COUNTY OF SANTA CLARA
General Construction Specifications

GENERAL CONDITIONS

1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY TREADWELL & ROLLO AND DATED DECEMBER 20, 2012 THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS. 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) STATE OF CALIFORNIA STANDARD SPECIFICATIONS. IN THE EVENT OF CONFLICT THE FORMER SHALL TAKE PRECEDENCE OVER THE LATTER. THE PERFORMANCE AND COMPLETION OF ALL WORK MUST BE TO THE SATISFACTION OF THE COUNTY.
2. DEVELOPER IS RESPONSIBLE FOR INSTALLATION OF THE IMPROVEMENTS SHOWN ON THESE PLANS AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THEIR CONTINUED MAINTENANCE.
3. DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR CONDITIONS OF DEVELOPMENT APPROVAL.
4. DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND CALIFORNIA DEPARTMENT OF TRANSPORTATION WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR.
5. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA.
6. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
7. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
8. ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO THE USE OF SPARK ARRESTERS.
9. UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (4008) 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. NO FURTHER DISTRIBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION B6-18).
10. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
11. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION STAKING

1. THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB.
2. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR.
3. PROPERTY LINE STAKING MUST BE PERFORMED BY THE PROJECT ENGINEER OR LAND SURVEYOR TO ESTABLISH OR RE-ESTABLISH THE PROJECT BOUNDARY AND SHALL BE INSPECTED BY THE COUNTY INSPECTOR PRIOR TO THE BEGINNING OF THE WORK.
4. PROPER CONSTRUCTION STAKES SHALL BE SET IN THE FIELD BY THE PROJECT ENGINEER OR LAND SURVEYOR AND VERIFIED BY THE COUNTY INSPECTOR PRIOR TO THE COMMENCEMENT OF GRADING.

CONSTRUCTION INSPECTION

1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
2. THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION.
3. INSPECTION BY SANTA CLARA COUNTY SHALL BE LIMITED TO INSPECTION OF MATERIALS AND PROCESSES OF CONSTRUCTION TO OBSERVE THEIR COMPLIANCE WITH PLANS & SPECIFICATIONS BUT DOES NOT INCLUDE RESPONSIBILITY FOR THE SUPERINTENDENT OF CONSTRUCTION, SITE CONDITIONS, EQUIPMENT OR PERSONNEL. CONTRACTOR SHALL NOTIFY THE COUNTY LAND DEVELOPMENT INSPECTOR AT PHONE (408) 299-6888 AT LEAST 24 HOURS PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
4. DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE MUST SUBMIT WRITTEN REQUEST FOR FINAL INSPECTION AND ACCEPTANCE. SAID REQUEST SHALL BE DIRECTED TO THE INSPECTION OFFICE NOTED ON THE PERMIT FORM.
5. THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR TO COMMENCEMENT OF THE BUILDING FOUNDATION.

SITE PREPARATION (CLEARING AND GRUBBING)

1. EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS:
   A) TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO PUBLIC USE)
   B) FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION.

UTILITY LOCATION, TRENCHING & BACKFILL

1. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.
2. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY. PLAN LOCATIONS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
3. ALL UNDERGROUND INSTALLATIONS SHALL BE IN PLACE AND THE TRENCH BACKFILLED AND COMPACTED BEFORE PLACING AGGREGATE BASE MATERIAL OR SURFACE STRUCTURES. SURFACING MAY BE DONE IF THE UTILITY COMPANY CONCERNED INDICATES BY LETTER THAT IT WILL BORE. UNLESS SPECIFICALLY AUTHORIZED BY THE COUNTY, GAS AND WATER MAINS SHALL BE INSTALLED OUTSIDE THE PAVED AREAS.
4. TRENCH BACKFILL IN EXISTING PAVEMENT AREAS SHALL BE SAND MATERIAL IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE SPECIFICATIONS. THE STRUCTURAL SECTION FOR TRENCH REPLACEMENT SHALL CONSIST OF NOT LESS THAN 12 INCHES OF APPROVED AGGREGATE BASE MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 95% AND 4 INCHES OF HOT ASPHALT CONCRETE PLACED IN TWO LIFTS. TRENCH RESTORATION FOR HIGHER TYPE PAVEMENTS SHALL BE MADE IN KIND OR AS DIRECTED BY THE COUNTY.
5. TRENCH BACKFILL IN NEW CONSTRUCTION AREAS SHALL BE SAND MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 90%. THE REQUIREMENT FOR SELECT MATERIAL MAY BE WAIVED BY COUNTY IF THE NATIVE SOIL IS SUITABLE FOR USE AS TRENCH BACKFILL BUT THE COMPACTION REQUIREMENTS WILL NOT BE THEREBY WAIVED.
6. BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.

RETAINING WALLS

1. REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR AND ENGINEER OF RECORD PRIOR TO POURING THE FOUNDATION AND FORMING THE WALL.
2. SEGMENTAL BLOCK RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR.

GRADING

1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IT SHALL BE STRIPPED OF ALL VEGETATION. TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE SCARIFIED TO DEPTH OF 6" BEFORE FILL IS PLACED. WHERE NATURAL GROUND IS STEEPER THAN 5:1, IT SHALL BE BENCHED AND THE FILL KEYED IN TO ACHIEVE STABILITY. WHERE NEW FILL IS TO BE PLACED ON EXISTING FILL THE EXISTING FILL SHALL BE REMOVED UNTIL MATERIAL COMPACTED TO 90% RELATIVE COMPACTION IS EXPOSED. THEN THE NEW FILL MATERIAL SHALL BE PLACED AS PER THESE CONSTRUCTION NOTES. FILL MATERIAL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 6" IN UNCOMPACTED THICKNESS. BEFORE COMPACTION BEGINS, THE FILL SHALL BE BROUGHT TO A WATER CONTENT THAT WILL PERMIT PROPER COMPACTION BY EITHER 1) AERATING THE FILL IF IT IS TOO WET OR 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY. EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION OF MOISTURE.
2. EXCESS CUT MATERIAL SHALL NOT BE SPREAD OR STOCKPILED ON THE SITE.
3. SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) THICK LAYER COMPACTED TO WITHSTAND WEATHERING IN THE AREA(S) DELINEATED ON THE PLAN.
4. NO ORGANIC MATERIAL SHALL BE PLACED IN ANY FILL. NO TREES SHALL BE REMOVED OUTSIDE OF CUT, FILL OR ROADWAY AREAS.
5. THE UPPER 6" OF SUBGRADE BELOW DRIVEWAY ACCESS ROAD OR PARKING AREA SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
6. MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL.

NOTE: SEE SHEET C-1.1 FOR ESTIMATED EARTHWORK QUANTITIES.

NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE.
EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE.

7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
9. THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%
10. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
11. THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER FOR BUILDING OCCUPANCY.
12. THE PROJECT GEOTECHNICAL ENGINEER SHALL PERFORM COMPACTION TESTING AND PRESENT THE RESULTS TO THE COUNTY ENGINEERING INSPECTOR PRIOR TO THE CONSTRUCTION OF ANY PAVED AREA.
13. GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING OFFICIAL.
14. TOTAL DISTURBED AREA FOR THE PROJECT: 475,000± SF.
15. WDID NO. 243C381886
16. THE INSPECTOR MAY VERIFY THAT A VALID NOTICE OF INTENT (NOI) HAS BEEN ISSUED BY THE STATE AND THAT A CURRENT AND UP TO DATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS AVAILABLE ON SITE.

TREE PROTECTION

1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED DEVELOPMENT ON SITE, THE TREES SHALL BE PROTECTED BY THE PLACEMENT OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES, AND INCLUDE THE FOLLOWING:
   A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE OF THE TREE OR GROVE OF TREES.
   B. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION.
   C. FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES.
   D. SIGNAGE STATING, "WARNING- THIS FENCING SHALL NOT BE REMOVED WITHOUT PERMISSION FROM THE SANTA CLARA COUNTY PLANNING OFFICE (408) 299-5770. COUNTY OF SANTA CLARA TREE PROTECTION MEASURES MAY BE FOUND AT http://www.sccplanning.gov." SHALL BE PLACED ON THE TREE PROTECTIVE FENCING UNTIL FINAL OCCUPANCY.
2. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACED AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.
3. SEE EXISTING TREE PROTECTION DETAILS FOR MORE INFORMATION.

ACCESS ROADS AND DRIVEWAYS

1. DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES PER FOOT).
2. ALL DRIVEWAY OR COMMON ACCESS ROAD SECTIONS IN EXCESS OF 15 LONGITUDINAL SLOPE MUST BE PAVED WITH A MINIMUM 2-INCH ASPHALT LIFT OR FULL DEPTH CONCRETE LIFT PRIOR TO ANY COMBUSTIBLE FRAMING.
3. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.
4. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THE PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO THE PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.
5. ALL WORK IN THE COUNTY ROAD RIGHT-OF-WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH INDIVIDUAL ACTIVITY REQUIRES A SEPARATE PERMIT – I.E. CABLE, ELECTRICAL, GAS, SEWER, WATER, RETAINING WALLS, DRIVEWAY APPROACHES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ETC..

STREET LIGHTING

1. PACIFIC GAS & ELECTRIC ELECTROLIER SERVICE FEE SHALL BE PAID BY THE DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE.

SANITARY SEWER

1. THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.
2. ALL MATERIALS AND METHODS OF CONSTRUCTION OF SANITARY SEWERS SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTION INVOLVED. INSPECTION OF SANITARY SEWER WORK SHALL BE DONE BY SAID JURISDICTION.

PORTLAND CEMENT CONCRETE

1. CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS. CONCRETE PLACED MUST DEVELOP A MINIMUM STRENGTH FACTOR OF 2800 PSI IN A SEVEN-DAY PERIOD. THE CONCRETE MIX DESIGN SHALL BE UNDER THE CONTINUAL CONTROL OF THE COUNTY INSPECTOR.

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
4. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
5. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
6. ALL CONSTRUCTION VEHICLES, EQUIPMENT AND DELIVERY TRUCKS SHALL HAVE A MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.
7. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
8. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.
9. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET A MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED.
   A. 15 MILES PER HOUR (MPH) SPEED LIMIT
   B. 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES
   C. TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST COMPLAINTS. NOTE PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAIN HOTLINE OF 1-800-334-6367.
10. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
11. ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED WITH BROME SEED SPREAD AT THE RATE OF 5 LB. PER 1000 SQUARE FEET (OR APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH.
12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SD8.
13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATERS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
15. PERMANENT LANDSCAPING SHOWN ON THE ATTACHED LANDSCAPE PLAN MUST BE INSTALLED AND FIELD APPROVED BY THE COUNTY PLANNING OFFICE PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER, AND FINAL OCCUPANCY RELEASE BY THE BUILDING INSPECTION OFFICE.
16. THE OWNER SHALL PREPARE AND PRESENT A MINTERIZATION REPORT TO THE INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR.
17. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPS) ON THE PROJECT SITE AND WITHIN THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY THROUGHOUT THE DURATION OF THE CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT, CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, AND WASTE INTO THE SANTA CLARA COUNTY RIGHT-OF-WAY, STORM SEWER WATERWAYS, ROADWAY INFRASTRUCTURE. BMPS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   A. PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN / STAGING AREAS.
   B. PREVENTION OF TRACKING OF MUD, DIRT, AND CONSTRUCTION MATERIALS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
   C. PREVENTION OF DISCHARGE OF WATER RUN-OFF DURING DRY AND WET WEATHER CONDITIONS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
18. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY.
19. EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A YEAR AROUND BASIS, DEPENDING ON THE SEASON, WEATHER, AND FIELD CONDITIONS. EROSION CONTROL MEASURES IN ADDITION TO THOSE NOTED IN THE PERMITTED PLANS MAY BE NECESSARY. FAILURE TO INSTALL SITE SITE AND SITUATIONALY APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

STORM DRAINAGE AND STORMWATER MANAGEMENT

1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES IN A MANNER WHICH WILL PRECLUDE ANY HAZARD TO LIFE, HEALTH, OR DAMAGE TO ADJOINING PROPERTY, CONSISTENT WITH NPDES PERMIT CAS612008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CAS000004/ ORDER NO. 2013-0001-DWQ.
2. DROP INLETS SHALL BE COUNTY STANDARD TYPE 5 UNLESS OTHERWISE NOTED ON THE PLANS. THE DEVELOPER'S ENGINEER SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF DROP INLETS. WHERE STREET PROFILE GRADE EXCEEDS 6% DROP INLETS SHALL BE SET AT 500 ANGLE CURB LINE TO ACCEPT WATER OR AS SHOWN ON THE PLANS.
3. WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SWALE OR TO AN OPEN AREA FOR SHEET FLOW.
4. UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES.
5. THE COUNTY SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS AND STORMWATER MANAGEMENT FEATURES PRIOR TO BACKFILL.

AS-BUILT PLANS STATEMENT

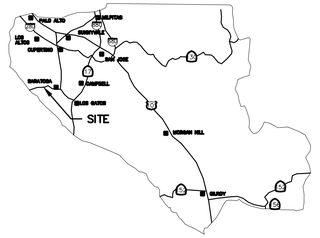
THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (____ WERE) (____ WERE NOT) MINOR FIELD CHANGES – MARKED WITH THE SYMBOL (^). THERE (____WERE) (____ WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL Δ.

_____ _____
DATE SIGNATURE

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPYOF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTERCONSTRUCTION.

GEOTECHNICAL ENGINEER OBSERVATION

1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.

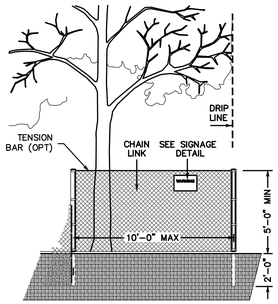


COUNTY LOCATION MAP

VICINITY MAP
NO SCALE

SURVEY MONUMENT PRESERVATION

1. THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY CONSTRUCTION ACTIVITIES.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, STAKE, AND FLAG OR OTHERWISE IDENTIFY WITH PAINT OR OTHER MARKINGS ALL PERMANENT SURVEY MONUMENTS OF RECORD AND ANY UNRECORDED MONUMENTS THAT ARE DISCOVERED THAT ARE WITHIN 50 FEET OF THE CONSTRUCTION ACTIVITY.
3. THE LANDOWNER, CONTRACTOR AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING MONUMENT, CORNER STAKE, OR ANY OTHER PERMANENT SURVEYED MONUMENT SHALL CAUSE TO HAVE A LICENSED LAND SURVEYOR OR CIVIL ENGINEER, AUTHORIZED TO PRACTICE SURVEYING, ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR'S OFFICE PRIOR TO DISTURBING SAID MONUMENTS AND RESET PERMANENT MONUMENT(S) IN THE SURFACE OF THE NEW CONSTRUCTION OR SET A WITNESS MONUMENT(S) TO PERPETUATE THE LOCATION IF ANY PERMANENT MONUMENT COULD BE DESTROYED, DAMAGED, COVERED, DISTURBED, OR OTHERWISE OBLITERATED. THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER SHALL FILE A CORNER RECORD OR RECORD OF SURVEY WITH COUNTY SURVEYOR PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.



EXISTING TREE PROTECTION DETAILS

1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION SHALL BE INCORPORATED INTO THE GRADING PLANS.
2. FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN-LINK OR EQUIVALENT STRENGTH/ DURABILITY).
3. FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART.
4. TREE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE DURING THE CONSTRUCTION PERIOD, INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION, REPAIRED AS NECESSARY TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES, AND REMAIN IN PLACE UNTIL THE FINAL INSPECTION.
5. A SIGN THAT INCLUDES THE WORDS, "WARNING: THIS FENCE SHALL NOT BE REMOVED WITHOUT THE EXPRESSED PERMISSION OF THE SANTA CLARA COUNTY PLANNING OFFICE," SHALL BE SECURELY ATTACHED TO THE FENCE IN A VISUALLY PROMINENT LOCATION.

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS
ISSUED BY: _____ DATE: _____
ENCROACHMENT PERMIT NO. _____

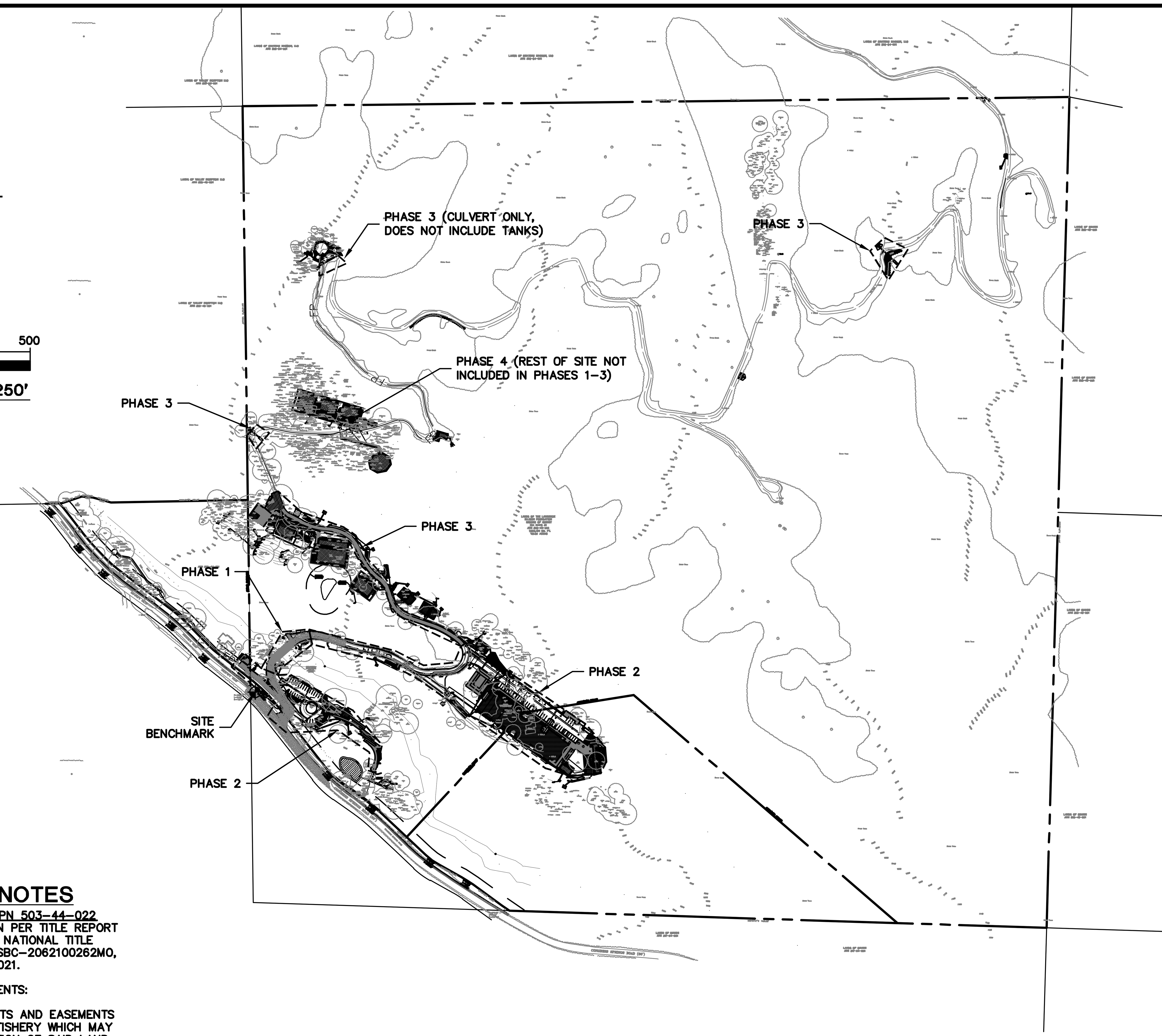
NO WORK SHALL BE DONE IN THE COUNTY'S RIGHT-OF-WAY WITHUOT AN EN

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BOUNDARY
		PROPERTY LINE
		RETAINING WALL
		LANDSCAPE RETAINING WALL
	RW RW	RAINWATER TIGHTLINE
	SUB	SUBDRAIN LINE
	TL	TIGHTLINE
SD	SD	STORM DRAIN LINE
SS	SS	SANITARY SEWER LINE
W	W	WATER LINE
G	G	GAS LINE
P	P	PRESSURE LINE
JT	JT	JOINT TRENCH
		SET BACK LINE
		CONCRETE VALLEY GUTTER
		EARTHEN SWALE
CB	CB	CATCH BASIN
JB	JB	JUNCTION BOX
	AD	AREA DRAIN
		CURB INLET
SDMH	SDMH	STORM DRAIN MANHOLE
		FIRE HYDRANT
SSMH	SSMH	SANITARY SEWER MANHOLE
		STREET SIGN
222.57 INV	222.57 INV	SPOT ELEVATION
		FLOW DIRECTION
	D	DEMOLISH/REMOVE
		BENCHMARK
	200	CONTOURS
	XX" TREE	TREE TO BE REMOVED

0 125 250 500

SCALE: 1" = 250'



PROJECT PHASING

FOR PERMITTING PURPOSES, THIS PROJECT IS BEING PROPOSED TO BE PHASED AS FOLLOWS:

PHASE 1: GRADING PERMIT FOR VEHICULAR ACCESS BRIDGE

- GRADING FOR ACCESS ROADWAY VEHICULAR BRIDGE FROM STA 3+00 TO STA 5+00

PHASE 2: GRADING PERMIT TO MEDICAL BUILDING

- GRADING FOR ACCESS ROADWAY AND ADJACENT STORMWATER PLANTERS FROM STA 1+00 TO STA 11+40
- PHASE 2 INCLUDES ALL WORK APPROVED UNDER PHASE 1

PHASE 3: GRADING PERMIT FOR ENTIRE ROADWAY

- GRADING FOR ACCESS ROADWAY AND ADJACENT STORMWATER PLANTERS FROM STA 11+40 TO STA 20+00
- TRENCHING FOR UTILITIES IN EXISTING ROAD TO REMAIN UNPAVED FROM STA 20+00 TO STA 70+00 (IN CONJUNCTION WITH UTILITY PERMIT FROM BUILDING DEPARTMENT)
- GRADING FOR CULVERTS LOCATED NEAR STA 22+25, STA 37+50, STA 68+50
- PHASE 3 INCLUDES ALL WORK APPROVED UNDER PHASE 2

PHASE 4: FULL GRADING PERMIT

- GRADING FOR ENTIRE SITE INCLUDING ALL PROPOSED HABITATS. PHASE 4 CAN BE ISSUED PENDING ASA REVIEW AND APPROVAL (VIA SEPARATE SUBMITTAL PACKAGE)
- PHASE 4 INCLUDES ALL WORK APPROVED UNDER PHASE 3

EASEMENT NOTES

APN 503-44-021 & APN 503-44-022
EASEMENTS ARE SHOWN PER TITLE REPORT PREPARED BY FIDELITY NATIONAL TITLE COMPANY, TITLE NO. FSBC-2062100262MO, DATED JANUARY 22, 2021.

NON-PLOTABLE EASEMENTS:

EXCEPTION #10 – RIGHTS AND EASEMENTS FOR NAVIGATION AND FISHERY WHICH MAY EXIST OVER THAT PORTION OF SAID LAND LYING BENEATH THE WATERS OF SARATOGA CREEK AND CAMPBELL CREEK.

EXCEPTION #11 – EASEMENT FOR RIGHT OF WAY (202 DEEDS 374) (REC. 10-121-1897) THE EXACT LOCATION OF SAID EASEMENT IS NOT OF RECORD.

EXCEPTION #12 – EASEMENT FOR ROADS (245 DEEDS 288) (REC. 10-10-1901) THE EXACT LOCATION OF SAID EASEMENT IS NOT OF RECORD.

EXCEPTION #13 – EASEMENT FOR RIGHT OF WAY (1372 O.R. 378) (REC. 8-29-1946) THE EXACT LOCATION OF SAID EASEMENT IS NOT OF RECORD.

EXCEPTION #14 – EASEMENTS FOR RIGHT OF WAY AND UTILITIES (4252 O.R. 573) (REC. 12-8-1958) THE EXACT LOCATION OF SAID EASEMENTS ARE NOT OF RECORD.

ABBREVIATIONS

AB	AGGREGATE BASE	LF	LINEAR FEET
AC	ASPHALT CONCRETE	MAX	MAXIMUM
ACC	ACCESSIBLE	MH	MANHOLE
AD	AREA DRAIN	MIN	MINIMUM
BC	BEGINNING OF CURVE	MON.	MONUMENT
B & D	BEARING & DISTANCE	(N)	NEW
BM	BENCHMARK	NO.	NUMBER
BW/FG	BOTTOM OF WALL/FINISH GRADE	NTS	NOT TO SCALE
		O.C.	ON CENTER
CB	CATCH BASIN	O/	OVER
C & G	CURB AND GUTTER	(PA)	PLANTING AREA
℄	CENTER LINE	PED	PEDESTRIAN
CPP	CORRUGATED PLASTIC PIPE (SMOOTH INTERIOR)	PIV	POST INDICATOR VALVE
		PSS	PUBLIC SERVICES EASEMENT
CO	CLEANOUT	PL	PROPERTY LINE
COTG	CLEANOUT TO GRADE	PP	POWER POLE
CONC	CONCRETE	PUE	PUBLIC UTILITY EASEMENT
CONST	CONSTRUCT or –TION	PVC	POLYVINYL CHLORIDE
CONC COR	CONCRETE CORNER	R	RADIUS
CY	CUBIC YARD	RCP	REINFORCED CONCRETE PIPE
D	DIAMETER	RIM	RIM ELEVATION
DI	DROP INLET	RW	RAINWATER
DIP	DUCTILE IRON PIPE	R/W	RIGHT OF WAY
EA	EACH	S	SLOPE
EC	END OF CURVE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
EG	EXISTING GRADE	SAN	SANITARY
EL	ELEVATIONS	SD	STORM DRAIN
EP	EDGE OF PAVEMENT	SDMH	STORM DRAIN MANHOLE
EQ	EQUIPMENT	SHT	SHEET
EW	EACH WAY	S.L.D.	SEE LANDSCAPE DRAWINGS
(E)	EXISTING	SPEC	SPECIFICATION
FC	FACE OF CURB	SS	SANITARY SEWER
FF	FINISHED FLOOR	SSCO	SANITARY SEWER CLEANOUT
FG	FINISHED GRADE	SSMH	SANITARY SEWER MANHOLE
FH	FIRE HYDRANT	ST.	STREET
FL	FLOW LINE	STA	STATION
FS	FINISHED SURFACE	STD	STANDARD
G	GAS	STRUCT	STRUCTURAL
GA	GAGE OR GAUGE	T	TELEPHONE
GB	GRADE BREAK	TC	TOP OF CURB
HDPE	HIGH DENSITY CORRUGATED POLYETHYLENE PIPE	TEMP	TEMPORARY
		TP	TOP OF PAVEMENT
HORIZ	HORIZONTAL	TW/FG	TOP OF WALL/FINISH GRADE
HI PT	HIGH POINT	TYP	TYPICAL
H&T	HUB & TACK	VC	VERTICAL CURVE
ID	INSIDE DIAMETER	VCP	VITRIFIED CLAY PIPE
INV	INVERT ELEVATION	VERT	VERTICAL
JB	JUNCTION BOX	W/	WITH
JT	JOINT TRENCH	W, WL	WATER LINE
JP	JOINT UTILITY POLE	WM	WATER METER
L	LENGTH	WWF	WELDED WIRE FABRIC
LNDG	LANDING		

1-800-227-2600 CALL BEFORE YOU DIG USA UNDERGROUND SERVICE ALERT

SITE BENCHMARK

SURVEY CONTROL POINT
FOUND MAG NAIL
ELEVATION = 1267.70' (NAVD 88)

BASIS OF BEARINGS

THE BEARING N00°38'45"E OF THE EASTERLY LINE OF LOT 1 AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED IN BOOK 764 OF MAPS AT PAGE 51, SANTA CLARA COUNTY RECORDS WAS USED AS THE BASIS OF ALL BEARINGS SHOWN UPON THIS MAP.

BENCHMARK

CITY OF SARATOGA BENCHMARK
BENCH MARK K 388
FROM THE JUNCTION OF STATE HIGHWAY 85 (SARATOGA-SUNNYVALE ROAD), 3.3 MILES WEST ALONG HIGHWAY 9 (BIG BASIN WAY), APPROXIMATELY 260 FEET WEST OF THE Y JUNCTION OF A PRIVATE ROAD LEADING SOUTHEAST, 6 FEET EAST OF MILE POST 4.03 ON SOUTH SIDE OF ROAD IN CURB DRAINAGE INLET.
ELEVATION = 1192.40' (NAVD 88)

COORDINATE SYSTEM NOTE

COORDINATES SHOWN ARE BASED ON CALIFORNIA STATE PLANE COORDINATE SYSTEM ZONE III (US FOOT) AS ESTABLISHED USING NATIONAL GEODETIC SURVEY (NGS) ONLINE POSITIONING USER SERVICE (OPUS).

ROTATION TO BASIS OF BEARINGS: –00°55'44"

COMBINED SCALE FACTOR: 0.99991352

ESTIMATED EARTHWORKS QUANTITIES

		CUT	FILL	HEIGHT CUT	HEIGHT FILL
INTAKE AND TRASH AREA	BUILDING & SITE	1160	690	6	6
	STA 01+25 TO STA 3+50 & ACCESS DRIVEWAYS	400	400	6	2
BRIDGE	STA 3+50 TO STA 4+50	BY SEPARATE PERMIT			
ROADWAY	STA 04+50 TO STA 10+50	480	380	10	2
	STA 10+50 TO STA 20+00	620	150	7	2
MEDICAL BUILDING AREA	BUILDINGS	3045	1410	8	20
	SITE	3880	11585	4	20
JAY, RACCOON, AND DOVE & PIGEON ENCLOSURES	BUILDINGS	95	65	3	3
	SITE	305	115	3	2
LOWER RAPTOR	BUILDING	35	430	8	11
	SITE	190	365	10	13
UPPER RAPTOR	BUILDING	385	370	4	8
	SITE	190	240	4	10
MAINTENANCE AREA AND OPOSSUM, CROWS & RAVENS, FOX, AND SKUNK ENCLOSURES	BUILDINGS	110	65	2	2
	SITE	700	230	6	4
TURKEY ENCLOSURE	BUILDING & SITE	20	–	1	–
DEER ENCLOSURE	BUILDING & SITE	–	50	–	2
BOBCAT ENCLOSURES	BUILDINGS	515	905	12	9
	SITE	535	1370	14	13
WATER TANKS AND DRAINAGE	BUILDINGS & SITE	290	130	14	7
SITE UTILITIES		3090	–		
TOTALS		16045	18950		
		EXPORT	–2905		

NOTE: GRADING QUANTITIES REPRESENT BANK YARDAGE. IT DOES NOT INCLUDE ANY SWELLING OR SHRINKAGE FACTORS AND IS INTENDED TO REPRESENT IN-SITU CONDITIONS. QUANTITIES DO NOT INCLUDE OVER-EXCAVATION, TRENCHING, STRUCTURAL FOUNDATIONS OR PIERS, OR POOL EXCAVATION (IF ANY). NOTE ADDITIONAL EARTHWORKS, SUCH AS KEYWAYS OR BENCHING MAY BE REQUIRED BY THE GEOTECHNICAL ENGINEER IN THE FIELD AT TIME OF CONSTRUCTION. CONTRACTOR TO VERIFY QUANTITIES

REFERENCES

THIS IMPROVEMENT PLAN IS SUPPLEMENTAL TO:

1. TOPOGRAPHIC SURVEY BY LEA & BRAZE ENGINEERING INC., ENTITLED; "TOPOGRAPHIC SURVEY" 24103 CONGRESS SPRINGS ROAD SARATOGA, CA DATE UPDATED: 09-27-12 JOB#: 2120439
2. ARCHITECTURAL PLANS BY KORTH SUNSERI HAGEY ARCHITECTS ENTITLED: "CONSERVATION CENTER FOR WILDLIFE CARE" 24103 CONGRESS SPRINGS ROAD SARATOGA, CA
3. LANDSCAPE PLANS BY REED GILLILAND LANDSCAPE ARCHITECTS ENTITLED: "CONSERVATION CENTER FOR WILDLIFE CARE" 24103 CONGRESS SPRINGS ROAD SARATOGA, CA
4. STRUCTURAL PLANS BY SIMPSON GUMPERTZ & HEGER ENTITLED: "CONSERVATION CENTER FOR WILDLIFE CARE" 24103 CONGRESS SPRINGS ROAD SARATOGA, CA
5. SOIL REPORT BY TREADWELL & ROLLO, ENTITLED: "GEOTECHNICAL INVESTIGATION" CONSERVATION CENTER FOR WILDLIFE CARE 24103 CONGRESS SPRINGS ROAD SARATOGA, CA JOB#: 770607801
6. SEPTIC PLANS BY LEA & BRAZE ENGINEERING, ENTITLED: "CONSERVATION CENTER FOR WILDLIFE" 24103 CONGRESS SPRINGS ROAD SARATOGA, CA

THE CONTRACTOR SHALL REFER TO THE ABOVE NOTED SURVEY AND PLAN, AND SHALL VERIFY BOTH EXISTING AND PROPOSED ITEMS ACCORDING TO THEM.

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
OVERALL SITE PLAN & GENERAL NOTES

SCALE
1" = 250'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-1.1

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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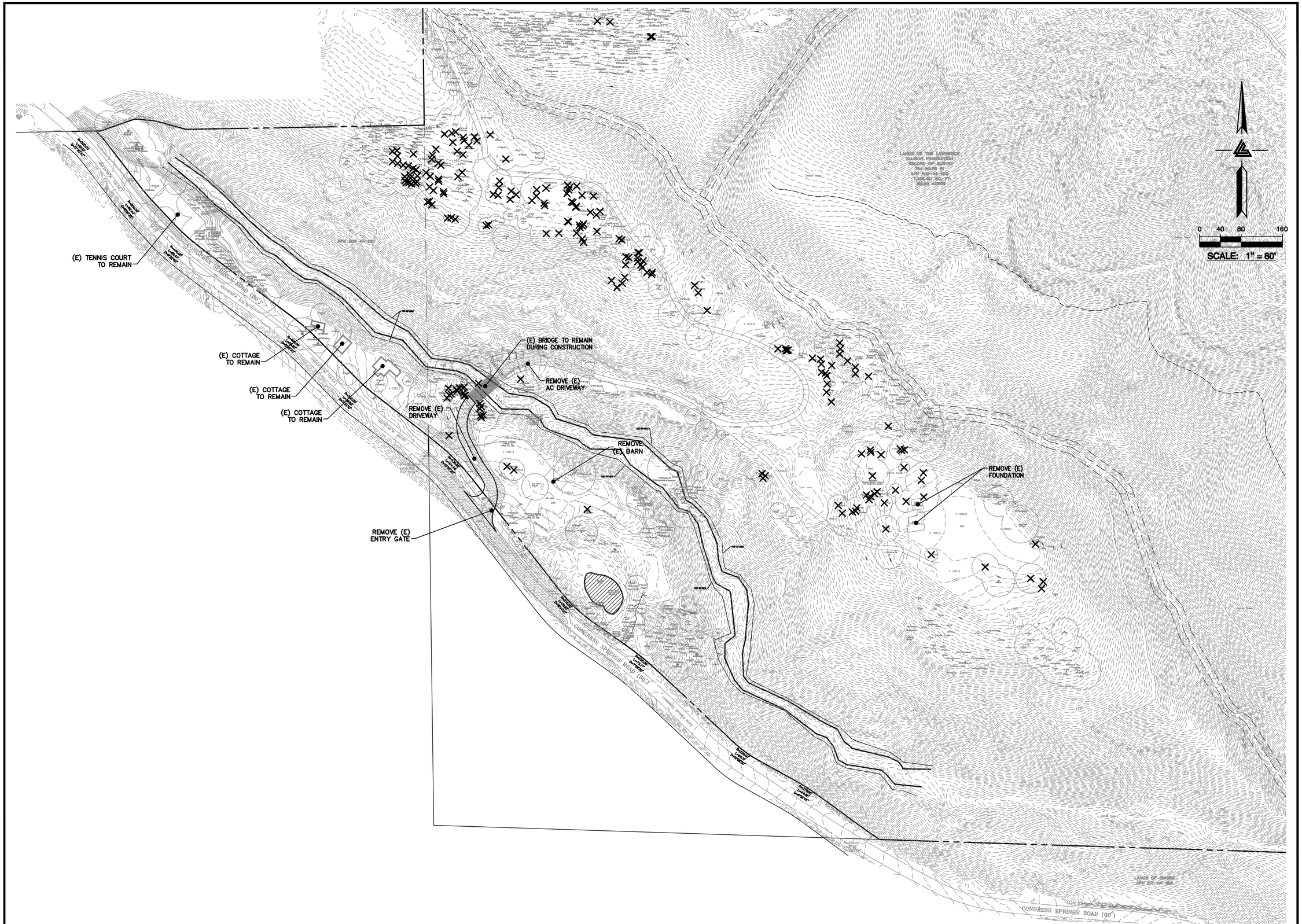

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CIVIL
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LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
DEMOLITION PLAN

SCALE
1" = 80'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.0

ASA/USE PERMIT
MODIFICATION #3
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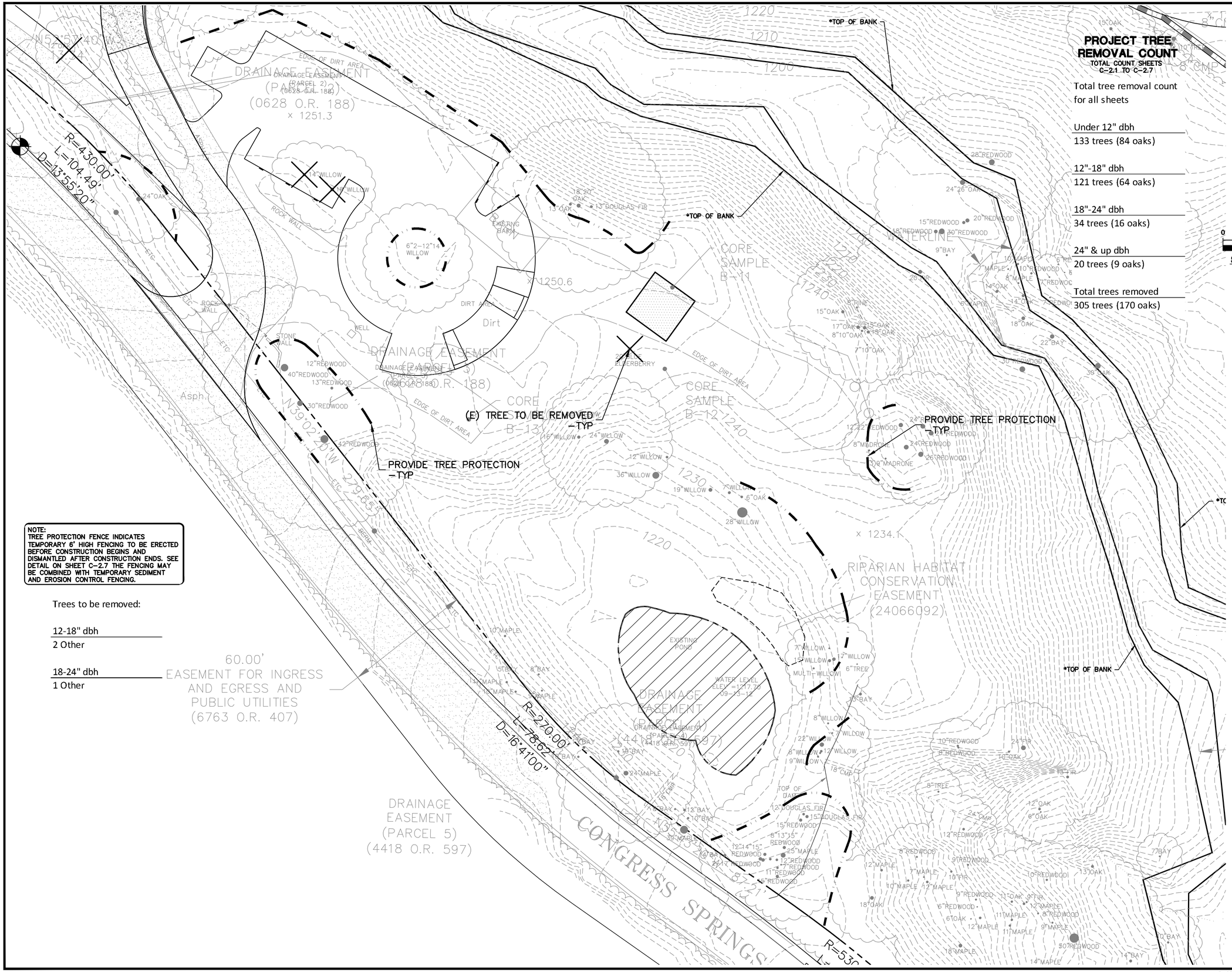

NOTE:
TREE PROTECTION FENCE INDICATES TEMPORARY 6' HIGH FENCING TO BE ERECTED BEFORE CONSTRUCTION BEGINS AND DISMANTLED AFTER CONSTRUCTION ENDS. SEE DETAIL ON SHEET C-2.7 THE FENCING MAY BE COMBINED WITH TEMPORARY SEDIMENT AND EROSION CONTROL FENCING.

Trees to be removed:

12-18" dbh
2 Other

18-24" dbh
1 Other

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-2.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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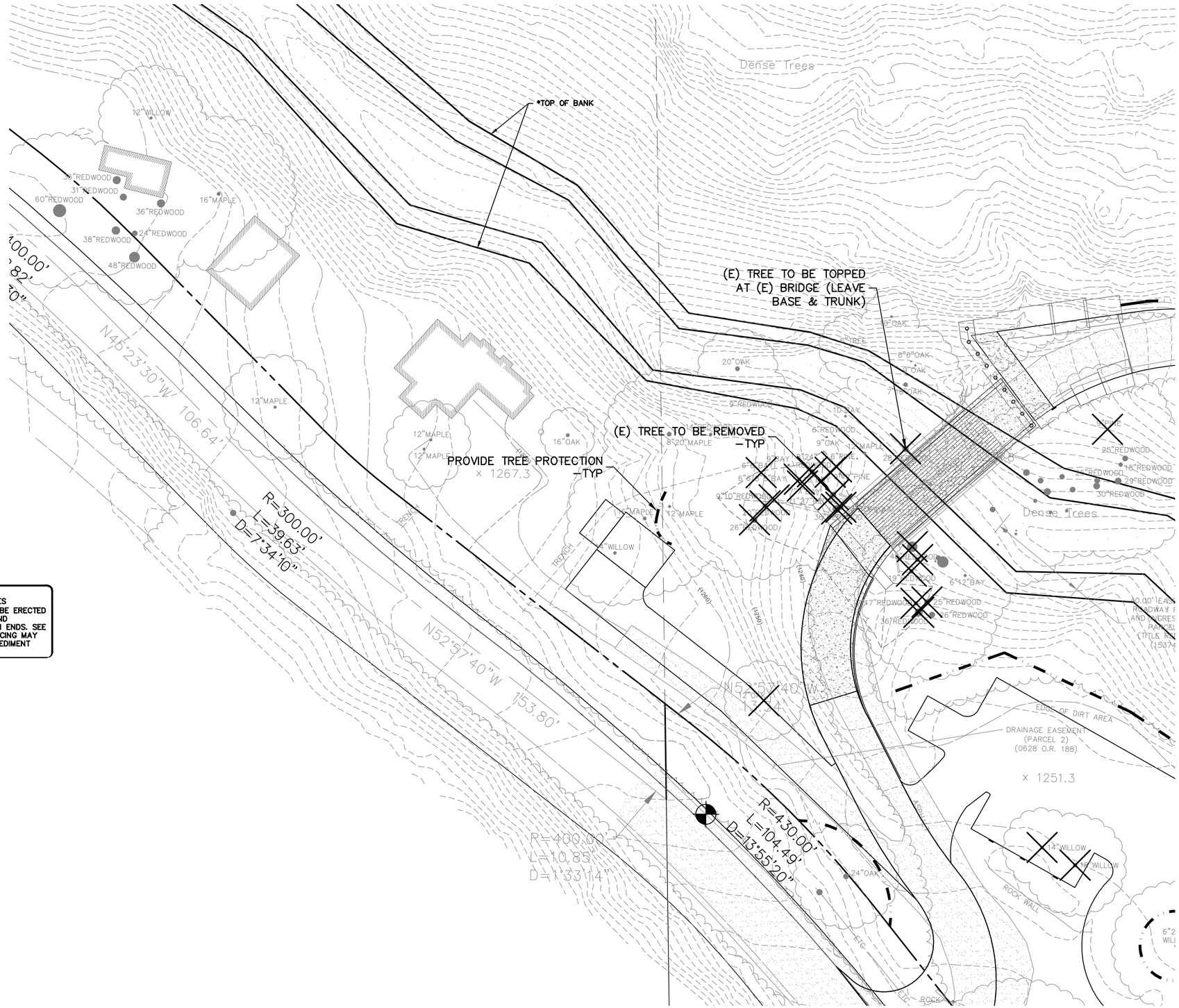

0 10 20 40

SCALE: 1" = 20'

NOTE:
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Trees to be removed:

Under 12" dbh
4 Other
0 Oak

12-18" dbh
6 Other
1 Oak

18-24" dbh
4 Other
0 Oak

24" and up dbh
8 Other
0 Oak

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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.2

ASA/USE PERMIT MODIFICATION #3
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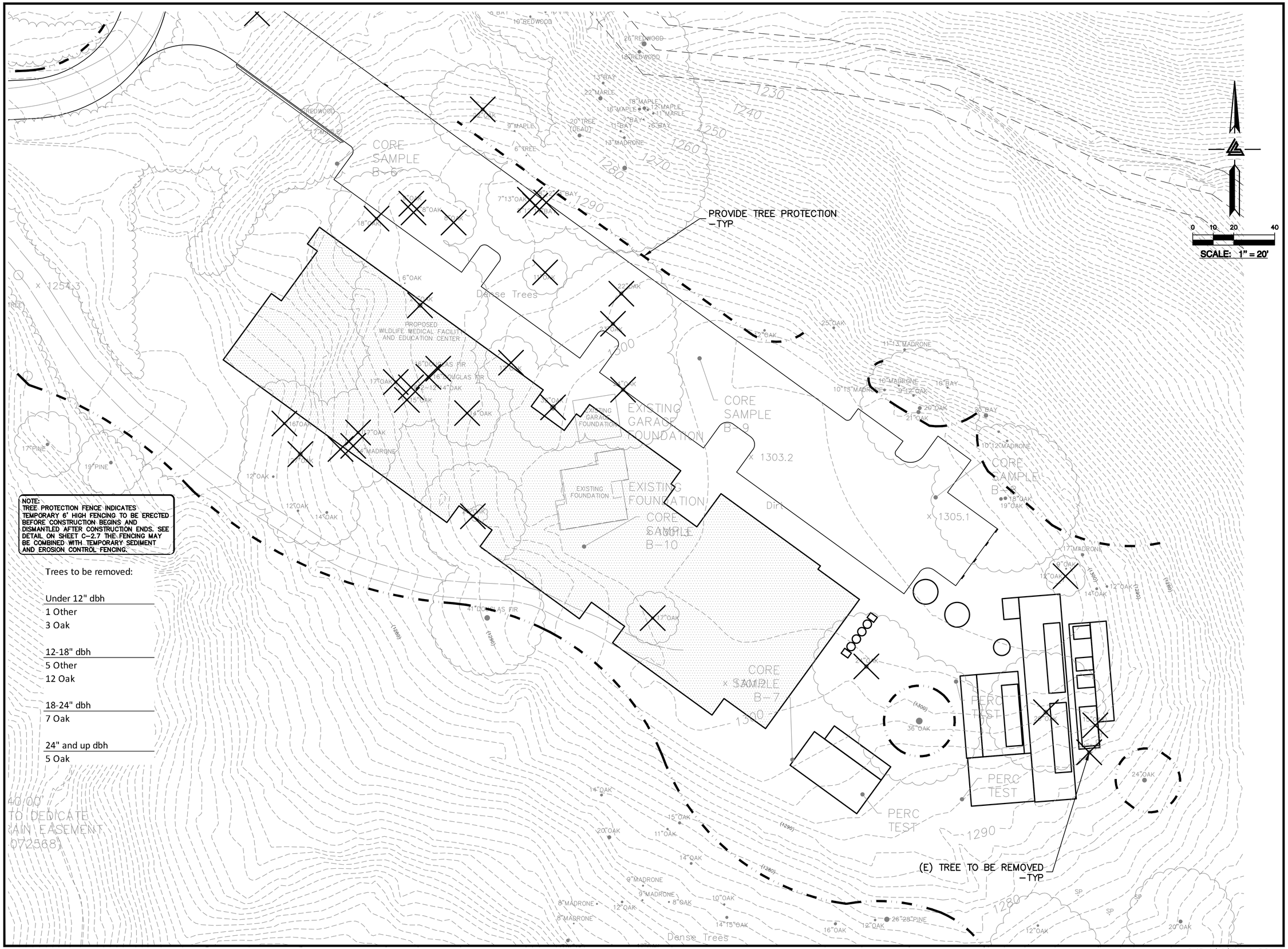

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Under 12" dbh
1 Other
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7 Oak

24" and up dbh
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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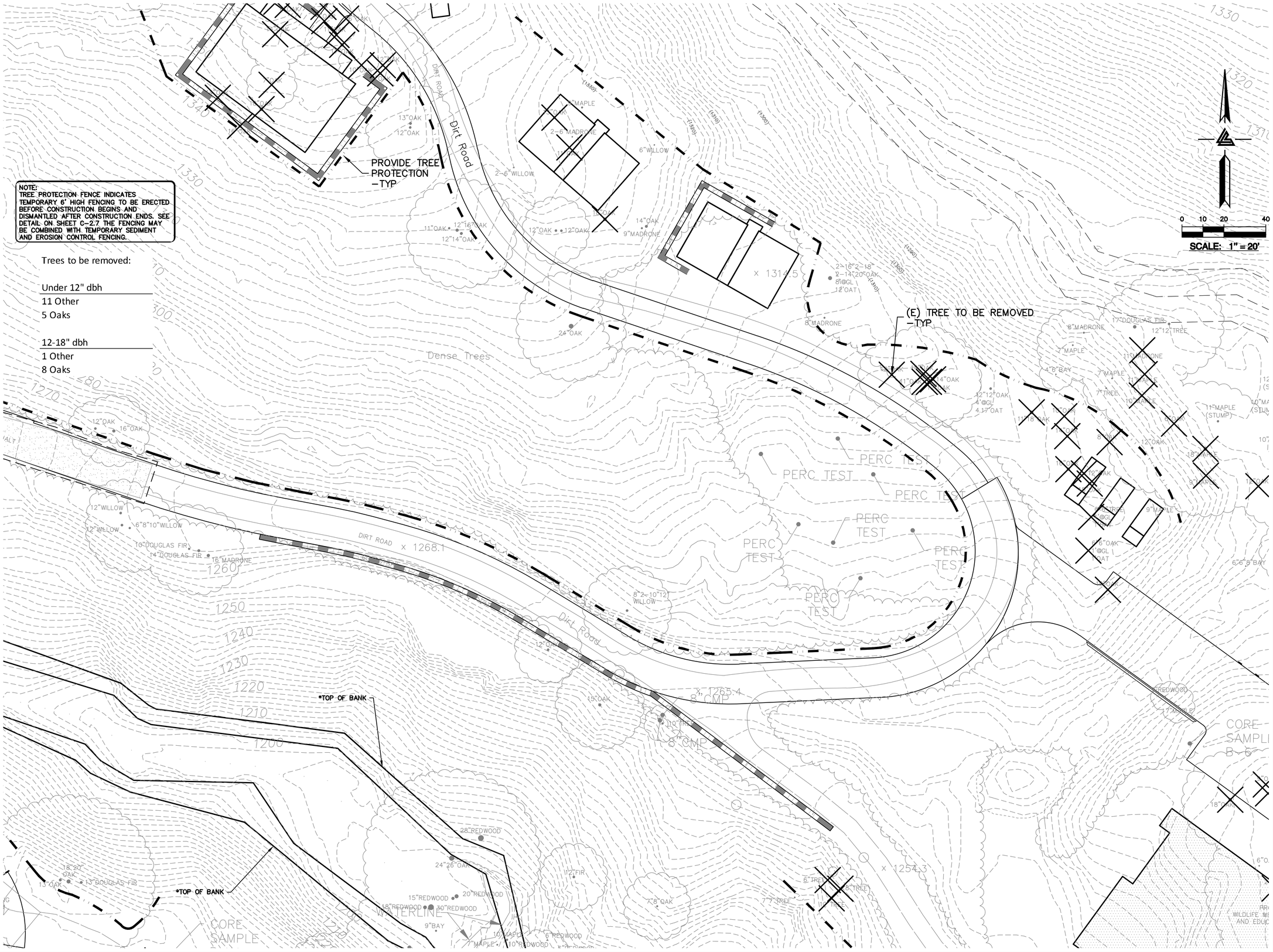

NOTE:
TREE PROTECTION FENCE INDICATES TEMPORARY 6' HIGH FENCING TO BE ERECTED BEFORE CONSTRUCTION BEGINS AND DISMANTLED AFTER CONSTRUCTION ENDS. SEE DETAIL ON SHEET C-2.7 THE FENCING MAY BE COMBINED WITH TEMPORARY SEDIMENT AND EROSION CONTROL FENCING.

Trees to be removed:

Under 12" dbh
11 Other
5 Oaks

12-18" dbh
1 Other
8 Oaks

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.4

ASA/USE PERMIT MODIFICATION #3
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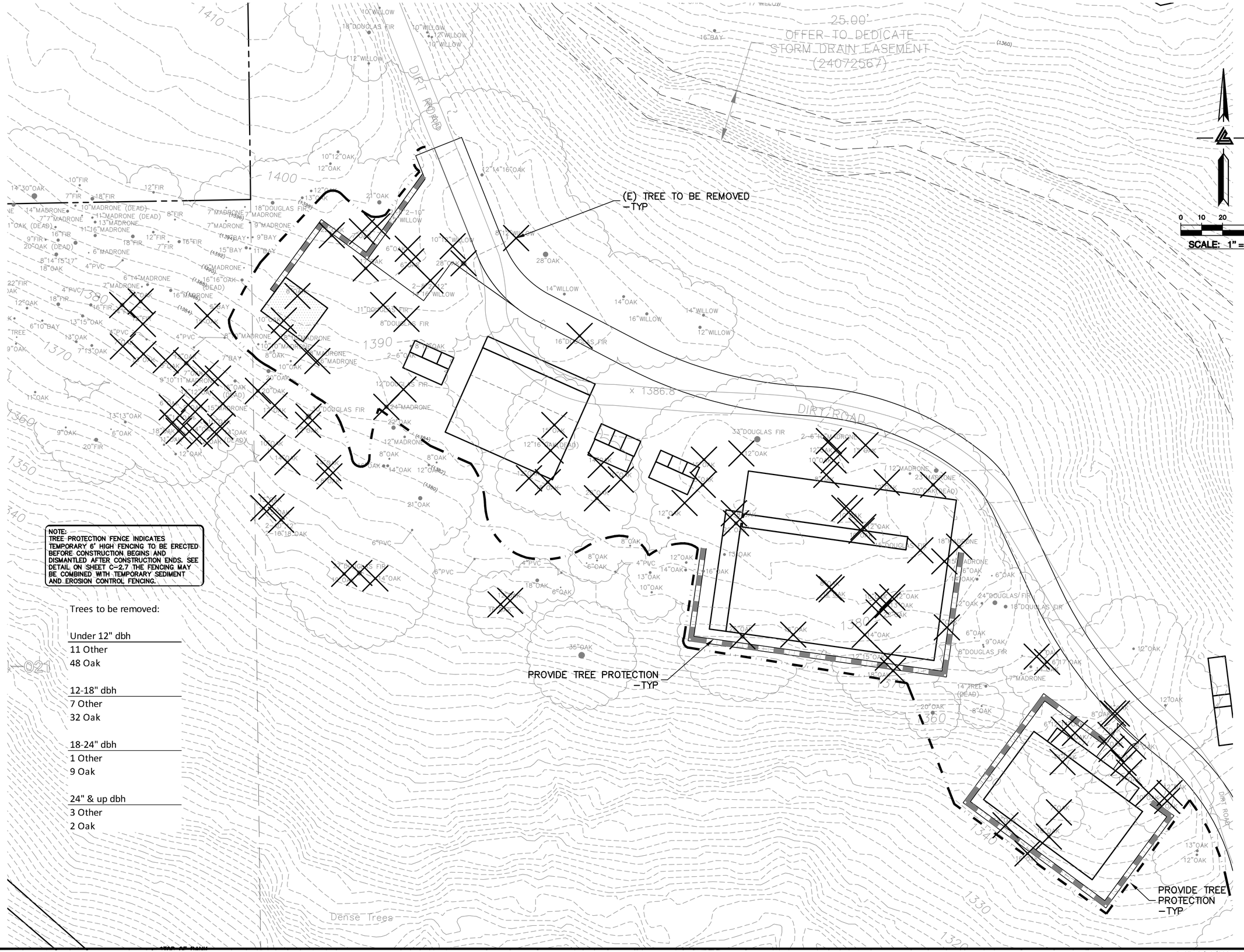

NOTE:
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Trees to be removed:

Under 12" dbh
11 Other
48 Oak

12-18" dbh
7 Other
32 Oak

18-24" dbh
1 Other
9 Oak

24" & up dbh
3 Other
2 Oak

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.5

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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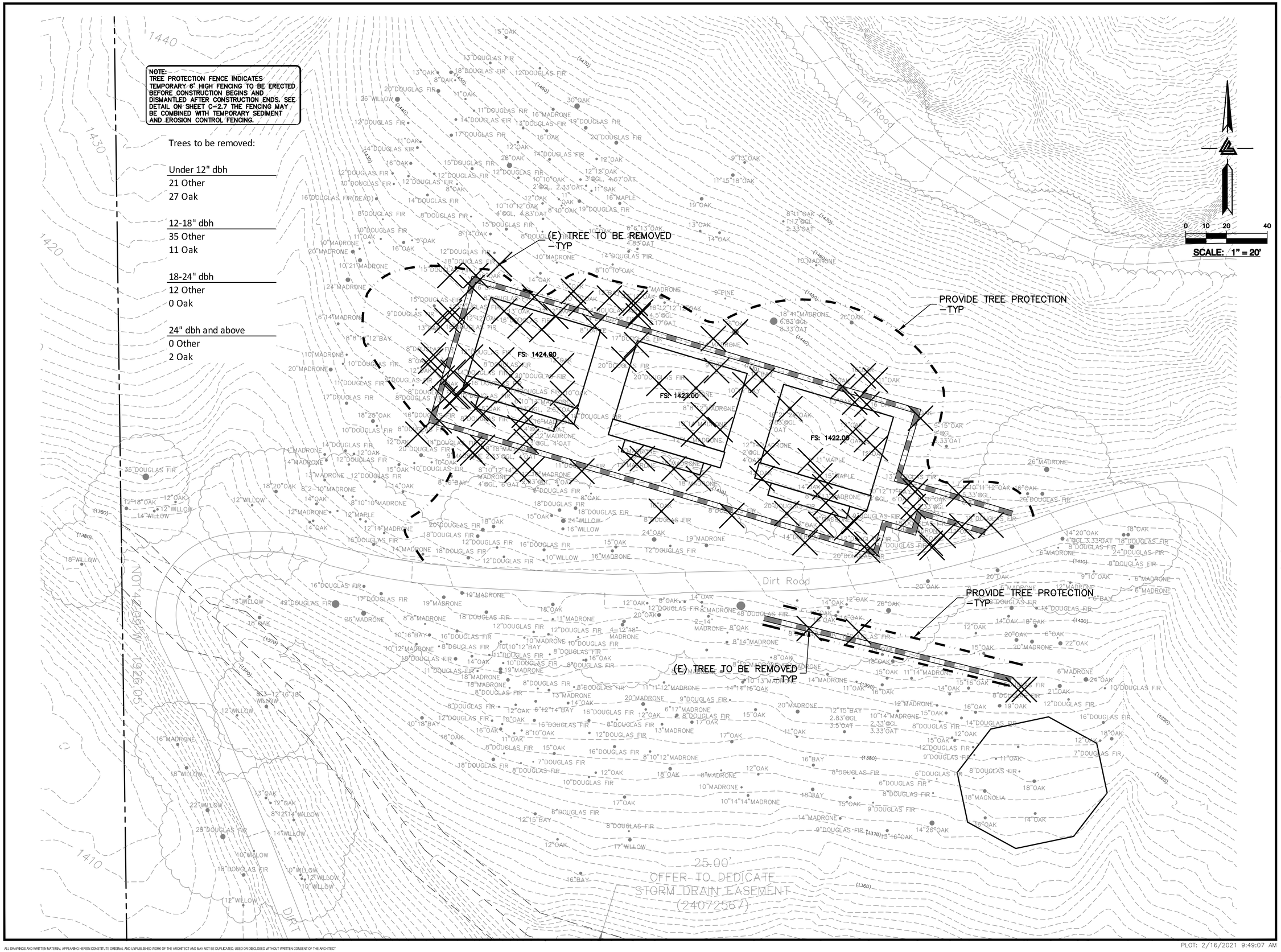

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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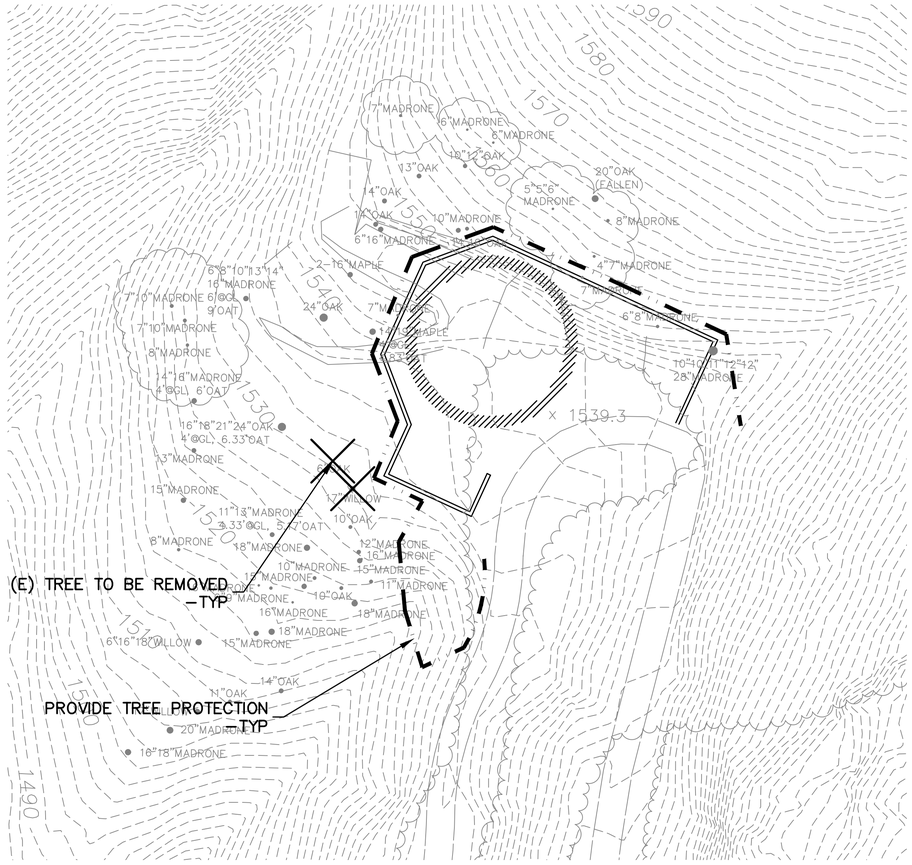

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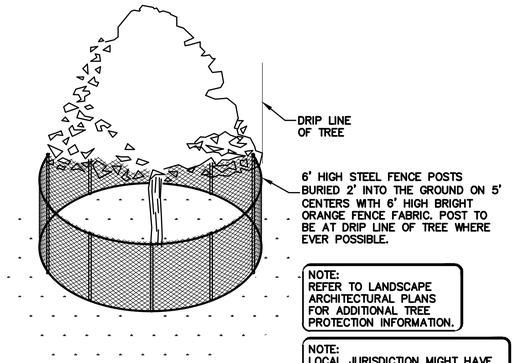
Trees to be removed:

Under 12" dbh
1 Oak

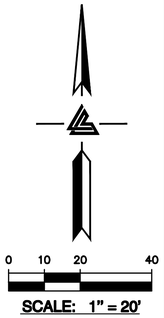
12-18" dbh
1 Other

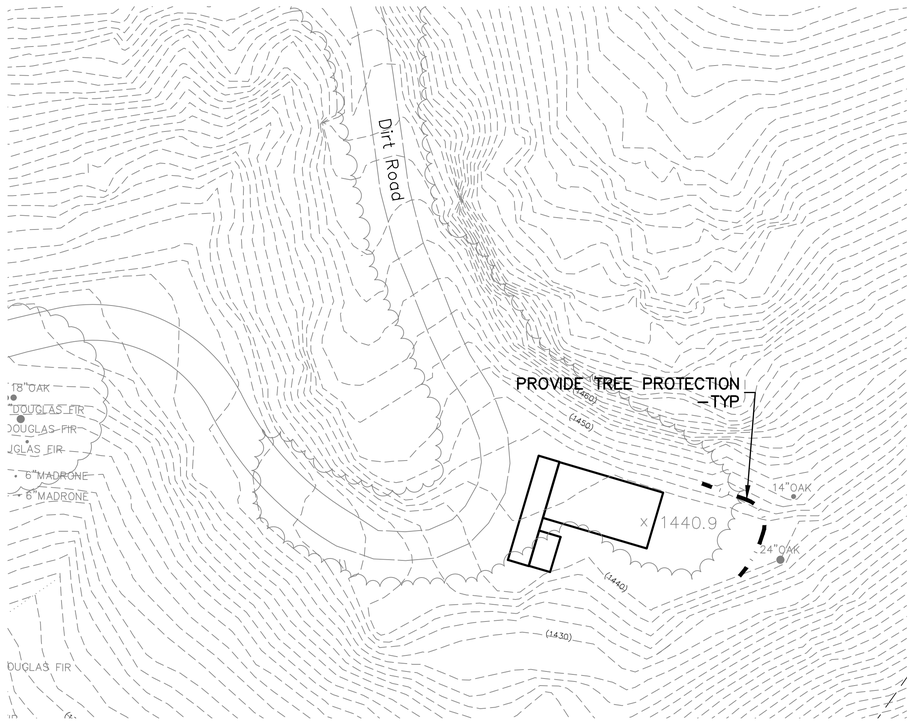


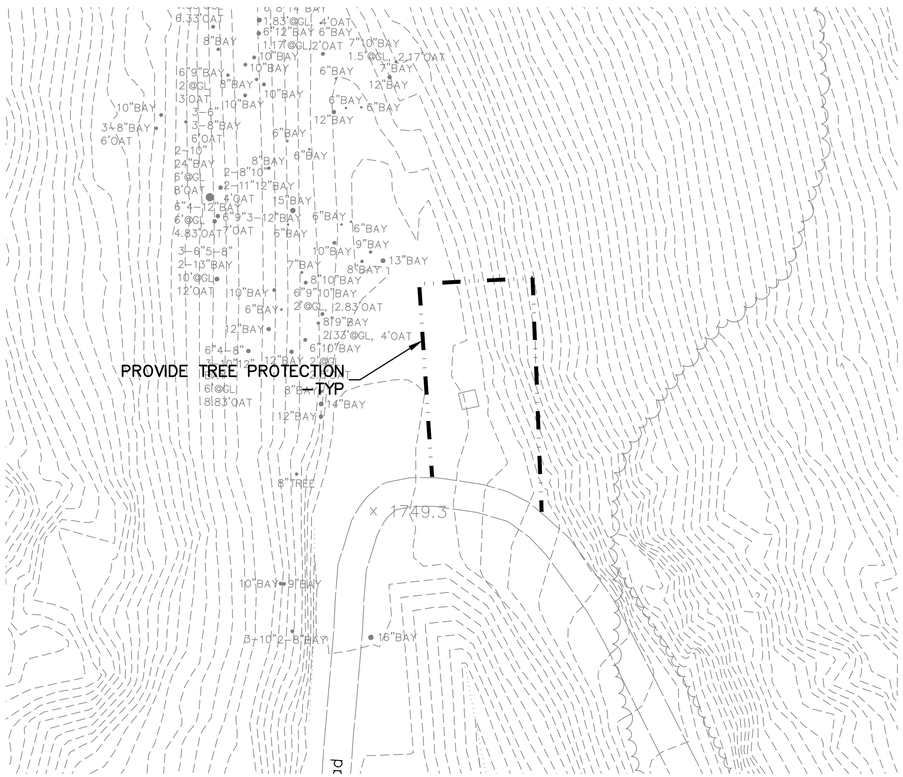
NOTE:
REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR ADDITIONAL TREE PROTECTION INFORMATION.

NOTE:
LOCAL JURISDICTION MIGHT HAVE MORE STRINGENT REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING W/ INSPECTOR TO ENSURE PROPER PROCEDURES ARE BEING FOLLOWED.

1 / C-2.7 **EXISTING TREE PROTECTION DETAIL**
NTS







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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
TREE PROTECTION PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-2.7

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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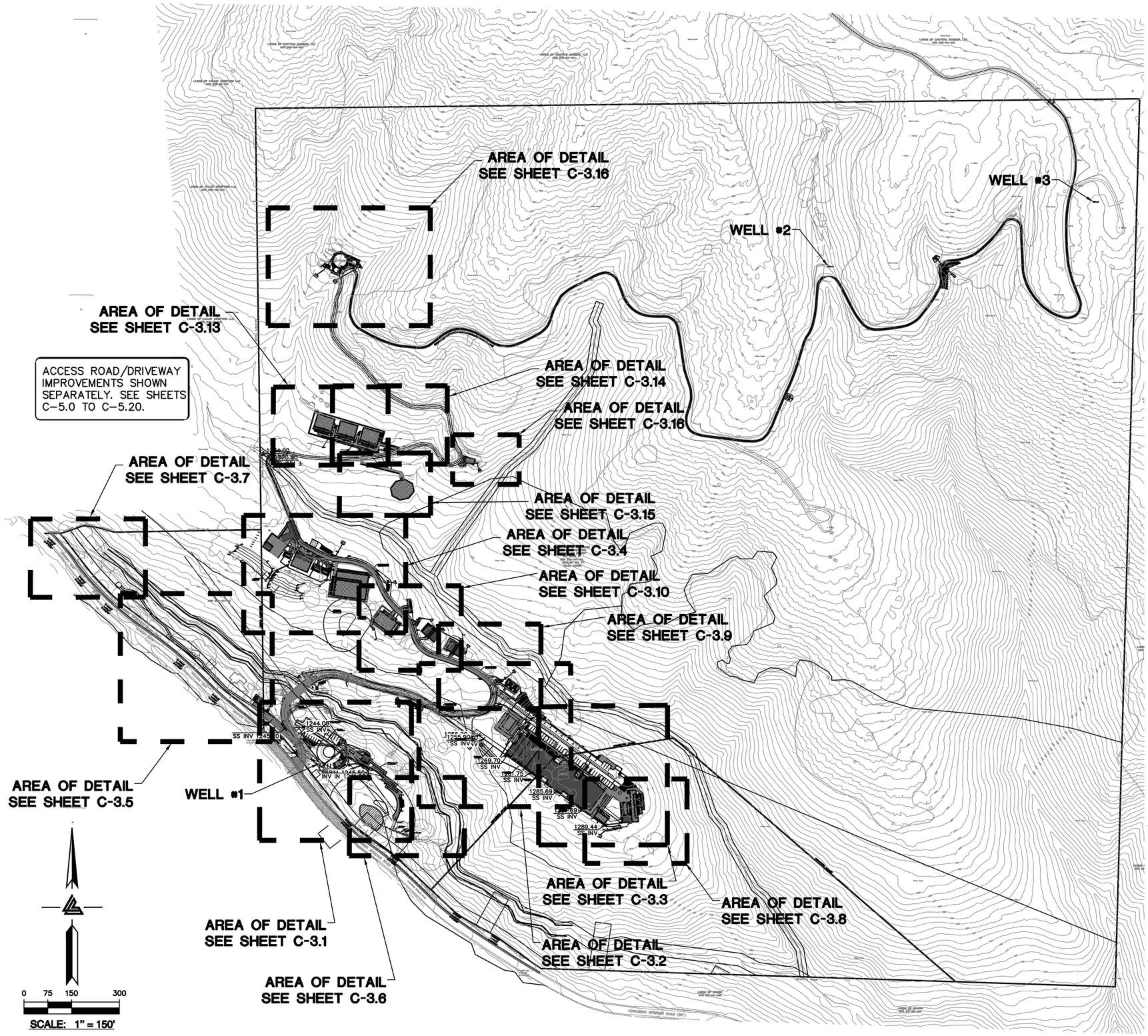

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
2. PROVIDE 2% (1% MIN.) SLOPE ACROSS FLAT WORK AND/OR PAVING PER CBC 1804.4. SLOPE TOWARDS POSITIVE DRAINAGE AS SHOWN ON PLAN.
3. INSTALL (N) CONCRETE RETAINING WALL. RETAINING WALLS TO BE CONSTRUCTED UNDER SEPARATE BUILDING PERMIT, DESIGNED BY OTHERS-TYP.
4. DURING CONSTRUCTION, IF THE (E) RETAINING WALLS ARE DETERMINED TO BE REPLACED, CIVIL ENGINEER, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER SHOULD BE CONSULTED AS TO WHETHER SUBDRAINAGE WILL BE REQUIRED OR NOT.
5. NOT USED.
6. (N) AC ACCESS ROAD/DRIVEWAY. SEE DETAIL 2A ON SHEET C-7.0.
7. (N) GRAVEL PAVING. SEE DETAIL 2B ON SHEET C-7.0.
8. (N) HARDSCAPE, PATIOS, AND WALKWAYS. SEE DETAIL 3A ON SHEET C-7.0.
9. INSTALL (N) TREE PROTECTION MEASURES AS REQUIRED. SEE DETAIL 4 ON SHEET C-7.0.
10. (N) DECOMPOSED GRANITE WALKWAY. SEE DETAIL 3B ON SHEET C-7.0.
11. (N) DEEPENED CURB. SEE DETAIL 6 ON SHEET C-7.0.

STORM DRAIN

SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

32. (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
41. (N) LEACH FIELD. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL FIELD LAYOUT AND LOCATION.
42. (N) HOLDING TANK WITH LIFT PUMP. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
43. (N) PRESSURE LINE FOR SEPTIC TANK EFFLUENT. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL PIPE SIZING REQUIREMENTS.
44. INSTALL (N) SANITARY SEWER LATERAL. USE 6" PVC (SDR-26) SLOPED AT 1% MINIMUM. CONNECT TO (N) LATERAL AND CLEANOUT AS SHOWN. PROVIDE CLEANOUT TO GRADE AT BUILDING AND AT MAJOR CHANGES IN DIRECTION AS SHOWN. CONNECT TO THE (N) SEPTIC TANKS AS SHOWN. AND INSTALL PER DISTRICT STANDARDS.
45. (N) DEDICATED NEUTRALIZING TANK. REFER TO MECHANICAL PLANS FOR SIZING CRITERIA AND MODEL SELECTION.
46. (N) SITE WELL. RUN SUPPLY LINE FROM THE WELL TO THE ON-SITE WATER STORAGE TANKS (DOMESTIC / FIRE PROTECTION).
47. (N) ON-SITE WATER TANKS DEDICATED FOR FIRE PROTECTION. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
48. (N) ON-SITE WATER TANKS DEDICATED FOR DOMESTIC SERVICE. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
49. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" (C900 OR SIMILAR). REFER TO MECHANICAL PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
50. (N) ON-SITE FIRE HYDRANT. -TYP
51. (N) DOMESTIC & RAW WATER SERVICE. REFER TO CIVIL WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
52. (N) PAD MOUNTED TRANSFORMER. FINAL LOCATION TO BE COORDINATED WITH PG&E. REFER TO MECHANICAL PLANS FOR DETAILS

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

NOTES:

1.) THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS LESS THAN 5 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. ALL TREES TO REMAIN AS PART OF THIS PERMIT.

2.) NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.

3.) SUBMIT A CERTIFICATION FROM THE SOILS ENGINEER CERTIFYING THAT THE WORK WAS COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SOILS REPORT PRIOR TO RELEASE OF BOND.

4.) OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR INSTALLATION OF STANDARD ACCESS ROAD/DRIVEWAY APPROACHES.

5.) GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.

AIR QUALITY NOTE:

1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.

2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEN AND APPLY WATER THREE TIMES A DAY OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.

4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLLINO — NO. C79333 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
OVERALL GRADING & DRAINAGE PLAN

SCALE
1" = 150'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-3.0

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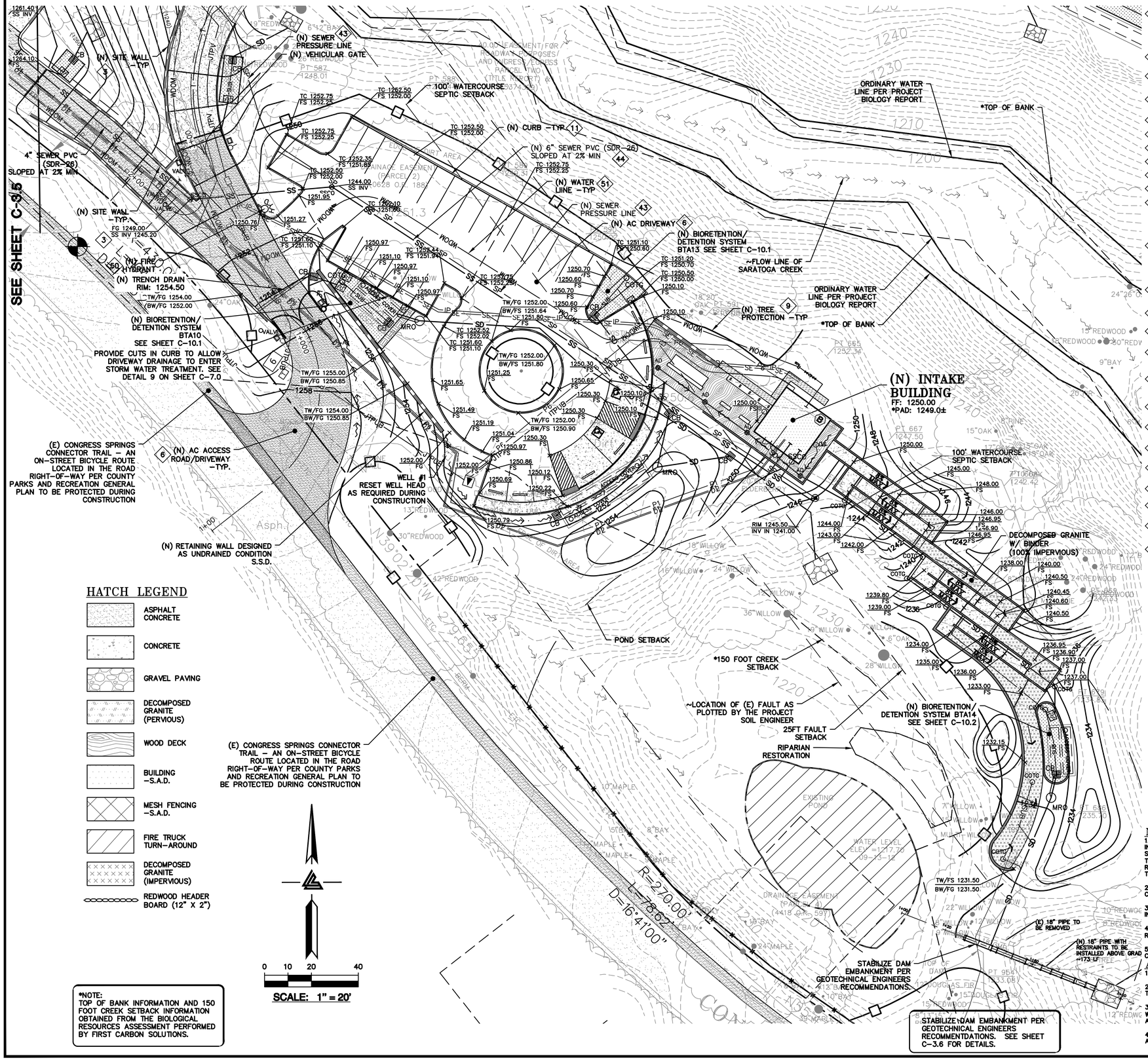

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

*NOTE:
TOP OF BANK INFORMATION AND 150 FOOT CREEK SETBACK INFORMATION OBTAINED FROM THE BIOLOGICAL RESOURCES ASSESSMENT PERFORMED BY FIRST CARBON SOLUTIONS.

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
2. PROVIDE 2% (1% MIN.) SLOPE ACROSS FLAT WORK AND/OR PAVING PER CBC 1804.4. SLOPE TOWARDS POSITIVE DRAINAGE AS SHOWN ON PLAN.
3. INSTALL (N) CONCRETE RETAINING WALL. RETAINING WALLS TO BE CONSTRUCTED UNDER SEPARATE BUILDING PERMIT, DESIGNED BY OTHERS-TYP.
4. DURING CONSTRUCTION, IF THE (E) RETAINING WALLS ARE DETERMINED TO BE REPLACED, CIVIL ENGINEER, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER SHOULD BE CONSULTED AS TO WHETHER SUBDRAINAGE WILL BE REQUIRED OR NOT.
5. NOT USED.
6. (N) AC ACCESS ROAD/DRIVEWAY. SEE DETAIL 2A ON SHEET C-7.0.
7. (N) GRAVEL PAVING. SEE DETAIL 2B ON SHEET C-7.0.
8. (N) HARDSCAPE, PATIOS, AND WALKWAYS. SEE DETAIL 3A ON SHEET C-7.0.
9. INSTALL (N) TREE PROTECTION MEASURES AS REQUIRED. SEE DETAIL 4 ON SHEET C-7.0.
10. (N) DECOMPOSED GRANITE WALKWAY. SEE DETAIL 3B ON SHEET C-7.0.
11. (N) DEEPENED CURB. SEE DETAIL 6 ON SHEET C-7.0.

STORM DRAIN

SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

32. (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
41. (N) LEACH FIELD. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL FIELD LAYOUT AND LOCATION.
42. (N) HOLDING TANK WITH LIFT PUMP. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
43. (N) PRESSURE LINE FOR SEPTIC TANK EFFLUENT. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL PIPE SIZING REQUIREMENTS.
44. INSTALL (N) SANITARY SEWER LATERAL. USE 6" PVC (SDR-26) SLOPED AT 1% MINIMUM. CONNECT TO (N) LATERAL AND CLEANOUT AS SHOWN. PROVIDE CLEANOUT TO GRADE AT BUILDING AND AT MAJOR CHANGES IN DIRECTION AS SHOWN. CONNECT TO THE (N) SEPTIC TANKS AS SHOWN. AND INSTALL PER DISTRICT STANDARDS.
45. (N) DEDICATED NEUTRALIZING TANK. REFER TO MECHANICAL PLANS FOR SIZING CRITERIA AND MODEL SELECTION.
46. (N) SITE WELL. RUN SUPPLY LINE FROM THE WELL TO THE ON-SITE WATER STORAGE TANKS (DOMESTIC / FIRE PROTECTION).
47. (N) ON-SITE WATER TANKS DEDICATED FOR FIRE PROTECTION. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
48. (N) ON-SITE WATER TANKS DEDICATED FOR DOMESTIC SERVICE. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
49. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" (C900 OR SIMILAR). REFER TO MECHANICAL PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
50. (N) ON-SITE FIRE HYDRANT. -TYP
51. (N) DOMESTIC & RAW WATER SERVICE. REFER TO CIVIL WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
52. (N) PAD MOUNTED TRANSFORMER. FINAL LOCATION TO BE COORDINATED WITH PG&E. REFER TO MECHANICAL PLANS FOR DETAILS

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

NOTES:

1.) THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS LESS THAN 5 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. ALL TREES TO REMAIN AS PART OF THIS PERMIT.

2.) NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.

3.) SUBMIT A CERTIFICATION FROM THE SOILS ENGINEER CERTIFYING THAT THE WORK WAS COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SOILS REPORT PRIOR TO RELEASE OF BOND.

4.) OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR INSTALLATION OF STANDARD ACCESS ROAD/DRIVEWAY APPROACHES.

5.) GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.

AIR QUALITY NOTE:

1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.

2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEN AND APPLY WATER THREE TIMES A DAY OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.

4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLTON
No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
INTAKE BUILDING GRADING & DRAINAGE PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-3.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE ARCHITECT

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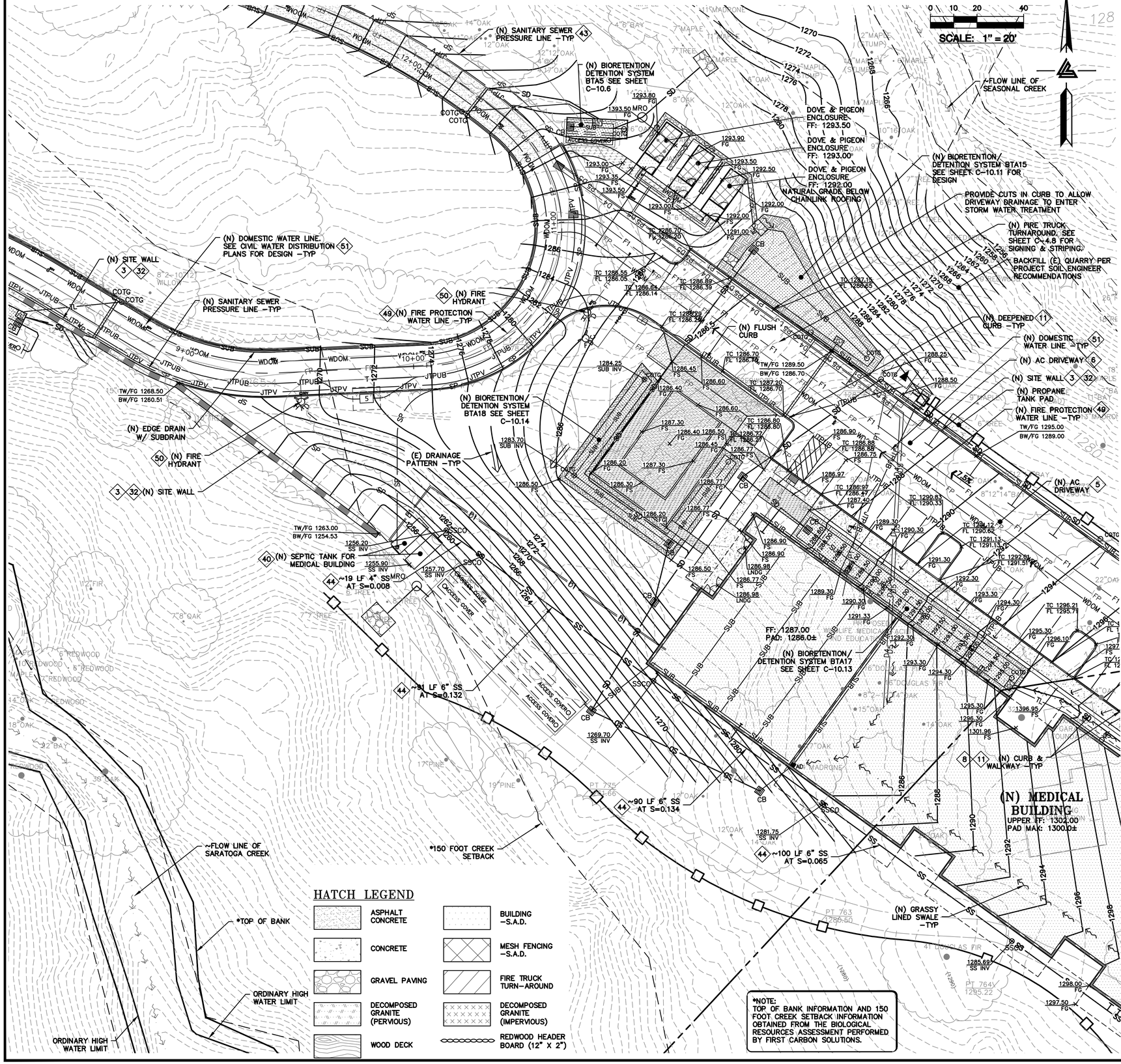

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING –S.A.D.
- MESH FENCING –S.A.D.
- FIRE TRUCK TURN–AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

*NOTE:
TOP OF BANK INFORMATION AND 150 FOOT CREEK SETBACK INFORMATION OBTAINED FROM THE BIOLOGICAL RESOURCES ASSESSMENT PERFORMED BY FIRST CARBON SOLUTIONS.

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
2. PROVIDE 2% (1% MIN.) SLOPE ACROSS FLAT WORK AND/OR PAVING PER CBC 1804.4. SLOPE TOWARDS POSITIVE DRAINAGE AS SHOWN ON PLAN.
3. INSTALL (N) CONCRETE RETAINING WALL. RETAINING WALLS TO BE CONSTRUCTED UNDER SEPARATE BUILDING PERMIT, DESIGNED BY OTHERS–TYP.
4. DURING CONSTRUCTION, IF THE (E) RETAINING WALLS ARE DETERMINED TO BE REPLACED, CIVIL ENGINEER, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER SHOULD BE CONSULTED AS TO WHETHER SUBDRAINAGE WILL BE REQUIRED OR NOT.
5. NOT USED.
6. (N) AC ACCESS ROAD/DRIVEWAY. SEE DETAIL 2A ON SHEET C–7.0.
7. (N) GRAVEL PAVING. SEE DETAIL 2B ON SHEET C–7.0.
8. (N) HARDSCAPE, PATIOS, AND WALKWAYS. SEE DETAIL 3A ON SHEET C–7.0.
9. INSTALL (N) TREE PROTECTION MEASURES AS REQUIRED. SEE DETAIL 4 ON SHEET C–7.0.
10. (N) DECOMPOSED GRANITE WALKWAY. SEE DETAIL 3B ON SHEET C–7.0.
11. (N) DEEPENED CURB. SEE DETAIL 6 ON SHEET C–7.0.

STORM DRAIN

SEE SHEETS C–10.0 TO C–10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

32. (N) 4" PVC (SDR–35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C–7.2.

UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
41. (N) LEACH FIELD. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL FIELD LAYOUT AND LOCATION.
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45. (N) DEDICATED NEUTRALIZING TANK. REFER TO MECHANICAL PLANS FOR SIZING CRITERIA AND MODEL SELECTION.
46. (N) SITE WELL. RUN SUPPLY LINE FROM THE WELL TO THE ON–SITE WATER STORAGE TANKS (DOMESTIC / FIRE PROTECTION).
47. (N) ON–SITE WATER TANKS DEDICATED FOR FIRE PROTECTION. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
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49. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" (C900 OR SIMILAR). REFER TO MECHANICAL PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
50. (N) ON–SITE FIRE HYDRANT. –TYP
51. (N) DOMESTIC & RAW WATER SERVICE. REFER TO CIVIL WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
52. (N) PAD MOUNTED TRANSFORMER. FINAL LOCATION TO BE COORDINATED WITH PG&E. REFER TO MECHANICAL PLANS FOR DETAILS

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NOTES:

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4.) OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR INSTALLATION OF STANDARD ACCESS ROAD/DRIVEWAY APPROACHES.

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AIR QUALITY NOTE:

1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.

2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEN AND APPLY WATER THREE TIMES A DAY OR APPLY (NON–TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.

4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLINO — NO. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
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09-20-19	CONSTRUCTION SET 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
MEDICAL BUILDING (WEST) GRADING & DRAINAGE PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-3.2

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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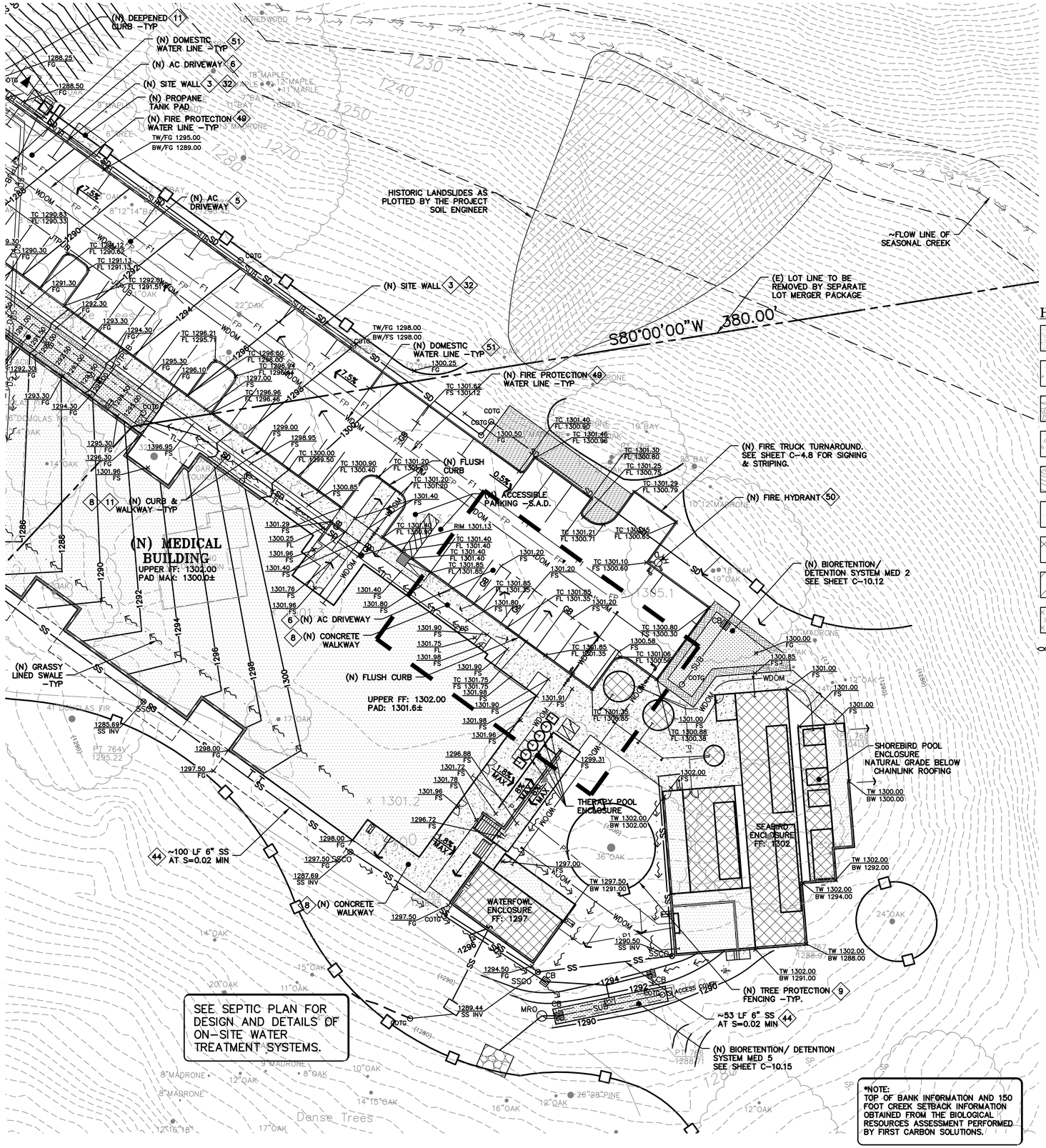

0 10 20 40

SCALE: 1" = 20'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
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STORM DRAIN

SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

32. (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLINO — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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SACRAMENTO REGION
3017 DOUGLAS BLVD, # 300
ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
MEDICAL BUILDING (EAST) GRADING & DRAINAGE PLAN

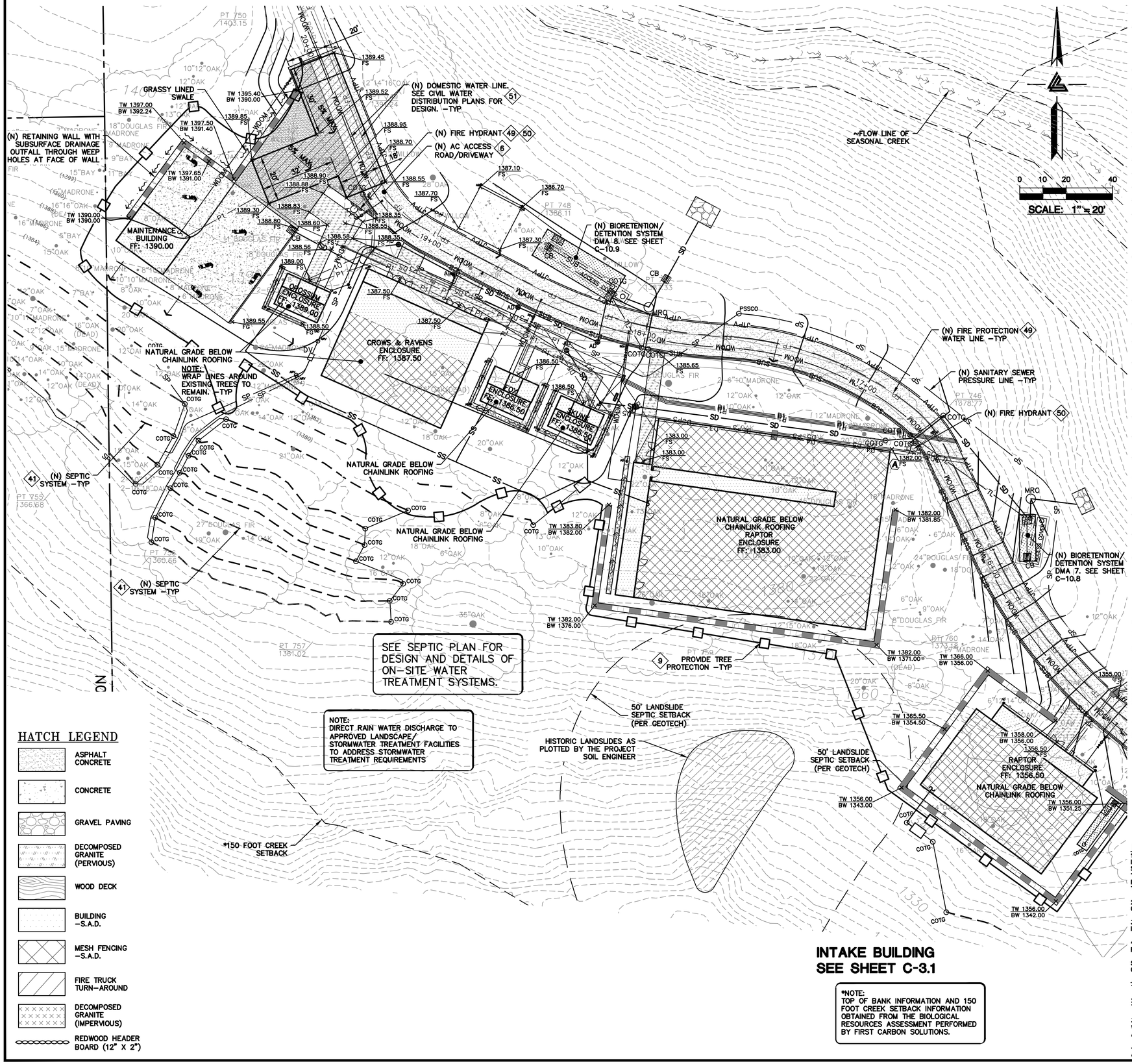
SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-3.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE ARCHITECT

PLOT: 2/16/2021 9:55:27 AM



HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
2. PROVIDE 2% (1% MIN.) SLOPE ACROSS FLAT WORK AND/OR PAVING PER CBC 1804.4. SLOPE TOWARDS POSITIVE DRAINAGE AS SHOWN ON PLAN.
3. INSTALL (N) CONCRETE RETAINING WALL. RETAINING WALLS TO BE CONSTRUCTED UNDER SEPARATE BUILDING PERMIT, DESIGNED BY OTHERS-TYP.
4. DURING CONSTRUCTION, IF THE (E) RETAINING WALLS ARE DETERMINED TO BE REPLACED, CIVIL ENGINEER, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER SHOULD BE CONSULTED AS TO WHETHER SUBDRAINAGE WILL BE REQUIRED OR NOT.
5. NOT USED.
6. (N) AC ACCESS ROAD/DRIVEWAY. SEE DETAIL 2A ON SHEET C-7.0.
7. (N) GRAVEL PAVING. SEE DETAIL 2B ON SHEET C-7.0.
8. (N) HARDSCAPE, PATIOS, AND WALKWAYS. SEE DETAIL 3A ON SHEET C-7.0.
9. INSTALL (N) TREE PROTECTION MEASURES AS REQUIRED. SEE DETAIL 4 ON SHEET C-7.0.
10. (N) DECOMPOSED GRANITE WALKWAY. SEE DETAIL 3B ON SHEET C-7.0.
11. (N) DEEPENED CURB. SEE DETAIL 6 ON SHEET C-7.0.

STORM DRAIN

SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

32. (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
41. (N) LEACH FIELD. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL FIELD LAYOUT AND LOCATION.
42. (N) HOLDING TANK WITH LIFT PUMP. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
43. (N) PRESSURE LINE FOR SEPTIC TANK EFFLUENT. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL PIPE SIZING REQUIREMENTS.
44. INSTALL (N) SANITARY SEWER LATERAL. USE 6" PVC (SDR-26) SLOPED AT 1% MINIMUM. CONNECT TO (N) LATERAL AND CLEANOUT AS SHOWN. PROVIDE CLEANOUT TO GRADE AT BUILDING AND AT MAJOR CHANGES IN DIRECTION AS SHOWN. CONNECT TO THE (N) SEPTIC TANKS AS SHOWN. AND INSTALL PER DISTRICT STANDARDS.
45. (N) DEDICATED NEUTRALIZING TANK. REFER TO MECHANICAL PLANS FOR SIZING CRITERIA AND MODEL SELECTION.
46. (N) SITE WELL. RUN SUPPLY LINE FROM THE WELL TO THE ON-SITE WATER STORAGE TANKS (DOMESTIC / FIRE PROTECTION).
47. (N) ON-SITE WATER TANKS DEDICATED FOR FIRE PROTECTION. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
48. (N) ON-SITE WATER TANKS DEDICATED FOR DOMESTIC SERVICE. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
49. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" (C900 OR SIMILAR). REFER TO MECHANICAL PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
50. (N) ON-SITE FIRE HYDRANT. -TYP
51. (N) DOMESTIC & RAW WATER SERVICE. REFER TO CIVIL WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
52. (N) PAD MOUNTED TRANSFORMER. FINAL LOCATION TO BE COORDINATED WITH PG&E. REFER TO MECHANICAL PLANS FOR DETAILS

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

NOTES:

1.) THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS LESS THAN 5 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. ALL TREES TO REMAIN AS PART OF THIS PERMIT.

2.) NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.

3.) SUBMIT A CERTIFICATION FROM THE SOILS ENGINEER CERTIFYING THAT THE WORK WAS COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SOILS REPORT PRIOR TO RELEASE OF BOND.

4.) OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR INSTALLATION OF STANDARD ACCESS ROAD/DRIVEWAY APPROACHES.

5.) GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.

AIR QUALITY NOTE:

1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.

2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEN AND APPLY WATER THREE TIMES A DAY OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.

4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — NO. C79535 — CIVIL — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION
2495 INDUSTRIAL PKWY WEST
SUITE 200, HAYWARD, CA 94545
(P) (510) 887-4086
(F) (510) 887-3019
SACRAMENTO REGION
3017 DOUGLAS BLVD, # 300
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(P) (916)966-1338
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ISSUES AND REVISIONS

DATE	DESCRIPTION
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12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
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04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
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09-20-19	CONSTRUCTION SET 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER 16011.00

SHEET TITLE
ACCESS ROADWAY GRADING & DRAINAGE PLAN

SCALE 1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-3.4

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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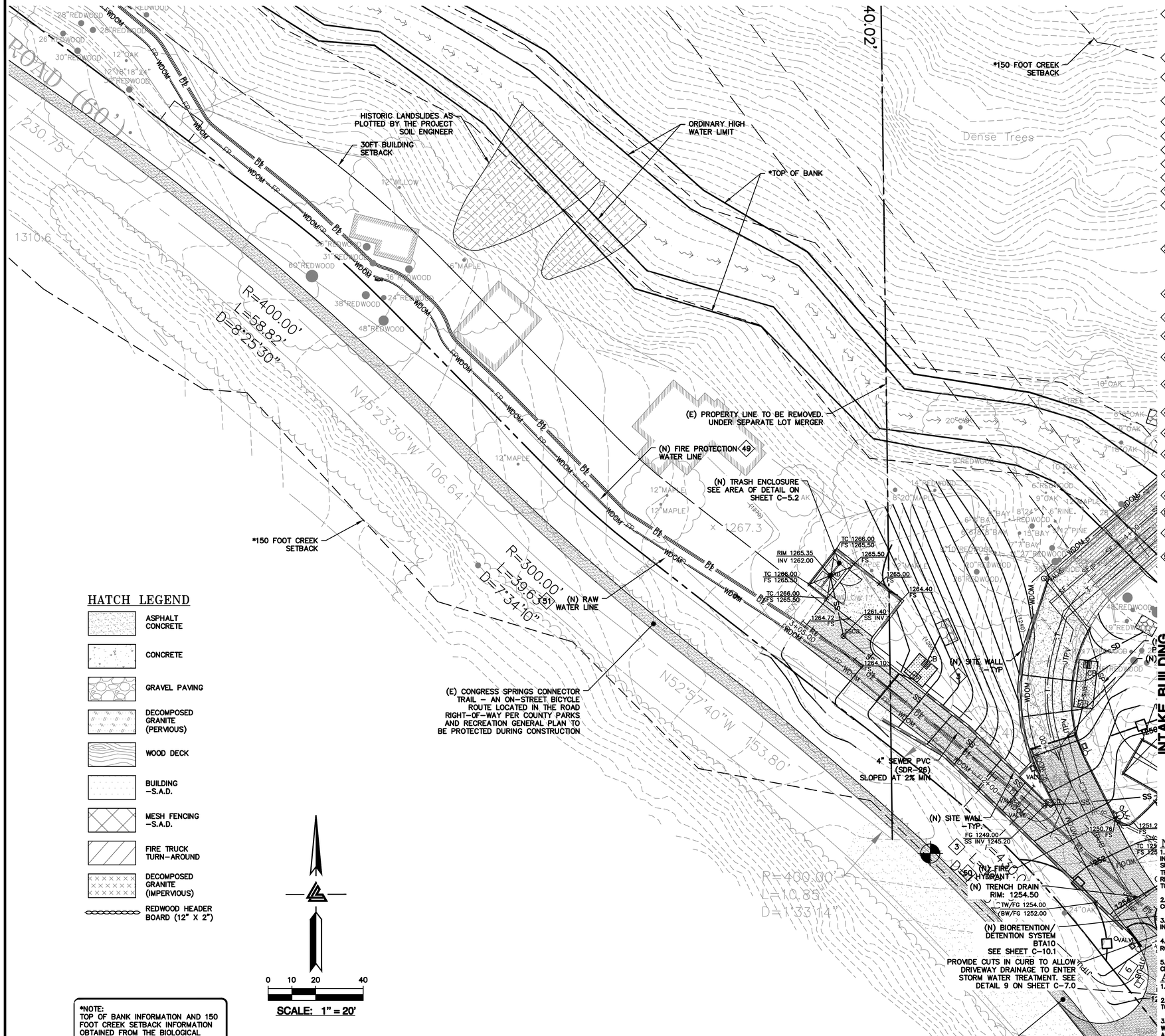
PLOT: 2/16/2021 9:58:28 AM


ROAD (60')
230.75'
1310.6
R=400.00'
L=58.82'
D=8°25'30"
N45°23'30"W 106.64'
R=300.00'
L=39.63'
D=7°34'10"
N52°57'40"W 153.80'
R=400.00'
L=10.85'
D=1°33'14"
40.02'
HISTORIC LANDSLIDES AS PLOTTED BY THE PROJECT SOIL ENGINEER
30FT BUILDING SETBACK
ORDINARY HIGH WATER LIMIT
*TOP OF BANK
*150 FOOT CREEK SETBACK
(E) PROPERTY LINE TO BE REMOVED. UNDER SEPARATE LOT MERGER
(N) FIRE PROTECTION 49 WATER LINE
(N) TRASH ENCLOSURE SEE AREA OF DETAIL ON SHEET C-5.2
(N) RAW WATER LINE
(E) CONGRESS SPRINGS CONNECTOR TRAIL – AN ON-STREET BICYCLE ROUTE LOCATED IN THE ROAD RIGHT-OF-WAY PER COUNTY PARKS AND RECREATION GENERAL PLAN TO BE PROTECTED DURING CONSTRUCTION
4" SEWER PVC (SDR-26) SLOPED AT 2% MIN.
(N) SITE WALL – TYP.
(N) SITE WALL – TYP
(N) FIRE HYDRANT
(N) TRENCH DRAIN RIM: 1254.50
(N) BIORETENTION/ DETENTION SYSTEM BTA10 SEE SHEET C-10.1
PROVIDE CUTS IN CURB TO ALLOW DRIVEWAY DRAINAGE TO ENTER STORM WATER TREATMENT. SEE DETAIL 9 ON SHEET C-7.0
INTAKE BUILDING SEE SHEET C-3.1
Dense Trees
28"REDWOOD
26"REDWOOD
30"REDWOOD
12"OAK
12"&18"&24" REDWOOD
12"WILLOW
6"MAPLE
60"REDWOOD
36"REDWOOD
31"REDWOOD
38"REDWOOD
24"REDWOOD
48"REDWOOD
12"MAPLE
10"OAK
20"OAK
9"REDWOOD
14"REDWOOD
6"REDWOOD
8"OAK
7"OAK
8"20"MAPLE
6"BAY
8"24"REDWOOD
15"BAY
7"BAY
27"REDWOOD
10"OAK
6"PINE
6"MAPLE
20"REDWOOD
36"REDWOOD
48"REDWOOD
19"REDWOOD
RIM 1265.35 INV 1262.00
TC 1266.00 FS 1265.50
1265.50 FS
1265.00 FS
1264.40 FS
1261.40 SS INV
1264.72 FS
1264.10 FS
FG 1249.00 SS INV 1245.20
1250.76 FS
1251.2 S
TC 125 FS 125
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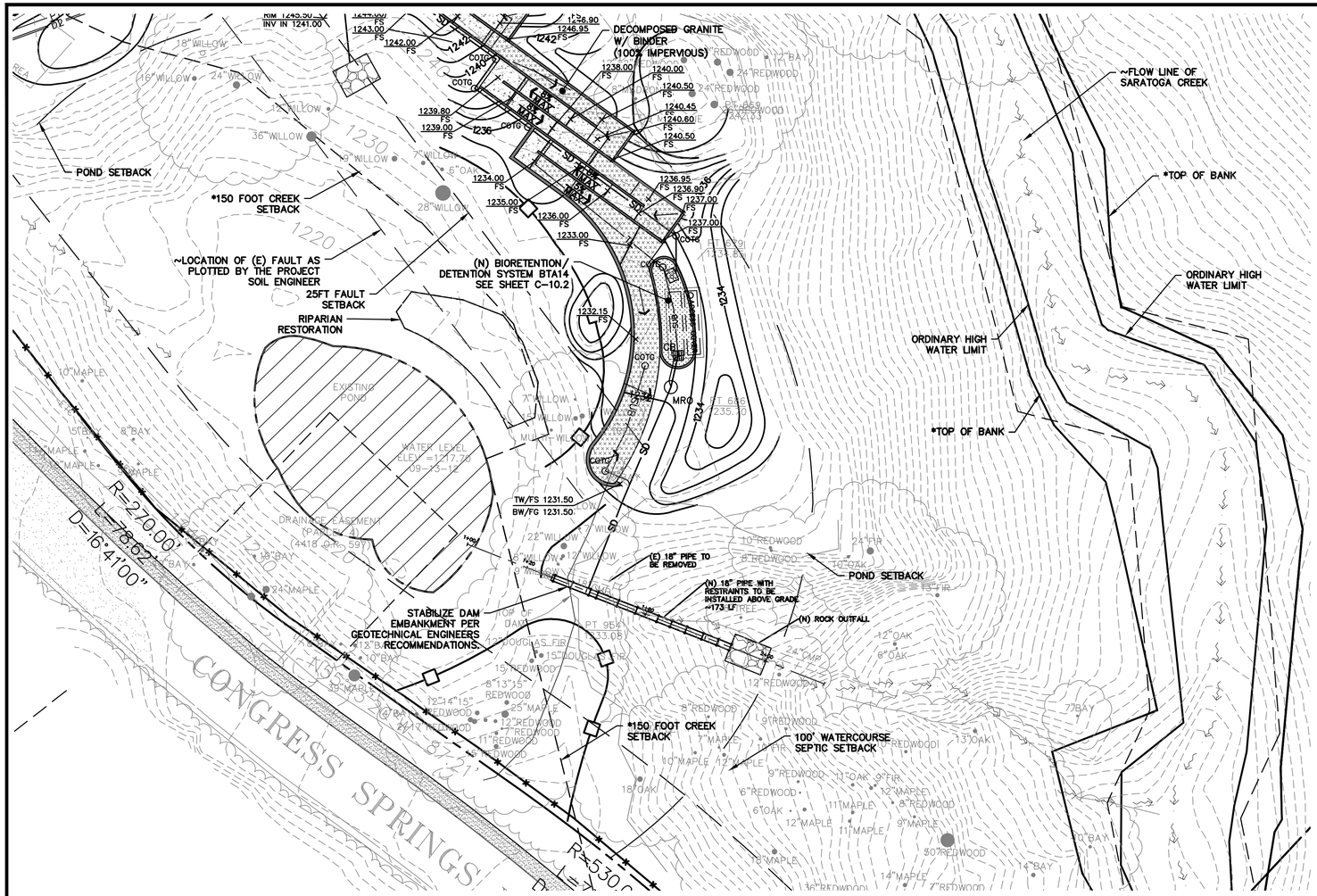

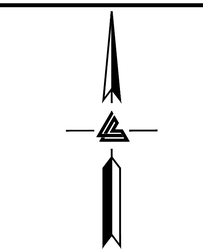

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING –S.A.D.
- MESH FENCING –S.A.D.
- FIRE TRUCK TURN–AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
2. PROVIDE 2% (1% MIN.) SLOPE ACROSS FLAT WORK AND/OR PAVING PER CBC 1804.4. SLOPE TOWARDS POSITIVE DRAINAGE AS SHOWN ON PLAN.
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5. NOT USED.
6. (N) AC ACCESS ROAD/DRIVEWAY. SEE DETAIL 2A ON SHEET C–7.0.
7. (N) GRAVEL PAVING. SEE DETAIL 2B ON SHEET C–7.0.
8. (N) HARDSCAPE, PATIOS, AND WALKWAYS. SEE DETAIL 3A ON SHEET C–7.0.
9. INSTALL (N) TREE PROTECTION MEASURES AS REQUIRED. SEE DETAIL 4 ON SHEET C–7.0.
10. (N) DECOMPOSED GRANITE WALKWAY. SEE DETAIL 3B ON SHEET C–7.0.
11. (N) DEEPENED CURB. SEE DETAIL 6 ON SHEET C–7.0.

STORM DRAIN

SEE SHEETS C–10.0 TO C–10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

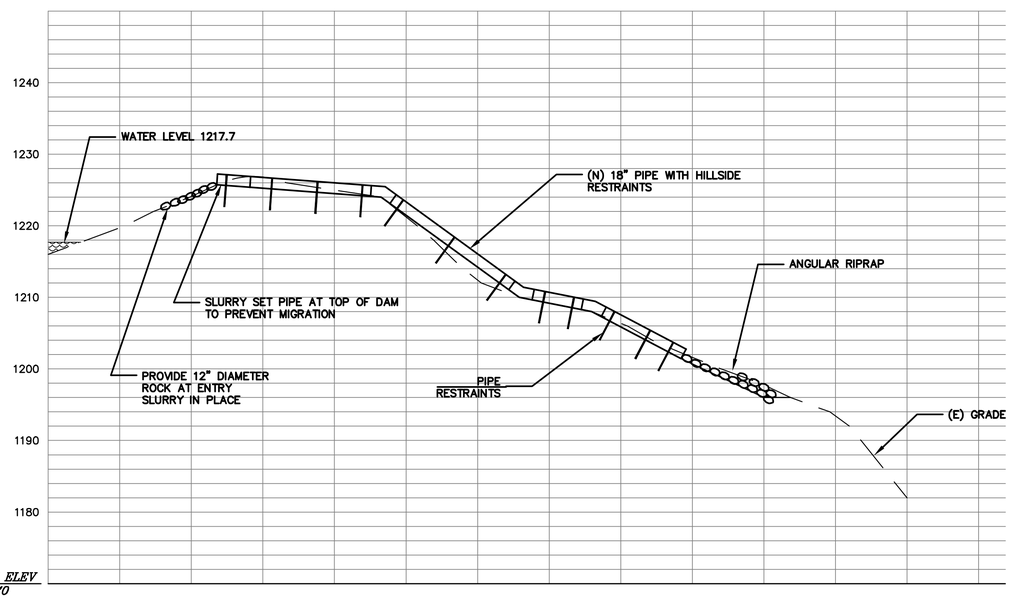
32. (N) 4" PVC (SDR–35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C–7.2.

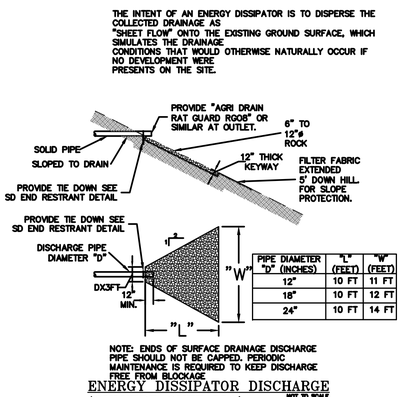
UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
41. (N) LEACH FIELD. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL FIELD LAYOUT AND LOCATION.
42. (N) HOLDING TANK WITH LIFT PUMP. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
43. (N) PRESSURE LINE FOR SEPTIC TANK EFFLUENT. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL PIPE SIZING REQUIREMENTS.
44. INSTALL (N) SANITARY SEWER LATERAL. USE 6" PVC (SDR–26) SLOPED AT 1% MINIMUM. CONNECT TO (N) LATERAL AND CLEANOUT AS SHOWN. PROVIDE CLEANOUT TO GRADE AT BUILDING AND AT MAJOR CHANGES IN DIRECTION AS SHOWN. CONNECT TO THE (N) SEPTIC TANKS AS SHOWN. AND INSTALL PER DISTRICT STANDARDS.
45. (N) DEDICATED NEUTRALIZING TANK. REFER TO MECHANICAL PLANS FOR SIZING CRITERIA AND MODEL SELECTION.
46. (N) SITE WELL. RUN SUPPLY LINE FROM THE WELL TO THE ON–SITE WATER STORAGE TANKS (DOMESTIC / FIRE PROTECTION).
47. (N) ON–SITE WATER TANKS DEDICATED FOR FIRE PROTECTION. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
48. (N) ON–SITE WATER TANKS DEDICATED FOR DOMESTIC SERVICE. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
49. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" (C900 OR SIMILAR). REFER TO MECHANICAL PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
50. (N) ON–SITE FIRE HYDRANT. –TYP
51. (N) DOMESTIC & RAW WATER SERVICE. REFER TO CIVIL WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
52. (N) PAD MOUNTED TRANSFORMER. FINAL LOCATION TO BE COORDINATED WITH PG&E. REFER TO MECHANICAL PLANS FOR DETAILS

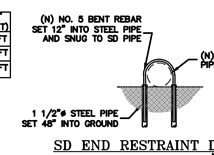
SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC–11.0 TO UC–11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

*NOTE:
TOP OF BANK INFORMATION AND 150 FOOT CREEK SETBACK INFORMATION OBTAINED FROM THE BIOLOGICAL RESOURCES ASSESSMENT PERFORMED BY FIRST CARBON SOLUTIONS.





ENERGY DISSIPATOR DISCHARGE (CULVERT OUTFALLS)
NOT TO SCALE



SD END RESTRAINT DETAIL
NOT TO SCALE

NOTES:

1.) THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS LESS THAN 5 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. ALL TREES TO REMAIN AS PART OF THIS PERMIT.

2.) NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.

3.) SUBMIT A CERTIFICATION FROM THE SOILS ENGINEER CERTIFYING THAT THE WORK WAS COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SOILS REPORT PRIOR TO RELEASE OF BOND.

4.) OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR INSTALLATION OF STANDARD ACCESS ROAD/DRIVEWAY APPROACHES.

5.) GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.

AIR QUALITY NOTE:

1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.

2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEN AND APPLY WATER THREE TIMES A DAY OR APPLY (NON–TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.

4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER CARLTON — No. C79338 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS - LAND SURVEYORS
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WWW.LEABRAZE.COM

ISSUES AND REVISIONS

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03–26–19	PERMIT MODIFICATION PLAN CHECK 1
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05-10-21	ASA 3 PLAN CHECK #1

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APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
POND VIEWING GRADING & DRAINAGE PLAN

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-3.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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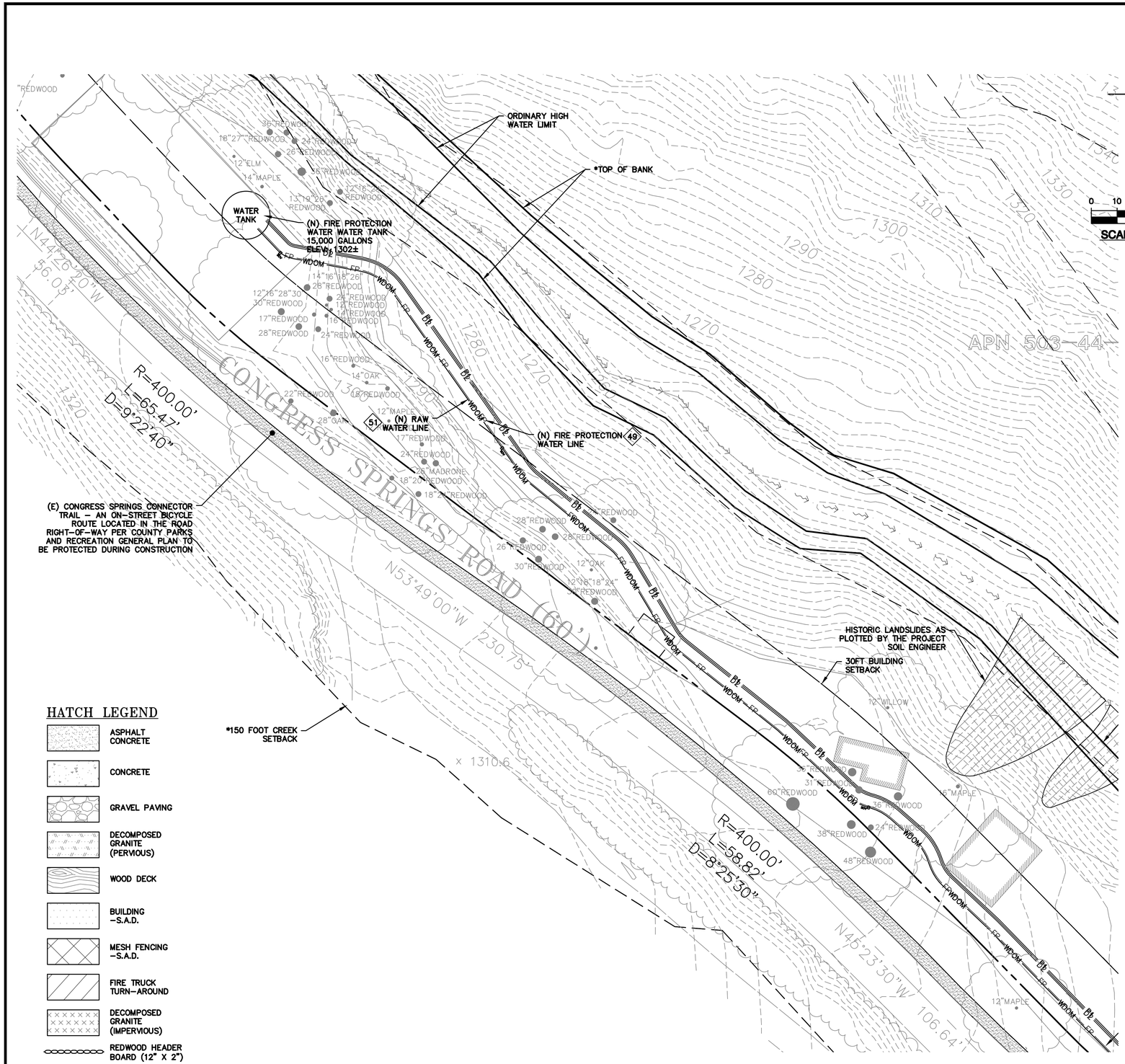
PLOT: 2/16/2021 10:00:13 AM



HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING –S.A.D.
- MESH FENCING –S.A.D.
- FIRE TRUCK TURN–AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

*NOTE:
TOP OF BANK INFORMATION AND 150 FOOT CREEK SETBACK INFORMATION OBTAINED FROM THE BIOLOGICAL RESOURCES ASSESSMENT PERFORMED BY FIRST CARBON SOLUTIONS.

FLATWORK

1. FINISHED GRADES AT BUILDING PERIMETER SHALL BE SLOPED AT A MINIMUM OF 5% FOR THE FIRST 10' AWAY FROM THE BUILDING PER CBC 1804.4 OR TO AN APPROVED DRAINAGE SWALE OR STRUCTURE. GRADES SHALL CONTINUE TO SLOPE TOWARDS POSITIVE DRAINAGE AND A POSITIVE OUTFALL. MAINTAIN 8" CLEARANCE BETWEEN FINISH EARTHEN GRADE AND BOTTOM OF MUD SILL AT ALL TIMES PER CBC 2304.11.2 UNLESS STRUCTURAL DETAILING ALLOWS LESS. REFER TO STRUCTURAL PLANS FOR FOUNDATION DESIGN AND DETAILS.
2. PROVIDE 2% (1% MIN.) SLOPE ACROSS FLAT WORK AND/OR PAVING PER CBC 1804.4. SLOPE TOWARDS POSITIVE DRAINAGE AS SHOWN ON PLAN.
3. INSTALL (N) CONCRETE RETAINING WALL. RETAINING WALLS TO BE CONSTRUCTED UNDER SEPARATE BUILDING PERMIT, DESIGNED BY OTHERS–TYP.
4. DURING CONSTRUCTION, IF THE (E) RETAINING WALLS ARE DETERMINED TO BE REPLACED, CIVIL ENGINEER, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER SHOULD BE CONSULTED AS TO WHETHER SUBDRAINAGE WILL BE REQUIRED OR NOT.
5. NOT USED.
6. (N) AC ACCESS ROAD/DRIVEWAY. SEE DETAIL 2A ON SHEET C–7.0.
7. (N) GRAVEL PAVING. SEE DETAIL 2B ON SHEET C–7.0.
8. (N) HARDSCAPE, PATIOS, AND WALKWAYS. SEE DETAIL 3A ON SHEET C–7.0.
9. INSTALL (N) TREE PROTECTION MEASURES AS REQUIRED. SEE DETAIL 4 ON SHEET C–7.0.
10. (N) DECOMPOSED GRANITE WALKWAY. SEE DETAIL 3B ON SHEET C–7.0.
11. (N) DEEPENED CURB. SEE DETAIL 6 ON SHEET C–7.0.

STORM DRAIN

SEE SHEETS C–10.0 TO C–10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

32. (N) 4" PVC (SDR–35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C–7.2.

UTILITIES

40. (N) SEPTIC TANK. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
41. (N) LEACH FIELD. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL FIELD LAYOUT AND LOCATION.
42. (N) HOLDING TANK WITH LIFT PUMP. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL TANK SIZE AND LOCATION.
43. (N) PRESSURE LINE FOR SEPTIC TANK EFFLUENT. REFER TO THE SEPTIC PLANS BY LEA & BRAZE ENGINEERING FOR FINAL PIPE SIZING REQUIREMENTS.
44. INSTALL (N) SANITARY SEWER LATERAL. USE 6" PVC (SDR–26) SLOPED AT 1% MINIMUM. CONNECT TO (N) LATERAL AND CLEANOUT AS SHOWN. PROVIDE CLEANOUT TO GRADE AT BUILDING AND AT MAJOR CHANGES IN DIRECTION AS SHOWN. CONNECT TO THE (N) SEPTIC TANKS AS SHOWN. AND INSTALL PER DISTRICT STANDARDS.
45. (N) DEDICATED NEUTRALIZING TANK. REFER TO MECHANICAL PLANS FOR SIZING CRITERIA AND MODEL SELECTION.
46. (N) SITE WELL. RUN SUPPLY LINE FROM THE WELL TO THE ON–SITE WATER STORAGE TANKS (DOMESTIC / FIRE PROTECTION).
47. (N) ON–SITE WATER TANKS DEDICATED FOR FIRE PROTECTION. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
48. (N) ON–SITE WATER TANKS DEDICATED FOR DOMESTIC SERVICE. REFER TO MECHANICAL PLANS FOR DETAILS ON TANK CONFIGURATION AND PIPE DETAILS.
49. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" (C900 OR SIMILAR). REFER TO MECHANICAL PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
50. (N) ON–SITE FIRE HYDRANT. –TYP
51. (N) DOMESTIC & RAW WATER SERVICE. REFER TO CIVIL WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE.
52. (N) PAD MOUNTED TRANSFORMER. FINAL LOCATION TO BE COORDINATED WITH PG&E. REFER TO MECHANICAL PLANS FOR DETAILS

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC–11.0 TO UC–11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

NOTES:

1.) THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS LESS THAN 5 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED. ALL TREES TO REMAIN AS PART OF THIS PERMIT.

2.) NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.

3.) SUBMIT A CERTIFICATION FROM THE SOILS ENGINEER CERTIFYING THAT THE WORK WAS COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SOILS REPORT PRIOR TO RELEASE OF BOND.

4.) OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR INSTALLATION OF STANDARD ACCESS ROAD/DRIVEWAY APPROACHES.

5.) GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.

AIR QUALITY NOTE:

1.) WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.

2.) COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRED ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

3.) FOR UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS, PAVE THEN AND APPLY WATER THREE TIMES A DAY OR APPLY (NON–TOXIC) SOIL STABILIZERS ON ALL UNPAVED AREAS LISTED ABOVE.

4.) SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS OF THE CONSTRUCTION SITE.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLTON — NO. C79338 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09–06–18	GRADING PERMIT PLAN CHECK 4
12–21–18	PERMIT RESUBMITTAL
03–26–19	PERMIT MODIFICATION PLAN CHECK 1
04–11–19	ASA DELTA 2
04–22–19	BID SET
05–10–19	BID SET ADDENDUM 1
05–22–19	UTILITY PLAN CHECK 1
08–06–19	PHASE 4 – PERMIT SUBMITTAL
09–20–19	CONSTRUCTION SET 1
01–28–20	PERMIT MODIFICATION 2
05–29–20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07–22–20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
INTAKE WATER TANK GRADING & DRAINAGE PLAN

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-3.7

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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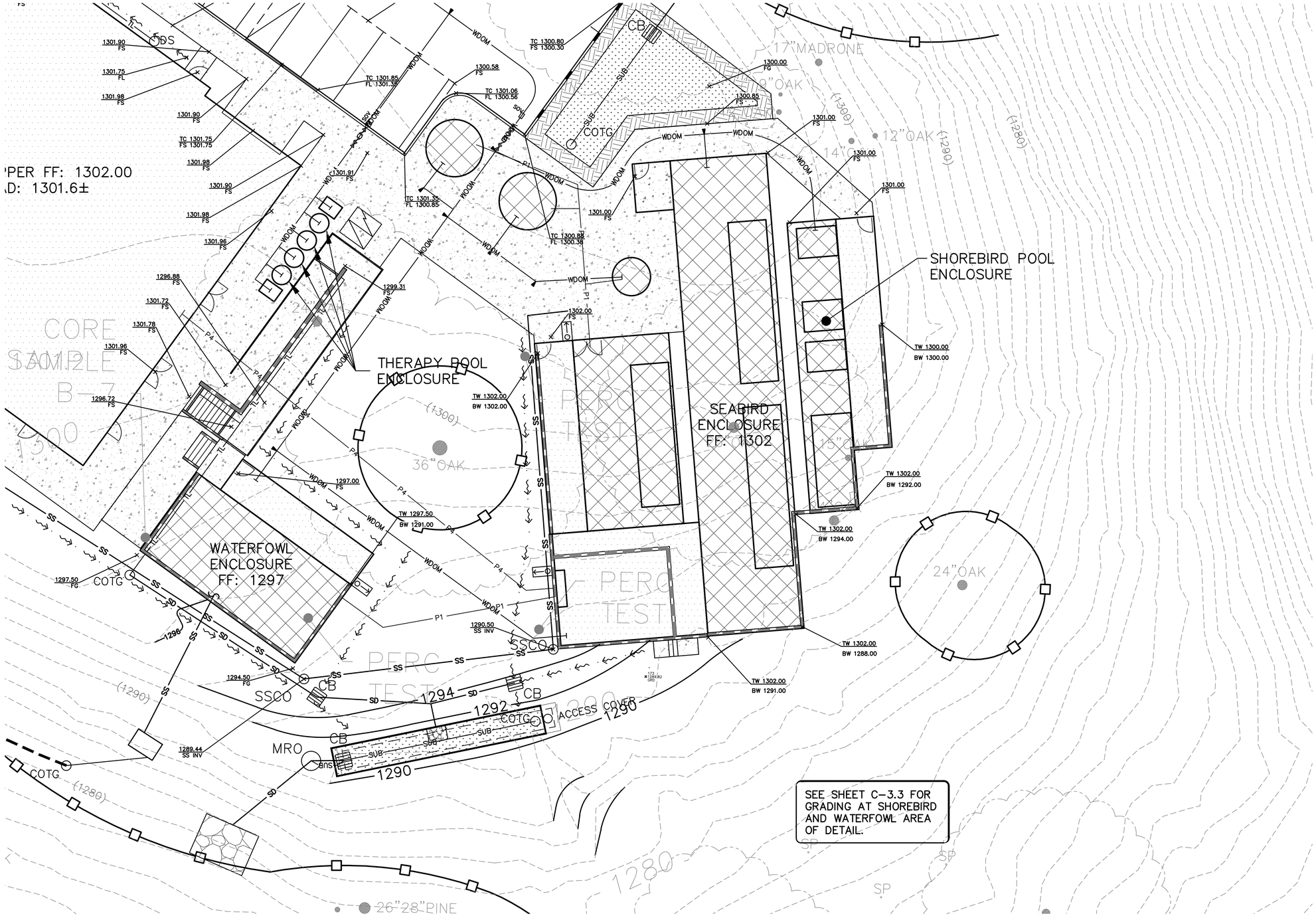
SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.



SEE SHEET C-3.3 FOR GRADING AT SHOREBIRD AND WATERFOWL AREA OF DETAIL.

0 5 10 20
SCALE: 1" = 10'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

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REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE1
C-3.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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SEE SEPTIC PLAN FOR DESIGN AND DETAILS OF ON-SITE WATER TREATMENT SYSTEMS.

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

FUTURE DEVELOPMENT RACCOON ENCLOSURES & ASSOCIATED IMPROVEMENTS

RACCOON ENCLOSURE FF: 1315.00

NATURAL GRADE BELOW CHAINLINK ROOFING

NATURAL GRADE BELOW CHAINLINK ROOFING

(N) BIORETENTION/ DETENTION SYSTEM BTA20. SEE SHEET C-10.6

(N) SANITARY SEWER PRESSURE LINE -TYP

(N) BIORETENTION/ DETENTION SYSTEM BTA5. SEE SHEET C-10.6

ACCESS COVER

PERC TEST

0 5 10 20

SCALE: 1" = 10'

HATCH LEGEND

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE2
C-3.9

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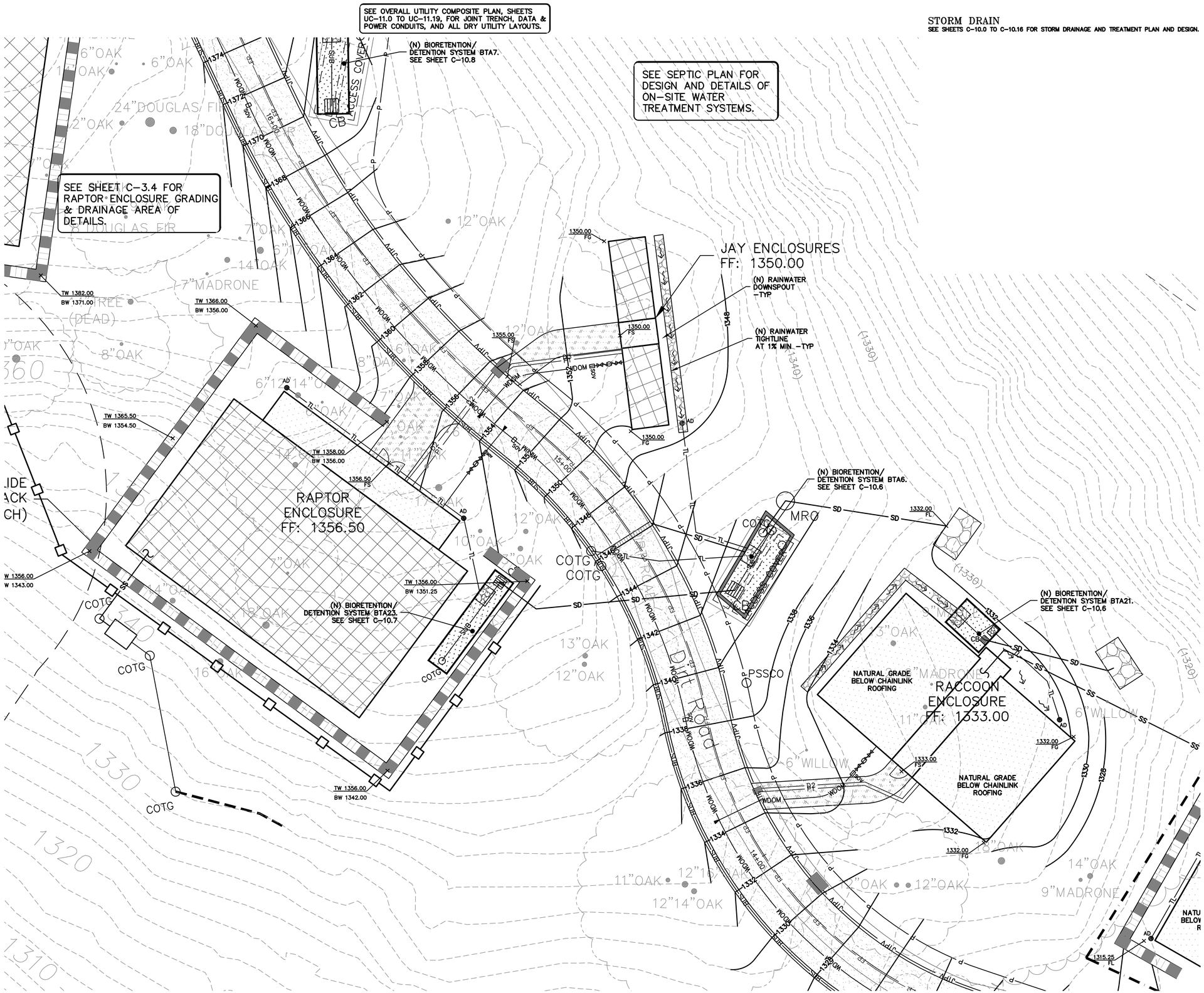

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

0 5 10 20
SCALE: 1" = 10'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE3
C-3.10

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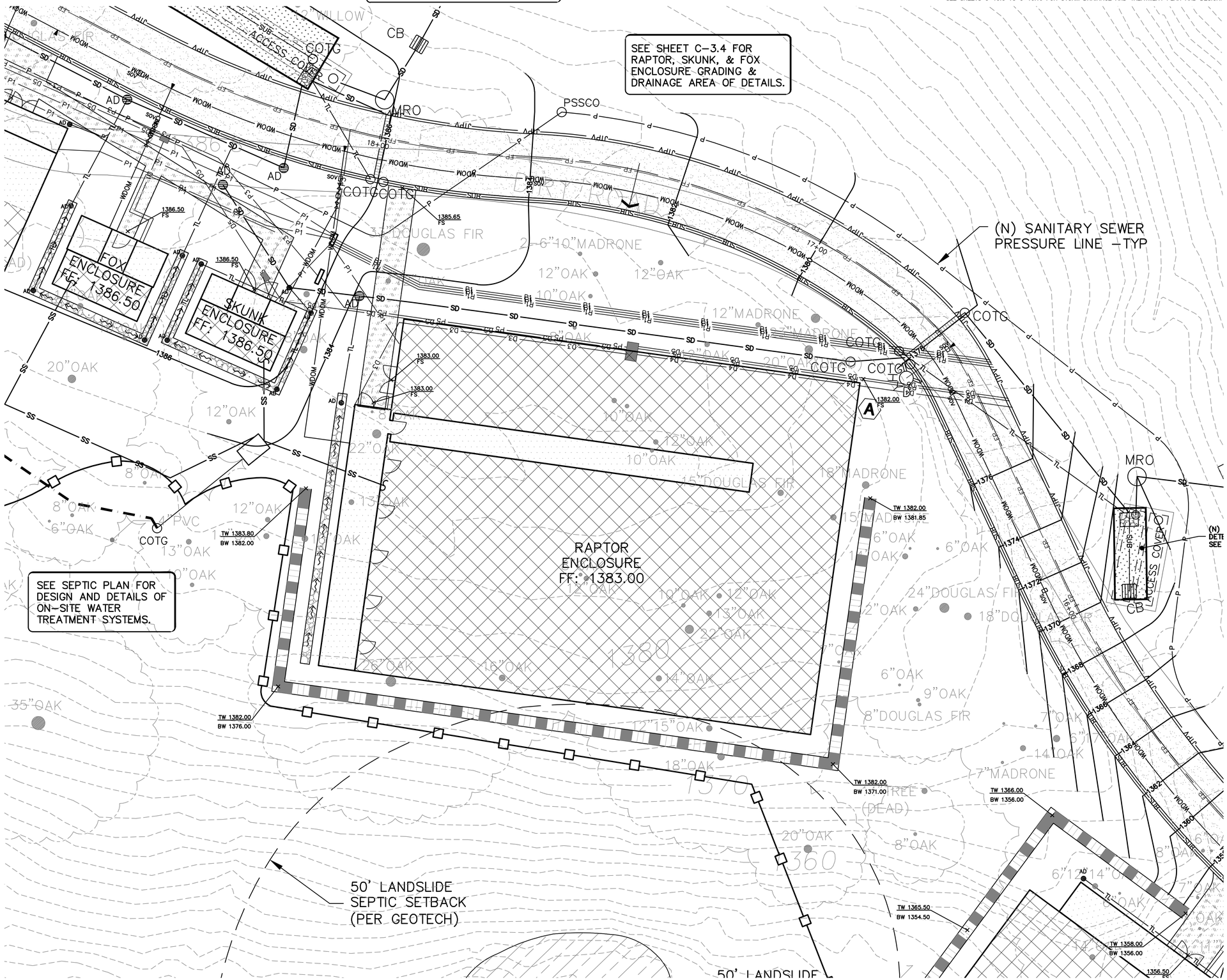

0 5 10 20

SCALE: 1" = 10'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE 1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
WE4
C-3.11

ASA/USE PERMIT MODIFICATION #3
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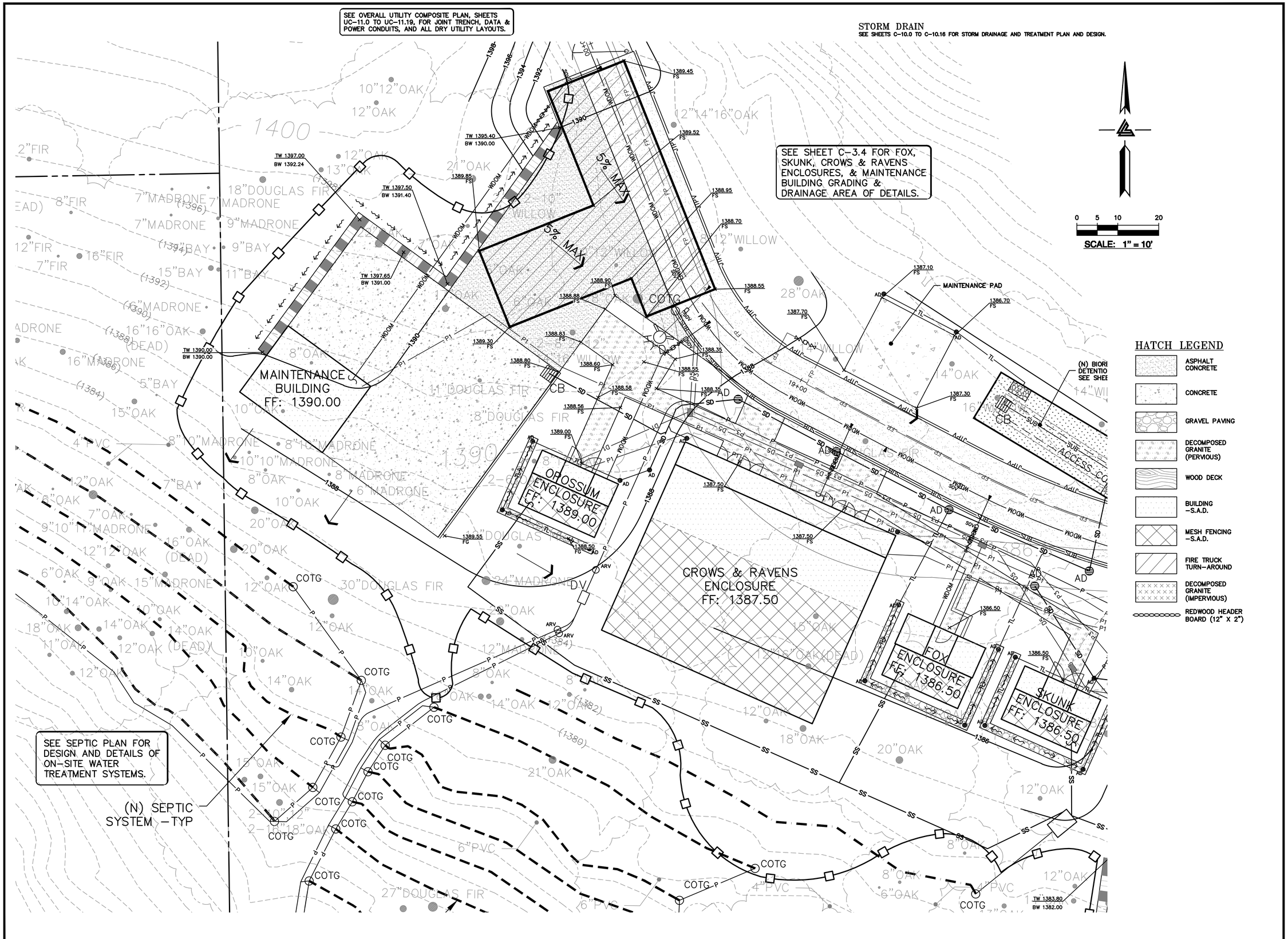

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE5
C-3.12

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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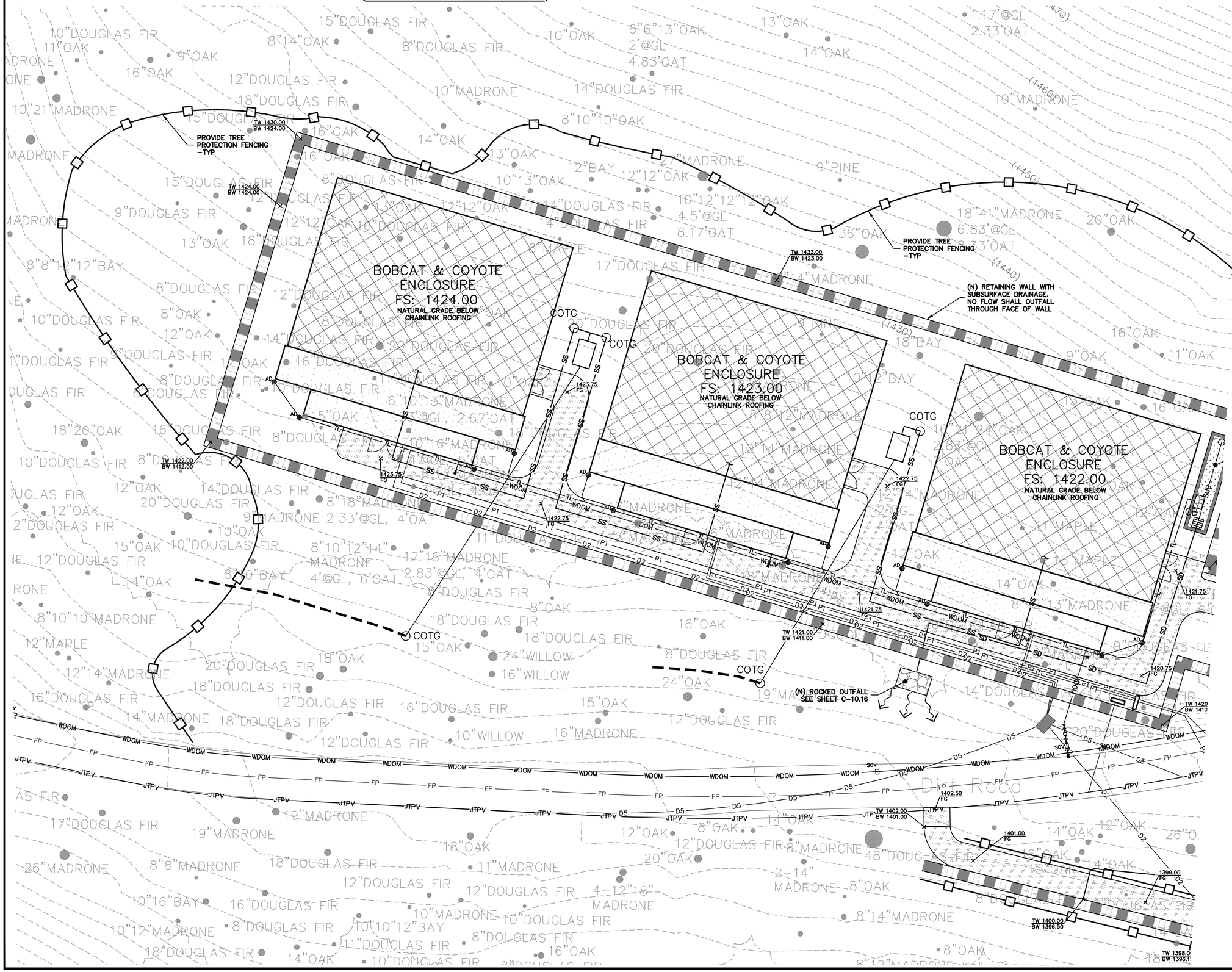
PLOT: 2/16/2021 10:07:18 AM

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.



0 5 10 20

SCALE: 1" = 10'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLTON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE6
C-3.13

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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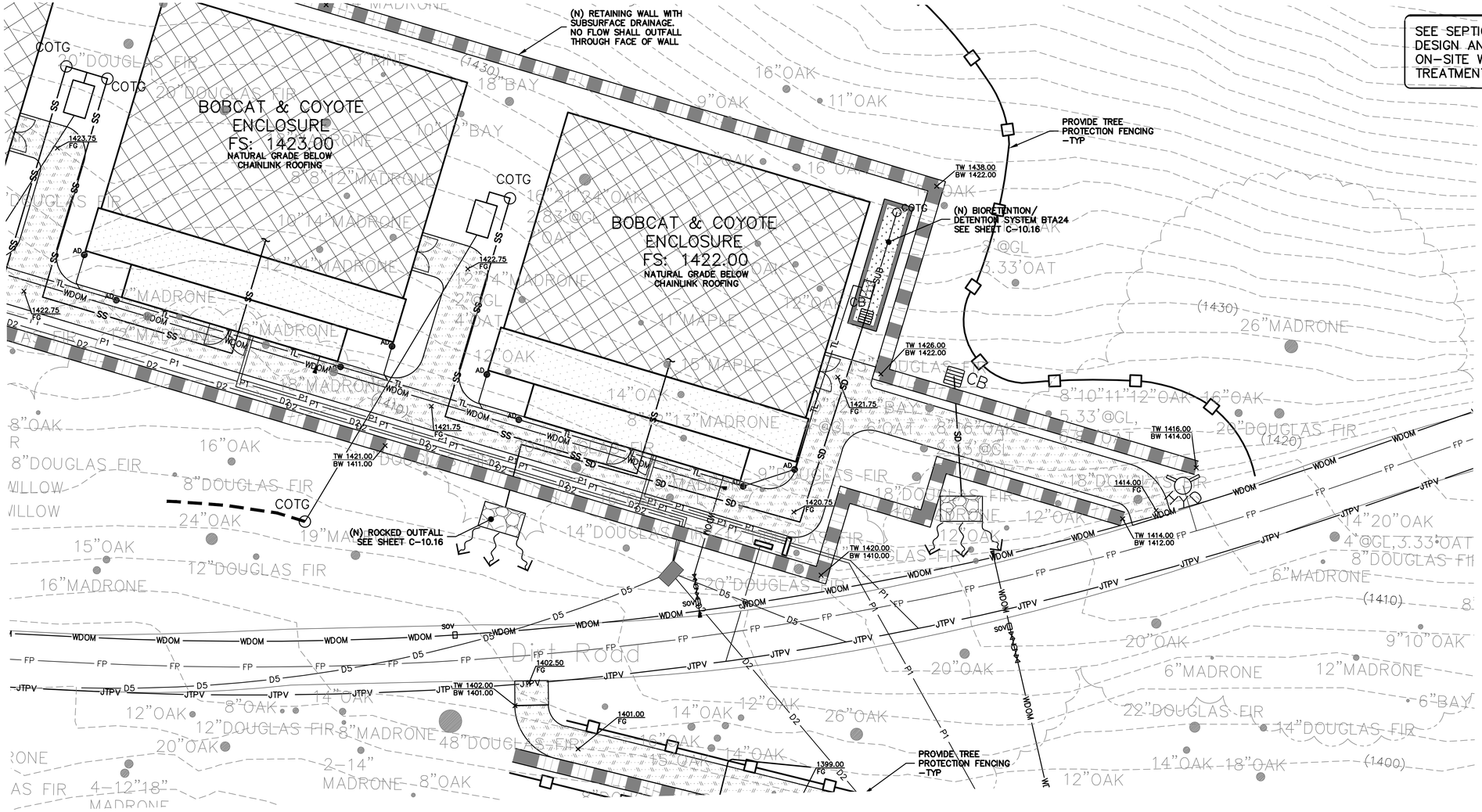

STORM DRAIN

SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — No. C79335 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
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08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

	SCALE
	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE7
C-3.14

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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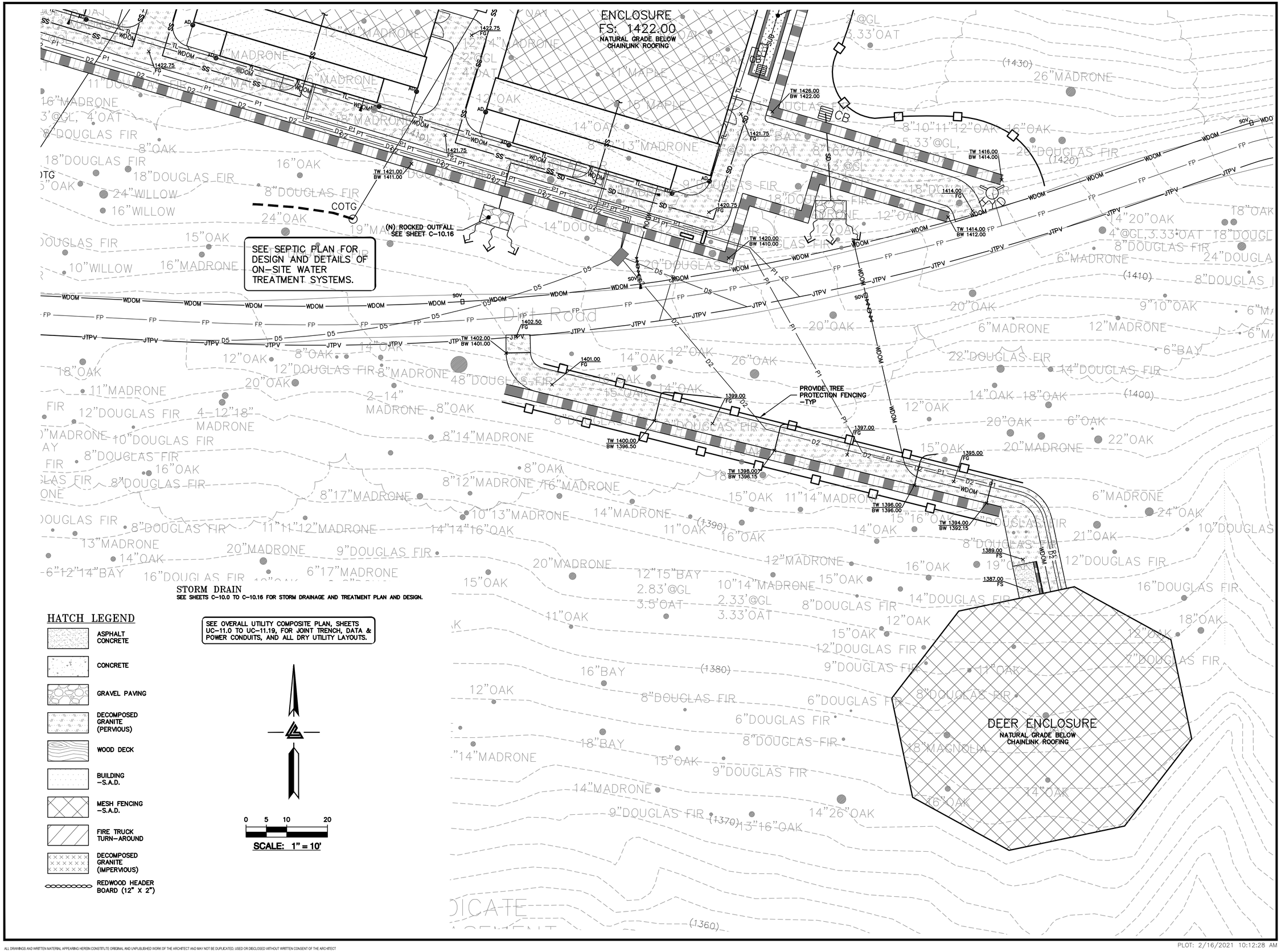

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
WE8
C-3.15

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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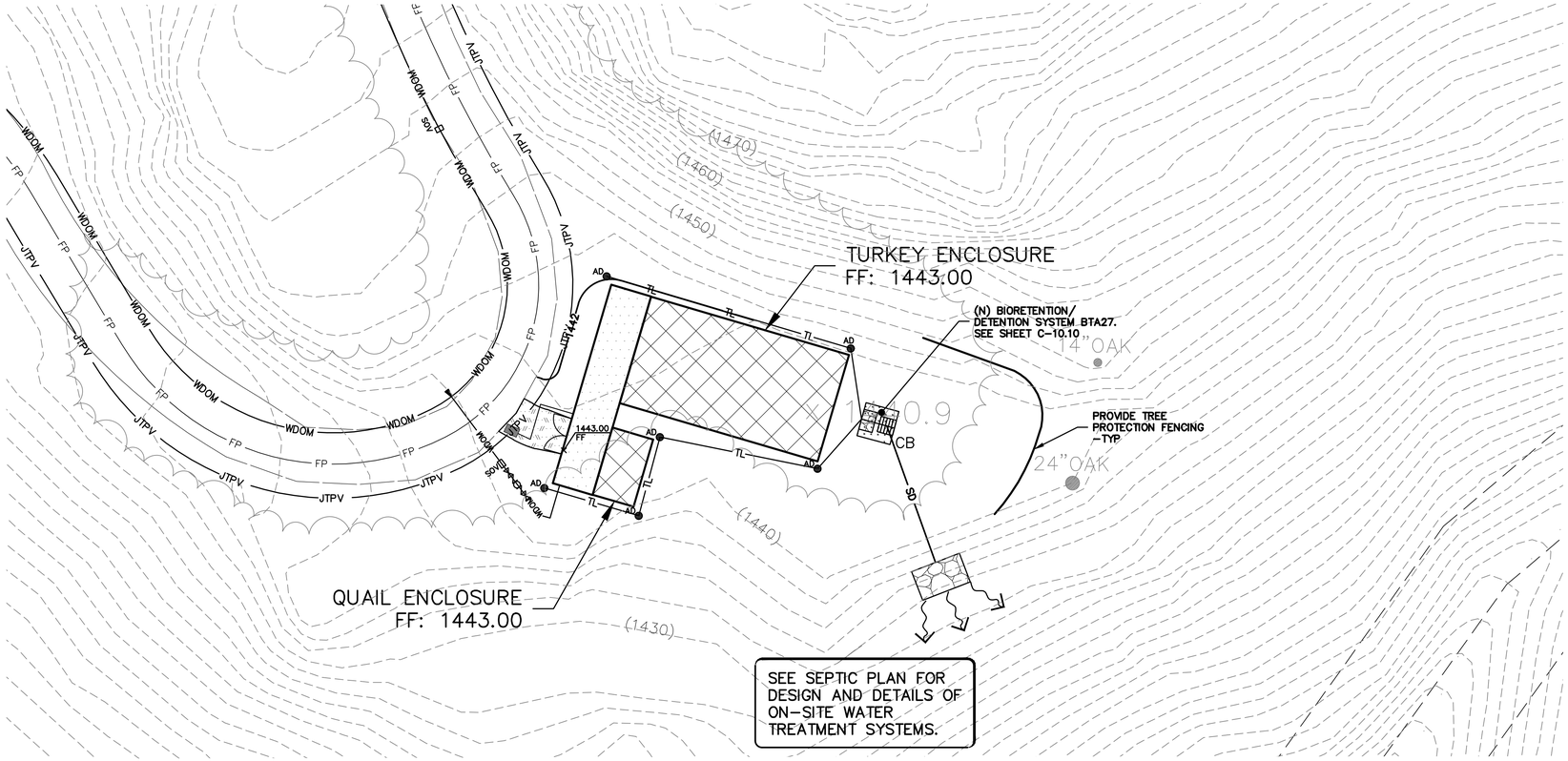
STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.



0 5 10 20
SCALE: 1" = 10'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE9
C-3.16

ASA/USE PERMIT MODIFICATION #3
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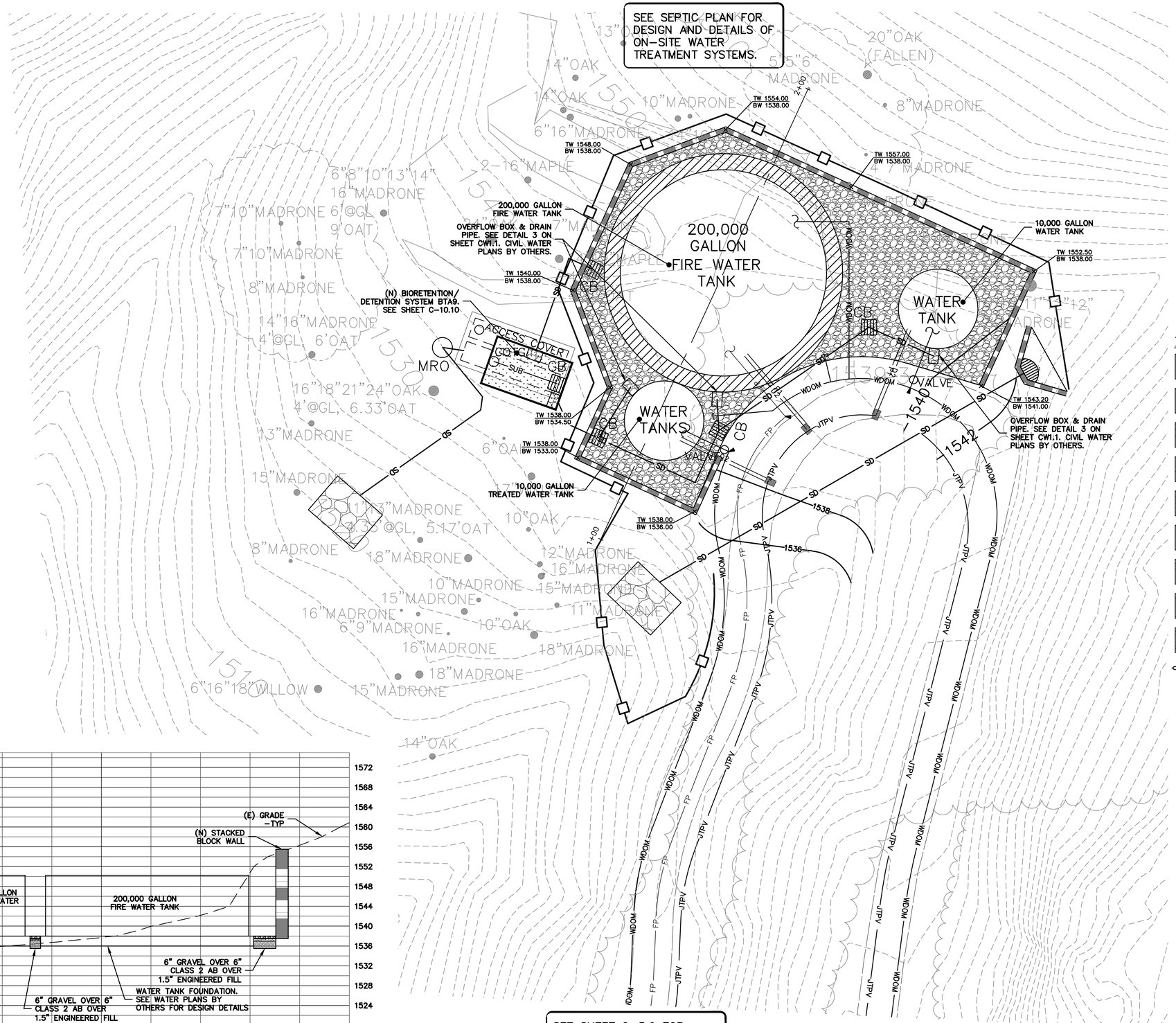
SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

SEE SEPTIC PLAN FOR DESIGN AND DETAILS OF ON-SITE WATER TREATMENT SYSTEMS.



0 5 10 20

SCALE: 1" = 10'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING –S.A.D.
- MESH FENCING –S.A.D.
- FIRE TRUCK TURN–AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

WATER TANK SECTION A

SCALE: 1" = 10' HORIZ & VERT

SEE SHEET C-5.9 FOR GRADING & DRAINAGE AND RAINWATER INFILTRATION SYSTEN AREA OF DETAILS.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING & DRAINAGE PLAN – ENCLOSURES

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
WE10
C-3.17

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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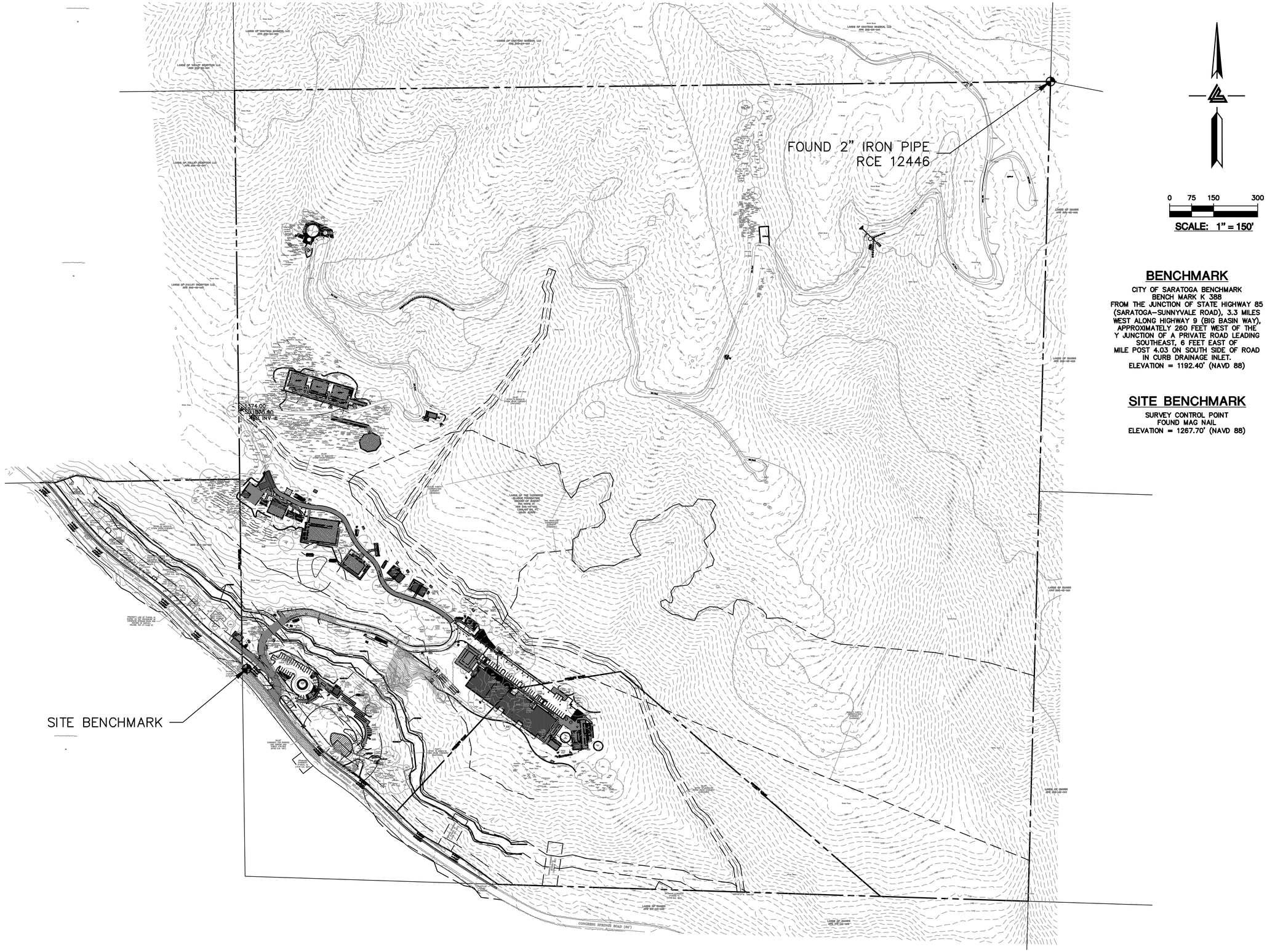

BENCHMARK

CITY OF SARATOGA BENCHMARK
BENCH MARK K 388
FROM THE JUNCTION OF STATE HIGHWAY 85 (SARATOGA–SUNNYVALE ROAD), 3.3 MILES WEST ALONG HIGHWAY 9 (BIG BASIN WAY), APPROXIMATELY 260 FEET WEST OF THE Y JUNCTION OF A PRIVATE ROAD LEADING SOUTHEAST, 6 FEET EAST OF MILE POST 4.03 ON SOUTH SIDE OF ROAD IN CURB DRAINAGE INLET.
ELEVATION = 1192.40' (NAVD 88)

SITE BENCHMARK

SURVEY CONTROL POINT
FOUND MAG NAIL
ELEVATION = 1267.70' (NAVD 88)

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH
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KORTH SUNSERI HAGEY

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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE
1" = 150'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-4.0

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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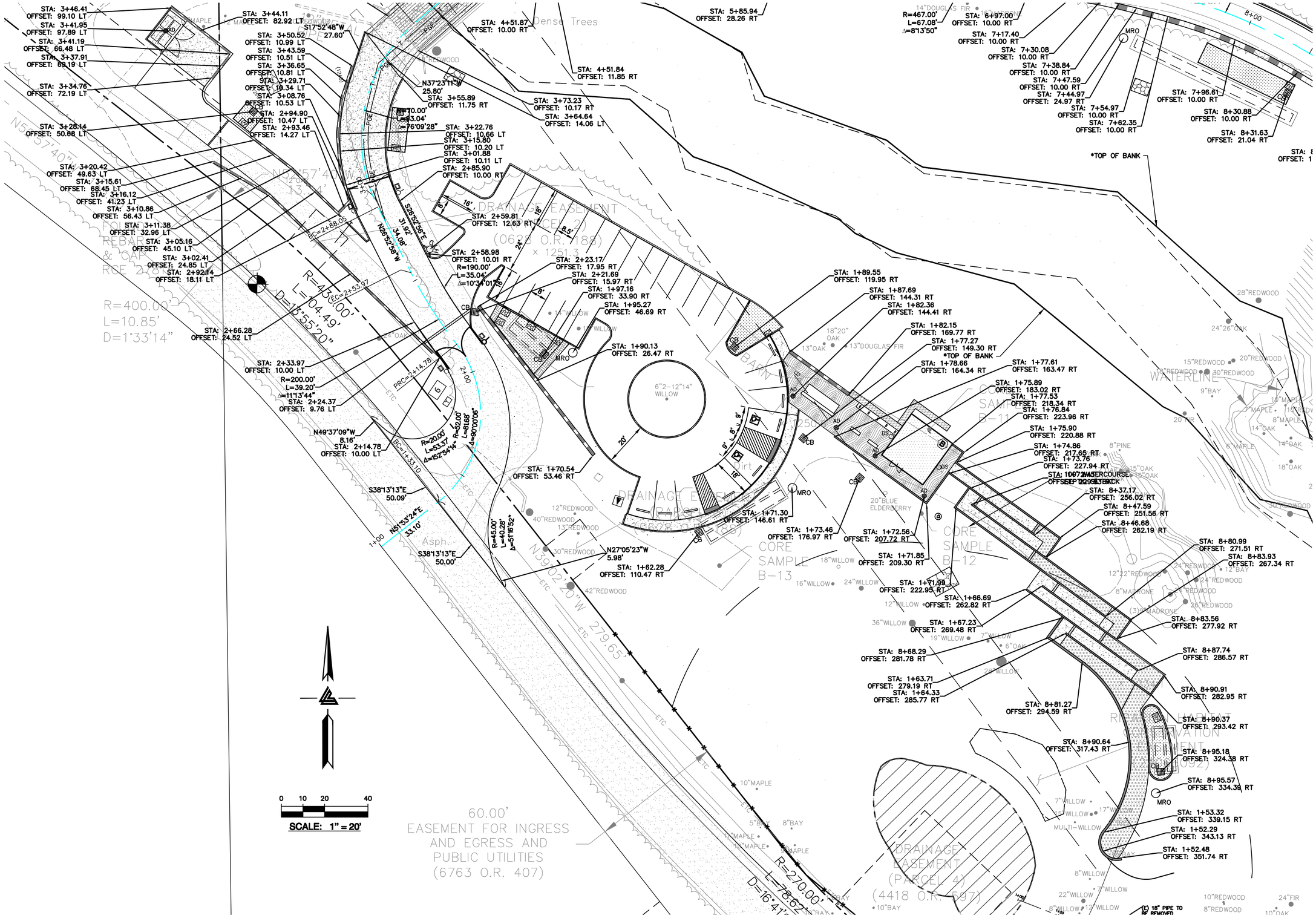

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — CARLO KORTH — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-ITG
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-4.1

ASA/USE PERMIT MODIFICATION #3
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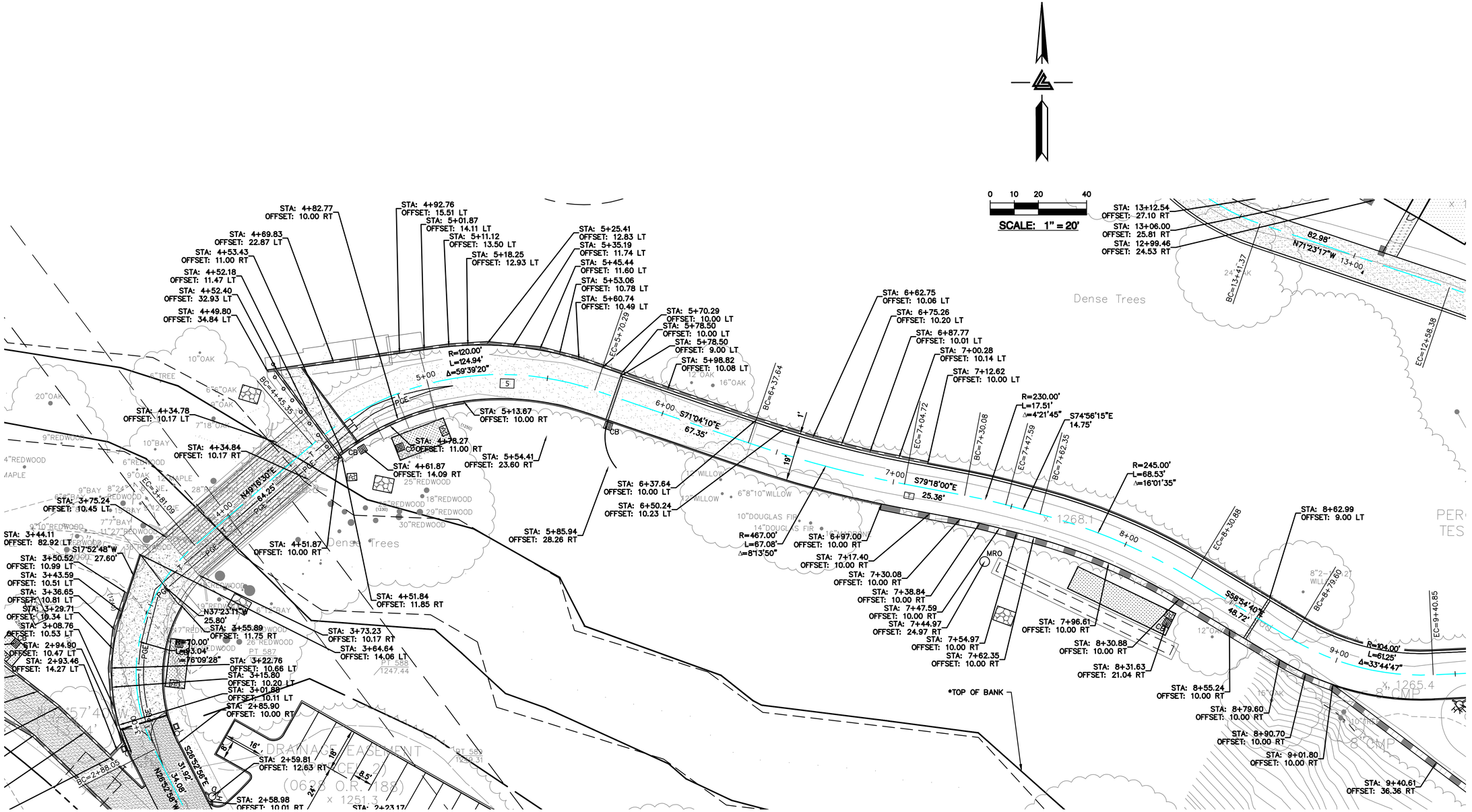

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SARATOGA, CA

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No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-4.2

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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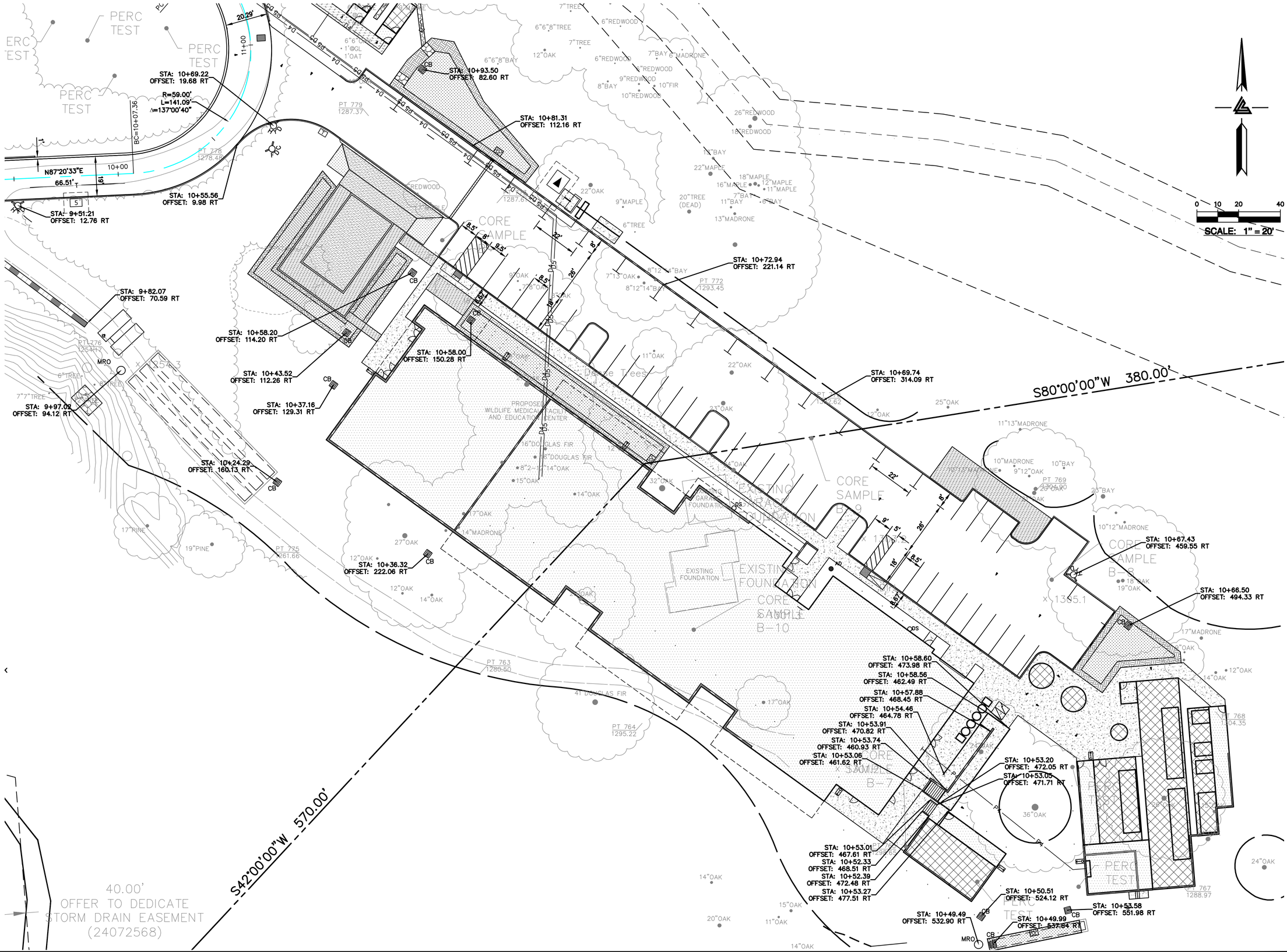
PLOT: 2/16/2021 10:17:12 AM



ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-4.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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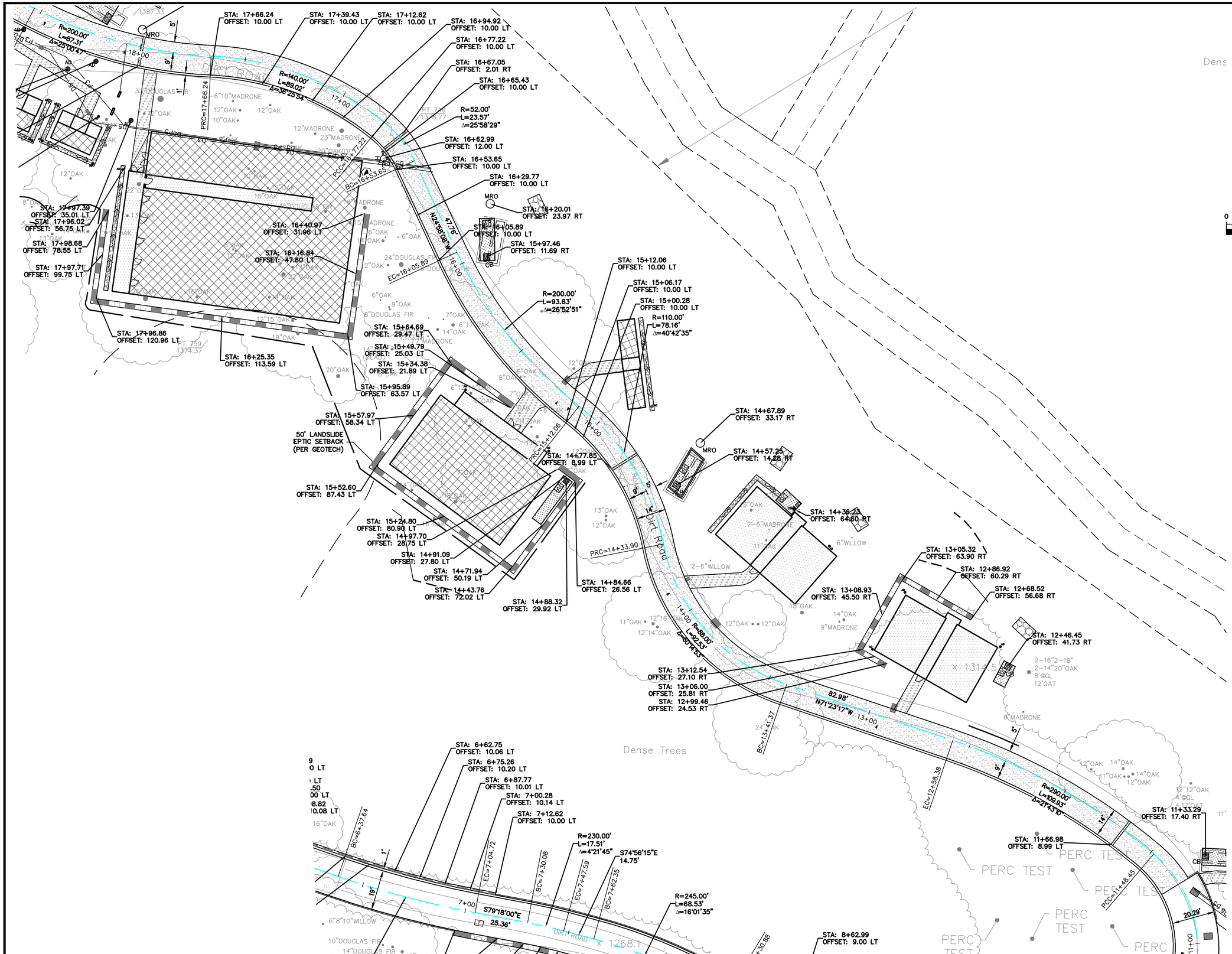

ELLISON CONSERVATION
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REGISTERED PROFESSIONAL ENGINEER
PETER CARLSON
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-4.4

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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PETER CARLSON
No. C79555
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STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-4.5

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

SCALE: 1" = 20'

25.00'
OFFER TO DEDICATE
STORM DRAIN EASEMENT
(24072567)

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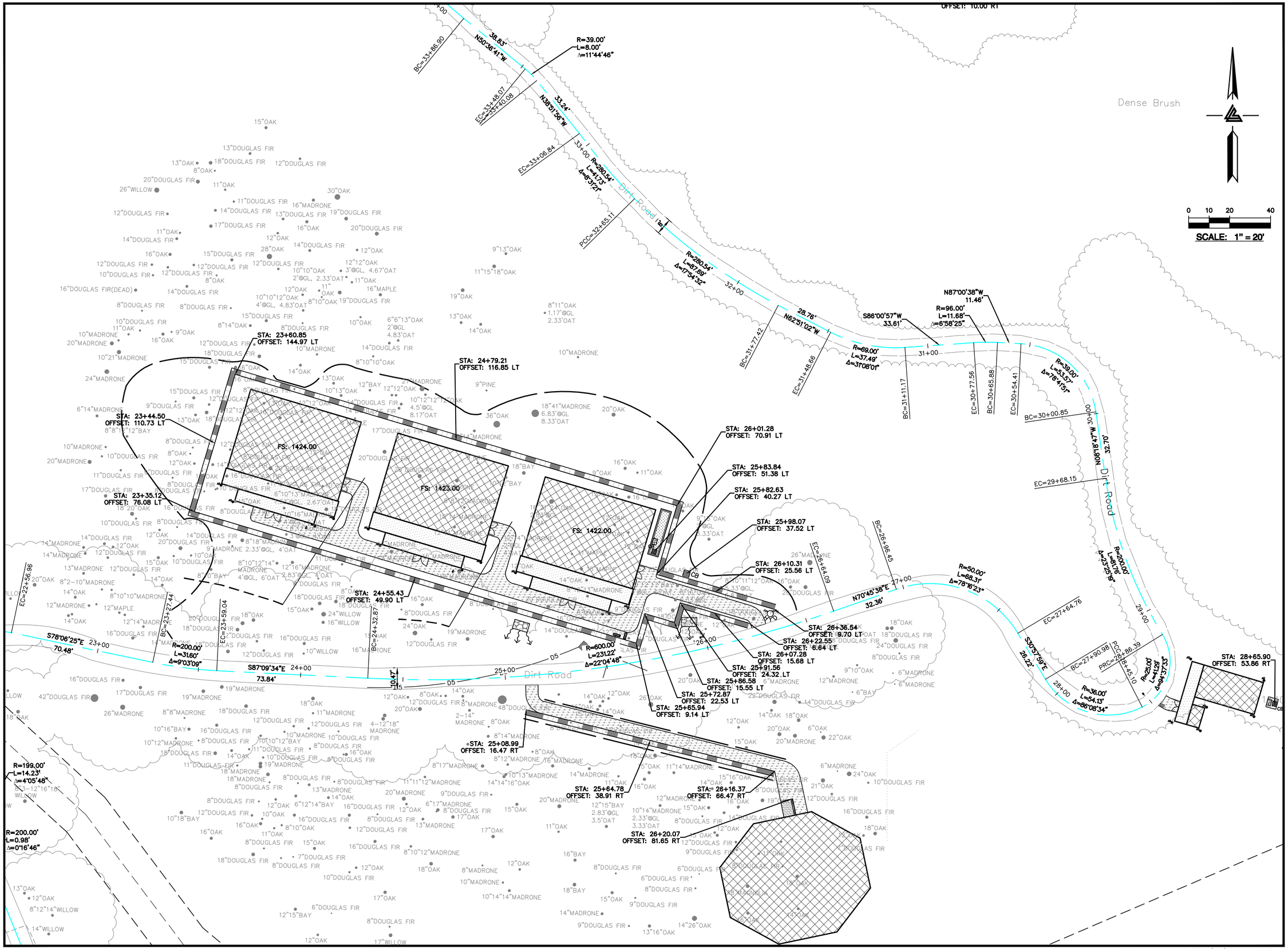

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-4.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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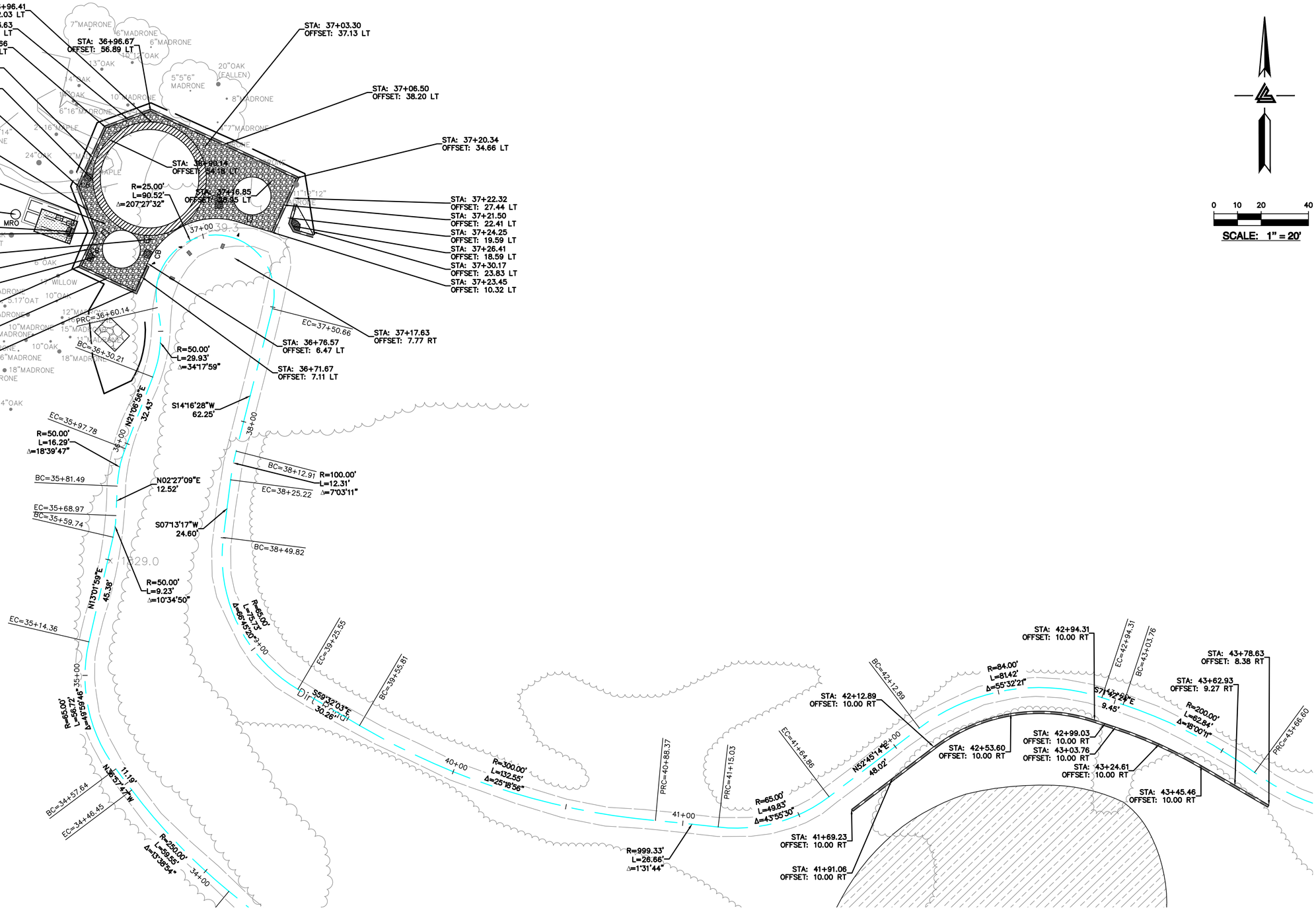

0 10 20 40

SCALE: 1" = 20'

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLSON
No. C79555
CIVIL
STATE OF CALIFORNIA
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
HORIZONTAL CONTROL PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-4.7

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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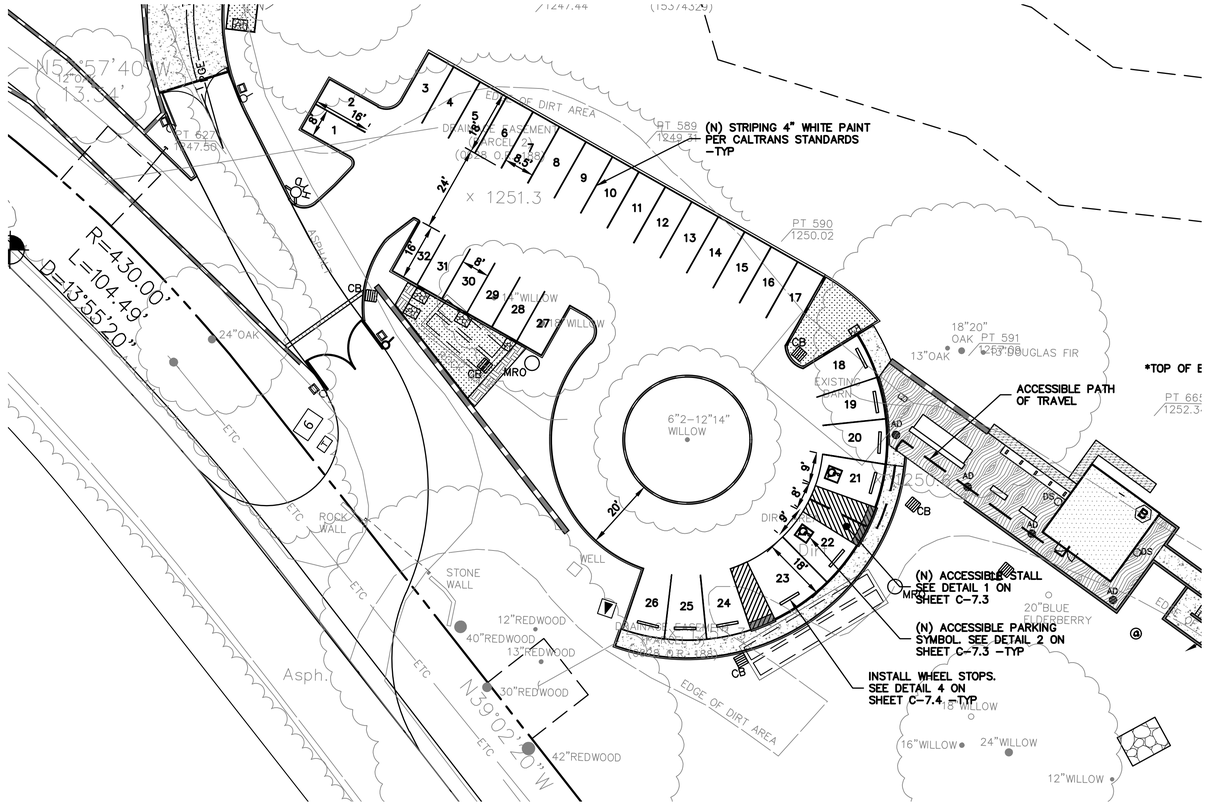
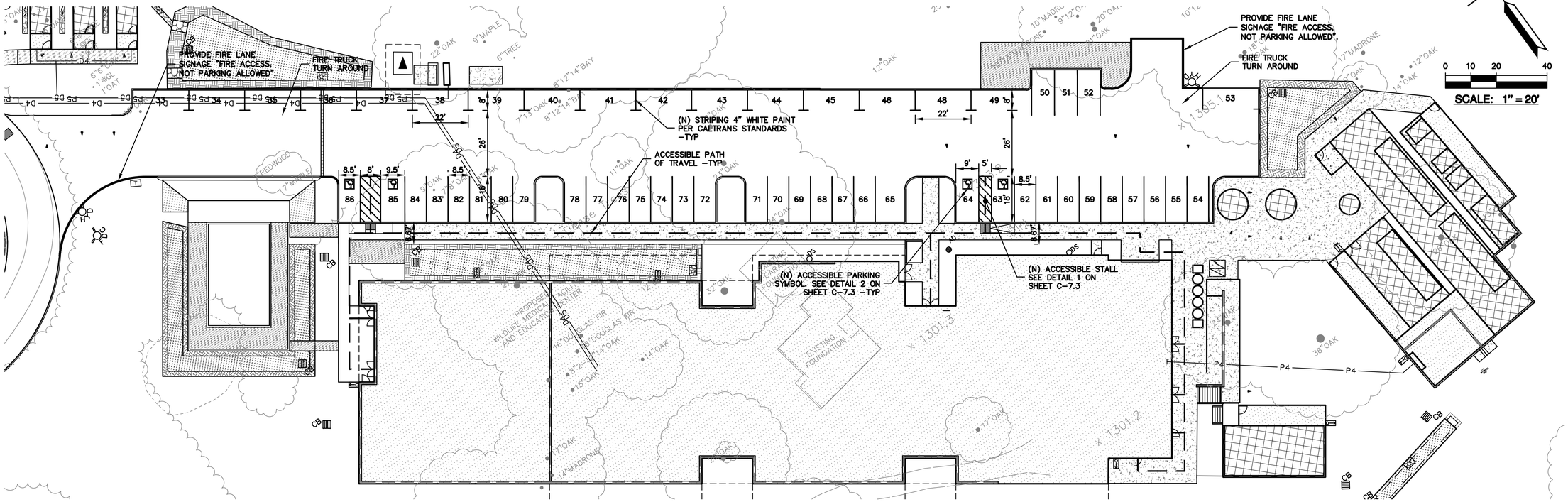
PLOT: 2/16/2021 10:19:42 AM





0 10 20 40

SCALE: 1" = 20'

PARKING STALL COUNT
63 STANDARD STALLS
17 PARALLEL STALLS
6 ACCESSIBLE STALLS
86 TOTAL STALLS

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79333
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
SIGNING & STRIPING PLAN

	SCALE
	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-4.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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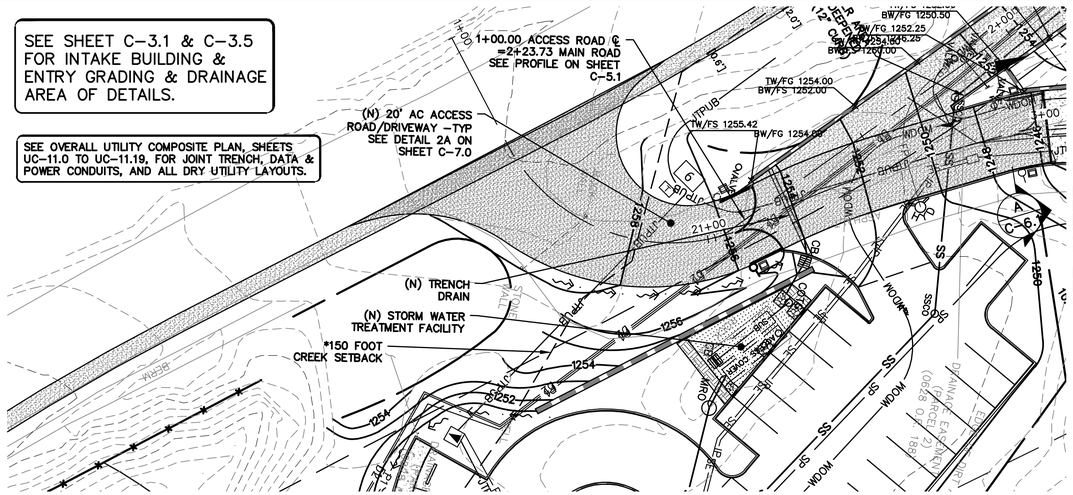
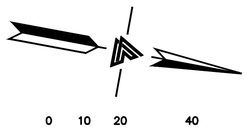
PLOT: 2/16/2021 10:20:23 AM

SEE SHEET C-3.1 & C-3.5 FOR INTAKE BUILDING & ENTRY GRADING & DRAINAGE AREA OF DETAILS.

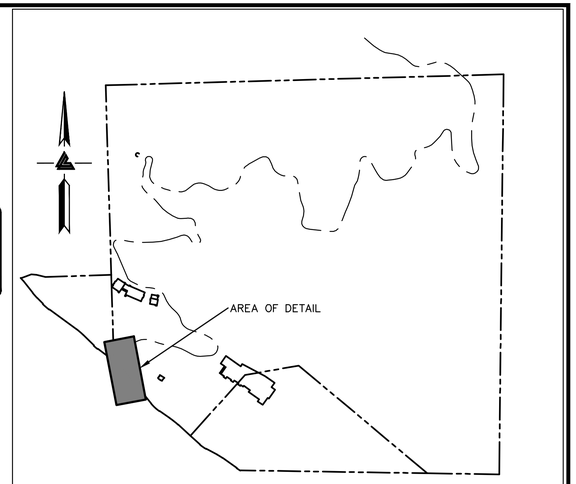
SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.



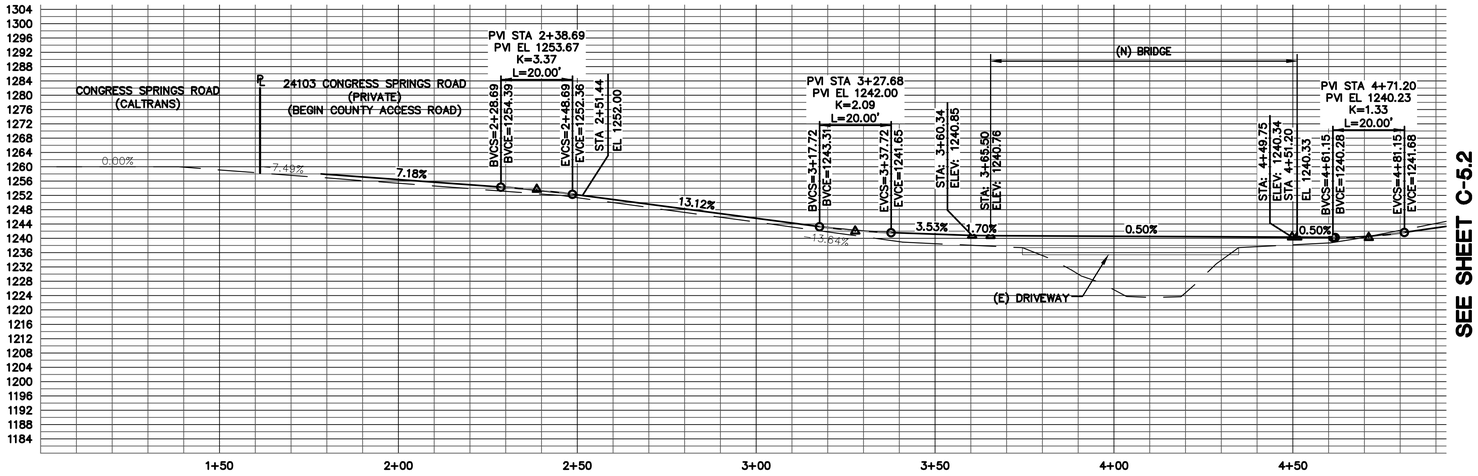


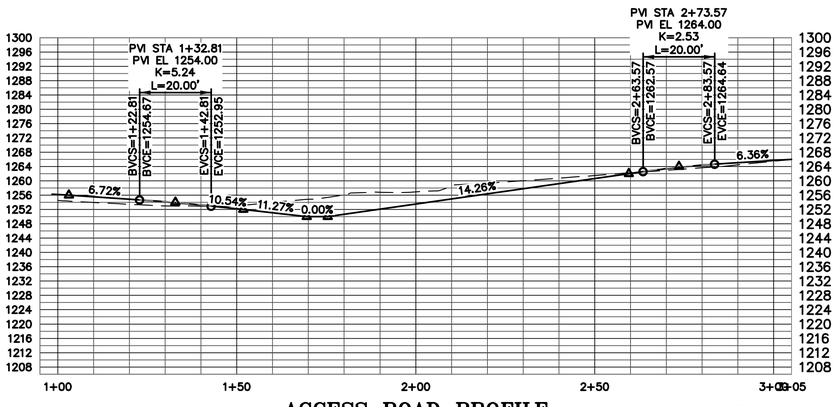
*NOTE:
TOP OF BANK INFORMATION AND 150 FOOT CREEK SETBACK INFORMATION OBTAINED FROM THE BIOLOGICAL RESOURCES ASSESSMENT PERFORMED BY FIRST CARBON SOLUTIONS.

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.



KEYMAP
SCALE: 1" = 500'





ACCESS ROAD PROFILE
SCALE: 1" = 20' HORIZ & VERT

PLAN VIEW
SEE SHEET C-5.2

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING –S.A.D.
- MESH FENCING –S.A.D.
- FIRE TRUCK TURN–AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER CAROLINE JL KWEE No. C79535 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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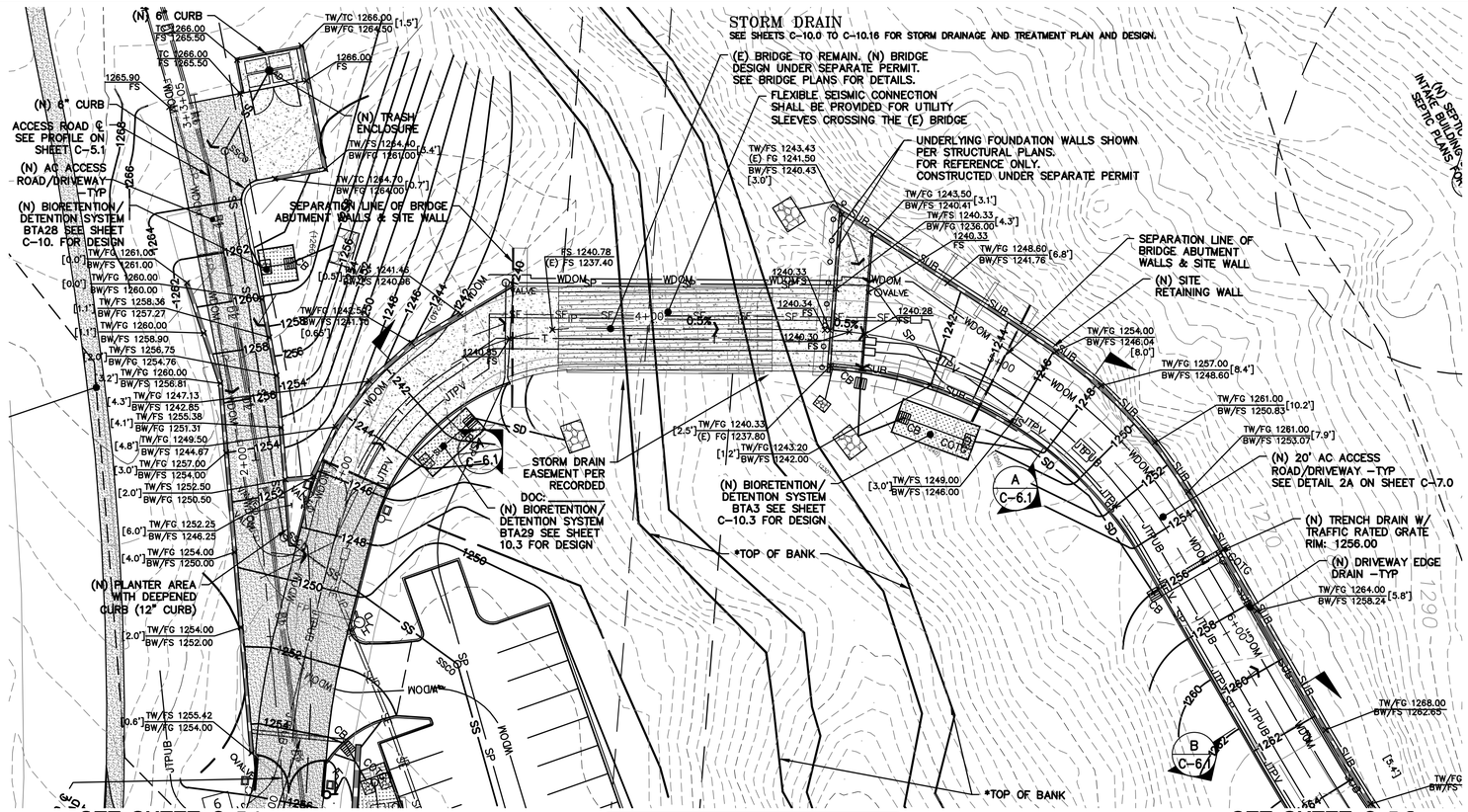

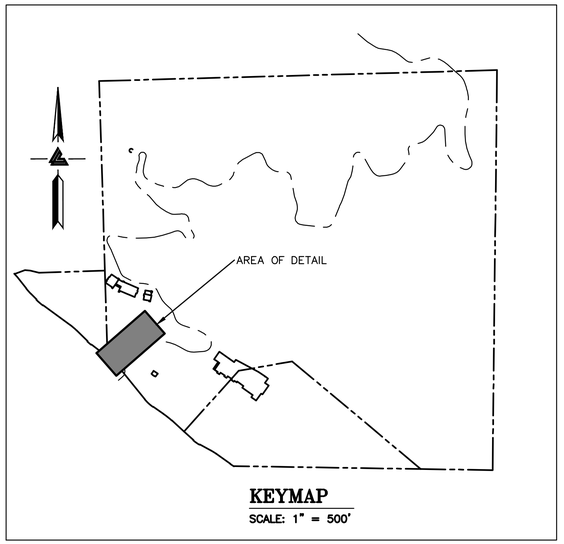

0 10 20 40

SCALE: 1" = 20'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING –S.A.D.
- MESH FENCING –S.A.D.
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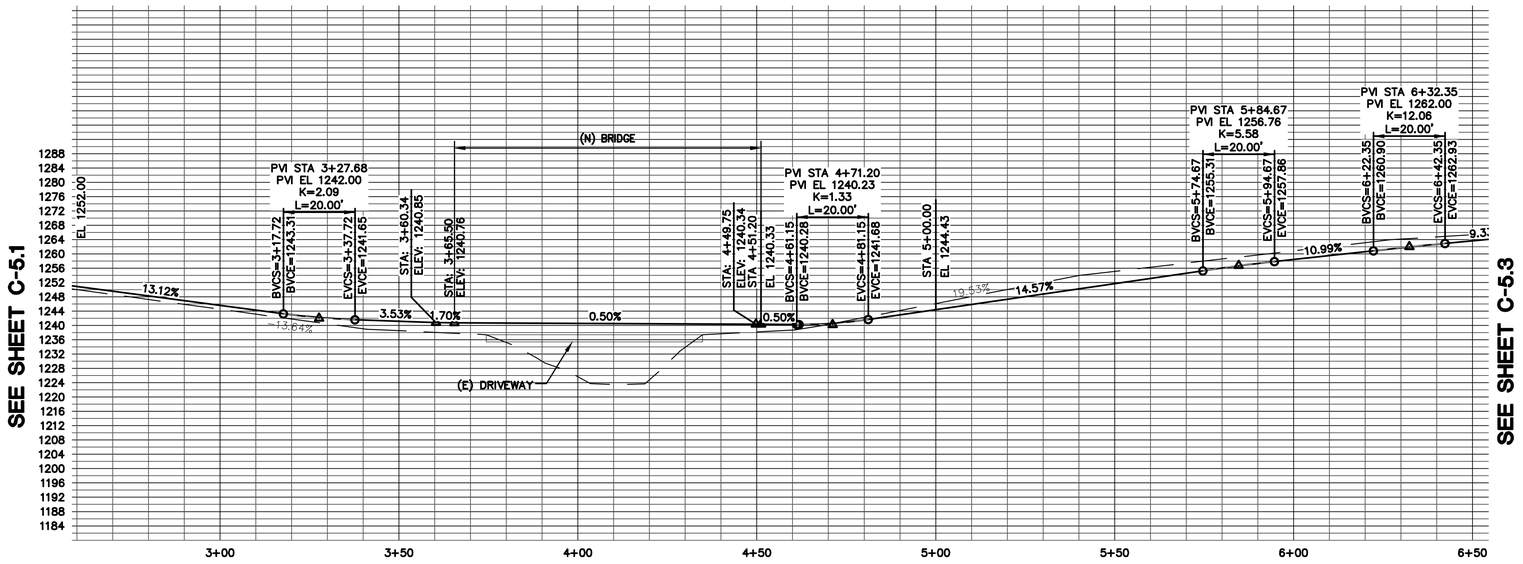

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER CALIFORNIA NO. C79535 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.2

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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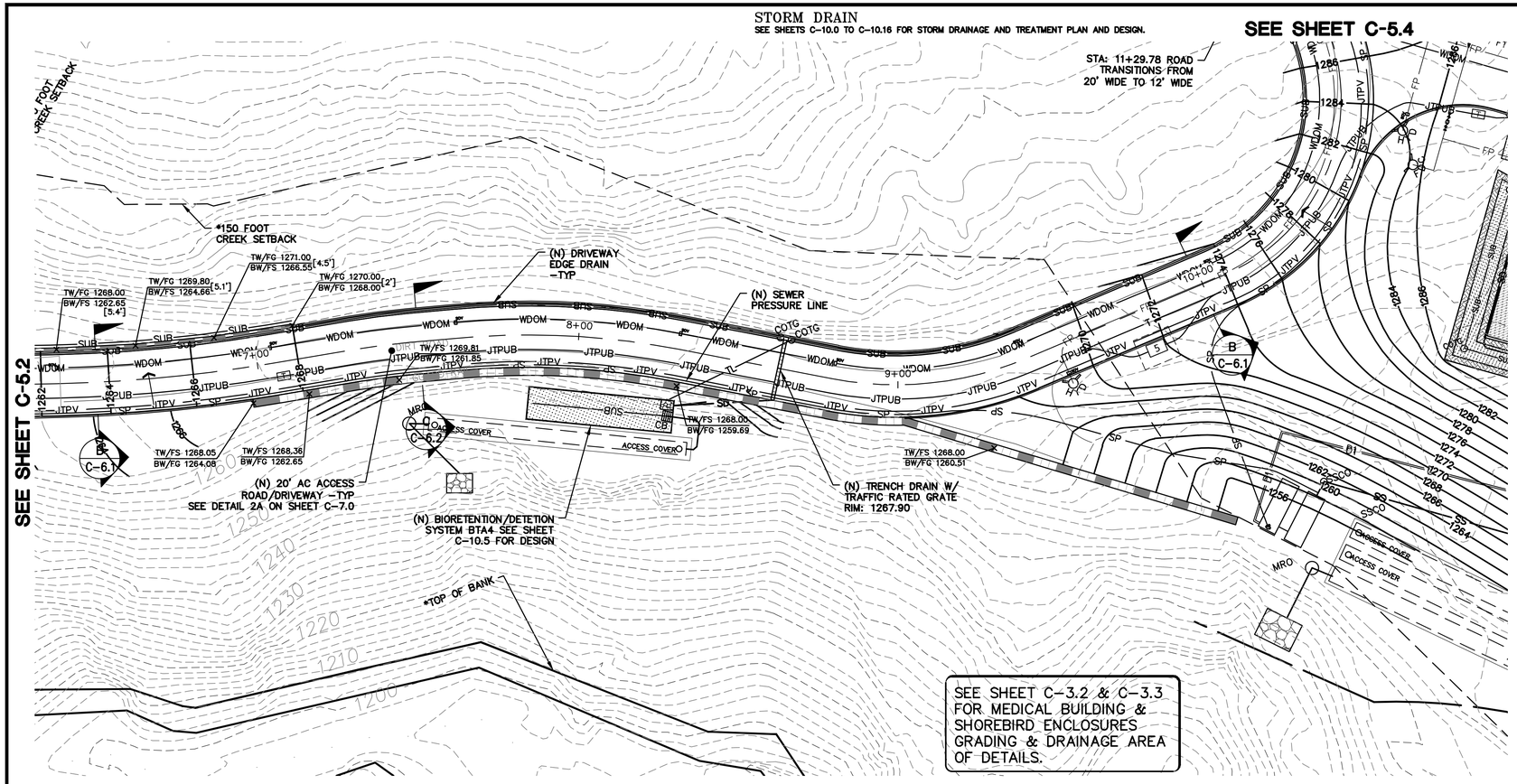
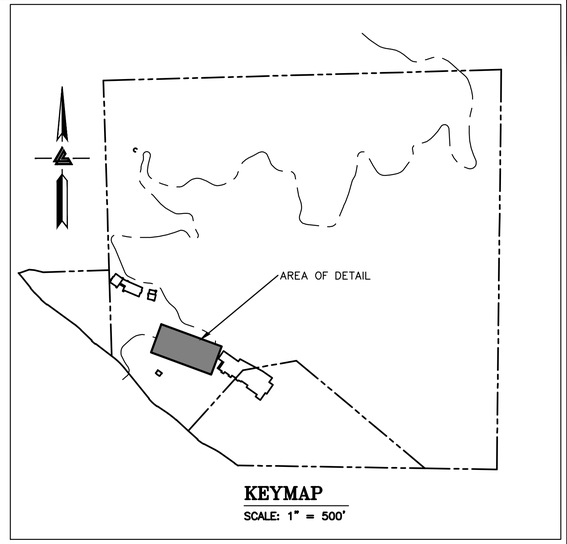
PLOT: 2/16/2021 10:32:15 AM



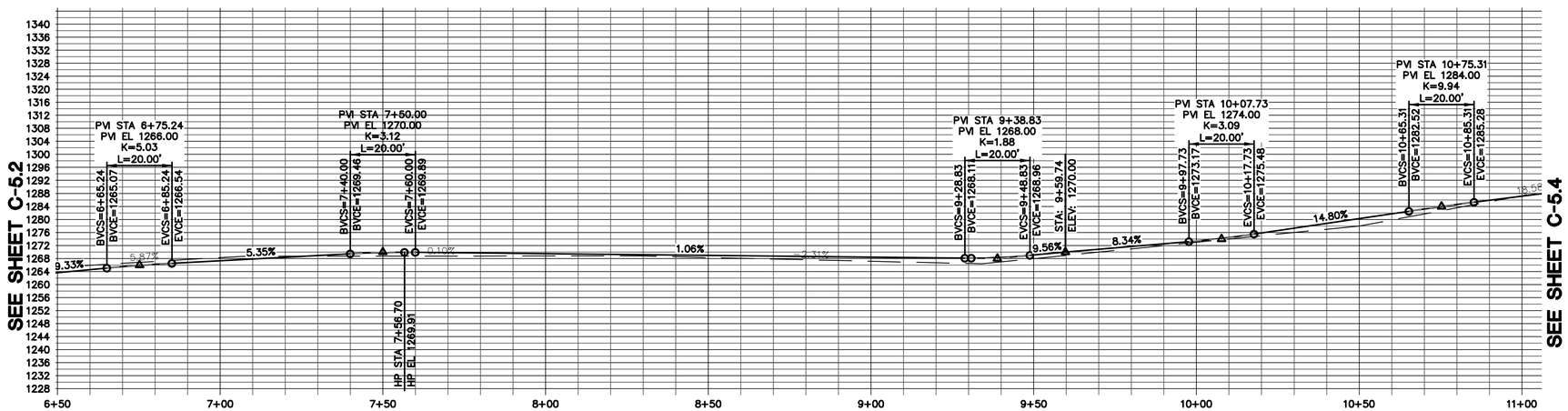


KEYMAP
SCALE: 1" = 500'



SCALE: 1" = 20'

*NOTE:
TOP OF BANK INFORMATION AND 150 FOOT CREEK SETBACK INFORMATION OBTAINED FROM THE BIOLOGICAL RESOURCES ASSESSMENT PERFORMED BY FIRST CARBON SOLUTIONS.



HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLLINO — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

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04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
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08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROADWAY PLAN & PROFILE

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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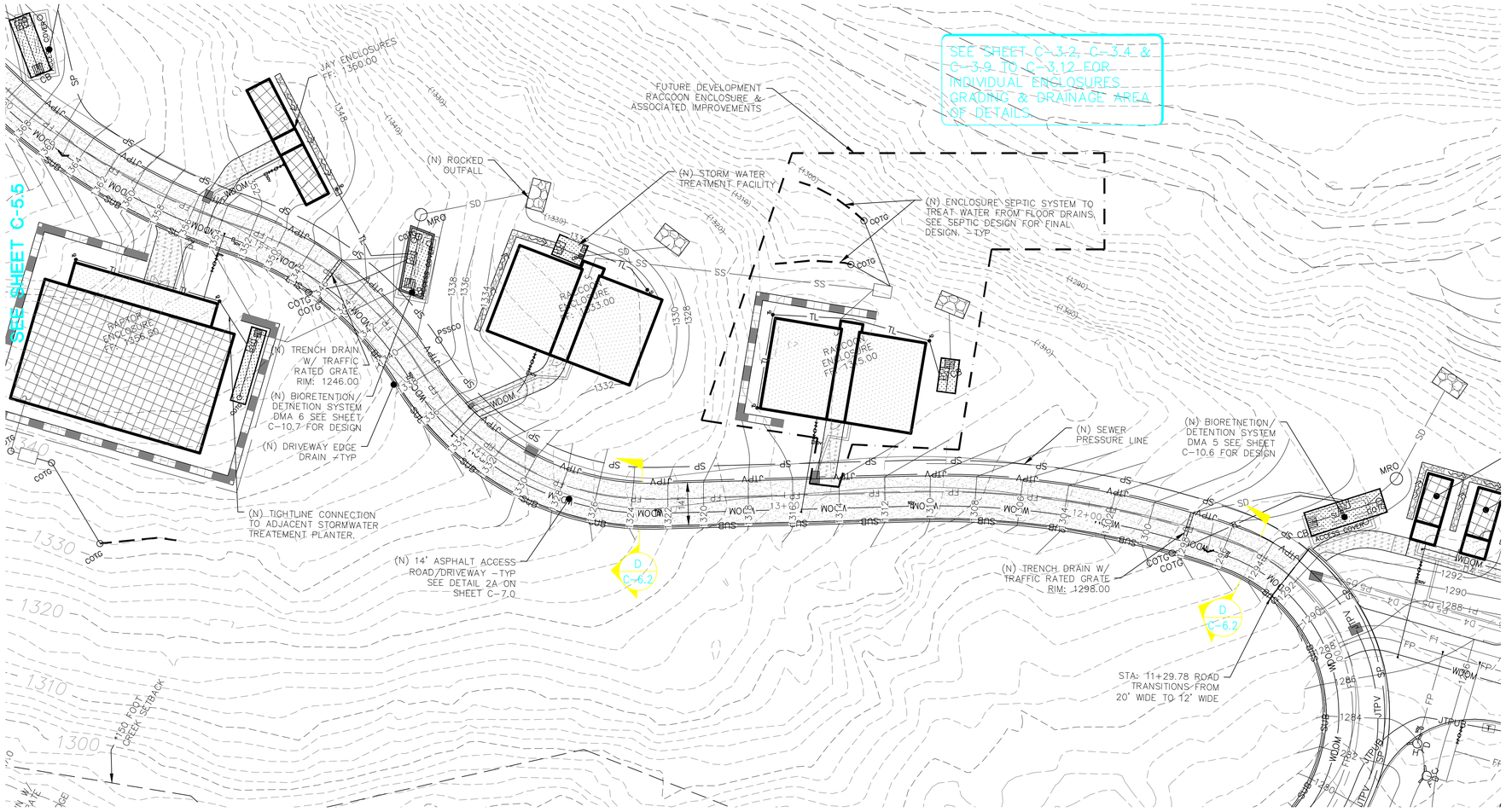
PLOT: 2/16/2021 10:33:16 AM

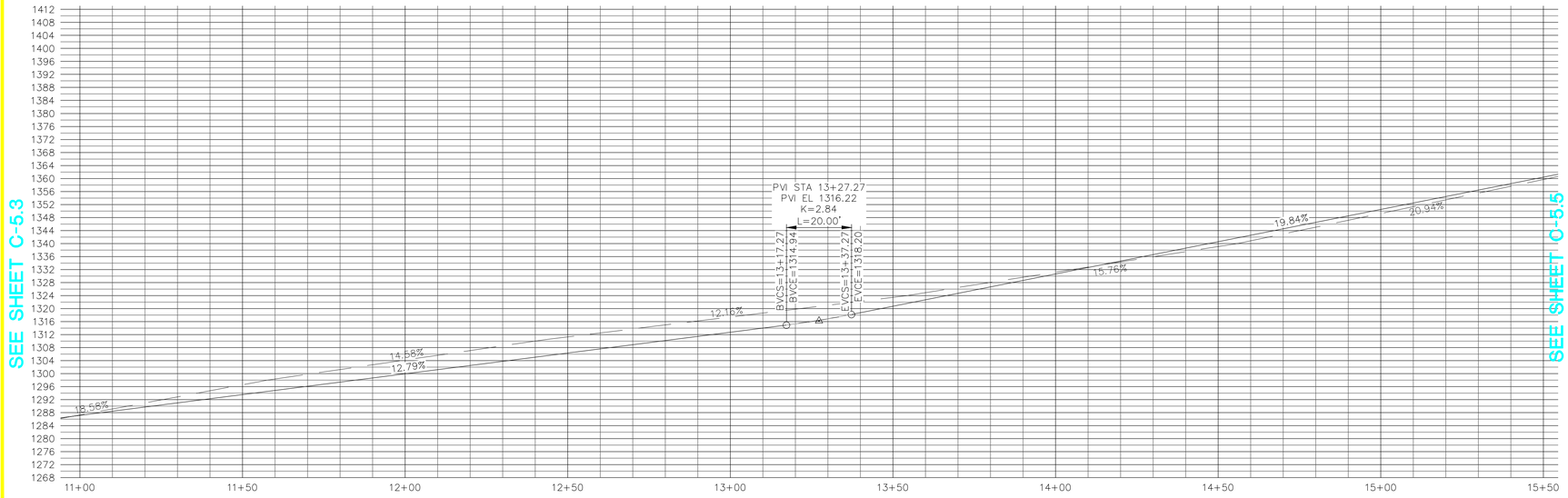
STORM DRAIN

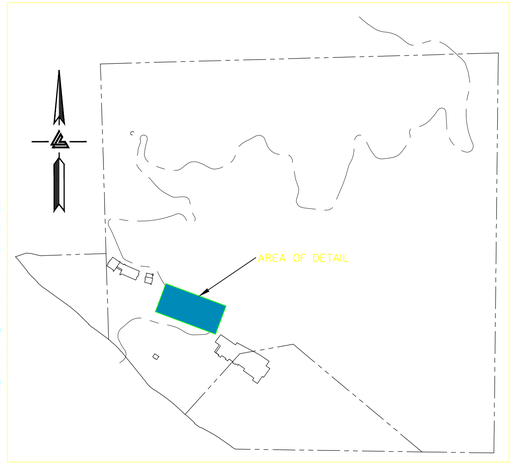
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.



HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")





SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

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PLOT: 2/16/2021 10:34:17 AM

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REGISTERED PROFESSIONAL ENGINEER PETER CARLISLE NO. C79535 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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04-22-19	ASA DELTA 2
05-10-19	BID SET
05-22-19	BID SET ADDENDUM 1
08-06-19	UTILITY PLAN CHECK 1
09-20-19	PHASE 4 - PERMIT SUBMITTAL
01-28-20	CONSTRUCTION SET 1
05-29-20	PERMIT MODIFICATION 2
07-22-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
05-10-21	UTILITY PLAN SUBMITTAL
	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LOE FILE: 6943-17-ITG
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

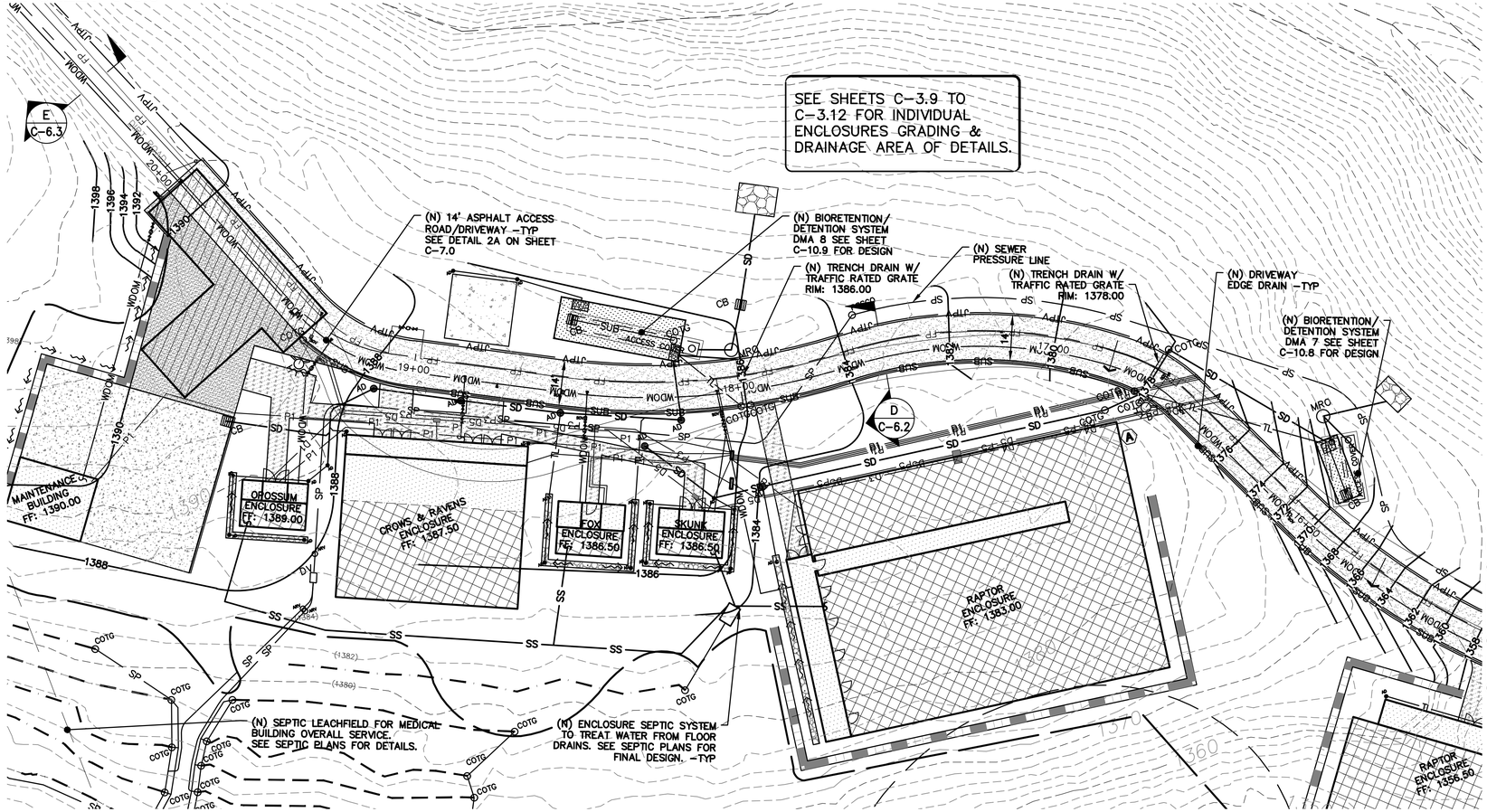
SHEET NUMBER
C-5.4

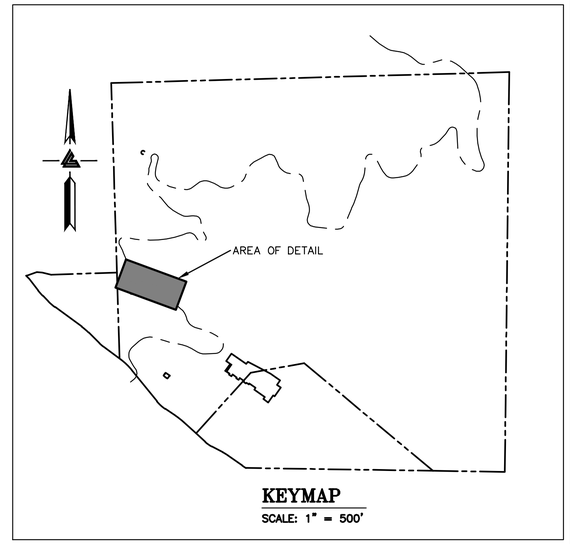
ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

SEE SHEET C-5.6



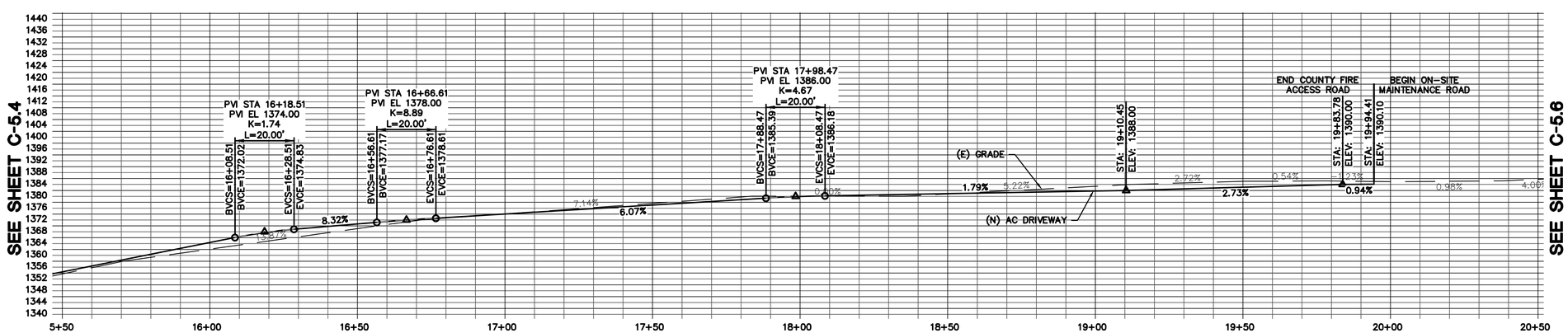


KEYMAP
SCALE: 1" = 500'

0 10 20 40
SCALE: 1" = 20'

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")



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REGISTERED PROFESSIONAL ENGINEER
JENNIFER CARLISLE
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CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

DATE	DESCRIPTION
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.5

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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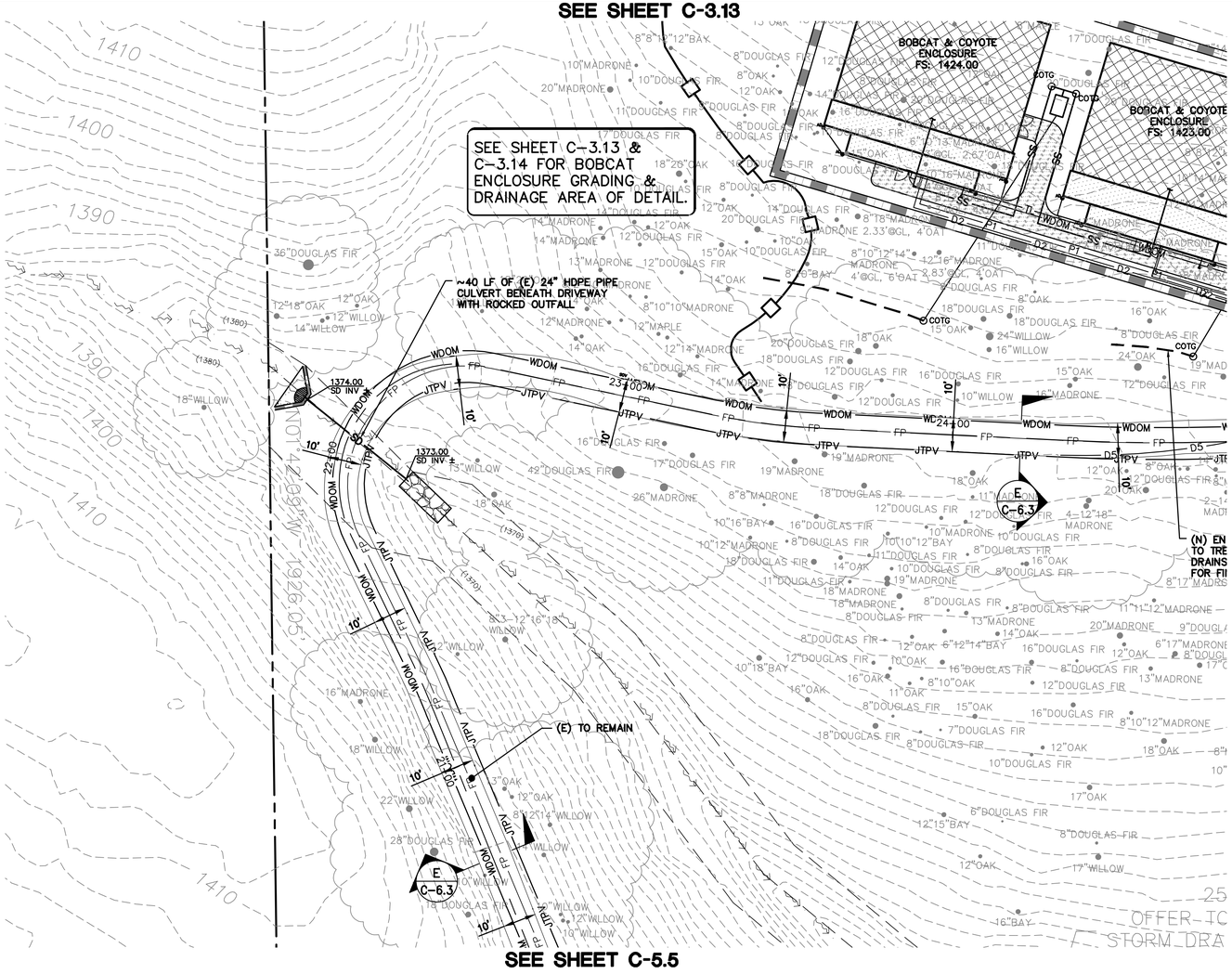

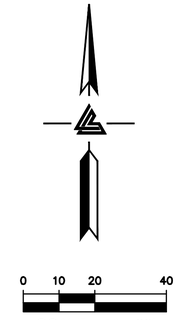

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
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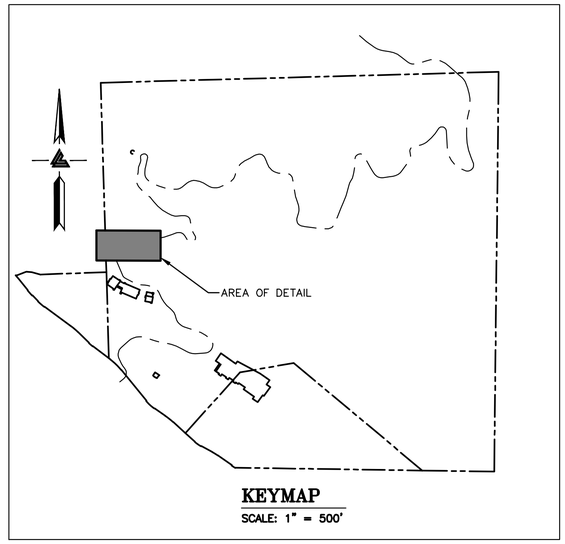
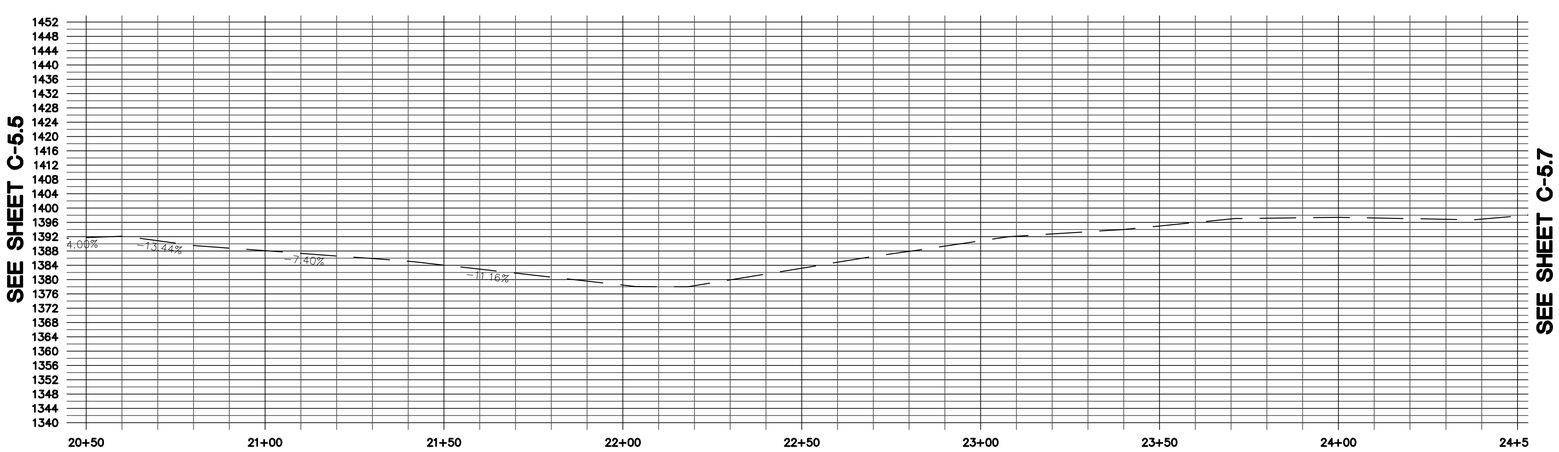


KEYMAP
SCALE: 1" = 500'

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC–11.0 TO UC–11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.



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ISSUES AND REVISIONS

DATE	DESCRIPTION
09–06–18	GRADING PERMIT PLAN CHECK 4
12–21–18	PERMIT RESUBMITTAL
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09–20–19	CONSTRUCTION SET 1
01–28–20	PERMIT MODIFICATION 2
05–29–20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07–22–20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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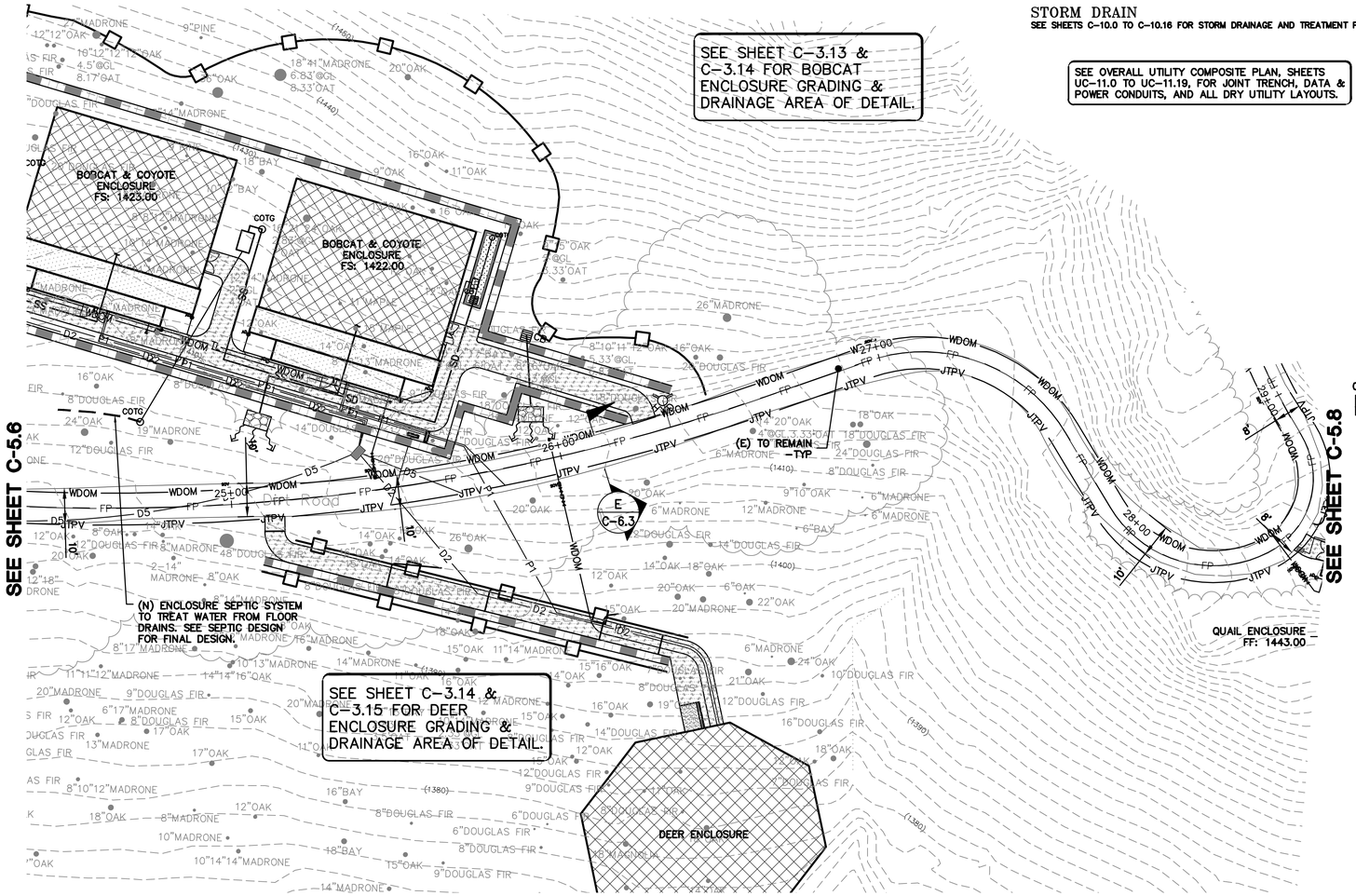
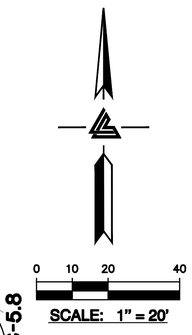
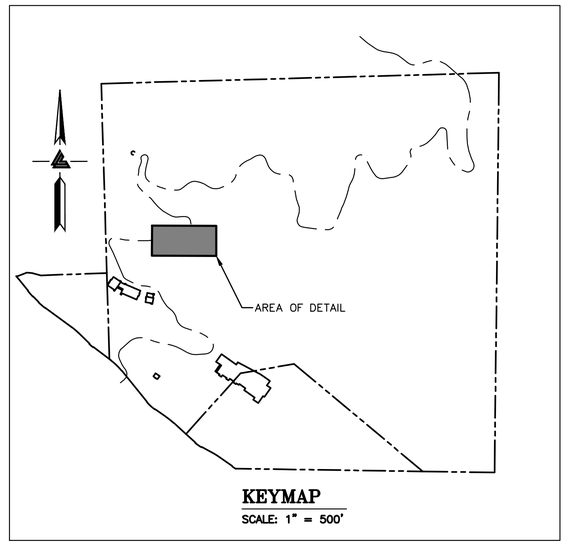
PLOT: 2/16/2021 10:39:24 AM

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

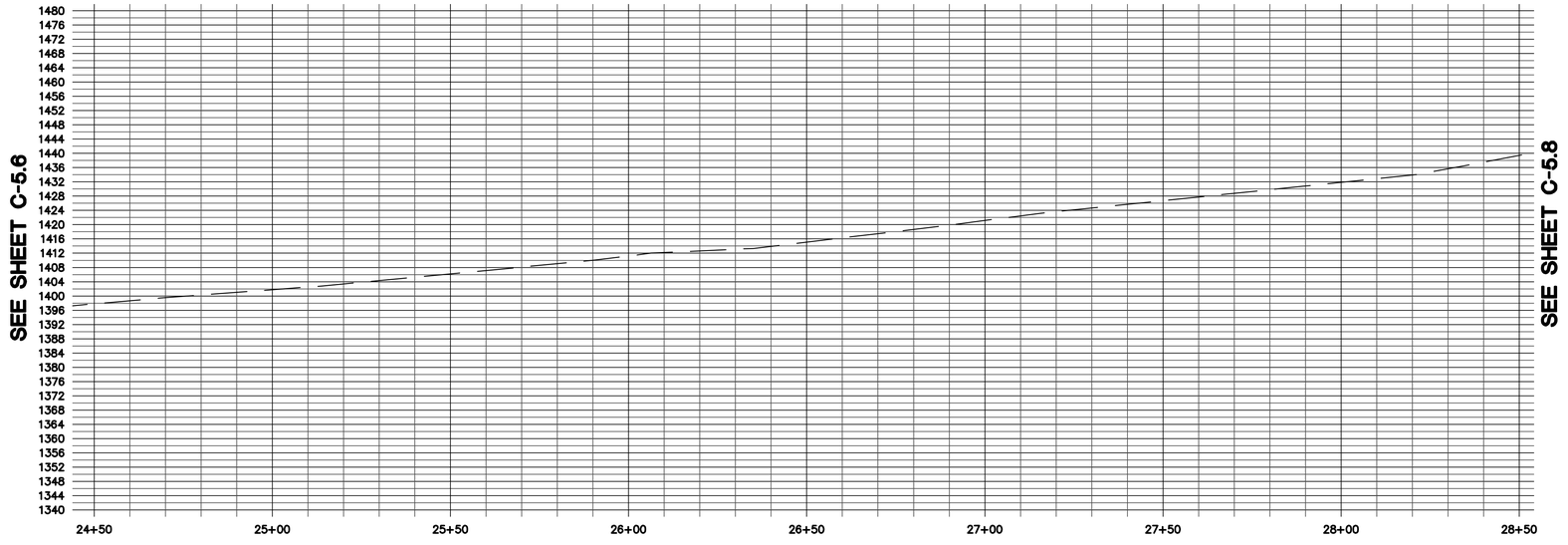
SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.







KEYMAP
SCALE: 1" = 500'



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HATCH LEGEND

- ASPHALT CONCRETE
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.7

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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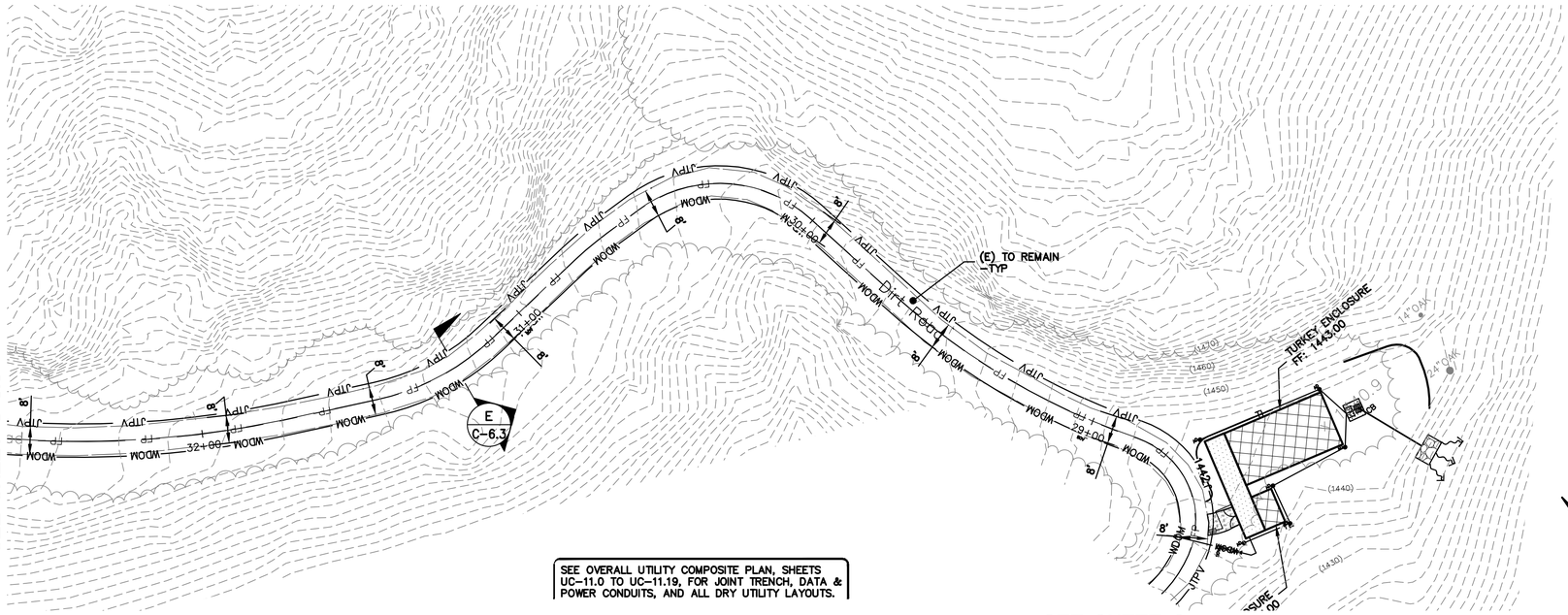
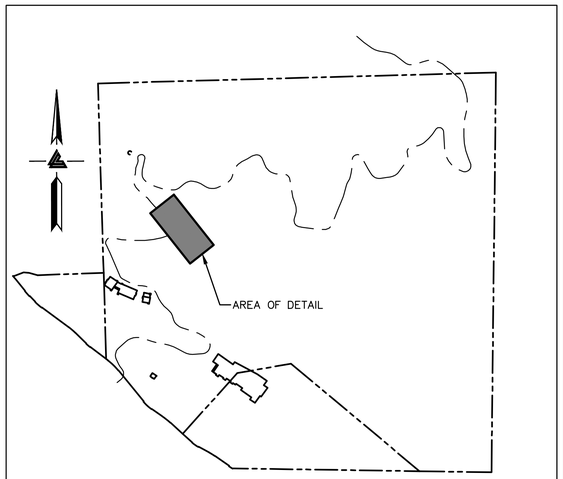
PLOT: 2/16/2021 10:40:44 AM

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

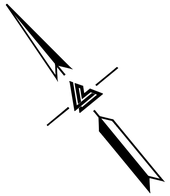


SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

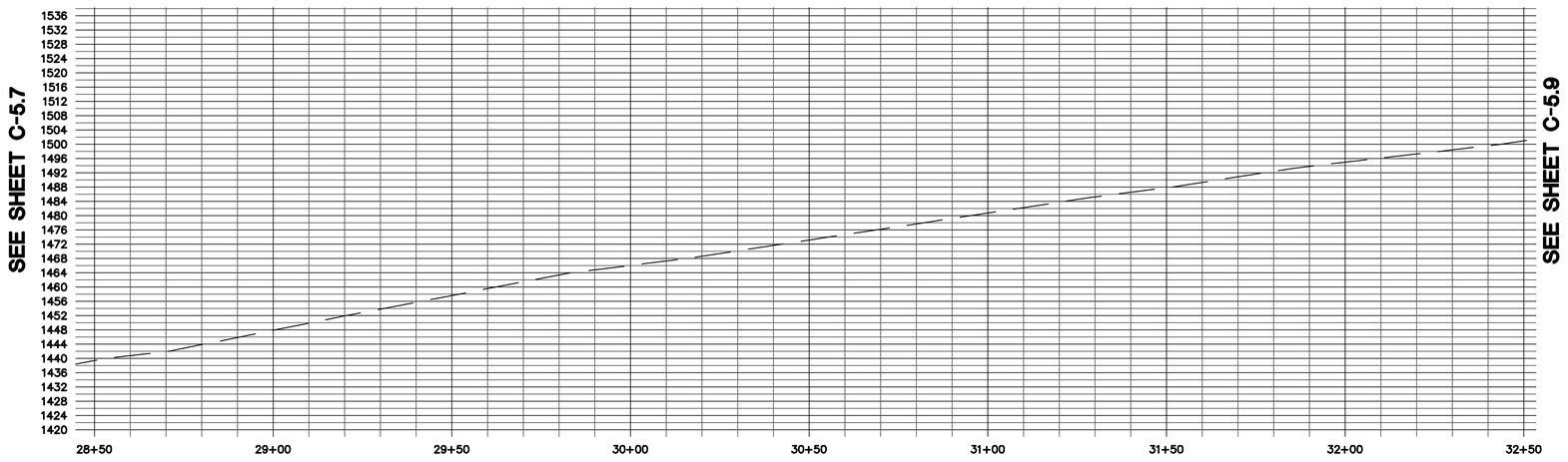
SEE SHEET C-3.16 FOR TURKEY ENCLOSURE GRADING & DRAINAGE AREA OF DETAIL.



KEYMAP
SCALE: 1" = 500'



SCALE: 1" = 20'



SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
- MESH FENCING -S.A.D.
- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
- REDWOOD HEADER BOARD (12" X 2")

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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(P) (916)966-1338
(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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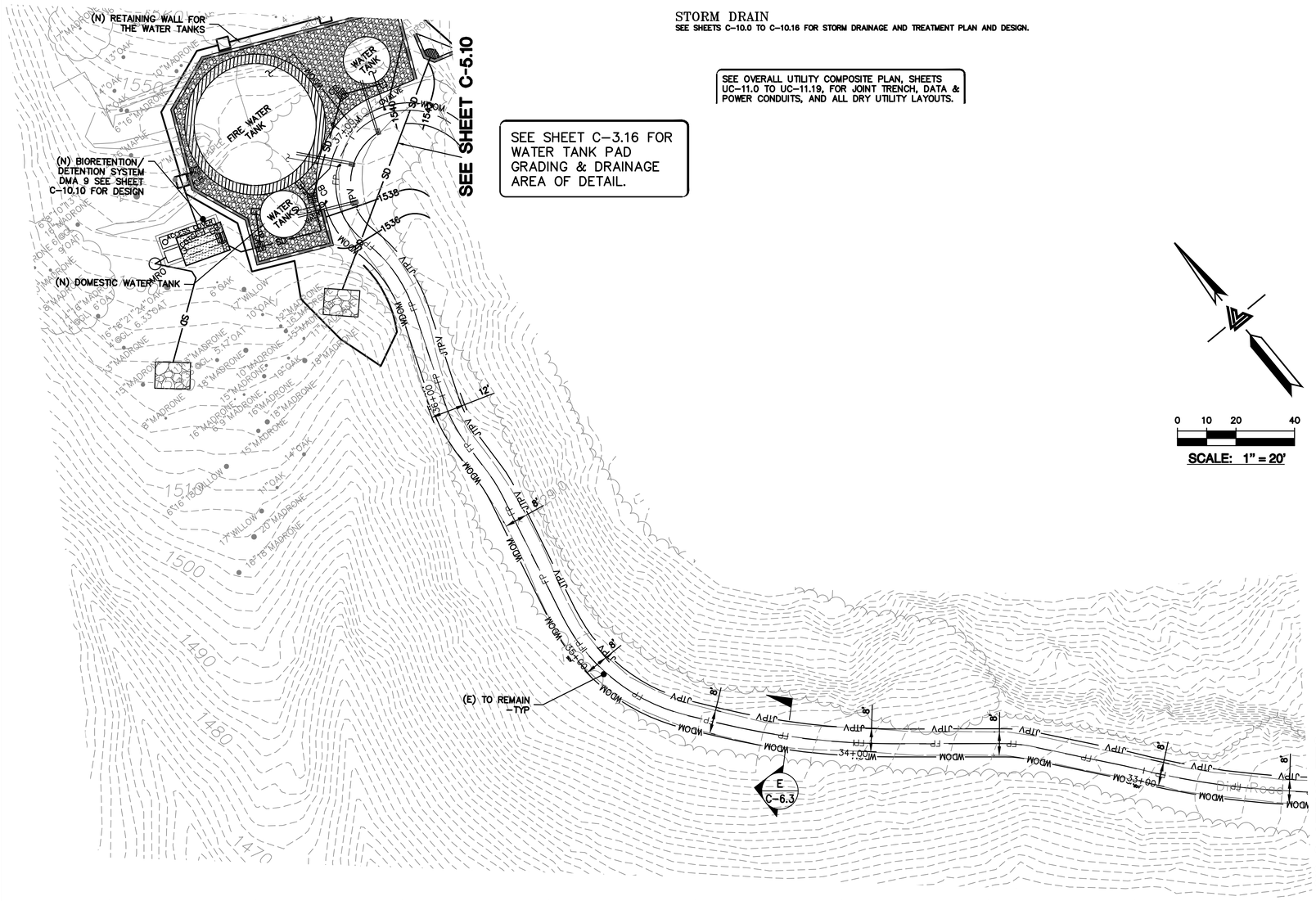
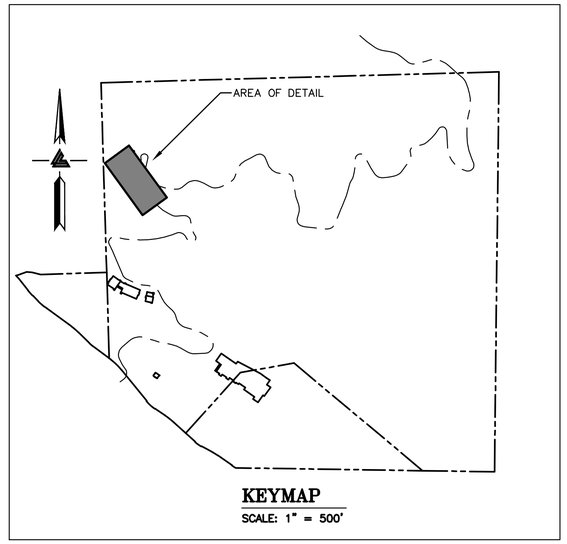
PLOT: 2/16/2021 10:42:14 AM

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.

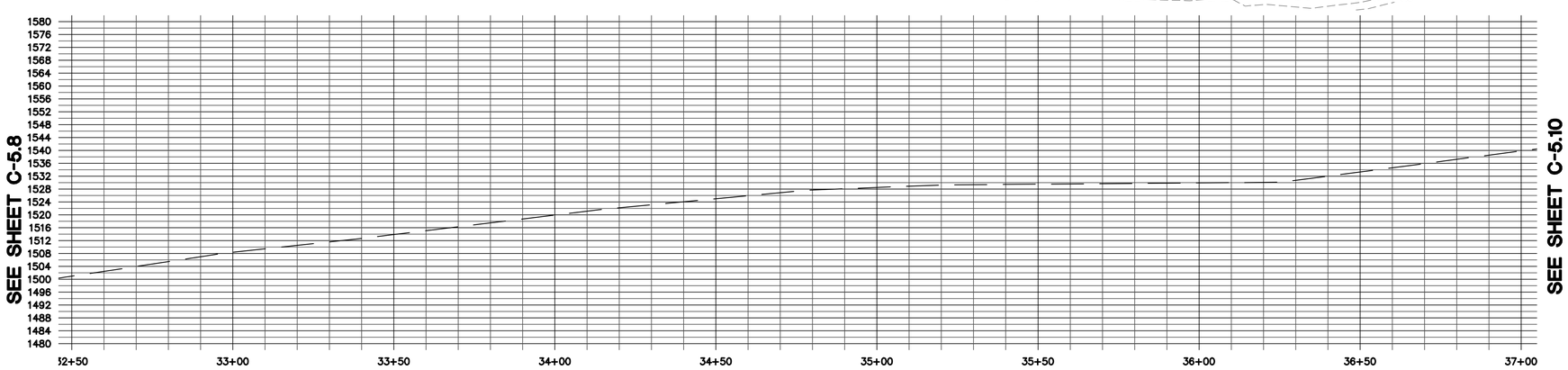
SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

SEE SHEET C-3.16 FOR WATER TANK PAD GRADING & DRAINAGE AREA OF DETAIL.





KEYMAP
SCALE: 1" = 500'



HATCH LEGEND

- ASPHALT CONCRETE
- CONCRETE
- GRAVEL PAVING
- DECOMPOSED GRANITE (PERVIOUS)
- WOOD DECK
- BUILDING -S.A.D.
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- FIRE TRUCK TURN-AROUND
- DECOMPOSED GRANITE (IMPERVIOUS)
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REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.9

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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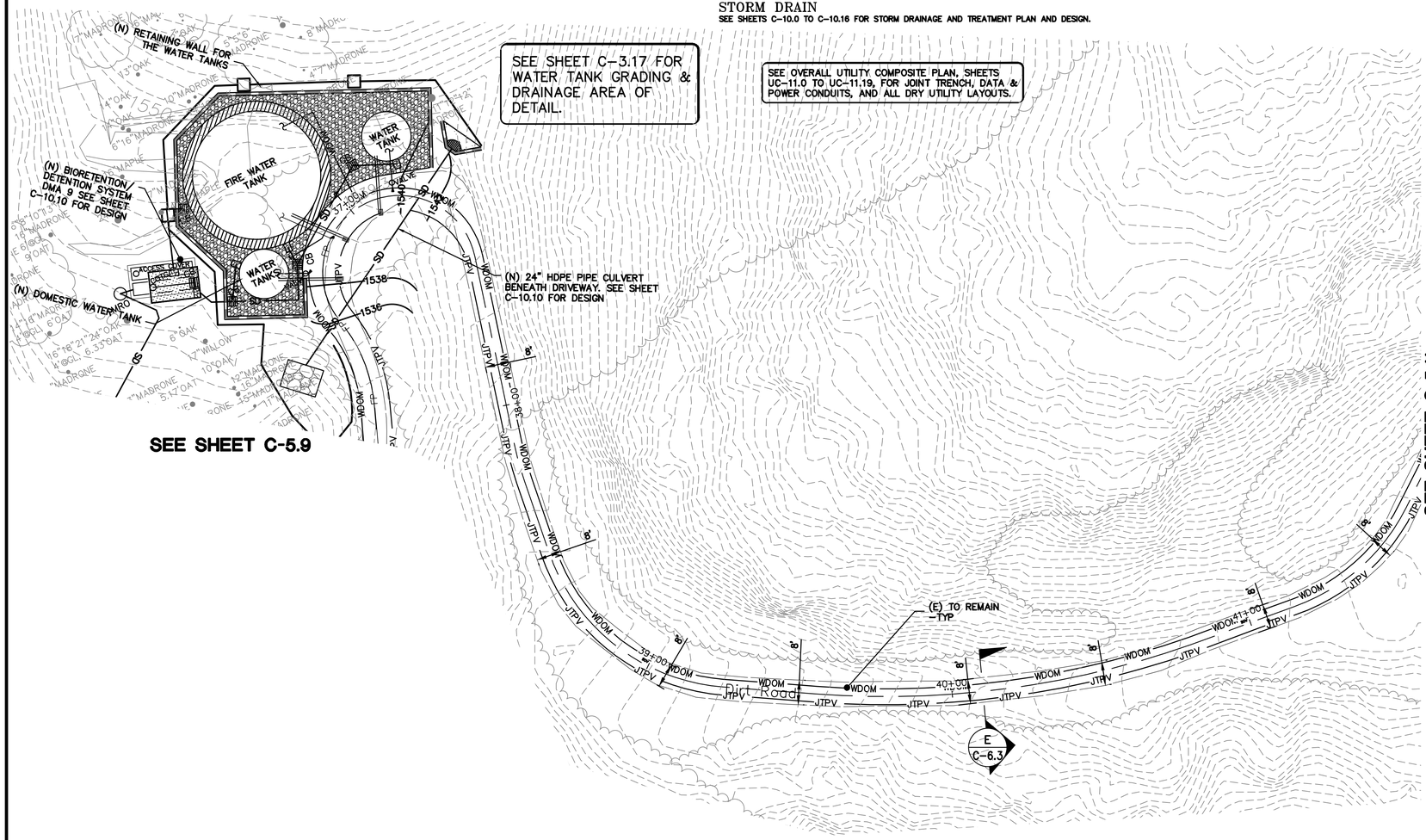
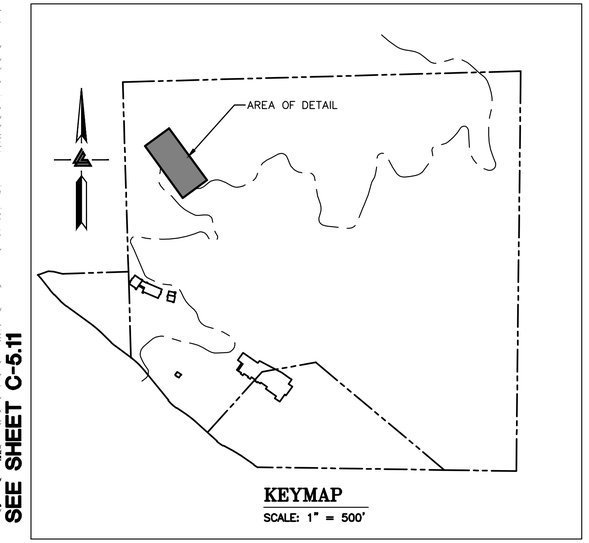
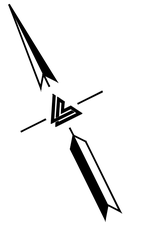
PLOT: 2/16/2021 10:43:29 AM

STORM DRAIN
SEE SHEETS C-10.0 TO C-10.16 FOR STORM DRAINAGE AND TREATMENT PLAN AND DESIGN.







HATCH LEGEND

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- WOOD DECK
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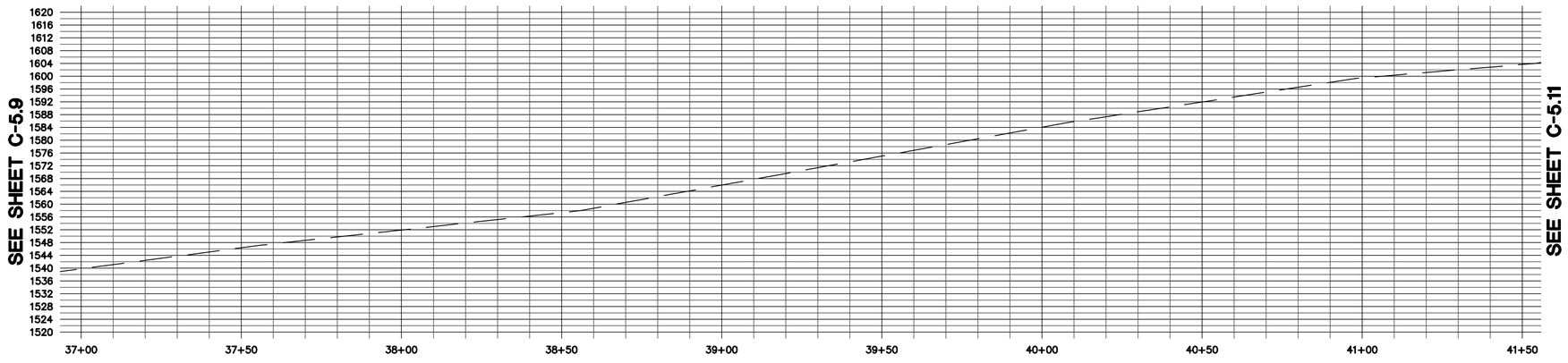

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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REGISTERED PROFESSIONAL ENGINEER — PETER CARLLINO — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.10

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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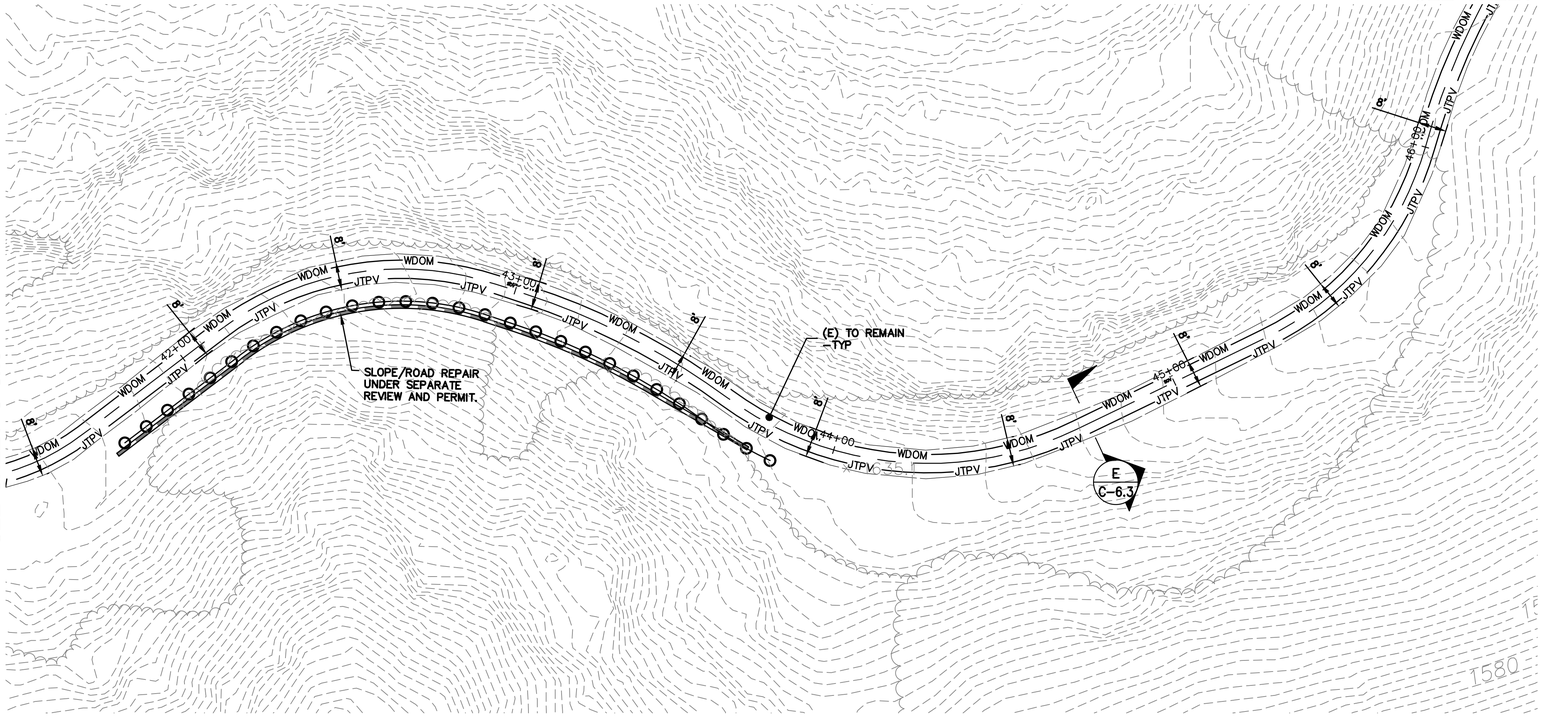
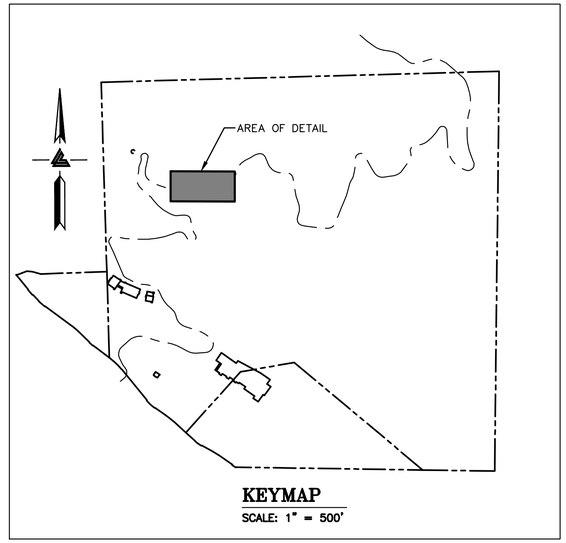
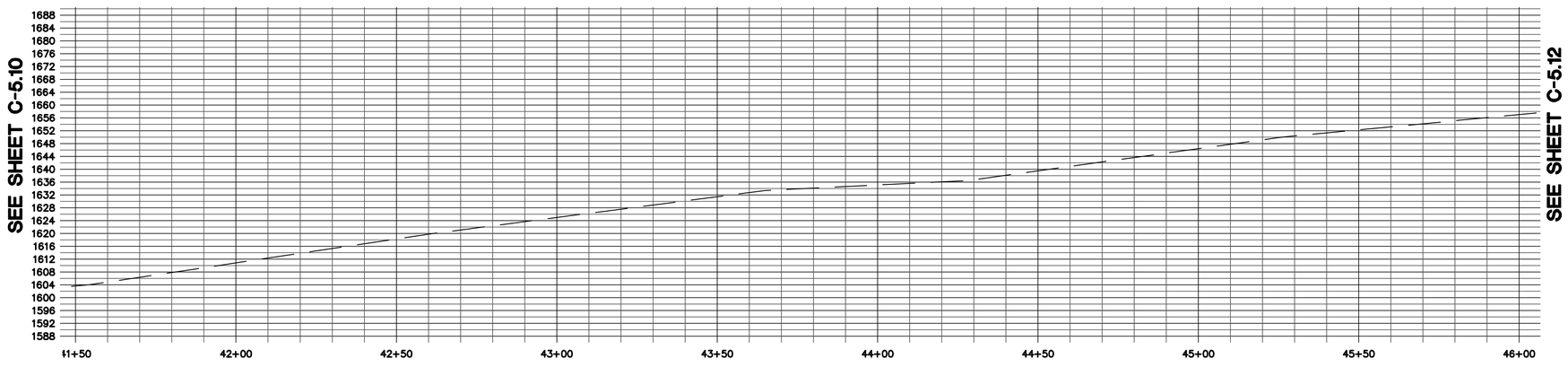




KEYMAP
SCALE: 1" = 500'

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

0 10 20 40
SCALE: 1" = 20'



ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
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SANTA CLARA COUNTY RECORD INFORMATION
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GRADING PERMIT: DEV19-1838
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PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.11

ASA/USE PERMIT MODIFICATION #3
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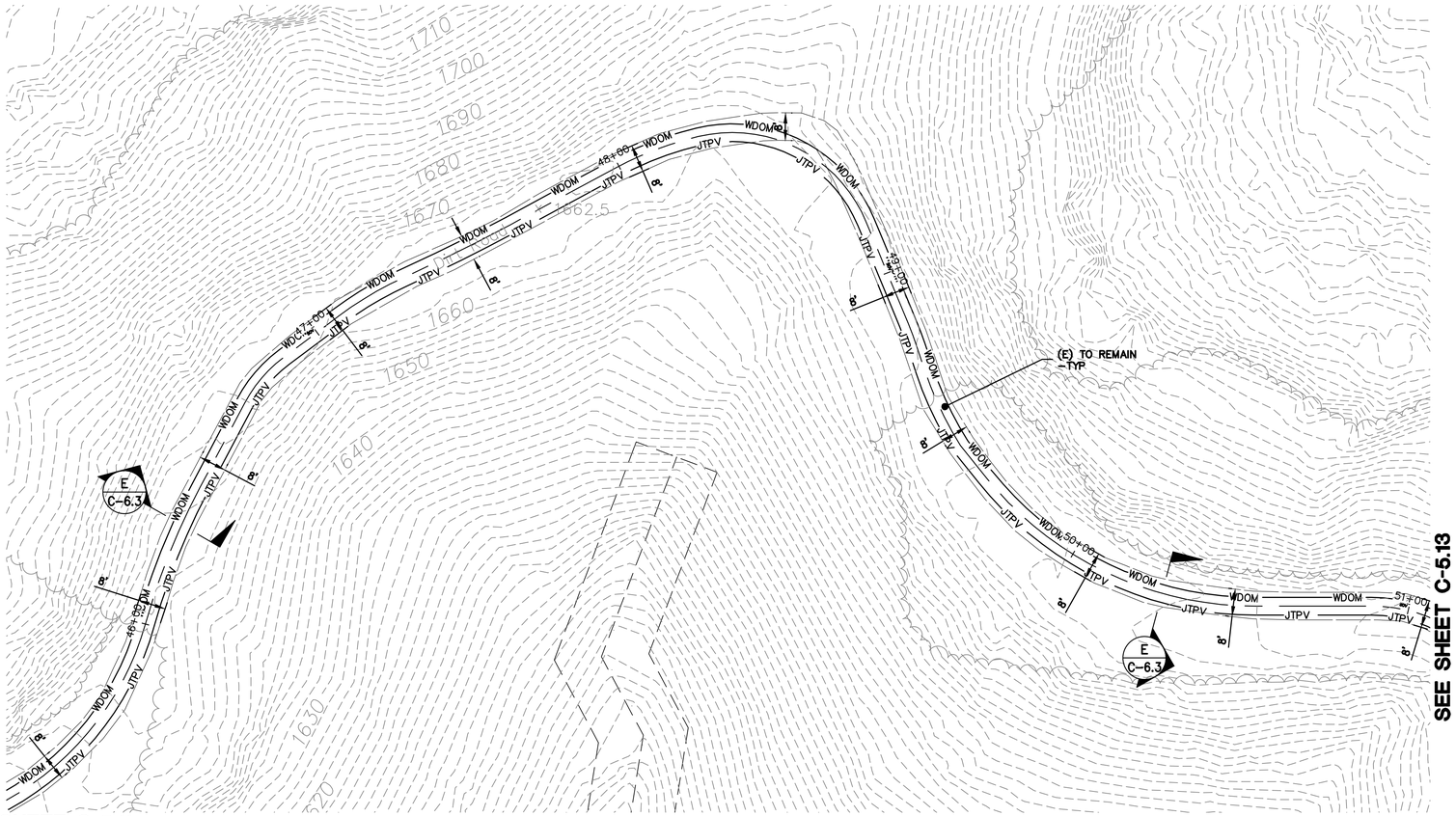
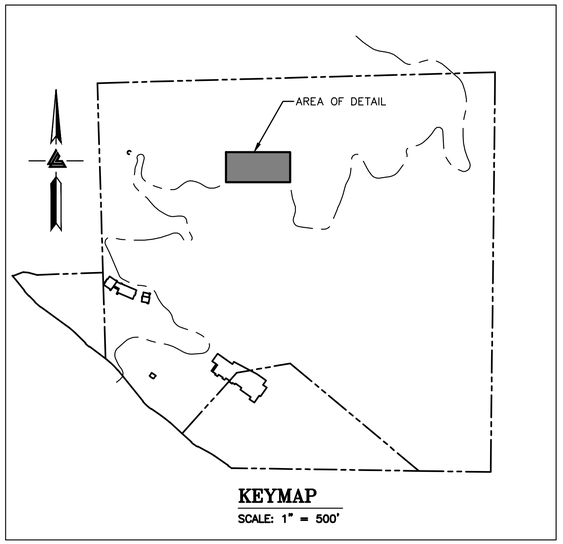
PLOT: 2/16/2021 10:48:32 AM

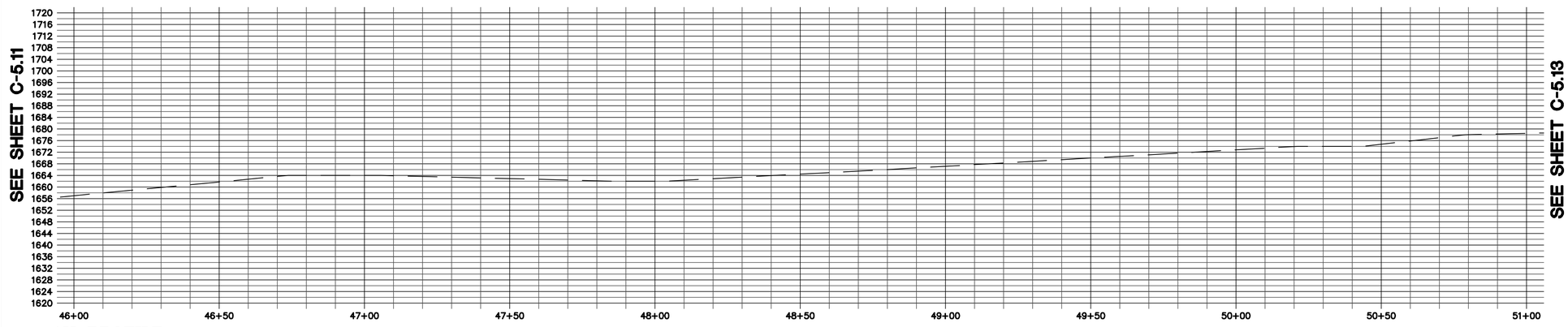




SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.

0 10 20 40

SCALE: 1" = 20'



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SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
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LB Job No.	2130712

SHEET NUMBER
C-5.12

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PLOT: 2/16/2021 10:49:45 AM

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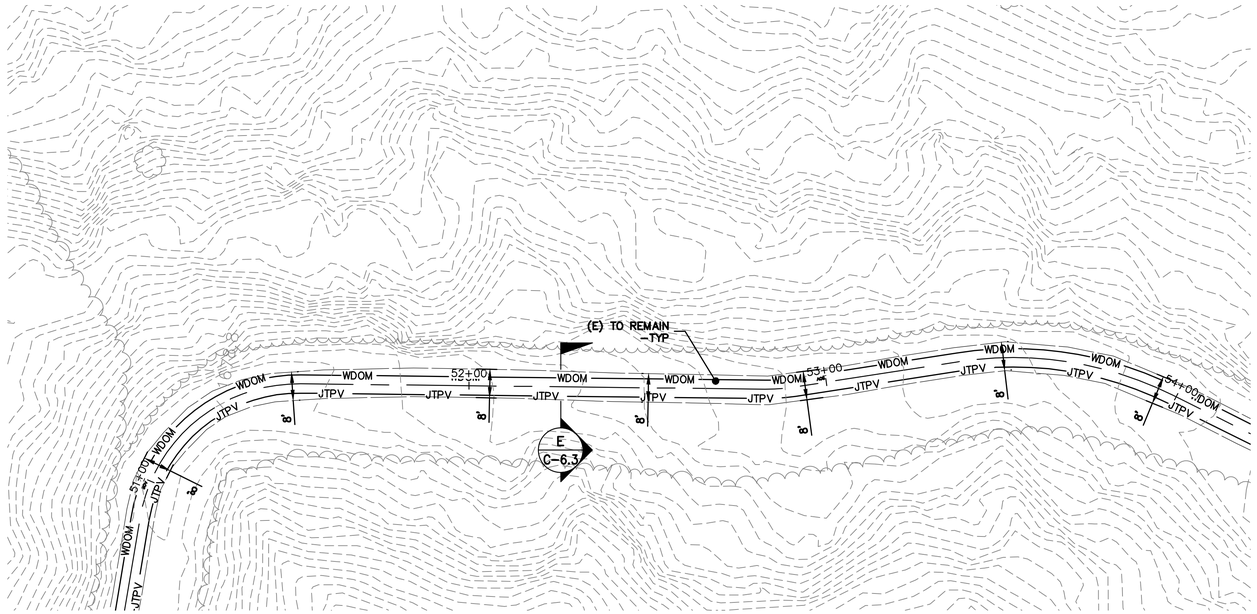
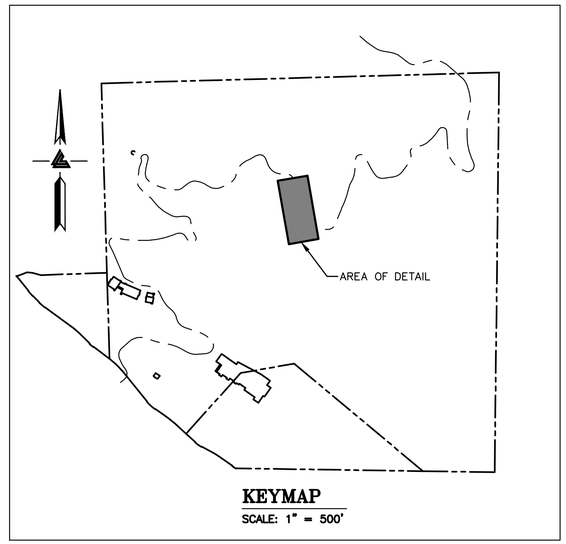


SEE SHEET C-5.12

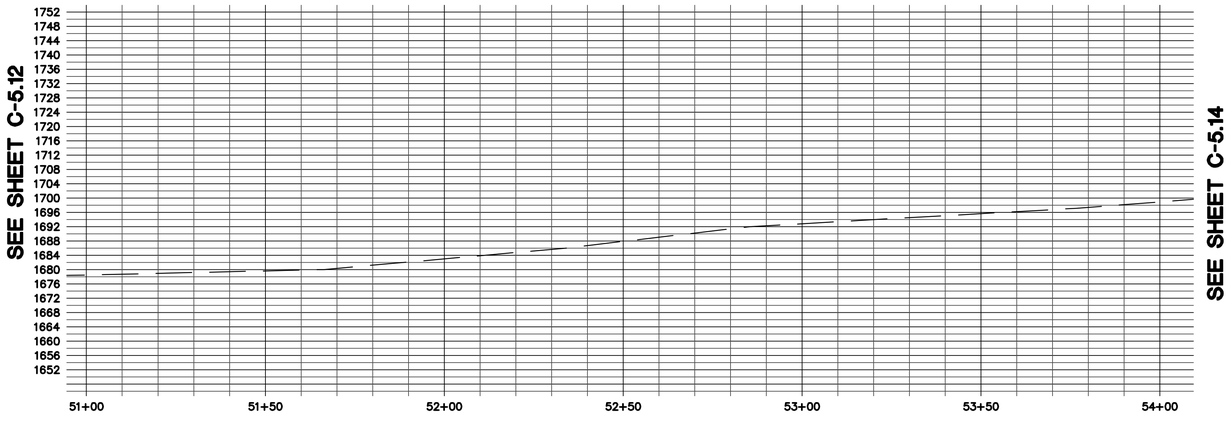
SEE SHEET C-5.14



KEYMAP
SCALE: 1" = 500'

0 10 20 40

SCALE: 1" = 20'



SEE SHEET C-5.12

SEE SHEET C-5.14

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ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE	1" = 20'
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LB Job No.	2130712

SHEET NUMBER
C-5.13

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PLOT: 2/16/2021 10:50:57 AM

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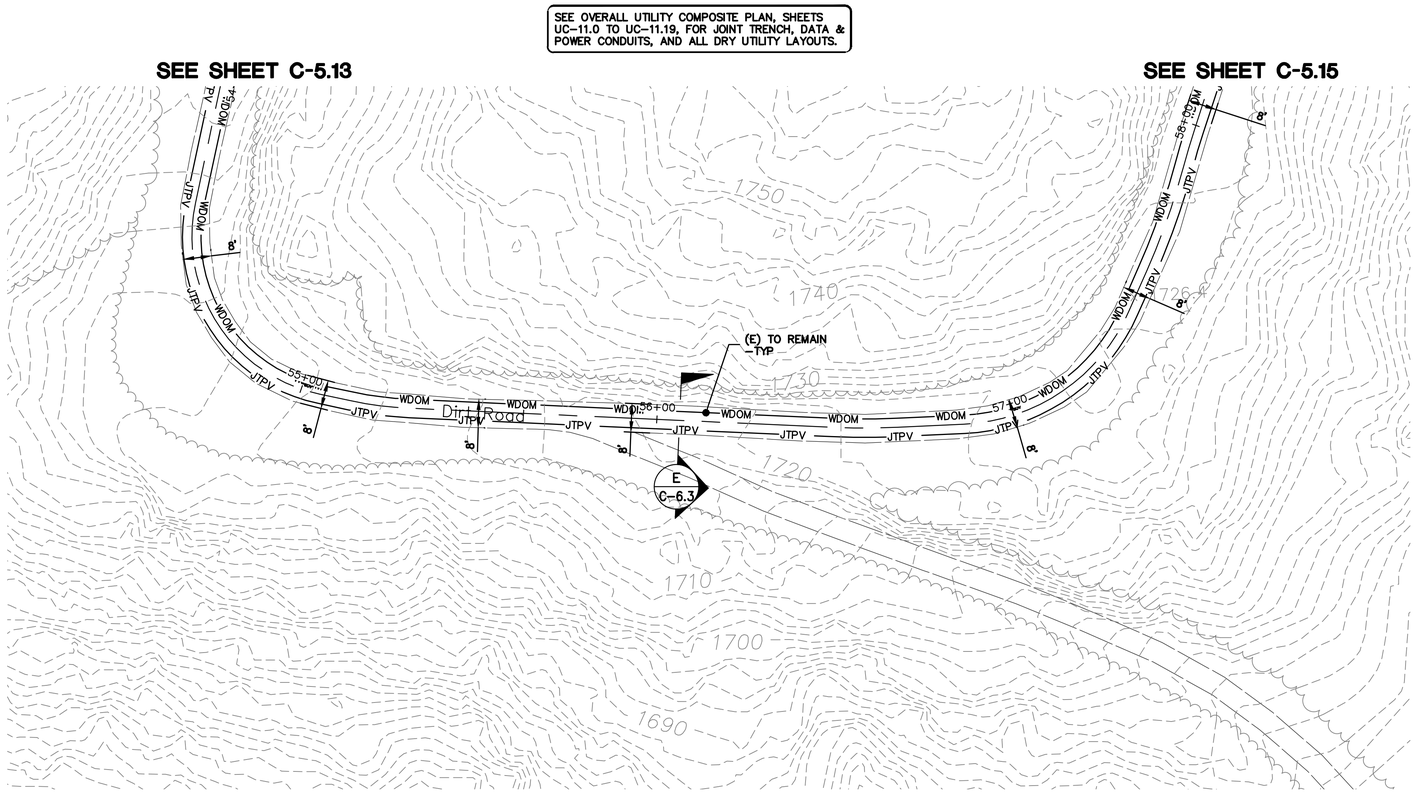

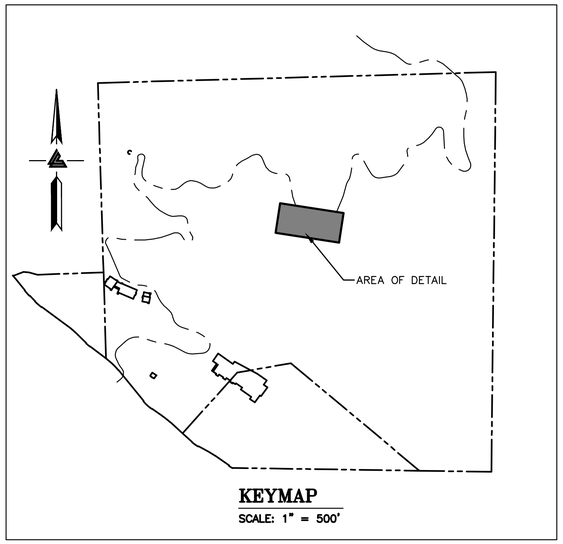

KEYMAP
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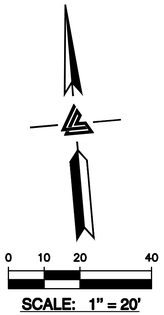
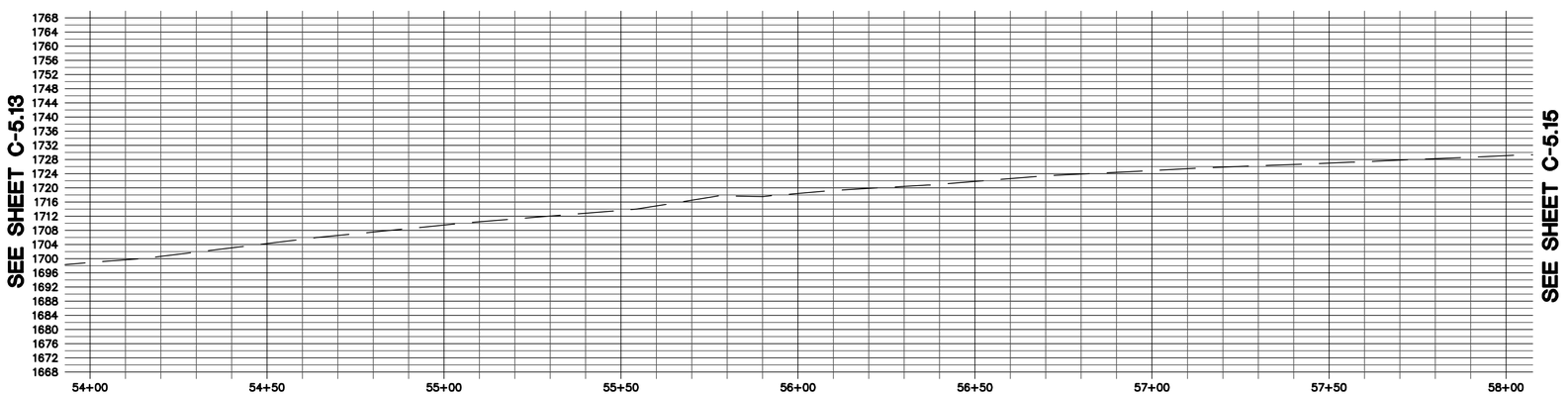


0 10 20 40

SCALE: 1" = 20'



ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE

ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER

C-5.14

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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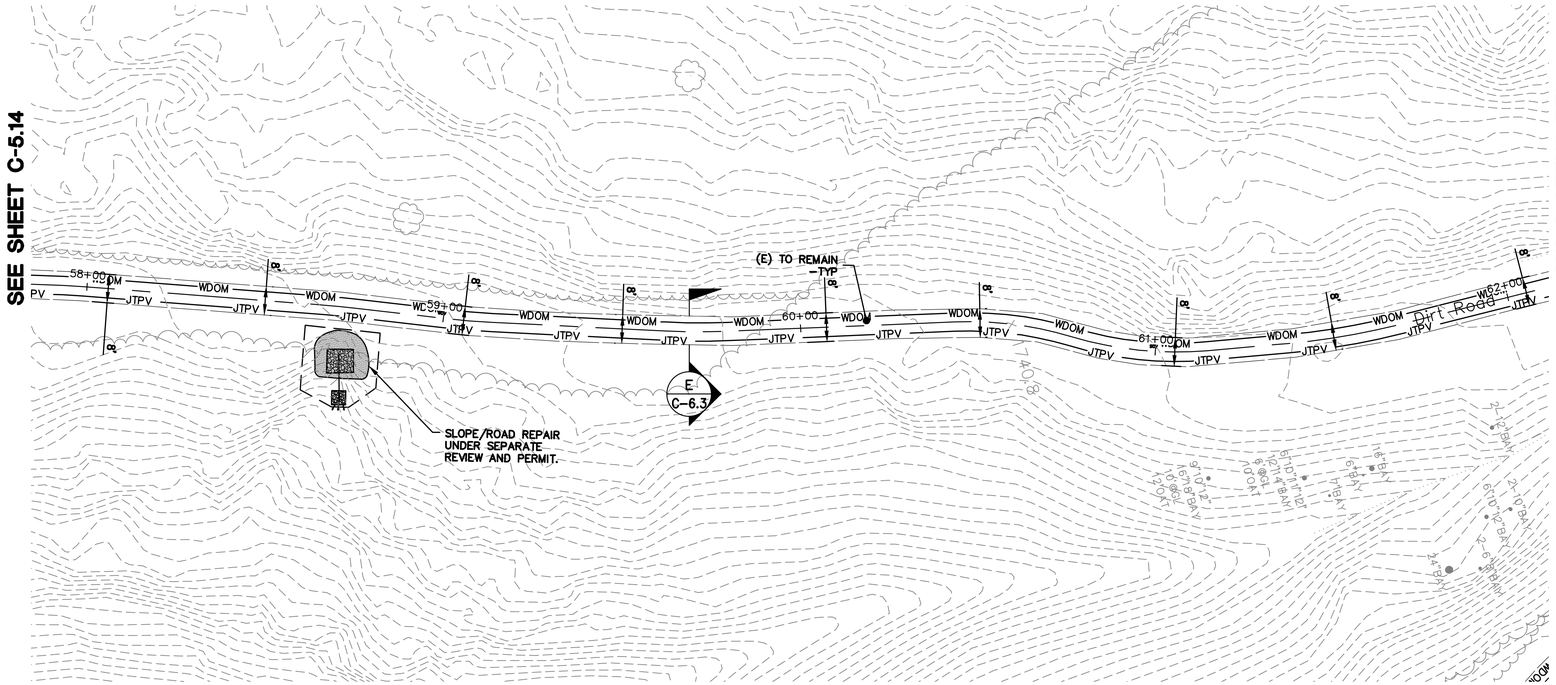
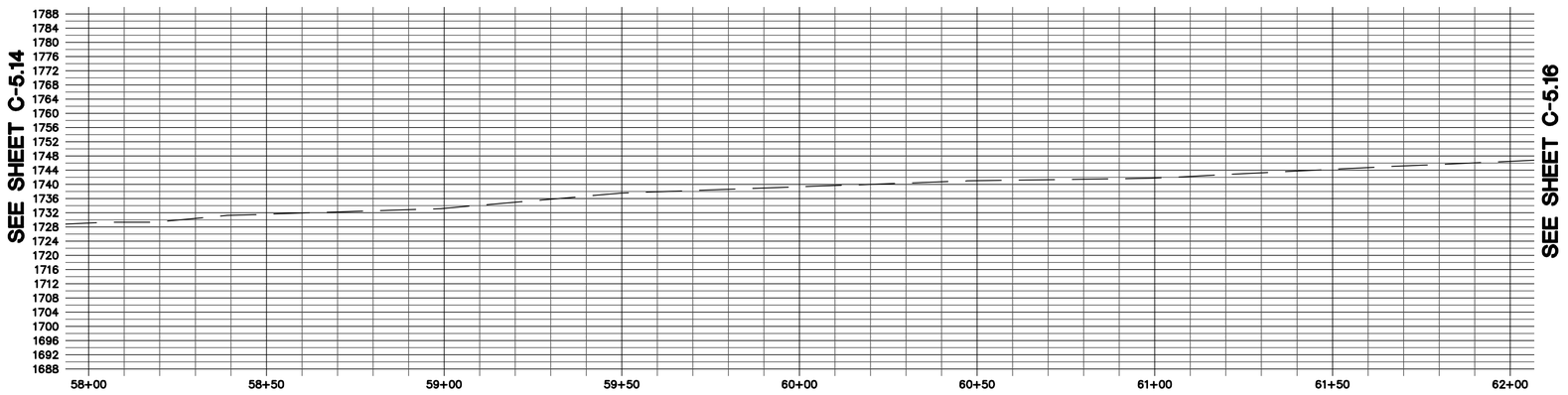
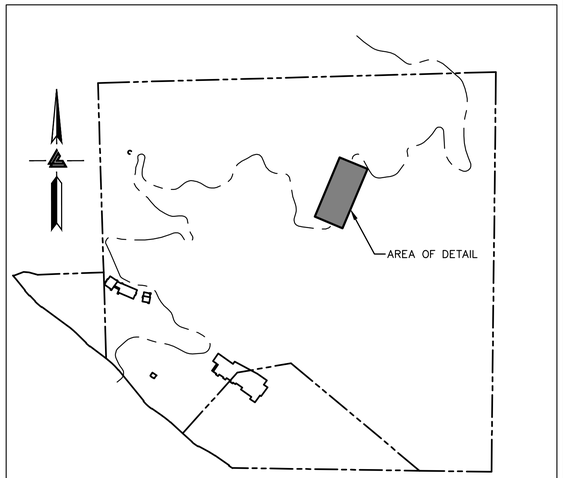
PLOT: 2/16/2021 10:52:06 AM

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.







KEYMAP
SCALE: 1" = 500'

0 10 20 40
SCALE: 1" = 20'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-5.15

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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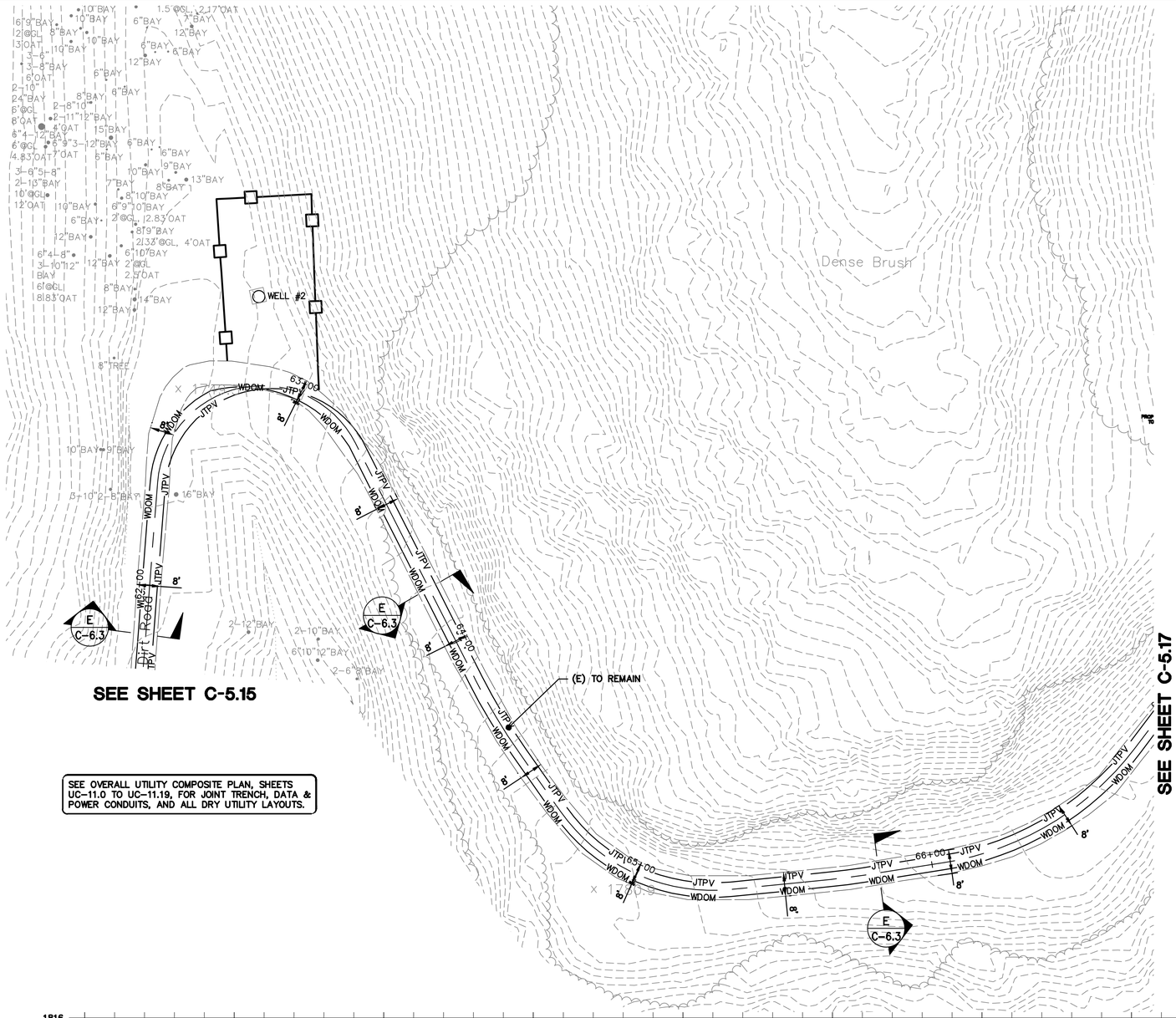

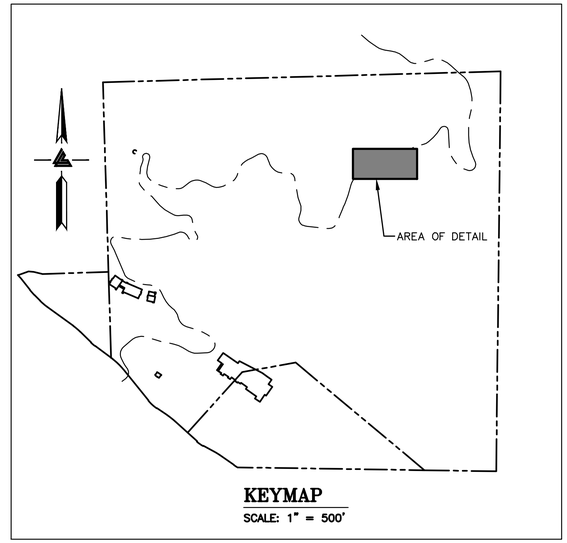

KEYMAP
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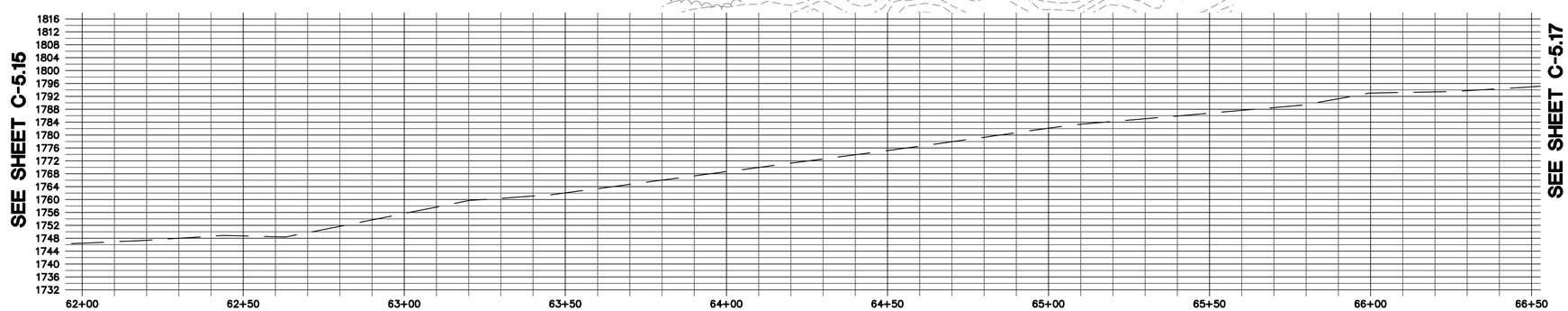
0 10 20 40

SCALE: 1" = 20'



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PETER CARLLINO
No. C79535
CIVIL
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-5.16

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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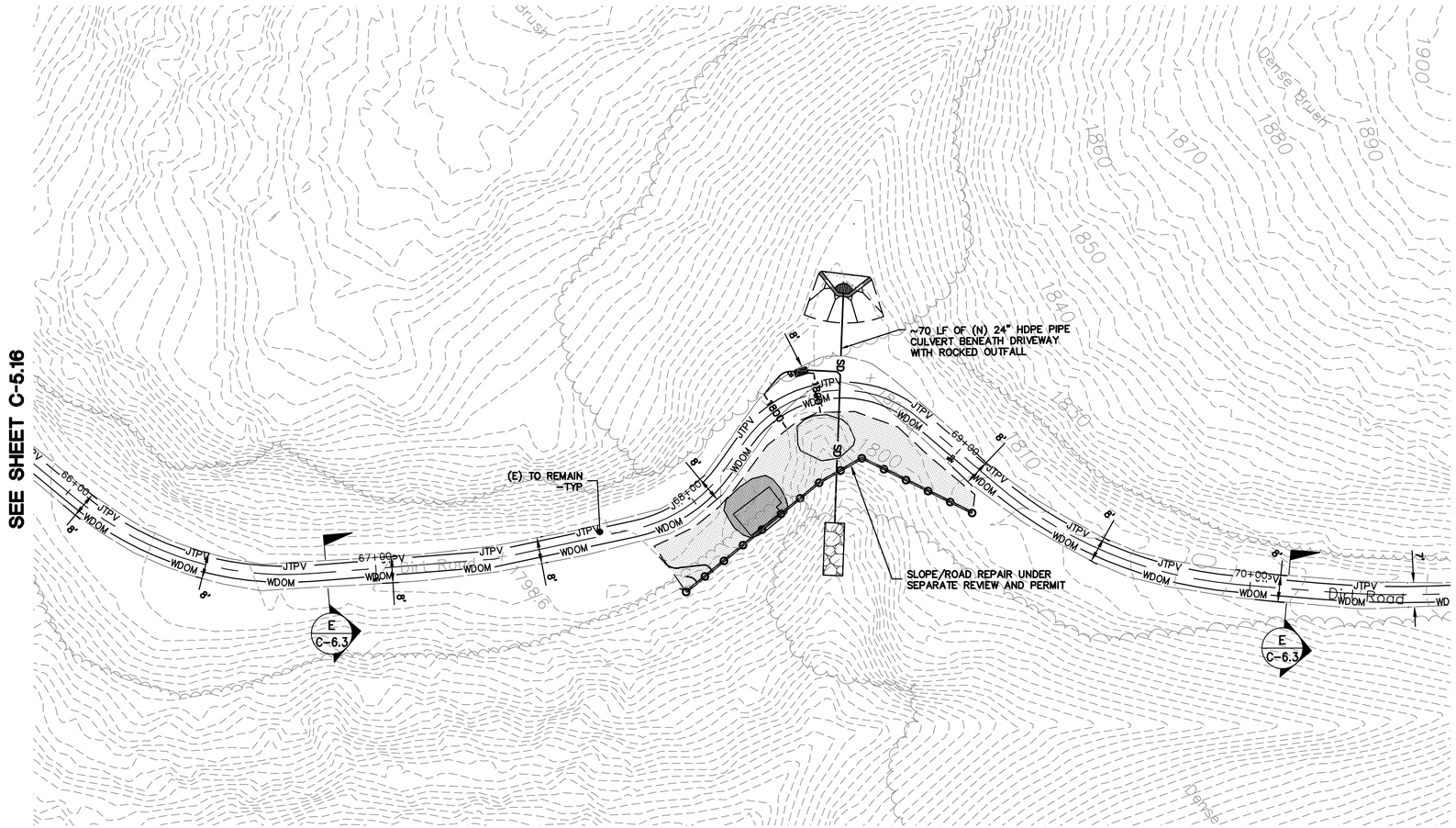
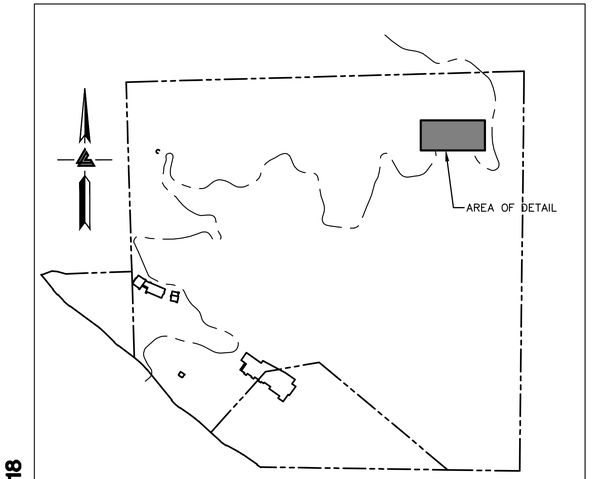
PLOT: 2/16/2021 10:56:53 AM



SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.



KEYMAP
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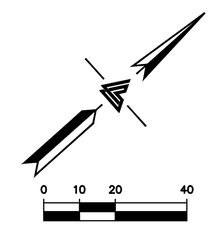

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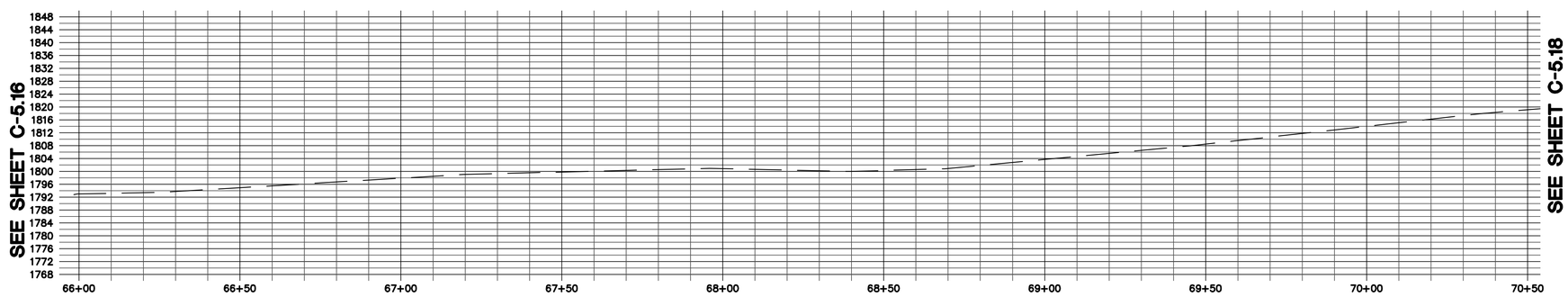

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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REGISTERED PROFESSIONAL ENGINEER
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No. C79555
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STATE OF CALIFORNIA
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.17

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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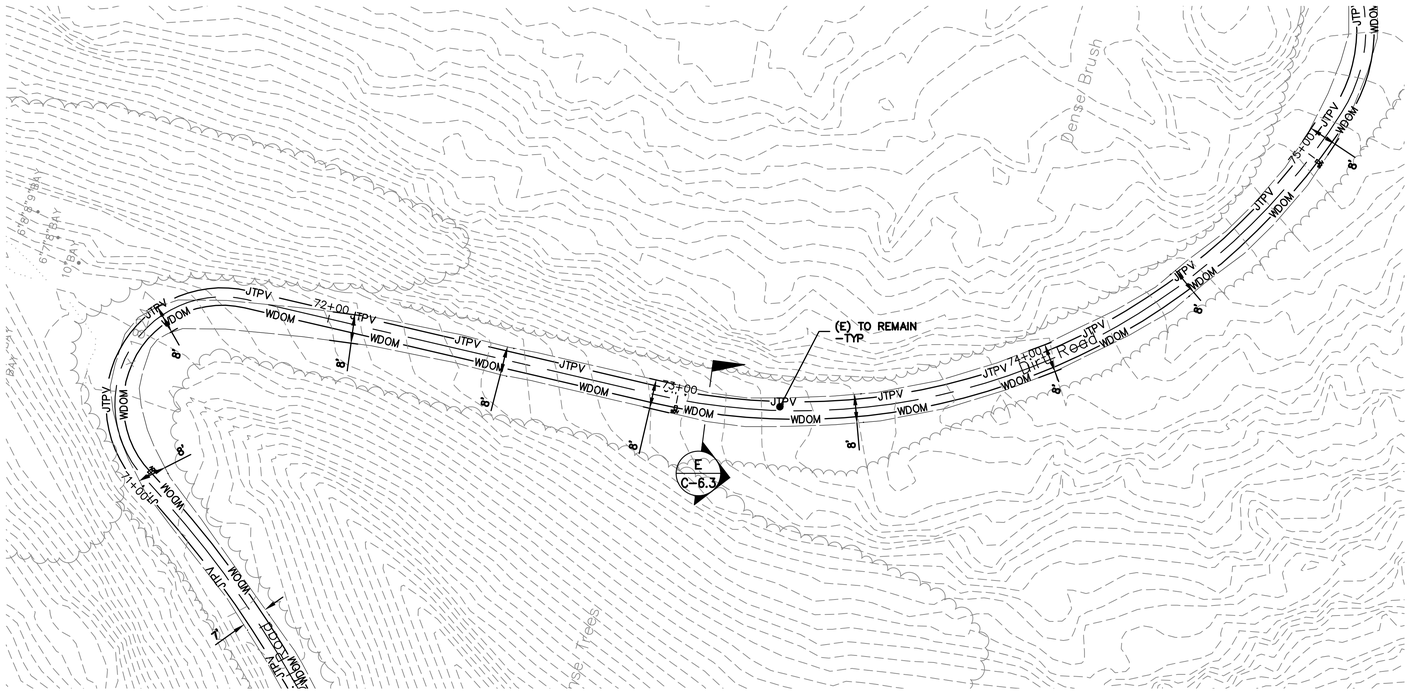
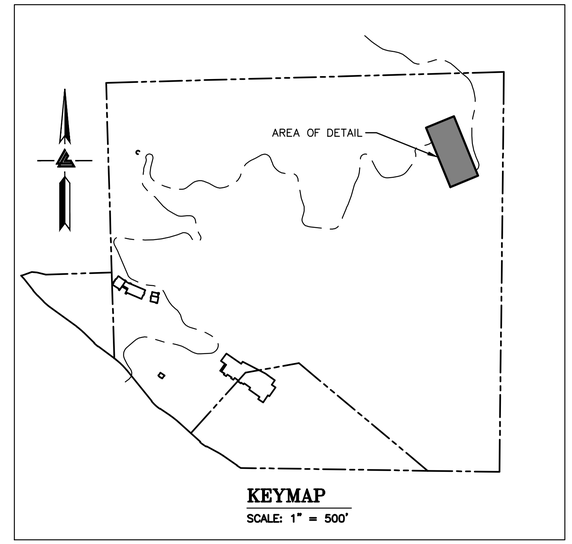
PLOT: 2/16/2021 10:58:02 AM

SEE SHEET C-5.19



SEE SHEET C-5.17



KEYMAP
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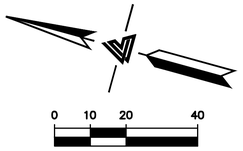
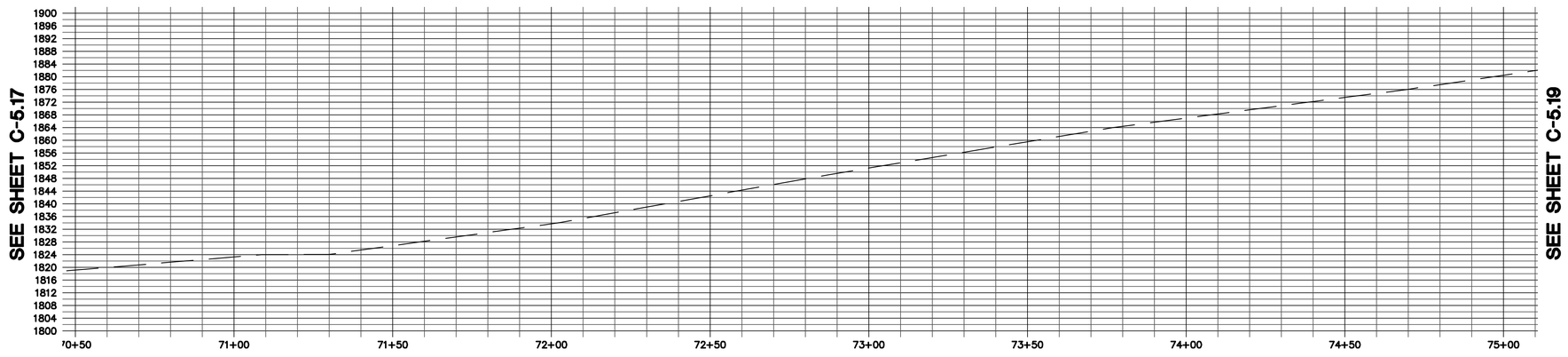


SCALE: 1" = 20'

SEE OVERALL UTILITY COMPOSITE PLAN, SHEETS UC-11.0 TO UC-11.19, FOR JOINT TRENCH, DATA & POWER CONDUITS, AND ALL DRY UTILITY LAYOUTS.



ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-5.18

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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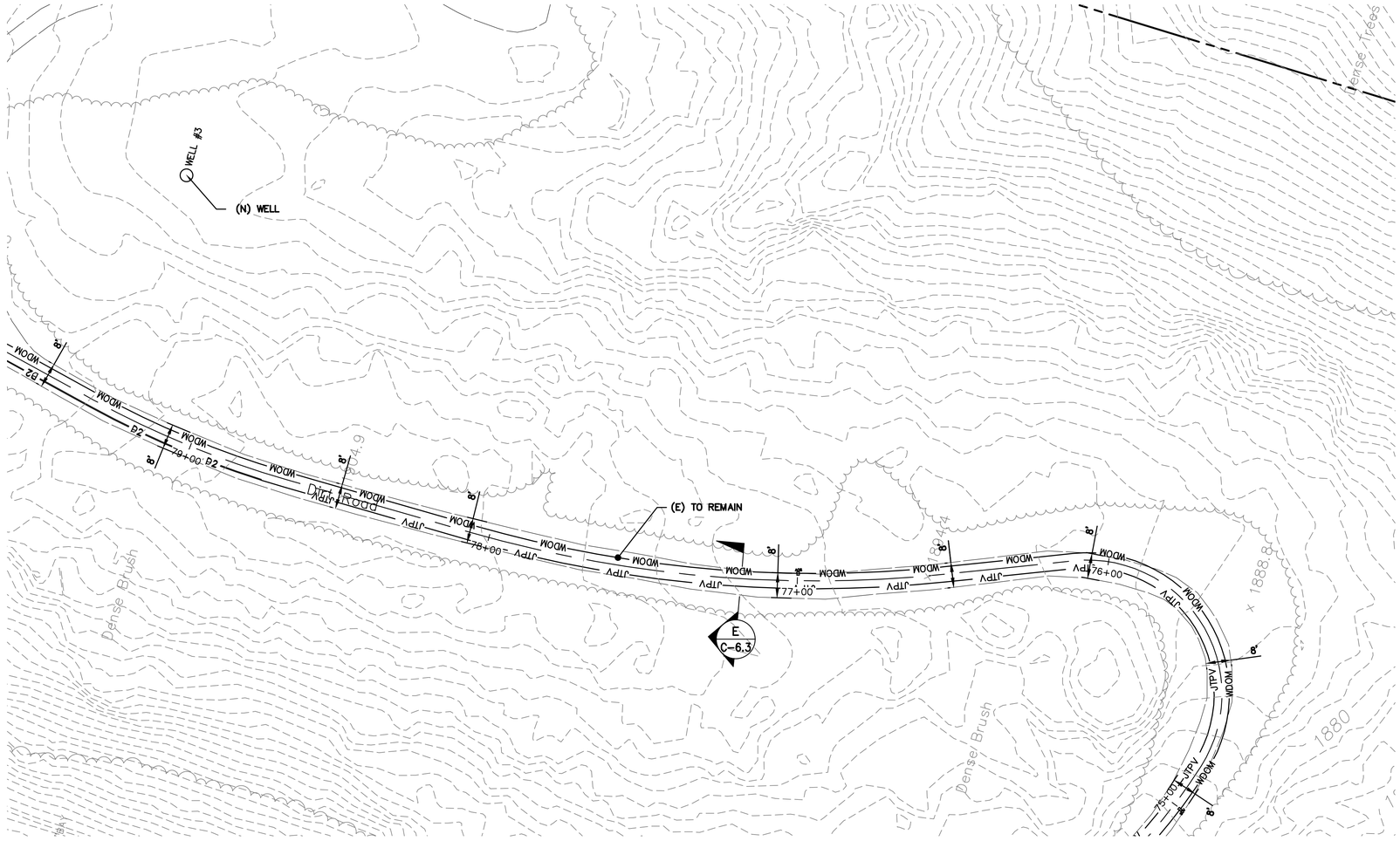
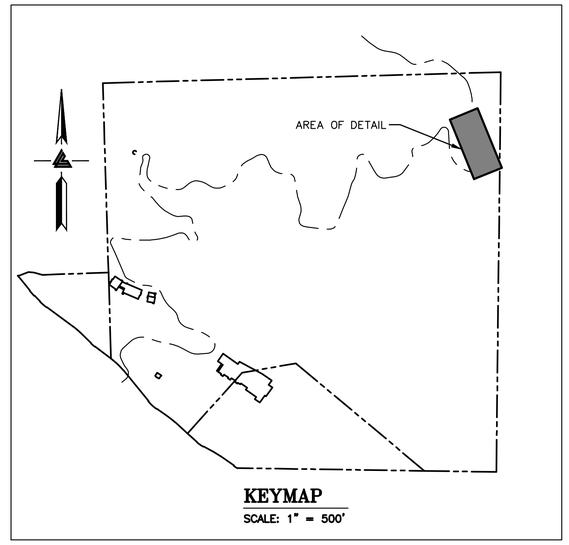
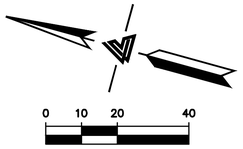




KEYMAP
SCALE: 1" = 500'



SCALE: 1" = 20'

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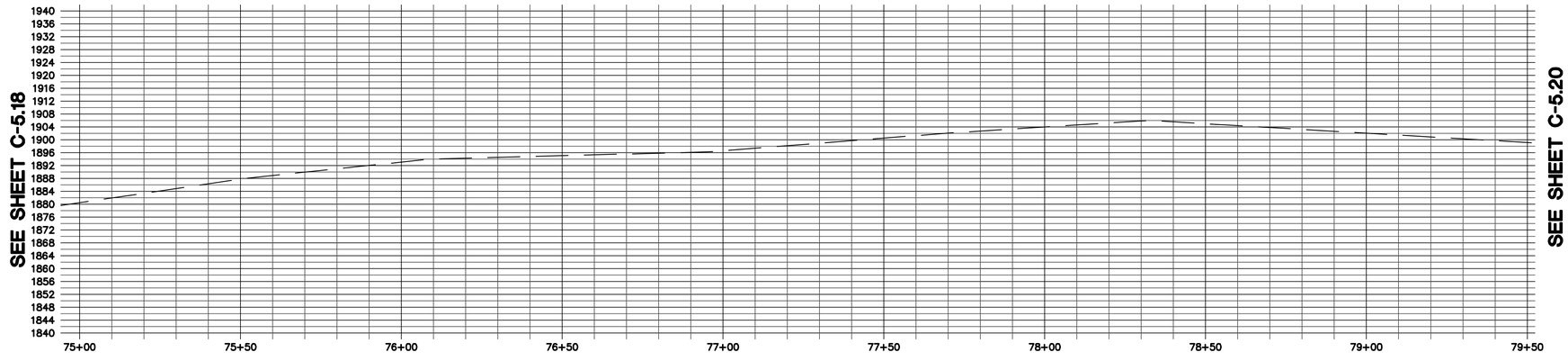

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
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PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

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Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-5.19

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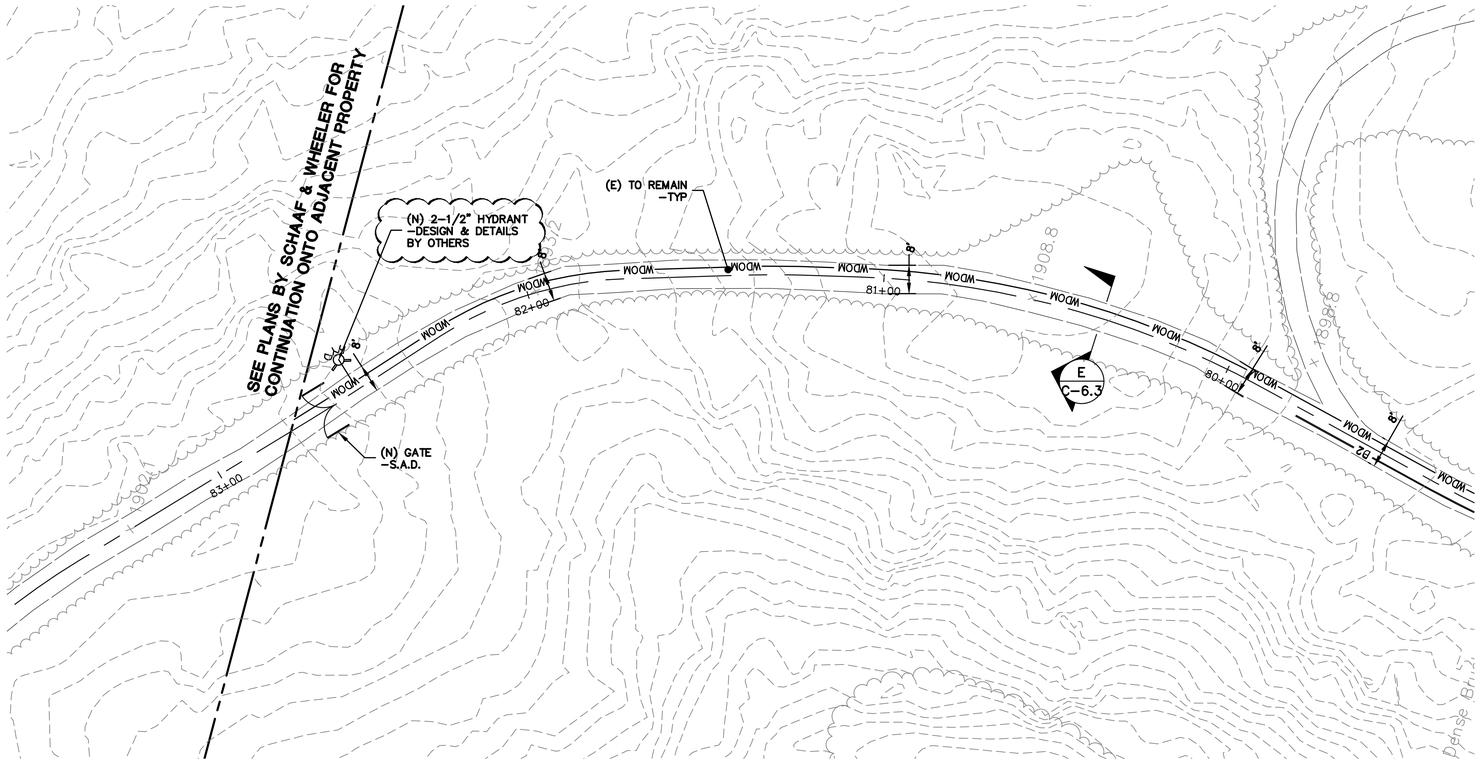
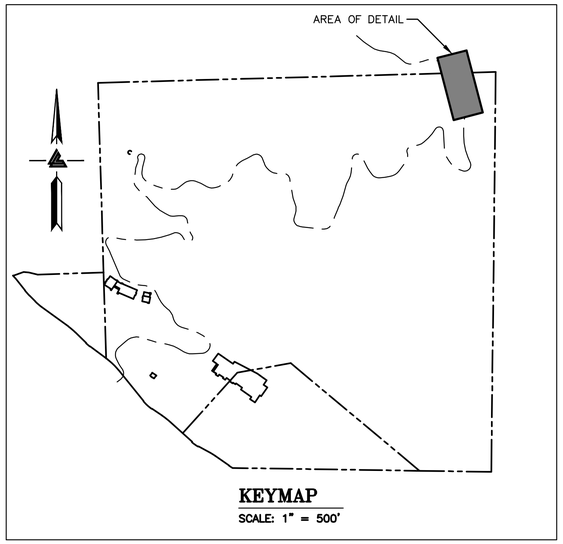
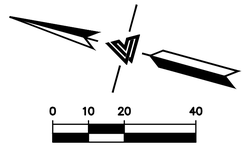


SEE SHEET C-5.19



KEYMAP
SCALE: 1" = 500'



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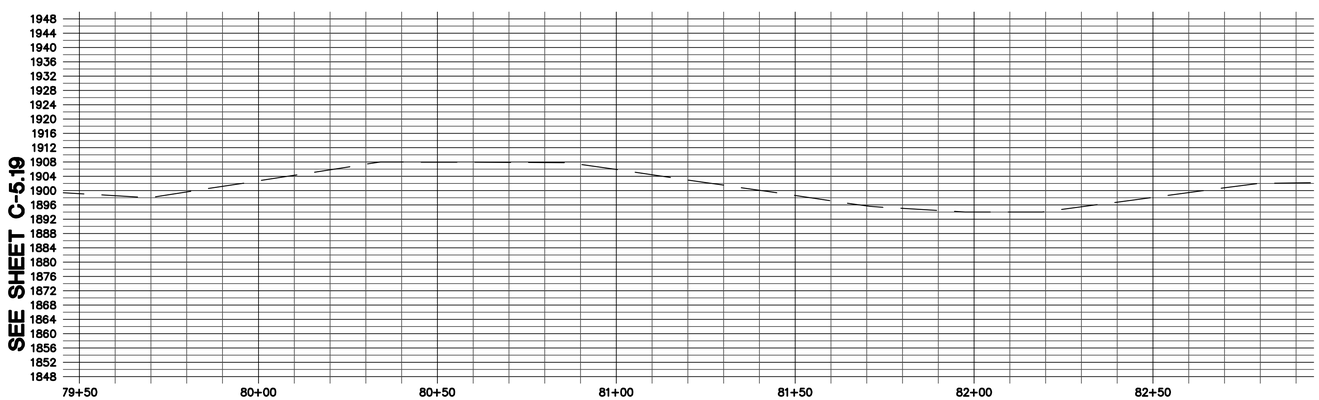

SEE SHEET C-5.19

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
ACCESS ROAD/DRIVEWAY PLAN & PROFILE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-5.20

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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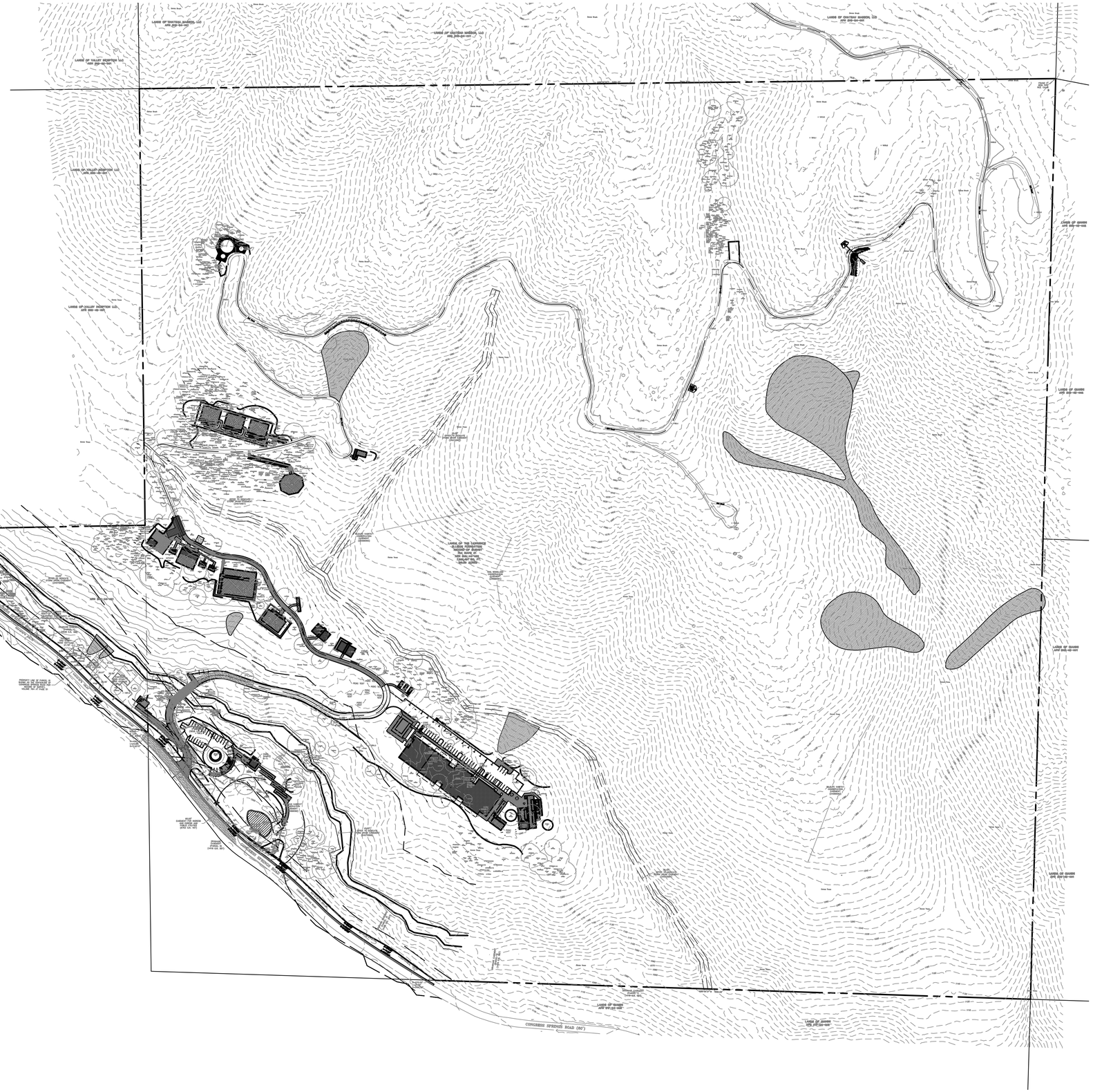

0 75 150 300

SCALE: 1" = 150'

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PETER CARLINO
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
OVERALL SITE SECTIONS

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-6.0

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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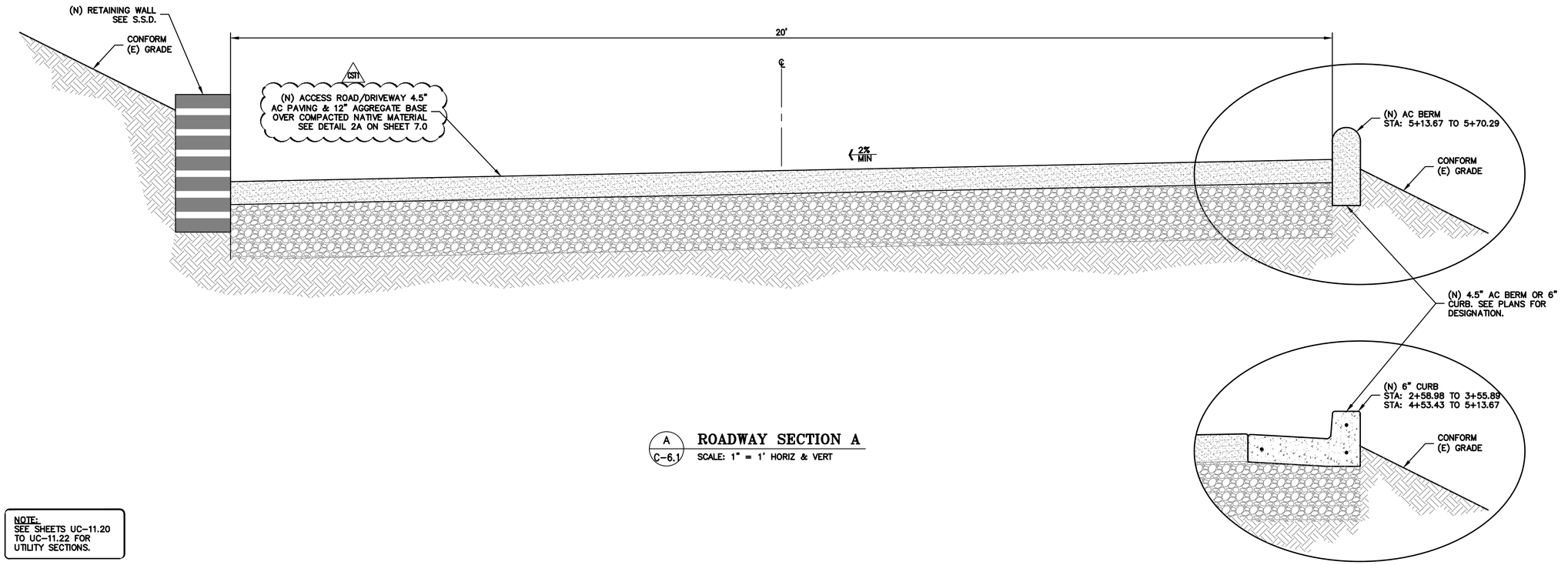
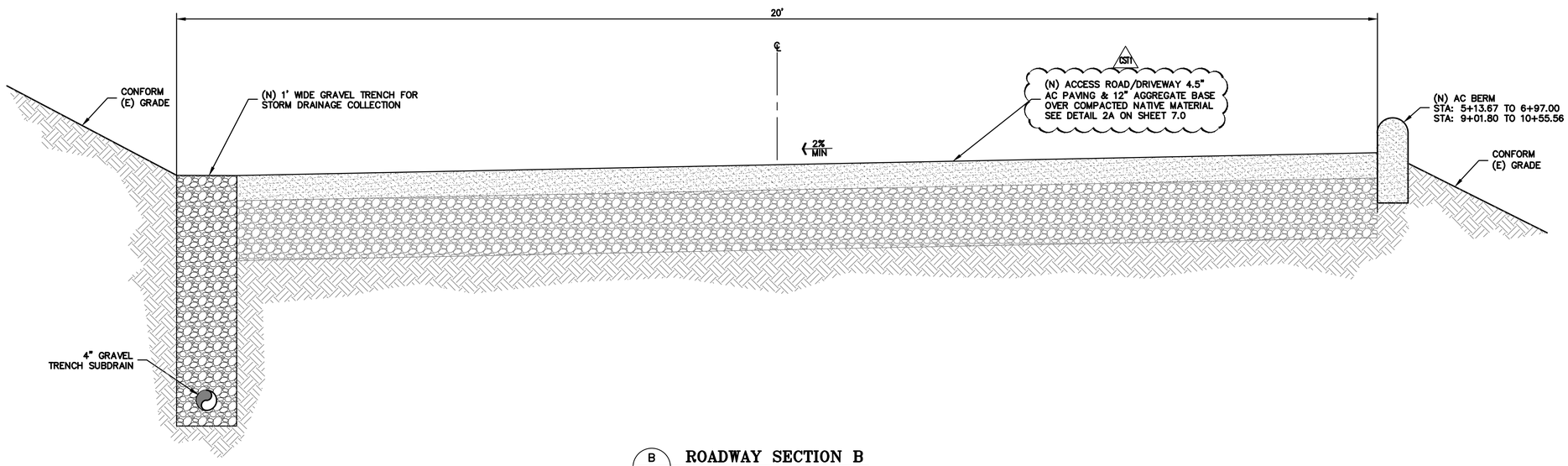


A / C-6.1 **ROADWAY SECTION A**

SCALE: 1" = 1' HORIZ & VERT

NOTE:
SEE SHEETS UC-11.20 TO UC-11.22 FOR UTILITY SECTIONS.



B / C-6.1 **ROADWAY SECTION B**

SCALE: 1" = 1' HORIZ & VERT

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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
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LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

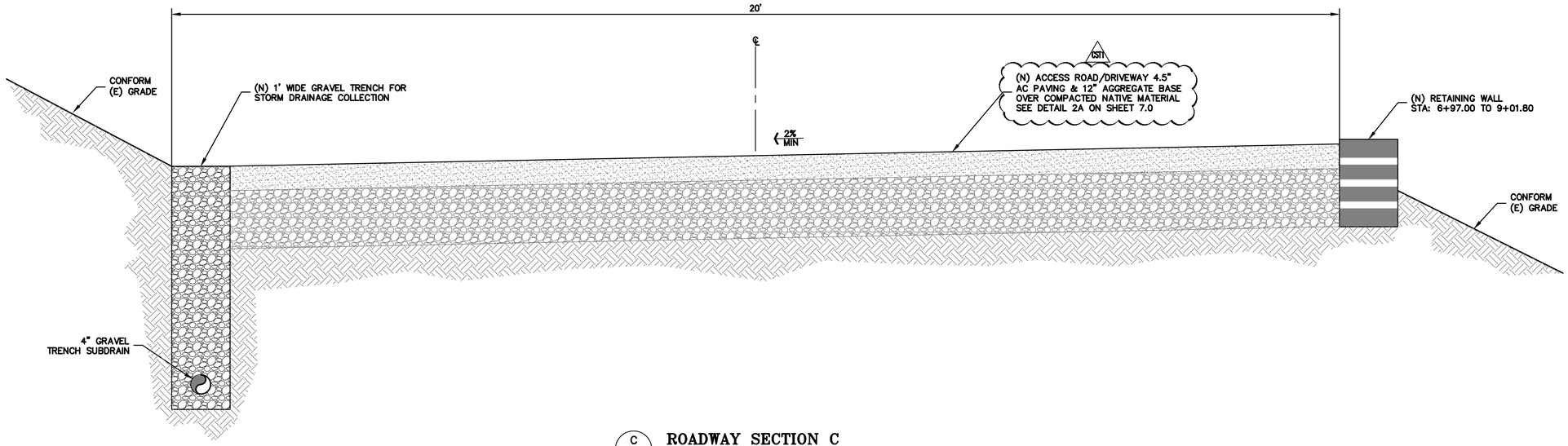
SHEET TITLE
SITE SECTIONS

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

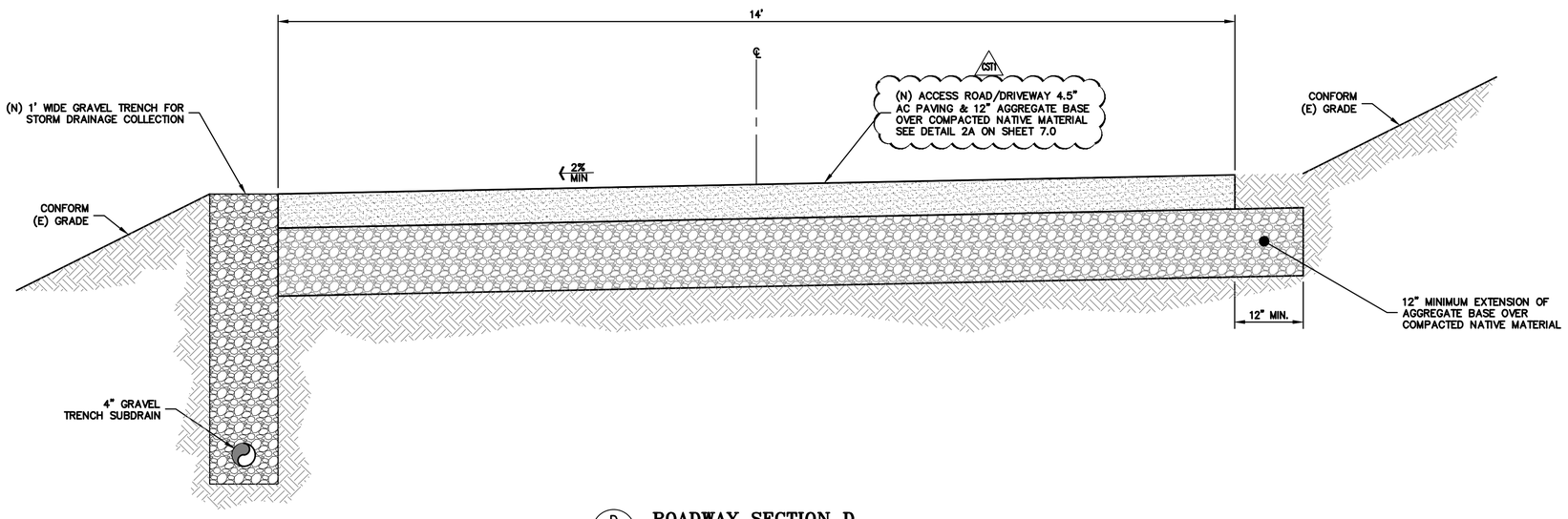
SHEET NUMBER
C-6.1

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



C / C-6.2 **ROADWAY SECTION C**
SCALE: 1" = 1' HORIZ & VERT

NOTE:
SEE SHEETS UC-11.20 TO UC-11.22 FOR UTILITY SECTIONS.



D / C-6.2 **ROADWAY SECTION D**
SCALE: 1" = 1' HORIZ & VERT

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
SITE SECTION

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-6.2

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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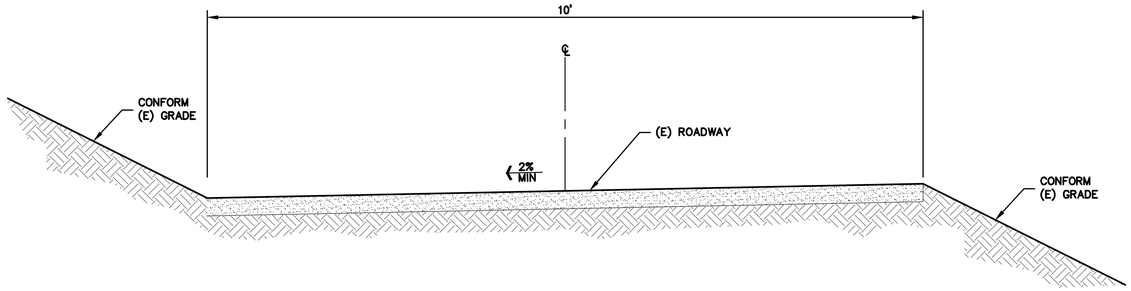
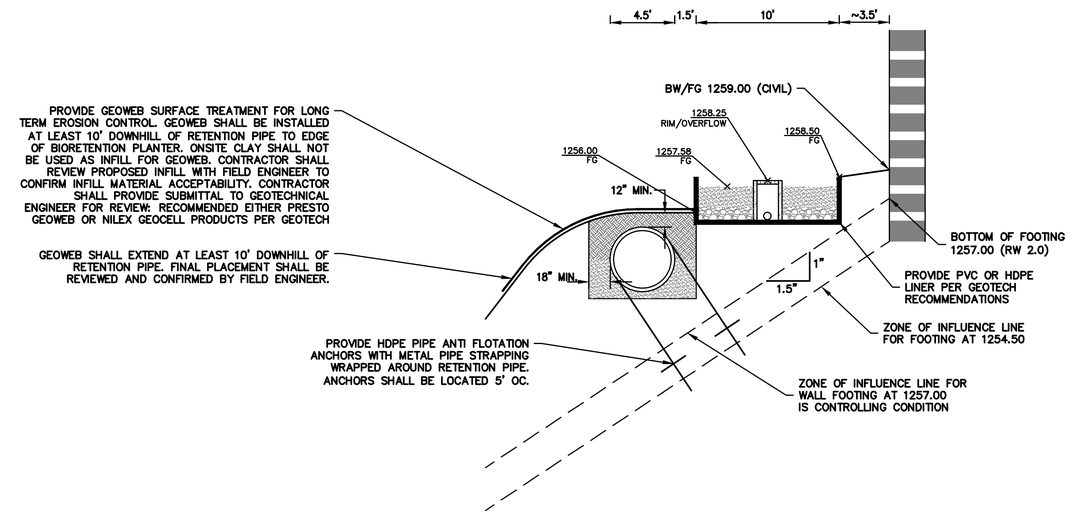


E / C-6.3 **ROADWAY SECTION E**

SCALE: 1" = 1' HORIZ & VERT

NOTE:
SEE SHEETS UC-11.20 TO UC-11.22 FOR UTILITY SECTIONS.



CSK-109

SCALE: 1" = 5' HORIZ & VERT

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SANTA CLARA COUNTY
RECORD INFORMATION
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LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
SITE SECTION

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-6.3

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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SANTA CLARA COUNTY
RECORD INFORMATION
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ROAD: CONGRESS SPRINGS
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PROJECT NUMBER
16011.00

SHEET TITLE

SITE SECTION NOT USED

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER

C-6.4

ASA/USE PERMIT
MODIFICATION #3
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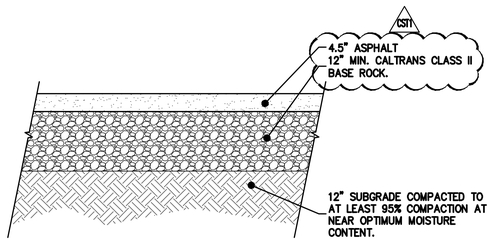
1 NOT USED
C-7.0 NTS



2A ASPHALT SECTION
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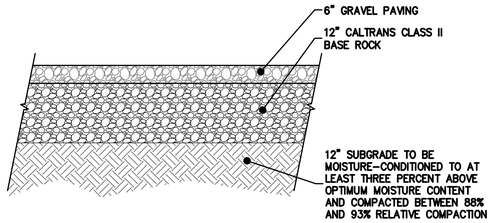

2B GRAVEL SECTION
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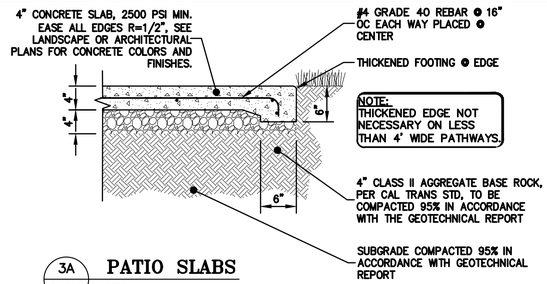

3A PATIO SLABS
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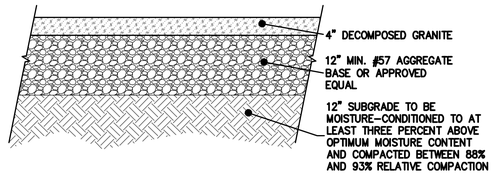
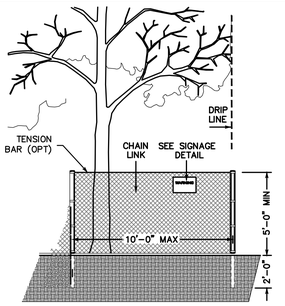
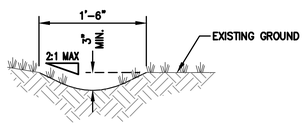


3B DECOMPOSED GRANITE SECTION
C-7.0 NTS



TREE PROTECTION NOTES:
1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION SHALL BE INCORPORATED INTO THE GRADING PLANS.
2. FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN-LINK OR EQUIVALENT STRENGTH/ DURABILITY).
3. FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART.
4. TREE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE DURING THE CONSTRUCTION PERIOD, INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION, REPAIRED AS NECESSARY TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES, AND REMAIN IN PLACE UNTIL THE FINAL INSPECTION.
5. A SIGN THAT INCLUDES THE WORDS, "WARNING: THIS FENCE SHALL NOT BE REMOVED WITHOUT THE EXPRESSED PERMISSION OF THE SANTA CLARA COUNTY PLANNING OFFICE," SHALL BE SECURELY ATTACHED TO THE FENCE IN A VISUALLY PROMINENT LOCATION.

4 EXISTING TREE PROTECTION DETAIL
C-7.0 NTS



5 GRASS LINED SWALE
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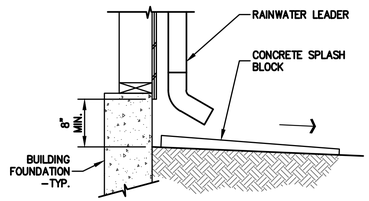
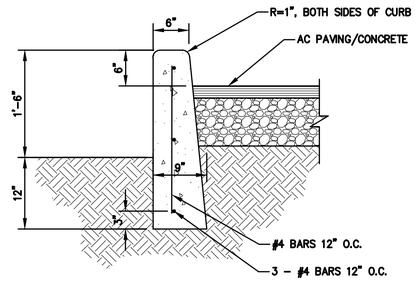
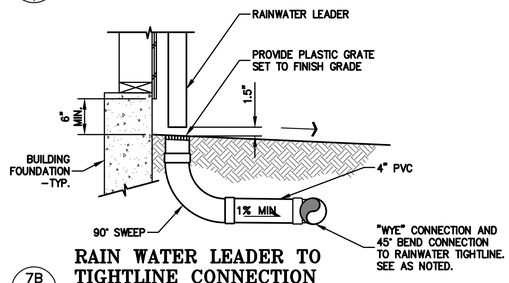


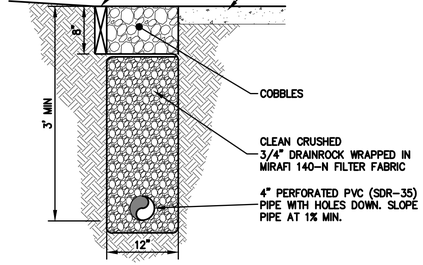
7A SPLASHBLOCK AT RAIN WATER LEADER
C-7.0 NTS



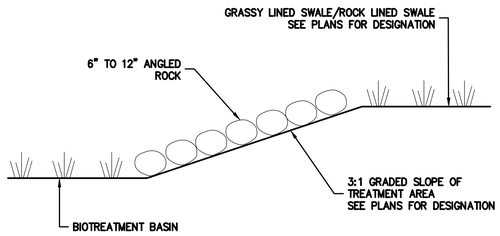
6 DEEPENED CURB
C-7.0 NTS



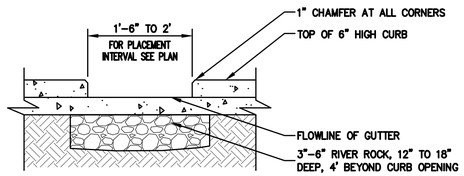
7B RAIN WATER LEADER TO TIGHTLINE CONNECTION
C-7.0 NTS



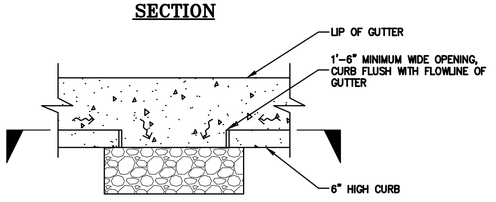
8 DRIVEWAY EDGE DRAIN
C-7.0 NTS



PROFILE

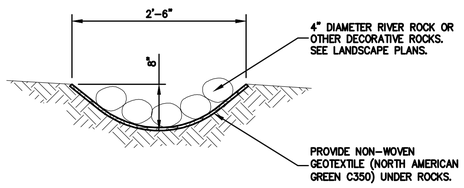


SECTION

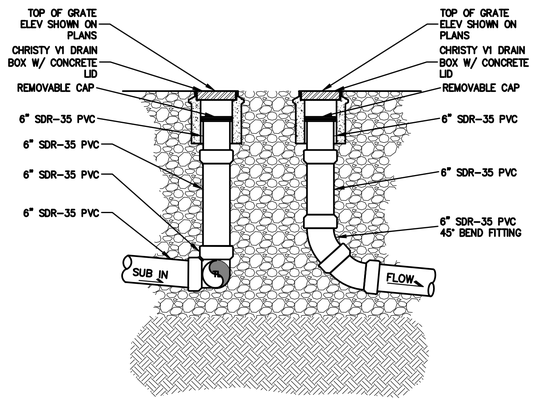


PLAN

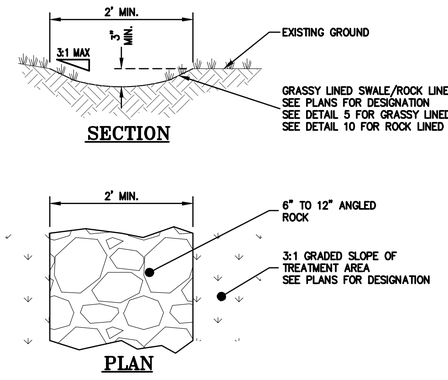
9 CUT IN CURB GUTTER DRAINAGE OUTLET
C-7.0 NTS



10 ROCK LINED SWALE
C-7.0 NTS



11 CLEAN OUT W/TIGHTLINE CONNECTION
C-7.0 NTS



SECTION

PLAN

12 SWALE TO BIOTREATMENT AREA CONNECTION
C-7.0 NTS

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLSON
No. C79333
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

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LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
DETAILS

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
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ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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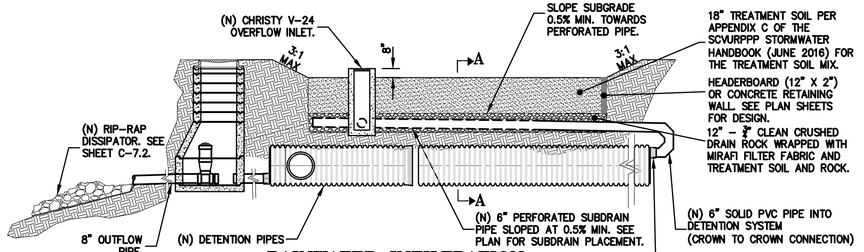
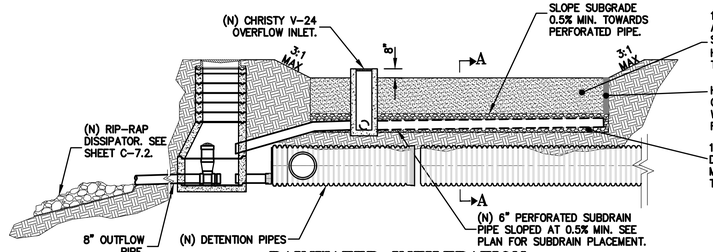


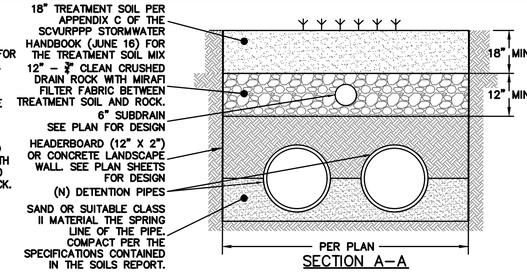
1A C-7.1 **RAINWATER INFILTRATION TREATMENT SYSTEM**

NTS



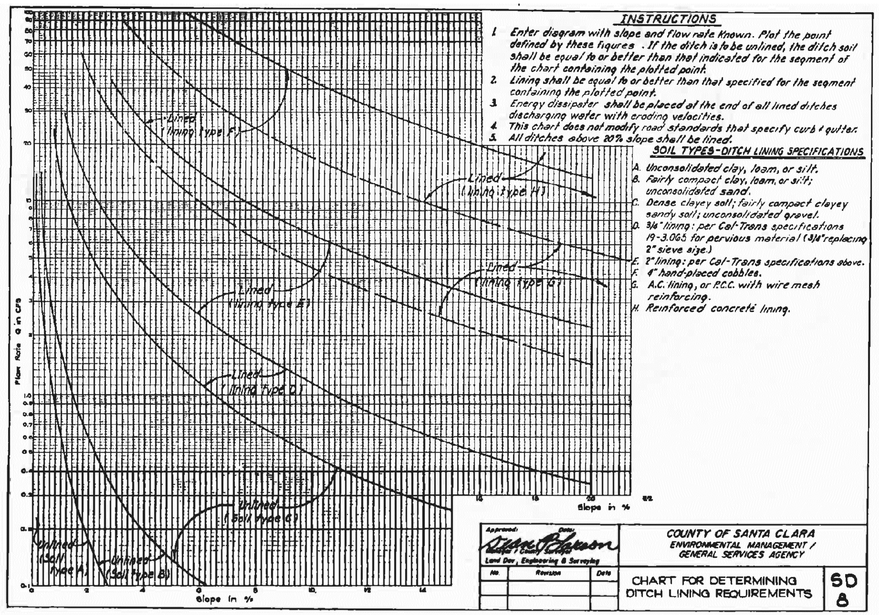
1B C-7.1 **RAINWATER INFILTRATION TREATMENT SYSTEM**

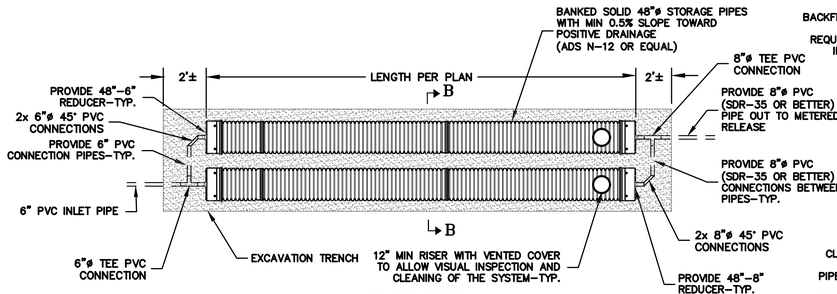
NTS



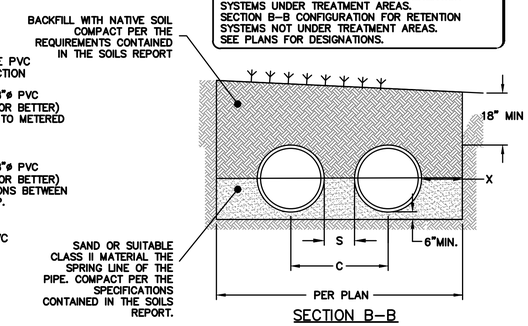
SECTION A–A

NOTE:
SECTION A–A CONFIGURATION FOR RETENTION SYSTEMS UNDER TREATMENT AREAS.
SECTION B–B CONFIGURATION FOR RETENTION SYSTEMS NOT UNDER TREATMENT AREAS.
SEE PLANS FOR DESIGNATIONS.





PLAN VIEW



SECTION B–B

STORAGE PIPE NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "S"	TYPICAL SPACING "C"	TYPICAL SIDE WALL "X"
48" (1200 MM)	54" (1372 MM)	25" (635 MM)	78.5" (1994 MM)	18" (457 MM)

NOTE:
REFER TO THE PLANS FOR SPECIFIC INLET AND OUTLET LOCATIONS.
REFER TO THE PLANS FOR SPECIFIC ACCESS COVER AND CLEANOUT LOCATIONS.

NOTE:
SEE CIVIL PLAN FOR EXACT CONFIGURATION AND LOCATIONS OF ALL RETENTION PIPES.

NOTES:

1. ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.

2. ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.

3. MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.

4. FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.

6. BEDDING: SUITABLE MATERIAL SHALL BE CLASS II*. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"–24" (100mm–600mm); 6" (150mm) FOR 30"–60" (750mm–900mm).

7. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE APPROVED BY THE SOILS ENGINEER. MATERIAL SHALL BE INSTALLED UNDER THE DIRECTION OF THE SOILS ENGINEER AND COMPACTED PER THE SPECIFICATIONS CONTAINED IN THE SOILS REPORT.

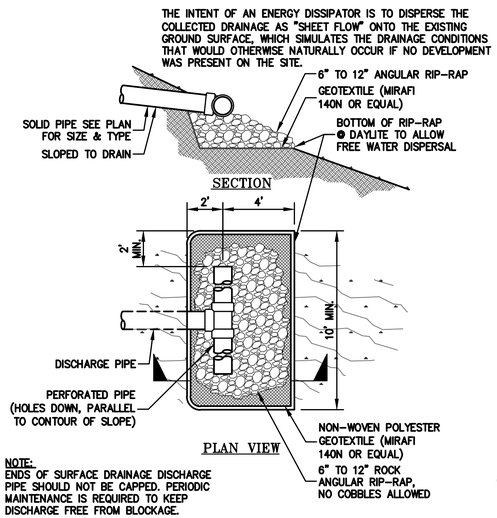
8. MINIMUM COVER: MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 18" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 18" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" – 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

* CLASS I BACKFILL REQUIRED AROUND 60" DIAMETER FITTINGS.

ALL EXCAVATION, SHORING AND BRACING SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING THE CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS.

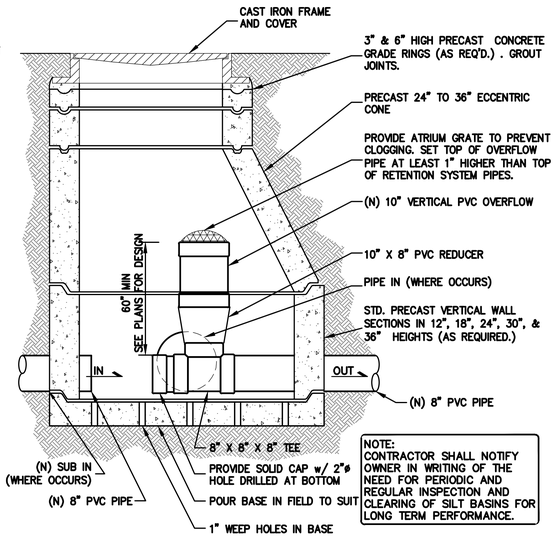
2 C-7.1 **TYPICAL RETENTION SYSTEM DETAILS**

NTS



3 C-7.1 **ENERGY DISSIPATOR DISCHARGE**

NTS



4 C-7.1 **METERED RELEASE OUTLET**

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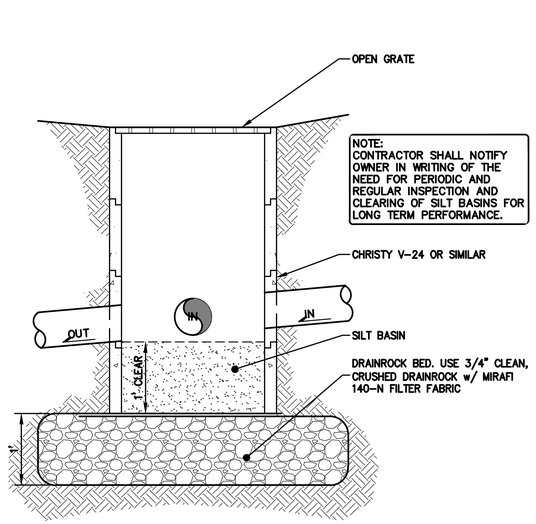

5 C-7.1 **DRAIN INLET/SILT BASIN**

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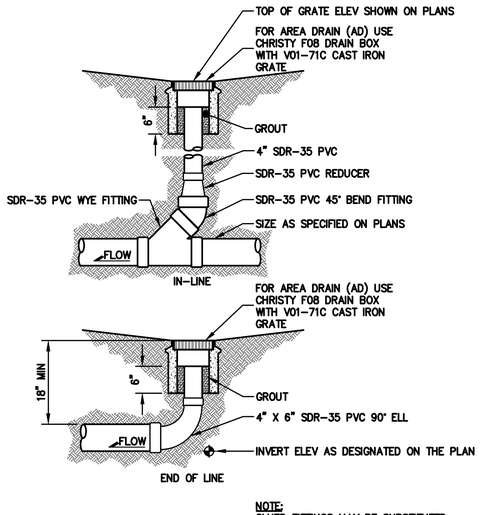

6 C-7.1 **AREA DRAIN**

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REGISTERED PROFESSIONAL ENGINEER PETER CARLTON NO. C79338 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

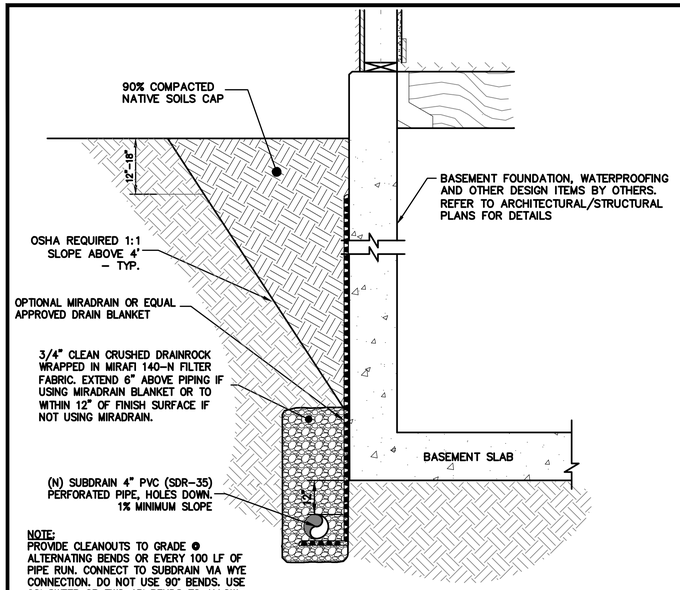
SHEET TITLE
DETAILS

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-7.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943



1 C-7.2 **BASEMENT SUBDRAIN**
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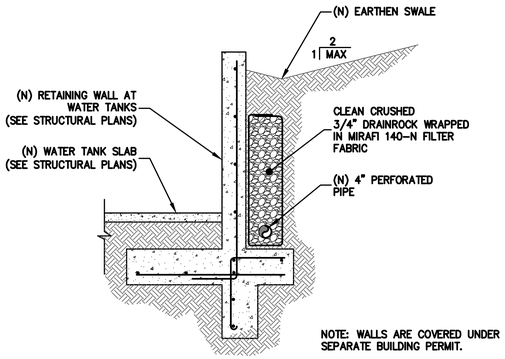
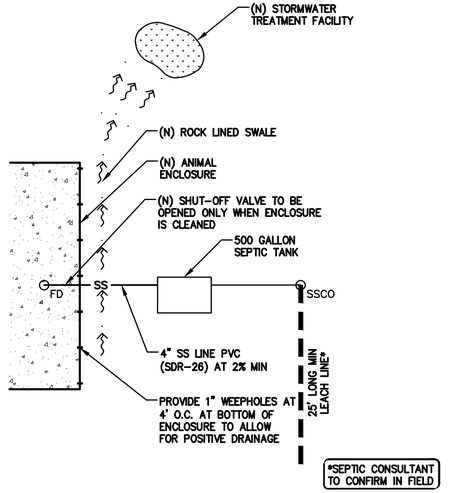


2 C-7.2 **RETAINING WALL AT WATER TANKS**
N.T.S.



3 C-7.2 **INDIVIDUAL ENCLOSURE SEPTIC SYSTEM**
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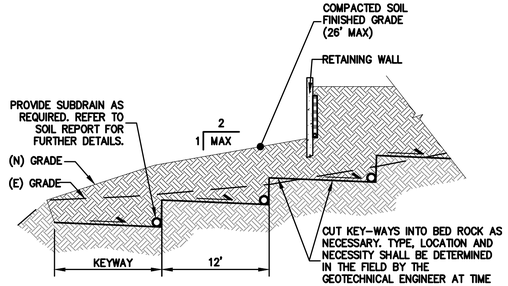
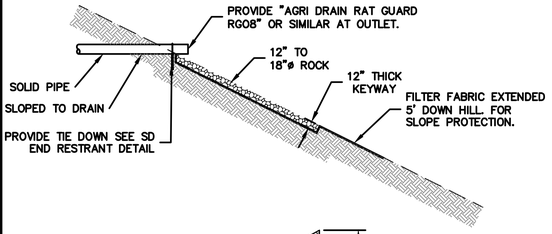


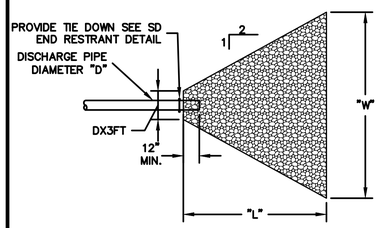
4 C-7.2 **KEYWAY AND BENCH**
NTS

NOTES

1. CONTRACTOR SHALL REMOVE ALL SURFACE AND SUBSURFACE STRUCTURES, CLEAR AND GRUB THE SITE AND REMOVE ANY ORGANIC MATERIAL INCLUDING ALL GRASSES AND PLANTS.
2. NATIVE SOIL SHALL BE RECOMPACTED TO 90% RELATIVE COMPACTION.
3. ALL FILL SHALL BE PLACED IN 6"-8" LIFTS AND COMPACTED TO 90% RELATIVE COMPACTION.
4. CONTRACTOR SHALL PROVIDE KEYS IN SLOPES 6:1 OR GREATER TO PROPERLY ANCHOR FILL SLOPES. A 6" PVC PERFORATED SUBDRAIN W/ HOLES DOWN AND SURROUNDED BY 3/4" MIN. CRUSHED CLEAN DRAINROCK AND WRAPPED IN FILTER FABRIC SHALL BE PLACED AT THE BASE OF EACH KEY. THE PIPE SHALL BE SLOPED AT 1% MIN. AND DIRECTED TOWARDS (N) ON-SITE STORM DRAIN SYSTEM.

THE INTENT OF AN ENERGY DISSIPATOR IS TO DISPERSE THE COLLECTED DRAINAGE AS "SHEET FLOW" ONTO THE EXISTING GROUND SURFACE, WHICH SIMULATES THE DRAINAGE CONDITIONS THAT WOULD OTHERWISE NATURALLY OCCUR IF NO DEVELOPMENT WERE PRESENT ON THE SITE.

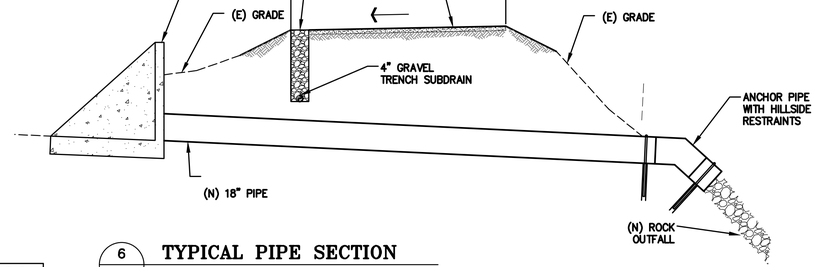




PIPE DIAMETER "D" (INCHES)	"DX3FT" (FEET)	"L" (FEET)	"W" (FEET)
18"	4.5 FT	23 FT	27.5 FT

NOTE: ENDS OF SURFACE DRAINAGE DISCHARGE PIPE SHOULD NOT BE CAPPED. PERIODIC MAINTENANCE IS REQUIRED TO KEEP DISCHARGE FREE FROM BLOCKAGE

5 C-7.2 **ENERGY DISSIPATER DISCHARGE (CULVER OUTFALLS)**
NTS



6 C-7.2 **TYPICAL PIPE SECTION**
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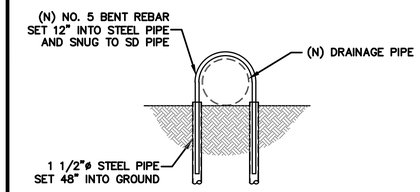

7 C-7.2 **SD END RESTRAINT DETAIL**
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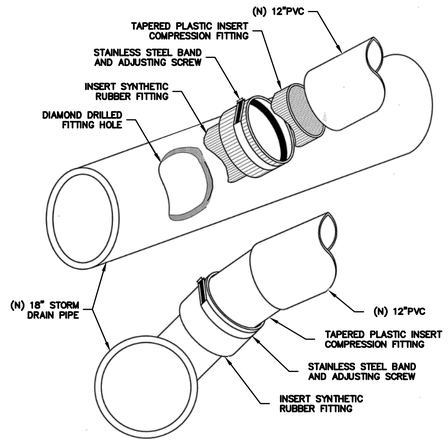

8 C-7.2 **STANDARD STORM DRAIN TAP**
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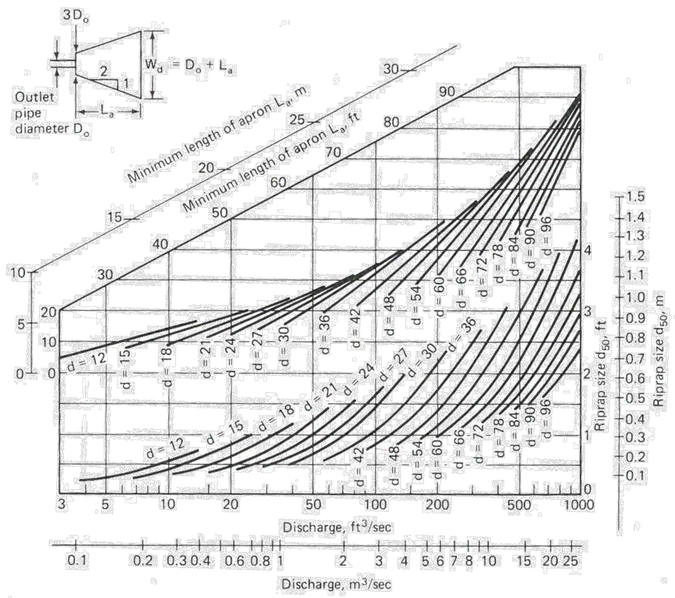

Fig. 7.45 Design of riprap outlet protection from a round pipe flowing full; minimum tailwater conditions. (6, 14)

9 C-7.2 **ABAG STANDARD TABLE**
NTS

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLTO
No. C79333
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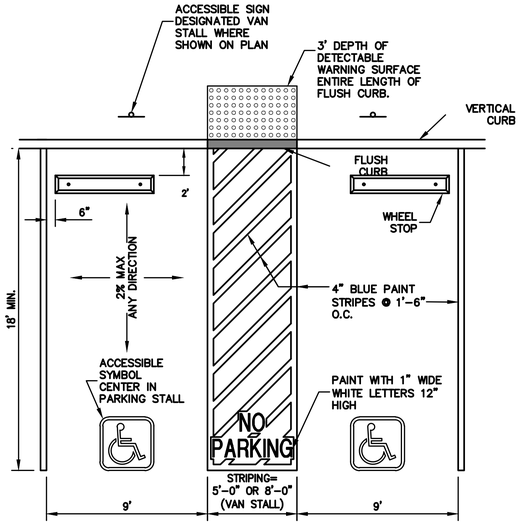

1 C-7.3 **ACCESSIBLE STALL**
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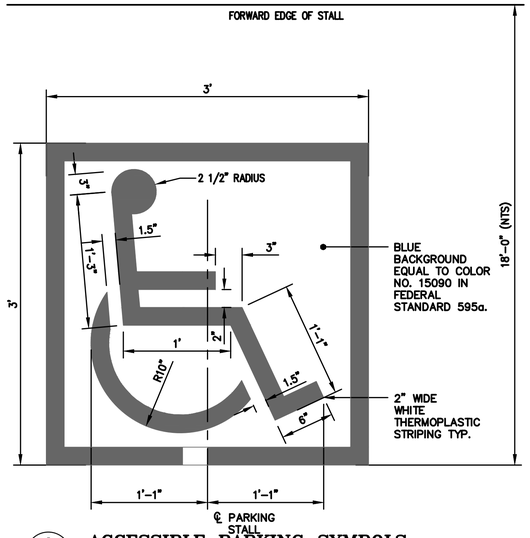
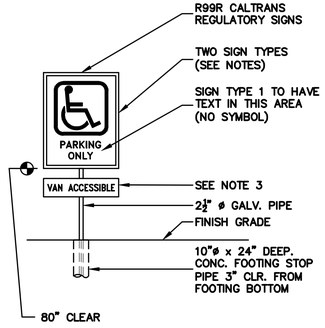
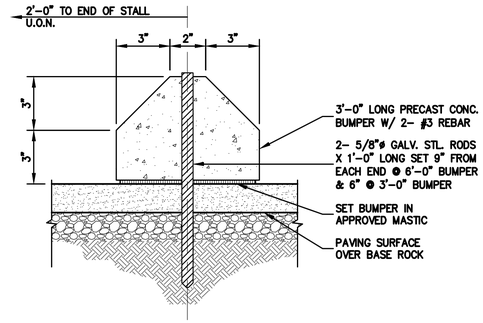


2 C-7.3 **ACCESSIBLE PARKING SYMBOLS**
NTS



NOTES:
1. OFF-STREET PARKING FACILITIES TO HAVE SIGN AT STREET ENTRANCE NOT LESS THAN 17" x 22" IN SIZE. SIGN TEXT TO STATE THE FOLLOWING: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACE NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____ OR BY TELEPHONING _____." CONTRACTOR TO OBTAIN APPROPRIATE LOCAL NUMBER AND FILL IN BLANKS PRIOR TO MANUFACTURING SIGN.
2. ACCESSIBLE PARKING SPACE SIGN TO HAVE ACCESSIBLE SYMBOL, AS SHOWN. SIZE TO BE 70 SQ. IN. MINIMUM.
3. PROVIDE SIGN AT VAN STALL WITH ADD'L SIGN STATING "VAN ACCESSIBLE"

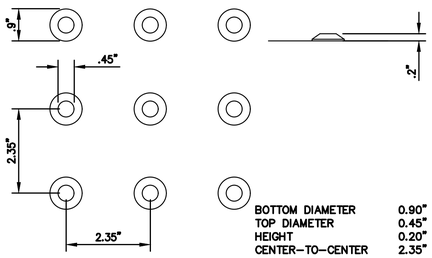
3 C-7.3 **ACCESSIBLE PARKING SIGNAGE**
NTS



4 C-7.3 **WHEEL STOP**
NTS

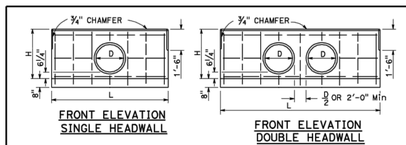
NOTES:

1. CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACE THE ENTIRE RAMP TRAVEL.
2. THE DETECTABLE WARNING BORDER SHALL BE A CONTRASTING SURFACE WITH THE ADJOINING SURFACE. ONLY ADA ACCESSIBLE PRODUCTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT OF CALIFORNIA SHALL BE USED.
3. DOME ORIENTATION SHALL CONFORM TO THE LATEST ADA/TITLE 24 REGULATIONS.
4. IF PRECAST CONCRETE DETECTABLE WARNING DOMES PAVERS ARE USED, THE WILL NEED TO BE INSTALLED ON TOP OF A 4" THICK CONCRETE SURFACE. PAVERS SHALL BE LAID SUCH THAT JOINTS ARE LEVEL WITH ADJOINING SURFACE, TO PROVIDE A SMOOTH TRANSITION FROM PAVER TO PAVER AND FROM PAVER TO CONCRETE.
5. IF PLASTIC MAT DETECTABLE WARNING DOMES ARE USED, THE MAT NEEDS TO BE FLUSH WITH THE ADJOINING CONCRETE SURFACE. WHERE THE MAT IS INSTALLED, THE CONCRETE SURFACE WILL NEED TO BE HELD DOWN THE THICKNESS OF THE MAT.



BOTTOM DIAMETER	0.90"
TOP DIAMETER	0.45"
HEIGHT	0.20"
CENTER-TO-CENTER	2.35"

5 C-7.3 **DETECTABLE WARNING SURFACE**
NTS

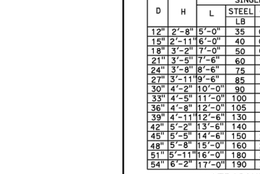


FRONT ELEVATION SINGLE HEADWALL

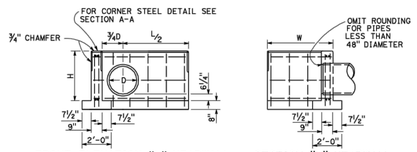
FRONT ELEVATION DOUBLE HEADWALL

D	H	L	SINGLE STEEL LB	SINGLE Conc CY	L	DOUBLE STEEL LB	DOUBLE Conc CY
12"	2'-8"	5'-0"	35	0.60	8'-0"	50	0.94
15"	2'-11"	6'-0"	40	0.75	9'-6"	60	1.17
18"	3'-2"	7'-0"	50	0.91	10'-6"	75	1.35
21"	3'-5"	7'-6"	60	1.02	11'-6"	90	1.52
24"	3'-8"	8'-6"	75	1.20	12'-6"	100	1.72
27"	3'-11"	9'-6"	85	1.39	14'-0"	115	2.00
30"	4'-2"	10'-0"	90	1.52	15'-0"	126	2.21
33"	4'-5"	11'-0"	100	1.73	16'-0"	130	2.42
36"	4'-8"	12'-0"	105	1.95	17'-0"	145	2.65
39"	4'-11"	12'-6"	130	2.09	18'-0"	170	2.88
42"	5'-2"	13'-6"	140	2.34	19'-0"	185	3.13
45"	5'-5"	14'-6"	150	2.60	20'-0"	195	3.38
48"	5'-8"	15'-0"	160	2.75	21'-0"	200	3.64
51"	5'-11"	16'-0"	180	3.03	22'-6"	225	4.02
54"	6'-2"	17'-0"	190	3.31	23'-6"	240	4.30

STRAIGHT HEADWALLS



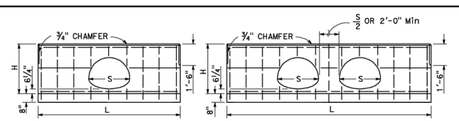
SECTION, SINGLE AND DOUBLE HEADWALLS



FRONT ELEVATION "L" HEADWALL SECTION "L" HEADWALL

D	H	L/2	LENGTH OF W 3'-4" STEEL LB	3'-4" Conc CY	4'-10" STEEL LB	4'-10" Conc CY	6'-4" STEEL LB	6'-4" Conc CY	7'-10" STEEL LB	7'-10" Conc CY	9'-4" STEEL LB	9'-4" Conc CY
12"	2'-8"	2'-6"	50	0.79	60	0.98	—	—	—	—	—	—
15"	2'-11"	3'-0"	55	0.91	65	1.11	—	—	—	—	—	—
18"	3'-2"	3'-6"	65	1.04	75	1.25	—	—	—	—	—	—
21"	3'-5"	3'-9"	75	1.15	90	1.36	—	—	—	—	—	—
24"	3'-8"	4'-3"	85	1.29	100	1.51	110	1.74	—	—	—	—
27"	3'-11"	4'-9"	90	1.44	105	1.67	115	1.91	—	—	—	—
30"	4'-2"	5'-0"	95	1.55	110	1.80	120	2.05	135	2.29	—	—
33"	4'-5"	5'-6"	105	1.71	120	1.97	135	2.23	150	2.48	—	—
36"	4'-8"	6'-0"	110	1.88	125	2.15	140	2.41	155	2.68	170	2.95
39"	4'-11"	6'-3"	—	—	150	2.28	170	2.56	185	2.84	200	3.12
42"	5'-2"	6'-9"	—	—	155	2.42	175	2.76	190	3.05	210	3.34
45"	5'-5"	7'-3"	—	—	—	—	180	2.97	200	3.27	215	3.57
48"	5'-8"	7'-6"	—	—	—	—	190	3.13	215	3.44	230	3.75
51"	5'-11"	8'-0"	—	—	—	—	—	—	220	3.67	235	3.99
54"	6'-2"	8'-6"	—	—	—	—	—	—	235	3.91	250	4.24

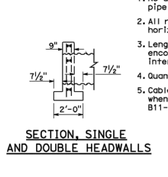
"L" HEADWALLS
CIRCULAR PIPE CULVERT HEADWALLS



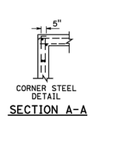
FRONT ELEVATION SINGLE HEADWALL FRONT ELEVATION DOUBLE HEADWALL

CMP ARCH SIZE	H	L	SINGLE STEEL LB	SINGLE Conc CY	L	DOUBLE STEEL LB	DOUBLE Conc CY
21" x 15"	2'-11"	6'-6"	45	0.80	10'-0"	60	1.22
24" x 18"	3'-2"	7'-6"	50	0.96	11'-6"	70	1.45
28" x 20"	3'-4"	8'-6"	60	1.12	13'-6"	90	1.76
35" x 24"	3'-8"	10'-6"	85	1.41	15'-6"	120	2.16
42" x 29"	4'-1"	12'-6"	110	1.76	18'-0"	145	2.57
49" x 33"	4'-5"	14'-6"	130	2.26	21'-0"	170	3.13
57" x 38"	4'-10"	17'-0"	155	2.81	24'-6"	210	3.86
64" x 43"	5'-3"	19'-0"	175	3.31	27'-0"	230	4.42
71" x 47"	5'-7"	21'-0"	195	3.81	30'-0"	255	5.09

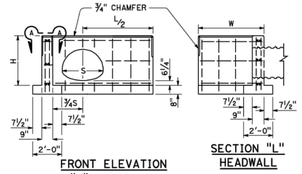
STRAIGHT HEADWALLS



SECTION, SINGLE AND DOUBLE HEADWALLS



SECTION A-A



FRONT ELEVATION "L" HEADWALL SECTION "L" HEADWALL

CMP ARCH SIZE	H	L/2	LENGTH OF W 3'-4" STEEL LB	3'-4" Conc CY	4'-10" STEEL LB	4'-10" Conc CY	6'-4" STEEL LB	6'-4" Conc CY	7'-10" STEEL LB	7'-10" Conc CY	9'-4" STEEL LB	9'-4" Conc CY
21" x 15"	2'-11"	3'-3"	60	1.00	65	1.18	75	1.38	90	1.58	100	1.77
24" x 18"	3'-2"	3'-9"	60	1.07	70	1.32	80	1.53	95	1.74	110	1.94
28" x 20"	3'-4"	4'-3"	70	1.26	80	1.47	90	1.68	100	1.90	115	2.11
35" x 24"	3'-8"	5'-3"	100	1.51	110	1.74	120	1.97	140	2.20	155	2.42
42" x 29"	4'-1"	6'-3"	115	1.82	130	2.06	140	2.31	155	2.55	170	2.83
49" x 33"	4'-5"	7'-3"	130	2.12	145	2.37	155	2.64	170	2.90	185	3.15
57" x 38"	4'-10"	8'-6"	145	2.52	160	2.79	175	3.07	190	3.35	205	3.61
64" x 43"	5'-3"	9'-6"	185	2.89	200	3.11	215	3.48	235	3.77	250	4.06
71" x 47"	5'-7"	10'-6"	200	3.25	215	3.56	235	3.86	250	4.17	270	4.48

"L" HEADWALLS
CORRUGATED METAL PIPE ARCH CULVERT HEADWALLS

NOTES:

1. No deduction made in quantities for thickness of pipe walls.
2. All reinforcing steel #4 bars. All vertical and horizontal tie bars 1'-6" maximum spacing.
3. Length of wall "W" may be varied to suit conditions encountered in the fleld, and straight line interpolation may be used to calculate quantities.
4. Quantities are for design purposes only.
5. Cable railing to be installed on top of headwall when shown on Project Plans. See Standard Plan B11-47 for cable railing details.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PIPE CULVERT HEADWALLS STRAIGHT AND "L"

NO SCALE

D89

6 C-7.3 **CALTRANS STANDARD DETAIL D89**
NTS

2010 STANDARD PLAN D89

188

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — No. C79333 — CIVIL — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS - LAND SURVEYORS
BAY AREA REGION — 2495 INDUSTRIAL PKWY WEST, HAYWARD, CA 94545, (P) (510) 887-4086, (F) (510) 887-3019
SACRAMENTO REGION — 3017 DOUGLAS BLVD. # 300, ROSEVILLE, CA 95661, (P) (916)966-1338, (F) (916)797-7363
WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

DIst	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
Glenn DeCou
May 20, 2011
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
REGISTERED PROFESSIONAL ENGINEER — Glenn DeCou — C34547 — Exp. 9-30-11 — CIVIL — STATE OF CALIFORNIA

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
DETAILS

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-7.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE ARCHITECT

PLOT: 2/16/2021 11:06:44 AM

CAUTION:

1. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION– PHONE (800) 642–2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.

2. THE LOCATION, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.

GENERAL SITE NOTES:

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.

2. ALL WORK IN THE PUBLIC RIGHT–OF–WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.

3. PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO OWNER'S PROJECT MANAGER AND CIVIL ENGINEER.

4. ALL GENERAL NOTES, SHEET NOTES, AND LEGEND NOTES FOUND IN THESE DOCUMENTS SHALL APPLY TYPICALLY THROUGHOUT. IF INCONSISTENCIES ARE FOUND IN THE VARIOUS NOTATIONS, NOTIFY THE ENGINEER IMMEDIATELY IN WRITING REQUESTING CLARIFICATION.

5. THESE DRAWINGS AND THEIR CONTENT ARE AND SHALL REMAIN THE PROPERTY OF LEA AND BRAZE ENGINEERING, INC. WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT, THEY ARE NOT TO BE USED BY ANY PERSONS ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ENGINEER.

6. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND TRADE STANDARDS WHICH GOVERN EACH PHASE OF WORK INCLUDING, BUT NOT LIMITED TO, CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE, CALTRANS STANDARDS AND SPECIFICATIONS, AND ALL APPLICABLE STATE AND/OR LOCAL CODES AND/OR LEGISLATION.

7. COMMENCEMENT OF WORK BY THE CONTRACTOR AND/OR ANY SUBCONTRACTOR SHALL INDICATE KNOWLEDGE AND ACCEPTANCE OF ALL CONDITIONS DESCRIBED IN THESE CONSTRUCTION DOCUMENTS, OR EXISTING ON SITE, WHICH COULD AFFECT THEIR WORK.

8. DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBLE OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.

9. CONTRACTOR SHALL REPLACE ALL STRUCTURES AND GRATE LIDS FOR VAULTS, CATCH BASINS, ETC.., WITH VEHICULAR–RATED STRUCTURES IN ALL TRAFFIC ACCESSIBLE AREAS.

10. THE CONTRACTOR SHALL ADJUST TO FINAL GRADE ALL EXISTING AND/OR NEW MANHOLES, CURB INLETS, CATCH BASIN, VALVES, MONUMENT COVERS, AND OTHER CASTINGS WITHIN THE WORK AREA TO FINAL GRADE IN PAVEMENT AND LANDSCAPE AREAS UNLESS NOTED OTHERWISE.

11. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER, THE CONSULTING ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE CONSULTING ENGINEER.

12. EXISTING PEDESTRIAN WALKWAYS. BIKE PATHS AND ACCESSIBLE ACCESS PATHWAYS SHALL BE MAINTAINED, WHERE FEASIBLE, DURING CONSTRUCTION.

13. IF A CONFLICT ARISES BETWEEN THE SPECIFICATIONS AND THE PLANS NOTES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

14. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

15. THE DUTY OF THE ENGINEERS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.

16. NEITHER THE FINAL PAYMENT, NOR THE PROVISIONS IN THE CONTRACT, NOR PARTIAL, NOR ENTIRE USE OR OCCUPANCY OF THE PREMISES BY THE OWNER SHALL CONSTITUTE AN ACCEPTANCE OF THE WORK NOT DONE IN ACCORDANCE WITH THE CONTRACT OR RELIEVES THE CONTRACTOR OF LIABILITY IN RESPECT TO ANY EXPRESS WARRANTIES OR RESPONSIBILITY FOR FAULTY MATERIAL OR WORKMANSHIP.

17. THE CONTRACTOR SHALL REMEDY ANY DEFECTS IN WORK AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THERE FROM WHICH SHALL APPEAR WITHIN A PERIOD OF ONE (1) CALENDAR YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.

18. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

SITE FENCING NOTES:

1. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.

2. FENCE LOCATION MAY BE ADJUSTED FROM TIME TO TIME AS CONSTRUCTION PROCEEDS TO EXCLUDE SOME AREAS WHERE CONSTRUCTION WORK IS NOT BEING DONE AND THE AREA IS NOT OBJECTIONABLE IN VISUAL APPEARANCE, AT THE DISCRETION AND APPROVAL OF THE DISTRICT STAFF.

3. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK FENCE WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.

4. CONTRACTOR SHALL REPLACE THE GREEN FABRIC AT LEAST ONCE A YEAR OR AT SUCH A TIME AS IT BECOMES TATTERED AND UNSIGHTLY DUE TO WIND OR CONSTRUCTION ACTIVITIES.

DEMOLITION NOTES:

1. CONTRACTOR IS TO COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).

2. THE CONTRACTOR SHALL LOCATE AND CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES THAT ARE IN OR NEAR THE AREA OF CONSTRUCTION.

3. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND STATE JURISDICTIONS.

6. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH DISPOSAL OF MATERIALS.

7. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION OF FOUNDATIONS & UTILITIES TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.

8. WITHIN LIMITS OF WORK, REMOVE CURBS, GUTTERS, LANDSCAPING, SIGNAGE, TREES, SCRUBS, ASPHALT, UNDERGROUND PIPES, ETC. AS INDICATED ON THE PLANS AND SPECIFICATIONS.

9. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.

10. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION PLAN & DETAILS.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING ALL DEMOLITION MATERIALS, OR STORING SELECTED ITEMS BY OWNER'S REPRESENTATIVE AT DESIGNATED LOCATIONS.

12. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.

13. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OF ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.

14. COORDINATE WITH ELECTRICAL, MECHANICAL, LANDSCAPING AND ARCHITECTURAL DRAWINGS FOR UTILITY SHUT–DOWN / DISCONNECT LOCATIONS. CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE DEVELOPER / OWNER. DO NOT INTERRUPT SERVICES ADJACENT OFF–SITE OWNERS. ALSO SEE ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.

15. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS ASSOCIATED WITH THE UTILITY, RETAINING WALL, FENCE, TREE OR BUILDING, INCLUDING BUT NOT LIMITED TO FOOTINGS, VALVES, ROOTS, BACKFILL, ETC. AND SHALL INCLUDE PREPARING THE SITE FOR NEW UTILITIES, BUILDINGS, RETAINING WALLS, ETC.

16. ALL MATERIALS TO BE DEMOLISHED AND REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY DISPOSED OF OFF–SITE.

17. THE PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OR WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.

18. ALL ABANDONED BUILDINGS AND FOUNDATIONS, TREE (EXCEPT THOSE SPECIFIED TO REMAIN FOR LANDSCAPING PURPOSES), FENCES, VEGETATION AND ANY SURFACE DEBRIS SHALL BE REMOVED AND DISPOSED OF OFF THE SITE BY THE CONTRACTOR.

19. ALL ABANDONED SEPTIC TANKS AND ANY OTHER SUBSURFACE STRUCTURES EXISTING IN PROPOSED DEVELOPMENT AREAS SHALL BE REMOVED PRIOR TO ANY GRADING OR FILL OPERATION. ALL APPURTENANT DRAIN FIELDS AND OTHER CONNECTING LINES MUST ALSO BE TOTALLY REMOVED.

20. ALL ABANDONED UNDERGROUND IRRIGATION OR UTILITY LINES SHALL BE REMOVED OR DEMOLISHED. THE APPROPRIATE FINAL DISPOSITION OF SUCH LINES DEPEND UPON THEIR DEPTH AND LOCATION AND THE METHOD OF REMOVAL OR DEMOLITION SHALL BE DETERMINED BY THE SOILS ENGINEER. ONE OF THE FOLLOWING METHODS WILL BE USED:

A. EXCAVATE AND TOTALLY REMOVE THE UTILITY LINE FROM THE TRENCH.

B. EXCAVATE AND CRUSH THE UTILITY LINE IN THE TRENCH.

C. CAP THE ENDS OF THE UTILITY LINE WITH CONCRETE TO PREVENT THE ENTRANCE OF WATER. THE LOCATIONS AT WHICH THE UTILITY LINE WILL BE CAPPED WILL BE DETERMINED BY THE CITY ENGINEER. THE LENGTH OF THE CAP SHALL NOT BE LESS THAN FIVE FEET, AND THE CONCRETED MIX EMPLOYED SHALL HAVE MINIMUM SHRINKAGE.

EXISTING CONDITIONS:

1. EXISTING TOPOGRAPHIC SURVEY PERFORMED BY LEA & BRAZE ENGINEERING DATED 09–27–12 (JOB #2120439) GRADES ENCOUNTERED ON–SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.

SURVEYOR'S NOTES:

THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF IT'S DELINEATE OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED. BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

GRADING AND EARTHWORK NOTES:

1. ALL PAVED AREAS ARE TO SLOPE AT A MINIMUM OF 1 %. ACCESSIBLE STALLS AND LOADING ZONES ARE TO SLOPE AT A MAXIMUM OF 2% IN ANY DIRECTION AND ACCESSIBLE PATHWAYS ARE TO SLOPE AT A MAXIMUM OF 8.33% WITH A MAXIMUM CROSS SLOPE OF 2 %. ANY AREAS ON THE SITE NOT CONFORMING TO THESE BASIC RULES DUE TO EXISTING CONDITIONS OR DISCREPANCIES IN THE DOCUMENTS ARE TO BE REPORTED THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH FORMWORK FOR CURBS AND/OR FLATWORK.

2. CONTRACTOR SHALL DETERMINE EARTHWORK QUANTITIES BASED ON THE TOPOGRAPHIC SURVEY, THE SOILS INVESTIGATION AND THE PROPOSED SURFACE GRADES AND BASE THE BID ACCORDINGLY. ANY DIFFERENCES BETWEEN THE STATE IN WHICH THE PROJECT SITE IS DELIVERED TO THE CONTRACTOR AND THESE DOCUMENTS SHOULD BE NOTED TO THE CIVIL ENGINEER.

3. ALL FILL SHALL BE COMPACTED PER THE CONSTRUCTION SPECIFICATIONS AND THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE OWNERS TESTING AGENCY TO TAKE THE APPROPRIATE TEST TO VERIFY COMPACTION VALUES.

4. IMPORT SOILS MUST MEET THE REQUIREMENTS OF THE SOILS REPORT AND SPECIFICATIONS.

5. COORDINATE THE PLACEMENT OF ALL SLEEVES FOR LANDSCAPE IRRIGATION (WATER AND CONTROL WIRING) AND STREET LIGHTING PRIOR TO THE PLACEMENT OF ANY ASPHALT, BASEROCK, OR CONCRETE SURFACING. SEE LANDSCAPE AND SITE ELECTRICAL DRAWINGS.

6. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF ENGINEER

7. SPOT ELEVATIONS ARE TO FINISHED SURFACE.

8. TOP OF CONCRETE CURBS ARE 0.50" ABOVE TOP OF PAVING ELEVATIONS, U.N.O.

9. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITH IN 0.05'.

10. AFTER STAKING FOR HORIZONTAL CONTROL CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THEN 0.05' TO ARCH/ENGR.

11. ALL EXISTING UTILITY STRUCTURES WITHIN THE AREA OF WORK SHALL HAVE THE LIDS, GRATES, COVERS, ETC. ADJUSTED TO BE FLUSH WITH FINISHED GRADES, CONTRACTOR SHALL IDENTIFY ALL SUCH ITEMS BY USE OF THESE PLANS AND THOROUGH FIELD INVESTIGATION.

12. GEOTECHNICAL CONSULTANT SHALL BE NOTIFIED AT LEAST 3 BUSINESS DAYS PRIOR TO THE DELIVERY OF ALL IMPORTED SOILS TO SITE FOR HIS/HER INSPECTION AND APPROVAL PRIOR TO PLACING BY CONTRACTOR.

13. THESE SPECIFICATIONS AND APPLICABLE PLANS PERTAIN TO AND INCLUDE ALL SITE GRADING AND EARTHWORK ASSOCIATED WITH THE PROJECT INCLUDING, BUT NOT LIMITED TO THE FURNISHING OF ALL LABOR, TOOLS AND EQUIPMENT NECESSARY FOR SITE CLEARING AND GRUBBING, SITE PREPARATION, DISPOSAL OF EXCESS OR UNSUITABLE MATERIAL, STRIPPING, KEYING, EXCAVATION, OVER EXCAVATION, RECOMPACTION PREPARATION FOR SOIL RECEIVING FILL, PAVEMENT, FOUNDATION OF SLABS, EXCAVATION, IMPORTATION OF ANY REQUIRED FILL MATERIAL, PROCESSING, PLACEMENT AND COMPACTION OF FILL AND SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADING AND SLOPE SHOWN ON THE PROJECT GRADING PLANS.

14. ALL FILL MATERIALS SHALL BE DENSIFIED SO AS TO PRODUCE A DENSITY NOT LESS THAN 90% RELATIVE COMPACTION BASED UPON ASTM TEST DESIGNATION D1557. FIELD DENSITY TEST WILL BE PERFORMED IN ACCORDANCE WITH ASTM TEST DESIGNATION 2922 AND 3017. THE LOCATION AND FREQUENCY OF THE FIELD DENSITY TEST WILL BE AS DETERMINED BY THE SOIL ENGINEER. THE RESULTS OF THESE TEST AND COMPLIANCE WITH THE SPECIFICATIONS WILL BE THE BASIS UPON WHICH SATISFACTORY COMPLETION OF THE WORK WILL BE JUDGED BY THE SOIL ENGINEER. ALL CUT AND FILL SLOPES SHALL BE CONSTRUCTED AS SHOWN ON PLANS, BUT NO STEEPER THAN TWO (2) HORIZONTAL TO ONE (1) VERTICAL.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SATISFACTORY COMPLETION OF ALL THE EARTHWORK IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. NO DEVIATION FROM THESE SPECIFICATIONS SHALL BE MADE EXCEPT UPON WRITTEN APPROVAL BY THE SOILS ENGINEER. BOTH CUT AND FILL AREAS SHALL BE SURFACE COMPLETED TO THE SATISFACTION OF THE SOILS ENGINEER AT THE CONCLUSION OF ALL GRADING OPERATIONS AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL NOTIFY THE SOILS ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO DOING ANY SITE GRADING AND EARTHWORK INCLUDING CLEARING.

STORM DRAIN NOTES:

1. ALL STORM DRAIN PIPE SHALL BE PVC SDR 35, SLOPED AT 2% UNLESS OTHERWISE SPECIFIED ON THE PLANS. PIPE SHALL BE SIZED AS SPECIFIED ON THE PLANS. ALL DIRECTION CHANGES SHALL BE MADE WITH A WYE CONNECTION OR LONG SWEEP ELBOWS, REGULAR ELBOWS, AND TEE'S SHOULD BE AVOIDED.

2. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATE 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION– STORM DRAIN LINE BELOW", CALPICO TYPE 2 OR EQUAL.

3. PAINT THE TOP OF THE CURBS ADJACENT TO EACH CATCH BASIN INSTALLED UNDER THE WORK OR ADJACENT TO THIS SITE WITH THE WORDS "NO DUMPING". WORDING TO BE BLUE 4" HIGH LETTERS ON A PAINTED WHITE BACKGROUND.

4. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.

5. ALL TRENCHES SHALL BE BACKFILLED PER THE SPECIFICATIONS WITH APPROPRIATE TEST BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.

6. FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS ARE TO BE CONNECTED TO OR CROSSED PRIOR TO TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.

7. COMPLETE SYSTEMS; ALL UTILITY SYSTEMS ARE DELINEATED IN SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES, AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.

8. PRIVATE STORM DRAIN LINE 4–INCH THROUGH 12– INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON–TRAFFIC AREAS SHALL BE POLYVINAL CHLORIDE (PVC) SDR 35.

9. PRIVATE STORM DRAIN LINE 6–INCH THROUGH 12–INCH WITH LESS THEN 3 FEET OF COVER IN VEHICULAR TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) C900, RATED 150 PSI CLASS PIPE.

10. ALL DOWN SPOUTS SHALL DISCHARGE DIRECTLY ON TO ADJACENT IMPERVIOUS SURFACES OR SPLASH BLOCKS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.

STORM WATER POLLUTIONS PREVENTION REQUIREMENTS:

1. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.

2. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING SOLID WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASH WATER OR SEDIMENT, AND NON–STORMWATER DISCHARGES TO STORM DRAINS AND WATER COURSES.

3. USE SEDIMENT CONTROL OR FILTRATION TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.

4. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON SITE, EXCEPT IN A DESIGNATED AREA IN WHICH RUNOFF IS CONTAINED AND TREATED.

5. DELINEATE CLEARING LIMITS, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES AND DISCHARGE COURSE WITH FIELD MARKERS.

6. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OF FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.

7. PERFORM CLEARING AND EARTH MOVING ACTIVITIES DURING DRY WEATHER TO THE MAXIMUM EXTENT PRACTICAL.

8. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.

9. LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.

10. AVOID TRACKING DIRT OR MATERIALS OFF–SITE; CLEAN OFF–SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS TO THE MAXIMUM EXTENT PRACTICAL.

11. ALL CONSTRUCTION ON OFF–SITE IMPROVEMENTS SHALL ADHERE TO BEST MANAGEMENT PRACTICES TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY OR COUNTY STORM DRAIN SYSTEM.

12. SWEEP ALL GUTTERS AT THE END OF EACH WORKING DAY. GUTTERS SHALL BE KEPT CLEAN AFTER LEAVING CONSTRUCTION SITE.

SUPPLEMENTAL MEASURES:

A. THE PHRASE "NO DUMPING – DRAINS TO BAY" OR EQUALLY EFFECTIVE PHRASE MUST BE LABELED ON STORM DRAIN INLETS (BY STENCILING, BRANDING, OR PLAQUES) TO ALERT THE PUBLIC TO THE DESTINATION OF STORM WATER AND TO PREVENT DIRECT DISCHARGE OF POLLUTANTS INTO THE STORM DRAIN.

B. USING FILTRATION MATERIALS ON STORM DRAIN COVERS TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.

C. STABILIZING ALL DENUDED AREAS AND MAINTAINING EROSION CONTROL MEASURES CONTINUOUSLY FROM OCTOBER 15 AND APRIL 15.

D. REMOVING SPOILS PROMPTLY, AND AVOID STOCKPILING OF FILL MATERIALS, WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCKPILED SOILS AND OTHER MATERIALS SHALL BE COVERED WITH A TARP OR OTHER WATERPROOF MATERIAL.

E. STORING, HANDLING, AND DISPOSING OF CONSTRUCTION MATERIALS AND WASTES SO AS TO AVOID THEIR ENTRY TO THE STORM DRAIN SYSTEMS OR WATER BODY.

F. AVOIDING CLEANING, FUELING, OR MAINTAINING VEHICLES ON–SITE, EXCEPT IN AN AREA DESIGNATED TO CONTAIN AND TREAT RUNOFF.

SITE MAINTENANCE:

1. REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.

2. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON–SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED–ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.

3. CONTRACTOR SHALL: GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.

4. IF THE STREET, SIDEWALKS AND/OR PARKING LOT ARE PRESSURE WASHED, DEBRIS MUST BE TRAPPED AND COLLECTED TO PREVENT ENTRY INTO THE STORM DRAIN SYSTEM. NO CLEANING AGENT MAY BE DISCHARGED INTO THE STORM DRAIN. IF ANY CLEANING AGENT OR DEGREASER IS USED, WASHED WATER MUST BE COLLECTED AND DISCHARGED TO THE SANITARY SEWER, SUBJECT TO THE APPROVAL OF THE OWNER'S PROJECT MANAGER, OR OTHERWISE DISPOSED OF THROUGH APPROVED DISPOSAL METHODS.

5. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIAL USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING WIND–BLOWN OR IN THE EVENT OF A MATERIAL SPILL.

6. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.

7. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.

8. THE ON–SITE STORM DRAIN FACILITIES SHALL BE CLEANED A MINIMUM OF TWICE A YEAR AS FOLLOWS: IMMEDIATELY PRIOR TO OCTOBER 15TH AND ONCE IN JANUARY. ADDITIONAL CLEANING MAY BE REQUIRED IF FOUND NECESSARY BY THE CITY ENGINEER/INSPECTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH CLEANING.

9. PREVENT DUST FROM LEAVING THE SITE AND ACCUMULATING ON ADJACENT AREAS AS REQUIRED IN THE DUST CONTROL NOTES ON THIS SHEET.

10. PREVENT SEDIMENT LADEN STORM RUN–OFF FROM LEAVING THE SITE OR ENTERING STORM DRAIN OR SANITARY SEWER SYSTEMS AS REQUIRED IN THE EROSION AND SEDIMENTATION CONTROL NOTES ON THIS SHEET.

11. MAINTAIN EXISTING TREES AND PLANTS THAT ARE TO REMAIN AS REQUIRED BY THE TREE AND PLANT PROTECTION NOTES ON THE SHEET.

NOTE:
THESE NOTES ARE INTENDED TO BE USED AS A GENERAL GUIDELINE. THE REFERENCED SOILS REPORT FOR THE PROJECT AND GOVERNING AGENCY GRADING ORDINANCE SHALL SUPERSEDE THESE NOTES. THE SOILS ENGINEER MAY MAKE ON–SITE RECOMMENDATIONS DURING GRADING OPERATIONS.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — MATTHEW CARLTON HAGEY — No. C79338 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09–06–18	GRADING PERMIT PLAN CHECK 4
12–21–18	PERMIT RES

DUST CONTROL NOTES:

1. WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE APPROPRIATE GOVERNMENTAL AGENCY IN ORDER TO ENSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.

2. WATERING ASSOCIATED WITH ON-SITE CONSTRUCTION ACTIVITY SHALL TAKE PLACE BETWEEN THE ESTABLISHED CONSTRUCTION HOURS AND SHALL INCLUDE AT LEAST ONE LATE-AFTERNOON WATERING TO MINIMIZE THE EFFECTS OF BLOWING DUST.

3. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEPT ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE OWNER'S ENGINEER/INSPECTOR, TO THE SATISFACTION OF THE CITY'S DEPARTMENT OF PUBLIC WORKS.

4. WATERING ON PUBLIC STREETS OR POWER WASHING SEDIMENTATION ON STREETS SHALL NOT OCCUR, UNLESS CONTRACTOR COLLECTS AND FILTERS THE WASH WATER PRIOR TO ITS ENTERING THE CITY'S STORM DRAIN SYSTEM.

5. ON-SITE PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS SHALL BE SWEPT DAILY WITH A WATER SWEEPER.

6. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.

7. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE PROJECT SWPPP AT ALL TIMES. THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE CITY RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.

8. THE PERMITEE IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS. ALL GRADING OPERATIONS SHALL BE SUSPENDED DURING SECOND (OR WORSE) STAGE SMOG ALERTS.

9. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.

EARTHWORK QUANTITY NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUANTITIES OF ALL FORMS OF EARTHWORK ON THIS PROJECT AND BASING THE BID ON THOSE QUANTITIES WITH FULL KNOWLEDGE THAT ADDITIONAL PROCESSES – INCLUDING ENGINEERING – AND QUANTITIES ARE ALSO TO BE INCLUDED IN THE BID PER THE FOLLOWING NOTES.

2. THE CONTRACTOR SHALL MAKE AN INITIAL DETERMINATION OF THE QUANTITIES, BASED ON A DETAILED SITE VISIT. THE TOPOGRAPHIC SURVEY, THE GEOTECHNICAL REPORT, THE FINISH GRADES SHOWN ON THESE DRAWINGS, THE SIZE AND EXTENT OF FOOTINGS, THE PREPARATION AND MATERIALS USED FOR BUILDING SLABS, PAVEMENT SECTIONS, AND THE SIZE AND DEPTH OF UTILITY TRENCHES, INCLUDING THE UTILITY CONTRACTORS ANTICIPATED RE-USE OF EXISTING MATERIAL FOR BACKFILL IF ANY.

3. THE CONTRACTOR SHALL MEET THE GRADES SHOWN ON THE DRAWINGS, ADJUSTING THE AMOUNT OF IMPORT OR EXPORT AS REQUIRED TO DO SO. NO ASSUMPTIONS SHOULD BE MADE ABOUT THE SITE BALANCING. NO ADJUSTMENTS TO THE GRADE SHALL BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ARCH/ENGR IN WRITING AFTER THE IMPACT OF ANY GRADE CHANGES (IMPACT TO RAMPS, STAIRS, WORK BY OTHERS, ETC.) HAS BEEN THOROUGHLY REVIEWED BY THE ARCH/ENGR. WHEN PREPARING THE EARTHWORK BIDS, DO NOT ASSUME ANY CHANGES TO THE FINISHED GRADES SHOWN ON THESE DRAWINGS WILL BE PERMITTED.

RECORD DRAWINGS:

1. THE CONTRACTOR SHALL KEEP UP-TO-DATE AND ACCURATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. PRINTS SHALL BE SUBMITTED TO THE CITY ENGINEER AND DEVELOPERS CIVIL ENGINEER PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE CITY/TOWN ENGINEER AND DEVELOPER'S CIVIL ENGINEER.

SIGNING & STRIPING NOTES:

1. ALL SIGNING AND STRIPING TO BE PER CALTRANS STANDARDS UNLESS NOTED TO BE PER CITY STANDARDS.

2. ALL SIGNS FOR MOTORIST DIRECTIONS SHALL BE METAL WITH BEADED REFLECTIVE PAINT. SUPPORTING POSTS SHALL BE 2-1/2" DIAMETER GALVANIZED PIPE CAST INTO A 10" DIAMETER BY 24" DEEP CONCRETE FOOTING BOTTOM OF SIGN SHALL BE 72" ABOVE FINISH GRADE, UNLESS NOTED OTHERWISE.

3. WHERE THE FOLLOWING SYMBOLS OCCUR ON THE DRAWINGS PROVIDE THE SPECIFIED SIGNING AND/OR STRIPING.

A. PROVIDE A VAN ACCESSIBLE STALL WITH BOTH PAVEMENT MARKINGS AND FREE-STANDING SIGN AS IDENTIFIED IN DETAIL:

B. PROVIDE CALTRANS TYPE IV(L) (RSP A24A)

C. PROVIDE CALTRANS TYPE IV(R) (RSP A24A)

D. PROVIDE 1' WIDE x 10' LONG WHITE LINE W/ CALTRANS A24D STOP MARKER

E. FIRE LANE – MUST BE PAINTED RED WITH "FIRE LANE NO PARKING". 3" HEIGHT WHITE LETTER EVERY 25'.

F. LOADING AND UNLOADING ZONE – MUST BE PAINTED YELLOW WITH "LOADING / UNLOADING NO PARKING". 3" HEIGHT LETTER EVERY 25'.

4. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE PROTECTED WITH ADEQUATE BARRICADES, LIGHTS, SIGNS AND WARNING DEVICES AS PER THE CURRENT STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, MANUAL OF TRAFFIC CONTROLS AND TO THE DIRECTION OF THE CITY'S INSPECTOR.

GENERAL UTILITY SYSTEM NOTES:

1. ALL TRENCHES SHALL BE BACKFILLED PER THE GEOTECHNICAL ENGINEER RECCOMMENDATIONS.

2. CLEAN OUTS, CATCH BASINS AND AREA DRAINS ARE TO BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE BUILDING, FLATWORK, ROOF DRAINS, AND/OR CURB LAYOUT, NOT BY THE LENGTH OF PIPE SPECIFIED IN THE DRAWINGS (WHICH IS APPROXIMATE).

3. CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, SATELLITE DISH, TRANSFORMER, GAS METER, ETC.) AND MEET WITH OWNER TO REVIEW LOCATION PRIOR TO INSTALLATION. PLANNING DEPARTMENT MUST SPECIFICALLY AGREE WITH LOCATION PRIOR TO PROCEEDING WITH THE INSTALLATION.

4. CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATION OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK. THE UTILITIES SHOWN ON THE CIVIL DRAWINGS, AND THE SITE POWER, CONDUITS AND LIGHTING SHOWN ON THE ELECTRICAL PLANS. THE FIRE SPRINKLER SYSTEM SHALL BE INCLUDED AS DESIGNED BY THE DESIGN/BUILD UNDERGROUND FIRE SPRINKLER CONTRACTOR.

5. CATHODIC PROTECTION MAY BE REQUIRED ON ALL METALLIC FITTINGS AND ASSEMBLIES THAT ARE IN CONTACT WITH SOIL, IF RECOMMENDED BY THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE TO FULLY ENGINEER AND INSTALL THIS SYSTEM AND COORDINATE ANODE AND TEST STATION LOCATIONS WITH THE OWNER'S PROJECT MANAGER.

6. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES, AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.

7. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON RECORD INFORMATION. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE ON THE ACCURACY OR COMPLETENESS FOR THE INFORMATION SHOWN. THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD THE UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THOSE REPORTED OR SHOWN ON RECORDS EXAMINED.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES FROM DAMAGE DURING COMPACTION OF ROADWAY SUBGRADE AND PRIOR TO PLACEMENT OF FINAL PAVEMENT SECTIONS.

9. CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FPR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UP STREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY. CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SEWER LATERAL WITH OWNER PRIOR TO CONSTRUCTION.

10. EXISTING UTILITY CROSSINGS OF THE NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. GAS, WATER AND SEWER, SERVICE LATERALS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.

11. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE TO BE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ENSURE THAT THERE IS SUFFICIENT CLEARANCE.

VERTICAL SEPARATION REQUIREMENTS:
A MINIMUM OF SIX (6) INCHES VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY SEWER PIPELINES.

WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES. WATER LINE PIPE ENDS SHALL BE INSTALLED NO CLOSER THEN 10' MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS WHERE FEASIBLE.

HORIZONTAL SEPARATION REQUIREMENTS:

12. A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5' FEET EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY SEWER PIPELINES SHALL BE 10' MINIMUM, UNLESS OTHERWISE NOTED.

A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.

GENERAL UTILITY SYSTEM NOTES:

1. THE UNDERGROUND FIRE PROTECTION SYSTEM SHOWN ON THIS DRAWING IS SCHEMATIC AND IS NOT INTENDED TO BE AN INSTALLATION DRAWING. THE UTILITY DRAWING IN THIS SET OF DOCUMENTS SHALL NOT BE USED AS A BASE SHEET FOR SHOP DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE CIVIL ENGINEER.

2. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL PREPARE SHOP DRAWINGS SHOWING ALL INFORMATION REQUIRED BY THE LOCAL FIRE MARSHALL, INCLUDING LOCATION, TYPE AND NUMBER OF ANGLES, THRUST BLOCKS, VALVES, FIRE HYDRANTS, PIV'S, FDC'S, BACKFLOW ASSEMBLIES, FLEXIBLE CONNECTIONS, VAULTS, AND FLOW CALCULATIONS TO FIRE HYDRANTS, AND SPRINKLER RISERS PER THE FIRE FLOW REQUIRED BY LOCAL FIRE DEPARTMENT.

3. SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL FIRE MARSHALL, THE RATING AGENCY, AND THE CIVIL ENGINEER, ALLOWING TIME TO REVIEW AND ACCEPTANCE, PRIOR TO START OF WORK.

4. THE UNDERGROUND FIRE PROTECTION INSTALLER SHALL OBTAIN ALL APPROVALS AND PERMITS PRIOR TO ORDERING MATERIALS, FABRICATING SYSTEMS OR ANY INSTALLATION.

5. BOTTOM OF BACKFLOW PREVENTOR OR ASSEMBLY TO BE INSTALLED NO GREATER OR LESS THEN 12" FROM FINISH GRADE UNLESS APPROVED BY CIVIL ENGINEER.

6. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS AND EQUIPMENT LOCATIONS. RISER LOCATIONS ARE SHOWN ON ARCHITECTURAL AND PLUMBING DRAWINGS AND ARE TO BE COORDINATED WITH THE ACTUAL FIELD CONDITIONS.

7. INSTALL MONITORED TAMPER SWITCHES AT ALL PIV'S AND VALVES ON DECTOR CHECK ASSEMBLIES.

8. INSTALL DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" -12" BELOW THE SURFACE, BLUE, IMPRINTED WITH "CAUTION- FIRE SERVICE LINE BELOW", CALPICO TYPE 2 OR EQUAL.

9. MIN. 5 FEET CLEARANCE FROM BACK OF CURB TO FH'S, PIV'S, AND FDC'S.

10. UNDERGROUND FIRE PROTECTION SYSTEM INCLUDING HYDRANT ASSEMBLY, P.I.V., F.D.C., FITTING PIPE AND THRUSTBLOCKES TO BE IN ACCORDANCE WITH LOCAL FIRE PROTECTION DISTRICT SPECIFICATIONS, REQUIREMENTS AND NOTES.

WATER NOTES:

1. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE THE TOP OF THE SANITARY SEWER LINES.

2. WATER LINES ARE SHOWN SCHEMATICALLY; CONTRACTOR SHALL IDENTIFY EACH ANGLE AND/ OR BEND THAT MAY BE REQUIRED TO ACCOMPLISH THE INTENDED DESIGN.

3. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE, TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-WATER LINE BELOW", CALPICO TYPE 2 OR EQUAL.

4. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY/TOWN OR APPLICABLE WATER DISTRICT STANDARDS. .

5. PUBLIC AND PRIVATE WATER MAIN AND WATER SERVICE LINE 4-INCH THROUGH 12-INCH SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) AND SHALL MEET AWWA PE 3608 HIGH DENSITY POLYETHYLENE PIPE, RATED FOR 200 PSI CLASS PIPE WITH EPOXY COATED DUCTILE IRON FITTINGS AND FUSION EPOXY COATED GATE VALVES. ALL JOINTS SHALL FACTORY MANUFACTURED WITH BELL AND SPIGOT ENDS AND RUBBER GASKETS. NONMETALLIC WATER LINES HAVE TRACER WIRE INSTALLED PER CITY/TOWN STANDARDS.

6. CONNECTION TO THE EXISTING WATER MAIN SHALL BE APPROVED BY THE CITY/TOWN. THE DEVELOPER SHALL PAY THE ACTUAL COSTS OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION PREPARE THE SITE, FURNISH ALL MATERIALS, INSTALL TAPPING TEE VALVE AND ALL THRUST BLOCKS. BACKFILL, RESTORE THE SURFACE, AND CLEANUP. THE CITY WILL PROVIDE THE DEVELOPER WITH A LIST OF APPROVED CONTRACTORS FOR MAKING WET TAPS. NONMETALLIC WATER LINES SHALL HAVE TRACER WIRES INSTALLED.

7. ALL WATER LINES 3" OR SMALLER SHALL BE TYPE K COPPER WITH SILVER BRAZED JOINTS (OR HDPE IS COUNTY ALLOWED FOR ALTERNATIVE) . CONTRACTOR TO VERIFY PRESSURES FROM EXISTING LINES ARE ADEQUATE TO SERVICE BUILDINGS AS SPECIFIED BY THE PLUMBING PLANS.

8. ALL WATER LINES SHALL BE INSTALLED WITH 3' MINIMUM COVER.

9. ALL WATER VALVES SHALL BE PER CITY\WATER DISTRICT STANDARD.

10. ALL TEMPORARY AND/OR PERMANENTE AIR-RELEASE AND BLOW-OFF VALVES SHALL BE PER CITY STANDARD AND AS DIRECTED BY THE CITY ENGINEER.

11. CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS PER COUNTY / CITY STANDARD. AWWA C600, SECTION 3.8 UNLESS NOTED OTHERWISE.

12. MECHANICALLY RESTRAINED JOINTS SHALL BE INSTALLED AT VERTICAL BENDS IN ACCORDANCE WITH CITY STANDARDS AND AS APPROVED BY THE CITY ENGINEER.

13. ALL WATER VALVES SHALL BE CLUSTERED, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER OR WATER DISTRICT.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND DELIVERING WATER SAMPLES FOR ANALYSIS TO A CITY APPROVED LAB.

15. ALL ON AND OFF-SITE LANDSCAPE IRRIGATION SYSTEMS SHALL BE IN ACCORDANCE WITH THE LANDSCAPE ARCHITECTURAL PLANS AND SPECIFICATIONS AND SHALL BE CONNECTED TO THE EXISTING AND/OR NEW WATER SYSTEM AND METERED ACCORDINGLY.

16. INSTALL CITY/TOWN APPROVED PRESSURE REGULATOR AND REDUCED BACKFLOW PREVENT OR ON WATER LINE AT ENTRANCE TO BUILDING REFERENCE PLUMBING PLANS FOR MORE DETAIL.

SANITARY SEWER NOTES:

1. INSTALL DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6"-12" BELOW THE SERVICE IN NON-PAVED AREAS, AND AT THE BOTTOM OF BASEROCK FOR PAVED AREAS. GREEN IMPRINTED WITH "CAUTION- SANITARY SEWER LINE BELOW", CALPICO TYPE 2 OR EQUAL.

2. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE CITY/TOWN OR APPROPRIATE SANITARY SEWER DISTRICT.

3. PUBLIC AND PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 SEWER PIPE.

4. WHERE CONNECTION IS TO BE MADE TO AN EXISTING SEWER OR STRUCTURE, SAID EXISTING SEWER OR STRUCTURE SHALL BE UNCOVERED AND CHECKED FOR LOCATION AND ELEVATION PRIOR TO STAKING NEW SEWER DEPTH AND LOCATION. ANY DISCREPANCY BETWEEN THE PLANS AND THE FIELD INFORMATION SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.

5. MINIMUM SLOPE FOR SITE SANITARY SEWER PIPES SHALL BE CURRENT UPC REQUIREMENTS:
   4" @ 2%
   6" @ 1%
   8" & LARGER @ 0.5%

6. ALL LATERALS SHALL HAVE A CLEANOUT AT THE FACE OF THE BUILDING AND AT THE PROPERTY LINE, AS SHOWN ON THE PLANS AND PER THE CITY/TOWN STANDARDS OR APPROPRIATE SANITARY SEWER DISTRICT.

TREE/PLANT PROTECTION NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY, CONFIRM WITH OWNER AND PROTECT EXISTING TREES AND PLANTS DESIGNED AS TO REMAIN.

2. PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENCLOSING DRIP LINES OF TREES DESIGNED TO REMAIN.

3. WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM, AVOID USE OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK ANY VEHICLES UNDER DRIP LINE OF TREES. DO NOT STORE EQUIPMENT OR MATERIALS WITHIN FENCE LINE.

4. PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2" IN DIAMETER OF TREES OR PLANTS THAT IS TO REMAIN, CONSULT WITH THE OWNER'S PROJECT MANAGER.

5. ANY GRADE CHANGES GREATER THAN 6" WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT / CIVIL ENGINEER.

6. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIALS; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER / INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.

7. PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATE TREES.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES AND PLANTS DESIGNED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES OR PLANTS THAT DIE DUE TO LACK OF MAINTENANCE.
HWORK INCLUDING CLEARING.

HORIZONTAL CONTROL NOTES:

1. CONTRACTOR SHALL LAYOUT THE CONTROL FOR THE SITE AS SPECIFIED ON HORIZONTAL CONTROL SHEET. CONTRACTOR SHALL CLEARLY SET AND MARK EACH OF THE CONTROL POINTS. PROTECTING THE POINTS THROUGHOUT CONSTRUCTION.

2. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THERE OF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.

3. ALL BUILDINGS, DRIVEWAYS AND PARKING LOTS ARE TO BE PARALLEL AND RIGHT ANGLES TO THE BASIS OF BEARINGS UNLESS IDENTIFIED OR CLEARLY SHOWN AS A DIFFERENT ANGLE.

4. ALL RETURN RADII AND CURB DATA ARE TO FACE OF CURB, UNLESS OTHERWISE SHOWN OR INDICATED.

PAVEMENT SECTION:

1. SEE SHEET C-3 FOR ALL PAVEMENT SECTIONS.

2. SEE STRUCTURAL DRAWINGS FOR BUILDING SLAB SECTIONS AND PAD PREPARATIONS.

3. SEE GRADING AND DETAIL SHEETS FOR FLATWORK SECTIONS AND BASE REQUIREMENTS.

4. EXISTING PAVEMENT SHALL BE TACK COATED PRIOR TO CONSTRUCTING NEW PAVEMENT.

5. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING, AND ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED. UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER AND/OR DEVELOPER'S CITY ENGINEER.

6. ALL PAVING SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF CALTRAN STANDARD SPECIFICATIONS.

NOTE:
THESE NOTES ARE INTENDED TO BE USED AS A GENERAL GUIDELINE. THE REFERENCED SOILS REPORT FOR THE PROJECT AND GOVERNING AGENCY GRADING ORDINANCE SHALL SUPERSEDE THESE NOTES. THE SOILS ENGINEER MAY MAKE ON-SITE RECOMMENDATIONS DURING GRADING OPERATIONS.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLTON
No. C79338
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
GRADING SPECIFICATIONS

SCALE
NO SCALE

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-8.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE ARCHITECT

CONDITIONS OF APPROVAL:

12. DURING CONSTRUCTION, THE FOLLOWING BAAQMD DUST CONTROL AND GREENHOUSE GAS EMISSION MEASURES MUST BE ADHERED TO FOR ALL IMPROVEMENTS. FINAL IMPROVEMENT PLANS MUST CONTAIN LANGUAGE REQUIRING THAT THE FOLLOWING CONTROL MEASURES BE IMPLEMENTED:
    a. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
    b. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET FREEBOARD.
    c. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
    d. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING ARES AT CONSTRUCTION SITES
    e. SWEEP STREETS DAILY (WITH WATER SWEEPERS ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING ARES AT CONSTRUCTION AREAS.
    f. ALL CONSTRUCTION VEHICLES, EQUIPMENTS SHALL BE MAINTAINED AND DELIVERY TRUCKS SHALL HAVE MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.
    g. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
    h. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.
    I. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET IN SIZE WITH WITH MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENT:
    a. REMOVAL OF OAK TREES 5 INCH TO 18 INCH IN DIAMETER REQUIRES PLANTING OF TWO 24 INCH BOX OAK TREES OR THREE 15 GALLON OAK TREES.
    b. REMOVAL OF OAK TREES 19 INCHES TO 24 INCHES IN DIAMETER REQUIRES PLANTING OF THREE 24 INCH BOX OAK TREES OR FOUR 15 GALLON OAK TREES.
    c. REMOVAL OF OAK TREES OVER 24 INCHES IN DIAMETER REQUIRES IN DIAMETER REQUIRES PLANTING OF FOUR 24 INCH BOX OAK TREES OF FIVE 15 GALLON OAK TREES.
    d. OAK WOODLAND HABITAT EASEMENT REQUIRED AT 3:1 RATIO ACREAGE FOR OAK WOODLAND HABITAT LOSS. CALCULATION OF OAK WOODLAND HABITAT ACREAGE LOSS SHALL BE CALCULATED AND SHOWN ON TREE REMOVAL PLANS. SEE CONDITION #20 FOR FURTHER INFORMATION REGARDING THE HABITAT EASEMENT.

20. AN OAK WOODLAND HABITAT EASEMENT SHALL BE RECORDED PRIOR TO FINAL GRADING PERMIT ISSUANCE TO PRESERVE EXISTING OAK WOODLAND HABITAT WITH EXISTING OAK TREES NOT TO BE REMOVED AT A 3:1 RATIO FOR THE OAK WOODLAND HABITAT ACREAGE REMOVED. THE LANDSCAPE PLANS PREPARED BY A CERTIFIED LANDSCAPE ARCHITECT OR LANDSCAPE PROFESSIONAL OF CONDITION #14 SHALL SHOW THE TOTAL REMOVAL OF ALL AFFECTED OAK TREES, AND CALCULATE THE TOTAL OAK WOODLAND HABITAT REDUCTION. THE SIZE OF THE EASEMENT SHALL BE VERIFIED AT A 3:1 RATIO BASED ON THE OAK WOODLAND HABITAT LOSS. THE EASEMENT SHALL BE RECORDED WITH THE COUNTY CLERK-RECORDER PRIOR TO FINAL GRADING PERMIT ISSUANCE. A FULLY EXECUTED EASEMENT SHALL BE DELIVERED TO THE PLANNING DEPARTMENT PRIOR TO FINAL GRADING PERMIT ISSUANCE.

23h. DURING PROJECT CONSTRUCTION, ALL SEEDS AND STRAW MATERIALS USED ON SITE SHALL BE WEED-FREE RICE STRAW, AND ALL GRAVEL AND FILL MATERIAL SHALL BE CERTIFIED WEED FREE TO THE SATISFACTION OF THE COUNTY OF SANTA CLARA AND ANY DEVIATION FROM THIS WILL BE APPROVED BY THE COUNTY.

23I. DURING PROJECT CONSTRUCTION, VEHICLES AND ALL EQUIPMENT SHALL BE WASHED (INCLUDING WHEELS, UNDERCARRIAGES, AND BUMPERS) BEFORE AND AFTER ENTERING THE PROJECT AREA. VEHICLES SHALL BE CLEANED AT EXISTING CONSTRUCTION YARDS OR LEGALLY OPERATING CAR WASHES. THE PROJECT APPLICANT SHALL DOCUMENT ALL VEHICLES HAVE BEEN WASHED PRIOR TO COMMENCING PROJECT WORK TO THE SATISFACTION OF THE COUNTY OF SANTA CLARA. IN ADDITION, TOOLS SUCH AS CHAINSAWS, HAND CLIPPERS, PRUNERS, ETC., SHALL BE WASHED BEFORE AND AFTER ENTERING THE PROJECT WORK AREA. ALL WASHING SHALL TAKE PLACE WHERE RINSE WATER IS COLLECTED AND DISPOSED OF IN EITHER A SANITARY SEWER OR LANDFILL, UNLESS OTHERWISE APPROVED BY THE COUNTY OF SANTA CLARA. A WRITTEN, DAILY LOG SHALL BE KEPT FOR ALL VEHICLES/EQUIPMENT/TOOL WASHING THAT STATES THE DATE, TIME, LOCATION, TYPE OF EQUIPMENT WASHED, METHODS USED, AND STAFF PRESENT. THE LOG SHALL BE AVAILABLE TO THE COUNTY OF SANTA CLARA FOR INSPECTION AT ANY TIME AND SHALL BE SUBMITTED TO THE COUNTY ON A MONTHLY BASIS.

25. PRIOR TO ANY GROUND DISTURBANCE, EXCLUSION FENCING THAT ALLOW CRLF AND WPT TO LEAVE THE DEVELOPMENT AREA BUT PREVENTS THEM FROM ENTERING THIS AREA SHALL BE CONSTRUCTED ALONG THE PROPOSED ULTIMATE LIMITS OF GRADING AND DISTURBANCE. THE EXCLUSION FENCING SHALL BE AT LEAST 3 FEET TALL AND BURIED AT DEPTH OF AT LEAST 6 INCHES BELOW THE SOIL SURFACE. THE EXCLUSION FENCING SHALL BE CONTINUOUS BETWEEN PROJECT ACTIVITIES AND ADJACENT NATURAL HABITATS, WITH OPENINGS ONLY AS NEEDED FOR VEHICULAR ACCESS; OPENINGS WILL BE SEALED WHEN NOT IB USE. A QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-CONSTRUCTION SURVEY OF THIS AREA FOR CRLF AND WPT PRIOR TO INSTALLATION OF TGIS EXCLUSION FENCING. THE EXCLUSION FENCING SHALL REMAIN IN PLACE FOR THE DURATION OF PROJECT CONSTRUCTION ACTIVITIES AND SHALL BE REMOVED AFTER PROJECT CONSTRUCTION ACTIVITIES HAVE CEASED.

    SUCH FENCING IS NOT FEASIBLE FOR IN-STREAM WORK (E.G., TEMPORARY DISTURBANCE DURING CONSTRUCTION OF PEDESTRIAN BRIDGE), WORK IN VERY STEEP OR ROCKY AREAS, AND UNSTABLE WORK AREAS ADJACENT TO THE ON-SITE POND (E.G., UNSTABLE UPHILL SLOPE EXISTING DAM AT POND), IN THOSE AREAS, INSTALLATION OF SUCH FENCING MAY CAUSE MORE DAMAGE THAN CONSTRUCTION ACTIVITIES IF CONSTRUCTION (E.G., IN THE OPEN SPACE AREAS) INVOLVES ONLY MINIMAL DISTURBANCE (E.G., FROM TRAIL ESTABLISHMENT OR INTERPRETIVE SIGNAGE). IN SUCH SITUATIONS, THE QUALIFIED BIOLOGIST SHALL CONDUCT A PRE-CONSTRUCTION SURVEY AND PERFORM CONSTRUCTION MONITORING AS DESCRIBED BELOW, IN LIEU OF FENCE INSTALLATION.

    AFTER THE EXCLUSION FENCE IS INSTALLED AND IMMEDIATELY PRIOR TO CONSTRUCTION, THE PROJECT PROPONENT SHALL HAVE SURVEYS PERFORMED BY A QUALIFIED BIOLOGIST IN CONSTRUCTION AREAS WHERE CRLF AND WPT ARE MOST LIKELY TO OCCUR. SUCH SURVEYS SHALL BE CONDUCTED ACCORDING TO THE FOLLOWING PROTOCOLS:

    - ANY INUNDATED PONDS OR POOLS (I.E., WITHIN CREEKS OR WETLANDS) WITHIN THE IMPACT FOOTPRINT SHALL BE SEINED FOR CRLF LARVAE WITHIN SEVEN DAYS PRIOR TO CONSTURCTION. INUNDATED POOL OR PONDS THAT WILL BE IMPACTED SHALL BE PUMPED OR DRAINED DURING THE SEINING OPERATION IF NECESSARY (I.E., BASED ON THE PROFESSIONAL JUDGEMENT OF THE QUALIFIED BIOLOGIST PERFORMING THE SEINING) TO ENSURE THAT THE WATERBODY TO BE AFFECTED IS COMPLETELY SEINED FOR CRLF. ANY CRLF LARVAE FOUND DURING SEINING SHALL BE SALVAGED AND RELOCATED BY THE BIOLOGIST TO A DESIGNATED LOCATION DETERMINED IN CONSULTATION WITH THE USFWS.

CONTINUED:

- THE QUALIFIED BIOLOGIST SHALL CONDUCT ONE NIGHTTIME SURVEY AND ONE DAYTIME SURVEY OF THE CONSTRUCTION AREA FOR CRLF AND WPT WITHIN 48 HOURS BEFORE THE ONSET OF CONSTRUCTION ACTIVITIES IN A PARTICULAR CONSTRUCTION AREA, INCLUDING INSTALLATION OF EXCLUSION FENCING. SUCH SURVEYS SHALL FOCUS ON WETLANDS, STREAMS, PONDS, RIPARIAN HABITATS, AND AREAS WITHIN 200 FEET OF THESE FEATURES, BUT THEY SHALL ALSO INCLUDE A PEDESTRIAN SURVEY OF THE ENTIRE CONSTRUCTION AREA TO SURVEY FOR AND CRLF AND WPT (THROUGHOUT THE WORK AREA) IN VEGETATION, UNDER DEBRIS, IN CULVERTS, OR IN OTHER AREAS THAT COULD PROVIDE REFUGE FOR THESE SPECIES. IF CRLF OF ANY LIFE STAGE ARE FOUND, THEY SHALL BE MOVED TO A DESIGNATED LOCATION DETERMINED INB CONSULTATION WITH THE USFWS. DURING CONSTRUCTION, IF A CRLF IS OBSERVED WITHIN THE CONSTRUCTION AREA, THEY SHALL BE MOVED BY A QUALIFIED BIOLOGIST TO A LOCATION OF SUITABLE HABITAT OUTSIDE OF THE CONSTRUCTION AREA.

27. IF A CRLF (OR ANY AMPHIBIAN THAT PERSONNEL THINK MAY BE OF THIS SPECIES) IS ENCOUNTERED DURING PROJECT ACTIVITIES, THE FOLLOWING PROTOCOL SHALL BE IMPLEMENTED:
    a. ALL WORK THAT COULD RESULT IN DIRECT INJURY, DISTURBANCE, OR HARASSMENT OF THE INDIVIDUAL ANIMAL SHALL IMMEDIATELY CEASE.
    b. A DEDICATED PROJECT CONTACT (E.G., A SUPERVISOR) SHALL BE IMMEDIATELY NOTIFIED.
    c. THE DEDICATED PROJECT CONTACT SHALL IMMEDIATELY NOTIFY USFWS.

    WITH APPROVAL OF THE USFWS, A QUALIFIED BIOLOGIST APPROVED BY USFWS TO HANDLE THE INDIVIDUAL CRLF SHALL MOVE THE INDIVIDUAL TO A SAFE LOCATION NEARBY AND MONITOR IT UNTIL IT IS DETERMINED THAT IT IS NOT IMPERILED BY PREDATORS OR OTHER DANGERS.

28. TO PREVENT INADVERTENT ENTRAPMENT OF A CRLF OR WPT (OR OTHER ANIMAL SPECIES) DURING PROJECT ACTIVITIES, ALL EXCAVATED, STEEP-WALLED HOLES OR TRENCHES MORE THAN 2 FEET DEEP SHALL BE THOROUGHLY INSPECTED BY A QUALIFIED BIOLOGIST, OR A DEDICATED CONSTRUCTION PERSONNEL TRAINED BY THE QUALIFIED BIOLOGIST, FOR TRAPPED ANIMALS EACH MORNING BEFORE WORK ACTIVITY IS PERFORMED ND IMMEDIATELY BEFORE THEY ARE FILLED. BECAUSE CRLF OR WPT (AND OTHER ANIMAL SPECIES) ARE ATTRACTED TO CAVITIES SUCH AS PIPES AND MAY ENTER STORED PIPES AND BECOME TRAPPED, ALL CONSTRUCTION PIPES, CULVERTS, OR SIMILAR STRUCTURES THAT ARE STORED AT THE SITE FOR ONE OR MORE OVERNIGHT PERIODS SHALL BE EITHER SECURELY CAPPED PRIOR TO STORAGE OR THOROUGHLY INSPECTED BY THE APPROVED BIOLOGIST OR DEDICATED CONSTRUCTION PERSONNEL TRAINED BY THE QUALIFIED BIOLOGIST BEFORE THE PIPE IS SUBSEQUENTLY BURIED, CAPPED, OR OTHERWISE USED OR MOVED IN ANY WAY. IF AT ANY TIME A TRAPPED CRLF IS DISCOVERED, THE PROCEDURE DESCRIBED IN CONDITION 27 SHALL BE IMPLEMENTED. IF A WPT IS DISCOVERED, THE PROCEDURES DESCRIBED IN CONDITION 26 SHALL BE IMPLEMENTED.

29. INITIAL GROUND-DISTURBING ACTIVITIES WITHIN AREAS WHERE CRLF AND WPT ARE MOST LIKELY TO OCCUR (I.E., ON-SITE POND AND SARATOGA CREEK AND AREAS WITHIN 200 FEET OF THESE FEATURES - SEE APPROVED SITE PLAN FOR LOCATION OF WATER FEATURES) SHALL BE PERFORMED DURING THE DRY SEASON. CONSTRUCTION ACTIVITIES IN OR NEAR POTENTIAL CRLF AND WPT BREEDING HABITAT SHALL OCCUR DURING THE JULY-NOVEMBER PERIOD TO AVOID THE PERIOD WHEN CRLF AND WPT ARE BREEDING, WHEN EGGS OR LARVAE ARE MOST LIKELY TO BE PRESENT, AND WHEN OVERLAND DISPERSAL BY THESE SPECIES IS THE HIGHEST.

30. VEHICLES SHALL OBSERVE A 15-MILE-PER-HOUR SPEED LIMIT DURING CONSTRUCTION. OFF-ROAD TRAFFIC OUTSIDE OF THE DESIGNATED DEVELOPMENT AREA SHALL BE PROHIBITED. CONSTRUCTION SIGNS SHALL BE INSTALLED ON-SITE TO NOTIFY WORKERS ON THE SPEED LIMIT.

31. TO ELIMINATE AN ATTRACTION TO THE PREDATORS OF THE CRLF AND WPT (OR OTHER SPECIAL-STATUS WILDLIFE SPECIES) ALL FOOD-RELATED TRASH ITEMS SUCH AS WRAPPERS, CANS, BOTTLES, AND FOOD SCRAPS SHALL BE DISPOSED OF IN SOLID, CLOSED CONTAINERS (TRASH CANS) AND REMOVED AT THE END OF EACH WORKING DAY FROM THE ENTIRE CONSTRUCTION SITE.

32. TIGHTLY WOVEN FIBER NETTING OR SIMILAR MATERIAL SHALL BE USED FOR EROSION CONTROL OR OTHER PURPOSES AT THE PROJECT SITE TO ENSURE THAT INDIVIDUALS ARE NOT TRAPPED. THIS LIMITATION SHALL BE COMMUNICATED TO THE CONTRACTOR THROUGH USE OF SPECIAL PROVISIONS INCLUDED IN THE BID SOLICITATION PACKAGE AND IS PART OF THE EDUCATION PROGRAM. PLASTIC MONOFILAMENT NETTING (EROSION CONTROL MATTING) OR SIMILAR MATERIAL SHALL NOT BE USED AT THE PROJECT SITE BECAUSE CALIFORNIA RED-LEGGED FROGS MAY BECOME ENTANGLED OR TRAPPED IN IT.

45. DISTURBANCE WITHIN WETLANDS AND STREAM CHANNELS SHALL BE AVOIDED AND MINIMIZED. THE PROJECT SHALL INCORPORATE SUITABLY DESIGNED STRUCTURES (e.G., CULVERTS) TO MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT IMPOUNDMENT OF WATER WHERE FILL IS UNAVOIDABLE. FINAL GRADING PLANS SHALL SHOW ALL DRAINAGE IMPROVEMENTS.

46. ALL GRADING WITHIN AND UPSLOPE FROM JURISDICTIONAL FEATURES SHALL OCCUR DURING THE DRY SEASON. IF GRADING IS TO OCCUR DURING THE RAINY SEASON, THE PRIMARY BEST MANAGEMENT PRACTICES SELECTED SHALL FOCUS ON EROSION CONTROL. END-OF-PIPE SEDIMENT CONTROL MEASURES (e.g., BASINS AND TRAPS) SHALL BE USED ONLY AS SECONDARY MEASURES. FINAL GRADING PLANS SHALL IDENTITY ALL BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED.

49. IN THE EVENT THAT ANY PREHISTORIC OR HISTORIC SUBSURFACE CULTURAL RESOURCES ARE DISCOVERED DURING GROUND DISTURBING ACTIVITIES, THE APPLICANT SHALL NOTIFY THE COUNTY AND ALL WORK WITHIN 100 FEET OF THE IND SHALL BE HALTED AND THE APPLICANT AND/OR COUNTY SHALL CONSULT WITH A QUALIFIED ARCHAEOLOGIST TO ASSESS THE SIGNIFICANCE OF THE FIND. IF ANY FIND IS DETERMINED TO BE SIGNIFICANT REPRESENTATIVES OF THE PROPONENT AND THE QUALIFIED ARCHAEOLOGIST SHALL MEET TO DETERMINE THE APPROPRIATE AVOIDANCE MEASURES OR OTHER APPROPRIATE MITIGATION, WITH THE ULTIMATE DETERMINATION TO BE MADE BY THE COUNTY. ALL SIGNIFICANT CULTURAL MATERIALS RECOVERED SHALL BE, AS NECESSARY, SUBJECT TO SCIENTIFIC ANALYSIS, PROFESSIONAL MUSEUM CURATION, AND INCLUDED IN A REPORT PREPARED BY THE QUALIFIED ARCHAEOLOGIST ACCORDING TO CURRENT PROFESSIONAL STANDARDS.

    IN CONSIDERING ANY SUGGESTED MITIGATION PROPOSED BY THE CONSULTING ARCHAEOLOGIST IN ORDER TO MITIGATE IMPACTS TO HISTORICAL RESOURCES OR UNIQUE ARCHAEOLOGICAL RESOURCES, THE COUNTY SHALL DETERMINE WHETHER AVOIDANCE IS NECESSARY AND FEASIBLE IN LIGHT OF FACTORS SUCH AS THE NATURE OF THE FIND, PROJECT DESIGN, COSTS, AND OTHER CONSIDERATIONS. IF AVOIDANCE IS INFEASIBLE, OTHER APPROPRIATE MEASURES (e.g., DATA RECOVERY) SHALL BE INSTITUTED. WORK MAY PROCEED ON OTHER PARTS OF THE PROJECT SITE WHILE MITIGATION FOR HISTORICAL RESOURCES OR UNIQUE ARCHAEOLOGICAL RESOURCES IS CARRIED OUT.

CONTINUED:

50. IN THE EVENT THAT HUMAN SKELETAL REMAINS ENCOUNTERED, THE APPLICANT IS REQUIRED BY COUNTY ORDINANCE NO. B6-18 TO IMMEDIATELY NOTIFY THE COUNTY CORONER. UPON DETERMINATION BY THE COUNTY CORONER THAT THE REMAINS ARE NATIVE AMERICAN, THE CORONER SHALL CONTACT THE CALIFORNIA NATIVE AMERICAN HERITAGE COMMISSION, PURSUANT TO SUBDIVISION (C) OF SECTION 7050.5 OF THE HEALTH AND SAFETY CODE AND THE COUNTY COORDINATOR OF INDIAN AFFAIRS IN ACCORDANCE WITH THE PROVISIONS OF STATE LAW AND COUNTY CODE. IF ARTIFACTS ARE FOUND ON THE SITE A QUALIFIED ARCHAEOLOGIST SHALL BE CONTACTED ALONG WITH THE COUNTY PLANNING OFFICE. NO FURTHER DISTURBANCE OF THE ARTIFACTS MAY BE MADE EXCEPT AS AUTHORIZED BY THE COUNTY PLANNING OFFICE.

    IN THE EVENT THE REMAINS ARE NATIVE AMERICA, THE NAHC SHALL IDENTIFY THE PERSON OF PERSONS IT BELIEVES TO BE THE MOST LIKELY DESCENDED FROM THE DECEASED NATIVE AMERICAN. THE MOST LIKELY DESCENDENT MAY MAKE RECOMMENDATIONS TO THE LANDOWNER OF THE PERSON RESPONSIBLE FOR THE EXCAVATION WORK, FOR MEANS OF TRE.ATING OR DISPOSING OF, WITH APPROPRIATE DIGNITY, THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS AS PROVIDED IN PRC, SECTION 5097.98

51. IN THE EVENT OF UNANTICIPATED PALEONTOLOGICAL DISCOVERIES DURING CONSTRUCTION, THE APPLICANT SHALL NOTIFY THE COUNTY AND ALL ACTIVITY WITHIN 100 FEET OF THE FIND SHALL BE TEMPORARILY HALTED OR DIVERTED UNTIL THE DISCOVERY IS EXAMINED BY A QUALIFIED PALEONTOLOGIST (PER SOCIETY OF VERTEBRATE PALEONTOLOGY STANDARDS [SVP], 1995). THE QUALIFIED PALEONTOLOGIST SHALL DOCUMENT THE DISCOVERY AS NEEDED, EVALUATE THE POTENTIAL RESOURCE, AND ASSESS THE SIGNIFICANCE OF THE FIND UNDER THE CRITERIA SET FORTH IN CEQA GUIDELINES SECTION 15064. THE COUNTY SHALL BE NOTIFIED IF THE FIND IS DETERMINED TO BE SIGNIFICANT AND A TREATMENT PLAN SHALL BE DEVELOPED AND IMPLEMENTED IN COORDINATION WITH THE COUNTY AND APPLICANTS TO PROVIDE FOR DATA RECOVERY AND FOSSIL CURATION. THE TREATMENT PLAN SHALL BE IMPLEMENTED BY THE QUALIFIED PALEONTOLOGIST PRIOR TO ALLOWING WORK TO RESUME WITHIN THE 100-FOOT RADIUS OF THE RESOURCE.

52. DURING ALL GROUND-DISTURBING ACTIVITIES AT THE PROJECT SITE, THE CONTRACTOR SHALL INSPECT THE EXPOSED SOIL FOR VISUAL EVIDENCE OF CONTAMINATION. IF VISUAL CONTAMINATION INDICATORS ARE OBSERVED DURING EXCAVATION OR GRADING ACTIVITIES, ALL WORK SHALL STOP, AND AN INVESTIGATION SHALL BE DESIGNED AND PERFORMED TO VERIFY THE PRESENCE AND EXTENT OF CONTAMINATION AT THE SITE. THE INVESTIGATION SHALL INCLUDE COLLECTING SAMPLES FOR LABORATORY ANALYSIS, AND QUANTIFYING CONTAMINANT LEVELS WITHIN THE PROPOSED EXCAVATION AND SURFACE DISTURBANCE ARES. IF CONTAMINATION IS CONFIRMED, A SOIL MANAGEMENT PLAN, AS DESCRIBED IN CONDITIONS OF APPROVAL ITEM 52, SHALL BE PREPARED AND IMPLEMENTED DURING CONSTRUCTION.

78. ALL CONSTRUCTION ACTIVITIES SHALL BE IN CONFORMANCE WITH THE SANTA CLARA COUNTY NOISE ORDINANCE SECTION B-11-154 AND PROHIBITED BETWEEN THE HOURS OF 7:00 P.M. AND 7:00 A.M. ON WEEKDAYS AND SATURDAYS, OR AT ANY TIME OF SUNDAYS FOR THE DURATION OF CONSTRUCTION.

91. PRIOR TO GRADING COMPLETION, SUBMIT FOR REVIEW A CONSTRUCTION OBSERVATIONS LETTER THAT CONFIRMS THE WORK WAS COMPLETED IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. (A NOTE TO THAT EFFECT WILL BE STAMPED ON THE FINAL PLANS PRIOR TO PERMIT ISSUANCE).

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLTON
No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
CONDITIONS OF APPROVAL

SCALE
NO SCALE

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-8.2

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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PLOT: 2/16/2021 11:08:04 AM

PURPOSE:

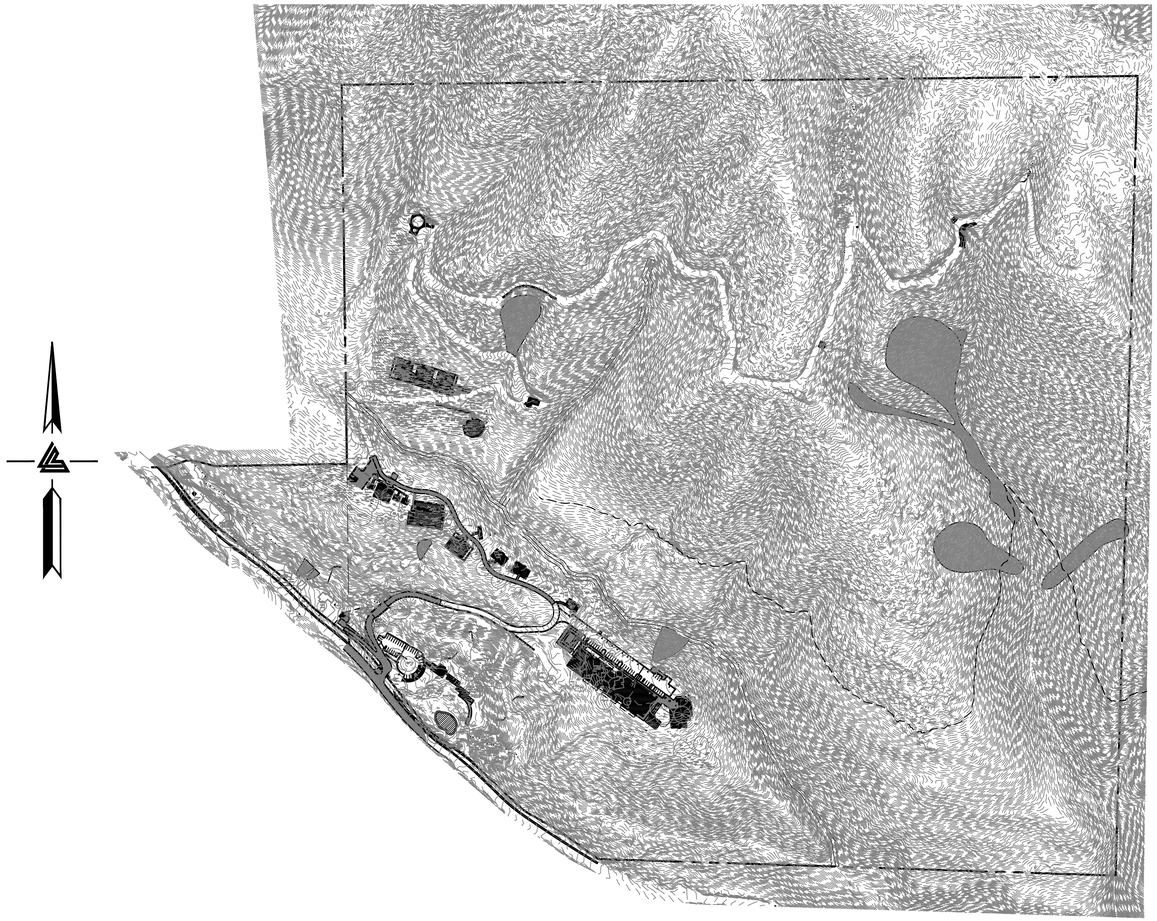
THE PURPOSE OF THIS PLAN IS TO STABILIZE THE SITE TO PREVENT EROSION OF GRADED AREAS AND TO PREVENT SEDIMENTATION FROM LEAVING THE CONSTRUCTION AREA AND AFFECTING NEIGHBORING SITES, NATURAL AREAS, PUBLIC FACILITIES OR ANY OTHER AREA THAT MIGHT BE AFFECTED BY EROSION AND SEDIMENTATION. IT IS ALSO INTENDED TO PROTECT THE SITE, PUBLIC DRAINAGE FACILITIES AND NEIGHBORING PROPERTIES FROM OTHER POSSIBLE NON-STORMWATER POLLUTANTS. A DESCRIPTION OF POSSIBLE POLLUTANTS AND BEST MANAGEMENT PRACTICES IS PROVIDED IN THE PROJECT SWPPP.
ALL MEASURES SHOWN ON THIS PLAN SHOULD BE CONSIDERED THE MINIMUM REQUIREMENTS NECESSARY. SHOULD FIELD CONDITIONS DICTATE ADDITIONAL MEASURES, SUCH MEASURES SHALL BE PER CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL AND THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION. LEA & BRAZE ENGINEERING SHOULD BE NOTIFIED IMMEDIATELY SHOULD CONDITIONS CHANGE.

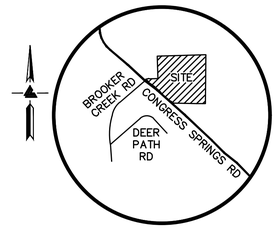
EROSION CONTROL NOTES:

1. IT SHALL BE THE OWNER'S/CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL OF THE ENTIRE CONSTRUCTION OPERATION AND TO KEEP THE ENTIRE SITE IN COMPLIANCE WITH THIS EROSION CONTROL PLAN.
2. THE INTENTION OF THIS PLAN IS FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL, THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION, AND THE LOCAL GOVERNING AGENCY FOR THIS PROJECT.
3. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, DURING, AND AFTER STORM EVENTS. PERSON IN CHARGE OF MAINTAINING EROSION CONTROL MEASURES SHOULD WATCH LOCAL WEATHER REPORTS AND ACT APPROPRIATELY TO MAKE SURE ALL NECESSARY MEASURES ARE IN PLACE.
4. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM, INCLUDING EXISTING DRAINAGE SWALES AND WATERCOURSES.
6. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE MAINTAINED AT ALL TIMES.
7. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY REQUIREMENTS.
8. ALL MATERIALS NECESSARY FOR THE APPROVED EROSION CONTROL MEASURES SHALL BE IN PLACE BY OCTOBER 15TH.
9. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON, OR FROM OCTOBER 15TH THROUGH APRIL 15TH, WHICHEVER IS LONGER.
10. IN THE EVENT OF RAIN, ALL GRADING WORK IS TO CEASE IMMEDIATELY AND THE SITE IS TO BE SEALED IN ACCORDANCE WITH THE APPROVAL EROSION CONTROL MEASURES AND APPROVED EROSION CONTROL PLAN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND REPAIRING EROSION CONTROL SYSTEMS AFTER EACH STORM.
12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY CITY'S ENGINEERING DEPARTMENT OR BUILDING OFFICIALS.
13. MEASURES SHALL BE TAKEN TO COLLECT OR CLEAN ANY ACCUMULATION OR DEPOSIT OF DIRT, MUD, SAND, ROCKS, GRAVEL OR DEBRIS ON THE SURFACE OF ANY STREET, ALLEY OR PUBLIC PLACE OR IN ANY PUBLIC STORM DRAIN SYSTEMS. THE REMOVAL OF AFORESAID SHALL BE DONE BY STREET SWEEPING OR HAND SWEEPING. WATER SHALL NOT BE USED TO WASH SEDIMENTS INTO PUBLIC OR PRIVATE DRAINAGE FACILITIES.
14. EROSION CONTROL MEASURES SHALL BE ON-SITE FROM SEPTEMBER 15TH THRU APRIL 15TH.
15. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON OR FROM OCTOBER 15 THRU APRIL 15, WHICHEVER IS GREATER.

EROSION CONTROL MEASURES:

1. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 15TH TO APRIL 15. EROSION CONTROL FACILITIES SHALL BE IN PLACE PRIOR TO OCTOBER 15TH OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES. GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 IS AT THE DISCRETION OF THE LOCAL AGENCY BUILDING OFFICIAL.
2. SITE CONDITIONS AT TIME OF PLACEMENT OF EROSION CONTROL MEASURES WILL VARY. APPROPRIATE ACTION INCLUDING TEMPORARY SWALES, INLETS, HYDROSEEDING, STRAW BALES, ROCK SACKS, ETC. SHALL BE TAKEN TO PREVENT EROSION AND SEDIMENTATION FROM LEAVING SITE. EROSION CONTROL MEASURES SHALL BE ADJUSTED AS THE CONDITIONS CHANGE AND THE NEED OF CONSTRUCTION SHIFT.
3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE GOVERNING AGENCY.
4. ALL EXPOSED SLOPES THAT ARE NOT VEGETATED SHALL BE HYDROSEEDED. IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY OCTOBER 15, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SEED, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFIER AND MULCH. HYDROSEEDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 20" EROSION CONTROL AND HIGHWAY PLANTING" OF THE STANDARD SPECIFICATION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, AS LAST REVISED. REFER TO THE EROSION CONTROL SECTION OF THE GRADING SPECIFICATIONS THAT ARE A PART OF THIS PLAN SET FOR FURTHER INFORMATION.
5. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT. MINIMUM INLET PROTECTION SHALL CONSIST OF A ROCK SACKS OR AS SHOWN ON THIS PLAN
6. THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. A REPRESENTATIVE OF LEA & BRAZE ENGINEERING SHALL PERFORM A FIELD REVIEW AND MAKE RECOMMENDATIONS AS NEEDED. CONTRACTOR IS RESPONSIBLE TO NOTIFY LEA & BRAZE ENGINEERING AND THE GOVERNING AGENCY OF ANY CHANGES.
7. THE EROSION CONTROL MEASURES SHALL CONFORM TO THE COUNTY STANDARDS AND THE APPROVAL OF THE COUNTY'S ENGINEERING DEPARTMENT.
8. STRAW ROLLS SHALL BE PLACED AT THE TOE OF SLOPES AND ALONG THE DOWNSLOPE PERIMETER OF THE PROJECT. THEY SHALL BE PLACED AT 25 FOOT INTERVALS ON GRADED SLOPES. PLACEMENT SHALL RUN WITH THE CONTOURS AND ROLLS SHALL BE TIGHTLY ENDBUTTED. CONTRACTOR SHALL REFER TO MANUFACTURES SPECIFICATIONS FOR PLACEMENT AND INSTALLATION INSTRUCTIONS.





VICINITY MAP
NO SCALE

REFERENCES:

1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION

SOURCE CONTROL MEASURES:

1. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
2. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASHWATER OF SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
3. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DEWATERING SITE AND OBTAIN ALL NECESSARY PERMITS.
4. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASHWATER IS CONTAINED AND TREATED.
5. DELINEATE WITH FIELD MARKERS LIMITS ON CLEARING, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES AND DRAINAGE COURSES.
6. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
7. PERFORM CLEARING AND EARTH MOVING ACTIVITIES ONLY DURING DRY WEATHER.
8. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
9. LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
10. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE. CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.

KEY MAP

1"=250'

NOTE:
ALL SITE GRADING AND CONSTRUCTION OPERATIONS PREFORMED DURING THE RAINY SEASON (OCTOBER 01 TO APRIL 30) SHALL BE AT THE DISCRETION OF THE TOWN ENGINEER.
IF GRADING OR CONSTRUCTION ACTIVITIES ARE PERFORMED DURING THE RAINY SEASON, ADDITIONAL SITE BMPS MAY BE REQUIRED BY THE QSD/QSP BASED ON WEATHER CONDITIONS, SITE CONDITIONS, AND CONSTRUCTION ACTIVITIES BEING PREFORMED.

SITE DESIGN MEASURES:

1. PROTECT SENSITIVE AREAS AND MINIMIZE CHANGES TO THE NATURAL TOPOGRAPHY.
2. MINIMIZE IMPERVIOUS SURFACE AREAS.
3. MINIMIZE IMPERVIOUS AREAS FROM BEING DIRECTLY CONNECTED TO THE STORM DRAIN SYSTEM WHERE FEASIBLE.
4. MAXIMIZE PERMEABILITY BY PRESERVING OPEN SPACE.
5. USE PERMEABLE PAVEMENT SURFACES WHERE FEASIBLE.
6. USE LANDSCAPE AREAS AND SWALES TO TREAT STORM WATER.
7. PROVIDE PERMANENT EROSION CONTROL MEASURES.
8. PROVIDE A STORM WATER DESIGN THAT DOES NOT INCREASE POST-CONSTRUCTION RUNOFF.

PERIODIC MAINTENANCE:

1. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
   - A. DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION SHALL BE REPAIRED AT THE END OF EACH WORKING DAY.
   - B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
   - C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
   - D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1' FOOT.
   - E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
   - F. FILLS AND GULLIES MUST BE REPAIRED.
2. SAND BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDIMENT DEPTH IS ONE HALF THE HEIGHT OF ONE SAND BAG.
3. STRAW ROLLS SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHED HALF THE HEIGHT OF THE ROLL.
4. SILT FENCE SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHES ONE FOOT IN HEIGHT.
5. CONSTRUCTION ENTRANCE SHALL BE REGRAVELED AS NECESSARY FOLLOWING SILT/SOIL BUILDUP.
6. ANY OTHER EROSION CONTROL MEASURES SHOULD BE CHECKED AT REGULAR INTERVALS TO ASSURE PROPER FUNCTION.

CONSTRUCTION SCHEDULE

CONSTRUCTION START DATE:	OCTOBER	18, 2017
IMPLEMENT CONSTRUCTION BMPS:	OCTOBER	18, 2017
GRADING START DATE DATE:	OCTOBER	31, 2017
GRADING COMPLETION DATE:	SEPTEMBER	30, 2019
IMPLEMENT POST-CONSTRUCTION BMPS:	OCTOBER	01, 2019
CONSTRUCTION END DATE:	OCTOBER	14, 2019

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLLINO
No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6843-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
EROSION CONTROL
OVERALL SITE PLAN

SCALE
1" = 250'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.0

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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CONSTRUCTION BEST MANAGEMENT PRACTICES

1. REFER TO THE CALIFORNIA STORMWATER QUALITY ASSOCIATION HANDBOOK FOR CONSTRUCTION BMP FACT SHEETS FOR A COMPLETE DESCRIPTION OF THE BEST MANAGEMENT PRACTICES TO BE USED.

2. CONSTRUCTION BMP FACT SHEETS FROM THE HANDBOOK FOR BMPS USED ON THIS PROJECT ARE LOCATED IN APPENDIX E OF THE EROSION POLLUTION PREVENTION PLAN.

EROSION CONTROL BMPS:

EC-1	CONSTRUCTION SCHEDULING
EC-7	GEOTEXTILES & MATS
EC-9	DRAINAGE SWALES
WE-1	WIND EROSION CONTROL

SEDIMENT CONTROL BMPS:

SE-1	SILT FENCE
SE-4	GRAVEL BAG CHECK DAM
SE-7	STREET SWEEPING AND VACUUMING
SE-10	STORM DRAIN INLET PROTECTION

TRACKING CONTROL BMPS:

TC-1	STABILIZED CONSTRUCTION ENTRANCE

NON-STORMWATER CONTROL BMPS:

NS-1	WATER CONSERVATION PRACTICES
NS-3	PAVING AND GRINDING OPERATIONS
NS-6	ILLICIT CONNECTION / DISCHARGES
NS-7	POTABLE WATER / IRRIGATION
NS-8	VEHICLE AND EQUIPMENT CLEANING
NS-9	VEHICLE AND EQUIPMENT FUELING
NS-10	VEHICLE AND EQUIPMENT MAINTENANCE
NS-12	CONCRETE CURING

MATERIALS POLLUTION AND WASTE MANAGEMENT CONTROL BMPS:

MW-1	MATERIAL DELIVERY AND STORAGE
MW-2	MATERIAL USE
MW-3	STOCKPILE MANAGEMENT
MW-4	SPILL PREVENTION AND CONTROL
MW-5	SOLID WASTE MANAGEMENT
MW-6	HAZARDOUS WASTE MANAGEMENT
MW-8	CONCRETE WASTE MANAGEMENT
MW-9	SANITARY AND SEPTIC WASTE MANAGEMENT

REFERENCES:

1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL

2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION

NOTE:
ALL SITE GRADING AND CONSTRUCTION OPERATIONS PREFORMED DURING THE RAINY SEASON (OCTOBER 01 TO APRIL 15) SHALL BE AT THE DISCRETION OF THE TOWN ENGINEER.
IF GRADING OR CONSTRUCTION ACTIVITIES ARE PERFORMED DURING THE RAINY SEASON, ADDITIONAL SITE BMPS MAY BE REQUIRED BY THE QSD/QSP BASED ON WEATHER CONDITIONS, SITE CONDITIONS, AND CONSTRUCTION ACTIVITIES BEING PREFORMED.

GENERAL CONSTRUCTION AND SITE SUPERVISOR GUIDELINES:

A. STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND APRIL 30 AND AS NEEDED YEAR ROUND TO MAINTAIN EFFECTIVE STORMWATER MANAGEMENT. STABILIZING SHALL INCLUDE BOTH PROACTIVE MEASURES, SUCH AS THE PLACEMENT OF FIBER ROLLS AND/OR COIR NETTING, AND THE USE OF PASSIVE MEASURES, SUCH AS RE-VEGETATING DISTURBED AREAS WITH PLANTS NATIVE TO THE GENERAL AREA. CLEARING AND EARTH MOVING ACTIVITIES SHALL OCCUR ONLY DURING DRY WEATHER.

B. SEQUENCE CONSTRUCTION TO INSTALL SEDIMENT-CAPTURING DEVICES FIRST, FOLLOWED BY RUNOFF CONTROL MEASURES AND RUNOFF CONVEYANCES. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL AFTER ALL PROPOSED MEASURES ARE IN PLACE.

C. MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ONE TIME (PHASED GRADING). CLEAR ONLY AREAS ESSENTIAL FOR CONSTRUCTION.

D. WITHIN FIVE DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION, STABILIZE BARE SOILS THROUGH EITHER NON-VEGETATIVE BMPS, SUCH AS MULCHING, OR VEGETATIVE EROSION CONTROL METHODS, SUCH AS SEEDING. VEGETATIVE EROSION CONTROL MEASURES SHALL BE ESTABLISHED WITHIN TWO WEEKS OF SEEDING/PLANTING.

E. CONSTRUCTION ENTRANCES AND ACCESS ROUTES SHALL BE LIMITED AND STABILIZED AT DESIGNATED ACCESS POINTS IMMEDIATELY AFTER GRADING AND FREQUENTLY MAINTAINED TO PREVENT EROSION AND CONTROL DUST.

F. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE; CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.

G. CONTROL WIND-BORN DUST THROUGH THE INSTALLATION OF WIND BARRIERS SUCH AS HAY BALES AND/OR SPRINKLING.

H. SOIL AND/OR OTHER CONSTRUCTION-RELATED MATERIAL STOCKPILED ON-SITE SHALL BE PLACED AT A MINIMUM OF 200 FEET FROM ALL WETLANDS AND DRAIN COURSES. STOCKPILED SOILS SHALL BE COVERED WITH TARPS AT ALL TIMES OF THE YEAR.

I. INTERCEPT RUNOFF ABOVE DISTURBED SLOPES AND CONVEY IT TO A PERMANENT CHANNEL OR STORM DRAINS BY USING EARTH DIKES, PERIMETER DIKES OR SWALES, OR DIVERSIONS. USE CHECK DAMS WHERE APPROPRIATE.

J. PROVIDE PROTECTION FOR RUNOFF CONVEYANCE OUTLETS BY REDUCING FLOW VELOCITY AND DISSIPATING FLOW ENERGY.

K. INSTALL STORM DRAIN INLET PROTECTION THAT TRAPS SEDIMENT BEFORE IT ENTERS ANY ADJACENT STORM SEWER SYSTEMS. THIS BARRIER SHALL CONSIST OF FILTER FABRIC, STRAW BALES, GRAVEL, OR SAND BAGS.

L. PROTECTING ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.

M. INSTALL SEDIMENT TRAPS/BASINS AT OUTLETS OF DIVERSIONS, CHANNELS, SLOPE DRAINS, OR OTHER RUNOFF CONVEYANCES THAT DISCHARGE SEDIMENT-LADEN WATER. SEDIMENT TRAPS/BASINS SHALL BE CLEANED OUT WHEN 50% FULL (BY VOLUME).

N. USE SILT FENCE AND/OR VEGETATED FILTER STRIPS TO TRAP SEDIMENT CONTAINED IN SHEET FLOW. THE MAXIMUM DRAINAGE AREA TO THE FENCE SHOULD BE 0.5-ACRE OR LESS PER 100 FEET OF FENCE. SILT FENCES SHALL BE INSPECTED REGULARLY AND SEDIMENT REMOVED WHEN IT REACHES 1/3 OF THE FENCE HEIGHT. VEGETATED FILTER STRIPS SHOULD HAVE RELATIVELY FLAT SLOPES AND BE VEGETATED WITH EROSION RESISTANT SPECIES.

O. THROUGHOUT THE CONSTRUCTION PERIOD, THE APPLICANT SHALL CONDUCT REGULAR INSPECTIONS OF THE CONDITION AND OPERATIONAL STATUS OF ALL STRUCTURAL BMPS REQUIRED BY THE APPROVED EROSION CONTROL PLAN.

P. STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.

Q. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASH WATER OR SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.

R. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DE-WATERING SITE AND OBTAIN ALL NECESSARY PERMITS.

S. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASH WATER IS CONTAINED AND TREATED.

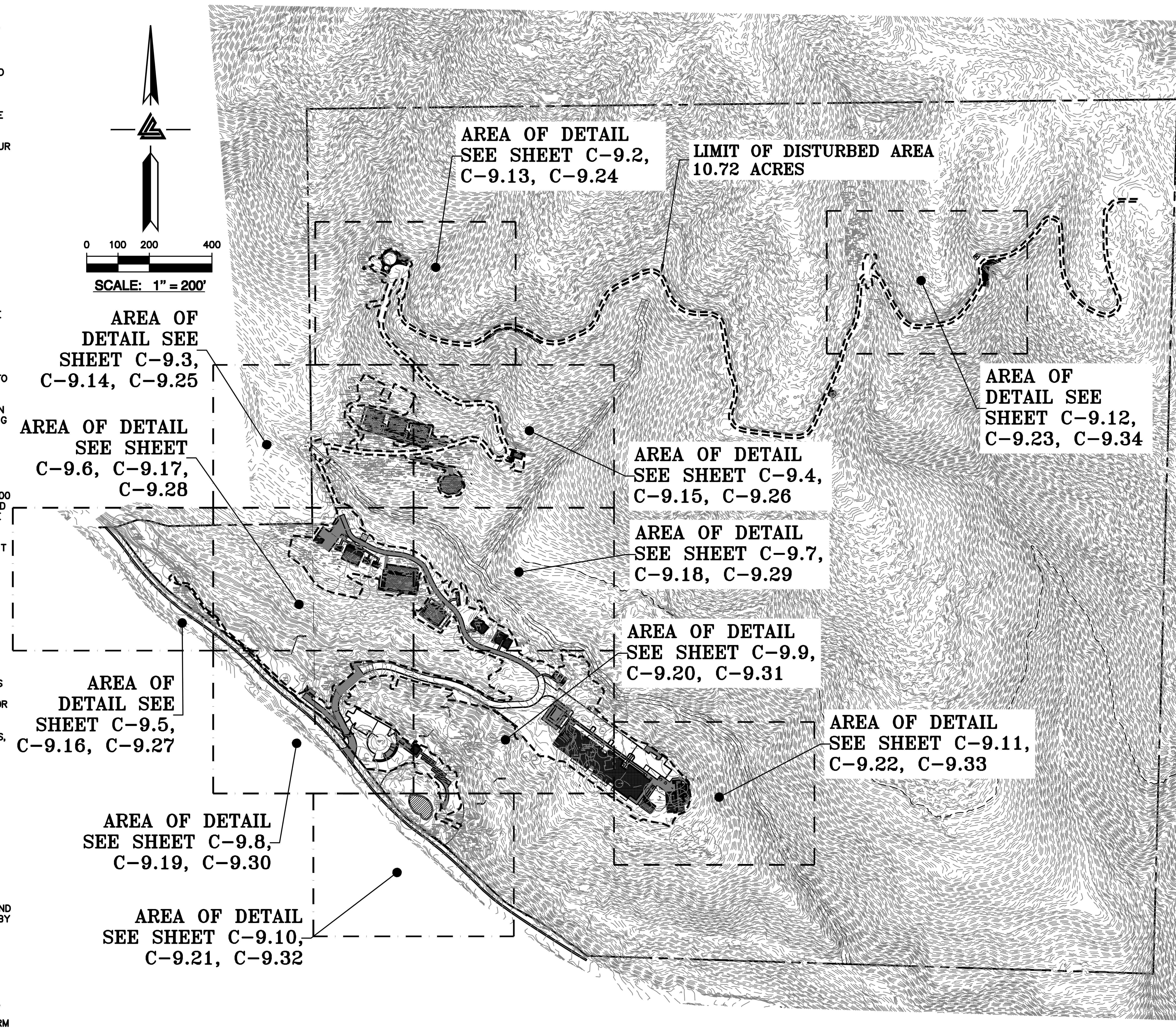
T. DELINEATE WITH FIELD MARKERS CLEARING LIMITS, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES, AND DRAINAGE COURSES.

U. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.

V. THE CONTRACTOR SHALL TRAIN AND PROVIDE INSTRUCTION TO ALL EMPLOYEES AND SUBCONTRACTORS REGARDING THE CONSTRUCTION BEST MANAGEMENT PRACTICES, INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE.

W. THE PROJECT CONTRACTOR SHALL TRAIN AND PROVIDE INSTRUCTION TO ALL EMPLOYEES AND SUBCONTRACTORS REGARDING THE CONSTRUCTION BEST MANAGEMENT PRACTICES INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE.

X. ADDITIONAL BEST MANAGEMENT PRACTICES, IN ADDITION TO THOSE SHOWN ON THE APPROVED PLANS, MAY BE REQUIRED BY THE BUILDING INSPECTOR TO MAINTAIN EFFECTIVE STORMWATER MANAGEMENT DURING CONSTRUCTION ACTIVITIES AND FOR POST-CONSTRUCTION SITE STABILIZATION. ANY WATER LEAVING THE SITE SHALL BE CLEAR AND RUNNING SLOWLY AT ALL TIMES.



DUST CONTROL GUIDELINES:

A. ALL GRADED SURFACES AND MATERIALS, WHETHER FILLED, EXCAVATED, TRANSPORTED OR STOCKPILED, SHALL BE WETTED, PROTECTED OR CONTAINED IN SUCH A MANNER AS TO PREVENT ANY SIGNIFICANT NUISANCE FROM DUST, OR SPILLAGE UPON ADJOINING WATER BODY, PROPERTY, OR STREETS. EQUIPMENT AND MATERIALS ON THE SITE SHALL BE USED IN SUCH A MANNER AS TO AVOID EXCESSIVE DUST. A DUST CONTROL PLAN MAY BE REQUIRED AT ANY TIME DURING THE COURSE OF THE PROJECT.

B. A DUST PALLIATIVE SHALL BE APPLIED TO THE SITE (ALL GRADED/DISTURBED AREAS, PRIVATE ROADS AND, IF APPLICABLE, PUBLIC COUNTY ROADWAYS) WHEN REQUIRED BY THE COUNTY. THE TYPE AND RATE OF APPLICATION SHALL BE RECOMMENDED BY THE SOILS ENGINEER AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS, THE PLANNING AND BUILDING DEPARTMENT'S GEOTECHNICAL ENGINEER, AND THE REGIONAL WATER QUALITY CONTROL BOARD.

EC-1

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SITE INFORMATION:

SITE AREA:	169.8 AC
DISTURBED AREA:	10.72 AC
GRADED AREA:	8.00 AC
% SITE TO BE DISTURBED:	6.0 %
% SITE TO BE GRADED:	4.7 %
% IMPERVIOUS BEFORE PROJECT:	0.02 %
% IMPERVIOUS AFTER PROJECT:	2.20 %

NOTE:
SEAL ALL OTHER INLETS NOT INTENDED TO ACCEPT STORM WATER AND DIRECT FLOWS TEMPORARILY TO FUNCTIONAL SEDIMENTATION BASIN INLETS. -TYP

EC-6
WE-1

PROVIDE STRAW MULCH ON ALL EXPOSED AREAS NOT UNDER ACTIVE CONSTRUCTION.
PROVIDE LANDSCAPE PLANTING FOR PERMANENT EROSION CONTROL IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION.
ENSURE THAT ALL VEGETATION IS HEALTHY AND FULLY ESTABLISHED PRIOR TO PROJECT COMPLETION.

EROSION CONTROL LEGEND

GRAVEL BAG
SEDIMENTATION BASIN
INLET PROTECTION
SILT FENCE
CONCRETE WASHOUT
EROSION CONTROL BLANKET

ELLISON CONSERVATION
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
EROSION CONTROL NOTES

SCALE
NO SCALE

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.1

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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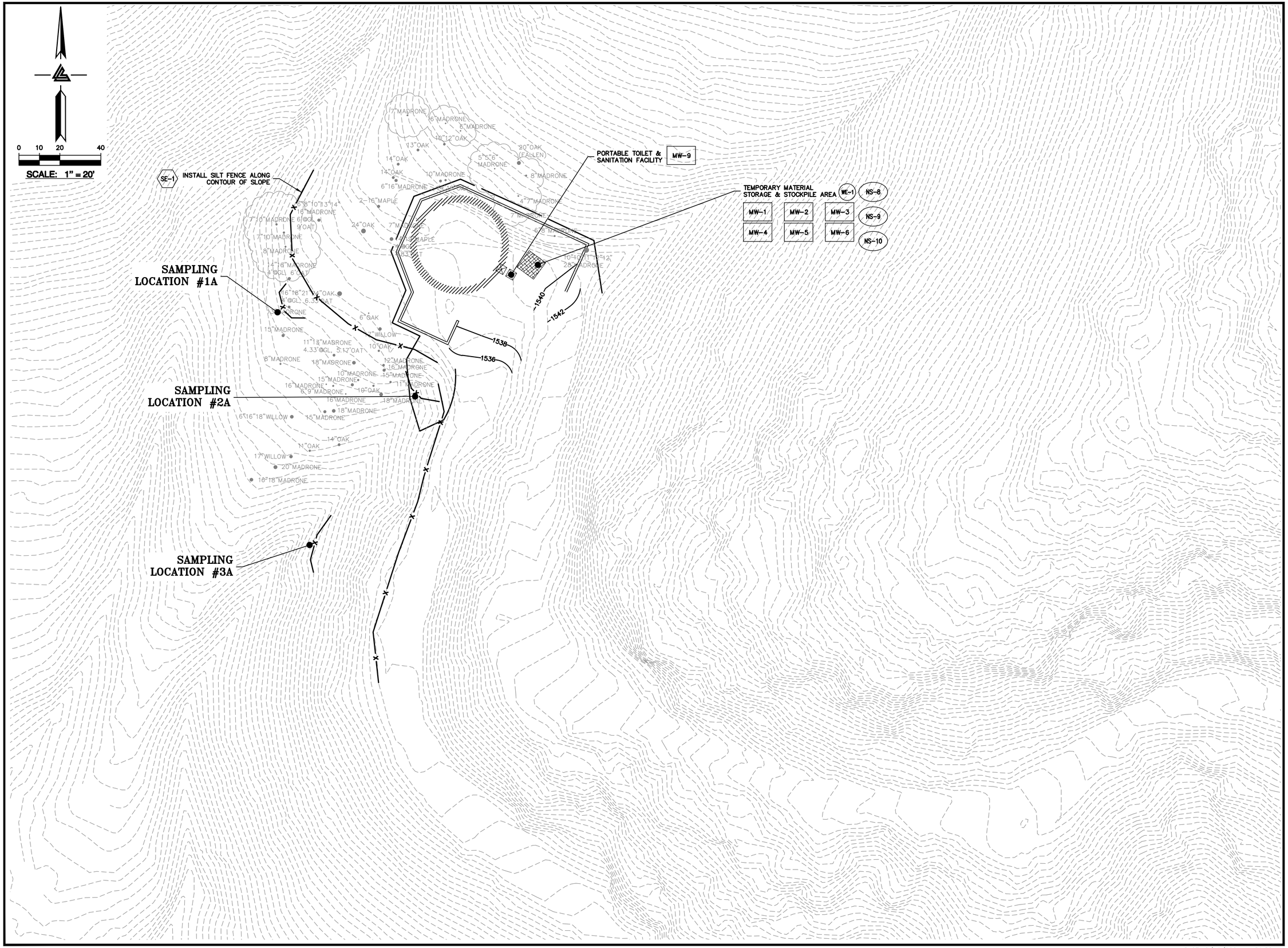

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ROAD: CONGRESS SPRINGS
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GRADING PERMIT: DEV19-1838
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PROJECT NUMBER
16011.00

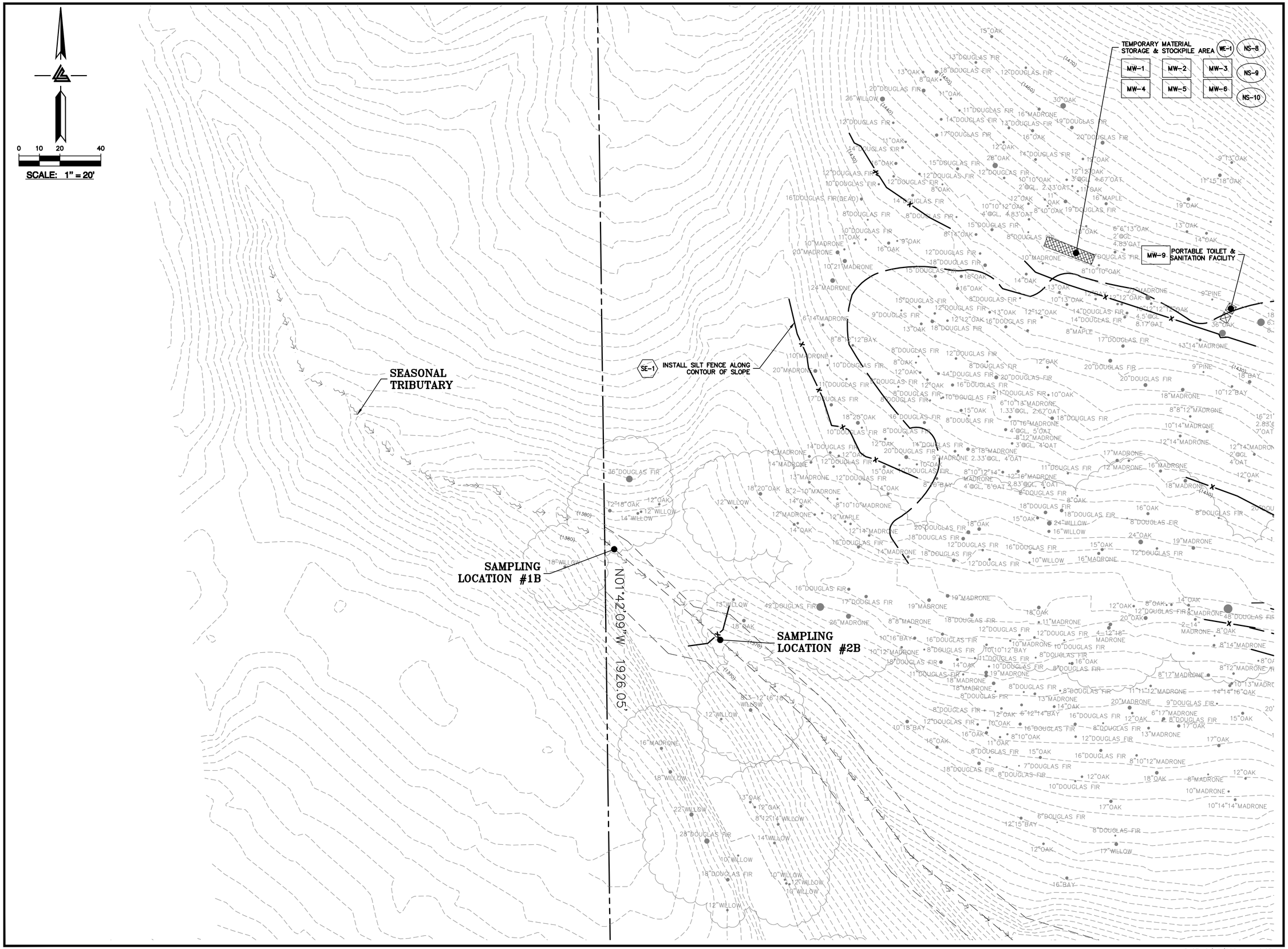
SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.2

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943



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PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
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SAMPLING LOCATION #1C

SAMPLING LOCATION #2C

SAMPLING LOCATION #3C

PORTABLE TOILET & SANITATION FACILITY MW-9

TEMPORARY MATERIAL STORAGE & STOCKPILE AREA

WE-1

MW-1 MW-2 MW-3 NS-8

MW-4 MW-5 MW-6 NS-9

NS-10

INSTALL SILT FENCE ALONG CONTOUR OF SLOPE SE-1

SEASONAL TRIBUTARY

0 10 20 40

SCALE: 1" = 20'

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SCALE	1" = 20'
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SHEET NUMBER

C-9.4

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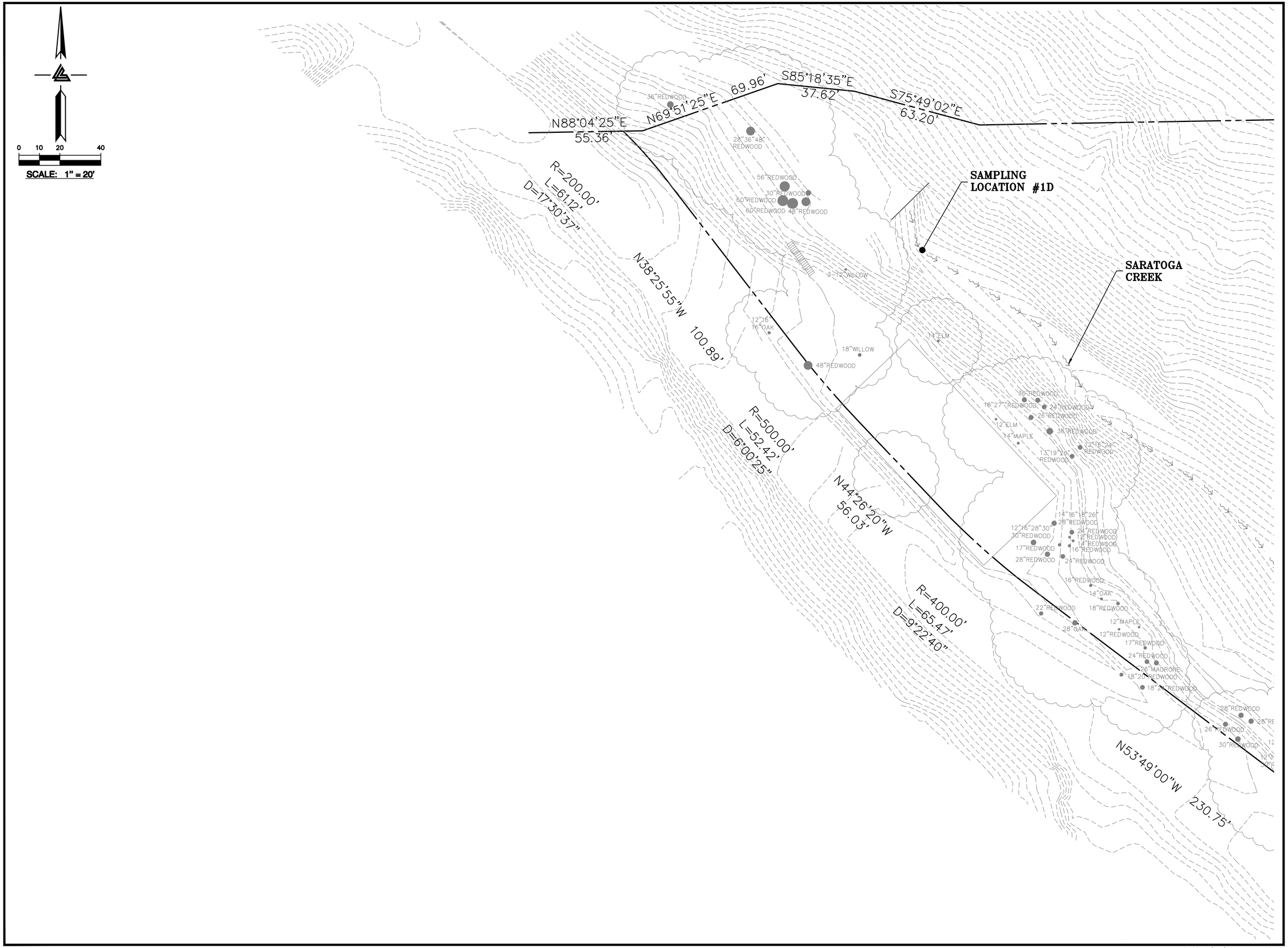

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE

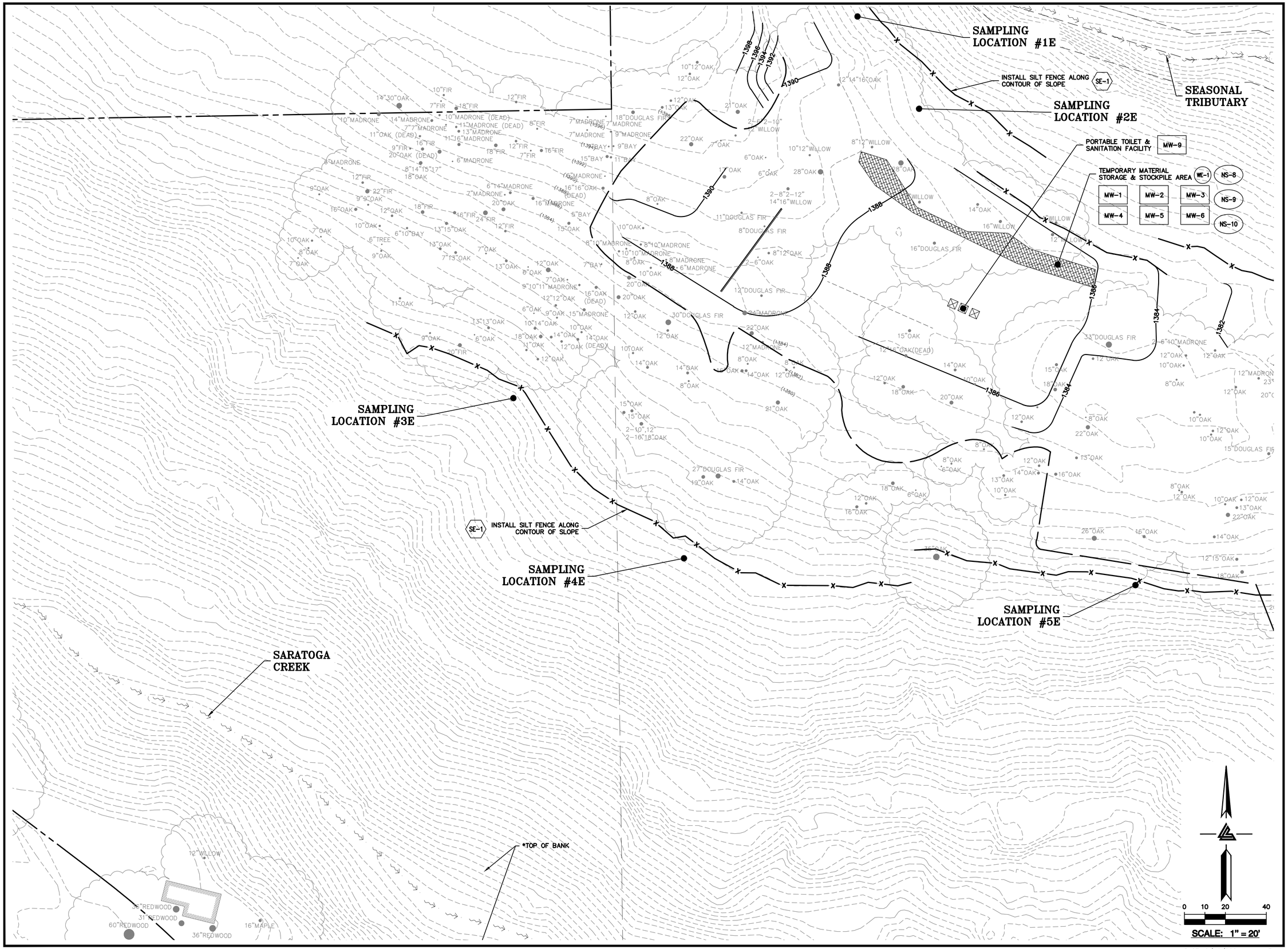
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER

C-9.5

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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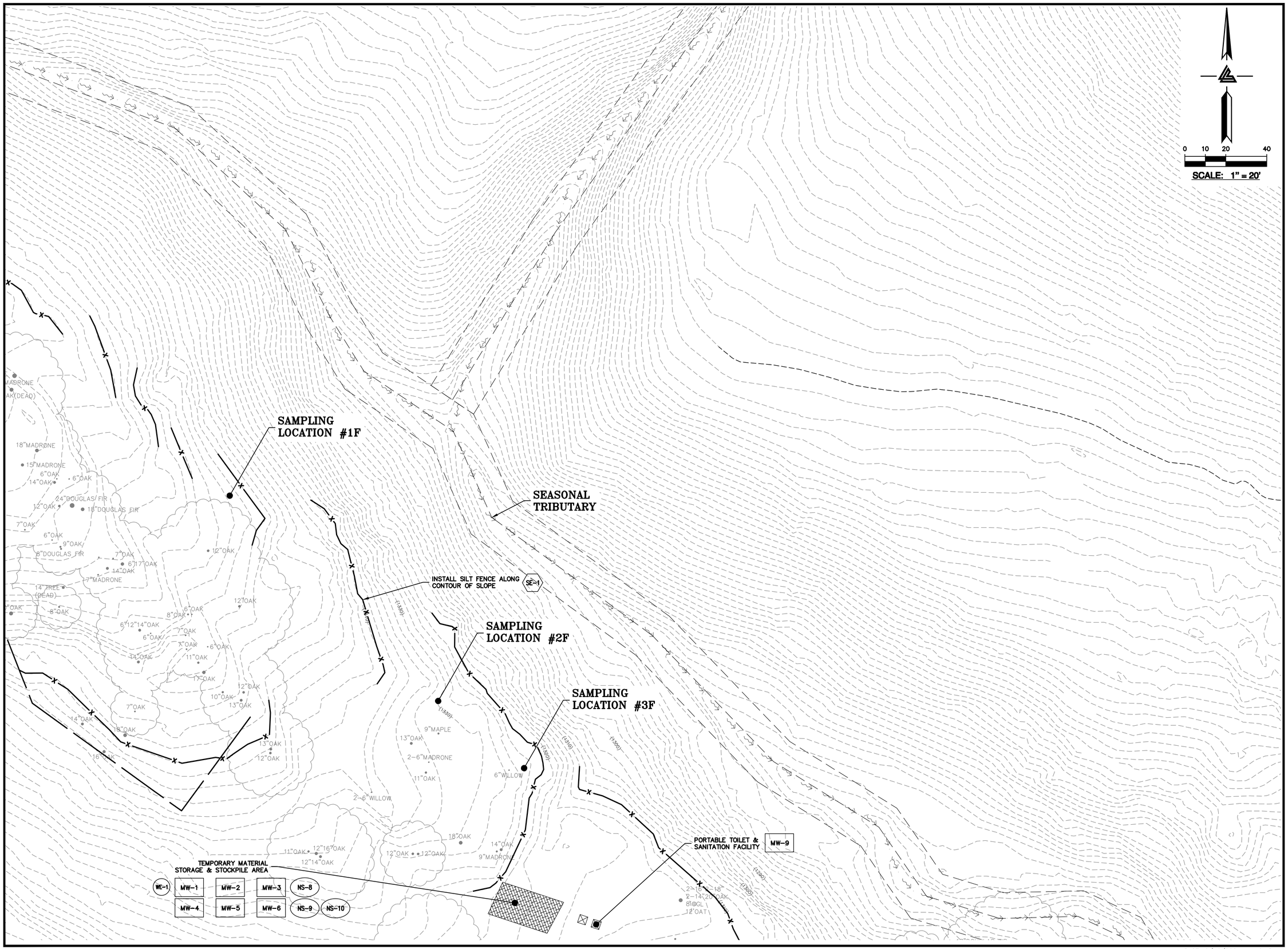

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.7

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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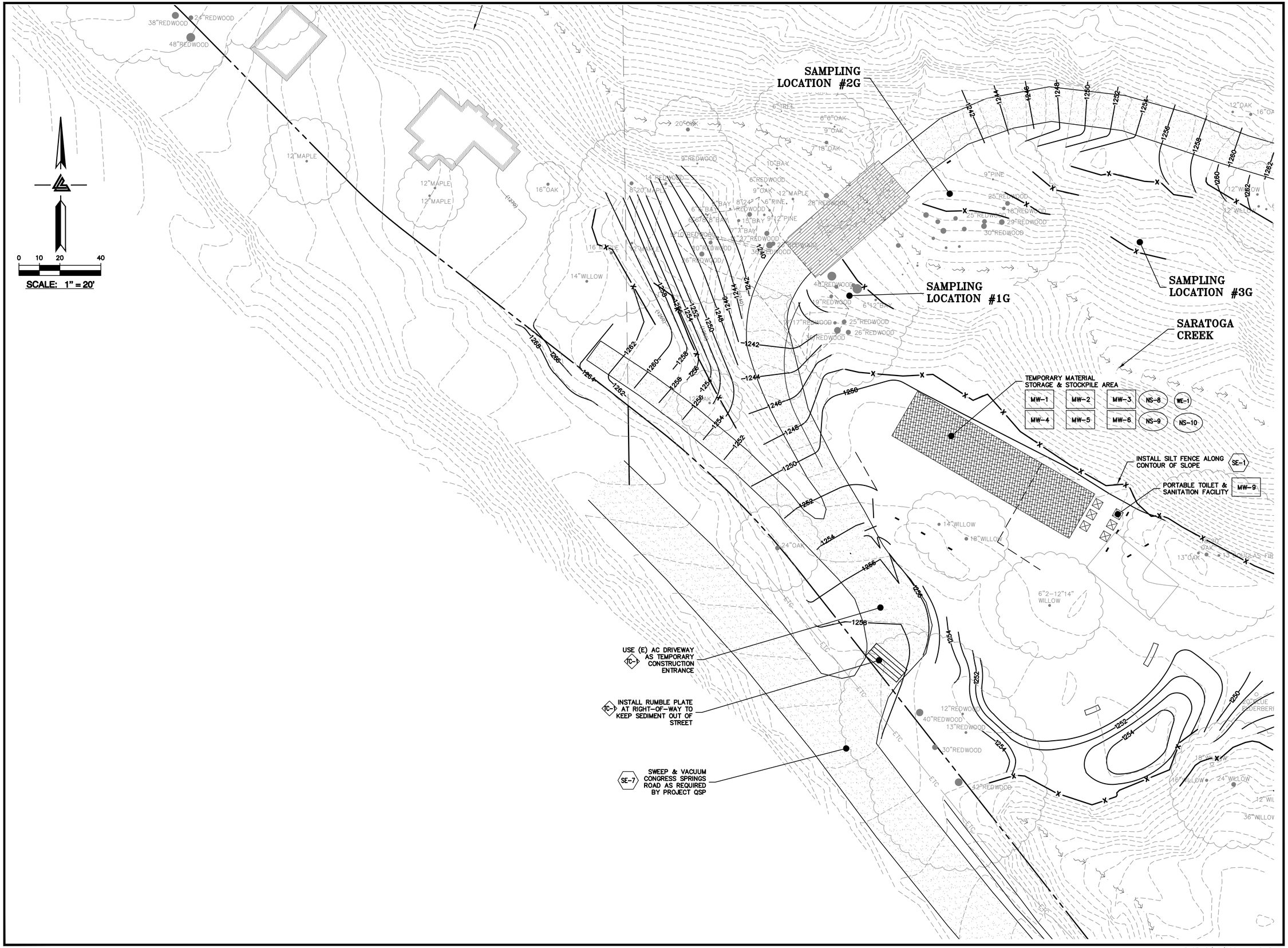

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SARATOGA, CA

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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SAMPLING LOCATION #4H

SAMPLING LOCATION #1H

SAMPLING LOCATION #2H

SAMPLING LOCATION #3H

SARATOGA CREEK

TOP OF BANK

*TOP OF BANK

SEASONAL TRIBUTARY

INSTALL SILT FENCE ALONG CONTOUR OF SLOPE SE-1

INSTALL EROSION CONTROL BLANKET UNTIL PERMANENT VEGETATION IS REESTABLISHED EC-7

EC-7 INSTALL EROSION CONTROL BLANKET UNTIL PERMANENT VEGETATION IS REESTABLISHED

PORTABLE TOILET & SANITATION FACILITY MW-9

TEMPORARY MATERIAL STORAGE & STOCKPILE AREA

NE-1	NS-8	MW-1	MW-2	MW-3
NS-10	NS-9	MW-4	MW-5	MW-6

0 10 20 40

SCALE: 1" = 20'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.9

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.10

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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TEMPORARY MATERIAL STORAGE & STOCKPILE AREA

MW-1 MW-2 MW-3 NS-8 WE-1
MW-4 MW-5 MW-6 NS-9 NS-10

PORTABLE TOILET & SANITATION FACILITY MW-9

SEASONAL TRIBUTARY

SAMPLING LOCATION #2J

SAMPLING LOCATION #1J

INSTALL SILT FENCE ALONG CONTOUR OF SLOPE SE-1

0 10 20 40
SCALE: 1" = 20'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLLINO No. C79333 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.11

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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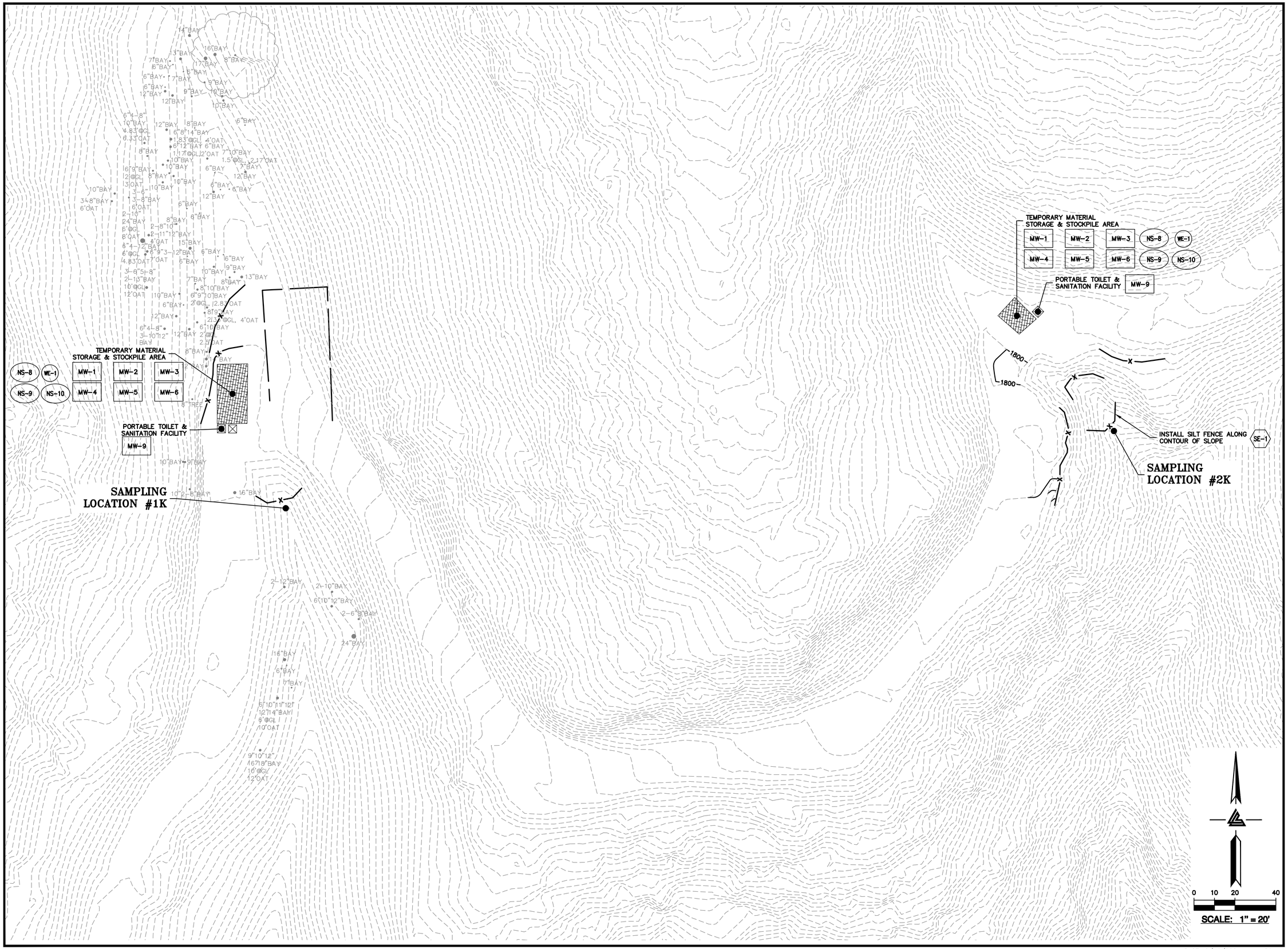

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SARATOGA, CA

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PETER CARLINO
No. C79555
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.12

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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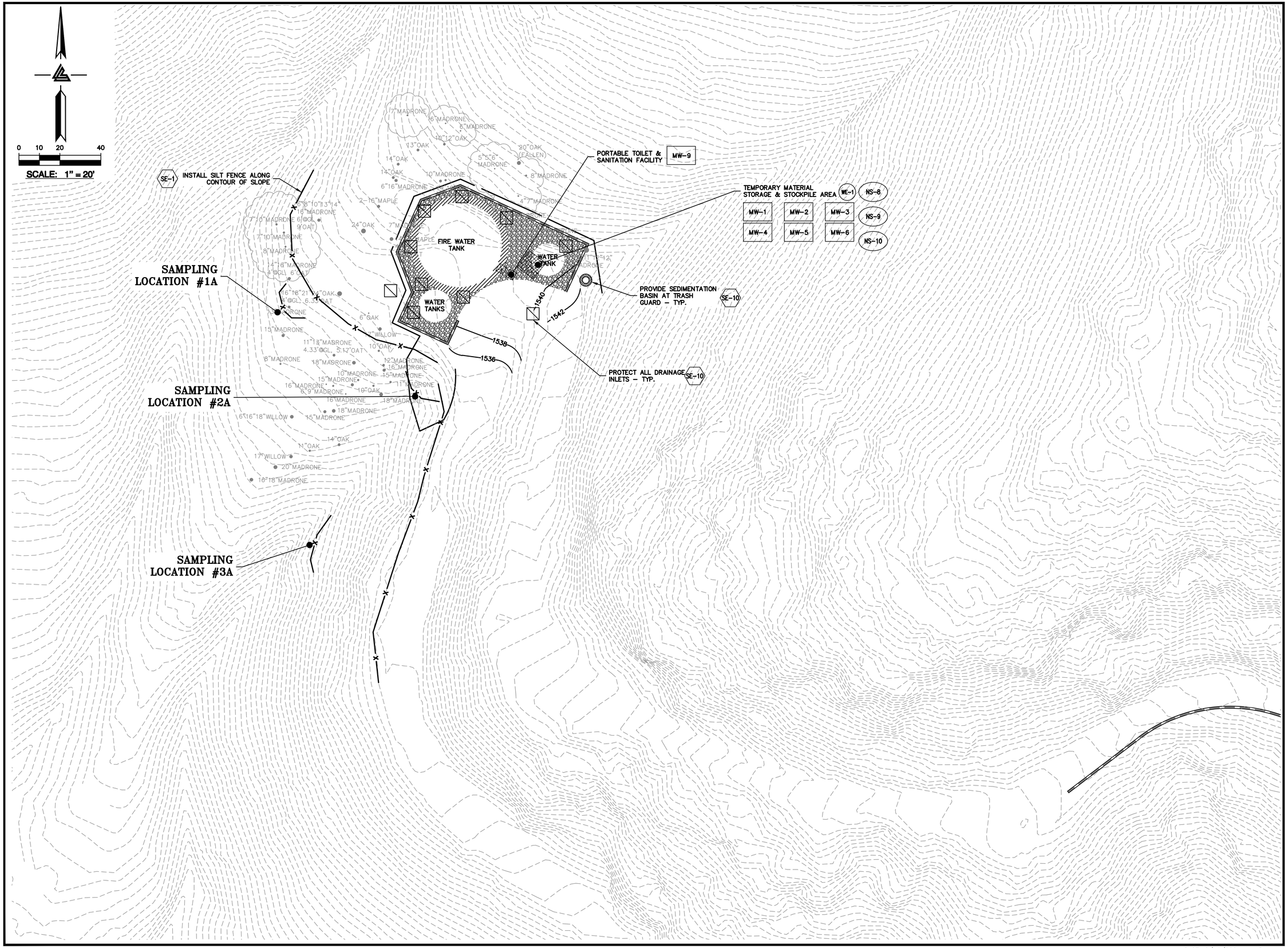

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REGISTERED PROFESSIONAL ENGINEER PETER CARLISLE No. C79535 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 2 BMP PLAN BUILDING & UTILITIES

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.13

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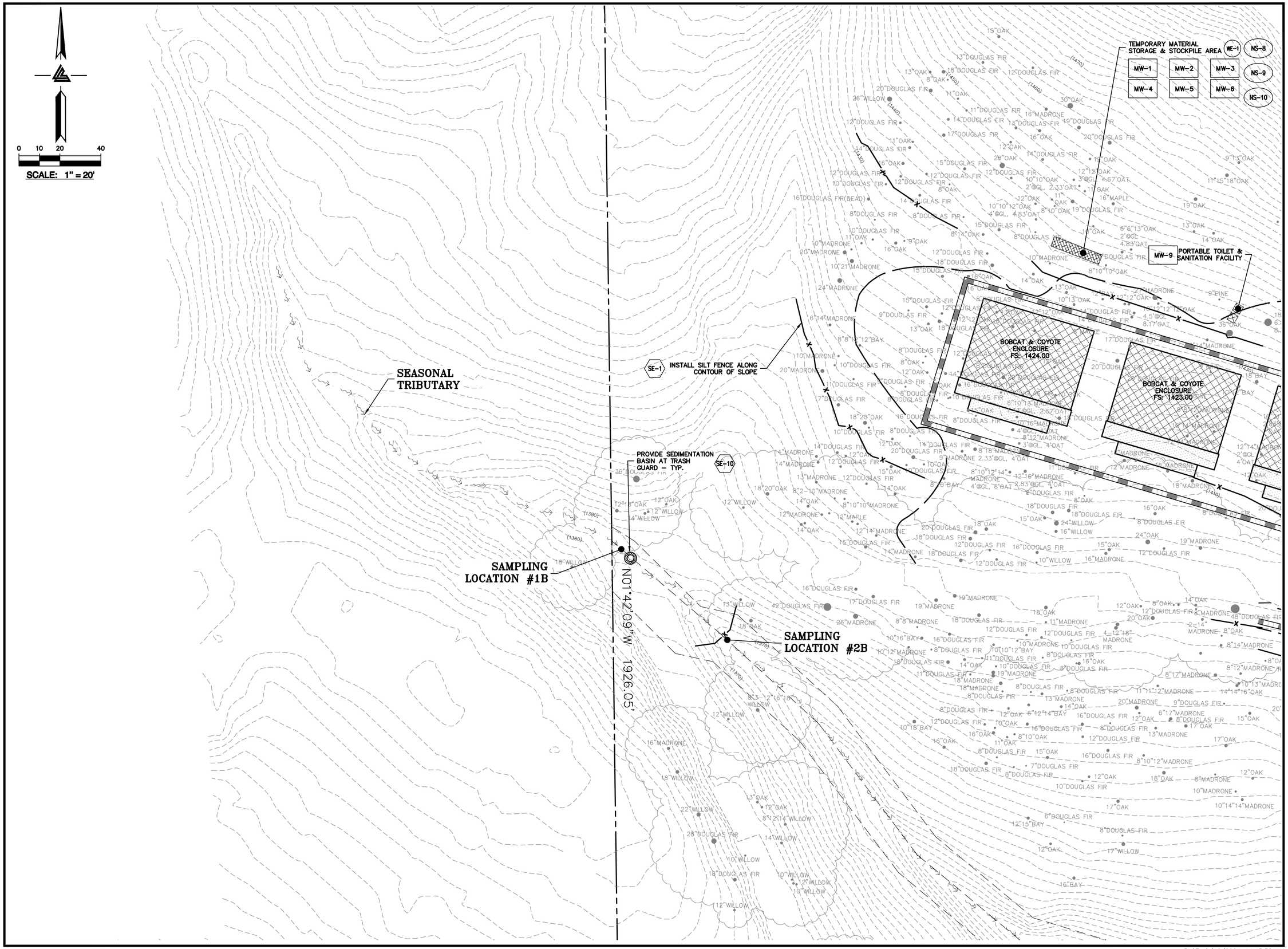

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
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PHASE 2 BMP PLAN BUILDING & UTILITIES

SCALE
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Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.14

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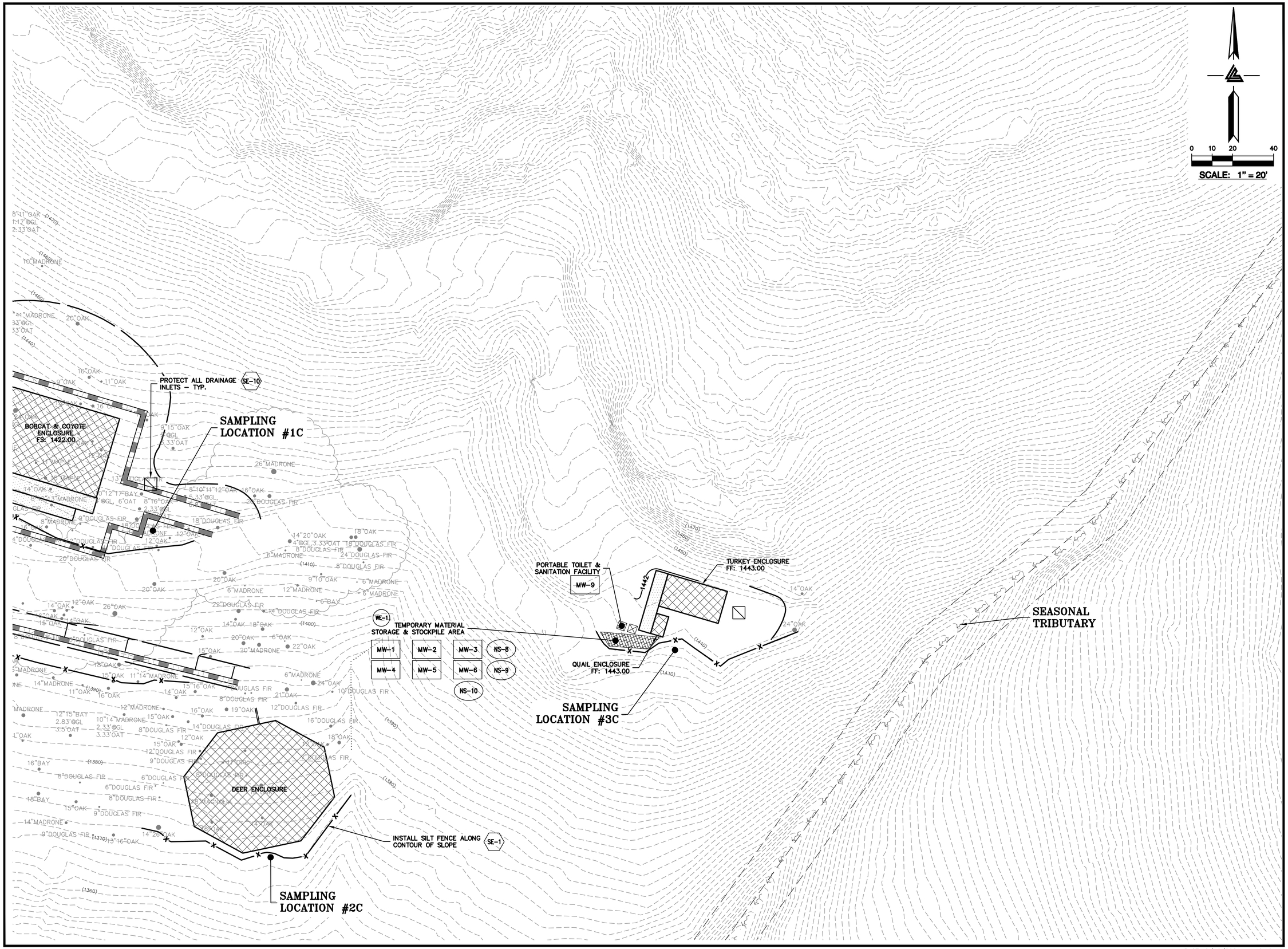

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO NO. C79333 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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05-10-19	BID SET ADDENDUM 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 2 BMP PLAN BUILDING & UTILITIES

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.15

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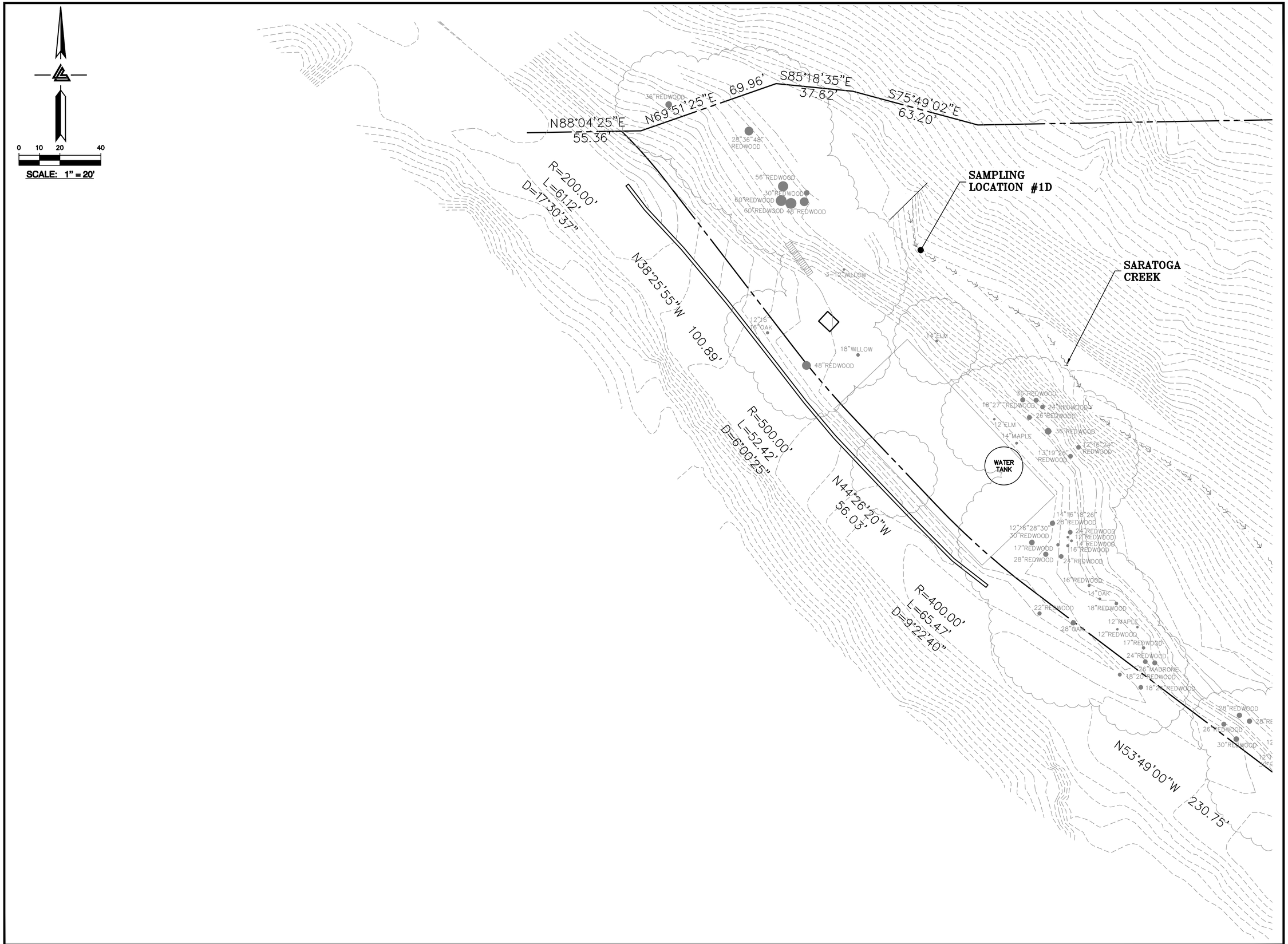

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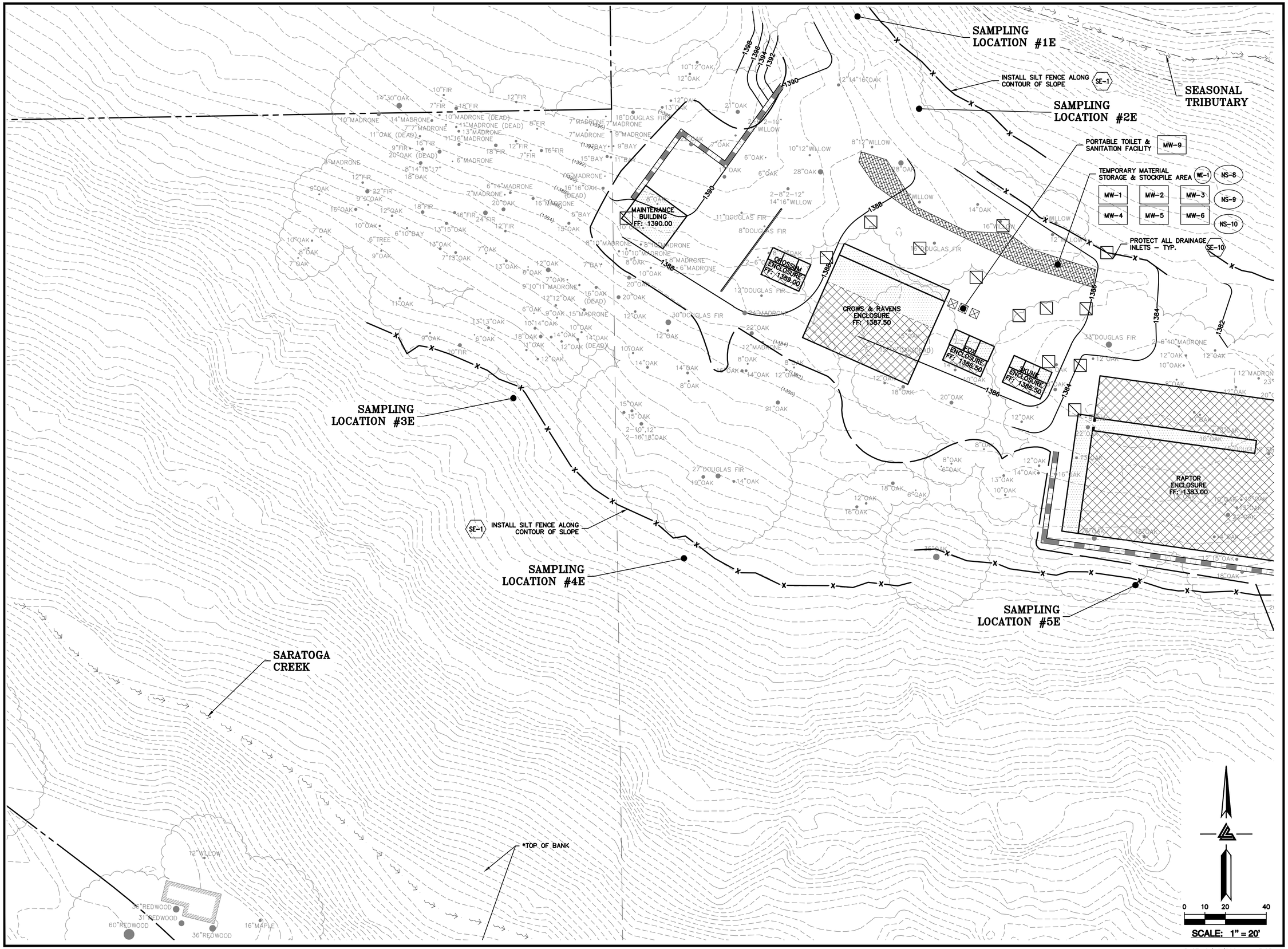

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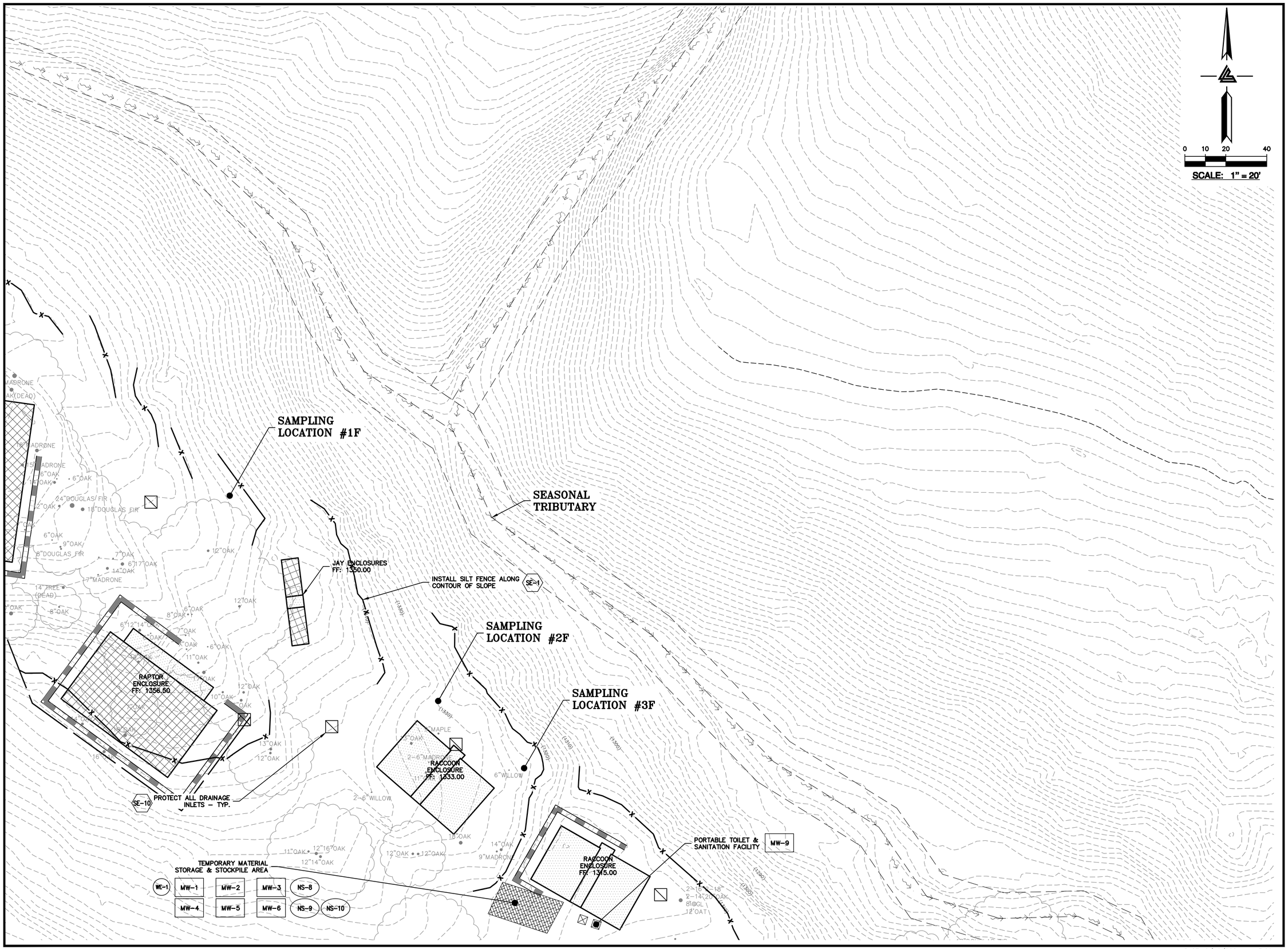

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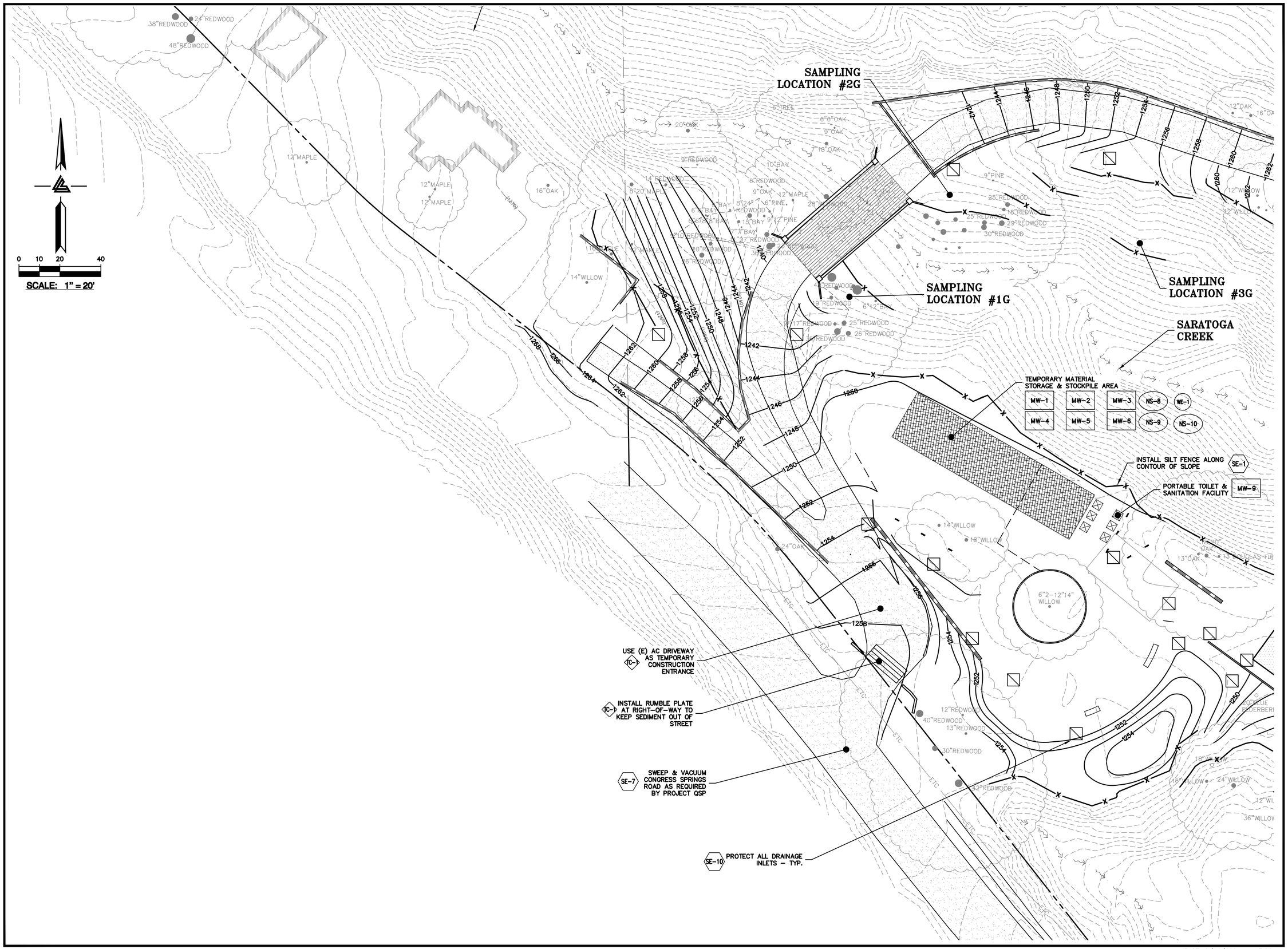

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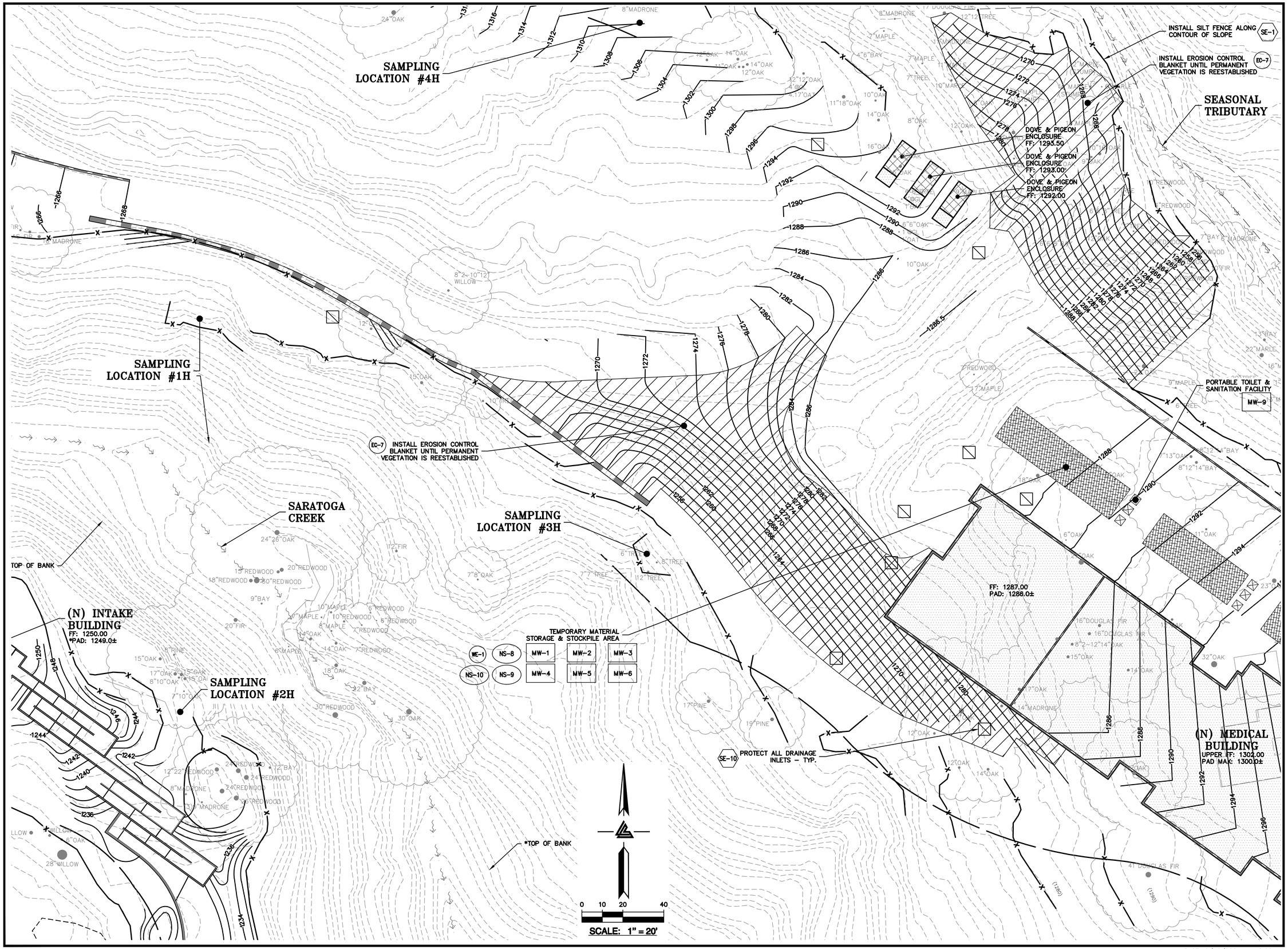

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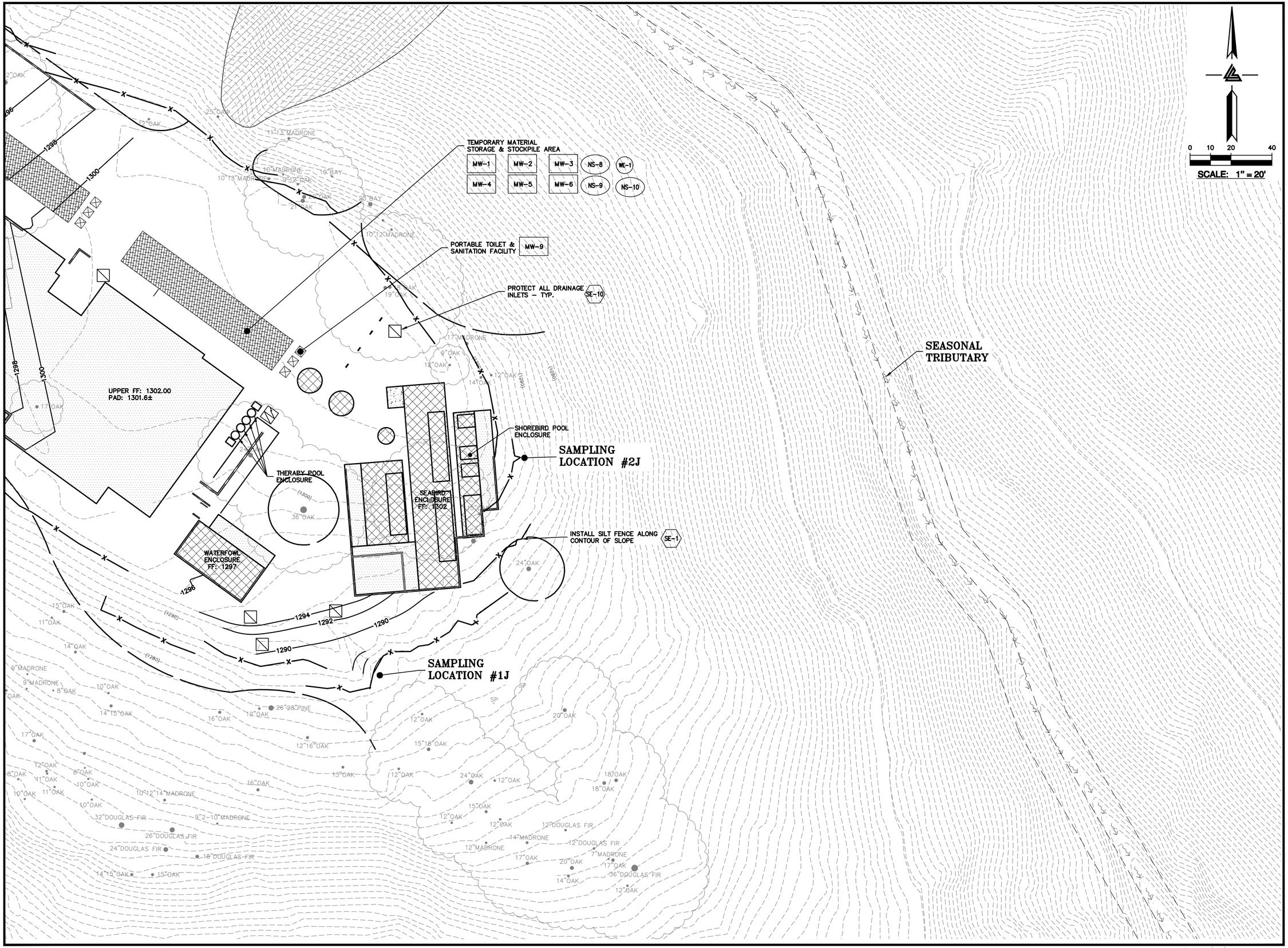

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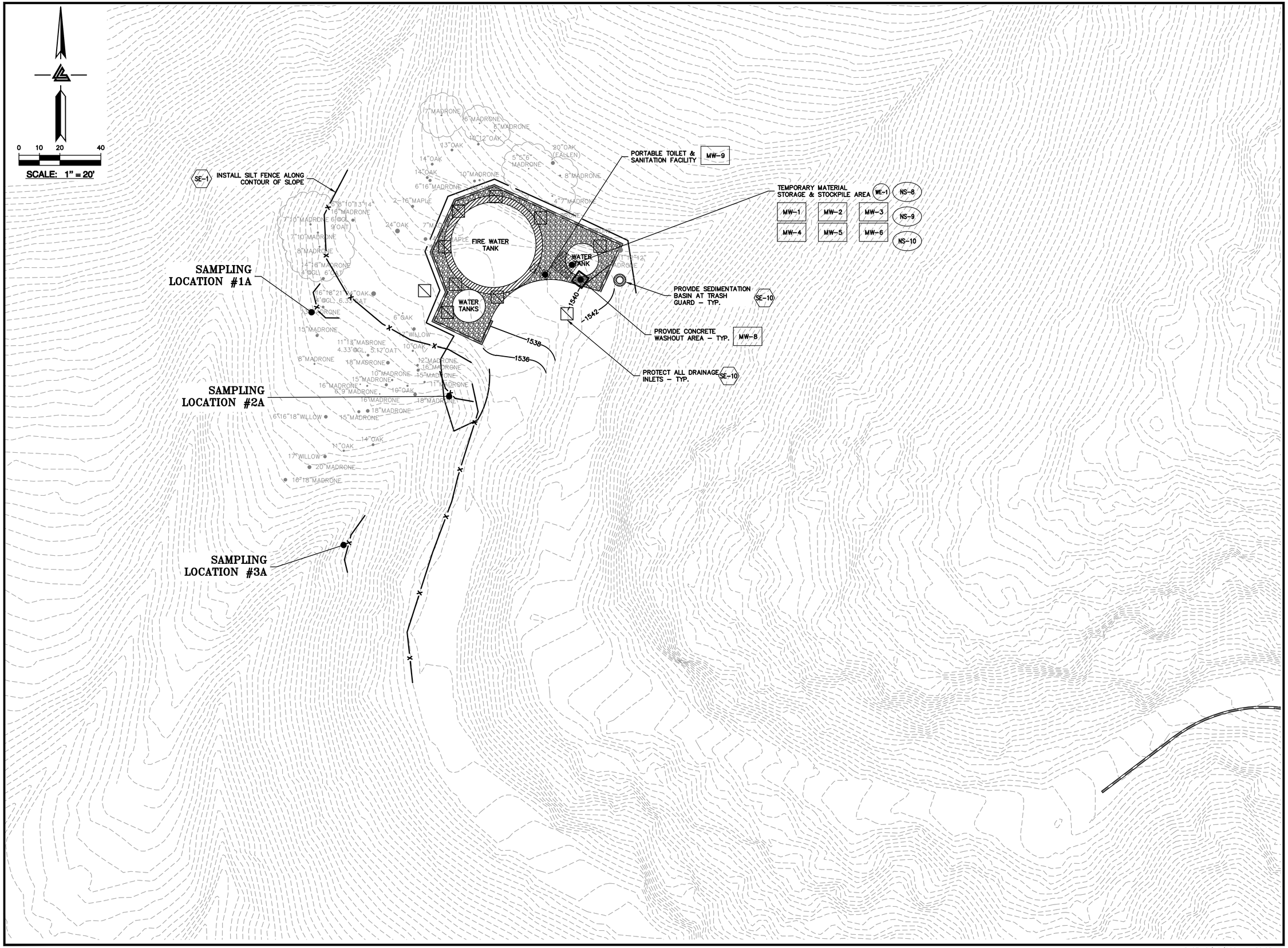

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04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.24

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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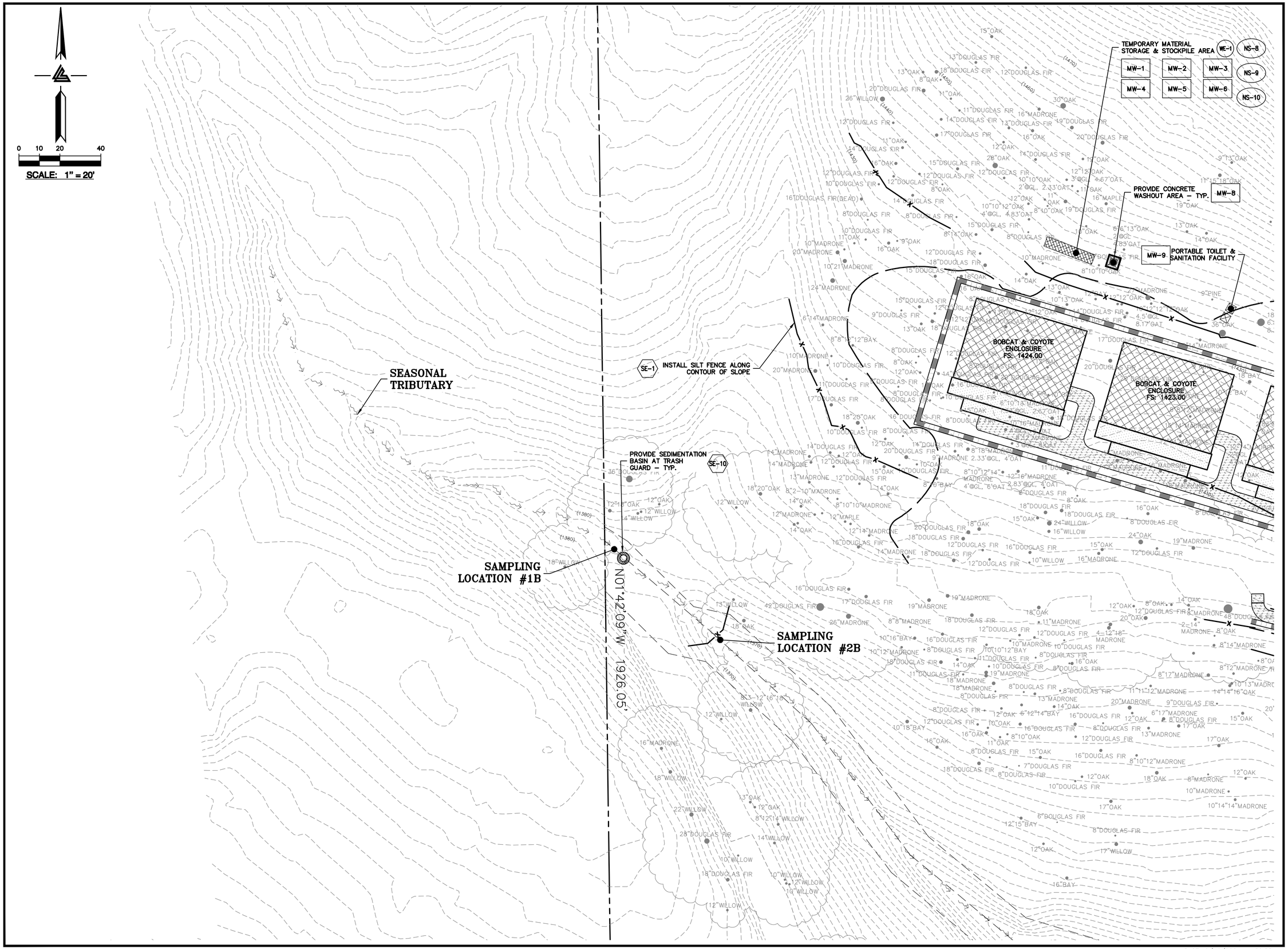

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.25

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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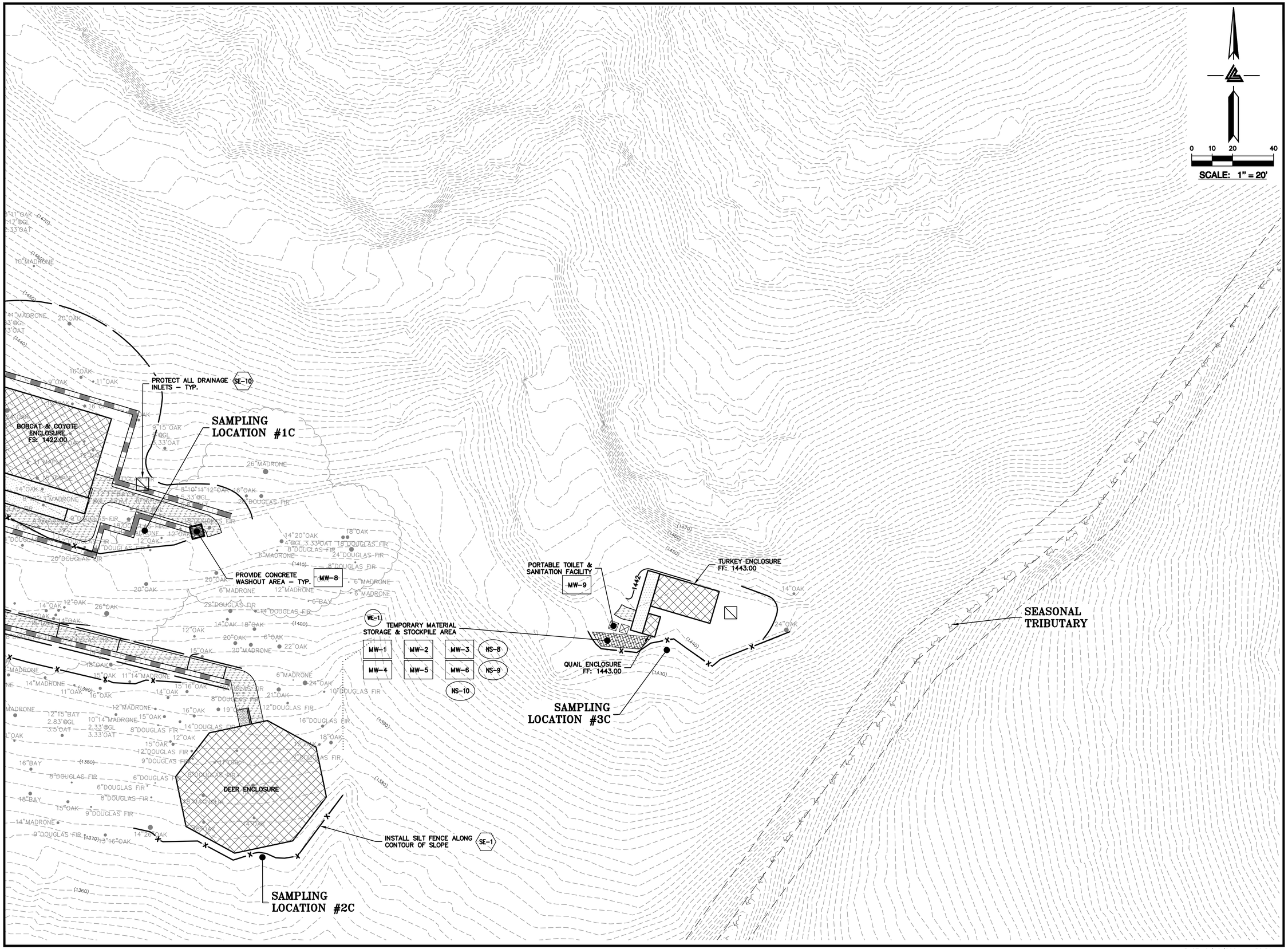

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REGISTERED PROFESSIONAL ENGINEER
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No. C79555
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STATE OF CALIFORNIA
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.26

ASA/USE PERMIT MODIFICATION #3
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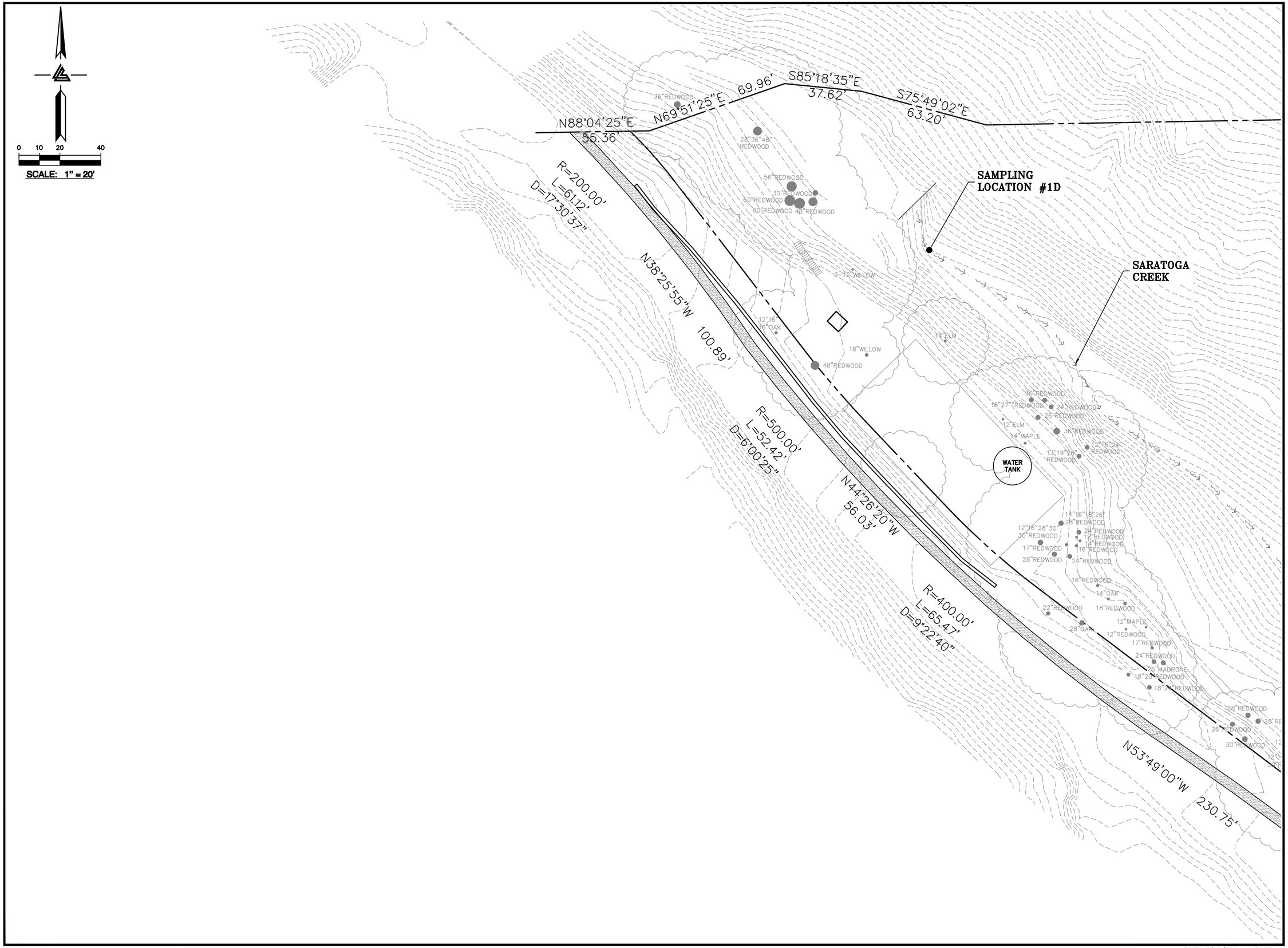

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REGISTERED PROFESSIONAL ENGINEER
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.27

ASA/USE PERMIT MODIFICATION #3
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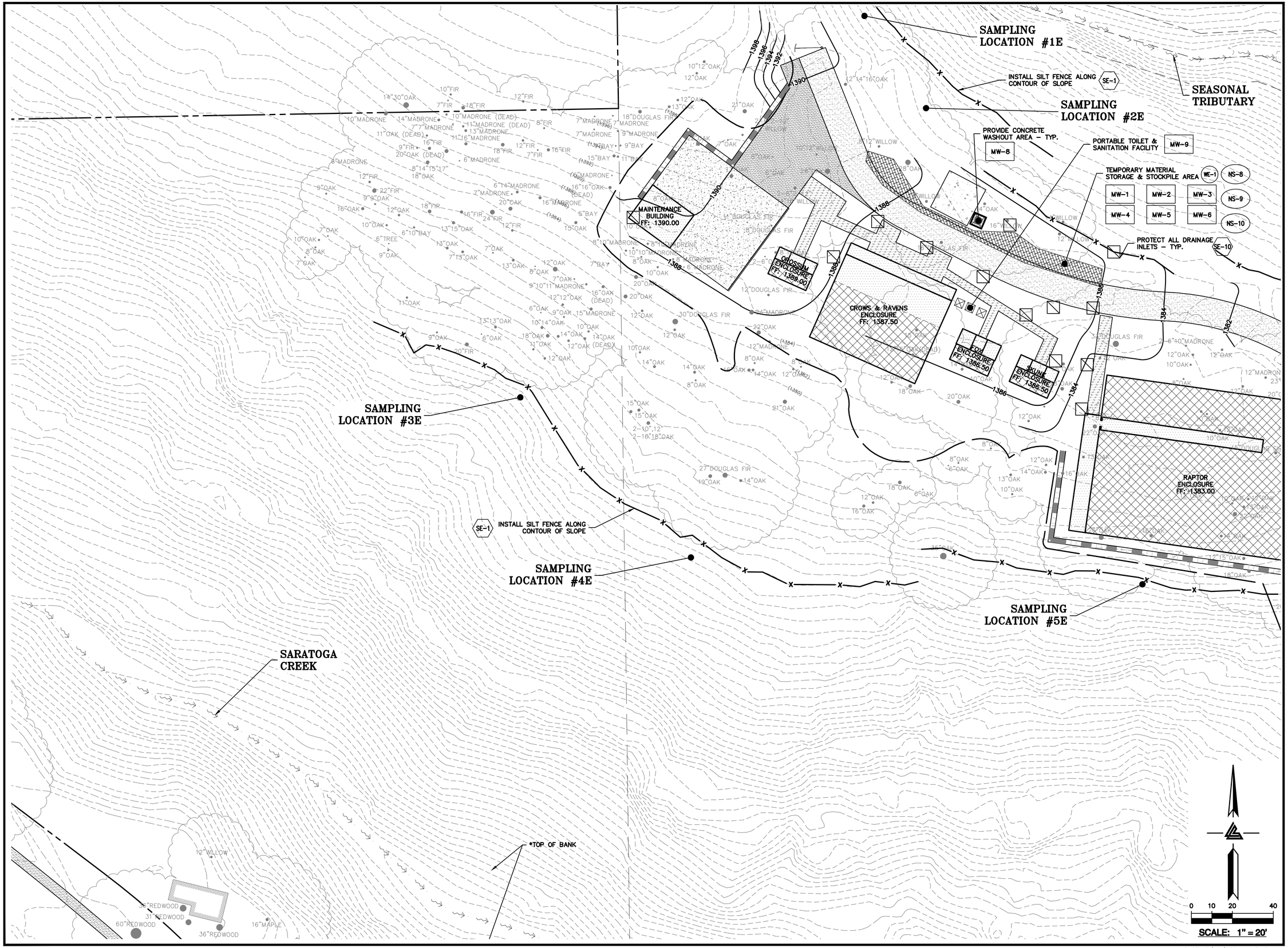

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.28

ASA/USE PERMIT MODIFICATION #3
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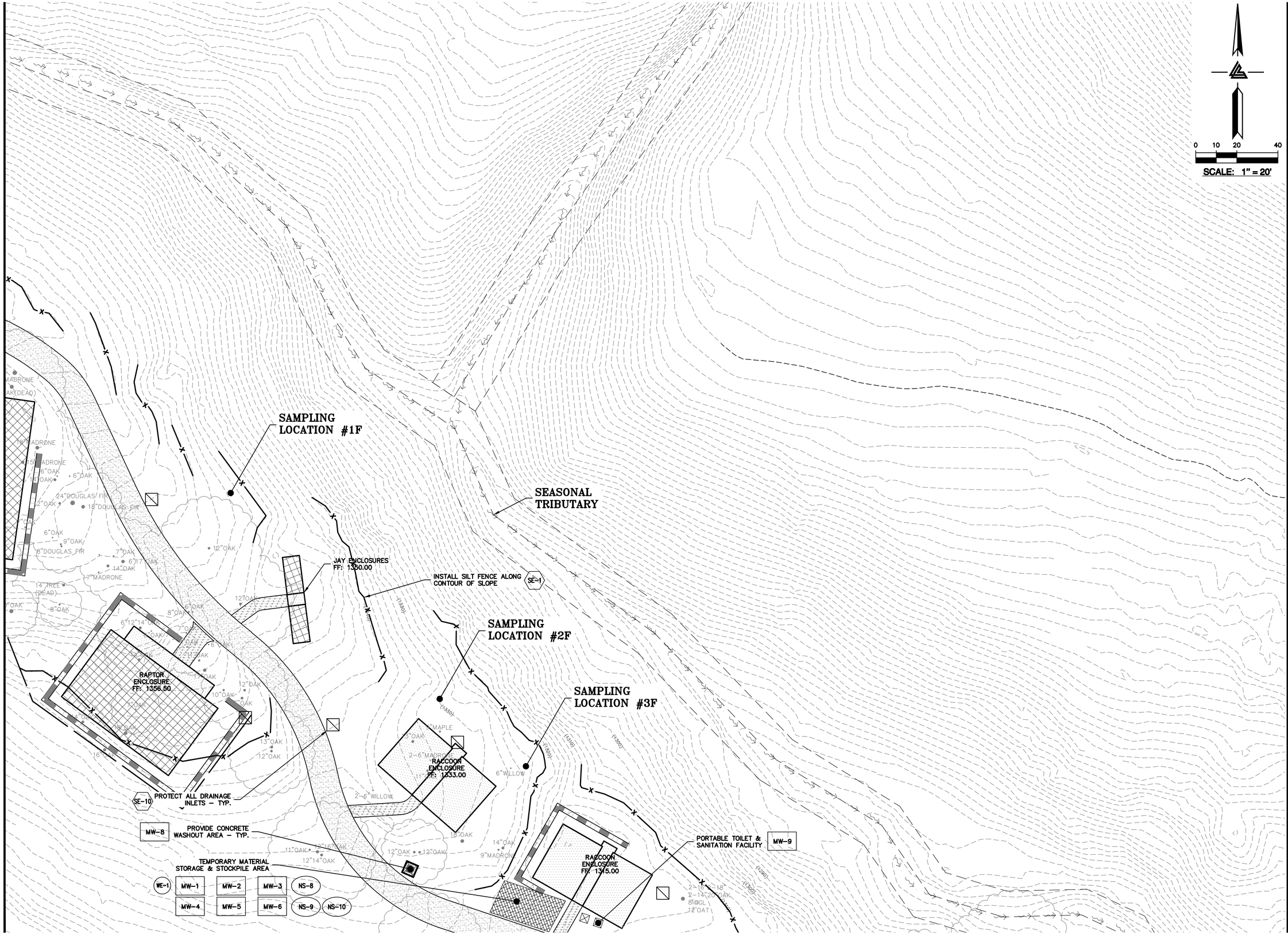

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STATE OF CALIFORNIA
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ISSUES AND REVISIONS

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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

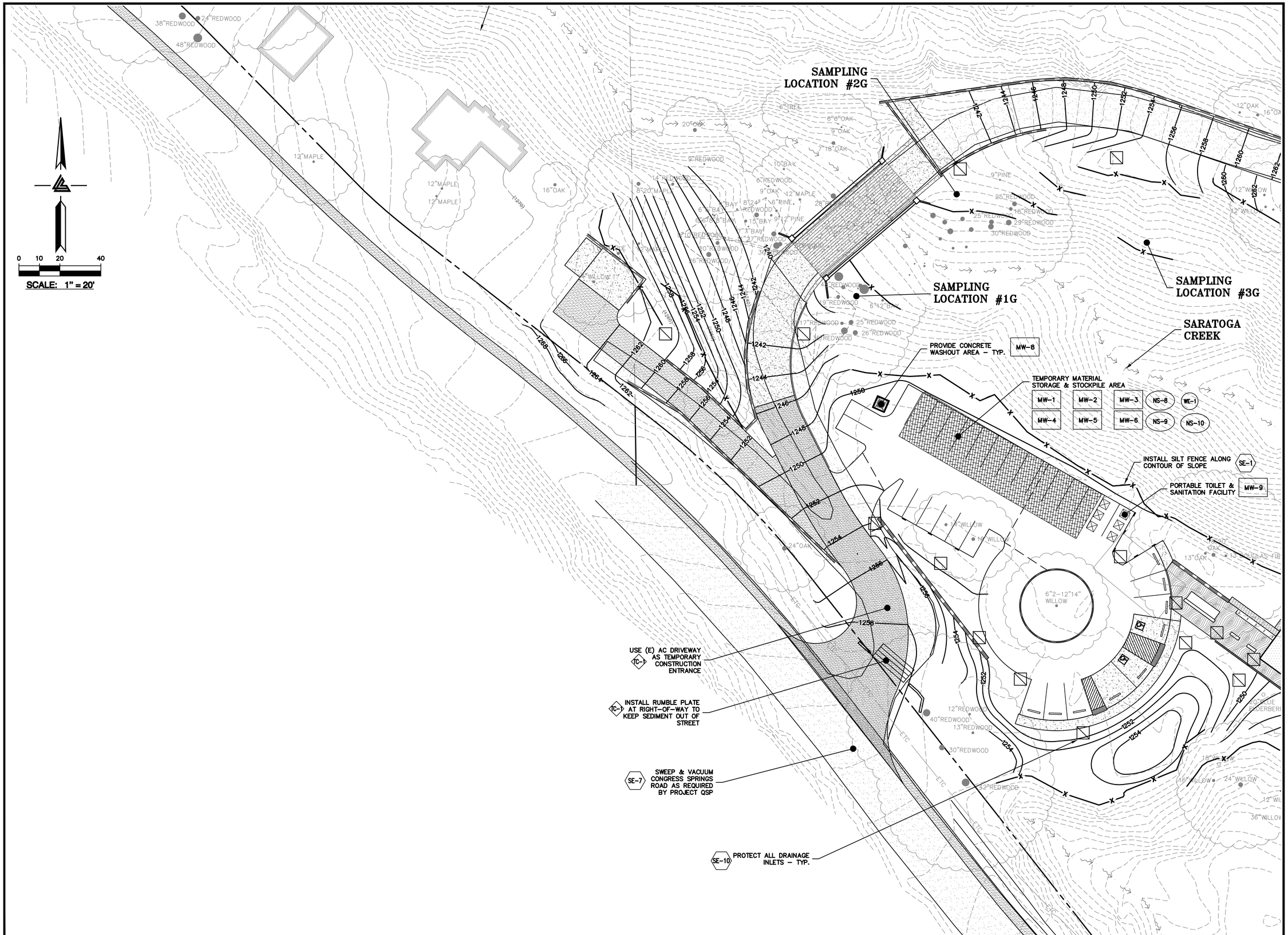
SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.29

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943



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REGISTERED PROFESSIONAL ENGINEER
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ISSUES AND REVISIONS

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-9.30

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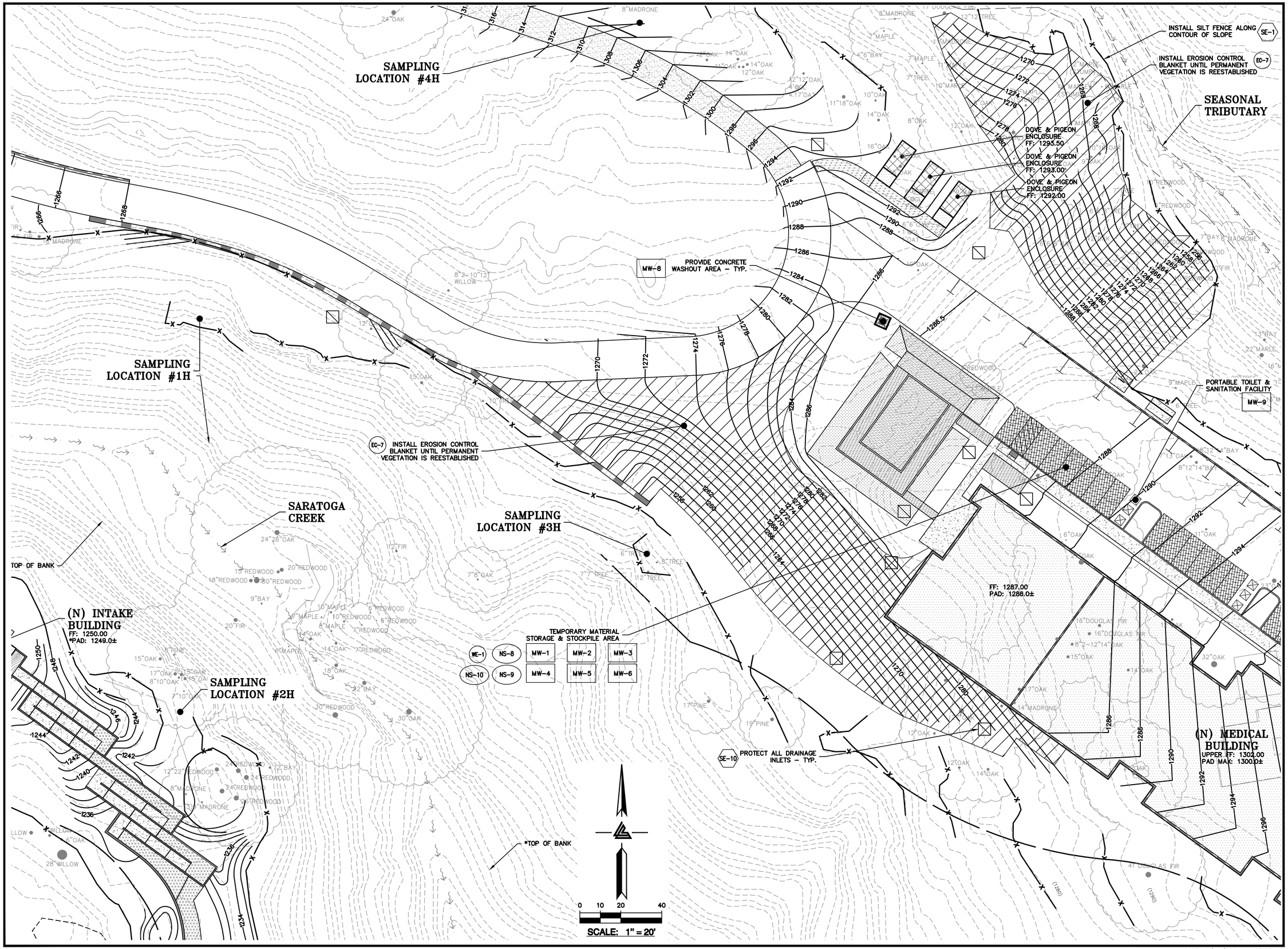

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
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UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.31

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
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UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
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LB Job No.	2130712

SHEET NUMBER
C-9.32

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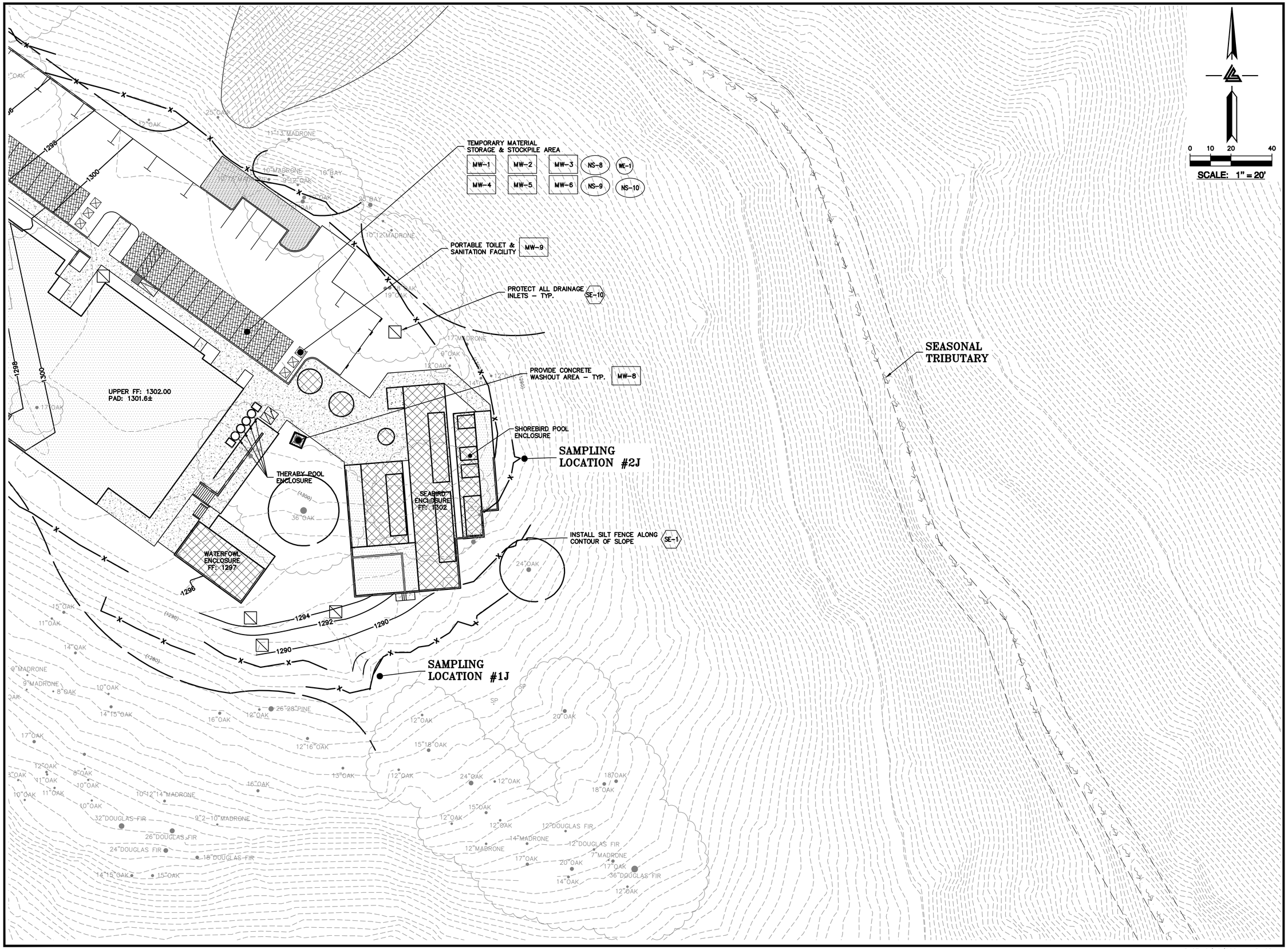

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
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SHEET NUMBER
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PLOT: 2/16/2021 11:54:49 AM

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLLINO
No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

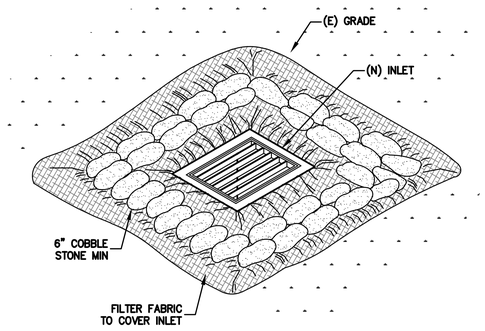
SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

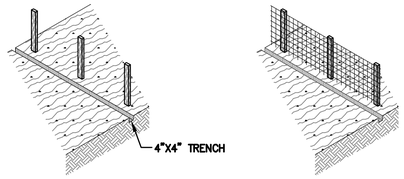
SHEET NUMBER
C-9.34

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

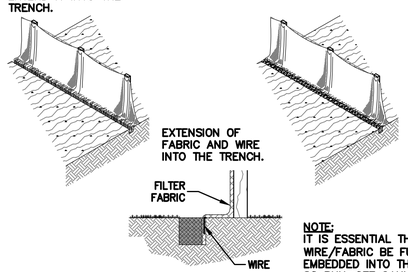


INLET PROTECTION
NTS

1. SET POSTS AND EXCAVATE A 4"X4" TRENCH UP SLOPE ALONG THE LINE OF POSTS.
2. STAPLE WIRE FENCE TO THE POSTS.

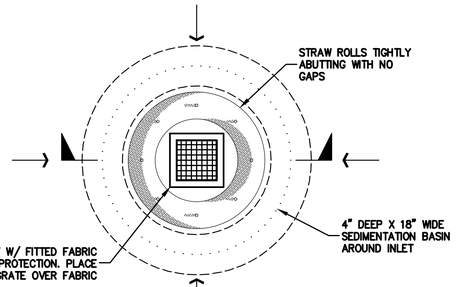


3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



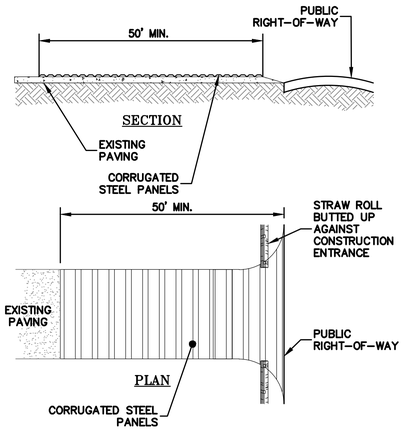
NOTE:
IT IS ESSENTIAL THAT THE WIRE/FABRIC BE FULLY EMBEDDED INTO THE GROUND SO RUN-OFF CANNOT FLOW FREELY UNDER FENCE.

SILT FENCE
NTS



NOTE:
INSPECT SEDIMENTATION BASIN AFTER STORM EVENTS. CLEAR SEDIMENTATION AS REQUIRED.

SEDIMENTATION BASIN
NTS



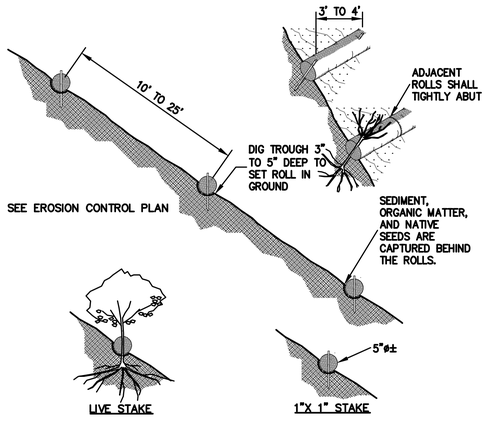
STEEL PLATED CONSTRUCTION ENTRANCE
NTS

NOTES:

CORRUGATED STEEL PANELS SHALL BE A MINIMUM OF 50'.

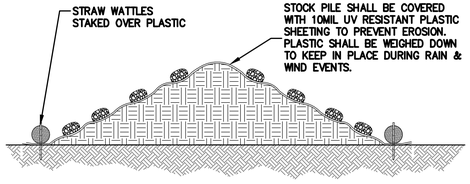
WIDTH SHALL BE A MIN. OF 15' OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.

ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL. WITH MAINTENANCE PROVIDED AS NECESSARY.



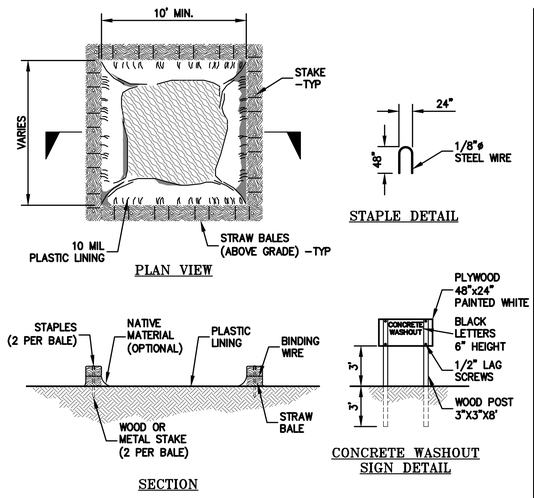
NOTE:
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
2. CONTRACTOR IS RESPONSIBLE FOR REGULAR MAINTENANCE AND INSPECTION. THE SILT SHALL BE CLEANED OUT WHEN IT REACHES HALF THE HEIGHT OF THE ROLL.

STRAW ROLLS
NTS



NOTE:
STOCKPILE TO BE WITHIN PROPERTY AND CLEAR OF TREE DRIPLINE AND ROOTS.

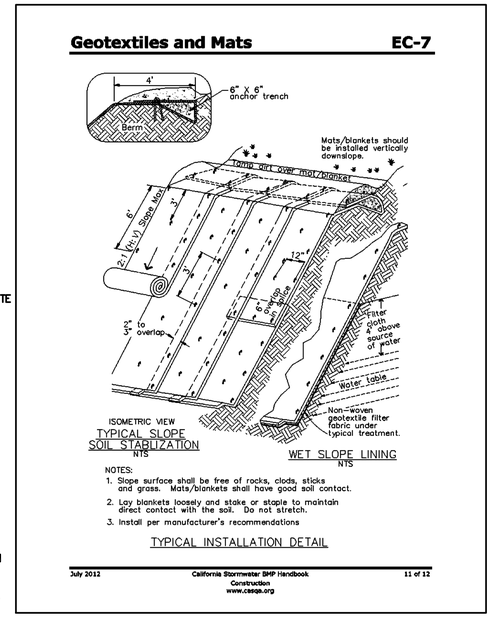
STOCK PILE COVERING
NTS



NOTES:
ACTUAL LAYOUT DETERMINED IN FIELD.

THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT
NTS



SEDIMENTATION BASIN
NTS

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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
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PROJECT NUMBER
16011.00

SHEET TITLE
EROSION CONTROL DETAILS

SCALE
NTS

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.35

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD – 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

PERMANENT STORMWATER CONTROL MEASURES:

PROVIDE AREA DRAINS TO COLLECT LOCALIZED RUNOFF FOR STORM WATER RETENTION AND METERING.

PROVIDE A STORM WATER RETENTION SYSTEM TO RETAIN AND METER THE RELEASE OF COLLECTED STORM WATER TO PREVENT AN INCREASE IN RUNOFF LEAVING THE SITE AFTER CONSTRUCTION.

PERMANENT EROSION CONTROL MEASURES:

PROVIDE AN OPEN BOTTOM FOR THE RETENTION SYSTEM OUTLET BUBBLER TO PROMOTE INFILTRATION OF STORM WATER. PROVIDE ROCK PROTECTION AT THE BUBBLER RIM AND PLANT THE AREA WITH DENSE NATIVE GRASS TO PREVENT EROSION.

LANDSCAPE ALL DISTURBED AREAS IMMEDIATELY AFTER CONSTRUCTION. HYDROSEED, PLANT OR PROVIDE PROTECTIVE MULCH TO ALL NON-LANDSCAPED AREAS TO PROVIDE PERMANENT EROSION CONTROL.

SOURCE CONTROL MEASURES:

1. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
2. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASHWATER OF SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
3. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DEWATERING SITE AND OBTAIN ALL NECESSARY PERMITS.
4. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASHWATER IS CONTAINED AND TREATED.
5. DELINEATE WITH FIELD MARKERS LIMITS ON CLEARING, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES AND DRAINAGE COURSES.
6. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
7. PERFORM CLEARING AND EARTH MOVING ACTIVITIES ONLY DURING DRY WEATHER.
8. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
9. LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
10. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE. CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.

TEMPORARY STORM WATER & EROSION CONTROL MEASURES:

1. REFER TO THE CIVIL ENGINEERING PLANS, SHEETS C-9.0-9.35, FOR DETAILED CONSTRUCTION CONTROL MEASURES AND PRACTICES.

REFERENCES:

1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION

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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 150'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.0

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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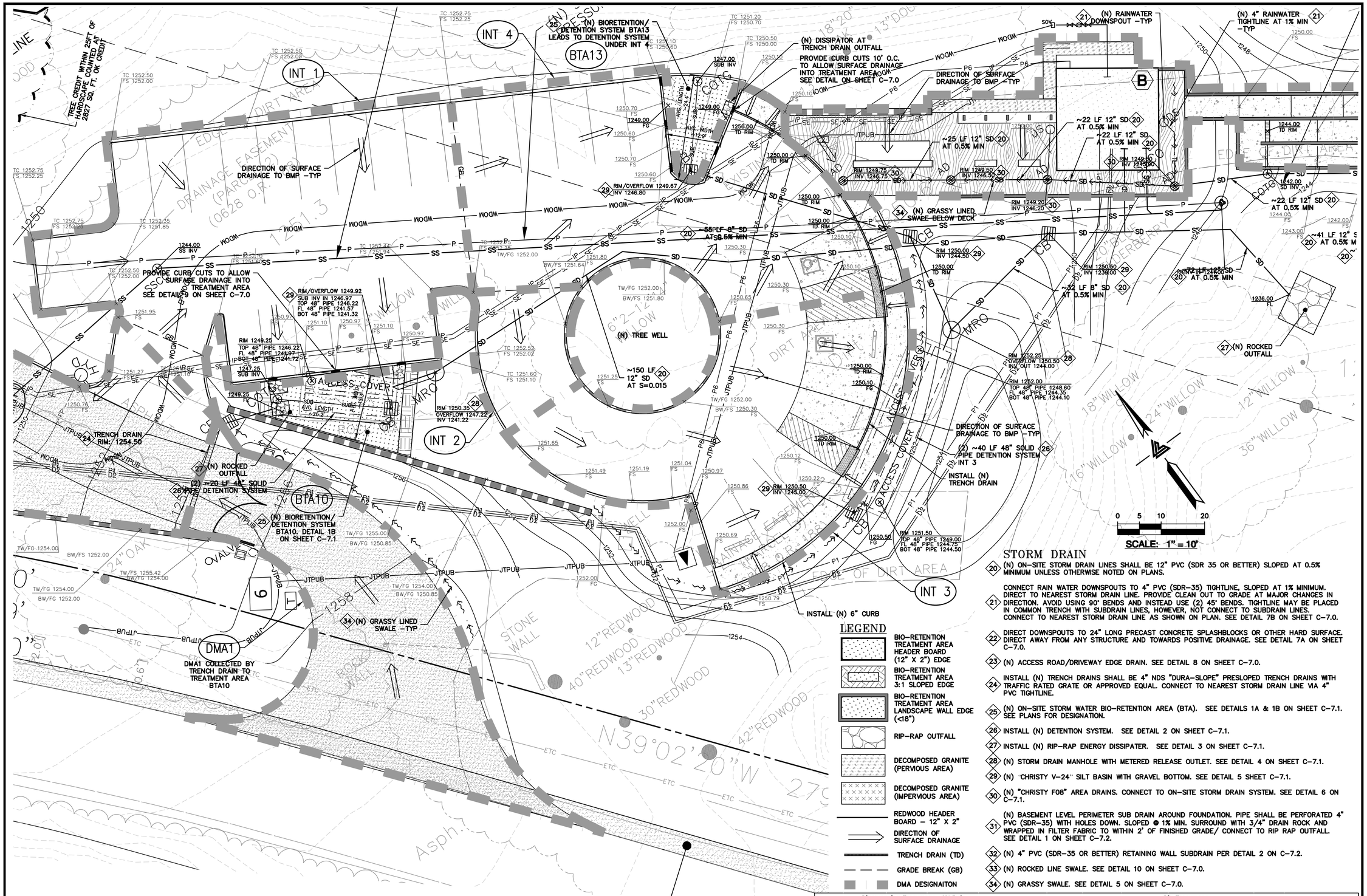

STORM DRAIN

20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.

23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.

24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.

25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.

26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.

27 INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.

28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.

29 (N) 'CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.

30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.

31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.

32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.

34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

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- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
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- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD – 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

Bioretention Treatment - 4% Rule								Bio-Treatment			
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
1	2988	0	*Leads to Storm Water Treatment For Int. 1*								
Int. 1	4653	0	7641	10	305.64	433	102	Graded/Walled	1249.25	1249.92	1246.47
Int. 2	556	0	*Leads to Storm Water Treatment For Int. 4*								
Int. 3	3234	0	*Leads to Storm Water Treatment For Int. 4*								
Int. 4	3754	0	7544	13	301.76	308	102	Walled	1249	1249.67	1246.3
Int. 5	3863	1385	2478	14	99.12	235	237	Walled	1231.58	1232.25	1228.78

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into bioreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

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REGISTERED PROFESSIONAL ENGINEER — JEFFREY CARL LEA — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.1

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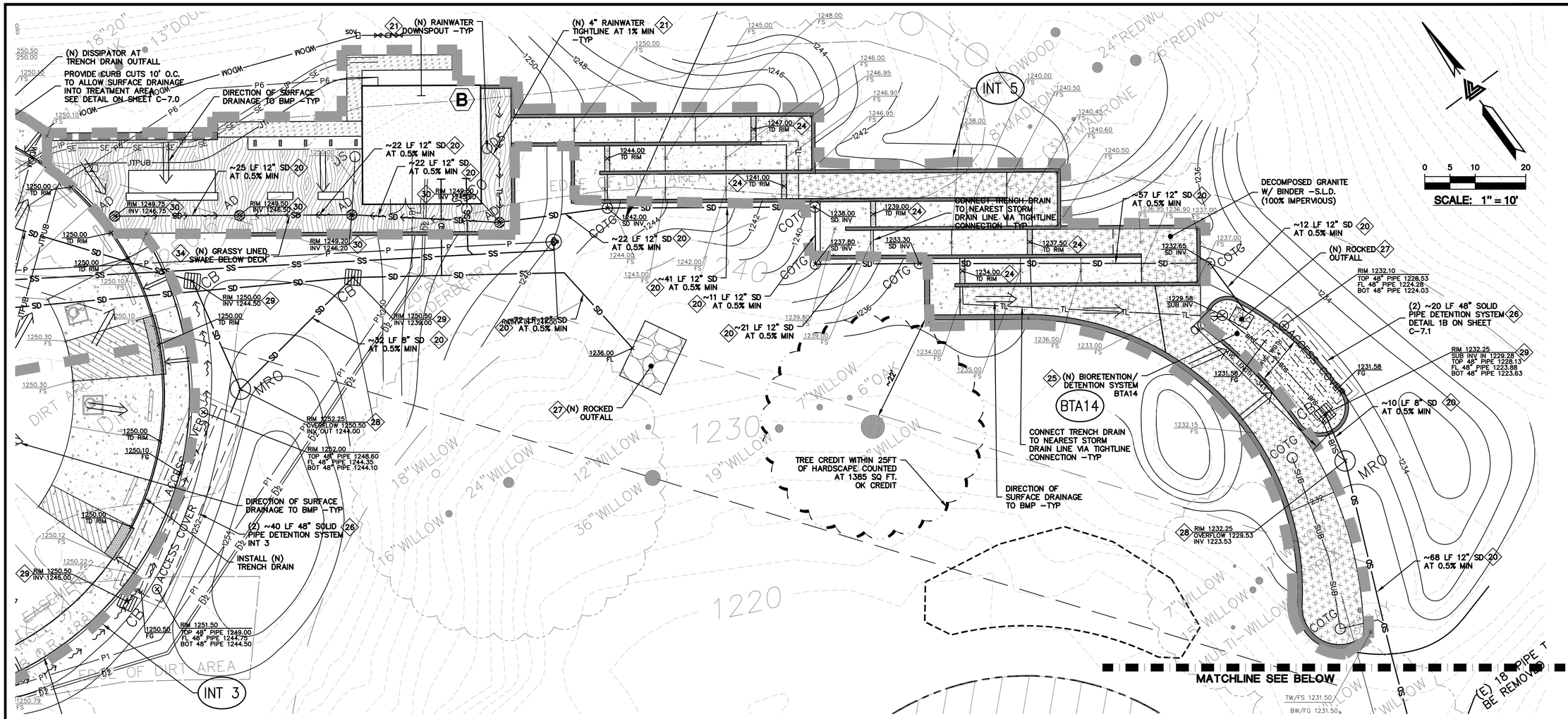
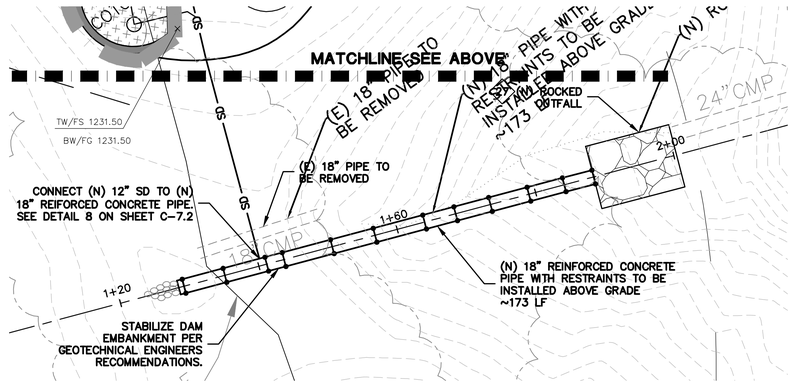
PLN-17-6943





STORM DRAIN

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21. CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
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24. INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
25. (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
26. INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
27. INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
28. (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.
29. (N) "CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.
30. (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
31. (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
32. (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
33. (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
34. (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

Bioretention Treatment - 4% Rule								Bio-Treatment			
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
1	2988	0	*Leads to Storm Water Treatment For Int. 1*								
Int. 1	4653	0	7641	10	305.64	433	102	Graded/Walled	1249.25	1249.92	1246.47
Int. 2	556	0	*Leads to Storm Water Treatment For Int. 4*								
Int. 3	3234	0	*Leads to Storm Water Treatment For Int. 4*								
Int. 4	3754	0	7544	13	301.76	308	102	Walled	1249	1249.67	1246.3
Int. 5	3863	1385	2478	14	99.12	235	237	Walled	1231.58	1232.25	1228.78

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.
[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER CALIFORNIA NO. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
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BAY AREA REGION 2495 INDUSTRIAL PKWY WEST HAYWARD, CA 94545 (P) (510) 887-4086 (F) (510) 887-3019
SACRAMENTO REGION 3017 DOUGLAS BLVD, # 300 ROSEVILLE, CA 95661 (P) (916)966-1338 (F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

	SCALE
	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.2

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	*Not Applicable - Tree Credit*			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

TREE CREDIT WITHIN 25FT OF HARDSCAPE COUNTED AT 1521 SQ. FT. OK CREDIT

(N) ROCKED OUTFALL 27

(N) TRANSITION FROM END OF BRIDGE APPROACH (CONCRETE) TO (N) ROADWAY (ASPHALT)

INSTALL (N) 6" CURB

(N) BIORETENTION/ DETENTION SYSTEM BTA28 25

24 TRENCH DRAIN RIM: 1262.00

~15 LF 8" SD AT ~6.0%

RIM/OVERFLOW 1261.67 SUB INV IN 1258.90

(N) BRIDGE ABUTMENT UNDER SEPARATE PERMIT. SEE SHEET C-5.2 FOR ROADWAY DESIGN

(N) BRIDGE BY OTHERS UNDER SEPARATE PERMIT. SEE SHEET C-5.2 FOR ROADWAY DESIGN

DIRECTION OF SURFACE DRAINAGE TO BMP -TYP

INSTALL (N) 6" CURB, CURB TO EXTEND TO BRIDGE ABUTMENTS

INSTALL (N) 6" CURB

RETAINING WALL SUBDRAIN -TYP 32

TRENCH DRAIN RIM: 1240.31 24

0 5 10 20

SCALE: 1" = 10'

(N) BIORETENTION/ DETENTION SYSTEM BTA29 25

TRENCH DRAIN RIM: 1245.75 24

RIM/OVERFLOW 1243.67 SUB INV IN 1240.80

(N) ROCKED OUTFALL 27

~30 LF 8" SD AT ~9.0%

(N) CURBS PER STRUCTURAL PLANS UNDER SEPARATE PERMIT. SEE STRUCTURAL PLANS BY OPAC ENGINEERING

INSTALL (N) 6" CURB. CURB TO EXTEND TO BRIDGE ABUTMENTS

(N) ROADWAY TRANSITION FROM ASPHALT TO CONCRETE

TREE CREDIT WITHIN 25FT OF HARDSCAPE COUNTED AT 2827 SQ. FT. OK CREDIT

TREE CREDIT WITHIN 25FT OF HARDSCAPE COUNTED AT 1257 SQ. FT. EACH. TOTAL 2514 SQ FT. OK CREDIT

(N) ROCKED OUTFALL 27

~70 LF 8" SD AT ~10.0%

(N) BIORETENTION/ DETENTION SYSTEM BTA3. SEE SHEET C-10.4 FOR DMA TREATMENT DESIGNATION 25

RIM/OVERFLOW 1240.67 SUB INV IN 1237.80

(N) TRENCH DRAIN W/ TRAFFIC RATED GRATE RIM: 1256.00

TRENCH DRAIN RIM: 1254.50

PROVIDE CURB CUTS TO ALLOW SURFACE DRAINAGE TO TREATMENT AREA SEE DETAILS 3 & 4 ON SHEET C-7.1

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

STORM DRAIN

20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.

23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.

24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.

25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.

26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.

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28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.

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30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.

31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.

32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.

34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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SANTA CLARA COUNTY RECORD INFORMATION
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PROJECT NUMBER 16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE 1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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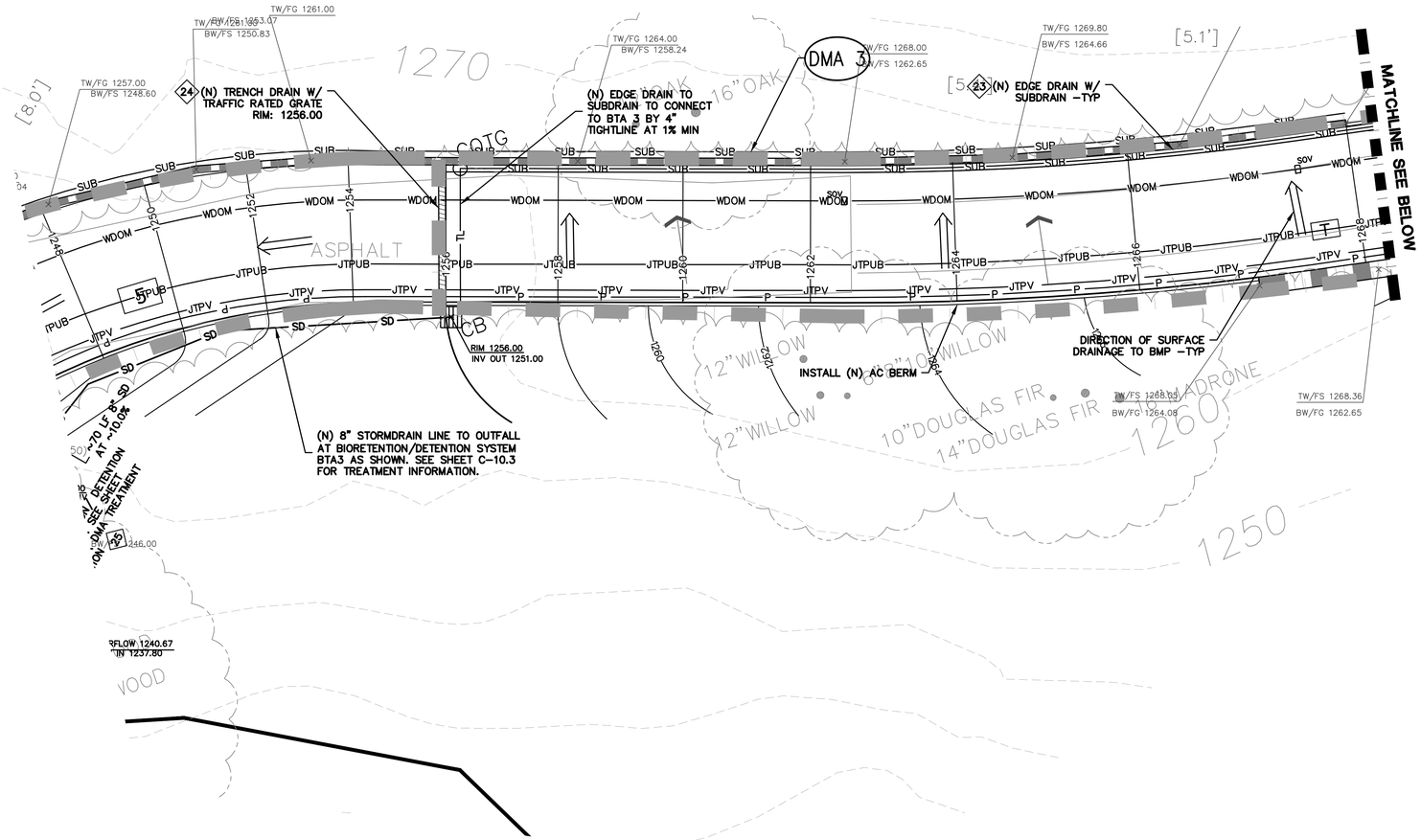

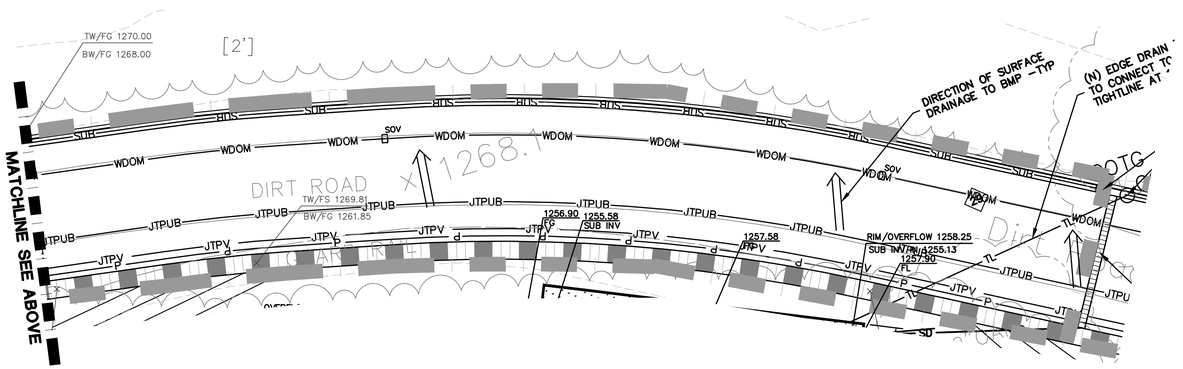

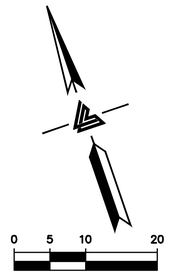

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	*Not Applicable - Tree Credit*			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
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6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
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11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

LEGEND

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79338 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.4

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

STORM DRAIN

20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.

23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.

24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.

25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.

26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.

27 INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.

28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.

29 (N) "CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.

30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.

31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.

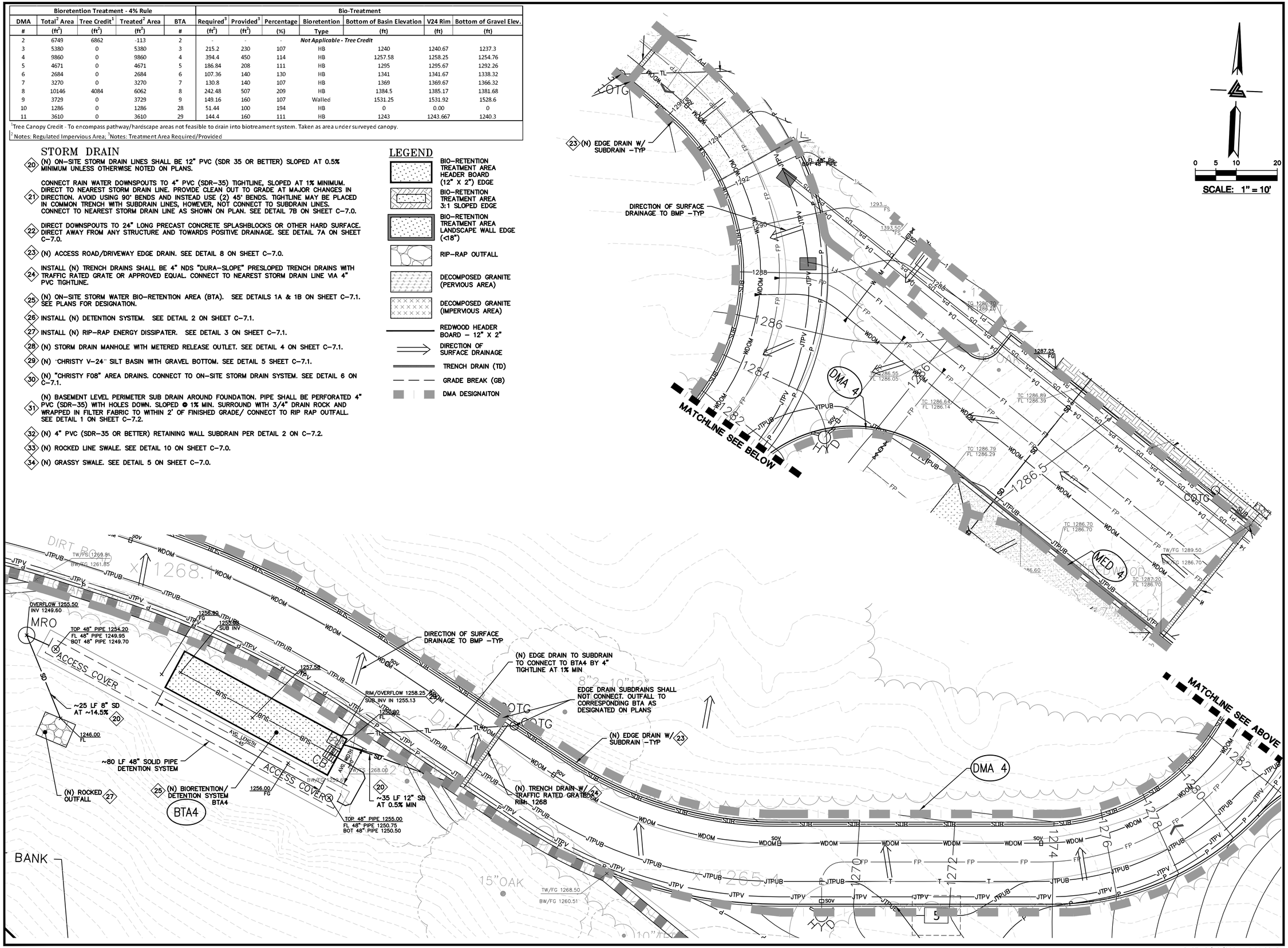
32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.

34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON



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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
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3017 DOUGLAS BLVD, # 300
ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
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01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.5

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

Bioretention Treatment - 4% Rule								Bio-Treatment				
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
Enc. 1	1500	0	1500	20	60	66	110	Graded/HB	1313.75	1314.50	1311.15
Enc. 2	1500	0	1500	21	60	70	117	Graded/HB	1331.75	1332.50	1329.15
Enc. 3	389	0	389	23	15.56	125	803	HB	1355.25	1355.92	1352.55
Enc. 4	705	0	2115	24	84.6	87	103	Walled	1420	1420.67	1417.4
Enc. 5	705	0	*Leads to Storm Water Treatment For Enclosure 4*								
Enc. 6	705	0	*Leads to Storm Water Treatment For Enclosure 4*								
Enc. 7	397	0	397	27	15.88	25	157	Graded/HB	1439.75	1440.50	1437.14

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

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2	6749	6862	-113	2	*Not Applicable - Tree Credit*						
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

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LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
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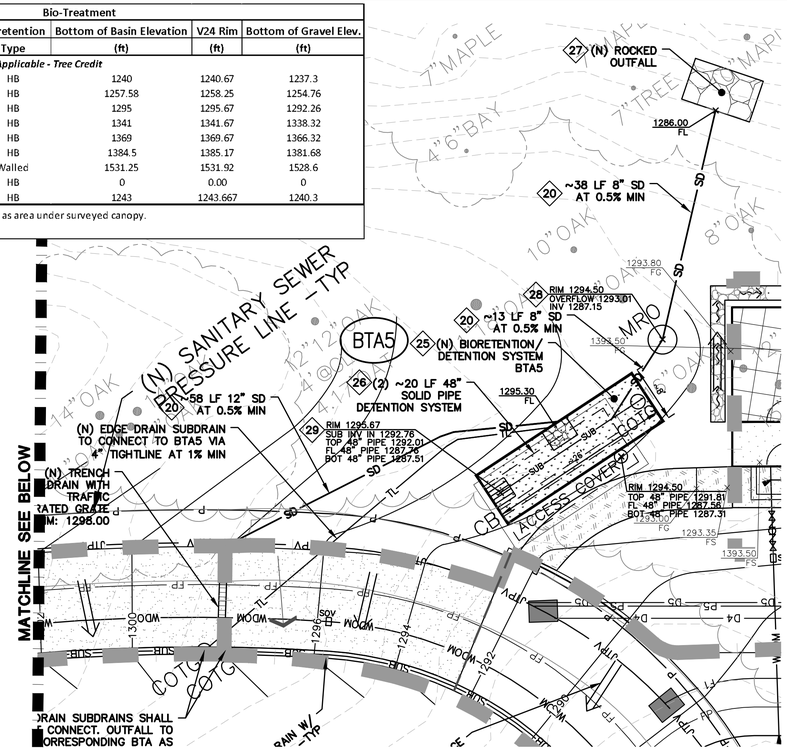
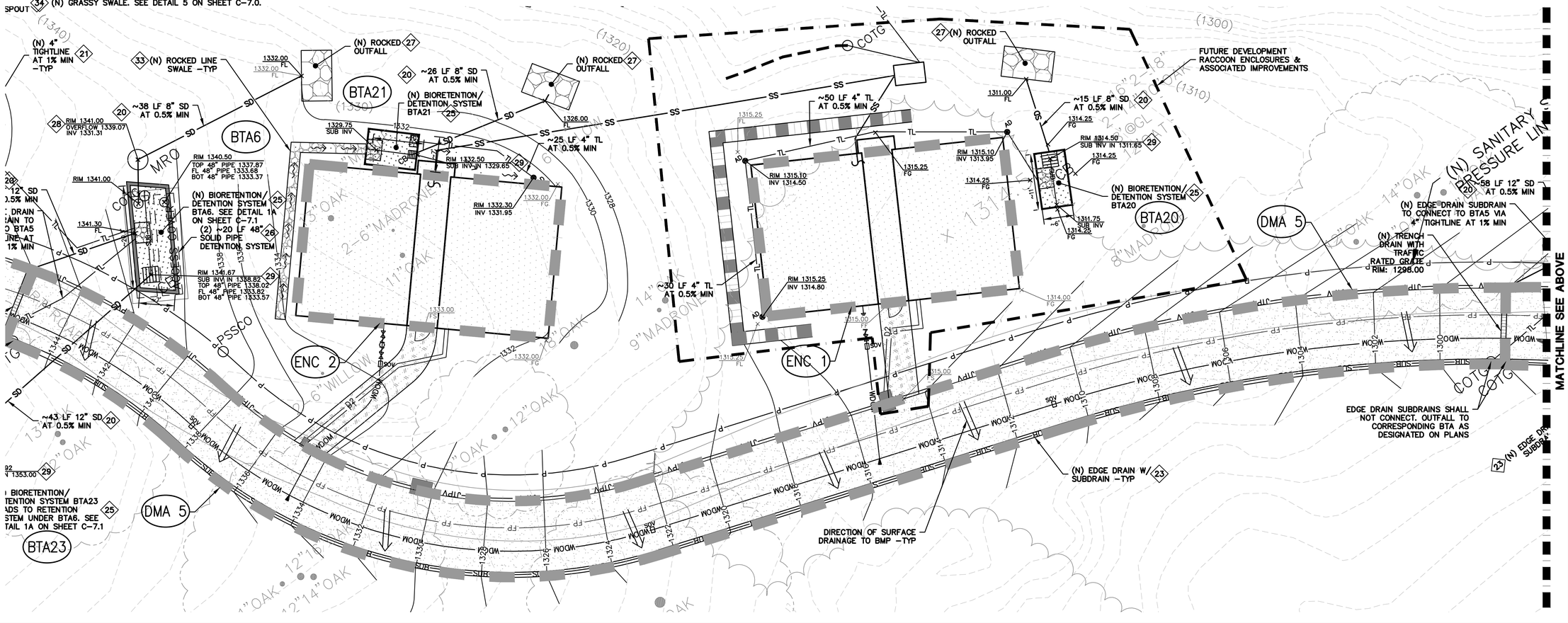
0 5 10 20

SCALE: 1" = 10'





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PROJECT NUMBER 16011.00

SHEET TITLE
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SCALE 1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.6

ASA/USE PERMIT MODIFICATION #3 PLN-17-6943

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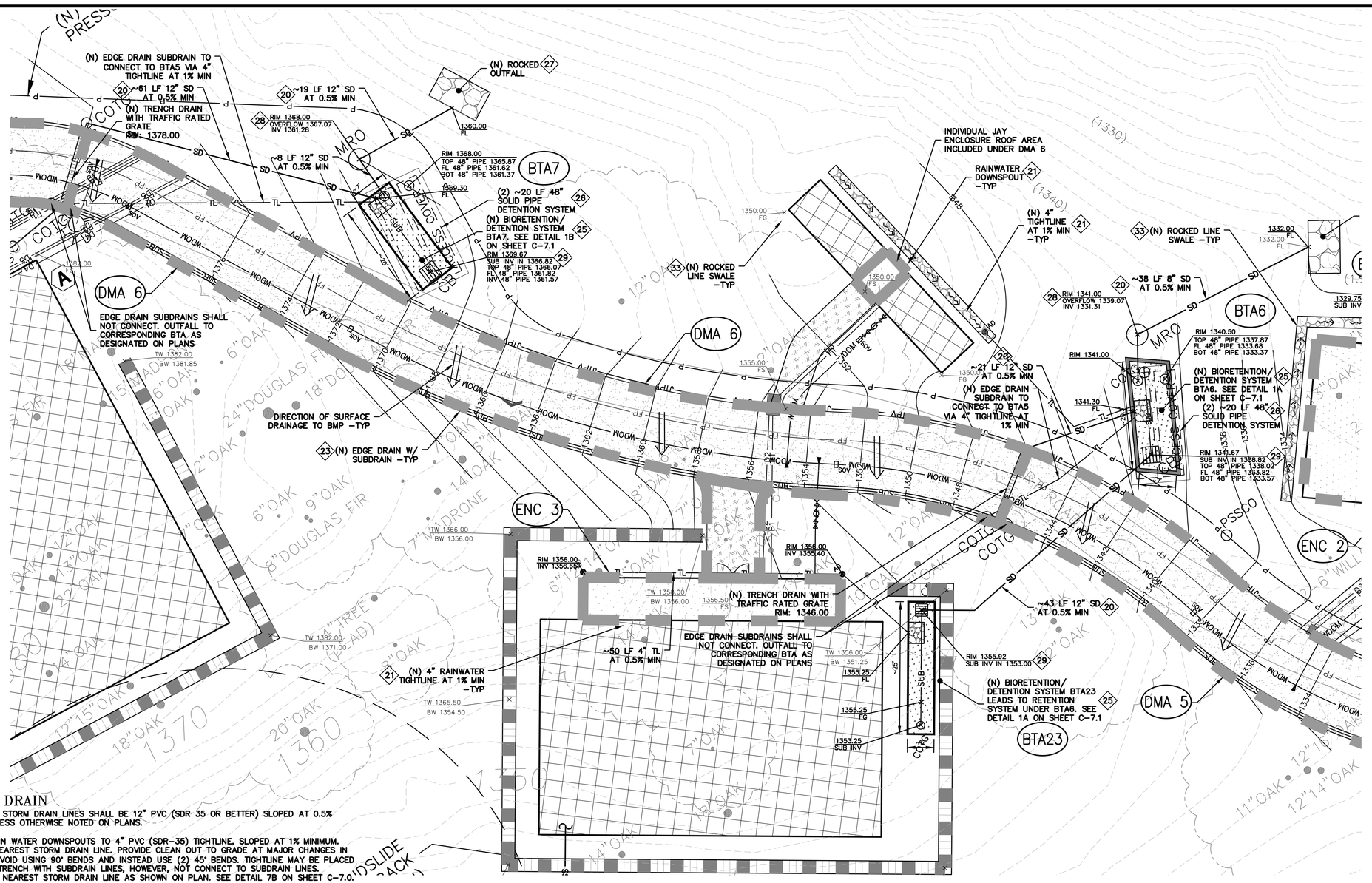

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#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	*Not Applicable - Tree Credit*			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
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10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

Bioretention Treatment - 4% Rule					Bio-Treatment						
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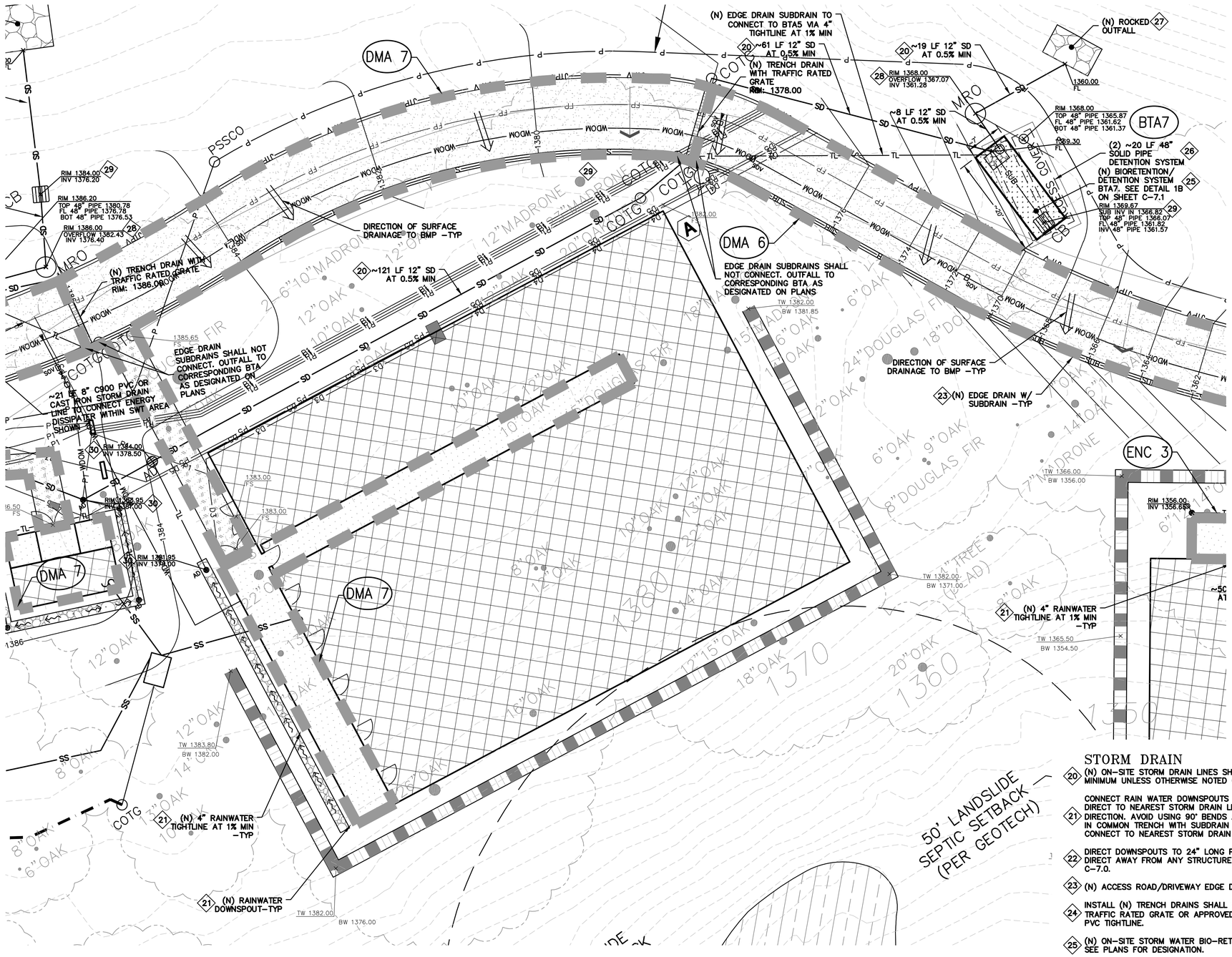

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6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
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8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD – 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

STORM DRAIN

20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.

23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.

24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.

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26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.

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30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.

31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.

32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.

34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER CARLO NICOLETTI NO. C79535 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ROSEVILLE, CA 95661
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WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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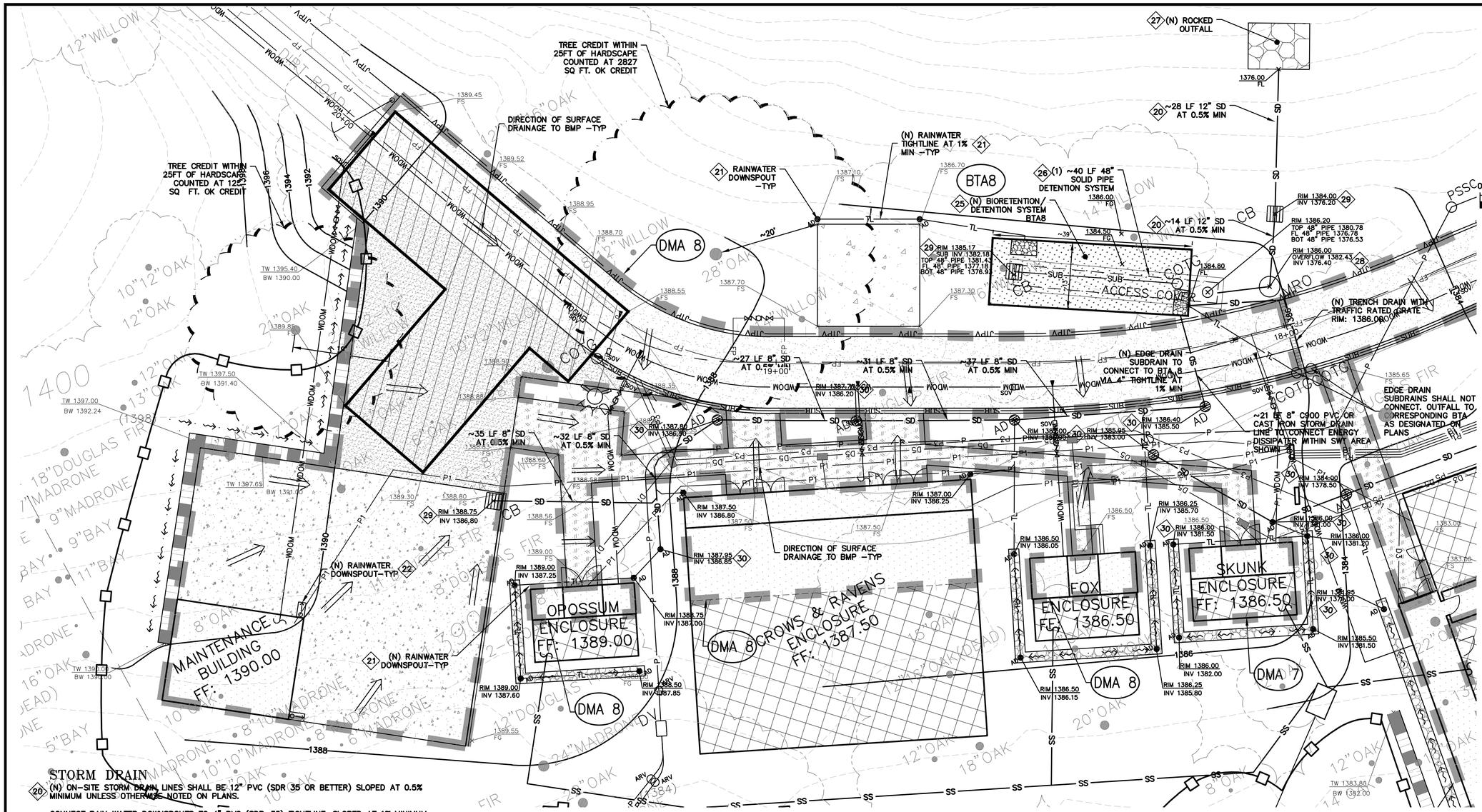

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- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	*Not Applicable - Tree Credit*			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.
[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLTON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.9

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft²)	(ft²)	(ft²)	#	(ft²)	(ft²)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	*Not Applicable - Tree Credit*			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
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[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft²)	(ft²)	(ft²)	#	(ft²)	(ft²)	(%)	Type	(ft)	(ft)	(ft)
Enc. 1	1500	0	1500	20	60	66	110	Graded/HB	1313.75	1314.50	1311.15
Enc. 2	1500	0	1500	21	60	70	117	Graded/HB	1331.75	1332.50	1329.15
Enc. 3	389	0	389	23	15.56	125	803	HB	1355.25	1355.92	1352.55
Enc. 4	705	0	2115	24	84.6	87	103	Walled	1420	1420.67	1417.4
Enc. 5	705	0	*Leads to Storm Water Treatment For Enclosure 4*								
Enc. 6	705	0	*Leads to Storm Water Treatment For Enclosure 4*								
Enc. 7	397	0	397	27	15.88	25	157	Graded/HB	1439.75	1440.50	1437.14

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.

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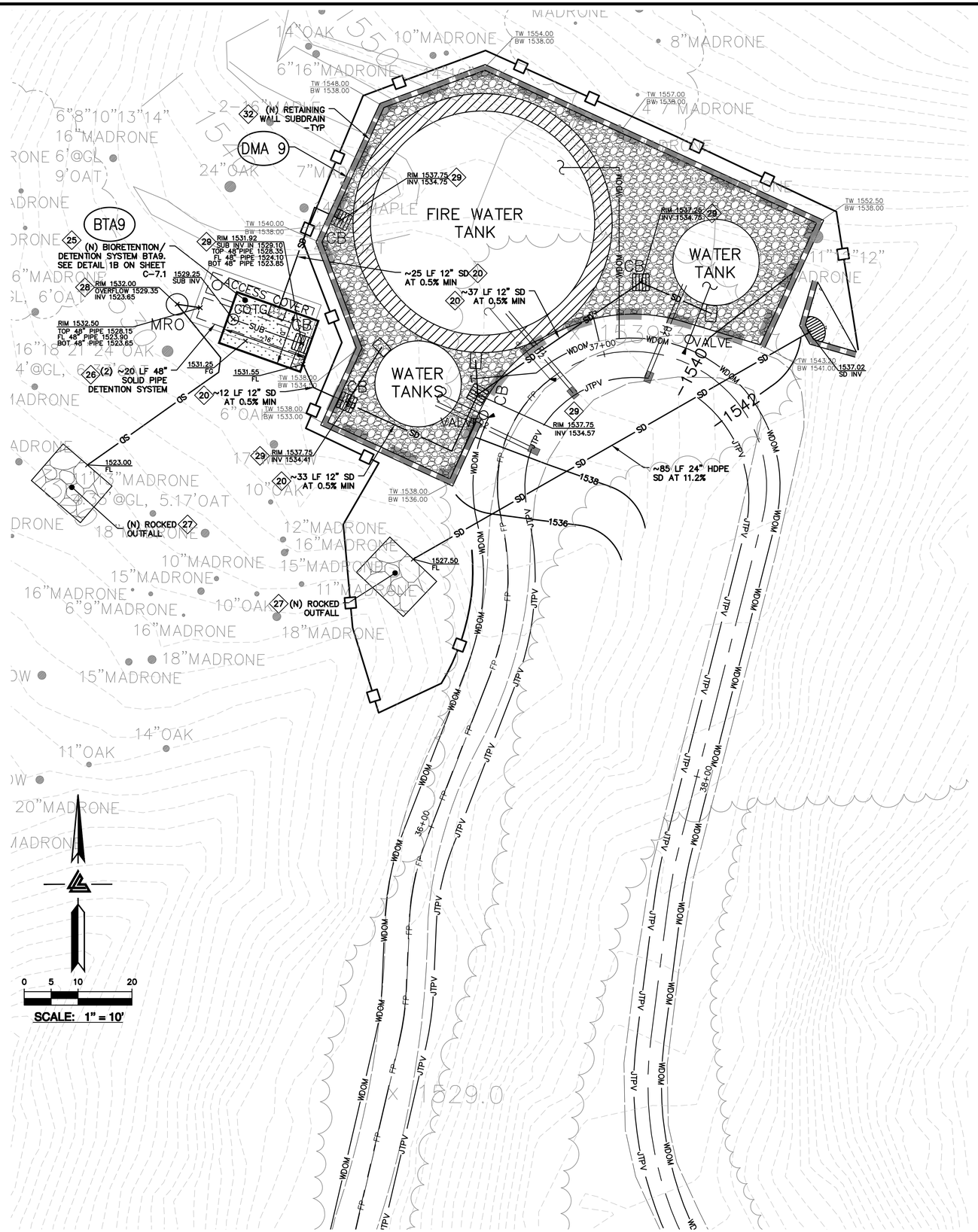

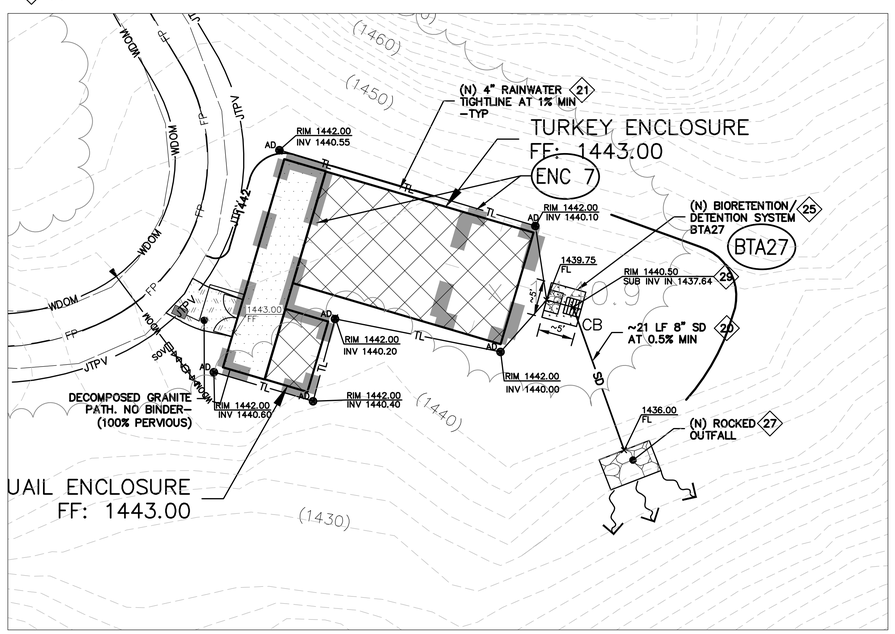

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1" = 10'

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Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.10

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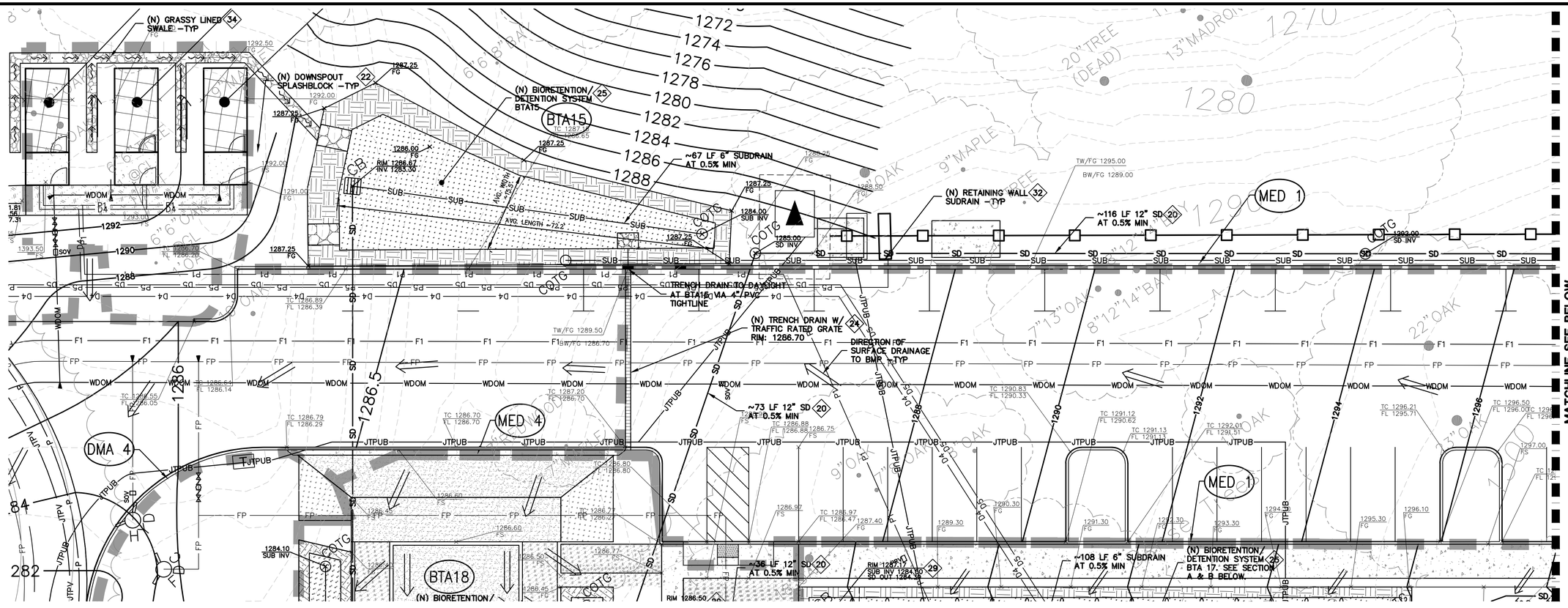

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29. (N) "CHRISTY V–24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C–7.1.
30. (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON–SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C–7.1.
31. (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR–35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C–7.2.
32. (N) 4" PVC (SDR–35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C–7.2.
33. (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C–7.0.
34. (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C–7.0.

LEGEND

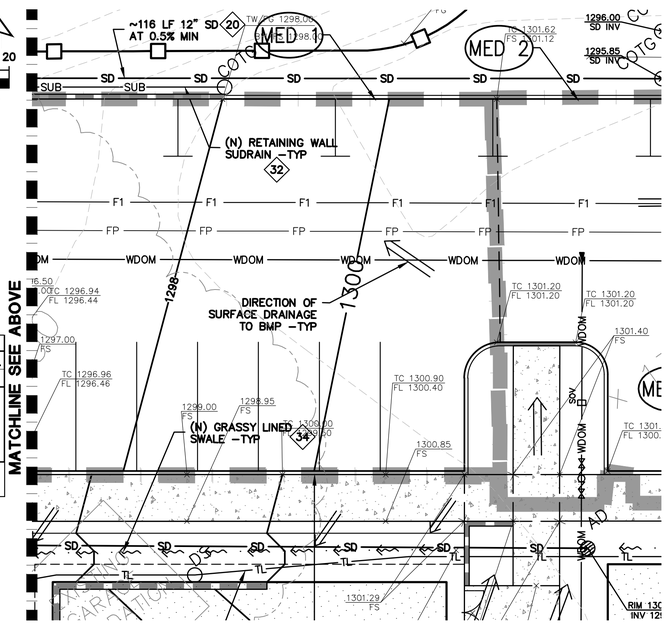
- BIO–RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO–RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO–RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP–RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD – 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

0 5 10 20

SCALE: 1" = 10'

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286	1286.67	1282.82
Med. 2	12350	568	11782	16	471.28	584	124	Graded	1300	1300.67	1297.14
Med. 3	24175	0	24175	17	967	1048	108	HB	1286.6	1287.27	1284
Med. 4	5048	0	5048	18	201.92	1479	732	Graded	1285.5	1286.17	1282.5
Med. 5	5930	2827	3103	19	124.12	269	217	Walled	1291	1291.67	1288.08

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreament system. Taken as area under surveyed canopy.
[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided



ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER CARLO NC C79935 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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3017 DOUGLAS BLVD, # 300
ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09–06–18	GRADING PERMIT PLAN CHECK 4
12–21–18	PERMIT RESUBMITTAL
03–26–19	PERMIT MODIFICATION PLAN CHECK 1
04–11–19	ASA DELTA 2
04–22–19	BID SET
05–10–19	BID SET ADDENDUM 1
05–22–19	UTILITY PLAN CHECK 1
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01–28–20	PERMIT MODIFICATION 2
05–29–20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07–22–20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.11

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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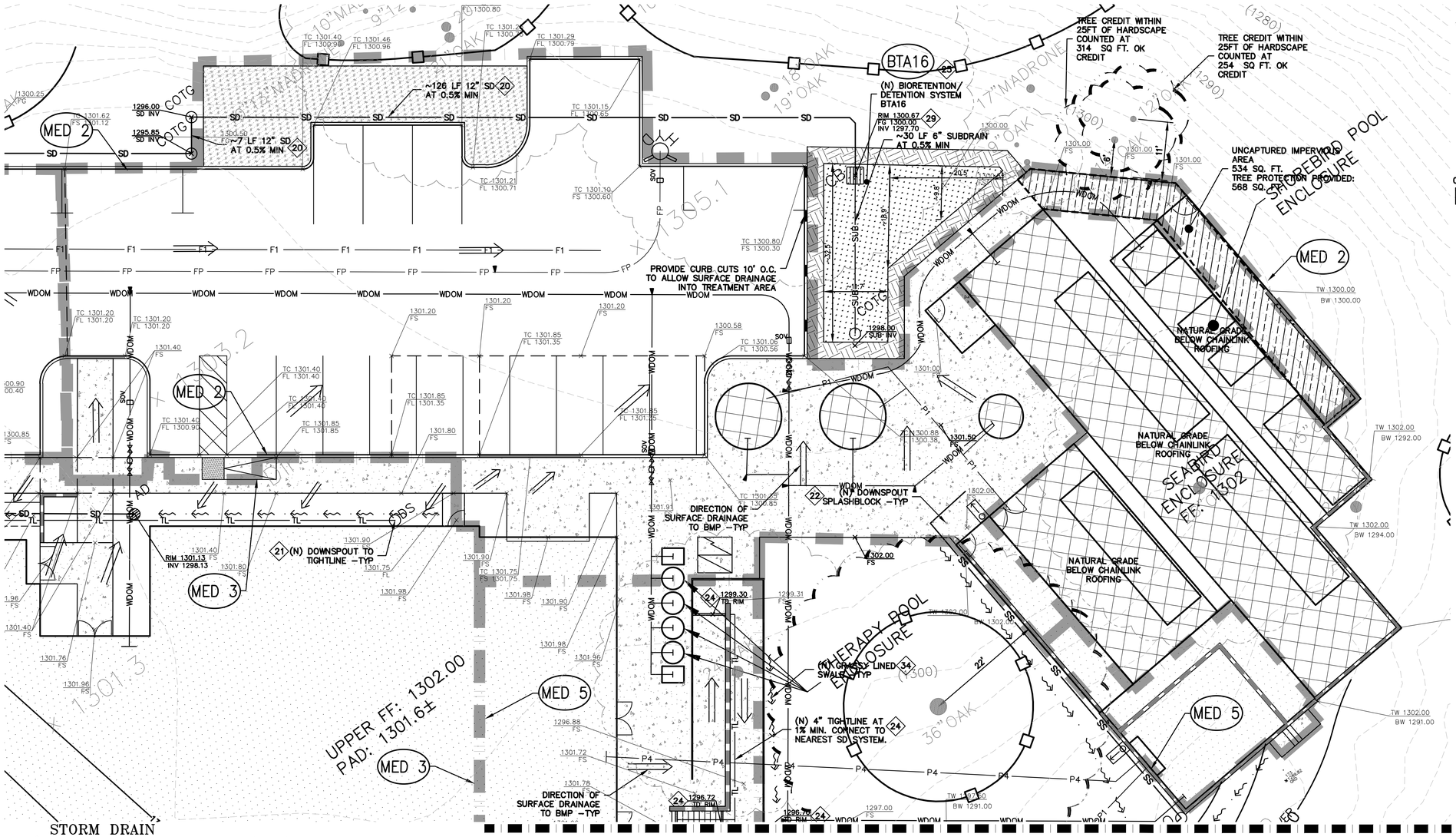

MATCHLINE SEE SHEET C-10.15

STORM DRAIN

20. (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
21. CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
22. DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.
23. (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
24. INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
25. (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
26. INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
27. INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
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- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA #	Total[2] Area (ft²)	Tree Credit[1] (ft²)	Treated[2] Area (ft²)	BTA #	Required[3] (ft²)	Provided[3] (ft²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)	V24 Rim (ft)	Bottom of Gravel Elev. (ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286	1286.67	1282.82
Med. 2	12350	568	11782	16	471.28	584	124	Graded	1300	1300.67	1297.14
Med. 3	24175	0	24175	17	967	1048	108	HB	1286.6	1287.27	1284
Med. 4	5048	0	5048	18	201.92	1479	732	Graded	1285.5	1286.17	1282.5
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[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JEFFREY CARL LEA — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

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SANTA CLARA COUNTY RECORD INFORMATION
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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

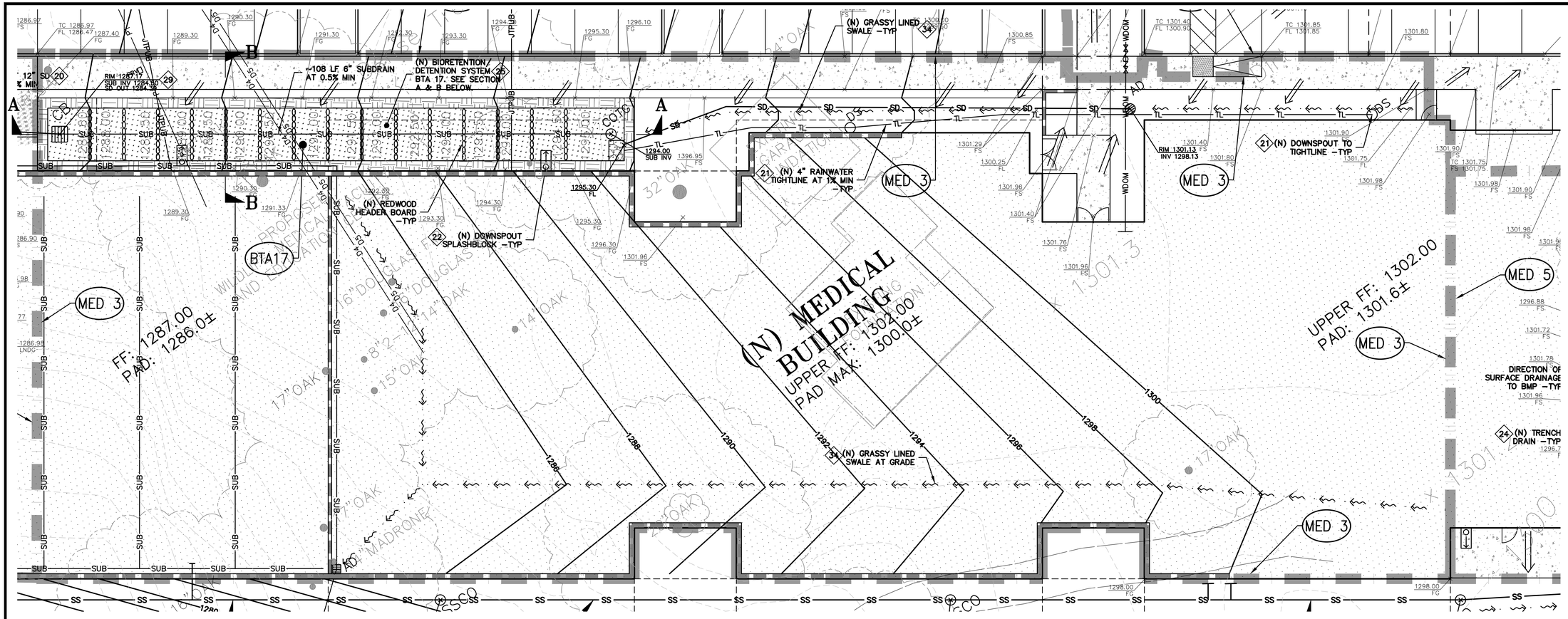
PROJECT NUMBER
16011.00

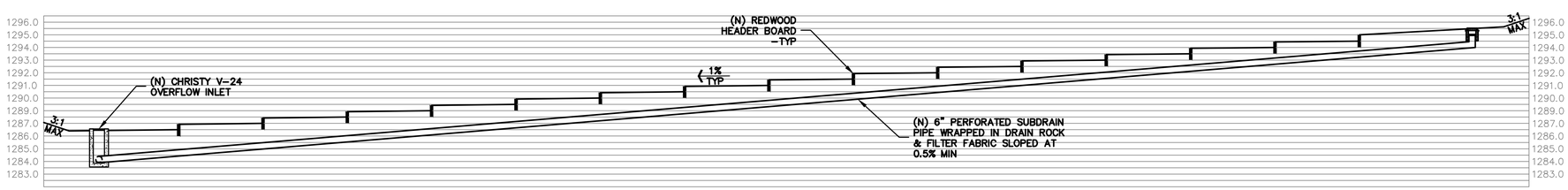
SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.12

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943





SECTION A

SCALE: 1" = 5' HORIZ & VERT

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286	1286.67	1282.82
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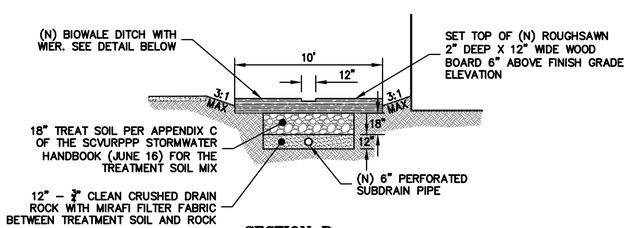
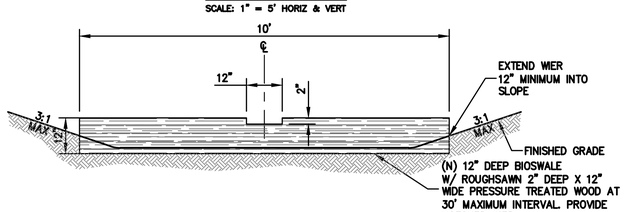


SECTION B

SCALE: 1" = 5' HORIZ & VERT



BIOSWALE DITCH WITH WIER

NTS

STORM DRAIN

20 (N) ON–SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR–35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C–7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C–7.0.

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0 5 10 20

SCALE: 1" = 10'

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SHEET TITLE
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SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.13

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PLN-17-6943

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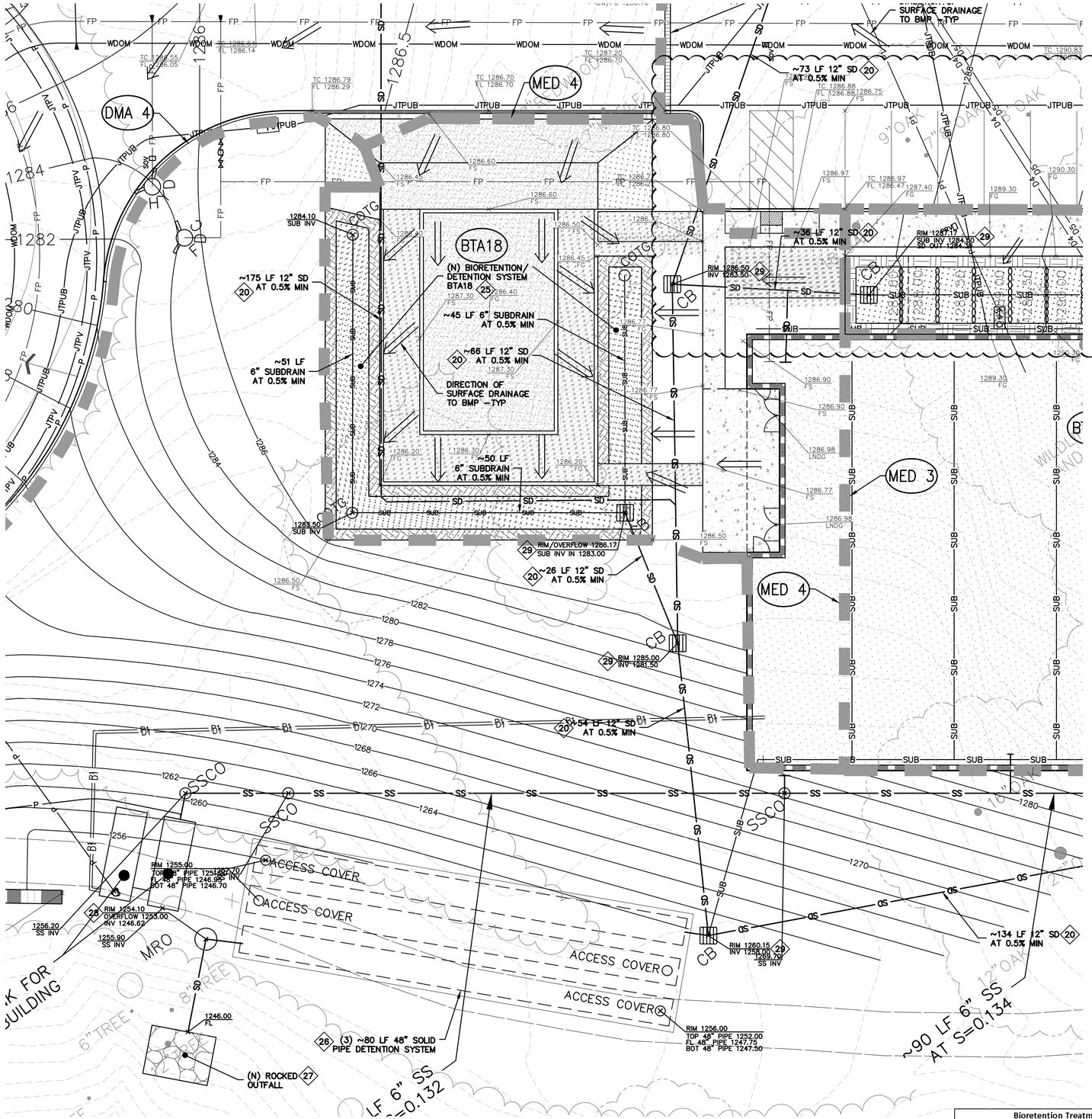

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DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft^2)	(ft^2)	(ft^2)	#	(ft^2)	(ft^2)	(%)	Type	(ft)	(ft)	(ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286	1286.67	1282.82
Med. 2	12350	568	11782	16	471.28	584	124	Graded	1300	1300.67	1297.14
Med. 3	24175	0	24175	17	967	1048	108	HB	1286.6	1287.27	1284
Med. 4	5048	0	5048	18	201.92	1479	732	Graded	1285.5	1286.17	1282.5
Med. 5	5930	2827	3103	19	124.12	269	217	Walled	1291	1291.67	1288.08

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[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS - LAND SURVEYORS
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SACRAMENTO REGION 3017 DOUGLAS BLVD., # 300 ROSEVILLE, CA 95661 (P) (916)966-1338 (F) (916)797-7363
WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.14

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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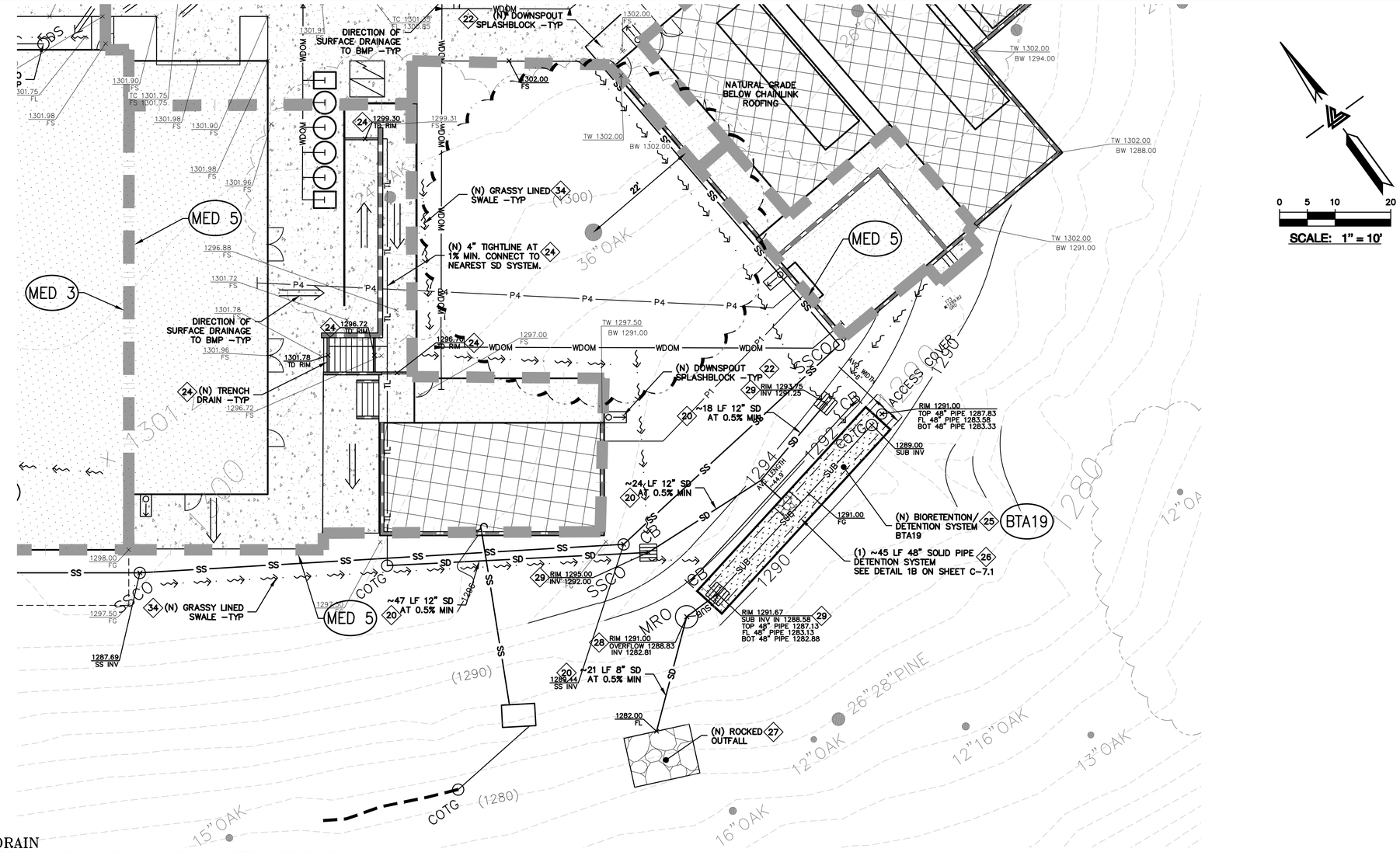

STORM DRAIN

20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.

23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.

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25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.

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32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.

34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA #	Total[2] Area (ft²)	Tree Credit[1] (ft²)	Treated[2] Area (ft²)	BTA #	Required[3] (ft²)	Provided[3] (ft²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)	V24 Rim (ft)	Bottom of Gravel Elev. (ft)
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER JEFFREY CARLTON LEA No. C79333 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.15

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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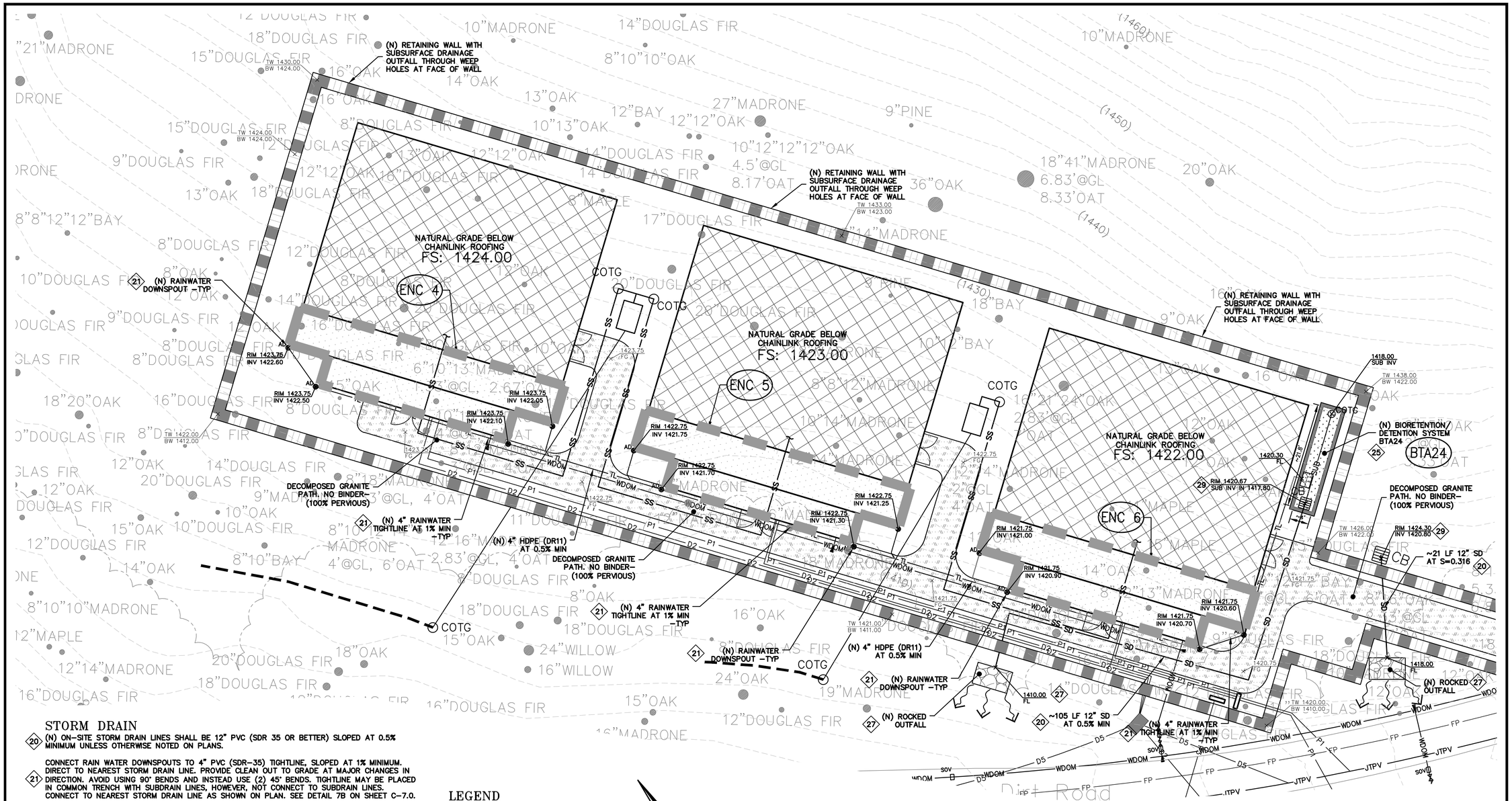

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- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNAITON

0 5 10 20

SCALE: 1" = 10'

Bioretention Treatment - 4% Rule								Bio-Treatment			
DMA	Total[2] Area	Tree Credit[1]	Treated[2] Area	BTA	Required[3]	Provided[3]	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft²)	(ft²)	(ft²)	#	(ft²)	(ft²)	(%)	Type	(ft)	(ft)	(ft)
Enc. 1	1500	0	1500	20	60	66	110	Graded/HB	1313.75	1314.50	1311.15
Enc. 2	1500	0	1500	21	60	70	117	Graded/HB	1331.75	1332.50	1329.15
Enc. 3	389	0	389	23	15.56	125	803	HB	1355.25	1355.92	1352.55
Enc. 4	705	0	2115	24	84.6	87	103	Walled	1420	1420.67	1417.4
Enc. 5	705	0	*Leads to Storm Water Treatment For Enclosure 4*								
Enc. 6	705	0	*Leads to Storm Water Treatment For Enclosure 4*								
Enc. 7	397	0	397	27	15.88	25	157	Graded/HB	1439.75	1440.50	1437.14

[1]Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into bioteream system. Taken as area under surveyed canopy.
[2] Notes: Regulated Impervious Area; [3]Notes: Treatment Area Required/Provided

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE 1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.16

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Heavy Equipment Operation



Best Management Practices for the

Vehicle and equipment operators
Site supervisors
General contractors
Home builders
Developers

What Can You Do?

Site Planning and Preventive Vehicle Maintenance

- ❏ Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance.
- ❏ Maintain all vehicles and heavy equipment. Inspect frequently for leaks.
- ❏ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❏ If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and recycle whenever possible.
- ❏ Do not use diesel oil to lubricate equipment or parts.

Storm Drain Pollution from Heavy Equipment on the Construction Site

Poorly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze or other fluids on the construction site are common sources of storm water pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

Clean up spills immediately when they happen.

- ❏ Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible. If you must use water, use just enough to keep the dust down.
- ❏ Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them. Use as little water as possible for dust control.
- ❏ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❏ Report significant spills to the appropriate spill response agencies immediately. (See reverse.)

Roadwork and Paving



Best Management Practices for the

Road crews
Driveway/sidewalk/parking lot construction crews
Seal coat contractors
Operators of
grading equipment
paving machines
dump trucks
concrete mixers
Construction inspectors
General contractors
Developers

Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for storm drain contamination by asphalt, saw-cut slurry, or excavated material. Extra planning is required to store and dispose of materials properly and guard against pollution of the storm drains and creeks.

What Can You Do?

General Business Practices

- ❏ Develop and implement erosion/sediment control plans for embankments.
- ❏ Schedule excavation and grading work for dry weather.
- ❏ Check for and repair leaking equipment.
- ❏ Perform major equipment repairs in designated areas at your yard, away from the construction site.
- ❏ When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- ❏ Do not use diesel oil to lubricate equipment or parts.
- ❏ Recycle used oil, concrete, broken asphalt, etc. whenever possible.

During Construction

- ❏ Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- ❏ Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, etc.
- ❏ Use check dams, ditches, or berms to divert runoff around excavations.
- ❏ Never wash excess material from exposed aggregate concrete or similar treatments into a street or storm drain. Collect and recycle; or dispose to dirt area.
- ❏ Cover stockpiles (asphalt, sand, etc.) and other materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- ❏ Catch drips from paver with drip pans or absorbent material (cloth, rags, etc.) placed under machine when not in use.
- ❏ Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags), or dig up and remove contaminated soil.
- ❏ Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- ❏ Avoid over-application by water trucks for dust control.

Asphalt/Concrete Removal

- ❏ Avoid creating excess dust when breaking asphalt or concrete.
- ❏ After breaking old pavement, be sure to remove all chunks and pieces.
- ❏ Make sure broken pavement does not come in contact with rainfall or runoff.
- ❏ Shovel or vacuum saw-cut slurry and remove from the site. Cover or barricade storm drain during saw-cutting if necessary.
- ❏ Never hose down streets to clean up tracked dirt.

Fresh Concrete and Mortar Application



Best Management Practices for the

Masons and bricklayers
Sidewalk construction crews
Patio construction workers
Construction inspectors
General contractors
Home builders
Developers

What Can You Do?

General Business Practices

- ❏ Both at your yard and the construction site, always store both dry and wet materials under cover, protected from rainfall and runoff. Protect dry materials from wind.
- ❏ Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from gutters, storm drains, rainfall, and runoff.
- ❏ Wash out concrete mixers only in designated wash-out areas in your yard, where the water will flow into containment ponds or onto dirt. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

Storm Drain Pollution from Masonry and Paving

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks causes serious problems — and is prohibited by law.

During Construction

- ❏ Don't mix up more fresh concrete or cement than you will use in a day.
- ❏ Set up and operate small mixers on tarps or heavy plastic drop cloths.
- ❏ When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- ❏ Place hay bales or other erosion controls down-slope to capture runoff carrying mortar or cement before it reaches the storm drain.
- ❏ When breaking up paving, be sure to pick up all the pieces and dispose properly.
- ❏ Recycle large chunks of broken concrete at a landfill.
- ❏ Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- ❏ Never bury waste material.

Storm Drain Pollution Prevention: It's Up to Us

In the Santa Clara Valley, storm drains flow directly to local creeks and San Francisco Bay, with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley cities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm drain pollution. We hope you will join us, by using the practices described in this sheet.

Spill Response Agencies

1. DIAL 911
2. Santa Clara Valley Water District Environmental Compliance Division (408) 927-0710.
3. Governor's Office of Emergency Services Warning Center (800) 852-7550 (24 hours).

Local Pollution Control Agencies

Santa Clara County Office of Toxics and Solid Waste Management
(408) 441-1195

Santa Clara Valley Water District
(408) 927-0710

Palo Alto Regional Water Quality Control Plant
(650) 329-2598
Serving East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford

City of Los Altos

Building Department
(650) 948-0226

Engineering Department
(650) 948-1491

Landscaping, Gardening, and Pool Maintenance



Best Management Practices for the

Landscapers
Gardeners
Swimming pool/spa service and repair workers
General contractors
Home builders
Developers

What Can You Do?

General Business Practices

- ❏ Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- ❏ Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- ❏ Schedule grading and excavation projects for dry weather.
- ❏ Use temporary check dams or ditches to divert runoff away from storm drains.
- ❏ Protect storm drains with hay bales or other erosion controls.
- ❏ Revegetation is an excellent form of erosion control for any site.

Storm Drain Pollution from Landscaping and Swimming Pool Maintenance

Many landscaping activities expose soils and increase the likelihood that earth and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Pool/Fountain/Spa Maintenance

- ❏ Never discharge pool or spa water to a street or storm drain.
- ❏ When emptying a pool or spa, let chlorine dissipate for a few days, and then recycle/reuse water by draining it gradually onto a landscaped area.

OR,

- ❏ Contact the local sewage treatment authority. You may be able to discharge to the sanitary sewer by running a hose to a utility sink or sewer pipe cleanout junction.
- ❏ Do not use copper-based algaecides unless absolutely necessary. Control algae with chlorine or other alternatives to copper-based pool chemicals. Copper is a powerful herbicide. Sewage treatment technology cannot remove all of the metals that enter a treatment plant.

Landscaping/Garden Maintenance

- ❏ Use up pesticides. Rinse containers, and use rinsewater as product. Dispose of rinsed containers in the trash.
- ❏ Dispose of unused pesticide as hazardous waste.
- ❏ Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- ❏ In communities with curbside yard waste recycling, leave clippings and pruning waste for pickup in approved bags or containers. Or, take to a landfill that composts yard waste.
- ❏ Do not place yard waste in gutters.
- ❏ Do not blow or rake leaves, etc. into the street.

Painting and Application of Solvents and Adhesives



Best Management Practices for the

Painters
Paperhangers
Plasterers
Graphic artists
Dry wall crews
Floor covering installers
General contractors
Home builders
Developers

What Can You Do?

Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes. When they are thoroughly dry, empty paint cans, spent brushes, rags, and drop cloths may be disposed of as trash.

Storm drain pollution from paints, solvents, and adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to the wildlife in our creeks and Bay. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. It is especially important not to clean brushes in an area where paint residue can flow to a gutter, street, or storm drain.

Paint Removal

- ❏ Chemical paint stripping residue is a hazardous waste.
- ❏ Chips and dust from marine paints or paints containing lead or tributyl tin are hazardous wastes. Dry sweep and dispose of appropriately.
- ❏ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up and disposed as trash.
- ❏ When stripping or cleaning building exteriors with high-pressure water, block storm drains. Wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer.

Painting Cleanup

- ❏ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❏ For water-based paints, paint out brushes to the extent possible, and rinse to the sanitary sewer.
- ❏ For oil-based paints, paint out brushes to the extent possible, filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.

Recycle/reuse leftover paints whenever possible.

- ❏ Recycle excess water-based paint, or use up. Dispose of excess liquid, including sludges, as hazardous waste.
- ❏ Reuse leftover oil-based paint. Dispose of excess liquid, including sludges, as hazardous waste.

Los Altos Municipal Code Requirements

Los Altos Municipal Code Section 5-5.639 Storm Drains; threatened discharges

a) Unlawful Discharges. It shall be unlawful to discharge any domestic waste or industrial waste into storm drains, gutters, creeks, or San Francisco Bay. Unlawful discharges to storm drains shall include, but not be limited to, discharges from toilets; sinks; industrial processes; cooling systems; boilers; fabric cleaning; equipment cleaning; vehicle cleaning; construction activities, including, but not limited to, painting, paving, concrete placement, sawcutting and grading; swimming pools; spas; and fountains, unless specifically permitted by a discharge permit or unless exempted pursuant to guidelines published by the superintendent.

b) Threatened Discharges. It shall be unlawful to cause hazardous materials, domestic waste, or industrial waste to be deposited in such a manner or location as to constitute a threatened discharge into storm drains, gutters, creeks or San Francisco Bay. A "threatened discharge" is a condition creating a substantial probability of harm, when the probability and potential extent of harm make it reasonably necessary to take immediate action to prevent, reduce or mitigate damages to persons, property or natural resources. Domestic or industrial wastes that are no longer contained in a pipe, tank or other container are considered to be threatened discharges unless they are actively being cleaned up.

Los Altos Municipal Code Section 5-5.643 Requirements for construction operations.

a) A spill response plan for hazardous waste, hazardous materials and uncontained construction materials shall be prepared and available at the construction sites for all projects where the proposed construction site is equal to or greater than five acres of disturbed soil and for any other projects for which the city engineer determines is necessary to protect surface waters. Preparation of the plan shall be in accordance with guidelines published by the city engineer.

b) A storm water pollution prevention plan shall be prepared and available at the construction sites for all projects greater than five acres of disturbed soil and for any other projects for which the city engineer determines that a storm water management plan is necessary to protect surface waters. Preparation of the plan shall be in accordance with guidelines published by the city engineer.

c) Prior approval shall be obtained form the city engineer or designee to discharge water pumped form construction sites to the storm drain. The city engineer or designee may require gravity settling and filtration upon a determination that either or both would improve the water quality of the discharge. Contaminated ground water or water that exceeds state or federal requirements for discharge to navigable waters may not be discharged to the storm drain. Such water may be discharged to the sewer, provided that the requirements of Section 5-5.624 are met and the approval of the superintendent is obtained prior to discharge.

d) No cleanup of construction debris from the streets shall result in the discharge of water to the storm drain system; nor shall any construction debris be deposited or allowed to be deposited in the storm drain system.

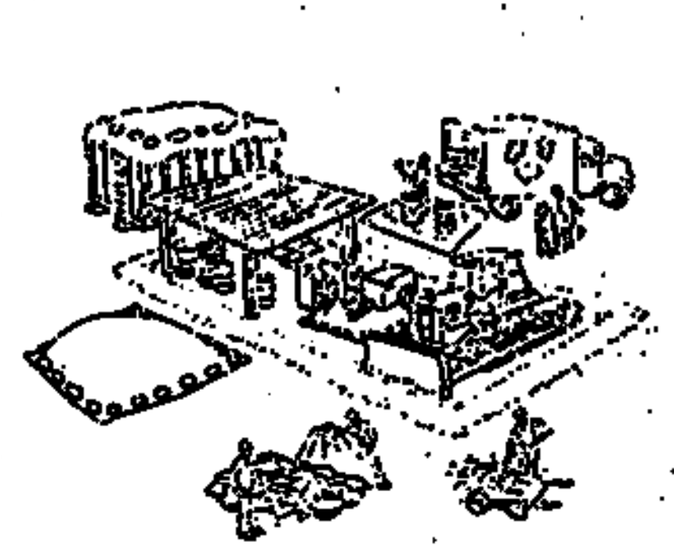
Los Altos Municipal Code Section 5-5.645 Enforcement; criminal penalties.

As provided in Chapter 1-2 of this code, violations of the provisions of this title shall be subject to criminal penalties. the following designated employee positions may enforce the provisions of this title by the issuance of citations: Persons employed in such positions are authorized to exercise the authority provided in Penal Code Section 836.5 and are authorized to issue citations for violations of this chapter. The designated employee positions are: Peace officers, community service officers, Chief Building Official, Director of Public Works, associate engineer, industrial waste inspector, industrial waste investigator, environmental control programs, supervisor, industrial waste; and manager, environmental compliance division.

Los Altos Municipal Code Section 5-5.646 Enforcement; judicial civil penalties.

Any person who intentionally or negligently violates any provision of this title or any provision of any permit issued pursuant to this title shall be cicilly liable to the City in a sum of not to exceed twenty-five thousand dollars ($25,000) per day for each day in which such violation occurs. The City may petition the Superior Court pursuant to Government Code Scetion 54740 to impose, assess, and recover such sums. the remedy provided in this section is cumlative and not exclusive, and shall be in addition to the penalty provisions of Chapter 5-5.647 of this code and all other remedies available to the City under state and federal law.

General Construction and Site Supervision



Advance Planning to Prevent Pollution

- ❏ Schedule excavation and grading activities for dry weather periods.
- ❏ Control the amount of runoff crossing your site (especially during excavation!) by using berms or drainage ditches to divert water flow around the site.
- ❏ Train your employees and subcontractors. Make this sheet available to everyone who works on the site. Inform subcontractors about the new storm water requirements and their own responsibilities. Refer to *Blueprint for a Clean Bay*, a construction best management practices guide available from the Santa Clara Valley Nonpoint Source Pollution Control Program.

Good housekeeping Practices

- ❏ Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, and bermed if necessary. Make major repairs off site.
- ❏ Keep materials out of the rain — prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- ❏ Keep pollutants off exposed surfaces. Place trash cans and recycling receptacles around the site to minimize litter.
- ❏ Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces.
- ❏ Never hose down "dirty" pavement or surfaces where materials have spilled. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay. As a contractor, site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

- ❏ Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean out a dumpster by hosing it down on the construction site.
- ❏ Make sure portable toilets are in good working order. Check frequently for leaks.

Materials/Waste/Handling

- ❏ Practice Source Reduction — minimize waste when you order materials. Order only the amount you need to finish the job.
- ❏ Use recyclable materials whenever possible.
- ❏ Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. (See the reference list of recyclers at the back of *Blueprint for a Clean Bay*) Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

ADVANCED REPRO. SUPPLY 120943

Painting and paint cleanup

All paints, solvents, and adhesives contain chemicals that are harmful to aquatic animals and other wildlife in our creeks and Bay. Toxic chemicals may come from liquid or solid products or from cleaning residues on rags. It is especially important not to clean brushes or painting equipment (buckets, pans, hoses, etc.) in an area where paint or paint cleanup water can flow to a gutter, street, or storm drain.

Painting cleanup

- ❏ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❏ For water-based paints, paint out brushes on scrap material to the extent possible, and rinse to the sanitary sewer.
- ❏ For oil-based paints, paint out brushes to the extent possible, filter and reuse thinners and solvents. Dispose of excess paint and thinner through your local household hazardous waste disposal program.



General construction
Landscaping/foundation work
Painting and paint cleanup
Masonry and tile work

- ❏ When they are thoroughly dry, empty paint cans, spent brushes, rags, and drop cloths may be disposed of as trash. Leave the lids off paint cans so the refuse collector can see that they are empty.
- ❏ Dispose of empty aerosol paint cans as household hazardous waste.

Paint removal

- ❏ Chemical paint stripping residue, including saturated rags, is a hazardous waste and should be taken to a household hazardous waste collection event.
- ❏ Chips and dust from marine paints or paints containing lead or tributyl tin are also hazardous wastes. Sweep up and save for household hazardous waste event.

Reuse/recycle leftover paints whenever possible.

- ❏ Use up excess water-based paint or give it to a neighbor, or take to a household hazardous waste event. Most household hazardous waste collection programs recycle latex paint.
- ❏ Use up leftover oil-based paint if possible. Paint residues are a hazardous waste and must be taken to collection events.

General construction

- ❏ Keep all construction debris away from the street, gutter, and storm drain.
- ❏ During cleanup, check the street and gutters for refuse or debris. Look around the corner or downstream for material that may have already traveled away from your property.
- ❏ If you or your contractor keep a dumpster at your site, be sure it is securely covered with a lid or tarp when not in use.
- ❏ Paint the inside of galvanized rain gutters to reduce corrosion.

Home Repair and Remodeling

Santa Clara Valley Nonpoint Source Pollution Control Program

Landscaping/foundation work

Intensive gardening, landscaping, and all excavation projects such as foundation repair or pool construction expose soils and increase the likelihood that garden chemicals and earth will wash into the storm drains. Be careful to control erosion and minimize runoff to all driveways, gutters, and storm drains.

- ❏ Schedule grading and excavation projects for dry weather.
- ❏ Cover excavated material and stockpiles of asphalt, sand, etc. with plastic tarps during the rainy season.
- ❏ Replant as soon as possible, with temporary vegetation such as annual grass seed if necessary. Revegetation provides excellent erosion control.
- ❏ Take care not to over-apply pesticides, and use up leftover supply. Rinse empty containers, and use rinse-water as you would use the product.
- ❏ Dispose of unused pesticides as hazardous waste.
- ❏ Collect lawn and garden clippings, pruning waste, and tree trimmings. Many cities and landfills have yard waste composting programs. Check with your local recycling program.
- ❏ Do not blow or rake leaves, etc. into the street, or place yard waste in gutters or on dirt shoulders.
- ❏ In unincorporated areas and communities with curbside yard waste recycling, leave clippings and pruning waste for pickup in approved bags or containers.

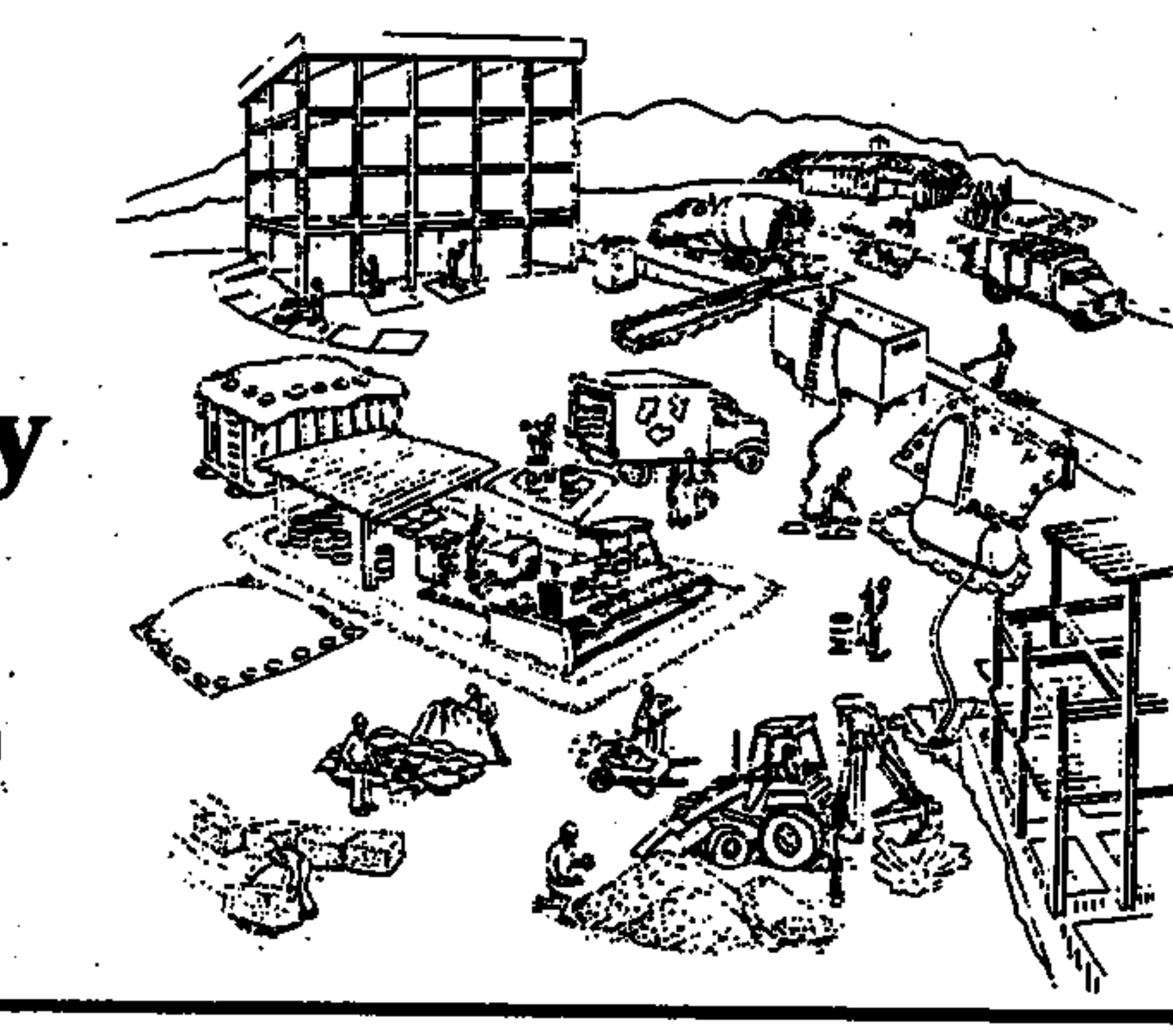
Concrete, masonry, and tile work

- ❏ Don't mix up more fresh concrete or cement than you will use in a day.
- ❏ Cover and protect bags of cement and plaster after they are open. Be sure to keep wind-blown cement powder away from gutters, storm drains, rainfall, and runoff.
- ❏ Wash down exposed aggregate concrete only when wash water can flow onto a dirt area, or be collected, pumped, and disposed of properly. Make sure runoff does not reach gutters or storm drains.
- ❏ Never wash excess material from bricklaying or patio or driveway construction into a street or storm drain. Empty mixing container onto a dirt area, or allow material to dry and put in trash.
- ❏ Dispose of small amounts of excess dry concrete, grout, and mortar in the trash. Call your local refuse hauler for weight and size limits.
- ❏ Collect and reuse excess gravel and sand.
- ❏ Never hose down driveways, sidewalk, or streets.

Blueprint for a Clean Bay

Remember: The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. You may be held responsible for any environmental damage caused by your subcontractors or employees.

Best Management Practices for the Construction Industry



Santa Clara Valley
Urban Runoff Pollution
Prevention Program

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
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STATE OF CALIFORNIA
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KSH
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
BLUEPRINT FOR A CLEAN BAY

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
C-10.17

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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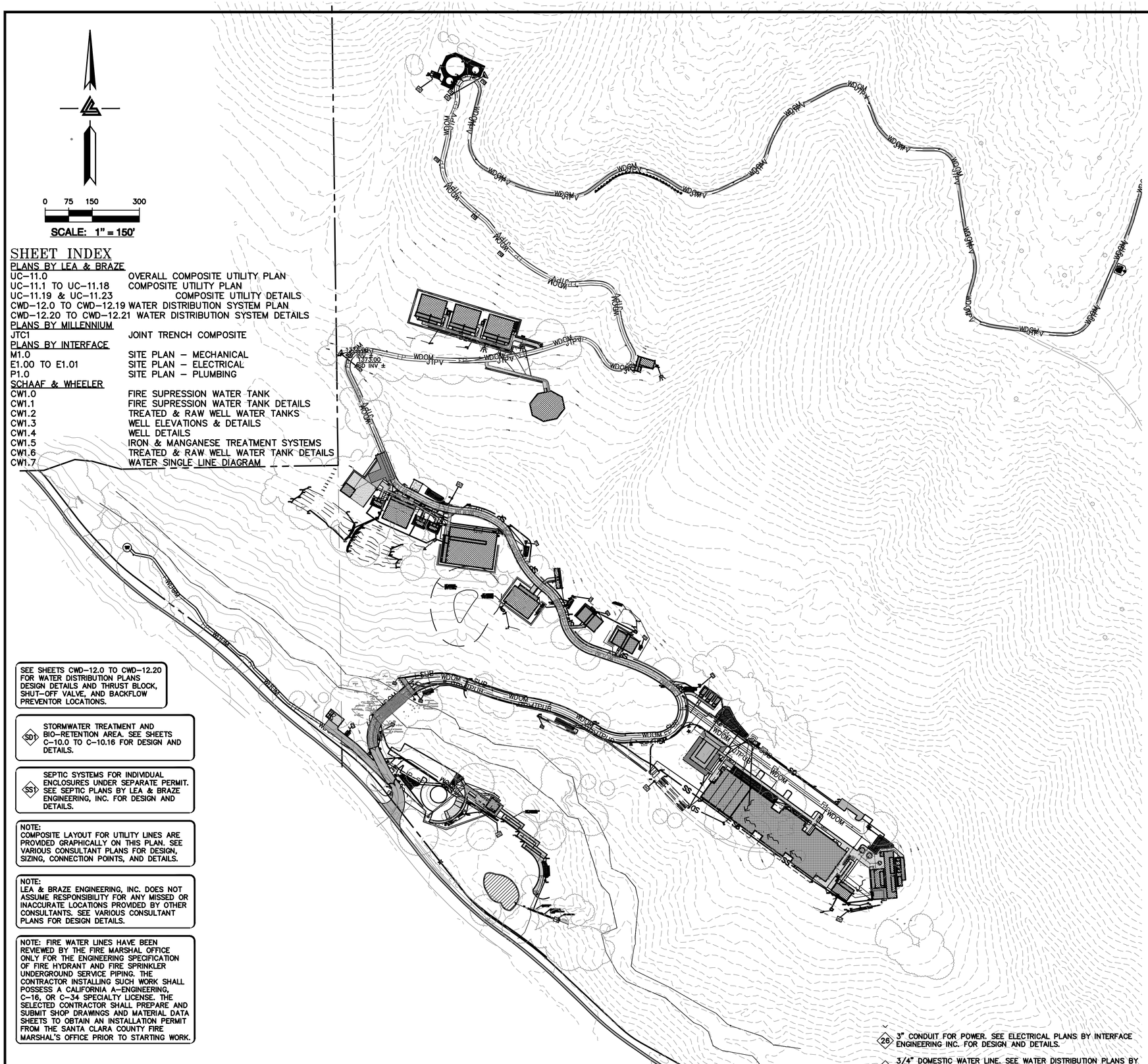

SHEET INDEX

PLANS BY LEA & BRAZE

UC–11.0	OVERALL COMPOSITE UTILITY PLAN
UC–11.1 TO UC–11.18	COMPOSITE UTILITY PLAN
UC–11.19 & UC–11.23	COMPOSITE UTILITY DETAILS
CWD–12.0 TO CWD–12.19	WATER DISTRIBUTION SYSTEM PLAN
CWD–12.20 TO CWD–12.21	WATER DISTRIBUTION SYSTEM DETAILS

PLANS BY MILLENNIUM

JTC1	JOINT TRENCH COMPOSITE

PLANS BY INTERFACE

M1.0	SITE PLAN – MECHANICAL
E1.00 TO E1.01	SITE PLAN – ELECTRICAL
P1.0	SITE PLAN – PLUMBING

SCHAAF & WHEELER

CW1.0	FIRE SUPRESSION WATER TANK
CW1.1	FIRE SUPRESSION WATER TANK DETAILS
CW1.2	TREATED & RAW WELL WATER TANKS
CW1.3	WELL ELEVATIONS & DETAILS
CW1.4	WELL DETAILS
CW1.5	IRON & MANGANESE TREATMENT SYSTEMS
CW1.6	TREATED & RAW WELL WATER TANK DETAILS
CW1.7	WATER SINGLE LINE DIAGRAM

SEE SHEETS CWD–12.0 TO CWD–12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT–OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO–RETENTION AREA. SEE SHEETS C–10.0 TO C–10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

NOTE:
COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

NOTE:
LEA & BRAZE ENGINEERING, INC. DOES NOT ASSUME RESPONSIBILITY FOR ANY MISSED OR INACCURATE LOCATIONS PROVIDED BY OTHER CONSULTANTS. SEE VARIOUS CONSULTANT PLANS FOR DESIGN DETAILS.

NOTE: FIRE WATER LINES HAVE BEEN REVIEWED BY THE FIRE MARSHAL OFFICE ONLY FOR THE ENGINEERING SPECIFICATION OF FIRE HYDRANT AND FIRE SPRINKLER UNDERGROUND SERVICE PIPING. THE CONTRACTOR INSTALLING SUCH WORK SHALL POSSESS A CALIFORNIA A–ENGINEERING, C–16, OR C–34 SPECIALTY LICENSE. THE SELECTED CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND MATERIAL DATA SHEETS TO OBTAIN AN INSTALLATION PERMIT FROM THE SANTA CLARA COUNTY FIRE MARSHAL'S OFFICE PRIOR TO STARTING WORK.

LEGEND

D1	1–1/4" CONDUIT FOR DATA
D2	1–1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
JTPV	JOINT TRENCH PRIVATE LINES
P1	1" CONDUIT FOR POWER
P2	1–1/4" CONDUIT FOR POWER
P3	1–1/2" CONDUIT FOR POWER
P4	2" CONDUIT FOR POWER
P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

CONSULTANT NOTES:

1. 1–1/4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
2. 1–1/2" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
3. 2" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
4. (1) 4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
5. (2) 4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
6. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HDPE (DR–11 OR SIMILAR). REFER TO WATER DISTRIBUTION PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE. SHEETS CWD–12.0 TO CWD–12.20.
7. 2" IP NETWORK LINE. INSTALLED PER THE OWNER'S REQUEST.
8. INSTALL JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
9. 1" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
10. 1–1/4" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
11. 1–1/2" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
12. 2" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
13. (2) 4" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
14. 4" STEEL CONDUITS FOR PG&E PRIMARY TO CROSS THE BRIDGE WITHIN THE FIRST VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. REFER TO THE PG&E SKETCH, PM# 35026317 FOR MORE PG&E INFORMATION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC FOR DESIGN AND DETAILS.
15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
16. 12" STORM DRAIN LINES UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
17. (2) 2" PRIVATE SPARE LINES. INSTALLED PER THE OWNER'S REQUEST.
18. 2" SANITARY SEWER PRESSURE LINE W/ 42" MINIMUM COVER. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.
19. 6" PVC (SDR–26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
21. 4" PLASTIC CONDUITS FOR AT&T TELEPHONE LINE TO CROSS THE BRIDGE WITHIN THE SECOND VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
22. 4" STORM DRAIN TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C–10.0 TO C–10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — MICHAEL JOSEPH LEA — No. C79335 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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SANTA CLARA COUNTY RECORD INFORMATION
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PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE
1" = 150'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.0

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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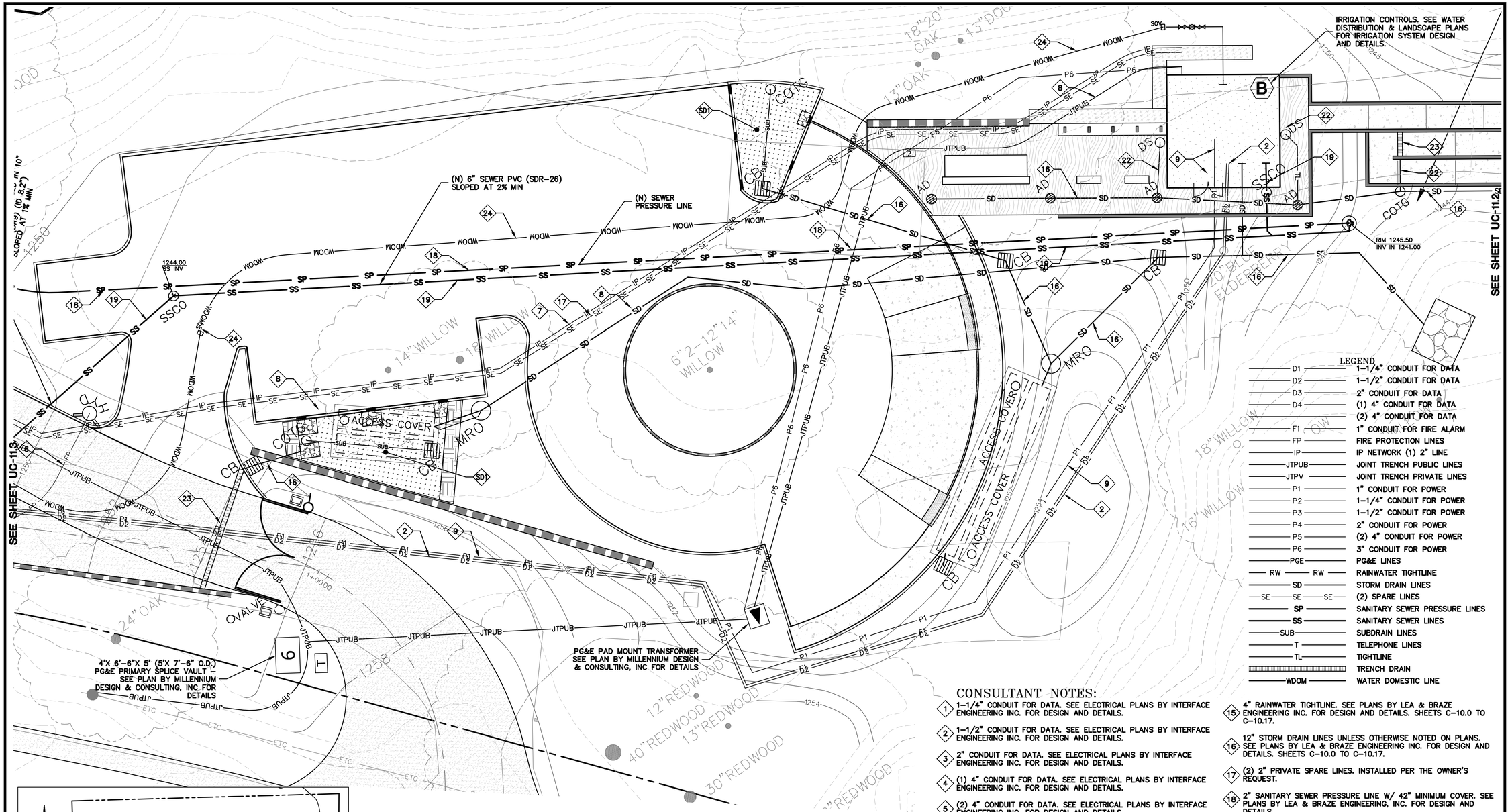

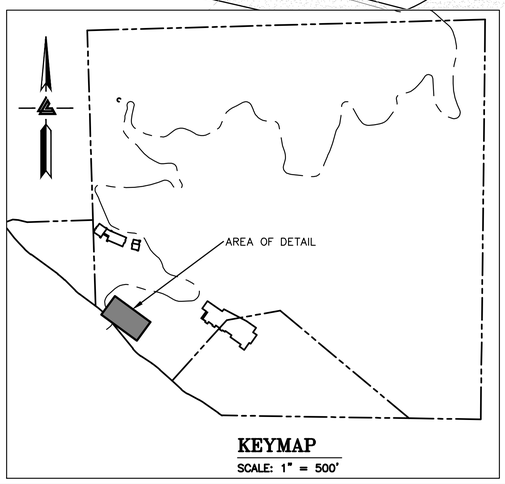

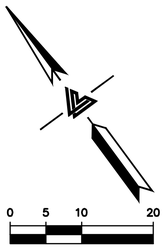

NOTE: FIRE WATER LINES HAVE BEEN REVIEWED BY THE FIRE MARSHAL OFFICE ONLY FOR THE ENGINEERING SPECIFICATION OF FIRE HYDRANT AND FIRE SPRINKLER UNDERGROUND SERVICE PIPING. THE CONTRACTOR INSTALLING SUCH WORK SHALL POSSESS A CALIFORNIA A-ENGINEERING, C-16, OR C-34 SPECIALTY LICENSE. THE SELECTED CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND MATERIAL DATA SHEETS TO OBTAIN AN INSTALLATION PERMIT FROM THE SANTA CLARA COUNTY FIRE MARSHAL'S OFFICE PRIOR TO STARTING WORK.

SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO-RETENTION AREA. SEE SHEETS C-10.0 TO C-10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

NOTE:
COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

NOTE:
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LEGEND

D1	1-1/4" CONDUIT FOR DATA
D2	1-1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
JTPV	JOINT TRENCH PRIVATE LINES
P1	1" CONDUIT FOR POWER
P2	1-1/4" CONDUIT FOR POWER
P3	1-1/2" CONDUIT FOR POWER
P4	2" CONDUIT FOR POWER
P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

CONSULTANT NOTES:

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6. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HDPE (DR-11 OR SIMILAR). REFER TO WATER DISTRIBUTION PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE. SHEETS CWD-12.0 TO CWD-12.20.
7. 2" IP NETWORK LINE. INSTALLED PER THE OWNER'S REQUEST.
8. INSTALL JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
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18. 2" SANITARY SEWER PRESSURE LINE W/ 42" MINIMUM COVER. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.
19. 6" PVC (SDR-26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
21. 4" PLASTIC CONDUITS FOR AT&T TELEPHONE LINE TO CROSS THE BRIDGE WITHIN THE SECOND VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
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23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C-10.0 TO C-10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLISLE — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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CIVIL ENGINEERS - LAND SURVEYORS
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ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

SEE SHEET UC-11.1

IRRIGATION CONTROLS. SEE WATER DISTRIBUTION & LANDSCAPE PLANS FOR IRRIGATION SYSTEM DESIGN AND DETAILS.

SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

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0 5 10 20

SCALE: 1" = 10'

RIM 1245.50
INV IN 1241.00

MATCHLINE SEE BELOW

MATCHLINE SEE ABOVE

(E) 18" PIPE TO BE REMOVED

(N) 18" PIPE WITH RESTRAINTS TO BE INSTALLED ABOVE GRADE ~175 LF FREE

(N) ROCK OUTFALL

LEGEND

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AREA OF DETAIL

KEYMAP

SCALE: 1" = 500'

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SHEETS CWD-12.0 TO CWD-12.12.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLISLE — NO. C79355 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
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APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.2

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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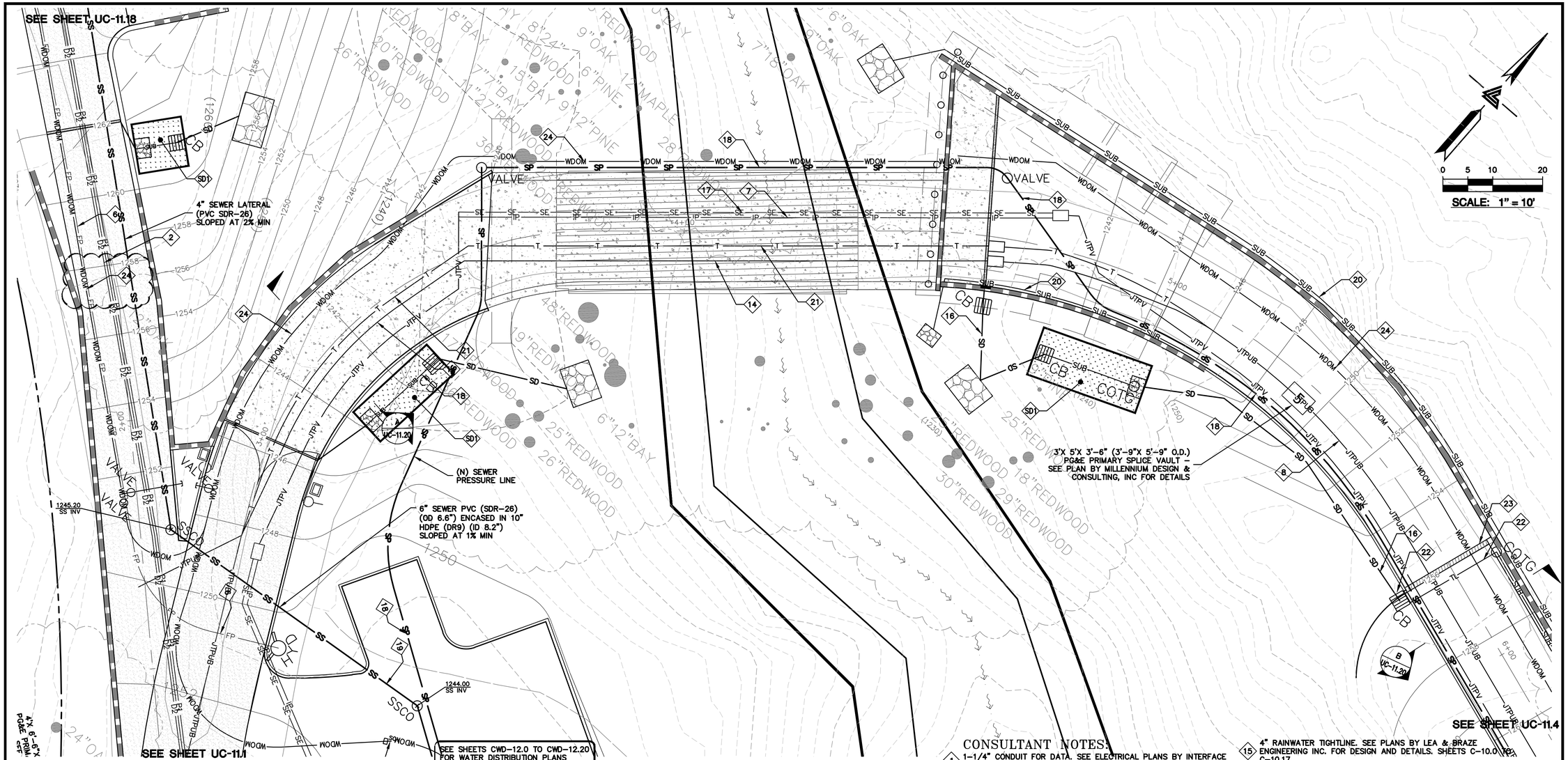

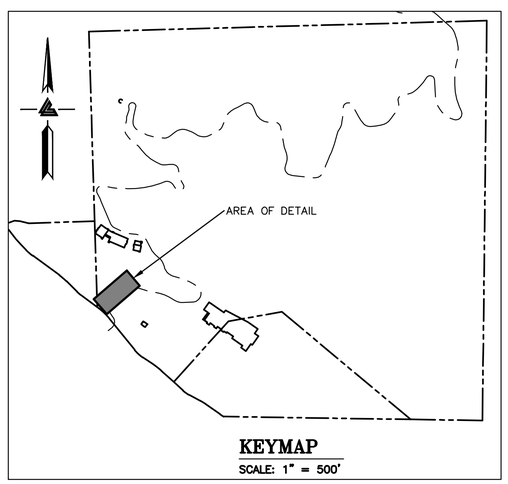

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19. 6" PVC (SDR-26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
21. 4" PLASTIC CONDUITS FOR AT&T TELEPHONE LINE TO CROSS THE BRIDGE WITHIN THE SECOND VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
22. 4" STORM DRAIN TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C-10.0 TO C-10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLISLE — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS - LAND SURVEYORS
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HAYWARD, CALIFORNIA 94545
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3017 DOUGLAS BLVD. # 300
ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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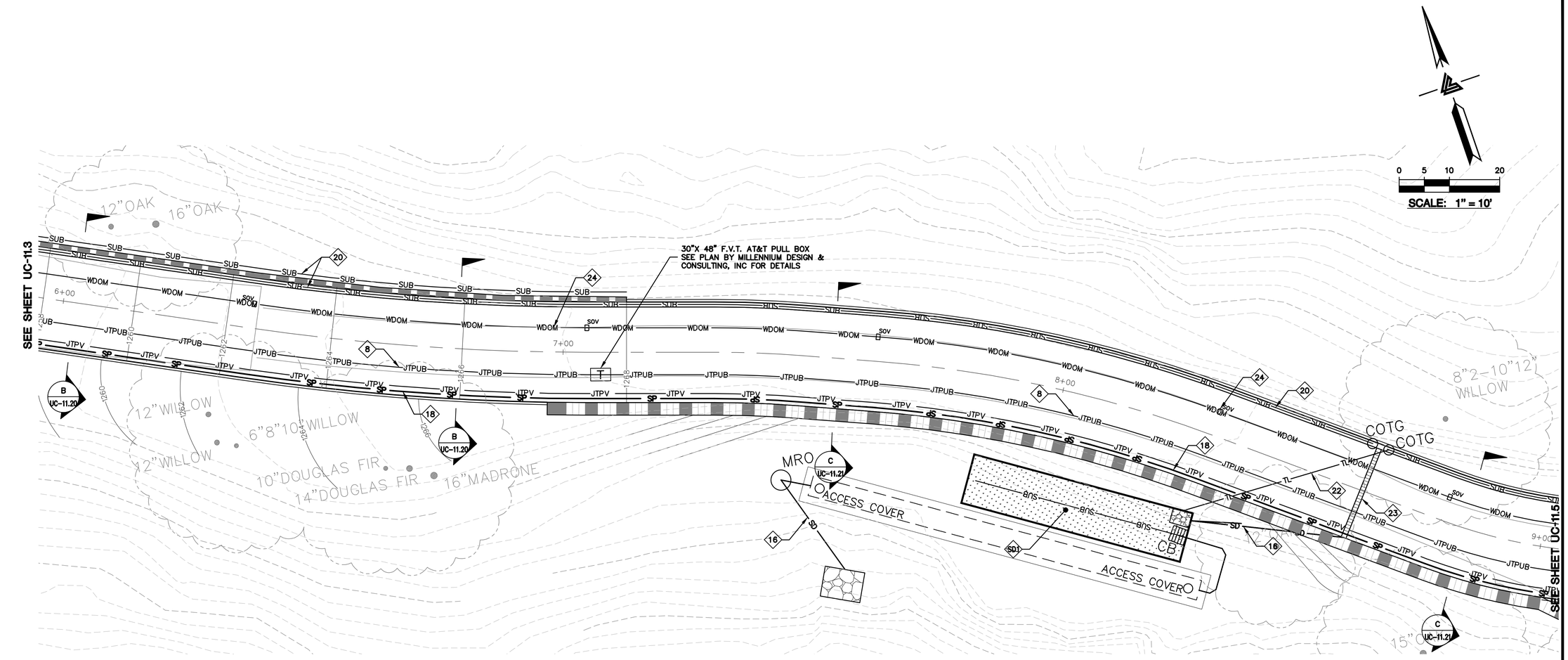
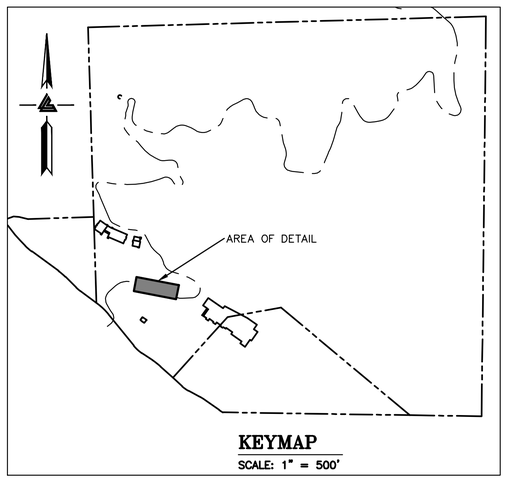
PLOT: 2/16/2021 12:36:19 PM





KEYMAP
SCALE: 1" = 500'

SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO-RETENTION AREA. SEE SHEETS C-10.0 TO C-10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

NOTE:
COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

NOTE:
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NOTE: FIRE WATER LINES HAVE BEEN REVIEWED BY THE FIRE MARSHAL OFFICE ONLY FOR THE ENGINEERING SPECIFICATION OF FIRE HYDRANT AND FIRE SPRINKLER UNDERGROUND SERVICE PIPING. THE CONTRACTOR INSTALLING SUCH WORK SHALL POSSESS A CALIFORNIA A-ENGINEERING, C-16, OR C-34 SPECIALTY LICENSE. THE SELECTED CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND MATERIAL DATA SHEETS TO OBTAIN AN INSTALLATION PERMIT FROM THE SANTA CLARA COUNTY FIRE MARSHAL'S OFFICE PRIOR TO STARTING WORK.

LEGEND

D1	1-1/4" CONDUIT FOR DATA
D2	1-1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
JTPV	JOINT TRENCH PRIVATE LINES
P1	1" CONDUIT FOR POWER
P2	1-1/4" CONDUIT FOR POWER
P3	1-1/2" CONDUIT FOR POWER
P4	2" CONDUIT FOR POWER
P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE
	WATER RAW LINE

CONSULTANT NOTES:

1. 1-1/4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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7. 2" IP NETWORK LINE. INSTALLED PER THE OWNER'S REQUEST.
8. INSTALL JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
9. 1" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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14. 4" STEEL CONDUITS FOR PG&E PRIMARY TO CROSS THE BRIDGE WITHIN THE FIRST VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. REFER TO THE PG&E SKETCH, PM# 35026317 FOR MORE PG&E INFORMATION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC FOR DESIGN AND DETAILS.
15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
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23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C-10.0 TO C-10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

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ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
JENNIFER CARLSON
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
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09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6843-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

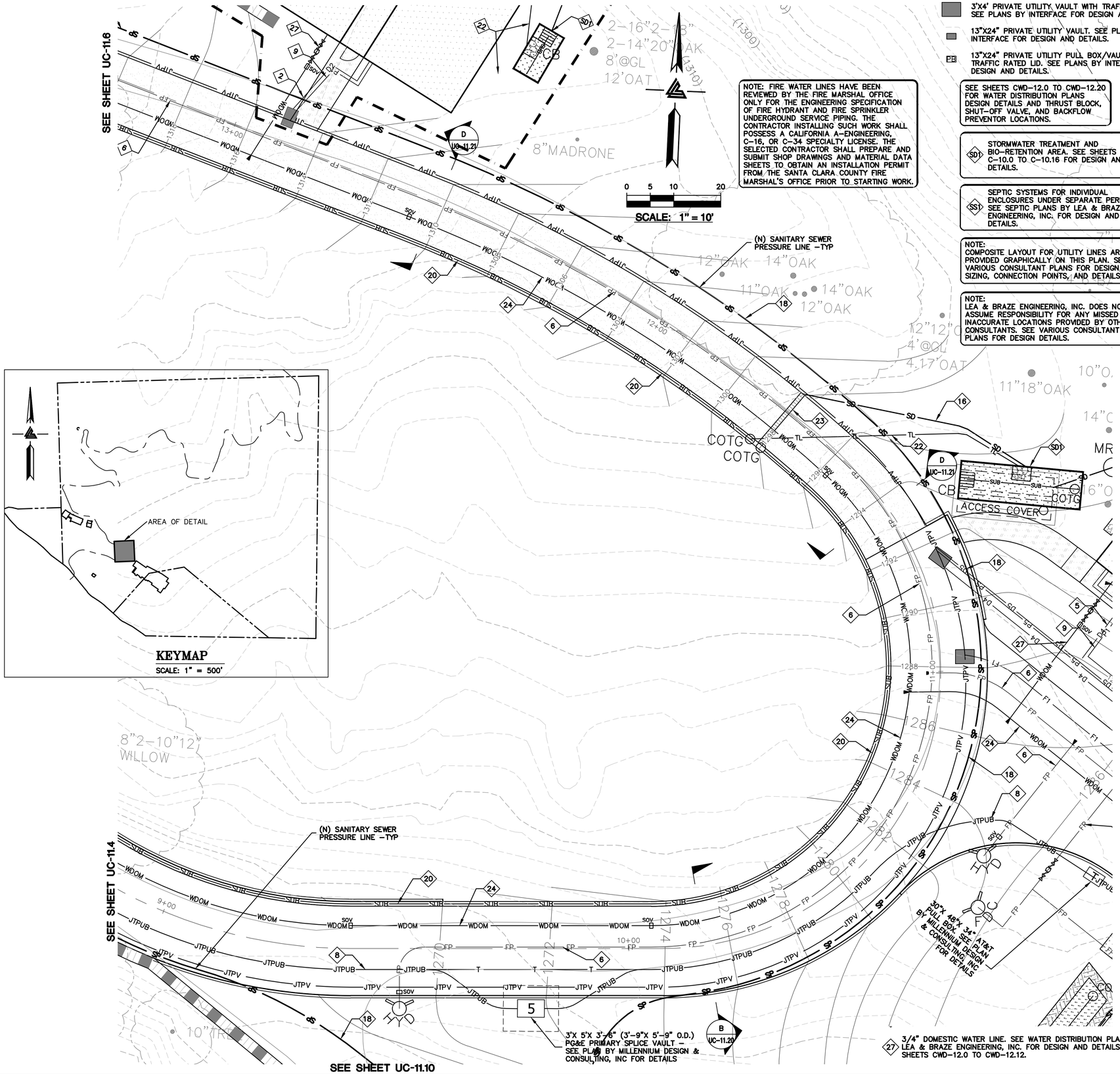
PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.4

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

PB 13"X24" PRIVATE UTILITY PULL BOX/VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JAMES LEA III — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
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12–21–18	PERMIT RESUBMITTAL
03–26–19	PERMIT MODIFICATION PLAN CHECK 1
04–11–19	ASA DELTA 2
04–22–19	BID SET
05–10–19	BID SET ADDENDUM 1
05–22–19	UTILITY PLAN CHECK 1
08–06–19	PHASE 4 – PERMIT SUBMITTAL
09–20–19	CONSTRUCTION SET 1
01–28–20	PERMIT MODIFICATION 2
05–29–20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07–22–20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.5

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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PLOT: 2/16/2021 12:38:52 PM

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3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

PB 13"X24" PRIVATE UTILITY PULL BOX/VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

0 5 10 20

SCALE: 1" = 10'

FUTURE DEVELOPMENT RACCOON ENCLOSURES & ASSOCIATED IMPROVEMENTS

SEE SHEET UC-11.7

SEE SHEET UC-11.5

CONSULTANT NOTES:

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13. (2) 4" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
14. 4" STEEL CONDUITS FOR PG&E PRIMARY TO CROSS THE BRIDGE WITHIN THE FIRST VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. REFER TO THE PG&E SKETCH, PM# 35026317 FOR MORE PG&E INFORMATION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC FOR DESIGN AND DETAILS.
15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
16. 12" STORM DRAIN LINES UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
17. (2) 2" PRIVATE SPARE LINES. INSTALLED PER THE OWNER'S REQUEST.
18. 2" SANITARY SEWER PRESSURE LINE W/ 42" MINIMUM COVER. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.
19. 6" PVC (SDR-26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
21. 4" PLASTIC CONDUITS FOR AT&T TELEPHONE LINE TO CROSS THE BRIDGE WITHIN THE SECOND VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
22. 4" STORM DRAIN TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
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24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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LEGEND

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D2	1-1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
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P4	2" CONDUIT FOR POWER
P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO-RETENTION AREA. SEE SHEETS C-10.0 TO C-10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

NOTE:
COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

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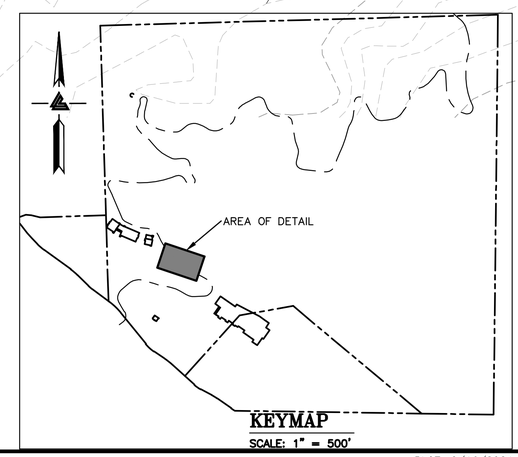

KEYMAP
SCALE: 1" = 500'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLISLE — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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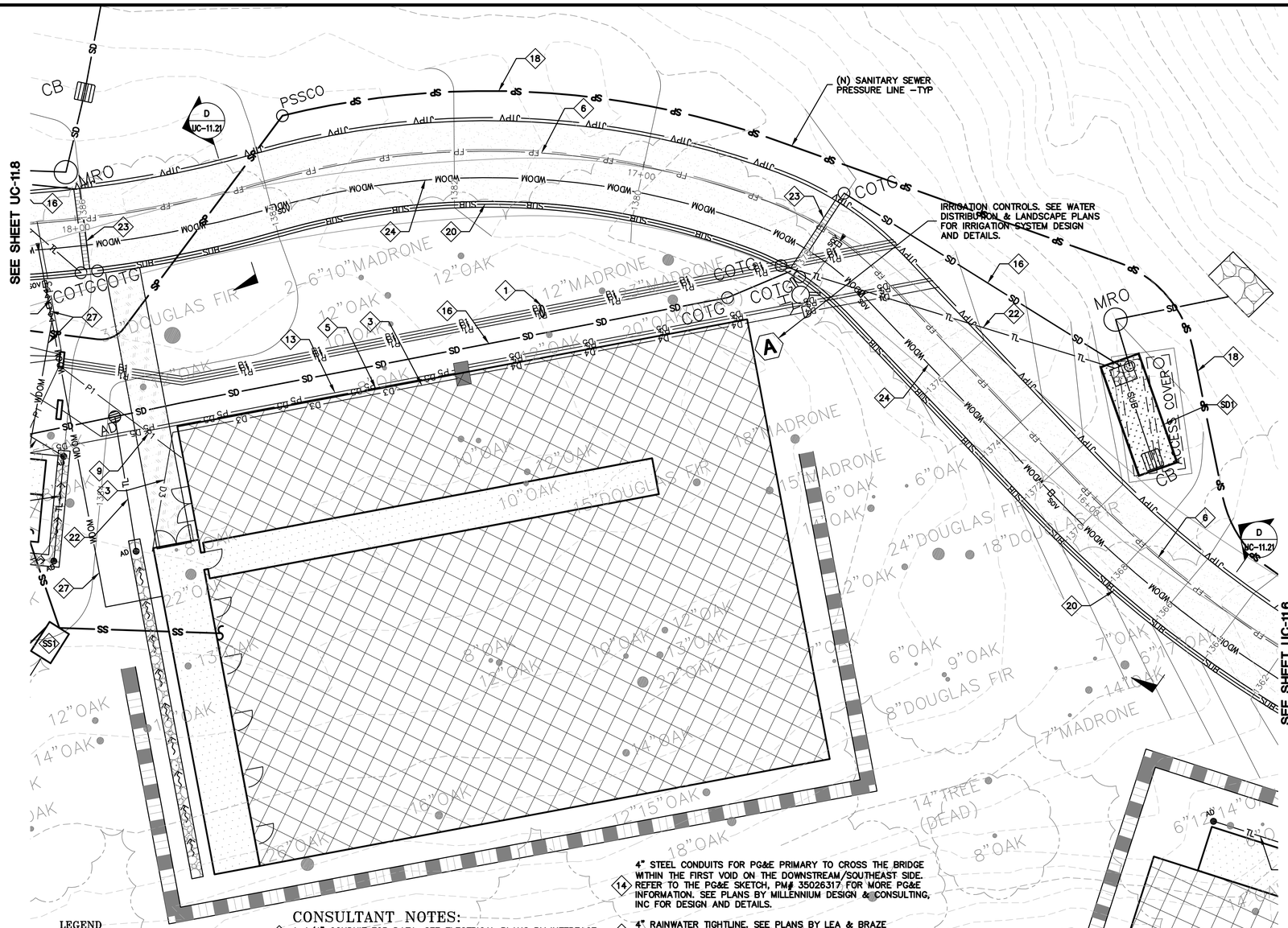
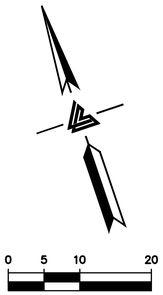
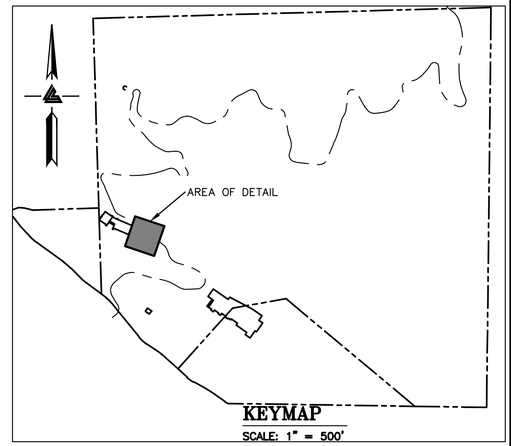




SCALE: 1" = 10'



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3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

PB 13"X24" PRIVATE UTILITY PULL BOX/VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

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NOTE:
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NOTE: FIRE WATER LINES HAVE BEEN REVIEWED BY THE FIRE MARSHAL OFFICE ONLY FOR THE ENGINEERING SPECIFICATION OF FIRE HYDRANT AND FIRE SPRINKLER UNDERGROUND SERVICE PIPING. THE CONTRACTOR INSTALLING SUCH WORK SHALL POSSESS A CALIFORNIA A-ENGINEERING, C-16, OR C-34 SPECIALTY LICENSE. THE SELECTED CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND MATERIAL DATA SHEETS TO OBTAIN AN INSTALLATION PERMIT FROM THE SANTA CLARA COUNTY FIRE MARSHAL'S OFFICE PRIOR TO STARTING WORK.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JENNIFER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
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09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
UC-11.7

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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PLOT: 2/16/2021 12:41:40 PM

3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

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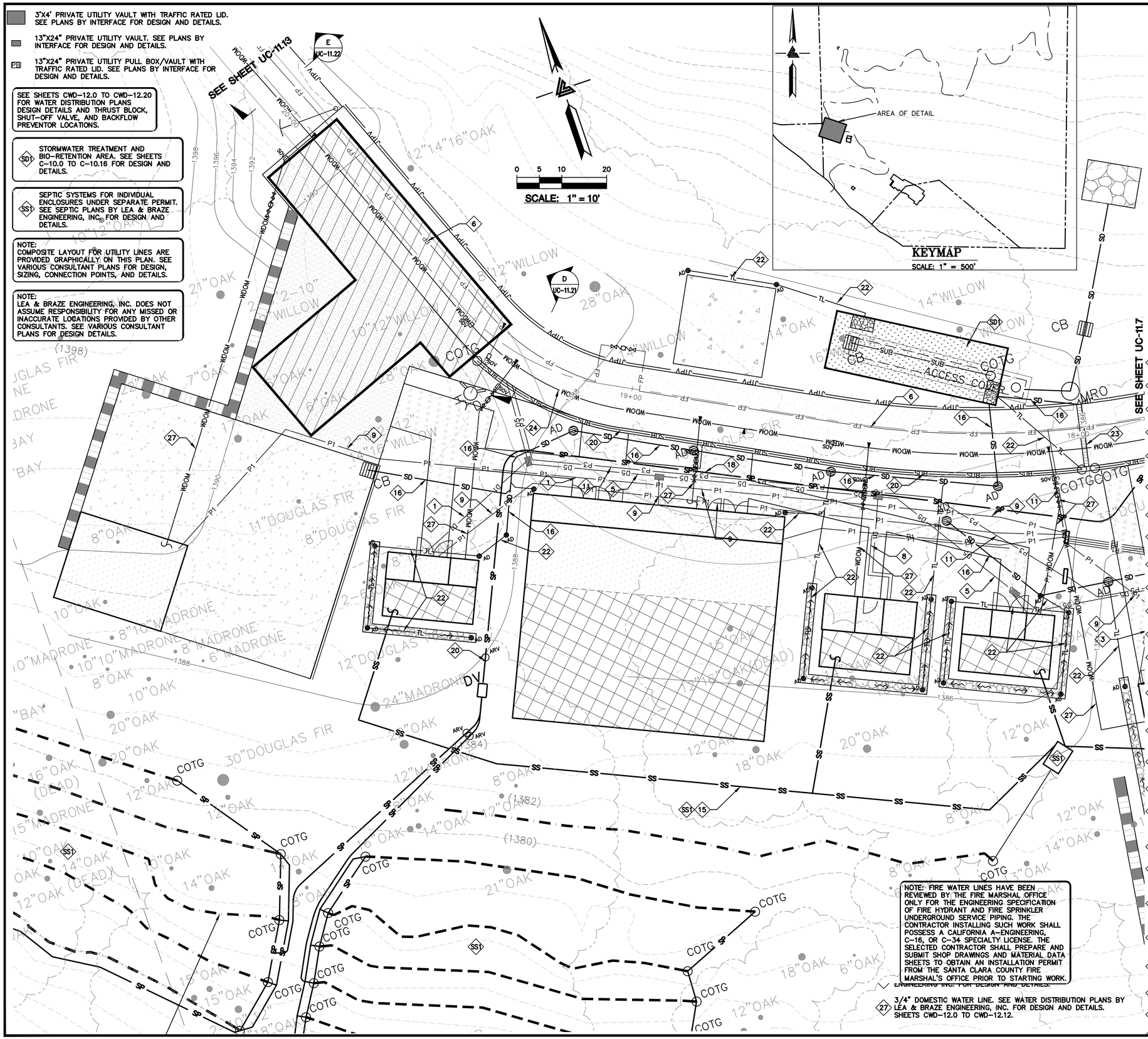

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WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
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01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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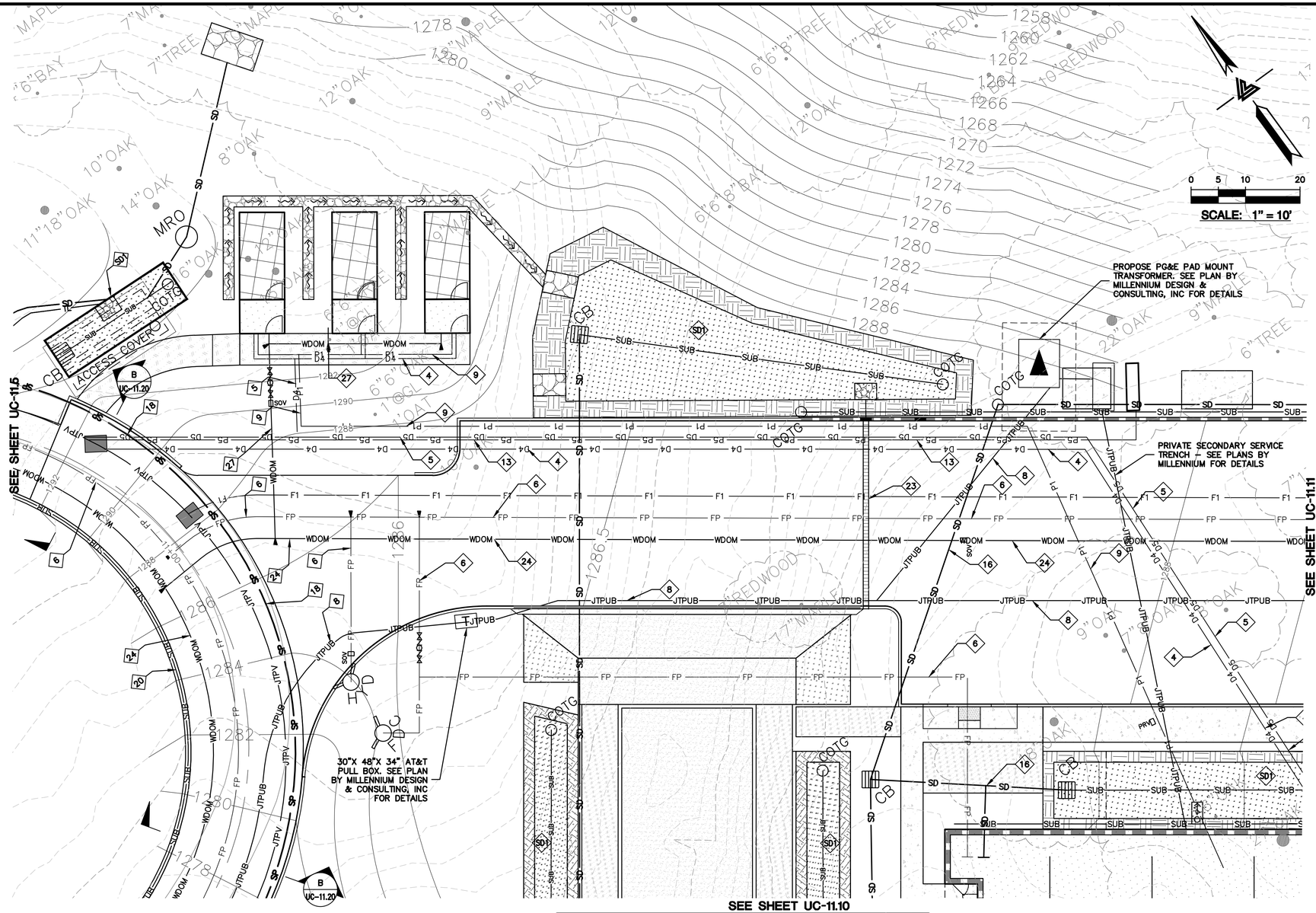
PLOT: 2/16/2021 12:43:07 PM



LEGEND

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D2	1–1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
JTPV	JOINT TRENCH PRIVATE LINES
P1	1" CONDUIT FOR POWER
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SD	STORM DRAIN LINES
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SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
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WDOM	WATER DOMESTIC LINE

CONSULTANT NOTES:

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7. 2" IP NETWORK LINE. INSTALLED PER THE OWNER'S REQUEST.
8. INSTALL JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
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15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
16. 12" STORM DRAIN LINES UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
17. (2) 2" PRIVATE SPARE LINES. INSTALLED PER THE OWNER'S REQUEST.
18. 2" SANITARY SEWER PRESSURE LINE W/ 42" MINIMUM COVER. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.
19. 6" PVC (SDR–26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
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23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C–10.0 TO C–10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.

SEE SHEETS CWD–12.0 TO CWD–12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT–OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

PB 13"X24" PRIVATE UTILITY PULL BOX/VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

ENGINEERING INC. FOR DESIGN AND DETAILS.

SD1 STORMWATER TREATMENT AND BIO–RETENTION AREA. SEE SHEETS C–10.0 TO C–10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

NOTE: COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

NOTE: LEA & BRAZE ENGINEERING, INC. DOES NOT ASSUME RESPONSIBILITY FOR ANY MISSED OR INACCURATE LOCATIONS PROVIDED BY OTHER CONSULTANTS. SEE VARIOUS CONSULTANT PLANS FOR DESIGN DETAILS.

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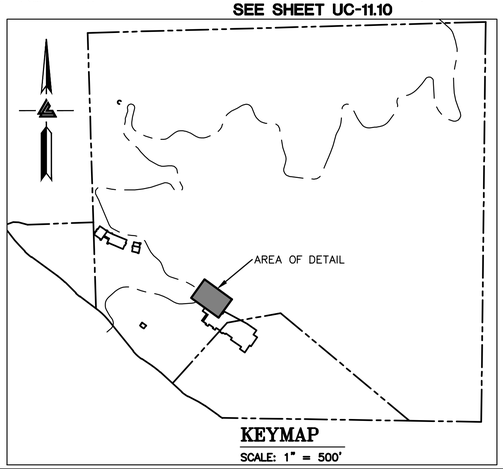

KEYMAP
SCALE: 1" = 500'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION
2495 INDUSTRIAL PKWY WEST
SAN RAMON, CA 94583
(P) (510) 887–4086
(F) (510) 887–3019
SACRAMENTO REGION
3017 DOUGLAS BLVD, # 300
ROSEVILLE, CA 95661
(P) (916)966–1338
(F) (916)797–7363
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PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC–11.9

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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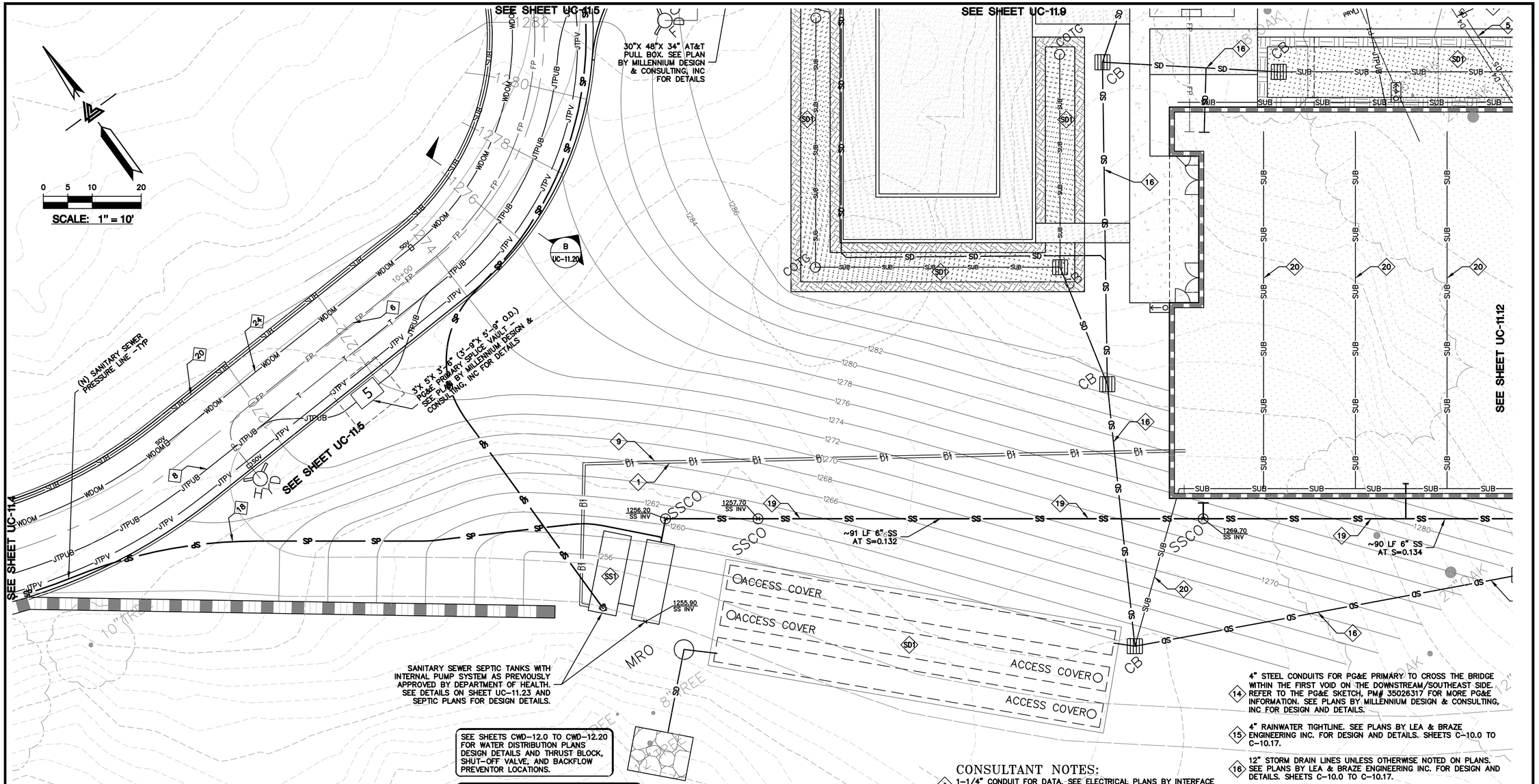
PLOT: 2/16/2021 12:44:31 PM



SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

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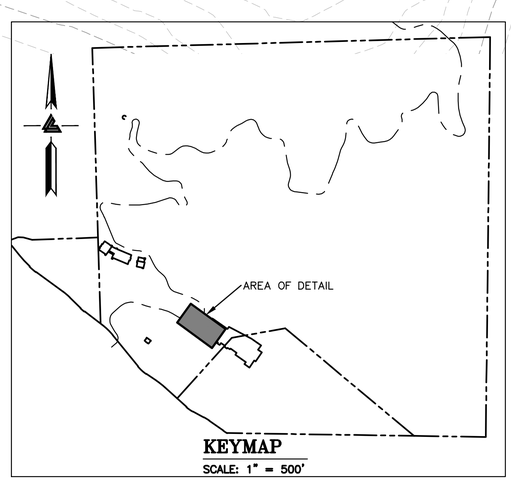

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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KSH ARCHITECTS
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LB Job No.	2130712

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UC-11.10

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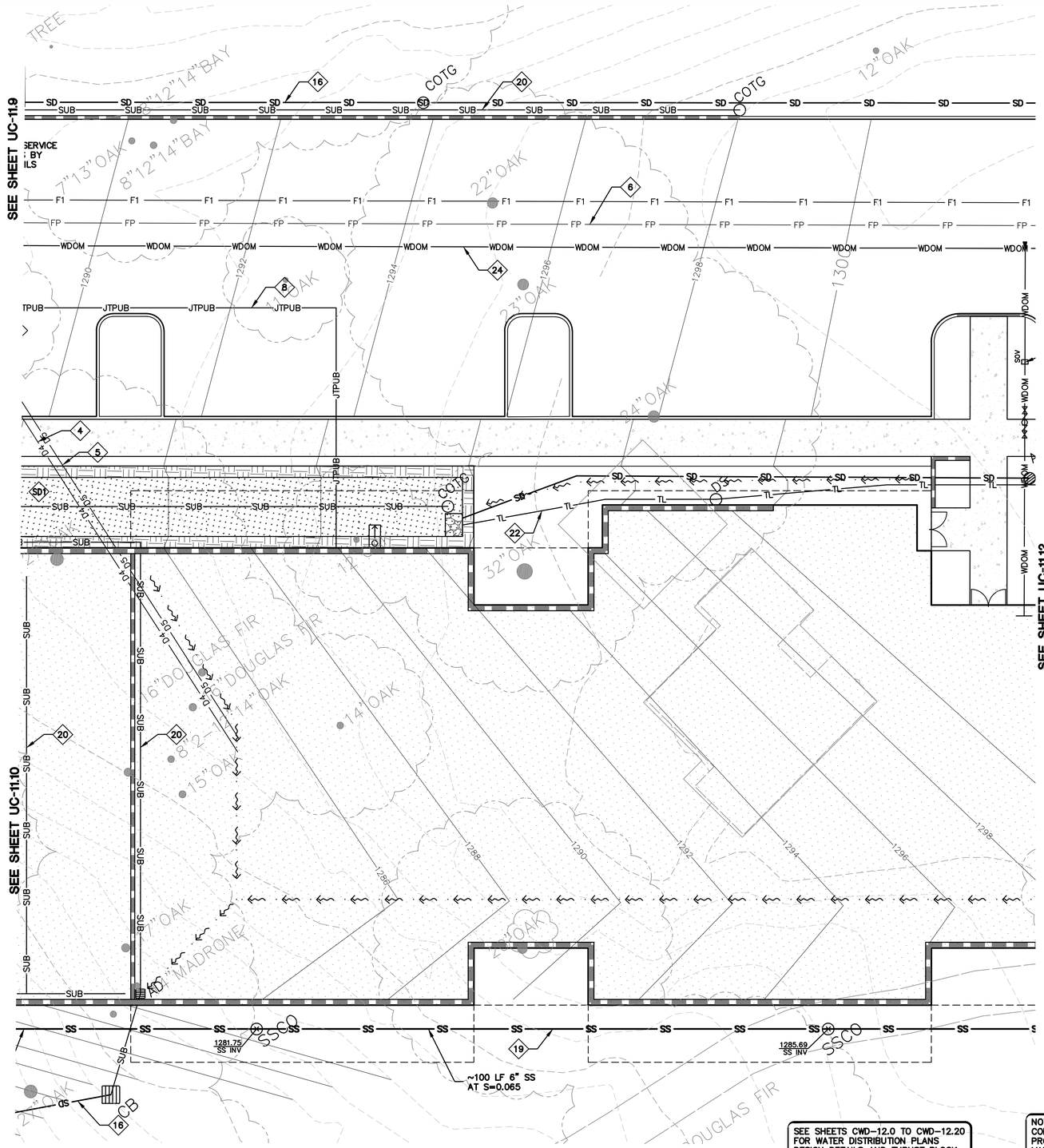

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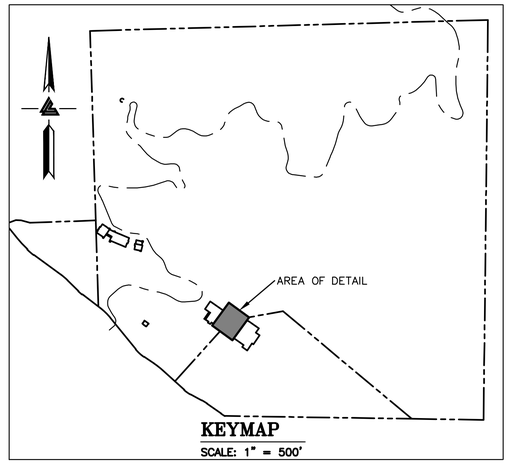

KEYMAP

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15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
16. 12" STORM DRAIN LINES UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
17. (2) 2" PRIVATE SPARE LINES. INSTALLED PER THE OWNER'S REQUEST.
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20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
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24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO-RETENTION AREA. SEE SHEETS C-10.0 TO C-10.16 FOR DESIGN AND DETAILS.

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NOTE: COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER PETER CARLSON No. C79535 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
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(F) (510) 887-3019
SACRAMENTO REGION
3017 DOUGLAS BLVD, # 300
ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
WWW.LEABRAZE.COM

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

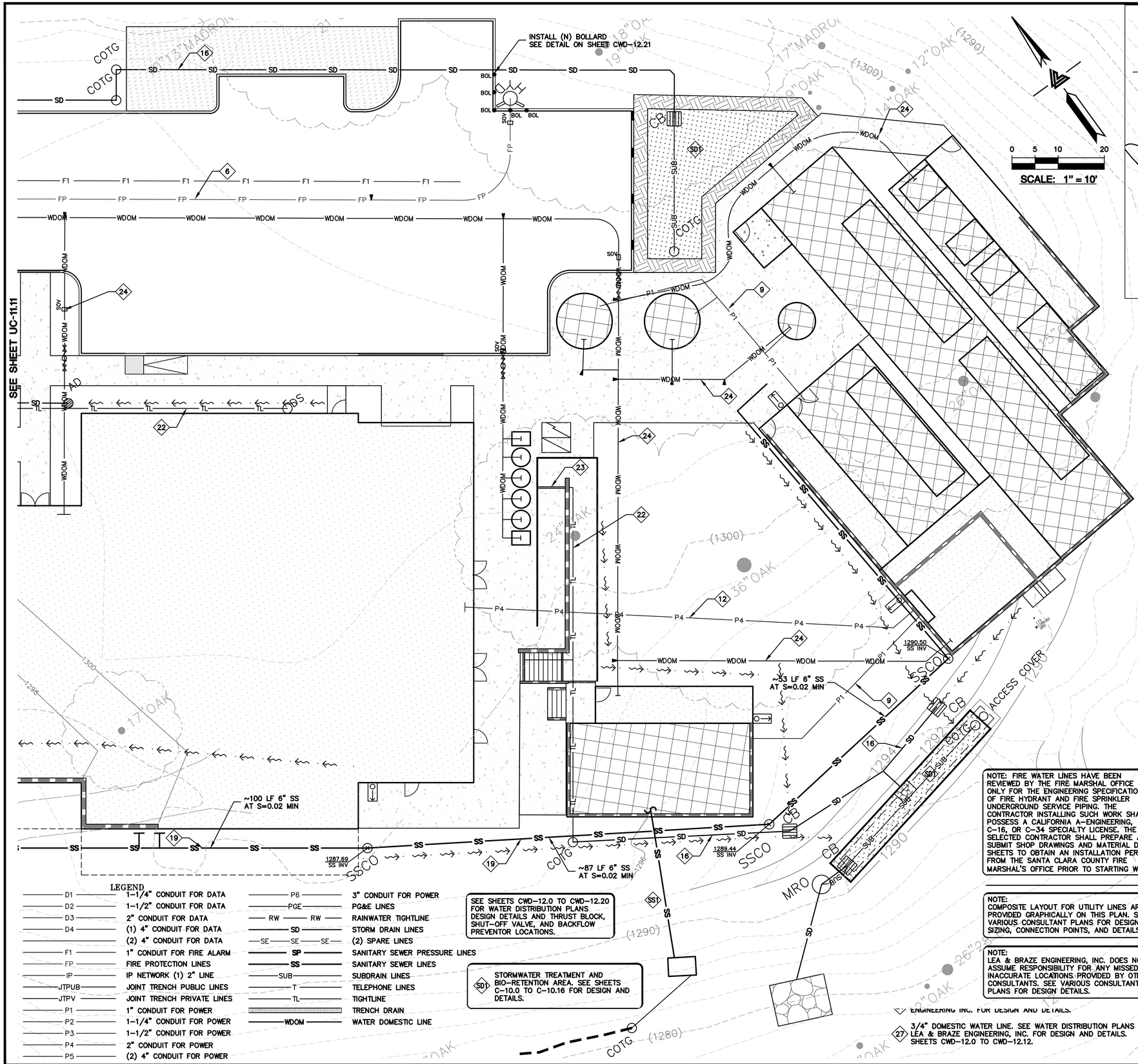
PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.11

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943



CONSULTANT NOTES:

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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.12

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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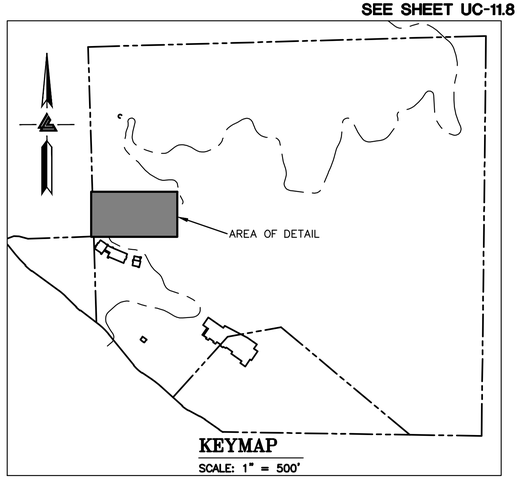
PLOT: 2/16/2021 12:48:40 PM

SEE SHEET UC-11.14

SEE SHEET UC-11.15

SEE SHEET UC-11.8



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LEGEND

D1	1-1/4" CONDUIT FOR DATA
D2	1-1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
JTPV	JOINT TRENCH PRIVATE LINES
P1	1" CONDUIT FOR POWER
P2	1-1/4" CONDUIT FOR POWER
P3	1-1/2" CONDUIT FOR POWER
P4	2" CONDUIT FOR POWER
P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

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0 10 20 40

SCALE: 1" = 20'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER A. JOSE — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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PROJECT NUMBER
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SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
UC-11.13

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PLOT: 2/16/2021 12:50:05 PM

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0 5 10 20

SCALE: 1" = 10'

SEE SHEET UC-11.15

SEE SHEET UC-11.13

SEE SHEETS CWD–12.0 TO CWD–12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT–OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

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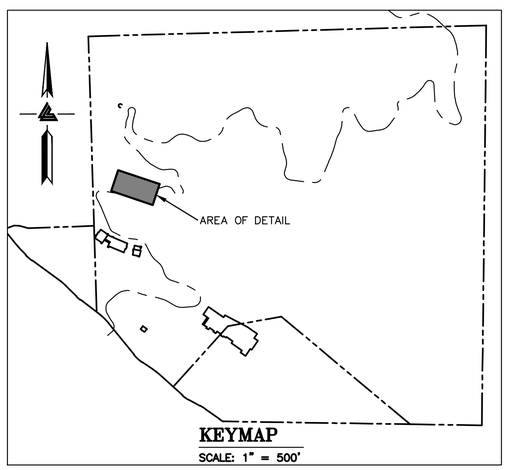

KEYMAP

SCALE: 1" = 500'

LEGEND

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D2	1–1/2" CONDUIT FOR DATA
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P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

CONSULTANT NOTES:

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6. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HDPE (DR–11 OR SIMILAR). REFER TO WATER DISTRIBUTION PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE. SHEETS CWD–12.0 TO CWD–12.20.
7. 2" IP NETWORK LINE. INSTALLED PER THE OWNER'S REQUEST.
8. INSTALL JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
9. 1" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
10. 1–1/4" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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14. 4" STEEL CONDUITS FOR PG&E PRIMARY TO CROSS THE BRIDGE WITHIN THE FIRST VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. REFER TO THE PG&E SKETCH, PM# 35026317 FOR MORE PG&E INFORMATION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC FOR DESIGN AND DETAILS.
15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
16. 12" STORM DRAIN LINES UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
17. (2) 2" PRIVATE SPARE LINES. INSTALLED PER THE OWNER'S REQUEST.
18. 2" SANITARY SEWER PRESSURE LINE W/ 42" MINIMUM COVER. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.
19. 6" PVC (SDR–26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
21. 4" PLASTIC CONDUITS FOR AT&T TELEPHONE LINE TO CROSS THE BRIDGE WITHIN THE SECOND VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
22. 4" STORM DRAIN TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C–10.0 TO C–10.17.
23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C–10.0 TO C–10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLINO — NO. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
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(P) (916)966–1338
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09–06–18	GRADING PERMIT PLAN CHECK 4
12–21–18	PERMIT RESUBMITTAL
03–26–19	PERMIT MODIFICATION PLAN CHECK 1
04–11–19	ASA DELTA 2
04–22–19	BID SET
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01–28–20	PERMIT MODIFICATION 2
05–29–20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07–22–20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.14

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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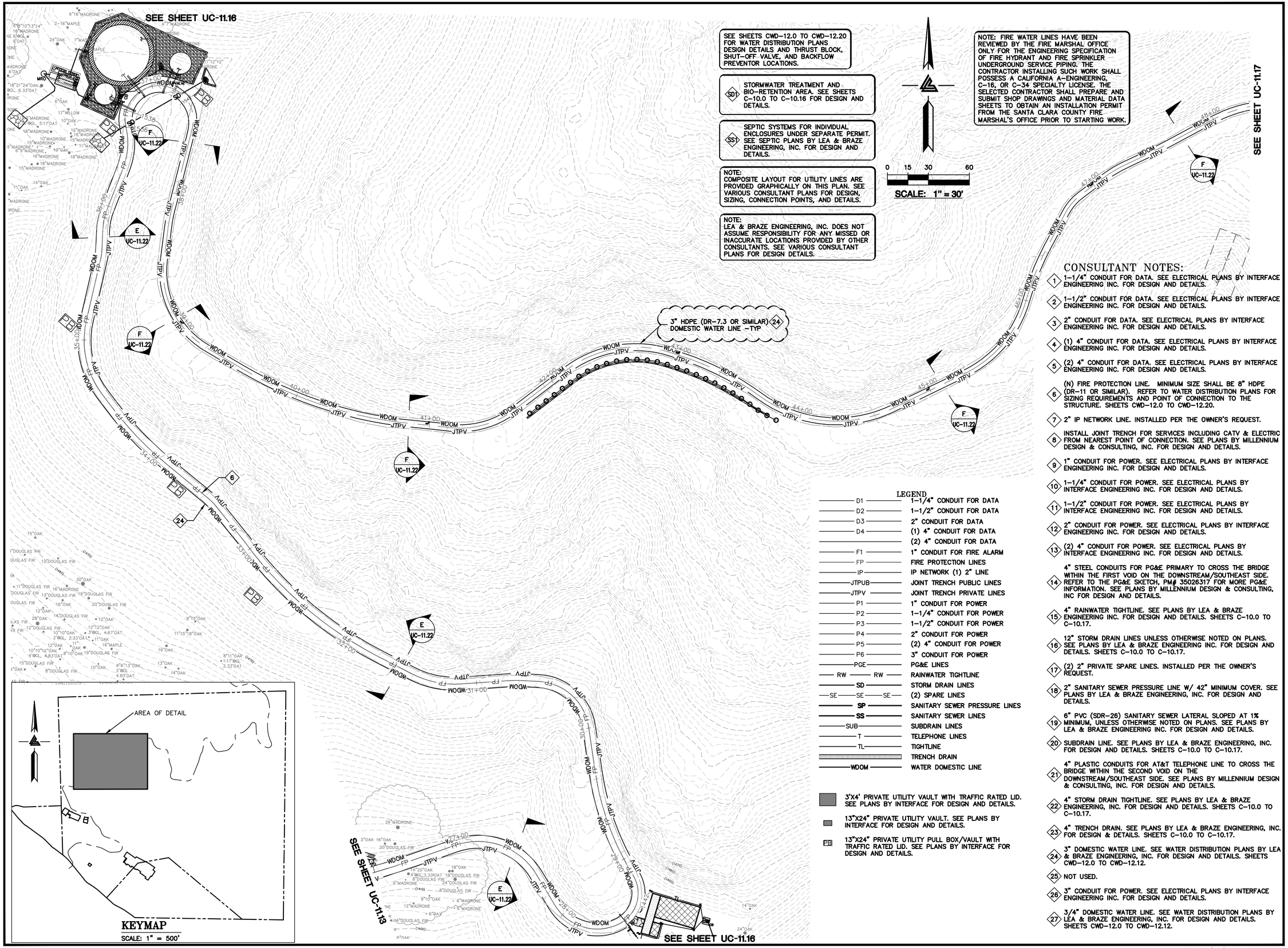

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LEGEND

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D2	1-1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
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3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE
1" = 30'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.15

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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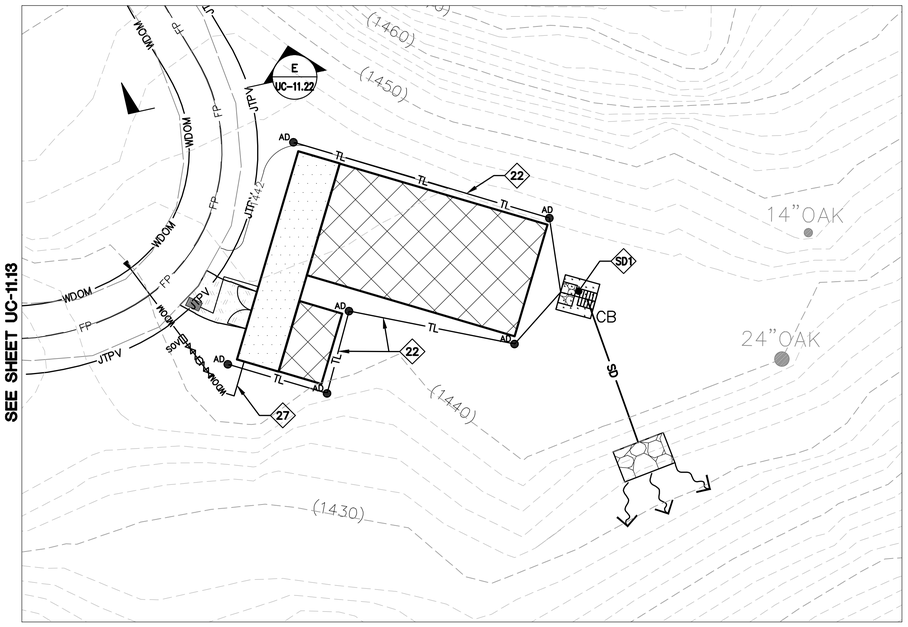
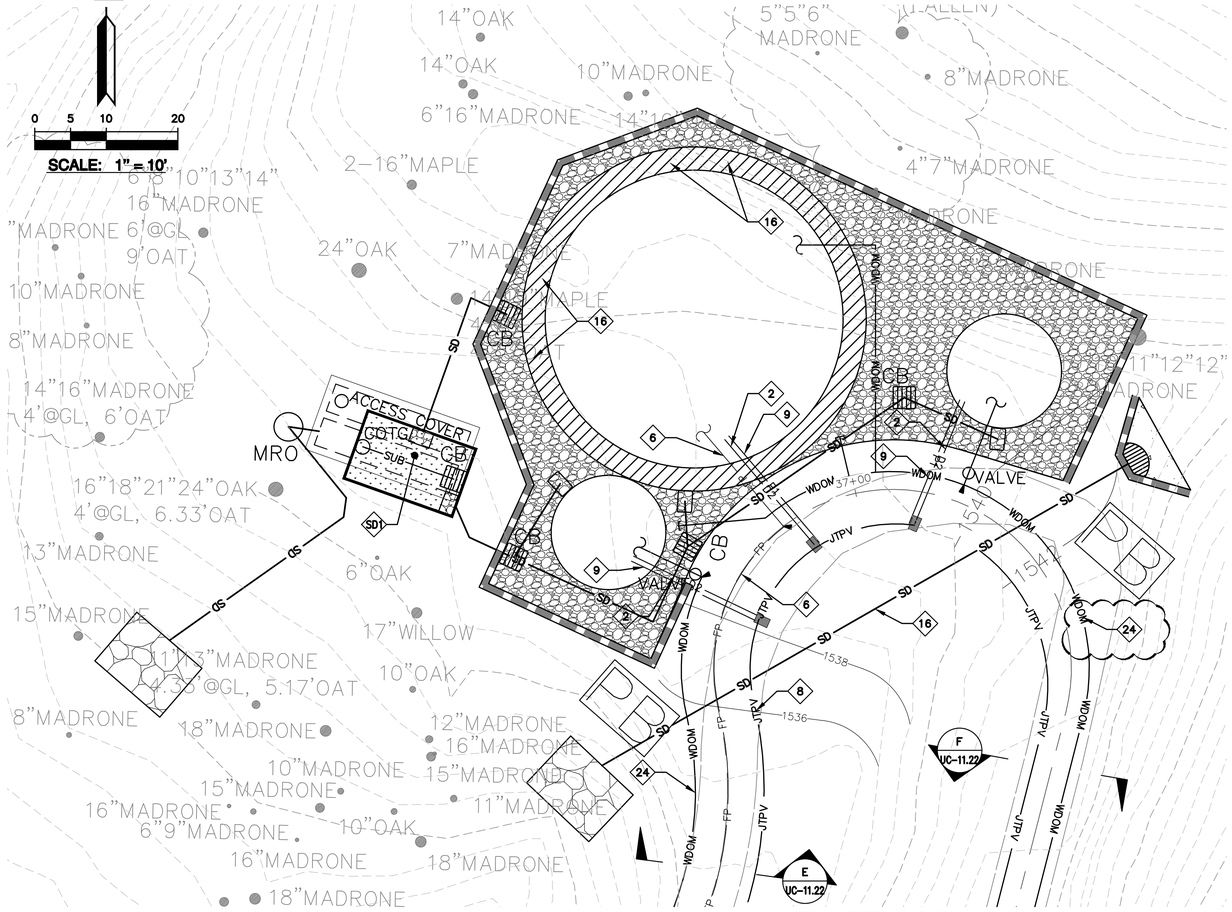
NOTE: FIRE WATER LINES HAVE BEEN REVIEWED BY THE FIRE MARSHAL OFFICE ONLY FOR THE ENGINEERING SPECIFICATION OF FIRE HYDRANT AND FIRE SPRINKLER UNDERGROUND SERVICE PIPING. THE CONTRACTOR INSTALLING SUCH WORK SHALL POSSESS A CALIFORNIA A–ENGINEERING, C–16, OR C–34 SPECIALTY LICENSE. THE SELECTED CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND MATERIAL DATA SHEETS TO OBTAIN AN INSTALLATION PERMIT FROM THE SANTA CLARA COUNTY FIRE MARSHAL'S OFFICE PRIOR TO STARTING WORK.





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T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

SEE SHEETS CWD–12.0 TO CWD–12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT–OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO–RETENTION AREA. SEE SHEETS C–10.0 TO C–10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

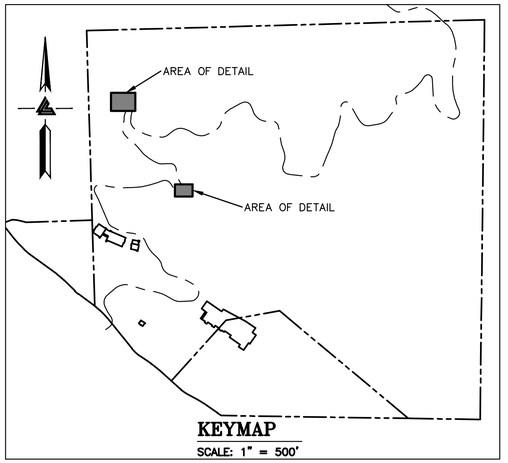
NOTE:
COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

NOTE:
LEA & BRAZE ENGINEERING, INC. DOES NOT ASSUME RESPONSIBILITY FOR ANY MISSED OR INACCURATE LOCATIONS PROVIDED BY OTHER CONSULTANTS. SEE VARIOUS CONSULTANT PLANS FOR DESIGN DETAILS.

3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

PB 13"X24" PRIVATE UTILITY PULL BOX/VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.



KEYMAP
SCALE: 1" = 500'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLISLE
No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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09–20–19	CONSTRUCTION SET 1
01–28–20	PERMIT MODIFICATION 2
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UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER

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PLOT: 2/16/2021 12:54:21 PM

SEE PLANS BY SCHAAF & WHEELER FOR CONTINUATION ONTO ADJACENT PROPERTY

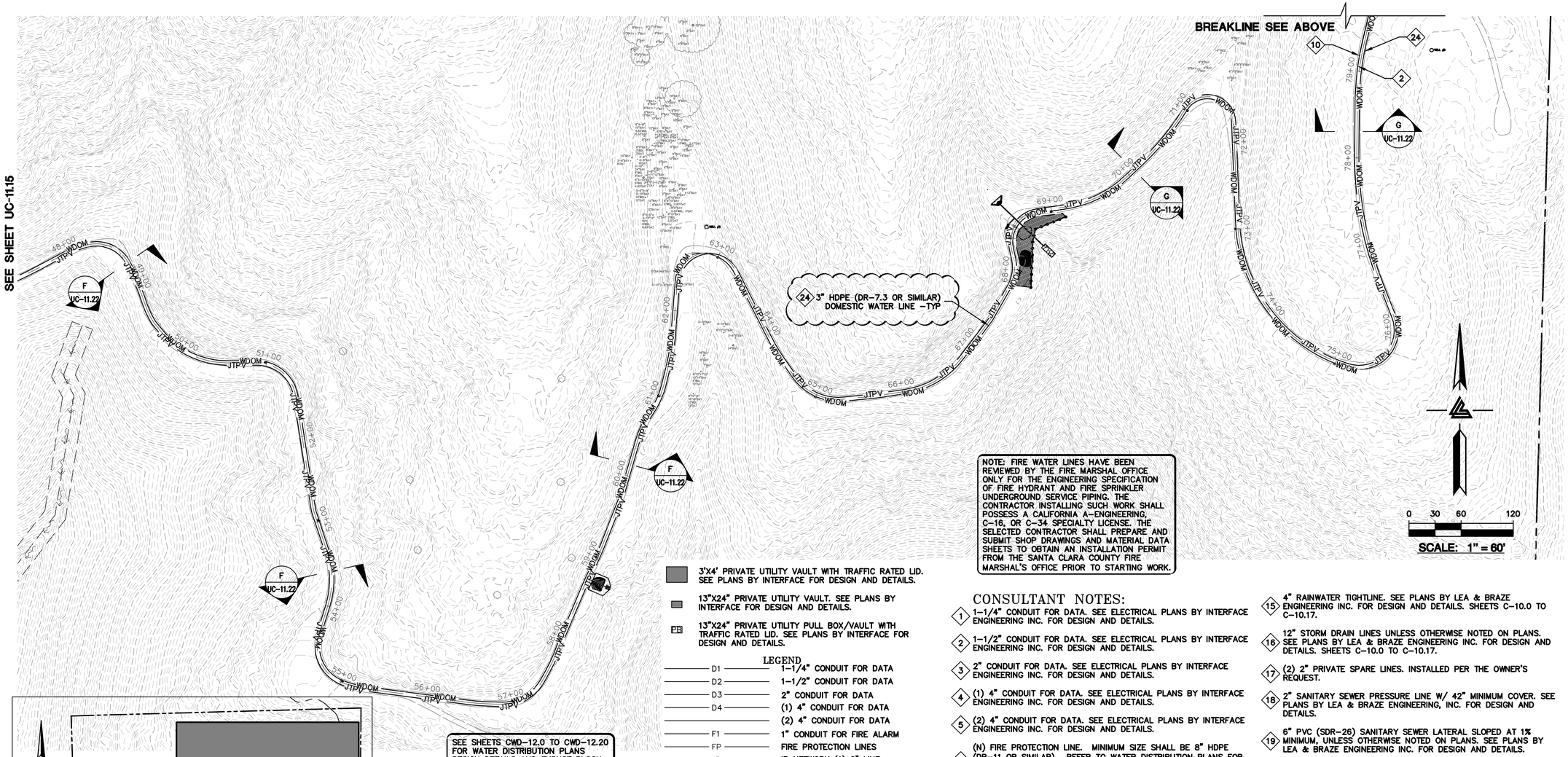
CONSERVATION CENTER PROPERTY

INSTALL (N) 2-1/2" HYDRANT -DESIGN & DETAILS BY OTHERS

BREAKLINE SEE BELOW

BREAKLINE SEE ABOVE

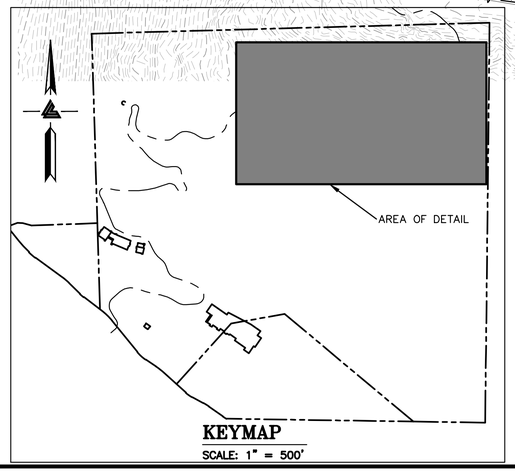
SEE SHEET UC-11.15



NOTE: FIRE WATER LINES HAVE BEEN REVIEWED BY THE FIRE MARSHAL OFFICE ONLY FOR THE ENGINEERING SPECIFICATION OF FIRE HYDRANT AND FIRE SPRINKLER UNDERGROUND SERVICE PIPING. THE CONTRACTOR INSTALLING SUCH WORK SHALL POSSESS A CALIFORNIA A-ENGINEERING, C-16, OR C-34 SPECIALTY LICENSE. THE SELECTED CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND MATERIAL DATA SHEETS TO OBTAIN AN INSTALLATION PERMIT FROM THE SANTA CLARA COUNTY FIRE MARSHAL'S OFFICE PRIOR TO STARTING WORK.

0 30 60 120

SCALE: 1" = 60'



KEYMAP

SCALE: 1" = 500'

SEE SHEETS CWD-12.0 TO CWD-12.20 FOR WATER DISTRIBUTION PLANS DESIGN DETAILS AND THRUST BLOCK, SHUT-OFF VALVE, AND BACKFLOW PREVENTOR LOCATIONS.

SD1 STORMWATER TREATMENT AND BIO-RETENTION AREA. SEE SHEETS C-10.0 TO C-10.16 FOR DESIGN AND DETAILS.

SS1 SEPTIC SYSTEMS FOR INDIVIDUAL ENCLOSURES UNDER SEPARATE PERMIT. SEE SEPTIC PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.

NOTE:
COMPOSITE LAYOUT FOR UTILITY LINES ARE PROVIDED GRAPHICALLY ON THIS PLAN. SEE VARIOUS CONSULTANT PLANS FOR DESIGN, SIZING, CONNECTION POINTS, AND DETAILS.

NOTE:
LEA & BRAZE ENGINEERING, INC. DOES NOT ASSUME RESPONSIBILITY FOR ANY MISSED OR INACCURATE LOCATIONS PROVIDED BY OTHER CONSULTANTS. SEE VARIOUS CONSULTANT PLANS FOR DESIGN DETAILS.

3'X4' PRIVATE UTILITY VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

13"X24" PRIVATE UTILITY VAULT. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

PB 13"X24" PRIVATE UTILITY PULL BOX/VAULT WITH TRAFFIC RATED LID. SEE PLANS BY INTERFACE FOR DESIGN AND DETAILS.

LEGEND

D1	1-1/4" CONDUIT FOR DATA
D2	1-1/2" CONDUIT FOR DATA
D3	2" CONDUIT FOR DATA
D4	(1) 4" CONDUIT FOR DATA
	(2) 4" CONDUIT FOR DATA
F1	1" CONDUIT FOR FIRE ALARM
FP	FIRE PROTECTION LINES
IP	IP NETWORK (1) 2" LINE
JTPUB	JOINT TRENCH PUBLIC LINES
JTPV	JOINT TRENCH PRIVATE LINES
P1	1" CONDUIT FOR POWER
P2	1-1/4" CONDUIT FOR POWER
P3	1-1/2" CONDUIT FOR POWER
P4	2" CONDUIT FOR POWER
P5	(2) 4" CONDUIT FOR POWER
P6	3" CONDUIT FOR POWER
PGE	PG&E LINES
RW	RAINWATER TIGHTLINE
SD	STORM DRAIN LINES
SE	(2) SPARE LINES
SP	SANITARY SEWER PRESSURE LINES
SS	SANITARY SEWER LINES
SUB	SUBDRAIN LINES
T	TELEPHONE LINES
TL	TIGHTLINE
	TRENCH DRAIN
WDOM	WATER DOMESTIC LINE

CONSULTANT NOTES:

1. 1-1/4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
2. 1-1/2" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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4. (1) 4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
5. (2) 4" CONDUIT FOR DATA. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
6. (N) FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HDPE (DR-11 OR SIMILAR). REFER TO WATER DISTRIBUTION PLANS FOR SIZING REQUIREMENTS AND POINT OF CONNECTION TO THE STRUCTURE. SHEETS CWD-12.0 TO CWD-12.20.
7. 2" IP NETWORK LINE. INSTALLED PER THE OWNER'S REQUEST.
8. INSTALL JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
9. 1" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
10. 1-1/4" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
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14. 4" STEEL CONDUITS FOR PG&E PRIMARY TO CROSS THE BRIDGE WITHIN THE FIRST VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. REFER TO THE PG&E SKETCH, PM# 35026317 FOR MORE PG&E INFORMATION. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC FOR DESIGN AND DETAILS.
15. 4" RAINWATER TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
16. 12" STORM DRAIN LINES UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
17. (2) 2" PRIVATE SPARE LINES. INSTALLED PER THE OWNER'S REQUEST.
18. 2" SANITARY SEWER PRESSURE LINE W/ 42" MINIMUM COVER. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS.
19. 6" PVC (SDR-26) SANITARY SEWER LATERAL SLOPED AT 1% MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS BY LEA & BRAZE ENGINEERING INC. FOR DESIGN AND DETAILS.
20. SUBDRAIN LINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
21. 4" PLASTIC CONDUITS FOR AT&T TELEPHONE LINE TO CROSS THE BRIDGE WITHIN THE SECOND VOID ON THE DOWNSTREAM/SOUTHEAST SIDE. SEE PLANS BY MILLENNIUM DESIGN & CONSULTING, INC. FOR DESIGN AND DETAILS.
22. 4" STORM DRAIN TIGHTLINE. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS C-10.0 TO C-10.17.
23. 4" TRENCH DRAIN. SEE PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN & DETAILS. SHEETS C-10.0 TO C-10.17.
24. 3" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.
25. NOT USED.
26. 3" CONDUIT FOR POWER. SEE ELECTRICAL PLANS BY INTERFACE ENGINEERING INC. FOR DESIGN AND DETAILS.
27. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — WALTER CARLISLE — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS - LAND SURVEYORS
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3017 DOUGLAS BLVD. # 300
ROSEVILLE, CA 95661
(P) (916)966-1338
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
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01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 60'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.17

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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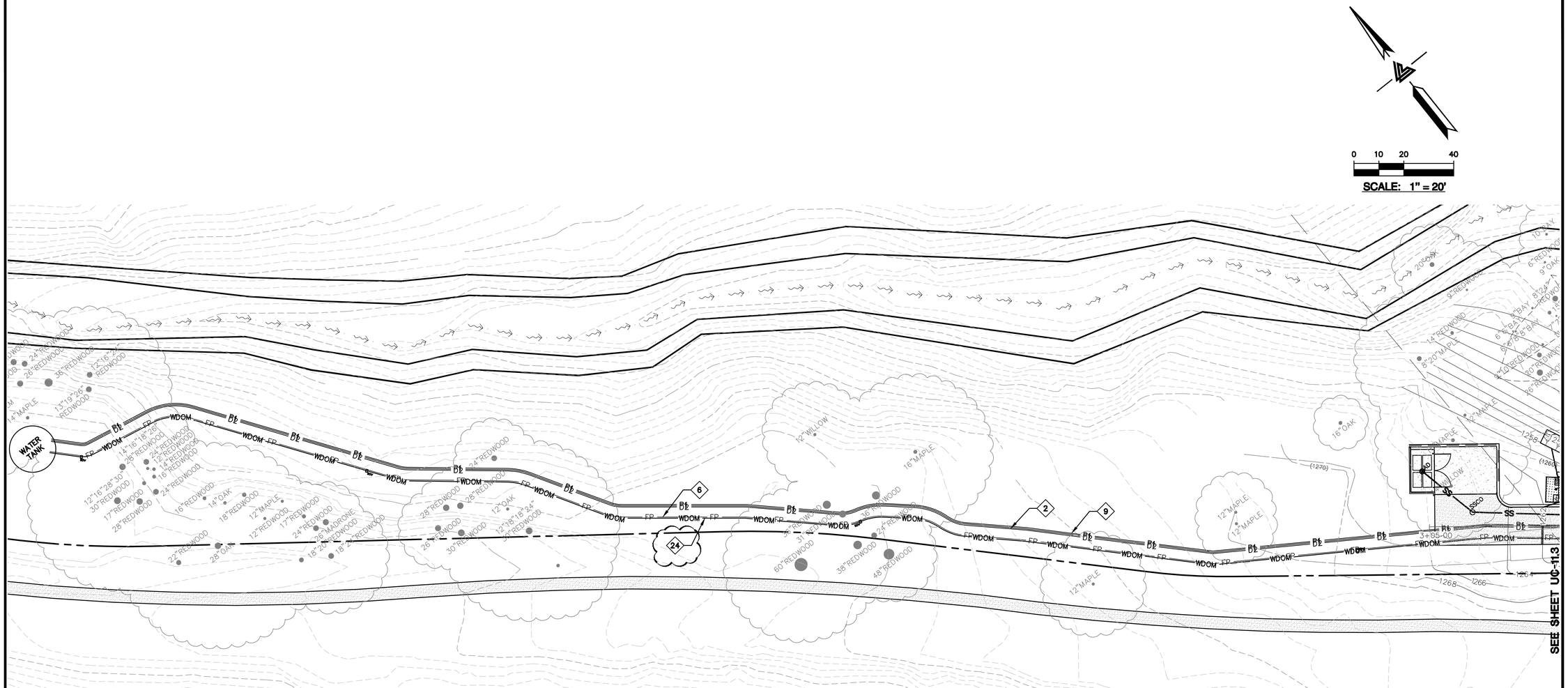
PLOT: 2/16/2021 12:56:03 PM



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PLOT: 2/16/2021 12:57:14 PM

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — WALTER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
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12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.18

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

Updated Separation Requirements For Conduit in Joint Trench

WHAT YOU NEED TO KNOW

Utility Standard S5453, "Joint Trench," Exhibit B, currently shows:

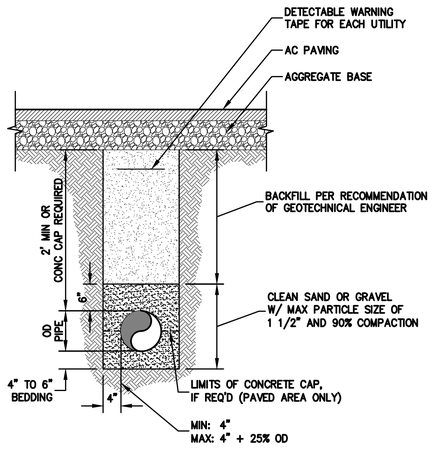
MINIMUM SEPARATION AND CLEARANCE REQUIREMENTS			G	DUCT T	DB T	C	S	P
G	(GAS) SEE NOTES 4, 7 & 13		—	12"	12"	12"	6"	12"
T	(TELEPHONE) DUCT		12"	—	1"	1"	12"	12"
T	(TELEPHONE)	DIRECT BURY	12"	1"	—	1"	12"	12"
C	(CATV)		12"	1"	1"	—	12"	12"
S	(ELECTRIC SECONDARY)		6"	12"	12"	12"	—	3"
P	(ELECTRIC PRIMARY)		12"	12"	12"	12"	3"	—
SL	(STREETLIGHT)	SEE NOTE 5	6"	12"	12"	12"	1"	3"

Utility Standard S5453, "Joint Trench," Exhibit B, is updated per this bulletin as follows:

MINIMUM SEPARATION AND CLEARANCE REQUIREMENTS (inches)		G	DUCT T	DB T	C	S	P	SL
G	(GAS) SEE NOTES 4,7, & 13	-	12	12	12	6	12	6
T	(TELEPHONE) DUCT	12	-	1	1	12	12	12
T	(TELEPHONE) DIRECT BURY	12	1	-	1	12	12	12
C	(CATV)	12	1	1	-	12	12	12
S	(ELECTRIC SECONDARY)	6	12	12	12	1.5	3	1.5
P	(ELECTRIC PRIMARY)	12	12	12	12	3	3	3
SL	(STREETLIGHT) SEE NOTE 5	6	12	12	12	1.5	3	1.5
FE*	(FOREIGN ELECTRIC SOURCES, NON-PG&E*) SEE NOTE 5	12	12**	12**	12**	12	12	12

*Must be considered a "Utility" as defined in Utility Standard S5453, "Joint Trench."
Notes 4, 5, 7, and 13 are located in Utility Standard S5453, Exhibit B, "Joint Trench Configurations and Occupancy Guide."
**For exceptions, refer to G.O. 128 rule, Section B, Items (1) and (2).

PRIVATE UTILITY



PIPELINE BACKFILL
NTS

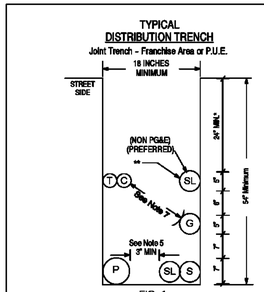
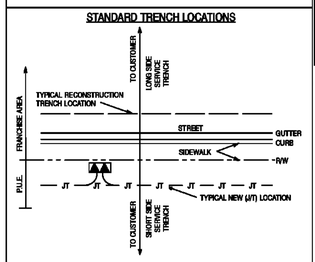


FIG. 1

Placement of the Distribution Trench within a P.U.E. is the preferred method. Trenching in the Franchise Area should only be used when a P.U.E. is uncobtainable or otherwise infeasible.
* Increase cover to 30" in the street area (see Note 3).
** Separation must be 12" unless a reduction (6") is mutually agreed upon by affected utilities.



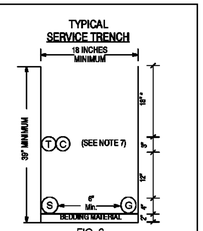


FIG. 2
(View facing Distribution Trench)

MINIMUM SEPARATION AND CLEARANCE REQUIREMENTS			G	DUCT T	DB T	C	S	P
G	(GAS) SEE NOTES 4, 7 & 13		—	12"	12"	12"	6"	12"
T	(TELEPHONE) DUCT		12"	—	1"	1"	12"	12"
T	(TELEPHONE)	DIRECT BURY	12"	1"	—	1"	12"	12"
C	(CATV)		12"	1"	1"	—	12"	12"
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P	(ELECTRIC PRIMARY)		12"	12"	12"	12"	3"	—
SL	(STREETLIGHT)	SEE NOTE 5	6"	12"	12"	12"	1"	3"

SEPARATION AND CLEARANCE DEFINITIONS

Cover:
The term "cover" means the radial distance between the surface of an underground cable, conduit, pipe, or other substructure and the surface elevation (grade).

Backfill:
The term "backfill" refers to the materials used to refill a cut or other excavation, or the act of such refilling after any needed shading is performed.

Shading:
The term "shading" refers to the materials used to provide a measure of separation between facilities installed at different levels within an excavation or cut.

Lift:
The term "lift" is a layer of fill as spread or as compacted or a measurement of material depth that is the rated effective soil depth a compactor can achieve.

Bedding:
The term "bedding" refers to the materials installed beneath facilities at the bottom of a cut or other excavation and intended to provide support and/or protection for those facilities.

JOINT TRENCH CONFIGURATIONS & OCCUPANCY GUIDE 09-27-06

PRIVATE UTILITY

OTHER TYPICAL PG&E DISTRIBUTION JOINT TRENCH CONFIGURATIONS

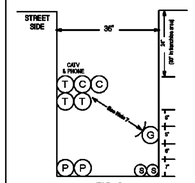

FIG. 3
36" Wide Joint Trench

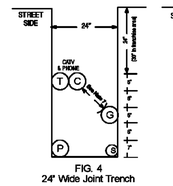

FIG. 4
24" Wide Joint Trench

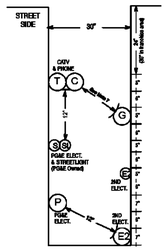

FIG. 5
Joint Trench With Second Electric Utility

Trench Configuration Notes

The trench configurations shown in this guide are to be considered "typical" only and that other trench widths, depths, as well as utility configurations (placement) may be used, provided all minimum requirements for separation, clearances, and cover are observed. In no case shall electric primary or secondary (excluding street lighting) be placed at a level higher than that of the gas and communications level. Gas shall be placed at the same level or below communications when gas is placed above the electric facilities.

JOINT TRENCH CONFIGURATIONS & OCCUPANCY GUIDE 09-27-06

PRIVATE UTILITY

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLTON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
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04-11-19	ASA DELTA 2
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05-10-19	BID SET ADDENDUM 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

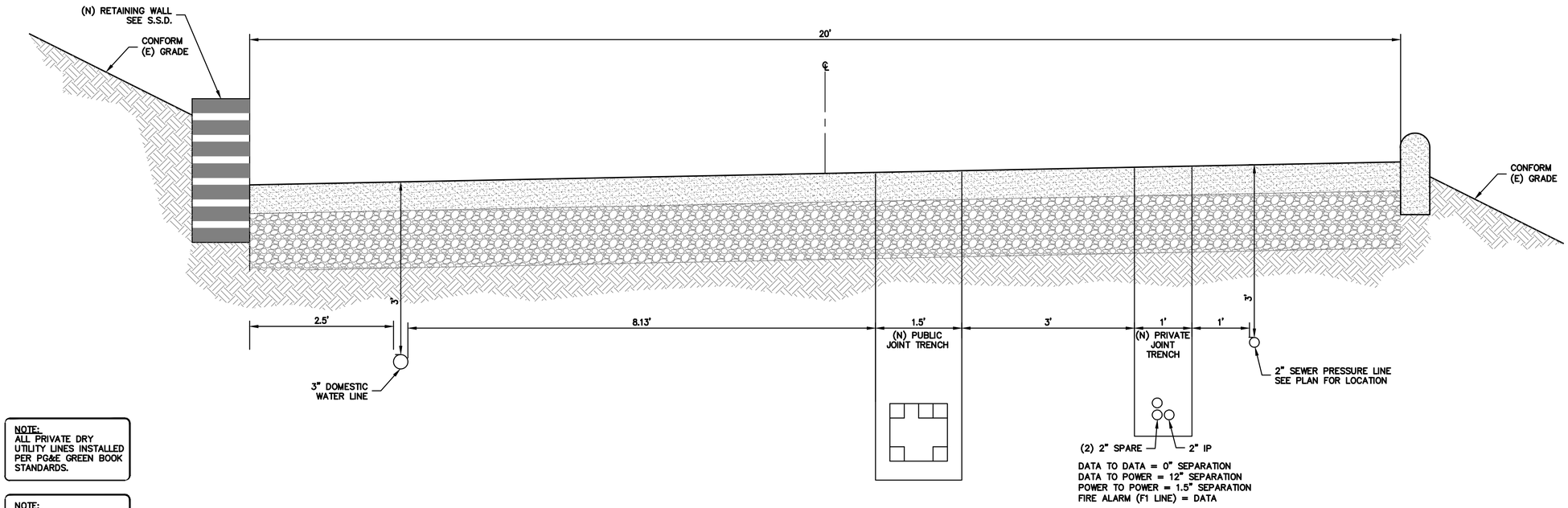
PROJECT NUMBER
16011.00

SHEET TITLE
COMPOSITE UTILITY DETAILS

	SCALE
	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.19

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

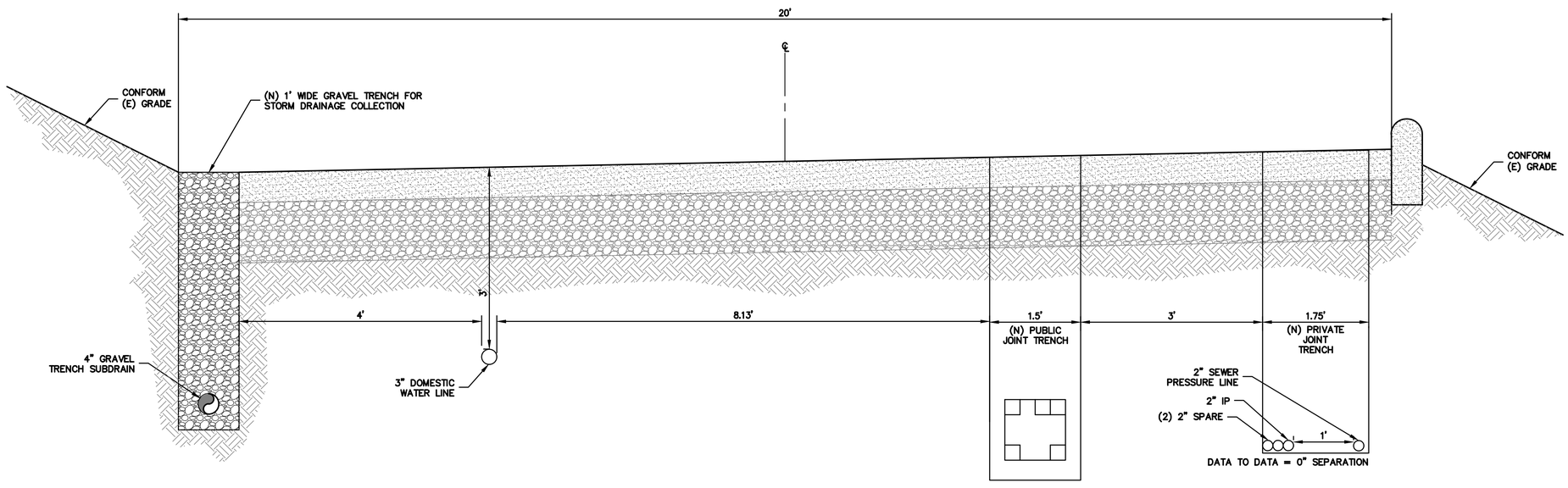


NOTE:
ALL PRIVATE DRY UTILITY LINES INSTALLED PER PG&E GREEN BOOK STANDARDS.

NOTE:
DIMENSIONS ARE GIVEN FROM ℄ TO ℄ OF PIPE. DIMENSIONS TO JOINT TRENCH ARE GIVEN FROM EDGE OF TRENCH TO ℄ OF PIPE.

UTILITY SECTION A

SCALE: 1" = 1' HORIZ & VERT



UTILITY SECTION B

SCALE: 1" = 1' HORIZ & VERT

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CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLINO
No. C79555
CIVIL
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SANTA CLARA COUNTY
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LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
UTILITY SECTIONS

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.20

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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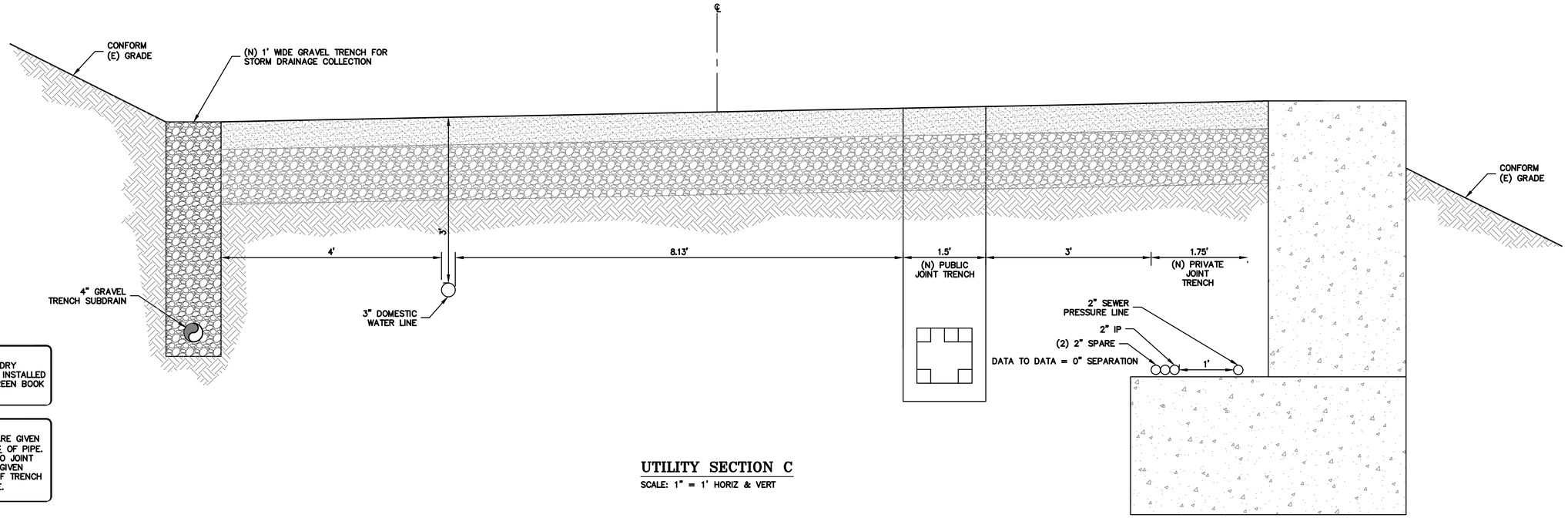

NOTE:
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NOTE:
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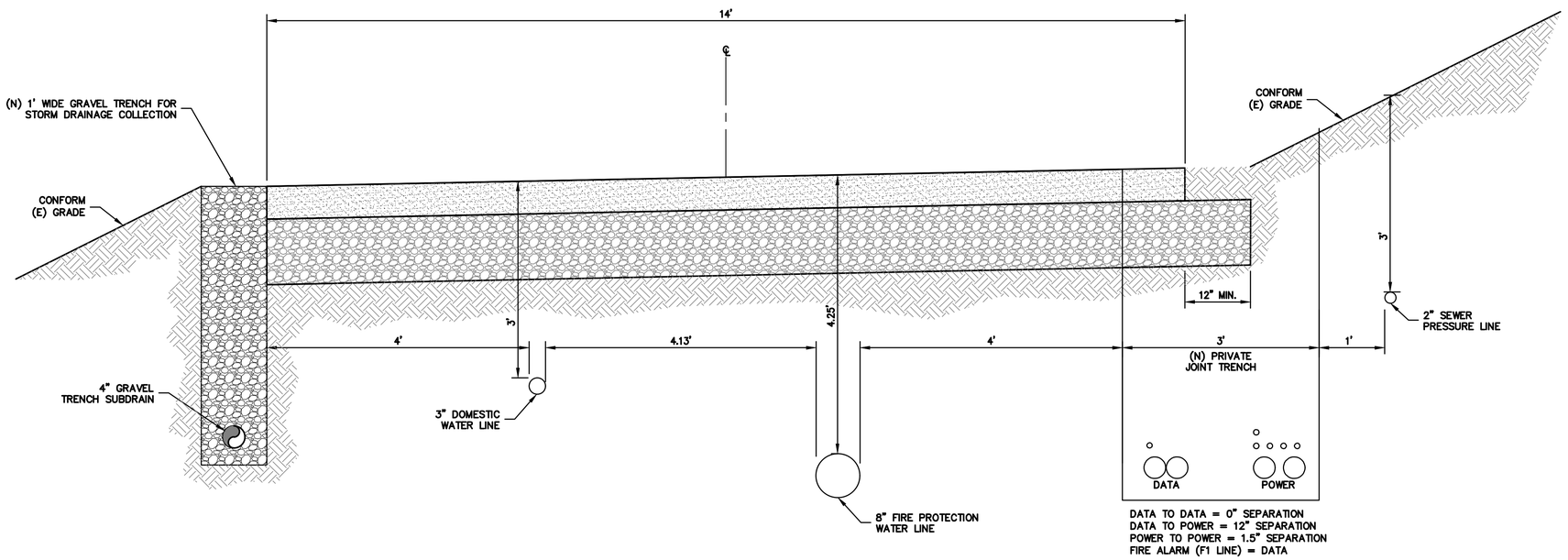
UTILITY SECTION C

SCALE: 1" = 1' HORIZ & VERT



UTILITY SECTION D

SCALE: 1" = 1' HORIZ & VERT

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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
UTILITY SECTIONS

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.21

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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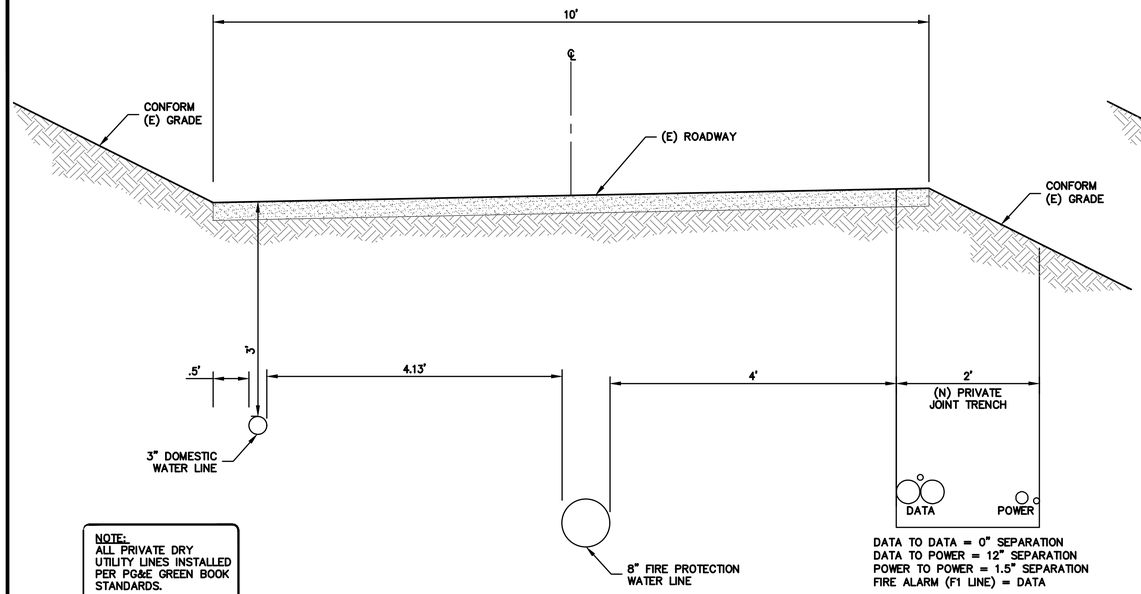

DATA TO DATA = 0" SEPARATION
DATA TO POWER = 12" SEPARATION
POWER TO POWER = 1.5" SEPARATION
FIRE ALARM (F1 LINE) = DATA

NOTE:
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NOTE:
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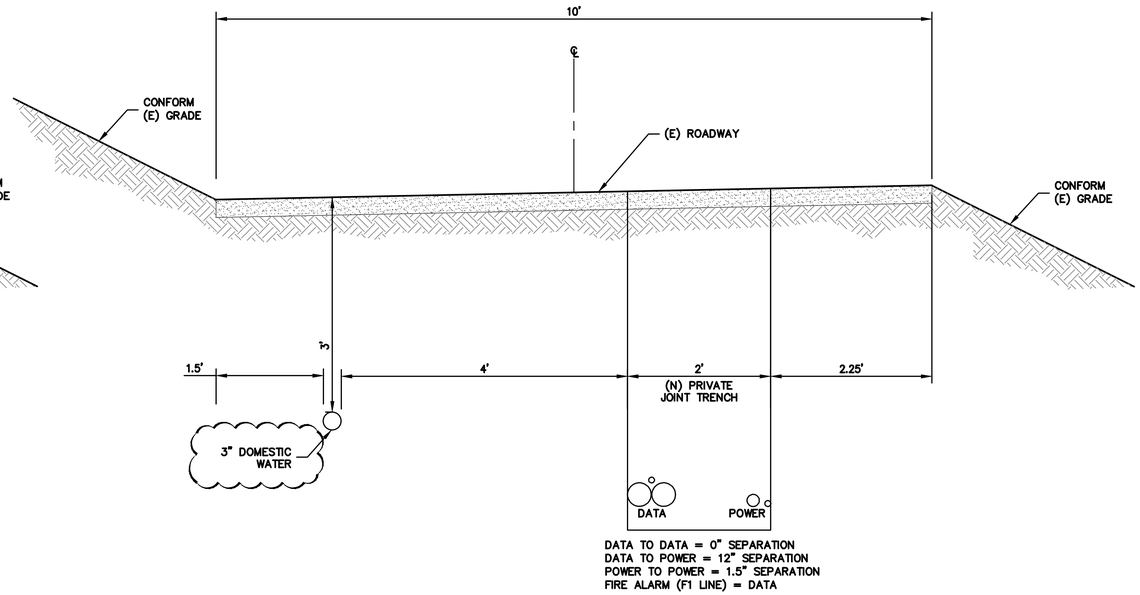
UTILITY SECTION E

SCALE: 1" = 1' HORIZ & VERT



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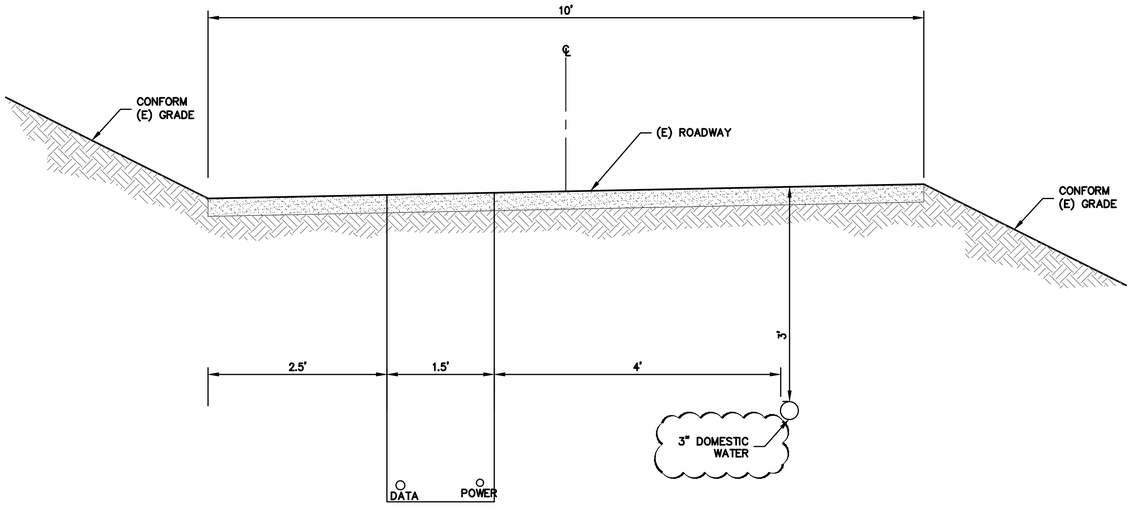
DATA TO POWER = 12" SEPARATION
POWER TO POWER = 1.5" SEPARATION
FIRE ALARM (F1 LINE) = DATA

UTILITY SECTION F

SCALE: 1" = 1' HORIZ & VERT



DATA TO DATA = 0" SEPARATION
DATA TO POWER = 12" SEPARATION
POWER TO POWER = 1.5" SEPARATION
FIRE ALARM (F1 LINE) = DATA

UTILITY SECTION G

SCALE: 1" = 1' HORIZ & VERT

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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
UTILITY SECTIONS

	SCALE
	AS SHOWN
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.22

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

PUMP SYSTEM WORKSHEET

Applicant SF Pacific LLC Date 04/10/2018
Owner SF Pacific LLC File No. 6943-12P-12A-12G-12EIR
Site Address 24103 Congress Springs Dr. City Saratoga APN 503-44-019
Designer (REHS or RCE) Peter Carlino - RCE 79555
Number of bedrooms N/A Total square footage of living space N/A
Septic tank size 4000 gal. Installed drainfield 562 linear ft. Expansion drainfield 562 linear ft.

Elevation of highest drainfield (ft) 1382 ft.
Elevation of pump off (ft) - 1256 ft.
Total lift (Ft Head) = 126 ft. (A)

TIGHT LINE
Diameter of tight line (inches) 1-1/4 in.
Length of tight line from pump to upper drainfield (ft) 1237 ft. (B)

FITTINGS

No. of Fittings		Pipe Length Equivalent (ft) See chart	Total Pipe Equivalent (ft)
___ 90° standard elbow	X		=
5 45° standard elbow	X	3	= 15
6 90° long radius elbow	X	6	= 36
1 other fittings	X	10	= 10
___ gate valve (fully open)	X		=
1 check valve (conventional swing)	x	2	= 2
		TOTAL=	63 (C)

Total Length of Pipe = B + C = 1300 (D)

CALCULATIONS:

Friction Loss in Pipes and Fittings:
(D/100 ft) x .354 (friction loss per chart) = 4.62 (E) Head in Feet

Required Pump Size:
126 (A) + 4.62 (E) = 130.62 (F) Total Pumping Head in Feet

Pump Size:
(F) versus GPM = Pump Size (refer to pump curve)

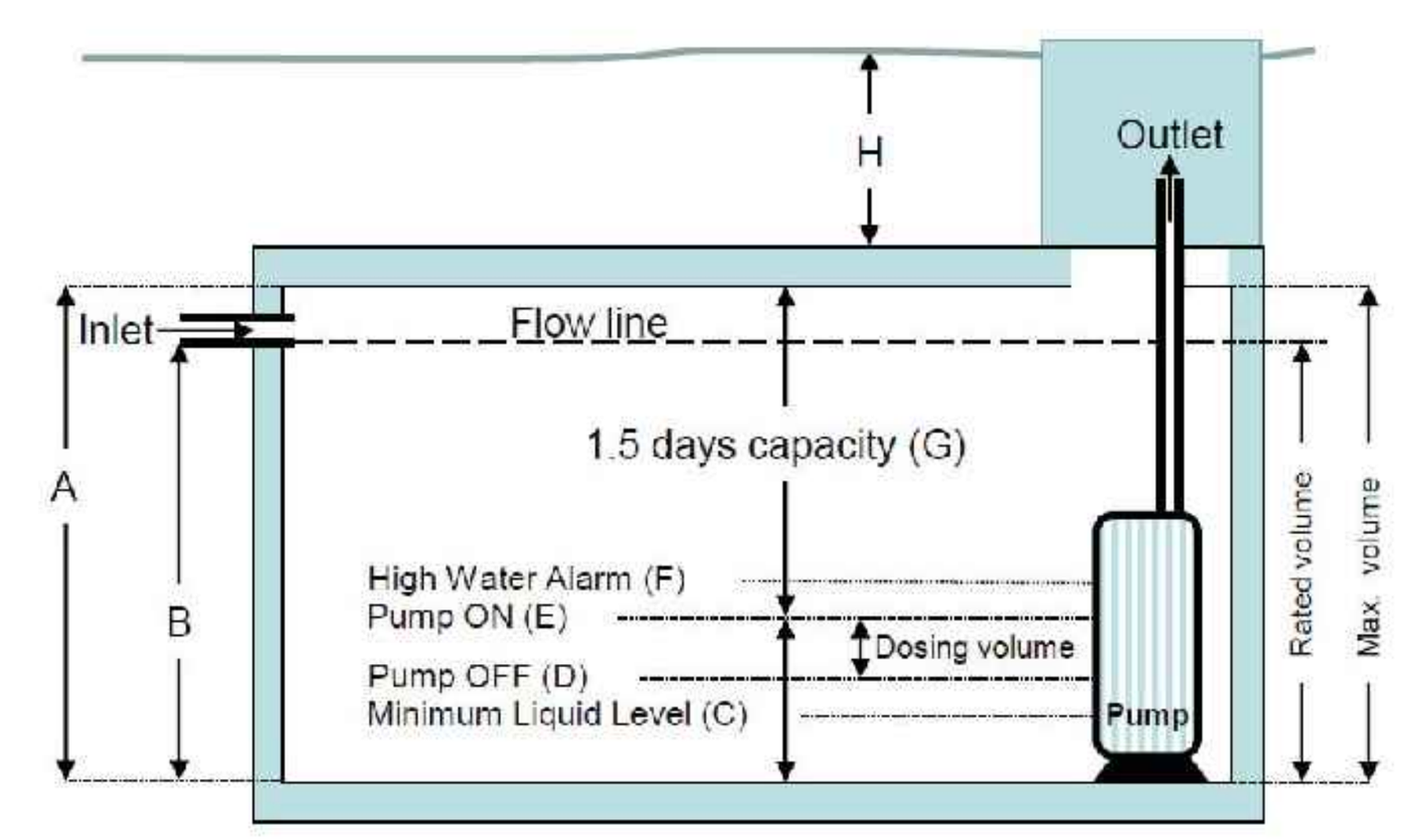
Pump Model: (Attach Pump Curve)
19.2 GPM at 200 (G) (ft of head: from pump curve) Manufacturer/Model Orenco PF3010

Required Capacity in Gallons
Dosing Volume 425 gallons
Storage Capacity (1 ½ days) 3105 gallons
Pump Displacement 19.2 gpm
Volume from tank bottle to pump base 842.88 gallons
Total tank capacity 4000 gallons

Pump Tank Information
Manufacturer Jensen Precast Size 4000 gallons Gallons per inch 52.68 gal/inch

Updated 3/14 5

Pump Tank Diagram
to be included on the design plan



Pump Tank Manufacturer/Model:

A	B	C	D	E	F	G	H
6-9"	5-6"	4"	8"	23"	27"	4'-11"	12"

Updated 3/14 4

Orenco Systems Technical Data Sheet
PF Series 60-Hz, 4-inch (100-mm) Submersible Effluent Pumps

Applications
Our 4-inch (100-mm) Submersible Effluent Pumps are designed to transport screened effluent (with low TSS counts) from septic tanks or separate dosing tanks. All our pumps are constructed of lightweight, corrosion-resistant stainless steel and engineered plastics; all are field-serviceable and repairable with common tools; 60-Hz PF Series models are CSA certified to the U.S. and Canadian safety standards for effluent pumps, meeting UL requirements.

Orenco's Effluent Pumps are used in a variety of applications, including pressurized drainfields, packed bed filters, mounds, aerobic units, effluent irrigation, effluent sewers, wetlands, lagoons, and more. These pumps are designed to be used with a Biotube® pump vault or after a secondary treatment system.



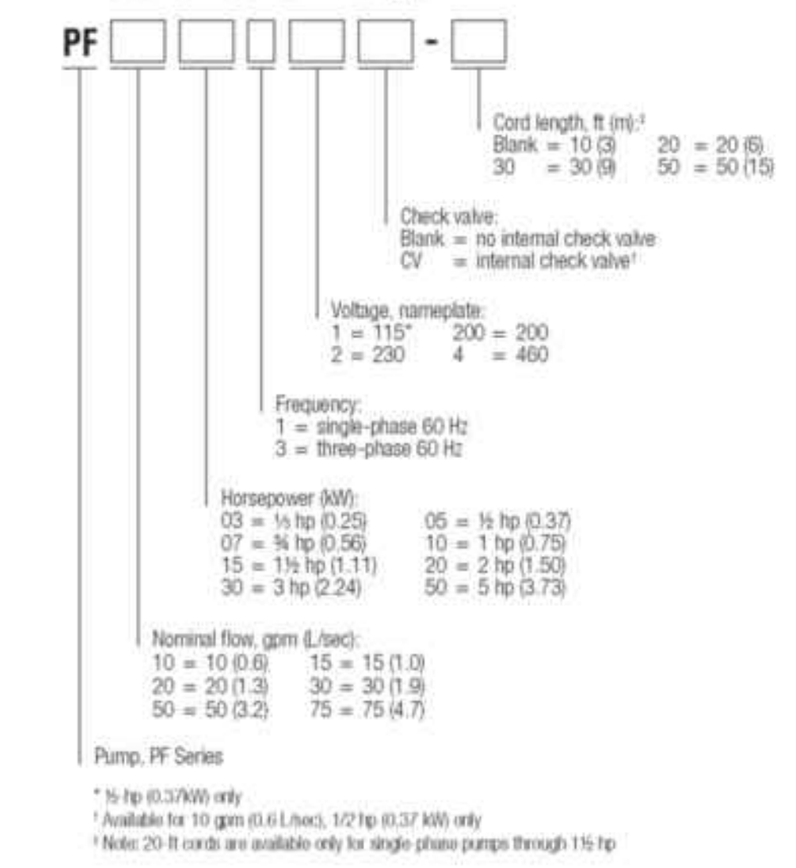
LR80980
LR2053896
Powered by Franklin Electric

Features/Specifications
To specify this pump for your installation, require the following:
- Minimum 24-hour run-dry capability with no deterioration in pump life or performance*
- Patented 1/8-inch (3-mm) bypass orifice to ensure flow recirculation for motor cooling and to prevent air bind
- Liquid end repair kits available for better long-term cost of ownership
- TRI-SEAL™ floating impeller design on 10, 15, 20, and 30 gpm (0.6, 1.0, 1.3, and 1.9 L/sec) models; floating stack design on 50 and 75 gpm (3.2 and 4.7 L/sec) models
- Franklin Electric Super Stainless motor, rated for continuous use and frequent cycling
- Type SOOW 600-V motor cable

* Not applicable for 5-hp (3.73 kW) models

Standard Models
See specifications chart, pages 2-3, for a list of standard pumps. For a complete list of available pumps, call Orenco.

Product Code Diagram



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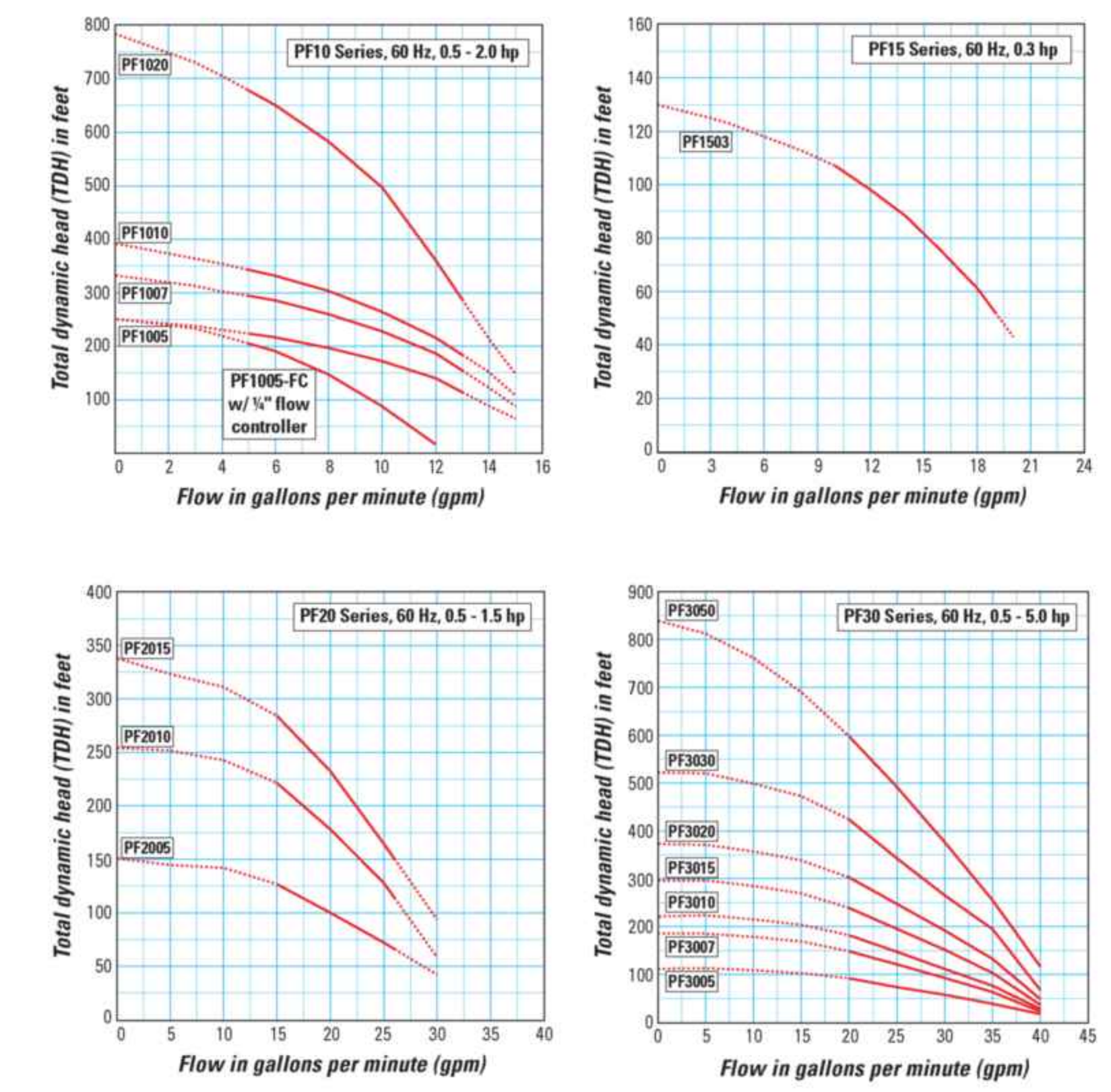
NTD-PU-PF-1 Rev. 5.0, © 03/17 Page 1 of 5

Orenco Systems Technical Data Sheet
Using a Pump Curve
A *pump curve* helps you determine the best pump for your system. Pump curves show the relationship between flow and pressure (total dynamic head, or TDH), providing a graphical representation of a pump's optimal performance range. Pumps perform best at their nominal flow rate. These graphs show optimal pump operation ranges with a solid line and show flow rates outside of these ranges with a dashed line. For the most accurate pump specification, use Orenco's PumpSelect™ software.

Pump Curves



NTD-PU-PF-1 Rev. 5.0, © 03/17 Page 4 of 5
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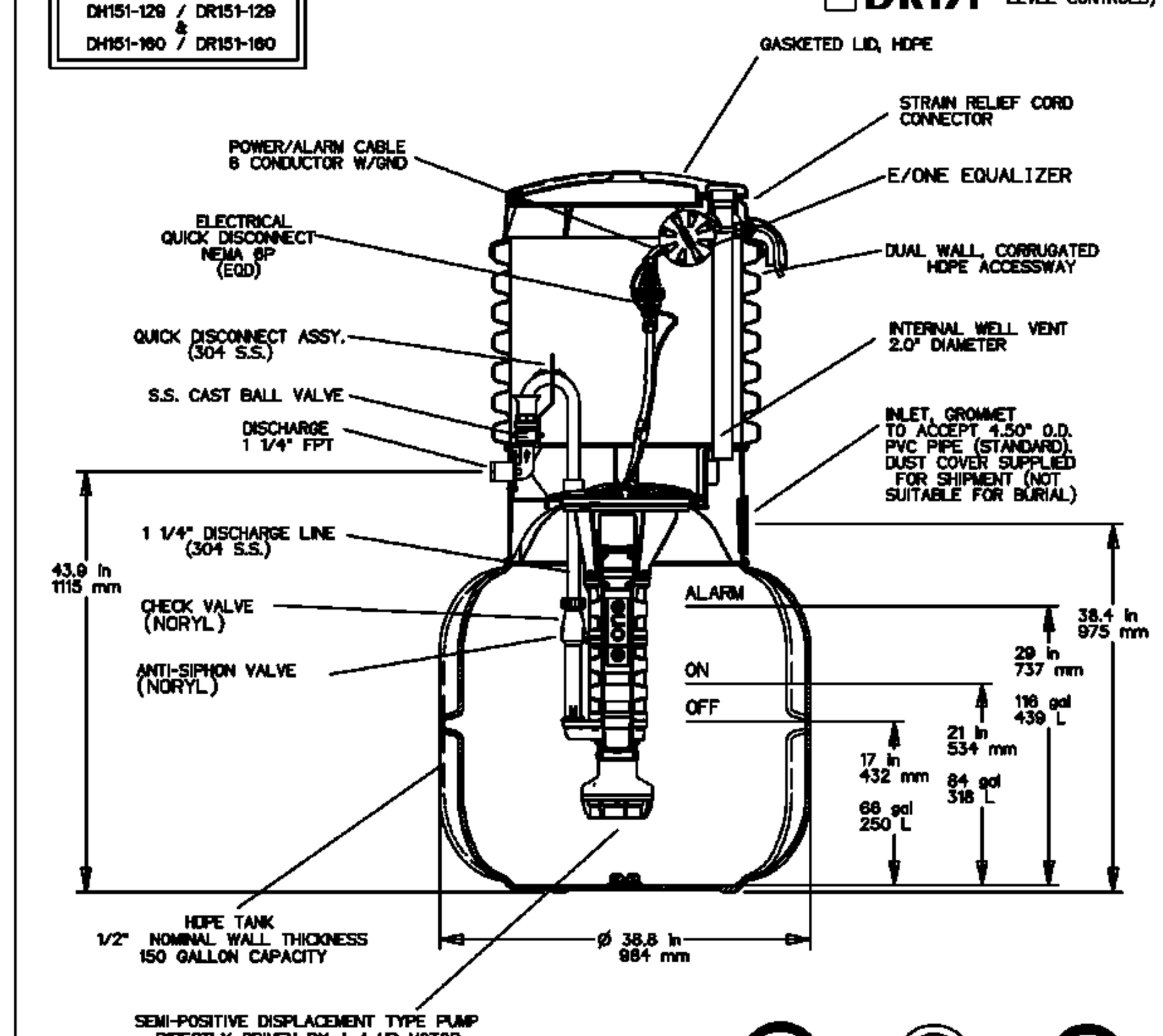
OPTIONS : ☐ DH151 (HARD WIRED LEVEL CONTROLS) ☐ DR151 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH151-129 / DR151-129 & DH151-160 / DR151-160



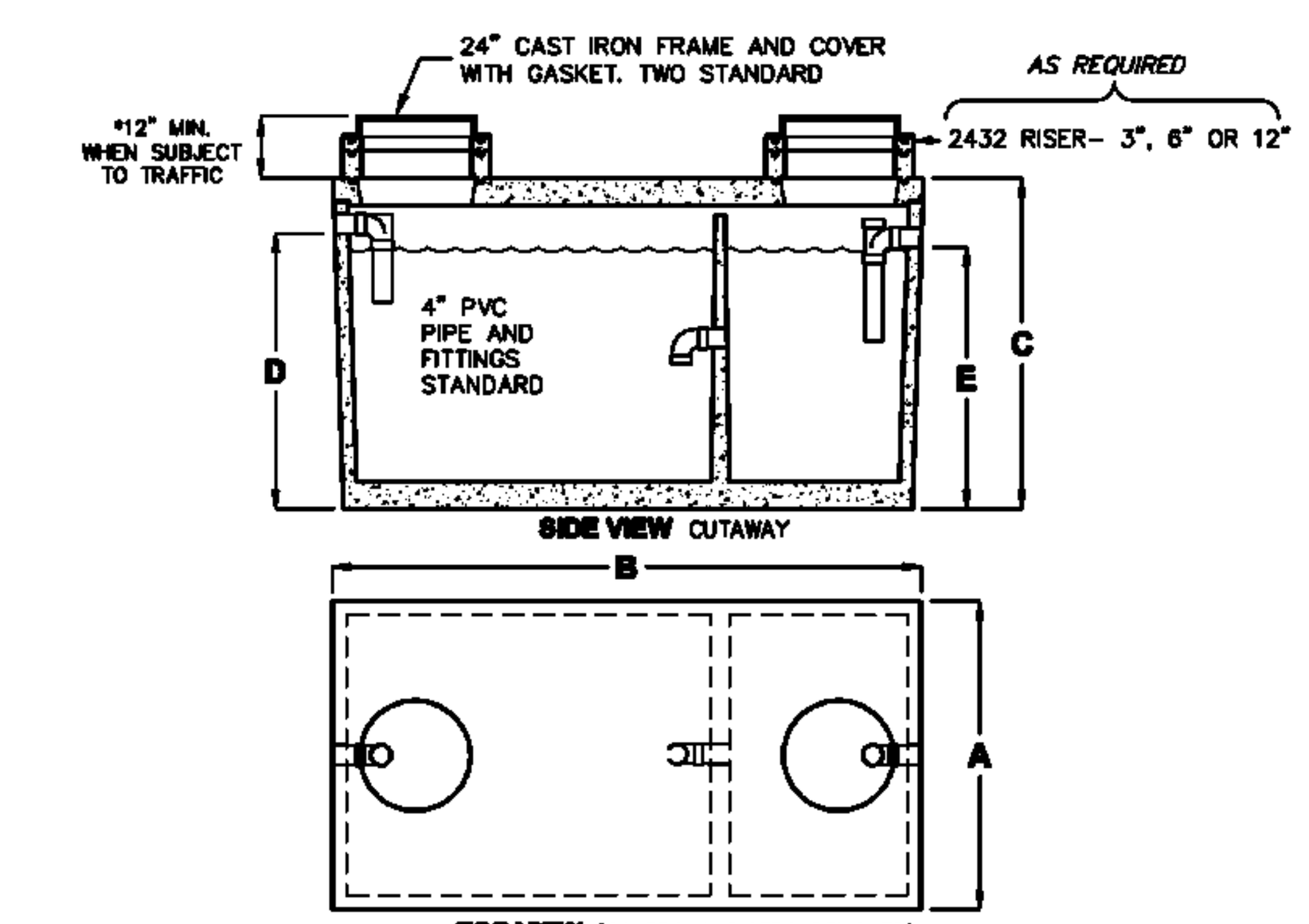
CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

e/one SEWER SYSTEMS
MODEL DH151 / DR151 DETAIL SHEET
NA0051P02

JP750 - JP1500 GALLON COMMERICAL SEPTIC TANKS
TRAFFIC RATED - ACCEPTED BY UPC®



MODEL NUMBER	LIQUID CAPACITY GALLONS	WIDTH 'A'	OVERALL LENGTH 'B'	TANK HEIGHT 'C'	INLET 'D'	OUTLET 'E'	MINIMUM EXCAVATION WIDTH	MINIMUM EXCAVATION LENGTH	* DEPTH OF BURY	TANK WEIGHT LBS.
JP750	750	4'-0"	8'-1"	6'-0"	5'-0"	4'-9"	5'-0"	9'-1"	6' MAX.	9,000
JP1000	1000	5'-1"	8'-2"	6'-0"	5'-0"	4'-9"	6'-1"	9'-2"	6' MAX.	11,000
JP1200	1200	5'-9"	8'-6"	6'-0"	5'-0"	4'-9"	6'-9"	9'-6"	6' MAX.	12,600
JP1500	1500	5'-7"	10'-8"	6'-0"	5'-0"	4'-9"	6'-7"	11'-8"	6' MAX.	14,900

- TANK DESIGNED FOR H-20 TRAFFIC WHEEL LOAD WITH DRY SOIL CONDITIONS – (WATER TABLE BELOW TANK.)
- EXTERIOR AND INTERIOR CONCRETE SURFACES TO BE COATED WITH AN APPROVED BITUMINOUS MATERIAL.
- SUITABLE NATIVE OR SUB-BASE SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS. THE EXCAVATION SHALL BE BEDDED WITH SUITABLE GRANULAR MATERIAL AND SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY, OR TO REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER.
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

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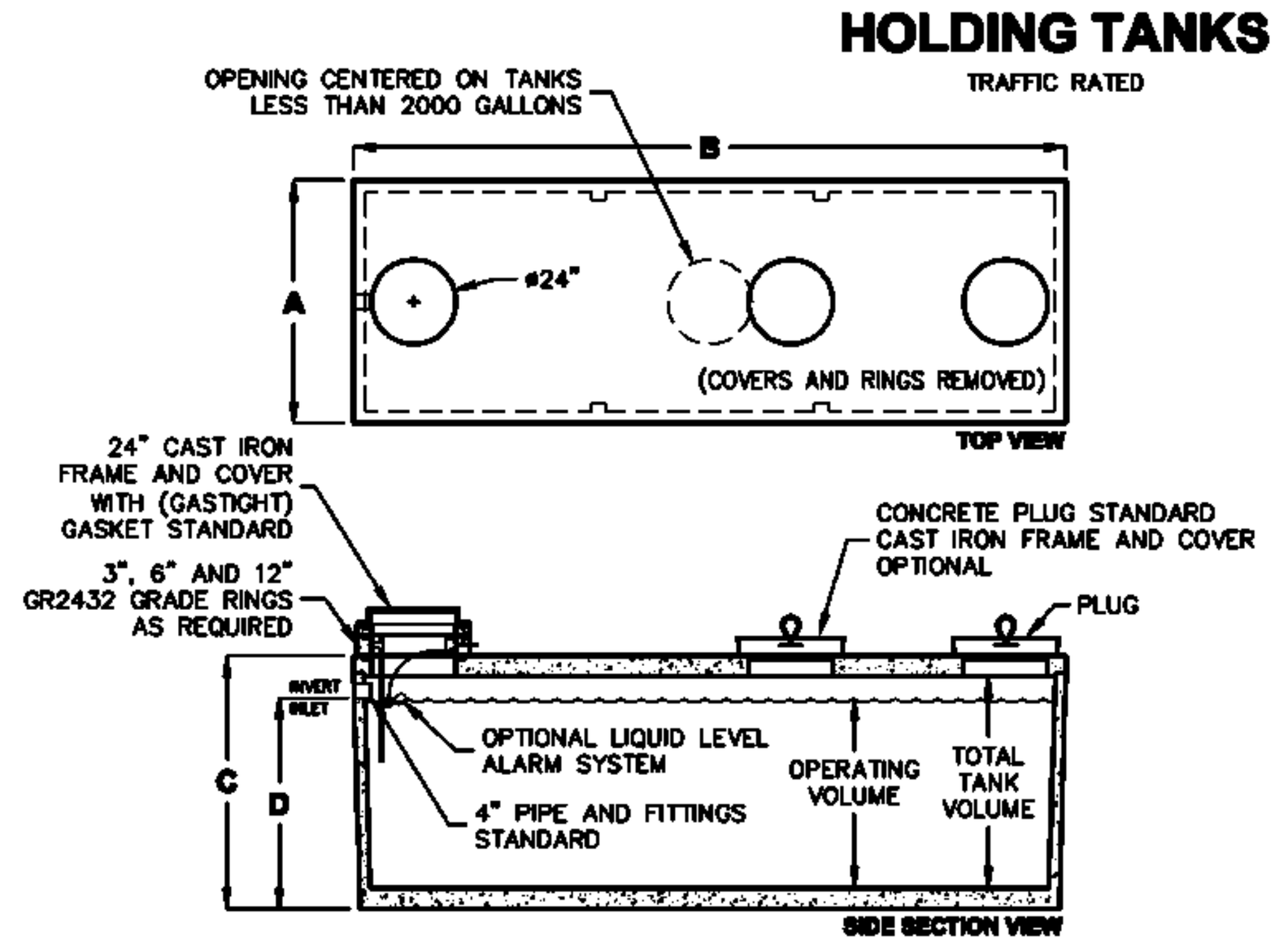
750-5000 GALLON HOLDING TANKS
TRAFFIC RATED



MODEL NUMBER	OPERATING VOLUME (GALLONS)	TOTAL VOLUME (GALLONS)	DIM A	DIM B	DIM C	DIM D	MINIMUM EXCAVATION WIDTH	MINIMUM EXCAVATION LENGTH	DEPTH OF BURY
HP750-EPP	750	924	4'-3"	8'-1"	6'-3"	5'-0"	5'-3"	9'-1"	1' TO 6'
HP1000-EPP	1000	1240	5'-4"	8'-2"	6'-3"	5'-0"	6'-4"	9'-2"	1' TO 6'
HP1200-EPP	1200	1485	6'-0"	8'-6"	6'-6"	5'-0"	7'-0"	9'-6"	1' TO 6'
HP1500-EPP	1500	1870	5'-10"	10'-8"	6'-3"	5'-0"	6'-10"	11'-8"	1' TO 6'
HP2000-EPP	2000	2424	4'-11"	15'-11"	6'-0"	5'-0"	5'-11"	16'-11"	1' TO 6'
HZ2500-EPP	2500	3066	5'-9"	16'-10"	6'-0"	5'-0"	6'-9"	17'-10"	1' TO 5'
HZ3000-EPP	3000	3526	5'-9"	16'-10"	6'-9"	5'-9"	6'-9"	17'-10"	1' TO 5'
HZ4000-EPP	4000	4851	7'-8"	16'-7"	6'-9"	5'-6"	8'-8"	17'-7"	1' TO 5'
HZ5000-EPP	5000	5750	7'-8"	16'-7"	7'-11"	6'-9"	8'-8"	17'-7"	1' TO 4'

NOT RECOMMENDED FOR POTABLE WATER OR ABOVE GROUND USE.

DESIGN LOAD: H-20 TRAFFIC WITH DRY SOIL CONDITIONS (WATER LEVEL BELOW TANK.)

SUITABLE SUB-BASE BEDDED WITH GRANULAR MATERIAL SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS.

FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

2/1/08
HP750-HZ5000_TRF_NOCAL_A.dwg
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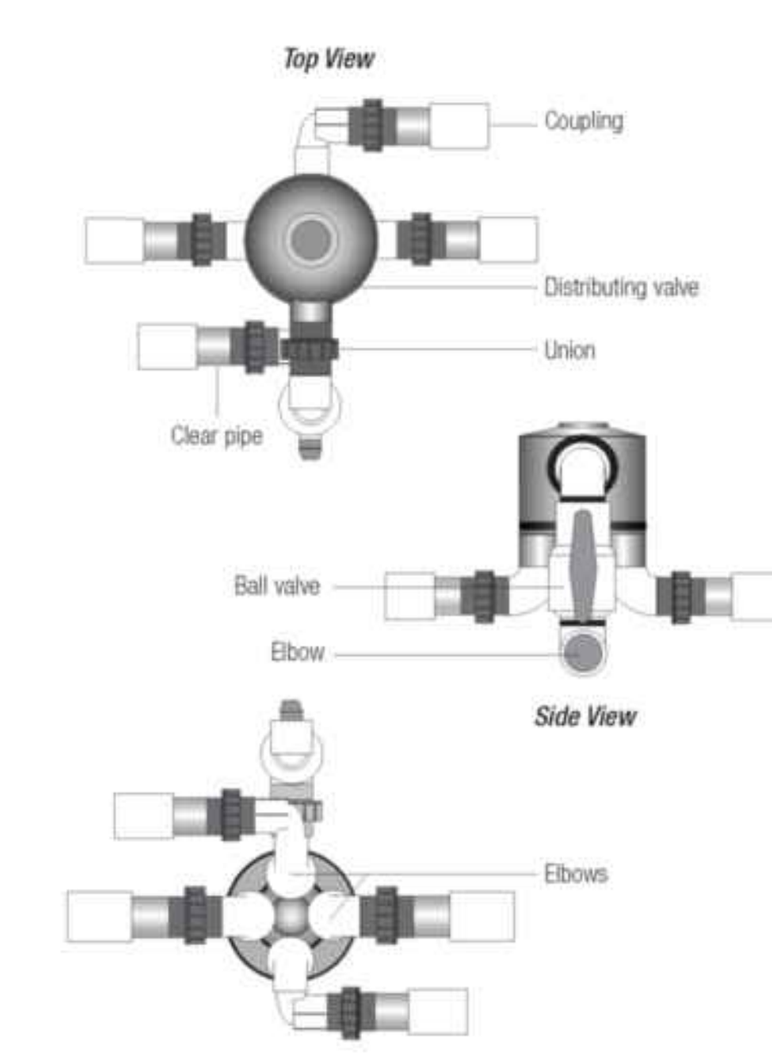
JENSEN PRECAST

Orenco Systems Technical Data Sheet
Distributing Valves

Applications
Automatic Distributing Valve Assemblies are used to pressurize multiple zone distribution systems including textile filters, sand filters and drainfields.

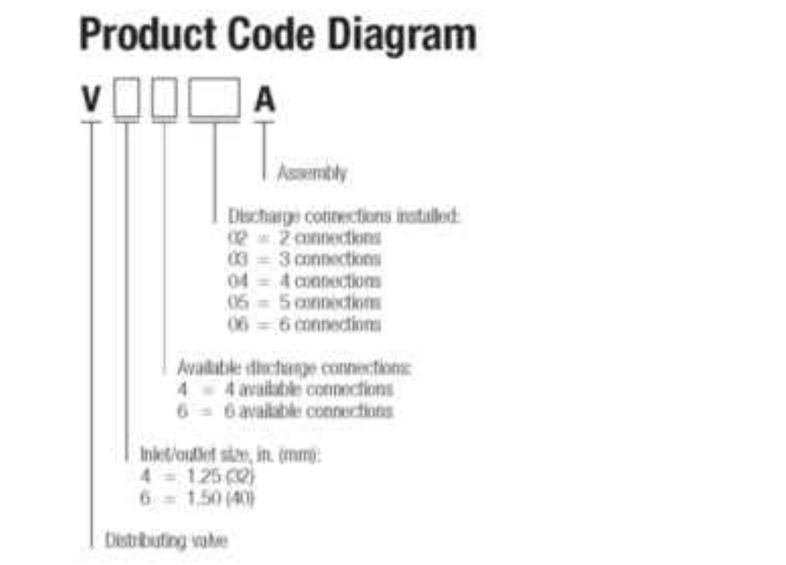


General
Orenco's Automatic Distributing Valve Assemblies are mechanically operated and sequentially redirect the pump's flow to multiple zones or cells in a distribution field. Valve actuation is accomplished by a combination of pressure and flow. They allow the use of smaller horsepower pumps on large sand filters and drainfields. For example, a large community drainfield requiring 300 gpm (18.90L/sec) can use a six-line valve assembly to reduce the pump flow rate requirement to only 50 gpm (3.14L/sec).

Orenco only warrants Automatic Distributing Valves when used in conjunction with High-Head Effluent Pumps with Biotube® pump vaults to provide pressure and flow requirements, and to prevent debris from fouling valve operation. An inlet ball valve, a section of clear pipe, and a union for each outlet are provided for a complete assembly that is easy to maintain and monitor. Ideal valve location is at the high point in the system. Refer to Automatic Distributing Valve Assemblies (NTP-VA-1) for more information.

Standard Models
V4402A, V4403A, V4404A, V4605A, V4606A, V6402A, V6403A, V6404A, V6605A, V6606A.

Product Code Diagram

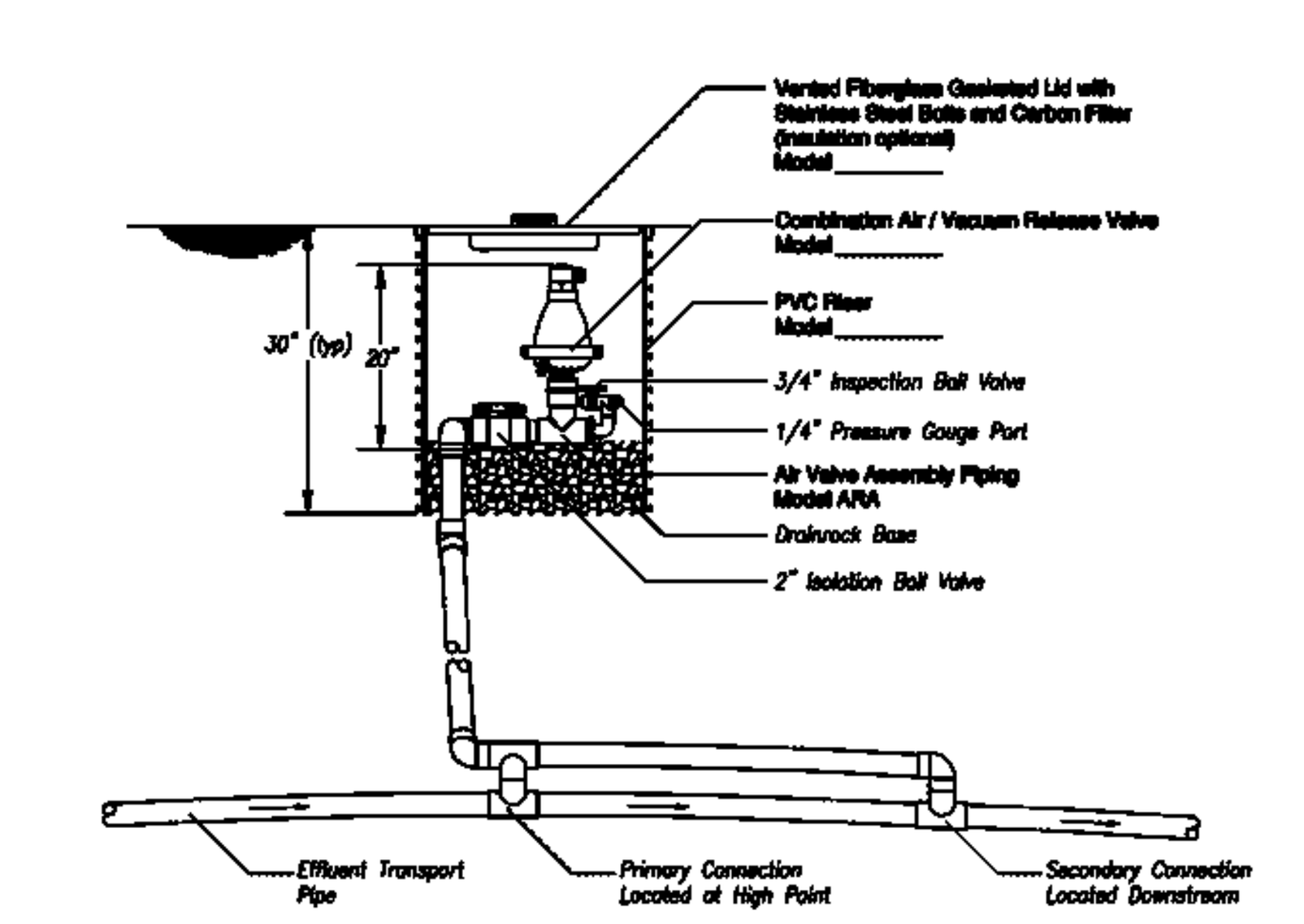


Materials of Construction

All Fittings	Sch. 40 PVC per ASTM specification
Unions	Sch. 80 PVC per ASTM specification
Ball Valve	Sch. 40 PVC per ASTM specification
Clear Pipe	Sch. 40 PVC per ASTM specification

Orenco Systems® Inc., 814 Airway Ave., Sutherlin, OR 97479 USA • 800-348-9843 • 541-459-4449 • www.orenco.com
NTD-SF-VA-1 Rev. 2.0, © 03/17 Page 1 of 2

Air Valve Assembly - Combination Air / Vacuum Release



Orenco Systems® Incorporated
814 AIRWAY AVENUE
SUTHERLIN, OREGON
97479-9012
TOLL FREE: (800) 348-9843
TELEPHONE: (541) 459-4449
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

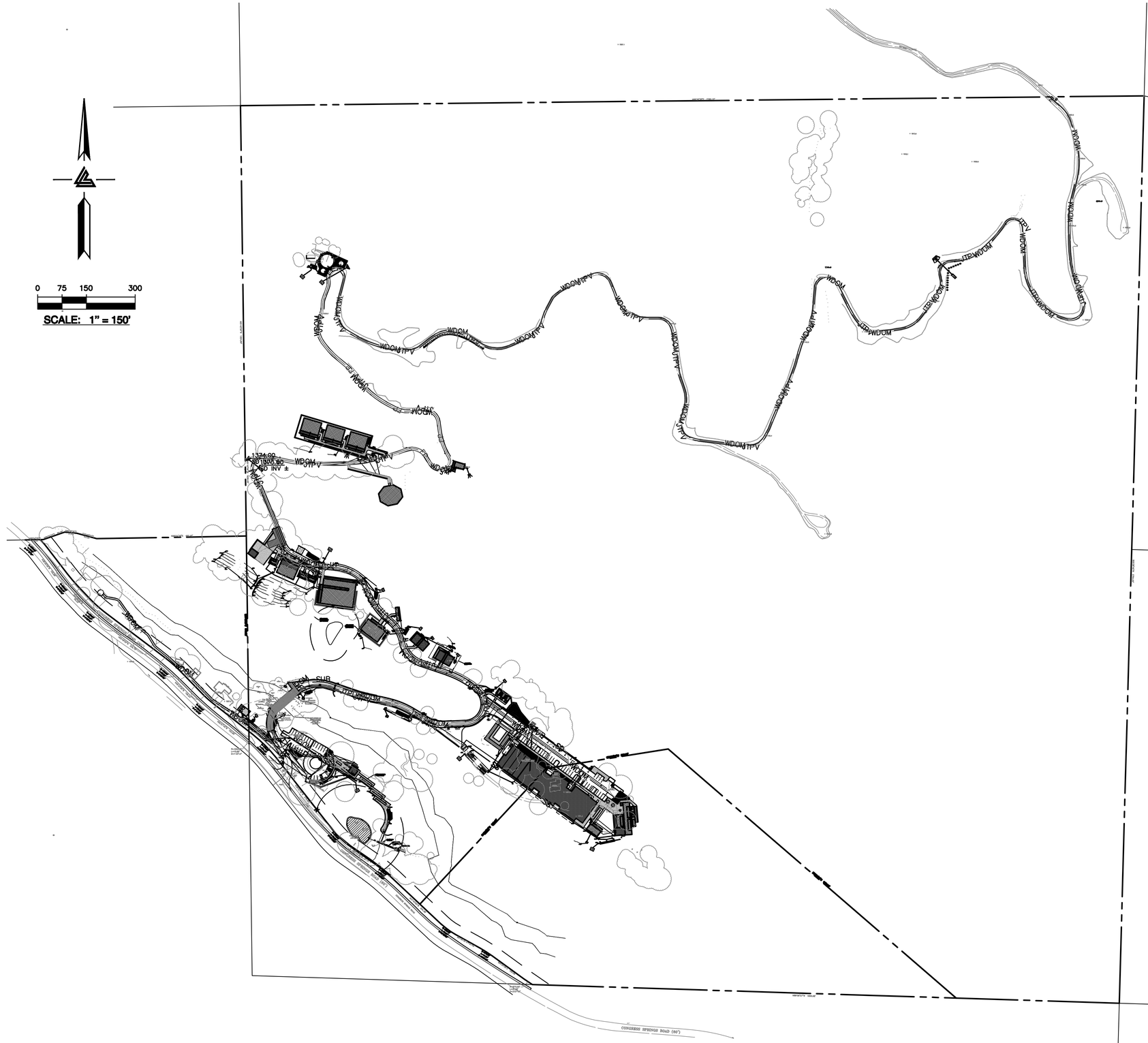
SHEET TITLE
COMPOSITE UTILITY DETAILS

SCALE
1" = 20'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
UC-11.23

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943



WATER SERVICE KEYNOTES 1 TO 10

1. (N) 8" FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HPDE (DR-11 OR SIMILAR).
2. 3" HDPE (DR-11 OR SIMILAR) DOMESTIC WATER LINE.
3. 3" HDPE (DR-7.3 OR SIMILAR) DOMESTIC WATER LINE.
4. ALL FIRE HYDRANTS SHALL BE CLOW "WET BARREL" TYPE (MODEL# F75) WITH TWO 2.5" OUTLETS & ONE 4.5" OUTLET. SEE DETAIL W-6 ON SHEET CWD-12.19. BREAKAWAY CHECK VALVES AT HYDRANTS SHALL BE INSTALLED. VALVES SHALL BE LISTED FOR INSTALLATION ON FIRE SERVICE MAIN. INSTALL BOLLARDS 3' MIN FROM FACE OF HYDRANT ALL ORIFICES SHALL BE UNOBSTRUCTED. SEE BOLLARD DETAIL ON SHEET CWD-12.21.
5. PROVIDE THRUST BLOCKS AT INTERSECTIONS AND MAJOR CHANGES IN DIRECTION PER NFPA 24 §10.6 SEE DETAIL W-7 ON SHEET CWD-12.19.
6. INSTALL (N) FEBCO LF860 BACK FLOW PREVENTION DEVICE FOR 2" DOMESTIC WATER SERVICE OR APPROVED EQUAL.
7. 3" OR SMALLER IRRIGATION LINE. SEE LANDSCAPE ARCHITECT PLANS FOR DESIGN DETAILS.
8. INSTALL INTEGRIFUSE POLY BALL VALVE AT 200' INTERVALS ALONG THE DOMESTIC AND RAW WATER LINES.
9. NOT USED
10. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

NOTE:
FIRE WATER LINES ARE NOT APPROVED UNDER UTILITY PERMIT. A SEPARATE DEFERRED SUBMITTAL IS REQUIRED FOR INSTALLATION.

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT-OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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REGISTERED PROFESSIONAL ENGINEER PETER CARLINO No. C79555 CIVIL STATE OF CALIFORNIA ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 150'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.0

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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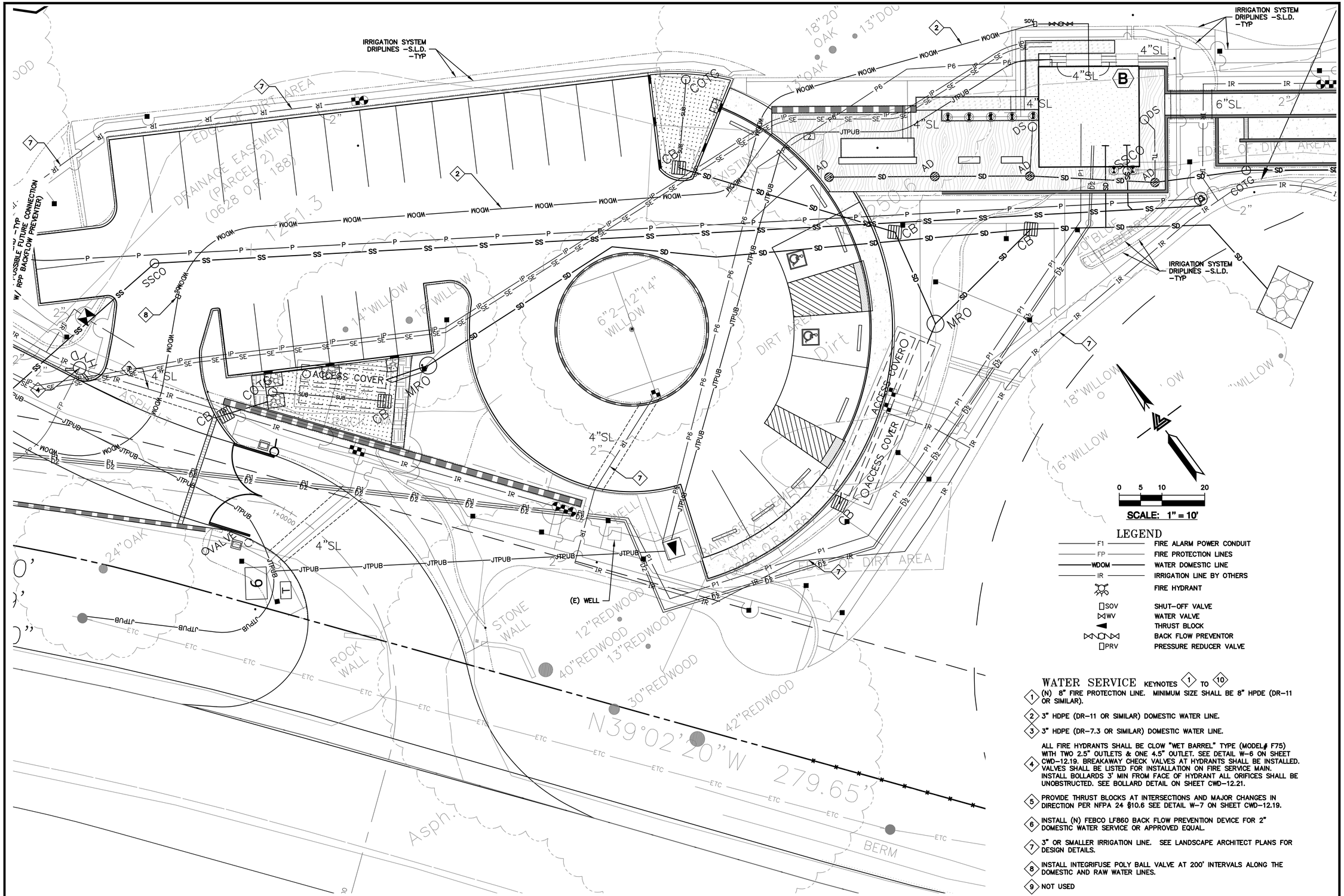

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT–OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

WATER SERVICE KEYNOTES 1 TO 10

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9. NOT USED
10. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.

NOTE:
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
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REGISTERED PROFESSIONAL ENGINEER — PETER CARLISLE — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD–12.1

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT-OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

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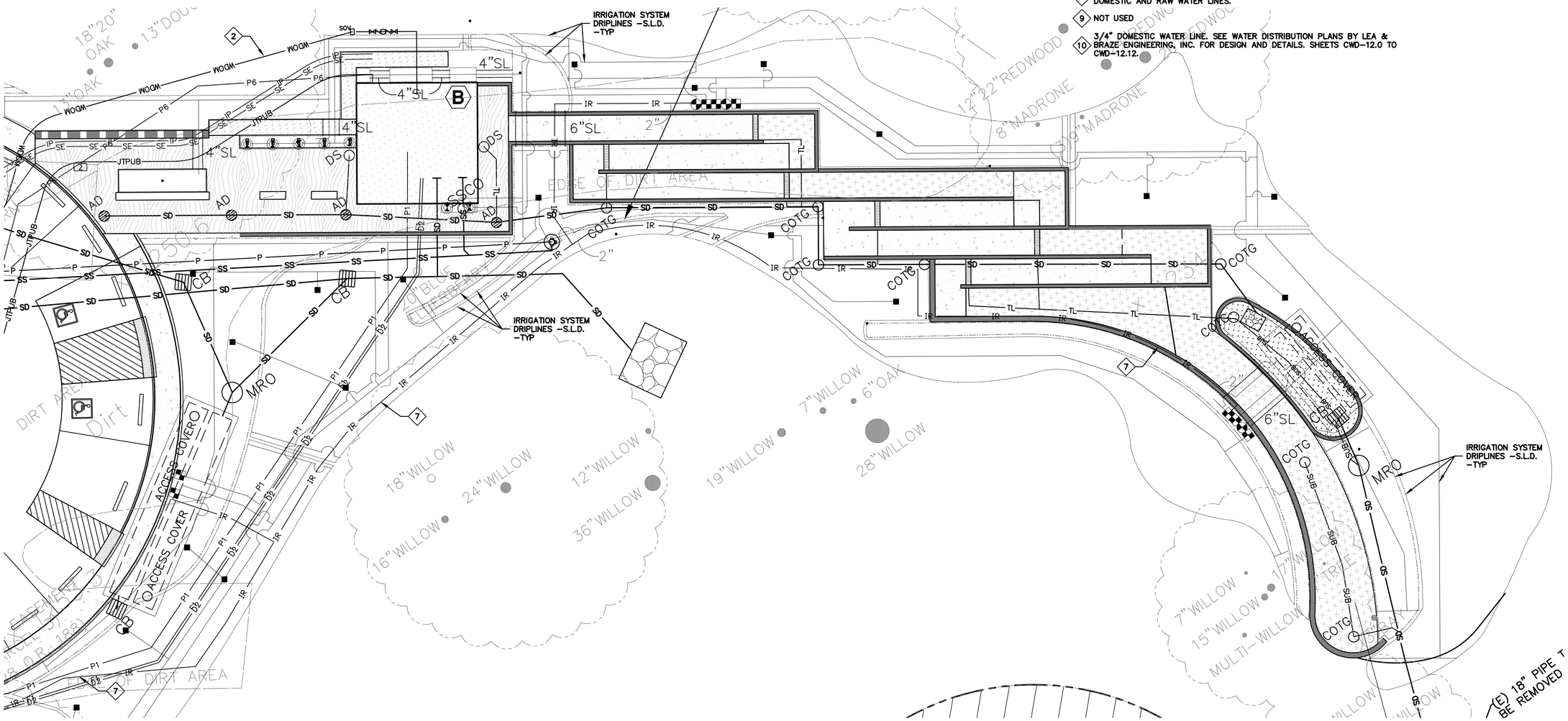
0 5 10 20

SCALE: 1" = 10'



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REGISTERED PROFESSIONAL ENGINEER
PETER CARLSON
No. C79333
CIVIL
STATE OF CALIFORNIA
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.2

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PLN-17-6943

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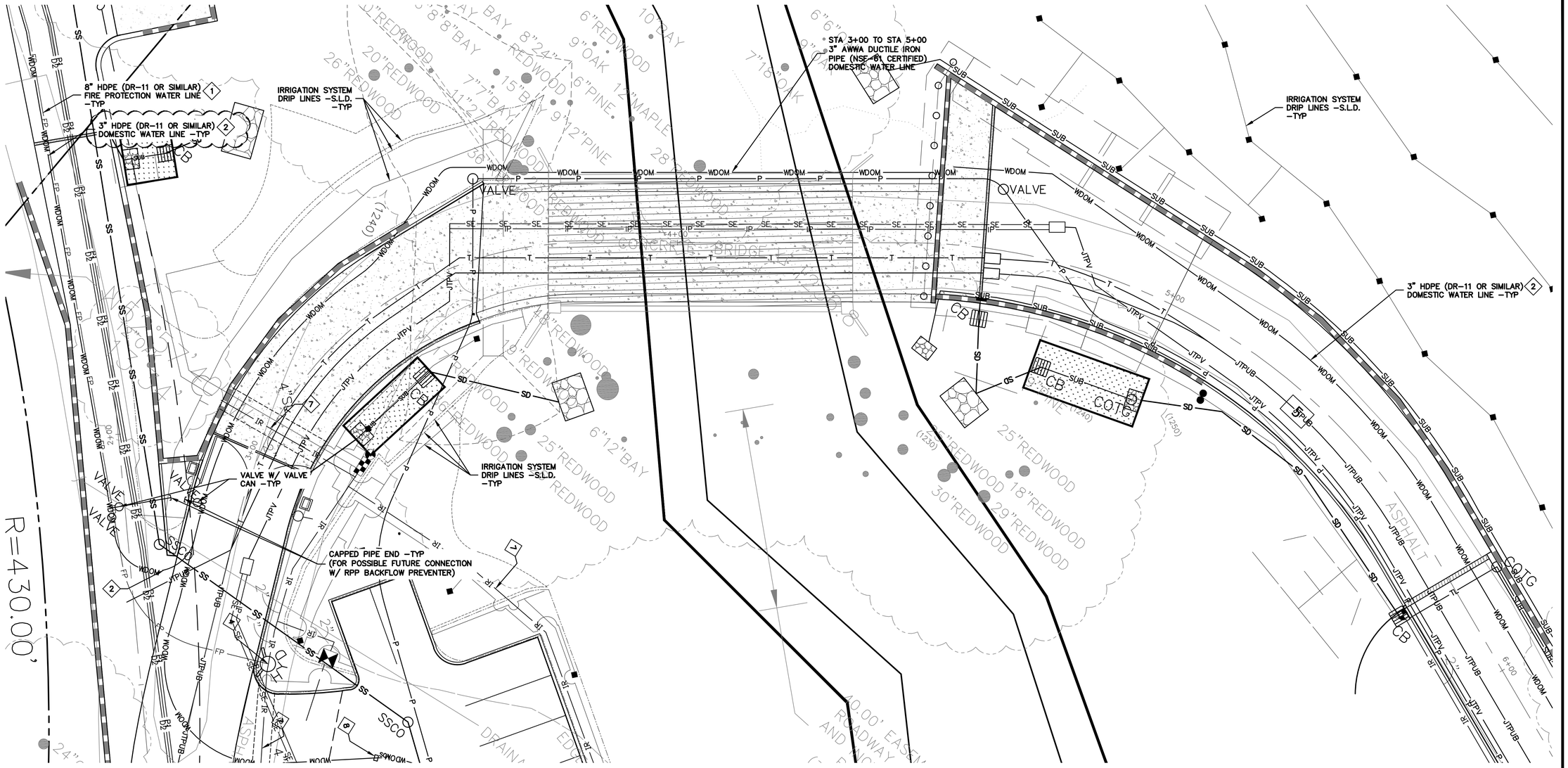

0 5 10 20

SCALE: 1" = 10'

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT-OFF VALVE
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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

	SCALE
	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.3

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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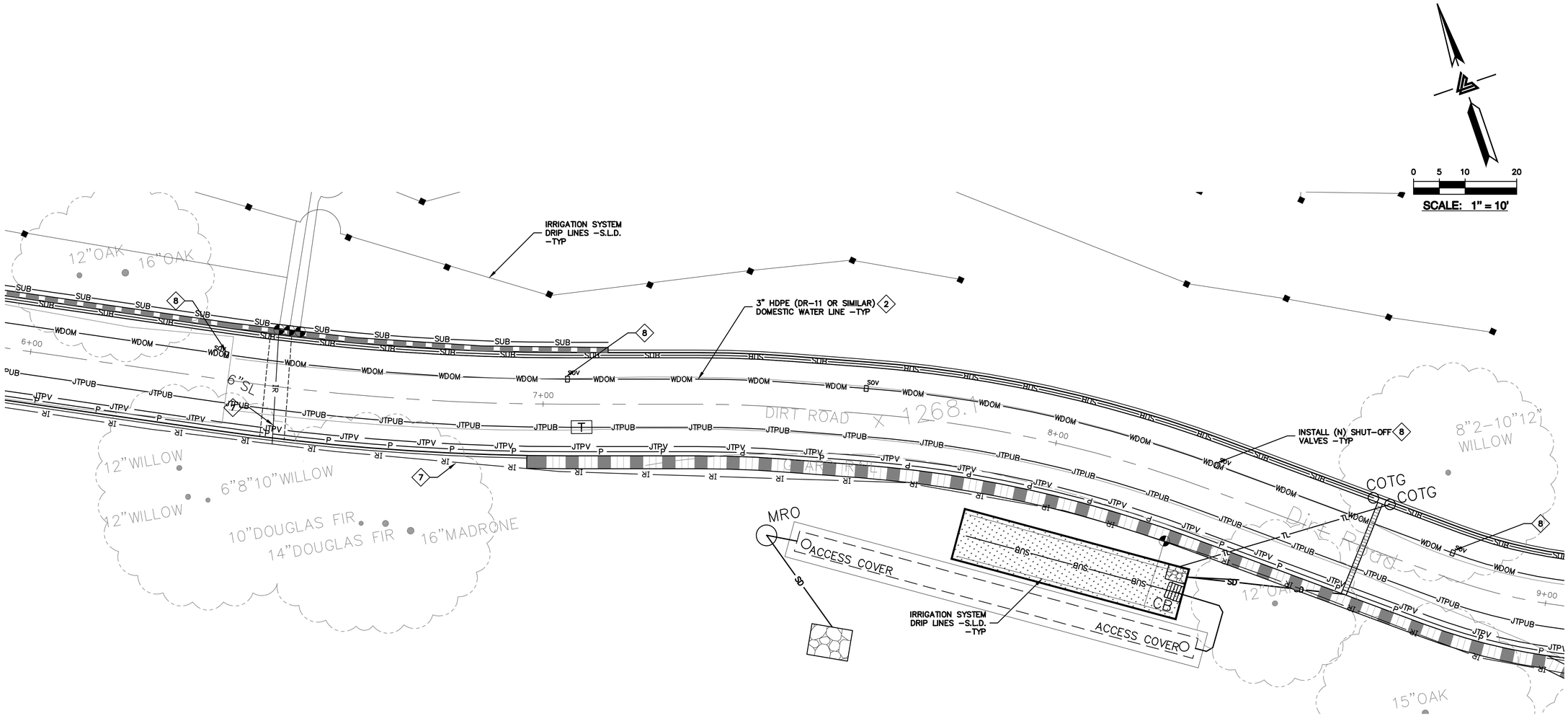

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT–OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

WATER SERVICE KEYNOTES 1 TO 10

1. (N) 8" FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HPDE (DR–11 OR SIMILAR).
2. 3" HDPE (DR–11 OR SIMILAR) DOMESTIC WATER LINE.
3. 3" HDPE (DR–7.3 OR SIMILAR) DOMESTIC WATER LINE.
4. ALL FIRE HYDRANTS SHALL BE CLOW "WET BARREL" TYPE (MODEL# F75) WITH TWO 2.5" OUTLETS & ONE 4.5" OUTLET. SEE DETAIL W–6 ON SHEET CWD–12.19. BREAKAWAY CHECK VALVES AT HYDRANTS SHALL BE INSTALLED. VALVES SHALL BE LISTED FOR INSTALLATION ON FIRE SERVICE MAIN. INSTALL BOLLARDS 3' MIN FROM FACE OF HYDRANT ALL ORIFICES SHALL BE UNOBSTRUCTED. SEE BOLLARD DETAIL ON SHEET CWD–12.21.
5. PROVIDE THRUST BLOCKS AT INTERSECTIONS AND MAJOR CHANGES IN DIRECTION PER NFPA 24 §10.6 SEE DETAIL W–7 ON SHEET CWD–12.19.
6. INSTALL (N) FEBCO LF860 BACK FLOW PREVENTION DEVICE FOR 2" DOMESTIC WATER SERVICE OR APPROVED EQUAL.
7. 3" OR SMALLER IRRIGATION LINE. SEE LANDSCAPE ARCHITECT PLANS FOR DESIGN DETAILS.
8. INSTALL INTEGRIFUSE POLY BALL VALVE AT 200' INTERVALS ALONG THE DOMESTIC AND RAW WATER LINES.
9. NOT USED
10. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.

NOTE:
FIRE WATER LINES ARE NOT APPROVED UNDER UTILITY PERMIT. A SEPARATE DEFERRED SUBMITTAL IS REQUIRED FOR INSTALLATION.

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JEFFREY CARL LEA — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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ISSUES AND REVISIONS

DATE	DESCRIPTION
09–06–18	GRADING PERMIT PLAN CHECK 4
12–21–18	PERMIT RESUBMITTAL
03–26–19	PERMIT MODIFICATION PLAN CHECK 1
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04–22–19	BID SET
05–10–19	BID SET ADDENDUM 1
05–22–19	UTILITY PLAN CHECK 1
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09–20–19	CONSTRUCTION SET 1
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07–22–20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.4

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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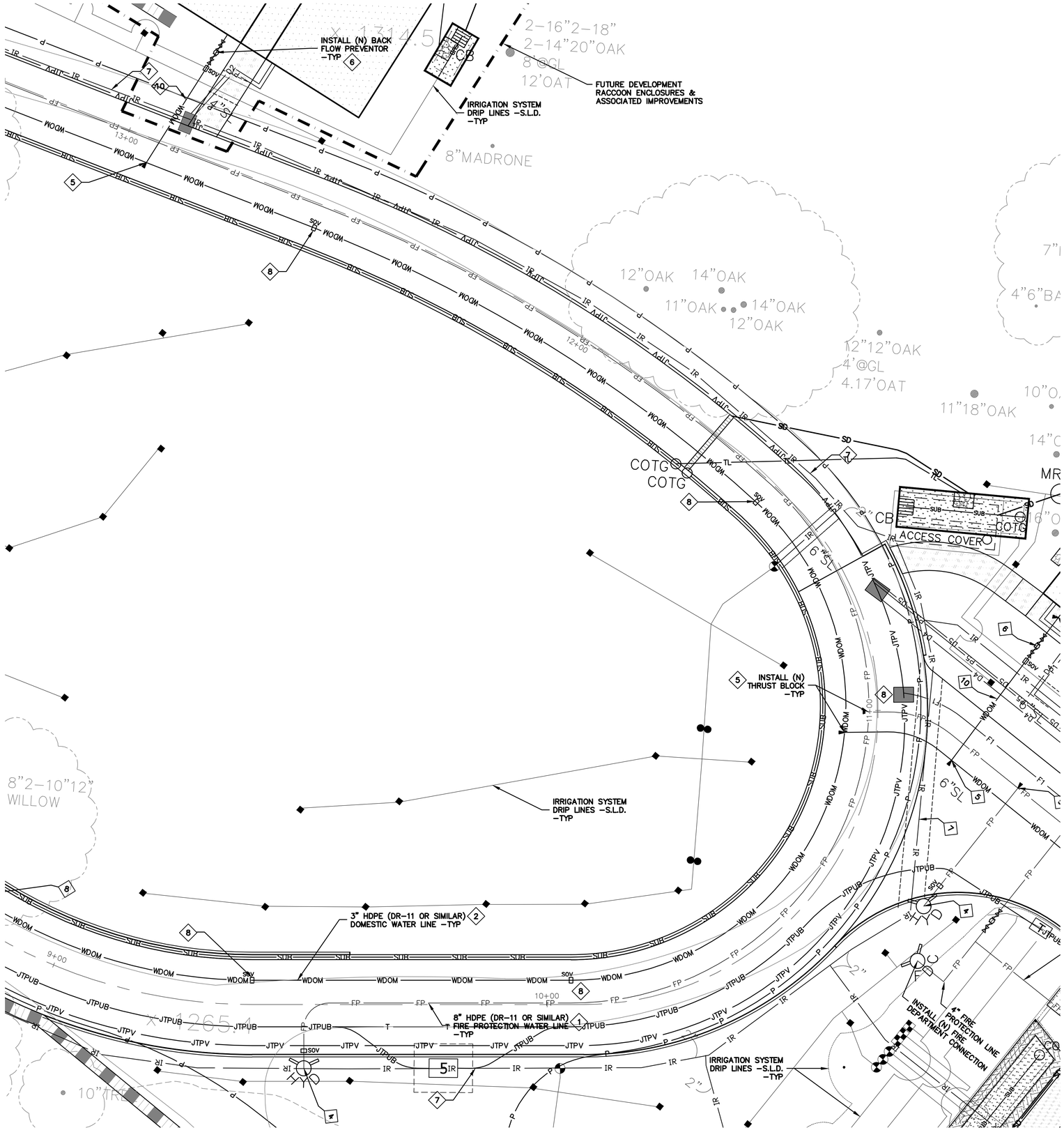

0 5 10 20

SCALE: 1" = 10'

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
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	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

WATER SERVICE KEYNOTES 1 TO 10

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6. INSTALL (N) FEBCO LF860 BACK FLOW PREVENTION DEVICE FOR 2" DOMESTIC WATER SERVICE OR APPROVED EQUAL.
7. 3" OR SMALLER IRRIGATION LINE. SEE LANDSCAPE ARCHITECT PLANS FOR DESIGN DETAILS.
8. INSTALL INTEGRIFUSE POLY BALL VALVE AT 200' INTERVALS ALONG THE DOMESTIC AND RAW WATER LINES.
9. NOT USED
10. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD–12.0 TO CWD–12.12.

NOTE:
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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD–12.5

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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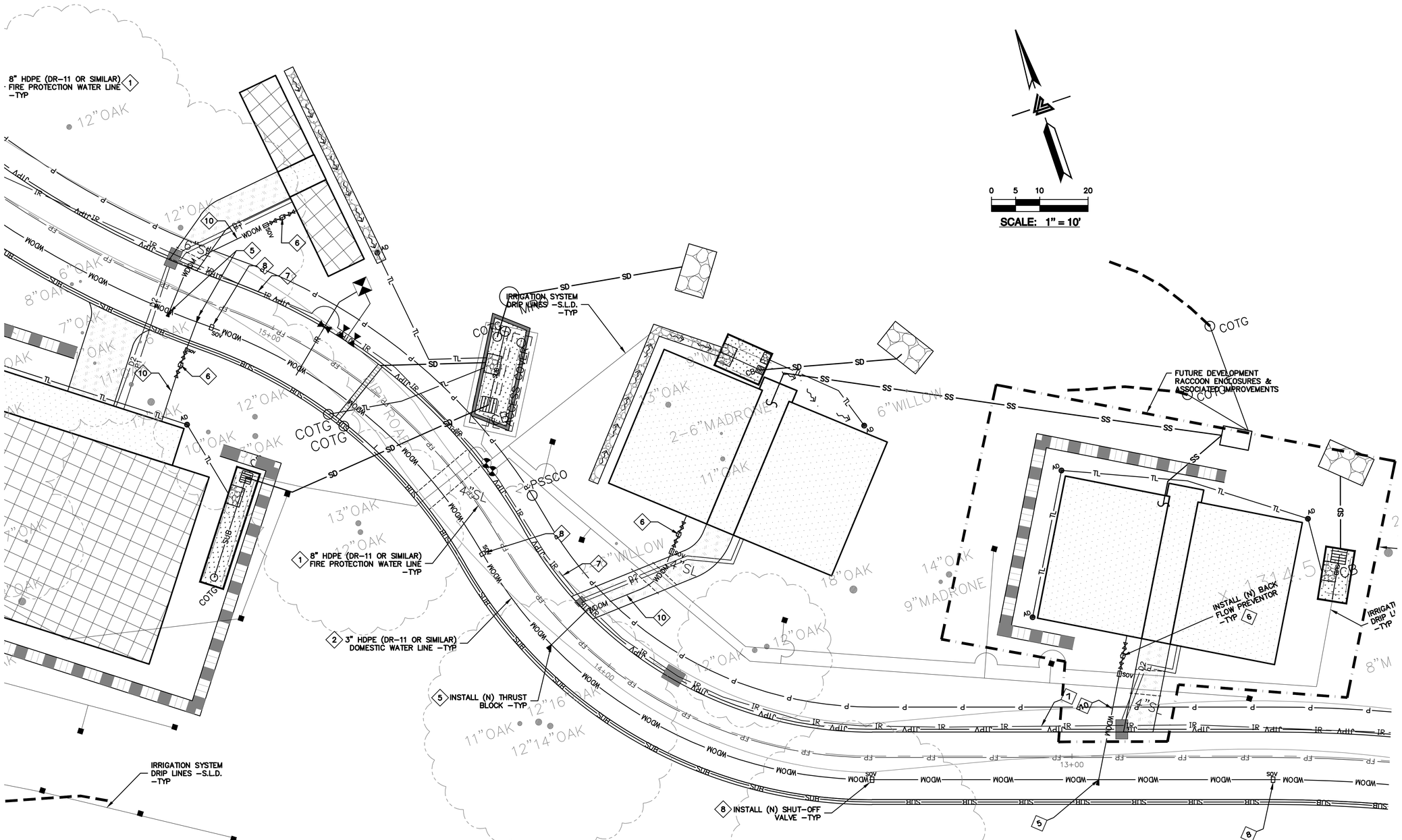

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LEGEND

F1	FIRE ALARM POWER CONDUIT
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ISSUES AND REVISIONS

DATE	DESCRIPTION
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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.6

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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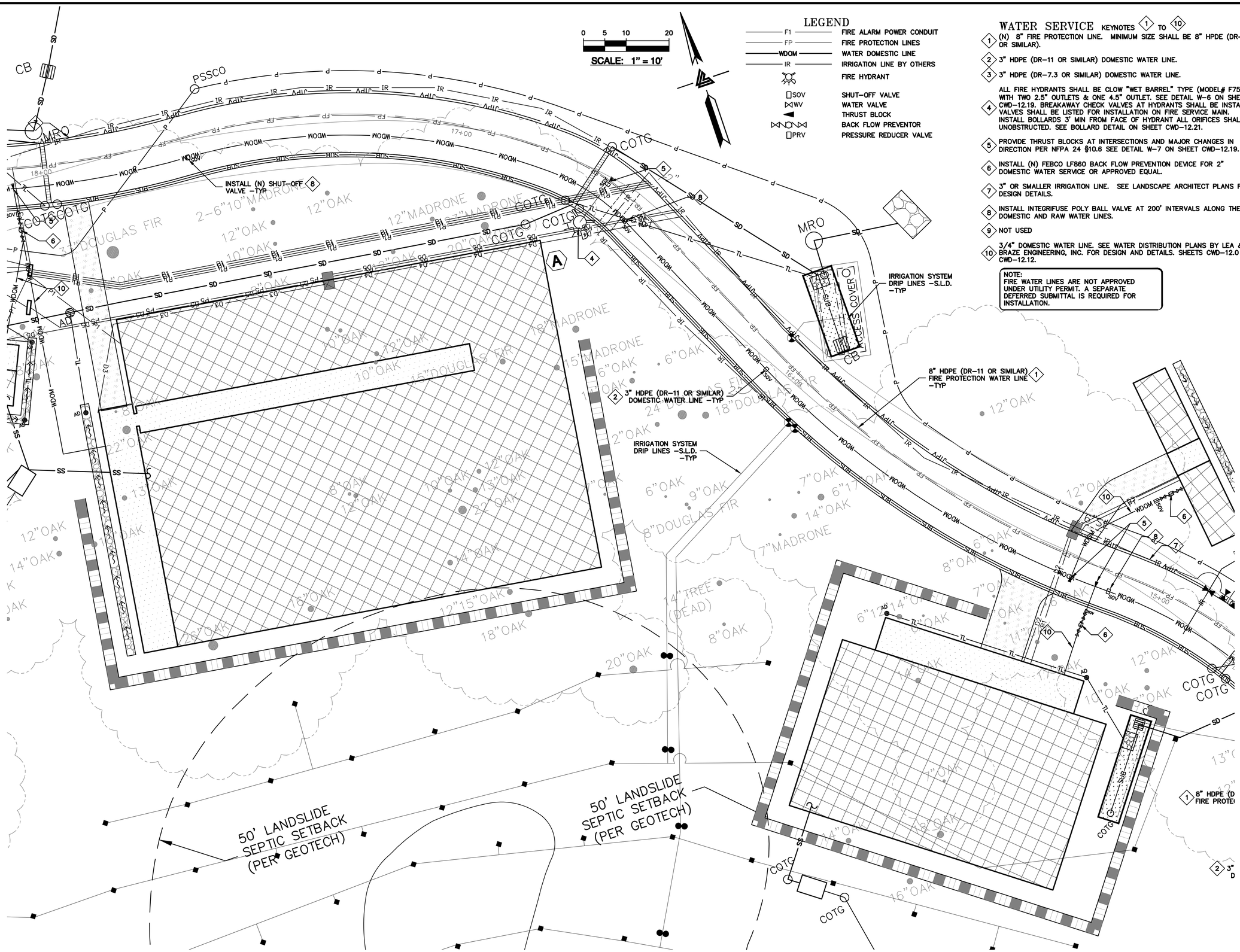
0 5 10 20
SCALE: 1" = 10'
LEGEND
F1 FIRE ALARM POWER CONDUIT
FP FIRE PROTECTION LINES
WDOM WATER DOMESTIC LINE
IR IRRIGATION LINE BY OTHERS
FIRE HYDRANT
SOV SHUT-OFF VALVE
WV WATER VALVE
THRUST BLOCK
BACK FLOW PREVENTOR
PRV PRESSURE REDUCER VALVE
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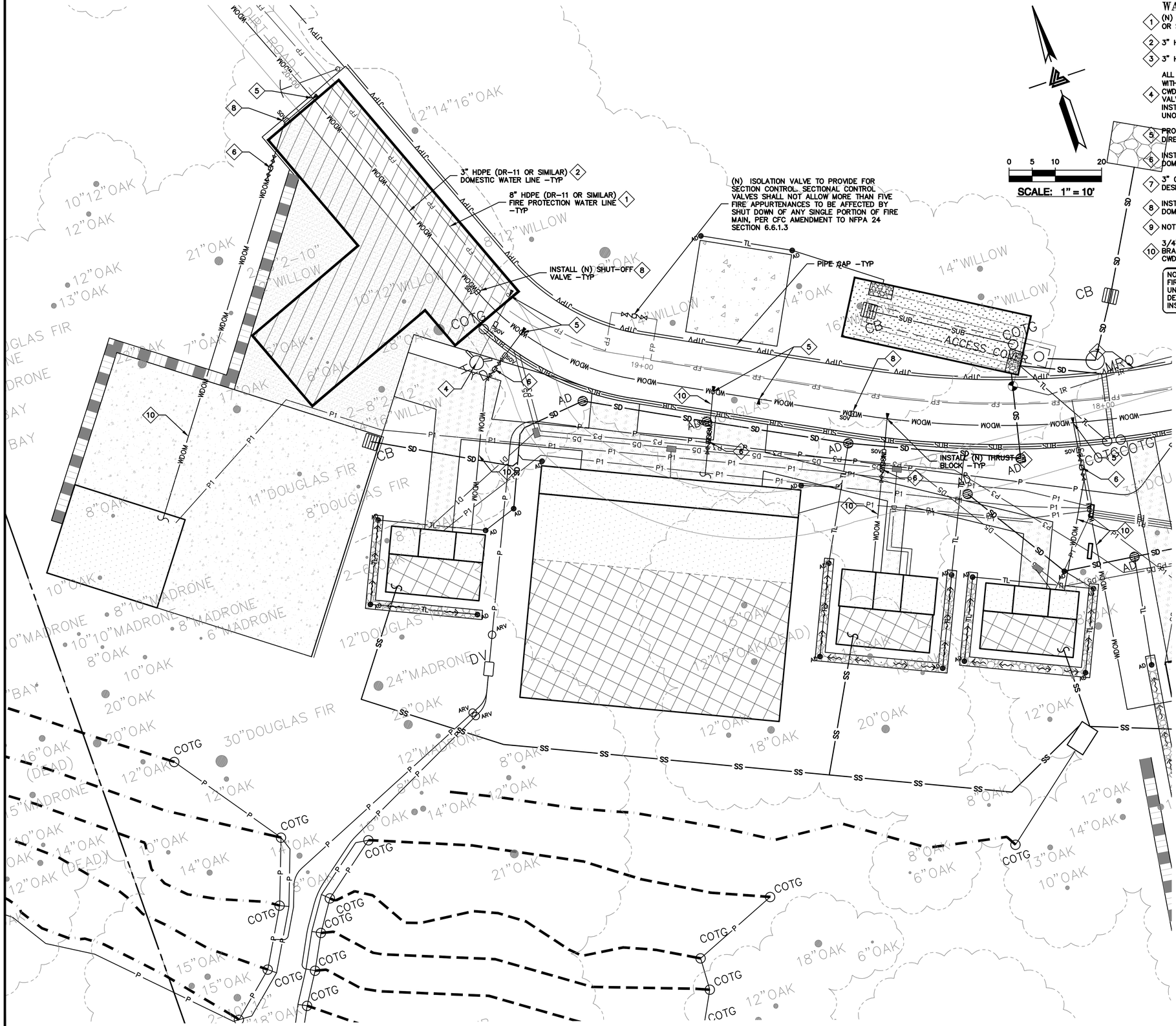
NOTE: FIRE WATER LINES ARE NOT APPROVED UNDER UTILITY PERMIT. A SEPARATE DEFERRED SUBMITTAL IS REQUIRED FOR INSTALLATION.
INSTALL (N) SHUT-OFF VALVE -TYP
IRRIGATION SYSTEM DRIP LINES -S.L.D. -TYP
3" HDPE (DR-11 OR SIMILAR) DOMESTIC WATER LINE -TYP
8" HDPE (DR-11 OR SIMILAR) FIRE PROTECTION WATER LINE -TYP
50' LANDSLIDE SEPTIC SETBACK (PER GEOTECH)
50' LANDSLIDE SEPTIC SETBACK (PER GEOTECH)
CB
PSSCO
MRO
COTG
COTG
COTG



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LEGEND

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SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.8

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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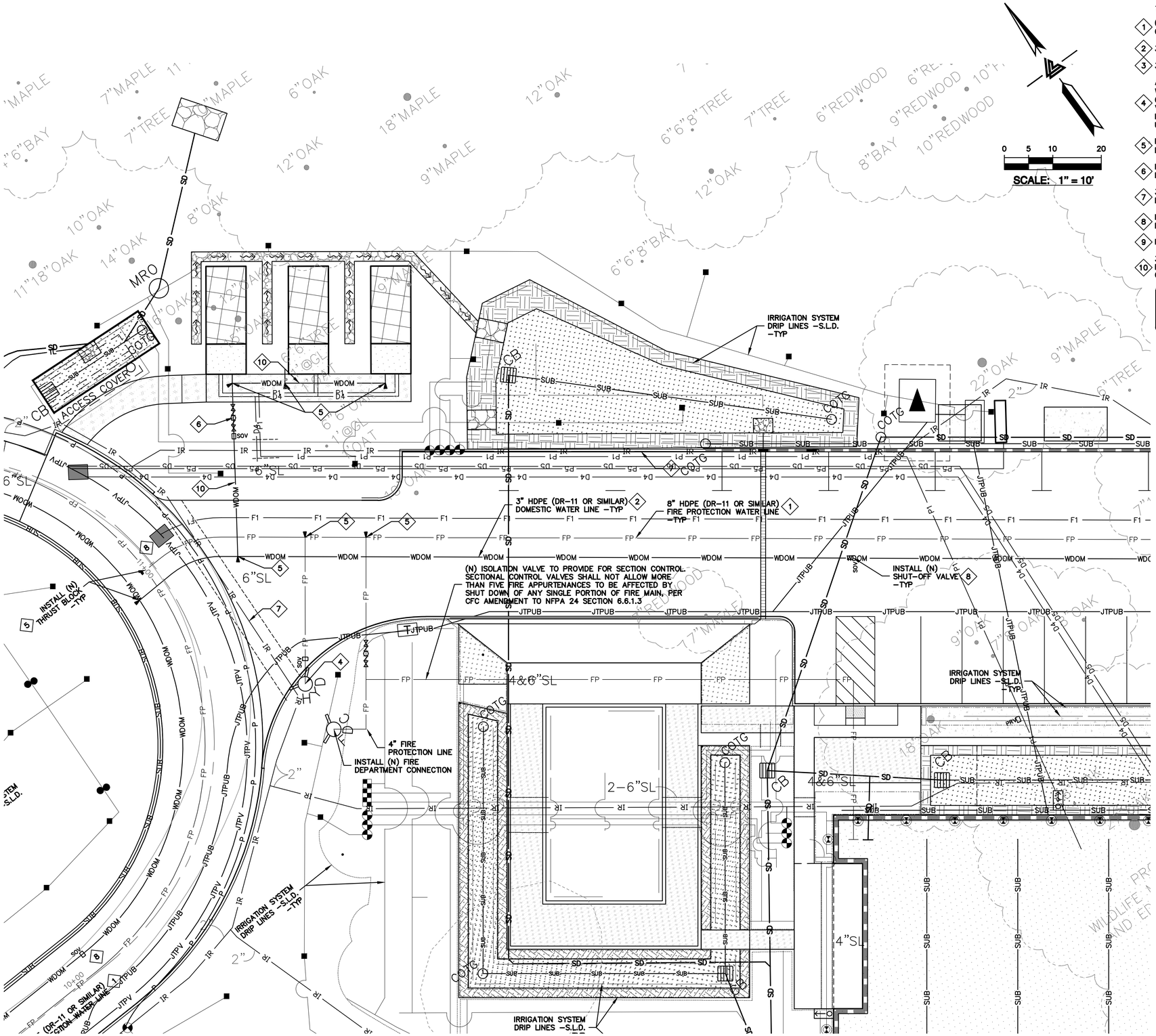

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ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.9

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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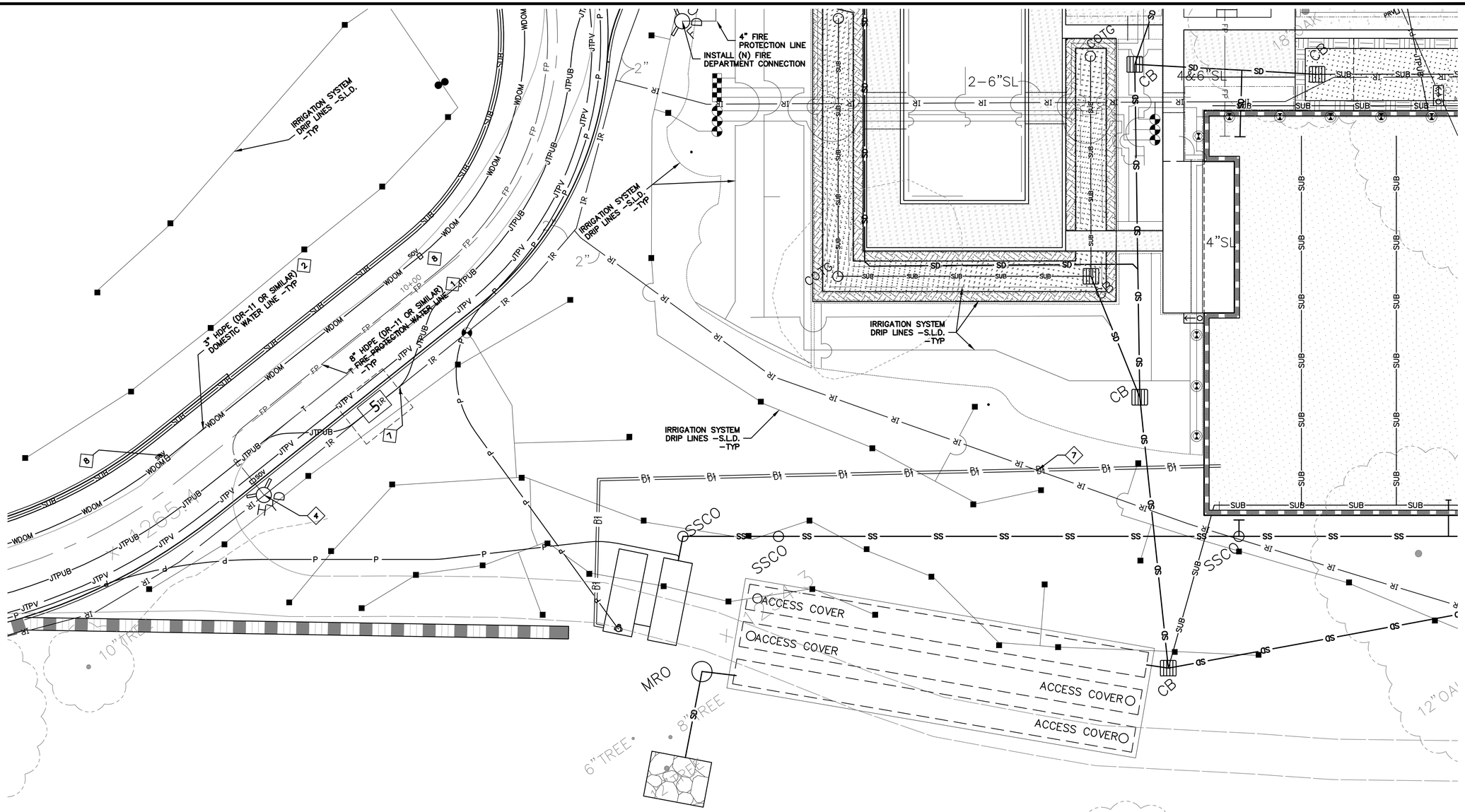

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT-OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

WATER SERVICE KEYNOTES 1 TO 10

1. (N) 8" FIRE PROTECTION LINE. MINIMUM SIZE SHALL BE 8" HPDE (DR-11 OR SIMILAR).
2. 3" HDPE (DR-11 OR SIMILAR) DOMESTIC WATER LINE.
3. 3" HDPE (DR-7.3 OR SIMILAR) DOMESTIC WATER LINE.
4. ALL FIRE HYDRANTS SHALL BE CLOW "WET BARREL" TYPE (MODEL# F75) WITH TWO 2.5" OUTLETS & ONE 4.5" OUTLET. SEE DETAIL W-6 ON SHEET CWD-12.19. BREAKAWAY CHECK VALVES AT HYDRANTS SHALL BE INSTALLED. VALVES SHALL BE LISTED FOR INSTALLATION ON FIRE SERVICE MAIN. INSTALL BOLLARDS 3' MIN FROM FACE OF HYDRANT ALL ORIFICES SHALL BE UNOBSTRUCTED. SEE BOLLARD DETAIL ON SHEET CWD-12.21.
5. PROVIDE THRUST BLOCKS AT INTERSECTIONS AND MAJOR CHANGES IN DIRECTION PER NFPA 24 §10.6 SEE DETAIL W-7 ON SHEET CWD-12.19.
6. INSTALL (N) FEBCO LF860 BACK FLOW PREVENTION DEVICE FOR 2" DOMESTIC WATER SERVICE OR APPROVED EQUAL.
7. 3" OR SMALLER IRRIGATION LINE. SEE LANDSCAPE ARCHITECT PLANS FOR DESIGN DETAILS.
8. INSTALL INTEGRIFUSE POLY BALL VALVE AT 200' INTERVALS ALONG THE DOMESTIC AND RAW WATER LINES.
9. NOT USED
10. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

NOTE:
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0 5 10 20

SCALE: 1" = 10'

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JENNIFER CARLISLE — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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CIVIL ENGINEERS - LAND SURVEYORS
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SANTA CLARA COUNTY RECORD INFORMATION
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ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.10

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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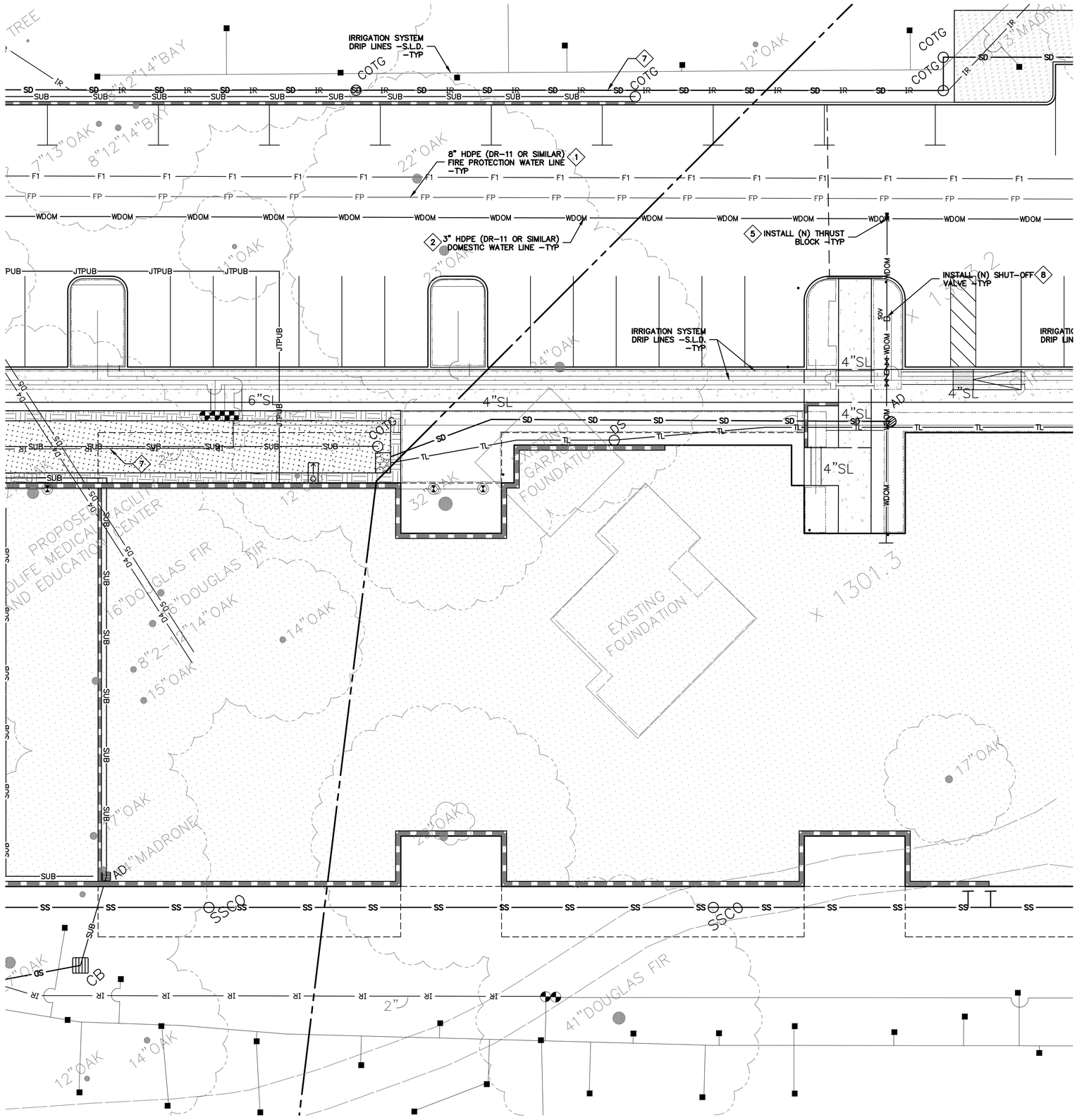

0 5 10 20

SCALE: 1" = 10'

LEGEND

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FP	FIRE PROTECTION LINES
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IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
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	BACK FLOW PREVENTOR
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.11

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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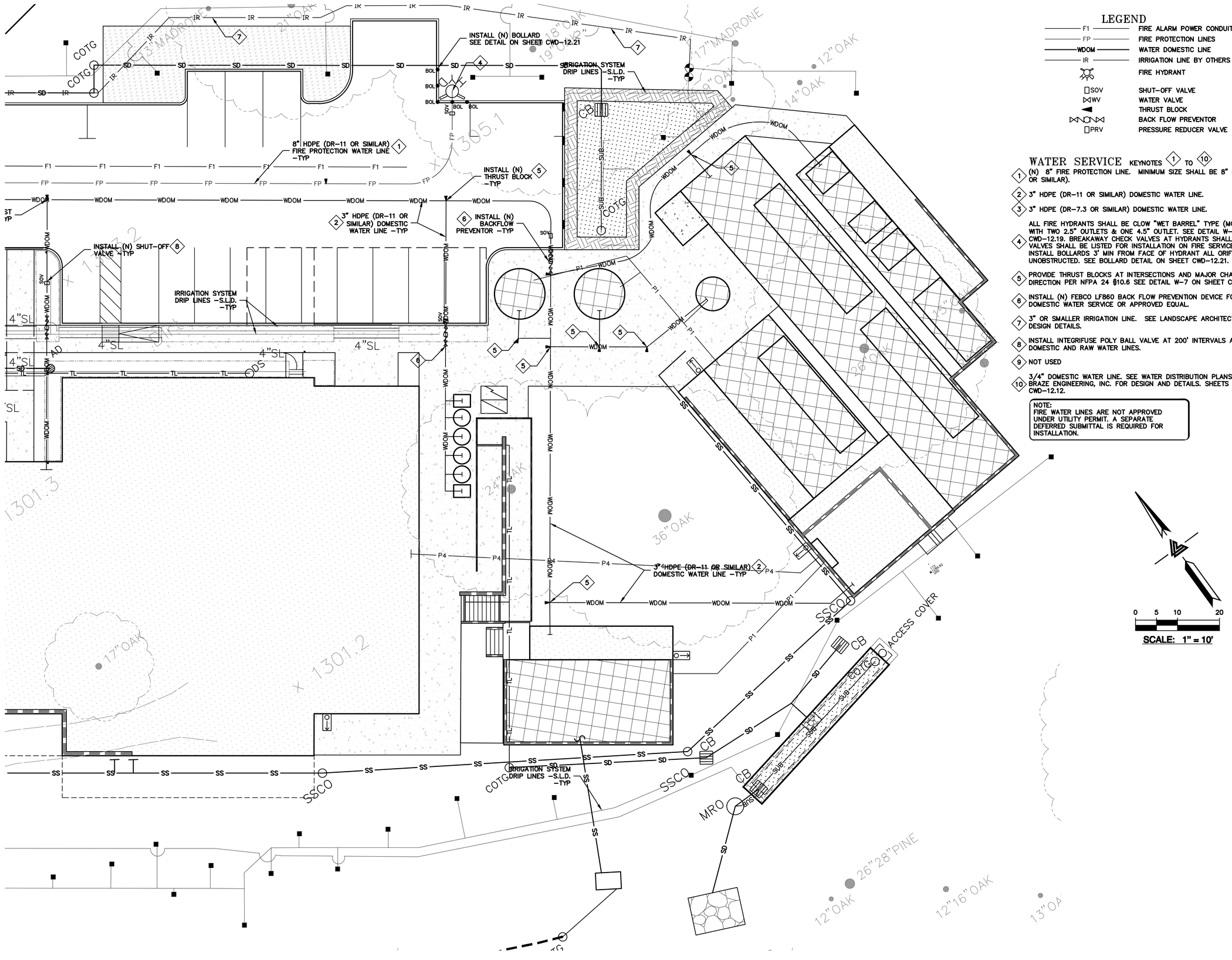

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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JENNIFER CARLSON — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
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PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.12

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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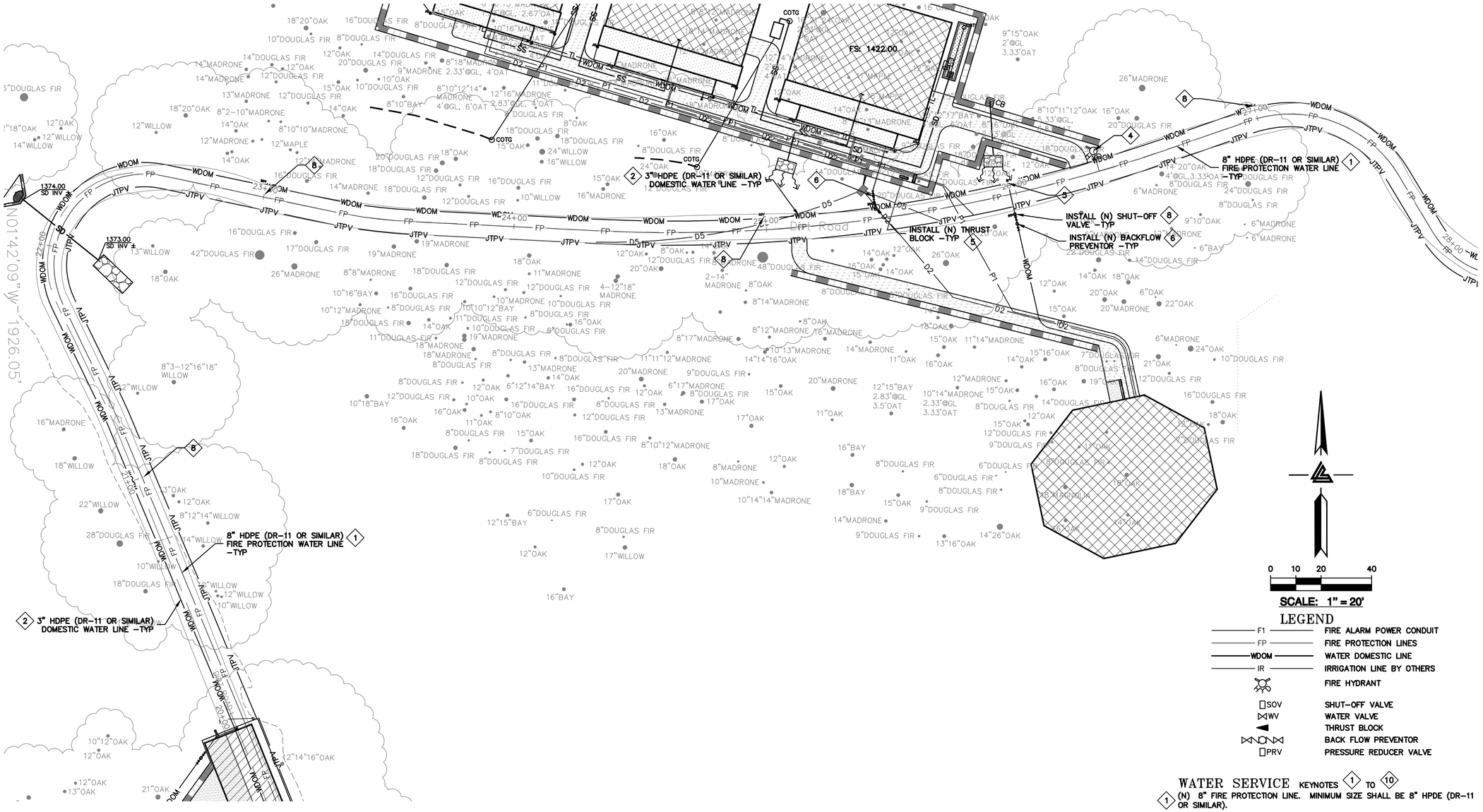

SCALE: 1" = 20'

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
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WATER SERVICE KEYNOTES 1 TO 10

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — NO. C79535 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.13

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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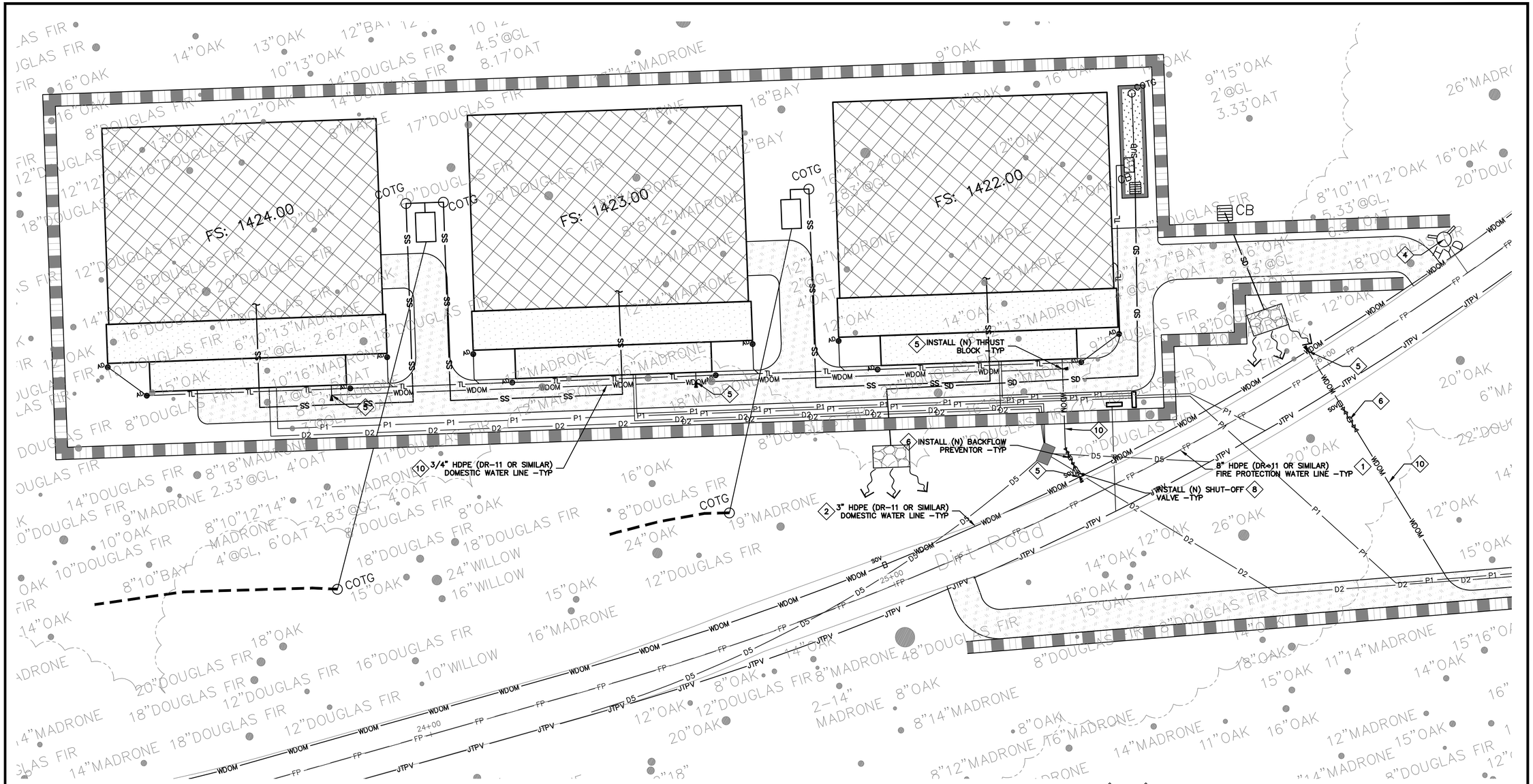

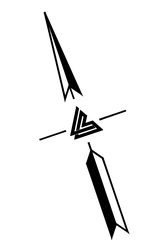

LEGEND

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ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLTON
No. C79333
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
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SANTA CLARA COUNTY
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PROJECT NUMBER
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SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 10'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.14

ASA/USE PERMIT
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PLN-17-6943

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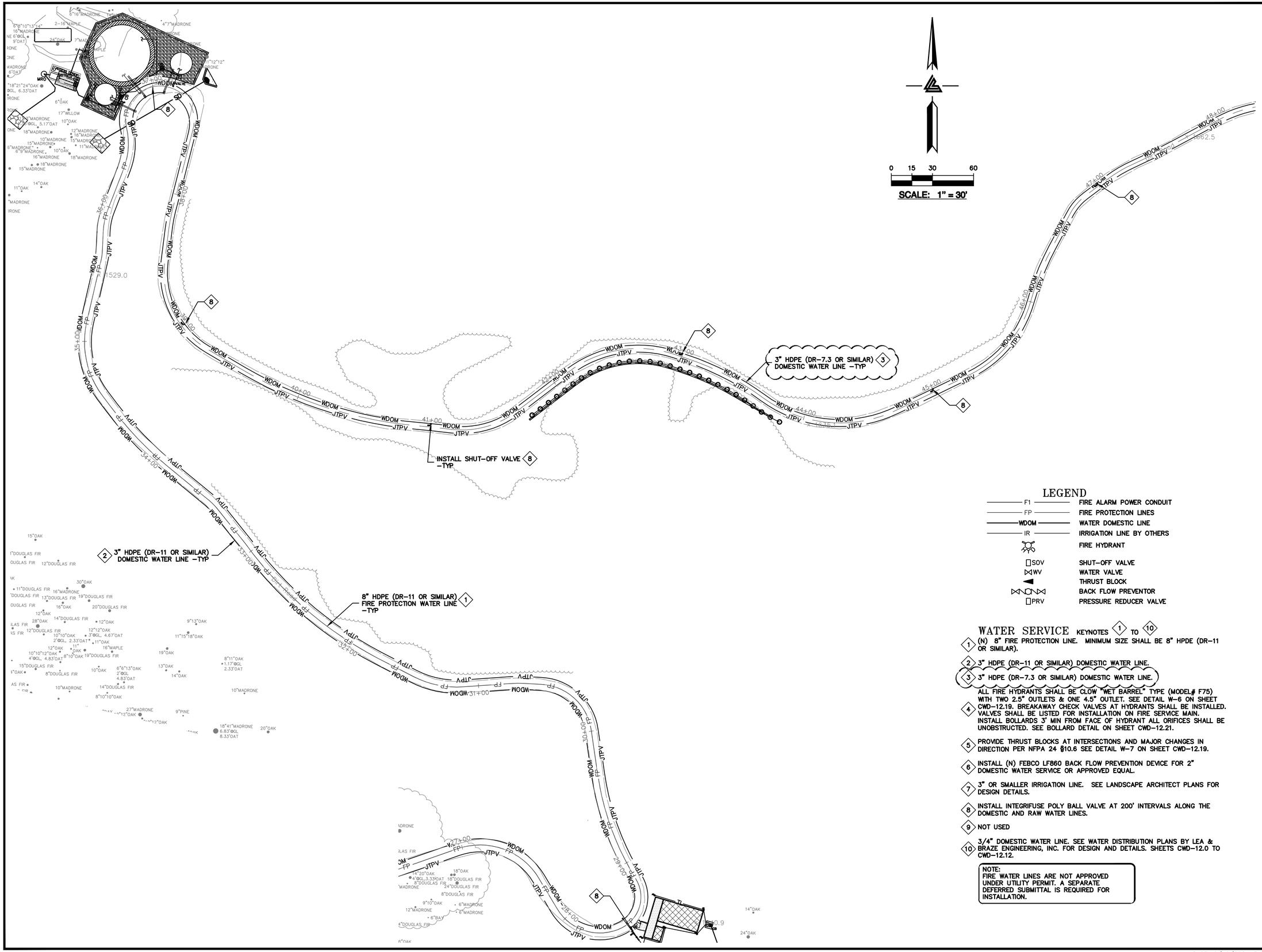

LEGEND

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- FP — FIRE PROTECTION LINES
- WDOM — WATER DOMESTIC LINE
- IR — IRRIGATION LINE BY OTHERS
- FIRE HYDRANT
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5. PROVIDE THRUST BLOCKS AT INTERSECTIONS AND MAJOR CHANGES IN DIRECTION PER NFPA 24 §10.6 SEE DETAIL W-7 ON SHEET CWD-12.19.
6. INSTALL (N) FEBCO LF860 BACK FLOW PREVENTION DEVICE FOR 2" DOMESTIC WATER SERVICE OR APPROVED EQUAL.
7. 3" OR SMALLER IRRIGATION LINE. SEE LANDSCAPE ARCHITECT PLANS FOR DESIGN DETAILS.
8. INSTALL INTEGRIFUSE POLY BALL VALVE AT 200' INTERVALS ALONG THE DOMESTIC AND RAW WATER LINES.
9. NOT USED
10. 3/4" DOMESTIC WATER LINE. SEE WATER DISTRIBUTION PLANS BY LEA & BRAZE ENGINEERING, INC. FOR DESIGN AND DETAILS. SHEETS CWD-12.0 TO CWD-12.12.

NOTE:
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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLTON — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS - LAND SURVEYORS
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(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 30'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.15

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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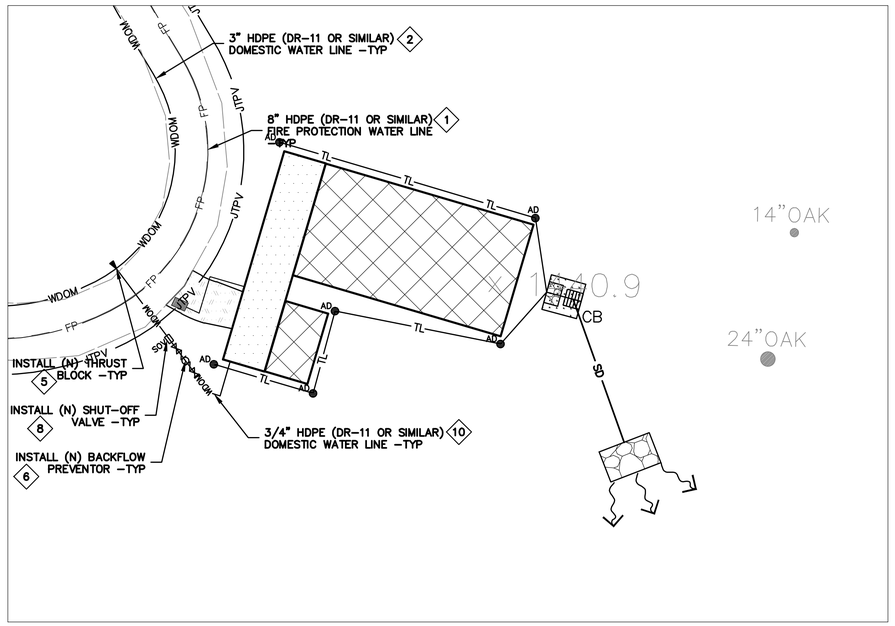

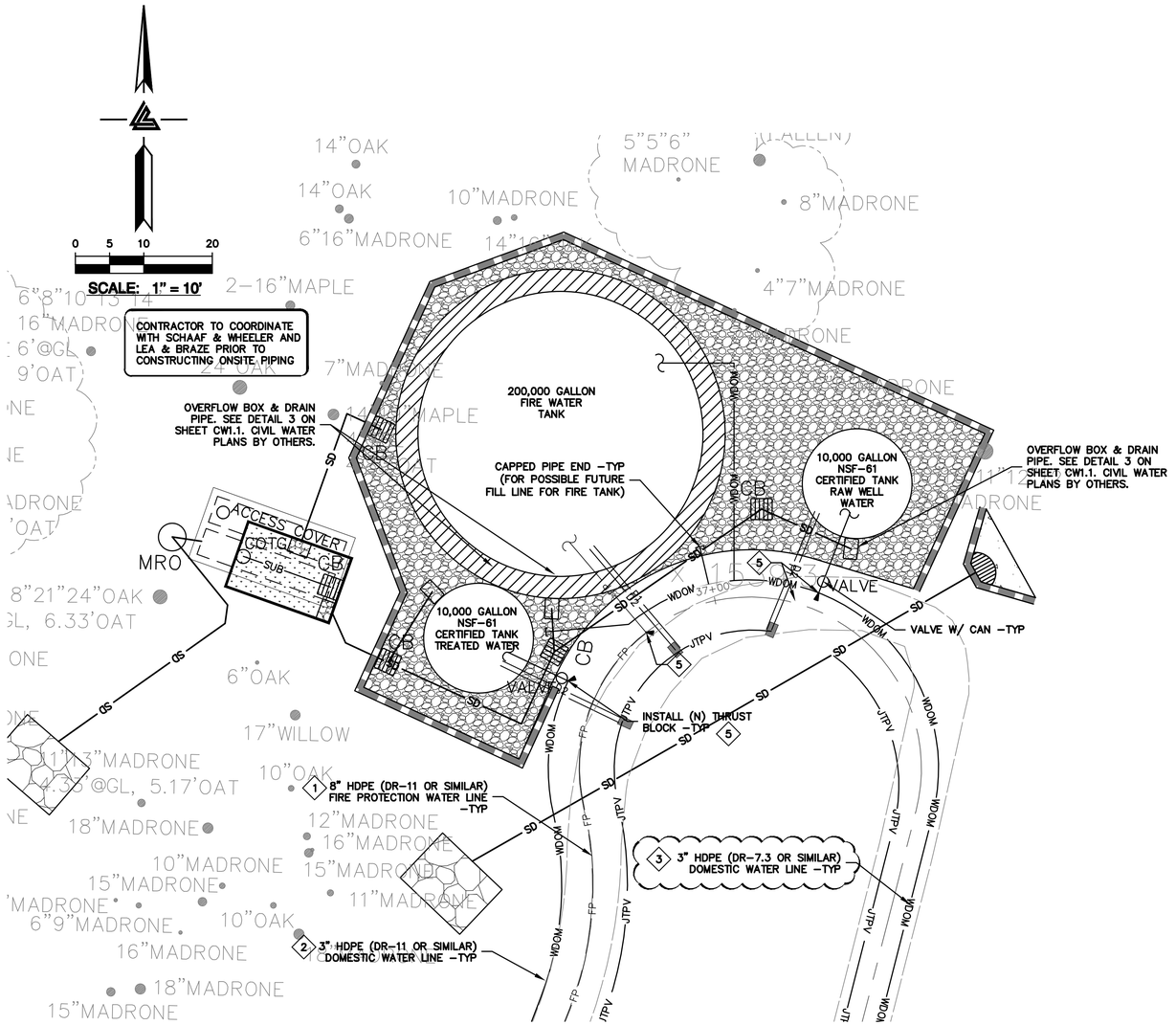

LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT-OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

WATER SERVICE KEYNOTES 1 TO 10

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ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — PETER CARLSON — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE	1" = 10'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.16

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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LEGEND

F1	FIRE ALARM POWER CONDUIT
FP	FIRE PROTECTION LINES
WDOM	WATER DOMESTIC LINE
IR	IRRIGATION LINE BY OTHERS
	FIRE HYDRANT
SOV	SHUT-OFF VALVE
WV	WATER VALVE
	THRUST BLOCK
	BACK FLOW PREVENTOR
PRV	PRESSURE REDUCER VALVE

NOTE:
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ELLISON CONSERVATION
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SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER — JEFFREY CARL JOHNSON — No. C79555 — CIVIL — STATE OF CALIFORNIA — ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY
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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.17

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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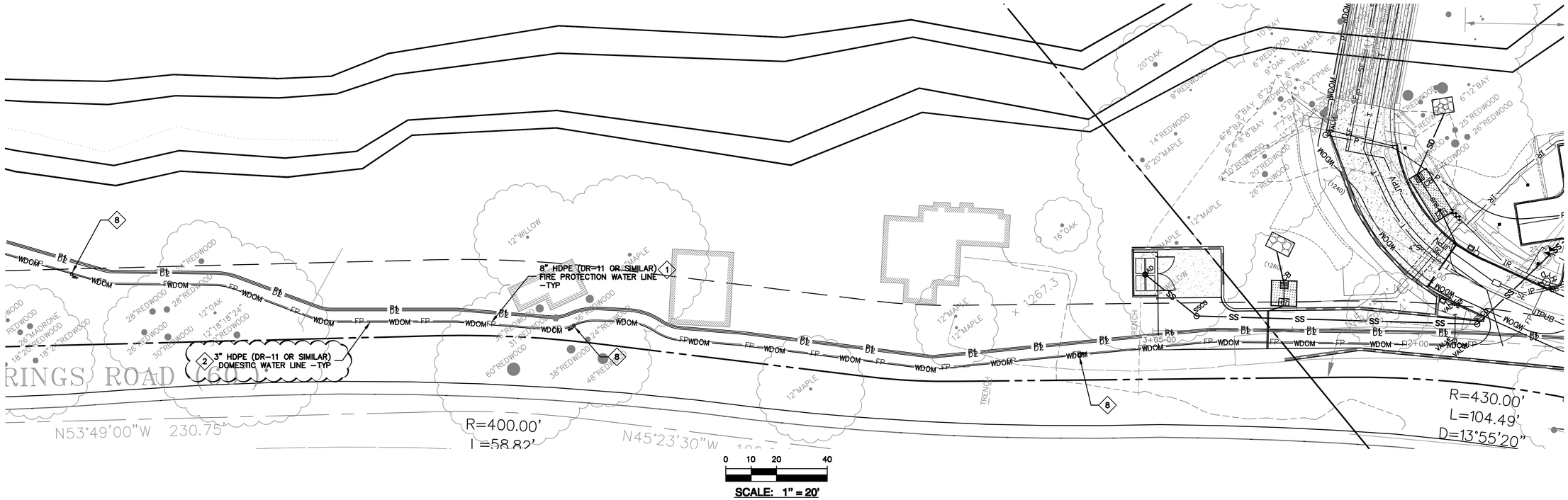

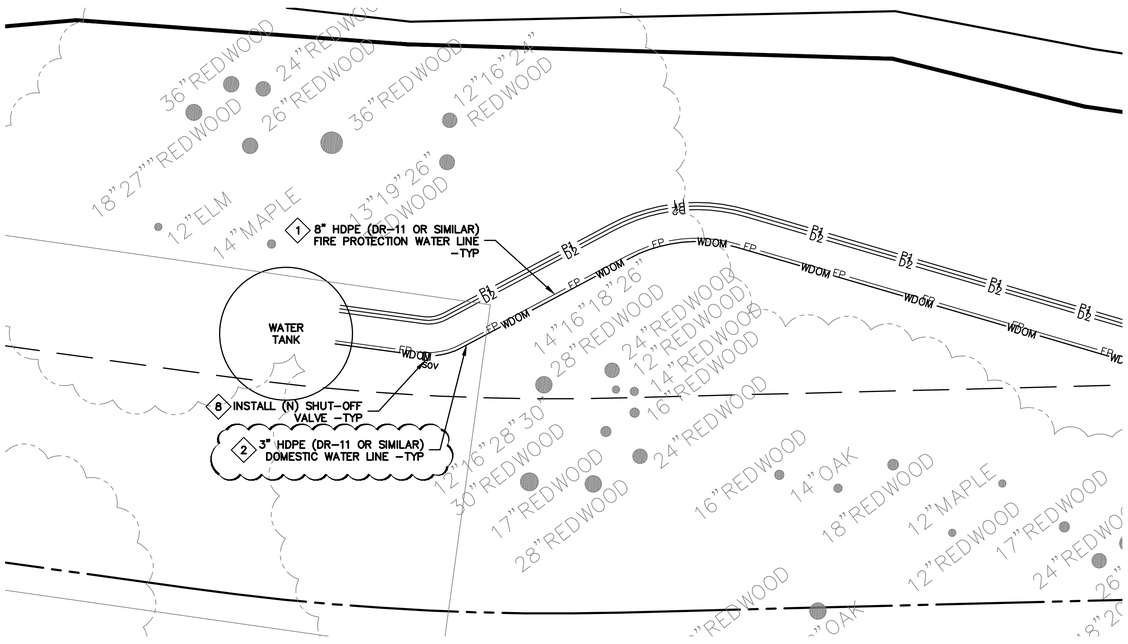

LEGEND

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FP	FIRE PROTECTION LINES
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PETER CARLTON
No. C79555
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
AS SHOWN

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.18

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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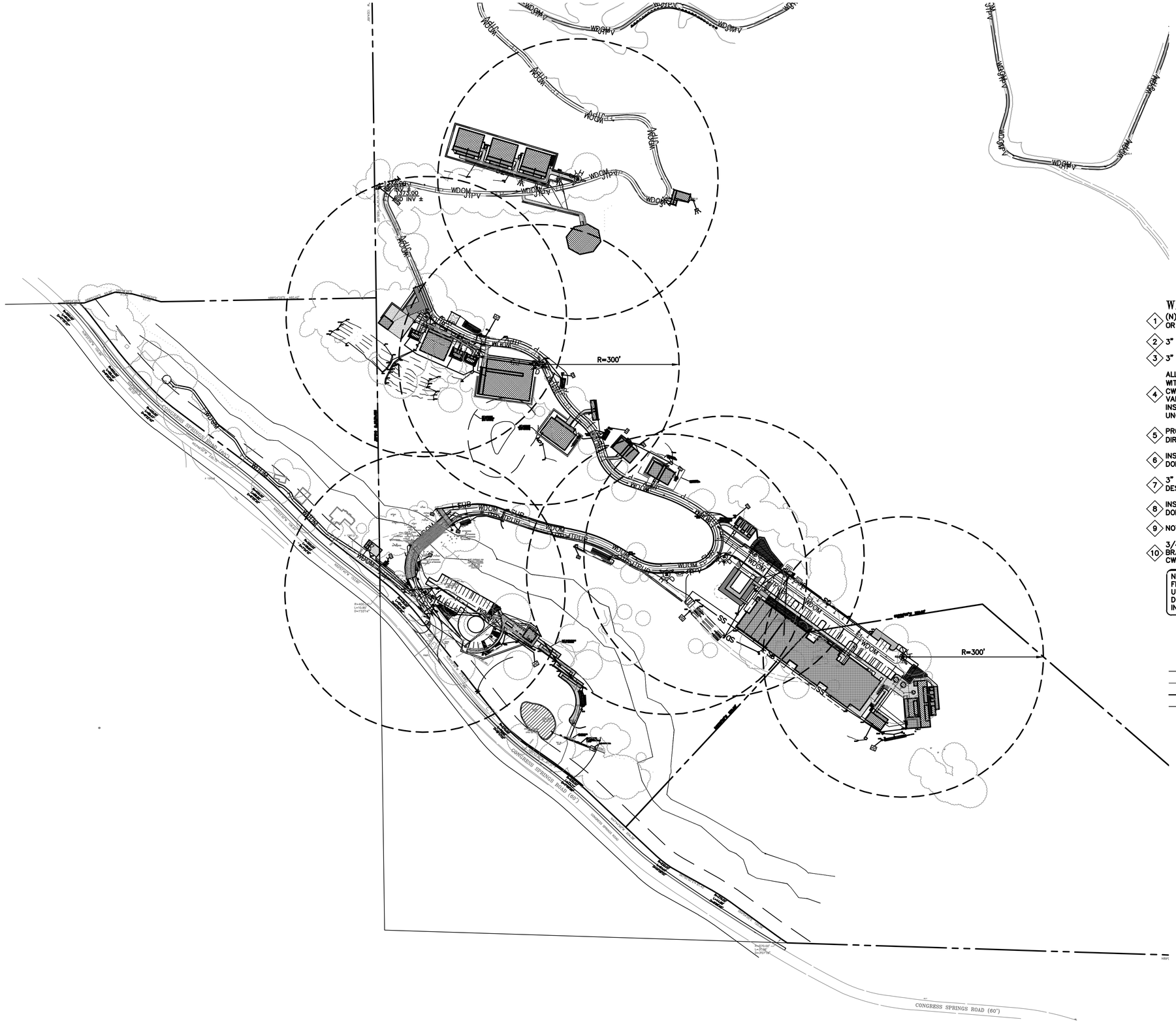

0 50 100 200

SCALE: 1" = 100'

WATER SERVICE KEYNOTES 1 TO 10

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LEGEND

- F1 — FIRE ALARM POWER CONDUIT
- FP — FIRE PROTECTION LINES
- WDOM — WATER DOMESTIC LINE
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
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PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION SYSTEM PLAN

SCALE
1" = 100'

Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.19

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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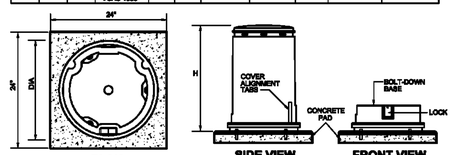
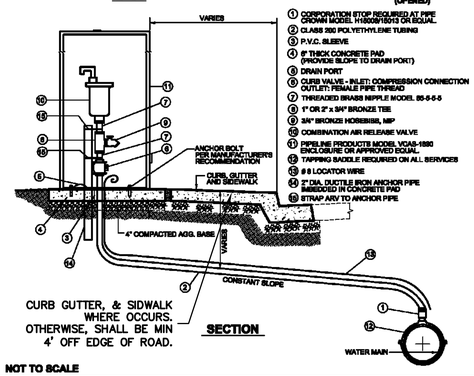
MAIN SIZE	MAX. MAIN SLOPE	AIR VALVE SIZE	BOX MODEL	DIMENSION DIA	DIMENSION H	ANCHOR PIPE DIA	PAD SIZE	P.E. TUBING	CORP. STOP MODEL	CURB VALVE
UP TO 6"	5%	1"	PIPELINE PRODUCTS VCAS-1030	18"	30"	1.5"	24" x 24"	1"	MUELLER H-15008	1" MUELLER H-10172
>6"	5%	2"	PIPELINE PRODUCTS VCAS-1030	18"	30"	2"	24" x 24"	2"	MUELLER H-15013	2" MUELLER H-10172





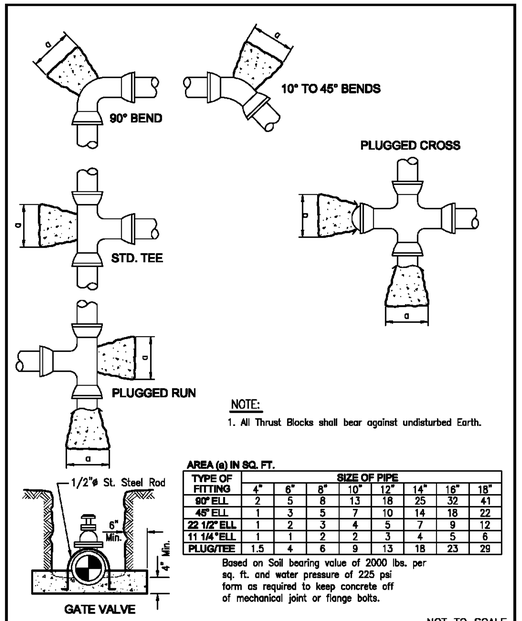
1. CORPORATION STOP REQUIRED AT PIPE CROWN MODEL H-15008/15013 OR EQUAL.
2. CLASS 200 POLYETHYLENE TUBING
3. P.V.C. SLEEVE
4. 6" THICK CONCRETE PAD (PROVIDE SLOPE TO DRAIN PORT)
5. DRAIN PORT
6. CURB VALVE - INLET: COMPRESSION CONNECTION OUTLET: FEMALE PIPE THREAD
7. THREADED BRASS NIPPLE MODEL 85-5-5-5
8. 1" OR 2" x 3/4" BRONZE TEE
9. 3/4" BRONZE HORSEBIBB, NRP
10. COMBINATION AIR RELEASE VALVE
11. PIPELINE PRODUCTS MODEL VCAS-1030 ENCLOSURE OR APPROVED EQUAL.
12. TAPPING SADDLE REQUIRED ON ALL SERVICES
13. # 8 LOCATOR WIRE
14. 3" DIA. DUCTILE IRON ANCHOR PIPE EMBEDDED IN CONCRETE PAD
15. STRAP ANY TO ANCHOR PIPE

NOT TO SCALE

ABOVE GROUND COMBINATION AIR RELEASE & VACUUM VALVE

NTS

STANDARD DETAIL
W - 1
SHT 1 OF 1



NOTE:
1. All Thrust Blocks shall bear against undisturbed Earth.

AREA (a) IN SQ. FT.

TYPE OF FITTING	SIZE OF PIPE 4"	6"	8"	10"	12"	14"	16"	18"
90° ELL	2	5	8	13	18	25	32	41
45° ELL	1	3	5	7	10	14	18	22
22 1/2° ELL	1	2	3	4	5	7	9	12
11 1/4° ELL	1	1	2	2	3	4	5	6
PLUG/TEE	1.5	4	6	9	13	18	23	29

Based on Soil bearing value of 2000 lbs. per sq. ft. and water pressure of 225 psi form as required to keep concrete off of mechanical joint or flange bolts.

NOT TO SCALE

THRUST BLOCKS

NTS

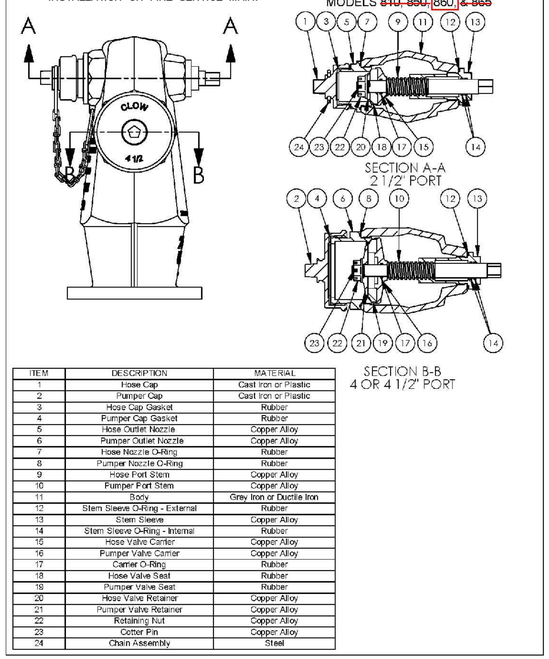
STANDARD DETAIL
W - 7
SHT 1 OF 1

NOTE:
BREAKAWAY CHECK VALVES AT HYDRANTS SHALL BE INSTALLED. VALVES SHALL BE LISTED FOR INSTALLATION ON FIRE SERVICE MAIN.

800 SERIES WET BARREL HYDRANT MATERIAL LIST

CLOW VALVE COMPANY

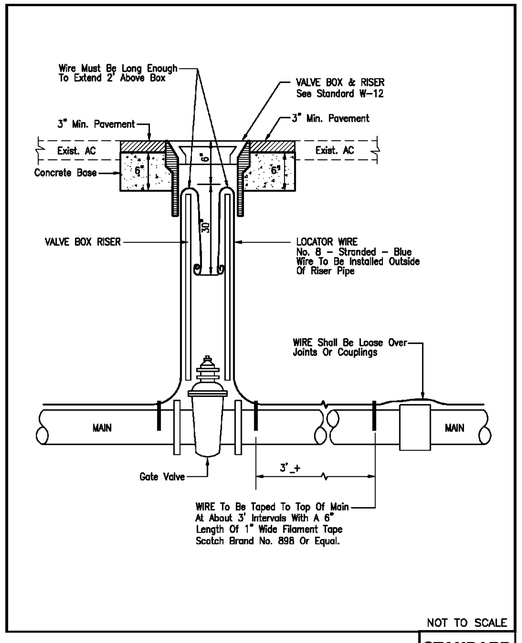
MODELS ~~810, 850,~~ 860 ~~& 865~~



ITEM	DESCRIPTION	MATERIAL
1	Hose Cap	Cast Iron or Plastic
2	Pumper Cap	Cast Iron or Plastic
3	Hose Cap Gasket	Rubber
4	Pumper Cap Gasket	Rubber
5	Hose Outlet Nozzle	Copper Alloy
6	Pumper Outlet Nozzle	Copper Alloy
7	Hose Nozzle O-Ring	Rubber
8	Pumper Nozzle O-Ring	Rubber
9	Hose Port Stem	Copper Alloy
10	Pumper Port Stem	Copper Alloy
11	Body	Grey Iron or Ductile Iron
12	Stem Sleeve O-Ring - External	Rubber
13	Stem Sleeve	Copper Alloy
14	Stem Sleeve O-Ring - Internal	Rubber
15	Hose Valve Carrier	Copper Alloy
16	Pumper Valve Carrier	Copper Alloy
17	Carrier O-Ring	Rubber
18	Hose Valve Seat	Rubber
19	Pumper Valve Seat	Rubber
20	Hose Valve Retainer	Copper Alloy
21	Pumper Valve Retainer	Copper Alloy
22	Retaining Nut	Copper Alloy
23	Cotter Pin	Copper Alloy
24	Chain Assembly	Steel

FIRE HYDRANT

NTS

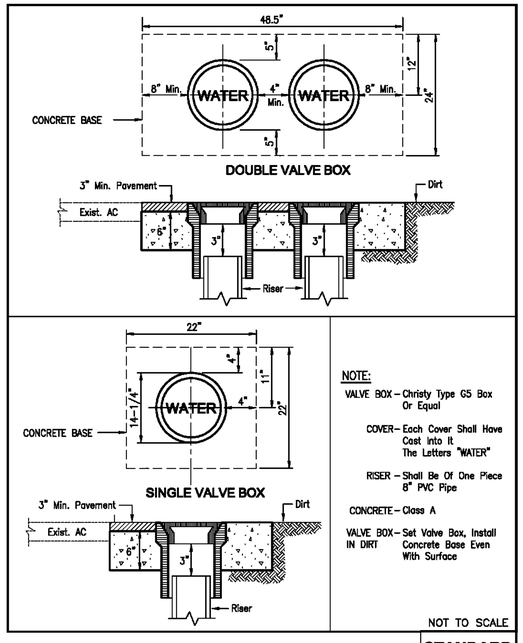


NOT TO SCALE

LOCATOR WIRE

NTS

STANDARD DETAIL
W - 10
SHT 1 OF 1



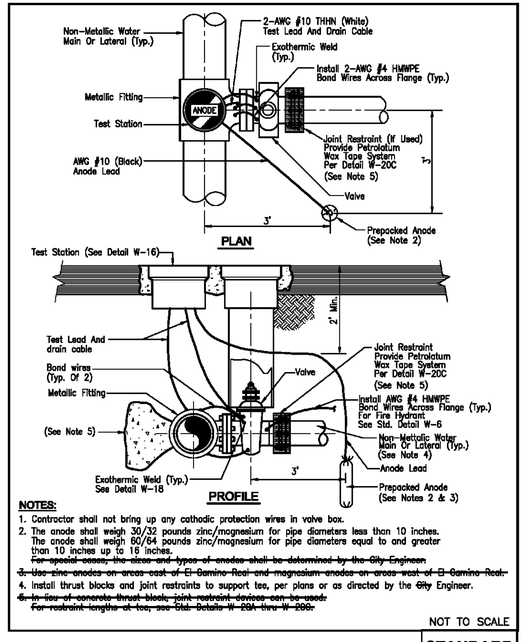
NOTE:
VALVE BOX - Christy Type G5 Box Or Equal
COVER - Each Cover Shall Have Cast into It The Letters "WATER"
RISER - Shall Be Of One Piece 8" PVC Pipe
CONCRETE - Class A
VALVE BOX - IN DIRT - Set Valve Box, Install Concrete Base Even With Surface

NOT TO SCALE

VALVE BOX & RISER

NTS

STANDARD DETAIL
W - 12
SHT 1 OF 1



NOTES:
1. Contractor shall not bring up any cathodic protection wires in valve box.
2. The anode shall weigh 30/32 pounds zinc/magnesium for pipe diameters less than 10 inches. The anode shall weigh 60/64 pounds zinc/magnesium for pipe diameters equal to and greater than 10 inches up to 16 inches.
   ~~For special cases, the sizes and types of anodes shall be determined by the City Engineer.~~
3. ~~Use zinc anodes on areas east of El Camino Real and magnesium anodes on areas west of El Camino Real.~~
4. Install thrust blocks and joint restraints to support tee, per plans or as directed by the ~~City~~ Engineer.
5. ~~In lieu of concrete thrust block, joint restraint devices can be used. For restraint lengths at tee, see Std. Details W-20A thru W-20G.~~

NOT TO SCALE

CATHODIC PROTECTION AT FITTINGS & VALVES

NTS

STANDARD DETAIL
W - 14
SHT 1 OF 1

ELLISON CONSERVATION CENTER FOR WILDLIFE CARE
SARATOGA, CA

REGISTERED PROFESSIONAL ENGINEER
PETER CARLSON
No. C79535
CIVIL
STATE OF CALIFORNIA
ORIGINAL SIGNATURES IN BLUE INK

KSH ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
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ROSEVILLE, CA 95661
(P) (916)966-1338
(F) (916)797-7363
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ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION
04-11-19	PLAN CHECK 1
04-22-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL
05-10-21	ASA 3 PLAN CHECK #1

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
WATER DISTRIBUTION DETAILS

	SCALE
	NTS
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.20

ASA/USE PERMIT MODIFICATION #3
PLN-17-6943

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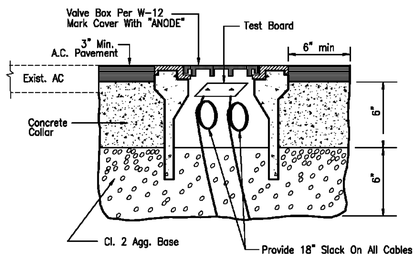
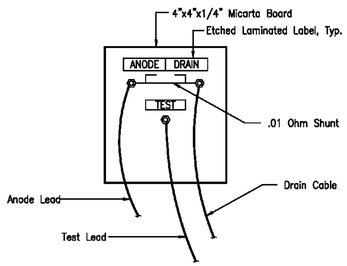


TEST STATION HOUSING DETAIL



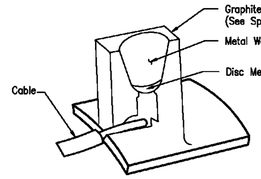
TEST BOARD DETAIL

NOT TO SCALE

CATHODIC PROTECTION TEST STATION HOUSING

NTS

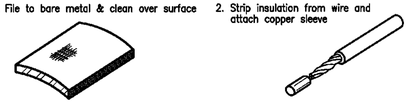
STANDARD DETAIL
W - 16
SHT 1 OF 1



MOLD DETAIL

STEPS:

1. File to bare metal & clean over surface
2. Strip insulation from wire and attach copper sleeve



3. Hold mold firmly with opening away from operator ignite with flint gun.
4. Remove slag from connection, cover connection with compatible coating over metal all exposed.

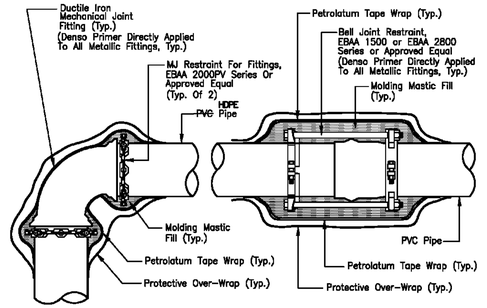


NOT TO SCALE

CATHODIC PROTECTION EXOTHERMIC WELD

NTS

STANDARD DETAIL
W - 18
SHT 1 OF 1



NOTES:

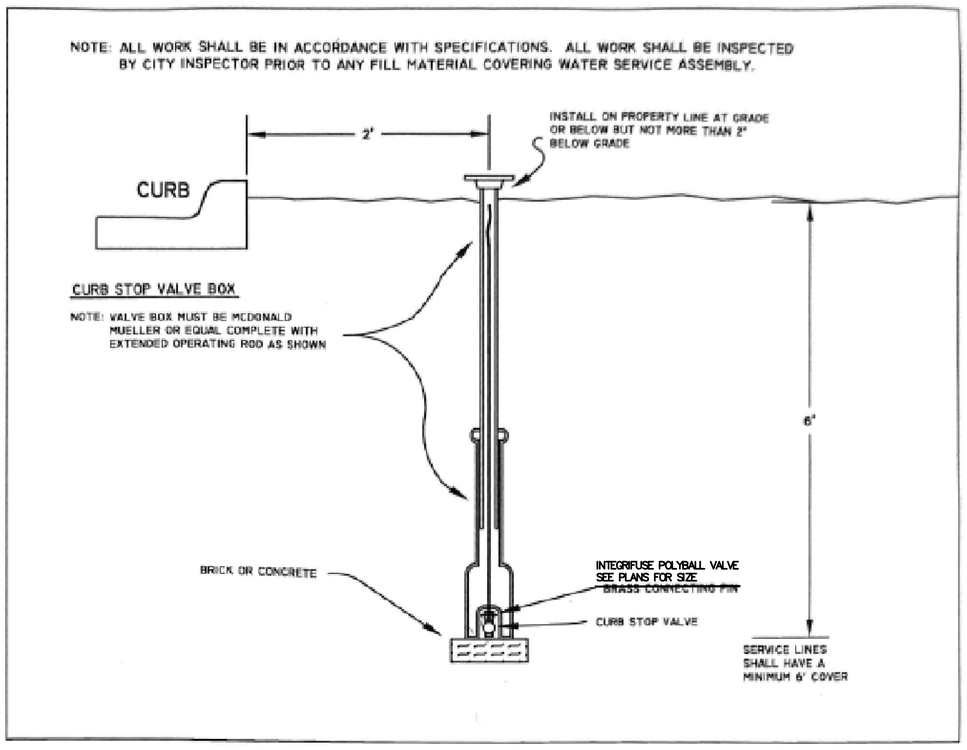
1. The petrolatum tape system is by Trenton Corporation, Denso Paste and Densyl Tape made by Denso North America, or approved equal. See installation steps below notes.
2. Applicable to fittings in horizontal and vertical orientations.
3. Provide a smooth profile on irregular shaped fittings such as flanged joints and joint restraints using molded mastic filler packed into irregularities to eliminate bridging and voids prior to wrapping.
4. Over-Wrap shall be plasticized PVC tape with rubber adhesive.
5. Installation steps in order are listed below.
   a. Apply Denso Primer.
   b. Apply Molded Plastic filler.
   c. Install Petrolatum Tape.
   d. Install protective Over-Wrap.

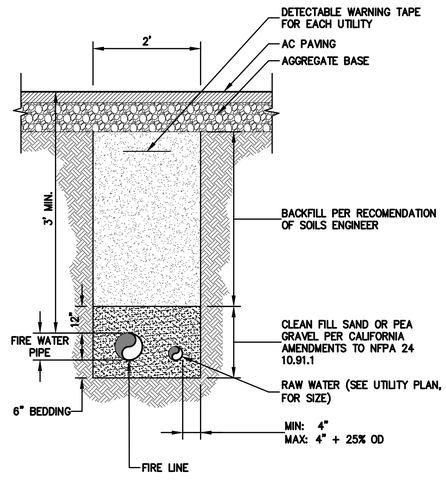
NOT TO SCALE

JOINT RESTRAINT WITH PETROLATUM TAPE SYSTEM

NTS

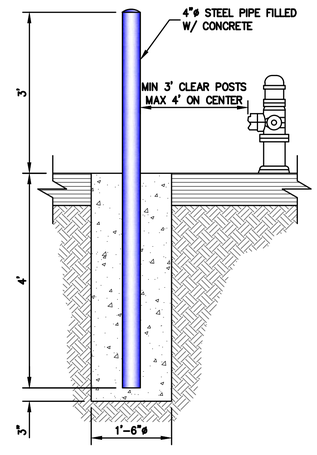
STANDARD DETAIL
W - 20C
SHT 1 OF 1





JOINT TRENCH BACKFILL FIRE WATER

NTS



BOLLARD

NTS

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SCALE	NTS
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Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER
CWD-12.21

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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