

COUNTY OF SANTA CLARA
General Construction
Specifications

GENERAL CONDITIONS

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY **EARTH SYSTEMS PACIFIC & DATED JULY 25, 2018**. 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.
- 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.
- 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.
- 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.
- DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA.
- 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 REMOVE OF ADDITIONAL TREES HAS BEEN PERMITTED.
- DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
- 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.
- 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 (408) 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. NO FURTHER DISTURBANCE 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 96-18).
- THESE PLANS ARE FOR THE WORK AS DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
- ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION STAKING

- 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.
- ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR.
- 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.
- 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

- CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
- THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT/CONCRETE INSPECTION.
- 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) 299-6868 AT LEAST 24 HOURS PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
- 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.
- THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR COMMENCEMENT OF THE BUILDING FOUNDATION.

SITE PREPARATION (CLEARING AND GRUBBING)

- EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS:
 - TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO PUBLIC USE)
 - FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
- 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

- 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.
- 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.
- 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.
- 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.
- 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.
- BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.

STORM DRAINAGE AND STORM WATER MANAGEMENT

- 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. 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.
- 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.
- UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES.
- THE COUNTY ENGINEERING INSPECTOR SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS PRIOR TO BACKFILL.

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
- COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FRESH ROAD.
- 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.
- 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.
- SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
- 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.
- ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
- 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.
- POST A SIGN THAT IS AT LEAST 32 SQUARE FEET 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
 - 8.5 MINUTES MAXIMUM IDLING TIME OF VEHICLES
 - C. TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST CONTROL. PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAINT HOTLINE OF 1-800-334-6367
- ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
- 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.
- ALL DITCHES SHALL BE LINED PER COUNTY STANDARD 508.
- ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATORS 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.
- PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
- 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.
- THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR.
- THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST 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:
 - PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYOWN / STAGING AREAS.
 - PREVENTION OF TRACKING OF MUD, DIRT, AND CONSTRUCTION MATERIALS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
 - PREVENTION OF DISCHARGE OF WATER RUN-OFF DURING DRY AND WET WEATHER CONDITIONS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
- 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 AREA'S, ECT. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY.
- EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLUC 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 AND SITUATIONALLY APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

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ACCESS ROADS AND DRIVEWAYS

- 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 ALLOWED SLOPE OF 1 1/4 INCHES PER FOOT).
- 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.
- THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.
- 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.
- 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

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

SANITARY SEWER

- THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS PROJECT AND ARE SHOWN FOR REFERENCE ONLY.
- 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.

RETAINING WALLS

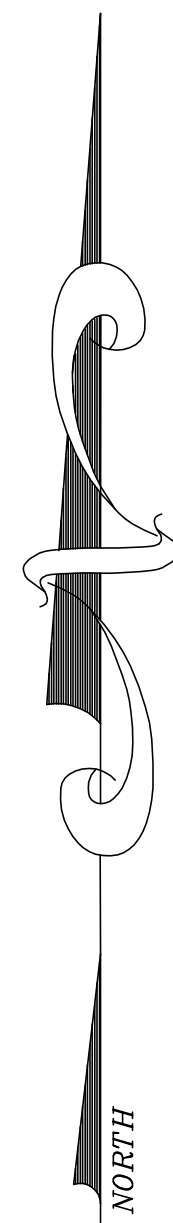
- REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR AND ENGINEER OF RECORD PRIOR TO POURING THE FOUNDATION AND FORMING THE WALL.
- SEGMENTAL BLOCK RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT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

TREE PROTECTION

- 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:
 - FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRUPLINE OF THE TREE OR GROVE OF TREES.
 - THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE MAINTENANCE OF THE PROJECT AND SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION.
 - FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES.
 - SIGNAL STATING A WARNING THAT FENCING SHALL NOT BE REMOVED WITHOUT PERMISSION FROM THE SANTA CLARA COUNTY PLANNING OFFICE (408) 299-5700. 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.
- PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACE AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.
- SEE EXISTING TREE PROTECTION DETAILS FOR MORE INFORMATION.

GRADING

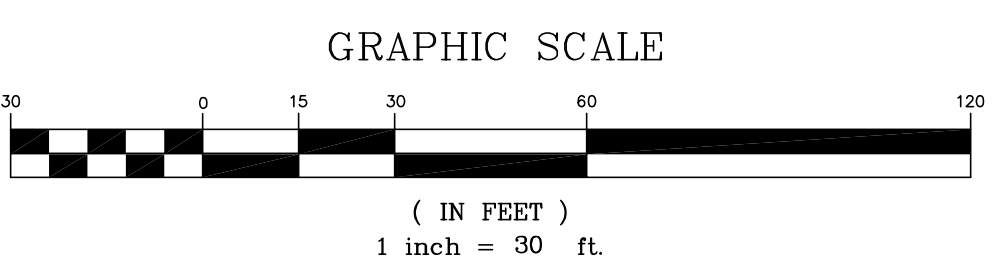
- EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IS SHALL BE STRIPPED OF ALL VEGETATION. TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE SCARIFIED TO DEPTH OF 6" BEFORE FILL IS PLACED. WHERE NATURAL GROUND IS STEEPER THAN 5:1, IT SHALL BE BENCHED AND THE FILL KEVED IN TO ACHIEVE STABILITY. WHERE NEW FILL IS TO BE PLACED ON EXISTING FILL THE EXISTING FILL SHALL BE REMOVED UNTIL MATERIAL BROUGHT TO A WATER TABLE. WHERE 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 TABLE. WHERE RELATIVE COMPACTION IS EXPOSED, THEN THE NEW FILL MATERIAL SHALL BE PLACED AS PER THESE CONSTRUCTION NOTES. 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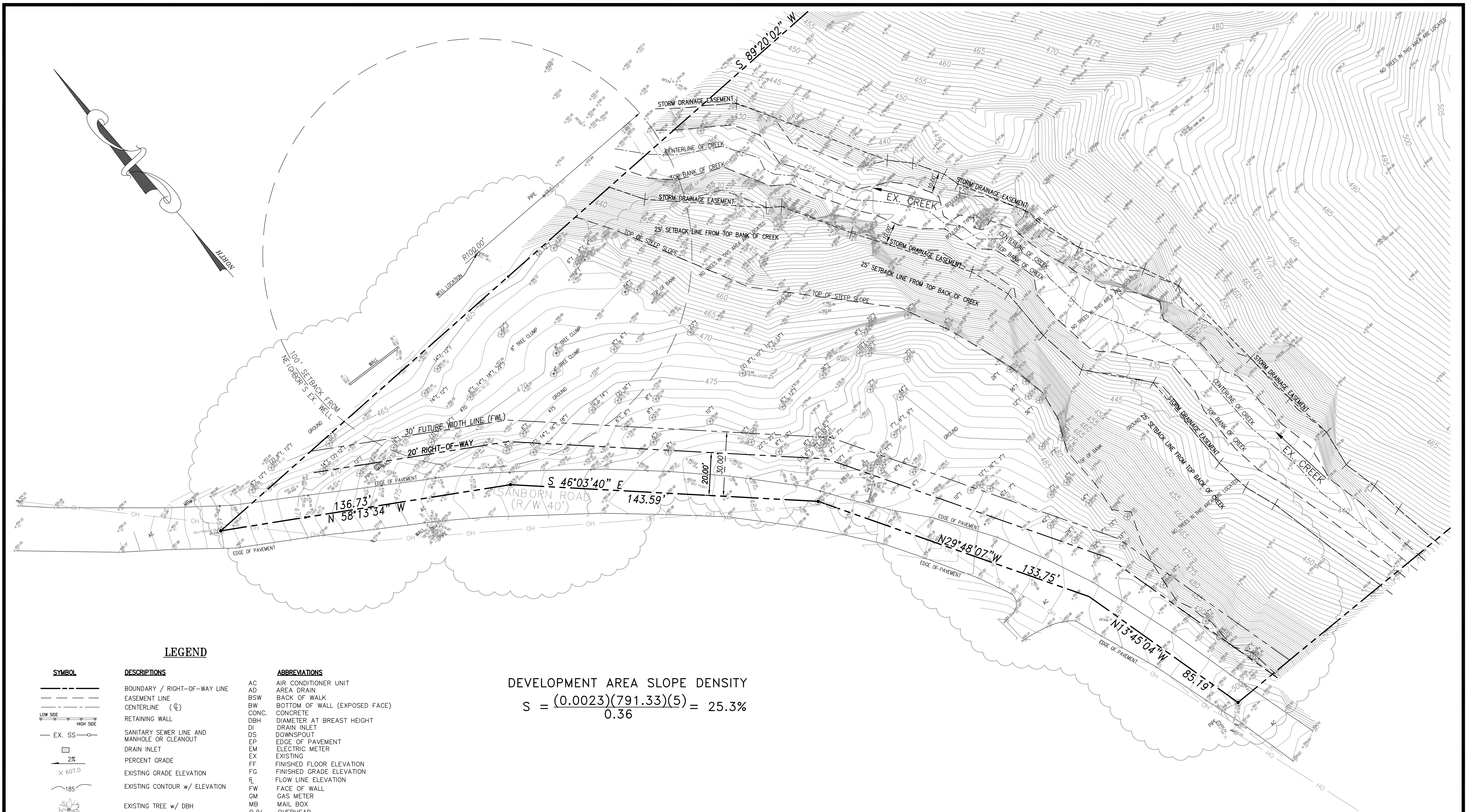
LEGEND

SYMBOL	DESCRIPTIONS	ABBREVIATIONS
	BOUNDARY / RIGHT-OF-WAY LINE	AC AIR CONDITIONER UNIT
	EASEMENT LINE	AD AREA DRAIN
	CENTERLINE (C)	BSW BACK OF WALK
	RETAINING WALL	BW BOTTOM OF WALL (EXPOSED FACE)
	SANITARY SEWER LINE AND MANHOLE OR CLEANOUT	CONC. CONCRETE
	DRAIN INLET	DBH DIAMETER AT BREAST HEIGHT
	PERCENT GRADE	DI DRAIN INLET
	EXISTING GRADE ELEVATION	DS DOWNSPOUT
	EXISTING CONTOUR w/ ELEVATION	EP EDGE OF PAVEMENT
		EM ELECTRIC METER
		EX EXISTING
		FF FINISHED FLOOR ELEVATION
		FG FINISHED GRADE ELEVATION
		FL FLOW LINE ELEVATION
		FW FACE OF WALL
		GM GAS METER
		MB MAIL BOX
		O/H OVERHEAD
		PL PROPERTY LINE
		PUE PUBLIC UTILITY EASEMENT
		R= RADIUS OF CURVE
		Δ= INCLUDED ANGLE OF CURVE
		L= LENGTH OF CURVE
		SSCO SANITARY SEWER CLEAN-OUT
		WM WATER METER



BENCHMARK: ASSUMED ELEVATION OF 500.00 AT A SET MAG NAIL SET BY SMP ENGINEERS.	BASIS OF BEARINGS: HELD CALCULATED BEARING OF N47°06'31"W BETWEEN SW CORNER OF PARCEL "B" AND NW CORNER OF PARCEL "A", DISTANCE = 962.22 (MEASURED); 962.32 (RECORD) AS SHOWN ON THE RECORD OF SURVEY FILED IN BOOK 199 AT PAGE 7 , SANTA CLARA COUNTY RECORDS.	BOUNDARY: TOPOGRAPHIC SURVEY AS SHOWN WAS DONE BY SMP ENGINEERS IN FEBRUARY 2018. ELEVATIONS SHOWN ABOVE WERE VERIFIED AND AN INDEPENDENT BOUNDARY SURVEY WAS PERFORMED BY HELMUT KORSTICK, PLS IN MAY 2018.
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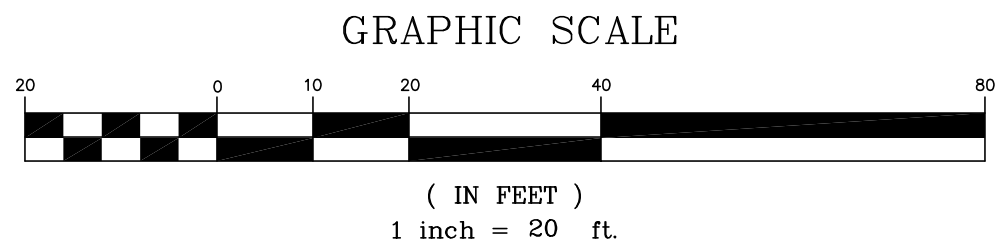
DATE: AUGUST 03, 2021	SCALE: AS SHOWN	DRAWN: DSK	DESIGNED: DSK	ENGINEER: DSK	MANAGER: DSK	NO.	BY	DATE	REVISIONS	CITY APPR	PREPARED BY, OR UNDER THE DIRECTION OF: 	PREPARED BY: STERLING CONSULTANTS 46560 FREMONT BOULEVARD, UNIT NO. 205 FREMONT, CA 94538 1sterlingconsultants@gmail.com	PREPARED FOR: NAMIT GUPTA & SHIVI AGARWAL 3084 CRATER LANE SAN JOSE, CA 95132	GRADING PERMIT / ENCROACHMENT PERMIT & GRADING ABATEMENT / RESTORATION BOUNDARY & TOPOGRAPHIC SURVEY CITY OF SARATOGA (UN-INCORPORATED) SANTA CLARA COUNTY CALIFORNIA	16365 SANBORN ROAD BOUNDARY & TOPOGRAPHIC SURVEY CITY OF SARATOGA (UN-INCORPORATED) SANTA CLARA COUNTY CALIFORNIA	SHEET NO. C2 2 OF 15 SHEETS JOB NO. 2018-343
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LEGEND

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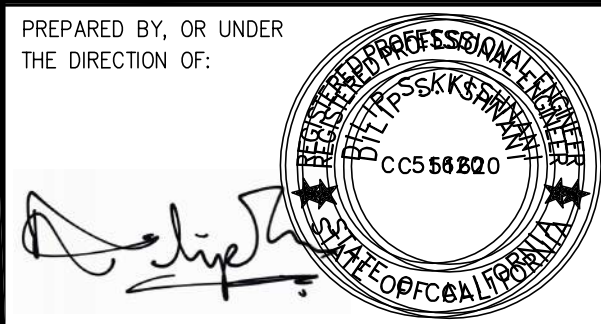
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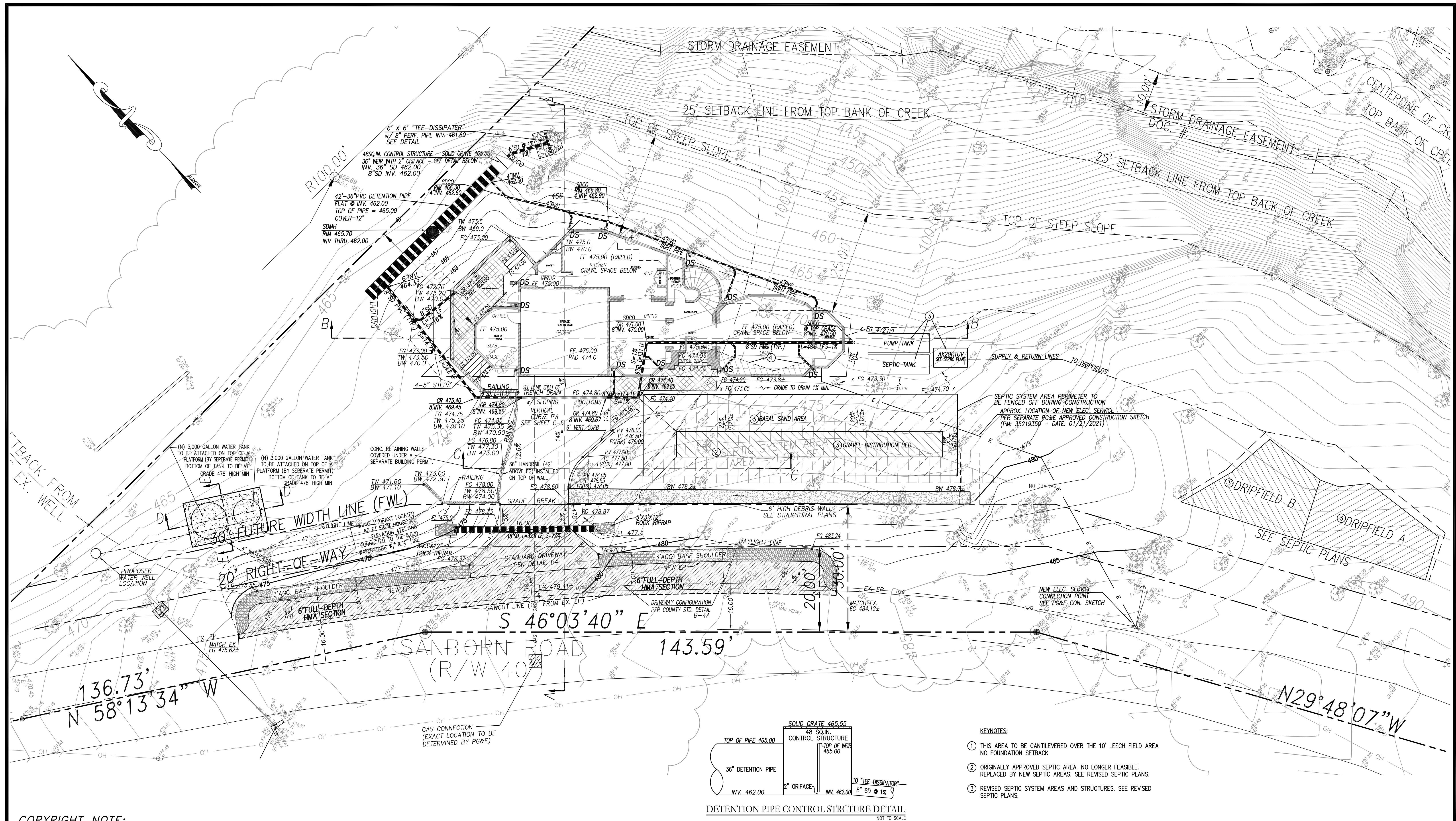
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NO.	BY	DATE	REVISIONS	CITY APPR		



PREPARED BY:
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CITY OF SARATOGA (UN-INCORPORATED)
SANTA CLARA COUNTY
CALIFORNIA



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GRAPHIC SCALE

1 inch = 10 ft.

DETENTION PIPE CONTROL STRUCTURE DETAIL

NOT TO SCALE

KEYNOTES:

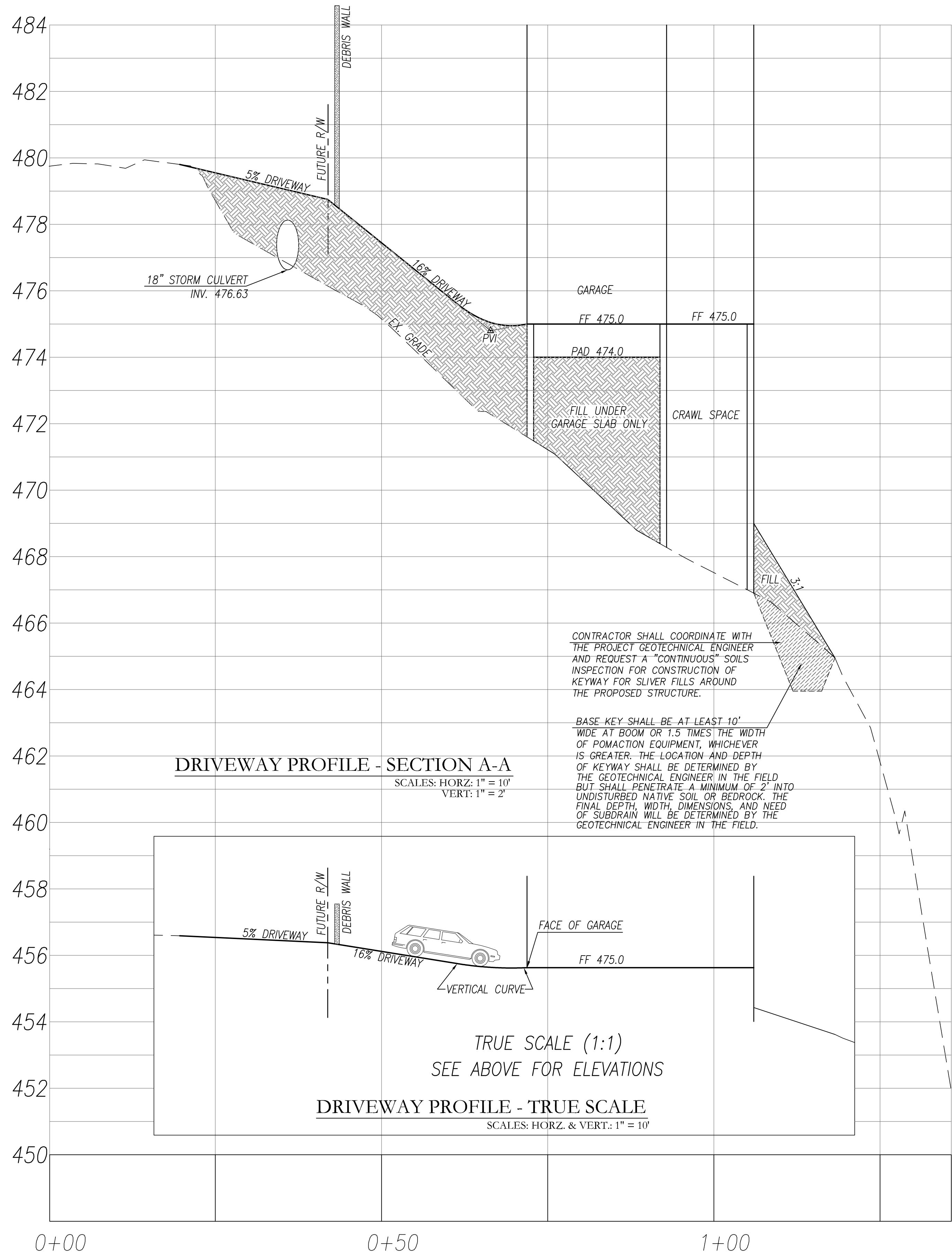
- THIS AREA TO BE CANTILEVERED OVER THE 10' LEECH FIELD AREA NO FOUNDATION SETBACK
- ORIGINALLY APPROVED SEPTIC AREA, NO LONGER FEASIBLE. REPLACED BY NEW SEPTIC AREAS. SEE REVISED SEPTIC PLANS.
- REVISED SEPTIC SYSTEM AREAS AND STRUCTURES. SEE REVISED SEPTIC PLANS.

UTILITY CONNECTIONS: A SEPARATE ENCROACHMENT PERMIT SHALL BE REQUIRED BY THE PROPERTY OWNER OR THE UTILITY COMPANY. IF PROPANE TANKS ARE PROPOSED, IT MUST BE LOCATED OUTSIDE THE RIGHT-OF-WAY.

APPROVED FOR ISSUANCE

REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERING.

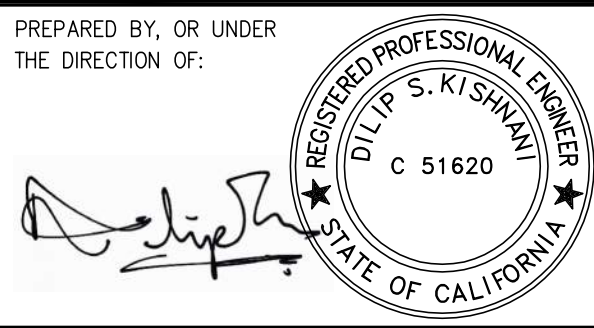
DATE: AUGUST 03, 2021	PREPARED BY: OR UNDER THE DIRECTION OF:	PREPARED BY:	PREPARED FOR:	GRADING PERMIT / ENCROACHMENT PERMIT & GRADING ABATEMENT / RESTORATION	16365 SANBORN ROAD	SHEET NO.
SCALE: AS SHOWN		STERLING CONSULTANTS	NAMIT GUPTA & SHIVI AGARWAL			C4
DRAWN: DSK		46560 FREMONT BOULEVARD, UNIT NO. 205	3084 CRATER LANE			4 OF 15 SHEETS
DESIGNED: DSK		FREMONT, CA 94538	SAN JOSE, CA 95132			JOB NO.
ENGINEER: DSK		1sterlingconsultants@gmail.com				2018-343
MANAGER: DSK						
NO.	BY	DATE	REVISIONS	CITY APPR		



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3084 CRATER LANE
SAN JOSE, CA 95132

GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION

DRIVEWAY PROFILE, SITE SECTIONS, & SIGHT DISTANCE
CITY OF SARATOGA (UN-INCORPORATED) SANTA CLARA COUNTY CALIFORNIA

16365 SANBORN ROAD

SHEET NO.
C5
5 OF 15 SHEETS
JOB NO.
2018-343

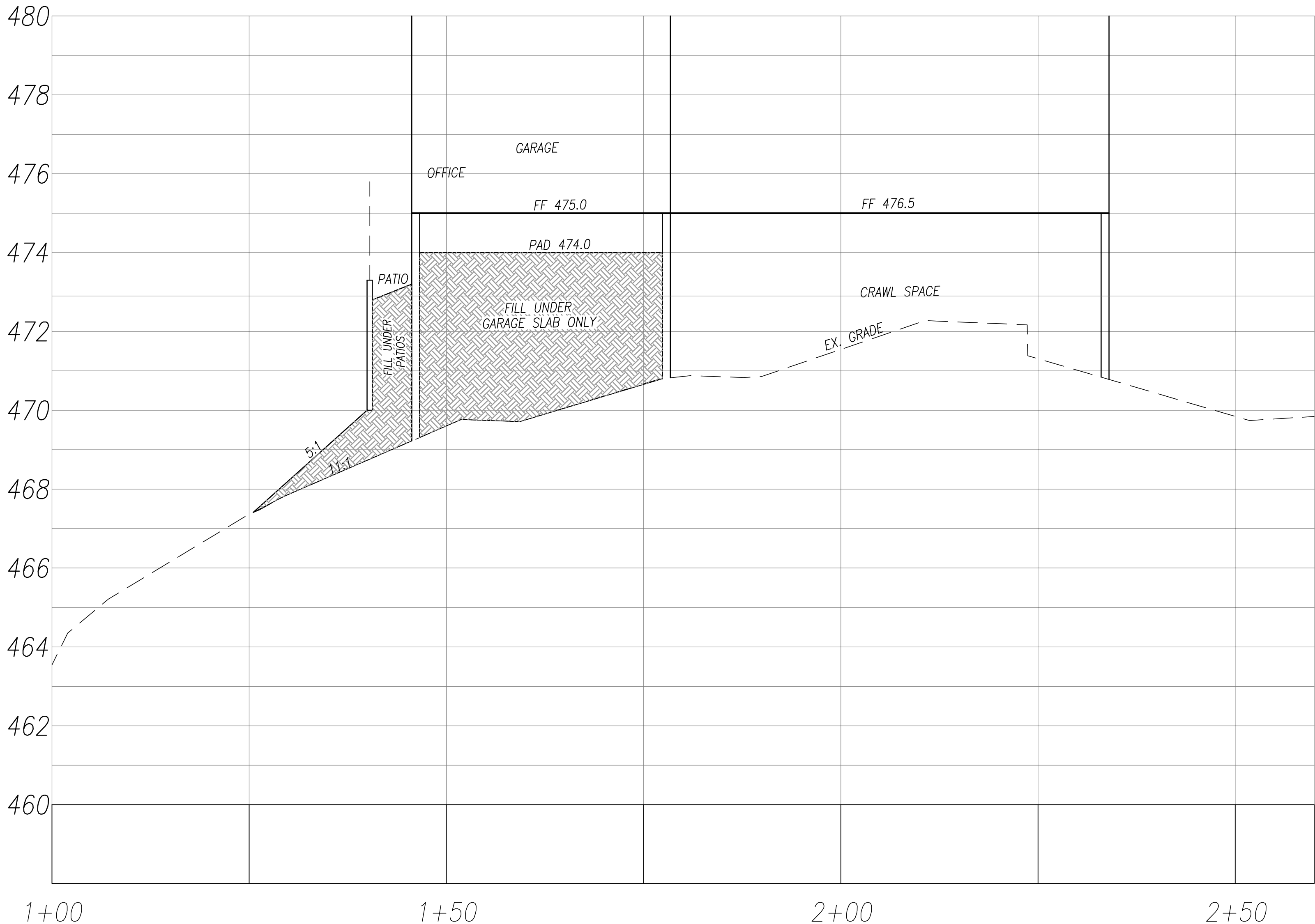
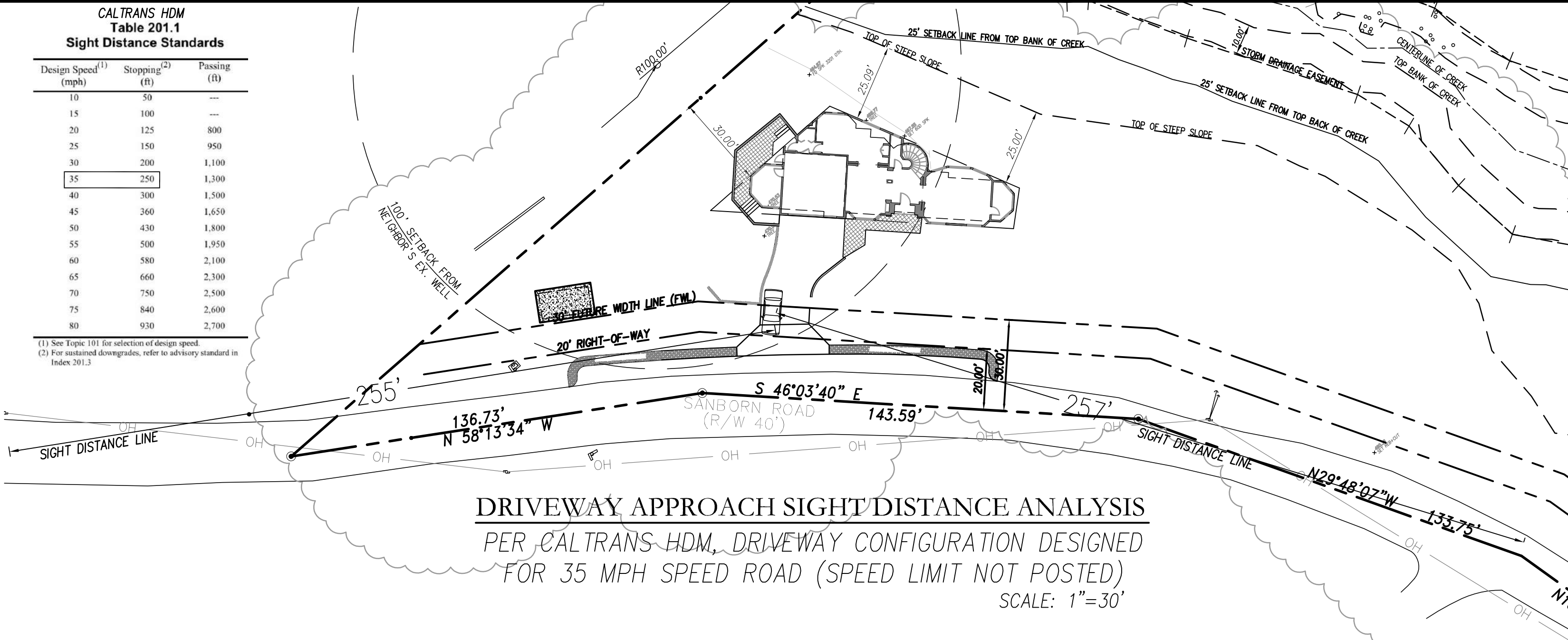
APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

ROAD: SANBORN

COUNTY FILE NO.: PLN18-11220
PLN21-093

CALTRANS HDM Table 201.1 Sight Distance Standards		
Design Speed ⁽¹⁾ (mph)	Stopping ⁽²⁾ (ft)	Passing (ft)
10	50	---
15	100	---
20	125	800
25	150	950
30	200	1,100
35	250	1,300
40	300	1,500
45	360	1,650
50	430	1,800
55	500	1,950
60	580	2,100
65	660	2,300
70	750	2,500
75	840	2,600
80	930	2,700

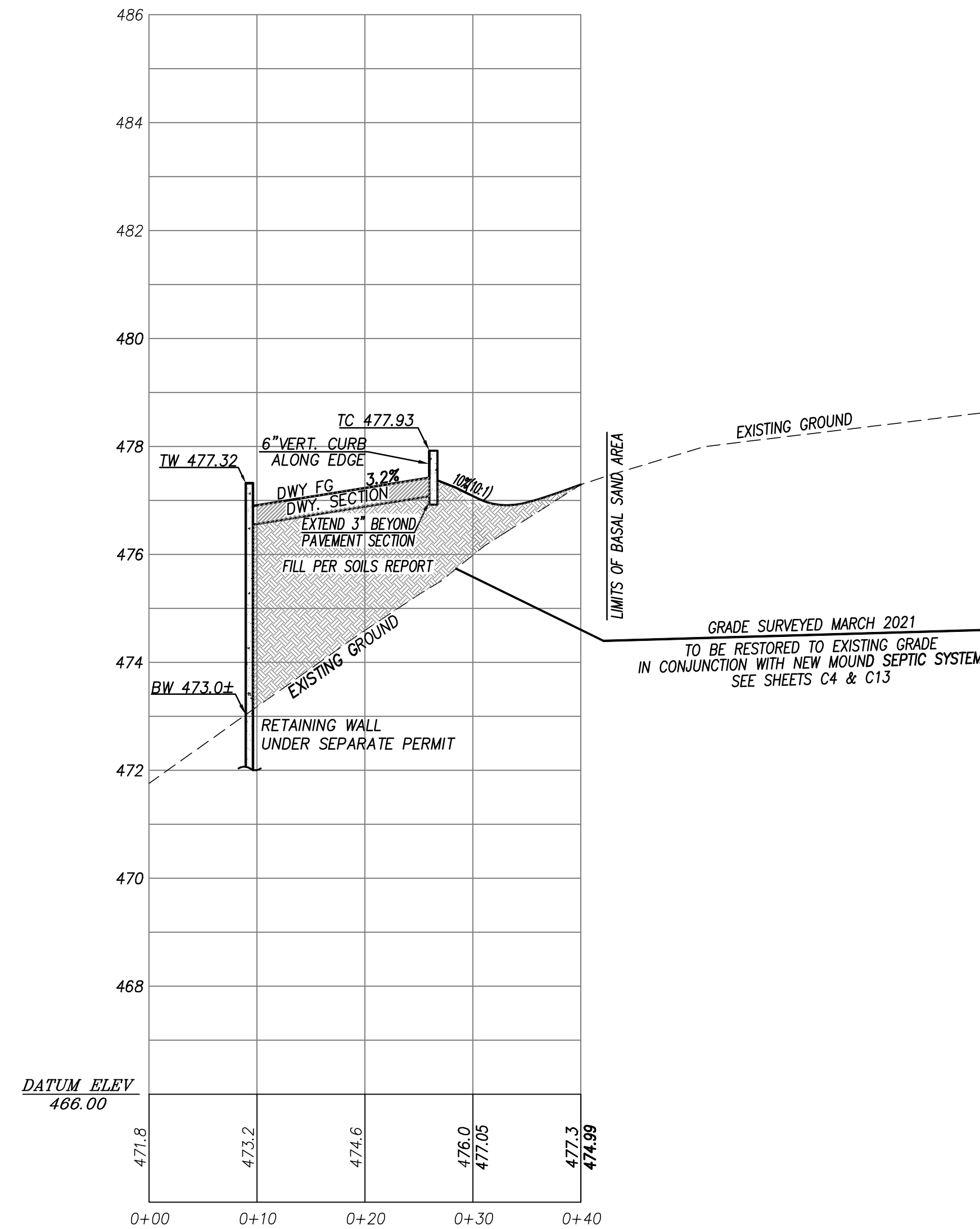
(1) See Table 101 for selection of design speed.
(2) For unattained downgrades, refer to advisory standard in Table 201.1.



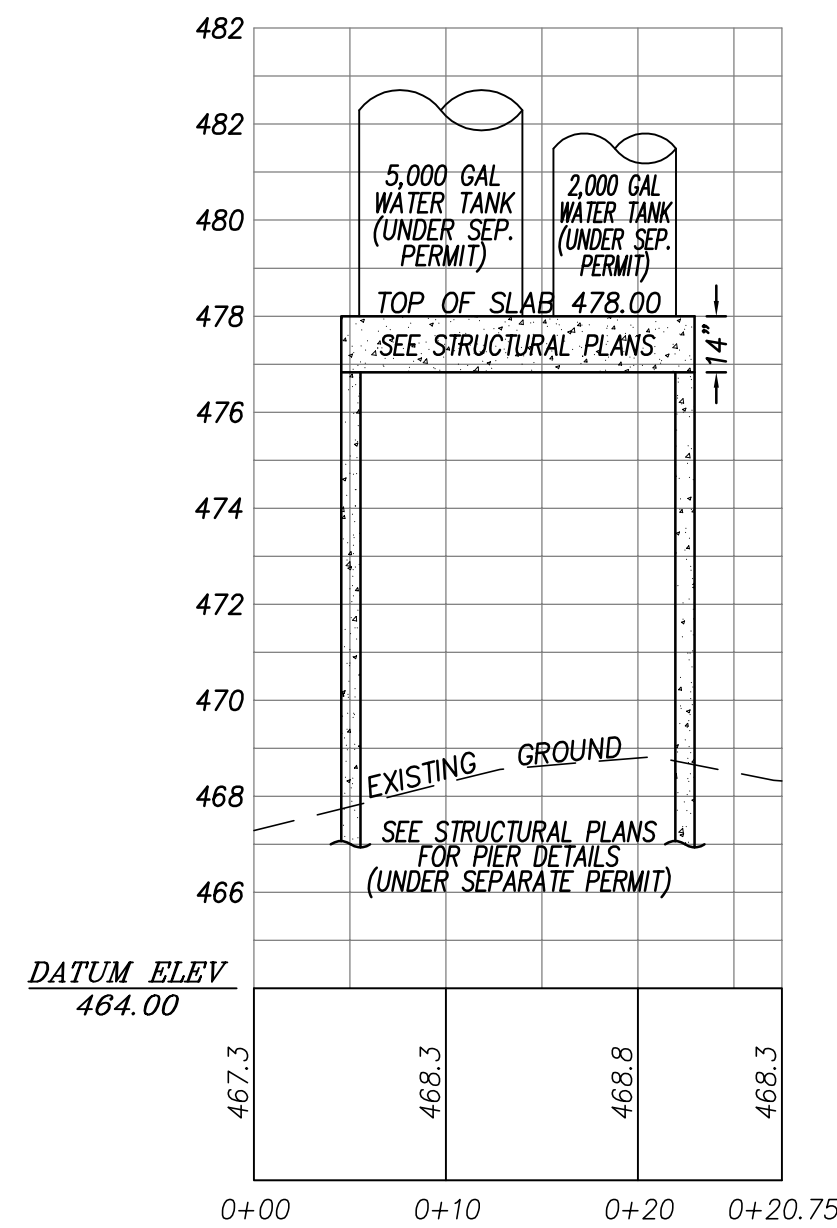
SECTION B-B - NORTH-SOUTH

SCALES: HORZ: 1" = 10'
VERT: 1" = 2'

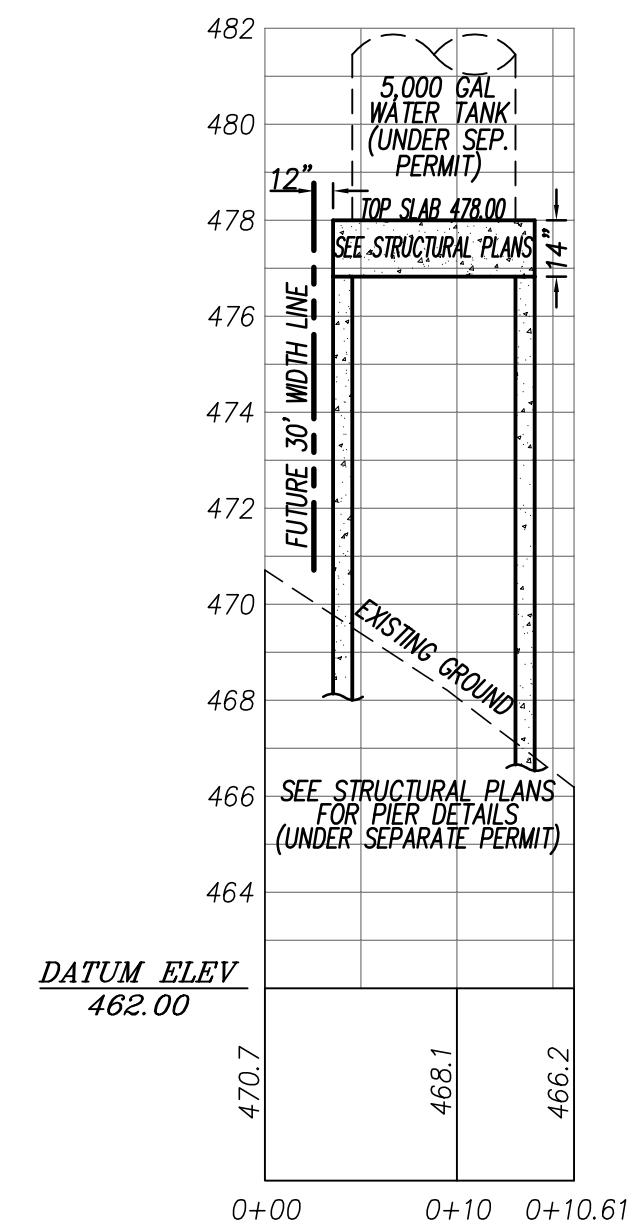
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COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERING.



DRIVEWAY SECTION - SECTION C-C
SCALES: HORZ: 1" = 10'
VERT: 1" = 2'



WATER TANK - SECTION D-D
SCALES: HORZ: 1" = 10'
VERT: 1" = 4'



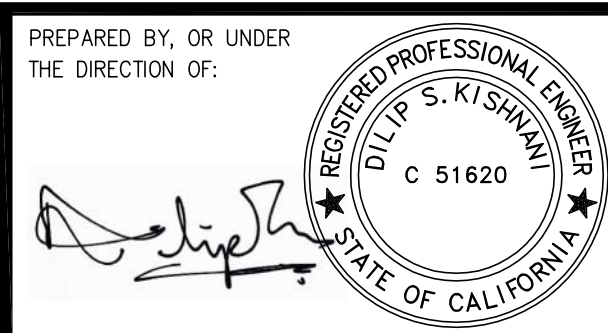
WATER TANK - SECTION E-E
SCALES: HORZ: 1" = 10'
VERT: 1" = 4'

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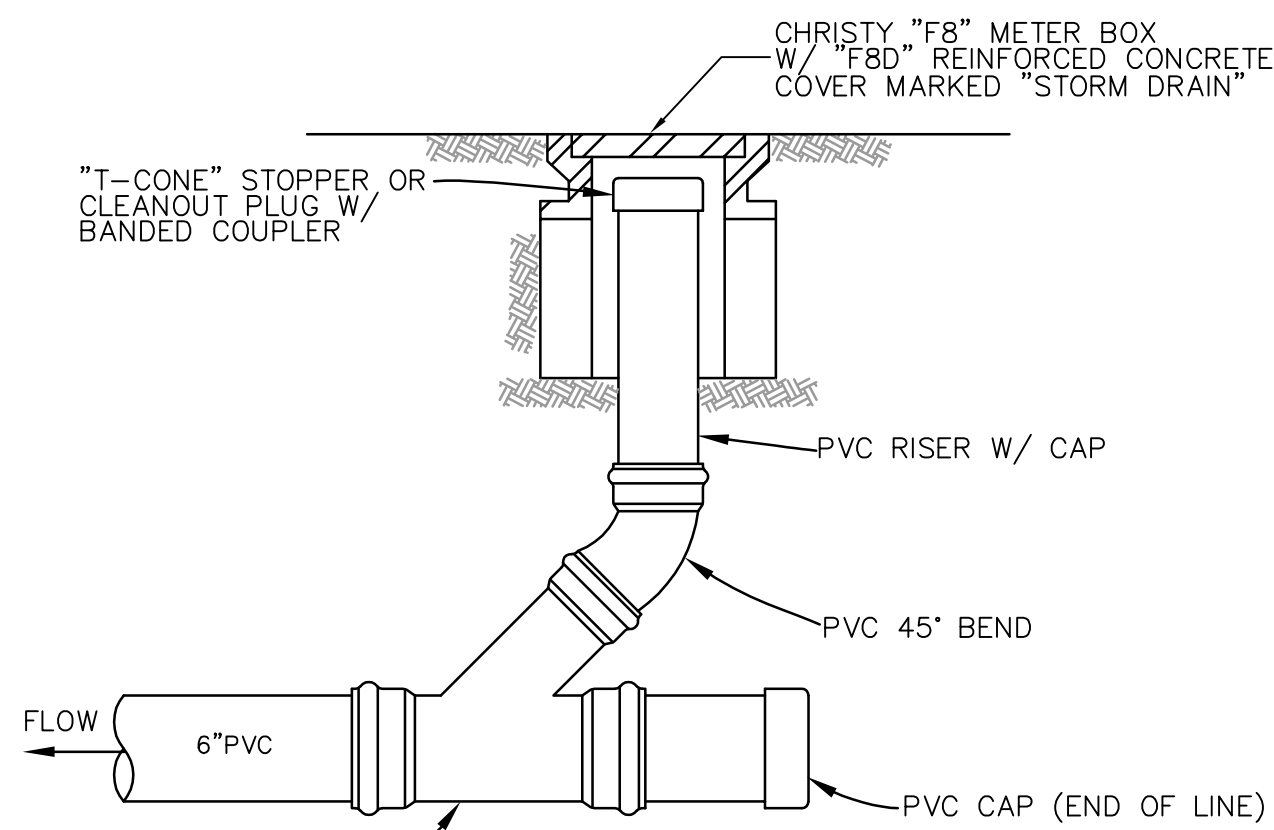
GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION
DRIVEWAY & WATER TANK X-SECTIONS
CITY OF SARATOGA (UN-INCORPORATED) SANTA CLARA COUNTY CALIFORNIA
16365 SANBORN ROAD

SHEET NO.
C6
6 OF 15 SHEETS
JOB NO.
2018-343

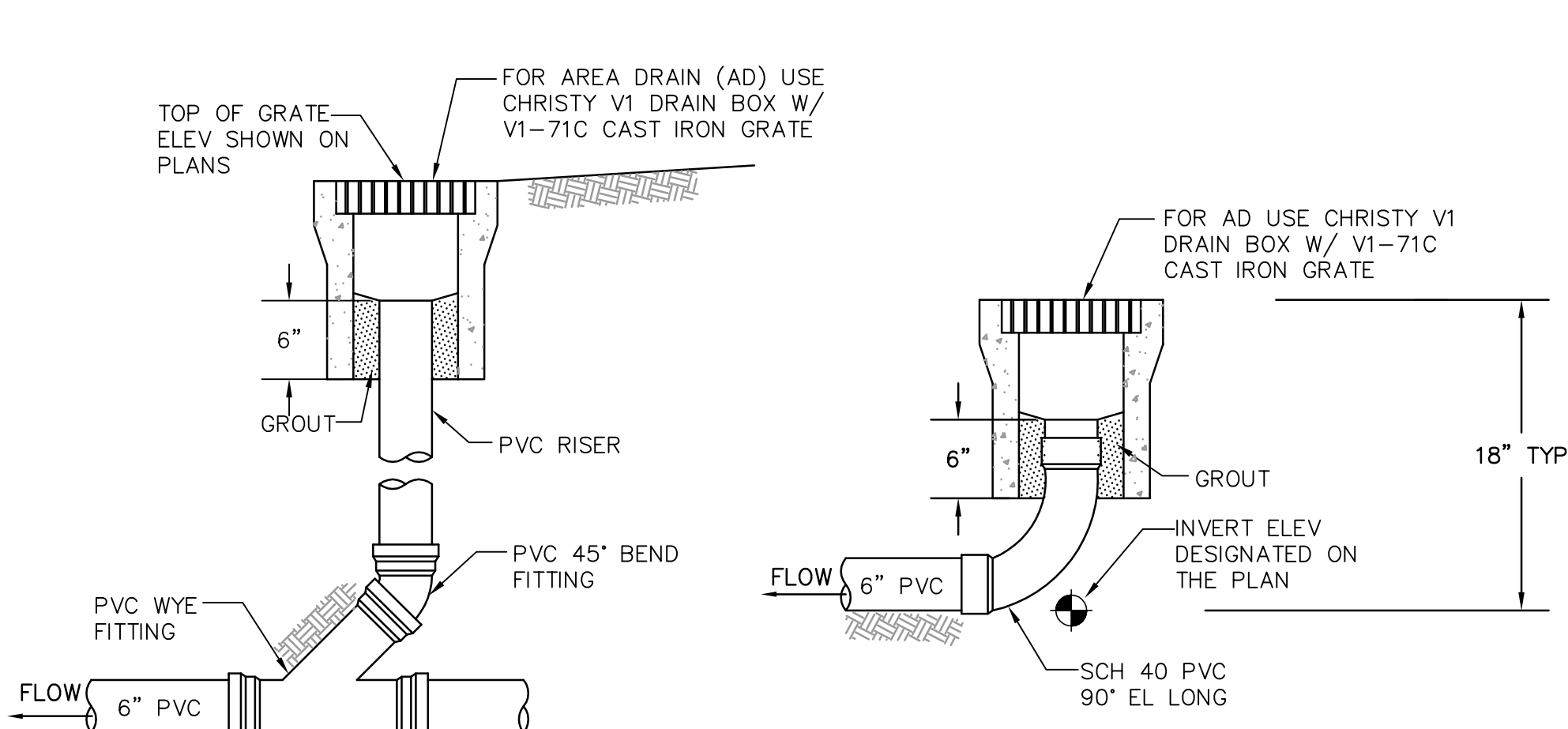
APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

ROAD: SANBORN

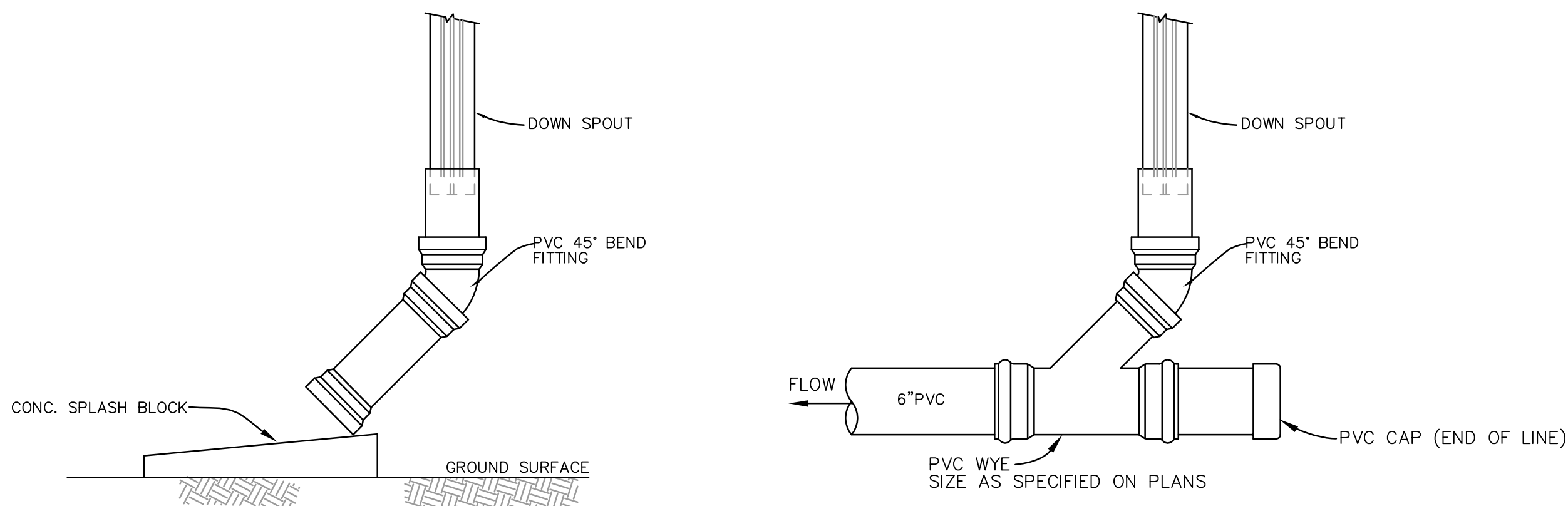
COUNTY FILE NO.: PLN18-11220
PLN21-093



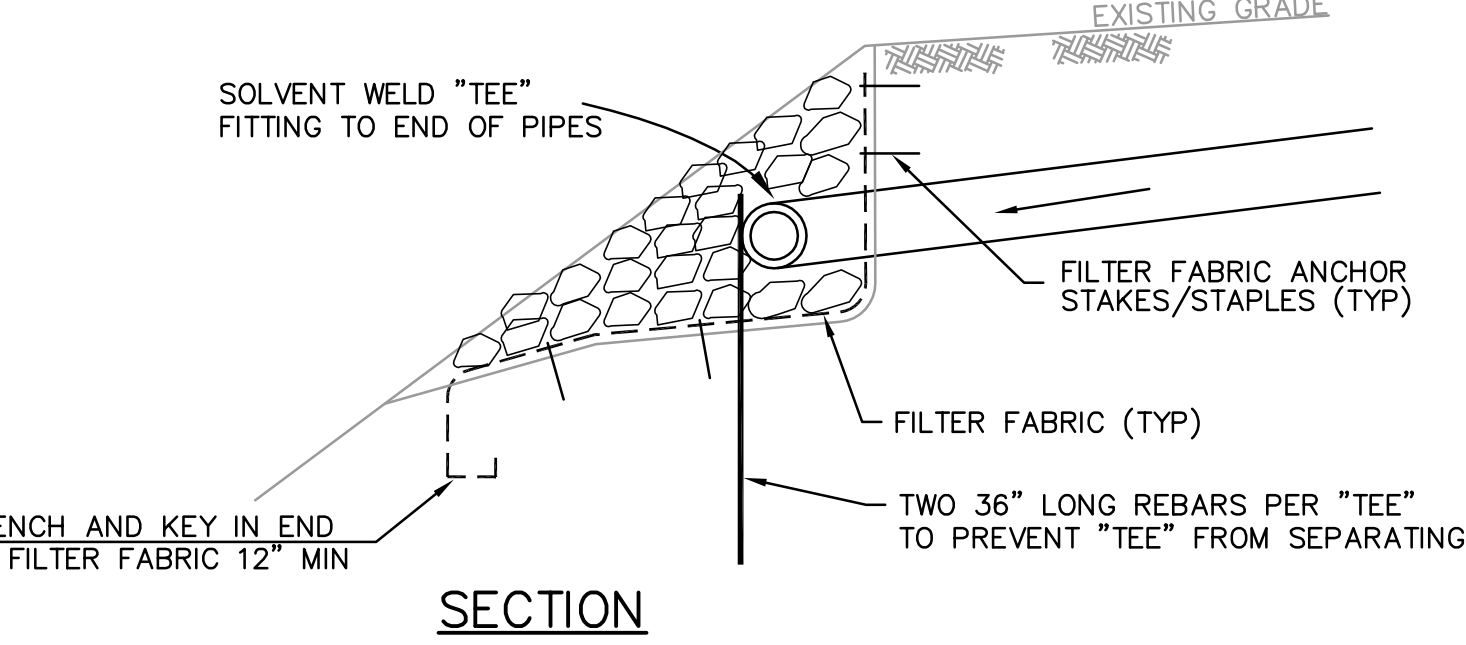
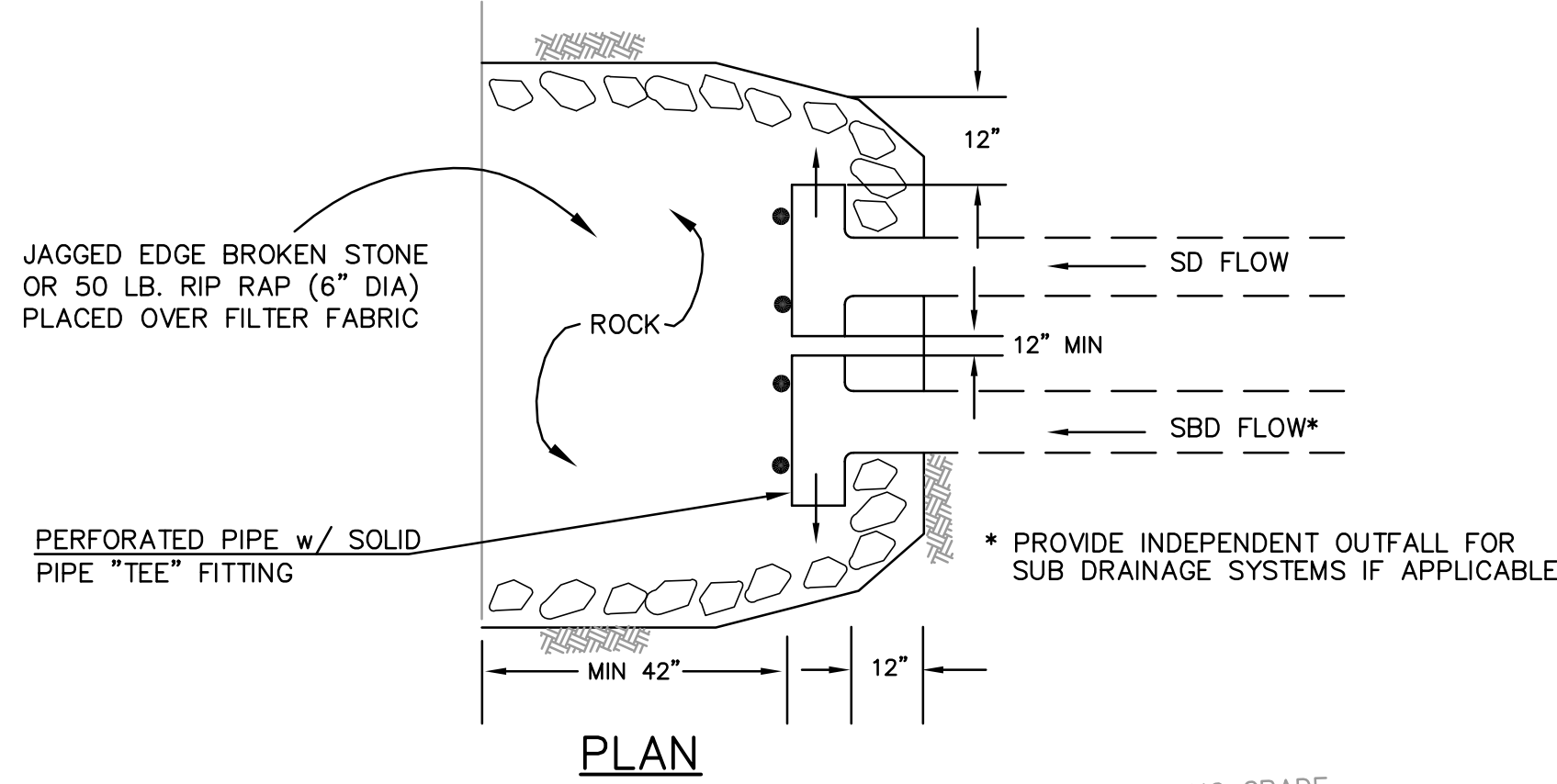
IN-LINE & END OF LINE
STORM DRAIN CLEANOUT
NOT TO SCALE



IN-LINE
END OF LINE
AREA DRAIN - DETAIL
NOT TO SCALE



ABOVE DECK - SPLASHBLOCK
IN-LINE & END OF LINE
DOWN SPOUT DETAIL
NOT TO SCALE

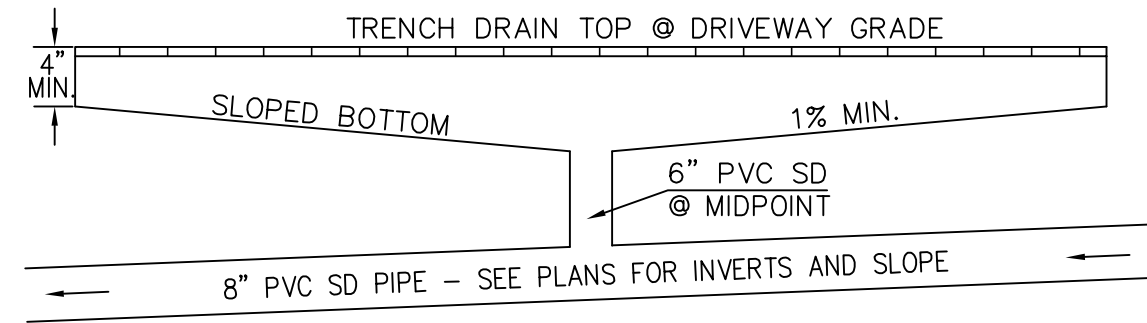
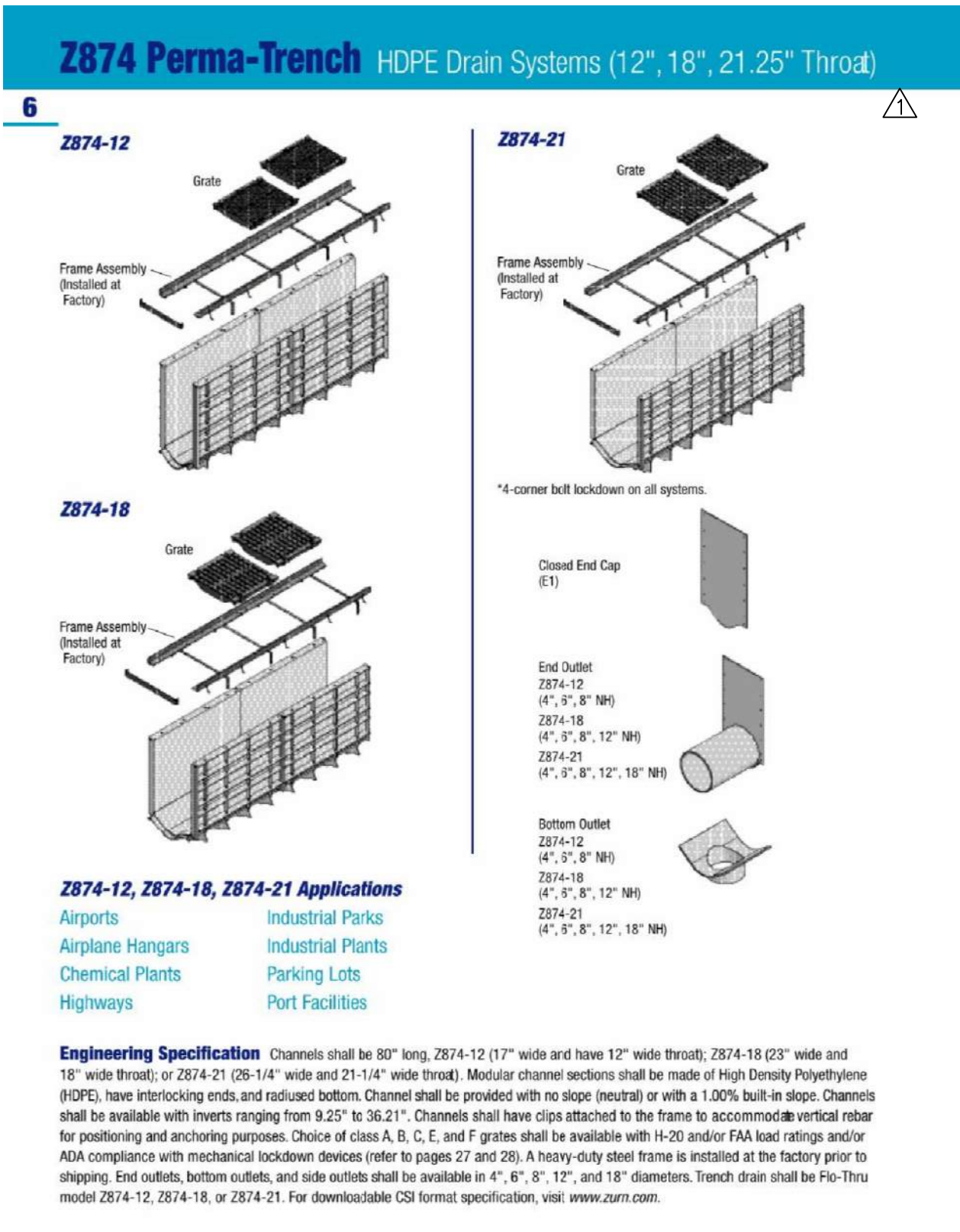
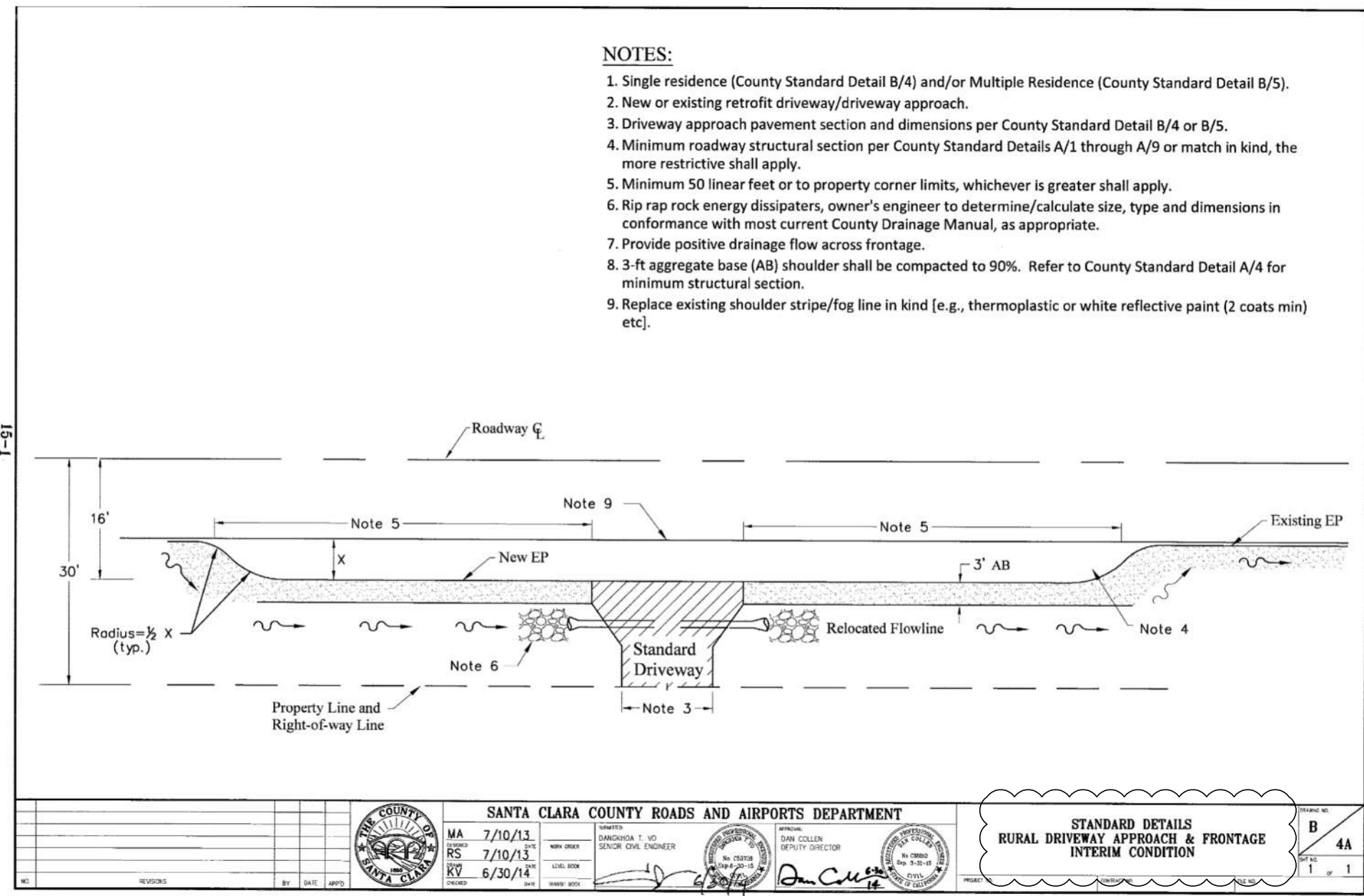
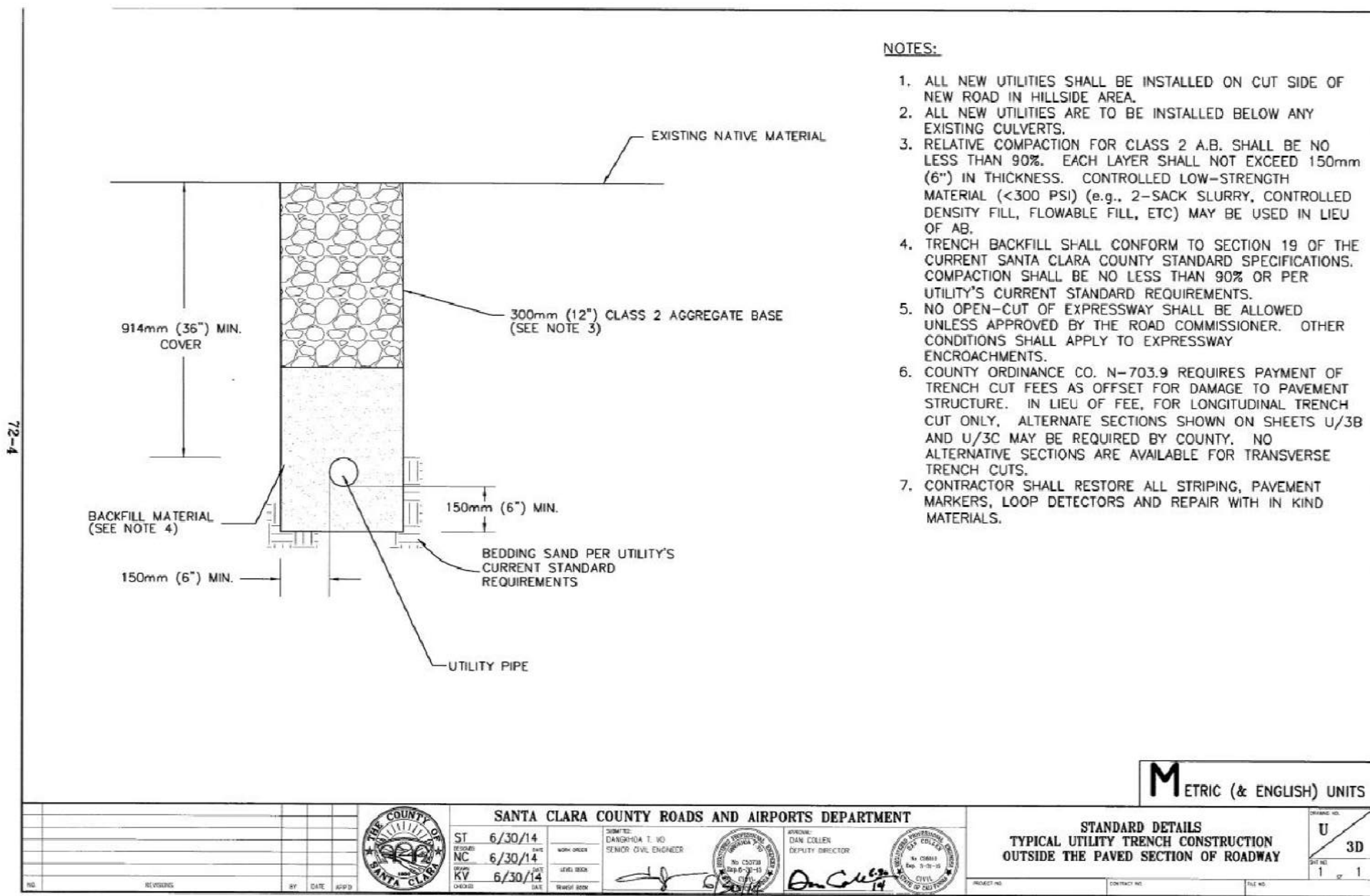


STORM DRAIN/SUBDRAIN DISSIPATER
NOT TO SCALE

NOTES:
1. MEETS COUNTY BMP-1 DETAIL 4 AND ABAG DESIGN STANDARDS MINIMUM SIZING.

GRADING NOTES:

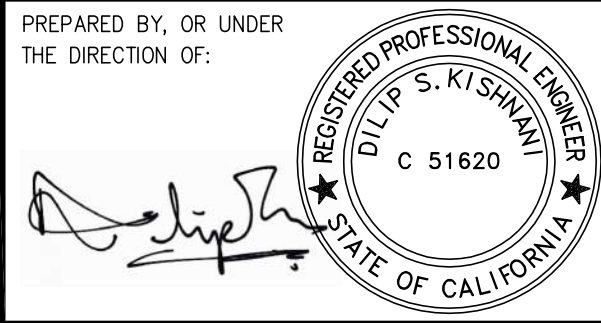
- ALL GRADING, SITE PREPARATION, PLACING AND COMPACTION OF FILL SHALL BE DONE IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY EARTH SYSTEMS PACIFIC, DATED JULY 25, 2018.
- ALL GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
- ALL CUT AND FILL SLOPES AT THE BOUNDARY LINES SHALL BE CONSTRUCTED IN SUCH A MANNER THAT ADJACENT FENCES WILL NOT BE DAMAGED.
- ALL CUT SLOPES SHALL BE ROUNDED TO MEET EXISTING GRADES AND BLEND WITH SURROUNDING TOPOGRAPHY. ALL GRADED SLOPES OVER FIVE FEET IN HEIGHT SHALL BE PLANTED WITH SUITABLE GROUND COVER.
- DURING GRADING OPERATIONS, THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES BOTH ON-SITE AND OFF-SITE. STREETS SHALL BE SWEEPED A MINIMUM OF TWO TIMES A DAY OR AS REQUIRED BY THE REGULATING AGENCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF SAID GRADING QUANTITIES PRIOR TO THE START OF THE GRADING OPERATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DISTRIBUTING ANY EXCESS MATERIAL OR SUPPLY MATERIAL FOR DEFICIENCIES TO BRING PAVEMENT OR LOTS TO REQUIRED GRADE. CLARIFICATION OF GRADING SHALL BE DONE BY THE ENGINEER.
- THE GRADING OPERATIONS SHALL BE PERFORMED UNDER THE OBSERVATION OF A REPRESENTATIVE FROM THE SOILS ENGINEER. FIELD DENSITY TESTS SHALL BE PERFORMED BY THE PROJECT SOILS ENGINEER ON THE COMPACTED MATERIAL IN ORDER TO ASCERTAIN WHETHER THE MATERIAL ATTAINED THE REQUIRED DEGREE OF MOISTURE CONTENT AND COMPACTION. THE LOCATION AND FREQUENCY OF THE FIELD DENSITY TESTS WILL BE DETERMINED BY THE SOILS ENGINEER AND/OR THE INSPECTOR IN THE FIELD DURING THE GRADING OPERATIONS. IT SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR TO PROVIDE A SMOOTH PAD CUT INTO THE COMPACTED SOIL AT THE LOCATION DESIGNATED BY THE SOILS ENGINEER AND/OR THE CITY INSPECTOR FOR THE FIELD TESTING.
- THE OFFICE OF EARTH SYSTEMS PACIFIC SHOULD BE NOTIFIED ON THE COMMENCEMENT OF THE GRADING OPERATIONS AT LEAST THREE DAYS IN ADVANCE. TELEPHONE: 510.766-2879.
- WASTEWATER GENERATED DURING CONSTRUCTION SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM. THIS INCLUDES WASTE FROM PAINTING, SAWCUTTING, CONCRETE WORK, ETC. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO ELIMINATE DISCHARGES TO THE STORM DRAIN SYSTEM AND, IF NECESSARY, PROVIDE AN AREA FOR ON-SITE WASHING ACTIVITIES DURING CONSTRUCTION. MATERIALS WHICH COULD CONTAMINATE STORM RUNOFF SHALL BE STORED IN AREAS WHICH ARE DESIGNED TO PREVENT EXPOSURE TO RAINFALL AND TO NOT ALLOW STORM WATER TO RUN ONTO THE AREA.
- FLUSHING OF STREETS/PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED. AREAS REQUIRING CLEANING SHOULD BE SWEEPED.
- WHERE UNSTABLE OR UNSUITABLE MATERIALS ARE ENCOUNTERED DURING SUBGRADE PREPARATION, THE AREA IN QUESTION SHALL BE OVER EXCAVATED AND REPLACED BY SELECT BACKFILL MATERIAL AS DIRECTED IN THE FIELD BY THE SOILS ENGINEER.
- WHERE ABANDONED UNDERGROUND STRUCTURES ARE ENCOUNTERED IN THE STREET AREAS, REMOVE TO SUFFICIENT DEPTH TO ALLOW UNDERGROUND LINES TO CROSS, BACKFILL AND COMPACT DURING ROUGH GRADING. THE INSPECTOR MAY REQUIRE FURTHER WORK TO BE DONE IF VISUAL INSPECTION INDICATES SO DURING CONSTRUCTION.
- PRIOR TO ANY GRADING, DEMOLITION OF THE SITE SHOULD BE COMPLETED. DEMOLITION SHOULD INCLUDE THE COMPLETE REMOVAL OF ALL SURFACE AND SUBSURFACE STRUCTURES. IF ANY OF THE FOLLOWING ARE ENCOUNTERED: TREE ROOT SYSTEMS, CONCRETE, SEPTIC TANKS, GAS OR OIL TANKS, STORM INLETS, IRRIGATION PIPES, FOUNDATIONS, ASPHALT, DEBRIS AND TRASH, THESE SHOULD ALSO BE REMOVED, WITH THE EXCEPTION OF ITEMS SPECIFIED BY THE OWNER FOR SALVAGE. THE OFFICE OF GEOENGINEERING SHOULD BE NOTIFIED PRIOR TO DEMOLITION OF THE SITE.
- EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE ESTIMATED QUANTITIES AND ARE FURNISHED FOR THE COUNTY OF SANTA CLARA'S INFORMATION ONLY. THE ACTUAL AMOUNT MAY VARY DEPENDING ON COMPACTION, CONSOLIDATION, STRIPPING AND THE CONTRACTOR'S METHOD OF OPERATION.
EARTHWORK SUMMARY: **SEE SHEET C1**
- DRIVEWAY SHALL BE MADE OF "ALL WEATHER" MATERIAL AND CAPABLE OF HOLDING 75,000 POUNDS WITH A MAXIMUM SLOPE OF 16%.



TYP. DRIVEWAY TRENCH DRAIN DETAIL
NOT TO SCALE

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3084 CRATER LANE
SAN JOSE, CA 95132

GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION
NOTES & DETAILS
CITY OF SARATOGA (UN-INCORPORATED)
SANTA CLARA COUNTY

16365 SANBORN ROAD
CALIFORNIA

SHEET NO.
C7
7 OF 15 SHEETS
JOB NO.
2018-343

APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

ROAD: SANBORN

COUNTY FILE NO.: PLN18-11220
PLN21-093

TREE PRESERVATION NOTES:

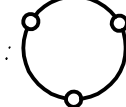
PRIOR TO DEMOLITION, BUILDING OR GRADING PERMIT ISSUANCE

1. TREES TO BE SAVED SHALL BE PROTECTED BY TYPE II FENCING AT THE DRIP LINE OR EDGE OF SIDEWALK OR DRIVEWAY.
2. PRIOR TO DEMOLITION, GRADING OR BUILDING PERMIT ISSUANCE, THE CONTRACTOR SHALL PROVIDE A WRITTEN STATEMENT TO THE BUILDING INSPECTIONS DIVISION STATING THAT THE REQUIRED PROTECTIVE FENCINGS ARE IN PLACE. THE FENCING SHALL CONTAIN REQUIRED WARNING SIGN AND SHALL REMAIN IN PLACE UNTIL FINAL INSPECTION OF THE PROJECT. TREE FENCING CAN BE ADJUSTED AFTER DEMOLITION IF NECESSARY TO INCREASE THE TREE PROTECTION ZONE AS INDICATED.

DURING CONSTRUCTION

3. THE APPLICANT SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY PUBLICLY OWNED TREES THAT ARE DAMAGED DURING THE COURSE OF CONSTRUCTION.
4. NO STORAGE OF MATERIAL, TOPSOIL, VEHICLES OR EQUIPMENT SHALL BE PERMITTED WITHIN THE TREE PROTECTION ZONES. THE GROUND UNDER AND AROUND THE TREE CANOPY AREA SHALL NOT BE ALTERED. TREES TO BE RETAINED SHALL BE IRRIGATED, AERATED AND MAINTAINED AS NECESSARY TO ENSURE SURVIVAL.
5. ALL EXCAVATION WORK WITHIN AND NEAR A TREE PROTECTION ZONE SHALL BE HAND EXCAVATION ONLY IN ORDER TO PREVENT TREE ROOT DAMAGE. TREE PROTECTION ZONES ARE DENOTED AS BELOW.

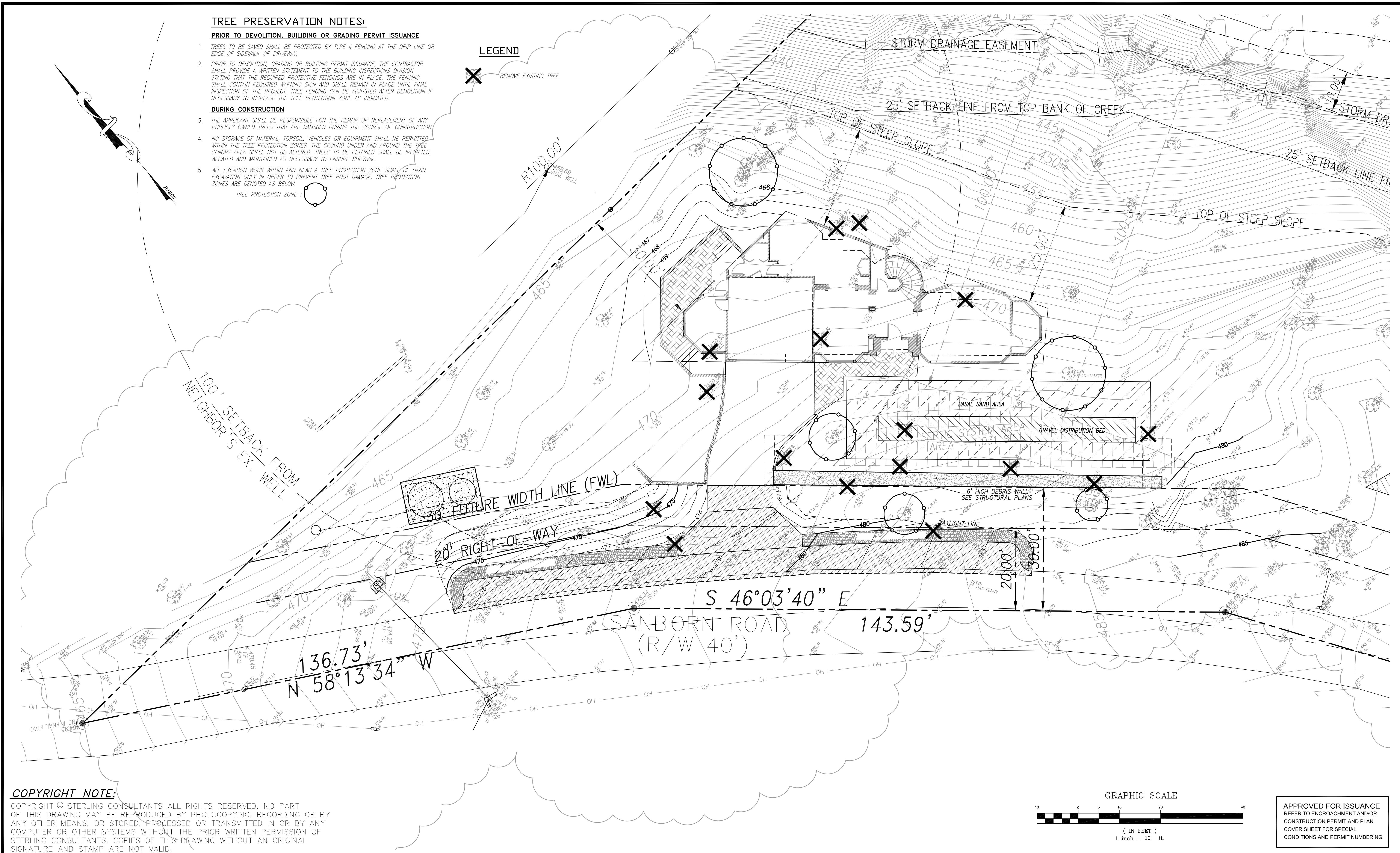
TREE PROTECTION ZONE :



LEGEND

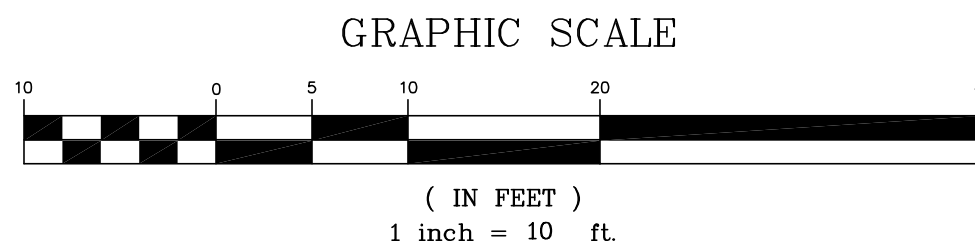


REMOVE EXISTING TREE



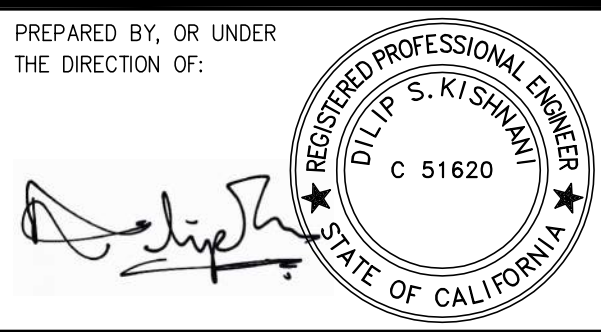
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SAN JOSE, CA 95132

GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION

TREE PROTECTION PLAN

CITY OF SARATOGA
(UN-INCORPORATED)

SANTA CLARA COUNTY

16365 SANBORN ROAD

CALIFORNIA

SHEET NO.

C8

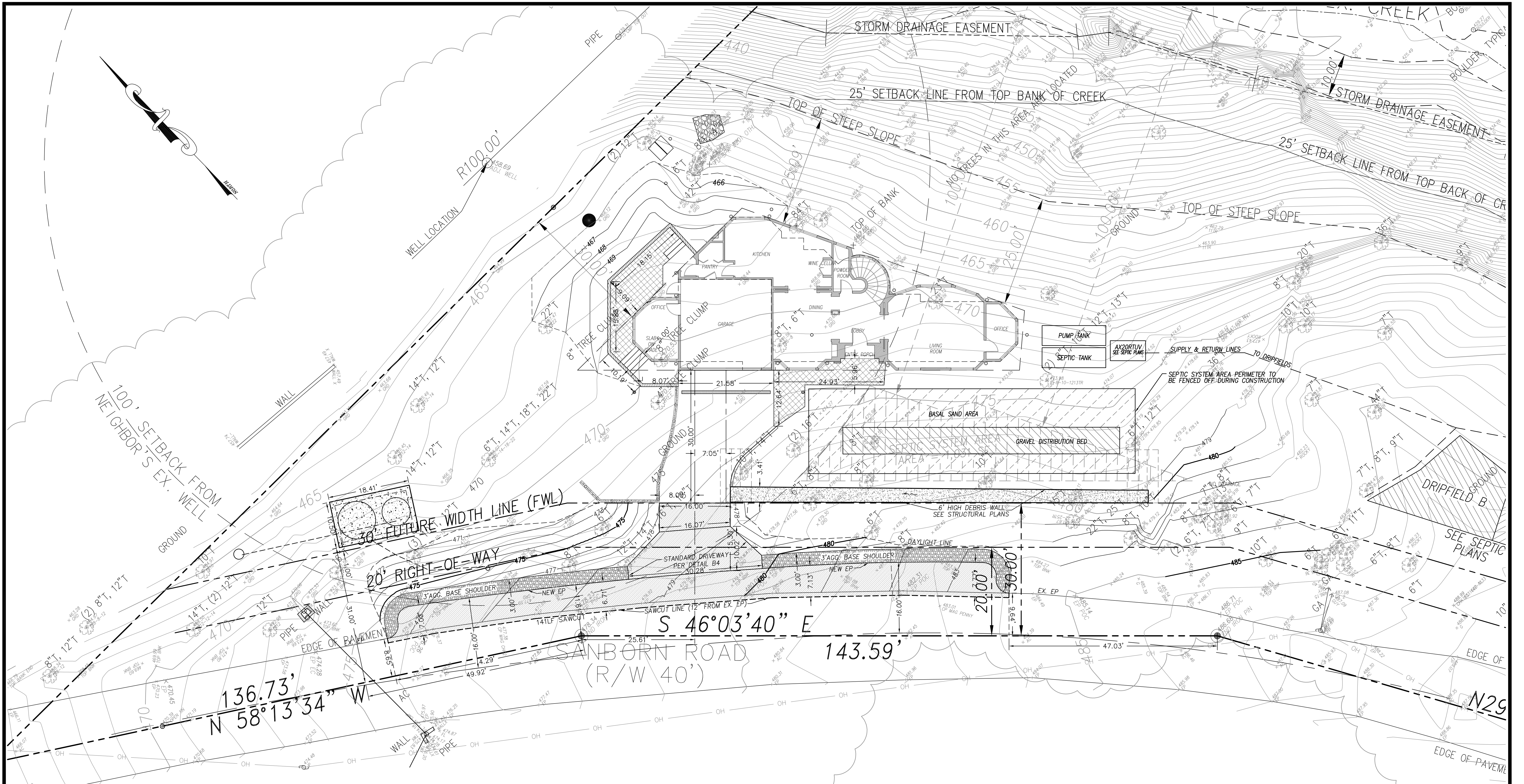
8 OF 15 SHEETS

JOB NO. 2018-343

APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

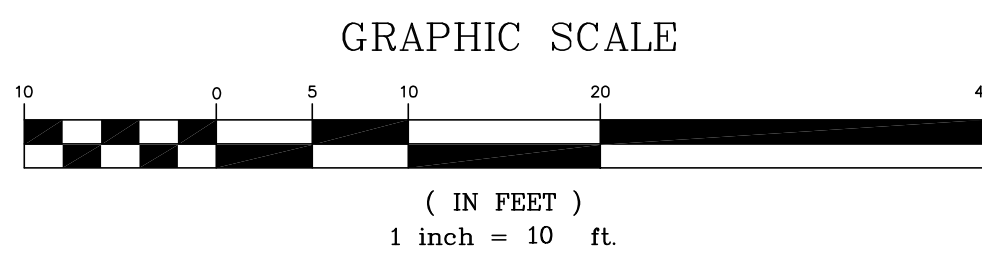
ROAD: SANBORN

COUNTY FILE NO.: PLN18-11220
PLN21-093



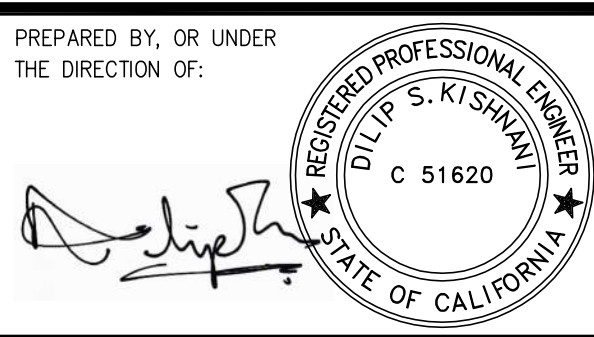
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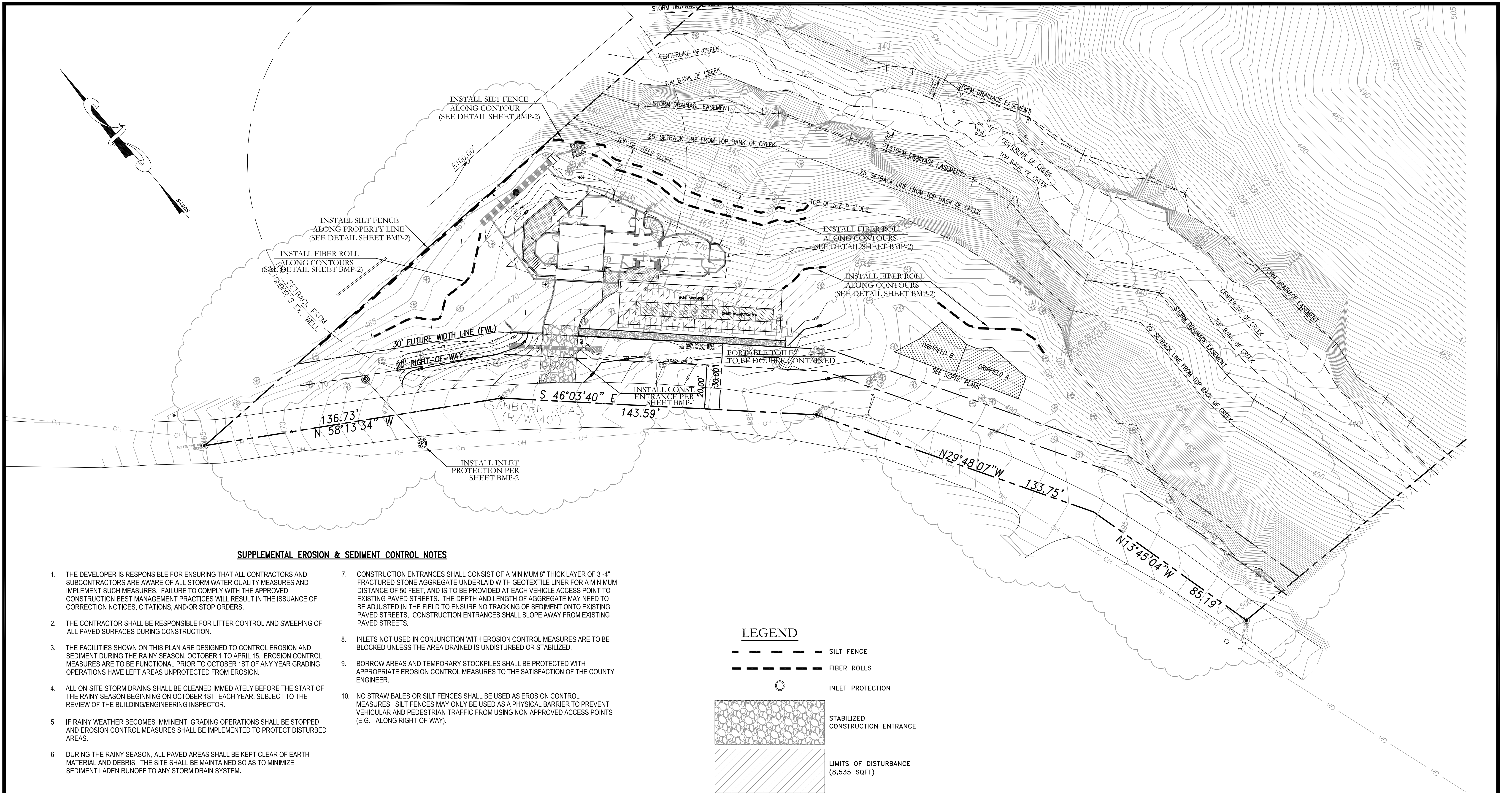
GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION
HORIZONTAL CONTROL PLAN
CITY OF SARATOGA (UN-INCORPORATED) SANTA CLARA COUNTY CALIFORNIA
16365 SANBORN ROAD

SHEET NO.
C9
9 OF 15 SHEETS
JOB NO.
2018-343

APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

ROAD: SANBORN

COUNTY FILE NO.: PLN18-11220
PLN21-093



SUPPLEMENTAL EROSION & SEDIMENT CONTROL NOTES

1. THE DEVELOPER IS RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS AND SUBCONTRACTORS ARE AWARE OF ALL STORM WATER QUALITY MEASURES AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BEST MANAGEMENT PRACTICES WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, AND/OR STOP ORDERS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LITTER CONTROL AND SWEEPING OF ALL PAVED SURFACES DURING CONSTRUCTION.
3. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 15. EROSION CONTROL MEASURES ARE TO BE FUNCTIONAL PRIOR TO OCTOBER 1ST OF ANY YEAR GRADING OPERATIONS HAVE LEFT AREAS UNPROTECTED FROM EROSION.
4. ALL ON-SITE STORM DRAINS SHALL BE CLEANED IMMEDIATELY BEFORE THE START OF THE RAINY SEASON BEGINNING ON OCTOBER 1ST EACH YEAR, SUBJECT TO THE REVIEW OF THE BUILDING/ENGINEERING INSPECTOR.
5. IF RAINY WEATHER BECOMES IMMINENT, GRADING OPERATIONS SHALL BE STOPPED AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PROTECT DISTURBED AREAS.
6. 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 DRAIN SYSTEM.
7. CONSTRUCTION ENTRANCES SHALL CONSIST OF A MINIMUM 8" THICK LAYER OF 3"-4" FRACTURED STONE AGGREGATE UNDERLAID WITH GEOTEXTILE LINER FOR A MINIMUM DISTANCE OF 50 FEET, AND IS TO BE PROVIDED AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. THE DEPTH AND LENGTH OF AGGREGATE MAY NEED TO BE ADJUSTED IN THE FIELD TO ENSURE NO TRACKING OF SEDIMENT ONTO EXISTING PAVED STREETS. CONSTRUCTION ENTRANCES SHALL SLOPE AWAY FROM EXISTING PAVED STREETS.
8. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL MEASURES ARE TO BE BLOCKED UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.
9. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE COUNTY ENGINEER.
10. NO STRAW BALES OR SILT FENCES SHALL BE USED AS EROSION CONTROL MEASURES. SILT FENCES MAY ONLY BE USED AS A PHYSICAL BARRIER TO PREVENT VEHICULAR AND PEDESTRIAN TRAFFIC FROM USING NON-APPROVED ACCESS POINTS (E.G. - ALONG RIGHT-OF-WAY).

LEGEND

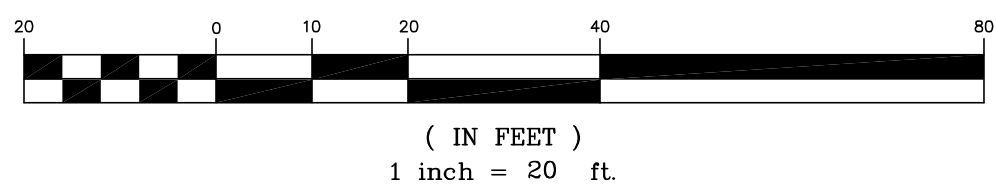
- SILT FENCE
- FIBER ROLLS
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- LIMITS OF DISTURBANCE (8,535 SQFT)

NOTE: CONCRETE WASHOUT SHALL BE LOCATED ON-SITE WHILE EQUIPMENT FUELING TO TAKE PLACE OFF-SITE.

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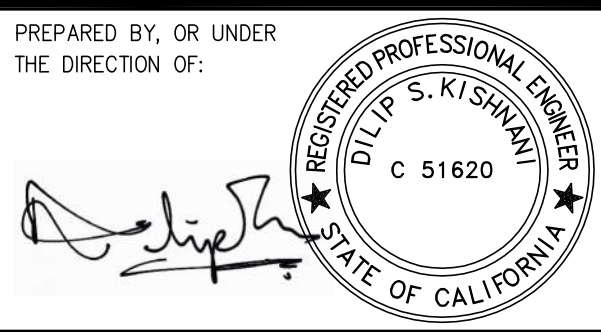
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GRAPHIC SCALE



APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERING.

DATE: AUGUST 03, 2021					
SCALE: AS SHOWN					
DRAWN: DSK					
DESIGNED: DSK					
ENGINEER: DSK					
MANAGER: DSK					
NO.	BY	DATE	REVISIONS	CITY APPR	



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SAN JOSE, CA 95132

GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION
EROSION CONTROL PLAN
CITY OF SARATOGA (UN-INCORPORATED)
SANTA CLARA COUNTY
16365 SANBORN ROAD
CALIFORNIA

SHEET NO.
C10
10 OF 15 SHEETS
JOB NO.
2018-343

APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

ROAD: SANBORN

COUNTY FILE NO.: PLN18-11220
PLN21-093

Notes for Figure 6H-6—Typical Application 6
Shoulder Work with Minor Encroachment

Guidance:

1. All lanes should be a minimum of 10 feet in width as measured to the near face of the channelizing devices.
2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.

Option:

3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 9 feet may be used.
4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely-spaced channelizing devices, provided that the minimum lane width of 10 feet is maintained.
5. Additional advance warning may be appropriate, such as a ROAD NARROWS sign.
6. Temporary traffic barriers may be used along the work space.
7. The shadow vehicle may be omitted if a taper and channelizing devices are used.
8. A truck-mounted attenuator may be used on the shadow vehicle.
9. For short-duration work, the taper and channelizing devices may be omitted if a shadow vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
10. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

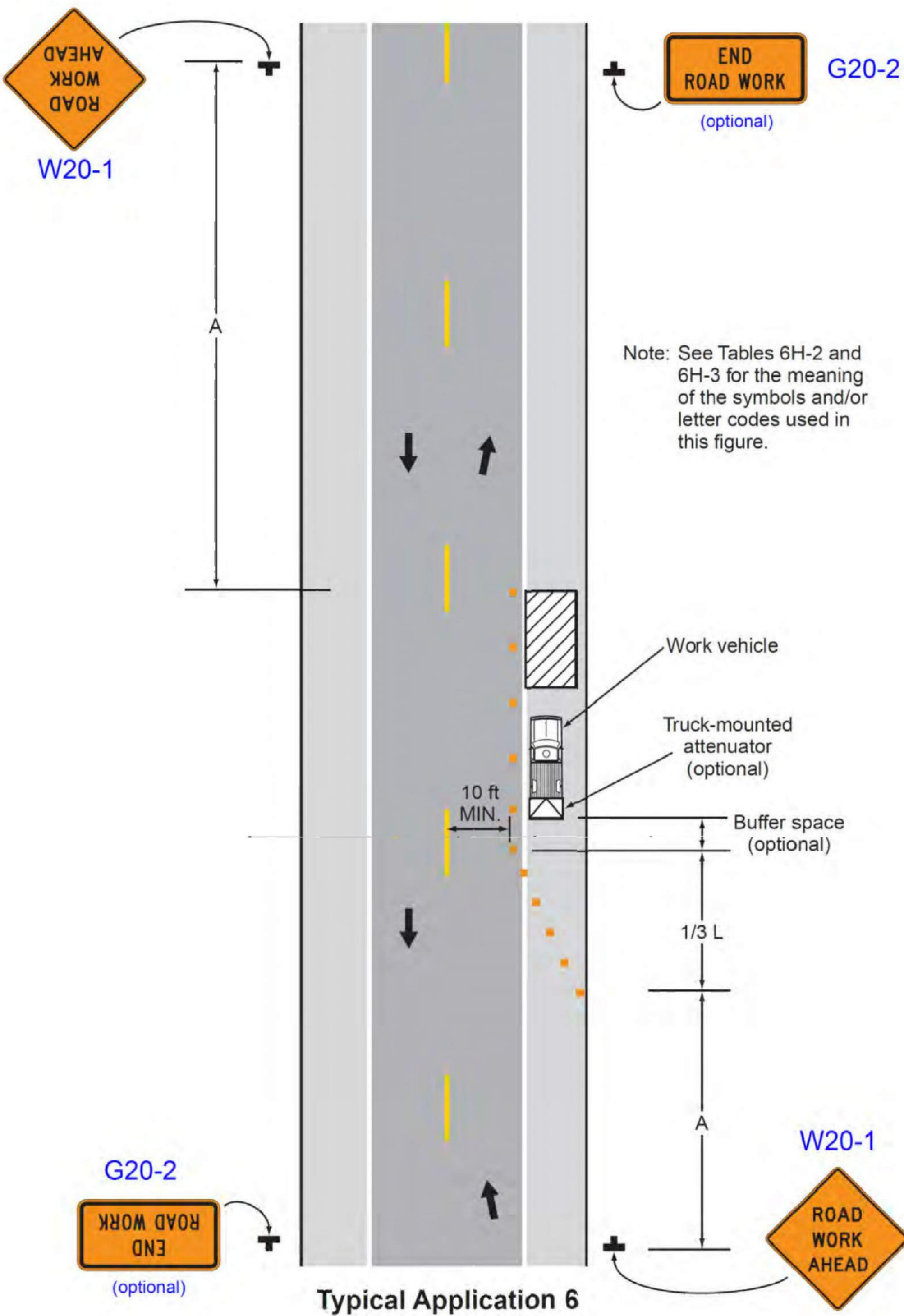
Standard:

11. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.
12. Shadow and work vehicles shall display high-intensity rotating, flashing, oscillating, or strobe lights.
13. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

Guidance:

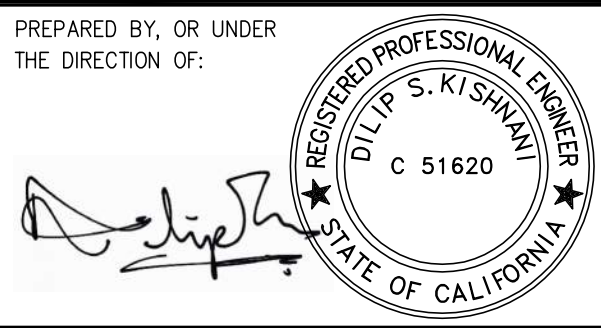
14. All advance warning signs should be placed so that the path of travel for bicycles is not blocked, while maintaining visibility for road users.
15. When existing accommodations for bicycle travel are disrupted or closed in a long-term duration project (see Section 6G.02) and the roadway width is inadequate for allowing bicyclists and motor vehicles to travel side by side, the Bicycle Warning (W11-1) sign and the SHARE THE ROAD (W16-1P) plaque should be used to advise motorists of the presence of bicyclists in the travel way lanes.
16. Except for short durations and mobile operations, when a highway shoulder is occupied and bicyclists would be sharing a lane with vehicular traffic, as a result of the TTC zone, speed reduction countermeasures should be used to reduce traffic speeds in the TTC zone. Refer to Sections 6C.01 and 6D.03.
17. Except for short durations and mobile operations, when a highway shoulder is occupied and bicyclists would be sharing a lane with vehicular traffic, as a result of the TTC zone, before narrowing the outside lane other measures such as widening the outside shoulder to allow bicyclists and motor vehicles to travel side by side through the TTC zone should be considered.
18. If traffic volumes make it feasible, the two left lanes should be merged into one lane to avoid using the shoulder as a traveled way lane and allowing continued use for emergency purposes and bicycle travel.
19. When existing accommodations for bicycle travel are disrupted or closed in a long-term duration project (see Section 6G.02) and the roadway width is inadequate for allowing bicyclists and motor vehicles to travel side by side, a separate path should be considered for bicyclists.

Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)



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COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERING.

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MANAGER: DSK					
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GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION

TRAFFIC CONTROL PLAN

CITY OF SARATOGA
(UNINCORPORATED)

SANTA CLARA COUNTY

16365 SANBORN ROAD

CALIFORNIA

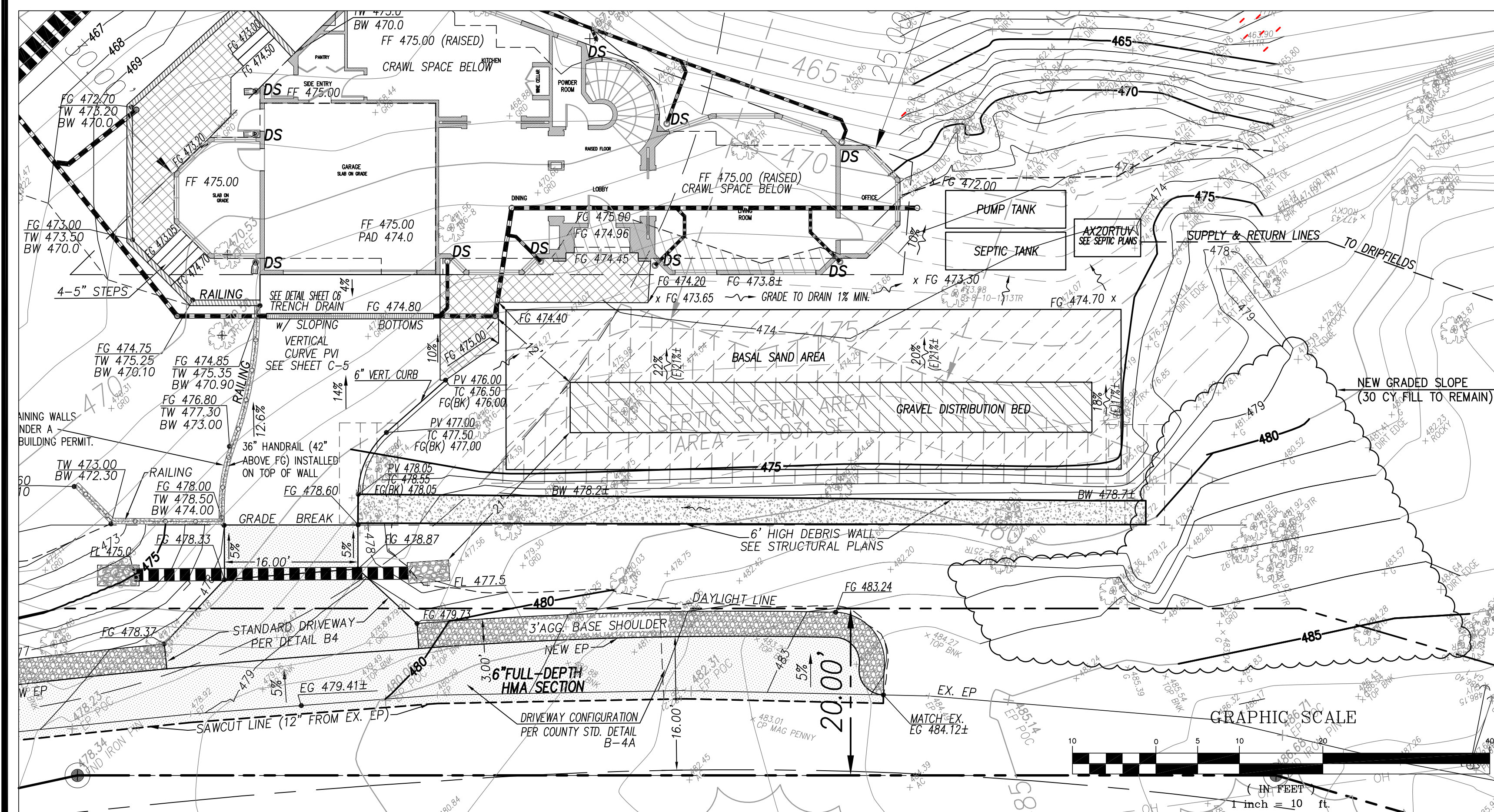
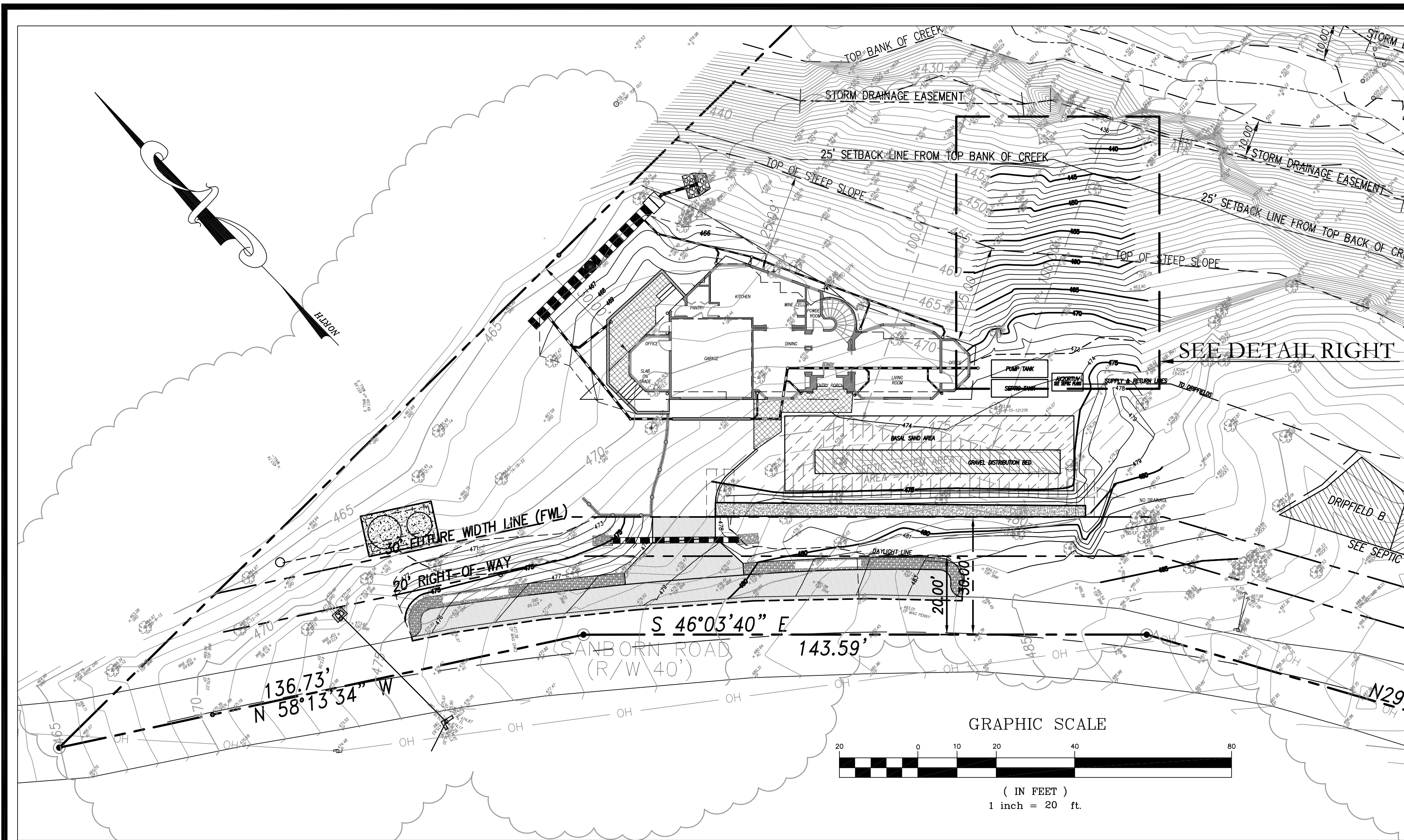
SHEET NO.

C12

12 OF 15 SHEETS

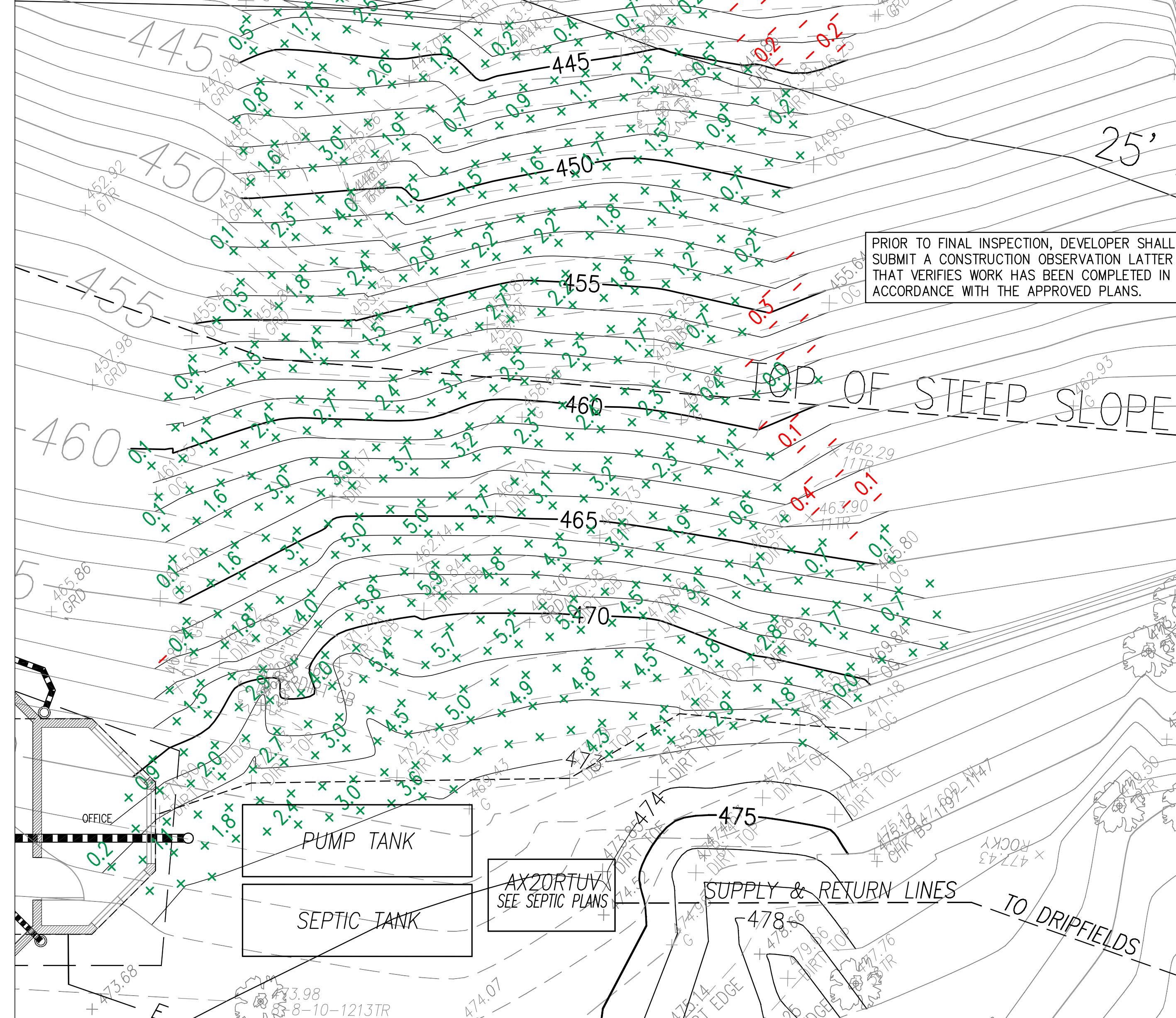
JOB NO.

2018-343



DEVELOPER SHALL REMOVE ALL UN-PERMITTED FILL IN THE SLOPE BEHIND THE NEW HOME TOWARDS THE CREEK (AS SHOWN BELOW) UNDER SUPERVISION AND PER THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER. PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT THE FINAL SITE CONDITIONS TO CONFIRM THAT THE ENTIRETY OF UN-PERMITTED FILL HAS BEEN REMOVED AND THE SLOPE STABILITY REMAINS INTACT.

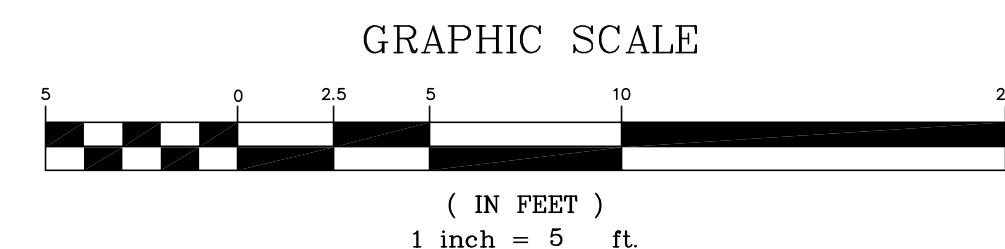
TOP BANK OF CREEK



PRIOR TO FINAL INSPECTION, DEVELOPER SHALL SUBMIT A CONSTRUCTION OBSERVATION LATTER THAT VERIFIES WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS.

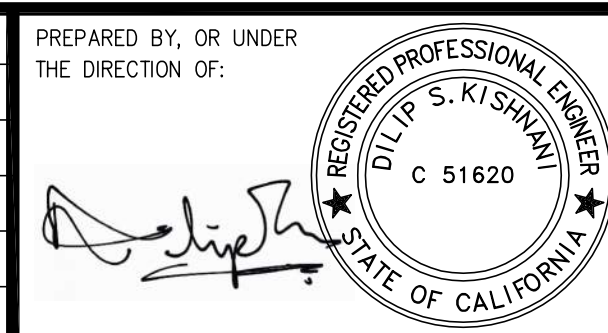
EARTHWORK ESTIMATE
GRADING RESTORATION FOR CREEK SLOPE
(EXISTING GRADE VS SURVEYED GRADE)
CUT : 3 CY
FILL : 161 CY
161 CY OF CUT TO RESTORE SLOPE TO EG

EARTHWORK ESTIMATE
SEPTIC AREA
(EXISTING GRADE VS SURVEYED GRADE)
CUT : 181 CY
FILL : 21 CY
160 CY OF FILL TO RESTORE TO APPROX. EG.
GRADE TO BE RESTORED AFTER INSTALLATION
OF NEW MOUND SEPTIC SYSTEM.
SEE REVISED SEPTIC SYSTEM PLANS.



ORIGINAL SEPTIC DESIGN NEAR HOME HAS BEEN REVISED TO A MOUND SYSTEM DUE TO IMPROVE FEASIBILITY WITH SITE CONDITIONS. SEE REVISED SEPTIC PLANS. NEW MOUND SYSTEM WILL BE INSTALLED AND COVERED WITH SOIL TO RESTORE SEPTIC AREA GRADES TO APPROXIMATELY MATCH EXISTING PRE-DEVELOPMENT/PREVIOUSLY APPROVED GRADES (SHOWN IN DASHED GRAY CONTOURS, SEE LEGEND).

DATE: AUGUST 03, 2021					
SCALE: AS SHOWN					
DRAWN: DSK					
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NO.	BY	DATE	REVISIONS	CITY APPR	



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SAN JOSE, CA 95132

GRADING PERMIT / ENCROACHMENT PERMIT
& GRADING ABATEMENT / RESTORATION
GRADING RESTORATION PLAN
CITY OF SARATOGA (UN-INCORPORATED)
SANTA CLARA COUNTY
CALIFORNIA
16365 SANBORN ROAD
SHEET NO. **C13**
13 OF 15 SHEETS
JOB NO. 2018-343

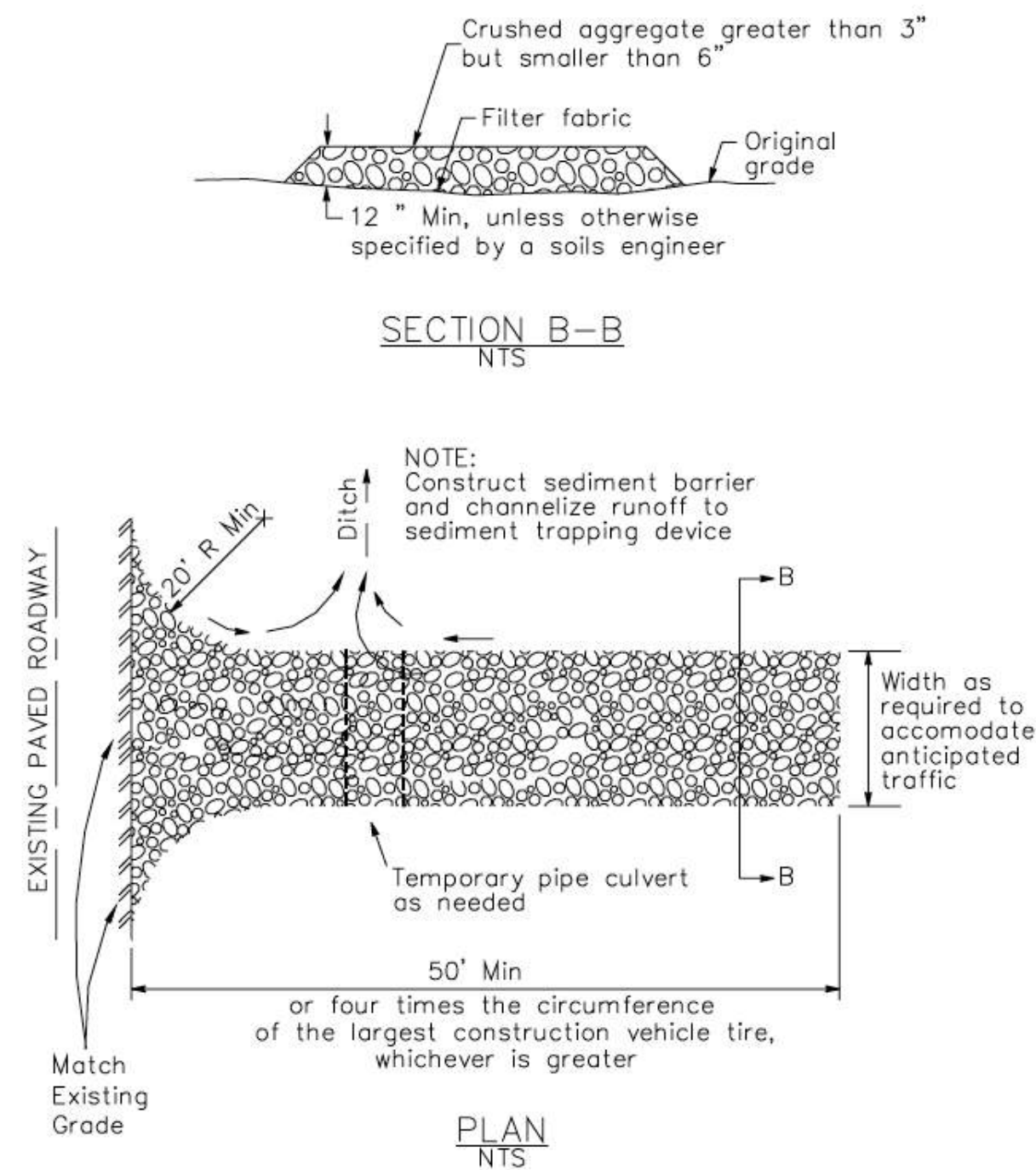
APPLICANT: NAMIT GUPTA & SHIVI AGARWAL

ROAD: SANBORN

COUNTY FILE NO.: PLN18-11220
PLN21-093

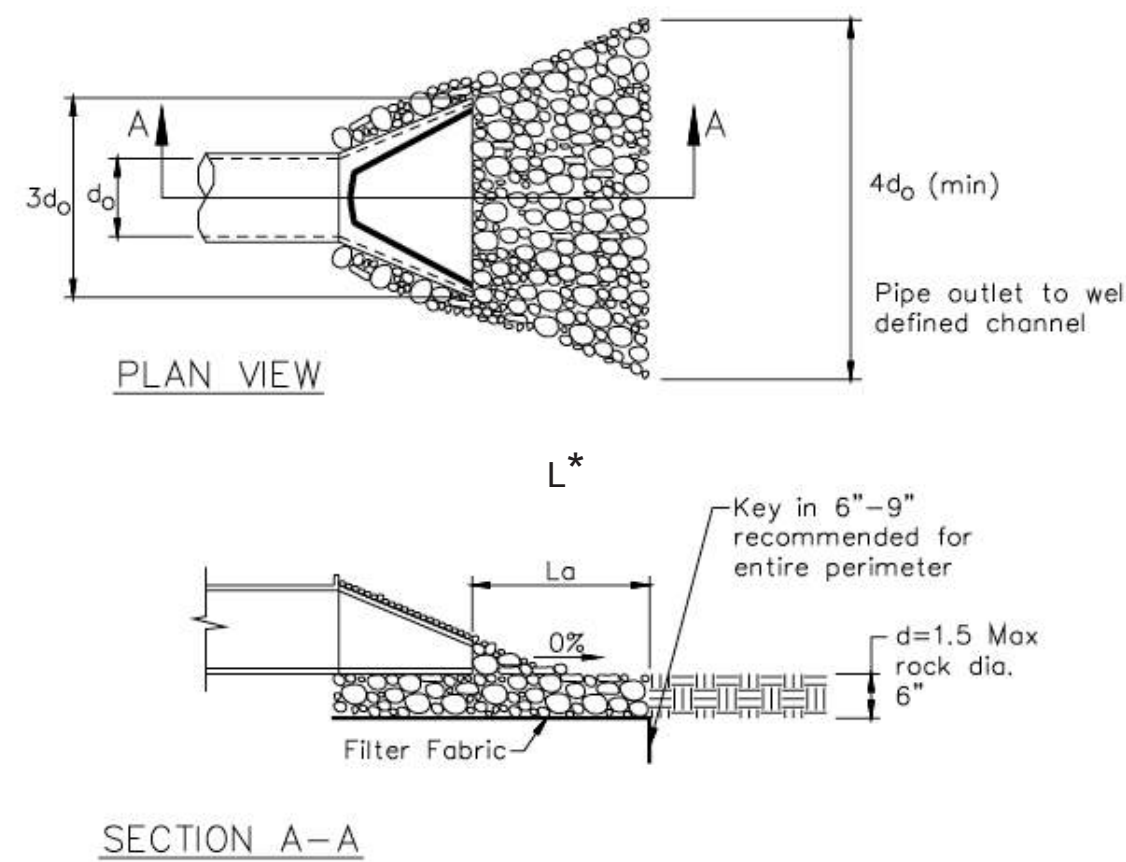
3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



4 Velocity Dissipation Devices

CASQA Detail EC-10

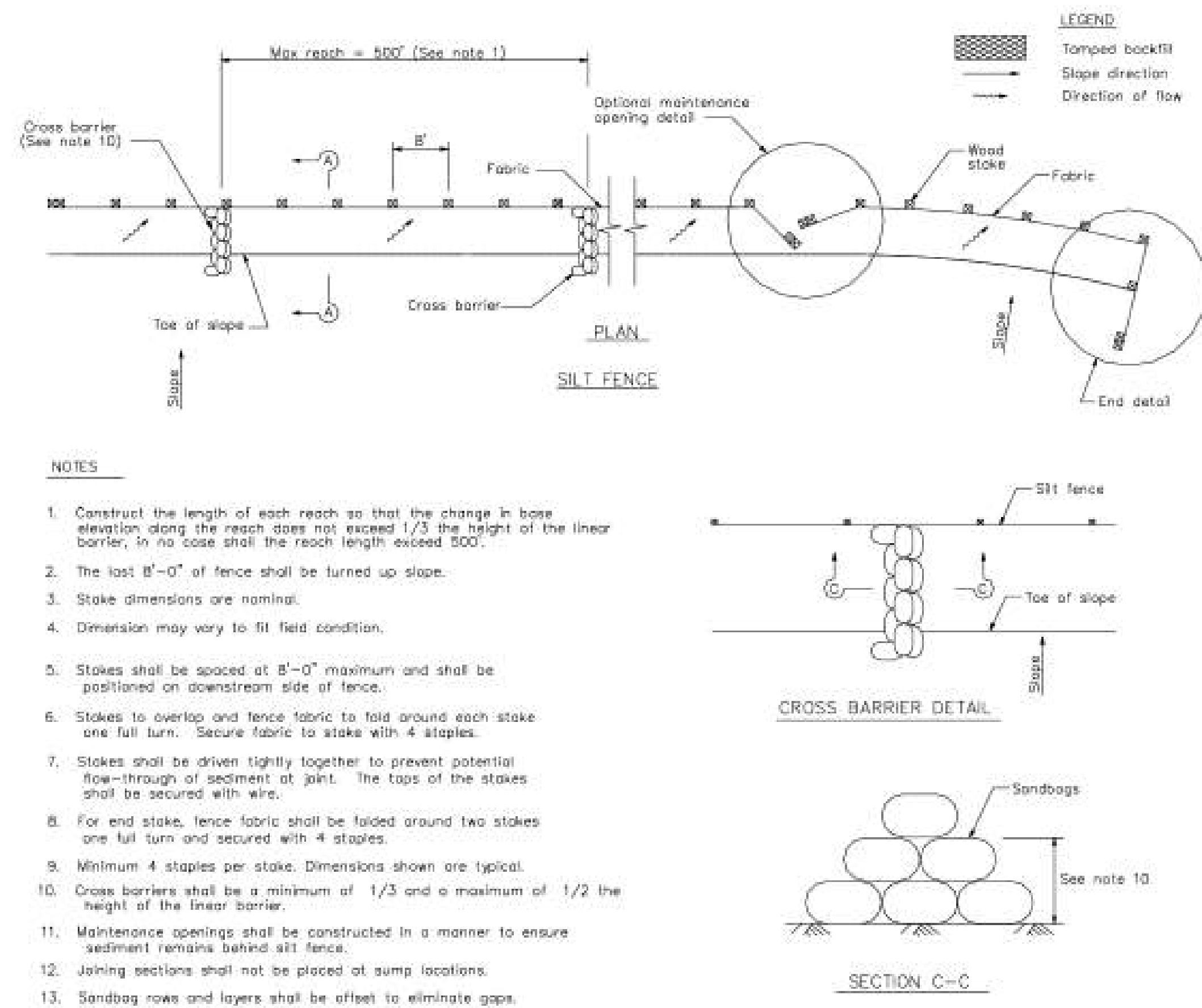


* Length per ABAG Design Standards

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

1 Silt Fence

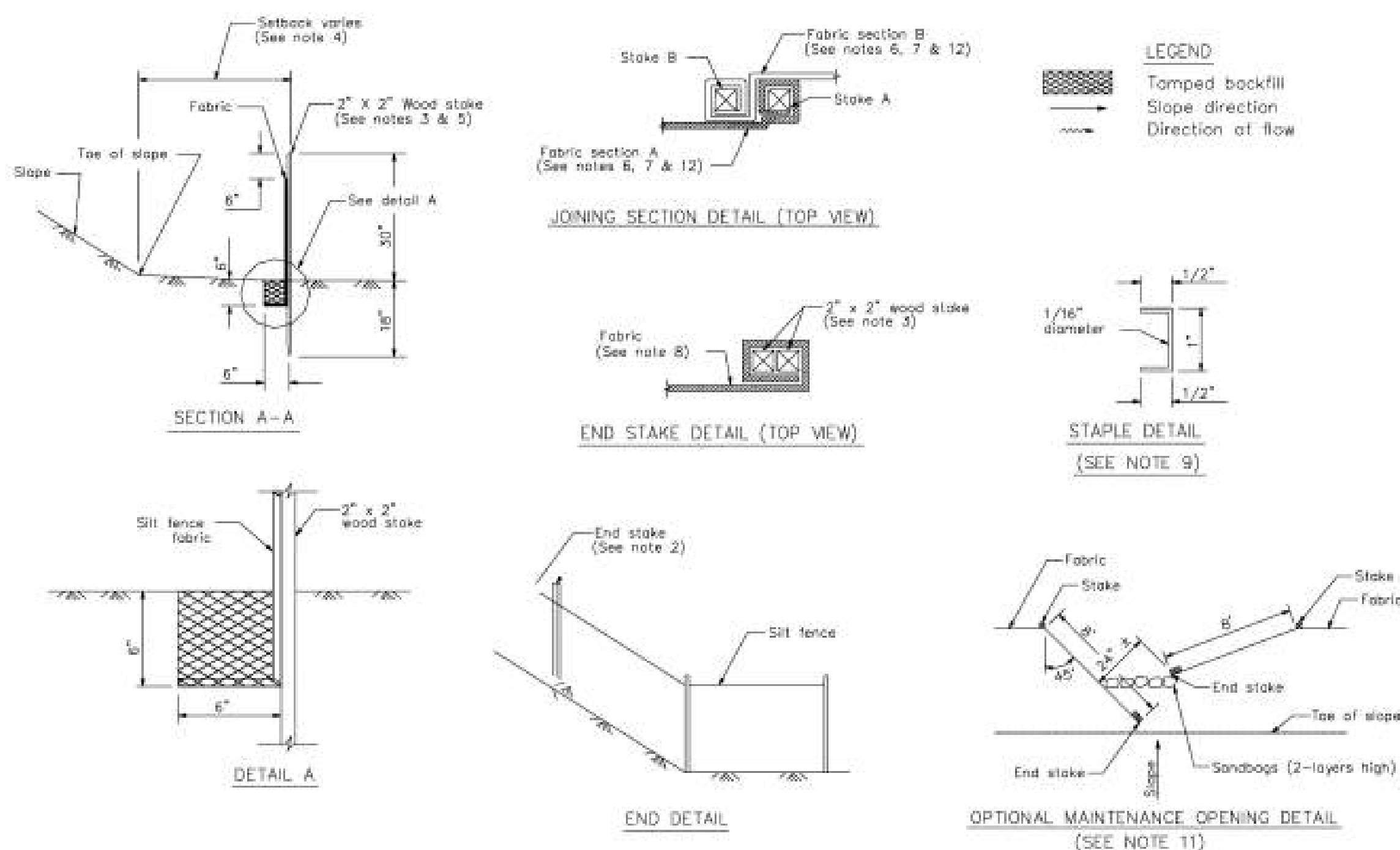
CASQA Detail SE-1



- NOTES
1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500'.
 2. The last 8'-0" of fence shall be turned up slope.
 3. Stake dimensions are nominal.
 4. Dimension may vary to fit field condition.
 5. Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
 6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
 7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
 8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
 9. Minimum 4 staples per stake. Dimensions shown are typical.
 10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
 11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
 12. Joining sections shall not be placed at sump locations.
 13. Sandbag rows and layers shall be offset to eliminate gaps.

Silt Fence

CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

1. **Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or latest.
2. **Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
3. **Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
4. **Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
5. **Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
6. **Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
7. **Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
8. **Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
9. **Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
10. **Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

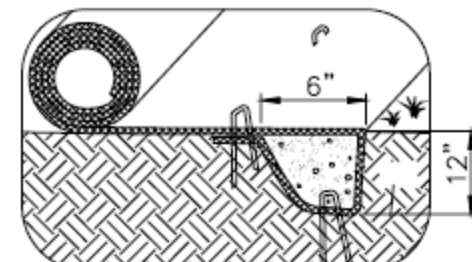
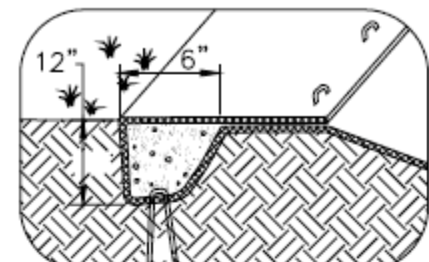
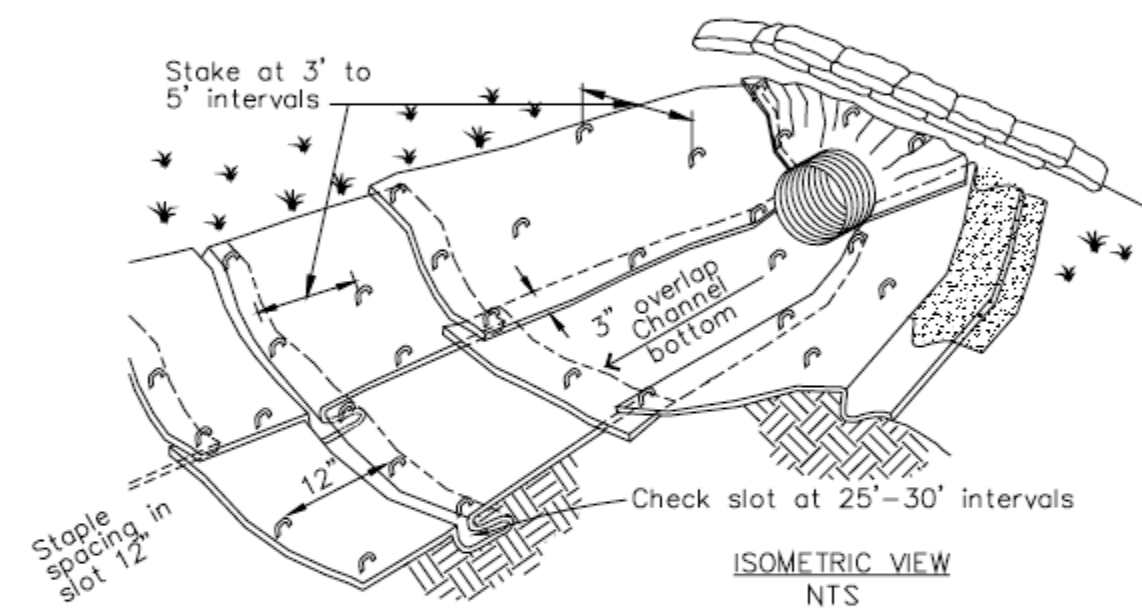
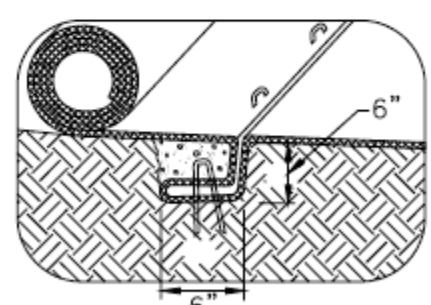
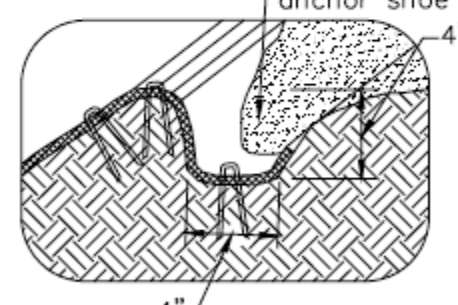
STANDARD EROSION CONTROL NOTES

1. **Sediment Control Management:**
 - Tracking Prevention & Clean Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.
 - Storm Drain Inlet and Catch Basin Inlet Protection:** All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.
 - Storm Water Runoff:** No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.
 - Dust Control:** The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.
 - Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (tarps, straw bales, silt fences, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
2. **Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
3. **Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
4. **Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
5. 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 the erosion control plan.
6. Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

7

Geotextiles and Mats

CASQA Detail EC-7

INITIAL CHANNEL ANCHOR TRENCH
NTSTERMINAL SLOPE AND CHANNEL
ANCHOR TRENCH
NTSISOMETRIC VIEW
NTSINTERMITTENT CHECK SLOT
NTSLONGITUDINAL ANCHOR TRENCH
NTS

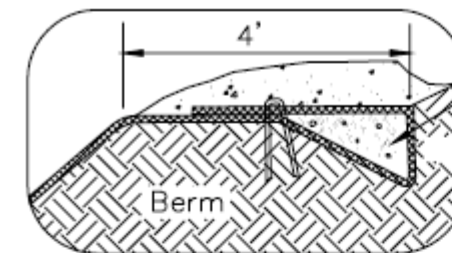
- NOTES:
1. Check slots to be constructed per manufacturers specifications.
 2. Staking or stapling layout per manufacturers specifications.
 3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

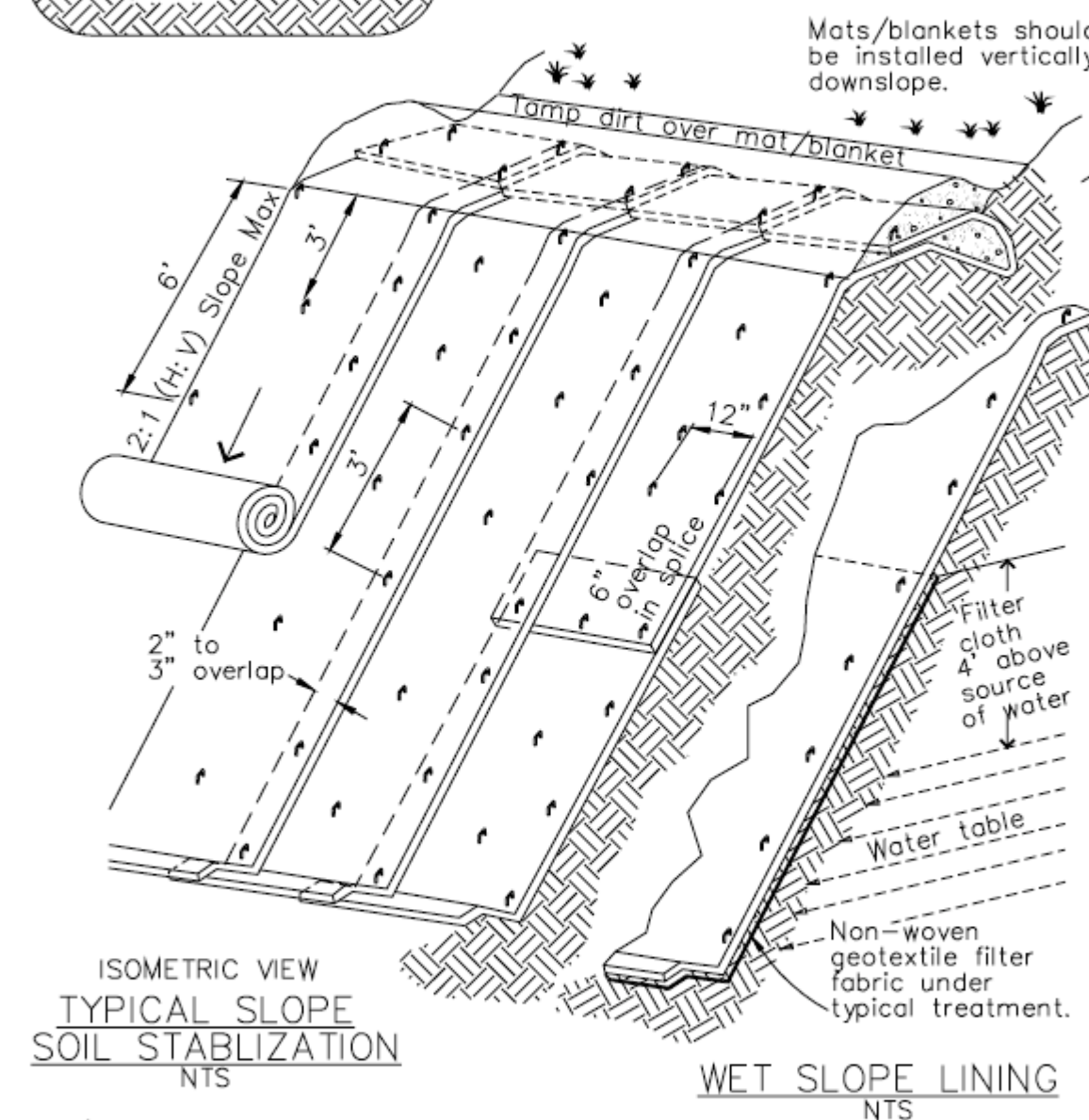
5

Geotextiles and Mats

CASQA Detail EC-7



Berm

ISOMETRIC VIEW
TYPICAL SLOPE
SOIL STABILIZATION
NTSWET SLOPE LINING
NTS

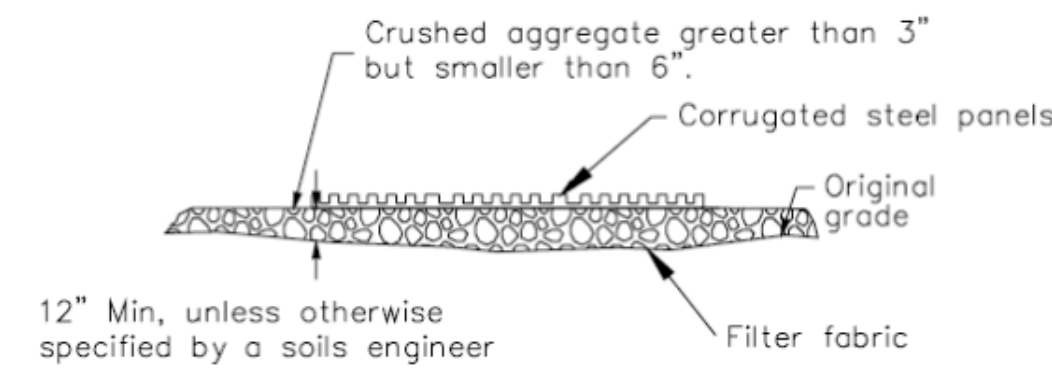
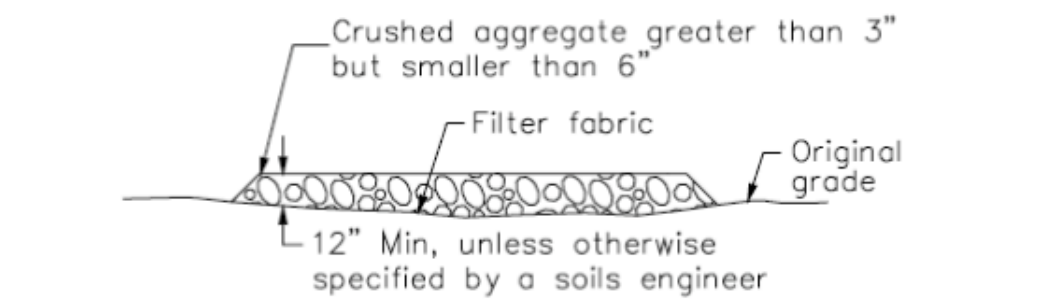
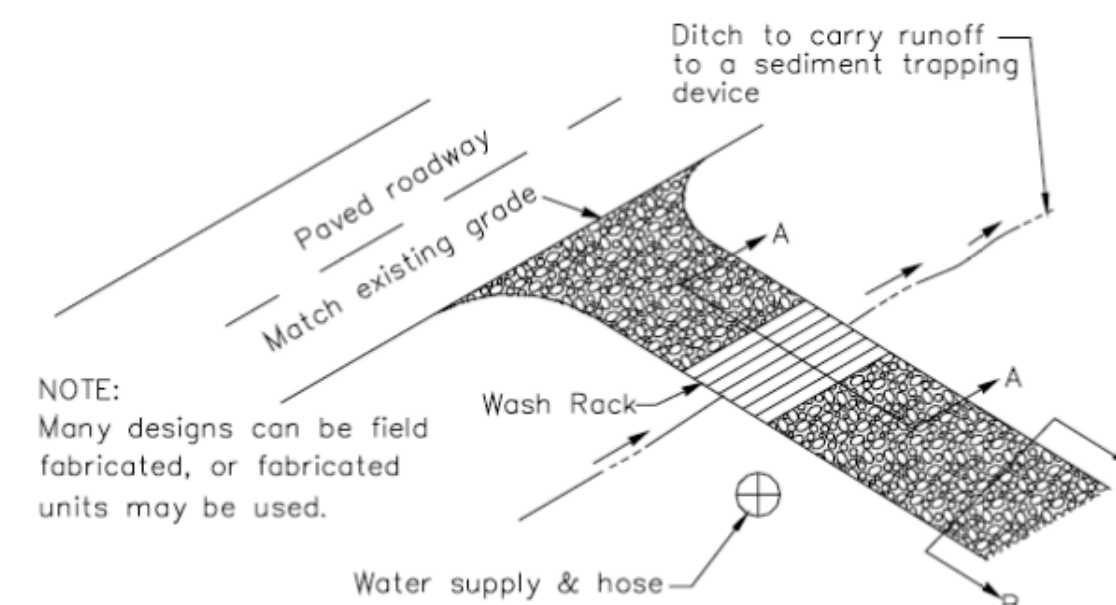
- NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
 2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
 3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

3

Entrance/Outlet Tire Wash

CASQA Detail TC-3

SECTION A-A
NOT TO SCALESECTION B-B
NTS

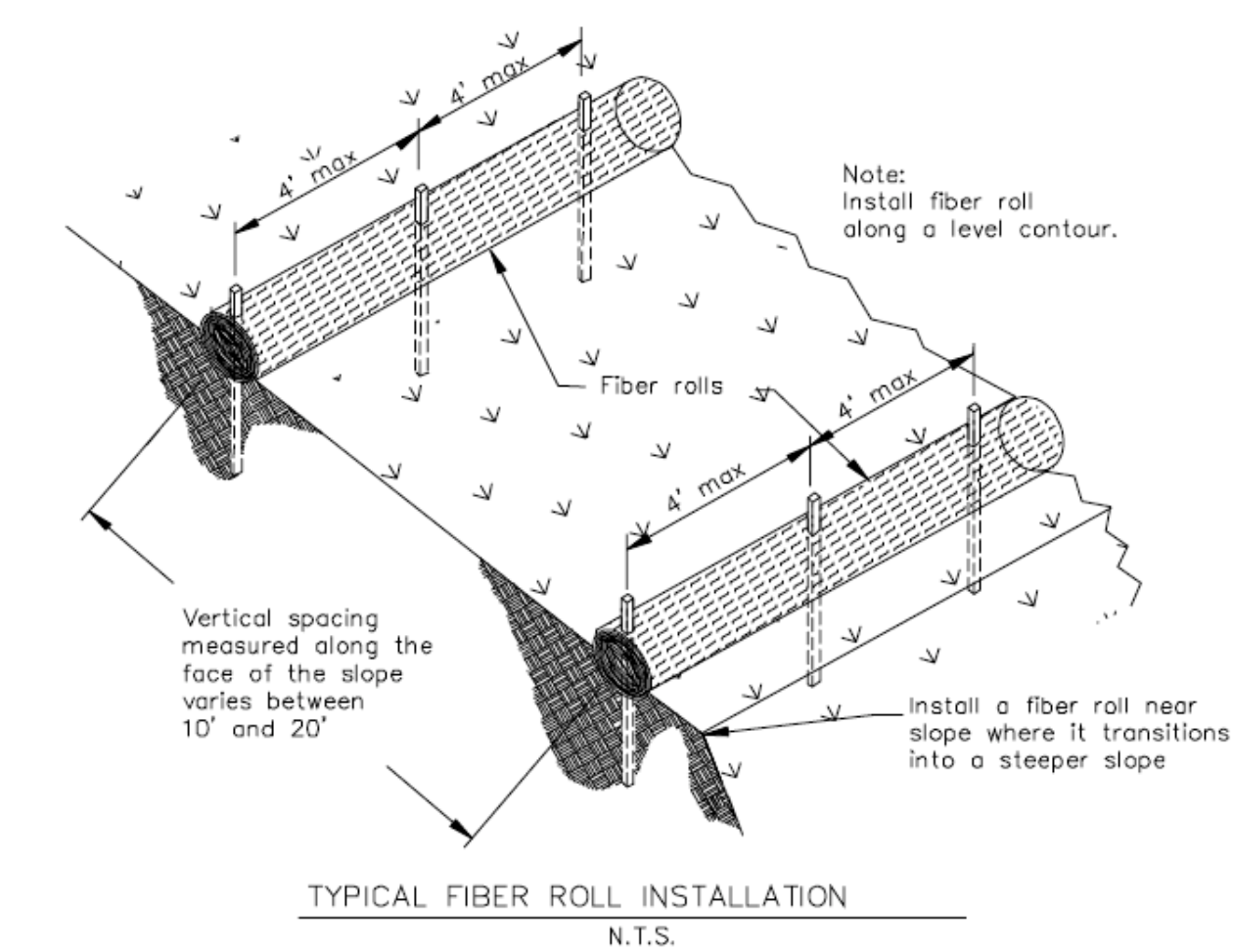
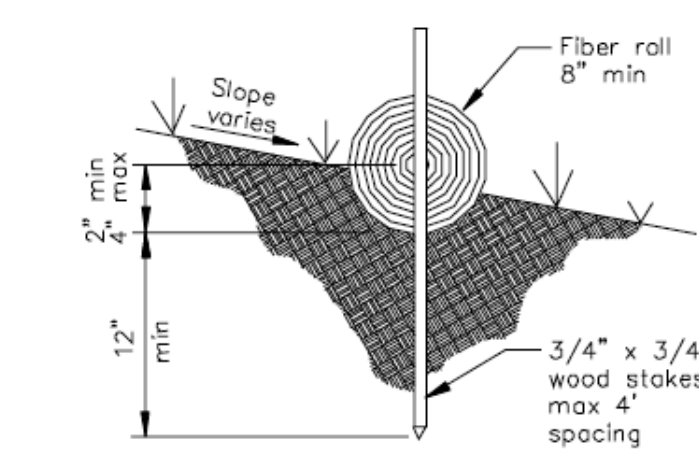
NOTE:
Many designs can be field fabricated, or fabricated units may be used.

TYPICAL TIRE WASH
NOT TO SCALE

1

Fiber Rolls

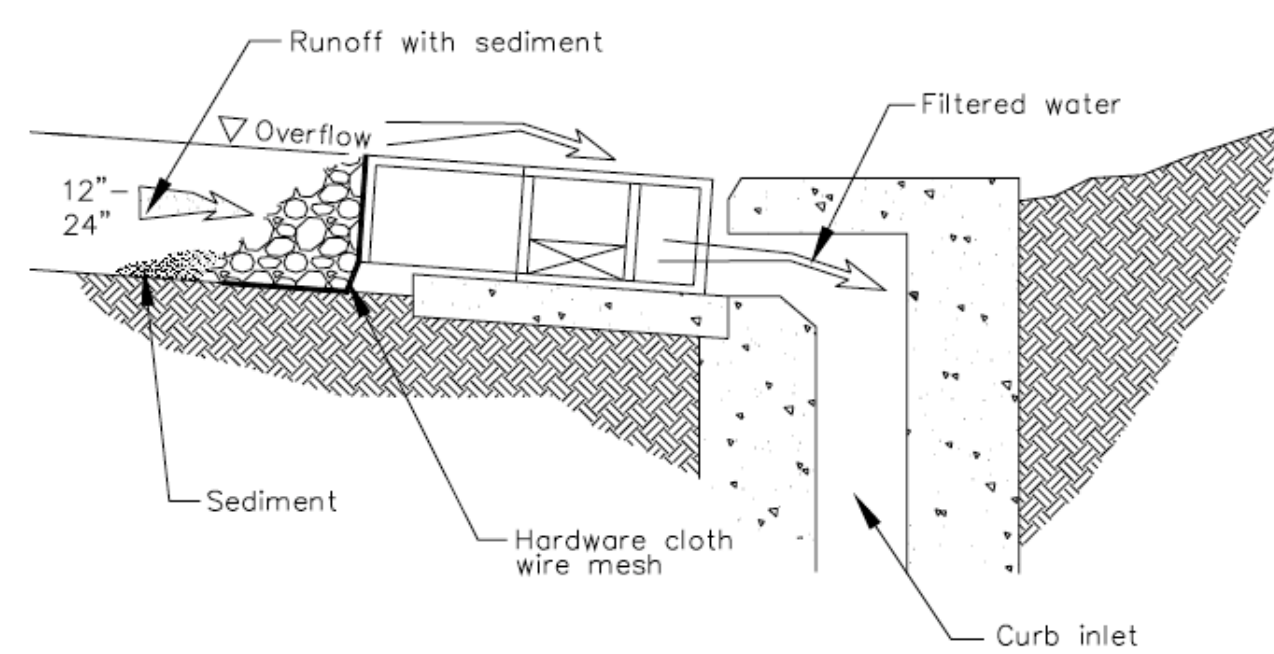
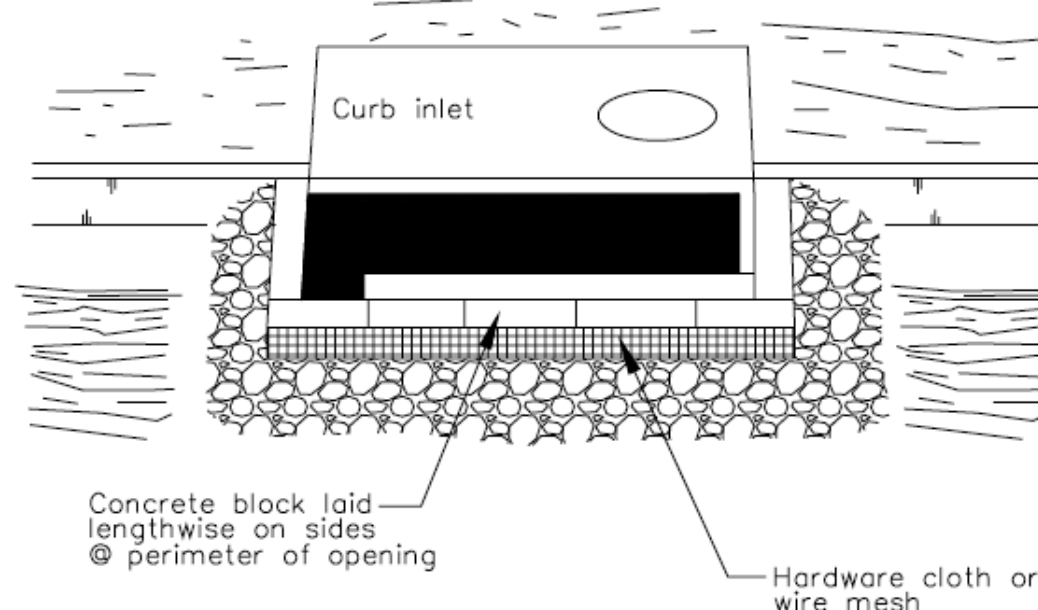
CASQA Detail SE-5

TYPICAL FIBER ROLL INSTALLATION
N.T.S.ENTRENCHMENT DETAIL
N.T.S.

8

Storm Drain Inlet Protection

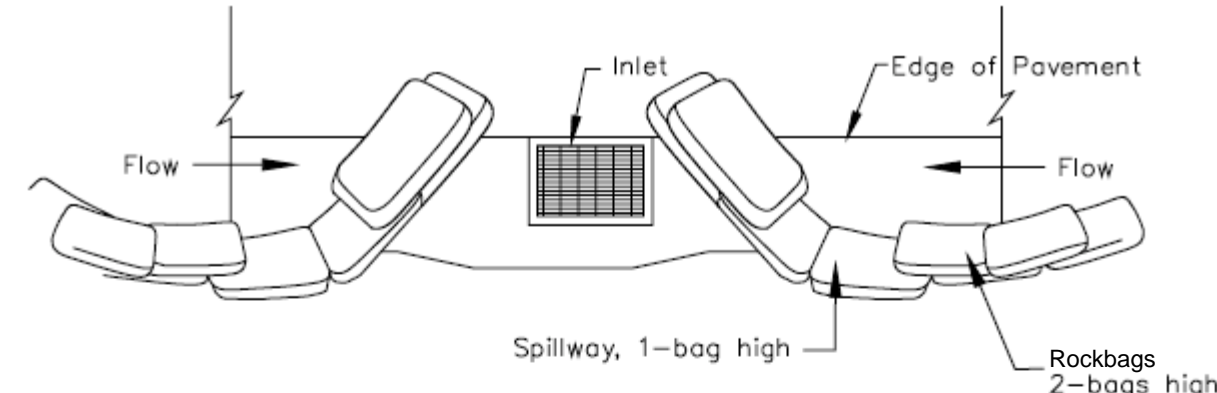
CASQA Detail SE-10

DI PROTECTION - TYPE 4
NOT TO SCALE

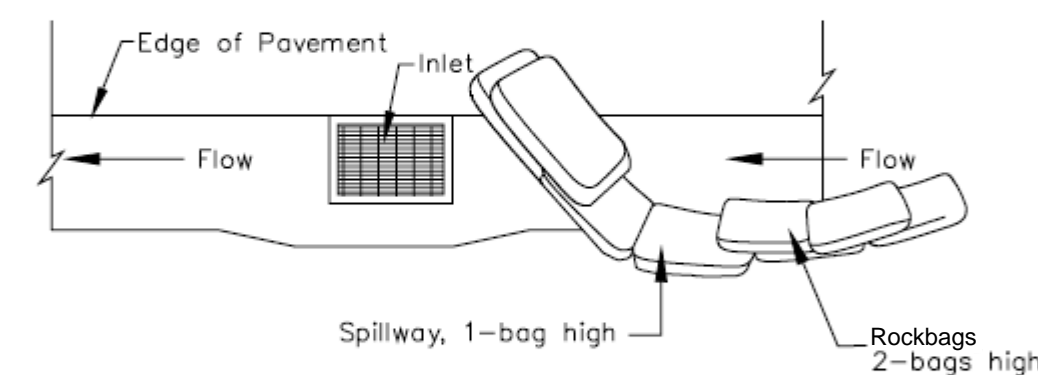
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Storm Drain Inlet Protection

CASQA Detail SE-10



TYPICAL PROTECTION FOR INLET ON SUMP



TYPICAL PROTECTION FOR INLET ON GRADE

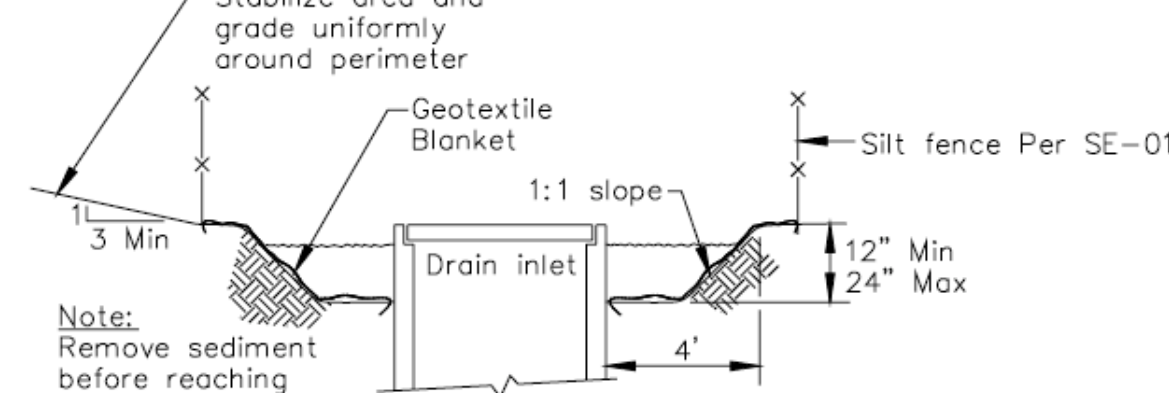
- NOTES:
1. Intended for short-term use.
 2. Use to inhibit non-storm water flow.
 3. Allow for proper maintenance and cleanup.
 4. Bags must be removed after adjacent operation is completed
 5. Not applicable in areas with high silts and clays without filter fabric.

DI PROTECTION TYPE 3
NOT TO SCALE

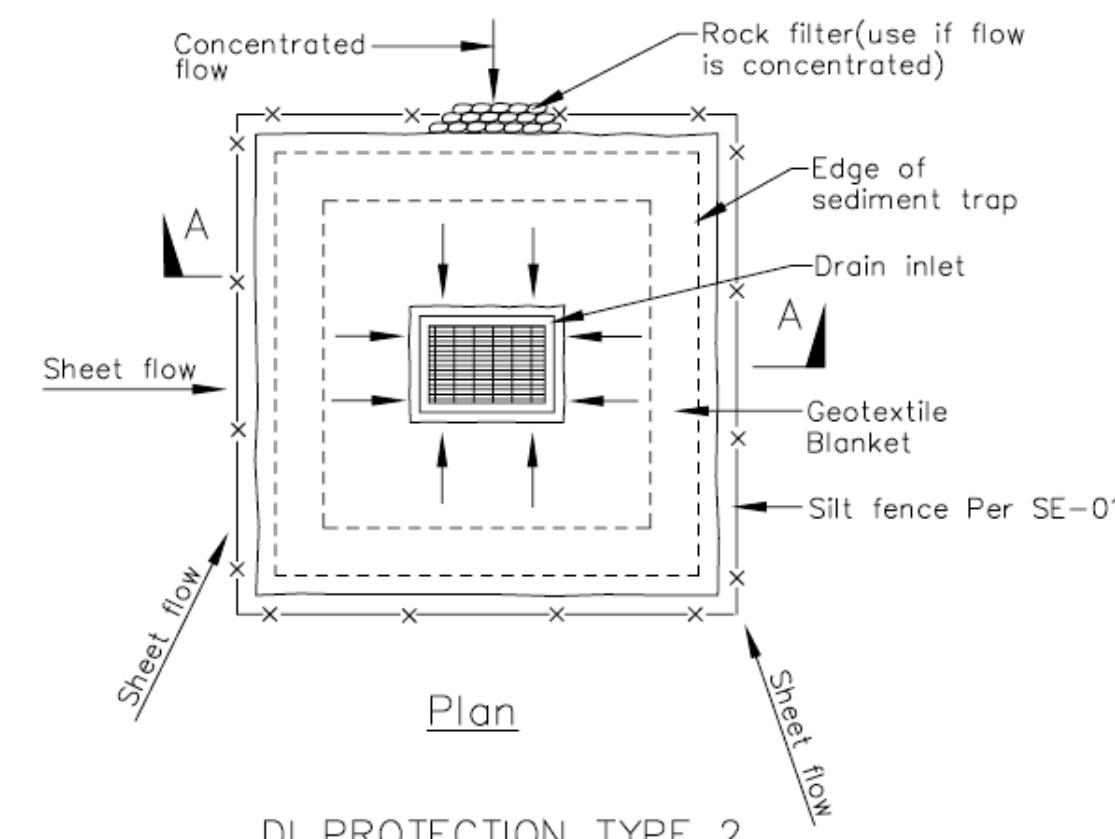
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Storm Drain Inlet Protection

CASQA Detail SE-10



Section A-A

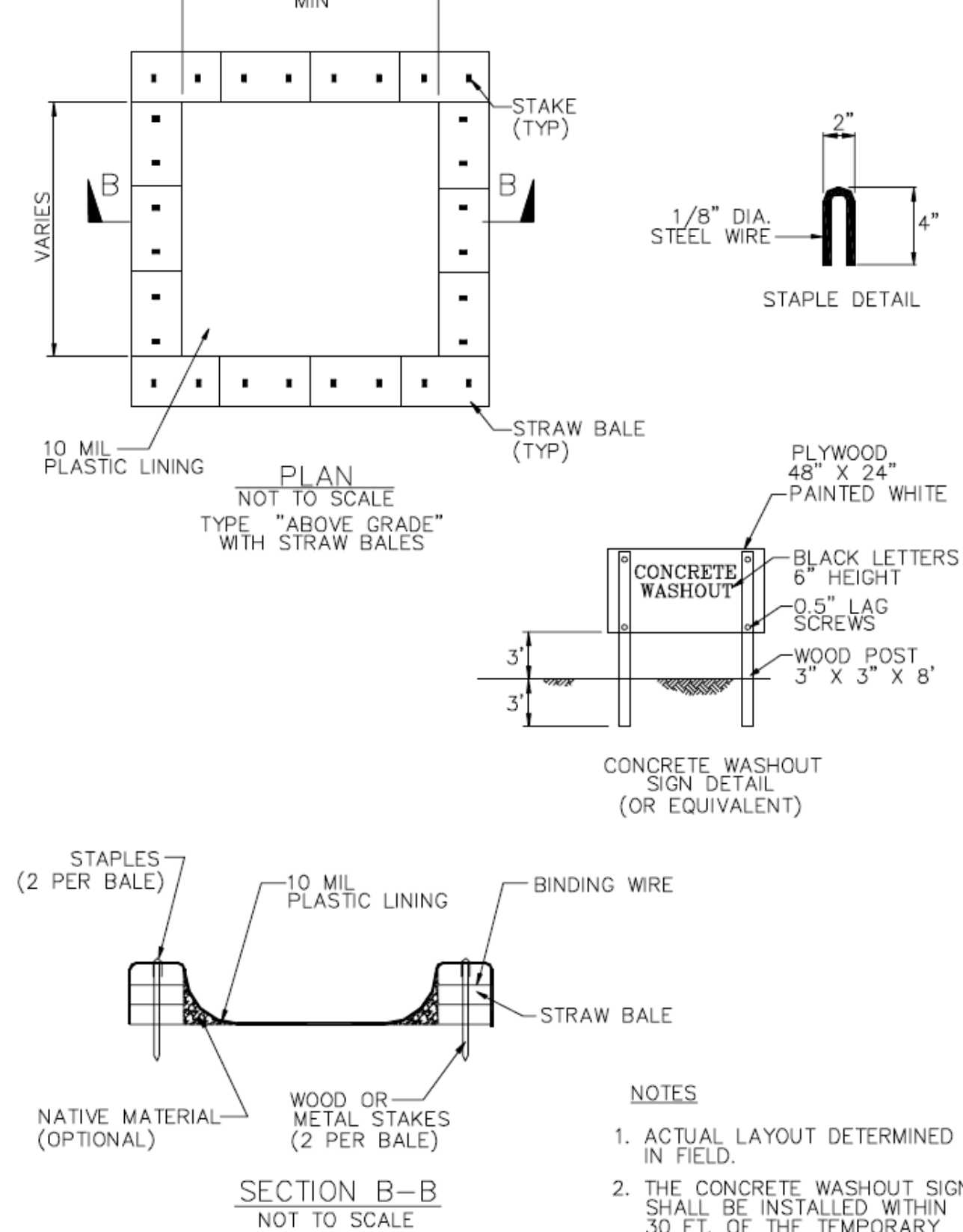
DI PROTECTION TYPE 2
NOT TO SCALE

- Notes
1. For use in cleared and grubbed and in graded areas.
 2. Shape basin so that longest inflow area faces longest length of trap.
 3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.

2

Concrete Waste Management

CASQA Detail WM-8



- NOTES
1. ACTUAL LAYOUT DETERMINED IN FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003.
Available from www.cabmphandbooks.com.