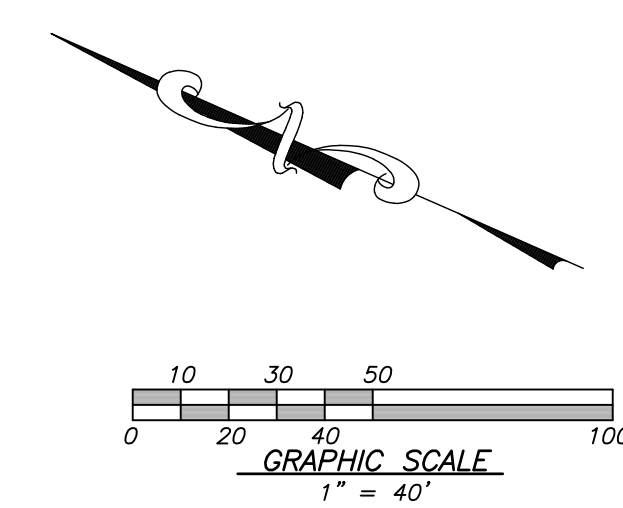
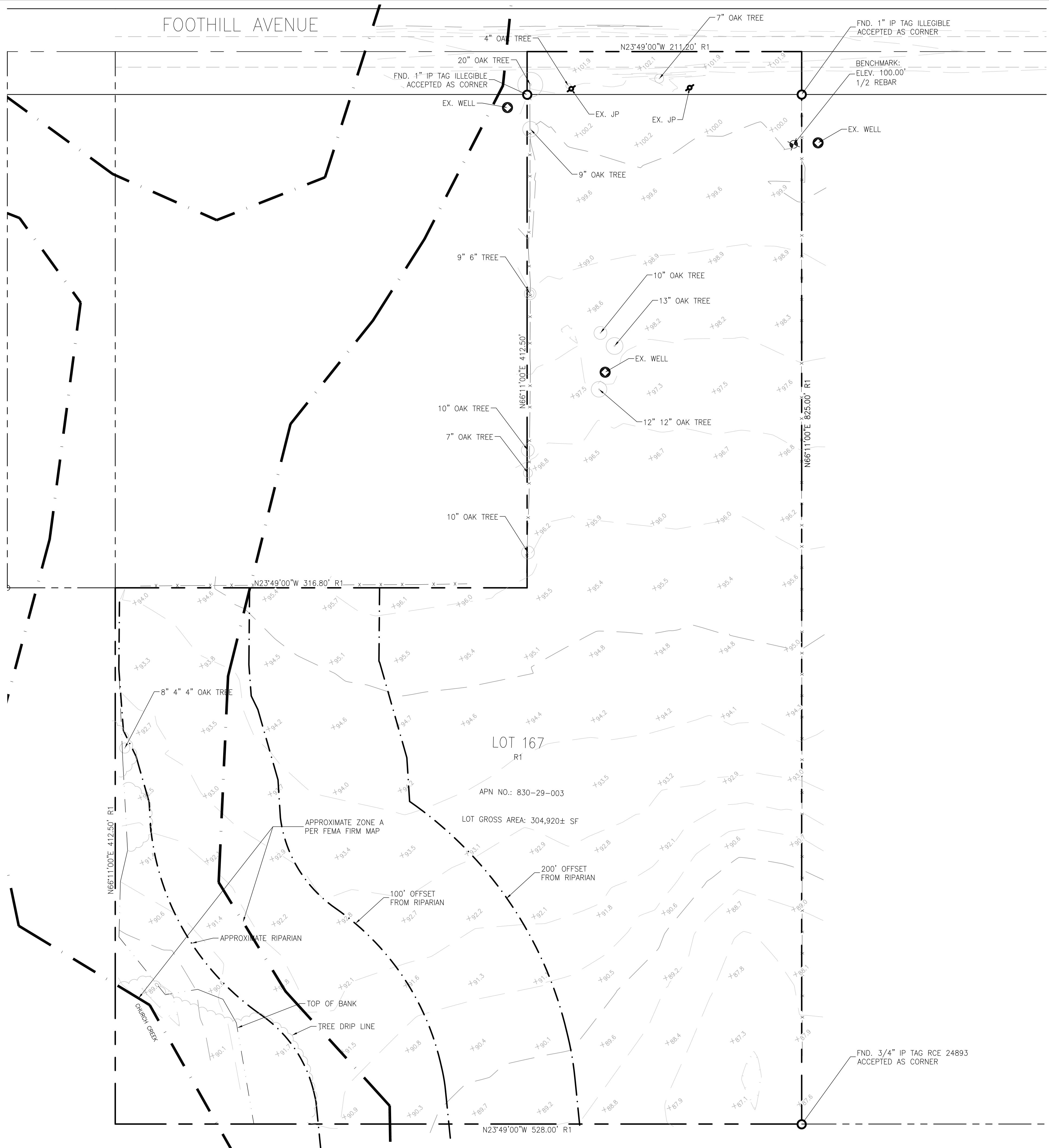




FOOTHILL AVENUE

**LEGEND**

---	EXISTING CONTOUR LINE
- - -	NATURAL GRADE CONTOUR LINE
⊙	FOUND CITY MONUMENT BOX, OR AS NOTED
---	BOUNDARY OF PROPERTY SURVEYED
( )	RECORD INFORMATION
---	CENTERLINE
△	CURB INLET
---	CURB LINE
---	DRIVEWAY APRON
○	ELECTROUIER
- x - x - x	FENCE
⊕	FIRE HYDRANT
⊞	FLAT GRATE INLET
O.H. PWR	OVERHEAD POWER LINE
O.H. TEL	OVERHEAD TELEPHONE LINE
SS	SANITARY SEWER LINE
○	SANITARY SEWER MANHOLE
⊙	SANITARY SEWER CLEANOUT
+	SIGN
SD	STORM DRAIN LINE
⊙	STORM DRAIN MANHOLE
□	UTILITY BOX
○	UTILITY POLE
W	WATER LINE
⊕	WATER METER
⊕	WATER VALVE
⊕	ELECTRIC METER
⊕	WATER HEATER
⊕	GAS
⊕	WELL



**BASIS OF BEARINGS**  
 THE BEARING NORTH 66°11'00" EAST OF THE LOT 167 AS SHOWN ON THAT PARCEL MAP FILED FOR RECORD IN BOOK 587 OF MAPS PAGES 13, SANTA CLARA COUNTY RECORDS, AND AS FOUND MONUMENTED, WAS TAKEN AS THE BASIS OF BEARING FOR THIS SURVEY.

**REFERENCES:**  
 R1 DEED # 22828129 115-M-46&47  
 R2 RECORD OF SURVEY 215-M-15  
 R3 PARCEL MAP 587-M-13

**BENCH MARK**  
 DESCRIPTION: ASSUMED BENCHMARK, 1/2 REBAR IN THE LOT, NEAR THE SOUTHERLY EASTERLY CORNER OF LOT AS SHOWN: ELEV.: 100.00'

**ABBREVIATIONS**

APN	ASSESSOR'S PARCEL NUMBER
BM	BENCH MARK
CATV	CABLE TELEVISION OVERHEAD
D	CURVE DELTA
DRWY	DRIVEWAY
DS	DOWNSPOUT
FL	FLOW LINE ELEVATION
IP	IRON PIPE
L	CURVE LENGTH
R#	REFERENCE DOCUMENT
M-M	MONUMENT TO MONUMENT
O.H. PWR	OVERHEAD POWER LINE
O.H. TEL	OVERHEAD TELEPHONE LINE
PCL	PARCEL
P.M.	PARCEL MAP
PTN	PORTION
R	RADIUS
SD	STORM DRAIN
SS	SANITARY SEWER
TC	TOP OF CURB ELEVATION
TEMP.	TEMPORARY
PUE	PUBLIC UTILITY EASEMENT
WLE	WATER LINE EASEMENT

- NOTES:**
- DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
  - THE DISTINCTIVE BORDER LINE DENOTES THE BOUNDARY.
  - TREES SPECIES NAMES ARE APPROXIMATE, AND LABELED BY THEIR COMMON NAME TO THE BEST OF OUR KNOWLEDGE. IT IS NOT BASED ON AN ARBORIST REPORT.
  - THIS MAP REPRESENTS TOPOGRAPHY OF THE SURFACE FEATURES ONLY.
  - UNLESS SPECIFIED ON THIS MAP, LOCATIONS OF THE UNDERGROUND AND OVERHEAD UTILITIES ARE NEITHER INTENDED NOR IMPLIED. FOR THE LOCATIONS OF UNDERGROUND UTILITIES CALL "USA" (1-800-642-2440).
  - A TITLE REPORT FOR THE SUBJECT PROPERTY HAS NOT BEEN EXAMINED BY GREENBLUEARTH, INC. OTHER EASEMENTS OF RECORD MAY EXIST THAT ARE NOT SHOWN ON THIS MAP.

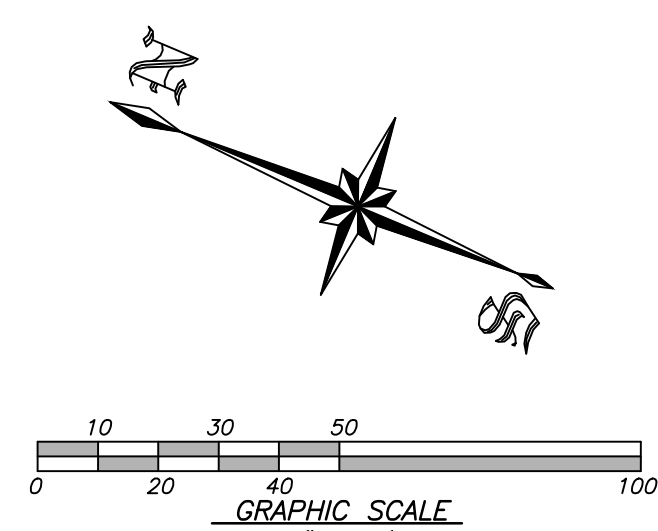
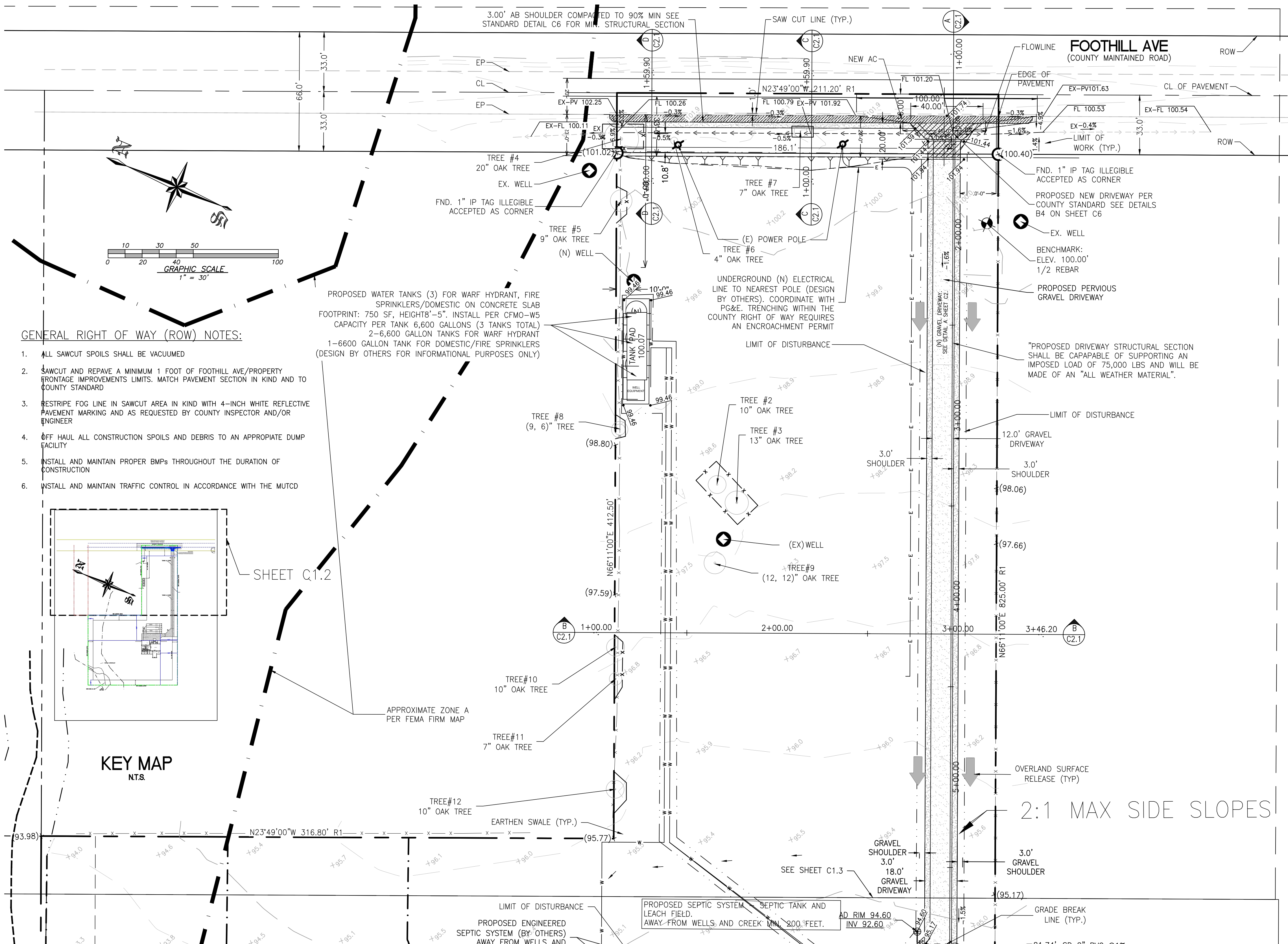
**RECORD OF SURVEY NOTE:**  
 THIS PRELIMINARY SITE SURVEY BOUNDARY IS INTENDED FOR INITIAL STUDIES OR PLANNING DESIGN. TO FINALIZE THIS BOUNDARY SURVEY A RECORD OF SURVEY MUST BE FILED PER THE MANDATORY FILING PROVISIONS OF SECTION 8762(B) OF THE PROFESSIONAL LAND SURVEYORS' ACT. THE RECORD OF SURVEY IS BEING FILED CONCURRENTLY WITH THESE PLANS

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



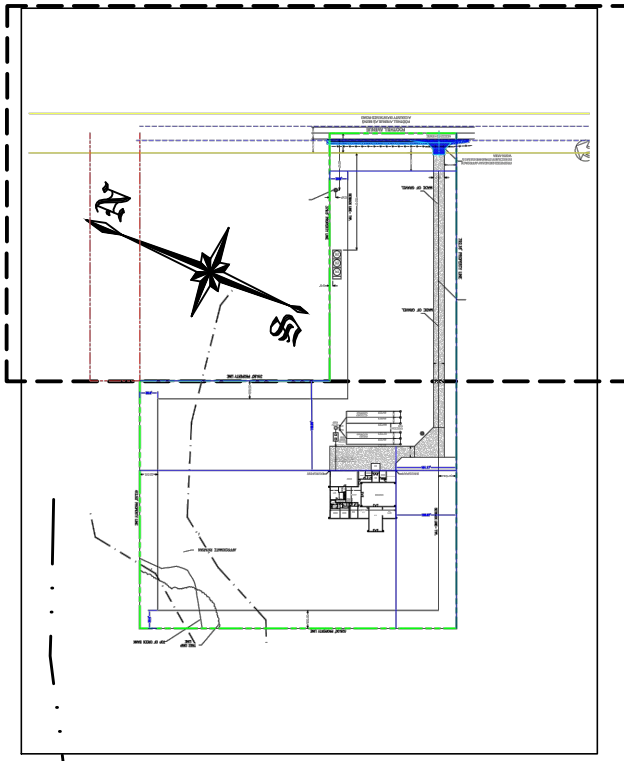
DATE	7-02-18	REVISIONS	AS SHOWN
SCALE	1" = 40'	DRAWN BY	O.OSUNA
CHECKED BY			
SUPERVISED BY: <i>Porfirio Osuna</i> PROFESSIONAL LAND SURVEYOR NO. 8921 EXPIRES 9/30/24 STATE OF CALIFORNIA			
PRELIMINARY BOUNDARY AND TOPOGRAPHIC MAP LANDS OF CHEN 11655 FOOTHILL AVE - APN 830-29-003 GILROY, CALIFORNIA			
JOB NO.	1393		
SHEET	BT1		
OF	11		

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO THE SAFETY OF ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS.



**GENERAL RIGHT OF WAY (ROW) NOTES:**

1. ALL SAWCUT SPOILS SHALL BE VACUUMED
2. SAWCUT AND REPAVE A MINIMUM 1 FOOT OF FOOTHILL AVE/PROPERTY FRONTAGE IMPROVEMENTS LIMITS. MATCH PAVEMENT SECTION IN KIND AND TO COUNTY STANDARD
3. RESTRIPE FOG LINE IN SAWCUT AREA IN KIND WITH 4-INCH WHITE REFLECTIVE PAVEMENT MARKING AND AS REQUESTED BY COUNTY INSPECTOR AND/OR ENGINEER
4. OFF HAUL ALL CONSTRUCTION SPOILS AND DEBRIS TO AN APPROPRIATE DUMP FACILITY
5. INSTALL AND MAINTAIN PROPER BMPs THROUGHOUT THE DURATION OF CONSTRUCTION
6. INSTALL AND MAINTAIN TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD



SHEET C1.2

PROPOSED WATER TANKS (3) FOR WARF HYDRANT, FIRE SPRINKLERS/DOMESTIC ON CONCRETE SLAB FOOTPRINT: 750 SF, HEIGHTS 8'-5". INSTALL PER CFMO-W5 CAPACITY PER TANK 6,600 GALLONS (3 TANKS TOTAL) 2-6,600 GALLON TANKS FOR WARF HYDRANT 1-6600 GALLON TANK FOR DOMESTIC/FIRE SPRINKLERS (DESIGN BY OTHERS FOR INFORMATIONAL PURPOSES ONLY)

PROPOSED SEPTIC SYSTEM, SEPTIC TANK AND LEACH FIELD. AWAY FROM WELLS AND CREEK MIN. 200' FEET.

2:1 MAX SIDE SLOPES

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

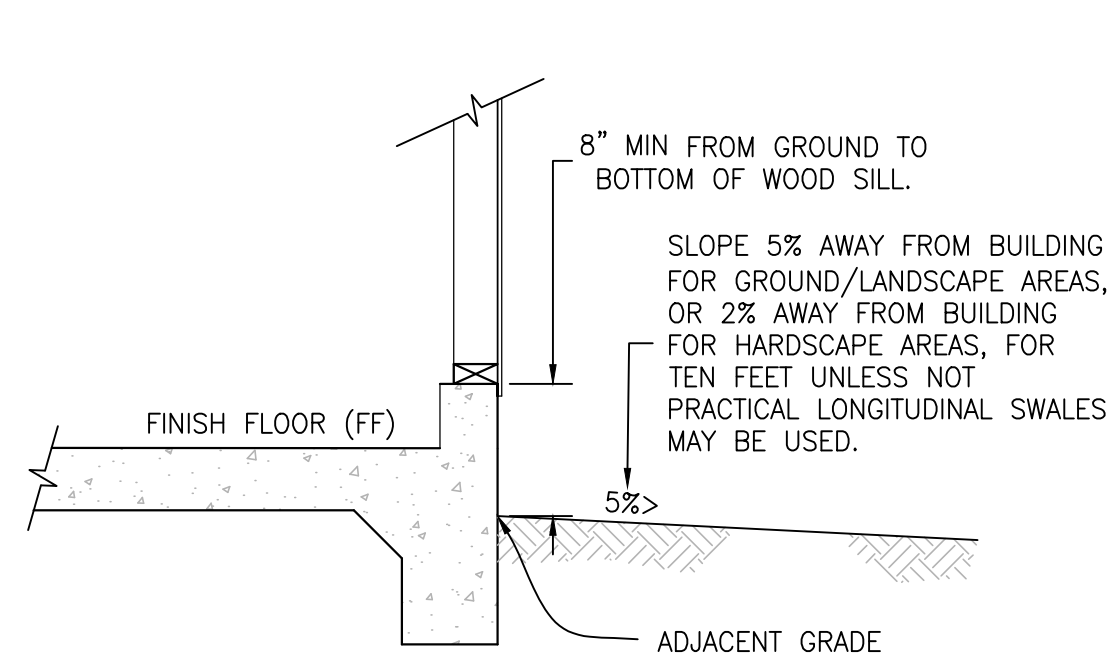
**PUBLIC IMPROVEMENTS AND GRADING & DRAINAGE PLAN**  
11655 FOOTHILL AVE  
CITY OF GALT  
Project No.: 1383 Design: J0/00 Check: O.C. Date: 7/29/24

**OSUNA ENGINEERING INC.**  
Planning | Surveying | Civil Engineering  
1942 O' TOOLE WAY  
SAN JOSE, CA 95131  
OSUNAENGINEERING.COM

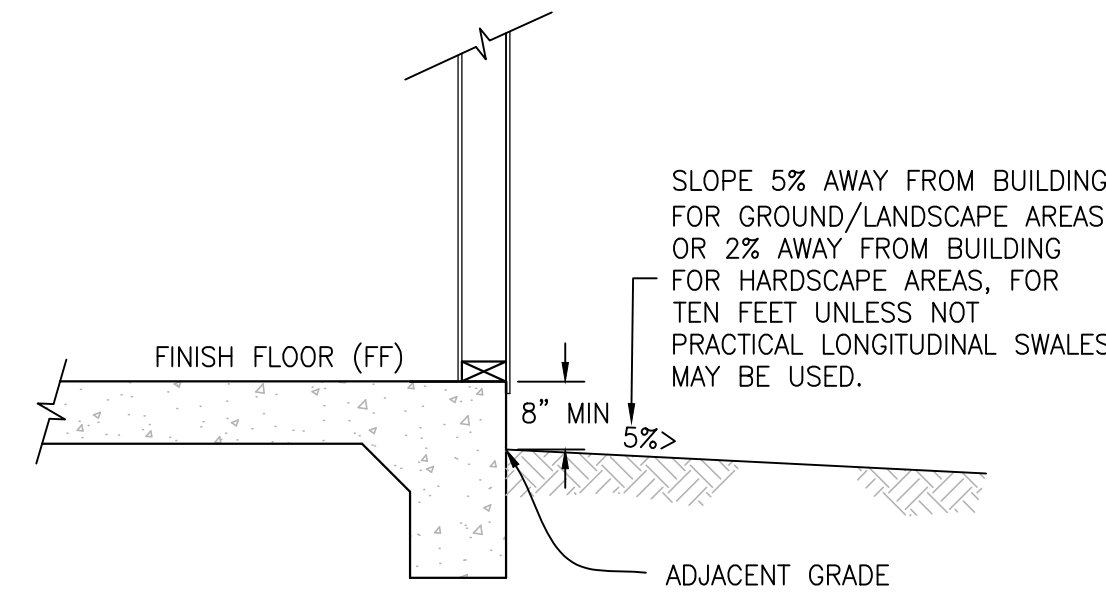
REGISTERED PROFESSIONAL ENGINEER  
PORFIRIO OSCAR OSUNA  
No. 70829  
Exp. 6-30-25  
CIVIL  
STATE OF CALIFORNIA  
PORFIRIO OSCAR OSUNA  
RCE 70829 EXP. 6-30-25

NO.	DATE	BY	CITY	REVISIONS

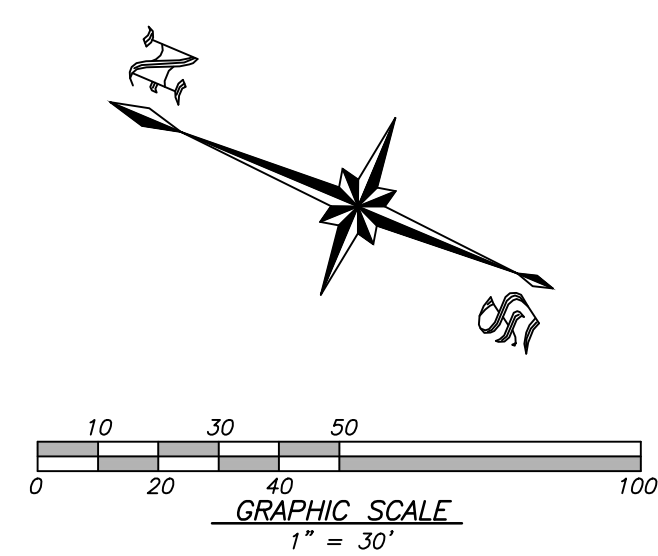
SHEET  
**C1.2**  
OF 11 SHEETS



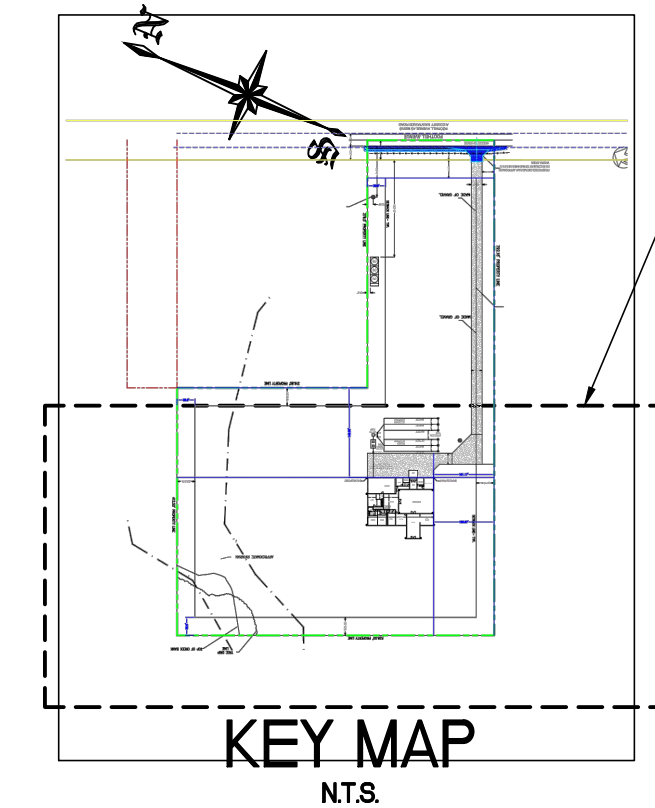
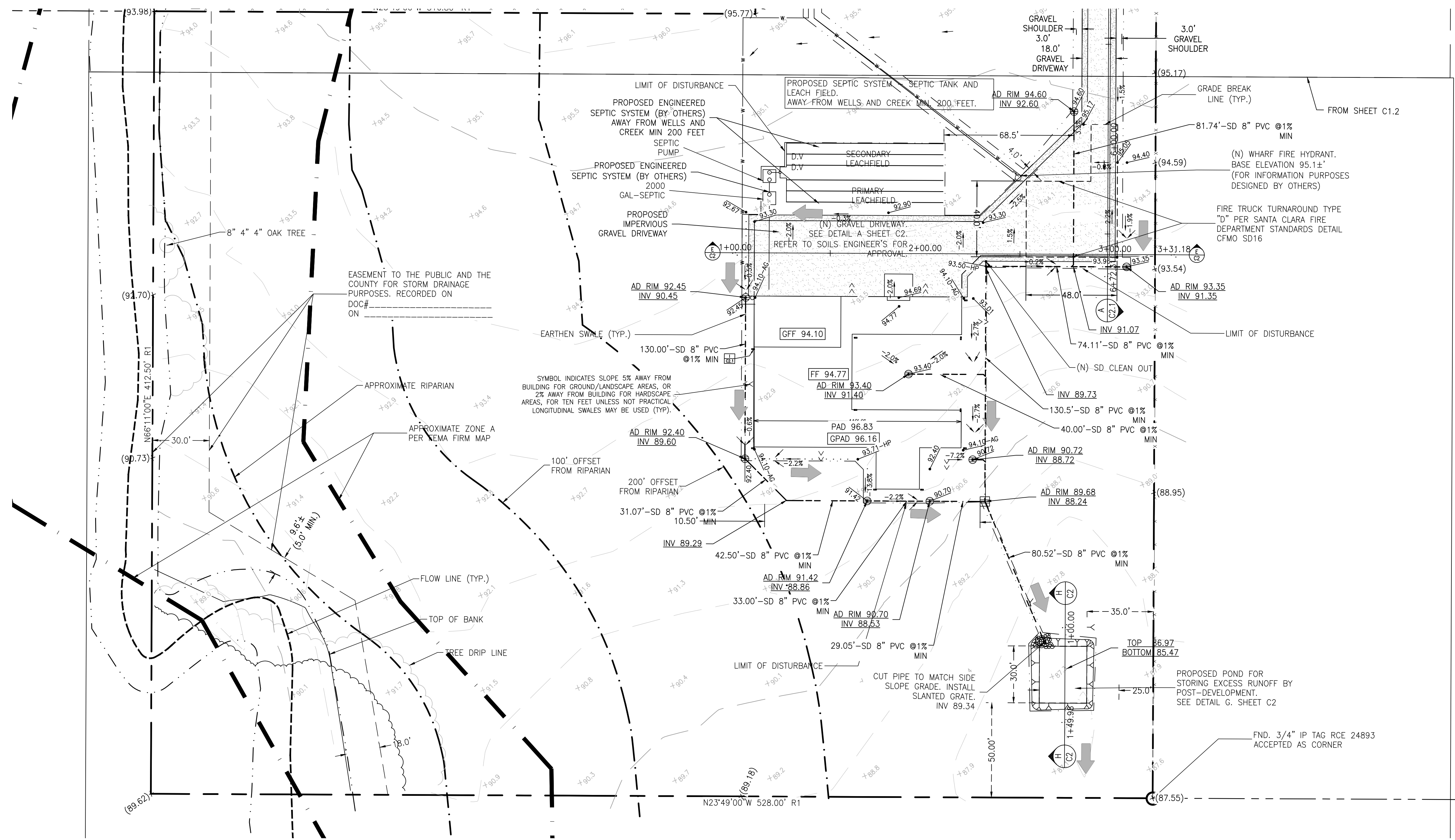
TYPICAL GARAGE FINISH FLOOR/ADJACENT GRADE DETAIL



TYPICAL FINISH FLOOR/ADJACENT GRADE DETAIL



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.



SHEET C1.3

NO.	DESCRIPTION	DATE	BY	REVISIONS



**Porfirio Oscar Osuna**  
 PORFIRIO OSCAR OSUNA  
 RCE 70829 EXP. 6-30-25

**OSUNA ENGINEERING INC.**  
 Planning | Surveying | Civil Engineering  
 1948 O' TOOLE WAY  
 SAN JOSE, CA 95131  
 (408) 772-4381  
 OsunaEngineering@gmail.com

**PUBLIC IMPROVEMENTS AND GRADING & DRAINAGE PLAN**  
 11655 FOOTHILL AVE  
 CITY OF GALTOSY  
 Project No.: 1383 | Design: J0/00 | Check: O.C. | Date: 7/29/24

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

SHEET  
**C1.3**  
 OF 11 SHEETS

**ABBREVIATIONS**

- AC = ASPHALT CONCRETE
- AD = AREA DRAIN
- BC = BEGIN CURVE
- BS = BOTTOM OF STAIR
- BU = BUBBLE UP
- BVC = BEGIN VERTICAL CURVE
- BRW = BOTTOM OF RETAINING WALL
- CB = CATCH BASIN
- CL = CENTERLINE
- CO = CLEANOUT
- DS = DOWNSPOUT WITH SPLASH BOX
- EC = END CURVE
- ELEV. = ELEVATION
- EVO = END VERTICAL CURVE
- EX. = EXISTING
- F/C = FACE OF CURB
- FF = FINISHED FLOOR ELEVATION
- FH = FIRE HYDRANT
- FL = FLOW LINE
- GB = GRADE BREAK
- GFF = GARAGE FINISH FLOOR
- HP = HIGH POINT
- HC = HANDICAP UNIT
- INV = INVERT
- LP = LOW POINT
- PAD = PAD ELEVATION
- PCC = PORTLAND CEMENT CONCRETE
- PL = PROPERTY LINE
- PV = PAVEMENT GRADE
- PVC = POLYVINYL CHLORIDE PIPE
- PVI = POINT OF VERTICAL INTERSECTION
- ROP = REINFORCED CONCRETE PIPE
- ROW = RIGHT OF WAY
- S<sub>0.004> = SLOPE
- SD = STORM DRAIN
- SDMH = STORM DRAIN MANHOLE
- SG = SUBGRADE ELEVATION
- SS = SANITARY SEWER
- SSMH = SANITARY SEWER MANHOLE
- STA = STATION
- TC = TOP OF CURB
- TF = TOP OF FENCE
- TRW = TOP OF RETAINING WALL
- TS = TOP OF STAIR
- TW = TOP OF WALL
- VCP = VITRIFIED CLAY PIPE
- WM = WATER METER
- WV = WATER VALVE

**BENCH MARK**

DESCRIPTION: ASSUMED BENCHMARK, 1/2 REBAR IN THE LOT, NEAR THE SOUTHERLY EASTERLY CORNER OF LOT AS SHOWN. ELEV.: 100.00'

**PERVIOUS AND IMPERVIOUS SURFACE COMPARISON TABLE**

<b>a. Project Phase Number: (N/A, 1, 2, etc.)</b>	N/A	<b>b. Total Site (acres):</b>	7.00
<b>c. Impervious Surfaces (square feet):</b>	1	<b>d. Total Area of Site Disturbed (acres):</b>	0.98

	Existing Condition of Site Area Disturbed (+/- sq.ft.)	Proposed Condition of Site Area Disturbed (+/- sq.ft.)	
		Replaced (1)	New (2)
<b>e. Impervious Surfaces</b>			
Roof Area(s)	1	1	7,732
Parking/Driveways	0	0	14,912
Sidewalks, Patios, etc.	0	0	660
Streets (Public)	0	0	0
Roadway Projects	0	0	0
Streets (Private)	0	0	0
<b>Total Impervious Surfaces: e.1</b>	<b>1</b>	<b>e.2</b>	<b>e.3</b> 23,304
<b>f. Pervious Surfaces</b>			
Landscape Areas	42,575	0	19,271
Pervious Pavers	0	0	0
Other Pervious Surfaces (green roof, etc.)	0	0	0
<b>Total Pervious Surfaces: f.1</b>	<b>42,575</b>	<b>f.2</b>	<b>f.3</b> 19,271

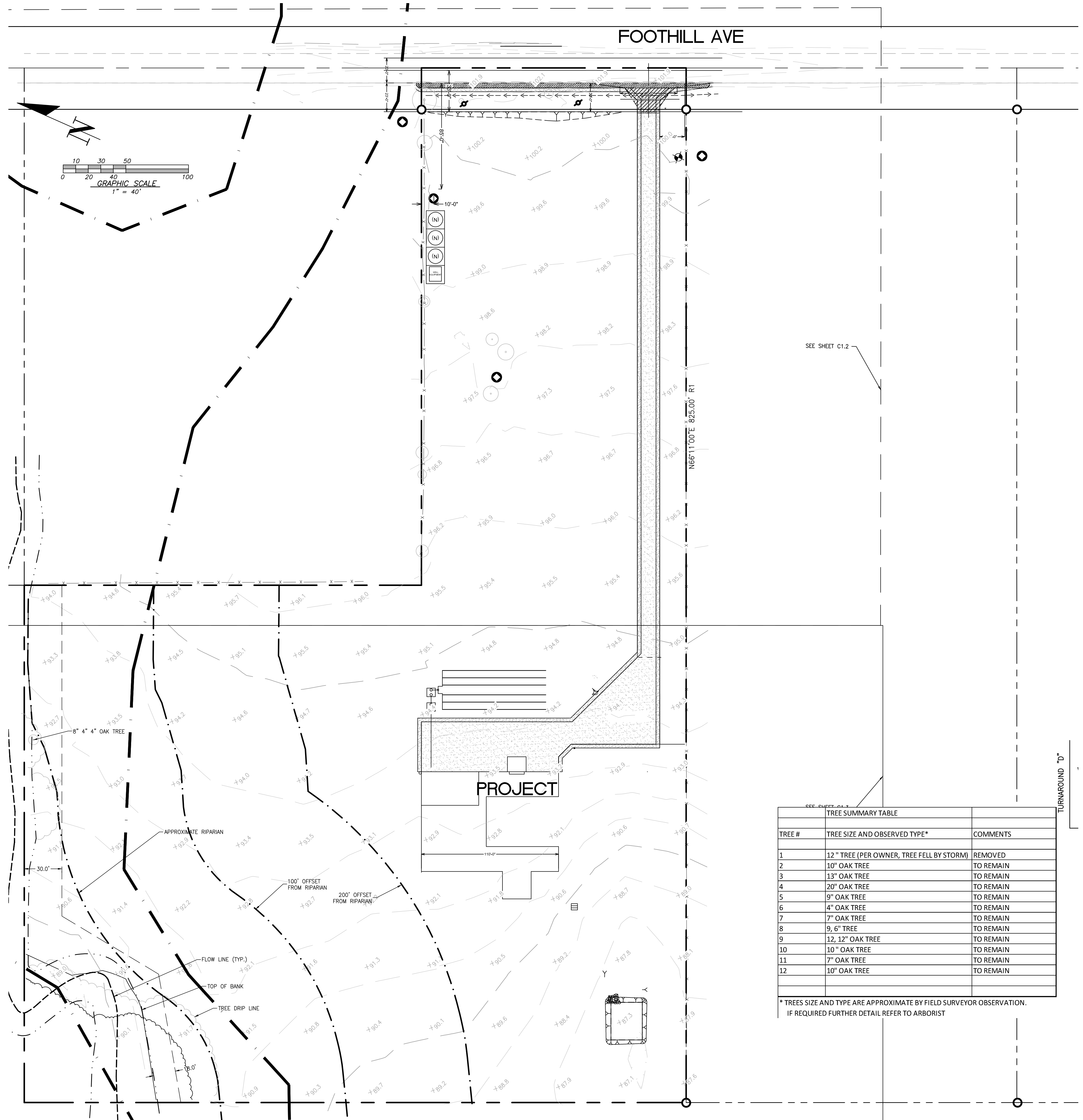
<b>g. Total Proposed Replaced + New Impervious Surfaces (e.2 + e.3):</b>	<b>23,305</b>
<b>h. Total Proposed Pervious Surfaces = Total Proposed Replaced + New Pervious Surfaces:</b>	<b>19,271</b>

<b>i. Percent of Replacement of Impervious Area in Redevelopment Projects (e.2/c x 100)</b>	<b>100%</b>
---	-------------

**LEGEND**

- | DESCRIPTION                   | SYMBOL  |
|-------------------------------|---------|
| BOUNDARY LINE                 | ---     |
| LOT LINE                      | ---     |
| EASEMENT LINE                 | ---     |
| SIDEWALK                      | ---     |
| WOOD FENCE                    | X-X     |
| CHAIN LINK FENCE              | --- --- |
| RETAINING WALL                | ---     |
| DRIVEWAY DRAIN INLET          | ---     |
| AREA DRAIN                    | ---     |
| DROP INLET                    | ---     |
| MONUMENT                      | ---     |
| FIRE HYDRANT                  | ---     |
| ELECTROLYSER                  | ---     |
| WATER METER                   | ---     |
| AC UNIT                       | ---     |
| SANITARY SEWER LATERAL        | ---     |
| STORM DRAIN                   | ---     |
| SANITARY SEWER                | ---     |
| STREET LIGHT CONDUITS         | ---     |
| WATER                         | ---     |
| JOINT TRENCH                  | ---     |
| HOUSE SERVICE                 | ---     |
| SLOPE ARROW                   | ---     |
| EXISTING CONTOUR              | ---     |
| PROPOSED CONTOUR              | ---     |
| OVERLAND RELEASE              | ---     |
| DIRECTION OF SURFACE DRAINAGE | ---     |
| SEE SLOPE ARMY FROM BUILDING  | ---     |

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



SEE SHEET C1.2

SEE SHEET C1.2

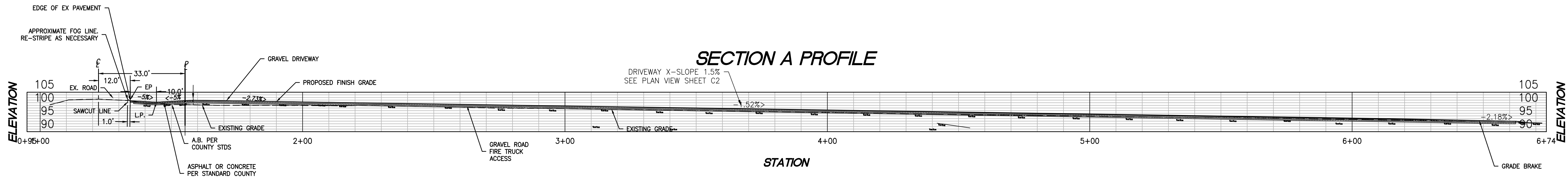
TREE #	TREE SIZE AND OBSERVED TYPE*	COMMENTS
1	12" TREE (PER OWNER, TREE FELL BY STORM)	REMOVED
2	10" OAK TREE	TO REMAIN
3	13" OAK TREE	TO REMAIN
4	20" OAK TREE	TO REMAIN
5	9" OAK TREE	TO REMAIN
6	4" OAK TREE	TO REMAIN
7	7" OAK TREE	TO REMAIN
8	9, 6" TREE	TO REMAIN
9	12, 12" OAK TREE	TO REMAIN
10	10" OAK TREE	TO REMAIN
11	7" OAK TREE	TO REMAIN
12	10" OAK TREE	TO REMAIN

\* TREES SIZE AND TYPE ARE APPROXIMATE BY FIELD SURVEYOR OBSERVATION. IF REQUIRED FURTHER DETAIL REFER TO ARBORIST

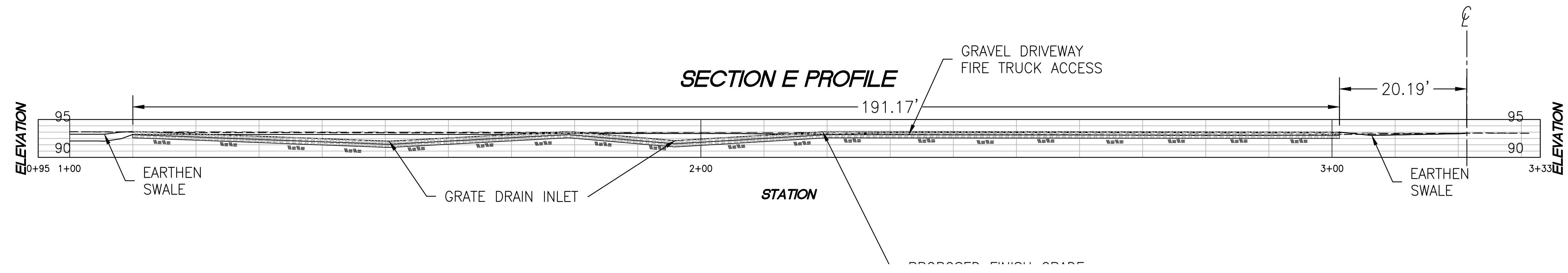
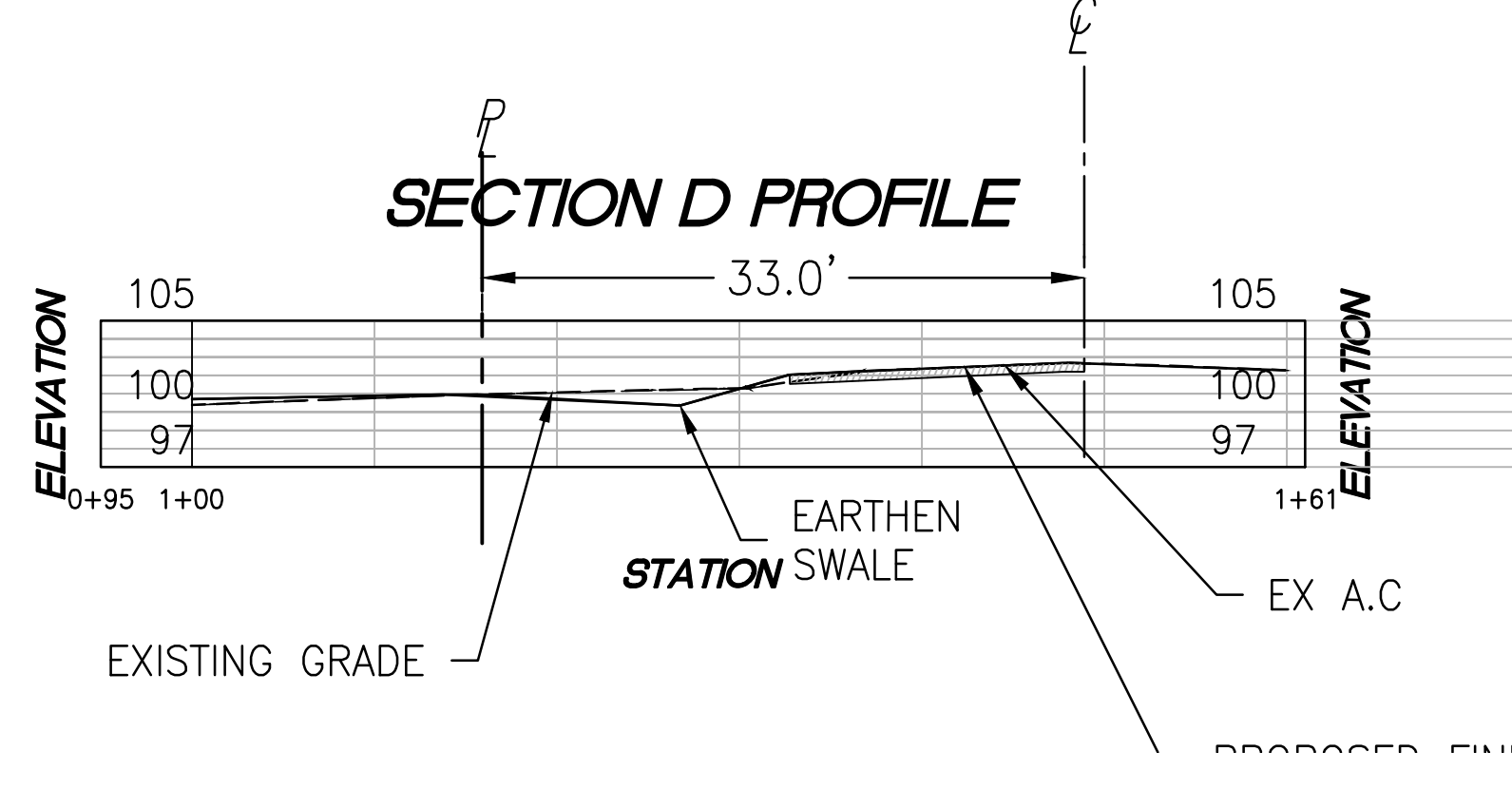
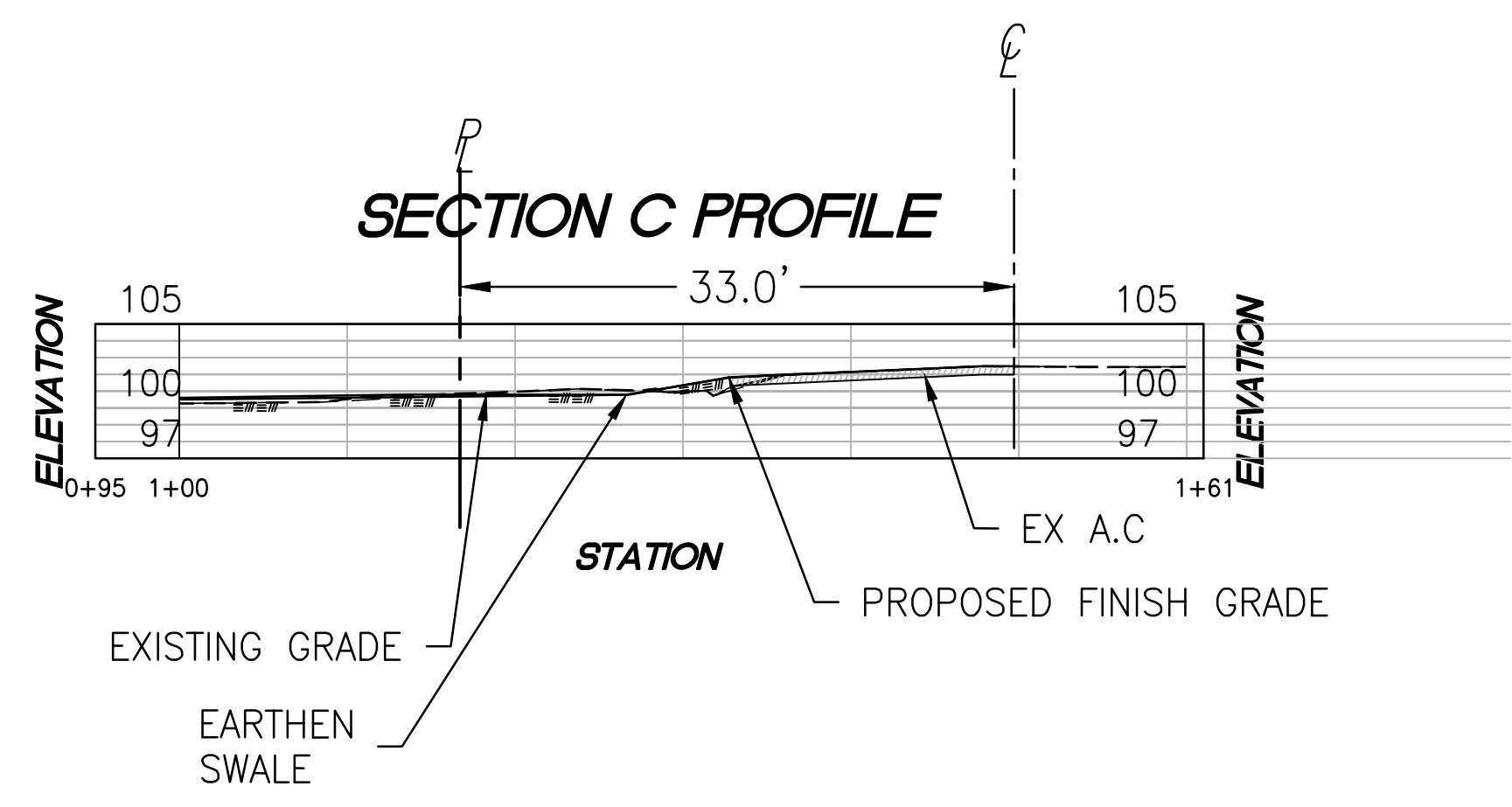
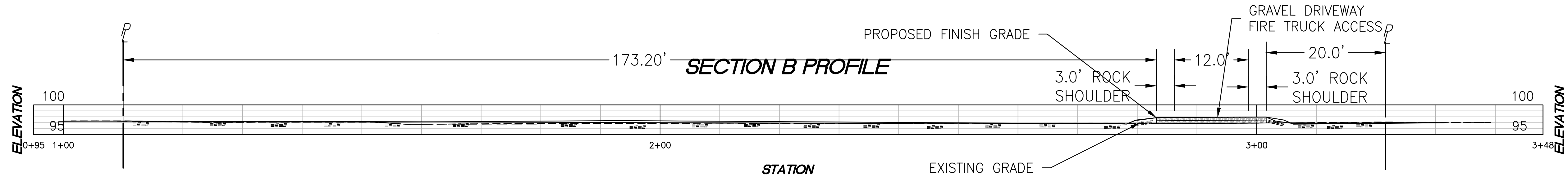
<p><b>OSUNA ENGINEERING INC.</b> Planning   Surveying   Civil Engineering 1949 O'ROOLE WAY SAN JOSE, CA 95131 TEL: (408) 772-4381 OsunaEngineering@gmail.com</p>	<p><b>PUBLIC IMPROVEMENTS AND GRADING &amp; DRAINAGE PLAN</b></p> <p><b>SITE PLAN</b></p> <p><b>11655 FOOTHILL AVE</b></p> <p>CITY OF GALTOS, CALIFORNIA Project No.: 1383   Design: J0/00   Check: O.C.   Date: 7/29/24</p>												
<p><b>SHEET C1</b></p> <p>OF 11 SHEETS</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY									
NO.	DATE	BY											

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AGENCIES AND AGENCIES INVOLVED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE PROTECTION OF ALL UTILITIES AND THE PROTECTION OF THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES AND THE PROTECTION OF THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES AND THE PROTECTION OF THE ENVIRONMENT.



H: SCALE: 1"=20' ; V: SCALE: 1"=10'



G NOT USED

NO.	DATE	BY	CITY	REVISIONS



**Porfirio Oscar Osuna**  
 PORFIRIO OSCAR OSUNA  
 RCE 70829 EXP. 6-30-25

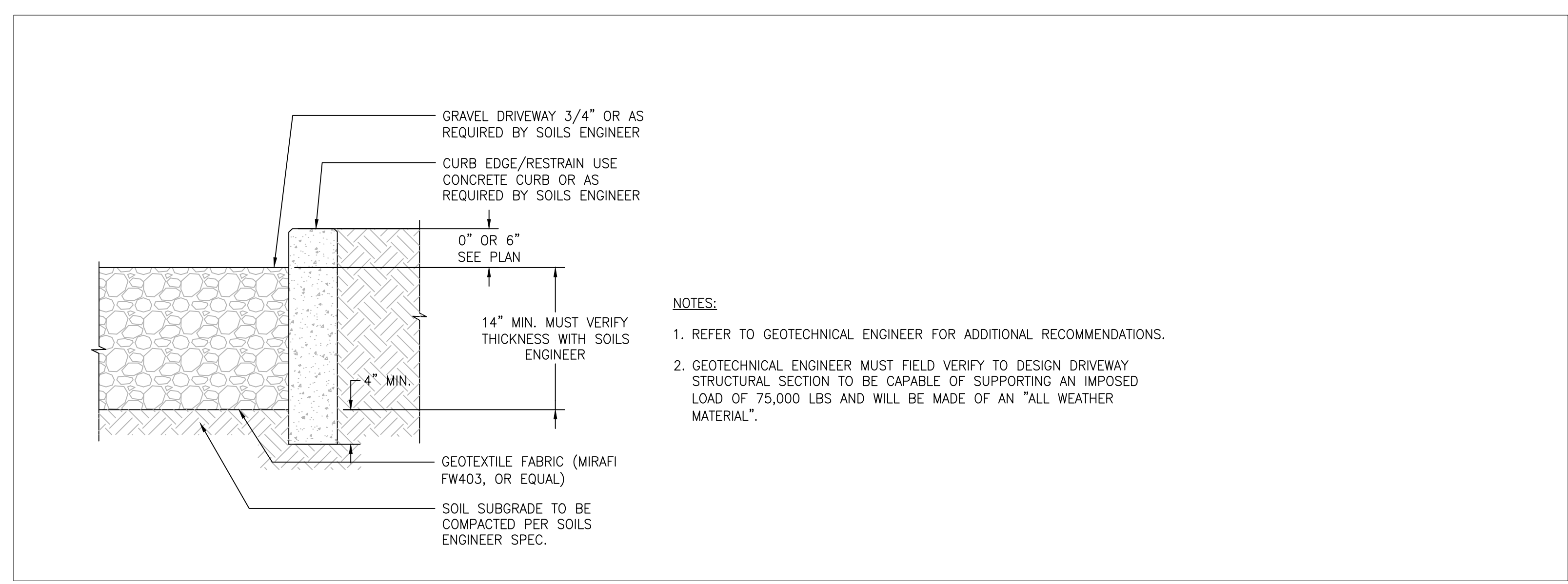
**OSUNA ENGINEERING INC.**  
 Planning | Surveying | Civil Engineering  
 1942 O' TOOLE WAY  
 SAN JOSE, CA 95131  
 TEL: (408) 772-4381  
 OsunaEngineering@gmail.com

PUBLIC IMPROVEMENTS AND  
 GRADING & DRAINAGE PLAN  
 SECTIONS AND DETAILS  
 11655 FOOTHILL AVE  
 CITY OF GALLERY CALIFORNIA  
 Project No.: 1383 Design: J0/00 Check: O.C. Date: 7/29/24

SHEET  
**C2.1**  
 OF 11 SHEETS

N.T.S.

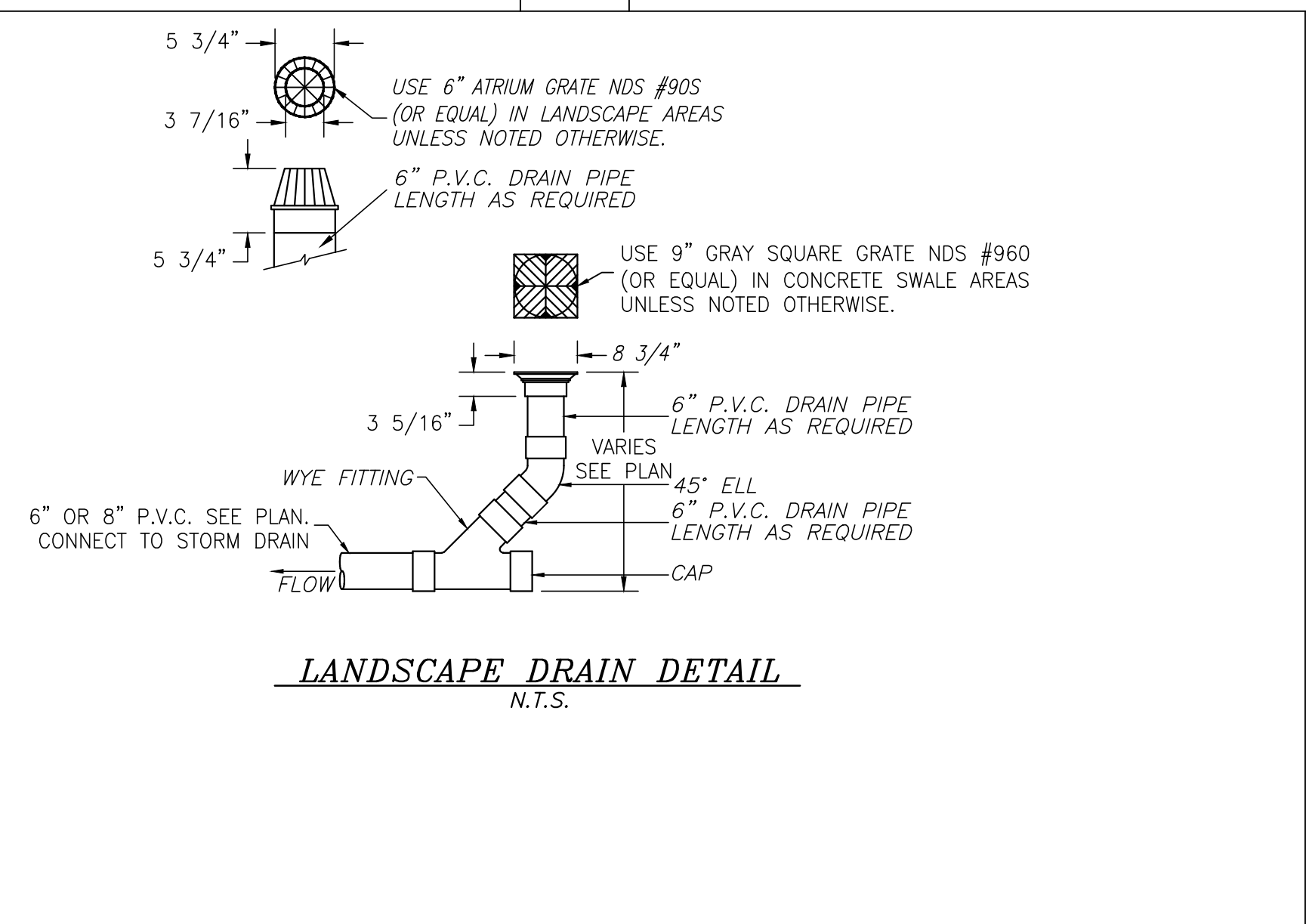
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE OBTAINING OF ALL NECESSARY PERMITS AND THE OBTAINING OF ALL NECESSARY INSURANCE COVERAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING AND PROPOSED STRUCTURES AND LANDSCAPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING AND PROPOSED STRUCTURES AND LANDSCAPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING AND PROPOSED STRUCTURES AND LANDSCAPE.



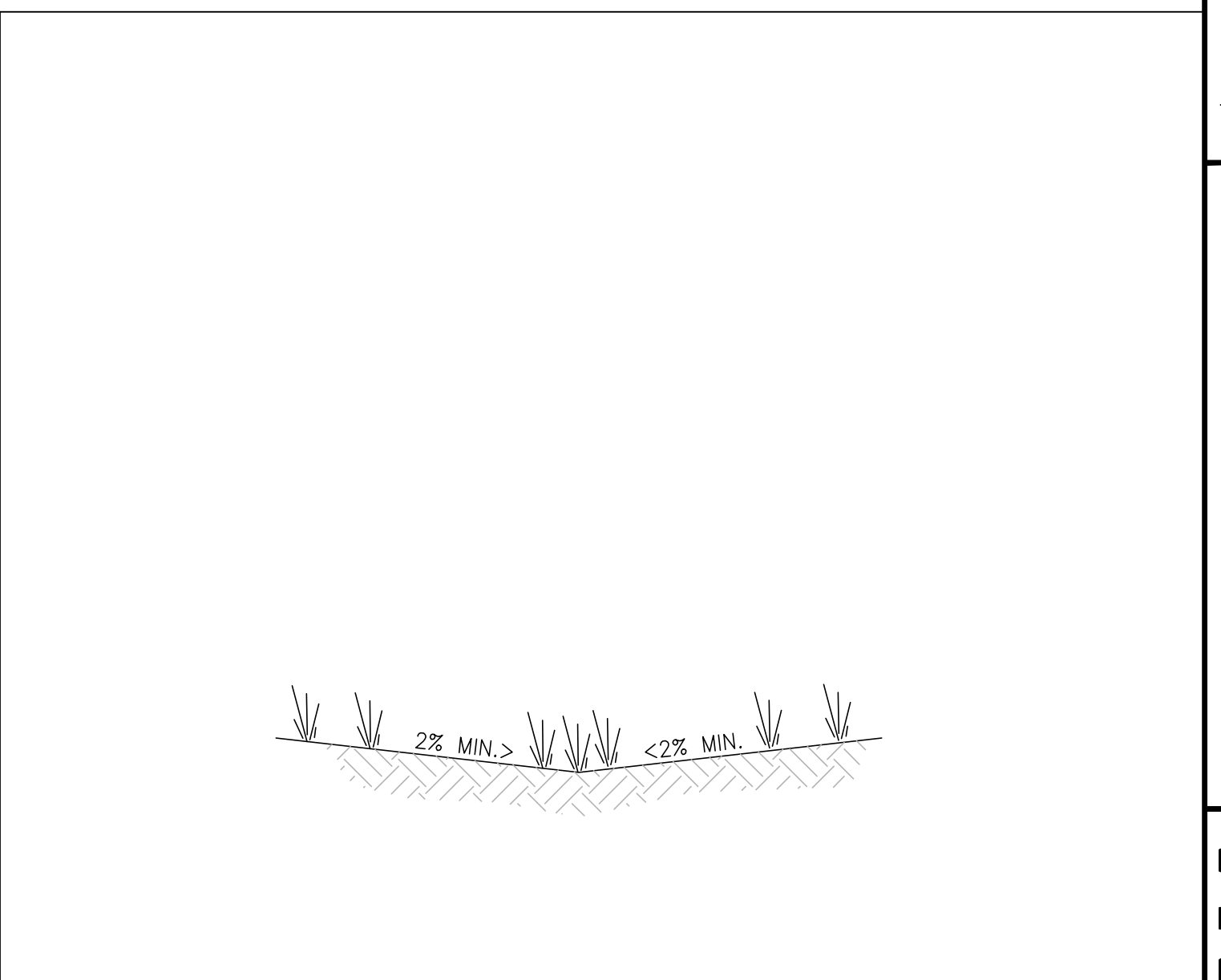
- NOTES:**
- REFER TO GEOTECHNICAL ENGINEER FOR ADDITIONAL RECOMMENDATIONS.
  - GEOTECHNICAL ENGINEER MUST FIELD VERIFY TO DESIGN DRIVEWAY STRUCTURAL SECTION TO BE CAPABLE OF SUPPORTING AN IMPOSED LOAD OF 75,000 LBS AND WILL BE MADE OF AN "ALL WEATHER MATERIAL".

A GRAVEL DRIVEWAY

B NOT USED



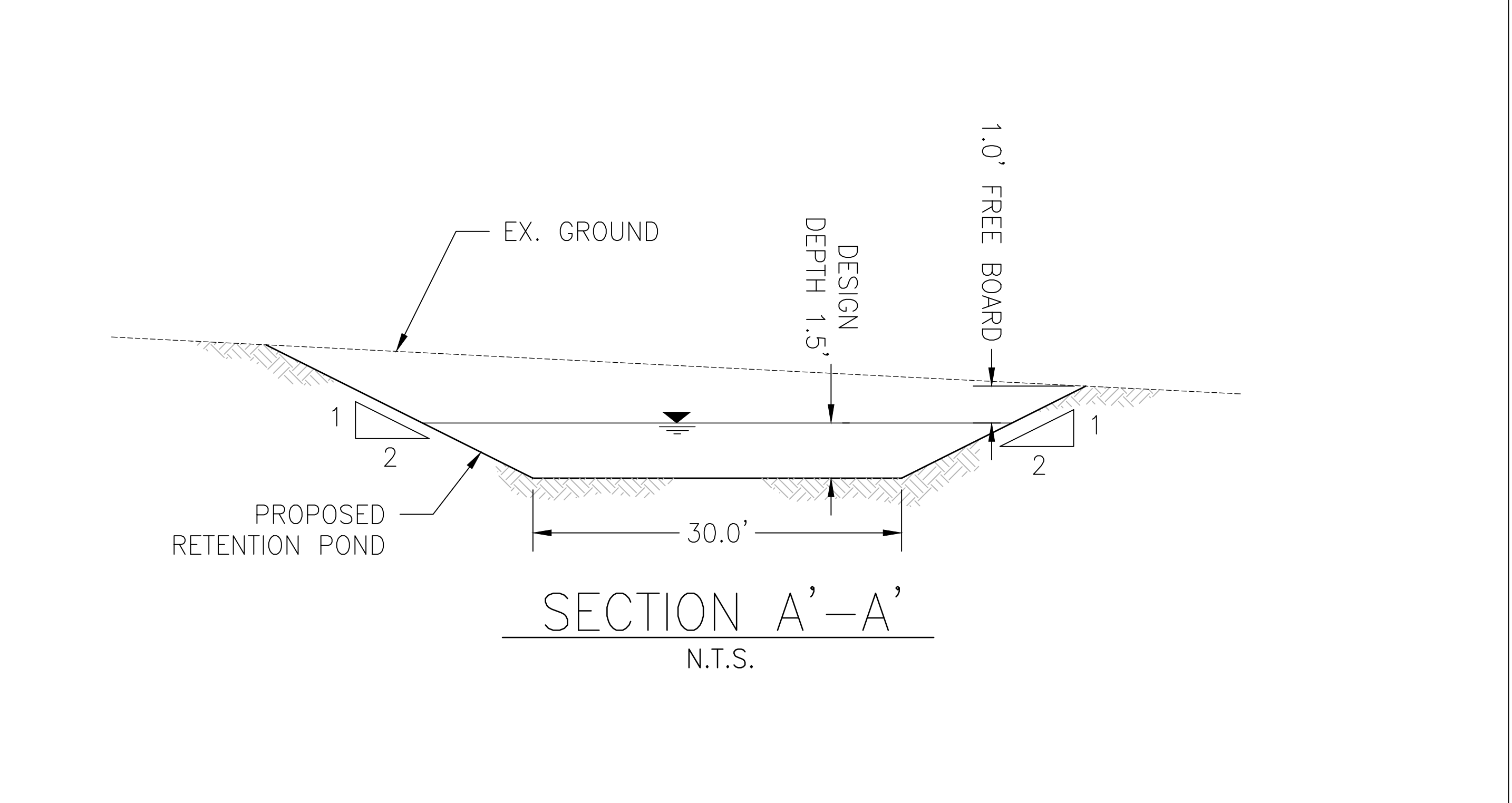
E LANDSCAPE DRAIN DETAIL



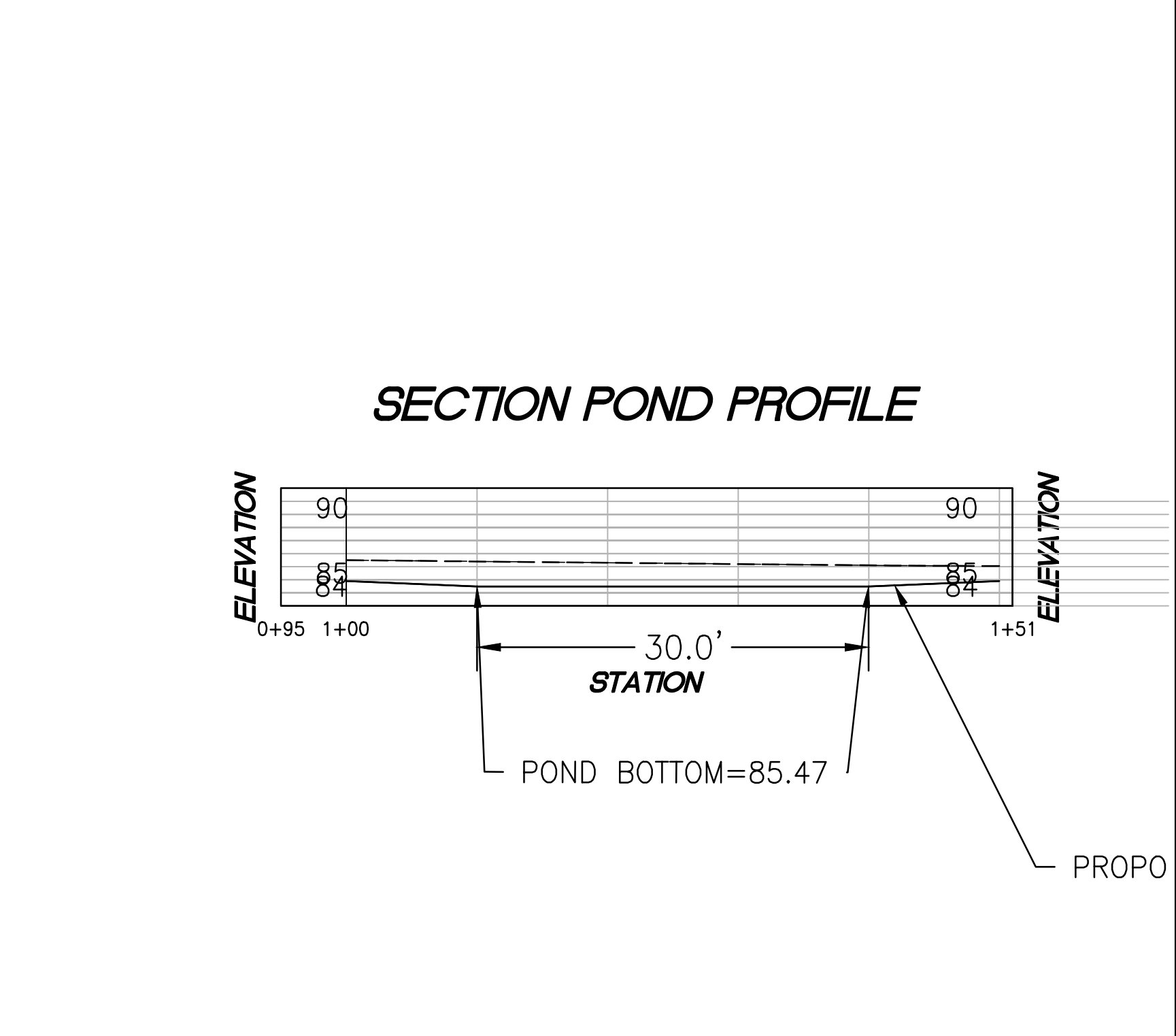
F EARTHEN SWALE DETAIL

C NOT USED

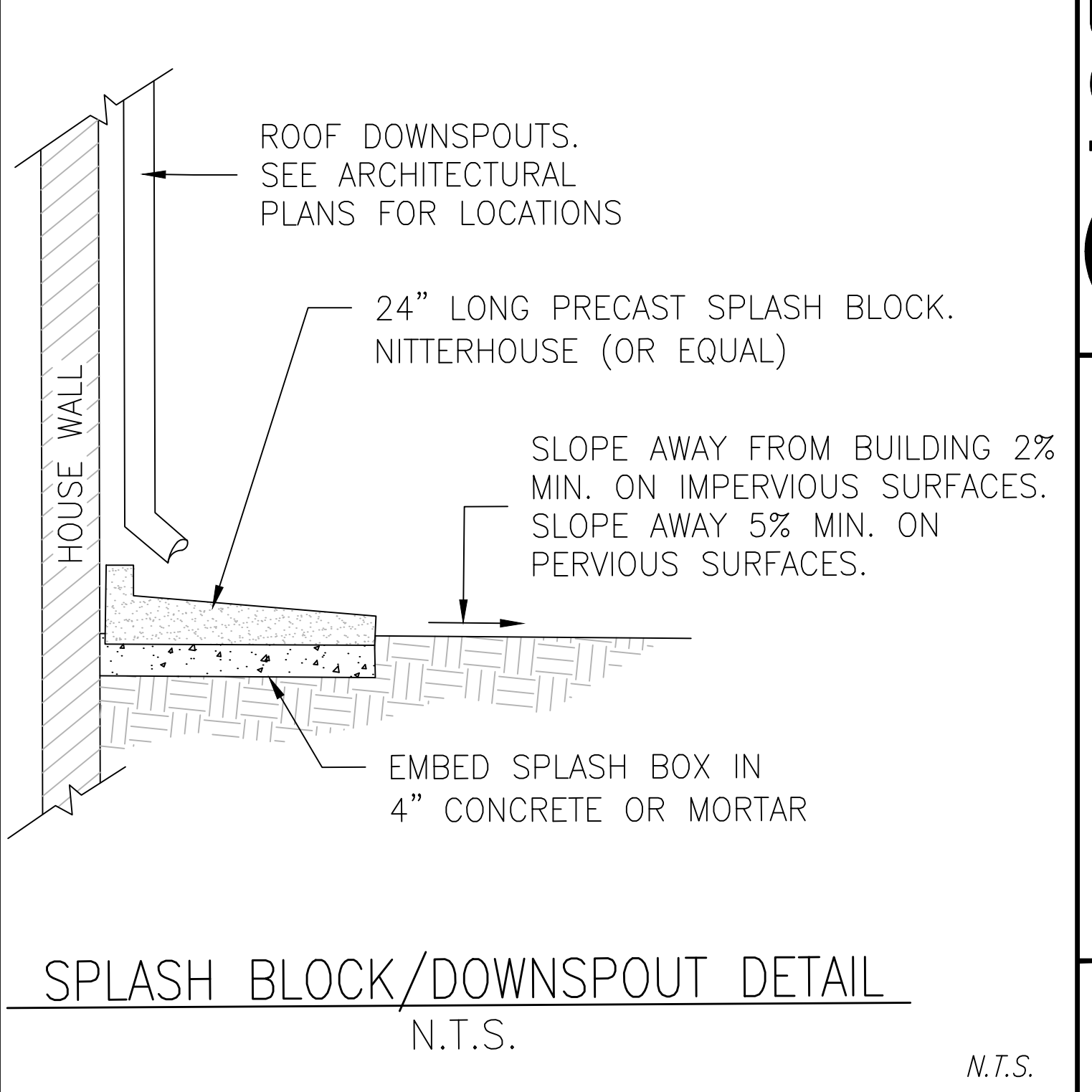
D NOT USED



G POND RETENTION DETAIL



H POND SECTION



I SPLASH BLOCK/DOWNSPOUT DETAIL



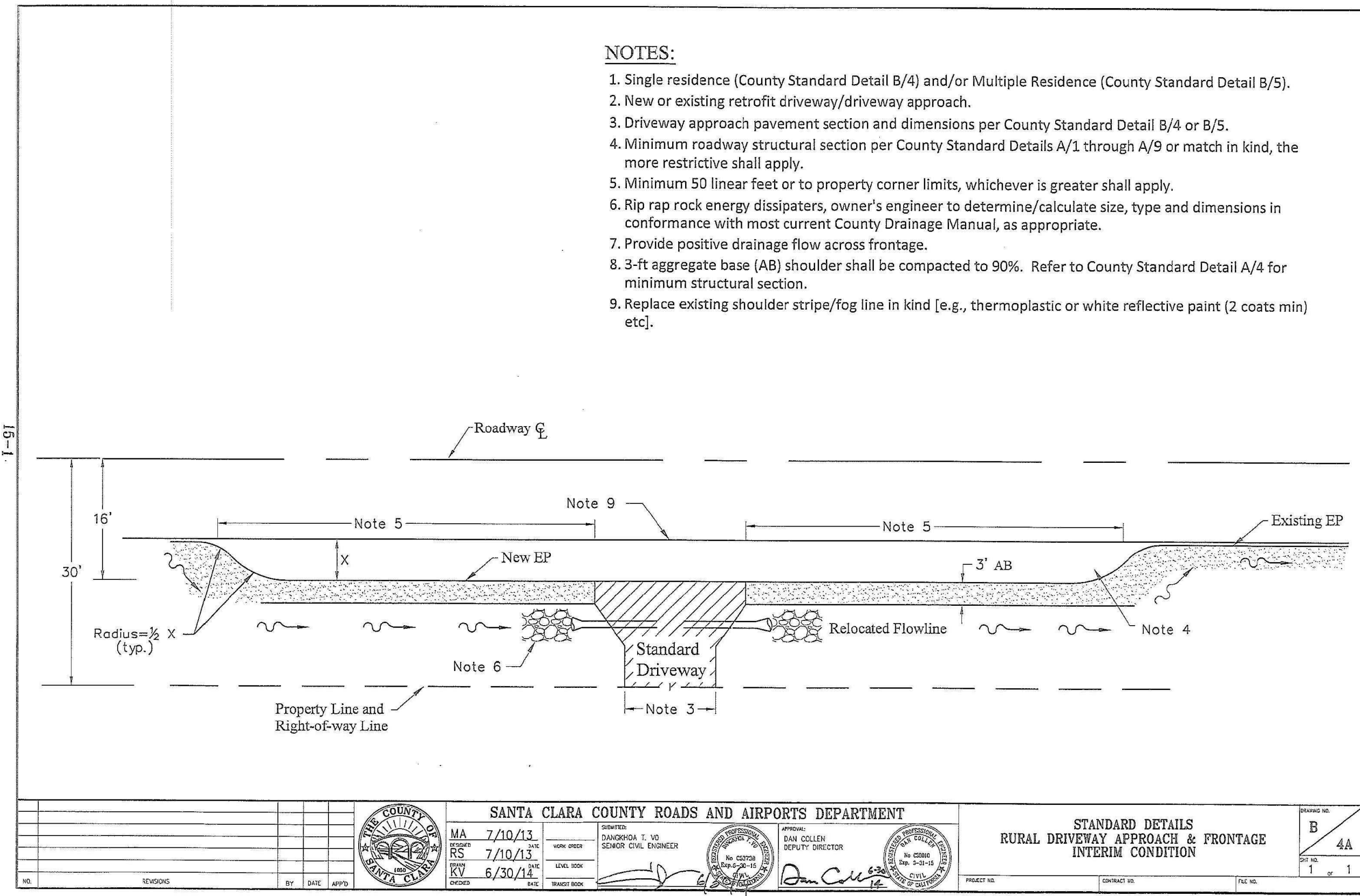
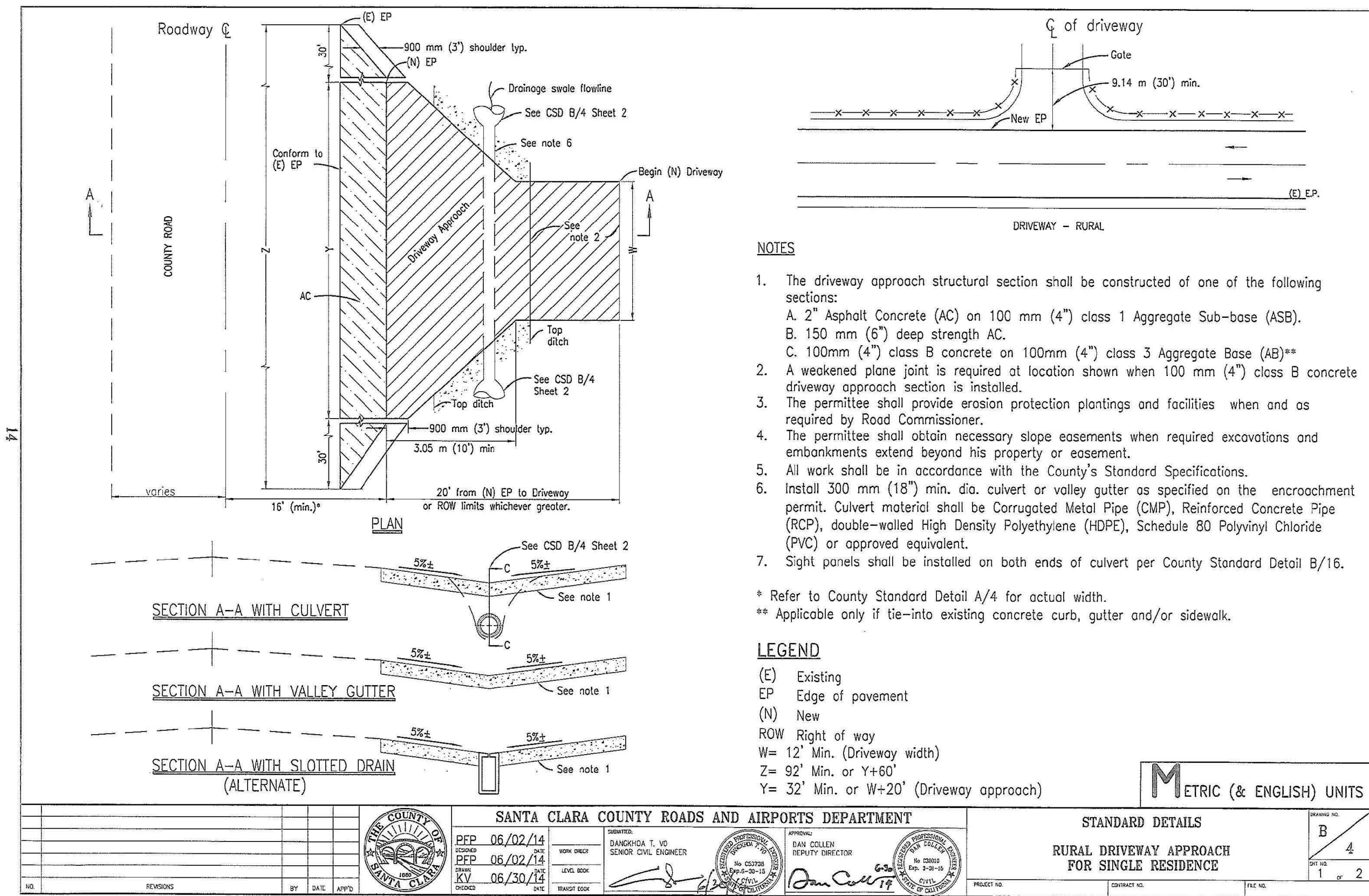
Porfirio Oscar Osuna  
RCE 70829 EXP. 6-30-25



**PUBLIC IMPROVEMENTS AND GRADING & DRAINAGE PLAN SECTIONS AND DETAILS**  
11655 FOOTHILL AVE  
CITY OF GALT  
Project No.: 1383 Design: J0/00 Check: O.C. Date: 7/29/24

SHEET C2 OF 11 SHEETS

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE PROVISION OF ALL NECESSARY SAFETY AND PROTECTIVE MEASURES TO NORMAL WORKING CONDITIONS AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES ON OR ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES ON OR ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES ON OR ADJACENT TO THE PROJECT.



REVISIONS	DATE	CITY	BY

**REGISTERED PROFESSIONAL ENGINEER**  
 PORFIRIO OSCAR OSUNA  
 No. 70829  
 Exp. 6-30-25  
 CIVIL  
 STATE OF CALIFORNIA

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A COUNTY OF SANTA CLARA STANDARD DETAIL B4

California MUTCD 2012 Edition  
 (FHWA's MUTCD 2009 Edition, as amended for use in California)

Page 1157

**Notes for Figure 6H-10 6H-10(CA) —Typical Application 10**  
**Lane Closure on a Two-Lane Road Using Flaggers**

**Option:**

- For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
- The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
- Flashing warning lights and/or flags may be used to call attention to the advance warning signs.

**Guidance:**

- A BE PREPARED TO STOP sign may be added to the sign series.
- The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.

**Standard:**

- At night, flagger stations shall be illuminated, except in emergencies.

**Guidance:**

- When used, the BE PREPARED TO STOP sign should be located between the flagger sign and the ONE LANE ROAD sign.
- When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.
- When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.
- When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.
- Early coordination with the railroad company or light rail transit agency should occur before work starts.

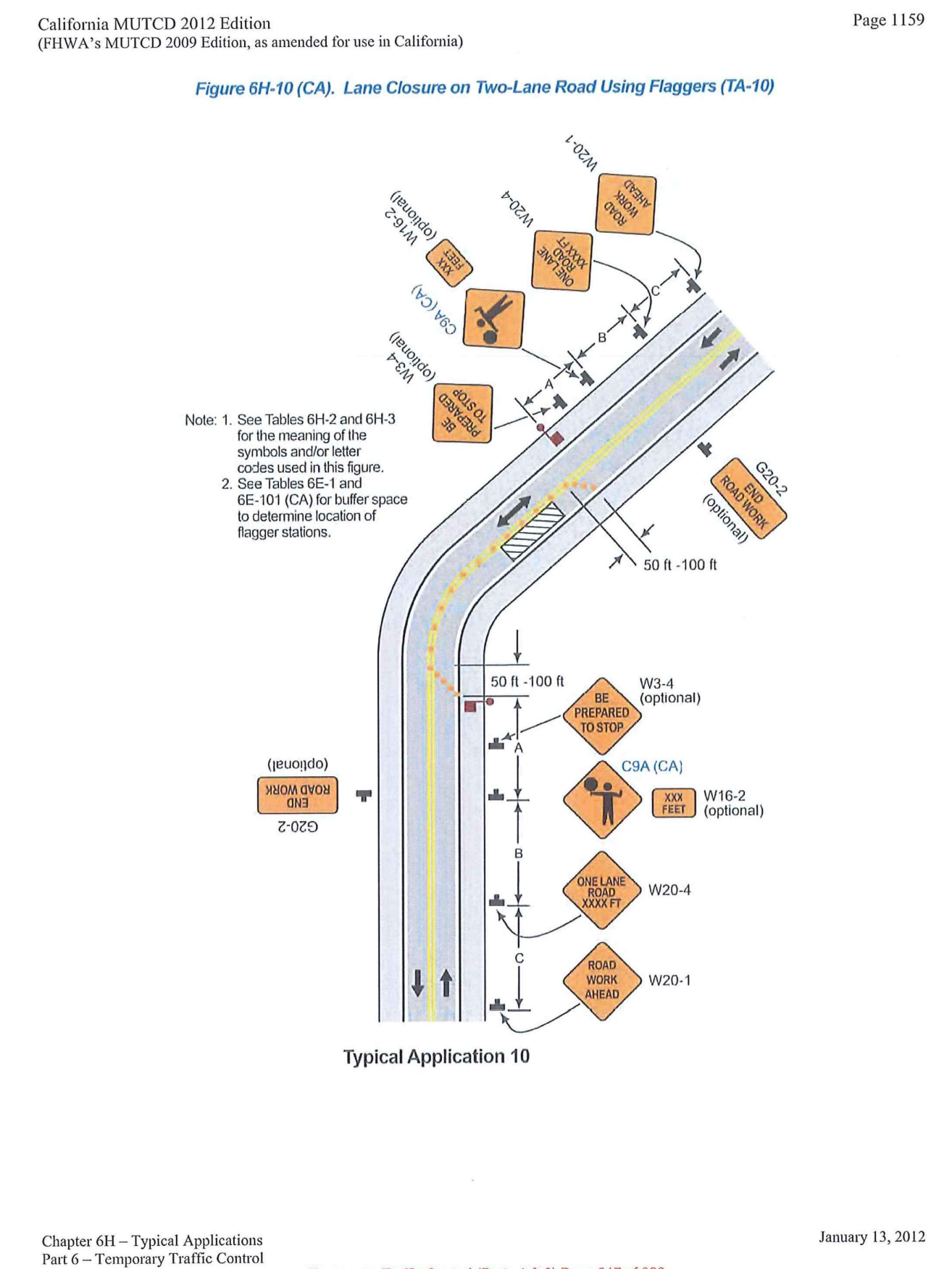
**Option:**

- A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

**Support:**

- For State highways, see Department of Transportation's Standard Plan T13. See Section 1A.11 for information regarding this publication.

Chapter 6H — Typical Applications  
 Part 6 — Temporary Traffic Control  
 Temporary Traffic Control (Parts 1 & 6) Page 215 of 320  
 January 13, 2012



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

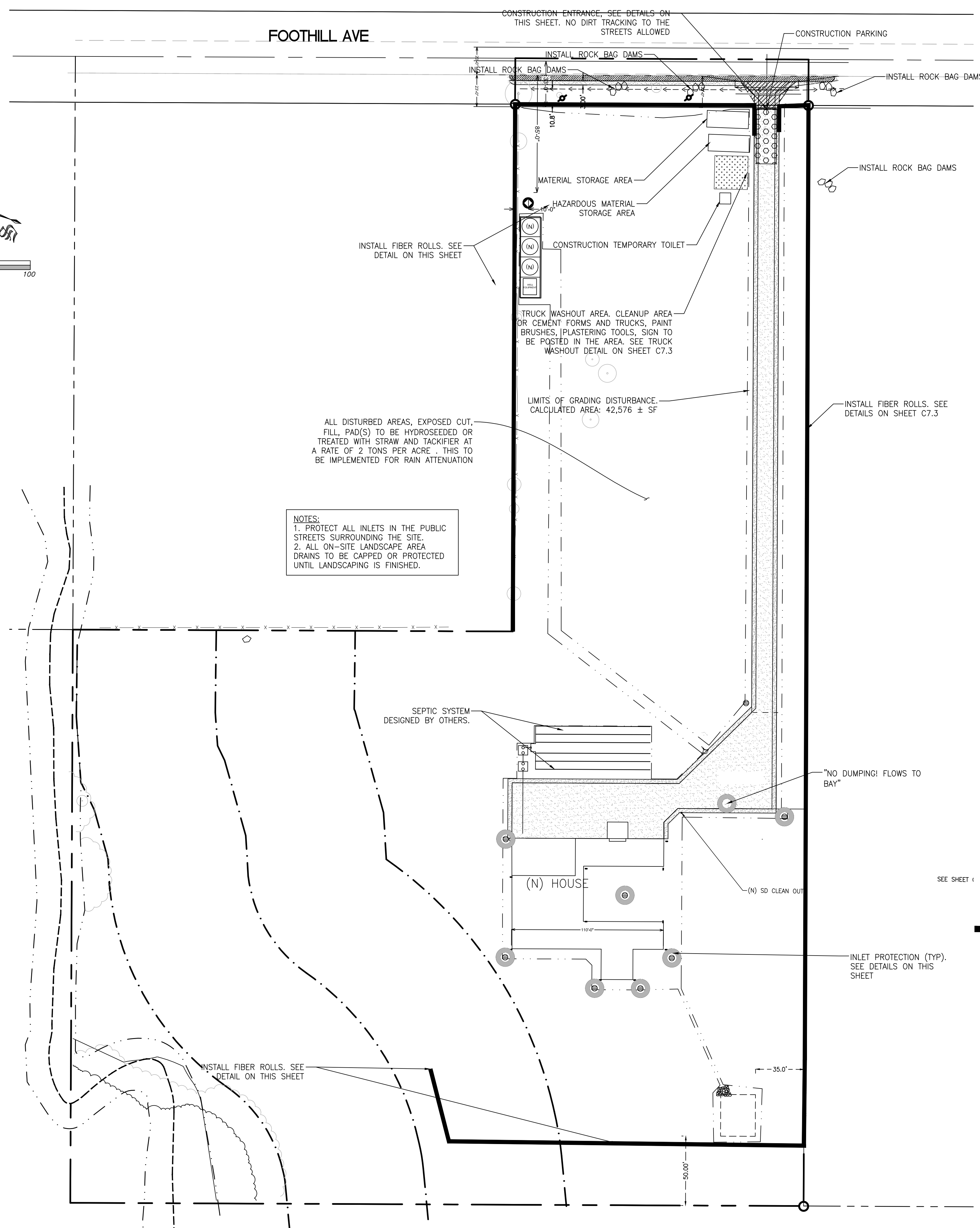
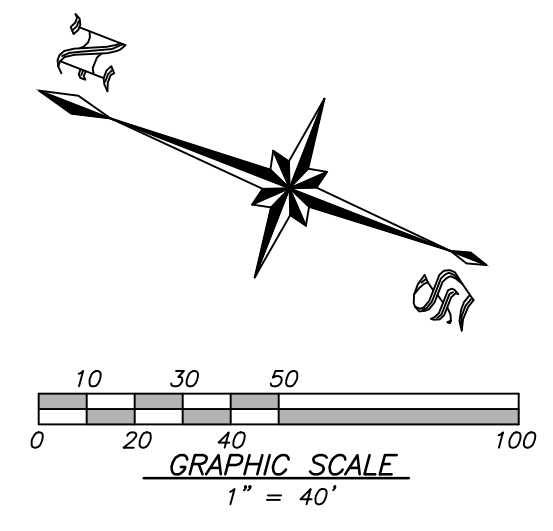
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**PUBLIC IMPROVEMENTS AND GRADING & DRAINAGE PLAN**  
**COUNTY STANDARD DETAILS**  
 11655 FOOTHILL AVE  
 CITY OF GALLERY  
 Project No.: 1383 | Design: L.O./O.C. | Check: O.C. | Date: 7/29/24

**SHEET C3**  
 OF 11 SHEETS



CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE PROTECTION OF ALL UTILITIES AND ADJACENT PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT PROPERTIES.



**NOTES:**  
 1. PROTECT ALL INLETS IN THE PUBLIC STREETS SURROUNDING THE SITE.  
 2. ALL ON-SITE LANDSCAPE AREA DRAINS TO BE CAPPED OR PROTECTED UNTIL LANDSCAPING IS FINISHED.

ALL DISTURBED AREAS, EXPOSED CUT, FILL, PAD(S) TO BE HYDROSEEDED OR TREATED WITH STRAW AND TACKIFIER AT A RATE OF 2 TONS PER ACRE. THIS TO BE IMPLEMENTED FOR RAIN ATTENUATION

LIMITS OF GRADING DISTURBANCE. CALCULATED AREA: 42,576 ± SF

**EROSION & SEDIMENT CONTROL NOTES**

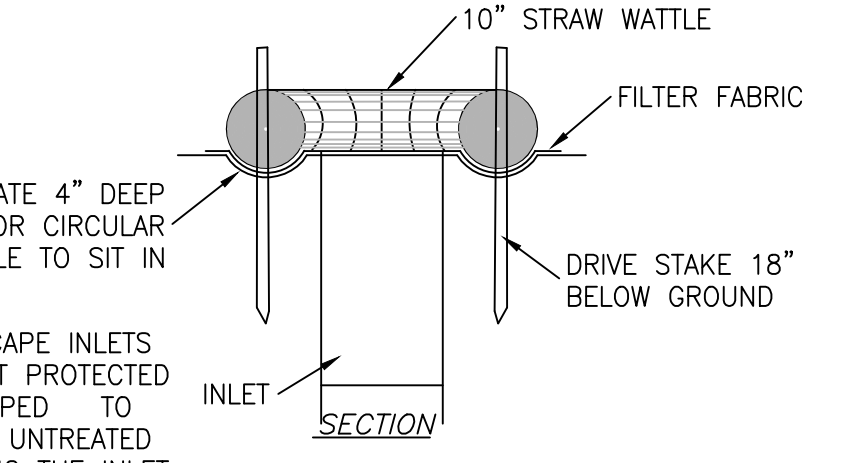
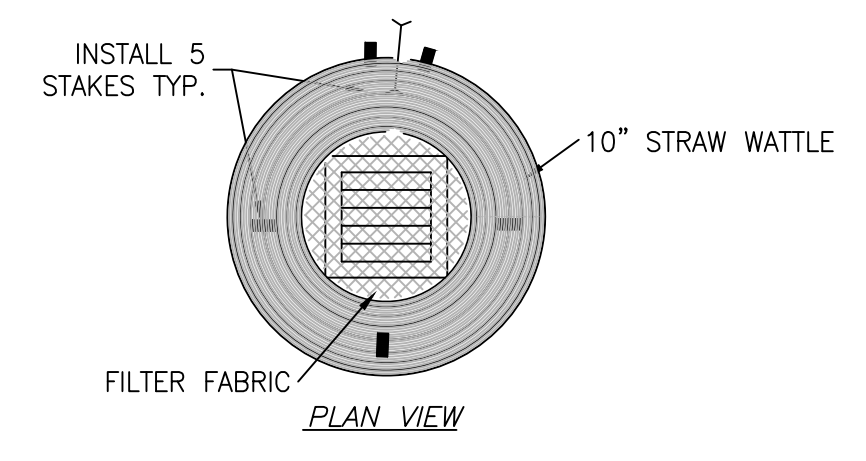
1. NOT USED
2. THE DEVELOPER IS RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS AND SUBCONTRACTORS ARE AWARE OF ALL STORM WATER QUALITY MEASURES AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BEST MANAGEMENT PRACTICES WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, AND/OR STOP ORDERS.
3. ANY VEHICLE OR EQUIPMENT WASHING/STEAM CLEANING MUST BE DONE AT AN APPROPRIATELY EQUIPPED FACILITY WHICH DRAINS TO THE SANITARY SEWER. OUTDOOR WASHING MUST BE MANAGED IN SUCH A WAY THAT THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, CLEANING AGENTS OR OTHER POLLUTANTS TO THE STORM DRAINS. WASH WATER SHALL DISCHARGE TO THE SANITARY SEWER, SUBJECT TO REVIEW AND APPROVAL OF UNION SANITARY DISTRICT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LITTER CONTROL AND SWEEPING OF ALL PAVED SURFACES DURING CONSTRUCTION.
5. 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.
6. 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.
7. IF RAINY WEATHER BECOMES IMMINENT, GRADING OPERATIONS SHALL BE STOPPED AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PROTECT DISTURBED AREAS.
8. 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.
9. CONSTRUCTION ENTRANCES SHALL CONSIST OF A MINIMUM 8" THICK LAYER OF 3"-4" FRACTURED STONE AGGREGATE UNLAD 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.
10. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL MEASURES ARE TO BE BLOCKED UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.
11. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE CITY ENGINEER.
12. 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).
13. ALL DISTURBED AREAS INCLUDING FLAT PADS ARE TO BE TREATED WITH STRAW AND TACKIFIER AT A RATE OF 2 TONS PER ACRE APPROXIMATELY 3 INCHES THICK.

**SUPPLEMENTAL EROSION & SEDIMENT CONTROL NOTES**

1. SEE STANDARD EROSION & SEDIMENT CONTROL NOTES ABOVE.
2. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 15. FACILITIES ARE TO BE OPERABLE PRIOR TO OCTOBER 1 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.
3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE WAYS.
4. 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 COUNTY.
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.
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. NOTIFY THE COUNTY REPRESENTATIVE OF ANY FIELD CHANGES.

**LEGEND**

PROPOSED	DESCRIPTION
---	SITE BOUNDARY
---○---	STABILIZED CONSTRUCTION ENTRANCE 4"-6" ROCK (MIN)
○	FIBER ROLL



NOTE: LANDSCAPE INLETS THAT ARE NOT PROTECTED MUST BE CAPPED TO PREVENT ANY UNTREATED FLOW ENTERING THE INLET

**ALTERNATE FIBER ROLL INLET PROTECTION MAY BE USED IN LANDSCAPE AREA DRAINS N.T.S.**

**MAINTENANCE NOTES**

- MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
1. REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
  2. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
  3. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
  4. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1 FOOT.
  5. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
  6. RILLS AND GULLIES MUST BE REPAIRED.

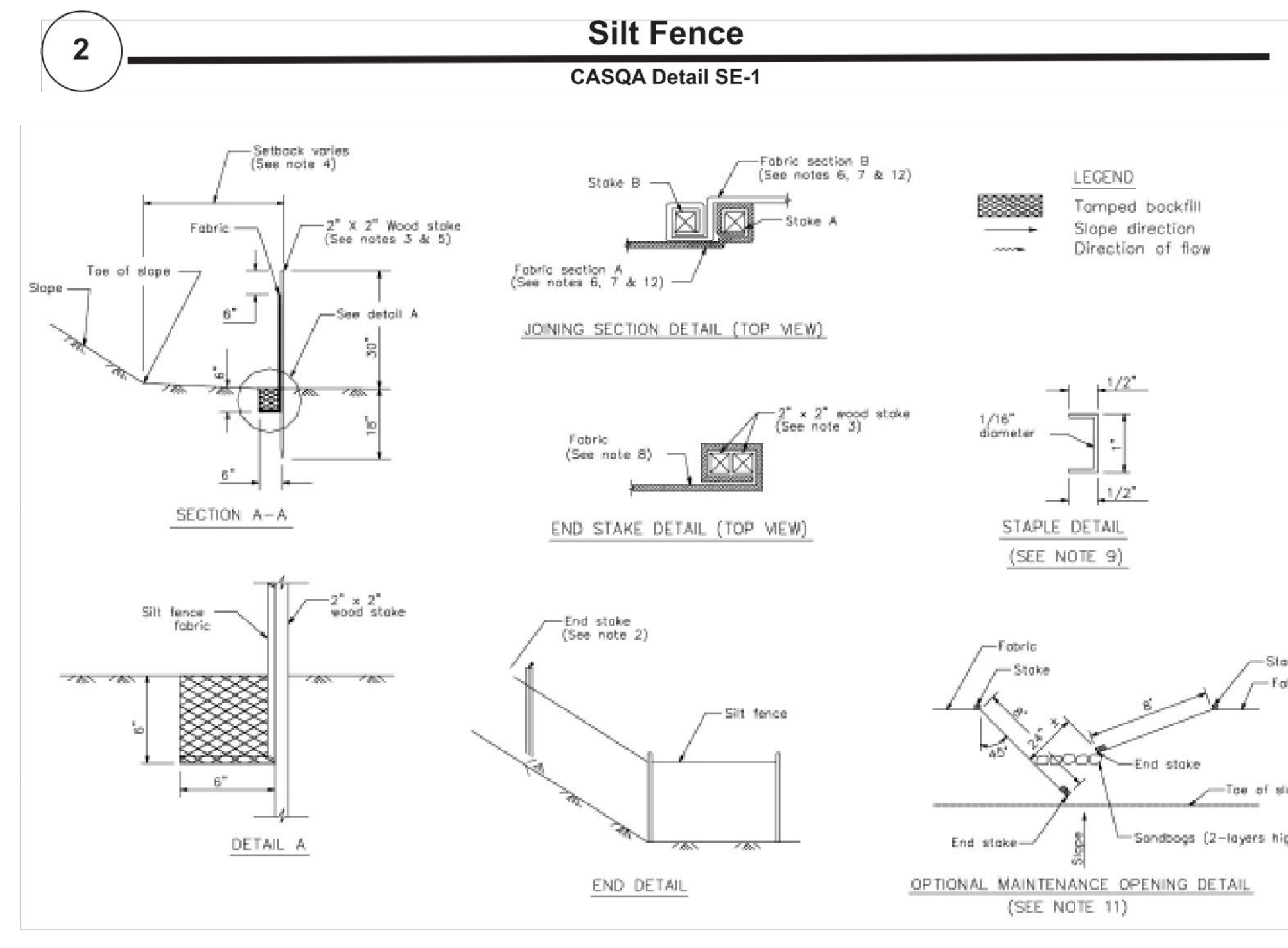
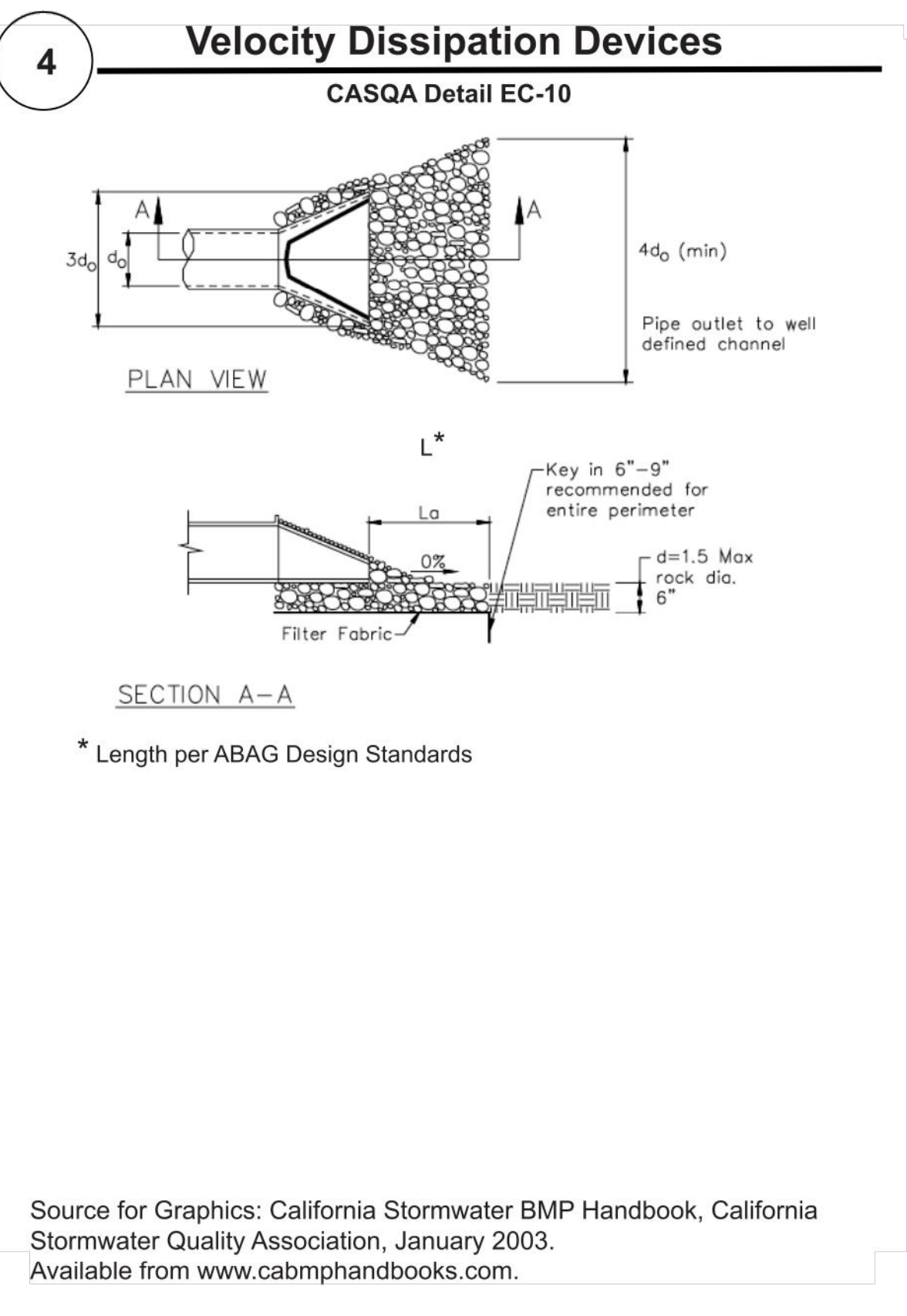
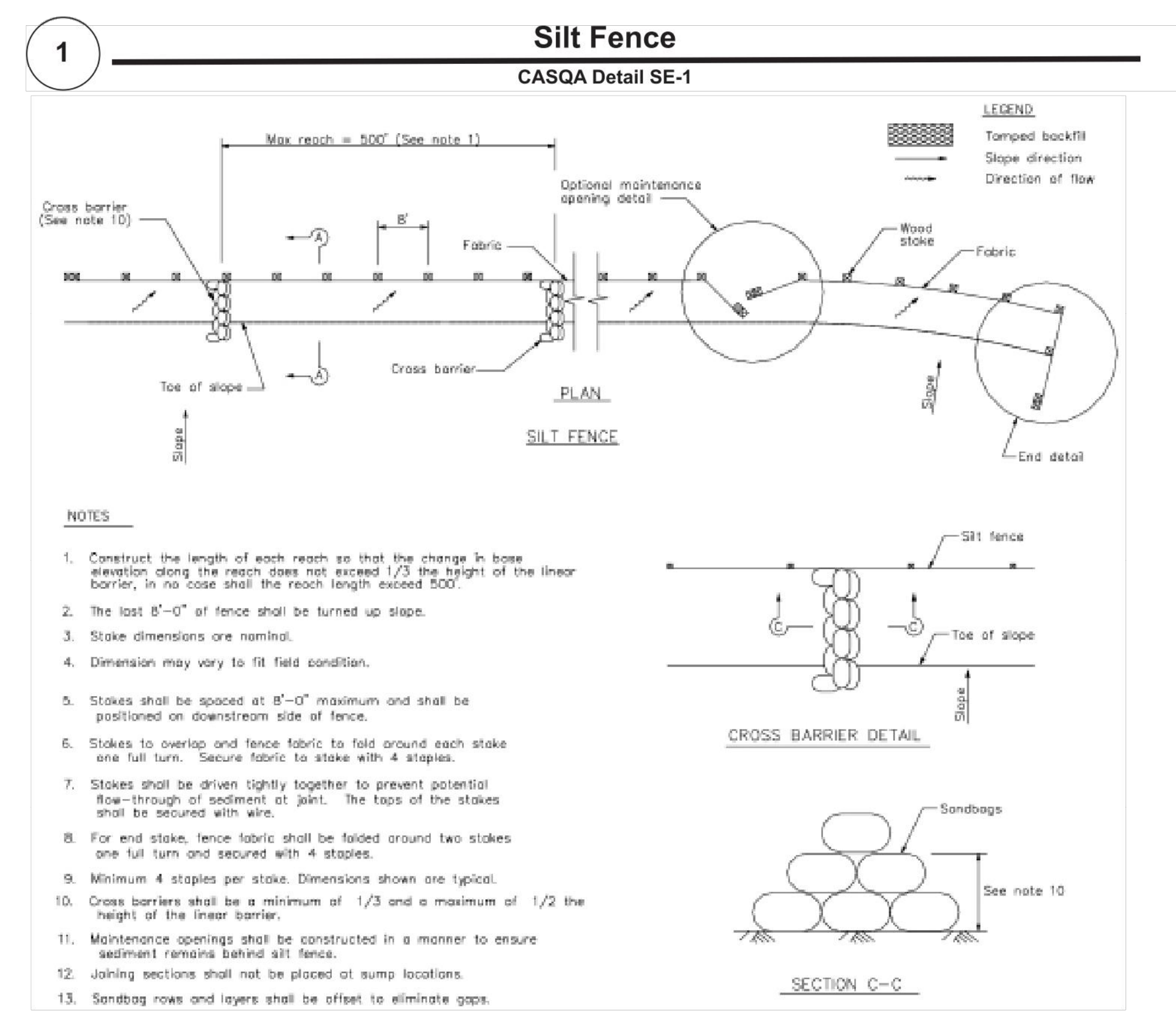
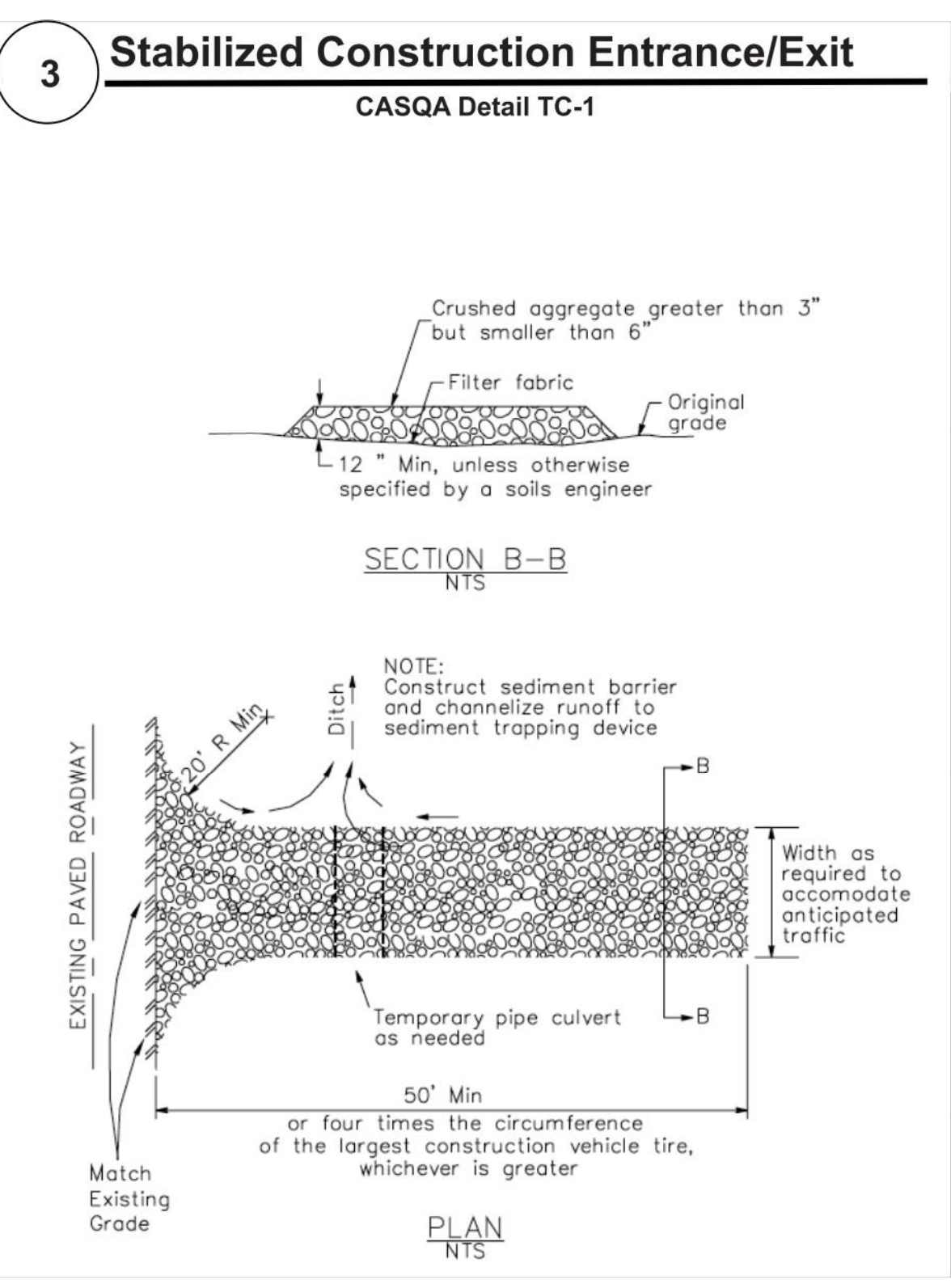
APPROVED FOR ISSUANCE  
 REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERING

PUBLIC IMPROVEMENTS AND GRADING & DRAINAGE PLAN  
 EROSION CONTROL PLAN  
 11655 FOOTHILL AVE  
 CITY OF GILROY, CALIFORNIA  
 Project No.: 1383 Design: J.O. Check: 0.0 Date: 7/29/24

SHEET C4 OF 11 SHEETS

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CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS AGREEMENT SHALL BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF GILROY, CALIFORNIA, AND THE COUNTY OF SANTA CLARA, CALIFORNIA, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF GILROY, CALIFORNIA, AND THE COUNTY OF SANTA CLARA, CALIFORNIA, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF GILROY, CALIFORNIA, AND THE COUNTY OF SANTA CLARA, CALIFORNIA.



- #### STANDARD BEST MANAGEMENT PRACTICE NOTES
- 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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
- 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 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

Project Information

REVISIONS	DATE	CITY	BY

REG. PROFESSIONAL ENGINEER  
No. 70829  
Exp. 6-30-25  
CIVIL  
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Porfirio Oscar Osuna  
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PUBLIC IMPROVEMENTS AND GRADING & DRAINAGE PLAN  
COUNTY BMP SHEET  
11655 FOOTHILL AVE  
CITY OF GILROY, CALIFORNIA  
Project No.: 1383 Design: J.O. Check: O.O. Date: 7/29/24

## Best Management Practices and Erosion Control Details Sheet 1

### County of Santa Clara



# BMP-1

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CONSTRUCTION PERMIT AND PLAN  
COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERING

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