



# CITY of CALABASAS

## PRECISE GRADING AND DRAINAGE PLAN

### 24101 DRY CANYON COLD CREEK ROAD

PROJECT SITE



N.T.S.

#### GENERAL NOTES

- The permittee or his agent shall notify the Public Works Department at least one working day in advance of required inspections at the following stages of work:
  - INITIAL:** When the site has been cleared or vegetation and unapproved fill and it has been sacrificed, benched or otherwise prepared for fill. No fill shall have been placed prior to this inspection.
  - ROUGH:** When approximate final elevations have been established; drainage terraces, swales and berms installed at the top of the slopes; and the statements required by the consultants have been submitted.
  - FINAL:** When grading has been completed; all drainage devices installed; slope established; irrigation systems installed; and the as-built plans, required statements and reports have been submitted.
- All storm drain work is to be done under continuous inspection by the field engineer. Weekly status reports shall be submitted by the field engineer to the Public Works Department.
- Final grading must be approved before occupancy of buildings will be allowed.
- Separate plans for temporary drainage and erosion control measures to be used during the rainy season must be submitted prior to October 1. The erosion control devices shown on said plan must be installed by no later than October 1, and maintained in operable condition until April 15 of the following year.
- A preventive program to protect the slopes from potential damage from burrowing rodents is required. Owner to inspect slopes periodically for evidence of burrowing rodents and at first evidence of their existence shall employ exterminator for their removal.
- Roof drainage must be diverted from graded slopes.
- Grading in future street right-of-way must be inspected by the City.

#### Required Submittal

- The location of all subdrain outlets shall be surveyed for line and elevation and shown on an as-built grading plan, which shall be submitted to the City.
- The grading contractor shall submit the statement required at the completion of rough grading.
- Grading operations must be conducted under periodic geologic inspection with monthly inspection reports to be submitted to the Public Works Department.

#### Construction Notes

- The field engineer must set drainage stakes for all drainage devices.
- All grading sites must have drainage swales, berms, and other drainage devices approved at the rough grading stage.
- Fills shall be compacted throughout their full extent to a minimum of 90 percent of maximum dry density per Section 15.11.020(C)(7) as determined by A.S.T.M. Soil Compaction Test D1557, where applicable; where not applicable, a test acceptable to the City Engineer shall be used. Field Density shall be determined by a method acceptable to the City Engineer.
- Sufficient tests of the fill soils shall be made to determine the density thereof. The minimum number of tests shall be as follows:
  - One test for each two-foot vertical lift.
  - One test for each 1,000 cubic yards of material placed.
  - One test at the location of the final fill slope for each building site (lot) in each four-foot vertical lift or portion thereof.
  - One test in the vicinity of each building pad for each four-foot vertical lift or portion thereof.

Sufficient tests of fill soils shall be made to verify compliance of the soil properties with the testing requirements including soil types and shear strengths. The results of such testing shall be included in the reports required by Section 15.10.090.

- No fill shall be placed until stripping of vegetation, removal of unsuitable soils, and installation of sub-drains (if any) have been inspected and approved by the geotechnical engineer per 15.11.020(C)(2).
- Continuous inspection by the geotechnical engineer or responsible representative shall be provided during all sub-drain installations. A detailed map and survey will be supplied to the City for location of all sub-drains per Section 15.11.020(C)(2).
- Fill slopes in excess of 2:1 steepness ratio is not permitted without prior variance approval and / or approval from the City Engineer. If slopes steeper than 2:1 are approved, they are to be constructed by the placement of soil at sufficient distance beyond the proposed finish slope to allow compaction equipment to be operated at the outer limits of the final slope surface. The excess fill is to be removed prior to completion of rough grading. (Other construction procedures may be used when it is demonstrated to the satisfaction of the City Engineer that the angle for slope, construction method and other factors will have equivalent effect.)
- Continuous inspection by the geotechnical engineer or responsible representative shall be provided during the preparation of the natural ground and the placement and compaction of the fill. The fill shall be placed to the satisfaction of the geotechnical engineer or responsible representative. The geotechnical engineer or responsible representative shall verify that the placement of said fill is being performed in accordance with the plan(s) and applicable code requirements per Section 15.11.020.
- Note location of any uncompacted / unsuitable fills on plan. Fills are uncompacted and unsuitable for the support of structure. (This note also appears prominently on the plan near the uncompacted fill area.)
- All grading and foundation excavations must be observed and approved by the Project Geotechnical prior to placement of fill and reinforcing steel.

#### STANDARD GRADING NOTES

##### Preconstruction Meeting

Prior to the start of work, the contractor shall conduct a preconstruction meeting with the City. The contractor shall be responsible for setting the meeting time, date and location and notifying City staff at least one week in advance of the meeting. Please contact the City of Calabasas Public Works Department at (818) 224-1600.

##### Stormwater/NPDES Notes

1. During the term of this permit, the Contractor, their employees, and subcontractors shall implement appropriate best management practices (BMPs) to prevent pollution to local waterways. Sediments, construction debris, paint, trash, concrete truck wash water and other chemical waste from construction sites left on the ground and streets unprotected, or washed in storm drains, causes pollution in local waterways via the storm drain system, and is against City ordinance and State law. The BMPs implemented shall be consistent with Calabasas Municipal Code 8.28, the approved stormwater pollution prevention plan/urban runoff mitigation plan, and the erosion control plan for the project, which shall be on site at all times. Failure to implement appropriate BMPs shall result in project delays through City-issued stop work notices and/or fines levied against the contractor. For information, please contact the City's Environmental Services Manager at (818) 224-1600.

2. Storm damage prevention measures or prevention devices required by the City shall be installed by October 1 or as grading progresses and maintained until April 15 of the succeeding year or unless early removal is agreed to by the Environmental Services Manager.

##### Required Permits

- A copy of the grading permit and the approved grading plans must be in the possession of a responsible person and available at the site at all times. Any modifications of or changes in approved grading plans must be approved by the City prior to the start of work.
- A permit to operate in Fire Zone 4 must be obtained from the Fire Department prior to commencing work. Call (818) 880-0341 for information.
- A State Notice of Intent (NOI), corresponding WDD number, and Stormwater Pollution Prevention Plan (SWPPP) shall be in the possession of a responsible person and available at the site at all times during construction operations for sites one acre or greater.
- Secure permission from the Army Corps of Engineers to perform work in the stream or river. Attach Form 404 from the Corps of Engineers.
- Obtain a California State Fish and Game Permit to perform work in the stream or river. Attach a copy of the Fish and Game Permit (Form 1603).
- The retaining wall details shown on the plans shall be constructed by separate building permit.
- All construction and grading within any storm drain easements shall be done per storm drain plan under separate permit from the City and Los Angeles County.
- Prior to any work being performed within the city right-of-way, the applicant shall obtain an Encroachment Permit from the Public Works Department.

#### CAUTION: UNDERGROUND STRUCTURES

All underground utilities or structures reported by the owner or those shown on records examined are indicated with their approximate location and extent. The developer, by accepting these plans or proceeding with improvements pursuant thereto, understands that they agree to assume liability, and agree to hold the undersigned harmless for any liability for damage resulting from the existence of underground utilities or structures not reported to the undersigned, not indicated on the public records examined, located at variance with that reported or shown on records examined. The contractor is required to take due precautionary measures to protect the utilities or structures found at the site. It shall be the contractor's responsibility to notify the owners of the utilities or structures concerned before starting to work.

#### EARTHWORK QUANTITIES

CUT= 4,995 CU. YDS.  
 FILL= 1,878 CU. YDS.  
 EXPORT= 3,117 CU. YDS.  
 IMPORT= \_\_\_\_\_ CU. YDS.

#### DESIGNATED SITE FOR IMPORT/EXPORT:

#### ENGINEERING CONSTRUCTION NOTES

- All Grading shall conform to the City of Calabasas Grading Ordinance and the latest editions of the Standard Specifications for Public Works Construction (SSPC).
- At least two (2) working days prior to commencing construction, the contractor shall contact the Regional Notification Center (Underground Service Alert of Southern California U.S.A. at (1-800-422-4133) to obtain an inquiry identification number and to request the utility owners to mark or otherwise indicate the location of their subsurface facilities. The contractor shall determine the location and depth of all utilities, including all service connections, which have been marked by the respective owners and which may affect or be affected by its operations. The contractor shall take all necessary measures to protect all utilities and all structures found at the site.
- Throughout all phases of construction, including suspension of work, until final acceptance of the project, the contractor shall keep the work site clean and free from rubbish on an debris. The contractor shall also abate dust nuisance by cleaning, sweeping and sprinkling with water and using dust fences or other methods as directed by the City throughout the construction operation.
- All damage caused to public streets, including haul routes, alleys, sidewalks, curbs or street furnishings, or to private property shall be repaired at the sole expense of the contractor to the engineer's satisfaction.
- The contractor is required to protect all existing survey monumentation during grading and all subsequent construction. Contractor shall give the engineer adequate notice, before disturbing said monuments, so the engineer can replace or relocate any existing survey monumentation.
- The Soil Engineers' recommendations (and Engineering Geologists' recommendations, where employed) contained in the reports referenced hereon as approved or conditioned by the City shall be a part of this grading plan.
- Maximum slopes for both cut and fill shall be 2:1.
- Fine grading to be no less than the following:

	Longitudinal-Slope	Cross-Slope
Pervious surfaces	1.00%	2.0% unless otherwise indicated
Asphalt surfaces	1.00%	2.0%
Concrete surfaces	0.50%	1.0%

- The contractor shall expose and check actual conditions of existing joint points, hookups, crossings, Etc. For all utilities, streets, Etc. prior to the installation of any portion of the utility, street, in question. If the existing condition varies from the record data shown or conflicts with the utilities proposed on the plan, it shall be brought to the attention of the Engineer immediately.
- These plans and specifications indicate the improvements in a final, complete and approved condition. These plans do not indicate the detailed construction process required by the contractor to produce the finish product.
- The earthwork quantities shown on the cover sheet are for public work requirements only and shall not be used by the contractor for bidding purposes. No shrinkage or subsidence has been considered in the quantities.
- Layout of building dimensions shall be from Architects plans.
- All clearing, grading, earth moving, or excavation activities shall cease during periods of high winds (i.e., greater than 15 miles per hour averaged over one hour) to prevent excessive amounts of fugitive dust. (PL/B)
- All trucks that will haul excavated or graded material off-site shall comply with State Vehicle Code Section 23114, with special attention to Sections 23114(b)(f), (e)(2) and (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads. (PL/B)
- Developer shall ensure that construction equipment is fitted with modern sound reduction equipment.
- Contractor shall obtain an encroachment permit for any work in the City right-of-way. This includes drainage swale, grading, driveway approach, and any other work proposed in right-of-way.

#### BENCH MARK & VERTICAL DATUM

FND. RDBM TAG IN SE COR ROCK A CONC HDWL EQUESTRIAN TUNNEL 4.6M N/O C/L DRY CYN COLD DRECK RD & 161M W/O C/L MULLHOLLAND HWY

BENCHMARK: LA COUNTY # 5341  
 ELEVATION: 1461.083 FEET  
 DATUM: NAVD 1988

#### NOTICE OF INTENT

THE LAND OWNERS MUST FILE A NOTICE OF INTENT (N.O.I.) WITH THE STATE WATER RESOURCES CONTROL BOARD WHEN THE GRADING CONSTRUCTION ACTIVITY RESULTS IN LAND DISTURBANCE OF ONE ACRES OR MORE.

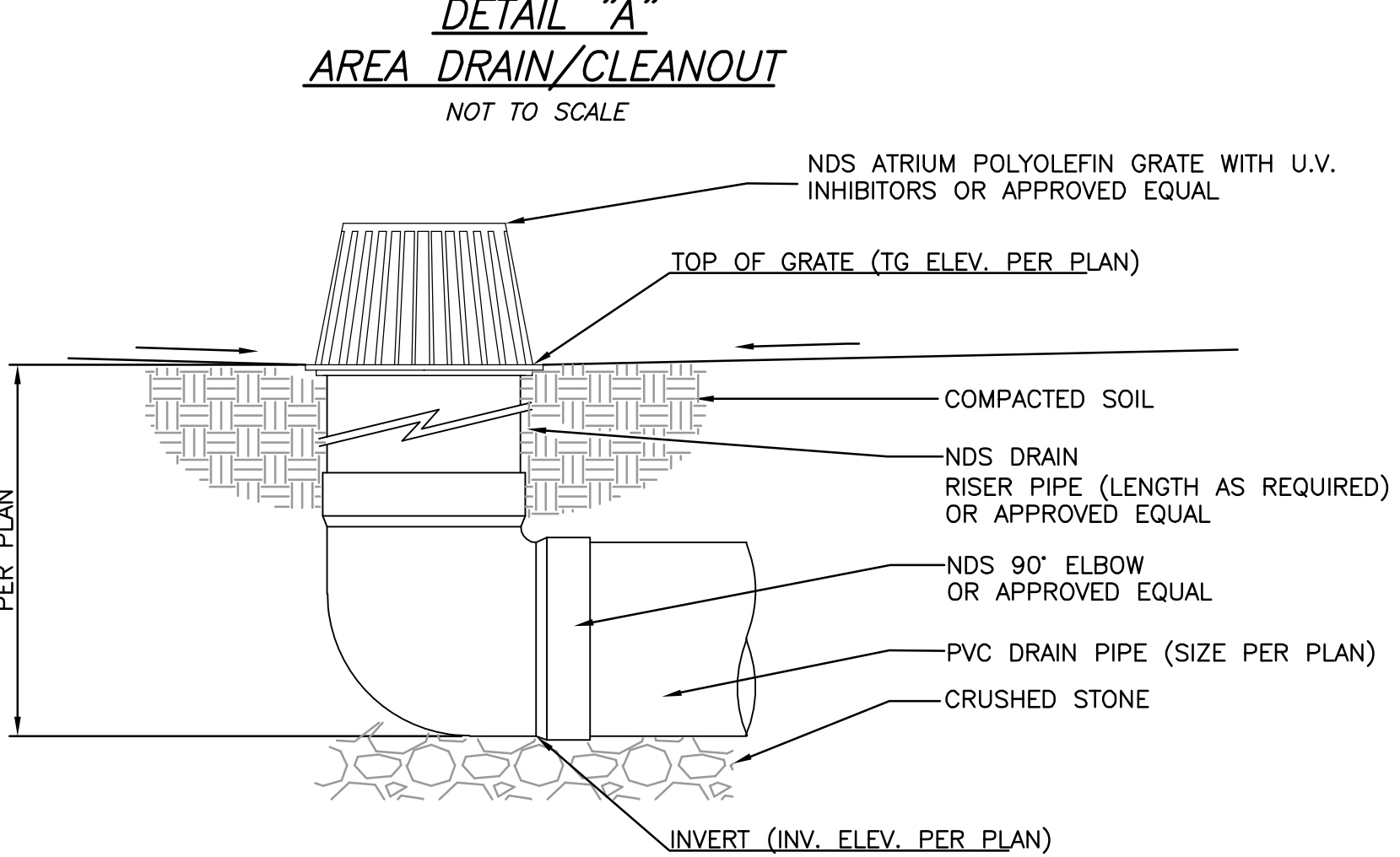
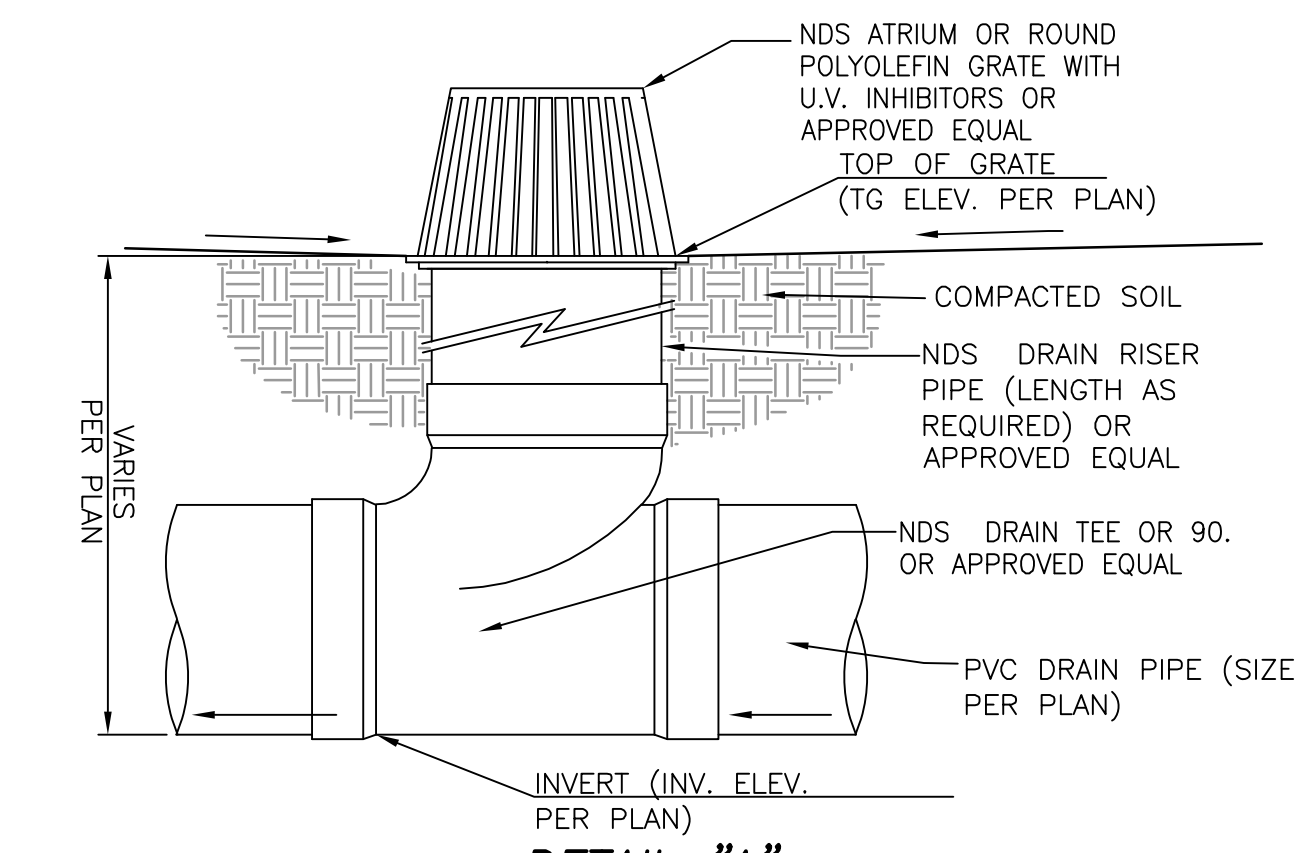
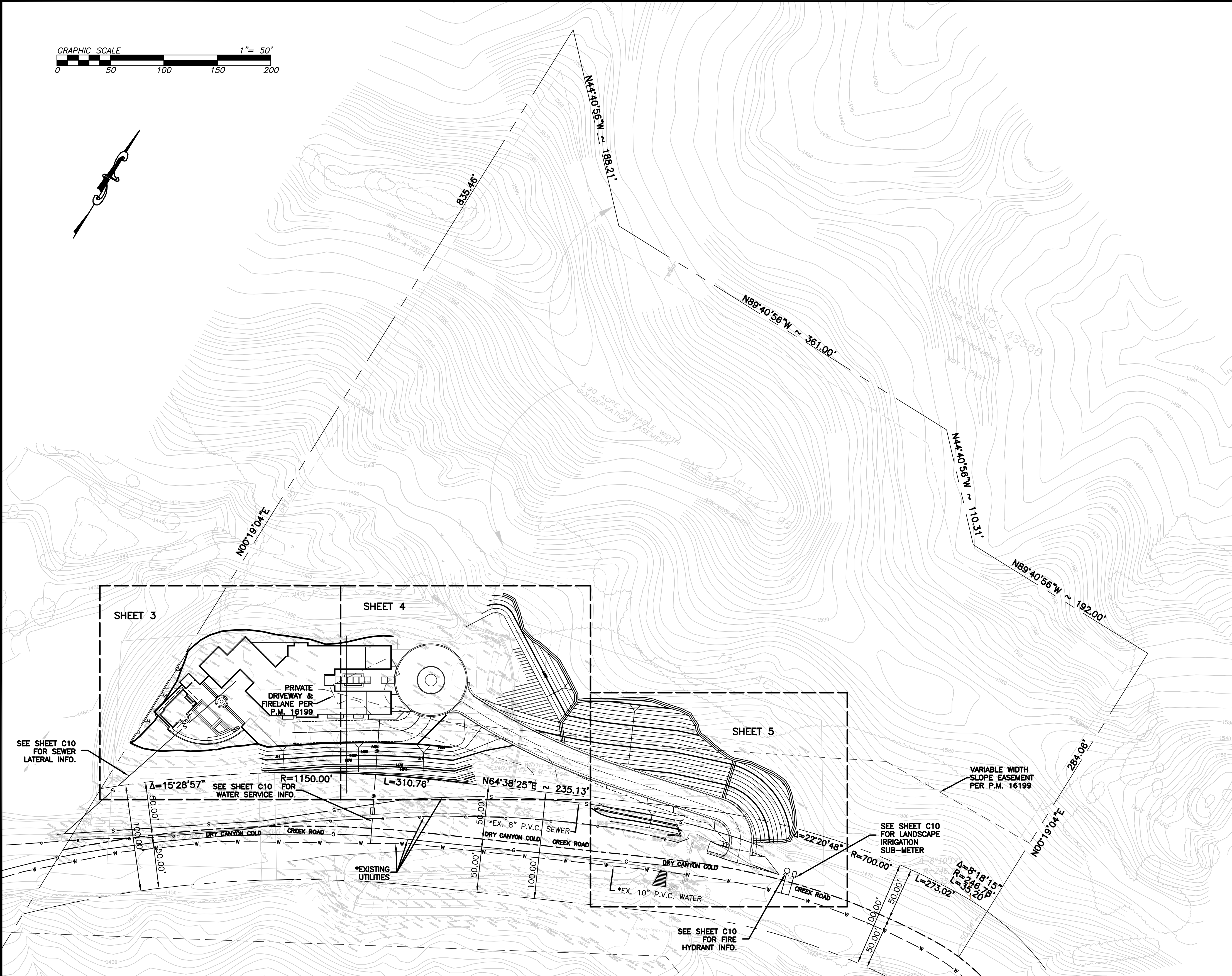
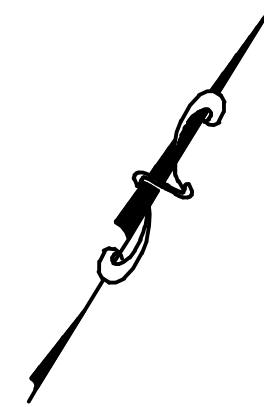
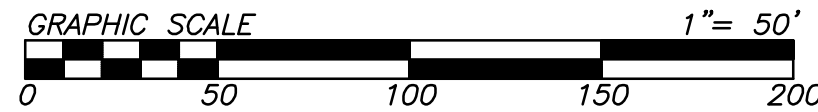
WDD NO. 4 19C387408

<h4 style="text-align: center;">APPROVAL BY CONSULTANTS</h4> <p>THIS PLAN IS ACCEPTABLE IN REGARD TO SOILS (AND GEOLOGIC... IF APPLICABLE) CONDITIONS AND CONFORMS TO THE RECOMMENDATIONS OF SUPPORTIVE REPORTS.</p> <p>SOILS ENGINEERING REPORT(S) No. <u>5515</u> <u>05/11/2018</u>        DATED <u>10/22/2019</u>  <u>5515</u> <u>01/06/2020</u>        DATED <u>01/17/2020</u></p> <p>ENGINEERING GEOLOGIC REPORT No. <u>5515</u> <u>01/06/2020</u>        DATED _____</p> <p>BY: <u>SCOTT J. WALTER</u> <u>2476</u>        SOILS ENGINEER R.C.E.</p> <p>COMPANY: <u>GEOCONCEPTS, INC</u> DATE: _____</p> <p>BY: <u>MARK A. BARRETT</u> <u>2088</u>        ENGINEERING GEOLOGIST CERT. No. _____</p> <p>COMPANY: <u>GEOCONCEPTS, INC</u> DATE: _____</p>	<h4 style="text-align: center;">REVISIONS</h4> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>REVISED BY:</th> <th>APPROVED BY:</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>POOL/POOL AREA &amp; (1) KEYSTONE WALL REMOVED</td> <td>G.A.</td> <td></td> <td>06.24.21</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <h4 style="text-align: center;">AS-BUILT DRAWING</h4> <p>I HEREBY CERTIFY THAT THE WORK SHOWN HEREON, MARKED AS "AS-BUILT", HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.</p> <p>PROJECT ENGINEER'S SIGNATURE _____ DATE _____</p> <p>PROJECT ENGINEER'S NAME _____ CITY LAND DEVELOPMENT REP. _____</p>	No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE	1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21																																														<p>REVIEWED BY: <u>WILLDAN ENGINEERING</u>        IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.</p> <p>SIGNATURE _____ DATE _____</p> <p>APPROVED FOR CONSTRUCTION: _____ DATE _____</p> <p>COMMUNITY DEVELOPMENT DIRECTOR _____ DATE _____</p> <p>APPROVED FOR CONSTRUCTION: _____ DATE _____</p> <p>ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE _____</p> <p>PREPARED BY: <u>MIKE WHITE</u></p> <p style="text-align: center;"><b>FORMA ENGINEERING INC.</b>        400 SAN FERNANDO MISSION BLVD.        SAN FERNANDO, CA 91340</p> <p>SIGNATURE _____ DATE _____</p>
No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE																																																					
1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21																																																					
<b>City of CALABASAS</b> PUBLIC WORKS DEPARTMENT <small>100 CIVIC CENTER WAY        CALABASAS, CA 91302        PHONE: 818.224.1600        FAX: 818.225.7338        WWW.CITYOFCALABASAS.COM</small>		<h3>PRECISE GRADING AND DRAINAGE PLAN</h3> <p>PARCEL 1 MAP# 61302        BOOK 373/94-95        24101 DRY CANYON COLD CREEK ROAD        APN 4455-006-035</p>																																																							
		<p>PREPARED FOR: <b>STEPHEN ROSS</b>        23945 CALABASAS RD. SUITE 116        CALABASAS, CA 91302</p> <p>DESIGNED BY: _____        CHECKED BY: _____        DRAWN BY: _____        SCALE: _____        SHEET NO. <b>C1</b> of 12</p>																																																							



SHEET INDEX	
SHEET NO.	DESCRIPTION
C1	TITLE SHEET
C2	OVERALL SITE PLAN AND DETAILS
C3	PRECISE GRADING AND DRAINAGE PLAN, NOTES, AND DETAILS
C4	PRECISE GRADING AND DRAINAGE PLAN, NOTES, AND DETAILS
C5	PRECISE GRADING AND DRAINAGE PLAN, NOTES, AND DETAILS
C6	LID PLAN, NOTES, CALCS, AND DETAILS
C7	SECTIONS DETAILS
C8	SECTIONS DETAILS
C9	SUMP PUMP CALCS AND DETAILS
C10	UTILITY SITE PLAN
C11	EROSION AND SEDIMENT CONTROL DETAILS
C12	EROSION AND SEDIMENT CONTROL PLAN

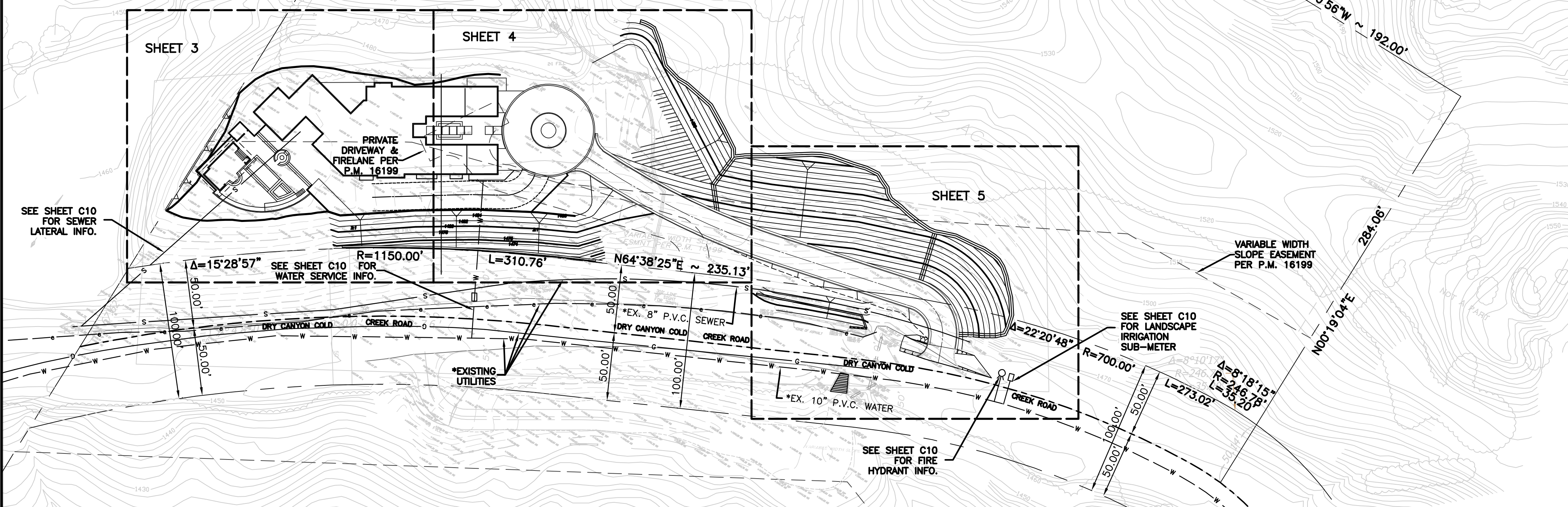
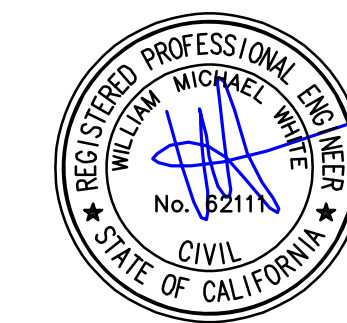




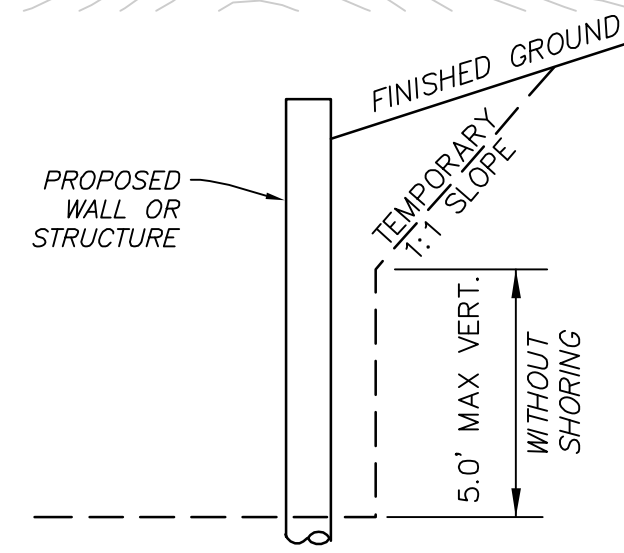
DETAIL "B"  
NDS ATRIUM GRATE WITH 90° BEND ELBOW  
N.T.S.



DETAIL "C"  
STORM DRAIN STENCIL

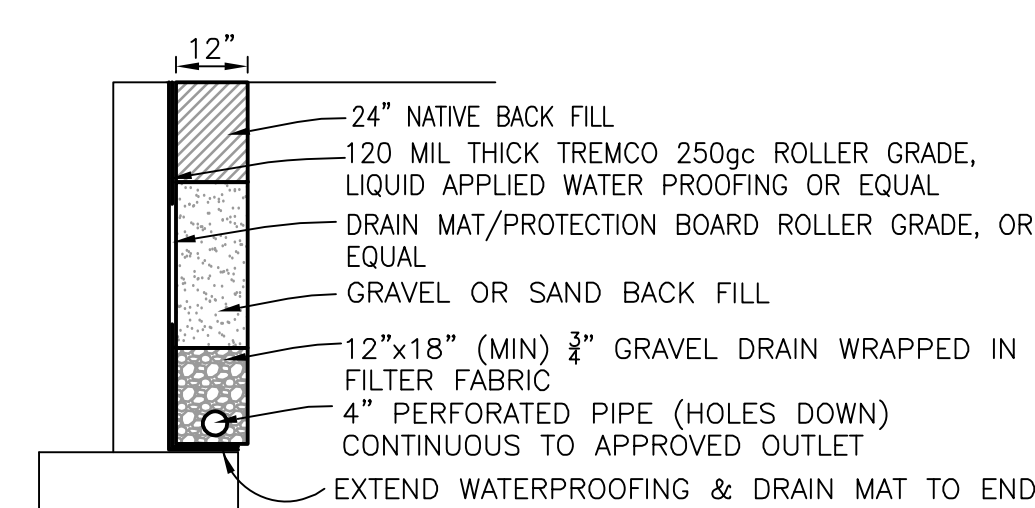


\*NOTE: EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS RECORD DRAWING 3-SS-001 PG. 3&4. 2004-CLL-0594

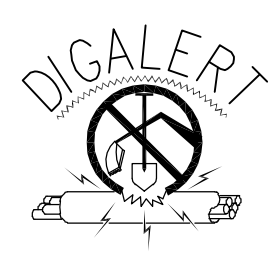


\*FOR EXCAVATIONS IN FILL AND SOIL MATERIAL, VERTICAL CUTS ARE NOT PERMITTED. TRIM EXCAVATION 1:1

METHOD OF TEMPORARY EXCAVATION  
NOT TO SCALE



TYPICAL BACK OF WALL DRAINAGE  
NOT TO SCALE



DIAL TOLL FREE  
1-800-422-4133  
AT LEAST TWO DAYS BEFORE YOU DIG  
UNDERGROUND SERVICE ALERT (USA) OF SOUTHERN CALIFORNIA

**AS-BUILT DRAWING**

I HEREBY CERTIFY THAT THE WORK SHOWN HEREON, MARKED AS 'AS-BUILT', HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.

PROJECT ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP. \_\_\_\_\_

REVIEWED BY: WILLDAN ENGINEERING  
IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION:

COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION:

ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

PREPARED BY: MIKE WHITE

FORMA ENGINEERING INC.  
400 SAN FERNANDO MISSION BLVD.  
SAN FERNANDO, CA 91340

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT  
100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE 818.224.1650  
FAX 818.225.7338  
WWW.CITYOFCALABASAS.COM

**OVERALL SITE PLAN**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
SHEET NO.  
C2 of 12

DRAWING NUMBER: 2020-CLL-0924

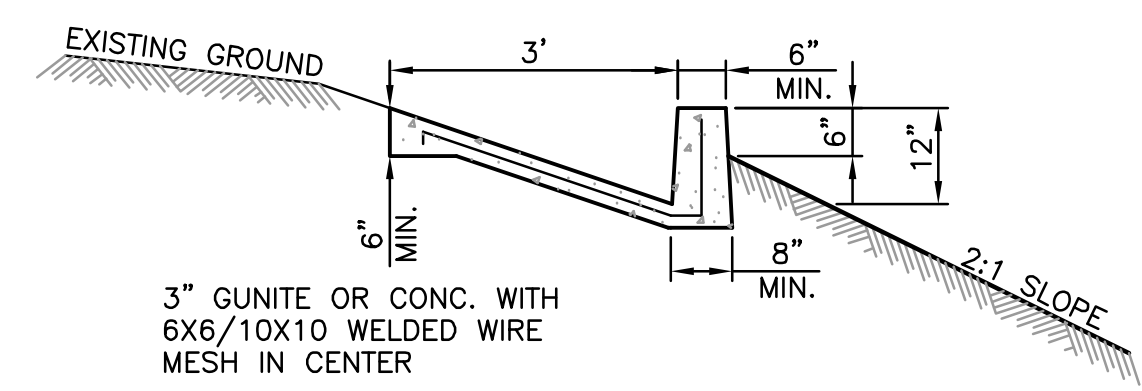


**CONSTRUCTION NOTES**

- ① CONSTRUCT 4" PVC GRATED AREA DRAIN INLET PER DETAILS "A" OR "B" ON SHEET "C2".
- ② CONNECT DOWNSPOUTS DIRECTLY TO SITE DRAINAGE.
- ③ CONSTRUCT 4" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
- ④ CONSTRUCT 6" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
- ⑤ CONSTRUCT 8" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
- ⑥ CONSTRUCT 8" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 2% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
- ⑦ CONSTRUCT CAST IN PLACE DESILTING/SUMP PUMP BOX PER DETAIL ON SHEET C7. INSTALL "NO DUMPING" STENCIL PER DETAIL C ON SHEET C2.
- ⑧ CONSTRUCT RETAINING WALL PER STRUCTURAL PLAN.
- ⑨ KEY STONE WALL. CONSTRUCT WALL PER SEPARATE PLAN AND PERMIT.
- ⑩ CONSTRUCT LID DIVERSION SUMP PUMP TO ROUTE ALL SITE DRAINAGE TO LID PLANTER. SEE SUMP PUMP DETAIL ON SHEET C9.
- ⑪ CONSTRUCT CURB AND GUTTER PER SPPWC STANDARD 120-2 (A2-6), W=1.5'. ON UPSLOPE SIDE OF DRIVEWAY CONSTRUCT REVERSE CURB AND GUTTER. WHERE INTERCEPTOR SWALE JOINS WITH CURB AND GUTTER ADD 1 FOOT OF CONCRETE TO TOP OF CURB FOR 8 FEET CENTERED OVER V-DITCH FLOWLINE TO ACT AS A SPLASH PAD/ENERGY DISSIPATOR.
- ⑫ CONSTRUCT NEW CONCRETE PAVED INTERCEPTOR SWALE PER DETAIL "E" ON SHEET C3. WHERE INDICATED ADD 1 FOOT OF CONCRETE TO TOP OF INTERCEPTOR SWALE FOR 8 FEET, 4 FEET ON EACH SIDE OF CORNER TURN. SEE LOCATION ON PLAN.
- ⑬ N/A
- ⑭ CONSTRUCT BOX CULVERT PER (CALTRANS) STANDARD PLAN NO. D80/D82 WHERE THE SPAN (S) = 4' AND THE HEIGHT (H) = 2' MAX. SEE SHEET C8 FOR INFORMATION AND ACTUAL HEIGHT (H) DIMENSIONS FOR INLET AND OUTLET.
- ⑮ CONSTRUCT 6" PVC SEWER LATERAL CONNECTION TO EX. SEWER LINE PER SPPWC STANDARD DETAIL 222-2 TYPE C. LOCATION PER PLAN. INVERT ESTIMATED (SEE C10) VERIFY IN THE FIELD.
- ⑯ CONSTRUCT VARIABLE HEIGHT RETAINING CURB PER DETAIL "B" ON SHEET C5.
- ⑰ KEYSTONE WALL SUBDRAIN LOCATION. SUBDRAIN TO DAYLIGHT @ TOE OF SLOPE ADJACENT TO STREET
- ⑱ 6" SCH 40 PVC OVERFLOW DRAIN PIPE.
- ⑲ NEW 1" WATER METER SERVICE PER L.V.M.W.P. CONSTRUCT PER PW-103 SPECIFICATIONS.
- ⑳ 1.5" SCH. 40 PVC PRESSURIZED PIPE FROM SUMP PUMP.
- ㉑ CONSTRUCT PER SPPWC STANDARD PLAN 120-2 DETAIL A1 WHERE CF=8" AND FOOTING = 3'
- ㉒ CONSTRUCT TRASH RACK PER SPPWC STANDARD PLAN 361-2 WHERE L ≈ 2.75'
- ㉓ FAILED CATTLE CROSSING WALL TO BE REMOVED. LIMITS OF REMOVAL CLOUDED ON PLAN. DUE TO WALL FAILURE, RAMP DOWN TO TUNNEL WILL BE BACKFILLED. BACKFILL PER SOIL ENGINEER'S RECOMMENDATIONS.
- ㉔ CONSTRUCT WALL FOR TUNNEL CLOSURE PER SOIL ENGINEER'S RECOMMENDATIONS.
- ㉕ COORDINATE CLOSURE OF HORSE CROSSING TUNNEL WITH CITY OF CALABASAS PUBLIC WORKS DEPARTMENT. CONTACT TATIANA HOLDEN (818) 224-1674 PRIOR TO COMMENCEMENT OF GRADING IN THIS AREA.

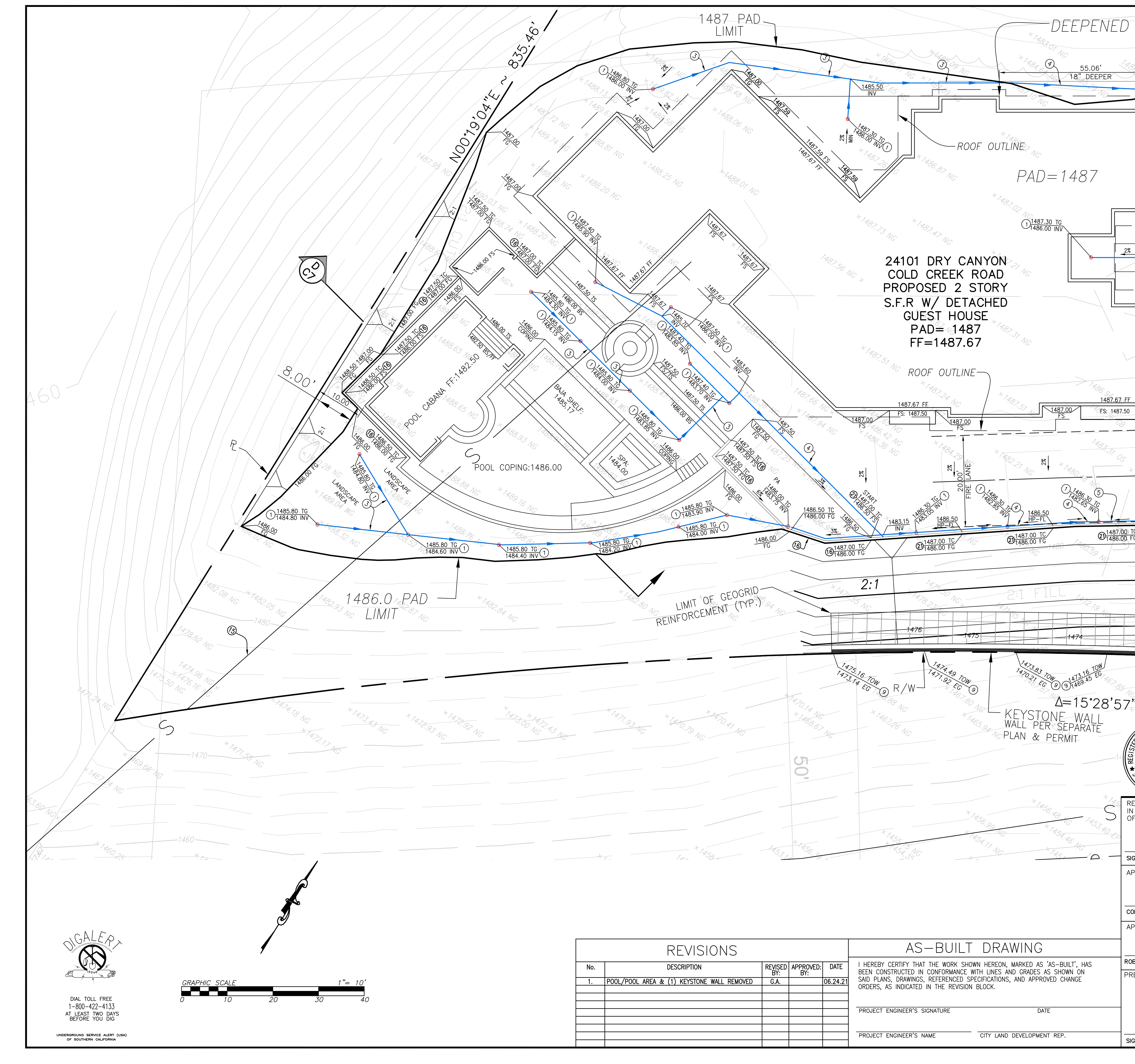
\*NOTE: EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS RECORD DRAWING 03-SS-001 PG. 3&4. 2004-CLL-0594

\*\*NOTE: STATIONING AND NEW WATER METER AND FIRE HYDRANT INFORMATION PER L.V.M.W.D. WATER IMPROVEMENT PLAN NUMBER 00938-02.



**DETAIL "E"**  
**PAVED INTERCEPTOR SWALE**  
NOT TO SCALE

SEE SHEET C4



**24101 DRY CANYON COLD CREEK ROAD**  
**PROPOSED 2 STORY**  
**S.F.R W/ DETACHED**  
**GUEST HOUSE**  
**PAD= 1487**  
**FF=1487.67**

PAD=1487

KEYSTONE WALL PER SEPARATE PLAN & PERMIT



REVISIONS				
No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE
1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21

**AS-BUILT DRAWING**

I HEREBY CERTIFY THAT THE WORK SHOWN HEREON, MARKED AS 'AS-BUILT', HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.

PROJECT ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP. \_\_\_\_\_

REVIEWED BY: WILLDAN ENGINEERING  
IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE \_\_\_\_\_

COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE \_\_\_\_\_

ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

PREPARED BY: MIKE WHITE

**FORMA ENGINEERING INC.**  
400 SAN FERNANDO MISSION BLVD.  
SAN FERNANDO, CA 91340

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT  
100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE 818.224.1600  
FAX 818.225.7338  
WWW.CITYOFCALABASAS.COM

**PRECISE GRADING AND DRAINAGE PLAN**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
SHEET NO.  
C3 of 12

**DIAL TOLL FREE**  
1-800-422-4133  
AT LEAST TWO DAYS BEFORE YOU DIG

**DIGALERT**

UNDERGROUND SERVICE ALERT (USA)  
OF SOUTHERN CALIFORNIA

GRAPHIC SCALE 1" = 10'

0 10 20 30 40



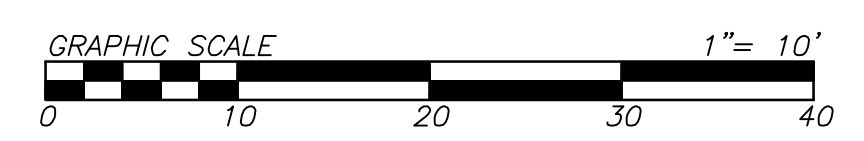
**CONSTRUCTION NOTES**

1. CONSTRUCT 4" PVC GRATED AREA DRAIN INLET PER DETAILS "A" OR "B" ON SHEET "C2".
2. CONNECT DOWNSPOUTS DIRECTLY TO SITE DRAINAGE.
3. CONSTRUCT 4" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
4. CONSTRUCT 6" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
5. CONSTRUCT 8" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
6. CONSTRUCT 8" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 2% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
7. CONSTRUCT CAST IN PLACE DESILTING/SUMP PUMP BOX PER DETAIL ON SHEET C7. INSTALL "NO DUMPING STENCIL PER DETAIL C ON SHEET C2.
8. CONSTRUCT RETAINING WALL PER STRUCTURAL PLAN.
9. KEY STONE WALL. CONSTRUCT WALL PER SEPARATE PLAN AND PERMIT.
10. CONSTRUCT LID DIVERSION SUMP PUMP TO ROUTE ALL SITE DRAINAGE TO LID PLANTER. SEE SUMP PUMP DETAIL ON SHEET C9.
11. CONSTRUCT CURB AND GUTTER PER SPPWC STANDARD 120-2 (A2-6), W=15'. ON UPSLOPE SIDE OF DRIVEWAY CONSTRUCT REVERSE CURB AND GUTTER. WHERE INTERCEPTOR SWALE JOINS WITH CURB AND GUTTER ADD 1 FOOT OF CONCRETE TO TOP OF CURB FOR 8 FEET CENTERED OVER V-DITCH FLOWLINE TO ACT AS A SPLASH PAD/ENERGY DISSIPATOR.
12. CONSTRUCT NEW CONCRETE PAVED INTERCEPTOR SWALE PER DETAIL "E" ON SHEET C3. WHERE INDICATED ADD 1 FOOT OF CONCRETE TO TOP OF INTERCEPTOR SWALE FOR 8 FEET, 4 FEET ON EACH SIDE OF CORNER TURN. SEE LOCATION ON PLAN.
13. N/A
14. CONSTRUCT BOX CULVERT PER (CALTRANS) STANDARD PLAN NO. D80/D82 WHERE THE SPAN (S) = 4' AND THE HEIGHT (H) = 2' MAX. SEE SHEET C8 FOR INFORMATION AND ACTUAL HEIGHT (H) DIMENSIONS FOR INLET AND OUTLET.
15. CONSTRUCT 6" PVC SEWER LATERAL CONNECTION TO EX. SEWER LINE PER SPPWC STANDARD DETAIL 222-2 TYPE C. LOCATION PER PLAN. INVERT ESTIMATED (SEE C10) VERIFY IN THE FIELD.
16. CONSTRUCT VARIABLE HEIGHT RETAINING CURB PER DETAIL "B" ON SHEET C5.
17. KEYSTONE WALL SUBDRAIN LOCATION. SUBDRAIN TO DAYLIGHT @ TOE OF SLOPE ADJACENT TO STREET
18. 6" SCH 40 PVC OVERFLOW DRAIN PIPE.
19. NEW 1" WATER METER SERVICE PER L.V.M.W.P. CONSTRUCT PER PW-103 SPECIFICATIONS.
20. 1.5" SCH. 40 PVC PRESSURIZED PIPE FROM SUMP PUMP.
21. CONSTRUCT PER SPPWC STANDARD PLAN 120-2 DETAIL A1 WHERE CF=8" AND FOOTING = 3'
22. CONSTRUCT TRASH RACK PER SPPWC STANDARD PLAN 361-2 WHERE L ≈ 2.75'
23. FAILED CATTLE CROSSING WALL TO BE REMOVED. LIMITS OF REMOVAL CLOUDED ON PLAN. DUE TO WALL FAILURE, RAMP DOWN TO TUNNEL WILL BE BACKFILLED. BACKFILL PER SOIL ENGINEER'S RECOMMENDATIONS.
24. CONSTRUCT WALL FOR TUNNEL CLOSURE PER SOIL ENGINEER'S RECOMMENDATIONS.
25. COORDINATE CLOSURE OF HORSE CROSSING TUNNEL WITH CITY OF CALABASAS PUBLIC WORKS DEPARTMENT. CONTACT TATIANA HOLDEN (818) 224-1674 PRIOR TO COMMENCEMENT OF GRADING IN THIS AREA.

\*NOTE: EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS RECORD DRAWING 03-SS-001 PG. 3&4. 2004-CLL-0594

**LEGEND OF ABBREVIATIONS:**

AC	ASPHALT
BS	BOTTOM OF STAIRS
BW	BANK OF WALK
CONC	CONCRETE
CL	CENTERLINE
DVWY	DRIVEWAY
EL OR ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX, EXIST	EXISTING
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
GFF	GARAGE FINISHED FLOOR
HP	HIGH POINT
INV	INVERT
LP	LOW POINT
LIP	LIP OF GUTTER
MAX	MAXIMUM
MIN	MINIMUM
PL	PROPERTY LINE
DS	DOWN SPOUT
TC	TOP OF CURB
TG	TOP OF GRATE
TOE	TOE OF SLOPE
TOF	TOP OF FOOTING
TOP	TOP OF WALL
TOW	TOP OF SLOPE
TS	TOP OF STAIRS



REVIEWED BY WILLDAN ENGINEERING IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE \_\_\_\_\_

COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE \_\_\_\_\_

ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

PREPARED BY: MIKE WHITE  
 FORMA ENGINEERING INC.  
 400 SAN FERNANDO MISSION BLVD.  
 SAN FERNANDO, CA 91340

**CITY of CALABASAS**  
 PUBLIC WORKS DEPARTMENT  
 100 CIVIC CENTER WAY  
 CALABASAS, CA 91302  
 PHONE 818.224.1600  
 FAX 818.225.7338  
 WWW.CITYOFCALABASAS.COM

**PRECISE GRADING AND DRAINAGE PLAN**

24101 DRY CANYON COLD CREEK ROAD  
 PARCEL 1 MAP# 61302  
 APN 4455-006-035

PREPARED FOR: **STEPHEN ROSS**  
 23945 CALABASAS RD. SUITE 116  
 CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 SCALE: \_\_\_\_\_  
 SHEET NO. **C4 of 12**

**AS-BUILT DRAWING**

I HEREBY CERTIFY THAT THE WORK SHOWN HEREON, MARKED AS 'AS-BUILT', HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.

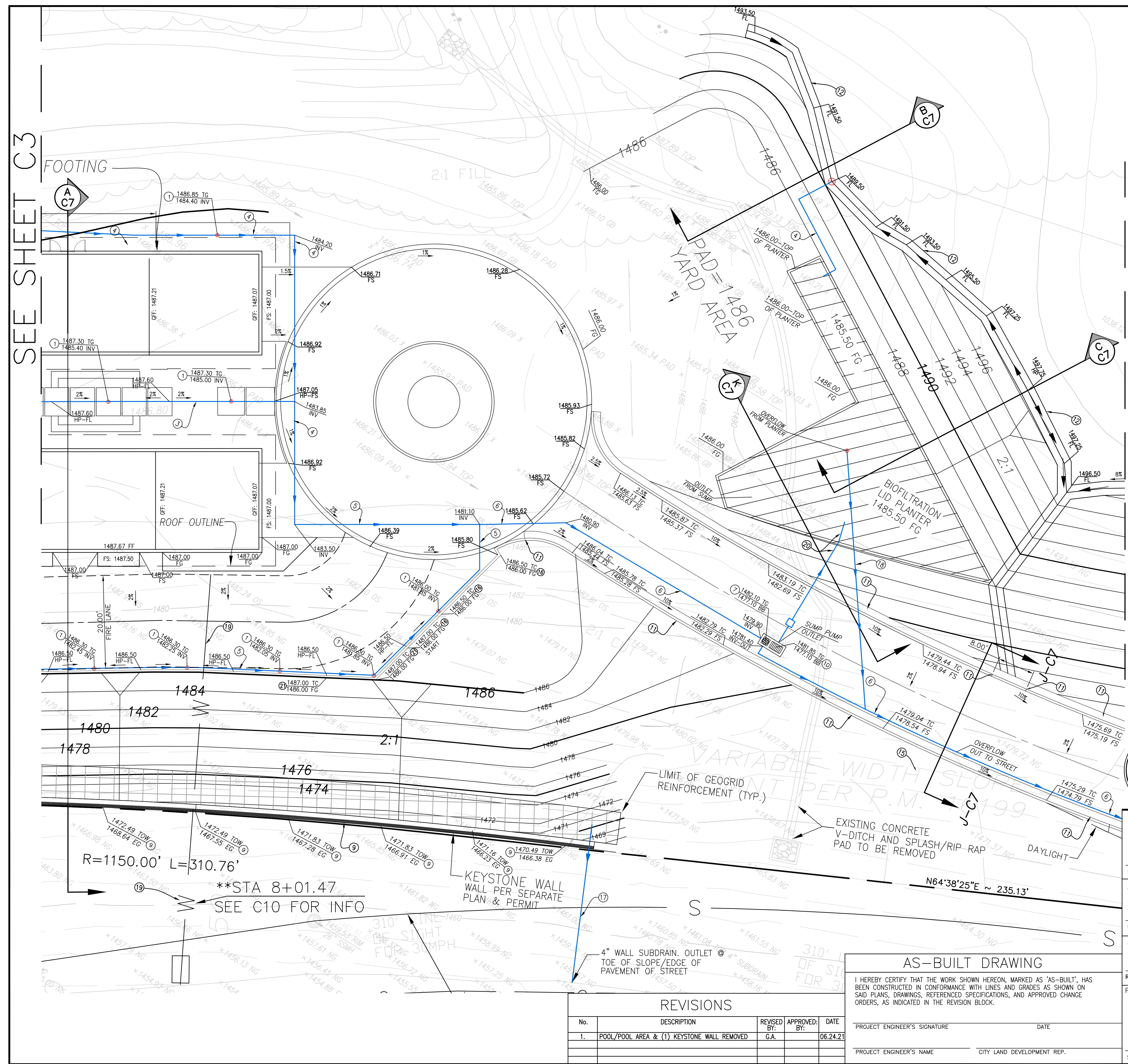
PROJECT ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
 PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP.

**REVISIONS**

No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE
1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21

SEE SHEET C3

SEE SHEET C5



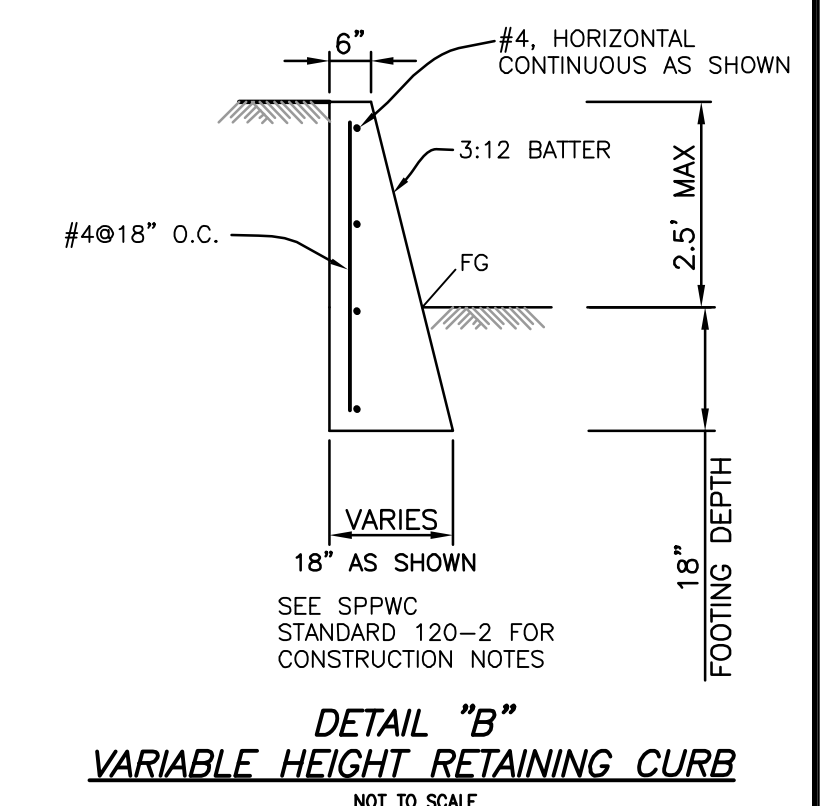


**CONSTRUCTION NOTES**

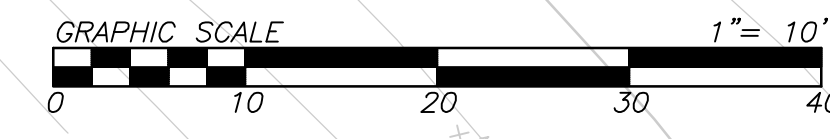
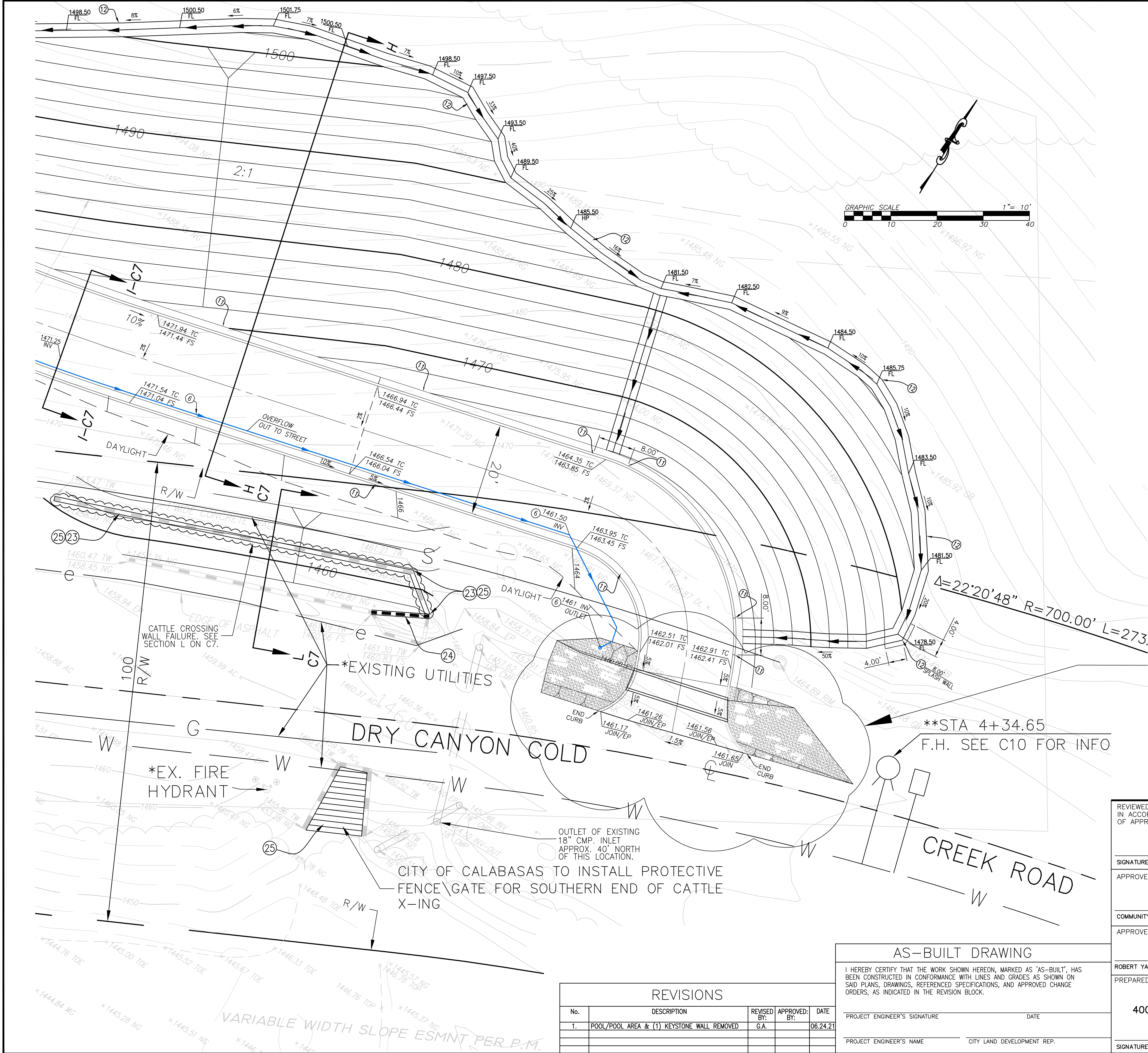
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\*NOTE: EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS RECORD DRAWING 03-SS-001 PG. 3&4. 2004-CLL-0594

\*\*NOTE: STATIONING AND NEW WATER METER AND FIRE HYDRANT INFORMATION PER L.V.M.W.D. WATER IMPROVEMENT PLAN NUMBER 00938-02.



FOR ZOOMED IN VIEW OF CLOUDED DRIVEWAY ENTRY SEE DETAIL ON SHEET C8.



**AS-BUILT DRAWING**

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PROJECT ENGINEER'S SIGNATURE _____	DATE _____
PROJECT ENGINEER'S NAME _____	CITY LAND DEVELOPMENT REP. _____

REVISIONS				
No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE
1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21

REVIEWED BY: WILLDAN ENGINEERING IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.	DATE _____
SIGNATURE _____	DATE _____
APPROVED FOR CONSTRUCTION:	DATE _____
COMMUNITY DEVELOPMENT DIRECTOR _____	DATE _____
APPROVED FOR CONSTRUCTION:	DATE _____
ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR	DATE _____
PREPARED BY: MIKE WHITE	DATE _____
FORMA ENGINEERING INC. 400 SAN FERNANDO MISSION BLVD. SAN FERNANDO, CA 91340	DATE _____

**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT

100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE: 818.224.1600  
FAX: 818.225.7338  
WWW.CITYOFCALABASAS.COM

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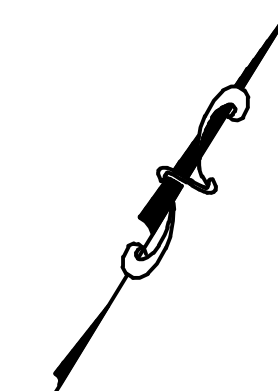
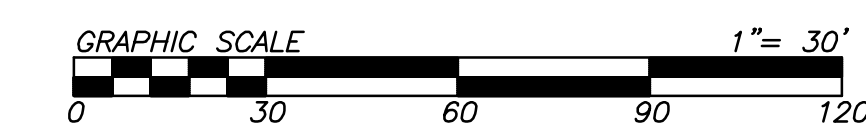
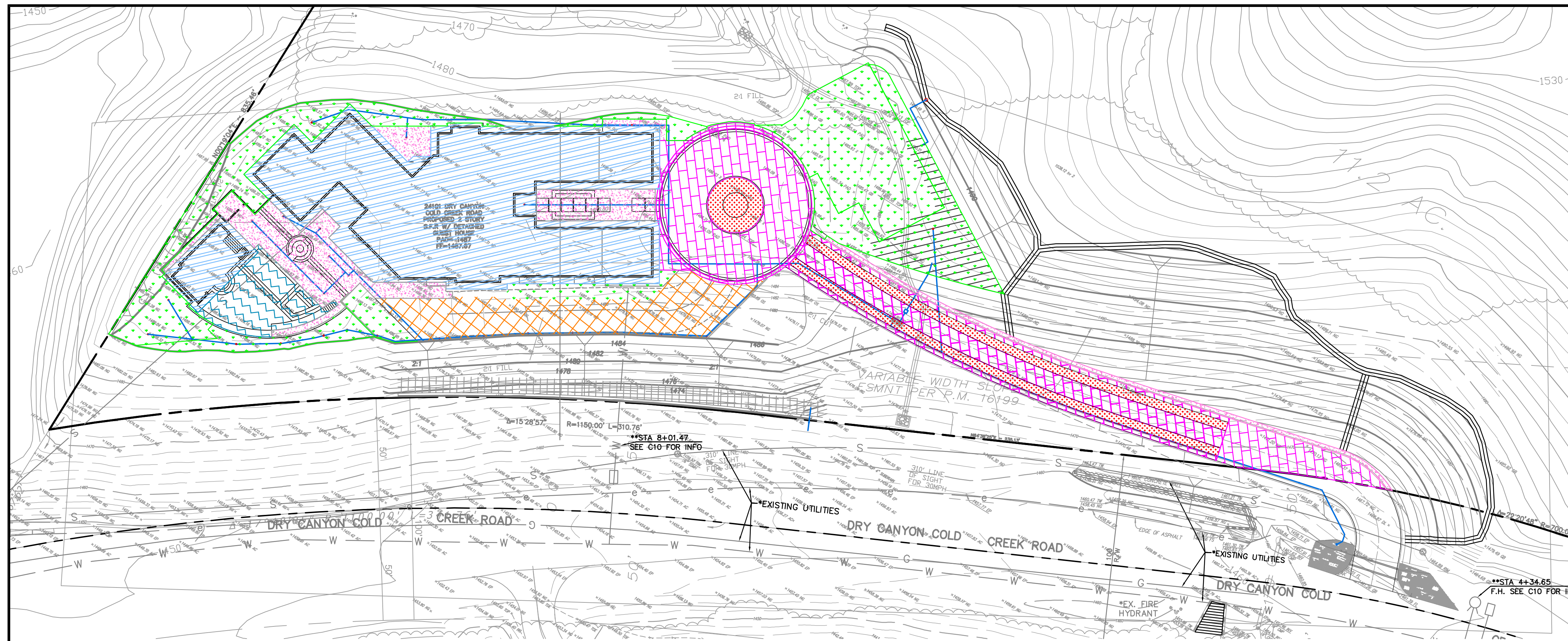
**PRECISE GRADING AND DRAINAGE PLAN**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

---

PREPARED FOR: <b>STEPHEN ROSS</b> 23945 CALABASAS RD. SUITE 116 CALABASAS, CA 91302	DESIGNED BY: _____ CHECKED BY: _____ DRAWN BY: _____ SCALE: _____ SHEET NO: <b>C5 of 12</b>
--	--





**L.I.D. CALCULATIONS:**

ROOF AREA (IMPERVIOUS):	11413 S.F.
HARDSCAPE AREA (IMPERVIOUS):	3617 S.F.
CONTRIBUTING PEROVIOUS AREA:	12661 S.F.
TOTAL IMPEROVIOUS AREA:	15030 S.F.
TOTAL CONTRIBUTING AREA:	27691 S.F.

REQUIRED VOLUME TO CAPTURE 85<sup>TH</sup> PERCENTILE STORM:

SWQDV: 1,344 CF APPROX. 1,350 CF (FROM HYDROCALC)

LID BMP SELECTION: BIO-FILTRATION PLANTER

SIZING: REQUIRED AREA (A)=Vb/d

- Vb = 1.5 (SWQDV)
- d = Ponding depth, 1.5 Ft MAX DEPTH WILL BE USED

AREA (A) = (1.5\*1350)/1.5 = 1350 SF  
PROVIDED AREA: 1,515 SF

**LID AREAS:**

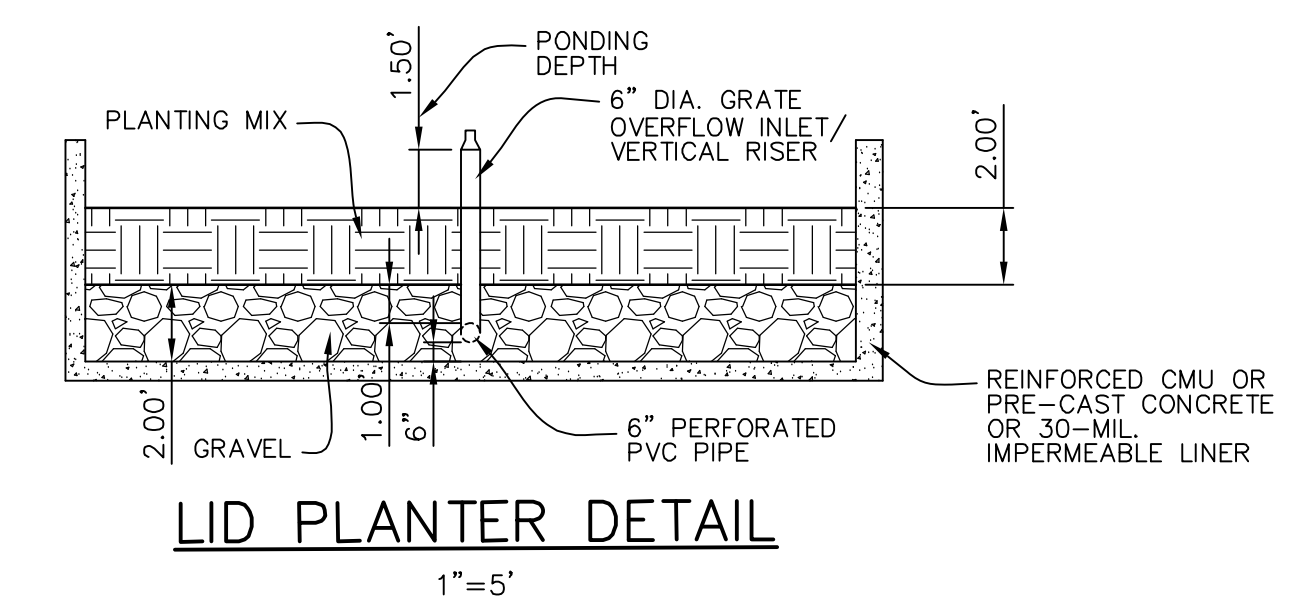
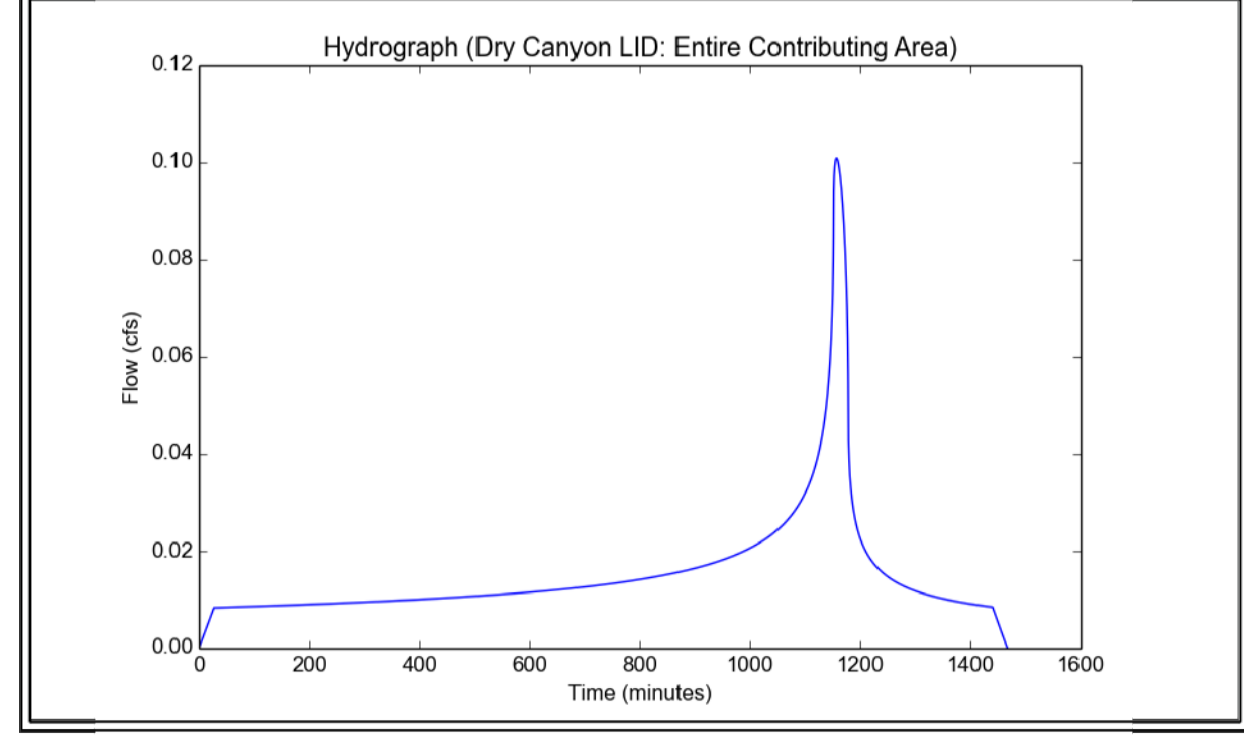
- HARDSCAPE (CONC. WALKWAY, DRIVEWAY & PATIO) (3,617 SQ.FT.)
- BUILDING ROOF AREA (11,413 SQ.FT.)
- PAVERS CONTRIBUTING (PERVIOUS 2,857 SQ.FT.)
- PAVERS NON CONTRIBUTING (PERVIOUS 7,150 SQ.FT.)
- CONTRIBUTING LANDSCAPE (9,804 SQ.FT.)
- NON CONTRIBUTING LANDSCAPE (2,170 SQ.FT.)
- POOL AREA (1,261 SQ.FT.)
- LID PLANTER

**Peak Flow Hydrologic Analysis**

File location: L:\17060-dry creek\Calc\HydroCalc\LID\2021-04-01\_17060 Dry Canyon LID - Entire Contributing Area.pdf  
Version: HydroCalc 1.0.2

Input Parameters	
Project Name	Dry Canyon LID
Subarea ID	Entire Contributing Area
Area (ac)	0.6357
Flow Path Length (ft)	400.0
Flow Path Slope (v/hft)	0.01
85th Percentile Rainfall Depth (in)	1.1
Percent Impervious	0.54278
Soil Type	66
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results	
Modeled (85th percentile storm) Rainfall Depth (in)	1.1
Peak Intensity (in/hr)	0.2971
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.5342
Time of Concentration (min)	27.0
Clear Peak Flow Rate (cfs)	0.1009
Burned Peak Flow Rate (cfs)	0.1009
24-Hr Clear Runoff Volume (ac-ft)	0.0309
24-Hr Clear Runoff Volume (cu-ft)	1344.853



REVIEWED BY: WILLDAN ENGINEERING  
IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION: \_\_\_\_\_

COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION: \_\_\_\_\_

ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

PREPARED BY: MIKE WHITE

FORMA ENGINEERING INC.  
400 SAN FERNANDO MISSION BLVD.  
SAN FERNANDO, CA 91340

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT  
100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE 818.224.1650  
FAX 818.225.7338  
WWW.CITYOFCALABASAS.COM

**LID PLAN & DETAILS**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
SHEET NO.  
C6 of 12

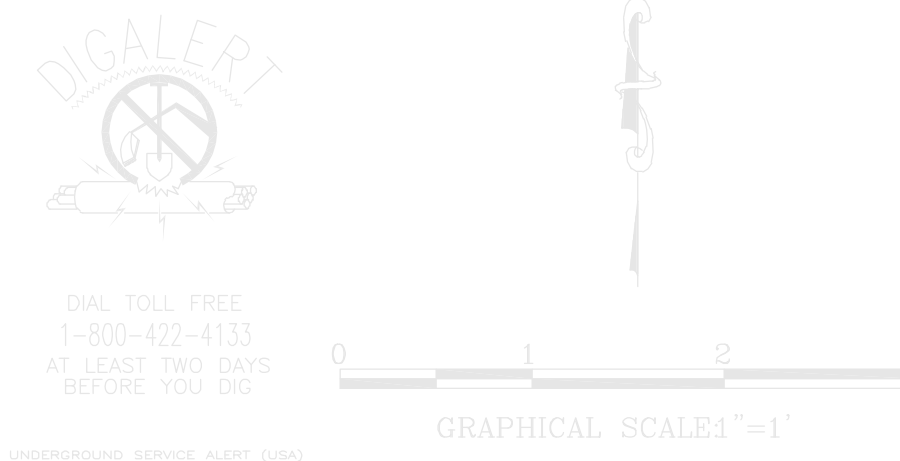
REVISIONS				
No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE
1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21

**AS-BUILT DRAWING**

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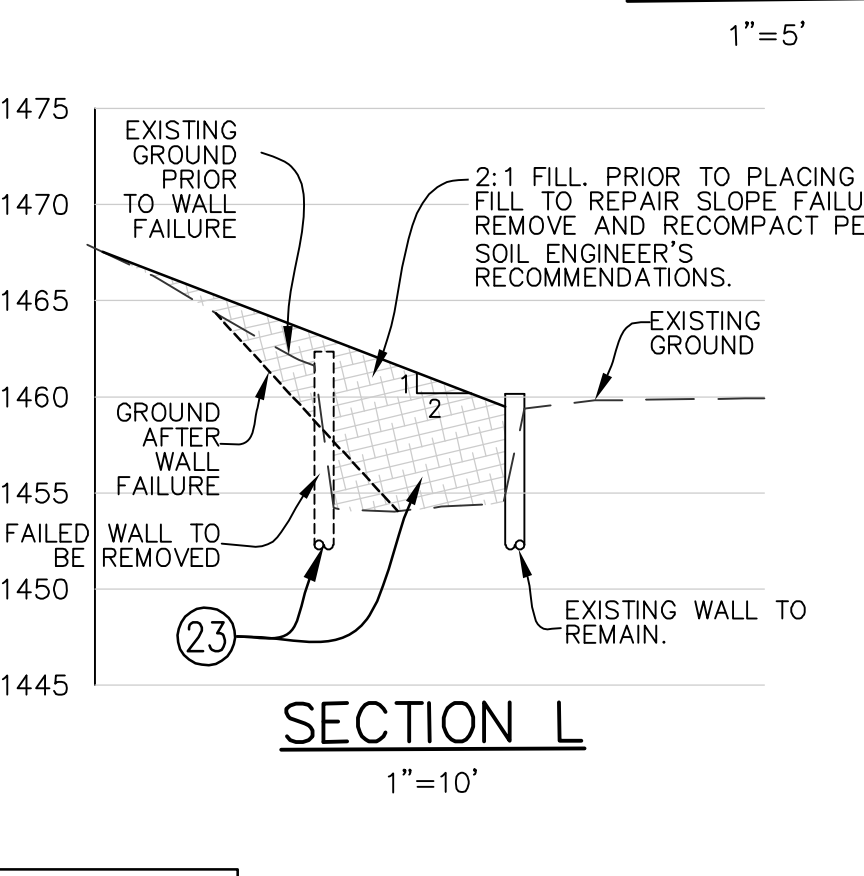
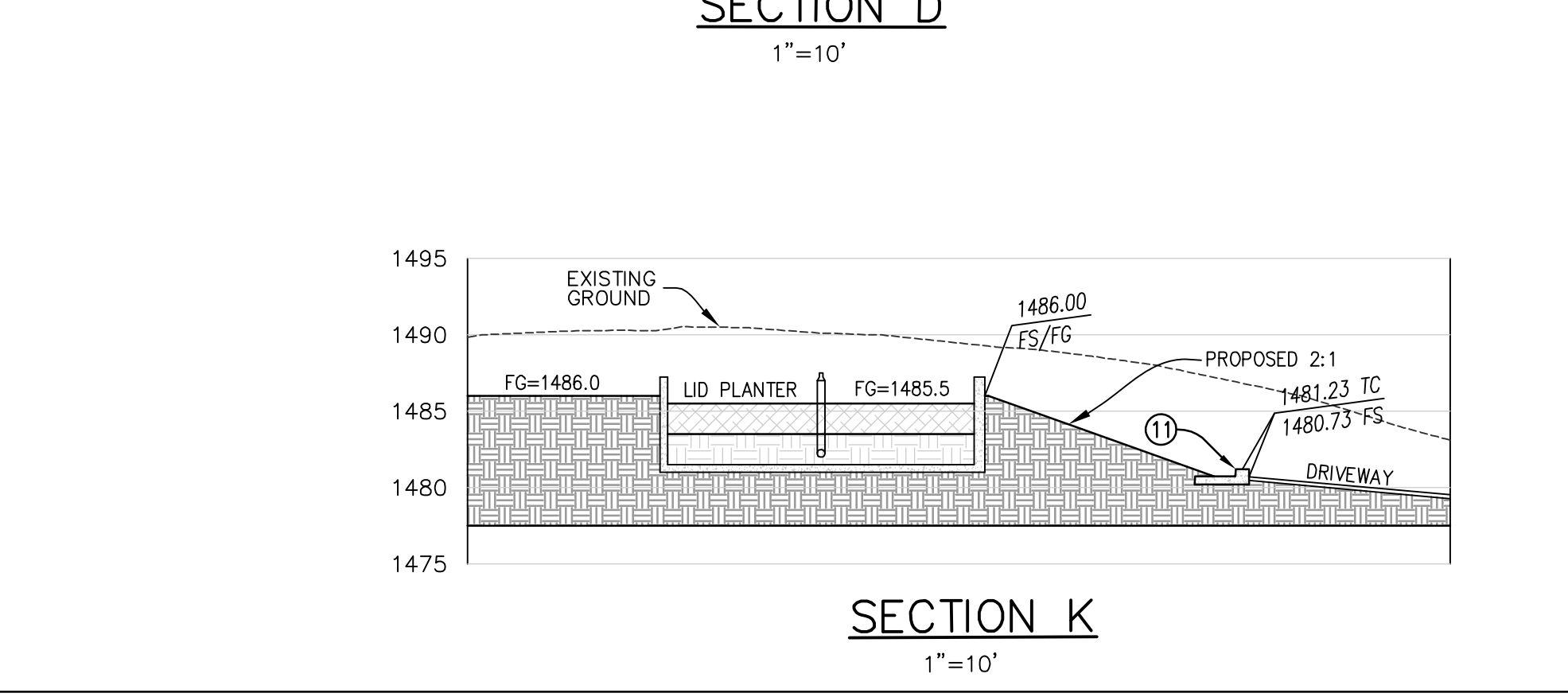
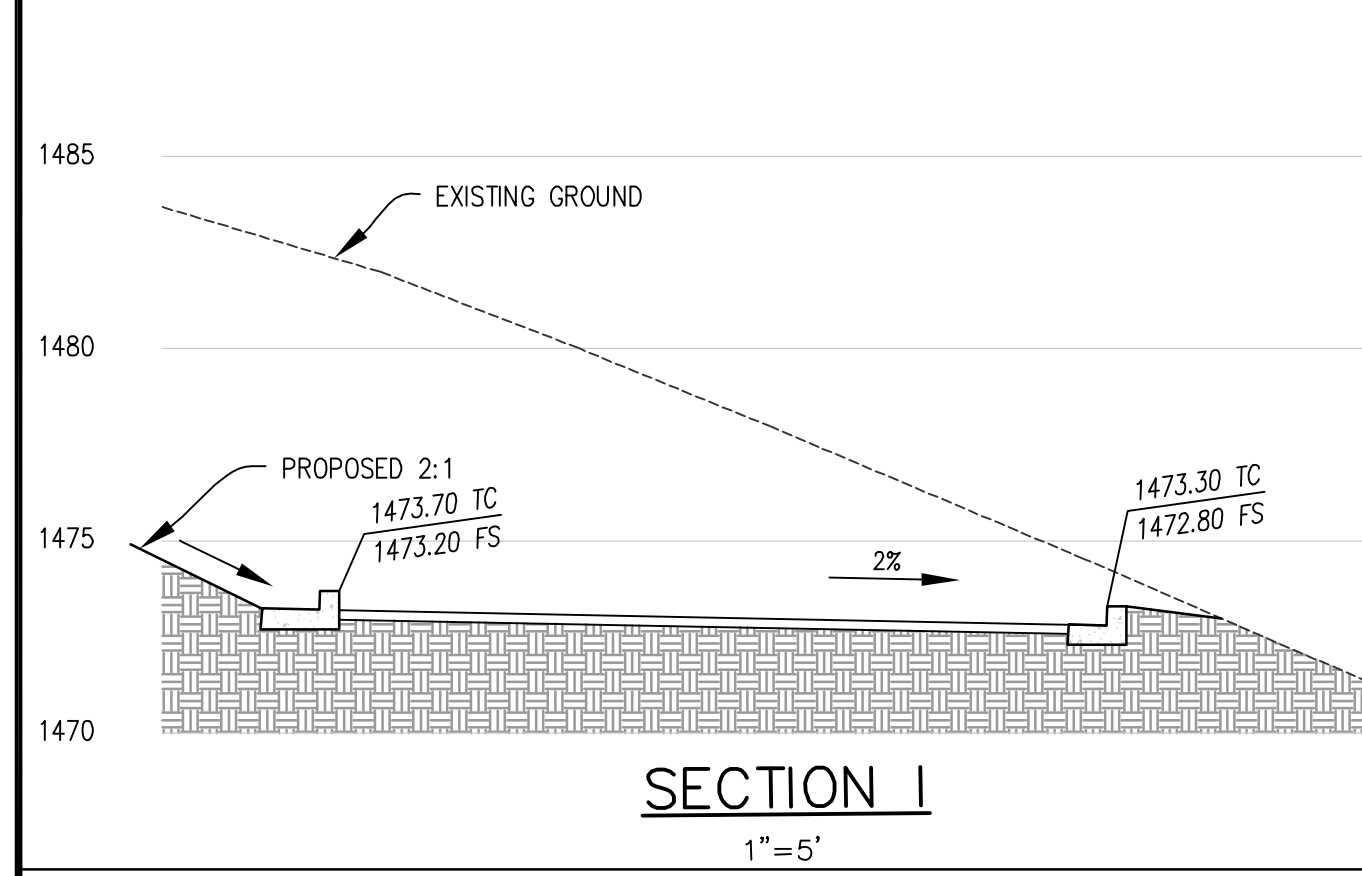
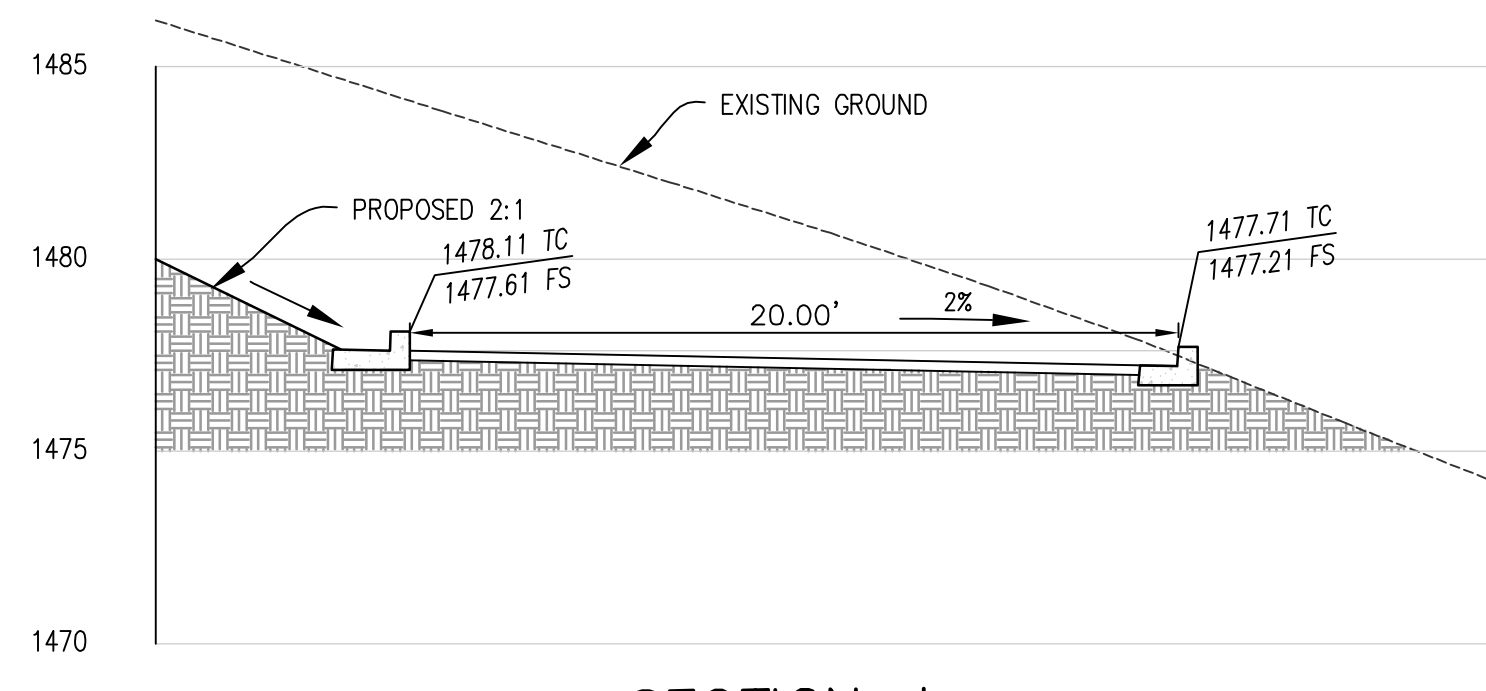
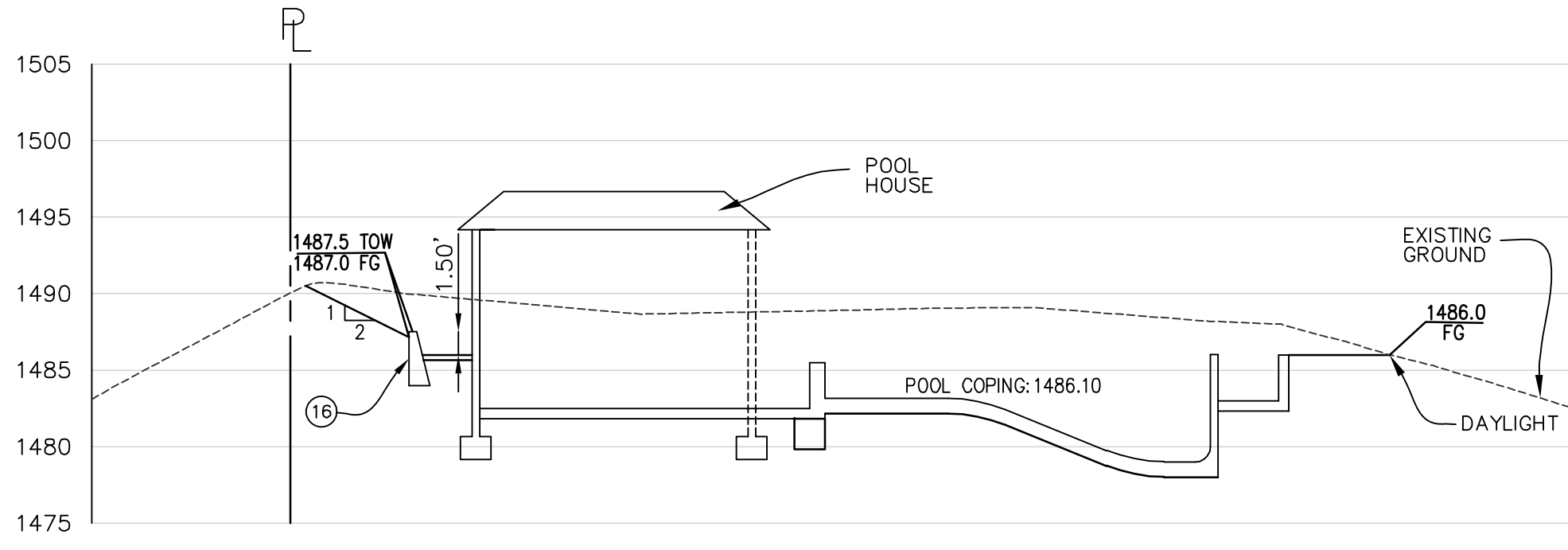
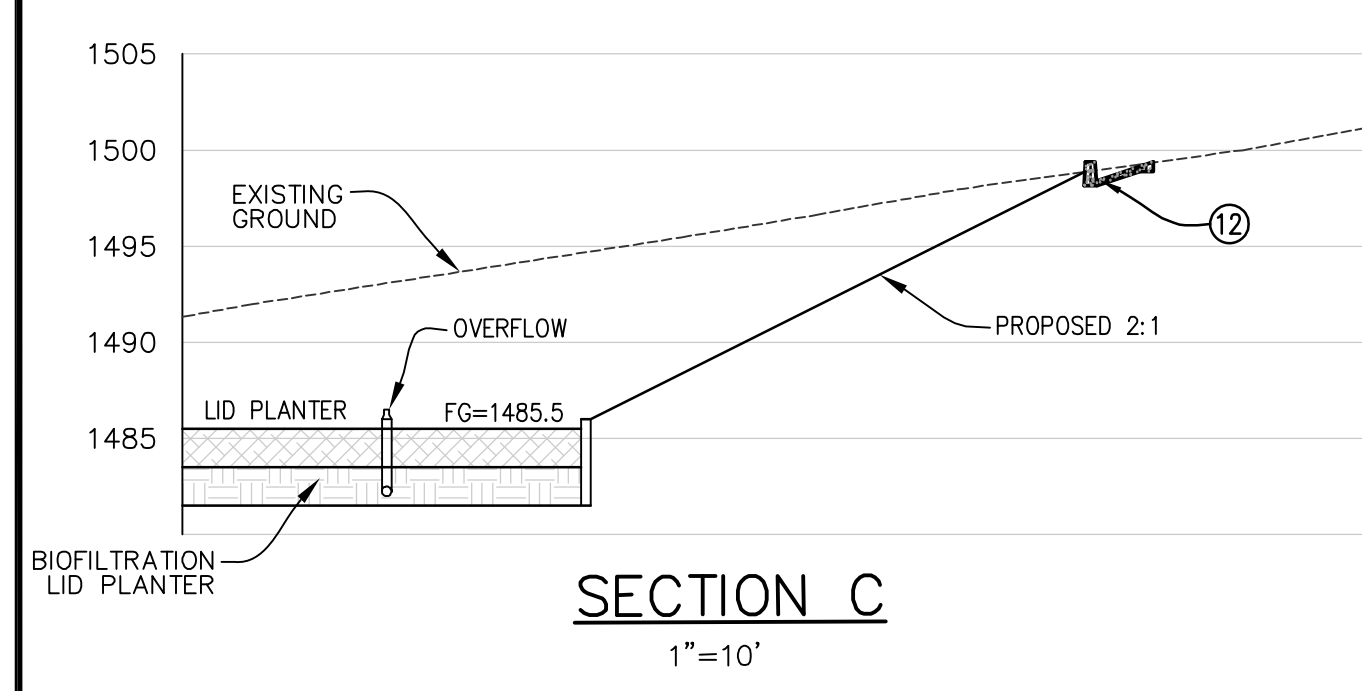
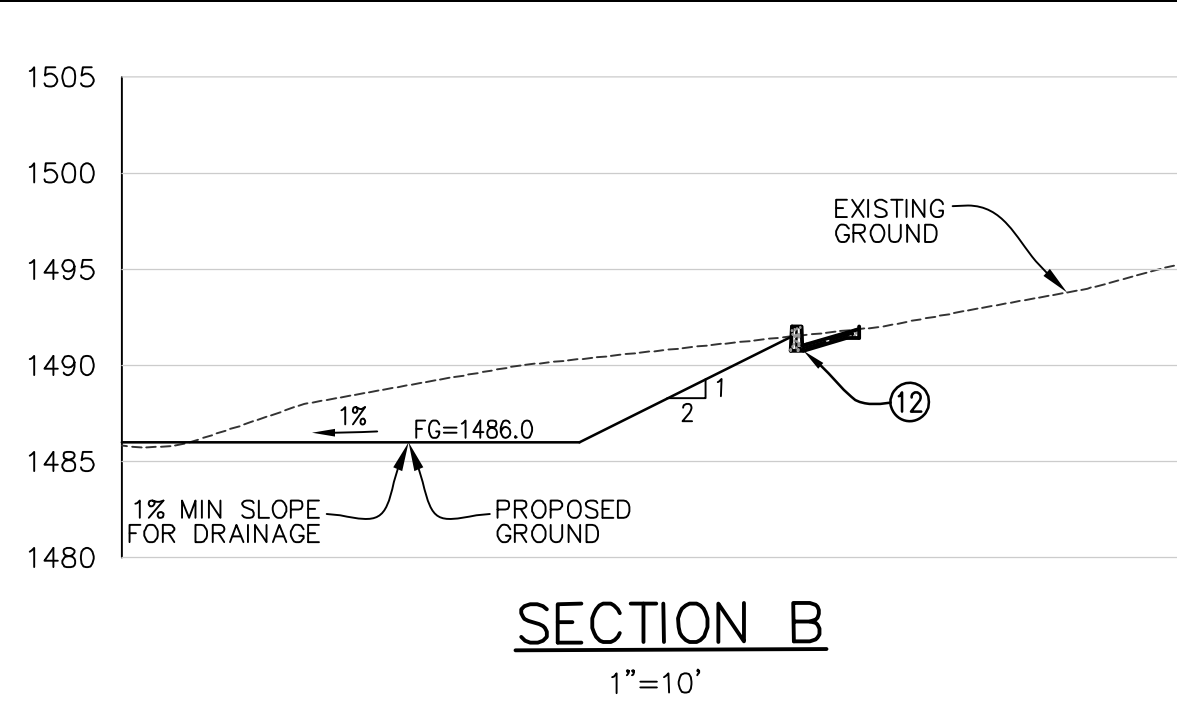
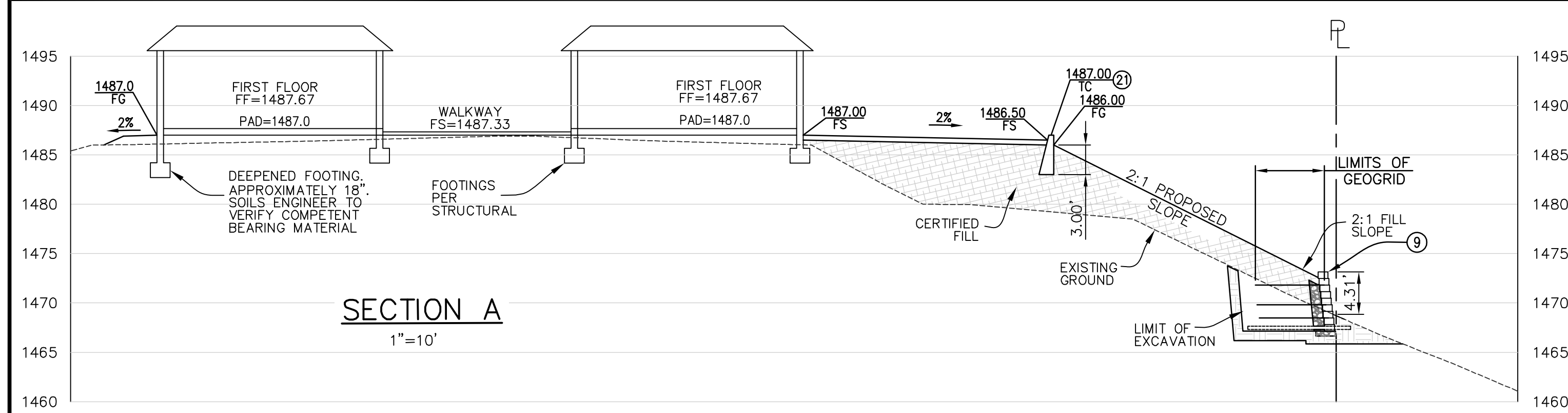
PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP.



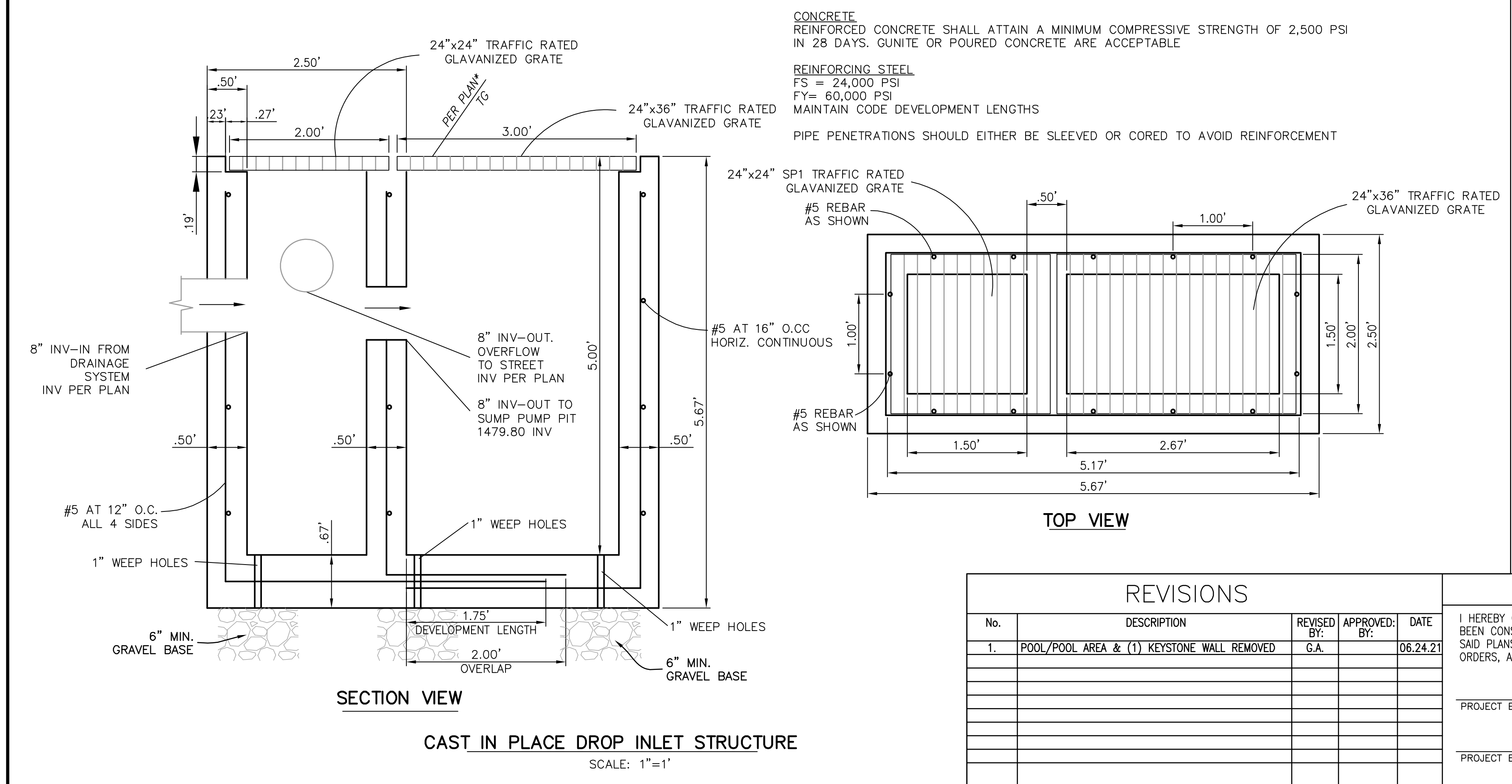
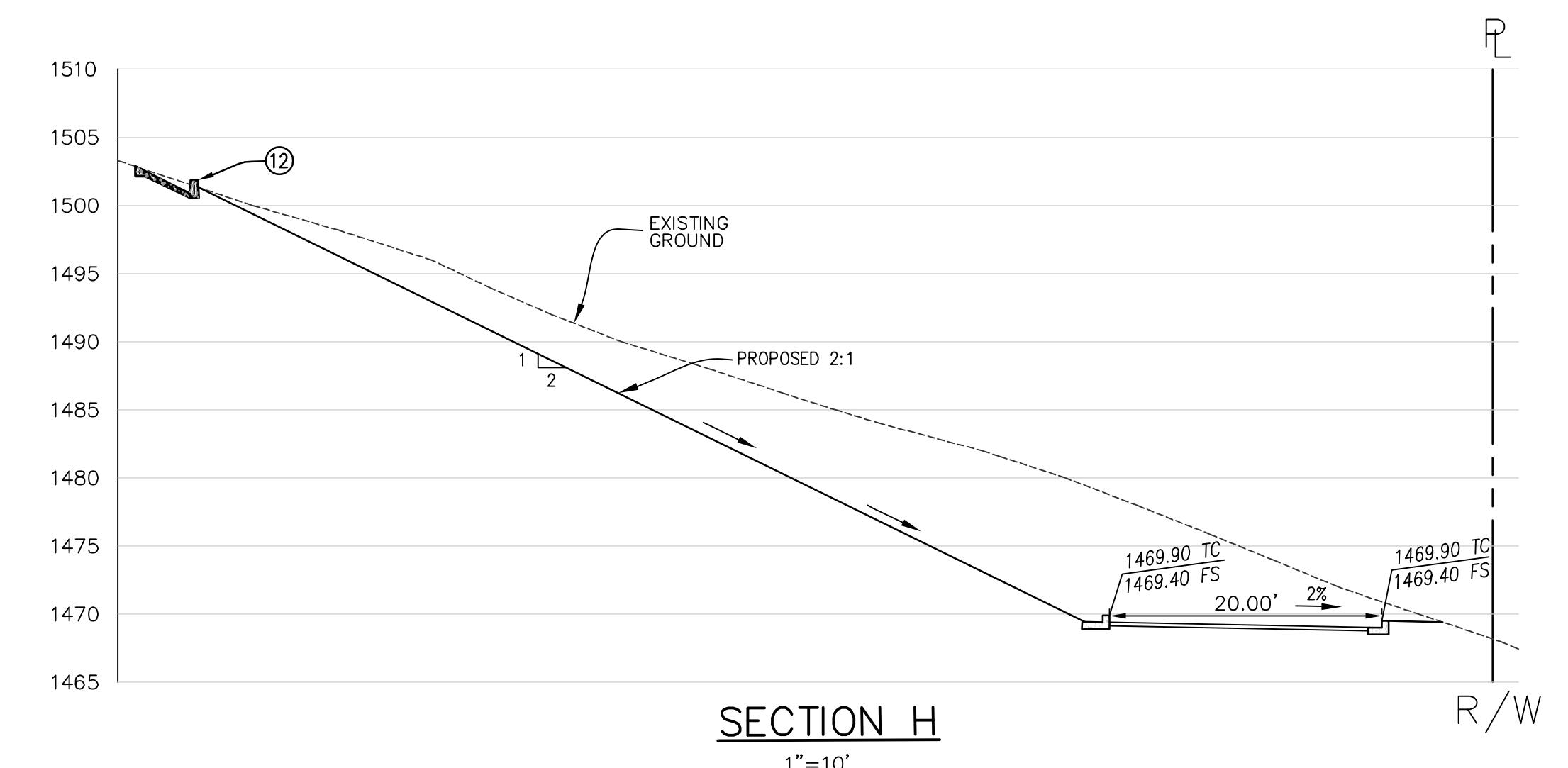
CALL TOLL FREE  
1-800-422-4133  
48 HOURS TWO DAYS  
BEFORE YOU GO

PROFESSIONAL SERVICE ALERT (PSA)  
OF SEVERAL CALIFORNIA



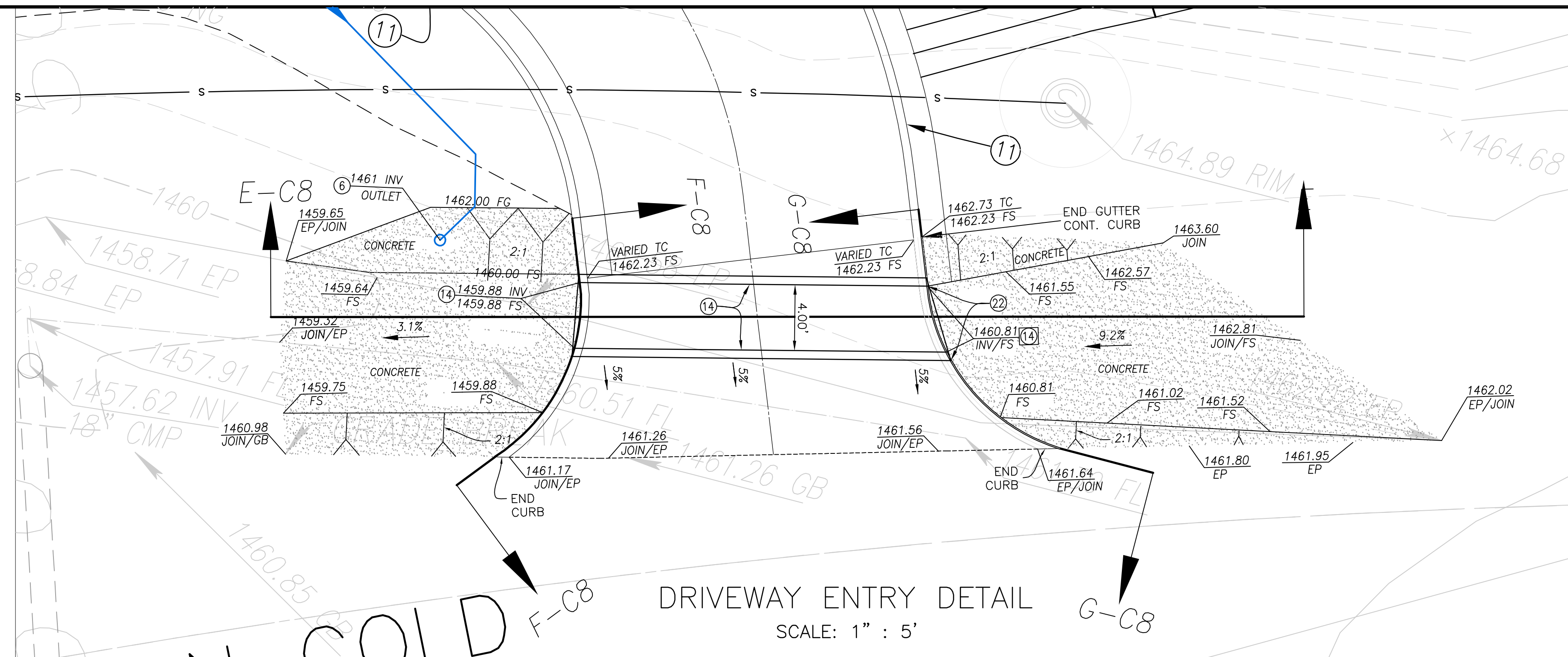


- ### CONSTRUCTION NOTES
- CONSTRUCT 4" PVC GRATED AREA DRAIN INLET PER DETAILS "A" OR "B" ON SHEET "C2".
  - CONNECT DOWNSPOUTS DIRECTLY TO SITE DRAINAGE.
  - CONSTRUCT 4" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
  - CONSTRUCT 6" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
  - CONSTRUCT 8" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 1% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
  - CONSTRUCT 8" PVC DRAIN PIPE, (SCH 40 OR EQUAL) AT 2% MINIMUM SLOPE. CLEANOUTS AS REQUIRED BY CODE.
  - CONSTRUCT CAST IN PLACE DESILTING/SUMP PUMP BOX PER DETAIL ON SHEET C7. INSTALL "NO DUMPING" STENCIL PER DETAIL C ON SHEET C2.
  - CONSTRUCT RETAINING WALL PER STRUCTURAL PLAN.
  - KEY STONE WALL. CONSTRUCT WALL PER SEPARATE PLAN AND PERMIT.
  - CONSTRUCT LID DIVERSION SUMP PUMP TO ROUTE ALL SITE DRAINAGE TO LID PLANTER. SEE SUMP PUMP DETAIL ON SHEET C9.
  - CONSTRUCT CURB AND GUTTER PER SPPWC STANDARD 120-2 (A2-6), W=1.5'. ON UPSLOPE SIDE OF DRIVEWAY CONSTRUCT REVERSE CURB AND GUTTER. WHERE INTERCEPTOR SWALE JOINS WITH CURB AND GUTTER ADD 1 FOOT OF CONCRETE TO TOP OF CURB FOR 8 FEET CENTERED OVER V-DITCH FLOWLINE TO ACT AS A SPLASH PAD/ENERGY DISSIPATOR.
  - CONSTRUCT NEW CONCRETE PAVED INTERCEPTOR SWALE PER DETAIL "E" ON SHEET C3. WHERE INDICATED ADD 1 FOOT OF CONCRETE TO TOP OF INTERCEPTOR SWALE FOR 8 FEET, 4 FEET ON EACH SIDE OF CORNER TURN. SEE LOCATION ON PLAN.
  - N/A
  - CONSTRUCT BOX CULVERT PER (CALTRANS) STANDARD PLAN NO. D80/D82 WHERE THE SPAN (S) = 4' AND THE HEIGHT (H) = 2' MAX. SEE SHEET C8 FOR INFORMATION AND ACTUAL HEIGHT (H) DIMENSIONS FOR INLET AND OUTLET.
  - CONSTRUCT 6" PVC SEWER LATERAL CONNECTION TO EX. SEWER LINE PER SPPWC STANDARD DETAIL 222-2 TYPE C. LOCATION PER PLAN. INVERT ESTIMATED (SEE C10) VERIFY IN THE FIELD.
  - CONSTRUCT VARIABLE HEIGHT RETAINING CURB PER DETAIL "B" ON SHEET C5.
  - KEYSTONE WALL SUBDRAIN LOCATION. SUBDRAIN TO DAYLIGHT TO GRADE.
  - 6" SCH 40 PVC OVERFLOW DRAIN PIPE.
  - NEW 1" WATER METER SERVICE PER L.V.M.W.P. CONSTRUCT PER PW-103 SPECIFICATIONS.
  - 1.5" SCH. 40 PVC PRESSURIZED PIPE FROM SUMP PUMP.
  - CONSTRUCT PER SPPWC STANDARD PLAN 120-2 DETAIL A1 WHERE CF=8" AND FOOTING = 3'
  - CONSTRUCT TRASH RACK PER SPPWC STANDARD PLAN 361-2 WHERE L ≈ 2.75'
  - FAILED CATTLE CROSSING WALL TO BE REMOVED. LIMITS OF REMOVAL CLOUDED ON PLAN. DUE TO WALL FAILURE, RAMP DOWN TO TUNNEL WILL BE BACKFILLED. BACKFILL PER SOIL ENGINEER'S RECOMMENDATIONS.
  - CONSTRUCT WALL FOR TUNNEL CLOSURE PER SOIL ENGINEER'S RECOMMENDATIONS.
  - COORDINATE CLOSURE OF HORSE CROSSING TUNNEL WITH CITY OF CALABASAS PUBLIC WORKS DEPARTMENT. CONTACT TATIANA HOLDEN (818) 224-1674 PRIOR TO COMMENCEMENT OF GRADING IN THIS AREA.
- \*NOTE: EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS RECORD DRAWING 03-SS-001 PG. 3&4. 2004-CLL-0594



REVIEWED BY: WILLDAN ENGINEERING IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.	SIGNATURE _____ DATE _____	 100 CIVIC CENTER WAY CALABASAS, CA 91302 PHONE: 818.224.1650 FAX: 818.225.7338 WWW.CITYOFCALABASAS.COM
APPROVED FOR CONSTRUCTION:	SIGNATURE _____ DATE _____	
COMMUNITY DEVELOPMENT DIRECTOR	DATE _____	SECTIONS AND DETAILS
APPROVED FOR CONSTRUCTION:	DATE _____	24101 DRY CANYON COLD CREEK ROAD PARCEL 1 MAP# 61302 APN 4455-006-035
ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR	DATE _____	PREPARED FOR: STEPHEN ROSS 23945 CALABASAS RD. SUITE 116 CALABASAS, CA 91302
PREPARED BY: MIKE WHITE	DATE _____	DESIGNED BY: _____ CHECKED BY: _____ DRAWN BY: _____ SCALE: _____ SHEET NO. C7 of 12
FORMA ENGINEERING INC. 400 SAN FERNANDO MISSION BLVD. SAN FERNANDO, CA 91340	SIGNATURE _____ DATE _____	DRAWING NUMBER: 2020-CLL-0924

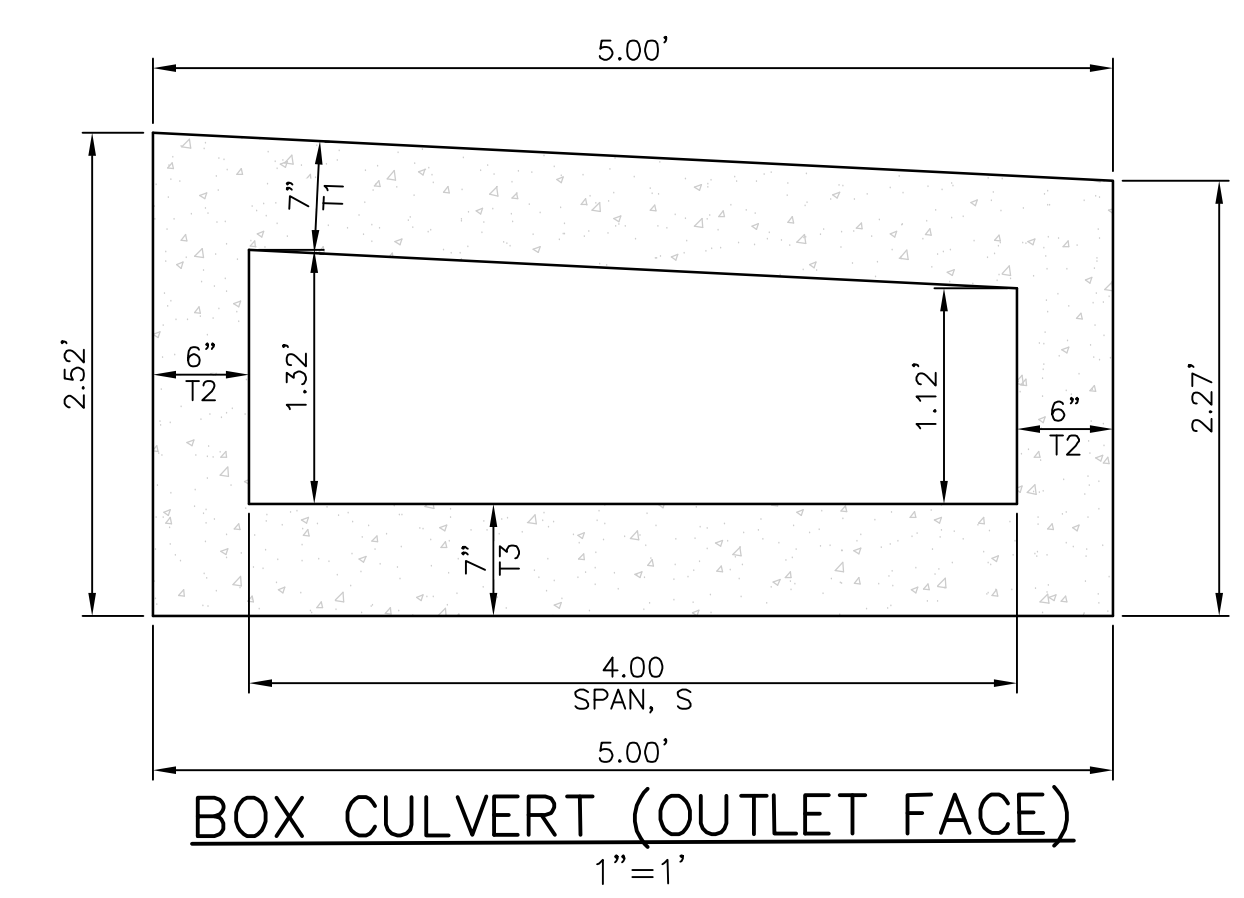
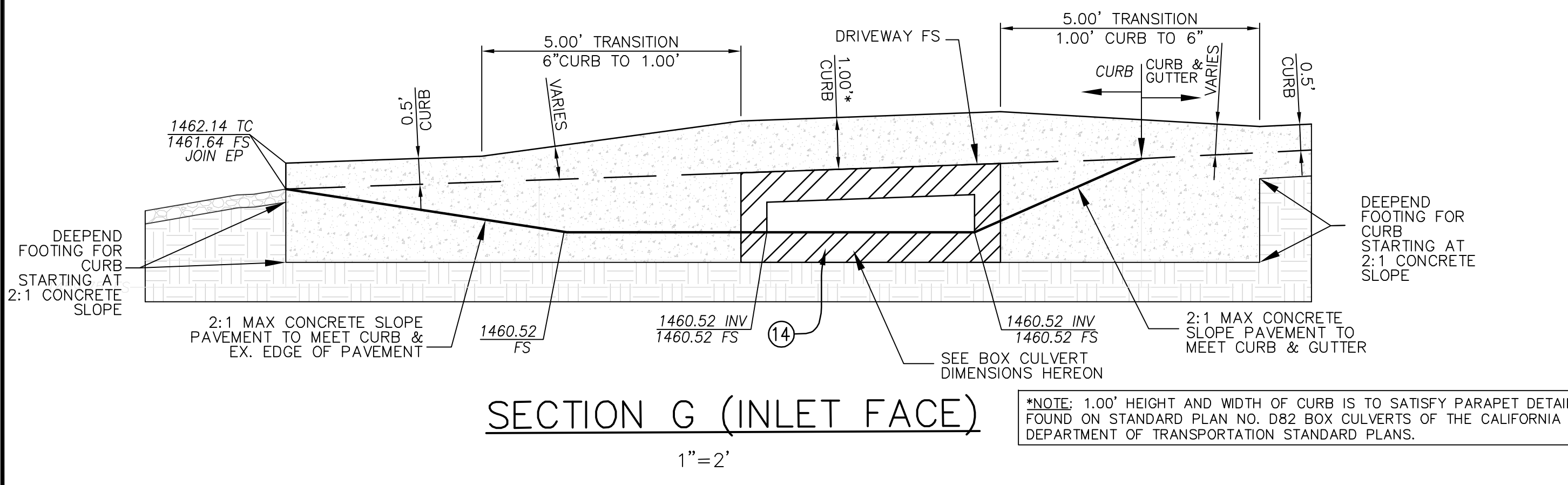
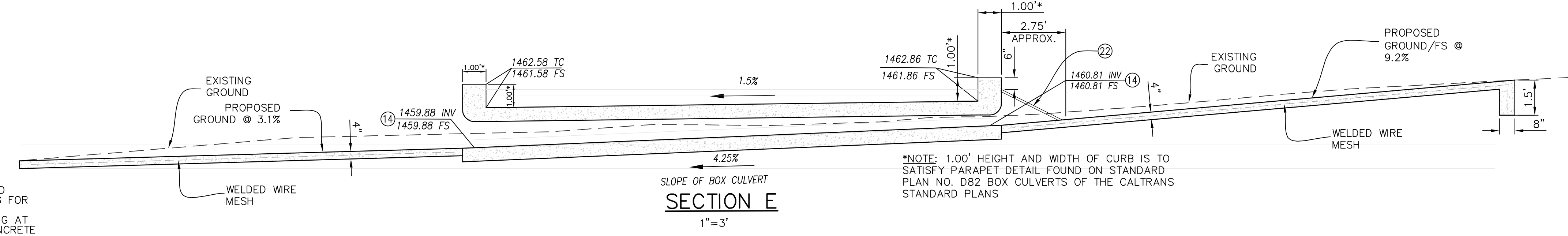
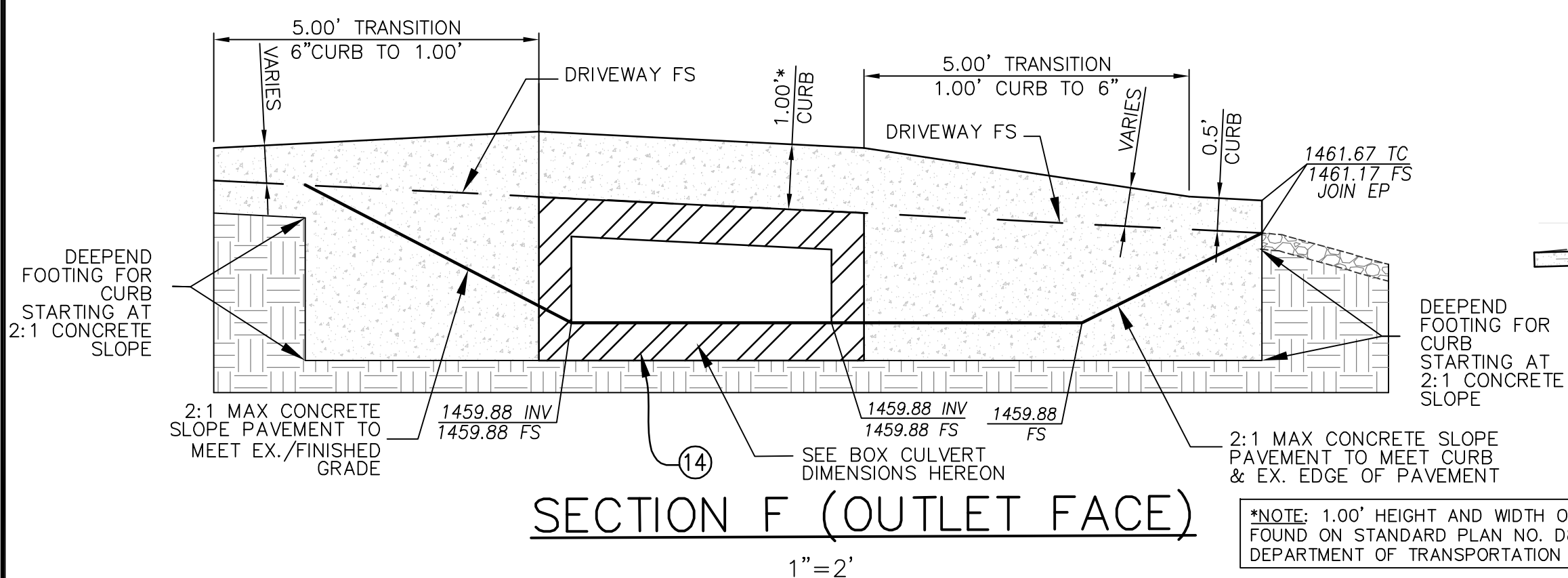
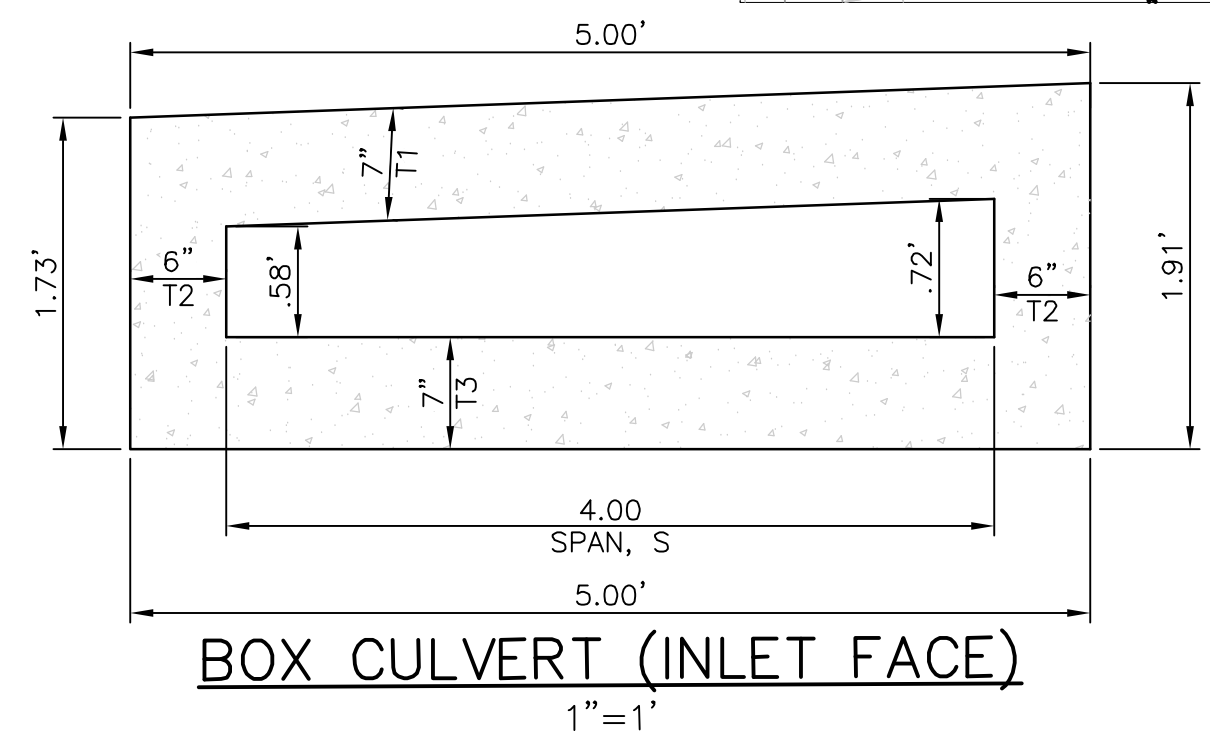




**CONSTRUCTION NOTES**

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- 24 CONSTRUCT WALL FOR TUNNEL CLOSURE PER SOIL ENGINEER'S RECOMMENDATIONS.
- 25 COORDINATE CLOSURE OF HORSE CROSSING TUNNEL WITH CITY OF CALABASAS PUBLIC WORKS DEPARTMENT. CONTACT TATIANA HOLDEN (818) 224-1674 PRIOR TO COMMENCEMENT OF GRADING IN THIS AREA.

\*NOTE: EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS RECORD DRAWING 03-SS-001 PG. 3&4. 2004-CLL-0594



REVIEWED BY: WILLDAN ENGINEERING IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.	DATE
SIGNATURE	DATE
APPROVED FOR CONSTRUCTION:	DATE
COMMUNITY DEVELOPMENT DIRECTOR	DATE
APPROVED FOR CONSTRUCTION:	DATE
ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR	DATE
PREPARED BY: MIKE WHITE	DATE
FORMA ENGINEERING INC. 400 SAN FERNANDO MISSION BLVD. SAN FERNANDO, CA 91340	DATE
SIGNATURE	DATE

**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT  
100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE: 818.224.1600  
FAX: 818.225.7338  
WWW.CITYOFCALABASAS.COM

**SECTIONS AND DETAILS**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
SHEET NO. C8 of 12

**AS-BUILT DRAWING**

I HEREBY CERTIFY THAT THE WORK SHOWN HEREON, MARKED AS 'AS-BUILT', HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.

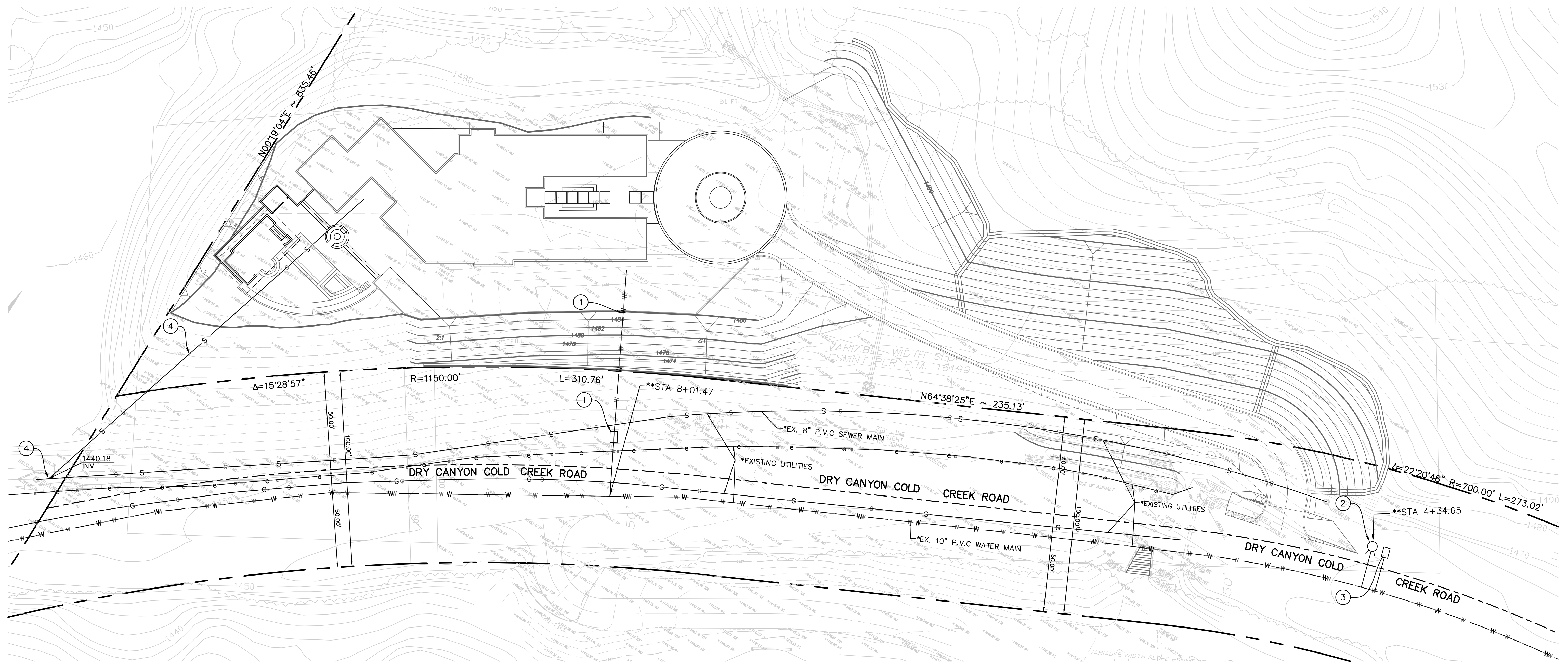
PROJECT ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP.

REVISIONS				
No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE
1.	POOL/POOL AREA & (1) KEYSTONE WALL REMOVED	G.A.		06.24.21



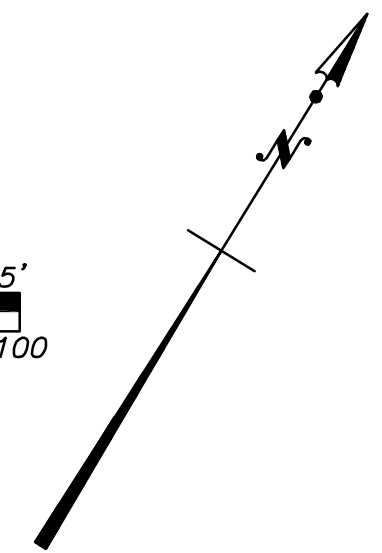
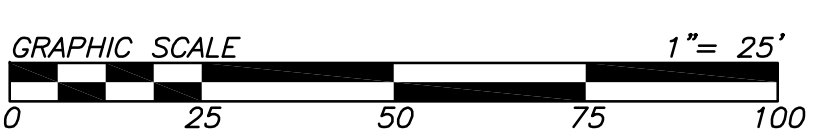






**CONSTRUCTION NOTES**

- ① CONSTRUCT NEW 1" WATER METER SERVICE PER L.V.M.W.P. PW-103 SPECIFICATIONS
  - ② CONSTRUCT NEW FIRE HYDRANT PER L.V.M.W.D. PW-110, PW-127.PW-130 STANDARDS. HOT TAP BY KOPPL MULLER H-304 SS TAPPOING SADDLE
  - ③ CONSTRUCT NEW 1" WATER METER SERVICE FOR LANDSCAPE IRRIGATION PER L.V.M.W.P. PW-103 SPECIFICATIONS. PROVIDE BACKFLOW.
  - ④ CONSTRUCT 6" PVC SEWER LATERAL CONNECTION TO EX. SEWER LINE PER SPPWC STANDARD DETAIL 222-2 TYPE C. LOCATION PER PLAN. INVERT CALLED OUT ON PLAN NEED TO BE VERIFIED IN THE FIELD. VERIFY CONNECTION PER PRIVATE SEWER AGREEMENT.
- \*NOTE:** EXISTING UTILITY LINE LOCATIONS WERE FOUND USING CITY OF CALABASAS SEWER RECORD DRAWING 03-SS-001 PG. 3&4. 2004-CLL-0594
- \*\*NOTE:** STATIONING AND NEW WATER METER AND FIRE HYDRANT INFORMATION PER L.V.M.W.D. WATER IMPROVEMENT PLAN NUMBER 00938-02.



DIAL TOLL FREE  
1-800-422-4133  
AT LEAST TWO DAYS  
BEFORE YOU DIG

UNDERGROUND SERVICE ALERT (USA)  
OF SOUTHERN CALIFORNIA

REVISIONS				
No.	DESCRIPTION	REVISED BY:	APPROVED BY:	DATE

**AS-BUILT DRAWING**

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PROJECT ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP.

REVIEWED BY: WILLDAN ENGINEERING  
IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION:

COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION:

ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

PREPARED BY: MIKE WHITE

FORMA ENGINEERING INC.  
400 SAN FERNANDO MISSION BLVD.  
SAN FERNANDO, CA 91340

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT

100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE: 818.224.1600  
FAX: 818.225.7338  
WWW.CITYOFCALABASAS.COM

**UTILITY SITE PLAN**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_

SHEET NO.  
**C10 of 12**



**EROSION AND SEDIMENT CONTROL PLAN (ESCP) GENERAL NOTES:**

- IN CASE OF EMERGENCY, CALL -
- TOTAL DISTURBED AREA APPROX. 1.52 ACRES (66,211 SF)  
WDD # 4 19C387408
- A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
- EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROCEEDED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
- ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
- A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
- THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
- DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
- STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
- EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORM WATER FROM THE PROJECT SITES AT ALL TIMES.
- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPs ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF-INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
- TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- AS THE ENGINEER/OSD OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS.

CIVIL ENGINEER/OSD SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

21. THE FOLLOWING NOTES MUST BE ON THE PLAN:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE SYSTEM DESIGNED TO ENSURE THAT A QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY LAW.

OWNER AUTHORIZED REPRESENTATIVE (PERMITEE) \_\_\_\_\_ DATE \_\_\_\_\_

22. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPs ARE INSTALLED AND FUNCTIONING PROPERLY AS REQUIRED BY THE STATE CONSTRUCTION GENERAL PERMIT. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL.

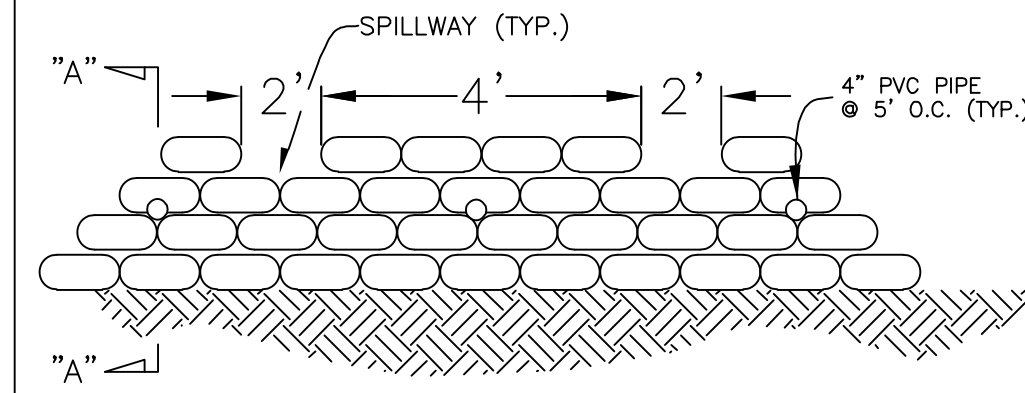
23. THE FOLLOWING BMPs FROM THE 2009 CONSTRUCTION BMP HANDBOOK/PORTAL MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE. AS AN ALTERNATIVE, DETAILS FROM CALTRANS STORMWATER QUALITY HANDBOOKS, CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) MANUAL MAY BE USED. ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.

- EROSION CONTROL**
- EC1 - SCHEDULING
  - EC2 - PRESERVATION OF EXISTING VEGETATION
  - EC3 - HYDRAULIC MULCH
  - EC4 - HYDROSEEDING
  - EC5 - SOIL BINDERS
  - EC6 - STRAW MULCH
  - EC7 - GEOTEXTILES & MATS
  - EC8 - WOOD MULCHING
  - EC9 - EARTH DIKES AND DRAINAGE SWALES
  - EC10 - VELOCITY DISSIPATION DEVICES
  - EC11 - SLOPE DRAINS
  - EC12 - STREAMBANK STABILIZATION
  - EC13 - RESERVED
  - EC14 - COMPOST BLANKETS
  - EC15 - SOIL PREPARATION/ROUGHENING
  - EC16 - NON-VEGETATED STABILIZATION

- TEMPORARY SEDIMENT CONTROL**
- SE1 - SILT FENCE
  - SE2 - SEDIMENT BASIN
  - SE3 - SEDIMENT TRAP
  - SE4 - CHECK DAM
  - SE5 - FIBER ROLLS
  - SE6 - GRAVEL BAG BERM
  - SE7 - STREET SWEEPING AND VACUUMING
  - SE8 - SANDBAG BARRIER
  - SE9 - STRAW BALE BARRIER
  - SE10 - STORM DRAIN INLET PROTECTION
  - SE11 - ACTIVE TREATMENT SYSTEMS
  - SE12 - TEMPORARY SILT DIKE
  - SE13 - COMPOST SOCKS & BERMS
  - SE14 - BIOFILTER BAGS

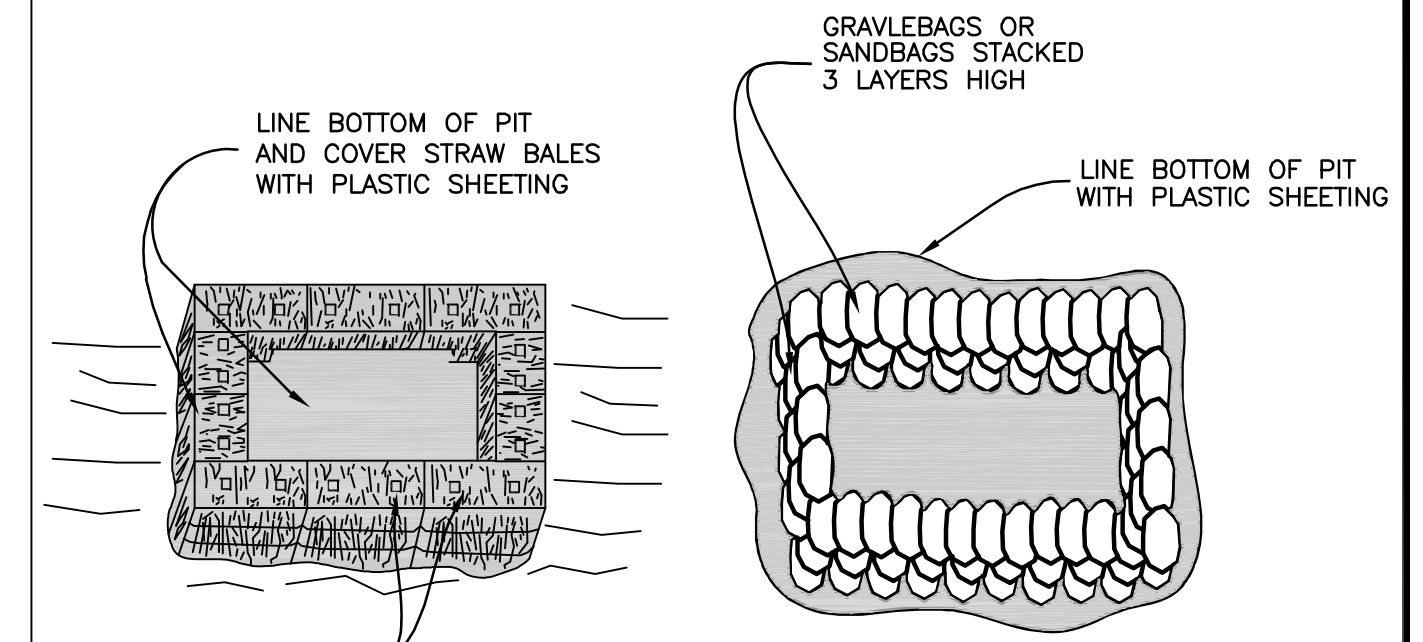
- WIND EROSION CONTROL**
- WE1 - WIND EROSION CONTROL
- TEMPORARY TRACKING CONTROL**
- TC1 - STABILIZED CONSTRUCTION ENTRANCE EXIT
  - TC2 - STABILIZED CONSTRUCTION ROADWAY
  - TC3 - ENTRANCE/OUTLET TIRE WASH
- NON-STORMWATER MANAGEMENT PRACTICES**
- NS1 - WATER CONSERVATION PRACTICES
  - NS2 - DEWATERING OPERATIONS
  - NS3 - PAVING AND GRINDING OPERATIONS
  - NS4 - TEMPORARY STREAM CROSSING
  - NS5 - CLEAR WATER DIVERSION
  - NS6 - ILLICIT CONNECTION/DISCHARGE
  - NS7 - POTABLE WATER/IRRIGATION
  - NS8 - VEHICLE AND EQUIPMENT CLEANING
  - NS9 - VEHICLE AND EQUIPMENT FUELING
  - NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
  - NS11 - FLEET DRIVING OPERATIONS
  - NS12 - CONCRETE CURING
  - NS13 - CONCRETE FINISHING
  - NS14 - MATERIAL AND EQUIPMENT USE
  - NS15 - DEMOLITION ADJACENT TO WATER
  - NS16 - TEMPORARY BATCH PLANTS

- WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL SYSTEMS**
- WM1 - MATERIAL DELIVERY AND STORAGE
  - WM2 - MATERIAL USE
  - WM3 - STOCKPILE MANAGEMENT
  - WM4 - SPILL PREVENTION AND CONTROL
  - WM5 - SOLID WASTE MANAGEMENT
  - WM6 - HAZARDOUS WASTE MANAGEMENT
  - WM7 - CONTAMINATION SOIL MANAGEMENT
  - WM8 - CONCRETE WASTE MANAGEMENT
  - WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
  - WM10 - LIQUID WASTE MANAGEMENT



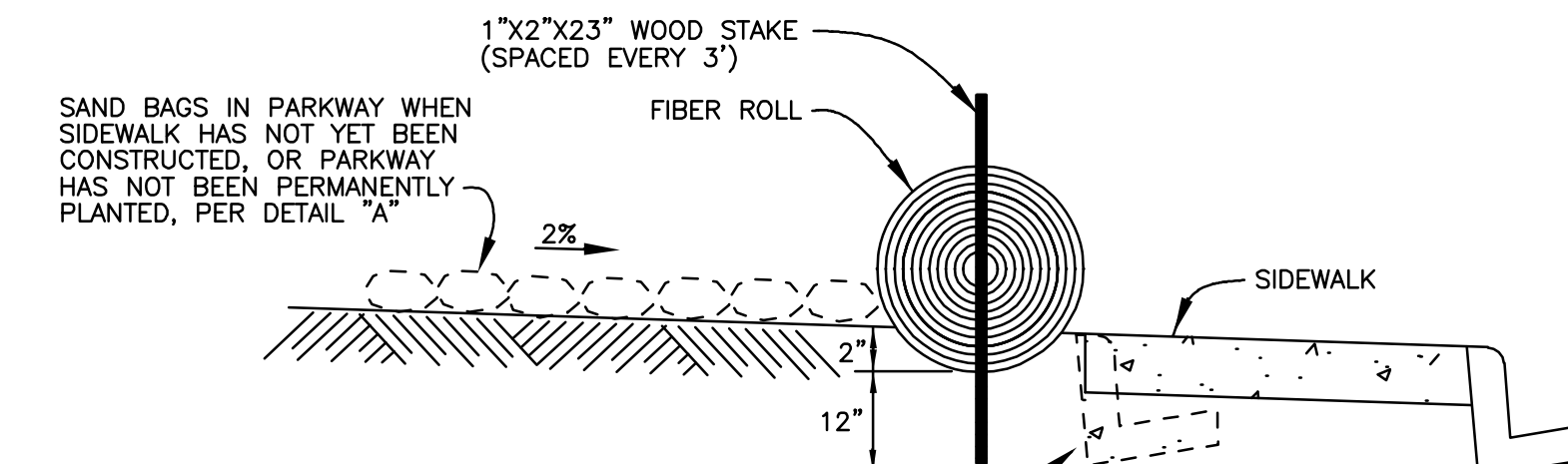
**DETAIL "G"  
CHECK DAM DETAIL (SE-4)**  
NTS

NOTES:  
1. HEIGHT OF CHECK DAM SHALL NOT EXCEED 3 FEET.  
2. NUMBER OF CHECK DAM ROWS SHALL EQUAL NUMBER OF BAGS STACKED TO SPILLWAY MINUS ONE BAG, BUT SHALL NOT BE LESS THAN 2 ROWS WIDE.



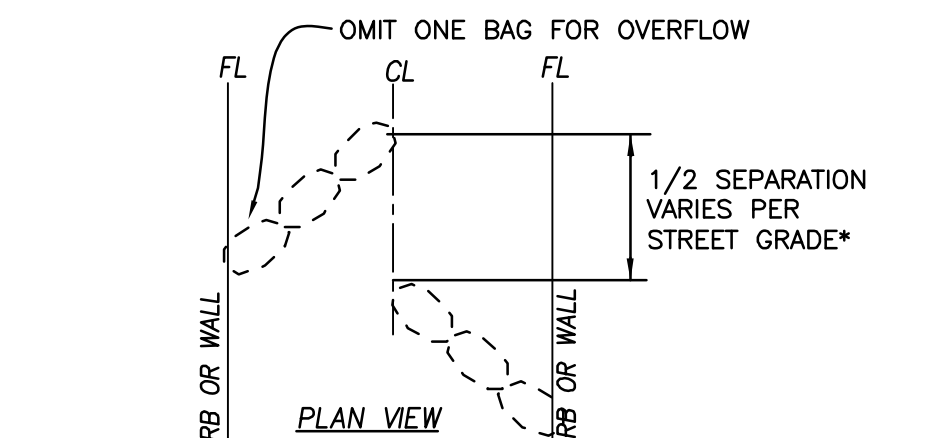
**DETAIL "C"  
CONCRETE WASH-OUT PITS**  
NTS

AT LEAST TWO WASH-OUTS SHALL BE CONSTRUCTED; ONE FOR CONCRETE WASTE ONLY AND OTHERS MAY SERVE AS MISCELLANEOUS WASHOUT PITS FOR DRYWALL, PAINTS, ETC. EXACT LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT, BUT SHALL BE AWAY FROM CATCH BASINS.



**DETAIL "H"  
FIBER ROLL INSTALLATION**  
NTS

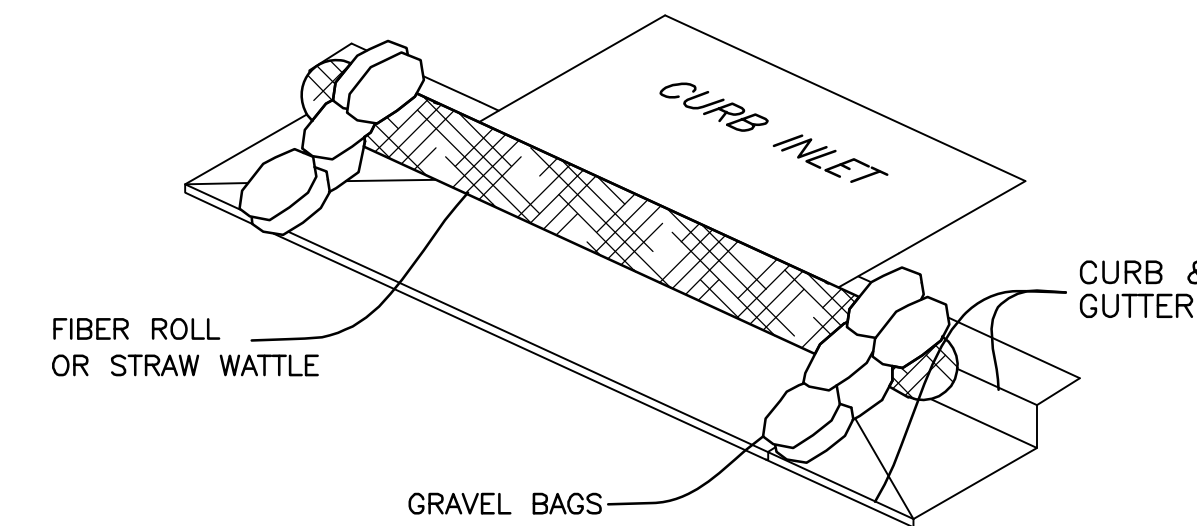
INSTALL BEHIND CURB WHEN SIDEWALK HAS NOT BEEN CONSTRUCTED ACROSS CURB DEPRESSION IF GRADE IS LOWER THAN TOP OF CURB.



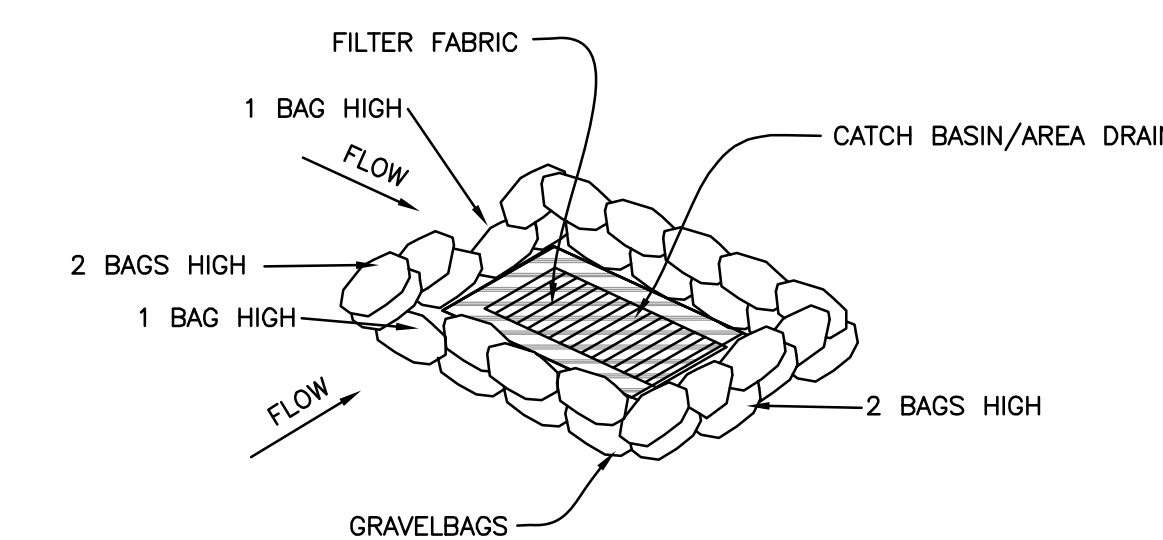
**DETAIL "F"  
VELOCITY CHECK DAMS**  
NTS

\*PROVIDE STANDARD "VELOCITY CHECK DAMS" IN ALL UNPAVED GRADED CHANNELS OR STREETS AT THE INTERVALS INDICATED

GRADE OF THE STREET/DRIVELANE	INTERVAL
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET



**ALTERNATIVE 1**



**ALTERNATIVE 2**

**DETAIL "D"  
STORM DRAIN INLET PROTECTION**  
NTS

**AS-BUILT DRAWING**

I HEREBY CERTIFY THAT THE WORK SHOWN HEREON, MARKED AS 'AS-BUILT', HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.

PROJECT ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP. \_\_\_\_\_

REVIEWED BY WILLDAN ENGINEERING IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION:

COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION:

ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

PREPARED BY: MIKE WHITE

FORMA ENGINEERING INC.  
400 SAN FERNANDO MISSION BLVD.  
SAN FERNANDO, CA 91340

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

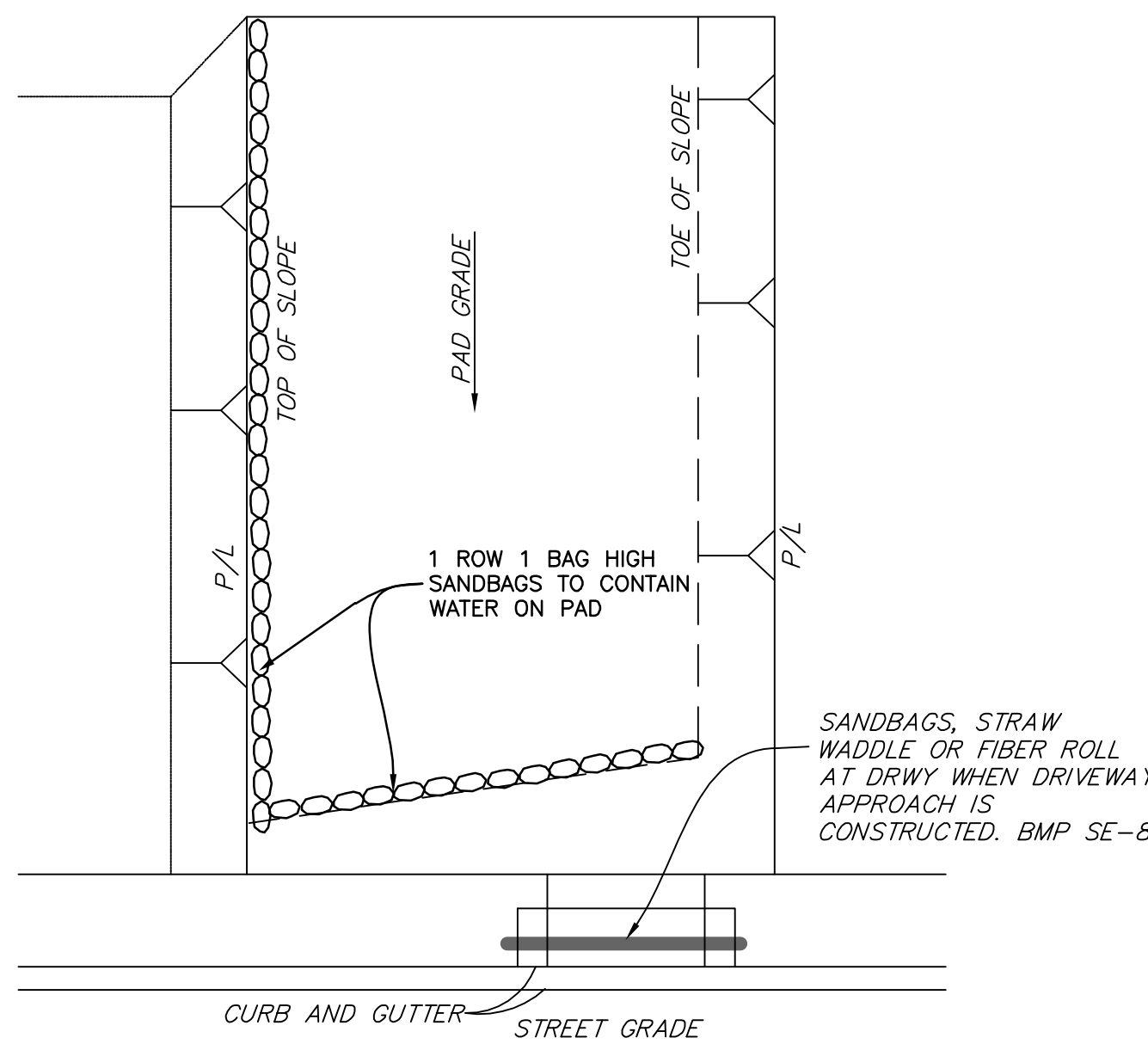
**CITY of CALABASAS**  
PUBLIC WORKS DEPARTMENT  
100 CIVIC CENTER WAY  
CALABASAS, CA 91302  
PHONE 818.224.1660  
FAX 818.225.7338  
WWW.CITYOFCALABASAS.COM

**EROSION CONTROL DETAILS**

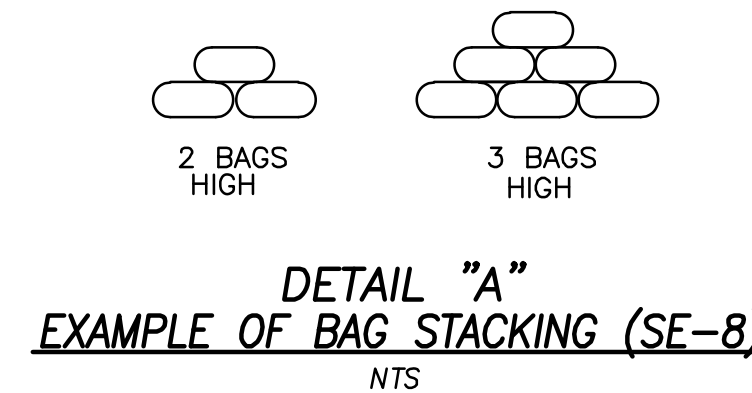
24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

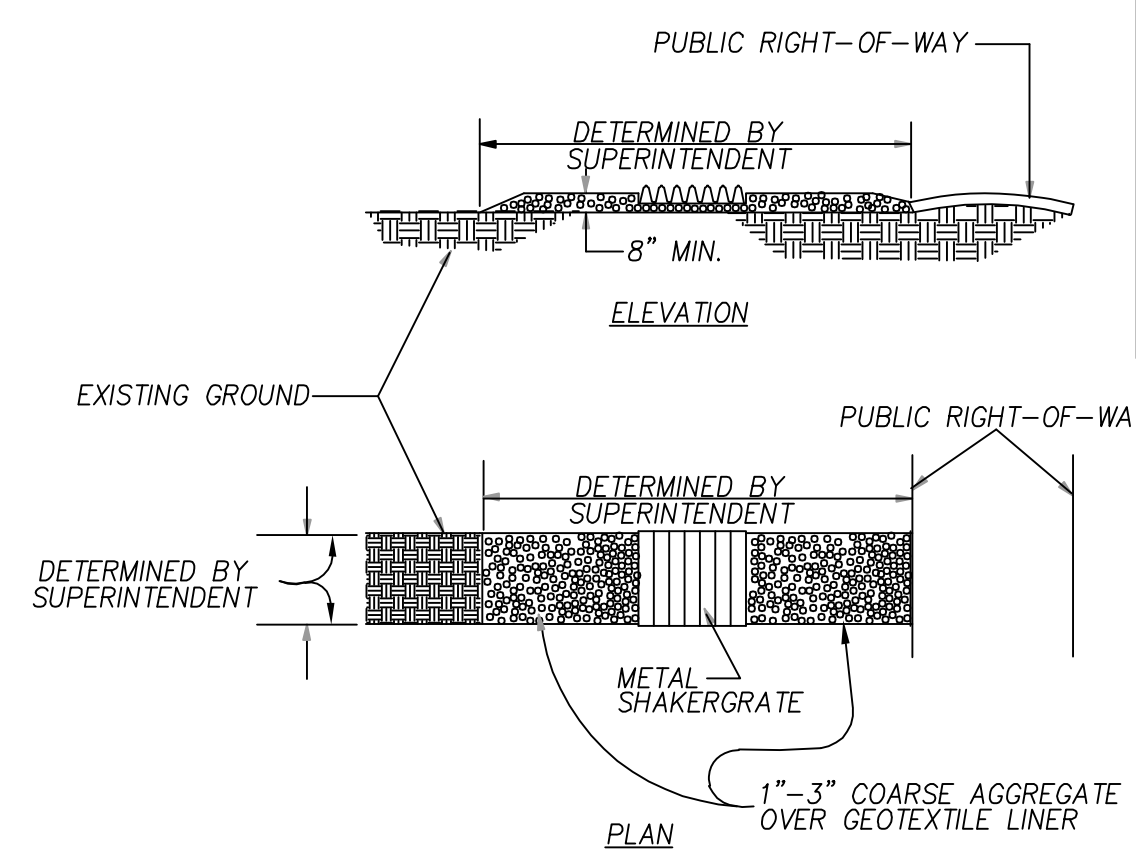
DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
SHEET NO. C11 of 12



**DETAIL "B"  
TYPICAL PAD EROSION CONTROL**  
NTS

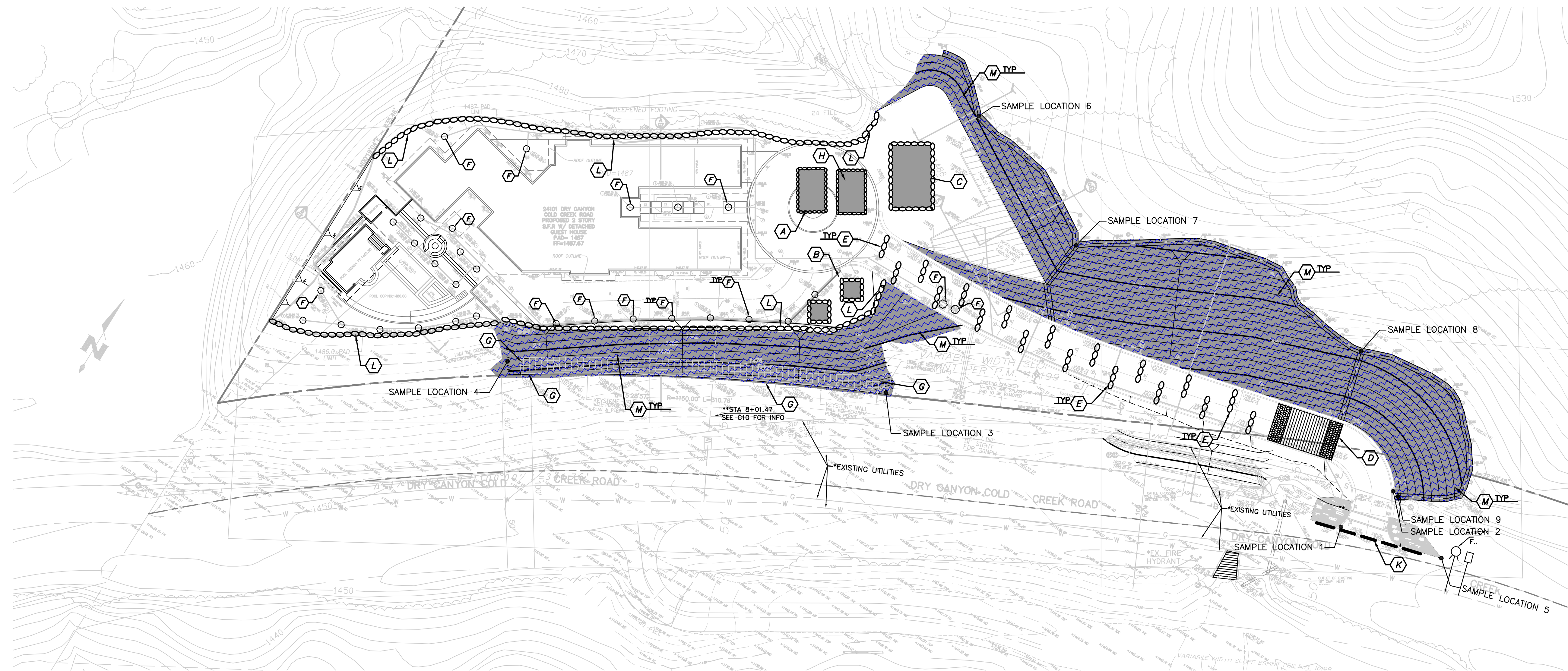


**DETAIL "A"  
EXAMPLE OF BAG STACKING (SE-8)**  
NTS



**DETAIL "E"  
STABILIZED CONSTRUCTION ENTRANCE**  
NTS





**CONSTRUCTION NOTES:**

- (A) CONSTRUCT VEHICLE STORAGE AND SERVICE AREA. SURROUND AREA WITH GRAVEL BAGS. EXACT LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT.
- (B) CONSTRUCT CONCRETE WASHOUT PIT PER DETAIL "C" ON EC1. EXACT LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT.
- (C) CONSTRUCT TEMPORARY STOCKPILE AREA. COVER ALL POTENTIAL POLLUTANTS DURING RAIN EVENTS AND SURROUND AREA WITH GRAVEL BAGS. EXACT LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT.
- (D) CONSTRUCT STABILIZING CONSTRUCTION ENTRANCE/EXIT PER TC-1. LOCATION AND SIZE TO BE DETERMINED BY SUPERINTENDENT DURING CONSTRUCTION. SEE DETAIL "E" ON SHEET EC1.
- (E) CONSTRUCT CHECK DAMS PER DETAIL "F" AND "G" ON EC1. EXACT LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT.
- (F) CONSTRUCT INLET PROTECTION MEASURES FOR ALL STORM DRAINS ON SITE OR DOWNSTREAM OF SITE PER SE-10, SEE DETAIL "D" ON EC1.
- (G) RETAINING WALLS, SLOUGH WALLS, FENCES, AND CURBS TO ACT AS BARRIERS WHEN CONSTRUCTED. PRIOR TO CONSTRUCTION, PLACE STRAW WADDLE PER DETAIL HEREON OR 1 ROW, 2 BAGS HIGH SAND OR GRAVEL BAGS; SEE DETAIL "A" ON EC1.
- (H) CONSTRUCT MATERIAL STORAGE AREA. COVER ALL POTENTIAL POLLUTANTS DURING RAIN EVENTS AND SURROUND AREA WITH GRAVEL BAGS. EXACT LOCATION TO BE DETERMINED BY SITE SUPERINTENDENT.
- (J) CONSTRUCT 1 ROW, 2 BAGS HIGH SAND OR GRAVEL BAGS. SEE DETAIL "A" ON EC1.
- (K) INSTALL SANDBAGS, STRAW WADDLE OR FIBER ROLL AT ENTRANCES. FOR FIBER ROLL INSTALLATION SEE DETAIL "H" ON SHEET EC1
- (L) INSTALL SANDBAGS PER DETAIL "B", TYPICAL PAD EROSION CONTROL DETAIL, ON EC1.
- (M) PROVIDE SLOPE PROTECTION FOR SLOPES 3' AND HIGHER. INSTALL VISQUEEN SHEETING, JUTE NETTING, APPLY HYDROSEED MIX, OR APPROVED EQUAL AS TEMPORARY EROSION CONTROL MEASURE UNTIL PERMANENT LANDSCAPING IS IN PLACE. FOLLOW INSTALLATION GUIDELINES LISTED IN EC-3, EC-4, AND EC-7.
- (O) MAINTAIN EXISTING SLOPE DRAINAGE AND VEGETATION. SHOULD VEGETATION NEED TO BE REMOVED REESTABLISH NEW VEGETATION AS SOON AS POSSIBLE AND IN THE MEAN TIME IMPLEMENT SLOPE STABILIZATION BMP SUCH AS JUTE NETTING OR A FIBER MULCH BINDER PER CA BMP EC-3, EC-4, EC-6, OR EC-7.

**AS-BUILT DRAWING**

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PROJECT ENGINEER'S NAME \_\_\_\_\_ CITY LAND DEVELOPMENT REP. \_\_\_\_\_

REVIEWED BY WILLDAN ENGINEERING  
IN ACCORDANCE WITH CITY POLICIES AND CONDITIONS  
OF APPROVAL.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

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COMMUNITY DEVELOPMENT DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

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ROBERT YALDA, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR DATE \_\_\_\_\_

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**EROSION CONTROL PLAN**

24101 DRY CANYON COLD CREEK ROAD  
PARCEL 1 MAP# 61302  
APN 4455-006-035

PREPARED FOR:  
**STEPHEN ROSS**  
23945 CALABASAS RD. SUITE 116  
CALABASAS, CA 91302

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
SHEET NO.  
C12 of 12