



# CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT PURCHASING DEPARTMENT

January 23, 2024

## Addendum No. 2

### REQUEST FOR PROPOSAL BID: B23/24-06 Erosion Control Project at Las Positas College

To: All Prospective Bidders

This Addendum Two (2) is issued to incorporate the following changes, additions or deletions to the Bid No. B23/24-06. Any modifications/changes made by this addendum affect only the portions or paragraphs specifically identified herein; all remaining portions of Bid B23/24-06 to remain in force. It is the responsibility of all responders to conform to this addendum.

#### A. ADDITIONS, CHANGES AND/OR CLARIFICATIONS:

The following Changes have been Added and / or Changed to the Bid Documents:

- 1. Statement of Bidder's Qualifications, Article 3 Experience:** Add Section 3.4 to Article 3 - On a separate attachment but included with the bid submission, provide experience completing at least one (1) community college campus project of similar size, scope and complexity to this project in the last five (5) years. As part of their bid submission, bidders must provide details on their community college campus project experience including project name, location, contract value, description of work performed, and a community college contact reference that shall include the individual's name, current phone number, current email address, and professional title.
- 2. Bid Proposal, Article 1 Bid Proposal, Unit Costs:** The Unit Costs Table on Page 29 contains the words "Restricted" which shall be replaced with "Unsuitable"
- 3. Bid Proposal, Article 1 Bid Proposal, Section 1.1 Bid Proposal Amount:** Section 1.1 Bid Proposal Amount shall be revised to reflect Line 3 of Table Above and strike "Line 6 of Table Above".

4. **Special Conditions, Article 3 Contract Time, Liquidated Damages, Section 3.1 Contract Time:** The Contract Time for the Contractor's Final Completion of the Work is Sixty (60) Calendar Days after the commencement of the Work as set forth in the Notice to Proceed issued on behalf of the District to the Contractor.
  
5. **Special Conditions, Article 3 Contract Time, Liquidated Damages, Section 3.3 Delays due to Unanticipated, Unusually Severe Weather Conditions:**  
See the revised Weather Day Per Month Table below –

Weather Days Per Month				
January:	0			
February:	2			
March:	4			
April:	4			

6. **Special Conditions, Article 17 Additional Definitions, Section 17.5 Rain Days:** Allowable Rain Days are ten (10) days.
  
7. **Additional information regarding Site Access and Dirt Tracking Control:**

Site access is required to be coordinated with the District. This access shall take into consideration the project vehicle and equipment wash stations, the equipment loading zones and site access roads. Regular sweeping, dirt tracking management, and maintenance must be performed to maintain the paved and / or hardscaped access area(s) to a mud, dirt and dust free condition and this shall require utilization of street sweeper on a daily basis. SWPPP controls are to be performed and managed by the bidder per Section 4. - Storm Water Permits under Special Conditions on Page 126. Please see below for a draft of the District's preferred access route to the worksite. The finalized access route including all SWPPP requirements shall be discussed and coordinated with the Contractor and District at the time of award.



8. **Sheet C3.0 – Grading and Drainage Plan:** Revised call out notes for SD Inlet #2 and SD Outfall #2. Revised Sheet Note 1 under Storm Drainage Notes.
9. **Sheet C3.1 – Rough Grading Plan:** Enlarged Add Alternate call out note. Revised Add Alternate Description Sheet Note states “Coordination is required with Viticulture Building Project for regrading of area to provide positive drainage towards proposed drainage inlet”.
10. **Sheet C5.0 – Sediment and Erosion Control Plan:** Revised indicator for the Hydroseed areas as to not conflict with indicator for road areas.
11. **Sheet C5.1 – Sediment and Erosion Control Plan:** Revised indicator for the Hydroseed areas as to not conflict with indicator for road areas.

**B. RFI QUESTIONS AND RESPONSES:**

**Question No. 1:** Paragraph 3.1 in the Special Conditions states "The Contract Time for the Contractor's Final Completion of the Work is Fifty-Six (60) Calendar days after the date for commencement of the Work as set forth in the Notice to Proceed issued by or on behalf of the District to the Contractor. The anticipated NTP date of Feb 22, 2024. All work must be complete by April 22, 2024." Please confirm that the completion time is sixty (not fifty-six) calendar days and that the April 22, 2024 date is only relative to Feb 22, 2024 (i.e., if NTP is later than Feb 22, 2024 the work must be complete once the time of

completion runs out, not the specific date of April 22.

**RESPONSE:** See section A.4 above for response.

**Question No. 2:** Please confirm if rain days should be 10 calendar days or 11 calendar days.

**RESPONSE:** See section A.5 and A.6 above for revised calendar days.

**Question No. 3:** Two control points are provided on Sheet C2.0. Are three additional control points available for Contractor to use?

**RESPONSE:** Three (3) control points are provided in the survey control table on sheet C0.0, two (2) of which are used in the basis of bearing on sheet C2.0. CAD file can be provided with all 3 control points upon awarding of contract.

**Question No. 4:** During the bid walk, it was observed that the existing gravel pathways are predominantly dirt roadways. Please confirm if limits of gravel road section shown on Sheet C2.0 should be reconstructed using 6" Class II AB as shown on Detail 3, Sheet C4.0 or whether it is acceptable to use existing onsite soil for restoration. If 6" Class II AB is required, it is assumed that the area of roadway requiring the AB are to the limits shown on Sheet C2.0.

**RESPONSE:** The limits of the gravel road section shown on C2.0 should be reconstructed using 6" class II AB. New AB gravel road is limited to the extents shown per plan.

**Question No. 5:** Please confirm if Contractor or District are to provide Geotechnical testing and field compaction testing.

**RESPONSE:** It shall be noted that the District will provide Geotechnical compaction curve testing and field compaction testing.

**Question No. 6:** Please confirm if the Storm Water Pollution Prevention Plan is a submittal that the Contractor must prepare and submit per Specification Section 31 22 00 Earthwork and Grading, Paragraph 1.3.G.

**RESPONSE:** Contractor is not required to provide a Storm Water Pollution Prevention Plan but will be required to follow the project SWPPP and provide updates to the Erosion Control Plan if required by the SWPPP.

**Question No. 7:** Please confirm if Contractor encounters groundwater at the bottom of the hill during outfall and/or riprap installation that Contractor must dewater the excavation in accordance with Specification Section 31 22 00 Earthwork and Grading, Paragraph 3.4 Dewatering. Will payment be handled as an allowance or must Contractor account for this in the lump sum base scope of work pricing?

**RESPONSE:** Confirmed, if groundwater is encountered, the Contractor must dewater the excavation per specifications. Contractor to account for this in the lump sum base scope of work pricing.

**Question No. 8:** Please confirm the location of the on-site disposal site for on-site soil that is not suitable for reuse such that the Contractor may determine haul times for the purposes of bidding the unit cost.

**RESPONSE:** The on-site disposal site is northeast of the Horticulture Building. See the image below for reference.



**Question No. 9:** Please confirm based on the statement "No trench shall be left open at the end of the day," (Spec Section 31 23 33 Trenching, Backfilling, and Compacting, Paragraph 3.5.D) that the Contractor must only excavate, install pipe, and backfill to grade in a given day.

**RESPONSE:** The project is not required to comply with the statement "No trench shall be left open at the end of the day". The project site is required to be completely enclosed with chain link fencing to keep students and the public out of the area. Please note that the contractor is required to address any wildlife and or any damage incurred by wildlife that may become contained within an open trench at its own expense.

**Question No. 10:** The plan do not indicate that the CLSM trench dam or Outfalls are to be constructed as headwalls in conformance with Caltrans are to be constructed as headwalls in conformance with Caltrans headwalls to be constructed in accordance with Specification Section 33 40 00 Storm Drainage, Paragraph 2.5.A. If required, please provide additional details.

**RESPONSE:** There are no headwalls required in the project. There are 2 CLSM trench dams in the project at station 10+86 and 11+82. See detail 2, sheet C4.0 for CLSM trench dam detail.

**Question No. 11:** Per Drawing Sheet C5.0, please confirm if any area is amended soil that would require offsite disposal of all stormwater per Note L.

**RESPONSE:** There's no existing amended soil within the project site.

**Question No. 12:** Is there a water source that can be used for plant establishment as it is highly likely that hydroseeding will occur outside of the rainy season thereby triggering the need for Contractor to provide irrigation per manufacturer recommendations (note 2 on both Sheet C5.0 and C5.1)?

**RESPONSE:** It shall be noted that the only sources for water are the reclaimed fire hydrants throughout campus. See below map for reference locations marked in purple near the project site. Contractor is required to obtain and use meters for water use prior to obtaining any water for construction activities.



**Question No. 13:** The plans show 24" HDPE Type S pipe and fittings for the upper run of storm drain but there is some confusion on what the second run is made of. The flared ends are called out as ADS but the pipe is called out as RCP on sheet C3.0. Note 1 on sheet C3.0 says all pipe materials and fittings to be HDPE M294 Type S. Detail 4 on sheet C4.0 calls the pipe 24" SD. The storm drain piping spec says HDPE is acceptable for non-vehicular areas ONLY. Please clarify if the 24" pipe under the lower road/pathway is HDPE or RCP?

**RESPONSE:** The pipe under the lower gravel road is RCP to accommodate vehicular loading. See section A.8 above for clarity.

**Question No. 14:** What is the engineer's estimate for the Erosion Control Project?

**RESPONSE:** It shall be noted that the Engineer's Estimate for the project is \$800,000.

**Question No. 15:** Is it possible to get the license requirements added to or changed? We hold a C-12 license in excavation and this work falls right in line with what that license allows us to do.

**RESPONSE:** It shall be noted that the addition of a C-12 License will not be added.

**Question No. 16:** 3.1, Contract Time, in words it is written Fifty-six. In Numerals it is (60). Please clarify.

**RESPONSE:** See above response to Question No. 1.

**Question No. 17:** 3.1, Last sentence, "All work must be complete by April 22, 2024. Yet in 3.3, Weather Days include May & June. Please clarify.

**RESPONSE:** See Section A.5 above for the revised table.

**Question No. 18:** 1.1, A., item 5 Soil Sterilant and item 6, Termiticide. Please confirm these do no apply.

**RESPONSE:** Confirmed.

**Question No. 19:** What classification of waste are we to assume for Unit Price #2, "Restricted"? CI2 ADC? CI2 Bury? CI1 non-RCRA? CI1 RCRA?

**RESPONSE:** See Section A.2 above and attached Bid Proposal – Revised Addendum 2.

**Question No. 20:** At the Pre-bid walk this morning it was mentioned that should the site be short material, we could figure to borrow material from the Campus stockpile located NE of the Project limits. Please confirm this is available for GC use. If this material is made available, will GC need to provide test reports as outlined in 31 22 00? Will GC need to provide test reports for native soils?

**RESPONSE:** The stockpile to the NE of the project limits is available for fill material. If stockpile is used, contractor to provide District with proposed sequence of work for coordination of testing by the District. The Native soils will need to be tested for compaction curve.

**Question No. 21:** The Bid Proposal indicates per CY for Off Haul of Restricted Spoils (Unit Costs #2). These spoils will be disposed of at landfills where a scale tag will be issued by the landfill. The GC will be required to pay the landfill on a per ton basis. Can the Bid Proposal be changed to reflect this item on a per ton basis?



**RESPONSE:** See Section A.2 above and attached Bid Proposal – Revised Addendum 2.

**Question No. 22:** The shading for hydroseed areas is a "+" sign. In my opinion, there are 3 different styles of "+" on these sheets. Two of which cover the gravel roads we are to install per the plans. Can you please clarify the actual areas to be hydroseeded?

**RESPONSE:** Gravel roads are not intended to be hydroseeded. See revised sheets C5.0 and C5.1 attached to this addenda 2.

**Question No. 23:** Can you tell me if there is a Project Labor Agreement on EROSION CONTROL PROJECT AT LAS POSITAS COLLEGE Project or can Non-Union Contractors perform work and bid?

**RESPONSE:** There is no Project Labor Agreement for the Erosion Control Project. Prevailing Wage Requirements are in affect.

**Question No. 24:** If available if there a Engineers Estimate we can use for obtaining our Bid Bond?

**RESPONSE:** See response to Question No. 14 above.

**Question No. 25:** Bid Proposal Amount. What amount goes on the line at the bottom of page 29? At top of page 30, (Line 6 of Table above)

**RESPONSE:** See Section A.3 above and attached Bid Proposal – Revised Addendum 2.

**Question No. 26:** Lime Treatment of Borrow Fill Is lime treating required for this project? If so, what percentage is required?

**RESPONSE:** Lime treatment is not required but can be used at the contractor's discretion per the Geotechnical Report. Refer to Geological Report for exact percentages.

**Question No. 27:** Please define "Restricted Soils" as it appears on the Bid Schedule. There are Class II, Class I Non-RCRA, Class I RCRA Contaminated soils?

**RESPONSE:** See Section A.2 above and attached Bid Proposal – Revised

Addendum 2.

**Question No. 28:** Please provide more information for the SD inlet #2 and outfall #2. Are these supposed to be metal Flared End Sections or precast?

**RESPONSE:** Per Revised Sheet C3.0 included in addendum 2, inlet #2 and outfall #2 shall be J&J Galvanized Steel Flared End Section with Smooth Tapered Sleeve Adapter or approved equivalent.

**Question No. 29:** Is the intent of the grading plan to balance the site?

**RESPONSE:** Correct. Per Note #3 on Sheet C3.0, the intent is to balance site grading in the final condition.

**Question No. 30:** Is Soil Sterilant required? If so, please specify location(s)

**RESPONSE:** See response to Question No. 18 above.

**Question No. 31:** Is termiticide required? If so, please specify location(s)

**RESPONSE:** See response to Question No. 18 above.

**Question No. 32:** Is it the District's intent to Strip 10" of Topsoil prior to grading, and replace it after?

**RESPONSE:** It is not the District's intent to strip 10" of topsoil prior to grading and replace it after. Replacement of existing topsoil is not required as part of this project.

**Question No. 33:** I am inquiring as to the Bid Form for the above named project. I didn't find one in the Spec Book or as a separate item on line. Do we just use our own?

**RESPONSE:** The Bid and Contract Documents are available at the District's website at: <http://districtazure.clpccd.org/business/purchasing.php> under B23/24-06, EROSION CONTROL PROJECT AT LAS POSITAS COLLEGE.

**Question No. 34:** S&H Construction is interested of bidding this job as General.Prior to attending the bid walk, would you mind to provide us a

Engineer's estimate for this project?

**RESPONSE:** See response to Question No. 14 above.

**C. Attachments:**

**1. Drawings:**

- C3.0 – Grading and Drainage Plan
- C3.1 – Rough Grading Plan
- C5.0 – Sediment Erosion Control Plan
- C5.1 – Sediment Erosion Control Plan

**2. Bid Proposal**

- Bid Proposal – Revised Addendum 2

***All other terms and conditions remain unchanged.***

# BID PROPOSAL - REVISED

## ADDENDA 02

TO: **CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT**, a California Community College District, acting by and through its Board of Trustees (“the District”).

FROM:

\_\_\_\_\_

(Name of Bidder)

\_\_\_\_\_

(Address)

\_\_\_\_\_

(City, State, Zip Code)

\_\_\_\_\_

(Telephone/Fax)

\_\_\_\_\_

(E-Mail Address of Bidder’s Representative(s))

\_\_\_\_\_

(Name(s) of Bidder’s Authorized Representative(s))

### 1. Bid Proposal

1.	Base Bid	\$
2.	Owner’s Non-Specified Allowance	\$ 80,000
3.	<b>Total Bid Amount (Sum of Lines 1 + 2)</b>	\$
4.	Add/Alt 01 – Area affected by Viticulture project	\$

#### Unit Costs:

1.	Off Haul Clean Unrestricted Spoils.	\$	/cuyd
2.	Off Haul <b>Unsuitable</b> Spoils	\$	/cuyd
3.	Import Unrestricted Soil	\$	/cuyd
4.	Grading (Native Soil Within Scope Footprint)	\$	/acre

**1.1 Bid Proposal Amount.** The undersigned Bidder proposes and agrees to perform the Contract including, without limitation, providing and furnishing any and all of the labor, materials, tools, equipment and services necessary to complete in a workmanlike manner all of the Work and other obligations required by the Contract Documents for the sum of

Dollars (\$ \_\_\_\_\_) (Line 3 of Table above). The Bidder confirms that it has checked all of the above figures and understands that neither the District nor any of its agents, employees or representatives shall be responsible for any errors or omissions on the part of the undersigned Bidder in preparing and submitting this Bid Proposal. The Bidder confirms that the bid proposal includes the Owner's Non-Specified Allowance in the amount of Eighty Thousand Dollars and No Cents (\$80,000.00).

**1.2 Owner's Non-Specified Allowance.** Bidder shall include in Bid Proposal the stipulated sum of Eighty Thousand Dollars and No Cents (\$80,000.00) for non-specified work to be performed ONLY at the determination and direction of the District. Work performed at the determination and direction of the District under this Allowance shall be documented by Contractor and submitted to Construction Manager per the requirements specified in Article 9 of the General Conditions. Contractor shall include a separate line item in Contractor's Schedule of Values as "Allowance" with the value of Eighty Thousand Dollars and No Cents (\$80,000.00). At closeout of Contract, any funds remaining in the Allowance shall be credited to Owner through a Change Order.

**1.3 Acknowledgment of Bid Addenda.** The Bidder confirms that this Bid Proposal incorporates and is inclusive of, all items or other matters contained in Bid Addenda issued by or on behalf of the District.

\_\_\_\_\_ **Addenda Nos.** \_\_\_\_\_ received, acknowledged  
(initial) and incorporated into this Bid Proposal.

**2. Documents Accompanying Bid.** The Bidder has submitted with this Bid Proposal the following: (a) Bid Security; (b) Subcontractors List; (c) Statement of Qualifications; (d) Certification of Pre-Bid Site Visit; (e) Non-Collusion Affidavit; and (f) Public Works Contractor Registration Certification Form. The Bidder acknowledges that if this Bid Proposal and the foregoing documents are not fully in compliance with applicable requirements set forth in the Call for Bids, the Instructions for Bidders and in each of the foregoing documents, the Bid Proposal may be rejected as non-responsive.

**3. Award of Contract.** If the Bidder submitting this Bid Proposal is awarded the Contract, the undersigned will execute and deliver to the District the Contract in the form attached hereto within ten (10) days after notification of award of the Contract. Concurrently with delivery of the executed Agreement to the District, the Bidder awarded the Contract shall deliver to the District: (a) Certificates of Insurance evidencing all insurance coverages required under the Contract Documents; (b) the Performance Bond; (c) the Labor and Material Payment Bond; (d) the Certificate of Workers' Compensation Insurance; and (e) the Drug-Free Workplace Certificate. Failure of the Bidder awarded the Contract to strictly comply with the preceding may result in the District's rescission of the award of the Contract and/or forfeiture of the Bidder's Bid Security. In such event, the District may, in its sole and exclusive discretion elect to award the Contract to the responsible Bidder submitting the next lowest Bid Proposal, or to reject all Bid Proposals.

**4. Contractor's License.** The undersigned Bidder is currently and duly licensed in accordance with the California Contractors License Law, California Business & Professions Code §§7000 et seq., under the following classification(s) \_\_\_\_\_ bearing

License Number(s) \_\_\_\_\_, with expiration date(s) of \_\_\_\_\_. The Bidder certifies that: (a) it is duly licensed, in the necessary class(es), for performing the Work of the Contract Documents; (b) that such license shall be in full force and effect throughout the duration of the performance of the Work under the Contract Documents; and (c) that all Subcontractors providing or performing any portion of the Work shall be so properly licensed to perform or provide such portion of the Work.

**5. Acknowledgment and Confirmation.** The undersigned Bidder acknowledges its receipt, review and understanding of the Drawings, the Specifications and other Contract Documents pertaining to the proposed Work. The undersigned Bidder certifies that the Contract Documents are, in its opinion, adequate, feasible and complete for providing, performing and constructing the Work in a sound and suitable manner for the use specified and intended by the Contract Documents. The undersigned Bidder certifies that it has, or has available, all necessary equipment, personnel, materials, facilities and technical and financial ability to complete the Work for the amount bid herein within the Contract Time and in accordance with the Contract Documents.

By: \_\_\_\_\_

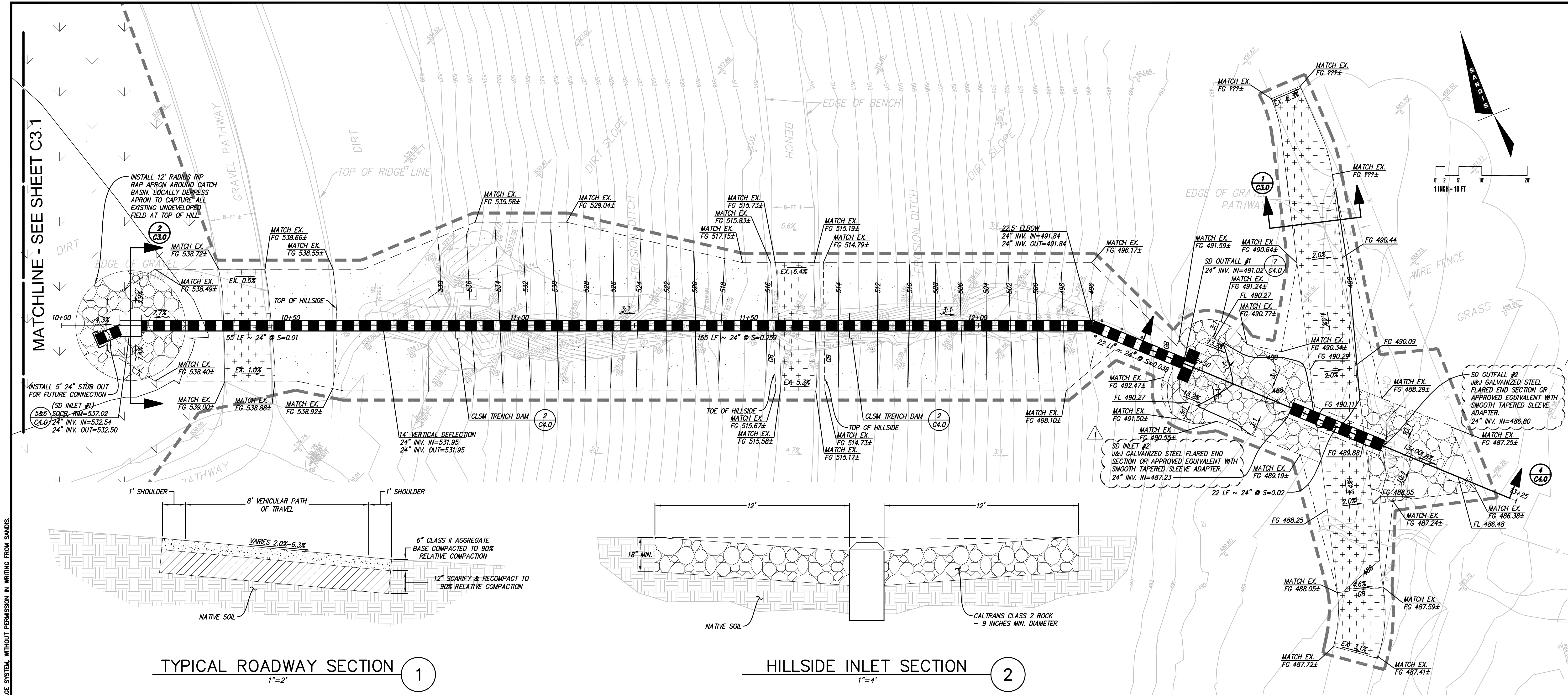
(Signature)

(Corporate Seal)

\_\_\_\_\_  
(Typed or Printed Name)

Title: \_\_\_\_\_

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### LEGEND

- APPROXIMATE LIMIT OF WORK
- - - EXTENT OF TRENCH
- BACKFILL/HILLSIDE RESTORATION
- STORM DRAIN PIPE (HDPE TYPE S)
- GRAVEL ROAD
- TRENCH BACKFILL/HILLSIDE RESTORATION
- RIP RAP

- ### EARTHWORK NOTES
- OVER EXCAVATE ERODED CHANNEL AND CONSTRUCT BENCH CONDITION PER DETAIL 1 ON SHEET C4.0. BACKFILL WITH APPROVED ON-SITE MATERIAL IN LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. TILL SECTIONS GREATER THAN 5 FEET IN DEPTH SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION.
  - FILL MATERIAL SHALL BE FREE OF ROCKS OR LUMPS IN EXCESS OF 6 INCHES IN DIAMETER, TRASH, DEBRIS, VEGETATION OR OTHER DELETERIOUS MATERIAL. SHALL CONTAIN LESS THAN 3 PERCENT ORGANIC CONTENT BY DRY WEIGHT.
  - THE PROJECT IS A BALANCED CONDITION AND THE FILL MATERIAL SHALL BE SOURCED FROM CUT GENERATED FROM ROUGH GRADING EFFORT SHOWN ON SHEET C3.1. CONTRACTOR SHALL SAMPLE STOCK PILE MATERIAL PRIOR USE TO CONFIRM SUITABILITY.
  - ANY MATERIAL EXCAVATED BY THE PROJECT WHICH IS UNSUITABLE FOR USE AS FILL SHALL BE DISPOSED OF ON-SITE. CONTRACTOR TO COORDINATE WITH DISTRICT REPRESENTATIVE FOR SPECIFIC LOCATION.
  - FIELD QUALITY CONTROL TO BE DONE BY FIELD OBSERVATIONS AND IN-PLACE DENSITY TEST PERFORMED BY THE DISTRICT'S TESTING AGENCY. FIELD TEST SHALL BE AT FREQUENCY NO LESS THAN EVERY LIFT AND EVERY 100 CUBIC YARDS PLACED. CONTRACTOR TO PROVIDE PROPOSED SOURCE OF WORK TO THE DISTRICT'S REPRESENTATIVE FOR COORDINATION OF FIELD TESTING.
  - WHEN TESTING AGENCY REPORTS THAT SUBGRADES, FILLS OR BACKFILLS ARE BELOW SPECIFIED DENSITY, CONTRACTOR SHALL REMEDY THE WORK BY SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO THE DEPTH REQUIRED, AND RE-COMPACT AND RE-TEST UNTIL REQUIRED DENSITY IS OBTAINED. CONTRACTOR IS RESPONSIBLE THE COST OF THE REWORK AND RE-TESTING.
  - CONTRACTOR TO PROVIDE REPRESENTATIVE SAMPLES OF FILL MATERIAL TO OWNER'S TESTING AGENCY FOR ANALYSIS AND DEVELOPMENT OF COMPACTION CURVE.

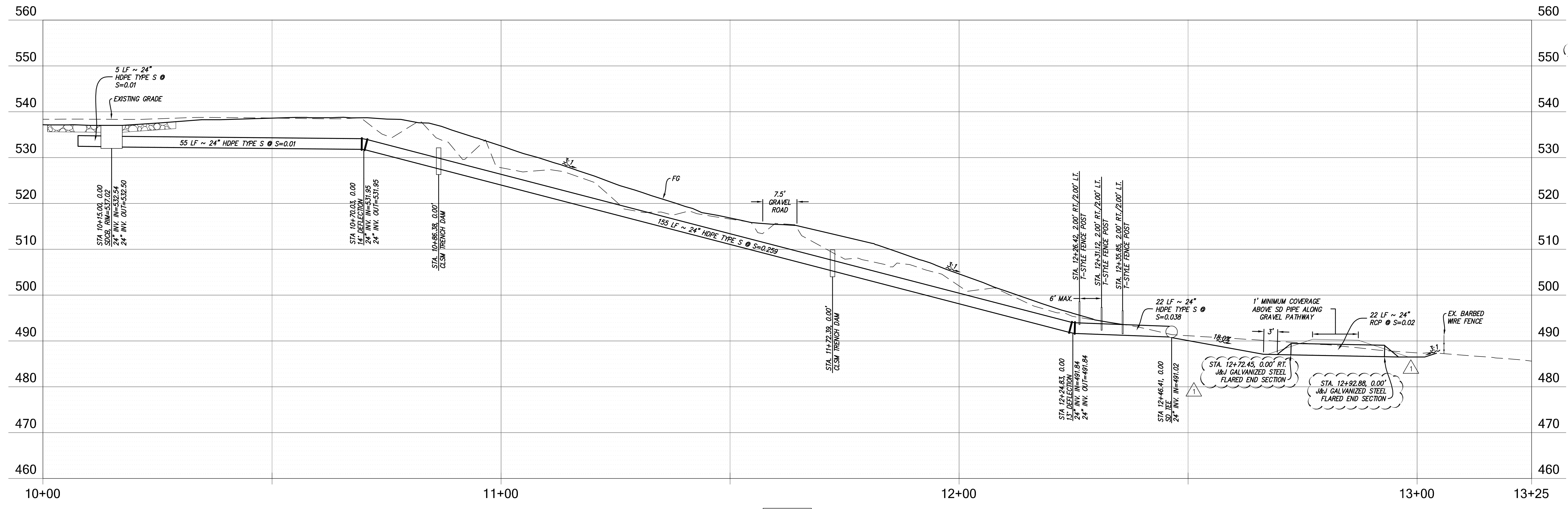
- ### STORM DRAIN NOTES
- HDPE PIPES AND FITTINGS MUST CONFORM TO AASHTO M284 TYPE S.
  - PIPES SHALL BE BEDDED IN TRENCH SAND. TRENCH SAND SHALL BE FREE OF CLAY, ORGANIC MATERIALS AND OTHER DELETERIOUS SUBSTANCES AND CONFORMING TO CALTRANS STANDARD SPECIFICATION SECTION 19-3.02F(2).
  - THOROUGHLY CLEAN STORM DRAIN LINES AND FIELD INLETS OF DIRT, DEBRIS, AND OBSTRUCTIONS OF ANY KIND.
  - AFTER COMPLETION OF PIPE INSTALLATION, INCLUDING COMPACTION TO FINISH GRADE, PERFORM VIDEO INSPECTION OF THE PIPE TO CONFIRM IT IS FREE OF DEFECTS. DEFECTS WOULD INCLUDE GAPS IN JOINTS, OBSTRUCTIONS TO THE PIPELINE, OR DEFLECTION OF PIPE WALLS. VIDEOS SHALL INCLUDE INDICATION OF DISTANCE ALONG PIPE, AND BE TAKEN WITH A CAMERA WITH PAN AND TILT CAPABILITIES.
  - ANY IDENTIFIED DEFECTS SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S COST.

### WORK DESCRIPTION

INTENT IS TO OVEREXCAVATE ERODED CHANNEL, INSTALL STORM DRAIN LINE, AND RE-ESTABLISH HILLSIDE WITH NATIVE SOIL. IF FILL IS NEEDED, IT SHALL BE SOURCED FROM CUT GENERATED FROM ROUGH GRADING EFFORT. SEE SHEET C3.1.

**TYPICAL ROADWAY SECTION 1**  
1"=2'

**HILLSIDE INLET SECTION 2**  
1"=4'



SCALES:  
1"=10' HORIZ  
1"=10' VERT.



**BUILD ON.**  
SANDIS.NET

DATE: 02-02-24  
SCALE: 1"=10'  
PROJECT No.: 618184  
DATE: 01/18, 2024  
MICHAEL A. KIKYKINDI  
No. 70870  
Exp. 6/30/25  
CIVIL ENGINEER  
STATE OF CALIFORNIA

No.	REVISION	DATE	BY
1	PRE BID ADDENDA 1	02/02/24	TP

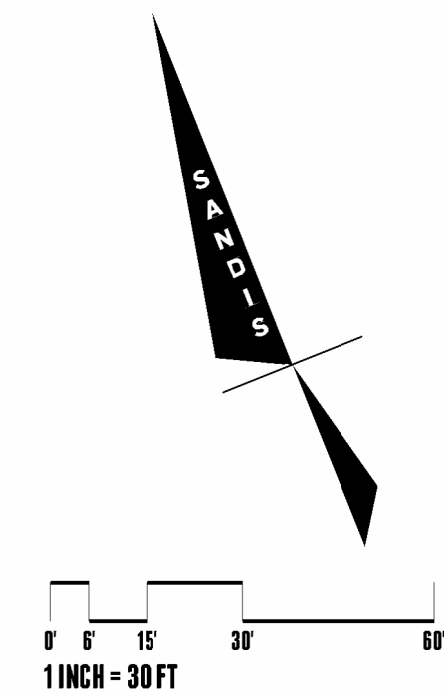
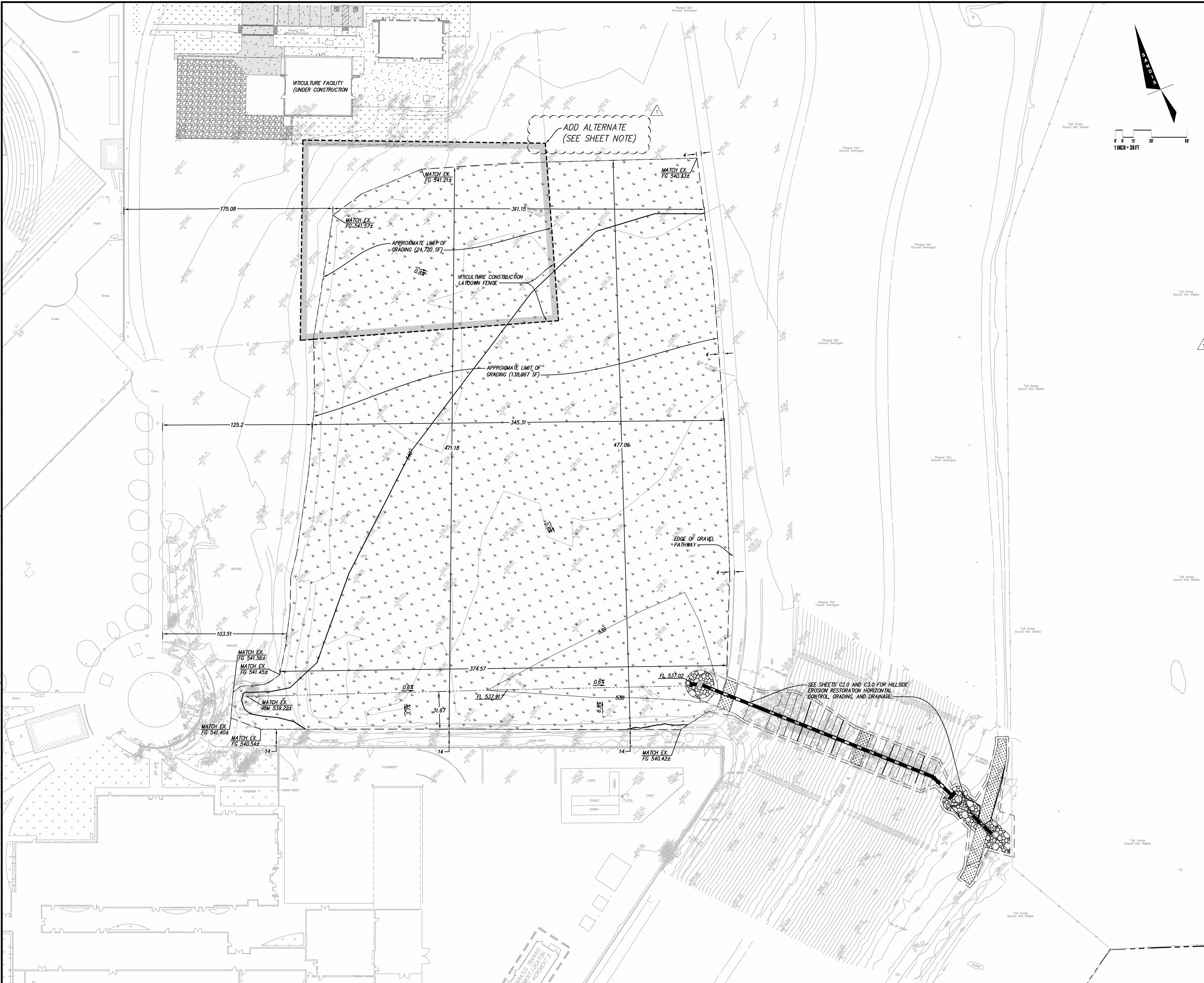
LIVERMORE CALIFORNIA

**HILLSIDE EROSION RESTORATION**

**GRADING AND DRAINAGE PLAN**

SHEET  
**C3.0**  
OF SHEETS

NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM INCLUDING PHOTOCOPY, RECORDING OR ANY INFORMATION RETRIEVABLE AND STORAGE SYSTEM, WITHOUT PERMISSION IN WRITING FROM SANDIS.



**LEGEND**

- APPROXIMATE LIMIT OF WORK
- EXTENT OF TRENCH BACKFILL/HILLSIDE RESTORATION
- FLOWLINE
- STORM DRAIN PIPE (HOPE TYPE S)
- GRAVEL ROAD
- TRENCH BACKFILL/HILLSIDE RESTORATION
- RIP RAP
- REGRADED SOIL AREA

**WORK DESCRIPTION**

INTENT IS TO GRADE THE AREA TO GENERATE POSITIVE DRAINAGE TO PROPOSED CATCH BASIN. ANY REQUIRED FILL SHALL BE PROVIDED BY CUT GENERATED FROM GRADING WORK IN THE IMMEDIATE VICINITY. CONTRACTOR TO DISCUSS DIFFERENCES IN FIELD CONDITIONS WITH ENGINEER IF ANY EXIST.

**ADD ALTERNATE DESCRIPTION**

COORDINATION IS REQUIRED WITH VITICULTURE BUILDING PROJECT FOR REGRADED AREA TO PROVIDE POSITIVE DRAINAGE TOWARDS PROPOSED DRAINAGE INLET.



**BUILD ON.**  
SANDIS.NET

DATE: 02-02-24  
SCALE: 1"=30'  
PROJECT No.: 618184

DATE: 01/18  
MICHAEL A. KUYKENDALL  
R.C.E. NO. 70870, EXPIRES 6-30-25  
CIVIL ENGINEER

No.	REVISION	DATE	BY
1	PRE BID ADDENDA 1	02/02/24	TP

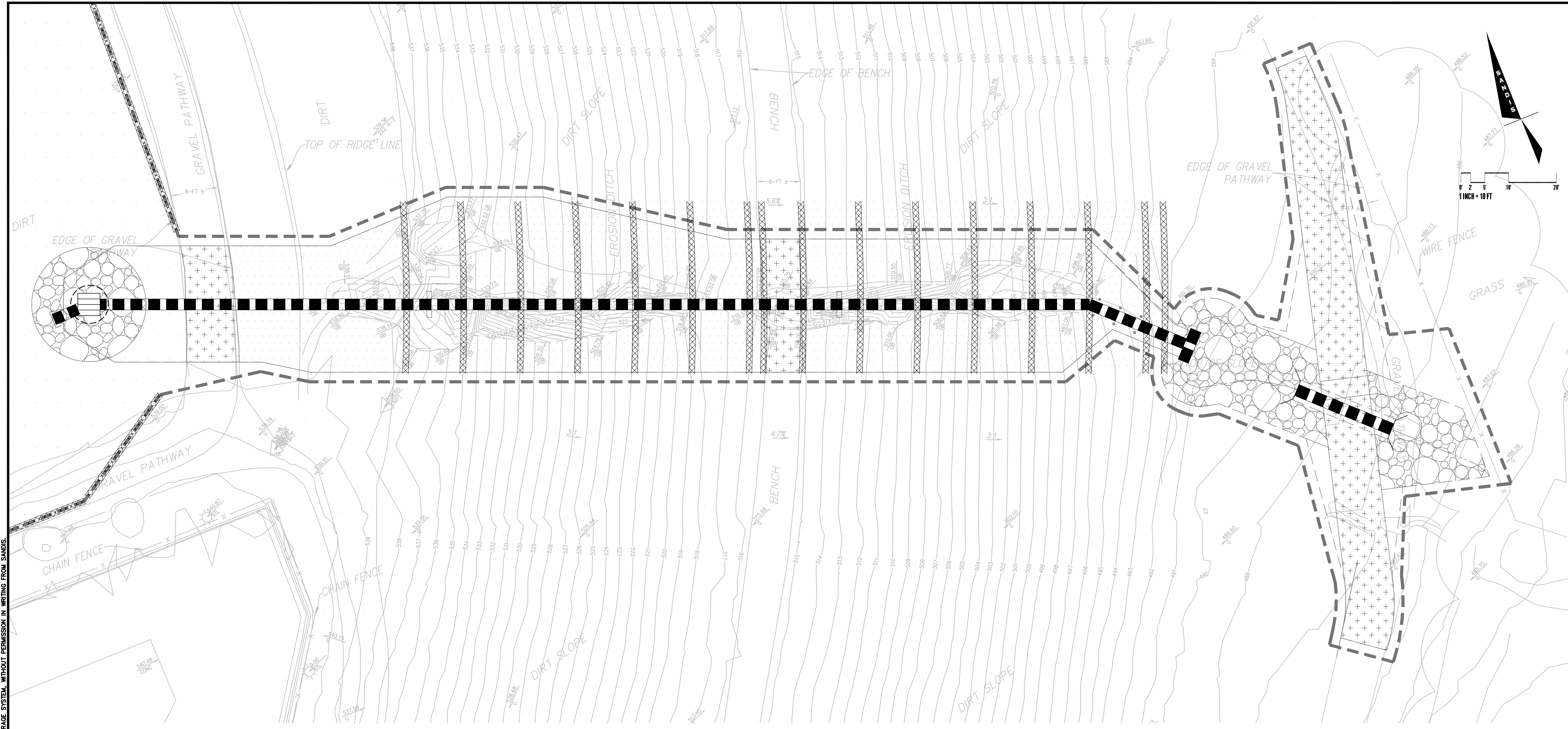
**HILLSIDE EROSION RESTORATION**

**ROUGH GRADING PLAN**

SHEET  
**C3.1**  
OF SHEETS

LIVERMORE CALIFORNIA





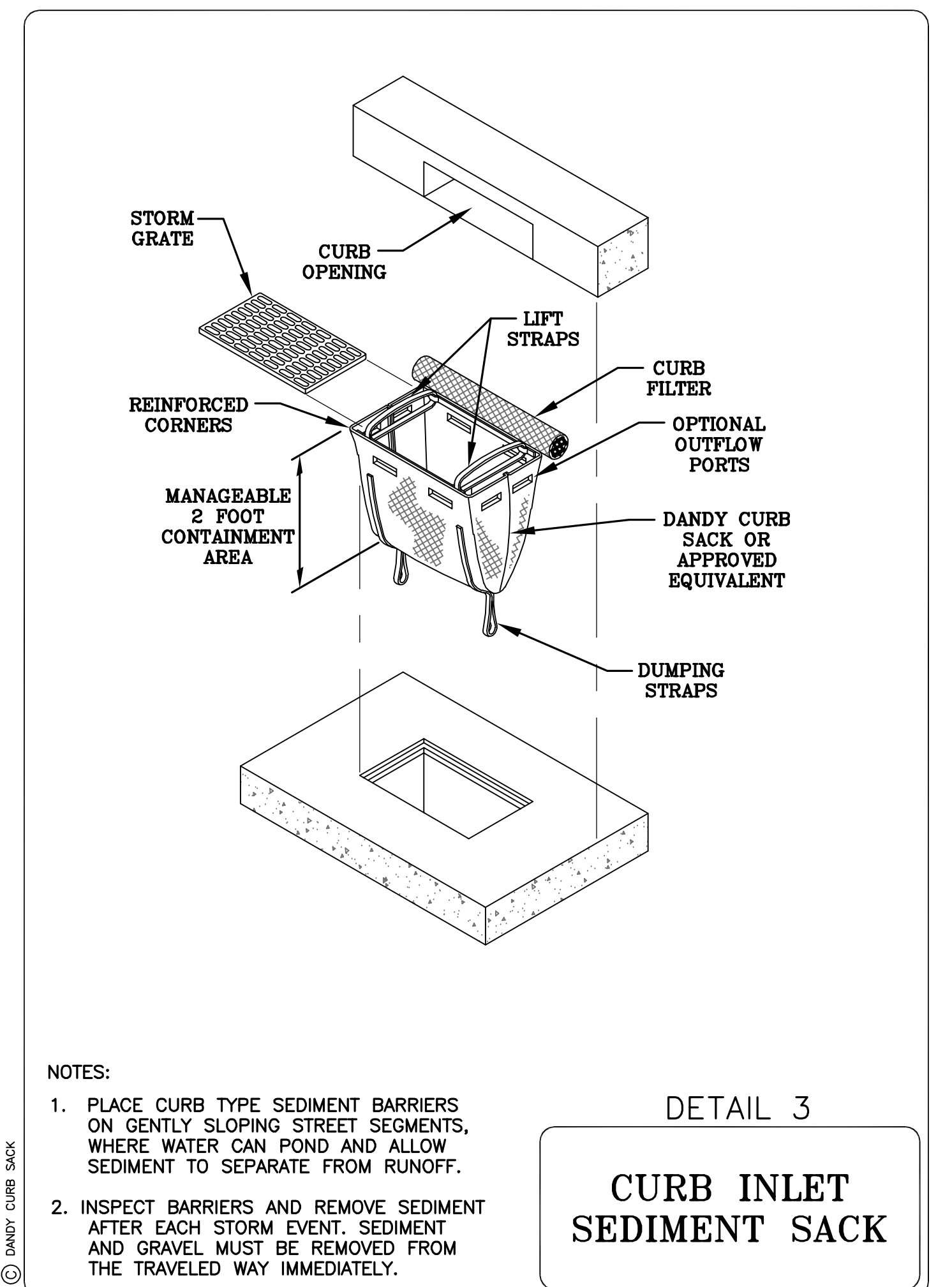
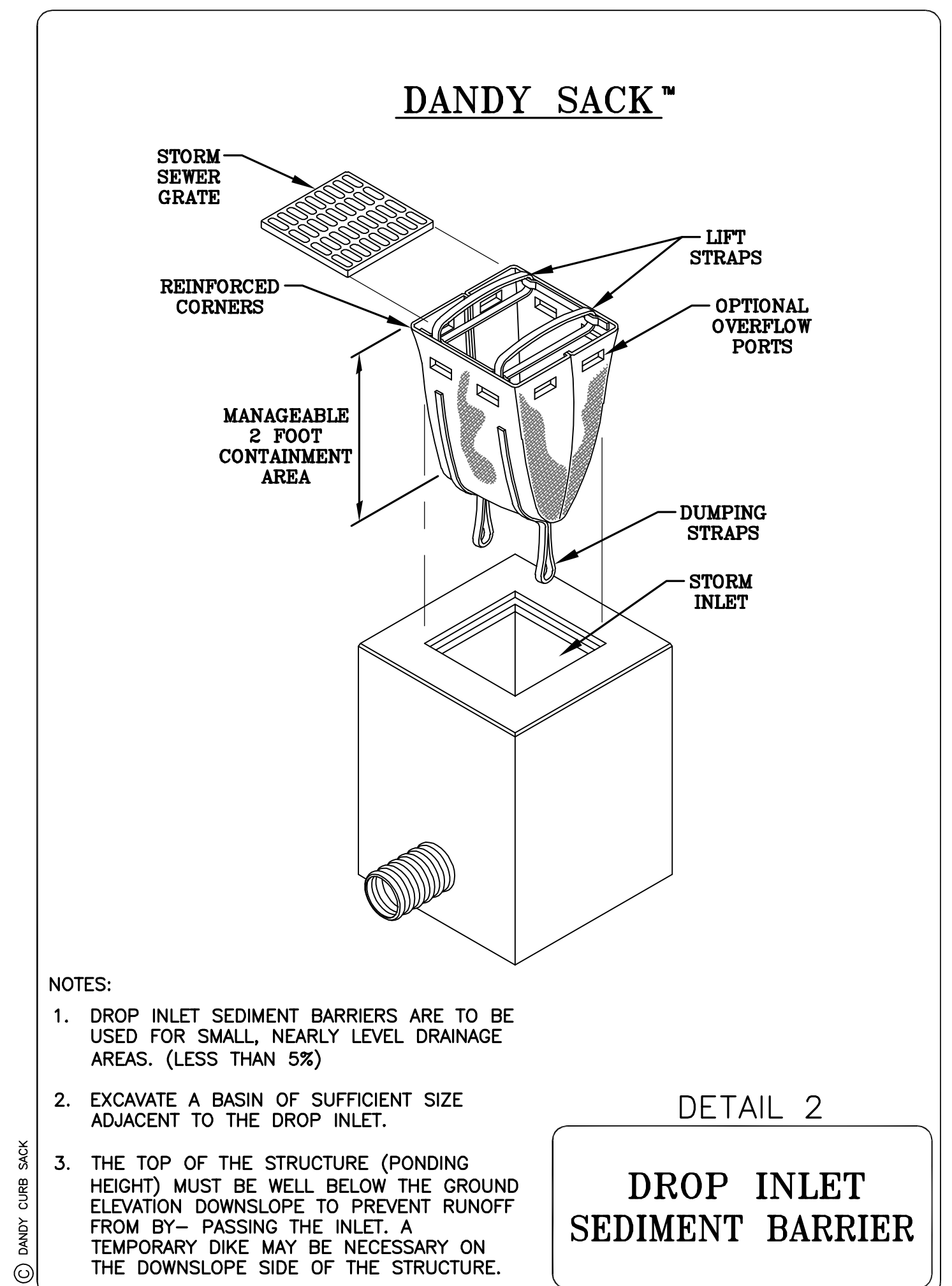
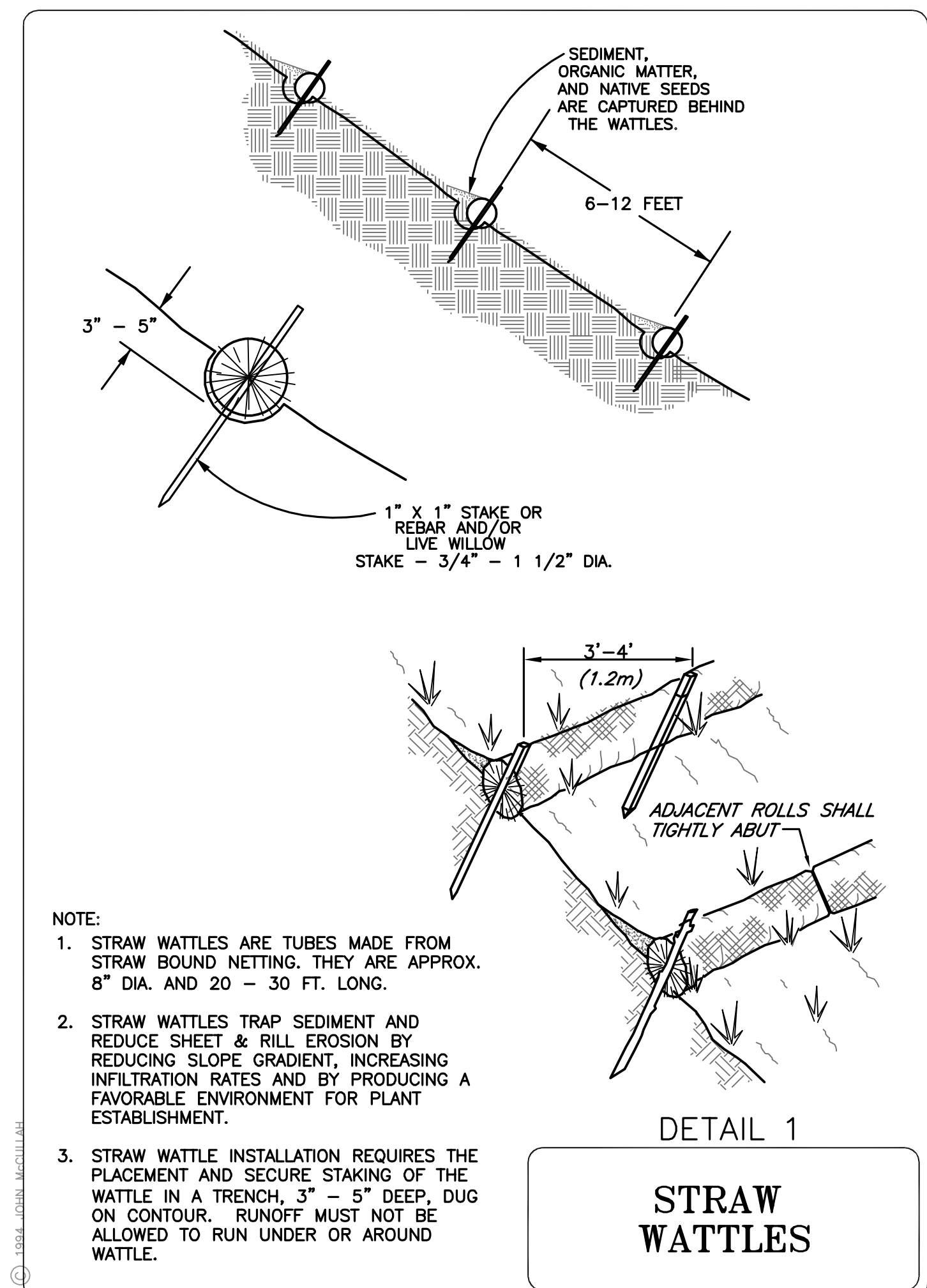
### LEGEND

- HYDROSEED PLANTING (SEE NOTES)
- FIBER ROLL (1 C5.0)
- INLET PROTECTION (2&3 C5.0)
- APPROXIMATE AREA OF CONSTRUCTION DISTURBANCE - AREA TO COMPLY WITH REQUIREMENTS IN PROJECT SWPPP
- STABILIZED ENTRANCE/EXIT

- ### WATER POLLUTION CONTROL NOTES:
- A. TEMPORARY CONSTRUCTION ENTRANCE/EXIT LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO PROVIDE LOCATION WHERE APPROPRIATE.
  - B. THIS PLAN REPRESENTS POSSIBLE WATER POLLUTION CONTROL MEASURES INCLUDING EROSION CONTROL AND SEDIMENT CONTROL.
  - C. EXISTING SURFACES SHALL BE UNDISTURBED TO THE EXTENT PRACTICAL.
  - D. GROUND WATER SHALL NOT BE DISCHARGED WITH STORM WATER. GROUND WATER DEWATERING OPERATIONS SHALL BE COORDINATED AS NEEDED WITH OWNER.
  - E. CONTRACTOR SHALL PROVIDE EFFECTIVE SOIL COVER FOR AREAS OF CONSTRUCTION ACTIVITY THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE ACTIVE FOR AT LEAST 14 DAYS.
  - F. ALL EROSION CONTROL AND SEDIMENT CONTROLS TO BE OBTAINED INSTALLED AND MAINTAINED AS REQUIRED IN PROJECT SWPPP.
  - G. CONTRACTOR TO INSTALL RUN-ON AND RUN-OFF CONTROL MEASURES ACCORDING TO PLANS OR AS NECESSARY TO ENSURE SEDIMENT IS NOT TRANSPORTED FROM SITE.
  - H. CONTRACTOR TO PROVIDE BACK-UP EROSION PREVENTION MEASURES (SOIL STABILIZATION) WITH SEDIMENT CONTROL MEASURES SUCH AS STRAW WATTLES, SILT FENCE, GRAVEL INLET FILTERS, AND/OR SEDIMENT TRAPS OR BASINS. ENSURE CONTROL MEASURES ARE ADEQUATE, IN PLACE, AND IN OPERABLE CONDITIONS. SEDIMENT CONTROLS, INCLUDING INLET PROTECTION, ARE NECESSARY BUT SHOULD BE A SECONDARY DEFENSE BEHIND GOOD EROSION CONTROL MEASURES.
  - I. STOCKPILE LOCATION(S) TO BE DETERMINED BY THE CONTRACTOR. COORDINATE WITH SITE OSP.
  - J. ALL CONCRETE TRUCKS TO USE CHUTE WASH BUCKETS FOR CONCRETE RINSE. ALL CONCRETE PUMPS TO CAPTURE CONCRETE RINSE IN SECONDARY CONTAINMENT AND PROPERLY DISPOSE.
  - K. STREET SWEEPING SHALL BE CHECKED DAILY TO ENSURE DEPOSITED SEDIMENT AND DEBRIS DOES NOT ENTER THE STORM DRAIN SYSTEM. USE REGENERATIVE VACUUM STREET CLEANER TO MITIGATE AIR AND WATER POLLUTION.
  - L. RUNOFF THAT HAS CONTACTED AMENDED SOIL AREAS SHALL NOT BE ALLOWED TO LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.

- ### HYDROSEED NOTES
1. CALTRANS PERGRASS SHALL BE USED AS HYDROSEED MIX TYPE.
  2. IF PLANTED OUTSIDE OF RAINY SEASON, CONTRACTOR TO PROVIDE IRRIGATION PER MANUFACTURER RECOMMENDATIONS UNTIL VEGETATION IS ESTABLISHED.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM INCLUDING PHOTOCOPY, RECORDING OR ANY INFORMATION RETRIEVABLE AND STORAGE SYSTEM, WITHOUT PERMISSION IN WRITING FROM SANDIS.



**SANDIS**

**BUILD ON.**  
SANDIS.NET

DATE: 02-02-24	DATE: 01/18 2024	No.:	REVISION:	DATE:	BY:
SCALE: 1"=10'		1	PRE BID ADDENDA 1	02/02/24	TP
PROJECT No.: 618184	MICHAEL A. KIRKENDALL R.C.E. No. 70870, EXPIRES 6-30-25				

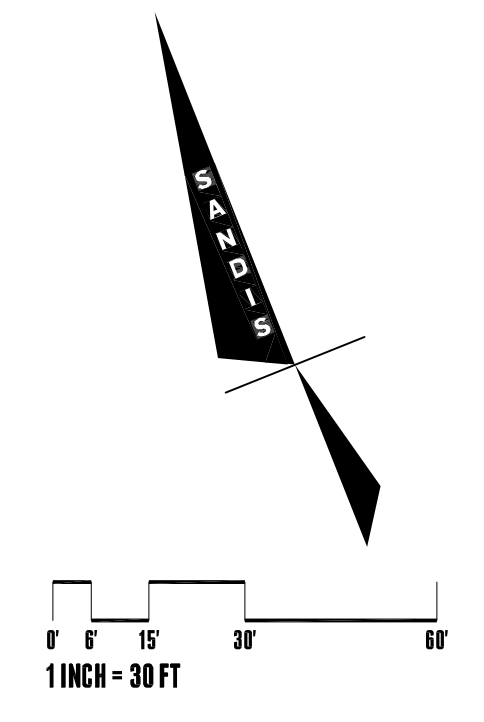
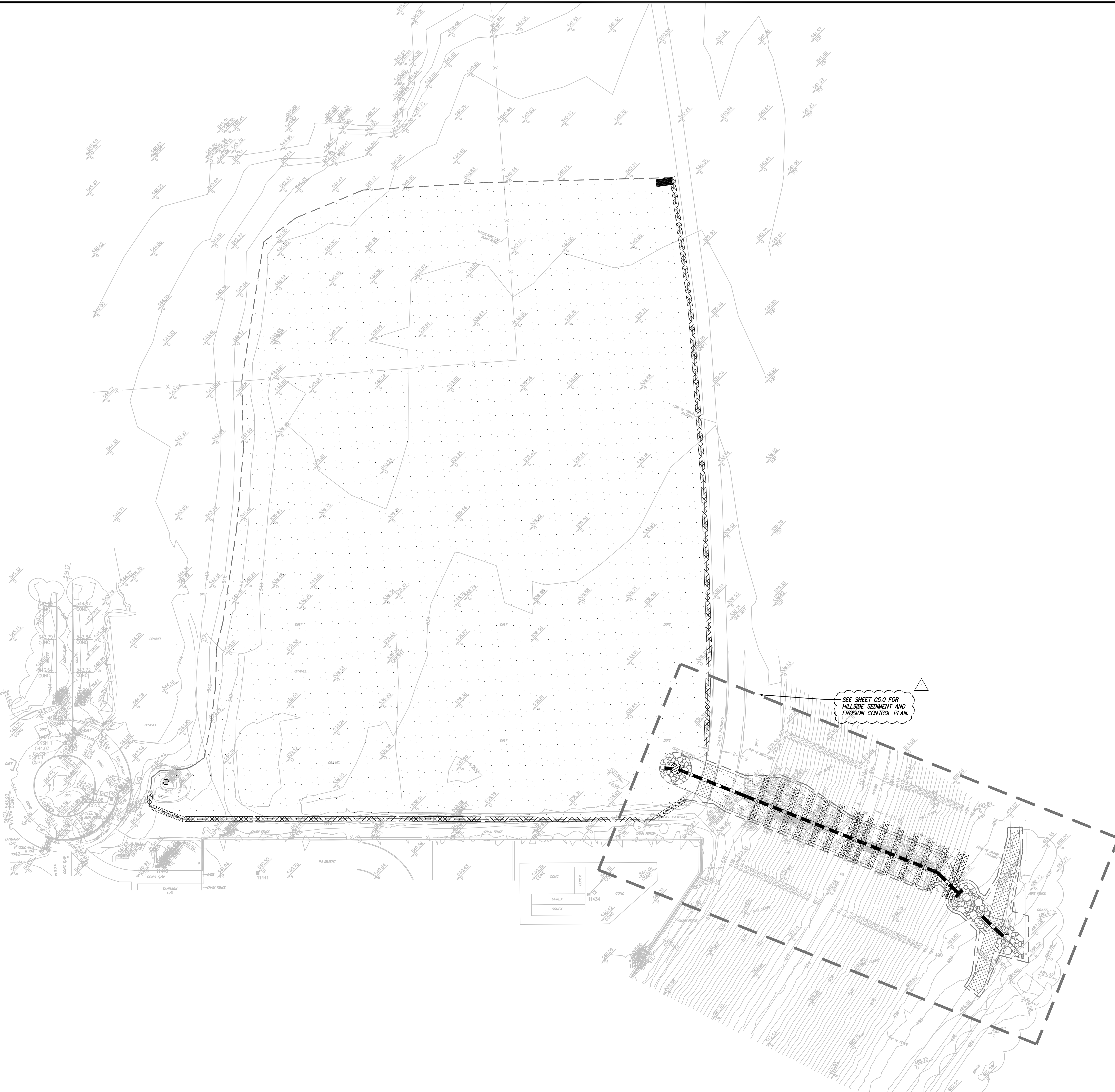
**HILLSIDE EROSION RESTORATION**

LIVERMORE CALIFORNIA

**SEDIMENT AND EROSION CONTROL PLAN**

SHEET **C5.0** OF SHEETS

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- I. STOCKPILE LOCATION(S) TO BE DETERMINED BY THE CONTRACTOR. COORDINATE WITH SITE QSP.
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Exp. 6/30/25  
CIVIL  
R.C.E. No. 70870, EXPIRES 6-30-25  
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**HILLSIDE EROSION RESTORATION**

LIVERMORE

CALIFORNIA

**SEDIMENT AND EROSION CONTROL PLAN**

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