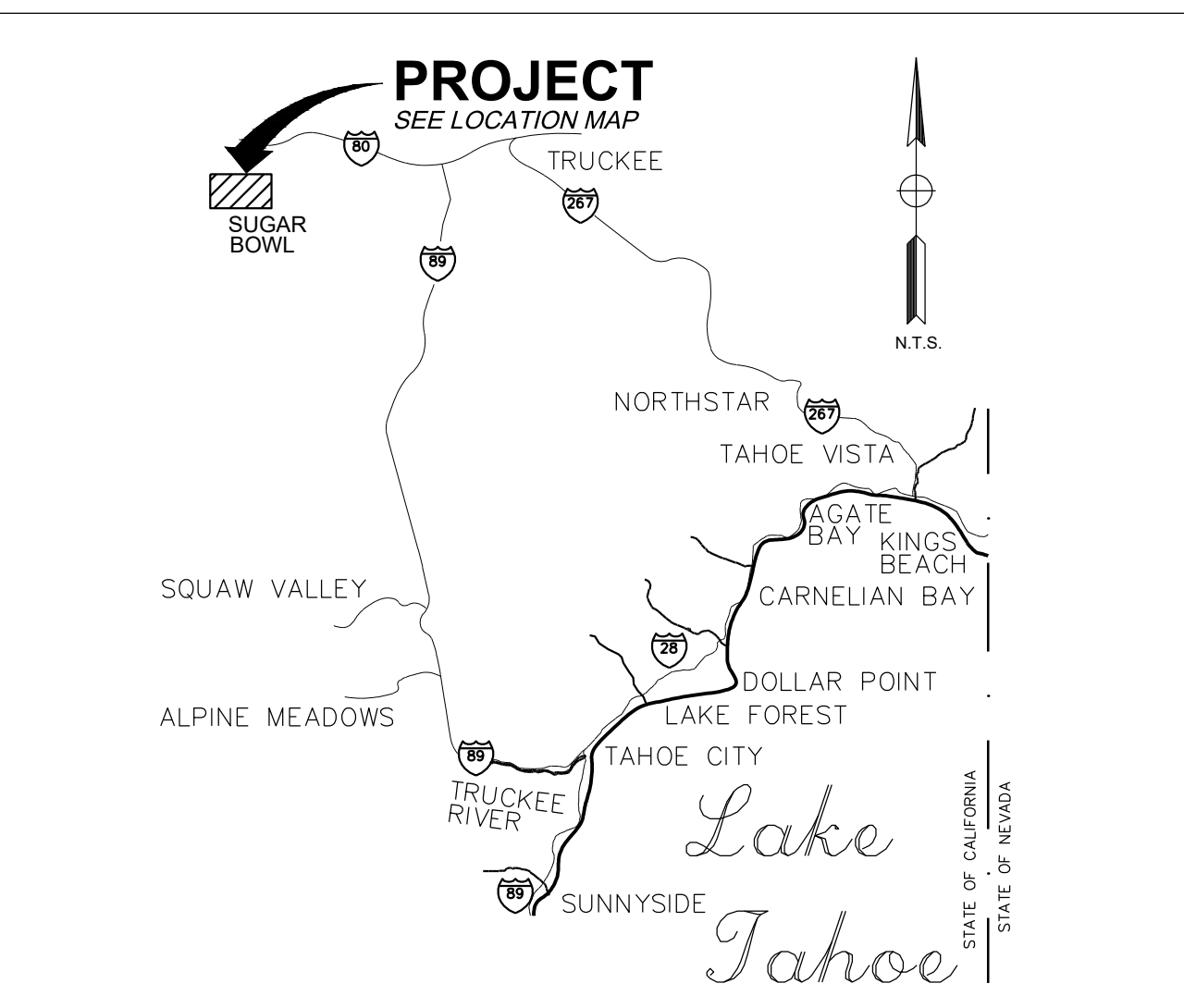


**VICINITY MAP**



**ENDORSEMENTS**

THESE PLANS HAVE BEEN PREPARED UNDER THE DIRECT SUPERVISION OF WALTER R. AUERBACH, P.E.

WALTER R. AUERBACH \_\_\_\_\_ DATE \_\_\_\_\_  
 RCE NO. C34303  
 EXP: 9-30-25

ACCEPTED FOR CONSTRUCTION OF SANITARY SEWER:  
 DONNER SUMMIT PUBLIC UTILITY DISTRICT \_\_\_\_\_ DATE \_\_\_\_\_

**RECORD DRAWINGS NOTE**

ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN AND ARE BASED UPON FIELD OBSERVATIONS MADE UNDER THE DIRECTION OF OR BY THE UNDERSIGNED AND/OR INFORMATION RECEIVED FROM THE PROJECT OWNER, PROJECT CONTRACTORS AND PUBLIC AGENCIES WHEN THE ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, CHANGES TO THESE PLANS NOT AUTHORIZED BY THE ENGINEER.

DATE \_\_\_\_\_ ENGINEER SIGNATURE (STAMP OR SEAL) \_\_\_\_\_

**INSTRUCTIONS TO CONTRACTOR**

**INSTRUCTIONS TO CONTRACTORS**  
**48 HOUR NOTICE REQUIRED**  
**PRIOR TO COMMENCING WORK**

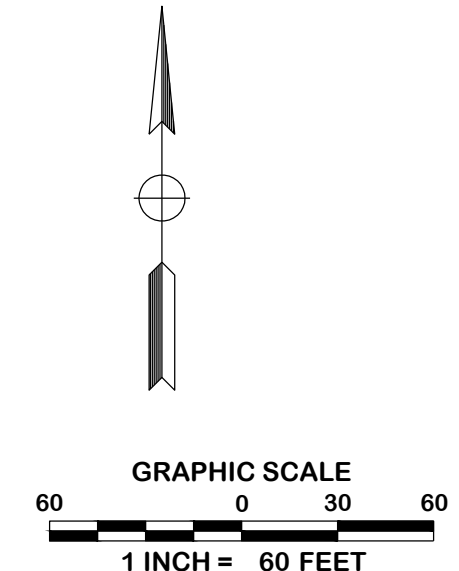
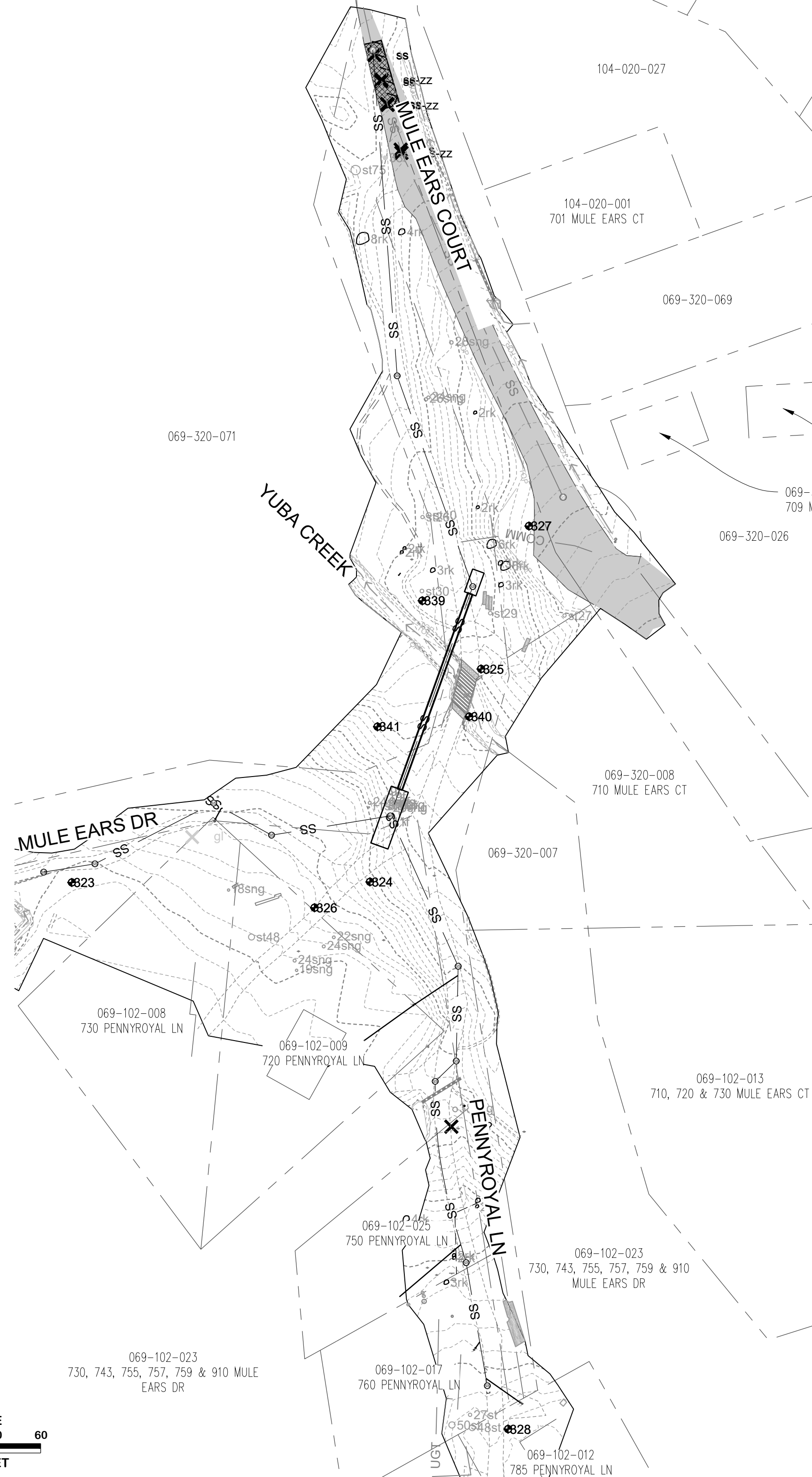
BEFORE COMMENCING WORK, ALL PLANS, SCHEDULES, AND PROGRAMS MUST BE SUBMITTED AND APPROVED IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLACER COUNTY GENERAL SPECIFICATIONS LATEST EDITION, AND THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS DATED 2018. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY THE PLACER COUNTY COMMUNITY DEVELOPMENT RESOURCE AGENCY, ENGINEERING AND SURVEYING DIVISION, CONSTRUCTION INSPECTION OFFICE 48 HOURS IN ADVANCE OF THE TIME OF COMMENCEMENT. CALL AUBURN (530) 745-7558, LAKE TAHOE (530) 581-6227.

**BASIS OF BEARING**

THE CALIFORNIA STATE PLANE COORDINATE SYSTEM ZONE II NAD83 (1991.35 CA HPGN)

△	NORTHING	EASTING	ELEVATION	DESCRIPTION
323	2241417.03	7031393.44	6920.62	tp 323 60d cap
324	2241417.48	7031591.79	6911.01	tp 324 60d cap
325	2241559.02	7031665.77	6901.93	tp 325 1/2zb cap
326	2241400.26	7031554.91	6916.09	cntrl-326-60d/whskr
327	2241654.19	7031697.58	6909.00	tp-327
328	2241053.42	7031683.69	6938.34	tp-328
339	2241604.43	7031626.64	6896.61	tp-339 cap
340	2241527.34	7031657.82	6896.69	tp-340 whskr
341	2241520.69	7031596.84	6899.69	tp-341 cap

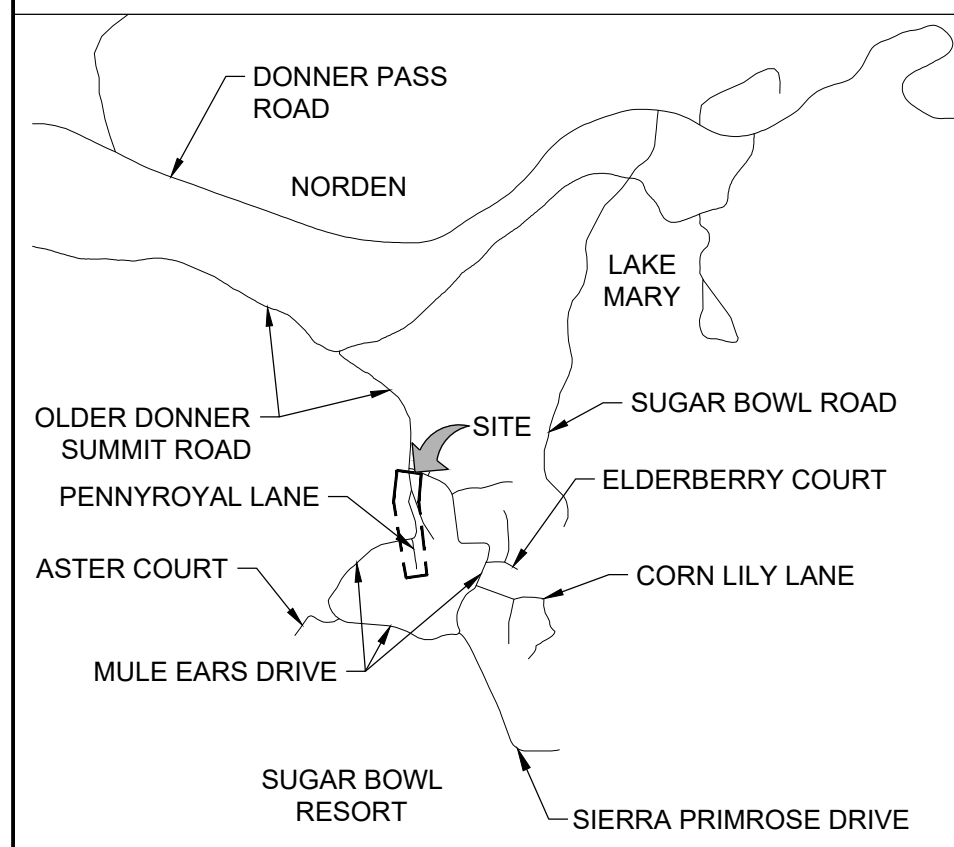
**IMPROVEMENT PLANS FOR DONNER SUMMIT PUBLIC UTILITY DISTRICT SUGAR BOWL SEWER PHASE 2A**  
 NORDEN PLACER COUNTY CALIFORNIA



**OVERALL IMPROVEMENT PLAN**

SCALE: 1" = 60'

**LOCATION MAP**



**CONTACT INFORMATION**

**OWNER:**  
 DONNER SUMMIT PUBLIC UTILITY DISTRICT  
 ATTN: STEVEN PALMER, P.E.  
 P.O. BOX 610  
 SODA SPRINGS, CA 95728  
 (530) 426-3456

**ENGINEER:**  
 AUERBACH ENGINEERING CORP.  
 ATTN: WALTER R. AUERBACH, P.E.  
 P.O. BOX 5399  
 TAHOE CITY, CA 96145  
 (530) 581-1116

**WATER/SEWER:**  
 DONNER SUMMIT PUBLIC UTILITY DISTRICT  
 ATTN: STEVEN PALMER, P.E.  
 P.O. BOX 610  
 SODA SPRINGS, CA 95728  
 (530) 426-3456

**ELECTRICAL:**  
 PG&E  
 ATTN: BUILDING AND RENOVATION SERVICE CENTER  
 P.O. BOX 24047  
 FRESNO, CA 93779-4047  
 (877) 743-7782

**TELEPHONE:**  
 AT&T  
 ATTN: JASON PARNHAM  
 2700 WATT AVENUE, #3473-05  
 SACRAMENTO, CA 95821  
 (916) 484-2388

**FIRE:**  
 TRUCKEE FIRE PROTECTION DISTRICT  
 ATTN: STEVE KESSMANN  
 10049 DONNER PASS ROAD  
 TRUCKEE, CA 96161  
 (530) 582-7855

**SEPTIC:**  
 NAVO & SONS  
 ATTN: ARMANDO GRAJEDA  
 4930 ENERGY WAY  
 RENO, NV 89502  
 (775) 823-7727

BY	REVISIONS

**RECORD DRAWING**

DATE \_\_\_\_\_ ENGINEER INITIAL \_\_\_\_\_



**AUERBACH ENGINEERING CORP.**  
 CIVIL ENGINEERING • LAND SURVEYING • ENVIRONMENTAL PLANNING  
 REUSE OF DOCUMENTS

THIS DOCUMENT & THE IDEAS & DESIGN INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF AEC & IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF AEC.

DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
**COVER SHEET**

NORDEN PLACER COUNTY CALIFORNIA

BAR IS ONE INCH ON ORIGINAL DRAWING

PROJECT NUMBER: 77-02B  
 SURVEY BY: AEC  
 SURVEY DATE: AUGUST 2021  
 DESIGN BY: CN/CA  
 DRAFTING BY: CN/AV/BR  
 CHECKED BY: CA/WA  
 DATE: NOVEMBER 10, 2023

SCALES:  
 HORIZONTAL: 1" = 60'  
 VERTICAL: 1" = 60'

**G1**

SHEET: 1 of 10

100% IMPROVEMENT PLANS

PLACER COUNTY GENERAL NOTES:

- 1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE PLACER COUNTY GENERAL SPECIFICATIONS DATED APRIL, 2018. ALL REFERENCES TO STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SHALL REFER TO THE 2010 EDITION OF THE STANDARD SPECIFICATIONS. ATTENTION IS ALSO DIRECTED TO THE STANDARD PLATES CONTAINED IN THE PLACER COUNTY LAND DEVELOPMENT MANUAL AND THE CURRENT EDITION OF THE CALTRANS STANDARD PLANS, WHICH, WHEN APPLICABLE, ARE INCLUDED IN THESE DRAWINGS AND/OR REFERENCED BY PLATE OR STANDARD PLAN NUMBER. CONTRACTOR IS RESPONSIBLE TO HAVE AVAILABLE A CURRENT SET OF PLACER COUNTY GENERAL SPECIFICATIONS WITH PLATES, CALTRANS STANDARD SPECIFICATIONS, AND CALTRANS STANDARD PLANS.
2. COUNTY, DEPARTMENT OR ENGINEER, AS USED ON THESE PLANS AND NOTES, REFERS TO THE DIRECTOR OF THE PLACER COUNTY ENGINEERING AND SURVEYING DIVISION AND/OR DEPARTMENT OF PUBLIC WORKS (DPW) OR AN AUTHORIZED AGENT APPOINTED BY THE DIRECTOR.
3. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH COUNTY REQUIREMENTS AND AS DIRECTED BY THE ENGINEER. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
4. A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR SHALL DO ALL FIELD STAKING. THE OWNER SHALL PROVIDE ONE SET OF CONSTRUCTION CONTROL STAKES; ANY ADDITIONAL STAKING NECESSARY SHALL BE PROVIDED BY THE ENGINEER / SURVEYOR AT THE EXPENSE OF THE CONTRACTOR. ALL STAKING SHALL BE DONE PER SECTION 5\_1.07 PLACER COUNTY GENERAL SPECIFICATIONS.
5. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, THEY ARE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF THE IMPROVEMENTS SHOWN ON THESE PLANS. CALL "UNDERGROUND SERVICE ALERT" AT 811 OR 800\_227-2600 TWO (2) DAYS MINIMUM TO FOURTEEN (14) DAYS MAXIMUM BEFORE ANY EXCAVATION IS STARTED.
6. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND PROTECTION OF EXISTING SURVEY AND PROPERTY CORNER MONUMENTS THAT EXIST AT THE TIME OF CONSTRUCTION IN THE AREA WHERE CONSTRUCTION ACTIVITIES OCCUR. MONUMENTS DISTURBED, OR LOST, DUE TO CONSTRUCTION ACTIVITIES WILL REQUIRE THAT THE CONTRACTOR HAVE THEM REPLACED, IN KIND, BY A LICENSED CALIFORNIA LAND SURVEYOR, WHO WILL BE REQUIRED TO FILE WITH THE COUNTY EITHER A CORNER RECORD OR A RECORD OF SURVEY, WHICHEVER WILL MEET THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT, SECTION 8771(B) AND (C).
7. ALL EXISTING ASPHALT SURFACES SHALL BE SAWCUT OR GROUND TO A DEPTH OF AT LEAST 0.20-FOOT A DISTANCE OF ONE FOOT MINIMUM BEYOND THE LIMITS OF DISTURBANCE TO A NEAT, STRAIGHT LINE AND REMOVED. ANY EXPOSED ASPHALT SHALL BE SEALED WITH HOT EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED AND RECOMPACTED PRIOR TO PAVING.
8. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL PER SECTION 14-9.02, CALTRANS STANDARD SPECIFICATIONS.
9. NOT USED.
10. NO CONSTRUCTION SHALL BE PERFORMED WITHOUT A COUNTY APPROVED SEDIMENT AND EROSION CONTROL PLAN TO PREVENT SOIL EROSION. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS CONTAINED IN THE "EROSION AND SEDIMENT CONTROL GUIDELINES FOR DEVELOPING AREAS OF THE SIERRA FOOTHILLS AND MOUNTAINS", OCTOBER, 1991, OR OTHER APPROPRIATE GUIDELINES, SUCH AS THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) CONSTRUCTION BMP HANDBOOK. APPLICANT AND/OR CONTRACTOR SHALL SECURE ANY NECESSARY STATE OF CALIFORNIA COVERAGE AS NEEDED UNDER THE STATE'S CONSTRUCTION GENERAL PERMIT FOR STORM WATER DISCHARGES UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES).
11. INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF ANY EROSION OR SILTATION ENTERING THE STORM DRAIN SYSTEM, NATURAL DRAINAGE COURSES AND/OR INTRUDING UPON ADJACENT ROADWAYS AND PROPERTIES. WINTERIZATION AND EROSION CONTROL SHOWN ON THESE PLANS IS INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS.
12. AFTER STRIPPING THE DEBRIS, ANY EXISTING LOOSE FILL, UNSUITABLE SOIL, SILTY SAND DEPOSITS, OR DISTURBED NATURAL SOILS SHALL BE EXCAVATED AND PROPERLY DISPOSED OF TO THE SATISFACTION OF THE ENGINEER.
13. THE CONTRACTOR SHALL REMOVE ALL ROAD MARKINGS, PAVEMENT MARKERS, AND OTHER DELINEATION THAT ARE IN CONFLICT WITH THE DELINEATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL LAY OUT ALL PAVEMENT MARKINGS FOR APPROVAL BY THE ENGINEER. AFTER APPROVAL, THE CONTRACTOR SHALL APPLY ALL PAINTED MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS WITHIN COUNTY RIGHT\_OF\_WAY AS WELL AS ALL ON-SITE PAINTED OR THERMOPLASTIC MARKINGS.
14. PERMANENT TRAFFIC SIGNS SHALL CONFORM TO THE CALIFORNIA MUTCD TRAFFIC SIGN STANDARDS FOR "STANDARD" SIZE, CHARACTER DIMENSIONS AND LETTER STROKE WIDTH. ALL STOP SIGNS SHALL BE 30" MINIMUM SIZE OF HIGH INTENSITY GRADE SHEETING.
15. HOT MIX ASPHALT (HMA) SHALL CONFORM TO SECTION 39 OF THE PLACER COUNTY GENERAL SPECIFICATIONS AND THE FOLLOWING: FOR AREAS BELOW 1000' ELEVATION; TYPE A, 1/2" MAXIMUM, WITH PG 64-10; FOR AREAS BETWEEN 1000' AND 3500' ELEVATION; TYPE A, 1/2" MAXIMUM, WITH PG 64-16; FOR AREAS ABOVE 3500' ELEVATION, TYPE A, 1/2" MAXIMUM, WITH PBA 6B OR PG 64-28. IF EXISTING PAVEMENT IS RHMA-G OR OGFC, PAVING REPAIRS SHALL BE INSTALLED WITH THOSE MATERIALS. UNLESS OTHERWISE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, HMA SHALL BE PLACED IN ACCORDANCE WITH SECTION 39-3 "METHOD CONSTRUCTION PROCESS" OF THE CALTRANS STANDARD SPECIFICATIONS. ALL HMA PLACED, WHETHER NEW ROADWAY OR OVERLAY, SHALL BE MATCHED TO GRADE WITH AN AGGREGATE BASE SHOULDER. THIS SHOULDER BACKING SHALL BE A MINIMUM OF 1' WIDE OR MATCH THE PROJECT PLANS, WHICHEVER IS GREATER.

PLACER COUNTY GENERAL NOTES:

- 16. THE UPPER 8" OF AGGREGATE BASE SHALL BE CLASS 2, 3/4" MAXIMUM GRADING. WHERE THE BASE THICKNESS EXCEEDS 8", THE DEPTH BELOW 8" MAY BE CLASS 2, 1 1/2" MAXIMUM GRADING. AGGREGATE BASE SHALL CONFORM TO SECTION 26 OF THE COUNTY GENERAL SPECIFICATIONS.
17. NOT USED.
18. THE CONTRACTOR MUST IMMEDIATELY REINSTALL ANY TRAFFIC SIGNS REMOVED IN THE COURSE OF CONSTRUCTION. ANY SIGNS LOST OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
19. THE COUNTY MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER COUNTY INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET COUNTY STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR SHALL REMOVE AND REPLACE SUCH IMPROVEMENTS AT THE CONTRACTOR'S EXPENSE.
20. UNBALANCED EARTHWORK QUANTITIES MAY REQUIRE A SEPARATE GRADING PERMIT FOR THE OFF-SITE FACILITY IF EXPORT/IMPORT EXCEEDS 250 CUBIC YARDS AS REQUIRED BY THE COUNTY'S GRADING ORDINANCE. IF EXCESS MATERIAL WILL BE PLACED ON SITE, THEN THE PROJECT ENGINEER SHALL SUBMIT A REVISION TO THE PLANS SHOWING WHERE THE EXCESS MATERIAL WILL BE PLACED ON SITE.
21. NOT USED.
22. NOT USED.
23. ONLY THE APPROXIMATE LOCATIONS OF THE EXISTING SANITARY SEWER AND OTHER UTILITIES HAVE BEEN SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS IN THE FIELD AND IMMEDIATELY NOTIFY THE PROJECT ENGINEER IF SAID LOCATION(S) IS SIGNIFICANTLY DIFFERENT FROM THAT SHOWN ON THIS PLAN.
24. NOT USED.
25. GEOTECHNICAL ENGINEERING REPORT TITLED, "GEOTECHNICAL ENGINEERING REPORT SUGAR BOWL PROPERTY OWNERS SEWER PLAN - PHASE 1 AND 2 DATED SEPTEMBER 23, 2021, PREPARED BY NV5. IT SHALL BE THE CONTRACTOR RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE GEOTECHNICAL REPORT, VISIT THE SITE, AND MAKE THEIR OWN INTERPRETATIONS WITH REGARD TO MATERIALS, METHODS, AND EQUIPMENT NECESSARY TO PERFORM THE WORK REQUIRED FOR THIS PROJECT.

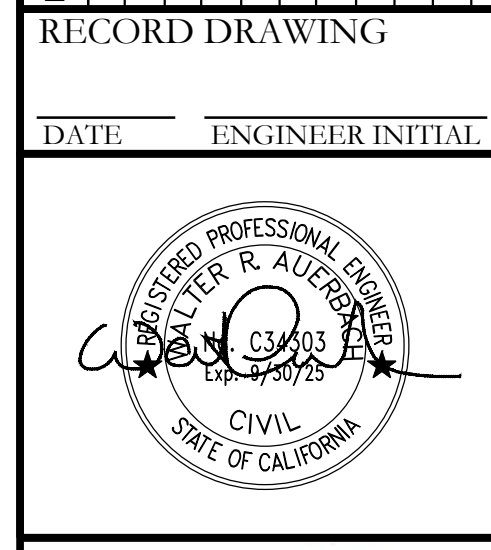
OWNER'S NOTES

- 1. ALL GRADING AND PAVING WORK SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE PLACER COUNTY GRADING ORDINANCE AND THE PROJECT PLANS AND SPECIFICATIONS AS WELL AS THE RECOMMENDATIONS IN THE GEOTECHNICAL ENGINEERING REPORT.
2. THE BENCH MARK VERTICAL DATUM, AND CONTROL POINTS FOR THE PROJECT ARE PRESENTED ON SHEETS G1.
3. THE ENGINEER ASSUMES NO RESPONSIBILITY BEYOND THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.
4. THE FOLLOWING STANDARDS AND SPECIFICATIONS ARE REQUIREMENTS APPLICABLE TO THIS PROJECT AND SHALL BE MAINTAINED EXCEPT AS EXPLICITLY MODIFIED OR SUPPLEMENTED BY THESE PLANS OR AT THE DIRECTION OF THE DISTRICT ENGINEER. ALL REFERENCE STANDARDS AND SPECIFICATIONS ARE THE LATEST EDITIONS.
A. DONNER SUMMIT PUBLIC UTILITY DISTRICT (DSPUD)
B. PLACER COUNTY
C. SUGAR BOWL HOME OWNERS ASSOCIATION (SBHOA)
THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING THE WORK WITH EACH OF THE ABOVE ENTITIES.
7. SHOULD IT APPEAR THAT THE WORK TO BE COMPLETED, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT AUERBACH ENGINEERING CORP. FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY. PHONE: (530) 581-1116
8. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF AUERBACH ENGINEERING CORP. IS TO PROVIDE THE CONSTRUCTION STAKES, THE NUMBER AND LOCATION OF STAKES REQUIRED SHALL BE DETERMINED BEFORE THE CONSTRUCTION BEGINS AND SHALL BE AGREED UPON BY AUERBACH ENGINEERING CORP., THE OWNER, AND THE CONTRACTOR. ALL STAKING REQUESTS TO AUERBACH ENGINEERING CORP. SHOULD BE SUBMITTED A MINIMUM OF 72 HOURS PRIOR TO ACTUAL NEED. ANY ADDITIONAL STAKING OR RESTAKING WILL ONLY BE DONE AS DIRECTED AND AUTHORIZED BY THE OWNER OR HIS AUTHORIZED AGENT. DSPUD SHALL BE NOTIFIED OF COMPLETED STAKING AND VERIFIED BY AUERBACH ENGINEERING CORP. PRIOR TO BEGINNING CONSTRUCTION.
9. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD OBSERVATION OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF THE UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THESE PLANS. THE CONTRACTOR SHALL EXPOSE AND VERIFY ELEVATIONS OF EXISTING UTILITIES AND CLEARANCES OF UTILITY CROSSINGS AT LEAST 48 HOURS IN ADVANCE OF PIPELINE EXCAVATIONS.
10. OBSTRUCTIONS INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES. NEITHER THE OWNER NOR THE ENGINEER ASSUMES RESPONSIBILITY THAT THE OBSTRUCTIONS INDICATED WILL BE THE OBSTRUCTIONS ENCOUNTERED.
11. CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR THE DEPARTMENT OF ENGINEERING AND SURVEYING, AMBULANCE, POLICE AND FIRE DEPARTMENTS.
12. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
13. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
14. ALL MOBILE CONSTRUCTION EQUIPMENT, INCLUDING ELECTRICAL GENERATORS AND COMPRESSORS, UTILIZED DURING CONSTRUCTION SHALL BE PROPERLY MAINTAINED AND TUNED-UP. AS PRACTICAL, LOW EMISSION EQUIPMENT SHALL BE USED ONSITE. LOW SULFUR FUEL FOR CONSTRUCTION EQUIPMENT SHALL BE USED.
15. TEMPORARY POWER IF REQUIRED SHALL UTILIZE EXISTING POWER SERVICES OR CLEAN FUEL GENERATORS RATHER THAN TEMPORARY POWER GENERATORS.
16. EXISTING TOPOGRAPHY BASED ON A TOPOGRAPHIC SURVEY PROVIDED BY AUERBACH ENGINEERING CORPORATION, DATED AUGUST 2021.
17. THE CONTRACTOR SHALL KEEP DETAILED RECORDS AND AS-BUILTS SHOWING ALL MODIFICATIONS MADE TO THESE PLANS. THESE RECORDS AND AS-BUILTS SHALL BE PROVIDED TO THE ENGINEER UPON PROJECT COMPLETION FOR USE IN PREPARING RECORD DRAWINGS.
18. ALL TEST PITS SHALL BE RE-EXCAVATED, AND BACKFILLED AND COMPACTED PER THE GRADING ORDINANCE UNDER THE SUPERVISION OF THE ENGINEER.
19. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH ALL WARRANTIES OR GUARANTEES PROVIDED BY ANY SUPPLIER, DISTRIBUTOR, OR MANUFACTURER OF MATERIALS OR SUPPLIES USED IN THE CONSTRUCTION OF THE IMPROVEMENTS INDICATED IN THESE PLANS. THESE WARRANTIES OR GUARANTEES SHALL BE PROVIDED IN ADDITION TO ANY WARRANTIES OR GUARANTIES SEPARATELY REQUIRED BY THE OWNER FROM THE CONTRACTOR.
20. NO BURNING OF CONSTRUCTION DEBRIS OR OTHER ILLEGAL MATERIALS IS ALLOWED.
21. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN THAT INCLUDES, AT A MINIMUM, TRAFFIC ROUTING DURING PHASES OF THE CONSTRUCTION, SPECIFIC HOURS OF CONSTRUCTION, IDENTIFY POTENTIAL ROAD CLOSURES AND EMERGENCY VEHICLE ACCESS.
22. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH SMOOTH TRANSITIONS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES. LOW SPOTS OR HAZARDOUS CONDITIONS. THE EXTENT OF TRANSITION IS TO BE DETERMINED BY THE ENGINEER.
23. CONSTRUCTION NOISE: THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION VEHICLES OR EQUIPMENT, FIXED OR MOBILE, OPERATED WITHIN CLOSE PROXIMITY OF A RESIDENTIAL DWELLING SHALL BE EQUIPPED WITH PROPERLY OPERATING AND MAINTAINED MUFFLERS AT ALL TIMES DURING PROJECT CONSTRUCTION. IT IS THE OWNER'S RESPONSIBILITY TO OBTAIN THE SERVICES OF A QUALIFIED ACOUSTICAL PROFESSIONAL TO VERIFY PROPER EQUIPMENT MUFFLERS IF CONCERNS RELATING TO THE ISSUE ARISE.
CONSTRUCTION NOISE EMANATING FROM ANY CONSTRUCTION ACTIVITIES FOR WHICH A BUILDING PERMIT OR GRADING PERMIT IS REQUIRED IS PROHIBITED ON SUNDAYS AND FEDERAL HOLIDAYS, AND SHALL ONLY OCCUR:
A. MONDAY THROUGH FRIDAY, 7:30 AM TO 5:30 PM
B. SATURDAYS, 7:30 AM TO 5:30 PM WITH 72-HOUR PRIOR NOTIFICATION AND PERMISSION GRANTED BY SBHOA DESIGN REVIEW BOARD REPRESENTATIVE.
ADVISORY COMMENT: ESSENTIALLY, QUIET ACTIVITIES, WHICH DO NOT INVOLVE HEAVY EQUIPMENT OR MACHINERY, MAY OCCUR AT OTHER TIMES. WORK OCCURRING WITHIN AN ENCLOSED BUILDING, SUCH AS A HOUSE UNDER CONSTRUCTION WITH THE ROOF AND SIDING ON, CAN OCCUR AT OTHER TIMES AS WELL. THE PLANNING DIRECTOR IS AUTHORIZED TO WAIVE THE TIME FRAMES BASED ON SPECIAL CIRCUMSTANCES, SUCH AS ADVERSE WEATHER CONDITIONS.

OWNER'S NOTES CONTINUED

- 23. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY RESULT FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.
24. DURING GRADING OPERATIONS THE CONTRACTOR SHALL TEMPORARILY DEWATER ZONES OF SEEPAGE OCCURRING FROM FRACTURES, USING A SYSTEM OF DITCHES DIRECTING WATER INFLOWS TO PUMPS WHERE WATER CAN BE REMOVED BY PUMPS AND TREATED WITH BMP'S TO PROTECT WATER QUALITY.
25. GRADING ACTIVITIES SHALL BE PROHIBITED DURING THE WINTER MONTHS, UNLESS APPROVED BY THE CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD. EXPOSED GRADED AREAS SHALL BE PROTECTED DURING THE WINTER MONTHS USING APPROPRIATE METHODS.
26. STRAW BALES, WADDLES, OR SIMILAR DEVICES USED FOR EROSION CONTROL SHALL BE CERTIFIED AS WEED-FREE UNLESS MATERIALS COLLECTED ON-SITE, SUCH AS PINE NEEDLES, ARE USED.
27. DURING DEMOLITION AND CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL LIMIT THE AMOUNT OF DAILY CONSTRUCTION EQUIPMENT TRAFFIC BY STAGING HEAVY CONSTRUCTION EQUIPMENT AND VEHICLES ON THE PROJECT SITE AT THE END OF EACH WORKDAY RATHER THAN REMOVING THEM.
28. EMERGENCY ACCESS DURING ALL CONSTRUCTION ACTIVITIES SHALL BE MAINTAINED TO TRUCKEE FIRE DEPARTMENT SPECIFICATIONS.
29. IF AT ANY TIME DURING THE COURSE OF EXECUTING THE PROPOSED PROJECT, EVIDENCE OF SOIL AND/OR GROUNDWATER CONTAMINATION WITH HAZARDOUS MATERIAL IS ENCOUNTERED, THE APPLICANT SHALL IMMEDIATELY STOP THE PROJECT AND CONTACT ENVIRONMENTAL HEALTH SERVICES HAZARDOUS MATERIALS SECTION. THE PROJECT SHALL REMAIN STOPPED UNTIL THERE IS RESOLUTION OF THE CONTAMINATED PROBLEM TO THE SATISFACTION OF ENVIRONMENTAL HEALTH SERVICES AND TO CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD.
30. THE DISCHARGE OF FUELS, OILS, OR OTHER PETROLEUM PRODUCTS, CHEMICALS, DETERGENTS, CLEANERS, OR SIMILAR CHEMICALS TO THE SURFACE OF THE GROUND OR TO DRAINAGE WAYS ON, ADJACENT TO, THE SITE IS PROHIBITED.
31. WORK IN PUBLIC STREETS, ONCE STARTED, SHALL BE PERFORMED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO WATER CUSTOMERS, ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC. THE CONSTRUCTION OF WATER AND STREET IMPROVEMENTS SHALL ALLOW FOR THE PERPETUATION OF ALL EXISTING LEGAL ACCESSES AND EXISTING DRIVEWAYS.
32. ALL ROADSIDE DITCHES AND SHOULDERS SHALL BE RECONSTRUCTED TO ORIGINAL GRADES AND CONDITIONS.
33. TEMPORARY CONSTRUCTION FENCING: THE CONTRACTOR SHALL INSTALL A 4' TALL BRIGHTLY COLORED (USUALLY YELLOW OR ORANGE) SYNTHETIC MESH MATERIAL FENCE (OR AN EQUIVALENT APPROVED BY THE ENGINEER) AT THE FOLLOWING LOCATIONS PRIOR TO ANY CONSTRUCTION EQUIPMENT BEING MOVED ON-SITE OR ANY CONSTRUCTION ACTIVITIES TAKING PLACE.
AT THE LIMITS OF CONSTRUCTION OUTSIDE THE DRIPLENE OF ALL TREES 6" DBH (DIAMETER AT BREAST HEIGHT), OR 10" DBH AGGREGATE FOR MULTI-TRUNK TREES WITHIN 50' OF ANY GRADING, ROAD IMPROVEMENTS, UNDERGROUND UTILITIES OR OTHER DEVELOPMENT ACTIVITY, IDENTIFIED AQUATIC RESOURCES AS SHOWN ON PLANS, OR AS OTHERWISE SHOWN ON THE PLANS.

Table with columns for REVISIONS and REV DATE. Includes a record drawing stamp with DATE and ENGINEER INITIAL fields.



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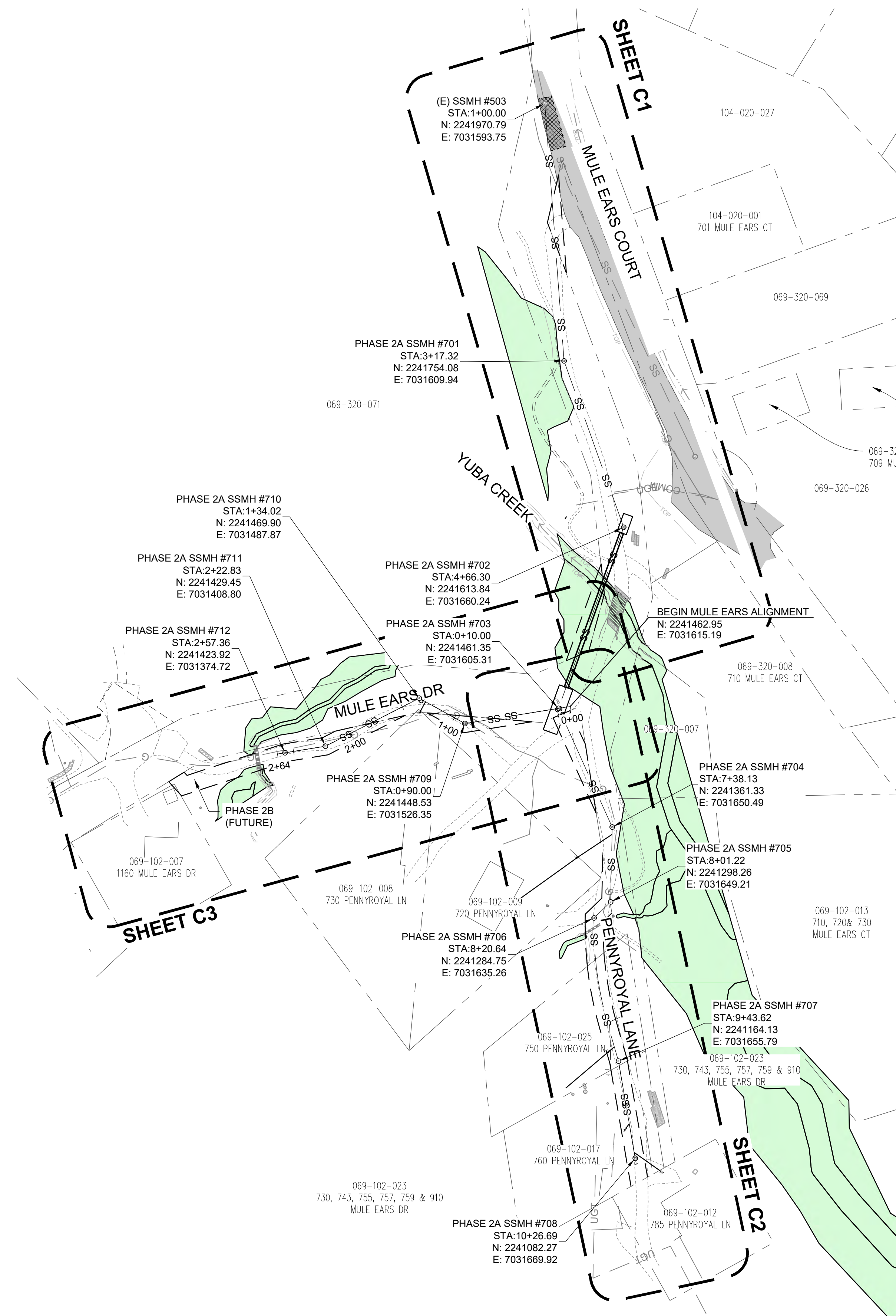
Project title: DONNER SUMMIT PUBLIC UTILITY DISTRICT SUGAR BOWL SEWER PHASE 2A. Notes, Abbreviations, and Legend section.

Scale information: HORIZONTAL and VERTICAL scales. Drawing number: G2. SHEET 2 of 10.

J:\77.02B\DWG\FINAL SHEETS\PHASE 2A\77.02B\_2A\_G2.DWG

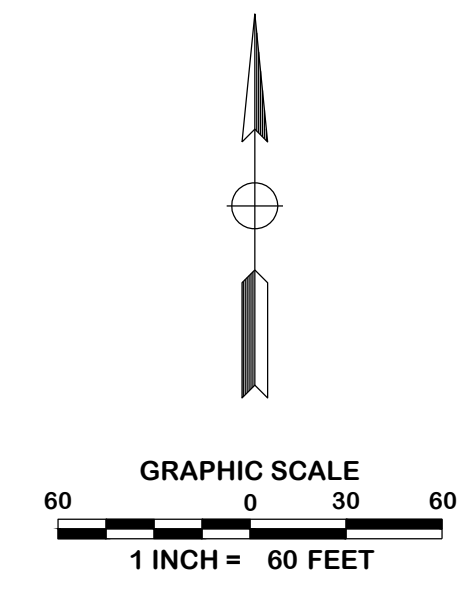


J:\77.02B\FINAL SHEETS\PHASE 2A\77.02B\_2A\_C4.DWG



ALIGNMENT NAME	STREET
PHASE 2A-1	PENNYROYAL LN
PHASE 2A-2	MULE EARS DRIVE

**MAP KEY**  
SCALE: 1" = 60'



REV	DATE	REVISIONS	BY

RECORD DRAWING  
DATE \_\_\_\_\_ ENGINEER INITIAL \_\_\_\_\_



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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
SHEET MAP KEY

NORDEN PLACER COUNTY CALIFORNIA

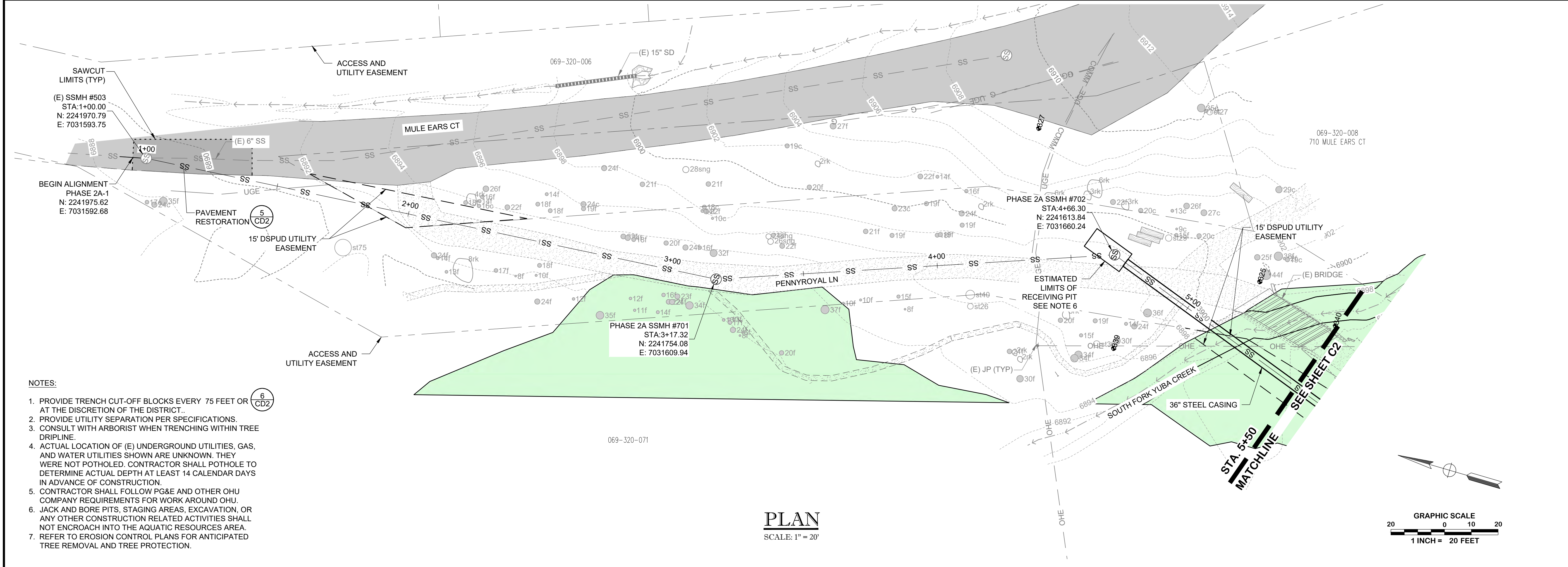
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PROJECT NUMBER:	77.02B
SURVEY BY:	AEC
SURVEY DATE:	AUGUST 2021
DESIGN BY:	CN/CA
DRAFTING BY:	CN/AVBR
CHECKED BY:	CA/WA
DATE:	NOVEMBER 10, 2023

SCALES:  
1" = 60'  
HORIZONTAL  
VERTICAL

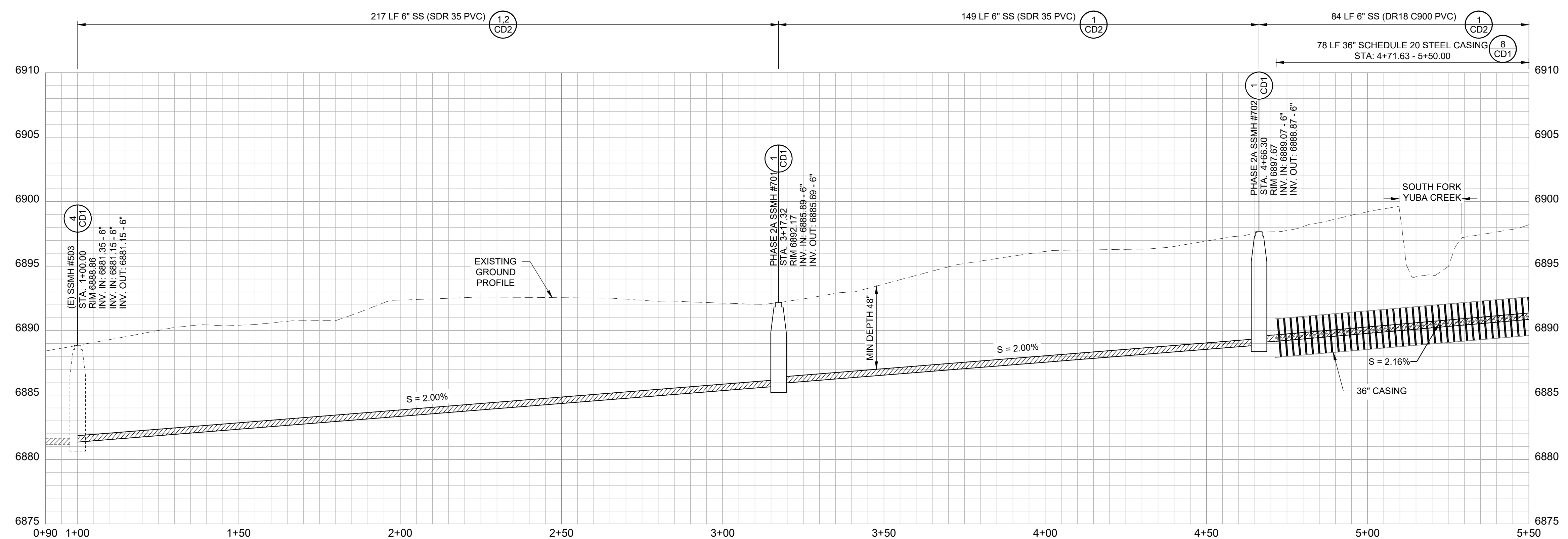
**G4**  
SHEET: 4 of 12

**100% IMPROVEMENT PLANS**



- NOTES:
1. PROVIDE TRENCH CUT-OFF BLOCKS EVERY 75 FEET OR AT THE DISCRETION OF THE DISTRICT.
  2. PROVIDE UTILITY SEPARATION PER SPECIFICATIONS.
  3. CONSULT WITH ARBORIST WHEN TRENCHING WITHIN TREE DRILLHOLE.
  4. ACTUAL LOCATION OF (E) UNDERGROUND UTILITIES, GAS, AND WATER UTILITIES SHOWN ARE UNKNOWN. THEY WERE NOT POTHOLED. CONTRACTOR SHALL POTHOLE TO DETERMINE ACTUAL DEPTH AT LEAST 14 CALENDAR DAYS IN ADVANCE OF CONSTRUCTION.
  5. CONTRACTOR SHALL FOLLOW PG&E AND OTHER OHU COMPANY REQUIREMENTS FOR WORK AROUND OHU.
  6. JACK AND BORE PITS, STAGING AREAS, EXCAVATION, OR ANY OTHER CONSTRUCTION RELATED ACTIVITIES SHALL NOT ENCROACH INTO THE AQUATIC RESOURCES AREA.
  7. REFER TO EROSION CONTROL PLANS FOR ANTICIPATED TREE REMOVAL AND TREE PROTECTION.

**PLAN**  
SCALE: 1" = 20'



**PROFILE**  
SCALE: 1" = 20' (H) 1" = 5' (V)

REV	DATE	REVISIONS

RECORD DRAWING  
DATE: ENGINEER INITIAL:



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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
PENNYROYAL LN  
STA 0+00 - 5+50  
PLACER COUNTY CALIFORNIA  
NORDEN

BAR IS ONE INCH ON ORIGINAL DRAWING

PROJECT NUMBER:	77-02B
SURVEY BY:	AEC
SURVEY DATE:	AUGUST 2021
DESIGN BY:	CN/CA
DRAFTING BY:	CN/AVBR
CHECKED BY:	CAWA
DATE:	NOVEMBER 10, 2023

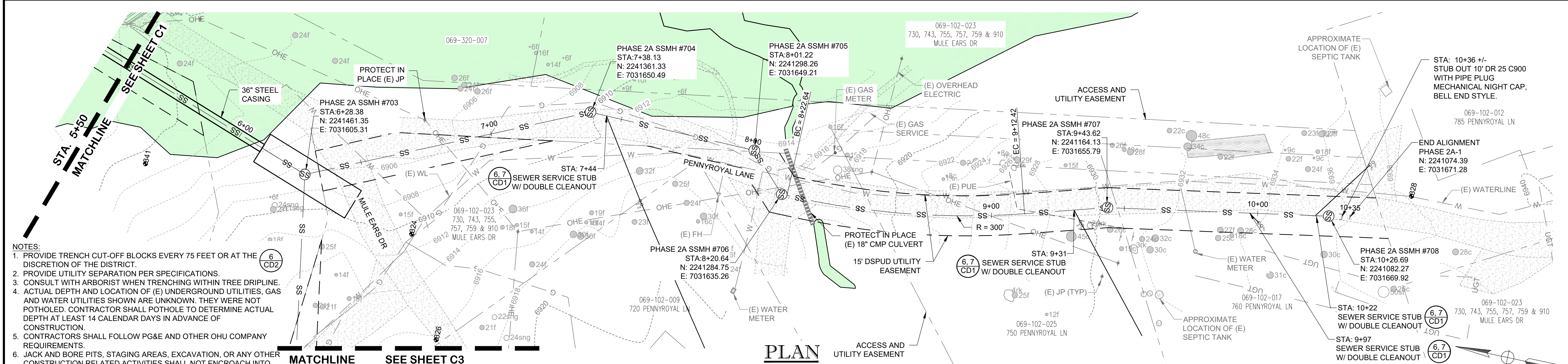
SCALES:  
1" = 20'  
HORIZONTAL  
1" = 20'  
VERTICAL

**C1**  
SHEET: 5 of 12

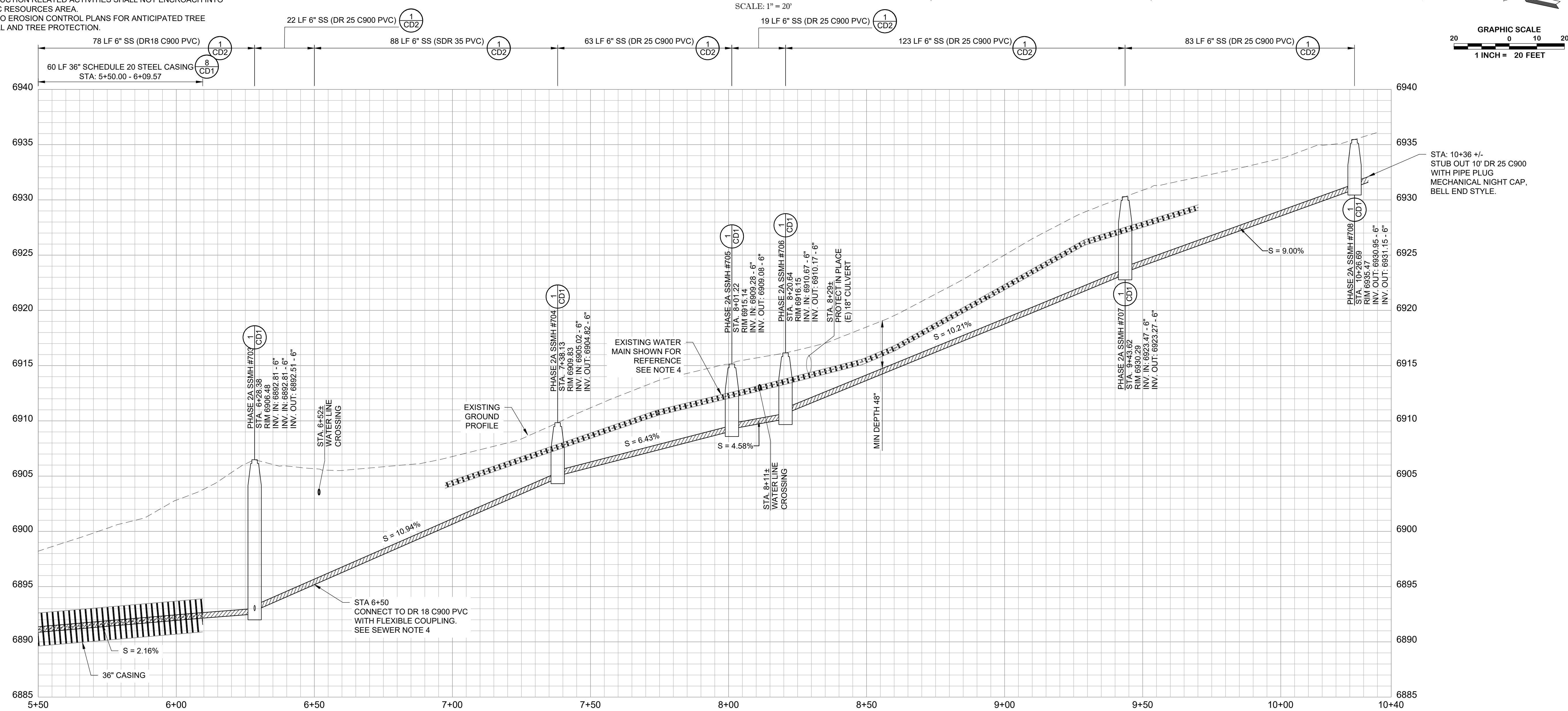
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100% IMPROVEMENT PLANS

J:\177.02B\DWG\FINAL SHEETS\PHASE 2A\177.02B\_2A\_C2.DWG



- NOTES:**
1. PROVIDE TRENCH CUT-OFF BLOCKS EVERY 75 FEET OR AT THE DISCRETION OF THE DISTRICT.
  2. PROVIDE UTILITY SEPARATION PER SPECIFICATIONS.
  3. CONSULT WITH ARBORIST WHEN TRENCHING WITHIN TREE DRIPLINE.
  4. ACTUAL DEPTH AND LOCATION OF (E) UNDERGROUND UTILITIES, GAS AND WATER UTILITIES SHOWN ARE UNKNOWN. THEY WERE NOT POTHOLED. CONTRACTOR SHALL POTHOLE TO DETERMINE ACTUAL DEPTH AT LEAST 14 CALENDAR DAYS IN ADVANCE OF CONSTRUCTION.
  5. CONTRACTORS SHALL FOLLOW PG&E AND OTHER OHU COMPANY REQUIREMENTS.
  6. JACK AND BORE PITS, STAGING AREAS, EXCAVATION, OR ANY OTHER CONSTRUCTION RELATED ACTIVITIES SHALL NOT ENCRoACH INTO AQUATIC RESOURCES AREA.
  7. REFER TO EROSION CONTROL PLANS FOR ANTICIPATED TREE REMOVAL AND TREE PROTECTION.



REV	DATE	DESCRIPTION

RECORD DRAWING  
DATE: ENGINEER INITIAL:



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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
PENNYROYAL LN  
STA 5+50 - 10+35

NORDEN PLACER COUNTY CALIFORNIA

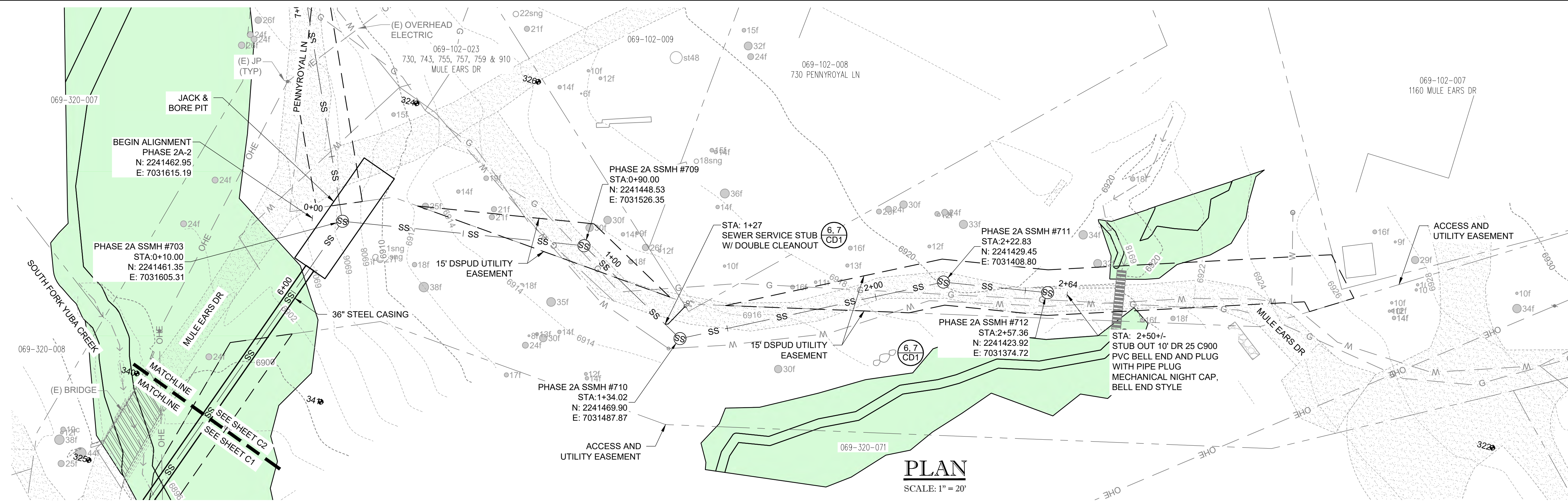
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SURVEY BY:	AEC
SURVEY DATE:	AUGUST 2021
DESIGN BY:	CN/CA
DRAFTING BY:	CN/AWB/R
CHECKED BY:	CA/WA
DATE:	NOVEMBER 10, 2023

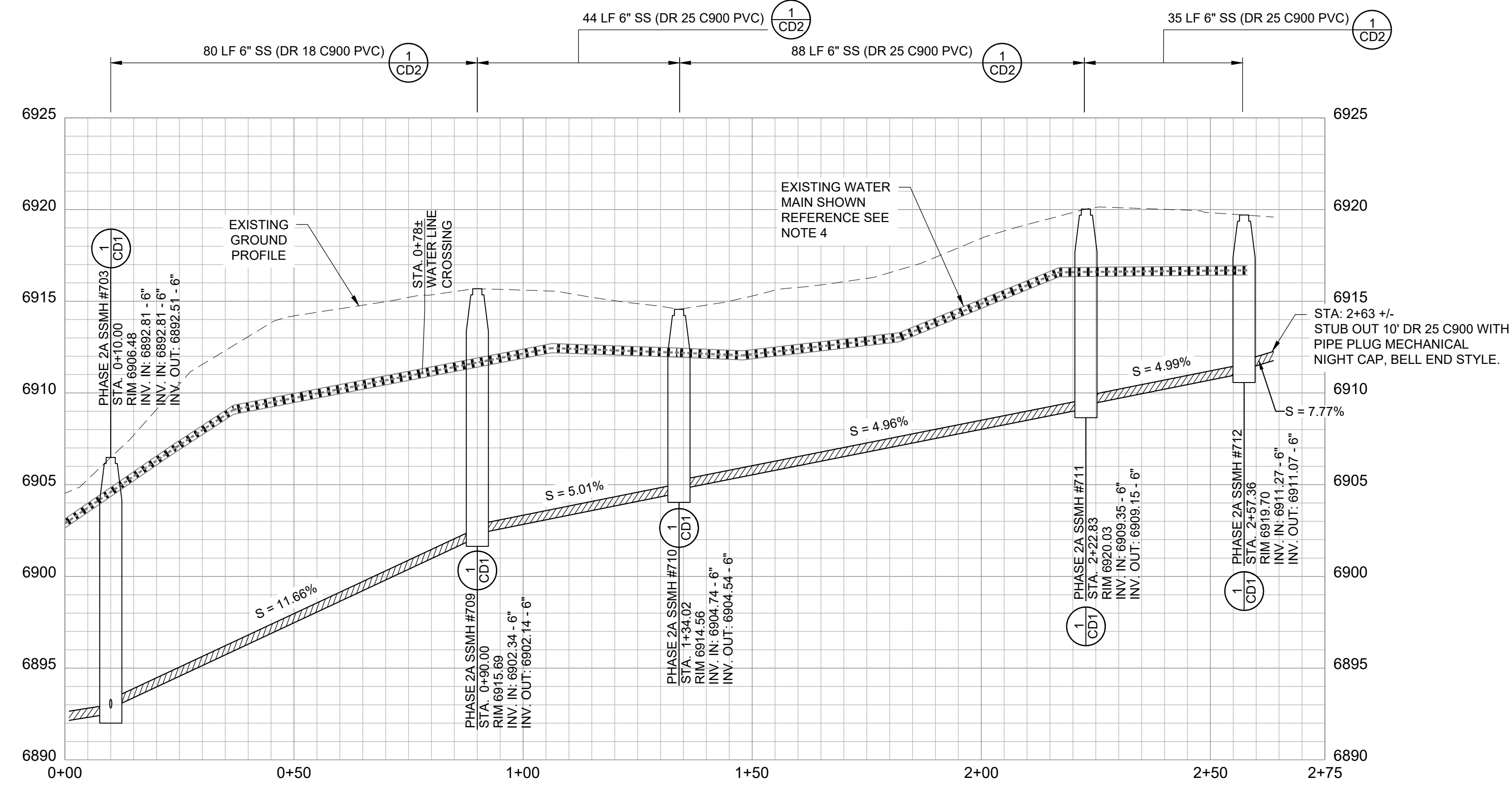
SCALES:  
1" = 20'  
HORIZONTAL  
1" = 20'  
VERTICAL

**C2**  
SHEET: 6 of 12

**100% IMPROVEMENT PLANS**



- NOTES:**
1. PROVIDE TRENCH CUT-OFF BLOCKS EVERY 75 FEET OR AT THE DISCRETION OF THE DISTRICT.
  2. PROVIDE UTILITY SEPARATION PER SPECIFICATIONS.
  3. CONSULT WITH ARBORIST WHEN TRENCHING WITHIN TREE DRIFLINE.
  4. ACTUAL LOCATION OF (E) UNDERGROUND UTILITIES, GAS, AND WATER UTILITIES SHOWN ARE UNKNOWN. THEY WERE NOT POTHOLED. CONTRACTOR SHALL POTHOLE TO DETERMINE ACTUAL DEPTH AT LEAST 14 CALENDAR DAYS IN ADVANCE OF CONSTRUCTION.
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  7. REFER TO EROSION CONTROL PLANS FOR ANTICIPATED TREE REMOVAL AND TREE PROTECTION.



REV	DATE	REVISIONS	BY

RECORD DRAWING  
DATE: \_\_\_\_\_ ENGINEER INITIAL: \_\_\_\_\_



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**DONNER SUMMIT PUBLIC UTILITY DISTRICT**  
**SUGAR BOWL SEWER**  
**PHASE 2A**

**MULE EARS DR**  
**STA 0+00 - 2+75**

NORDEN      PLACER COUNTY      CALIFORNIA

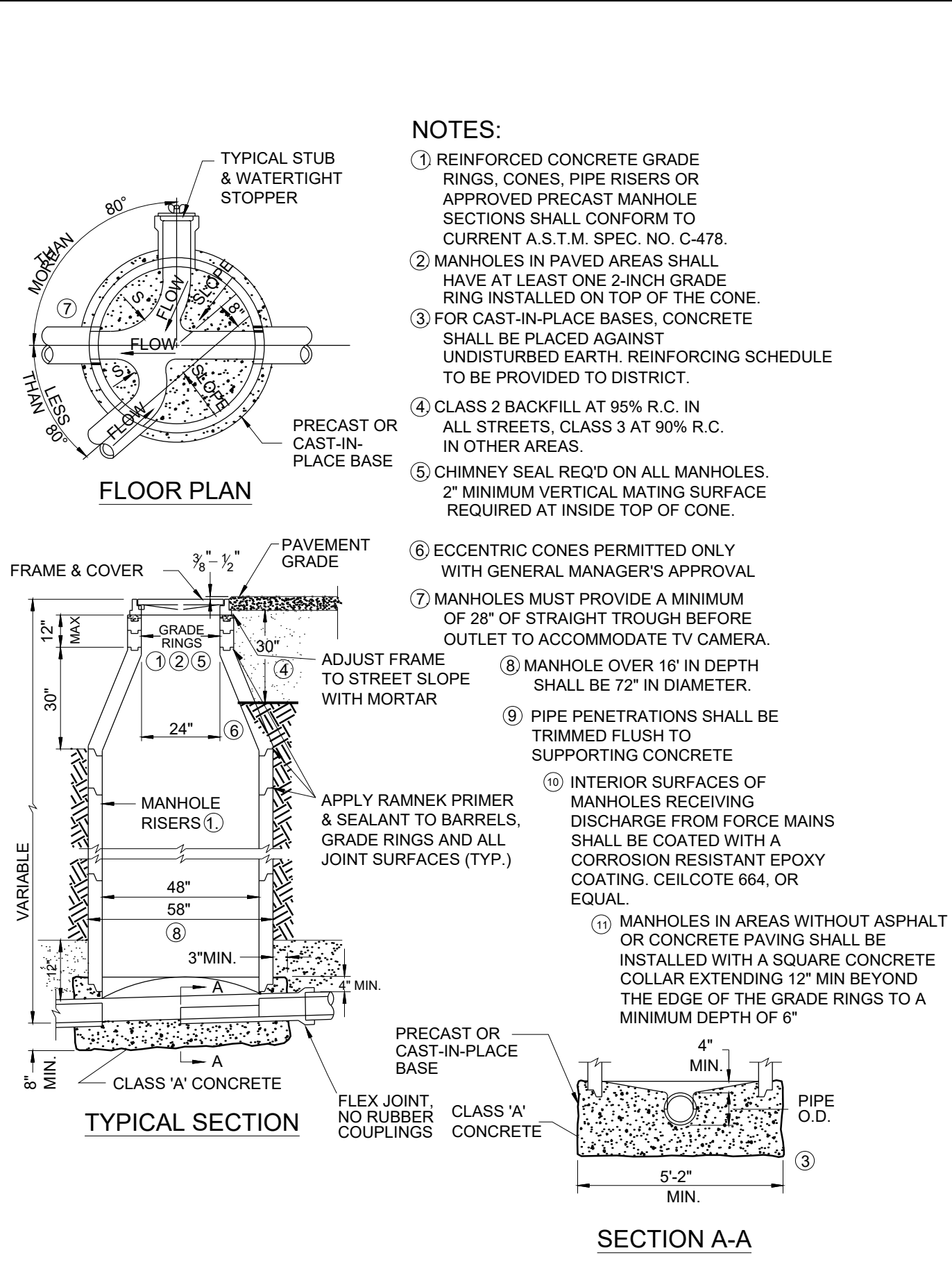
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SURVEY DATE: AUGUST 2021  
DRAFTING BY: CN/CA  
CHECKED BY: CA/WA

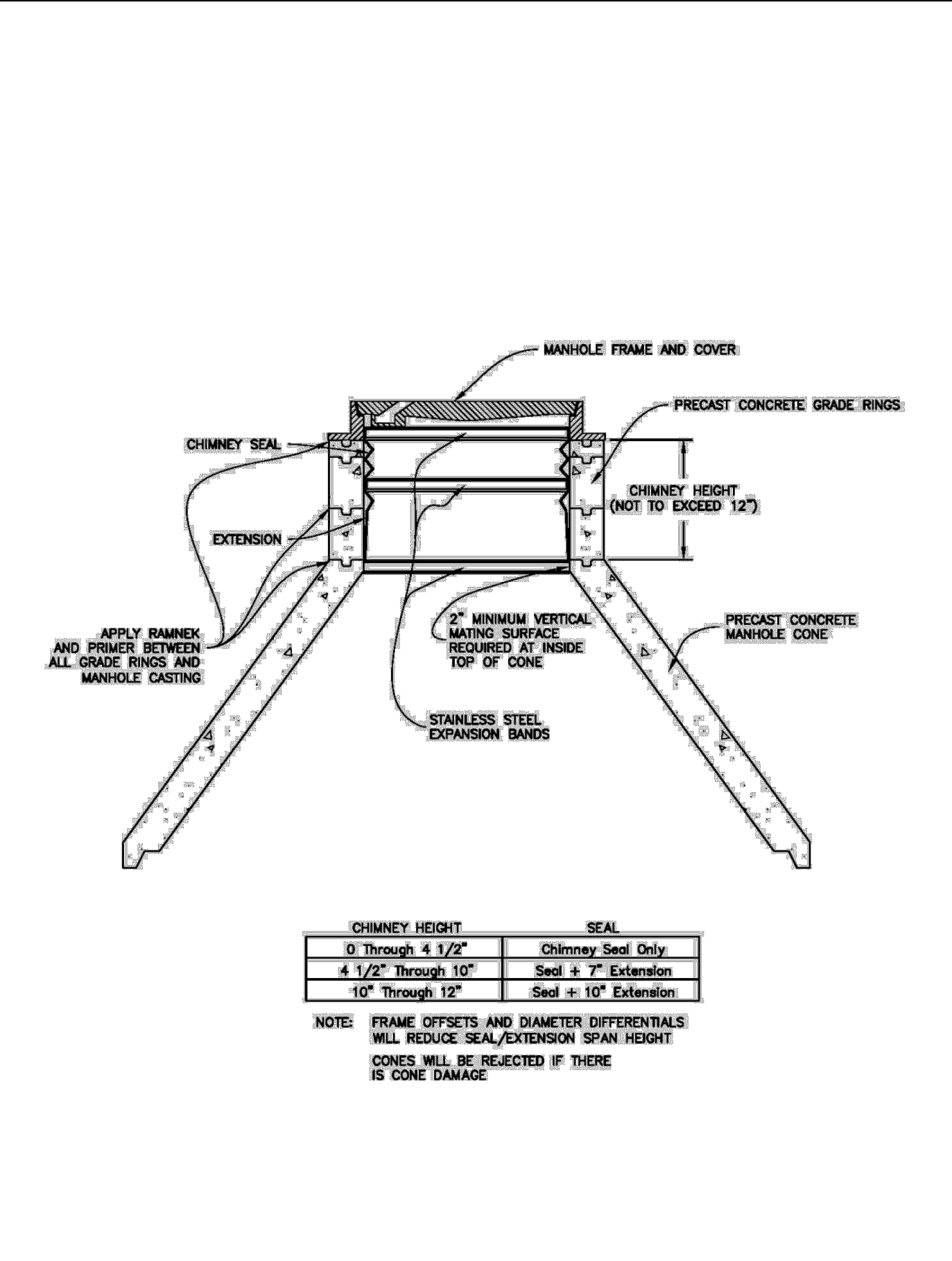
DATE: NOVEMBER 10, 2023

SCALES:  
HORIZONTAL: 1" = 20'  
VERTICAL: 1" = 5'

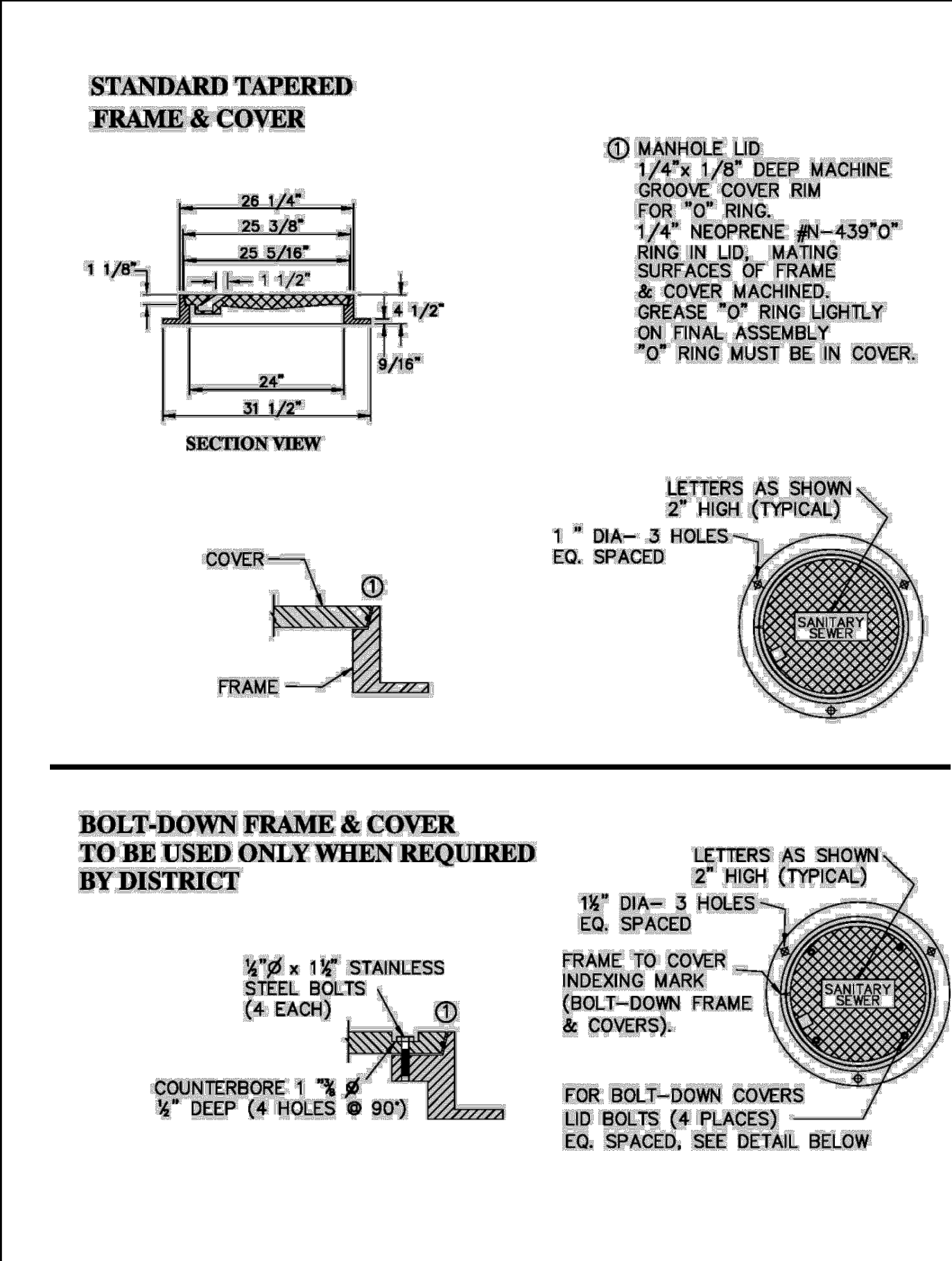
**C3**  
SHEET: 7 of 12



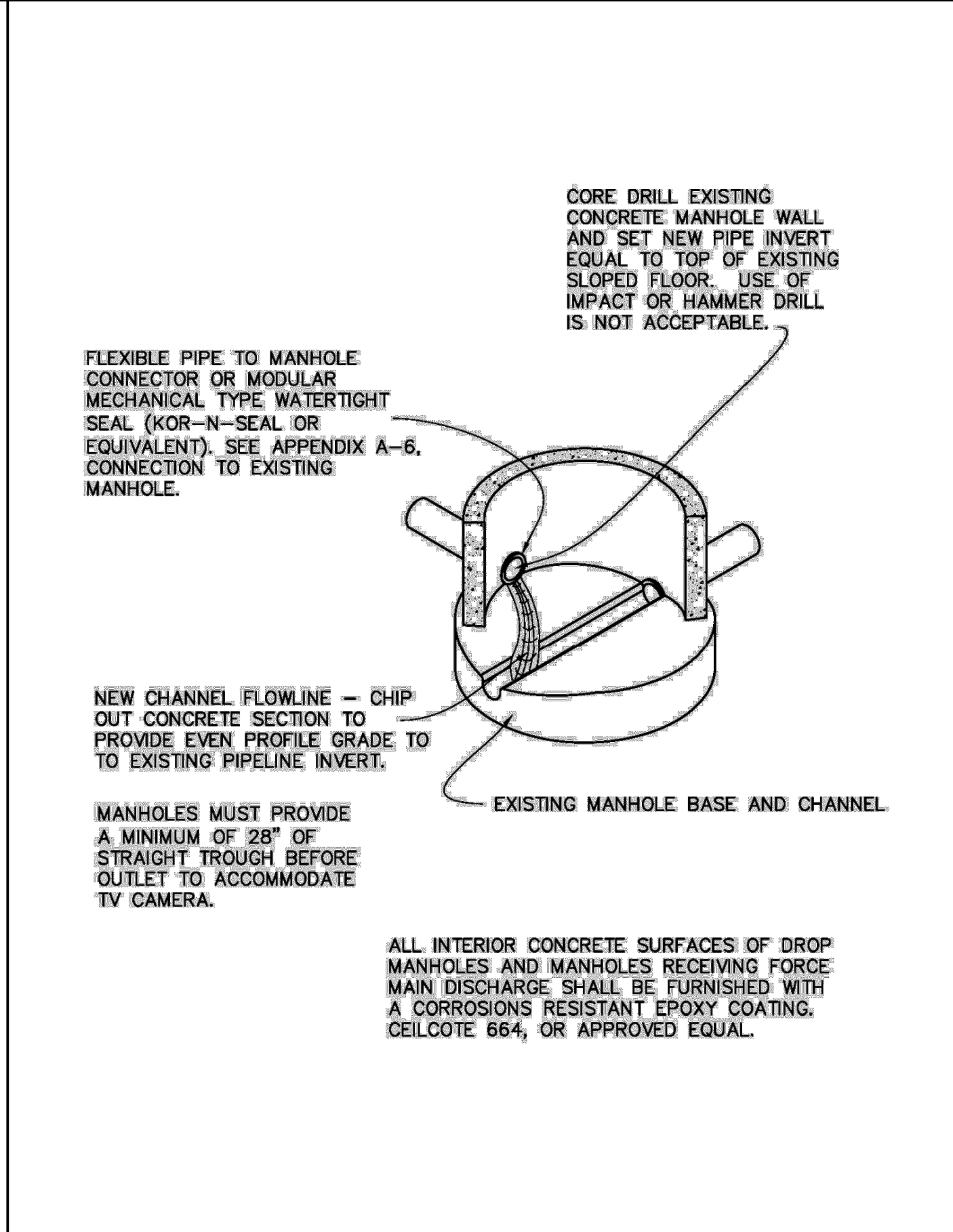
**1 TYPE 'A' MANHOLE**



**2 INTERNAL MANHOLE CHIMNEY SEAL**



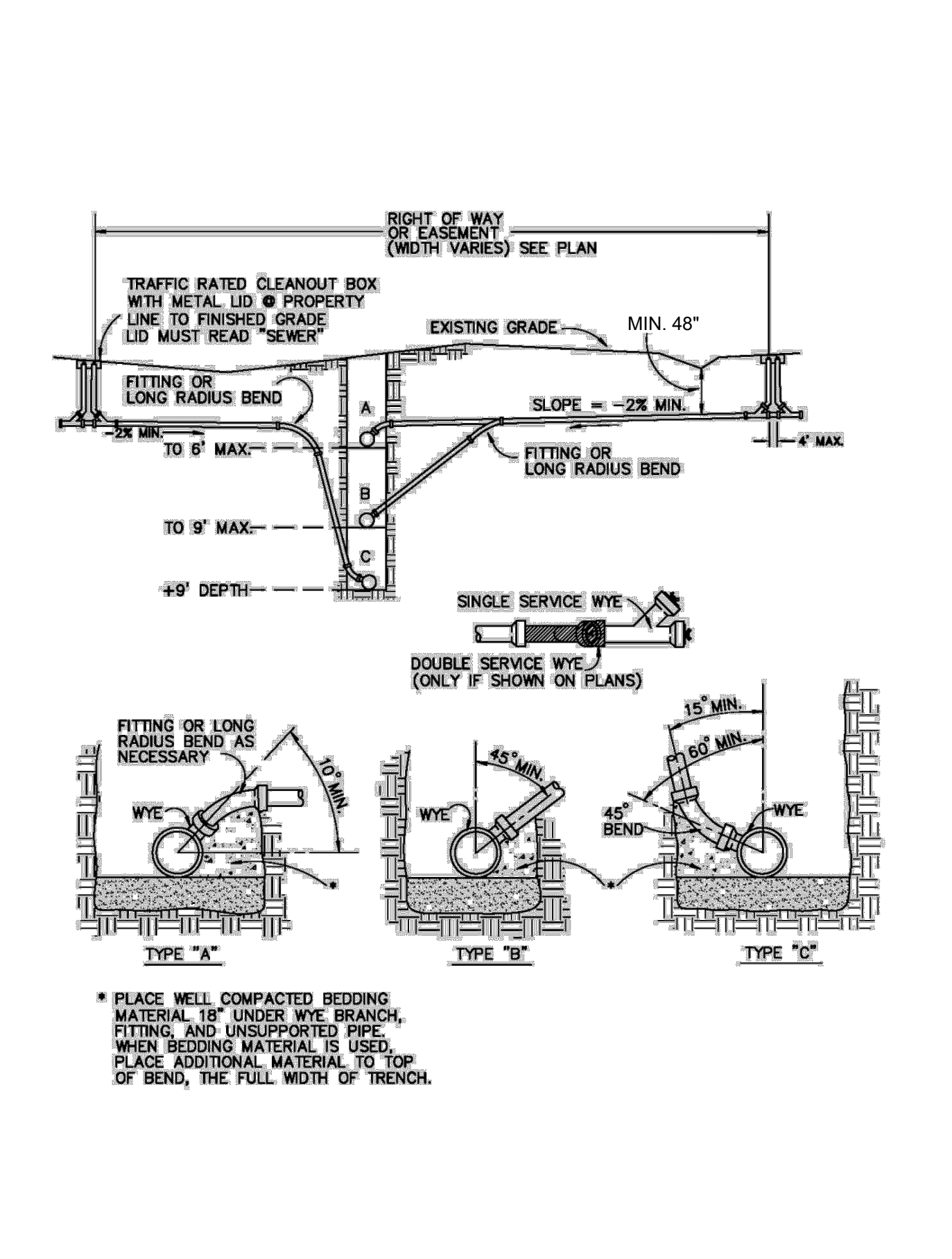
**3 MANHOLE COVER AND FRAME**



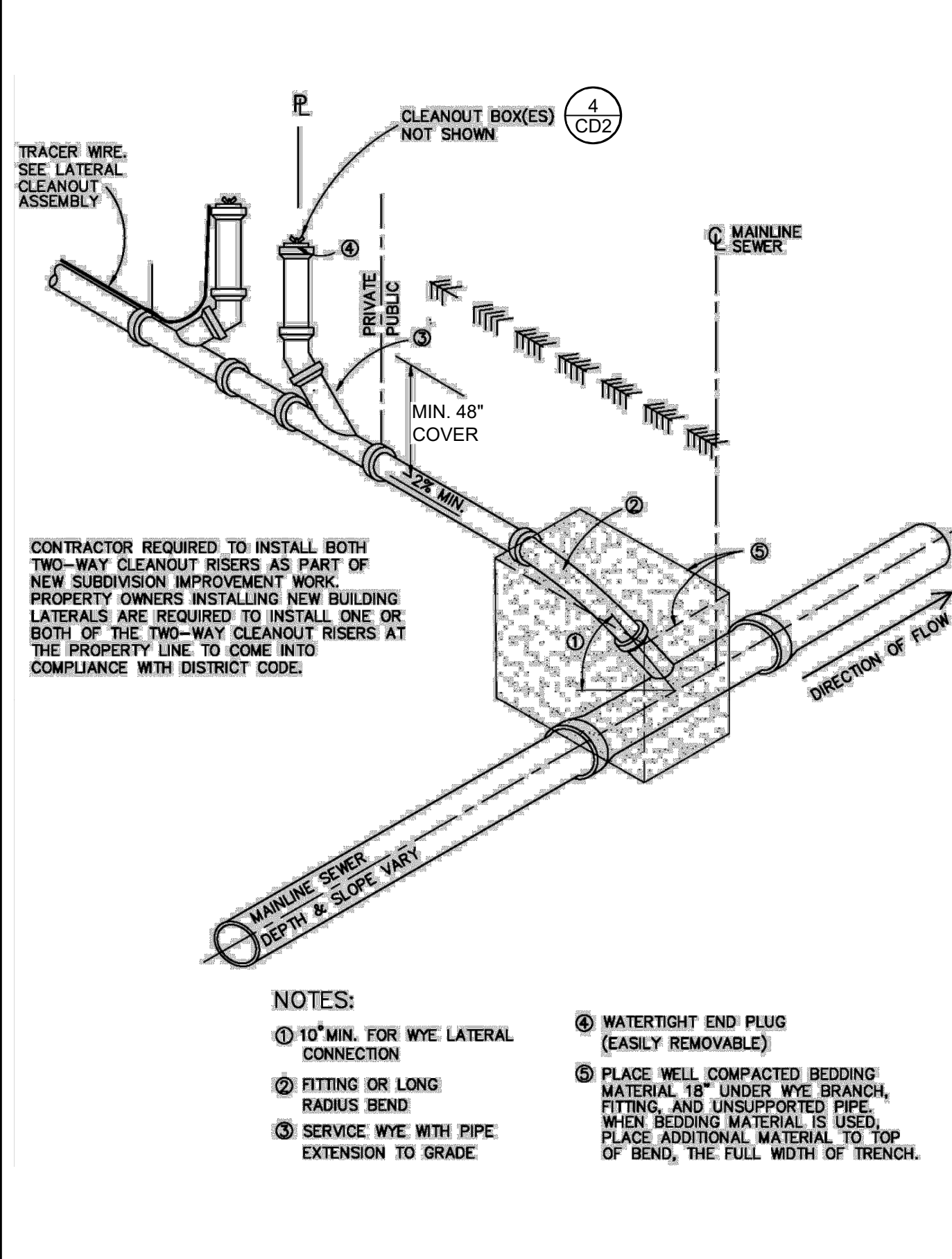
**4 PIPE CONNECTION TO EXISTING MANHOLE**



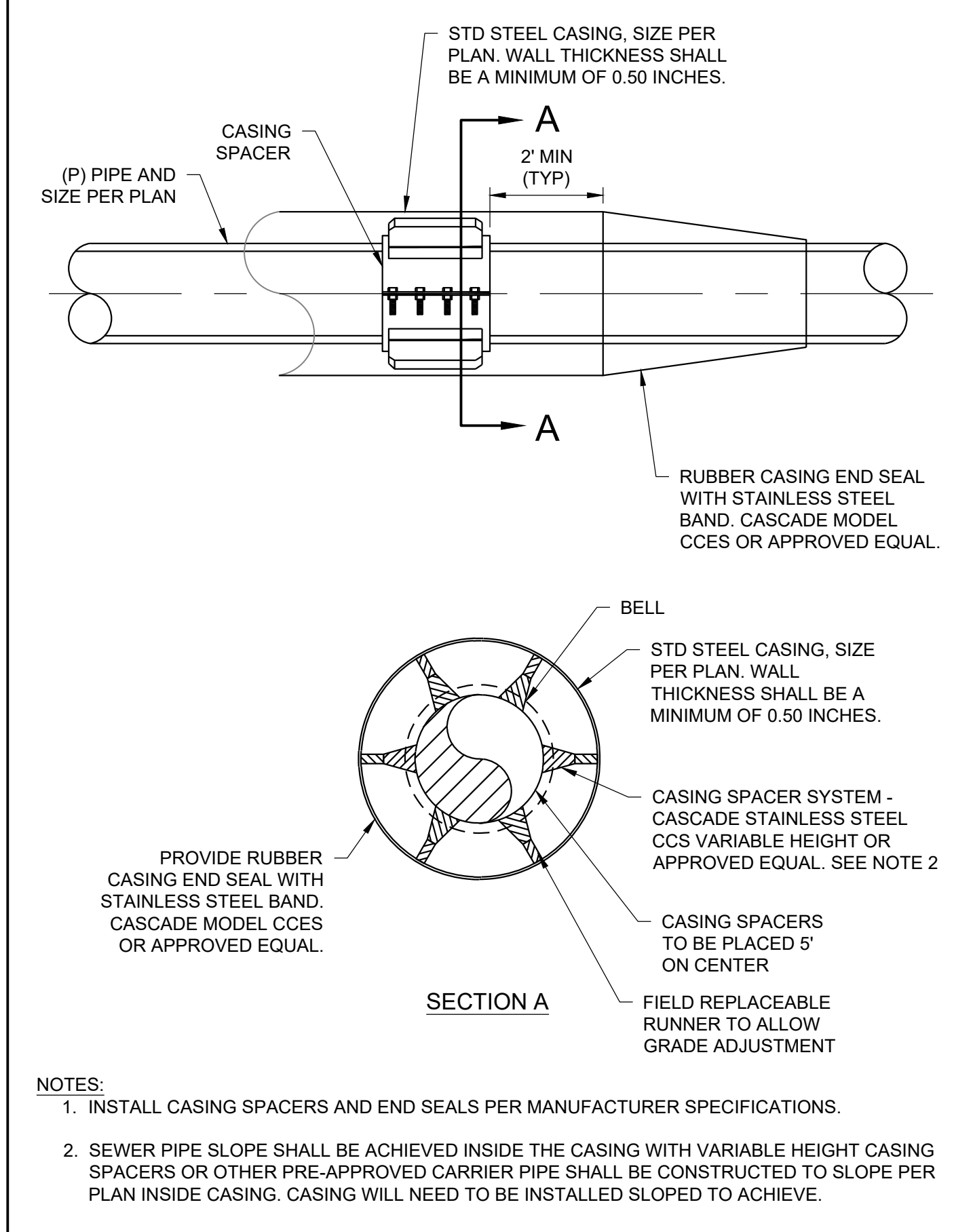
**5 NOT USED**



**6 SEWER LATERAL PROFILE VIEW**

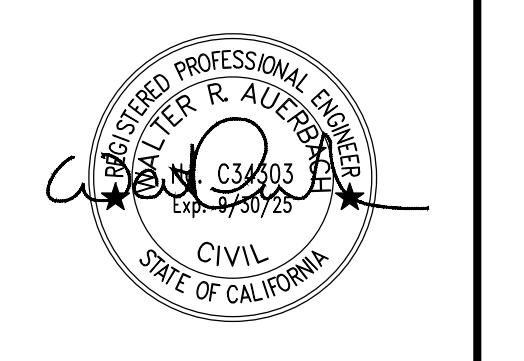


**7 SEWER LATERAL ISOMETRIC VIEW**



**8 CASING DETAIL**

REV	DATE	REVISIONS



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**DONNER SUMMIT PUBLIC UTILITY DISTRICT**

**SUGAR BOWL SEWER PHASE 2A**

**CIVIL DETAILS**

NORDEN PLACER COUNTY CALIFORNIA

100% IMPROVEMENT PLANS

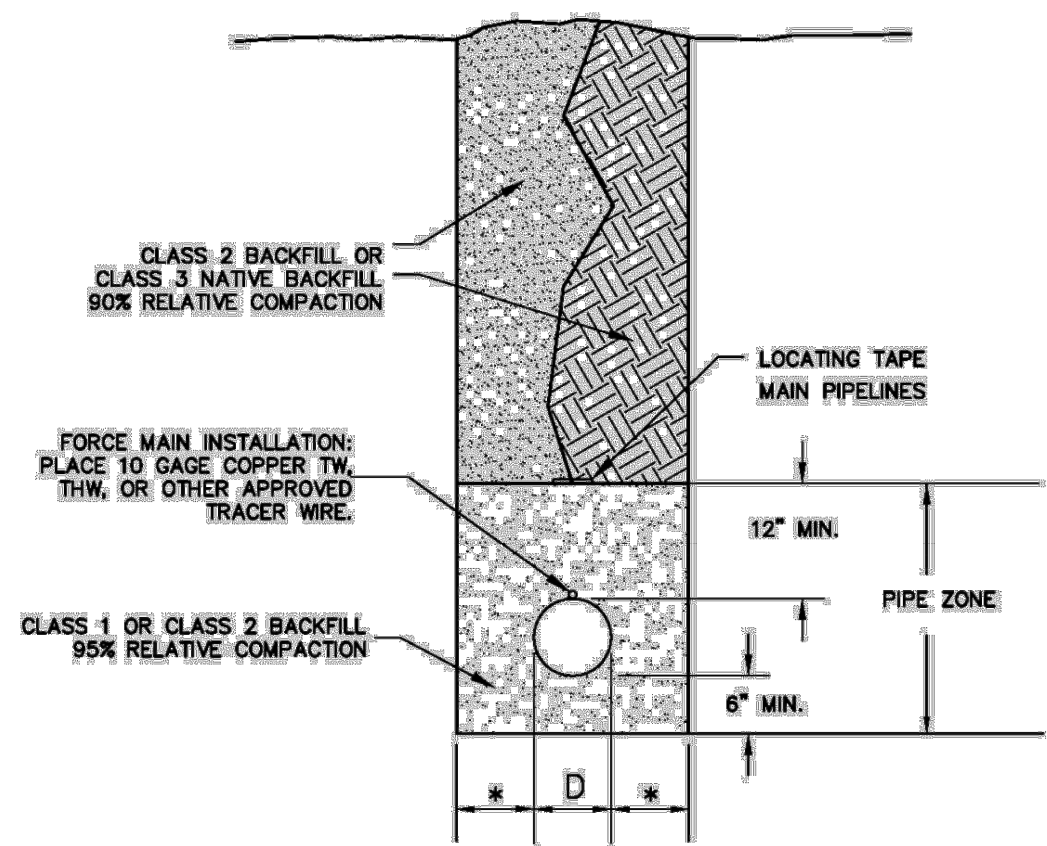
SCALE: HORIZONTAL

PROJECT NUMBER: 77-02B  
 SURVEY BY: AEC  
 SURVEY DATE: AUGUST 2021  
 DESIGN BY: CN/CA  
 DRAFTING BY: CN/AV/BR  
 CHECKED BY: CA/WA  
 DATE: NOVEMBER 10, 2023

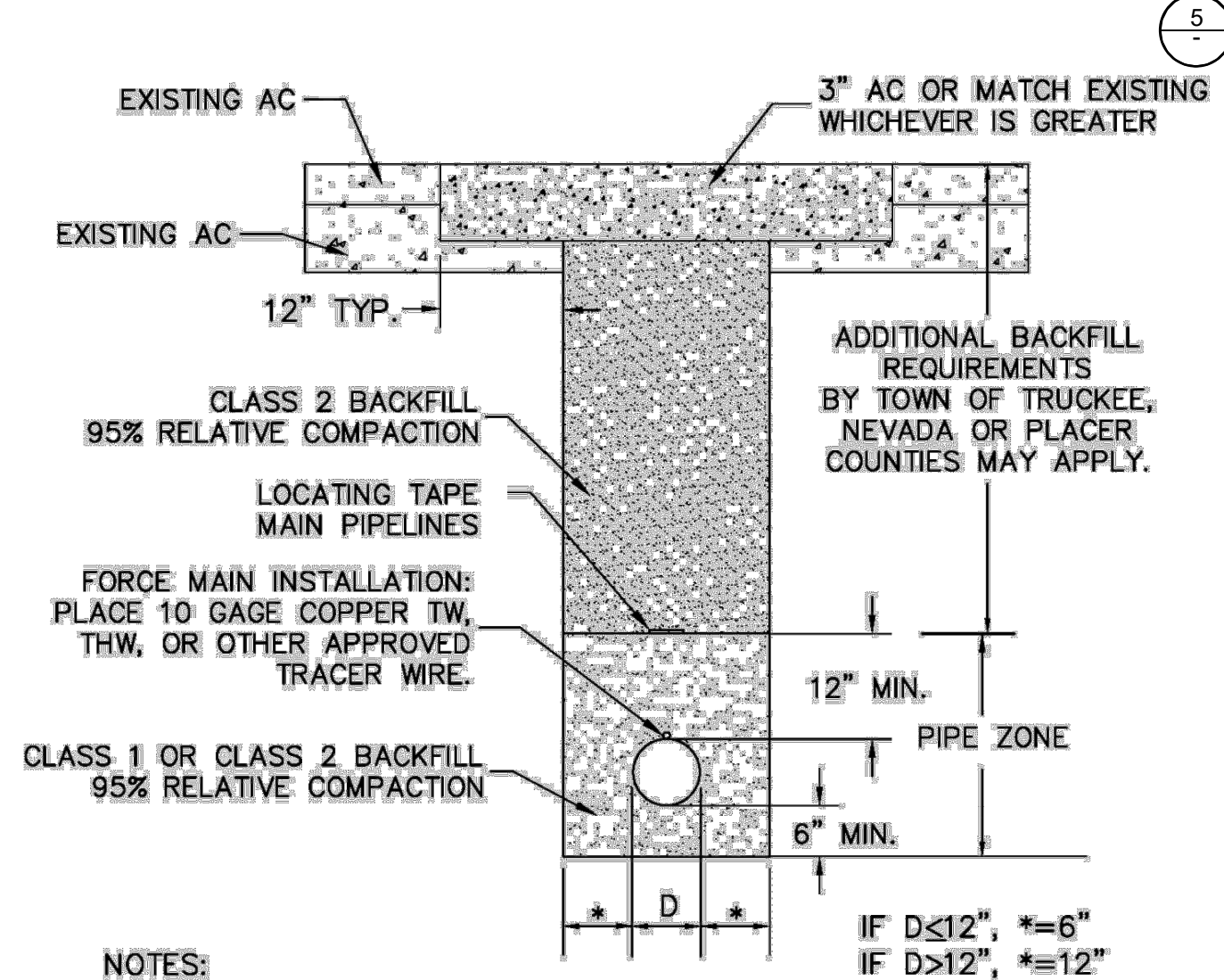
CD1

SHEET: 8 of 12

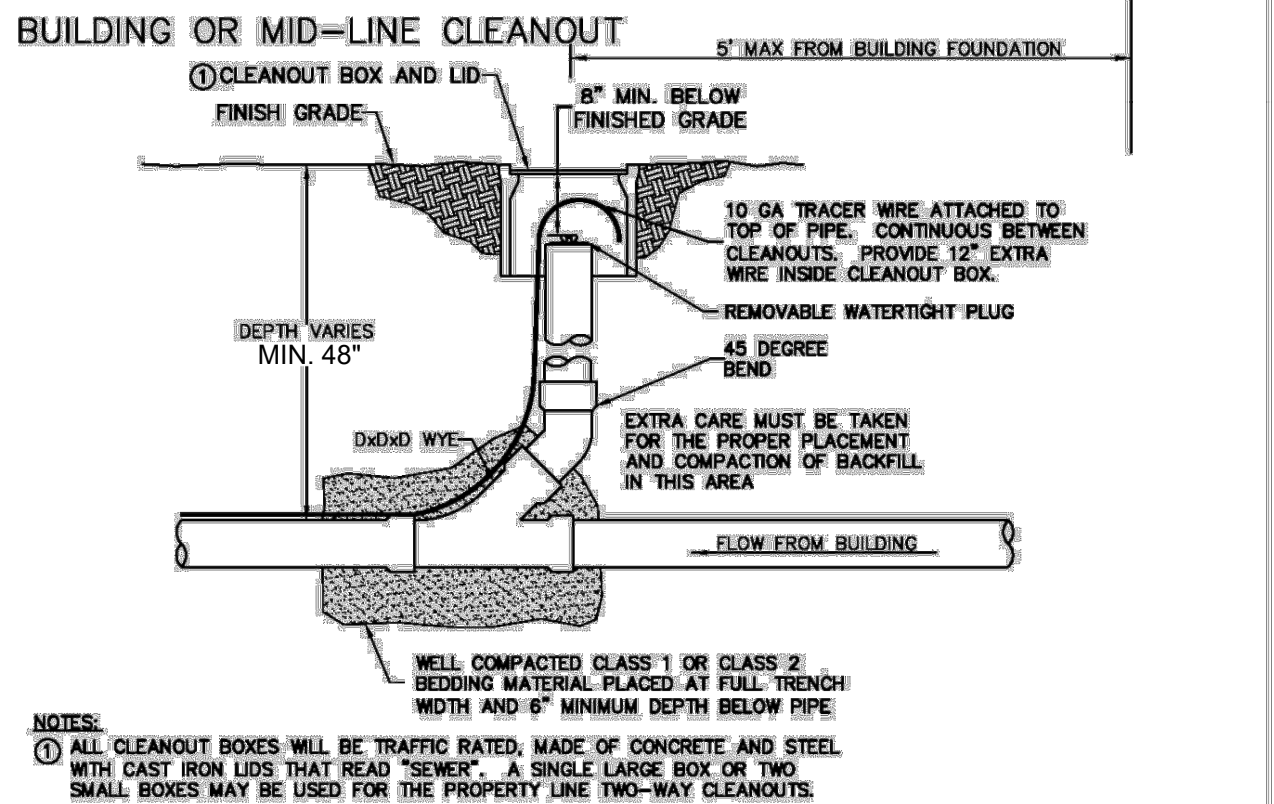
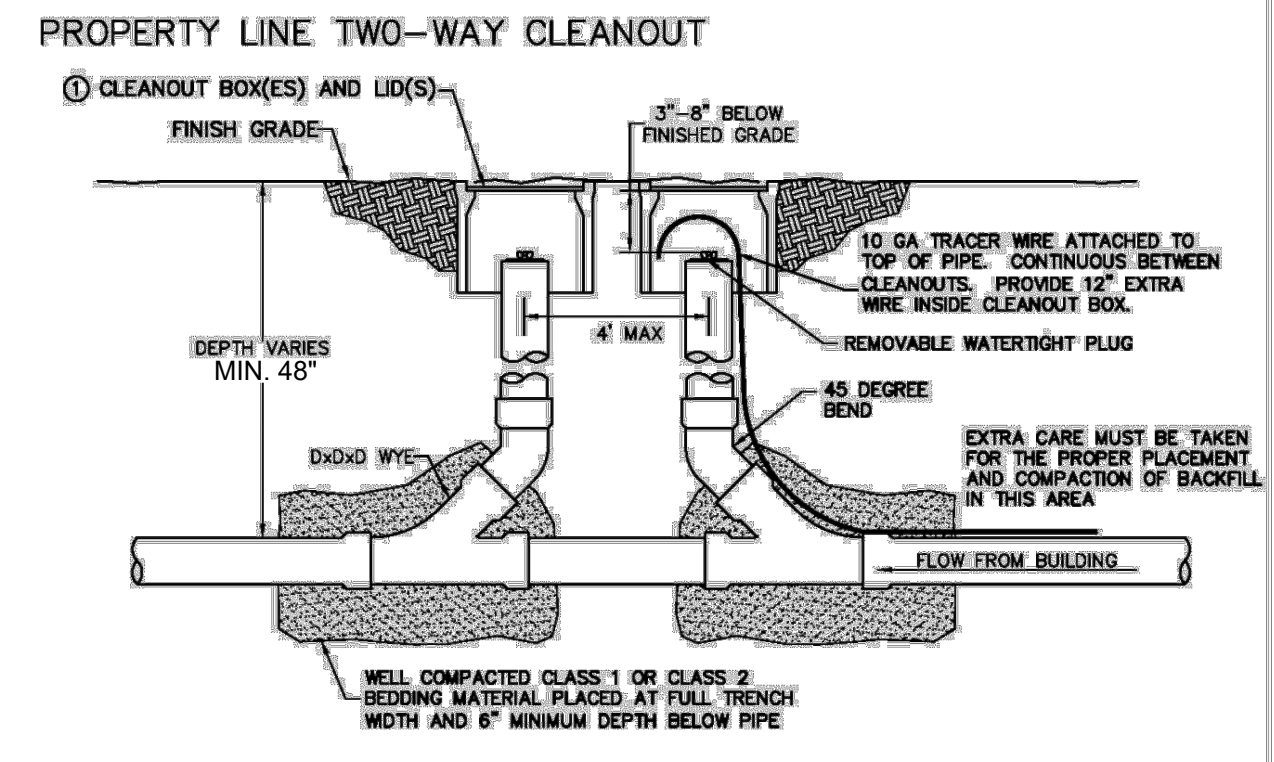




- NOTES:  
 1. ALL SEWERAGE WORKS TO MEET OR EXCEED TRUCKEE SANITARY DISTRICT CODE REQUIREMENTS.  
 2. D = PIPE DIAMETER.  
 3. TRENCH BRACING OR SHORING AS REQ'D BY THE "CONSTRUCTION SAFETY ORDER", STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS.



- NOTES:  
 1. ALL SEWERAGE WORKS TO MEET OR EXCEED TRUCKEE SANITARY DISTRICT CODE REQUIREMENTS.  
 2. D = PIPE DIAMETER.  
 3. TRENCH BRACING OR SHORING AS REQ'D BY THE "CONSTRUCTION SAFETY ORDERS", STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS.  
 4. SAWCUT OR GRIND EX. PAVEMENT A MINIMUM OF ONE (1) FOOT BEYOND EACH SIDE OF THE LONGITUDINAL OR TRANSVERSE EXCAVATION.



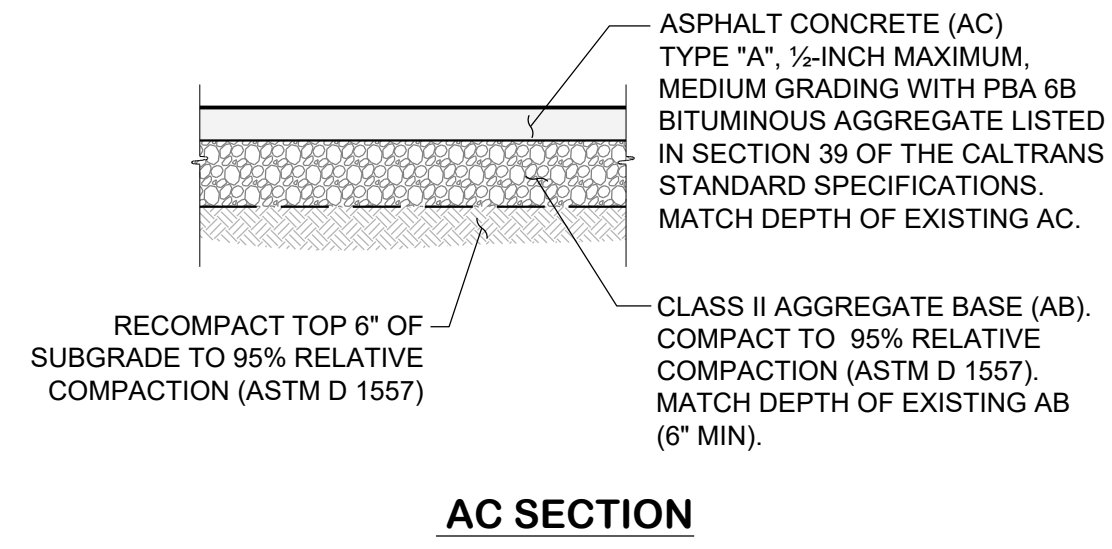
- NOTES:  
 1. ALL CLEANOUT BOXES WILL BE TRAFFIC RATED, MADE OF CONCRETE AND STEEL WITH CAST IRON LIDS THAT READ "SEWER". A SINGLE LARGE BOX OR TWO SMALL BOXES MAY BE USED FOR THE PROPERTY LINE TWO-WAY CLEANOUTS.

1 TYPICAL SEWER TRENCH (NON-TRAFFIC)

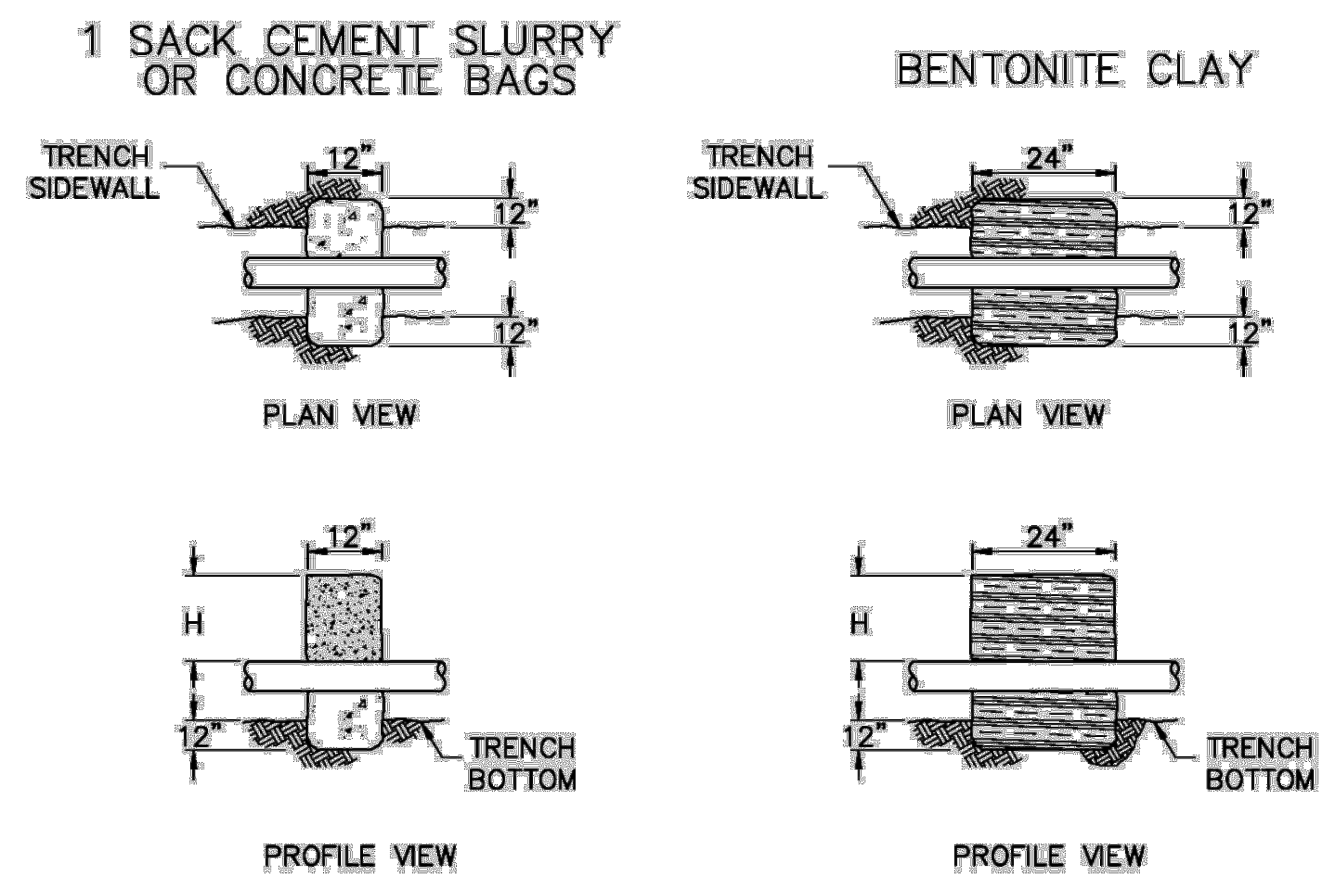
2 TYPICAL SEWER TRENCH (EXISTING ROAD)

3 NOT USED

4 LATERAL CLEANOUT ASSEMBLY



- NOTES:  
 1. SEAL ALL EXISTING AC AT SAWCUTS WITH ASPHALTIC EMULSION.  
 2. CONTRACTOR TO REFERENCE THE NV5 GEOTECHNICAL REPORT REQUIREMENTS FOR PAVING, BASE, AND SUBGRADE PREPARATION AND INSPECTION.



H = 12" ABOVE SEASONAL HIGH GROUNDWATER TABLE (36" MIN.)

5 AC PAVEMENT TO MATCH EXISTING

6 TRENCH CUT-OFF BLOCKS

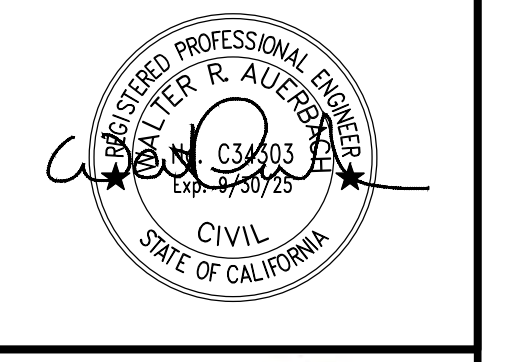
7 NOT USED

8 NOT USED

REV	DATE	DESCRIPTION

RECORD DRAWING

DATE: ENGINEER INITIAL:



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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
**CIVIL DETAILS**

NORDEN PLACER COUNTY CALIFORNIA

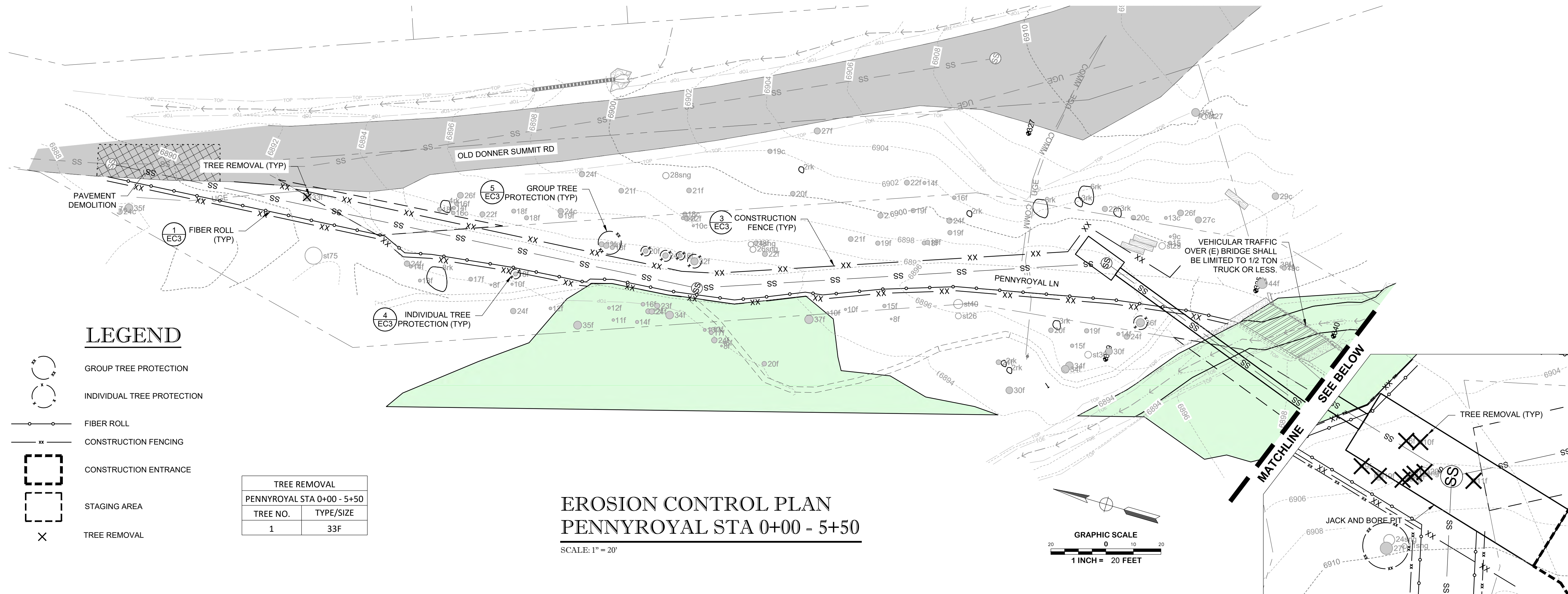
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SURVEY BY:	AEC
SURVEY DATE:	AUGUST 2021
DESIGN BY:	CN/CA
DRAFTING BY:	CN/AV/BR
CHECKED BY:	CA/WA
DATE:	NOVEMBER 10, 2023

SCALES:  
 HORIZONTAL: **CD2**  
 VERTICAL: SHEET 9 OF 12

J:\77.02B\DWG\FINAL SHEETS\PHASE 2A\77.02B\_PHA2A\_CD2.DWG

100% IMPROVEMENT PLANS



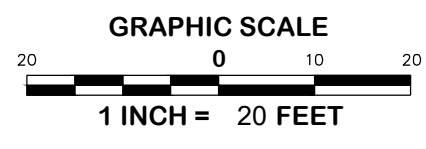
**LEGEND**

- GROUP TREE PROTECTION
- INDIVIDUAL TREE PROTECTION
- FIBER ROLL
- CONSTRUCTION FENCING
- CONSTRUCTION ENTRANCE
- STAGING AREA
- TREE REMOVAL

TREE REMOVAL	
TREE NO.	TYPE/SIZE
1	33F

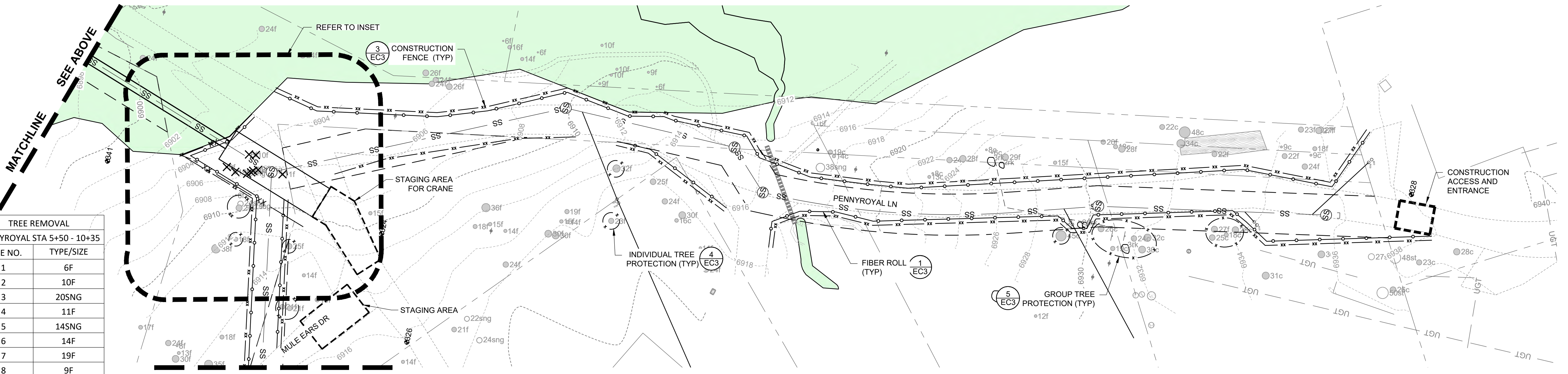
**EROSION CONTROL PLAN  
PENNYROYAL STA 0+00 - 5+50**

SCALE: 1" = 20'



**INSET**

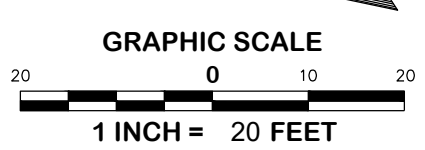
SCALE: 1" = 10'



TREE REMOVAL	
TREE NO.	TYPE/SIZE
1	6F
2	10F
3	20SNG
4	11F
5	14SNG
6	14F
7	19F
8	9F
9	6SNG

**EROSION CONTROL PLAN  
PENNYROYAL STA 5+50 - 10+35**

SCALE: 1" = 20'



- NOTES:**
- CONTRACTOR SHALL CONSULT WITH AN ARBORIST REGARDING TREES NOT MARKED FOR REMOVAL. THE ARBORIST SHALL DETERMINE IF TREES NOT MARKED FOR REMOVAL WILL REMAIN HEALTHY WHERE ADJACENT TO IMPROVEMENTS.
  - MAIN SITE ACCESS DURING CONSTRUCTION SHALL BE AT THE SOUTH SIDE OF PENNYROYAL LN. CLOSE TO THE DISNEY SKI LIFT. THE BRIDGE TOWARDS THE NORTH SIDE OF PENNYROYAL IS ACCESSIBLE FOR PASSENGER VEHICLE USE AND CAN BE UTILIZED BY NO MORE THAN A 1/2 TON TRUCK. DURING THE SPRING OR FALL, ACCESS WILL HAVE TO BE FROM EITHER MULE EARS DRIVE OR VIA THE BRIDGE.

REV. DATE	REVISIONS	BY

RECORD DRAWING

DATE:      ENGINEER INITIAL:



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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**

**EROSION CONTROL PLAN  
PENNYROYAL LN**

NORDEN      PLACER COUNTY      CALIFORNIA

PROJECT NUMBER: 77.02B  
 SURVEY BY: AEC  
 SURVEY DATE: AUGUST 2021  
 DESIGN BY: CNCA  
 DRAFTING BY: CN/AV/BR  
 CHECKED BY: CAWA  
 DATE: NOVEMBER 10, 2023

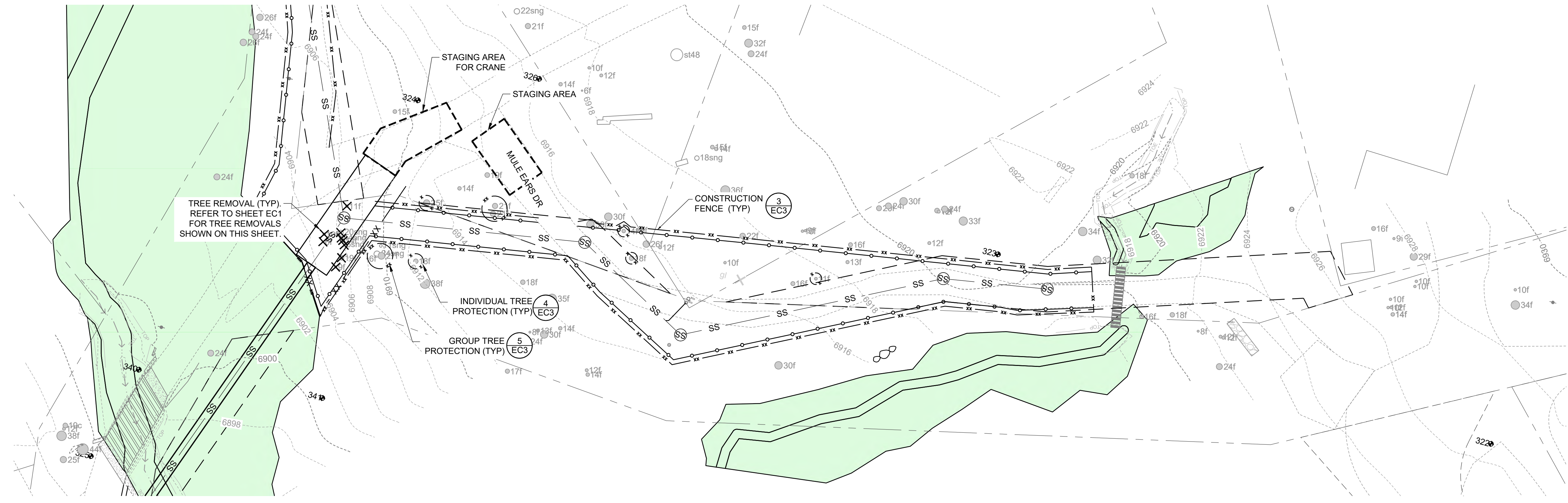
SCALES:  
 1" = 20'  
 HORIZONTAL  
 VERTICAL

**EC1**  
 SHEET: 10 of 12

J:\77.02B\DWG\FINAL SHEETS\PHASE 2A\77.02B\_PH2A\_EC1.DWG

**100% IMPROVEMENT PLANS**

J:\77.02B\_DWG\_FINAL\_SHEETS\PHASE 2A\77.02B\_PH2A\_EC2.DWG

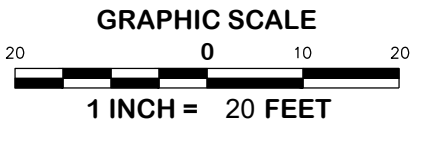


**EROSION CONTROL PLAN  
MULE EARS STA 0+00 - 2+75**

SCALE: 1" = 20'

LEGEND	
	GROUP TREE PROTECTION
	INDIVIDUAL TREE PROTECTION
	FIBER ROLL
	CONSTRUCTION FENCING
	CONSTRUCTION ENTRANCE
	STAGING AREA
	TREE REMOVAL

- NOTES:
- CONTRACTOR SHALL CONSULT WITH AN ARBORIST REGARDING TREES NOT MARKED FOR REMOVAL. THE ARBORIST SHALL DETERMINE IF TREES NOT MARKED FOR REMOVAL WILL REMAIN HEALTHY WHERE ADJACENT TO IMPROVEMENTS.
  - MAIN SITE ACCESS DURING CONSTRUCTION SHALL BE AT THE SOUTH SIDE OF PENNYROYAL LN. CLOSE TO THE DISNEY SKI LIFT. THE BRIDGE TOWARDS THE NORTH SIDE OF PENNYROYAL IS ACCESSIBLE FOR PASSENGER VEHICLE USE AND CAN BE UTILIZED BY NO MORE THAN A 1/2 TON TRUCK. DURING THE SPRING OR FALL, ACCESS WILL HAVE TO BE FROM EITHER MULE EARS DRIVE OR VIA THE BRIDGE.



REV. DATE	REVISIONS	BY

RECORD DRAWING

DATE \_\_\_\_\_ ENGINEER INITIAL \_\_\_\_\_



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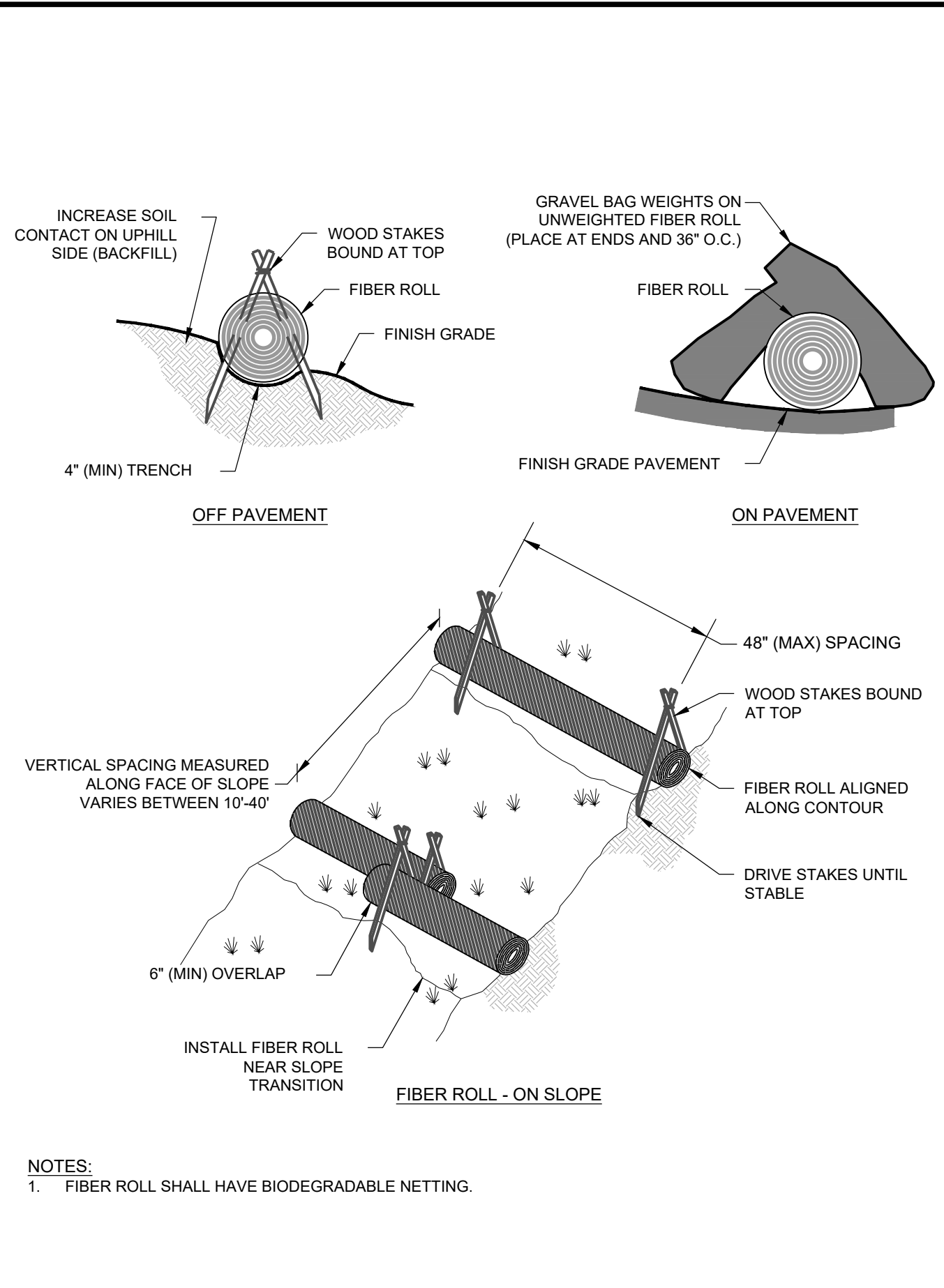
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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
**EROSION CONTROL PLAN**  
**MULE EARS DR**  
 NORDEN PLACER COUNTY CALIFORNIA

BAR IS ONE INCH ON ORIGINAL DRAWING

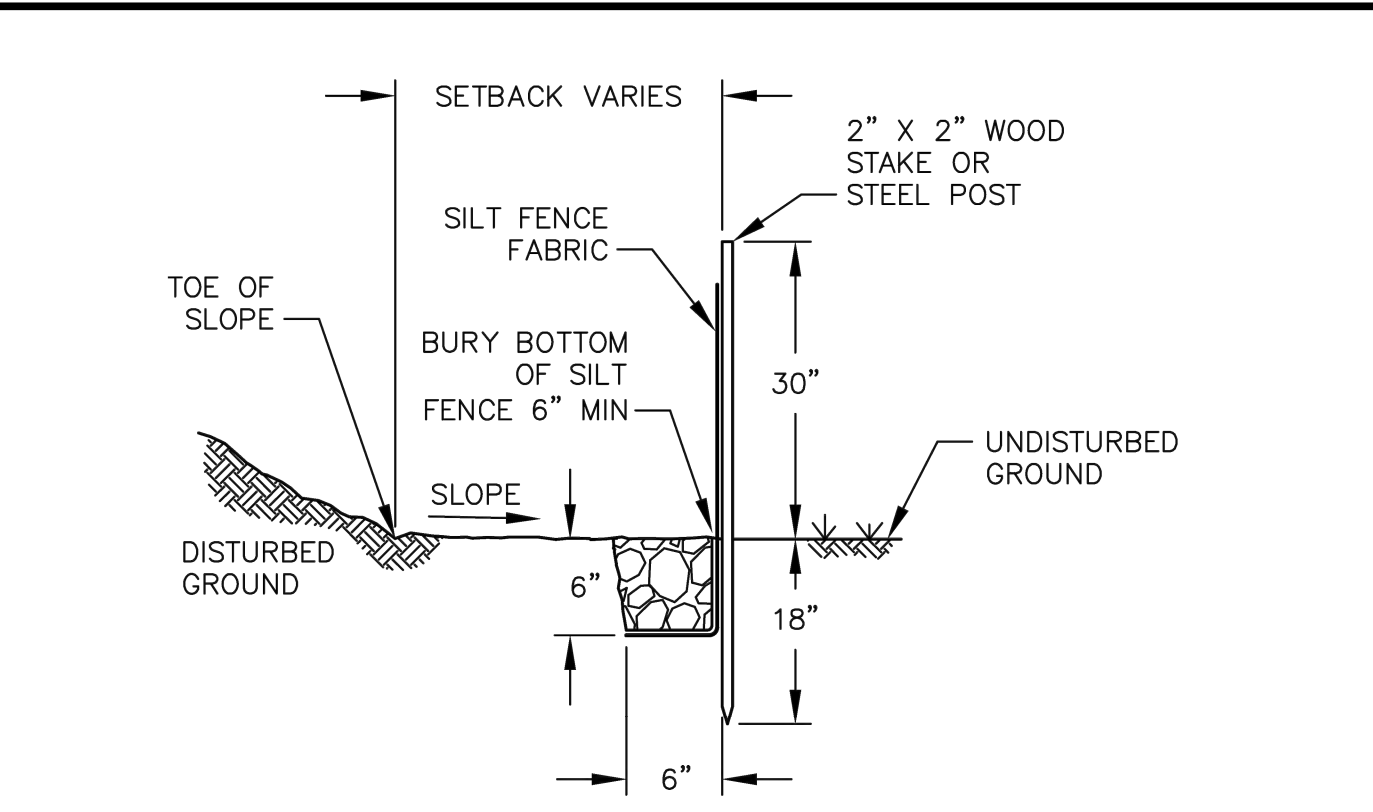
PROJECT NUMBER:	77.02B
SURVEY BY:	AEC
SURVEY DATE:	AUGUST 2021
DESIGN BY:	CN/CA
DRAFTING BY:	CN/AV/BR
CHECKED BY:	CA/WA
DATE:	NOVEMBER 10, 2023

SCALES:	
1" = 20'	<b>EC2</b>
HORIZONTAL	
VERTICAL	
	SHEET: 11 of 12



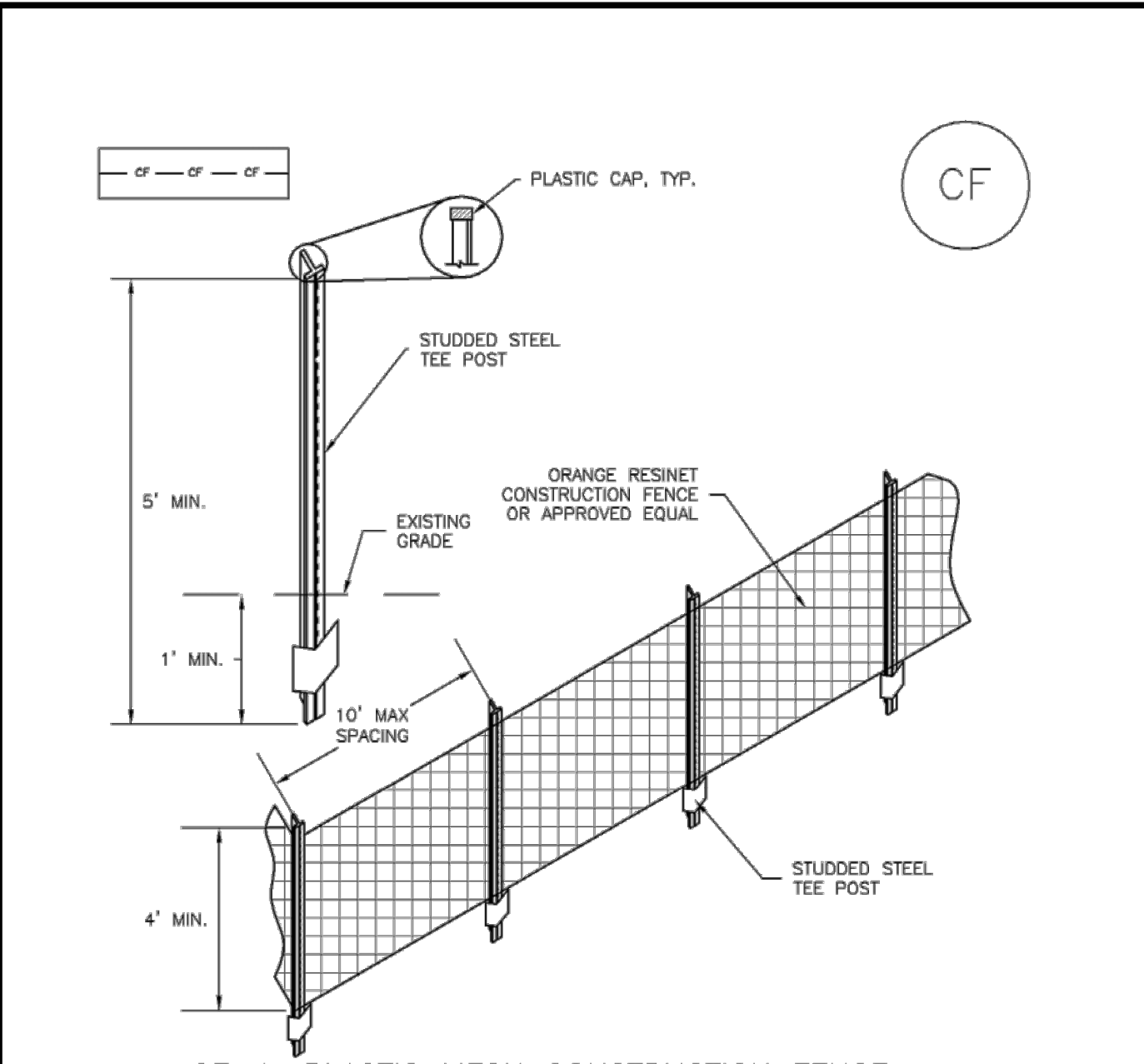
**1 FIBER ROLL**

NOTES:  
 1. FIBER ROLL SHALL HAVE BIODEGRADABLE NETTING.



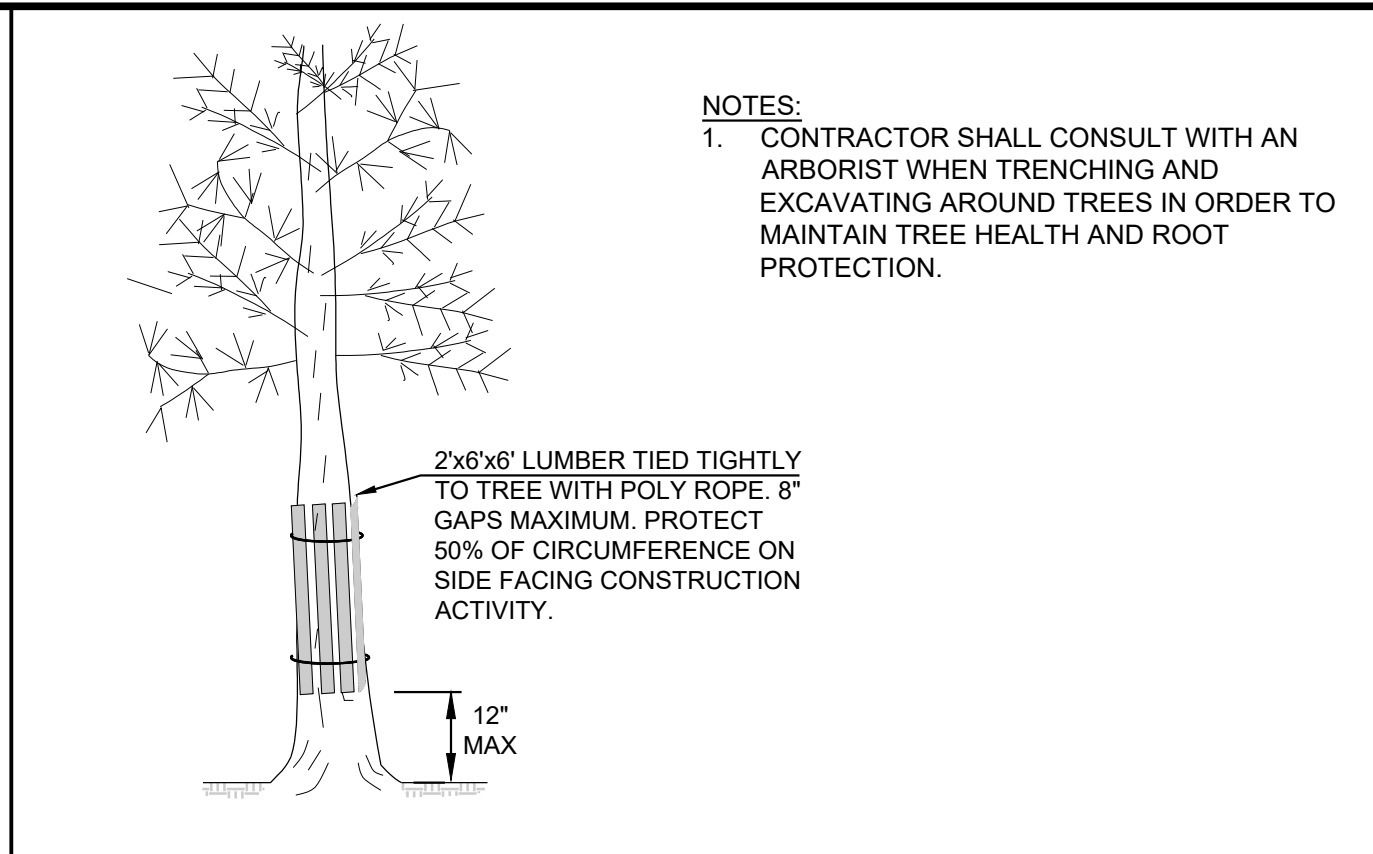
**2 SILT FENCE**

NOTES:  
 1. DO NOT USE IN STREAMS, CHANNELS, DRAIN INLETS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE TO DIVERT FLOW. THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHALL BE 200'.  
 2. SILT FENCE FABRIC SHALL BE WOVEN POLYPROPYLENE; WIDTH = 36" MIN, TENSILE STRENGTH = 100 LB MIN.  
 3. THE FOLLOWING CRITERIA IS RECOMMENDED FOR SELECTION OF THE FABRIC EQUIVALENT OPENING SIZE (EOS):  
 A. IF 50% OR LESS OF THE SOIL, BY WEIGHT, WILL PASS THE US. STANDARD SIEVE NO. 200, SELECT THE EOS TO RETAIN 85% OF THE SOIL. THE EOS SHALL NOT BE FINER THAN EOS70.  
 B. FOR ALL OTHER SOIL TYPES, THE EOS SHALL BE NO LARGER THAN THE OPENINGS IN THE US. STANDARD SIEVE NO. 70 EXCEPT WHERE DIRECT DISCHARGE TO A STREAM, LAKE, OR WETLAND WILL OCCUR, THEN THE EOS SHALL BE NO LARGER THAN STANDARD SIEVE NO. 100.  
 4. CONNECTION/Joining OF SILT FENCES SHALL BE COMPLETED BY TIGHTLY OVERLAPPING THE ENDS OF THE ROLLS A MINIMUM OF 12" OR BY OVERLAPPING THE END POSTS AND SECURING THE TWO POSTS TOGETHER TIGHTLY WITH PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER).  
 5. STAKES SHALL BE SPACED AT 8'-0" MAX AND SHALL BE POSITIONED ON DOWNSLOPE SIDE OF FENCE.  
 6. STAPLES USED TO FASTEN THE FENCE FABRIC TO THE STAKES SHALL BE NOT LESS THAN 1.25" LONG AND SHALL BE FABRICATED FROM 15 GAUGE OR HEAVIER WIRE. PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER) MAY BE SUBSTITUTED. NOT LESS THAN 4 STAPLES/TIES SHALL BE USED ON EACH STAKE.  
 7. THE LAST 8' OF FENCE SHALL BE TURNED UPSLOPE.  
 8. SILT FENCES SHALL BE LEFT IN PLACE, REGULARLY INSPECTED, AND MAINTAINED UNTIL THE UPSLOPE AREA IS PERMANENTLY STABILIZED.  
 9. SEDIMENT SHALL BE REMOVED BEFORE THE SEDIMENT ACCUMULATION REACHES ONE—THIRD OF THE BARRIER HEIGHT.



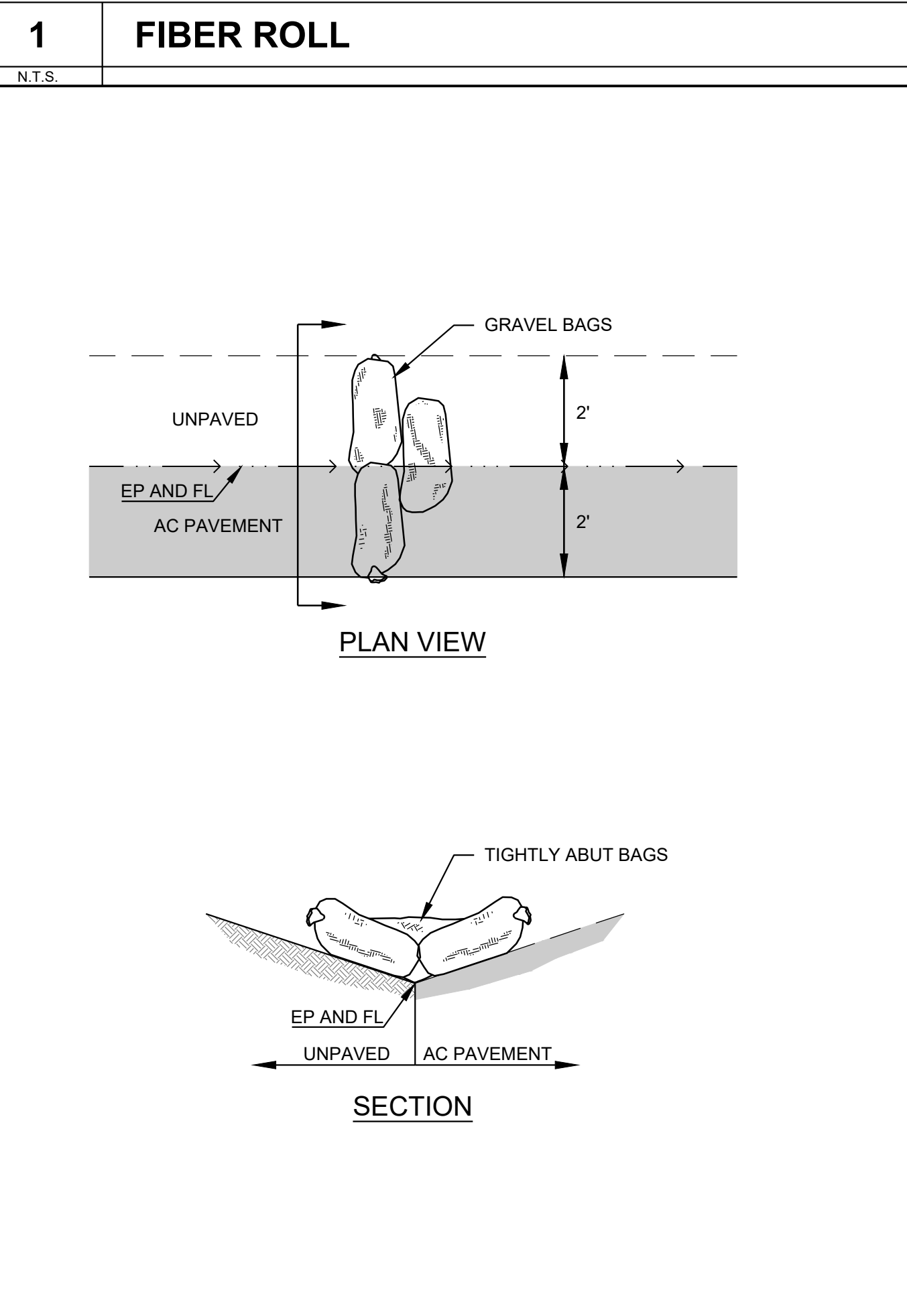
**3 CONSTRUCTION FENCING**

CONSTRUCTION FENCE INSTALLATION NOTES:  
 1. SEE PLAN VIEW FOR: -LOCATION OF CONSTRUCTION FENCE.  
 2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.  
 3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR—GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.  
 4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.  
 5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

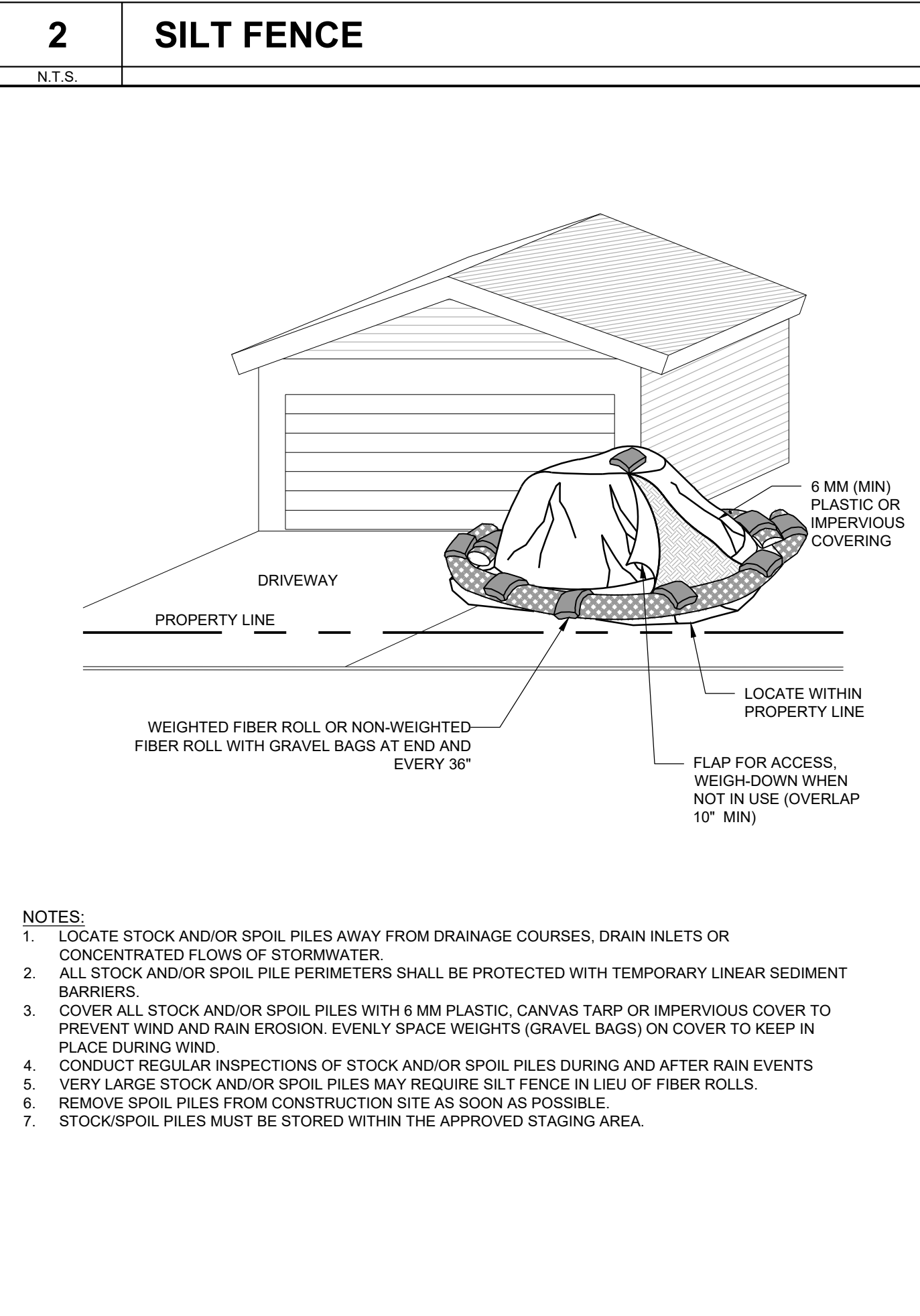


**4 INDIVIDUAL TREE PROTECTION**

NOTES:  
 1. CONTRACTOR SHALL CONSULT WITH AN ARBORIST WHEN TRENCHING AND EXCAVATING AROUND TREES IN ORDER TO MAINTAIN TREE HEALTH AND ROOT PROTECTION.  
 2. THE RADIUS FROM TREE TRUNK FOR VEGETATION PROTECTION OF GROUP TREES SHALL BE 1' RADIUS FOR EVERY 1" OF DBH UNLESS OTHERWISE APPROVED BY AN ARBORIST FOR EACH TREE TO BE PROTECTED.  
 3. CONTRACTOR SHALL CONSULT WITH AN ARBORIST WHEN TRENCHING AND EXCAVATING AROUND TREES IN ORDER TO MAINTAIN TREE HEALTH AND ROOT PROTECTION.  
 4. 4' BRIGHTLY COLORED SYNTHETIC MESH FENCE WITH STEEL FENCE SUPPORT POSTS AT 10' O.C.  
 5. DRIP LINE



**6 DRAINAGE SWALE CHECK DAM**



**7 STOCKPILE MANAGEMENT**

NOTES:  
 1. LOCATE STOCK AND/OR SPOIL PILES AWAY FROM DRAINAGE COURSES, DRAIN INLETS OR CONCENTRATED FLOWS OF STORMWATER.  
 2. ALL STOCK AND/OR SPOIL PILE PERIMETERS SHALL BE PROTECTED WITH TEMPORARY LINEAR SEDIMENT BARRIERS.  
 3. COVER ALL STOCK AND/OR SPOIL PILES WITH 6 MM PLASTIC, CANVAS TARP OR IMPERVIOUS COVER TO PREVENT WIND AND RAIN EROSION. EVENLY SPACE WEIGHTS (GRAVEL BAGS) ON COVER TO KEEP IN PLACE DURING WIND.  
 4. CONDUCT REGULAR INSPECTIONS OF STOCK AND/OR SPOIL PILES DURING AND AFTER RAIN EVENTS.  
 5. VERY LARGE STOCK AND/OR SPOIL PILES MAY REQUIRE SILT FENCES IN LIEU OF FIBER ROLLS.  
 6. REMOVE SPOIL PILES FROM CONSTRUCTION SITE AS SOON AS POSSIBLE.  
 7. STOCK/SPOIL PILES MUST BE STORED WITHIN THE APPROVED STAGING AREA.

**8 REVEGETATION / RESTORATION NOTES:**

- PRIOR TO CONSTRUCTION REMOVE AND STOCKPILE TOPSOIL FROM AREA TO BE DISTURBED.
- UPON COMPLETION OF SEWER LINE, APPLY WOOD CHIPS TO A DEPTH OF 2-INCHES OVER ENTIRE TREATMENT AREA.
- DECOMPACT AND MIX WOOD CHIPS INTO THE SOIL TO A DEPTH OF 12-INCHES.
- TOPSOIL SHALL BE REAPPLIED OVER THE DECOMPACTED AREA AND RAKED INTO THE TOP 2-INCHES OF TILLED MATERIAL.
- FERTILIZER (BIOSOL OR APPROVED EQUAL) SHALL BE APPLIED AT A RATE OF 1,500 POUNDS PER ACRE.
- SEED MIX SHALL BE APPLIED AND LIGHTLY RAKED INTO THE TOP 1/4-INCH OF SOIL.
- PINE NEEDLE MULCH SHALL BE HAND APPLIED TO A DEPTH OF 2-INCHES.
- ALL DISTURBED COMPACTED CLASS II AGGREGATE BASE SHALL BE REPAIRED AND OR REPLACED TO A MINIMUM DEPTH OF 6" AND COMPACTED TO 95% AND SHALL BLEND IN COLOR AND CHARACTER WITH THE WHOLE OF THE ACCESSIBLE PARKING PAD AND SHOULDER/DRIVE.

Species	Per/Ann	%
Africa Mollis	P	1*
Bacley Button	A	5
Black-eyed Susan	P	5
Buckwheat Sulfur	P	6
Candytuft	A	3
Catchfly	A	2
Cinquefoil	P	1*
Columbine, red & blue (Sierra Source)	P	1*
Coreopsis Lanceleaf	P	4
Coreopsis Plains	A	4
Flax, blue	P	6
Flax, scarlet	A	3
Ceum	P	2
Gilia, golden & scarlet	A	2
Indian Blanketflower	P/A	6
Iris missouriensis	P	6
Keckelia	P	2
Lomatium	P	3
Lupine Blend	P	5
Morleyflower Lewis	P	1
Penstemon Blend	P	8
Poppy, California	A	8
Poppy, Flanders	A	4
Primrose, yellow	P	1
Shasta Daisy	P	3
Showy Goldeneye	P	4
Snow in Summer	P	1
Wallflower	A	5
		* up to 1%
		100

**SUCCESS CRITERIA:**

- YEAR ONE: 30% VEGETATIVE COVER, 98% MULCH COVER, NO BARE AREAS GREATER THAN 9 SF.
- MANAGEMENT RESPONSE: RESEED, REMULCH, OR FULL RETREATMENT AS NEEDED.
- MONITORING SHALL BE DONE THE YEAR FOLLOWING TREATMENT. MONITORING SHALL BE DONE DURING THE HEIGHT OF THE GROWING SEASON WHEN GRASSES HAVE SET SEED. TYPICALLY, THIS WILL OCCUR IN JUNE-JULY DEPENDING ON SNOW MELT AND OTHER CLIMATE FACTORS.
- MONITORING SHALL OCCUR ONCE. FOLLOWING MONITORING, IF SUCCESS CRITERIA ARE NOT MET, RETREATMENT PER "MANAGEMENT RESPONSE" SECTION OF SUCCESS CRITERIA TABLE WILL BE REQUIRED AND ADDITIONAL MONITORING WILL BE REQUIRED THE FOLLOWING YEAR, UNTIL THE SUCCESS CRITERIA ARE MET.

**5 GROUP TREE PROTECTION**

EROSION CONTROL NOTES:

- THE SITE SHALL BE WINTERIZED FROM OCTOBER 15TH TO MAY 1ST.
- REMOVAL OF NATIVE VEGETATION SHALL BE MINIMIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITH A 3-INCH LAYER OF MULCH OR COVERED WITH AN EROSION CONTROL BLANKET.
- TEMPORARY EROSION CONTROL MEASURES AND DETAILS AS SHOWN ON THIS PLAN ARE SUGGESTED MINIMUM METHODS OF CONTROLLING EROSION DURING CONSTRUCTION. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS DICTATED BY FIELD CONDITIONS TO CONTROL EROSION AND SEDIMENTATION.
- IF INCLEMENT WEATHER IS FORECAST, CONTRACTOR SHALL TAKE NECESSARY STEPS TO PROTECT AREAS DISTURBED BY CONSTRUCTION FROM EROSION AND/OR SUBSEQUENT DISCHARGE OF EARTHEN MATERIALS FROM THE SITE.
- ALL TEMPORARY EROSION CONTROL FEATURES SHALL BE INSPECTED WEEKLY AND PRIOR TO INCLEMENT WEATHER AND CORRECTIVE ACTION TAKEN AS NECESSARY TO INSURE PROPER FUNCTION.
- ALL AREAS DISTURBED BY CONSTRUCTION OF OFFSITE UTILITIES, INCLUDING ROADWAY SURFACES, SHOULDERS AND OTHER AREAS WILL BE RESTORED TO THE SATISFACTION OF THE DPW.
- ALL DISTURBED AREAS SHALL BE REVEGETATED OR OTHERWISE PROTECTED TO THE SATISFACTION OF THE ENGINEER. ONLY NATIVE BRUSH AND GRASS SPECIES SHALL BE USED FOR REVEGETATION. EXISTING AREAS OF DISTURBANCE WITHIN EACH PHASE SHALL BE RESTORED PURSUANT TO BEST MANAGEMENT PRACTICES (BMPs). THIS INCLUDES REVEGETATION OF EXISTING DIRT ROADS WHICH WILL NO LONGER BE UTILIZED FOR VEHICULAR ACCESS.
- THE AREAS OF SOIL AND VEGETATION DISTURBANCE SHALL BE LIMITED TO THAT REQUIRED FOR CONSTRUCTION PURPOSES. EXCEPT WHERE REQUIRED FOR ACCESS, THERE SHALL BE NO DISTURBANCE IN AREAS TO BE LEFT IN A NATURAL STATE. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO AREAS TO BECOME PERMANENT CIRCULATION (E.G., ROADWAYS AND PARKING AREAS, ETC.) OR OTHER DESIGNATED ROUTES.
- IN CONSTRUCTION AREAS TO BE REVEGETATED WHERE THE SUBSOIL LAYER HAS BEEN COMPACTED, RIPPING SHALL BE CONDUCTED DURING THE FINAL STAGES TO LOOSEN SOIL, ALLOWING FOR BETTER SUBSURFACE DRAINAGE AND ROOT PENETRATION. APPROPRIATE REVEGETATION PRACTICES SHALL BE EMPLOYED TO STABILIZE THESE AREAS IMMEDIATELY FOLLOWING CESSATION OF TRAVEL INTO THESE AREAS. TOPSOIL AND OTHER FILL MATERIAL TEMPORARILY STORED SHALL BE PROTECTED FROM EROSION BY COVERING WITH MULCH OR A COVER CROP, OR BY USE OF SILTATION BERMS OR OTHER MEANS APPROVED BY THE DPW.
- DISTURBANCE CREATED BY CONSTRUCTION SHALL BE STABILIZED WITHIN 24 HOURS OF CESSATION OF TRAVEL INTO SUCH AREAS. IF WORK HAS CEASED IN AN AREA OR IF AN AREA IS FOUND TO BE SUBJECT TO POTENTIAL EROSION PROBLEMS ASSOCIATED WITH VEGETATION LOSS AND SOIL COMPACTION, EFFORTS TO STABILIZE SUCH AREAS SHALL BE INITIATED THE NEXT WORK DAY FOLLOWING THE INSPECTION. STABILIZATION OF THESE AREAS SHALL BE CARRIED OUT UTILIZING BMPs.
- THE CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL PER SECTION 10 OF THE CALIFORNIA STANDARD SPECIFICATIONS. MEASURES SHALL INCLUDE BUT BE LIMITED TO THE FOLLOWING:  
 A. CONDUCT MAJOR DUST-GENERATING ACTIVITIES WHEN WIND VELOCITIES ARE LOW.  
 B. SPRINKLE WORK AREAS, CONSTRUCTION EQUIPMENT TRAVEL ROUTES, AND EQUIPMENT TO CONTROL DUST.  
 C. PREVENT CONSTRUCTION VEHICLES FROM TRACKING MUD ONTO NEIGHBORING ROADS AND HIGHWAYS.  
 D. RESTRICT ALL TRUCKS AND VEHICLES WITHIN CONSTRUCTION SITE TO A MAX. SPEED OF 15 MPH.

**6** N.T.S.

**7** N.T.S.

**8** N.T.S.

**9** N.T.S.

REV	DATE	BY	REVISIONS

RECORD DRAWING  
 DATE:      ENGINEER INITIAL:



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DONNER SUMMIT PUBLIC UTILITY DISTRICT  
**SUGAR BOWL SEWER PHASE 2A**  
 EROSION CONTROL DETAILS  
 CALIFORNIA  
 PLACER COUNTY  
 NORDEN

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 BAR IS ONE INCH ON ORIGINAL DRAWING

PROJECT NUMBER: 77-02B  
 SURVEY BY: AEC  
 SURVEY DATE: AUGUST 2021  
 DESIGN BY: CNCA  
 DRAFTING BY: CNAV/BR  
 CHECKED BY: CA/WA  
 DATE: NOVEMBER 10, 2023

SCALE:  
 HORIZONTAL:      **EC3**  
 VERTICAL:      SHEET: 12 OF 12

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100% IMPROVEMENT PLANS