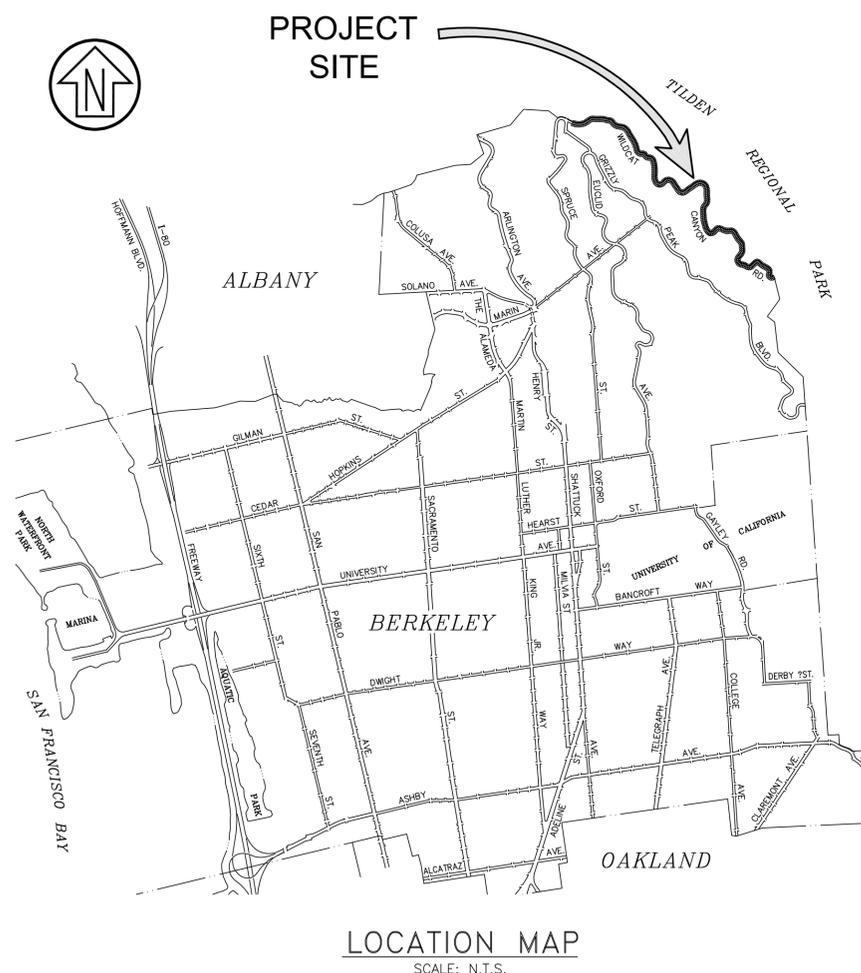


# WILDCAT CANYON ROAD CULVERT IMPROVEMENTS

SPECIFICATION NO. 23-11561-C



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PROJECT MANAGER: *David DeLata* DATE: 5/7/2025  
SURVEY CHIEF OF PARTY: \_\_\_\_\_  
WATERSHED REVIEW: *David DeLata* DATE: \_\_\_\_\_

DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE: \_\_\_\_\_  
SUBMITTED: *David DeLata* DATE: 5/7/2025  
SUPERVISING ENGINEER: \_\_\_\_\_ REG. NO. 83989  
EXP. 9/30/2025  
APPROVED: \_\_\_\_\_ DATE: 5/9/2025  
CITY ENGINEER: \_\_\_\_\_ R.C.E. 15673  
EXP. 9/30/25

DESIGN: KNP  
DRAWN: CMC/JVT  
CHECK: JAH  
AS BUILT: \_\_\_\_\_  
HORIZ. AS NOTED  
VERT. \_\_\_\_\_  
BOOK \_\_\_\_\_  
DATE: 09/28/23

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

WILDCAT CANYON ROAD  
DRAINAGE ENHANCEMENTS  
COVER SHEET

PLAN 8279  
FILE 502-718  
GO.0  
SHEET 1 OF 35

BID SET	09-28-23	DATE	APPROVAL
95% SUBMITTAL	07-27-23	DATE	APPROVAL
65% SUBMITTAL	10-27-22	DATE	APPROVAL
REVISION	MARK	DESCRIPTION	APPROVAL



## PRESERVATION OF SURVEY MONUMENTS:

ALL CITY OF BERKELEY MONUMENTS LOCATED WITHIN THE PROJECT AREA MUST BE REFERENCED, PRIOR TO WORK COMMENCING, BY A LICENSED LAND SURVEYOR AS REQUIRED BY SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE. CORNER RECORDS OF THIS WORK MUST BE SUBMITTED FOR FILING TO BOTH THE COUNTY SURVEYOR OF ALAMEDA COUNTY, AND THE CITY OF BERKELEY PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION, SURVEY SECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF EXISTING SURVEY MONUMENTS, BENCHMARKS, REFERENCE MARKS AND STAKES. SHOULD ANY SURVEY MONUMENTS, BENCHMARKS, REFERENCE POINTS OR STAKES BE DAMAGED OR DESTROYED DURING THE PERFORMANCE OF THIS WORK, THE CONTRACTOR SHALL REPLACE SAID ITEMS PER CITY STANDARDS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND CONTACT A CITY OF BERKELEY, SURVEY SECTION, CHIEF OF PARTY FOR FINAL INSPECTION AND ACCEPTANCE OF THE WORK.

## CONSTRUCTION NOTES:

- SAWCUT EXISTING PAVEMENT AT LIMIT OF WORK, TYPICAL.
- PROTECT AND PRESERVE ALL SURVEY MONUMENTS. SEE MONUMENT PRESERVATION NOTE ABOVE.
- PROTECT ALL DRAINAGE AND SEWAGE STRUCTURES AND PIPES FROM INFILTRATION OF ALL CONSTRUCTION DEBRIS FOR THE DURATION OF THE WORK.

## GENERAL NOTES:

- ALL MEASURED DISTANCES AND DIMENSIONS ARE SHOWN IN DECIMAL FEET THEREOF.
- UTILITIES AS SHOWN CONFORM TO AVAILABLE RECORD DATA. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTHS BY POT-HOLING OF ALL UTILITIES WITH APPROPRIATE AGENCIES, AND TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, EQUIPMENT, FOR INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF ALL SURFACE WATER POLLUTION PREVENTION MEASURES THROUGHOUT THE FULL EXTENT OF THE PROJECT. SURFACE WATER IS CLASSIFIED AS ANY BODY OF WATER ABOVE GROUND.
- OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED OVERHEAD CLEARANCES.
- ALL MAINTENANCE HOLES, CLEANOUTS AND WATER VALVES SHALL BE ADJUSTED TO GRADE WITHIN 48 HOURS OF PAVING. ALL PAVING SHALL BE COMPLETED WITHIN 24 HOURS OF RAISING THE UTILITY TO GRADE.
- REVOCAABLE ITEM - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL UTILITY BOXES TO THE GRADE OF THE FINISHED SIDEWALK OR GUTTER PRIOR TO THE POUR, INCLUDING COORDINATING WITH ALL UTILITY PROVIDERS AND/OR CLEANING AND CLEARING OF CONCRETE MORTAR FROM ALL UTILITY BOXES IN THE AREA SO THEY ARE FULLY ACCESSIBLE UPON COMPLETION OF THE SIDEWALK INSTALLATION.
- ALL STRIPING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEASURE AND MARK EXISTING STRIPING, PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS PRIOR TO AND DURING THE STREET WORK. LAYOUT MARKINGS SHALL BE LAID OUT IN ADVANCE OF FINAL STRIPING. ALL LAYOUT MARKINGS SHALL BE APPROVED IN WRITING BY THE CITY ENGINEER. THE CONTRACTOR SHALL PROVIDE A ONE WEEK TIME PERIOD FOR REVIEW OF LAYOUT MARKINGS. STRIPING CHANGES SHALL BE APPROVED BY THE CITY ENGINEER.
- PAVEMENT MARKINGS DISTURBED, DAMAGED IN ANY FORM, OR TO ANY DEGREE WHILE THE CONTRACTOR HAS CUSTODY OF THE SITE SHALL BE REPLACED IN THEIR ENTIRETY AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL CONTACT CITY ARBORIST IN ADVANCE OF ANY DEMOLITION. CONTRACTOR SHALL ADHERE TO CITY SPECIFICATIONS AND RECOMMENDATIONS FOR TREE PRESERVATION.
- TREE PROTECTION - PROVIDE FOR WRAPPING TREES, KEEPING EXPOSED ROOTS MOIST, AND USE OF AIR TOOLS FOR EXCAVATING. MEET WITH CITY ARBORIST BEFORE ANY WORK IS DONE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT OF A WATER POLLUTION CONTROL PROGRAM FOR THE MANAGEMENT OF NON-STORM WATER AND POINT DISCHARGES, EROSION AND SEDIMENT CONTROL. THE WPCP SHALL INCLUDE BUT NOT BE LIMITED TO BMP'S INCLUDED ON THE PLANS AND LISTED IN THE SPECIFICATIONS, AND SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS AND THE "STORMWATER POLLUTION CONTROL" SECTION OF THE PROJECT SPECIAL PROVISIONS.

## TREE PROTECTION NOTES:

- NO STREET TREE ROOTS ARE TO BE CUT WITHOUT APPROVAL OF CONTRACTOR'S LICENSED CERTIFIED ARBORIST.
- ARBORIST: CONTRACTOR SHALL RETAIN A LICENSED CERTIFIED, CITY-APPROVED ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION AS SPECIFIED IN THE SPECIAL PROVISIONS AND INDICATED ON THESE PLANS. NO EQUIPMENT SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREAS(S). NO TREE PRUNING, REMOVAL OR ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORIST'S DIRECTION, RECOMMENDATIONS OR APPROVAL.
- TRENCHING: ALL TRENCHING WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE BY HAND WITH CARE TAKEN NOT TO DAMAGE ROOTS OVER 2" DIAMETER.
- ADVANCED WARNING: THE ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO CONSTRUCTION.
- PRUNING: TREES SHALL BE PRUNED ONLY AS RECOMMENDED BY THE ARBORIST AND APPROVED BY THE CITY. EXISTING TREES WITH BRANCHES ENCRACING TO 1" FROM BACK OF CURB AND LESS THAN 16" FROM FINISHED GRADE SHALL BE PRUNED UNDER THE DIRECTION OF A CITY APPROVED CERTIFIED ARBORIST.
- CONSTRUCTION OPERATIONS: NO CONSTRUCTION OPERATIONS SHALL BE CARRIED ON WITHIN THE DRIP LINE AREA OF ANY TREE DESIGNATED TO BE SAVED EXCEPT AS AUTHORIZED BY THE ARBORIST.
- STORAGE: THE AREA UNDER THE DRIP LINES OF THE TREE SHALL BE KEPT CLEAN. NO CONSTRUCTION MATERIALS AND NO CHEMICAL SOLVENTS SHALL BE STORED OR DUMPED UNDER A TREE.
- TREE DAMAGE: ANY DAMAGE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON UNDER THE DIRECTION OF THE ARBORIST.
- CONTRACTOR SHALL PERFORM DEMOLITION, CUT, CLEAN AND INSTALL GENERAL LANDSCAPE SOIL AT THE EXISTING TREES AS REQUIRED AND APPROVE BY THE CITY.
- CONTRACTOR'S ATTENTION IS DIRECTED TO THE CITY OF BERKELEY'S "GUIDELINES AND TREE PROTECTION REQUIREMENTS FOR DEVELOPMENT PROJECTS" (GUIDELINES) PROVIDED IN THE PROJECT SPECIAL PROVISIONS, OF WHICH FIGURE 1 IS PROVIDED ON THIS SHEET.
- TREES SITUATED IN A TREE WELL OR SIDEWALK PLANTING STRIP SHALL HAVE THE TRUNK PROTECTED BY WRAPPING IT WITH STRAW TUBES OR VERTICAL WOOD SLATS, UP TO A MINIMUM 8 FEET FROM GRADE.
- WOODEN SLATS SHALL BE ANGLED TO PROTECT THE ROOT FLARE AT THE BASE OF THE TREE AND BOUND SECURELY ON THE OUTSIDE.
- CLOSED CELL FOAM OR AN EQUIVALENT MATERIAL SHALL BE USED TO PROTECT THE TRUNK OF THE TREE WHERE IT CONTACTS THE SLATS.
- LATERAL BRANCHES BELOW 8 FEET SHALL ALSO BE PROTECTED.
- CONTRACTOR SHALL KEEP DELETERIOUS MATERIALS ASSOCIATED WITH PROJECT CONSTRUCTION FROM CONTACTING ANY PART OF THE TREES, OR BEING PLACED OR STORED IN THE TREE WELL OR PLANTING STRIP.

## POLLUTION CONTROL NOTES:

- IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE CITY ENGINEER IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THIS PLAN. SEDIMENT ON SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL AND/OR BROOM AND PLACED IN STOCKPILES.
- ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS.
- ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND FILING ALL PLANS WITH RELATED AGENCIES ASSOCIATED WITH THEIR WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PERMITS FOR STORAGE OF HAZARDOUS MATERIALS, BUSINESS PLANS, PERMITS FOR STORAGE OF FLAMMABLE LIQUIDS, GRADING PERMITS, OR OTHER PLANS OR PERMITS REQUIRED BY ALAMEDA COUNTY, THE CITY OF BERKELEY, OR OTHER AGENCIES. ALL CONTRACTORS, OR SUBCONTRACTORS WORKING ON-SITE ARE INDIVIDUALLY RESPONSIBLE FOR OBTAINING AND SUBMITTING ANY BUSINESS PLANS OR PERMITS REQUIRED BY CITY, STATE OR LOCAL AGENCIES.
- CONTRACTOR SHALL LOCATE STORAGE, DELIVERY, OR WASH-OUT AREAS, TO SUIT THEIR OPERATIONS. CONTRACTOR TO MAINTAIN SECONDARY CONTAINMENT AS NECESSARY TO PROHIBIT POLLUTION AND TOXIC MATERIALS FROM ENTERING STORM DRAIN.
- CONTRACTOR SHALL UTILIZE SILT FILTERS DURING CONCRETE CONSTRUCTION NEAR EXISTING STORM DRAINAGE SYSTEM. AFTER COMPLETION OF THE SIDEWALK, DRIVEWAYS, CURB, GUTTER, AND PAVING, THE SILT FILTERS SHALL BE MODIFIED TO BURLAP SACKS FILLED WITH 3/4" DRAIN ROCK OR OTHER ACCEPTED BMP POSITIONED SURROUNDING EACH CATCH BASIN.

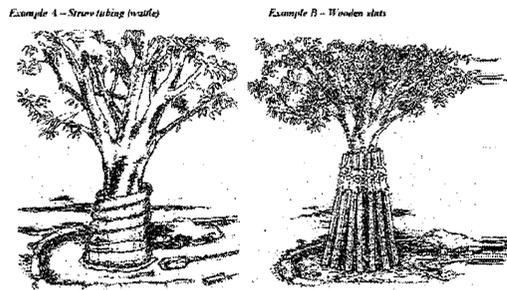
## EROSION CONTROL NOTES:

- NO VEHICLES SHALL BE ALLOWED TO TRACK OR SPREAD SOIL FROM THE CONSTRUCTION AREAS ONTO EXISTING PAVED PUBLIC STREETS.
- THE EROSION AND SEDIMENT CONTROL MEASURES WILL BE OPERABLE THROUGHOUT THE YEAR. NO GRADING WILL OCCUR BETWEEN OCTOBER 1ST AND APRIL 15TH, UNLESS AUTHORIZED BY THE CITY ENGINEER.
- DURING THE RAINY SEASON, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE WILL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LOADED RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE IMPROVEMENTS ARE ACCEPTED BY THE CITY, AND ALL SLOPES ARE STABILIZED FROM EROSION.
- STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY FOR THE DURATION OF THE PROJECT.
- REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCK-PILED SOILS AND OTHER MATERIALS SHALL BE TARPED, AT THE REQUEST OF THE CITY ENGINEER.
- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- USE FILTRATION OR OTHER MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED IN ANY MANNER THAT ALLOWS DELETERIOUS MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.
- CONTRACTOR TO RELOCATE CONCRETE WASHDOWN, VEHICLE STORAGE DELIVERY, AND NON HAZARDOUS WASTE AREAS AS NECESSARY TO FACILITATE THEIR OPERATION AND PROMOTE POLLUTION CONTROL.

## BMP IMPLEMENTATION SCHEDULE:

- BMP'S APPROPRIATE FOR THE WORK BEING DONE SHALL BE IN PLACE AT ALL TIMES.
- PERIMETER CONTROL, EXISTING INLET PROTECTION, AND CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
- ALL OTHER BMP'S SHALL BE INSTALLED AT COMPLETION OF CONSTRUCTION OF EACH INLET.

FIGURE 1: EXAMPLES OF TREE TRUNK PROTECTION



Example A - Straw tubing (w/straps) Example B - Wooden slats

## LINETYPES LEGEND

EXISTING		PROPOSED
	CONTOUR - MAJOR	
	CONTOUR - MINOR	
	FENCE	
	GAS LINE	N/A
	ELECTRICAL LINE(S)	N/A
	TRAFFIC SIGNAL LINE(S)	N/A
	WATER LINE	N/A
	SILT FENCE	
	LIMITS OF CONSTRUCTION	
	PROPERTY / LOT LINE	N/A
	SANITARY SEWER	N/A
	STORM DRAIN CULVERT	N/A
	STORM DRAIN	
	TIES	
	TREE DRIPLINE	N/A
	RIP RAP/FILL	
	CHANNEL REINFORCEMENT MAT	
	SWALE/DITCH	
	FIBER ROLLS	
	GROUT SEAL	
	CONCRETE	
	AC	
	SAWCUT	

## SYMBOLS LEGEND

EXISTING		PROPOSED
	Ex. Water/Gas Meter	
	Ex. Water/Gas Valve	
	Ex. Fire Hydrant	
	Ex. Utility Pole w/Light	
	Ex. Tree	
	Ex. Miscellaneous Survey Monument	
	Ex. Survey Well Monument	
	Ex. Benchmark	
	Ex. Control Point	
	Ex. Misc. Survey Point	
	Control Point Set	
	Ex. Catch Basin	
	Ex. Curb Inlet	
	Ex. Culvert Inlet/Outlet	
	Ex. Culvert Inlet/Outlet	
	Ex. Light-Post Mounted	
	Ex. Power Pole with Guy	
	Ex. Sanitary Sewer Clean Out	
	Ex. Sanitary Sewer Maintenance hole	
	Storm Drainage Area Drain	
	Storm Drainage Clean Out	
	Ex. Storm Drain	
	Ex. Electric Meter	
	Ex. Pullbox	
	Ex. SIGN	
	Ex. Traffic Signal	

## SURVEY CONTROL POINTS

CITY MONUMENTS				
DESIGNATION	ELEVATION	NORTHING	EASTING	DESCRIPTION
B2089	927.99	2152979.9190	6055949.3030	BRASS PIN WELL MON.
CONTROL SET				
DESIGNATION	ELEVATION	NORTHING	EASTING	DESCRIPTION
1	832.93	2156647.31110	6051724.7840	CP SPK
2	839.13	2156588.7682	6052229.1580	CP MNW
6	853.11	2156344.3444	6052741.0042	CP MNW
7	858.62	2156161.8580	6052911.1116	CP MNW
9	865.40	2155897.7337	6053024.9686	CP MNW
12	882.39	2155585.3057	6053243.8079	CP SPK
16	887.00	2155529.5033	6053466.3883	CP SPK
17	894.86	2155106.3283	6053561.6556	CP SPK
19	900.19	2154844.9958	6053712.1849	CP MNW
20	899.58	2154924.1466	6053951.0295	CP MNW
26	911.64	2154669.6256	6054895.5848	CP SPK
30	907.51	2153887.4313	6054906.2735	CP MNW
32	994.29	2153542.7653	6055162.0198	CP SPK
34	912.64	2153523.2230	6055701.1644	CP MNW
51	927.60	2153019.6720	6055961.4600	CP MN
39	935.57	2152687.2822	6055851.8815	CP MN
40	930.82	2152646.9720	6056282.1668	CP SPK
44	930.59	2152540.5019	6056585.4757	CP MNW
46	937.50	2152281.6135	6056722.9662	CP MNW

### NOTES:

- HORIZONTAL CONTROL IS CALIFORNIA STATE PLANE COORDINATES. VERTICAL CONTROL IS NAVD88.
- WILDCAT CANYON: AREAS OF FIELD SURVEY WERE PERFORMED IN AUGUST, 2022. CONTOUR INFORMATION WAS OBTAINED FROM COUNTY OF ALAMEDA GIS. ASSESSOR PARCEL OUTLINES WERE OBTAINED FROM CITY OF BERKELEY GIS. CONTOUR AND PARCEL INFORMATION ARE NOT EXACT AND SHOWN FOR REFERENCE ONLY.
- NORTHINGS AND EASTINGS FOR MONUMENTS AND CONTROL POINTS LISTED IN THE TABLE ABOVE, ARE PER HORIZONTAL CONTROL USED TO COMPLETE FIELD TOPOGRAPHIC SURVEY PER NOTES 1 AND 2 ABOVE, AND ARE DERIVED FROM THE CAD FILE PREPARED AS A RESULT OF THE FIELD TOPOGRAPHIC SURVEY. VARIATIONS MAY EXIST IN COORDINATE DATA BETWEEN THE CAD FILES USED AS A BASIS FOR THIS PROJECT AND THE CITY'S MONUMENT COORDINATE DATABASE. CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL COORDINATE DATA FOR ANY MONUMENTS AND CONTROL POINTS FOUND AND AFFECTED OR UTILIZED DURING THE COURSE OF CONSTRUCTION.

## ABBREVIATIONS

AB	- AGGREGATE BASE
AC	- ASPHALT CONCRETE
AD	- AREA DRAIN
BC	- BEGINNING OF CURVE
B/L	- BASE LINE
BSW	- BACK OF SIDEWALK
CB	- CATCH BASIN
C&G	- CURB AND GUTTER
CC	- CAST IRON
ε	- CENTERLINE
CMP	- CORRUGATED METAL PIPE
CP	- CONTROL POINT
CP SPK	- CONTROL POINT "SPIKE"
CP MNW	- CONTROL POINT "MAG NAIL AND WASHER"
CP MN	- CONTROL POINT "MAG NAIL"
DI	- DROP INLET
DEP	- DEPRESSION
DESC	- DESCRIPTION
DWY	- DRIVEWAY
EC	- END OF CURVE
EG	- EXISTING GRADE
EP	- EDGE OF PAVEMENT
EL	- ELEVATION
EX	- EXISTING
FG	- FINISH GRADE
F/L	- FLOWLINE
FS	- FINISH SURFACE
GB	- GRADE BREAK
HDPE	- HIGH DENSITY POLYETHYLENE PIPE
INV	- INVERT
JB	- JUNCTION BOX
JP	- JOINT POLE
LF	- LINEAR FEET
LOW	- LIMIT OF WORK
MH	- MAINTENANCE HOLE
MON	- SURVEY MONUMENT
NTS	- NOT TO SCALE
PB	- PULL BOX
PCC	- PORTLAND CEMENT CONCRETE
PC	- POINT OF COMPOUND CURVE
POC	- POINT ON CURVE
PVC	- POLYVINYL CHLORIDE PIPE
PVC	- POLY VINYL CHLORIDE PIPE
RCP	- REINFORCED CONCRETE PIPE
RW	- RIGHT OF WAY
SS	- SANITARY SEWER
SSMH	- SANITARY SEWER MAINTENANCE HOLE
SD	- STORM DRAIN
SDCO	- STORM DRAIN CLEAN OUT
SDMH	- STORM DRAIN MAINTENANCE HOLE
SO	- SQUARE FEET
SSMH	- SANITARY SEWER MAINTENANCE HOLE
SW	- SIDEWALK
TC	- TOP OF CURB
TS	- TRAFFIC SIGNAL
TW	- TOP OF WALL
tw	- TOE OF WALL
UNO	- UNLESS NOTED OTHERWISE
VIF	- VERIFY IN FIELD



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DEPICTION OF MONUMENTS: \_\_\_\_\_  
SURVEY CHIEF OF PARTY: \_\_\_\_\_  
WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

DATE \_\_\_\_\_  
SUBMITTED: \_\_\_\_\_  
SUPERVISING ENGINEER: \_\_\_\_\_  
APPROVED: \_\_\_\_\_  
CITY ENGINEER: \_\_\_\_\_

DATE \_\_\_\_\_  
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VERT. \_\_\_\_\_  
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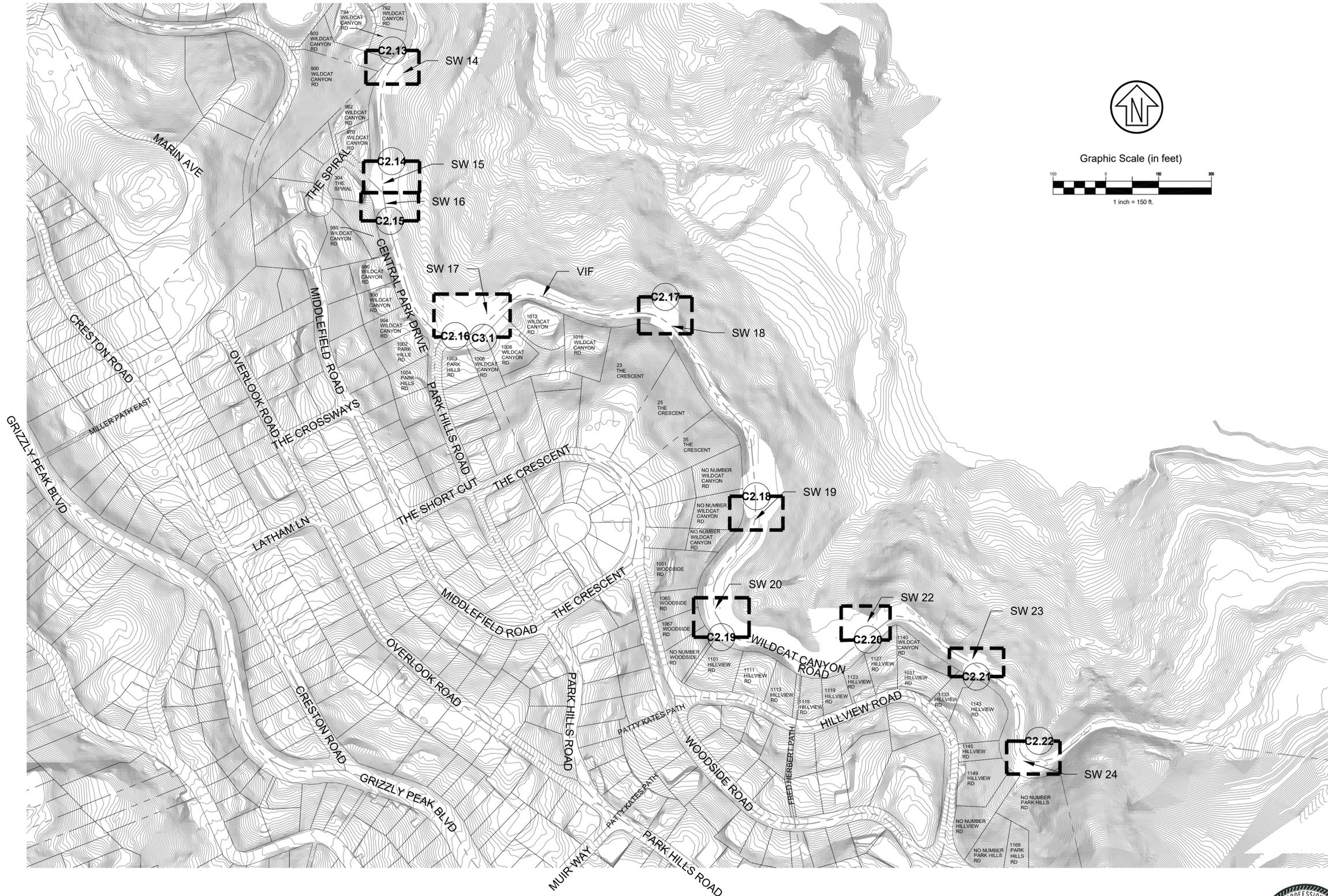
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

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PLAN 8279  
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SHEET 2 OF 35

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 SURVEY CHIEF OF PARTY \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_  
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_

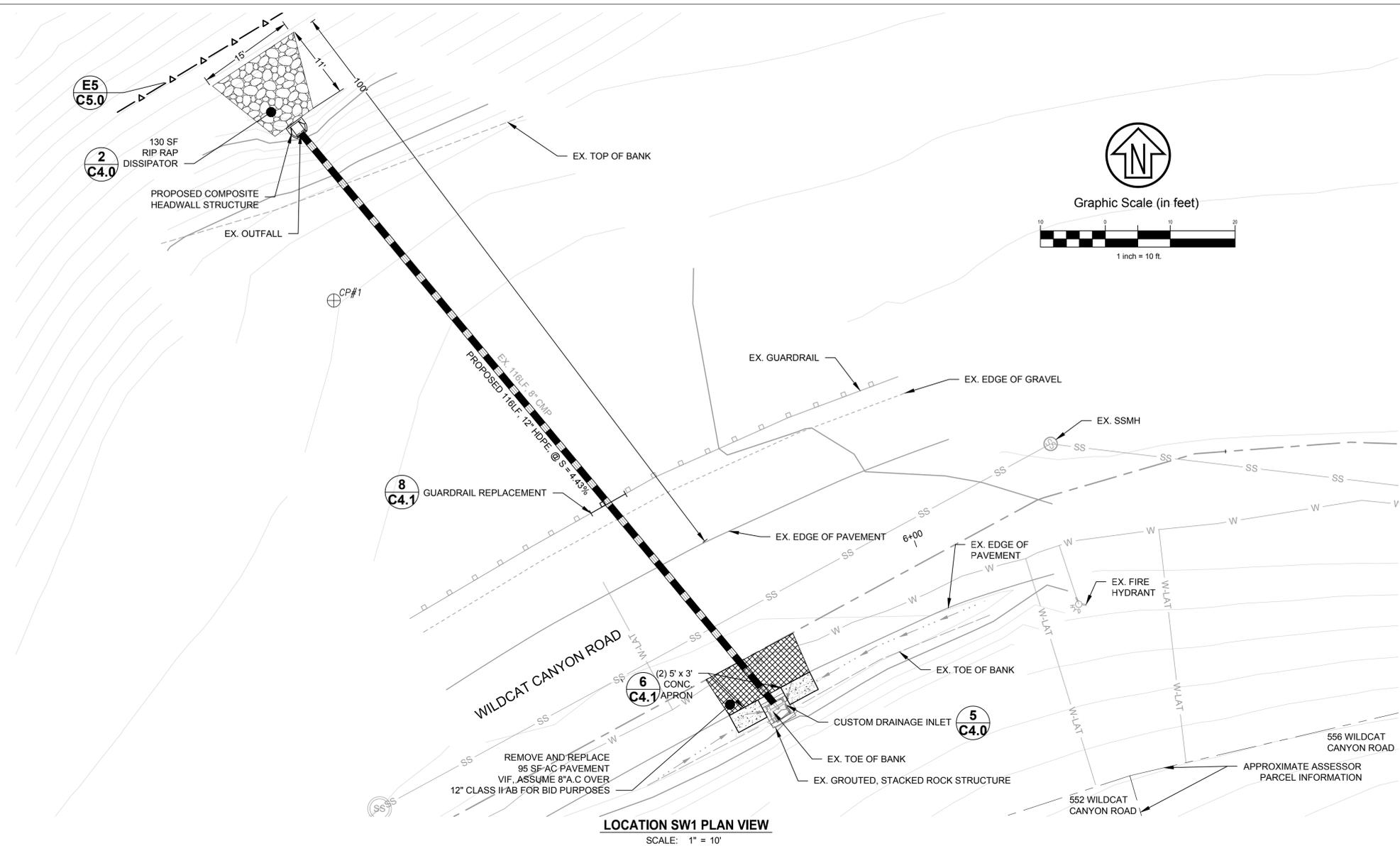
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 DRAWN \_\_\_\_\_ CMC/JVT \_\_\_\_\_  
 CHECK \_\_\_\_\_ JAH \_\_\_\_\_  
 AS BUILT \_\_\_\_\_ DATE 09/28/23

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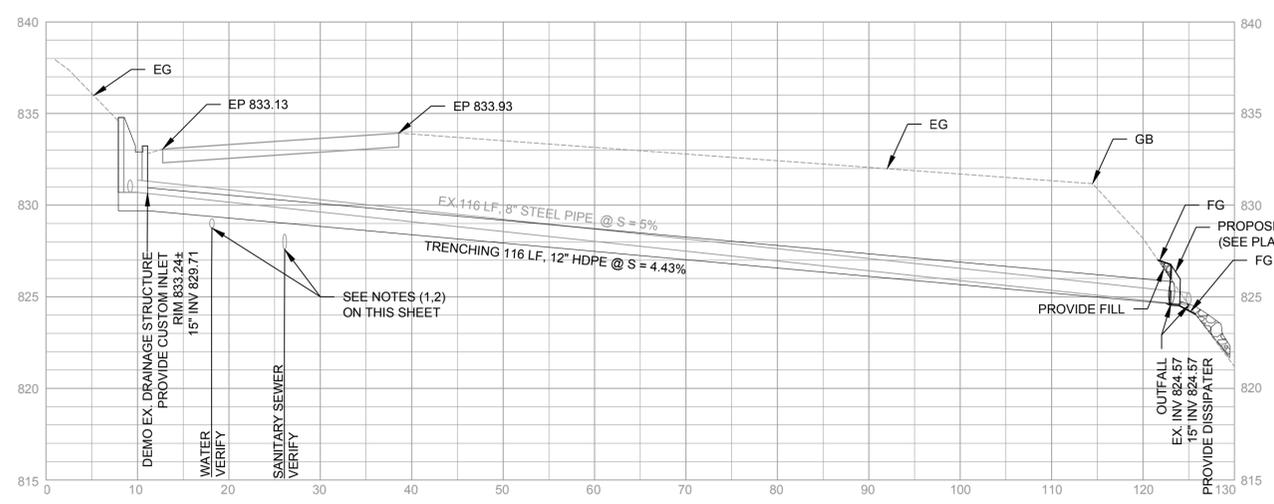
WILDCAT CANYON ROAD  
 DRAINAGE ENHANCEMENTS  
 INDEX SHEET SOUTH

PLAN 8279  
 FILE 502-718  
 C1.1  
 SHEET 4 OF 35

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
		09-28-23	BID SET	
		07-27-23	95% SUBMITTAL	
		10-27-22	65% SUBMITTAL	



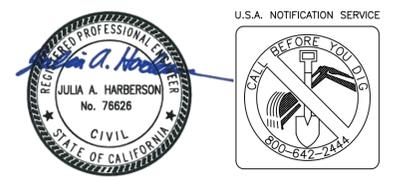
**LOCATION SW1 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW1 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

- LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
- CONTRACTOR SHALL POTHOLE TO CONFIRM LOCATION OF EXISTING UTILITIES AND PROVIDE RECORD OF POTHOLE RESULTS TO ENGINEER PRIOR TO CONSTRUCTION. AT A MINIMUM, RECORD TO INCLUDE HORIZONTAL LOCATION MEASURABLE FROM TWO SURVEYED OBJECTS IN PLANS, AND DEPTH FROM PAVEMENT SURFACE TO TOP OF EXPOSED UTILITY. MINIMUM 1' OF HORIZONTAL AND VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN PROPOSED STORM DRAIN AND OTHER UTILITIES. IF 1' CLEARANCE CANNOT BE MAINTAINED, NOTIFY ENGINEER IMMEDIATELY.
- EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G0.1 FOR NOTES RELATED TO POLLUTION PREVENTION. POLLUTION CONTROL BEST MANAGEMENT PRACTICE (BMP) SYMBOLS SHOWN HEREON ARE DIAGRAMMATIC. ONLY THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING BMP'S TO SUIT CONDITIONS OF THE SITE AND TO PREVENT POLLUTION TO THE MAXIMUM EXTENT PRACTICABLE AND TO BE PREPARED IN CASE OF EMERGENCIES.
- STRIPING MUST BE REPLACED IN KIND



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PROJECT MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
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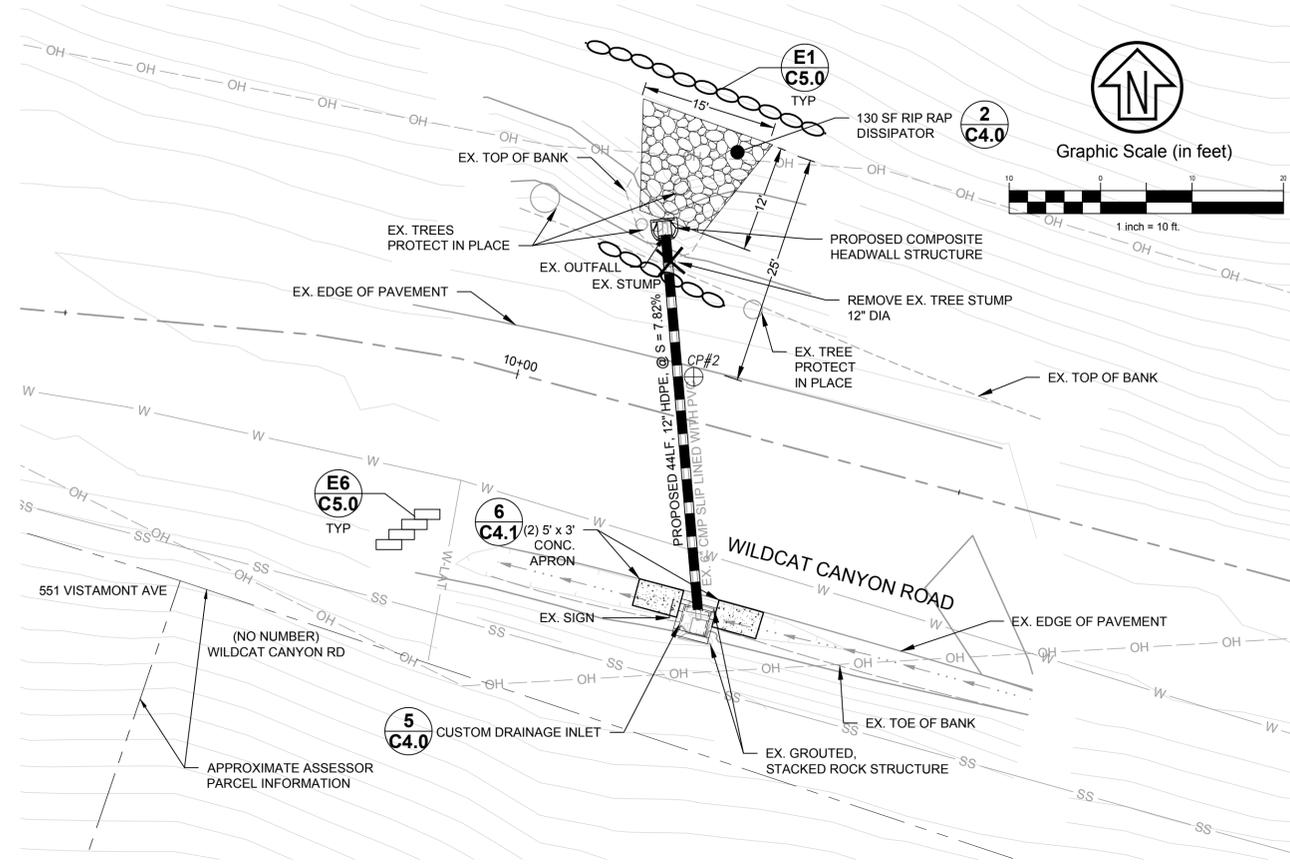
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 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 HORIZ.: \_\_\_\_\_  
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 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

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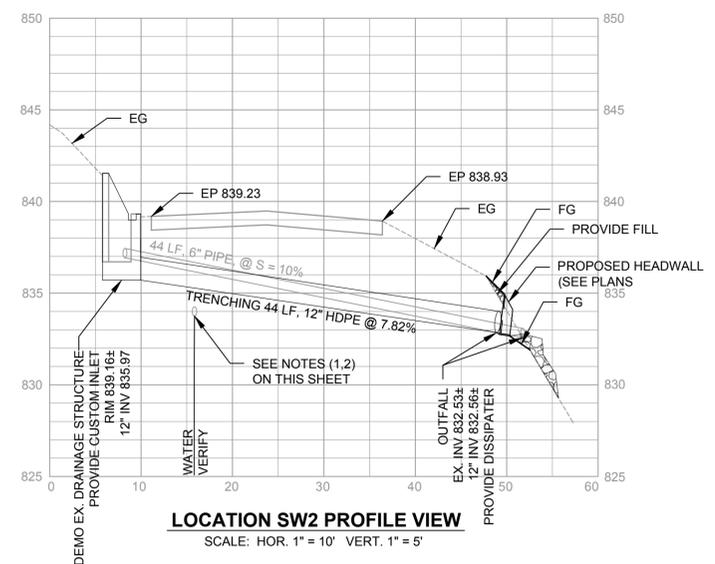
**WILDCAT CANYON ROAD  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE**

PLAN 8279  
 FILE 502-718  
 C2.0  
 SHEET 9 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
95% SUBMITTAL		07-27-23			
65% SUBMITTAL		10-27-22			



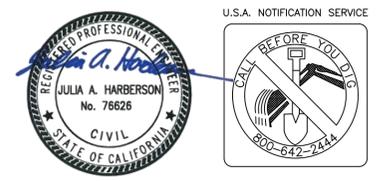
**LOCATION SW2 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW2 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

- LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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- CONTRACTOR SHALL REMOVE ALL DEBRIS FROM VICINITY OF INLET AND INSIDE STORM DRAIN, AND VERIFY INLET AND STORM DRAIN CONDITIONS WITH CITY ENGINEER PRIOR TO CONSTRUCTION.
- STRIPING MUST BE REPLACED IN KIND.



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SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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 CITY ENGINEER: \_\_\_\_\_ R.C.E. EXP. \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 DATE: 09/28/23

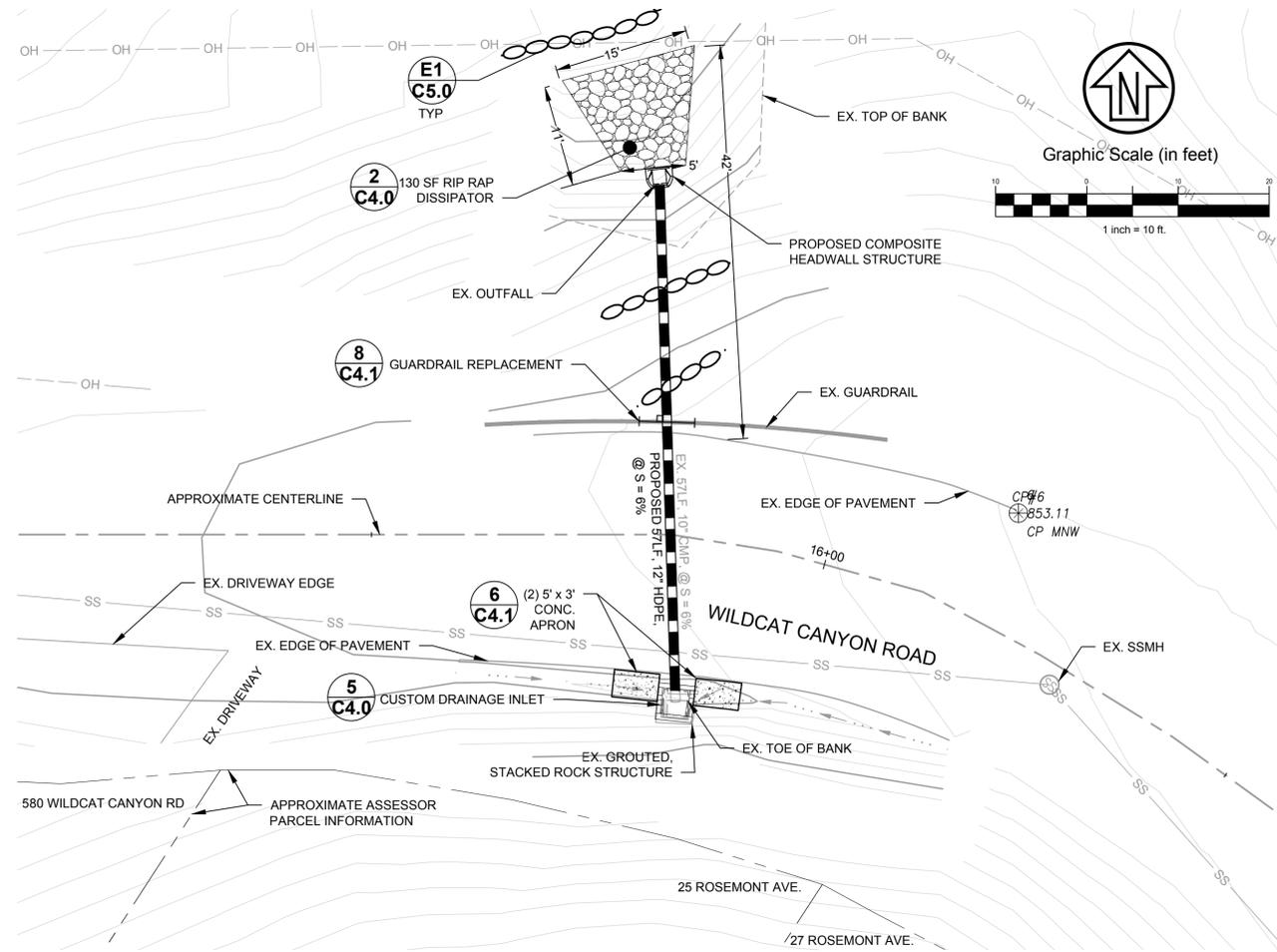
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 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

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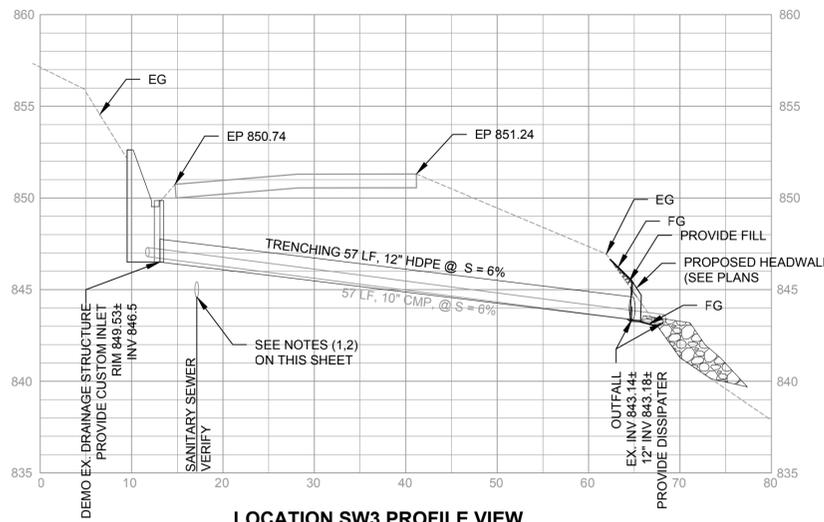
**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

PLAN 8279  
 FILE 502-718  
 C2.1  
 SHEET 6 OF 35

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
09-28-23			BID SET	
07-27-23			95% SUBMITTAL	
10-27-22			65% SUBMITTAL	



**LOCATION SW3 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW3 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

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4. STRIPING MUST BE REPLACED IN KIND



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SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
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 EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 R.C.E. \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 DATE: 09/28/23

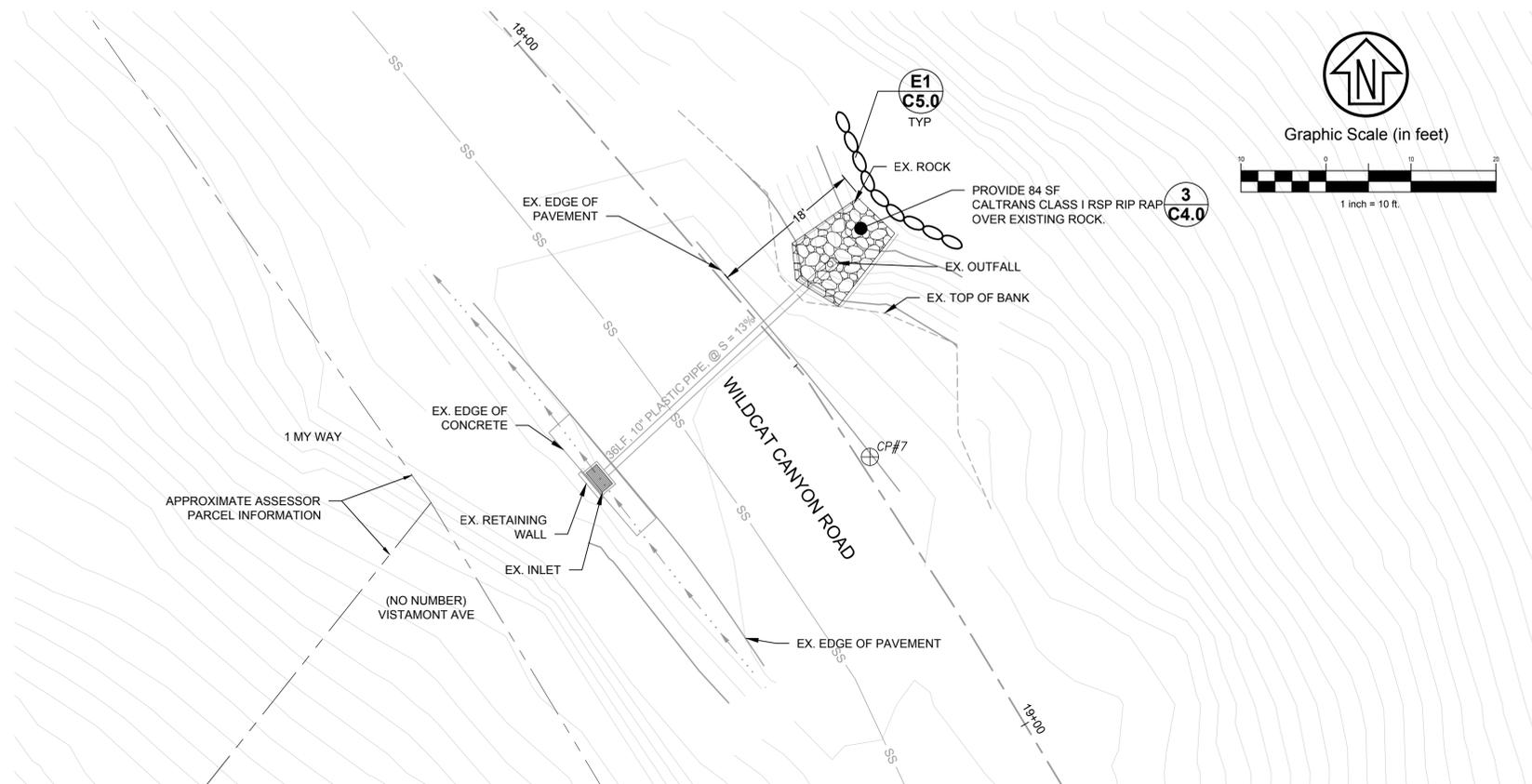
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 VERT. \_\_\_\_\_  
 BOOK \_\_\_\_\_  
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**WILDCAT CANYON ROAD**  
DRAINAGE ENHANCEMENTS  
PLAN AND PROFILE

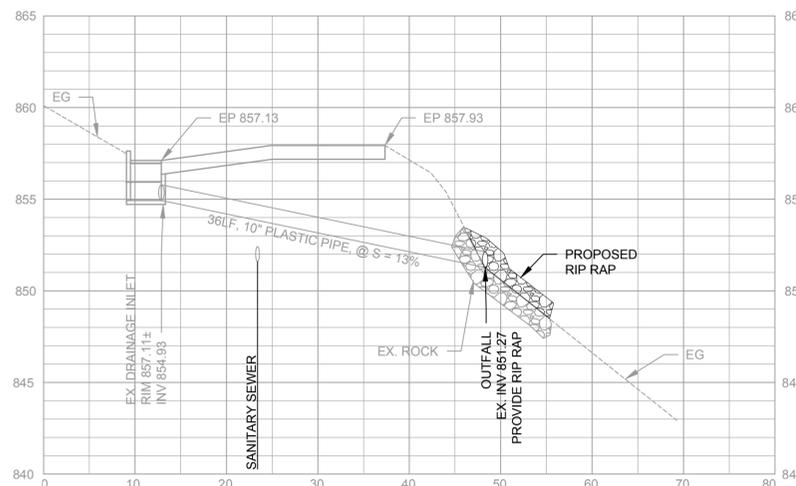
PLAN: 8279  
 FILE: 502-718  
 C2.2  
 SHEET 7 OF 35

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
09-28-23			BID SET	
07-27-23			95% SUBMITTAL	
10-27-22			65% SUBMITTAL	



**LOCATION SW4 PLAN VIEW**

SCALE: 1" = 10'



**LOCATION SW4 PROFILE VIEW**

SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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 R.C.E. \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: \_\_\_\_\_ KNP  
 DRAWN: \_\_\_\_\_ CMC/JVT  
 CHECK: \_\_\_\_\_ JAH  
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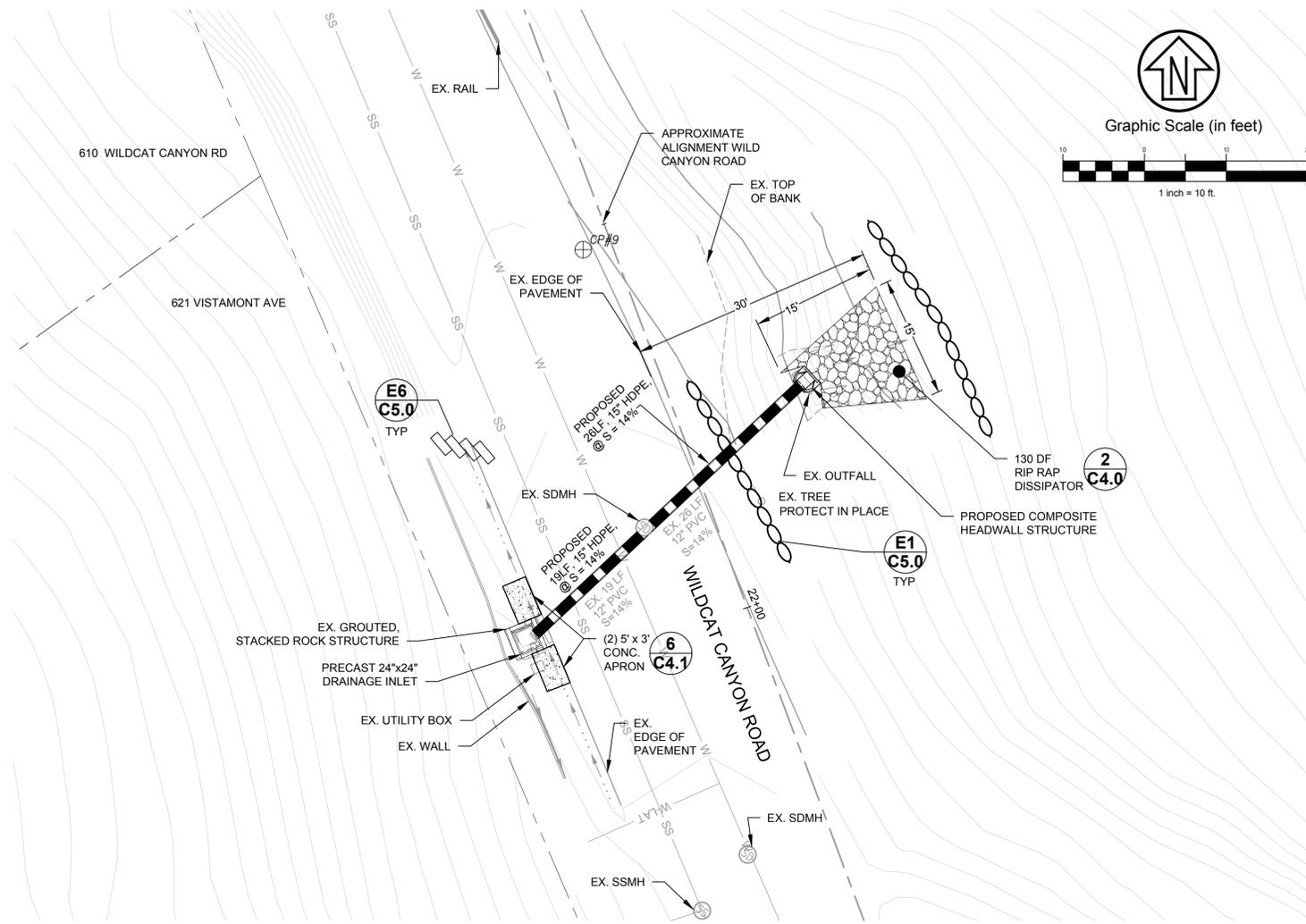
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 VERT.: \_\_\_\_\_  
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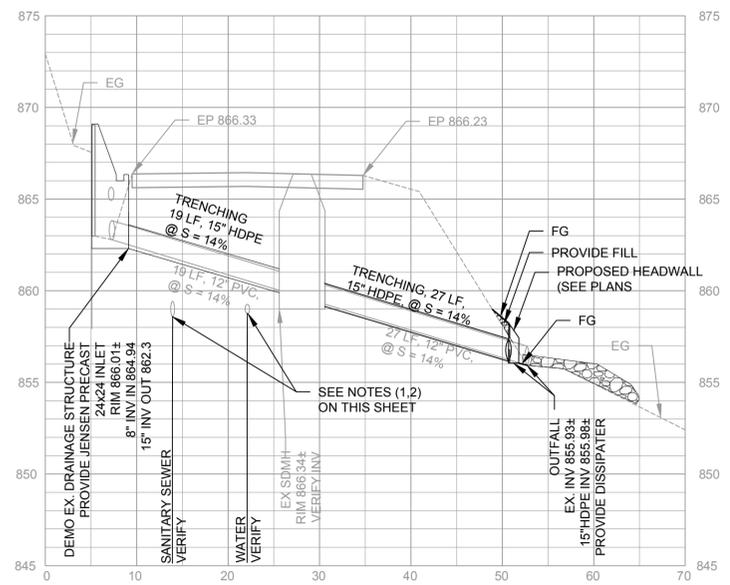
**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

PLAN 8279  
 FILE 502-718  
 C2.3  
 SHEET 8 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
95% SUBMITTAL		07-27-23			
65% SUBMITTAL		10-27-22			



**LOCATION SW5 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW5 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

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SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
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 EXP. \_\_\_\_\_  
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 CITY ENGINEER \_\_\_\_\_ R.C.E. \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
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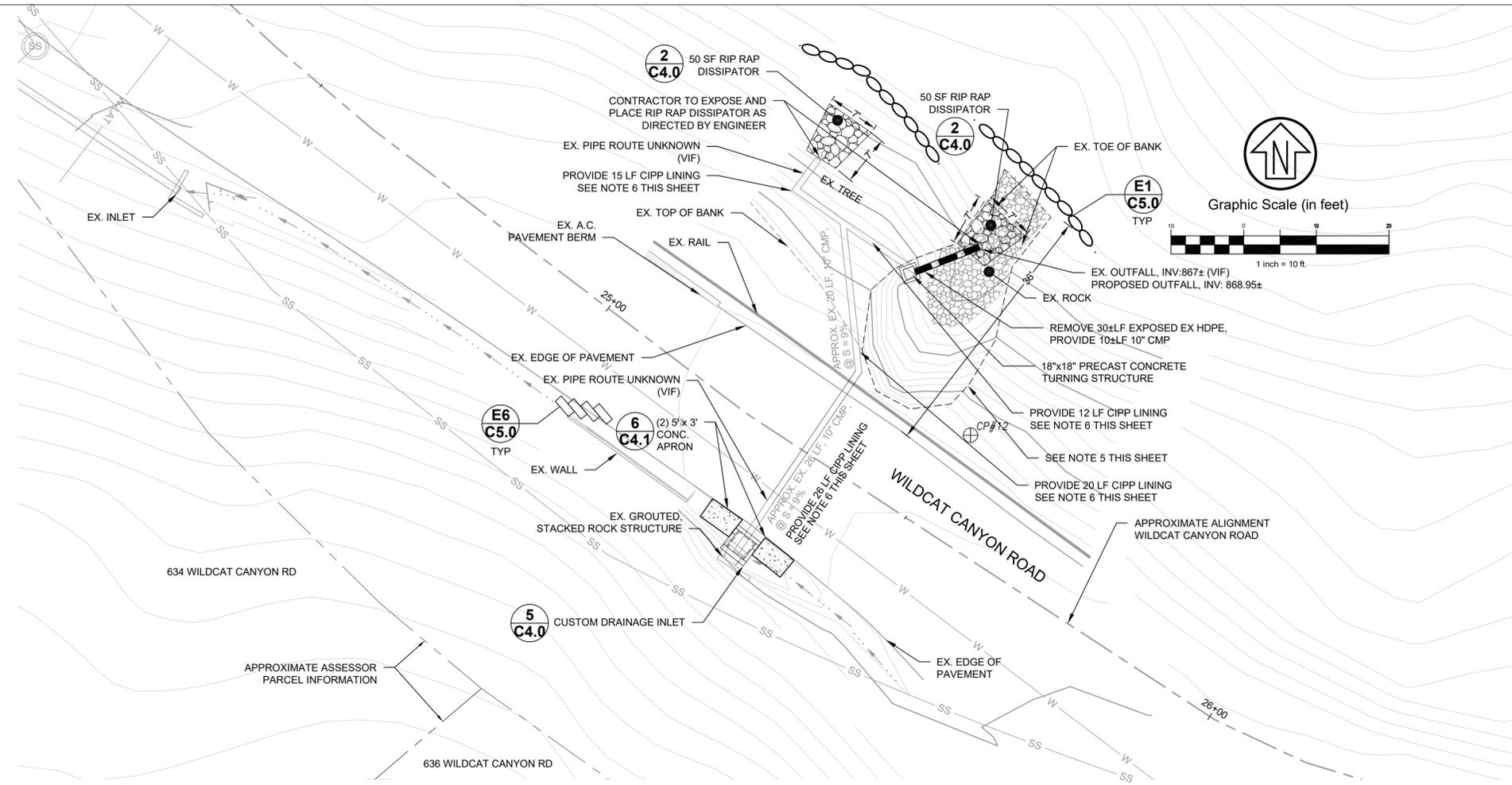
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**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

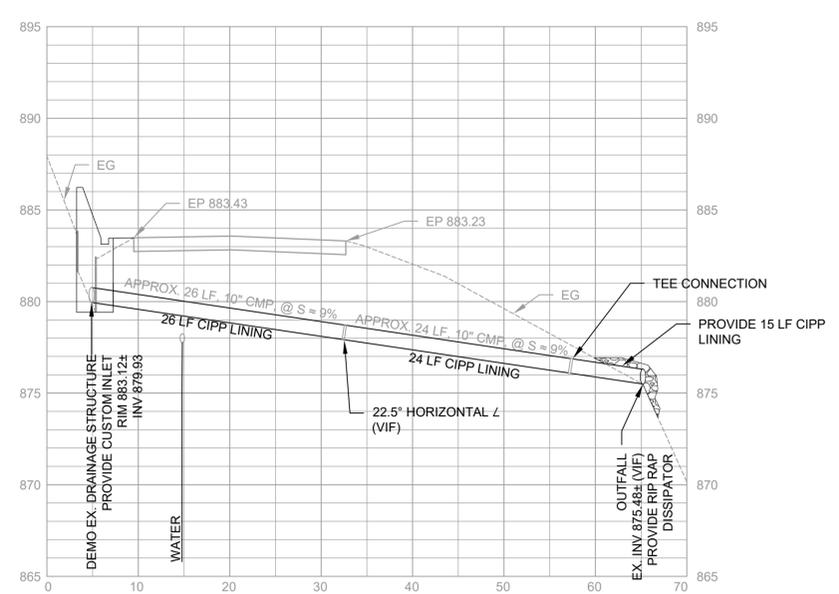
PLAN 8279  
 FILE 502-718  
 C2.4  
 SHEET 9 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
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07-27-23	95% SUBMITTAL				
10-27-22	65% SUBMITTAL				

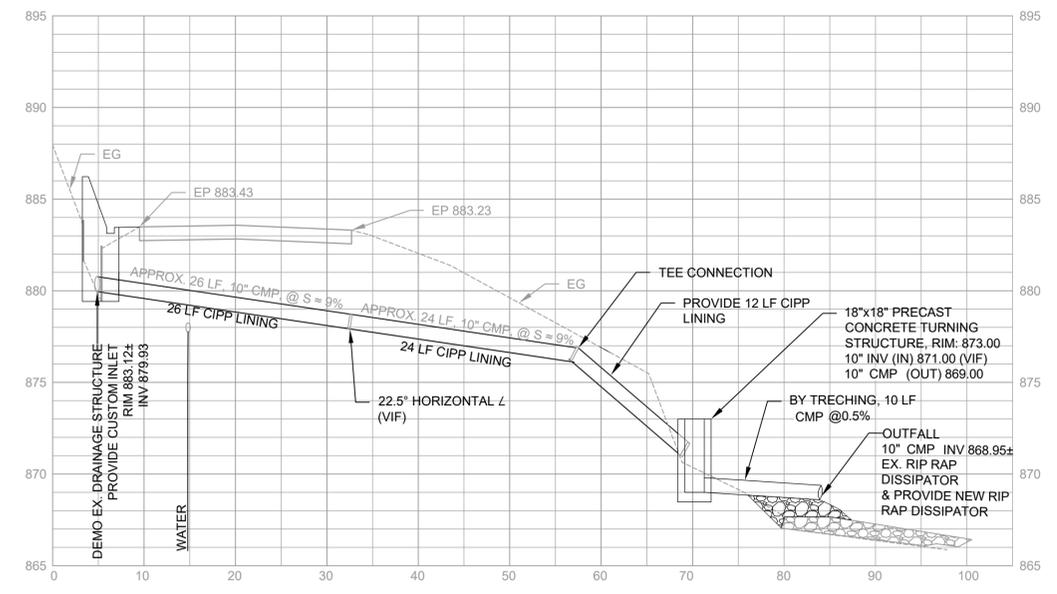


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  4. STRIPING MUST BE REPLACED IN KIND
  5. EXISTING TOPOGRAPHIC CONDITIONS HAVE CHANGED DUE TO SLIDE REPAIR ACTIVITIES. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
  6. ASSUME TRENCHING WILL OCCUR AT 3 LOCATIONS ALONG EXISTING PIPE ROUTE TO ACCESS PIPE, IN ORDER TO INSTALL CIPP LINING. REPAIR ACCESS LOCATIONS PER DETAIL 9 ON SHEET C4.1.

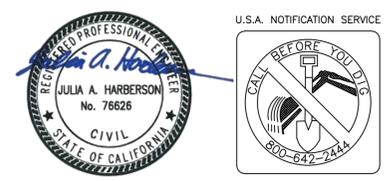
**LOCATION SW6 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW6 PROFILE VIEW (WEST SIDE OUTFALL)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



**LOCATION SW6 PROFILE VIEW (EAST SIDE OUTFALL)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



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 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_

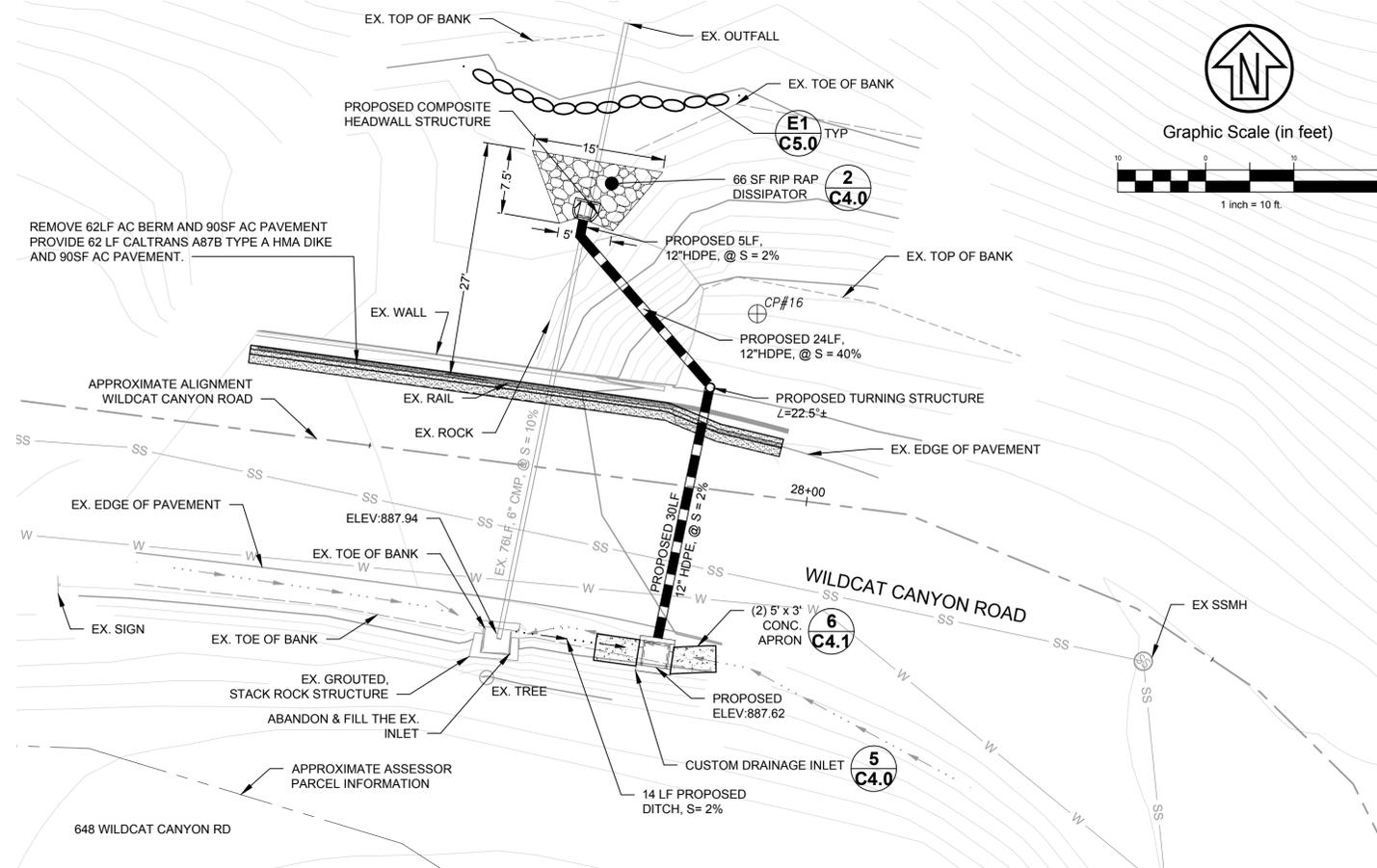
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 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS PLAN AND PROFILE**

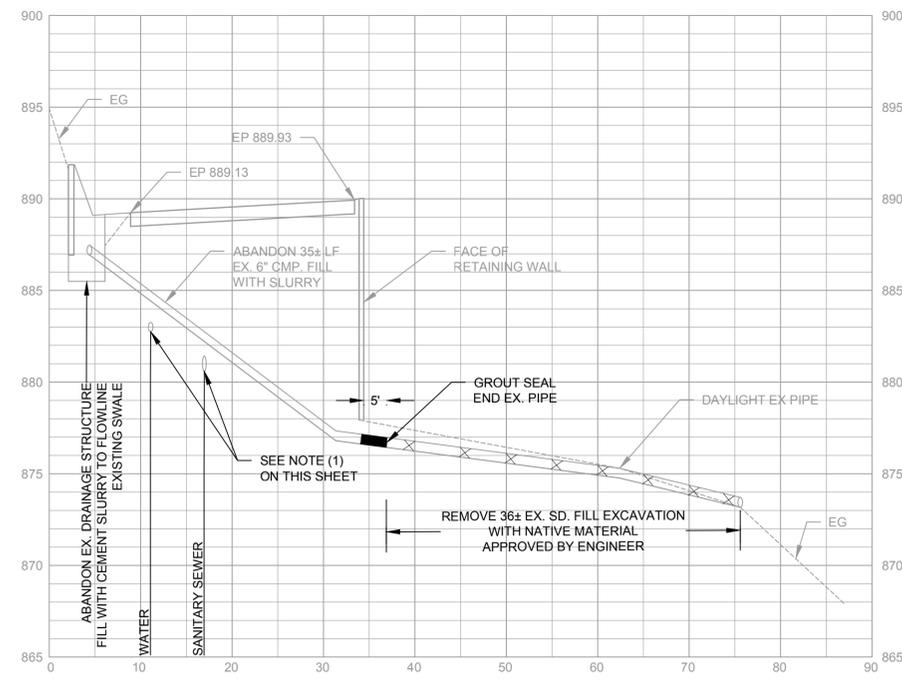
PLAN 8279  
 FILE 502-718  
 C2.5  
 SHEET 10 OF 35

BID SET	DESCRIPTION	DATE	MARK	APPROVAL
09-28-23	95% SUBMITTAL	07-27-23		
	65% SUBMITTAL	10-27-22		

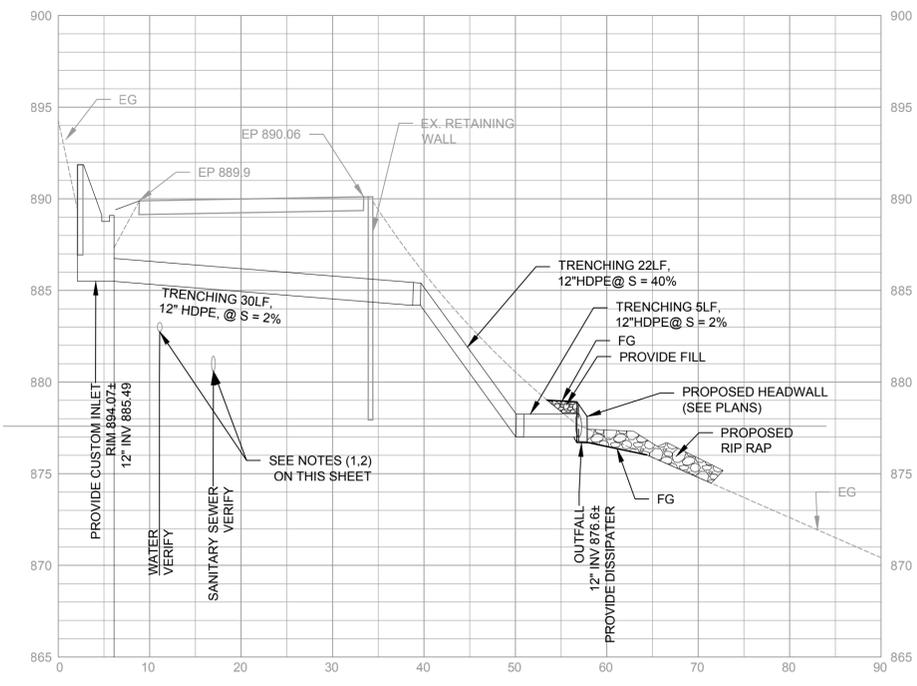


**LOCATION SW7 PLAN VIEW**  
SCALE: 1" = 10'

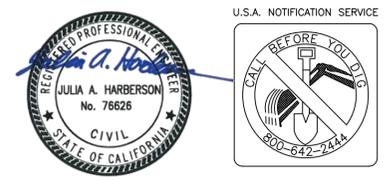
- NOTES:**
1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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  4. STRIPING MUST BE REPLACED IN KIND



**LOCATION SW7 PROFILE VIEW (EG AT EXISTING PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



**LOCATION SW7 PROFILE VIEW (EG AT PROPOSED PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



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PROJECT MANAGER: \_\_\_\_\_ DATE \_\_\_\_\_  
 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY: \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_

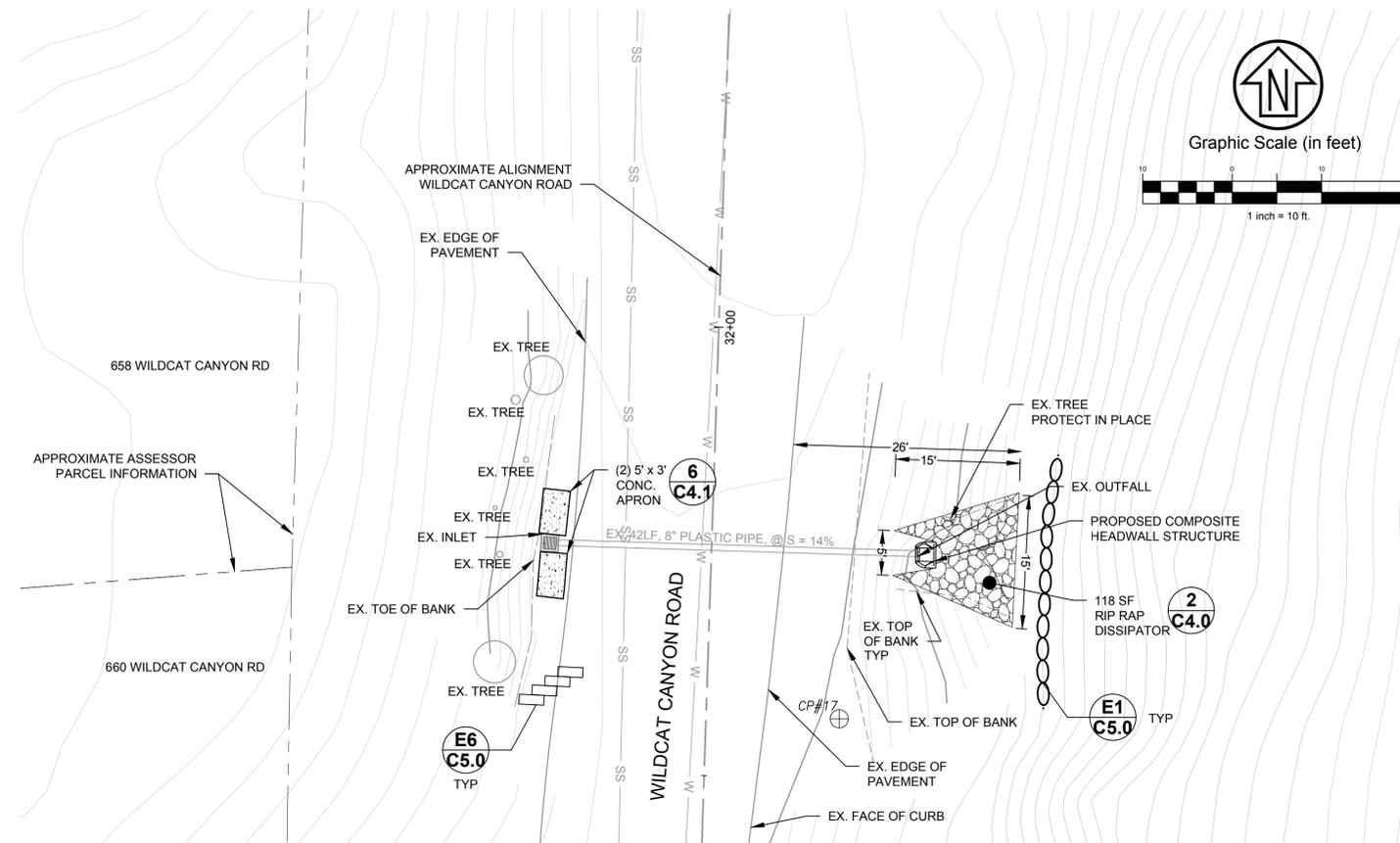
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 CHECK: JAH  
 AS BUILT: \_\_\_\_\_

HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

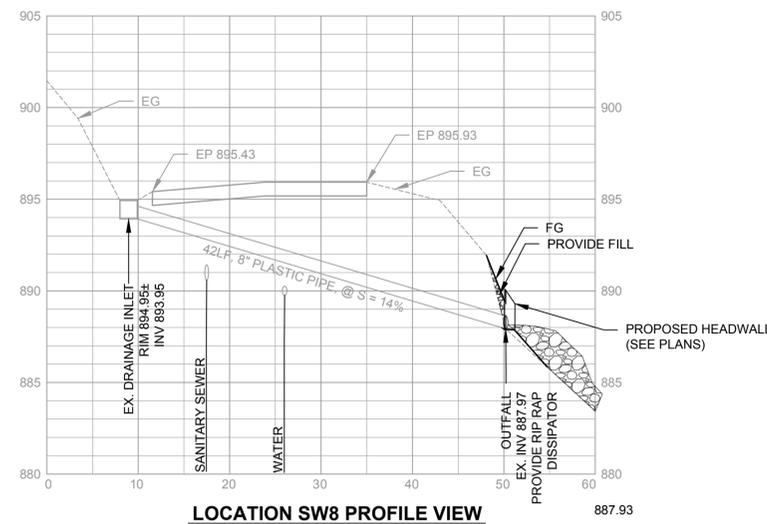
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**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS PLAN AND PROFILE**

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
95% SUBMITTAL		07-27-23			
65% SUBMITTAL		10-27-22			

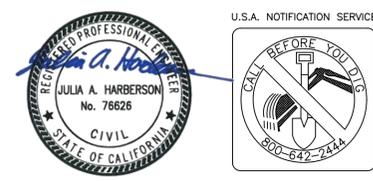


**LOCATION SW8 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW8 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

- NOTES:**
1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY: \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
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 REGISTR. \_\_\_\_\_  
 R.C.E. \_\_\_\_\_  
 DATE: 09/28/23

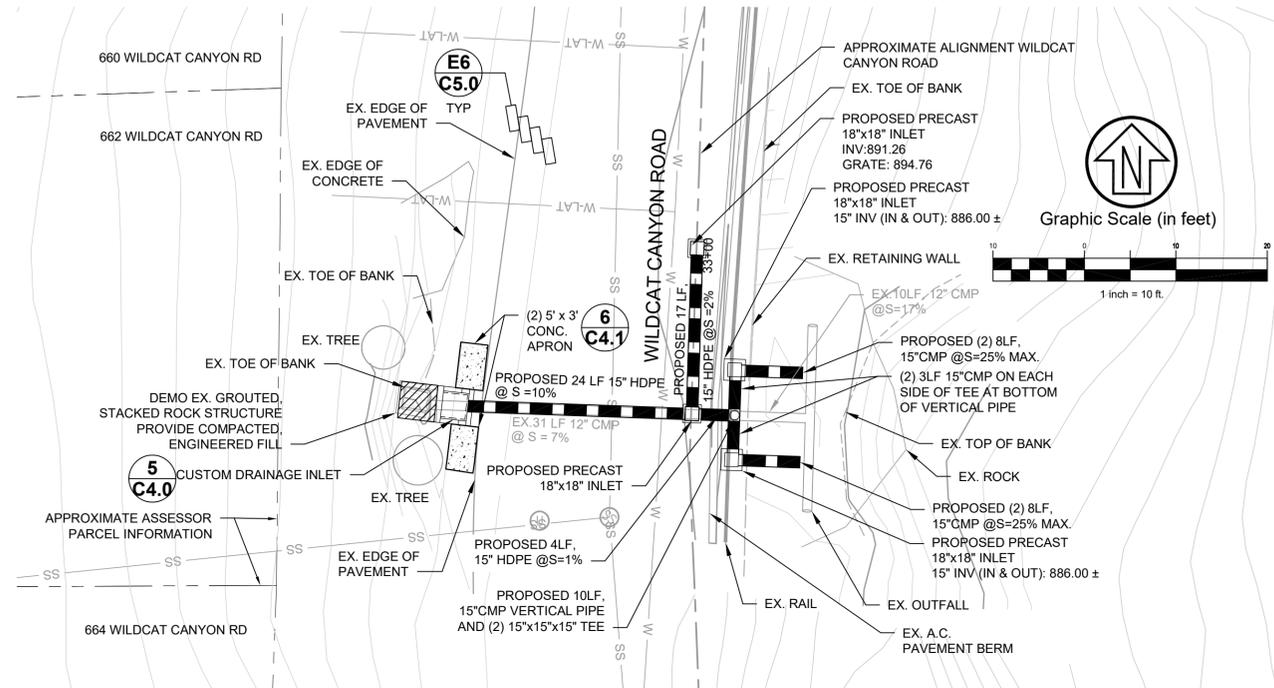
HORIZ. \_\_\_\_\_  
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 BOOK \_\_\_\_\_  
 DATE: 09/28/23

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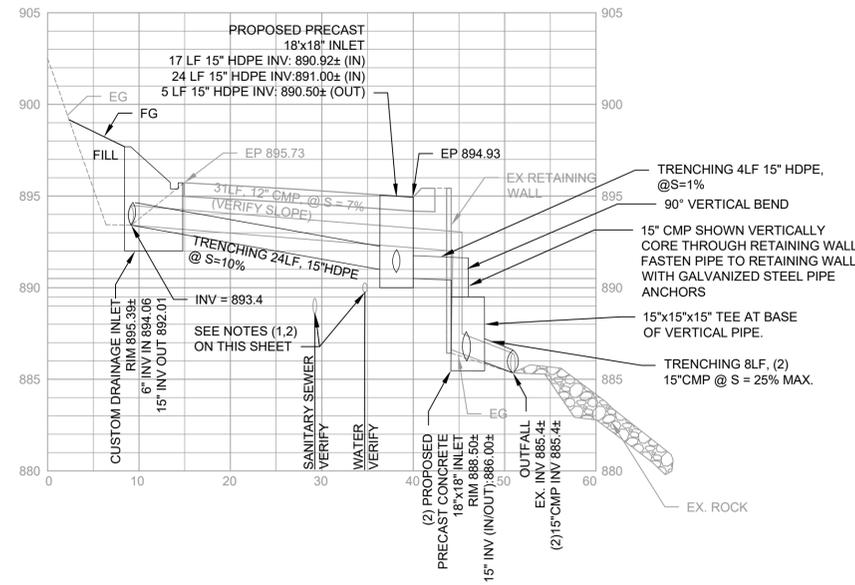
**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

PLAN 8279  
 FILE 502-718  
 C2.7  
 SHEET 12 OF 35

BID SET	DATE	DESCRIPTION	APPROVAL
95% SUBMITTAL	07-27-23		
65% SUBMITTAL	10-27-22		



**LOCATION SW9 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW9 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

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 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY: \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_

HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

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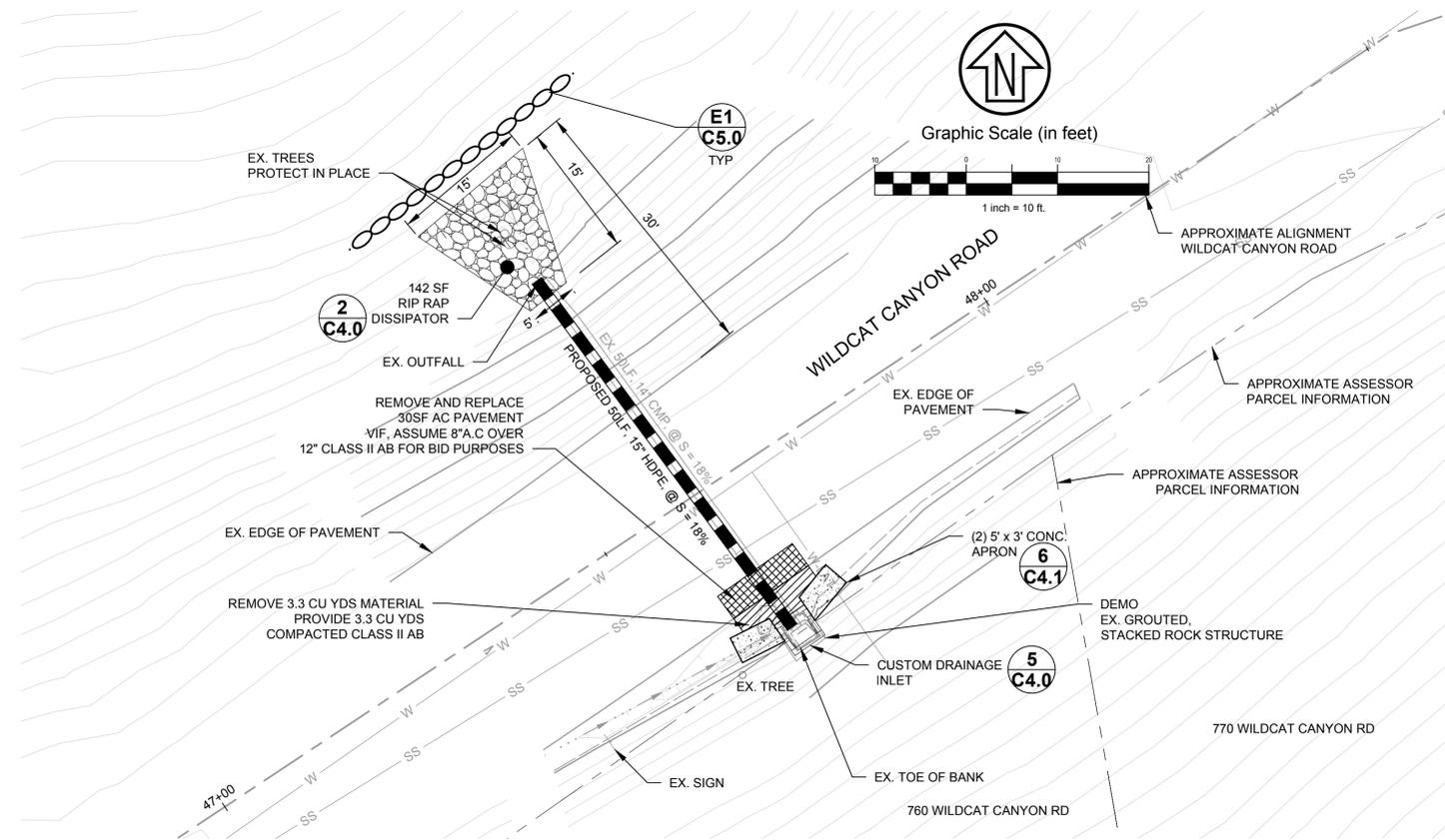
**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS PLAN AND PROFILE**

PLAN	8279
FILE	502-718
	C2.8
SHEET	13 OF 35

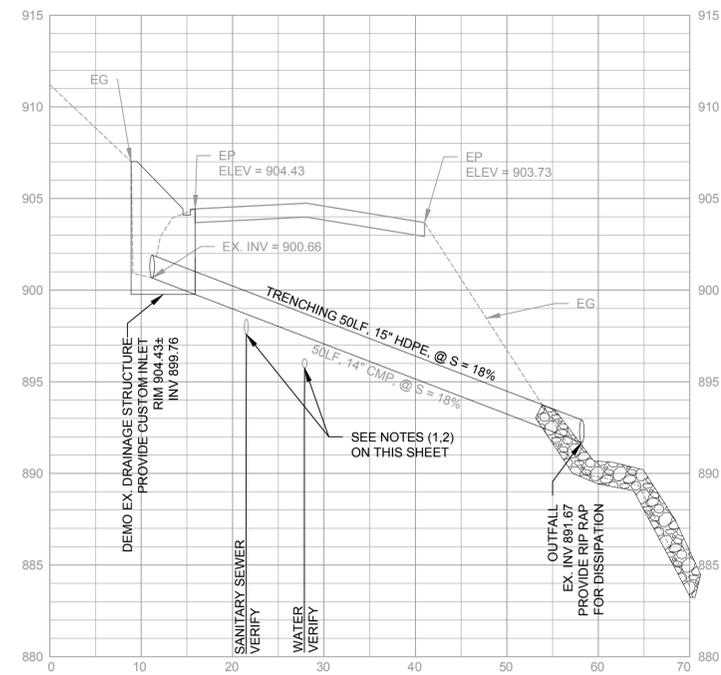
BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
07-27-23	95% SUBMITTAL				
10-27-22	65% SUBMITTAL				







**LOCATION SW12 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW12 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

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SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_

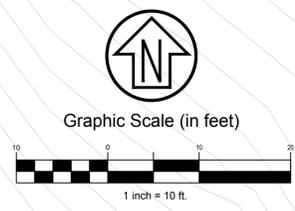
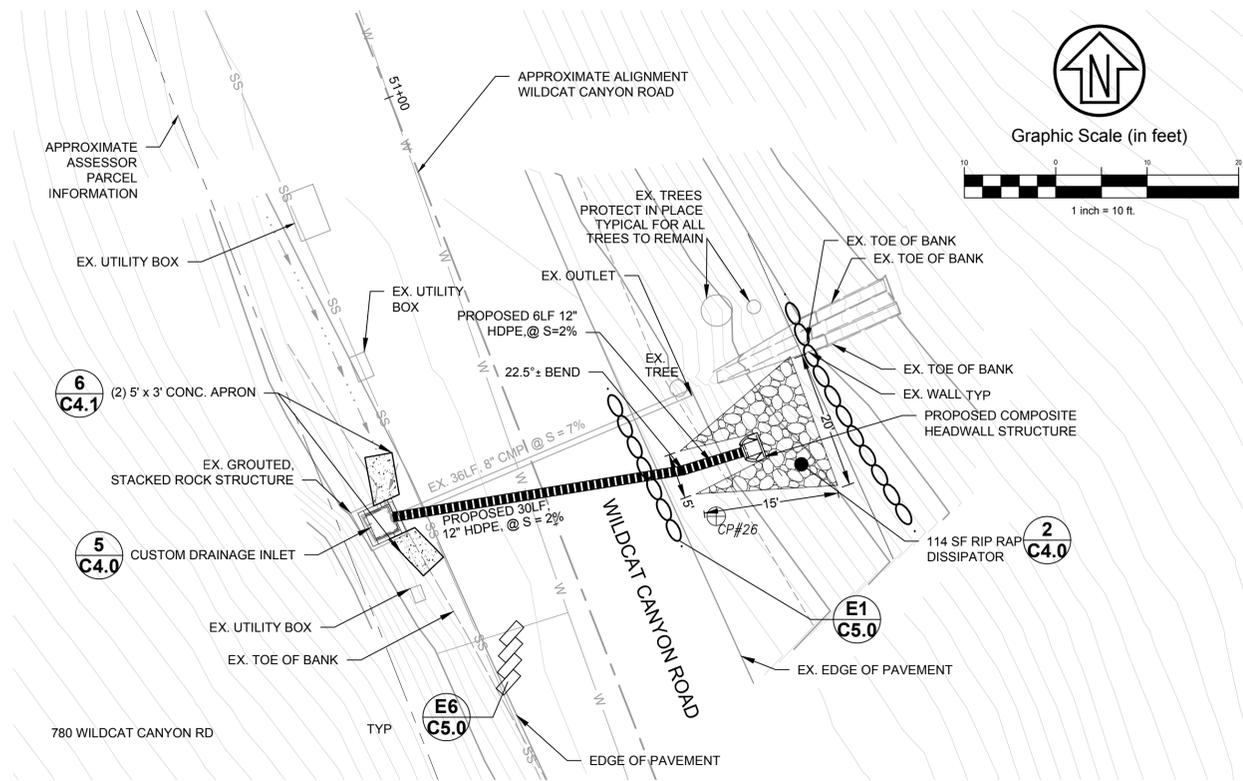
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 CHECK: JAH  
 AS BUILT: \_\_\_\_\_

HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
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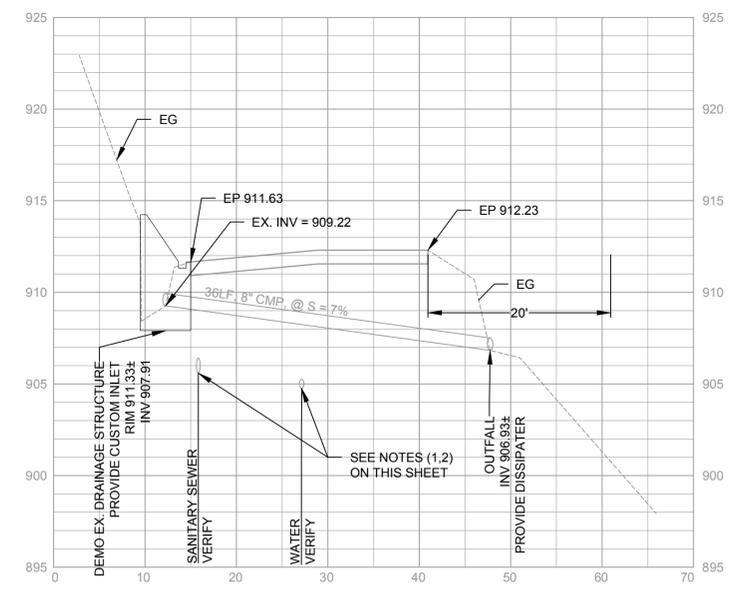
**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
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		07-27-23	95% SUBMITTAL	
		10-27-22	65% SUBMITTAL	

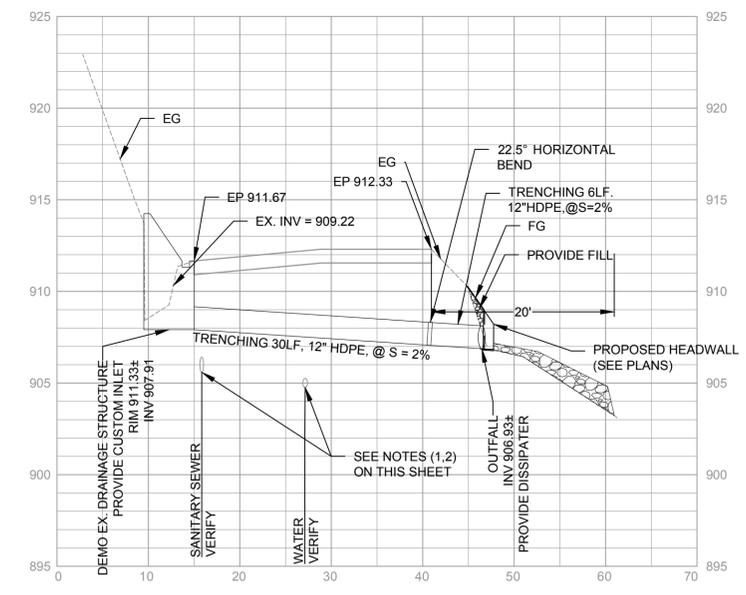


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**LOCATION SW13 PLAN VIEW**  
SCALE: 1" = 10'

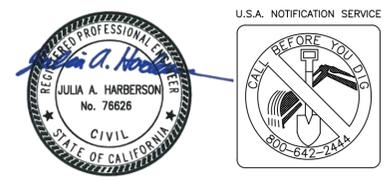


**LOCATION SW13 PROFILE VIEW (EG AT EXISTING PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



**LOCATION SW13 PROFILE VIEW (EG AT PROPOSED PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

BID SET	APPROVAL
95% SUBMITTAL	
65% SUBMITTAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



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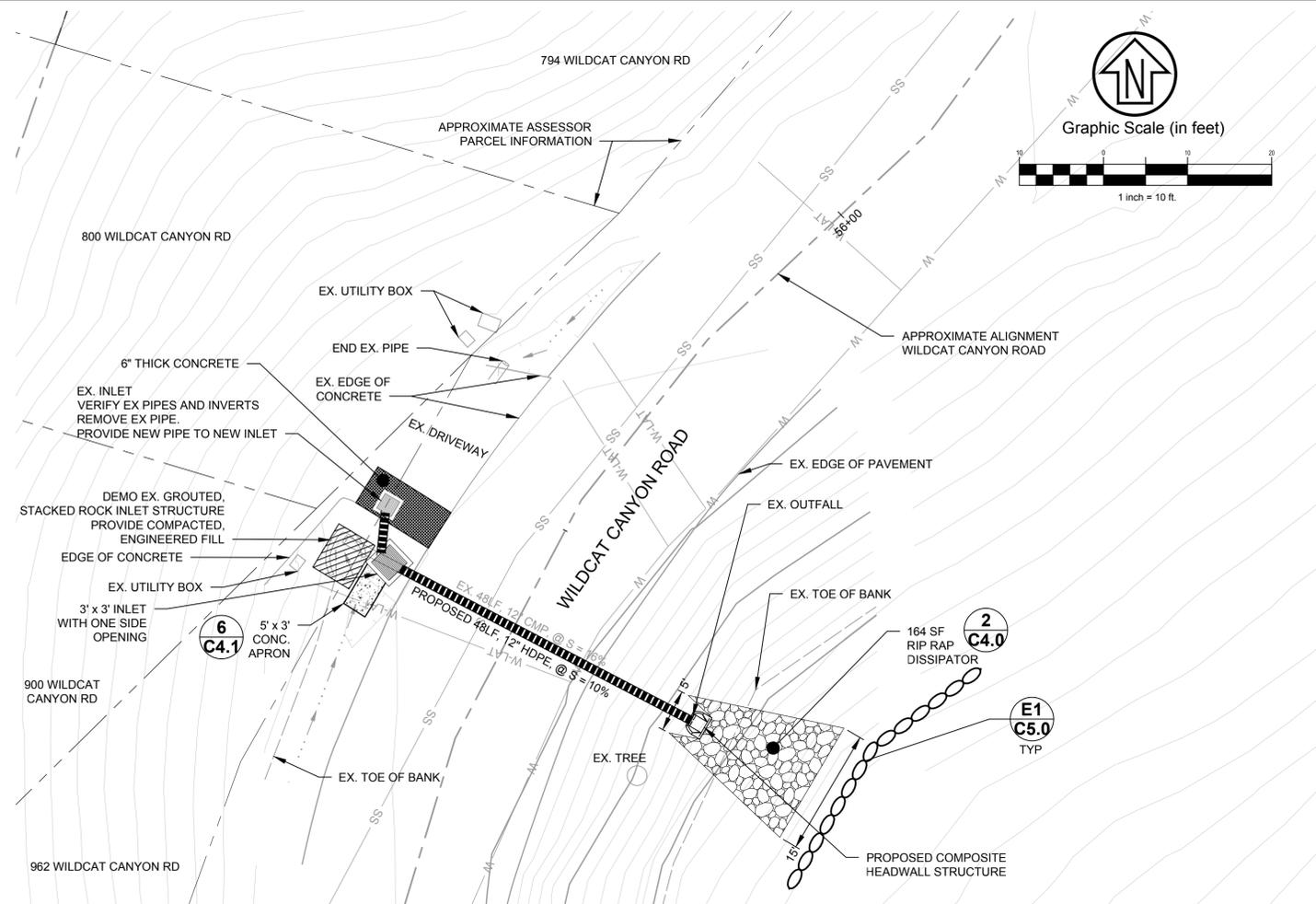
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 SURVEY CHIEF OF PARTY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE: \_\_\_\_\_

DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_ REGISTR. EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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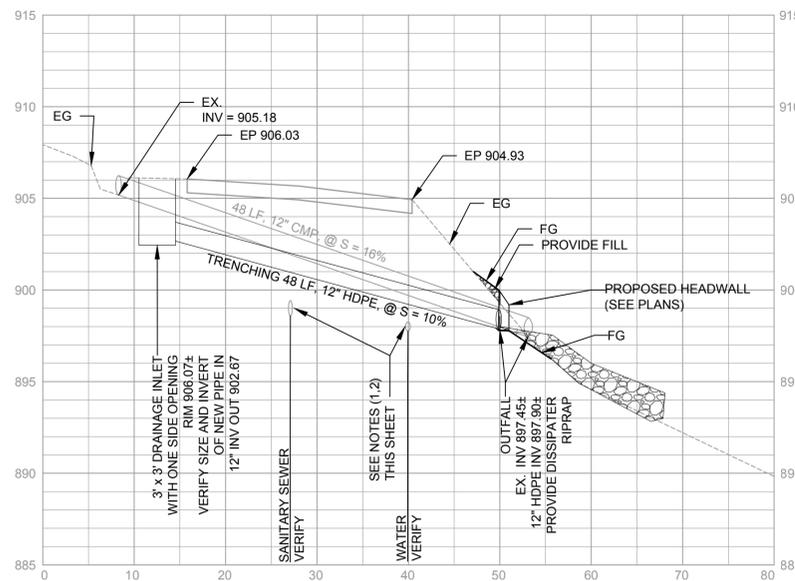
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 HORIZ.: \_\_\_\_\_  
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**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS PLAN AND PROFILE**



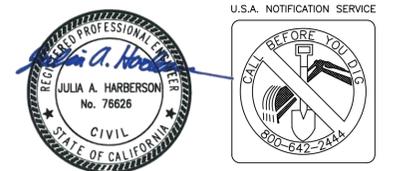
**LOCATION SW14 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW14 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

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 SURVEY CHIEF OF PARTY \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTR. \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 R.C.E. \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 DATE: 09/28/23

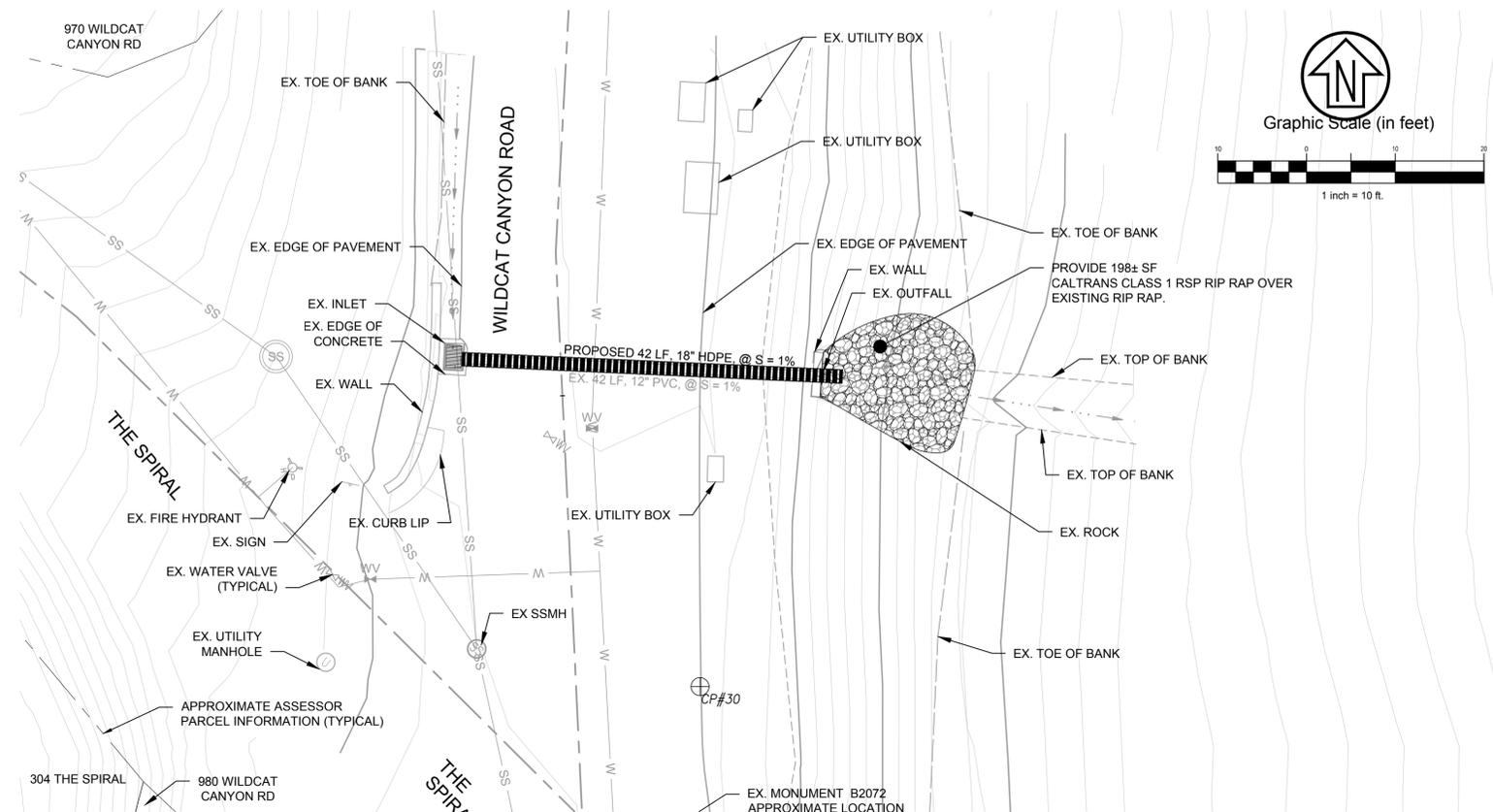
HORIZ. \_\_\_\_\_  
 VERT. \_\_\_\_\_  
 BOOK \_\_\_\_\_  
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**CITY OF BERKELEY**  
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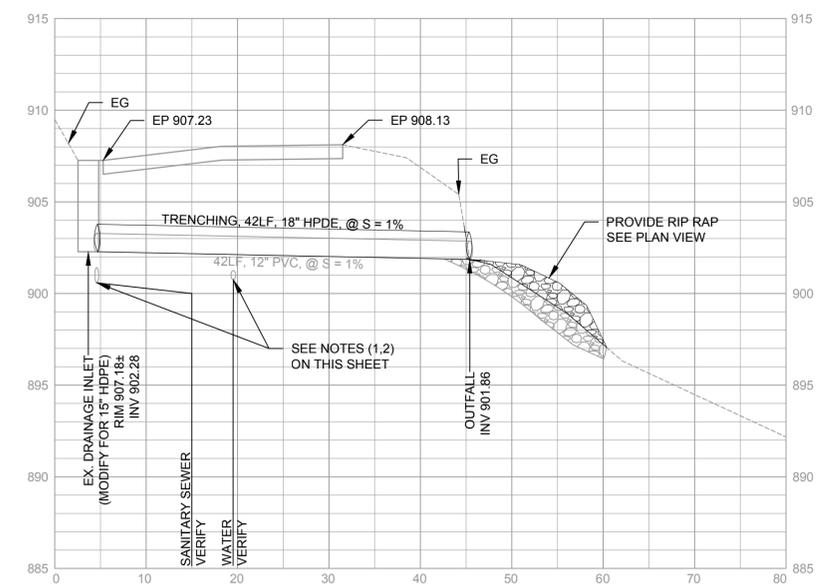
**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

PLAN 8279  
 FILE 502-718  
 C2.13  
 SHEET 18 OF 35

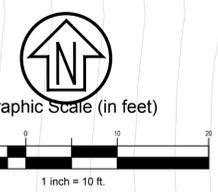
BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
95% SUBMITTAL		07-27-23			
65% SUBMITTAL		10-27-22			



**LOCATION SW15 PLAN VIEW**  
SCALE: 1" = 10'

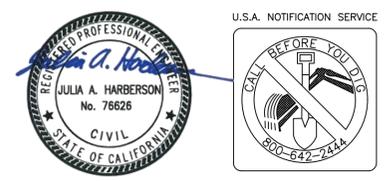


**LOCATION SW15 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
2. CONTRACTOR SHALL POTHOLE TO CONFIRM LOCATION OF EXISTING UTILITIES AND PROVIDE RECORD OF POTHOLE RESULTS TO ENGINEER PRIOR TO CONSTRUCTION. AT A MINIMUM, RECORD TO INCLUDE HORIZONTAL LOCATION MEASURABLE FROM TWO SURVEYED OBJECTS IN PLANS, AND DEPTH FROM PAVEMENT SURFACE TO TOP OF EXPOSED UTILITY. MINIMUM 1' OF HORIZONTAL AND VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN PROPOSED STORM DRAIN AND OTHER UTILITIES. IF 1' CLEARANCE CANNOT BE MAINTAINED, NOTIFY ENGINEER IMMEDIATELY.
3. EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G01 FOR NOTES RELATED TO POLLUTION PREVENTION. POLLUTION CONTROL BEST MANAGEMENT PRACTICE (BMP) SYMBOLS SHOWN HEREON ARE DIAGRAMMATIC. ONLY THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING BMP'S TO SUIT CONDITIONS OF THE SITE AND TO PREVENT POLLUTION TO THE MAXIMUM EXTENT PRACTICABLE AND TO BE PREPARED IN CASE OF EMERGENCIES
4. STRIPING MUST BE REPLACED IN KIND



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PROJECT MANAGER: \_\_\_\_\_ DATE \_\_\_\_\_  
 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_

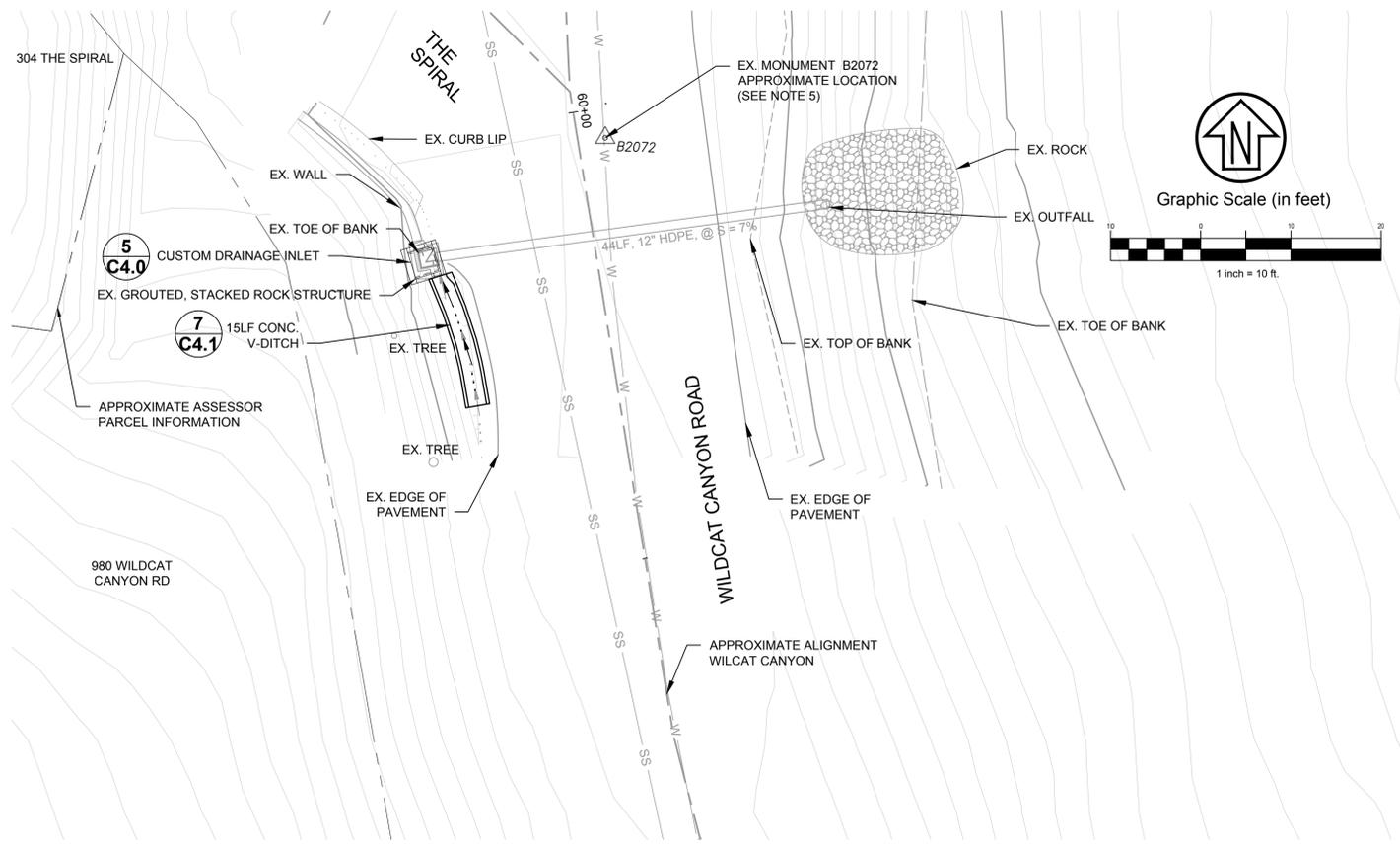
HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
 DEPARTMENT OF PUBLIC WORKS

**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

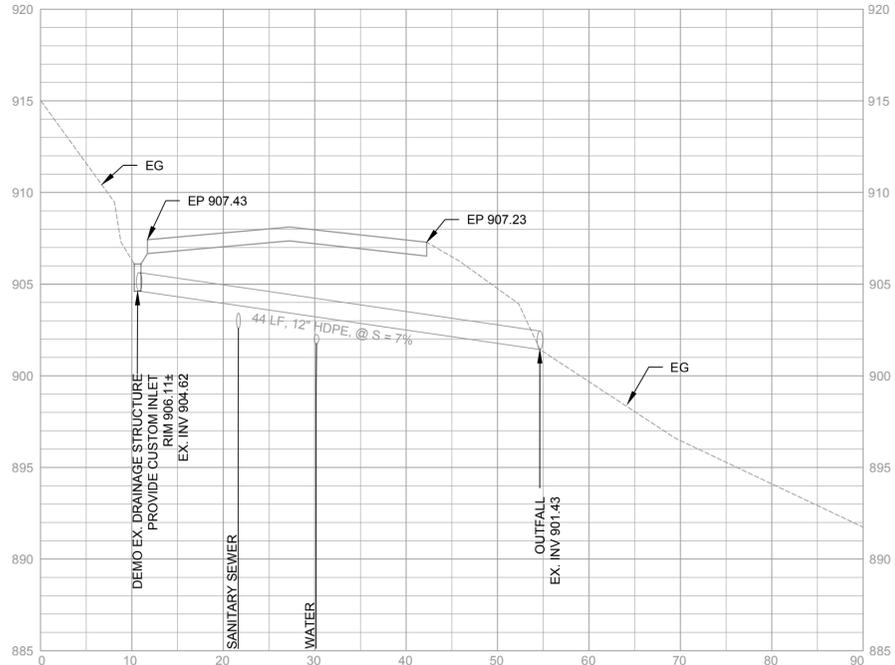
PLAN 8279  
 FILE 502-718  
 C2.14  
 SHEET 19 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
95% SUBMITTAL		07-27-23			
65% SUBMITTAL		10-27-22			



**LOCATION SW16 PLAN VIEW**

SCALE: 1" = 10'

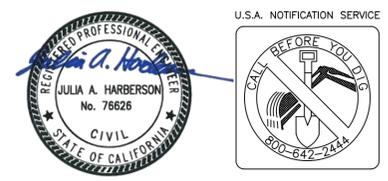


**LOCATION SW16 PROFILE VIEW**

SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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3. EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G0.1 FOR NOTES RELATED TO POLLUTION PREVENTION. POLLUTION CONTROL BEST MANAGEMENT PRACTICE (BMP) SYMBOLS SHOWN HEREON ARE DIAGRAMMATIC, ONLY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING BMP'S TO SUIT CONDITIONS OF THE SITE AND TO PREVENT POLLUTION TO THE MAXIMUM EXTENT PRACTICABLE AND TO BE PREPARED IN CASE OF EMERGENCIES
4. STRIPING MUST BE REPLACED IN KIND.
5. LOCATION OF EXISTING MONUMENT IS SCHEMATICALLY SHOWN AND NOT THE RESULT OF BEING FOUND DURING A FIELD TOPOGRAPHIC SURVEY. VERIFY ACTUAL LOCATION OF MONUMENT PRIOR TO CONSTRUCTION.



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 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY: \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: \_\_\_\_\_ KNP  
 DRAWN: \_\_\_\_\_ CMC/JVT  
 CHECK: \_\_\_\_\_ JAH  
 AS BUILT: \_\_\_\_\_

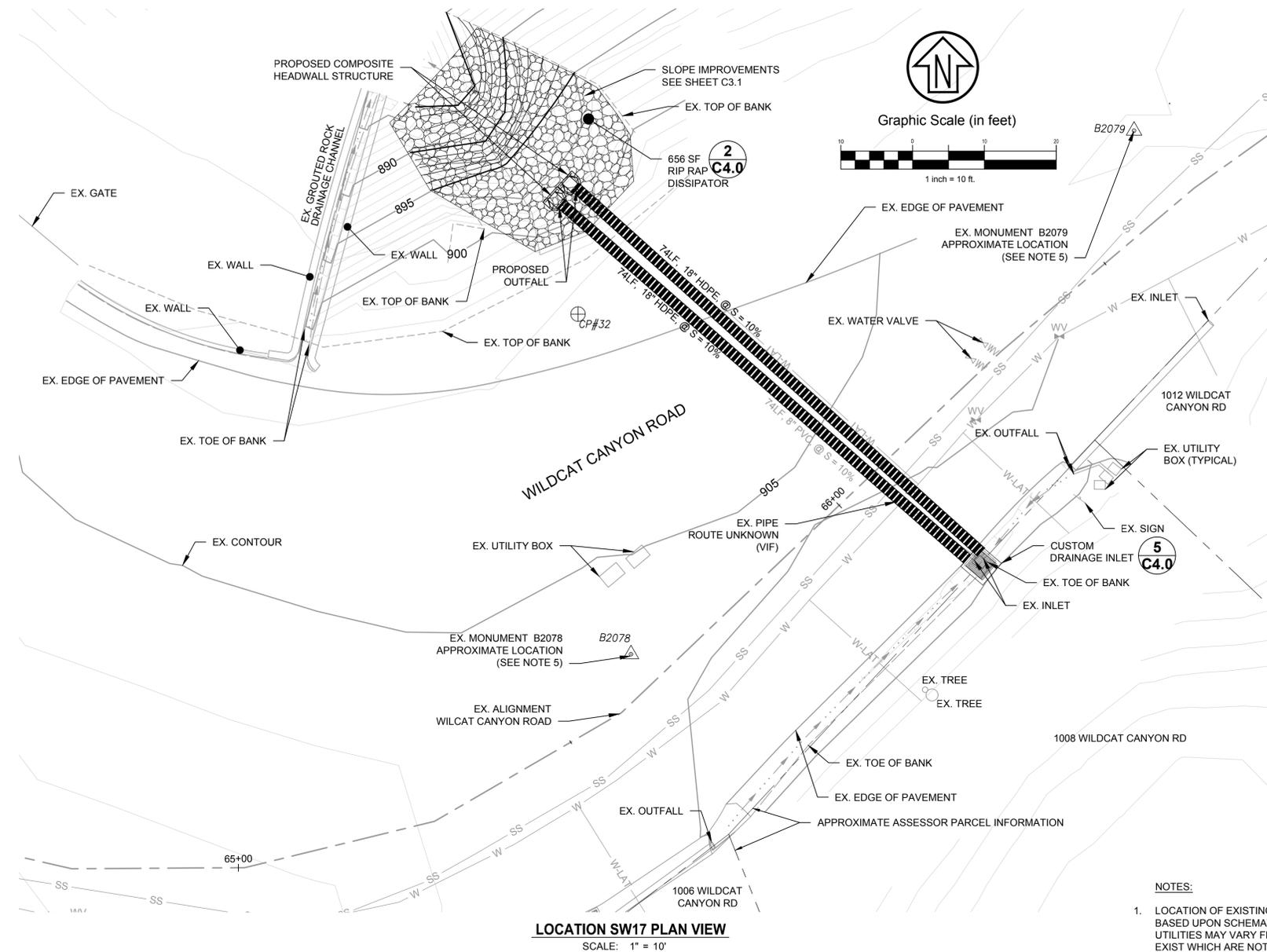
HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
 DEPARTMENT OF PUBLIC WORKS

**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS PLAN AND PROFILE**

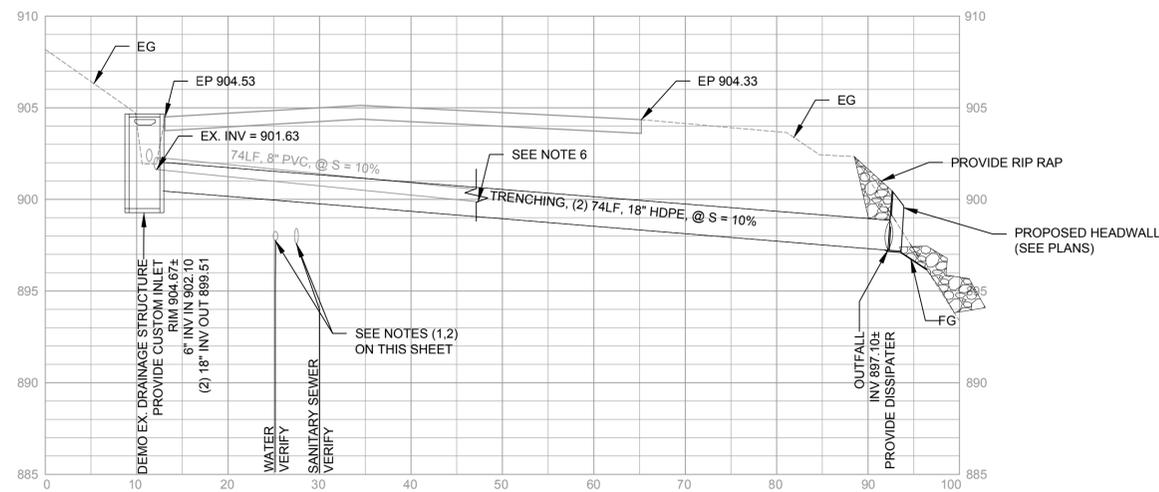
PLAN 8279  
 FILE 502-718  
 C2.15  
 SHEET 20 OF 35

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
		09-28-23	BID SET	
		07-27-23	95% SUBMITTAL	
		10-27-22	65% SUBMITTAL	



**LOCATION SW17 PLAN VIEW**

SCALE: 1" = 10'



**LOCATION SW17 PROFILE VIEW**

SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

- LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
- CONTRACTOR SHALL POTHOLE TO CONFIRM LOCATION OF EXISTING UTILITIES AND PROVIDE RECORD OF POTHOLE RESULTS TO ENGINEER PRIOR TO CONSTRUCTION. AT A MINIMUM, RECORD TO INCLUDE HORIZONTAL LOCATION MEASURABLE FROM TWO SURVEYED OBJECTS IN PLANS, AND DEPTH FROM PAVEMENT SURFACE TO TOP OF EXPOSED UTILITY. MINIMUM 1' OF HORIZONTAL AND VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN PROPOSED STORM DRAIN AND OTHER UTILITIES. IF 1' CLEARANCE CANNOT BE MAINTAINED, NOTIFY ENGINEER IMMEDIATELY.
- EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G0.1 FOR NOTES RELATED TO POLLUTION PREVENTION. POLLUTION CONTROL BEST MANAGEMENT PRACTICE (BMP) SYMBOLS SHOWN HEREON ARE DIAGRAMMATIC, ONLY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING BMP'S TO SUIT CONDITIONS OF THE SITE AND TO PREVENT POLLUTION TO THE MAXIMUM EXTENT PRACTICABLE AND TO BE PREPARED IN CASE OF EMERGENCIES.
- STRIPING MUST BE REPLACED IN KIND.
- LOCATION OF EXISTING MONUMENT IS SCHEMATICALLY SHOWN AND NOT THE RESULT OF BEING FOUND DURING A FIELD TOPOGRAPHIC SURVEY. VERIFY ACTUAL LOCATION OF MONUMENT PRIOR TO CONSTRUCTION.
- EXISTING PIPE SHOWN FOR VISUAL PURPOSES ONLY. OUTFALL NOT ABLE TO BE LOCATED AT THE TIME OF FIELD TOPOGRAPHIC SURVEY. EXACT LOCATION OF TO BE VERIFIED PRIOR TO CONSTRUCTION.



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 SURVEY CHIEF OF PARTY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE: \_\_\_\_\_

DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEY CHIEF OF PARTY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE: \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_ REGISTR. EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ R.C.E. EXP. \_\_\_\_\_

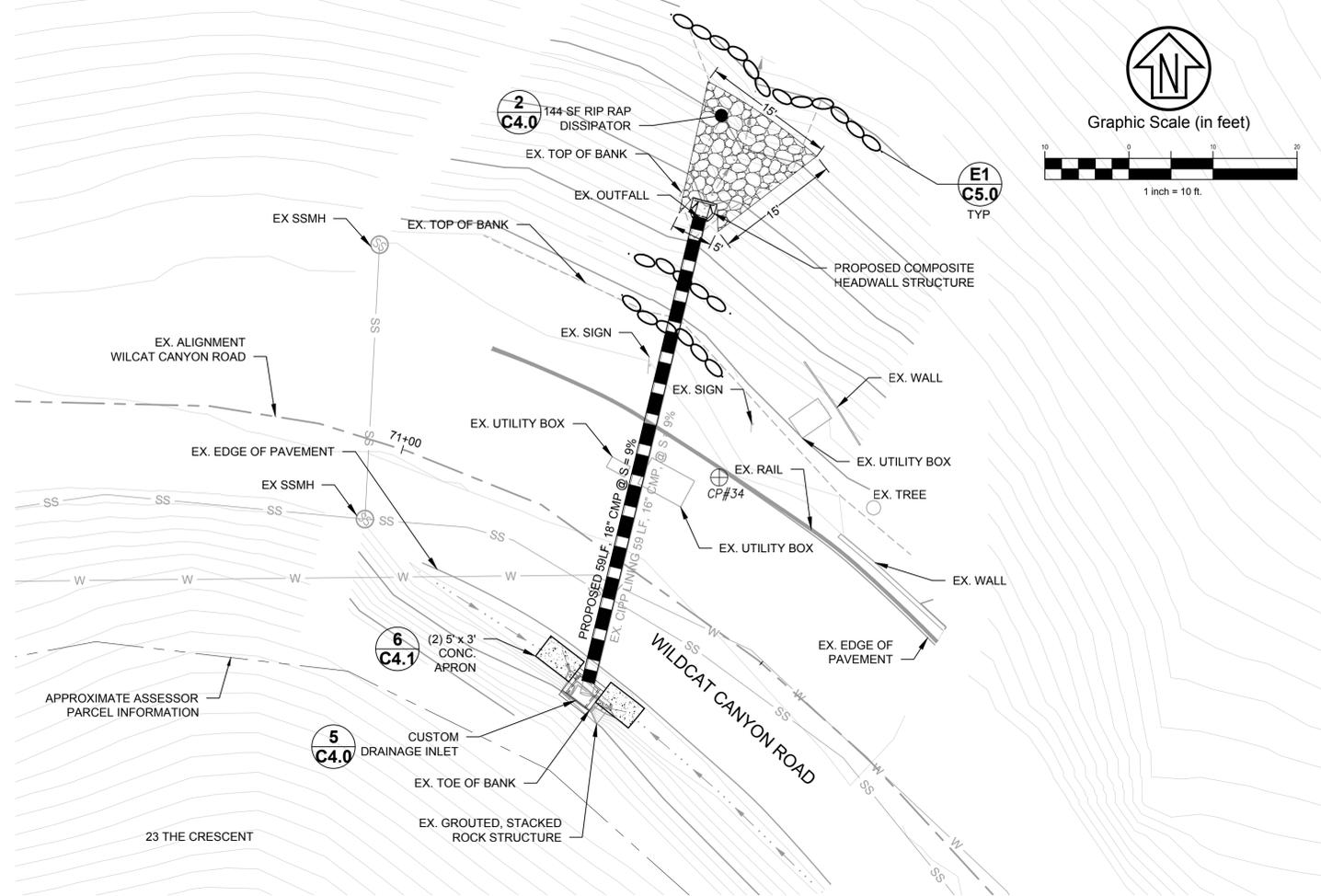
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 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
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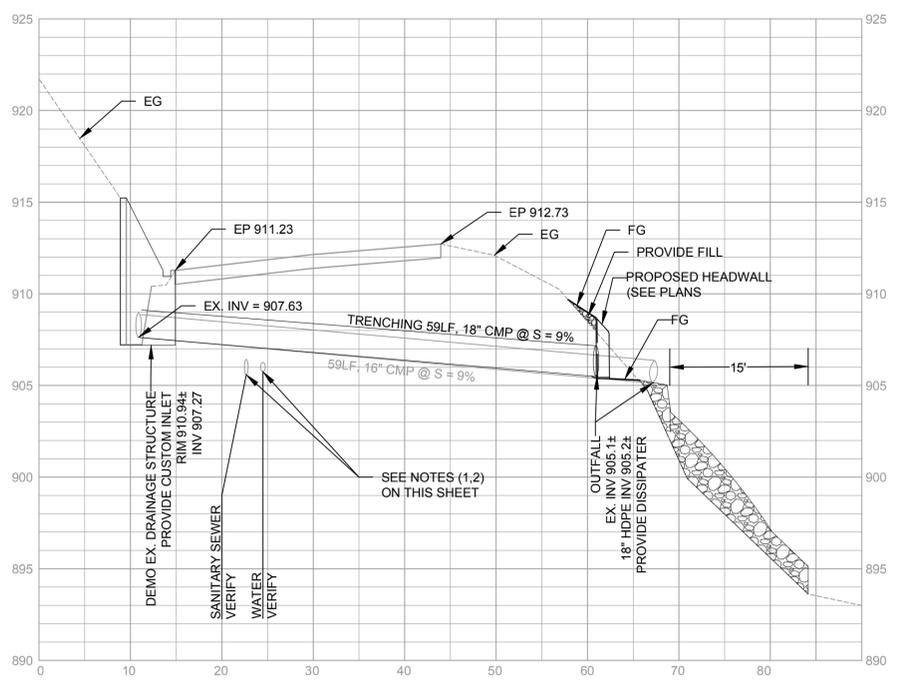
**WILDCAT CANYON ROAD  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE**

PLAN: 8279  
 FILE: 502-718  
 C2.16  
 SHEET 21 OF 35

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
09-28-23			BID SET	
07-27-23			95% SUBMITTAL	
10-27-22			65% SUBMITTAL	



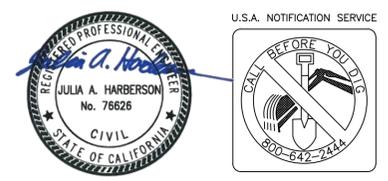
**LOCATION SW18 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW18 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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4. STRIPING MUST BE REPLACED IN KIND.



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 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_

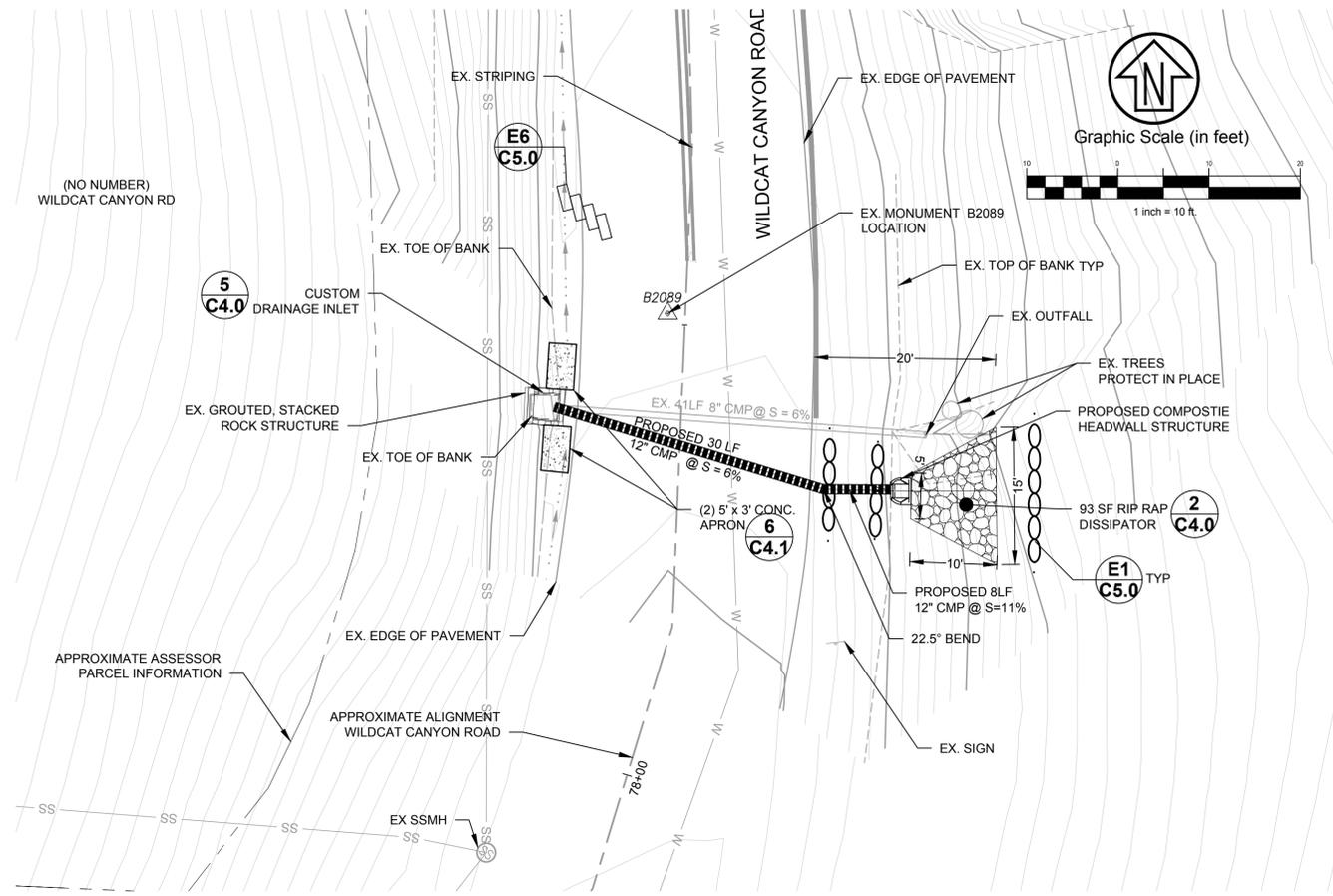
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 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

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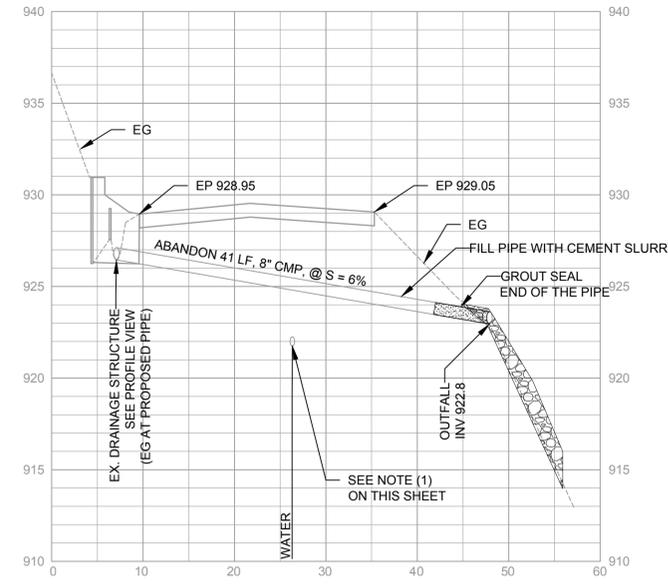
**WILDCAT CANYON ROAD  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE**

PLAN 8279  
 FILE 502-718  
 C2.17  
 SHEET 22 OF 35

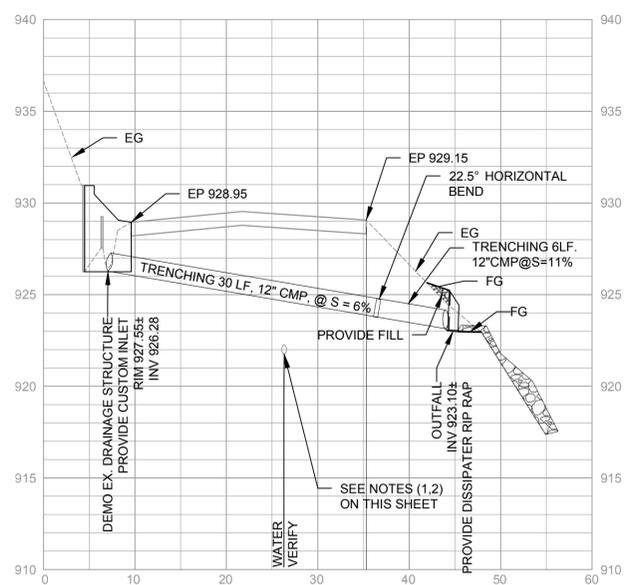
REVISION	MARK	DATE	DESCRIPTION	APPROVAL
		09-28-23	BID SET	
		07-27-23	95% SUBMITTAL	
		10-27-22	65% SUBMITTAL	



**LOCATION SW19 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW19 PROFILE VIEW (EG AT EXISTING PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



**LOCATION SW19 PROFILE VIEW (EG AT PROPOSED PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_

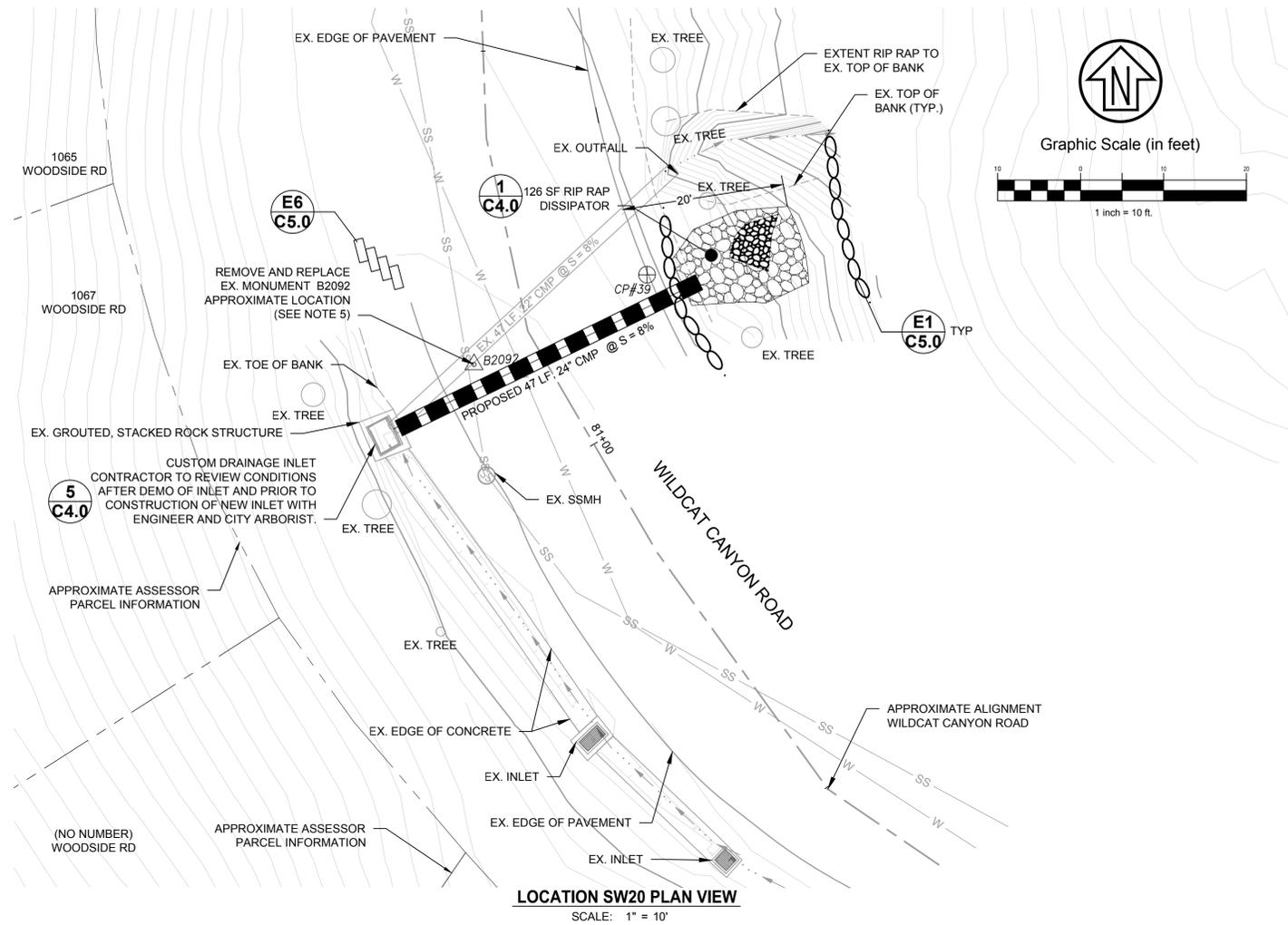
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 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

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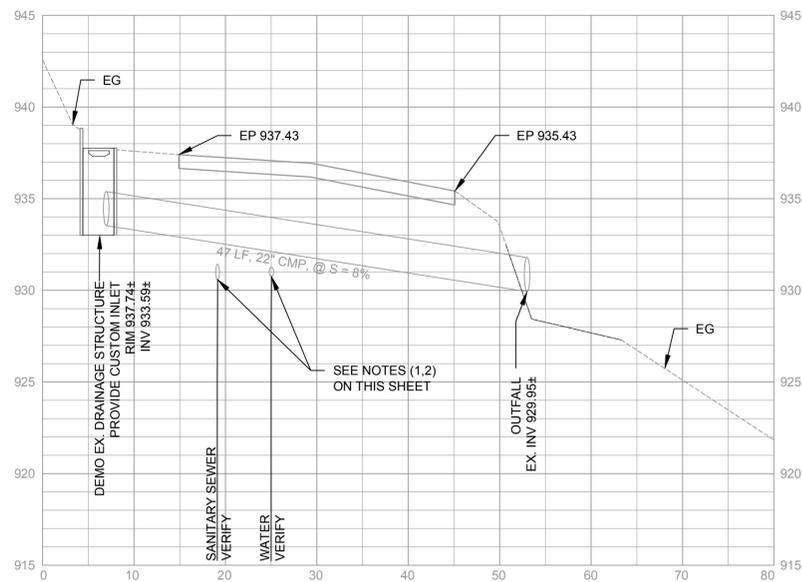
**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

PLAN	8279
FILE	502-718
C2.18	
SHEET	23 OF 35

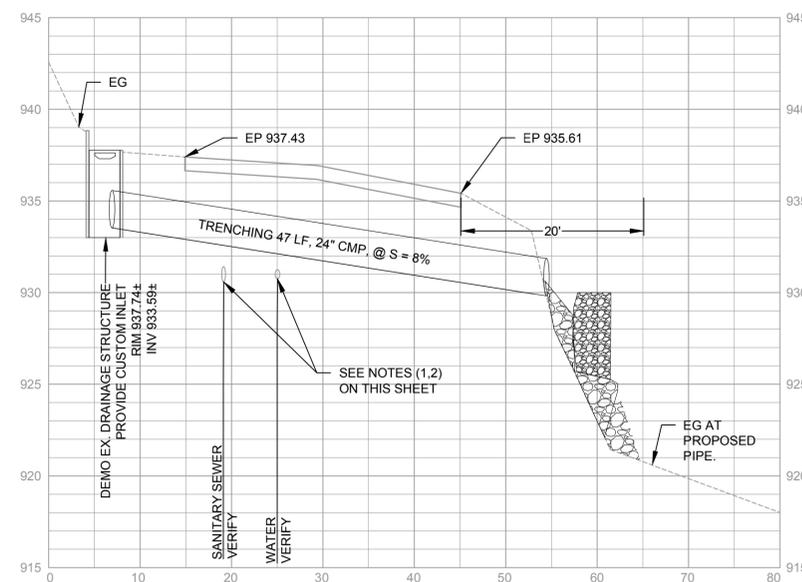
BID SET	09-28-23	DATE	APPROVAL
95% SUBMITTAL	07-27-23	REVISION	
65% SUBMITTAL	10-27-22	MARK	
DESCRIPTION			



**LOCATION SW20 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW20 PROFILE VIEW (EG AT EXISTING PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'



**LOCATION SW20 PROFILE VIEW (EG AT PROPOSED PIPE)**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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4. STRIPING MUST BE REPLACED IN KIND.
5. LOCATION OF EXISTING MONUMENT IS SCHEMATICALLY SHOWN AND NOT THE RESULT OF BEING FOUND DURING A FIELD TOPOGRAPHIC SURVEY. VERIFY ACTUAL LOCATION OF MONUMENT PRIOR TO CONSTRUCTION.



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 SURVEY CHIEF OF PARTY \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

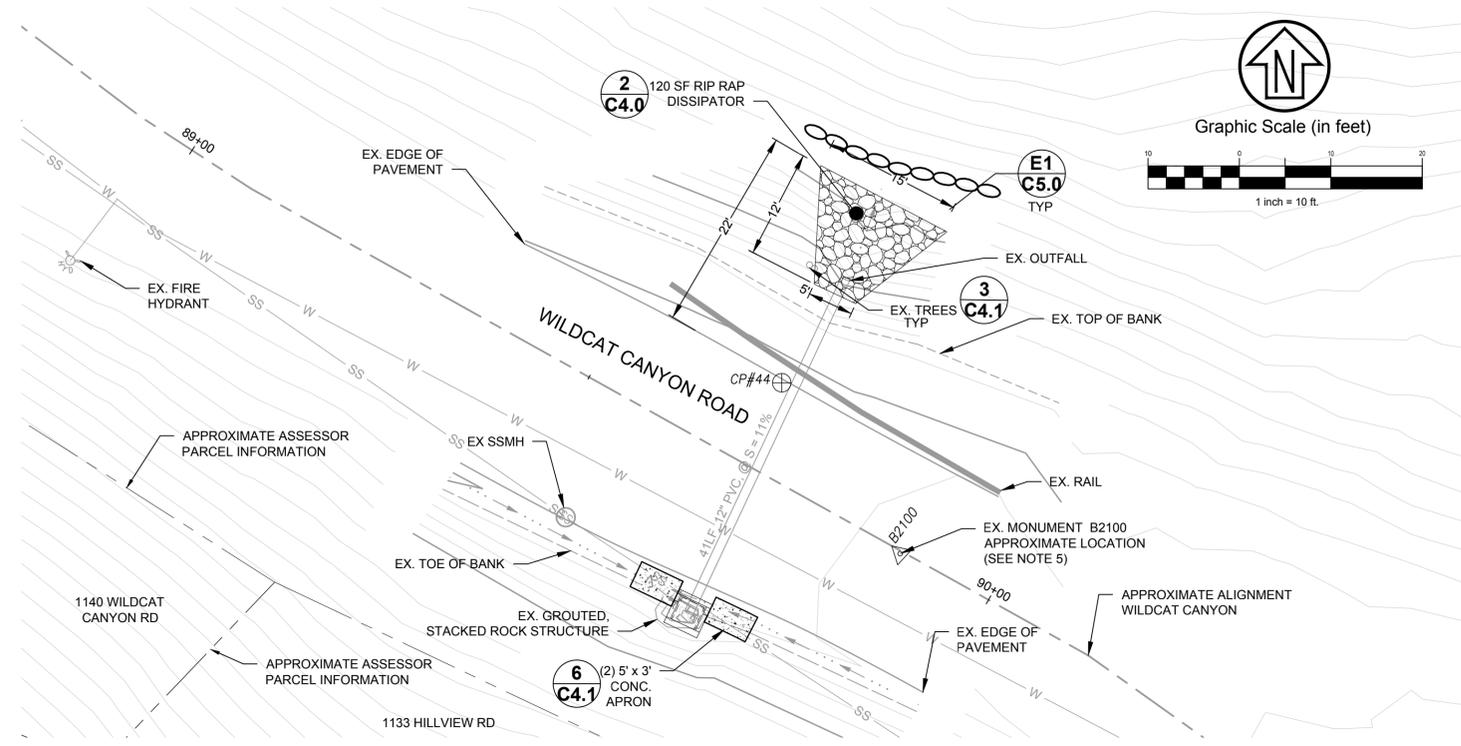
**CITY OF BERKELEY**  
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**WILDCAT CANYON ROAD**  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE

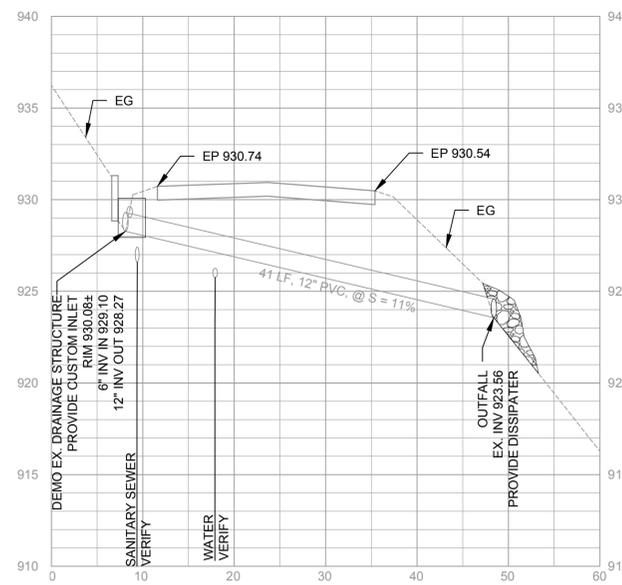
PLAN 8279  
 FILE 502-718  
 C2.19  
 SHEET 24 OF 35

BID SET	DATE	DESCRIPTION	APPROVAL
09-28-23	07-27-23	95% SUBMITTAL	
	10-27-22	65% SUBMITTAL	





**LOCATION SW23 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW23 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
2. CONTRACTOR SHALL POTHOLE TO CONFIRM LOCATION OF EXISTING UTILITIES AND PROVIDE RECORD OF POTHOLE RESULTS TO ENGINEER PRIOR TO CONSTRUCTION. AT A MINIMUM, RECORD TO INCLUDE HORIZONTAL LOCATION MEASURABLE FROM TWO SURVEYED OBJECTS IN PLANS, AND DEPTH FROM PAVEMENT SURFACE TO TOP OF EXPOSED UTILITY. MINIMUM 1' OF HORIZONTAL AND VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN PROPOSED STORM DRAIN AND OTHER UTILITIES. IF 1' CLEARANCE CANNOT BE MAINTAINED, NOTIFY ENGINEER IMMEDIATELY.
3. EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G0.1 FOR NOTES RELATED TO POLLUTION PREVENTION. POLLUTION CONTROL BEST MANAGEMENT PRACTICE (BMP) SYMBOLS SHOWN HEREON ARE DIAGRAMMATIC. ONLY THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING BMP'S TO SUIT CONDITIONS OF THE SITE AND TO PREVENT POLLUTION TO THE MAXIMUM EXTENT PRACTICABLE AND TO BE PREPARED IN CASE OF EMERGENCIES
4. STRIPING MUST BE REPLACED IN KIND.
5. LOCATION OF EXISTING MONUMENT IS SCHEMATICALLY SHOWN AND NOT THE RESULT OF BEING FOUND DURING A FIELD TOPOGRAPHIC SURVEY. VERIFY ACTUAL LOCATION OF MONUMENT PRIOR TO CONSTRUCTION.



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 Tel: 415.883.9830 Fax: 415.883.9835  
 http://www.stuber-siroon.com

PROJECT MANAGER: \_\_\_\_\_ DATE \_\_\_\_\_  
 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTR. \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 R.C.E. \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_

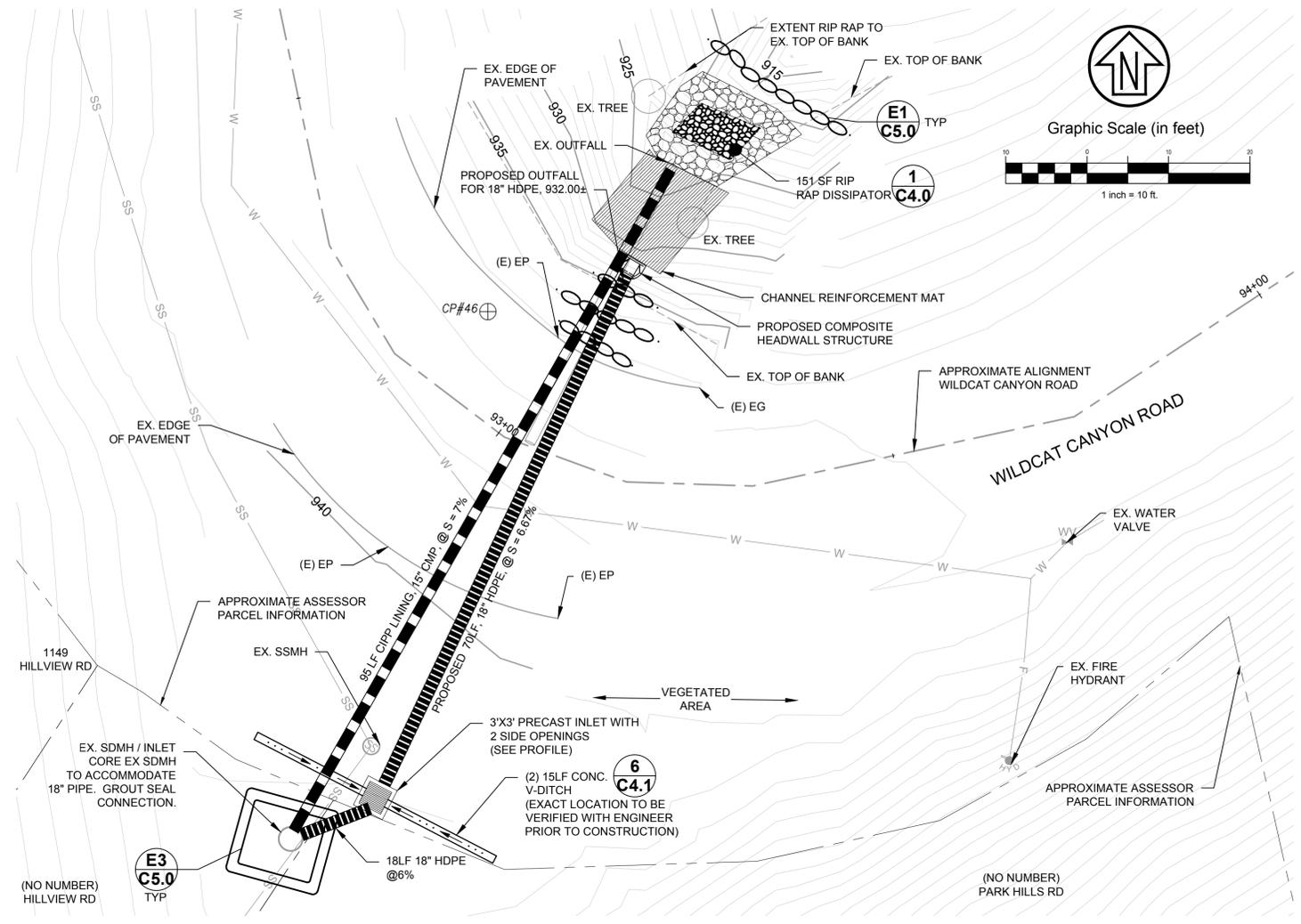
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 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 HORIZ.: \_\_\_\_\_  
 VERT.: \_\_\_\_\_  
 BOOK: \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

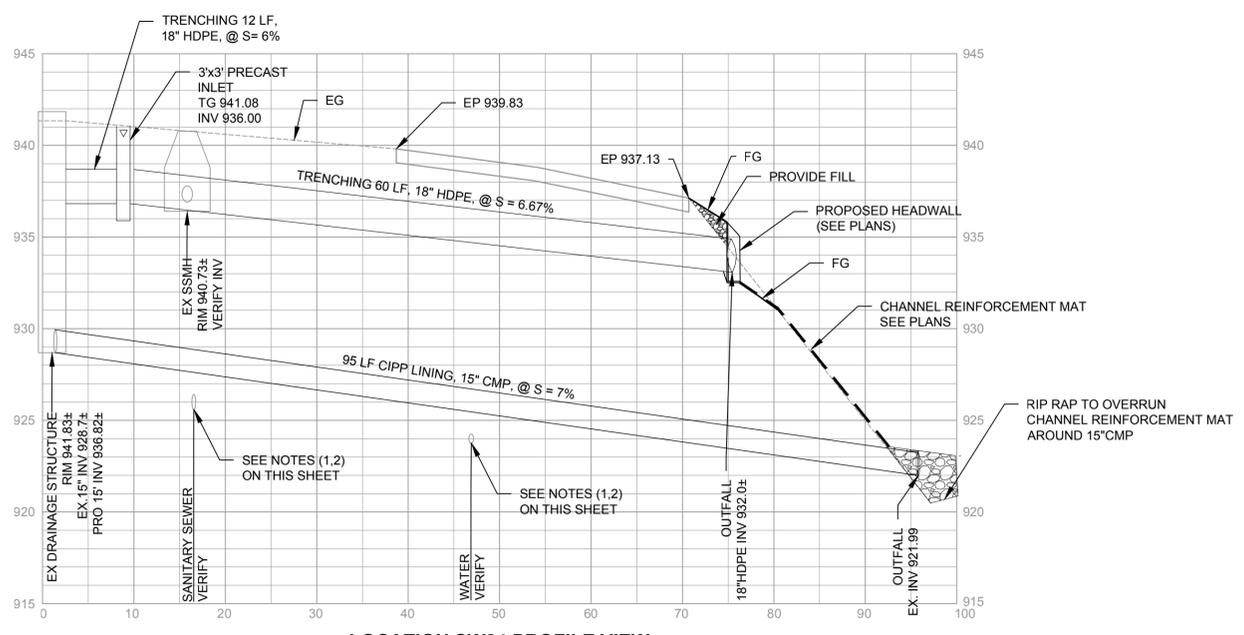
**WILDCAT CANYON ROAD  
DRAINAGE ENHANCEMENTS  
PLAN AND PROFILE**

PLAN 8279  
 FILE 502-718  
 C2.21  
 SHEET 26 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
07-27-23	95% SUBMITTAL				
10-27-22	65% SUBMITTAL				



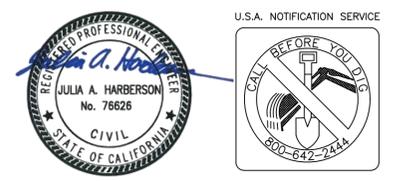
**LOCATION SW24 PLAN VIEW**  
SCALE: 1" = 10'



**LOCATION SW24 PROFILE VIEW**  
SCALE: HOR. 1" = 10' VERT. 1" = 5'

**NOTES:**

1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
2. CONTRACTOR SHALL POTHOLE TO CONFIRM LOCATION OF EXISTING UTILITIES AND PROVIDE RECORD OF POTHOLE RESULTS TO ENGINEER PRIOR TO CONSTRUCTION. AT A MINIMUM, RECORD TO INCLUDE HORIZONTAL LOCATION MEASURABLE FROM TWO SURVEYED OBJECTS IN PLANS, AND DEPTH FROM PAVEMENT SURFACE TO TOP OF EXPOSED UTILITY. MINIMUM 1' OF HORIZONTAL AND VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN PROPOSED STORM DRAIN AND OTHER UTILITIES. IF 1' CLEARANCE CANNOT BE MAINTAINED, NOTIFY ENGINEER IMMEDIATELY.
3. EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G0.1 FOR NOTES RELATED TO POLLUTION PREVENTION. POLLUTION CONTROL BEST MANAGEMENT PRACTICE (BMP) SYMBOLS SHOWN HEREON ARE DIAGRAMMATIC. ONLY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING BMP'S TO SUIT CONDITIONS OF THE SITE AND TO PREVENT POLLUTION TO THE MAXIMUM EXTENT PRACTICABLE AND TO BE PREPARED IN CASE OF EMERGENCIES
4. STRIPING MUST BE REPLACED IN KIND



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PROJECT MANAGER: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_ DATE \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 SUPERVISING ENGINEER: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CITY ENGINEER: \_\_\_\_\_ DATE \_\_\_\_\_

DESIGN: KNP  
 DRAWN: CMC/JVT  
 CHECK: JAH  
 AS BUILT: \_\_\_\_\_  
 REGISTR. EXP. \_\_\_\_\_  
 R.C.E. EXP. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 VERT. \_\_\_\_\_  
 BOOK \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
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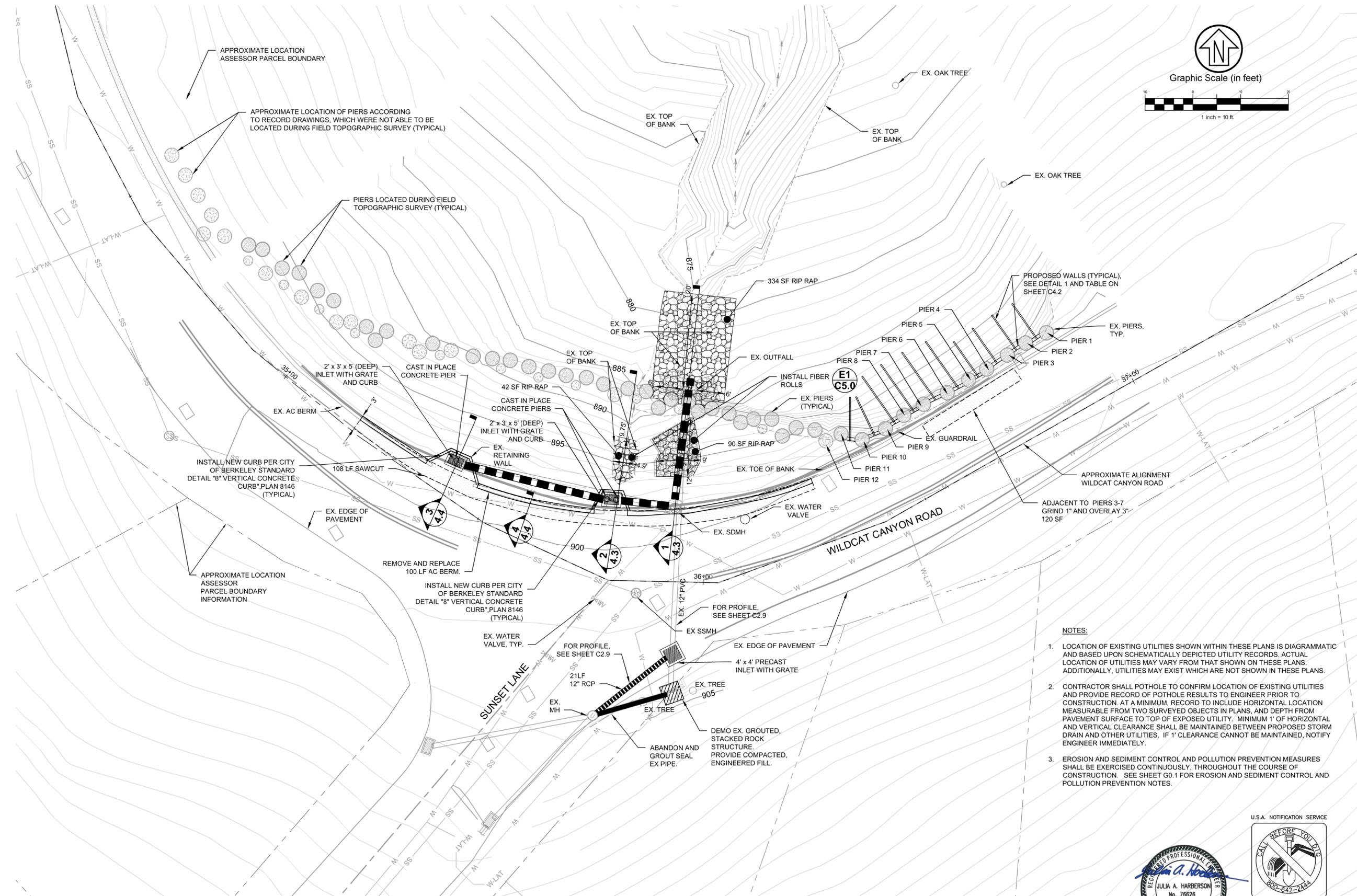
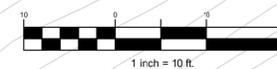
**WILDCAT CANYON ROAD  
 DRAINAGE ENHANCEMENTS  
 PLAN AND PROFILE**

PLAN	8279
FILE	502-718
	C2.22
SHEET	27 OF 35

BID SET	09-28-23	REVISION	
95% SUBMITTAL	07-27-23	MARK	
65% SUBMITTAL	10-27-22	DESCRIPTION	
		DATE	
		APPROVAL	



Graphic Scale (in feet)



- NOTES:**
1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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  3. EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EXERCISED CONTINUOUSLY, THROUGHOUT THE COURSE OF CONSTRUCTION. SEE SHEET G0.1 FOR EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION NOTES.

**LOCATION SW10 PLAN VIEW**  
SCALE: 1" = 10'



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PROJECT MANAGER:	DATE
DEPICTION OF MONUMENTS:	DATE
SURVEY CHIEF OF PARTY:	DATE
WATERSHED REVIEW:	DATE

SUBMITTED:	DATE
SUPERVISING ENGINEER:	REGISTR. EXP.
APPROVED:	DATE
CITY ENGINEER:	R.C.E. EXP.

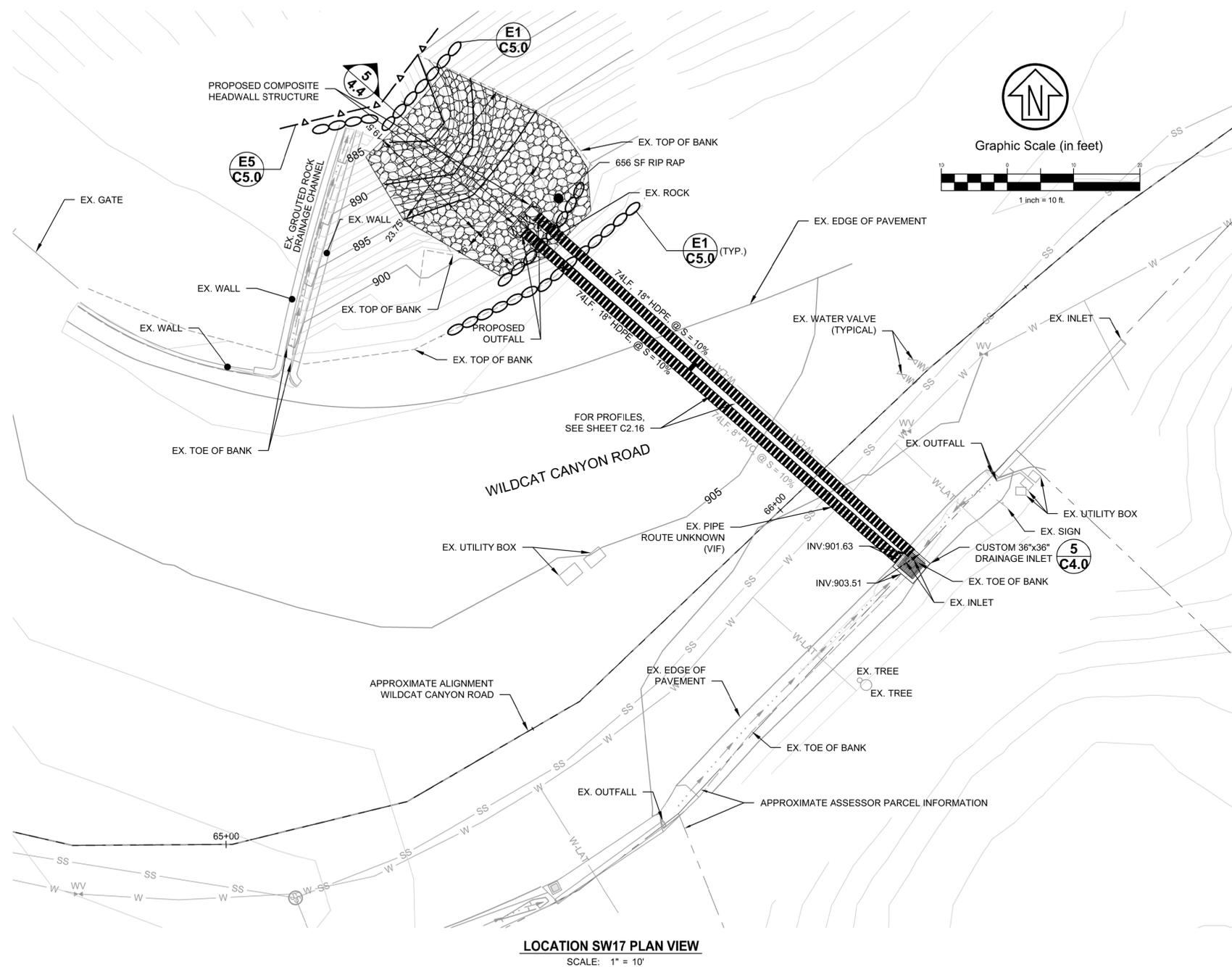
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DRAWN	CMC/JVT	VERT.	
CHECK	JAH	BOOK	
AS BUILT		DATE	09/28/23

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS GRADING AND DRAINAGE**

PLAN 8279  
FILE 502-718  
C3.0  
SHEET 28 OF 35

BID SET	09-28-23	APPROVAL
95% SUBMITTAL	07-27-23	
65% SUBMITTAL	10-27-22	
DESCRIPTION	DATE	
REVISION	MARK	



- NOTES:**
1. LOCATION OF EXISTING UTILITIES SHOWN WITHIN THESE PLANS IS DIAGRAMMATIC AND BASED UPON SCHEMATICALLY DEPICTED UTILITY RECORDS. ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON THESE PLANS. ADDITIONALLY, UTILITIES MAY EXIST WHICH ARE NOT SHOWN IN THESE PLANS.
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PROJECT MANAGER: \_\_\_\_\_ DATE \_\_\_\_\_  
 DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY CHIEF OF PARTY \_\_\_\_\_  
 WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
 REGISTR. \_\_\_\_\_  
 SUPERVISING ENGINEER \_\_\_\_\_  
 APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 R.C.E. \_\_\_\_\_  
 CITY ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN: KNP  
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 AS BUILT: \_\_\_\_\_  
 DATE: 09/28/23

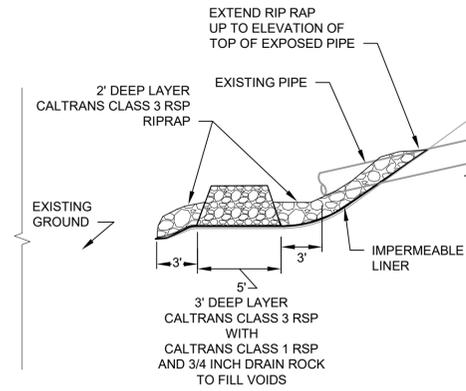
HORIZ. \_\_\_\_\_  
 VERT. \_\_\_\_\_  
 BOOK \_\_\_\_\_  
 DATE: 09/28/23

**CITY OF BERKELEY**  
 DEPARTMENT OF PUBLIC WORKS

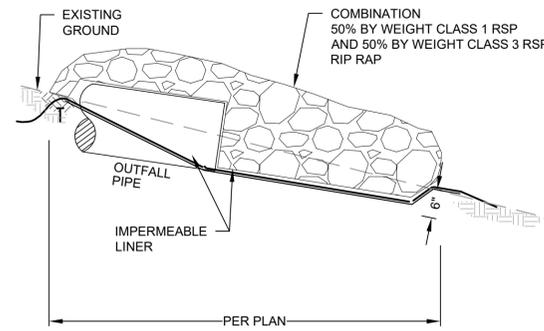
**WILDCAT CANYON ROAD**  
**DRAINAGE ENHANCEMENTS**  
**GRADING AND DRAINAGE**

PLAN 8279  
 FILE 502-718  
 C3.1  
 SHEET 29 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
95% SUBMITTAL		07-27-23			
65% SUBMITTAL		10-27-22			



1 **DETAIL: OUTFALL DISSIPATOR**  
SCALE: N.T.S.



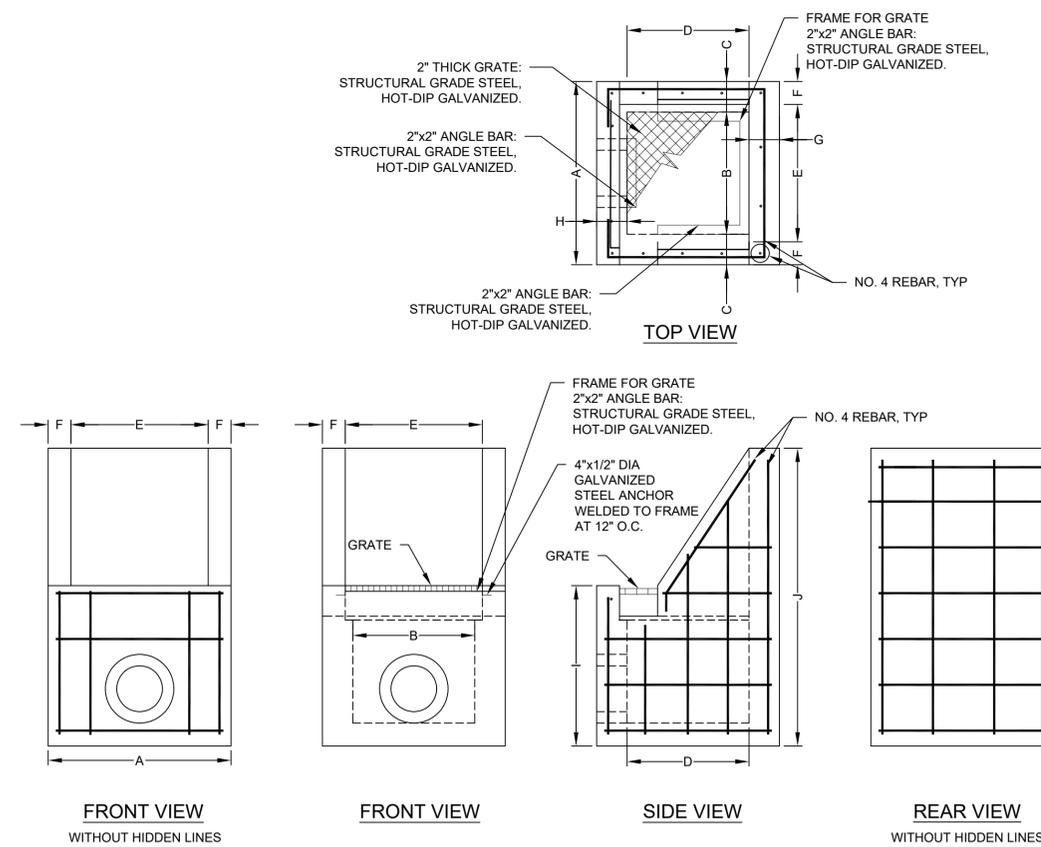
2 **DETAIL: RIP RAP DISSIPATOR**  
SCALE: N.T.S.

3 **DETAIL:**  
SCALE: N.T.S.

4 **DETAIL:**  
SCALE: N.T.S.

NOT USED

NOT USED



5 **DETAIL: INLET STRUCTURE**  
SCALE: N.T.S.

**SCHEDULE OF DIMENSIONS BY INLET STRUCTURE**

INLET STRUCTURE	A	B	C	D	E	F	G	H	I	J
SW1	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	4.44'	6.07'
SW2	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.36'	5.50'
SW3	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.95'	6.86'
SW4	DETAIL 5 NOT USED FOR SW4									
SW5	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.66'	6.74'
SW6	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.80'	6.23'
SW7	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.01'	5.57'
SW8	DETAIL 5 NOT USED FOR SW8									
SW9	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.42'	4.01'
SW10	DETAIL 5 NOT USED FOR SW10									
SW11	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.87'	7.46'
SW12	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.69'	6.90'
SW13	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.54'	7.31'
SW14	DETAIL 5 NOT USED FOR SW14									
SW15	DETAIL 5 NOT USED FOR SW15									
SW16	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.48'	5.98'
SW17	DETAIL 5 NOT USED FOR SW17									
SW18	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.85'	8.54'
SW19	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	3.07'	5.86'
SW20	DETAIL 5 NOT USED FOR SW20									
SW21	DETAIL 5 NOT USED FOR SW21									
SW22	DETAIL 5 NOT USED FOR SW22									
SW23	4'	2.67'	0.67'	2.67'	3'	0.50'	0.67'	0.67'	2.56'	3.43'
SW24	DETAIL 5 NOT USED FOR SW24									



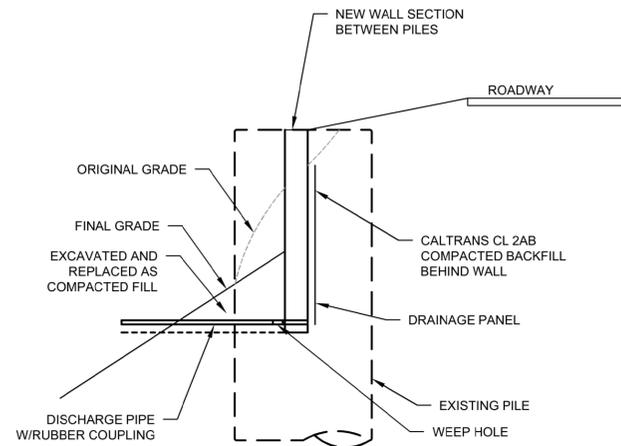
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09-28-23	07-27-23	10-27-22	DATE	MARK
			REVISION	



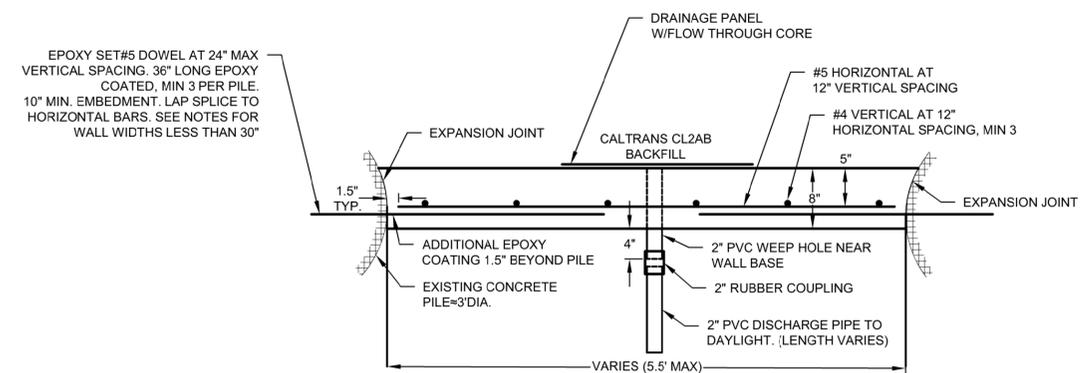
WALL SEGMENT	WALL WIDTH (APPROX.), (ft)	WALL HEIGHT (ft)*
P1-P2	1.5	9
P2-P3	1.5	9
P3-P4	2.0	9
P4-P5	1.3	9
P5-P6	2.0	12
P6-P7	2.2	12
P7-P8	1.9	12
P8-P9	1.7	12
P9-P10	2.0	9
P10-P11	1.2	9

**NOTES:**

- SEE NOTES ON FIGURE 1 AND FIGURE 2.
- CONCRETE  $F'_c=4000$  PSI, STEEL REINFORCEMENT  $F_y=60,000$  PSI.
- PRIOR TO DRILLING HOLES FOR DOWELS, CONTRACTOR SHALL USE NON-DESTRUCTIVE METHODS TO LOCATE REBAR IN THE EXISTING PILES AND SHALL AVOID DAMAGING REBAR DURING DRILLING.
- FOR WALL WIDTHS LESS THAN OR EQUAL TO 30", EPOXY-SET DOWELS SHOULD BE #5-18"X18" 90-DEGREE HOOKS WITH THE 18" HOOK END IN THE VERTICAL PLANE.
- FOR WALL WIDTHS LESS THAN OR EQUAL TO 18", EPOXY-SET DOWELS SHOULD BE #5-18"X18" 90-DEGREE HOOKS WITH THE 18" HOOK END IN THE VERTICAL PLANE.
- THE EXISTING PILE SURFACE TO BE IN CONTACT WITH THE NEW WALL SECTION SHOULD BE CLEANED AND LOCATED WITH A CONCRETE BONDING COMPOUND.
- UNLESS OTHERWISE NOTED OR SPECIFIED, ALL MATERIAL PLACED AS FILL SHALL BE COMPACTED TO MINIMUM 90% RELATIVE COMPACTION BASED ON ASTM TEST D1557.
- ALL WORK TO BE PERFORMED TO THE SATISFACTION OF THE CITY OF BERKELEY PUBLIC WORKS INSPECTOR.



**1 SECTION**  
SCALE: NTS



**2 WALL DETAIL**  
SCALE: NTS



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DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
SURVEY CHIEF OF PARTY \_\_\_\_\_  
WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_  
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
REGISTR. EXP. \_\_\_\_\_  
SUPERVISING ENGINEER \_\_\_\_\_  
APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
R.C.E. EXP. \_\_\_\_\_  
CITY ENGINEER \_\_\_\_\_

DESIGN: KNP  
DRAWN: CMC/JVT  
CHECK: JAH  
AS BUILT: \_\_\_\_\_

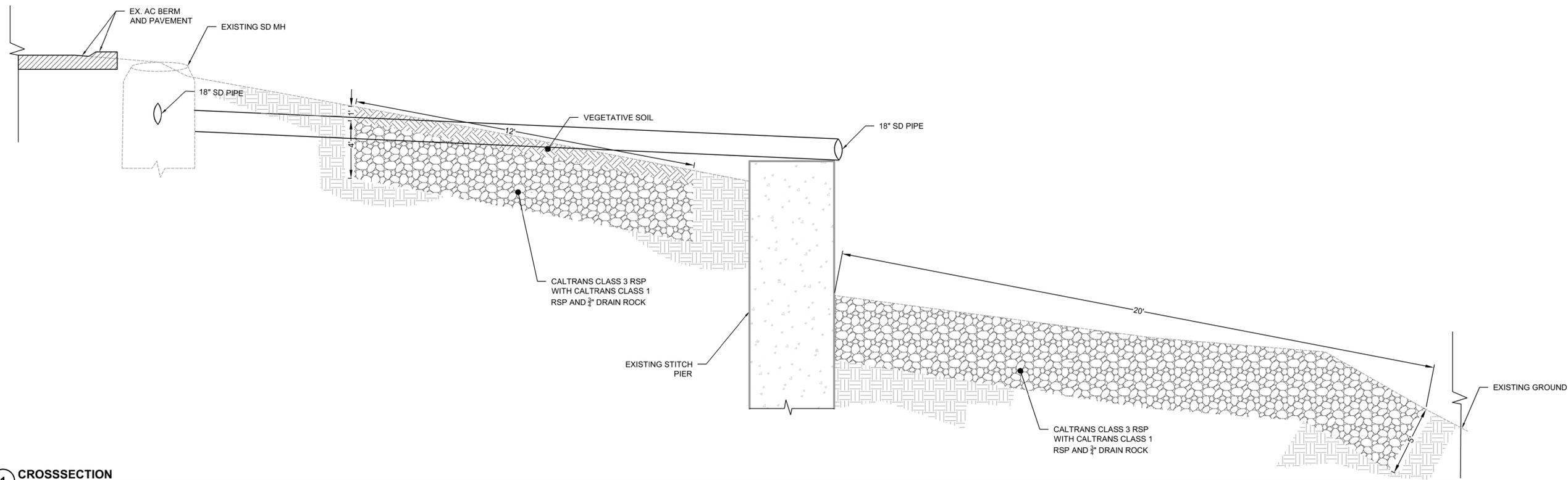
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VERT. \_\_\_\_\_  
BOOK \_\_\_\_\_  
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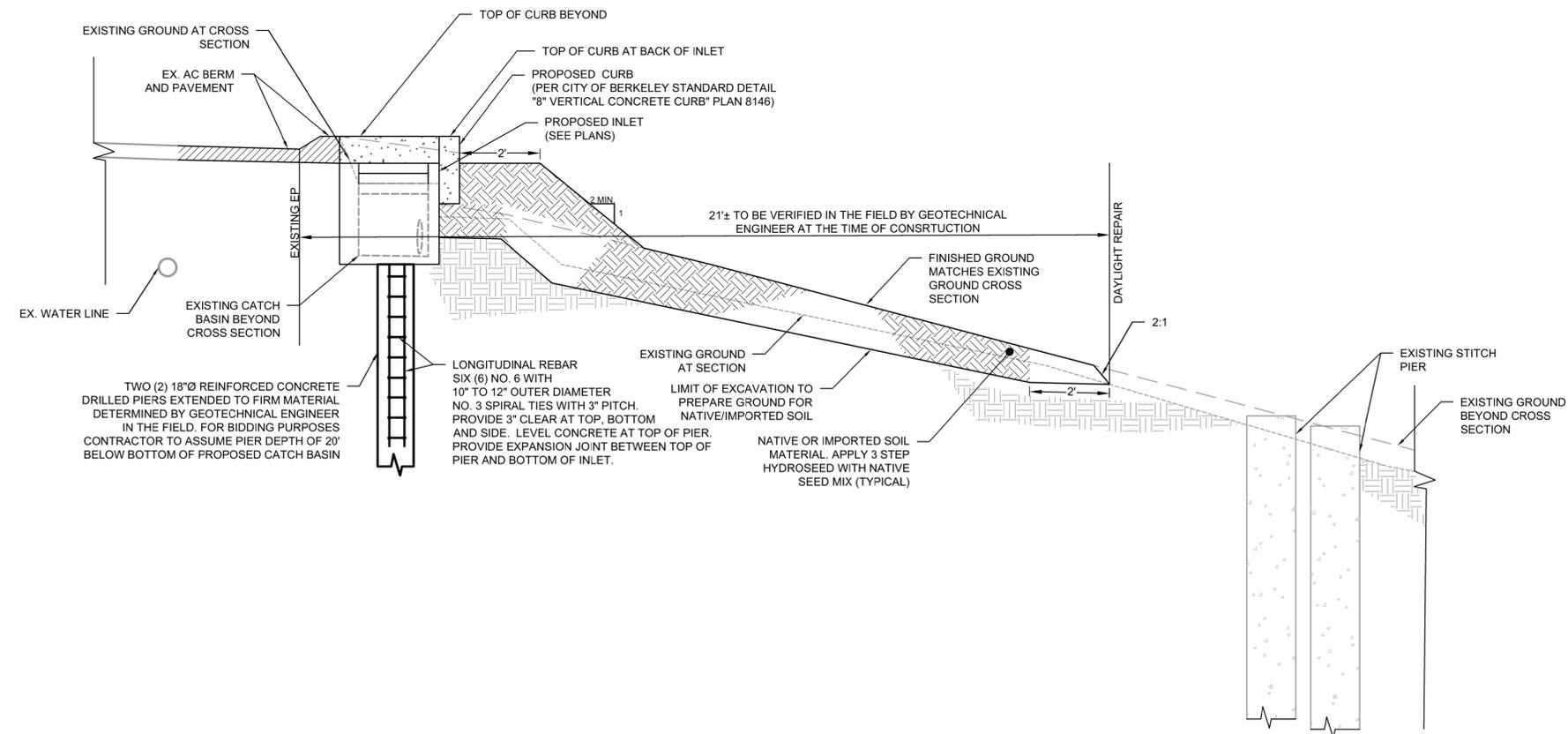
WILDCAT CANYON ROAD  
DRAINAGE ENHANCEMENTS  
DETAILS

PLAN 8279  
FILE 502-718  
C4.2  
SHEET 32 OF 35

BID SET	DESCRIPTION	DATE	MARK	REVISION	APPROVAL
09-28-23					
07-27-23	95% SUBMITTAL				
10-27-22	65% SUBMITTAL				



**1 CROSSSECTION**  
SCALE: NTS



**2 CROSS SECTION**  
SCALE: NTS



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SURVEY CHIEF OF PARTY \_\_\_\_\_  
WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
REGISTR. \_\_\_\_\_  
EXP. \_\_\_\_\_  
SUPERVISING ENGINEER \_\_\_\_\_  
APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
R.C.E. \_\_\_\_\_  
CITY ENGINEER \_\_\_\_\_ EXP. \_\_\_\_\_

DESIGN \_\_\_\_\_ KNP  
DRAWN \_\_\_\_\_ CMC/JVT  
CHECK \_\_\_\_\_ JAH  
AS BUILT \_\_\_\_\_

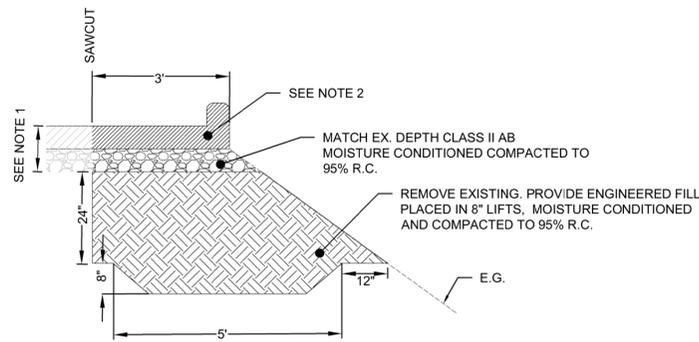
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VERT. \_\_\_\_\_  
BOOK \_\_\_\_\_  
DATE 09/28/23

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

WILDCAT CANYON ROAD  
DRAINAGE ENHANCEMENTS  
SECTIONS

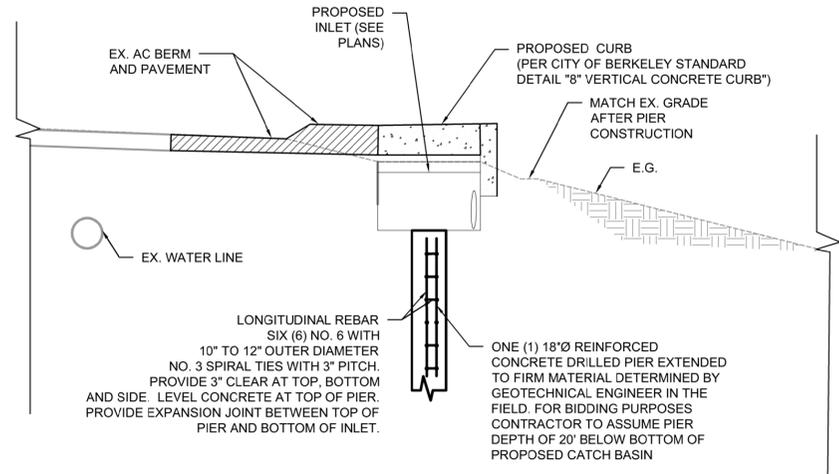
PLAN 8279  
FILE 502-718  
C4.3  
SHEET 33 OF 35

REVISION	MARK	DATE	DESCRIPTION	APPROVAL
		09-28-23	BID SET	
		07-27-23	95% SUBMITTAL	
		10-27-22	65% SUBMITTAL	

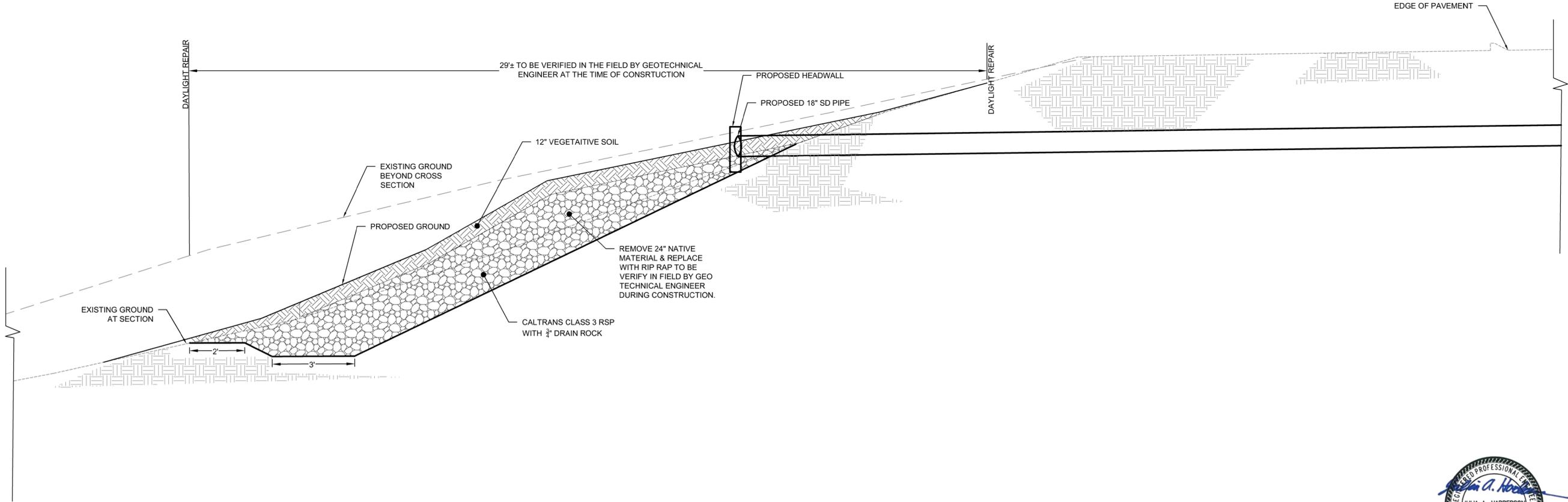


- NOTES:
1. REMOVE EXISTING PAVEMENT. PROVIDE NEW PAVEMENT AND AC BERM. MATCH EXISTING FOR BIDDING PURPOSES. ASSUME 8" AC OVER 8" CLASS II AB.
  2. REMOVE EXISTING AC BERM. PROVIDE NEW AC BERM. AC BERM SHALL BE "TYPE A, HOT MIX ASPHALT DIKE" PER CALTRANS STANDARD PLAN A87B

**4 CROSS SECTION**  
SCALE: NTS



**3 CROSS SECTION**  
SCALE: NTS



**5 CROSS SECTION**  
SCALE: NTS



BID SET	DESCRIPTION	DATE	MARK	APPROVAL
09-28-23	95% SUBMITTAL			
07-27-23	65% SUBMITTAL			
10-27-22				

**CSW | ST 2** CSW/Stuber-Stroeh Engineering Group, Inc.  
Civil & Structural Engineers, Surveying & Mapping, Environmental Planning, Land Planning, Construction Management  
504 Redwood Blvd, Suite 310 Novato, CA 94947  
tel: 415.883.9850 fax: 415.883.9835

PROJECT MANAGER: \_\_\_\_\_ DATE \_\_\_\_\_  
DEPICTION OF MONUMENTS: \_\_\_\_\_ DATE \_\_\_\_\_  
SURVEY CHIEF OF PARTY \_\_\_\_\_  
WATERSHED REVIEW: \_\_\_\_\_ DATE \_\_\_\_\_

SUBMITTED: \_\_\_\_\_ DATE \_\_\_\_\_  
REGISTERED: \_\_\_\_\_  
SUPERVISING ENGINEER: \_\_\_\_\_ EXP. \_\_\_\_\_  
APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
CITY ENGINEER: \_\_\_\_\_ R.C.E. \_\_\_\_\_ EXP. \_\_\_\_\_

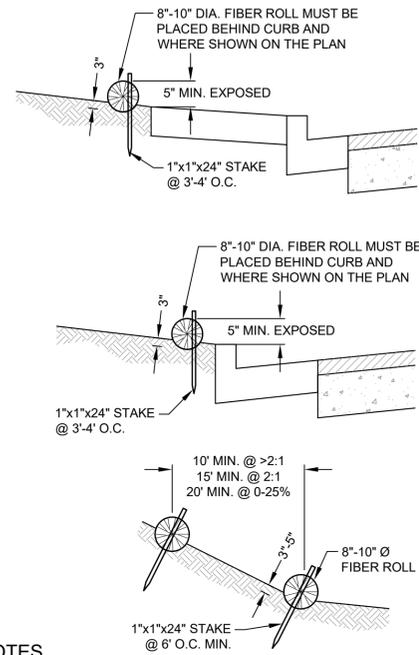
DESIGN: KNP  
DRAWN: CMC/JVT  
CHECK: JAH  
AS BUILT: \_\_\_\_\_

HORIZ. AS NOTED  
VERT. \_\_\_\_\_  
BOOK \_\_\_\_\_  
DATE 09/28/23

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

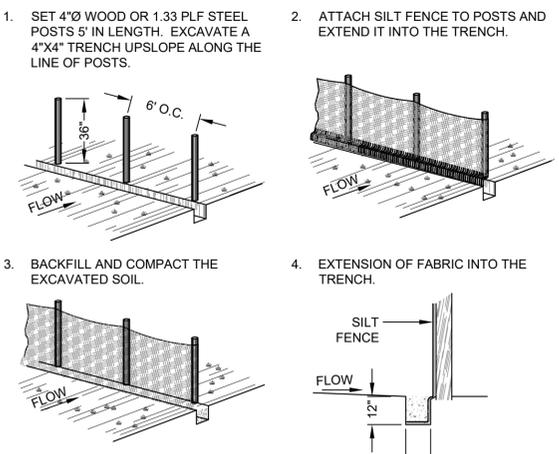
**WILDCAT CANYON ROAD DRAINAGE ENHANCEMENTS SECTIONS**

PLAN 8279  
FILE 502-718  
C4.4  
SHEET 34 OF 35



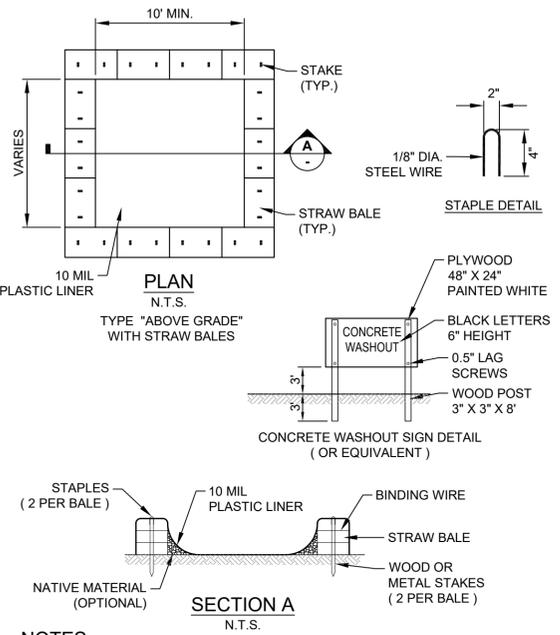
**NOTES**

- FIBER ROLLS TO BE LAID ALONG CONTOUR.
- 1 FIBER ROLL INSTALLATION DETAILS**  
SCALE: NTS



- SET 4"Ø WOOD OR 1.33 PLF STEEL POSTS 5' IN LENGTH. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
- ATTACH SILT FENCE TO POSTS AND EXTEND IT INTO THE TRENCH.
- BACKFILL AND COMPACT THE EXCAVATED SOIL.
- EXTENSION OF FABRIC INTO THE TRENCH.

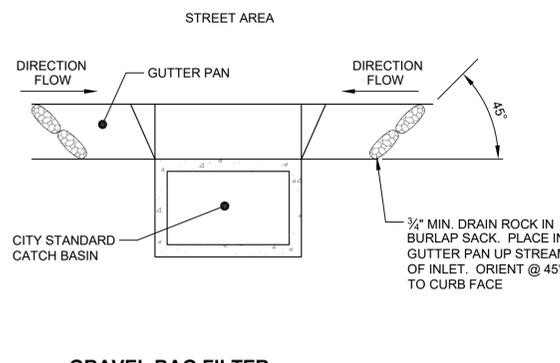
- 5 SILT FENCE DETAIL**  
SCALE: NTS



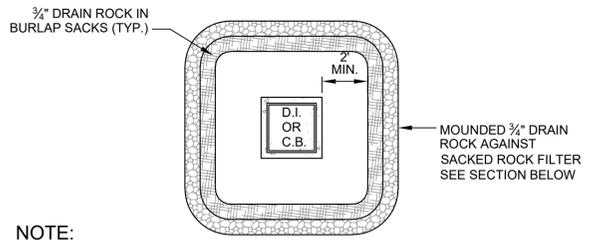
**NOTES:**

- ACTUAL LAYOUT DETERMINED IN FIELD.
- THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

- 2 TEMPORARY CONCRETE WASHOUT DETAIL**  
SCALE: 1" = 1'

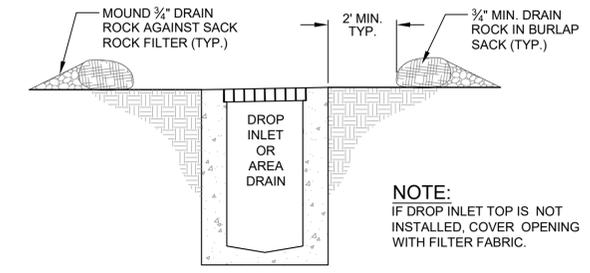


- 6 GRAVEL BAG FILTER AT GUTTER IN TRAFFIC AREAS**  
SCALE: NTS

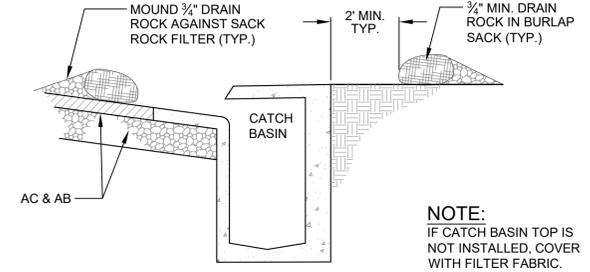


**NOTE:**

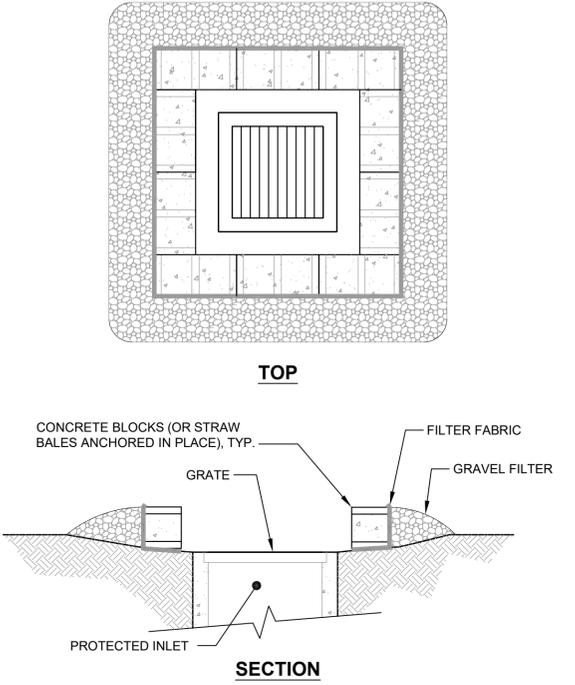
TWO ROWS OF FIBER ROLLS MAY BE SUBSTITUTED FOR SACKED DRAIN ROCK AND DRAIN ROCK IN AREAS WITHOUT PAVED STREETS.



- 3 GRAVEL BAG FILTER AT INLETS**  
SCALE: NTS



- 3 GRAVEL BAG FILTER AT INLETS**  
SCALE: NTS



- 4 INLET PROTECTION DETAIL**  
SCALE: NTS



BID SET	DATE	MARK	REVISION	DESCRIPTION	APPROVAL
09-28-23					
95% SUBMITTAL	07-27-23				
65% SUBMITTAL	10-27-22				