

GENERAL NOTES

1. STANDARD SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, 2022 EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.

2. PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CITY PERMITS.

3. TRAFFIC CONTROL AND PUBLIC SAFETY

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGGING, AND OTHER DEVICES NECESSARY FOR TRAFFIC CONTROL AND PUBLIC SAFETY.

4. EXISTING FACILITIES

EXISTING SITE IMPROVEMENTS TO REMAIN MAY INTERFERE WITH THE WORK. THESE FACILITIES SHALL BE PROTECTED OR REMOVED AND REPLACED WITH LIKE KIND AND QUALITY AT THE CONTRACTOR'S EXPENSE.

5. SITE INFORMATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL ABOVE GROUND AND UNDERGROUND FACILITIES WHICH MAY BE AFFECTED BY HIS OPERATIONS. THE CONTRACTOR SHALL CONTACT OWNERS OF THESE FACILITIES AND SHALL PROTECT FACILITIES AND MAINTAIN SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 AT LEAST THREE WORKING DAYS PRIOR TO CONSTRUCTION.

DIMENSIONS AND LIMITS OF WORK SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE BASED ON CONDITIONS ENCOUNTERED. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

6. INSPECTIONS

ENGINEERING INSPECTIONS WILL BE CARRIED OUT BY HALEY & ALDRICH (925) 935-9771. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AT LEAST THREE WORKING DAYS PRIOR TO ALL REQUIRED INSPECTIONS.

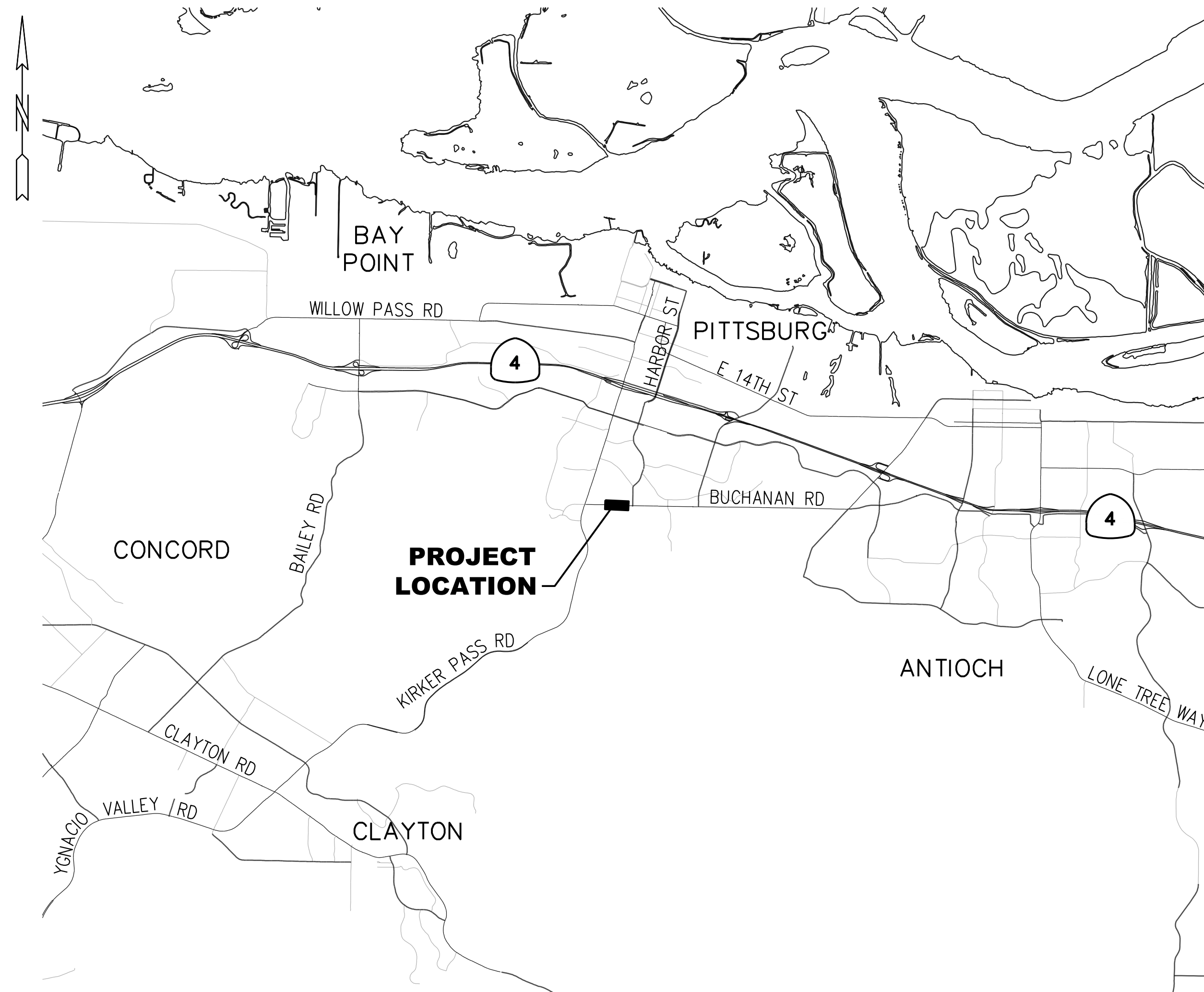
ABBREVIATIONS

BKF	BACKFILL
CL	CENTERLINE
CP	CONTROL POINT
EG	EXISTING GRADE
EL	ELEVATION
EMB	EMBANKMENT
EP	EDGE OF PAVEMENT
ESA	ENVIRONMENTALLY SENSITIVE AREA
EXC	EXCAVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
LOL	LAYOUT LINE
P/L	PROPERTY LINE
REF	REFERENCE
RW	RETAINING WALL
SHT	SHEET
STD	STANDARD
TYP	TYPICAL
VAR	VARIABLE

# BUCHANAN ROAD SLOPE REPAIR PROJECT

## BUCHANAN ROAD BETWEEN QUERCUS LN AND HEIGHTS AVE PITTSBURG, CALIFORNIA

**9 JANUARY 2024**



VICINITY MAP



DESCRIPTION OF WORK

THE WORK SHALL CONSIST IN GENERAL OF PROVIDING ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE SLOPE REPAIR PROJECT. WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: MOBILIZATION, WATER POLLUTION CONTROL, TRAFFIC CONTROL, CLEARING & GRUBBING, EXCAVATION, SURFACE AND SUBSURFACE DRAINAGE SYSTEMS, SEGMENTAL BLOCK RETAINING WALL, GEOGRID REINFORCEMENT, COMPACTED FILL, BONDED FIBER MATRIX, PLANTING AND EROSION CONTROL MAT.

CONTRACTOR LICENSE

THE CONTRACTOR SHALL POSSESS A VALID CLASS "A" LICENSE AT THE TIME THE CONTRACT IS AWARDED.

INDEX OF SHEETS

- TITLE SHEET
- SITE & STAGING PLAN
- WATER POLLUTION PREVENTION PLAN
- TRAFFIC CONTROL PLAN
- GRADING & DRAINAGE PLAN
- TYPICAL SECTION
- DETAILS

STANDARD PLANS

THE FOLLOWING CITY OF PITTSBURG STANDARD DETAILS, 2022 EDITION, APPLY:

- A-1 ABBREVIATIONS & TERMS
- A-2 DRAFTING SYMBOLS
- R-7 UTILITY LAYOUT
- G-1 GRADING NOTES
- G-3 RETAINING WALL NOTES
- T-10 TEMPORARY TRAFFIC CONTROL CHECKLIST

THE FOLLOWING CONTRA COSTA COUNTY STANDARD PLANS, 2014 EDITION APPLY:

- CD29 TYPE "J" INLET
- CD60 CONCRETE "V" DITCH
- CE01 TEMPORARY ESA SILT FENCE
- CRS1 SIGNING & STRIPING STANDARDS

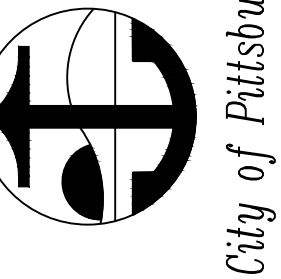
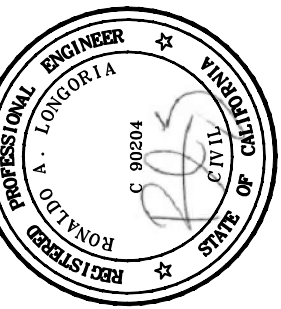
*[Signature]*  
**JOHN SAMUELSON, P.E., CITY ENGINEER, CE 67734**  
 DATE: 1/9/2024

ACCEPTANCE OF THESE IMPROVEMENT PLANS BY THE CITY ENGINEER SHALL NOT RELIEVE THE ENGINEER OF RECORD FOR THE DESIGN NOR FROM ANY DEFICIENCIES RESULTING FROM THE DESIGN THEREOF.

CITY ENGINEER SHALL SIGN ANY REVISION PRIOR OR DURING CONSTRUCTION. A COPY OF THE REVISION SHALL BE SUBMITTED TO THE CITY THROUGH ELECTRONIC OR HARD COPY FORMAT.

A "RECORD DRAWING" SHALL BE SUBMITTED TO THE CITY THROUGH ELECTRONIC OR HARD COPY PRIOR TO ACCEPTANCE OF THE WORK AS COMPLETE.

785 Ygnacio Valley Road  
 Walnut Creek, CA 94596  
 Phone: (925) 935-9771

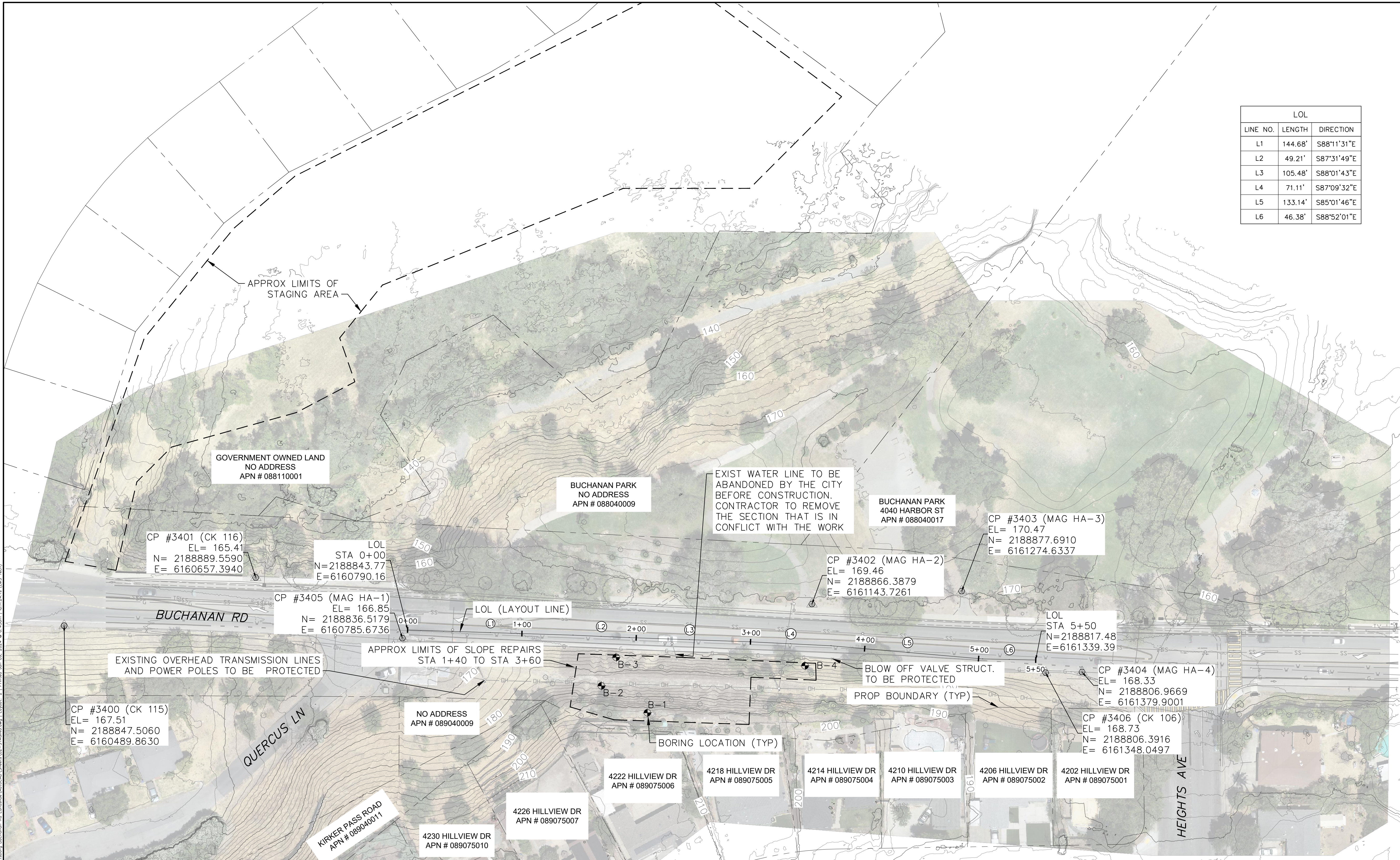


TITLE SHEET

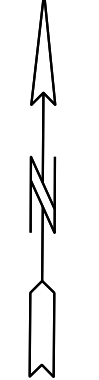
2023 SLOPE FAILURE REPAIR  
 BUCHANAN RD (BETWEEN QUERCUS LN AND HEIGHTS AVE)  
 PITTSBURG, CALIFORNIA

BY:	DRAWN: RL	CHECKED: CH	REVIEWED: CH	DATE: 11/14/23	SCALE: N/A
DESCRIPTION					
REV					
DATE					
SHEET NO.	1 OF 7				
DWG. NO.	C-100				

LOL		
LINE NO.	LENGTH	DIRECTION
L1	144.68'	S88°11'31"E
L2	49.21'	S87°31'49"E
L3	105.48'	S88°01'43"E
L4	71.11'	S87°09'32"E
L5	133.14'	S85°01'46"E
L6	46.38'	S88°52'01"E



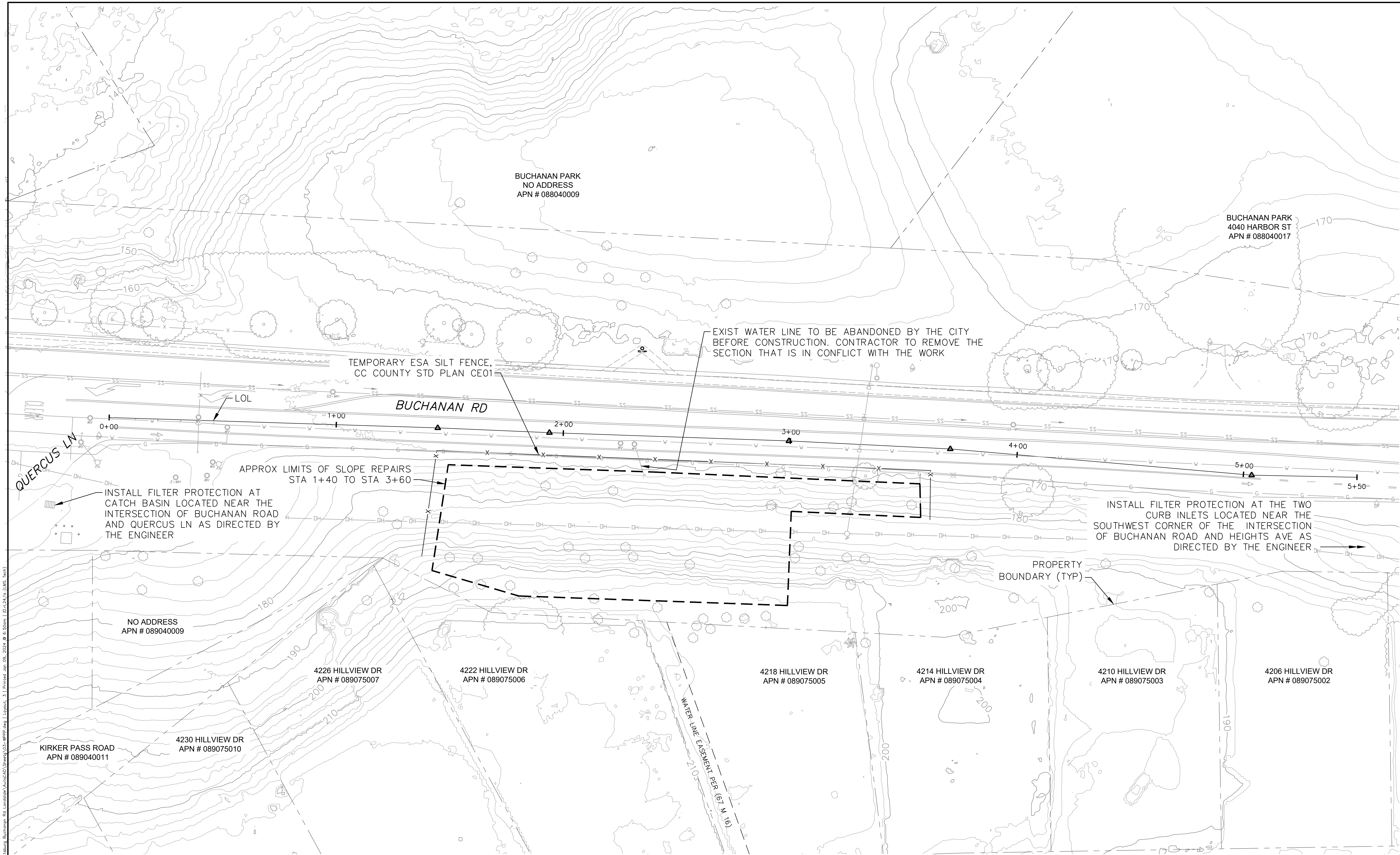
**PLAN**



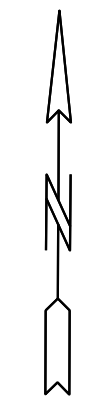
**REFERENCES**

1. CONTOURS AND ORTHOIMAGERY DERIVED FROM AERIAL DRONE SURVEY, FLOWN 07/31/2023.
2. LAYOUT LINE FOLLOWS BUCHANAN RD FACE OF CURB, SHIFTED 10' N.
3. UTILITY SURVEY PROVIDED BY LCC, INC., DATED 09/08/2015.

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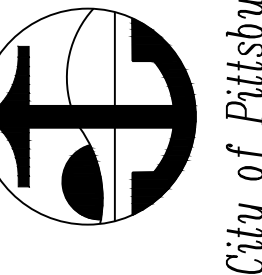
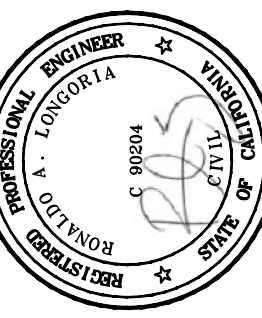


**PLAN**



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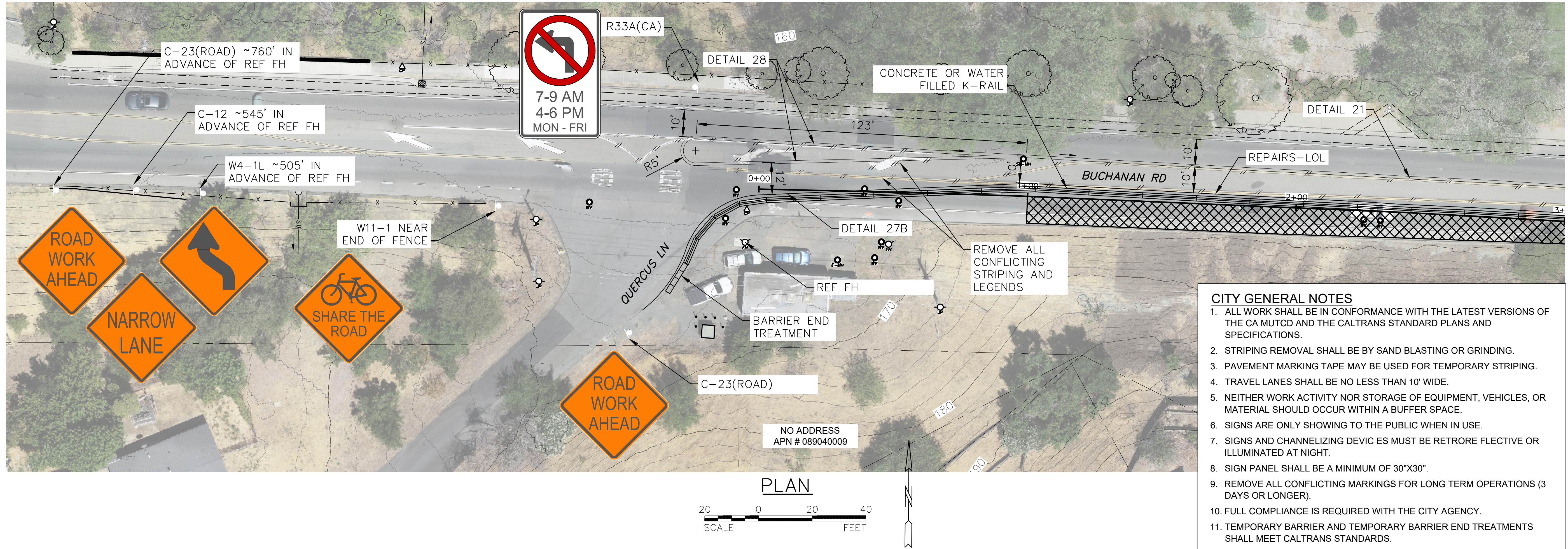


**WATER POLLUTION CONTROL PLAN**  
2023 SLOPE FAILURE REPAIR  
BUCHANAN RD (BETWEEN QUERCUS LN AND HEIGHTS AVE)  
PITTSBURG, CALIFORNIA

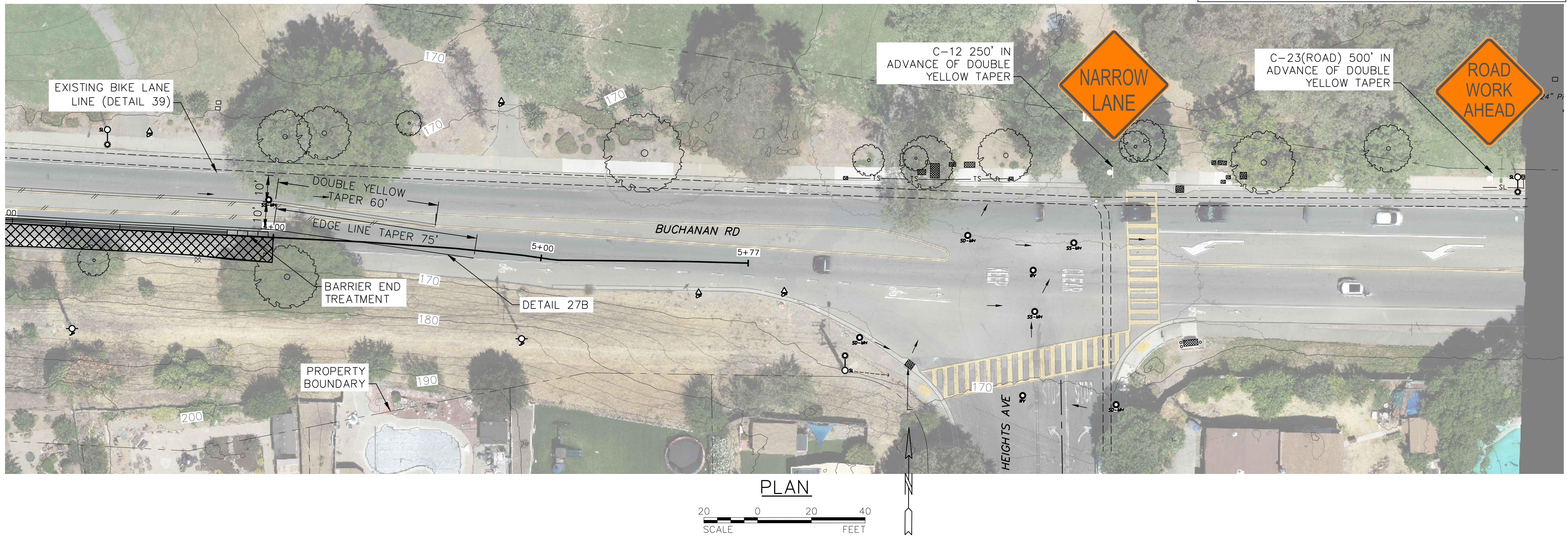
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DATE: 11/14/23	
SCALE: N/A	

DATE	REV	DESCRIPTION

SHEET NO. 3 OF 7
DWG. NO. C-102



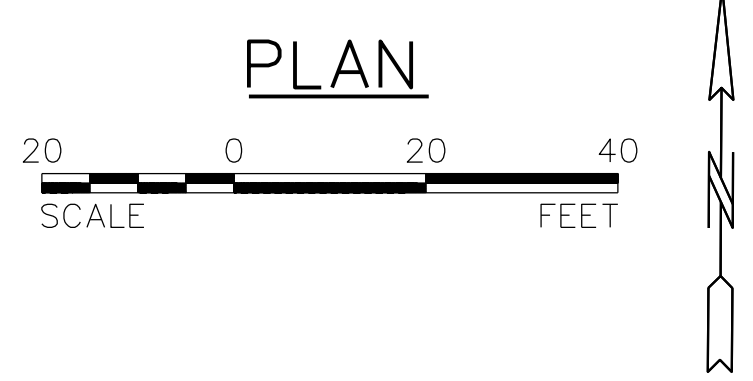
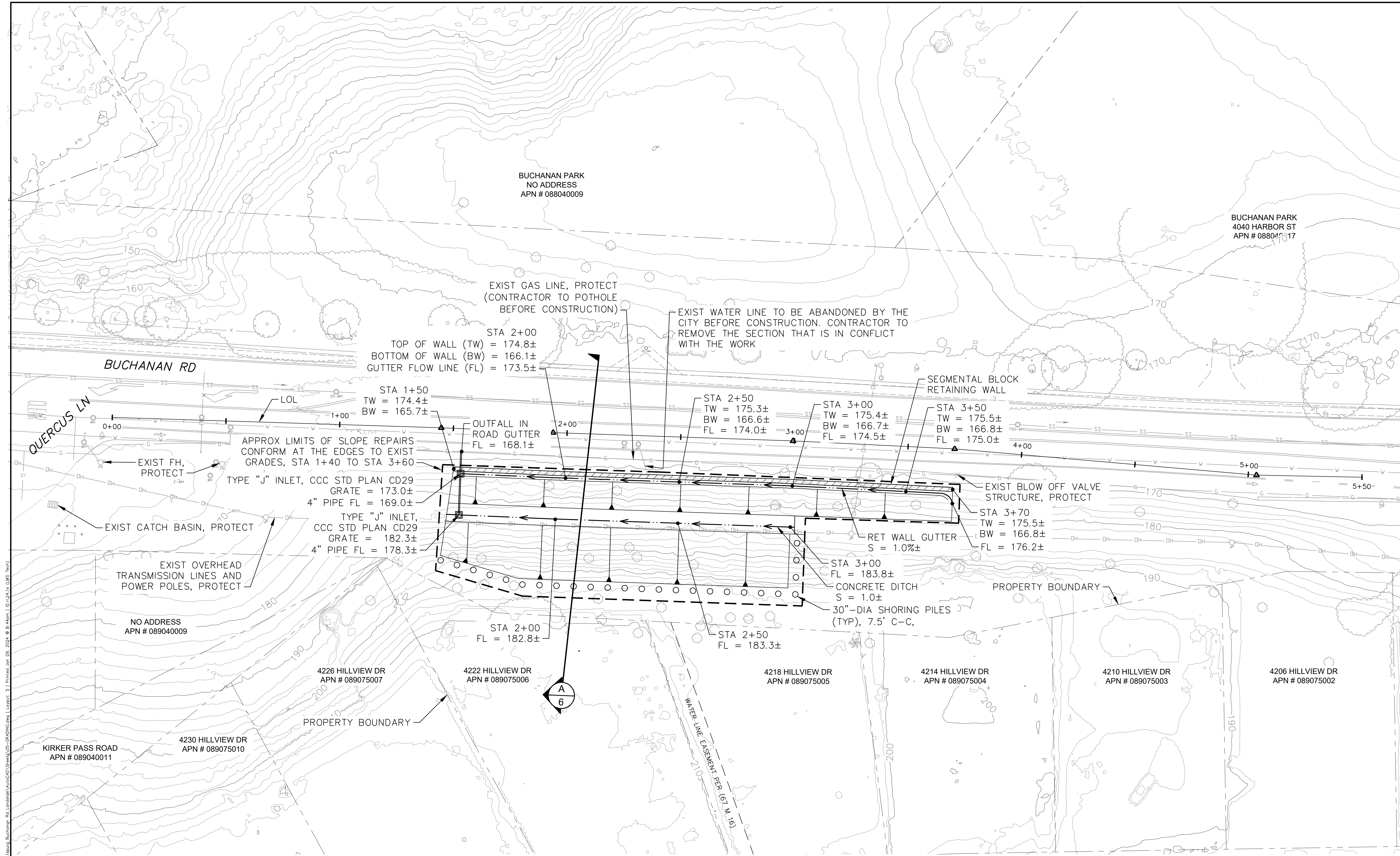
- CITY GENERAL NOTES**
1. ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST VERSIONS OF THE CA MUTCD AND THE CALTRANS STANDARD PLANS AND SPECIFICATIONS.
  2. STRIPING REMOVAL SHALL BE BY SAND BLASTING OR GRINDING.
  3. PAVEMENT MARKING TAPE MAY BE USED FOR TEMPORARY STRIPING.
  4. TRAVEL LANES SHALL BE NO LESS THAN 10' WIDE.
  5. NEITHER WORK ACTIVITY NOR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
  6. SIGNS ARE ONLY SHOWING TO THE PUBLIC WHEN IN USE.
  7. SIGNS AND CHANNELIZING DEVICES MUST BE RETROREFLECTIVE OR ILLUMINATED AT NIGHT.
  8. SIGN PANEL SHALL BE A MINIMUM OF 30"x30".
  9. REMOVE ALL CONFLICTING MARKINGS FOR LONG TERM OPERATIONS (3 DAYS OR LONGER).
  10. FULL COMPLIANCE IS REQUIRED WITH THE CITY AGENCY.
  11. TEMPORARY BARRIER AND TEMPORARY BARRIER END TREATMENTS SHALL MEET CALTRANS STANDARDS.



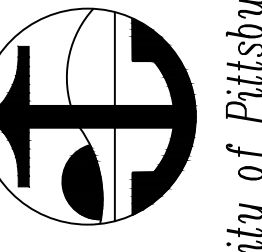
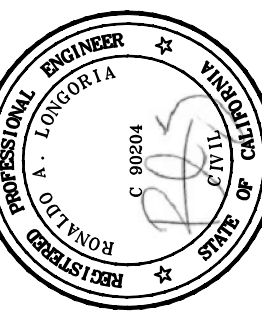
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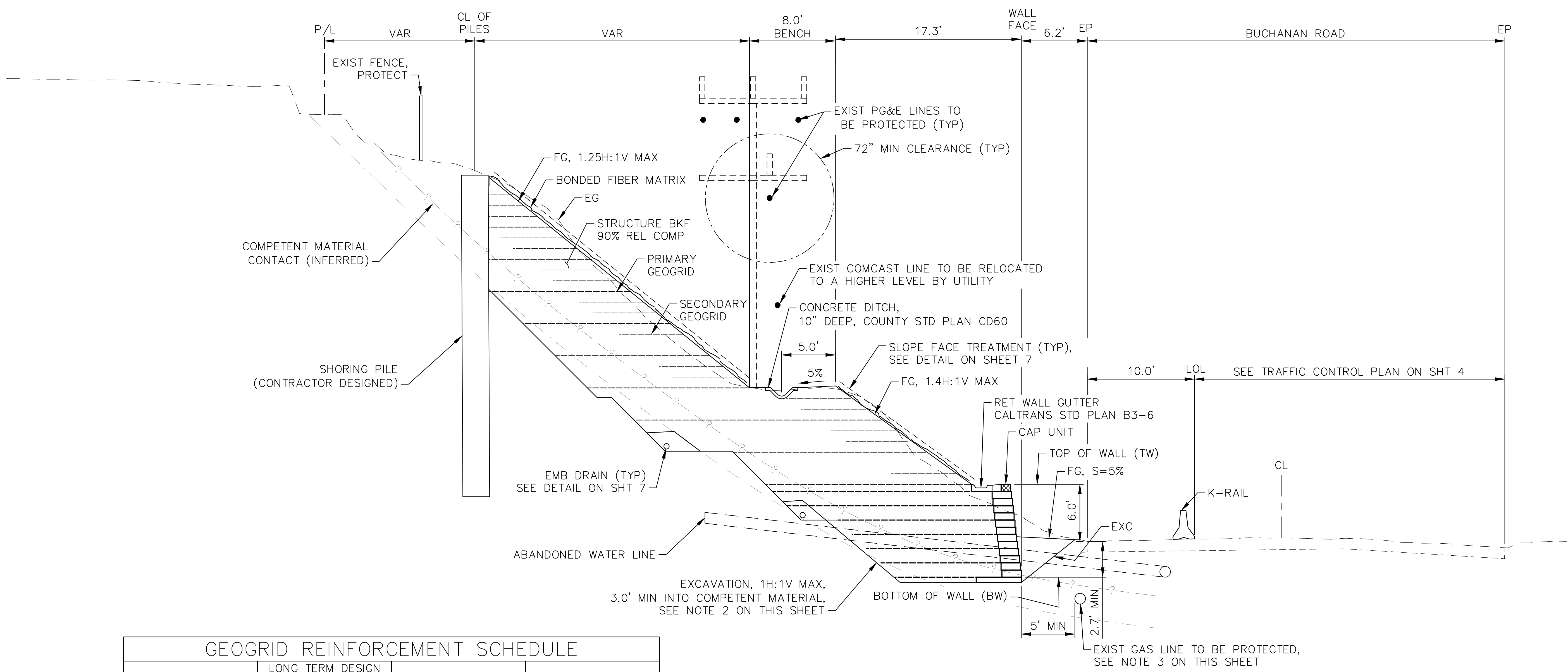
**GRADING & DRAINAGE**

2023 SLOPE FAILURE REPAIR  
BUCHANAN RD (BETWEEN QUERCUS LN AND HEIGHTS AVE)  
PITTSBURG, CALIFORNIA

BY:	DRAWN: RL
CHECKED: CH	
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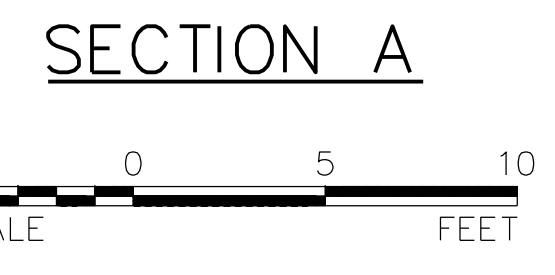
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TYPE	LONG TERM DESIGN STRENGTH (LTDS)	SPACING	LENGTH
PRIMARY	3,000 PLF	3 FT	FULL*
SECONDARY	1,500 PLF	1 FT	6 FT

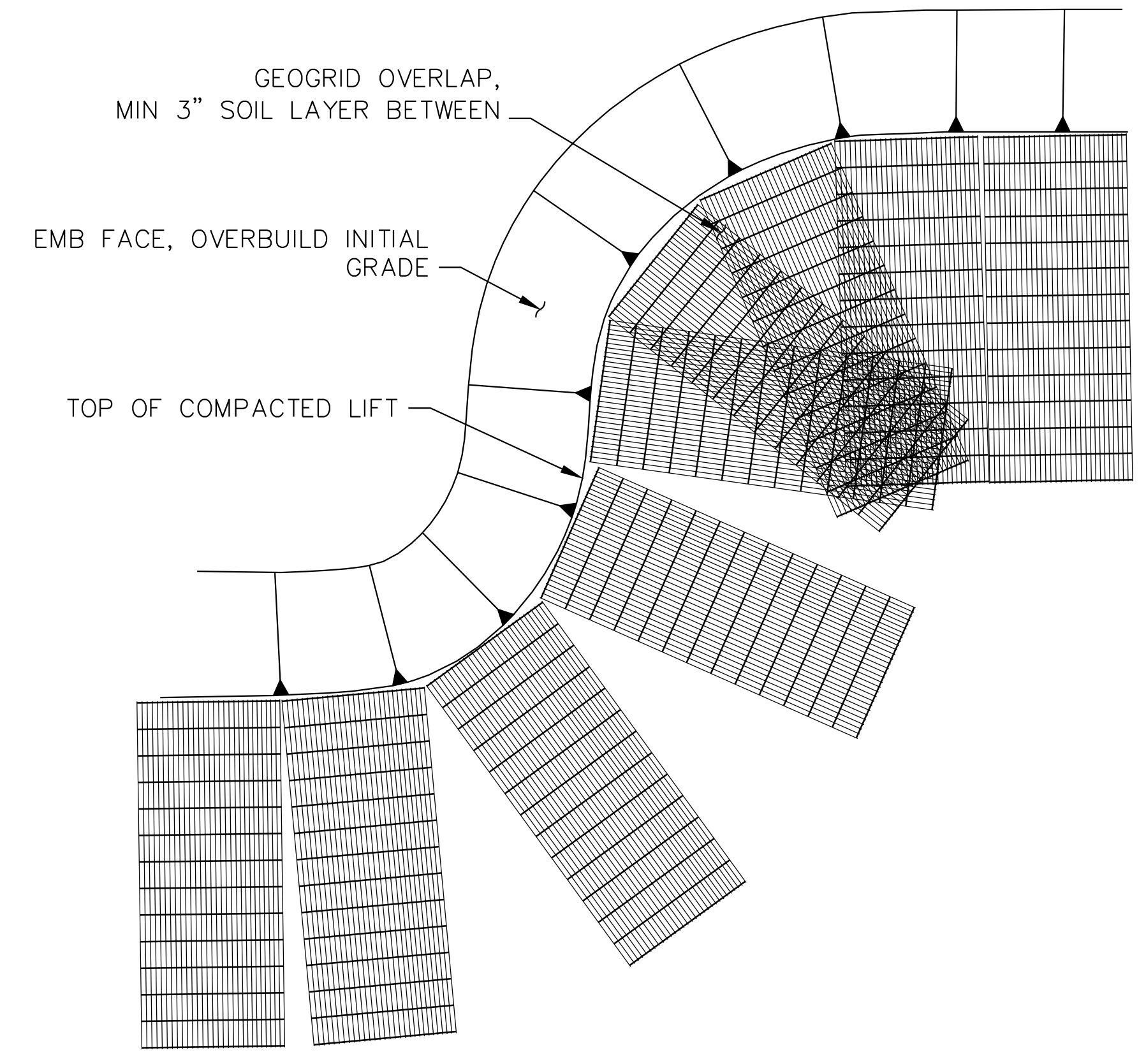
\* FULL: FROM FACE OF SLOPE TO BACK CUT



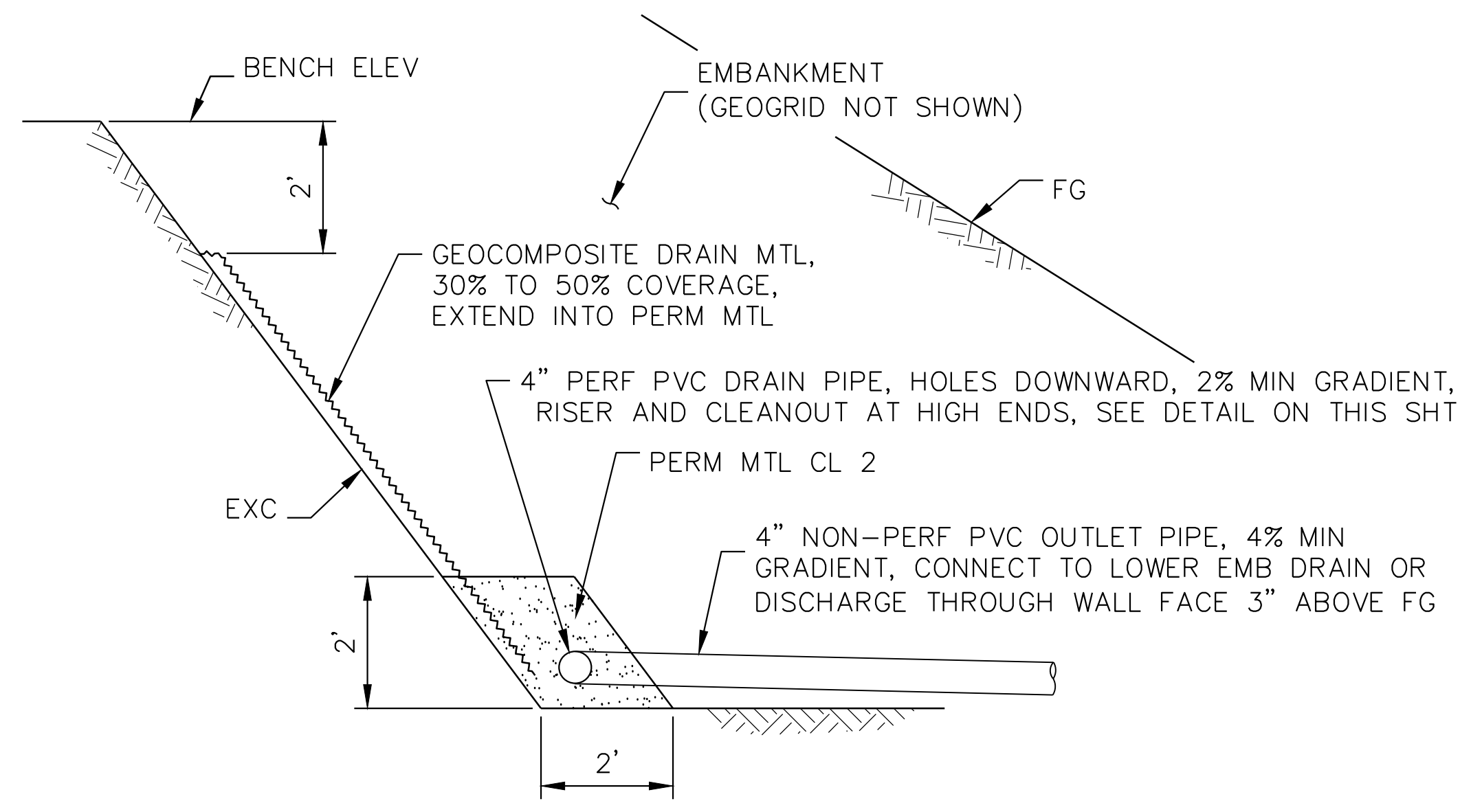
**NOTES**

- EXCAVATION CONFIGURATION SHOWN ON THE TYPICAL SECTION IS PRELIMINARY. FINAL CONFIGURATION THAT KEYS INTO COMPETENT MATERIAL SHALL BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- FACE OF KEYWAY SHALL BE EMBEDDED 2.7' MINIMUM INTO COMPETENT MATERIAL ON THE DOWNHILL SIDE AS DETERMINED BY THE ENGINEER.
- BEFORE CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE THE EXISTING GAS LINE TO CONFIRM LOCATION. CONTRACTOR SHALL MAINTAIN 5.0' (ALL DIRECTIONS) OF CLEARANCE BETWEEN THE GAS LINE AND THE EXCAVATIONS.
- TO OBTAIN REQUIRED COMPACTION AT THE SLOPE FACE, EARTH FILL MATERIAL SHALL BE PLACED AND COMPACTED A MINIMUM OF 12 INCHES BEYOND THE FINISHED GRADE LINES SHOWN ON THE PLANS AND THE EXCESS FILL MATERIAL SHALL BE TRIMMED BACK TO THE GRADES SHOWN (EXPOSING ALL LAYERS OF GEOGRID)

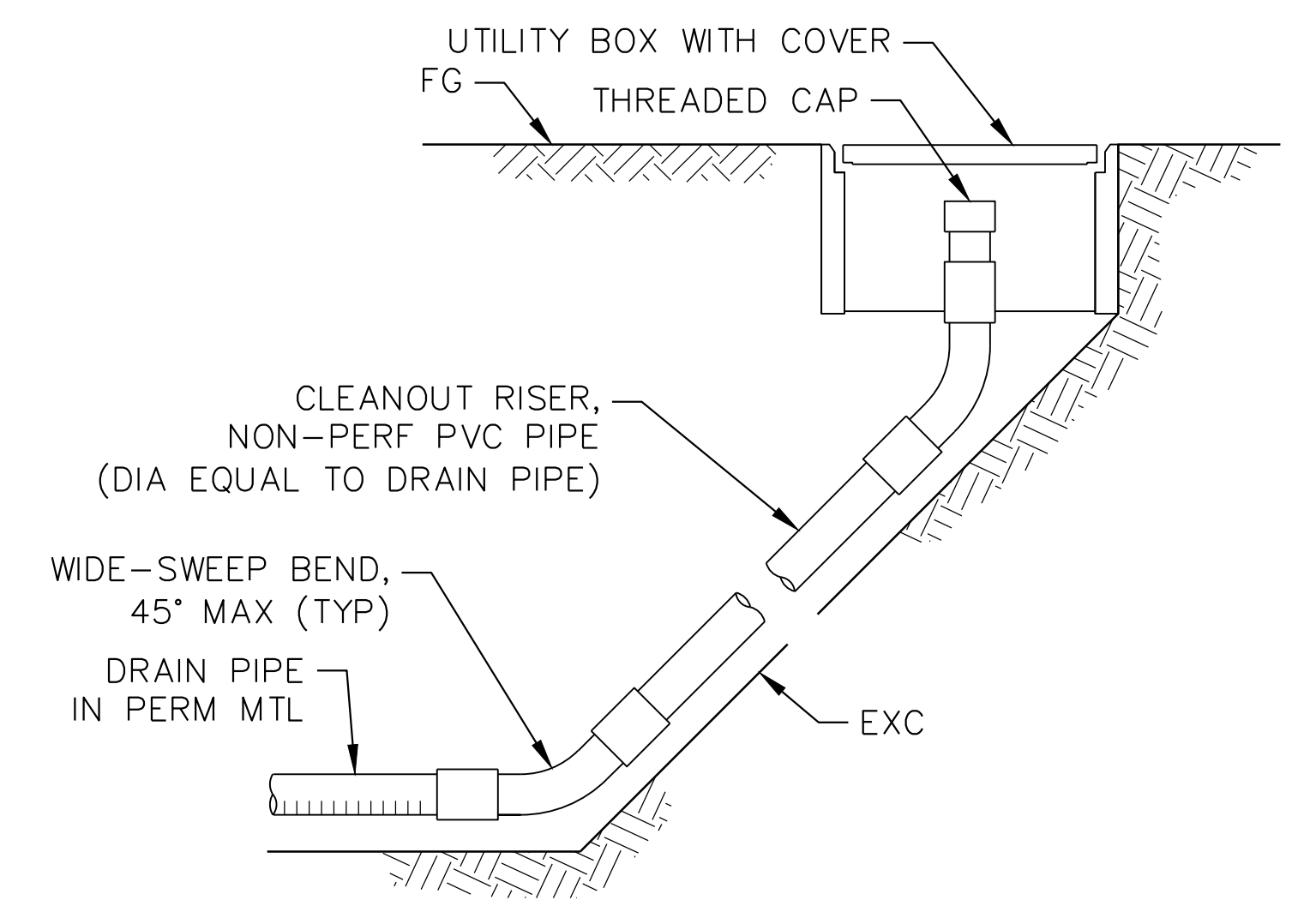
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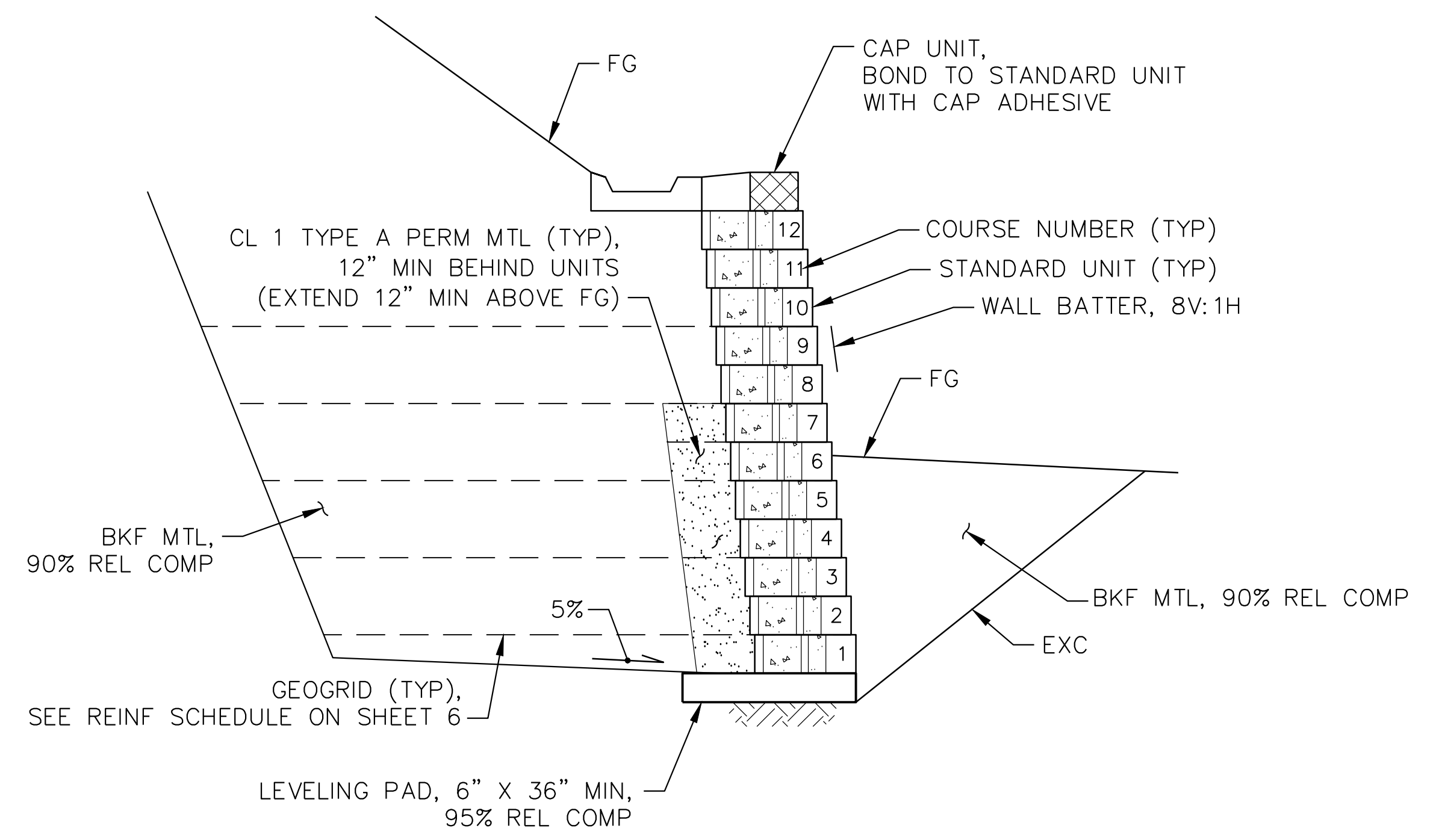
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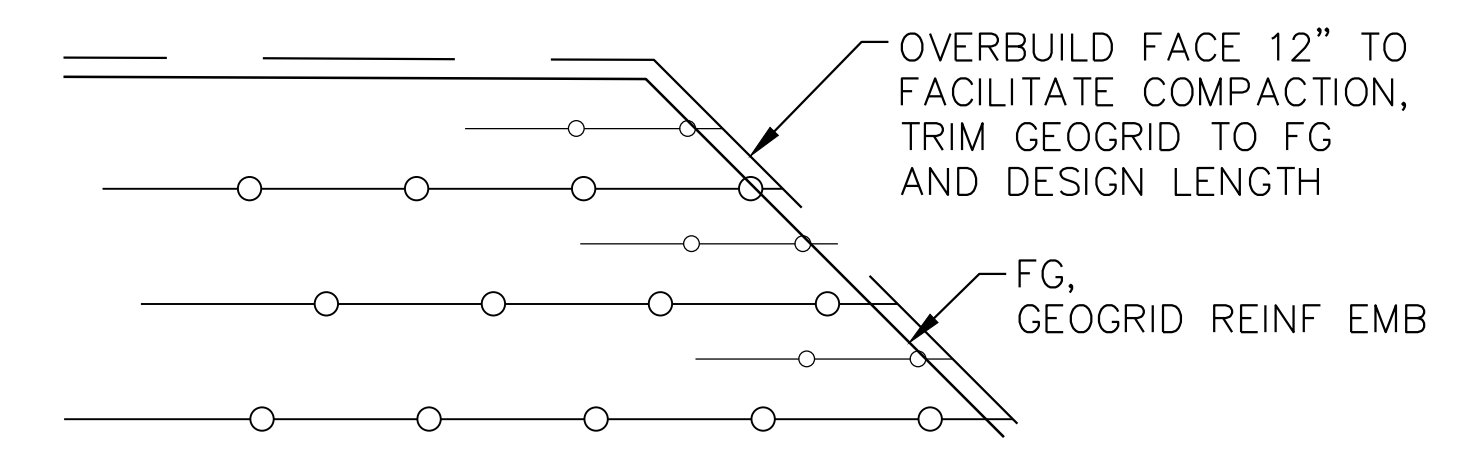
**EMBANKMENT DRAIN**  
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**DRAIN RISER AND CLEANOUT**  
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**SEGMENTAL BLOCK RETAINING WALL**  
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**SLOPE FACE TREATMENT**  
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