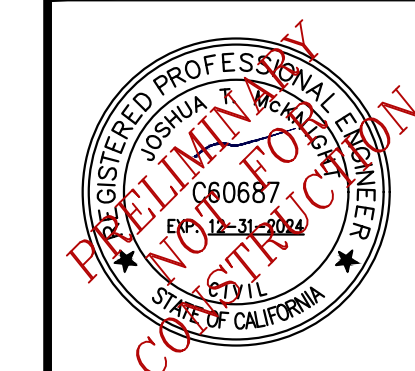


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APN 510-381-021

TITLE SHEET

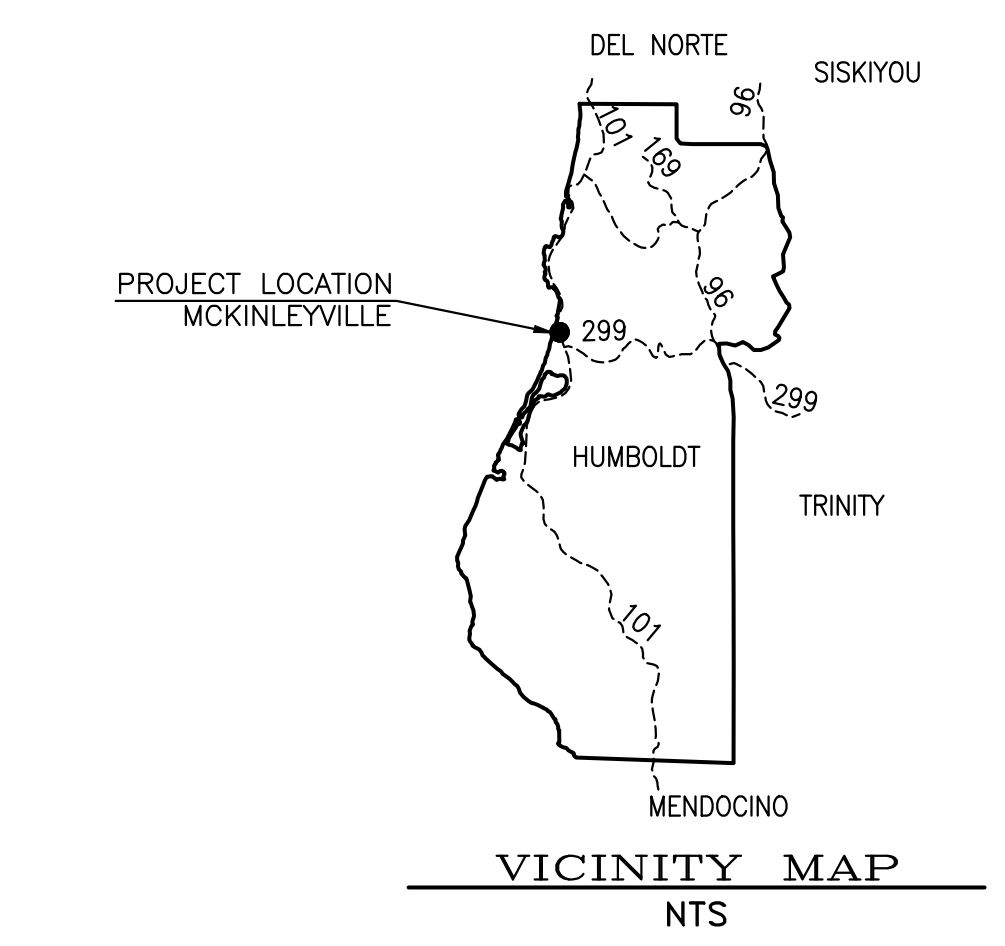
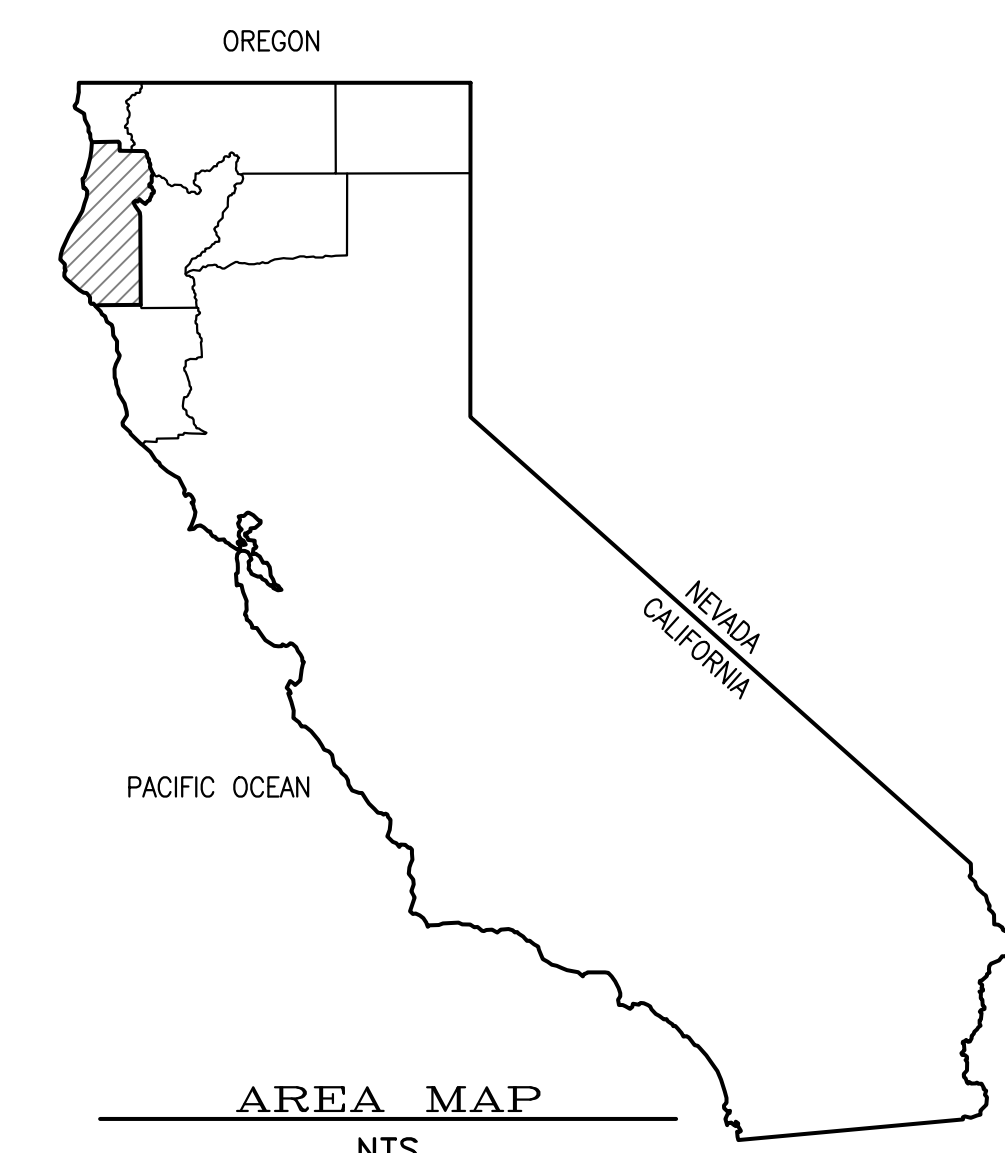
HUMBOLDT, CALIFORNIA

DATE OF ISSUE:
FEB 2023

SCALE:
AS SHOWN

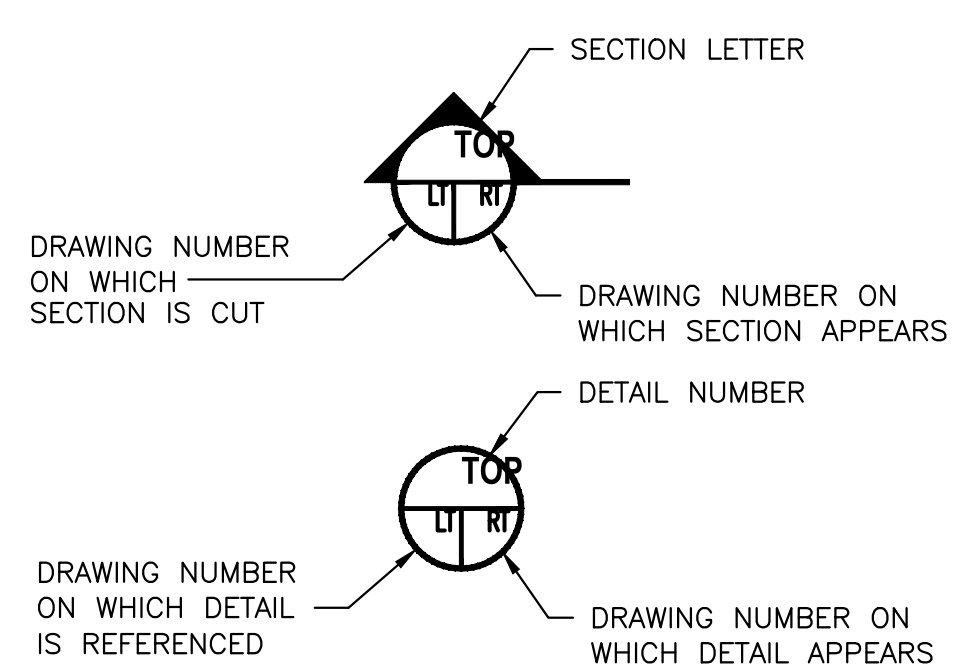
PROJECT NO:
873.01

DRAWING NO:
T01



PLAN VIEW
SCALE: NTS

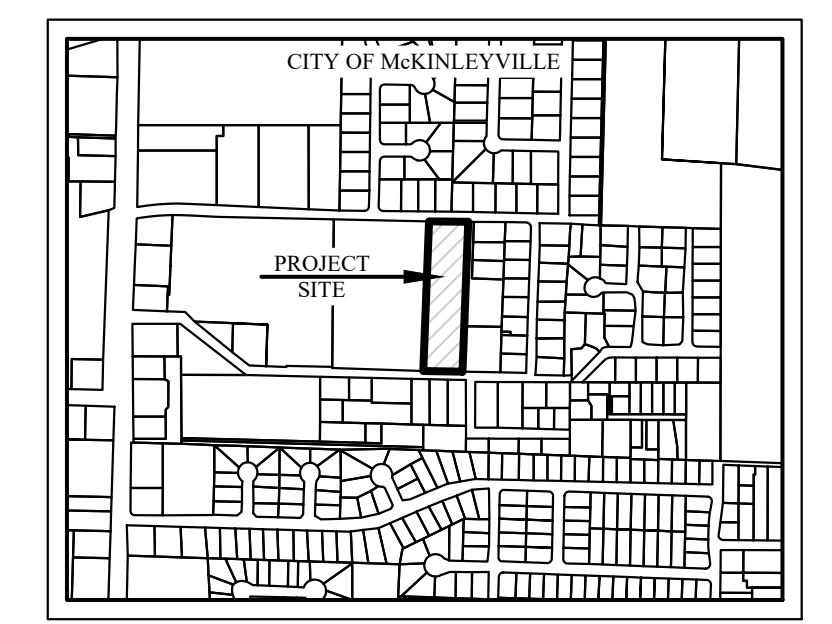
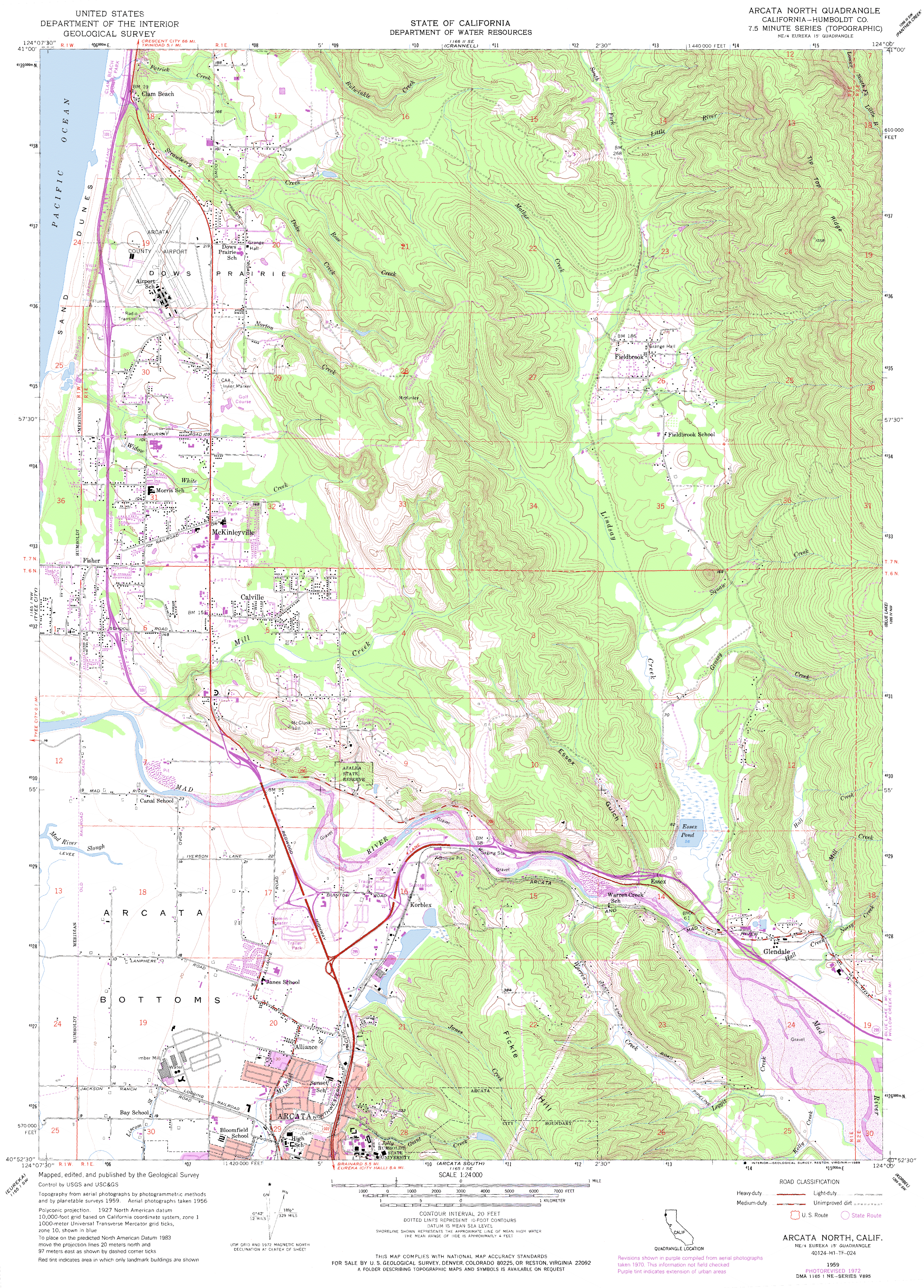
SYMBOLS



TENTATIVE SUBDIVISION MAP BEING CONCURRENTLY PREPARED BY KELLY-O'HERN ASSOCIATES OF EUREKA, CA

SHEET INDEX

DRAWING #	TITLE	REVISION	DATE
T01.0	TITLE SHEET	0	3/10/2023
C00.0	PLOT PLAN	0	3/10/2023
C01.0	NOTES	0	3/10/2023
C02.0	EXISTING CONDITIONS	0	3/10/2023
C02.1	DEMOLITION PLAN	0	3/10/2023
C03.0	GRADING PLAN	0	3/10/2023
C03.1	SECTIONS	0	3/10/2023
C03.2	GRADING DETAILS 1	0	3/10/2023
C03.3	GRADING DETAILS 2	0	3/10/2023
C04.0	ELECTRIC & TELECOM PLAN	0	3/10/2023
C04.1	WATER PLAN	0	3/10/2023
C04.2	SANITARY SEWER PLAN	0	3/10/2023
C04.3	STORM DRAIN PLAN	0	3/10/2023
C05.0	TEMPORARY EROSION CONTROL PLAN	0	3/10/2023
C05.1	TEMPORARY EROSION CONTROL DETAILS 1	0	3/10/2023
C05.2	TEMPORARY EROSION CONTROL DETAILS 2	0	3/10/2023
L01.0	LID PLAN	0	3/10/2023



BUILDING CODE COMPLIANCE

BUILDING SHALL COMPLY WITH 2019 CALIFORNIA BUILDING CODE (CBC), 2019 CALIFORNIA PLUMBING CODE (CPC), 2019 CALIFORNIA MECHANICAL CODE (CMC), 2019 CALIFORNIA ELECTRICAL CODE (CEC), 2019 CALIFORNIA ENERGY EFFICIENCY STANDARDS CODE, 2019 CALIFORNIA FIRE CODE (CFC), 2019 GREEN BUILDING STANDARDS CODES, AND ALL APPLICABLE CODES.

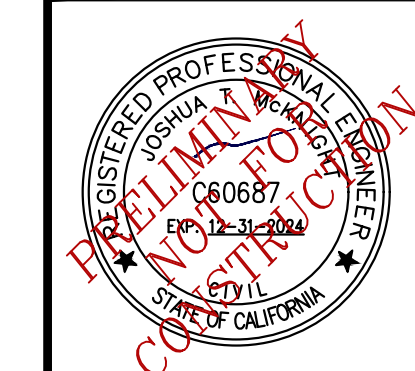
CONTRACTOR ALERT!

CONTRACTOR MUST CONTACT USA DIG AT 800-227-2600 AT LEAST 72 HOURS BEFORE ANY EARTHWORK OR ACTIVITIES THAT MAY IMPACT EXISTING UNDERGROUND UTILITIES.

EXISTING UTILITY ALIGNMENTS BOTH HORIZONTALLY AND VERTICALLY MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITIES.

ABBREVIATIONS

- AC = ASPHALTIC CONCRETE
- AB = AGGREGATE BASE
- A.D. = ALGEBRAIC DIFFERENCE
- BC, PC = BEGIN CURVE
- CO = CLEAN OUT
- CL = CENTER LINE
- CMP = CORRUGATED METAL PIPE
- CPCT. = COMPACT
- D = DELTA
- DET = DETAIL
- DRN = DRAIN
- <A> = EXISTING
- EC = END CURVE
- EG = EXISTING GROUND
- EP = EDGE OF PAVEMENT
- FF = FINISH FLOOR
- FG = FINISH GRADE
- FH = FIRE HYDRANT
- FL = FLOW LINE
- GA = GUY ANCHOR
- GV = GATE VALVE
- HC = HANDICAPPED
- HDPE = HIGH DENSITY POLYETHYLENE PIPE
- INV = INVERT
- (INT-X) = INTERSECTION
- K = SIGHT DISTANCE
- LAT = LATERAL
- LD. = LOCAL DEPRESSION
- LF. = LINEAR FEET
- LF. = SEWER LEACH FIELD
- LT. = LEFT
- MAS. = MASONRY
- MI = MILES
- MSE = MECHANICALLY STABILIZED EARTH
- (N) = NEW
- NTS = NOT TO SCALE
- O.C. = ON CENTER
- PG&E = PACIFIC GAS & ELECTRIC
- (P) = PROPOSED
- PP = POWER POLE
- PRC = POINT OF REVERSE CURVE
- PT = POINT
- PVI = POINT OF VERTICAL INTERSECTION
- PVT = PRIVATE
- RT = RIGHT
- RTN = RETURN
- SB = SET BACK
- SDMH = STORM DRAIN MAN HOLE
- SHT = SHEET
- SD = STORM DRAIN
- STA = STATION
- STD. = STANDARD
- TC = TOP OF CURB
- TBC = TOP BACK OF CURB
- TFC = TOP FACE OF CURB
- TOB = TOP OF BANK
- TEL = TELEPHONE
- TP = TOP OF PAVEMENT
- TVCE = TRINITY VALLEY CONSULTING ENGINEERS
- TW = TOP OF WALL
- (TYP) = TYPICAL
- UG = UNDERGROUND
- W = WATER
- WV = WATER VALVE



GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN IN THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE CONTRACT SPECIFICATIONS.
2. THE CONTRACTOR SHALL PROVIDE ALL UTILITIES AS NECESSARY TO SUCCESSFULLY COMPLETE ALL CONSTRUCTION ACTIVITIES.
3. ALL EXISTING AND PROPOSED DIMENSIONS DEPICTED HEREIN SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK.
4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ON ALL CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITIES, WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S SOLE EXPENSE WITHOUT ADDITIONAL COMPENSATION.
6. THE CONTRACTOR SHALL POSSESS THE CLASS, OR CLASSES, OF LICENSE AS SPECIFIED IN THE NOTICE TO CONTRACTORS.
7. THE CONTRACTOR IS TO EXPOSE THE ENDS OF EXISTING BURIED UTILITIES FOR SURVEYORS TO VERIFY LOCATION AND ELEVATION PRIOR TO PLACEMENT OF NEW UTILITIES. ALL COSTS OF SUCH EXCAVATION AND BACKFILL SHALL BE INCLUDED IN THE PRICE PAID FOR VARIOUS ITEMS OF WORK.
8. ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.
9. THE TYPES, LOCATIONS, SIZES, AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES, HOWEVER, TVCE CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT DEPICTED ON THESE DRAWINGS.
10. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
11. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF U.S.A. TWO WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL FREE NUMBER 1-800-227-2600.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. UNDOCUMENTED PIPING EXPOSED DURING CONSTRUCTION SHALL BE LOCATED AND MARKED BY THE CONTRACTOR FOR INCLUSION IN AS-BUILT DRAWINGS.
14. ALL NEW BURIED PIPING SHALL HAVE A MINIMUM OF 3 FEET OF COVER UNLESS OTHERWISE SPECIFIED.

CULTURALLY SENSITIVE AREAS:

1. AREAS WITHIN THE PROJECT PERIMETER THAT ARE CULTURALLY SENSITIVE SHALL BE PROTECTED AGAINST DAMAGE FROM CONSTRUCTION ACTIVITIES. AT NO TIME SHALL SUCH CULTURALLY SENSITIVE AREAS BE ENTERED, PARKED UPON, STOCK PILED UPON, OR HAVE ANY OTHER ACTIVITY ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT IN ANY WAY INFRINGE UPON, DETERIORATE, DESTROY, OR RENDER TO A STATE OR CONDITION UNACCEPTABLE ANY CULTURALLY SENSITIVE AREA. THE CONTRACTOR AGREES TO PROTECT ALL SUCH AREAS DURING ANY AND ALL ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT.

QUANTITIES:

1. QUANTITIES AND LENGTHS OF ITEMS PROVIDED WITHIN THIS PLAN SET ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL QUANTITIES OF COMPONENTS REQUIRED FOR THE SUCCESSFUL AND SATISFACTORY COMPLETION OF THE PROJECT.

TRAFFIC CONTROL NOTES:

1. WHENEVER THE WORK AREA IS ADJACENT TO A TRAFFIC LANE AND THERE IS A CUT, DITCH OR TRENCH MORE THAN TWO INCHES DEEP, THE CONTRACTOR SHALL MAINTAIN CONTINUOUS BARRICADES SPACED AT APPROXIMATELY 20-FOOT INTERVALS FOR THE FIRST 100 FEET FROM THE BEGINNING OF THE CUT, DITCH OR TRENCH, AND AT APPROXIMATELY 50-FOOT INTERVALS THEREAFTER. IF THE CUT, DITCH OR TRENCH IS MORE THAN TEN FEET FROM A TRAFFIC LANE, THE BARRICADED SPACING MAY BE GREATER BUT SHALL NOT EXCEED 200 FEET.
2. UNLESS SPECIFICALLY SET FORTH AS SPECIAL PROVISIONS, ALL MARKED LANES OF TRAFFIC SHALL BE UNOBSTRUCTED IN EACH DIRECTION DURING THE PEAK TRAFFIC HOURS OF 7:00 TO 8:30AM AND 3:30 TO 6:00 PM.
3. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
4. TRACK MOUNTED VEHICLES SHALL NOT BE OPERATED ON PAVED ROADS.

AGGREGATE BASE ROCK NOTES:

1. AGGREGATE BASE SHALL BE CALTRANS CLASS II.
2. AGGREGATE BASE SHALL BE INSTALLED PER SECTION 26 OF THE CALTRANS STANDARD SPECIFICATIONS.
3. AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION PER CAL 316.

ASPHALT CONCRETE NOTES:

1. ASPHALT CONCRETE SHALL BE 1/2" MAXIMUM RADIUS HOT MIX TYPE A.
2. ASPHALT CONCRETE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS.
3. ASPHALT CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION AS VERIFIED PER CAL 216.
4. EXISTING AC SURFACES SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL WITH THE CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RE-COMPACTED, AND RESEALED PRIOR TO PAVING.

ELECTRIC GENERAL NOTES:

1. ALL ELECTRIC FACILITIES AND WORK TO BE IN STRICT COMPLIANCE WITH APPLICABLE LAWS AND MUST MEET PACIFIC GAS AND ELECTRIC (PG&E) REQUIREMENTS PER CURRENT GREEN BOOK.
2. REFER TO PG&E SITE PLAN FOR ADDITIONAL DETAILS NOT EXPRESSED ON THIS SHEET.
3. CONTRACTOR TO COORDINATE WITH PG&E FOR ALL REQUIRED TESTING/INSPECTION AND FOR PG&E INSTALLED FACILITIES.
4. OWNER HAS THE RESPONSIBILITY OF PAYING ALL FEES TO PG&E DIRECT FOR THEIR SERVICES/FACILITIES UNDER THE ORIGINAL APPLICATION FOR THIS PROJECT. ADDITIONAL COSTS RESULTING DIRECTLY FROM THE CONTRACTOR'S ACTIVITIES AND NOT EXPRESSLY COVERED UNDER THE ORIGINAL APPLICATION WILL BE THE SOLE EXPENSE OF THE CONTRACTOR.
5. POWER/ELECTRICAL FACILITIES DEPICTED ON THESE PLAN SETS ARE FOR GENERAL LOCATION PURPOSES, ACTUAL HARDWARE, ALIGNMENTS, PLACEMENT, AND DESIGN TO BE PROVIDED BY PACIFIC GAS & ELECTRIC (PG&E). CONTRACTOR TO COORDINATE WITH PG&E FOR DESIGN AND INSTALLATION OF REQUIRED COMMUNICATION FACILITIES.

COMMUNICATIONS GENERAL NOTES:

1. ALL COMMUNICATIONS FACILITIES AND WORK TO BE IN STRICT COMPLIANCE WITH APPLICABLE LAWS AND MUST MEET ALL FRONTIER REQUIREMENTS AS APPLICABLE UNDER CPUC.
2. CONTRACTOR TO COORDINATE WITH FRONTIER FOR ALL REQUIRED TESTING/INSPECTION AND FOR FRONTIER INSTALLED FACILITIES.
3. OWNER HAS THE RESPONSIBILITY OF PAYING ALL FEES TO FRONTIER DIRECT FOR THEIR SERVICES/FACILITIES UNDER THE ORIGINAL APPLICATION FOR THIS PROJECT. ADDITIONAL COSTS RESULTING DIRECTLY FROM THE CONTRACTOR'S ACTIVITIES AND NOT EXPRESSLY COVERED UNDER THE ORIGINAL APPLICATION WILL BE THE SOLE EXPENSE OF THE CONTRACTOR.
4. TELEPHONE/COMMUNICATION FACILITIES DEPICTED ON THESE PLAN SETS ARE FOR GENERAL LOCATION PURPOSES, ACTUAL HARDWARE, ALIGNMENTS, PLACEMENT, AND DESIGN TO BE PROVIDED BY FRONTIER. CONTRACTOR TO COORDINATE WITH FRONTIER FOR DESIGN AND INSTALLATION OF REQUIRED COMMUNICATION FACILITIES.

DUST CONTROL NOTES:

1. THE CONTRACTOR SHALL IMPLEMENT ONE OR BOTH OF THE FOLLOWING MEASURES FOR DUST CONTROL ON THIS SITE:
 - 1.1 SPRAYING OF WATER SO AS NOT TO GENERATE ADDITIONAL RUNOFF. NO DUST PALLIATIVE MATERIALS OTHER THAN WATER WILL BE USED ON THIS PROJECT. IF NON-POTABLE WATER IS TO BE USED, IT MUST BE CONVEYED IN TANKS OR PIPES CLEARLY LABELED AS "NON-POTABLE WATER - DO NOT DRINK".
 - 1.2 COVERS FOR EXPOSED AREAS.

EQUIPMENT & MATERIALS STORAGE NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL MATERIALS AND EQUIPMENT STORED ONSITE SHALL HAVE ADEQUATE COVERINGS AND CONTAINMENT TO PREVENT LEAKAGE AND SPILLS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE STORED IN DESIGNATED AND APPROVED AREAS. THE AREA SHALL BE BERMED WITH EARTH DIKES THAT THE CONTRACTOR SHALL INSPECT AND MAINTAIN WEEKLY.
3. ALL FLAMMABLE, REACTIVE, AND/OR IGNITABLE LIQUIDS MUST COMPLY WITH LOCAL FIRE CODES.
4. DURING THE RAINY SEASON (OCTOBER THROUGH APRIL) THE CONTRACTOR SHALL ENSURE THAT MATERIALS ARE COVERED.
5. NO CHEMICALS, DRUMS, OR BAGGED MATERIALS SHALL BE STORED DIRECTLY ON THE GROUND; ITEMS SHALL BE PLACED ON PALLETTS AND/OR IN SECONDARY CONTAINMENT.
6. IF DRUMS MUST BE KEPT UNCOVERED, THE CONTRACTOR SHALL STORE THEM AT A SLIGHT ANGLE TO REDUCE PONDING OF RAINWATER AND REDUCE CORROSION.
7. WHEN DANGEROUS MATERIALS AND/OR LIQUID CHEMICALS ARE UNLOADED ONSITE, THE CONTRACTOR SHALL HAVE EMPLOYEES TRAINED IN EMERGENCY SPILL CLEANUP PROCEDURES PRESENT.

VEHICLE MAINTENANCE NOTES:

1. EQUIPMENT AND VEHICLES TRAVELING ONSITE SHALL BE INSPECTED REGULARLY FOR LEAKS AND BE REPAIRED IMMEDIATELY; DO NOT ALLOW LEAKING VEHICLES ONSITE. KEEP VEHICLES AND EQUIPMENT CLEAN (DO NOT ALLOW EXCESSIVE BUILDUP OF OIL AND GREASE).
2. USE OFFSITE REPAIR SHOPS WHENEVER POSSIBLE; IF ONSITE REPAIRS ARE NECESSARY, USE A DESIGNATED AREA SURROUNDED BY EARTH BERMS. THE CONTRACTOR SHALL INSPECT THIS AREA WEEKLY AND AFTER EACH RAINSTORM EVENT TO ENSURE THAT THE EARTH BERMS ARE IN PLACE AND FUNCTIONING PROPERLY; ANY NON-FUNCTIONING BERMS SHALL BE REPAIRED IMMEDIATELY.
3. USE DRY CLEAN-UP METHODS FOR SPILLS AS MUCH AS POSSIBLE; USE ABSORBENT MATERIALS FOR SMALL SPILLS AND DISPOSE OF PROPERLY. USE A SECONDARY CONTAINMENT DURING FLUID CHANGES AND REPAIRS TO CATCH SPILLS.
4. SEGREGATE AND RECYCLE WASTES (INCLUDING BUT NOT LIMITED TO: USED OIL AND OIL FILTERS, BATTERIES, ETC.). KEEP HAZARDOUS WASTES SEPARATE FROM NON-HAZARDOUS WASTES; AFTER REPAIRS, ETC., PROMPTLY TRANSFER USED FLUIDS AND WASTES TO THEIR PROPER CONTAINMENT AREAS AND CONTAINERS.

SUMMARY OF QUANTITIES:			
ITEM	DESCRIPTION	PLAN QUANTITY TOTAL	UNIT
001	TEMPORARY FACILITIES	1	LS
002			
003			
004			
005			
006			
007			
008			
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REV	DATE	DESCRIPTION	DWN BY	ISS BY	APP BY

VALADAO, ET AL
1820 PICKETT ROAD
MCLELLAN, CA 94519
APN 510-381-021

NOTES

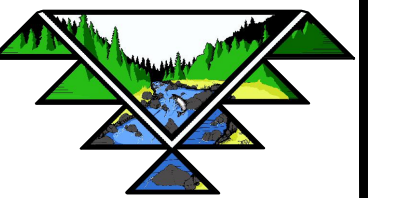
HUMBOLDT, CALIFORNIA

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PO BOX 1587
WILLOW CREEK, CA 95573
P:(530)629-3000
F:(530)629-3011



TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY:
KELLY-O'HERN ASSOCIATES
EUREKA, CALIFORNIA

AGENT/SURVEYOR:
MICHAEL J. O'HERN
KELLY-O'HERN ASSOCIATES
3240 MOORE AVENUE
EUREKA, CA 95501
(707)442-7283

OWNER:
DANE VALADAO, ET AL
1804 PICKETT ROAD
MCKINLEYVILLE, CA 95519
(707)834-6282

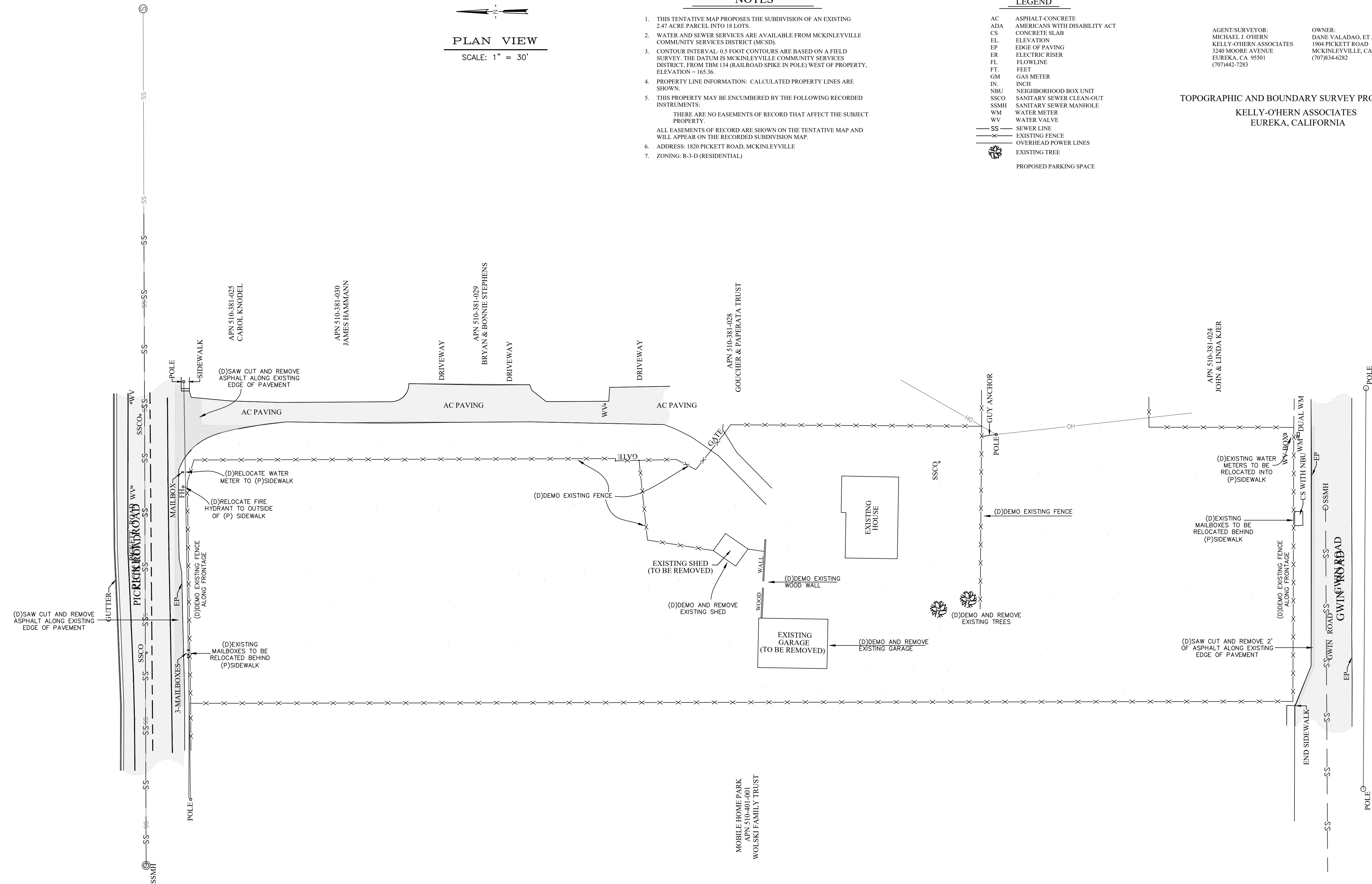
NOTES

- THIS TENTATIVE MAP PROPOSES THE SUBDIVISION OF AN EXISTING 2.47 ACRE PARCEL INTO 18 LOTS.
- WATER AND SEWER SERVICES ARE AVAILABLE FROM MCKINLEYVILLE COMMUNITY SERVICES DISTRICT (MCS D).
- CONTOUR INTERVAL: 0.5 FOOT CONTOURS ARE BASED ON A FIELD SURVEY. THE DATUM IS MCKINLEYVILLE COMMUNITY SERVICES DISTRICT, FROM TBM 134 (RAILROAD SPIKE IN POLE) WEST OF PROPERTY, ELEVATION = 165.36.
- PROPERTY LINE INFORMATION: CALCULATED PROPERTY LINES ARE SHOWN.
- THIS PROPERTY MAY BE ENCUMBERED BY THE FOLLOWING RECORDED INSTRUMENTS:
THERE ARE NO EASEMENTS OF RECORD THAT AFFECT THE SUBJECT PROPERTY.
ALL EASEMENTS OF RECORD ARE SHOWN ON THE TENTATIVE MAP AND WILL APPEAR ON THE RECORDED SUBDIVISION MAP.
- ADDRESS: 1820 PICKETT ROAD, MCKINLEYVILLE
- ZONING: R-3-D (RESIDENTIAL)

LEGEND

- AC ASPHALT-CONCRETE
- ADA AMERICANS WITH DISABILITY ACT
- CS CONCRETE SLAB
- EL ELEVATION
- EP EDGE OF PAVING
- ER ELECTRIC RISER
- FL FLOWLINE
- FT FEET
- GM GAS METER
- IN INCH
- NBU NEIGHBORHOOD BOX UNIT
- SSCO SANITARY SEWER CLEAN-OUT
- SSMH SANITARY SEWER MANHOLE
- WM WATER METER
- WV WATER VALVE
- SS SEWER LINE
- X EXISTING FENCE
- OH OVERHEAD POWER LINES
- EXISTING TREE
- PROPOSED PARKING SPACE

PLAN VIEW
SCALE: 1" = 30'



REV	DATE	DESCRIPTION	CHK BY	APP BY

EXISTING CONDITIONS

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HUMBOLDT, CALIFORNIA

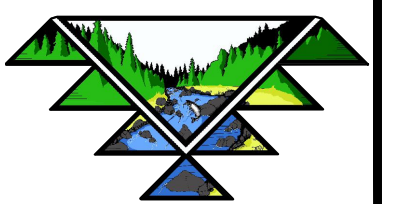
DATE OF ISSUE:
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SCALE:
1" = 30'

PROJECT NO:
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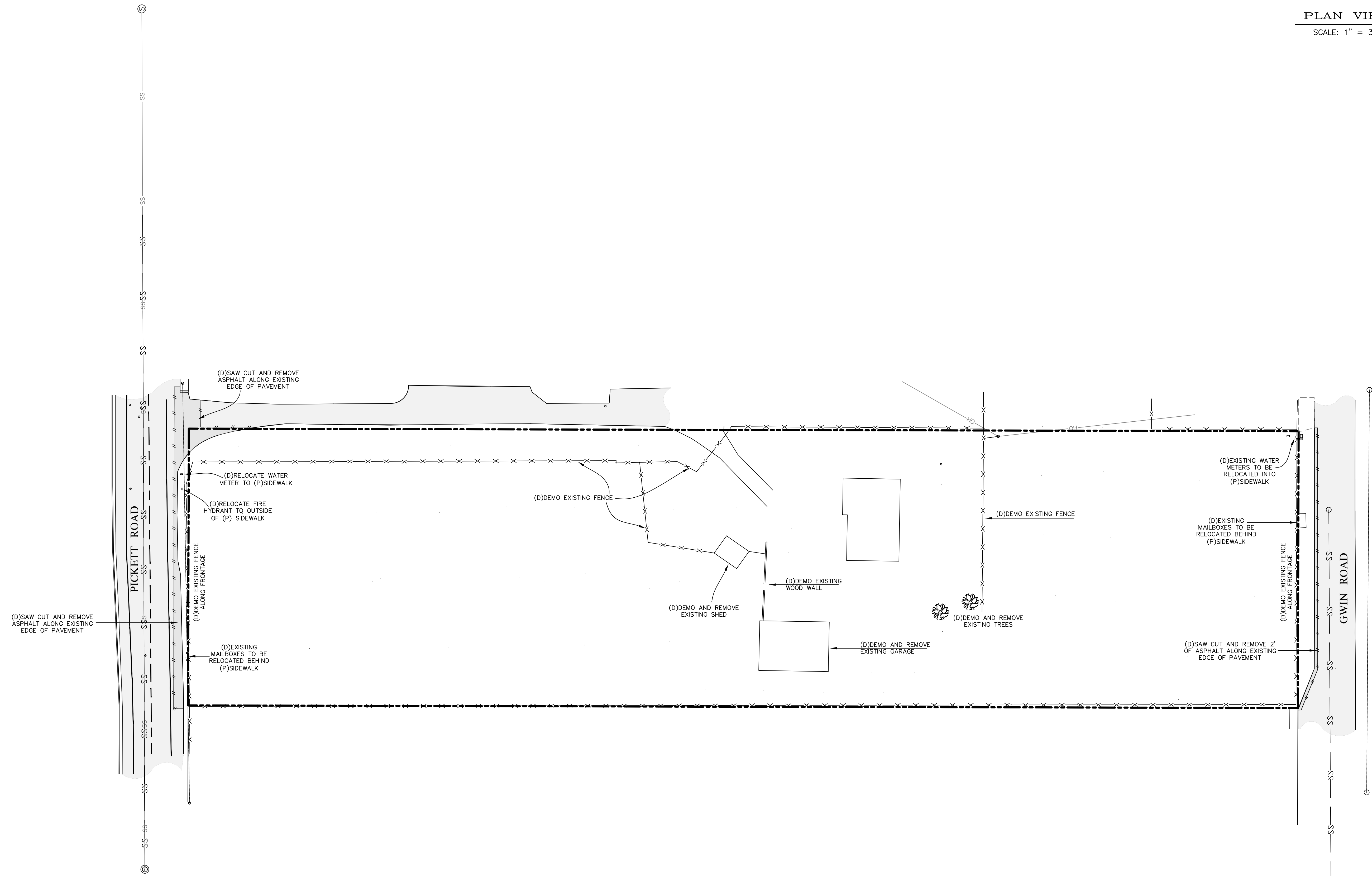
TVCE



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PO BOX 1587
WILLOW CREEK, CA 95573
P:(530)629-3000
F:(530)629-3011



PLAN VIEW
SCALE: 1" = 30'



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VALADAO, ET AL
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DEMOLITION PLAN

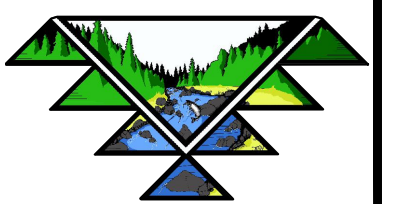
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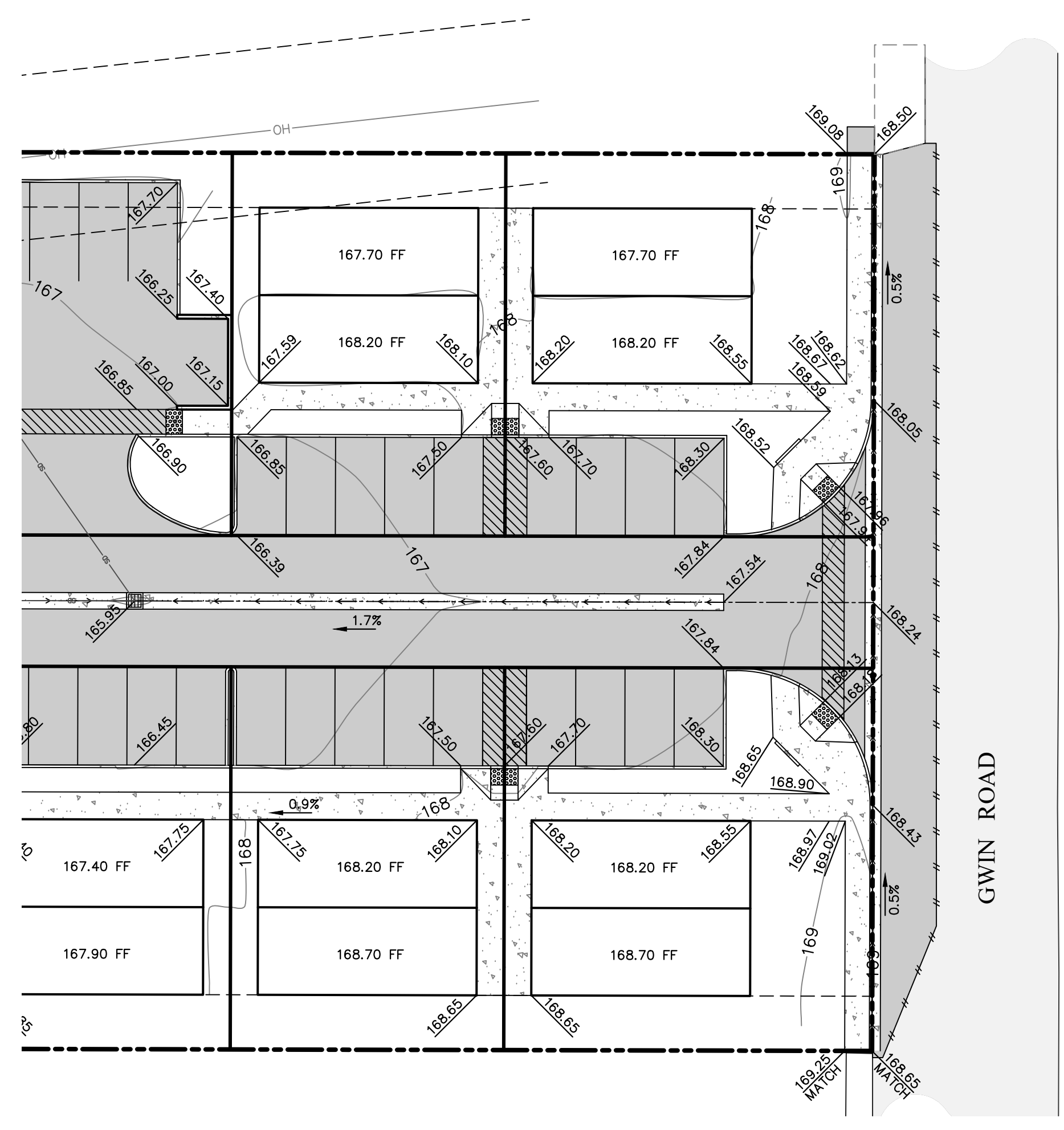
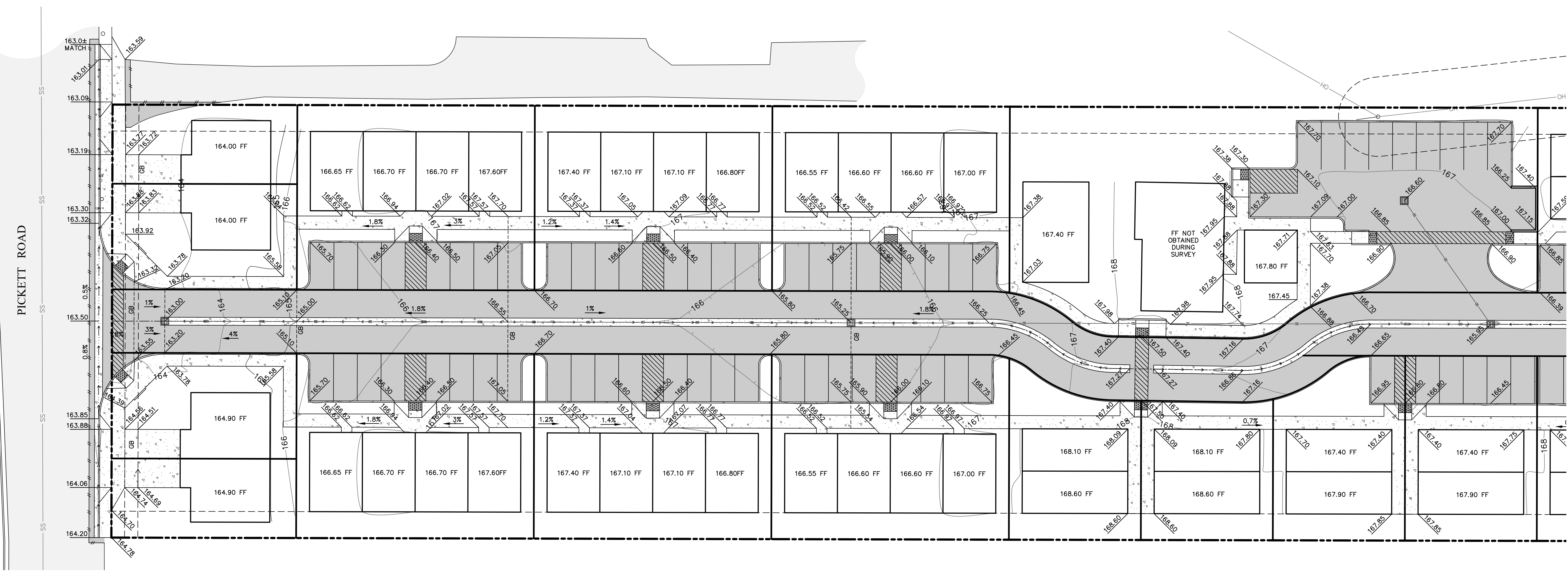
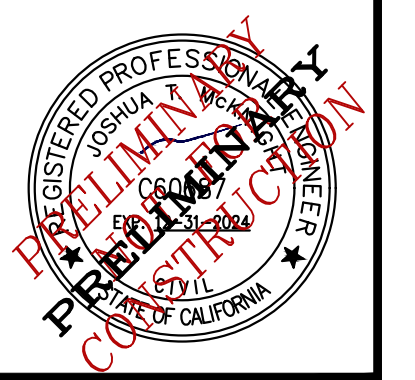
SCALE:
1" = 30'

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F:(530)629-3011

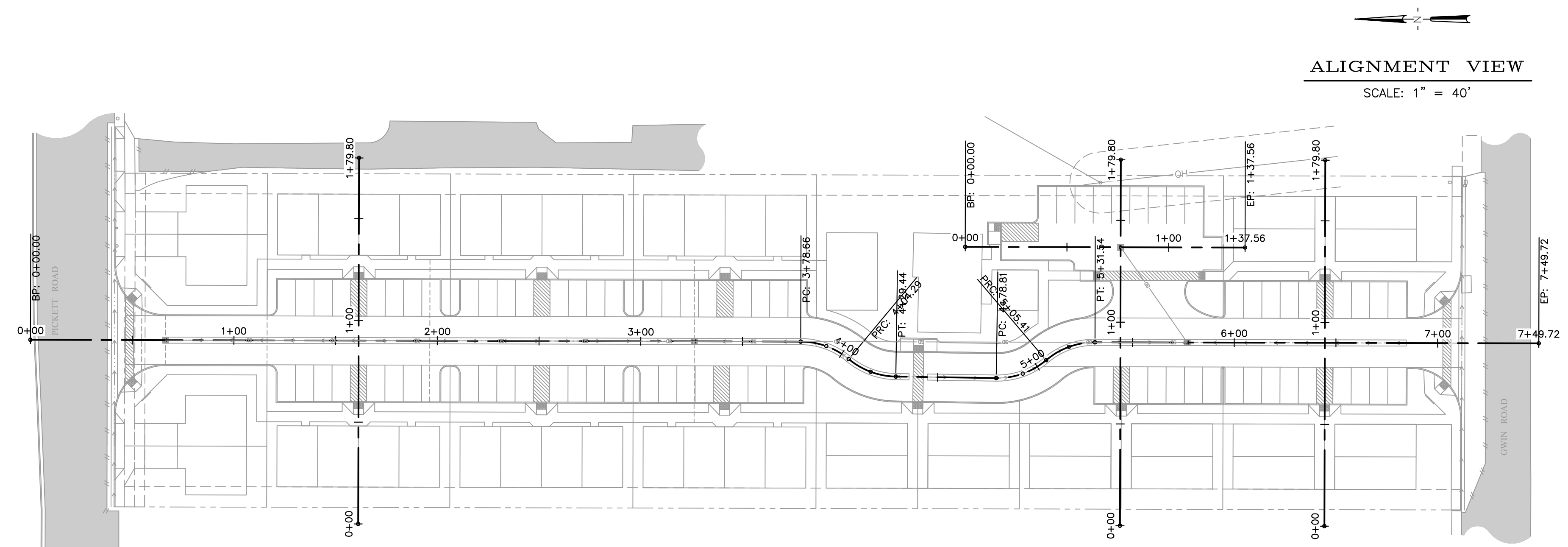


EARTHWORK QUANTITIES:

DEGRUB 12" OF TOPSOIL ACROSS SITE
CUT (CY): ±4850 (TOPSOIL DEGRUB)
FINISHED SURFACE POST DEGRUB
FILL (CY): ±4320

NOTE:
CUT AND FILL QUANTITIES ONSITE TO BE PERMANENT

PLAN VIEW
SCALE: 1" = 20'



ALIGNMENT VIEW
SCALE: 1" = 40'

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

VALADAO, ET AL
1820 PICKETT ROAD
MCCLUREVILLE, CA 95519
APN 510-361-021

GRADING PLAN

HUMBOLDT, CALIFORNIA

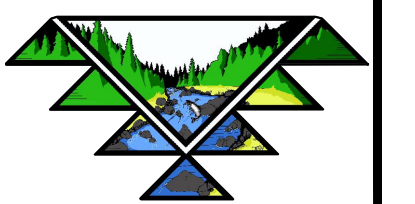
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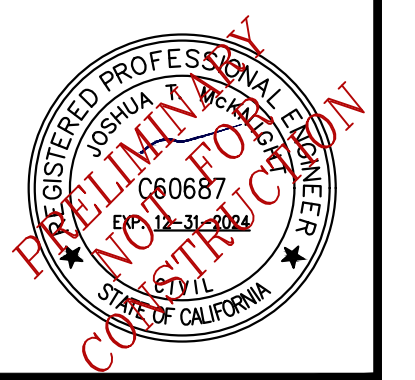
PROJECT NO:
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DRAWING NO:
C3.0

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67 WALNUT WAY
 PO BOX 1587
 WILLOW CREEK, CA 95573
 P:(530)629-3000
 F:(530)629-3011



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

VALADAO, ET AL
 1820 TICKET ROAD
 MCLELLAN, CA 95519
 APN 510-381-021

SECTIONS
 HUMBOLDT, CALIFORNIA

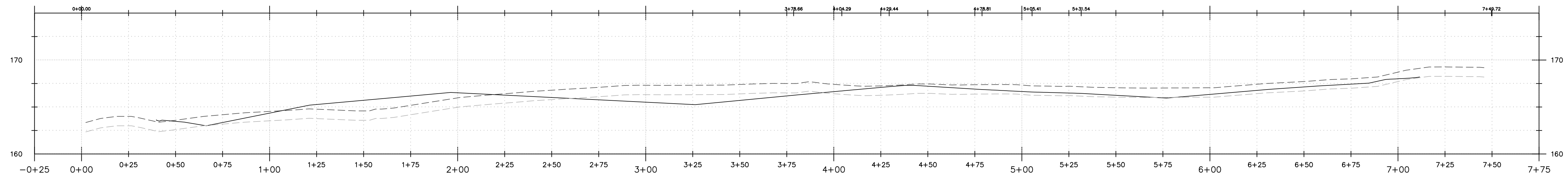
DATE OF ISSUE:
 FEB 2023

SCALE:
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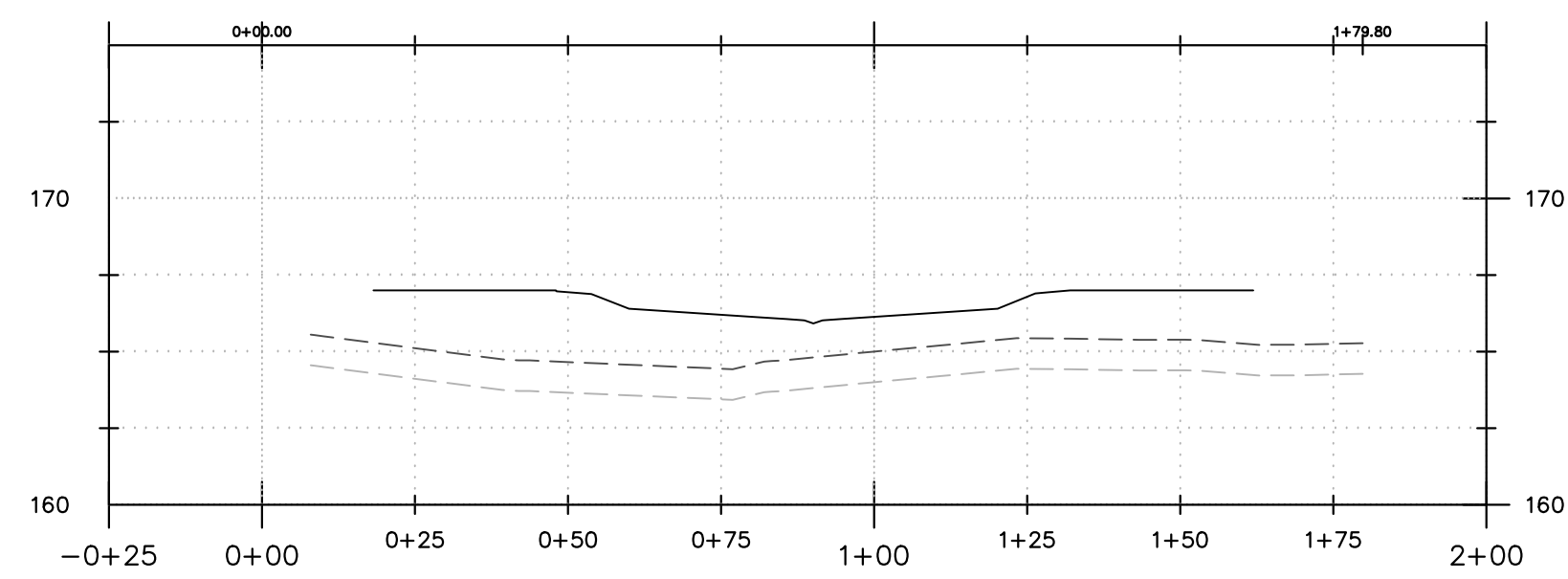
PROJECT NO:
 873.01

DRAWING NO:
C3.1

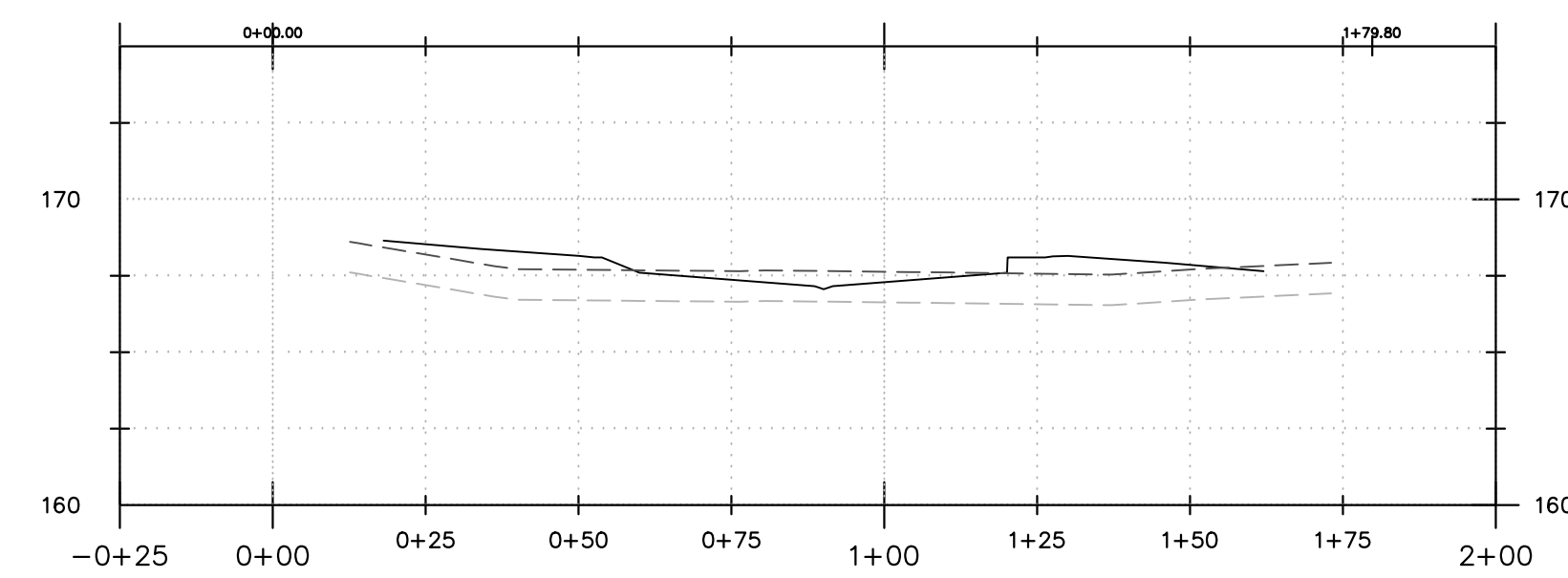
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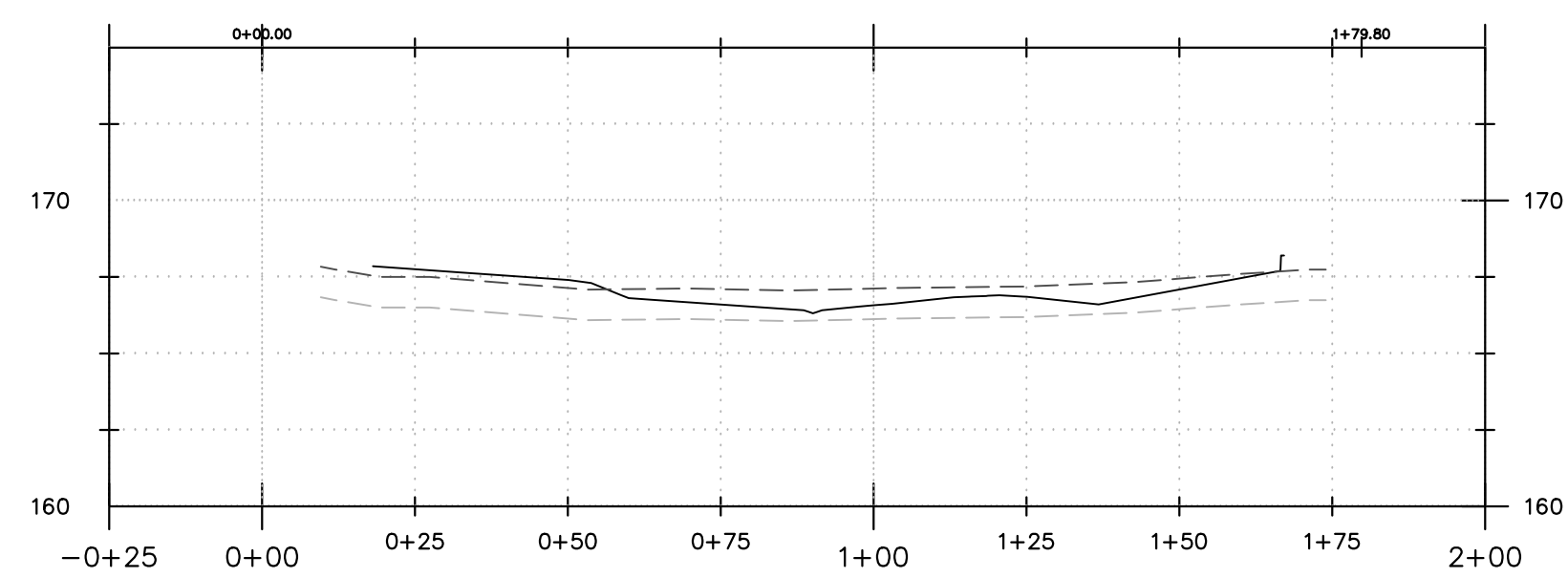
NORTH CROSS SECTION



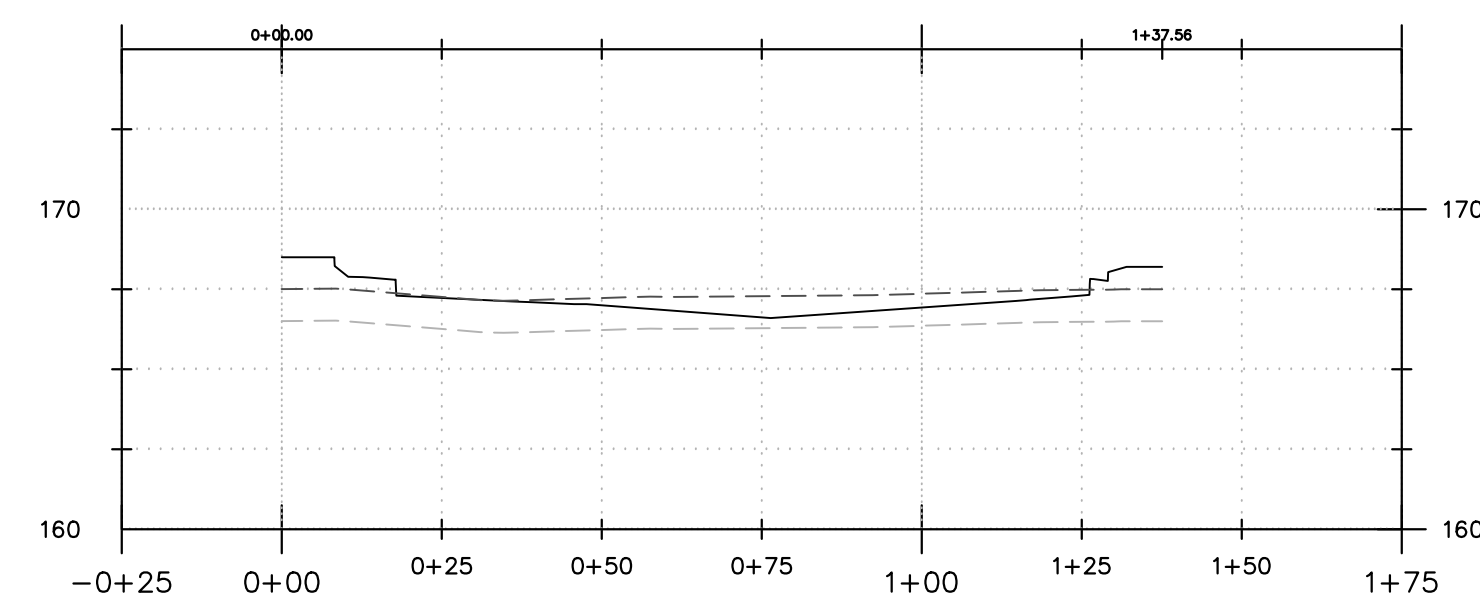
SOUTH CROSS SECTION



AUXILLARY PARKING



TRASH ENCLOSURE



TVCE

67 WALNUT WAY
PO BOX 1587
WILLOW CREEK, CA 95573
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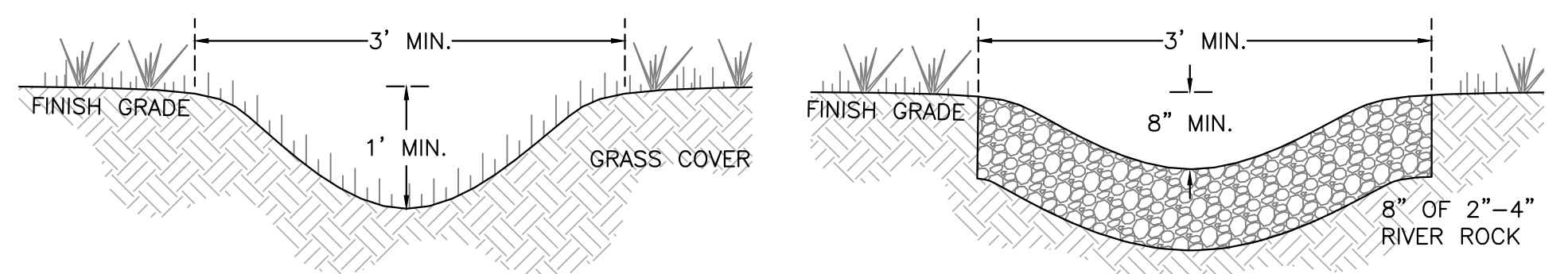
GRADING NOTES:

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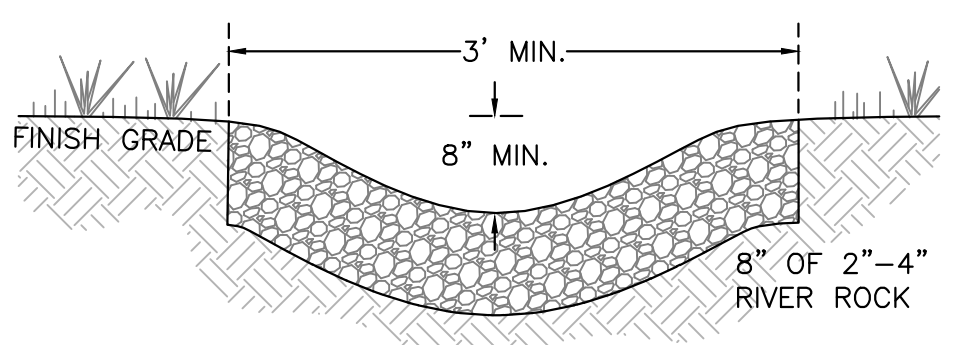
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- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE SITE AS SOON AS PRACTICAL AND SHALL BE IN PLACE PRIOR TO EXECUTION OF MAJOR DEMOLITION OPERATIONS.

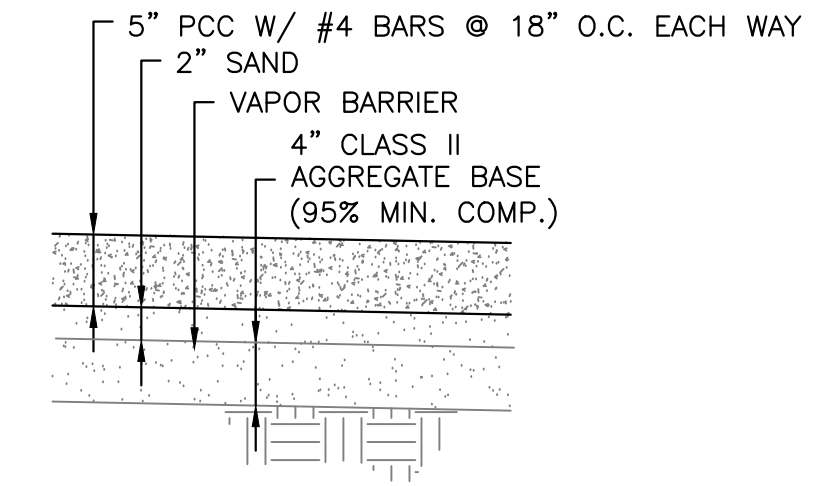
FILL PLACEMENT LOCATION	COMPACTION RECOMMENDATIONS (ASTM D 1557—MODIFIED PROCTOR)	MOISTURE CONTENT (PERCENT OPTIMUM)
STRUCTURAL FILL SUPPORTING FOOTING	90%	-1 TO +3 PERCENT
STRUCTURAL FILL SUPPORTING SLABS—ON—GRADE	90%	-1 TO +3 PERCENT
STRUCTURAL FILL PLACED WITHIN 3 FEET BEYOND THE PERIMETER OF THE BUILDING PAD	90%	-1 TO +3 PERCENT
UTILITY TRENCHES WITHIN BUILDING AND ANY PAVEMENT AREAS	95%	-1 TO +3 PERCENT
UTILITY TRENCHES BENEATH LANDSCAPE AND GRASS AREAS	90%	-1 TO +3 PERCENT



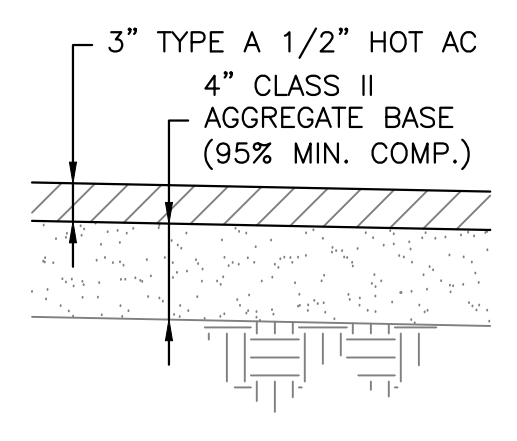
**DRAINAGE SWALE
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NOT TO SCALE (1A) C3.0/C3.3



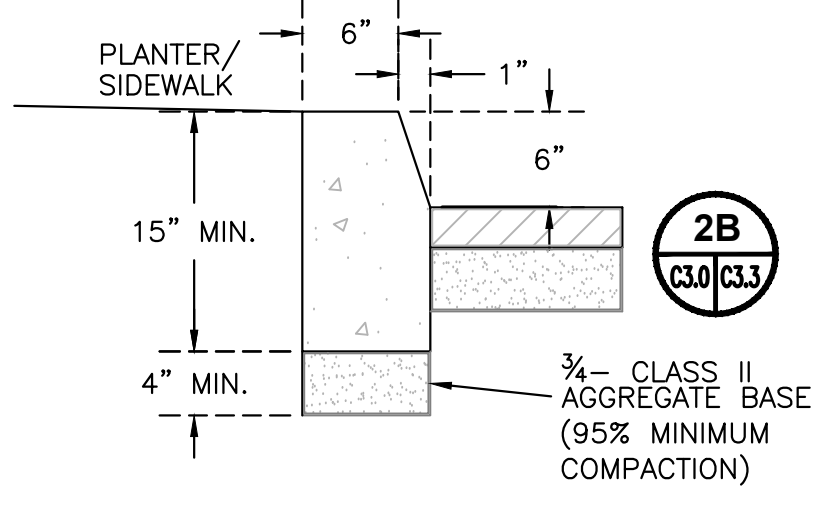
**DRAINAGE SWALE
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NOT TO SCALE (1B) C3.0/C3.3



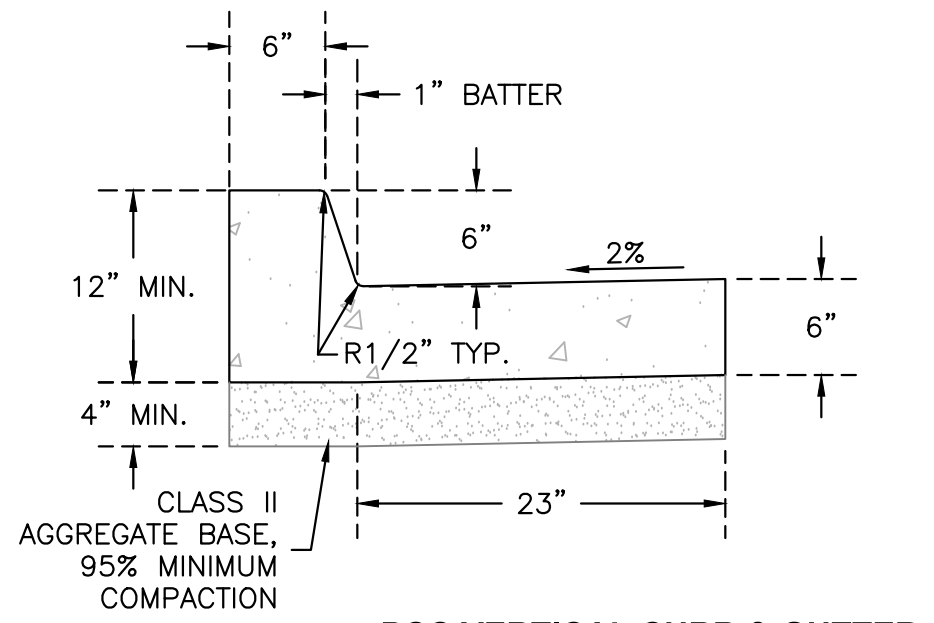
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NOT TO SCALE (2A) C3.0/C3.3



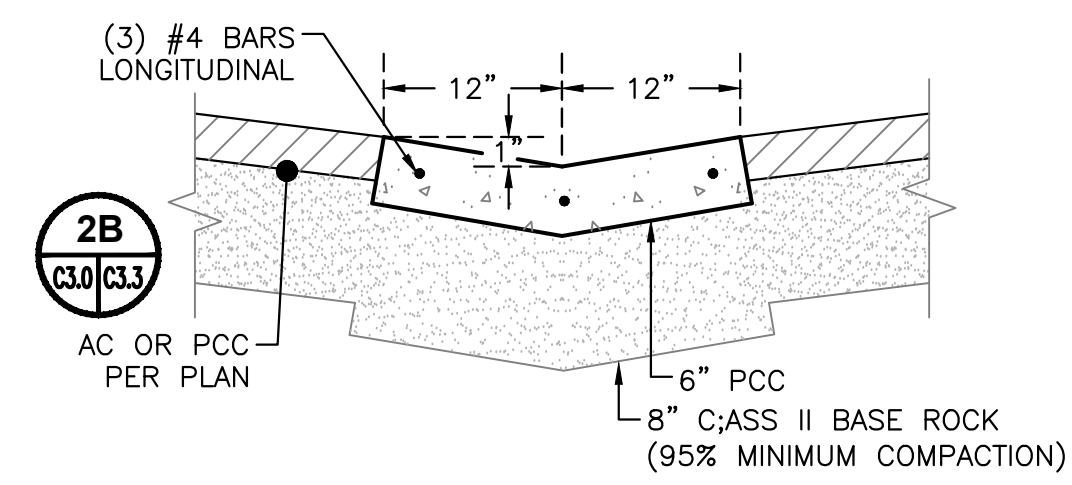
**TYP ROAD/PARKING HMA
DETAIL**
NOT TO SCALE (2B) C3.0/C3.3



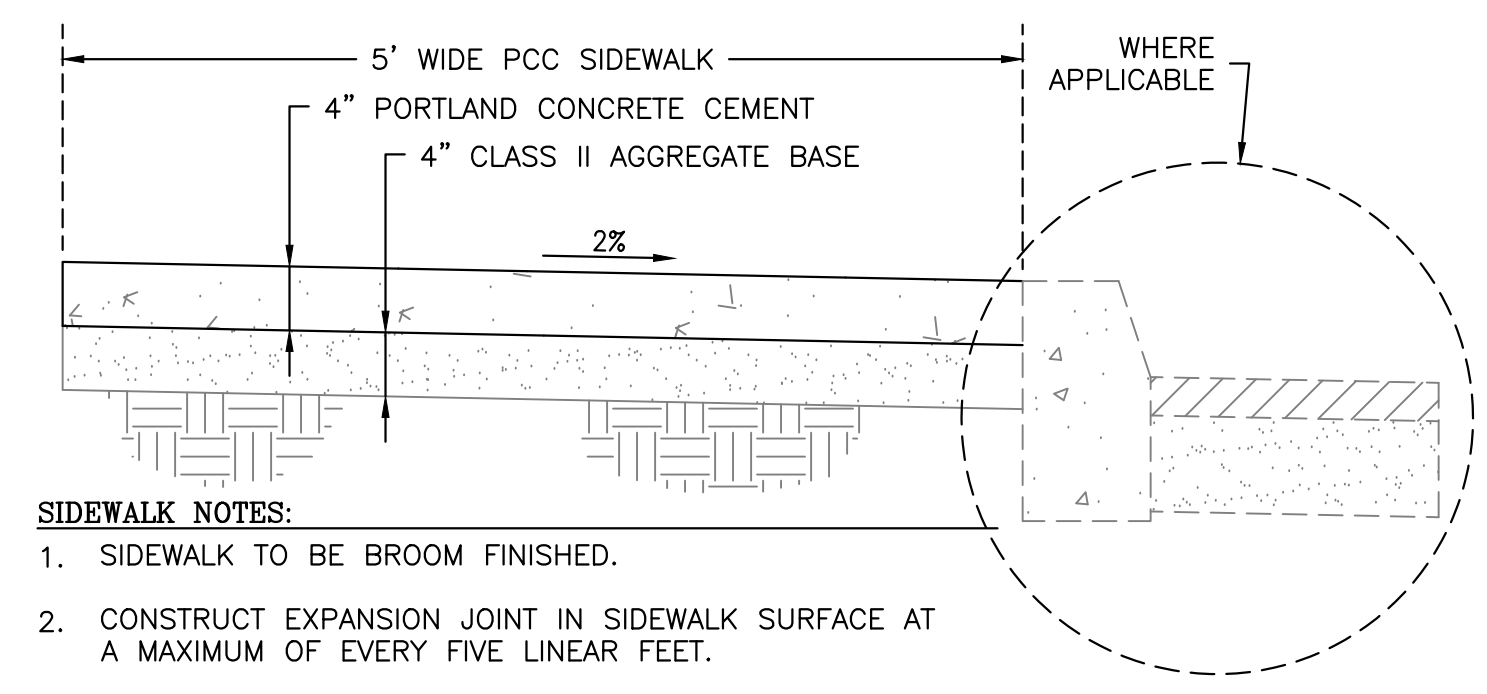
**PCC VERTICAL CURB
DETAIL**
NOT TO SCALE (3) C3.0/C3.3



**PCC VERTICAL CURB & GUTTER
DETAIL**
NOT TO SCALE (4) C3.0/C3.3



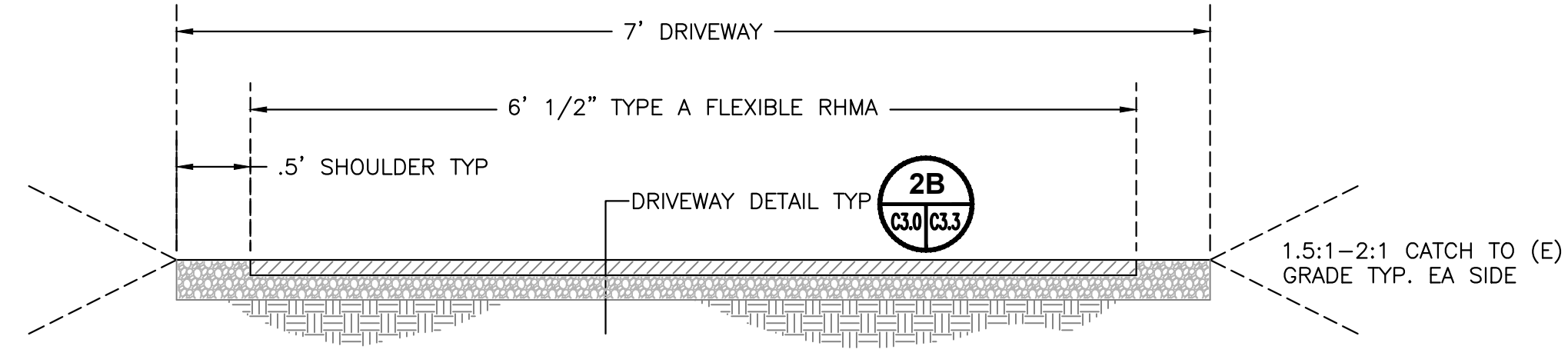
**CONCRETE VALLEY GUTTER
DETAIL**
NOT TO SCALE (5) C3.0/C3.3



**5' PCC SIDEWALK
DETAIL**
NOT TO SCALE (6) C3.0/C3.3

SIDEWALK NOTES:

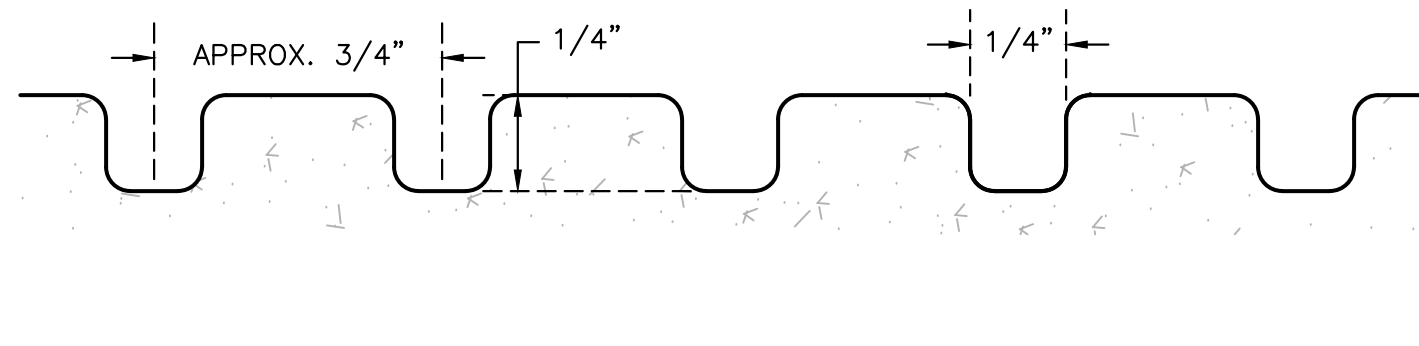
- SIDEWALK TO BE BROOM FINISHED.
- CONSTRUCT EXPANSION JOINT IN SIDEWALK SURFACE AT A MAXIMUM OF EVERY FIVE LINEAR FEET.



**DRIVEWAY TYP
DETAIL**
NOT TO SCALE (7) C3.0/C3.3

DRIVEWAY NOTES:

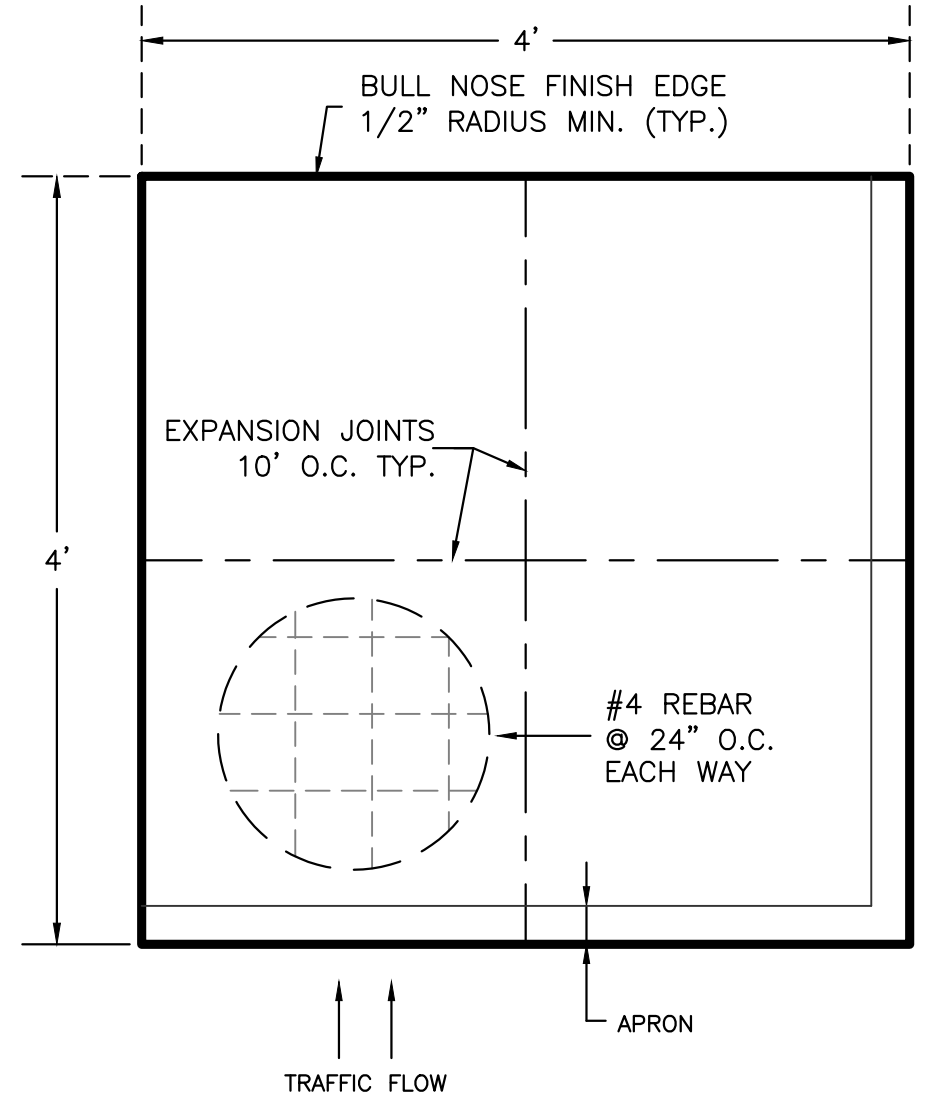
- PAVEMENT TO BE FLEXIBLE RUBBERIZED HOT MIX ASPHALT (RHMA-G) PER CALTRANS STD SPECS SECTION 39.
- AGGREGATE BASE TO BE 3/4" CLASS 2 PER CALTRANS STD SPECS SECTION 26.



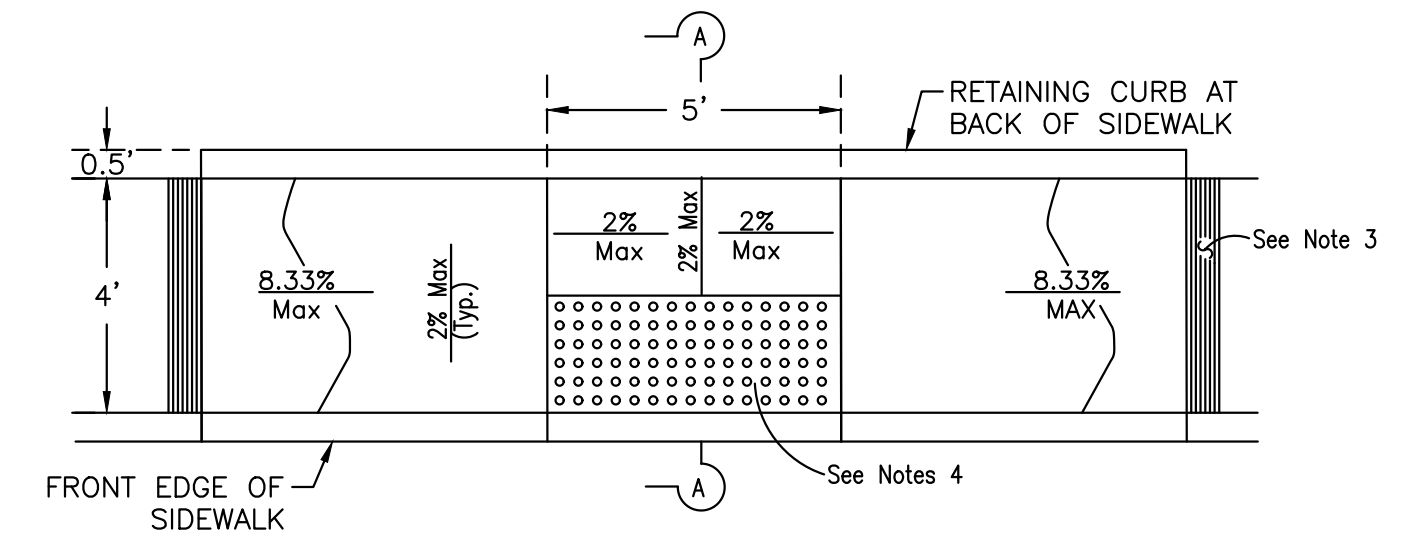
**GROOVING
DETAIL**
NOT TO SCALE (10) C3.0/C3.3

ADA CONCRETE PARKING NOTES:

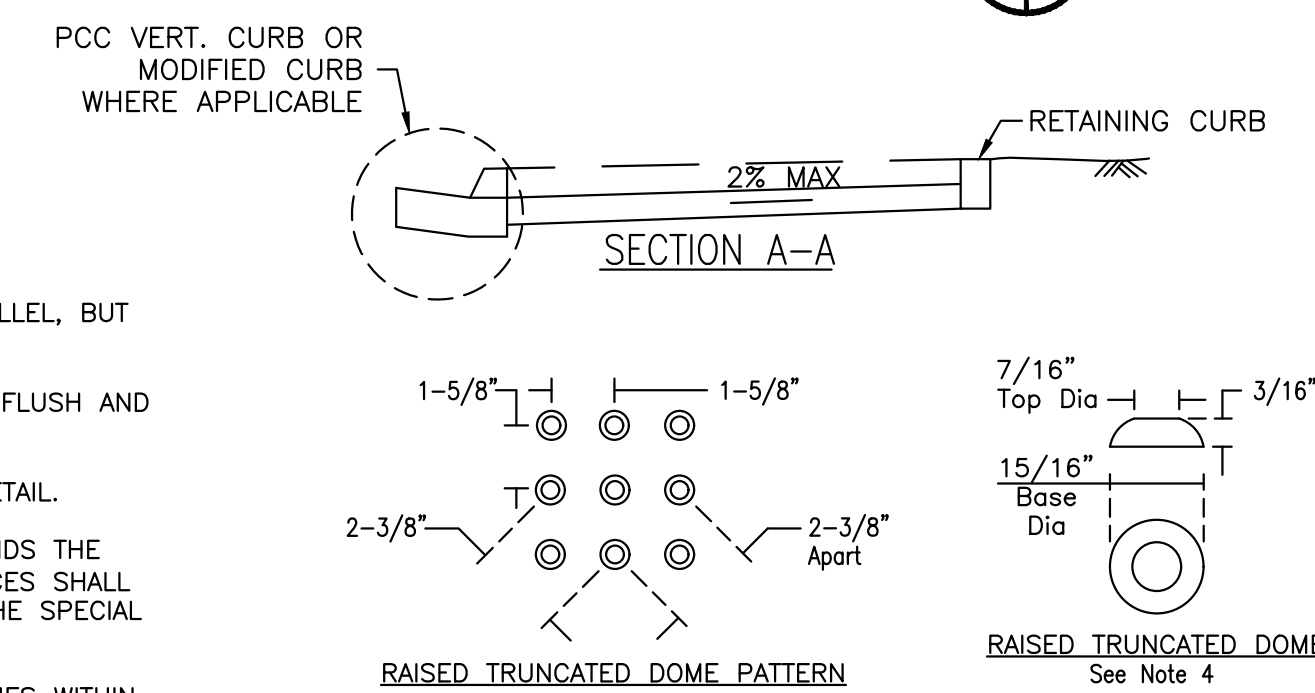
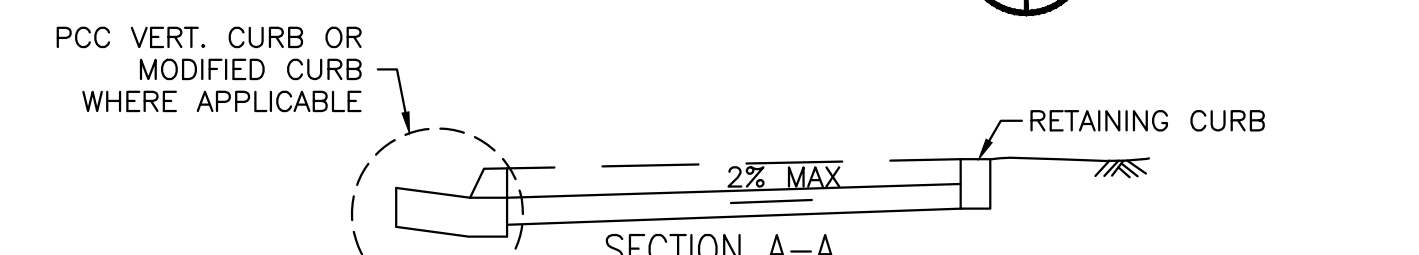
- PARKING & LOAD/UNLOAD ZONE TO BE 6" THICK P.C.C. (3,000 PSI MIN.). CONTRACTOR TO SUBMIT MIX DESIGN AND RECEIVE ACCEPTANCE APPROVAL PRIOR TO PLACEMENT.
- PLACE 6" MIN. THICK CLASS 2, 3/4" A.B. UNDER PAD. 95% MIN. COMPACTION.
- REBAR TO BE EMBEDDED 3" MIN. FROM EDGES.
- CONCRETE TO BE BROOM FINISHED.
- CONSTRUCT EXPANSION JOINTS IN CONCRETE SURFACE AS INDICATED.
- EXPANSION JOINTS TO BE WET SET OR SAWCUT.
- FILL EXPANSION JOINT WITH FLEXIBLE EPOXY SEALANT.



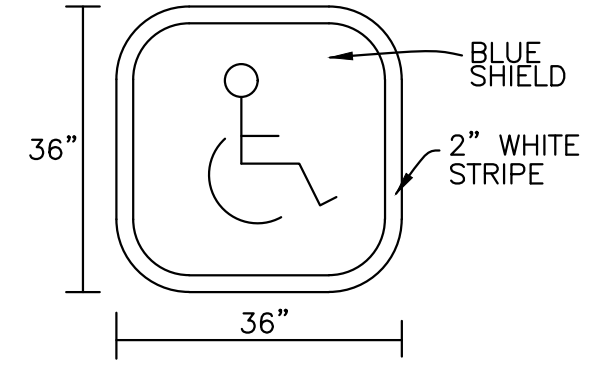
**ADA CONCRETE PARKING
DETAIL**
NOT TO SCALE (9) C3.0/C3.3



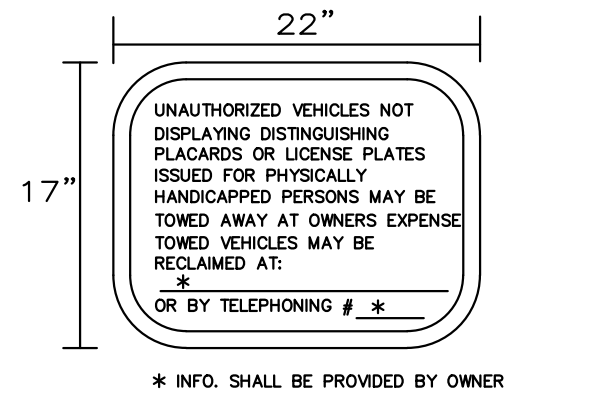
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NOT TO SCALE (11) C3.0/C3.3



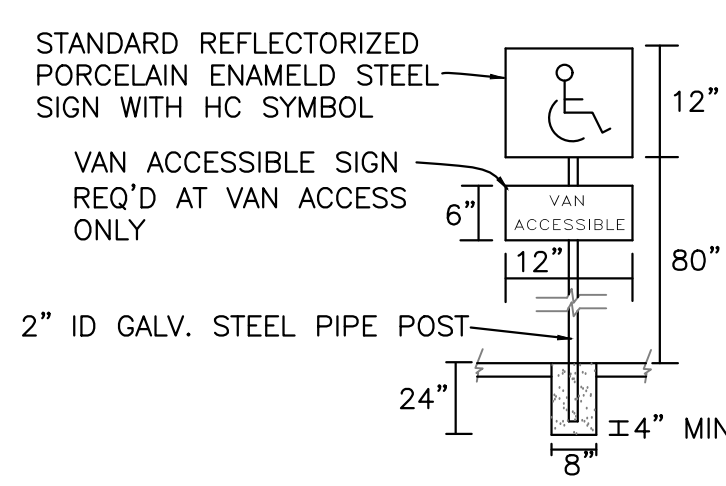
**DETECTABLE WARNING SURFACE
DETAIL**
NOT TO SCALE (12) C3.0/C3.3



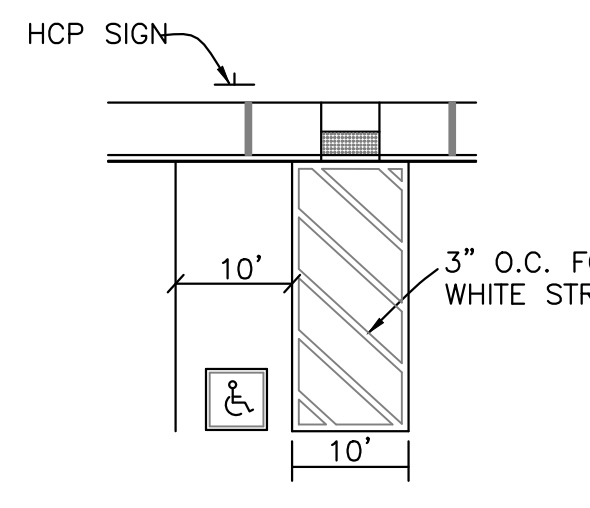
HANDICAP SYMBOL
NTS



**AUTHORIZED
VEHICLE SIGN**
NTS



HCP SIGN
NTS



**HANDICAP PARKING
SIGN**
NTS

**HANDICAP PARKING
DETAIL**
NOT TO SCALE (8) C3.0/C3.3

NO.	DESCRIPTION	DATE	REV	APP'D BY

VALADAO, ET AL
1800 TICKET ROAD
MCLELLAN, CA 94519
APN 510-361-021

GRADING DETAILS 1
HUMBOLDT, CALIFORNIA

DATE OF ISSUE:
FEB 2023

SCALE:
AS SHOWN

PROJECT NO:
873.01

DRAWING NO:
C03.2

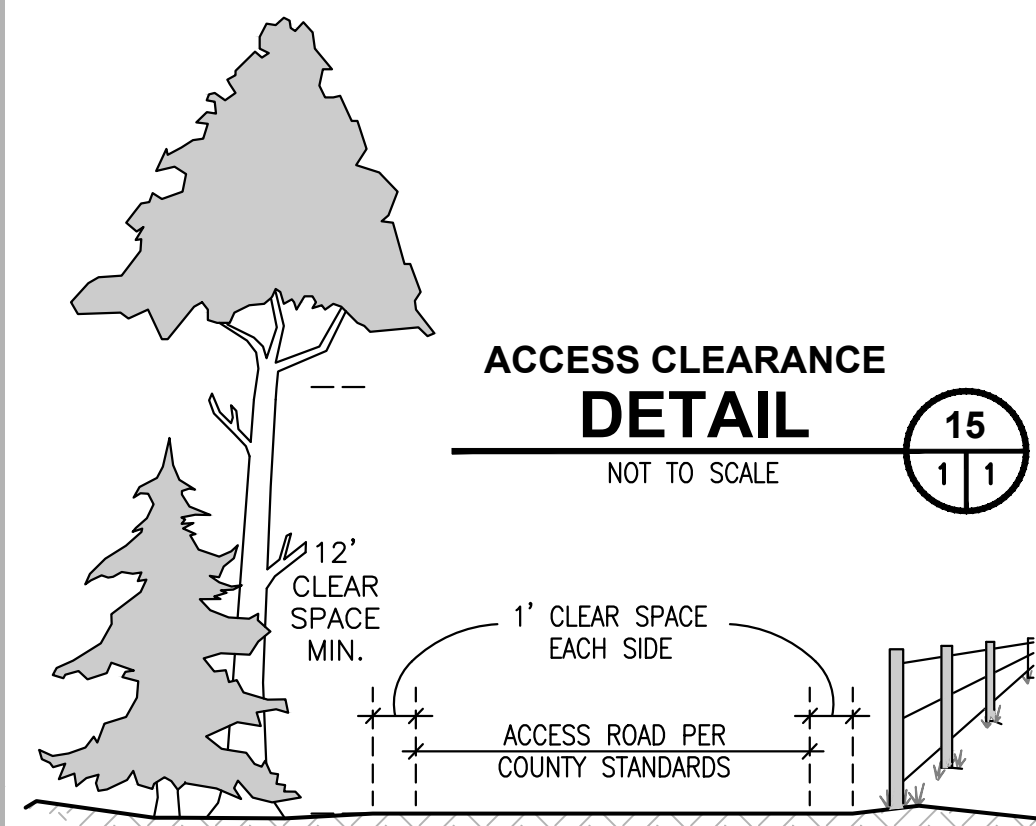
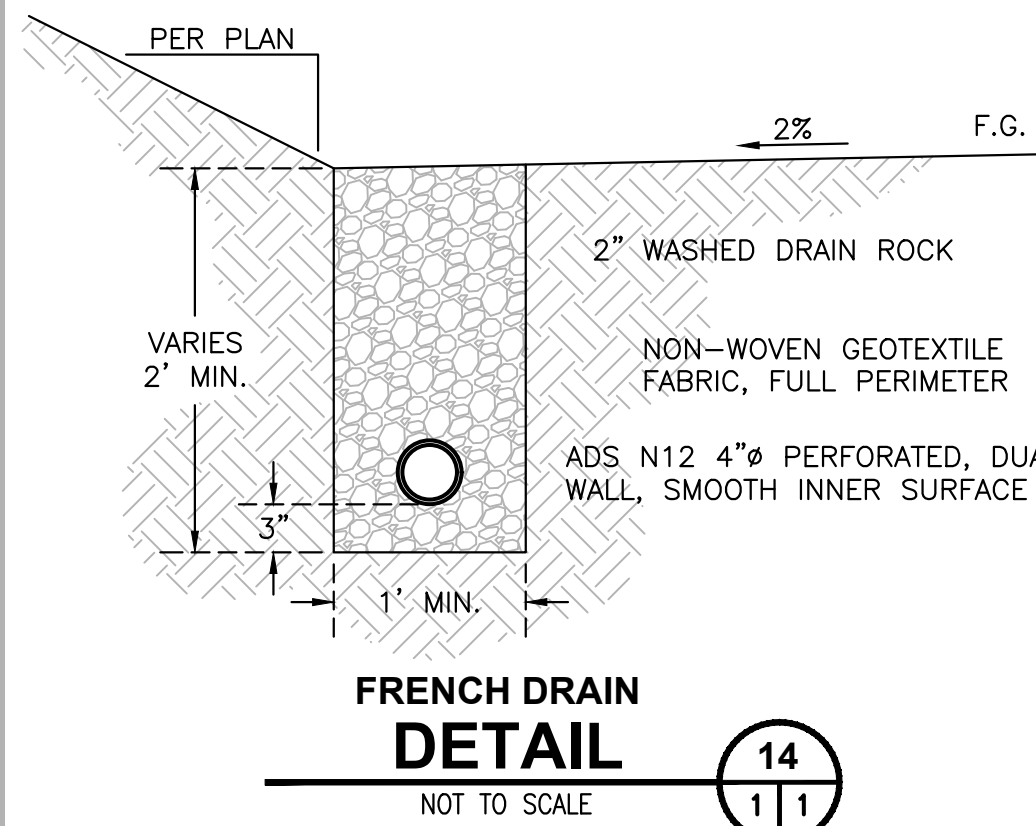
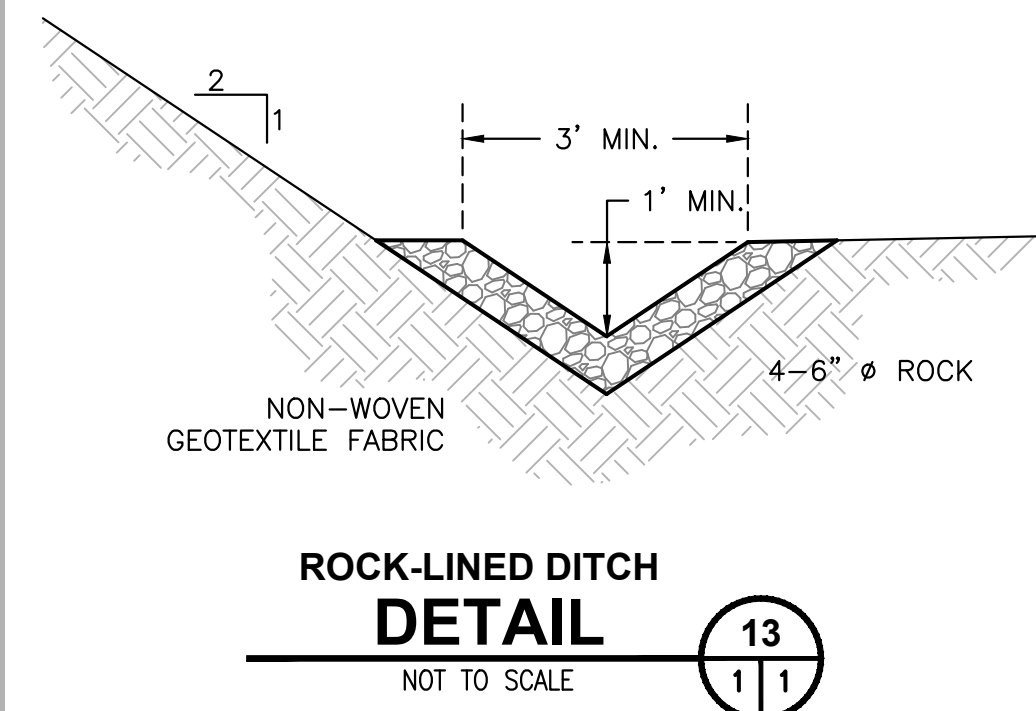
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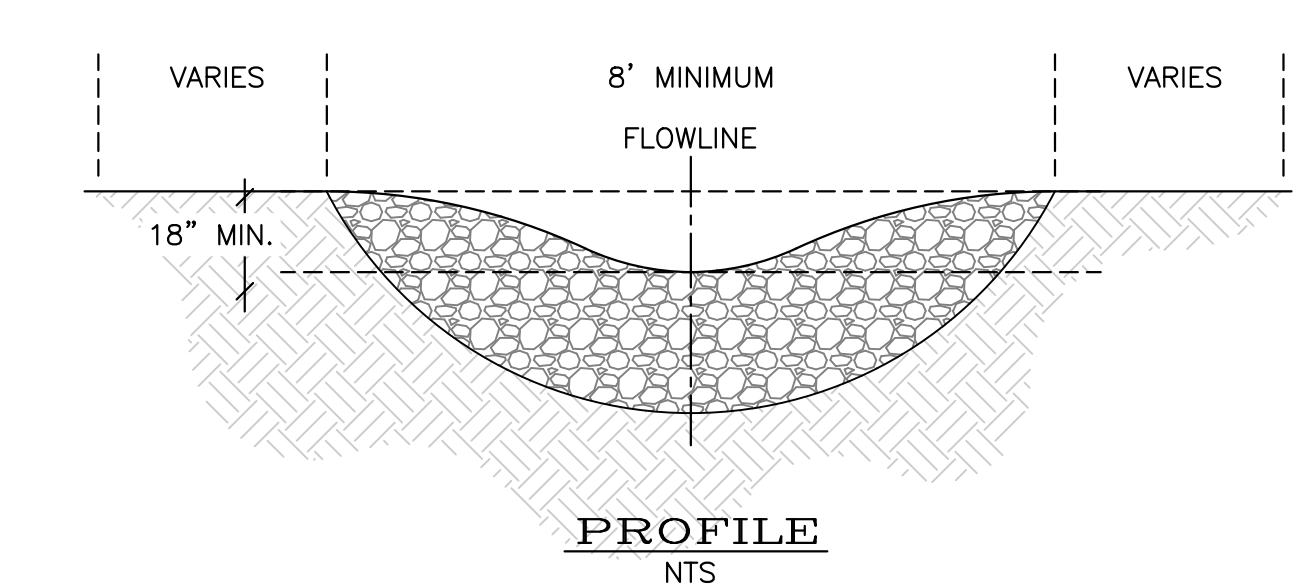
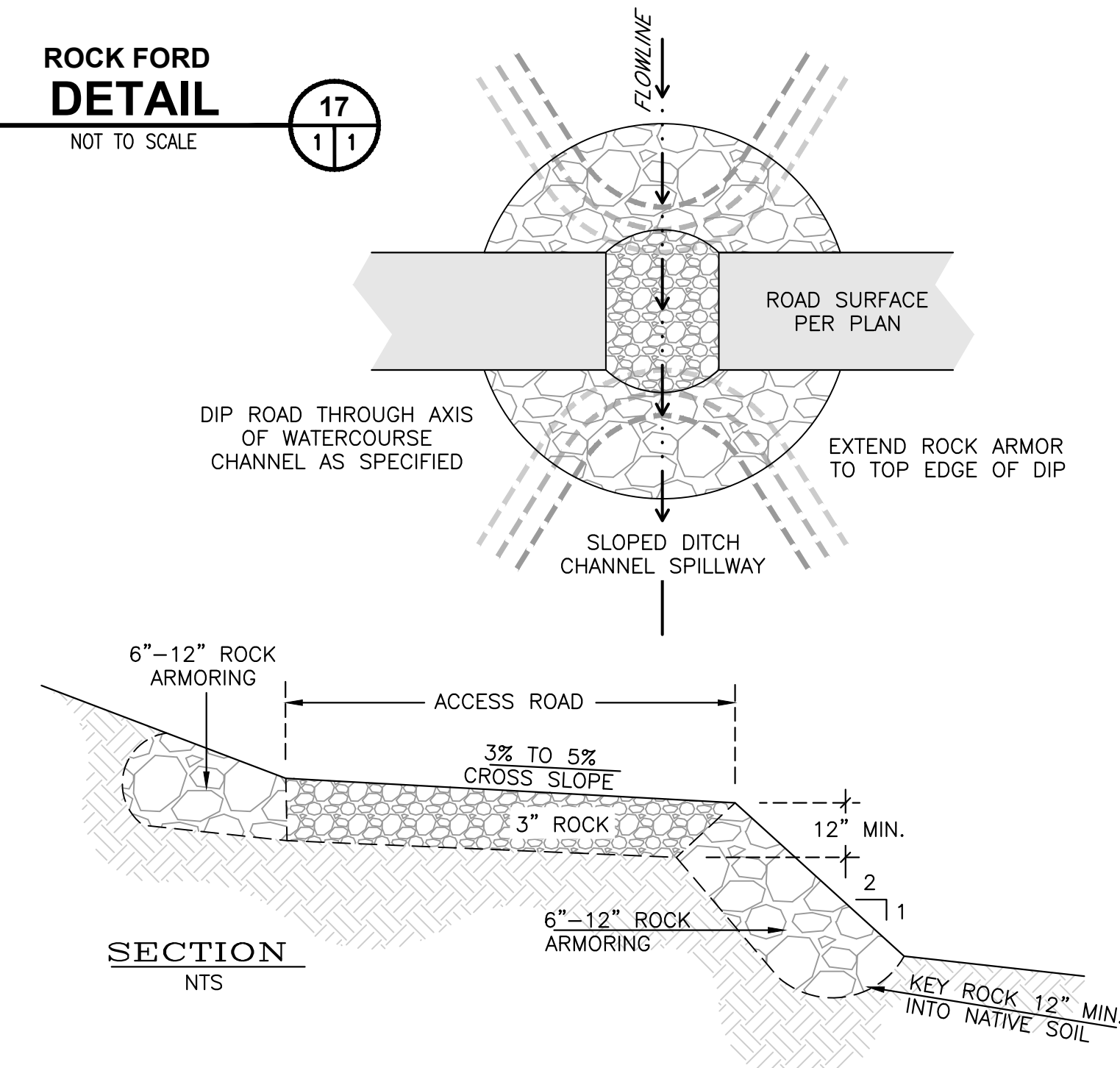
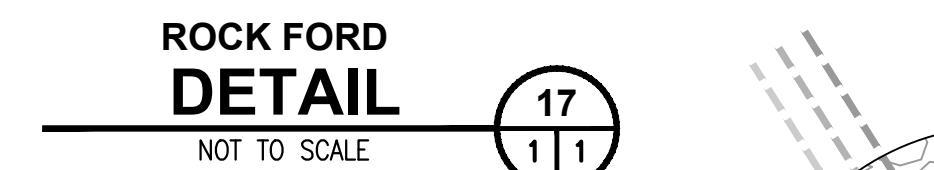
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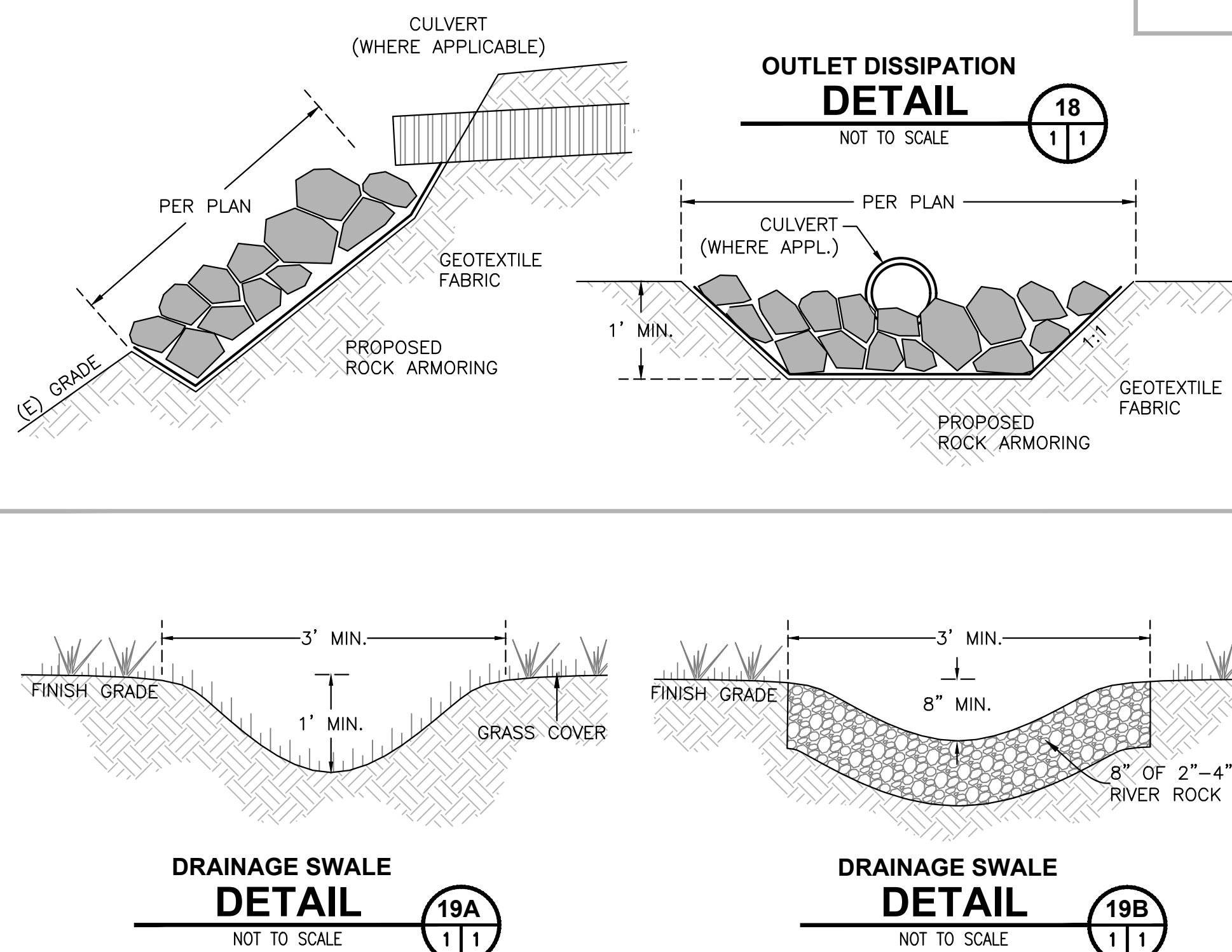
CONSTRUCTION NOTES:

- LOCATE DRAINAGE STRUCTURE WHERE THEY CAN TAKE ADVANTAGE OF NATURAL DRAINAGE FEATURES AND MINIMIZE EROSION.
- ALL DRAINAGE FEATURES SHALL BEGIN AT THE INTERSECTION OF THE ROADBED AND CUT SLOPE AND RUN ACROSS THE ENTIRE WIDTH OF THE ROADBED.
- THE CROSS SLOPE OF DRAINAGE FEATURES SHALL BE A MINIMUM 3%-5% GRADE.
- DRAINAGE FEATURES SHALL BE SURFACED WITH 4" OF 1-1/2" ROAD BASE.
- ALL DRAINAGE FEATURES SHALL HAVE FREE FLOWING OUTLETS.
- PROVIDE 1/4 TON RIP RAP ARMORING AT OUTLETS.

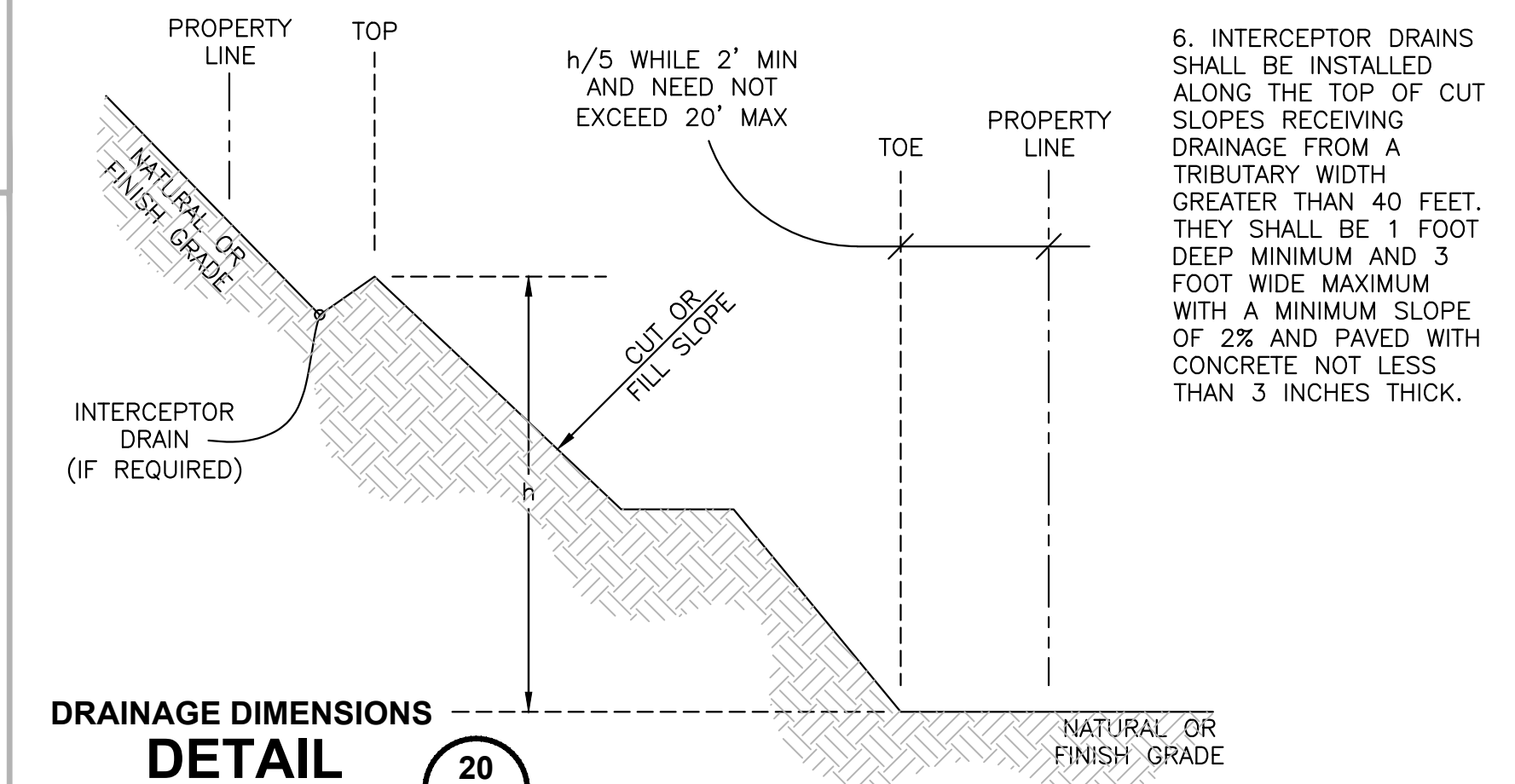


ROCKED FORD NOTES:

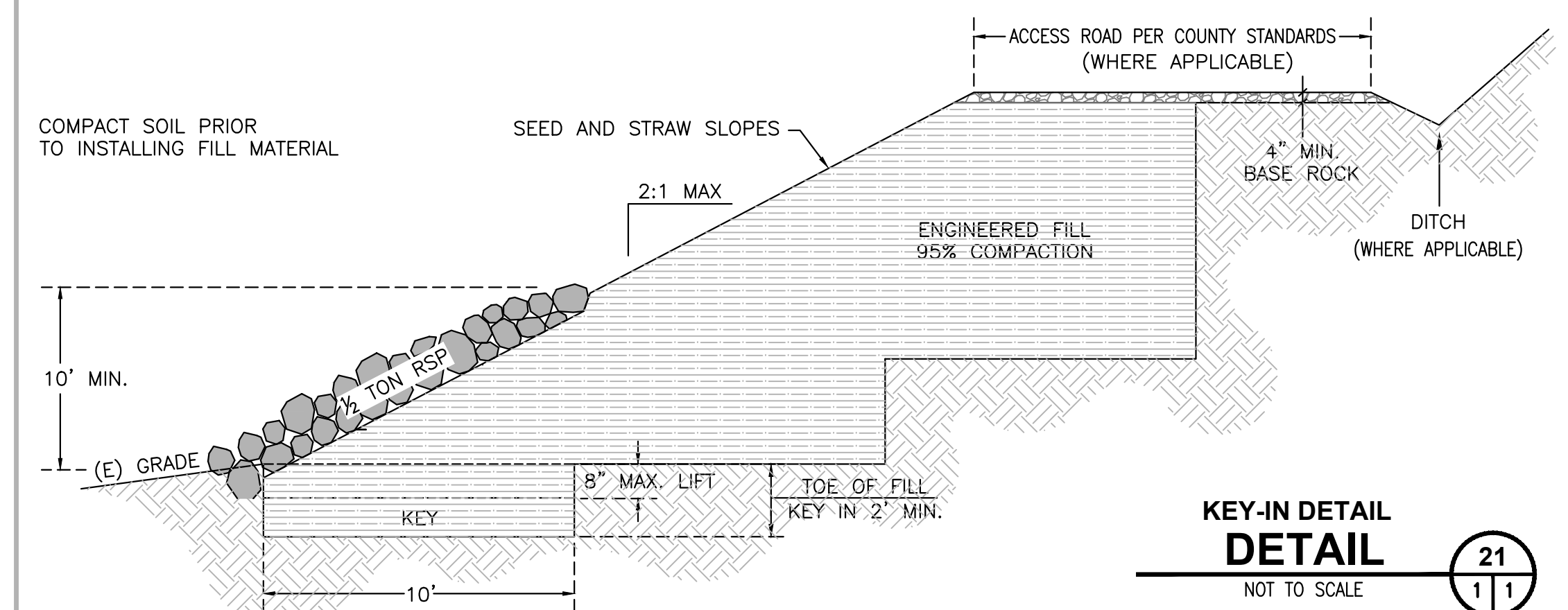
- ROCKED FORDS ARE DRAINAGE STRUCTURES DESIGNED TO CARRY WATER ACROSS ROADS.
- THE ROAD SHALL DIP INTO AND OUT OF THE ROCKED FORD TO MINIMIZE DIVERSION POTENTIAL.
- THE CROSSING SHALL BE CONSTRUCTED WITH CLEAN, NATIVE ROCK THAT IS LARGE ENOUGH TO REMAIN IN PLACE DURING 100 YEAR PEAK FLOWS. ROCK SIZE SHALL VARY RELATIVE TO THE SIZE OF THE WATERCOURSE, HOWEVER, CROSSINGS SHALL USE A MINIMUM 3" ROCK SIZE.
- THE CROSSING'S INLET AND OUTLET SHALL BE ARMORED TO RESIST DOWNCUTTING AND EROSION.
- THE ENTIRE WIDTH OF THE CROSSING'S APPROACHES SHALL BE ROCK ARMORED TO A MINIMUM OF 5' FROM THE WATERCOURSE TRANSITION LINE AT EITHER SIDE OF THE CROSSING.
- INSTALL A ROCK FORD KEYWAY AT THE BASE OF THE CROSSING TO A DEPTH NO LESS THAN 2 FEET.



- CUT AND FILL SLOPES SHALL BE SET BACK FROM THE PROPERTY LINES AS SHOWN HEREIN.
- THE SETBACK AT THE TOP OF A CUT SLOPE SHALL NOT BE LESS THAN THAT SHOWN OR THAN IS REQUIRED TO ACCOMMODATE ANY REQUIRED INTERCEPTOR DRAINS, WHICHEVER IS GREATER.
- TERRACES NOT LESS THAN 6 FEET IN WIDTH SHALL BE ESTABLISHED AT NOT MORE THAN 30-FOOT VERTICAL INTERVALS ON ALL CUT AND FILL SLOPES TO CONTROL SURFACE DRAINAGE AND DEBRIS. SUITABLE ACCESS SHALL BE PROVIDED TO ALLOW FOR CLEANING AND MAINTENANCE.
- WHERE MORE THAN TWO TERRACES ARE REQUIRED, ONE TERRACE, LOCATED AT APPROXIMATELY MID-HEIGHT, SHALL BE NOT LESS THAN 12 FEET IN WIDTH.
- SWALES SHALL BE PROVIDED ON TERRACES WITH A MINIMUM SLOPE OF 5% AND SHALL BE PAVED WITH CONCRETE NOT LESS THAN 3 INCHES IN THICKNESS, OR ENGINEER APPROVED SUBSTITUTE. THEY SHALL HAVE A DEPTH OF NOT LESS THAN 12 INCHES AND A WIDTH OF NOT LESS THAN 5 FEET.



WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN 5:1 (h:v) AND A DEPTH OF THE FILL EXCEEDS 5 FEET, BENCHING SHALL BE PROVIDED. A KEY SHALL BE PROVIDED THAT IS NOT LESS THAN 10 FEET IN WIDTH AND 2 FEET IN DEPTH.



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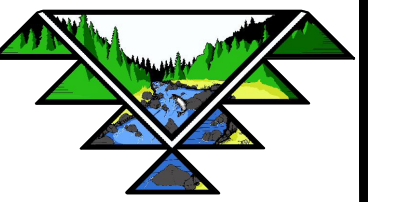
REGISTERED PROFESSIONAL ENGINEER
TRINITY VALLEY CONSULTING ENGINEERS, INC.
CIVIL
STATE OF CALIFORNIA
00687
125882

NO.	DATE	REV.	DESCRIPTION	DWN BY	ISS BY	APP BY

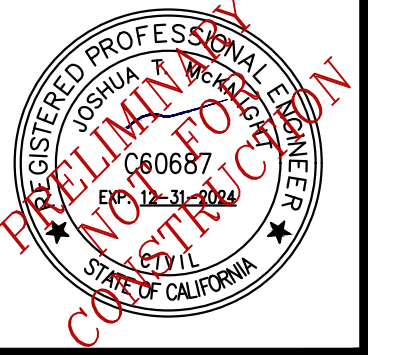
VALADAO, ET AL
1820 BLACKBERRY ROAD
MCCLUREVILLE, CA 95219
APR 510-381-021
HUMBOLDT, CALIFORNIA

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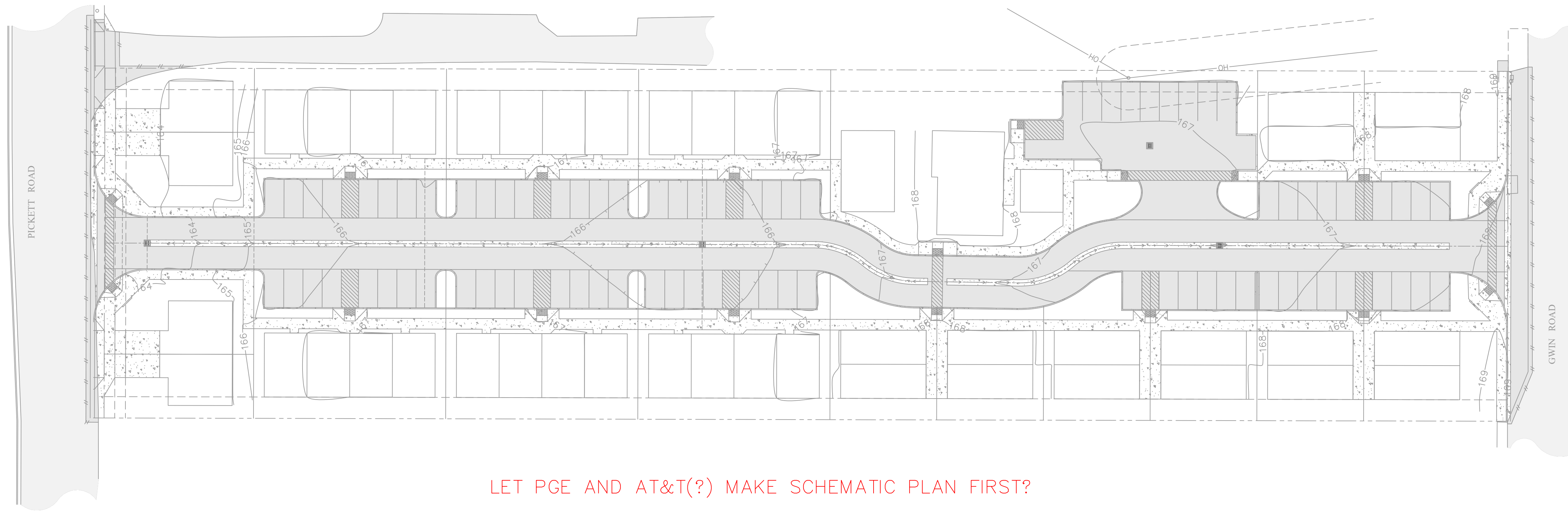
TVCE



67 WALNUT WAY
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PLAN VIEW
 SCALE: 1" = 30'



LET PGE AND AT&T(?) MAKE SCHEMATIC PLAN FIRST?

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

VALADAO, ET AL
 1820 PICKETT ROAD
 MC DONALD, CA 95519
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ELECTRIC AND TELECOM PLAN

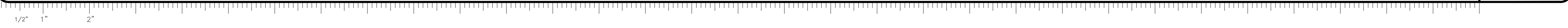
HUMBOLDT, CALIFORNIA

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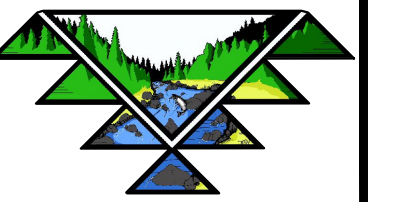
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PROJECT NO:
 873.01

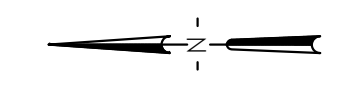
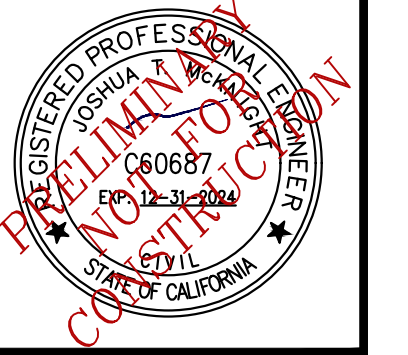
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TVCE

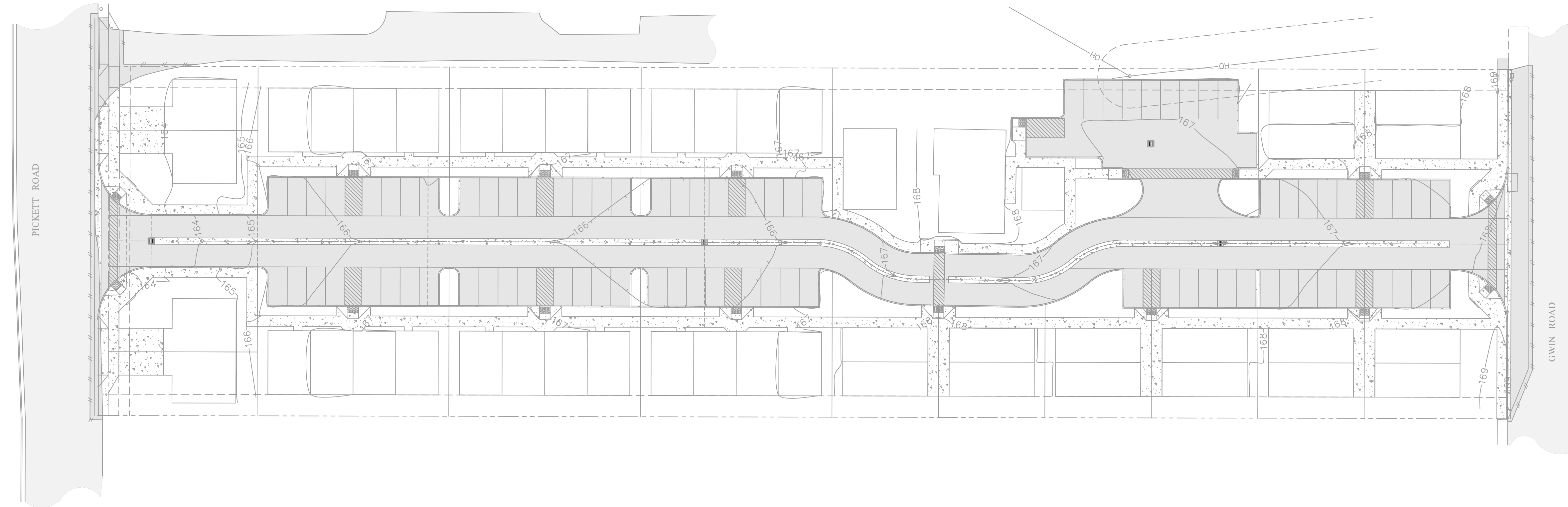


67 WALNUT WAY
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 WILLOW CREEK, CA 95573
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PLAN VIEW

SCALE: 1" = 30'



REV	DATE	DESCRIPTION	DNW BY	DES BY	CHK BY	APP BY

VALADAO, ET AL
 1820 PICKETT ROAD
 MCLELLAN, CA 95519
 APN 510-381-021

WATER PLAN

HUMBOLDT, CALIFORNIA

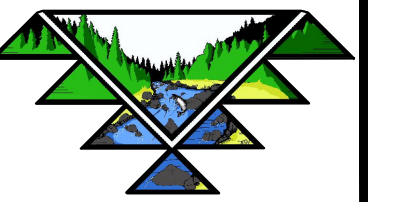
DATE OF ISSUE:
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SCALE:
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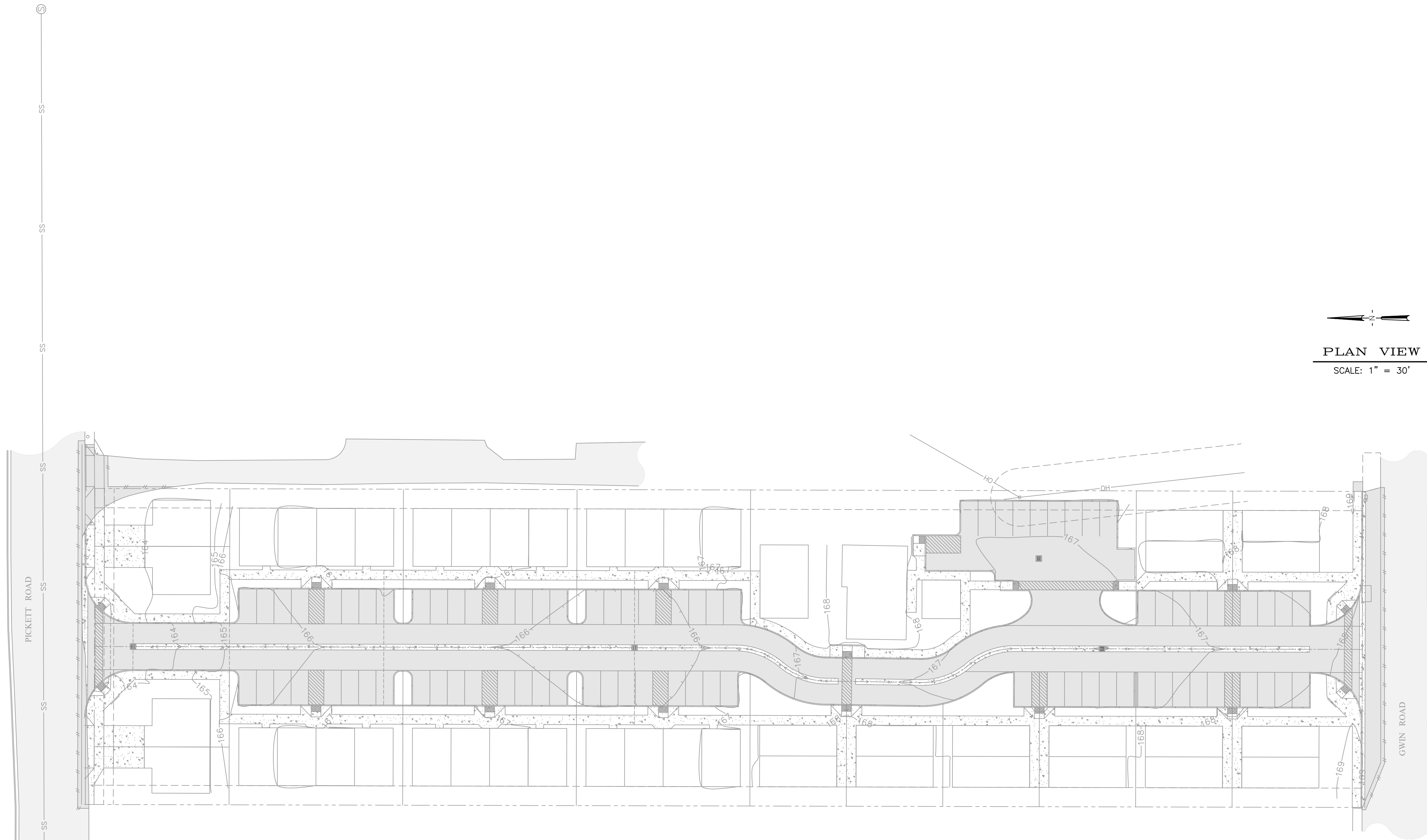
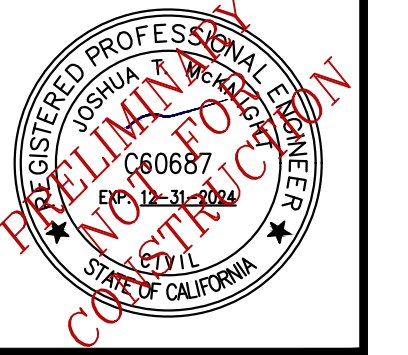
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PLAN VIEW
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NEED EXISTING SEWER INVERTS TO MOVE FORWARD

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SANITARY SEWER PLAN

HUMBOLDT, CALIFORNIA

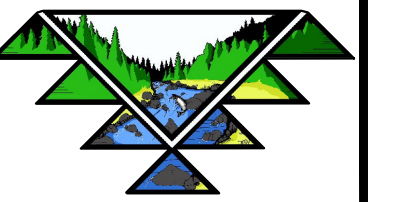
DATE OF ISSUE:
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SCALE:
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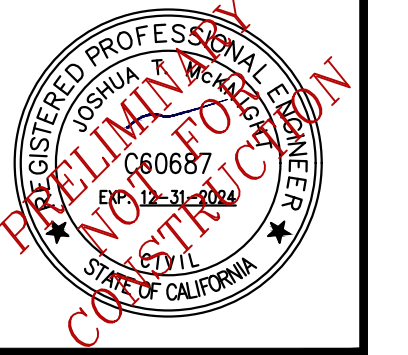
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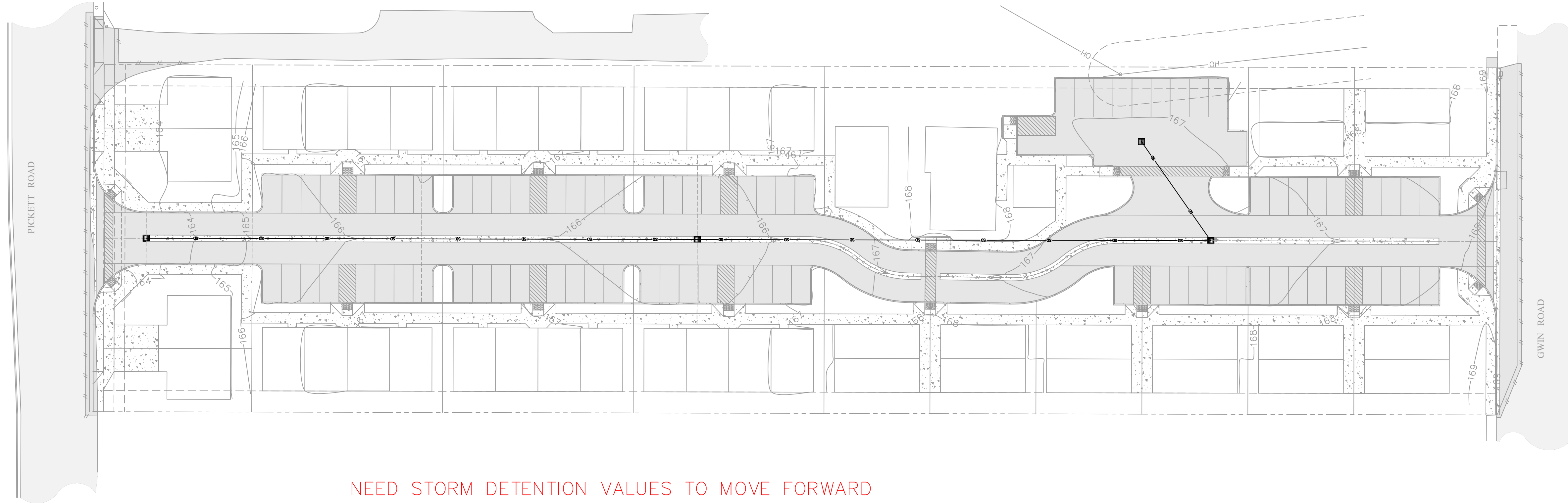
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PO BOX 1587
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PLAN VIEW
SCALE: 1" = 30'



NEED STORM DETENTION VALUES TO MOVE FORWARD

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APN 510-381-021

STORM WATER PLAN

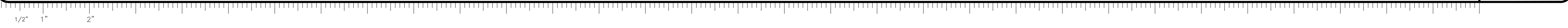
HUMBOLDT, CALIFORNIA

DATE OF ISSUE:
FEB 2023

SCALE:
1" = 30'

PROJECT NO:
873.01

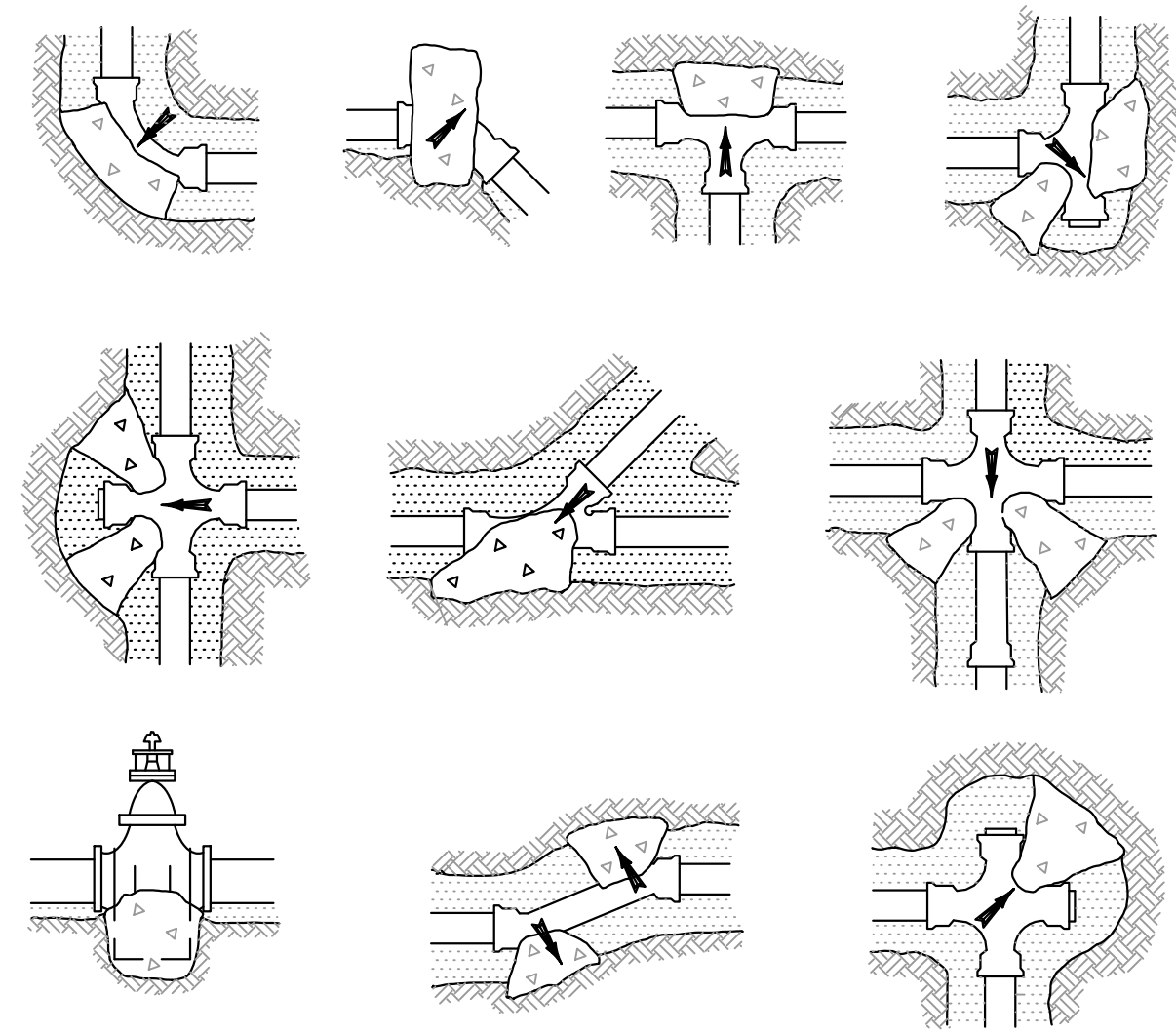
DRAWING NO:
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TVCE

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 PO BOX 1567
 WILLOW CREEK, CA 95753
 P:(530)629-3000
 F:(530)629-3011

REGISTERED PROFESSIONAL ENGINEER
 TRINITY VALLEY CONSULTING ENGINEERS, INC.
 CIVIL ENGINEERING
 STATE OF CALIFORNIA
 No. 60687
 EXPIRES 12/31/2024



15 LOCATION OF THRUST BLOCKS
 4.0 4.1 NTS

TABLE I
 THRUST (T) AT FITTINGS, IN POUNDS AT 100 PSI WATER PRESSURE

PIPE SIZE	TEE OR DEAD END	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
1 1/2"	284	401	217	111	56
2"	443	627	339	173	87
2 1/2"	649	918	497	253	127
3"	962	1361	736	375	189
4"	1810	2559	1385	706	355
6"	3739	5288	2862	1459	733
8"	6433	9097	4923	2510	1261
10"	9677	13685	7406	3776	1897
12"	13685	19353	10474	5340	2683
14"	18385	26001	14072	7174	3604
16"	23779	33628	18199	9278	4661

TABLE II
 SAFE BEARING LOADS (B)

SOIL	SAFE BEARING LOAD, POUNDS PER SQ. FT.
SOUND SHALE	10000
CEMENTED SAND AND GRAVEL	4000
COARSE AND FINE COMPACTED SAND	3000
MEDIUM CLAY (CAN BE SPADED)	2000
SOFT CLAY	1000
MUCK	0

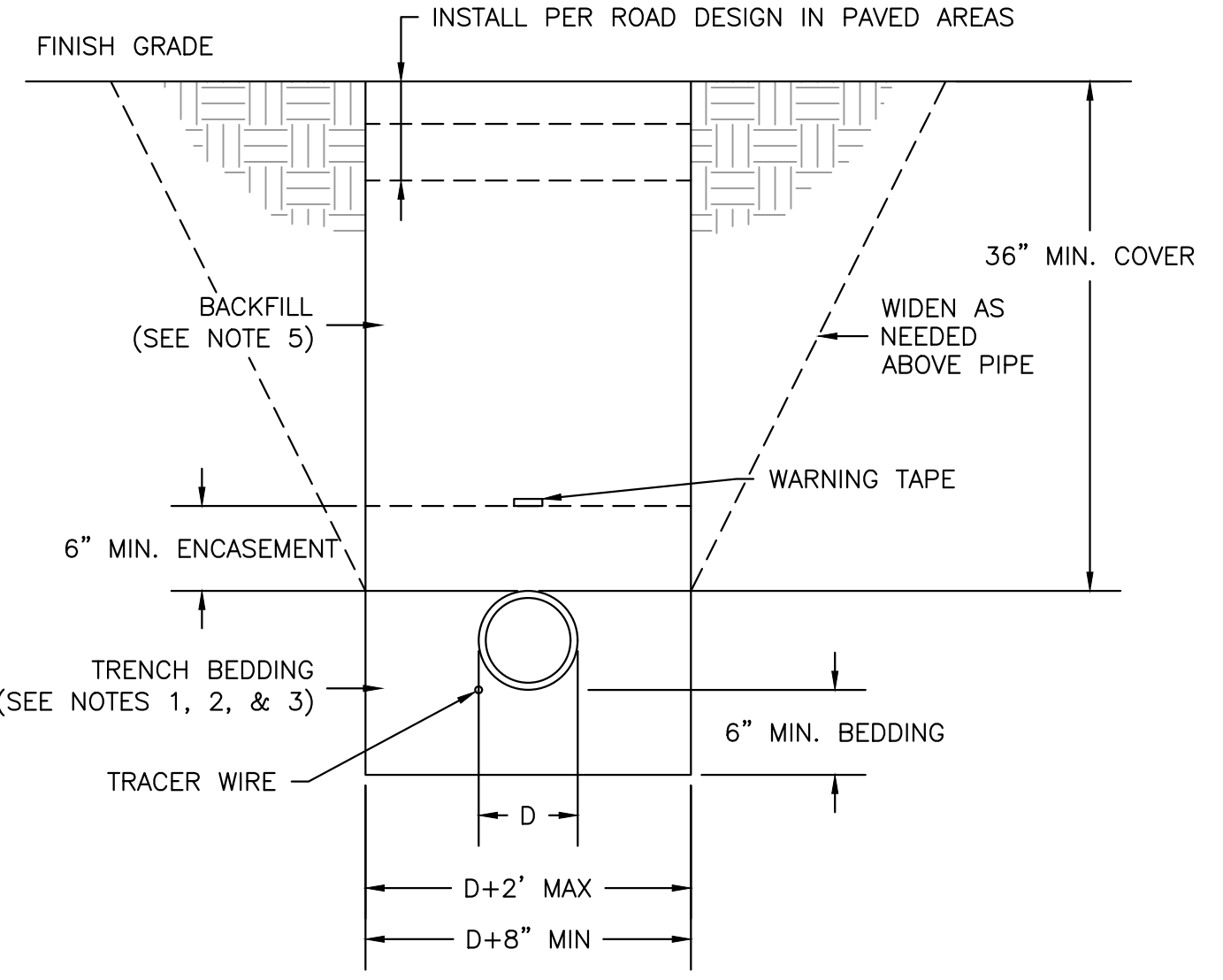
$A_{SB} = \frac{T}{B} \times \frac{P.T.}{100}$

WHERE:
 A_{SB} = AREA OF BLOCK BEARING AGAINST UNDISTURBED TRENCH MATERIAL IN SQ. FT.
 T = THRUST FACTOR FROM TABLE I IN POUNDS AT 100 PSI
 B = SAFE BEARING LOAD FROM TABLE II IN POUNDS/SQ. FT.
 P.T. = PRESSURE USED FOR PIPELINE TEST IN PSI

16 THRUST BLOCK SIZING
 4.0 4.1 NOT TO SCALE

- THRUST BLOCK NOTES:**
- THRUST BLOCKS SHALL BE CONSTRUCTED SO THAT MAJOR BEARING SURFACE IS IN DIRECT LINE WITH THE MAJOR FORCE CREATED BY THE PIPE OR FITTINGS.
 - ALL CONCRETE SHALL BE CLASS 470-C-2500 PER "GREENBOOK".
 - CONCRETE SHALL BE FLUID ENOUGH SO THAT IT MAY BE WORKED AROUND THE FITTINGS. A DOUBLE LAYER OF 6 MIL POLYETHYLENE FILM SHALL BE PLACED BETWEEN CONCRETE AND METAL FITTINGS.
 - CONCRETE SHALL BE KEPT BEHIND THE BELL OF THE FITTINGS.
 - ALL THRUST BLOCKS FOR PIPES LARGER THAN 12" SHALL BE ENGINEERED.
 - A CONCRETE PAD SHALL BE PLACED UNDER ALL VALVES 12" AND LARGER FOR SUPPORT.
 - ALL ANCHOR BLOCKS SHALL BE CONSTRUCTED WITH A MINIMUM OF (2) #4 REBAR STRAPS.

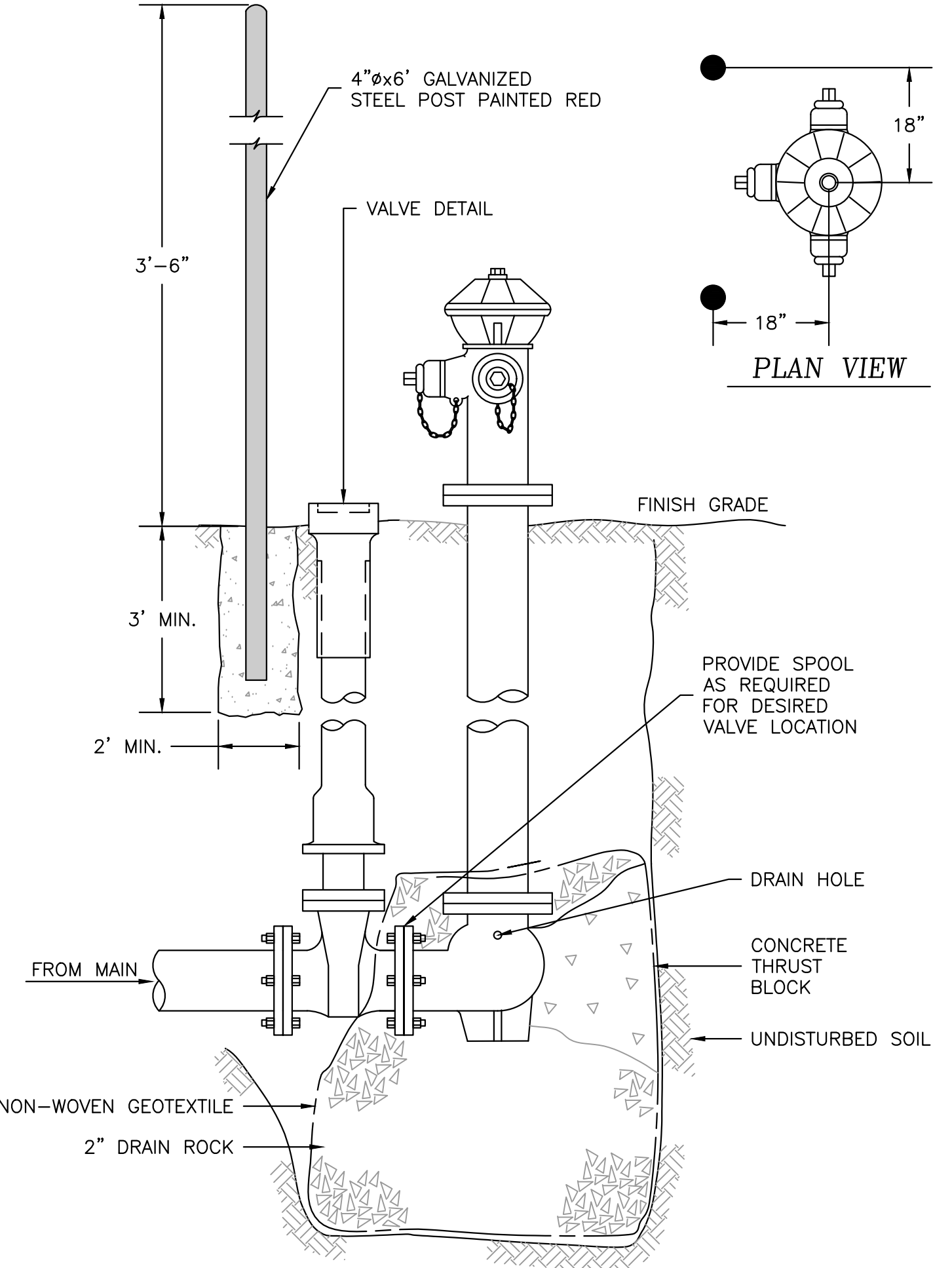
17 THRUST BLOCK DETAIL
 4.0 4.1 NTS



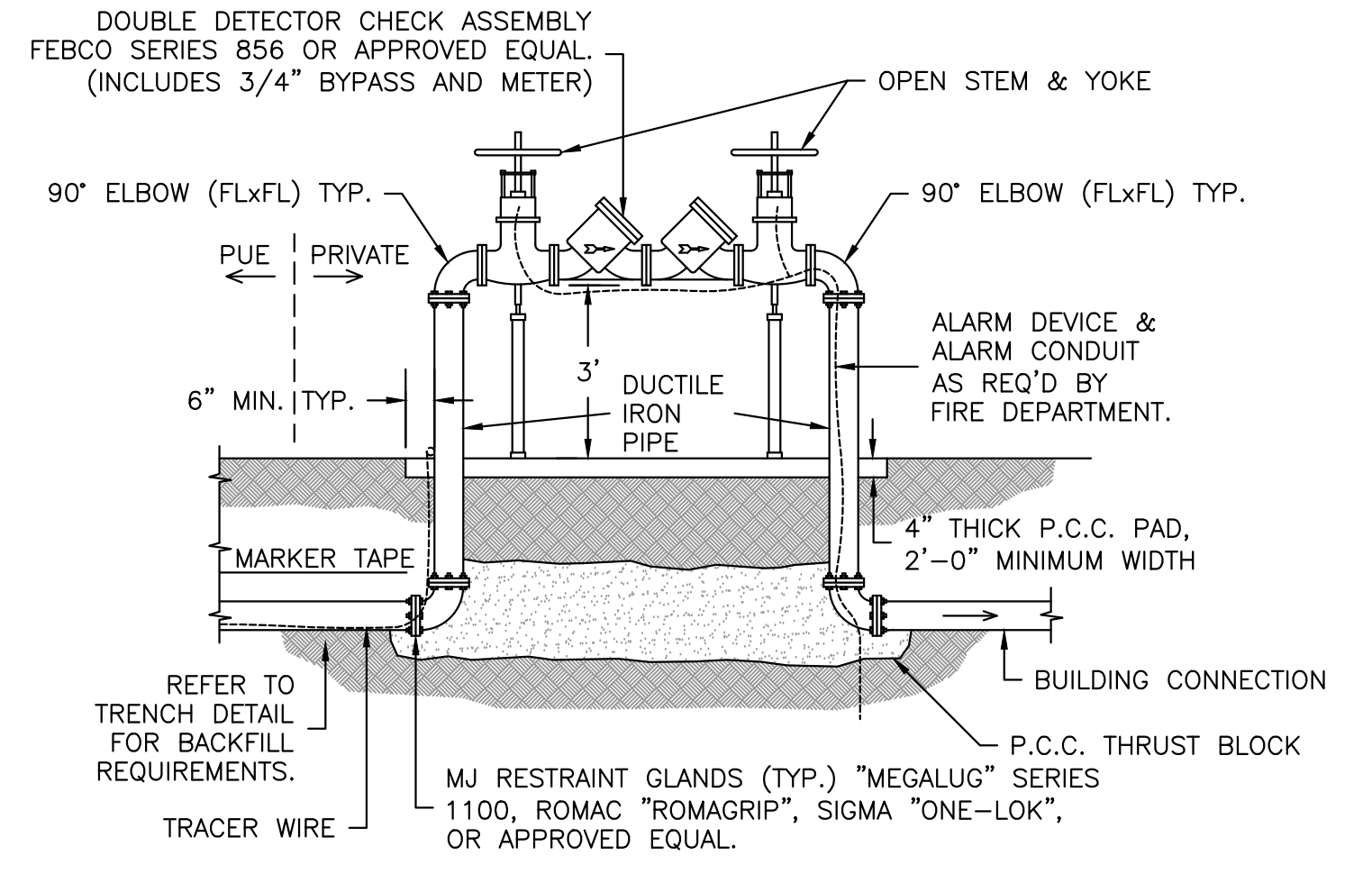
18 PIPE TRENCH NOTES:

- ALL TRENCHING WORK TO BE IN STRICT COMPLIANCE WITH 29 CFR 1926 PART P.
- BACKFILL BY HAND, COMPACT OR CONSOLIDATE TO PROVIDE SOLID BEDDING UNDER AND AROUND PIPE.
- BEDDING MATERIAL SHALL BE SAND OR CRUSHED ROCK AND SHALL HAVE A MAXIMUM SIZE OF 3/4" AND BE REASONABLY GRADED FROM COARSE TO FINE WITH A MINIMUM SAND EQUIVALENT OF 28.
- IMPORT GRAVEL BACKFILL SHALL BE STREAM GRAVEL OR CRUSHED ROCK AND BE REASONABLY WELL GRADED FROM COARSE TO FINE WITH A MAXIMUM SIZE OF 1-1/2" AND A MINIMUM SAND EQUIVALENT GREATER THAN 28.
- JETTING WILL NOT BE ALLOWED.
- IN ROAD CROSSINGS BACKFILL ABOVE PIPE SHALL BE 3/4" MINUS CLASS 2 AGGREGATE BASE. BASE CONSOLIDATION SHALL BE 95% RELATIVE COMPACTION PER ASTM 2922. A 2-SACK CONCRETE SLURRY MAY BE USED IN PLACE OF AB.

18 PIPE TRENCH DETAIL
 4.0 4.1 NTS



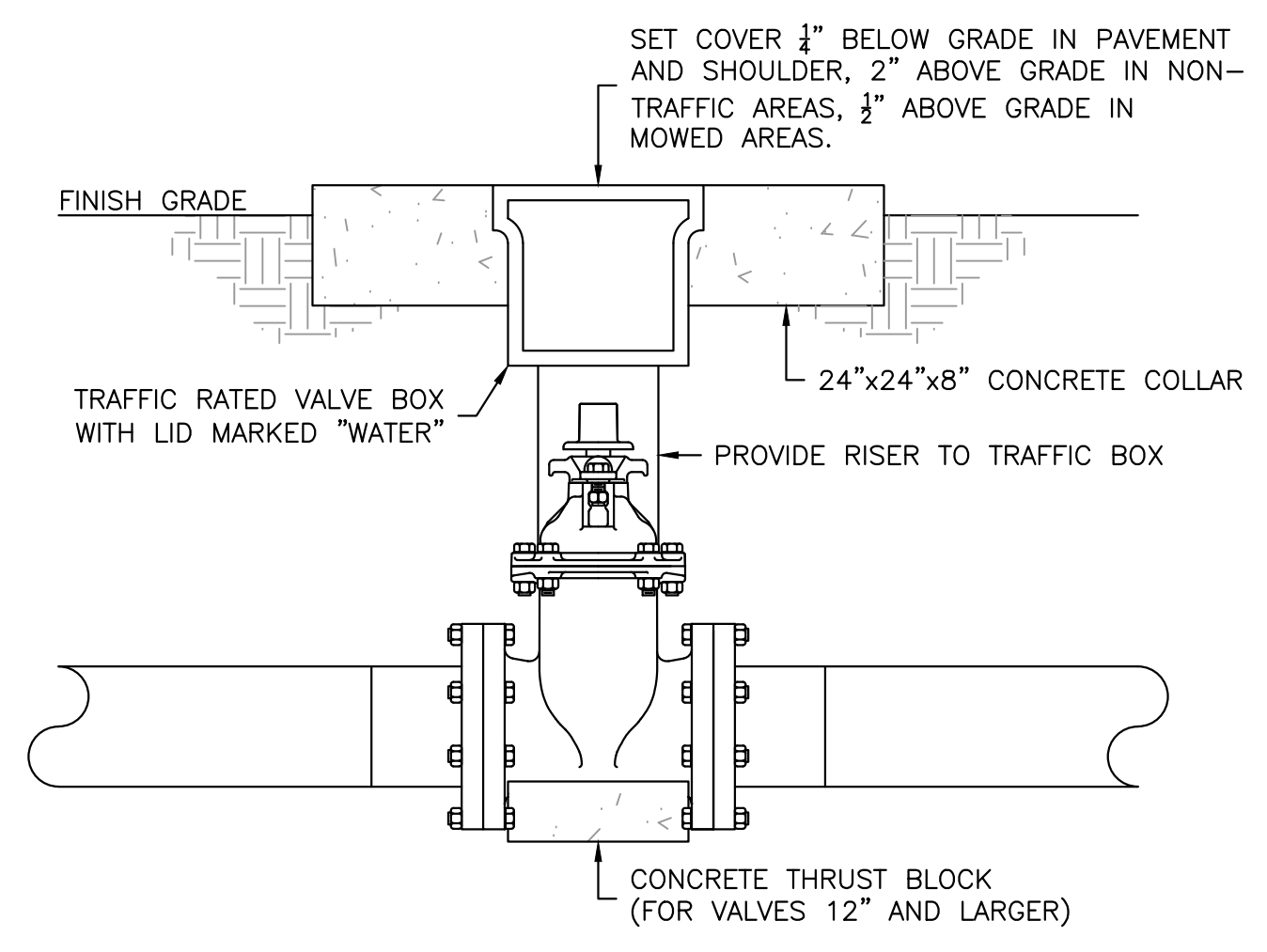
19 DRY BARREL FIRE HYDRANT DETAIL
 4.0 4.1 NTS



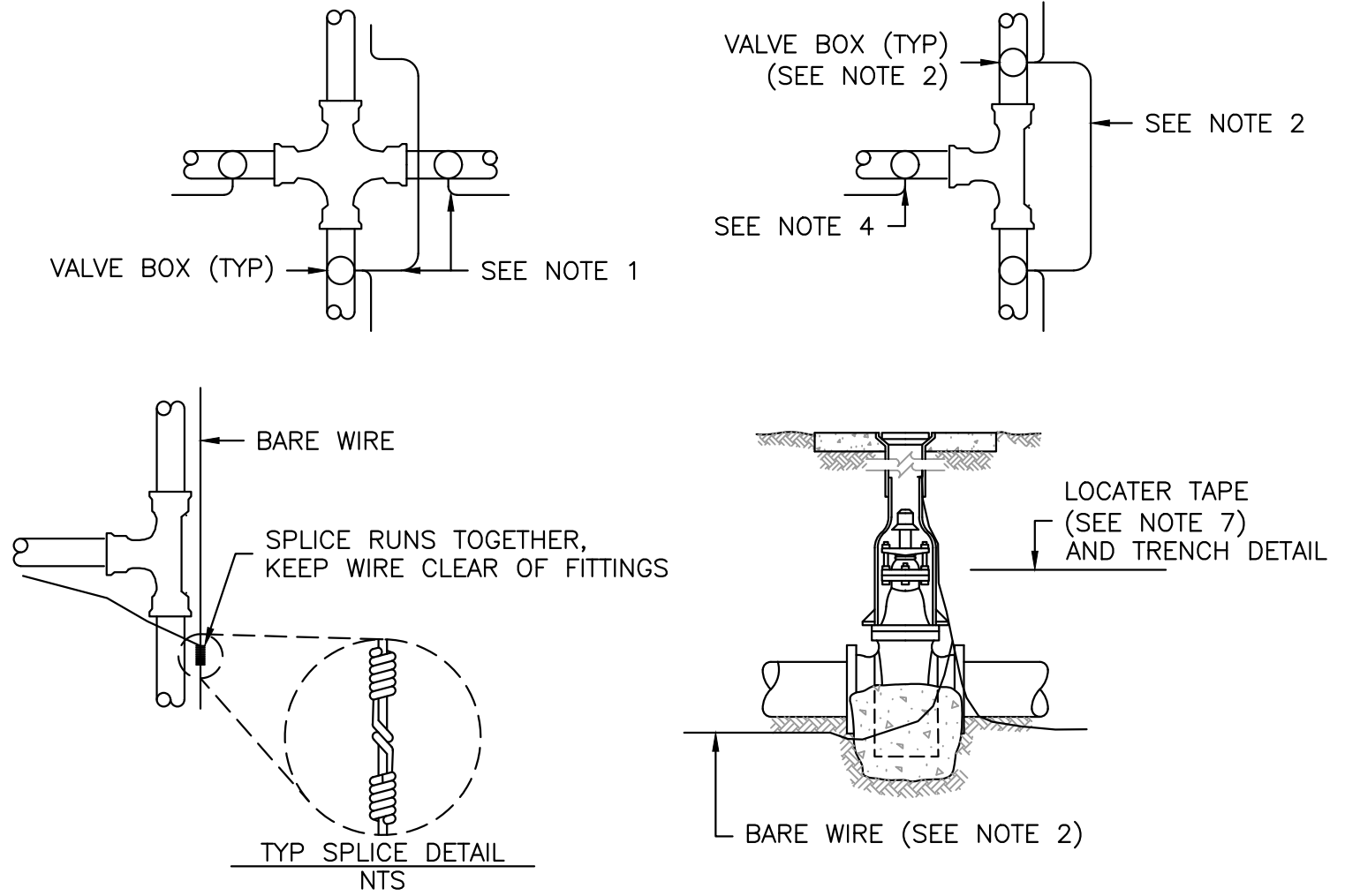
DDCA NOTES:

- THE DOUBLE DETECTOR CHECK ASSEMBLY SHALL BE REQUIRED FOR USE IN CLASS I AND CLASS II FIRE SPRINKLER SYSTEMS ONLY. CLASS I AND II AUTOMATIC FIRE SPRINKLER SYSTEMS ARE THOSE WITH DIRECT CONNECTION TO THE PUBLIC WATER MAIN ONLY; NO RESERVOIRS OR AUXILIARY SOURCES, NO ANTIFREEZE OR ADDITIVES OF ANY KIND, AND ALL SPRINKLER DRAINS DISCHARGE TO THE ATMOSPHERE OR OTHER SAFE OUTLETS (AWWA MANUAL NO. M-14).
- ASSEMBLY SHALL BE PROTECTED FROM DAMAGE BY VEHICLES AND MAY REQUIRE BOLLARDS.
- FIRE SPRINKLER SYSTEM ALARM MONITORING SHALL BE PER CURRENT STATE AND LOCAL FIRE CODES.

20 DOUBLE DETECTOR CHECK VALVE
 4.0 4.1 NTS



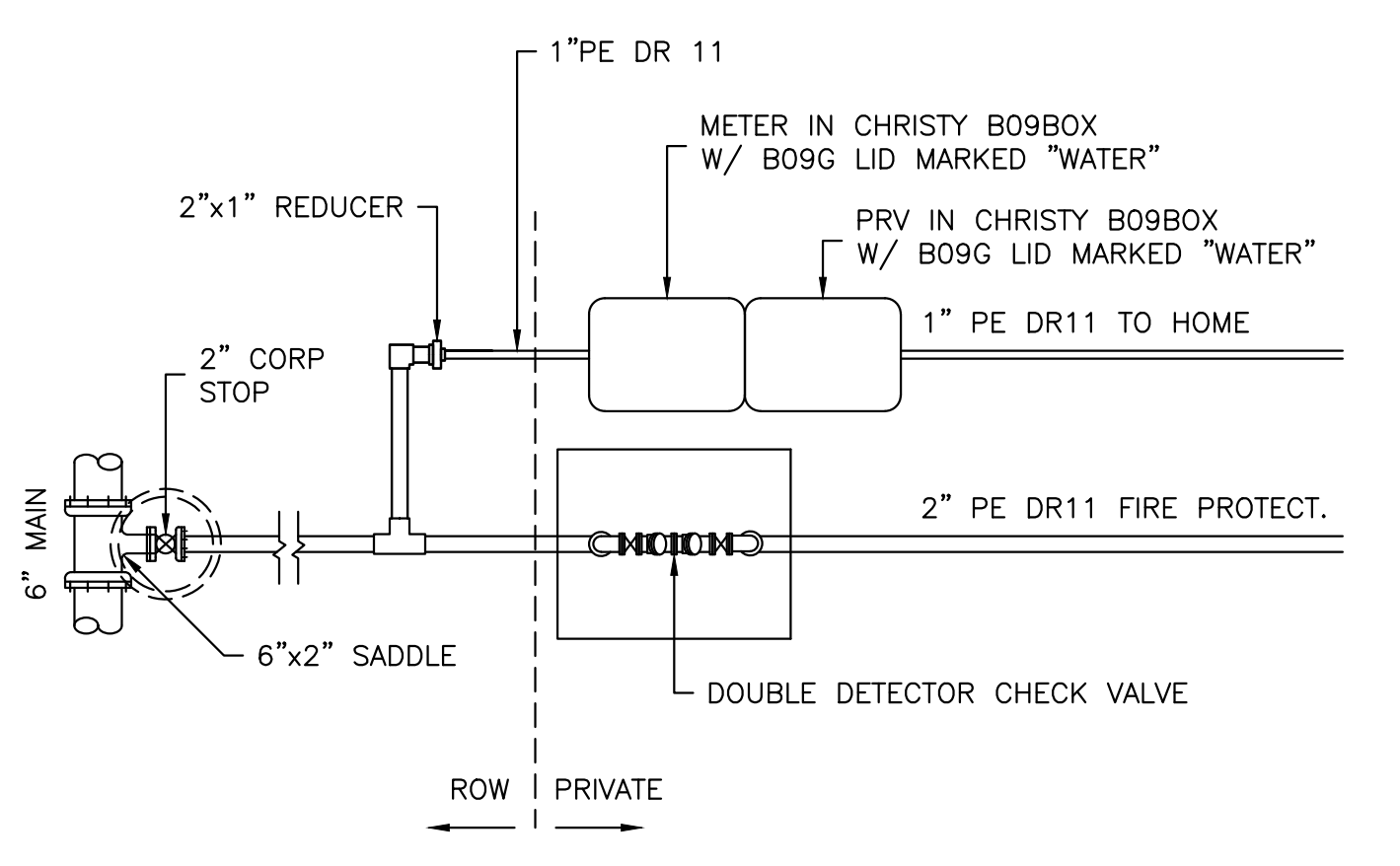
21 GATE VALVE DETAIL
 4.0 4.1 NTS



LOCATING WIRE AND WARNING TAPE NOTES:

- WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES, EXCEPT WHERE BOXES ARE WITHIN TEN (10) FEET OF PIPE INTERSECTION.
- BARE WIRE SHALL NOT TOUCH VALVES OR FITTINGS.
- LOCATING WIRE SHALL BE PLACED AT BOTTOM OF TRENCH, NEXT TO PIPE. (DO NOT ATTACH WIRE TO PIPE).
- IF WIRE ENDS AT A VALVE, A SINGLE INSULATED WIRE SHALL EXTEND UP TO WITHIN 12" OF BOX COVER.
- ALL VALVES, INCLUDING FIRE HYDRANT VALVES, SHALL HAVE LOCATING WIRES.
- LOCATING WIRE SHALL BE BARE #6 AWG SOLID COPPER, SOFT DRAWN WIRE. WIRE SHALL BE INSTALLED WITH ALL NON-METALLIC MAINS AND SERVICES.
- WARNING TAPE SHALL BE A DETECTABLE METALLIZED 2" WIDE WARNING TAPE. BLUE COLOR CODED, IMPRINTED WITH "CAUTION-BURIED WATER LINE BELOW" SHALL BE INSTALLED 6" MINIMUM ABOVE ALL WATER MAINS IN OFF ROAD INSTALLATIONS. LINEGUARD DETECTABLE MARKING TAP, TYPE III OR APPROVED EQUAL.

22 TRACER WIRE & WARNING TAPE DETAIL
 4.0 4.1 NTS



WATER SERVICE NOTES:

- SET METER BOX COVER FLUSH WITH FINISHED SURFACE.
- PIPE OPENINGS IN METER BOX SHALL BE CUT - DO NOT USE HAMMER. PRIOR TO BACKFILLING, PIPE OPENINGS SHALL BE GROUTED.
- TRACER WIRE REQUIRED FROM GATE VALVE AT MAIN TO HOME.

23 WATER SERVICE DETAIL
 4.0 4.1 NTS

REV	DATE	DESCRIPTION	APP'D BY	CHK'D BY

WATER DETAILS
 VALADAO, ET AL
 1820 PICKETT ROAD
 MCSPICKETT, CA 95519
 APRN 510-381-021
 HUMBOLDT, CALIFORNIA

DATE OF ISSUE:
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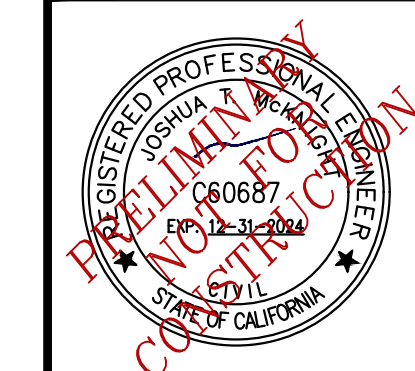
SCALE:
 NTS

PROJECT NO:
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DRAWING NO:
C04.4



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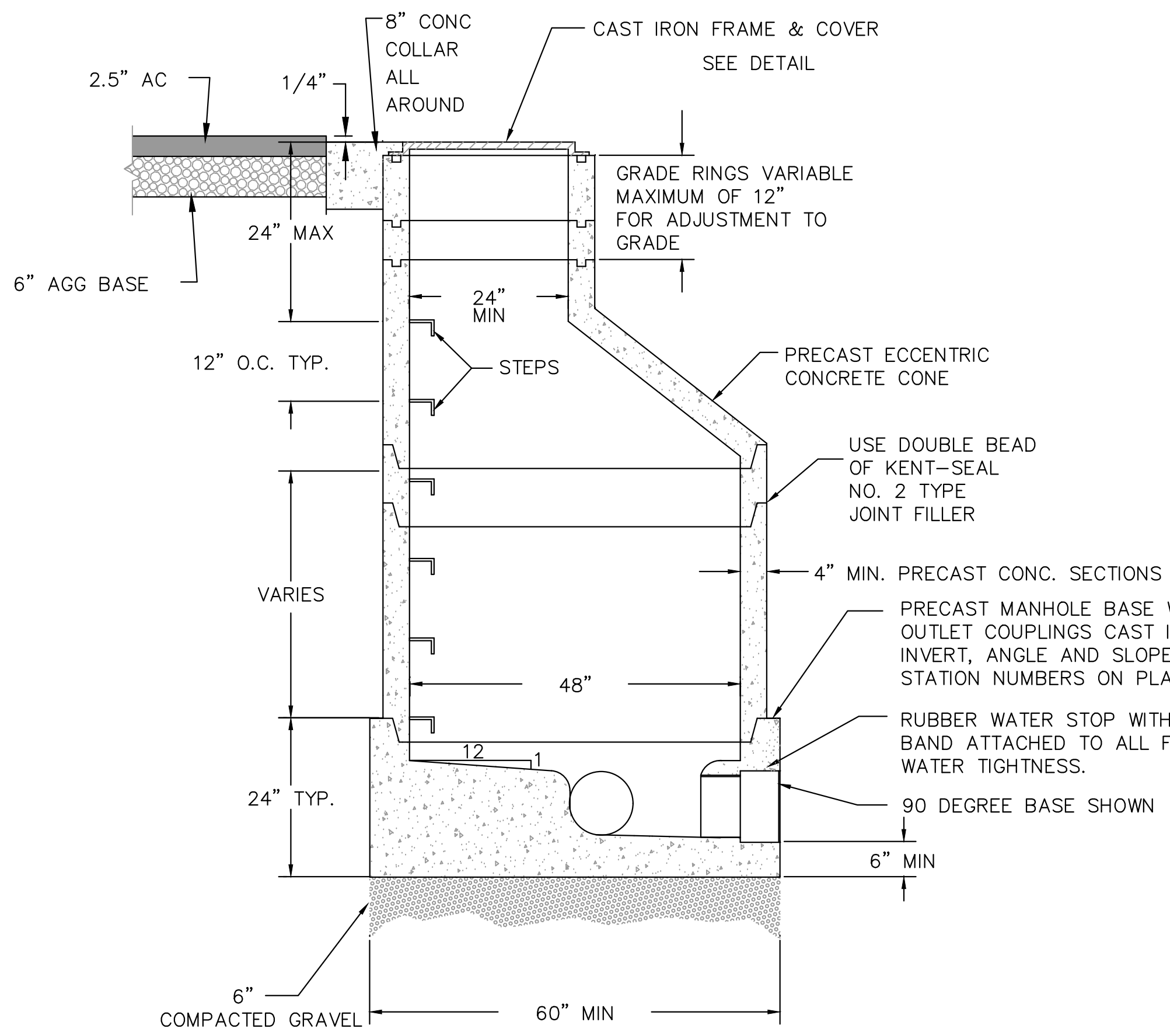
VALADAO, ET AL
1800 PICKETT ROAD
MCLELLAN, CA 95119
APN 510-381-021
SANITARY SEWER DETAILS
HUMBOLDT, CALIFORNIA

SANITARY SEWER GENERAL NOTES:

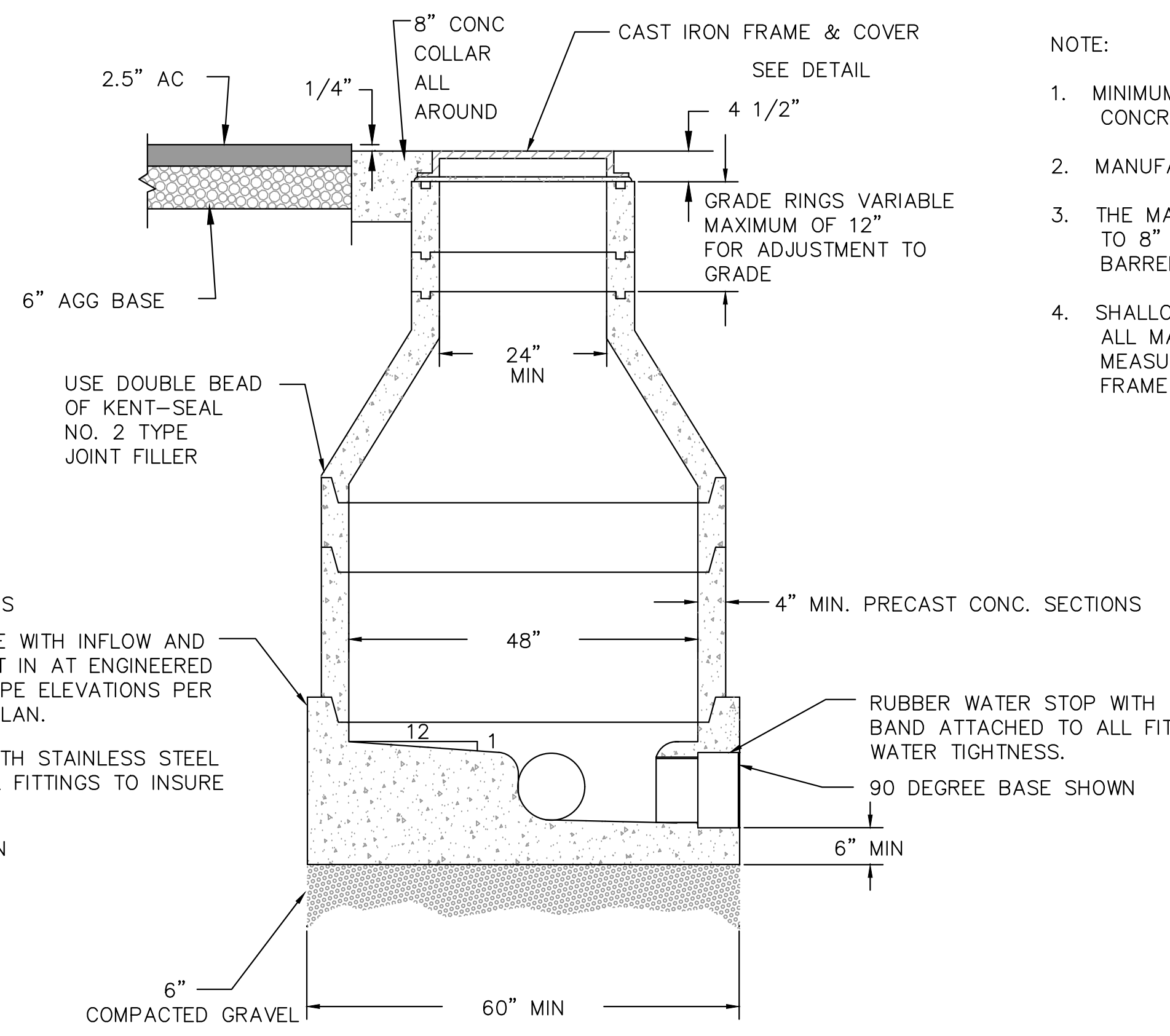
1. THE CONTRACTOR SHALL VERIFY ALL SEWER LATERAL LOCATIONS WITH THE PROJECT ENGINEER PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL EXPOSE THE END OF EXISTING SEWER LINES FOR SURVEYORS TO VERIFY LOCATION AND ELEVATION PRIOR TO PLACEMENT OF NEW PIPE.
3. ANY SEWER PIPE HAVING LESS THAN 20" OF COVER MEASURED AT THE BELL WITHIN THE STREET BEFORE THE ADDITION OF BASE ROCK SHALL BE DUCTILE IRON PIPE. ALL OTHER PIPE SHALL BE PVC CONFORMING TO ASTM D3034.
4. THE CONTRACTOR SHALL PLACE AN "S" IN THE WET CONCRETE CURB TOP AT SEWER LATERAL LOCATIONS.
5. ALL SEWER SERVICES TO MANHOLES SHALL MATCH INVERT OF THE INLET PIPE TO CROWN OF THE OUTLET PIPE, UNLESS OTHERWISE NOTED.
6. ALL SEWER SERVICES TO MANHOLES SHALL BE AIR TESTED TO THE SATISFACTION OF THE ENGINEER AFTER AGGREGATE BASE AND SIDEWALK PLACEMENT. SERVICES SHALL BE BALL AND FLUSHED AND TV TESTED. PRIOR TO EXPIRATION OF THE 1 YEAR WARRANTY PERIOD.
7. SEWER MAINS AND LATERALS SHALL BE TV TESTED. CONTRACTOR TO COORDINATE WITH ENGINEER.
8. ALL MANHOLE RISERS SHALL BE SEALED BETWEEN RINGS WITH "RAMNECK" OR SIMILAR SEALING MATERIAL. JOINTS SHALL BE GROUTED INSIDE AND OUT.
9. DURING INSTALLATION AND BACKFILLING, ALL TRENCHES SHALL BE FREE OF WATER. ALL DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS SHALL, AT A MINIMUM, CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D3034 AS THEY APPLY TO SDR-26 PVC SEWER PIPE USING AN ELASTOMERIC GASKET JOINT IN A BELL AND SPIGOT ASSEMBLY SYSTEM.
11. POLYVINYL CHLORIDE JOINTS SHALL BE BELL AND SPIGOT USING AN ELASTOMERIC GASKET WHICH MEETS THE REQUIREMENTS OF ASTM DESIGNATION D1869. NO SOLVENT WELD JOINTS WILL BE ALLOWED.
12. ALL SANITARY SEWER PIPE INSTALLATIONS SHALL BE ACCOMPLISHED AS SPECIFIED HEREIN. PVC PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
13. ALL SEWER LATERALS TO BE PVC SDR-26 PER ASTM D3034.
14. ALL LATERALS SHALL HAVE NO LESS THAN ONE CLEAN-OUT BETWEEN MAIN AND HOME. ALL LATERAL CLEANOUTS SHALL BE TWO-WAY, INSTALLED W/ RISERS TO FINISH GRADE IN CHRISTY BOX (OR EQUIVALENT) WITH LID MARKED "SEWER".
15. ALL LATERALS AND MAINS ARE TO BE VIDEO TAPED TO THE SERVICE CLEAN-OUT.
16. ALL LEAKAGE TESTS SHALL BE COMPLETED AND APPROVED AFTER BACKFILLING AND PRIOR TO PLACEMENT OF PERMANENT SURFACING.
17. ALL SEWER MAINS AND LATERALS SHALL BE CLEANED AND FLUSHED, DEFLECTION TESTED AND AIR TESTED.
18. THE COMPLETE JOB SITE SHALL BE DEEMED READY FOR TELEVISION INSPECTION WHEN THE FOLLOWING WORK IS COMPLETED:
 - 18.1. ALL SEWER PIPELINES ARE INSTALLED AND BACKFILLED.
 - 18.2. ALL STRUCTURES ARE IN PLACE, ALL CHANNELING IS COMPLETE AND PIPELINES ARE ACCESSIBLE FROM STRUCTURES.
 - 18.3. ALL OTHER UNDERGROUND FACILITIES, UTILITY PIPING AND CONDUITS ARE INSTALLED.
 - 18.4. FINAL STREET SUB GRADING IS COMPLETE AND READY FOR ASPHALT CONCRETE SURFACING. PIPELINES TO BE INSPECTED HAVE BEEN PRELIMINARY BALLED AND FLUSHED OR CLEANED WITH A HIGH PRESSURE CLEANER.
 - 18.5. FINAL AIR TESTS HAVE BEEN COMPLETED AND APPROVED.
19. WHEN THE ABOVE ITEMS ARE COMPLETE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING AS TO THE SCHEDULED DATE OF THE TELEVISION INSPECTION.

NOTE:

1. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE - 3000 PSI
2. MANUFACTURED TO MEET ASTM C 478
3. THE MANHOLE BASE SHALL BE PRECAST TO 8" ABOVE THE BARREL OF THE MAIN SEWER
4. SHALLOW MANHOLE IS REQUIRED FOR ALL MANHOLES LESS THAN 5' IN DEPTH MEASURED FROM LINE OF FLOW TO FRAME RIM

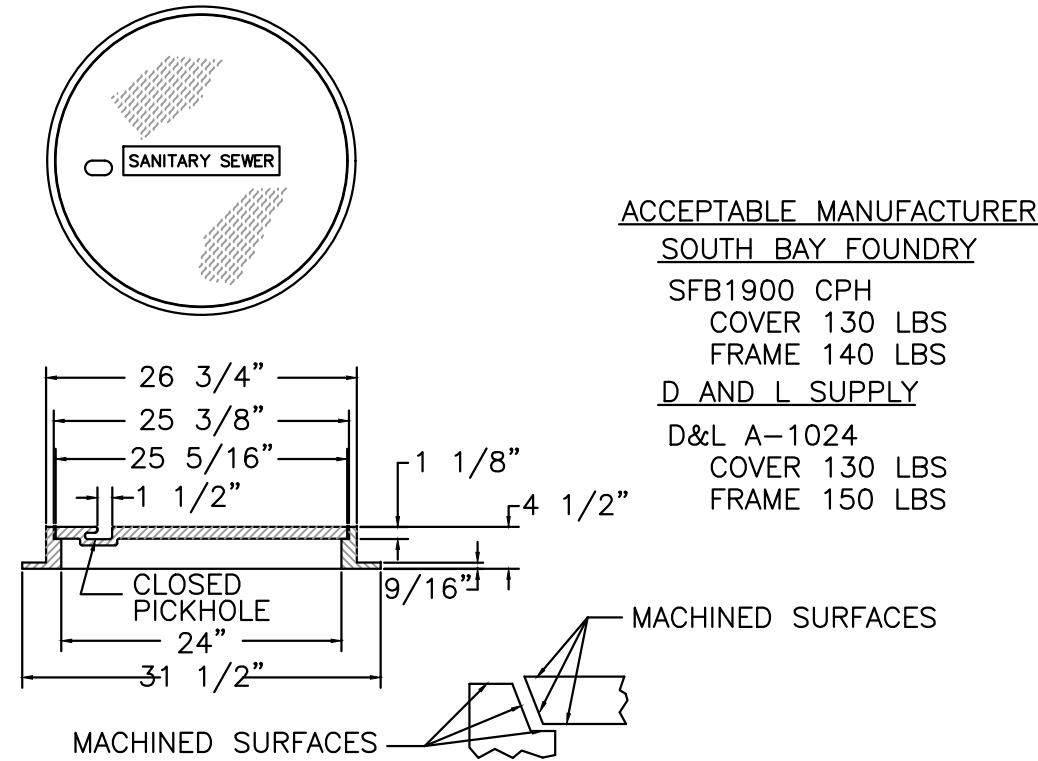


24
4.0 4.2
STANDARD MANHOLE
DETAIL
NTS



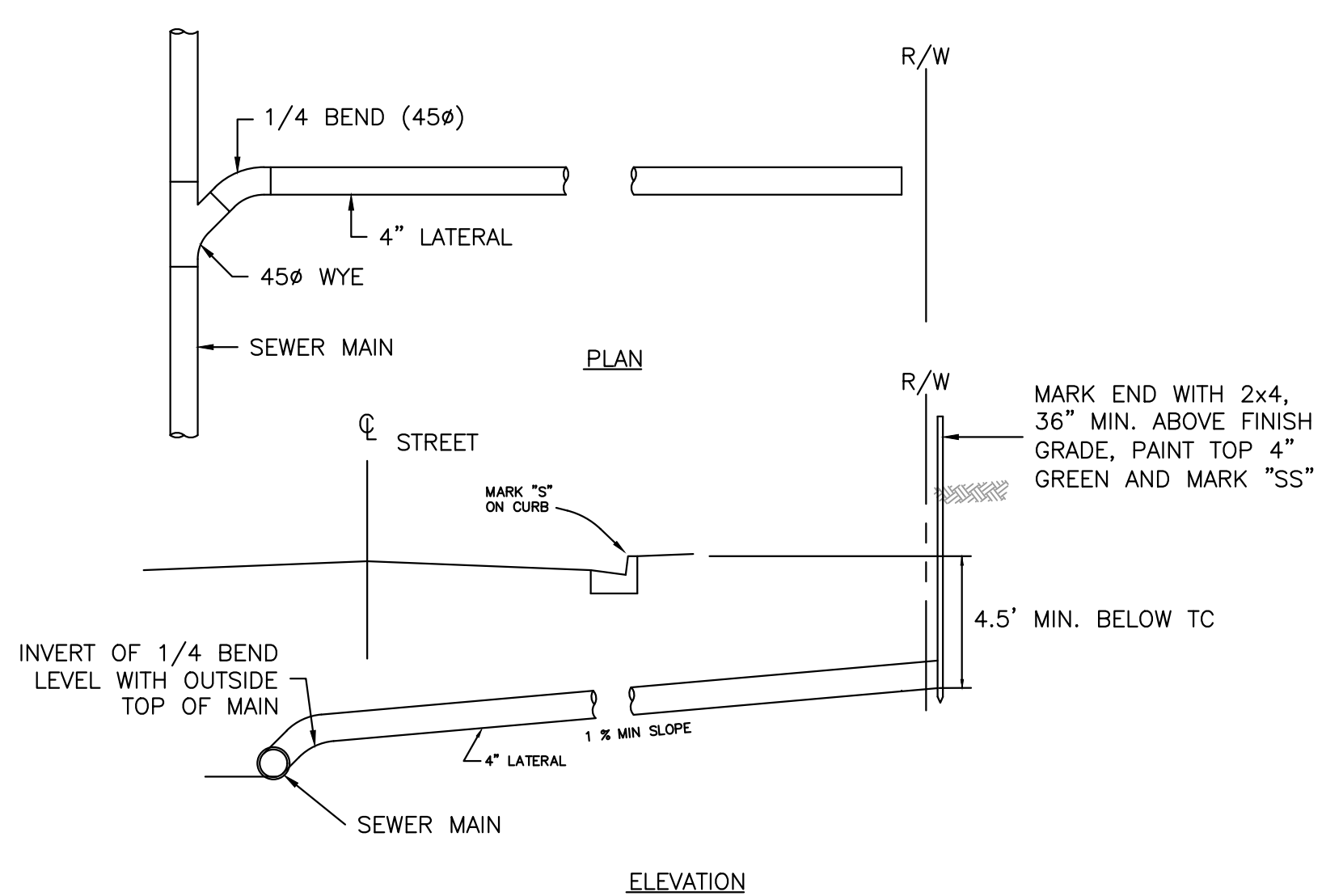
25
4.0 4.2
SHALLOW MANHOLE
DETAIL
NTS

SS MANHOLE DETAIL
NTS

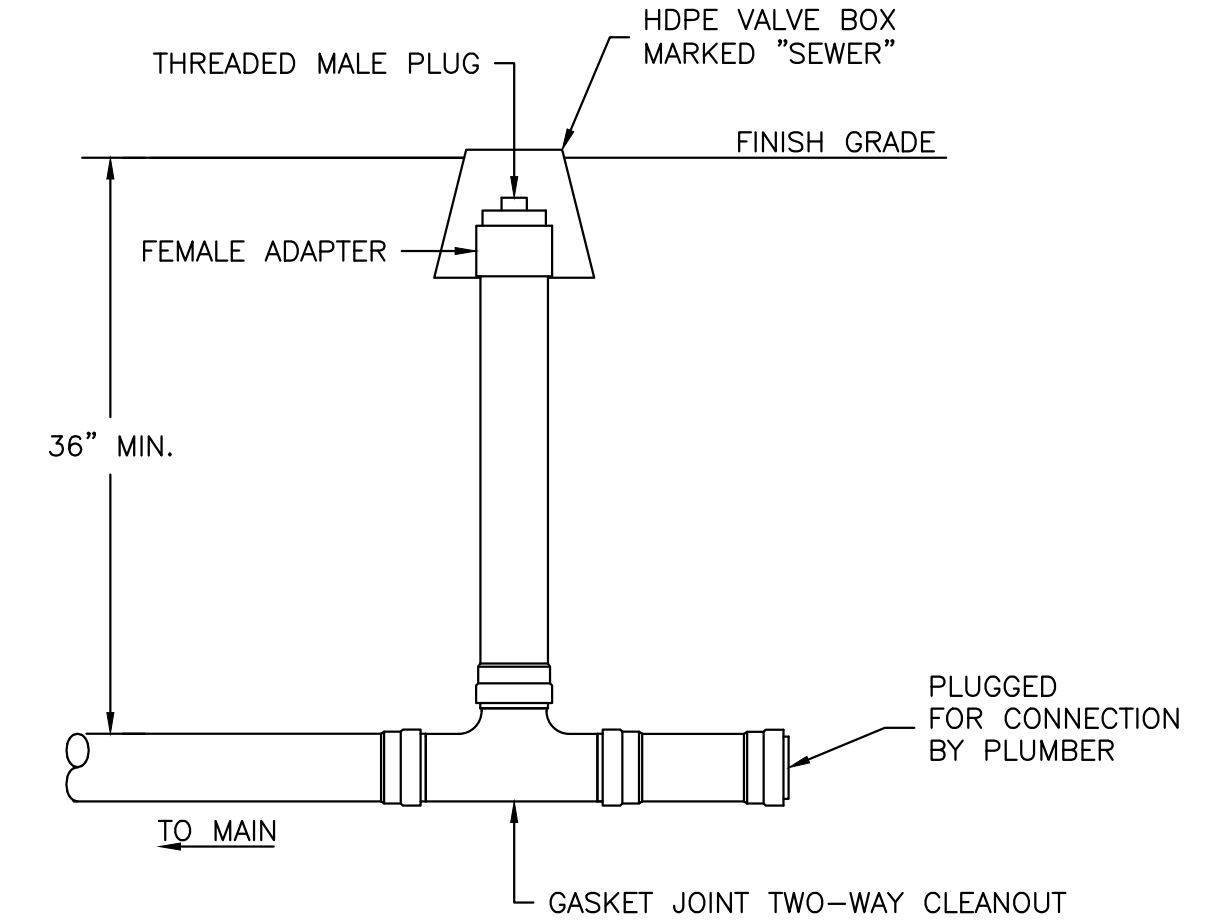


- ACCEPTABLE MANUFACTURERS
SOUTH BAY FOUNDRY
SFB1900 CPH
COVER 130 LBS
FRAME 140 LBS
D AND L SUPPLY
D&L A-1024
COVER 130 LBS
FRAME 150 LBS
- NOTES:
1. FRAME AND COVER FULLY MACHINED ON SURFACE, AS SHOWN, FOR PERFECT NO-ROCK, NO-STICK FIT.
2. STANDARD COVER MARKING: "SANITARY SEWER".
3. CASTING TO BE FURNISHED WITH BLEND PICKHOLES.
4. CASTINGS TO BE DIPPED IN ASPHALT PAINT.
5. ALL PARTS OF ACCEPTABLE ASSEMBLIES TO BE INTERCHANGEABLE.

27
4.0 4.2
SS MANHOLE LID DETAIL
NTS

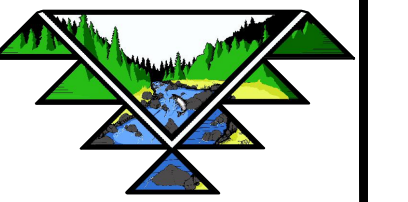


28
4.0 4.2
SS SERVICE LATERAL DETAIL
NTS

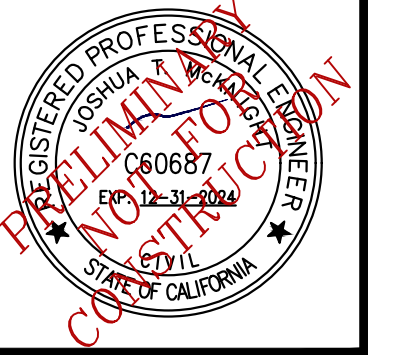


- NOTES:
1. ALL PIPING AND FITTINGS TO BE PVC SDR 26.

29
4.0 4.2
SS TWO-WAY CLEANOUT DETAIL
NTS

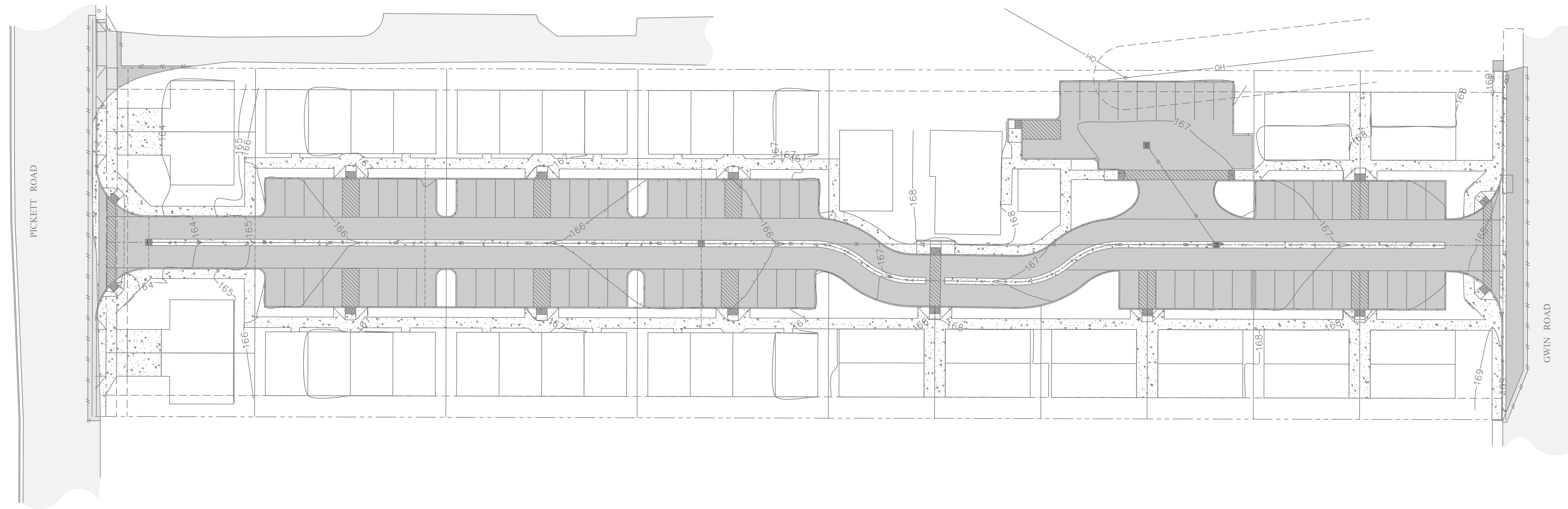


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PO BOX 1587
WILLOW CREEK, CA 95573
P:(530)629-3000
F:(530)629-3011



PLAN VIEW
SCALE: 1" = 30'

LEGEND	
	ONSITE OVERLAND RELEASE PATH
	OFFSITE OVERLAND RELEASE PATH
	STRAW/FIBER ROLLS
	SILT FENCE
	SEED AND STRAW



REV	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	APP. BY

VALADAO, ET AL
1820 PICKETT ROAD
MCLELLAN, CA 95519
APN 510-381-021

EROSION CONTROL PLAN

HUMBOLDT, CALIFORNIA

DATE OF ISSUE:
FEB 2023

SCALE:
1" = 30'

PROJECT NO:
873.01

DRAWING NO:
C5.0

STRAW MULCH NOTES:

1. STRAW SHALL BE DERIVED FROM WHEAT, RICE, OR BARLEY. WHERE REQUIRED BY THE PLANS, SPECIFICATIONS, PERMITS, OR ENVIRONMENTAL DOCUMENTS, NATIVE GRASS STRAW SHALL BE USED.
2. A TACKIFIER IS THE PREFERRED METHOD FOR ANCHORING STRAW MULCH TO THE SOIL ON SLOPES.
3. CRIMPING, PUNCH ROLLER-TYPE ROLLERS, OR TRACK WALKING MAY ALSO BE USED TO INCORPORATE STRAW MULCH INTO THE SOIL ON SLOPES. TRACK WALKING SHALL ONLY BE USED WHERE OTHER METHODS ARE IMPRACTICAL.
4. AVOID PLACING STRAW ONTO ROADS, SIDEWALKS, DRAINAGE CHANNELS, SOUND WALLS, EXISTING VEGETATION, ETC.
5. STRAW MULCH WITH TACKIFIER SHALL NOT BE APPLIED DURING OR IMMEDIATELY BEFORE RAINFALL.
6. APPLY STRAW AT A MINIMUM RATE OF 4,000 LB/ACRE, EITHER BY MACHINE OR BY HAND DISTRIBUTION.
7. ROUGHEN EMBANKMENTS AND FILL RILLS BEFORE PLACING THE STRAW MULCH BY ROLLING WITH A CRIMPING OR PUNCHING TYPE ROLLER OR BY TRACK WALKING.
8. EVENLY DISTRIBUTE STRAW MULCH ON THE SOIL SURFACE.
9. ON SMALL AREAS, A SPADE OR SHOVEL CAN BE USED TO PUNCH IN STRAW MULCH.
10. ON SLOPES WITH SOILS THAT ARE STABLE ENOUGH AND OF SUFFICIENT GRADIENT TO SAFELY SUPPORT CONSTRUCTION EQUIPMENT WITHOUT CONTRIBUTING TO COMPACTION AND INSTABILITY PROBLEMS, STRAW CAN BE "PUNCHED" INTO THE GROUND USING A KNIFE BLADE ROLLER OR A STRAIGHT BLADED COULTER, KNOWN COMMERCIALY AS A "CRIMPER".
11. ON SMALL AREAS AND/OR STEEP SLOPES, STRAW CAN ALSO BE HELD IN PLACE USING JUTE. THE NETTING SHALL BE HELD IN PLACE USING 11 GAUGE WIRE STAPLES, GEOTEXTILE PINS OR WOODEN STAKES AS DESCRIBED IN EC-7, GEOTEXTILES AND MATS.
12. TACKIFIER ACTS TO GLUE THE STRAW FIBERS TOGETHER AND TO THE SOIL SURFACE. THE TACKIFIER SHALL BE SELECTED BASED ON LONGEVITY AND ABILITY TO HOLD THE FIBERS IN PLACE. A TACKIFIER IS TYPICALLY APPLIED AT A RATE OF 125 LB/ACRE. IN WINDY CONDITIONS, THE RATES ARE TYPICALLY 180LB/ACRE.

EROSION AND SEDIMENT CONTROL NOTES:

1. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
2. ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREA AND WITHIN THE WORK AREA SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, YEAR ROUND.
3. ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER STANDARD DRAWING TC-1 WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR-ROUND BASIS UNTIL THE COMPLETION OF CONSTRUCTION.
4. ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD.
5. SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMP'S SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
6. SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED YEAR-ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
7. ALL SLOPES GREATER THAN 1:1 SHALL RECEIVE SEED AND STRAW OR OTHER EROSION CONTROL.
8. ALL FENCING AND EROSION CONTROL METHODS SHALL BE MAINTAINED THROUGHOUT ALL ON-SITE CONSTRUCTION ACTIVITIES.
9. ALL BMP'S SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY ANTICIPATED STORM EVENT.

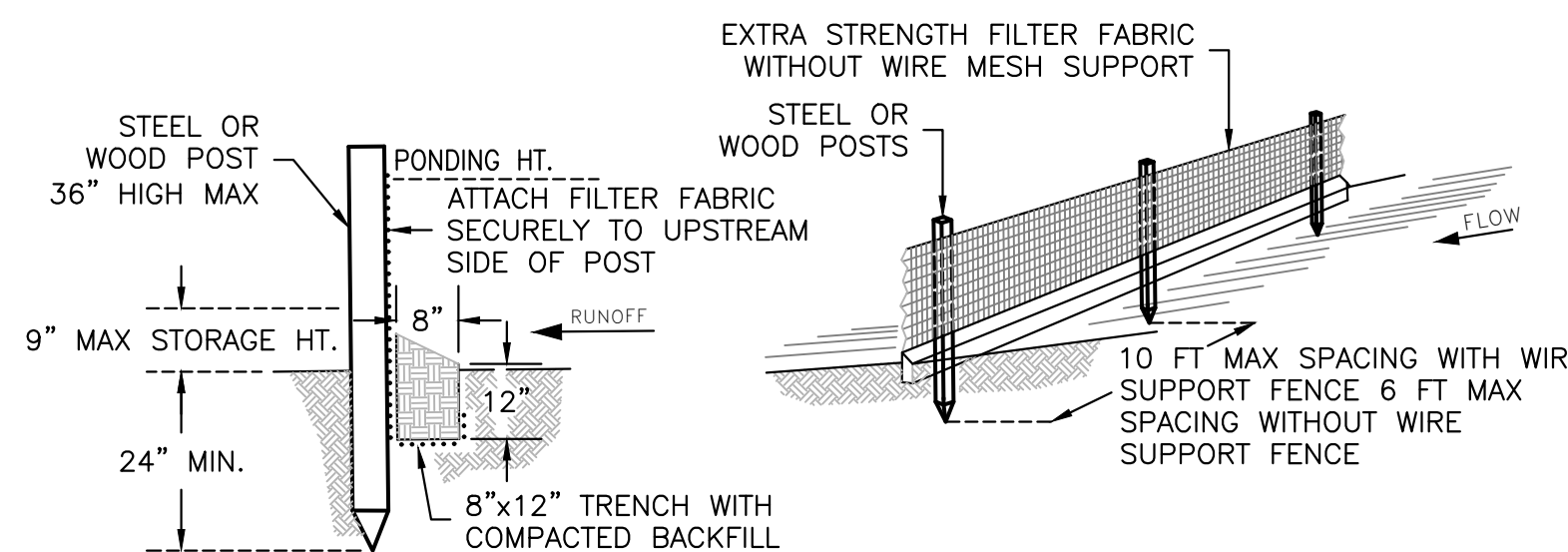
GENERAL WATER POLLUTION CONTROL NOTES:

1. THE INFORMATION ON THESE DRAWINGS ARE ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY.
2. THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTORS TO INSTALL WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATION THROUGHOUT THE SITE. THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE NARRATIVE SECTION OF THE WATER POLLUTION CONTROL PLAN.
3. FIELD CONDITIONS MAY NECESSITATE MODIFICATION TO THESE DRAWINGS.
4. PERMANENT EROSION CONTROL AND REVEGETATION WILL BE INSTALLED AS AREAS ARE DETERMINED TO BE SUBSTANTIALLY COMPLETE AND PER THE SPECIFICATIONS.
5. ALL BMP'S WILL BE FIELD-VERIFIED AND APPROVED FOR INSTALLATION BY THE RE. ALL BMP'S WILL BE INSTALLED ACCORDING TO THE STANDARD PLANS AND SPECIFICATIONS UNLESS APPROVED BY THE RE AND AMENDED INTO THE WPCP.

BMP MAINTENANCE NOTES:

1. ALL OF THE IMPLEMENTED BMP'S SHALL BE INSPECTED AND CORRECTED AS NEEDED PRIOR TO, DURING, AND DIRECTLY FOLLOWING ANY STORM EVENT, OR WHENEVER PRACTICAL.

PHASE OF CONSTRUCTION	BMP INSTALLATION SCHEDULE										
	EROSION AND SEDIMENT CONTROL MEASURES										
	(WET SEASON)					(WET AND DRY SEASON)					
	HYDROSEEDING MULCHING	PRESERVATION OF EXISTING VEGETATION	STRAW FIBER ROLLS	STORM DRAIN INLET PROTECTION	TEMP. SEDIMENT TRAP	STABILIZED CONSTRUCTION ENTRANCE	CONTRACTOR EQUIPMENT CONTROLS	MATERIAL & WASTE DISPOSAL LOCATION	DUST CONTROL	DEWATERING OPERATIONS	CONCRETE WASHOUT
PRE-GRADING	●	●	●								●
CUT AND FILL ACTIVITIES				●	●						●
UNDERGROUND WORK											
STORM DRAIN IMPROVEMENTS											
OFFSITE IMPROVEMENTS				●							
COMPLETION OF PAVING											
POST-GRADING	●	●									

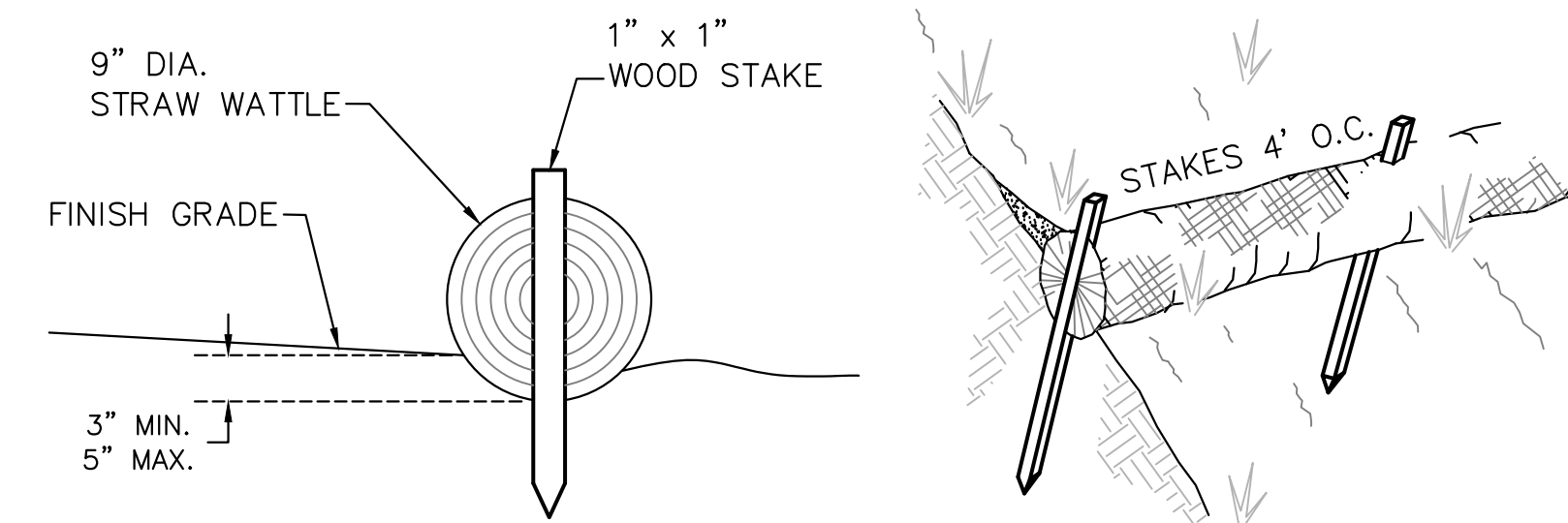


SILT FENCE NOTES:

1. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
2. CONTRACTOR SHALL REMOVE SEDIMENT AS NECESSARY. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND IN AN AREA THAT CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAILS

NTS

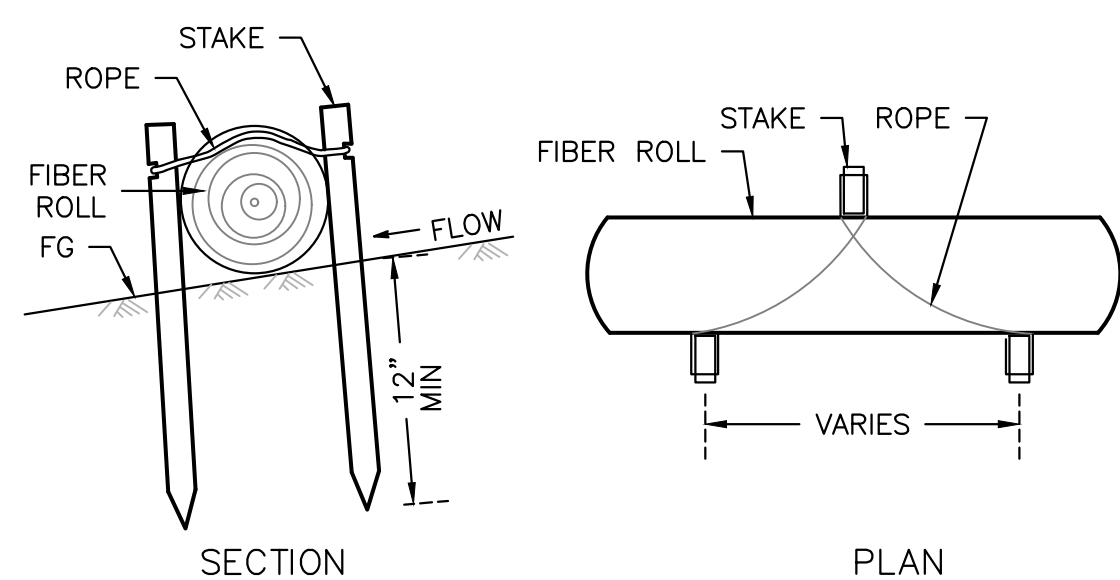


STRAW WATTLE NOTES:

1. STRAW WATTLES SHALL BE INSTALLED WITH 18 OR 24 INCH WOOD STAKES AT FOUR FEET ON CENTER. THE ENDS OF ADJACENT STRAW WATTLES SHALL BE ABUTTED TO EACH OTHER SNUGLY OR OVERLAPPED BY SIX INCHES.
2. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND THE ROLL.

STRAW WATTLE INSTALLATION DETAIL

NTS

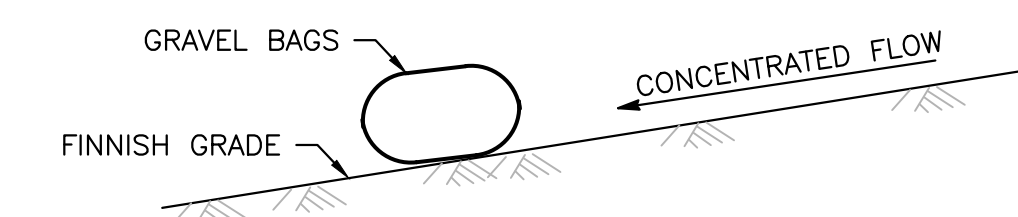


STAKING AND LASHING DETAIL

NTS

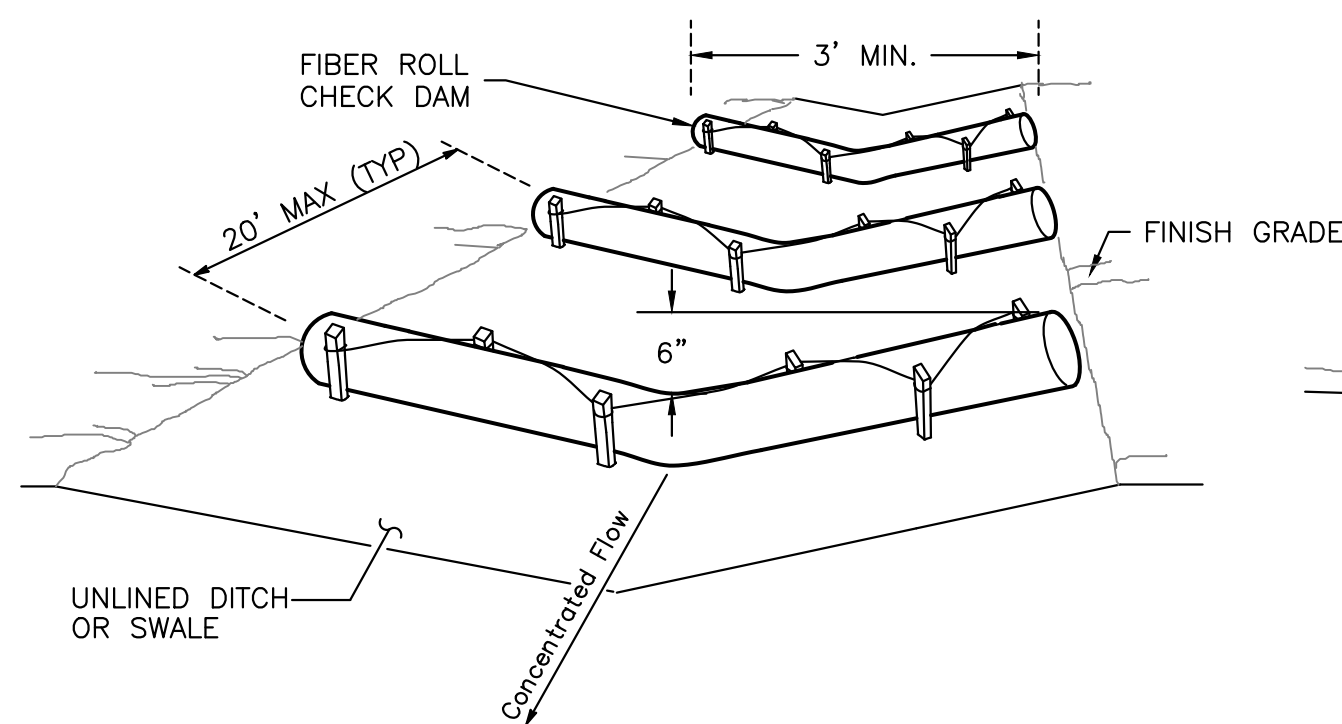
NOTE:

1. SPILLWAY DEPTH "d" SHALL BE MAINTAINED TO PREVENT FLANKING OF CONCENTRATED FLOW AROUND THE ENDS OF EACH CHECK DAM.



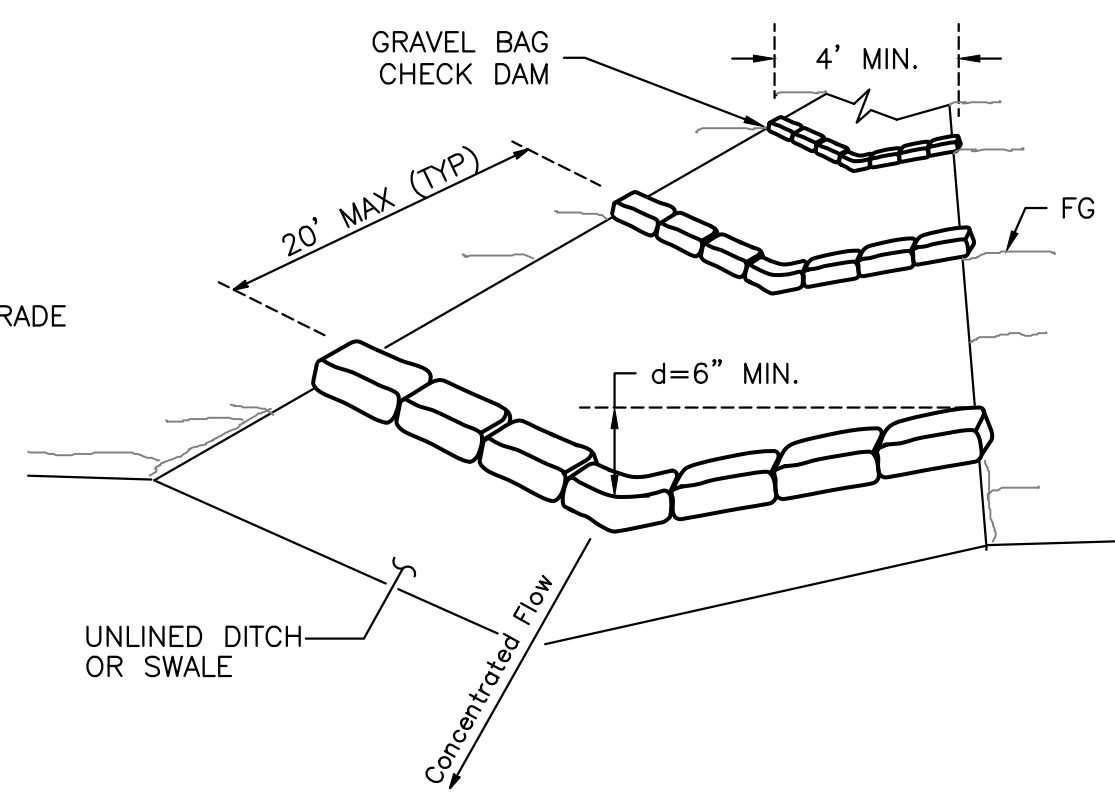
TEMPORARY CHECK DAM (TYPE 2)

NTS



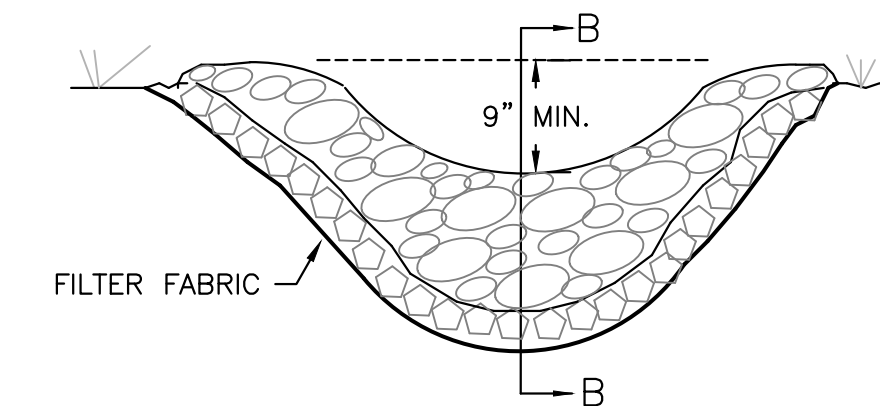
TEMPORARY CHECK DAM (TYPE 1)

NTS



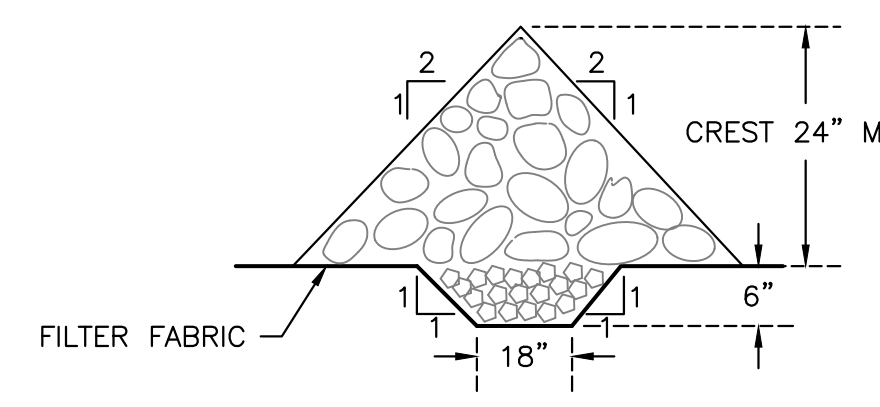
TEMPORARY CHECK DAM (TYPE 2)

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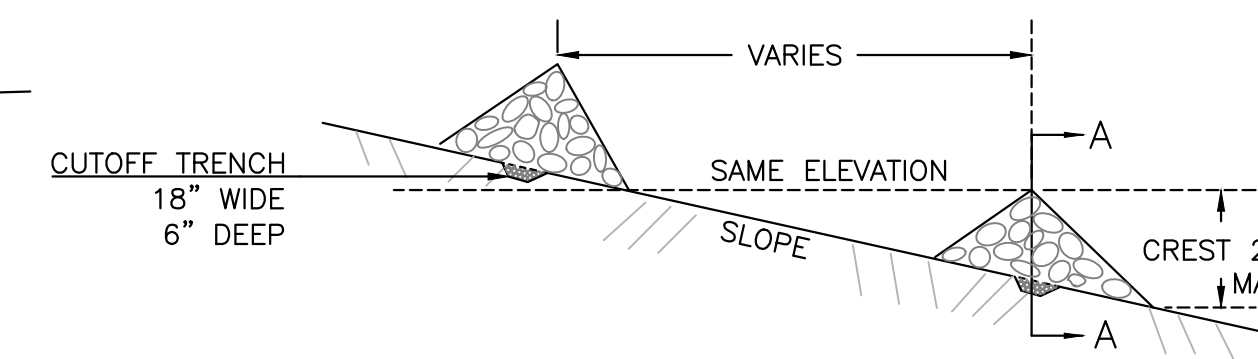
SECTION A-A

NTS



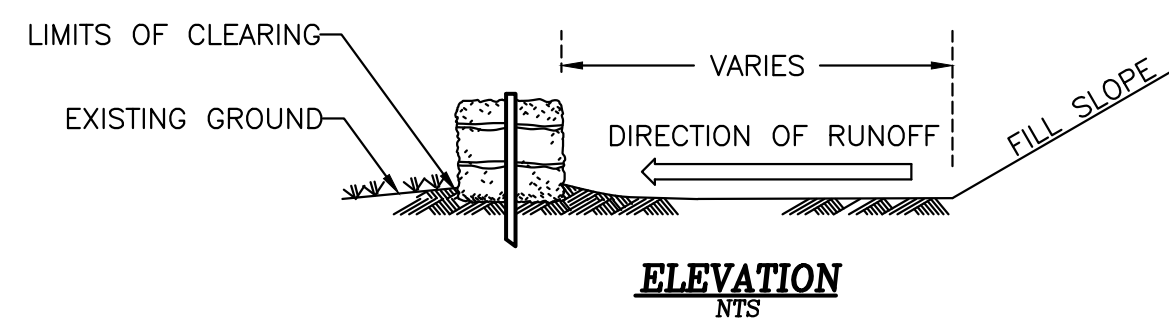
SECTION B-B

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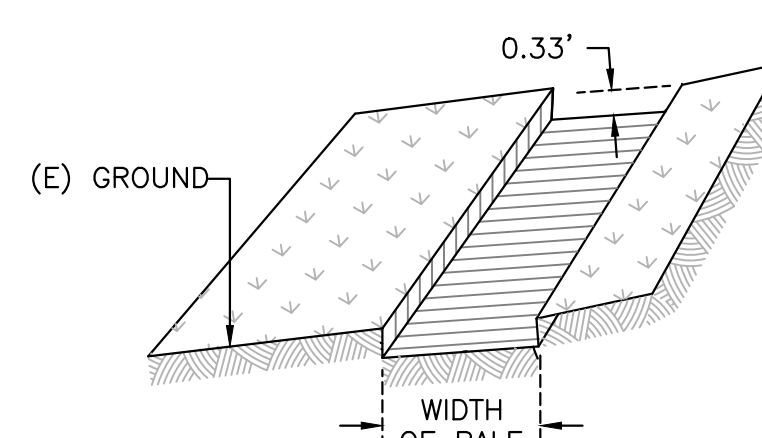
TEMPORARY CHECK DAM (TYPE 3)

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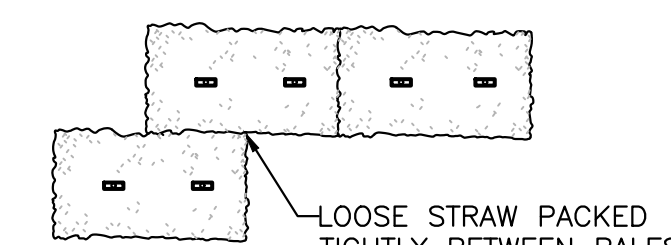


ELEVATION

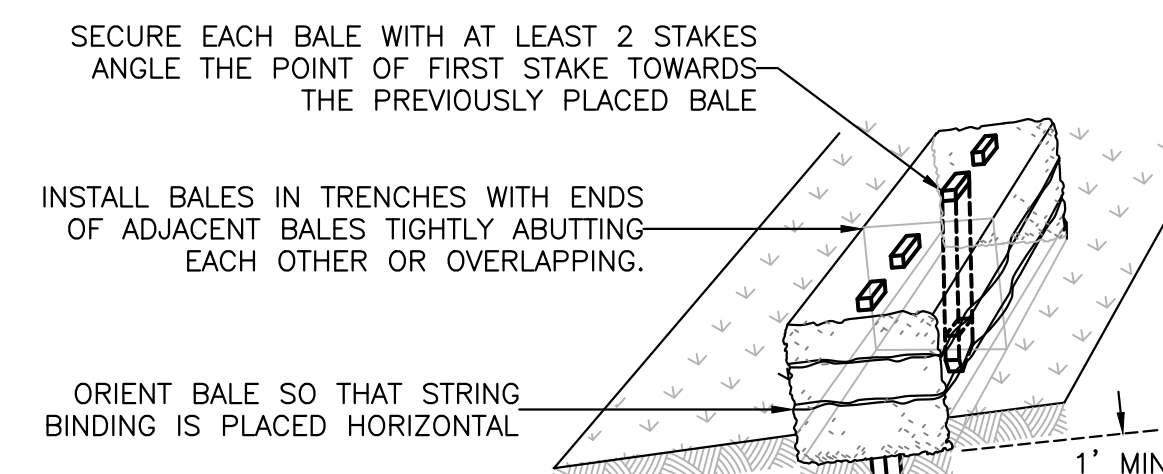
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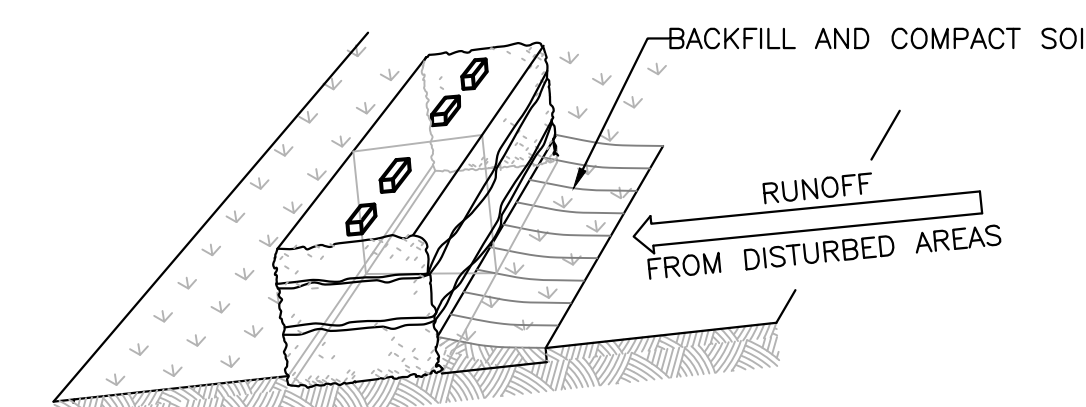
STEP 1: EXCAVATE TRENCH



STEP 3: TIGHTLY PACK STRAW BETWEEN BALES



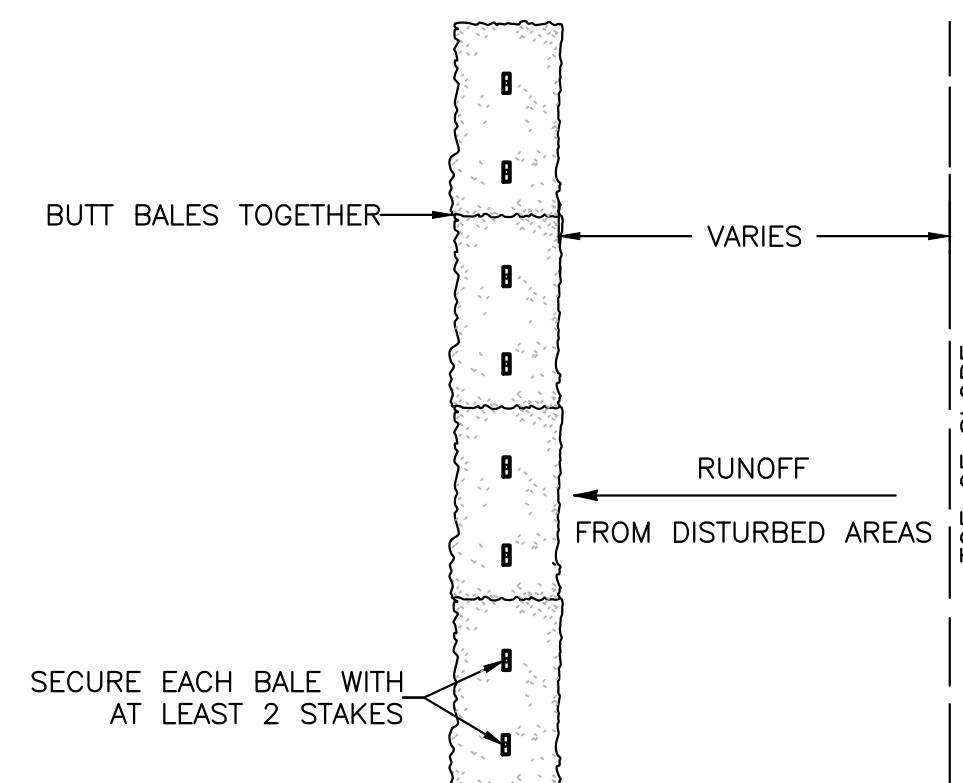
STEP 2: INSTALL BALES



STEP 4: BACKFILL SOIL AGAINST BALES

STRAW BALE BARRIER INSTALLATION DETAIL

NTS



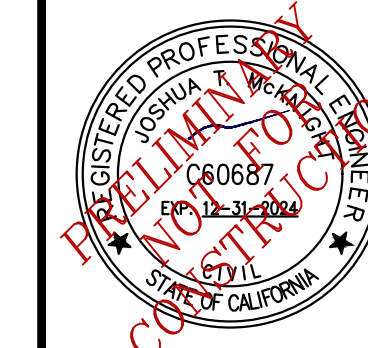
PLAN VIEW

NTS

TVCE



67 WALNUT WAY
PO BOX 1687
WILLOW CREEK, CA 95573
P:(530)629-3000
F:(530)629-3011

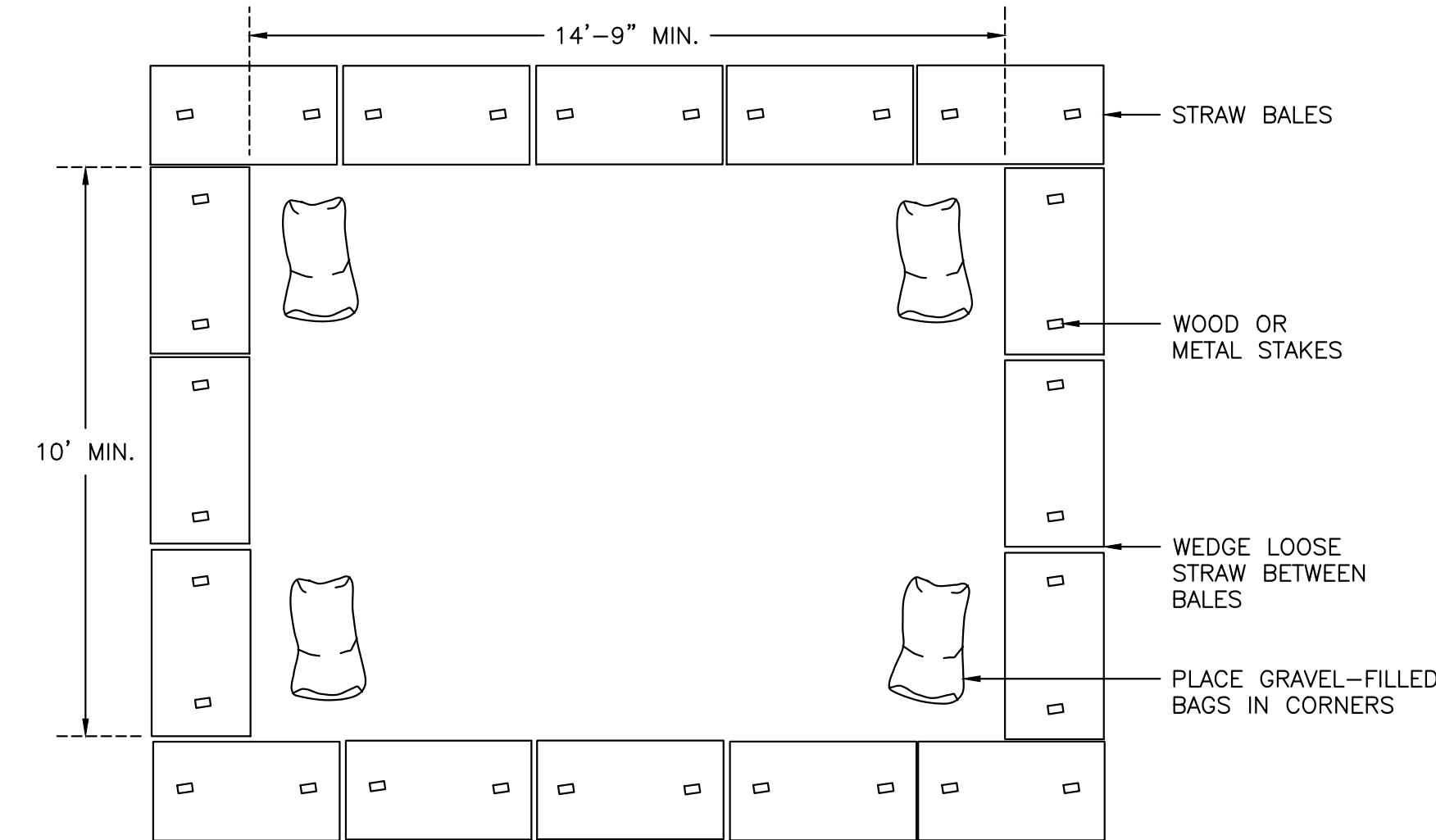
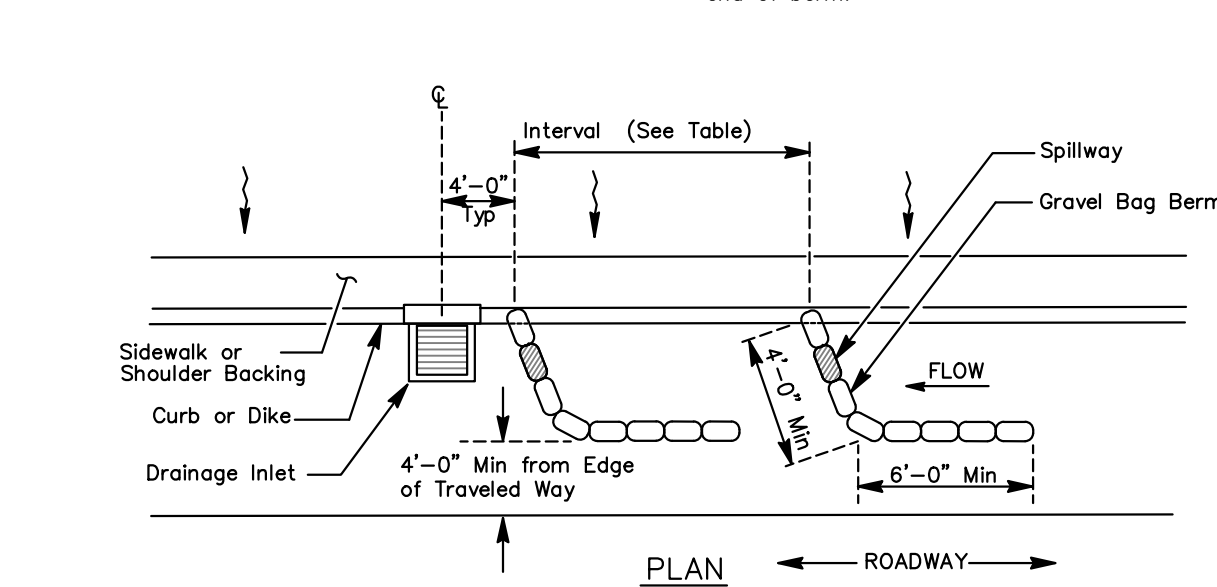
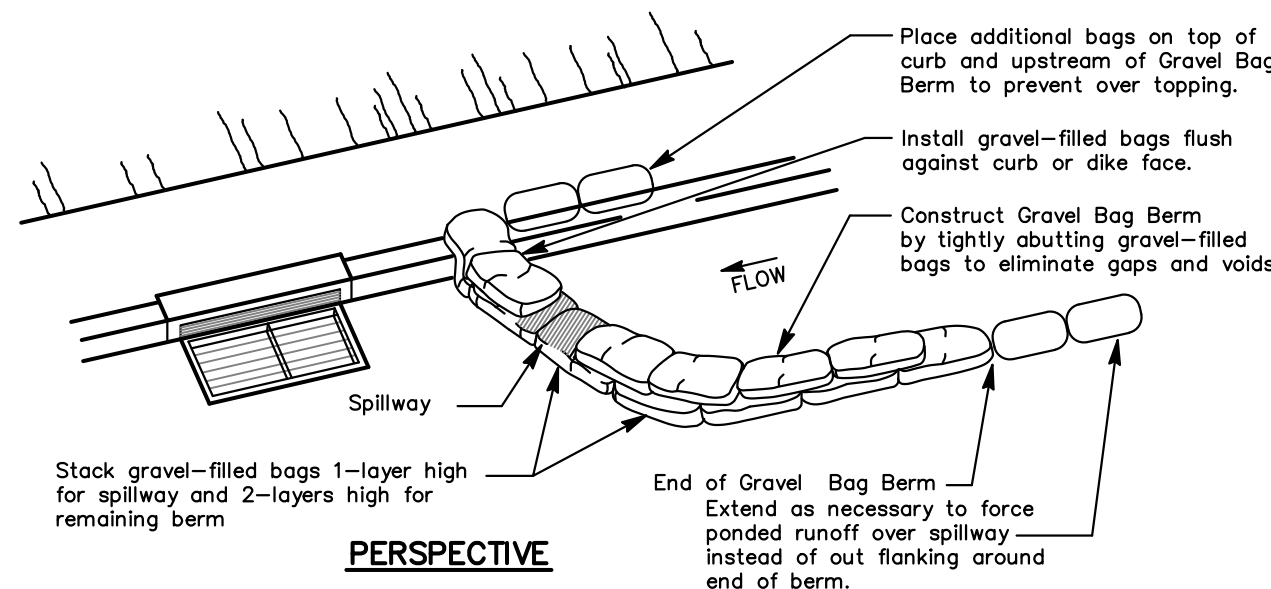
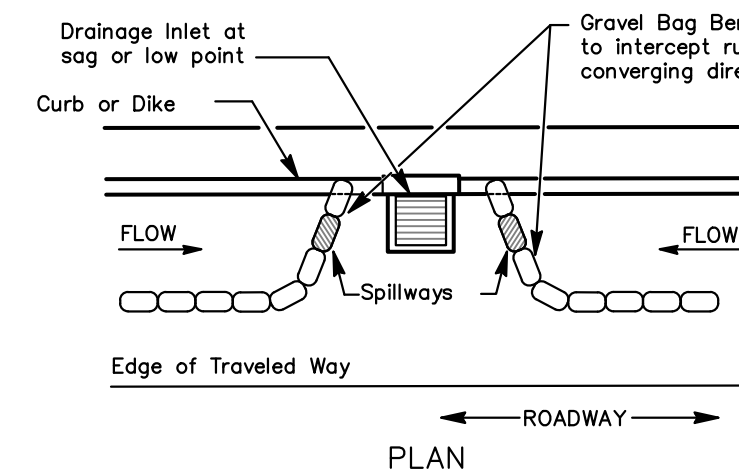
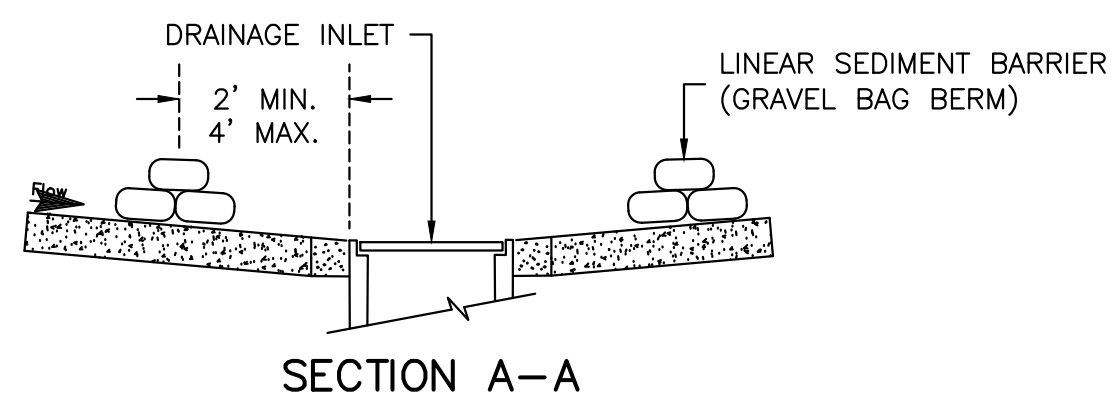
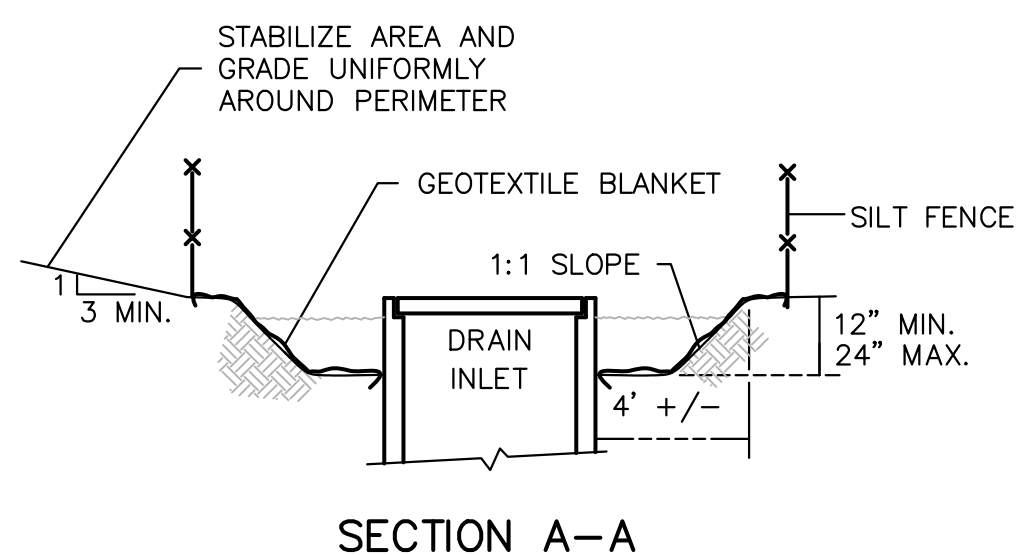


NO.	DESCRIPTION	DATE	REV.

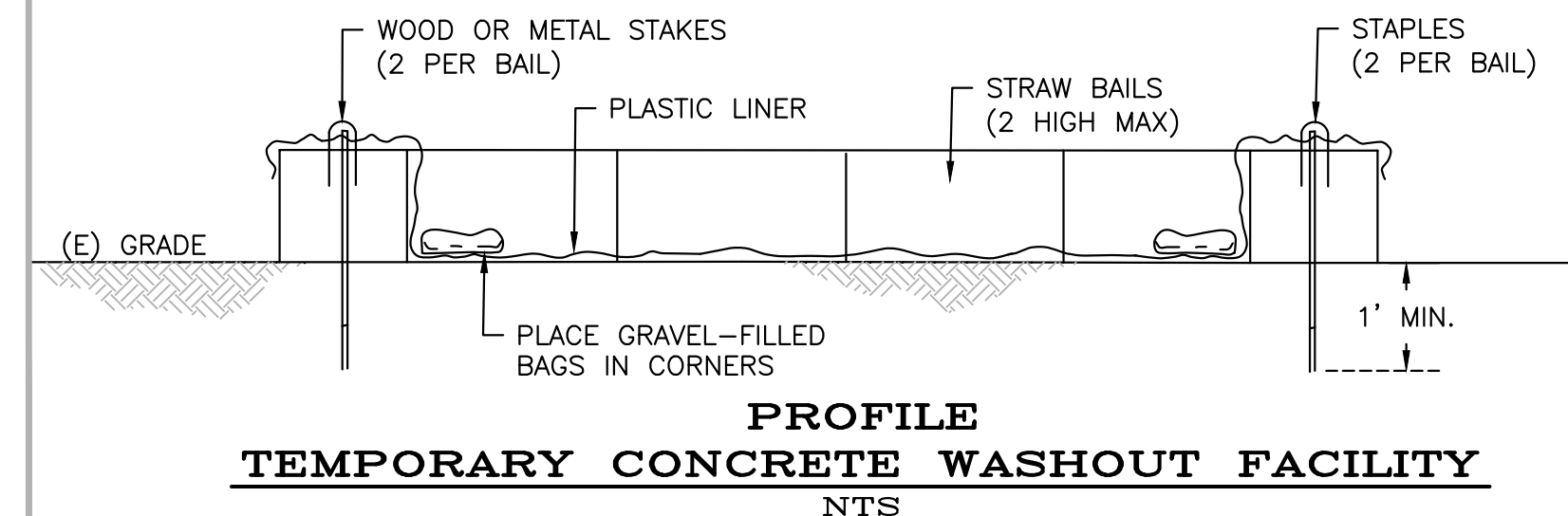
EROSION CONTROL DETAILS 1

VALADAO, ET AL
1830 RICKETTS ROAD
MCLELLAN, CA 95051
APN 510-381-021
HUMBOLDT, CALIFORNIA

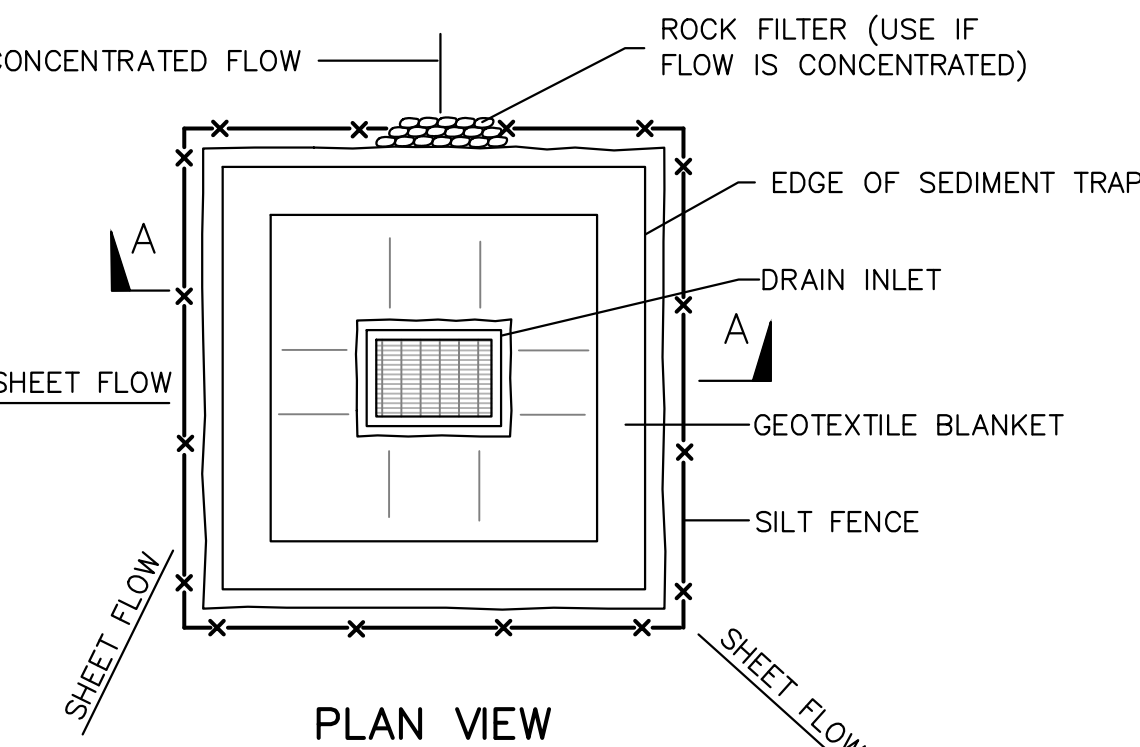
DATE OF ISSUE:	FEB 2023
SCALE:	AS SHOWN
PROJECT NO:	873.01
DRAWING NO:	C05.1



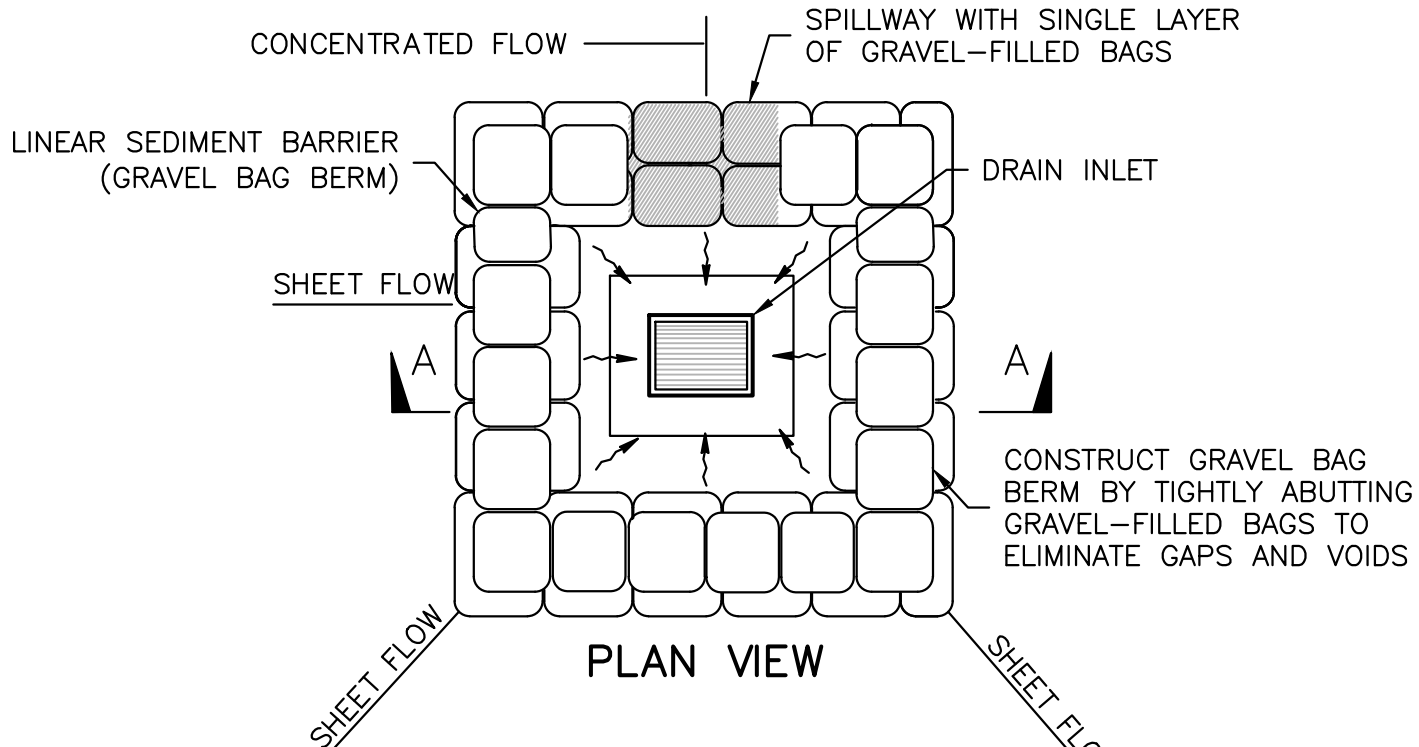
TEMPORARY CONCRETE WASHOUT FACILITY
NTS



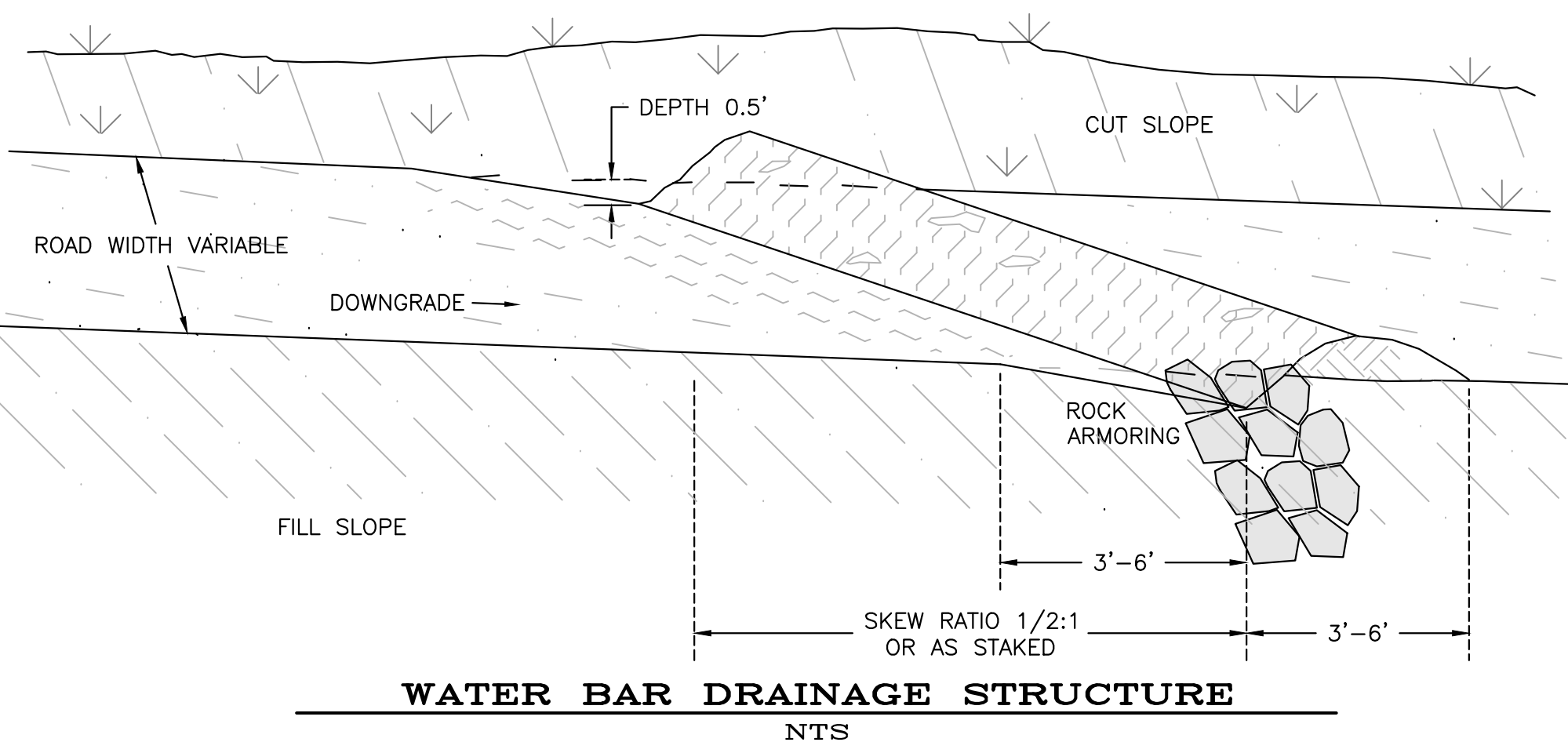
TEMPORARY CONCRETE WASHOUT FACILITY
NTS



- DROP INLET PROTECTION NOTES:**
1. REMOVE SEDIMENT BEFORE REACHING ONE-THIRD FULL
 2. FOR USE IN CLEARED, GRUBBED, AND GRADED AREAS.
 3. SHAPE BASIN SO THAT LONGEST FLOW AREA FACES LONGEST LENGTH OF TRAP.
 4. FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

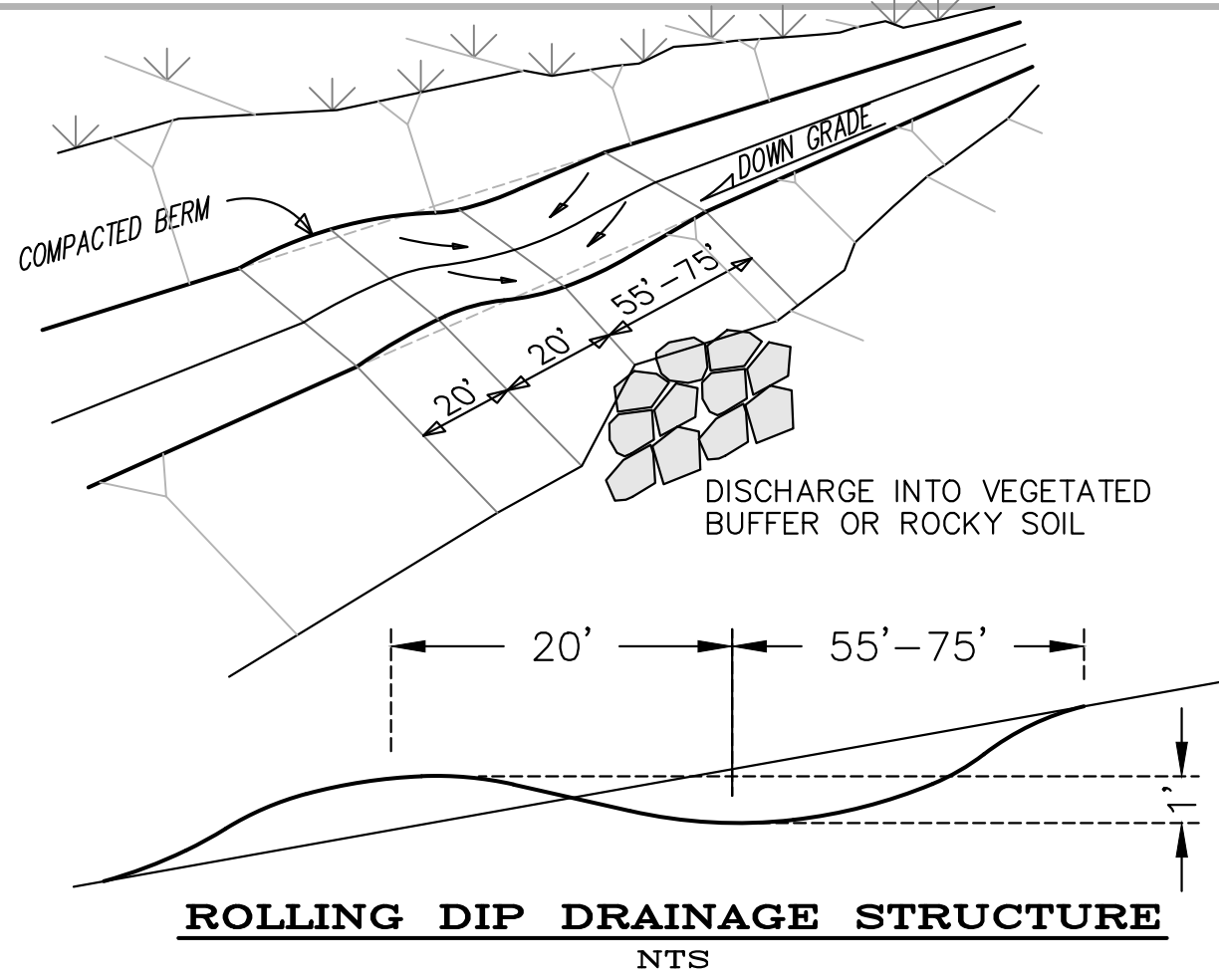


- DROP INLET PROTECTION NOTES:**
1. REMOVE SEDIMENT BEFORE REACHING ONE-THIRD FULL
 2. FOR USE IN PAVED AREAS.
 3. SHAPE BASIN SO THAT LONGEST FLOW AREA FACES LONGEST LENGTH OF TRAP.

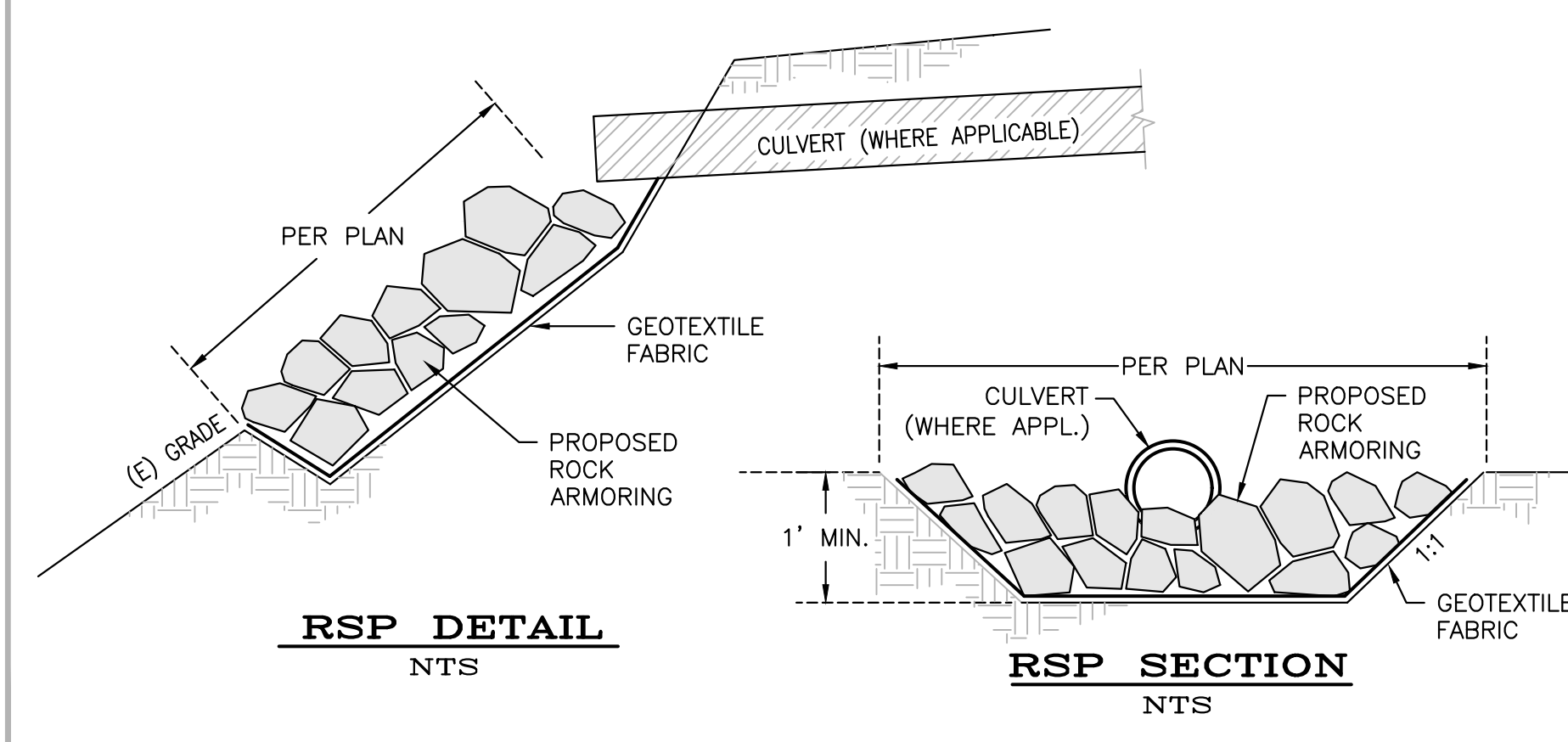


WATER BAR DRAINAGE STRUCTURE
NTS

- CONSTRUCTION NOTES:**
1. LOCATE DRAINAGE STRUCTURE WHERE THEY CAN TAKE ADVANTAGE OF NATURAL DRAINAGE FEATURES AND MINIMIZE EROSION.
 2. ALL DRAINAGE FEATURES SHALL BEGIN AT THE INTERSECTION OF THE ROADBED AND CUT SLOPE AND RUN ACROSS THE ENTIRE WIDTH OF THE ROADBED.
 3. THE CROSS SLOPE OF DRAINAGE FEATURES SHALL BE A MINIMUM 3%-5% GRADE.
 4. DRAINAGE FEATURES SHALL BE SURFACED WITH 4\"/>

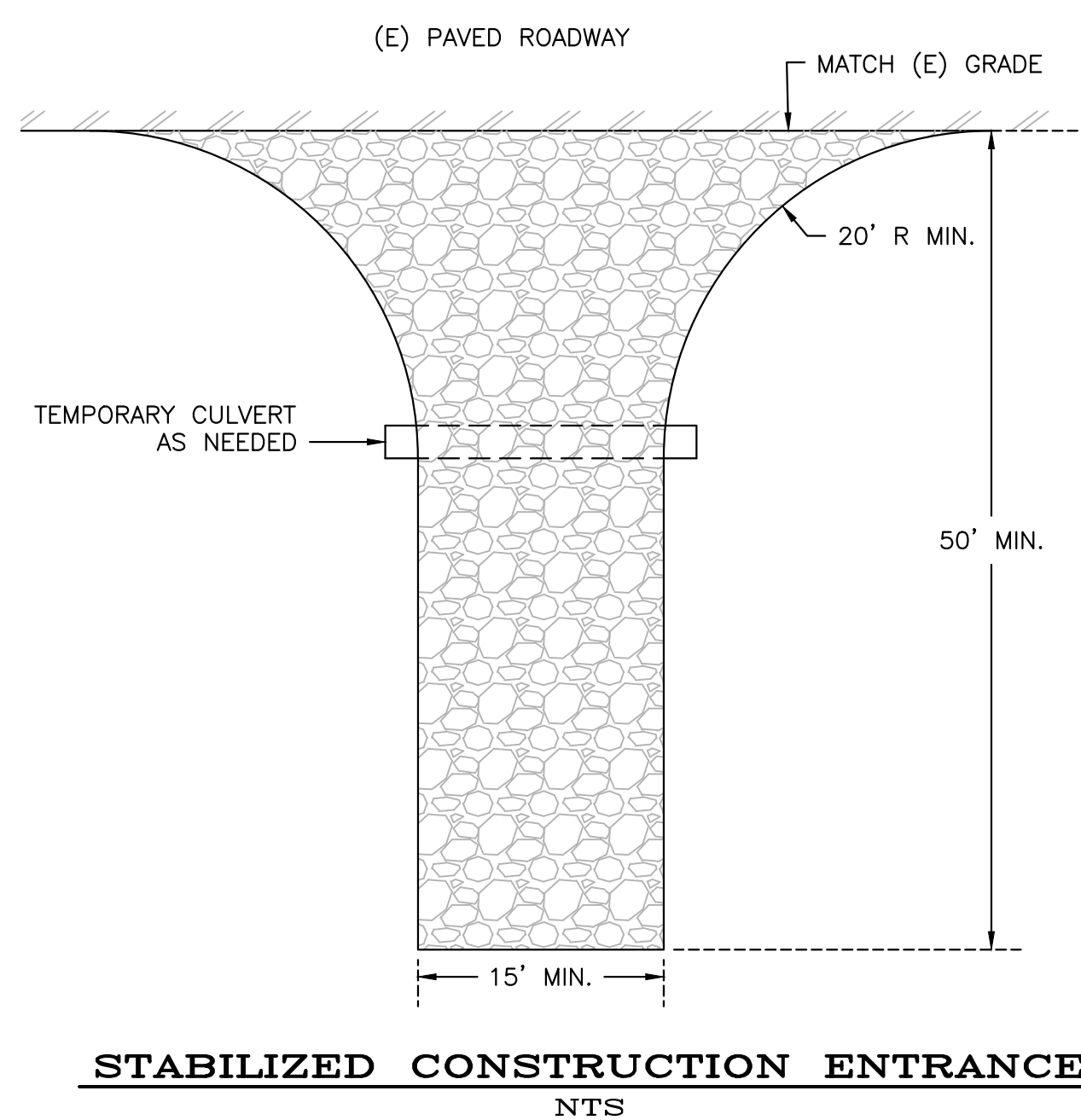


ROLLING DIP DRAINAGE STRUCTURE
NTS

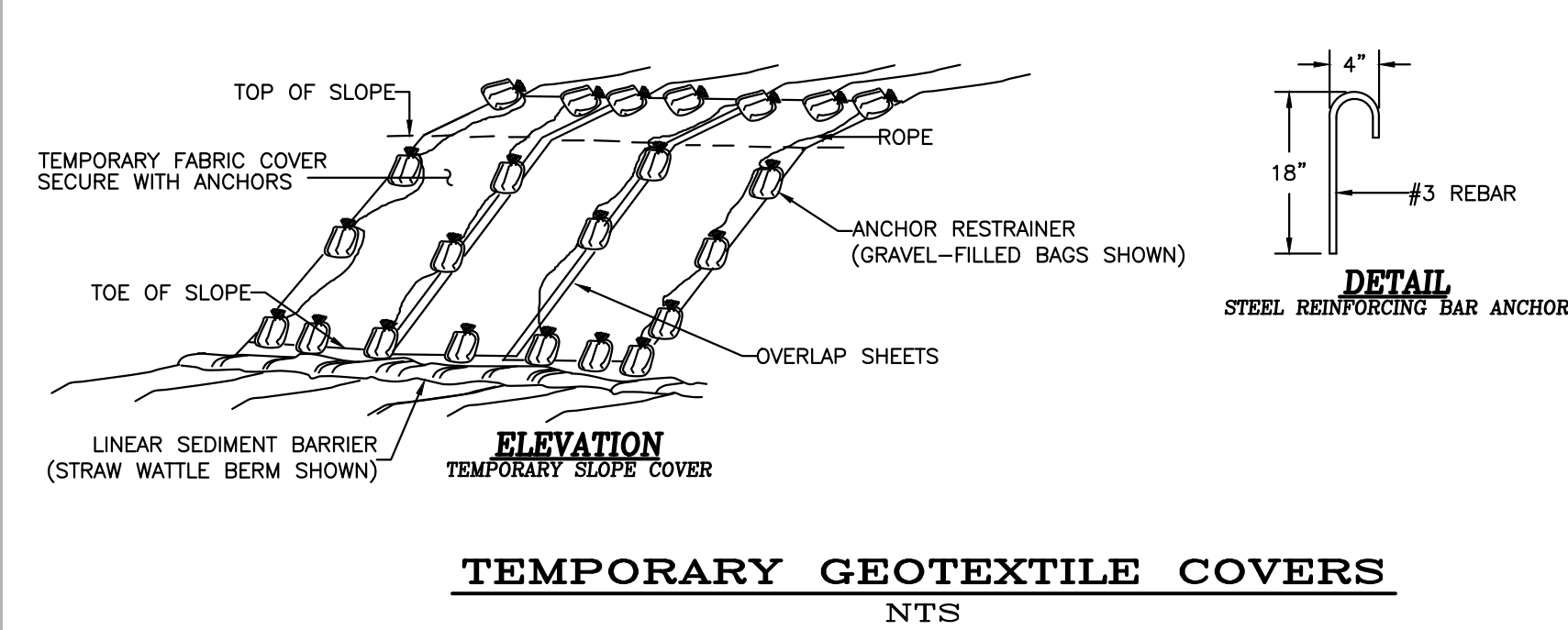


RSP DETAIL
NTS

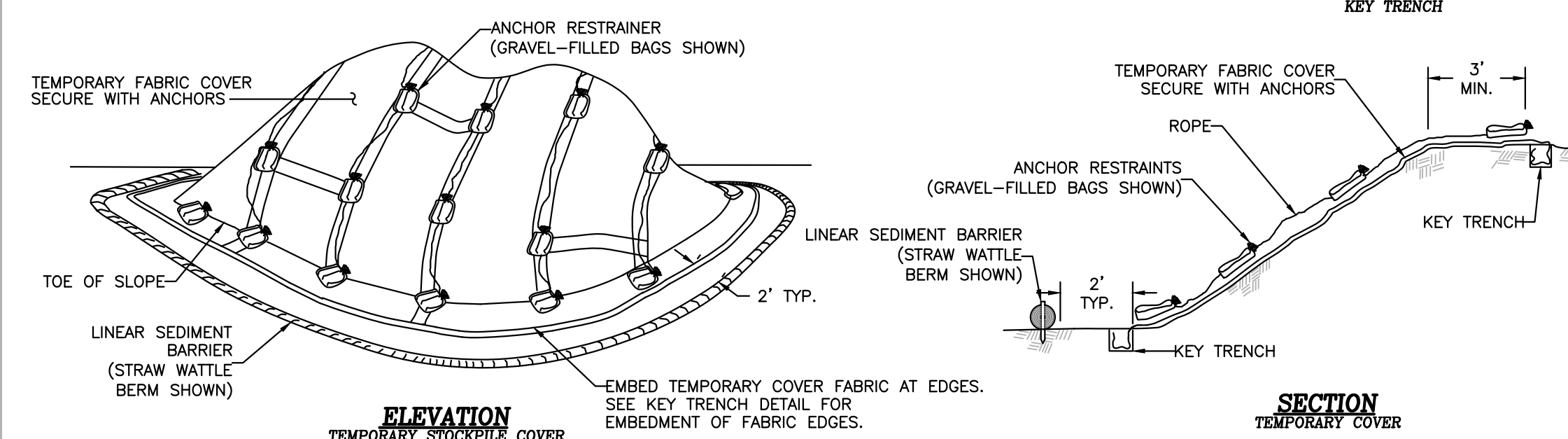
RSP SECTION
NTS



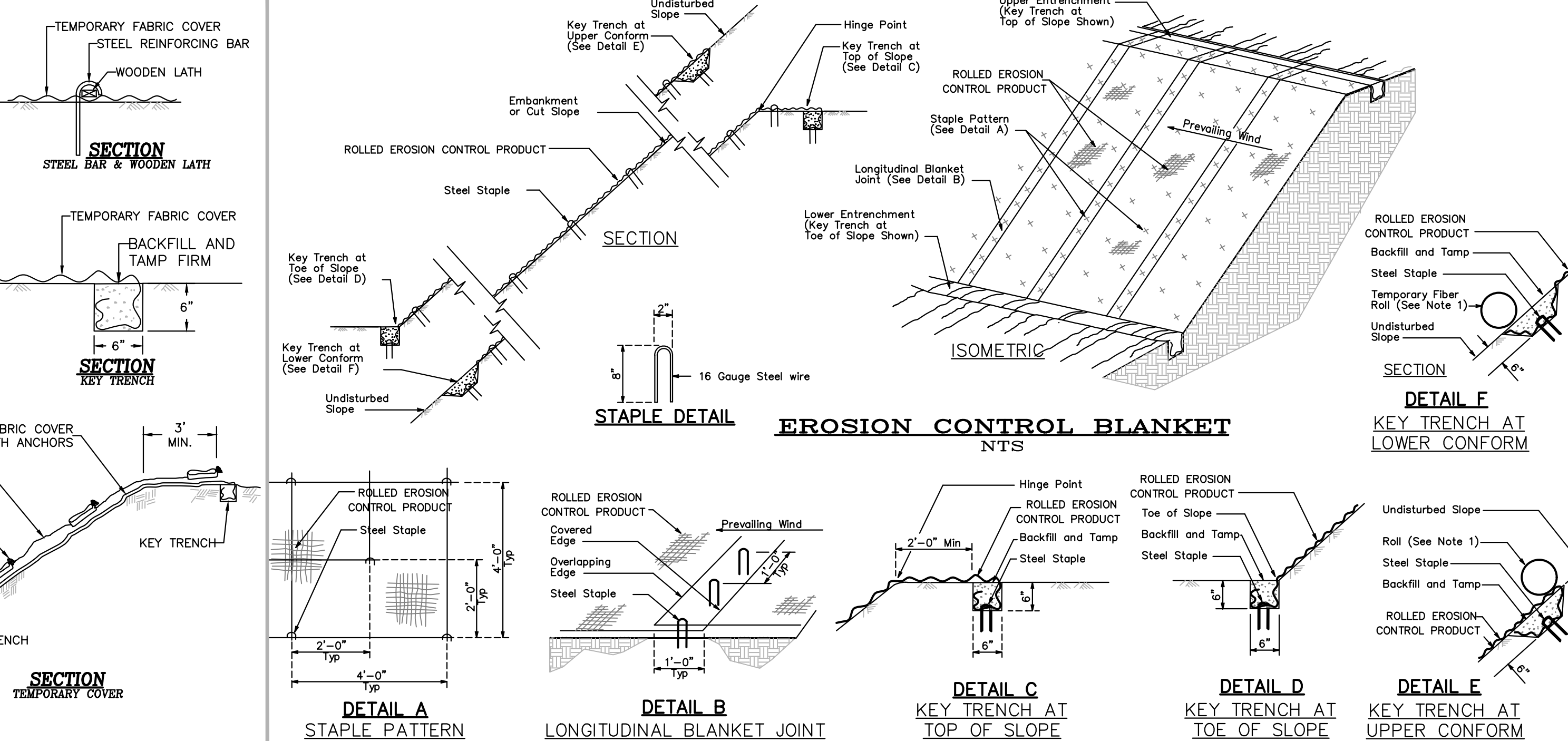
STABILIZED CONSTRUCTION ENTRANCE
NTS



TEMPORARY GEOTEXTILE COVERS
NTS



TEMPORARY SLOPE COVER
NTS



EROSION CONTROL BLANKET
NTS

DETAIL A
STAPLE PATTERN

DETAIL B
LONGITUDINAL BLANKET JOINT

DETAIL C
KEY TRENCH AT TOP OF SLOPE

DETAIL D
KEY TRENCH AT TOE OF SLOPE

DETAIL E
KEY TRENCH AT UPPER CONFORM

TVCE
67 WALNUT WAY
WILLOW CREEK, CA 95573
P:(530)629-3000
F:(530)629-3011

NO.	DESCRIPTION	DATE	REV

EROSION CONTROL DETAILS 2
VALADAO, ET AL ROAD DESIGN
1800 PICKETT ROAD, SUITE 119
MCLELLAN, CALIFORNIA 95951
APN 510-381-021
HUMBOLDT, CALIFORNIA

DATE OF ISSUE: FEB 2023

SCALE: AS SHOWN

PROJECT NO: 873.01

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