

Figure PCN 6-1. Proposed Project Vicinity

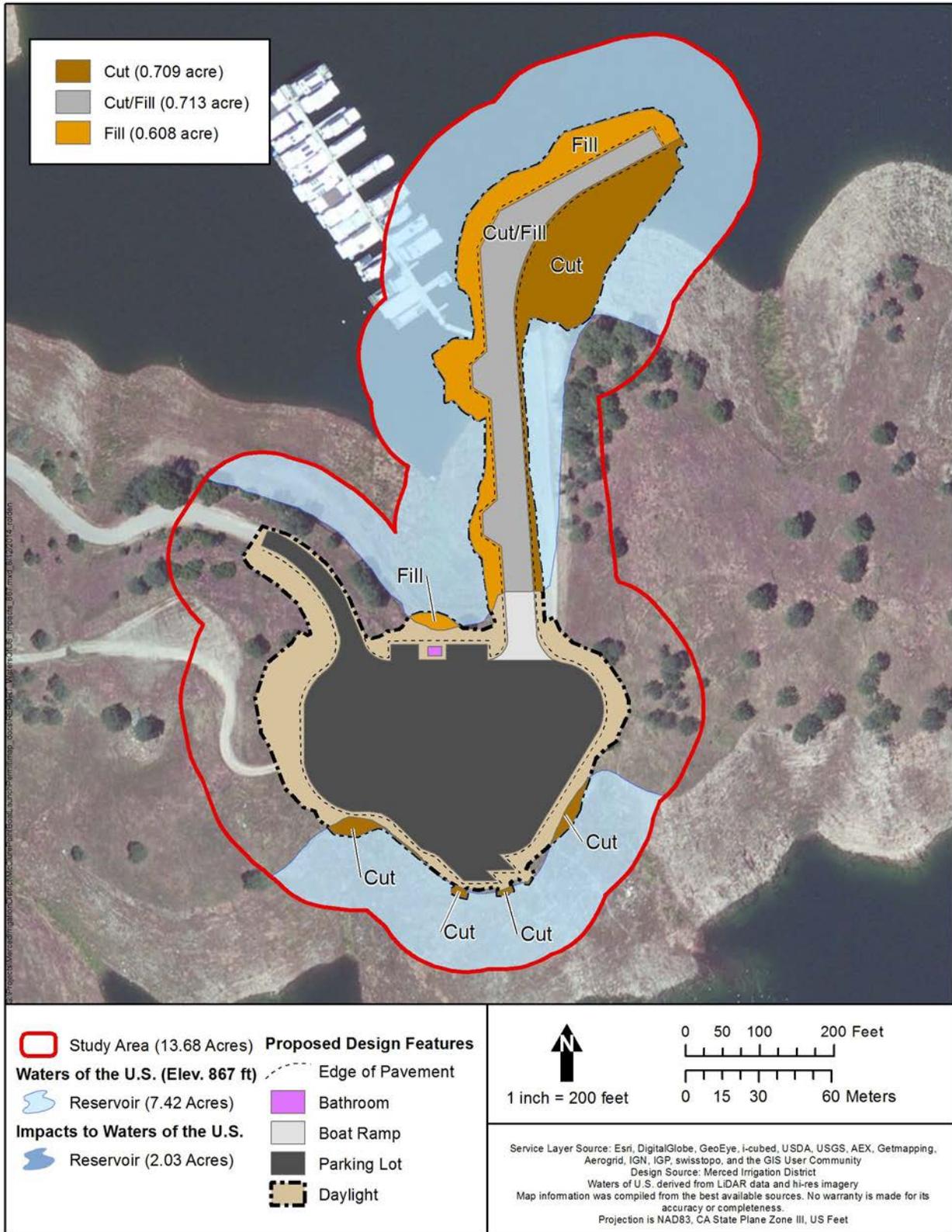
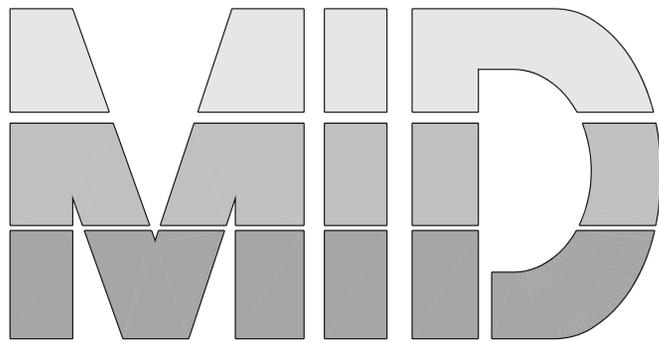


Figure 1. Areas of cut and fill in Waters of the US for the proposed McClure Boat Ramp Project.



MERCED IRRIGATION DISTRICT PARKS DEPARTMENT IMPROVEMENT PLANS FOR McCLURE POINT BOAT RAMP MID PROJECT # _____ DEPARTMENT OF BOATING AND WATERWAYS GRANT # 07-101-312 MERCED COUNTY, CALIFORNIA

GENERAL NOTES

THESE NOTES SHALL APPLY UNLESS INDICATED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS.

- A. GENERAL
 1. REFERENCE IN THESE NOTES AND PLAN SHEETS TO DISTRICT OR ENGINEER APPLIES TO MERCED IRRIGATION DISTRICT AND ITS PERSONNEL.
 2. REFERENCE IN THESE NOTES AND PLAN SHEETS TO CONSULTING ENGINEER APPLIES TO FREMMING, PARSON & PECCHENINO AND ITS PERSONNEL.
 3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION, AND/OR PREVAILING LOCAL CODES.
 4. VERIFY ALL DIMENSIONS BEFORE STARTING THE WORK.
 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OFFICE OF THE M.I.D. AT LEAST 2 (TWO) WORKING DAYS IN ADVANCE OF BEGINNING ANY PHASE OF WORK. (209) 722-5761
 6. CONSTRUCTION AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, (E.G., REPLACE PAVEMENT, RESEED GRASS AREAS, REPAIR DRIVEWAYS AND FENCES, REESTABLISH DRAINAGE DITCHES AND DRAINAGE PATTERNS, REINSTATE OR REPLACE CULVERT & SIGNS, REPAIR LANDSCAPING, SPRINKLER, ETC.)
 7. STATIONING IS APPROXIMATE AND IS FOR REFERENCE ONLY. ACTUAL DIMENSIONS SHALL TAKE PRECEDENCE OVER STATIONING. ACTUAL STATIONING MAY VARY FROM THE STATIONING SHOWN.
 8. INFORMATION ON EXISTING UTILITIES WAS TAKEN FROM THE DATA AVAILABLE. THE ENGINEER, DISTRICT AND CONSULTING ENGINEER ASSUME NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF SUCH RECORD DATA. THERE MAY BE EXISTING UTILITIES WHICH ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL KNOWN OR SUSPECTED UTILITY LOCATIONS IN THE FIELD BEFORE EXCAVATING TRENCHES. CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICES ALERT" FOR LOCATIONS OF UNDERGROUND UTILITIES TWO WORKING DAYS PRIOR TO EXCAVATING (CALL TOLL FREE 1-800-642-2444).
 9. CONTRACTOR SHALL CAREFULLY EXPOSE BY HAND EXCAVATION ANY INTERFERING EXISTING UTILITIES AND SHALL PROVIDE PROTECTION FOR THESE UTILITIES DURING NEW CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING THE REPAIR OF DAMAGED UTILITIES TO THE SATISFACTION OF THE APPLICABLE UTILITY COMPANY, AT HIS SOLE EXPENSE.
 10. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATION OF ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. COST OF THIS COORDINATION IS TO BE INCLUDED IN THE PRICES BID FOR THE VARIOUS IMPROVEMENTS TO COMPLETE THE PROJECT.
 11. WORK IS TO OCCUR WITHIN DISTRICT RIGHT-OF-WAYS AND EASEMENTS AS INDICATED ON DRAWINGS. CONTRACTOR SHALL STAY ON ESTABLISHED ROADWAYS AND LIMIT DISTURBANCE OF SURROUNDING NATIVE GROUND.
 12. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS, BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL, AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
 13. COMPACTION TESTS: THE MERCED IRRIGATION DISTRICT IS TO ARRANGE FOR ALL COMPACTION TESTS IN THE SPECIFIED AREAS ON THE PLANS, AT THE DISTRICT'S EXPENSE. RETESTS SHALL BE PAID BY THE CONTRACTOR.
 14. DUST CONTROL: APPROPRIATE DUST CONTROL TO BE PROVIDED, FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE, AT THE CONTRACTOR'S EXPENSE AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
 15. CONTRACTORS SHALL GIVE 48 HOURS ADVANCE NOTIFICATION TO DISTRICT FOR INSPECTIONS UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE. CONTACT M.I.D. ENGINEERING AT (209) 722-5761.
 16. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE DISTRICT AND THE CONSULTING ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DISTRICT, ENGINEERS AND CONSULTING ENGINEER.
 17. ALL WORK SHALL BE IN COMPLIANCE WITH CAL-OSHA CODES WITH ATTENTION DIRECTED TOWARDS SECTION 1541 DEALING WITH SLOPING AND SHORING TRENCH WALLS.
 18. A TRENCHING PERMIT WILL BE REQUIRED PER CALIFORNIA LABOR CODE, SECTION 6424, FOR ANY TRENCHING DEEPER THAN FIVE FEET.
 19. ALL IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MERCED IRRIGATION DISTRICT STANDARDS FOR WORK DONE WITHIN MERCED COUNTY RIGHT-OF-WAY AND THE 1997 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
 20. THE M.I.D. WILL PROVIDE THE FOLLOWING CONSTRUCTION STAKING IN THE ORDER SHOWN. EACH SET OF STAKES OR CORNERS WILL BE SET COMPLETE, AND REQUESTS FOR PARTIAL STAKING WILL BE DENIED, UNLESS APPROVED BY THE OWNER.
 - A. PROPERTY CORNERS, EASEMENT AND STRUCTURES.
 - B. PIPELINE: ALIGNMENT & CUT STAKES AT 100' ON CENTER AND FITTINGS.
 - C. THE CONTRACTOR SHALL PRESERVE ALL STAKES AND POINTS SET FOR LINES, GRADES, OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY, OR PROPERTY CORNERS, SHALL BE PAID FOR BY THE GENERAL CONTRACTOR AND SHALL BE WITHHELD FROM CONTRACTOR'S PAYMENTS.
 21. THIS FACILITY IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF BOATING AND WATERWAYS "LAYOUT, DESIGN AND CONSTRUCTION HANDBOOK FOR SMALL CRAFT BOAT LAUNCHING FACILITIES".
 22. REPRESENTATIVES OF THE DEPARTMENT OF BOATING AND WATERWAYS SHALL BE ALLOWED ACCESS TO ALL PARTS OF THE CONSTRUCTION WORK.
 23. CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR RECOMMENDATIONS REGARDING EARTHWORK AND GRADING OF THE CONSTRUCTION AREAS. SEE EXHIBIT A OF THE SPECIFICATIONS.

B. CONCRETE

1. CONCRETE SHALL HAVE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS AND UNIT WEIGHTS AS FOLLOWS:
V-GROOVE CONCRETE BOAT LAUNCHING RAMP 4000psi 6 Sack Type II Cement Max. Slump 3-4"
FOOTINGS, PIERS, AND SLABS ON GRADE 3000psi 150#/cf Max. Slump 3"
WALLS AND ALL OTHER CONCRETE 3000psi 150#/cf Max. Slump 4"
2. REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING:
REINFORCING FOR WELDED CONNECTIONS ASTM A706
ALL OTHER REINFORCING ASTM A615 GRADE 60
3. WELDING OF REINFORCING SHALL COMPLY WITH AWS STANDARD D1.4-79 AND REINFORCING SHALL BE PREHEATED. ALL WELDING OF REINFORCING BARS SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING THE FOLLOWING ELECTRODES:
A706 REINFORCING TO A706 REINFORCING AW A5.1 E90XX
4. BAR SPLICES SHALL BE AS SHOWN ON THE DRAWINGS EXCEPT BARS MARKED CONTINUOUS MAY BE LAP SPICED IN CONVENIENT LENGTHS. UNLESS OTHERWISE INDICATED THE LENGTH OF THE LAP SHALL BE 36 BAR DIAMETERS MINIMUM.
5. WIRE MESH SHALL CONFORM TO ASTM A185.
6. ALL CONCRETE REINFORCEMENT SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315 AND ACI 318.
7. CLEAR SPACING BETWEEN REINFORCING BARS SHALL BE A MINIMUM OF 1-1/2 BAR DIAMETERS, OR 1-1/2", OR 1-1/3 TIMES THE MAXIMUM AGGREGATE SIZE, WHICHEVER IS GREATER.
8. REINFORCING SHALL HAVE THE FOLLOWING MINIMUM PROTECTIVE COVER OF CONCRETE UNLESS NOTED:
 - a. CONCRETE POURED AGAINST GROUND. 3"
 - b. FORMED CONCRETE SURFACES IN CONTACT WITH GROUND. 2"
 - c. FORMED CONCRETE SURFACES EXPOSED TO WEATHER. 1 1/2"
 - d. FORMED CONCRETE SURFACES IN INTERIOR SPACES. 3/4"
 - e. COLUMN LONGITUDINAL REINFORCING. 2"
 - f. CONCRETE BOAT RAMP-TOP AND BOTTOM 3"
9. CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS OR SHALL BE APPROVED BY THE ENGINEER. SURFACES @ CONST. JOINTS SHALL BE CLEAN, FREE OF LAITANCE AND MECHANICALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4". CONTROL JOINTS ARE REQUIRED - SUBMIT PLAN FOR REVIEW PRIOR TO INSTALLATION CONSTRUCTION JOINTS SHALL BE PLACED AT ALL COLD JOINTS.
10. BOLTS SHALL CONFORM TO ASTM (A307/A325).
11. CONTRACTOR SHALL COORDINATE ALL WORK WHICH REQUIRES EMBEDMENT INTO POURED-IN-PLACE CONCRETE, SUCH AS WELD PLATES, ANCHOR BOLTS, ETC.
12. CONCRETE CURING COMPOUNDS SHALL BE WATER SOLUBLE AND BIODEGRADABLE. DIESEL SHALL NOT BE USED.
13. ALL CONSTRUCTION JOINTS TO HAVE ALL-WEATHER PRIMER (AWP) AND MIRASTOP WATERSTOP OR APPROVED EQUAL.
14. ALL EXPOSED CONCRETE EDGES TO HAVE 3/4" CHAMFER.
15. ALL CONSTRUCTION JOINTS TO BE APPROVED BY M.I.D. ENGINEER.

LEGEND

SEE SHEET C1 FOR LEGEND.

SHEET INDEX

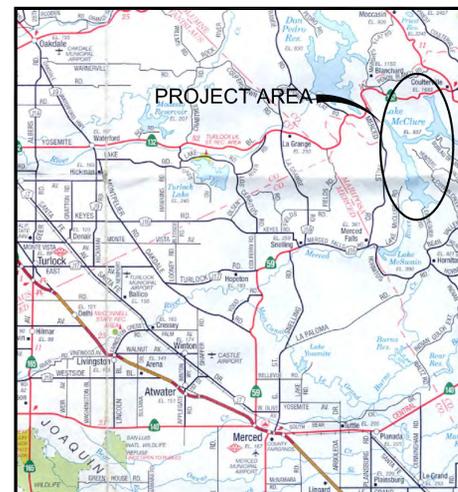
SHEET NO.	DESCRIPTION
T1	TITLE SHEET
C1	TOPOGRAPHIC SURVEY & DEMOLITION PLAN
C2	SITE PLAN
C3	GRADING AND UTILITY PLAN
C4	BOAT RAMP PROFILE
C5	PARKING LOT PROFILES
C6	CONSTRUCTION DETAILS
C7	BOAT RAMP DETAILS
C8	BOARDING FLOAT DETAILS
C9	BOARDING FLOAT DETAILS
C10	NOT USED
C11	NOT USED
C12	PROJECT SIGN DETAIL
C13	RESTROOM ELEVATIONS
C14	RESTROOM SECTIONS
C15	RESTROOM PLAN
C16	MISC. DETAILS
C17	ELECTRICAL PLAN
C18	ELECTRICAL DETAILS
C19	JOINT PATTERN PLAN

NOTE:

1. THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT FREMMING, PARSON AND PECCHENINO WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE ENTIRE PROJECT. IF, HOWEVER, THE CONSTRUCTION STAKING IS PERFORMED BY ANOTHER ENGINEERING OR SURVEYING FIRM, NOTICE IS HEREBY GIVEN THAT THE FIRM OF FREMMING, PARSON AND PECCHENINO WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OF OMISSIONS, IF ANY, WHICH MIGHT OCCUR IF ANOTHER FIRM DOES THE CONSTRUCTION STAKING, AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED OR MINIMIZED IF FREMMING, PARSON AND PECCHENINO HAD PERFORMED THE STAKING WORK.
2. IT IS RECOMMENDED THAT THE FIRM OF FREMMING, PARSON AND PECCHENINO BE RETAINED TO PERFORM FIELD OBSERVATIONS DURING CONSTRUCTION. FREMMING, PARSON AND PECCHENINO ASSUME NO RESPONSIBILITY FOR COMPLIANCE WITH THESE IMPROVEMENT PLANS UNLESS THE FIRM IS RETAINED TO PERFORM FIELD OBSERVATIONS DURING THE CONSTRUCTION PHASE.

CAUTION: UNAUTHORIZED CHANGES & USES

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.



LOCATION MAP

NOT TO SCALE

BENCHMARK

TBM #1
ELEV: 882.74 NGVD 29
N: 1044491.56, E: 5628807.89
PK NAIL IN EXISTING ASPHALT PAVEMENT.

TBM #7
ELEV: 908.17 NGVD 29
N: 1044485.27, E: 5629010.43
SET NAIL APPROX. 115' EAST OF TOE OF EAST BANK.

TBM #8
ELEV: 924.82 NGVD 29
N: 1044559.04, E: 5628504.51
SET NAIL APPROX. 80' WEST OF EXISTING WELL ON WEST BANK.

NOTE

INFORMATION ON EXISTING UTILITIES WAS TAKEN FROM THE DATA AVAILABLE. THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OF COMPLETENESS OF SUCH DATA. THERE MAY BE EXISTING UTILITIES WHICH ARE NOT SHOWN. ALL KNOWN OR SUSPECTED UTILITY LOCATIONS SHALL BE VERIFIED IN THE FIELD BEFORE EXCAVATING. NOTIFY "UNDERGROUND SERVICES ALERT" FOR LOCATIONS OF UNDERGROUND UTILITIES TWO WORKING DAYS PRIOR TO EXCAVATING. (CALL TOLL FREE 800-642-2444).

SECTION-DETAIL IDENTIFICATION

SECTION DETAIL NUMBER OR LETTER



SHEET FROM WHICH SECTION OR DETAIL IS TAKEN

M.I.D. NOTES

1. THE SIGNATURE OF THE MERCED IRRIGATION DISTRICT (MID) ON DRAWINGS CONSTITUTES MID'S APPROVAL OF THE SAME AS TO THE ENGINEERING ASPECTS THEREOF ONLY AND DOES NOT AUTHORIZE, EXPRESSLY OR IMPLICITLY THE CONSTRUCTION OF ANY ASPECT HEREOF OR THE INTERFERENCE WITH ANY PROPERTY, EQUIPMENT, OR INTEREST OF THE MID. NO SUCH CONSTRUCTION OR INTERFERENCE SHALL OCCUR UNTIL THE MID HAS OBTAINED, BY SEPARATE AGREEMENT SUCH AGREEMENTS AS MID DEEMS NECESSARY FOR THE PROTECTION OF ITS FACILITIES.
2. ALL CONSTRUCTION WITHIN THE MID RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE APPROVED DRAWINGS AND THE CURRENT EDITION OF MID STANDARDS AND CALTRANS STANDARD SPECIFICATIONS, AS APPLICABLE.
3. CONSTRUCTION WITHIN THE MID RIGHT-OF-WAY WILL NOT BE ALLOWED DURING THE IRRIGATION SEASON (MARCH 1 TO OCTOBER 31).
4. CONTRACTOR SHALL PROVIDE AN ALTERNATE STORM WATER REROUTE DURING CONSTRUCTION UNLESS DETERMINED OTHERWISE BY THE MID ENGINEER.
5. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
6. MID STANDARD DETAILS MAY REQUIRE MODIFICATIONS BASED ON FOUND FIELD CONDITIONS SUCH MODIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE MID ENGINEER.
7. CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
8. CAL-OSHA SAFETY REQUIREMENTS SHALL BE IN EFFECT DURING ALL CONSTRUCTION. SPECIAL SAFETY PRECAUTIONS SHALL BE TAKEN WHEN WORKING IN THE VICINITY OF GAS, OIL, OR ELECTRICAL LINES.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH CALIFORNIA GOVERNMENT CODE 4216, AS APPLICABLE, TO OBTAIN A DIG ALERT IDENTIFICATION NUMBER, CALL 800-227-2600 AT LEAST TWO WORKING DAYS BEFORE DIGGING UNDERGROUND.
10. THE MID WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE OBTAINED IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THE PLANS.
11. CONTRACTOR SHALL BE REQUIRED TO HAVE A PRE-CONSTRUCTION CONFERENCE WITH THE MID ENGINEER, PRIOR TO STARTING ANY WORK WITHIN THE MID RIGHT-OF-WAY.
12. EARTHFIL AND SUBGRADES SHALL BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION (ASTM D-1557) WITHIN THE MID RIGHT-OF-WAY, UNLESS DETERMINED OTHERWISE BY THE MID ENGINEER.
13. A SET OF APPROVED PLANS SHALL BE ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
14. ANY DAMAGES TO MID FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN A MANNER APPROVED BY THE MID ENGINEER AT THE SOLE COST OF THE CONTRACTOR.
15. ANY WORK WITHIN THE MID RIGHT-OF-WAY SHALL NOT BE DEEMED COMPLETE UNTIL THE MID ENGINEERING DEPARTMENT HAS BEEN PROVIDED WITH A SET OF AS-BUILT PLANS IN AUTO CAD R12 AND HARD COPY FORMATS.
16. CONTACT THE MERCED IRRIGATION DISTRICT ENGINEERING DEPARTMENT AT LEAST TWO WORKING DAYS PRIOR TO ANY CONSTRUCTION AND/OR NECESSARY INSPECTIONS. WORK WITHIN THE MID RIGHT-OF-WAY SHALL PROCEED IN A CONTINUOUS MANNER ONCE STARTED. THE MID ENGINEER SHALL BE NOTIFIED OF ANY WORK STOPPAGES. WHENEVER WORK IS TO RESTART, THE MID ENGINEER SHALL REQUIRE AN ADDITIONAL TWO WORKING DAYS NOTICE. THE MID ENGINEER SHALL ALSO BE CONTACTED A MINIMUM OF TWO WORKING DAYS PRIOR TO ALL CONSTRUCTION SCHEDULED ON A HOLIDAY OR WEEKEND. PHONE: 209-722-5761.

ABBREVIATIONS

AC	ASPHALT CONCRETE	INV IRP	IRRIGATION PIPE INVERT
BLDG C	BUILDING CORNER	INV.D	DITCH INVERT
BM	BENCHMARK	INVD T.D.L.	INVD TOP OF DITCH LINER
BROW	BUSH ROW	INVRP18	IRRIGATION PIPE INVERT W/SIZE
CABLE TEL	CABLE TELEVISION LINE	IRRP18	IRRIGATION PIPE W/SIZE
CABLELINE	CABLE TELEVISION LINE	IV	IRRIGATION VALVE
CABLEPOLE	CABLE POLE	IV 16	IRRIGATION VALVE W/SIZE
CL 12RD	CENTERLINE ROAD W/SIZE	LYB4	YELLOW LANE STRIPING
CL 15BRG	CENTERLINE BRIDGE W/SIZE	LDY4	DOUBLE YELLOW STRIPING
CL CAT18	CENTERLINE CATWALK W/SIZE	LSW12	12" STOP BAR
CL 12GATE	CENTERLINE GATE W/SIZE	LSY4	SINGLE YELLOW STRIPING
CLCAT18	CENTERLINE CATWALK W/SIZE	PEDET	TELEPHONE PEDESTAL
CLGATE12	CENTERLINE GATE W/SIZE	PP	POWER POLE
CLWALL10	CENTERLINE WALL W/SIZE	PP TEL	TELEPHONE POLE
CONC.	CONCRETE ELEVATION	PP TRAN	TELEPHONE POLE W/TRANSFORMER
CONC. COR	CONCRETE CORNER	PS	PUMP STATION
CONC. EDGE	CONCRETE EDGE	PUMP	PUMP
DL	DAYLIGHT - GRADE BREAK	RRTRAC/CKL	CENTERLINE RAILROAD TRACK
E PANEL	ELECTRICAL PANEL	SET BAR	SET BAR
EDGE RD	EDGE ROAD	SIGN	SIGN
EG	EXISTING GROUND SHOT	SIGN ST	STREET SIGN
EP	EDGE OF PAVEMENT	SIGNARROW	DIRECTIONAL SIGN
FC	FENCE CORNER	SIGNSTOP	STOP SIGN
FCW	WIRE FENCE CORNER	SIGNUG TEL	UNDERGROUND TELEPHONE MARKER
FE	FENCE END	SIGNUGGAS	GAS LINE MARKER
FD 75IP	FOUND 3/4" IRON PIPE	SP 30	STANDPIPE W/SIZE
FD 1IP	FOUND 1" IRON PIPE	TDL	TOP OF CONCRETE DITCH LINER
FD BAR	FOUND BAR	TDB	TOP OF BANK
FE	FENCE END	TOC	TOP OF CURB
FLW	WIRE FENCE LINE	TOE	TOE OF BANK
FCW	WIRE FENCE CORNER	TOL	TOP OF LINER
GA	GUY ANCHOR	TREE12	TREE W/SIZE
GAS	GAS MARKED	UGGAS	GAS LINE MARKED
GB	GRADE BREAK	UGTEL	UNDERGROUND TELEPHONE MARKED

APPROVALS

MERCED IRRIGATION DISTRICT

BY: **BRYAN KELLY, SENIOR ENGINEER WATER RESOURCES** DATE: _____



DR. BY: JS
APPR. BY: _____
DATE 05/14/12
FILE M00909As.DWG

M009-2009A

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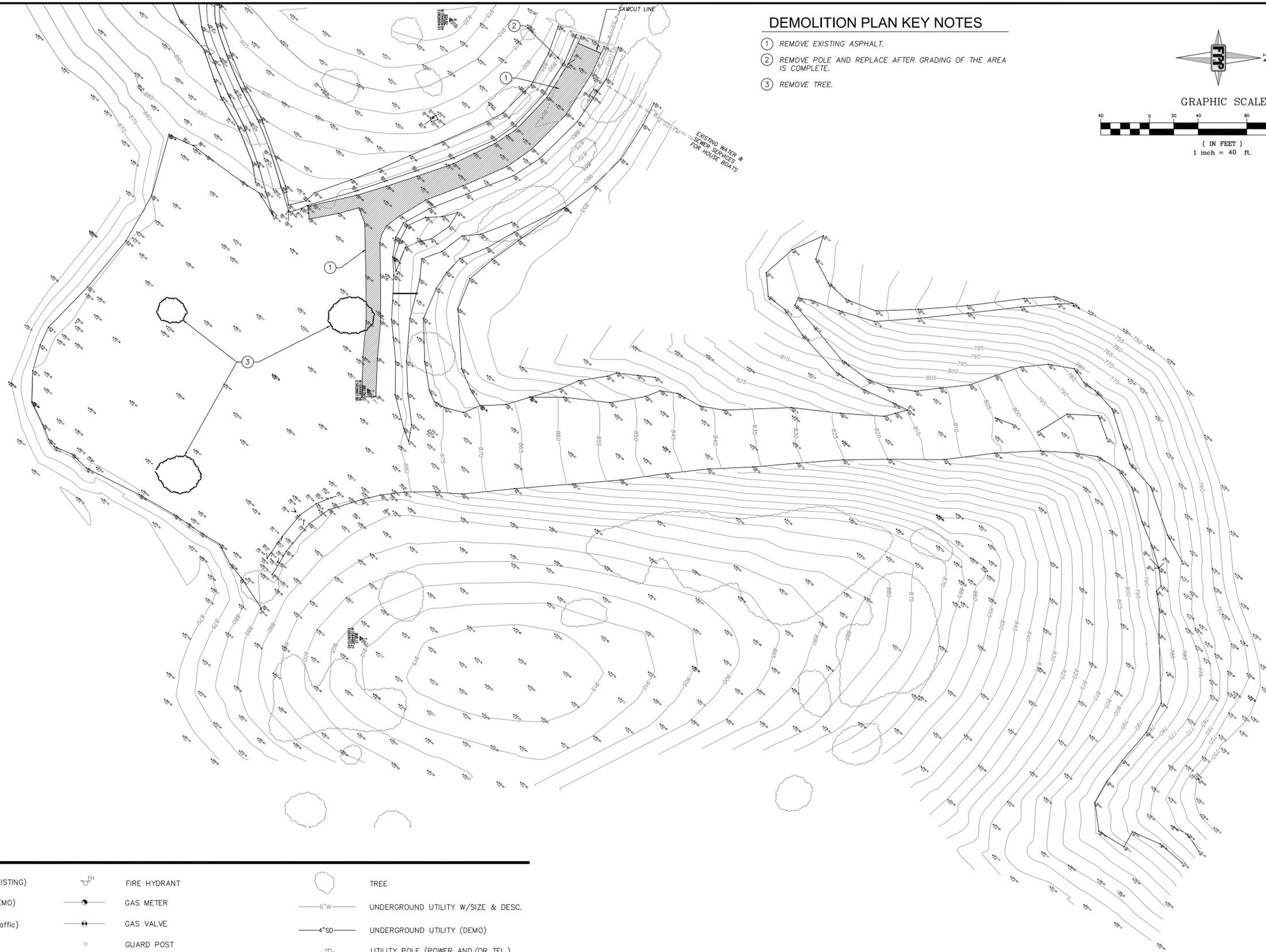
FREMMING, PARSON & PECCHENINO
2816 PARK AVENUE
MERCED, CA 95348-3375
TELE: (209) 723-2066
www.fpp.com



IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
McCLURE POINT BOAT RAMP
MERCED COUNTY, CALIFORNIA

CONSULTING CIVIL ENGINEERS - LAND SURVEYORS

CONSULTING CIVIL ENGINEERS - LAND SURVEYORS

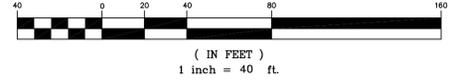


DEMOLITION PLAN KEY NOTES

- ① REMOVE EXISTING ASPHALT.
- ② REMOVE POLE AND REPLACE AFTER GRADING OF THE AREA IS COMPLETE.
- ③ REMOVE TREE.



GRAPHIC SCALE



LEGEND

	ASPHALT PAVEMENT (EXISTING)		FIRE HYDRANT		TREE
	ASPHALT PAVEMENT (DEMO)		GAS METER		UNDERGROUND UTILITY W/SIZE & DESC.
	BOX (Elec., T.V., Tel. Traffic)		GAS VALVE		UNDERGROUND UTILITY (DEMO)
	BUILDING (NEW)		GUARD POST		UTILITY POLE (POWER AND/OR TEL.)
	CATCH BASIN (NEW)		MANHOLE (GAS, SS, SD, TEL. OR MISC.)		VAULT
	CLEANOUT		SIGN		WATER METER
	CONCRETE PAVEMENT (NEW)		STAND PIPE		WATER VALVE
	ELECTRIER		TOPOGRAPHIC SURVEY POINT W/ELEV. & DESC.		

TOPOGRAPHIC SURVEY & DEMOLITION PLAN

FREMING PARSON & PECCHENINO
 2816 PARK AVENUE
 MERCED, CA 95348-3375
 TEL: 209-938-2066
 WWW.FPPENG.COM



**IMPROVEMENT PLANS FOR
 MERCED IRRIGATION DISTRICT
 MCCLURE POINT BOAT RAMP**
 MERCED, CALIFORNIA

DR. BY: SAS
 APPR. BY: [Signature]
 DATE: 05/14/12
 FILE: M00909A

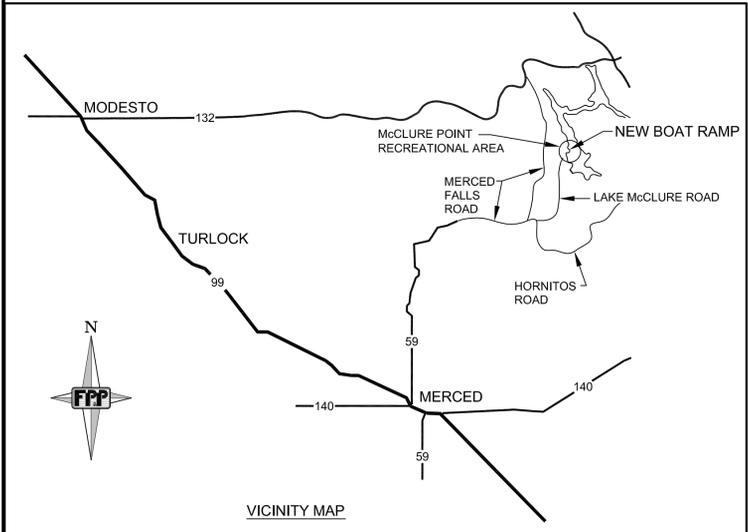
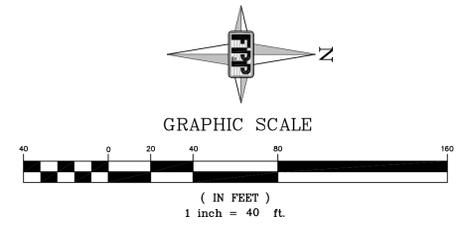
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SITE PLAN KEY NOTES

- 1 NEW PROJECT SIGN. SEE DETAIL 1/C12.
- 2 REPLACE POLE AFTER GRADING OF THE AREA IS COMPLETE.
- 3 NEW RESTROOM. SEE SHEETS C13 THROUGH C15 FOR DETAILS.
- 4 NEW CONCRETE BENCH. SEE DETAIL 2/C6.
- 5 NEW V-GROOVE CONCRETE BOAT RAMP. MAXIMUM 15% SLOPE. SEE DETAILS 1 THROUGH 8, SHEET C7.
- 6 NEW OFFSHORE ANCHOR BLOCK. SEE DETAIL 7/C9.
- 7 THREE 8' X 20' BOARDING FLOATS. SEE SHEETS C8 AND C9 FOR DETAILS.
- 8 60' TURN-AROUND AREA AS PER SECTION 2.201.C OF BOATING AND WATERWAYS "LAYOUT, DESIGN AND CONSTRUCTION HANDBOOK FOR SMALL CRAFT BOAT LAUNCHING FACILITIES".
- 9 NEW ASPHALT SECTION: 2" A.C., OVER 6" CLASS II A.B., OVER 6" NATIVE COMPACTED AT MIN. 95% R.C. SEE DETAIL 6/C6.
- 10 NEW CONCRETE WALK. SEE DETAIL 2/C16.
- 11 NEW VERTICAL DEEP CURB. SEE DETAIL 1/C16.
- 12 HANDICAP PARKING STRIPING, 8' WIDE, ADJACENT TO VAN ACCESSIBLE PARKING STALL. SEE DETAIL 6/C16.
- 13 HANDICAP PARKING STRIPING, 5' WIDE. SIMILAR TO DETAIL 6/C16.
- 14 CAR/TRAILER PARKING STALLS SHALL BE 10' X 40'.
- 15 REGULAR SINGLE CAR PARKING STALLS SHALL BE 9' X 20'.
- 16 NEW PARKING LOT LIGHTING. SEE DETAIL 9/C7.
- 17 NEW HANDRAIL. SEE DETAIL 1/C6.
- 18 SOLID WHITE PAINTED ISLAND. SEE DETAIL 7/C16.
- 19 HANDICAP ACCESS RAMP. SEE DETAIL 5/C16.
- 20 HANDICAP ACCESSIBLE PARKING SIGNAGE. SEE DETAIL 4/C16.
- 21 NEW PAINTED TRAFFIC ARROWS. SEE DETAIL 3/C16.
- 22 1/4 TON CLASS ROCK SLOPE PROTECTION. SEE DETAIL 6/C7 OR 7/C7 AS APPROPRIATE. MUST EXTEND A MINIMUM OF 5 FEET BEYOND TOE OF RAMP.
- 23 NEW ONSHORE ANCHOR BLOCK. SEE DETAIL 6/C9.
- 24 STRIPING TO INDICATE NO PARKING IN THIS AREA.



NO.	DATE	BY	REVISION MADE
1			
2			
3			
4			
5			

SITE PLAN

FREMING PARSON & PECCHENINO
 2816 PARK AVENUE
 MERCED, CA 95348-3375
 TEL: 209-251-2066
 WWW.FPPGROUP.COM



**IMPROVEMENT PLANS FOR
 MERCED IRRIGATION DISTRICT
 MCCLURE POINT BOAT RAMP**
 MERCED, CALIFORNIA

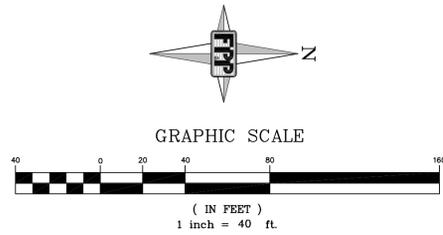
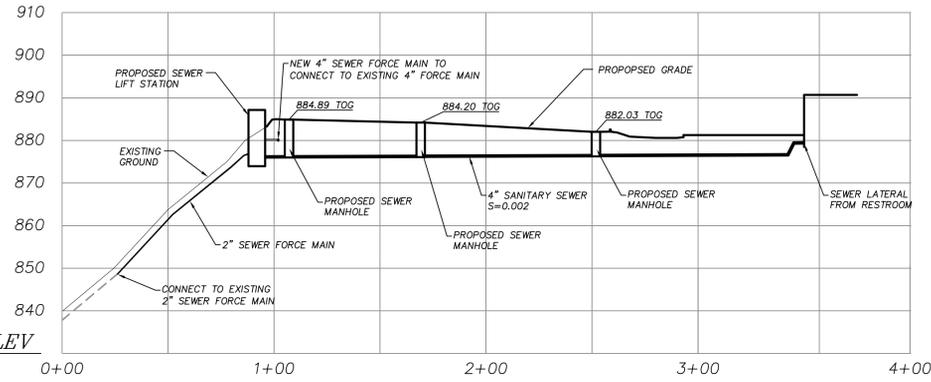
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SEWER LINE PROFILE



GRADING AND UTILITY PLAN KEY NOTES

- 1 ALL NEW STORM DRAIN LINES SHALL BE PVC AND CONFORM TO ASTM D3034 SDR35, SIZE AS INDICATED. 3' MINIMUM COVER. SEE DETAILS 4/C6 AND 5/C6 FOR TRENCHING AND BACKFILL DETAILS.
- 2 NEW CATCH BASIN. SEE DETAIL 9/C16.
- 3 NEW ROADSIDE DITCH. SEE DETAIL 11/C16.
- 4 NEW TYPE I STORM DRAIN OUTLET. SEE DETAIL 10/C16.
- 5 NEW SEWER LIFT STATION. SHALL BE FLYGT PRESSURE SEWER PACKAGED PUMP STATION, MODEL 3085 OR APPROVED EQUAL.
- 6 NEW SANITARY SEWER PIPE SHALL BE PVC AND CONFORM TO ASTM D3034 SDR35, SIZE AS INDICATED. 3' MINIMUM COVER. SEE DETAILS 4/C6 AND 5/C6 FOR TRENCHING AND BACKFILL DETAILS.
- 7 NEW WATER PIPELINE, SIZE AS INDICATED. PIPE SHALL BE PVC C900, CLASS 200. 3' MINIMUM COVER. SEE DETAILS 4/C6 AND 5/C6 FOR TRENCHING AND BACKFILL DETAILS.
- 8 NEW CATCH BASIN WITHIN A DITCH. SEE DETAIL 8/C16.
- 9 1/4 TON CLASS ROCK SLOPE PROTECTION. SEE DETAIL 6/C7 OR 7/C7 AS APPROPRIATE. MUST EXTEND A MINIMUM OF 5 FEET BEYOND TOE OF RAMP.
- 10 SLOPE FINISH GROUND AT 3% FOR 3-5 FEET, AS INDICATED.
- 11 2' GRAVEL SHOULDER SLOPED AT 5%.
- 12 CONNECT TO EXISTING WELL SYSTEM.
- 13 NEW SANITARY SEWER MANHOLE. SEE DETAIL 3/C6.
- 14 CONNECT TO EXISTING 2" SEWER FORCE MAIN.
- 15 CONNECT TO EXISTING 4" SEWER FORCE MAIN.
- 16 DUE TO LOOSE SOILS, LOWER RAMP AREA MAY REQUIRE ADDITIONAL EXCAVATION PRIOR TO CONSTRUCTION OF CONCRETE RAMP. SEE SECTION 5.1 OF GEOTECHNICAL REPORT (EXHIBIT A OF THE SPECIFICATIONS) FOR DETAILS AND RECOMMENDATIONS.

GENERAL NOTE:

CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR RECOMMENDATIONS REGARDING EARTHWORK AND GRADING OF THE CONSTRUCTION AREAS. SEE EXHIBIT A OF THE SPECIFICATIONS.

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GRADING & UTILITY PLAN

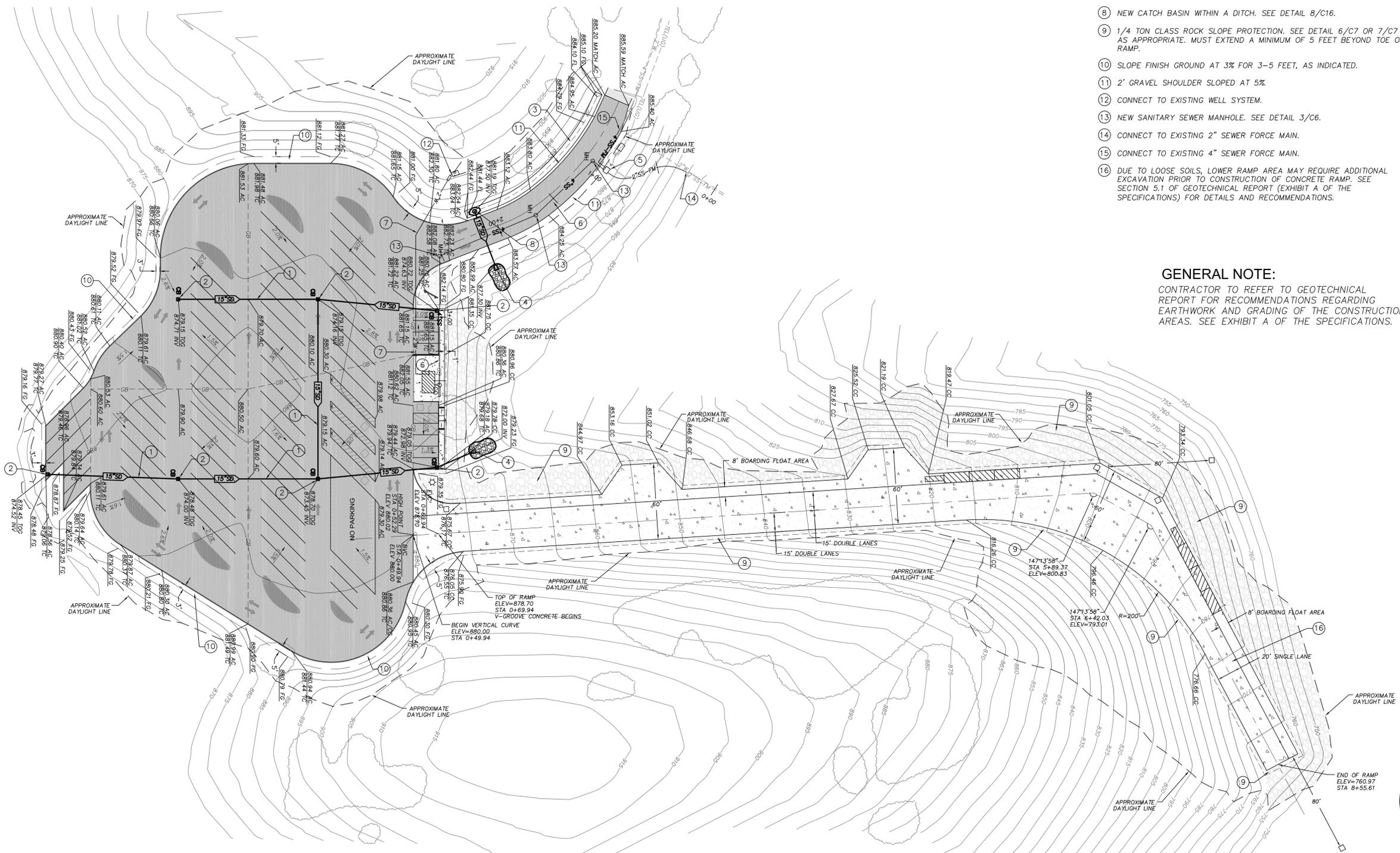
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 2816 PARK AVENUE
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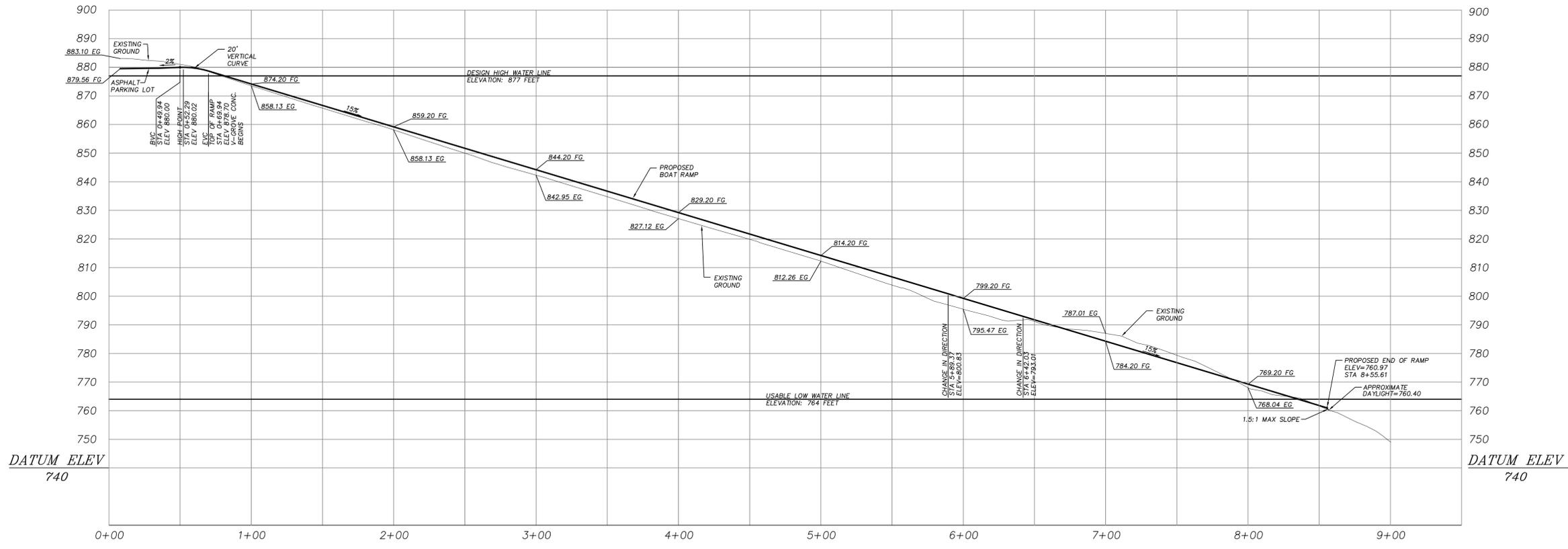
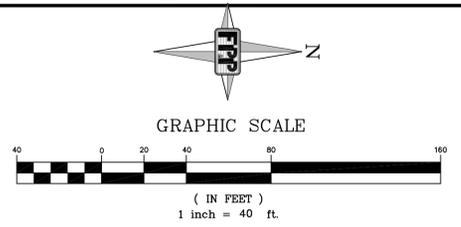
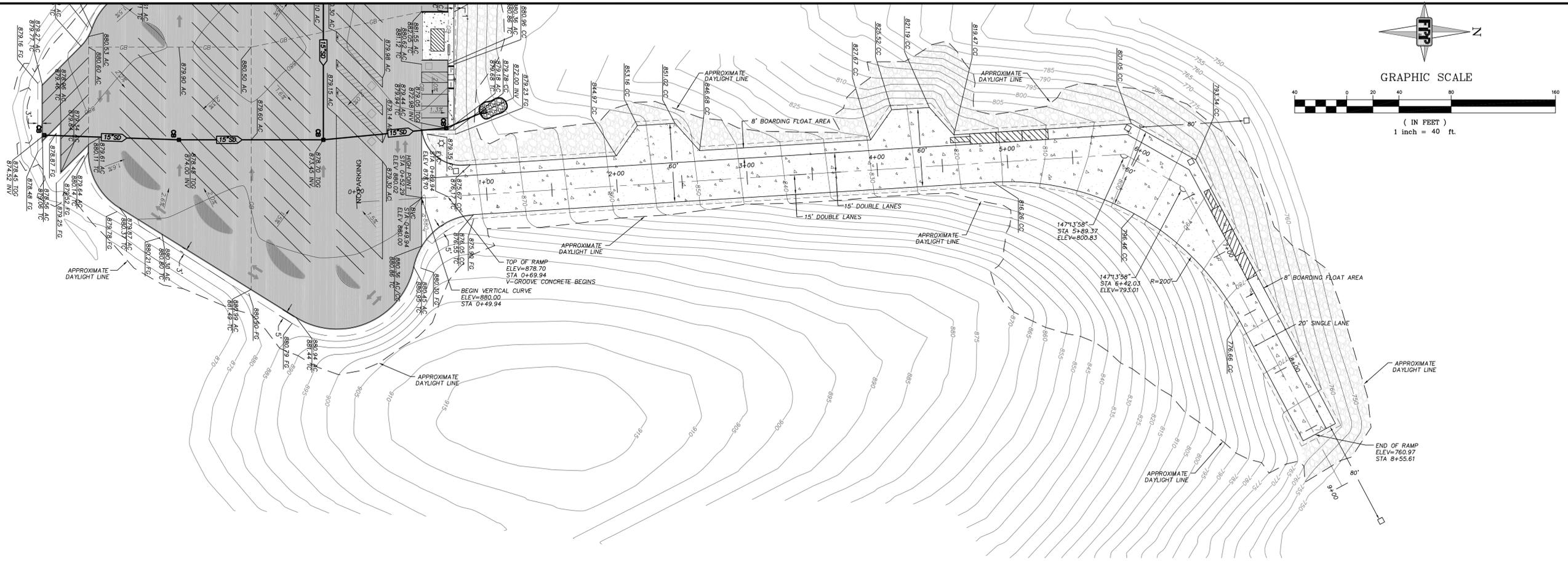


IMPROVEMENT PLANS FOR
 MERCED IRRIGATION DISTRICT
 MCCLURE POINT BOAT RAMP
 MERCED, CALIFORNIA

DR. BY: SAS
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BOAT RAMP

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IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
MCCLURE POINT BOAT RAMP
MERCED, CALIFORNIA

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& PECCHENINO**
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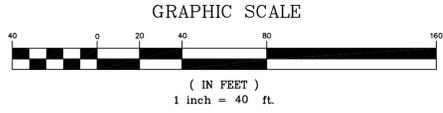
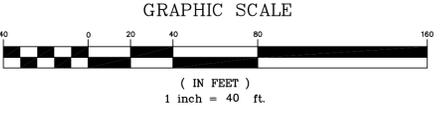
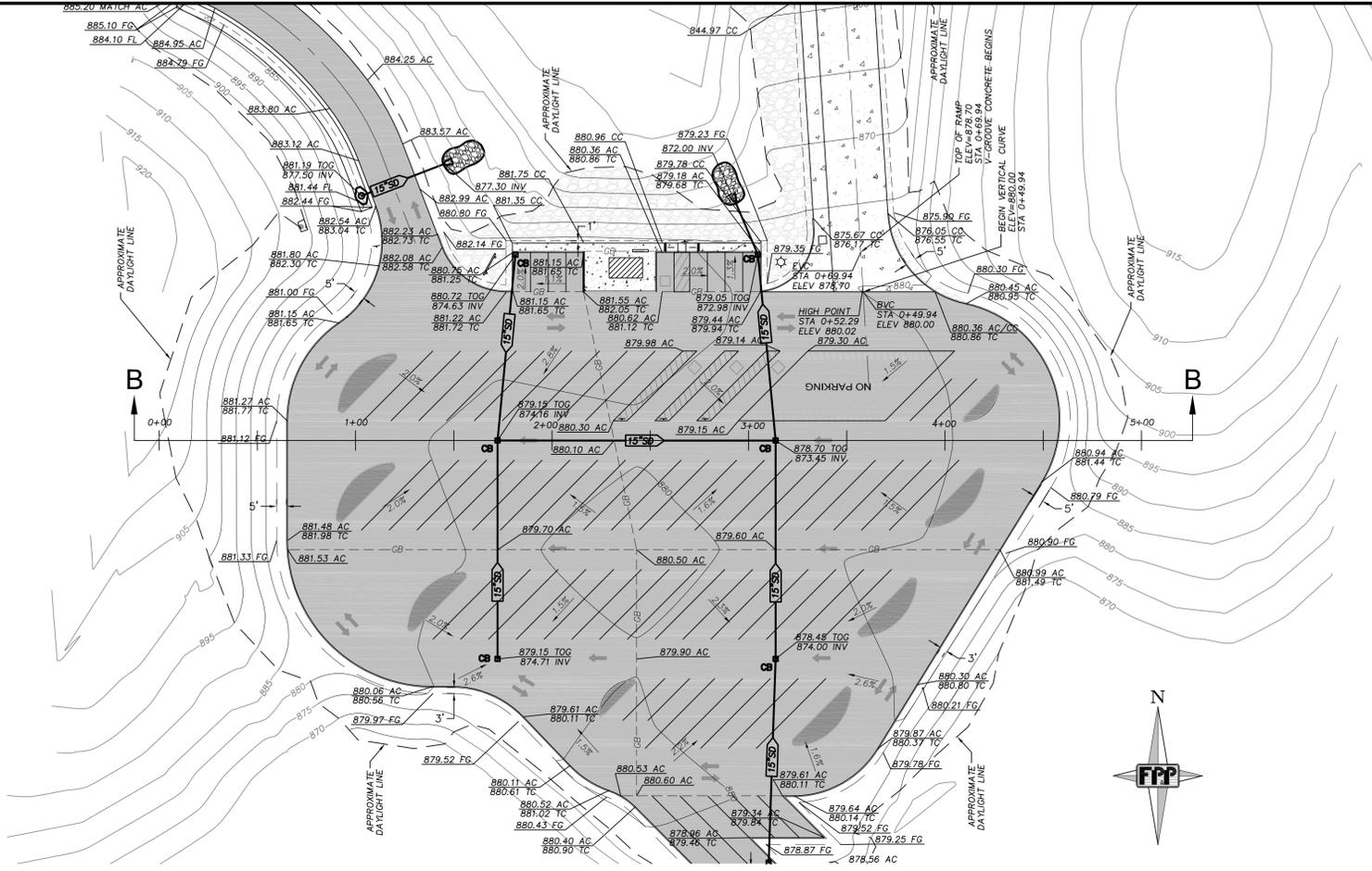
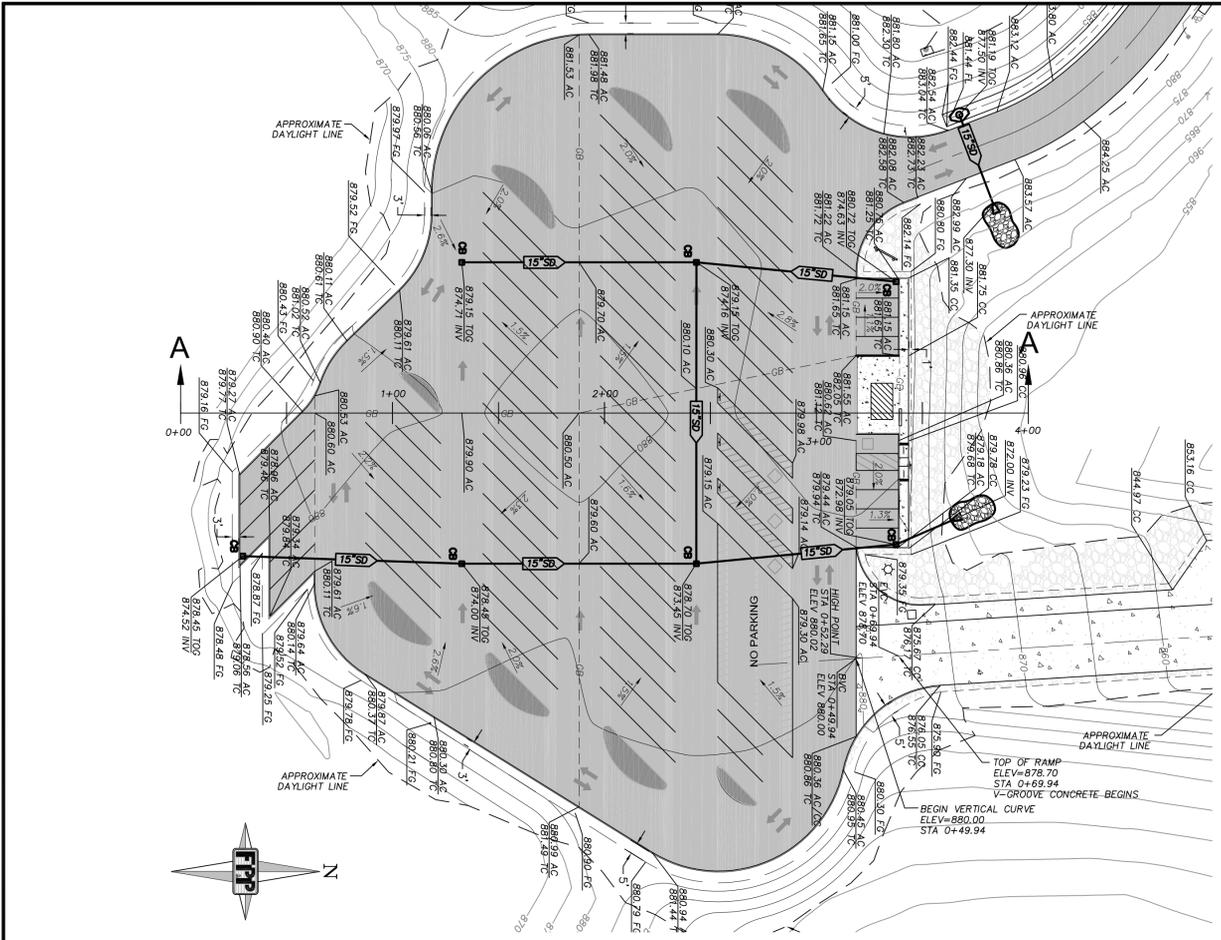
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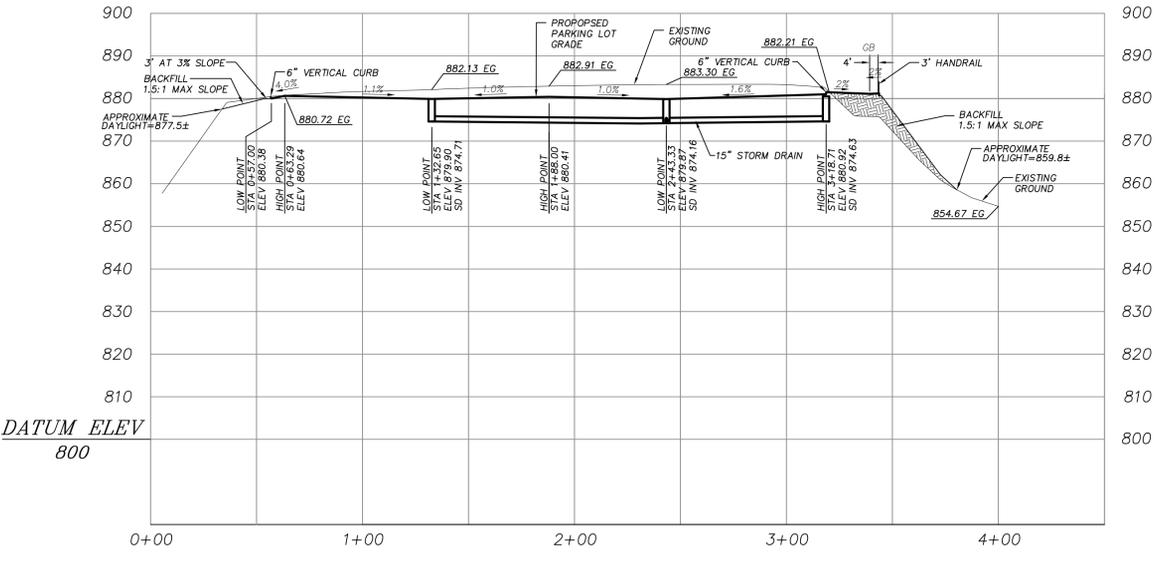
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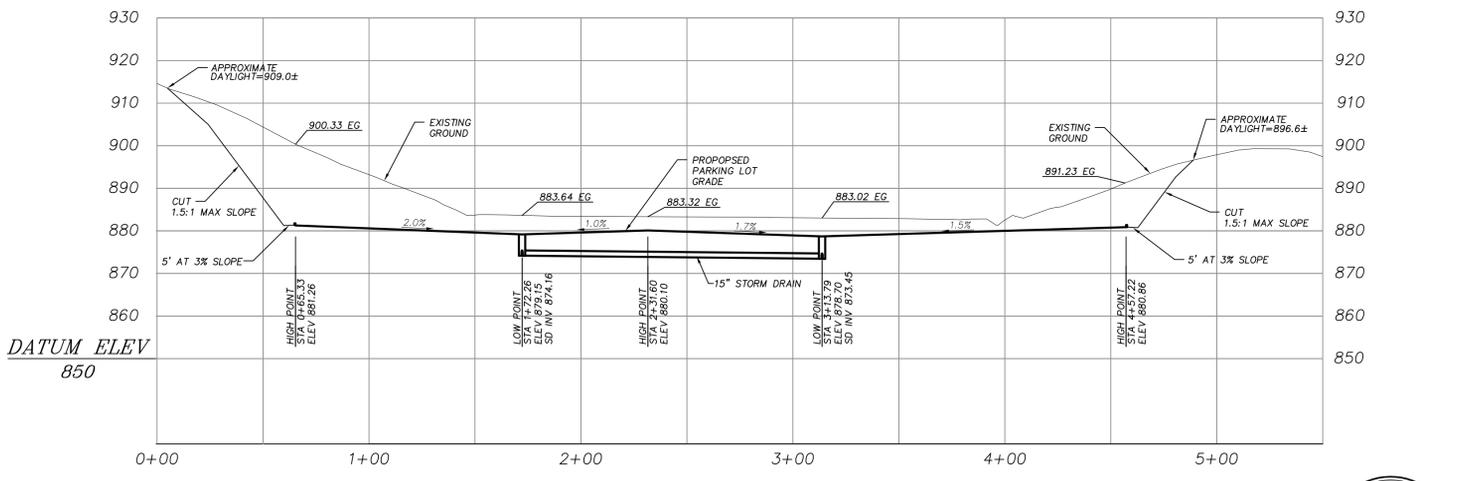


SECTION A-A



PARKING LOT N-S

SECTION B-B



PARKING LOT E-W

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PARKING LOT PROFILES

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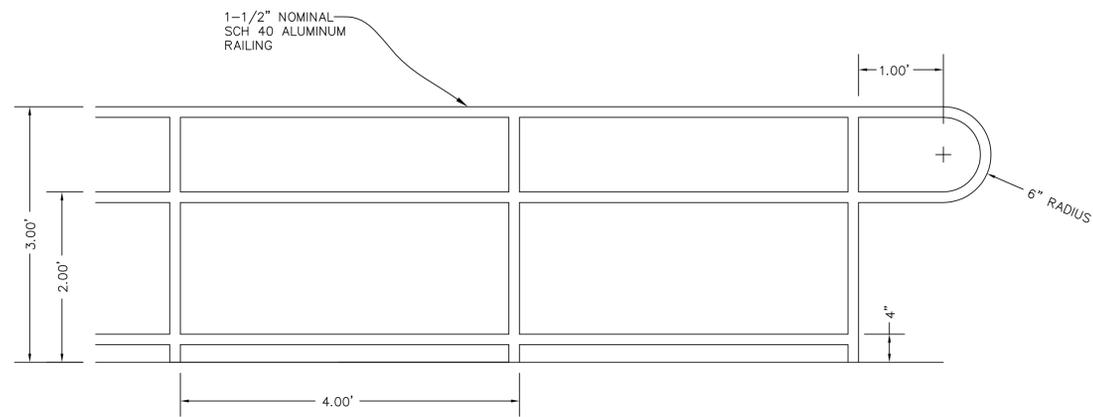
IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
MCCLURE POINT BOAT RAMP
MERCED, CALIFORNIA

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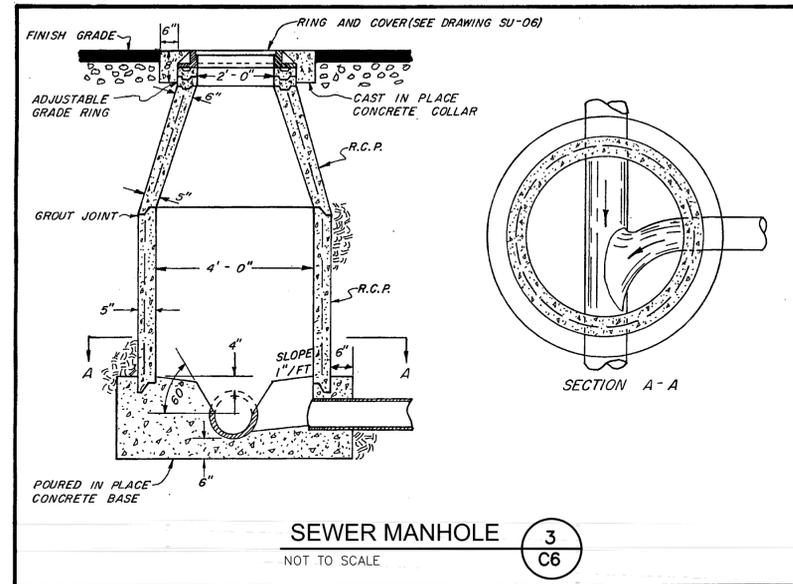
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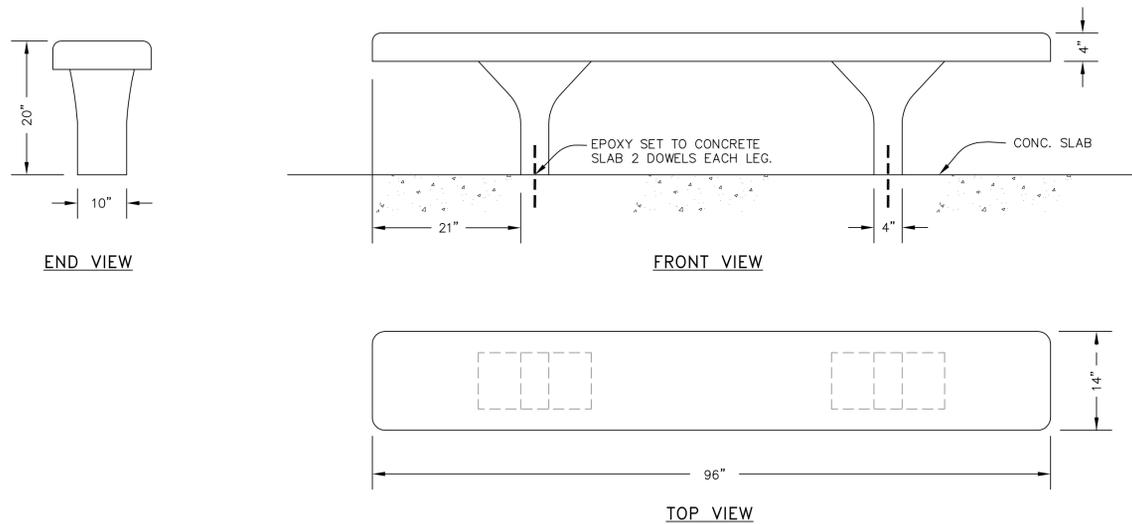
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HANDRAIL DETAIL 1
NOT TO SCALE C6



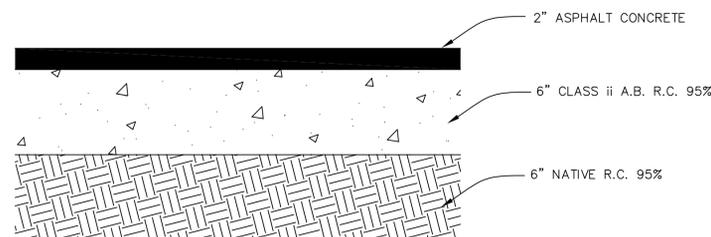
SEWER MANHOLE 3
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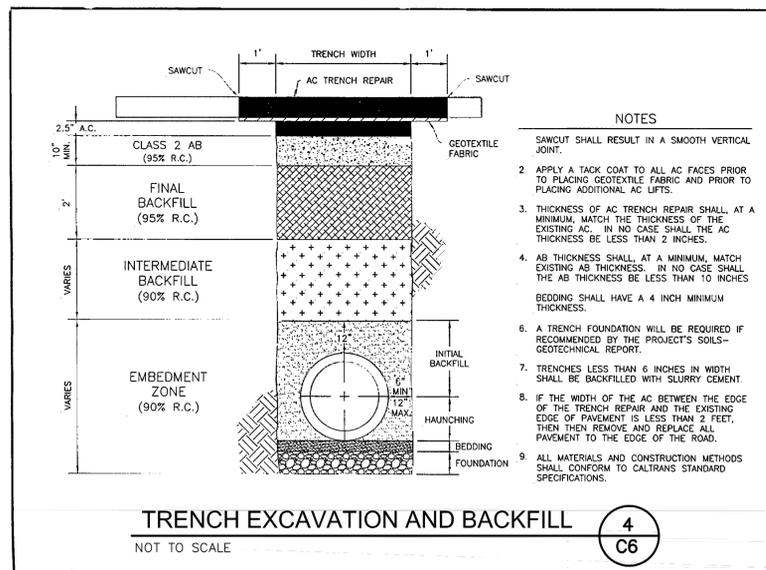
BENCH DETAIL 2
SCALE 1" = 1' C6

NOTES:

- MINIMUM THICKNESS OF ALL AREAS TO BE 4 INCHES.
- BENCHES ARE CAST IN ONE INTEGRAL PIECE AS SUPPLIED BY OUTDOOR CREATIONS (530 337-6774), MODEL NO. 404 OR APPROVED EQUAL.
- COLORING AGENTS ARE TO BE PURE MINERAL OXIDES AND SHALL BE MIXED INTEGRALLY WITH CEMENT.
- CONCRETE MIX DESIGN TO INCLUDE SIX SACKS PORTLAND CEMENT PER YARD WITH MAXIMUM ROCK SIZE OF 3/4" REINFORCED WITH #4 AND #5 REBAR GRID. CURED CONCRETE SHALL ATTAIN MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I.
- ALL FORMED SURFACES AND EDGES SHALL BE FULLY ROUNDED AND SMOOTH FINISHED. FINISH OF ALL EXPOSED SURFACES TO HAVE A CONCRETE GRAFFITI-RESISTANT SEALER APPLIED.



ASPHALT PAVEMENT SECTION 6
NTS C6



TRENCH EXCAVATION AND BACKFILL 4
NOT TO SCALE C6

EMBEDMENT MATERIALS 5 NOT TO SCALE C6		
SOIL CLASS	SOIL TYPE	DESCRIPTION OF MATERIAL CLASSIFICATION
CLASS I SOILS	—	Manufactured angular, granular material, 3/4 to 1 1/2 inches (6 to 40 mm) size, including materials having regional significance such as crushed stone or rock, broken coral, crushed slag, cinders, or crushed shells.
CLASS II SOILS**	GW	Well-graded gravels and gravel-sand mixtures, little or no fines. 50% or more retained on No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
	GP	Poorly graded gravels and gravel-sand mixtures, little or no fines. 50% or more retained on No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
	SW	Well-graded sands and gravelly sands, little or no fines. More than 50% passes No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
	SP	Poorly graded sands and gravelly sands, little or no fines. More than 50% passes No. 4 sieve. More than 95% retained on No. 200 sieve. Clean.
CLASS III SOILS***	GM	Silty gravels, gravel-sand-silt mixtures. 50% or more retained on No. 4 sieve. More than 50% retained on No. 200 sieve.
	GC	Clayey gravels, gravel-sand-clay mixtures. 50% or more retained on No. 4 sieve. More than 50% retained on No. 200 sieve.
	SM	Silty sands, sand-silt mixtures. More than 50% passes No. 4 sieve. More than 50% retained on No. 200 sieve.
	SC	Clayey sands, sand-clay mixtures. More than 50% passes No. 4 sieve. More than 50% retained on No. 200 sieve.
CLASS IV SOILS	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands. Liquid limit 50% or less. 50% or more passes No. 200 sieve.
	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays. Liquid limit 50% or less. 50% or more passes No. 200 sieve.
	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts. Liquid limit greater than 50%. 50% or more passes No. 200 sieve.
	CH	Inorganic clays of high plasticity, fat clays. Liquid limit greater than 50%. 50% or more passes No. 200 sieve.
CLASS V SOILS	OL	Organic silts and organic silty clays of low plasticity. Liquid limit 50% or less. 50% or more passes No. 200 sieve.
	OH	Organic clays of medium to high plasticity. Liquid limit greater than 50%. 50% or more passes No. 200 sieve.
	PT	Peat, muck and other highly organic soils.

* Soils are as defined in ASTM D2487, except for Class I material which is defined in ASTM D2321.
 ** In accordance with ASTM D2487, less than 5% pass No. 200 sieve.
 *** In accordance with ASTM D2487, more than 12% pass No. 200 sieve. Soils with 5% to 12% pass No. 200 sieve fall in borderline classification, e.g., GP-GC.

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CONSTRUCTION DETAILS

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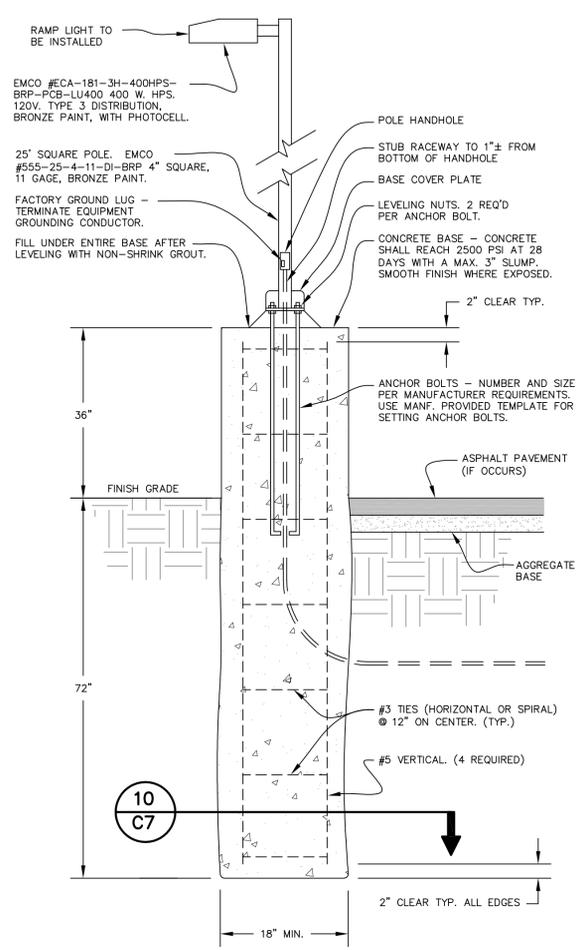


**IMPROVEMENT PLANS FOR
 MERCED IRRIGATION DISTRICT
 McCURE POINT BOAT RAMP**

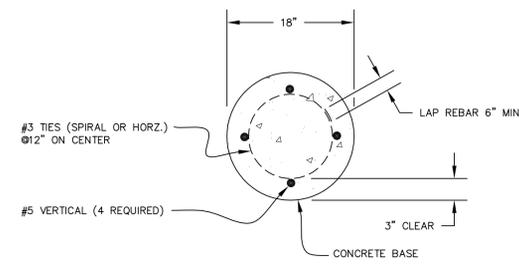
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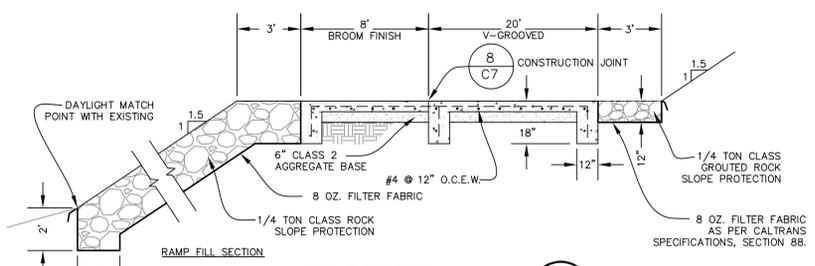




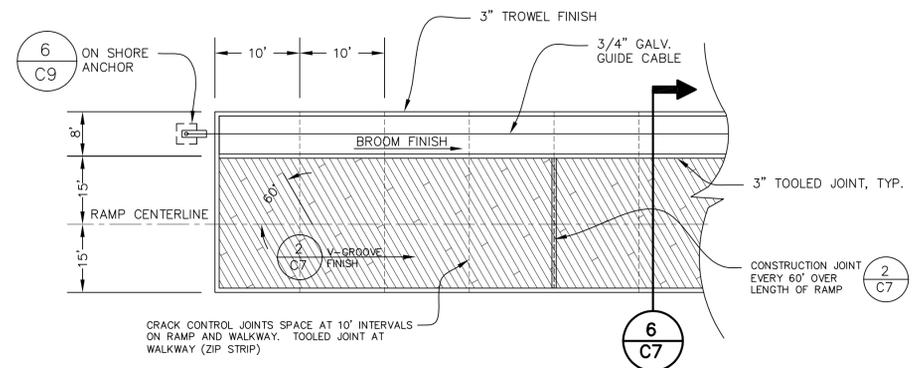
9
LIGHT POLE, BASE & PIER FTG.
NOT TO SCALE
C7



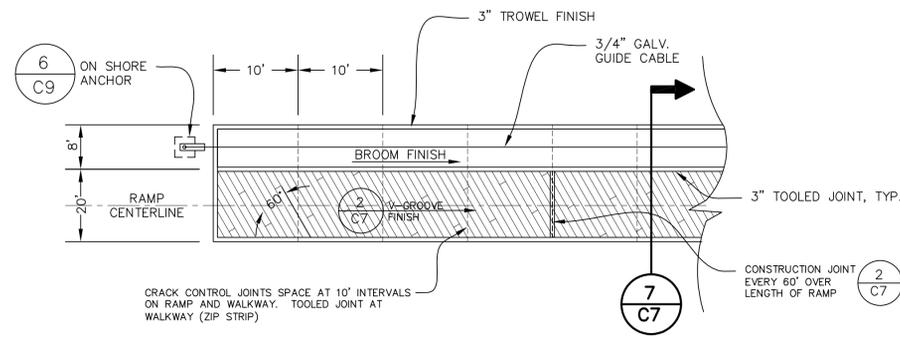
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LIGHT POLE, PIER SECTION
NOT TO SCALE
C7



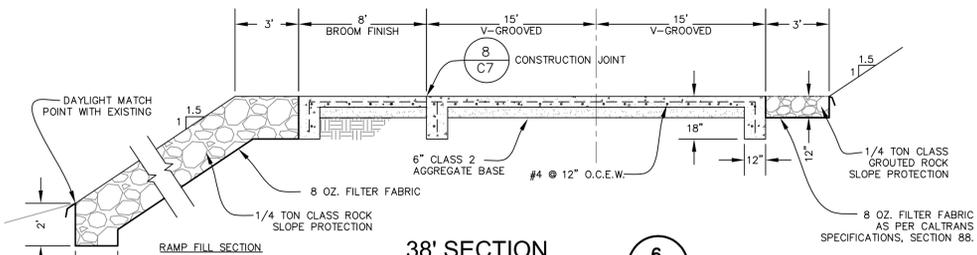
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28' SECTION
NTS
C7



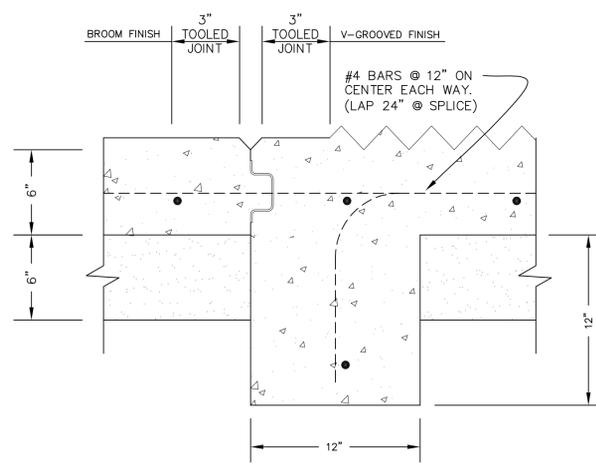
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38' PLAN VIEW - LAUNCHING RAMP FINISH SCHEDULE
NTS
C7



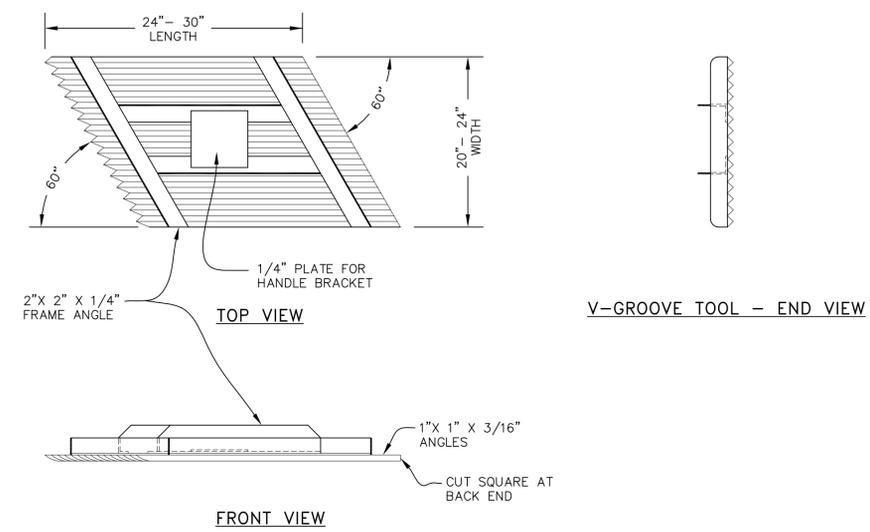
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28' PLAN VIEW - LAUNCHING RAMP FINISH SCHEDULE
NTS
C7



6
38' SECTION
NTS
C7

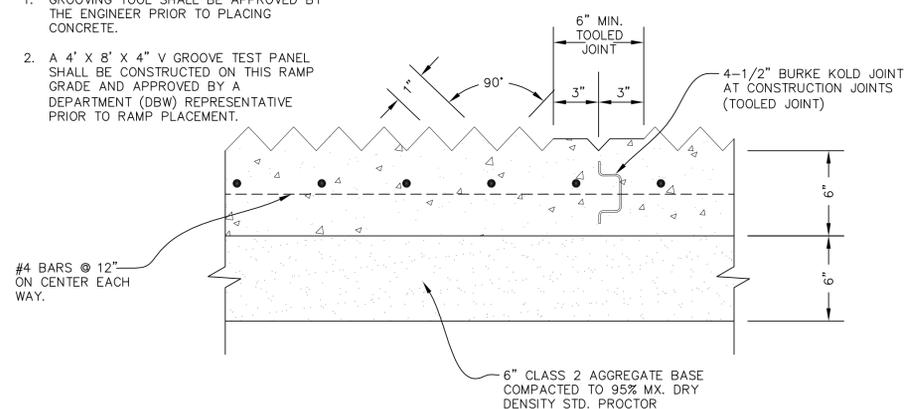


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JOINT DETAIL
NOT TO SCALE
C7

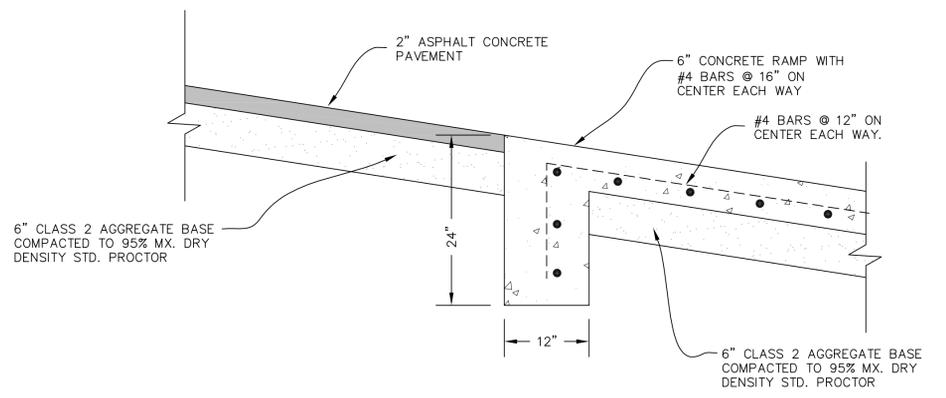


1
V-GROOVE TOOL DETAIL
NOT TO SCALE
C7

- NOTES:
- GROOVING TOOL SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING CONCRETE.
 - A 4' X 8' X 4" V GROOVE TEST PANEL SHALL BE CONSTRUCTED ON THIS RAMP GRADE AND APPROVED BY A DEPARTMENT (DBW) REPRESENTATIVE PRIOR TO RAMP PLACEMENT.



2
V-GROOVE FINISH DETAIL
NOT TO SCALE
C7



3
TOP OF RAMP DETAIL
NOT TO SCALE
C7



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BOAT RAMP DETAILS

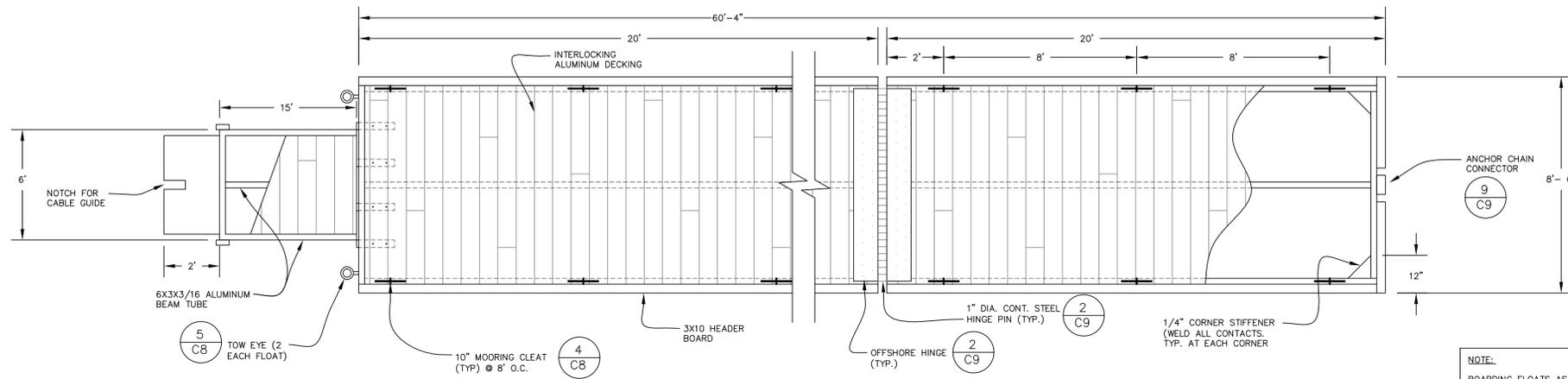
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IMPROVEMENT PLANS FOR MERCED IRRIGATION DISTRICT McCLURE POINT BOAT RAMP
MERCED COUNTY, CALIFORNIA

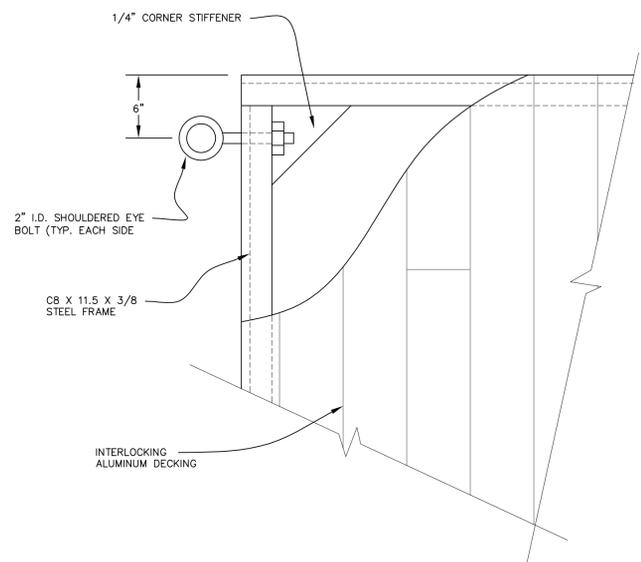
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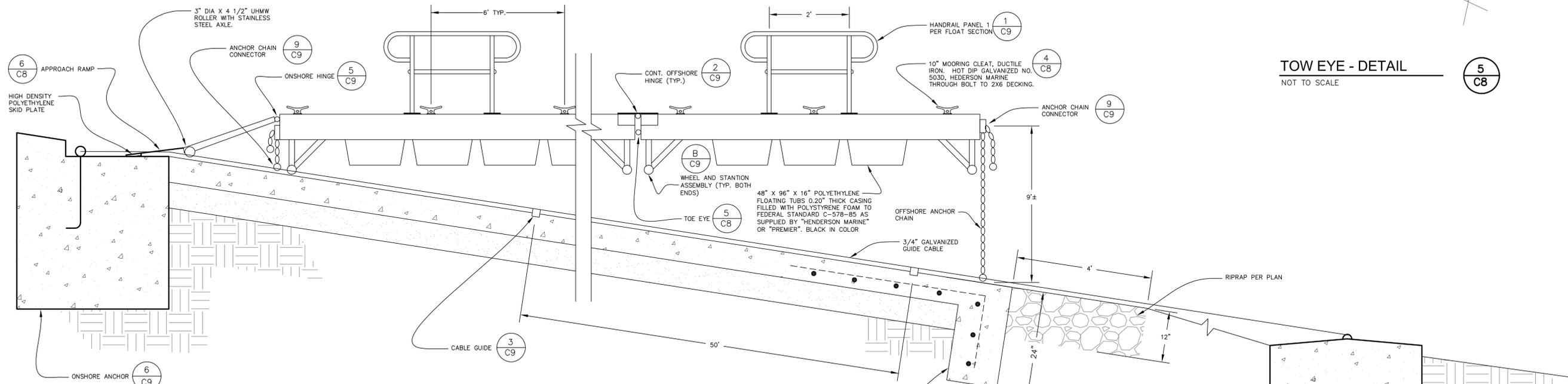


PLAN VIEW - BOARDING FLOAT (1 C8)
NOT TO SCALE

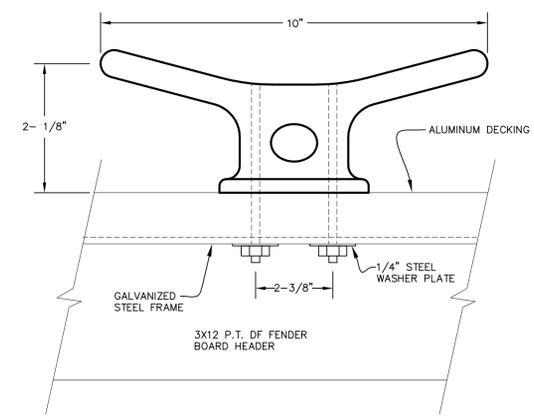
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BOARDING FLOATS AS MANUFACTURED BY HALLSTEN CORR. SACRAMENTO CA. OR APPROVED EQUAL.



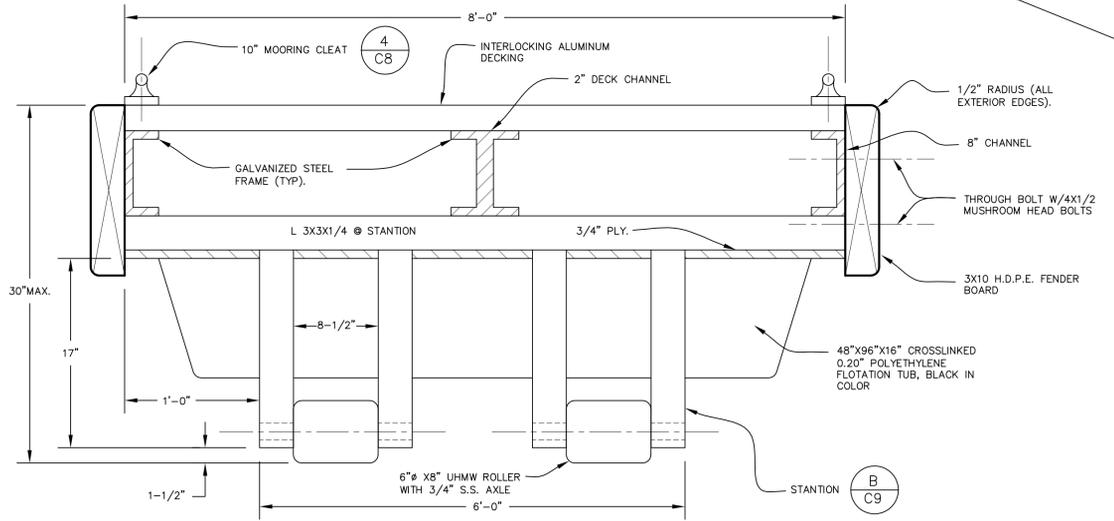
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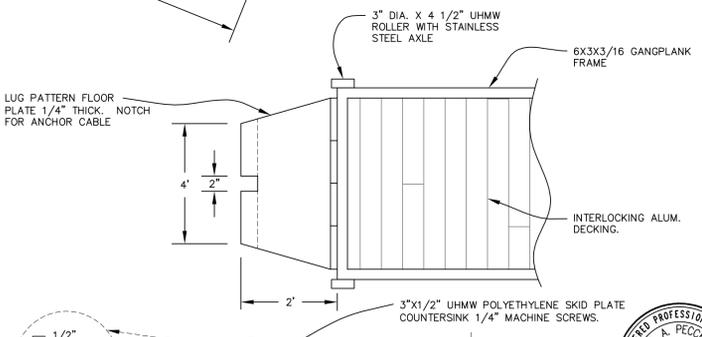
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NOT TO SCALE



MOORING CLEAT ATTACHMENT DETAIL (4 C8)
NOT TO SCALE



SECTION - BOARDING FLOAT (3 C8)
NOT TO SCALE



APPROACH RAMP (6 C8)
NOT TO SCALE

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BOARDING FLOAT DETAILS

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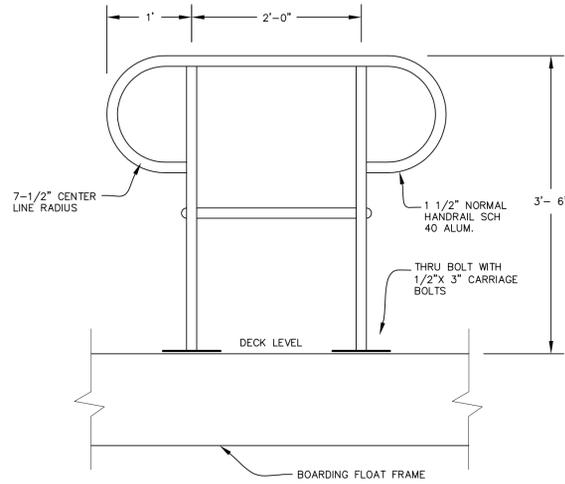


IMPROVEMENT PLANS FOR MERCED IRRIGATION DISTRICT McCLURE POINT BOAT RAMP
MERCED COUNTY, CALIFORNIA

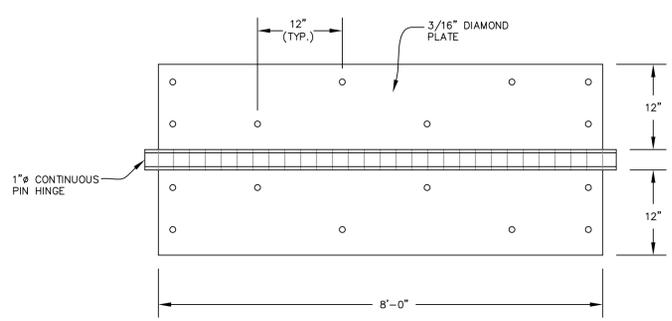
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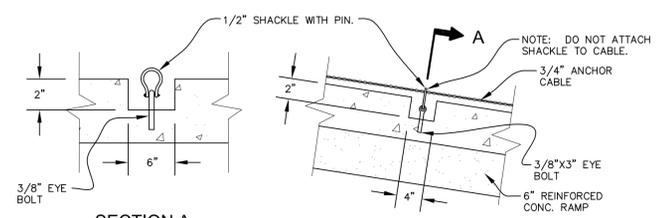
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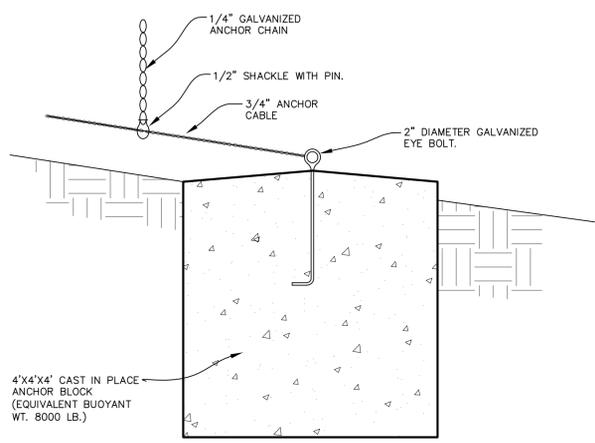
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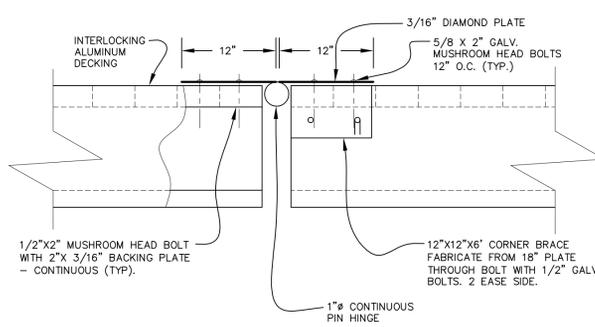
OFF SHORE HINGE
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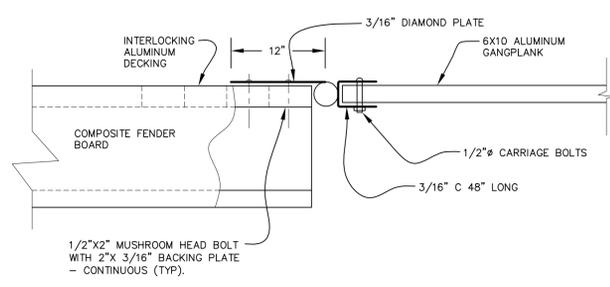
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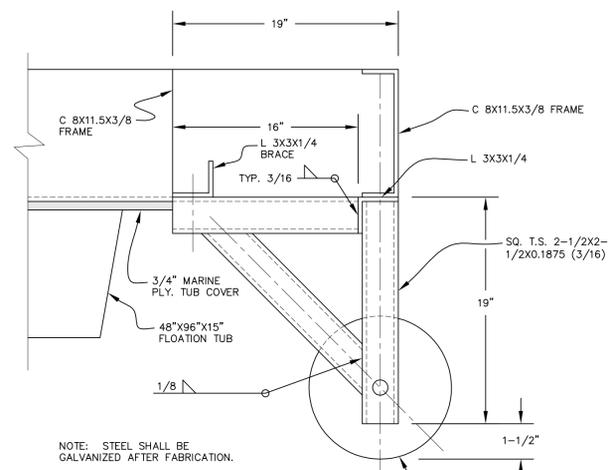
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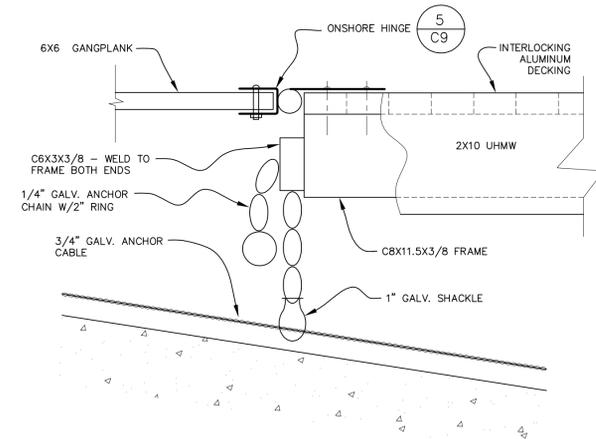
OFFSHORE HINGE - ELEVATION
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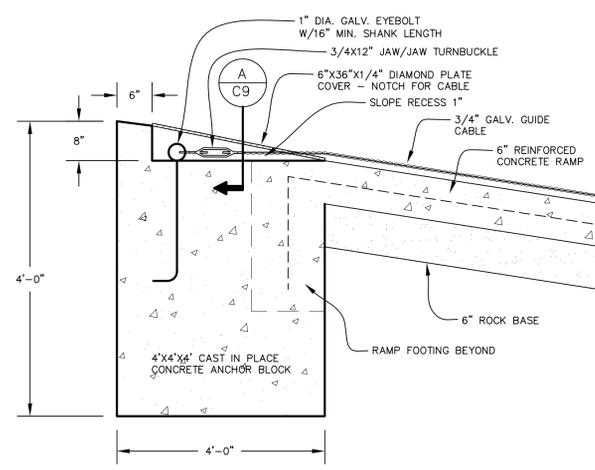
ONSHORE HINGE - ELEVATION
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C9



STATION DETAIL
NOT TO SCALE
B
C9



ONSHORE & OFFSHORE ANCHOR CONNECTOR
NOT TO SCALE
9
C9



ONSHORE ANCHOR & EYEBOLT DETAIL
NOT TO SCALE
6
C9

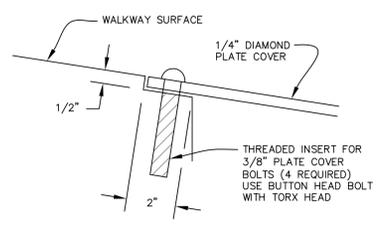
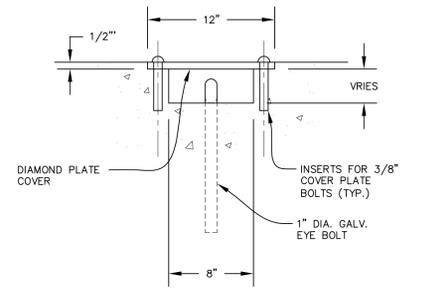
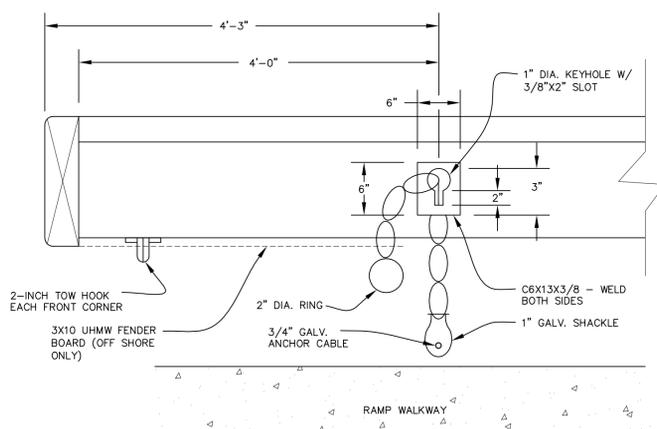


PLATE COVER BOLT
NOT TO SCALE
C
C9



SECTION "A" CABLE RECESS
NOT TO SCALE
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C9



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BOARDING FLOAT DETAILS

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IMPROVEMENT PLANS FOR MERCED IRRIGATION DISTRICT McCLURE POINT BOAT RAMP
MERCED COUNTY, CALIFORNIA

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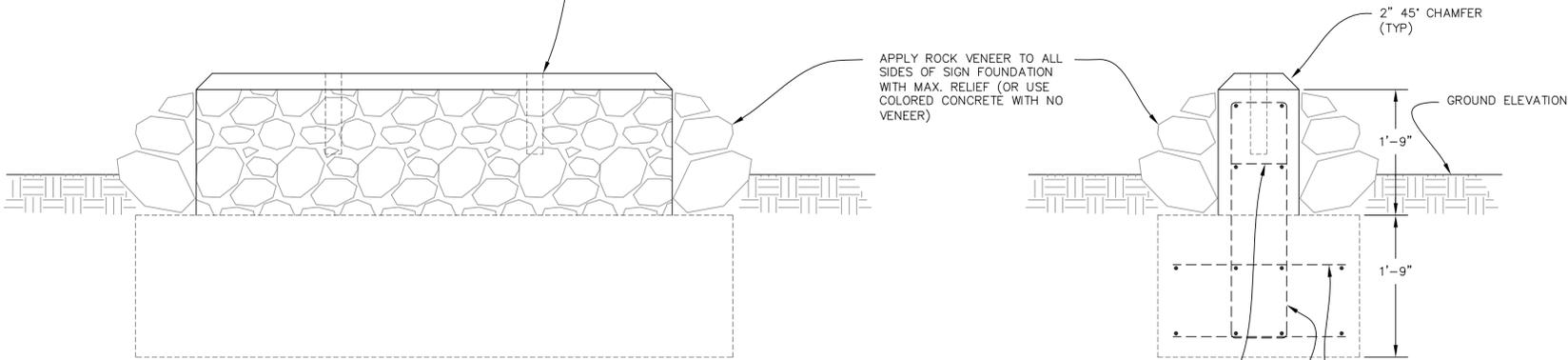
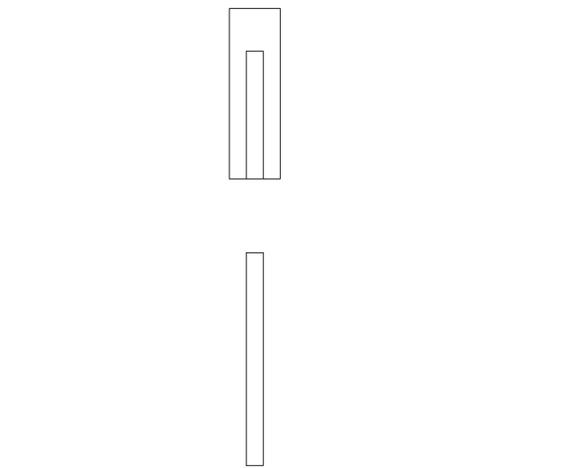
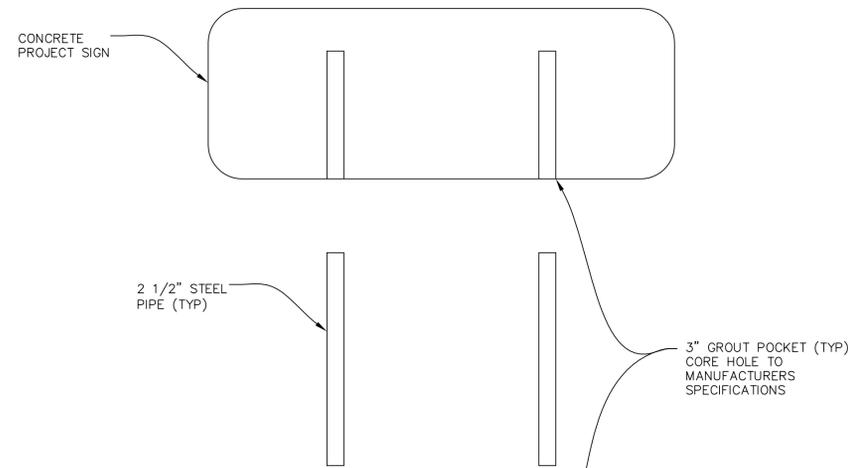
FRONT OF SIGN

COLOR SCHEDULE:

SIGN PANEL	DAVIS COLORS SEQUOIA SAND, OR EQUIVALENT
LETTERING	HUNTER GREEN
LOGOS (2)	MULTICOLOR

LETTERING SCHEDULE:

NAME OF FACILITY	5"	CLARENDON MEDIUM UPPER & LOWER CASE
TYPE OF FACILITY	3"	HELVETICA MEDIUM UPPER CASE ONLY
ACKNOWLEDGEMENTS	2"	HELVETICA MEDIUM UPPER CASE ONLY



NOTE:
 1) CONCRETE PROJECT SIGN TO BE OUTDOOR CREATIONS, INC. MODEL 706 S WITH RECESSED AND PAINTED BORDER, LETTERING AND LOGO, OR APPROVED EQUAL
 2) 2 MULTICOLORED LOGOS ARE APPROXIMATELY 12" DIAMETER, WITH VARYING SHAPE. ENGINEER SHALL FURNISH TEMPLATES (IF REQUIRED) FROM WHICH SIGN MANUFACTURER WILL DEVELOP MOLDS AND INCORPORATE INTO A MONOLITHIC CONCRETE SIGN.

FOUNDATION PLAN

SCALE: 1" = 1'

1
C12

NO.	DATE	BY	REVISION MADE
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PROJECT SIGN PLAN

FREMMING, PARSON & PECCHENINO
 118 PARK AVENUE
 MERCED, CA 95348-3421
 TEL: (209) 723-2066
 www.fppeng.com

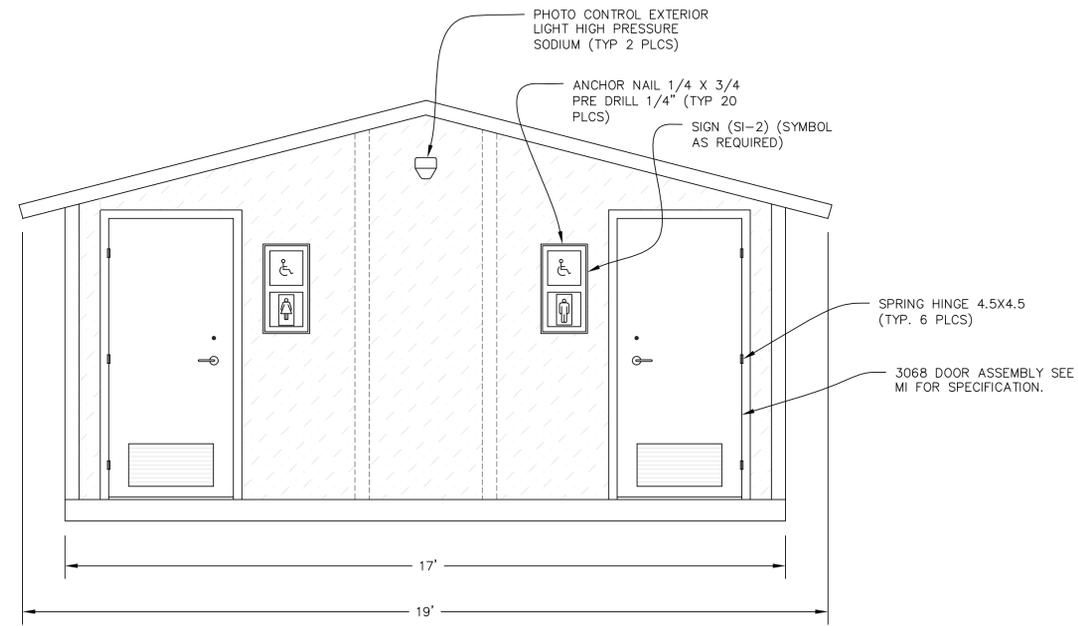


**IMPROVEMENT PLANS FOR
 MERCED IRRIGATION DISTRICT
 McCLURE POINT BOAT RAMP**
 CALIFORNIA
 MERCED COUNTY, CONSULTING CIVIL ENGINEERS - LAND SURVEYORS

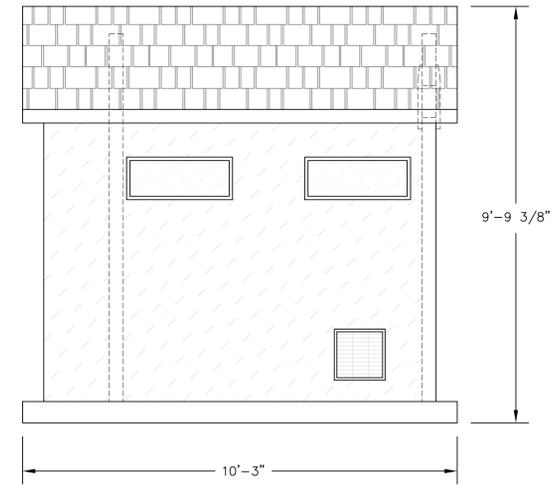
DR. BY: JS
 APPR. BY:
 DATE: 05/14/12
 DWG. FILE: M00909A01.DWG
 SCR. FILE:



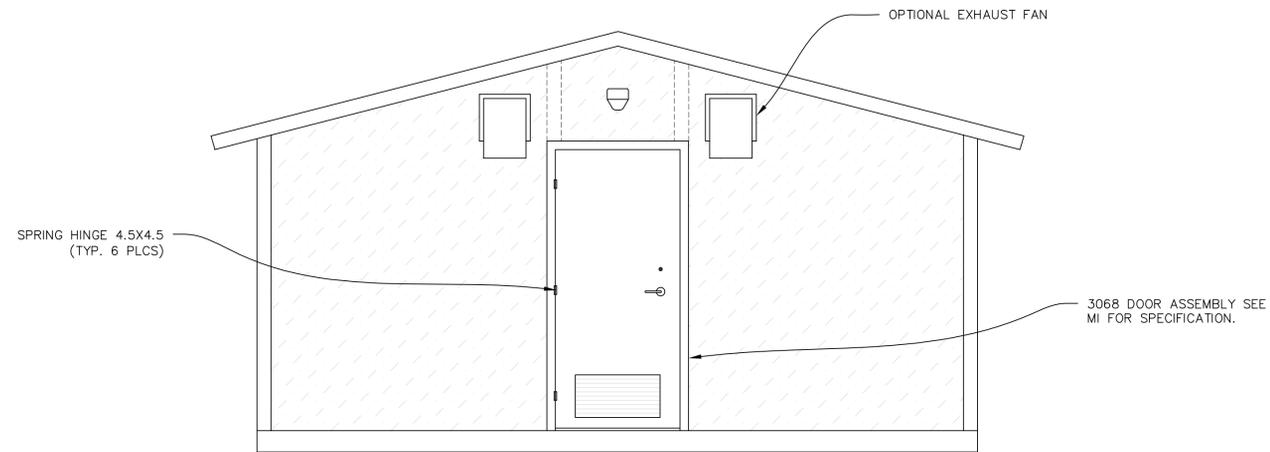
JOB NO. M009-2009A
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C12
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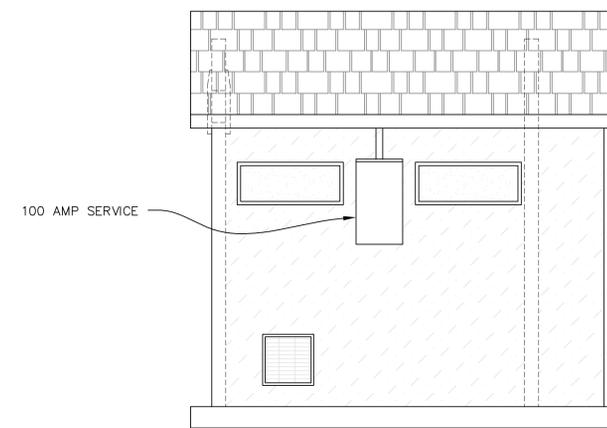
FRONT ELEVATION
NOT TO SCALE



RIGHT SIDE ELEVATION
NOT TO SCALE



REAR ELEVATION
NOT TO SCALE



LEFT SIDE ELEVATION
NOT TO SCALE

NO.	DATE	BY	REVISION MADE
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RESTROOM ELEVATIONS

FREMMING, PARSON & PECCHENINO
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MERCED, CA 95348-3421
TEL: (209) 723-2066
www.fppeng.com



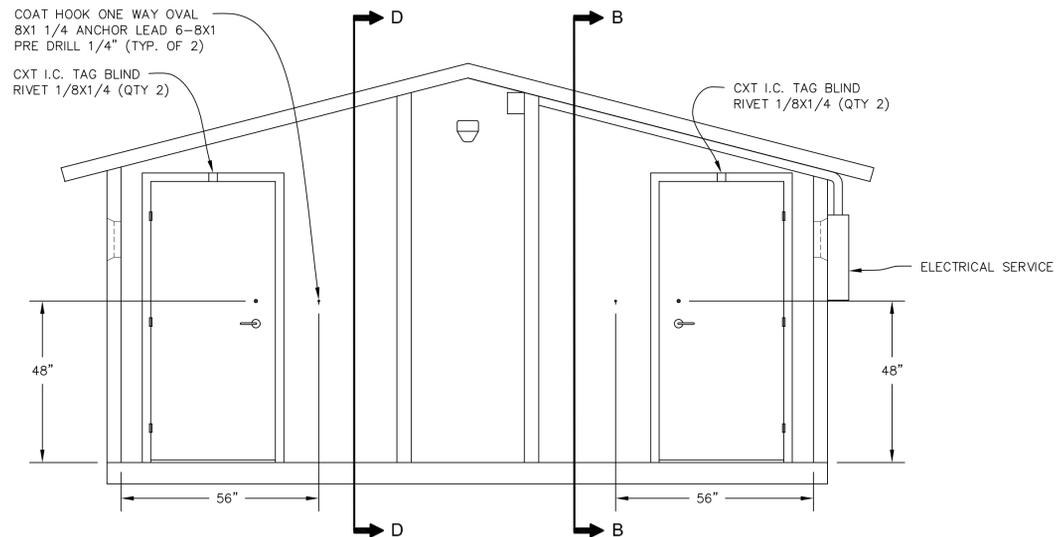
**IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
McCLURE POINT BOAT RAMP**
MERCED COUNTY, CALIFORNIA

DR. BY	J.S.
APPR. BY	
DATE	05/14/12
DWG. FILE	MO0909A11.DWG
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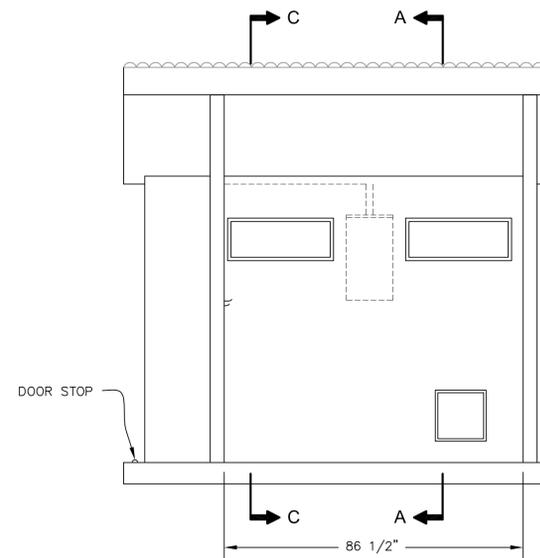
JOB NO. MO09-2009A
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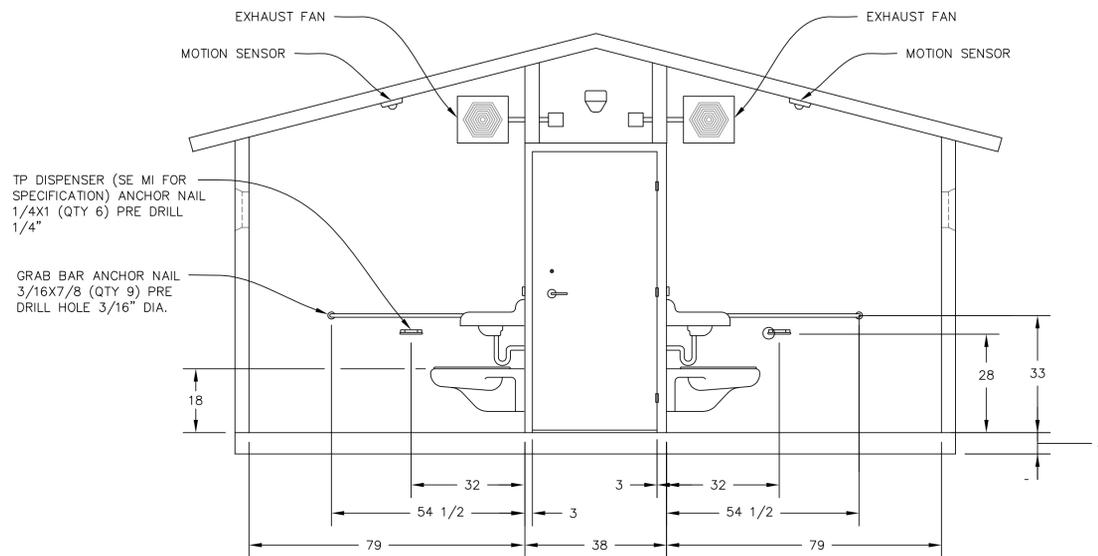
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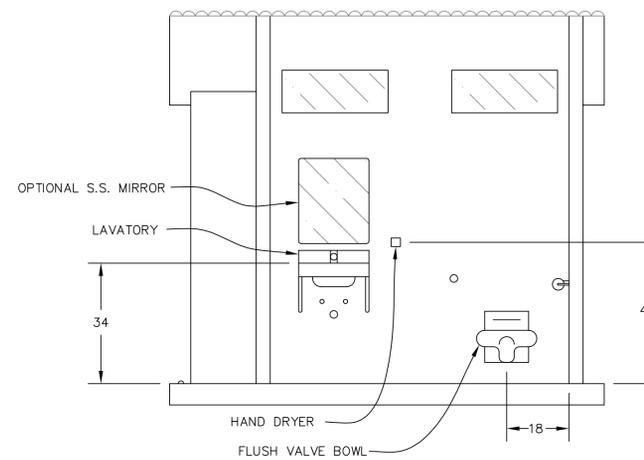
SECTION A - A
NOT TO SCALE



SECTION B - B
NOT TO SCALE



SECTION C - C
NOT TO SCALE



SECTION D - D
NOT TO SCALE

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RESTROOM SECTIONS

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MERCED, CA 95348-3421
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www.fppeng.com



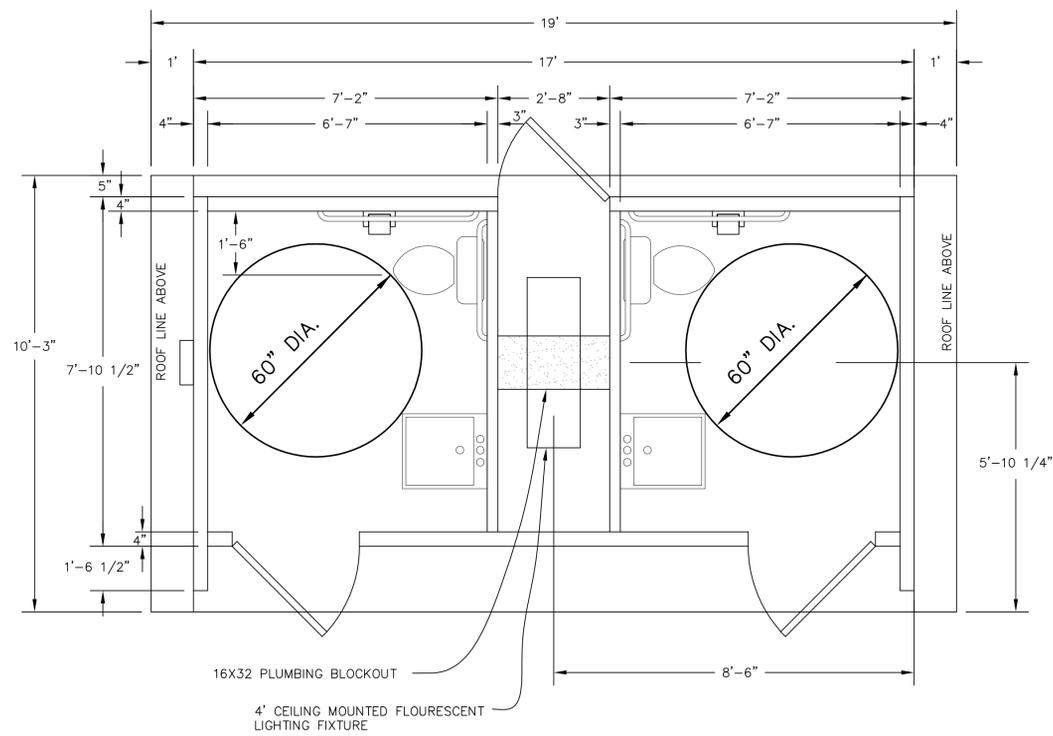
**IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
McCLURE POINT BOAT RAMP**
MERCED COUNTY, CALIFORNIA

DR. BY	J.S.
APPR. BY	
DATE	05/14/12
DWG. FILE	MO0909A01.DWG
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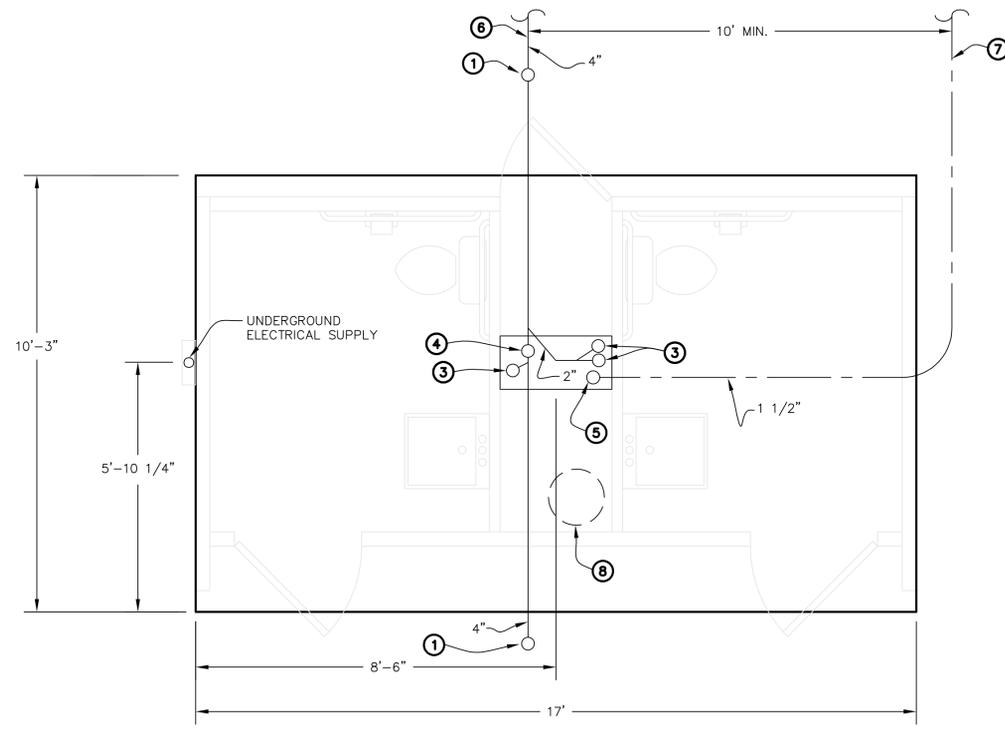
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RESTROOM PLAN
NOT TO SCALE



**FLOOR DRAIN BLOCKOUTS
& BELOW FLOOR PIPING** SCALE 1"= 2'

PIPING LEGEND

- BELOW FLOOR WASTE PIPING SCH 40 ABS TYPE DWV.
- - - - - BELOW FLOOR VENT PIPING SCH 40 ABS TYPE DWV.
- · - · - 1 1/2" TYPE "K" ANNEALED "SOFT" COPPER WATER SERVICE.

BELOW FLOOR PIPING — KEY NOTES.

- ① 4" CLEAN OUT TO GRADE.
- ② NOT USED
- ③ 2" VENT PIPES EXTENDED 12" ABOVE FINISHED FLOOR LEVEL. (1 FOR EACH FLOOR DRAIN IF FLOOR DRAIN OPTION ACCEPTED) PROVIDE TEST PLUG.
- ④ 4" WASTE PIPE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG.
- ⑤ 1 1/2" TYPE K ANNEALED "SOFT" COPPER WATER SERVICE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE CAT AT END.
- ⑥ 30" MIN. BURY, PROVIDE TRACER TAPE.
- ⑦ 4'-6" MIN. BURY.
- ⑧ WATER PRESSURE TANK LOCATION.

ALL PIPING INDICATED ON THIS SHEET IS NOT BY CXT.

NO.	DATE	BY	REVISION MADE
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RESTROOM PLAN

FREMMING, PARSON & PECCHENINO
118 PARK AVENUE
MERCED, CA 95348-3421
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CONSULTING CIVIL ENGINEERS — LAND SURVEYORS

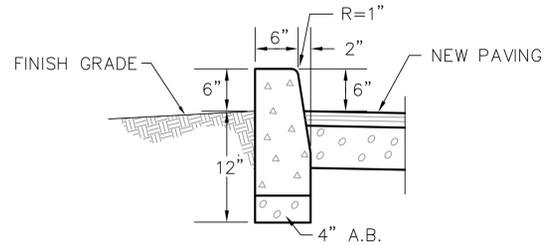
**IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
McCLURE POINT BOAT RAMP**
CALIFORNIA
MERCED COUNTY.

DR. BY	JJ
APPR. BY	
DATE	05/14/12
DWG. FILE	MO0909A01.DWG
SCR. FILE	

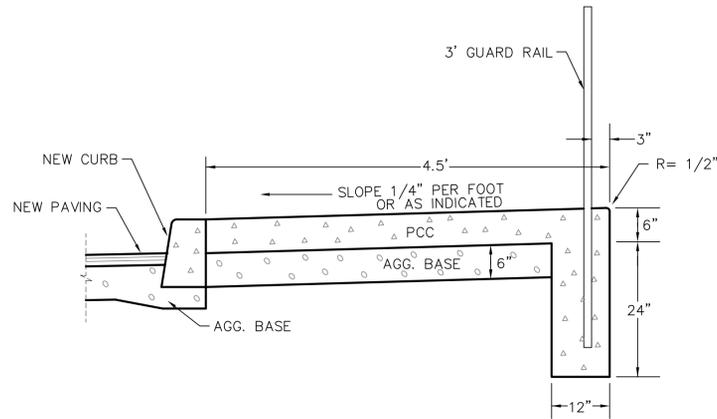
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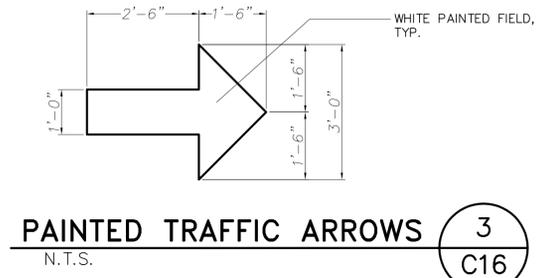
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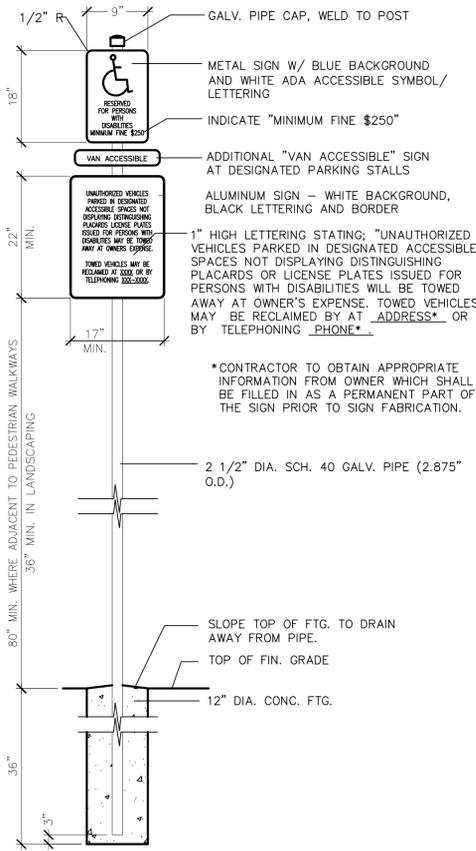
VERTICAL DEEP CURB 1
N.T.S. C16



CURB WITH ATTACHED SIDEWALK 2
N.T.S. C16

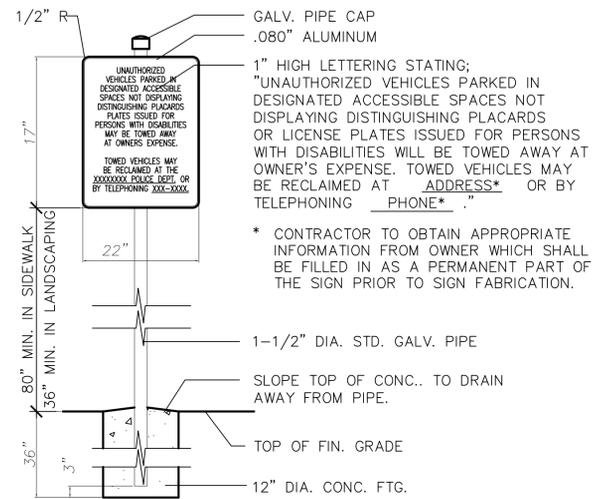


PAINTED TRAFFIC ARROWS 3
N.T.S. C16

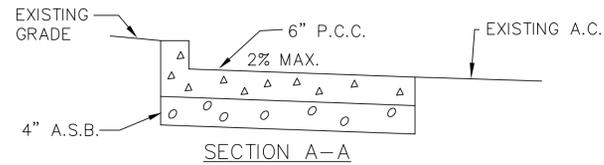


PARKING SIGN

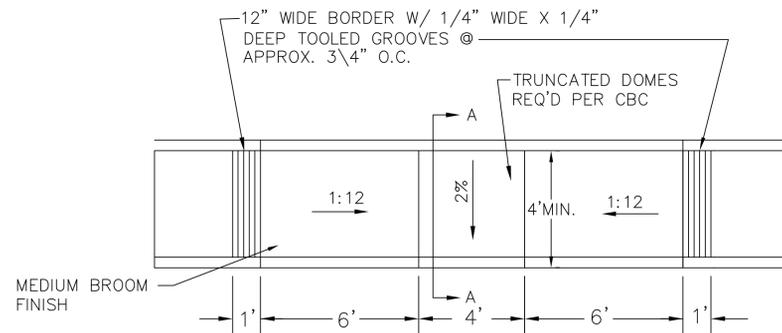
ACCESSIBLE SIGN STANDARDS 4
N.T.S. C16



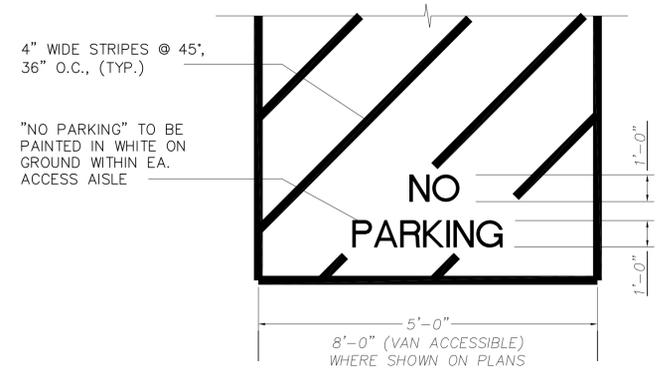
ENTRANCE SIGN



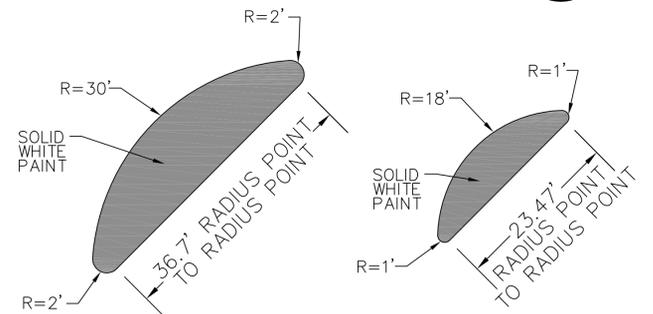
SECTION A-A



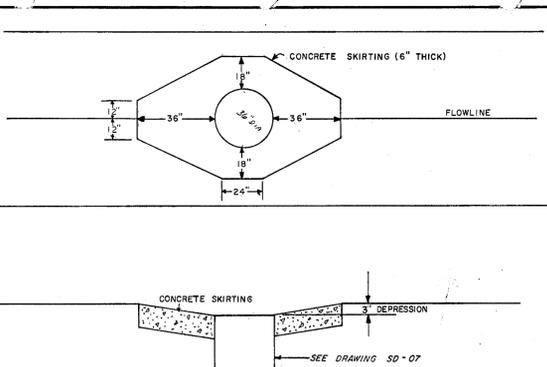
CONCRETE HANDICAP ACCESS RAMP 5
N.T.S. C16



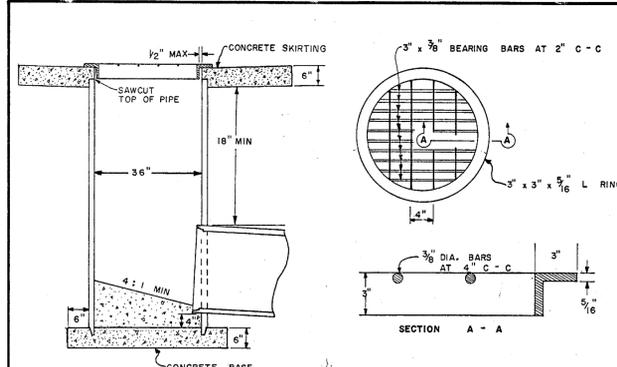
ACCESS AISLE STRIPING 6
N.T.S. C16



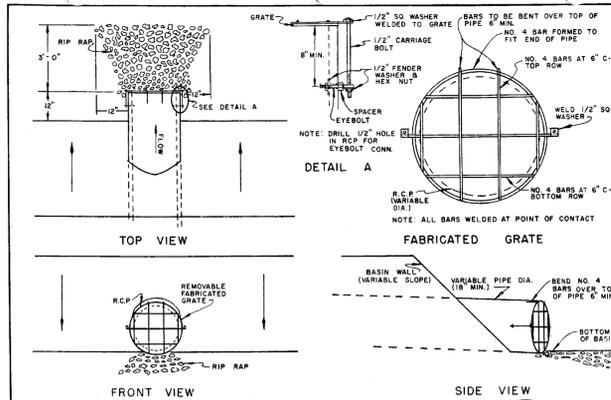
PAINTED ISLAND 7
N.T.S. C16



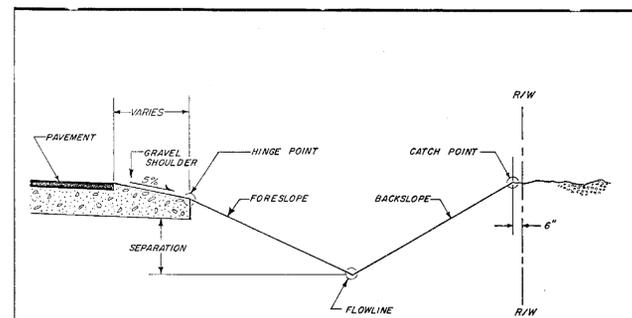
DITCH DEPRESSION 8
N.T.S. C16



CATCH BASIN & GRATE 9
N.T.S. C16



STORM DRAIN OUTLET 10
N.T.S. C16

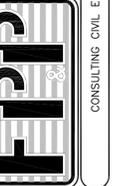


ROADSIDE DITCH DETAILS 11
N.T.S. C16

NO. DATE	BY	REVISION MADE
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MISC. DETAILS

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118 PARK AVENUE
MERCED, CA 95348-3421
TEL: (209) 723-2066
www.fppeng.com



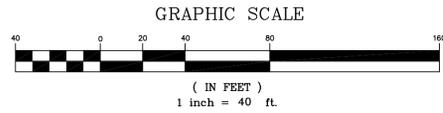
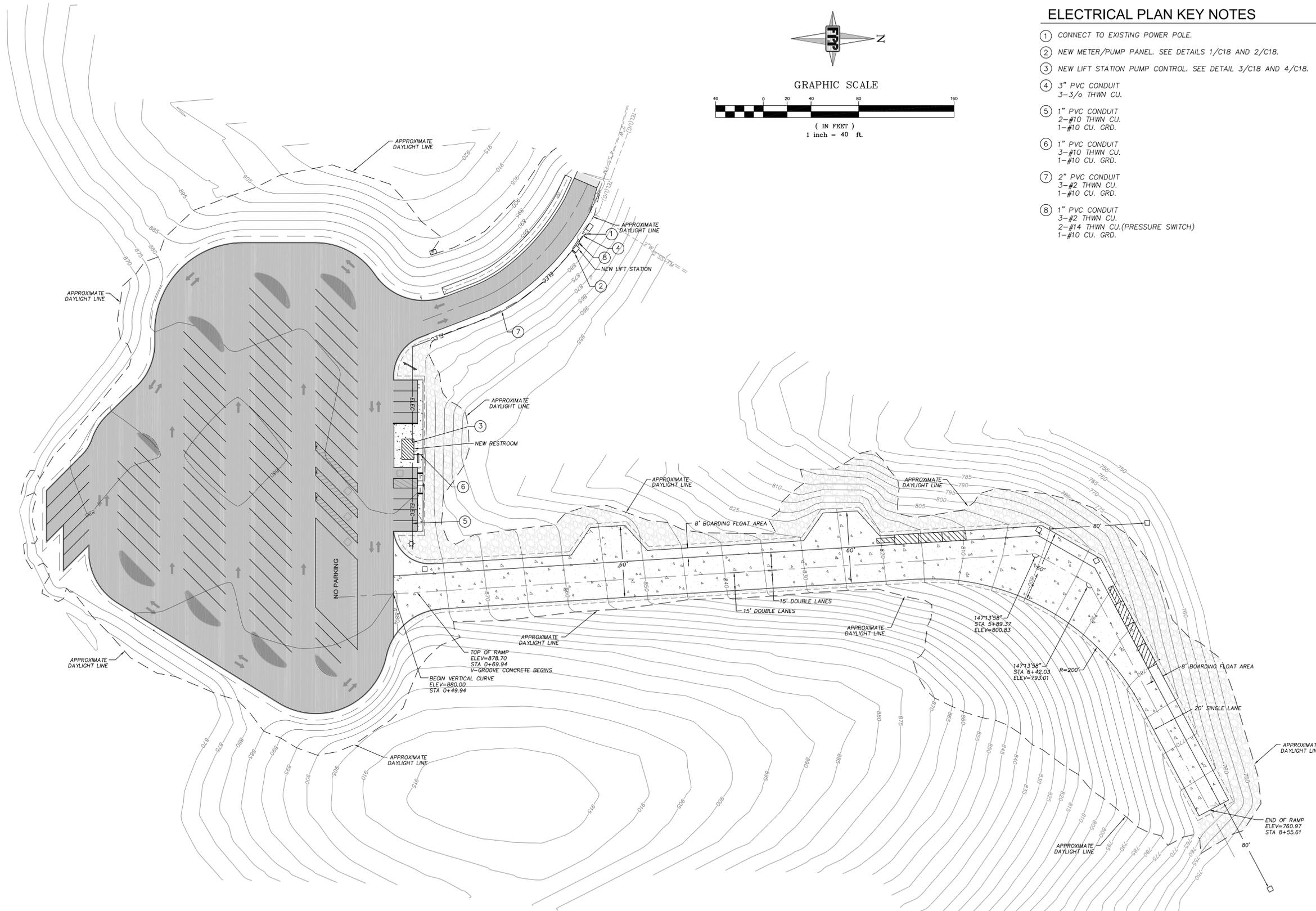
IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
McCLURE POINT BOAT RAMP
MERCED COUNTY, CALIFORNIA

DR. BY: JS
APPR. BY:
DATE: 05/14/12
DWG. FILE: MO0909A1.DWG
SCR. FILE:

JOB NO. MO09-2009A

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ELECTRICAL PLAN KEY NOTES

- ① CONNECT TO EXISTING POWER POLE.
- ② NEW METER/PUMP PANEL. SEE DETAILS 1/C18 AND 2/C18.
- ③ NEW LIFT STATION PUMP CONTROL. SEE DETAIL 3/C18 AND 4/C18.
- ④ 3" PVC CONDUIT
3-3/0 THWN CU.
- ⑤ 1" PVC CONDUIT
2-#10 THWN CU.
1-#10 CU. GRD.
- ⑥ 1" PVC CONDUIT
3-#10 THWN CU.
1-#10 CU. GRD.
- ⑦ 2" PVC CONDUIT
3-#2 THWN CU.
1-#10 CU. GRD.
- ⑧ 1" PVC CONDUIT
3-#2 THWN CU.
2-#14 THWN CU.(PRESSURE SWITCH)
1-#10 CU. GRD.

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ELECTRICAL PLAN

FREMING PARSON & PECCHENINO
2816 PARK AVENUE
MERCED, CA 95348-3375
TEL: 209-928-2066
WWW.FPPENG.COM



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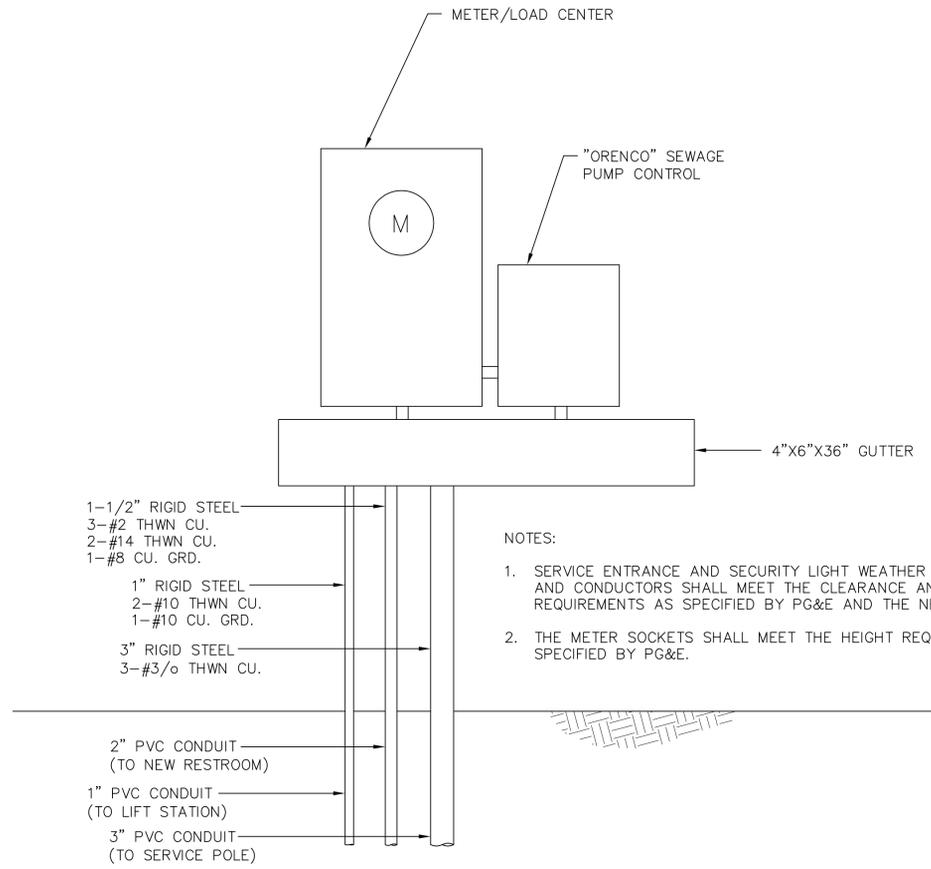
**IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
MCCLURE POINT BOAT RAMP**
MERCED, CALIFORNIA

DR. BY: SAS
APPR. BY: GARY A. PECCHENINO
DATE: 05/14/12
FILE: M00909A



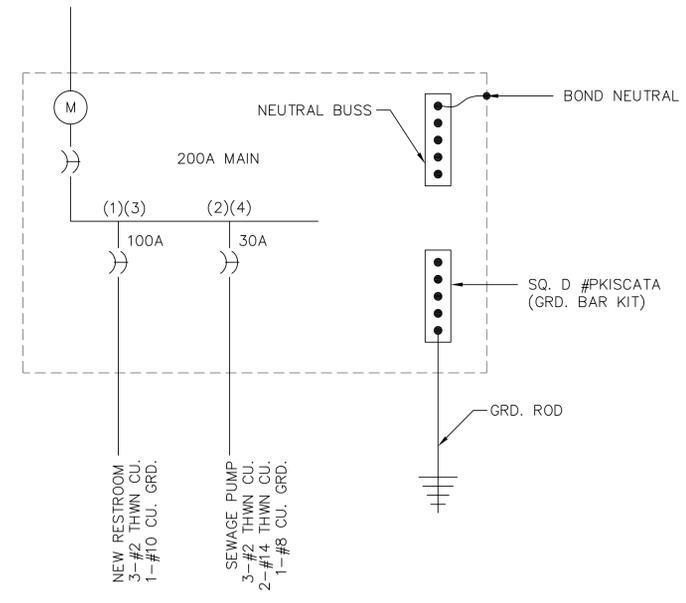
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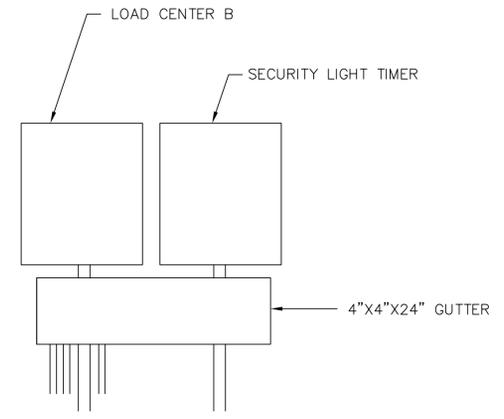


- NOTES:
- SERVICE ENTRANCE AND SECURITY LIGHT WEATHER HEADS, RISERS AND CONDUCTORS SHALL MEET THE CLEARANCE AND SUPPORT REQUIREMENTS AS SPECIFIED BY PG&E AND THE NEC, 1999 EDITION.
 - THE METER SOCKETS SHALL MEET THE HEIGHT REQUIREMENTS AS SPECIFIED BY PG&E.

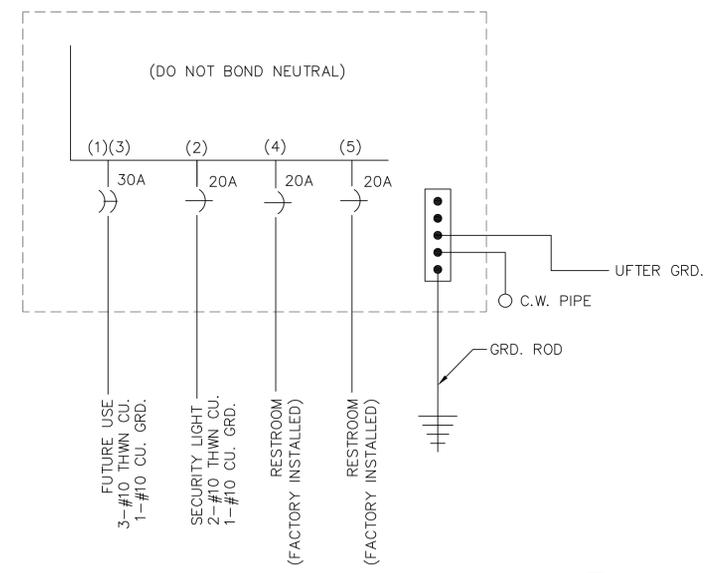
METER/LOAD CENTER A (1) **C17**
N.T.S.



METER/LOAD CENTER A (QC816F200CH) (2) **C17**
N.T.S.



LOAD CENTER B (3) **C17**
N.T.S.



LOAD CENTER B (SQ. D# Q08-16DS) (4) **C17**
N.T.S.

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ELECTRICAL DETAILS

FREMING, PARSON & PECCHENINO
118 PARK AVENUE
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TEL: (209) 723-2066
www.fppeng.com

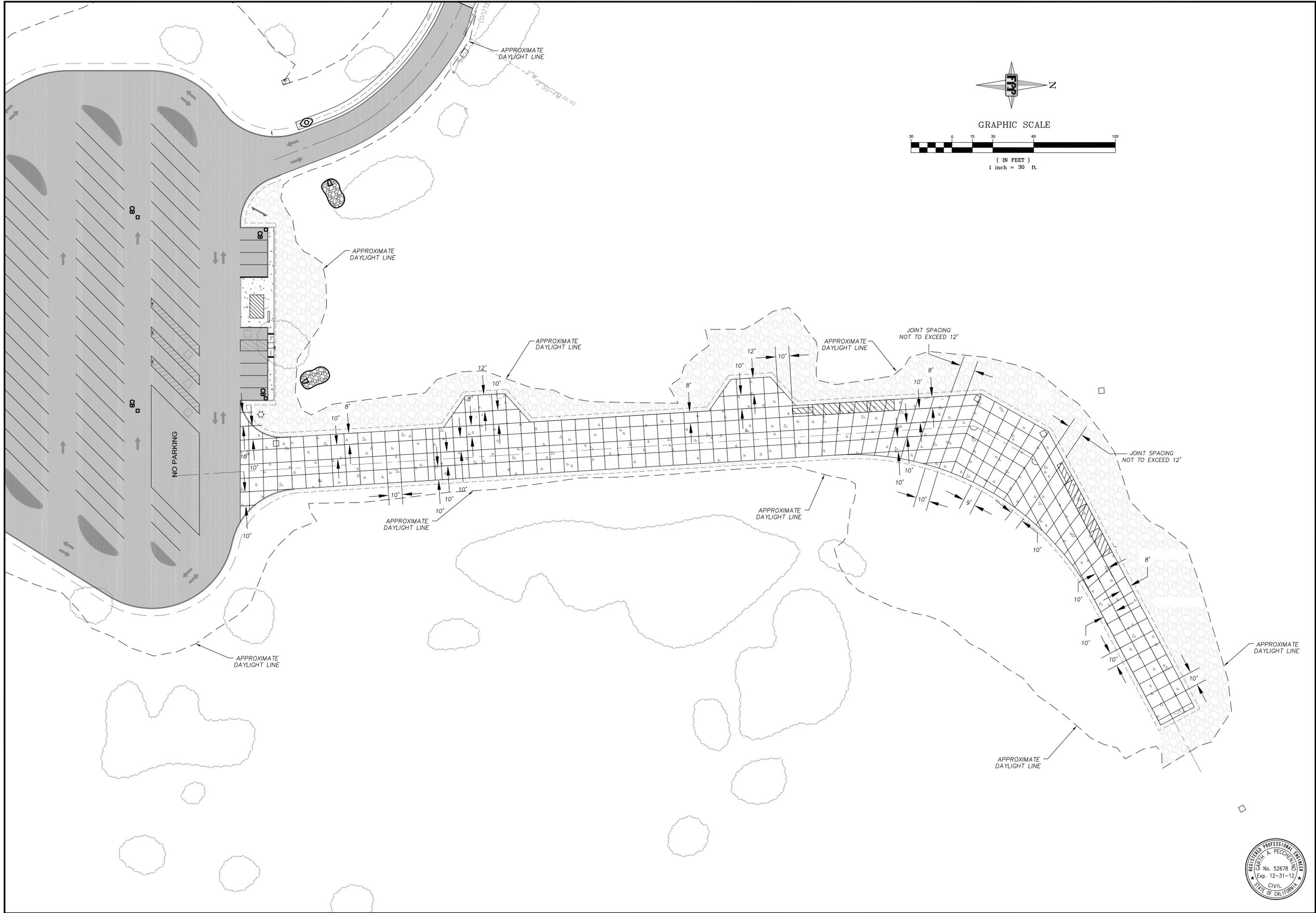


CONSULTING CIVIL ENGINEERS - LAND SURVEYORS

**IMPROVEMENT PLANS FOR
MERCED IRRIGATION DISTRICT
McCLURE POINT BOAT RAMP**
MERCED COUNTY, CALIFORNIA

DR. BY JS
APPR. BY
DATE 05/14/12
DWG. FILE M00909A41.DWG
SCR. FILE





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JOINT PATTERN PLAN

FREMING PARSON & PECCHENINO
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 TEL: 209-938-2066
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**IMPROVEMENT PLANS FOR
 MERCED IRRIGATION DISTRICT
 MCCLURE POINT BOAT RAMP**
 MERCED, CALIFORNIA

DR. BY: SAS
 APPR. BY: CASIMIR A. PECCHENINO
 DATE: 05/14/12
 FILE: M00909A

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