

COUNTY OF MONTEREY CHUALAR SANITARY SEWER REHABILITATION PROJECT PROJECT NO. 093-45 BID NO. 10479

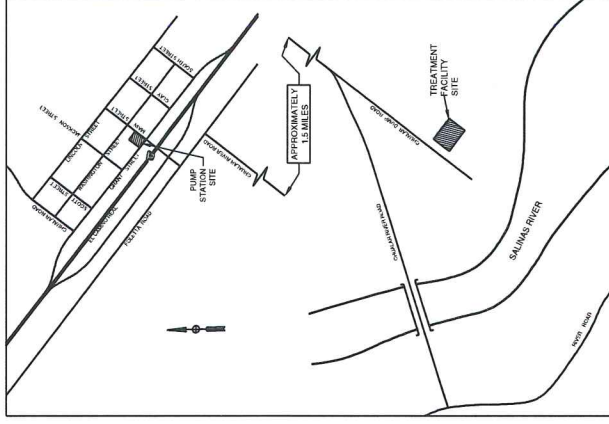


SHEET INDEX

1. COVER SHEET & NOTES
2. TREATMENT POND IMPROVEMENTS
3. PUMP STATION CIVIL IMPROVEMENTS
4. ELECTRICAL NOTES & LEGEND
5. ELECTRICAL DETAILS
6. ELECTRICAL DETAILS

GENERAL NOTES

1. PROJECT LOCATION - THE PROJECT WORK AREAS ARE LOCATED IN AND AROUND THE COMMUNITY OF CHUALAR, CALIFORNIA.
- 1.1. WORK TO BE PERFORMED ON THE EXISTING PUMP STATION IS LOCATED AT NORTH CORNER OF CHUALAR INTERSECTION OF MAIN ST AND GRANT ST IN CHUALAR.
- 1.2. WORK TO BE PERFORMED ON THE EXISTING TREATMENT FACILITY IS LOCATED WEST OF CHUALAR NEAR THE INTERSECTION OF CHUALAR RIVER RD AND CHUALAR DUMP RD.
2. CONTRACTOR SHALL INSPECT PROJECT LOCATIONS AND BECOME FAMILIAR WITH THE PROJECT AND ITS SURROUNDINGS.
3. CONTRACTOR SHALL BE INFORMED THAT GROUND WATER IS ANTICIPATED FOR ALL EXCAVATIONS.
4. CONTRACTOR SHALL COORDINATE ALL WORK, NECESSARY OBSERVATIONS, AND INSPECTIONS WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE.
5. ENGINE GENERATOR SET AS SPECIFIED HEREIN SHALL BE SUPPLIED FOR INSTALLATION BY THE OWNER. CONTRACTOR SHALL OBTAIN THE ENGINE GENERATOR FROM THE OWNERS CORPORATION AND FOR INSTALLATION CONSULT WITH THE ENGINEER. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS AND MATERIAL TYPES AND SIZES PRIOR TO BEGINNING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED, ALL WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS.
7. ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE AND CALIFORNIA ELECTRICAL CODE AS APPLICABLE.
8. ALL CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI, MINIMUM.
9. ALL CONCRETE REINFORCEMENT SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI.
10. ALL PIPES SHALL CONFORM TO AWWA C900, UNLESS OTHERWISE NOTED.
11. ALL VALVES SHALL BE AS MANUFACTURED BY MUELLER, OR APPROVED EQUAL.
12. ALL EXCAVATIONS SHALL BE BACKFILLED WITH 1/2" MAXIMUM SIZE GRANULAR MATERIAL.
13. EXCAVATIONS SHALL BE BACKFILLED WITH 1/2" MAXIMUM SIZE GRANULAR MATERIAL. BACKFILL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION. BACKFILL LIFTS SHALL NOT EXCEED ONE FOOT IN DEPTH.
14. CONTRACTOR SHALL PROVIDE BYPASS CAPABILITIES FOR THE ENTIRE DURATION THAT HE REMOVES THE PUMP STATION FROM SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH A SANITARY SEWER OVERFLOW CAUSED BY HIS OPERATIONS.
15. DIVERTING SEWER FLOWS INTO THE TREATMENT PONDS AS REQUIRED TO COMPLETE THE WORK SPECIFIED HEREIN, CONTRACTOR MAY USE THE SEWER FORCE MAIN DIVERSION PIPE TO DIVERT FLOWS TO POND 1 WHEN NECESSARY. THIS DIVERSION SHALL BE KEPT TO A MINIMUM.



VICINITY MAP
N.T.S.

NO.	REVISIONS	DATE	APP.



Scharf & Wheeler
CONSULTING CIVIL ENGINEERS
3 Quail Run Circle, Suite 101
Salinas, CA 9307-2348
(831) 883-1848

**CHUALAR SANITARY SEWER
REHABILITATION PROJECT - PROJECT NO. 093-45**
COVER SHEET & NOTES

DATE:	3/11/14
SCALE:	AS SHOWN
DESIGN:	QWA
DRAWN:	QWA
PROJ. NO.:	10479

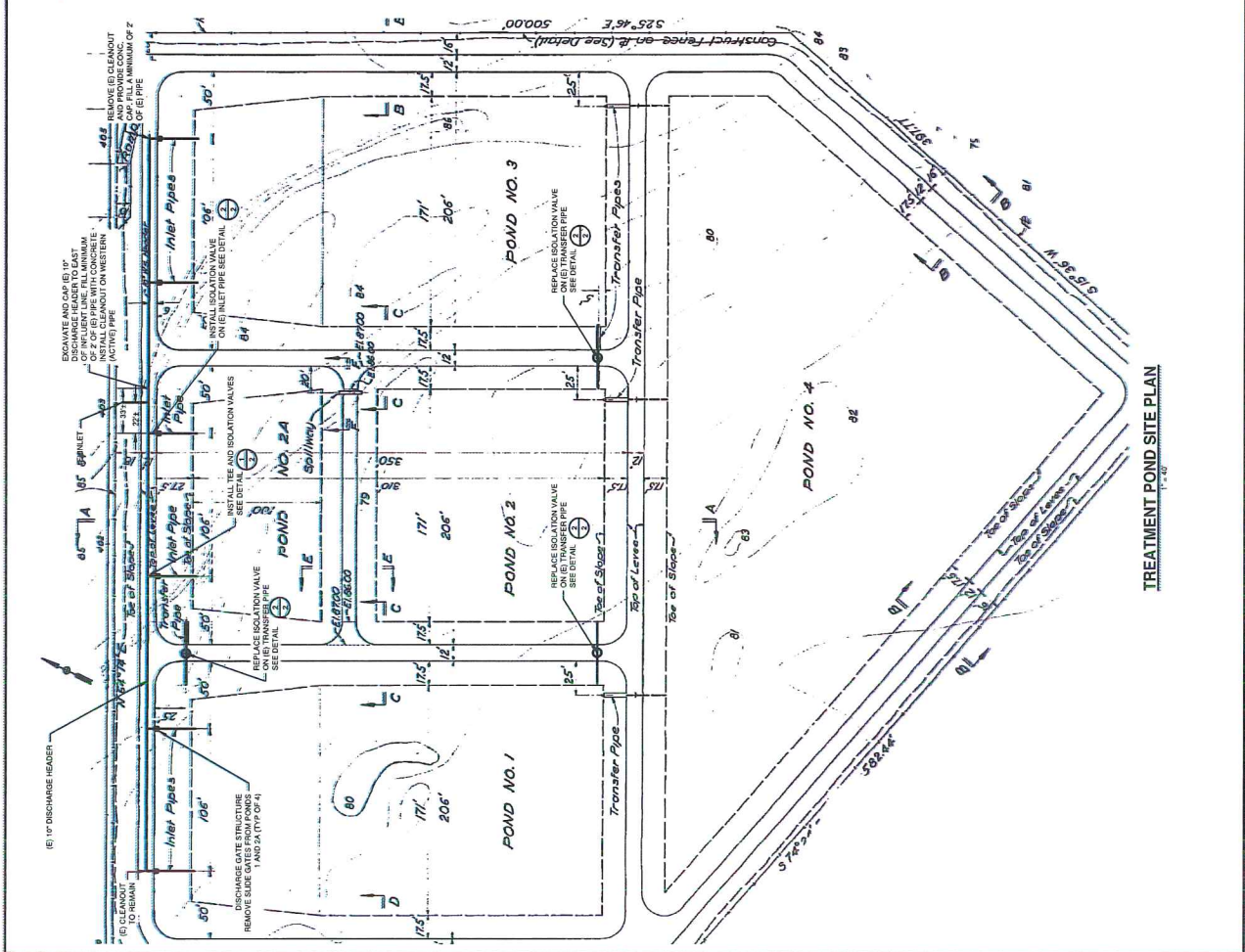
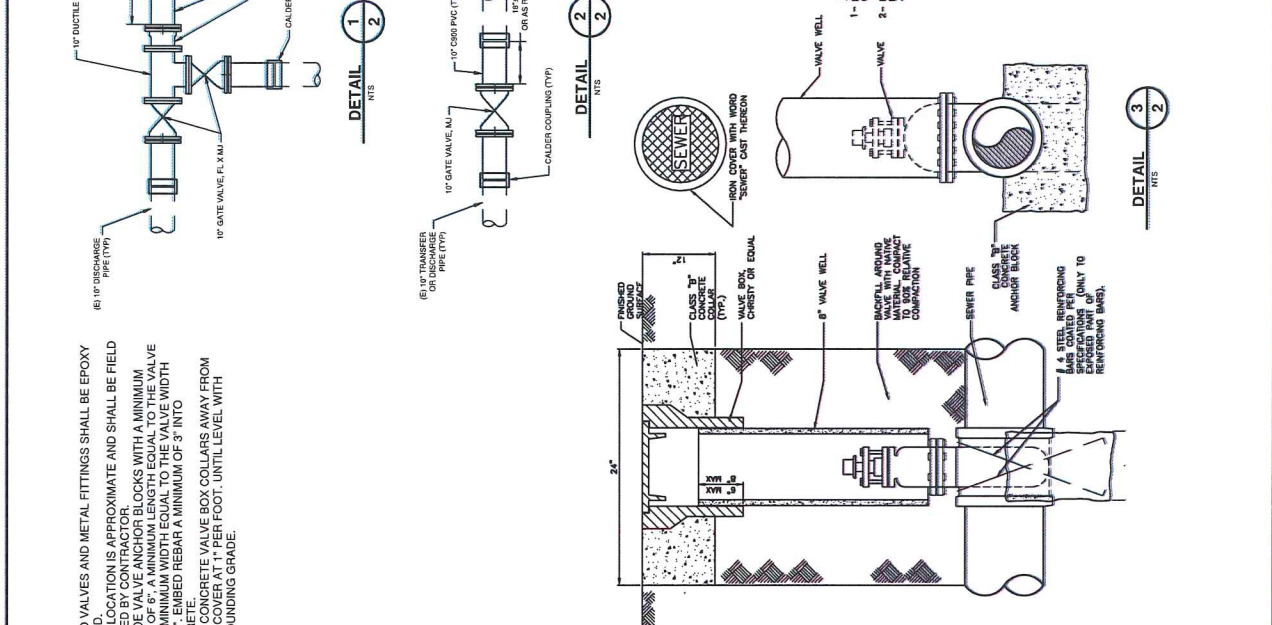
SHEET
1 of 6

Scharf & Wheeler
CONSULTING CIVIL ENGINEERS
3 Quail Run Circle, Suite 101
Salinas, CA 9307-2348
(831) 883-4848

NO.	REVISIONS	DATE	APPR.

NOTES

- BURIED VALVES AND METAL FITTINGS SHALL BE EPOXY COATED.
- VALVE LOCATION IS APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR.
- PROVIDE VALVE ANCHOR BLOCKS WITH A MINIMUM DEPTH OF 6" BELOW THE VALVE AND A MINIMUM WIDTH EQUAL TO THE VALVE WIDTH PLUS 6". EMBED REBAR A MINIMUM OF 3" INTO CONCRETE.
- SLOPE CONCRETE VALVE BOX COLLARS AWAY FROM THE COVER AT THE PER FOOT, UNTIL LEVEL WITH SURROUNDING GRADE.



TREATMENT POND SITE PLAN
11-102

NO.	REVISIONS	DATE	APPR.

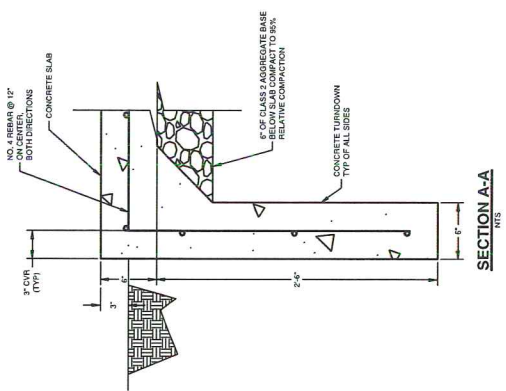
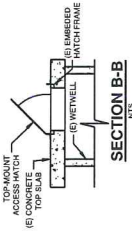
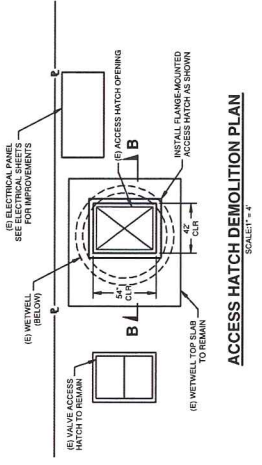
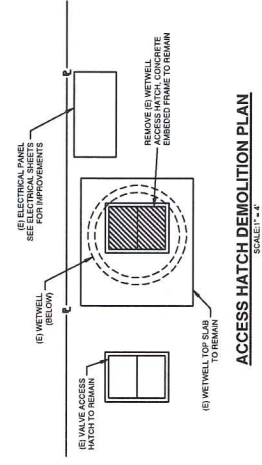
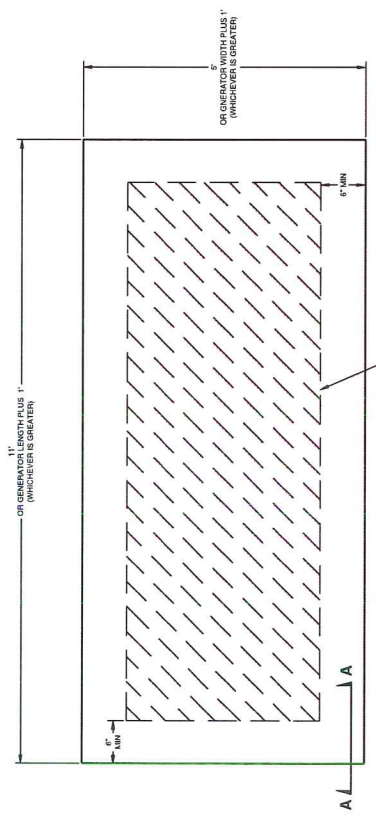


Scharf & Wheeler
CONSULTING CIVIL ENGINEERS
3 Hill Road, CA 93007-2348
(831) 883-4848

**CHUALAR SANITARY SEWER
REHABILITATION PROJECT - PROJECT NO. 093-45
& HATCH REPLACEMENT**

DATE:	3/17/18
SCALE:	AS SHOWN
DESIGN:	GMA
DRAWN:	GMA
BY:	LM/TP

SHEET
3 of 6



NOTES

- COORDINATE CIVIL WORK WITH WORK OF ALL OTHER TRADES TO ENSURE COMPATIBILITY.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE MOST CURRENT EDITION OF CALTRANS STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
- CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. SUBMIT MIX DESIGN FOR REVIEW PRIOR TO CONSTRUCTION.
- REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI.
- ACCESS HATCHES SHALL DISPOSE OF EARTH SPOILS AT HIS OWN EXPENSE.
 - ACCESS HATCHES
 - ACCESS HATCH SHALL BE OF THE DIMENSIONS SHOWN (CLEAR OPENINGS).
 - ANCHOR BOLTS
 - ACCESS HATCH SHALL BE SECURED TO CONCRETE TOP SLAB WITH A MINIMUM OF 8 BOLTS. PROVIDE ACCESS HATCH WITH LOCK AND KEYS.
 - ACCESS HATCH SHALL BE EQUIPPED WITH INTEGRAL FALL PROTECTION, SUCH THAT THE HATCH COVER IS NOT CAPABLE OF CLOSURE WITHOUT CLOSURE OF THE FALL PROTECTION DEVICE.
 - ACCESS HATCH SHALL BE RATED FOR 300 PSF LOADING.
 - ACCESS HATCH SHALL BE EQUIPPED WITH HYDRAULIC OR SPRING ASSISTED OPENING.
 - ACCESS HATCH SHALL BE AS MANUFACTURED BY EAST JORDAN IRON WORKS, OR APPROVED EQUAL.

