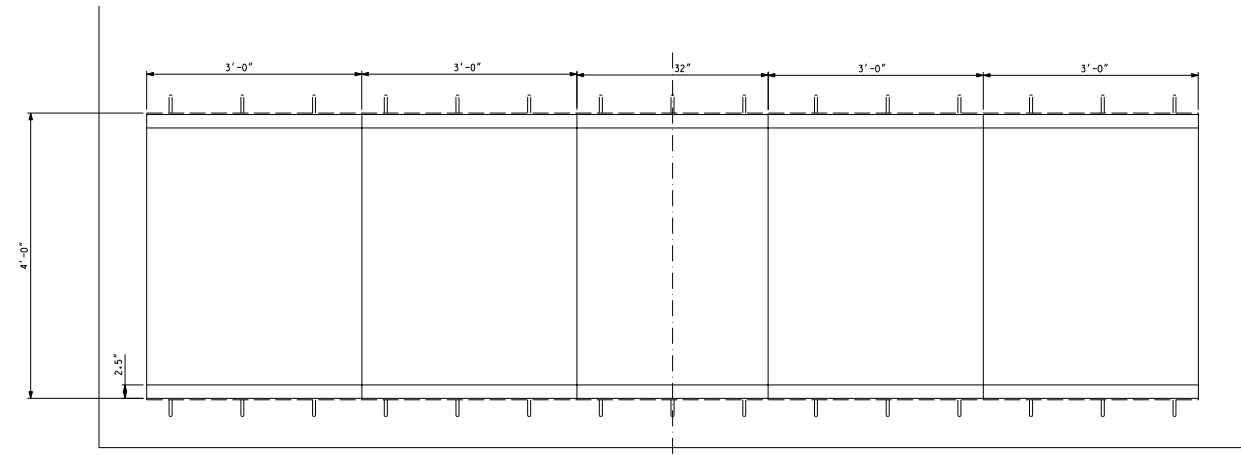
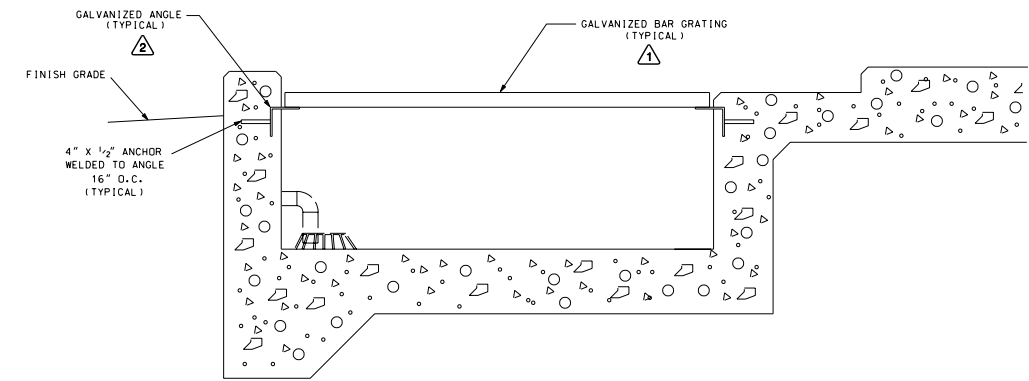


CONTAINMENT SLAB & SUMP PLAN VIEW



SUMP GRATING SUPPORT PLAN VIEW



SUMP GRATING SIDE VIEW

IMPORTANT
EXCAVATION SAFETY PLAN AND PROCEDURES

THE CONTRACTOR AND/OR CONTRACTORS INDEPENDENTLY RETAINED EMPLOYER OR SAFETY CONSULTANT SHALL REVIEW THESE PLANS, CONSTRUCTION SKETCHES, SPECIFICATIONS AND ANTICIPATED EXCAVATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S EXCAVATION SAFETY PLAN AND PROCEDURES. THE EXCAVATION SAFETY PLAN AND PROCEDURES SHALL MEET OR EXCEED ALL REQUIREMENTS AS IDENTIFIED IN THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S (OSHA) STANDARD 29 CFR PART 1926 SUBPART P-EXCAVATIONS (7-2004 EDITION). SPECIFICALLY, THE CONTRACTOR AND/OR THE CONTRACTORS INDEPENDENTLY RETAINED EMPLOYER OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT AN EXCAVATION SAFETY PROGRAM IN ACCORDANCE WITH OSHA'S STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND ANY EXCAVATION.

CPS TO INSTALL:

- ▲ PVC CONDUIT ON POLE (WITH RISER BRACKETS).
- ▲ AL 15 KV XLPE CABLES (BUNDLED) IN CUSTOMER INSTALLED CONDUIT.
- ▲ PAD MOUNTED TRANSFORMER MANUFACTURER: GE

CUSTOMER TO INSTALL:

- ▲ 36" RADIUS SCHEDULE 80 PVC ELL AND CONCRETE UP TO GROUND LEVEL (SEE RISER DETAIL). CUSTOMER SHALL MAKE PROVISIONS TO ENSURE THAT RISER POLE IS NOT ENCASED IN CONCRETE.
- ▲ CUSTOMER SHALL STUB UP AND CAP 2" CONDUIT AT BASE OF POLE. CUSTOMER SHALL ALSO STUB OUT AND CAP 4" PVC CONDUIT 6" FROM CONCRETE ENCASEMENT.
- ▲ PVC DUCTLINE FROM RISER POLE TO SLAB.
- ▲ OIL CONTAINMENT SLAB WITH 10' X 10' CONCRETE SLAB FOR TRANSFORMER, HEIGHT OF SLAB TO BE 6" ABOVE GROUND.
- ▲ GROUND RODS, PROVIDED BY CPS TO BE INSTALLED 2" FROM CLOSEST CONDUIT.
- ▲ 2 - 2" PIPES SET IN 2" CONCRETE WITH KINDORF HORIZONTAL MEMBERS TO SUPPORT CODE 22 METER ENCLOSURE. TOP OF ENCLOSURE TO BE 6" TO 6 1/2" ABOVE GROUND LEVEL. ELECTRICIAN TO CONTACT CPS CABINET CLERKS AT 363-2734 OR 363-2881 TO PLACE ORDER FOR METER ENCLOSURE AND CONTACT ELECTRIC SERVICE AND METER FOREMAN AT 363-6843 FOR ADDITIONAL METERING INFORMATION.
- ▲ 2" METERING CONDUIT FROM SECONDARY COMPARTMENT OF TRANSFORMER TO METER. CONDUIT MAY BE GALVANIZED OR SCHEDULE 40 PVC.
- ▲ CUSTOMER TO STUB UP AND CAP 2" CONDUIT AT GROUND LEVEL UNDER METER.
- ▲ CONDUITS WITH CABLES IN EACH FROM SECONDARY COMPARTMENT OF TRANSFORMER TO CUSTOMER'S SWITCHGEAR. LUGS AT SECONDARY TERMINALS OF TRANSFORMER. LUGS TO BE TWO-HOLE, SINGLE BARREL FOR CU CABLE. IF ALUM. CABLE IS USED, COMPRESSION TYPE LUGS REQUIRED.

INSPECTION NOTE:

CPS IS TO INSTALL THE RISER POLE AND STANDOFF BRACKETS BEFORE THE CONTRACTOR INSTALLS CONDUIT. IT IS ESSENTIAL THAT AN INSPECTION OF THE SLAB AND DUCTLINE BE MADE BY A CPS INSPECTOR PRIOR TO AND AFTER THE POURING OF CONCRETE. CALL 363-6860 TO ARRANGE FOR THE INSPECTION. TWENTY-FOUR HOURS ADVANCE NOTICE IS REQUIRED WHEN CALLING FOR AN INSPECTION. BE PREPARED TO REFERENCE WORK REQUEST NUMBER AND ADDRESS SHOWN ON THIS COPY. CALL BETWEEN 7:00 A.M. AND 3:30 P.M. MONDAY - FRIDAY.

NOTES:

- THIS DESIGN STANDARD APPLIES TO ALL STATIONS WHERE A NEW SERVICE IS REQUIRED AND SPACE REQUIRED FOR A STANDARD CPS SLAB IS NOT AVAILABLE. PROPOSED CPS STANDARD DESIGN IS TO BE USED UNLESS SPACE IS NOT AVAILABLE. THIS SLAB DESIGN WILL CONTAIN A MAXIMUM OF 1,000 GALLONS OF LIQUID. THE SLAB DESIGN SHALL ALWAYS BE APPROVED BY CPS ENGINEERING PRIOR TO CONSTRUCTION. A SET OF CPS DRAWINGS WILL BE ISSUED FOR CONSTRUCTION.
- COORDINATE POLE AND TRANSFORMER LOCATION WITH CPS ENGINEERING.

- ▲ - GRATING TO BE GALVANIZED BAR GRATING, TYPE 184 SPACING, 3/16" X 1 1/2" X 36"W X 47'L (5 PIECES), ONE PIECE CUT 32"W.
- ▲ - ANGLE TO BE GALVANIZED 4" X 4" X 1/4"
- ▲ - ANGLE TO BE GALVANIZED 1 1/2" X 1 1/2" X 1/4"
- ▲ - SHEETING TO BE GALVANIZED WITH BEND AT BOTTOM FOR CORRECT OIL CONTAINMENT AS SHOWN IN DETAILS.
- ▲ - CHANNEL TO BE GALVANIZED 6"W X 2"D AND ANCHORED IN CURB AS SHOWN IN DETAILS.

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No.	Revision	Drawn	Approved	Date
Revisions				
DESIGN STANDARDS PUMP STATION 10' X 10' CPS CONTAINMENT SLAB FOR LIMITED SPACE ONLY				
Developer SAN ANTONIO WATER SYSTEM				
Cont. Budget Proj.				
SUBMITTED GRUBB ENGINEERING, INC.				
APPROVED _____				
Map No.				Sheet
Section No.			Job No.	
Dr. rdg Ch			E26	