



SEWER FORCE MAIN REPLACEMENT PROJECT
FOR
COUNTY SERVICE AREA (CSA) 70 – S3 – LYTLE CREEK

WARNING:

ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING THE PROJECT.



SECTION G

CONTRACT DRAWINGS

**SEWER FORCE MAIN
REPLACEMENT PROJECT**

FOR

**COUNTY SERVICE AREA (CSA) 70 – S3 LYTLE CREEK
LYTLE CREEK, CALIFORNIA**

PROJECT NO. 30.30.0032

COUNTY SERVICE AREA 70 S3 LYTLE CREEK L.S.01

COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS

SEWER FORCE MAIN REPLACEMENT PROJECT

GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS CODES. THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) LATEST EDITION AND ALL SUPPLEMENT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A CURRENT AND APPROVED SET OF DISTRICTS STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES. STANDARD SPECIFICATIONS CAN BE PURCHASED AT THE COUNTY SPECIAL DISTRICTS DEPARTMENT OFFICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR CONSTRUCTION INSPECTION AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
- APPROVAL OF THIS PLAN BY THE COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY PIPING OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THIS PROJECT.
- THE CONTRACTOR SHALL CONTROL DUST BY WATERING. AIRBORNE DUST AND DIRT PARTICLES WILL NOT BE ALLOWED.
- PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE FROM DIRT AND/OR DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED IN STREET CLEANING NECESSITATED BY HIS OPERATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE JOB SITE AND THE LOCATION OF ALL UNDERGROUND FACILITIES SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR WILL BE UNILATERALLY RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING UTILITIES THAT ARE SHOWN OR NOT SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL NOTIFY ALL SERVING UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING ANY DITCH EXCAVATION WHEN WORK IS TO BE PERFORMED NEAR THEIR FACILITIES.
- THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL ADJUST ALL VALVES, METER BOXES, ETC. TO FINISH GRADE.
- UNDERGROUND UTILITY OWNERS SHALL BE CONTACTED FOR THEIR UTILITY LOCATIONS PRIOR TO ANY DIGGING.
- FLOOD INSURANCE RATE MAP NOT AVAILABLE FOR THIS AREA.
- POSITIVE DRAINAGE OF THE SITE SHALL BE PROVIDED. AND RUNOFF SHALL NOT BE ALLOWED TO FLOW OVER NATURAL, CUT OR FILL SLOPES IN SUCH A WAY AS TO CAUSE EROSION.

UTILITY NOTIFICATIONS

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION:

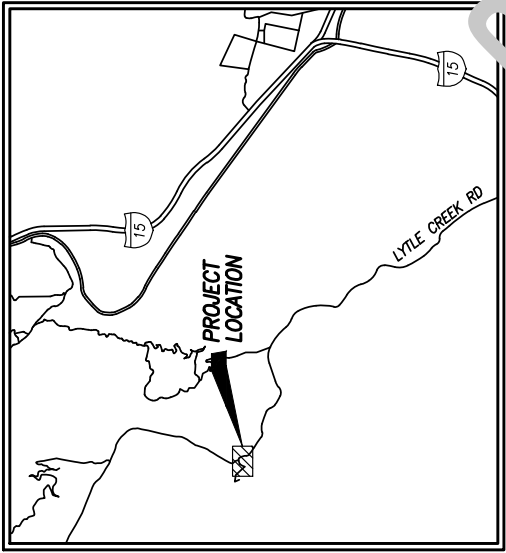
SOUTHERN CALIFORNIA EDISON
(800) 611-1911

WATER AND SANITATION
SPECIAL DISTRICTS DEPARTMENT
P.O. BOX 5004
VICTORVILLE, CA 92393-5004
(760) 955-9685

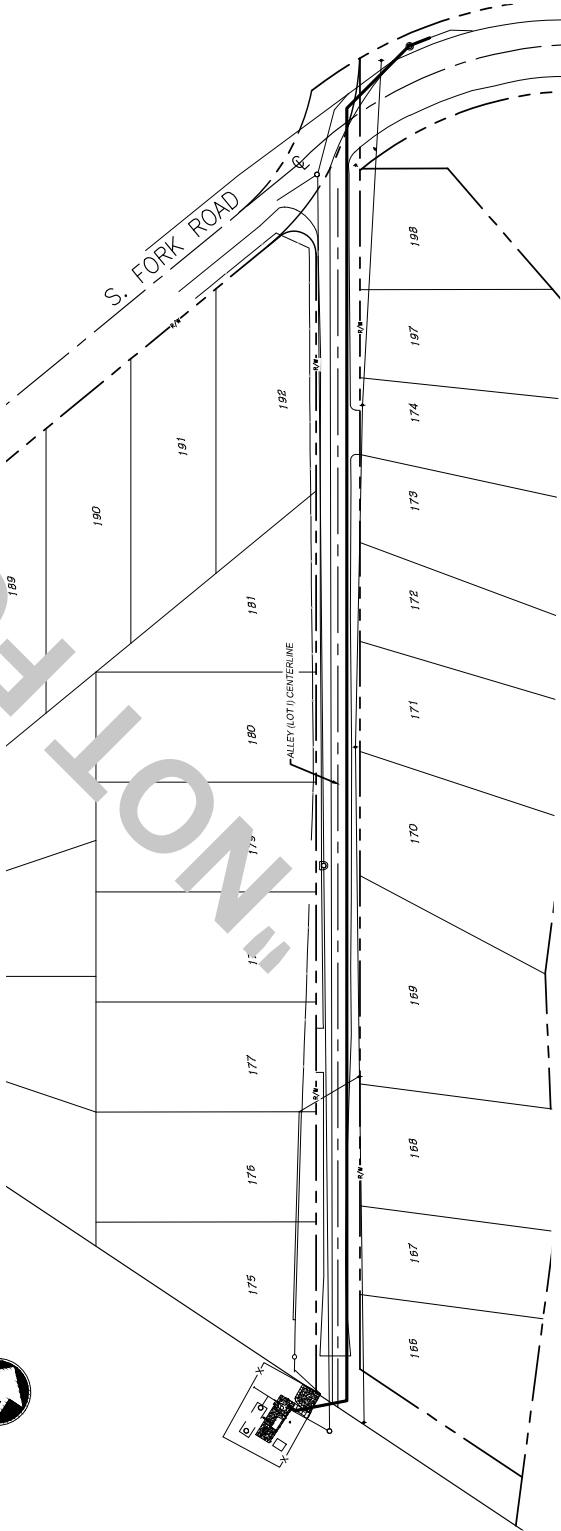
FRONTIER COMMUNICATIONS
(800) 921-8101



Know what's below.
Call 811 before you dig.



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

BASIS OF BEARING
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (NAD 83), ZONE 5, 2010.00 EPOCH AS DETERMINED LOCALLY BETWEEN TWO FOUND IRON PIPES TAGGED L.S. 2722 AS SHOWN ON R.S. 01-163 BEING S89° 45' 51"E.

BENCH MARK
U.S.G.S BENCHMARK H-10 (1936):
4 IN. BRASS DISK STAMPED
"U.S.G.S. BENCH MARK H-10 (1936)"
0.15 MILES NLY OF ENTRANCE TO
LYTLE CREEK RANGER STATION.
2719.364 (FT)

OWNER:

COUNTY SERVICE AREA 70 ZONE S-3

ASSESSOR'S PARCEL NO.

0350-292-43-0000

LEGAL DESCRIPTION

TRACT NO 2047 LOT 1 EX PTN CLOSED INCLUDED IN TRACT NO 2273 AND EX PTN LYING BETWEEN SWLY AND NELY LINES LOT 166 EXTENDED SLY TO SLY LILOT, SAN BERNARDINO COUNTY, CALIFORNIA.

SHEET INDEX

C-1: TITLE SHEET, VICINITY MAP, AND GENERAL NOTES
C-2: 4" FORCE MAIN PLAN & PROFILE
C-3: 4" FORCE MAIN DETAILS

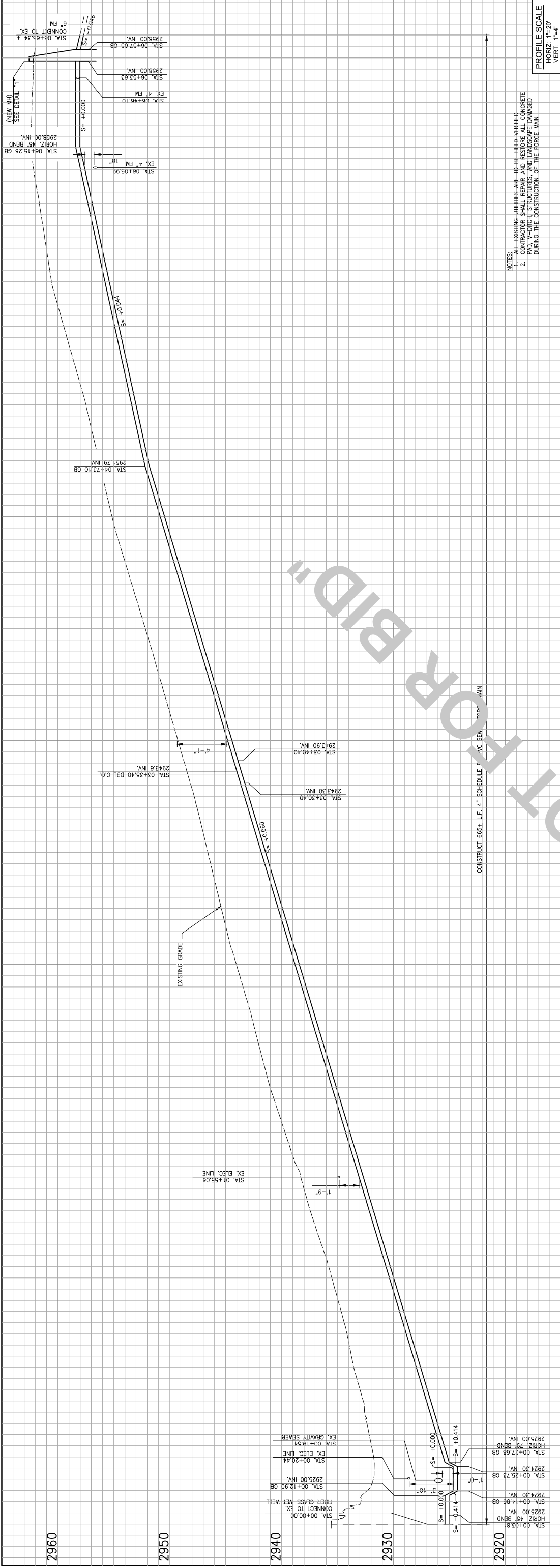
LEGEND

PROPERTY BOUNDARY LINE
RIGHT OF WAY LINE
OVERHEAD POWER/ELECTRIC LINE
UNDERGROUND COMMUNICATION LINE
UNDERGROUND POWER/ELECTRIC LINE
FENCE LINE
SANITARY SEWER LINE

ABBREVIATIONS:

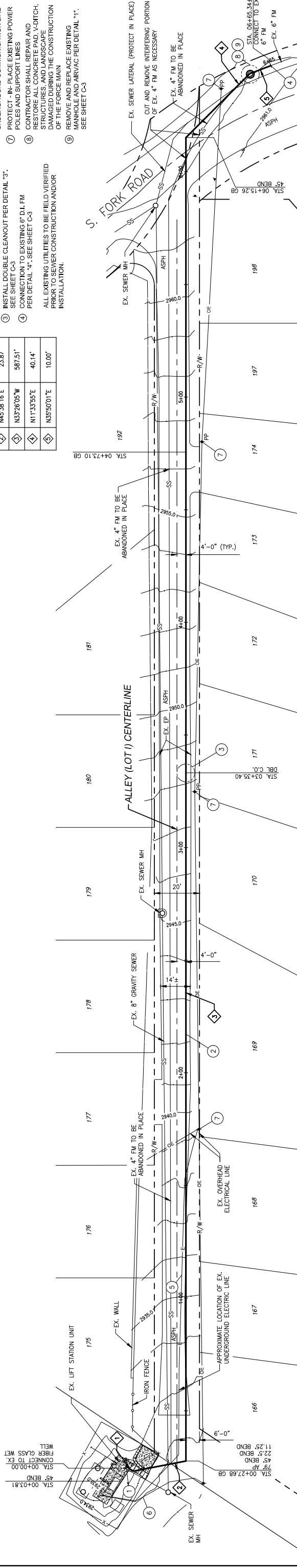
AC ASPHALT CONCRETE
AP ANGLE POINT
ASPH ASPHALT
AV AIR-VAC
C.O. CLEANOUT
CL CENTERLINE
CLF CHAIN LINK FENCE
COM COMMUNICATIONS
CONC CONCRETE
D.I. DUCTILE IRON
DBL DOUBLE
ELL ELBOW
EP EDGE OF PAVEMENT
EX EXISTING
FLG FLANGE
FM FORCE MAIN
GB GRADE BREAK
HORIZ. HORIZONTAL
INV. INVERT
LT LEFT
MIN. MINIMUM
MH SANITARY SEWER MANHOLE
OE OVER HEAD ELECTRICAL
OH OVER HEAD
PP POWER POLE
R/W RIGHT OF WAY
RT RIGHT
SS SANITARY SEWER
TYP. TYPICAL
XING CROSSING

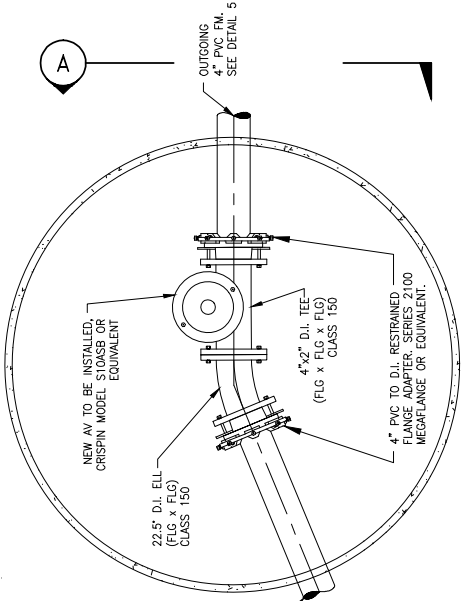
<div>WestLAND Group, Inc. <small>Land Engineers & Surveyors • C&S</small></div> <div>4150 CONCORDS, ONTARIO, CA 91764 PHONE: (909) 989-9789 FAX: (909) 989-9660</div> <div>SIGNATURE: RICARDO CORONA, P.E. _____ P.E. No. _____ DATE _____</div>								DESIGNED BY: _____ N/A				PREPARED BY: COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS SPECIAL DISTRICTS				SUBMITTED BY: <u>Mike Naji</u> DISTRICT ENGINEER				SCALE: AS SHOWN				COUNTY SERVICE AREA 70 - S3				SHEET 1 OF 3									
																				DATE 4/9/2021																	
																								DATE													
																								WORK ORDER NO.				TITLE SHEET, VICINITY MAP, AND GENERAL NOTES				DRAWING NO.					
																												SPECIAL DISTRICTS DEPARTMENT				SOUTH FORK ROAD & PRIVATE ROAD LYTLE CREEK, CA				C-1	



LINE TABLE		
LINE	BEARINGS	DISTANCE
①	S89°09'19"E	3.81'
②	N45°38'16"E	23.87'
③	N37°26'05"W	587.51'
④	N11°33'55"E	40.14'
⑤	N35°50'01"E	10.00'

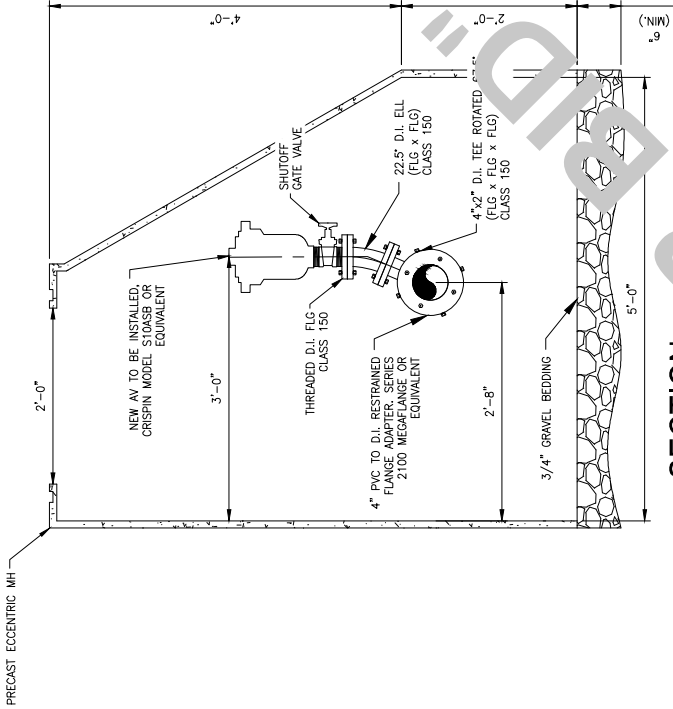
- ### 4" FORCE MAIN CONSTRUCTION NOTES
- ① CONNECTION TO EXISTING FIBER GLASS WET WELL TO BE DETERMINED BY CONTRACTOR.
 - ② MINIMUM DEPTH COVER SHALL BE 4' OR MORE.
 - ③ INSTALL DOUBLE CLEANOUT PER DETAIL "3".
SEE SHEET C-3
 - ④ CONNECTION TO EXISTING 6" D.I. FM PER DETAIL "4"; SEE SHEET C-3
- ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO SEWER CONSTRUCTION AND/OR INSTALLATION.
- ⑤ PROTECT - IN- PLACE EXISTING UNDERGROUND POWER/ELECTRICAL LINE
 - ⑥ PROTECT - IN- PLACE EXISTING UNDERGROUND COMMUNICATION LINE
 - ⑦ PROTECT - IN- PLACE EXISTING POWER POLES AND SUPPORT LINES
 - ⑧ CONTRACTOR SHALL REPAIR AND REINFORCE EXISTING MANHOLE/JUNCTION, STRUCTURES AND LANDSCAPE DAMAGED DURING THE CONSTRUCTION OF THE FORCE MAIN
 - ⑨ REMOVE AND REPLACE EXISTING MANHOLE AND MRVAC PER DETAIL "1"; SEE SHEET C-3

[illegible]



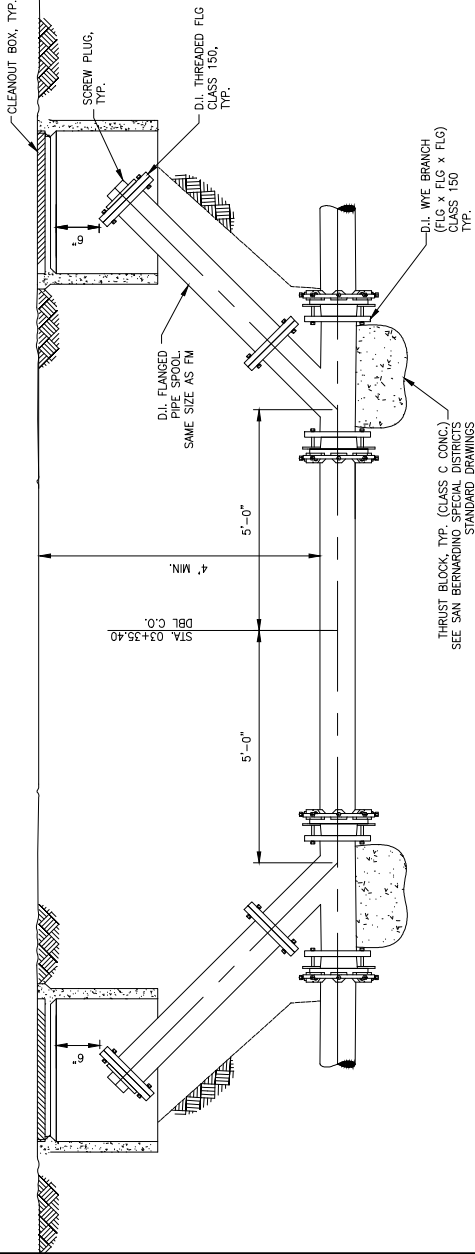
AIRVAC PLAN

SCALE: 1"=1'
C-2



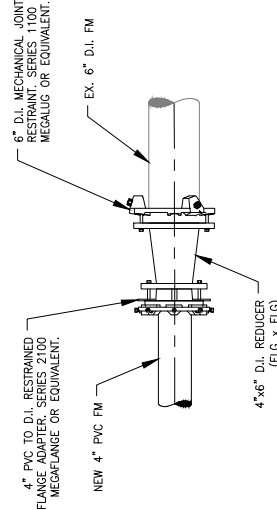
SECTION

SCALE: 1"=1'



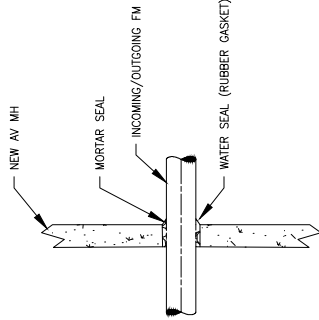
2 WAY CLEANOUT

SCALE: N.T.S.



4" TO 6" FM CONNECTION

SCALE: 1"=1'

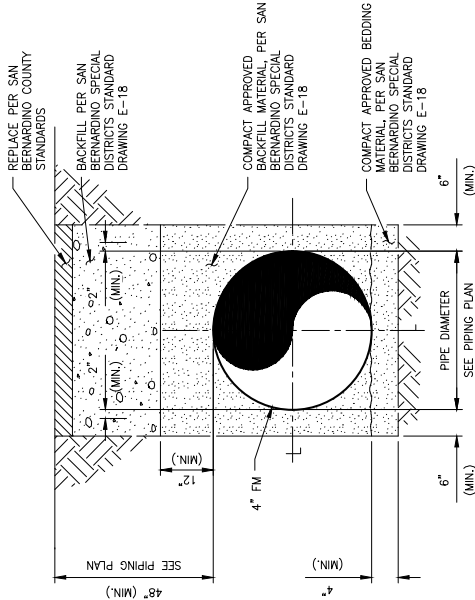


PROTRUSION

SCALE: 1"=2'

PAVED SURFACE BACKFILL

SCALE: N.T.S.
C-2



EX. MANHOLE CONDITIONS

SCALE: N.T.S.