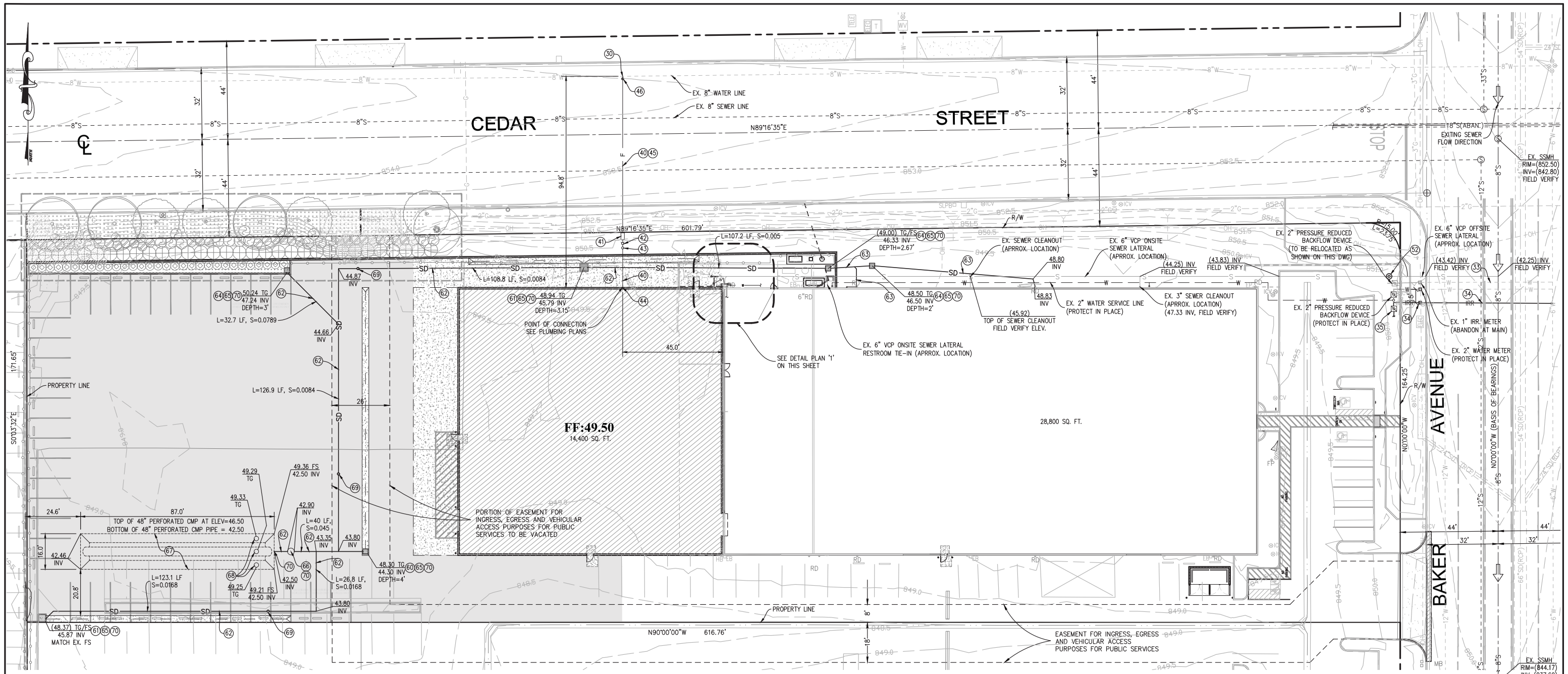


UTILITY NOTE:

THE UNDERGROUND UTILITIES AS SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED FIELD SURVEY EVIDENCE AND EXISTING DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: PLANS PROVIDED BY THE CLIENT, UTILITY COMPANIES, AND MUNICIPAL AGENCIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES NOT CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNT AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

STORM DRAIN AND SEWER NOTES:

1. STORM WATER SHALL NOT BE DRAINED INTO SEWERS INTENDED FOR SANITARY DRAINAGE ONLY [CPC 1101.3].
2. ALL INLETS AND OUTLETS INTO AND OUT OF THE MANHOLES SHALL INCORPORATE THE USE OF A FLEXIBLE COMPRESSION JOINTS LOCATED BETWEEN 12" AND 36" FROM THE MANHOLE. NO FLEXIBLE COMPRESSION JOINT SHALL BE EMBEDDED IN THE MANHOLE BASE. [CPC 719.6 AND 1101.13.1]
3. THE TWO-WAY CLEANOUT MUST BE AN APPROVED TYPE AS DEFINED IN THE CPC SECTION 203.0 & PER SECTION 707.4 EXCEPTION (4).

WATER CONSTRUCTION NOTES

(30) HOT TAP CONNECTION PER CITY STD. # 4106. (1 EA)
(31) INSTALL 1 1/2" TYPE K COPPER TUBING. (7 LF)
(32) CONNECT TO EXISTING 2" WATER SERVICE CONNECTION. SEE PLUMBING PLANS. (1 LOT)
(33) ABANDON EXISTING IRRIGATION SERVICE AT MAIN. (1 LOT)
(34) INSTALL 1" IRRIGATION WATER SERVICE WITH METER BOX PER CITY STD. # 4106, # 4201, #1306. (1 EA)
(35) INSTALL 1" WATER BACKFLOW PER CITY STD. #4206. (1 EA)

FIRE CONSTRUCTION NOTES

(40) INSTALL 4" CML&C STEEL PIPE PER CITY OF ONTARIO STD. DWG#4208. SEE SHEET 12 FOR DETAILS. (95 LF)
(41) INSTALL 4" FIRE SYSTEM DOUBLE DETECTOR CHECK ASSEMBLY PER CITY OF ONTARIO STD. DWG#4208.(1 EA)
(42) INSTALL FIRE DEPARTMENT CONNECTION PER DETAILS ON SHEET 9 OR APPROVED EQUAL.(1 EA)
(43) INSTALL POST INDICATOR VALVE PER DETAILS ON SHEET 9 OR APPROVED EQUAL.(1 EA)
(44) INSTALL FIRE RISER PER DETAILS ON SHEET 9 OR APPROVED EQUAL. (1 EA)
(45) CONSTRUCT TRENCH BACKFILL AND PAVING PER CITY OF ONTARIO STD. DWG#1306. SEE SHEET 12 FOR DETAILS. (58 LF)
(46) INSTALL 4" GATE VALVE AND BOX PER CITY OF ONTARIO STD. DWG#4005. SEE SHEET 12 FOR DETAILS.(1 EA)

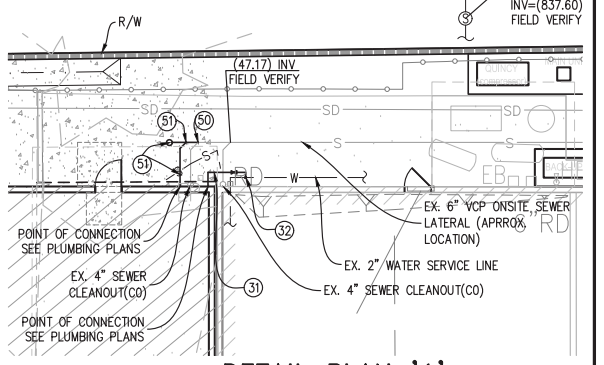
SEWER CONSTRUCTION NOTES

(50) CONNECT TO EXISTING SEWER. PROVIDE GASKET CONNECTIONS AS NECESSARY. SEE PLUMBING PLANS.(1 LOT)
(51) INSTALL 6" PVC SDR35 SEWER LATERAL WITH CLEANOUT PER CITY OF ONTARIO STD. DWG# 2003. PROVIDE PIPE BEDDING (CLASS 'C') PER CITY OF ONTARIO STD. DWG# 2104. PROVIDE 2% MIN. PIPE SLOPE. SEE SHEET 11 FOR DETAILS. PIPES SHALL HAVE 2' MIN. COVER.(10 LF)
(52) INSTALL SEWER CLEANOUT AND BACKWATER VALVE PER CITY OF ONTARIO STD. DWG# 2003. (1 LOT)

STORM DRAIN CONSTRUCTION NOTES

(60) CONSTRUCT 2'X2' PRECAST CATCH BASIN (TRAFFIC RATED) PER DETAILS ON SHEET 5 OR APPROVED EQUAL. (1 EA)
(61) CONSTRUCT 3'X3' PRECAST CATCH BASIN (TRAFFIC RATED) PER DETAILS ON SHEET 5 OR APPROVED EQUAL. (2 EA)
(62) INSTALL 12" SD PVC PIPE(SDR 35) WITH PIPE BEDDING PER DETAILS ON SHEET 5. SEE PLAN FOR INVERTS, PIPES SHALL HAVE 18" MIN. COVER.(566 LF)
(63) INSTALL 6" SD PVC(SDR 35) WITH PIPE BEDDING PER DETAILS ON SHEET 5. SEE PLAN FOR INVERTS, PIPES SHALL HAVE 18" MIN. COVER. (105 LF)
(64) CONSTRUCT 2'X2' PRECAST CATCH BASIN (NON-TRAFFIC RATED) PER DETAILS ON SHEET 5 OR APPROVED EQUAL.(3 EA)
(65) INSTALL STENCIL PER DETAIL ON SHEET 5. (6 EA)
(66) CONSTRUCT GRAVITY SEPARATOR (WITH TRAFFIC RATED COVER) PER DETAIL ON SHEET 4. (1 EA)
(67) CONSTRUCT INFILTRATION SYSTEM WITH 3-48" PERFORATED CMP PIPES. SEE DETAILS ON SHEET 4. (87 LF)
(68) CONSTRUCT 24" DIAMETER CMP MANHOLE PER DETAILS ON SHEET 4. (1 EA)
(69) CONSTRUCT CLEANOUT (SPACED AT 100' MAX) PER DETAILS ON SHEET 9. (3 EA)
(70) SEAL PIPE PER JOINT DETAIL ON SHEET 9. (1 LOT)

NOTE TO CONTRACTOR:
QUANTITIES SHOWN ON THESE PLANS ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR BIDDING ON THIS JOB SHALL PERFORM HIS/HER OWN ESTIMATES.



DETAIL PLAN '1'

SCALE: 1"=10'

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.
Underground Service Alert
Call: 811
TWO WORKING DAYS BEFORE YOU DIG

MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

ABLE INDUSTRIES

2006 S. BAKER AVENUE
ONTARIO, CA 91761

COMPOSITE UTILITY PLAN & STORM DRAIN PLAN

B201801883

SHEET 8 OF 13