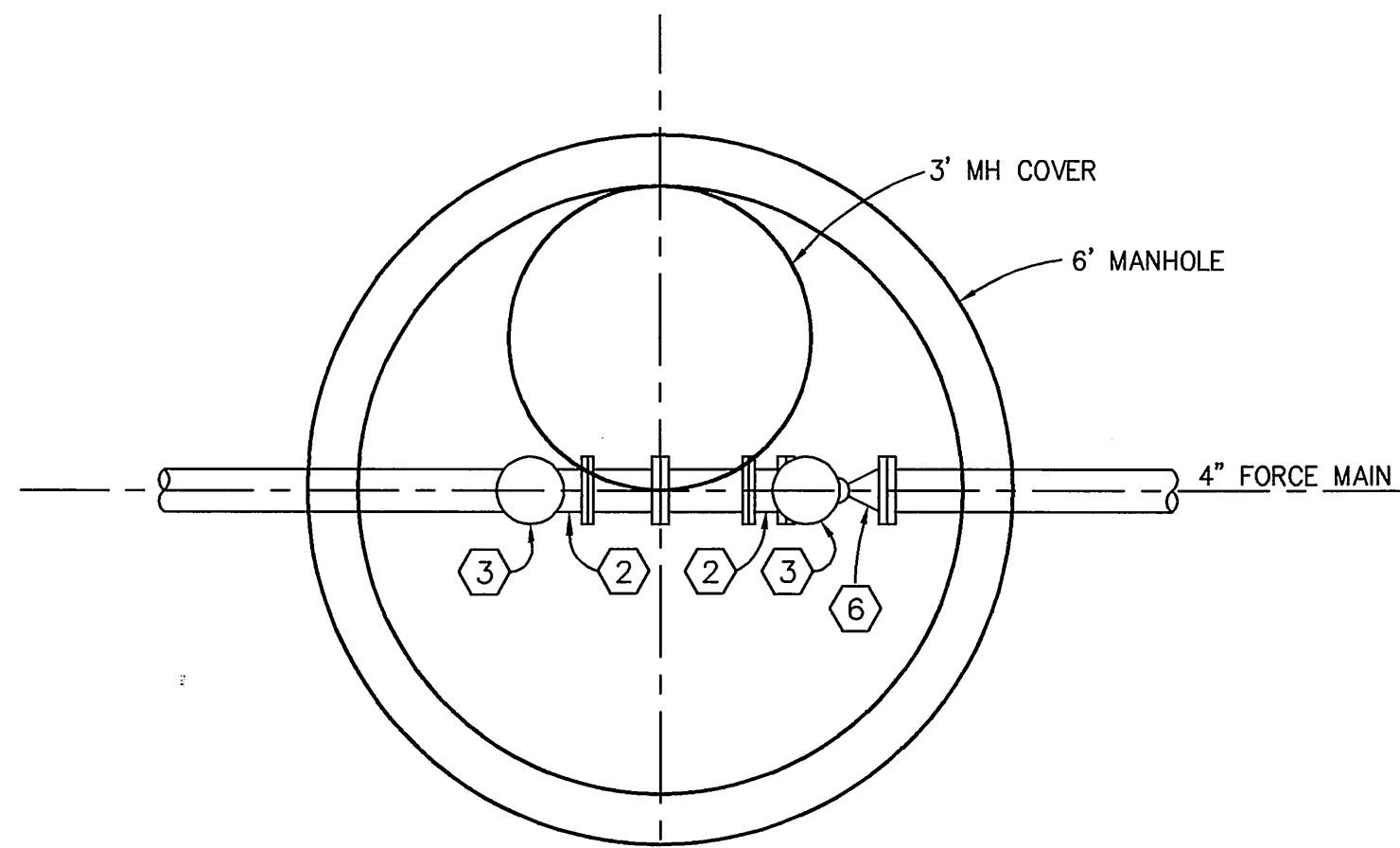
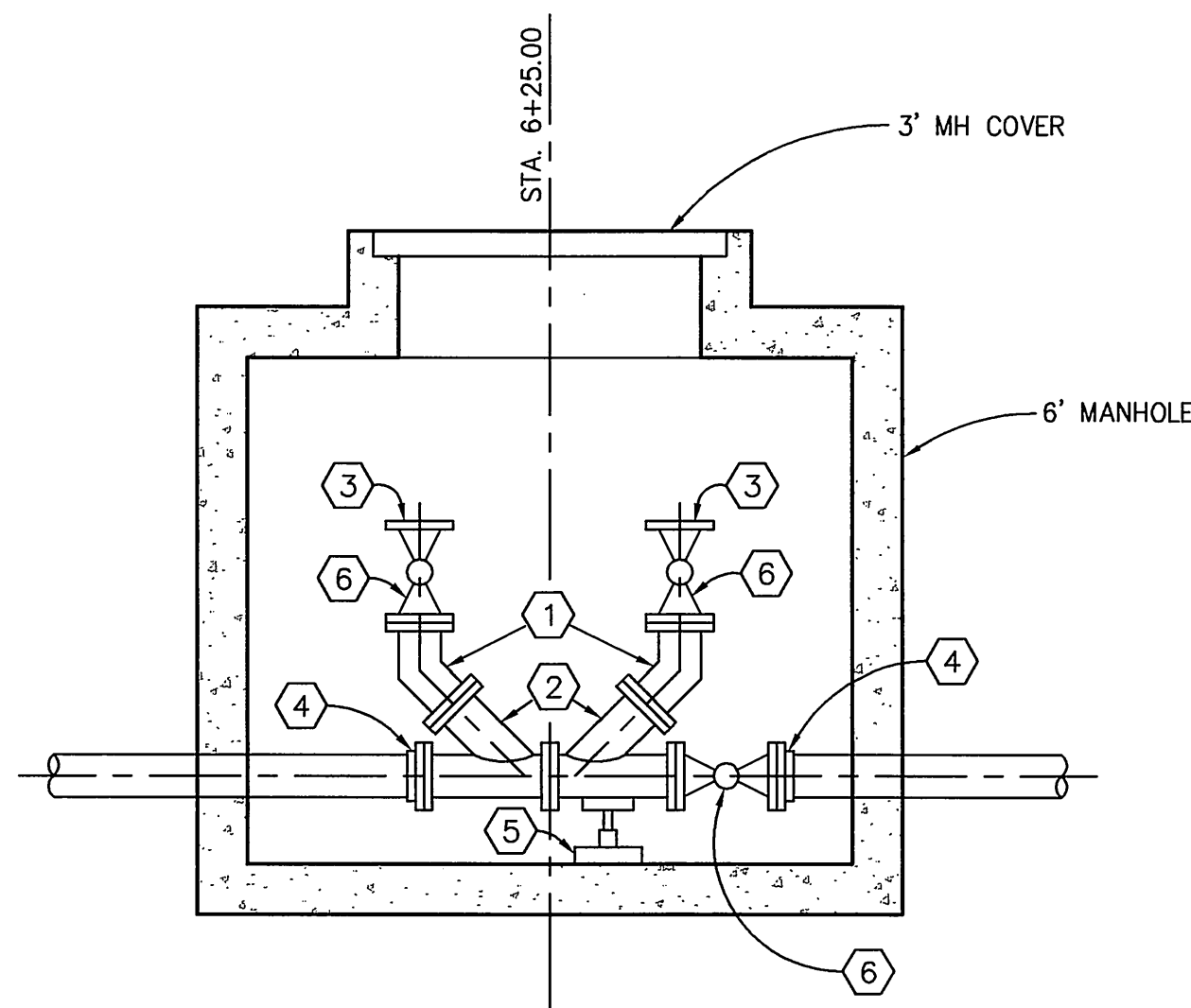


VICINITY MAP  
NTS



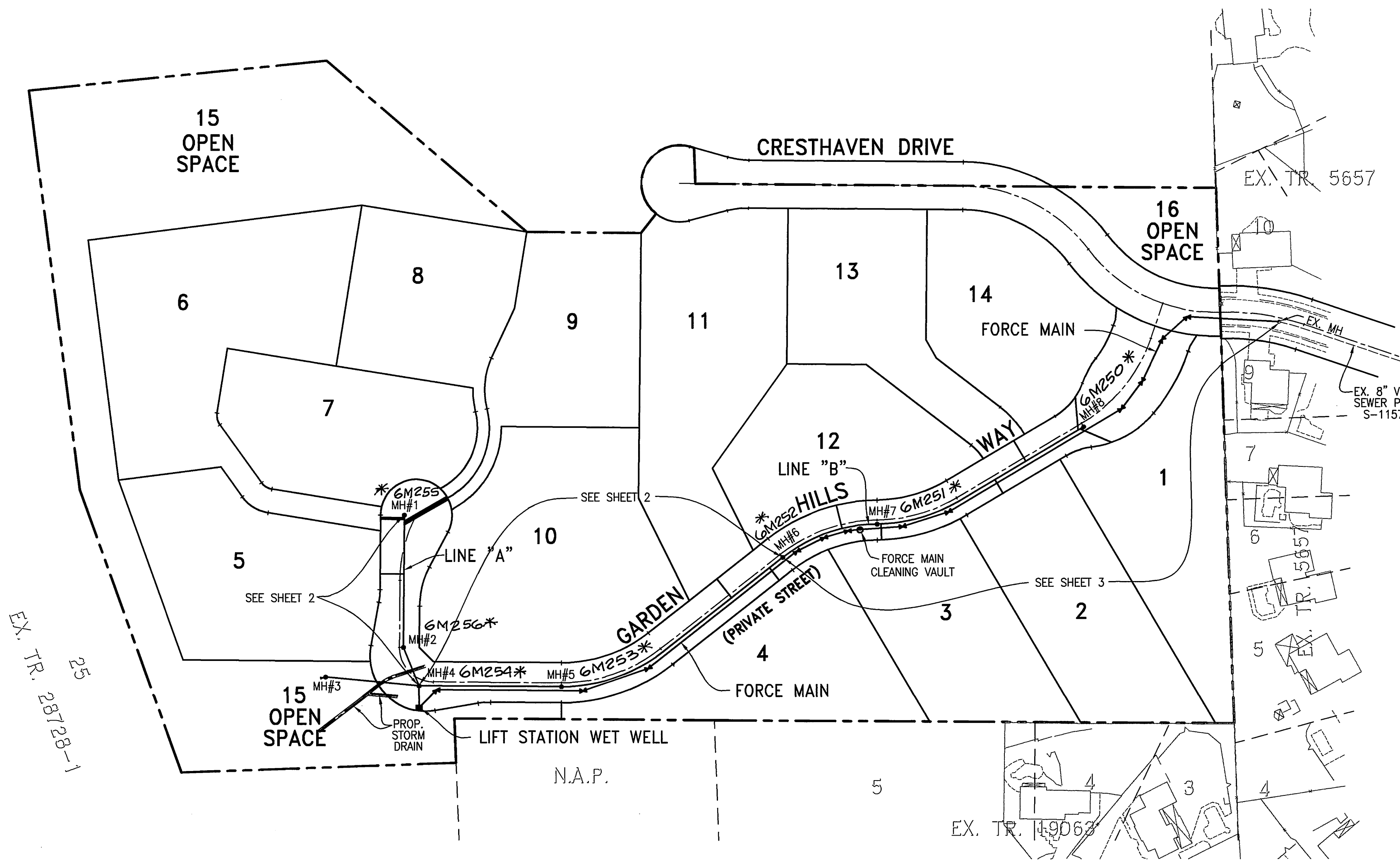
10 PLAN VIEW  
NO SCALE



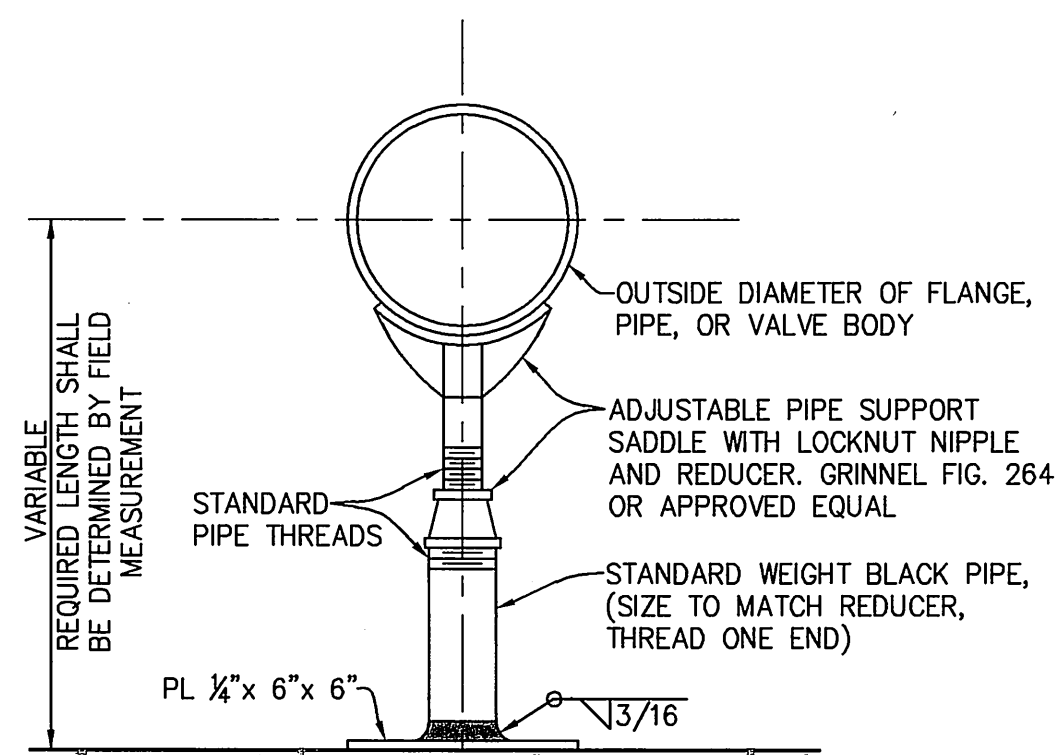
ELEVATION VIEW

10 CLEANING VAULT DETAIL  
NO SCALE

- ① 4"x4" 45° FLANGED CAST IRON ELBOW. CLASS 150.
- ② 4"x4"x4" FLANGED CAST IRON 45° WYE. CLASS 150.
- ③ 2"x4" CAST IRON REDUCING FLANGE. CLASS 150, W/2" THREADED PLUG.
- ④ 4" FLANGED CAST IRON COUPLING ADAPTER, DRESSER STYLE 127 (EPOXY LINED & COATED)
- ⑤ PIPE SUPPORT, SEE DETAIL THIS SHEET.
- ⑥ 4" FLANGED PLUG VALVE. CLASS 150, CLOW.

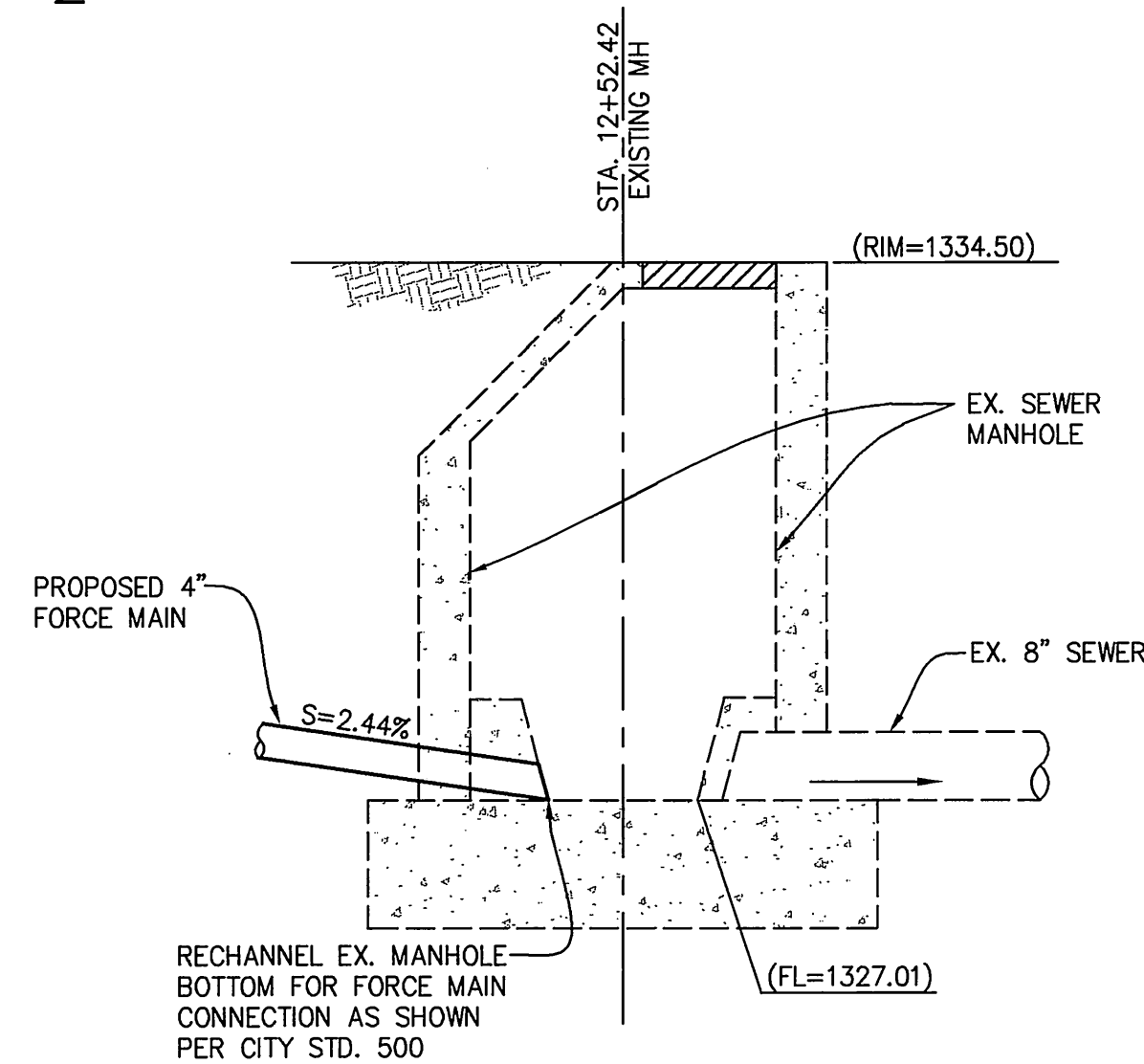


INDEX MAP  
SCALE: 1"=100'



PIPE SUPPORT DETAIL  
NO SCALE

NOTE: GALVANIZE AFTER FABRICATION



ELEVATION VIEW

4" FORCE MAIN CONNECTION TO EXISTING M.H. DETAIL  
NO SCALE

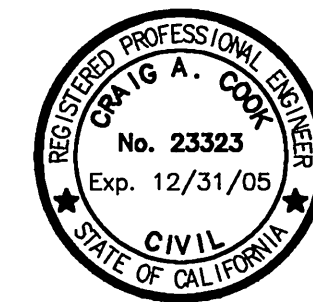
- GENERAL NOTES**
- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
  - CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS STANDARD DRAWINGS, SUPPLEMENTAL NOTES, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
  - THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
  - QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
  - THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
  - ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
  - THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-277-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
  - CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
  - LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
  - NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
  - A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHEN THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
  - THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
  - PRIVATE STREETS ARE DEDICATED FOR PUBLIC USE FOR SEWER FACILITIES.
  - SEWER FORCE MAIN (4" D.I.P., CLASS 350) SHALL BE SAND BEDDED, NATIVE FREE DRAINING MATERIAL WILL BE ALLOWED ONLY WHEN THE SAND EQUIVALENT IS GREATER THAN 30.

**CONSTRUCTION NOTES & QUANTITIES**

ITEM	QTY.	UNIT
① CONSTRUCT MANHOLE PER CITY STD. 500	8	L.F.
② CONSTRUCT 8" PVC SEWER MAIN WITH PIPE BEDDING PER CITY STD. 452 CASE II	1291	L.F.
③ CONSTRUCT 4" PVC SEWER LATERAL PER CITY STD. 562. CONSTRUCT CLEANOUT PER CITY STD. 560 AT PROPERTY LINE	511	L.F.
④ CONSTRUCT 4" FORCE MAIN CONNECTION PER DETAILS THIS SHEET	1	EA.
⑤ CONSTRUCT 4" WET WELL AND PUMP STATION PER PLANS BY OTHERS	1	EA.
⑥ CONSTRUCT 4" x 4" 45° ELBOW	2	EA.
⑦ CONSTRUCT 4" x 4" 22.5° ELBOW	4	EA.
⑧ CONSTRUCT 4" x 4" 11.25° ELBOW	6	EA.
⑨ CONSTRUCT 4" D.I.P. (CLASS 350) WITH PIPE RESTRAINTS AND ADAPTER FLANGES ON ALL PIPE AND FITTING JOINTS, MAINTAIN MIN. COVER OF 4.0', AND WITH SAND BEDDING (SEE GENERAL NOTE 15)	1253	L.F.
⑩ CONSTRUCT CLEANOUT VAULT PER DETAILS THIS SHEET	1	EA.

**BENCH MARK**  
F7-13 P.K. NAIL AND CITY ENGINEER TAG IN THE CONCRETE BASE OF STREET LIGHT AT THE NORTHEASTERLY CURB RETURN OF ALESSANDRO BLVD. AND CENTURY AVENUE. ELEVATION: 1277.591

**TEMPORARY BENCH MARK**  
TIED TO CITY BENCH MARK F7-13 IRON PIPE @ CL OF CRESTHAVEN DR. & TRACT BOUNDARY. ELEVATION: 1333.04



BUSINESS TAX CERTIFICATE NO. 01244 EXP. DATE 12-21-03 PW03-0392

CITY OF RIVERSIDE  
WATER SYSTEM  
VOID ONE YEAR FROM THIS DATE

APPROVED  
DATE 12/15/03

Underground Service Alert  
Call: TOLL FREE  
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

APPROVED BY  
PRINCIPAL ENGINEER  
DATE 12/10/03

GABEL, COOK & BECKLUND  
CIVIL ENGINEERS LAND SURVEYORS  
125 West La Cadenita Drive, Suite A, Riverside, CA 92501  
Telephone (909) 788-8092 Facsimile (909) 788-5184

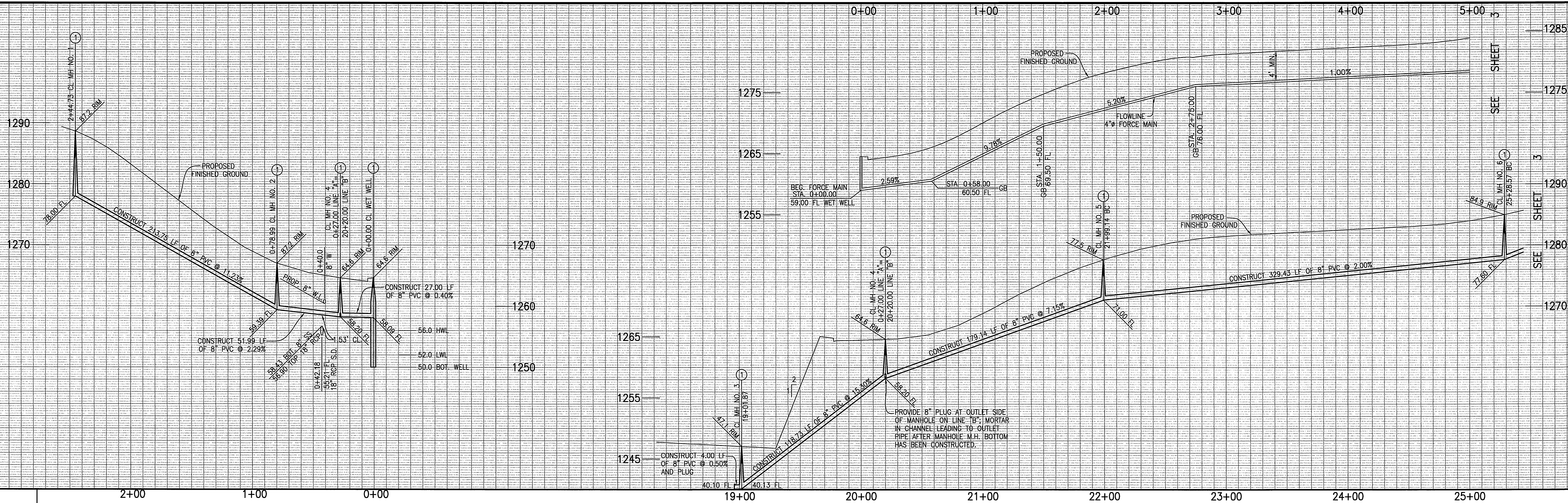
APPROVED BY  
DATE 5 Dec. 2003

CITY OF RIVERSIDE  
SEWER IMPROVEMENTS  
PLAN AND PROFILE  
TRACT 28728-2  
TITLE SHEET

SCALE: AS NOTED

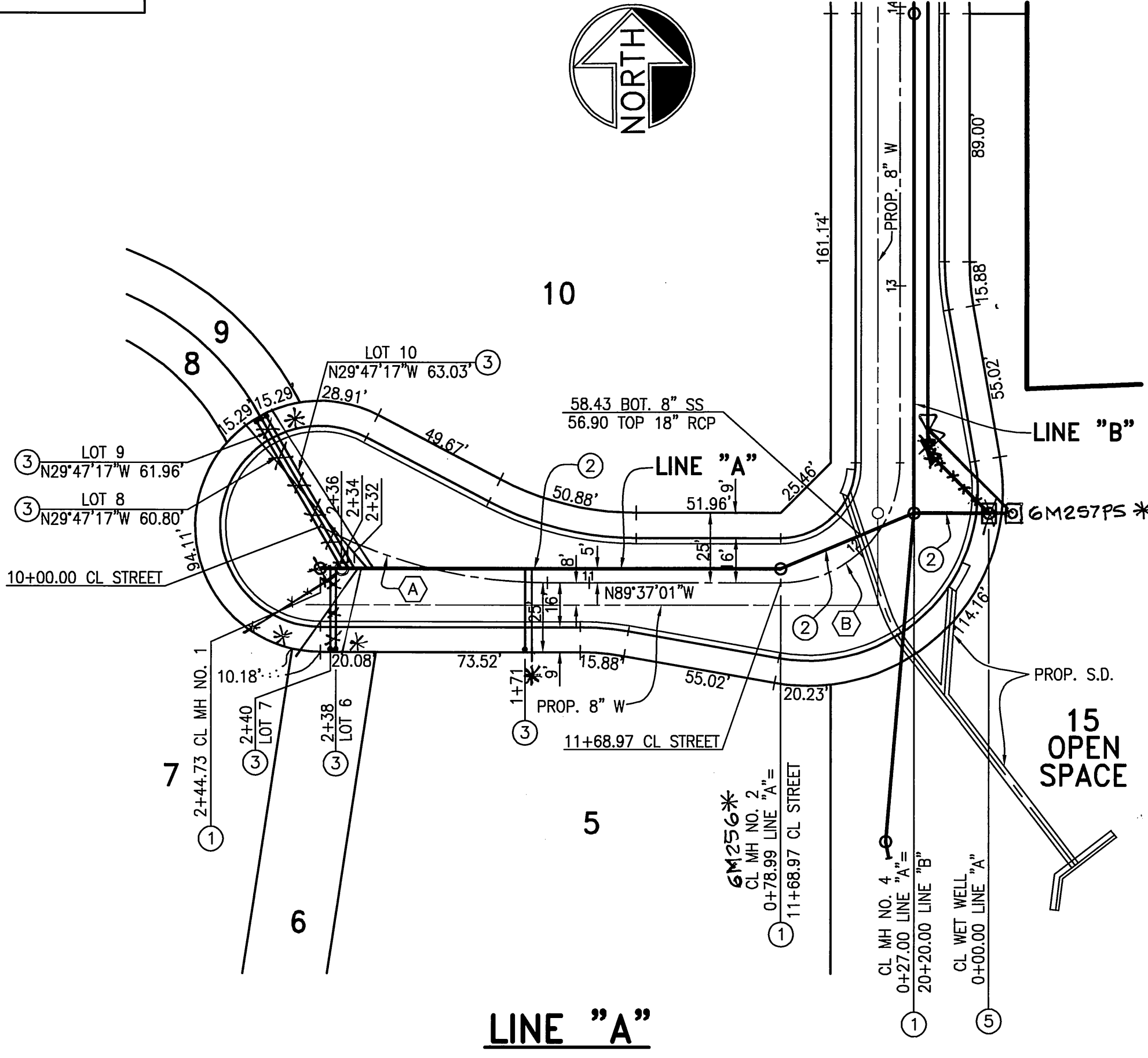
S-1818  
SHEET 1 OF 3  
FILE NO.

INDEXED 12-12-03 LFT



PROFILE SCALE  
 VERT: 1 in = 8 ft  
 HORZ: 1 in = 40 ft

MATCH RIGHT



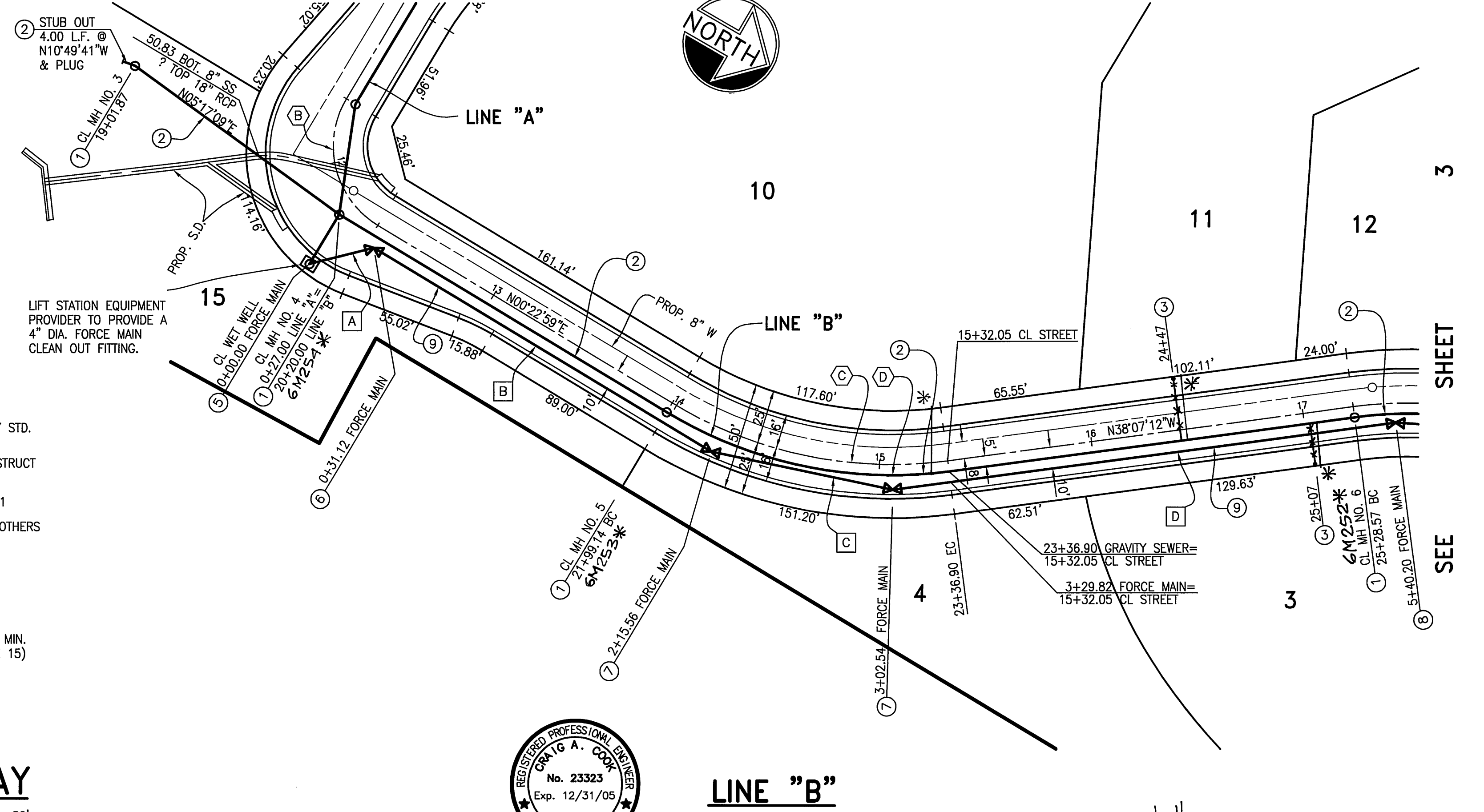
LINE TABLE		
	LENGTH	BEARING
A	31.12	N44°37'01"W
B	184.44	N00°22'59"E
C	86.98	S18°52'06"E
D	237.66	N38°07'12"W

CURVE DATA				
Δ	R	L	T	
A	273'06"	176.99'	84.95'	69.85'
B	90°00'00"	43.00'	67.54'	43.00'
C	38°30'11"	200.00'	134.40'	69.85'
D	38°30'11"	205.00'	137.76'	71.59'

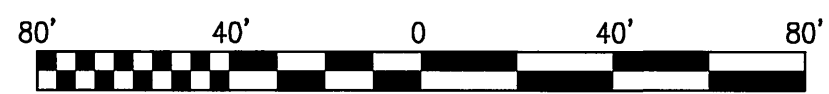
**CONSTRUCTION NOTES**

- CONSTRUCT MANHOLE PER CITY STD. 500
- CONSTRUCT 8" PVC SEWER MAIN WITH PIPE BEDDING PER CITY STD. 452 CASE II
- CONSTRUCT 4" PVC SEWER LATERAL PER CITY STD. 562. CONSTRUCT CLEANOUT PER CITY STD. 560 AT PROPERTY LINE
- CONSTRUCT 4" FORCE MAIN CONNECTION PER DETAILS SHEET 1
- CONSTRUCT 4" WET WELL AND PUMP STATION PER PLANS BY OTHERS
- CONSTRUCT 4" X 4" 45' ELBOW
- CONSTRUCT 4" X 4" 22.5' ELBOW
- CONSTRUCT 4" X 4" 11.25' ELBOW
- CONSTRUCT 4" D.I.P. (CLASS 350) WITH PIPE RESTRAINTS AND ADAPTER FLANGES ON ALL PIPE AND FITTING JOINTS, MAINTAIN MIN. COVER OF 4.0', AND WITH SAND BEDDING (SEE GENERAL NOTE 15)
- CONSTRUCT CLEANOUT VAULT PER DETAILS SHEET 1

MATCH LEFT



**GARDEN HILLS WAY**



**LINE "B"**

\* AS-BUILT 11-09-03 LfH  
 BUSINESS TAX CERTIFICATE NO. 01244 EXP. DATE 12-21-03 PW03-0392

R:\0998\Land Development\dwg\28728-2\...  
 JOB FOLDER  
 JOB NAME  
 DATE PRINTED

CITY OF RIVERSIDE  
 WATER SYSTEM  
 VOID ONE YEAR FROM THIS DATE  
 APPROVED BY: [Signature]  
 DATE: 12/9/07

Underground Service Alert  
 Call: TOLL FREE  
 1-800-227-2600  
 TWO WORKING DAYS BEFORE YOU DIG

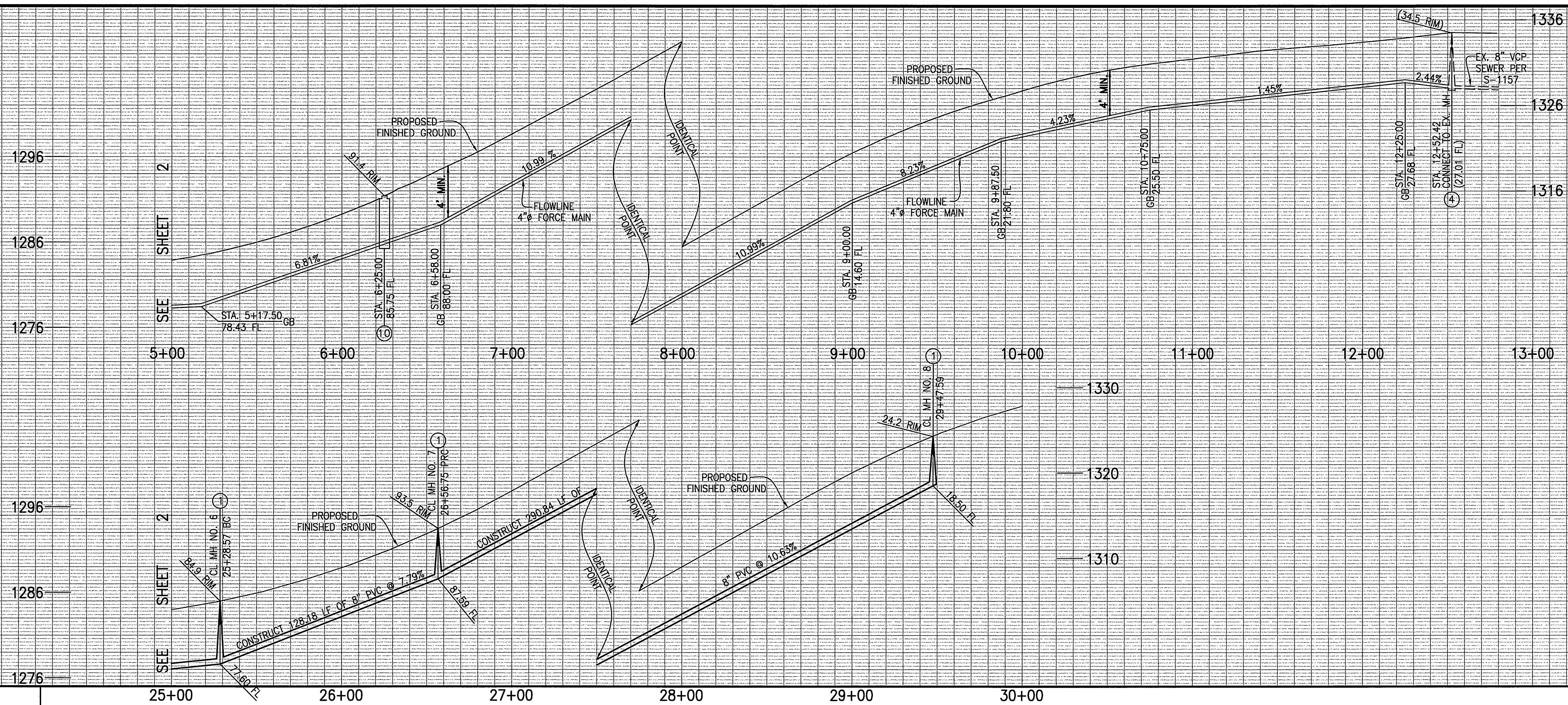
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 DATE: 12/10/03

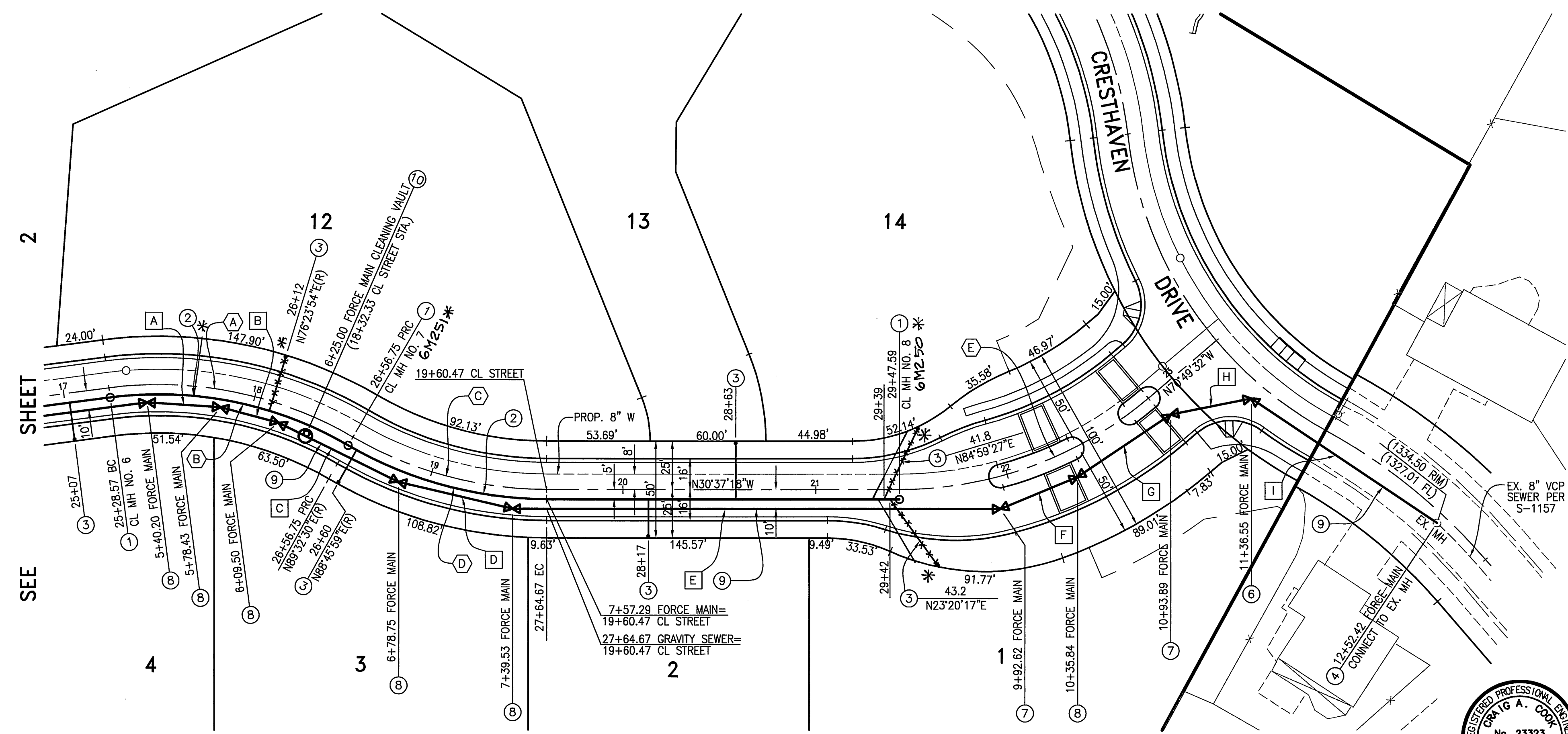
GABEL, COOK & BECKLUND  
 CIVIL ENGINEERS LAND SURVEYORS  
 125 West La Cadena Drive, Suite A, Riverside, CA 92501  
 Telephone (909) 788-8082 Fax (909) 788-5184  
 APPROVED BY: [Signature]  
 DATE: 5 Dec 2003

CITY OF RIVERSIDE  
 SEWER IMPROVEMENTS  
 PLAN AND PROFILE  
 TRACT 28728-2  
 GARDEN HILLS WAY

S-1818  
 SHEET 2 OF 3  
 FILE NO.



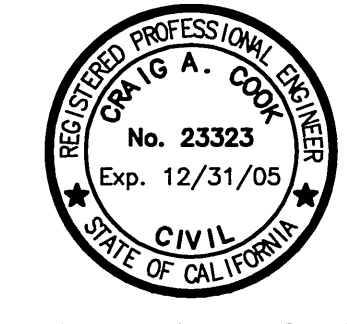
PROFILE SCALE  
 VERT: 1 in = 8 ft  
 HORZ: 1 in = 40 ft



CURVE DATA			
Station	R	L	T
A	37'39"41"	200.00'	131.46'
B	37'39"41"	195.00'	128.18'
C	30'09"48"	200.00'	105.29'
D	30'09"48"	205.00'	107.92'
E	40'12"14"	200.00'	140.34'

LINE TABLE	
Station	BEARING
A	38.23 N26°52'12"W
B	31.07 N15°37'12"W
C	69.25 N04°22'12"W
D	60.78 S17°29'45"E
E	253.09 N30°37'18"W
F	43.22 N53°07'18"W
G	58.05 N64°22'18"W
H	42.66 N41°52'18"W
I	115.87 S03°07'42"W

- CONSTRUCTION NOTES**
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  - CONSTRUCT CLEANOUT VAULT PER DETAILS SHEET 1



**LINE "B"**  
**GARDEN HILLS WAY**

CITY OF RIVERSIDE  
 WATER SYSTEM  
 VOID ONE YEAR FROM THIS DATE  
 APPROVED BY: [Signature]  
 DATE: 12/9/03

Underground Service Alert  
 Call: TOLL FREE  
 1-800-227-2600  
 TWO WORKING DAYS BEFORE YOU DIG

MARK REVISIONS APPR. DATE  
 DESIGNED BY: WDC DRAWN BY: DPD CHECKED BY: WDC

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 DATE: 12/10/03

GABEL, COOK & BECKLUND  
 CIVIL ENGINEERS LAND SURVEYORS  
 125 West La Cadena Drive, Suite A, Riverside, CA 92501  
 Telephone (909) 788-8082 Facsimile (909) 788-5184  
 APPROVED BY: [Signature]  
 DATE: 5 Dec 2003

CITY OF RIVERSIDE  
 SEWER IMPROVEMENTS  
 PLAN AND PROFILE  
 TRACT 28728-2  
 GARDEN HILLS WAY  
 BUSINESS TAX CERTIFICATE NO. 01244 EXP. DATE 12-21-03 PW03-0392  
 \*AS-BUILT 11-09-05 Lft  
 S-1818  
 SHEET 3 OF 3  
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 8'  
 FILE NO. INDEXED 12-12-03 Lft

N:\0998\Land Development\dwg\28728-2\SEW-SFT3.dwg  
 Thursday, 04 December 2003 06:33pm  
 JOB FOLDER  
 DRAWING NAME  
 DATE PRINTED