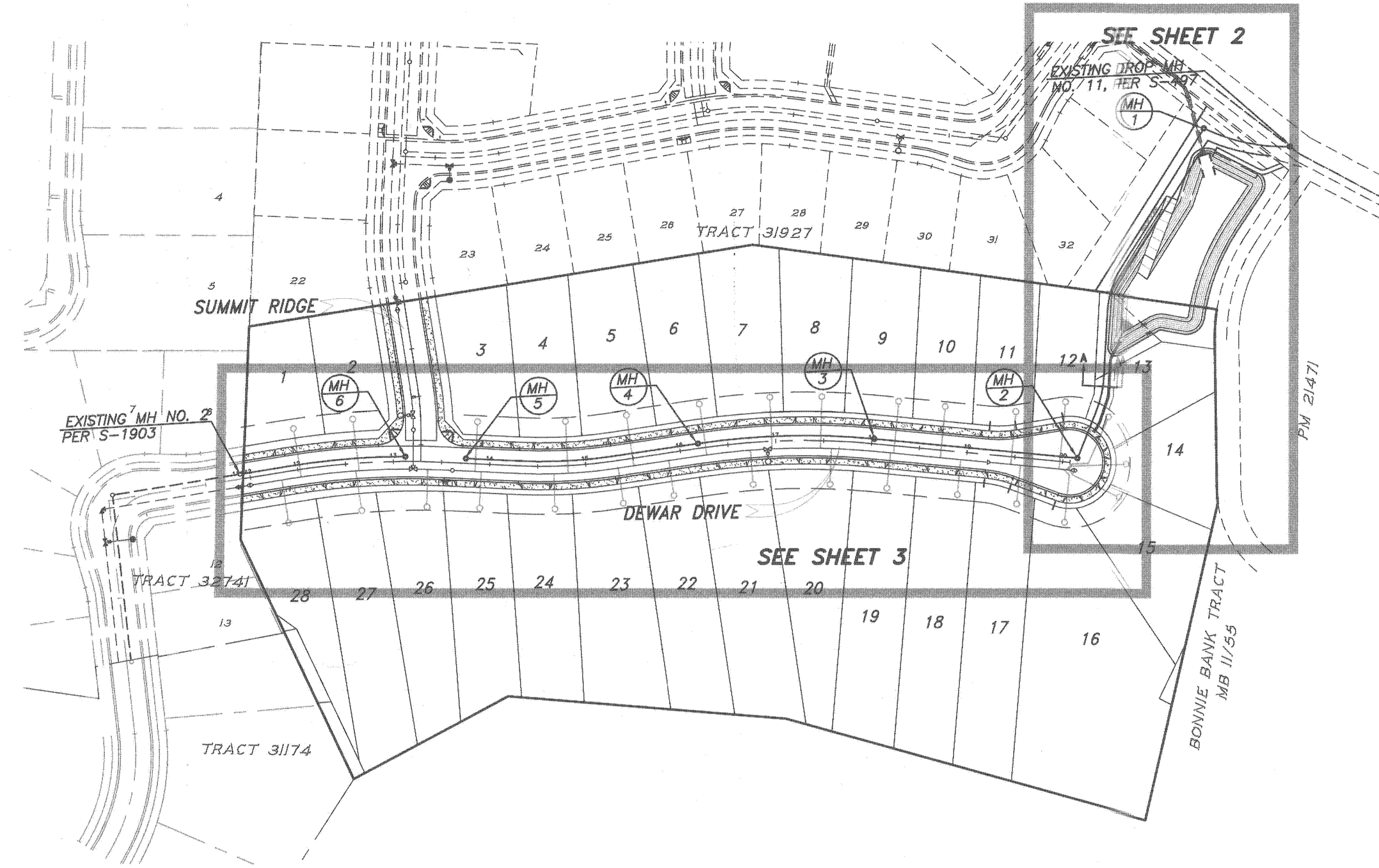


SEWER IMPROVEMENT PLANS FOR: TRACT No. 33402

GENERAL NOTES

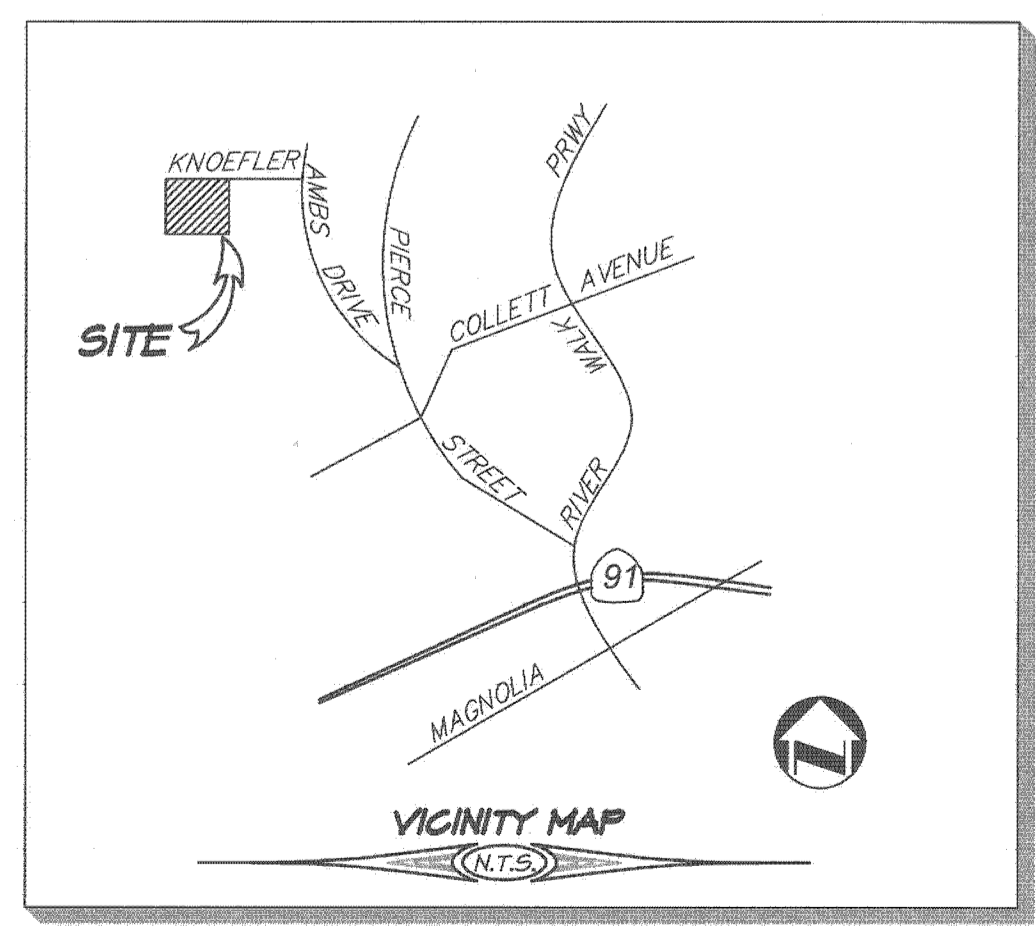
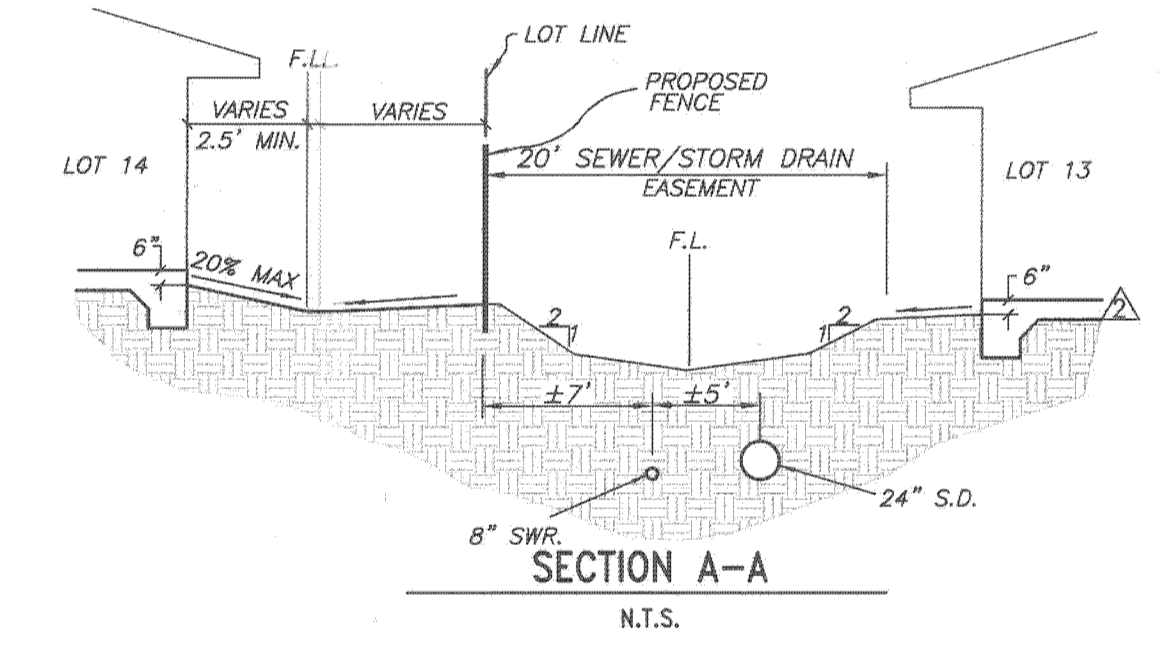
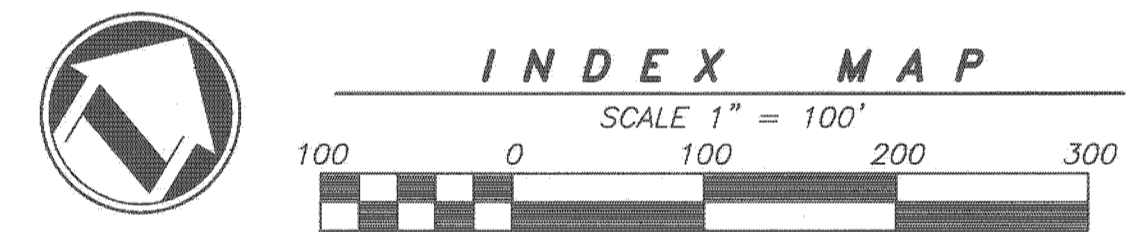
1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
2. IT SHALL BE THE RESPONSIBILITY 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.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. 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.
5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
6. 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.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, 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.
9. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
10. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
11. 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.
12. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
13. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.



CONSTRUCTION NOTES AND QUANTITY ESTIMATE

THE QUANTITIES SHOWN BELOW ARE FOR BONDING INFORMATION ONLY. THE CONTRACTOR IS TO CONSTRUCT PROJECT PER THESE PLANS AND SUBMIT CONSTRUCTION BID BASED ON THEIR OWN QUANTITY "TAKE-OFF".

1	CONSTRUCT 8" V.C.P. SEWER WITH CASE III BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452	1,284 LF
2	CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500	6 EA
3	CONSTRUCT 4" V.C.P. SEWER LATERAL WITH C.O. AT R/W PER CITY OF RIVERSIDE STD. DWG. 562A	890 LF / 28 EA



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

CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/06
PLANS PREPARED BY:
adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 990-0241 • FAX: (951) 996-0599
DATE: 4/10/07
UNDER THE SUPERVISION OF: [Signature]
P.E. #53380 6/30/07

BENCHMARK: E2-L3
P.K. NAIL AND CITY ENGINEER TAG ON WESTERLY TOP OF CURB, PIERCE STREET, 30 FEET NORTHERLY OF THE CENTERLINE OF RALEY DRIVE
DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV 734.222

RIVERSIDE PUBLIC UTILITIES - WATER

APPROVED: [Signature] DATE: 4/25/07

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: TIM DRAWN BY: TIM CHECKED BY: C-

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY	APPROVED BY
PRINCIPAL ENGINEER	4/25/07	[Signature]	[Signature]
CITY ENGINEER			

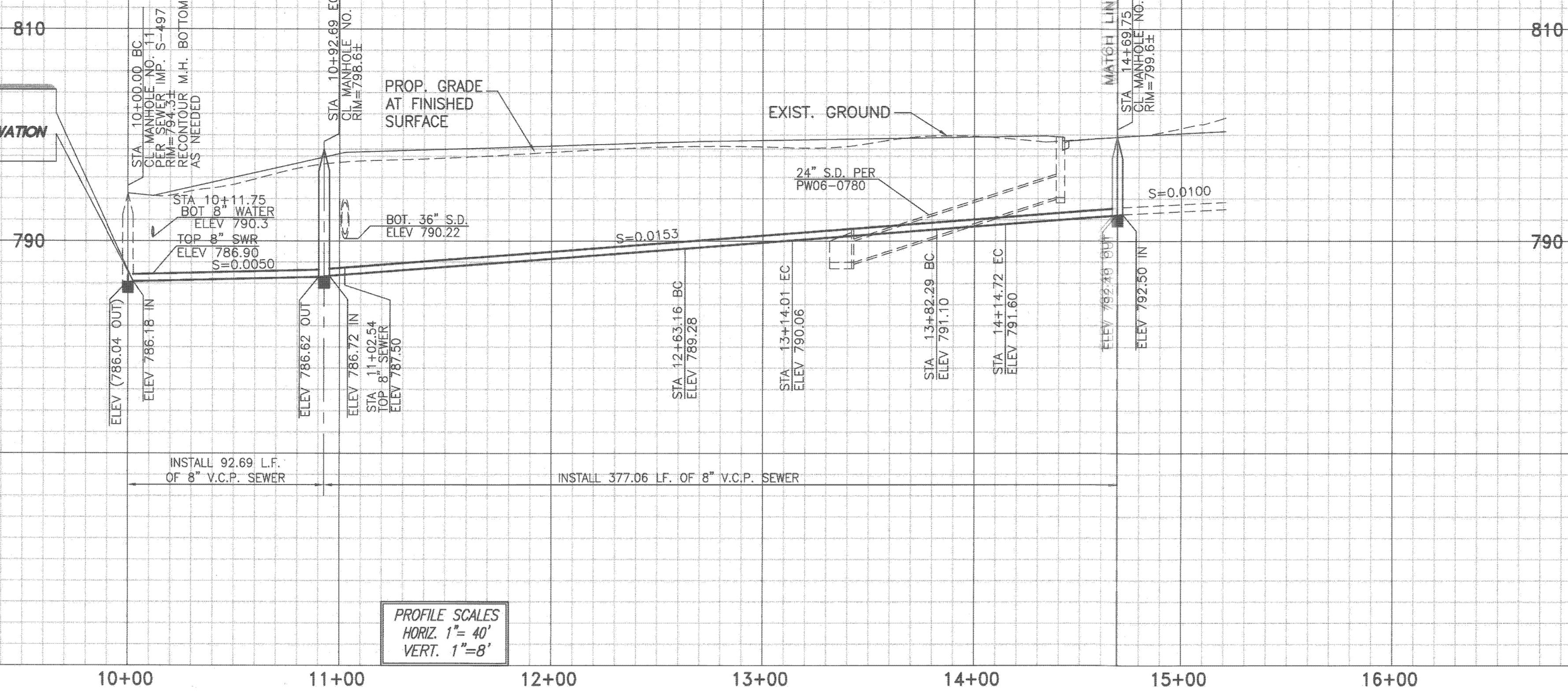
DATE: 5/3/07

LEGEND

CL CENTERLINE
R/W RIGHT OF WAY
MH MANHOLE

PW06-1007	
ACCOUNT NO.	
S-2009	
SHEET 1 OF 3	
A.P.N. 141-230-002	J.N. 6978
HORRIZ. SCALE:	VERT. SCALE:

CAUTION!
CONTRACTOR TO VERIFY
EXACT LOCATION AND ELEVATION
PRIOR TO CONSTRUCTION



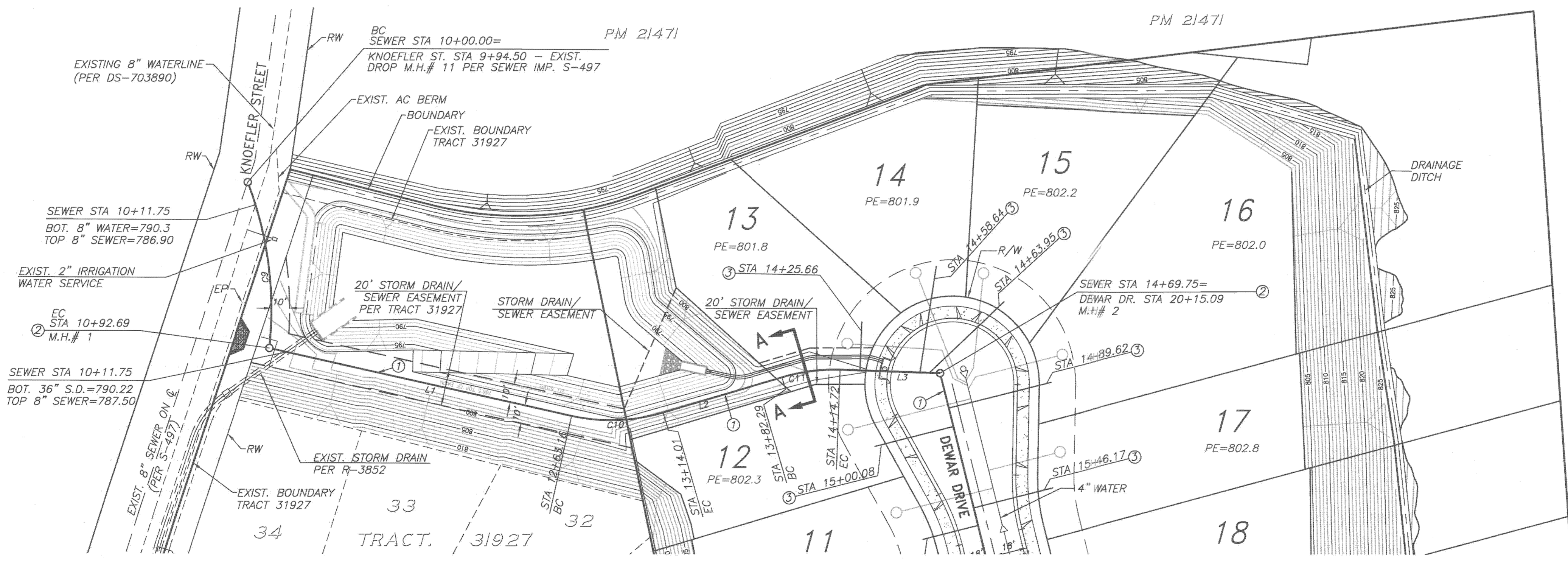
PROFILE SCALES
HORIZ. 1"=40'
VERT. 1"=8'

LINE TABLE

LINE	LENGTH	BEARING
L1	170.48	S04°08'28"W
L2	68.28	S24°59'27"E
L3	55.03	S06°24'33"E

CURVE TABLE

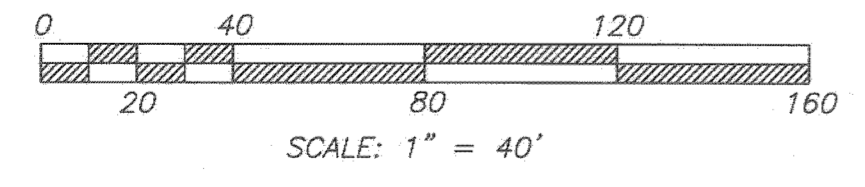
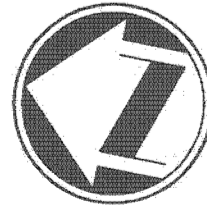
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C9	92.69	195.00	47.24	27°14'04"
C10	50.84	100.00	25.98	29°07'55"
C11	32.43	100.00	16.36	18°34'55"



SEWER EASEMENT

CONSTRUCTION NOTES

- CONSTRUCT 8" V.C.P. SEWER WITH CASE III BEDDING PER CITY OF RIVERSIDE STD. DWG. NO. 452
- CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
- CONSTRUCT 4" V.C.P. SEWER LATERAL WITH C.O. AT R/W PER CITY OF RIVERSIDE STD. DWG. 562A



RIVERSIDE PUBLIC UTILITIES - WATER
APPROVED: *[Signature]* DATE: 4/25/07

Underground Service Alert
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1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

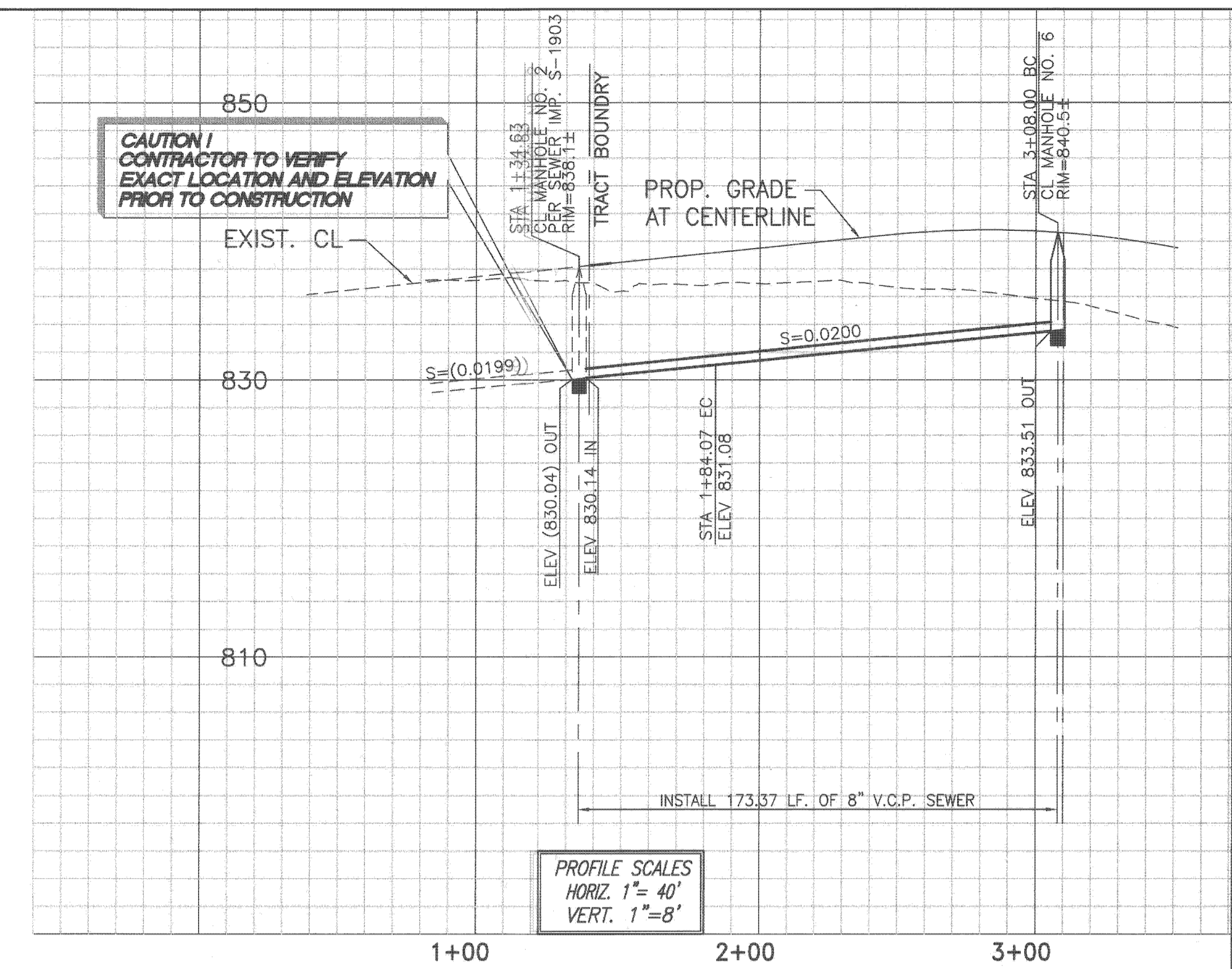
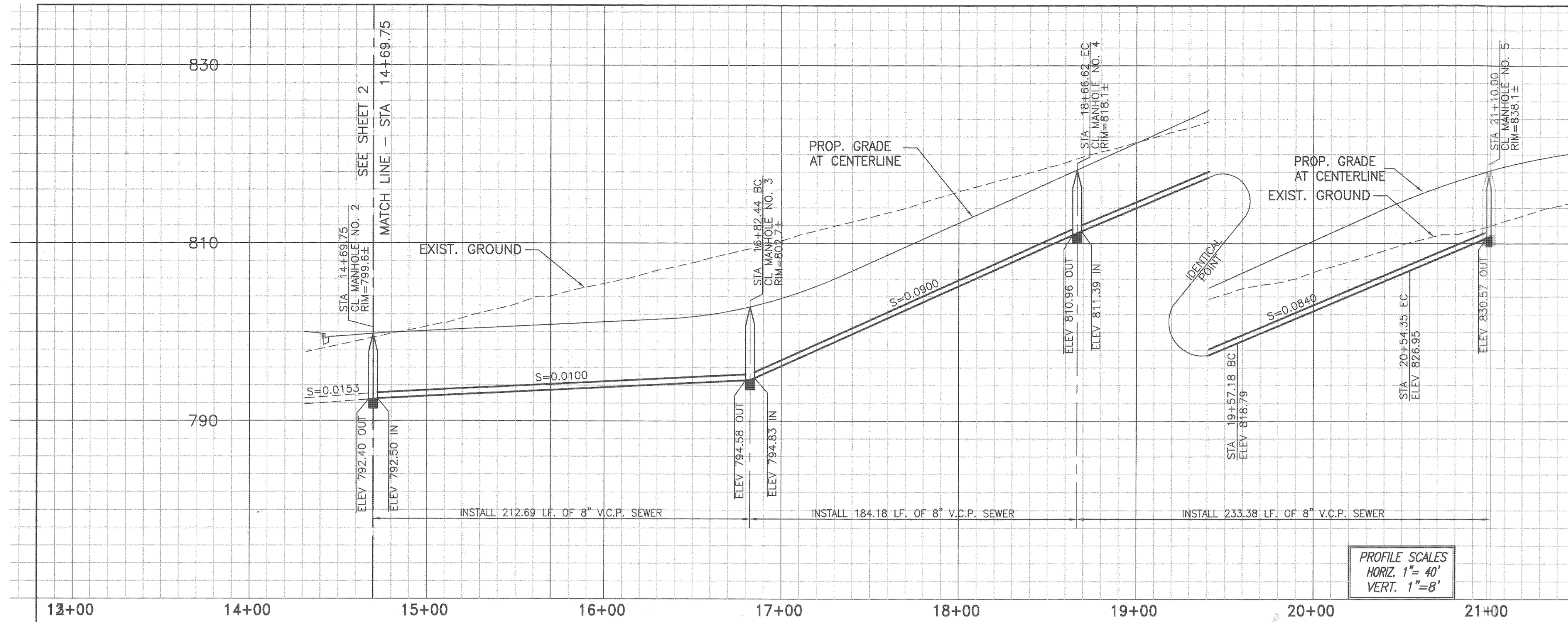
CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP. 1/1/08
PLANS PREPARED BY:
adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 938-0241 • FAX: (951) 938-0599
DATE: 4/20/07
UNDER THE SUPERVISION OF: *[Signature]* R.S.# 53390 6/30/07

BENCHMARK: E2-L3
P.K. NAIL AND CITY ENGINEER TAG ON WESTERLY TOP OF CURB, PIERCE STREET, 50 FEET NORTHERLY OF THE CENTERLINE OF RALEY DRIVE
DATUM: 1929 ADJUSTMENT YEAR: 1971
ELEV 734.222

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]* DATE: 5/3/07
PRINCIPAL ENGINEER
CITY ENGINEER

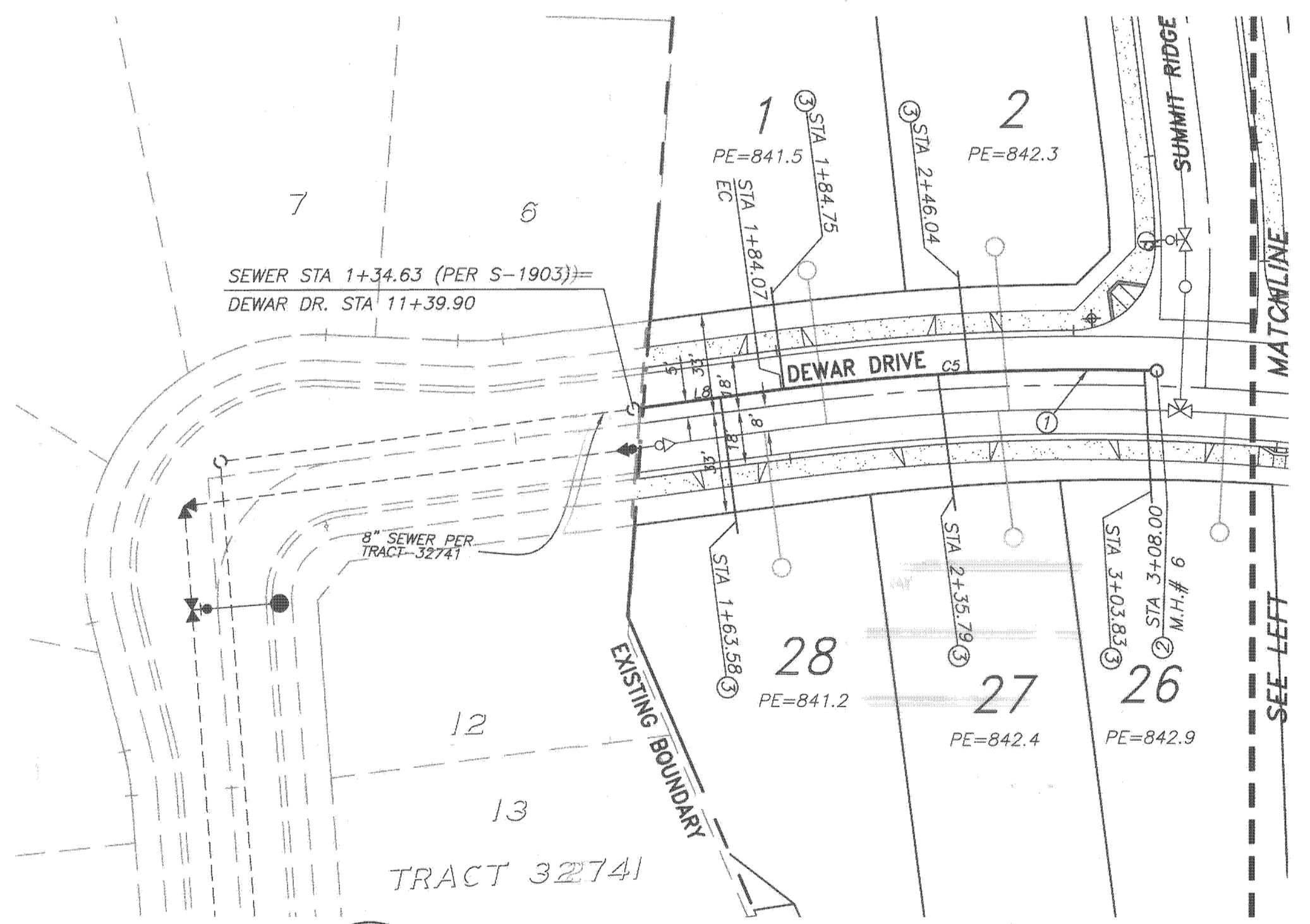
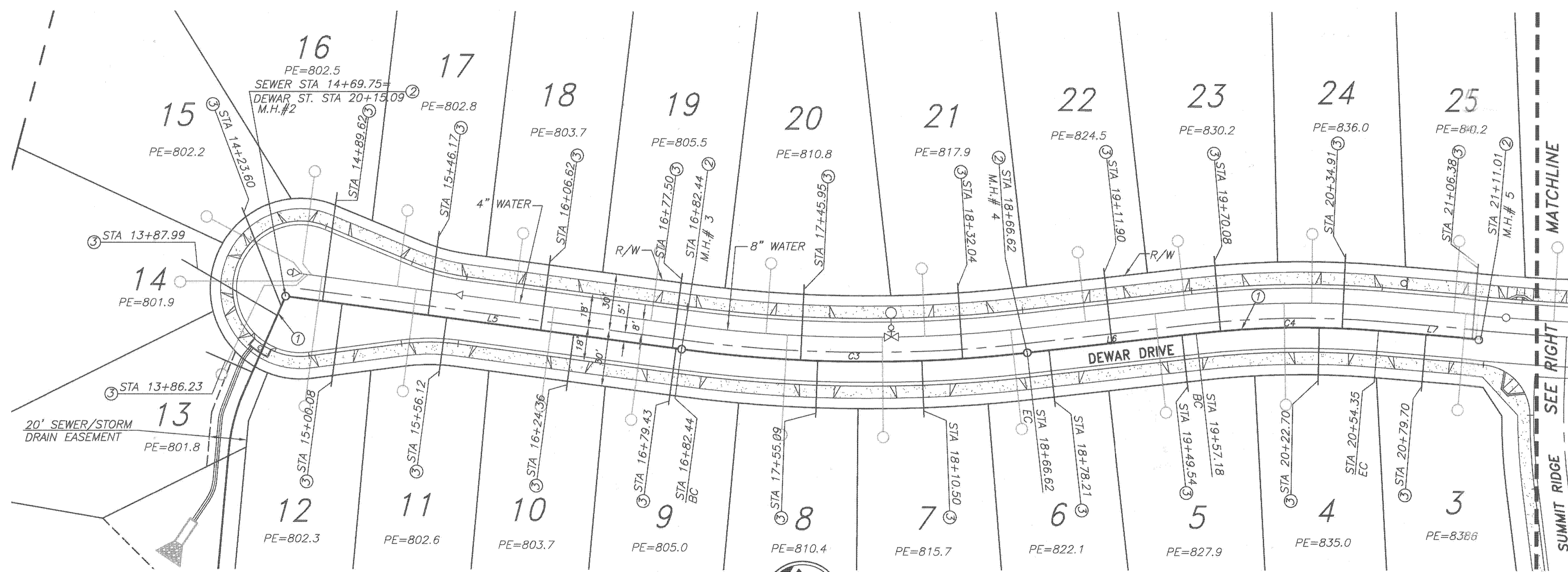
SEWER IMPROVEMENT PLAN
TRACT 33402
A.P.N. 141-230-002
HORIZ. SCALE: VERT. SCALE:
PW06-1007 ACCOUNT NO.
S-2009 SHEET 2 OF 3
J.N. 6978

INDEXED B-23-07



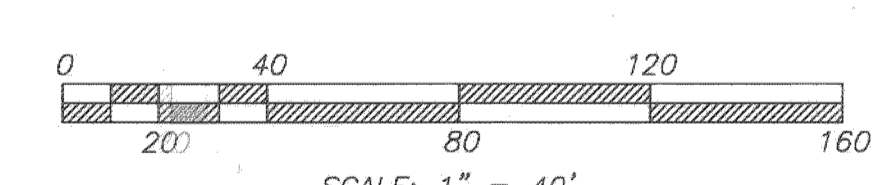
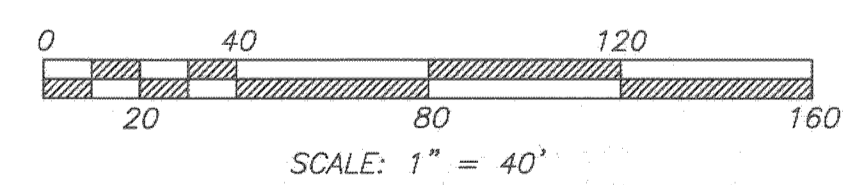
PROFILE SCALES
HORIZ. 1"=40'
VERT. 1"=8'

PROFILE SCALES
HORIZ. 1"=40'
VERT. 1"=8'



CURVE	LENGTH	RADIUS	TANGENT	DELTA
C3	184.18	755.00	92.55	13°58'38"
C4	97.16	495.00	48.74	11°14'48"
C5	124.12	780.00	62.19	9°07'04"

LINE	LENGTH	BEARING
L5	212.69	N67°29'36"E
L6	90.56	N53°30'58"E
L7	56.66	N64°45'46"E
L8	49.24	N52°35'21"E



RIVERSIDE PUBLIC UTILITIES - WATER
 [Signature] 4/25/07
 APPROVED DATE

- CONSTRUCTION NOTES**
- CONSTRUCT 8" V.C.P. SEWER WITH CASE III BEDDING PER CITY STD. DWD. NO. 452
 - CONSTRUCT MANHOLE PER C/R/V. STD. DWG. 500
 - CONSTRUCT 4" V.C.P. SEWER LATERAL WITH C.O. AT R/W/FFR C/R/V. STD. DWG. 562A

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adkan ENGINEERS
 CIVIL ENGINEERING • SURVEYING • PLANNING
 6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
 TEL: (951) 508-0241 FAX: (951) 508-0599
 DATE: 4/11/07 UNDER THE SUPERVISION OF: [Signature] P.C.E. 53390 6/30/07

BENCHMARK: E2-L3
 P.K. NAIL AND CITY ENGINEER TAG ON WESTERLY TOP OF CURB, PIERCE STREET, 50 FEET NORTHERLY OF THE CENTERLINE OF RALEY DRIVE
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CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 5/1/07
 PRINCIPAL ENGINEER CITY ENGINEER

SEWER IMPROVEMENT PLAN TRACT 33402
 A.P.N. 141-230-002
 HORIZ. SCALE: VERT. SCALE:

PW06-1007
 ACCOUNT NO.
S-2009
 SHEET 3 OF 3
 J.N. 6978

INDEXED 8-23-07