

CITY OF RIVERSIDE GENERAL NOTES

- 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.
- 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, ITS 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 AND RCTD.
- 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 # 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.
- 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 WHERE 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.
- PIPE JOINTS FOR VITRIFIED CLAY PIPE SHALL BE TYPE "G" AS SPECIFIED IN SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS PROJECTS. IF PLASTIC PIPE IS ALLOWED AS AN ALTERNATIVE, ALL PIPE JOINTS SHALL BE GASKETED. CEMENTED JOINTS SHALL NOT BE ALLOWED.
- THE DEVELOPER AND/OR CONTRACTOR IS RESPONSIBLE FOR PERFORMING A VIDEO INSPECTION OF ALL NEW SEWER AND STORM DRAIN FACILITIES TO BE PUBLICLY OWNED AND MAINTAINED PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE VIDEO INSPECTION MUST BE PERFORMED IN THE PRESENCE OF THE PUBLIC WORKS INSPECTOR. A RECORDING OF THE VIDEO INSPECTION MUST BE SUBMITTED TO THE CITY FOR REVIEW AND ACCEPTANCE.
- ALL TRAFFIC SIGNS, PAVEMENT MARKERS, AND PAVEMENT STRIPES OBLITERATED DUE TO THE CONSTRUCTION OF THIS PROJECT SHALL BE RESTORED TO THE SATISFACTION OF THE COUNTY OF RIVERSIDE.

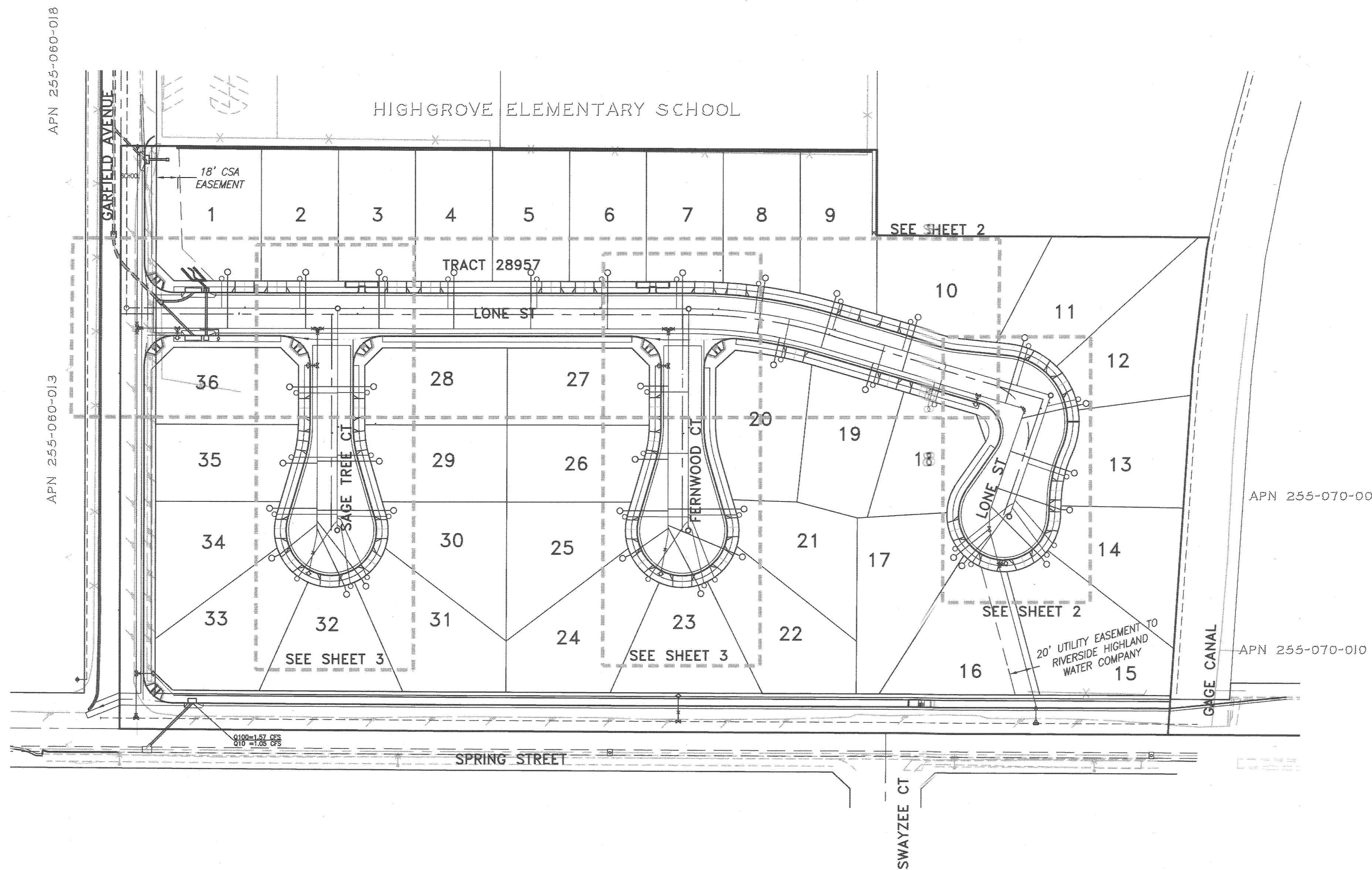
ON-SITE SEWER IMPROVEMENT PLANS FOR:

TRACT 28957

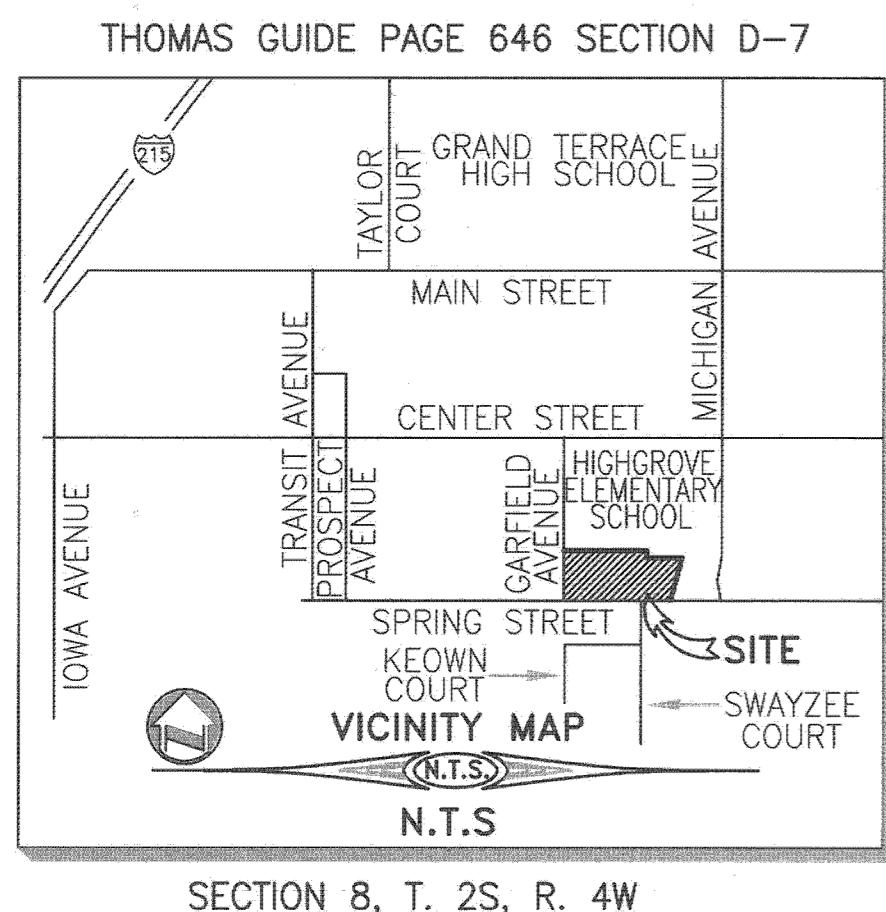
RIVERSIDE, CA.

RIVERSIDE COUNTY GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (951) 955-6885 FOR PARCEL MAPS AND TRACT MAPS.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, STORM DRAINS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE COUNTY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
- ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS SHALL BE TAKEN BY THE COUNTY AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.
- ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING. FOG SEAL AND PAINT BINDER SHALL BE APPLIED AT A RATE OF 0.05 AND 0.03 GALLON PER SQUARE YARD RESPECTIVELY. ASPHALTIC EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
- AS DETERMINED BY THE TRANSPORTATION DIRECTOR, THE DEVELOPER IS RESPONSIBLE AS A MINIMUM FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THOSE PRIVATE FACILITIES IS IMPLIED OR INTENDED BY THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
- A CONSTRUCTION PROJECT DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNERS/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB), PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
 - PRIOR TO ANY CONSTRUCTION, THE DEVELOPER SHALL PROVIDE THE COUNTY A COPY OF THE NOI WITH A VALID WDD NUMBER.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPPING PLAN WITHIN THE PROJECT AREAS, OR ON ROADWAYS ADJACENT TO THE PROJECT BOUNDARIES, UPON THE REQUEST OF THE DIRECTOR OF TRANSPORTATION OR HIS DESIGNEE TO IMPROVE TRAFFIC SAFETY ON THE ROADS UNDER THE JURISDICTION OF THE DEVELOPER.
- EXISTING STORM DRAIN PIPES/CULVERTS (WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN THE PROJECT VICINITY) MUST BE REPAIRED, AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE TRANSPORTATION DEPARTMENT.



REC'D: CC
 PLAN CHECK OVERSIGHT ENGINEER: Alan Threlk
 REGISTRATION NUMBER: 45702
 DATE SIGNED: 1-25-16
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.



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".

- CONSTRUCT 8" V.C.P. SEWER WITH CASE II* BEDDING PER CITY STD. DWG. NO. 452 1,274 LF
 *GRANULAR MATERIAL SHALL NOT BE SAND OR NATIVE MATERIAL.
- CONSTRUCT 4" MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500 6 EA
- CONSTRUCT SEWER 4" LATERAL PER CITY OF RIVERSIDE STD. DWG. 562 1,324 LF

LEGEND

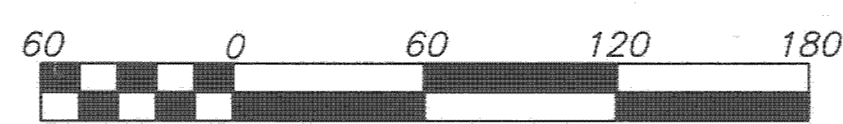
- CL CENTERLINE
- R/W RIGHT OF WAY
- MH MANHOLE
- INV INVERT
- STA STATION
- SWR SEWER
- BC BEGINNING OF CURVE
- EC END OF CURVE
- STD STANDARD
- DWG DRAWING
- L LENGTH ON CURVE
- NO NUMBER

MONUMENT NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.

RIVERSIDE COUNTY NOTICE
 THIS PROJECT IS BONDED AND TO BE INSPECTED BY CONSTRUCTION INSPECTION DIVISION.

CONTRACTORS NOTE
 SEWER LINE TO BE CONSTRUCTED 5' OFF CENTERLINE PER CITY OF RIVERSIDE STDS.



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/16

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

PLANS PREPARED BY:
adkan ENGINEERS
 Civil Engineering - Surveying - Planning
 6879 Airport Drive, Riverside, CA 92504
 Tel: (951) 688-9244; Fax: (951) 688-0599

BENCHMARK:
 18-42: CHISEL SQUARE AT THE SOUTHEAST TOP OF A CATCH BASIN ON THE NORTHERLY SIDE OF CENTER STREET EAST OF TRANSIT AVENUE.

ELEVATION:
 955.205 (NAVD 88)

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

SEWER TO BE MAINT. BY THE CITY OF RIVERSIDE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 1/25/16
 ENGINEERING MANAGER
 CAPITAL PROJECTS

APPROVED BY: [Signature] DATE: 1/25/16
 PW DIRECTOR/CITY ENGINEER

SEWER IMPROVEMENT PLANS
ON SITE SEWER COVER SHEET
 TR 28957

ACCOUNT NO.: IP 050057 PW14-0090
 SHEET 1 OF 3

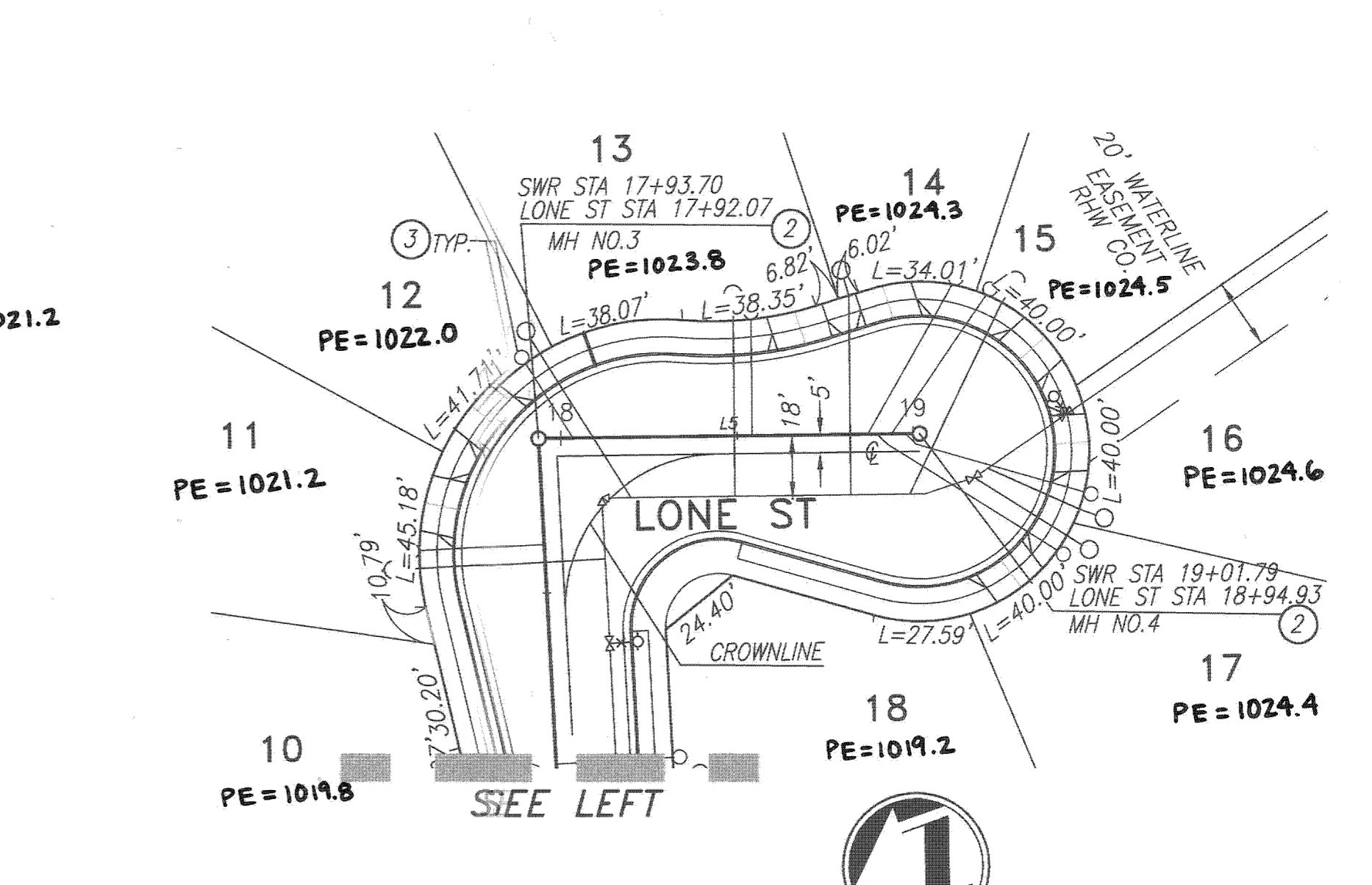
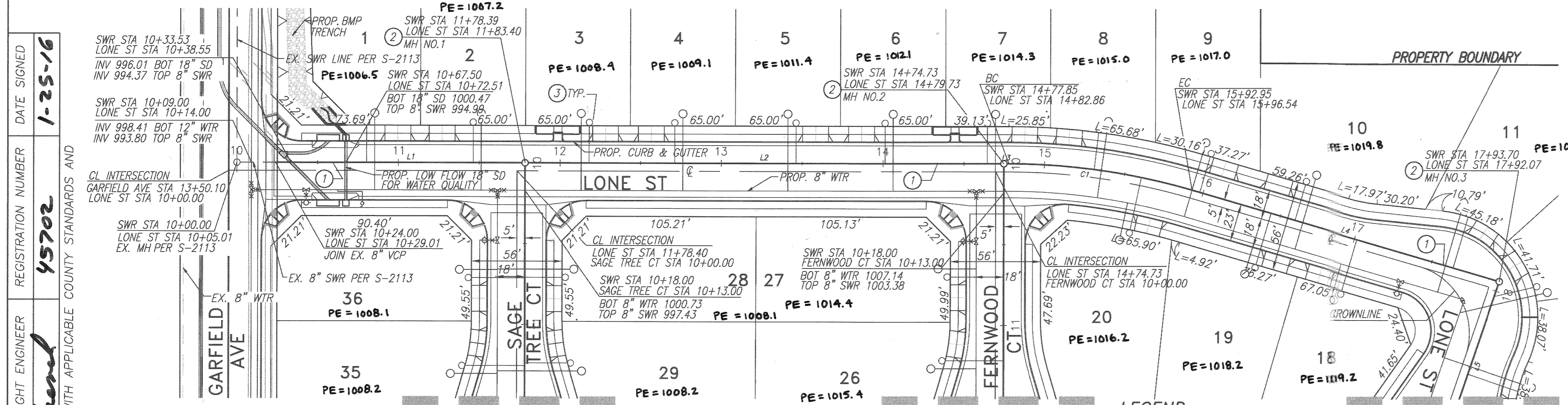
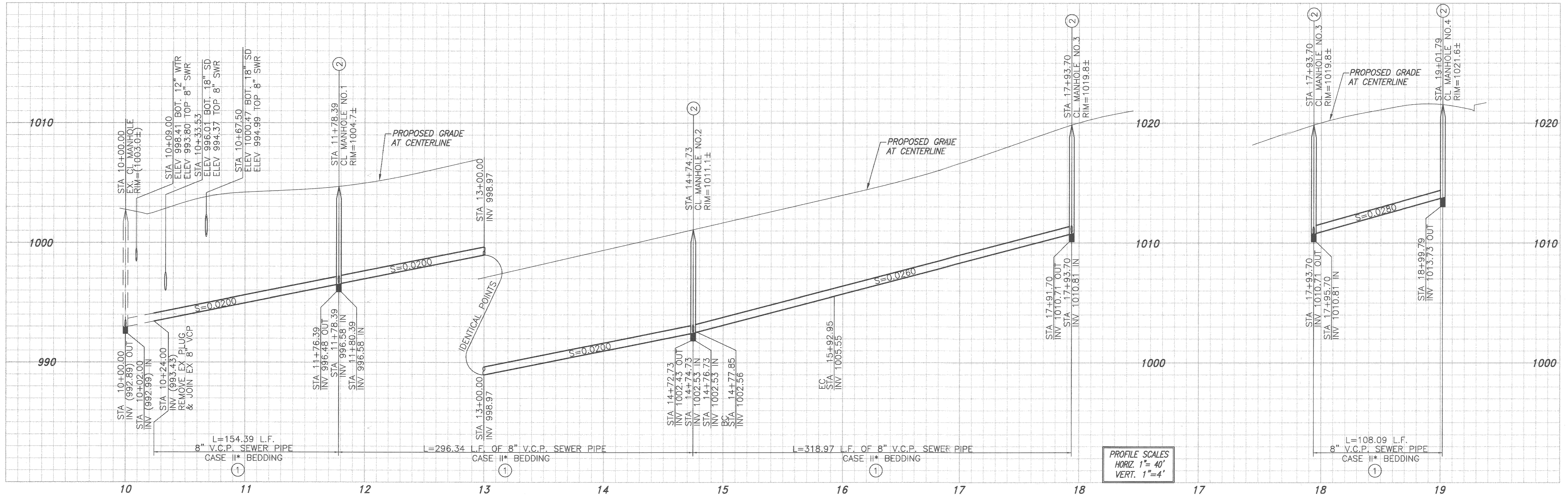
DATE: 1/25/16

RIVERSIDE PUBLIC UTILITIES - WATER

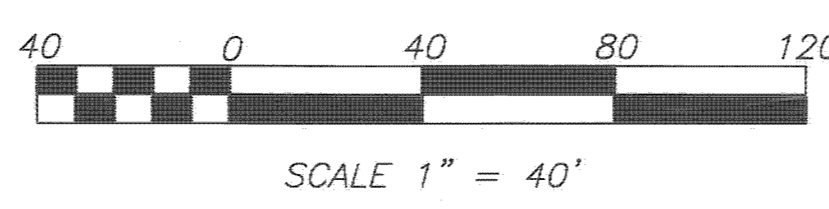
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

REVIEWED FOR CONFLICTS BY: [Signature] DATE: 1/25/16

REGISTERED PROFESSIONAL ENGINEER
 CHANESSA J.A. LISO
 NO. 53390
 EXP. 6-30-17
 CIVIL
 STATE OF CALIFORNIA



LINE TABLE			CURVE TABLE			
LINE	LENGTH	BEARING	CURVE	LENGTH	RADIUS	DELTA
L1	154.39'	N89°58'12"W	C1	115.10'	405.00'	16.2833
L2	296.34'	N89°58'12"W				
L3	3.12'	N89°58'12"W				
L4	200.75'	N73°41'12"W				
L5	108.09'	N18°50'15"E				



- CONSTRUCTION NOTES:**
- CONSTRUCT 8" V.C.P. SEWER WITH CASE II* BEDDING PER CITY STD. DWG. NO. 452 *GRANULAR MATERIAL SHALL NOT BE SAND OR NATIVE MATERIAL.
 - CONSTRUCT 4' MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
 - CONSTRUCT SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. 562

RIVERSIDE COUNTY NOTE
THIS PROJECT IS BONDED AND TO BE INSPECTED BY CONSTRUCTION INSPECTION DIVISION.

CONTRACTORS NOTE
SEWER LINE TO BE CONSTRUCTED 5' OFF CENTERLINE PER CITY OF RIVERSIDE STD.

RIVERSIDE PUBLIC UTILITIES - WATER
 APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 53380
 EXP. 6-30-17

adkan ENGINEERS
 Civil Engineering - Surveying - Planning
 6879 Airport Drive, Riverside, CA 92504
 Tel: (951) 688-2244 • Fax: (951) 688-0599
 Under the Supervision of: [Signature]
 CIVIL ENGINEER, R.C.E. 53390 Exp. 08.30.17 Date: 1/1/16

BENCHMARK:
 1/4" x 1/4" CHISELED SQUARE AT THE SOUTHEAST TOP OF A CATCH BASIN ON THE NORTHERLY SIDE OF CENTER STREET EAST OF TRANSIT AVENUE.

ELEVATION:
 955.205 (NAVD 88)

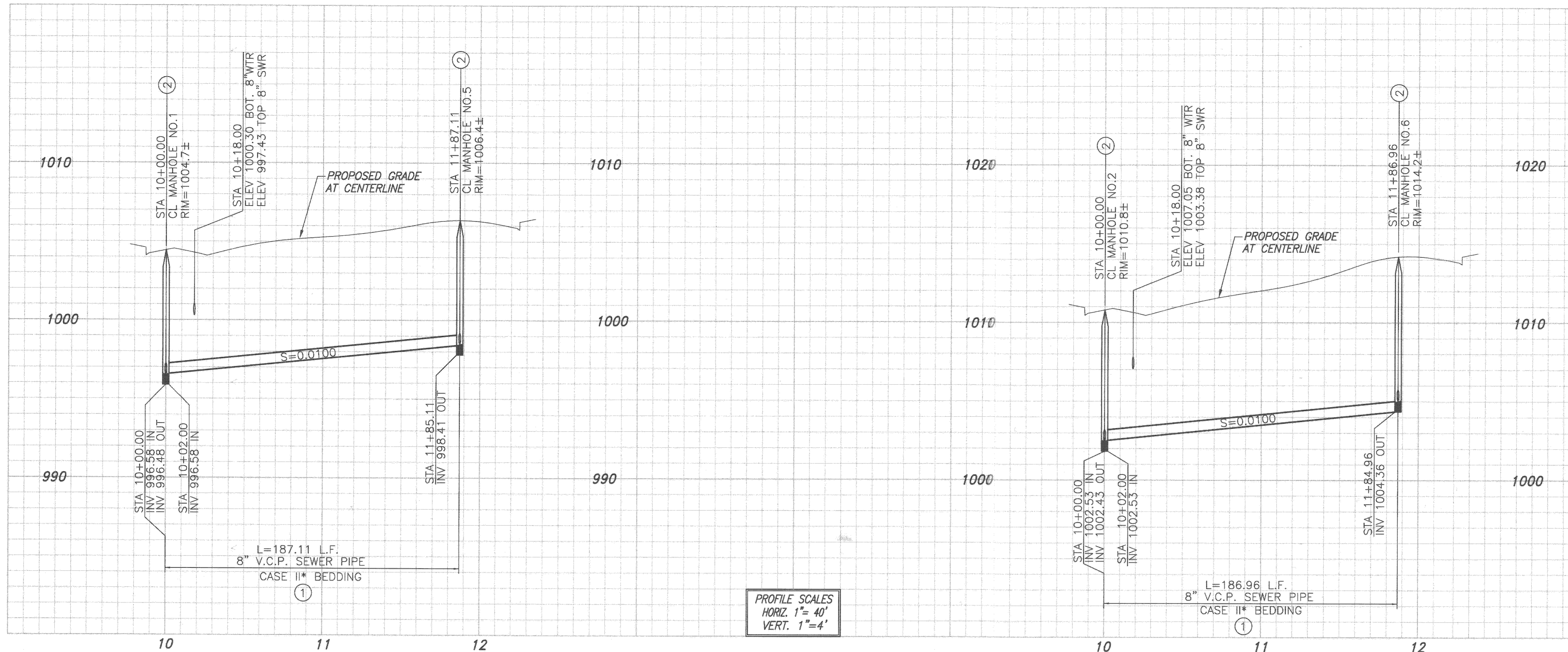
MARK	BY	DATE	REVISIONS	MARK	BY	DATE

DESIGNED BY: LH DRAWN BY: LH CHECKED BY: C-

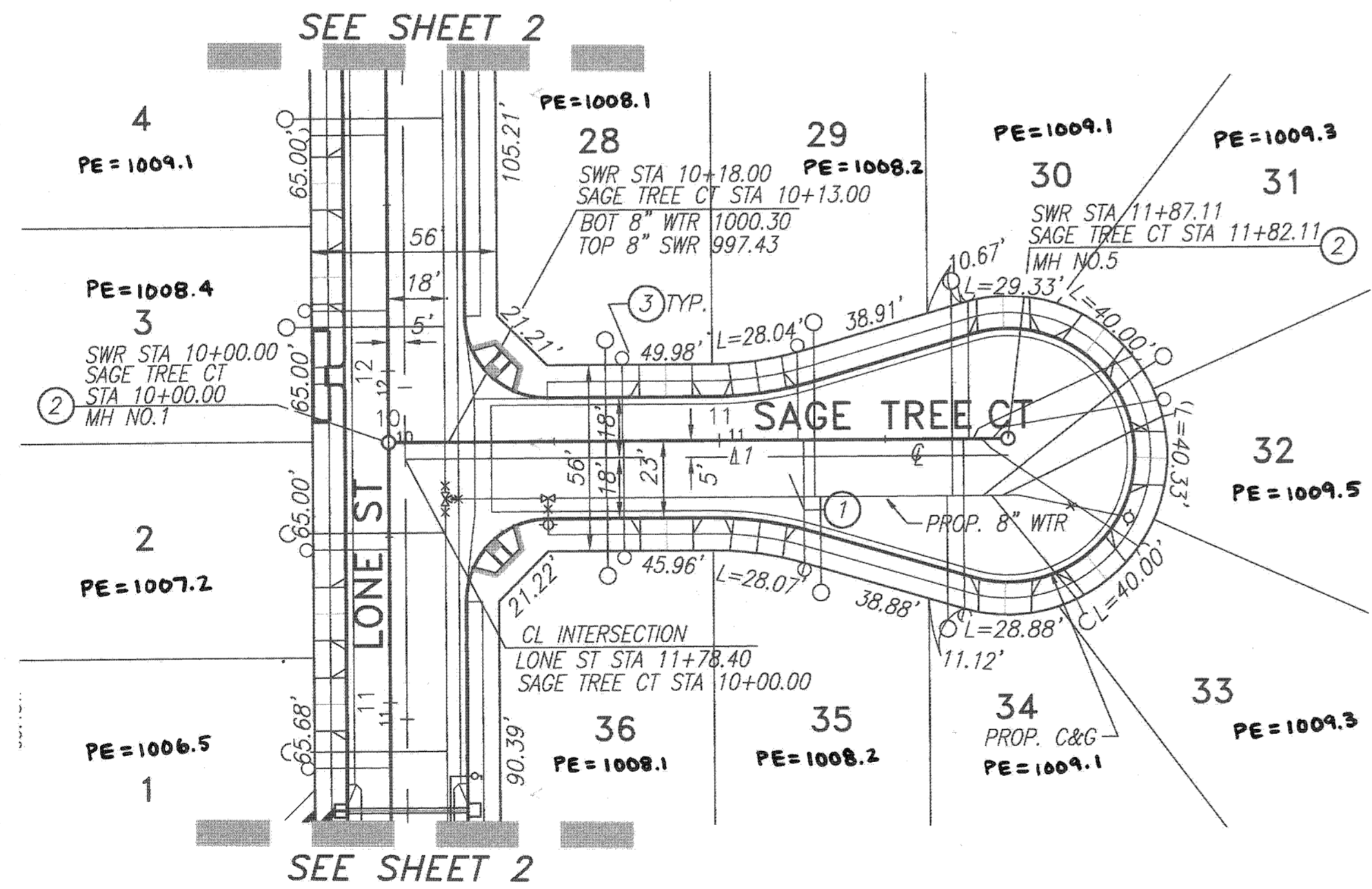
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 1/16/16
 ENGINEERING MANAGER
 CAPITAL PROJECTS
 SEWER DEPARTMENT

SEWER IMPROVEMENT PLANS ON SITE SEWER LONE ST TR 28957
 ACCOUNT NO. IP 050057 PW14-0090
 S-2129 SHEET 2 OF 3
 J.N. 8430
 HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

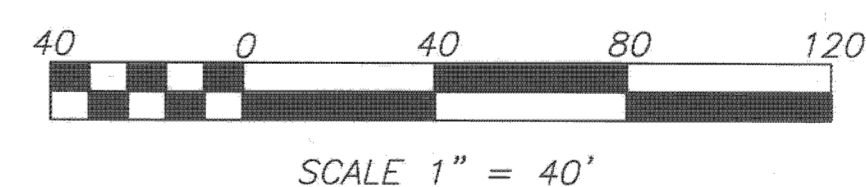
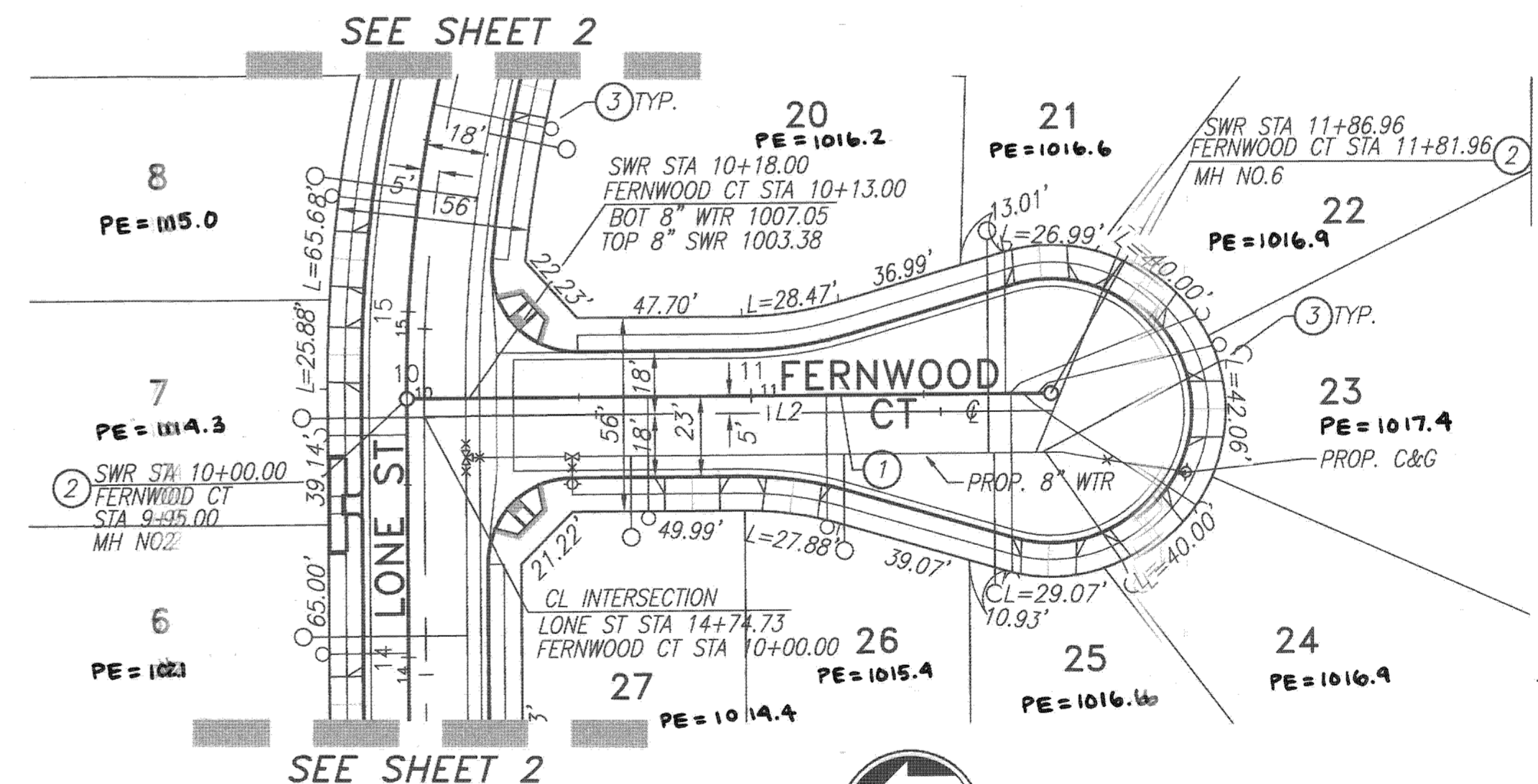
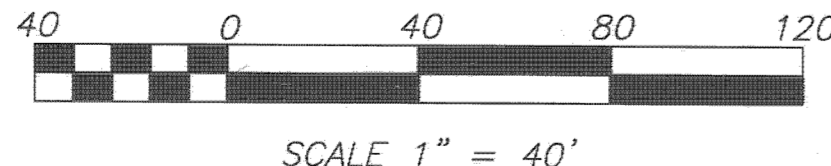
PLOT DATE: 1/28/16



PROFILE SCALES
HORIZ. 1" = 40'
VERT. 1" = 4'



LINE TABLE		
LINE	LENGTH	BEARING
L1	187.11'	N0°01'48"E
L2	186.96'	N0°01'48"E



CONSTRUCTION NOTES

- CONSTRUCT 8" V.C.P. SEWER WITH CASE II* BEDDING PER CITY STD. DWG. NO. 452 *GRANULAR MATERIAL SHALL NOT BE SAND OR NATIVE MATERIAL.
- CONSTRUCT 4' MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
- CONSTRUCT SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. 462

RIVERSIDE COUNTY NOTE
THIS PROJECT IS BONDED AND TO BE INSPECTED BY CONSTRUCTION INSPECTION DIVISION.

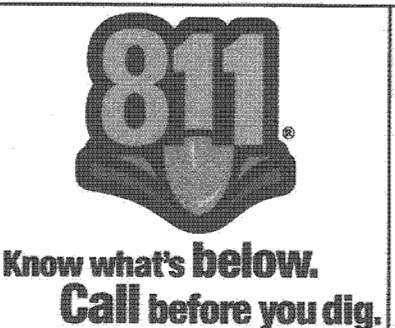
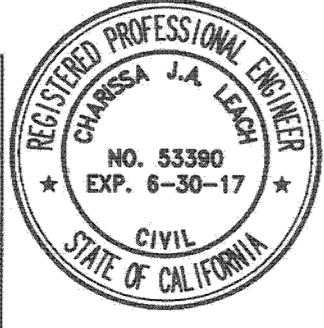
CONTRACTORS NOTE
SEWER LINE TO BE CONSTRUCTED 5' OFF CENTERLINE PER CITY OF RIVERSIDE STD.

LEGEND

CL	.....CENTERLINE
R/W	.....RIGHT OF WAY
MH	.....MANHOLE
INV	.....INVERT
STA	.....STATION
SWR	.....SEWER
BC	.....BEGINNING OF CURVE
EC	.....END OF CURVE
STD	.....STANDARD
DWG	.....DRAWING
L	.....LENGTH ON CURVE
NO.	.....NUMBER

DATE SIGNED: 1-25-16
REGISTRATION NUMBER: 45702
PLAN CHECK OVERSIGHT ENGINEER: Alan Fernald
APPROVED AS TO COMPLIANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

RIVERSIDE PUBLIC UTILITIES - WATER
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE COUNTY.



adkan ENGINEERS
Civil Engineering - Surveying - Planning
6879 Airport Drive, Riverside, CA 92504
Tel: (951) 688-0241 Fax: (951) 688-0599

BENCHMARK: 48-72 CHISLED SQUARE AT THE SOUTHEAST TOP OF A CATCH BASIN ON THE NORTHERLY SIDE OF CENTER STREET EAST OF TRANSIT AVENUE.
ELEVATION: 955.205 (NAVD 88)

MARK	BY	DATE	REVISIONS	MARK	BY	DATE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 1/24/16
PW DIRECTOR/CITY ENGINEER

SEWER IMPROVEMENT PLANS ON SITE SEWER SAGE TREE CT FERNWOOD CT TR 28957

IP 050057
PW14-0090
ACCOUNT NO.
S-2129
SHEET 3 OF 3