

**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.
- PIPES 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.

**OFF-SITE SEWER IMPROVEMENT PLANS FOR:  
GARFIELD AVENUE  
RIVERSIDE, CA.  
TR 28957**

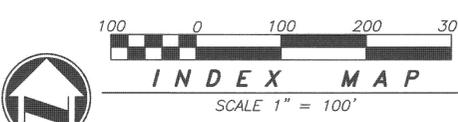
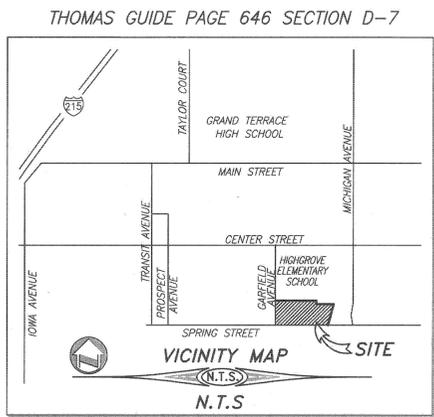
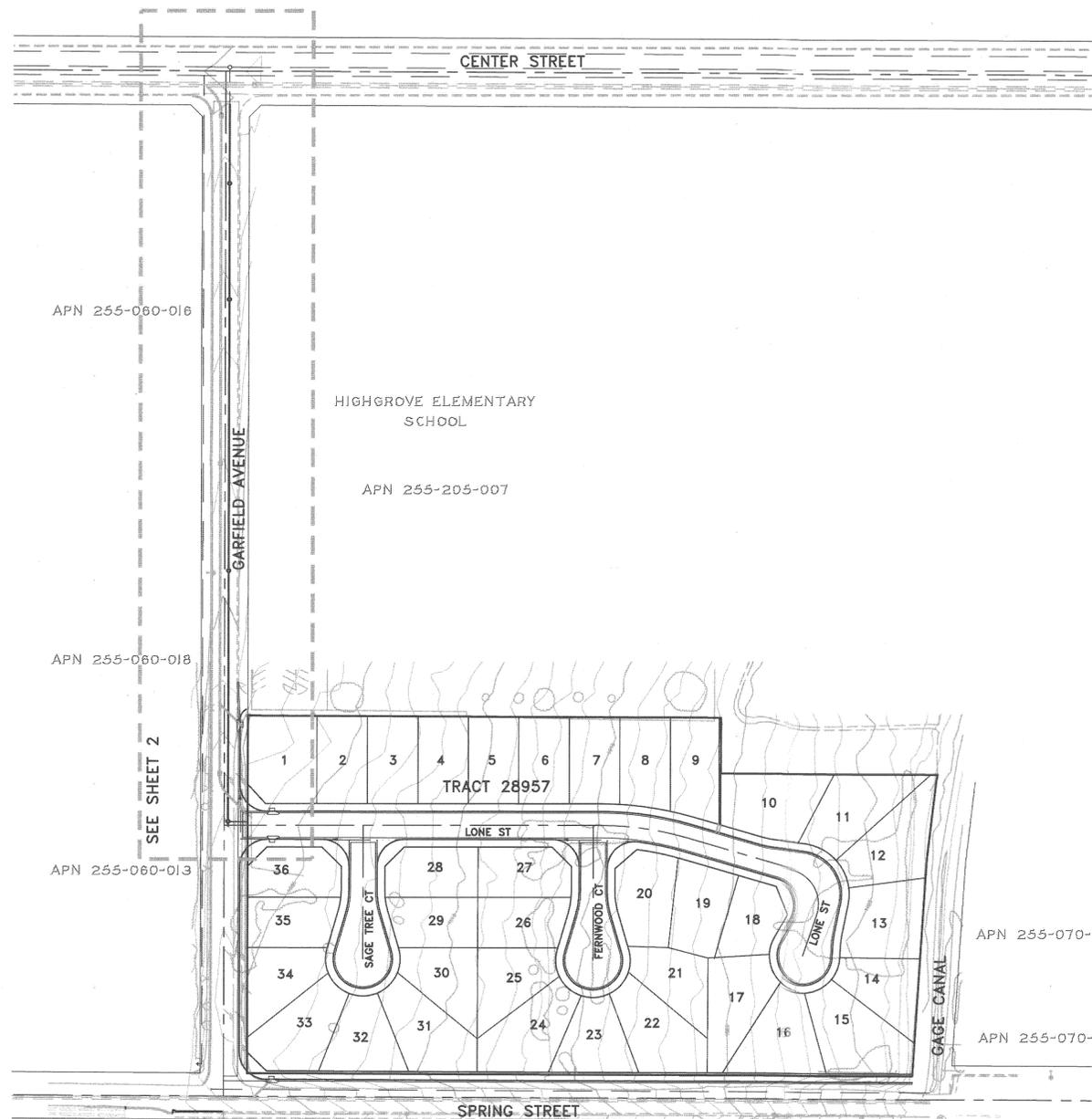
**RIVERSIDE COUNTY GENERAL NOTES:**

- 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 RESERVED 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. 4011 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. 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.  
B. PRIOR TO ANY CONSTRUCTION, THE DEVELOPER SHALL PROVIDE THE COUNTY A COPY OF THE NOI WITH A VALID WJD NUMBER.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPING 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.

**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 11" BEDDING PER CITY STD. DWG. NO. 452   | 956 | LF |
| 2 | *GRANULAR MATERIAL SHALL NOT BE SAND OR NATIVE MATERIAL.   |     |    |
| 3 | CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500  | 4   | EA |
| 4 | REPAIR EXISTING PAVEMENT PER COUNTY OF RIVERSIDE STD. 818 AND PER COUNTY OF RIVERSIDE ON-SITE TRANSPORTATION INSPECTOR, CONTRACTOR TO VERIFY |     |    |
| 5 | REPLACE EXISTING SIGNING/STRIPING REMOVED OR DAMAGED BY CONSTRUCTION AS DIRECTED BY COUNTY INSPECTOR   |     |    |



**LEGEND**

Q	.....CENTERLINE
R/W	.....RIGHT OF WAY
MH	.....MANHOLE
INV	.....INVERT

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

**UTILITY LOCATION NOTE**  
SEWER LINE ON GARFIELD AVE TO BE CONSTRUCTED 5' OFF CENTERLINE PER CITY OF RIVERSIDE STDS.

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

RIVERSIDE PUBLIC UTILITIES - WATER  
REVIEWED FOR CONFLICTS BY: **12/24/15**  
DATE: **12/24/15**



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/16  
PLANS PREPARED BY:  
**adkan ENGINEERS**  
Civil Engineering - Surveying - Planning  
6879 Airport Drive, Riverside, CA 92504  
Tel:(951) 898-1241 Fax:(951) 888-0599

**BENCHMARK:**  
JB-22: CHSLED 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)

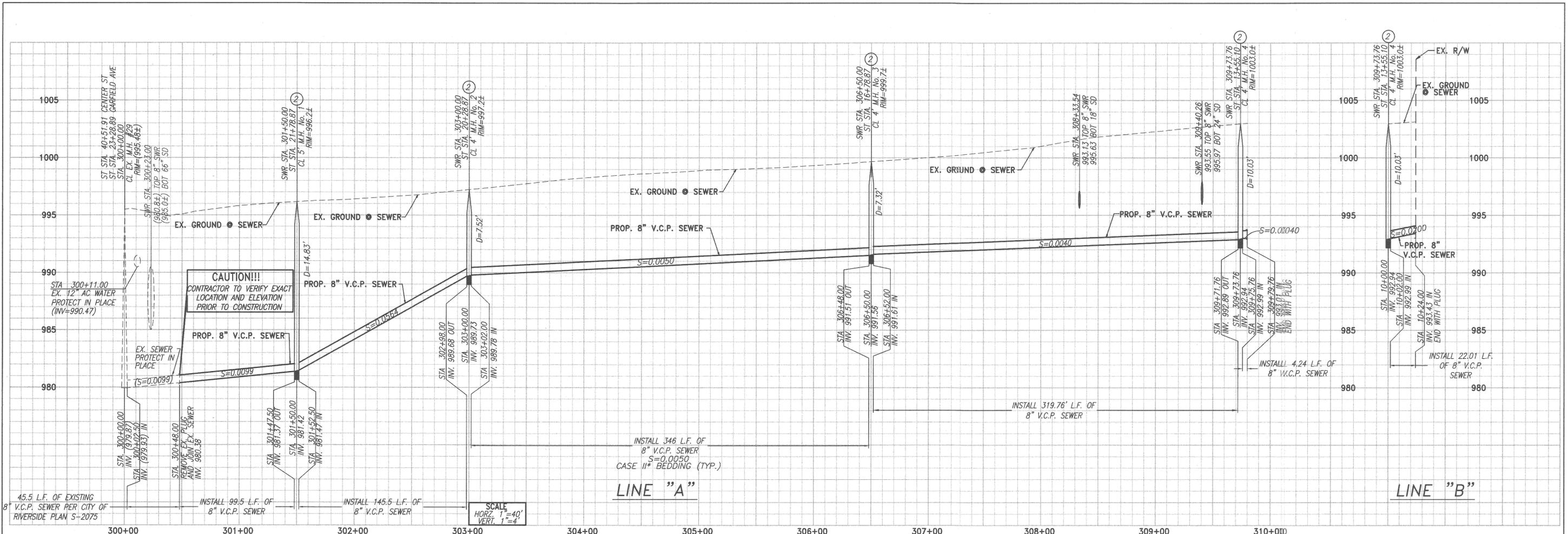
MARK	BY	DATE	REVISIONS	MARK	BY	DATE

DESIGNED BY CECILIA, DRAWN BY CECILIA, CHECKED BY: C-

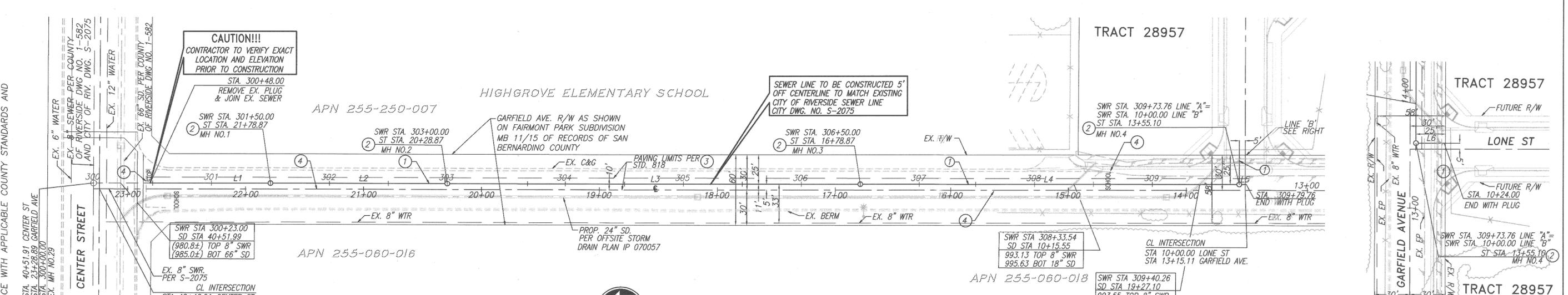
SEWER TO BE MAINTAINED BY THE CITY OF RIVERSIDE  
**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**  
APPROVED BY: **[Signature]** DATE: **1/23/16**  
ENGINEERING MANAGER  
CAPITAL PROJECTS  
SEWER DEPARTMENT

**SEWER IMPROVEMENT PLANS GARFIELD AVENUE**  
COVER SHEET TR 28957  
HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

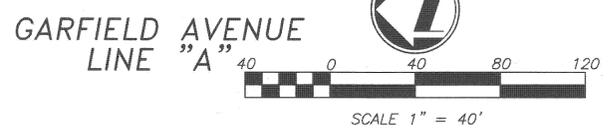
IP 070057  
PW13-0218  
ACCOUNT NO.  
S-2113  
SHEET 1 OF 2  
J.N. 8430



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



LINE TABLE		
LINE	LENGTH	BEARING
L1	102.00	N00°01'51\"/>
L2	150.00	N00°01'51\"/>
L3	350.00	N00°01'51\"/>
L4	323.76	N00°01'51\"/>
L5	6.00	N00°01'51\"/>
L6	24.00	N89°58'09\"/>



- CONSTRUCTION NOTES**
- CONSTRUCT 8\"/>
  - CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. DWG. 500
  - REPAIR EXISTING PAVEMENT PER COUNTY OF RIVERSIDE STD. 818, AND PER COUNTY OF RIVERSIDE ON-SITE TRANSPORTATION INSPECTOR, CONTRACTOR TO VERIFY
  - REPLACE EXISTING SIGNING/STRIPING REMOVED OR DAMAGED BY CONSTRUCTION AS DIRECTED BY COUNTY OF RIVERSIDE INSPECTOR

RIVERSIDE PUBLIC UTILITIES - WATER  
 REVIEWED FOR CONFLICTS BY: [Signature] DATE: 1/24/16



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

PLANS PREPARED BY:  
**adkan ENGINEERS**  
 Civil Engineering - Surveying - Planning  
 6875 Airport Drive, Riverside, CA 92504  
 Tel: (951) 689-0244 / Fax: (951) 688-0599

BENCHMARK:  
 48+72 CHASLED 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
1				1		

**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**

APPROVED BY: [Signature] DATE: 1/29/16  
 ENGINEERING MANAGER  
 CAPITAL PROJECTS  
 SEWER DEPARTMENT

**SEWER IMPROVEMENT PLANS GARFIELD AVENUE**

LINE "A" & LINE "B"  
 TR 28957

IP 070057  
 PW13-0218  
 ACCOUNT NO.  
 S-2113  
 SHEET 2 OF 2  
 J.N. 8430  
 HORIZ. SCALE: AS NOTED VERT. SCALE: N/A

DATE: 1/29/16