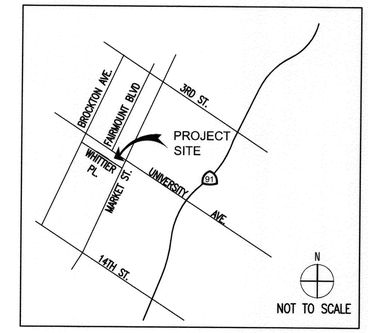
CULINARY ARTS AND DISTRICT OFFICE BUILDING

Riverside Community College District

STORM DRAIN IMPROVEMENT PLAN



VICINITY MAP

GENERAL NOTES:

1. 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.

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. WHEN A PORTION OF THE WORK IS TO BE DONE BY THE CITY, THE DEVELOPER AND/OR CONTRACTOR SHALL GIVE THE CITY 60-DAYS NOTICE SO THAT THE DEVELOPER'S WORK AND THE CITY'S WORK CAN BE PROPERLY COORDINATED. THE DEVELOPER SHALL PREPARE AND COMPACT THE SUBGRADE TO ELEVATIONS WITHIN ± .1' OF THE DESIGN ELEVATIONS AND SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SUBGRADE UNTIL ACCEPTED BY THE CITY. THE DEVELOPER SHALL ALSO BE RESPONSIBLE FOR ANY BARRICADING DURING THIS TIME.

7. 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.

8. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE SURVEYOR.

9. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.

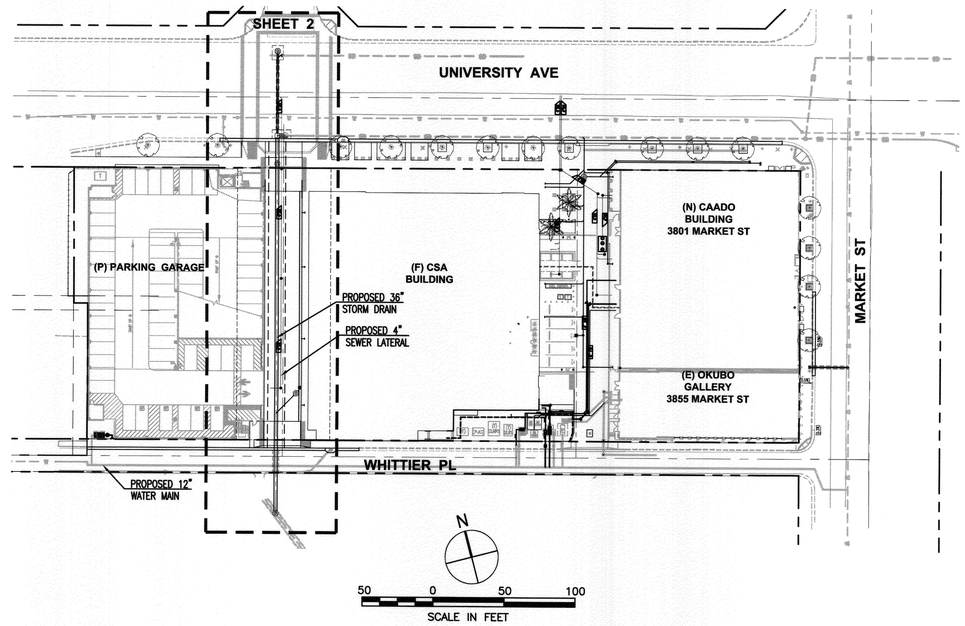
10. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.

11. STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.

12. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-2272600, 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.

13. 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.

14. IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.



SHEET INDEX:

1. COVER SHEET
2. PLAN AND PROFILE

CONSTRUCTION NOTES & QUANTITIES

#	ITEM	QUANTITY	STD. DWG. REFERENCE
421	CONSTRUCT JUNCTION STRUCTURE	3 EA.	STD-421
422	CONSTRUCT JUNCTION STRUCTURE	1 EA.	STD-422
430	CONSTRUCT JUNCTION STRUCTURE	1 EA.	STD-430
431	CONSTRUCT SDMH EZ	2 EA.	STD-431
452	INSTALL 36" RCP (D-1000)	264± L.F.	STD-452, CASE III
452	INSTALL 12" CLASS 350 DIP W/HOT DIP BITUMINOUS COATING	59± L.F.	STD-421, CASE III
453	INSTALL TRENCH BACKFILL	80± L.F.	STD-453

PRIVATE ENGINEER'S CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAVEL LANES AS INDICATED IN THE SPECIAL PROVISIONS.

2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, 2012 EDITION.

3. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.

4. CONFLICTING UTILITIES SHOWN WITHIN CONSTRUCTION AREA SHALL BE COORDINATED FOR RELOCATION AND INCORPORATED INTO THE PROJECT SCHEDULE.

5. ALL STREET PULL BOXES, AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED GRADE.

6. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD, EXCEPT FOR ELEVATIONS SHOWN IN PARENTHESIS WHICH DENOTE EXISTING GRADES.

7. THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, TO THE LANE LINES.

8. IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR AFTER COLD-MILLING AND PRIOR TO COMPLETION OF ASPHALT OVERLAYING.

BENCHMARK:

Z-1-AUX BENCHMARK ELEVATION = 851.967 FEET (NAVD29)

DESCRIBED BY Z-1-AUX: US COAST AND GEODETIC BRASS DISK STAMPED "Z1 RESET 1962" IN A MONUMENT WELL IN THE BACK OF THE SIDEWALK AT THE NORTHEAST CORNER OF ORANGE STREET AND MISSION INN AVENUE.

BASIS OF BEARINGS:

NORTH 29°45'06" EAST ALONG THE CENTERLINE OF MARKET STREET

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
WATER DIVISION
REVIEWED FOR CONFLICTS BY
VOID ONE YEAR FROM THIS DATE PB
7-15-2014
DATE

ENGINEER IN RESPONSIBLE CHARGE
KATHEREEN SHINKAI
R.C.E. No. 68369 expires 9/30/15
DATE 7/15/14

REGISTERED PROFESSIONAL ENGINEER
KATHEREEN M. SHINKAI
R.C.E. 68369
EXP. 9-30-15
CIVIL
STATE OF CALIFORNIA

LPA
p. 949.261.1001 f. 949.260.1190
w. lpainc.com e. info@lpainc.com
CITY BUSINESS TAX CERTIFICATE:
BL00127712 EXP. DATE 02/05/2014
5161 California Avenue, Suite 100
Irvine, California 92617

MARK	REVISIONS	APPR.	DATE

DESIGNED BY TJW DRAWN BY TJW-GB CHECKED BY KMS

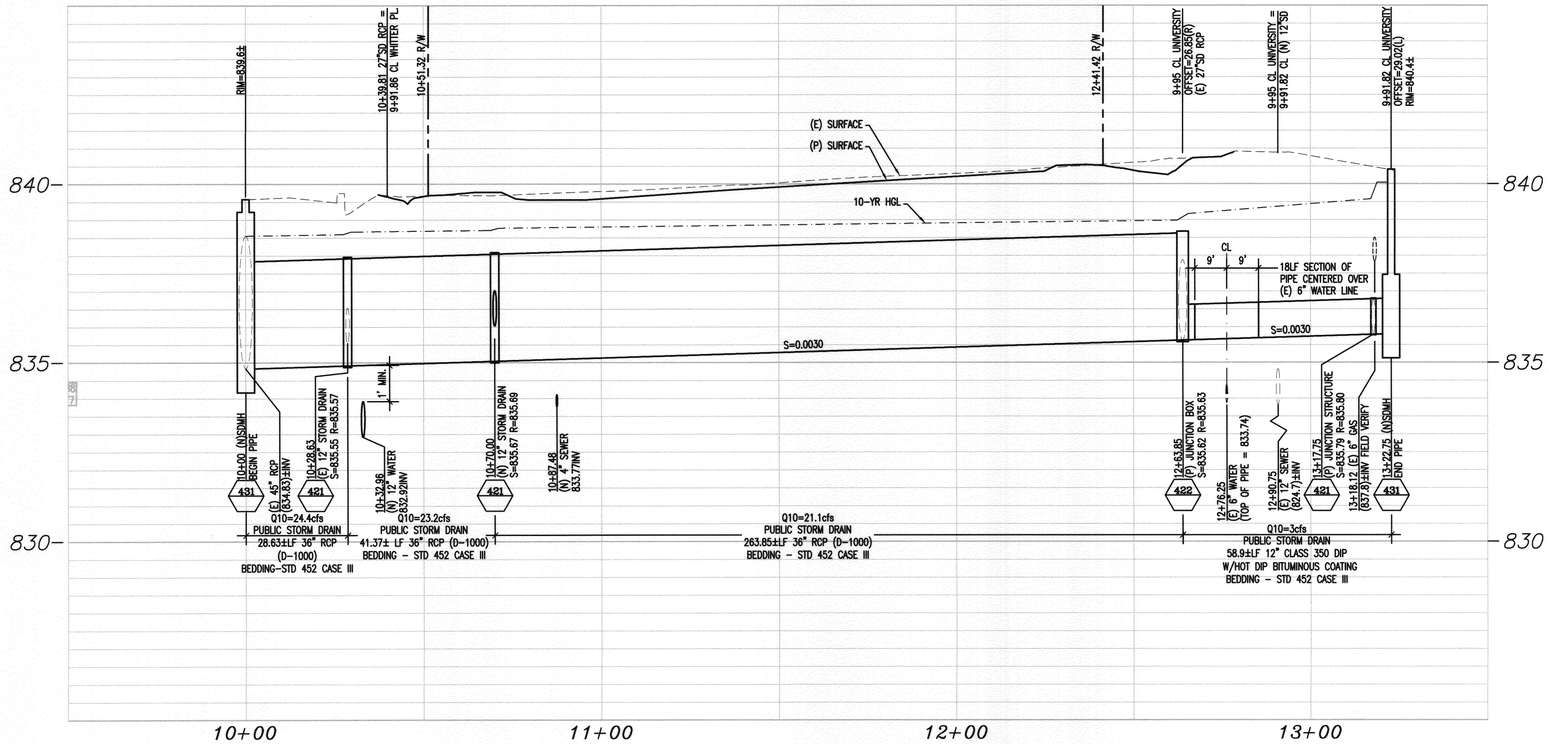
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
ENGINEERING MANAGER		
CAPITAL PROJECTS		
TRAFFIC ENGINEERING		

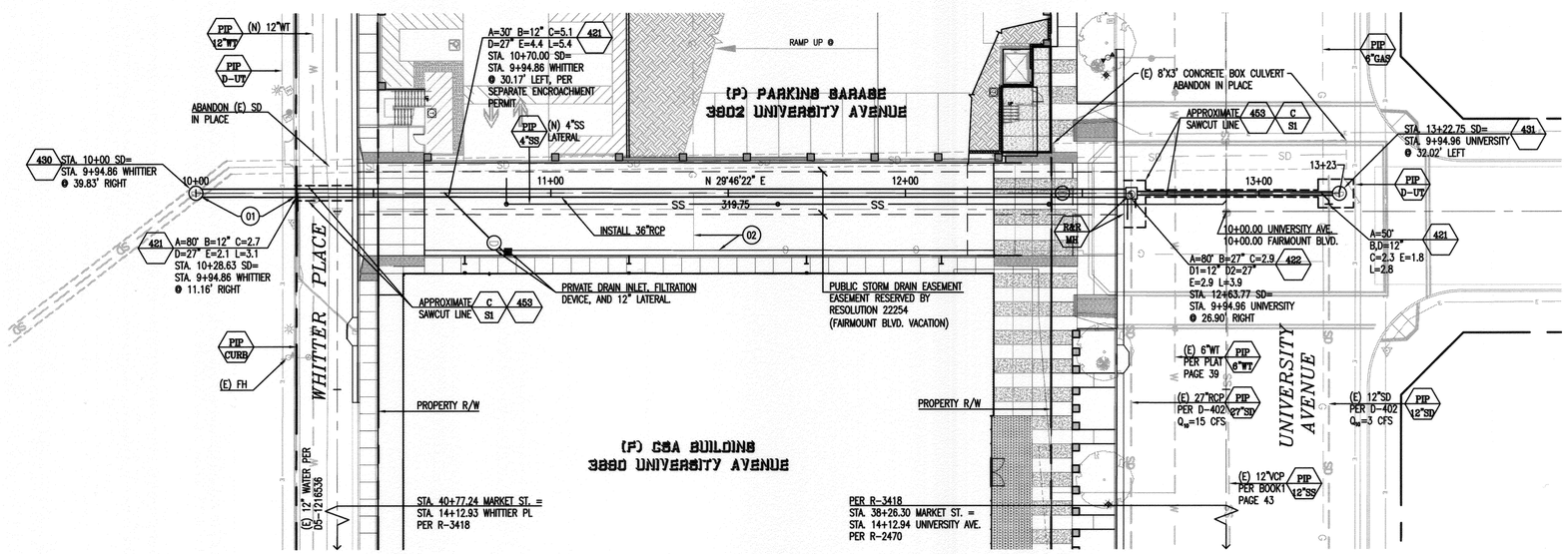
APPROVED BY
CITY ENGINEER/PW DIRECTOR
DATE 7/16/2014

STORM DRAIN IMPROVEMENT PLAN
COVER SHEET
3801 MARKET STREET
University Ave. & Whittier Pl.
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

PW13-0394
D-876
SHEET 1 OF 2



LINE "A"



CONSTRUCTION NOTES & QUANTITIES:

- (#) NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- PIP / XX — PROTECT IN PLACE EXISTING FEATURE. XX= EXISTING ITEM TO BE PROTECTED AS FOLLOWS: TR=TREE, MH=MANHOLE, SGN=SIGN, ELEC=ELECTRICAL FACILITY, CURB=CURB, FH=FIRE HYDRANT, RAMP=RAMP, DWY=DRIVEWAY, SDWK=SIDEWALK, D-UT= DRY UTILITY, SD=STORM DRAIN, SS=SANITARY SEWER, WTR=WATER
- R&M / XX — REMOVE EXISTING FEATURES XX= EXISTING ITEM TO BE REMOVED AND DISPOSED AS FOLLOWS: PV=EXISTING ASPHALT, MH=MANHOLE
- R&R / XX — REMOVE EXISTING FEATURE AND RECONSTRUCT PER CITY STANDARDS. XX= EXISTING ITEM TO BE REMOVED AND RECONSTRUCTED AS FOLLOWS: DI=EXISTING DRAIN INLET TO BE REMOVED AND REPLACED; STR=STRIPPING TO BE REPLACED IN KIND.
- C / S1 — CONSTRUCT PAVEMENT STRUCTURAL SECTION OF 4" DGAC OVER 13" CLASS II AGGREGATE BASE OVER 90% COMPACTED NATIVE SOIL.

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(01) (E) TREES NOT SURVEYED. NOTIFY ENGINEER IF CONFLICT EXISTS PRIOR TO TRENCHING.

(02) (E) 3" GAS LINE TO BE REMOVED BY SEPARATE PERMIT.

(03) TIE (E) 12" STORM DRAIN INTO (N) 12" STORM DRAIN WITH A WYE.

HORIZ. 20 0 20 40
VERT. 2 0 2 4
SCALE IN FEET

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REVIEWED FOR CONFLICTS BY VOID ONE YEAR FROM THIS DATE PB — DATE 7-15-2014

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REGISTERED PROFESSIONAL ENGINEER — KATHEREEN M. SHINKAI — R.C.E. 68369 EXP. 9-30-15 — CIVIL — STATE OF CALIFORNIA

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PUBLIC WORKS DEPARTMENT

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PW13-0394
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SHEET 2 OF 2