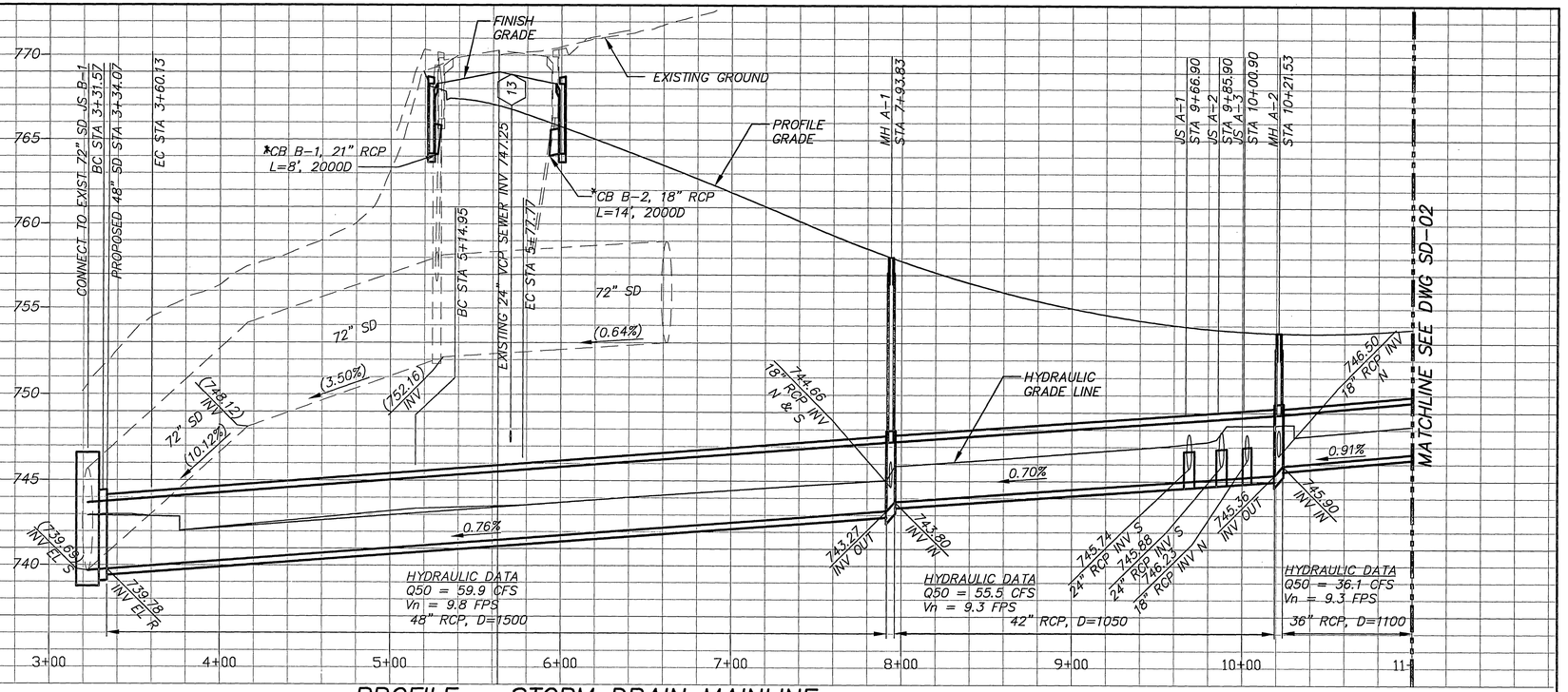
NOTE: PRIOR TO ISSUANCE OF GRADE SHEETS FOR ANY PROPOSED SEWER AND STORM DRAIN FACILITIES CONTRACTOR SHALL EXPOSE ALL UTILITIES WHICH CROSS OR MAY BE IN CONFLICT WITH THE PROPOSED SEWER AND STORM DRAIN FACILITIES AND COORDINATE WITH THE INSPECTOR TO HAVE THE LOCATION AND ELEVATION VERIFIED BY CONTRACTOR'S SURVEYORS.

* CONTRACTOR TO VERIFY LOCATION AND INVERT OF EXISTING CONNECTOR PIPE



PROFILE – STORM DRAIN MAINLINE

HORIZ. SCALE: 1"=40'
VERT SCALE: 1"=4'

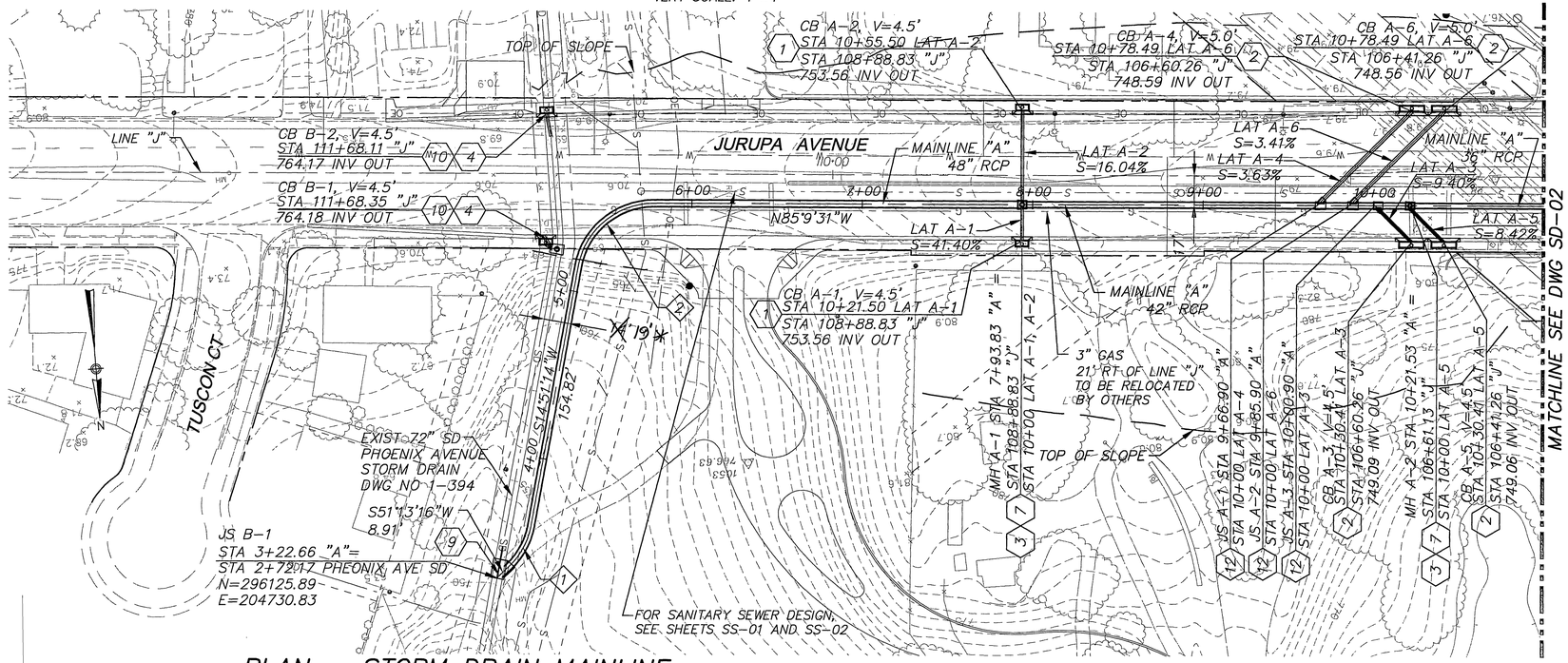
CONSTRUCTION NOTES

1. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING NO 405, W=7'
2. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING NO 405 W=14'
3. CONSTRUCT STORM DRAIN MANHOLE PER CITY OF RIVERSIDE STANDARD DRAWING NO 430
4. REMOVE EXISTING CATCH BASINS. CONSTRUCT NEW CATCH BASIN AT THE SAME LOCATION PER CITY OF RIVERSIDE STANDARD DRAWING NO 405, W=7', V=4' AND CONNECT TO EXISTING 72" STORM DRAIN
5. PIPE BEDDING SHALL BE PER CITY OF RIVERSIDE STANDARD DRAWING NO 452 , CASE 1
6. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE PUBLIC WORKS STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) 2000 EDITION
7. CONTRACTOR TO ADJUST STORM DRAIN MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED
8. CONTRACTOR TO CALL UNDERGROUND SERVICE ALERT (USA) (800) 422-4133, TWO WORKING DAYS PRIOR TO DIGGING
9. TRANSITION STRUCTURE NO. 3 PER RFCD STD TS303 L=13', C=12', A=36'22'2"
10. CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STANDARD DRAWING NO 424
12. CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STANDARD DRAWING NO 421. L=4.07', C'=5.68', E'=4.07'
13. SEWER ENCASEMENT PER CITY OF RIVERSIDE STANDARD DRAWING NO 564

STORM DRAIN LATERALS	BEARING	PIPE
A-1	N4°50'29"E	20' – 18" RCP 2000D
A-2	S4°50'29"W	54' – 18" RCP 2000D
A-3, A5	N40°09'31"W	28', 29' – 18" RCP 2000D
A-4, A-6	S49°50'29"W	76', 76' – 24" RCP 2000D

CURVE DATA

CURVE NO.	R	D	L	T	N (PI)	E (PI)
1	45'	36°22'2"	28.56'	14.78	296111.06	204712.36
2	45'	79°59'14"	62.82'	37.75'	295910.63	204659.20



PLAN – STORM DRAIN MAINLINE

SCALE: 1"=40'

*AS BUILT 1-20-10

GRAPHIC SCALE: 40' 20' 0 40 80 — 1" = 40' HORIZ
GRAPHIC SCALE: 4' 2' 0 4 8 — 1" = 4' VERT

DMJM HARRIS | AECOM
999 Town & Country Road
Orange, CA 92868
T 714.567.2501 F 714.567.2441

REGISTERED PROFESSIONAL ENGINEER — GARY W. SAN — No. 37218 — EXP. 06-30-2008 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	CHANGED 18" TO 24" RCP	GS	3/2007

DESIGNED BY G.S. DRAWN BY G.S. CHECKED BY J.E.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
CONST. CONTRACT ADMIN.	DK	10/20/06
PRINCIPAL ENGINEER	FM	10/26/06
STREET SERVICES	DS	10/26/06
SURVEYOR	—	—
TRAFFIC DIVISION	K.M	10-26-06
PARKS DEPARTMENT	—	—

APPROVED BY _____ CITY ENGINEER
DATE 10/26/06

JURUPA AVENUE UNDERPASS
PHASE II CONSTRUCTION

PLAN AND PROFILE
STORM DRAIN SHT 1

D-700
SD-01
SHEET _____ OF _____
October 6, 2006

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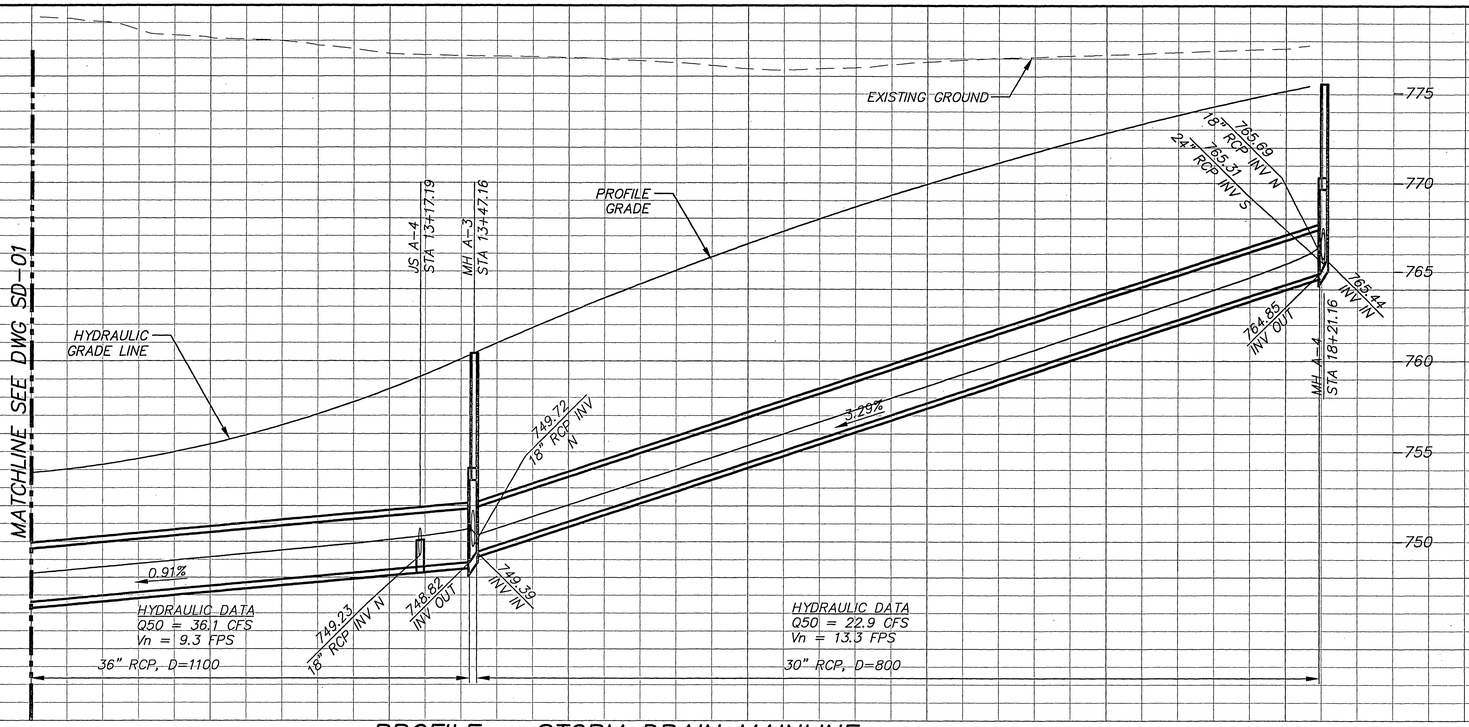


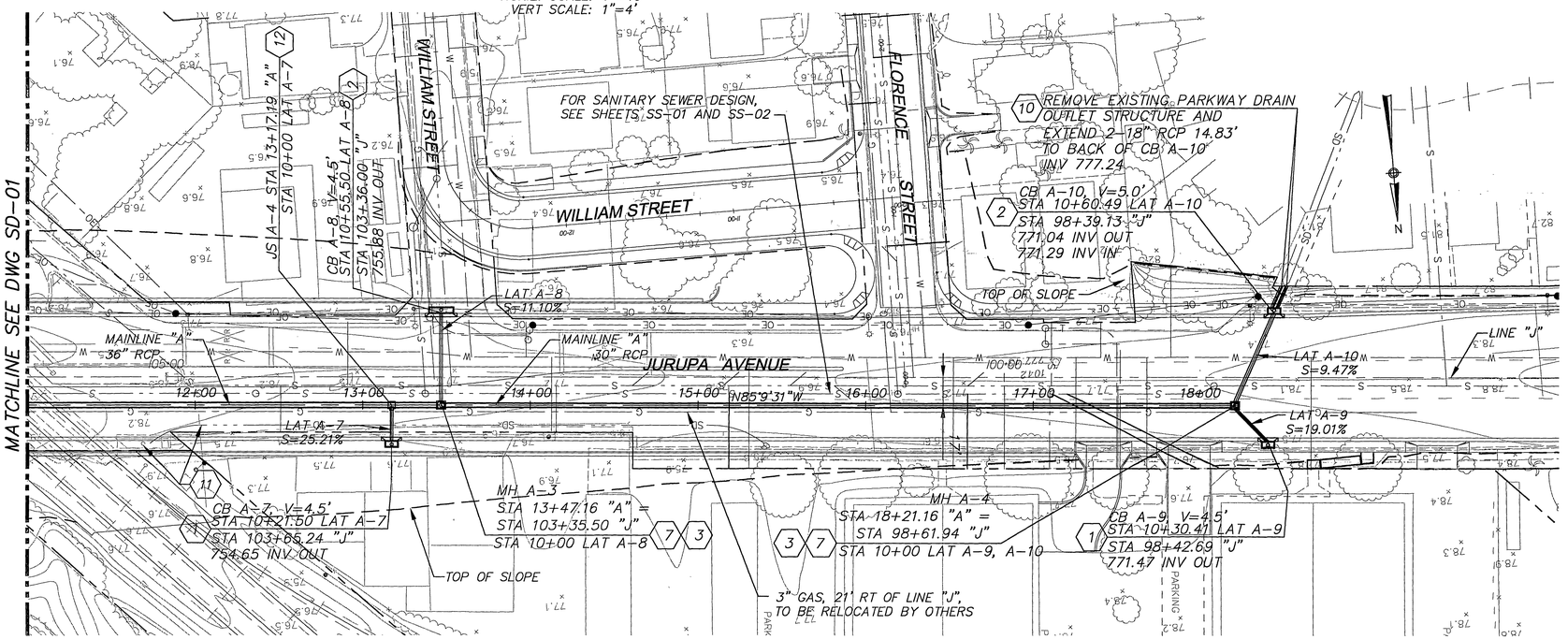
PROFILE – STORM DRAIN MAINLINE

HORIZ. SCALE: 1"=40'
VERT SCALE: 1"=4'

CONSTRUCTION NOTES

1. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING NO 405, W=7'
2. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING NO 405 W=14'
3. CONSTRUCT STORM DRAIN MANHOLE PER CITY OF RIVERSIDE STANDARD DRAWING NO 431
4. REMOVE EXISTING CATCH BASINS. CONSTRUCT NEW CATCH BASIN AT THE SAME LOCATION PER CITY OF RIVERSIDE STANDARD DRAWING NO 405, W=7', V=4' AND CONNECT TO EXISTING
5. PIPE BEDDING SHALL BE PER CITY OF RIVERSIDE STANDARD DRAWING NO 452 , CASE 1
6. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE PUBLIC WORKS STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) 2000 EDITION
7. CONTRACTOR TO ADJUST STORM DRAIN MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED
8. CONTRACTOR TO CALL UNDERGROUND SERVICE ALERT (USA) (800) 422-4133, TWO WORKING DAYS PRIOR TO DIGGING
9. **TRANSITION STRUCTURE NO. 3 PER RFCD STD TS303 L=13', C=12', A=36°22'2"**
10. CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STANDARD DRAWING NO 424
11. REMOVE EXIST CATCH BASIN AND 15" RCP SD
12. CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STANDARD DRAWING NO 421. L=2.25, C'=3.08', E'=2.25'

STORM DRAIN LATERALS	BEARING	PIPE
A-7	N4°50'29"E	20' – 18" RCP 2000D
A-8	S4°50'29"W	54' – 18" RCP 2000D
A-9	N40°09'31"W	29' – 18" RCP 2000D
A-10	S28°16'52"W	59' – 24" RCP 2000D



PLAN – STORM DRAIN MAINLINE

SCALE: 1"=40'

AS BUILT 1-20-10

GRAPHIC SCALE: 40' 20' 0 40 80 — 1" = 40' HORIZ
GRAPHIC SCALE: 4' 2' 0 4 8 — 1" = 4' VERT

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REGISTERED PROFESSIONAL ENGINEER GARY W. SUELTZ No. 37218 EXP. 06-30-2008 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY G.S. DRAWN BY G.S. CHECKED BY J.E.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
CONST. CONTRACT ADMIN.		
PRINCIPAL ENGINEER		
STREET SERVICES		
SURVEYOR		
TRAFFIC DIVISION		
PARKS DEPARTMENT		

APPROVED BY _____ CITY ENGINEER
DATE 10/26/06

JURUPA AVENUE UNDERPASS PHASE II CONSTRUCTION

PLAN AND PROFILE STORM DRAIN SHT 2

D-700
SD-02
SHEET ____ OF ____
October 6, 2006

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