RIVERSIDE CALIFORNIA

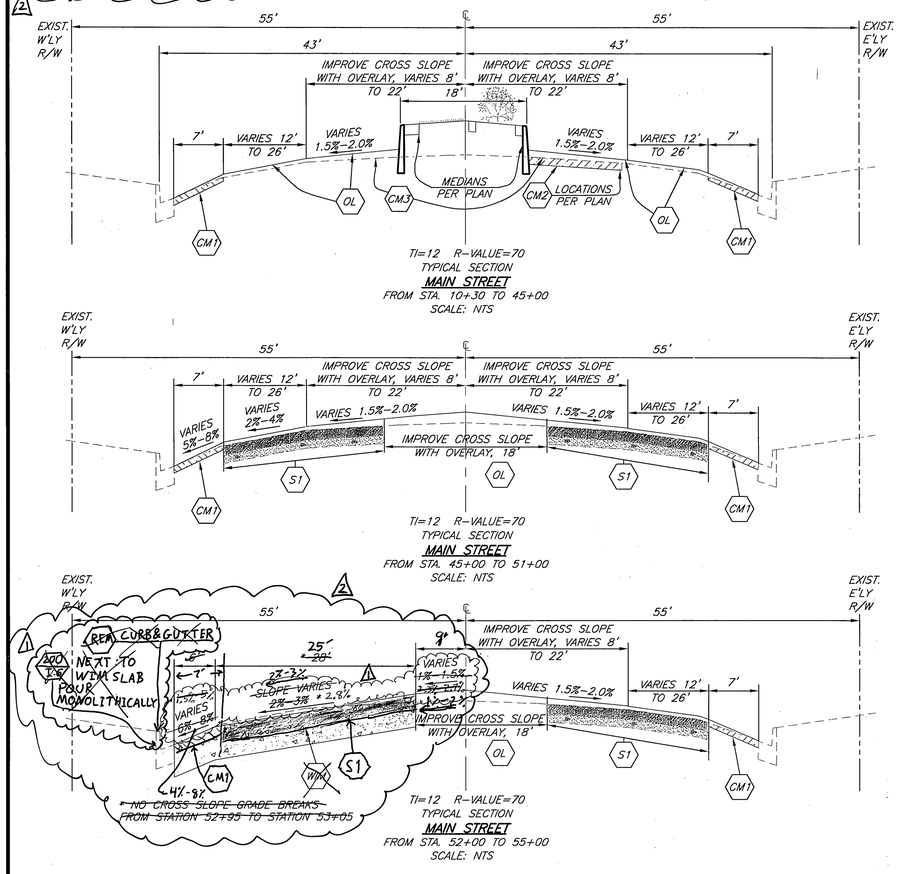
CITY OF RIVERSIDE

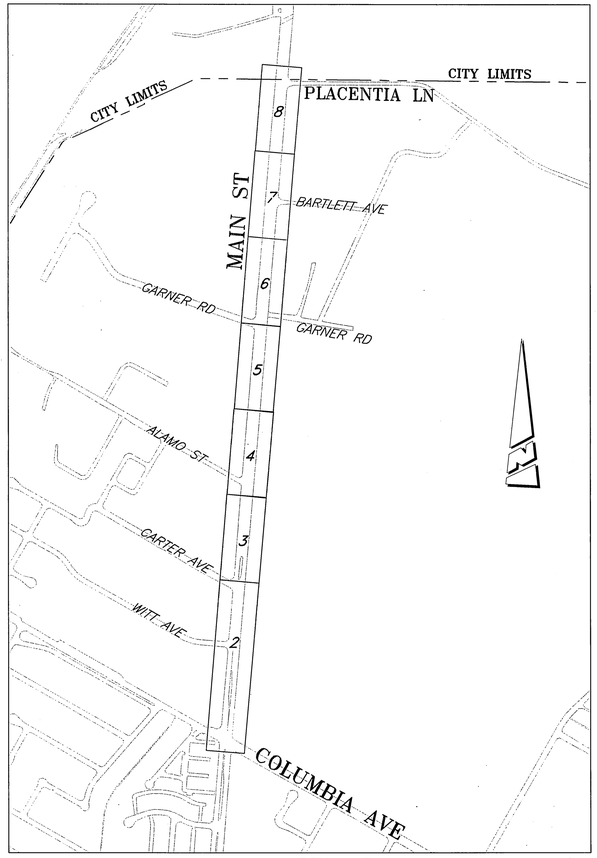
PUBLIC WORKS DEPARTMENT

MAIN STREET RENOVATION

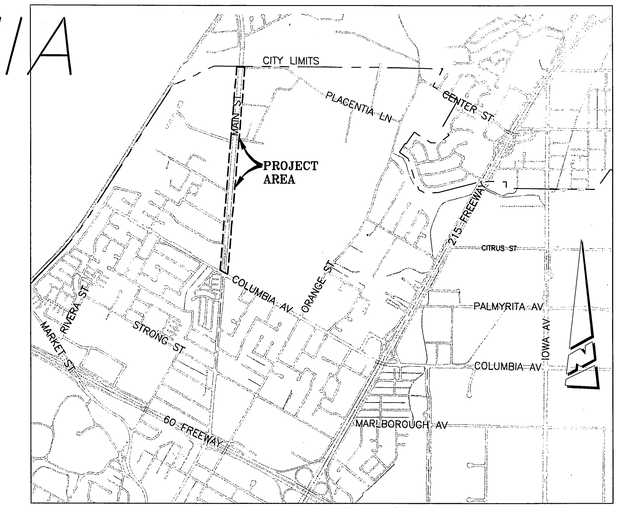
CONSTRUCTION NOTES:

- 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.
- (CM1) TYPE I COLD MILLING (7' WIDE) – COLD–MILL EXISTING PAVEMENT ADJACENT TO THE GUTTER. THE COLD–MILLED AREA SHALL HAVE A MINIMUM DEPTH OF 0.1' ADJACENT TO THE GUTTER LIP AND MEET THE EXISTING PAVEMENT IN 7 FEET WITH A STRAIGHT GRADE.
- (CM2) TYPE II COLD MILLING EXISTING PAVEMENT AT JOIN LINES (OR AS DIRECTED BY THE ENGINEER) TO A UNIFORM DEPTH OF 0.17'. (APPROX DIM PER PLAN)
- (S1) CONSTRUCT STRUCTURAL SECTION OF 0.57' DGAC OVER 0.5' AB OVER COMPACTED NATIVE SOIL. (T.I.=12, R–VALUE=70) – DOES NOT INCLUDE OVERLAY
- (OL) OVERLAY EXISTING PAVEMENT, COLDMILL AREAS, AND NEW STRUCTURAL SECTION WITH 0.10' MIN THICKNESS ARHM–GG–C BASE COURSE TO BE ADDED WHEN OVERLAY EXCEEDS 0.10'
- (ADJ —) ADJUST TO GRADE, DESCRIPTION PER PLAN. (GV) GATE VALVE. (MH) MANHOLE. (WM) WATER METER. OR (PB) PULLBOX.
- (REM —) REMOVE ITEM AS DESCRIBED IN PLAN. FOR TREE REMOVAL A NUMBER WITHIN HEXAGON DENOTES DIAMETER CLASS OF TREE
- (CSC) CONSTRUCT 3.5" THICK COLORED STAMPED CONCRETE (COLOR SHALL BE L.M. SCOFIELD COMPANY, COLOR CHART A–312.10 QUARRY RED, OR CITY APPROVED EQUAL PATTERN SHALL BE A LOW PROFILE, LOW WAFFLE BOMANITE 12"x12" TILE) OVER COMPACTED SUBGRADE, PROVIDE STERLIZED COMPACTED FILL, IF NECESSARY.
- (UTL —) EXISTING UTILITY FACILITY TO BE RELOCATED BY UTILITY COMPANY(S). (LIG) STREETLIGHT/POWER POLE BY RPUD–ELECTRIC. (TEL) COMMUNICATION EQUIPMENT BY AT&T. (W) WATER FACILITIES BY RPUD–WATER.
- (WIM) CONSTRUCT WEIGH–IN–MOTION 12" THICK CONCRETE SLAB. CONCRETE SHALL BE CLASS 520–A–2500 OVER 4" BASE AND CONSTRUCTED PER CALTRANS STANDARD PLAN P1, P10, P26, AND P30.
- (SLT) GROUTED SLOT FOR FUTURE EQUIPMENT INSTALLATION 2.17" DEEP BY 3" WIDE. TRENCH SHALL BE MADE BY USE OF FORMS & BACKFILLED WITH TRENCH SLURRY.
- (R&R) REMOVE AND RECONSTRUCT PAVEMENT (APPROXIMATE AREAS PER PLAN) 1
- (PIP) PROTECT IN PLACE (DESCRIPTION PER PLAN).
- (W) WATER MAIN TO BE RELOCATED BY RPUD BEFORE START OF CONSTRUCTION.
- (REL) RELOCATE ITEM AS DESCRIBED IN THE PLAN
- (REC) RECONSTRUCT ITEM IN KIND AT NEW LOCATION AS DESCRIBED ON PLAN.
- (DLP) DETECTOR LOOP WORK PER SIGNING AND STRIPING PLAN XL–576
- (LS —) PROPOSED LANDSCAPE AREAS, SEE SHEET 9 & 10 WITH CORRESPODING DETAIL OR IRRIGATION NOTE BELOW
- (12:1 M) MEDIAN NOSE TO BE CONSTRUCTED WITHOUT FLARE & PORTION OF POCKET TO BE STRIPED
- (WR) WATER PIPELINE TRENCH REPAIR, REMOVE TEMPORARY AC & FAILED PAVEMENT ADJACENT TO TRENCH MINIMUM WIDTH, & MATERIAL PLACEMENT PER (453)
- (CM3) TYPE III COLD MILLING (5' WIDE) – COLD–MILL EXISTING PAVEMENT ADJACENT TO THE MEDIAN CURB, ONLY AT LOCATIONS DIRECTED BY THE ENGINEER, TO ENSURE AN 8" CURB FACE IS PROVIDED AND THE PAVEMENT CROSS SLOPE IS NOT LESS THAN 1.5%.
- (AD) CONSTRUCT AREA DRAIN FOR LOTS SHOWN SEE TYPICAL DETAIL ON SHEET 2.
- (GRD) FOR LOTS 1085, 1081, & 1069 REGRADE BEHIND CURB TO 12' FROM CURB, INCLUDES DRIVEWAYS FOR PREPARATION OF SIDEWALK. SEE DETAIL ON SHEET 2
- (CLR) CONTRACTOR SHALL PROVIDE TRANSITION IN SIDEWALK TO ASSURE A 48" WIDE WALKWAY AT OBSTRUCTIONS





INDEX MAP
NTS



VICINITY MAP
NTS

LEGEND

- SANITARY SEWER M.H.
- STORM DRAIN M.H.
- WATER GATE VALE
- ELECTRIC M.H.
- TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- IRRIGATION METER
- BLOW–OFF VALVE
- TRAFFIC SIGN
- POWER POLE
- STREET LIGHT ON MAST ARM
- ELECTRICAL TEST STATION (PIPELINE)
- TREE STUMP
- PALM TREE
- MISC. TREE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION DRAINAGE FLOW
- EDGE OF PAVEMENT
- GUY ANCHOR

STREET CENTERLINE
STREET R/W
LIMIT OF GRADING
SANITARY SEWER (S)
WATER LINE (W)
UNDERGROUND ELECTRIC (UGE)
EXISTING CONTOUR 968

(54.76)	EXISTING ELEVATION	STA	STREET STATION
54.76	PROPOSED ELEVATION	PI	POINT OF INTERSECTION
TC	TOP OF CURB	V.C.	VERTICAL CURVE
EP	EDGE OF PAVEMENT	BVC	BEGIN VERTICAL CURVE
FL	FLOWLINE	EVC	END VERTICAL CURVE
FS	FINISHED SURFACE	PRC	POINT OF REVERSE CURVATURE
CL	CENTERLINE	G_1	GRADE INTO VERTICAL CURVE
GB	GRADE BREAK	G_2	GRADE OUT OF VERTICAL CURVE
AC	ASPHALTIC CONCRETE	APN	ASSESSORS PARCEL NUMBER
PCC	PORTLAND CEMENT CONCRETE	RCP	REINFORCED CONCRETE PIPE
C&G	CURB AND GUTTER	N'LY	NORTHERLY
R/W	RIGHT OF WAY	S'LY	SOUTHERLY
		℄(?)	UNKNOWN DISTANCE

NEW STRUCTRUAL SECTION — OVERLAY ONLY (LIMITS PER PLAN)

COLD MILL & OVERLAY — NEW PCC

SHEET INDEX FOR R–4141:

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MAIN STREET RENOVATION (STA. 10+00 TO STA. 21+00)
3	MAIN STREET RENOVATION (STA. 21+00 TO STA. 27+00)
4	MAIN STREET RENOVATION (STA. 27+00 TO STA. 33+00)
5	MAIN STREET RENOVATION (STA. 33+00 TO STA. 39+00)
6	MAIN STREET RENOVATION (STA. 39+00 TO STA. 45+00)
7	MAIN STREET RENOVATION (STA. 45+00 TO STA. 51+00)
8	MAIN STREET RENOVATION (STA. 51+00 TO STA. 56+36)
9	MAIN STREET RENOVATION (MEDIAN LANDSCAPE)
10	MAIN STREET RENOVATION (MEDIAN LANDSCAPE)

SHEET INDEX FOR XL–576:

SHEET NO.	DESCRIPTION
1	MAIN STREET, SIGNING AND STRIPING PLAN
2	MAIN STREET, SIGNING AND STRIPING PLAN
3	MAIN STREET, SIGNING AND STRIPING PLAN

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

BENCHMARK GPS–51
ELEVATION: 813.657
2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COLUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER — EDWARD LARA — No. 63753 Exp. 9–30–10 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
A	ELIMINATE WIM SLAB	E.L.	11/16/10
A	NOTES & CROSS SECTION DETAIL	E.L.	11/15/10

DESIGNED BY SGS DRAWN BY SGS CHECKED BY E.L.

APPROVED BY	BY	DATE
ENGINEERING MANAGER	MK	9-25-09
CONSTRUCTION ADMIN.	AD	9/22/09
SURVEYOR	CS	9/22/09
STREET SERVICES	RH	9-25-09
TRAFFIC ENGINEER	EL	9-22-09
LANDSCAPING	JS	9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/25/09

MAIN STREET RENOVATION
FROM COLUMBIA AVENUE TO PLACENTIA AVENUE
TITLE SHEET
HORIZ. SCALE: N/A VERT. SCALE: N/A

CONSTRUCTION W.O. NO. – 0903470
DESIGN W.O. NO. – 0903466
R–4141
SHEET 1 OF 10
FILE NO.

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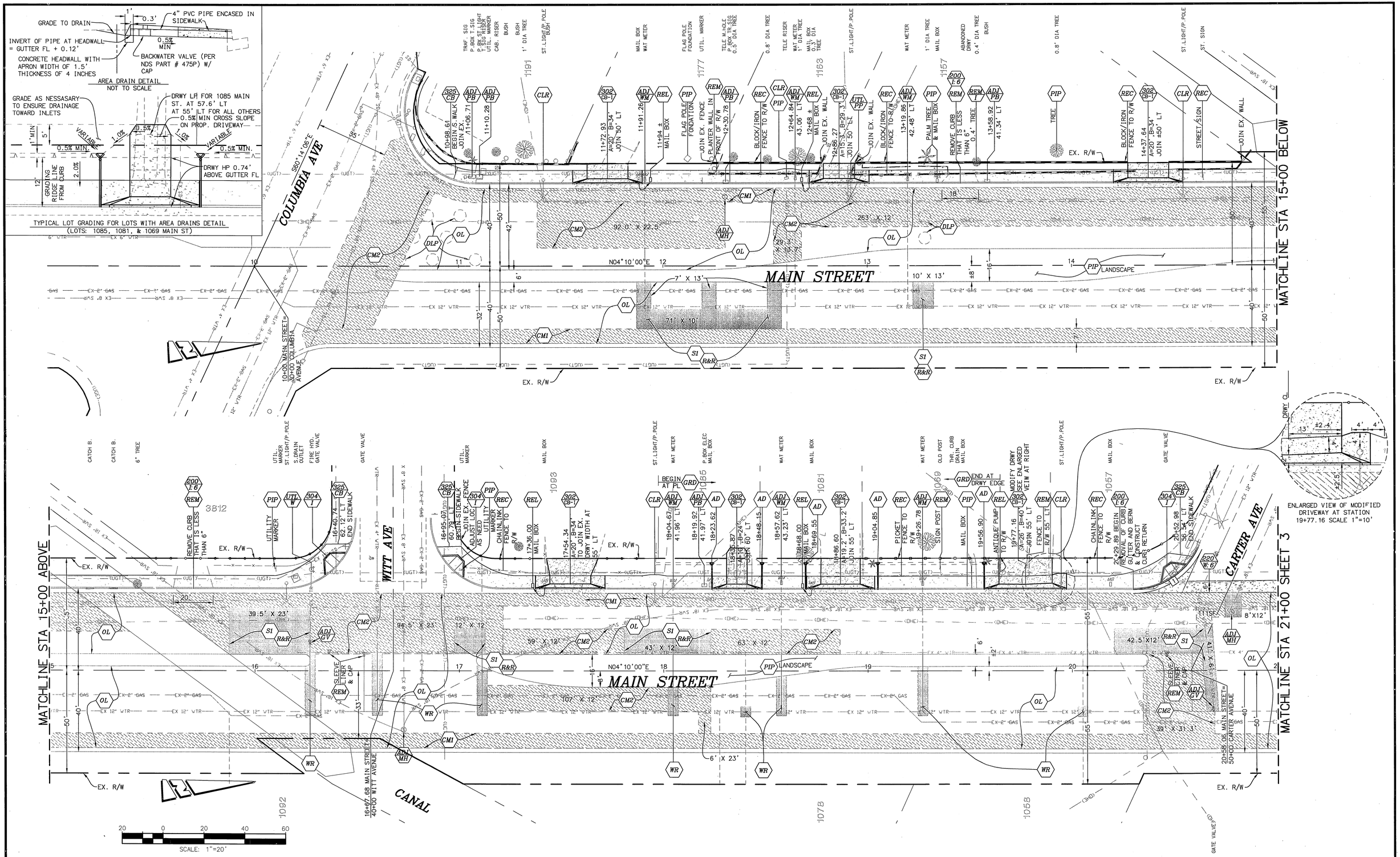

CURB DATA			
NO	BEARING/DELTA	RADIUS	LENGTH
1	Δ=65°07'21"	35.00'	39.78'

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

BENCHMARK GPS-51
ELEVATION: 813.657
2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COLUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER
EDWARD LARA
No. 63753
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SSS DRAWN BY SSS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER	MK	9-22-09
CONSTRUCTION ADMIN.	AD	9/22/09
SURVEYOR	ES	9/22/09
STREET SERVICES	SAB	9-22-09
TRAFFIC ENGINEER	LH	9-22-09
LANDSCAPING	JS	9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/5/09

MAIN STREET RENOVATION
FROM COLUMBIA AVENUE TO PLACENTIA AVENUE
STA. 10+00 TO STA. 21+00

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466

R-4141

SHEET 2 OF 10

FILE NO.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

LT MEDIAN CURB
CL
RT MEDIAN CURB

EX. LT 6" MEDIAN CURB — 22+50.60 (819.33) TC — (S =0.55%)
EX. RT 6" MEDIAN CURB — 22+49.17 (819.66) TC — (S =0.63%)

22+79.50 (820.09) TC 6" CURB — JOIN EX. CURB @ 8.11 RT — BEGIN TRANS.
22+80.90 (820.06) TC 6" CURB — JOIN EX CURB @ 7.78 RT — BEGIN TRANS.

JOIN TO EX. MEDIAN 22+85.00 820.09 FS — (S =3.07%)

20.5' CURB HEIGHT TRANS.
19.10' CURB HEIGHT TRANS.

23+00.00 820.48 TC @ 8.19 LT
23+00.00 820.55 FS
23+00.00 820.78 TC @ 7.89 RT

23+50.00 820.722 TC @ 8.39 LT
23+50.00 820.86 FS
23+50.00 820.668 TC @ 8.17 RT

24+00.00 821.05 TC @ 8.59 LT
24+00.00 821.10 FS
24+00.00 820.92 TC @ 8.44 RT

24+50.00 821.41 TC @ 8.80 LT
24+50.00 821.50 FS
24+50.00 821.32 TC @ 8.72 RT

25+00.00 821.66 TC @ 9.00 LT END TRANS.
25+00.00 821.70 FS
25+00.00 821.52 TC @ 9.00 RT END TRANS.

25+50.00 821.98 TC
25+50.00 822.03 FS
25+50.00 821.87 TC @ 7.83 RT

26+00.00 822.22 TC
26+00.00 822.35 TC @ 1.49 LT

26+50.00 822.50 TC
26+50.00 822.70 TC

27+00.00 822.88 TC
27+00.00 822.33 FS
27+00.00 823.04 TC

25+91.30 822.27 TC 821.61 FS
25+31.30 821.74 TC @ 9.0 RT BEGIN REV. TAPER
25+21.30 822.50 TC @ 3.00 LT END REV. TAPER

S =0.55% S =0.48% S =0.66% S =0.72% S =0.50% S =0.64% S =0.48% S =0.56% S =0.76%
S =0.43% S =0.62% S =0.48% S =0.80% S =0.40% S =0.66% S =0.58% S =0.66%
S =0.63% S =0.62% S =0.48% S =0.80% S =0.40% S =0.70% S =0.96% S =0.70% S =0.68%

EX. GRADE @ 9' LT
PROP. FS OF CENTERLINE
EX. GRADE @ CL
RIGHT 8" MEDIAN CURB
EX. GRADE @ 9' RT
8" MEDIAN CURB @ 9' LT
8" MEDIAN CURB @ 9' RT
8" MEDIAN CURB ALONG TAPER

-823- LT MEDIAN CURB
-821-
-823- CL
-821-
-823- RT MEDIAN CURB
-821-

21+00 22+00 23+00 24+00 25+00 26+00 27+00

ST. LIGHT — P.BOX IRRIGATION — ST. LIGHT — SEW MH — FIRE HYD. — ST. LIGHT — WAT METER — POWR POLE — WAT METER

MATCHLINE STA 21+00 SHEET 2

MATCHLINE STA 27+00 SHEET 4

EX. R/W

REMOVE EXIST TRUFF PER SHEET 9

REMOVE EX. MEDIAN NOSE

REMAINING MEDIAN CURB AND TREES

22+79.50 BEGIN MEDIAN CURB 8.11'± LT JOIN EX. MEDIAN CURB BEGIN CURB TRANSITION

22+80.90 BEGIN MEDIAN CURB 7.78'± RT JOIN EX. MEDIAN CURB BEGIN CURB TRANSITION

ABANDONED 4" WATER LINE

DRIVEWAY

MAIN STREET

25+00.00 END MEDIAN TRANSITION 9.00' LT

25+00.00 END MEDIAN TRANSITION 9.00' RT

REVERSE TAPER WD 12' - 25+30.30 STA. 25+21.30 @ 9.00' RT

REVERSE TAPER WD 12' - 26+21.30 STA. 26+30.30 @ 3.00' LT

BEGIN COLD MILL STA. ± 25+55

115' X 12.5'
257' X 12.5'
164' X 12'
25' X 7'

(N04° 10' 00"E)

1045 977 965 963 1044 1008 992 974 972 930

WAT METER — WAT METER — POWR POLE — P. BOX ELEC — WAT METER — GATE VALVE — POWR POLE — POWR POLE — WAT METER — GATE VALVE — POWR POLE — WAT METER — WAT METER — POWR POLE — GUY WIRE

20 0 20 40 60
SCALE: 1"=20'

CURB DATA			
NO	BEARING/DELTA	RADIUS	LENGTH
2	N05°12'22"E	--	219.11'
3	N04°39'19"E	--	219.11'
4	N04°53'15"E	--	31.30'
5	N04°53'15"E	--	238.50'
6	N04°53'15"E	--	117.19'

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BENCHMARK GPS-51
ELEVATION: 813.657
2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-10 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DES'CNED BY SSS DRAWN BY SSS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER		9-22-09
CONSTRUCTION ADMIN.		9/21/09
SURVEYOR		9/22/09
STREET SERVICES		9-22-09
TRAFFIC ENGINEER		9-22-09
LANDSCAPING		9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/25/09

MAIN STREET RENOVATION FROM COLUMBIA AVENUE TO PLACENTIA AVENUE
STA. 21+00 TO STA. 27+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466
R-4141
SHEET 3 OF 10
FILE NO.

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THIS MEDIAN HAS BEEN ELIMINATED FROM THE PLAN

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

LT MED CURB
CL
RT MED CURB

8" MEDIAN CURB @ 9' LT
8" MEDIAN CURB @ 3' LT
8" MEDIAN CURB @ 9' RT
8" MEDIAN CURB ALONG TAPER
VARIABLE OVERLAY
EX. GRADE @ 9' LT
EX. GRADE @ CL
EX. GRADE @ 9' RT
PROP. FS OF CENTERLINE

LT MEDIAN CURB
CL
RT MEDIAN CURB

ALAMO ST
DRIVEWAY
MAIN STREET
BEGIN R&R STA. # 29+10
MATCHLINE STA 27+00 SHEET 3
MATCHLINE STA 33+00 SHEET 5
N04°10'00"E
22.86' @ 87° MAIN STREET CL
ALAMO STREET CL
N 59°43'W

210' X 25.5'
170' X 12'
557.5' X 12.7'
390' X 11.5'
390' X 11'
60' X 12.3'
121' X 11.4'
140' X 12.4'

REVERSE TAPER W=12' L=60' STA. 28+91.00 @ 3.00' RT
REVERSE TAPER W=12' L=60' STA. 29+82.20 @ 3.00' RT BEGIN REV. TAPER
REVERSE TAPER W=12' L=60' STA. 30+39.30 @ 9.00' RT
REVERSE TAPER W=12' L=60' STA. 30+42.20 @ 9.00' LT END REV. TAPER
REVERSE TAPER W=12' L=60' STA. 30+99.30 @ 3.00' LT END REV. TAPER
REVERSE TAPER W=12' L=60' STA. 31+90.00 @ 3.00' LT
REVERSE TAPER W=12' L=60' STA. 32+50.00 @ 3.00' RT
REVERSE TAPER W=12' L=60' STA. 33+90.00 @ 3.00' LT

SCALE: 1"=20'

CURB DATA			
NO	BEARING/DELTA	RADIUS	LENGTH
7	Δ=180°00'00"	3.00'	9.42'
8	Δ=180°00'00"	3.00'	9.42'
9	N04°52'50"E	---	148.30'
10	N04°52'50"E	---	91.19'
11	N04°52'50"E	---	148.44'
12	N04°52'50"E	---	91.33'
13	Δ=180°00'00"	3.00'	9.42'

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BENCHMARK GPS-51
ELEVATION: 813.657
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ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-10 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	REMOVE MEDIAN FROM PLAN	E.L.	1/6/10

DESIGNED BY SGD DRAWN BY SGD CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER	[illegible]	9-22-09
CONSTRUCTION ADMIN.	[illegible]	9/24/09
SURVEYOR	[illegible]	9/22/09
STREET SERVICES	[illegible]	9.22.09
TRAFFIC ENGINEER	[illegible]	9.22.09
LANDSCAPING	[illegible]	9/24/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/25/09

MAIN STREET RENOVATION FROM COLUMBIA AVENUE TO PLACENTIA AVENUE
STA. 27+00 TO STA. 33+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466
R-4141
SHEET 4 OF 10
FILE NO.

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HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

SCALE: 1"=20'

CURB DATA			
NO	BEARING/DELTA	RADIUS	LENGTH
14	Δ=158°11'55"	4.00'	11.04'
15	N04°52'50"E	--	236.41'
16	N04°52'50"E	--	10.77'
17	N04°52'50"E	--	116.40'
18	Δ=180°00'00"	3.00'	9.42'

Underground Service Alert
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227-2600
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BENCHMARK GPS-51
ELEVATION: 813.657
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ENGINEER IN RESPONSIBLE CHARGE
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DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER
EDWARD LARA
No. 63753
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY BSB DRAWN BY BSB CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER		9-22-09
CONSTRUCTION ADMIN.		9/22/09
SURVEYOR		9/22/09
STREET SERVICES		9-22-09
TRAFFIC ENGINEER		9-22-09
LANDSCAPING		9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/25/09

MAIN STREET RENOVATION FROM COLUMBIA AVENUE TO PLACENTIA AVENUE

STA. 33+00 TO STA. 39+00

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466

R-4141

SHEET 5 OF 10

FILE NO.

G:\Common\Design Projects\08-CO2-Main Street Renovation (Placentia to Columbia)_Design Plans\Transportation\CADD_Sheets\R4141 sht 2-8.dwg, 9/17/2009 6:20:09 PM

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

39+00 SEW M.H. | 40+00 FIRE HYD. / SEW M.H. / POWR POLE | 41+00 | 42+00 POWR POLE | 43+00 ST. LIGHT | FIRE HYD. / G. VALVE | 44+00 SEW M.H. / GATE VALVE | WAT METER / WAT METER / WAT METER | 45+00

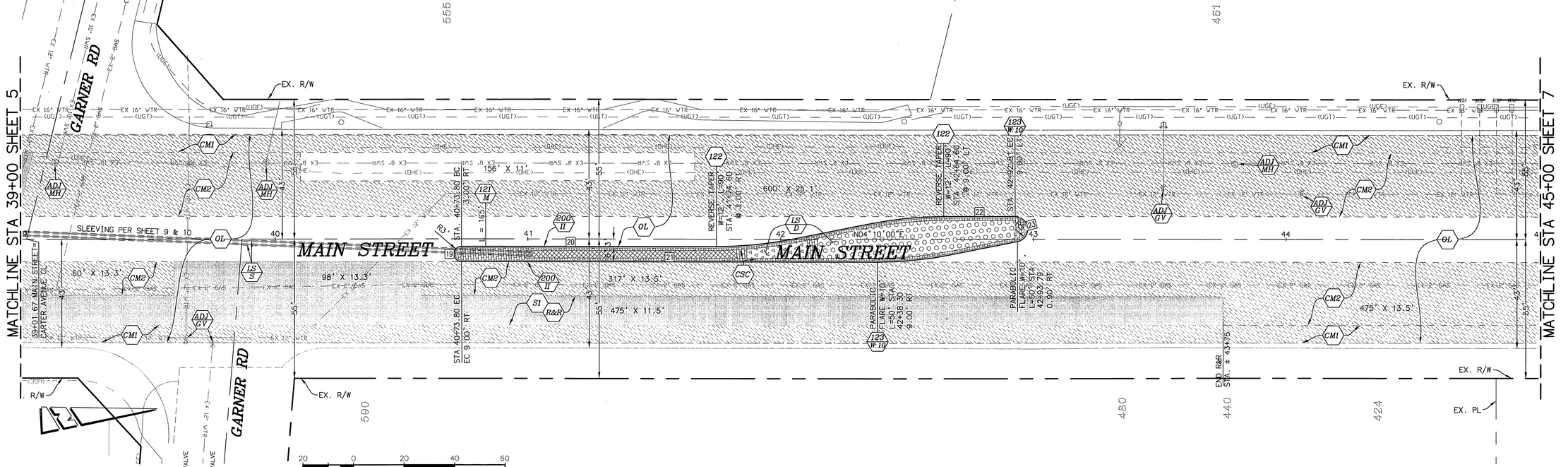
-829- -827- -829- -827- -829- -827-

39+00.00 827.28 FS
39+50.00 827.60 FS
40+00.00 827.87 FS
40+50.00 828.23 FS
40+73.80 BC 828.93 TC
41+00.00 829.10 TC
41+00.00 828.38 FS
41+00.00 828.86 TC
40+73.80 EC 828.73 TC
41+50.00 829.40 TC
41+50.00 828.69 FS
41+50.00 829.06 TC
41+82.10 829.45 TC @ 3.0' RT BEGIN REV. TAPER
42+00.00 829.48 TC @ 0.85 RT
42+04.60 828.81 FS 829.48 TC
42+00.00 829.31 TC
42+50.00 829.56 TC @ 8.29 LT
42+50.00 829.70 FS
42+38.30 829.50 TC @ 9.0' RT BEGIN PAR. FLARE
42+50.00 829.56 TC @ 8.34 RT
42+64.60 829.60 TC @ 9.0' LT END REV. TAPER
42+93.79 BC 829.82 TC @ 9.0' RT END PAR. FLARE
42+92.81 EC 829.69 TC
42+95.81 829.84 TC 829.17 FS
43+50.00 829.45 FS
44+00.00 829.66 FS
44+50.00 829.90 FS
45+00.00 830.03 FS

S =0.63% S =0.54% S =0.72% S =0.30% S =0.62% S =0.22% S =0.48% S =0.31% S =0.52% S =0.42% S =0.48% S =0.26%
S =0.51% S =0.40% S =0.50% S =0.50% S =0.60%

VARIABLE OVERLAY
VARIABLE OVERLAY
PROP. FS OF CENTERLINE
8" MEDIAN CURB @ 9' RT
EX. GRADE @ 9' RT
8" MEDIAN CURB ALONG TAPER
EX. GRADE @ 9' LT
EX. GRADE @ CL
8" MEDIAN CURB @ 9' LT
JOIN PROPOSED VARIABLE OVERLAY
JOIN PROPOSED VARIABLE OVERLAY

-830- LT MEDIAN CURB
-828-
-830- CL
-828-
-830- RT MEDIAN CURB
-828-



CURB DATA			
NO	BEARING/DELTA	RADIUS	LENGTH
19	Δ=180°00'00"	3.00'	9.42'
20	N04°52'50"E	--	100.81'
21	N04°52'50"E	--	164.51'
22	N04°52'50"E	--	28.21'
23	Δ=168°41'31"	5.00'	14.72'

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

BENCHMARK GPS-51
ELEVATION: 813.657
2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COLUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER — EDWARD LARA — No. 63753 Exp. 9-30-10 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SGS DRAWN BY SGS CHECKED BY EL

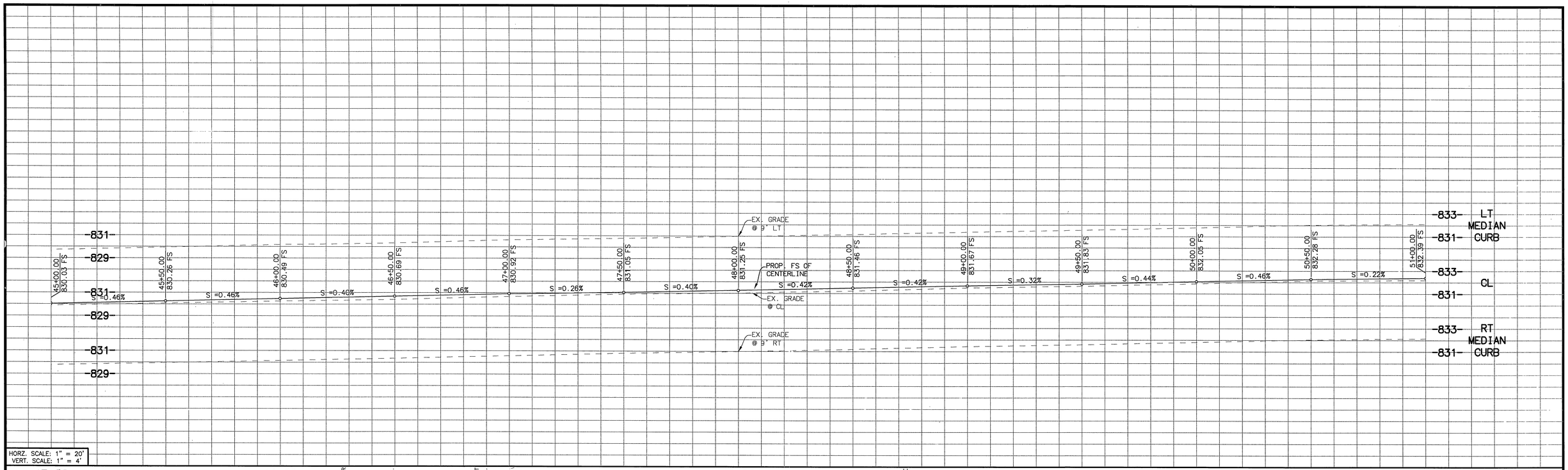
APPROVED BY	BY	DATE
ENGINEERING MANAGER		9-22-09
CONSTRUCTION ADMIN.		9/22/09
SURVEYOR		9/22/09
STREET SERVICES		9-22-09
TRAFFIC ENGINEER		9-22-09
LANDSCAPING		9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/25/09

MAIN STREET RENOVATION
FROM COLUMBIA AVENUE TO PLACENTIA AVENUE
STA. 39+00 TO STA. 45+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466
R-4141
SHEET 6 OF 10
FILE NO.

G:\Sammon\Design Projects\08-033-Main Street Renovation (Placentia to Columbia)_Design Plans\Transportation\CADD_Sheets\R4141 sht 2-8.dwg, 9/17/2009 6:19:51 PM



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227–2600
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK GPS–51
ELEVATION: 813.657
2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER
EDWARD LARA
No. 63753
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SGS DRAWN BY SGS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER	MK	9/25/09
CONSTRUCTION ADMIN.	AB	9/21/09
SURVEYOR	CS	9/22/09
STREET SERVICES	JGB	9.22.09
TRAFFIC ENGINEER	EL	9.22.09
LANDSCAPING	JS	9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 9/25/09

MAIN STREET RENOVATION
FROM COLUMBIA AVENUE TO PLACENTIA AVENUE
STA. 45+00 TO STA. 51+00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. – 0903470
DESIGN W.O. NO. – 0903466
R–4141
SHEET 7 OF 10
FILE NO.

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HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

51+00 52+00 53+00 54+00 55+00 56+00 57+00

FIRE HYD. G. VALVE

FIRE HYD. G. VALVE

-836- LT MEDIAN CURB
-834-
-836- CL
-834-
-836- RT MEDIAN CURB
-834-

-834-
-832-
-834-
-832-
-834-
-832-

51+00.00 832.39 FS
51+50.00 832.64 FS
52+00.00 832.83 FS
52+50.00 833.13 FS
53+00.00 833.42 FS
53+50.00 833.72 FS
54+00.00 834.01 FS
54+50.00 834.31 FS
55+00.00 834.60 FS
55+50.00 834.89 FS
56+00.00 834.89 FS

S =0.50%
S =0.38%
S =0.59%
S =0.18%
S =0.00%

52+00.00 831.96 FS 831.85 FS
52+50.00 832.22 FS 832.15 FS
53+00.00 832.51 FS 832.45 FS
53+50.00 832.81 FS 832.75 FS
54+00.00 833.46 FS 833.05 FS
54+50.00 833.46 FS 833.35 FS
55+00.00 832.71 FS 832.65 FS
55+04.00 833.74 FS 833.67 FS

0.60%
S =0.52%
0.60%
S =0.56%
0.60%
S =0.56%
0.60%
S =0.63%

PROP. FS @ 35' LT

EX. GRADE @ 9' LT
PROP. FS OF CENTERLINE
EX. GRADE @ CL
EX. GRADE @ 9' RT
834.01 FS

1

1

EX. PL
EX. R/W
51+20 BEGIN AC R&R NEXT TO GUTTER
201
51+98.00 BEGIN SLAB TRASITION PER CALTRANS P30
52+00.00 BEGIN WIM SLAB
WIM
REM
200
T6
CURB & GUTTER NEXT TO WIM SLAB POUR MONOLITHICALLY
463 WATER LATERAL
SLT
53+00.50
NEW WATER LINE BY CITY FORCES PRIOR TO CONSTRUCTION OF THIS PROJECT
121
REM
200
T6
CURB & GUTTER NEXT TO WIM SLAB POUR MONOLITHICALLY
WIM
55+04.00 END WIM SLAB
55+06.00 END SLAB TRASITION PER CALTRANS P30
EX. R/W
55+65 ± END AC R&R NEXT TO GUTTER
WR WATER LATERAL
WR WATER MAIN
WR
56+42.83 END FENCE FOR NEW WATER MAIN
CITY LIMIT
MATCHLINE STA 51+00 SHEET 7
CM1
CM2
S1
R&R
OL
ADJ GV
ADJ MH
100' X 25'
516' X 25'
112' X 25'
20' X 18'
82' X 20'
MAIN STREET
PLACENTIA LANE
END R&R
SEW. M.H.
SEW. 21.43
EX. 18" SWR
EX. 12" WTR
EX. 16" WTR
EX. 2" GAS
(UGT)
(OHP)
(UGE)
190

20 0 20 40 60
SCALE: 1"=20'

Superseded

Underground Service Alert
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BENCHMARK GPS-51

ELEVATION: 813.657

2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CA" ME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COLUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE
Edward Lara
EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-10 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
2	THIS SHEET IS REPLACED BY 8A of 10	EL	11/5/09
1	C&G, ELEVATIONS, SLOPE	EL	11/5/09

DESIGNED BY SGS DRAWN BY SGS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER	[illegible]	9/22/09
CONSTRUCTION ADMIN.	KS	9/22/09
SURVEYOR	DS	9/22/09
STREET SERVICES	[illegible]	9.22.09
TRAFFIC ENGINEER	[illegible]	9.22.09
LANDSCAPING	DS	9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 11/25/09

MAIN STREET RENOVATION FROM COLUMBIA AVENUE TO PLACENTIA AVENUE

STA. 51+00 TO STA. 56+36

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

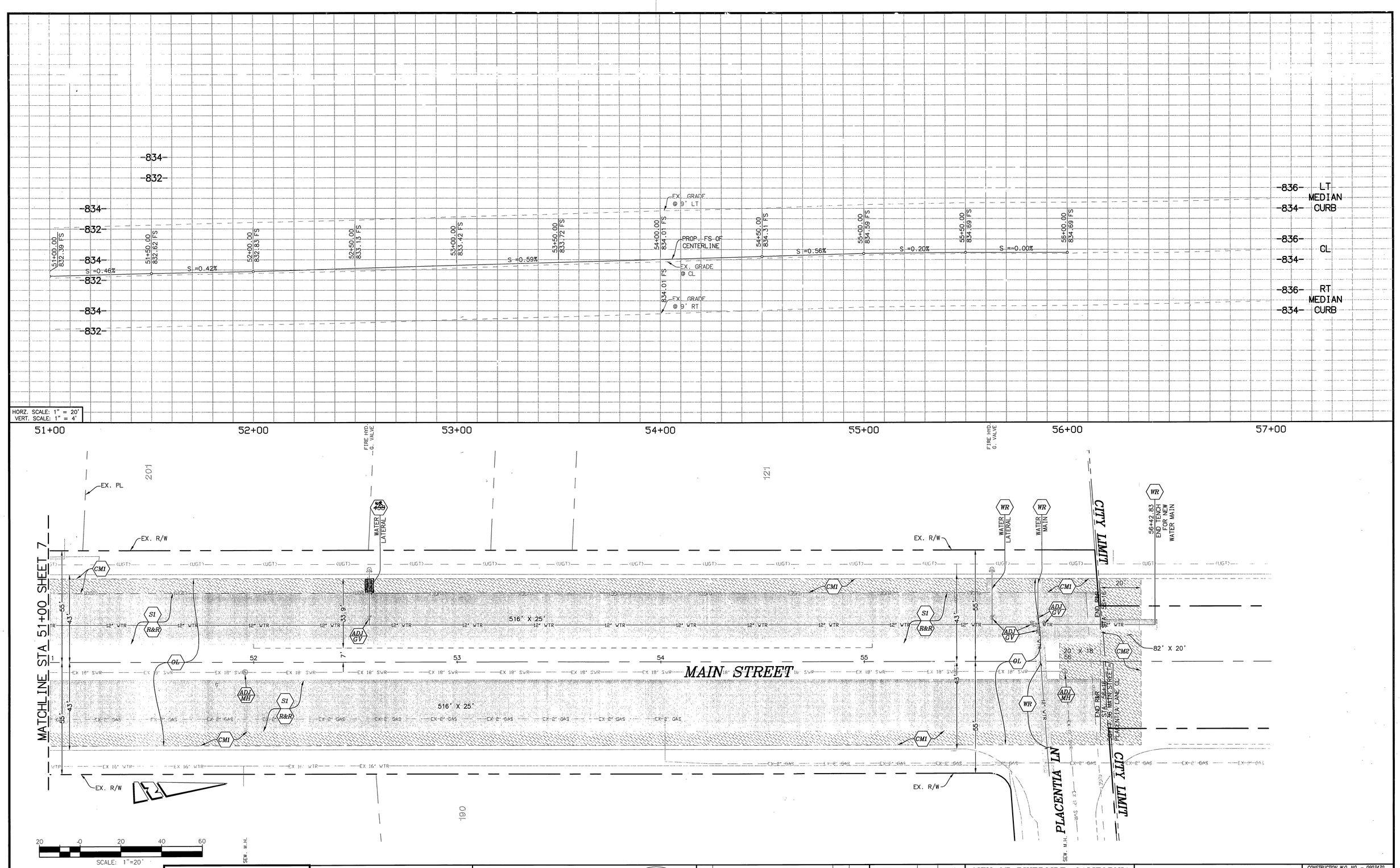
CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466

PR-4141

SHEET 8 OF 10

FILE NO.

G:\Common\Design Projects\08-003-Main Street Renovation (Placentia to Columbia)_Design Plans\Transportation\CADD_Sheets\#4141 sht 2-8.dwg, 9/22/2009 6:39:34 PM



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BENCHMARK GPS-51

ELEVATION: 813.657

2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE

Edward Lara

EDWARD LARA
R.C.E. No. 63753 expires 9/30/10

DATE 1/25/2010

REGISTERED PROFESSIONAL ENGINEER
EDWARD LARA
No. 63753
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
2	WIM SLAB REMOVED THIS SHEET SUPERSEDES SHEET 8 OF 10	E.L.	1/25/10

DESIGNED BY SGS DRAWN BY SGS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER		
CONSTRUCTION ADMIN.		
SURVEYOR		
STREET SERVICES		
TRAFFIC ENGINEER		
LANDSCAPING		

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY
APPROVED PER SHEET 8 OF 10
CITY ENGINEER

DATE

MAIN STREET RENOVATION FROM COLUMBIA AVENUE TO PLACENTIA AVENUE

STA. 51+00 TO STA. 56+36

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466

R-4141

SHEET 8A OF 10

FILE NO.

GENERAL NOTES FOR PUBLIC LANDSCAPES:

1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS FOR PLANTING AND IRRIGATION WORK. (SECTION 02441 AND 02483).
2. A "PUBLIC LANDSCAPE" PERMIT, AS ISSUED BY THE PUBLIC WORKS DEPARTMENT IS REQUIRED. CONTACT THE PUBLIC WORKS LANDSCAPE INSPECTOR AT (951) 351-6313 TO SCHEDULE A PRE-CONSTRUCTION MEETING AND TO OBTAIN THE PERMIT.
3. WHEN CALLING FOR INSPECTIONS CONTACT THE PUBLIC WORKS LANDSCAPE INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION. A WRITTEN APPROVAL WILL BE PROVIDED ON THE PUBLIC LANDSCAPE PERMIT CARD FOR EACH STAGE OF INSPECTION. A VERBAL APPROVAL WILL NOT BE ACCEPTABLE. INSPECTIONS ARE REQUIRED PER THE STANDARD SPECIFICATIONS, AND INCLUDE BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:
   a. AFTER COMPLETION OF FINAL GRADING AND WHEN ALL UTILITY SERVICES HAVE BEEN MARKED, BUT PRIOR TO INITIATING ANY LANDSCAPE WORK WITHIN THE PUBLIC RIGHT OF WAY.
   b. AT TIME OF INSTALLATION OF IRRIGATION SLEEVES AND CONSTANT PRESSURE MAINLINES, BUT PRIOR TO BACKFILL OF TRENCHES (NOTE: MAINLINES MUST BE PRESSURE TESTED IN THE PRESENCE OF PUBLIC WORKS LANDSCAPE INSPECTOR.
   c. AT TIME OF INSTALLATION OF IRRIGATION VALVES, LATERALS AND HEADS;
   d. FOR SPOTTING OF ALL TREES PRIOR TO DIGGING PLANTING PITS;
   e. WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES;
   f. AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED, FOR START OF MAINTENANCE;
   g. AT SUBSTANTIAL COMPLETION OF THE PROJECT FOR CITY'S ACCEPTANCE TO START THE REQUIRED MAINTENANCE PERIOD;
   h. AT THE END OF MAINTENANCE PERIOD, THE CONTRACTOR SHALL CALL THE PUBLIC WORKS LANDSCAPE INSPECTOR AT THE NUMBER LISTED ABOVE FOR A FINAL ACCEPTANCE INSPECTION IN ORDER TO BE RELEASED FROM MAINTENANCE. CONTRACTOR'S BOND WILL NOT BE RELEASED UNTIL AFTER CITY'S ISSUANCE OF WRITTEN NOTIFICATION THAT THE PROJECT HAS PASSED FINAL INSPECTION AND THE PUBLIC WORKS DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES.
4. THE CONTRACTOR SHALL BE REPONSIBLE TO ACCEPTABLY MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD AS SPECIFIED IN THE BID DOCUMENTS.
5. CONTRACTOR SHALL KEEP EXISTING IRRIGATION SYSTEMS OPERATIONAL AND SHALL BE RESPONSIBLE FOR REPLACING ANY DEAD PLANTS AND TREES AT THE CONTRACTOR'S EXPENSE.

POINT OF CONNECTION ELECTRIC NOTES

1. SIX WEEKS IN ADVANCE OF REQUIRING POWER TO THE IRRIGATION CONTROLLER BOX, THE CONTRACTOR SHALL REQUEST THE PUBLIC UTILITIES DEPARTMENT, ELECTRIC DIVISION TO ENERGIZE A HARD WIRED CONNECTION (NO ELECTRIC METER IS REQUIRED AT THIS LOCATION) AT THE CONTROLLER BOX. RPUD'S COST FOR THE WORK SHALL BE CHARGED TO THE WORK ORDER NUMBER SHOWN AT THE BOTTOM RIGHT HAND CORNER OF THE LANDSCAPE DETAILS PLAN.
2. ALL FACILITIES INSTALLED BY THE CONTRACTOR SHALL BE INSPECTED AND APPROVED BY THE UTILITIES DEPT. CONSTRUCTION INSPECTOR (PH. ANY CHANGES SHALL BE APPROVED BY THE UTILITIES DEPT. PRIOR TO EXECUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PHASES OF CONSTRUCTION WITH THE UTILITIES DEPT. CONSTRUCTION INSPECTOR AND CONSTRUCTION SUPERINTENDENT (PH. 826-2415).
3. ALL IRRIGATION CONTROLLER FEED POINTS TO BE CONNECTED BY PUBLIC UTILITIES DEPT. AND ENERGIZED WHEN CLEARED BY UTILITIES DEPT. INSPECTOR.
4. ALL WIRE TO BE #8 CU. THW OR AS SHOWN ON THE PLANS.
5. CONDUIT AND FITTINGS TO BE IN CONFORMANCE WITH UGS-100. BACKFILL TO BE TYPE AND COMPACTED AS SPECIFIED IN UGS-100.1.
6. PROVIDE RELEASE LETTER AUTHORIZING ENERGIZATION, SIGNED BY RESPONSIBLE PERSON IN CHARGE. OBTAIN FORM LETTER FROM UTILITY INSPECTOR.

P.O.C. DATA WATER SERVICE
METER SIZE: 2 INCHES (MAXIMUM)
SERVICE ADDRESS: ----
ELEVATION: ____
PRESSURE ZONE: xxxx ZONE
STATIC PRESSURE: 90 P.S.I.
SERVED AREA: HIGHEST ELEV. ----
LOWEST ELEV. ----
**MAX. GPM DEMAND: G.P.M.
**METER NO.:

P.O.C. DATA ELECTRICAL SERVICE
METER SIZE: NON-METERED SERVICE (120V/240V)
SERVICE ADDRESS: ----
VOLTAGE: SINGLE PHASE

NOTE: CONNECTING TO NEAREST POWER POLE. SUBJECT TO REVIEW AND APPROVAL OF P.U.E. DIVISION.

** : INFORMATION PROVIDED BY CONTRACTOR AS "AS-BUILT" INFORMATION.

IRRIGATION CONSTRUCTION LEGEND:

(S) INSTALL 1" DIA. P.V.C. GREY SCH. 40 SLEEVING, EXTENDING 1' INTO PLANTING AREA OF MEDIAN WITH A MINIMUM OF 24" COVER, TERMINATING IN BROOKS #3 PULLBOX OR CITY APPROVED EQUAL W/TRAFFIC COVER, AT EACH END, FOR IRRIGATION CONTROL WIRES. INSTALL 3" DIA. P.V.C. CLASS 315 SCH. 40 SLEEVING WITH SOLVENT WELD, EXTENDING 1' INTO PLANTING AREA OF MEDIAN, 24" COVER, FOR IRRIGATION SUPPLY LINE. BOTH ARE SEPARATE SLEEVES INSTALL PER DETAIL 2003 (APPROXIMATE LENGTH 782')

(IC) SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR AUTOMATIC IRRIGATION CONTROLLER. CONTROLLER SHALL BE "CALSENSE" APPROVED BY THE CITY.

(BF) INSTALL BACKFLOW DEVICE BETWEEN SIDEWALK AND BACK OF CURB WITH ENCLOSURE PER LANDSCAPE DETAIL NUMBER 2002.

(E) SEE IRRIGATION SYSTEM DESIGN CRITERIA NOTE FOR ELECTRIC SERVICE.

(LS) IRRIGATION SHALL BE PROVIDE TO ALL LANDSCAPED AREAS INDICATED ON THE PLANS OR ASSOCIATED WITH ANY OF THE DETAILS SHOWN HEREON AND PROVIDE ADEQUATE COVERAGE.

IRRIGATION CONSTRUCTION NOTES:

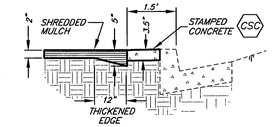
1. ALL IRRIGATION LINES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN SCH. 40 P.V.C. SLEEVES. MINIMUM SLEEVE SIZE SHALL BE TWICE THE DIAMETER OF THE IRRIGATION PIPE SIZE.
2. ALL IRRIGATION CONTROL WIRES TO BE INSTALLED UNDER HARDSCAPE AREAS SHALL BE INSTALLED IN A MINIMUM OF 1" SCH. 40 P.V.C. SLEEVE.
3. ALL IRRIGATION VALVES, BALL VALVES, QUICK COUPLERS AND BOXES ARE TO BE LOCATED IN PLANTING AREAS.
4. BACKFLOW PREVENTER AND PRESSURE REGULATOR ARE REQUIRED.

PLANTING NOTES:

1. CONTRACTOR SHALL CALL THE ENGINEER'S ATTENTION TO SITE CONDITIONS WHICH PREVENT HIS INSTALLATION PER PLAN IN A REASONABLE MANNER.
2. REPLACEMENT OF DAMAGED OR DESTROYED PLANTINGS SHALL TAKE PLACE WITHIN 48 HOURS OF NOTIFICATION BY THE ENGINEER, OR SAID REPLACEMENT ITEMS SHALL BE DEDUCTED FROM THE CONTRACTOR'S FINAL BILLING.
3. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATE OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PLANT MATERIAL.
5. TREES SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE HAS BEEN APPROVED.
6. PLACE TREES BETWEEN SPRAY HEADS WHEREVER POSSIBLE.
7. A SITE SHALL BE PRE-SELECTED BY THE ENGINEER FOR PLANT DELIVERY AND APPROVAL, FOR MIXING OF BACKFILL.
8. CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE CITY'S REPRESENTATIVE.
9. MAINTENANCE PERIOD SHALL BE A MINIMUM OF ONE YEAR (365) CONSECUTIVE CALENDER DAYS FOR STREET TREES AND PLANTS FROM DATE OF ACCEPTANCE. MAINTENANCE SHALL INCLUDE BI-WEEKLY WEED AND RODENT ABATEMENT PROCEDURES INCLUDING FOLIAR APPLICATION OF CHELATED IRON AND TRACE MINERALS 90 DAYS APART.

PLANTING LEGEND DETAILS A, B, C, & D

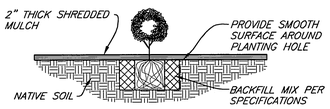
ITEM/LEGEND	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	QUANTITY
GP		Geijera Parviflora		24" Box	Tree Spacing @ 25' o.c. Min. 5' from median curb face	~~8~~ 6
LI		Lagerstroemia indica	Pink	24" Box	Min. Tree Spacing @ 10' o.c. Min. 4.5' from median curb face	~~21~~ 19
CC		Cercis Canadensis	Forest Pansy	24" Box	Min. Tree Spacing @ 25' o.c. Min. 5' from median curb face	5
ND		Nandina domestica	Gulf Stream	5 Gallon	Triangular Spaced @ 3' o.c.	~~262~~ 200
SD		Starburst daylily		1 Gallon	Triangular Spaced @ 2' o.c.	~~838~~ 1285
PT		Phormium tenax	Jack Spratt	5 Gallon	Triangular Spaced @ 3' o.c.	~~501~~ 605
CSC		Colored Stamped Concrete				~~2,613~~ 4227 S.F.



NOTE: MULCH TO BE UNIFORMLY APPLIED THROUGHOUT THE SHRUB AREAS EXCEPT WITHIN TREE BASINS.

SHREDDED MULCH IN PLANT BED

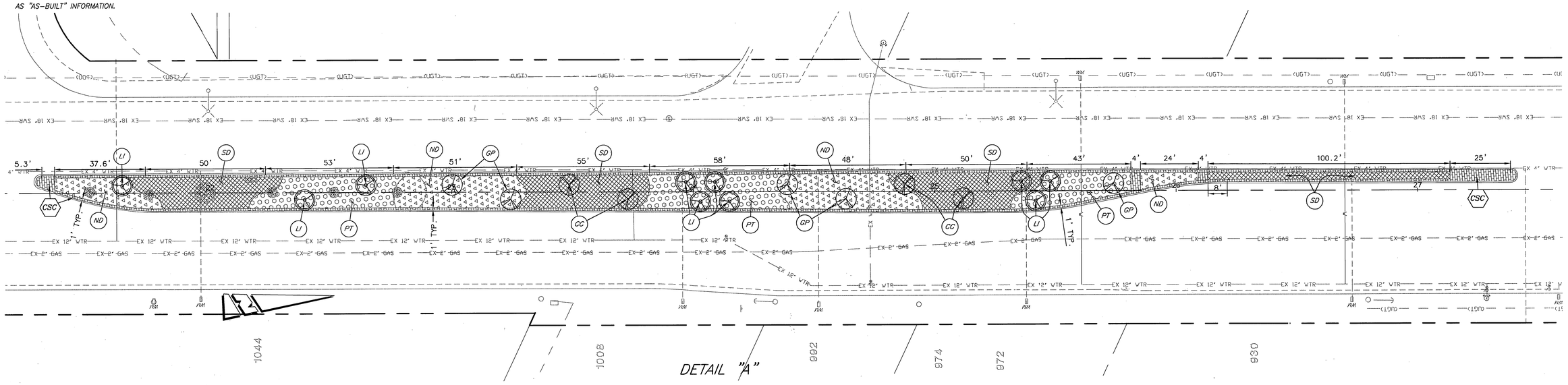
NTS



MODIFIED DETAIL 1004 SURFACE FINISH

NTS

NOTES: 4. UNTANGLE MATTED ROOTS BY LOOSENING ALL ROOTS AT EDGE OF ROOT BALL WITH WATER FROM HOSE. DO NOT CRACK ROOT BALL.



DETAIL "A"

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

BENCHMARK GPS-51

ELEVATION: 813.657

2 1/2 " BRASS DISK STAMPED " CITY OF RIVERSIDE GPS STATION 51 1991 CADME" S SET IN THE TOP OF A CATCH BASIN ALONG THE NORTHERLY CURB OF COLUMBIA AVENUE, 4 FEET EAST OF THE BCR OF THE NORTHEAST OF MAIN STREET AT COLUMBIA AVENUE.

ENGINEER IN RESPONSIBLE CHARGE

Edward Lara

EDWARD LARA

R.C.E. No. 63753 expires 9/30/10

DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER EDWARD LARA No. 63753 Exp. 9-30-10 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	QUANTITIES W/ 1 MEDIAN REMOVED EL		1.5.10

DESIGNED BY SSS DRAWN BY SSS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER		9/22/09
CONSTRUCTION ADMIN.		9/22/09
SURVEYOR		9/22/09
STREET SERVICES		9.22.09
TRAFFIC ENGINEER		9.22.09
LANDSCAPING		9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY

CITY ENGINEER

DATE 9/25/09

MAIN STREET RENOVATION FROM COLUMBIA AVENUE TO PLACENTIA AVENUE

MEDIAN LANDSCAPE

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466

R-4141

SHEET 9 OF 10

FILE NO.

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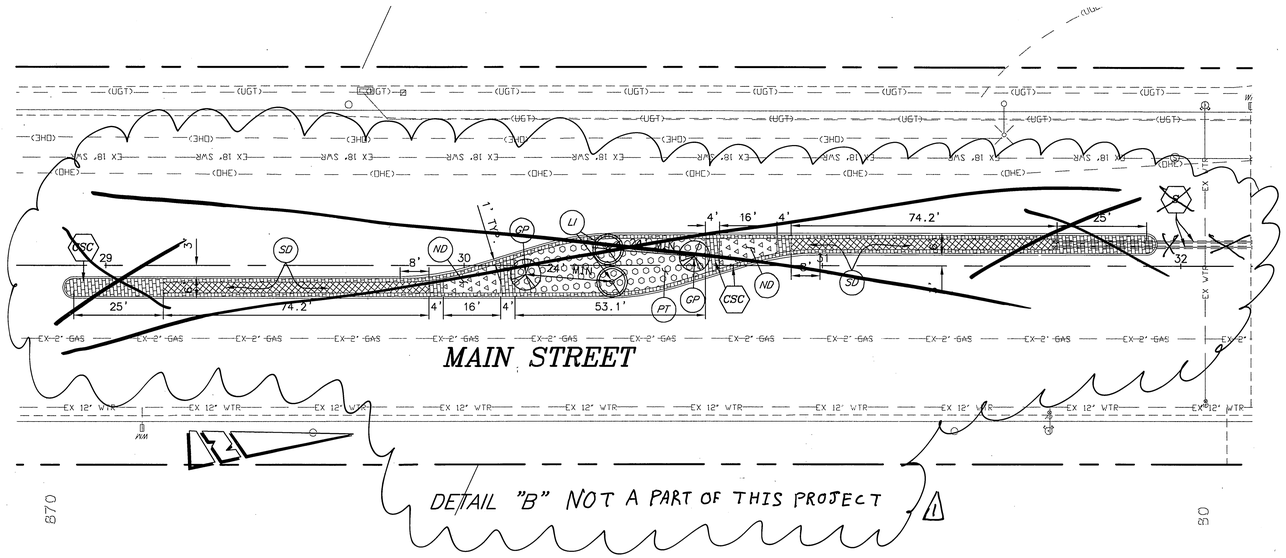

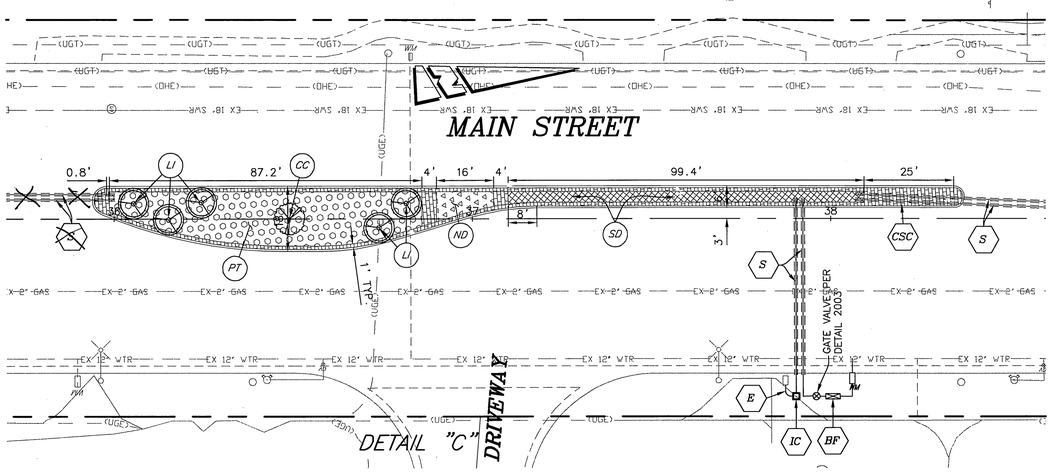

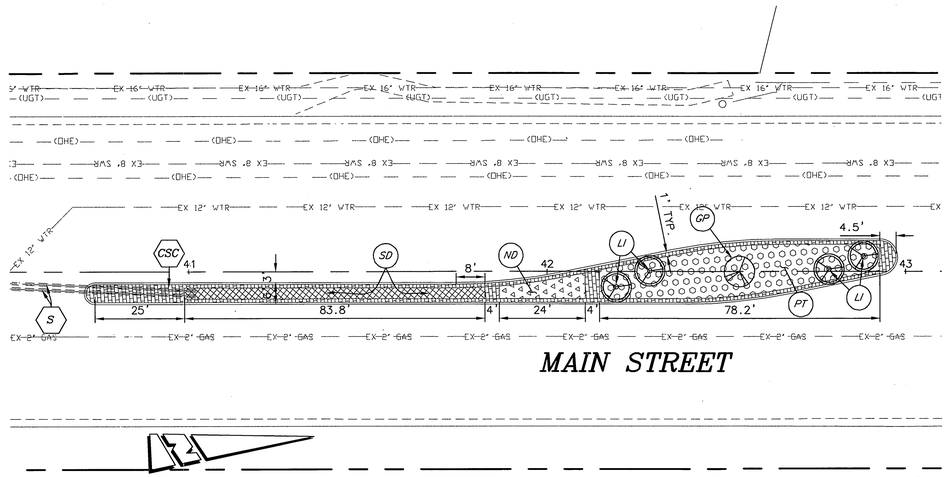

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ENGINEER IN RESPONSIBLE CHARGE

EDWARD LARA
R.C.E. No. 63753 expires 9/30/10
DATE September 17, 2009

REGISTERED PROFESSIONAL ENGINEER
EDWARD LARA
No. 63753
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	MEDIAN IN DETAIL "B" REMOVED	CL	11/5/10

DESIGNED BY SGS DRAWN BY SGS CHECKED BY EL

APPROVED BY	BY	DATE
ENGINEERING MANAGER	[illegible]	9/25/09
CONSTRUCTION ADMIN.	RS	9/22/09
SURVEYOR	CS	9/22/09
STREET SERVICES	[illegible]	9-22-09
TRAFFIC ENGINEER	[illegible]	9-22-09
LANDSCAPING	[illegible]	9/22/09

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED [illegible]
CITY ENGINEER
DATE 9/25/09

MAIN STREET
RENOVATION
FROM COLUMBIA AVENUE
TO PLACENTIA AVENUE
MEDAIN LANDSCAPE

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

CONSTRUCTION W.O. NO. - 0903470
DESIGN W.O. NO. - 0903466

R-4141

SHEET 10 OF 10

FILE NO.

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