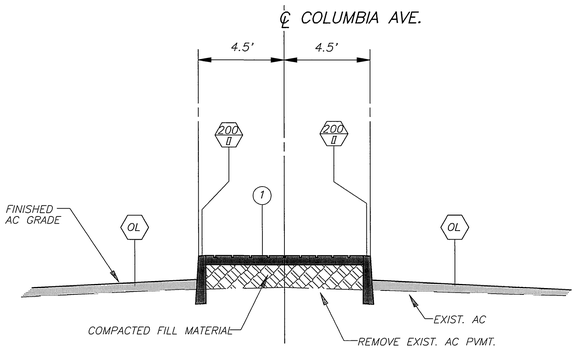
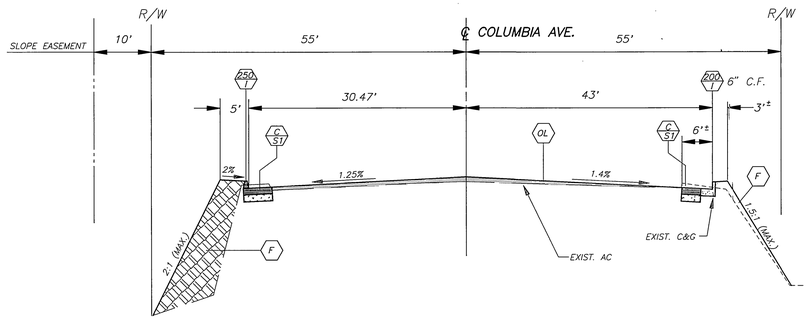


TYPICAL MEDIAN SECTION

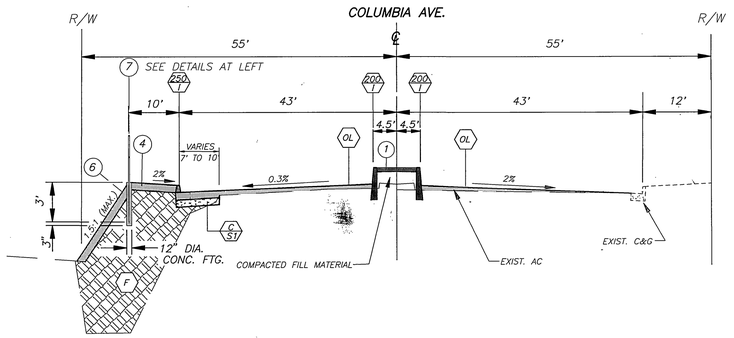
N.T.S.

STA. 19+50 TO 20+13
STA. 20+84 TO 21+55



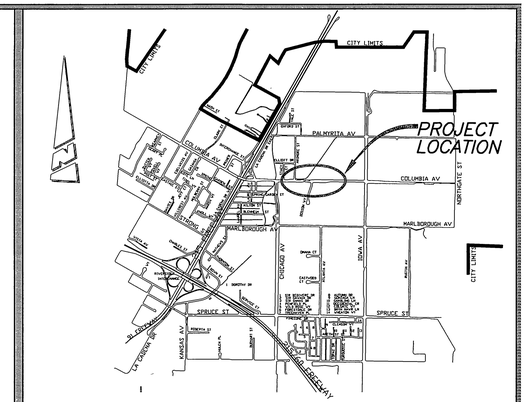
CROSS SECTION AT STA. 19+25

N.T.S.



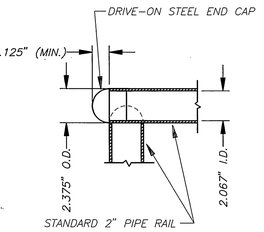
CROSS SECTION AT STA. 21+25

N.T.S.



LOCATION MAP

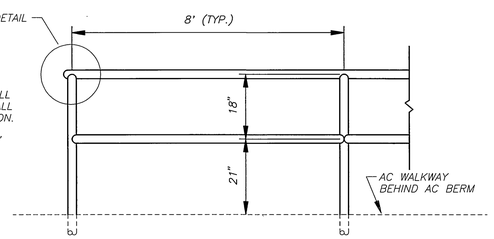
N.T.S



RAIL END CAP DETAIL

NOTES:

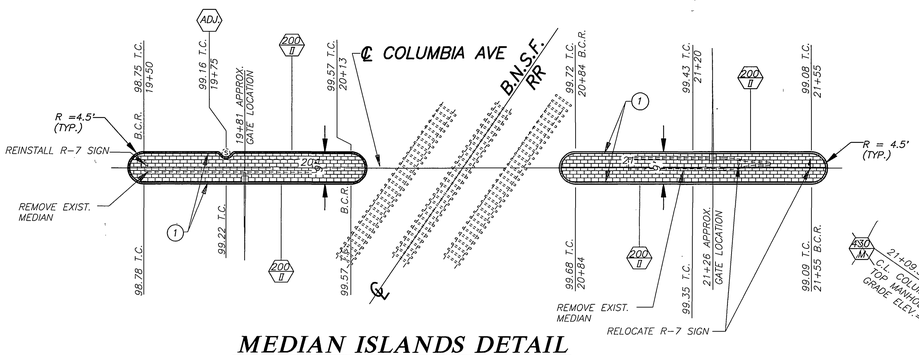
1. COMPLETED STEEL PIPE HAND RAILING UNIT SHALL BE GALVANIZED AFTER ALL WELDING AND FABRICATION.
2. HAND RAIL SHALL BE 2" STANDARD STEEL PIPE.



PIPE HAND RAIL ELEVATION

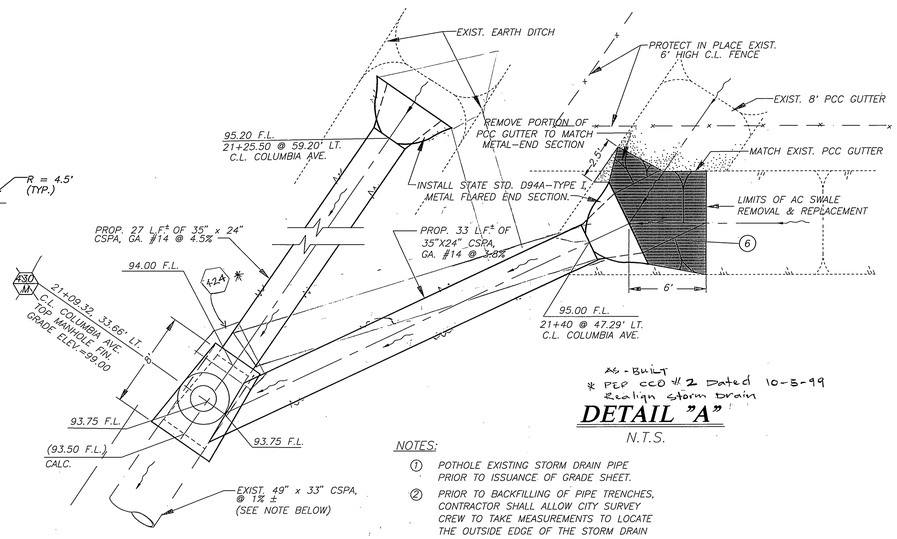
PIPE HAND RAIL DETAILS

N.T.S.



MEDIAN ISLANDS DETAIL

N.T.S.



As-Built
* PIP CCD # 2 Dated 10-5-99
Realign storm drain

DETAIL "A"

N.T.S.

NOTES:

1. POTHOLE EXISTING STORM DRAIN PIPE PRIOR TO ISSUANCE OF GRADE SHEET.
2. PRIOR TO BACKFILLING OF PIPE TRENCHES, CONTRACTOR SHALL ALLOW CITY SURVEY CREW TO TAKE MEASUREMENTS TO LOCATE THE OUTSIDE EDGE OF THE STORM DRAIN PIPE SUCH THAT THE PIPE EDGE IS MARKED ACCURATELY ON THE GROUND TO AVOID CONFLICT DURING INSTALLATION OF BNSF RR SIGNAL FOUNDATION.

GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1997 EDITION.
2. EXISTING UTILITIES SHOWN ON THE 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.
3. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
4. CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER, UNLESS OTHERWISE NOTED.

SPECIFIC CONSTRUCTION NOTES:

1. CONSTRUCT STAMPED CONCRETE PAVEMENT IN MEDIAN ISLANDS (ADOBE TAN A-21 INTEGRAL COLOR PER SECTION 303-6.3.2 OF THE STD. SPEC., METHOD B, USE A 12" x 12" TILE PATTERN).
2. CONSTRUCT RAMP WITH CRUSHED ROCK OR GRAVEL (3" THICK MIN.) AS SHOWN ON PLAN. MAX. SLOPE AT 12%.
3. GRADE DIRT FILL MATERIAL AS DIRECTED BY ENGINEER.
4. CONSTRUCT 3" THICK AC WALKWAY OVER COMPACTED NATIVE MATERIAL.
5. SPRINT SIGN TO BE RELOCATED BY SPRINT.
6. CONSTRUCT 3" THICK AC SLOPE OVER COMPACTED NATIVE MATERIAL. AT STA. 21+40, 47' LT OF CENTERLINE OF COLUMBIA AVE. REMOVE PORTION OF EXISTING PCC CROSS-GUTTER TO ACCOMMODATE METAL FLARED END SECTION AND PROVIDE AC SLOPE AS REQUIRED.
7. INSTALL 36 L.F. OF PIPE HAND RAIL AS SHOWN ON PLAN AND CROSS SECTION AT STA. 21+25. BEGIN HAND RAIL AT STA. 21+19 AND END AT STA. 21+50 ± CONCRETE FOOTING FOR PIPE HAND RAIL SHALL CLEAR EDGE OF PROPOSED STORM DRAIN PIPE.

CONSTRUCTION LEGEND:

- ⬢ 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. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- C S1 — CONSTRUCT STRUCTRAL SECTION OF 0.45' AC OVER 0.50' CAB OR 0.75' AC OVER COMPACTED NATIVE MATERIAL.
- R S1 — REMOVE & REPLACE EXISTING STRUCTURAL SECTION WITH 0.45' AC OVER 0.50' CAB OR 0.75' AC OVER COMPACTED NATIVE MATERIAL.
- F — GRADE AREA BEHIND AC BERM AS SHOWN ON THE PLAN & TYPICAL SECTION. MATERIALS WITH R-VALUE EQUAL TO 65 (MIN.) SHALL BE USED IN FILL.
- OL — OVERLAY EXISTING PAVEMENT WITH VARIABLE THICKNESS AC (0.08' MIN.)
- CM — COLD MILL EXISTING A.C. SURFACING (0.08' MIN.) AND OVERLAY WITH VARIABLE THICKNESS A.C..
- ADJ — ADJUST SEWER MANHOLE COVER TO GRADE.
- GV — ADJUST GATE VALVE BOX COVER TO GRADE.
- RR — B.N.S.F. RAILROAD TO CONSTRUCT OR RELOCATE.
- PIP — PROTECT IN PLACE
- 430 M — CONSTRUCT STORM DRAIN MANHOLE PER DETAIL M, STD. 430 AND AS SHOWN ON PLAN
- 302 M — CONSTRUCT MODIFIED DRIVEWAY APPROACH AS SHOWN ON THE PLAN. DRIVEWAY APPROACH SHALL BE CONSTRUCTED WITH A DEPRESSED CURB OR AC BERM AND 6" THICK SURFACING. DEPRESS BACK OF DRIVEWAY APPROACH AS INDICATED ON THE PLAN.

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

REGISTERED PROFESSIONAL ENGINEER — MICHAEL KATUSIAN — No. 36686 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
Michael Katusian
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/00
DATE 5/13/98

MARK	REVISIONS	APPR.	DATE

DESIGNED BY CSS DRAWN BY LFH; CCD CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

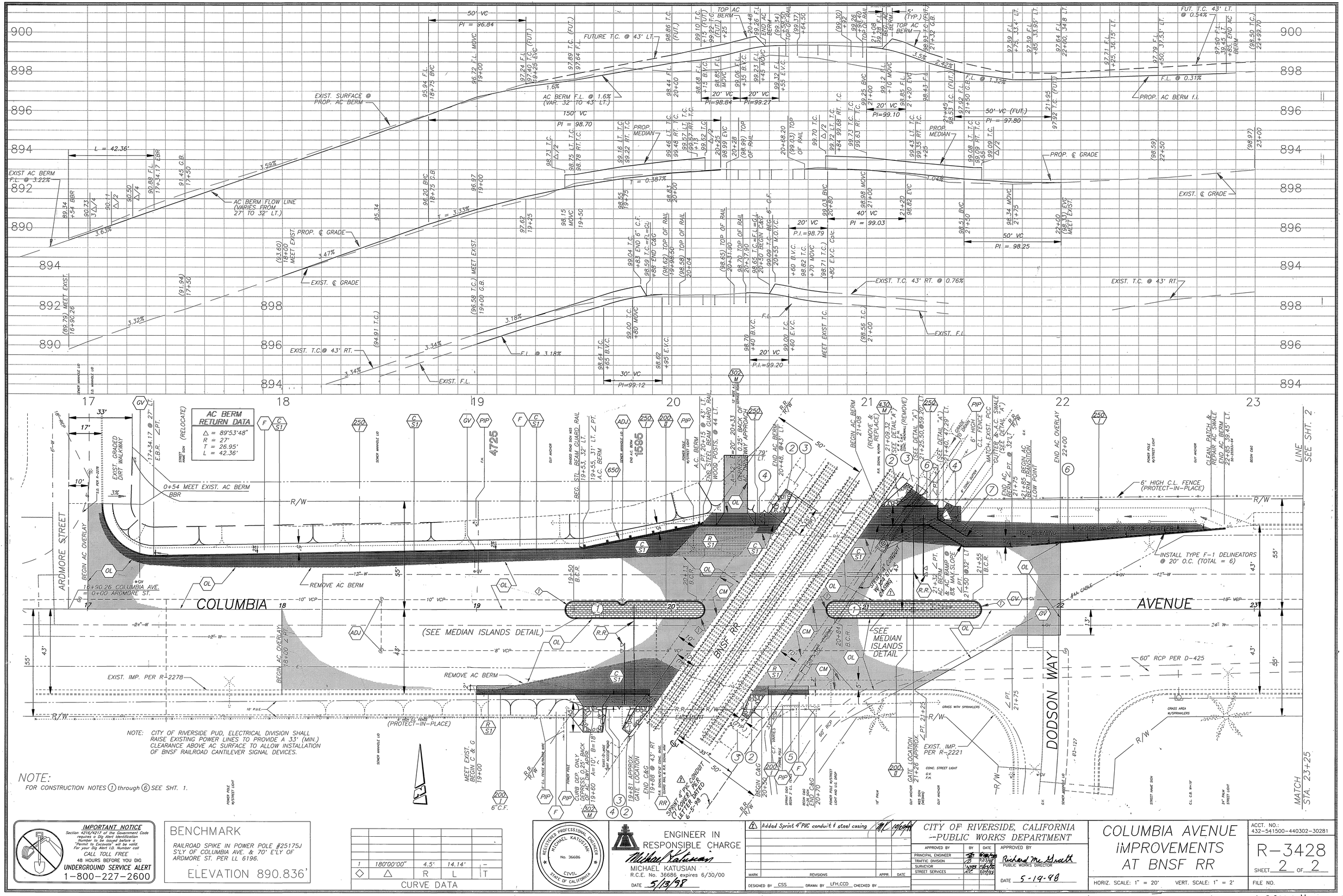
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		5/19/98
TRAFFIC DIVISION		5/19/98
SURVEYOR		5/18/98
STREET SERVICES		5/19/98

APPROVED BY
Richard McGrath
PUBLIC WORKS DIRECTOR
DATE 5-19-98

COLUMBIA AVENUE IMPROVEMENTS AT BNSF RR

ACCT. NO.: 432-541500-440302-30281
R-3428
SHEET 1 OF 2
HORIZ. SCALE: VERT. SCALE: FILE NO.

INDEXED 6-2-98 LH


AC BERM RETURN DATA
Δ = 89°53'48"
R = 27'
T = 26.95'
L = 42.36'
(RELOCATE)
0+54 MEET EXIST. AC BERM BBR
BEGIN AC OVERLAY
16+90.26 COLUMBIA AVE. = 0+00 ARDMORE ST.
ARDMORE STREET
COLUMBIA
AVENUE
DODSON WAY
REMOVE AC BERM
(SEE MEDIAN ISLANDS DETAIL)
SEE MEDIAN ISLANDS DETAIL
BNSF RR
EXIST. IMP. PER R-2278
EXIST. IMP. PER R-2221
6' HIGH C.L. FENCE (PROTECT-IN-PLACE)
INSTALL TYPE F-1 DELINEATORS @ 20' O.C. (TOTAL = 6)
CLEAN, PATCH & REPAIR AC SWALE
END AC BERM @ 22+45.5 LT.
50-3393-44
60" RCP PER D-425
GRASS AREA W/SPRINKLERS
MATCH STA. 23+25
LINE SEE SHT. 2
EXIST. GRADED DIRT WALKWAY
EXIST. T.C.@ 43' RT.
EXIST. F.L.
EXIST. T.C. 4.3' RT. @ 0.76%
EXIST. F.I.
F.I. @ 3.18%
EXIST. ℄ GRADE
PROP. ℄ GRADE
AC BERM F.L. @ 1.6% (VAR. 32' TO 43' LT.)
EXIST. SURFACE @ PROP. AC BERM
AC BERM FLOW LINE (VARIES FROM 27' TO 32' LT.)
EXIST AC BERM F.L. @ 3.22%
PROP. AC BERM F.L.
F.L. @ 1.32%
F.L. @ 0.31%
FUT. T.C. 43' LT. @ 0.54%
FUTURE T.C. @ 43' LT.
TOP AC BERM
PROP. MEDIAN
TOP OF RAIL
50' VC PI = 96.84
150' VC PI = 98.70
20' VC PI=98.84
20' VC PI=99.27
20' VC PI=99.10
50' VC (FUT.) PI = 97.80
40' VC PI = 99.03
20' VC P.I.=98.79
50' VC PI = 98.25
20' VC P.I.=99.20
30' VC PI=99.12
L = 42.36'
T = 0.387%
T = 3.33%
3.59%
3.65%
3.47%
3.32%
3.18%
3.34%
3.34%
1.6%
1.04%
3.52%
3.42%
1.32%
0.31%
0.54%
0.76%
NOTE: CITY OF RIVERSIDE PUD, ELECTRICAL DIVISION SHALL RAISE EXISTING POWER LINES TO PROVIDE A 33' (MIN.) CLEARANCE ABOVE AC SURFACE TO ALLOW INSTALLATION OF BNSF RAILROAD CANTILEVER SIGNAL DEVICES.
NOTE: FOR CONSTRUCTION NOTES (1) through (6) SEE SHT. 1.
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
BENCHMARK
RAILROAD SPIKE IN POWER POLE #25175J S'LY OF COLUMBIA AVE. & 70' E'LY OF ARDMORE ST. PER LL 6196.
ELEVATION 890.836'
1 | 180°00'00" | 4.5' | 14.14' | –
◇ | △ | R | L | T
CURVE DATA
REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 CIVIL STATE OF CALIFORNIA
ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/00
DATE 5/13/98
Added Sprint 4"PVC conduit & steel casing
MARK REVISIONS APPR. DATE
DESIGNED BY CSS DRAWN BY LFH,CCD CHECKED BY
CITY OF RIVERSIDE, CALIFORNIA
--PUBLIC WORKS DEPARTMENT
APPROVED BY | BY | DATE
PRINCIPAL ENGINEER
TRAFFIC DIVISION
SURVEYOR
STREET SERVICES
APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 5-19-98
COLUMBIA AVENUE IMPROVEMENTS AT BNSF RR
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'
ACCT. NO.: 432-541500-440302-30281
R-3428
SHEET 2 OF 2
FILE NO.
INDEXED 6-2-98 LFH