RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

COLUMBIA AVENUE IMPROVEMENTS AT UPRR/NORTHGATE STREET

GENERAL CONSTRUCTION NOTES:

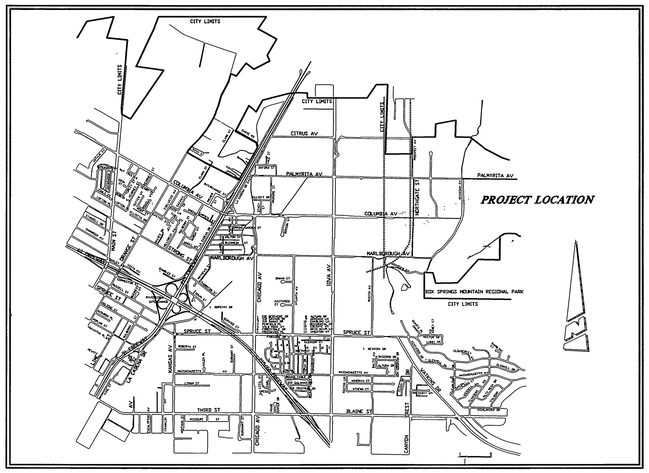
1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2000 EDITION.
2. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD, EXCEPT FOR ELEVATIONS SHOWN IN PARENTHESIS WHICH DENOTE EXISTING GRADES.
3. CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE SHOWN ON THE PLAN.
4. EXISTING UTILITIES SHOWN ON THE PLANS, 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 THESE PLANS.

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 STRUCTURAL SECTION OF 0.33' ~~3"~~ AC OVER 0.60' ~~12.5"~~ CRUSHED AGGREGATE BASE. MEETING THE CONCRETE GUTTER AT 1" BELOW THE GUTTER LIP (ALLOW FOR 0.10' FUTURE CAP).
- △ R/S1 — REMOVE AND REPLACE EXIST. STRUCTURAL SECTION WITH 0.33' ~~3"~~ AC OVER 0.60' ~~12.5"~~ CRUSHED AGGREGATE BASE.
- C/S2 — CONSTRUCT STRUCTURAL SECTION OF 4" AC OVER 8" CRUSHED AGGREGATE BASE.
- OL — OVERLAY EXISTING PAVEMENT WITH VARIABLE THICKNESS AC (0.08'MIN.)
- F — GRADE AREA BEHIND AC BERM OR AC WALKWAY AS SHOWN ON THE PLAN & TYPICAL SECTION. MATERIALS WITH R-VALUE EQUAL TO 65 (MIN.) SHALL BE USED IN FILL.
- ADJ/MH — ADJUST ELECTIC, SEWER AND/OR SD MANHOLE COVER TO GRADE.
- ADJ/GV — ADJUST GATE VALVE BOX COVER TO GRADE.
- RR — U.P.R.R. RAILROAD TO CONSTRUCT OR RELOCATE.
- 304/M — CONSTRUCT MODIFIED WHEELCHAIR RAMP WITH CURB DEPRESSION AND AC PAVING BEHIND C&G AS SHOWN ON THE PLAN.
- E — PUD ELECTRIC DIVISION TO RELOCATE.

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. COLD MILL ANY REMAINING PARTS IN THE EXISTING AC PAVEMENT TO 0.08' (MIN.) PRIOR TO AC OVERLAY.
3. CONSTRUCT 3"-THICK AC WALKWAY OVER COMPACTED NATIVE MATERIAL.



PROJECT LOCATION MAP

0 KM. 0.5 KM. 1 KM 1.5 KM.
0' 500' 1000' 2000' 3000' 4000' 5000' 6000'

SCALE: 1" = 1,000'

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	8"S	TELEPHONE CONDUIT	T
WATER LINE	6"W	ELECTRICAL CONDUIT	E
STORM DRAIN	24"SD	ELECTROLIER LIGHTING CONDUIT	ELC
GAS LINE	3"G	TRAFFIC SIGNAL	SIG
ABANDONED UTILITY	6"G(ABAN'D.)	FIRE ALARM	F

EXISTING TOPOGRAPHY:

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- SANITARY SEWER M.H.
- SANITARY SEWER CLEANOUT
- STORM DRAIN M.H.
- IRRIGATION WEIR
- WATER M.H.
- GAS M.H.
- ELECTRIC M.H.
- TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- BUS STOP SIGN
- BLOW-OFF VALVE
- IRRIGATION STAND PIPE
- CONCRETE
- ASPHALT CONCRETE
- BUILDING
- EDGE OF PAVEMENT
- COMPACTED EARTH FILL
- STAMPED CONCRETE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW
- POLE & GUY ANCHOR
- POWER POLE
- TELEPHONE POLE
- TELEPHONE RISER
- JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- GAS METER
- MAIL BOX
- FAUCET
- WALK-DON'T WALK PEDESTRIAN SIGNAL
- ELECTRICAL TEST STATION
- WHEEL STOP
- A.C. BERM
- PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT ON MAST ARM
- STEEL POST
- WOOD POST

*AS-BUILT 11-06-03 [illegible]

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/00
DATE 2/19/03

REGISTERED PROFESSIONAL ENGINEER — MICHAEL KATUSIAN — No. 36686 Exp. 6-30-04 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR	DATE
△	Revised Street Struc. Section		

DESIGNED BY CSS DRAWN BY SPS CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEP. PUBLIC WORKS ENGR		
PRINCIPAL ENGINEER	[illegible]	2/20/03
TRAFFIC DIVISION		
SURVEYOR		
STREET SERVICES		
INSPECTION		

APPROVED BY [illegible] PUBLIC WORKS DIRECTOR
DATE 2/20/03

COLUMBIA AVENUE AT UPRR/NORTHGATE STREET

HORIZ. SCALE: VERT. SCALE:

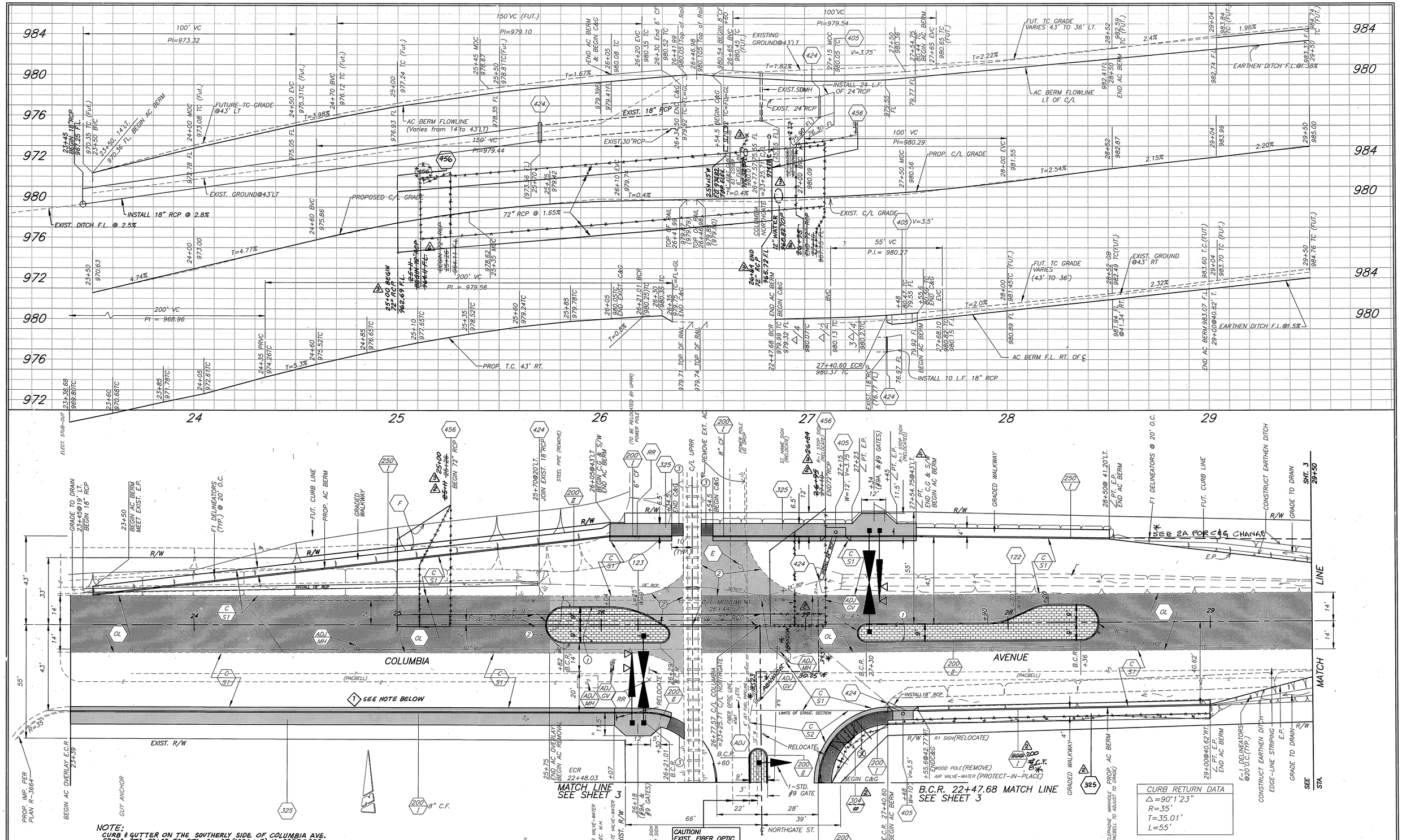
ACCT. NO.: 9538830214-440302XX

R-3628

SHEET 1 OF 4

FILE NO.

INDEXED 4-24-03 [illegible]



NOTE:
CURB & GUTTER ON THE SOUTHERLY SIDE OF COLUMBIA AVE. FROM STA. 23+39 TO STA. 26+35 (1296 L.F.) IS PROPOSED TO BE CONSTRUCTED BY THE ADJACENT PROPERTY OWNER AND THEREFORE, WILL NOT BE A PART OF THE CONTRACT.

MARK	REVISIONS	APPR.	DATE
	sta. 32+89.84 per sheet 2A	MK	4/8/03
4	Extended the prop. imp. 500' e'ly to	MK	4/8/03

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/00
DATE 2/19/03

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR	DATE
1	REVISED PROPOSED C&G	MK	3/10/03
2	REVISED STA. LIMITS 72" RCP, C&G S/W & W/C RAMP	MK	4/29/03
3	REVISED 72" S.D STA. LIMITS & UTIL. LOCATIONS (SEE ADDITIONAL REV. @ LEFT)	MK	5/1/03

DESIGNED BY: CSS DRAWN BY: SPS CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEP. PUBLIC WORKS ENGR.		
PRINCIPAL ENGINEER	MK	2/10/03
TRAFFIC DIVISION		
PARKS DEPARTMENT		
INSPECTION		
SURVEYOR		

APPROVED BY: Jim Bud
PUBLIC WORKS DIRECTOR
DATE: 2/20/03

COLUMBIA AVENUE AT UPRR/NORTHGATE STREET

ACCT. NO.: 9538830214-440302XX

R-3628

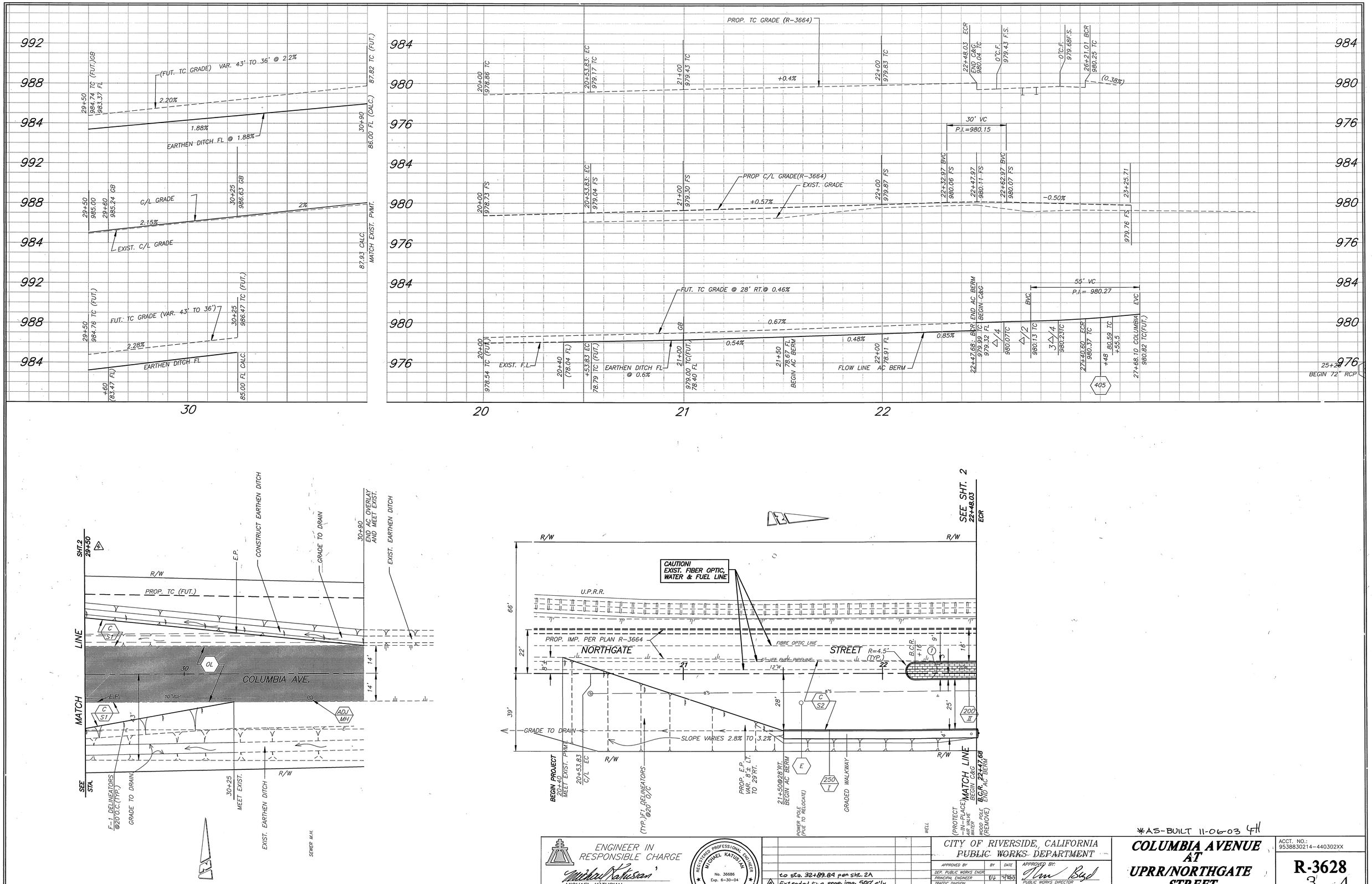
SHEET 2 OF 4

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

FILE NO.

* AS-BUILT WATER LINE 6-09-03 GH * AS-BUILT 11-06-03 GH

INDEXED 4-29-03 GH



*AS-BUILT 11-06-03 4H

ENGINEER IN RESPONSIBLE CHARGE

MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/00
DATE 2/19/03

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
A	to sta. 32+89.84 per sht. 2A Extended the prop. imp. 500' o'ly		

DESIGNED BY: CSS DRAWN BY: SPS CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEP. PUBLIC WORKS ENGR.		
PRINCIPAL ENGINEER	DLV	2/18/03
TRAFFIC DIVISION		
PARKS DEPARTMENT		
INSPECTION		
SURVEYOR		

APPROVED BY: Tim Byrd
PUBLIC WORKS DIRECTOR
DATE: 2/20/03

COLUMBIA AVENUE AT UPRR/NORTHGATE STREET

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

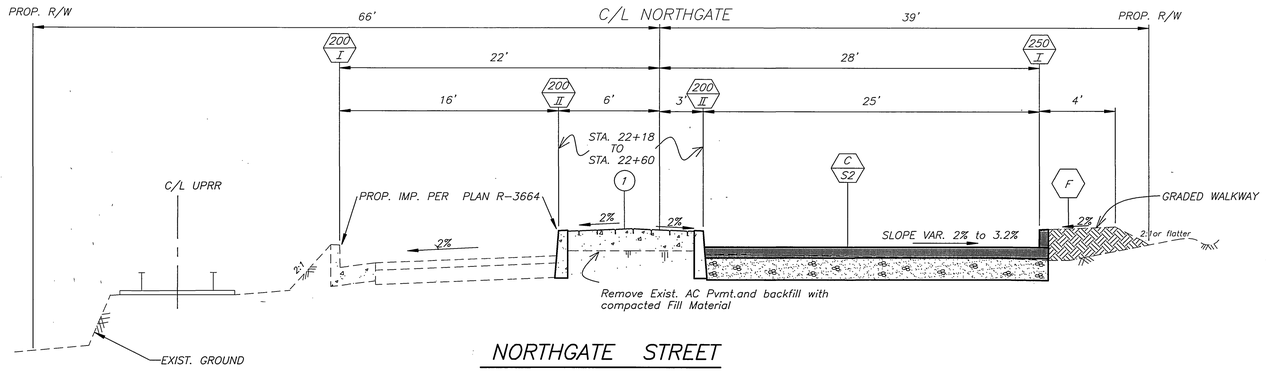
ACCT. NO.: 9538830214-440302XX

R-3628

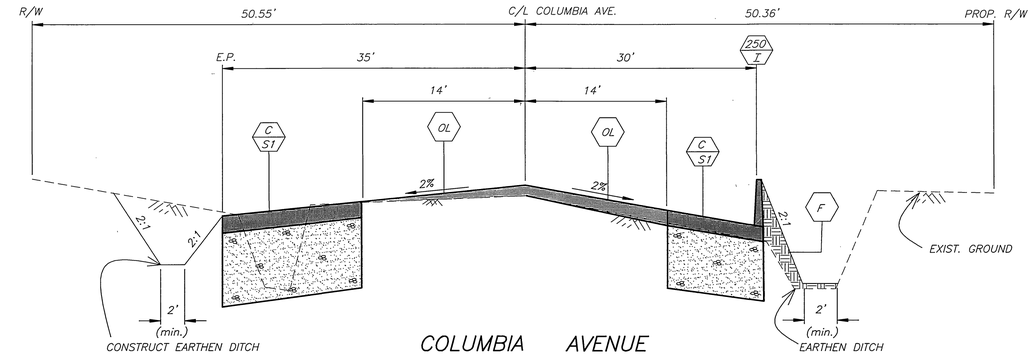
SHEET 3 OF 4

FILE NO.

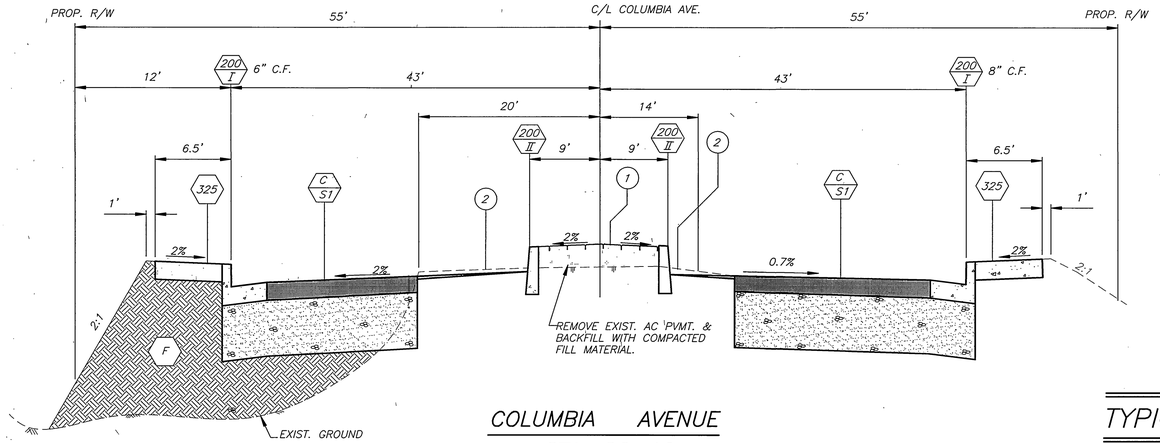
INDEXED 4-29-03 4H



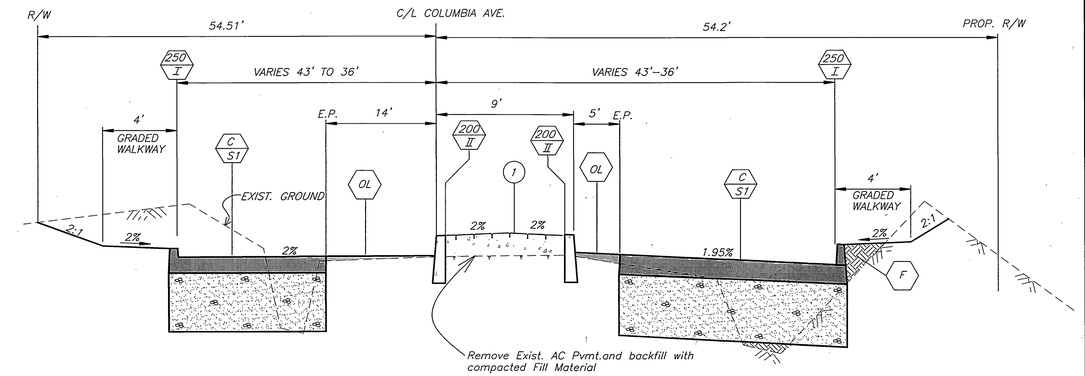
NORTHGATE STREET
STA. 21+50 to 22+47.68



COLUMBIA AVENUE
STA. 29+40

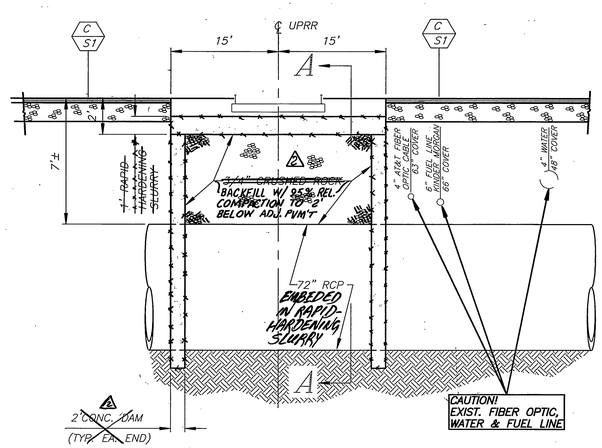


COLUMBIA AVENUE
STA. 26+10

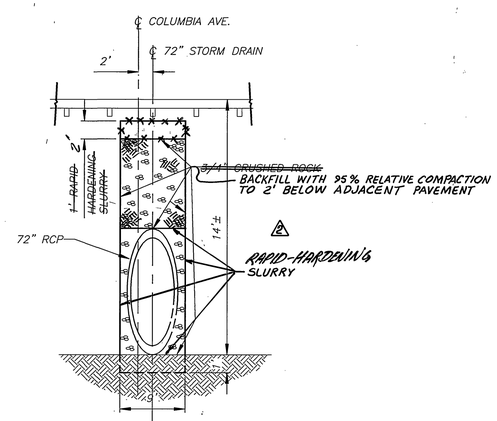


COLUMBIA AVENUE
STA. 27+75

TYPICAL SECTIONS
NOT TO SCALE



72" RCP PROFILE @ UPRR
N.T.S.



SECTION A-A
N.T.S.

*AS-BUILT 11-06-03 GH

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/00
DATE 2/19/03

REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
2	REVISED DETAIL 72" RCP @ UPRR	MK	4/23/03

DESIGNED BY: CSS DRAWN BY: SPS CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEP. PUBLIC WORKS ENGR.		
PRINCIPAL ENGINEER	MK	4/30/03
TRAFFIC DIVISION		
PARKS DEPARTMENT		
INSPECTION		
SURVEYOR		

APPROVED BY: PUBLIC WORKS DIRECTOR
DATE: 4/30/03

COLUMBIA AVENUE AT UPRR/NORTHGATE STREET

NOT TO SCALE

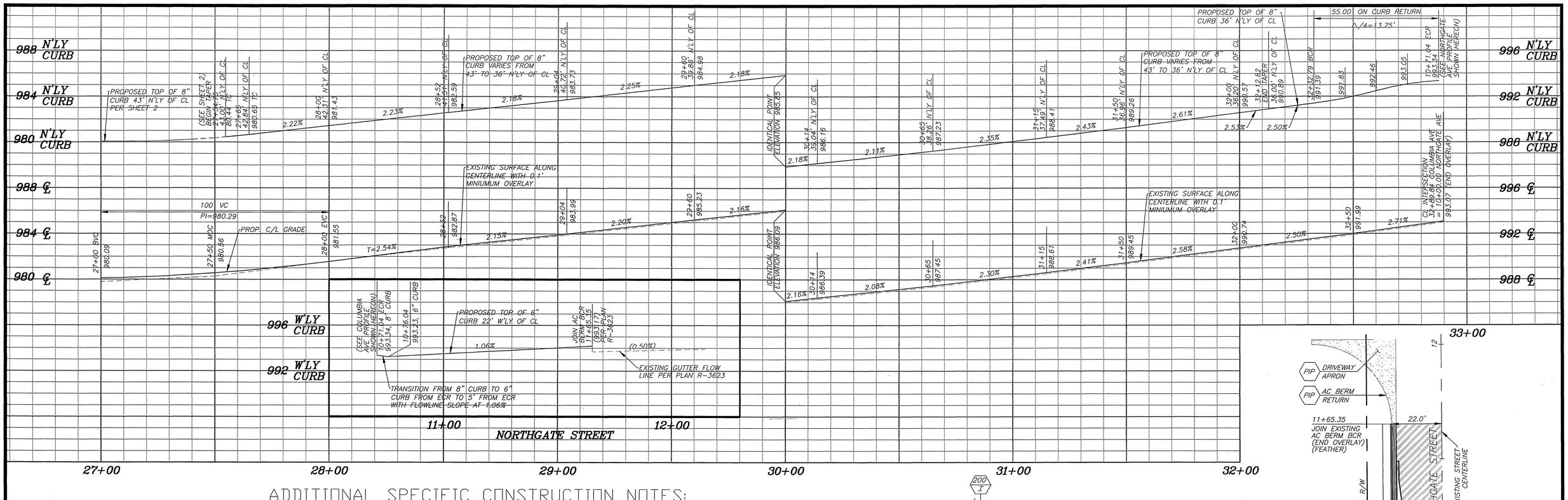
ACCT. NO.: 9538830214-440302XX

R-3628

SHEET 4 OF 4

FILE NO.

INDEXED 4-29-03 GH



CURVE DATA				
☐	DELTA	RADIUS	LENGTH	TANGENT
1	90°2'15"	35.00'	55.00'	35.02'

ADDITIONAL SPECIFIC CONSTRUCTION NOTES:

4. INTERFERING PORTIONS OF THE EXISTING PIPE OUTLET HEADWALL AND RIPRAP TO BE REMOVED AFTER THE COLUMBIA AVENUE STREET IMPROVEMENTS ARE COMPLETED PER PLAN R-3724.
5. EXISTING CONCRETE CROSS GUTTER AND AC BERM RETURN TO BE REMOVED AND REPLACED WITH CONSTRUCTION ITEMS IDENTIFIED PER THIS SHEET. THE LIMITS OF CROSS GUTTER REMOVAL IS TO NORTHGATE CENTERLINE. THE REMAINING MODIFICATIONS TO THIS INTERSECTION SHALL BE CONSTRUCTED PER THE R-3724 PLAN STREET IMPROVEMENTS.
6. REMOVE EXISTING AC BERM TO THE EXISTING DRIVEWAY CURB RETURN.
7. ULTIMATE WIDTH STREET IMPROVMENTS FOR COLUMBIA AVENUE WILL BE COMPLETED EAST OF STATION 29+00 PER PLAN R-3684.
8. FUTURE LOCATION OF 72" RCP TO BE LOCATED 23' N'LY OF CL. THIS LINE WILL JOIN AT REMOVED HEADWALL LOCATION SHOWN ON THESE PLANS AT A LATER DATE.
9. CONSTRUCT DEPRESSED CURB ONLY PER CITY OF RIVERSIDE STANDARD 304-TYPE 1 FOR FUTURE CONSTRUCTION OF HANDICAP RAMP.

220 M — CONSTRUCT CONCRETE CROSS GUTTER PER CITY OF RIVERSIDE STANDARD 220 FOR HALF OF THE NORTHGATE AVE INTERSECTION STREET IMPROVEMENTS. THE REMAINING IMPROVEMENTS TO THE INSTERSECTION SHALL BE COMPLETED PER PLAN R-3724 AND THE CROSS GUTTER FLOWLINE SHALL JOIN AT THE NORTHGATE AVE CENTERLINE.

ENGINEER IN RESPONSIBLE CHARGE
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REGISTERED PROFESSIONAL ENGINEER MICHAEL KATUSIAN No. 36686 Exp. 6-30-04 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: EL DRAWN BY: EL CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
TRAFFIC DIVISION		
PARKS DEPARTMENT		
INSPECTION		
SURVEYOR		

APPROVED BY:
CITY ENGINEER
DATE:

COLUMBIA AVENUE AT UPRR/NORTHGATE STREET

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

ACCT. NO.: 953883O214-440302XX

R-3628

SHEET 2A OF 4

FILE NO.

*AS-BUILT 11-06-03 EH

G:\COMMON\CONRAD\R-3628-2A.DWG 09/12/03 7:57 am