RIVERSIDE CALIFORNIA

INCORPORATED 1883 — CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

CENTRAL AVE./ALESSANDRO BLVD. REHABILITATION
(AT&SF RR TO TRAUTWEIN RD.)
LENGTH: 22,968' - 4.35 MILES

IOWA AVENUE REHABILITATION
(742' N'LY. OF SPRUCE ST. TO SPRING ST.)
LENGTH: 7,200' - 1.36 MILES

M-3069(22)

CONSTRUCTION LEGEND

CENTER LINE	℄	TOP OF SLOPE	
RIGHT-OF-WAY LINE	R/W	TOE OF SLOPE	
SUBDIVISION LOT LINE	℞	DIRECTION OF FLOW	

- ADJ — ADJUST MH TO GRADE.
- C ST — CONST. STRUC. SEC. OF 0.42' DGAC OVER 0.83' CL. 2 CAB.
- D RC — 0.08' MIN. DENSE GRADED AC (DGAC) OVER ASPHALT RUBBER STRESS ABSORBING TREATMENT (ARSAT OR RC).
- G1 — GRIND EX. AC 0.05' BELOW GUTTER LIP OR OUTER EDGE, "DAY-LIGHTING" IN 5' EXCEPT AS SHOWN ON PLAN. (TYPE I GRINDING)
- LC .10 — 0.08' MIN. DGAC OVER ARSAT OVER 0.10' DGAC LEVELING COURSE.
- R ST — REMOVE & REPLACE EX. STRUC. SEC. WITH 0.42' DGAC OVER 1.0' CL.2 CAB.
- P ST — REMOVE & REPLACE EX. STRUC. SEC. WITH 0.42' DGAC OVER 0.83' CL.2 CAB. OR : Δ9" DGAC OVER EX. BASE.
- SLY — ASPHALT SLURRY SEAL OVER EX. AC (APPLICATION PER STD. SPECS.)
- TDL/NO — TRAFFIC DETECTOR LOOP INSTALLATIONS / NUMBER OF TRAFFIC DETECTOR LOOPS
- OL VAR — VARIABLE THICKNESS DGAC OVERLAY (0.21' TO 0.23') AT OUTSIDE EDGE. Δ FOR IMPROVEMENT OF RR X-ING VARY OVERLAY TO 6" MAX. TO CONSTRUCT DESIRED PROFILE.

SPECIFIC CONSTRUCTION NOTES

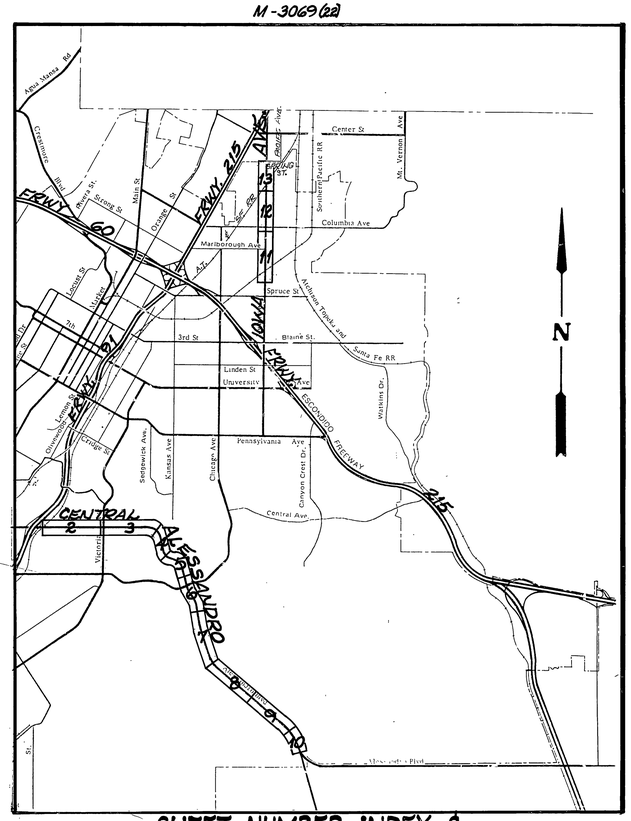
⬡ NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET BELOW. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

A/3 — DETAIL / SHEET NUMBER

PIP — PROTECT IN PLACE

GENERAL CONSTRUCTION NOTES

1. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
2. EXIST. UTILITY MANHOLES, GATE VALVES AND VAULTS ARE NOT NECESSARILY SHOWN ON THE PLAN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR THE ADJUSTMENT OR PROTECTION OF THEIR FACILITIES. THE PUBLIC UTILITIES DEPARTMENT FACILITIES SHALL BE TREATED AS OUTLINED IN THE SPECIFICATIONS.
3. TRANSVERSE AND LONGITUDINAL CRACKS ¼" AND LARGER SHALL BE FILLED WITH A RUBBERIZED ASPHALT MATERIAL PRIOR TO OVERLAY OR APPLICATION OF THE RUBBERIZED ASPHALT STRESS ABSORBING TREATMENT (A.R.S.A.T.). WHEN THE PAVEMENT IS TO BE OVERLAYED WITH OPEN GRADED AC ONLY, ALL CRACKS SHALL BE FILLED WITH A RUBBERIZED ASPHALT MATERIAL (SEE SPECIAL PROVISIONS).
4. THE RIDGE PRODUCED BY THE EDGE OF THE DENSE GRADED A.C. OVERLAY SHALL BE MINIMIZED. FEATHER THE DENSE GRADED A.C. AT INTERSECTIONS TO A MINIMUM OF 5' BEYOND THE INDICATED EDGE OF THE OVERLAY.
5. THE SEAM BETWEEN PASSES OF THE DENSE GRADED A.C. OVERLAY SHALL COINCIDE, AS CLOSELY AS POSSIBLE, WITH THE LANE LINES.
6. PULL BOXES FOR SPLICING TRAFFIC LOOP DETECTOR CONDUCTORS AND LEAD-IN CABLE ARE NORMALLY ADJACENT TO DETECTORS, UNLESS OTHERWISE SHOWN ON PLAN.
7. MANHOLES & VALVES WITHIN THE GRINDING LIMITS SHALL NOT BE ADJUSTED TO GRADE. INSTEAD, ENOUGH GRINDING (OR PAVEMENT REMOVAL BY OTHER MEANS) SHALL BE DONE TO PROVIDE A SMOOTH FINISHED SURFACE TRANSITION AROUND THE COMPLETE CIRCUMFERENCE OF THE STRUCTURE AS NOTED PER PLAN.
8. RESURFACING LIMITS SHOWN AT INTERSECTIONS ARE NOT ABSOLUTE. THE INSPECTOR MAY REQUEST GRINDING & PAVING INTO SIDE STREETS TO IMPROVE RIDABILITY.
9. MEDIAN GUTTERS SHALL BE OVERLAID TO THE CURB FACE WHERE ADJACENT RESURFACING OCCURS, UNLESS SHOWN OTHERWISE ON PLAN.
10. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS 'A' OR 'C-12' LICENSE AT TIME OF AWARD.
11. SEE SHEETS 2 & 11 FOR CONST. QTYS. ON CENTRAL/ALESSANDRO & IOWA AVE., RESPECTIVELY.
12. AFTER REMOVAL AND PRIOR TO CURB OR C&G REPLACEMENTS, FOR DESIGNATED R/R LENGTHS GREATER THAN 150', THE CONTRACTOR SHALL ALLOW 48HRS. TO REQUEST SURVEY PLUS AN ADDITIONAL 48HRS. TO RECEIVE PROPOSED GRADES FOR REPLACEMENT IMPROVEMENTS.
13. WHERE DGAC OVERLAY ABUTTS MEDIAN BERMS OR CURBS THE OVERLAY SHALL BE TAPERED FROM 0.08' THICK AT 5' FROM MEDIAN TO 0.03' THICK AT FACE OF BERM OR CURB TO MAXIMIZE REMAINING CURB OR BERM HEIGHT.



SHEET NUMBER INDEX & PROJECT LOCATION PLAN

0' 2,070' 4,140' 8,280' 12,420' 16,560' 20,700' 24,840'

SCALE 1"=4,140'

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	8"S	TELEPHONE CONDUIT	T
WATER LINE	6"W	ELECTRICAL CONDUIT	E
STORM DRAIN	24"S.D.	ELECTROLIER LIGHTING CONDUIT	ELC
GAS LINE	3"G	TRAFFIC SIGNAL	SIG
IRRIGATION LINE	20"IRR.	FIRE ALARM	F
ABANDONED UTILITY	6"G(ABAN'D)		

EXISTING TOPOGRAPHY:

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW

- S — SANITARY SEWER M.H.
- SC.O. — SANITARY SEWER CLEANOUT
- D — STORM DRAIN M.H.
- I — IRRIGATION WEIR
- W — WATER M.H.
- G — GAS M.H.
- E — ELECTRIC M.H.
- T / V — TELEPHONE M.H. OR VAULT
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- POLE & GUY ANCHOR
- E — ELECTRIC POLE
- T — TELEPHONE POLE
- J — JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- GAS METER
- MAIL BOX
- FAUCET
- TELEPHONE RISER
- WHEEL STOP
- A.C. BERM
- STEEL POST
- WOOD POST
- PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR

- CONCRETE
- ASPHALT
- EDGE OF PAVEMENT (asphalt / conc.)
- BUILDING
- UNDERGROUND STRUCTURE
- OVERHANGING STRUCTURE

- CITRUS TREE
- DECIDUOUS TREE OR
- PALM TREE OR
- SHRUBBERY OR
- TREE STUMP
- EVERGREEN TREE

FEDERAL PROJECT NOS
CENTRAL/ALES.: M-3069(22)
IOWA AVENUE: M-3069(22)

Underground Service Alert

CALL BEFORE YOU DIG

Call: TOLL FREE
1-800
422-4133

TWO WORKING DAYS BEFORE YOU DIG

INDEXED SE

MARK	REVISIONS	APP'D	DATE
1	PVMT. REGRADING TO PROVIDE SMOOTH TRANSITION ACROSS RR TRACKS		7-16-87

ENGINEER IN RESPONSIBLE CHARGE
Ronald C. Mueller
RONALD C. MUELLER
RCE. 29510 expires 3/31/87
DATE Jan 23, 1987

REGISTERED PROFESSIONAL ENGINEER — RONALD C. MUELLER — NO. 29510 — Expires 3-31-87 — CIVIL — STATE OF CALIFORNIA

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		1-29-87
PARK DEPARTMENT	—	—
TRAFFIC DIVISION		1-27-87
CHIEF P.W. INSPECTOR		1-28-87

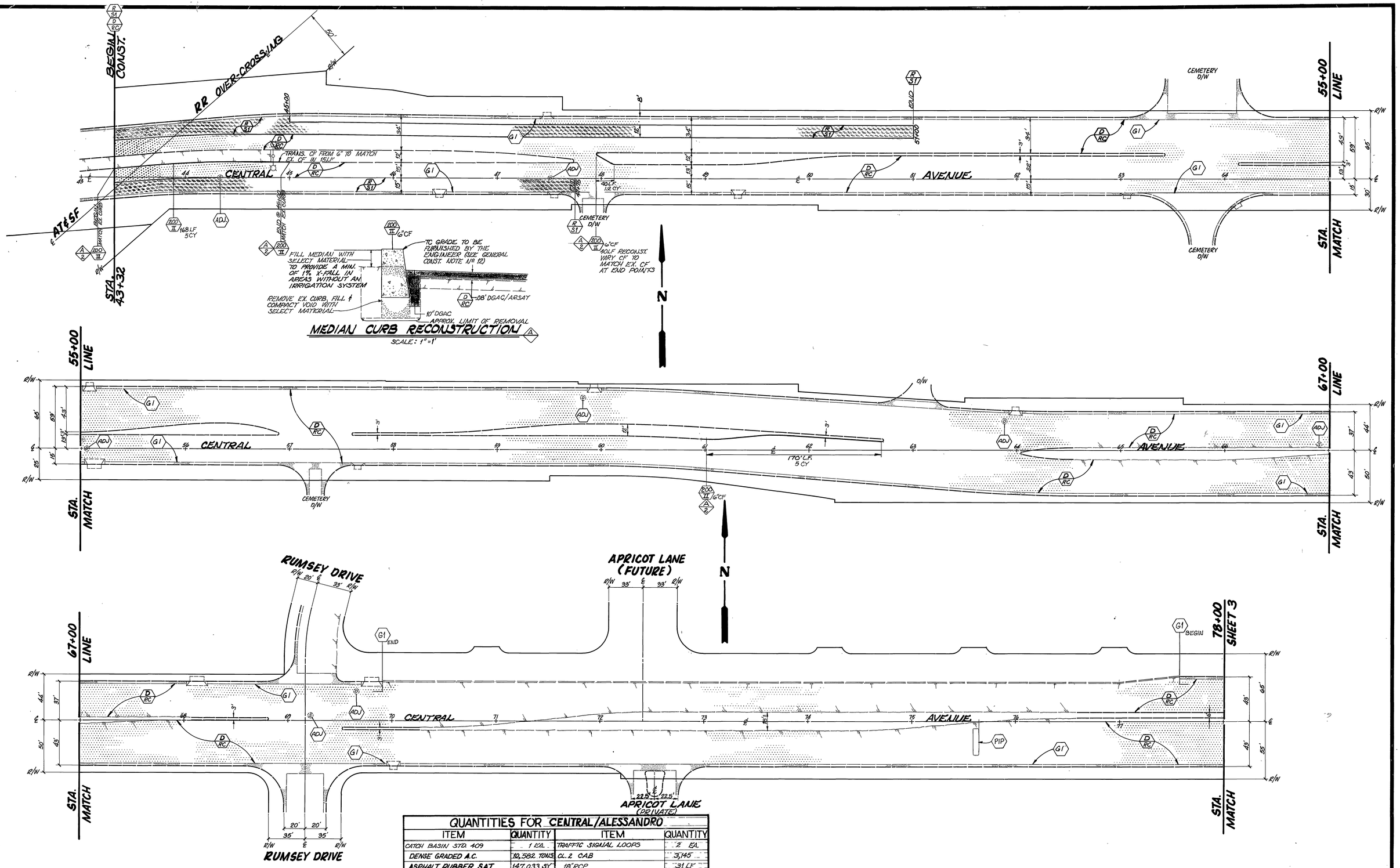
APPROVED BY: William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-3-87

CENTRAL AVE./ ALESSANDRO BLVD. REHABILITATION
A.T.&S.F. R.R. to TRAUTWEIN RD.

DESIGNED BY J.A. DRAWN BY CHECKED BY

ACCOUNT No. 30-575-354-07
DRAWING NUMBER R-2720
SHEET 1 OF 13

H-7



QUANTITIES FOR CENTRAL/ALESSANDRO			
ITEM	QUANTITY	ITEM	QUANTITY
CATCH BASIN STD. 409	1 EA.	TRAFFIC SIGNAL LOOPS	2 EA.
DENSE GRADED A.C.	10,582 TONS	CL. 2 CAB	3,145
ASPHALT RUBBER SAT	147,033 SY	18" RCP	31 LF
A.C. PVMT. GRINDING, TYPE I	17,010 LF	CURB & GUTTER STD. 200, TYPE I	427 LF
EXCAVATION, A.C. & BASE	4,152 CY	CURB & GUTTER STD. 200, TYPE II	1078 LF
CSP INLET STD. 412 M	1 EA.	ASPHALT SLURRY SEAL	21,500 SY
ADJUST SWR & S.D. M.H. FRAME & COVER TO GRADE	29 EA.	AC BERM STD. 250, TYPE I	200 LF
		⊕ PAVEMENT PREPARATION	
		AC. REMOVAL	400 CY
		AC. REPLACEMENT (DGAC)	800 TONS
SHOULDER BACKING	11,546 LF		

⊕ ESTIMATED. ACTUAL PVMT. R&R TO BE DETERMINED BY INSPECTOR AT TIME OF CONST.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY J.H. DRAWN BY RHZ R/W CHECKED BY RPM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	1-29-87	[illegible]
~~PARK DEPARTMENT~~	—	
TRAFFIC DIVISION	1/27/87	[illegible]
CHIEF P. W. INSPECTOR	1/23/87	[illegible]

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-3-87

INDEXED SHT. M-3069(22)

CENTRAL AVE. / ALESSANDRO BLVD. REHABILITATION
A.T.&S.F. R.R. to TRAUTWEIN RD.

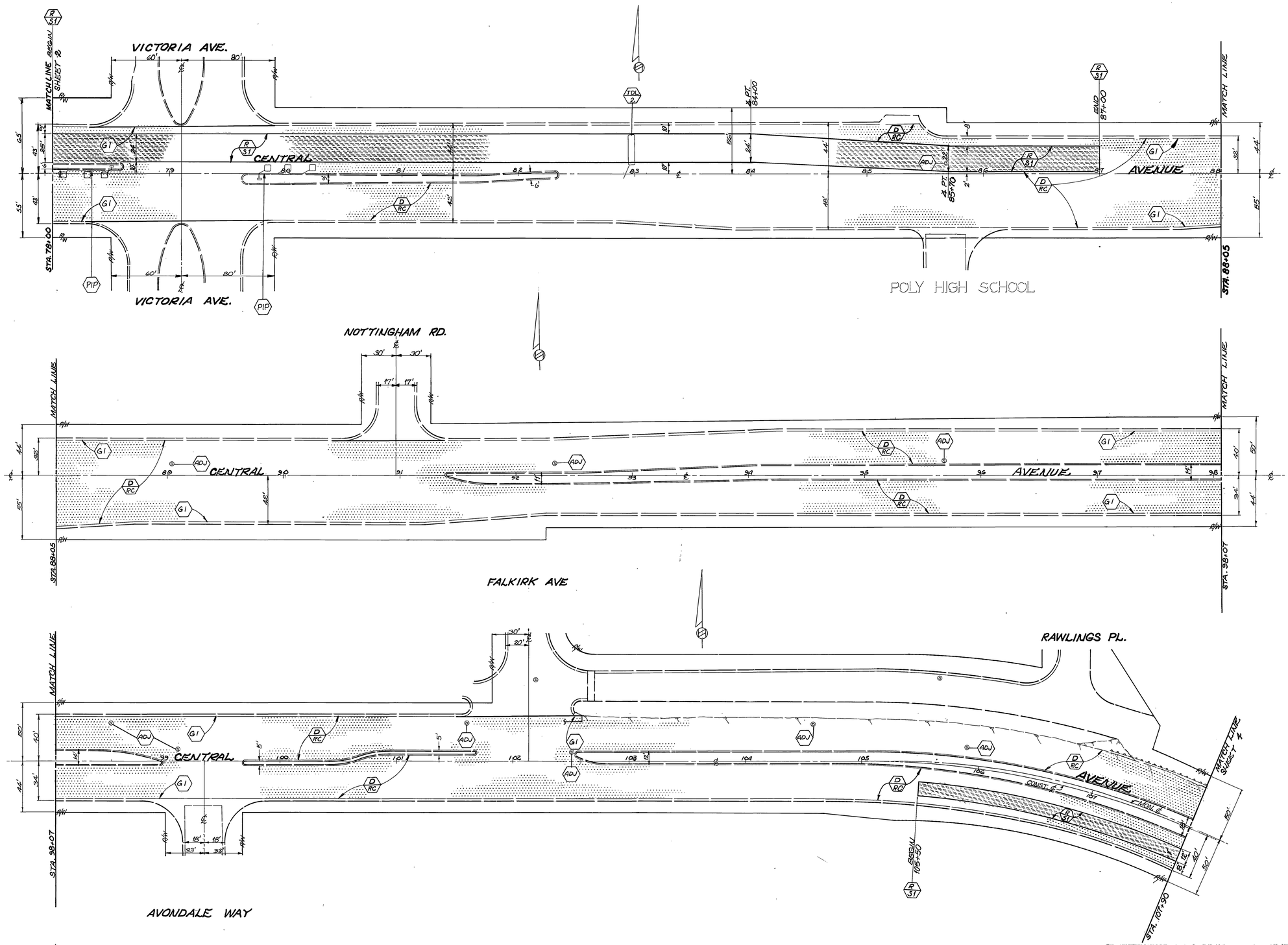
ACCOUNT NO. 30-575-354-07

R-2720

SHEET 1 OF 1

HORIZ. SCALE: 1" = 40'

OZALID-NO.2



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M-3069(22)

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DESIGNED BY [illegible] DRAWN BY [illegible] CHECKED BY [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	2/2/87	[illegible]
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION	1/27/87	[illegible]
CHIEF P. W. INSPECTOR	1/23/87	[illegible]

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-3-87

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A.T.&S.F. R.R. to TRAUTWEIN RD.

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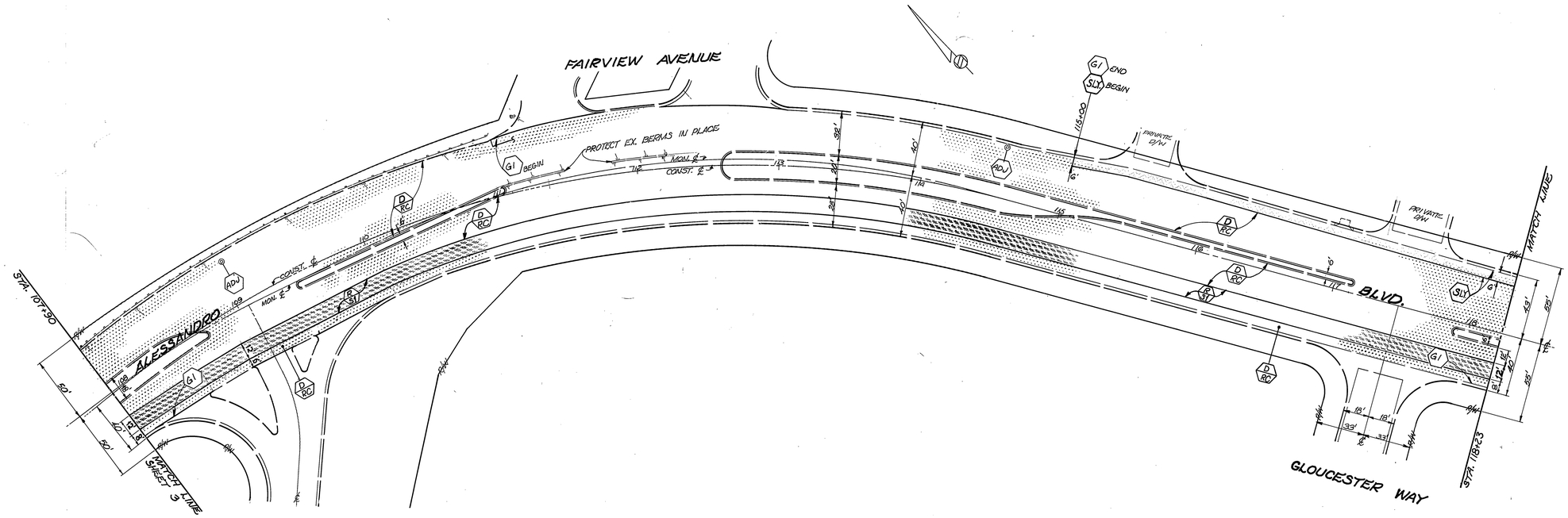
ACCOUNT NO. 30-575-354-07

R-2720

SHEET 3 OF 13



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PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	2/2/87	[illegible]
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION	1/27/87	[illegible]
CHIEF P. W. INSPECTOR	1/23/87	[illegible]

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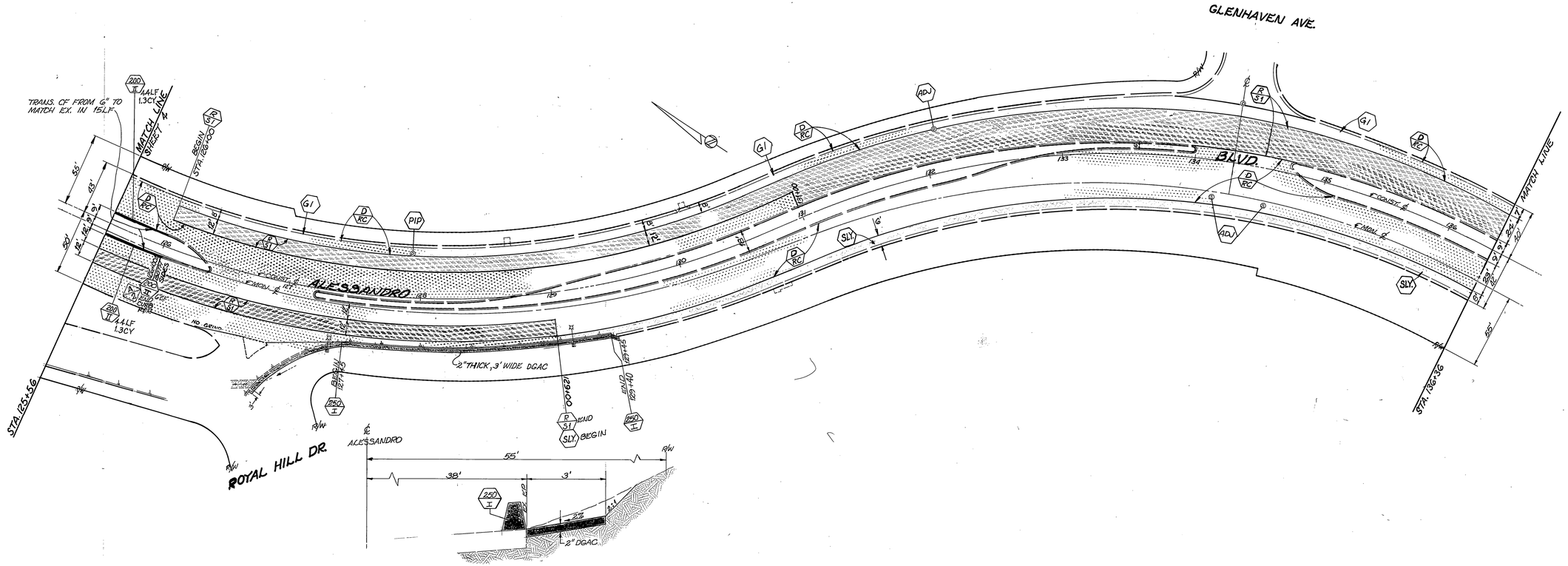
SHEET 4 OF 13



INDEXED STK
M-3069(22)

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CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	2/2/87	[illegible]
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION	1/27/87	[illegible]
CHIEF P. W. INSPECTOR	1/23/87	[illegible]

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-3-87

CENTRAL AVE. / ALESSANDRO BLVD. REHABILITATION
A.T.&S.F. R.R. to TRAUTWEIN RD.

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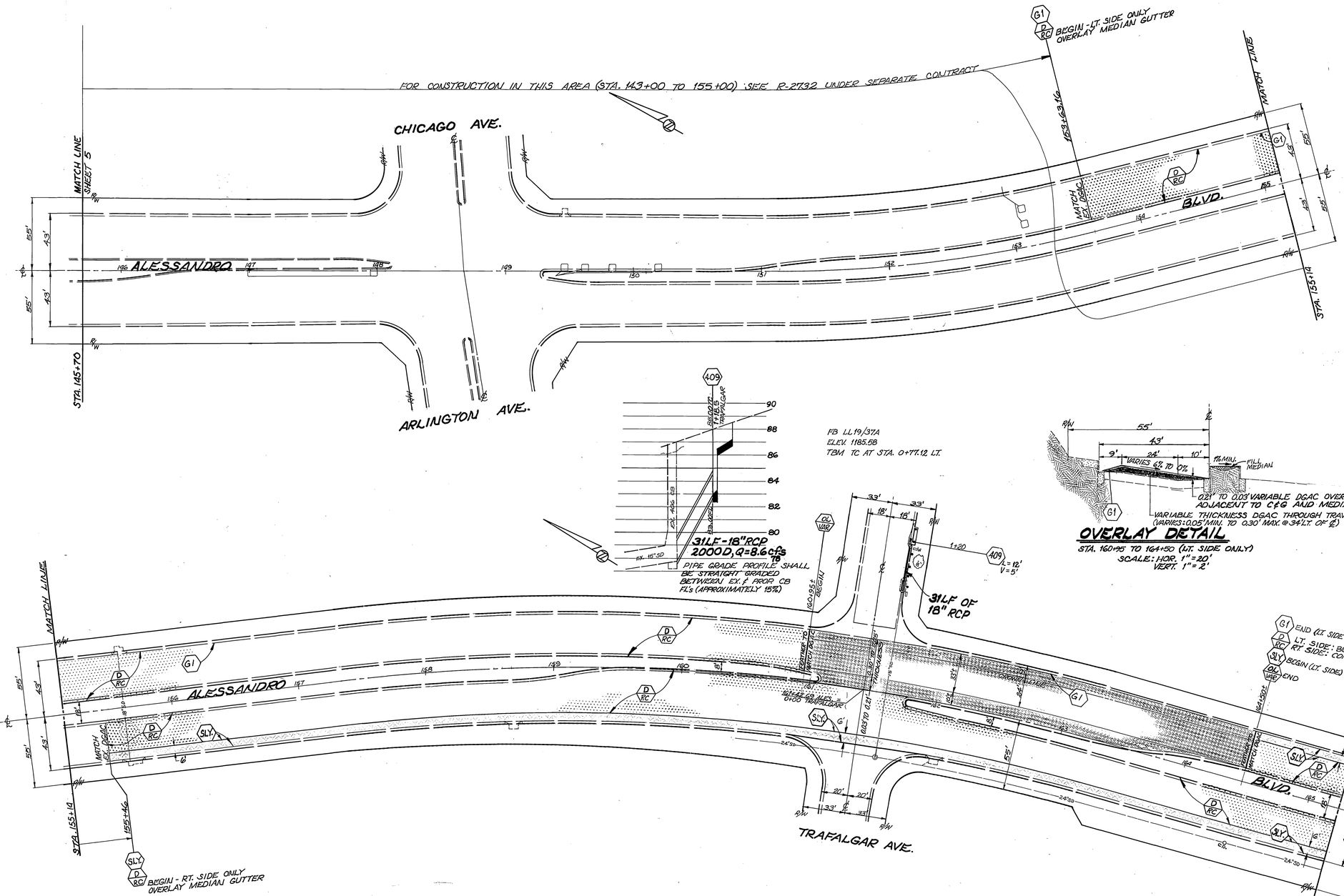
SHEET 5 OF 13



OVERLAY DETAIL

STA. 160+95 TO 164+50 (LT. SIDE ONLY)
SCALE: HOR. 1" = 20'
VERT. 1" = 2'

INDEXED SHT.
M-3069(62)

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT			
APPROVED BY	DATE	BY	APPROVED BY
PRINCIPAL ENGINEER	2/2/87	[illegible]	William D. Gardner
~~PARK DEPARTMENT~~			PUBLIC WORKS DIRECTOR
TRAFFIC DIVISION	1/27/87	[illegible]	
CHIEF P.W. INSPECTOR	1/23/87	[illegible]	DATE 2-3-87
SURVEYOR	1/2/87	[illegible]	

MARK	REVISIONS	APPR.	DATE

DESIGNED BY V.H. DRAWN BY [illegible] CHECKED BY [illegible]

CENTRAL AVE./ ALESSANDRO BLVD. REHABILITATION

A.T.&S.F. R.R. to TRAUTWEIN RD.

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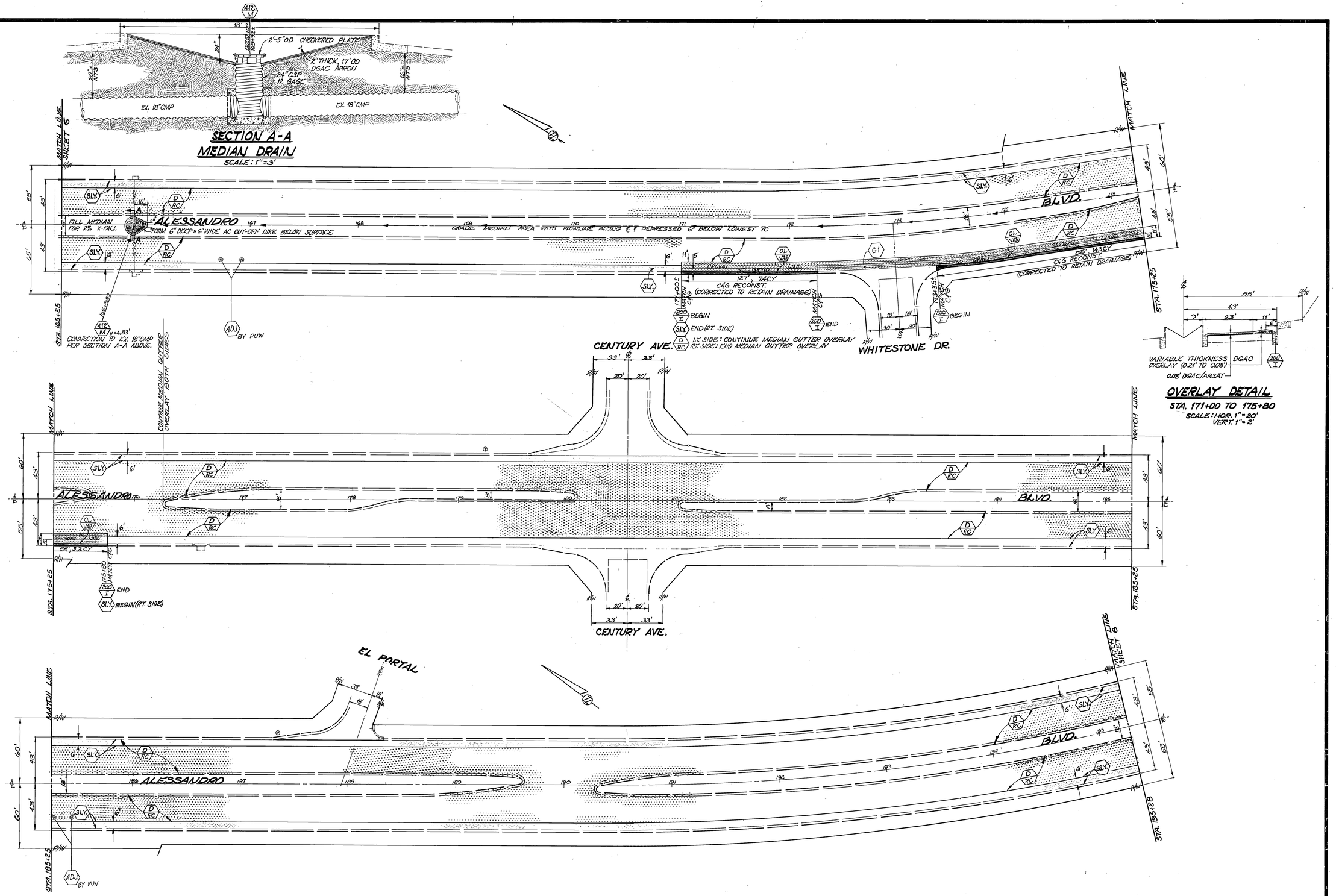
SHEET 6 OF 13



INDEXED STL
M-3069(22)

MARK	REVISIONS	APPR.	DATE

DESIGNED BY J.H. DRAWN BY RJM CHECKED BY RPM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	2/2/87	JHE
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION	1/27/87	RJM
CHIEF P. W. INSPECTOR	1/27/87	RE

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-3-87

CENTRAL AVE. / ALESSANDRO BLVD. REHABILITATION
A.T.&S.F. R.R. to TRAUTWEIN RD.

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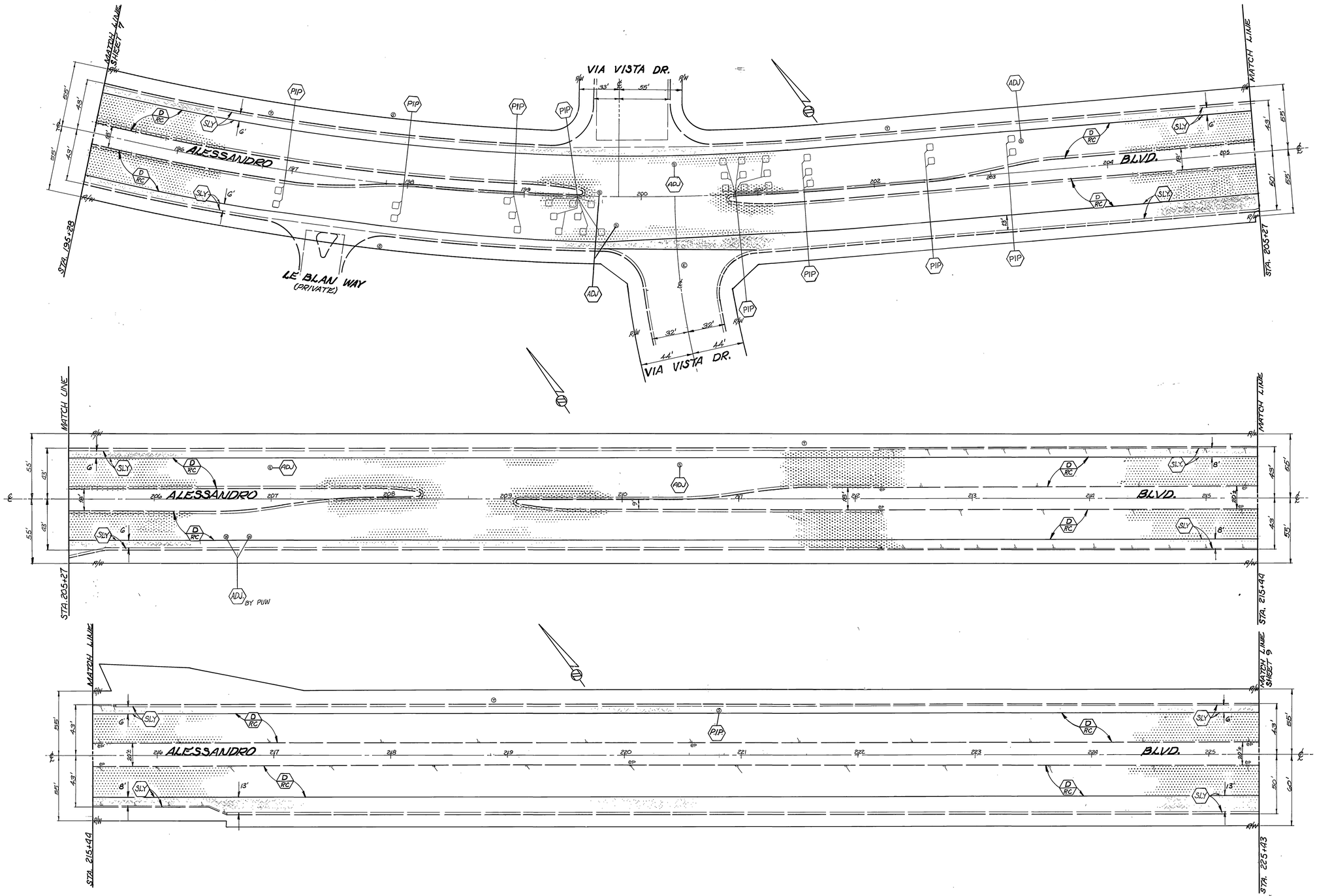
SHEET 7 OF 13



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PRINCIPAL ENGINEER	2/2/87	[illegible]
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION	1/27/87	[illegible]
CHIEF P. W. [illegible]	1/28/87	[illegible]

APPROVED BY William D. Gardner
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DATE 2·3·87

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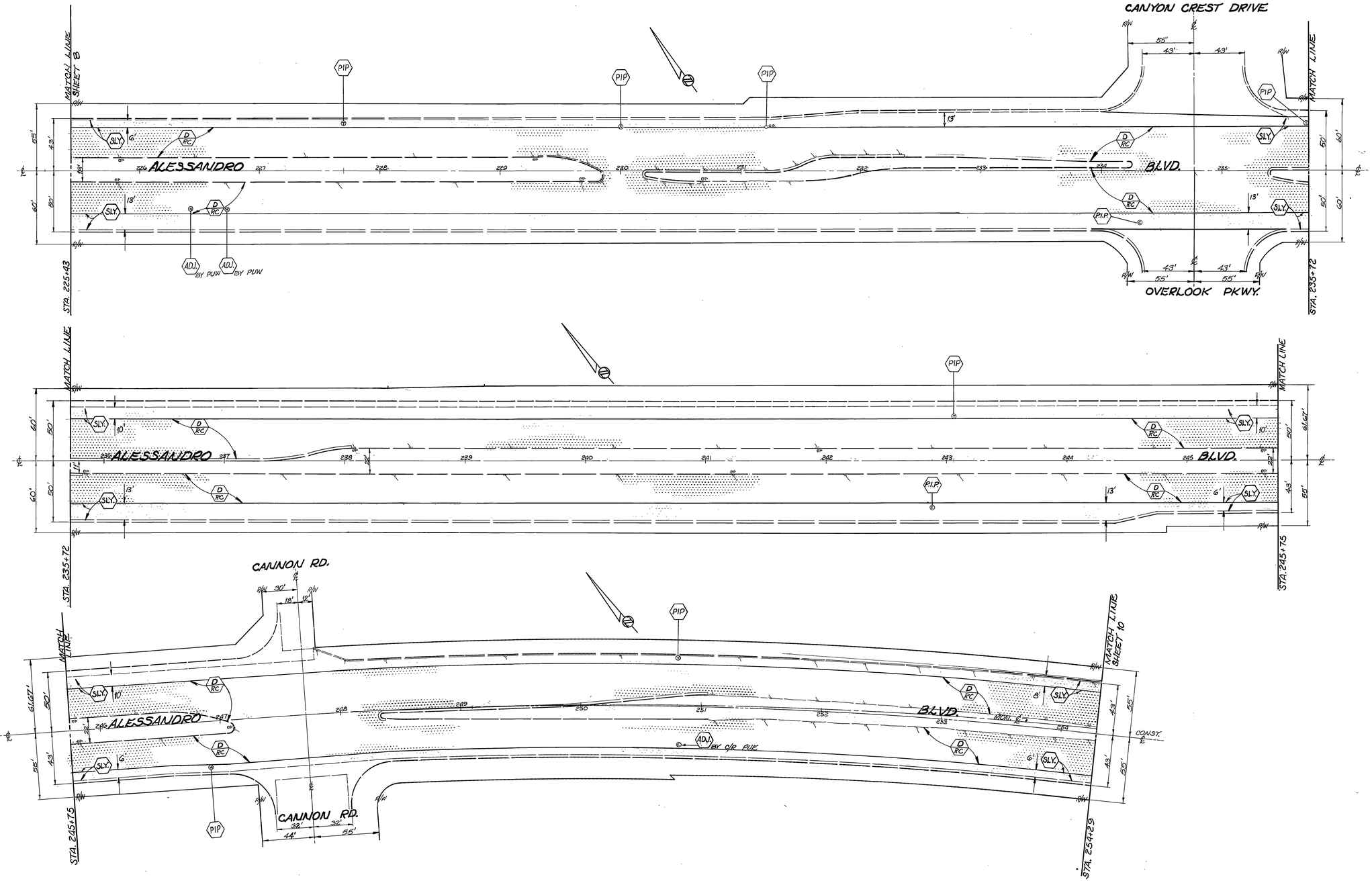
SHEET 13 OF 13



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SHEET 9 OF 13