RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

LINCOLN AVENUE STORM DRAIN

MONROE ST. to IRVING ST.

CONSTRUCTION LEGEND

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

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.

PAVEMENT REPLACEMENT SECTION SHALL BE EITHER 8" FULL DEPTH ASPHALT CONCRETE OR 4" ASPHALT CONCRETE OVER 9" CRUSHED AGGREGATE BASE.

GENERAL NOTES

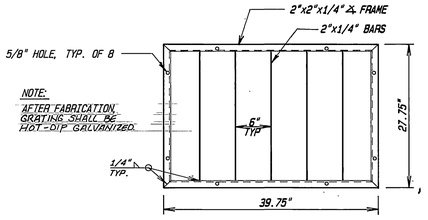
1. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN INTHE PROFILE. UTILITIES IN THE PROFILE AS ----X--- INDICATES THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
2. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
3. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS A OR C-34 LICENSE.
4. CONFLICTING UTILITIES SHOWN WITHIN THE CONSTRUCTION AREA WILL BE RELOCATED PRIOR TO CONSTRUCTION.
5. EXISTING 57" RCP AT STA. 9+75 SHALL BE EXPOSED AND ELEVATION VERIFIED BY CITY SURVEYORS PRIOR TO THE ISSUANCE OF GRADE SHEETS.
6. UTILITIES SHOWN IN CONFLICT WITH PROPOSED STORM DRAIN FACILITIES WILL BE RELOCATED PRIOR TO CONSTRUCTION.
7. CAST-IN-PLACE PIPE MAY BE USED AS AN ALTERNATE IN THOSE PLACES SHOWN ON THE PLANS.

GENERAL NOTES FOR TREE PLANTING

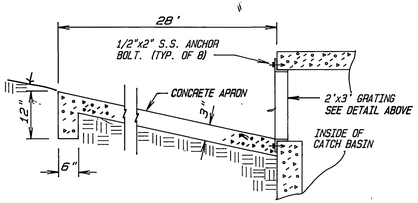
1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARDS.
2. CONTACT THE STREET TREE INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT 351-6126 TO SCHEDULE INSPECTION. INSPECTIONS SHALL BE REQUIRED:
   a) WHEN PLANT LOCATIONS HAVE BEEN SPOTTED IN THE FIELD PRIOR TO DIGGING PLANT PITS.
   b) WHILE DIGGING PLANT PITS AND PLANTING/RELOCATING TREES.
   c) AFTER PLANTING AND ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED FOR START OF MAINTENANCE.
   d) AT END OF MAINTENANCE/FINAL ACCEPTANCE. [CONTRACTOR WILL BE RELEASED FROM MAINTENANCE ONLY UPON RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PARK AND RECREATION DEPT. IS ASSUMING MAINTENANCE RESPONSIBILITIES.
3. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF NINETY (90) DAYS.
4. STREET TREE PLANTINGS SHALL BE AS FOLLOWS:

STREET	BOTANICAL NAME/COMMON NAME	LOCATION	No.
IRVING STREET	WASHINGTONIA/ MEXICAN ROBUSTA / FAN PALM	RELOCATE TO VICTORIA AVE.	1

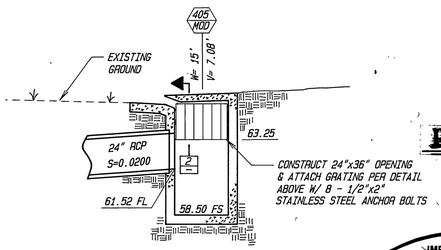
5. PARK AND RECREATION DEPARTMENT AND PUBLIC WORKS DEPARTMENT PERMITS ARE REQUIRED PRIOR TO COMMENCEMENT OF TREE RELOCATION WORK. FOR ALL TREES WITHIN THE ULTIMATE PAVEMENT AREA, BACKFILL OF ALL HOLES IS TO BE INSPECTED BY THE CITY FOR PROPER COMPACTION.
6. FINAL LOCATION OF TRANSPLANTED TREES TO BE DETERMINED BY STREET TREE INSPECTOR IN THE FIELD.



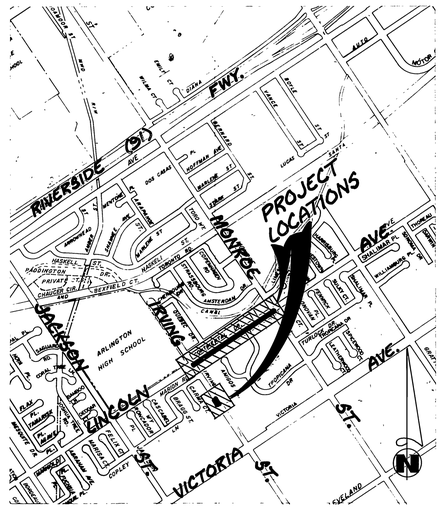
GRATING DETAIL
SCALE: 1"=1'



SECTION 2/1
SCALE: 1"=2'



SECTION 1/1
SCALE: 1"=4'



PROJECT LOCATION PLAN

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

SCALE 1"= 1000'

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number be issued before a "Permit to Excavate" will be valid
For your Dig Alert I.D Number Call Underground Service Alert
TOLL FREE 1-800-422-4133
Two working days before you dig

ENGINEER IN RESPONSIBLE CHARGE
Ronald C. Mueller
RONALD C. MUELLER
R.C.E. 29510 expires 3-31-91
DATE 3-7-89

REGISTERED PROFESSIONAL ENGINEER — RONALD C. MUELLER — NO 29510 Expires: 3-31-91 — CIVIL — STATE OF CALIFORNIA

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

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

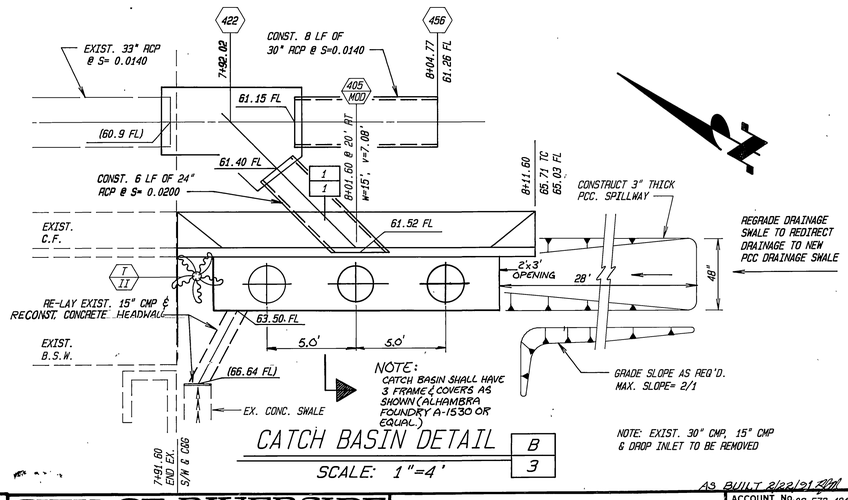
EXISTING TOPOGRAPHY:

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

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

CONCRETE		CITRUS TREE	
ASPHALT		DECIDUOUS TREE	OR
EDGE OF PAVEMENT	ep (asphalt) (dirt) ep	PALM TREE	OR
BUILDING		SHRUBBERY	OR
UNDERGROUND STRUCTURE		TREE STUMP	
OVERHANGING STRUCTURE		EVERGREEN TREE	

A=45°, B=24", C=5.15', D_1=30" D_2=33", E=5.05', L=6.05'



CATCH BASIN DETAIL B/3
SCALE: 1"=4'

NOTE: EXIST. 30" CMP, 15" CMP & DROP INLET TO BE REMOVED

AS BUILT 2/22/91 SCH

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT			
APPROVED BY	BY	DATE	APPROVED BY: Barry Bek
PRINCIPAL ENGINEER		3-8-89	PUBLIC WORKS DIRECTOR
PARK DEPARTMENT		2-10-89	DATE 3/9/89
TRAFFIC DIVISION		3-3-89	
CHIEF P.W. INSPECTOR		2-8-89	
DEPUTY P.W. DIRECTOR-ENG.		3-3	
SURVEYOR		2-7-89	
P.U.-WATER ENG.		3-7-89	

LINCOLN AVE. STORM DRAIN
MONROE ST. TO IRVING ST.
Title Sheet

DESIGNED BY SCH DRAWN BY SCH CHECKED BY RCM

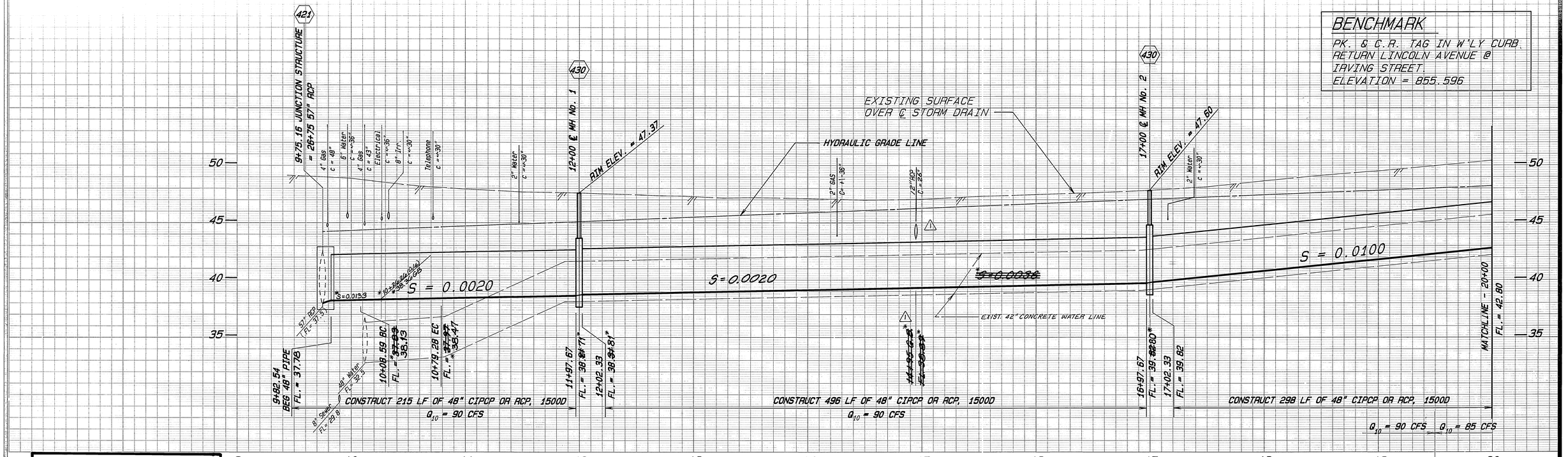
ACCOUNT No. 09-573-421
DRAWING NUMBER D-553
SHEET 1 OF 3

INDEXED 1/90 CD

H-7 H-3

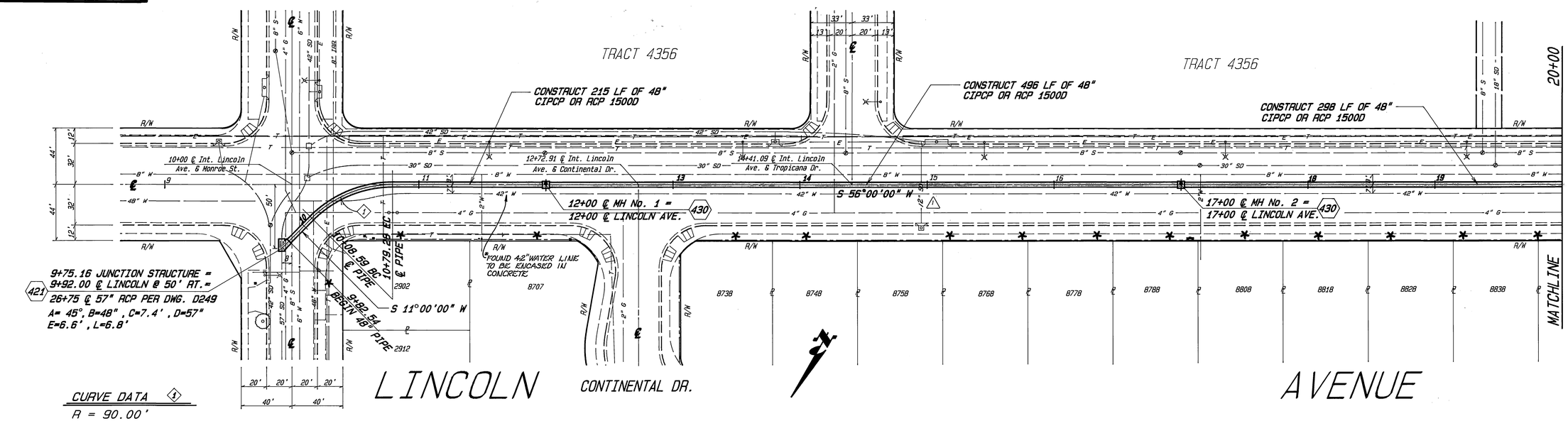
BENCHMARK

PK. & C.R. TAG IN W'LY CURB RETURN LINCOLN AVENUE @ IRVING STREET.
ELEVATION = 855.596



NOTE: MACADAM & ASPHALT LAYER WAS ENCOUNTERED 15" BELOW EXIST. A.C. SURFACE DURING POTHOLING OF 12"S.D. AND MAY BE ENCOUNTERED AT OTHER PLACES.

△



CURVE DATA ①

R = 90.00'
△ = 45°00'00"
T = 37.28'
L = 70.69

FUTURE CONN. POINT OF EXIST. 18" RCP UPON ABANDONMENT OF 30" S.D.

MARK	REVISIONS	APPR.	DATE
△	ADDED POTHOLE INFORMATION AND LOWER GRADE OF 48" RCP	PE	9-12-89

DESIGNED BY SCH DRAWN BY SCH CHECKED BY RPM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		3-8-89	
DEPUTY P.W. DIRECTOR		3-8	
TRAFFIC DIVISION		2-9-89	
CHIEF P.W. INSPECTOR		2-8-89	
SURVEYOR		2-1-89	

APPROVED BY Barry Cook
PUBLIC WORKS DIRECTOR
DATE 3/9/89

LINCOLN AVE. STORM DRAIN
MONROE ST. TO IRVING ST.

Plan and Profile
Sta. 9+75.16 to Sta. 20+00.00

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

*AS BUILT 2/22/91 RPM

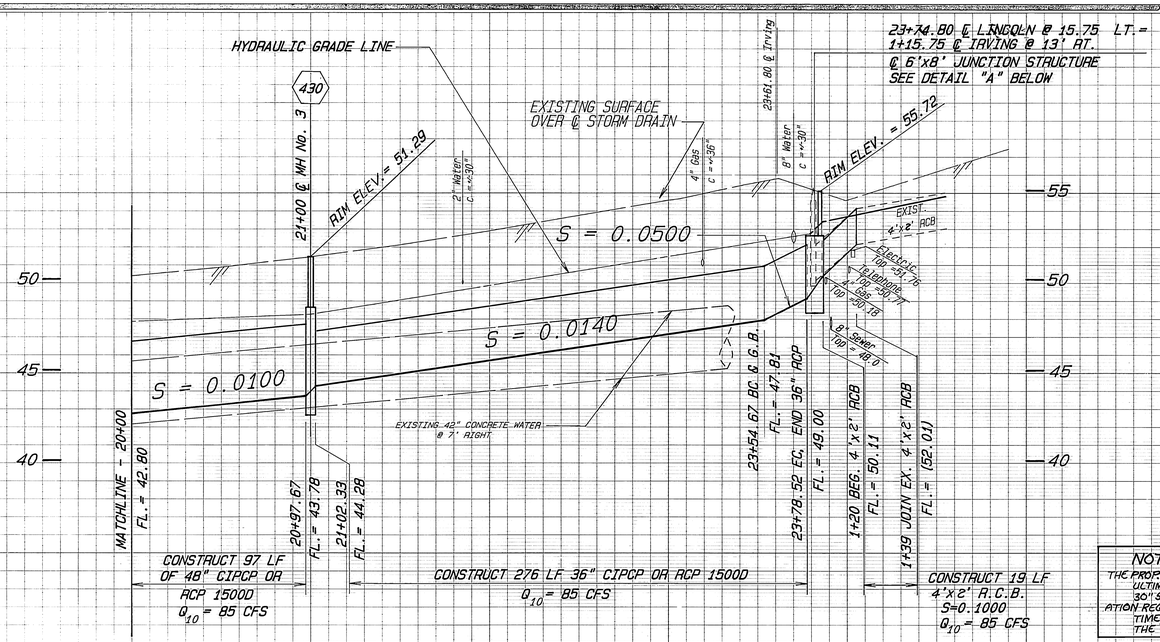
ACCOUNT NO. 09-573-421

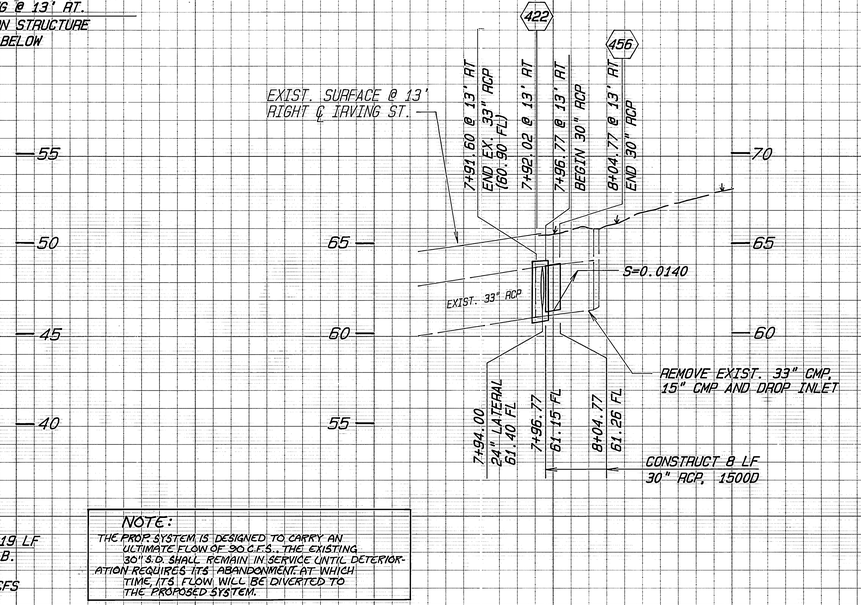
D-553

SHEET 2 OF 3

INDEXED 4/00 CD

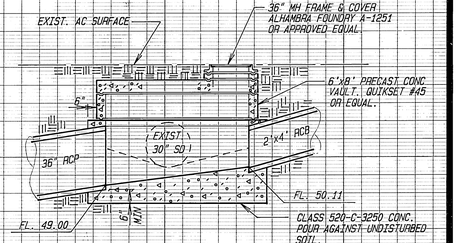
9" TELEDYNE POST



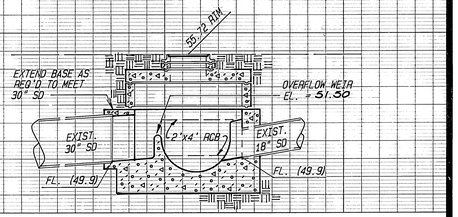


BENCHMARK

PK. & C.B. TAG IN W'LY CURB RETURN LINCOLN AVENUE @ IRVING STREET.
ELEVATION = 855.596



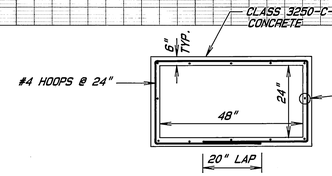
SECTION 2/3
SCALE = 1"=4'



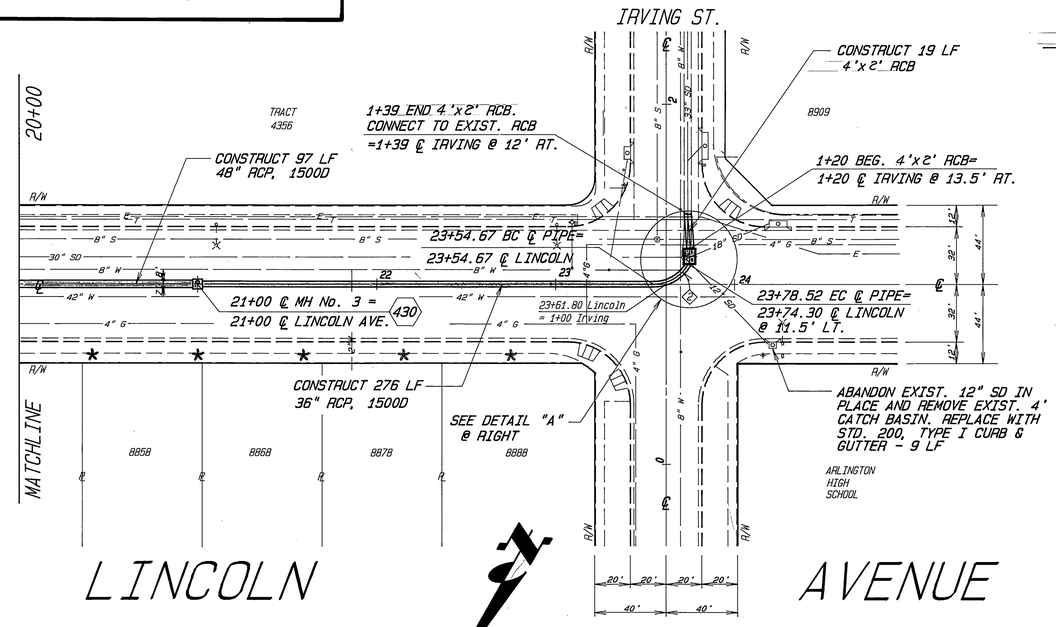
SECTION 1/3
SCALE = 1"=4'

NOTE: THE PROP SYSTEM IS DESIGNED TO CARRY AN ULTIMATE FLOW OF 90 C.F.S., THE EXISTING 30" S.D. SHALL REMAIN IN SERVICE UNTIL DETERIORATION REQUIRES ITS ABANDONMENT AT WHICH TIME, ITS FLOW WILL BE DIVERTED TO THE PROPOSED SYSTEM.

NOTE: MACADAM & ASPHALT LAYER WAS ENCOUNTERED 15" BELOW EXIST. A.C. SURFACE DURING POTHOLING OF 12" S.D. AND MAY BE ENCOUNTERED AT OTHER PLACES. ⚠1

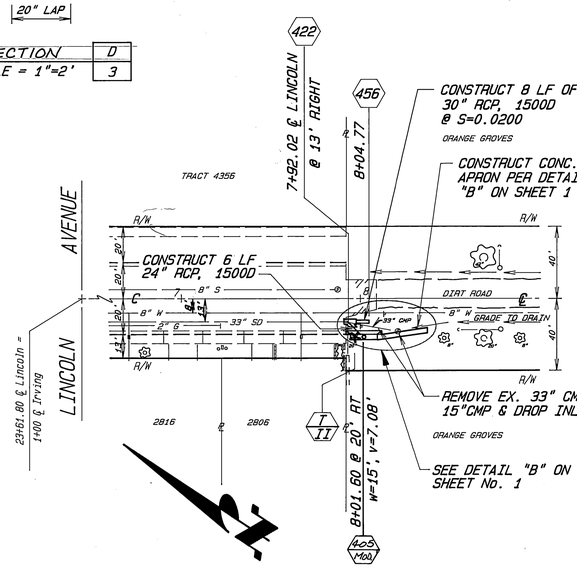


SECTION D/3
SCALE = 1"=2'

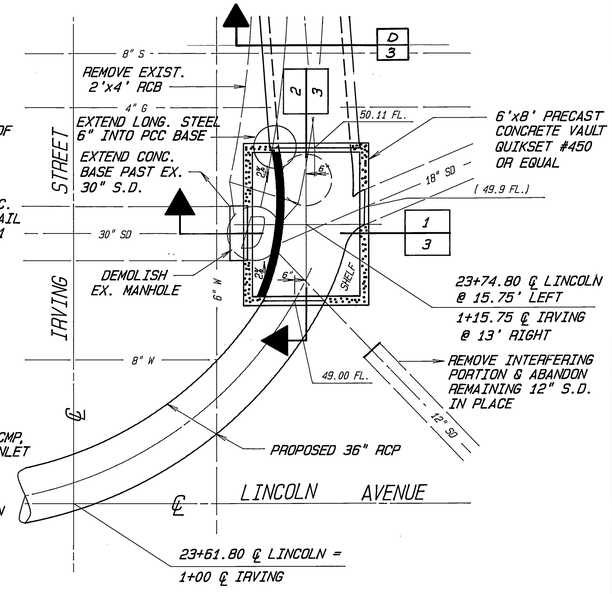


LINCOLN AVENUE

CURVE DATA ⚠2
Δ = 60°43'57"
R = 22.50'
L = 23.85'
T = 13.18'



IRVING ST.



JUNCTION STRUCTURE DETAIL A/3
SCALE = 1"=4'

AS BUILT 3/22/91 RM

MARK	REVISIONS	APPR.	DATE
⚠1	ADDED POTHOLE INFORMATION "TE"		8-2-89

DESIGNED BY SCH DRAWN BY SCH CHECKED BY RCM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	3-8-89	
DEPUTY P.W. DIRECTOR		
TRAFFIC DIVISION	2-9-89	
CHIEF P.W. INSPECTOR	2-6-89	
SURVEYOR	2-1-89	

APPROVED BY _____ PUBLIC WORKS DIRECTOR
DATE 3/9/89

LINCOLN AVE. STORM DRAIN
MONROE ST. TO IRVING ST.
Plan and Profile
Sta. 20+00 to Sta. 23+78.52

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

ACCOUNT NO. ~~89-573-421~~
D-553
SHEET 3 OF 3

INDEXED 4/00 CD

TELEDYNE POST