



LADERA ROAD N.W.

CITY OF ALBUQUERQUE, NEW MEXICO

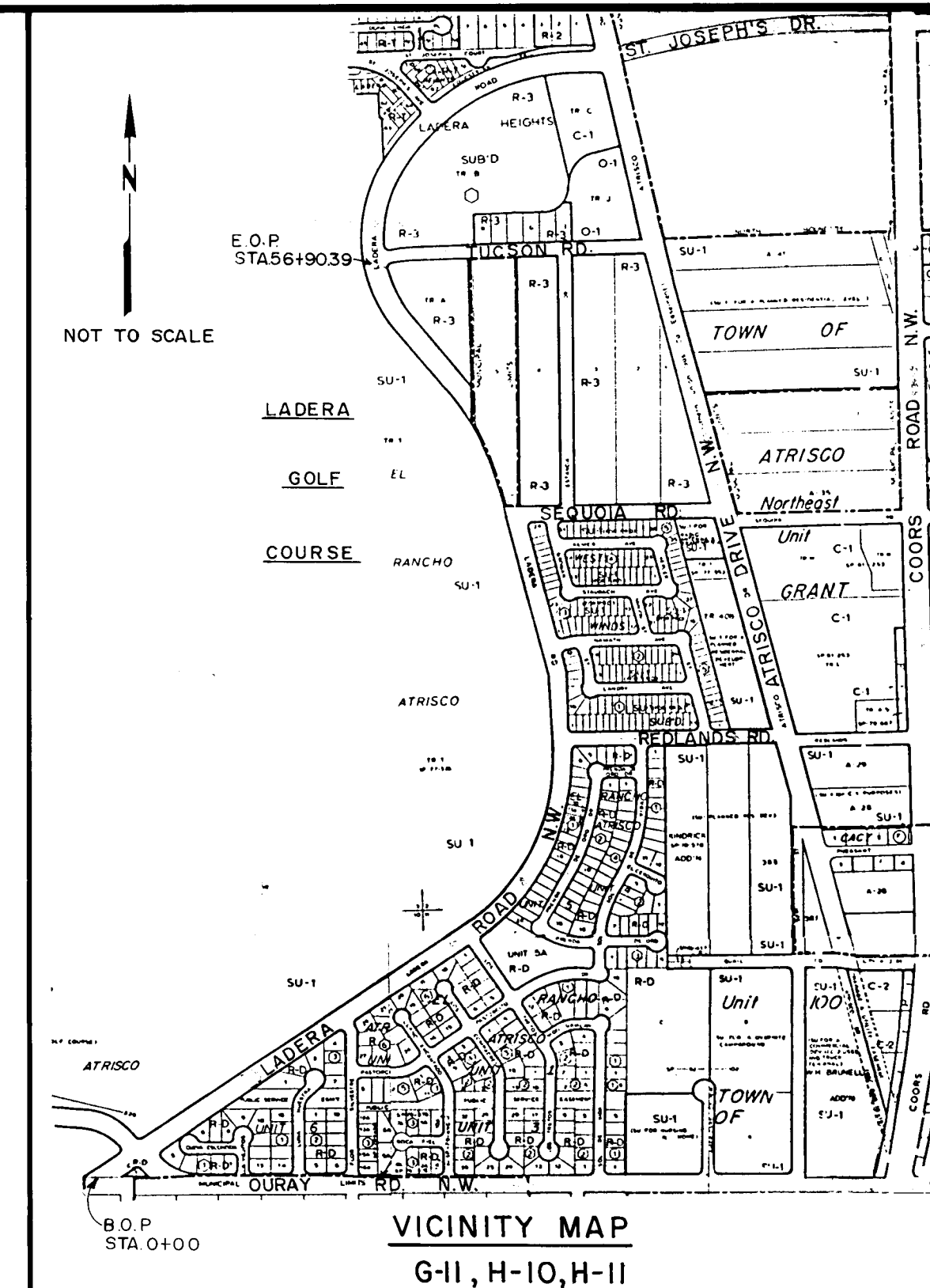
TRANSPORTATION DEPARTMENT

INDEX

DESCRIPTION

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Russell B. Blum
3-31-87
AS BUILT
3/25/87
26 24340/87

SET NO.
DATE

REV.	SHEETS	CITY ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

<i>John P. Garcia</i>	GARDNER, MASON & ASSOC., INC. ALBUQUERQUE, NEW MEXICO	APPROVED FOR CONSTRUCTION <i>C. H. Haggard</i> CITY ENGINEER DATE
		SHEET 1 OF 18

DWG. NO. 2434

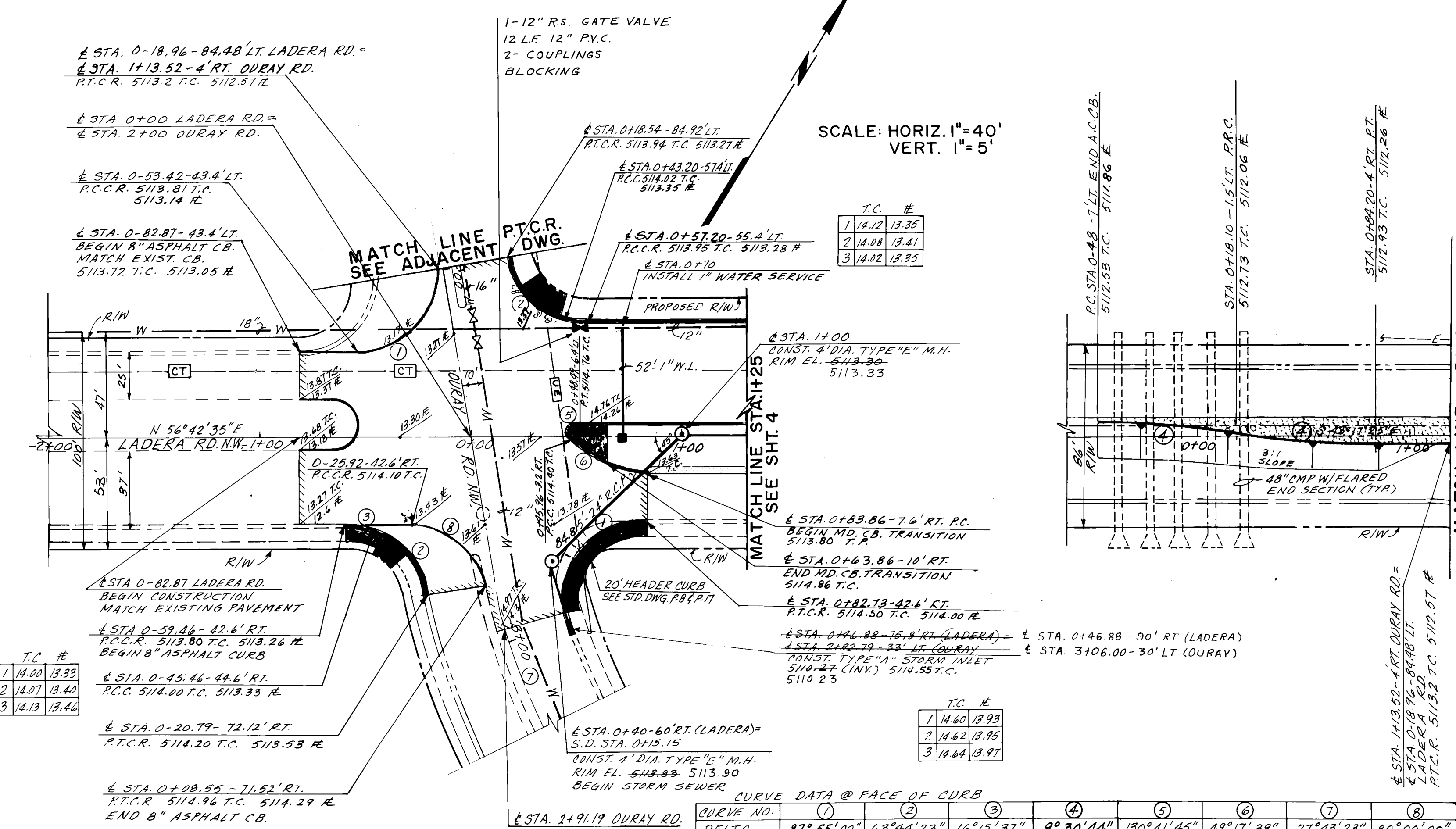
CITY OF ALBUQUERQUE STANDARD DETAILS

BID ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY					DRAWING NO.	TITLE
PAVING IMPROVEMENTS									
P-1	ROADWAY EXCAVATION, MEDIAN EXCAVATION, INCLUDING ALL BACKFILL AND COMPACTION WITHIN THE CONSTRUCTION LIMITS.	Bank CY	5,400						
P-2	BORROW AND HAULING OF SUITABLE FILL MATERIAL.	CY	13,440						
P-3	REMOVAL AND DISPOSAL OF EXISTING ASPHALTIC CONCRETE CURB.	LF	4,325						
P-4	CUTTING, REMOVAL AND DISPOSAL OF EXISTING SIDEWALK.	SY	62						
P-5	REMOVAL AND DISPOSAL OF EXISTING PCC CONCRETE CURB AND GUTTER.	LF	225						
P-6	CUTTING, REMOVAL AND DISPOSAL OF EXISTING ASPHALTIC CONCRETE PAVING.	SY	2,680						
P-7	ASPHALTIC CONCRETE SURFACE COURSE, 1 1/2" THICK, 1,800 LB STABILITY, MACHINE LAYDOWN.	SY	25,800						
P-8	ASPHALTIC CONCRETE SURFACE COURSE 2" THICK, 1,500 LB. STABILITY, MACHINE LAYDOWN.	SY	230						
P-9	EMULSIFIED ASPHALT TACK COAT, COMPLETE IN PLACE.	SY	25,800						
P-10	ASPHALTIC CONCRETE BASE COURSE, 2 1/4" THICK, 1,500 LB. STABILITY, MACHINE LAYDOWN.	SY	25,800						
P-11	ASPHALT TREATED BASE COURSE, 4" THICK, 1000 LB. STABILITY MACHINE LAYDOWN.	SY	25,800						
P-12	PROCESS AND COMPACT EXISTING SUBBASE OR IMPORTED MATERIAL, THAT HAS A SOIL BEARING VALUE OF 20 OR MORE, 8" THICK, COMPLETE IN PLACE.	SY	27,300						
P-13	SUBGRADE PREPARATION. PROCESS AND COMPACT EXISTING MATERIAL THAT HAS A SOIL BEARING VALUE OF 20 OR MORE, 12" THICK, COMPLETE IN PLACE.	SY	27,300						
P-14	EXTRUDED ASPHALT CURB.	LF	560						
P-15	PORTLAND CEMENT CONCRETE STANDARD CURB AND GUTTER, COMPLETE IN PLACE, INCLUDING SUBGRADE PREPARATION.	LF	7,300						
P-16	PORTLAND CEMENT CONCRETE MEDIAN CURB AND GUTTER, COMPLETE IN PLACE, INCLUDING SUBGRADE PREPARATION.	LF	7,205						
P-17	PORTLAND CEMENT CONCRETE (RED), 4" THICK, BRICK DESIGN FOR MEDIAN COVER, INCLUDING SUBGRADE PREPARATION.	LF	3,100						
P-18	4" THICK CONCRETE SIDEWALK, AND WHEEL CHAIR RAMPS, COMPLETE IN PLACE, INCLUDING SUBGRADE PREPARATION.	SF	1,740						
P-19	1" WATER SERVICE LINE WITH BOX, COMPLETE IN PLACE.	EA	6						
P-20	12" PVC PIPE COMPLETE IN PLACE.	LF	22						
P-21	10" PVC PIPE COMPLETE IN PLACE.	LF	25						
P-22	6" PVC PIPE COMPLETE IN PLACE.	LF	55						
P-23	MJ FITTINGS.	LB	2,535						
P-24	ADJUST MANHOLE FRAMES TO GRADE WITH MASONRY CONSTRUCTION (OVER 2")	EA	3						
P-25	ADJUSTING WATER VALVE BOXES TO GRADE.	EA	8						
P-26	TRAFFIC SIGNAL FOUNDATION, MAST ARM (MA) BASE, TYPE 2, COMPLETE IN PLACE.	EA	7						
WATERLINE IMPROVEMENTS									
P-27	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL (SP) TYPE I, COMPLETE IN PLACE.	EA	12						
P-28	TRAFFIC SIGNAL PULL BOX, STANDARD COMPLETE IN PLACE.	EA	6						
P-29	TRAFFIC SIGNAL ELECTRICAL CONDUIT, 2" PVC SCHEDULE 40, COMPLETE IN PLACE, INCLUDING CONNECTIONS TO EXISTING CONDUITS.	LF	960						
P-30	2" PVC SCHEDULE 40 CONDUIT FOR STREET LIGHTS, INCLUDING PULL BOXES, COMPLETE IN PLACE.	LF	805						
P-31	STANDARD PULL BOX FOR STREET LIGHTS, COMPLETE IN PLACE.	EA	8						
P-32	SIGNS FOR CONSTRUCTION.	SF	1,300						
P-33	STEEL POSTS AND BASE POSTS FOR DETOUR SIGNS.	LF	700						
P-34	BARRICADES, TYPE III, 8"	EA	40						
P-35	PORTABLE SIGN SUPPORTS.	EA	20						
P-36	CHANNELIZATION DEVICE BARREL 20 to 55 GALLONS.	EA	200						
P-37	VERTICAL PANELS BACK TO BACK SELECT BORROW (DAM)	EA	90						
P-38		CY	500						
DRAINAGE IMPROVEMENTS									
K-1	18" R.C.P., CLASS III, TYPE "C" BEDDING, COMPLETE IN PLACE.	LF	635						
K-2	24" R.C.P., CLASS III, TYPE "C" BEDDING, COMPLETE IN PLACE	LF	1,585						
K-3	30" R.C.P., CLASS III, TYPE "C" BEDDING, COMPLETE IN PLACE	LF	1,300						
K-4	36" R.C.P., CLASS III, TYPE "C" BEDDING, COMPLETE IN PLACE.	LF	1,855						
K-5	TRENCHING, BACKFILLING AND COMPACTION FOR 18" - 36" PIPE. 0' - 8' DEPTH.	LF	2,818						
K-6	TRENCHING, BACKFILLING AND COMPACTION FOR 18" - 36" PIPE 8' - 14' DEPTH.	LF	2,560						
K-7	TYPE "A" STORM INLET, SINGLE GRATE, COMPLETE IN PLACE.	EA	11						
K-8	4' DIAMETER TYPE "E" STORM SEWER MANHOLE, WITH SLOTTED BEEHIVE TYPE COVER, 6'-10' DEPTH IN PLACE.	EA	6						
K-9	4' DIAMETER TYPE "E" STORM SEWER MANHOLE, WITH SLOTTED BEEHIVE TYPE COVER, 6'-10' DEPTH IN PLACE	EA	7						
K-10	4' DIAMETER TYPE "E" STORM SEWER MANHOLE, 6'-10' DEPTH IN PLACE.	EA	5						
K-11	REINFORCED STRUCTURAL CONCRETE FOR OUTFALL STRUCTURE.	CY	8						
K-12	36" FLAP GATE WITH ALUMINIUM COVER, BRONZE BUSHED HINGES AND NEOPRENE SEAT MOUNTINGS.	EA	1						
K-13	CONCRETE ENCASEMENT.	CY	50						
K-14	PLAIN RIPRAP FOR GRAVEL PIT.	CY	3						
K-15	HYDRO MULCH & SEEDING.	SY	17,400						
K-16	REMOVES STORM DRAIN	LF	210						
K-17	REM & DES MH	EA	1						
K-18	18"x36" WYE RCP	EA	1						
SEWER									
S-2	6" WATER MAIN, INCL. PIPE, T.B.C., ALL DEPTHS, COMPLETE IN PLACE.	LF	250						
S-5	12" WATER MAIN, INCL. PIPE, T.B.C., ALL DEPTHS COMPLETE IN PLACE.	LF	1,497						
WATER									
W-10	NON-PRESSURIZED CONNECTION COMPLETE, IN PLACE.	EA	2						
W-14	INSERTION ONLY (COST OF FITTINGS NOT INCLUDED) OF CI, MJ FITTINGS INTO EXISTING WATER MAINS 4" THRU 8".	LB	60						
W-15	INSERTION ONLY (COST OF FITTINGS NOT INCLUDED) OF CI, MJ FITTINGS INTO EXISTING WATER MAINS 10" THRU 16".	LB	1,960						
W-16	CI FITTINGS, MJ, 4" THRU 14" CLASS 250, WITH ALL JOINTING MATERIAL, IN PLACE.	LB	2,020						
W-18	6" GATE VALVES, COMPLETE IN PLACE.	EA	4						
W-19	12" GATE VALVE, COMPLETE IN PLACE.	EA	1						
W-20	VALVE BOXES IN PLACE, TYPE B.	EA	5						
W-21	FIRE HYDRANT, 4 1/2' BURY, MJ, IN PLACE.	EA	2						
DRAINAGE									
K-3	Storm Inlet Type "A" Single Grate								
K-7	Storm Inlet Transition								
K-8	Storm Inlet Frame								
K-9	Storm Inlet Albuquerque Grate								
K-11	Center Support Assembly								
PAVING									
P-3	Arterial and Collector Streets								
P-8	Curb and Gutter & Temporary Paving Section								
P-13	Sidewalk Details								
P-14	Sidewalk Obstructions								
P-16	Wheelchair Ramp								
P-17	Wheelchair Ramp								
P-18	Mountable to Standard Curb Transition								
P-24	Manhole and Valve Box Regrading								
P-25	Citywide Pavement Cuts for All Utilities								
TRAFFIC									
T-1	Standard Transition								
T-2	Typical Street Intersection								
T-3	Typical Street Intersection								
T-4	Electrical Pull Box								
T-5	Pedestal Foundations								
T-6	Mast Arm Foundations								
T-7	Controller Foundations								
T-8	Signal Conduit Locations								
SANITARY SEWER LINE IMPROVEMENTS									
S-1	8" SAS LINE, INCLUDING TRENCHING, ALL DEPTHS, COMPLETE IN PLACE.	LF	440						
S-2	4' DIAMETER TYPE 'E' SANITARY SEWER MANHOLE, 0'-8' DEPTH, COMPLETE IN PLACE.	EA	3						
S-3	VERTICAL DROP AT NEW AND EXISTING MANHOLES INCLUDING PIPE AND FITTINGS IN PLACE.	VF	13						
S-4	4' DIA. TYPE E MANHOLE IN PLACE, ADDED COST FOR EACH ADDITIONAL FOOT OVER 8 FEET.	VF	18						
GENERAL NOTES:									
1. ALL WORK DETAILED ON THESE PLANS PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1985.									
2. REFER TO "CITY OF ALBUQUERQUE INTERIM STANDARD FOR PUBLIC WORKS CONSTRUCTION-1985", FOR TECHNICAL SPECIFICATIONS, STANDARD SERIAL DRAWINGS AND ANY SPECIAL PROVISIONS OR SPECIFICATIONS NEEDED.									
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.									
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.									
5. ALL WATER, SEWER, AND SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.									
6. INSTALLATION OF THE 1" SERVICE LINE AND METER BOX SHALL BE PER CITY STANDARD DETAIL W-10, W-15, AND W-18, AND SHALL BE COORDINATED THROUGH THE WATER RESOURCES CUSTOMER SERVICES DIVISION, 823-4045.									
7. BACKFILL COMPACTION SHALL BE 95% FOR 6" SUBGRADE.									
8. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED (STD. DET., P-17).									
9. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.									
10. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND ALL REMOVAL AND DISPOSAL OF PAVEMENT, CURB AND GUTTER AND SIDEWALK SHALL BE OBTAINED BY THE CONTRACTOR.									
11. DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.									
12. ALL WATER VALVE BOXES SHOULD BE ADJUSTED TO FINISHED GRADE WHERE NECESSARY.									
13. ALL MANHOLE RIM ELEVATIONS SHOULD BE ADJUSTED TO FINISHED GRADE WHERE NECESSARY.									
14. CROSS SECTIONS ARE FOR GENERAL INFORMATION ONLY.									
15. THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH OTHER CONSTRUCTION WORK IN SAME AREA.									
16. CLEARING AND GRUBBING IS INCIDENTAL TO ROADWAY EXCAVATION AND SHALL BE INCLUDED IN ROADWAY EXCAVATION ITEM.									
17. AMAFCA SHALL BE GIVEN ONE WEEK ADVANCE NOTICE PRIOR TO WORK ON AMAFCA FACILITIES.									

LEGEND

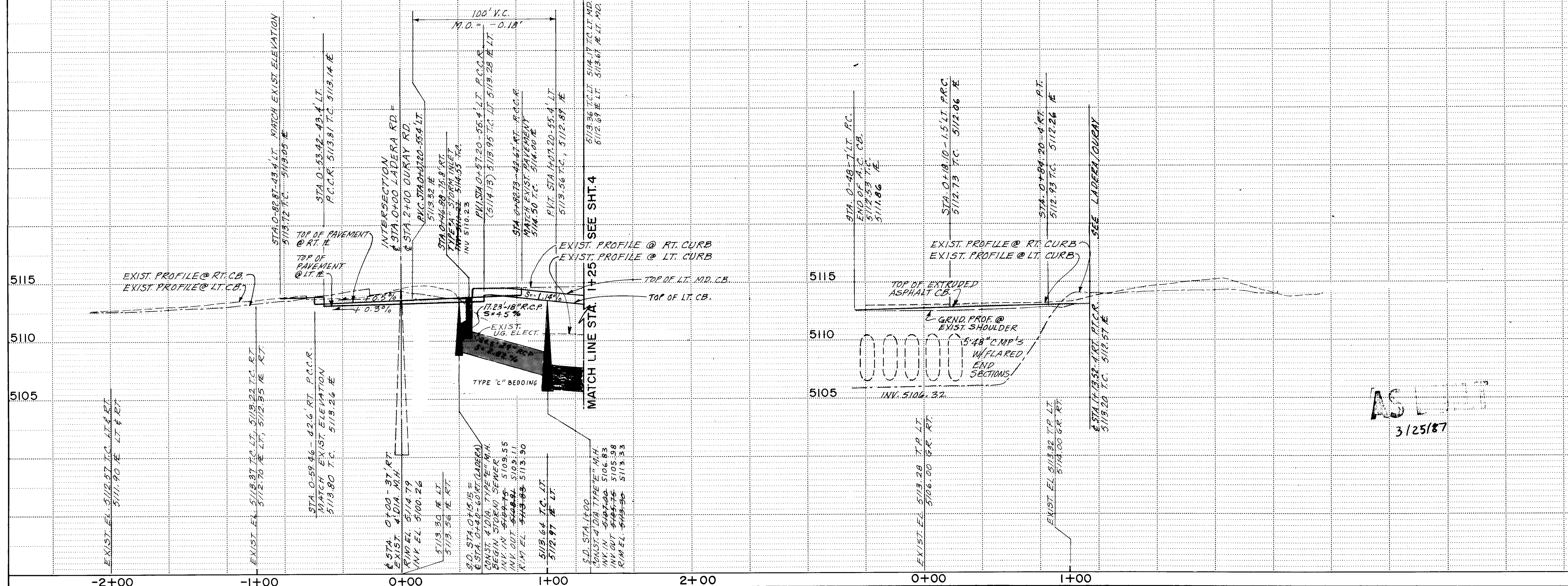
EXIST. TELEPHONE BOX	□
EXIST. GAS REGULATOR	••
EXIST. GAS	— G —
EXIST. WATER & VALVE	— W —
EXIST. SANITARY SEWER & MANHOLE	— SAS —
EXIST. STORM DRAIN & MANHOLE	— SD —
EXIST. UNDERGROUND ELECTRIC	— UE —
EXIST. UNDERGROUND TELEPHONE	— UT —
EXIST. UNDERGROUND CABLE TV	— CT —
EXIST. CABLE TV BOX	□ C.T.
EXIST. FENCE	— X —
EXIST. RIGHT OF WAY	R/W
EXIST. POWER POLE	— P.P. —
PROP. WATER LINE	— W —
PROP. WATER VALVE	— V —
PROP. FIRE HYDRANT	— F.H. —
PROP. WATER METER	— M —
NEW STORM DRAIN	— SD —
NEW STORM DRAIN MANHOLE	— SD —
NEW STORM DRAIN INLET	— SD —
JUNCTION BOX	J.B.
REINF. CONCRETE PIPE	R.C.P.
HIGH PRESSURE GAS LINE	H.P.
VERY HIGH PRESSURE GAS LINE	V.H.P.
TOP OF DRIVEPAD	T.D.P.
FINISHED FLOOR	F.F.
DRIVE WAY	D.W.
TOP OF GRATE	T.G.
TOP OF CURB	T.C.
TOP OF SIDEWALK	T.S.
FLOW LINE	— F.L. —
NEW STORM DRAIN MANHOLE WITH SLOTTED BEEHIVE COVER	— SD —

CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
TITLE: LADERA ROAD N.W.					
ESTIMATED QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/25/87	Liquid Waste	<i>[Signature]</i>	1-10-86
A.C.E. - Design	<i>[Signature]</i>	3/25/87	Traffic	<i>[Signature]</i>	1-10-86
A.C.E. - Hydrology	<i>[Signature]</i>	3/25/87	Water	<i>[Signature]</i>	1-10-86
DRAWING NO. 2434					
MAP NO. G-11, H-10, I1		SHEET 2		OF 18	



LADERA/OURAY INTERSECTION N.W.

OURAY RD. N.W.



ABBREVIATIONS

F-F FACE TO FACE
R.T.C.R. POINT OF TANGENT @ CURB RETURN
P.C.C.R. POINT OF CURVATURE @ CURB RETURN
P.R.C. POINT OF REVERSE CURVE
P.C.C. POINT OF COMPOUND CURVE
T.C. TOP OF CURB
F.F. FLOWLINE
V.C. VERTICAL CURVE
M.O. MIDDLE ORDINATE
P.V.C. POINT OF VERTICAL CURVE
P.V.I. POINT OF VERTICAL INTERSECTION
P.V.T. POINT OF VERTICAL TANGENT
S.D. STORM DRAIN
M.H. MANHOLE
M.D. MEDIAN
R/W. RIGHT OF WAY
R.C.P. REINFORCED CONCRETE PIPE
T.P. TOP OF PAVEMENT
T.G. TOP OF GRATE
H.G.L. HYDRAULIC GRADE LINE
C.I.P. CAST IRON PIPE
C.F. CURB FACE
D.I.P. DUCTILE IRON PIPE
A.C.P. ASBESTOS CEMENT PIPE
P.V.C. POLYVINYL PIPE

LEGEND

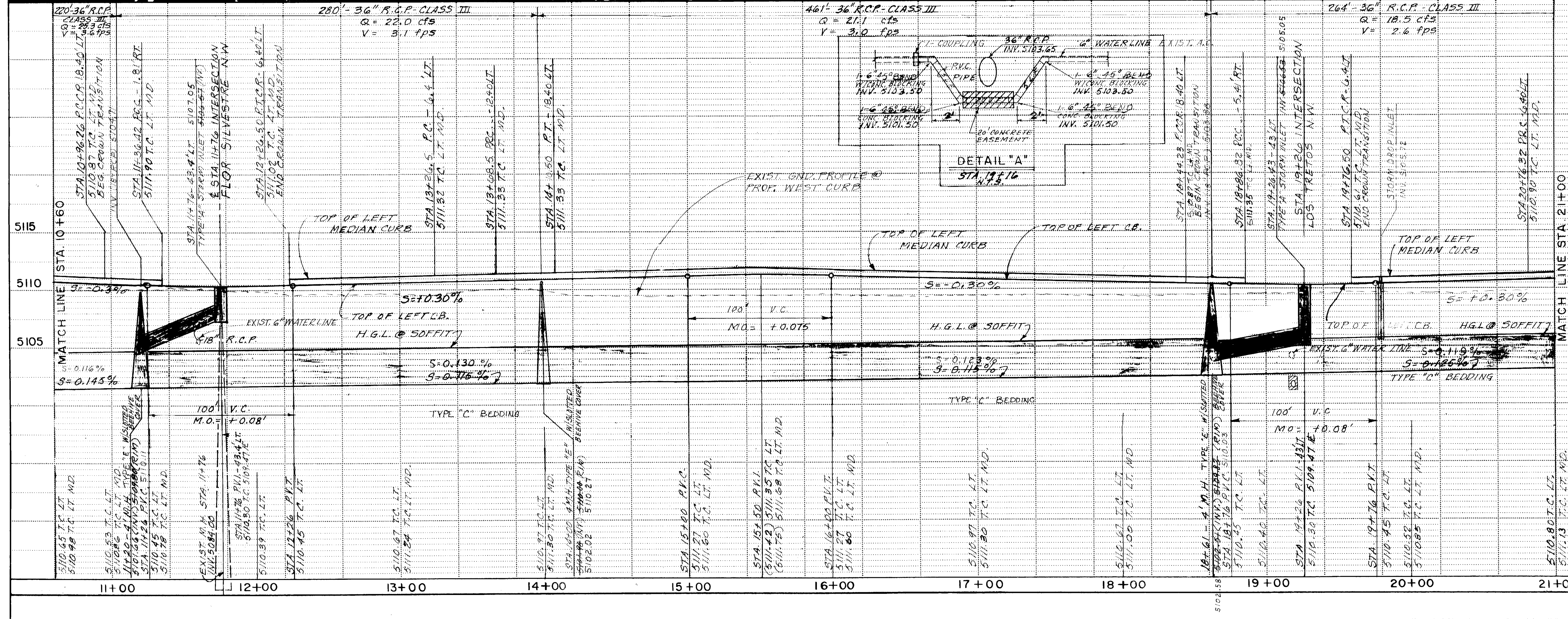
EXISTING MANHOLE
STORM DRAIN MANHOLE
STORM DRAIN LINE
STORM DRAIN INLET
EXISTING WATER LINE
WATER LINE
WATER METER
CABLE TELEVISION (EXIST.)
WHEELCHAIR RAMP
CITY STD. DWG. P-17
EXISTING CURB & GUTTER & SIDEWALK
NEW CURB & GUTTER & SIDEWALK
FUTURE CURB & GUTTER & SIDEWALK
TEMPORARY A.C. PAVEMENT PER CITY STD. DWG. P-8
EXIST. UNDERGROUND ELECTRIC
NEW 4' WIDE ASPHALT SHOULDER

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: LADERA ROAD N.W.
LADERA RD. & OURAY RD. INTERSECTION
PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Mike Tenorio	3/11/87	Liquid Waste	Mike Tenorio	1-10-86
A.C.E. - Design	Mike Tenorio	3/11/87	Traffic	Mike Tenorio	1-10-86
A.C.E. - Hydrology	Mike Tenorio	3/11/87	Water	Mike Tenorio	1-10-86

DRAWING NO. 2434 **MAP NO. G-11, H-10, I-11** **SHEET 3 OF 18**



CURVE DATA AT FACE OF CURB & G									AS BUILT INFORMATION	
CURVE NO.	①	②	③	④	⑤	⑥	⑦	⑧		
DELTA	58°24'43"	121°35'17"	180°00'00"	56°14'06"	16°15'38"	56°44'06"	18°53'53"	05°44'11"		
ARC	50.974'	10.977'	37.699'	95.131'	42.568'	992.371'	49.4751'	99.6461'		
RAD	50.00'	8.000'	12.00'	940.78'	150.000'	1002.18'	150.000'	998.780'		
TAN	27.9%	14.311'	-	518.78'	514.28'	541.14'	24.804'	49.890'		

LEGEND

- STORM DRAIN MANHOLE W/SLOTTED BAFFLE TYPE COVER(SEE SHT. 6)
- STORM DRAIN MANHOLE
- STORM DRAIN LINE
- STORM DRAIN INLET
- EXISTING WATER LINE
- WATER LINE
- WATER METER
- CABLE TELEVISION(EXIST.)
- EXISTING GATE VALVE
- NEW STANDARD CURB & GUTTER CITY STANDARD P-8
- NEW MEDIAN CURB & GUTTER CITY STANDARD P-8
- NEW 4' WIDE ASPHALT SHOULDER
- 4" THICK P.C.C. (RED) BRICK DESIGN MEDIAN ROSE PAVING
- EXISTING MANHOLE

SEE SHT. 3 FOR ABBREVIATIONS

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		A.C.S. BRASS TABLE STAMPED "5-G11"		CONTRACTOR - J.R. HALE CONST.	
		NO.	DATE	SET FLUSH WITH THE CURB IN THE MEDIAN ON LADERA AT THE INTERSECTION OF AFRISCO DR. LOCATED 4.4 MILES NORTHWEST OF DOWNTOWN, SEC. 2, T. 10 N., R. 2 E.		WORK - GORDON J. DOUGLAS INC. 25500 INSPECTORS MIKE TENDRIO ACCEPTANCE BY DATE	
						DRAWINGS VERIFICATION BY DATE	
						CORRECTED BY G.M.A. DATE 2-87	
						MICRO-FILM INFORMATION	
						RECORDED BY DATE	
						NO	

REMARKS		BY	
DESIGN		DATE	
DESIGNED BY	C.G. - PA-R.P.	DATE	1-28-85
DRAWN BY	M.K. - R.P.	DATE	1-28-85
CHECKED BY	G.G.	DATE	

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

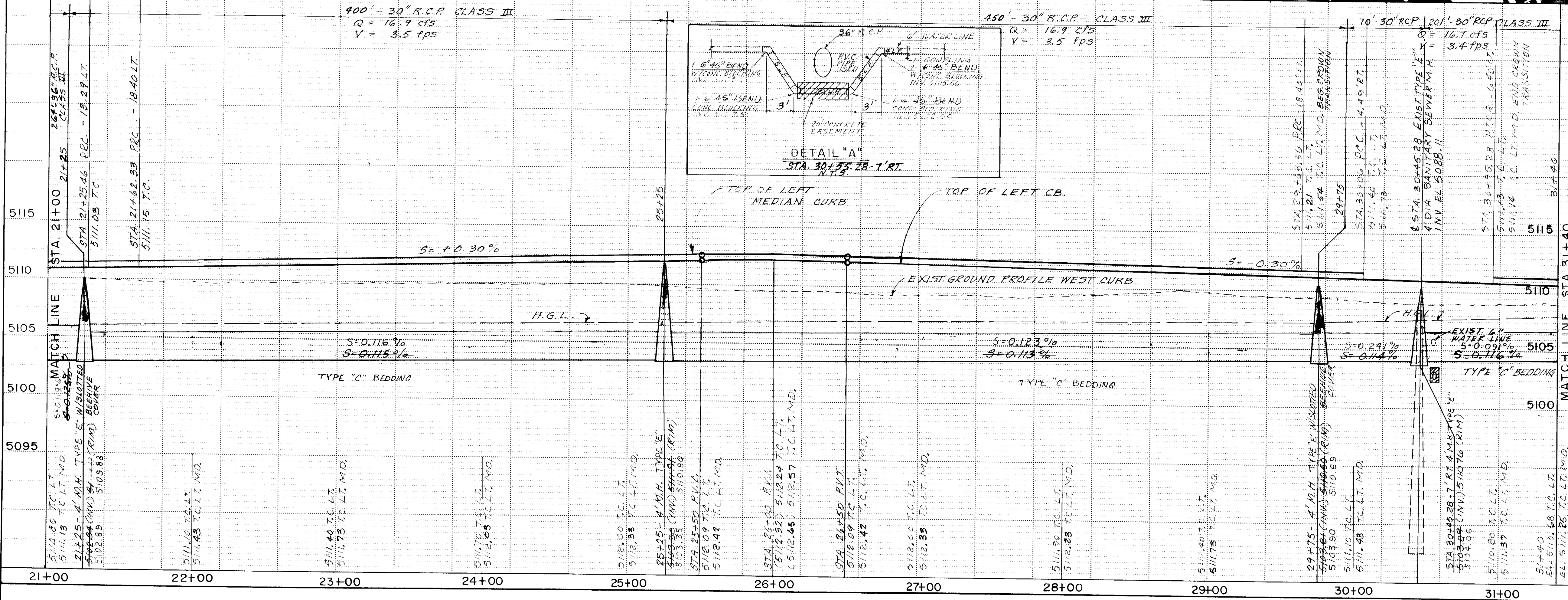
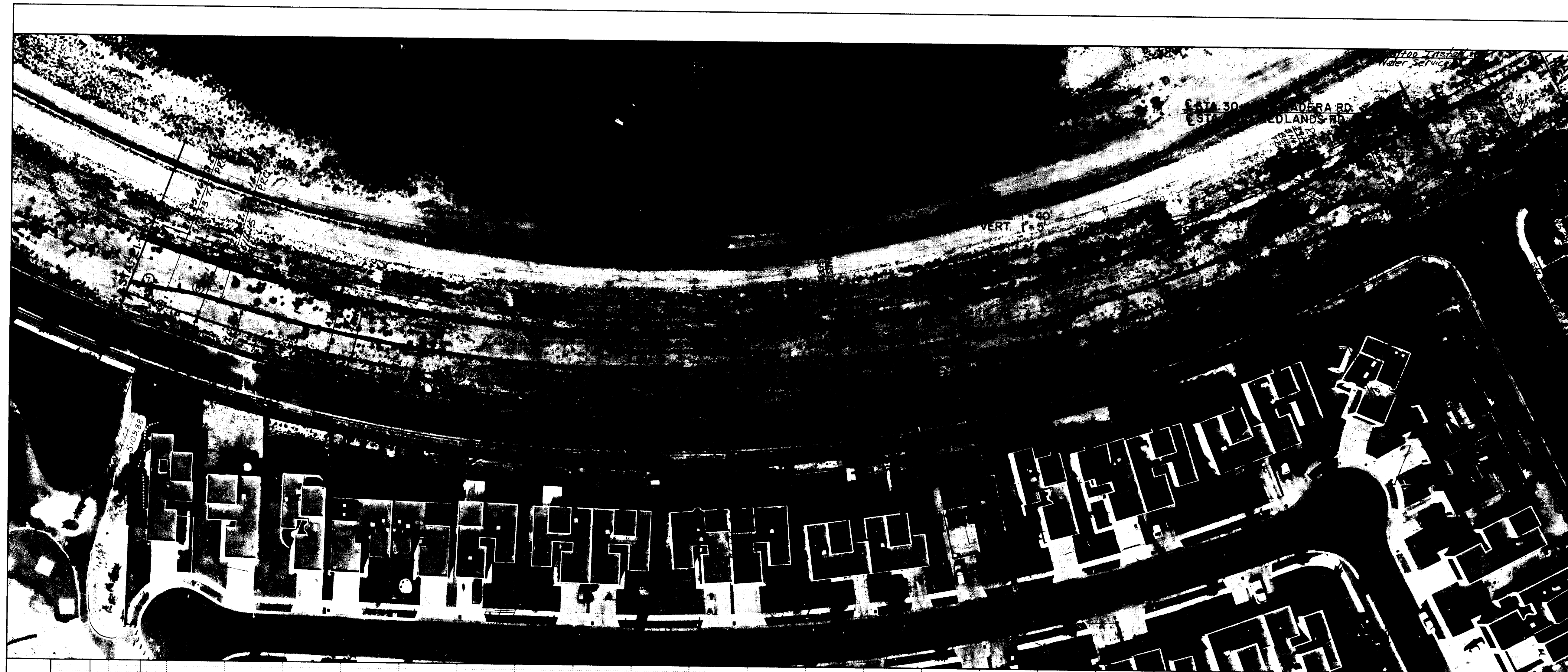
TITLE: LADERA ROAD N.W.
PLAN & PROFILE
STA. 10+60 TO 21+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	3/28/86	Liquid Waste	[Signature]	1-10-86
A.C.E.-Design	[Signature]	3/28/86	Traffic	[Signature]	1-10-86
A.C.E.-Hydrology	[Signature]	3/28/86	Water	[Signature]	1-10-86

DRAWING NO. **2434**

MAP NO. G-II, H-I, II

SHEET **5** OF **18**

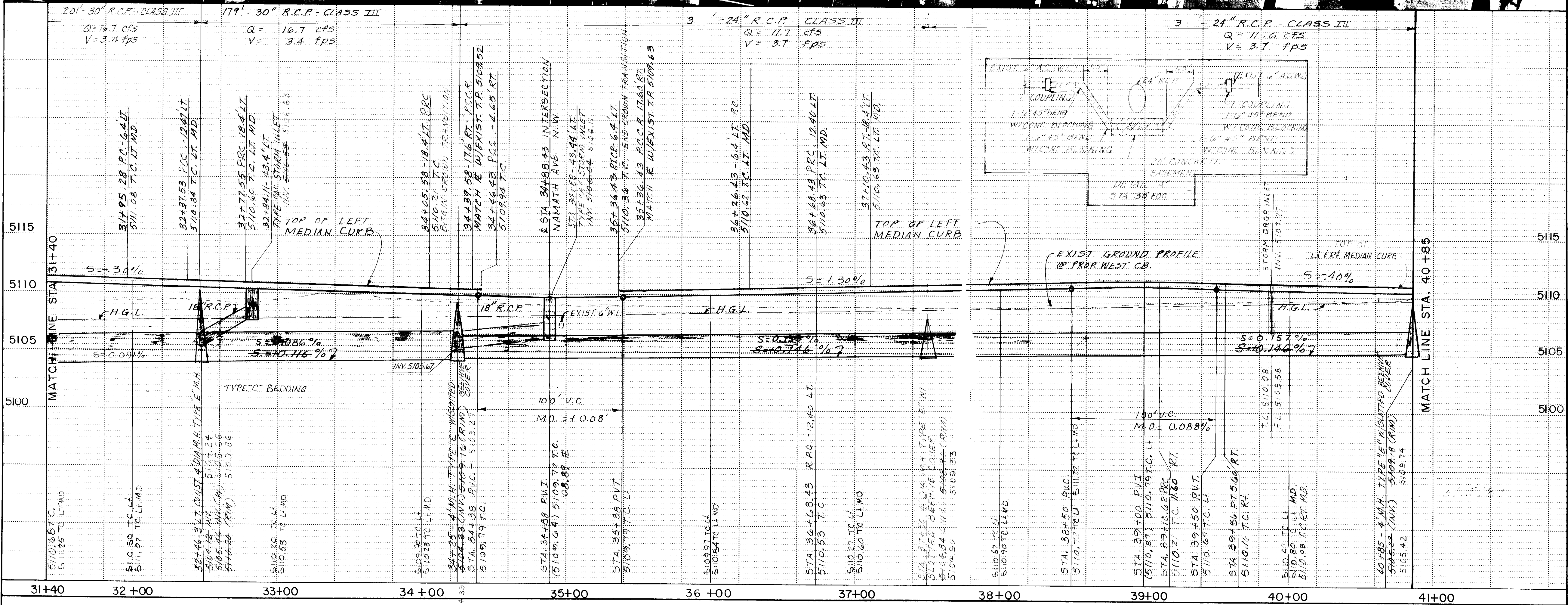
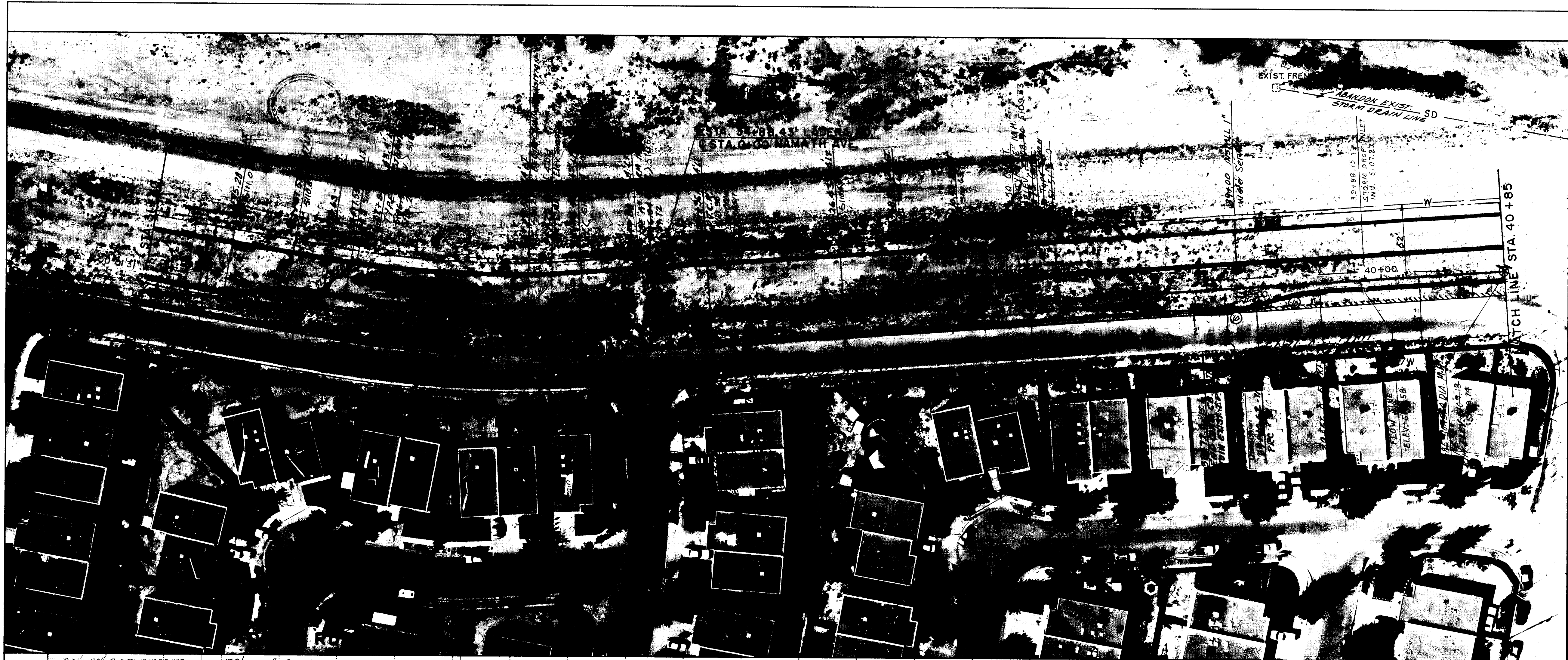


CURVE DATA AT FACE OF CURB AND CL							
CURVE NO.	①	②	③	④	⑤	⑥	⑦
DELTA	58°09'17"	121°34'11"	180°00'00"	50°04'16"	25°08'22"	56°04'06"	18°53'53"
AEC	50.550'	16.974'	87.699'	261.376'	786.514'	922.37'	49.475'
RAD	50.000'	8.000'	12.00'	96.078'	993.750'	1002.18'	150.00'
TAN	27.804'	14.305'	-	518.789'	415.635'	541.4'	18.993'

- LEGEND**
- Storm Drain Manhole w/sloped Beehive Type Cover (See Sheet 16)
 - STORM DRAIN MANHOLE
 - SD - STORM DRAIN LINE
 - STORM DRAIN INLET
 - W - EXISTING WATER LINE
 - W - WATER LINE
 - WATER METER
 - Cable Television (EXIST)
 - SAS - EXISTING SANITARY SEWER LINE
 - EXISTING SANITARY SEWER MANHOLE
 - NEW STANDARD CURB/BUTTER City Standard P.S.
 - NEW MEDIAN CURB/BUTTER City Standard P.S.
 - NEW 4' WIDE A.C. SHOULDER
 - 4" THICK P.C.C. (RED) BRIDGE DESIGN MEDIAN NOSE PAVING

SEE SHEET 3 FOR ABBREVIATIONS

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
TITLE: LADERA ROAD N.W. PLAN & PROFILE STA. 21+00 TO STA. 31+40					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/28/06	Liquid Waste	<i>[Signature]</i>	1-10-86
A.C.E. - Design	<i>[Signature]</i>	3/28/06	Traffic	<i>[Signature]</i>	1-10-86
A.C.E. - Hydrology	<i>[Signature]</i>	3/28/06	Water	<i>[Signature]</i>	1-10-86
DRAWING NO. 2434					
MAP NO. G-11, H-10, 11		SHEET 6		OF 18	

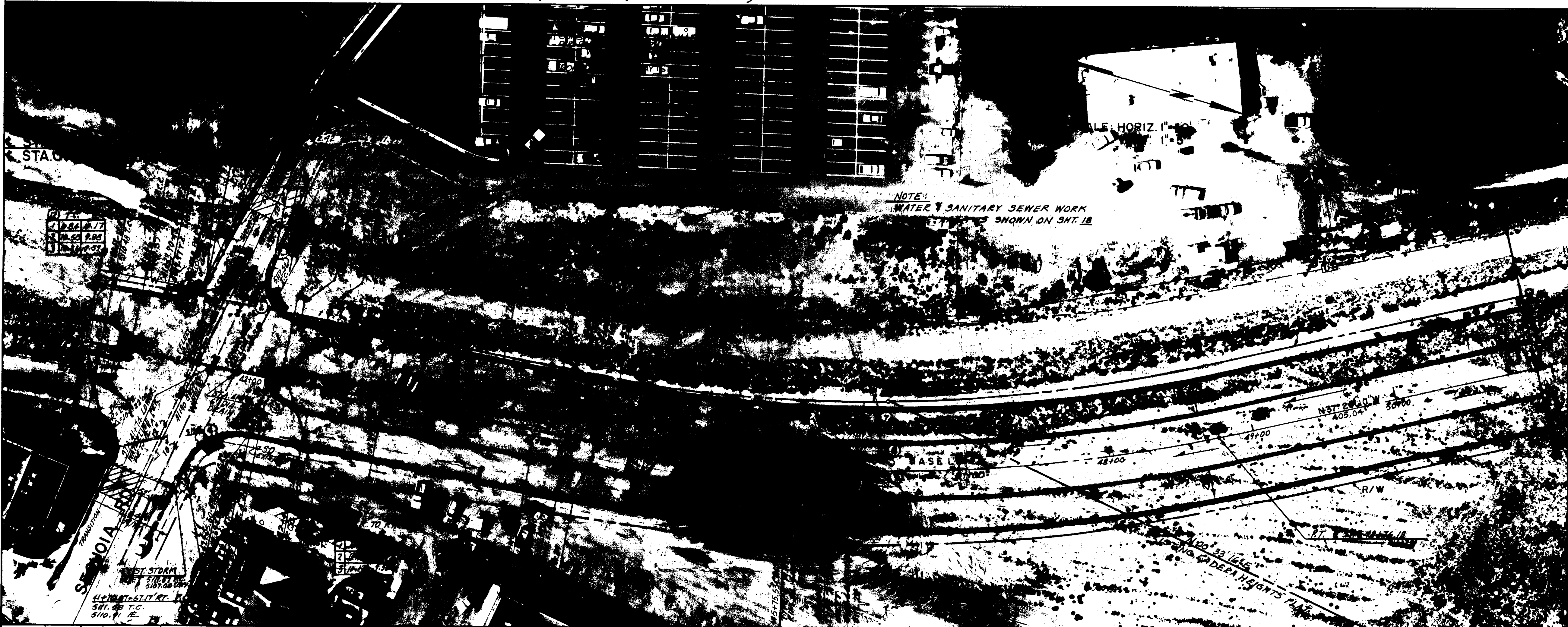


CURVE DATA AT FACE OF CURB AND E										
CURVE NO.	1	2	3	4	5	6	7	8	9	10
DELTA	16°21'29"	15°22'36"	13°25'35"	13°25'35"	13°25'35"	13°25'35"	13°25'35"	13°25'35"	13°25'35"	13°25'35"
ARC	47.825'	40.256'	189.622'	189.622'	189.622'	189.622'	189.622'	189.622'	189.622'	189.622'
RAD	150.00'	150.00'	808.191'	808.191'	808.191'	808.191'	808.191'	808.191'	808.191'	808.191'
TAN	21.559'	20.260'	95.247'	95.247'	95.247'	95.247'	95.247'	95.247'	95.247'	95.247'

- LEGEND
- THICK P.C.C. (RED) BRICK DESIGN MEDIAN NOSE PAVING
 - STORM DRAIN MANHOLE W/ SLOTTED PERFORATE TYPE COVER
 - STORM DRAIN MANHOLE
 - SD - STORM DRAIN LINE
 - STORM DRAIN INLET
 - W - EXISTING WATER LINE
 - W - WATER LINE
 - W - WATER METER
 - CABLE TELEVISION (EXIST.)
 - EXIST. SANSEWER LINE & M.H.
 - NEW S.D. CB & GTR. (CITY S.D. P.R.)
 - NEW MEDIAN CHGR. (CITY S.D. P.R.)
 - NEW 4' WIDE A.C. SHOULDER

CITY OF ALBUQUERQUE			
TRANSPORTATION DEPARTMENT			
TITLE: LADERA ROAD N.W. PLAN & PROFILE STA 31+40 TO STA 41+00			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E. - Design			Traffic
A.C.E. - Hydrology			Water
DRAWING NO. 2434		MAP NO. G-11, H-10, 11	SHEET 7 OF 18

NOTE: SEE SHT. 18A FOR DETAILS OF WEST SIDE OF INTERSECTION OF SEQUOIA & LADERA (SLOTTED DRAIN)



CURVE DATA AT FACE OF CURB AND									
CURVE NO.	1	2	3	4	5	6	7	8	9
DELTA	108° 03' 43"	144° 02' 58"	35° 53' 02"	75° 44' 17"	16° 18' 00"	15° 43' 44"	23° 52' 47"	23° 52' 47"	23° 52' 47"
ARC	45.47'	20.11'	31.57'	42.900'	42.900'	42.900'	47.182'	495.210'	495.210'
RAD	25.00'	8.00'	32.00'	32.00'	32.00'	32.00'	32.00'	150.000'	150.000'
TAN	32.150'	24.66'	16.22'	24.884'	21.482'	20.721'	20.721'	20.721'	20.721'

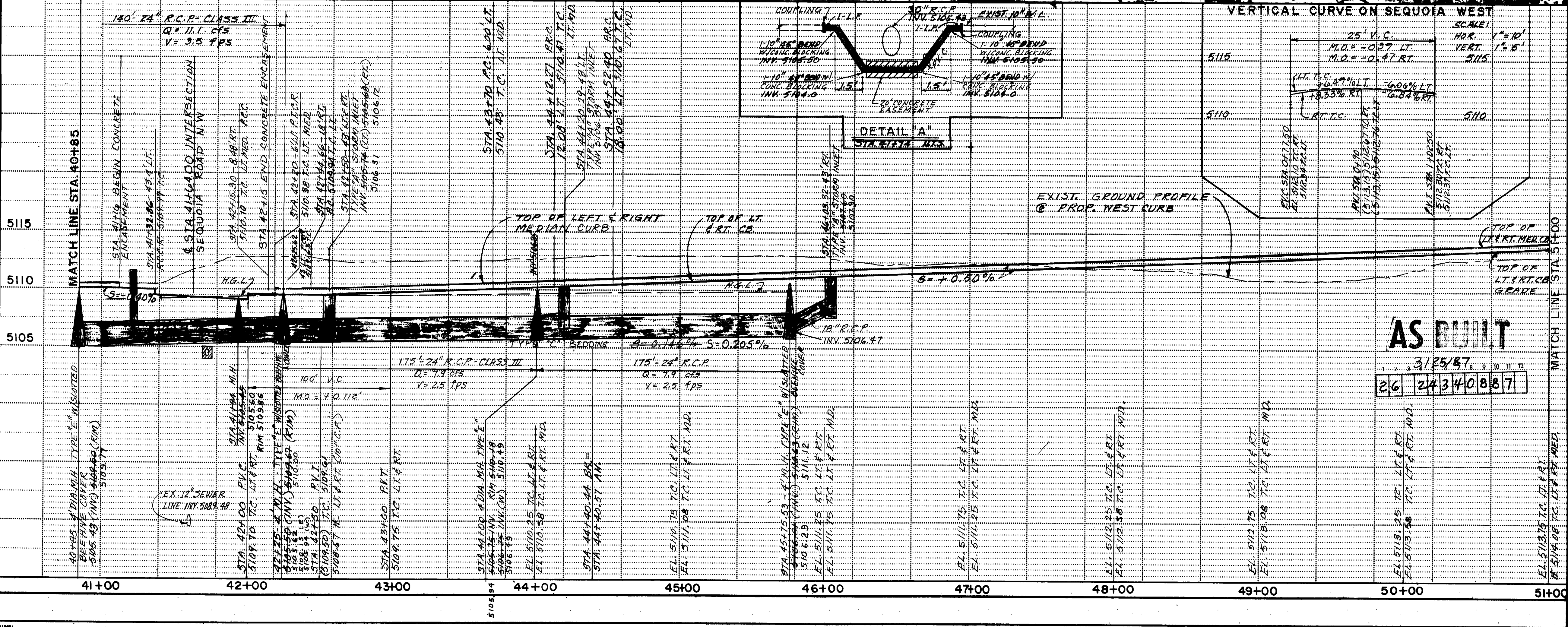
CURVE NO.			
DELTA	33° 49' 52"	146° 10' 08"	146° 10' 08"
ARC	39.047'	29.523'	21.20'
RAD	25.00'	50.00'	7.83'
TAN	19.44'	15.206'	5.157'

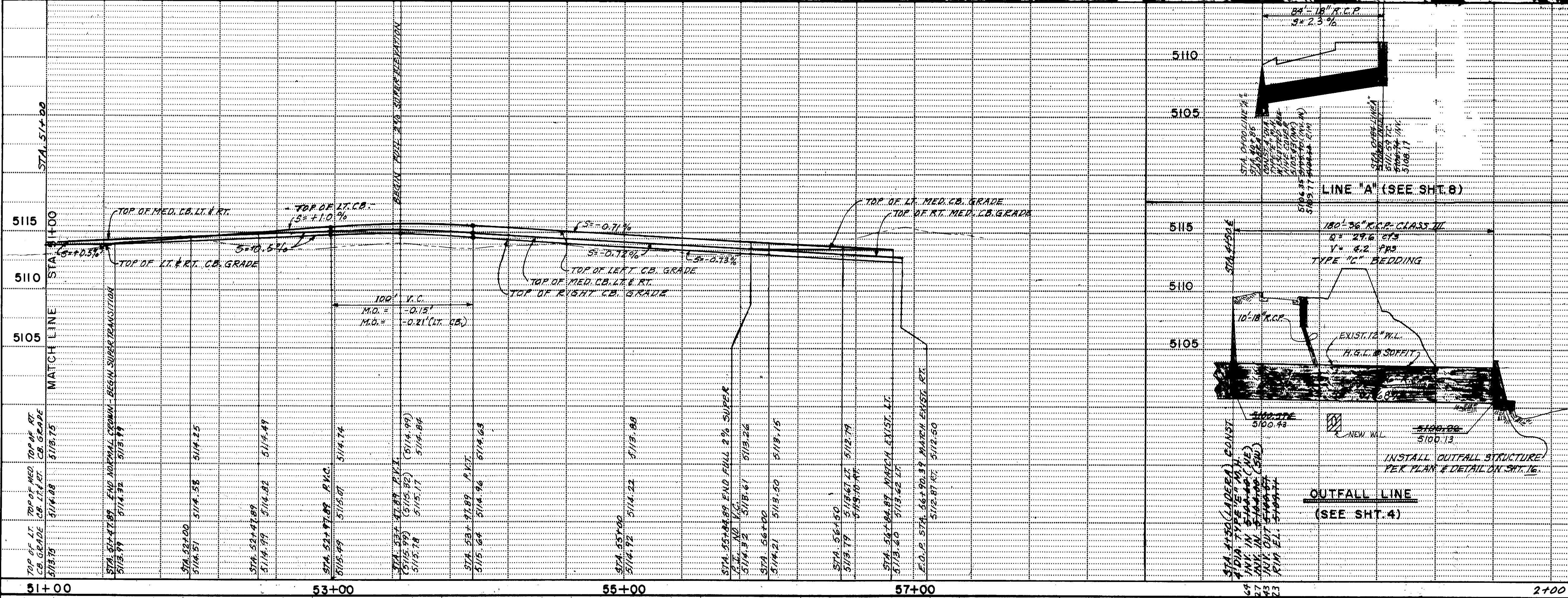
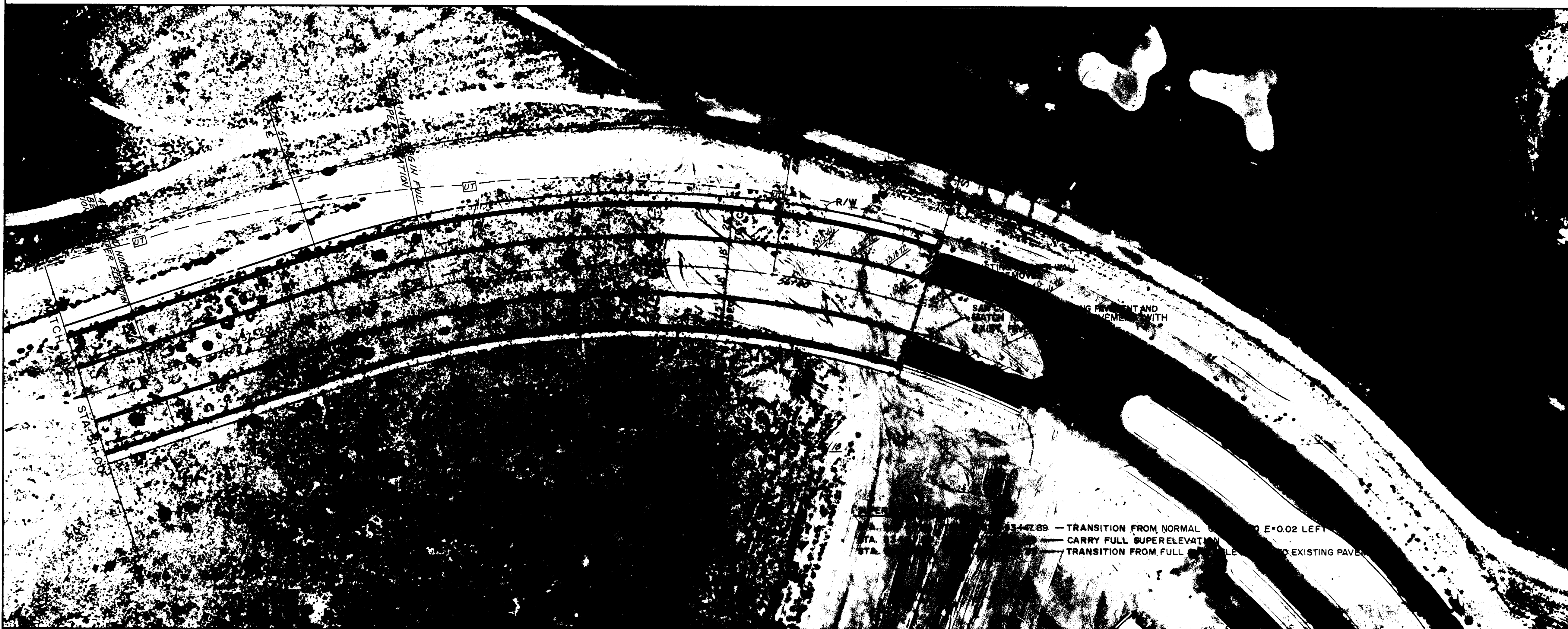
LEGEND

- STORM DRAIN MANHOLE COVER IN SLOTTED BEHIND TYPE COVER (SEE SHT. 18)
- STORM DRAIN MANHOLE (EXIST.)
- STORM DRAIN MANHOLE
- STORM DRAIN LINE (EXIST.)
- STORM DRAIN LINE
- SANITARY SEWER LINE (EXIST.)
- STORM DRAIN INLET
- EXISTING STORM INLET
- EXISTING WATER LINE
- WATER LINE
- WATER METER
- CABLE TELEVISION (EXIST.)
- UNDERGROUND TELEPHONE (EXIST.)
- POWER POLE
- VALLEY GUTTER
- TEMPORARY PAVEMENT PER CITY STD. DWG. P-8
- NEW STD. CURB & GUTTER (CITY STD. P-8)
- NEW MEDIAN CURB & GUTTER (CITY STD. P-8)
- 4" THICK P.C.C. (RED) BRICK DESIGN MEDIAN NOSE PAVING
- EXISTING FENCE

SEE SHT. 3 FOR ABBREVIATIONS

CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
TITLE: LADERA ROAD N.W. PLAN & PROFILE STA. 41+00 TO STA. 51+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	W. J. ...	5/1/86	Liquid Waste	N/A	1-20-86
A.C.E. - Design	...	...	Traffic	...	...
A.C.E. - Hydrology	...	...	Water	...	...
DRAWING NO. 2434 MAP NO. G-11, H-10, H-11 SHEET 8 OF 18					





CURVE DATA AT FACE OF CURB AND E					
CURVE NO.	1	2	3	4	5
DELTA	35° 11' 25"	35° 11' 25"	35° 11' 25"	35° 11' 25"	35° 11' 25"
ARC	435.554'	420.228'	409.171'	398.116'	387.161'
PC	709.20'	684.20'	664.20'	644.20'	623.20'
TAN	224.90'	216.97'	211.26'	205.56'	197.63'

- LEGEND
- STORM DRAIN MANHOLE
 - SD — STORM DRAIN LINE
 - W — EXISTING WATER LINE
 - W — WATER LINE
 - CTV — CABLE TELEVISION (EXIST.)
 - UT — UNDERGROUND TELEPHONE EXIST.
 - NEW STD. CURB & GUTTER (CITY STD. P-8)
 - NEW MEDIAN CURB & GUTTER (CITY STD. P-8)

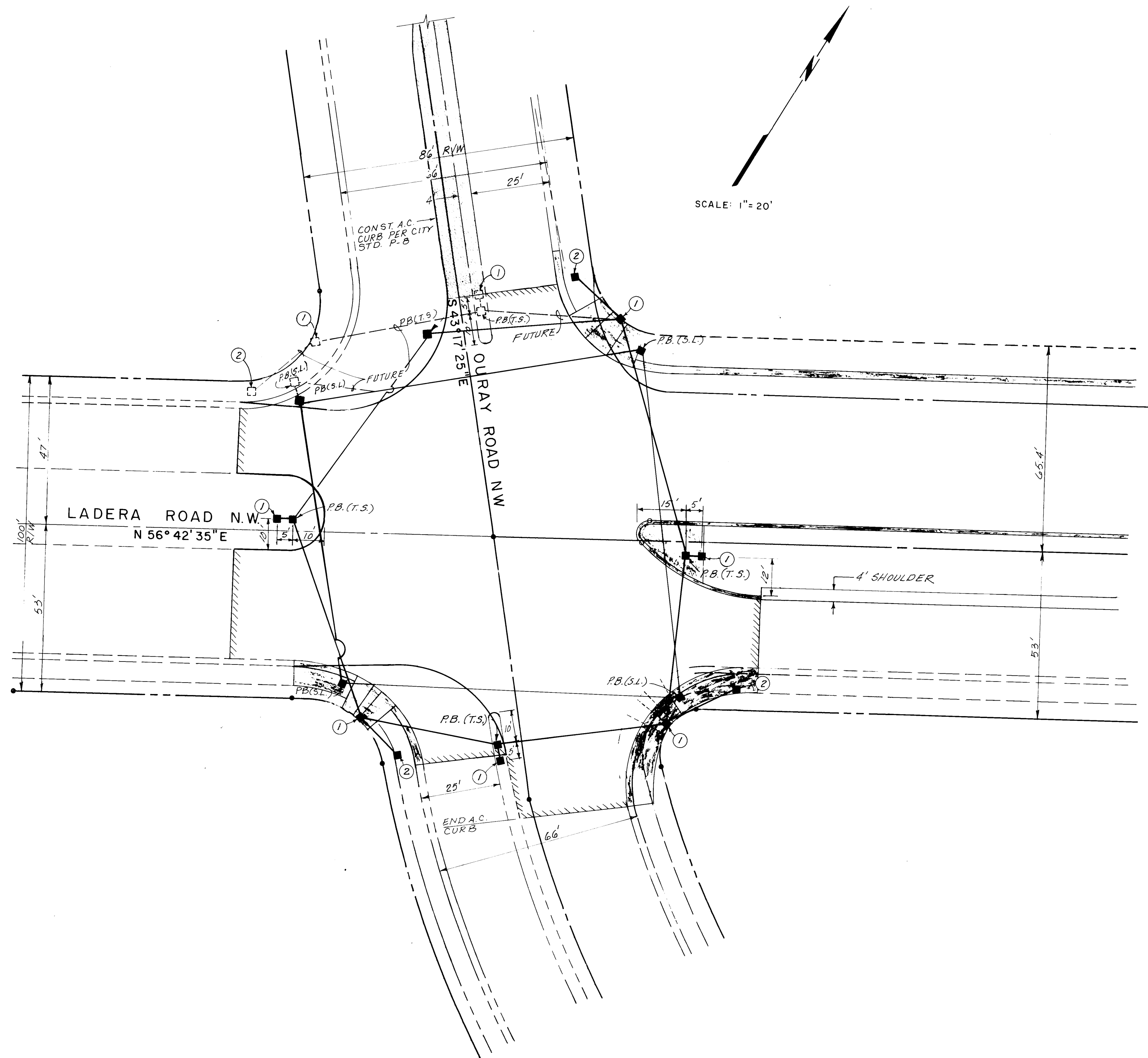
ENGINEER'S SEAL		REMARKS	
		BY	
		DATE	
DESIGNED BY		DATE	
		DATE	
DRAWN BY		DATE	
		DATE	
CHECKED BY		DATE	
		DATE	

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: LADERA ROAD N.W.
PLAN & PROFILE
STA. 51+00 TO STA. 56+90.39 E.O.P.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	W. J. Douglas	3/25/87	Liquid Waste	NIA 02	1-10-86
A.C.E. - Design	W. J. Douglas	3/25/86	Traffic	NIA 02	1-10-86
A.C.E. - Hydrology	W. J. Douglas	3/25/86	Water	NIA 02	1-10-86

DRAWING NO. 2434 MAP NO. 9 OF 18
G-11, H-10, H-11



NOTE:
TRAFFIC SIGNALIZATION
DETERMINED BY CITY TRAFFIC ENGINEER

- LEGEND**
- ① PEDESTAL SIGNAL FOUNDATION TYPE I, CENTER AT BACK OF HANDICAP RAMP OR AS NOTED IN MEDIAN.
 - ② MAST ARM FOUNDATION TYPE II AT CURB RETURN AND ADJACENT TO SIDEWALK
 - P.B. PULL BOX
 - T.S. TRAFFIC SIGNALIZATION
 - S.L. STREET LIGHTING
 - TEMPORARY A.C. PAVEMENT PER CITY STD. P-8
 - NEW 4' WIDE A.C. SHOULDER

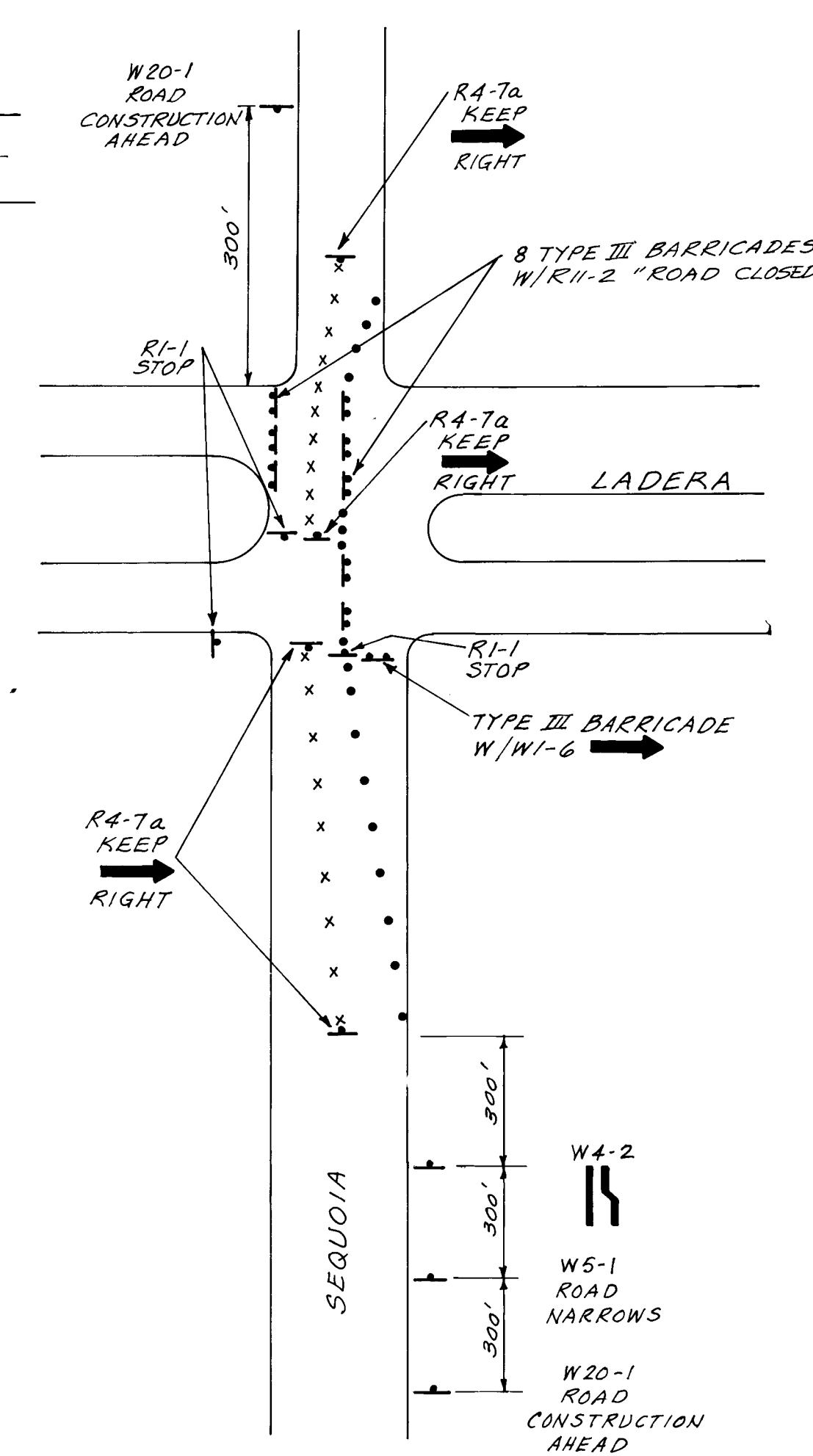
- NOTES:**
1. ALL STREET LIGHTING CONDUIT SHALL BE 2"
 2. ALL TRAFFIC SIGNALIZATION CONDUIT SHALL BE 2"

3/25/87

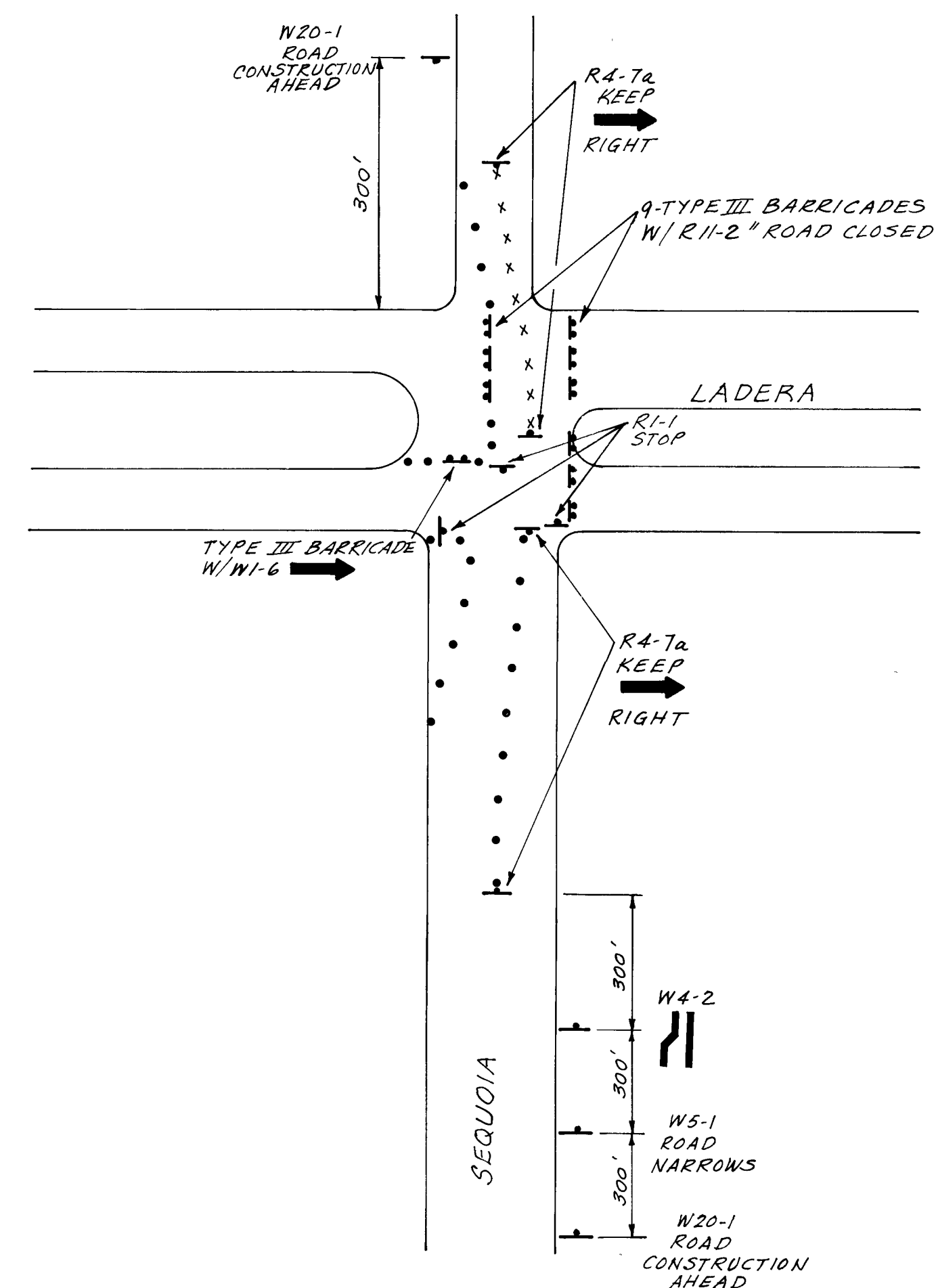
4041087

CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
TITLE: LADERA ROAD N.W.					
TRAFFIC SIGNALIZATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/21/87	Liquid Waste	N/A	2-10-88
A.C.E.-Design	<i>[Signature]</i>	3/22/87	Traffic	D.A. Parks	1-10-86
A.C.E.-Hydrology	<i>[Signature]</i>	3/22/87	Water	N/A	1-10-86
DRAWING NO. 2434					
MAP NO. G-II, H-10, II			SHEET 10 OF 18		

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	DATE	A.C.S. BRASS TABLE STAMPED 5-4-11"	SET FLUSH WITH THE CURB IN THE MEDIAN ON LADERA AT THE INTERSECTION OF ATRISCO DR. LOCATED SEC. 2, T. 10 N., R. 2 E.	CONTRACTOR J.R. HALE CONST.	DATE 6/86
						INSPECTOR'S NAME	DATE
						FIELD ENGINEER NAME	DATE
						VERIFICATION BY	DATE
						CORRECTED BY G.M.A.	DATE 2/87
						MICRO-FILM INFORMATION	DATE
						RECORDED BY	DATE
						NO.	DATE



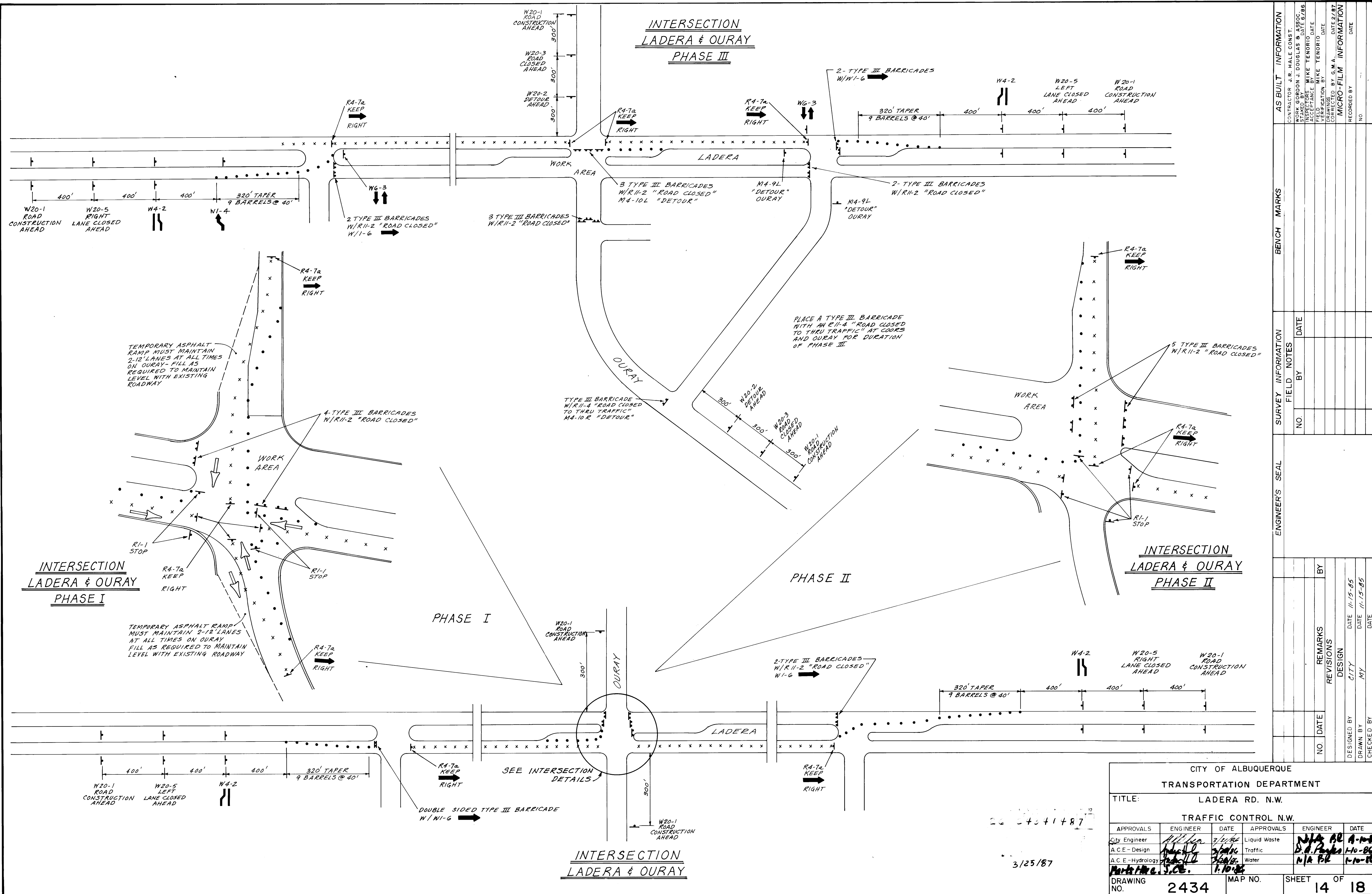
INTERSECTION
LADERA & SEQUOIA
PHASE I

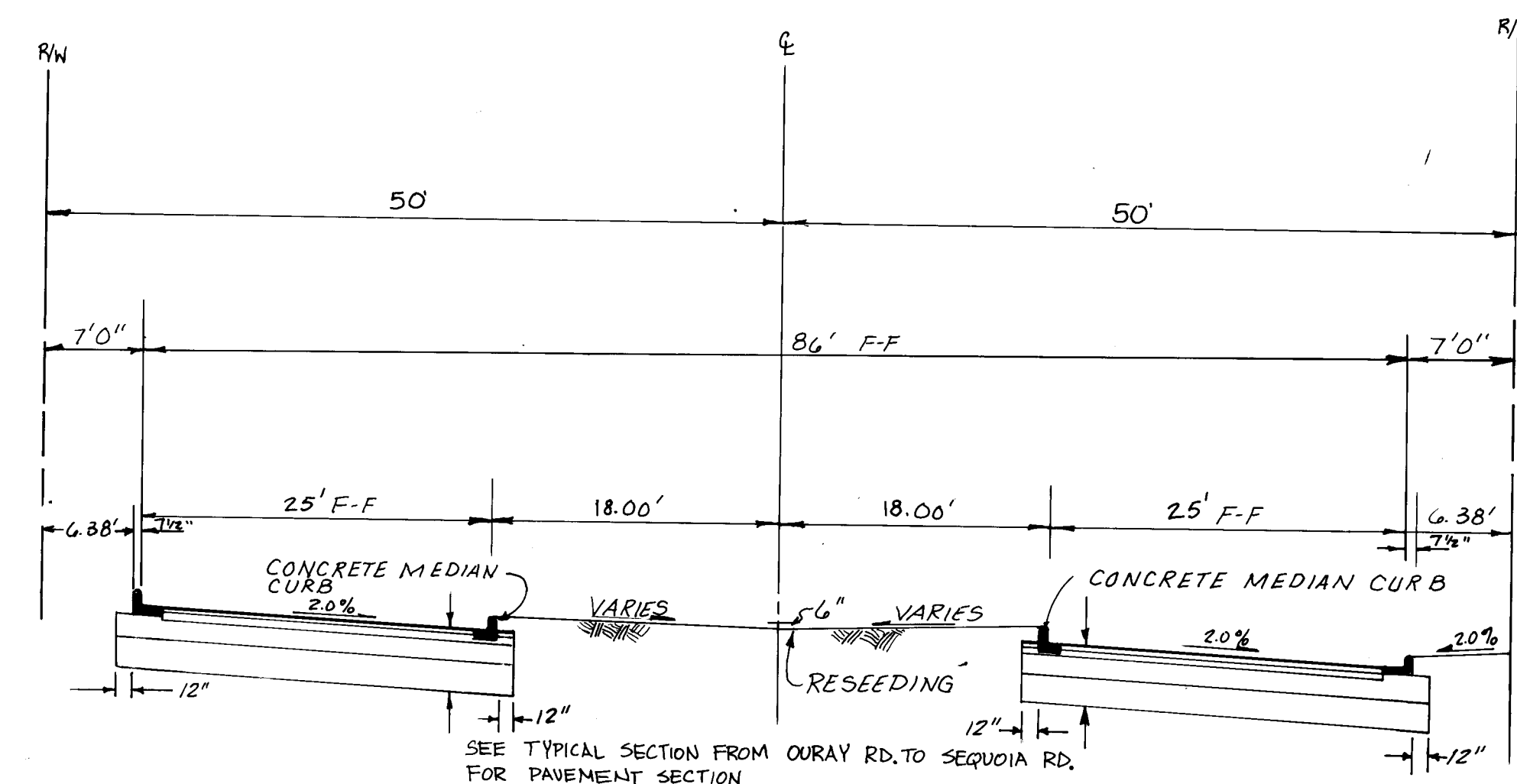
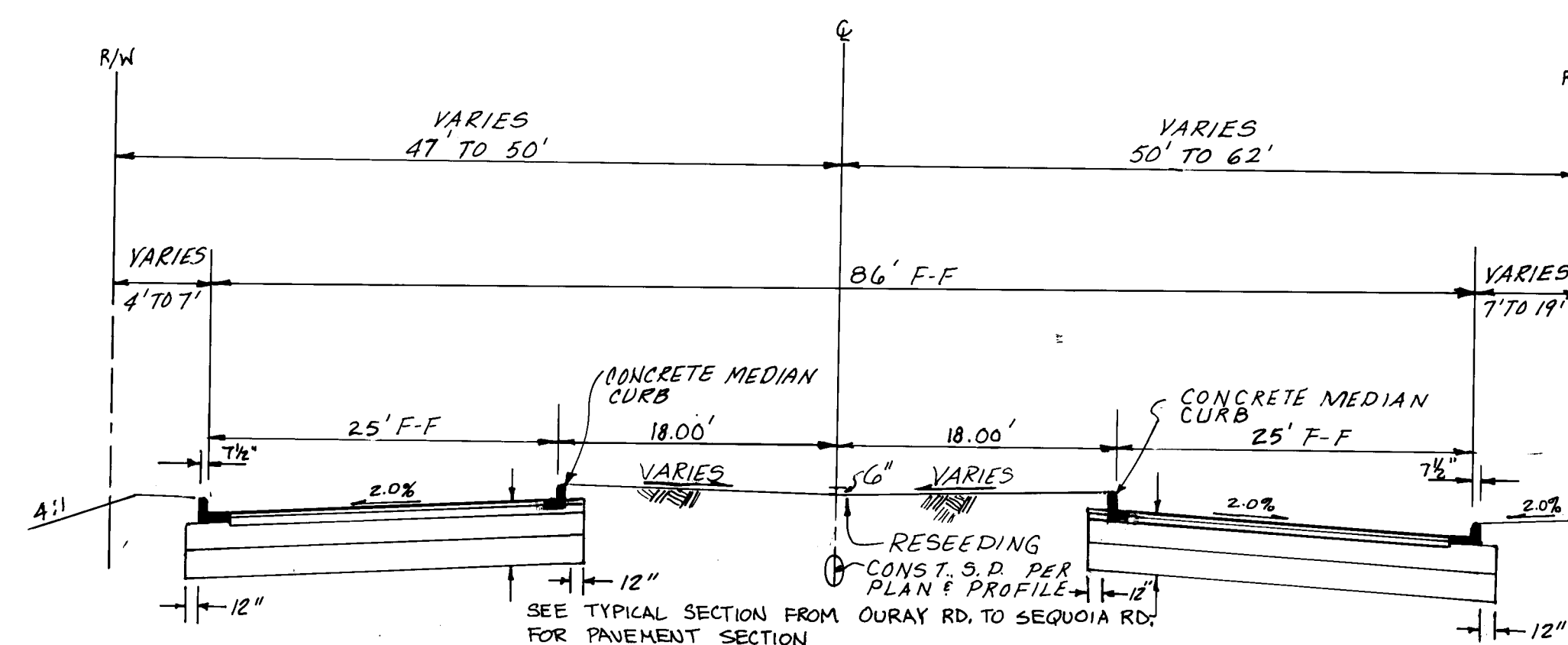
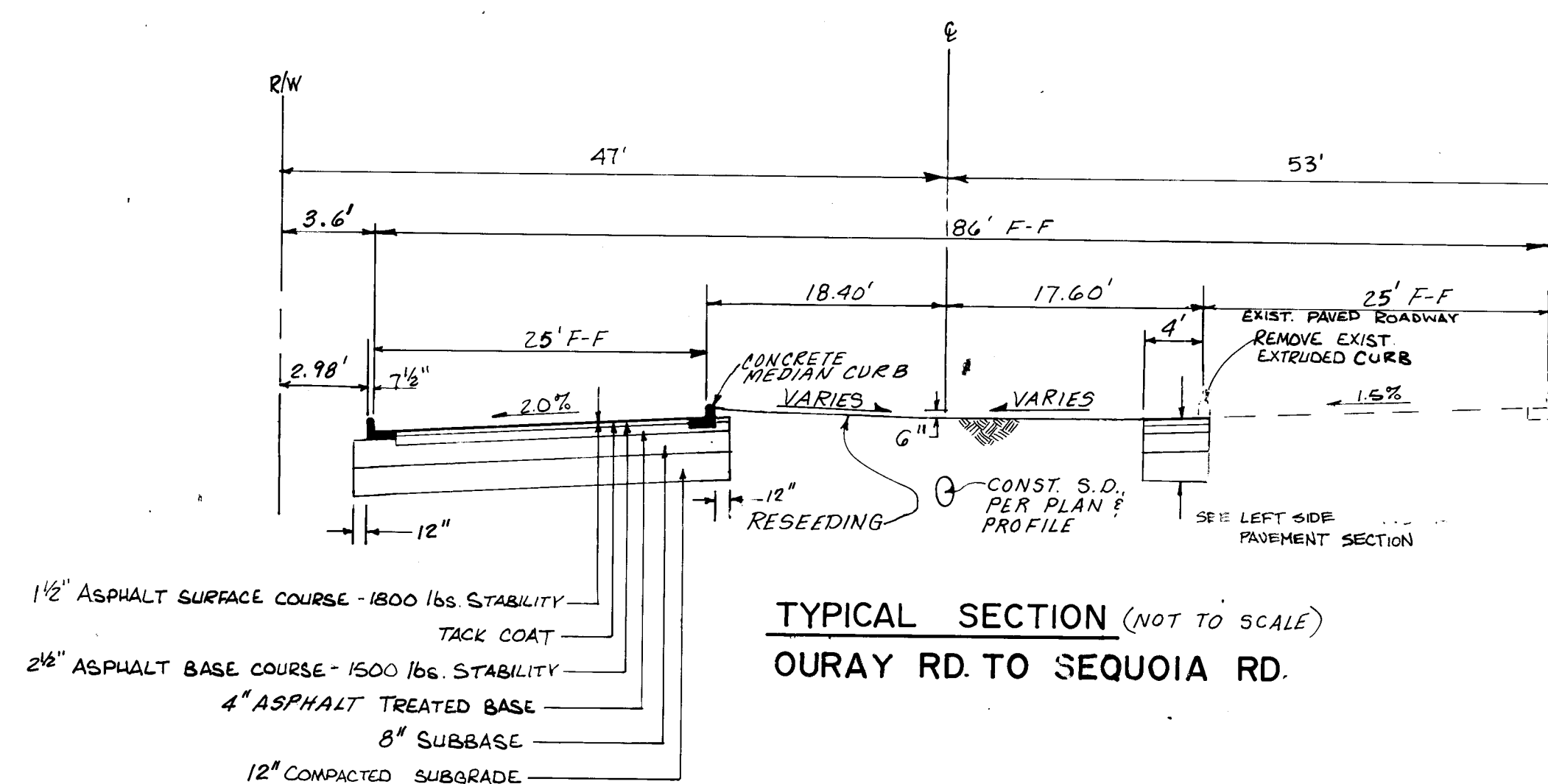
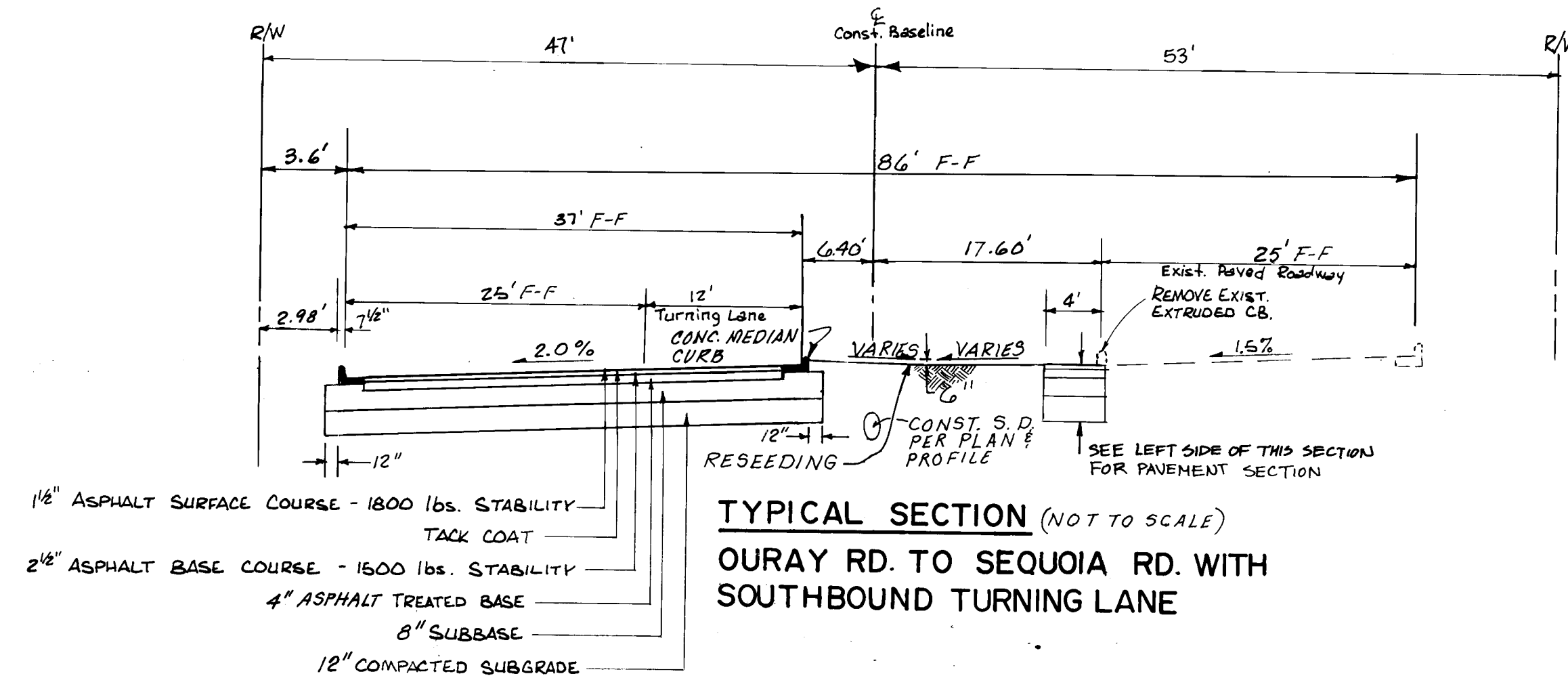
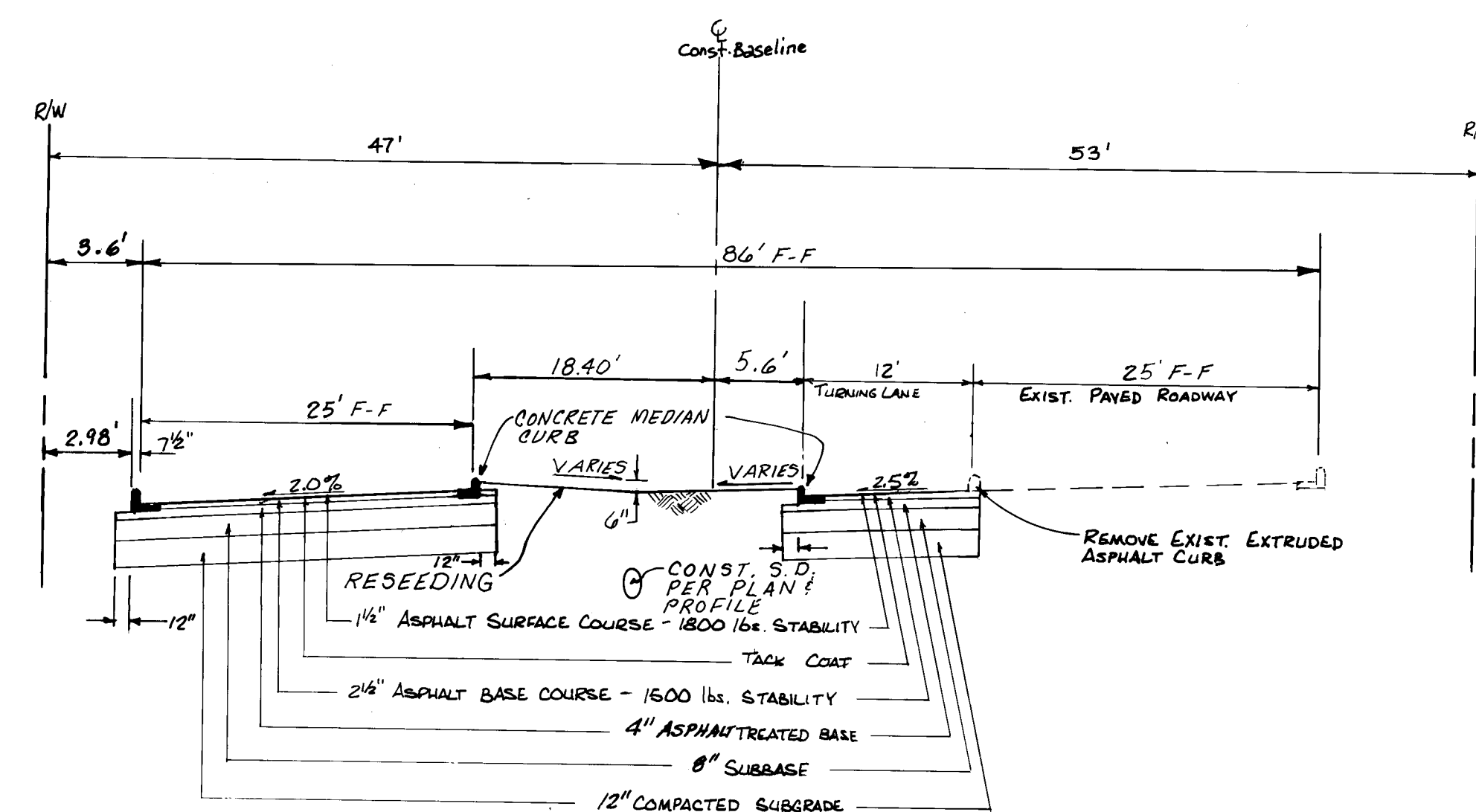


INTERSECTION LADERA & SEQUOIA
PHASE III

[illegible]

CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
TITLE: LADERA RD. N.W.					
TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/2/86	Liquid Waste	<i>NIA CR</i>	1-10-86
A.C.E. - Design	<i>[Signature]</i>	3/23/86	Traffic	<i>D.G. [Signature]</i>	1-10-86
A.C.E. - Hydrology	<i>[Signature]</i>	3/23/86	Water	<i>NIA CR</i>	1-10-86
<i>[Signature]</i>	<i>[Signature]</i>	1.10.86			
DRAWING NO.	2434		MAP NO.	SHEET	OF 18





- NOTES:
1. TYPE 2 (WHITE PIGMENTED) CURING COMPOUND SHALL BE USED AS SPECIFIED IN ASTM C 309.
 2. MEDIAN SHALL BE SEEDED UPON COMPLETION IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS;

1. SEED RATE	
<u>SPECIES</u>	<u>PURE LIVE SEED LBS./AC.*</u>
ANNUAL RYE GRASS	8.0
GIANT DROPSEED	2.0
SAND DROPSEED	1.0
INDIAN RICEGRASS	4.0
SIDEOLATS GRAMA	6.0
TOTAL	21.0

- * RATES APPLY TO DRILLED SEED. DOUBLE RATES LISTED IF SEED IS BROADCAST.
2. FERTILIZER
- 200 BULK LBS. 0-20-0 SUPER PHOSPHATE PER ACRE
- 150 BULK LBS. 45-0-0 UREA PER ACRE

3. MULCH
5,000 LBS. HAY MULCH PER ACRE

4. WATERING SCHEDULE

WEEK NO.	1	2	3	4	5	6	TOTAL
IN./AC.	1.0/10*	2.0	1.0	1.0	0.5	0.5	7.0

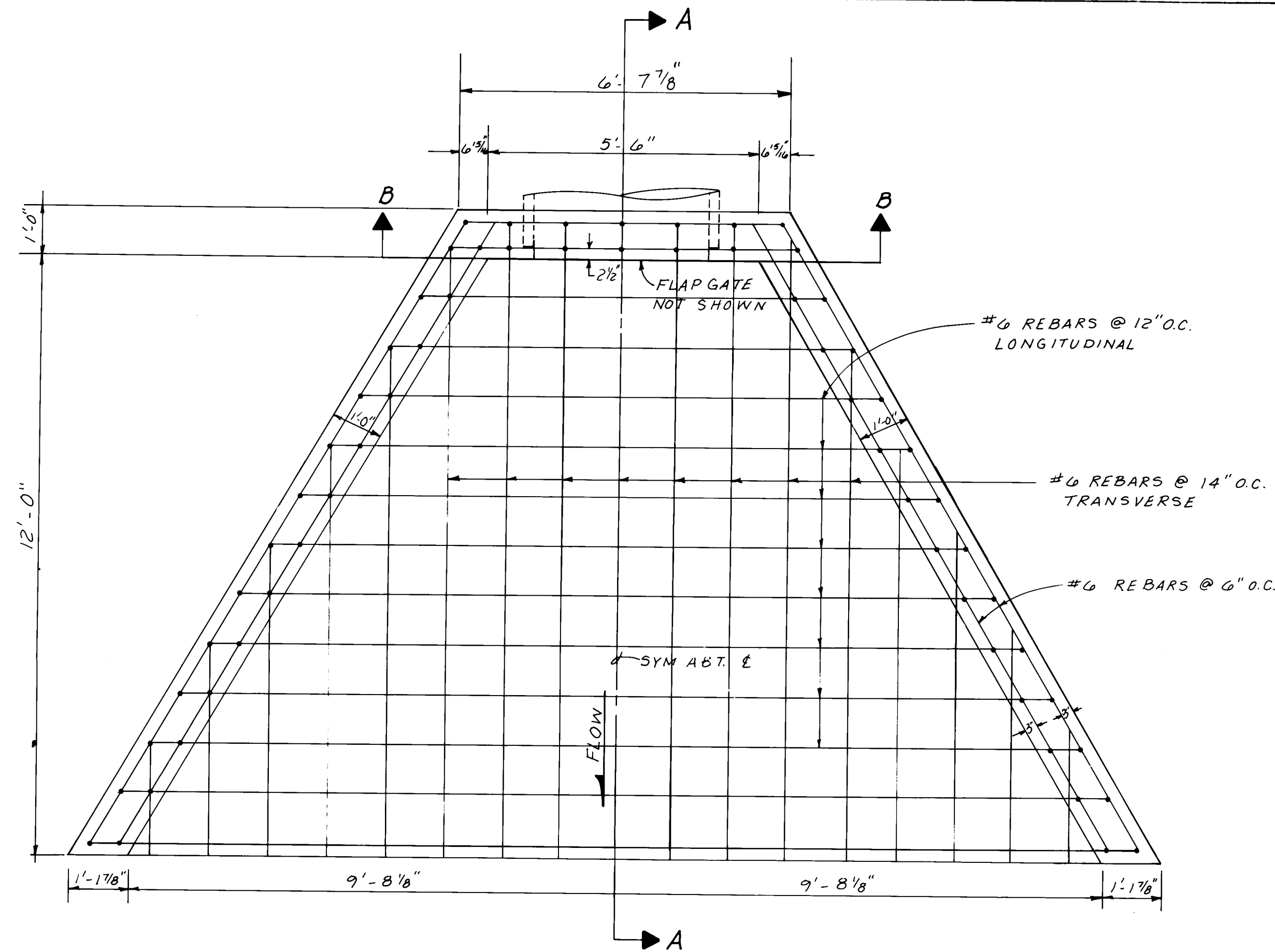
- * TWO (2) APPLICATIONS THREE (3) DAYS
APART ARE REQUIRED THE FIRST WEEK
* SEEDING SHALL COMMENCE WITHIN TEN (10) WORKING
DAYS AFTER COMPLETION OF FINE GRADING.

REQUIREMENTS FOR TREATED & UNTREATED SURFACING				
ESTIMATE FOR TACK COAT: USE 0.05 TO 0.15 GALS. AC-20 PER SQ. YD.				
% ASPHALT	ASPHALT SURFACE COURSE	6.0%	AC-20	BY WGT. OF TOTAL MIX
	ASPHALT BASE COURSE	6.0%	AC-20	BY WGT. OF TOTAL MIX
	ASPHALT TREATED BASE	5.0%	AC-20	BY WGT. OF TOTAL MIX
SPECIFICATIONS FOR SURFACING AGGREGATES (% PASSING)				
SIEVE SIZE	SUB-BASE	ASPHALT TREATED BASE	ASPHALT BASE COURSE	ASPHALT SURFACE COURSE
3"	100			
1"		100	100	
3/4"		80-100	70-100	100
1/2"			55-85	75-100
3/8"				65-90
#4	30-75	30-60	30-55	45-65
#10		20-45	20-40	32-50
#40			10-25	15-30
#200	0-12	3-10	3-8	3-9
L.L.	25 OR LESS	25 OR LESS		
P.I.	5 OR LESS	6 OR LESS		
WEAR	40 OR LESS	50 OR LESS	40 OR LESS	40 OR LESS
SOUND LOSS%		18 OR LESS	15 OR LESS	15 OR LESS
FRAC. FACES %			85 OR MORE	85 OR MORE

UNIT WEIGHT OF ASPHALT SURFACE COURSE = 39.50 LBS. PER SQ. YD.
UNIT WEIGHT OF ASPHALT BASE COURSE = 39.50 LBS. PER SQ. YD.

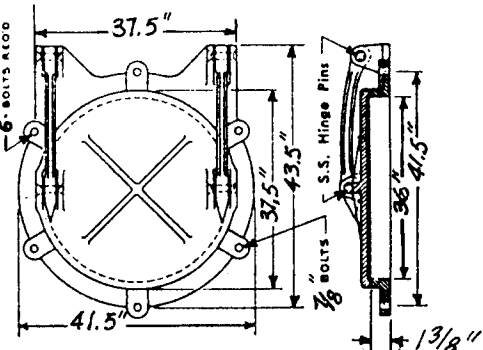
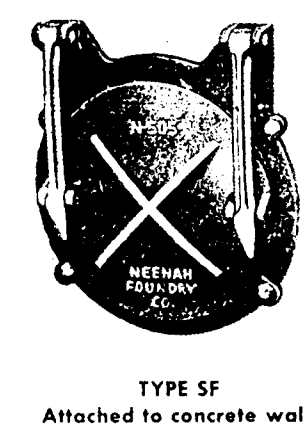
NOTE: PERCENTAGES OF ASPHALT & UNIT WEIGHTS ARE FOR CALCULATION & ESTIMATE PURPOSE ONLY. ACTUAL PERCENTAGE AND UNIT WEIGHT WILL BE DETERMINED BY MIX DESIGN.

3/25/87 26. 24341587 3/25/87 26. 24341587									
APPROVALS CITY ENGINEER A.C.E. - Design A.C.E. - Hydrology DATE ENGINEER DATE APPROVALS Liquid Waste Traffic Water DATE ENGINEER DATE									
DRAWING NO. 2434 MAP NO. G-11, H-10, 11 SHEET 15 OF 18									



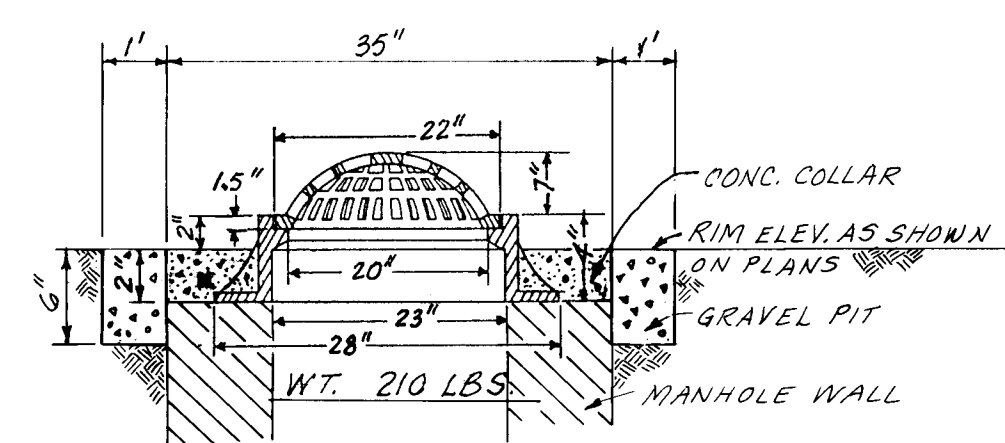
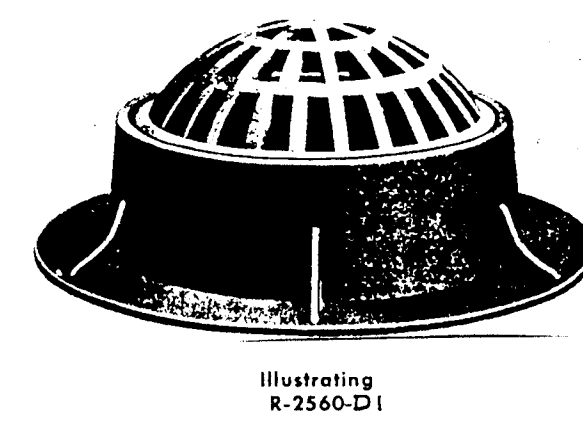
PLAN - OUTLET & SLAB REINFORCEMENT
SCALE: 1" = 2'

- NOTES:
- USE 36" DIA. TYPE SF FLAP GATE WITH ALUMINUM COVER, BRONZE BUSHED HINGES AND NEOPRENE SEAT MOUNTINGS, CATALOG NO. R-5050-SF36, CATALOG "R", 9TH EDITION, NEENAH FOUNDRY CO. OR APPROVED EQUAL.
 - USE SLOTTED BEEHIVE TYPE MANHOLE COVER, CATALOG #R-2560-D1, CATALOG "R", 9TH EDITION, NEENAH FOUNDRY CO. OR APPROVED EQUAL.



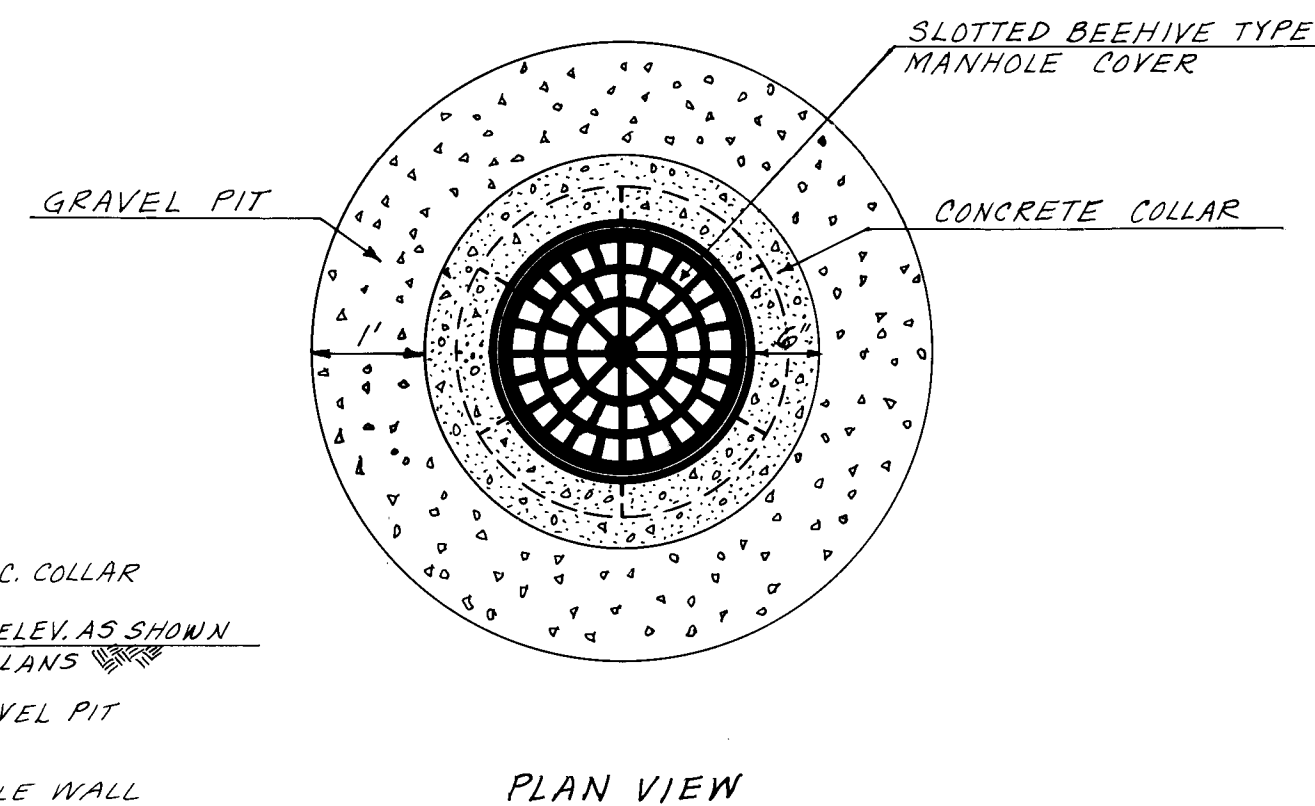
CATALOG #R-5050-SF36

FLAP GATE
N.T.S.

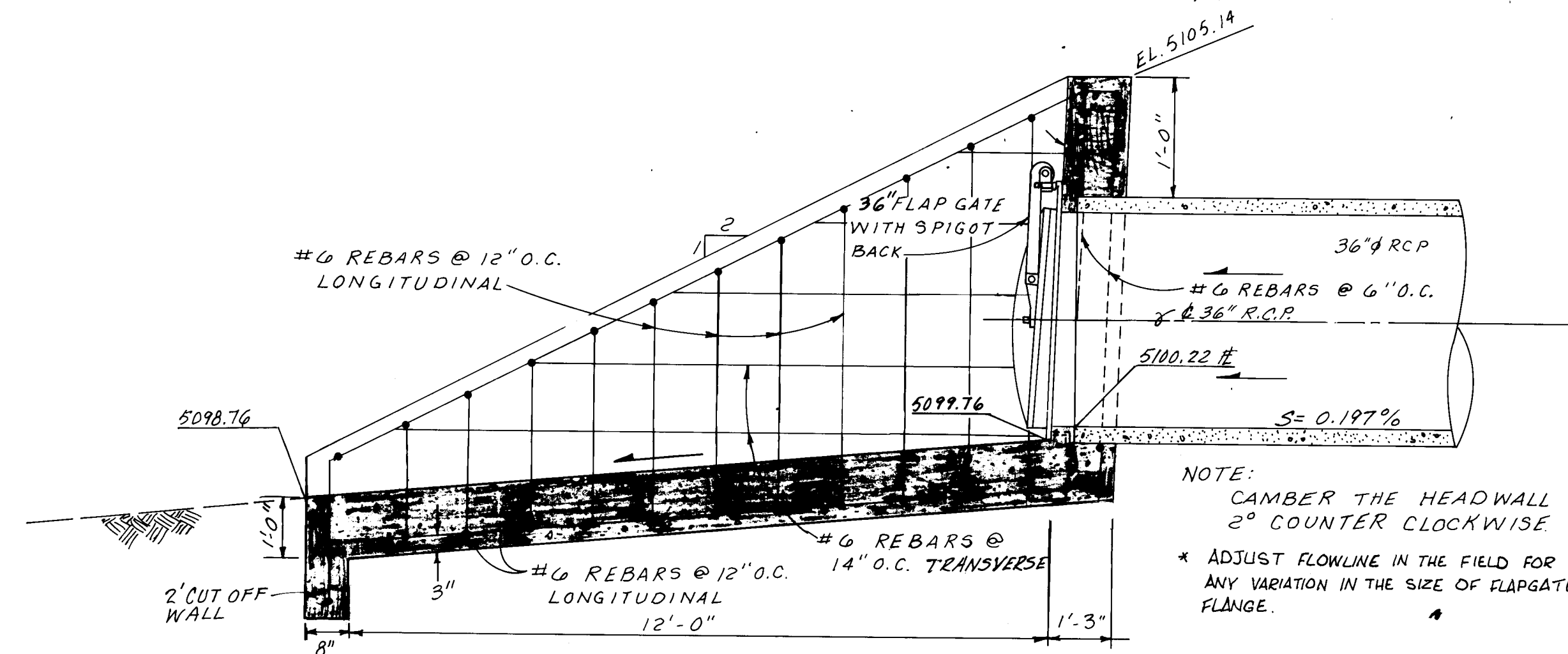


CATALOG #R-2560-D1

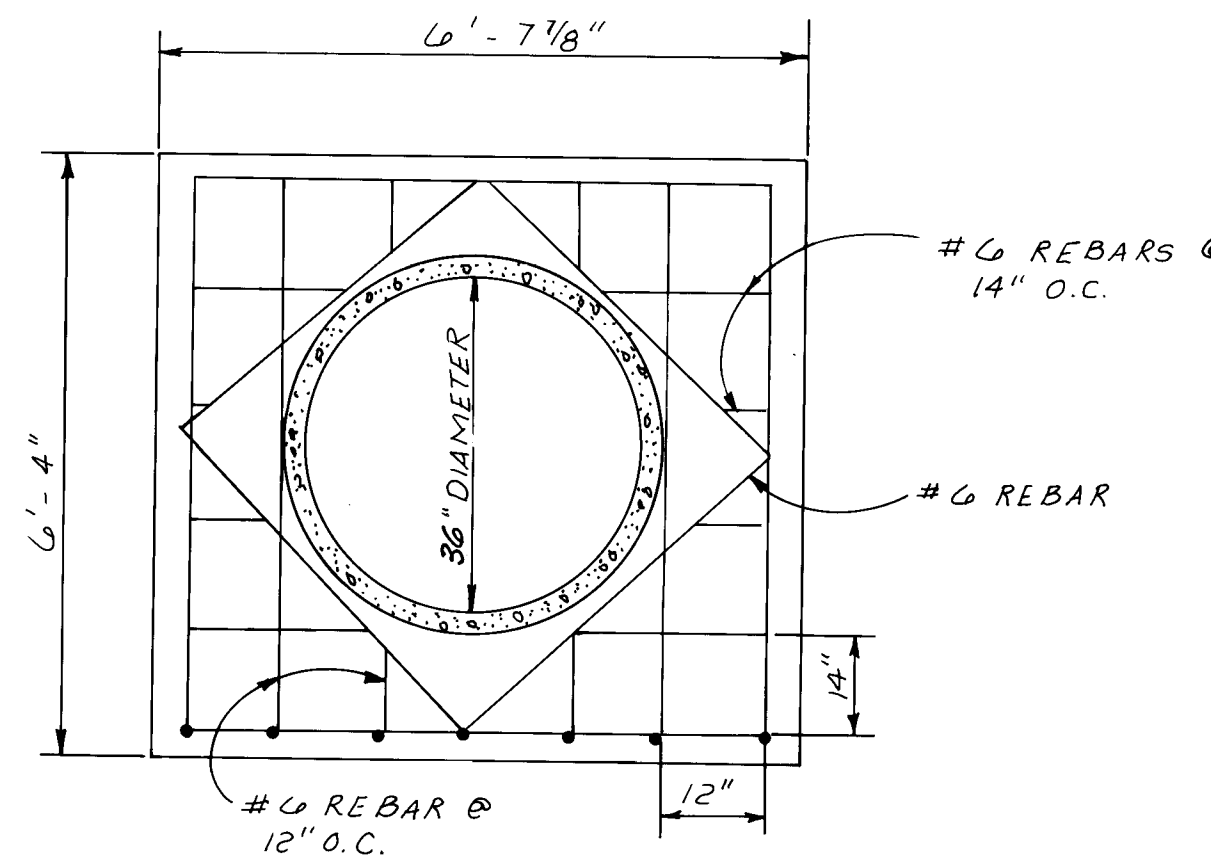
BEEHIVE COVER AND FRAME
WITH GROUND INSTALLATION DETAIL
N.T.S.



PLAN VIEW



AUTO. DRAINAGE GATE SECTION A-A
SCALE: 1" = 2'



SECTION B-B
NOT TO SCALE

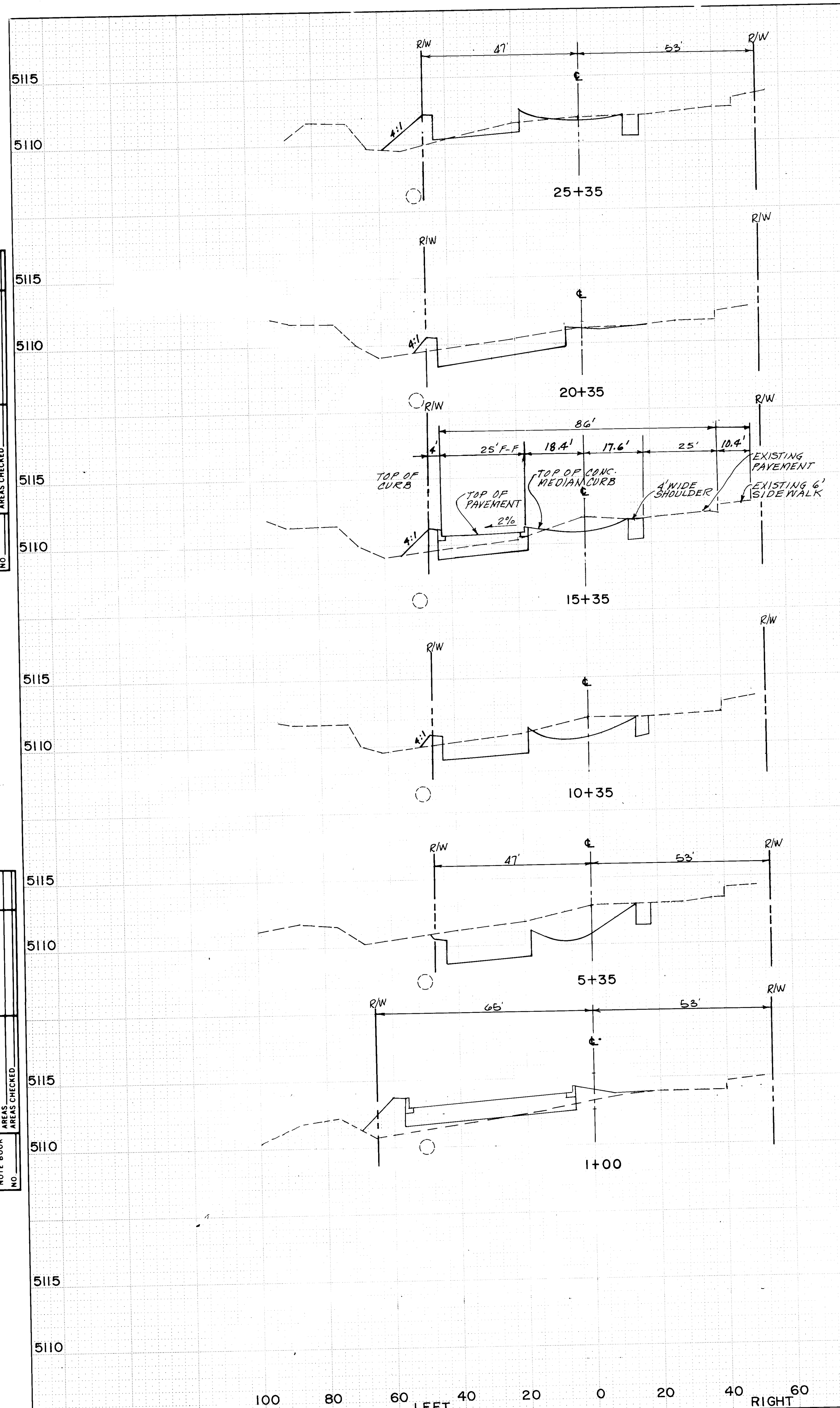
AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	SET FLUSH WITH THE CURB IN THE MEDIAN ON LADERA AT THE INTERSECTION OF ATRISCO DR LOCATED 4.4 MILES NORTHWEST OF DOWNTOWN, SEC. 2, T. 10 N., R. 2 E.	DATE	NO.	FIELD NOTES	DATE	NO.	REMARKS	DATE	NO.
CONTRACTOR: J.R. HALE CONST.											
INSPECTOR: J. DOUGLAS & ASSOC.											
FIELD VERIFICATION BY: MIKE TENORIO											
DATE: 12/82											
CORRECTED BY: G.M.A.											
RECORDED BY: NO.											
MICRO-FILM INFORMATION			STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE) X=363,586.13, Y=5,505,984.32, ELEVATION 5111.02'								

3/25/87

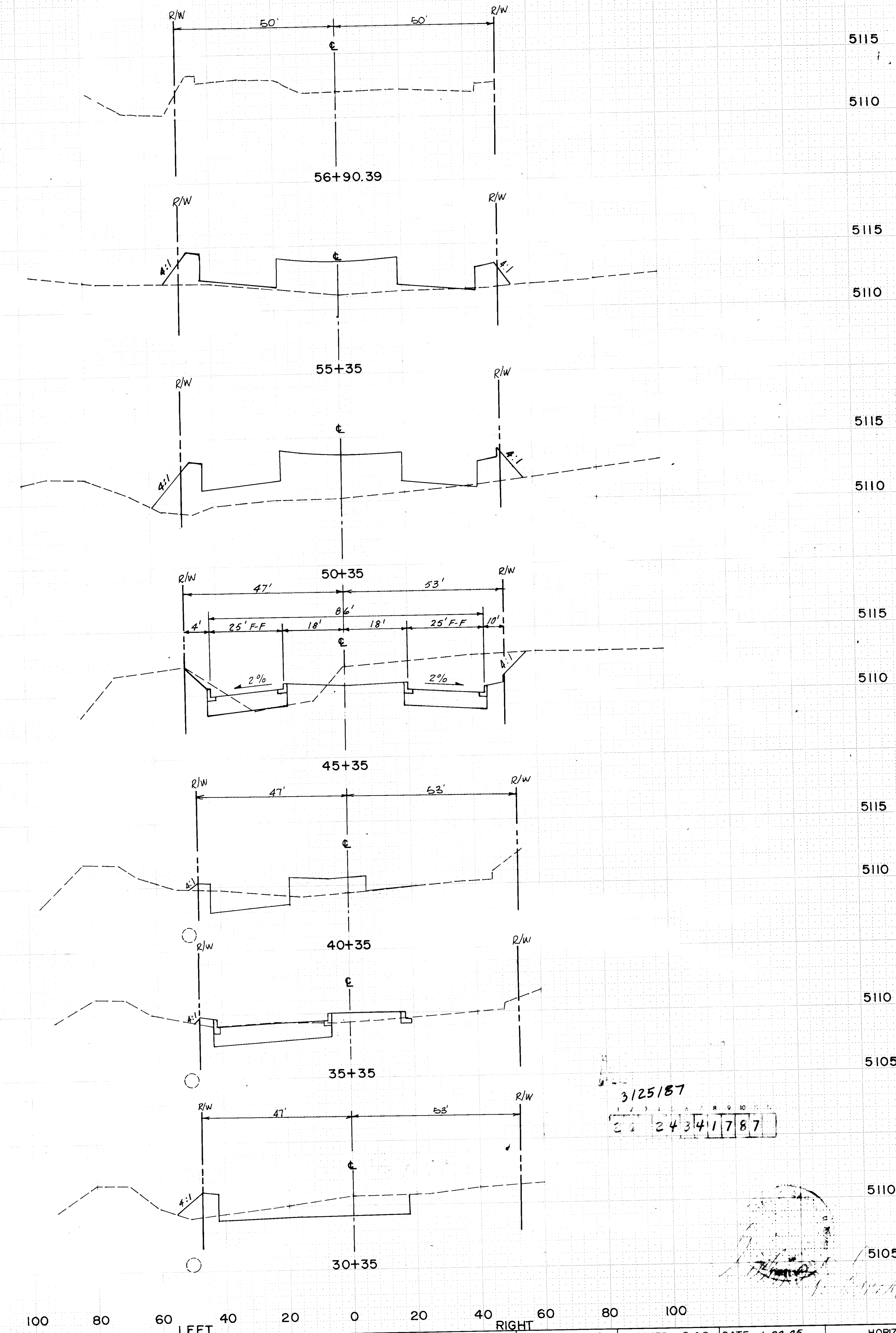
26 34341687

CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
TITLE: LADERA ROAD N.W.					
DRAINAGE STRUCTURE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>A. R. R.</i>	3/1/86	Liquid Waste	<i>N/A R.R.</i>	1-10-86
A.C.E. - Design	<i>A. R. R.</i>	2/23/86	Traffic	<i>N/A R.R.</i>	1-10-86
A.C.E. - Hydrology	<i>A. R. R.</i>	2/23/86	Water	<i>N/A R.R.</i>	1-10-86
<i>R. A. M.</i>	<i>S. S.</i>	1/10/86			
DRAWING NO.	2434		MAP NO.	G-II, H-10, II	
SHEET	16		OF	18	

ORIGINAL			BY	DATE
SURVEY	SURVEYED			
	PLOTTED			
	TEMPLATE			
NOTE BOOK	AREAS			

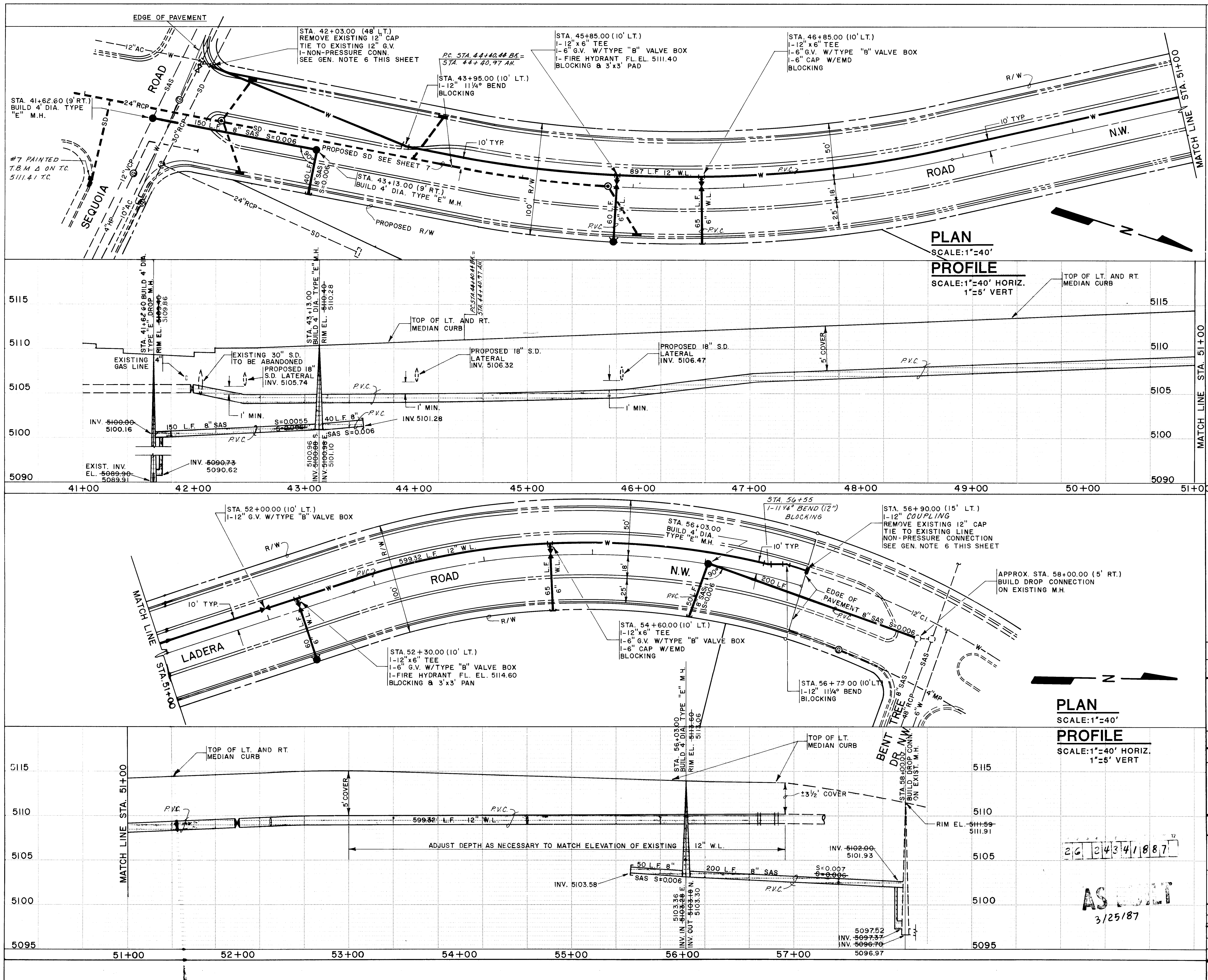


FOR INFORMATION ONLY



3125187

1	2	3	4	5	6	7	8	9	10	11
24	24	34	1	7	8	7				



GENERAL NOTES

- All work on this project shall be performed in accordance with applicable Federal, State, and local laws, rules and regulations concerning construction, safety and health.
- The contractor must submit a construction signing and barricading plan to Traffic Engineering prior to construction to receive a barricading permit.
- The utility locations indicated are approximate. It shall be the contractor's responsibility to pot hole and field check, to determine actual locations of lines, fittings or connections as an incidental requisite to the construction contract.
- Any existing utilities service lines that do not require relocation and are damaged by the contractor shall be removed and replaced at the contractor's expense. This expense shall be considered incidental to the project and no separate payment shall be made.
- The contractor shall be responsible for protecting, supporting and maintaining service in all existing utilities.
- Only Water Systems Division personnel are authorized to operate existing valves, fire hydrants, etc. Three (3) full working days prior to proposed work shutoffs, contractor shall contact and coordinate with the Division Personnel at 823-4200.
- All water lines in this project shall be constructed of DIP, ACP, or PVC unless specified otherwise.
- The following standard details should be used for the construction of the water line: W-3, W-4, W-7, W-8, W-20, W-21, W-22.
- Water Line connection at Sequoia Road should be accomplished during Phase I construction of Ladera and Sequoia intersection.
- All sanitary sewer manholes in the construction area shall be adjusted to finished grade.
- All sewer pipe shall be PVC SDR-35 or as approved by the City of Albuquerque Water Utilities Department, except where otherwise noted in the Contract Documents.
- The following Standard Details should be used for the construction of the sewer line: S-2, S-4, S-5, S-12.

ENGINEER'S SEAL

LEGEND

CITY OF ALBUQUERQUE
WATER UTILITIES DEPARTMENT
ENGINEERING DIVISION

TITLE: LADERA ROAD N.W.
WATERLINE & SANITARY SEWER LINE
PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer	ALB	5/4/86	Liquid Waste	ALB	1-10-86
ACE-Design	ALB	5/29/86	Traffic	NA	1-10-86
ACE-Hydrology	ALB	5/29/86	Water	ALB	1-10-86

DRAWING NO. 2434 **MAP NO.** G-11 **SHEET** 18 **OF** 18