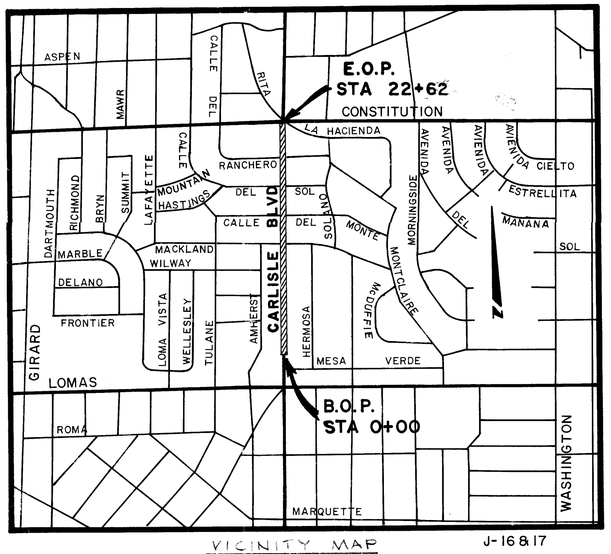
CITY OF ALBUQUERQUE, NEW MEXICO
DEPARTMENT OF TRANSPORTATION

ROADWAY RECONSTRUCTION

CARLISLE BOULEVARD - Mesa Verde Avenue to Constitution Avenue N.E.

FEBRUARY, 1984

CITY PROJECT NO. 1914



VICINITY MAP J-16 & 17

LENGTH OF PROJECT
0.43 MILES/2272 FEET

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R. H. Shepard 2/29/84
CITY ENGINEER — DATE
APPROVED FOR CONSTRUCTION

Joseph A. Martin 2-22-84
DIRECTOR — DATE
DEPARTMENT OF TRANSPORTATION

George Meador 2/22/84
PREPARED UNDER THE DIRECTION OF — DATE
GEORGE MEADOR, DIVISION ENGINEER,
PLANNING & PROGRAMMING DIVISION
DEPARTMENT OF TRANSPORTATION

Russell B. Hinton
9-28-87

Jane Wright 9/28/87

George Meador 8/27/87

RECORD DRAWINGS

26 19 14 01 87

PRAWING NO.	MAP NO.	SHEET	OF
1914	J-16 & 17	1	11

TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH CHAPTER VI OF THE 1978 EDITION "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES".
2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE PROJECT ENGINEER A DETAILED TRAFFIC CONTROL PLAN, IF AT VARIANCE WITH THE ENCLOSED TRAFFIC CONTROL PLAN, WHICH IS SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER, 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED LANE CLOSURES OTHER THAN THOSE SHOWN ON THESE PLANS.
3. ALL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS AS DIRECTED BY THE ENGINEER. THE BOTTOM OF CONSTRUCTION WARNING SIGNS SHALL BE 7-FEET ABOVE THE SIDEWALK LEVEL.
4. ALL BARRELS MAY HAVE SAND OR WATER BALLAST LIMITED TO 100 LBS.
5. ALL SIGN LOCATIONS WILL BE SELECTED IN THE FIELD AND APPROVED BY THE PROJECT ENGINEER. DISTANCES MAY BE ADJUSTED FOR LOCAL CONDITIONS.
6. ALL SIGNS WILL BE GROUND MOUNTED ON SINGLE OR DOUBLE POSTS. EXISTING POSTS MAY BE USED AT SOME LOCATIONS WITH THE APPROVAL OF THE PROJECT ENGINEER. PORTABLE SIGN SUPPORTS WILL BE ACCEPTABLE AS AN ALTERNATE FOR SIGNS WHICH ARE IN PLACE LESS THAN 1 WEEK.
7. ALL SIGNS WILL BE MOVED FORWARD AS THE CONSTRUCTION PROGRESSES.
8. THE CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS OF BUSINESSES AND RESIDENCES FRONTING THE CONSTRUCTION AREA AT ALL TIMES EXCEPT WHEN PAVING OCCURS DIRECTLY IN FRONT OF THE DRIVEWAY.
9. WHEN BARRICADES ARE REQUIRED AFTER DARK, ALL ADVANCE WARNING SIGNS AND ALL BARRICADES SHALL BE EQUIPPED WITH FLASHING WARNING LIGHTS (TYPE A), EXCEPT THAT ALL CHANNELIZING BARRICADES SHALL HAVE STEADY BURNING WARNING LIGHTS (TYPE C).
10. ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.
11. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE PERIOD OF CONSTRUCTION. ALL SUCH CHANNELIZATION SHALL BE ARRANGED TO PREVENT PEDESTRIANS FROM HAVING TO ENTER THE ROADWAY IN ORDER TO PASS AROUND THE WORK AREAS.
12. ALL CONSTRUCTION SIGNING SHALL BE BLACK ON A REFLECTORIZED ORANGE FIELD UNLESS OTHERWISE SPECIFIED. ALL CONSTRUCTION BARRICADES AND CHANNELIZATION DEVICES SHALL BE ORANGE ON WHITE, REFLECTORIZED, UNLESS OTHERWISE SPECIFIED.
13. ALL ADVANCE WARNING SIGNS NOT DIRECTLY APPLICABLE SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM ONCOMING TRAFFIC.
14. A MINIMUM LANE WIDTH OF 14 FEET SHALL BE PROVIDED FOR TRAFFIC IN ONE DIRECTION, UNLESS OTHERWISE SPECIFIED.
15. ALL ADVANCE WARNING SIGNS SHALL BE 48" X 48" MINIMUM.
16. THE CONTRACTOR SHALL, THROUGH THE LOCAL NEWS PAPERS AND OTHER NEWS MEDIA, KEEP THE PUBLIC INFORMED OF CONSTRUCTION OPERATION INVOLVING STREET OR LANE CLOSURES AND SHALL PROVIDE THE CITY TRAFFIC ENGINEER DOCUMENTED PROOF THAT THIS HAS BEEN DONE.
17. EQUIPMENT AND MATERIALS ARE NOT TO BE STORED WITHIN 15' OF A TRAFFIC LANE.
18. EXCAVATION MUST BE PLATED OR PATCHED PRIOR TO OPENING TO TRAFFIC.
19. THE CONTRACTOR IS LIMITED TO THE RECONSTRUCTION OF ONE HALF OF THE LENGTH OF THE PROJECT (±1,100 FT.) AT ANY ONE TIME DURING EITHER EAST OR WEST LANE CLOSURE PHASES (SEE SHEET 9).
20. THE CONTRACTOR SHALL REMOVE BARRICADES, TEMPORARY SIGNS AND/OR BARRELS, AS REQUESTED BY THE TRAFFIC ENGINEER, DURING ANY LANE CLOSURE PHASE IN LOCATIONS WHERE CONSTRUCTION IS NOT TAKING PLACE. COST INCURRED SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL.

GENERAL NOTES

1. THE FOLLOWING MATERIAL SHALL BE REMOVED FROM THE PROJECT AND STOCKPILED AS INDICATED IN SECTION 212 OF THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS: CURB, GUTTER & SIDEWALK. ALL COSTS INCURRED IN HAULING THIS MATERIAL TO THE DISPOSAL SITE DESIGNATED SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT OR MEASUREMENT SHALL BE MADE. STORAGE AREA LOCATION FOR THIS PROJECT SHALL BE AREA D (ZONE ATLAS F-19); SOUTH SIDE OF BEAR CANYON ARROYO WEST OF THE CITY NURSERY NEAR PENNSYLVANIA AND OSUNA ROAD. CONTACT STREET SUPERINTENDENT AT 766-7755 TO COORDINATE STOCKPILING. ASPHALT PAVEMENT & BASE SHALL BE DISPOSED OF BY THE CONTRACTOR, COSTS OF HAULING THIS MATERIAL IS CONSIDERED INCIDENTAL TO THE PROJECT.
2. QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES USED.
3. PAVEMENT STRIPES AND MARKINGS SHALL BE PLACED BY THE CITY OF ALBUQUERQUE TRAFFIC DIVISION AND ARE NOT A PART OF THIS CONTRACT.
4. THE OWNER MAKES NO REPRESENTATION IN REGARD TO THE RELATIVE EASE OR DIFFICULTY THAT THE CONTRACTOR MAY ENCOUNTER IN PERFORMING THIS WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO THOROUGHLY INVESTIGATE SITE CONDITIONS AND SUBMIT A BID IN ACCORDANCE WITH WHAT HE HAS DISCOVERED. ANY AND ALL RECORDS PERTINENT TO THIS PROJECT ARE AVAILABLE FOR INSPECTION AT THE ENGINEER'S OFFICES.
5. THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR ANY DAMAGE TO EXISTING CURB AND GUTTER DURING THE TOTAL ROADWAY REMOVAL AND REPLACEMENT OPERATION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND SHALL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN EXPENSE SHOULD SPLASHING OCCUR.
6. THE MAIN TRAVELLED WAY, EXISTING PAVEMENT, A WIDTH OF THIRTY TWO (32) FEET TO FIFTY SIX (56) FEET, INCLUDING INTERSECTIONS, SHALL BE COMPLETELY REMOVED AND REPLACED UNDER THIS CONTRACT WITH 6 INCHES OF CEMENT TREATED BASE, 2½ INCHES OF ASPHALTIC CONCRETE BASE COURSE, 1½ INCHES OF ASPHALTIC CONCRETE SURFACE COURSE WITH TACK COAT AND AN OVERLAY OF 5/8 INCHES OF PLANT MIX SEAL COAT.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO STAKE FOR CONSTRUCTION.
8. IF IT BECOMES NECESSARY TO PERFORM CONSTRUCTION UNDER THIS CONTRACT BETWEEN THE HOURS OF 7 P.M. AND 7 A.M., ALL CITY, STATE AND FEDERAL SAFETY REGULATIONS RELATIVE TO NIGHT TIME CONSTRUCTION ARE TO BE OBSERVED AND FOLLOWED.
9. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN WORKING NEAR THEIR SYSTEMS. CALL 765-1234 REGARDING LOCATION OF UTILITY LINES. UTILITY COMPANIES SHALL BE GIVEN 48 HOURS (WEEKEND EXCLUDED) ADVANCE NOTICE FOR LINE LOCATION.
10. AIR POLLUTION CONTROL REGULATIONS OF ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT OMISSION OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE RESTRICTIONS WITH THE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICTS WITH THE REGULATIONS.
11. ALL FINISH GRADES, PROFILE AND SPOT ELEVATIONS ALONG CURB LINES ARE FLOW LINE UNLESS OTHERWISE NOTED.
12. THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION, SHALL APPLY TO THE PROJECT AS AMENDED BY CITY OF ALBUQUERQUE CONTRACT DOCUMENTS FOR CITY-WIDE UTILITIES AND CASH PAVING NO. 31.
13. ALL REFERENCE TO CITY STANDARD DRAWINGS WILL BE PER CITY OF ALBUQUERQUE CONTRACT DOCUMENTS FOR CITY-WIDE ULTILITIES AND CASH PAVING NO. 31.
14. THE CONTRACTOR WILL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA.
15. CONTRACTOR MUST CLEAN & INSPECT (T.V.) EXISTING 8" CONC. PIPE BEFORE SLIPLINING.
16. CONTRACTOR IS NOT TO REPLACE PAVEMENT AS PART OF THE SLIPLINING WORK. THIS WILL BE DONE IN THE STREET RECONSTRUCTION WORK. TEMPORARY PAVEMENT (LEVELING COURSE) SHALL BE USED AS A COVER TO ALLOW TRAFFIC ONTO PIT AREA IF NEEDED.
17. CONTRACTOR SHALL NOT CONSTRUCT INSERTION PIT FOR SLIPLINE CONSTRUCTION AT MACKLAND DRIVE INTERSECTION.
18. CONTRACTOR SHALL CONTACT PLANNING & PROGRAMMING DIVISION, TRANSPORTATION DEPARTMENT (A.P. KELLY 766-4700) 24 HOURS PRIOR TO T.V. INSPECTION OF 8" CONCRETE PIPE.
19. ALLEY INTERSECTION CONSTRUCTION SHALL BE BID AT THE SAME UNIT PRICE AS DRIVEPAD CONSTRUCTION.
20. CONTRACTOR SHALL TRANSITION ALL NEW STD. CURB & GUTTER SECTIONS GREATER THAN SIX (6) FEET IN LENGTH TO EXISTING C&G AT BOTH ENDS OF NEW C&G CONSTRUCTION.
21. PROPERTY OWNERS, ADJACENT TO THE PROJECT, MAY DESIRE REPLACEMENT OF THEIR EXISTING DETERIORATED SANITARY SEWER SERVICE AT THE TIME THE SERVICE IS EXPOSED DURING THE NORMAL CONSTRUCTION. THIS WORK SHALL BE SEPARATE FROM THIS PROJECT AND SHALL BE PAID FOR BY THE REQUESTOR DIRECTLY TO (A) THE PROJECT CONTRACTOR, OR (B) A PRIVATE PLUMBING CONTRACTOR WHO SHALL COORDINATE HIS ACTIVITIES WITH THE PROJECT CONTRACTOR.
22. CONTRACTOR SHALL RECONNECT ALL SANITARY SEWER HOUSE SERVICES IN THE MANNER AND DIRECTION AS ORIGINALLY FOUND, EVEN IF THIS SHALL MEAN THE SERVICE MAY BE AT AN ANGLE OTER THAN 90 DEGREES FROM THE MAIN, PER AGREEMENT WITH THE MECHANICAL SECTION/CODE ADMINISTRATION DIVISION.
23. WHEN EXISTING SANITARY SEWER SERVICES HAVE BEEN RECONNECTED TO REPLACEMENT MAINS, THE CONTRACTOR SHALL STAMP OR CHISEL A 3-INCH SIZE "S" ON TOP OF CURB OVER THE LOCATION OF THE SERVICE LINE. THE CURB CUT FOR THE "S" MUST BE MINIMUM 1/4 INCH.
24. THE CONTRACTOR SHALL CONSTRUCT THE SLIPLINING PORTION OF THE PROJECT FIRST AND SHALL BACKFILL AND TEMPORARILY PAVE ALL TRENCHES AND EXCAVATION AREAS PRIOR TO BEGINNING ROADWAY RECONSTRUCTION.

LENGTH OF PROJECT			
STA to STA	LIN. FT.	MILES	REMARKS
0+00 to 22+62	2,262	0.43	BOTH DIRECTION

REQUIRED SURFACING FACTOR				
ITEM	HYDRATED LIME	60-70 (AC-20) ASPH. CEMENT	ASPHALT FOR TACK COAT	WEIGHT
ASPHALTIC CONCRETE SURFACE COURSE	1.00 %	5.50 %	CSS-1 OR SS-1	3900 LBS/CY.
PLANT MIXED SEAL COAT	1.00 %	6 %	CSS-1 OR SS-1	3600 LBS/CY.

4. ASPHALT TREATED BASE 4" THICK 1000 LB STABILITY, MACHINE LAY DOWN PER S.Y. (SUBSTITUTED FOR C.T.B).

SUMMARY OF QUANTITIES

BID ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	FINAL QUANTITY
1.	GRADING FOR LESS THAN 2 FEET EXCAVATION, PER S.Y.	2,000	0
2.	ASPHALTIC CONCRETE SURFACE COURSE, 1½" THICK, 1800 LB. STABILITY, MACHINE LAY DOWN, PER S.Y.	9,800	9,589
3.	ASPHALTIC CONCRETE BASE COURSE, 2½" THICK, 1500 LB. STABILITY, MACHINE LAYDOWN, PER S.Y.	9,800	9,589
4.	~~CEMENT TREATED BASE COURSE, 6" THICK, CENTRAL PLANT MIXED, COMPLETE IN PLACE, PER S.Y.~~	9,800	8,797
5.	EMULSIFIED ASPHALT TACK COAT, COMPLETE IN PLACE, PER S.Y.	9,800	4,205
6.	PROCESS AND COMPACT EXISTING MATERIAL THAT HAS A SOIL BEARING VALUE OF 20 OR MORE, 6" THICK, COMPLETE IN PLACE, PER S.Y.	9,800	9,589
7.	5/8" PLANT MIX SEAL COAT, PER S.Y.	9,600	9,589
8.	CUTTING, REMOVAL AND DISPOSAL OF EXISTING ASPHALTIC CONCRETE PAVING, WHERE SAWCUTTING IS NOT REQUIRED, PER S.Y.	9,800	10,206
9.	REMOVAL AND DISPOSAL OF EXISTING P.C.C. CURB AND GUTTER, PER LINEAR FOOT.	1,150	1,346
10.	CUTTING, REMOVAL AND DISPOSAL OF EXISTING PORTLAND CEMENT CONCRETE SIDEWALK AND DRIVEPADS, PER S.Y.	100	445
11.	PORTLAND CEMENT CONCRETE MEDIAN CURB AND GUTTER, COMPLETE IN PLACE, INCLUDING SUBGRADE PREPARATION, PER LINEAR FOOT.	490	498
12.	PORTLAND CEMENT CONCRETE STANDARD CURB AND GUTTER COMPLETE IN PLACE, INCLUDING SUBGRADE PREPARATION, PER LINEAR FOOT.	1,150	1,346
13	REMOVAL AND DISPOSAL OF EXISTING ASPHALTIC CONCRETE CURB, PER L.F.	415	415
14.	MEDIAN GRADING, PER S.Y.	135	137
15.	IMPRESSED PATTERN COLORED CONCRETE MEDIAN PAVING, 4" THICK, COMPLETE IN PLACE, PER S.F.	350	385
16.	MAINTAIN TRAFFIC, COMPLETE AS SHOWN IN THE TRAFFIC CONTROL PLAN, PER LUMP SUM.	L.S.	L.S.
17.	PORTLAND CEMENT CONCRETE DRIVEPAD, 6" THICK, COMPLETE IN PLACE, PER S.F.	500	1,313
18.	PORTLAND CEMENT CONCRETE SIDEWALK, 4" THICK, COMPLETE IN PLACE PER S.F.	350	2,693
19.	TRAFFIC SIGNAL ELECTRICAL CONDUIT 2" RIGID, COMPLETE IN PLACE, INCLUDING CONNECTIONS TO EXISTING CONDUIT, IF REQUIRED PER. L.F.	40	40
20.	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL (SP) TYPE 1, COMPLETE IN PLACE PER EA.	1	1
21.	TRAFFIC SIGNAL PULLBOX, COMPLETE IN PLACE, PER EA.	2	2
22.	ADJUST MANHOLE FRAMES TO GRADE, 2" OR LESS, PER EA.	8	8
23.	ADJUST MANHOLE FRAMES TO GRADE WITH MASONRY CONSTRUCTION (OVER 2") PER EA.	5	5
24.	ADJUST WATER VALVE BOXES TO GRADE PER EA.	8	7
25.	INSTALL HIGH DENSITY POLYETHYLENE LINER PIPE (7.125" O.D.), PER L.F. SEC. 600.9	594	594
26.	TELEVISION INSPECTION, PER L.F. SEC. 600.2	594	594
27.	SERVICE RECONNECTIONS - POLYETHYLENE PER. EA. SEC. 600.10	12	7
28.	MANHOLE REHABILITATION, PER EA. SEC. 600.13	3	3
29.	REMOVAL OF PROTRUDING SERVICE, PER EA. SEC. 600.2	1	1
30.	POINT REPAIR, PER EA SEC. 600.5 (SEE SHT. 10)	1	0
31.	EXTENSION OF POINT REPAIR, PER L.F. SEC. 600.6 (SEE SHT 10)	1	0
32.	FALSE SERVICE RECONNECTIONS, PER EACH	24	5
33.	ASPHALT LEVELING COURSE, 1800#, PER TON	20	0
34.	NEW SERVICE LINE, 3/4" SINGLE SERVICE CONNECTION, COMPLETE WITH LABOR AND MATERIAL AS PER STD. DETAILS, PER EA	1	1
35.	PORTLAND CEMENT CONCRETE VALLEY GUTTER COMPLETE IN PLACE, INCLUDING SUBBASE PREP, PER S.F.	1,400	2488

NOTES & SUMMARY OF QUANTITY SHEET

RECORD DRAWINGS George Meador 8/27/87

Dave Dwayt 9/28/87

1	2	3	4	5	6	7	8	9	10	11	12
2	6		1	9	1	4	0	2	8	7	

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE TO CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	2/29/84	~~Liquid Waste~~		
A.C.E.-Design			Traffic	T.W. Kennedy	2/28/84
A.C.E.-Hydrology	Jim Funk	2-28-84	Water Resources	James Yeptmiller	2-24-84
QA	[signature]	2-28-84			

DRAWING NO. 1914 | MAP NO. J-16 & 17 | SHEET 2 OF 11

AS-BUILT INFORMATION: CONTRACTOR - UNIVERSAL CONST.; WORK STAKED BY - JAKE J. DATE 4/84; INSPECTOR'S ACCEPTANCE BY J.A.M. DATE 5/19/84; FIELD VERIFICATION BY - R GIWLEL DATE; DRAWINGS CORRECTED BY M.Z. DATE 11-27-84; MICRO FILM INFORMATION: RECORDED BY DATE; NO.

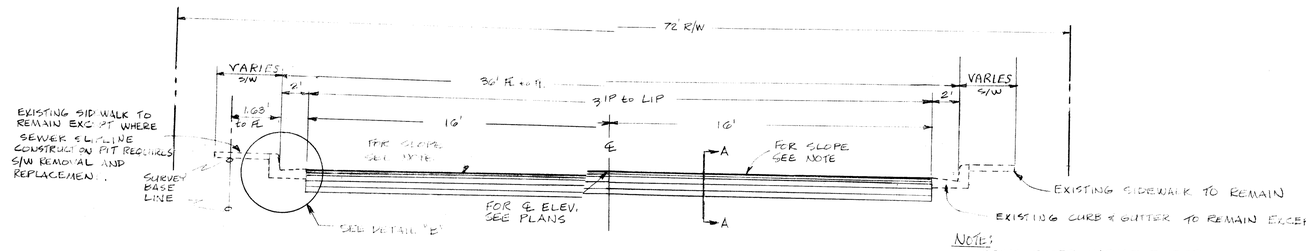
BENCH MARKS

SURVEY INFORMATION: FIELD NOTES; NO.; DATE

ENGINEER'S SEAL: PREPARED UNDER THE DIRECTION OF George Meador; CERTIFICATE NO. 7304

NO.	DATE	AS BUILT REVISIONS / REMARKS	BY
1	12/1/84	As Built	GPK

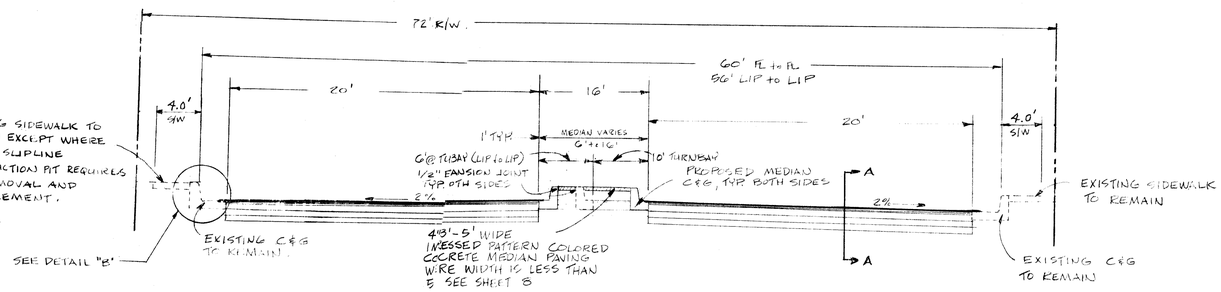
REVISIONS / DESIGN: DESIGNED BY APK DATE 8/1/83; DRAWN BY MZ DATE 8/1/83; CHECKED BY G.M. DATE 8/1/83



TYPICAL STREET SECTION – STA 0+00 to STA 19+08

NOT TO SCALE

NOTE:
CROSS SLOPE VARIABLE BETWEEN STA. 0+00 to STA. 19+08 WITH 2% MIN ON HIGH CURB SIDE. CROSS SLOPE DETERMINED BY EXISTING FLOW LINE ELEVATIONS AND PROPOSED ℄ ELEVATIONS ALL OTHER LOCATIONS ARE AS SHOWN ON PLANS.



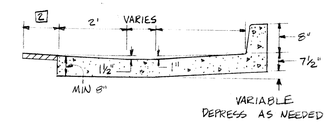
TYPICAL STREET SECTION – STA. 19+08 to STA. 22+62

NOT TO SCALE

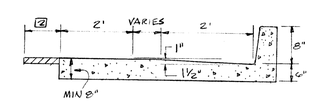
NOTES:

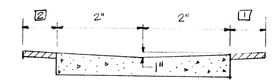
1. CURB & GUTTER TO BE REPLACED WILL BE LOCATED BY ENGINEER IN FIELD
2. ALL EXISTING ELEVATIONS SHOWN ARE FLOWLINE

E-E SECTION - UPSTREAM C&G RECONSTRUCTION

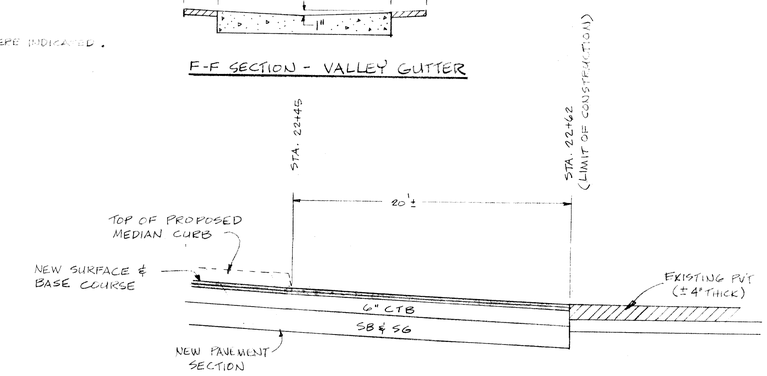


G-G SECTION - DOWNSTREAM C&G RECONSTRUCTION





F-F SECTION - VALLEY GUTTER

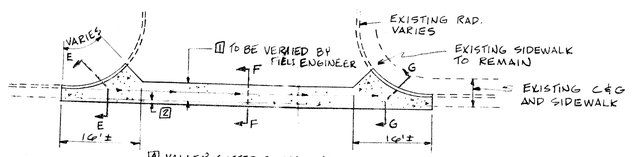


SECTION @ ℄ CARLISLE
STA. 22+45 – STA 22+62

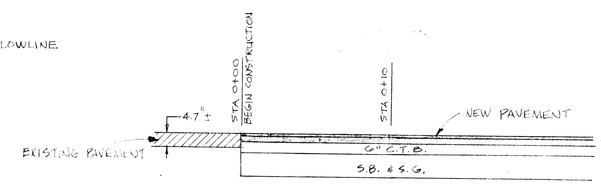
NOTE: SEE SHT. 8 OF PLANS

DETAIL C-C

not to scale



1 VALLEY GUTTER CONSTRUCTION AND CURB & GUTTER RECONSTRUCTION DETAIL

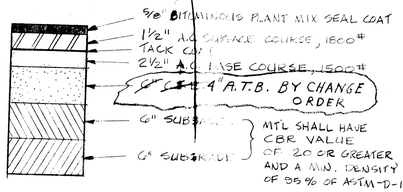


SECTION @ ℄ CARLISLE
STA 0+00 – STA 0+10

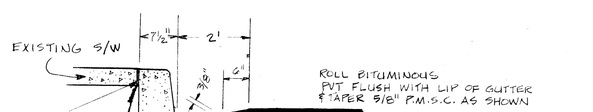
NOTE: SEE SHT. 4 OF PLANS

DETAIL D-D

not to scale



TYPICAL SECTION A-A



DETAIL "B"

AS BUILT NOTE:
EXPANSION JOINT NOT PLACED BACK-OF-CURB

LEGEND

- CURB STONES TO BE REMOVED
- MANHOLES
- W.V. WATER VALVES
- EXISTING CURB & GUTTER
- EXISTING DRIVEWAYS
- 59.27 EXISTING ELEVATION
- 59.83 PROPOSED ELEVATION
- EXISTING STORM DRAIN INLET
- PROPOSED STORM DRAIN INLET
- 8"—VCP SANITARY SEWER PIPE (TO BE SLIPLINED)
- MEDIAN PAVING (IMPRESSED PATTERN COLORED CONCRETE)
- ASPHALTIC LEVELING COURSE, 1800# STABILITY
- GRADE CHANGE

George Meador 8/27/87
RECORD DRAWINGS
Dave Sapp 9/28/87

AS-BUILT INFORMATION			
DRAWING UNDERGO CHANGES BY: JAKE U.	DATE 4/84		
INSPECTORS BY: R.M.	DATE 9/10/84		
FIELD VERIFIED BY: REGINALD DATE			
CONTRACTOR: M.R.	DATE 11/2/84		
CERTIFICATE OF AS-BUILT CORRECTNESS: M. MC CORMICK			
PROGRAM:	DATE		

BENCH MARKS
STANDARD A.C.S.
BRASS CAP SET ON S/W AT S.W.
RETURN CORNER CONSTITUTION & CARLISLE
ELEV. 5106.90 C.B.M. C.A.4
BRASS CAP SET ON S/W AT E.N.E.
RETURN LOMAS & CARLISLE ELEV. 5193.05
C.B.M. 3.117

SURVEY INFORMATION
FIELD NOTES
NO. | DATE | BY

1 | 12/1/84 | ITS BUILT REVISIONS | APK

REVISIONS
NO. | DATE | REMARKS | BY

ENGINEERS SEAL

PREPARED UNDER THE DIRECTION OF George Meador

CERTIFICATE No. 7904

DESIGNED BY A.P.K. DATE 8/1/83
DRAWN BY M.Z. DATE 8/1/83
CHECKED BY G.M. DATE 8/1/83

1 2 3 4 5 6 7 8 9 10 11 12
2 6 1 9 1 4 0 3 8 7

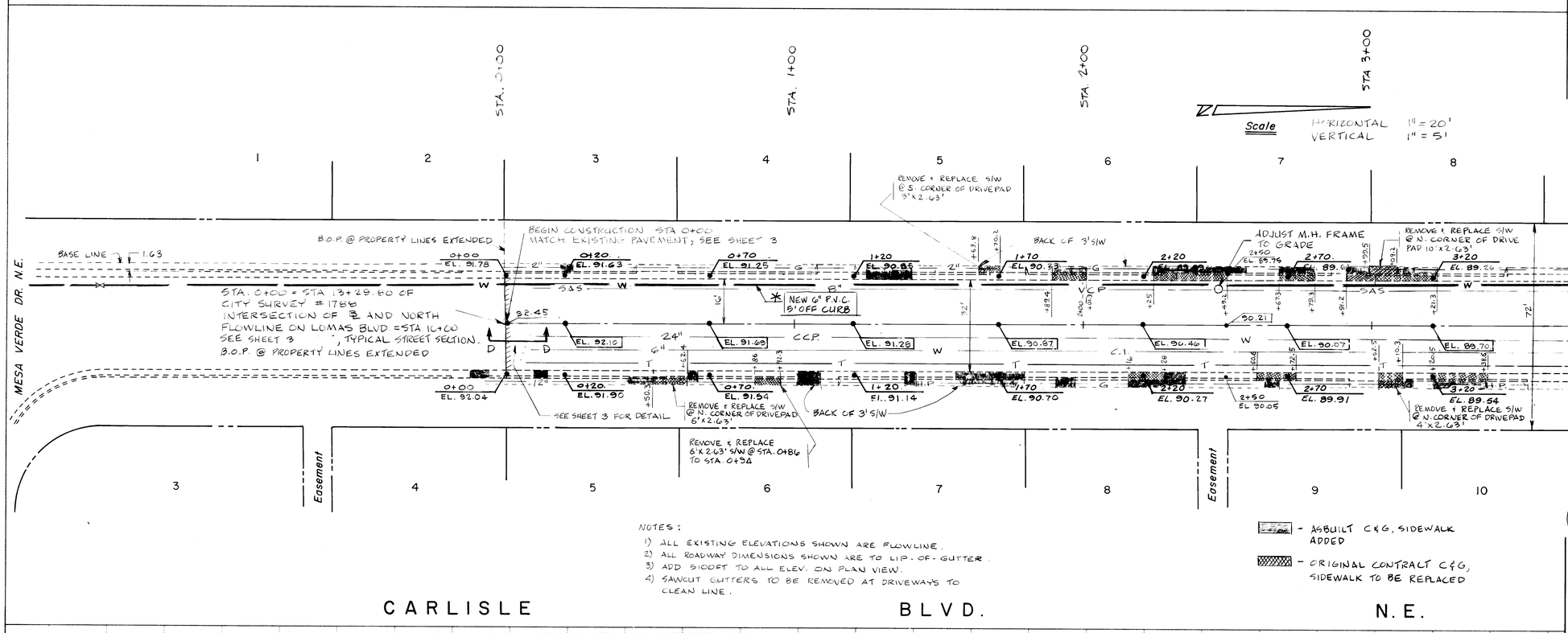
DETAIL SHEET

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE TO CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	2/20/84	[illegible]		
A.C.E.–Design			Traffic	[illegible]	2/20/84
A.C.E. Hydrology	[illegible]	2-28-84	Water Resources	W.A. [illegible]	2-24-84
QA	[illegible]	2-28-84			

DRAWING NO. 1914 | MAP NO. J-16 & 17 | SHEET 3 OF 11

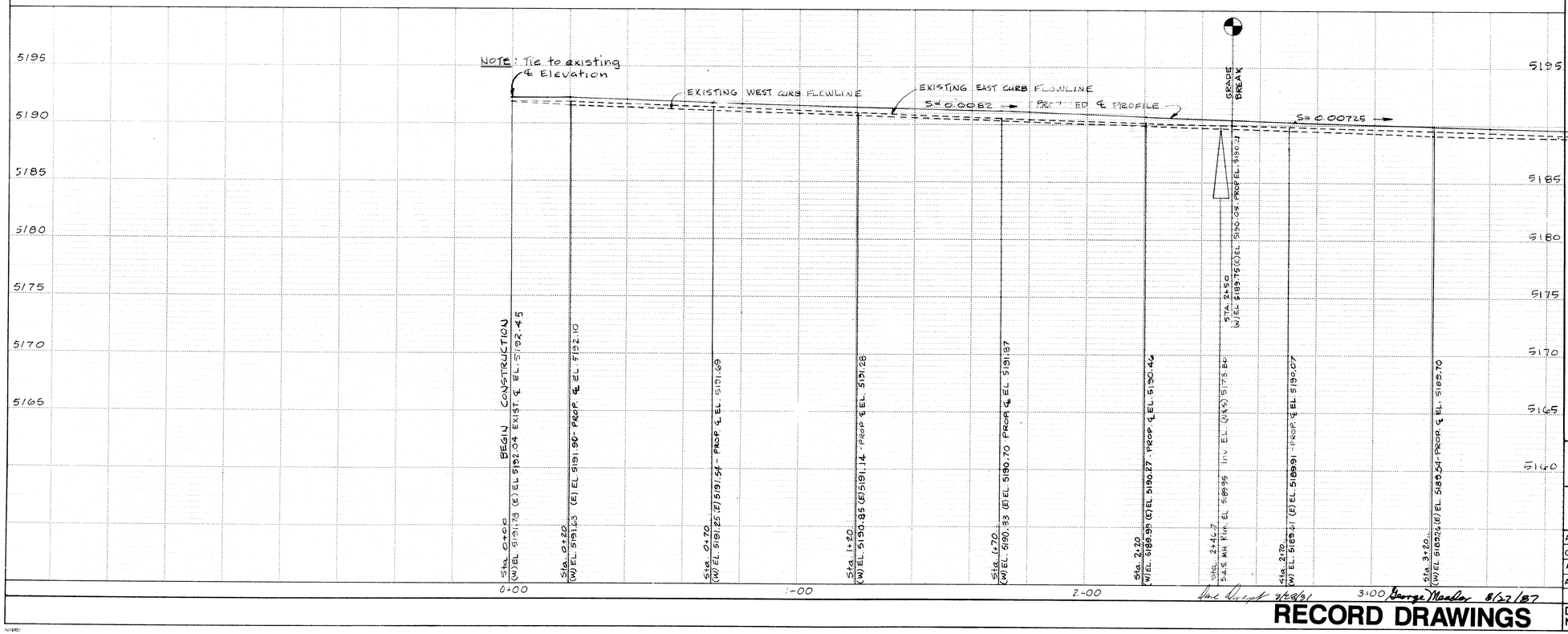


NOTES:

1) ALL EXISTING ELEVATIONS SHOWN ARE FLOWLINE.
2) ALL ROADWAY DIMENSIONS SHOWN ARE TO LIP-OF-GUTTER.
3) ADD 5100FT TO ALL ELEV. ON PLAN VIEW.
4) SAWCUT GUTTERS TO BE REMOVED AT DRIVEWAYS TO CLEAN LINE.

- ASBUILT C&G, SIDEWALK ADDED
- ORIGINAL CONTRACT C&G, SIDEWALK TO BE REPLACED

NOTE:
* NEW 6" P.V.C. WATER MAIN INSTALLED THIS PROJECT; MESA VERDE TO MACKLAND



RECORD DRAWINGS

George Meador 8/27/87

AS BUILT INFORMATION
CONTRACTOR UNIVERSAL CONST
WATER TANK BY JAKE VIGIL DATE 4/1/84
INSPECTOR BY J.A. Martinez DATE 8/18/84
ELECTRICAL BY
FIELD VERIFICATION BY R. GIULER DATE
DRAWINGS CORRECTED BY M.Z. DATE 11-7-85
MICRO-FILM INFORMATION
INCORPORATED BY DATE
NO.

BENCH MARKS
STANDARD A.C.S.
BRASS CAP SET ON S/W AT N.E. REGION LOMAS & CARLISLE ELEV 5193.03
C.B.M. 3J17

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
PREPARED UNDER THE DIRECTION OF
George Meador
CERTIFICATE No 7304

NO.	DATE	REMARKS	BY
1	5/1/84	℄ PROFILE ELEV. REWORKED	GPL
2	12/1/84	AS BUILT REVISIONS	GPL

REVISIONS
DESIGN
DESIGNED BY A.P.K. DATE 8/1/83
DRAWN BY M.Z. DATE 8/1/83
CHECKED BY G.M. DATE 8/1/83

26 19140487

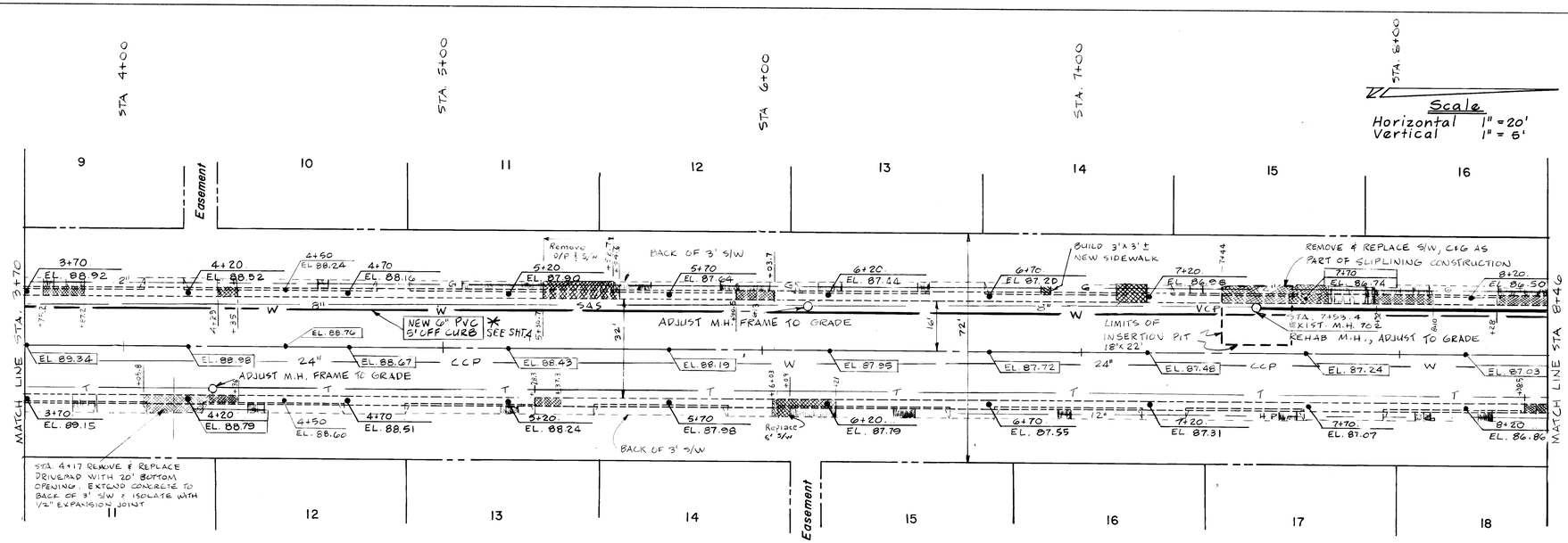
STA 0+00 to STA. 3+70

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		8/29/84	~~Liquid Waste~~		
A.C.E.-Design			Traffic	T.W. Kennedy	2/23/84
A.C.E.-Hydrology		2-28-84	Water Resources	N.A. James	2-28-84
		2-28-84			

DRAWING NO. 1914 | MAP NO. J-16 & 17 | SHEET 4 OF 11

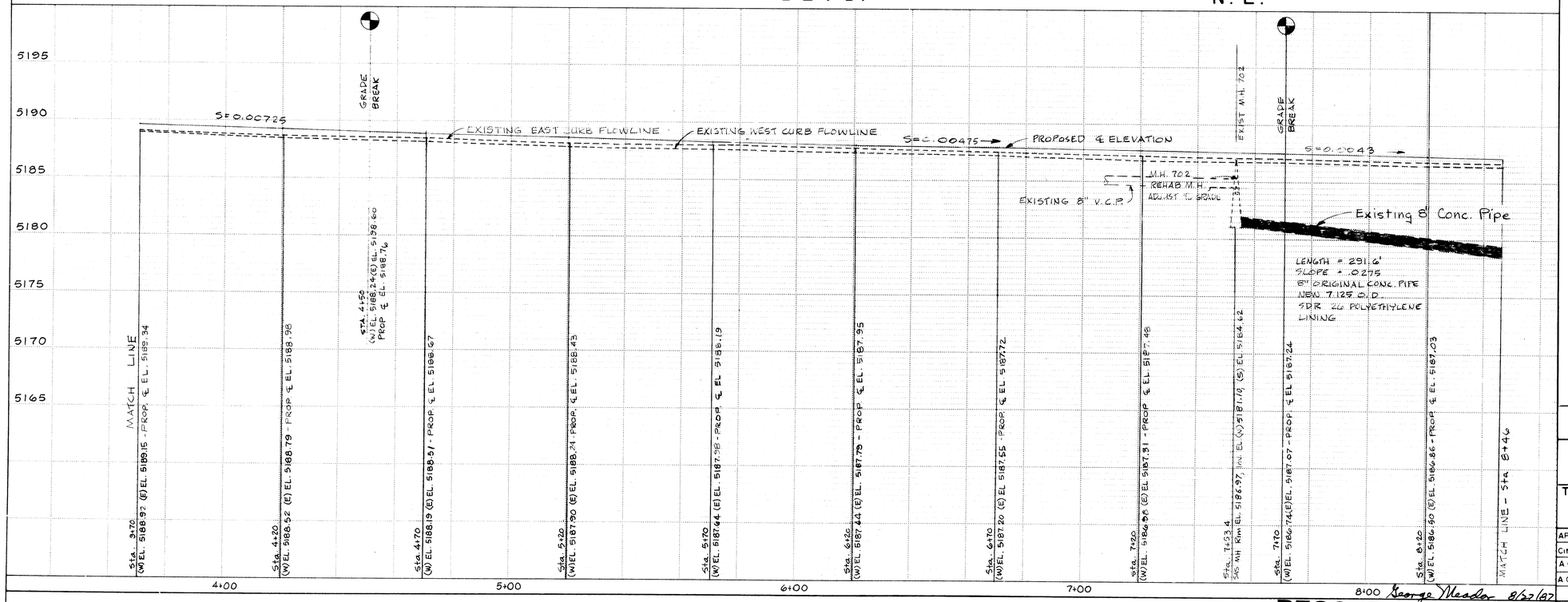


NOTES:

1) ALL EXISTING ELEVATIONS SHOWN ARE FLOWLINE
2) ALL ROADWAY DIMENSIONS SHOWN ARE TO LIP OF GUTTER.
3) ADD 5100 FT. TO ELEV. ON PLAN VIEW.
4) SAWCUT ALL GUTTERS TO BE REMOVED AT DRIVEWAYS TO CLEAN LINE

- ASBUILT C & G, SIDEWALK ADDED
- ORIGINAL CONTRACT C&G, SIDEWALK TO BE REPLACED

CARLISLE BLVD. N.E.



George Meador 8/27/87

RECORD DRAWINGS

AS BUILT INFORMATION	
CONTRACTOR	UNIVERSAL CONST
PLAN TAKEN BY	JAKE VIGIL DATE 4/84
INSPECTOR	
AS-BUILT BY	J.A. MARTINEZ DATE 6/11/84
FIELD VERIFICATION BY	R. GIVLER DATE
DRAWINGS CORRECTED BY	MZ DATE 11/27/84
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
STANDARD A.C.S.	
BRASS CAP SET ON S/W AT E.N.E. RETURN LOMAS & CARLISLE	ELEV. 5193.03
C.B.M. 3117	

SURVEY INFORMATION		
FIELD NOTES		
NO	BY	DATE

ENGINEER'S SEAL

PREPARED UNDER THE DIRECTION OF George Meador

CERTIFICATE NO. 7304

NO.	DATE	REMARKS	BY
1	5/1/84	℄ PROFILE ELEV. REWORKED	GPK
2	12/1/84	AS BUILT REVISIONS	GPK

REVISIONS

DESIGN		
DESIGNED BY	A.P.K.	DATE 8/1/83
DRAWN BY	M.Z.J.	DATE 8/1/83
CHECKED BY	G.M.	DATE 8/1/83

26 19140587

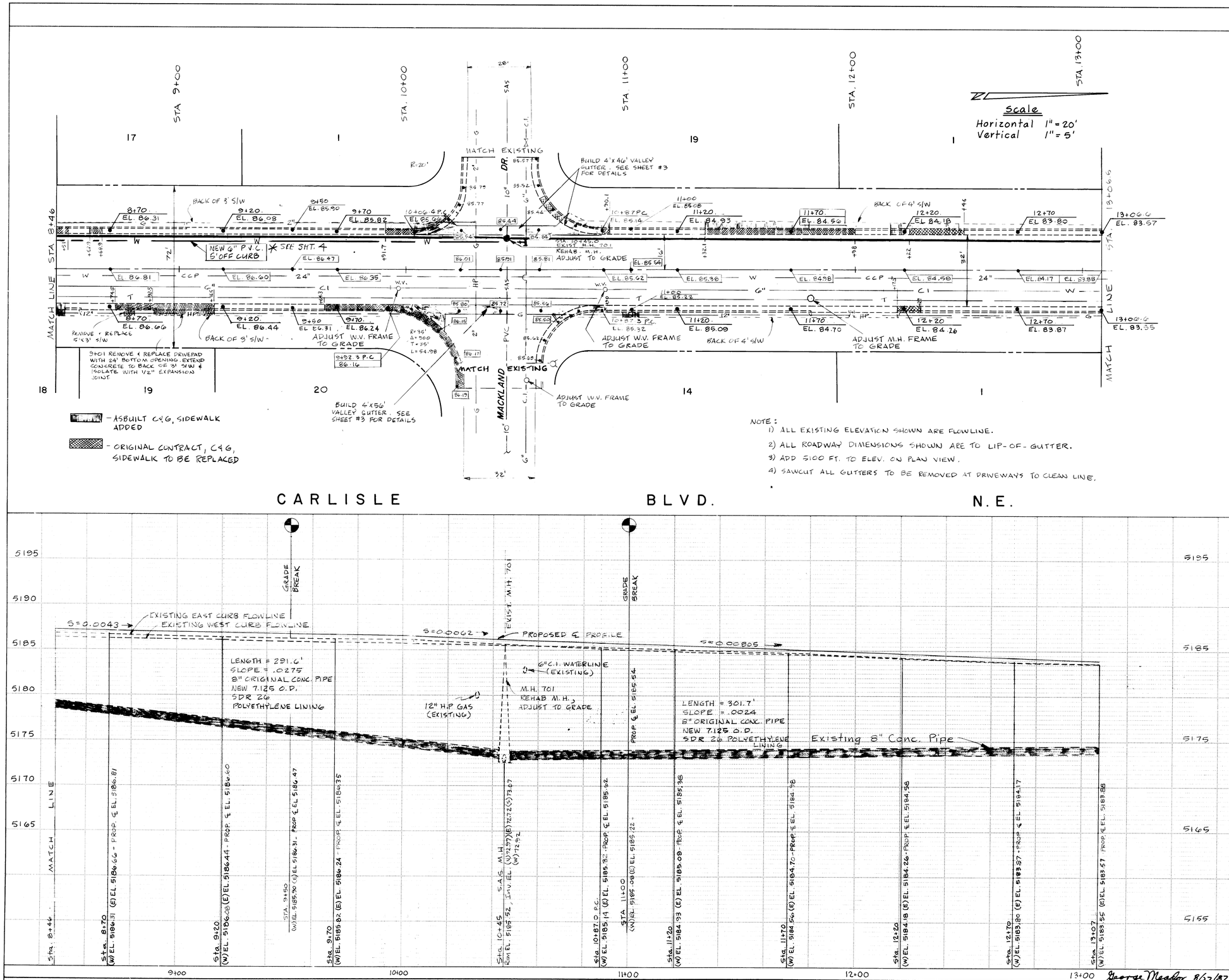
STA 3+70 TO STA 8+46

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design		2/28/84	Traffic	T.W. Kennedy	2/28/84
A.C.E. - Hydrology	Jim Smith	2-28-84	Water Resources	Jerome Jaramillo	2-28-84
CA		2-28-84			

DRAWING NO.	MAP NO.	SHEET
1914	J-16 & 17	5 OF 11



NOTE:
1) ALL EXISTING ELEVATION SHOWN ARE FLOWLINE.
2) ALL ROADWAY DIMENSIONS SHOWN ARE TO LIP-OF-GUTTER.
3) ADD 5100 FT. TO ELEV. ON PLAN VIEW.
4) SAWCUT ALL GUTTERS TO BE REMOVED AT DRIVEWAYS TO CLEAN LINE.

CARLISLE BLVD. N.E.

George Meador 8/27/87

RECORD DRAWINGS

AS BUILT INFORMATION
CONTRACTOR UNIVERSAL COAST
WORK STAKED BY JAKE VIGIL DATE 4/8/84
INSPECTOR'S ACCEPTANCE BY J.A. MARQUEZ DATE 6/18/84
FIELD VERIFICATION BY R. GUILER DATE
DRAWINGS CORRECTED BY M.Z. DATE 11/5/84
RECORDED BY MICRO-FILM INFORMATION DATE
NO

BENCH MARKS
STANDARD A.C.S.
BRASS CAP SET IN S/W AT ENE RETURN CORNER LOMAS & CARLISLE ELEV 5199.03 G.B.M. 3J17.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
PREPARED UNDER THE DIRECTION OF George Meador
CERTIFICATE No. 7304

2.6 1.9 1 40.687

STA. 8+46 to STA. 13+07

NO.	DATE	REMARKS
1	5/1/84	℄ PROFILE ELEV. REWORKED
2	12/1/84	AS BUILT REVISIONS

REVISIONS

DESIGN	BY	DATE
DESIGNED BY	APK	8/1/83
DRAWN BY	MZJ	8/1/83
CHECKED BY	GM	8/1/83

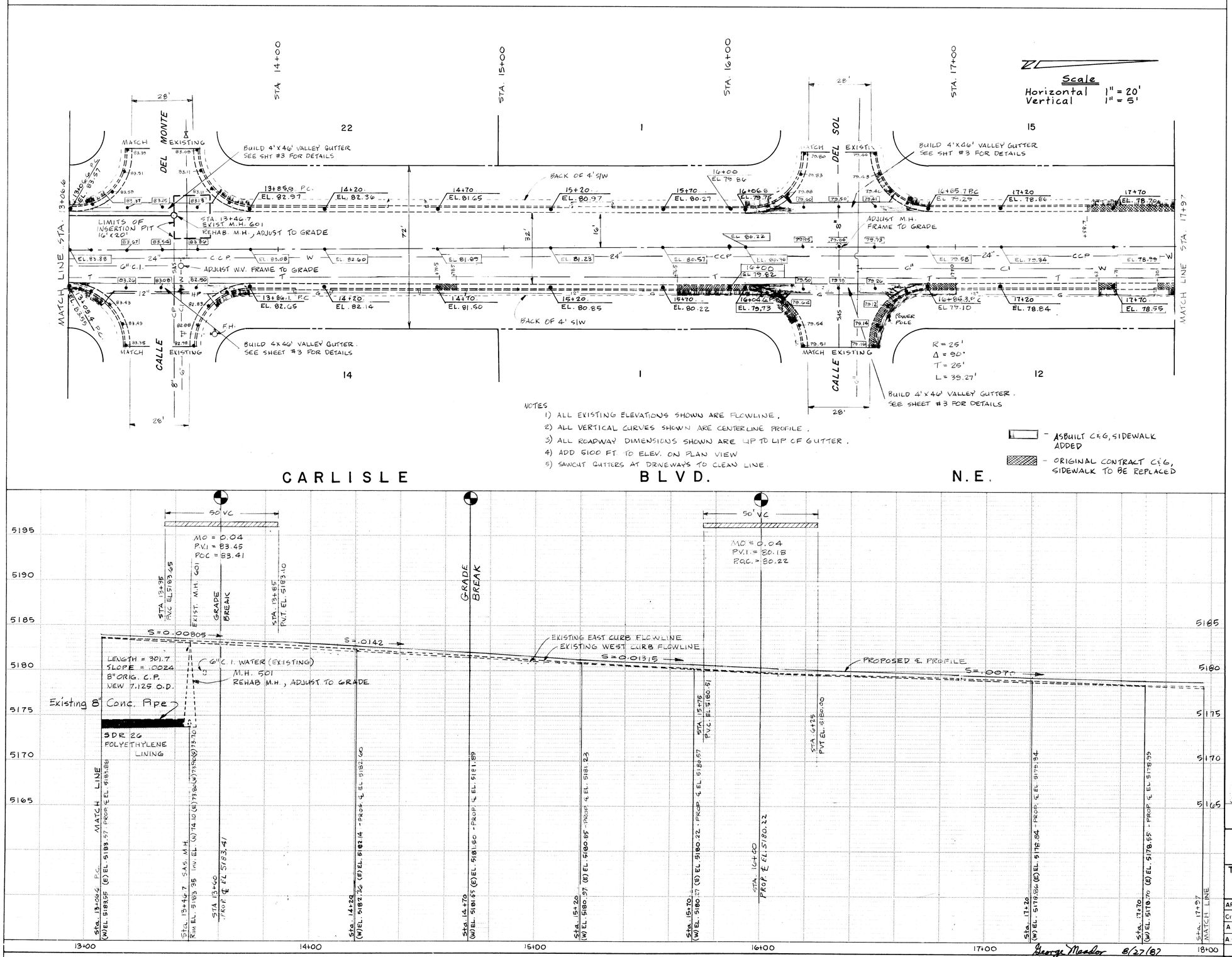
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		4/29/84	Liquid Waste		
A.C.E - Design			Traffic	T.C. Kaynard	2/28/84
A.C.E - Hydrology		2-28-84	Water Resources	James Lapmitter	2-24-84
		2-28-84			

DRAWING NO.	MAP NO.	SHEET	OF
1914	J-16 & 17	6	11

date to design 8/18/81



AS BUILT INFORMATION
CONTRACTOR UNIVERSAL CONST
WORK STAKED BY JACE VIGIL DATE 4/04
INSPECTORS ACCEPTANCE BY JA MARTINEZ DATE 8/11/87
FIELD DRAWINGS CORRECTED BY R. GULLER DATE
DRAWINGS CORRECTED BY MZ DATE 11/01/87
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STANDARD A.C.S.
BRASS CAP SET ON S/W AT ENE RETURN CORNER LOMAS & CARLISLE. ELEV. 5193.03
C.B.M. 3J17
C.B.M. N.B.B. F.H. NE QUAD @ CALLE DEL MONTE EL. 5186.01

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
PREPARED UNDER THE DIRECTION OF George Meador
CERTIFICATE NO. 7204

NO.	DATE	REMARKS	BY
1	5/1/84	℄ PROFILE ELEV. REWORKED	GPK
2	12/1/84	AS BUILT REVISIONS	GPK

REVISIONS
DESIGN
DESIGNED BY APK DATE 8/1/83
DRAWN BY MZ-3 DATE 8/1/83
CHECKED BY GM DATE 8/7/83

26 19140787

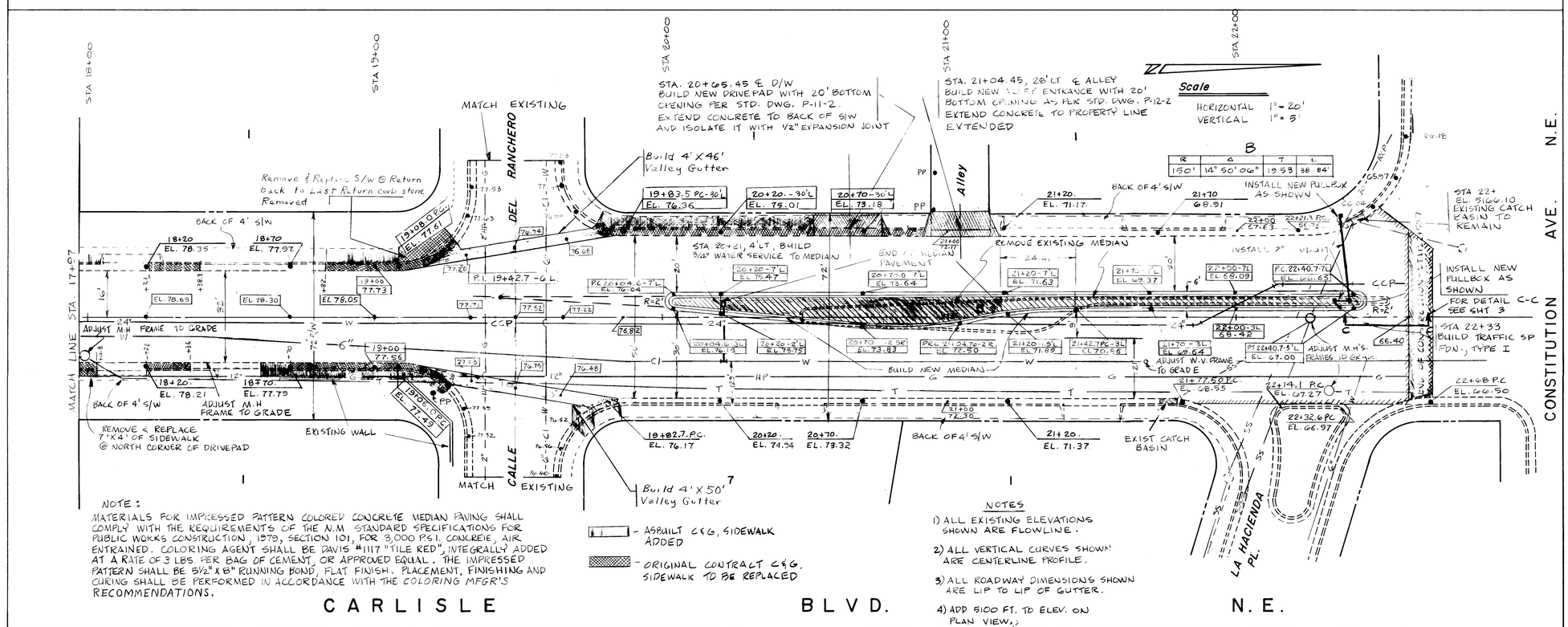
STA. 13+07 to STA. 17+97

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	2/29/84	Liquid Waste		
A.C.E.-Design			Traffic	[illegible]	2/28/84
A.C.E.-Hydrology	Jim Funk	2-28-84	Water Resources	James Jopmann	2-28-84
GA	[illegible]	2-28-84			

DRAWING NO. 1914 | MAP NO. J-16 & 17 | SHEET 7 OF 11

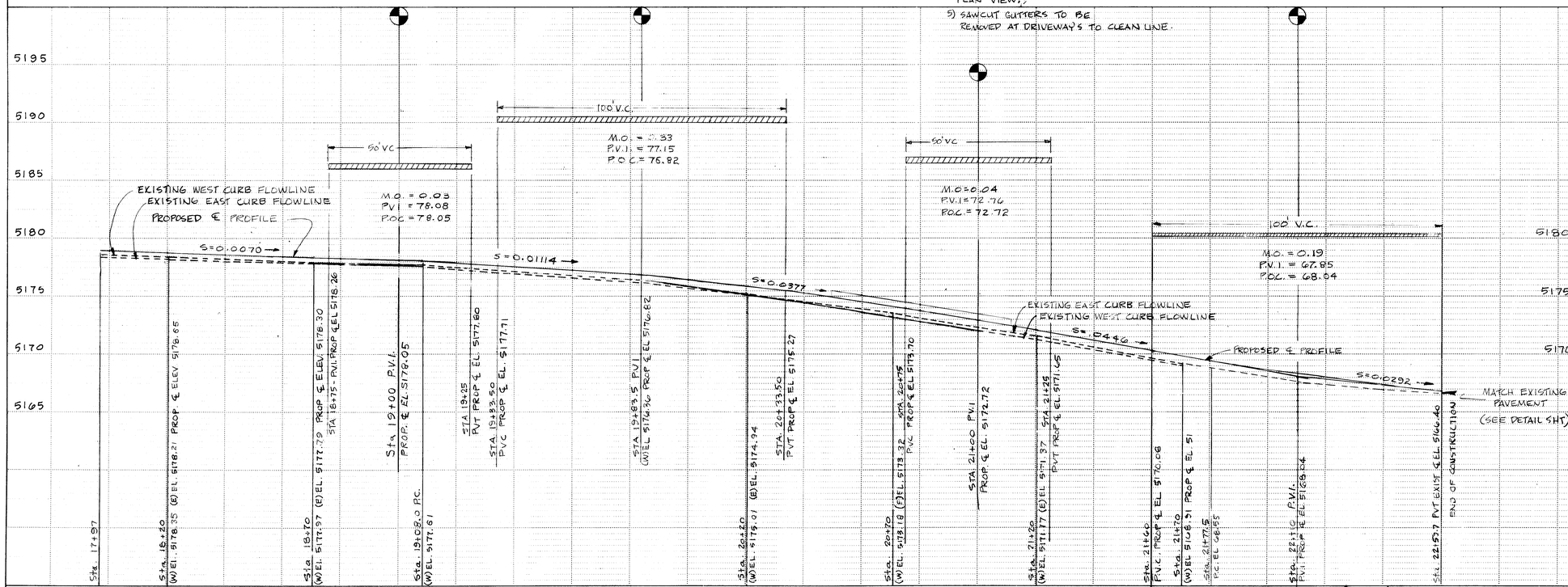


R	Δ	T	L
150'	14° 50' 06"	19.53	38.84'

NOTE:
MATERIALS FOR IMPRESSED PATTERN COLORED CONCRETE MEDIAN PAVING SHALL COMPLY WITH THE REQUIREMENTS OF THE N.M STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979, SECTION 101, FOR 3,000 P.S.I. CONCRETE, AIR ENTRAINED. COLORING AGENT SHALL BE DAVIS #1117 "TILE RED", INTEGRALLY ADDED AT A RATE OF 3 LBS. PER BAG OF CEMENT, OR APPROVED EQUAL. THE IMPRESSED PATTERN SHALL BE 5 1/2" x 8" RUNNING BOND, FLAT FINISH. PLACEMENT, FINISHING AND CURING SHALL BE PERFORMED IN ACCORDANCE WITH THE COLORING MFGR'S RECOMMENDATIONS.

- ASBUILT C&G, SIDEWALK ADDED
- ORIGINAL CONTRACT C&G, SIDEWALK TO BE REPLACED

NOTES
1) ALL EXISTING ELEVATIONS SHOWN ARE FLOWLINE.
2) ALL VERTICAL CURVES SHOWN ARE CENTERLINE PROFILE.
3) ALL ROADWAY DIMENSIONS SHOWN ARE LIP TO LIP OF GUTTER.
4) ADD 5100 FT. TO ELEV. ON PLAN VIEW.
5) SAWCUT GUTTERS TO BE REMOVED AT DRIVEWAYS TO CLEAN LINE.



George Meador 8/27/87

RECORD DRAWINGS

AS BUILT INFORMATION
CONTRACTOR UNIVERSAL CONST.
WORK PERFORMED BY JAKE VIGIL DATE 4/84
ASSISTANCE BY J.A. MARTINEZ DATE 8/1/84
FIELD VERIFICATION BY R. GIVLER DATE
DRAWINGS CORRECTED BY M.Z. DATE 11/1/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STANDARD A.C.S.
BRASS CAP SET ON S/W AT S/W RETURN CORNER CONSTITUTION & CARLISLE
ELEV. 5166.90 CBM CA-4

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
PREPARED UNDER THE DIRECTION OF
George Meador
CERTIFICATE No 7304

NO.	DATE	REMARKS	BY
1	5/1/84	℄ PROFILE ELEV. REWORKED	APK
2	12/1/84	AS BUILT REVISIONS	APK

REVISIONS
DESIGN
DESIGNED BY APK DATE 8/1/83
DRAWN BY MZJ DATE 8/1/83
CHECKED BY GM DATE 8/1/83

26 19140887

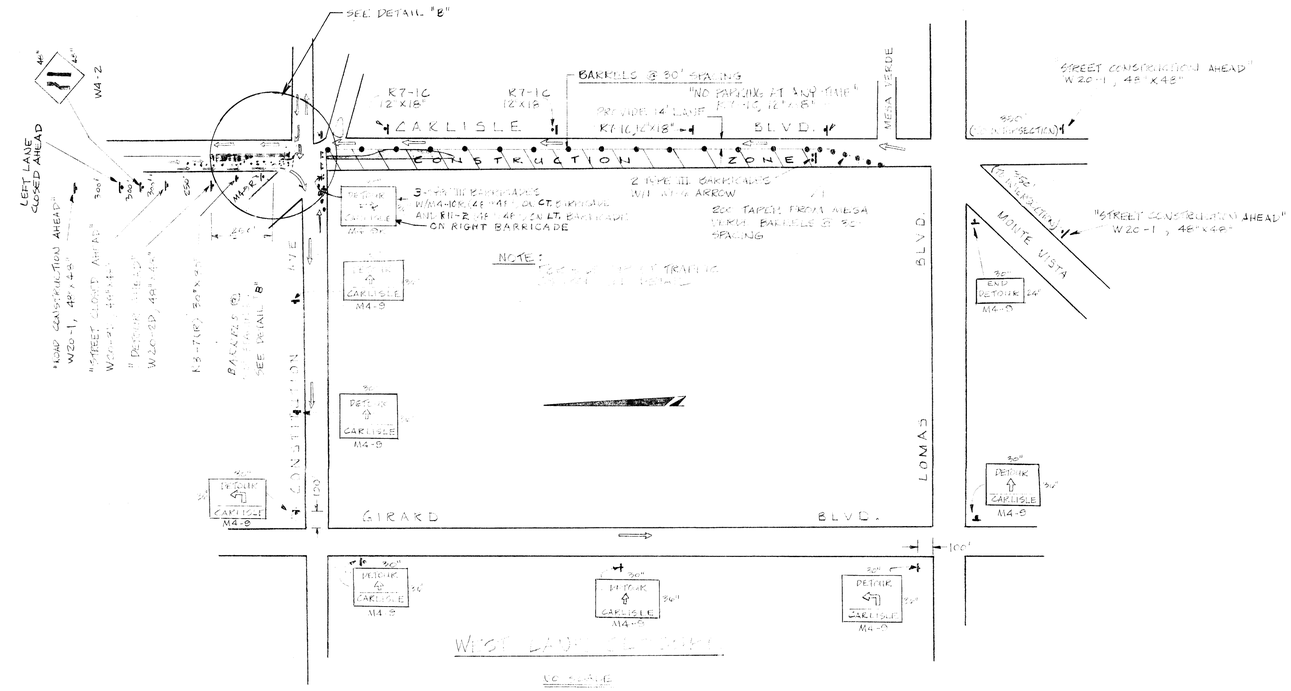
STA. 17+97 to STA. 22+62

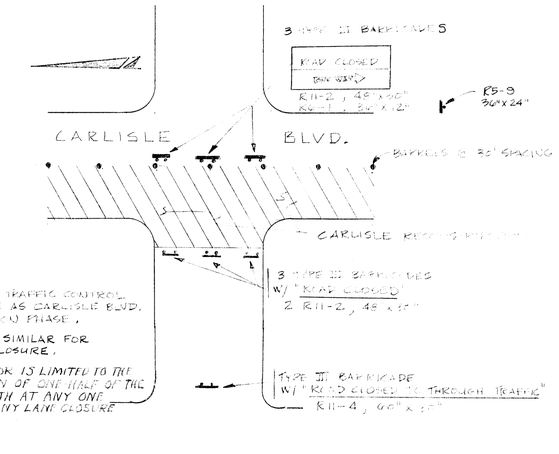
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/29/84	Liquid Waste		
A.C.E - Design			Traffic		
A.C.E - Hydrology		2-28-84	Water Resources	N.A.	2-24-84
QA		2-28-84			

DRAWING NO. 1914
MAP NO. J-16 & 17
SHEET 8 OF 1





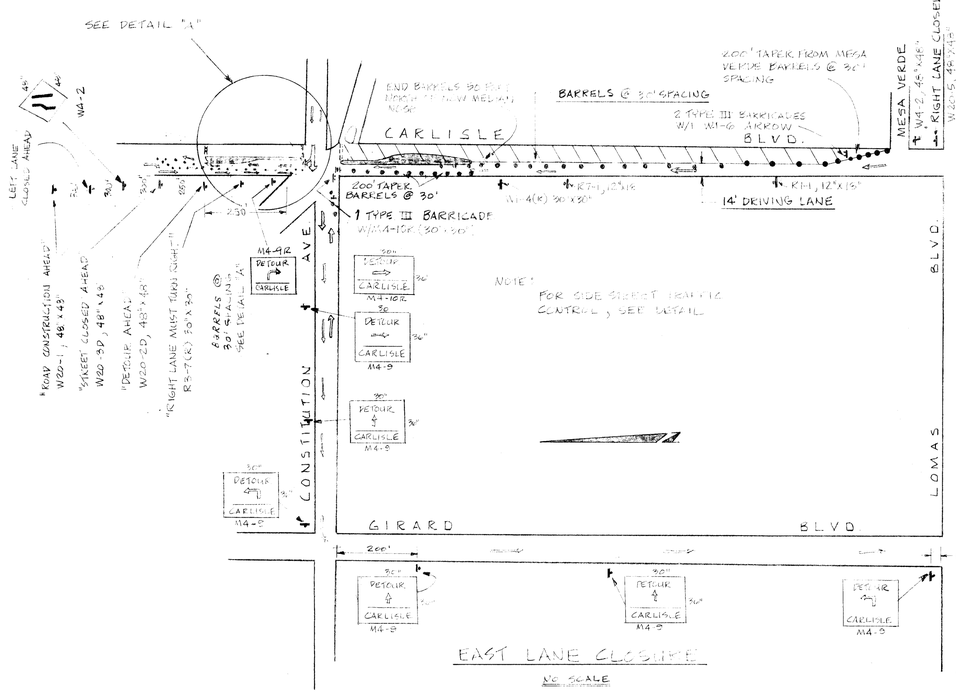
NOTES:

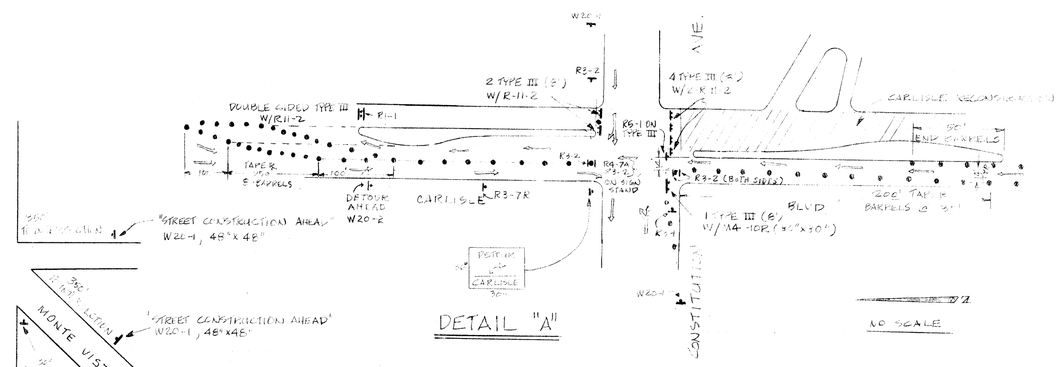
1. SIDE STREET TRAFFIC CONTROL ON SAME SIDE AS CARLISLE BLVD. RECONSTRUCTION PHASE.
2. BARRICADING SIMILAR FOR EAST LANE CLOSURE.
3. THE CONTRACTOR IS LIMITED TO THE RECONSTRUCTION OF ONE HALF OF THE PROJECT LENGTH AT ANY ONE TIME DURING ANY LANE CLOSURE PHASE.

TYPICAL SIDE STREET TRAFFIC CONTROL

NO SCALE

(MACHINE, [illegible] DEL SOL, CALLE DEL MUNDO, [illegible] DEL RANCHERO)





DETAIL "A"

MONTE VISTA

"STREET CONSTRUCTION AHEAD" W20-1, 48"x48"

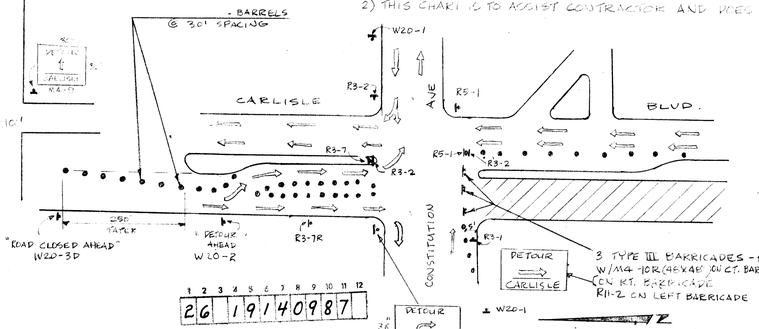
END DETOUR 24"

M4-9

TRAFFIC CONTROL DEVICE QUANTITIES

	BARRICADES	BARRELS OR BARRICADE	M4-9	W20-1	W20-2	W20-5	R4-7	M4-10R	M4-9R	R3-7R	R7-1	R1-1	R11-2	R11-4	W4-2	BARRICADE SIGNS	R11-4	R1-1
WEST LANE CLOSURE	33	115	9	6	2		1	2		1	1		2	4	13	4		1
EAST LANE CLOSURE	42	120	10	6	2	1	1	1	1	3	1	2	1	4	16	4	1	5	8	4	1

NOTES: 1) TYPE II BARRICADES MAY BE USED IN LIEU OF BARRELS.
2) THIS CHART IS TO ASSIST CONTRACTOR AND DOES NOT SHOW TOTAL TRAFFIC QUANTITIES.



	W1-4 (R)	R5-7	R3-7R	R5-9	R3-2	W4-2
WEST LANE CLOSURE	1	1	1	4	5	1
EAST LANE CLOSURE	1	1	1	4	6	1

DETAIL "B"

1	2	3	4	5	6	7	8	9	10	11	12
2	6		1	9	1	4	0	9	8	7	

RECORD DRAWINGS

George Meador 8/27/87

TRAFFIC CONTROL PLAN

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE: CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

		DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	[illegible]	8/28/87	[illegible]	[illegible]	2/20/84
AVE. DESIGN	[illegible]		[illegible]		
[illegible]	[illegible]	2-28-84	Water Resources	N.A. Jones	2-28-84
QA	[illegible]	2-28-84			

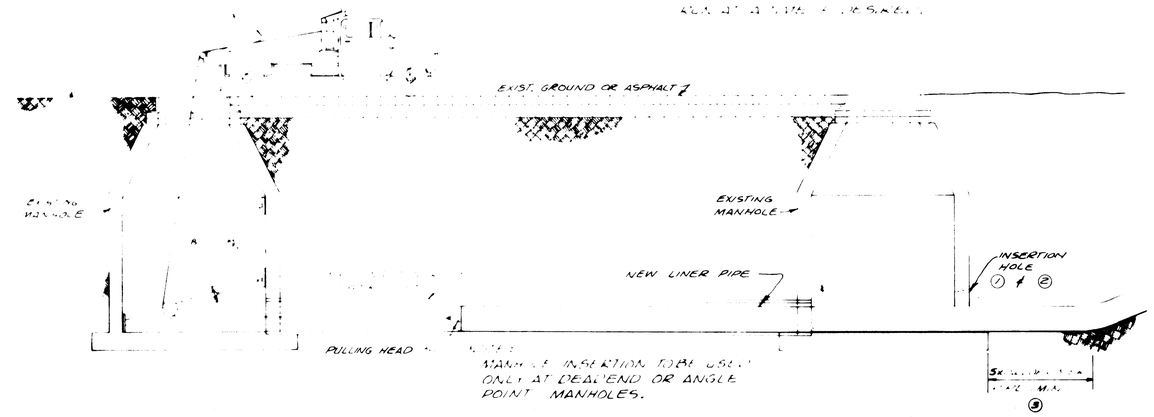
DRAWING NO.	MAP NO.	SHEET
1914	J-16 & 17	9 OF 11

NO.	DATE	REVISIONS	BY	CHECKED BY
1	12/1/86	AS BUILT REVISIONS	G.P.K.	

ENGINEER'S SEAL
PREPARED UNDER THE DIRECTION OF
George Meador
CERTIFICATE NO. 17904

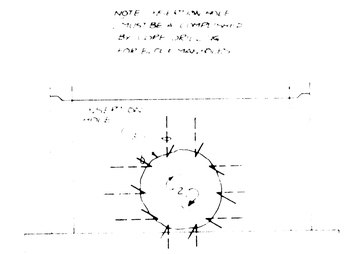
DESIGNED BY C.C. DATE 8/1/83
DRAWN BY M.Z.J. DATE 8/1/83
CHECKED BY B.M. DATE 8/1/83

AS-BUILT INFORMATION
CONTRACTOR
PROJECT MANAGER
INSPECTOR
FIELD ENGINEER
DATE
ENGINEERING DIV.
DATE
ARCHITECT
DATE
SURVEY DIV.
DATE
FIELD BOOK NO.
PAGE NO.



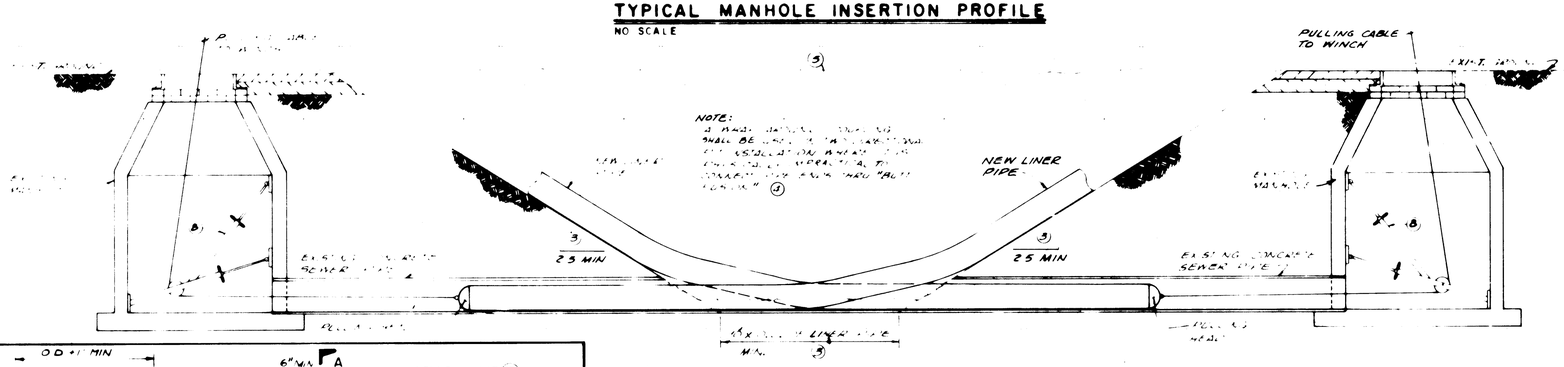
TYPICAL MANHOLE INSERTION PROFILE

NO SCALE



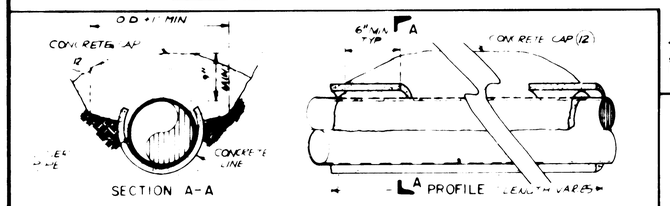
MANHOLE INSERTION DETAIL

SCALE: 3/4" = 1' 0"



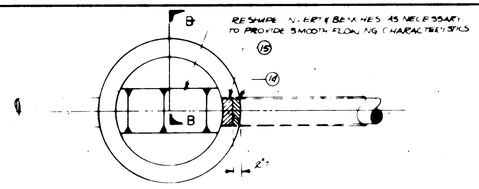
TYPICAL MID-LINE INSERTION PROFILE

NO SCALE



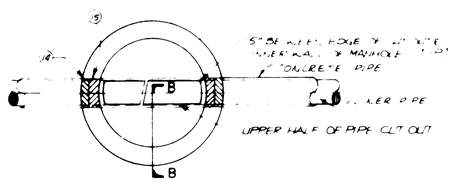
CONCRETE POINT REPAIR

NO SCALE



PLAN VIEW OF MANHOLE - LINER CONNECTION

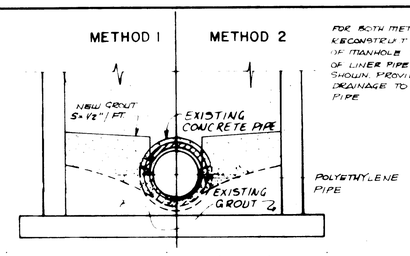
METHOD 1



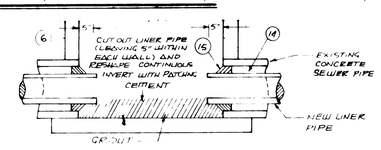
PLAN VIEW OF MANHOLE - INVERT DETAIL

METHOD 2

[illegible] the [illegible] manhole inverts.
[illegible] the liner [illegible] from the manhole wall and to refurbish the invert
[illegible] the liner pipe within the manhole and to
[illegible]

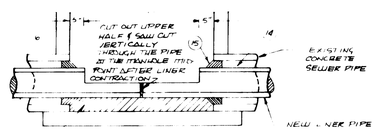


INVERT SECTION (B - B)



RESTRUCTURING MANHOLE INVERT

METHOD 1 - SECTION

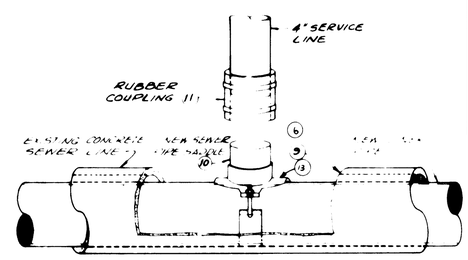


GROUT AS REQUIRED TO RECONSTRUCT BENCH

RESTRUCTURING MANHOLE INVERT

METHOD 2 - SECTION

LASON 1-505-344-9404
BEST COPY AVAILABLE



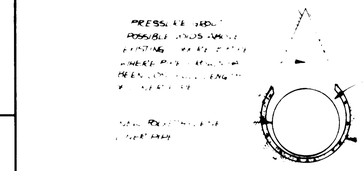
SERVICE RECONNECTION DETAIL

SCALE: 1 1/2" = 1'-0" (CAST IRON SADDLETAP)

George Meador 8/27/87

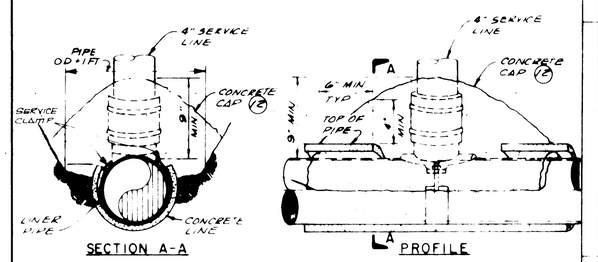
RECORD DRAWINGS

[illegible] in insertion [illegible]
[illegible] "[illegible]"
[illegible]
[illegible] pipe into place. Adequate care shall be maintained [illegible] any damage to the existing manhole.
9. Break out existing concrete sewer pipe crown as required to properly tap and install new saddle tap on liner pipe. Liner tap to be accomplished by using "Fowler Quick-Way Drill System" or Pilot Hole Cutter System".
10. Install new saddle tap on liner pipe and reconnect service line. Cast iron type saddle tap shall be [illegible] #R-2776-D1, or Hersey: Pioneer.
11. Install new coupling with stainless steel straps to [illegible] new sewer tap with service line. Service line shall be relayed as necessary per detail drawings S-8 and S-13.
12. Concrete caps shall be poured around and over all saddle taps as shown on the details below.
13. When installing service saddles, hole in pipe must be accomplished by "core drilling" to provide a smooth, circular hole.
14. Seal annular space by one of the following methods: a) where required, pressure grout entire annular space thru manhole wall; b) in non-ground water conditions, grout annular space for one pipe diameter from manhole wall; c) in ground water conditions, seal annular space for 2" with Elast-O-Meric soaked okum.
15. Waterplug rocktile, or City approved equal to patch annular space.



PRESSURE GROUT DETAIL

NO SCALE



SERVICE CONNECTION CONCRETE CAP

SCALE 1 1/2" = 1' 0"

SANITARY SEWER SLIPLINING DETAILS

PLANS PREPARED UNDER THE DIRECTION OF

1	2	3	4	5	6	7	8	9	10	11	12
2	6	1	9	1	4	1	0	8	7		

George Meador

CERTIFICATE No. 7304

ENGINEER DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	4/29/87	~~Liquid Waste~~		
A.C.E. - Design	[illegible]		Traffic	[illegible]	2/6/87
A.C.E. - Hydrology	[illegible]	2-28-87	Water Resources	[illegible]	2-28-87
Q.A.	[illegible]	3/2/87			

DRAWING NO.	MAP NO.	SHEET OF
1914	J-16&17	10 OF 11

AS BUILT INFORMATION — DATE — DATE — DATE

MICRO-FILM INFORMATION — DATE

BENCH MARKS
STANDARD A.C.S. BRASS CAP SET ON S/W AT E.N.E RETURN.
LOMAS & CARLISLE ELEV. 5193.03
C.B.M. 3J17

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

REFERENCES
MAP NO — WO NO
EST NO

NO	DATE	REMARKS	BY
		REVISIONS	

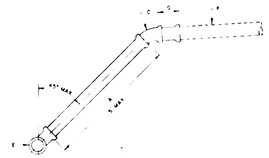
DESIGNED BY WRD — DATE
DRAWN BY WRD — DATE
CHECKED BY — DATE

GENERAL NOTES

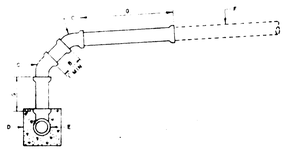
1. IF DISTANCE A IS 10' OR LESS, ROTATE MAIN SERVICE TEE AND RECONNECT SERVICE AS PER DETAIL I. IF A IS GREATER THAN 5' INSTALL RISER AS PER DETAIL II.
2. WHERE DEPTH IS INSUFFICIENT TO ALLOW RECONNECTION AS SHOWN IN DETAIL I OR II, RECONNECT SERVICE AS DIRECTED BY CITY ENGINEER / FIELD.

CONSTRUCTION NOTES

A. VARIABLE WITH A MAX OF 5'.
B. 1' MIN., 1.5' MAX
C. FLOWS, 45° DEFLECTION MAX
D. INSTALL CONCRETE CRADLE ON TEE AS PER DWG S-7.
E. SERVICE TEE
F. EXIST. SERVICE LINE
G. VARIABLE LENGTH



DETAIL I

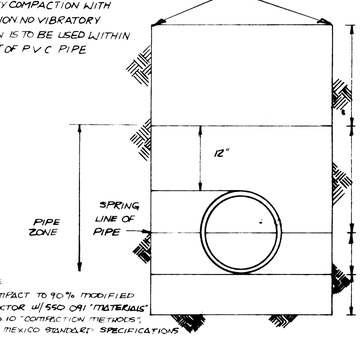


DETAIL II

REVISIONS	CITY OF ALBUQUERQUE
	SEWER SEWER SERVICE REPLACEMENT DETAIL DWG. S-13 JAN. 1981

COMPACTION TO BE ACCOMPLISHED BY SATURATION AND HAND TAMPING OR VIBRATORY COMPACTION WITH ONE EXCEPTION NO VIBRATORY COMPACTION IS TO BE USED WITHIN THREE FEET OF P.V.C PIPE

AFTER CUTTING VERTICALLY TO 12" ABOVE TOP OF PIPE, TRENCH MAY BE SLOPED TO REPOSE OF SOIL



FINAL BACKFILL
NOTE: NO VIBRATORY COMPACTORS SHALL BE USED WITHIN THREE FEET OF P.V.C PIPE

INITIAL BACKFILL
NOTE: INITIAL BACKFILL SHALL BE FREE OF ROCKS, CLODS, & FOREIGN MATERIAL

HAUNCHING

4"-6" BEDDING

NOTE
COMPACT TO 90% MODIFIED PROCTOR W/ 550.091 "MATERIALS" & 550.10 "COMPACTION METHODS", NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION

BEDDING FOR DIRECT BURIAL

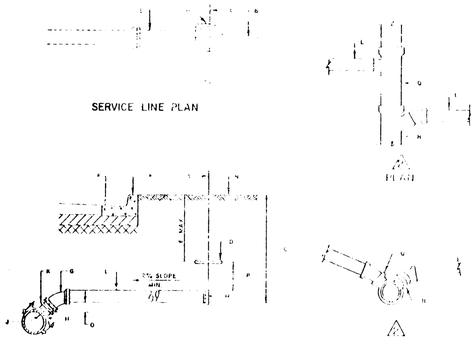
N.T.S.

GENERAL NOTES

1. ALL SERVICE LINES [illegible] THE PLUMBING CODE.
2. SERVICE LINES [illegible] OR NOTIFY FOR A MORE [illegible]

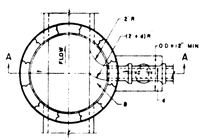
CONSTRUCTION NOTES

A. RIGHT OF WAY LINE
B. ℄ SERVICE LINE
C. MIN OF 4" [illegible] AT RIGHT OF WAY [illegible]
D. RECEIVING MANHOLE [illegible] PLACED PRIOR TO NEW [illegible] PUMPED
E. STAMP ON CURB [illegible]
F. CURB AND GUTTER
G. 22.5° OR 45° BEND
H. CONC BRIDGE SUPPORT [illegible] SPACING OR FILL OR PLACE [illegible] AUTHORIZED EQUAL
J. SERVICE LINE SHALL [illegible] WITH WYE
K. STANDARD SEWER [illegible] OF THE SEWER SERVICE [illegible] REQUIREMENTS OF S.T.S. [illegible]
L. SERVICE LINE [illegible]
M. [illegible]
N. [illegible]
P. MAXIMUM SLOPE [illegible] IN MORE [illegible]
Q. TEE [illegible]
R. WYE [illegible]



REVISIONS	CITY OF ALBUQUERQUE
	SEWER SERVICE LINE DETAILS DWG. S-8

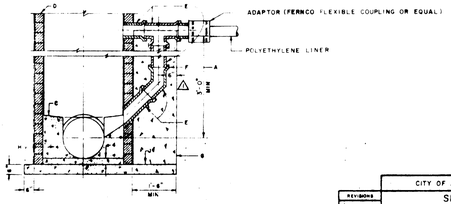
NOTE: BACKFILL FOR SEWER SERVICE TRENCH SHALL BE COMPACTED IN 8" LIFTS AT 90% OF THE MAXIMUM COMPACTIVE EFFORT AS DETERMINED BY ASTM D1557. THE TOP TWO LIFTS SHALL BE AT 95% OF THE COMPACTIVE EFFORT. THE MATERIAL USED SHALL BE AS SPECIFIED UNDER SECTION 550.091 OF THE S.T.S.



FLOOR PLAN

CONSTRUCTION NOTES:

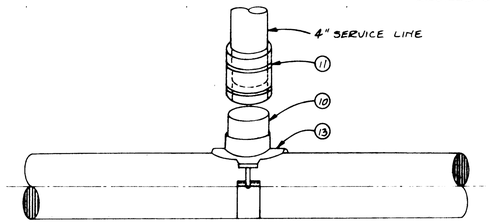
A. VERTICAL DROP
B. FORM PIPE INVERT IN SHELF.
C. SLOPE, 1" PER FT
D. M.H. TYPE FOR UPPER PORTION WILL BE SPECIFIED ON DESIGN PROFILE.
E. EXISTING DUCTILE IRON PIPE.
F. USE BELL AND SPIGOT 45° SHORT OR LONG RADIUS BEND
G. CONC. SUPPORT WIDTH EQUALS PIPE O.D PLUS 8" MIN. EACH SIDE.
H. CONC. FILL TO BE TYPE II CEMENT.
J. REINFORCED CONC. BASE, SEE CONSTRUCTION NOTE F OF DWG. S-1 & DWG. S-2.



SECTION A-A

REVISIONS	CITY OF ALBUQUERQUE
	SEWER VERTICAL DROP AT MH DWG. S-4-1 NOV. 1979

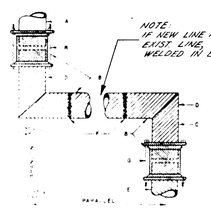
NOTE: SEE KEYED NOTES ON PREVIOUS SHEET.



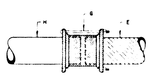
CAST IRON SADDLE TAP (FOR DIRECT BURIAL CONNECTIONS)

(CITY APPROVED)

LASON 1-505-344-9404
BEST COPY AVAILABLE



REPLACEMENT OF STEEL LINES 4"-12" CONNECTION DETAILS



TRANSITION COUPLING

TEE INSERTION D.I., C.I. OR A.C. PIPE

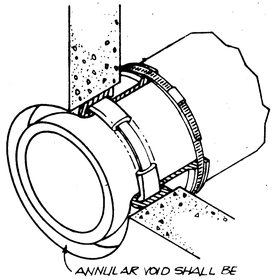
CONNECTION TO STEEL PIPE

CONSTRUCTION NOTES:

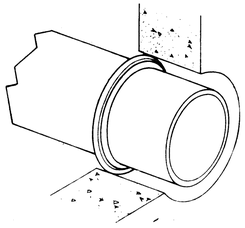
A. EXISTING STEEL PIPE
B. TAR, WRAP AND TIE STEEL PIPE AND COUPLING AS PER AWWA C-209-76
C. REDUCE MAT COUPLING, IF EXISTING LINE IS SMALLER THAN NEW LINE
D. 90° ELBOW
E. NEW D.I., C.I. & A.C. OR PVC PIPE
F. WELD ALL JOINTS
G. TRANSITION COUPLING
H. EXISTING C.I. OR A.C. PIPE
J. M.J. C.I. TEE
K. GATE VALVE FL-M.J.
L. WELDING COLLAR
M. STEEL WELDING NECK FL
N. TAR COAT COLLAR, NECK AND DAMAGED PIPE COATING
O. M.J. FLANGE
P. FLANGE
Q. PRESSURIZED CONNECTION
R. ALL STEEL COUPLING

REVISIONS	CITY OF ALBUQUERQUE
	WATER WATERLINE CONNECTION DETAILS DWG. W-1-1 NOV. 1979

NOTE
THE CONTRACTOR SHALL INSTALL A FLEXIBLE SEALING GASKET AT THE MANHOLES FOR P.V.C ~~TRUSS TRUSS~~ LINES. THE GASKET SHALL BE A "PRESS SEAL PS 10" JOHNS-MANVILLE, HAMILTON KENT MANHOLE ADAPTOR RING, OR CITY APPROVED EQUAL



ANNULAR VOID SHALL BE PATCHED WITH A HYDRAULIC PATCHING CEMENT



MANHOLE GASKETS

AS BUILT INFORMATION

BENCH MARKS: NA STANDARD A.C.S. BRASS CAP SET ON S/W AT E.N.E. RETURN. LOMAS & CARLISLE ELEV. 5193.03 C.B.M. 3J17

SURVEY INFORMATION: FIELD NOTES — NO / BY / DATE: NA

REFERENCES: MAP NO. N A; EST. NO; WO. NO

NO	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY WRD DATE
DRAWN BY WRD DATE
CHECKED BY DATE

CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIF. AT N BY
DRAWINGS CORRECT BY
MICRO-FILM INFORMATION
RECEIVED BY
DATE

George Meador 8/27/87

1 2 3 4 5 6 7 8 9 10 11 12
2 6 1 9 1 4 1 1 8 7

RECORD DRAWINGS

Dave Vincent 9/24/87

SANITARY SEWER SLIPLINNG DETAILS

PLANS PREPARED UNDER THE DIRECTION

George Meador

CERTIFICATE No. 7304

APPROVED FOR CONSTRUCTION

ENGINEER DATE

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
PLANNING AND PROGRAMMING DIVISION

TITLE CARLISLE BOULEVARD
MESA VERDE AVENUE to CONSTITUTION DIVISION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer					
A.E. Design		2/24/84	Traffic		
A.C.E. - Hydrology	Jim Jones	2-24-84	Water Resources	T.W. Kennedy / James Jopinsky	2/28/84 / 2-28-84
QA		2-28-84			

DRAWING NO. 1914 MAP NO. J-16 & 17 SHEET 11 OF 11