

· L E G E N D ·

MATERIALS

CONCRETE	
RIP-RAP	

LINES

SUBDIVISION BOUNDARY	
PROPERTY LINE (PLAN)	
PROPERTY LINE (SECTION)	
CENTERLINE	
EASEMENT LINE	
MATCH LINE	
SECTION CUT LINE	

EARTHWORK

	EXISTING	NEW
CONTOUR LINE		
SPOT ELEVATION		
PROJECT / PHASE BOUNDARY		
SWALE		
DIRECTION OF FLOW		

MISCELLANEOUS UTILITIES

GAS LINE		
UNDERGROUND TELEPHONE		
UNDERGROUND ELECTRICAL		
STORM DRAIN		
STORM DRAIN MANHOLE		
STORM DRAIN INLET		

SANITARY SEWER

SANITARY SEWER LINE		
SANITARY SEWER MANHOLE		
SAS SERVICE CONNECTIONS		
SAS CAP OR PLUG		
ENCASEMENT		

WATER

WATER LINE		
WATER SERVICE CONNECTIONS		
GATE VALVE		
FIRE HYDRANT		
BUTTERFLY VALVE		
REDUCER		
WATER PRESSURE ZONE BOUNDARY		

WATER FITTINGS

CAPS AND PLUGS		
ELBOW		
CROSS		
TEE		

MISCELLANEOUS

CHAINLINK FENCE		
FIELD FENCE		
COMMON YARD WALL		
RETAINING WALL		
POWER OR TELEPHONE POLE		

CONSTRUCTION PLANS
FOR
VOLCANO BUSINESS PARK
PHASE II-A
ALBUQUERQUE, NEW MEXICO
JULY, 1987

INDEX OF DRAWINGS

- COVER SHEET, INDEX OF DRAWINGS, GENERAL NOTES & LEGEND
- FINAL PLAT
- PAVING SITE PLAN, SECTIONS & DETAILS
- WATER & SANITARY SEWER SITE PLAN
- STORM DRAINAGE SITE PLAN, SECTIONS & DETAILS

PAVING IMPROVEMENTS PLAN & PROFILE

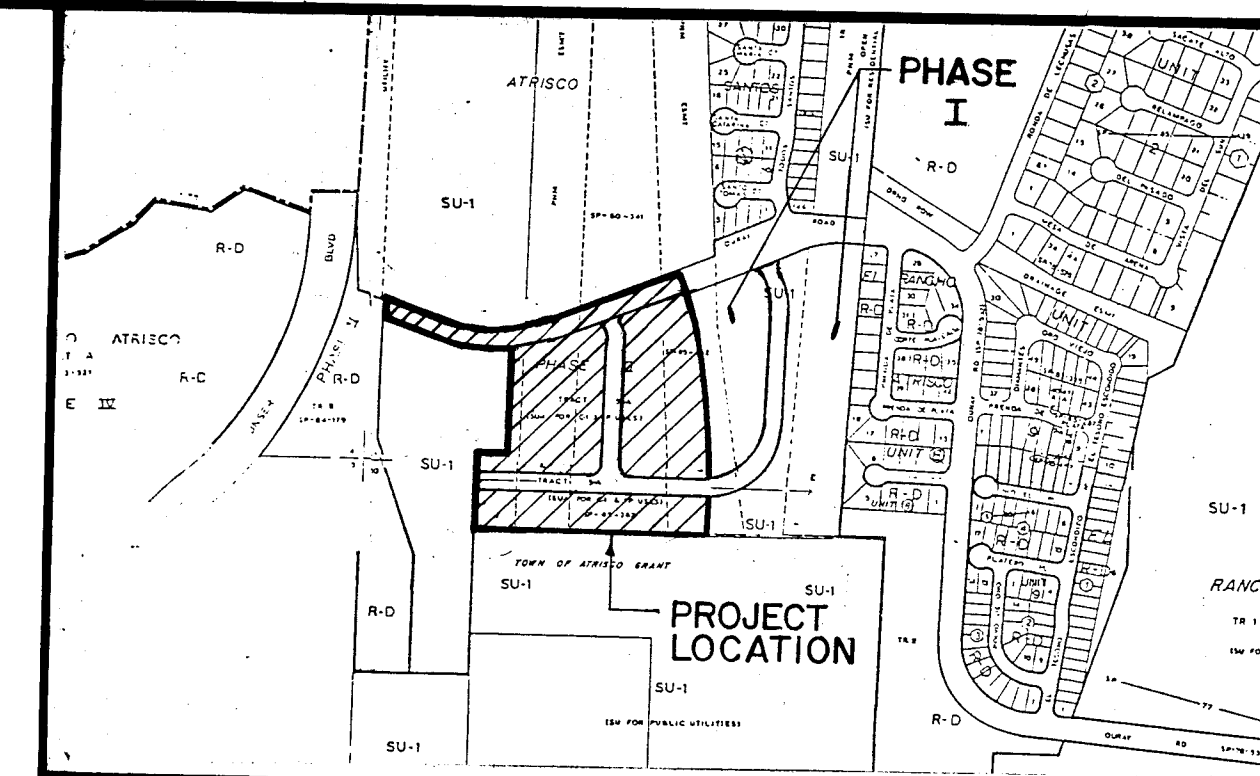
- OURAY ROAD N.W. STA. 7+39.97 TO STA. 18+00
- OURAY ROAD N.W. STA. 18+00 TO STA. 20+73.20
- VULCAN STREET N.W. STA. 10+00 TO STA. 16+63.96 (FOR INFORMATION ONLY)
- PIEDRA LUMBRE STREET N.W. STA. 10+00 TO STA. 17+71.36 (FOR INFORMATION ONLY)

WATER & SANITARY SEWER EXTENSIONS PLAN & PROFILE

- OURAY ROAD N.W. STA. 7+39.97 TO STA. 18+00
- OURAY ROAD N.W. STA. 18+00 TO STA. 20+73.20
- VULCAN STREET N.W. STA. 10+00 TO STA. 16+63.96
- PIEDRA LUMBRE STREET N.W. STA. 10+00 TO STA. 17+71.36 (FOR INFORMATION ONLY)

STORM DRAINAGE IMPROVEMENTS PLAN & PROFILE

- DRAINAGE CHANNEL STA. 7+39 TO STA. 14+13.66 (FOR INFORMATION ONLY)

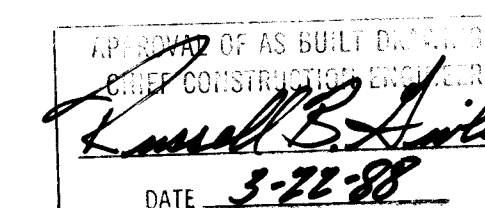


VICINITY MAP
SCALE: 1" = 800'

G-9,10 & H-10

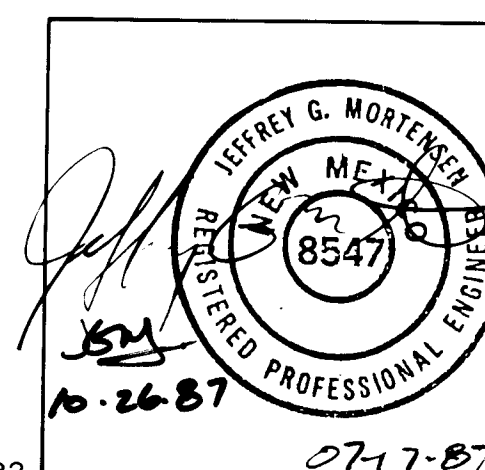
GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO TRAFFIC ENGINEERING TO RECEIVE A BARRICADING PERMIT 48 HOURS PRIOR TO CONSTRUCTION.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSURED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

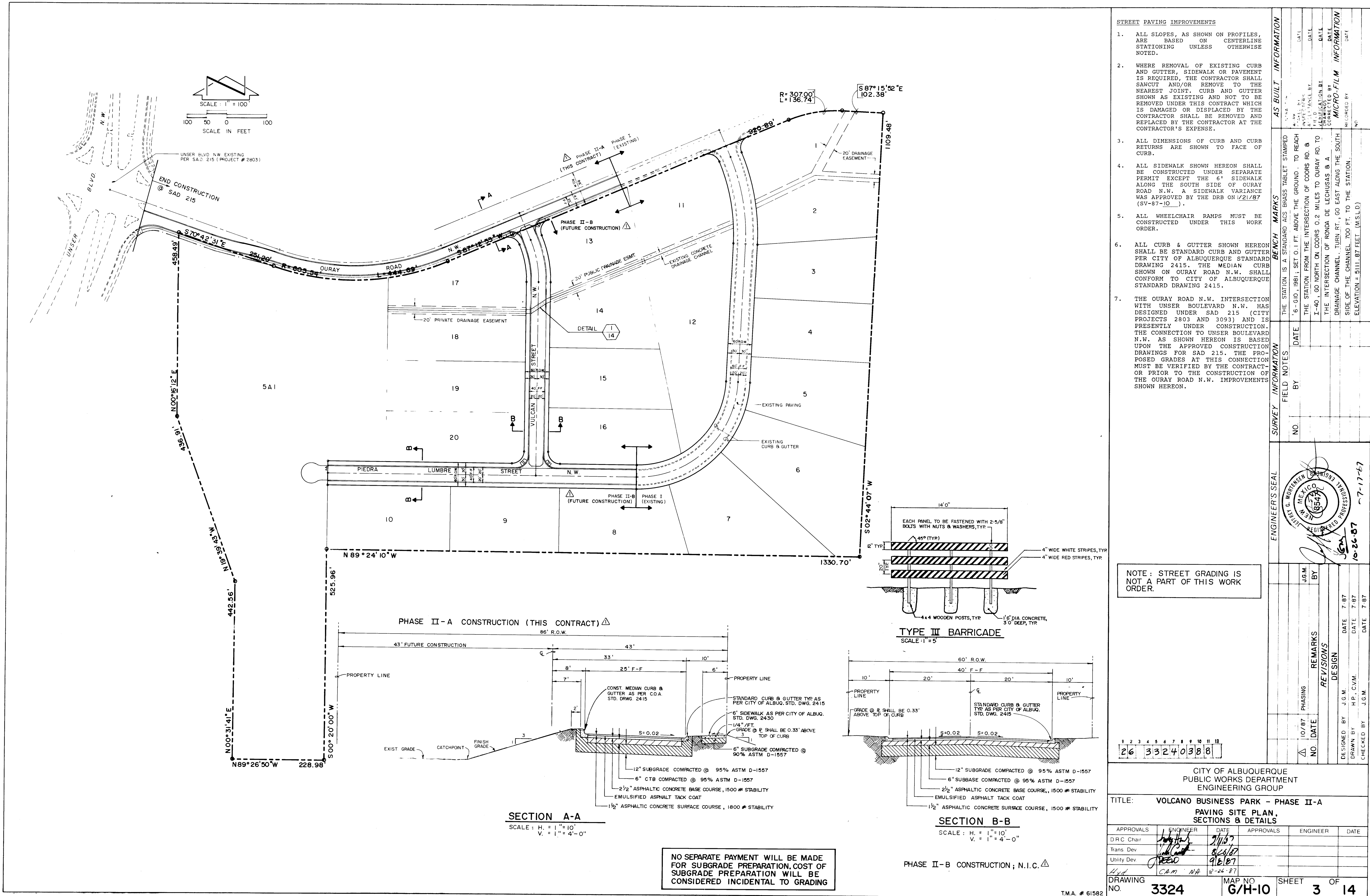


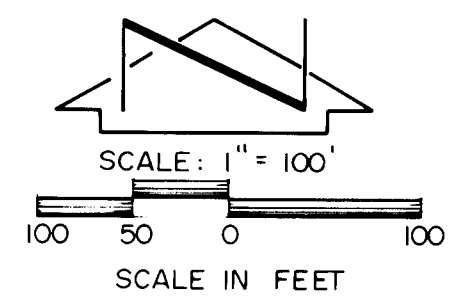
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26 33240188

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
	1,3-14						
APPROVAL OF REVISIONS							



	APPROVED FOR CONSTRUCTION 11-17-87 C.E.
DRAWING NO. 3324	SHEET 1 OF 14





NOTES :

SANITARY SEWER SYSTEM

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. ALL SEWER PIPE SHALL BE PVC (SDR 35) OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 6).
3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
4. ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE 'B' AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.
5. SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISKS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2121. END SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
6. VITRIFIED CLAY AND DUCTILE IRON ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.

WATER DISTRIBUTION SYSTEM

7. ALL STATIONING IS BASED ON STREET CENTERLINE.
8. WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 12).
9. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (TOP OF CURB TO TOP OF PIPE).
10. WATER LINE SHALL BE LOCATED 10'0" NORTH AND WEST OF AND PARALLEL TO STREET CENTERLINE UNLESS OTHERWISE NOTED.
11. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
12. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.

AS BUILT INFORMATION	
INTERACTION	
WORK	
DESIGNED BY	DATE
INSPECTED BY	DATE
FIELD CHANGE BY	DATE
VERIFICATION BY	DATE
DRAWINGS	
CORRECTED BY	DATE
RECORDED BY	DATE
NO	

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "6-GIO, 1981; SET 0.1 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF COORS RD. & I-40, GO NORTH ON COORS 0.2 MILES TO OURAY RD. TO THE INTERSECTION OF RONDA DE LECHUSAS & A DRAINAGE CHANNEL. TURN RT., GO EAST ALONG THE SOUTH SIDE OF THE CHANNEL 700 FT. TO THE STATION. ELEVATION = 5111.87 FEET (M.S.L.D.)

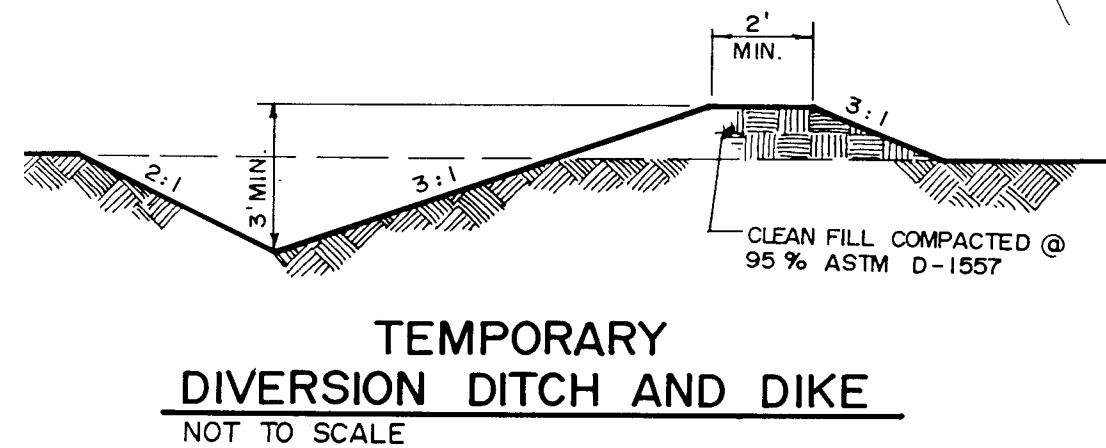
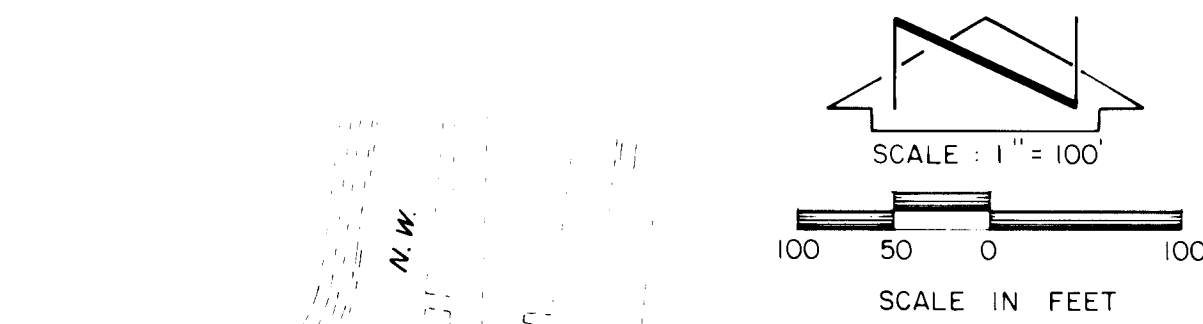
[illegible][illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: VOLCANO BUSINESS PARK - PHASE II-A
WATER & SANITARY SEWER SITE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	<i>[Signature]</i>	7/11/87			
Trans Dev	<i>[Signature]</i>	8/28/87			
Utility Dev	<i>[Signature]</i>	9/10/87			
<i>[Signature]</i>	CAM N/A	8-27-87			

DRAWING NO.	3324	MAP NO.	G/H-10	SHEET	4	OF	14
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EL RANCHO ATRISCO
PHASE II, TRS. A & B
FILED MAY 3, 1984
VOL. C23, FOL. 179

CONSTRUCT TEMPORARY
CUL-DE-SAC & DESLTING
BASIN, BOTTOM @ 56.0

5A1 GRADE-DIVERSION DITCH &
DIKE PER TYPICAL SECTION
THIS SHEET, MIN. SLOPE = 1%

GRADE-DIVERSION
DITCH & DIKE PER
TYPICAL SECTION
THIS SHEET, MIN.
SLOPE = 1.5 %

P.N.M.
SWITCHING STATION
FILED MAY 4, 1981
VOL. D593, FOL. 223

NOTE:
GRADING IS SHOWN ON THIS SHEET FOR
INFORMATION ONLY, AND IS NOT A PART
OF THIS WORK ORDER. STREET GRADING
IS ALSO NOT A PART OF THIS WORK
ORDER.

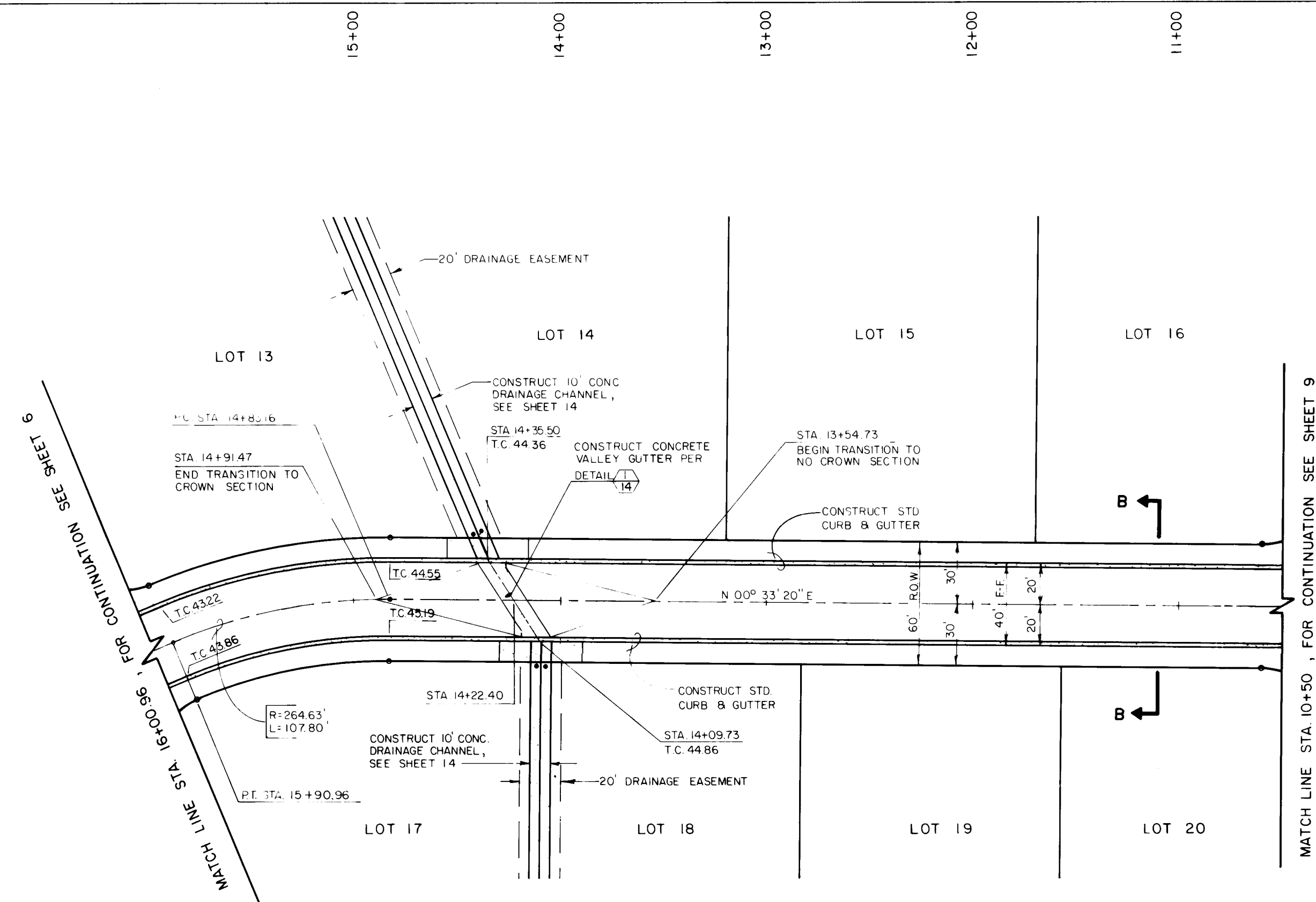
EL RANCHO ATRISCO
UNIT 8
JULY 11, 1977 VOL. C17, FOL. 185

- NOTES:
1. SLOPES SHALL NOT EXCEED 3:1, UNLESS INDICATED OTHERWISE.
 2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATING OF EXISTING UTILITIES.
 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 4. 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.
 5. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
 6. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
 7. COMPACTION SHALL BE AS SPECIFIED HEREON.
 8. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
 9. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
 10. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

1 2 3 4 5 6 7 8 9 10 11 12
26 33240588

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: VOLCANO BUSINESS PARK - PHASE II-A STORM DRAINAGE SITE PLAN, SECTIONS & DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	7/6/87			
Trans Dev	<i>[Signature]</i>	8/28/87			
Utility Dev	<i>[Signature]</i>	9/18/87			
	CAM	8-24-87			
DRAWING NO.	3324	MAP NO.	G/H-10	SHEET	5 OF 14

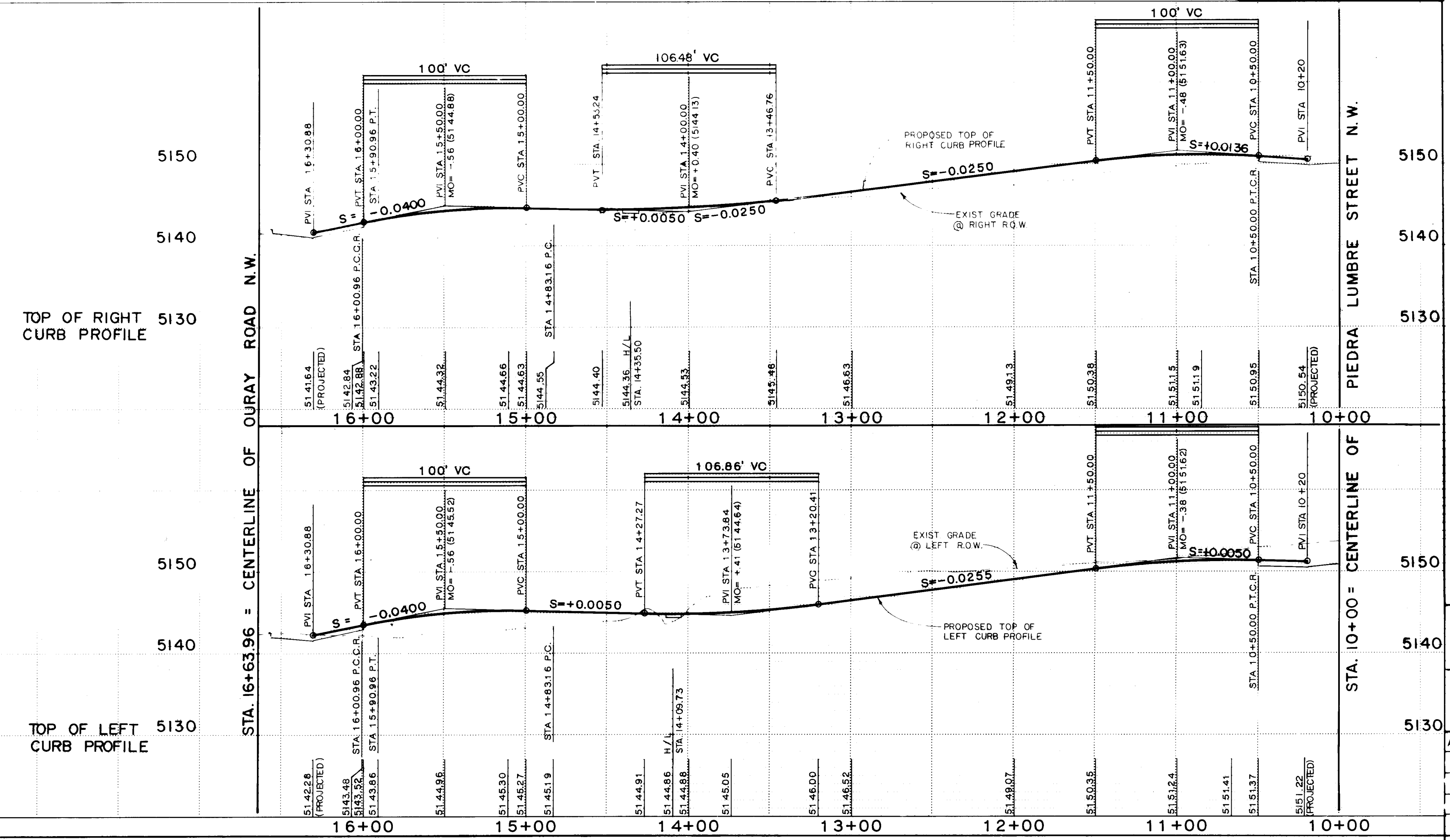
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
 KEVIN M. HERON STATE OF NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 8847		FIELD NOTES		DATE		DATE	
		NO.	BY	NO.	DATE	NO.	DATE
REVISIONS		DESIGN		REVISIONS		DESIGN	
DESIGNED BY J.G.M.		DATE 7-87		DESIGNED BY J.G.M.		DATE 7-87	
DRAWN BY H.P.S.G.H./C.V.M.		DATE 7-87		DRAWN BY H.P.S.G.H./C.V.M.		DATE 7-87	
CHECKED BY J.G.M.		DATE 7-87		CHECKED BY J.G.M.		DATE 7-87	



PHASE II-B CONSTRUCTION; NOT PART OF THIS CONTRACT - FOR INFORMATION ONLY.

VULCAN STREET N.W.

HORIZONTAL SCALE: 1"= 50'
VERTICAL SCALE: 1"= 10'



NOTE: STREET GRADING IS NOT A PART OF THIS WORK ORDER.

STREET PAVING IMPROVEMENTS

1. ALL SLOPES, AS SHOWN ON PROFILES, ARE BASED ON CENTERLINE STATIONING UNLESS OTHERWISE NOTED.

2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

3. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.

4. ALL SIDEWALK SHOWN HEREON SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT EXCEPT THE 6' SIDEWALK ALONG THE SOUTH SIDE OF OURAY ROAD N.W. A SIDEWALK VARIANCE WAS APPROVED BY THE DRB ON 1/21/87 (SV-87-10).

5. ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.

6. ALL CURB & GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415. THE MEDIAN CURB SHOWN ON OURAY ROAD N.W. SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD DRAWING 2415.

7. THE OURAY ROAD N.W. INTERSECTION WITH UNSER BOULEVARD N.W. HAS DESIGNED UNDER SAD 215 (CITY PROJECTS 2803 AND 3093) AND IS PRESENTLY UNDER CONSTRUCTION. THE CONNECTION TO UNSER BOULEVARD N.W. AS SHOWN HEREON IS BASED UPON THE APPROVED CONSTRUCTION DRAWINGS FOR SAD 215. THE PROPOSED GRADES AT THIS CONNECTION MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION OF THE OURAY ROAD N.W. IMPROVEMENTS SHOWN HEREON.

AS BUILT INFORMATION

DATE: 7-87
BY: JGM

DATE: 7-87
BY: JGM

DATE: 7-87
BY: JGM

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED '6-GIO, 1981, SET 0.1 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF COORS RD. & I-40, GO NORTH ON COORS 0.2 MILES TO OURAY RD. TO THE INTERSECTION OF RONDA DE LECHUSAS & A DRAINAGE CHANNEL. TURN RT., GO EAST ALONG THE SOUTH SIDE OF THE CHANNEL 700 FT. TO THE STATION. ELEVATION = 5111.87 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO. 1
BY JGM

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER
J.G.M.
6-22-87

REVISIONS

DESIGN
DATE 7-87
DRAWN BY JGM
CHECKED BY JGM

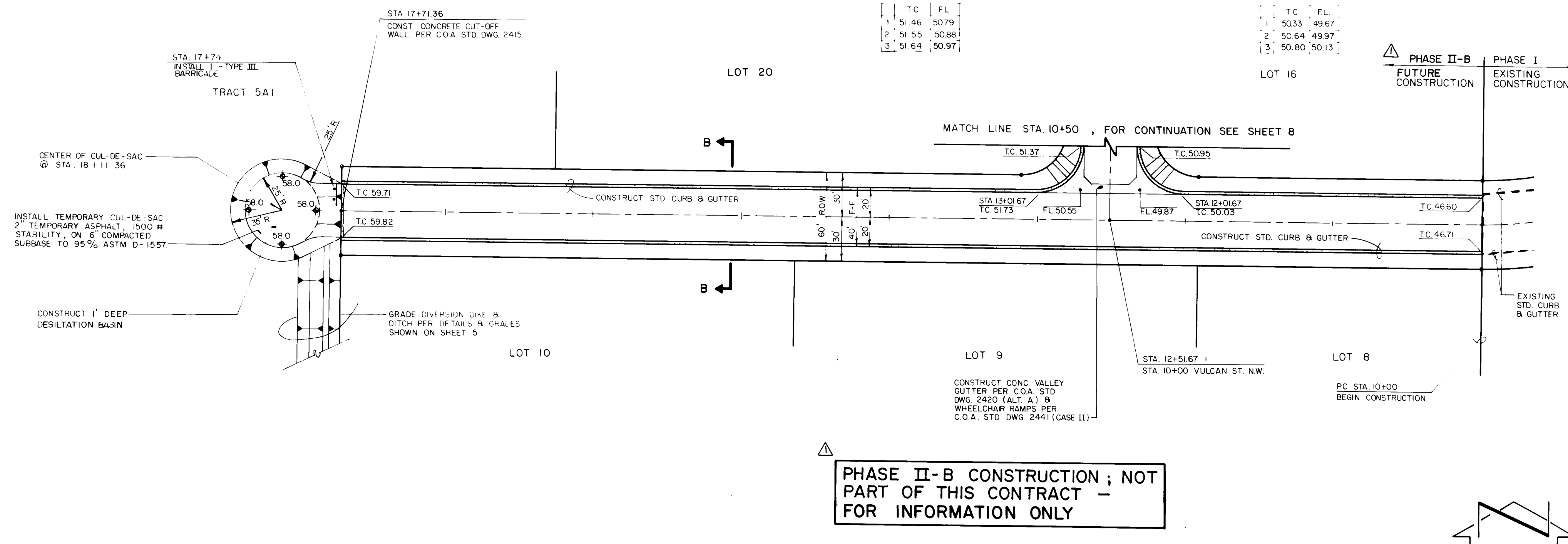
TITLE: PAVING IMPROVEMENTS PLAN & PROFILE
STA. 10+00 TO STA. 16+63.96
VULCAN STREET N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR C. Chair	JGM	7/8/87	Liquid Waste	JGM	7/8/87
Design	JGM	7/8/87	Traffic	JGM	7/8/87
Hydrology	JGM	7/8/87	Water	JGM	7/8/87

DRAWING NO. 3324

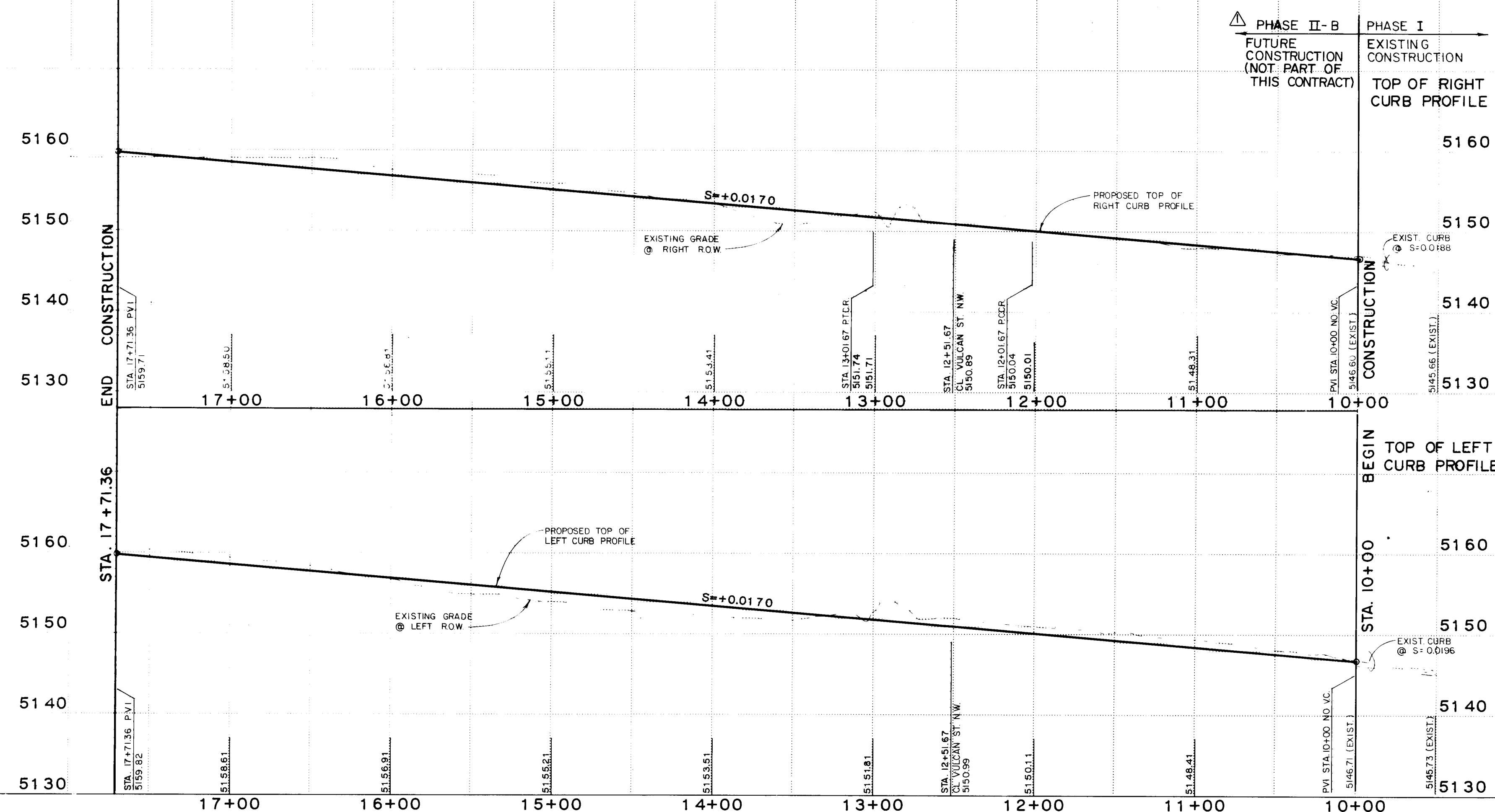
MAP NO. G/H-10

SHEET 8 OF 14



PIEDRA LUMBRE STREET N.W.

HORIZONTAL SCALE: 1"= 50'
VERTICAL SCALE: 1"= 10'



NOTE: STREET GRADING IS NOT A PART OF THIS WORK ORDER.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: PAVING IMPROVEMENTS PLAN & PROFILE
STA. 10+00 TO STA. 17+71.36
PIEDRA LUMBRE STREET N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		7/1/87	Liquid Waste		9/18/87
Design			Traffic		9/18/87
Hydrology		8-26-87	Water		9/18/87

DRAWING NO. 3324 MAP NO. G/H-10 SHEET 9 OF 14
T.M.A. # 61582

STREET PAVING IMPROVEMENTS		AS BUILT INFORMATION	
1.	ALL SLOPES, AS SHOWN ON PROFILES, ARE BASED ON CENTERLINE STATIONING UNLESS OTHERWISE NOTED.	DATE	DATE
2.	WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.	DATE	DATE
3.	ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.	DATE	DATE
4.	ALL SIDEWALK SHOWN HEREON SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT EXCEPT THE 6' SIDEWALK ALONG THE SOUTH SIDE OF OURAY ROAD N.W. A SIDEWALK VARIANCE WAS APPROVED BY THE DRB ON 1/21/87 (SV-87-10).	DATE	DATE
5.	ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.	DATE	DATE
6.	ALL CURB & GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415. THE MEDIAN CURB SHOWN ON OURAY ROAD N.W. SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD DRAWING 2415.	DATE	DATE
7.	THE OURAY ROAD N.W. INTERSECTION WITH UNSER BOULEVARD N.W. HAS DESIGNED UNDER SAD 215 (CITY PROJECTS 2803 AND 3093) AND IS PRESENTLY UNDER CONSTRUCTION. THE CONNECTION TO UNSER BOULEVARD N.W. AS SHOWN HEREON IS BASED UPON THE APPROVED CONSTRUCTION DRAWINGS FOR SAD 215. THE PROPOSED GRADES AT THIS CONNECTION MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION OF THE OURAY ROAD N.W. IMPROVEMENTS SHOWN HEREON.	DATE	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER

MECHANICAL

1954

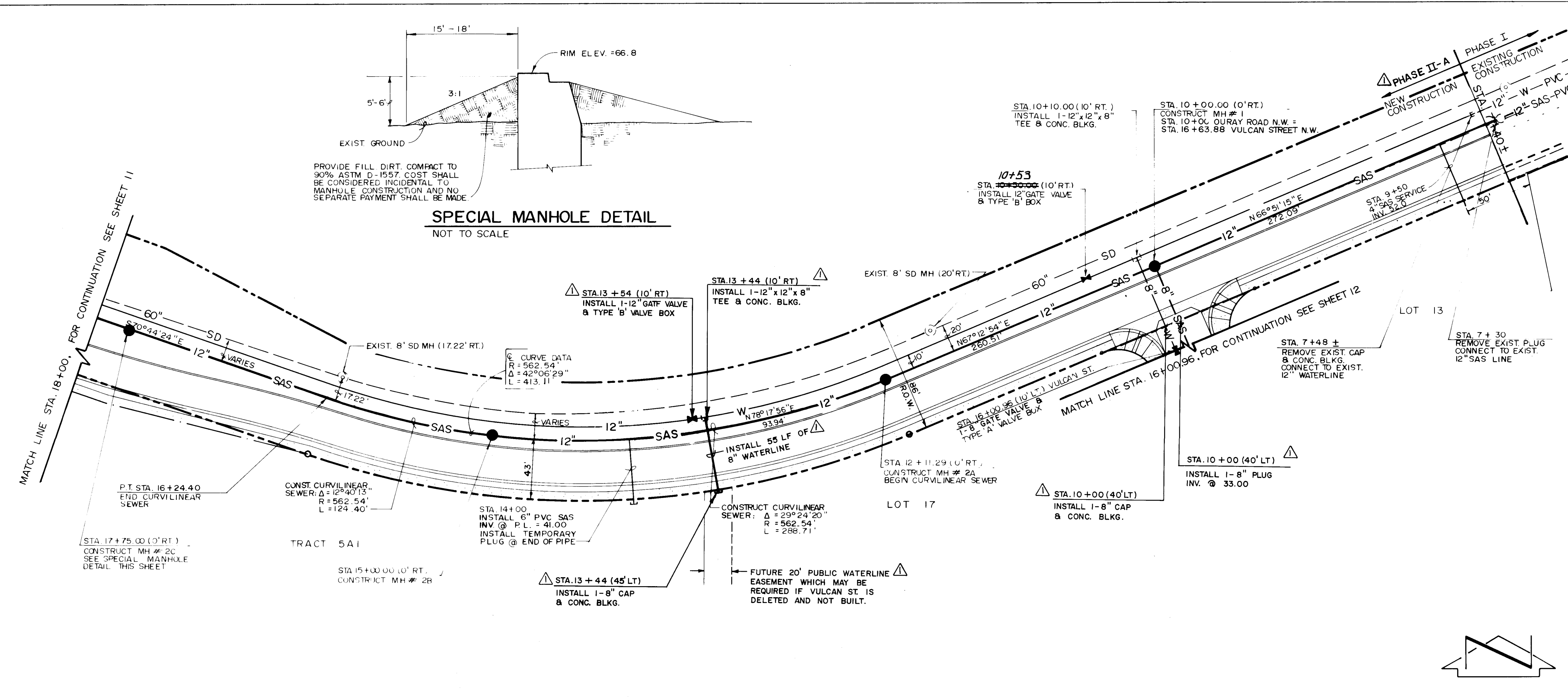
10-26-87

10-17-87

REVISIONS

NO.	DATE	REVISIONS
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2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

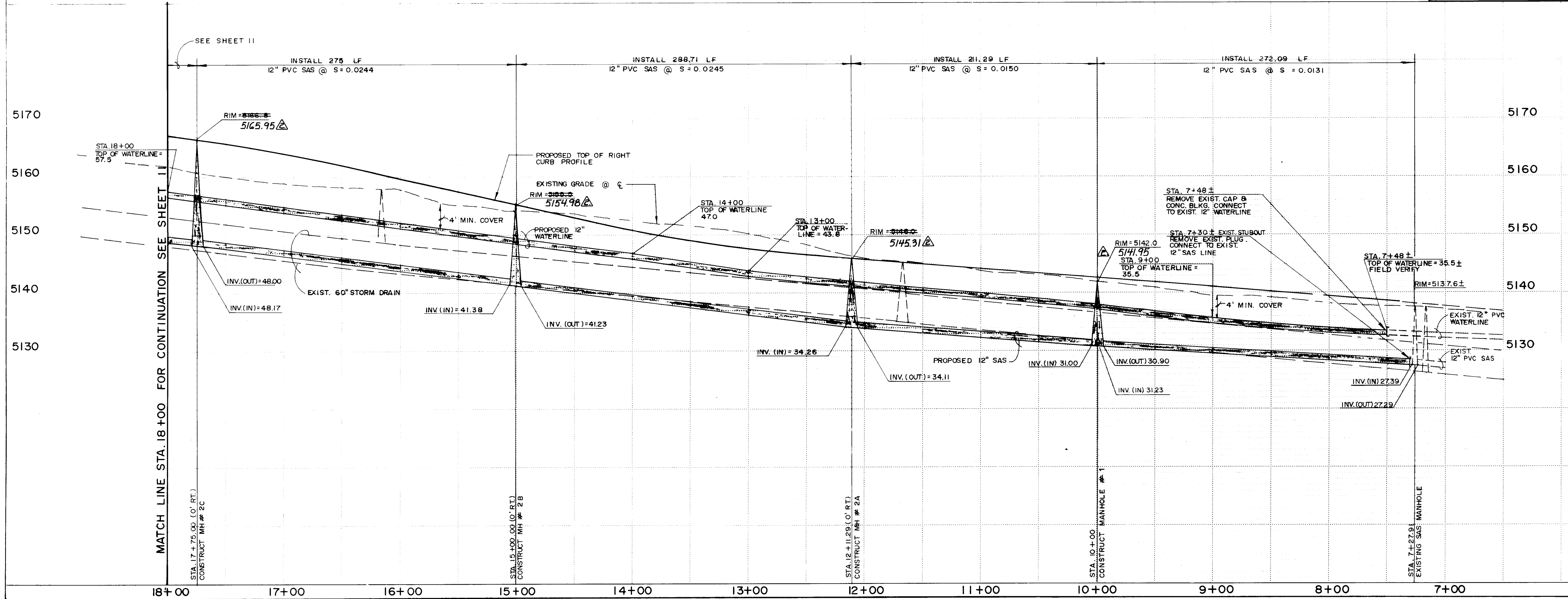
DESIGNED BY J.C.M. DATE 7-87
DRAWN BY H.P.C.V.M. DATE 7-87
CHECKED BY J.C.M. DATE 7-87



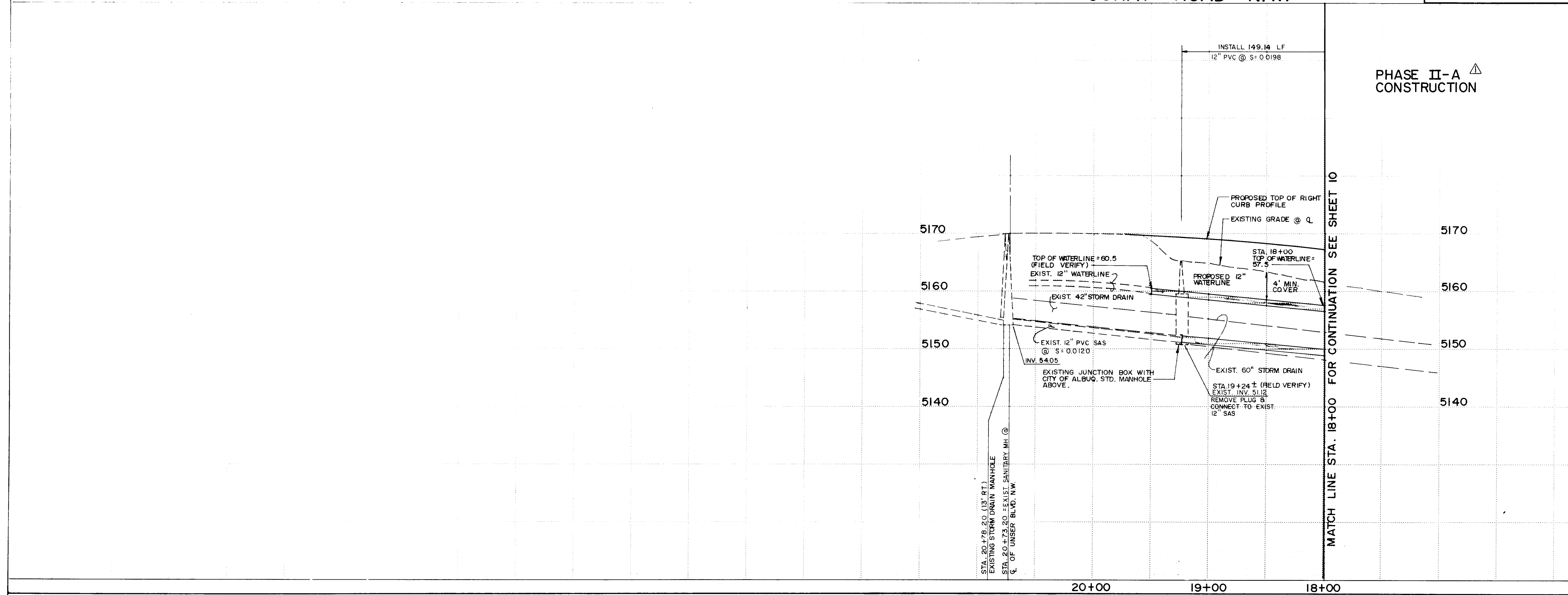
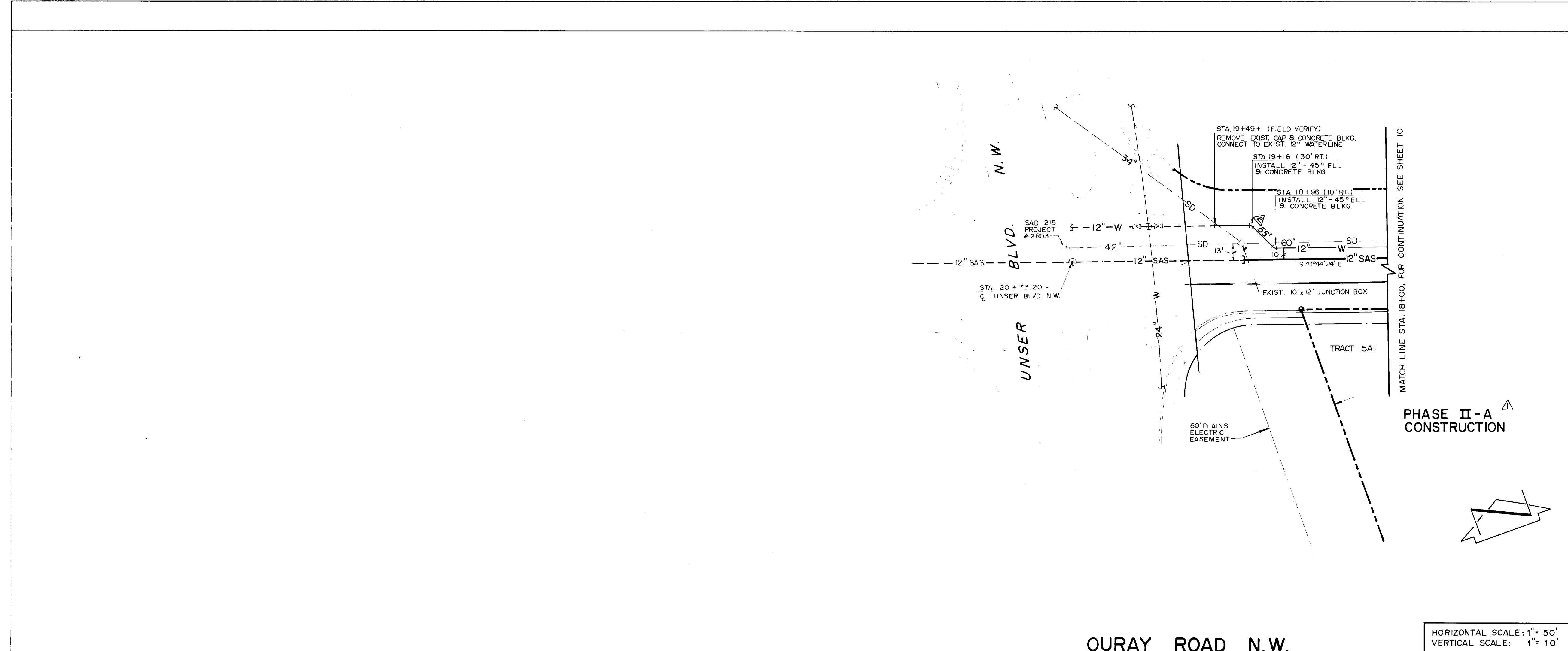
SPECIAL MANHOLE DETAIL
NOT TO SCALE

OURAY ROAD N.W.

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		CITY OF ALBUQUERQUE	
DATE	BY	NO	FIELD NOTES	NO	BY	NO	BY	NO	DATE	DATE	DATE	NO	DATE
10/18/87	J.G.M.	10	10/18/87	10	J.G.M.	10	J.G.M.	10	10/18/87	10/18/87	10/18/87	10	10/18/87
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP													
TITLE: WATER & SANITARY SEWER EXTENSIONS STA. 7+39.97 TO STA. 18+00 OURAY ROAD N.W.													
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE								
D.R.C. Chair	10/18/87	10/18/87	Liquid Waste	10/18/87	10/18/87								
Design	10/18/87	10/18/87	Traffic	10/18/87	10/18/87								
Hydrology	10/18/87	10/18/87	Water	10/18/87	10/18/87								
DRAWING NO. 3324 MAP NO. G/H-10 SHEET 10 OF 14													



SANITARY SEWER SYSTEM

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
- ALL SEWER PIPE SHALL BE PVC (SDR 35) OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 6).
- SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
- ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE 'E' AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.
- SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. EMD SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- VITRIFIED CLAY AND DUCTILE IRON ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.

WATER DISTRIBUTION SYSTEM

- ALL STATIONING IS BASED ON STREET CENTERLINE.
- WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 12).
- WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (TOP OF CURB TO TOP OF PIPE).
- WATER LINE SHALL BE LOCATED 10'0" NORTH AND WEST OF AND PARALLEL TO STREET CENTERLINE UNLESS OTHERWISE NOTED.
- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.

AS BUILT INFORMATION

DATE: 10/11/87
BY: J.M. NEPHIN
PROJECT: 3324
SHEET: 11 OF 14

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED '6-GIO 1981, SET 0.1 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF COORS RD. & I-40, GO NORTH ON COORS 0.2 MILES TO OURAY RD. TO THE INTERSECTION OF RONDA DE LECHUSAS & A DRAINAGE CHANNEL. TURN RT., GO EAST ALONG THE SOUTH SIDE OF THE CHANNEL 700 FT. TO THE STATION. ELEVATION = 5111.87 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES: NO
DATE: 10/11/87
BY: J.M. NEPHIN

ENGINEER'S SEAL

TERESA G. MOFFITT
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
8547
10-26-87

REVISIONS

NO	DATE	REMARKS
1	10/11/87	Revised from as-built information

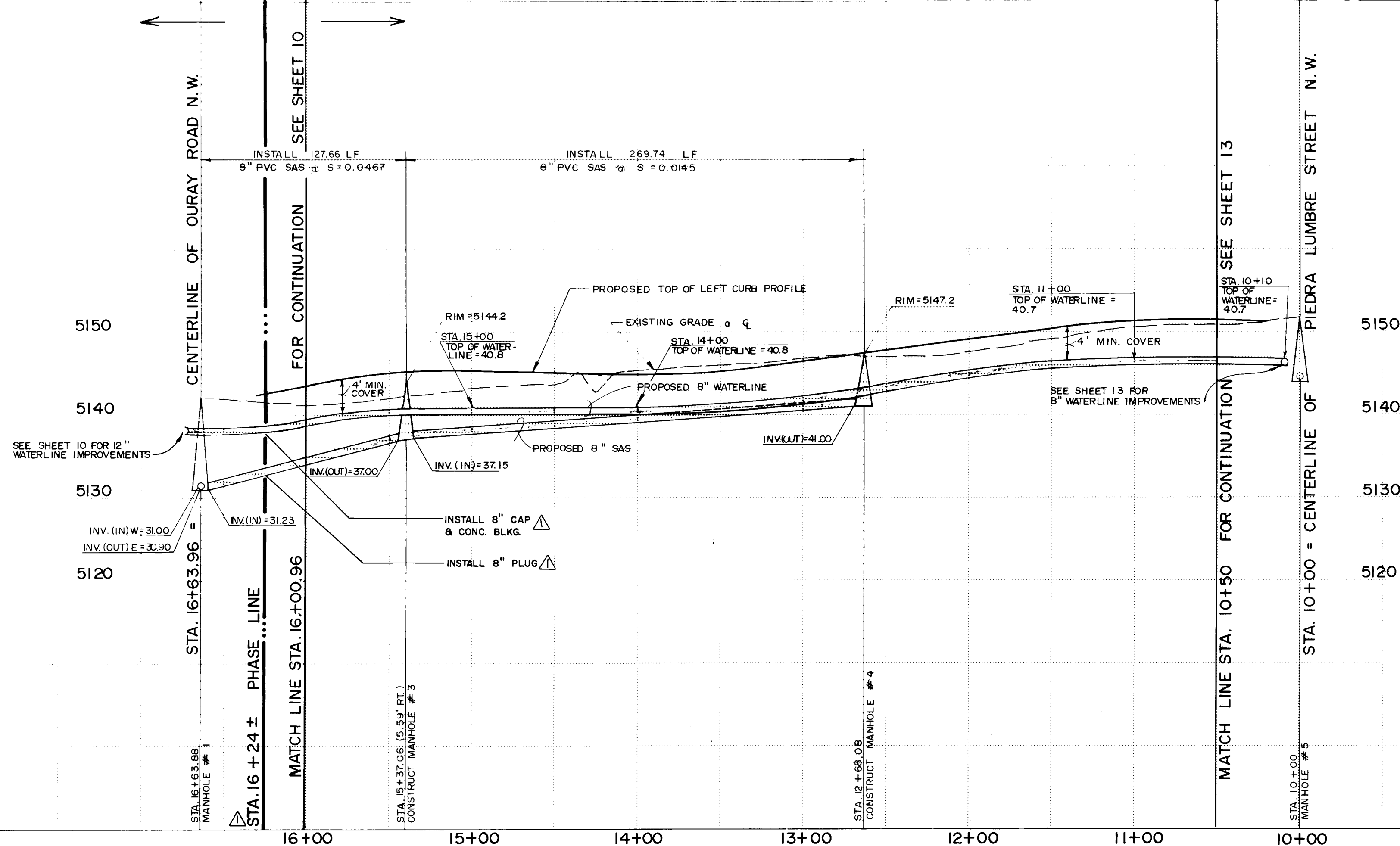
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: WATER & SANITARY SEWER EXTENSIONS
STA. 18+00 TO STA. 20+73.20
OURAY ROAD N.W.**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	J.M. NEPHIN	9/11/87	Liquid Waste	REDO	9/18/87
Design	J.M. NEPHIN	9/11/87	Traffic	REDO	9/20/87
Hydrology	C.A.M.	8-26-87	Water	REDO	9/18/87

DRAWING NO. 3324 MAP NO. G/H-10 SHEET 11 OF 14

PHASE II - A PHASE II - B VULCAN STREET N.W.



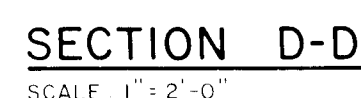
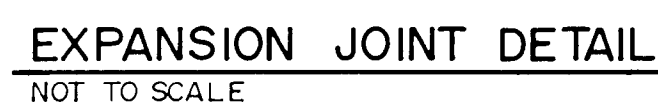
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'

- SANITARY SEWER SYSTEM**
1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
 2. ALL SEWER PIPE SHALL BE PVC (SDR 35) OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 6.)
 3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
 4. ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE 'E' AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.
 5. SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. END SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
 6. VITRIFIED CLAY AND DUCTILE IRON ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.
- WATER DISTRIBUTION SYSTEM**
7. ALL STATIONING IS BASED ON STREET CENTERLINE.
 8. WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER (SEE NOTE 12).
 9. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (TOP OF CURB TO TOP OF PIPE).
 10. WATER LINE SHALL BE LOCATED 10'0" FROM AND PARALLEL TO STREET CENTERLINE UNLESS OTHERWISE NOTED.
 11. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
 12. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.

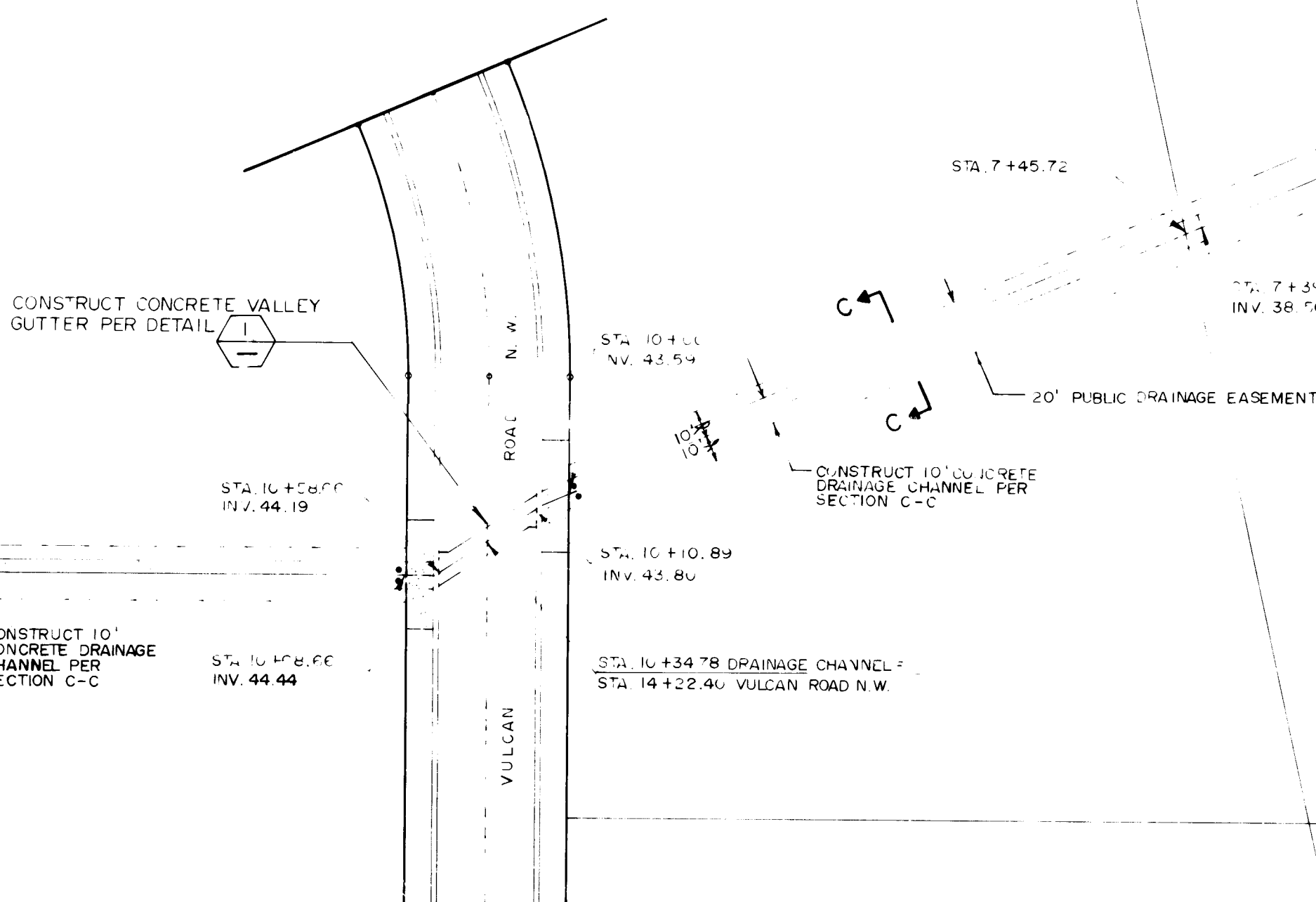
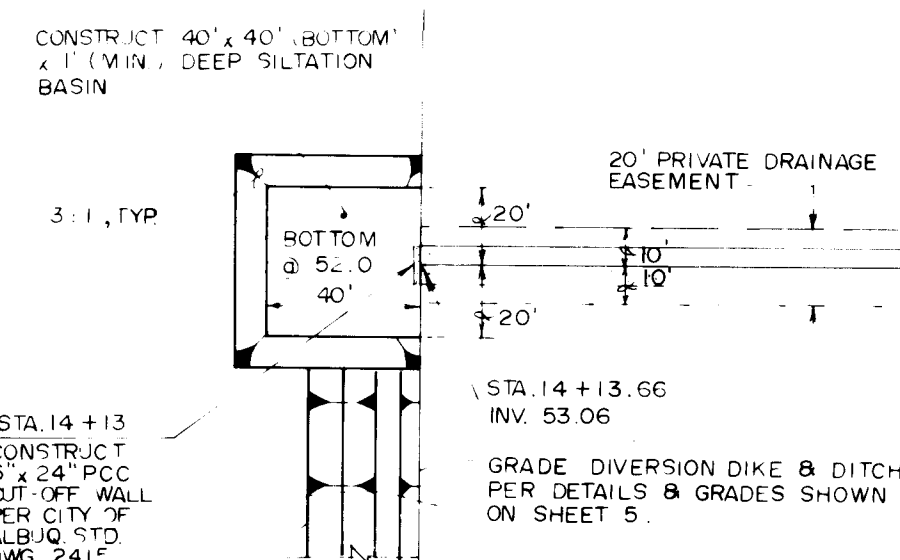
AS BUILT INFORMATION	
DATE	BY
NO	FIELD NOTES

SCHEDULE OF SERVICES			
2" Water Service		4" Sewer Service	
Lot #	Station	Station	Inv. @ P.L.
13	15+60	---	---
14	14+00	14+20	41.0
15	12+45	13+00	42.5
16	11+09	---	---
17	15+50	15+75	38.0
18	13+48	13+89	41.0
19	12+16	12+68	42.0
20	10+96	---	---

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: WATER & SANITARY SEWER EXTENSIONS STA. 10+00 TO STA. 16+63.96 VULCAN STREET N.W.			
APPROVALS	ENGINEER	DATE	ENGINEER
D.R.C. Chair	<i>[Signature]</i>	9/10/87	<i>[Signature]</i>
Design	" "	" "	" "
Hydrology	" "	" "	" "

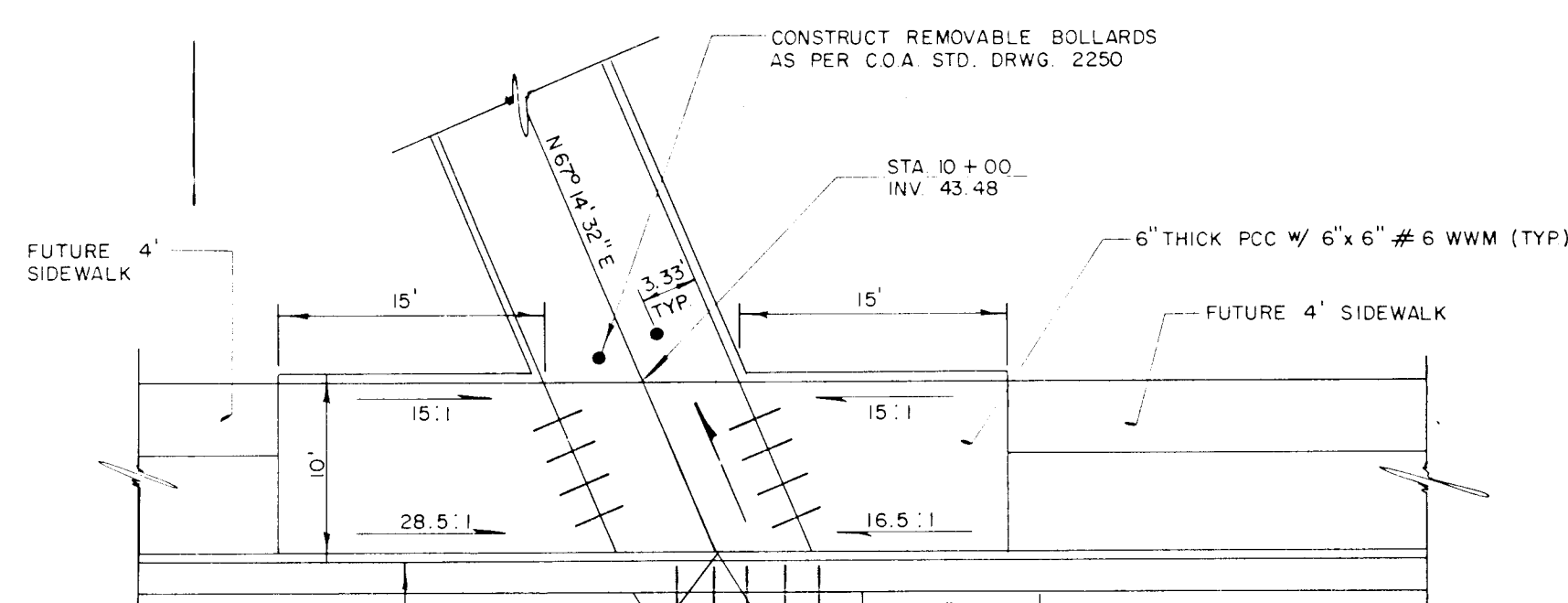


CONSTRUCT
x 1' (MIN)
BASIN



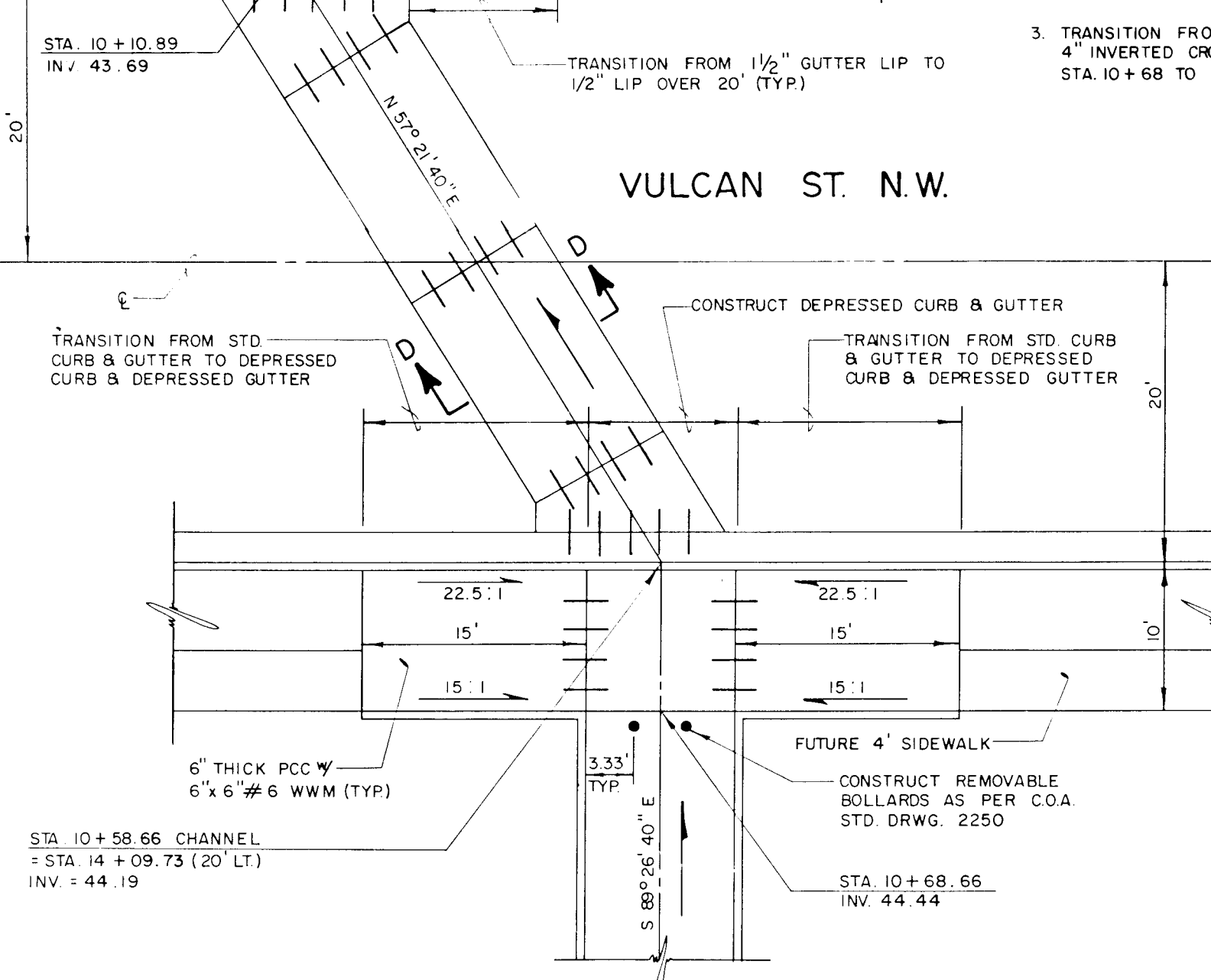
DRAINAGE CHANNEL

PHASE II-B CONSTRUCTION; NOT
PART OF THIS CONTRACT —
FOR INFORMATION ONLY

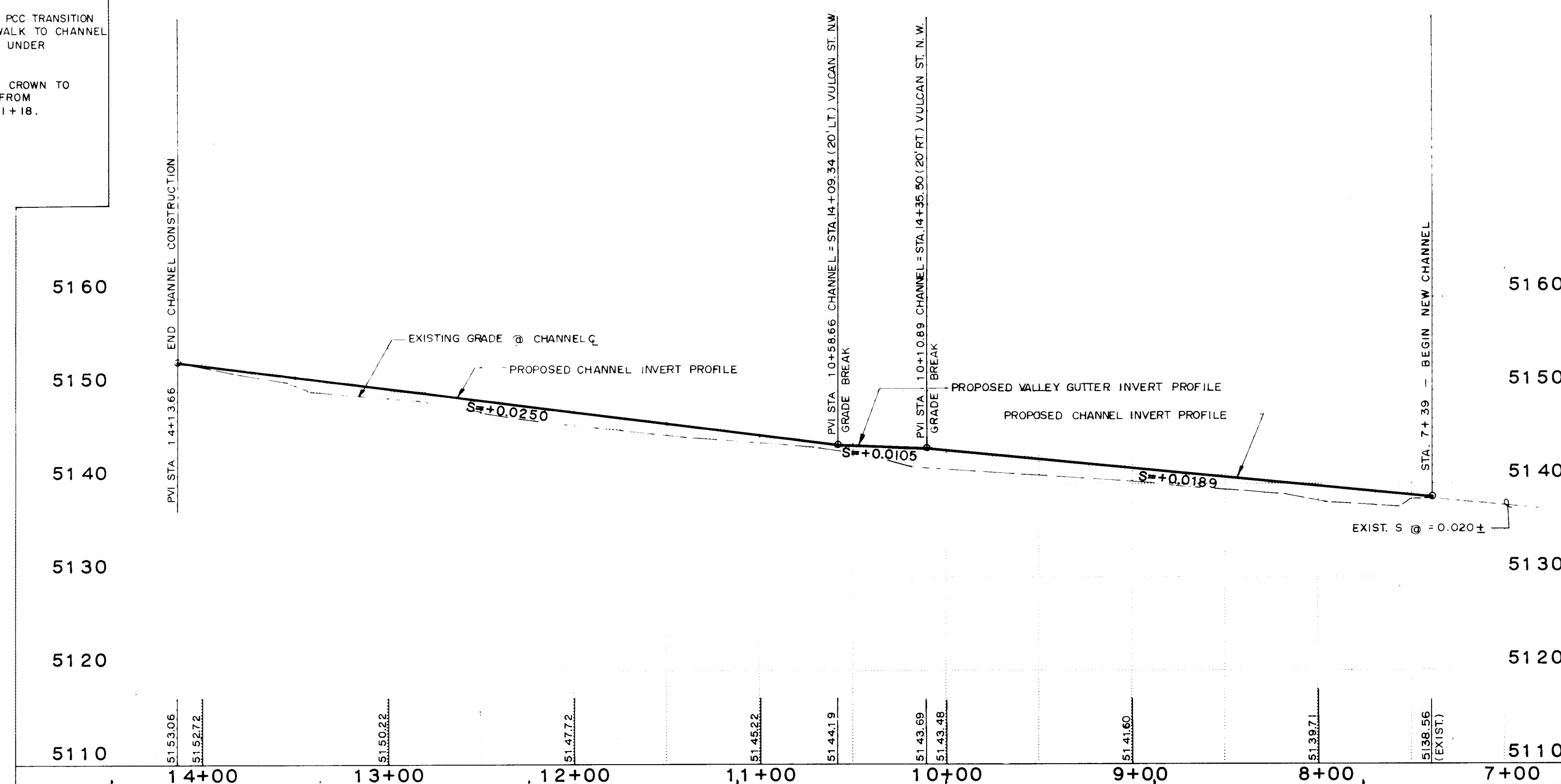


NOTES:

1. TRANSITION CHANNEL FROM 4" INVERTED CROWN TO NO CROWN FROM STA. 9+50 TO STA. 10+00.
2. CONSTRUCTION OF 6" PCC TRANSITION FROM FUTURE SIDEWALK TO CHANNEL SHALL BE PAID FOR UNDER ITEM # K-51.
3. TRANSITION FROM NO CROWN TO 4" INVERTED CROWN FROM STA. 10+68 TO STA. 11+18.



DETAIL



NOTES:

1. SLOPES SHALL NOT EXCEED 3:1, UNLESS INDICATED OTHERWISE.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATING OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. 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.
5. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
6. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERE TO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN ORDER TO AVOID THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITY LINES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

7. COMPACTION SHALL BE AS SPECIFIED HEREON.
8. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
9. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
10. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

NOTE : GRADING IS NOT A
PART OF THIS WORK ORDER.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: VOLCANO BUSINESS PARK - PHASE II-A
DRAINAGE CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	2/11/87	Liquid Waste	<i>[Signature]</i>	9/18/87
Design	" "	" "	Traffic	<i>[Signature]</i>	8/25/87
Hydrology	CAM	2-24-87	Water	<i>[Signature]</i>	9/18/87

DRAWING NO.	3324	MAP NO.	G/H-10	SHEET	14	OF	14
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T.M.A. # 61582