WATER & SANITARY SEWER REPLACEMENT IV

8" SANITARY SEWER-MANCHESTER DRIVE N.W.
8" SANITARY SEWER-MONTANO ROAD N.W.
6" WATERMAIN-MONTANO ROAD N.W.
8" SANITARY SEWER-ORO VISTA ROAD N.W.
6" WATERMAIN-ANDERSON AVENUE S.E.
8" SANITARY SEWER-ANDERSON AVENUE S.E.
6" WATERMAIN-SMITH AVENUE S.E.
8" SANITARY SEWER-SMITH AVENUE S.E.
6" WATERMAIN-RIDGECREST DRIVE S.E.
8", 10" SANITARY SEWER-RIDGECREST DRIVE S.E.

LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	TITLE
1	WRD 83.07.01	TITLE SHEET, LEGEND, INDEX, & GEN. NOTES
2	WRD 83.07.02	PROJECT LOCATION MAPS
3	WRD 83.07.03	MANCHESTER DRIVE
4	WRD 83.07.04	MANCHESTER DRIVE
5	WRD 83.07.05	MONTANO ROAD
6	WRD 83.07.06	MONTANO ROAD
7	WRD 83.07.07	ORO VISTA ROAD
8	WRD 83.07.08	ORO VISTA ROAD
9	WRD 83.07.09	ANDERSON AVENUE
10	WRD 83.07.10	ANDERSON AVENUE
11	WRD 83.07.11	SMITH AVENUE
12	WRD 83.07.12	SMITH & RIDGECREST DR.
13	WRD 83.07.13	RIDGECREST DRIVE
14	WRD 83.07.14	RIDGECREST DRIVE
15	WRD 83.07.15	RIDGECREST DRIVE
16	WRD 83.07.16	RIDGECREST DRIVE
17	WRD 83.07.17	TRAFFIC CONTROL
18	WRD 83.07.18	TRAFFIC CONTROL

LEGEND

- W.L. — PROPOSED WATER LINE
- SAS — PROPOSED SEWER LINE
- PROPOSED GATE VALVE (WATER)
- PROPOSED FIRE HYDRANT
- PROPOSED TEE
- PROPOSED SANITARY MANHOLE
- —W— EXISTING WATER LINE & VALVE
- —SAS— EXISTING SEWER LINE & MANHOLE
- —SD— EXISTING STORM DRAIN & MANHOLE
- —G— GAS MAIN
- —UT— UNDERGOUND TELEPHONE
- TELEPHONE MANHOLE
- UTILITY POLE
- EXISTING TEE (WATER)
- EXISTING CURB & GUTTER WITH STORM INLET
- EXISTING BUILDING
- EXISTING WATER METER
- METER BOX REHABILITATION
- RELOCATE BOX & PLATE
- REPLACE EXISTING SERVICE LINE/OR INSTALL NEW SERVICE LINE
- REPLACE EXISTING SERVICE LINE ONLY
- INSTALL DOUBLE BOX & PLATE

GENERAL NOTES

1. THE LOCATION OF ALL EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FINAL UTILITY LOCATION DETERMINATION IN THE FIELD DURING CONSTRUCTION; THIS IS INCIDENTAL TO CONTRACT.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BY CALLING "BLUESTAKES" AT 765-1234 AT LEAST 48 WORKING HOURS PRIOR TO COMMENCING WORK IN ANY PART OF THE PROJECT AREA.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING IN SERVICE ALL EXISTING UTILITIES.
4. THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT-OF-WAYS TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONTRACTOR'S EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL SCHEDULE HIS TRENCHING INSTALLATION AND BACKFILL OPERATIONS SO THAT ACCESS TO ANY DRIVEWAY IS NOT DISRUPTED LONGER THAN ONE WORKING DAY.
5. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE ENGINEER TO MINIMIZE TRAFFIC DISRUPTIONS. NO CONSTRUCTION WILL BE ALLOWED ADJACENT TO PUBLIC SCHOOLS, EXCEPT DURING SCHOOL HOLIDAYS AND/OR BREAKS.
6. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIALS SHALL BE OBTAINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE, HAULING THERETO AND PROPER DISPOSAL THEREOF SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
7. THE CITY OF ALBUQUERQUE STANDARD DETAILS ARE INCLUDED IN THE SPECIFICATIONS AND MADE A PART OF THIS CONTRACT.
8. THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION AND SUPPLEMENTAL SPECIFICATIONS WILL GOVERN WORK ON THIS PROJECT. UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
9. ENDS OF ALL ABANDONED WATER LINES SHALL BE SECURED BY THE INSERTION OF A 12 INCH MORTARED PLUG, UNLESS OTHERWISE NOTED. THIS WORK SHALL BE INCIDENTAL AND NO EXTRA PAYMENT SHALL BE MADE FOR SAID WORK.
10. WHERE CONCRETE BLOCKING IS CALLED FOR, WRAP ALL BENDS, TEES, AND OTHER FITTINGS WITH POLYETHELENE.
11. WATER SYSTEMS DIVISION SHALL BE THE ONLY AUTHORIZED PERSONNEL TO OPERATE EXISTING VALVES, FIRE HYDRANTS, ETC. ALL WORK SHUTOFFS MUST BE COORDINATED WITH SAID DIVISION THREE (3) FULL WORKING DAYS PRIOR TO PROPOSED SHUTOFFS. CALL 766-7100.
12. NEW WATER LINE TO EXISTING STEEL PIPE RECONNECTION--SEE SPECIAL NOTE ON STD. DRAWING W-1-2 IN CONTRACT DOCUMENTS WHEN NEW LINE MUST REDUCE IN SIZE TO EXISTING LINE.
13. 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.
14. WATER SYSTEMS DIVISION SHALL HAVE THE AUTHORITY TO CANCEL ALL SCHEDULED SHUTOFFS.
15. 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 OTHER THAN 90 DEGREES FROM THE MAIN; PER AGREEMENT WITH THE MECHANICAL SECTION/CODE ADMINISTRATION DIVISION.
16. THE CONTRACTOR SHALL COMPLETE ALL SANITARY SEWER AND WATER WORK INTENDED FOR A STREET BEFORE MOVING ONTO ANOTHER STREET IN THE PROJECT. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ONCE ALL SANITARY SEWER AND WATER WORK HAS BEEN DONE IN A STREET, THE CONTRACTOR SHALL HAVE TWO (2) WEEKS TO LAY CURB AND GUTTER, SIDEWALK, SUBGRADE, AND BASE COURSE ONLY WITHIN THE STREET. SURFACE COURSE SHALL BE LAID ONLY AFTER SUCCESSFUL TESTING OF ALL OTHER WORK WITHIN THE STREET.
17. IF, AFTER LAYING BASE COURSE, ALL OR A PORTION OF THE WORK SHOULD FAIL TESTING AND REQUIRE EXCAVATION, THE REMOVAL AND REPLACEMENT OF THE BASE COURSE (AND ALL OTHER NECESSARY WORK TO REPAIR DEFECTIVE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS) SHALL BE AT THE CONTRACTOR'S EXPENSE.
18. THE CARE AND PROTECTION OF ALL OTHER UTILITIES, CURB AND GUTTER, SIDEWALK, AND OTHER STREET APPURTENANCES THAT ARE NOT A PART OF THE INTENDED WORK AS SHOWN ON PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF DAMAGED, LOST IN TRENCH, OR OTHERWISE HARMFULLY DISTURBED, THESE ITEMS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
19. BROKEN CONCRETE STRUCTURES AND/OR CONCRETE MASONRY UNITS TO BE REPLACED AS PART OF THE WORK SHALL BE PREPARED AND DELIVERED TO OWNER SITE LOCATIONS BY THE CONTRACTOR AS DESCRIBED WITHIN SECTION 212 OF THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
20. 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 DEEP.
21. NO EXTRA PAYMENT SHALL BE MADE FOR REMOVING EXISTING SANITARY SEWER PIPE AND MANHOLES WHEN THE REPLACEMENT MAIN LINE IS DEEPER THAN THE EXISTING LINE AND HAS THE SAME LOCATION AS THE EXISTING LINE.

ALBUQUERQUE SEAL NEW MEXICO 1706

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2 6 2 6 0 4 0 1 8 4

REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

APPROVED FOR CONSTRUCTION
W.R.D. CHIEF ENGINEER 9/6/83

APPROVED FOR CONSTRUCTION
CITY ENGINEER 9/7/83

CITY OF ALBUQUERQUE BERNALILLO COUNTY WATER RESOURCES DEPARTMENT

PROJECT NO. (WRD 83.07) ~~1559~~ 2604 NEW PROJECT # FROM M.D.D. ENG. 8-6-85

SHEET 1 OF 18

LASON 1-505-344-9404
BEST COPY AVAILABLE

SCALE : 1" = 3000'
(SCALE FOR INSERTS 1" = 1000')

SHEETS 5 & 6

SHEETS 3 & 4

SHEETS 7 & 8

SHEETS 13-16

SHEETS 11 & 12

SHEETS 9 & 10

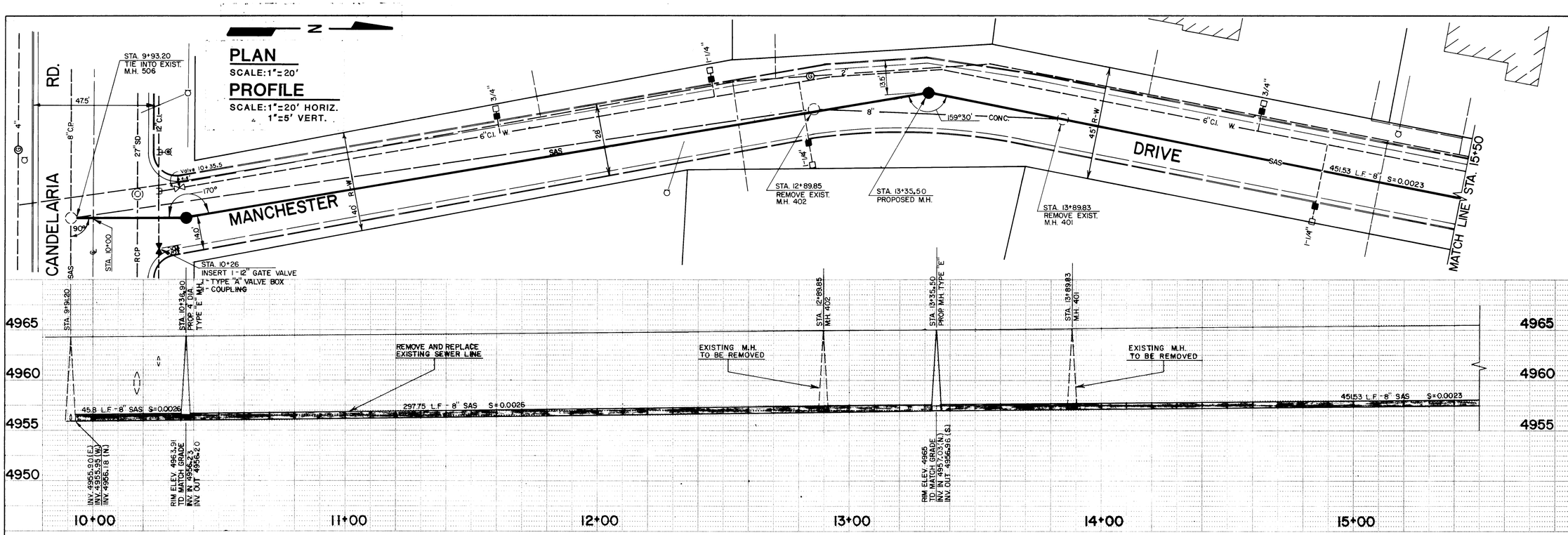
WATER RESOURCES DEPARTMENT
APPROVAL OF AS BUILT DRAWINGS
DATE 2/6/84

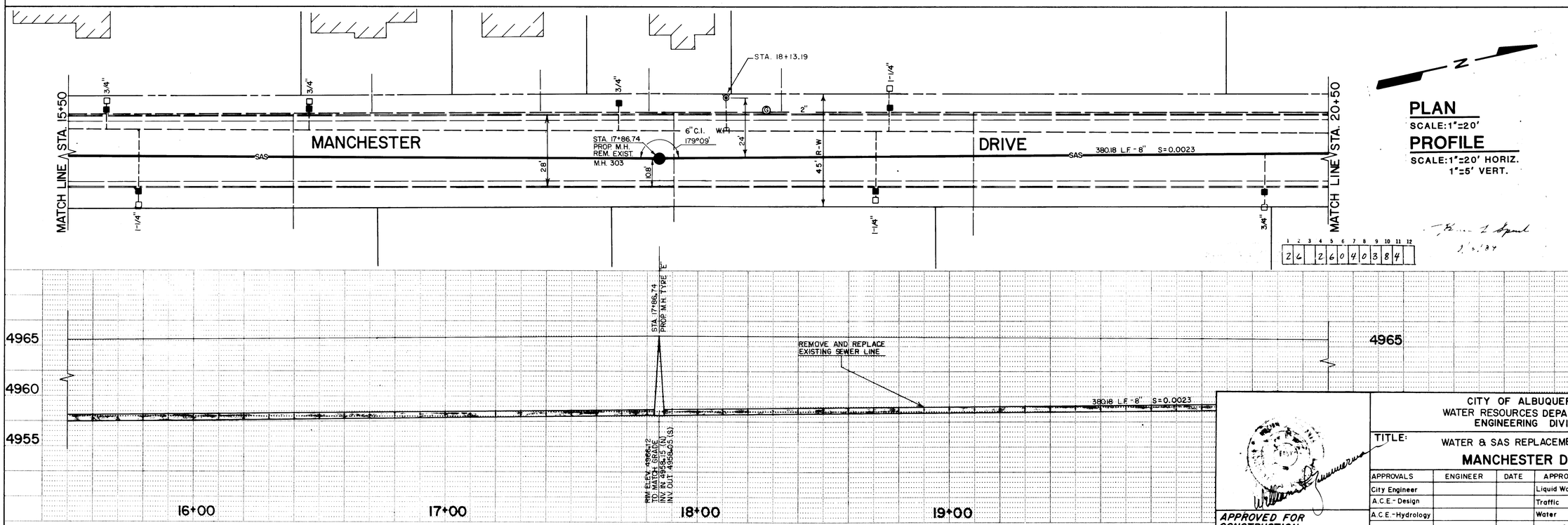
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
LOCATION MAP

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Tapmiller	8-17-83
A.C.E.- Design			Traffic	DA Dan H	8/16/83
A.C.E.-Hydrology			Water	James Tapmiller	8-17-83
			Trans. Dept. (P&P)	Dap	8-10-83

DRAWING NO. 83.07.02 ~~1550~~ 2604
MAP NO.
SHEET 2 OF 18





AS BUILT INFORMATION

CONTRACTOR KNC INC.

WORK STARTED BY KNC INC. DATE 11/83

INSPECTOR'S ACCEPTANCE BY MRD DATE 1/84

FIELD VERIFICATION BY MRD DATE 1/84

DRAWING CORRECTED BY D.F. DATE 6-7-84

MICRO-FILM INFORMATION

RECORDED BY

NO. DATE

BENCH MARKS

8-913 LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA RD. AND RIO GRANDE BLVD., N.W.

A SQUARE CHISELED ON TOP OF THE CONCRETE CURB AT THE SSW CURB RETURN. ELEV. 4968.09

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

REFERENCES

MAP NO. 613

EST. NO.

W.O. NO.

REVISIONS

NO. DATE BY REMARKS

DESIGN

DESIGNED BY T.Y. ASPERA DATE APRIL '83

DRAWN BY T.Y. ASPERA DATE APRIL '83

CHECKED BY J. TOPMILLER DATE APRIL '83

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

2 6 2 6 0 4 0 3 8 4

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

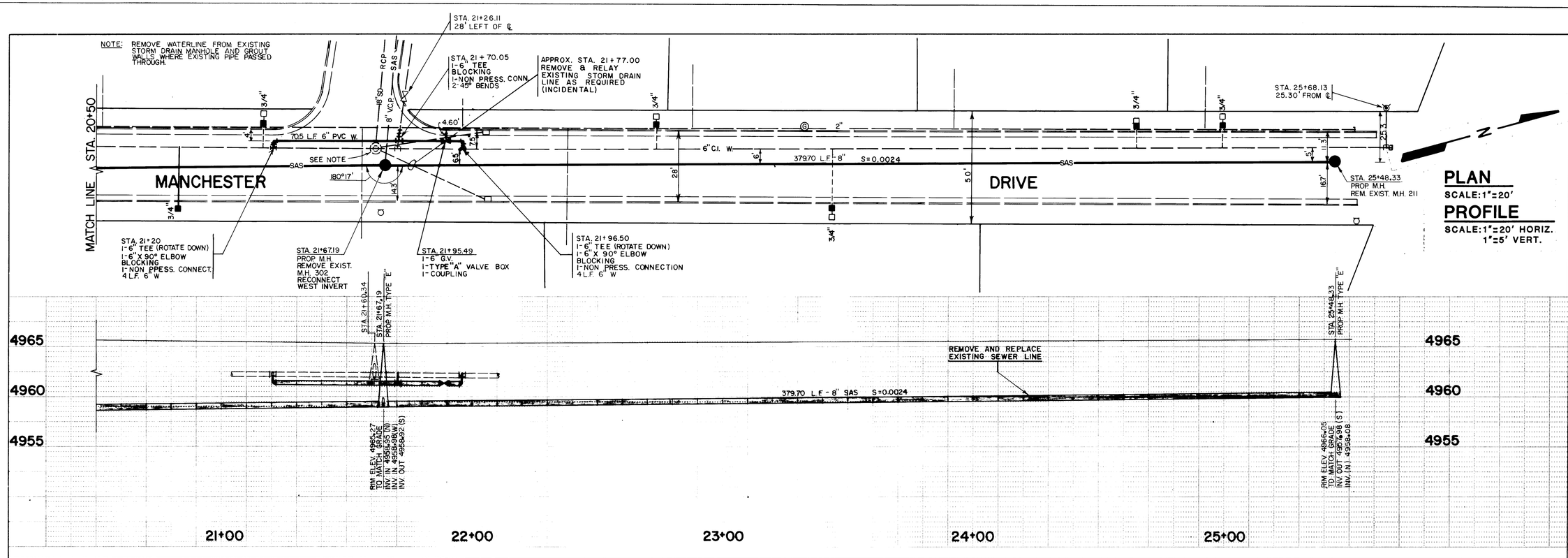
TITLE: WATER & SAS REPLACEMENT IV
MANCHESTER DR.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.- Design			Traffic	DA Duff	8/16/83
A.C.E.- Hydrology			Water	James Topmiller	8-12-83
			[illegible] (PAP)	[illegible]	8-16-83

DRAWING NO. 83.07.03

~~1559~~ 2604

SHEET 3 OF 18



AS BUILT INFORMATION

CONTRACTOR KNC INC. DATE 4/83

WORK INSPECTED BY KNC INC. DATE 4/83

ACCEPTANCE BY AHD DATE 4/84

FIELD VERIFICATION BY AHD DATE 4/84

DRAWINGS CORRECTED BY KNC DATE 6/84

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

8-613 LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA RD. AND RIO GRANDE BLVD., N.W.

A SQUARE CHISELED ON TOP OF THE CONCRETE CURB AT THE SSW CURB RETURN. ELEV. 4968.09

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

REFERENCES

MAP NO. 613

EST. NO.

W.O. NO.

NO.	REMARKS	DATE	BY

REVISIONS

DESIGN

DESIGNED BY T.Y. ASPERA DATE APRIL '83'

DRAWN BY T.Y. ASPERA DATE APRIL '83'

CHECKED BY J. TOPMILLER DATE APRIL '83'

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

2 6 2 6 0 4 0 4 8 4

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV

MANCHESTER RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.-Design			Traffic	DA DuH	8/16/83
A.C.E.-Hydrology			Water	James Topmiller	8-12-83
			Trans. Dept. (P&P)	DAF	8-10-83

APPROVED FOR CONSTRUCTION

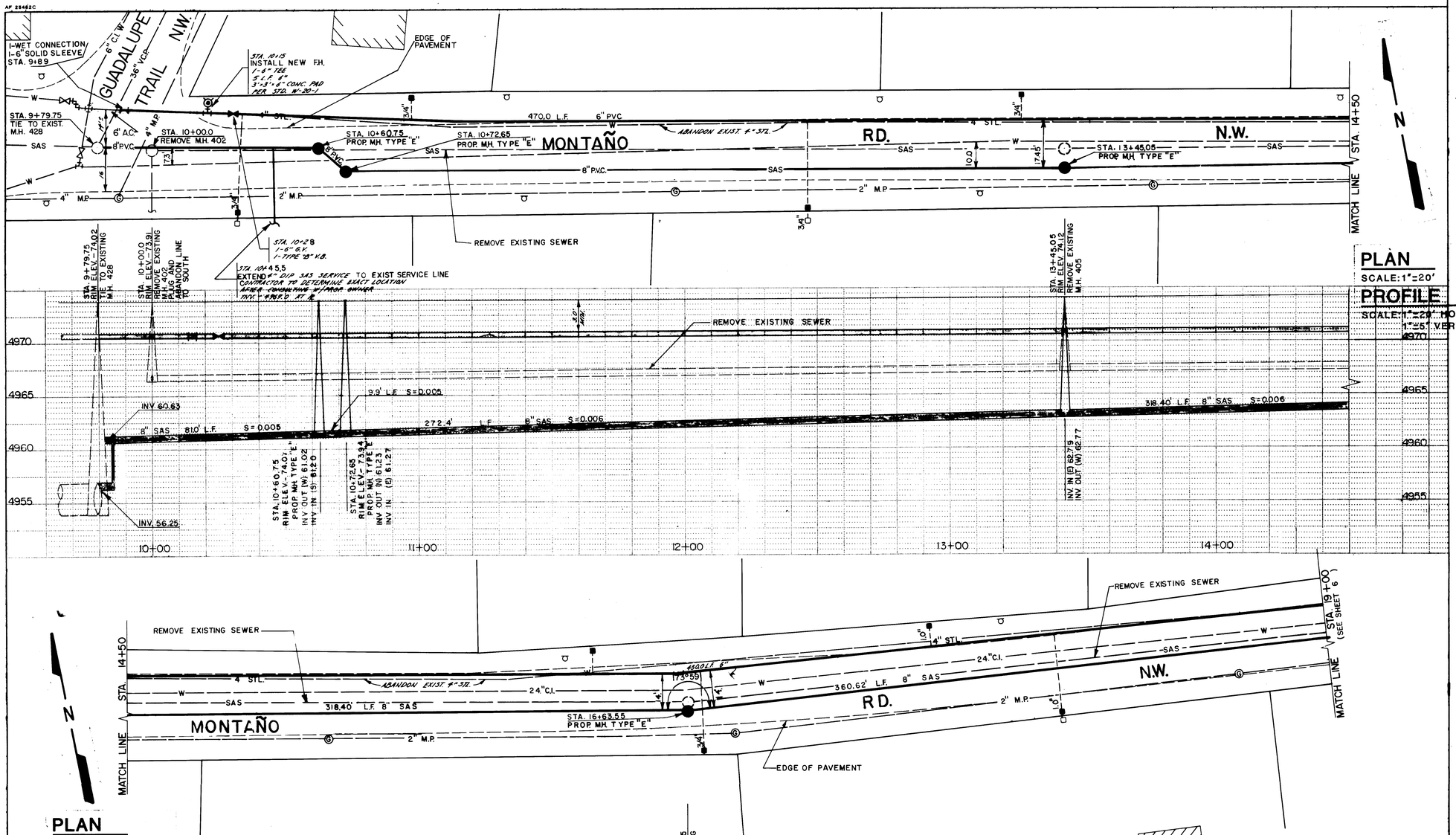
CITY ENGINEER DATE

DRAWING NO. 83.07.04

~~1559~~ 2604

SHEET 4 OF 18

AF 25462C

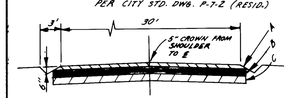


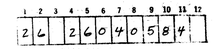
PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.

PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.





2-12-83

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BM-2-F14
LOCATED AT THE INTERSECTION OF 4TH & MONTANO
NW IN THE NE QUAD. OF THE INTERSECTION A SQUARE
☒ CHISELED ON TOP OF THE CONC. CURB AT THE
N NE CURB RETURN
ELEV. 4974.473

AS BUILT INFORMATION

CONTRACTOR KNC INC
WORK STAKED BY KNC INC. DATE 1/83
ASPECT FENCE & ELEC. INC. DATE 1/84
FIELD VERIFICATION BY HARD DATE 1/84
CORRECTED BY J.C. DATE 2/84

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO

ENGINEER'S SEAL

William J. Summerhays

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	DATE 10/82
		DESIGNED BY JT & TYA	DATE 10/82
		DRAWN BY T.Y.A.	DATE 10/82
		CHECKED BY W.F.Z.	

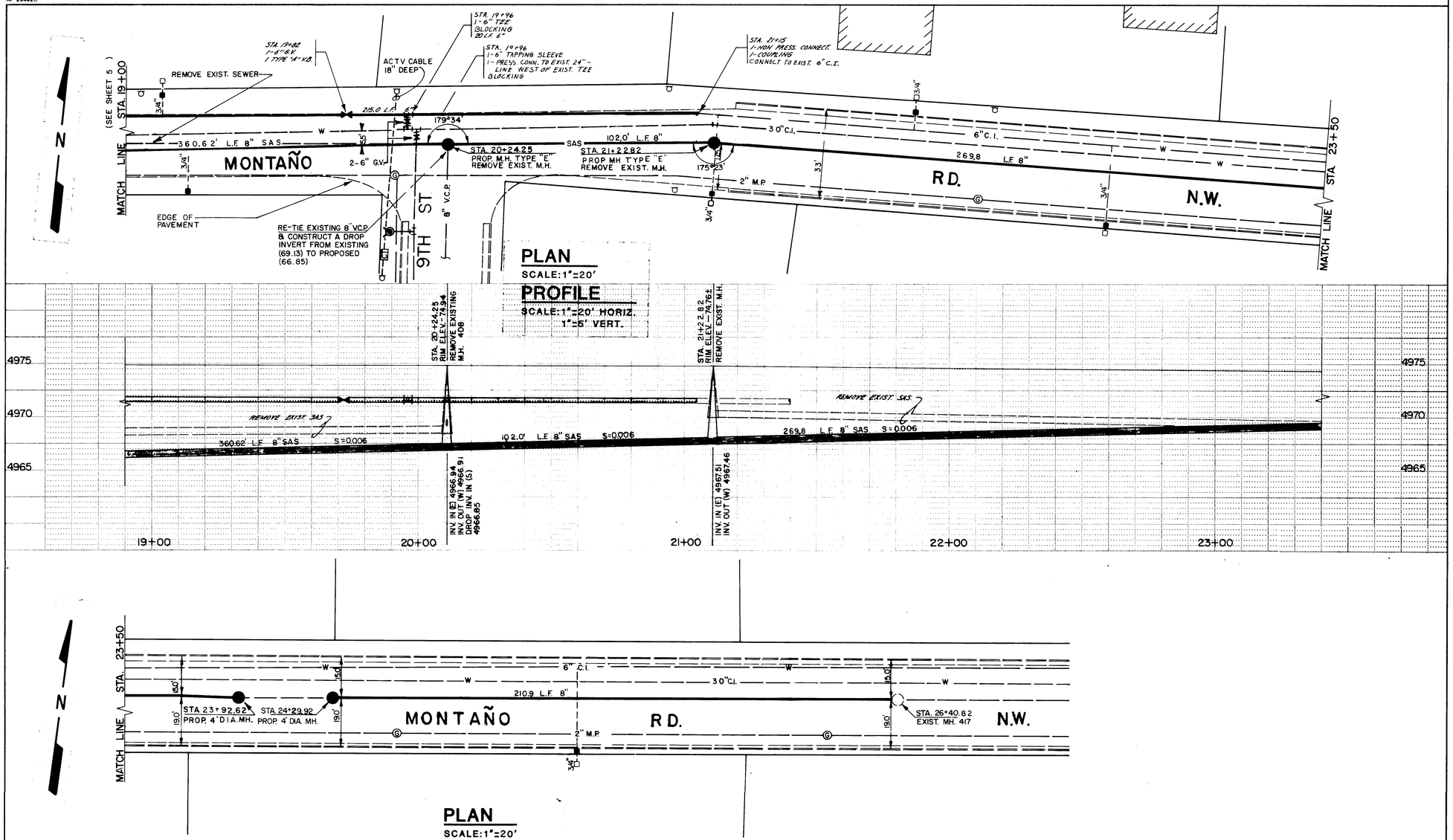
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
MONTANO RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Lasmillo	8-12-83
A.C.E.- Design			Traffic	DA Duff	8/16/83
A.C.E.-Hydrology			Water	James Lasmillo	8-12-83
			Trans. Dept. (P&D)	DAP	8-10-83

DRAWING NO. 83.07.05 ~~1559~~ 2604
MAP NO. F-14
SHEET 5 OF 18

AF 28462C

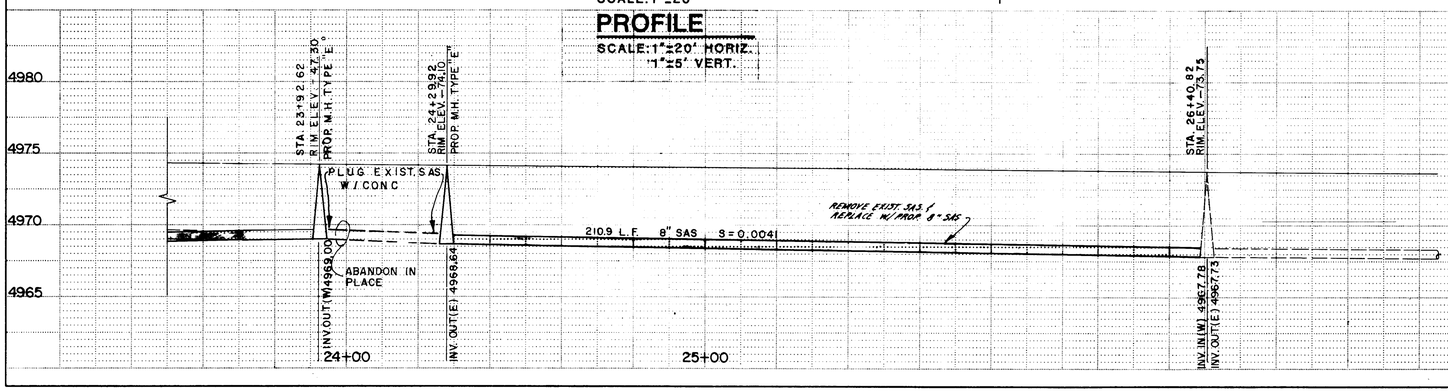


PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.

PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.



SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BM 2-F14
LOCATED AT THE INTERSECTION OF 4TH & MONTANO NW.
A SQUARE ☐, CHISELED ON TOP OF CONC. CURB AT THE
NNE CURB RETURN
ELEV. 4974.473

AS BUILT INFORMATION
CONTRACTOR KNC INC.
WORK STAKED BY KNC INC. DATE 11/82
INSPECTORS ACCEPTANCE BY WRD DATE /82
FIELD VERIFICATION BY WRD DATE /82
MARKUPS CORRECTED BY WE DATE 12/82
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
		DESIGNED BY J.T. & T.Y.A. DATE 10/82
		DRAWN BY T.Y.A. DATE 10/82
		CHECKED BY W.F.Z. DATE 10/82

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2 6 2 6 0 4 0 6 8 4

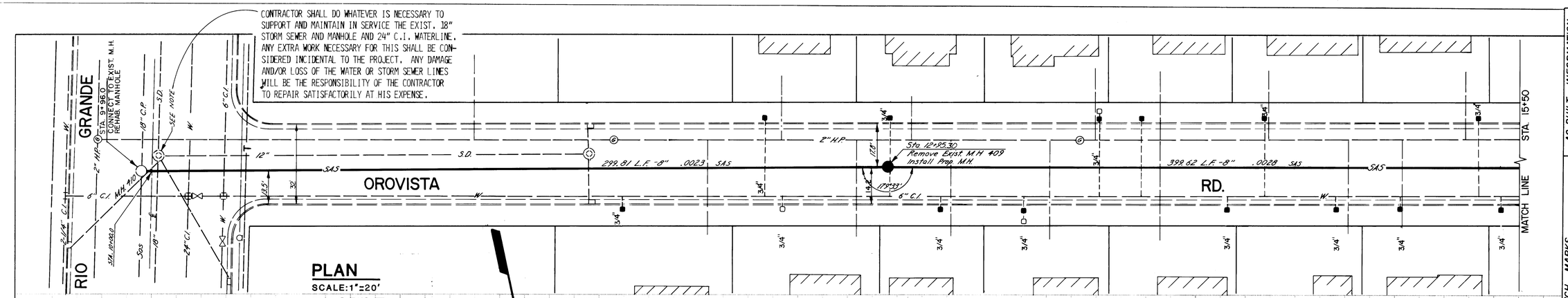
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
MONTANO RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Lamiller	8-12-83
A.C.E.-Design			Traffic	DA Duff	8/16/83
A.C.E.-Hydrology			Water	James Lamiller	8-12-83
			Trans. Dept. (MPO)	[illegible]	8-10-83

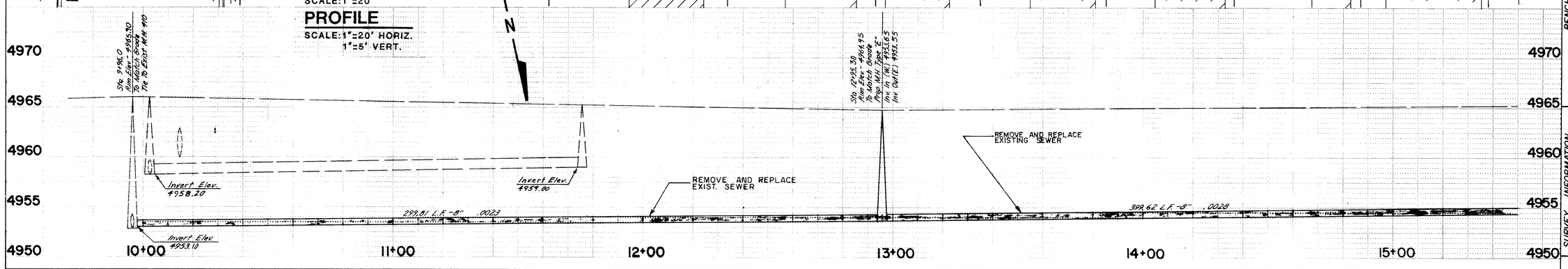
DRAWING NO. 83.07.06 ~~1559~~ 2604
MAP NO. F-14
SHEET 6 OF 18

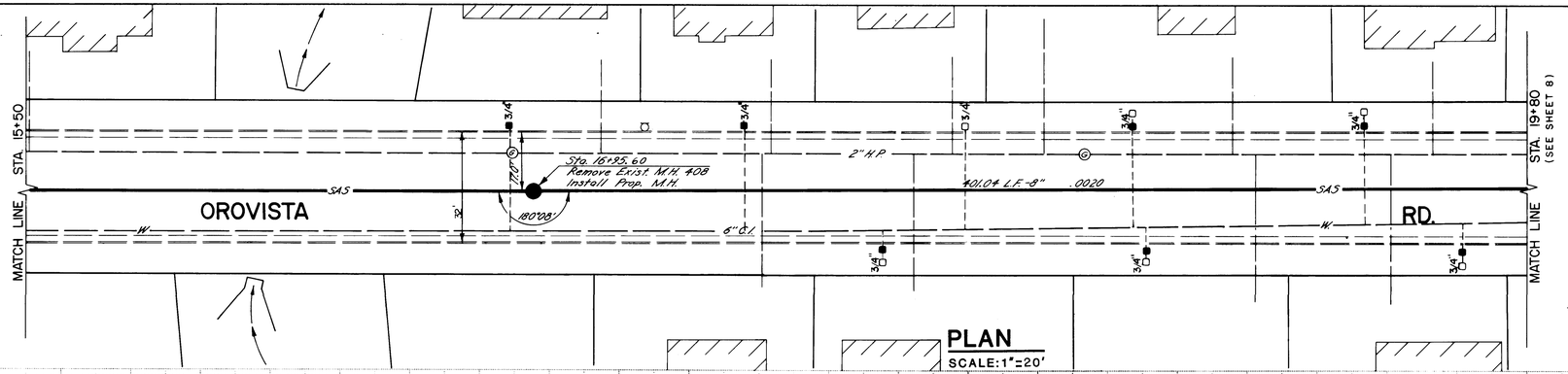
CONTRACTOR SHALL DO WHATEVER IS NECESSARY TO SUPPORT AND MAINTAIN IN SERVICE THE EXIST. 18" STORM SEWER AND MANHOLE AND 24" C.I. WATERLINE. ANY EXTRA WORK NECESSARY FOR THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. ANY DAMAGE AND/OR LOSS OF THE WATER OR STORM SEWER LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR SATISFACTORILY AT HIS EXPENSE.



PLAN
SCALE: 1"=20'

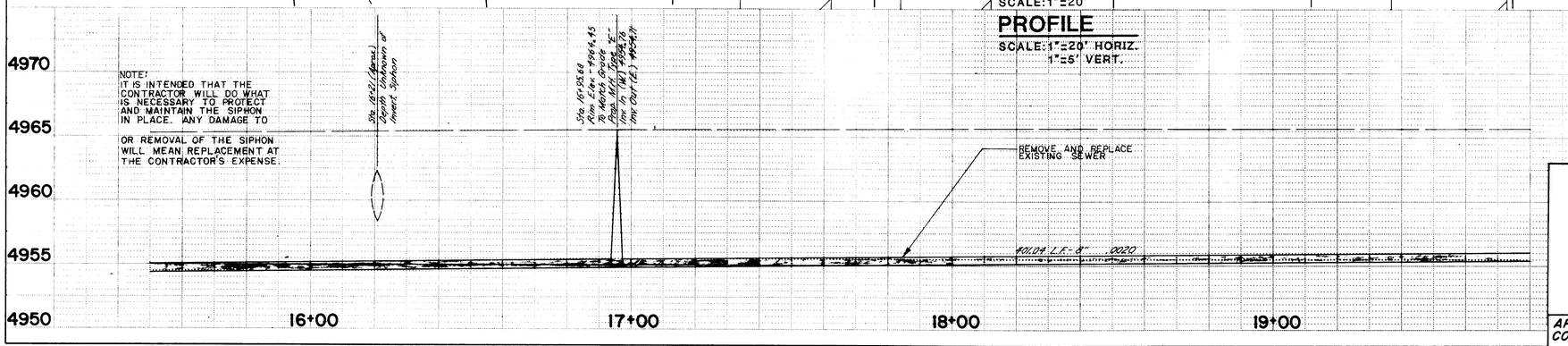
PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.





PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.



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Thomas L. Sparks
1-1-84

AS BUILT INFORMATION
CONTRACTOR KNC, INC. DATE 11/83
WORK STAKED BY KNC, INC. DATE 1/84
INSPECTORS' ACCEPTANCE BY WRD DATE 1/84
FINAL VERIFICATION BY WRD DATE 1/84
DRAWINGS CORRECTED BY MICRO-FILM DATE 7-7-84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BM 8-G13
A SQUARE ☒ CHISELED ON TOP OF CONC. CURB AT THE SSW CURB AT THE INTERSECTION OF CANDELARIA & RIO GRANDE N.W.
ELEV - 4968.09

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

REFERENCES
MAP NO.
EST. NO.
W.O. NO.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY T.Y. ASPERA	DATE APRIL 1983
		DRAWN BY T.Y. ASPERA	DATE APRIL 1983
		CHECKED BY J. TOPMILLER	DATE APRIL 1983

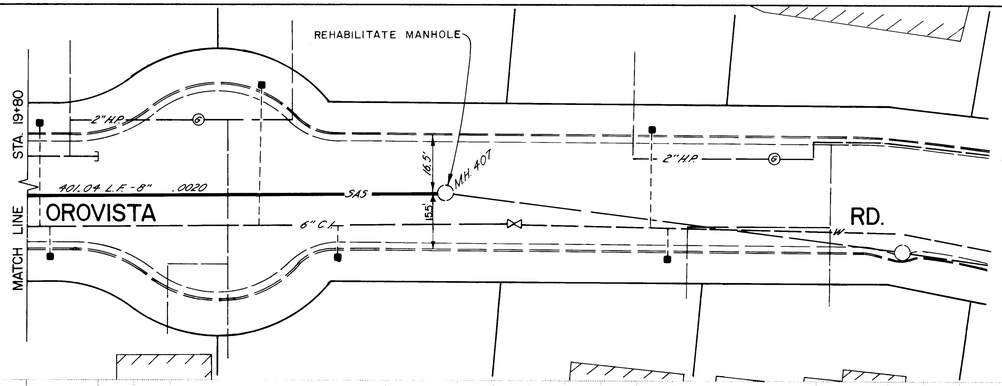
APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

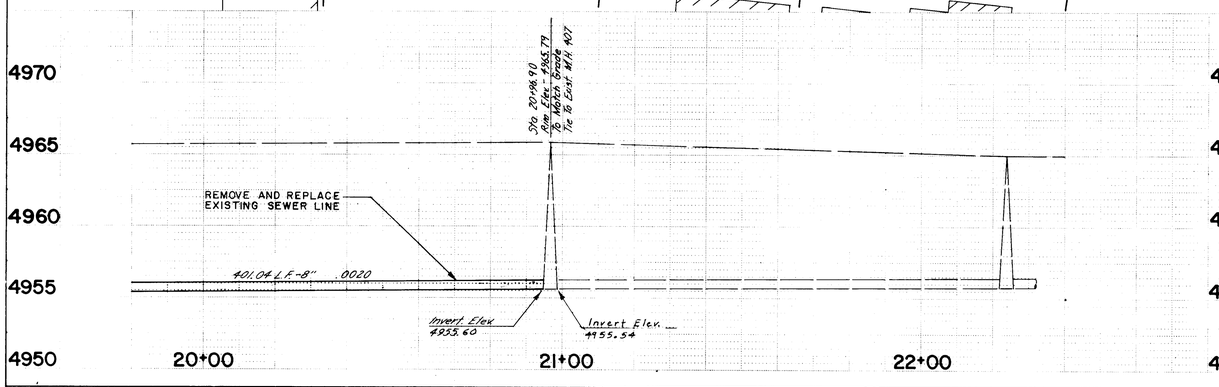
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

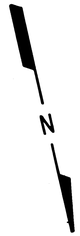
TITLE:
WATER & SAS REPLACEMENT IV
OROVISTA RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.- Design			Traffic	N/A D.W.H.	8/16/83
A.C.E.- Hydrology			Water	James Topmiller	8-12-83
			Trans. Dept.	[illegible]	8-10-83

DRAWING NO. 83.07.07 ~~559~~ 2604
MAP NO. G-13
SHEET 7 OF 18







PLAN
SCALE: 1"= 20'

PROFILE
SCALE: 1"= 20' HORIZ.
1"=5' VERT

AS BUILT INFORMATION
CONTRACTOR KNC INC. DATE 11/83
WORK STAKED BY KNC INC. DATE 11/83
INSPECTION BY ACE DATE 11/83
ACCEPTANCE BY ACE DATE 11/83
FIELD LOCATION BY ACE DATE 11/83
DRAWINGS CONNECTED BY ACE DATE 11/83
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BM G-13
A SQUARE ☐ CHISELED ON TOP OF CONC. CURB AT THE SSW CURB AT THE INTERSECTION OF CANDELARIA & RIO GRANDE N.W.
ELEV. - 4968.09

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO.
EST. NO.
W.O. NO.

REVISIONS
NO. DATE BY REMARKS

DESIGN
DESIGNED BY T.Y. ASPERA DATE APRIL 1983
DRAWN BY T.Y. ASPERA DATE APRIL 1983
CHECKED BY J. TOPMILLER DATE APRIL 1983

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

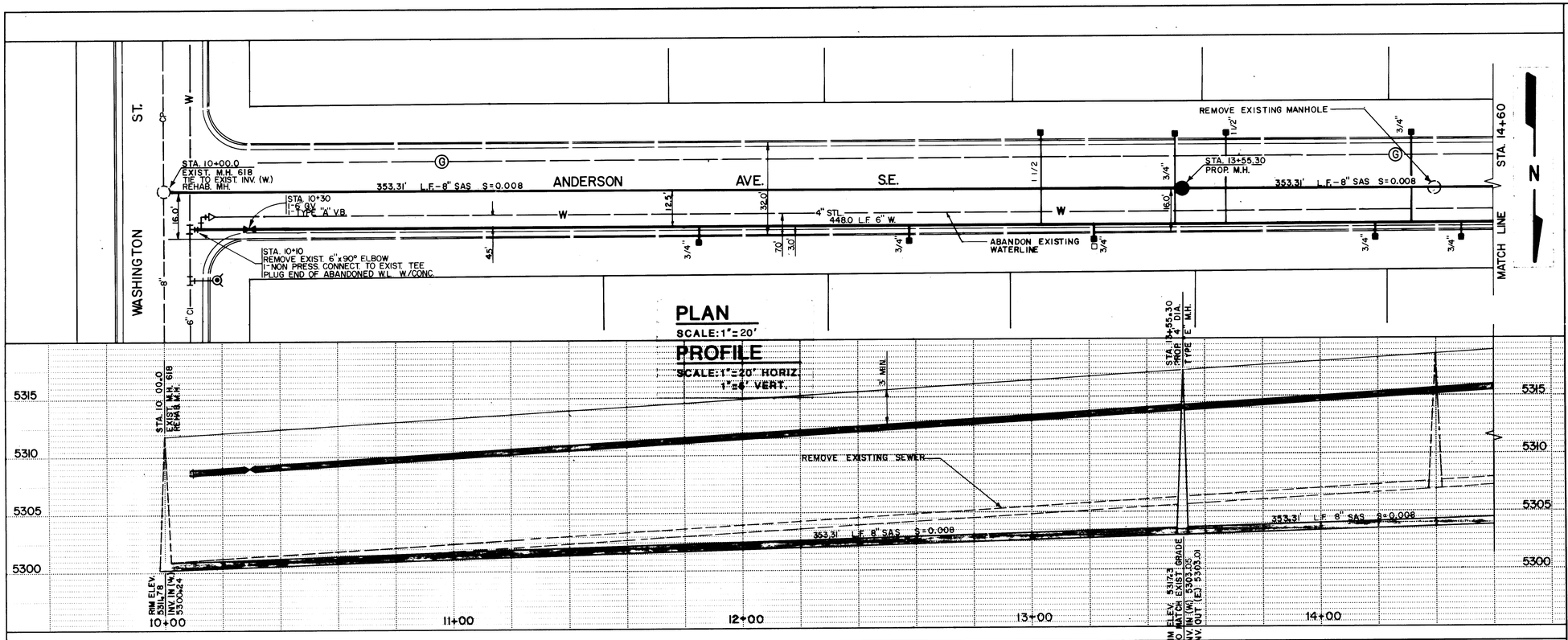
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

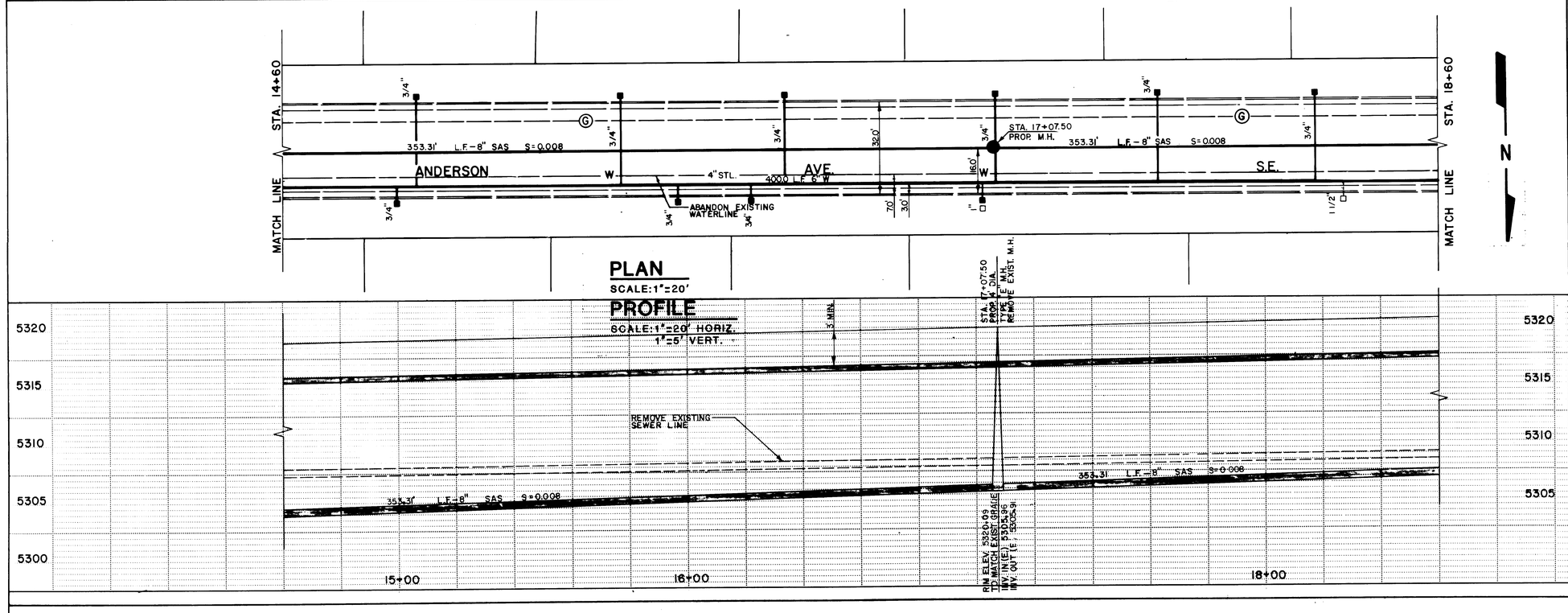
TITLE: WATER & SAS REPLACEMENT IV
OROVISTA RD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.- Design			Traffic	WADWH	8/12/83
A.C.E.- Hydrology			Water	James Topmiller	8-12-83
			Trans. Dept. (AP)	DAP	8-10-83

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

DRAWING NO. 83.07.08 ~~1559~~ 2604
MAP NO. G-13
SHEET 8 OF 18





AS BUILT INFORMATION

CONTRACTOR KNC, INC.

WORK BY KNC, INC. DATE 11/84

INSPECTOR'S FINAL ACCEPTANCE BY WEO DATE 6/84

VERIFICATION BY WEO DATE 6/84

DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

BENCH MARKS

BM 3-L17

A SQUARE ☒ CHISELED ON TOP OF CONC. CURB AT THE NNE CURB RETURN LOCATED AT THE INTERSECTION OF RIDGECREST SE AND KATHRYN SE IN THE NE QUADRANT OF THE INTERSECTION.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

William T. Cameron

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGNED BY T. Y. ASPERA	DATE APRIL 83
		DRAWN BY T. Y. ASPERA	DATE APRIL 83
		CHECKED BY J. TOMMILLER	DATE APRIL 83

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

2 6 2 6 0 4 0 9 8 4

Tom L Spurlock 7/5/84

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
ANDERSON AVE.

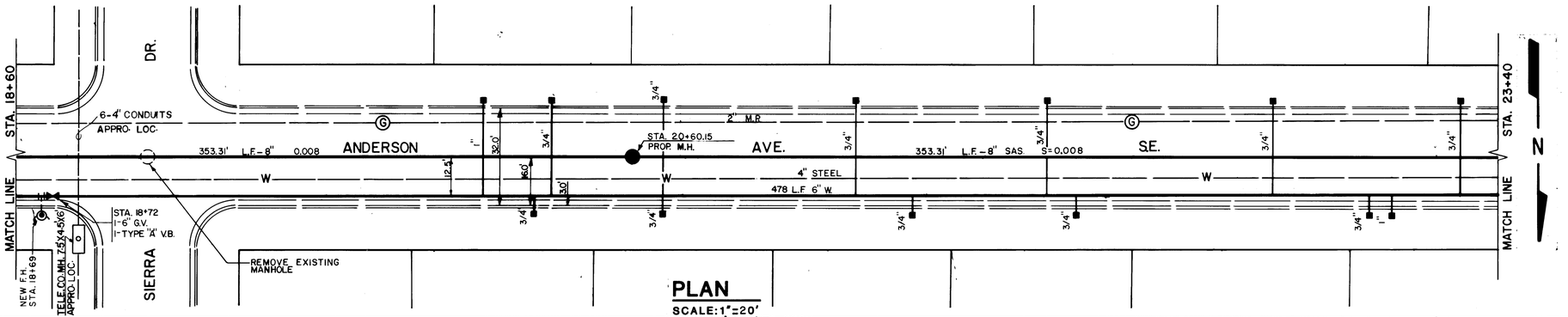
APPROVALS	ENGINEER	DATE
City Engineer		
A.C.E.-Design		
A.C.E.-Hydrology		

APPROVALS	ENGINEER	DATE
Liquid Waste	Tommy Tommiller	8-12-83
Traffic	A'A Dahl	8/16/83
Water	Tommy Tommiller	8-12-83
Trans. Dept. (P&P)	Dahl	8-10-83

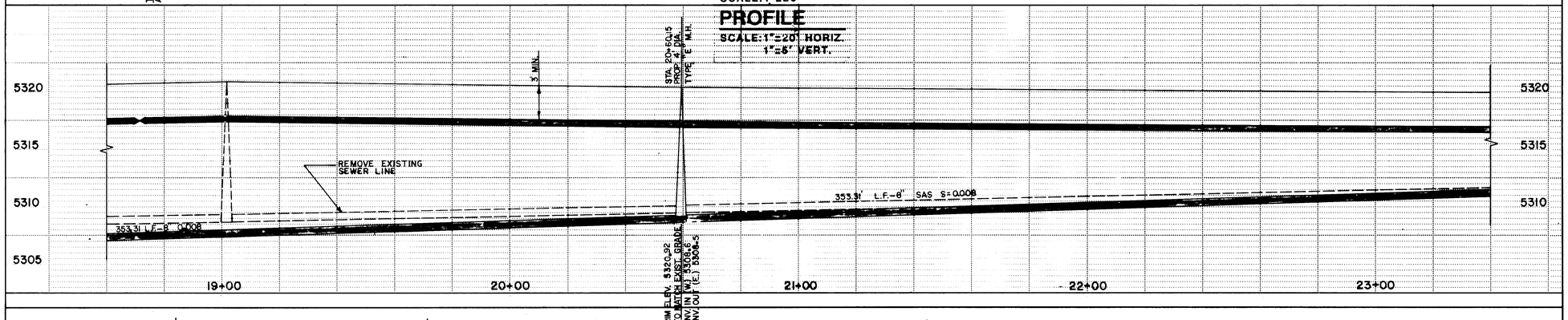
DRAWING NO. 83.07.09 ~~1559~~ 2604

MAP NO. L-17 SHEET 9 OF 18

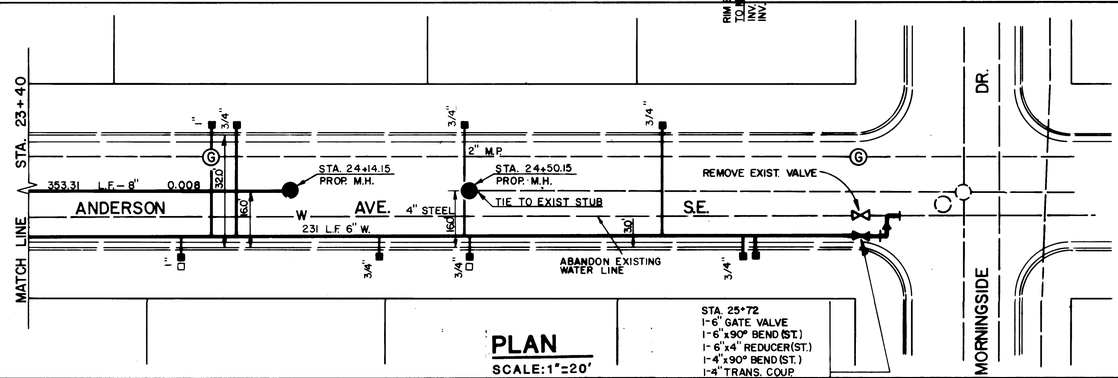
N1891



PLAN
SCALE: 1"=20'

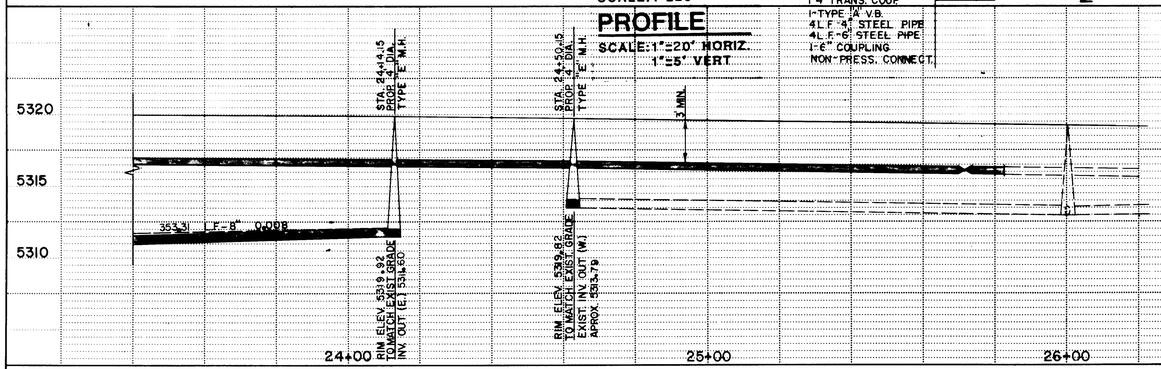


PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.



PLAN
SCALE: 1"=20'

STA. 25+72
1-6" GATE VALVE
1-6"x90° BEND (ST.)
1-6"x4" REDUCER (ST.)
1-4"x90° BEND (ST.)
1-4" TRANS. COUP
1-TYPE 'A' V.B.
4 L.F. 4" STEEL PIPE
4 L.F. 6" STEEL PIPE
1-6" COUPLING NON-PRESS. CONNECT.



PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.

AS BUILT INFORMATION

CONTRACTOR KVE INC.
WORK STAKED BY KVE INC. DATE 1/82
INSPECTOR'S ACCEPTANCE BY KVE DATE 6/82
FIELD VERIFICATION BY KVE DATE 6/82
DRAWINGS CORRECTED BY KVE DATE 10-83
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

BM 3-L17
A SQUARE ☒ CHISELED ON TOP OF CONC. CURB AT THE NNE CURB RETURN LOCATED AT THE INTERSECTION OF RIDGECREST SE AND KATHRYN SE IN THE NE QUADRANT OF THE INTERSECTION.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

William Fennema

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY T. Y. ASPERA	DATE APRIL 83
		DRAWN BY T. Y. ASPERA	DATE APRIL 83
		CHECKED BY J. TOPMILLER	DATE APRIL 83

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

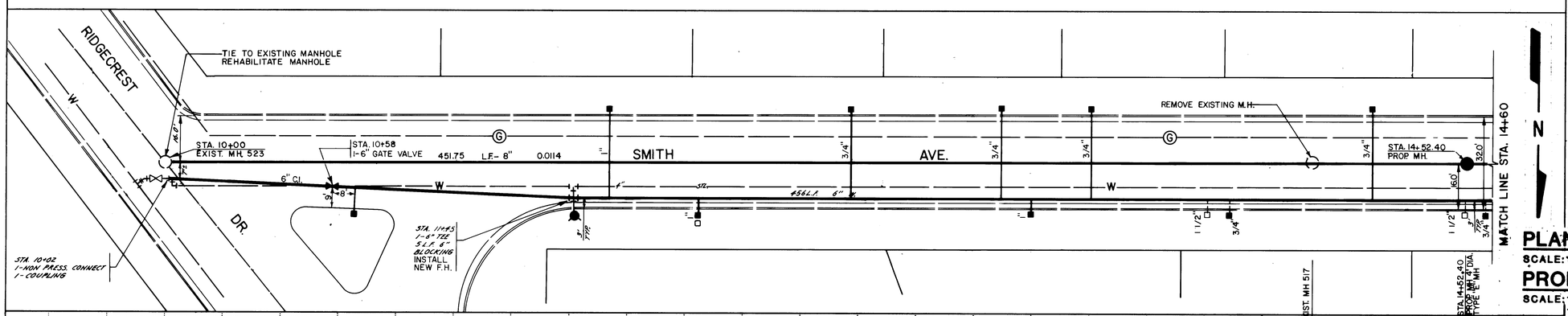
9/6/84

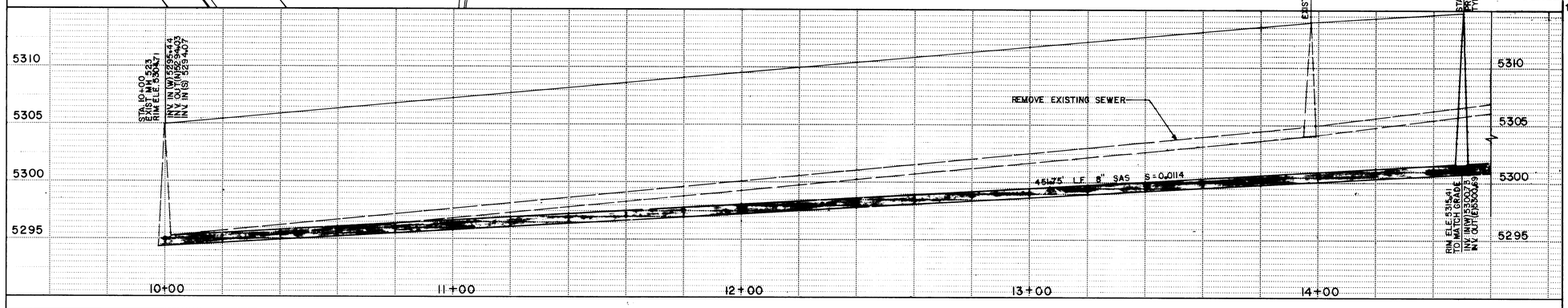
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
ANDERSON AVE.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.-Design			Traffic	N/A DwH	8/16/83
A.C.E.-Hydrology			Water	James Topmiller	8-18-83
			Trans. Dept.	[illegible]	8-10-83

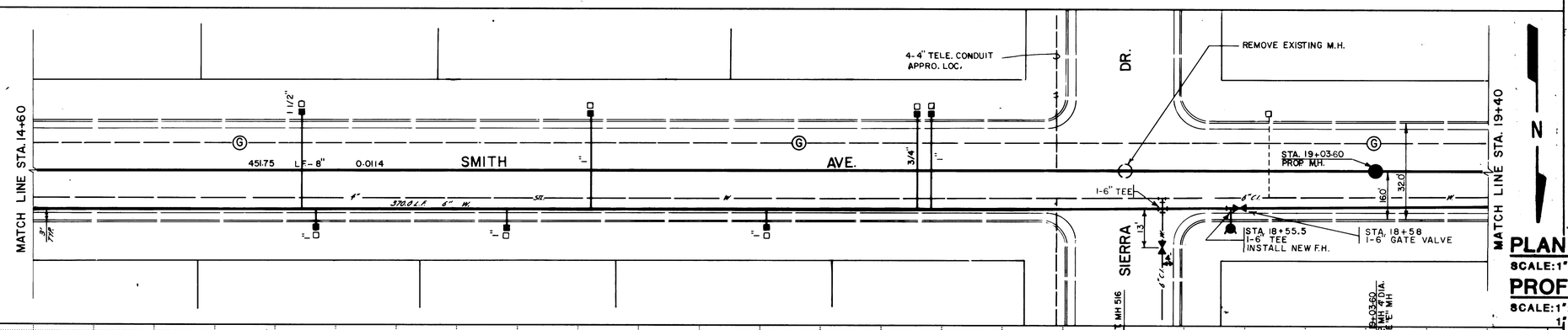
DRAWING NO. 83.07.10 ~~1559~~ 2604
MAP NO. L-17 SHEET 10 OF 18

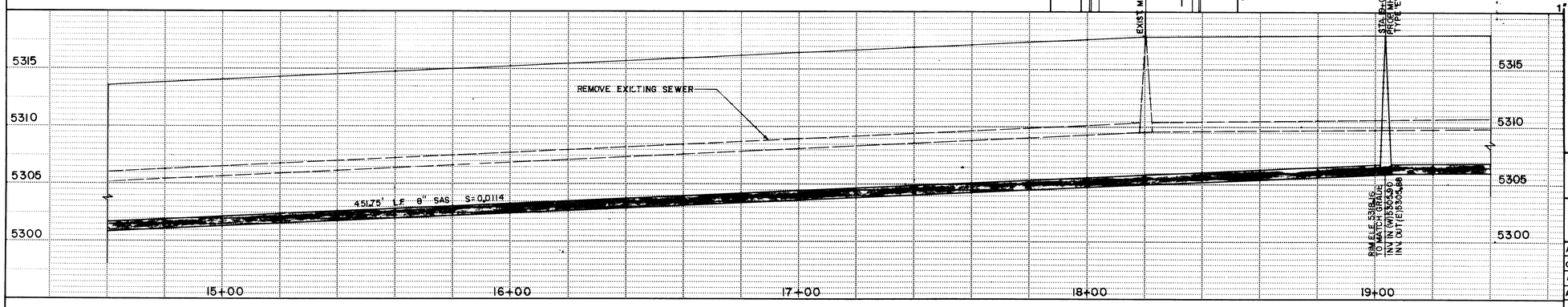




PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.





PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

A SQUARE ☑ CHISELED ON TOP OF CONCRETE CURB AT THE NNE CURB RETURN LOCATED AT THE INTERSECTION OF RIDGECREST SE AND KATHRYN SE IN THE NE QUADRANT OF THE INTERSECTION.
ELEV. AT 5306.535

AS BUILT INFORMATION

CONTRACTOR KNC, INC.
WORK PERFORMED BY KNC, INC. DATE 4/84
INSPECTION BY [illegible] DATE 4/84
ACCEPTANCE BY [illegible] DATE 4/84
FIELD VERIFICATION BY [illegible] DATE 4/84
AS-BUILT DRAWINGS BY [illegible] DATE 4/84
CORRECTED BY [illegible] DATE 4/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL

William A. Spurgeon

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY T. Y. ASPERA	DATE APRIL 83
		DRAWN BY T. Y. ASPERA	DATE APRIL 83
		CHECKED BY J. TOPMILLER	DATE APRIL 83

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

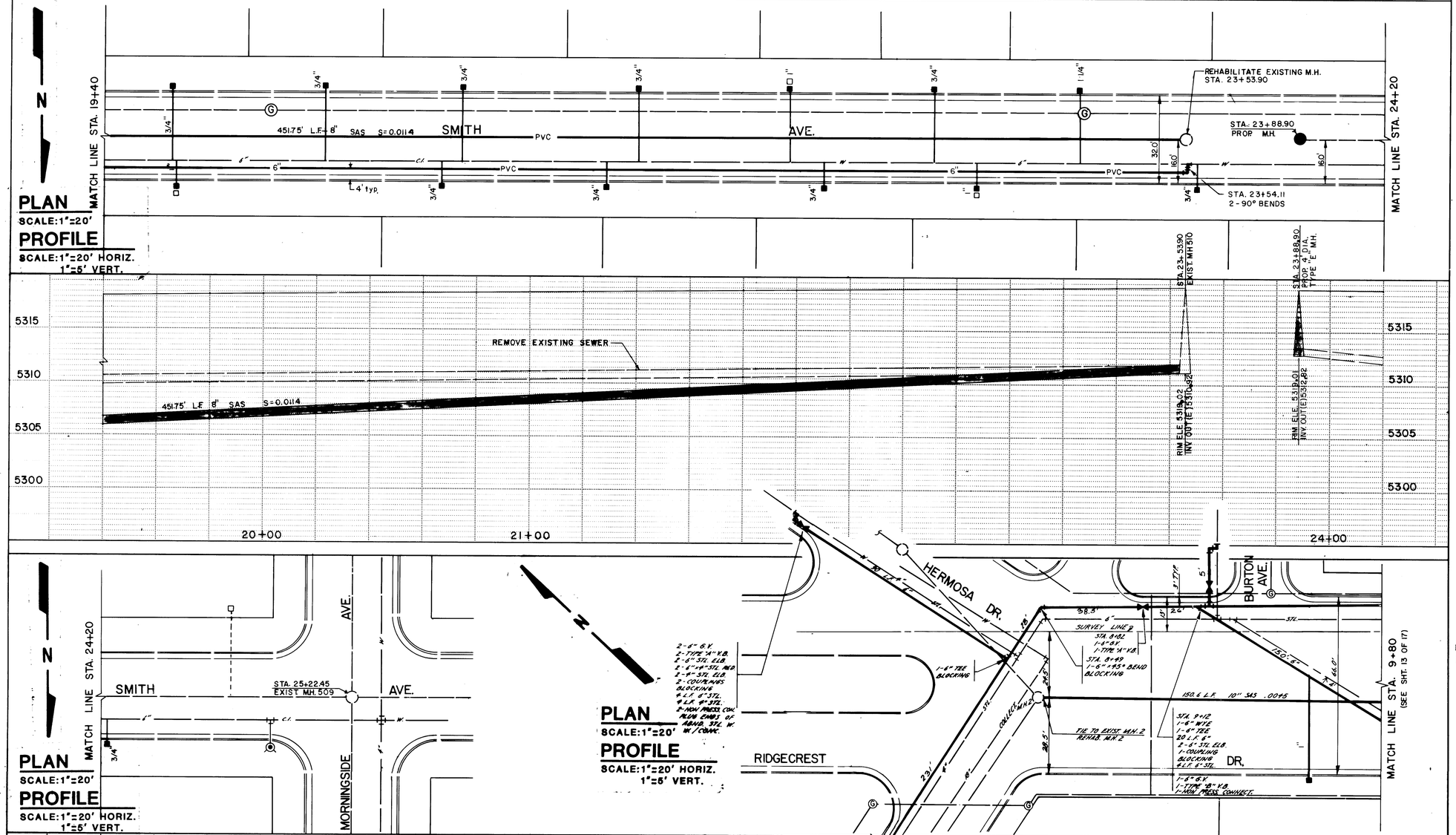
Bruce Spurgeon
3/5/84

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
SMITH AVE.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.- Design			Traffic	N A Duh	8/16/83
A.C.E.- Hydrology			Water	James Topmiller	8-12-83
			Trans. Dept.	[illegible]	8-10-83

DRAWING NO. 83.07.11 ~~1559~~ 2604
MAP NO. L17
SHEET 11 OF 18



NOTE: CONTRACTOR SHALL REPLACE ALL SOD DISTURBED IN THE COURSE OF HIS WORK. REPLACEMENT SOD SHALL BE IDENTICAL IN TYPE TO THAT REMOVED.

Wm L Spell
7/5/84

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BM 3-L17
LOCATED ON TOP OF CONC. CURB AT THE N NE CURB RETURN AT THE INTERSECTION OF RIDGECREST & KATHRYN SE
ELEV. 5306.535

AS BUILT INFORMATION
CONTRACTOR KAC, INC.
WORK STAKED BY KAC, INC. DATE 8/84
LOCATIONS CHECKED BY ACCEPTANCE BY WRD DATE 6/84
FIELD VERIFICATION BY WRD DATE 6/84
CORRECTIONS BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

ENGINEER'S SEAL
William J. Summerford

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGNED BY L. Y. ASPERA	DATE APRIL 83
		DRAWN BY T. Y ASPERA	DATE APRIL 83
		CHECKED BY J. LOMILLER	DATE APR. 83

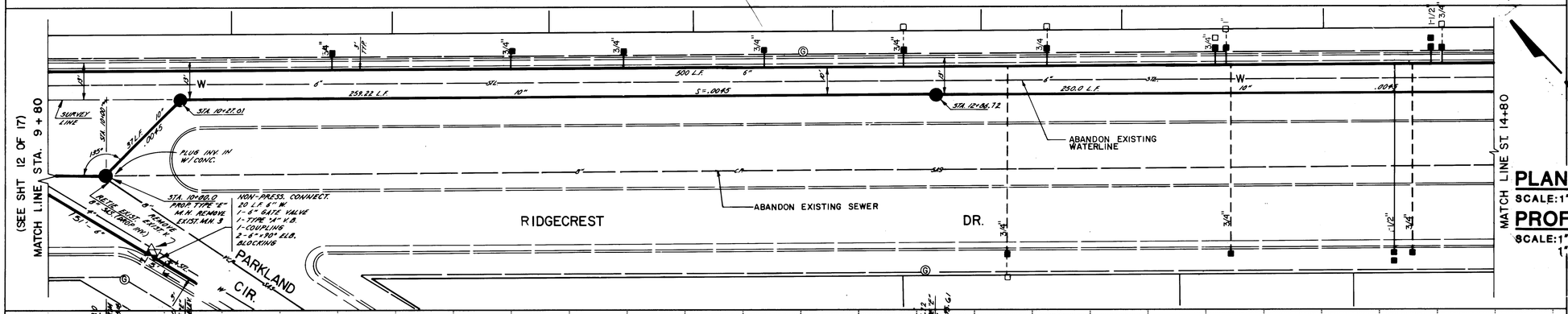
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 6 0 4 1 2 8 4

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

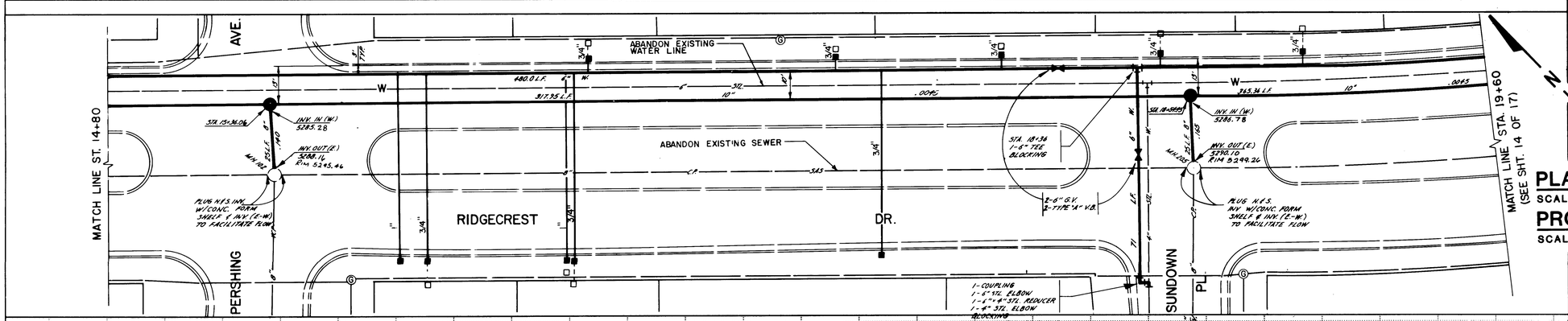
TITLE: WATER & SAS REPLACEMENT IV
SMITH AVE. & RIDGECREST DR.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	Tony Lomiller	8-12-83
A.C.E.-Design			Traffic	M A Dalh	8/16/83
A.C.E.-Hydrology			Water	Tony Lomiller	8-17-83
			Trans. Dept. (P&R)		8-10-83

DRAWING NO. 83.07.12 ~~1559~~ 2604
MAP NO. L-17
SHEET 12 OF 18



NOTE: CONTRACTOR SHALL REPLACE ALL SOD DISTURBED IN THE COURSE OF HIS WORK. REPLACEMENT SOD SHALL BE IDENTICAL IN TYPE TO THAT REMOVED.



SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BM NO. 5-L17

LOCATED ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN AT THE INTERSECTION OF PERSHING & RIDGECREST S.E.

ELEV. - 5295.558

AS BUILT INFORMATION

CONTRACTOR KJC INC.

WORK STAKED BY: KJC INC. DATE 2-84

INSPECTORS

ACCEPTANCE BY W.R.D. DATE 6-84

VERIFICATION BY W.R.D. DATE 6-84

DRAWINGS CORRECTED BY J.F. DATE 6-84

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

ENGINEER'S SEAL

William A. Summers

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY T. Y. ASPERA	DATE APRIL 1983
		DRAWN BY T. Y. ASPERA	DATE APRIL 1983
		CHECKED BY J. TOPMILLER	DATE APRIL 1983

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

2 6 | 2 6 0 4 1 | 3 8 4

Bruce L Spurlock
1/5/84

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE:
WATER & SAS REPLACEMENT IV
RIDGECREST DRIVE

APPROVALS	ENGINEER	DATE
City Engineer		
A.C.E. - Design		
A.C.E. - Hydrology		

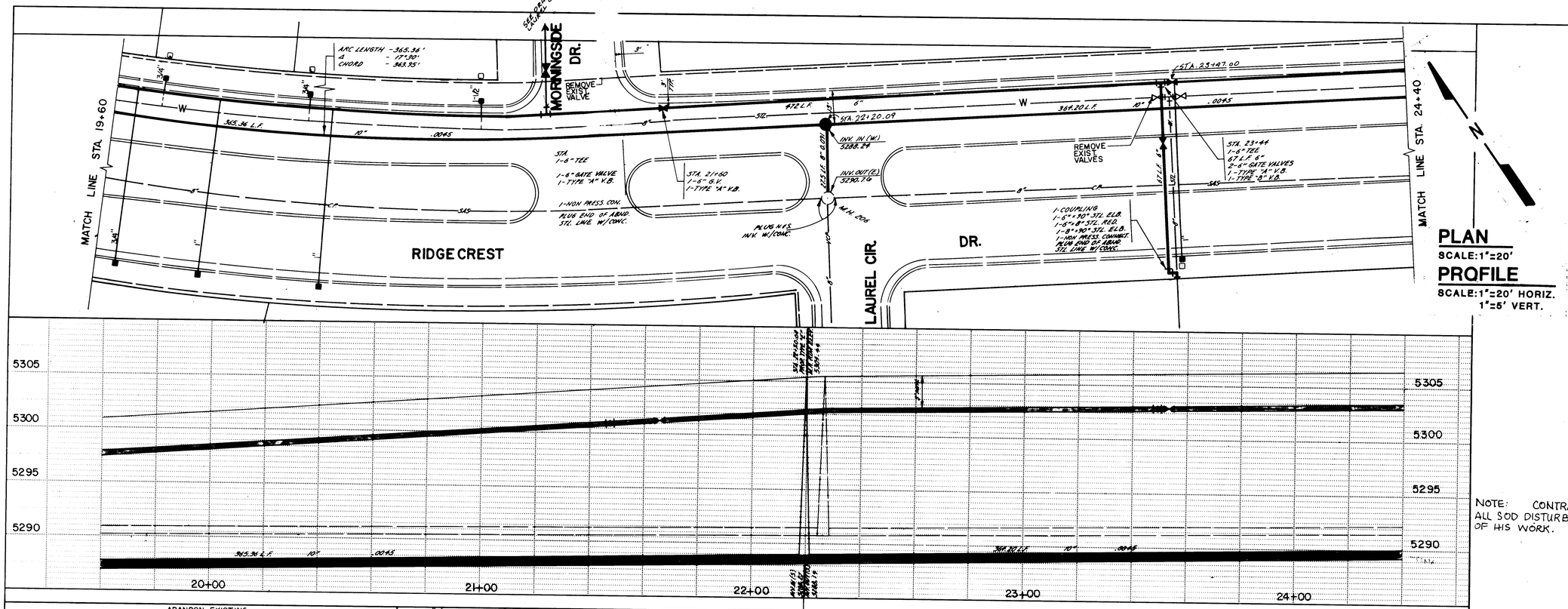
APPROVALS	ENGINEER	DATE
Liquid Waste	James Topmiller	8-12-83
Traffic	N/A Dept	8/16/83
Water	James Topmiller	8-12-83
Trans. Dept. (P&D)	DAP	8-10-83

DRAWING NO. 83.07.13 ~~559~~ 2604

MAP NO. L-17

SHEET 13 OF 18

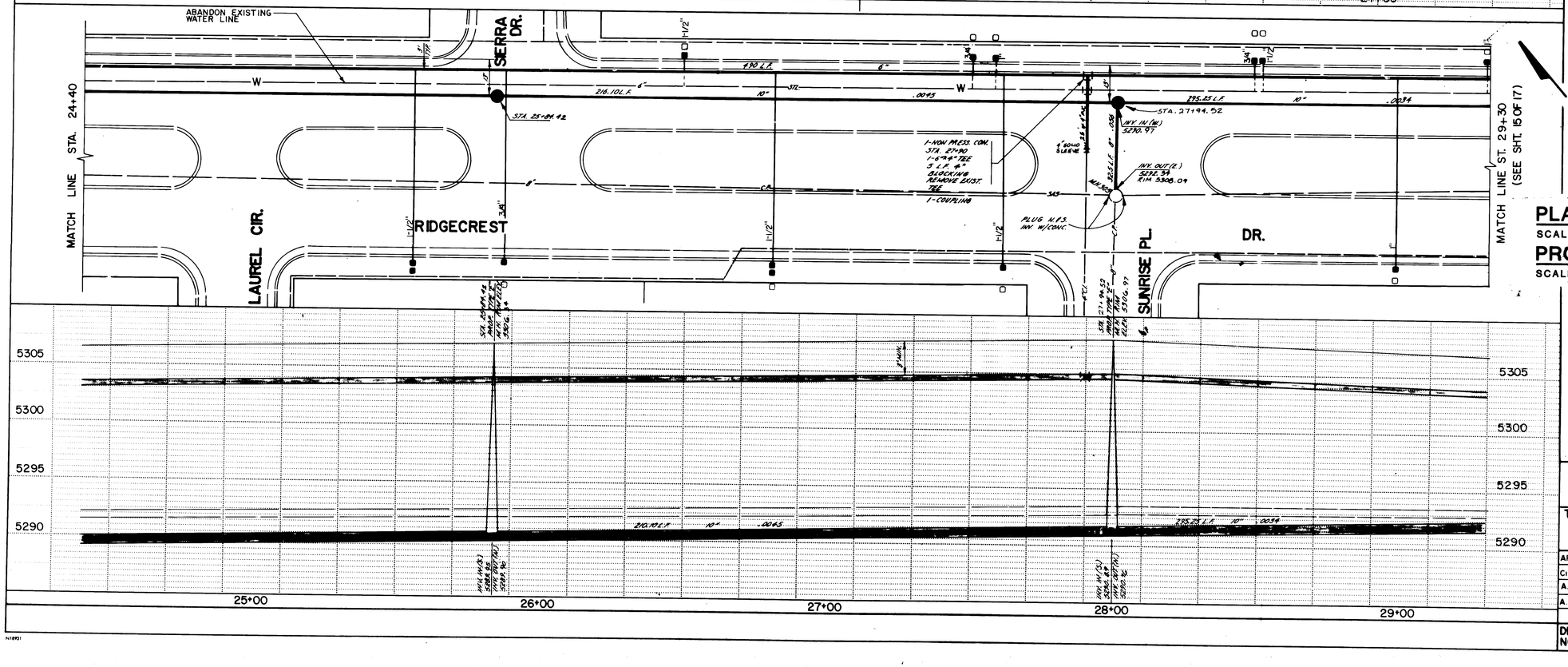
N1891



PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.

NOTE: CONTRACTOR SHALL REPLACE ALL SOD DISTURBED IN THE COURSE OF HIS WORK.



PLAN
SCALE: 1"=20'

PROFILE
SCALE: 1"=20' HORIZ.
1"=5' VERT.

2 6 2 6 0 4 1 4 8 4

Brian L. Sperl
3/6/84

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BM 5-L17
LOCATED ON TOP OF CONC. CURB AT THE WNW CURB RETURN AT THE INTERSECTION OF PERSHING & RIDGECREST SE
ELEV AT 5295.558

AS BUILT INFORMATION
CONTRACTOR KNC, INC.
WORK STAKED BY KNC, INC. DATE 8/84
ASPE FIELD TIES BY WRD DATE 6/84
FIELD VERIFICATION BY WRD DATE 6/84
AS BUILTS CORRECTED BY N.C. DATE 6/84

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

ENGINEER'S SEAL
William F. Summerville

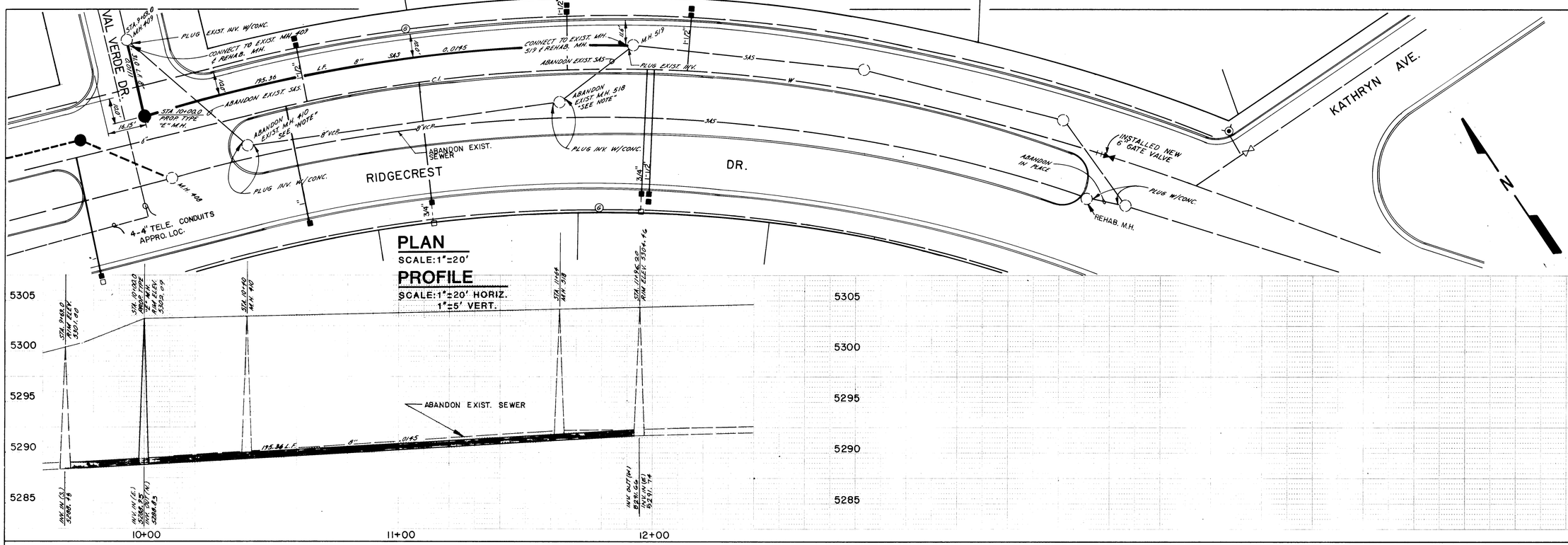
NO.	DATE	REVISIONS	BY
		DESIGN	
		DESIGNED BY T. Y. ASPERA	DATE APRIL 83
		DRAWN BY T. Y. ASPERA	DATE APRIL 83
		CHECKED BY J TOPMILLER	DATE APRIL 83

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER & SAS REPLACEMENT IV
RIDGECREST DR.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	[illegible]	8-17-83
A.C.E.-Design			Traffic	W A Dahl	8/16/83
A.C.E.-Hydrology			Water	[illegible]	8-12-83
			Trans. Dept. (P&P)		8-10-83

DRAWING NO. 83.07.14 ~~559~~ 2604
MAP NO. L 17
SHEET 14 OF 18



NOTE: ON RIDGECREST DR.:

1. CONTRACTOR SHALL LAY SOD WHERE ABANDONED M.H. 410 AND 518; CONES, RIMS, AND M.H. COVERS HAVE BEEN REMOVED.
2. CONTRACTOR SHALL REPLACE SOD WHERE WATER AND/OR SANITARY SEWER SERVICES HAVE BEEN REPLACED OR RECONNECTED.
3. SOD REPLACEMENT SHALL BE PLACED ON 18-INCH BED OF SOIL COMPACTED TO 95 PERCENT COMPACTION EFFORT. (ASTM D-1557)
4. SOD REPLACEMENT SHALL MATCH EXISTING CONDITIONS AS MUCH AS POSSIBLE. THE PARKS AND RECREATION DEPT. SHALL INSPECT WORK AND MAY REQUIRE CORRECTIVE MEASURES AT THE CONTRACTORS EXPENSE.
5. "CONTRACTOR WILL REPLACE 4-INCH ASPHALT CONCRETE BASE COURSE ONLY IN RIDGECREST DRIVE SE TO THE LEVEL OF EXISTING ADJACENT PAVEMENT. THE STREET IS SCHEDULED FOR OVERLAY FOLLOWING THE WORK OF THIS PROJECT.

AS BUILT INFORMATION
CONTRACTOR KNC INC.
WORK INSPECTORS KNC INC. DATE 2-84
ACCEPTANCE BY WRD DATE 6-84
VERIFICATION BY WRD DATE 6-84
DRAWINGS CORRECTED BY W.C. DATE 7-84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
B.M. 3-L17
A SQUARE, ☒, CHISELED ON TOP OF CONC. CURB AT THE NNE CURB RETURN AT THE INTERSECTION OF RIDGECREST & KATHRYN S.E.
ELEV. — 5306.535

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO.
EST. NO.
W.O. NO.

REMARKS
NO. DATE
REVISIONS
DESIGN
DESIGNED BY T.Y. ASPERA DATE APRIL 83
DRAWN BY T.Y. ASPERA DATE APRIL 83
CHECKED BY J.R. TOPMILLER DATE APRIL 83

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

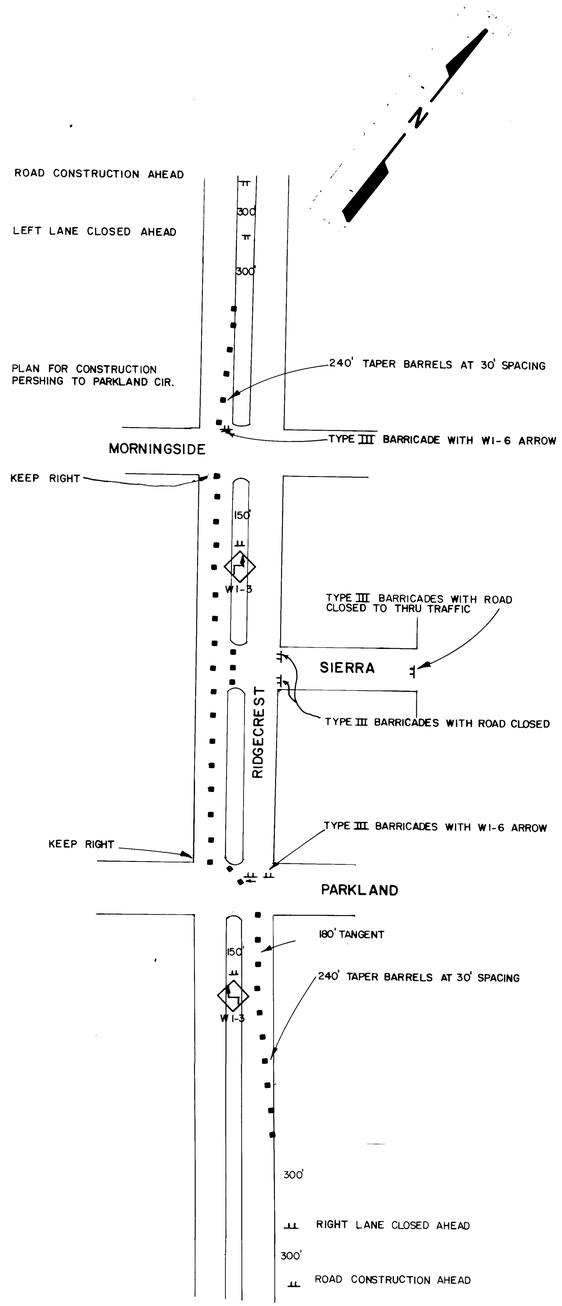
APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

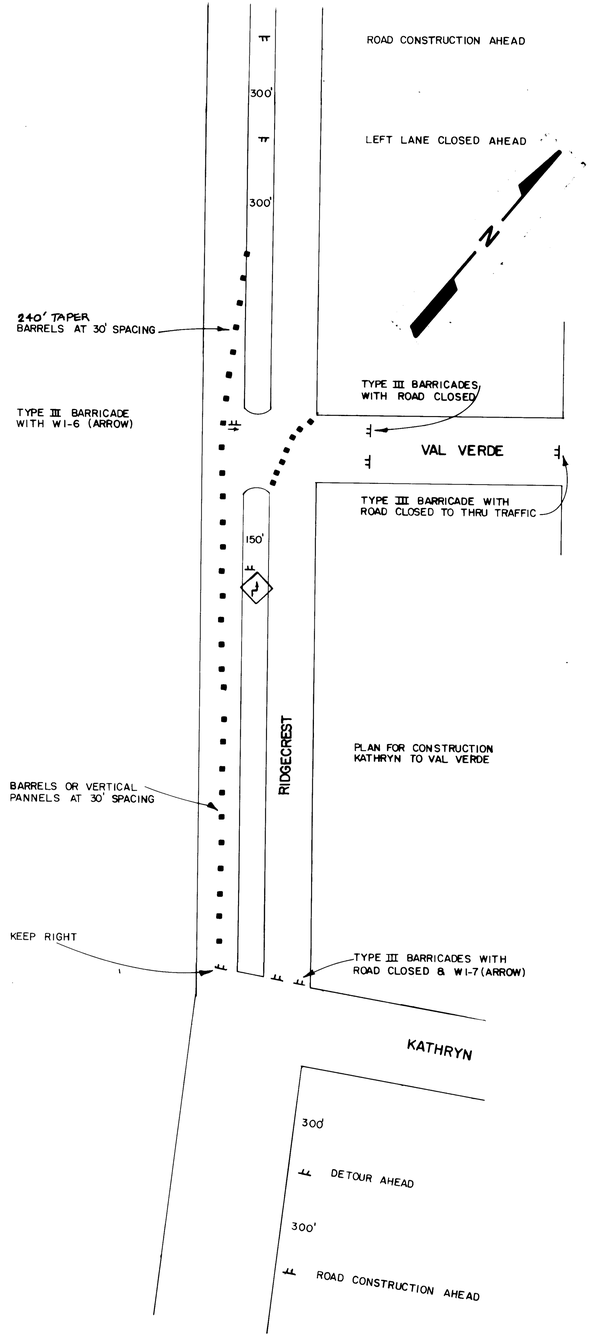
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

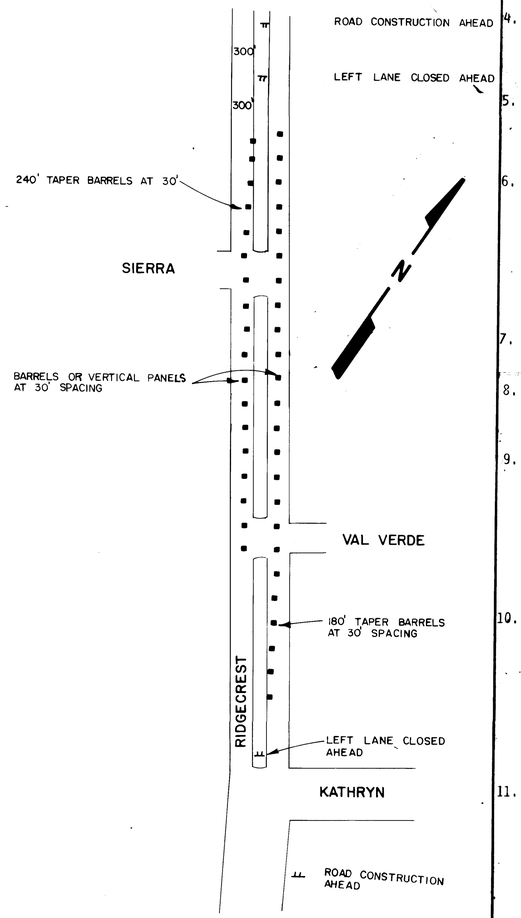
TITLE: WATER & SAS REPLACEMENT IV
RIDGECREST DR.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8-12-83
A.C.E.- Design			Traffic	N/A D.W.H.	8/16/83
A.C.E.-Hydrology			Water	James Topmiller	8-12-83
			Trans. Dept (P&P)	N/A	8-10-83

DRAWING NO. 83.07.16 ~~1559~~ 2604
MAP NO. L-17 SHEET 16 OF 18







GENERAL NOTES FOR TRAFFIC CONTROL

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 DETOUR 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 CONSTUCTION WARNING SIGNS SHALL BE 7 FEET ABOVE THE SIDEWALK LEVEL.
4. ALL SIGNS, BARRICADES AND/OR BARRELS WILL BE REFLECTORIZED. ALL BARRELS MAY HAVE SAND OR WATER BALLAST LIMITED TO 100 LBS.
5. ALL SIGN LOCATIONS WILL BE SELCETED 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 SIGNS 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 ACCESS TO BUSINESS AND RESIDENCES ADJACENT TO THE CONSTRUCTION AREA
9. WHEN BARRIERS ARE REQUIRED AFTER DARK, ALL ADVANCE WARNING SIGNS AND ALL BARRICADES SHALL BE EQUIPED 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.

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S FIELD CHANGE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

REVISIONS
NO. | DATE | BY | REMARKS
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TRAFFIC CONTROL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Lapsley	6-12-83
A.C.E.-Design			Traffic	David W. Hanna	8/16/83
A.C.E.-Hydrology			Water	James Lapsley	8-12-83
			Trans. Dept. (P&P)		8-10-83

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MAP NO.
SHEET 17 OF 18

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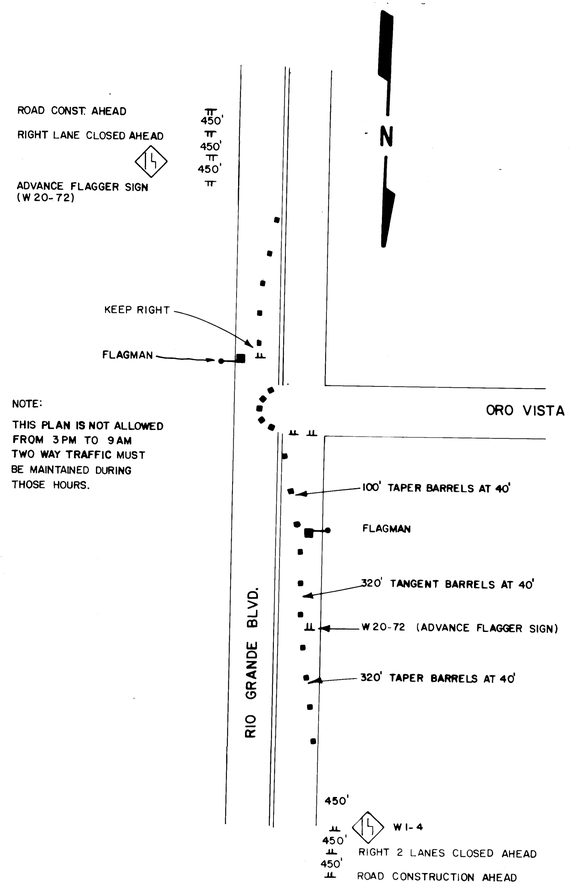
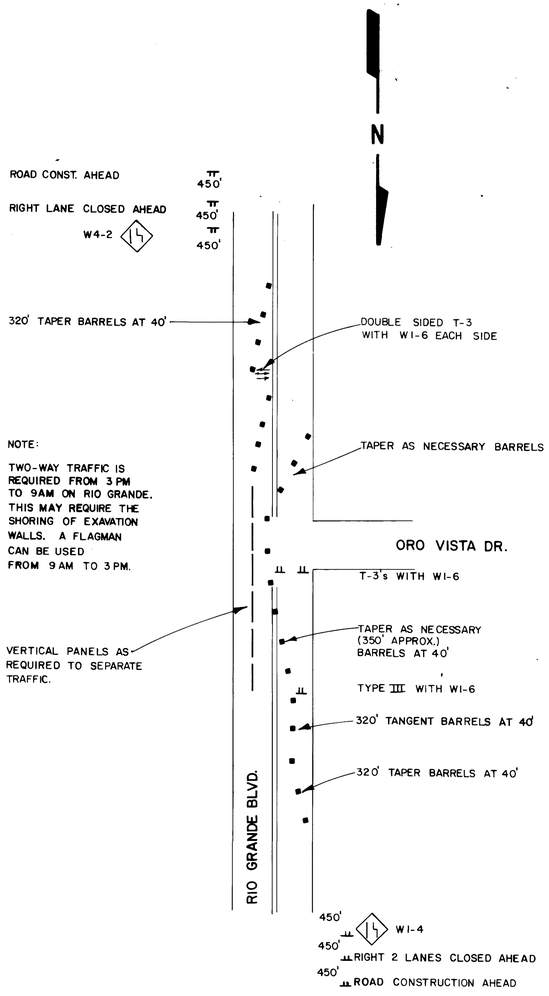


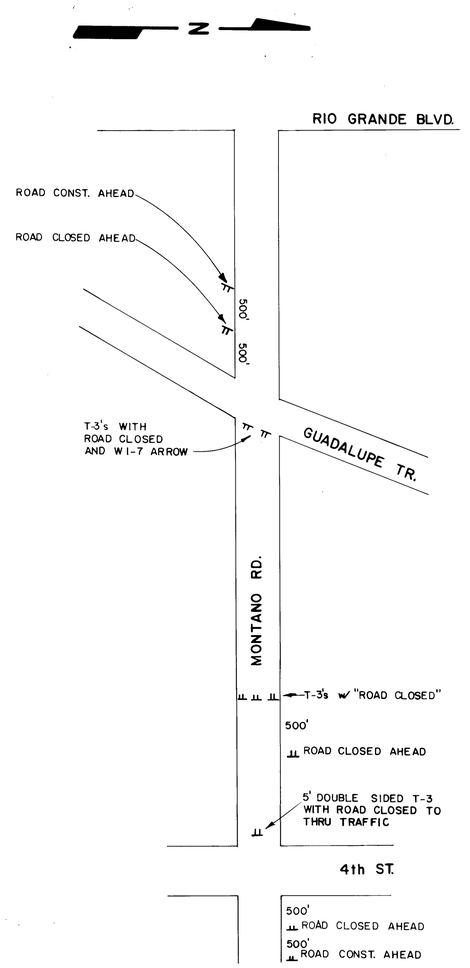
NOTE:

THIS PLAN IS NOT ALLOWED FROM 3PM TO 9AM TWO WAY TRAFFIC MUST BE MAINTAINED DURING THOSE HOURS.



NOTE:

TWO-WAY TRAFFIC IS REQUIRED FROM 3 PM TO 9AM ON RIO GRANDE. THIS MAY REQUIRE THE SHORING OF EXAVATION WALLS. A FLAGMAN CAN BE USED FROM 9 AM TO 3 PM.



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 WIDTH OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ONE DIRECTION.

15. ALL ADVANCE WARNING SIGNS SHALL BE 48" X 48" MINIMUM.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE 6-7-84
CORRECTED BY U/C
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

William Stevenson

REVISIONS
NO. | DATE | REMARKS | BY
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

12.6 | 12.10 | 14.18.84

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TRAFFIC CONTROL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James Topmiller	8.13.83
A.C.E. - Design			Traffic	David A. Hanna	8/16/83
A.C.E. - Hydrology			Water	James Topmiller	8.17.83
			Trans. Dept. (P&P)	[illegible]	8-10-83

DRAWING NO. 83.07.18 ~~#559~~ 2604 | MAP NO. | SHEET 18 OF 18