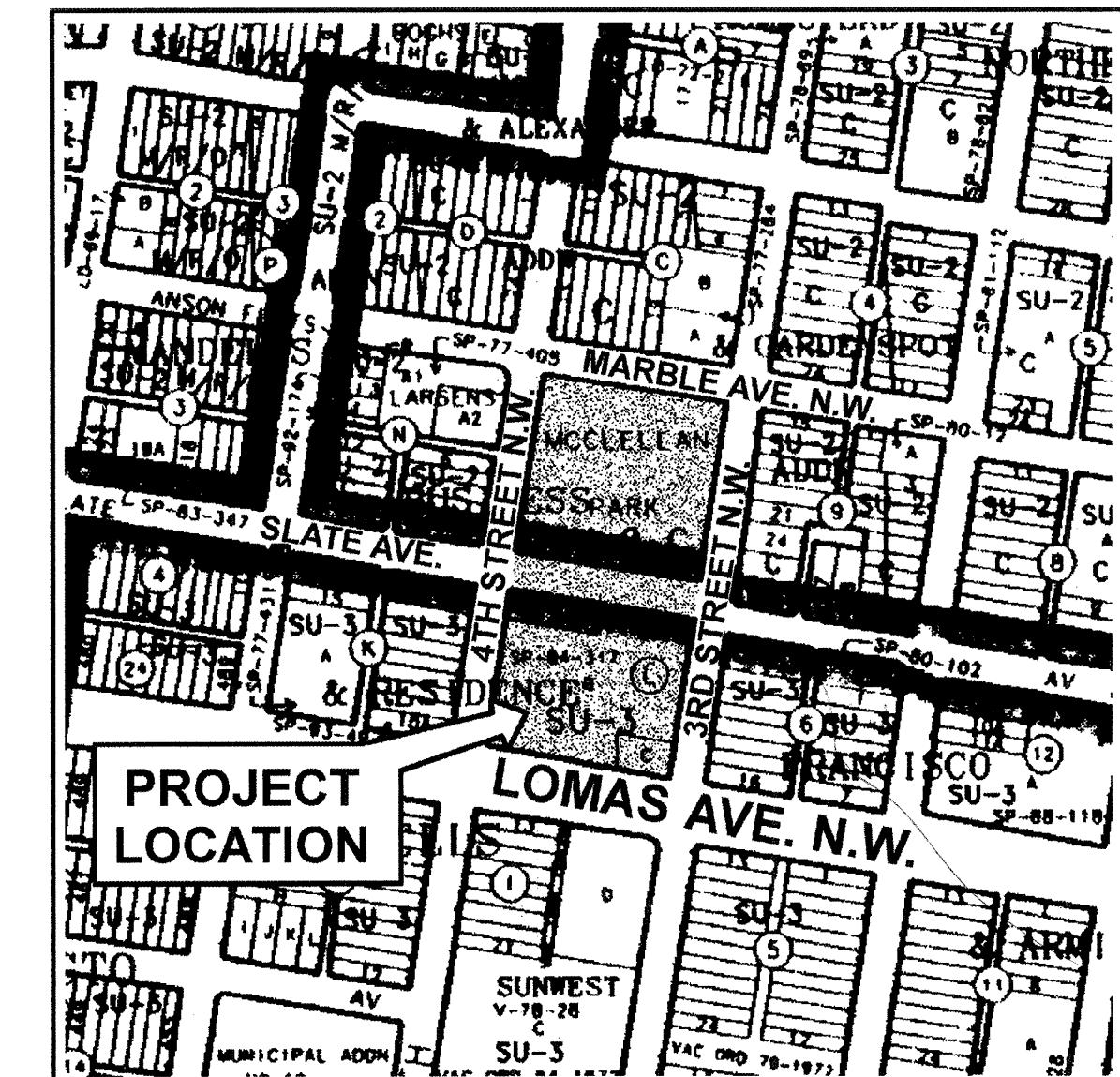


2 3 4 5 6 7 8 9 10 11 12 13 14 15  
16-5014.911-071

# CONSTRUCTION PLANS FOR FEDERAL COURTHOUSE INFRASTRUCTURE IMPROVEMENTS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET AND GENERAL NOTES
2	SURVEY PLAT
3	SITE PLAN
4	WATERLINE REPLACEMENT PLAN AND PROFILE 'A'
5	WATERLINE REPLACEMENT PLAN AND PROFILE 'B'
6	STORM SEWER AND SANITARY SEWER PLAN AND PROFILE
7	INSETS AND DETAILS PLAN
8	TRAFFIC CONTROL PLAN



VICINITY MAP J-14

### GENERAL NOTES:

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. WATER SHUTOFF REQUIREMENTS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT THE PUBLIC UTILITY COMPANIES SERVING THIS SITE SO THAT THE EXISTING FACILITIES CAN BE LOCATED BY THOSE ENTITIES.
4. 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.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUILDINGS AND ADJACENT PROPERTIES DURING CONSTRUCTION.
6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
7. IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. EXISTING CURB AND GUTTER, SIDEWALK, PAVEMENT, PAVEMENT MARKING, AND ANY OTHER CITY FACILITY 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 AND PER CITY STANDARDS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.
9. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGEMENT DIVISION OF THE PROPOSED COMMENCEMENT OF CONSTRUCTION AND PROPOSED WORK SCHEDULE FOR WORK WITHIN THE CITY R.O.W. AT LEAST 24 HOURS PRIOR TO THE ACTUAL COMMENCEMENT OF CONSTRUCTION. A COPY OF THE APPROVED PLANS SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS.
10. THE OWNER SHALL BE RESPONSIBLE, THROUGH HIS ENGINEER, FOR MAKING ALL ENGINEERING PLAN CHANGES AND REVISIONS TO THE ORIGINAL APPROVED ENGINEERING DRAWINGS. ALL CHANGES SHALL BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION. FINAL "RECORD DRAWINGS" SHALL BE FILED IN THE OFFICE OF CITY MAPS AND RECORDS.
11. THE CONTRACTOR SHALL PROVIDE AN AREA TO STORE CONSTRUCTION DEBRIS WHERE IT WILL NOT BE A NUISANCE TO THE SURROUNDING NEIGHBORHOOD. ALL DEBRIS SHALL BE CONTAINED IN SUCH A MANNER THAT WILL PREVENT SCATTERING. ALL DEBRIS INCLUDING TREES AND UNDERGROWTH SHALL BE DISPOSED OF PROPERLY WITHIN THE CITY LANDFILL. ALL DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO FINAL SITE INSPECTION.

### THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED :

- 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 DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- THE REQUESTER OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

Red  
Mountain  
Engineers, Inc.  
Engineers • Surveyors • Architects

1216 Parkway Drive  
P.O. Box 16115  
Santa Fe, NM 87506-6115  
Phone: (505) 473-7373

4600-C Montgomery Blvd. NE  
Suite 101  
Albuquerque, NM 87109  
Phone: (505) 889-3004

REV. SHEETS CITY ENGINEER DATE USER DEPARTMENT DATE  
ENGINEERS STAMP & SIGNATURE APPROVALS ENGINEER DATE \*\*\*\*\* APPROVED FOR CONSTRUCTION

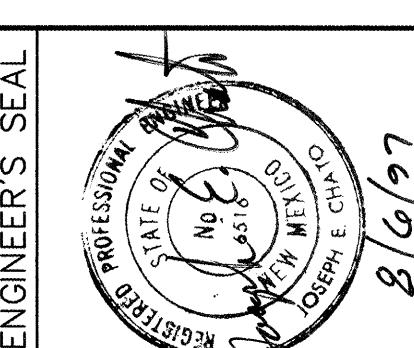
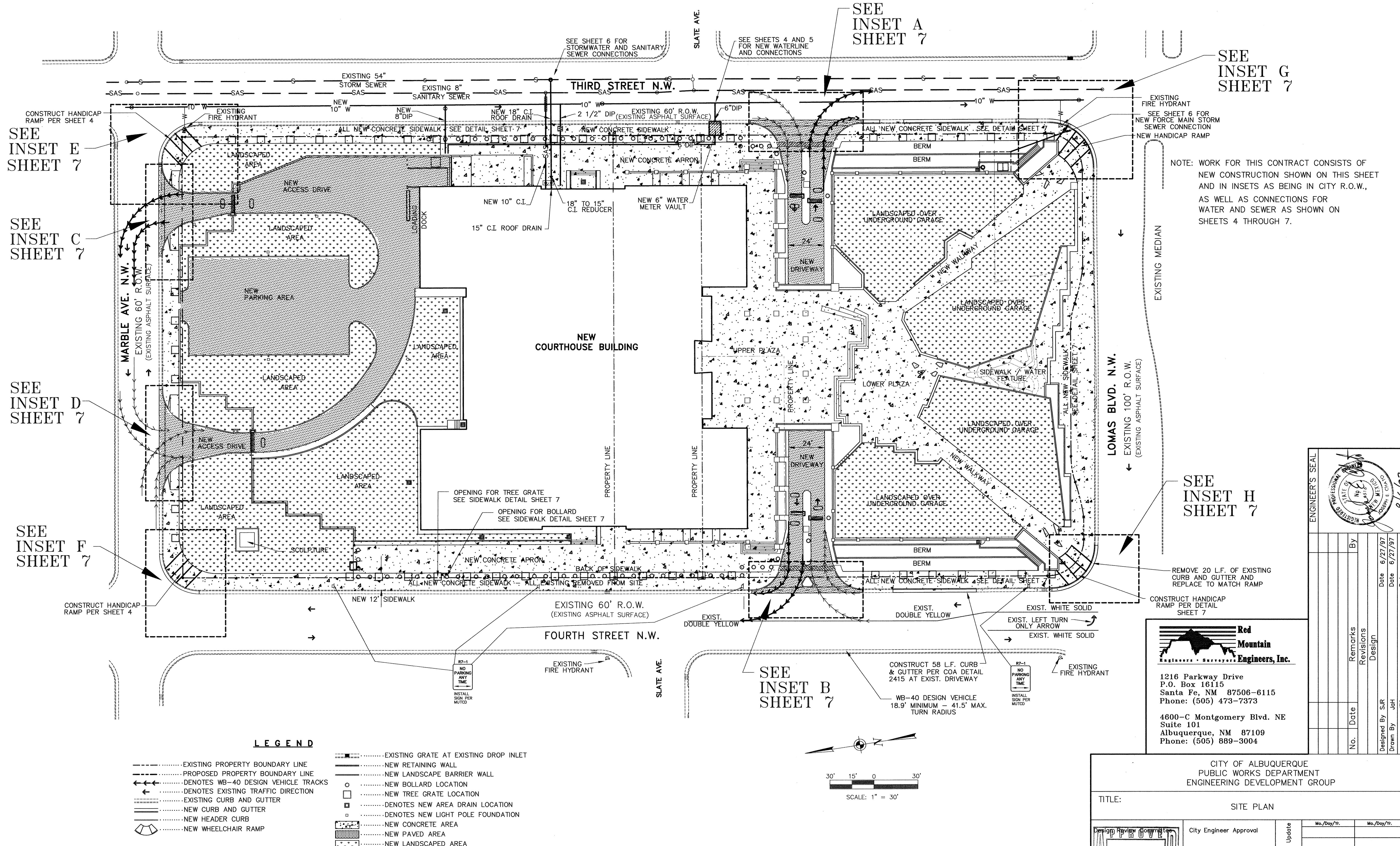
DRC Chairman	<i>Sally G. Landley</i>	9-9-97	
Transportation	<i>Terry Parker</i>	9/2/97	
Water/Wastewater	<i>R.W. Korn</i>	9-2-97	
Hydrology	<i>Morgan</i>	8/8/97	
C.I.P.			
Constr. Mngmt.			

City Project No. 507491 Sheet 1 of 8

JOSEPH E. CHATO  
REGISTERED PROFESSIONAL  
STATE OF NEW MEXICO  
Date 11/16/2007

8/6/97





1216 Parkway Drive  
P.O. Box 16115  
Santa Fe, NM 87506-6115  
Phone: (505) 473-7373

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE:

SITE PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
PROVVED SEP - 9 1997 DESIGN REVIEW COMMITTEE			

City Project No. 507491 Zone Map No. J-14-Z Sheet 3 Of 8

SCANNED BY  
PLANNING

## LEGEND

- EXISTING PROPERTY BOUNDARY LINE

 ----- DENOTES TRAFFIC DIRECTION

 ----- EXISTING GRATE AT EXISTING DROP INLET

 ----- EXISTING CURB AND GUTTER

----- NEW CONCRETE SIDEWALK

 ----- DENOTES BOLLARD LOCATION

 ----- DENOTES TREE GRATE LOCATION

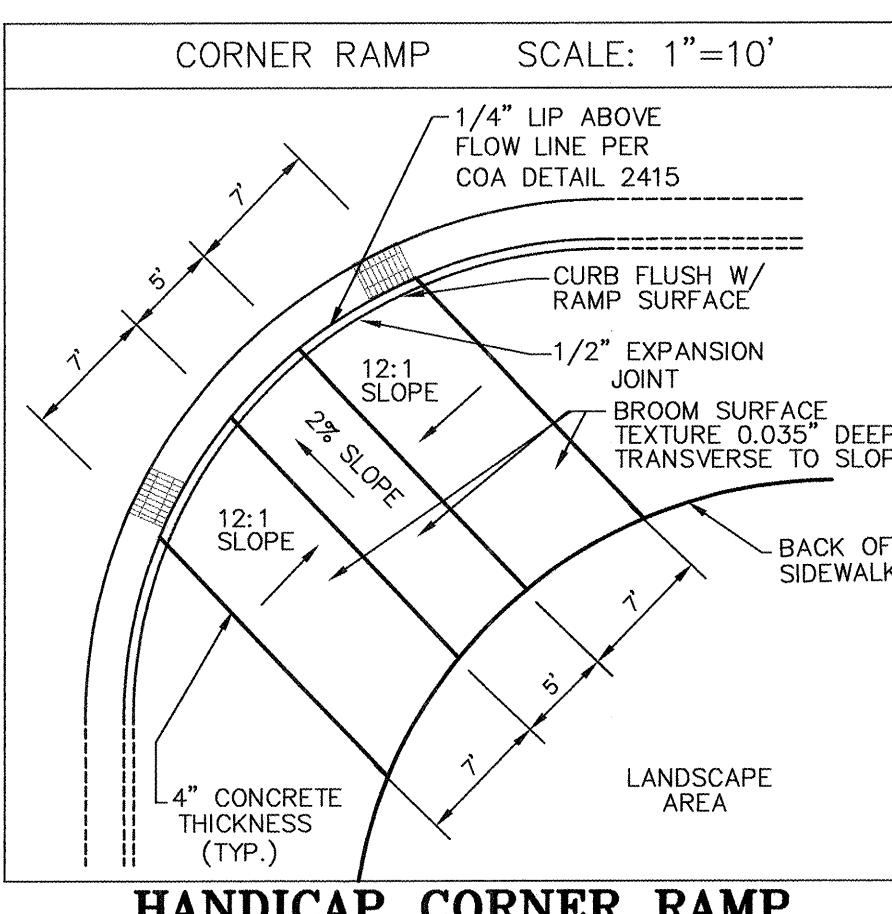
 ----- DENOTES NEW WHEELCHAIR RAMP LOCATION

----- UTILITY LINE TO BE INSTALLED

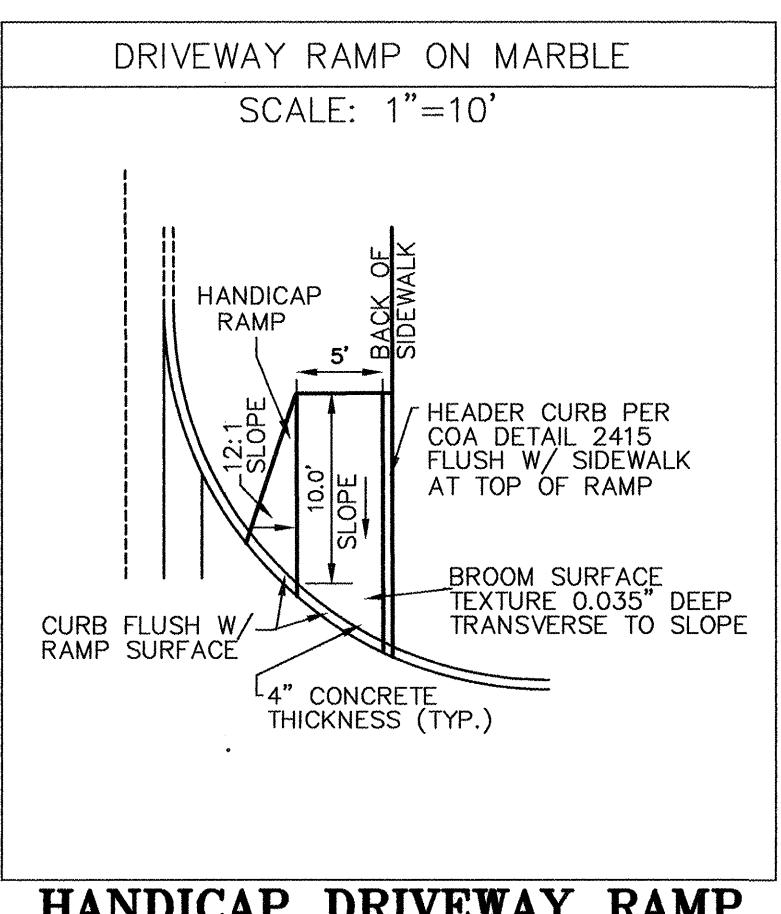
--- S --- EXISTING STORM SEWER LINE

--- SAS --- EXISTING SANITARY SEWER

----- NEW CURB AND GUTTER



## **HANDICAP CORNER RAMP**



## **HANDICAP DRIVEWAY RAMP**

# **PUBLIC WATERLINE PLAN AND PROFILE**

**RESTRAINED JOINT TABLE**  
(USE RESTRAINED JOINTS ON ALL FITTINGS)

**WATER SHUTOFF PLAN**

# WATERLINE CONSTRUCTION NOTES

- ALL WATERLINE AND TRENCHING DETAILS PER CITY OF ALBUQUERQUE STANDARD DETAIL 2315 (TYPICAL).
  - ALL WATERLINE CONNECTIONS TO BE FULLY RESTRAINED FROM TEE TO 90° BEND PER JOINT RESTRAINT TABLE.

<u>RESTRAINED</u> <u>LENGTH</u> <u>ON BRANCH</u>	<u>FITTING</u>	<u>SIZE</u>	<u>RESTRAINED</u> <u>LENGTH</u> <u>REQUIRED</u> <u>FOR BRANCH</u>
5'	TEE	10x10x8	31'
3'	TEE	10x10x6	23'
1' (14" LINE)	TEE	14x14x10	76' (10" LINE)
12' (10" LINE)	TEE	8x8x10	1' (8" LINE)
85' (BOTH)	INLINE VALVE	10"	-----
43' (UPPER)	VERTICAL 45°	10"	-----

SEE SHEET 3 FOR MAP LOCATIONS

WATER SHUTOFF REQUIREMENTS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN. IN ORDER TO COMPLETE THIS CONNECTION, THE FOLLOWING VALVES MUST BE CLOSED BY WATER SYSTEMS PERSONNEL;

VALVE NUMBERS: 694 696 693 735  
745 1051 1052 1013

HORIZ.: 1" = 20'  
VERT.: 1" = 2'

REGISTERED PROFESSIONAL ENGINEER  
NEW MEXICO  
STATE OF NEW MEXICO  
REGISTRATION NO. 6516  
JOSEPH E. CHATO

H. J. CHATO

REGISTERED PROFESSIONAL ENGINEER  
NEW MEXICO  
STATE OF NEW MEXICO  
REGISTRATION NO. 6516  
JOSEPH E. CHATO

H. J. CHATO

REME FILE: 958034&5.dwg PLOT VIEW ROLL @ 1=1 Date 6/27/97

4958  
4956  
4954  
4952  
4950  
4948  
4946  
4944

REPLACE EXISTING CONNECTION TO 6" AND 8" LINES WITH 10x8 CROSS CONNECTION AND 10x6 REDUCER COORDINATE w/CITY OF ALBUQUERQUE FOR NON-PRESSURE CONNECTION TOP OF PIPE UNKNOWN

RECONNECT EXISTING FIRE LINE TOP OF PIPE ELEV. = UNKNOWN STATION 0+40

RECONNECT EXISTING SERVICE TOP OF PIPE ELEV. = UNKNOWN STATION UNKNOWN

REMOVE SERVICE TO WEST

EXISTING PROFILE GRADE

RECONNECT EXISTING SERVICE WITH 10x(EXISTING)x10 TEE TOP OF PIPE ELEV. = UNKNOWN STATION UNKNOWN

INSTALL 8" DIA. DIP TEE TOP OF PIPE ELEV. = 4951.2

45° ELBOW RESTRAINED JOINT TOP OF PIPE ELEV. = 4951.2

RECONNECT EXISTING SERVICE WITH 10x(EXISTING)x10 TEE TOP OF PIPE ELEV. = UNKNOWN STATION UNKNOWN

Sta 0+00.00 Sta 0+04.00 Sta 0+20.00 Sta 0+40.00 Sta 0+60.00 Sta 0+80.00 Sta 1+00.00 Sta 1+20.00 Sta 1+40.00 Sta 1+60.00 Sta 1+80.00 Sta 2+00.00 Sta 2+20.00 Sta 2+40.00 Sta 2+60.00 Sta 2+80.00 Sta 3+00.00 Sta 3+20.00 Sta 3+40.00

REPLACE EXISTING 6" WATER LINE WITH NEW 10" C900

10" PVC C900 WATER LINE

TOP OF PIPE ELEV. = 4946.8

36" MIN. BURY DEPTH

36" MIN. BURY DEPTH

2+86.50 NEW 10" S.A.S. PRESSURE PIPE PER COA DETAIL 2140 INV. = 4948.3 Sta 2+90.00 NEW 18" C.I. STORM DRAIN

45° ELBOW RESTRAINED JOINT TOP OF PIPE ELEV. = 4951.2

45° ELBOW RESTRAINED JOINT TOP OF PIPE ELEV. = 4951.2

45° ELBOW RESTRAINED JOINT TOP OF PIPE ELEV. = 4951.2

MATCHLINE SEE SHEET 5 FOR CONTINUATION

4958  
4956  
4954  
4952  
4950  
4948  
4946  
4944

Red Mountain Engineers Surveyors Inc.

1216 Parkway Drive  
P.O. Box 16115  
Santa Fe, NM 87506-6115  
Phone: (505) 473-7373

4600-C Montgomery Blvd. NE  
Suite 101  
Albuquerque, NM 87109  
Phone: (505) 889-3004

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE:  
WATERLINE REPLACEMENT PLAN AND PROFILE 'A'

APPROVED SEP - 9 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Designed By SUR	Date 6/27/97
Drawn By JdH	Date 6/27/97
	Date
No.	Remarks
	Revisions
	Design

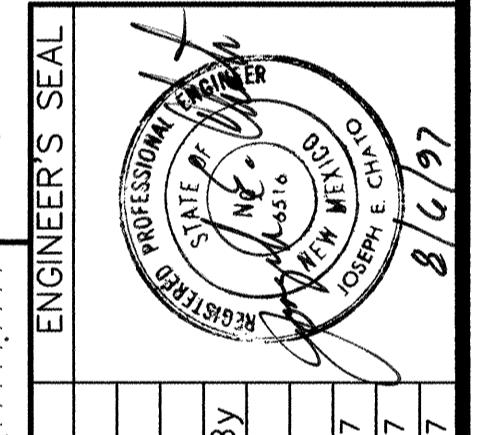
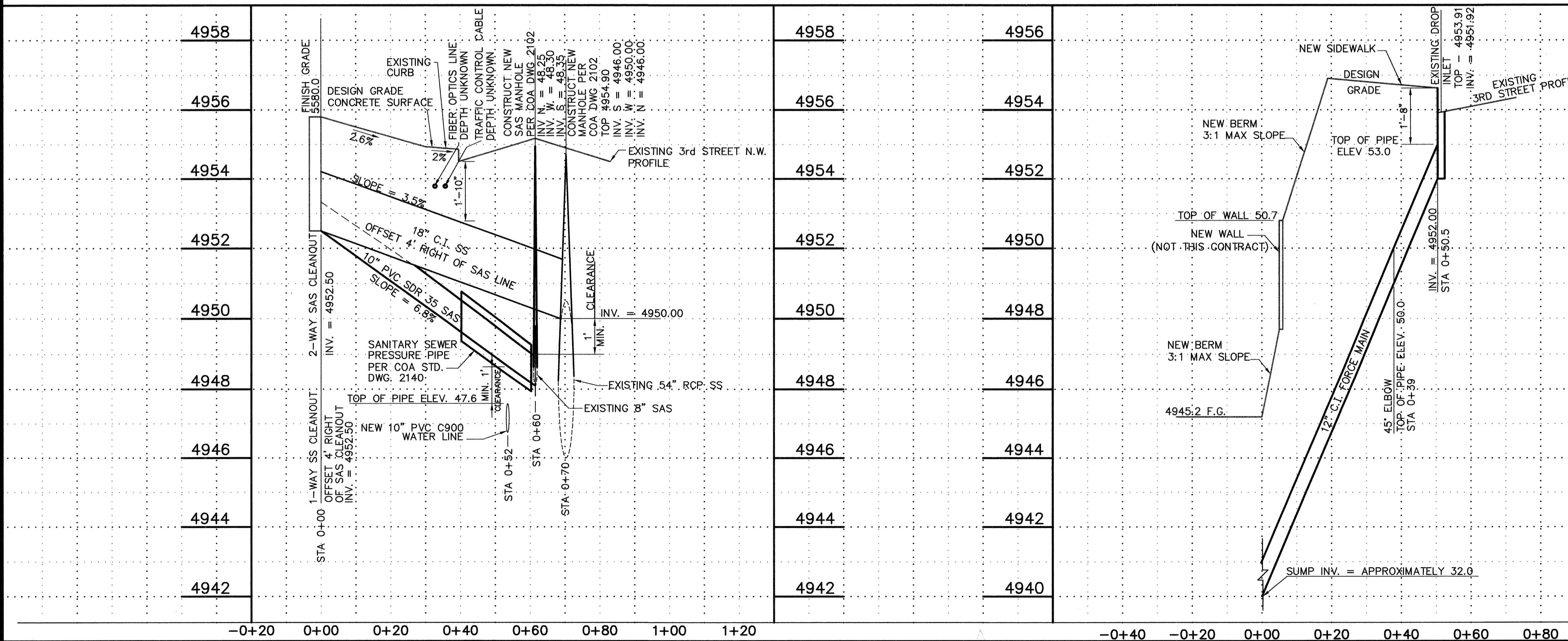
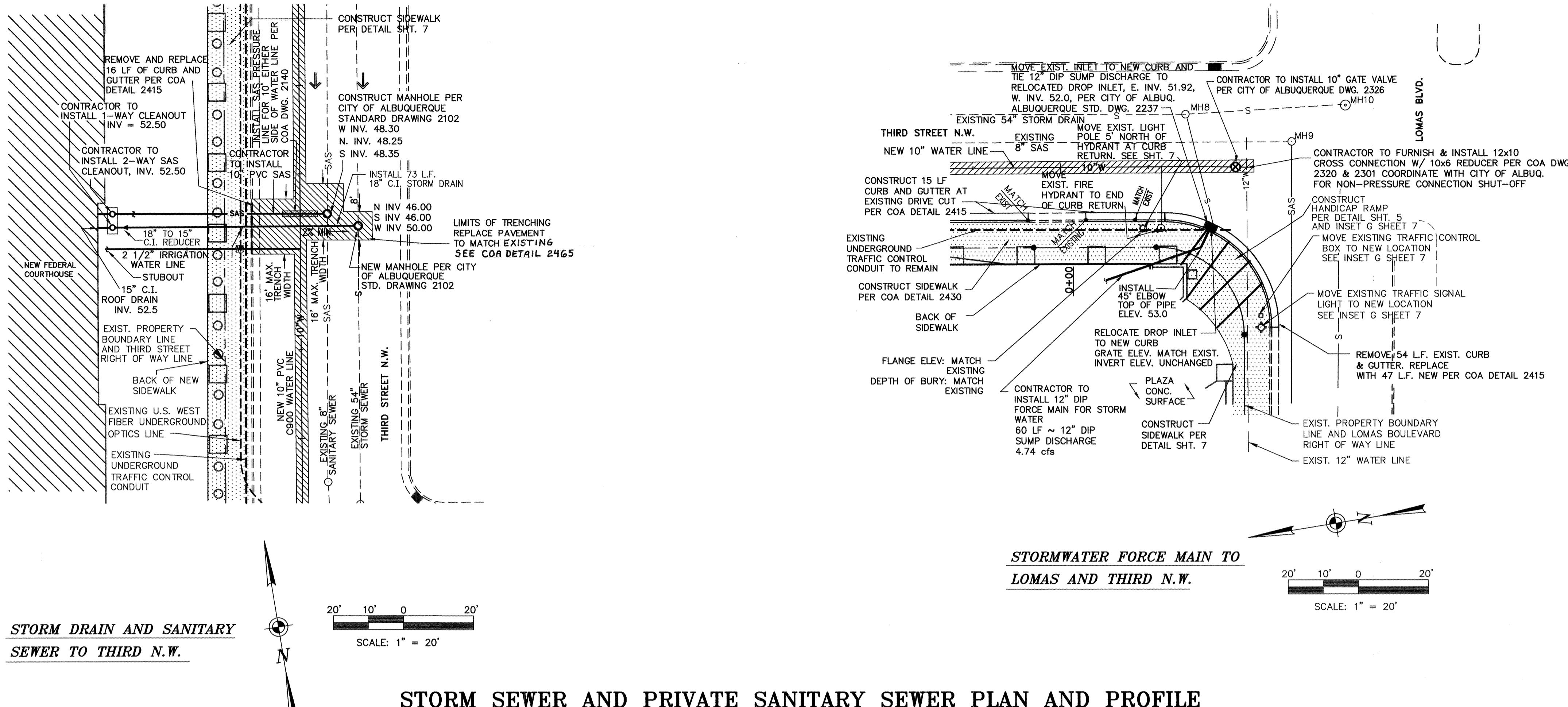
Last Design Update

Mo./Day/Yr. Mo./Day/Yr.

City Project No. 507491 Zone Map No. J-14-Z Sheet 4 Of 8

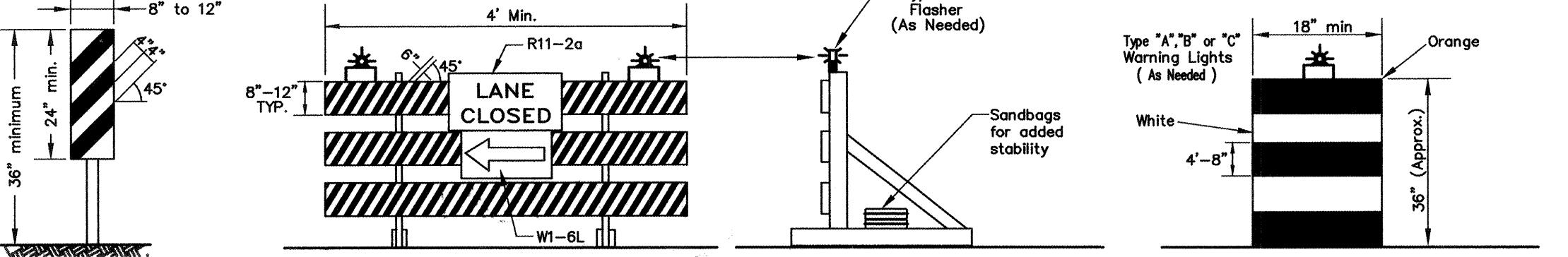
RECEIVED  
JUN 27 1997  
JOSEPH  
RECEIVED  
JUN 27 1997  
JOSEPH





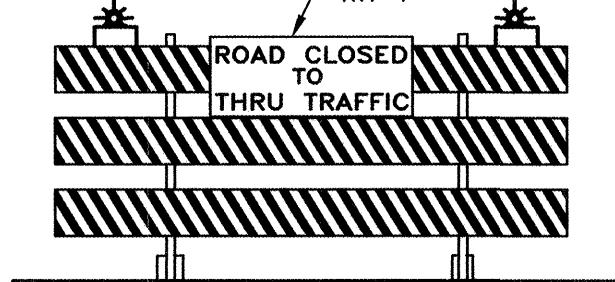
Engineer's Seal



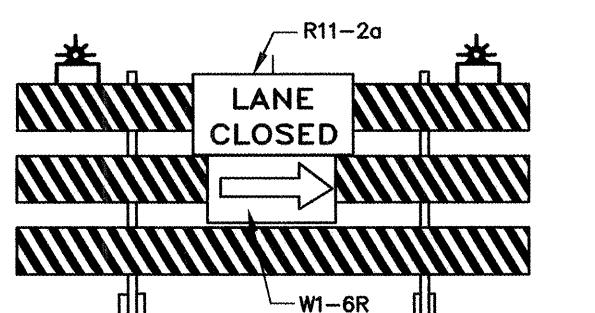


## Vertical Panel Detail

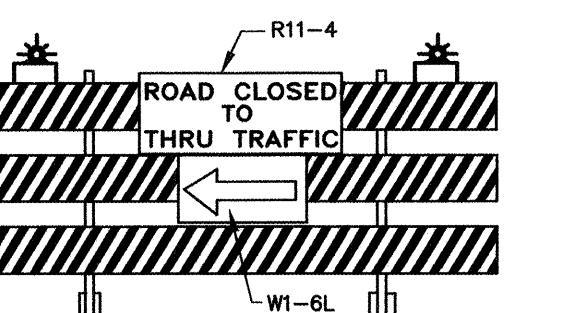
Type III Barricade  
w/R11-2a & W1-6L



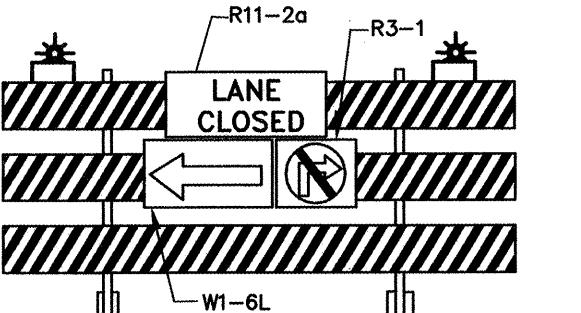
Type III Barricade  
w/R11-4



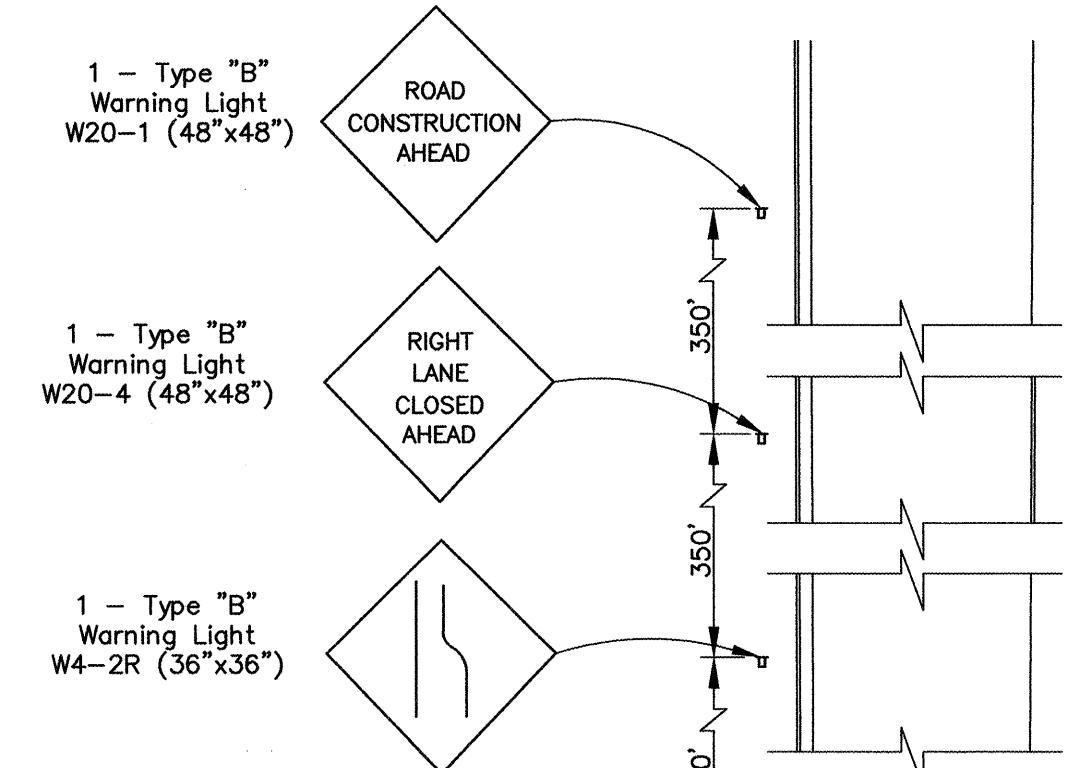
Type III Barricade  
w/R11-2a & W1-6R



Type III Barricade  
w/R11-4 & W1-6L

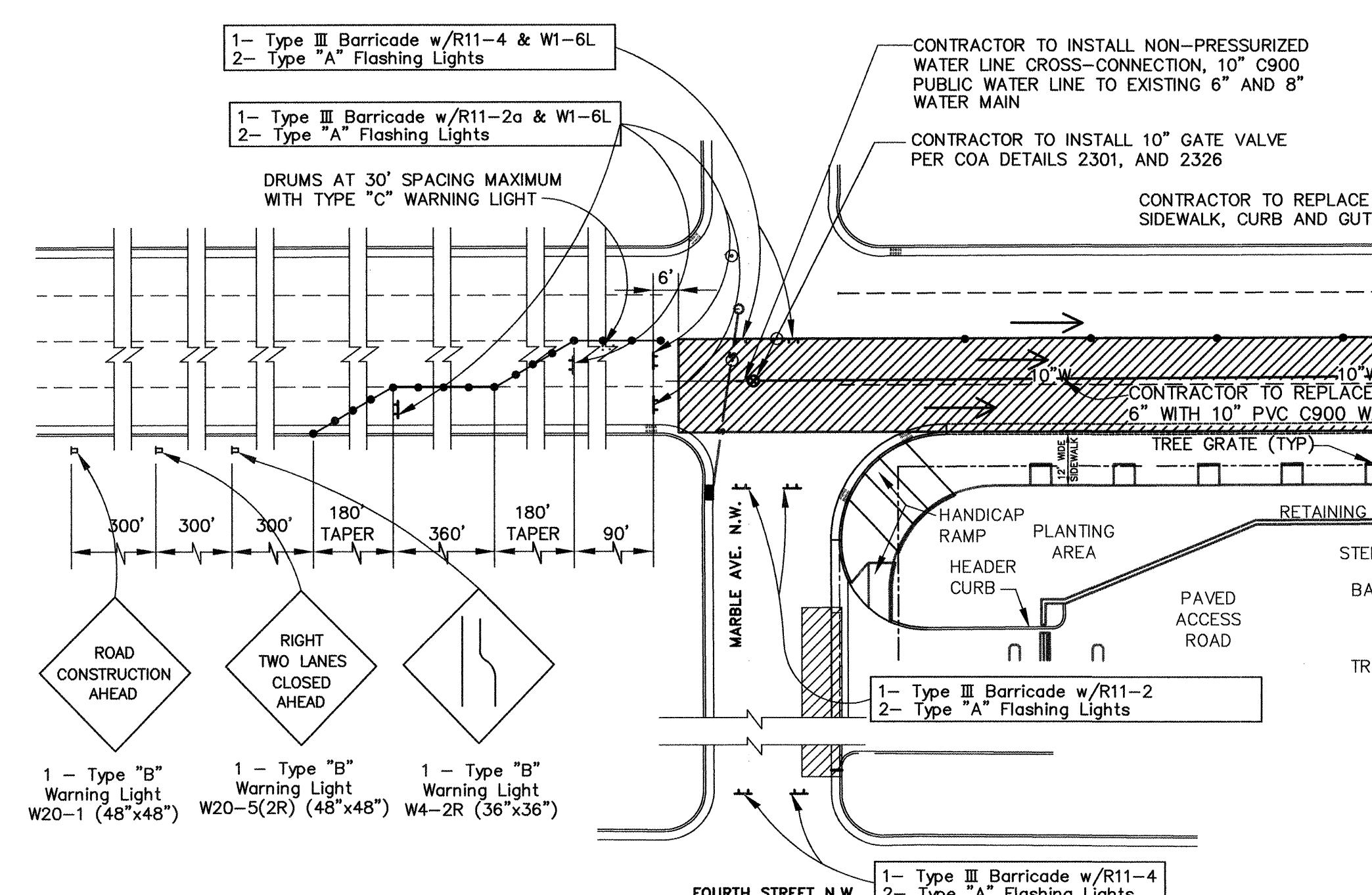


Type III Barricade  
R11-2a, W1-6L & R3-1

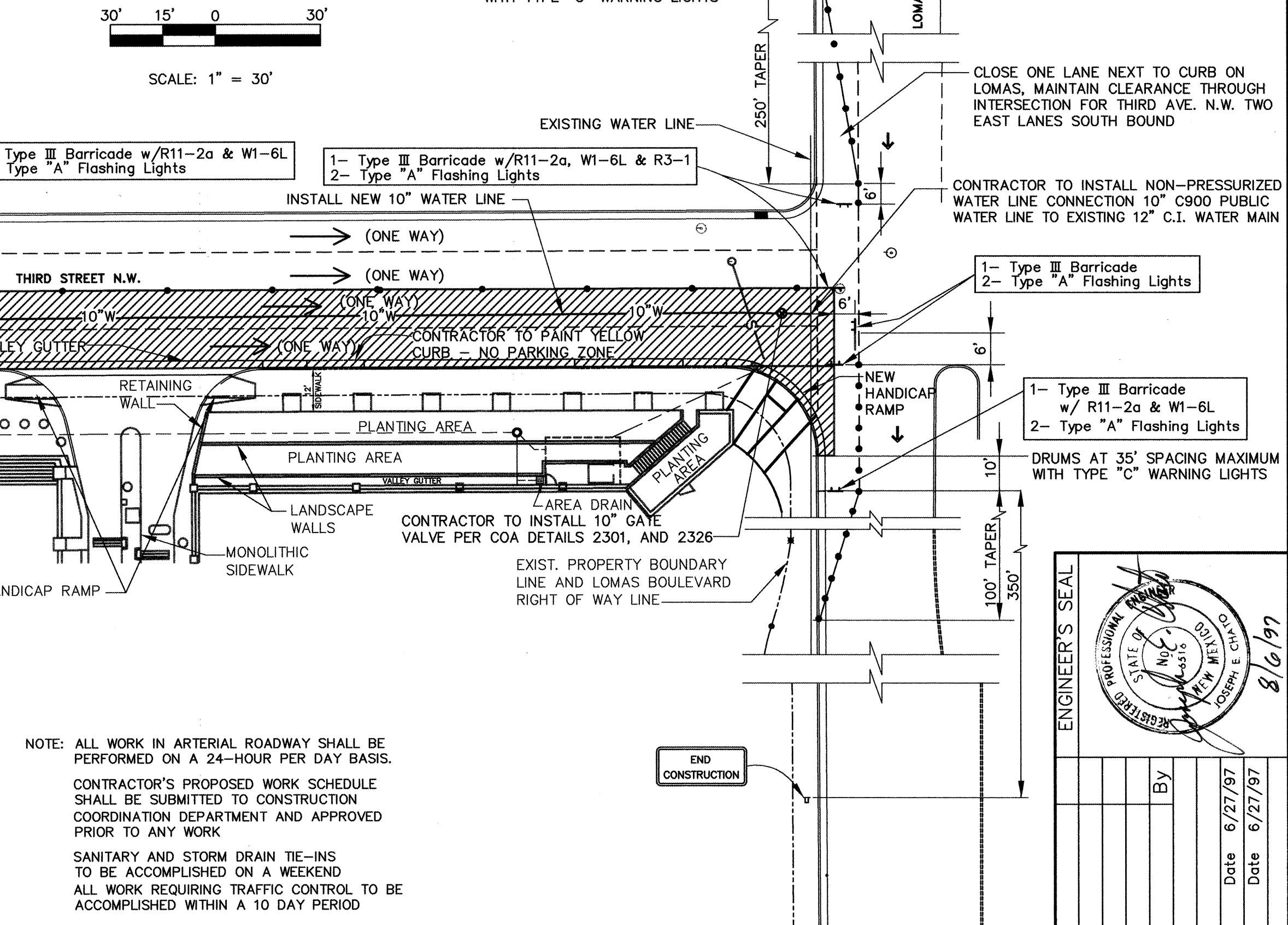
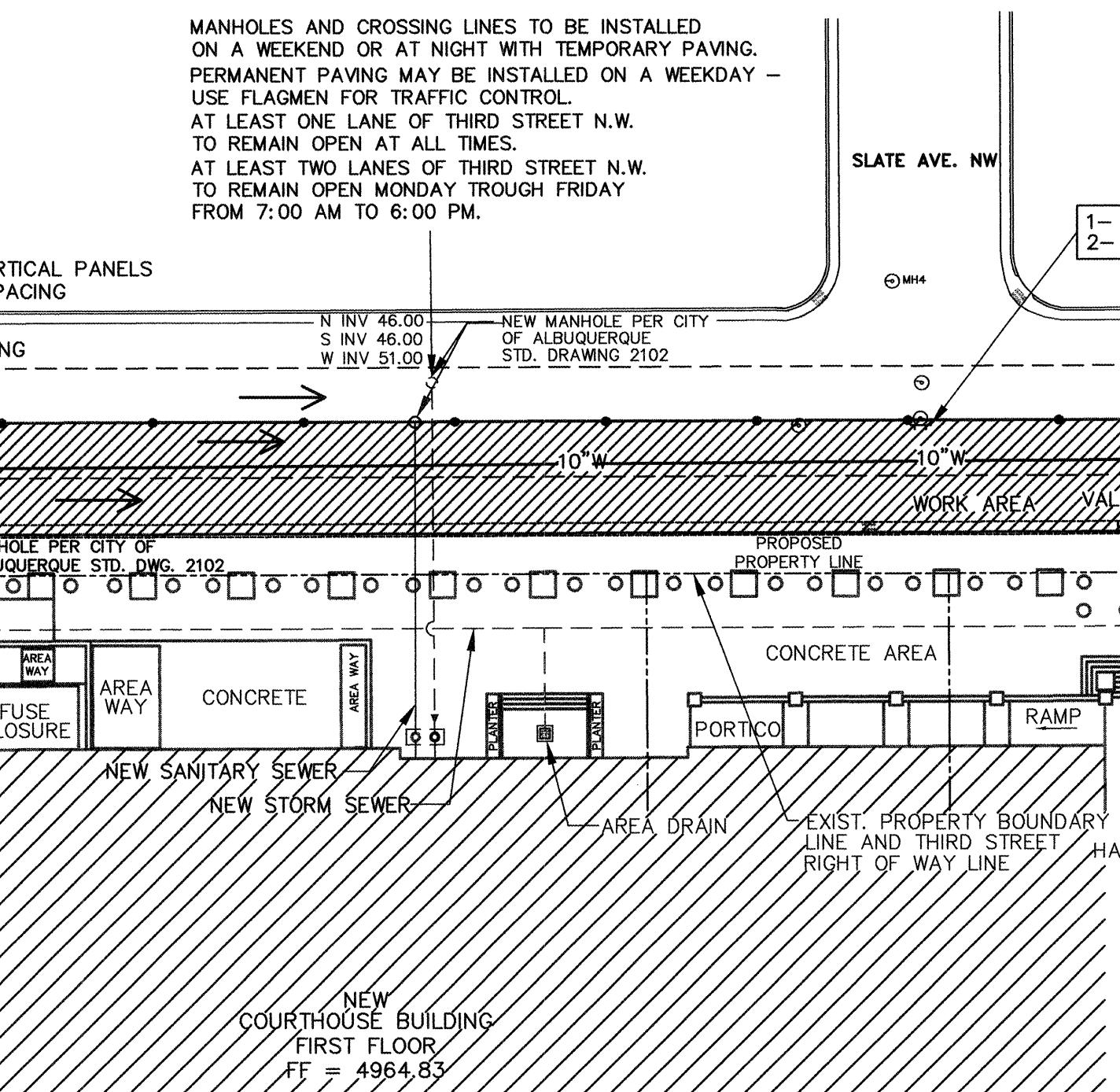


DRUMS AT 35' SPACING MAXIMUM  
WITH TYPE "C" WARNING LIGHTS

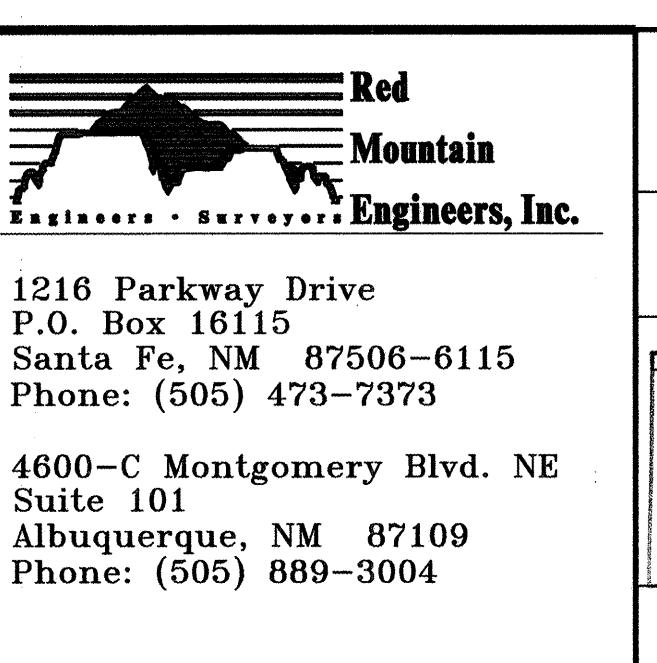
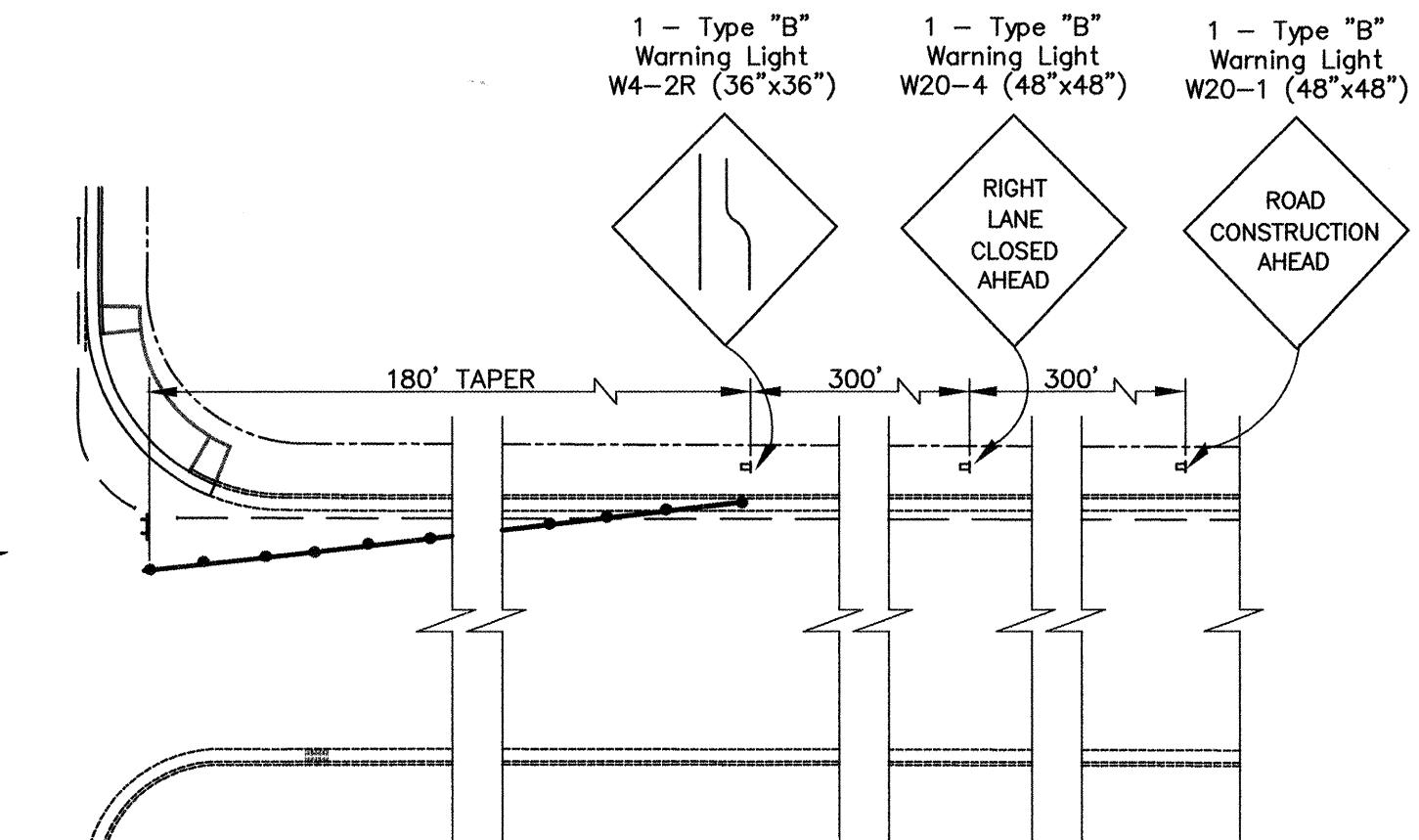
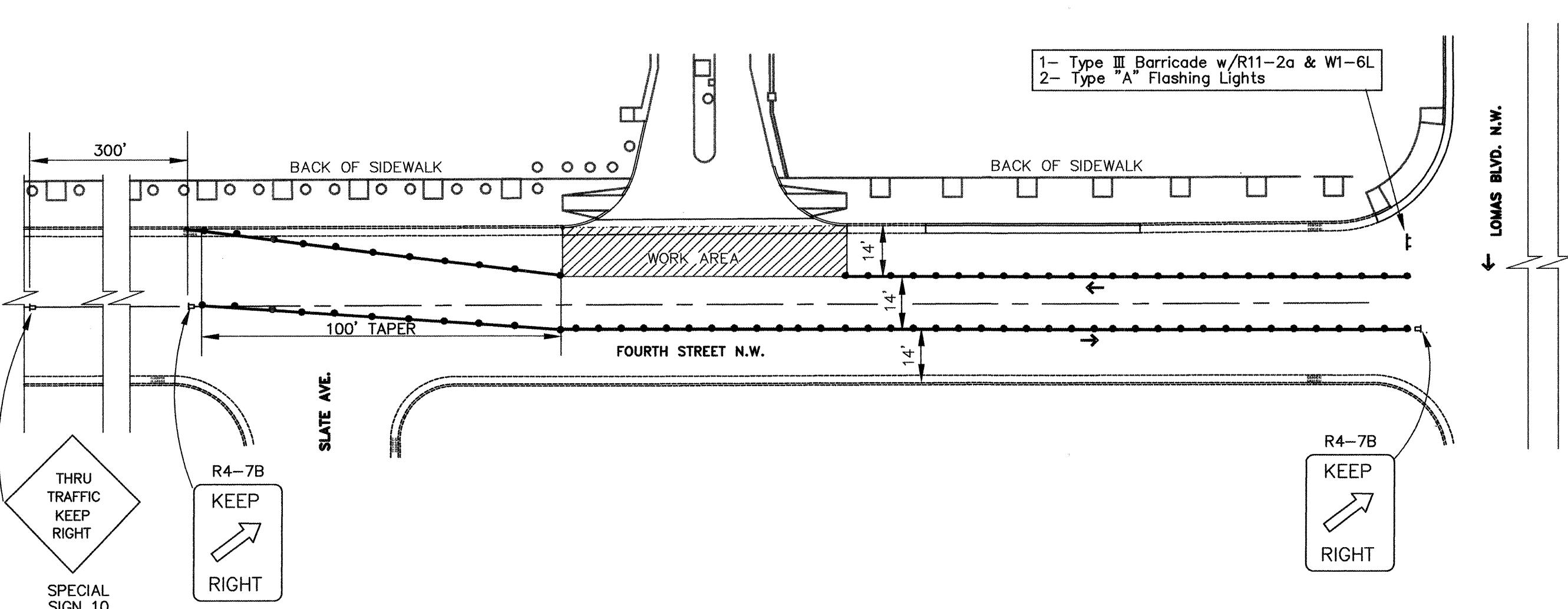
 CLOSE ONE LANE NEXT TO CURB ON  
LOMAS, MAINTAIN CLEARANCE THROUGH  
INTERSECTION FOR THIRD AVE. N.W. TWO  
EAST LANES SOUTH BOUND



MANHOLES AND CROSSING LINES TO BE INSTALLED  
ON A WEEKEND OR AT NIGHT WITH TEMPORARY PAVING.  
PERMANENT PAVING MAY BE INSTALLED ON A WEEKDAY —  
USE FLAGMEN FOR TRAFFIC CONTROL.  
AT LEAST ONE LANE OF THIRD STREET N.W.  
TO REMAIN OPEN AT ALL TIMES.  
AT LEAST TWO LANES OF THIRD STREET N.W.  
TO REMAIN OPEN MONDAY THROUGH FRIDAY  
FROM 7:00 AM TO 6:00 PM.



NOTE: ALL WORK IN ARTERIAL ROADWAY SHALL BE  
PERFORMED ON A 24-HOUR PER DAY BASIS.  
  
CONTRACTOR'S PROPOSED WORK SCHEDULE  
SHALL BE SUBMITTED TO CONSTRUCTION  
COORDINATION DEPARTMENT AND APPROVED  
PRIOR TO ANY WORK  
  
SANITARY AND STORM DRAIN TIE-INS  
TO BE ACCOMPLISHED ON A WEEKEND  
ALL WORK REQUIRING TRAFFIC CONTROL TO BE  
ACCOMPLISHED WITHIN A 10 DAY PERIOD

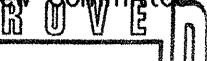


1216 Parkway Drive  
P.O. Box 16115  
Santa Fe, NM 87506-6115  
Phone: (505) 473-7373

4600-C Montgomery Blvd. NE  
Suite 101  
Albuquerque, NM 87109  
Phone: (505) 889-3004

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TRAFFIC CONTROL PLAN

 <p>Design Review Committee APPROVED SEP - 9 1997 DESIGN REVIEW COMMITTEE</p>	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.