

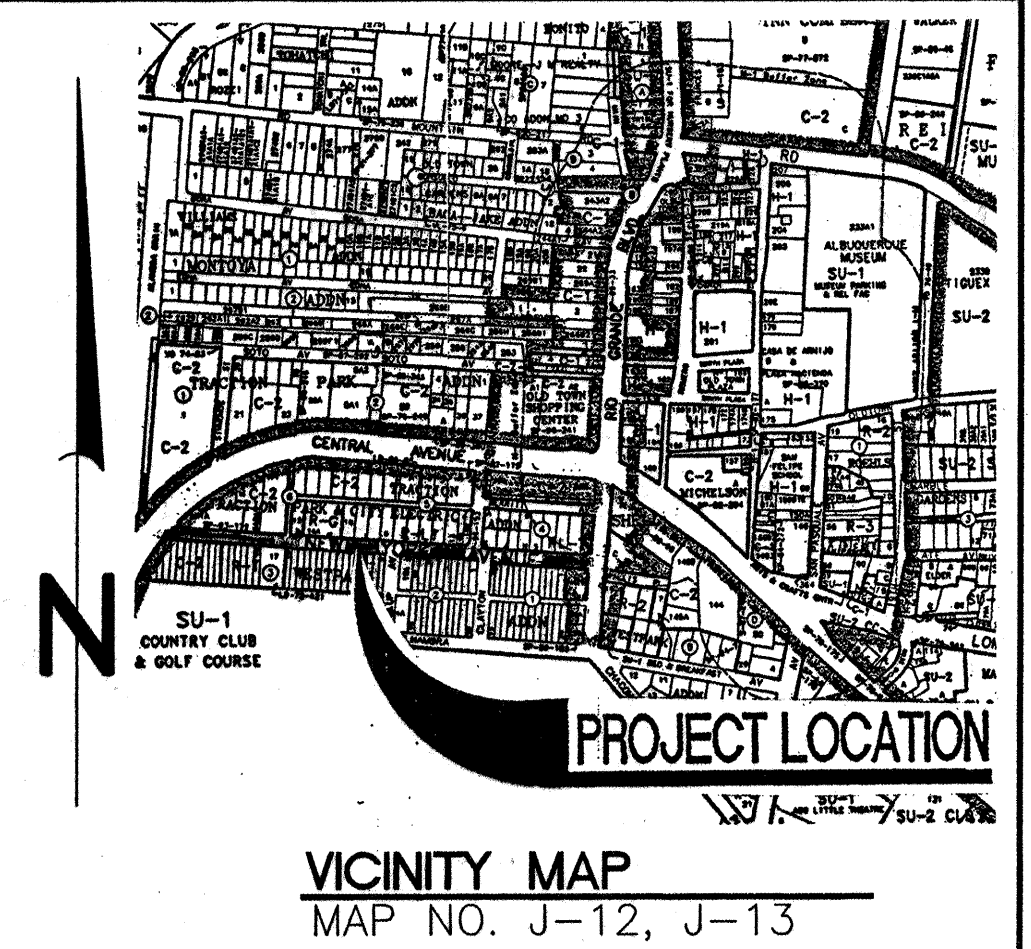


CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

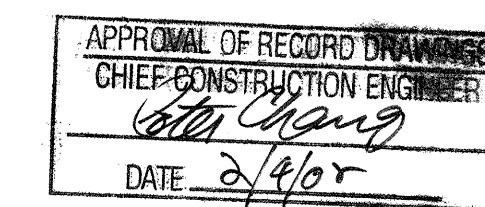
NEW YORK AVE. FORCE MAIN  
(CENTRAL AVE TO RIO GRANDE BLVD)

DRAWING LIST

- 1 TITLE SHEET
- 2 GENERAL NOTES, LEGEND AND DETAILS
- 3 PLAN AND PROFILE STA 10+18 TO STA 19+50
- 4 PLAN AND PROFILE STA 19+50 TO STA 28+24
- 5 SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
- 6 TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)



SCANNED BY  
MESA REPRO



**HN**  
**Holmes & Narver**  
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ALBUQUERQUE, NM 87110

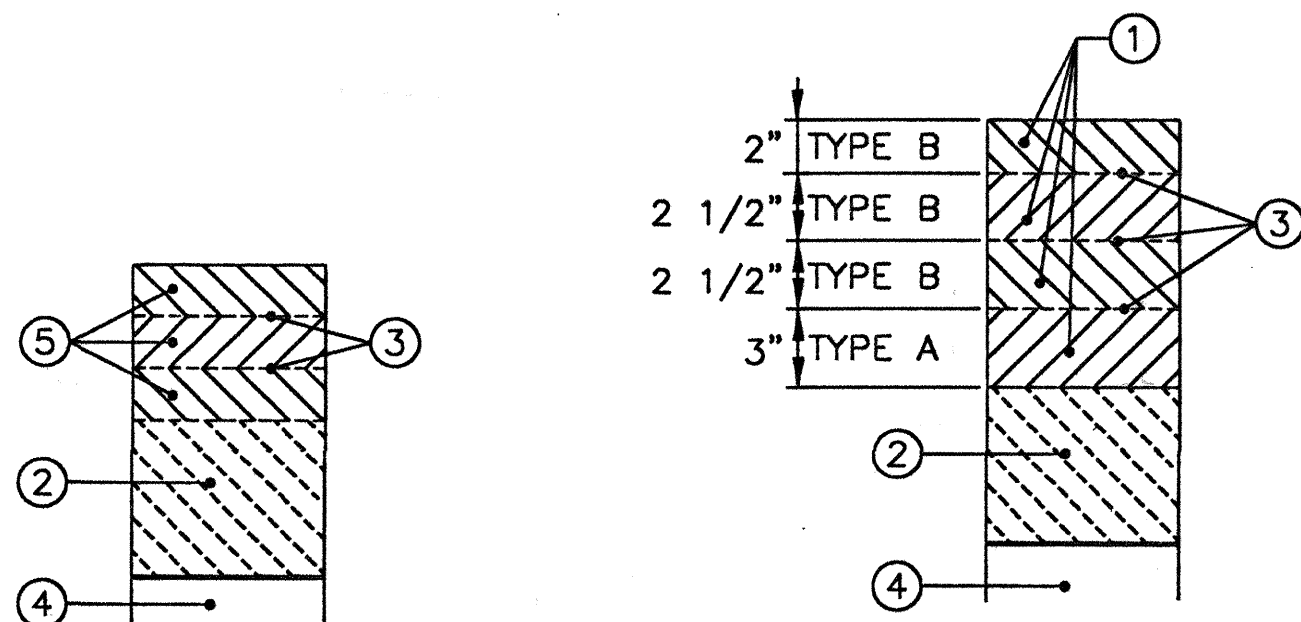
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman	<i>K. B. De</i>		6-29-00	APPROVED FOR CONSTRUCTION	
		Transportation	<i>W. S. De</i>		6-29-00		
		Water/Wastewater	<i>W. S. De</i>		6-29-00		
		Hydrology	<i>J. R. De</i>		6-29-00		
		Parks					
		Constr. Mngmt.				<i>J. O. Aguirre</i> 6/29/00 City Engineer Date	
		Constr. Coord.	<i>K. B. De</i>		6-29-00		
		City Project No.				Sheet	Of
			634791			1	6



GENERAL NOTES

- ALL WORK DETAILED ON THESE DRAWINGS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED THROUGH UPDATES NO. 6, HEREBY REFERRED TO AS THE SPECIFICATIONS. REFERENCES MADE TO STANDARD DRAWINGS IMPLY THAT SECTION OF THE SPECIFICATIONS, WHICH INCLUDES MISCELLANEOUS STANDARD DETAILS.
- LOCATION OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PERTINENT UTILITIES IN THE FIELD. CALL ONE CALL SYSTEM, INC. AT 260-1990 TWO WORKING DAYS BEFORE ANY EXCAVATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET, AS PER COA STANDARDS.
- ALL PAVEMENT MARKINGS OR OTHER TRAFFIC CONTROL DEVICES INCLUDING TRAFFIC SIGNAL CONDUIT, ADVERSELY AFFECTED BY CONSTRUCTION SHALL BE REPLACED IN PRE-CONSTRUCTION CONDITION. THESE COSTS SHALL BE INCIDENTAL TO THE PROJECT UNLESS OTHERWISE INCLUDED IN BID ITEMS.
- CONTRACTOR SHALL COORDINATE WITH PNM (JIM VANN - 848-3426) WHERE LIP OF TRENCH IS LESS THAN 5' TO POWER POLE. COSTS ASSOCIATED WITH SUPPORT OF EXISTING POLES SHALL BE INCIDENTAL TO THE PROJECT.
- CONTRACTOR SHALL BE CHARGED BY PNM FOR ANY DAMAGE TO PNM CABLES AND FOR SUPPORTING OR MINOR RELOCATIONS OF CABLES DURING CONSTRUCTION. THESE COSTS SHALL BE INCIDENTAL TO THE PROJECT.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- STATIONING IS BASED ON CENTERLINE OF NEW FORCE MAIN.
- CONTRACTOR SHALL COORDINATE WITH THE GAS COMPANY OF NEW MEXICO (241-7752) TWO WEEKS PRIOR TO NEEDING A GAS LINE SEGMENT RELOCATED.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS.
- CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- THE MAXIMUM LENGTH OF OPEN TRENCH SHALL BE 300 FEET.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES.
- ALL CONCRETE BLOCKING SHALL BE PER CITY OF ALBUQUERQUE STANDARD DRAWING 2320.
- PARALLEL WATER AND SEWER LINES SHALL BE LAID AT LEAST 10 FEET APART HORIZONTALLY AND THE WATERLINE SHOULD BE AT A HIGHER ELEVATION THAN THE SEWER.
- WHEN WATERLINE AND SEWER LINES CROSS EACH OTHER, THE WATERLINE SHALL BE AT LEAST EIGHTEEN (18) INCHES ABOVE THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINT WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATERLINE JOINTS.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- REQUESTS FOR EXCAVATION AND/OR BARRICADE PERMITS MAY BE DELAYED OR DENIED DUE TO OTHER ON-GOING PROJECTS.
- LANE CLOSURES ON CENTRAL AVE. PER THE REQUIREMENTS OF THIS PROJECT SHALL LAST NO MORE THAN THREE DAYS TOTAL.



RESIDENTIAL PAVING SECTION  
(BITUMINOUS) \*

ARTERIAL PAVING SECTION  
(BITUMINOUS) \*

DETAIL  
SCALE: NONE

DETAIL  
SCALE: NONE

\* PAVEMENT SECTION IS BASED ON LIMITED POT HOLE INFORMATION. REPLACE THE PAVEMENT TO MATCH EXISTING THICKNESS.

LEGEND

EXISTING	NEW	DESCRIPTION
— 21" SD —	— 12" FM —	FORCE MAIN
— 40" W — ST —		STORM DRAIN
— 2" G — MP —		MANHOLE — STORM DRAIN
— 8" SAS VCP —		DROP INLET — STORM DRAIN
		WATERLINE
		WATER VALVE
		WATER METER
		GAS LINE
		SANITARY SEWER
		MANHOLE — SANITARY SEWER
		CURB AND GUTTER

PAVING NOTES:

- 4 LIFTS OF 1800 LB ASPHALT CONCRETE AS SHOWN.
- 12" SCARIFIED AND COMPACTED SUBGRADE 95% MINIMUM COMPACTION, AT OPT MOISTURE  $\pm 2.0\%$ , ASTM D1557, OR OPT MOISTURE TO  $+4\%$ , ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE.
- TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS. FINISH SURFACE OF SUBGRADE, AGGREGATE BASE COURSE, AND/OR CEMENT TREATED BASE SHALL BE MOISTURE-CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACING. COMPLETED SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.
- 90% MINIMUM COMPACTION.
- 3 LIFTS OF 2" ASPHALT CONCRETE 1800 LBS., TYPE B GRADATION.

LENGTH OF RESTRAINED PIPE (FEET)						
PIPE SIZE	90°	45°	22-1/2°	11-1/4°	TEE	VALVE
4"	21'	9'	5'	3'	21'	52'
6"	26'	11'	6'	3'	37'	74'
8"	31'	13'	7'	4'	54'	97'
10"	34'	15'	7'	4'	68'	107'
12"	52'	23'	11'	5'	72'	120'
20"	55'	23'	11'	5'	75'	133'

(1) TEE BRANCH-EACH RUN PIPE SHALL BE MINIMUM 10' W/O JOINTS.

(2) DISTANCE SHOWN IS EACH DIRECTION FOR VALVES AND BENDS.

SEE STANDARD DRAWING 2305 FOR CONCRETE CYLINDER RESTRAINED JOINT DETAIL.



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: NEW YORK AVE. FORCE MAIN

GENERAL NOTES AND LEGEND

Design/Review Committee	City Engineer Approval	Update	Mo./Day/Yr.	Mo./Day/Yr.
JUN 29 2000	JUN 29 2000			
DESIGN REVIEW COMMITTEE	CITY ENGINEER	City Engineer		
City Project No. 634791	Zone Map No. J-12, J-13	Sheet 2	Of 6	

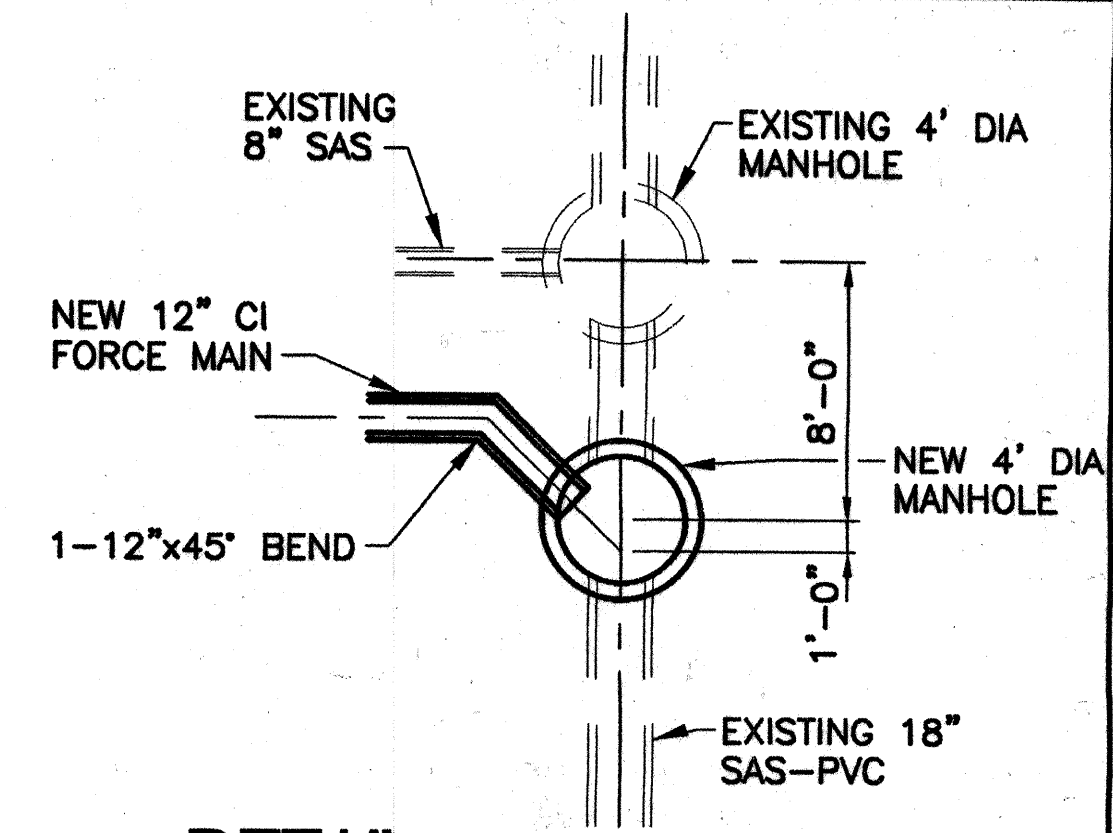
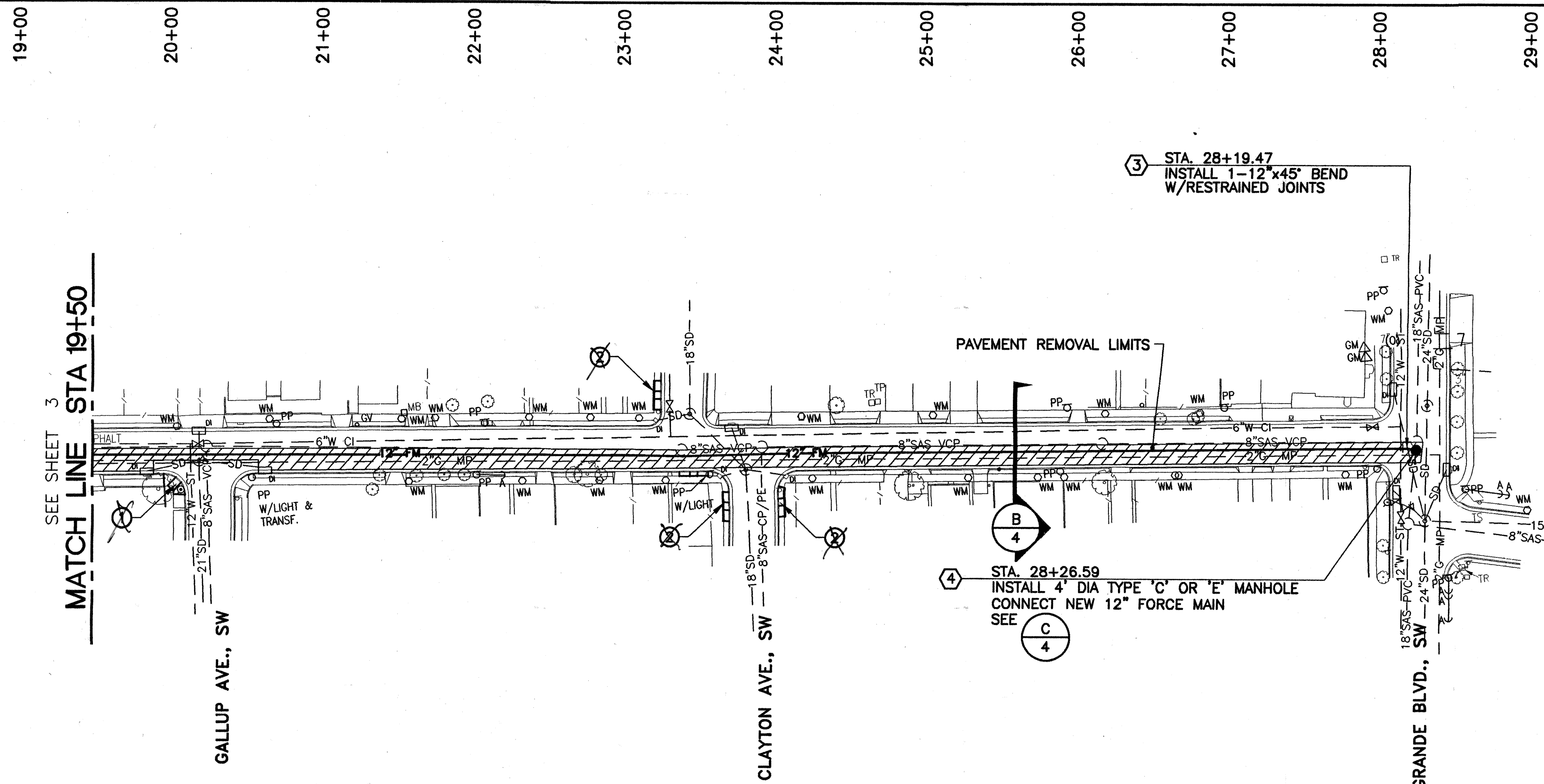






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SEE SHEET 3  
MATCH LINE STA 19+50



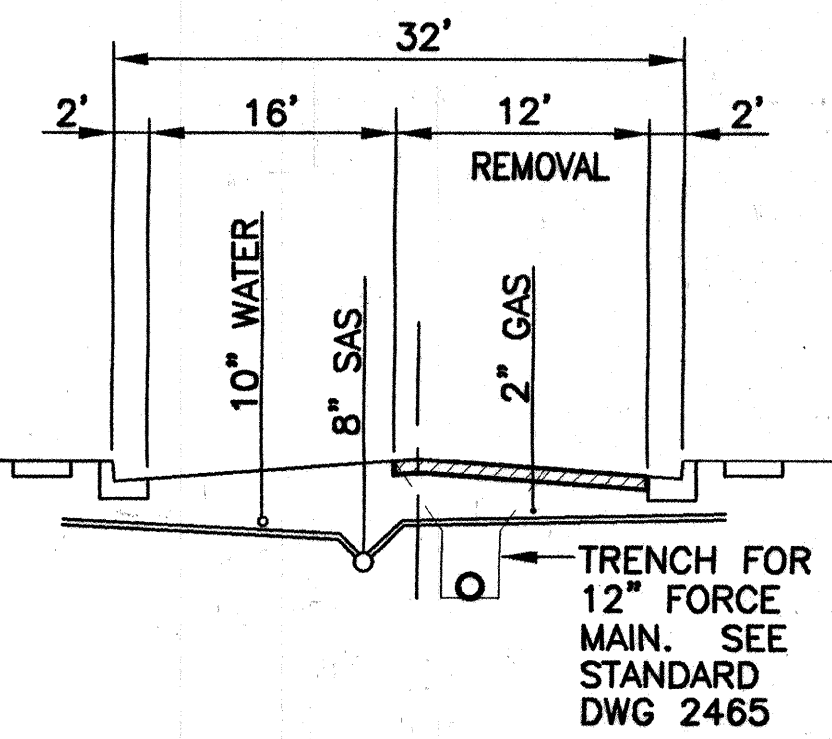
DETAIL  
SCALE: NONE

KEYED NOTES: ○

- ✗ INSTALL A WHEEL CHAIR RAMP CASE I IN ACCORDANCE WITH STANDARD DWG 2441 (MODIFIED).
- ✗ INSTALL A WHEEL CHAIR RAMP CASE I AS SHOWN, IN ACCORDANCE WITH STANDARD DWG 2441 (MODIFIED).

COORDINATES:

	NORTHING	EASTING
③	1490235.14	374190.80
④	1490232.16	374194.32



SECTION

NOT TO SCALE

STA 20+60 TO STA 28+30



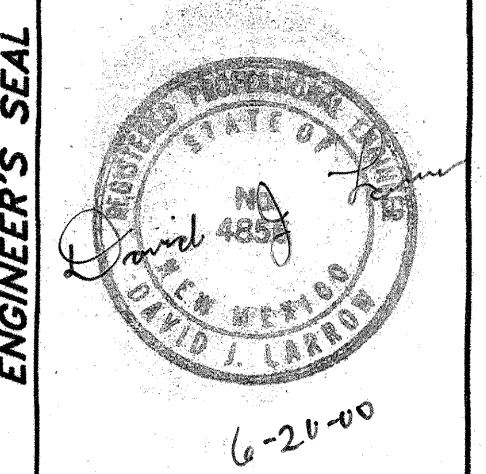
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: NEW YORK AVE. FORCE MAIN

PLAN AND PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
JUN 29 2000	JUN 29 2000		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

City Project No. 634791	Zone Map No. J-12, J-13	Sheet 4	Of 6
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NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DESIGN	
		DESIGNED BY: R.L.B.	DATE: JUNE 2000
		DRAWN BY: J.L.M.	DATE: JUNE 2000
		CHECKED BY: D.J.L.	DATE: JUNE 2000







