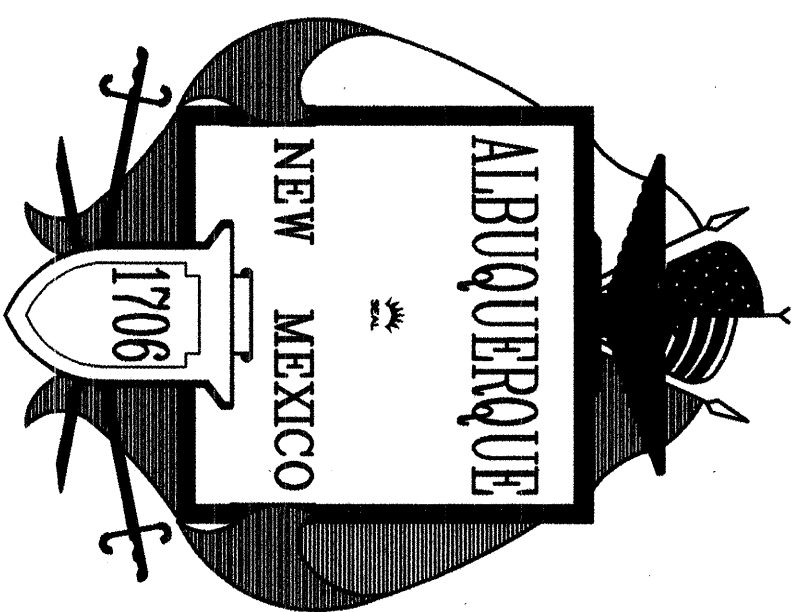


BERNALILLO COUNTY / CITY OF ALBUQUERQUE

COMPLETION AREA

BARTOLO PLACE SW

WATER & SEWER PROJECT



INDEX OF DRAWINGS

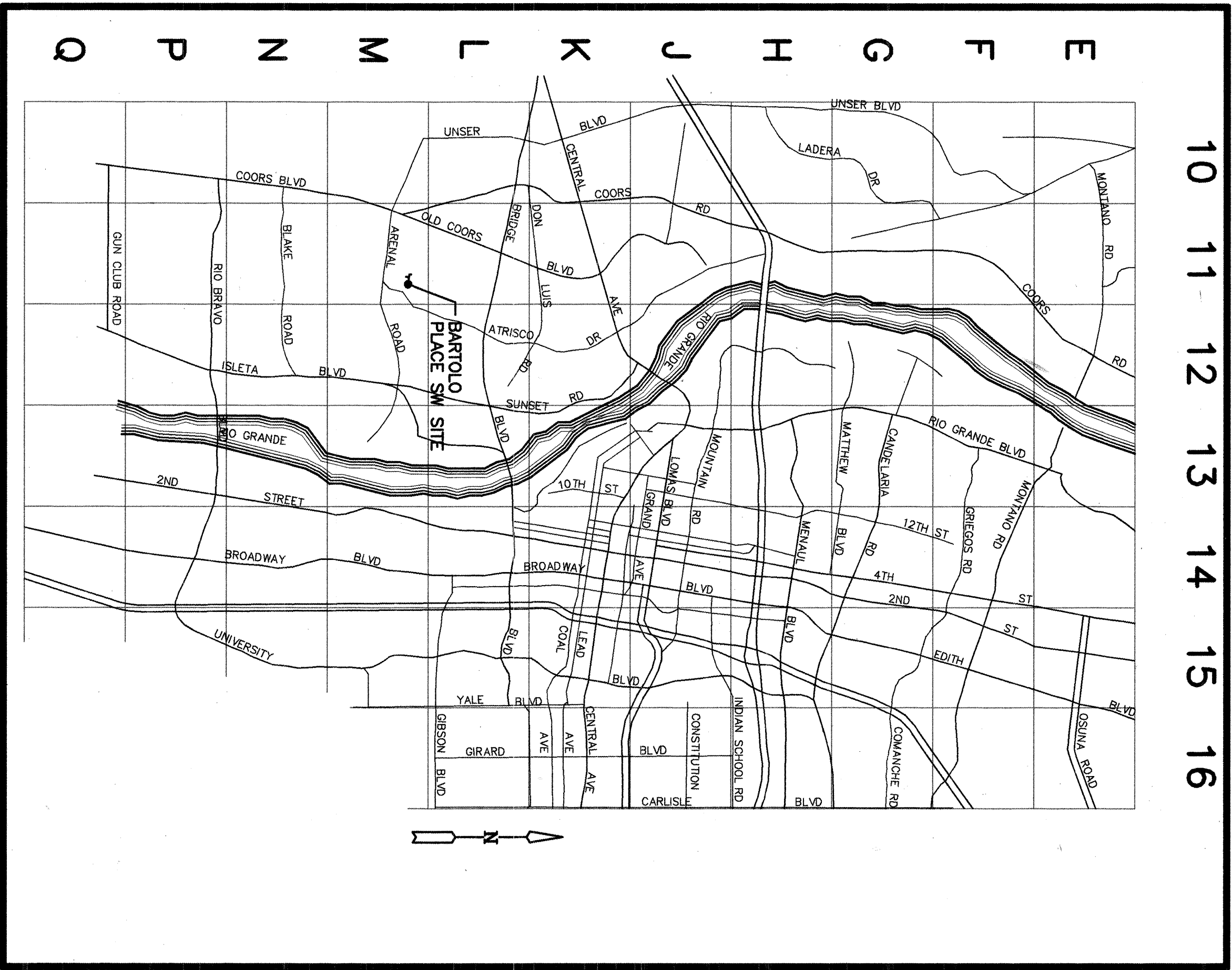
SHEET NO.	DESCRIPTION
1	COVER SHEET, INDEX OF DRAWINGS, AND LOCATION MAP
2	CIVIL ABBREVIATIONS, CIVIL LEGEND, AND GENERAL NOTES
BARTOLO PLACE SITE	
3	BARTOLO PLACE SW SHEET LAYOUT PLAN
4	BARTOLO PLACE SW STA 4+94.39 SEWER PLAN AND PROFILE
5	BARTOLO PLACE SW STA 5+40 SEWER PLAN AND PROFILE
6	BARTOLO PLACE SW STA 6+52 SEWER PLAN AND PROFILE
7	BARTOLO PLACE SW STA 4+09.98 WATER PLAN AND PROFILE
8	BARTOLO PLACE SW STA 5+40 WATER PLAN AND PROFILE
9	BARTOLO PLACE SW STA 6+62 WATER PLAN AND PROFILE
10	DETAIL SHEET
11	CONSTRUCTION TRAFFIC CONTROL DETAILS
12	CONSTRUCTION TRAFFIC CONTROL DETAILS

RECORD DRAWING

Date 08-27-03
These drawings have been reviewed based on the information submitted by the Owner. The Engineer will not be responsible for the accuracy of the information submitted by the Owner or for any errors or omissions which may appear in the record document as a result thereof.

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • INSPECTION SERVICES
500 CORRAL AVENUE, NEW SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-3150
PHONE 505.247.0234 • FAX 505.247.4848

APPROVAL OF RECORD DRAWINGS
CHIEF ENGINEER
Date: 12/18/01
T. Shoemaker

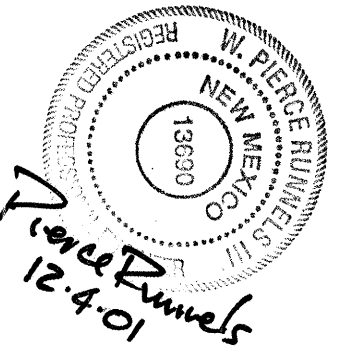


VICINITY MAP
NORTH-SOUTH VALLEY
WATER AND SEWER INFILL PROJECT
1995 - GROUP 3
SCALE: 1"=1 MILE

BERNALILLO COUNTY
APPROVED BY: *T. Shoemaker* DATE: 12/18/01

REV.	SHEET	AS BUILT	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	1	AS BUILT	5/03					

ENGINEERS STAMP & SIGNATURE



APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION
DRC Chairman	<i>T. Shoemaker</i>	2-1-02	
Transportation	N/A	12/10/01	
Water/Wastewater	<i>T. Shoemaker</i>	12/10/01	
Hydrology	N/A	12/10/01	
Parks			
Consul. Coord.	<i>T. Shoemaker</i>	2-1-02	

City Project No. 4956.94 Sheet 1 of 12

City Engineer Date 12/18/01

CIVIL LEGEND

EXISTING	PROPOSED	
NA	④	CONTROL POINT
NA	⑤	CONSTRUCTION NOTE S - SEWER W - WATER
---W-10'DIP	---W-4'TVC	WATER LINE, SIZE, AND MATERIAL
NA	---W-4'TVC	WATER LINE, SHOWN ON SEWER SHEET FOR REFERENCE ONLY, DESIGN SHOWN ON WATER SHEET
---G-1'HP	NA	GAS LINE, SIZE, AND CLASS
---E----	NA	ELECTRIC LINE
---SAS-8'VCP	---SAS-8'TVC	SANITARY SEWER LINE, SIZE, AND MATERIAL
NA	---SAS-8'TVC	SANITARY SEWER LINE, SHOWN ON WATER SHEET FOR REFERENCE ONLY, DESIGN SHOWN ON SEWER SHEET
---	---	FLOW LINE
NA	---	SLOPE
C ###	●	SANITARY SEWER MANHOLE W/ C.O.A. I.D. NO. ON EXISTING
SMH	●	VALVE W/ C.O.A. I.D. NO. ON EXISTING
###	⋈	FIRE HYDRANT W/ C.O.A. I.D. NO. ON EXISTING
###	○	CLEAN OUT
NA	○	POWER POLE
-o- PP	NA	GUY WIRE
->	NA	BUILDING
---	NA	FENCE
NA	---	SAS SERVICE
NA	---	WATER SERVICE
NA	---	DOUBLE WATER SERVICE
---	---	EASEMENT LINES
---	NA	PROPERTY LINES
NA	B	NEW WATER VALVE I.D.
TTTTTTTTT	TTTTTTTTT	PAVEMENT

CIVIL ABBREVIATIONS

ANG	ANGLE
AC	ASPHALTIC CONCRETE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BOT	BOTTOM
BOA	BOTTOM OF ALBUQUERQUE
DB	DEPTH OF BURT TO TOP OF PIPE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DIMENSION RATIO
EL	ELEVATION
EW	EACH WAY
FT	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
INV	INVERT
L	LENGTH
LI	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MON	MONUMENT
NA	NOT APPLICABLE
NAVD	NORTH AMERICAN VERTICAL DATUM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
P	POINT OF INTERSECTION
PS	PROFESSIONAL SURVEYOR
REBAR	REINFORCEMENT BAR
RT	RIGHT
SAS	SANITARY SEWER
SDR	STANDARD DIMENSION RATIO
SLD	SEA LEVEL DATUM
STA	STATION
TP	TOP OF PIPE
VCP	VERTICAL CLAY PIPE
VERT	VERTICAL
WL	WATER LINE
W	WATER

TRAFFIC CONTROL GENERAL NOTES

- PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE No. 98-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1500 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL MANAGER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH NOTED REQUIREMENTS AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.
- A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR, REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL MANAGER UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT OR THE BERNALILLO COUNTY TRAFFIC CONTROL MANAGER.
- CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: HOSS FOSTER.
- THE CONTRACTOR SHALL FILE WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL MANAGER DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.
- SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC ON ALL AFFECTED ROADS. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
- TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.

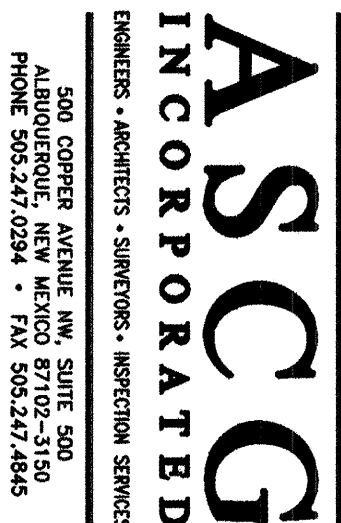
GENERAL NOTES

- THE BEARINGS SHOWN ARE GRID, BASED ON THE NEW MEXICO COORDINATE SYSTEM, CENTRAL ZONE. DISTANCES SHOWN ARE GROUND, COMBINED SEA LEVEL AND GRID FACTOR IS 0.99976. ELEVATIONS ARE SLD 1929 DATUM.
- THE RIGHT-OF-WAY LINES, EASEMENT LINES, AND PROPERTY BOUNDARY LINES SHOWN HEREIN ARE NOT BASED ON BOUNDARY SURVEYS. THEY WERE DEVELOPED BY REFERENCING RECORDED AND UNRECORDED MAPS AND FITTING THE MAPS TO FIELD CONDITIONS. APPARENT PROPERTY CORNER MONUMENTS ARE SHOWN FOR ORIENTATION ONLY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CITY OF ALBUQUERQUE CONTRACT, SHALL (EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON) BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1966 EDITION, INCLUDING ANY AMENDMENTS ISSUED PRIOR TO BIDDING (REFERRED TO HEREIN AS THE C.O.A. STD. SPECS.).
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, (505)260-1990, FOR LOCATION OF EXISTING UTILITIES.
- THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON WERE DEVELOPED FROM RECORD DRAWINGS AND ARE APPROXIMATE.
- 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 ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- NUMBERING OF EXISTING WATER VALVES, FIRE HYDRANTS AND SEWER MANHOLES IS PER C.O.A. AUTOMATED WATER AND SEWER DISTRIBUTION SECTIONAL MAPS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION TRAFFIC CONTROL. UNLESS A SPECIFIC TRAFFIC CONTROL PLAN IS PROVIDED FOR THE PROPOSED WORK, THE CONTRACTOR SHALL SUBMIT A BARRICADE PLAN FOR APPROVAL AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION. THE TRAFFIC CONTROL FOR THESE PROJECTS SHALL MEET THE REQUIREMENTS SET FORTH IN BERNALILLO COUNTY BARRICADE AND TRAFFIC CONTROL DEVICES ORDINANCE, (95-12). PERMITS MAY BE REQUIRED. CONTACT THE COUNTY TRAFFIC ENGINEERING MANAGER'S OFFICE FOR APPROVAL. (505)848-1543.
- THE CONTRACTOR SHALL PROVIDE FOR AND PERMIT ACCESS TO EACH PROPERTY FRONTING ON EACH CONSTRUCTION SITE AT ALL TIMES.
- PAVEMENT CUT DIMENSIONS ARE ENGINEER'S ESTIMATE. TO BE USED FOR ESTIMATING PURPOSES ONLY.
- WATER SHUTOFF MUST BE COORDINATED WITH "CITY WATER SYSTEMS" (505)857-8200 AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION. EXISTING VALVES MAY ONLY BE OPERATED BY CITY PERSONNEL.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

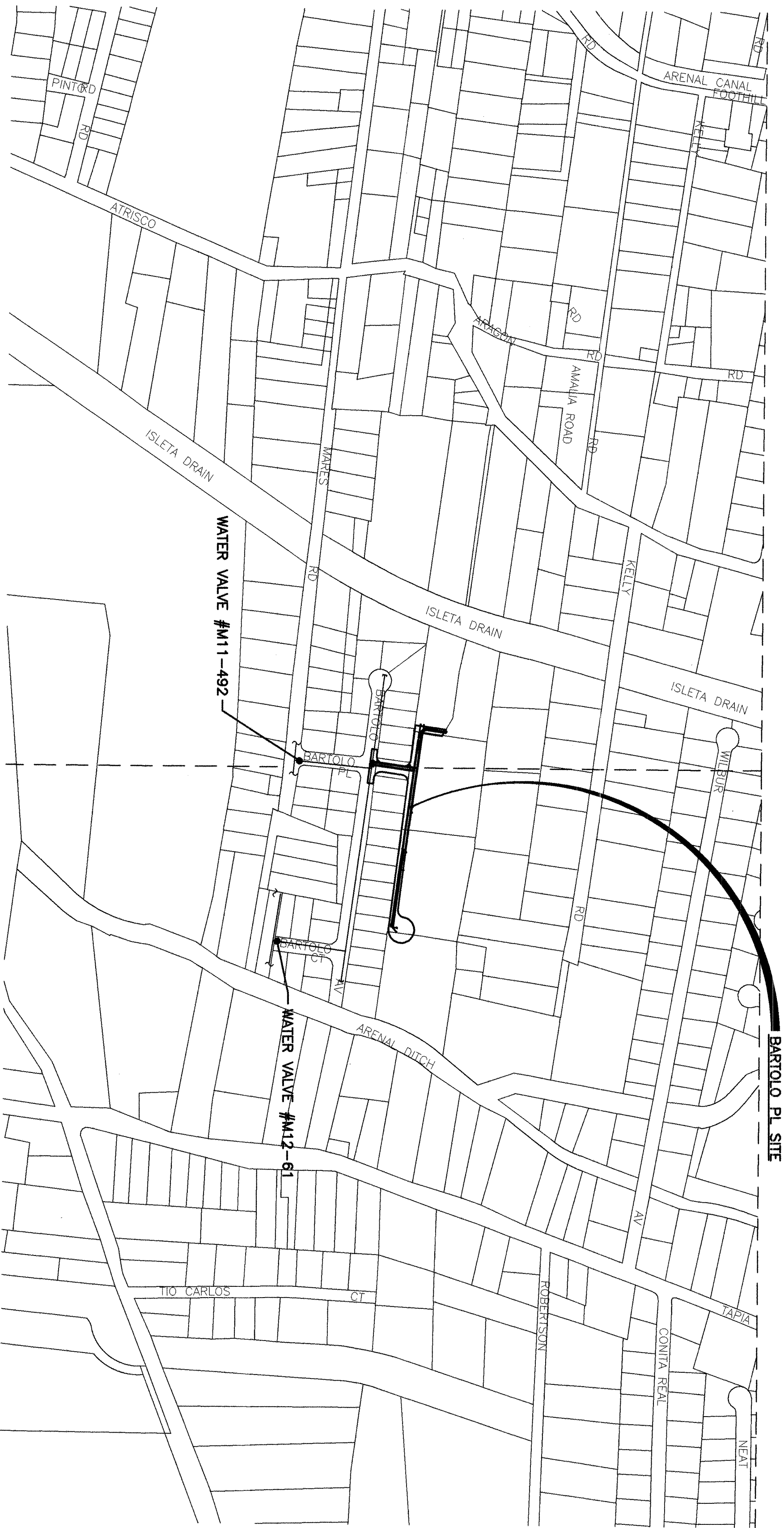
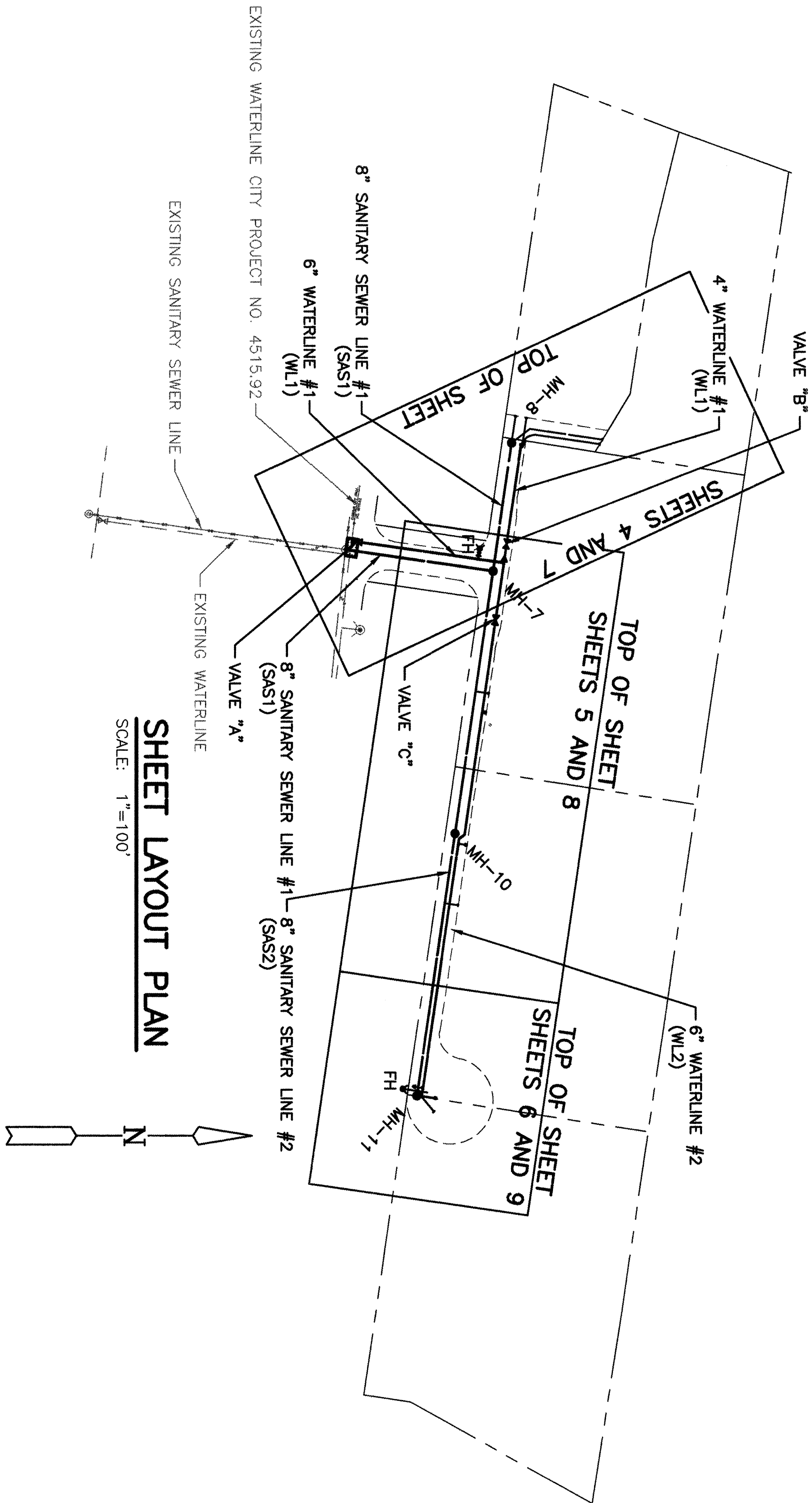
RECORD DRAWING

Date 05-27-03

These drawings have been revised based on the construction records of the owner. The Engineer will be assumed to be solely responsible for the accuracy of the information not for errors or omissions. The Engineer will be assumed to be solely responsible for the accuracy of the information not for errors or omissions. The Engineer will be assumed to be solely responsible for the accuracy of the information not for errors or omissions.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT CIVIL ABBREVIATIONS, CIVIL LEGEND, AND GENERAL NOTES	
Design Review Committee JUL - 1 2002	City Engineer Approval JUL - 1 2002
REVIEW COMMITTEE	CITY ENGINEER
Last Design Update	Mo./Day/Yr.
City Project No.	Zone Map No.
4956.94	M11/12
Sheet	2
Of	12



WATER VALVE SHUT-OFF PLAN

1. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (857-8200) 5 DAYS IN ADVANCE OF NEEDING EXECUTION OF THIS SHUT-OFF PLAN.
2. CLOSE VALVES M11-492 AND M12-61.

VALVE M11-492 IS A 6 INCH GATE VALVE LOCATED IN THE 6 INCH WATERLINE ON THE EAST SIDE OF BARTOLO PLACE AT THE INTERSECTION OF BARTOLO PLACE AND MARES AVENUE. THIS VALVE IS IN ZONE M11.

VALVE M12-61 IS A 6 INCH GATE VALVE LOCATED IN THE 6 INCH WATERLINE ON THE WEST SIDE OF BARTOLO COURT. THIS VALVE IS APPROXIMATELY 250 FEET SOUTH OF THE INTERSECTION OF BARTOLO AVENUE AND BARTOLO COURT. THIS VALVE IS IN ZONE M12.

AFTER INSTALLATION OF NEW WATERLINE CONNECTION AND NEW 6 INCH GATE VALVE "A", CLOSE VALVE "A".

3. OPEN VALVES M11-492 AND M12-61.
4. INSTALL NEW WATERLINE PER PLANS AND OPEN VALVES "B", AND "C". (SEE SHEETS 13 THROUGH 15)
5. AFTER COMPLETION OF NEW WATERLINE OPEN NEW GATE VALVE "A".
6. NOTE: ONLY CITY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE EXISTING VALVES.

TRAFFIC CONTROL PLAN

USE BARRICADES AND TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH PART IV OF THE FHWA MUTCD AND THE GUIDELINES OF THE ATSSA AS NECESSARY TO PROVIDE ONE LANE OR SUFFICIENT DETOUR ROUTE FOR LOCAL TRAFFIC AT ALL TIMES. PROVIDE ACCESS TO ALL DRIVEMANS WHEN NOT WORKING.

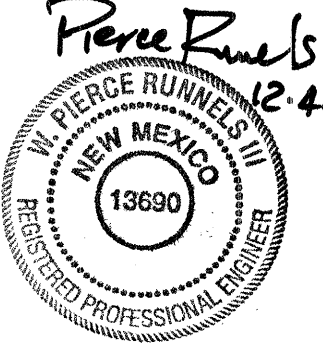
BASIS OF STATIONING

1. WATERLINE AND SANITARY SEWER LINE STATIONING ARE UNIQUE TO EACH UTILITY.

RECORD DRAWING

Date **05-27-03**
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500 CORNER ALBUQUERQUE BLVD. SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-1510
PHONE 505.247.0294 • FAX 505.247.4845

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION
		FIELD NOTES		BASIS OF COORDINATES FOR THIS SITE ARE CITY OF ALBUQUERQUE CONTROL STATIONS: "13-L12-R"-LAT 35°03'40" LONG 106°41'03" "7-M12": LAT 35°03'26" LONG 106°41'09" BASIS OF ELEVATIONS FOR THIS SITE ARE CITY OF ALBUQUERQUE BENCH MARK: "7-M12" ELEVATION = 4938.70 (REFERENCE NAD 83 DATUM 1929)	CONTRACTOR
		NO.	BY	DATE	WORK SHAKED BY
NO.		DATE	REMARKS	BY	INSPECTOR'S ACCEPTANCE BY
ASCG, INC.		DESIGNED BY K JACOBSEN		DATE 11-26-01	DATE
DRAWN BY L SISNEROS		DATE 11-26-01		DATE	DATE
CHECKED BY P RUNNELS		DATE 11-26-01		DATE	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
BARTOLO PLACE SW
SHEET LAYOUT PLAN

Design-Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN REVIEW COMMITTEE	CITY ENGINEER	11 - 1 2002	11 - 1 2003
City Project No.	Zone Map No.	Sheet	Of
4956.94	M11/12	3	12

Station	1+00	2+00	3+00	4+00	5+00
4938					
4936					
4934					
4932					
4930					
4928					
4926					
4924					
4922					
4920					

SAS1 STA 1+00.00
 EXIST RIM=35.43
 EXIST 8" INV=27.77
 N 8" INV=27.82

SAS1 STA 2+55.39 =
 SAS2 STA 1+00.00
 RIM=4935.20
 S 8" INV=4928.75
 E 8" INV=4928.80
 W 8" INV=4928.80

SAS1 STA 3+90.39
 RIM=4934.73
 E 8" INV=4929.66
 W 4" INV=4929.77
 NW 4" INV=4929.77

EXISTING GRADE FINISH GRADE BY OTHERS
 6" TRP.
 FINISH GRADE THIS PROJECT
 6" PVC WATERLINE, SEE SHEET Z
 MH-7
 MAKE SMOOTH DRIVEABLE TRANSITION
 EXISTING GRADE AND FINISH GRADE THIS PROJECT
 4" PVC WATERLINE, SEE SHEET Z
 MH-8
 155.39LF 8" PVC (SDR 35) SAS S=0.006 FT/FT
 135.00LF 8" PVC (SDR 35) SAS S=0.006 FT/FT
 100.00LF 4" SAS LATERAL S=0.010 FT/FT
 INV. 4930.77

S5.1 GRAVITY WET CONNECTION - CORE DRILL INTO EXISTING MANHOLE, REMOVE EXISTING FLOWLINE AND BENCHES, CONNECT 8" PVC TO MANHOLE. CONSTRUCT SMOOTH FLOWLINE TRANSITION WITH WELL FORMED BENCHES. (C.O.A. STD. DWG. 2101 - AS APPLICABLE)

S11 8" SEWER - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465)
SEE SHEET 10, DETAIL 2.

S17.1 SHALLOW MANHOLE - CONSTRUCT 4" DIAMETER TYPE "C" MANHOLE. (C.O.A. STD. DWG. 2101)

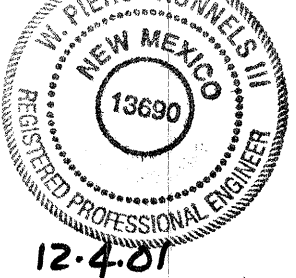
S17.2 MANHOLE - CONSTRUCT 4" DIAMETER TYPE "E" MANHOLE. (C.O.A. STD. DWG. 2102)

S19.1 SEWER SERVICE - TAP INTO 8" PVC SEWER AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2125)

S19.2 MANHOLE SERVICE - DRILL INTO MANHOLE AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2189)

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES			BASIS OF COORDINATES FOR THIS SITE ARE		CONTRACTOR	
NO.	BY	DATE	CITY OF ALBUQUERQUE CONTROL STATIONS:		WORK	DATE
			"13-L12-R"-LAT 35°03'40" LONG 16°41'03"		INSPECTOR'S	DATE
			"7-M12": LAT 35°03'26" LONG 106°41'09"		ACCEPTANCE BY	DATE
			BASIS OF ELEVATIONS FOR THIS SITE ARE		FIELD	DATE
			CITY OF ALBUQUERQUE BENCH MARK:		VERIFICATION BY	DATE
			"7-M12" ELEVATION = 4938.70		DRAWINGS	DATE
			(REFERENCE NAD DATUM 1929)		CORRECTED BY	DATE
					MICRO-FILM INFORMATION	
					RECORDED BY	DATE
					NO.	

Pierce Funnels



12.4.01

ENGINEER'S SEAL

PI	POINT	NORTHING	EASTING
#	DESCRIPTION		
1	FOUND #4 REBAR	145888.89	367916.79
2	FOUND #4 REBAR	147600.87	367934.03
3	FOUND #4 REBAR	147600.87	367912.58
4	REBAR W/ CAP P.S.10464	1476028.82	367912.58

ASCG
INCORPORATED

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500 COPPER AVENUE NW, SUITE 500
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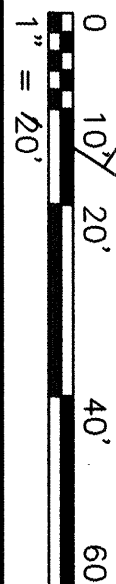
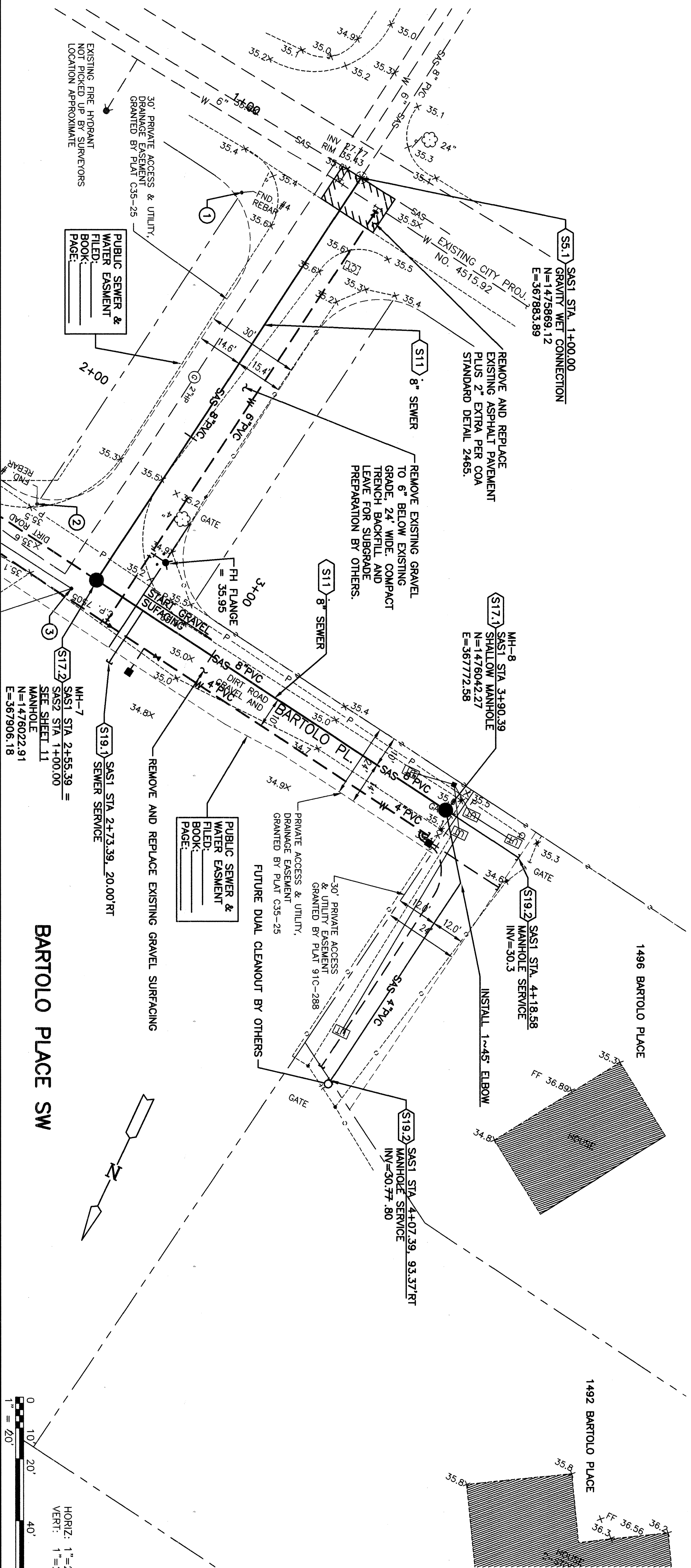
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
SEWERING DEVELOPMENT GROUP

**TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
BARTOLO PLACE SW**

Design Review Committee	City Engineer Approval	2	Mo./Day/Yr.	Mo.

DESIGN REVIEW COMMITTEE CITY ENGINEER

City Project No. **4956.94** Zone Map No. **M11/12** Sheet **4** Of **12**



CONSTRUCTION NOTES

- S5.1 GRAVITY WET CONNECTION - CORE DRILL INTO EXISTING MANHOLE. REMOVE EXISTING FLOWLINE AND BENCHES. CONNECT 8" PVC TO MANHOLE. CONSTRUCT SMOOTH FLOWLINE TRANSITION WITH WELL FORMED BENCHES. (C.O.A. STD. DWG. 2101 - AS APPLICABLE)
- S11 8" SEWER - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2
- S17.1 SHALLOW MANHOLE - CONSTRUCT 4" DIAMETER TYPE "C" MANHOLE. (C.O.A. STD. DWG. 2101)
- S17.2 MANHOLE - CONSTRUCT 4" DIAMETER TYPE "E" MANHOLE. (C.O.A. STD. DWG. 2102)
- S19.1 SEWER SERVICE - TAP INTO 8" PVC SEWER AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2125)
- S19.2 MANHOLE SERVICE - DRILL INTO MANHOLE AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2118)

AS BUILT INFORMATION

CONTRACTOR	DATE
DRAWN BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWING CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

BASIS OF COORDINATES FOR THIS SITE ARE CITY OF ALBUQUERQUE CONTROL STATIONS:
"13-L12-R"-LAT 35°03'40" LONG 16°41'03"
"7-M12": LAT 35°03'26" LONG 106°41'09"
BASIS OF ELEVATIONS FOR THIS SITE ARE CITY OF ALBUQUERQUE BENCH MARK:
"7-M12" ELEVATION = 4938.70
(REFERENCE NAVD DATUM 1929)

SURVEY INFORMATION

FIELD NOTES	
NO.	DATE

ENGINEER'S SEAL

RECORD DRAWING

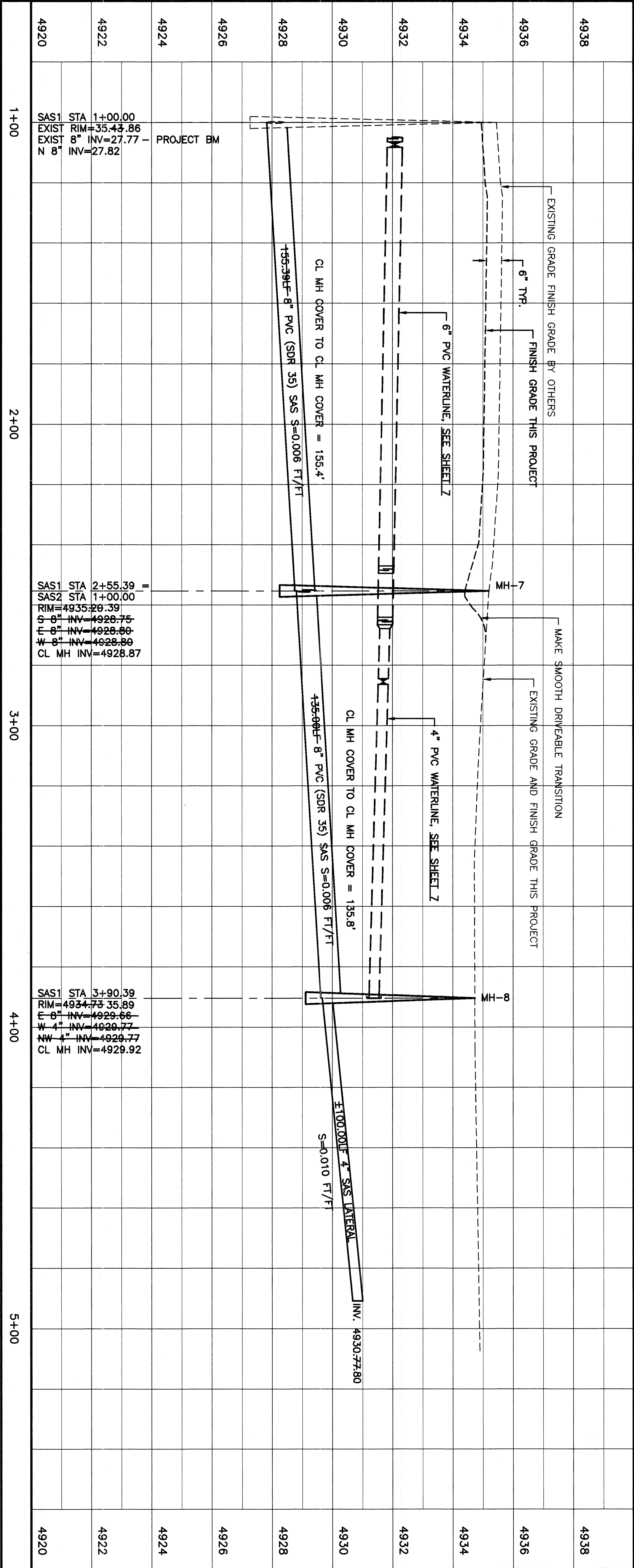
Date 5-27-03
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POINT	NORTHING	EASTING
1 FOUND #4 REBAR	1475889.81	367916.79
2 FOUND #4 REBAR	1476008.77	367934.03
3 #4 REBAR W/ OAP P.S. 10464	1476028.82	367912.38

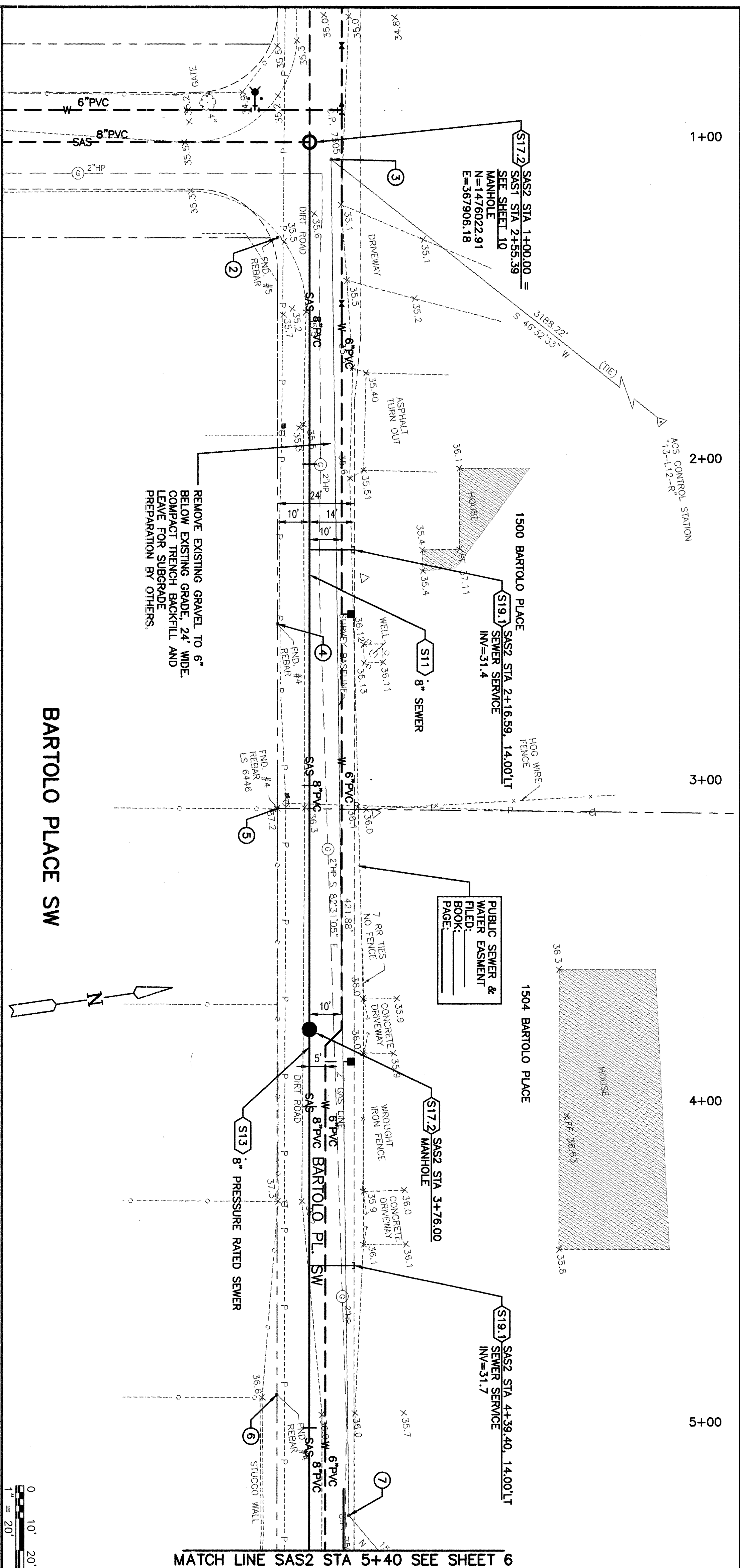
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500 CORPUS AVENUE NW, SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-5150
PHONE 505.271.0284 • FAX 505.271.0465

NO.	DATE	REMARKS	BY

DESIGNED BY	K JACOBSEN	DATE	11-26-01
DRAWN BY	L SISNEROS	DATE	11-26-01
CHECKED BY	P RUNNELS	DATE	11-26-01



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT SASI STA 1+00 TO STA 4+94.39 SEWER PLAN AND PROFILE	
Design Review Committee	City Engineer Approval
City Project No.	Zone Map No.
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Of	12



CONSTRUCTION NOTES

S11 8" SEWER – EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465)
SEE SHEET 10, DETAIL 2.

S12 8" PRESSURIZED RATED SEWER – EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC (ISPR 26) PRESSURIZED RATED SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465)
SEE SHEET 10, DETAIL 2.

S17.2 MANHOLE – CONSTRUCT 4' DIAMETER TYPE "E" MANHOLE. (C.O.A. STD. DWG. 2102)

S19.1 SEWER SERVICE – TAP INTO 8" PVC SEWER AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2125)

GROUND WATER NOTE:
THE ELEVATION GIVEN REFLECTS WATER TABLE CONDITIONS AT THE TIME THE MEASUREMENT WAS MADE, ONLY.

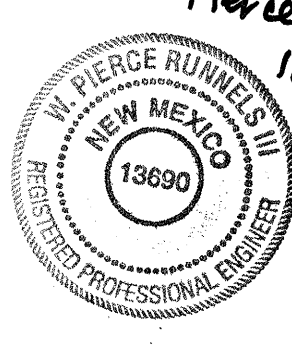
GROUND WATER NOTE:

THE ELEVATION GIVEN REFLECTS WATER TABLE CONDITIONS AT THE TIME THE MEASUREMENT WAS MADE, ONLY.

SURVEY INFORMATION			BENCH MARKS	AS BUILT INFORMATION
FIELD NOTES			BASIS OF COORDINATES FOR THIS SITE ARE	CONTRACTOR
NO.	BY	DATE	CITY OF ALBUQUERQUE CONTROL STATIONS:	WORK STAKED BY DATE
			"13-L12-R"-LAT 35°03'40" LONG 16°41'03"	INSPECTOR'S ACCEPTANCE BY DATE
			"7-M12": LAT 35°03'26" LONG 106°41'09"	FIELD VERIFICATION BY DATE
			BASIS OF ELEVATIONS FOR THIS SITE ARE	DRAWINGS CORRECTED BY DATE
			CITY OF ALBUQUERQUE BENCH MARK:	MICRO-FILM INFORMATION
			"7-M12" ELEVATION = 4938.70	RECORDED BY DATE
			(REFERENCE NAD83 DATUM 1929)	NO.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

ENGINEER'S SEAL



NO.	DATE	REMARKS	BY
<i>REVISIONS</i>			
ASCG, INC.			
DESIGNED BY	K JACOBSEN	DATE	11-26-01
DRAWN BY	L SISNEROS	DATE	11-26-01
CHECKED BY	P RUNNELS	DATE	11-26-01

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • INSPECTION SERVICES

500 COPPER AVENUE NW, SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-3150
PHONE 505/247-0294 • FAX 505/247-4845

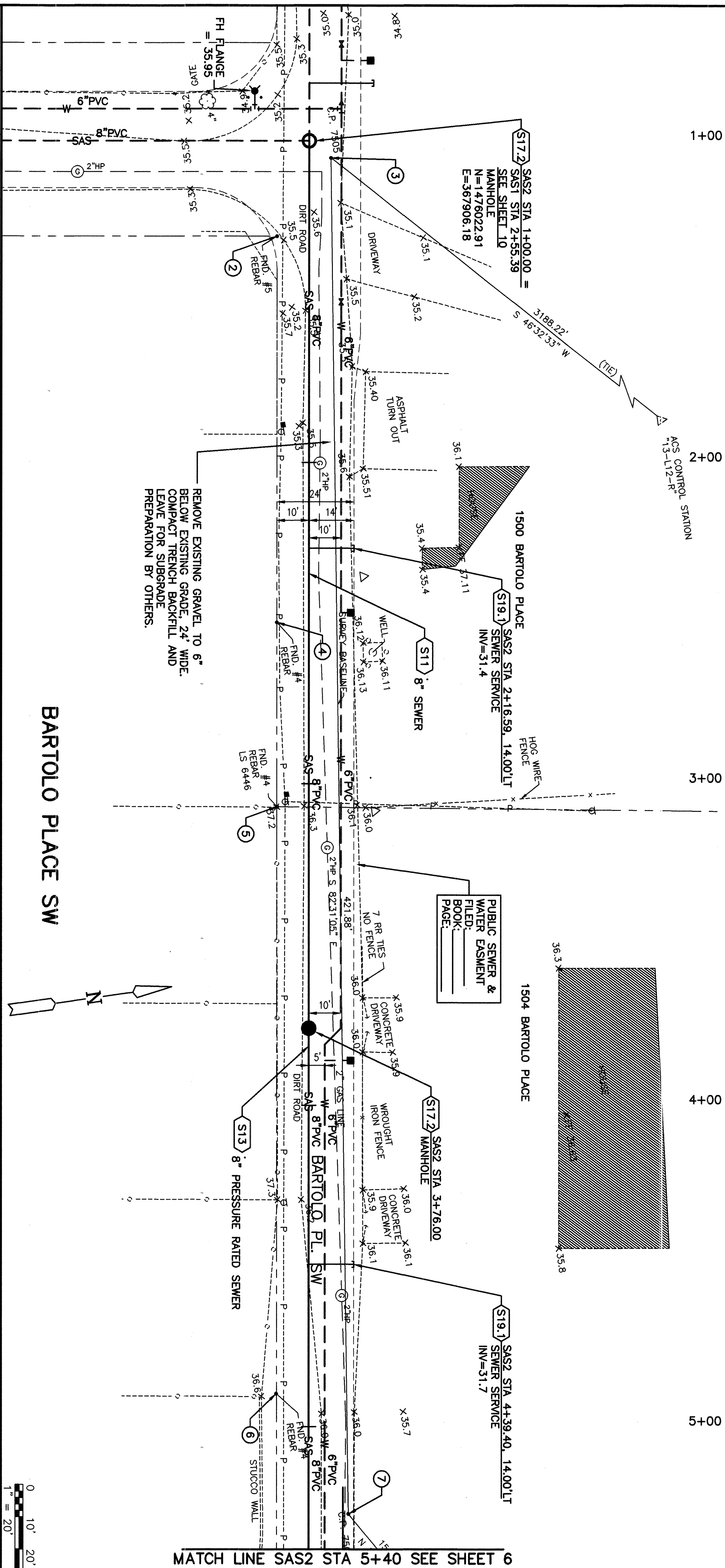
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
BARTOLO PLACE SW

SAS2 SIA 1+00 10 SIA 5+40 SEWER PLAN AND PROFILE	
Design Review Committee	City Engineer Approval
date	Mo./Day/Yr.
	Mo./Day/Yr.

[illegible]

City Project No.	4956.94	Zone Map No.	M11/12	Sheet	5	Of	12
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BARTOLO PLACE SW

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



CONSTRUCTION NOTES

- S111 8" SEWER - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465)
SEE SHEET 10, DETAIL 2.
- S113 8" PRESSURE RATED SEWER - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC (SOR 26) PRESSURE RATED SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465)
SEE SHEET 10, DETAIL 2.
- S172 MANHOLE - CONSTRUCT 4' DIAMETER TYPE "E" MANHOLE. (C.O.A. STD. DWG. 2102)
- S19.1 SEWER SERVICE - TAP INTO 8" PVC SEWER AND CONNECT TO C.I. SEWER SERVICE LINE. (C.O.A. STD. DWG. 2125)

REDRAWN FOR RECORD PURPOSES

THIS SHEET HAS BEEN REDRAWN.
SEE ORIGINAL DRAWING FOR
SIGNATURES AND ENGINEER'S SEAL

RECORD DRAWING
F 07 07

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record documents. The user of these drawings

PT	POINT	NORTHING	EASTING
2	FOUND #4 REBAR	1476008.77	367933.4
3	#4 REBAR W/ CAP	1476028.82	367912.58
4	FOUND #4 REBAR	1475991.56	368052.82
5	FOUND #4 REBAR	1475983.43	368109.73
6	FOUND #4 REBAR	1475987.50	368290.36
7	#4 REBAR W/ CAP	1475973.89	368330.66

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500 COPPER AVENUE, NW, SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-1850
PHONE 505.247.0294 • FAX 505.247.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
BARTOLO PLACE SW
SAS2 STA 1+00 TO STA 5+40 SEWER PLAN AND PROFIL

Design Review Committee	City Engineer Approval	te
-------------------------	------------------------	----

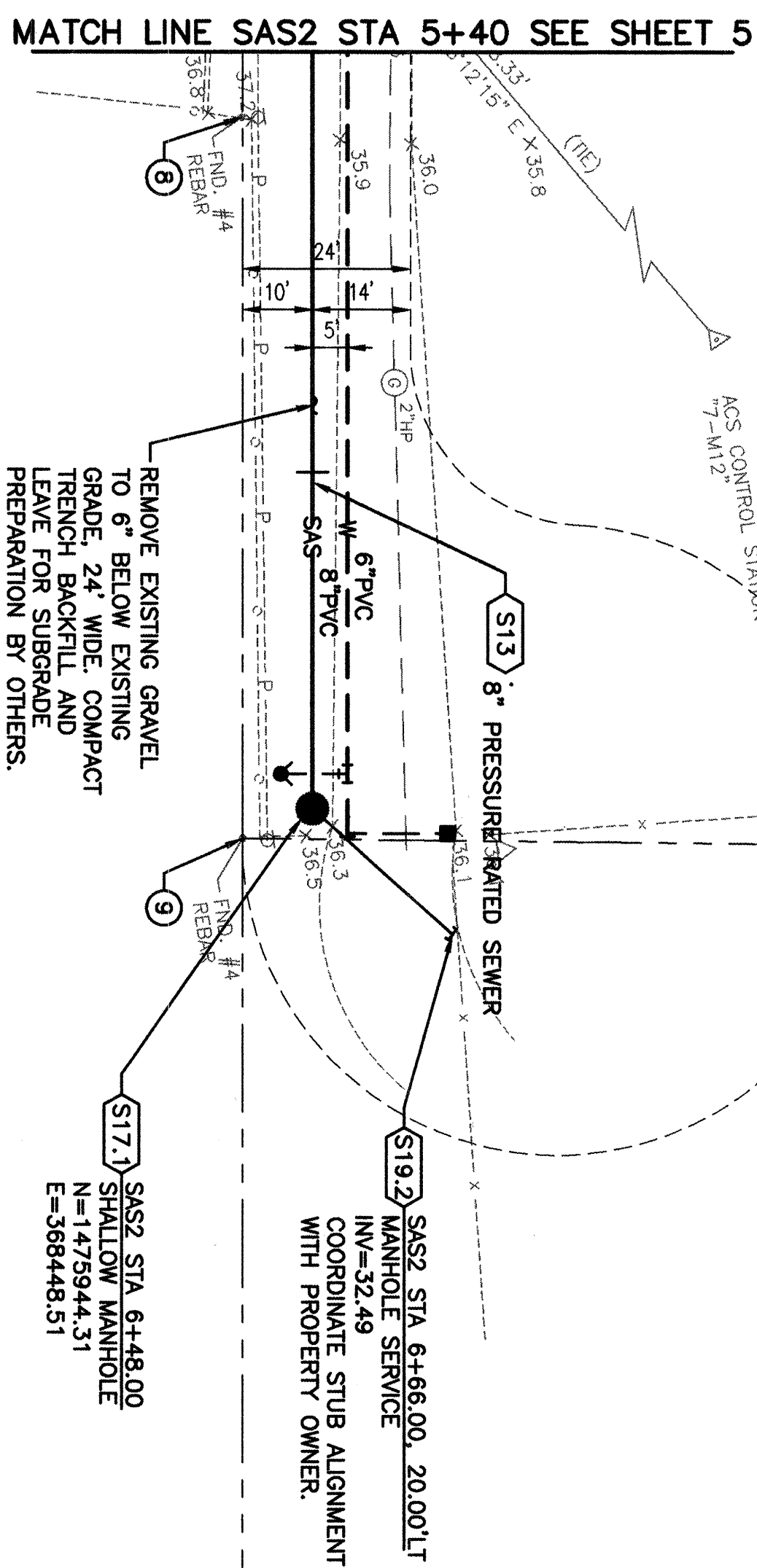
City Project No.

4956.94 M11/12 Zone Map No.

Of

12

[illegible]



6+60

NEW HOUSE BEING BUILT
1508(?) BARTOLO PLACE
ASSUME FF = 36.0

Diagram of a rectangular area with dimensions 36.2 and 36.10, and text "FF 39.03 MOBILE HOME".

S17.1 SHALLOW MANHOLE - CONSTRUCT 4' DIAMETER TYPE "C" MANHOLE. (C.O.A. STD. DWG. 2101)

S19.2 MANHOLE SERVICE - DRILL INTO MANHOLE AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2118)

CONSTRUCTION NOTES

- S11 8" SEWER - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC SEWER LINE AS SHOWN, BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465)
SEE SHEET 10, DETAIL 2.

S17.1 SHALLOW MANHOLE - CONSTRUCT 4' DIAMETER TYPE "C" MANHOLE. (C.O.A. STD. DWG. 2101)

S19.2 MANHOLE SERVICE - DRILL INTO MANHOLE AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2118)

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES			BASIS OF COORDINATES FOR THIS SITE ARE CITY OF ALBUQUERQUE CONTROL STATIONS: "13-L12-R"-LAT 35°03'40" LONG 16°41'03" "7-M12"-LAT 35°03'26" LONG 106°41'09" BASIS OF ELEVATIONS FOR THIS SITE ARE CITY OF ALBUQUERQUE BENCH MARK: "7-M12" ELEVATION = 4938.70 (REFERENCE NAD DATUM 1929)		CONTRACTOR	
NO.	BY	DATE			WORK MADE BY	DATE
					INSPECTOR'S ACCEPTANCE BY	DATE
					FIELD VERIFICATION BY	DATE
					DRAWINGS CORRECTED BY	DATE
			MICRO-FILM INFORMATION			
			RECORDED BY		DATE	
			NO.			

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



0 10' 20'

0 10' 20'

[illegible]

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

PT #	POINT DESCRIPTION	NORTHING	EASTING
8	FOUND #4 REBAR	1475948.39	368349.47
9	FOUND #4 REBAR	1475933.81	368451.28

ENGINEER'S SEAL



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ALBUQUERQUE, NEW MEXICO 87102-3150
PHONE 505.247.0294 • FAX 505.247.4845

NO.	DATE	REMARKS <i>REVISIONS</i>	BY
ASCG, INC.			
DESIGNED BY	K JACOBSEN	DATE 11-26-01	
DRAWN BY	L SISNEROS	DATE 11-26-01	
CHECKED BY	P RINNELS	DATE 11-26-01	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

**TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
BARTOLO PLACE SW**

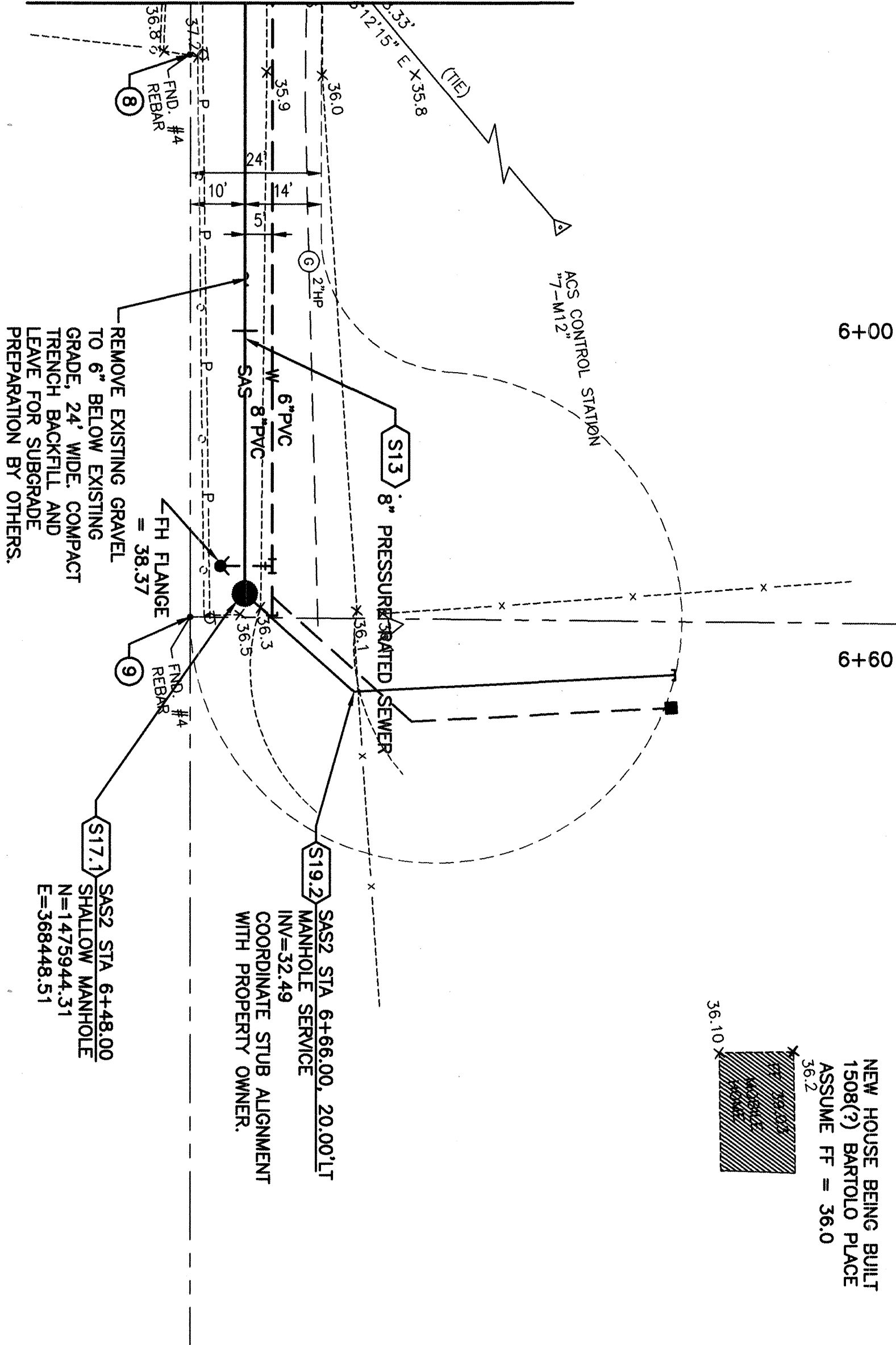
Design/Review Committee	City Engineer Approval	te	Mo./Day/Yr.	Mo.

11 JUL - 1 2002

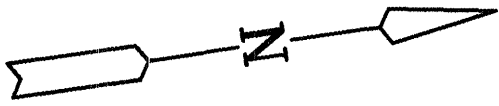
DESIGN REVIEW COMMITTEE

City Project No. **4056 94** Zone Map No. **M11 /12** Sheet **6** Of **12**

MATCH LINE SAS2 STA 5+40 SEE SHEET 5



BARTOLO PLACE SW



SCALE:
HORIZ. 1"=20'
VERT. 1"=2'
0 10' 20' 40' 60'

RECORD DRAWING

These drawings have been revised based on the information provided by the owner. The engineer will not be responsible for the accuracy of the information provided by the owner. The engineer will not be responsible for the accuracy of the information provided by the owner. The engineer will not be responsible for the accuracy of the information provided by the owner.

POINT	NORTHING	EASTING
8 FOUND #4 REBAR	1475948.39	368349.47
9 FOUND #4 REBAR	1475935.81	368451.28

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ALBUQUERQUE, NM 87102
PHONE 505.247.0254 • FAX 505.247.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
SAS2 STA 5+40 TO STA 6+52 SEWER PLAN AND PROFILE

Design Review Committee City Engineer Approval

City Project No. 4956.94

Zone Map No. M11/12

Sheet 6 of 12

REDRAWN FOR RECORD PURPOSES
THIS SHEET HAS BEEN REDRAWN.
SEE ORIGINAL DRAWING FOR
SIGNATURES AND ENGINEER'S SEAL

- CONSTRUCTION NOTES**
- S11 8" SEWER - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING AND PLACE 8" PVC SEWER LINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE, OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.
 - S17.1 SHALLOW MANHOLE - CONSTRUCT 4" DIAMETER TYPE "C" MANHOLE. (C.O.A. STD. DWG. 2101)
 - S19.2 MANHOLE SERVICE - DRILL INTO MANHOLE AND CONNECT 4" C.I. SEWER SERVICE LINE. CONSTRUCT SERVICE TO EDGE OF EASEMENT AS SHOWN. (C.O.A. STD. DWG. 2118)

AS BUILT INFORMATION			MICRO-FILM INFORMATION		
CONTRACTOR	DATE		RECORDED BY	DATE	
STAKED BY	DATE		NO.		
INSPECTOR'S ACCEPTANCE BY	DATE				
FIELD VERIFICATION BY	DATE				
DRAWING CORRECTED BY	DATE				
BASIS OF COORDINATES FOR THIS SITE ARE			BASIS OF ELEVATIONS FOR THIS SITE ARE		
CITY OF ALBUQUERQUE CONTROL STATIONS:			CITY OF ALBUQUERQUE BENCH MARK:		
"13-L12-R"-LAT 35°03'40" LONG 16°41'03"			"7-M12" ELEVATION = 4938.70		
"7-M12": LAT 35°03'26" LONG 106°41'09"			(REFERENCE NAVD DATUM 1929)		
FIELD NOTES			REVISIONS		
NO.	BY	DATE	NO.	DATE	REMARKS
			5/03		REDRAWN FOR AS BUILT
ENGINEER'S SEAL			DESIGNED BY K JACOBSEN DATE 11-26-01		
			DRAWN BY L SISNEROS DATE 11-26-01		
			CHECKED BY P RUNNELS DATE 11-26-01		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

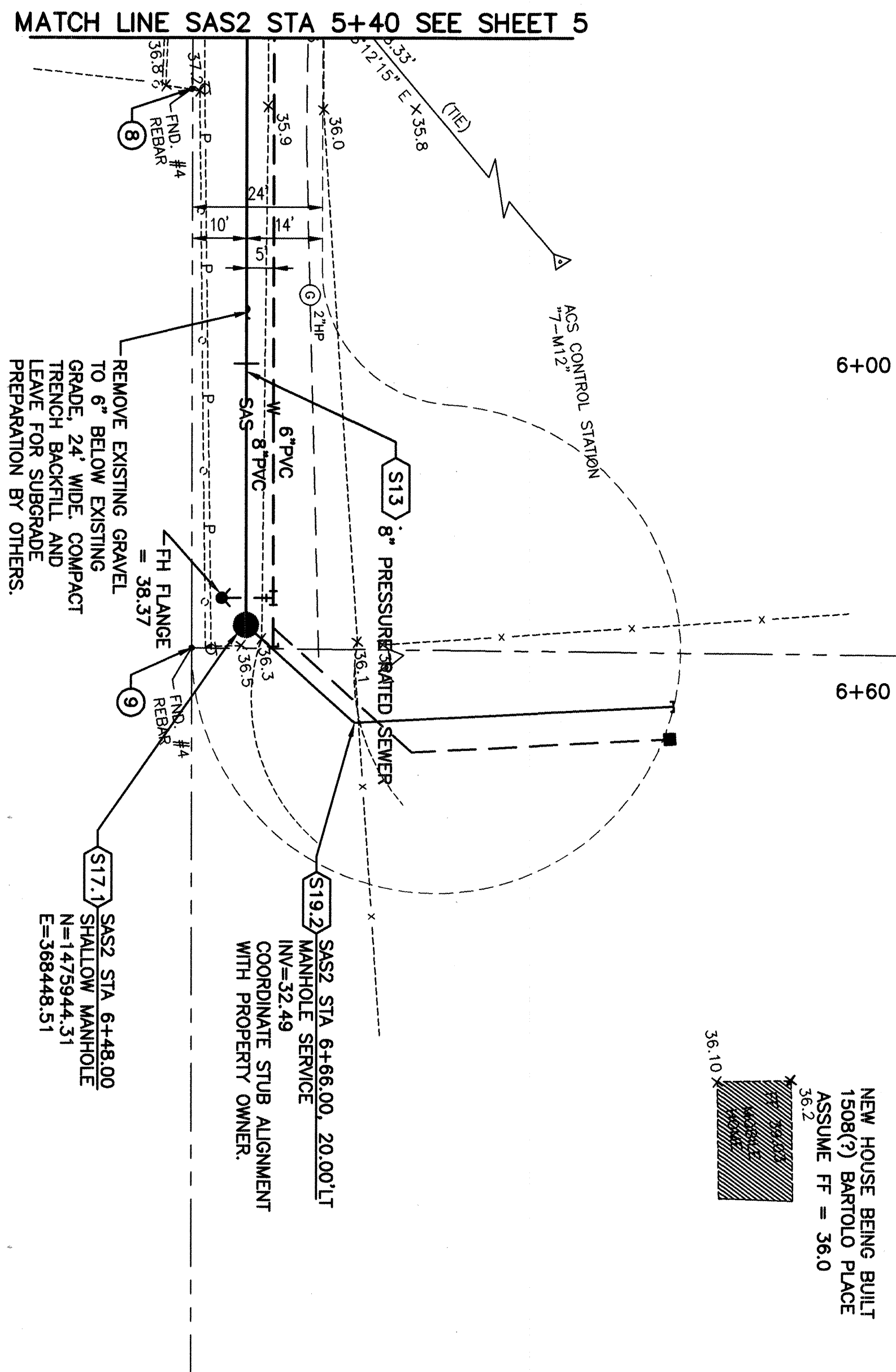
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
SAS2 STA 5+40 TO STA 6+52 SEWER PLAN AND PROFILE

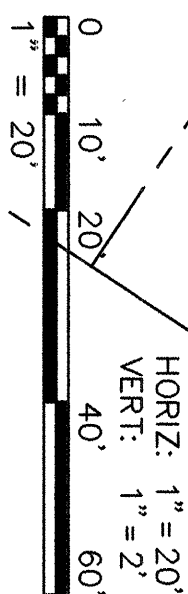
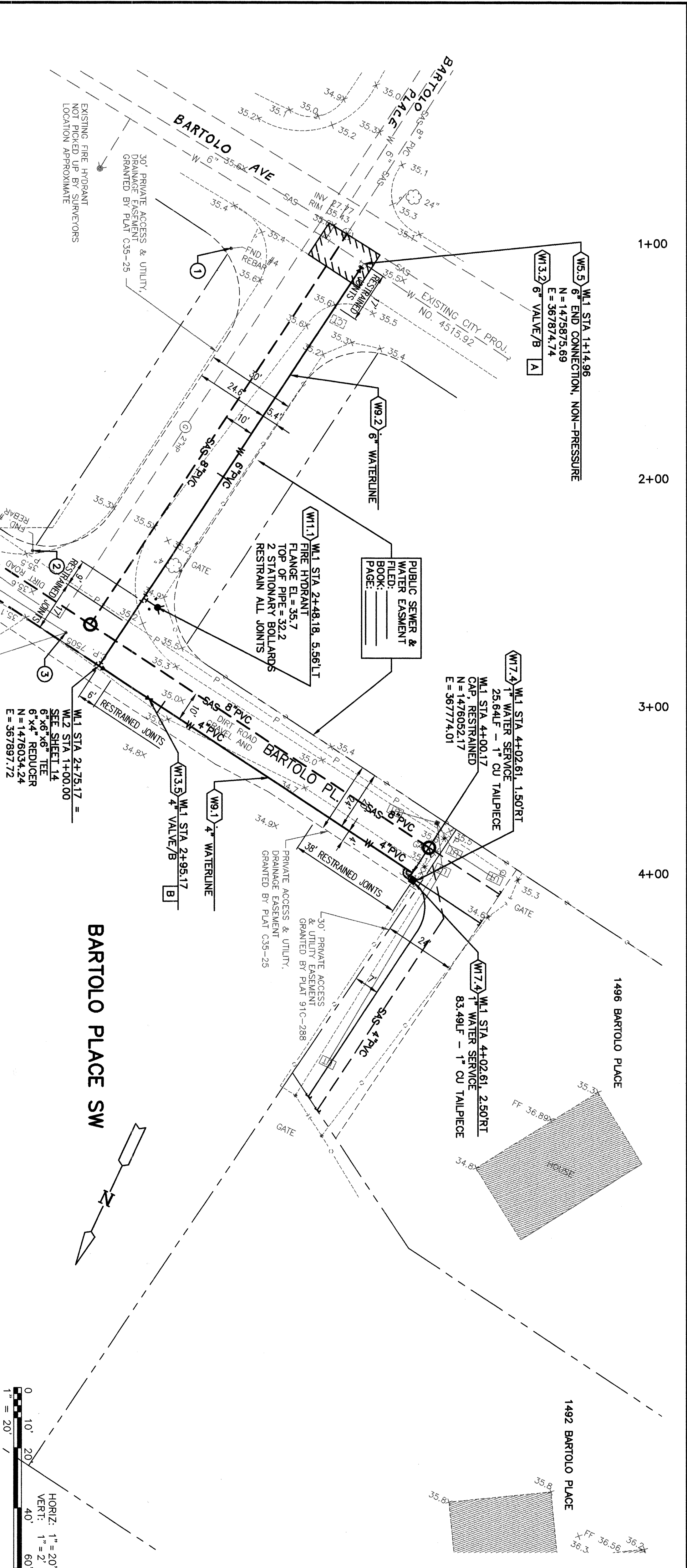
Design Review Committee City Engineer Approval

City Project No. 4956.94

Zone Map No. M11/12

Sheet 6 of 12





CONSTRUCTION NOTES			
W5.5 6" END CONNECTION, NON-PRESSURE EXISTING 6" PVC WATERLINE. REMOVE CAP AND CONNECT NEW 6" PVC WATERLINE.			
W9.1 4" WATERLINE - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING, AND PLACE 4" PVC (OR 18) WATERLINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.			
W9.2 6" WATERLINE - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING, AND PLACE 6" PVC (OR 18) WATERLINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.			
W11.1 FIRE HYDRANT - INSTALL FIRE HYDRANT WITHOUT VALVE, AT LOCATION SHOWN. (C.O.A. STD. DWG. 2340)			
W13.2 6" VALVE/B - INSTALL 6" GATE VALVE IN TYPE "B" BOX AT LOCATION SHOWN. (C.O.A. STD. DWG. 2326)			
W13.5 4" VALVE/B - INSTALL 4" GATE VALVE IN TYPE "B" BOX AT LOCATION SHOWN. (C.O.A. STD. DWG. 2326)			
W17.4 DUAL 1" WATER SERVICE - INSTALL 1" METTERED WATER SERVICE LINE AS SHOWN. (C.O.A. STD. DWG. 2361 - CASE 5)			
SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION
FIELD NOTES		BASIS OF COORDINATES FOR THIS SITE ARE CITY OF ALBUQUERQUE CONTROL STATIONS: "13-L12-R"-LAT 35°03'40" LONG 106°44'03" "7-M12": LAT 35°03'26" LONG 106°44'09" BASIS OF ELEVATIONS FOR THIS SITE ARE CITY OF ALBUQUERQUE BENCH MARK: "7-M12" ELEVATION = 4938.70 (REFERENCE NAVD DATUM 1929)	CONTRACTOR
NO.	BY		DATE
ENGINEER'S SEAL		MICRO-FILM INFORMATION	
		RECORDED BY	DATE
		NO.	

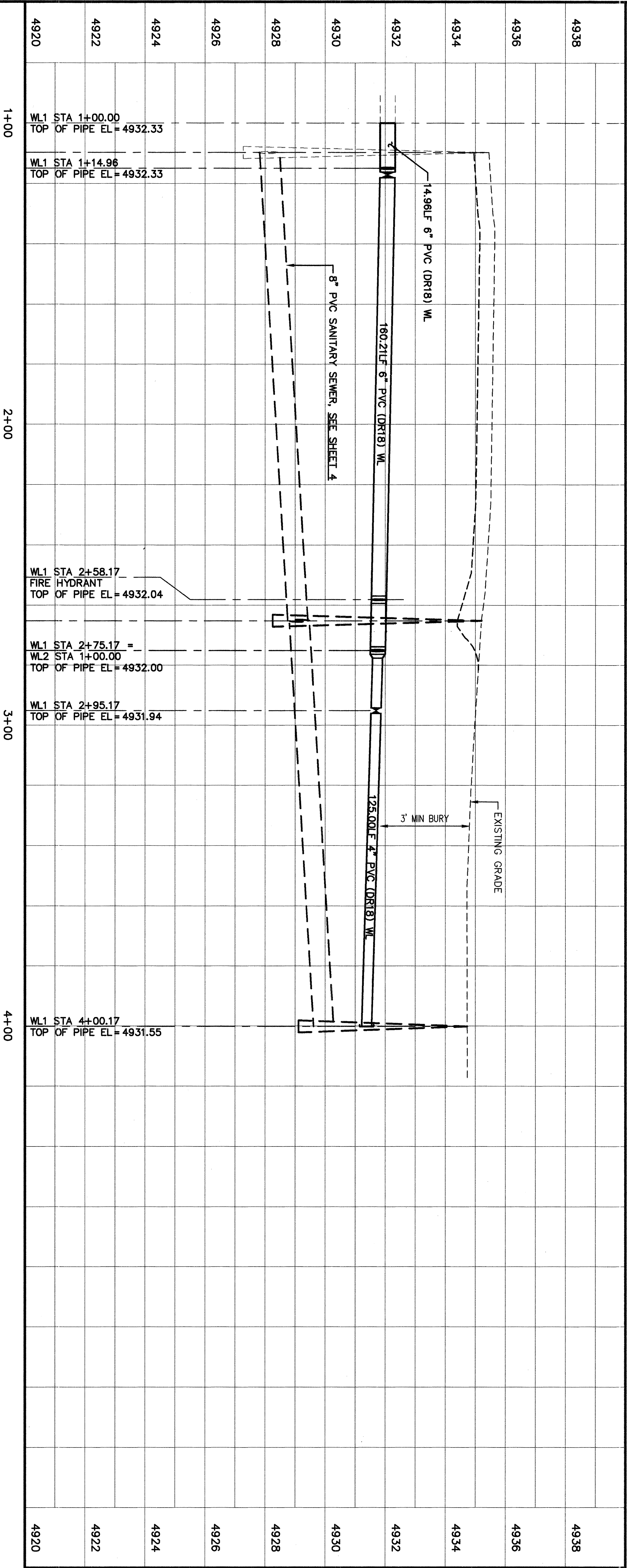
NOTE: SURFACE TREATMENTS AND ELEVATIONS PER SAS SHEETS 4, 5, AND 6.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

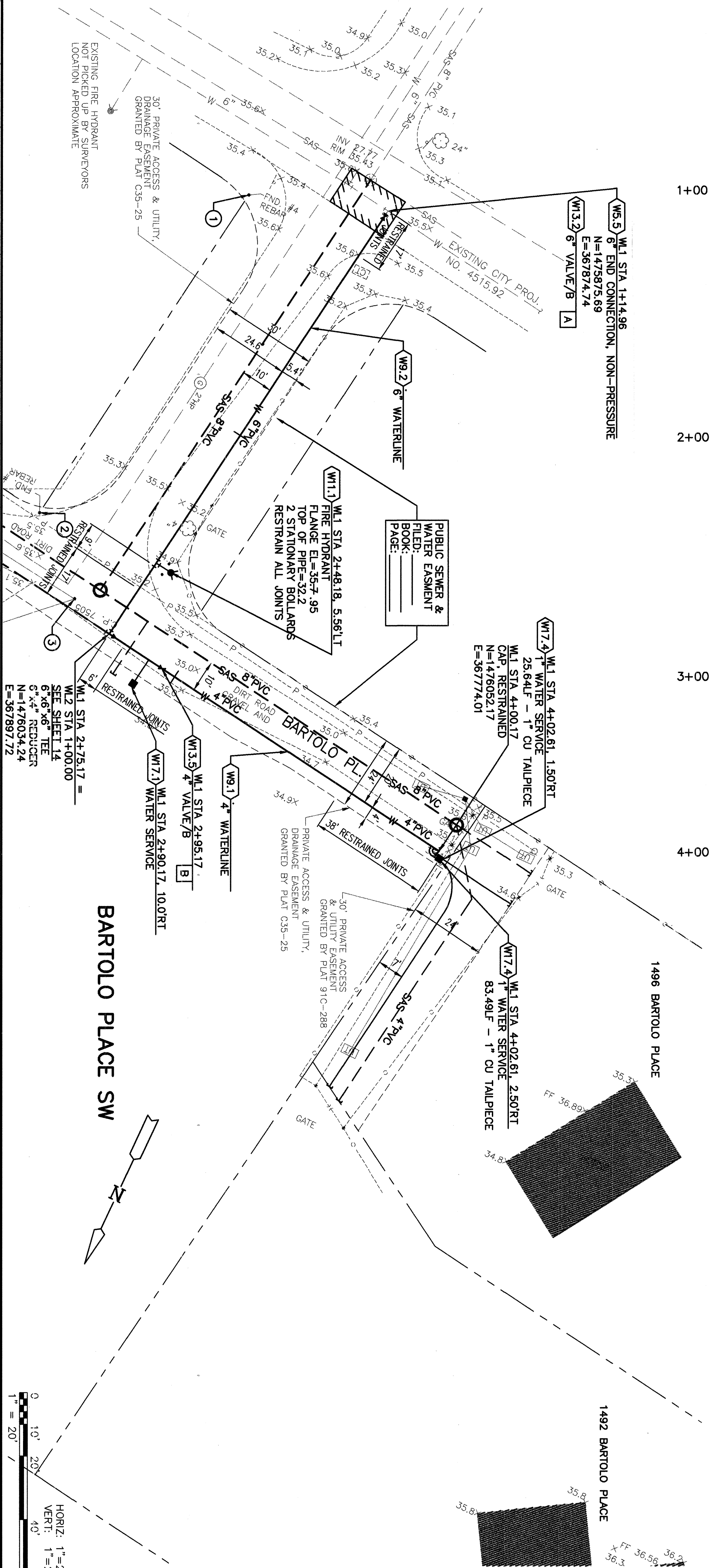
POINT	DESCRIPTION	NORTHING	EASTING
1	FOUND #4 REBAR	1475889.81	367916.79
2	FOUND #4 REBAR	1476008.77	367934.03
3	#4 REBAR W/ CAP P.S. 10464	1476028.82	367912.38

ASCG
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ENGINEERS - ARCHITECTS - SURVEYORS - INSPECTION SERVICES
500 CORTEZ AVENUE, NW, SUITE 200
ALBUQUERQUE, NEW MEXICO 87102-3150
PHONE 505.271.1234 • FAX 505.271.4245

NO.	DATE	REMARKS	BY
REVISIONS			
ASCG, INC.			
DESIGNED BY	K. JACOBSEN	DATE	11-26-01
DRAWN BY	L. SISNEROS	DATE	11-26-01
CHECKED BY	P. RUNNELS	DATE	11-26-01

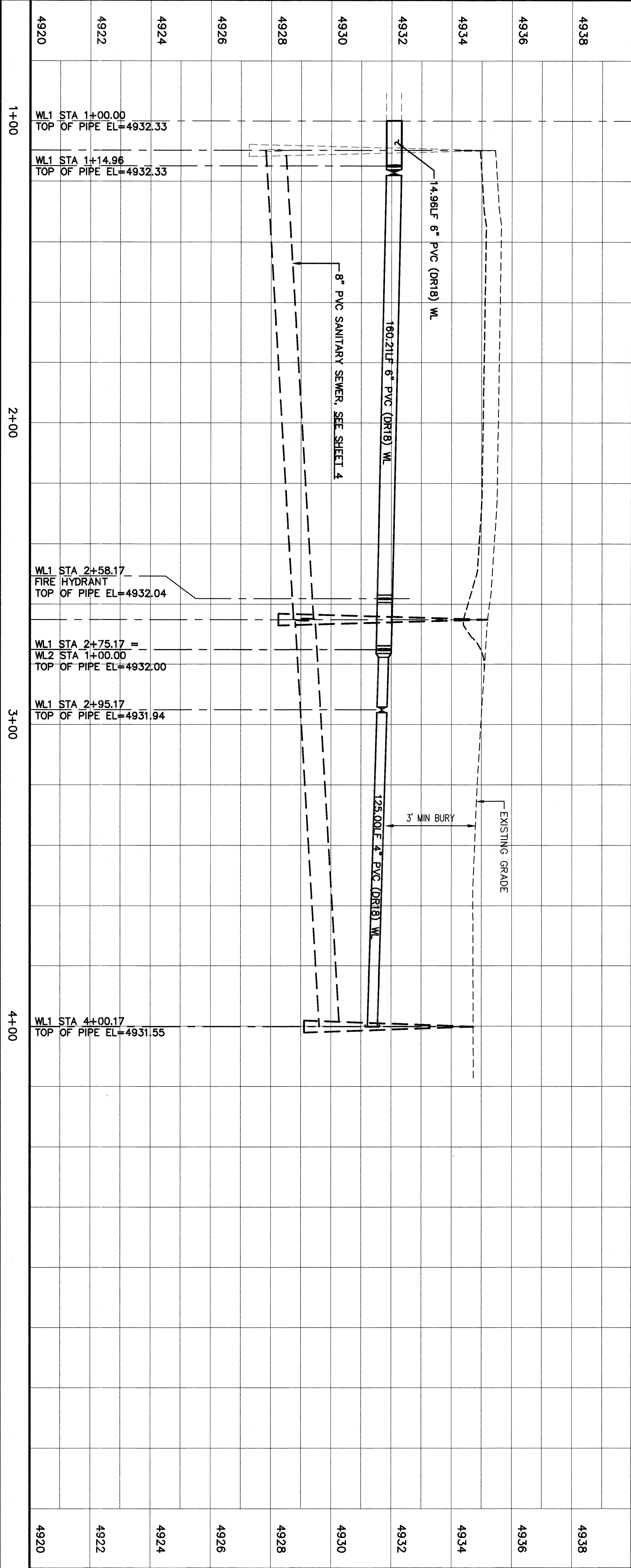


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT	
WL1 STA 1+00 TO STA 4+09.98 WATER PLAN AND PROFILE	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
DESIGN	REVIEW
DATE: 11-1-2002	DATE: 11-1-2002
DESIGNED BY: K. JACOBSEN	CHECKED BY: P. RUNNELS
DRAWN BY: L. SISNEROS	DATE: 11-26-01
CITY PROJECT NO. 4956.94	Zone Map No. M11/12
Sheet 7	Of 12

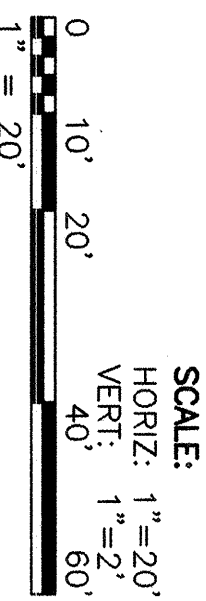
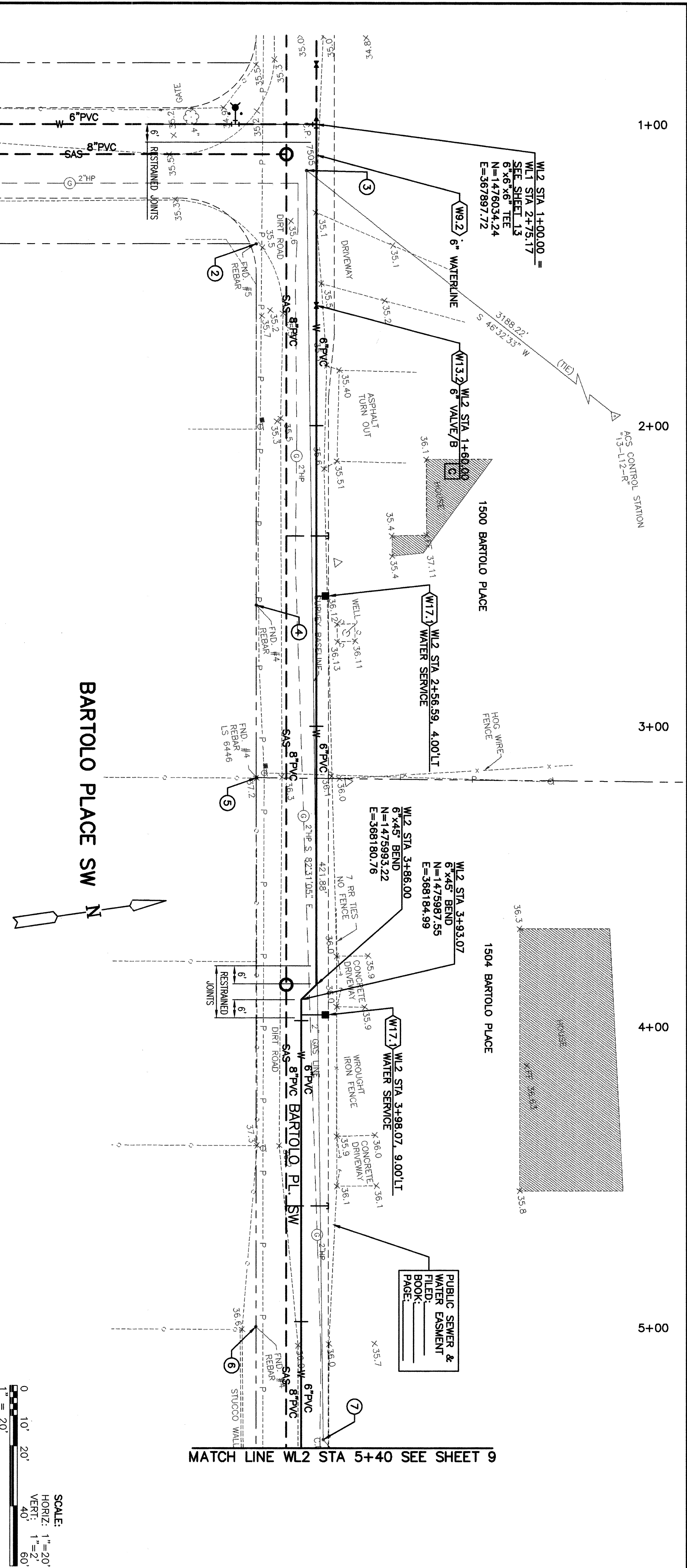


CONSTRUCTION NOTES			
W5.5	6" END CONNECTION, NON-PRESSURE LOCATE EXISTING 6" WATERLINE, REMOVE CAP AND CONNECT NEW 6" PVC WATERLINE.		
W9.1	4" WATERLINE - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING, AND PLACE 4" PVC (OR 18) WATERLINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.		
W9.2	6" WATERLINE - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING, AND PLACE 6" PVC (OR 18) WATERLINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.		
W11.1	FIRE HYDRANT - INSTALL FIRE HYDRANT WITHOUT VALVE, AT LOCATION SHOWN. (C.O.A. STD. DWG. 2340)		
W13.2	6" VALVE/B - INSTALL 6" GATE VALVE IN TYPE "B" BOX AT LOCATION SHOWN. (C.O.A. STD. DWG. 2326)		
W13.5	4" VALVE/B - INSTALL 4" GATE VALVE IN TYPE "B" BOX AT LOCATION SHOWN. (C.O.A. STD. DWG. 2326)		
W17.4	DUAL 1" WATER SERVICE - INSTALL 1" METERED WATER SERVICE LINE AS SHOWN. (C.O.A. STD. DWG. 2361 - CASE 5)		
W17.1	WATER SERVICE - INSTALL 3/4" METERED WATER SERVICE LINE AS SHOWN. (C.O.A. STD. DWG. 2361 - CASE 5)		
REDRAWN FOR RECORD PURPOSES			
THIS SHEET HAS BEEN REDRAWN. SEE ORIGINAL DRAWING FOR SIGNATURES AND ENGINEER'S SEAL			
NOTE: SURFACE TREATMENTS AND ELEVATIONS PER SAS SHEETS 4, 5, AND 6.			
RECORD DRAWING Date: 05-27-03			
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PT	DESCRIPTION	NORTHING	EASTING
1	FOUND #4 REBAR	1475889.81	367916.79
2	FOUND #4 REBAR	1476008.77	367934.03
3	#4 REBAR W/ CAP P.S. 10464	1476026.62	367912.38

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		BASIS OF COORDINATES FOR THIS SITE ARE		CONTRACTOR	
		NO.	DATE	CITY OF ALBUQUERQUE CONTROL STATIONS:		WORK STAKED BY	DATE
				"13-L12-R"-LAT 35°03'40" LONG 16°41'03"		INSPECTOR'S ACCEPTANCE BY	DATE
				"7-M12": LAT 35°03'26" LONG 106°41'09"		FIELD VERIFICATION BY	DATE
				BASIS OF ELEVATIONS FOR THIS SITE ARE		DRAWINGS CORRECTED BY	DATE
				CITY OF ALBUQUERQUE BENCH MARK:		MICRO-FILM INFORMATION	
				"7-M12" ELEVATION = 4938.70		RECORDED BY	DATE
				(REFERENCE NAVD DATUM 1929)		NO.	



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT W1 STA 1+00 TO STA 4+09.98 WATER			
Design Review Committee	City Engineer Approval	Ms./Day/Yr.	Ms./Day/Yr.
City Project No.	4956.94	Zone Map No.	M11/12
		Sheet	7
		Of	12
ASCG, INC. DESIGNED BY K JACOBSEN DATE 11-26-01 DRAWN BY L SISNEROS DATE 11-26-01 CHECKED BY P RUNNELS DATE 11-26-01			
5/03 REDRAWN FOR AS BUILT NO. DATE REMARKS BY			
REVISIONS			



CONSTRUCTION NOTES

- W13.2 6" VALVE/B - INSTALL 6" GATE VALVE IN TYPE "B" BOX AT LOCATION SHOWN. (C.O.A. STD. DWG. 2326)
- W17.1 WATER SERVICE - INSTALL 3/4" METERED WATER SERVICE LINE AS SHOWN. (C.O.A. STD. DWG. 2361 - CASE 5)
- W9.2 6" WATERLINE - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING, AND PLACE 6" PVC (OR 18) WATERLINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.

NOTE: SURFACE TREATMENTS AND ELEVATIONS PER SAS SHEETS 4, 5, AND 6.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

POINT	DESCRIPTION	NORTHING	EASTING
1	FOUND #4 REBAR	1476008.77	367934.03
2	#4 REBAR W/ CAP P.S. 10464	1476028.82	367912.38
3	#4 REBAR W/ CAP P.S. 10464	1475991.56	368052.82
4	FOUND #4 REBAR LS6448	1475983.48	368109.73
5	FOUND #4 REBAR	1475957.00	368290.36
6	#4 REBAR W/ CAP P.S. 10464	1475973.89	368330.66
7	#4 REBAR W/ CAP P.S. 10464	1475973.89	368330.66

ASCG
INCORPORATED

DRAWERS - ARCHITECTS - SURVEYORS - INSPECTION SERVICES

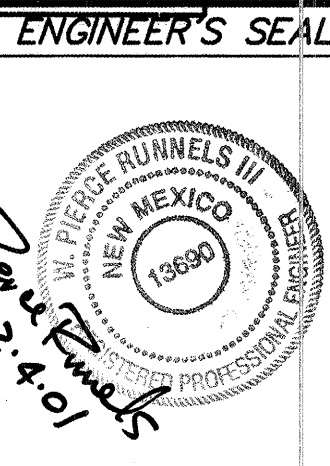
500 COPPER AVENUE NW, SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-2150
PHONE 505.247.0225 • FAX 505.247.0655

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

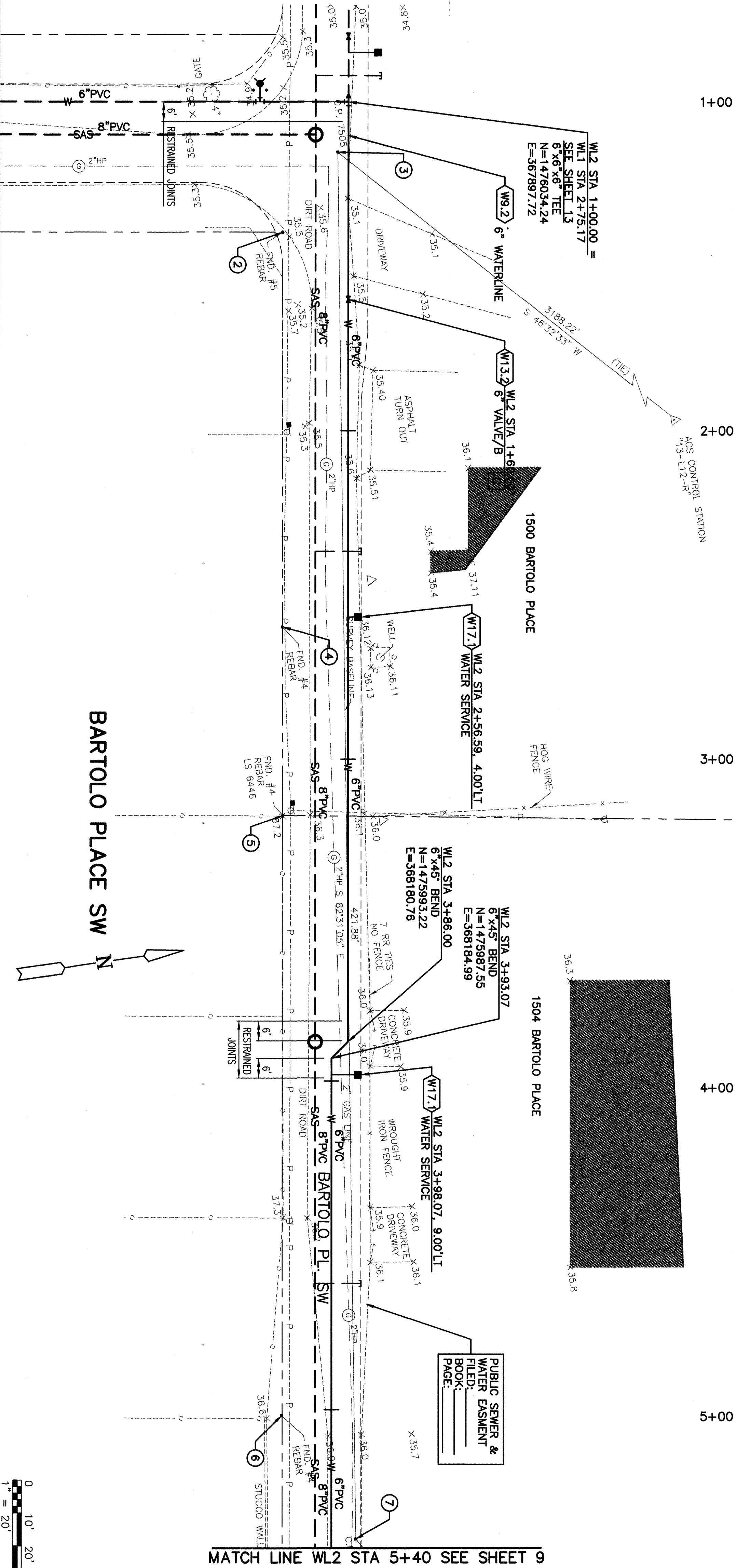
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
W12 STA 1+00 TO STA 5+40 WATER PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
DESIGNER	CITY ENGINEER
REVIEWED BY	DESIGNED BY
DATE	DATE

City Project No. 4956.934 M11/12 Zone Map No. 8 OF 12



NO.	DATE	REMARKS	BY
REVISIONS			
ASCG, INC.			
DESIGNED BY	K JACOBSEN	DATE	11-26-01
DRAWN BY	L SISNEROS	DATE	11-26-01
CHECKED BY	P RUNNELS	DATE	11-26-01



SCALE:
HORIZ: 1"=20'
VERT: 1"=2'
40'
60'

NOTE: SURFACE
TREATMENTS AND
ELEVATIONS PER SAS
SHEETS 4, 5, AND 6.

RECORD DRAWING
05-27-03

Date: 05-27-03
These drawings have been revised based on the construction records of the owner. While the information submitted by the owner will be assumed to be reliable, the accuracy of this information not for errors or omissions which may appear in the record document as a result thereof.

POINT	DESCRIPTION	NORTHING	EASTING
2	FOUND #4 REBAR	1476008.77	367934.03
3	#4 REBAR W/ CAP P.S.10464	1476028.62	367912.38
4	FOUND #4 REBAR	1473891.36	368052.52
5	FOUND #4 REBAR	1473883.46	368109.73
6	FOUND #4 REBAR	1473897.00	368290.26
7	#4 REBAR W/ CAP P.S.10464	1473873.89	368330.66

ASCG
INCORPORATED
ENGINEERS - ARCHITECTS - SURVEYORS - INSPECTION SERVICES
500 CORP. AVENUE, SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-3150
PHONE 505.247.0234 • FAX 505.247.4845

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
WL-2 STA 1+00 TO STA 5+40 WATER PLAN AND PROFILE

Design Review Committee City Engineer Approval

City Project No. 4956.934
Zone Map No. M11/12

Sheet 8 of 12

CONSTRUCTION NOTES

WL3.2 6" VALVE/B - INSTALL 6" GATE VALVE IN TYPE "B" BOX AT LOCATION SHOWN. (C.O.A. STD. DWG. 2326)

S17.1 SHALLOW MANHOLE - CONSTRUCT 4' DIAMETER TYPE "C" MANHOLE. (C.O.A. STD. DWG. 2101)

WL9.2 6" WATERLINE - EXCAVATE TRENCH, CONSTRUCT PIPE BEDDING, AND PLACE 6" PVC (DR 18) WATERLINE AS SHOWN. BACKFILL TRENCH AND MATCH ADJACENT SURFACE OR TOP OF SUBGRADE MATERIAL, AS APPLICABLE. (C.O.A. STD. DWG. 2465) SEE SHEET 10, DETAIL 2.

AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
CORRECTION CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
BASIS OF COORDINATES FOR THIS SITE ARE CITY OF ALBUQUERQUE CONTROL STATIONS: "13-L12-R"-LAT 35°03'40" LONG 106°41'03"	
"7-M12": LAT 35°03'26" LONG 106°41'09"	
BASIS OF ELEVATIONS FOR THIS SITE ARE CITY OF ALBUQUERQUE BENCH MARK: "7-M12" ELEVATION = 4938.70 (REFERENCE NAVD DATUM 1929)	

SURVEY INFORMATION	
FIELD NOTES	
NO.	DATE

ENGINEER'S SEAL	
DATE	BY
5/03	REDAWN FOR AS BUILT
REVISIONS	
NO.	DATE
1	REDAWN FOR AS BUILT
2	REDAWN FOR AS BUILT
3	REDAWN FOR AS BUILT
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98	REDAWN FOR AS BUILT
99	REDAWN FOR AS BUILT
100	REDAWN FOR AS BUILT

RESTRAIN ALL JOINTS
INSTALL 2 BOLLARDS PER
DETAIL ON SHEET 10

6+80

NEW HOUSE ~~BENCO~~ ~~BOUL~~ 1508(3) BARTOLO PLACE
ASSUME FF = 36.0

36.10 X

W11.1 FIRE HYDRANT - INSTALL/FIRE HYDRANT WITHOUT VALVE, AT LOCATION SHOWN. (C.O.A. STD. DWG. 2340)

W17.1 WATER SERVICE - INSTALL 3/4" METERED WATER SERVICE LINE AS SHOWN. (C.O.A. STD. DWG. 2361 - CASE 5)

W17.1 WATER SERVICE - INSTALL 3/4" METERED
WATER SERVICE LINE AS SHOWN. (C.O.A.
STD. DWG. 2361 - CASE 5)

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS
 DATUMS FOR THIS SITE ARE
 TORQUE CONTROL STATIONS:
 35°03'40" LONG 16°41'03"
 03°26" LONG 106°41'09"
 DATUMS FOR THIS SITE ARE
 TORQUE BENCH MARK:
 ELEVATION = 4938.70
 (DATUM 1929)

SURVEY INFORMATION

FIELD NOTES

[illegible]

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

NOTE: SURFACE
TREATMENTS AND
ELEVATIONS PER SAS
SHEETS #9, #4, AND #2.
4, 5, & 6. No

ENGINEER'S SEAL



PT #	POINT DESCRIPTION	NORTHING	EASTING
8	FOUND #4 REBAR	1475948.39	368349.4
9	FOUND #4 REBAR	1475933.81	368451.22

BY _____

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SURVEYORS • INSPECTION SERVICES

500 COPPER AVENUE NW, SUITE 500
ALBUQUERQUE, NEW MEXICO 87102-3150
PHONE 505.247.0294 • FAX 505.247.4845

NO.	DATE	REMARKS	
<i>REVISIONS</i>			
ASCG, INC.			
DESIGNED BY	K JACOBSEN	DATE	11-26-01
DRAWN BY	L SISNEROS	DATE	11-26-01
CHECKED BY	P RUINFEL S	DATE	11-26-01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
MAINTENANCE SECTION

ENGINEERING DEVELOPMENT GROUP

WATER AND SEABEA BATHING PLACE SW

COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
BARTOLO PLACE SW

W12 STA 5+40 TO STA 6+62 WATER F

Design Review Committee	City Engineer Approval	te
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data



2002

DESIGN

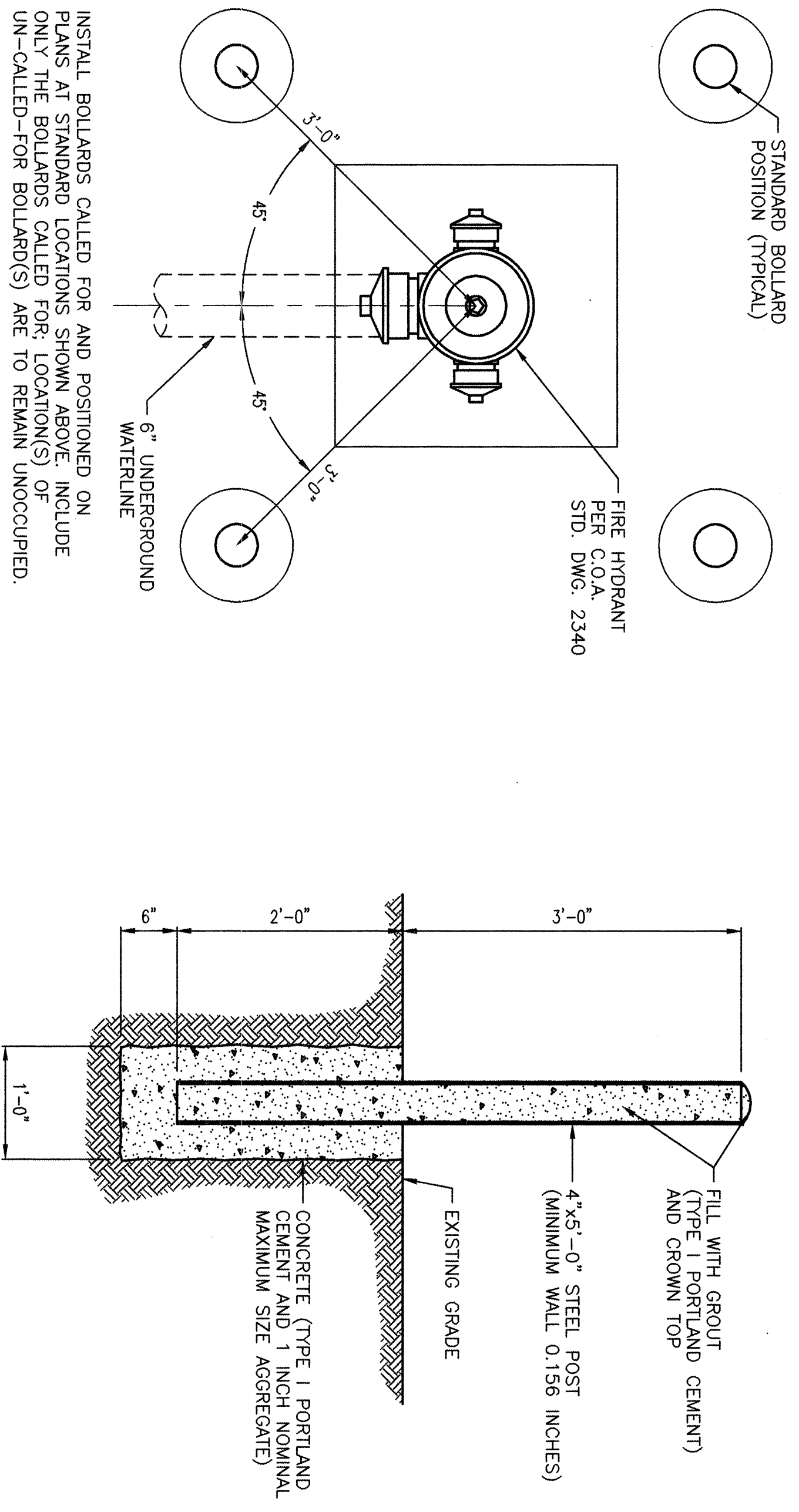
NEW COMMITTEE CITY ENGINEER 7

City Project No.	Zone Map No.
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4956.934 MIT /

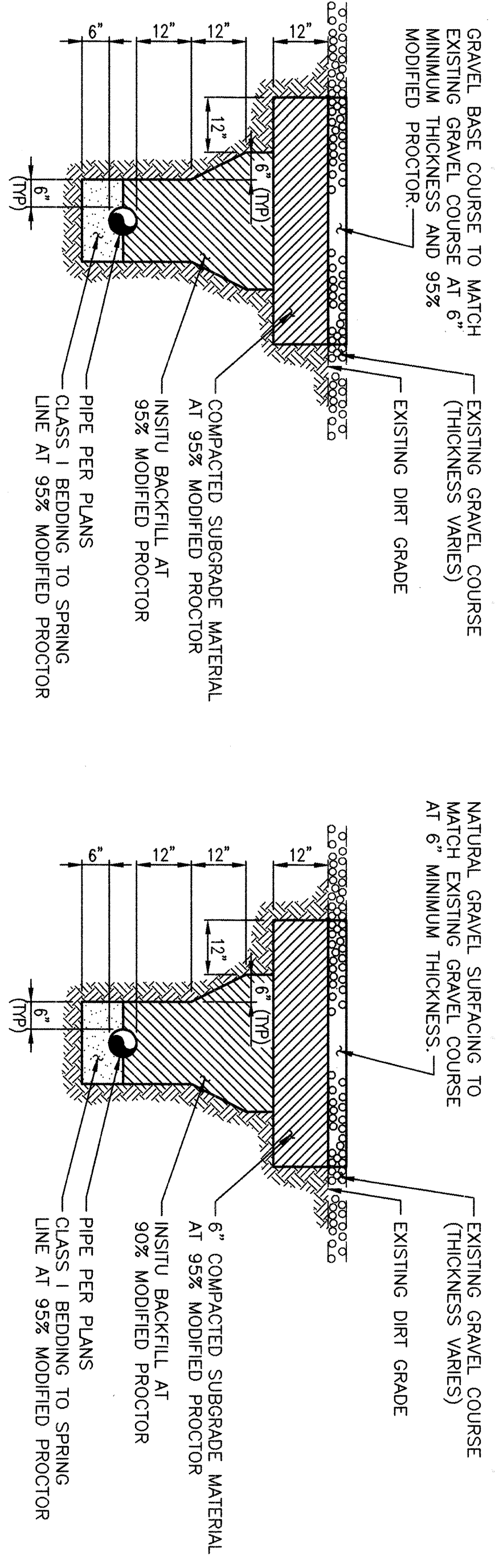
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P:\94039\94039_11\C\3\S-11W2.dwg 11-30-01 ME



FIRE HYDRANT BOLLARD LAYOUT
SCALE: 1"=1'-0"

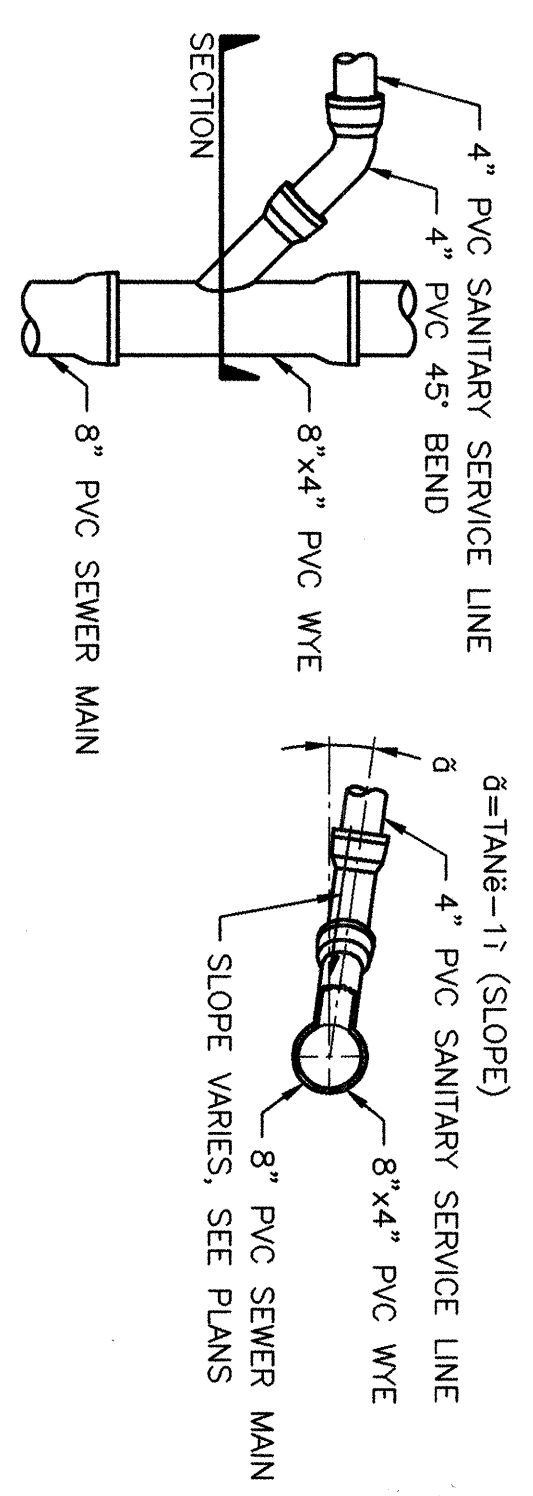
BOLLARD DETAIL
SCALE: 1"=1'-0"



- COUNTY R.O.W. NOTES
- IF EXISTING GRAVEL COURSE IS NOT PRESENT, FINISH AGGREGATE BASE COURSE TO MATCH EXISTING DIRT GRADE.
 - IF TRENCHING IS IN PAVED STREET SECTION, PAVEMENT SHALL BE CUT AND REPLACED PER BERNALILLO COUNTY DRAWING 2465.
- BERNALILLO COUNTY
- CITY R.O.W. NOTES
- IF EXISTING GRAVEL COURSE IS NOT PRESENT, FINISH AGGREGATE BASE COURSE TO MATCH EXISTING DIRT GRADE.
 - IF TRENCHING IS IN PAVED STREET SECTION, PAVEMENT SHALL BE CUT AND REPLACED PER COA STD DWG 2465.
- CITY OF ALBUQUERQUE

PIPELINE TRENCH DETAIL FOR DIRT AND GRAVEL SURFACES
SCALE: 1/2"=1'-0"

4 THRU 8
10 THRU 15
17 THRU 20
22 THRU 25
27 THRU 44
46, 47, 48, 50



SHALLOW SEWER TAP DETAIL
SCALE: NONE

4
6
51

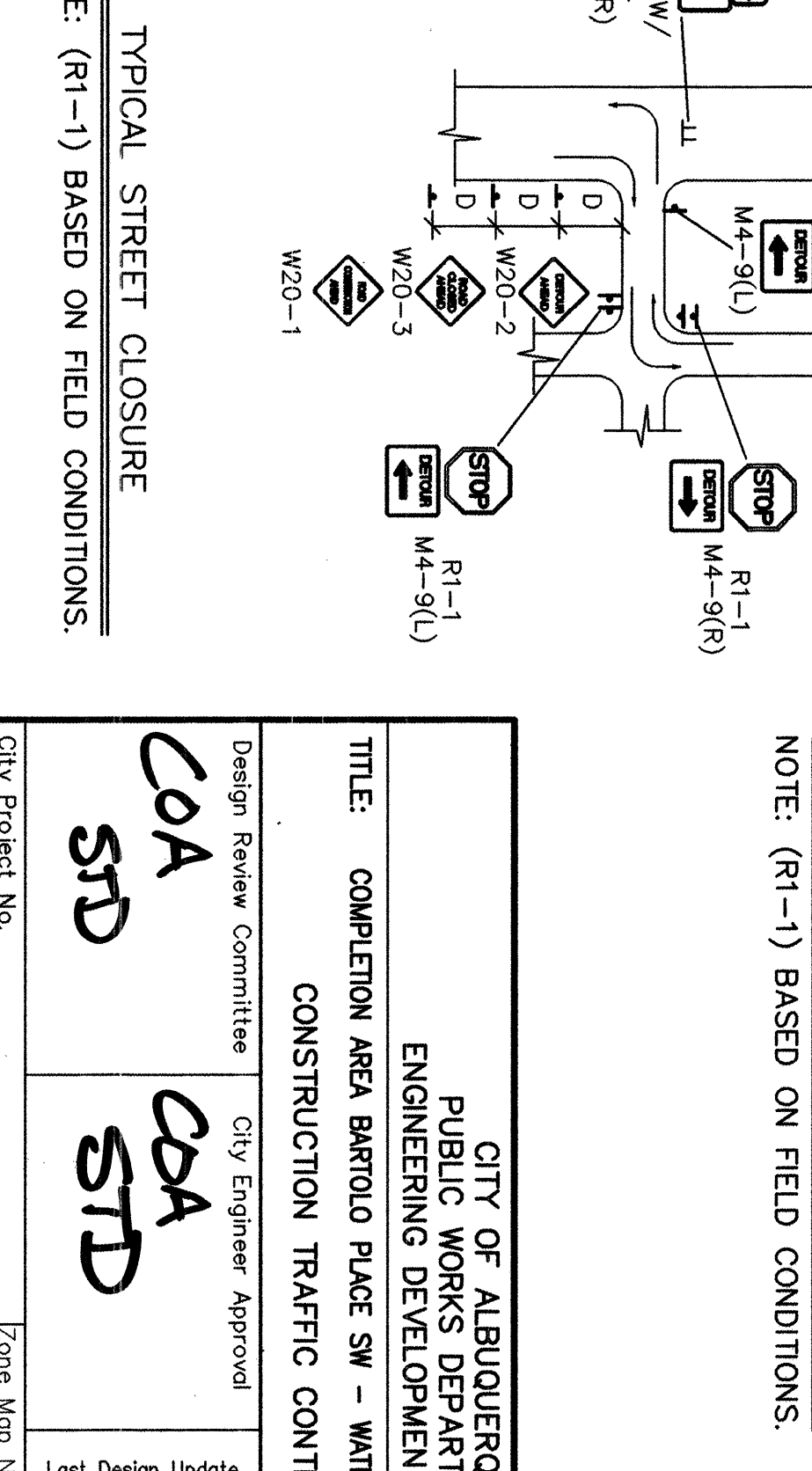
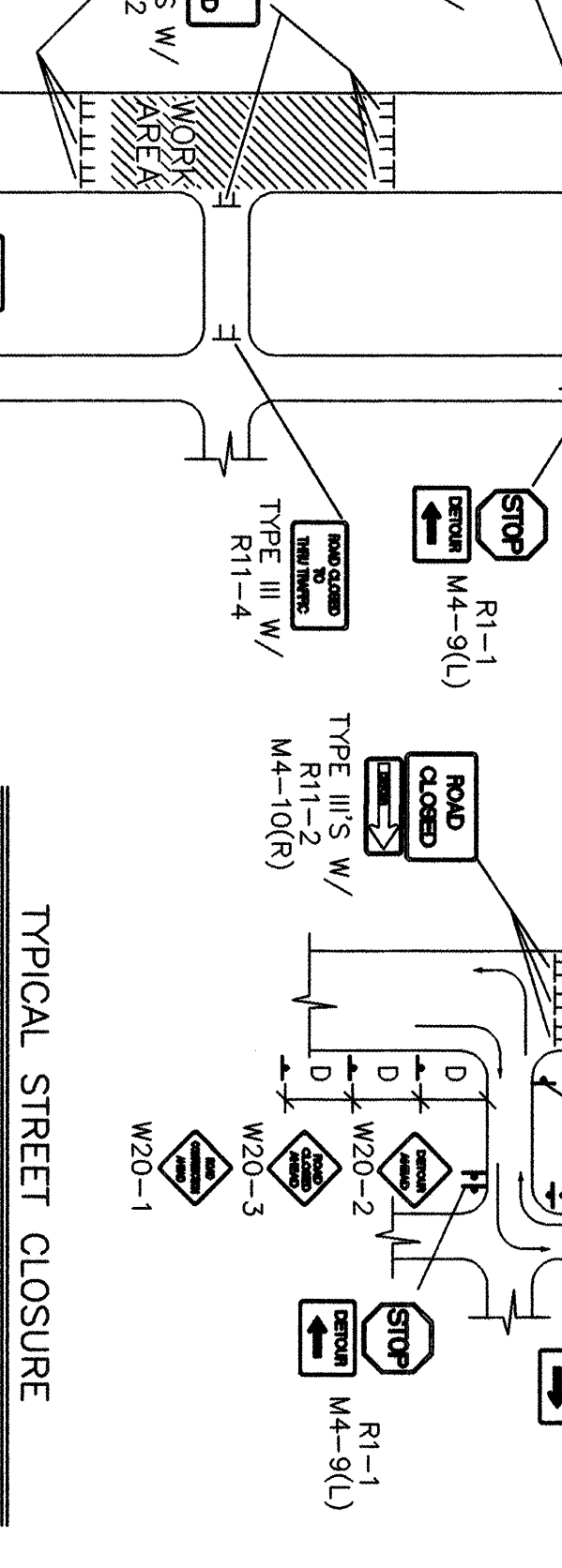
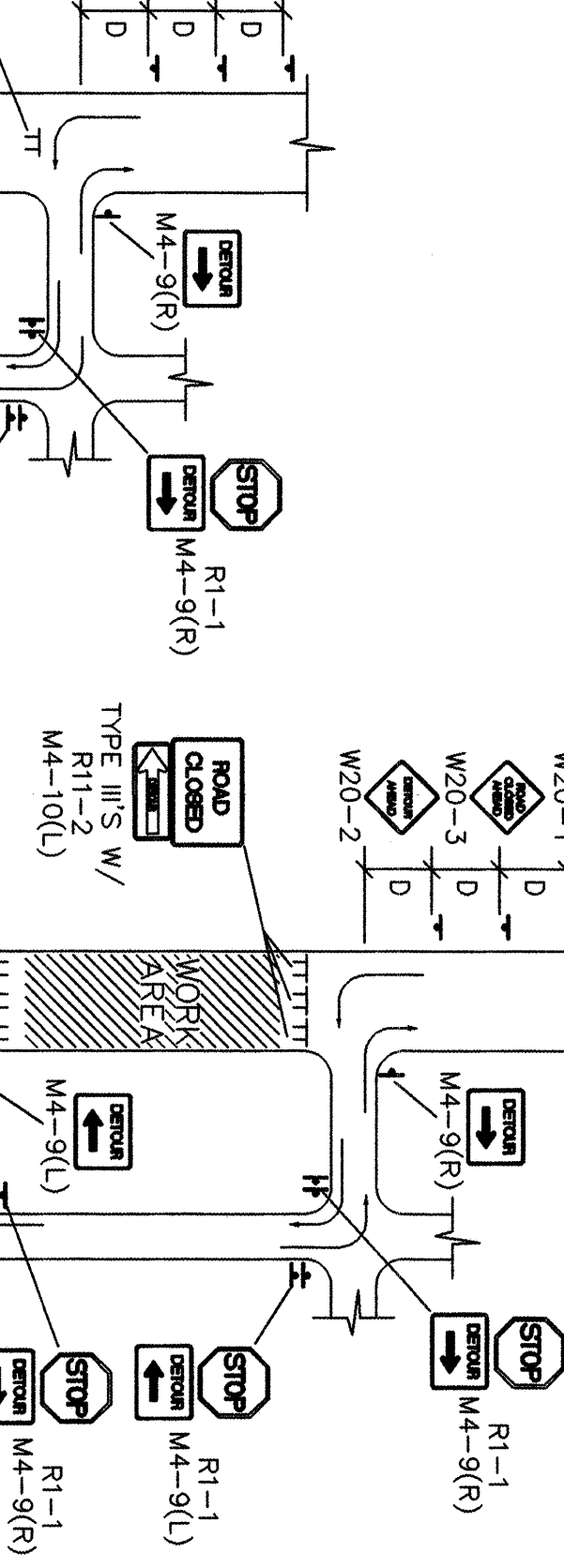
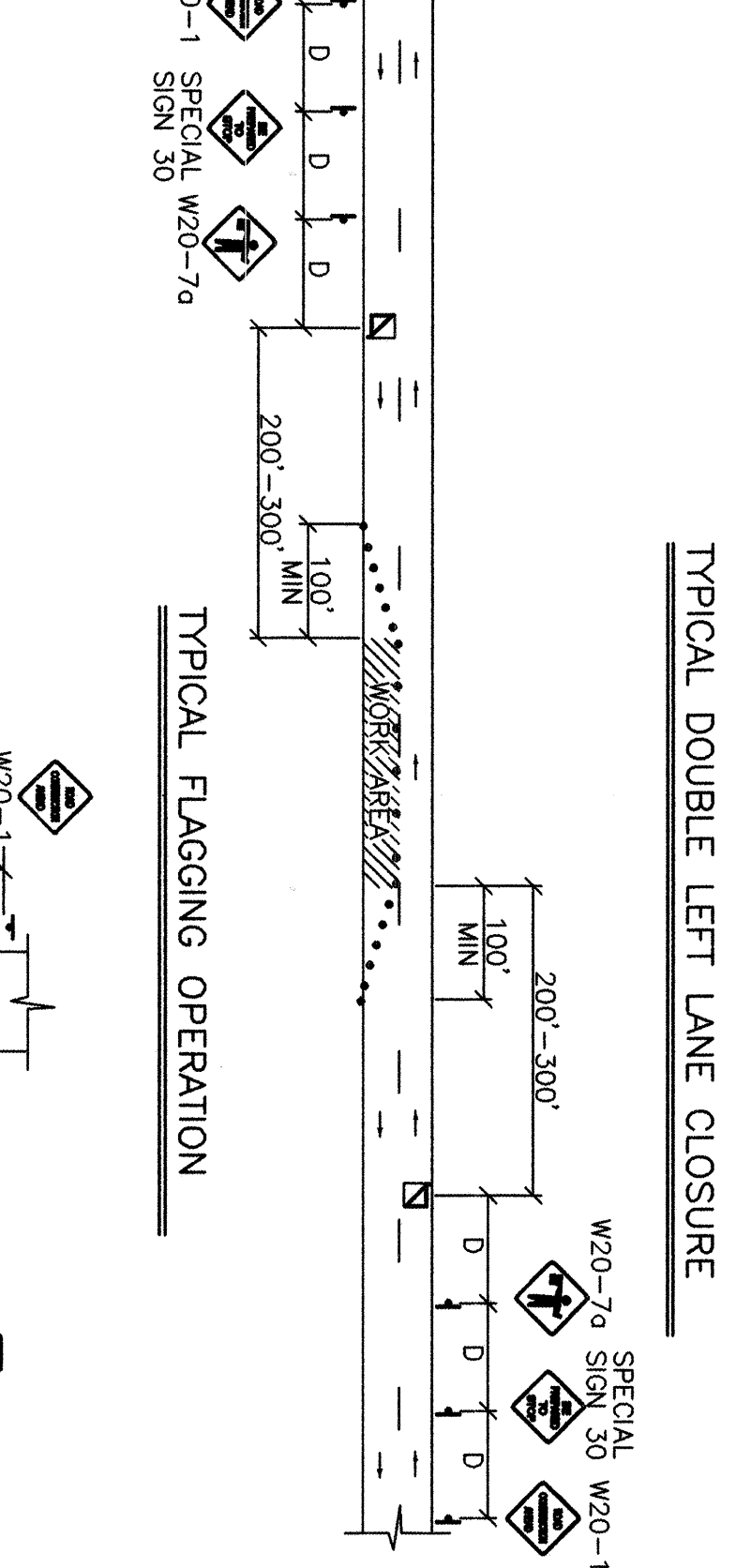
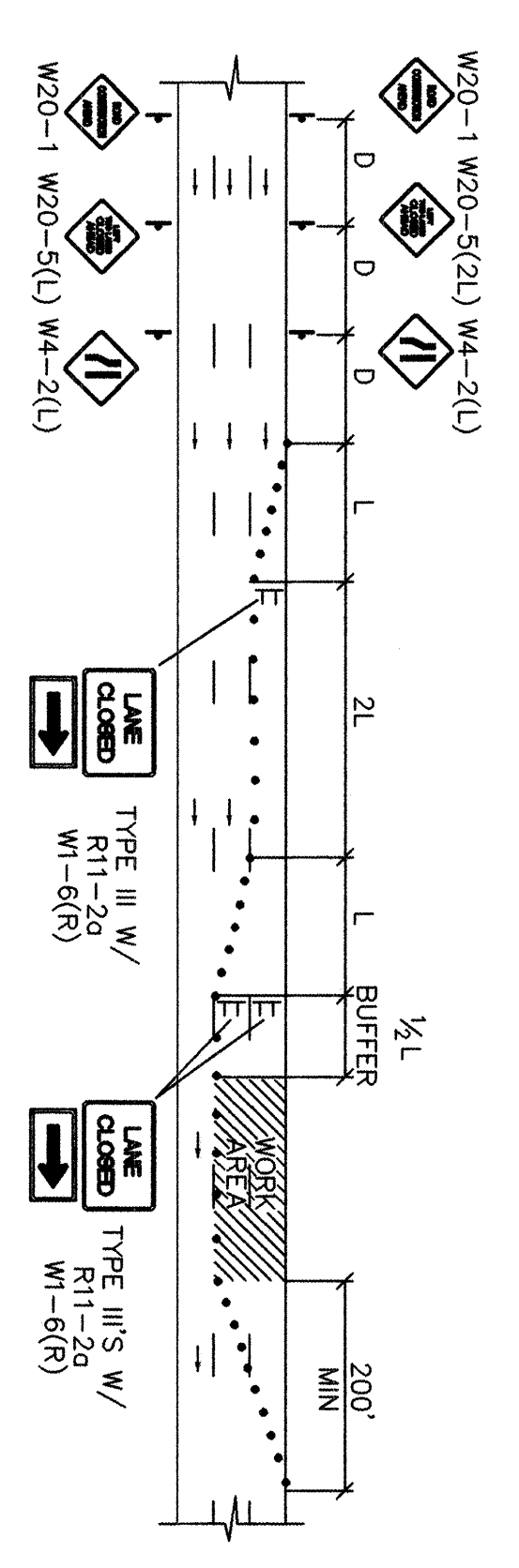
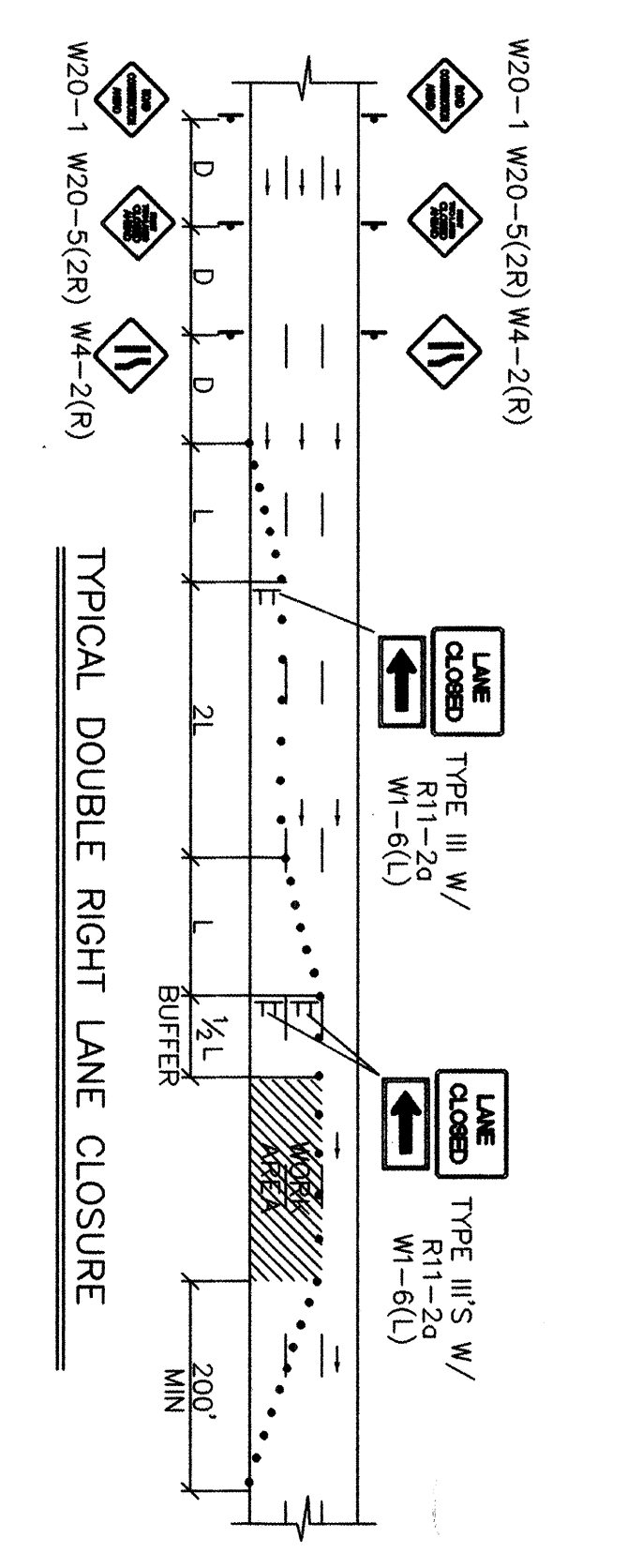
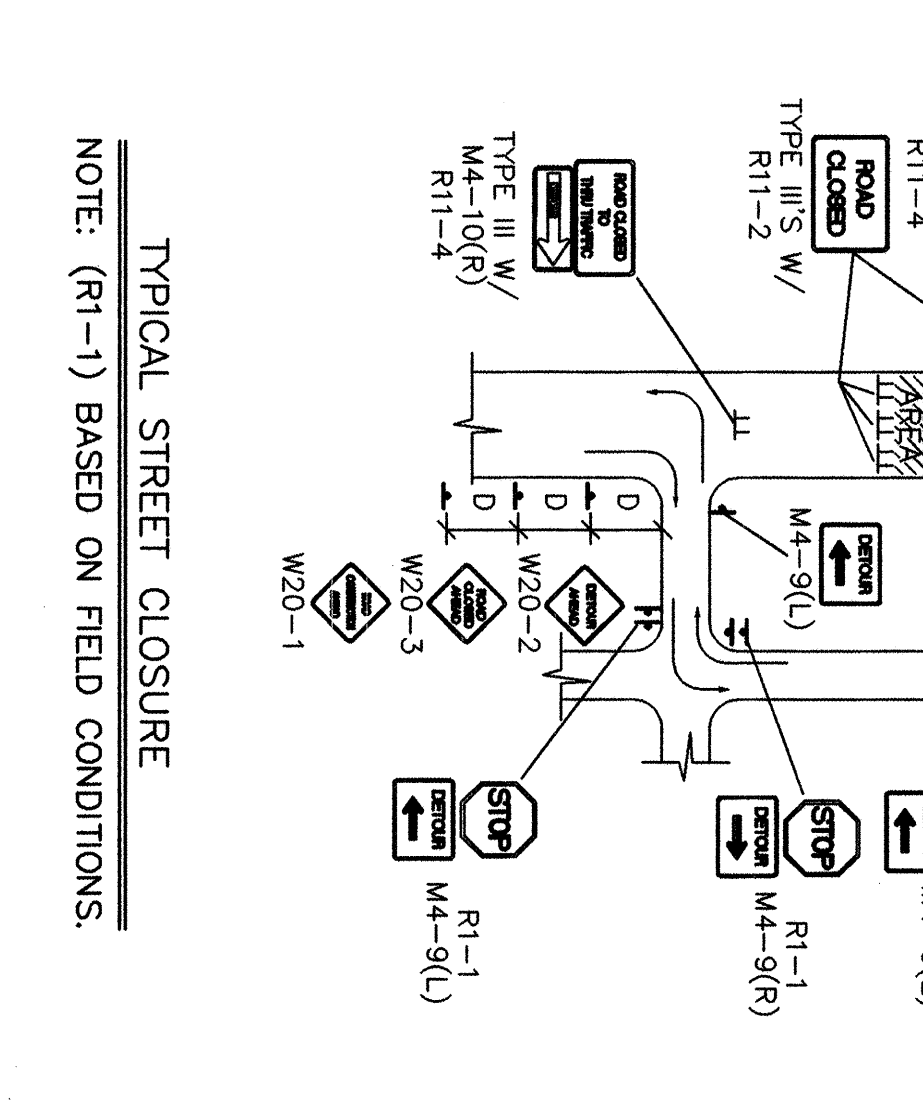
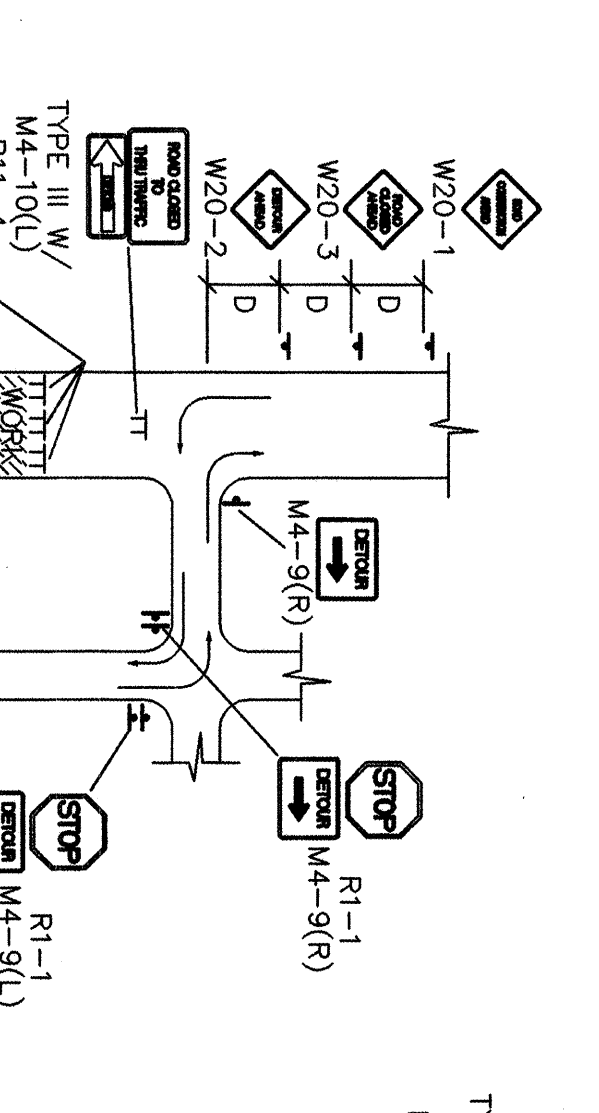
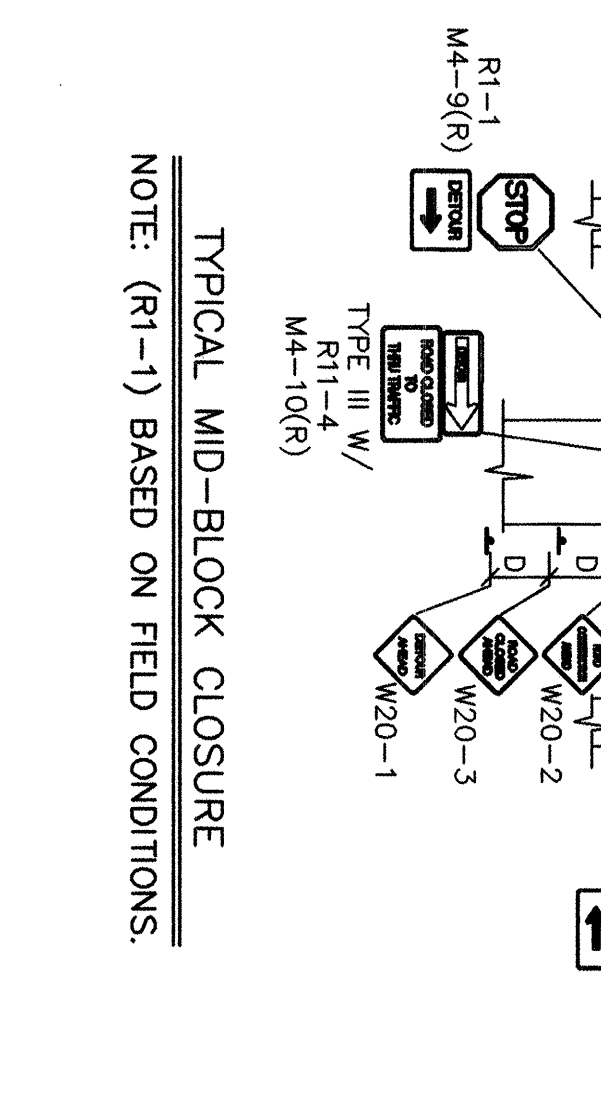
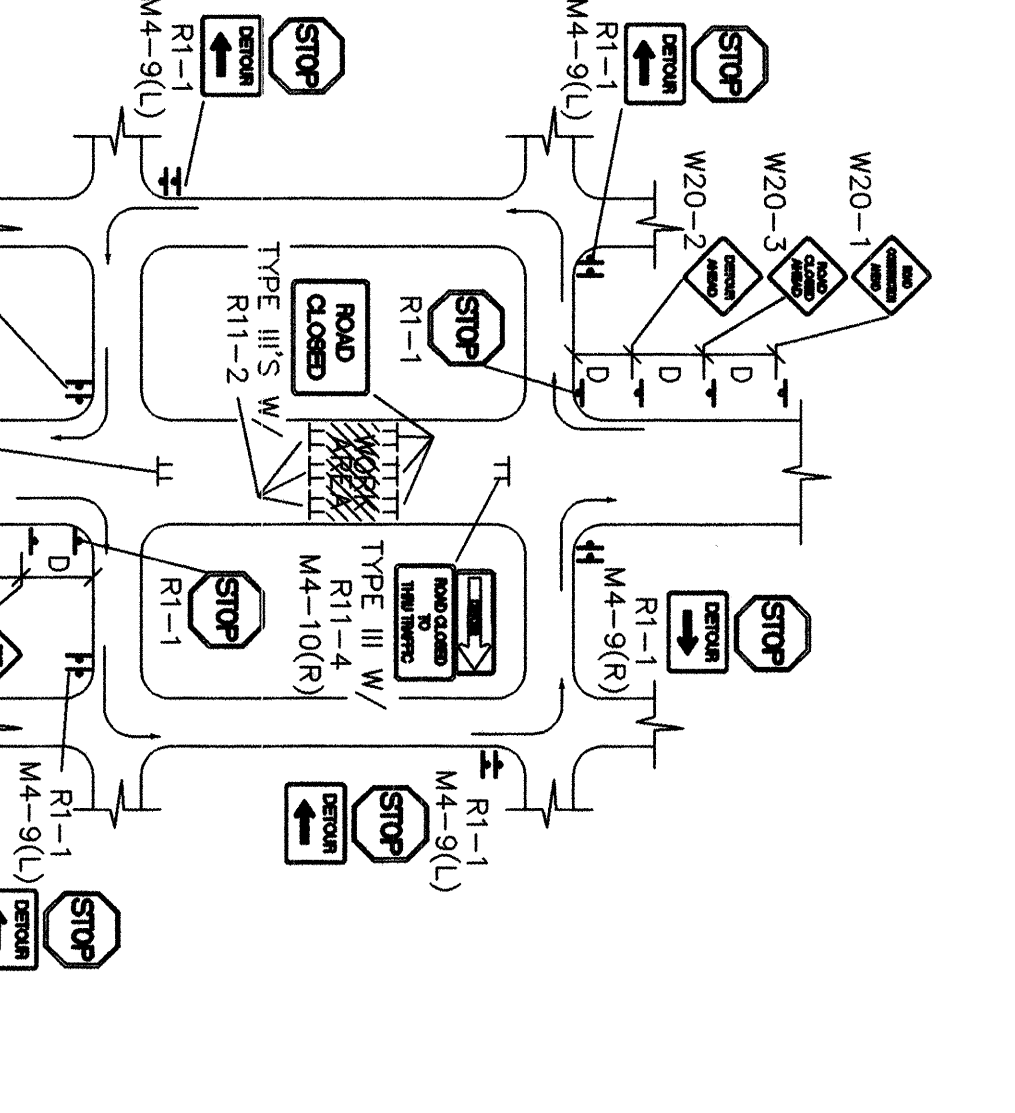
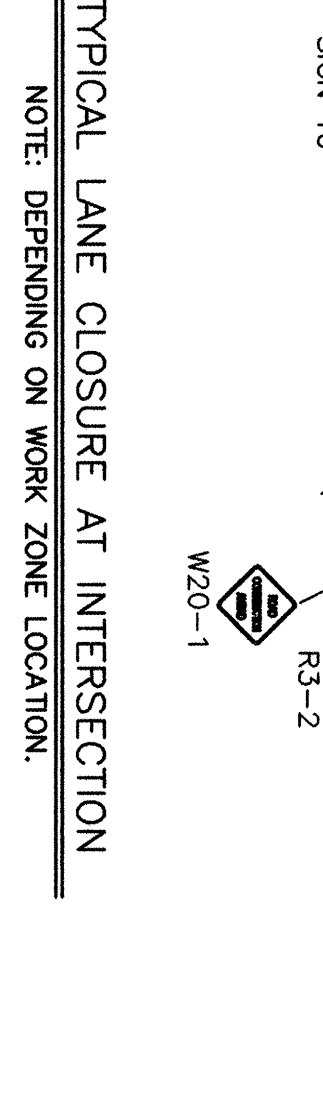
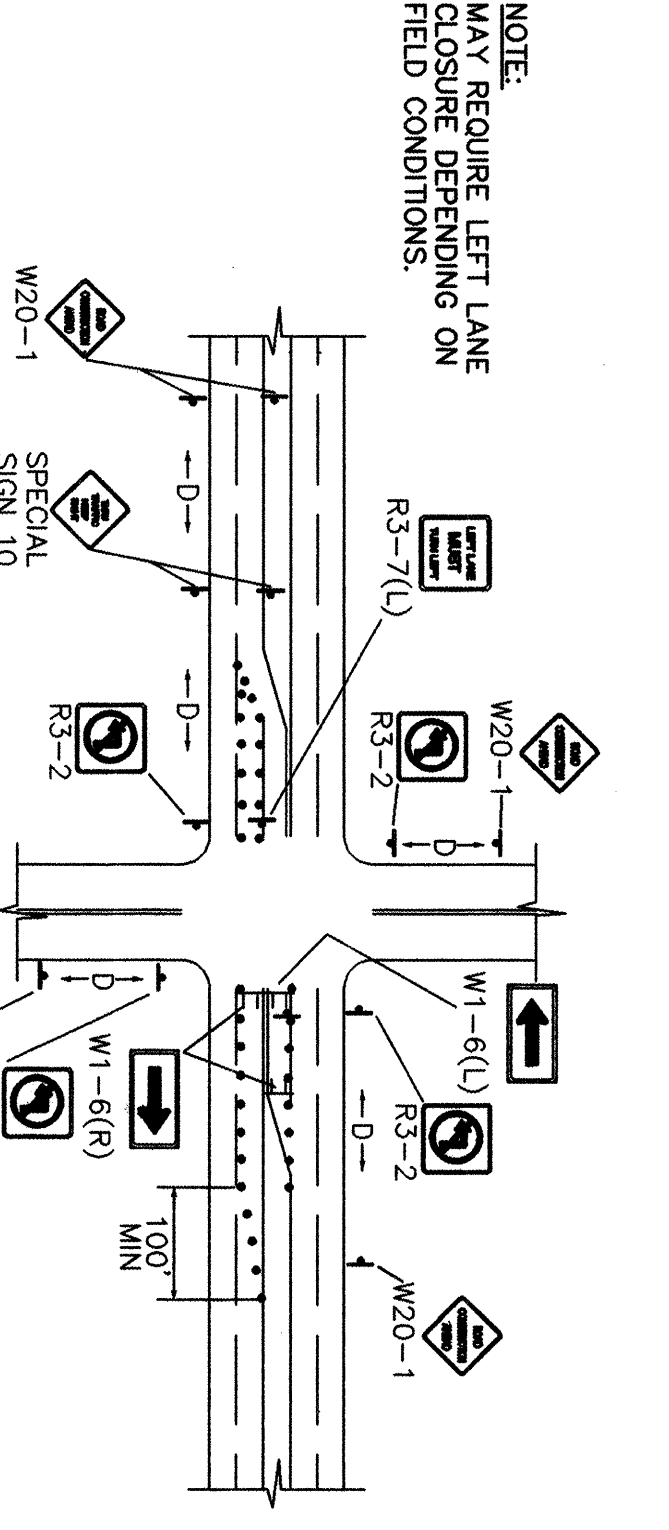
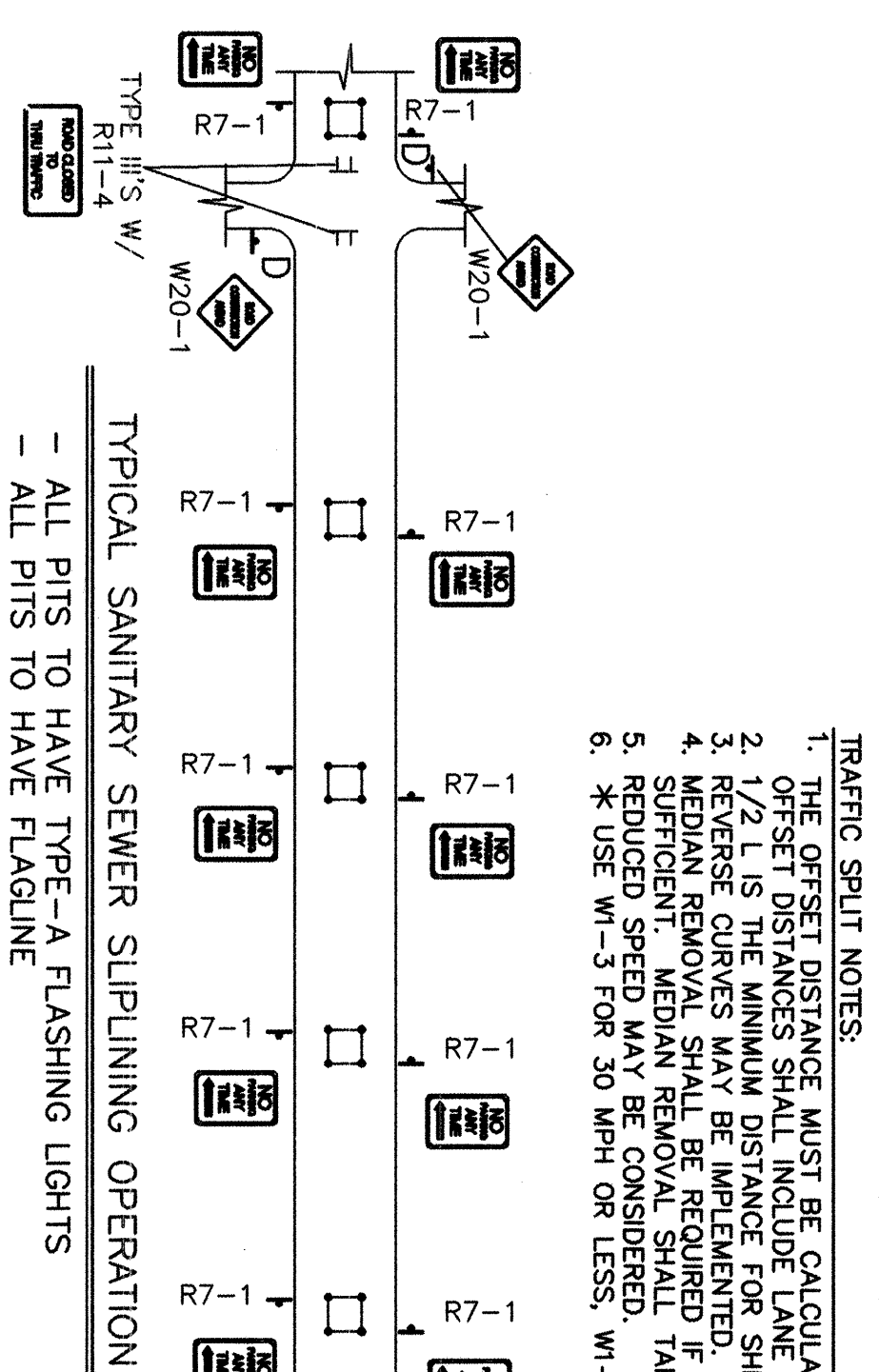
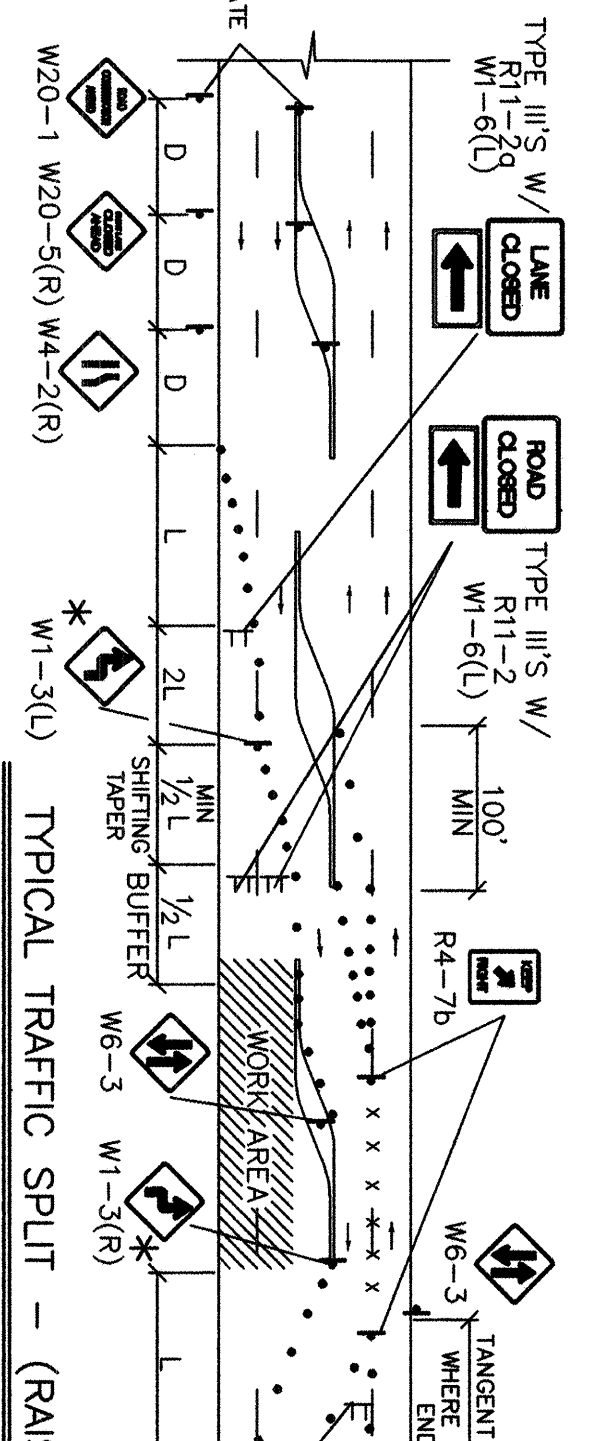
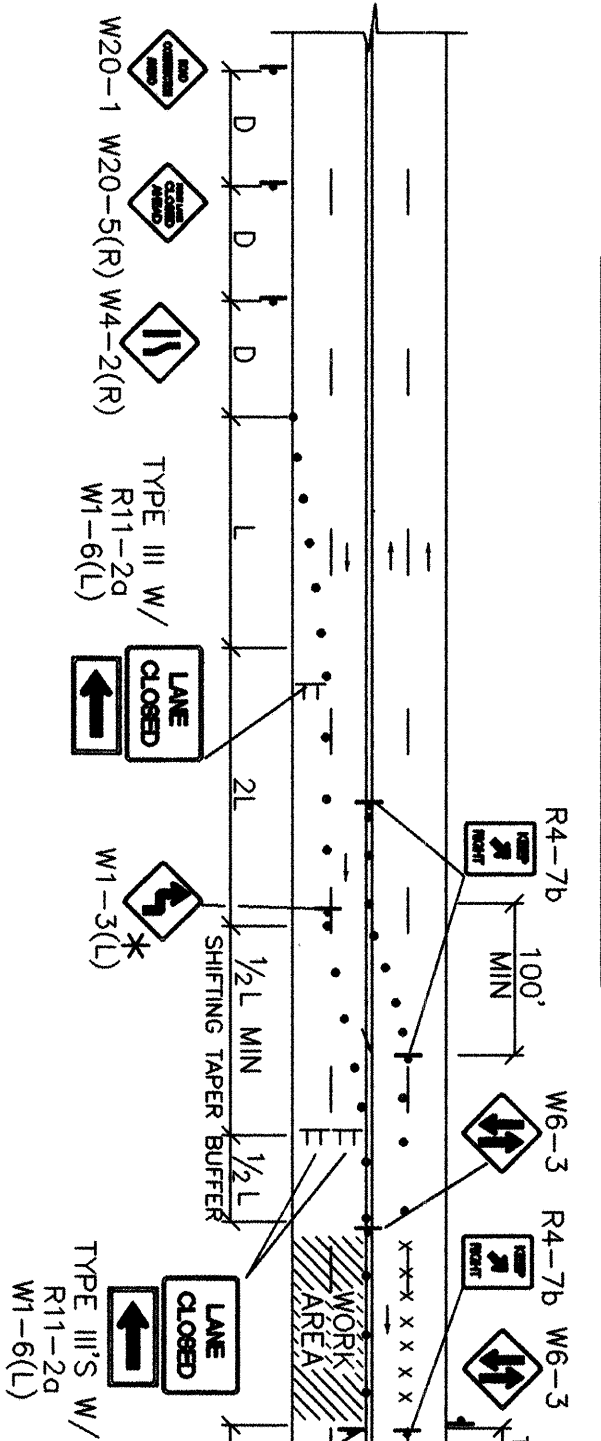
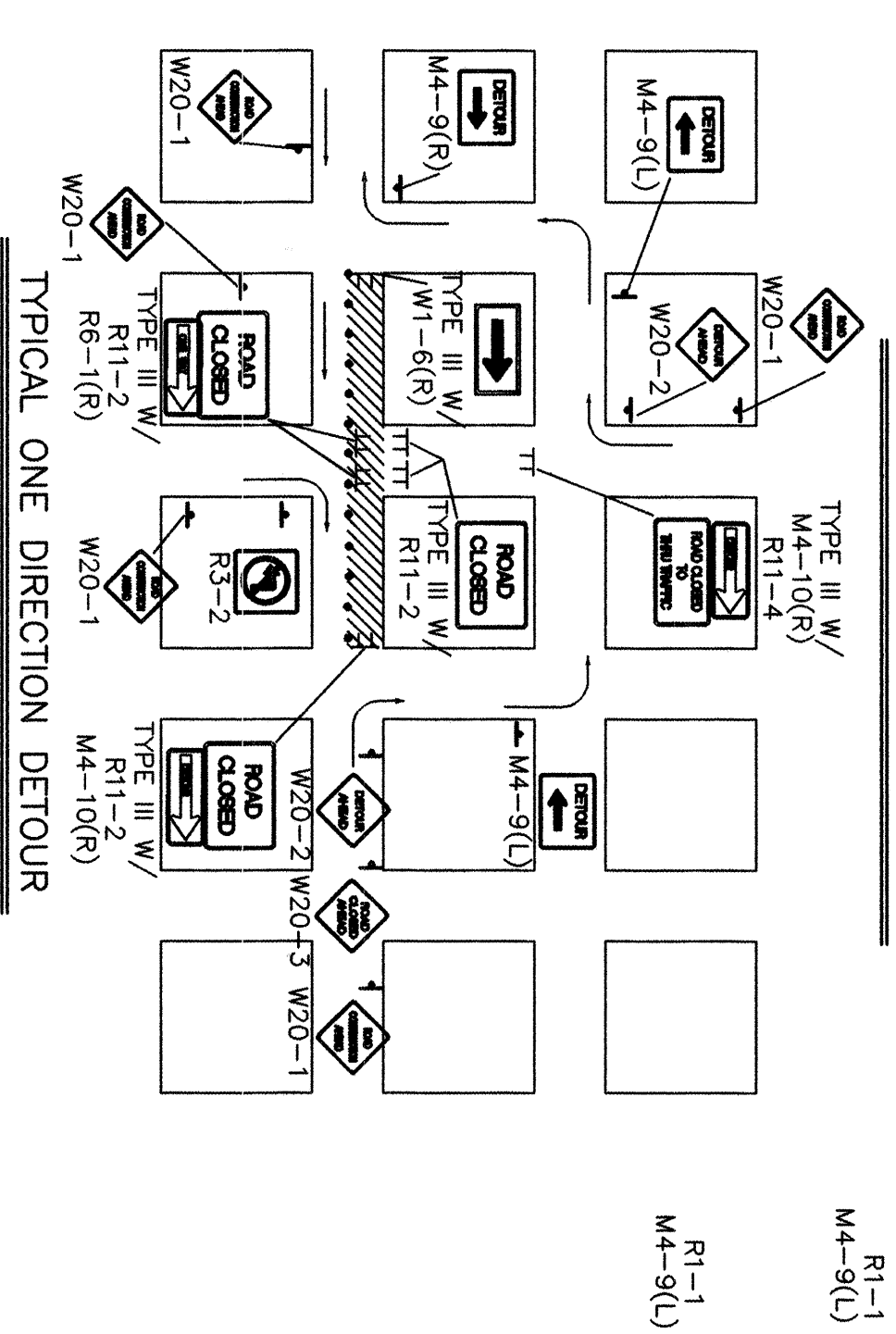
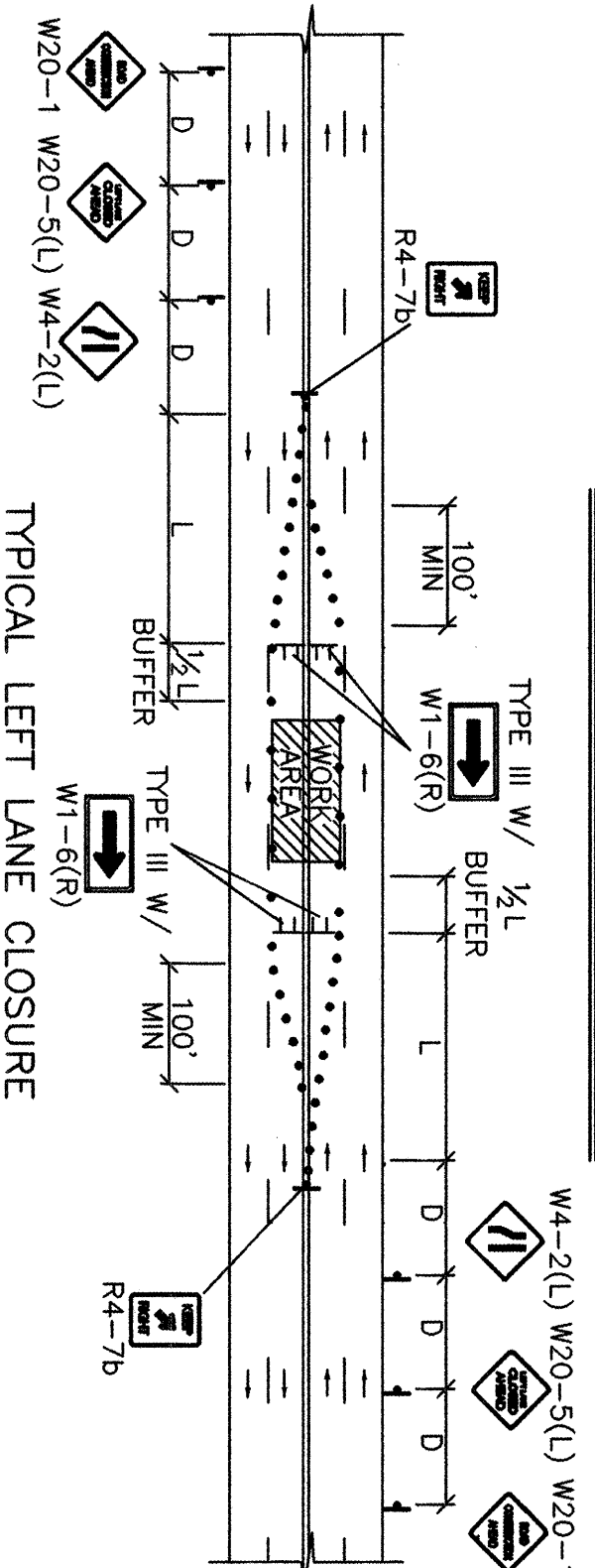
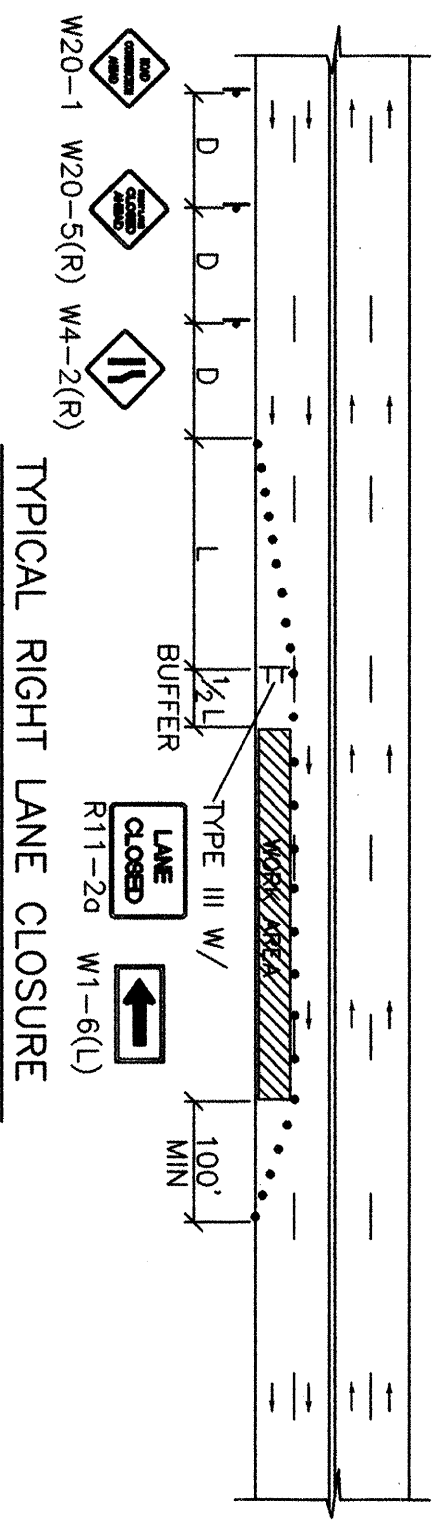
RECORD DRAWING
Date 05-27-03
These drawings have been revised based on the construction records of the owner. The Engineer will not be responsible for the accuracy of this information nor for errors or omissions in the drawings or the record document as a result thereof.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR						FIELD NOTES					
WORK STAKED BY	DATE					NO.	BY	DATE			
INSPECTOR'S ACCEPTANCE BY	DATE										
FIELD VERIFICATION BY	DATE										
DRAWINGS CORRECTED BY	DATE										
MICRO-FILM INFORMATION											
RECORDED BY	DATE										
NO.											

NO.	DATE	REMARKS	BY
1	5/03	AS BUILT	
REVISIONS			
ASCG, INC.			
DESIGNED BY	K JACOBSEN	DATE 11-30-01	
DRAWN BY	L SISNEROS	DATE 11-30-01	
CHECKED BY	P RUNNELS	DATE 11-30-01	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: COMPLETION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT
DETAIL SHEET

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN	REVIEW COMMITTEE	City Engineer	City Engineer
City Project No.	Zone Map No.	Sheet	Of
4956.94	-	10	12



AS BUILT INFORMATION	
CONTRACTOR	DATE
WORK TAKEN BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	

SURVEY INFORMATION	
FIELD NOTES	
NO.	DATE

ENGINEER'S SEAL	

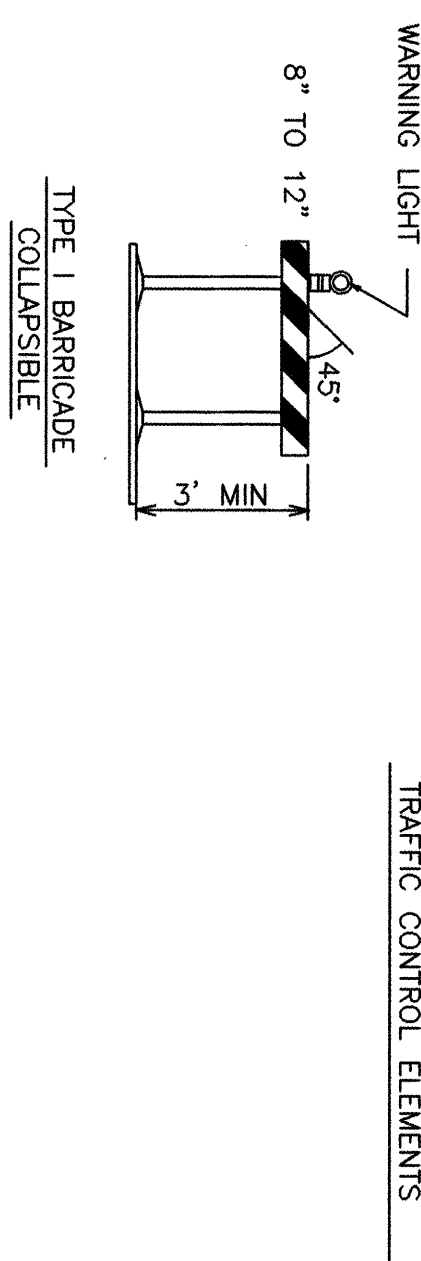
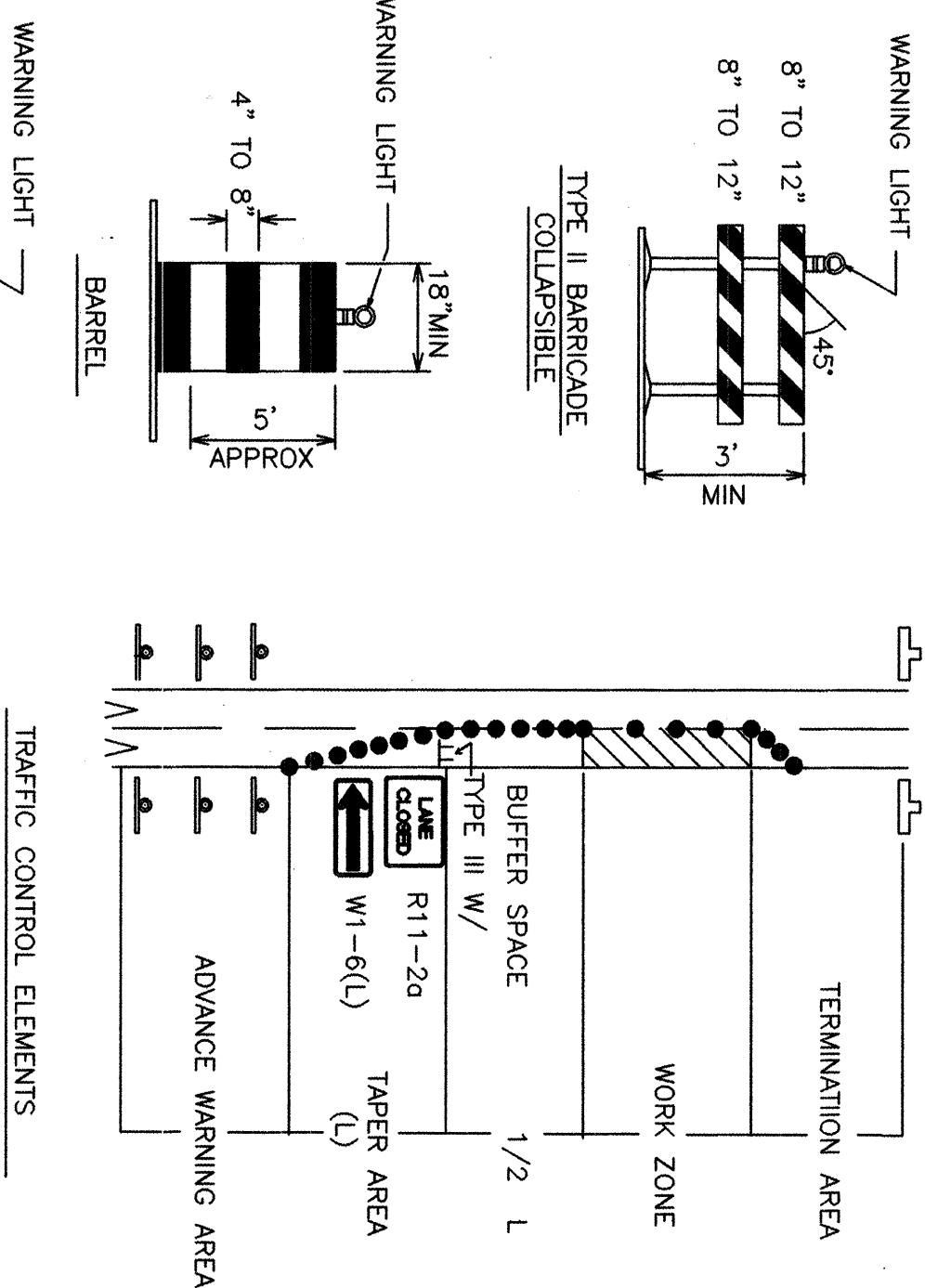
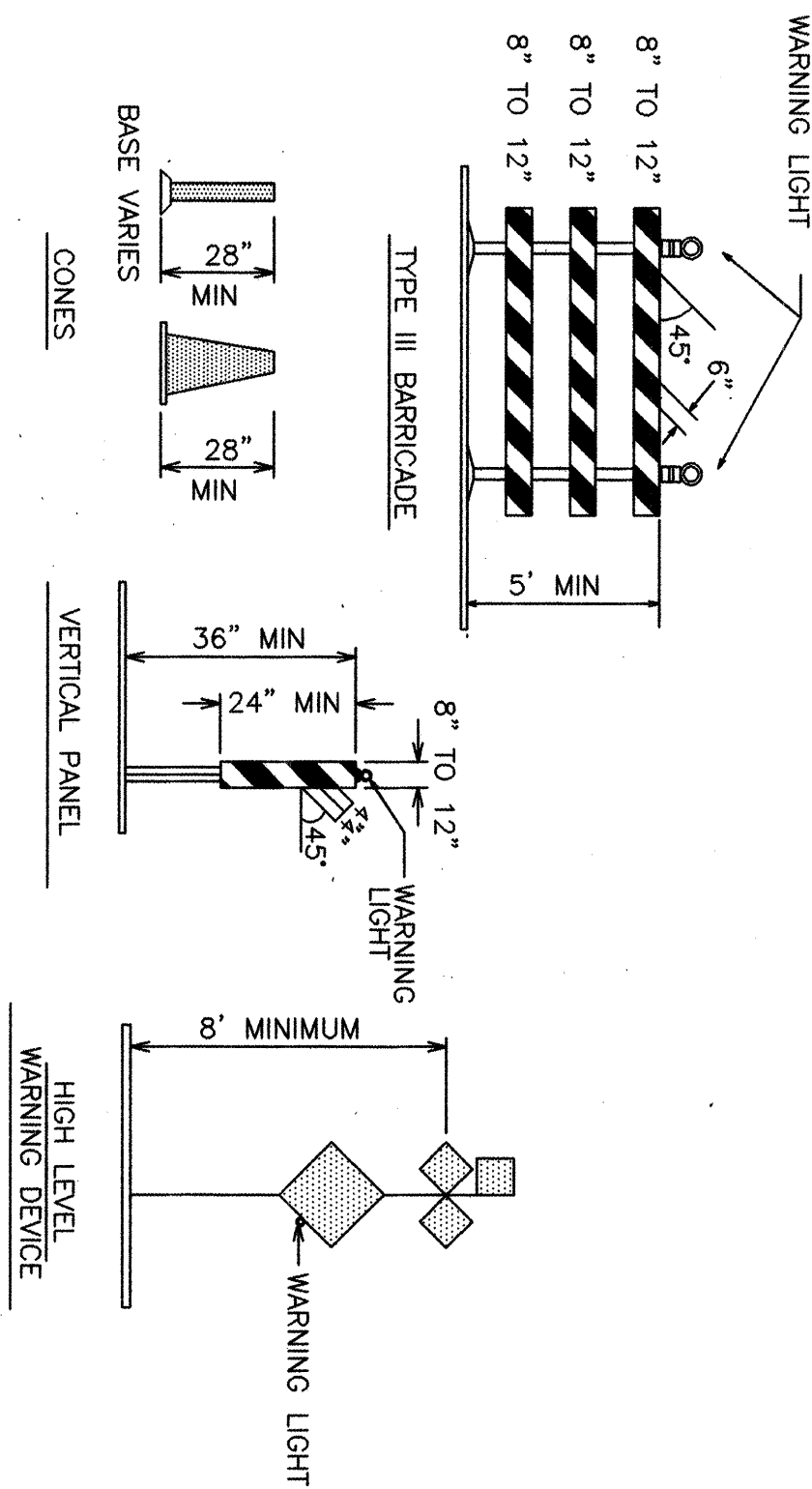
REVISIONS	
NO.	DATE

CITY OF ALBUQUERQUE	
PUBLIC WORKS DEPARTMENT	
ENGINEERING DEVELOPMENT GROUP	
CONSTRUCTION AREA BARTOLO PLACE SW - WATER AND SEWER PROJECT	
CONSTRUCTION TRAFFIC CONTROL DETAILS	
Design Review Committee	City Engineer Approval
Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.
4956.94	-
Sheet	11
Of	12

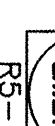
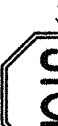
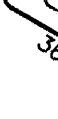
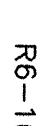
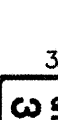
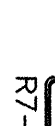
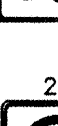
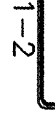
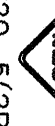
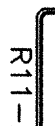
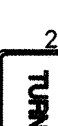
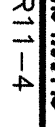
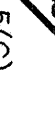
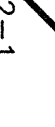
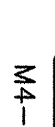
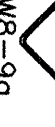
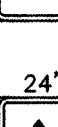
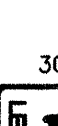
CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN PERMITS BEFORE CONSTRUCTION COORDINATION AND EXCAVATION/BARRICADE PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
2. CONTRACTOR SHALL, AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN, DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRAINAGE, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION OF THE PROJECT. SPECIFIC CHANGES OF A CONSTRUCTION PROJECT SHALL BE NOTIFIED TO CONSTRUCTION COORDINATION. BLANKET PERMITS WILL NOT BE ISSUED.
3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRAINWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UTILITY TRAFFIC CONTROL DEVICES, 10TH LATEST EDITION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SETBACK AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES AND SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPEERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH WHITE OPACQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE AND CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

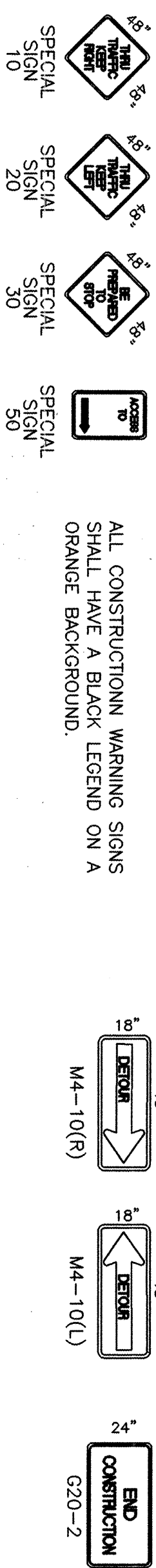
21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER, MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE MUTCD.
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



SIGN FACE DETAILS

 R3-1	 R1-1	 W20-1	 W4-2(R)	 W1-1(R)	 W1-1(L)
 R3-1a	 R1-2	 W20-2	 W4-2(L)	 W1-2(R)	 W1-2(L)
 R6-1(L)	 R2-1	 W20-3	 W6-3	 W1-3(R)	 W1-3(L)
 R6-1(R)	 R2-5a	 W20-4	 W8-1	 W1-3(R)	 W1-3(L)
 R7-1	 R2-5b	 W20-5(R)	 W8-3	 W1-3(R)	 W1-3(L)
 R7-1	 R3-1	 W20-6(L)	 W8-3A	 W1-3(R)	 W1-3(L)
 R7-1	 R3-2	 W20-6(CR)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	 W1-3(L)
 R7-1	 R3-3	 W20-6(2L)	 W8-7	 W1-3(R)	

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



LEGEND

- | | |
|---|--|
|  | WORK AREA |
| • | BARRICADE – TYPE I, TYPE II, OR BARREL |
| ⊥ | BARRICADE – TYPE III |
| ⊥ | VERTICAL PANEL |
| ⊥ | WARNING SIGN |
| D | DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET |
| □ | FLAGMAN POSITION |
| S | SPACING BETWEEN BARRICADES – A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET |
| L | TAPER LENGTH – SEE CHART BELOW |

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L)			MINIMUM NUMBER OF PIPS FOR TAPER	MAXIMUM DEVICE SPACING IN FEET
	10' LANE	11' LANE	12' LANE		
20	70	75	80	5	20
25	105	115	125	6	25
30	150	165	180	7	30
35	205	225	245	8	35
40	270	295	320	9	40
45	450	495	540	13	45
50	500	550	600	13	50
55	550	605	660	13	55

RECOMMENDED SIGN SPACING(D) FOR
ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE BETWEEN SIGNS	IN FEET FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA	
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	1 MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK
85-PERCENTILE SPEED IN MPH

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: COMPLETION AREA, BARTOLO PLACE SW – WATER AND SEWER PROJECT CONSTRUCTION TRAFFIC CONTROL DETAILS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
CCA STD		Last Design Update	
City Project No.	Zone Map No.	Sheet	Of
4956.94	-	12	12

					ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
					FIELD NOTES						CONTRACTOR					
					NO.	BY	DATE				WORK STARTED BY DATE					
											INSPECTOR'S ACCEPTANCE BY DATE					
											FIELD VERIFICATION BY DATE					
											DRAWINGS CORRECTED BY DATE					
											MICRO-FILM INFORMATION					
											RECORDED BY DATE					
											NO.					
NO.	DATE	REMARKS		BY												
REVISIONS																
ASCG, INC.																
DESIGNED BY	K JACOBSEN	DATE	11-30-01													
DRAWN BY	L SISNEROS	DATE	11-30-01													
CHECKED BY	P RUNNELS	DATE	11-30-01													