CITY OF ALBUQUERQUE, NEW MEXICO PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

SOUTHWESTERN SKIES ADDITION

SHEET NO.	DES
1	COVE
2-3	OVER,
4	WATE
5-7	COOR
8-10	SAGE
11	75TH
12-13	AMAL
14-15	BLAN
16-17	EDUA
18	AIRPO
19	COOR
20	WEST
21	MISCE
	TEMP
23-26	TRAF

CONSTRUCTION PLANS FOR

SHEET INDEX

SCRIPTION & STREET NAME

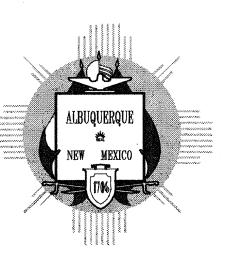
ER & INDEX RALL WATER & SEWER PLAN ER SHUT-OFF PLAN/SEQUENCE OF CONSTRUCTION RS BLVD. S.W. ROAD S.W. STREET S.W. LIA ROAD S.W. IDFORD ROAD S.W. ARDO ROAD S.W. ORT ROAD S.W. RS BYPASS-BLANDFORD COURT S.W. EASEMENT S.W. CELLANEOUS DETAILS PORARY FLUSHING STATION (NDT IN THIS SET) FFIC CONTROL

APPROVAL OF AS BUILT DRAWINGS CHIEF CONSTRUCTION ENGINEER un

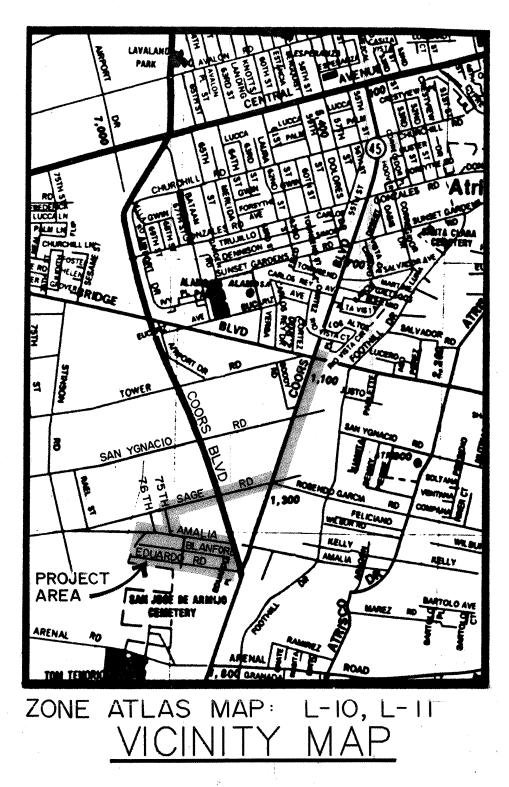
RECORD DRAWINGS THE DRAWING HAVE BEEN REVISED TO REFLECT THE CONSTRUCTED FIELD CONDITIONS IN ACCORDANCE WITH IN-FORMATION PROVIDED BY CONTRACTOR AND CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.



City of Allbuguergue



ALL ON THE REAL OF
APPROVED FOR CONSTRUCTION
Charles R Bowman 12/10/93
BERNALILLO COUNTY DATE
Recurso Brand 12/10/93 CITY OF ALBUQUERQUE DATE



GENERAL NOTES:

THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE WATER SYSTEMS DIVISION (857-8200) 3 WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES SEE SHEET 4 OF 29 FOR WATER SHUT-OFF PLAN.

FOR HEREON. BE CONSTRUCTED IN ACCORDANCE WITH THE C.O STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 6 EDITION (AS AMMENDED WITH UPDATE #4) AND THE BERNALIL COUNTY STANDARDS FOR PUBLIC WORKS CONSTRUCTION, WHERE CON-

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. THE LOCATIONS OF ALL GAS, ELECTRIC, CABLE TV, AND TELEPHONE WERE OBTAINED FROM THEIR RESPECTIVE ORGANIZATIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CROSSINGS WITH THEIR RESPECTIVE ORGANIZATIONS.

ALL COMPACTION FOR THIS PROJECT WILL BE 95% OF THE MAXIMUM DRY DENSITY PER ASTM D 1557.

THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT-OF-WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBUQUERQUE, EFFECTIVE 08-20-90.

TRAFFIC CONTROL

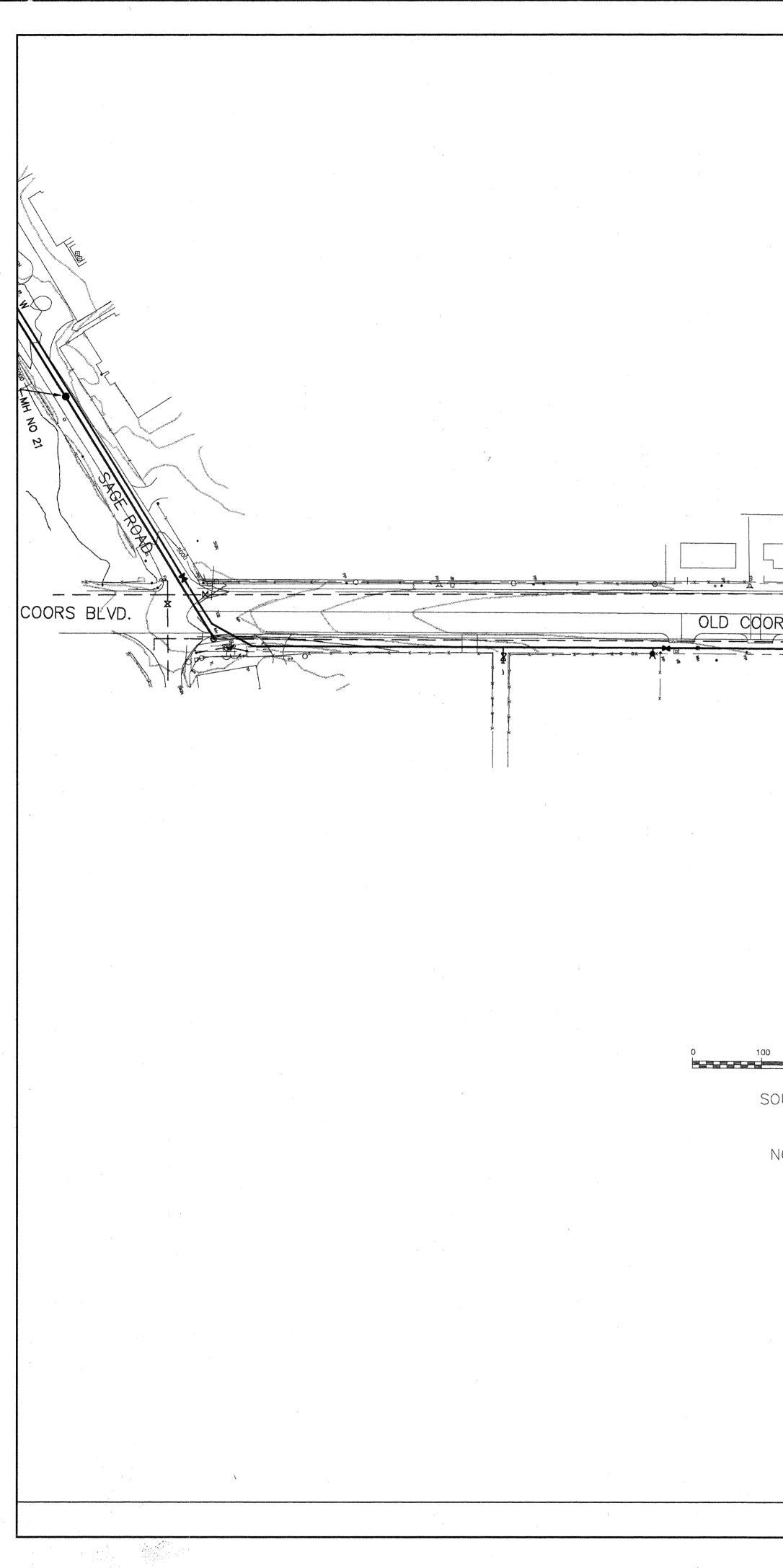
KOlsa, P.E.

5/13/97

THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATOR. A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (841-2700) & BERNALILLO COUNTY PUBLIC WORKS DEPART-MENT (843-6120).

ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET. THIS WORK SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL. ALL RESTRIPING MUST MEET THE REQUIRE-MENTS OF THE SPECIFICATIONS AND MUST BE APPROVED BY THE CON-STRUCTION COORDINATOR.

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	REVISION SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE	
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				4515.	.94		26	



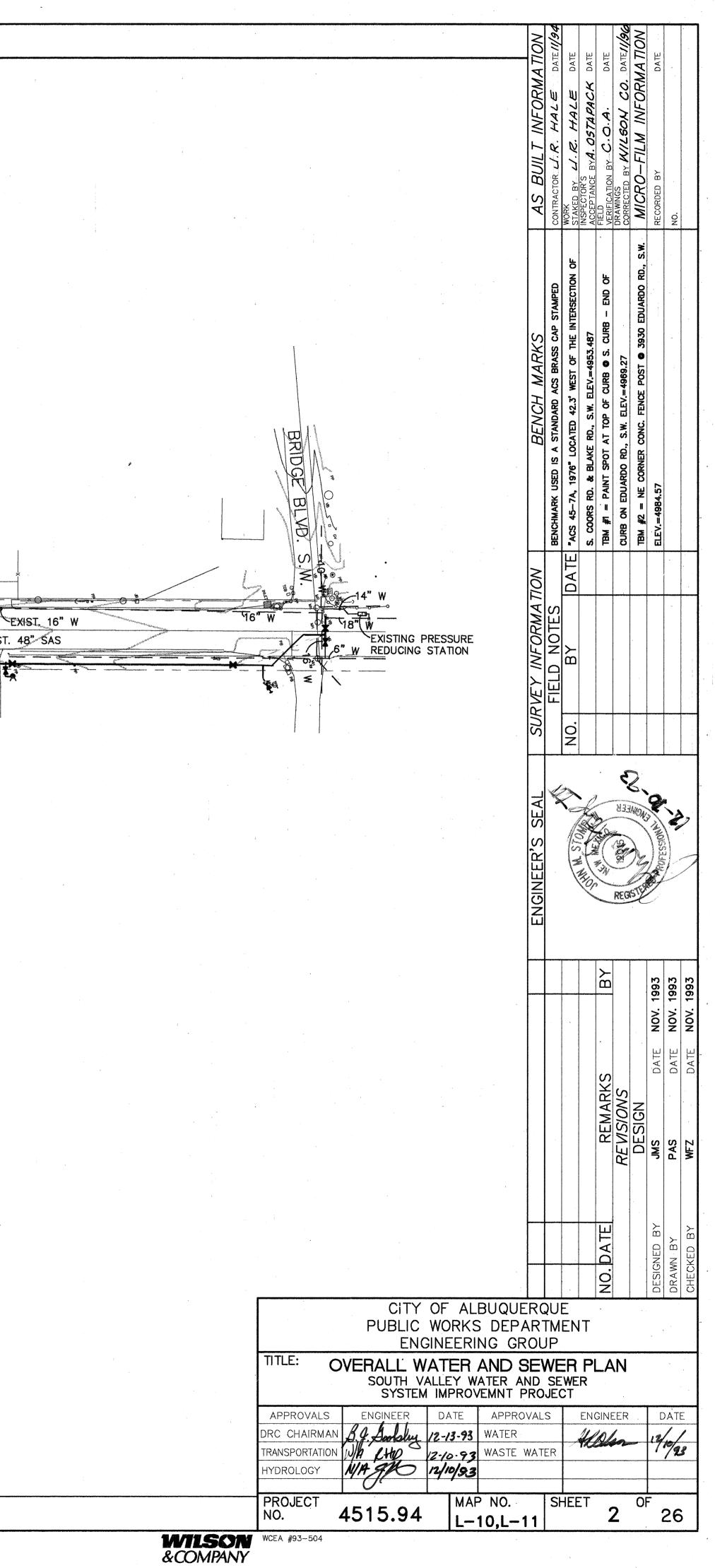
OLD COORS BLVD. EXIST. 48" SAS ×12"

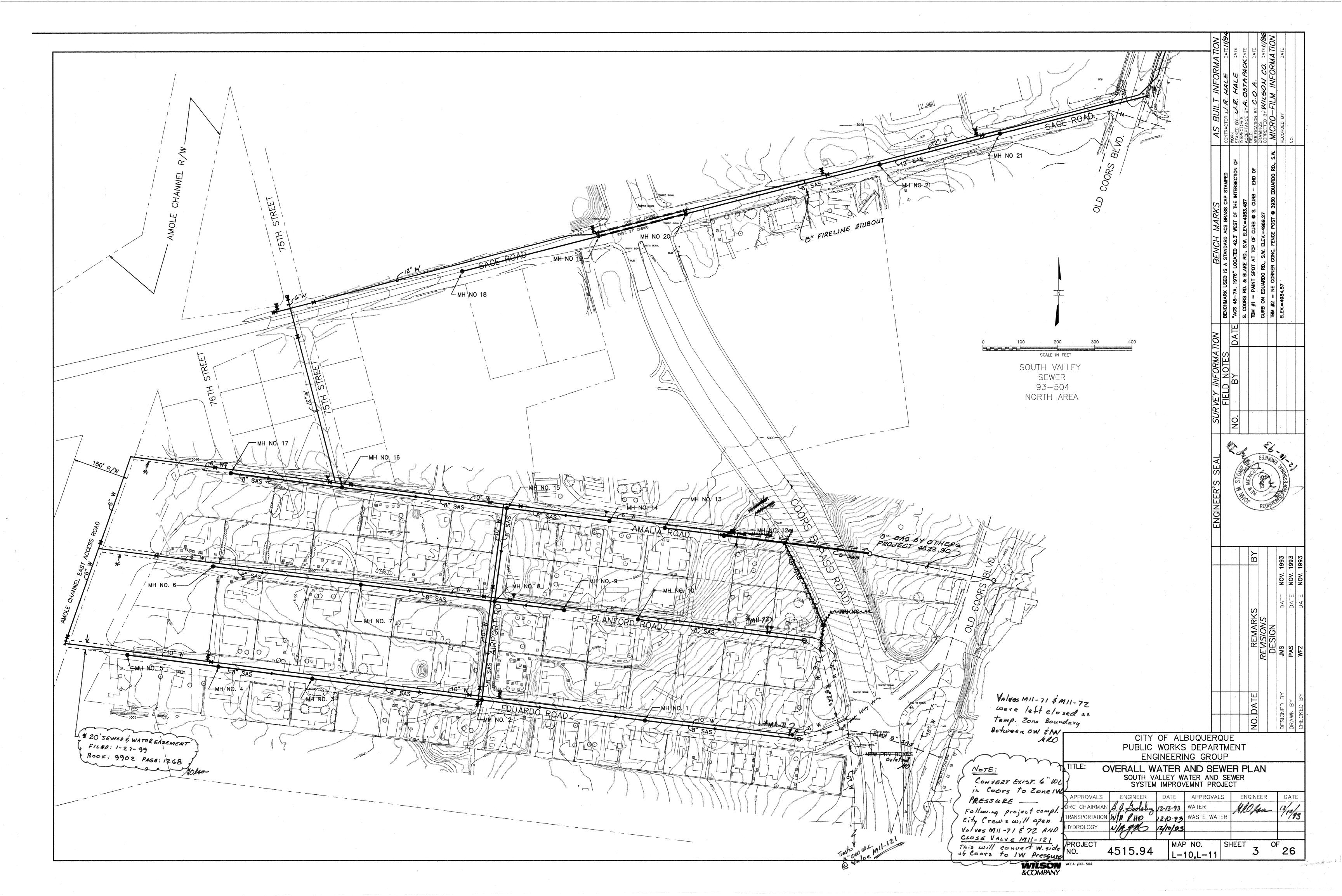
AS BUILT MATERIALS

WATER MAINS 6"-12" = C-900 PVC SEWER MAINS 8"-12" = SDR-35 PVC SEWER SERVICES 4"-G"= CAST IRON WATER SERVICES 3/4" - 2"= P.E. TUBING

A

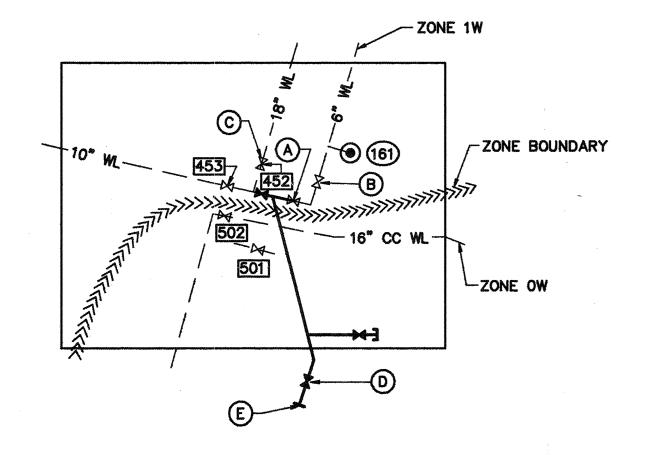
scale in feet SOUTH VALLEY SEWER 93–504 NORTH AREA



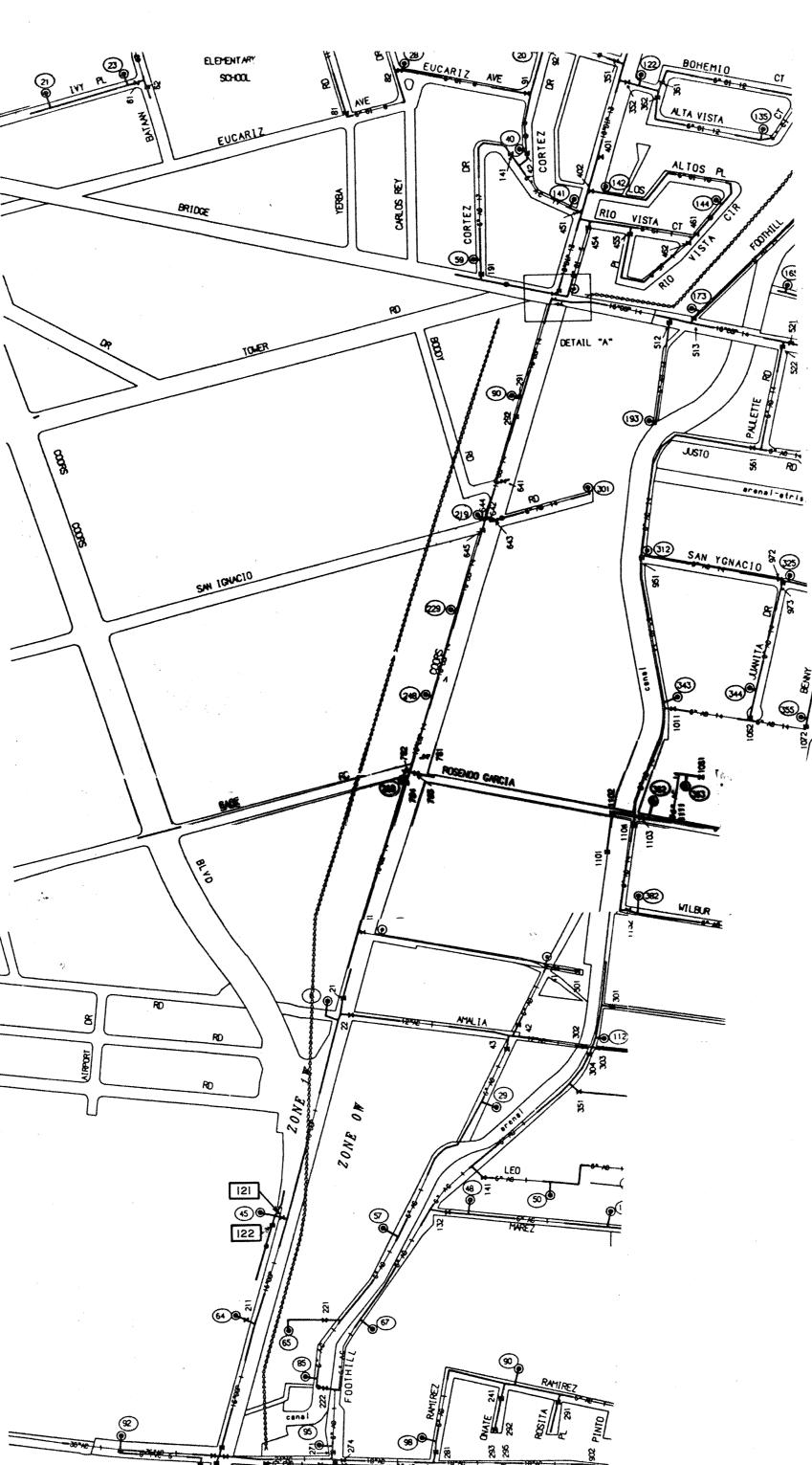


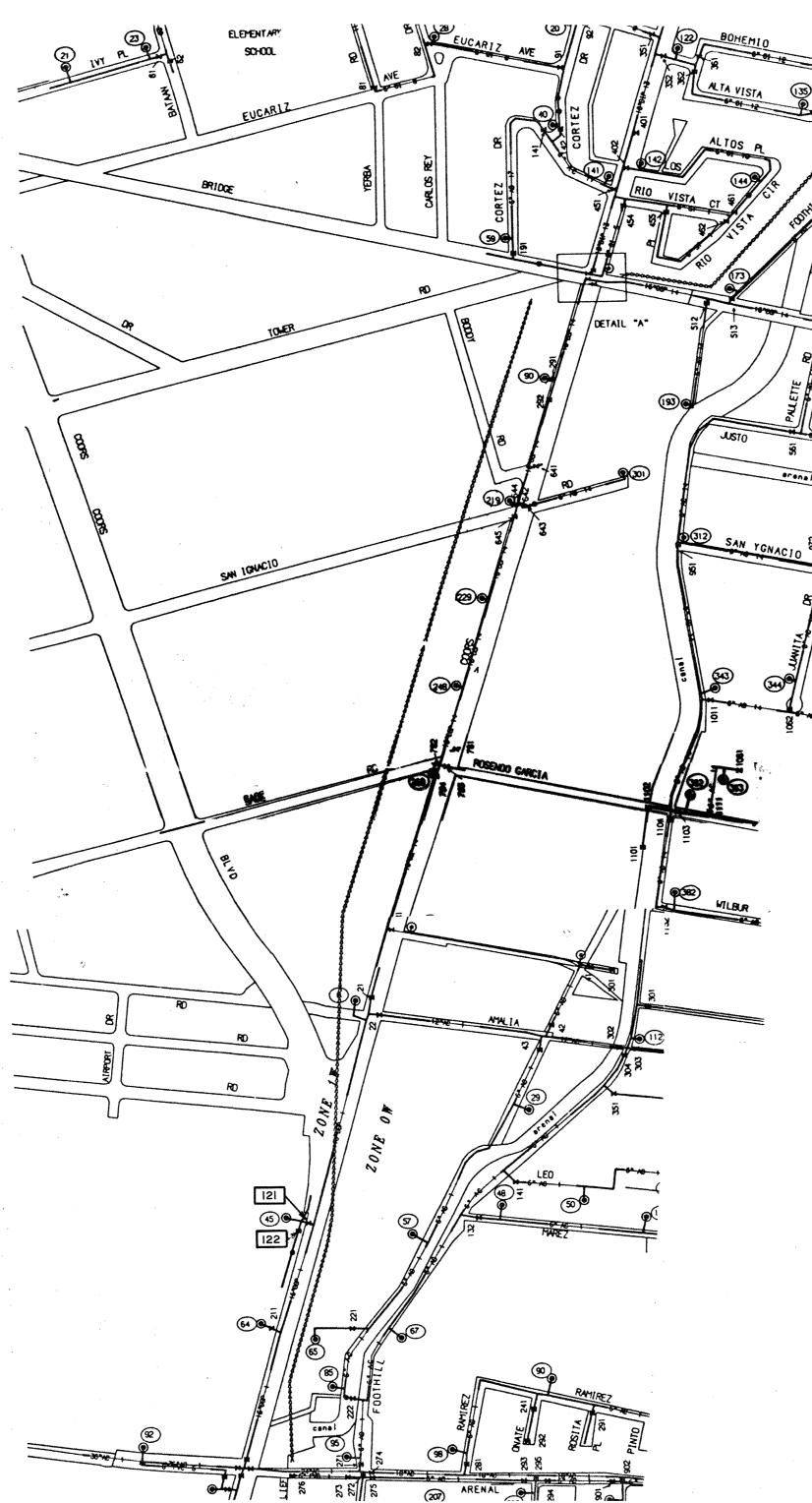
WATER SHUT OFF PLAN

- A. SHUT OFF VALVE NUMBERS 452, 453 AND 454. DRAIN EXISTING 6" WATER LINE. REMOVE AND SALVAGE EXISTING 6" VALVE.
- B. CUT EXISTING 6" WATER LINE AND INSTALL NEW 6" VALVE.
- C. INSTALL 12" GATE VALVE AND FITTINGS PER CONSTRUCTION PLAN SHEET 7. INSTALLATION OF 12" WATER LINE TO FOLLOW SEQUENCE OF CONSTRUCTION ON THIS SHEET
- D. EXTEND 12" WATER LINE PER SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL PLANS.
- E. CONTRACTOR TO COMPLETE ALL TESTING REQUIREMENTS FOR ACCEPTANCE OF NEW 12" WATER LINE. UPON ACCEPTANCE OF WATER LINE, PRESSURIZE LINE TO ALLOW FOR OPENING OF INTERSECTION.
- F. CONTINUE WITH WATER LINE INSTALLATION, TESTING AND ACCEPTANCE PER SEQUENCE OF CONSTRUCTION AND COA SPECIFICATIONS.
- G. SHUT VALVES 121 AND 122 FOR INSTALLATION OF TEMPORARY PRV STATION.
- H. ALL WATER VALVE SHUT OFFS FOR PROJECT TO BE COORDINATED WITH WATER SYSTEMS AND COA PROJECT MANAGER.



<u>DETAIL "A"</u>





SUGGESTED SEQUENCE OF CONSTRU

INTERSECTION BRIDGE AND OLD CONSTRUCTION PHASE | BUILD PORTION OF WATERLINE FROM SOUTHBOUND OLD COORS

TRAFFIC PHASE I CLOSE CONTINUOUS LEFT TURN LANE

PLACE TWO-WAY TRAFFIC ON NORTH SPLIT. SEE SHEET 24 AND 27 OF TH

CONSTRUCTION PHASE II BUILD WATERLINE SOUTHEASTERLY F NORTHBOUND LANES TO THE EAST

TRAFFIC PHASE II CLOSE CONTINUOUS LEFT TURN LANE PLACE TWO-WAY TRAFFIC ON SOUTH TRAFFIC SPLIT.

CONSTRUCTION PHASE III BUILD WATERLINE FROM STA. 10+82 TO 48' RT. CENTERLINE OLD COORS.

TRAFFIC PHASE III TRAFFIC NORMAL ON OLD COORS US OPERATION. SEE SHEET 28 OF THE

PHASE IV CONSTRUCTION BUILD SANITARY SEWER & WATERLINE OF OLD COORS ROAD & SAGE ROAD SEWER FROM OLD COORS TO NEW TRAFFIC PHASE IV

CLOSE OLD COORS ROAD SOUTH FRO INTERSECTION OLD COORS AND NEW

DETOURS (SEE SHEET 29 OF AT BRIDGE AND OLD COORS FOR SO WEST ON BRIDGE TO NEW COORS, SO

AT OLD COORS AND NEW COORS FOI OLD COORS NORTHBOUND TO THRU NEW COORS TO BRIDGE, EAST ON BI

NOTE: _____ PLACE BARRICADES AT SAGE AND NE THRU TRAFFIC. BUILD SEWER AND WA COORS.

PHASE V CONSTRUCTION SLIPLINE WATER & SEWER ACROSS SEWER LINE AND WATERLINE CONSTR WEST SAGE. CROSSOVER WATERLINE WATERLINE ON 75TH STREET TO AMA

- TRAFFIC PHASE V (FOR DETOUR SE A. CLOSE SAGE ROAD EAST AND WE OF OLD COORS TO THRU TRAFFIC SAGE AND OPEN TO TRAFFIC. CO ON WEST SAGE AND OPEN TO TR
- B. BUILD WATERLINE NORTH OF EDGE SAGE TO 75TH STREET USING SHO
- C. CROSS WATERLINE TO 75TH STRE OPERATIONS.
- D. USING SHOULDER WORK OPERATION TWO-WAY TRAFFIC. IF NECESSARY WIDENING.

PHASE VI CONSTRUCTION

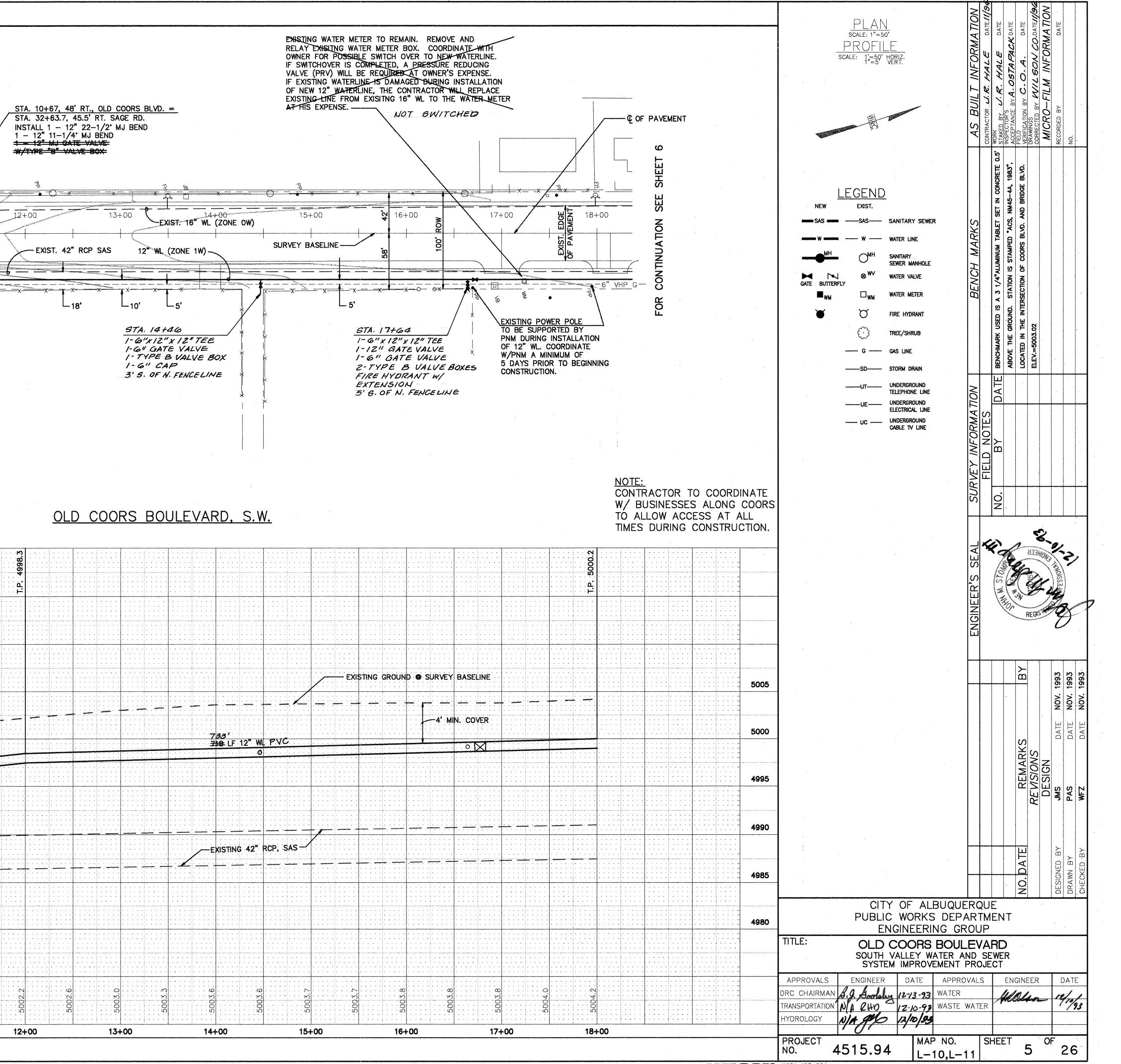
- A. BUILD SEWER AND WATERLINE AM B. BUILD SEWER AND WATERLINE BL
- C. BUILD SEWER AND WATERLINE EDU
- D. BUILD SEWER AND WATERLINE AIF E. SEWER CONNECTIONS EAST EDGE
- ROAD AND BLANFORD ROAD.

PHASE VI TRAFFIC

- A. CLOSE 75TH STREET AND 76TH AMALIA ROAD NOT A THRU STREE AND BARRICADES AS NEEDED. (SE TO MAINTAIN ACCESS TO RESIDEN
- B, C, AND D, NOT THRU STREETS, I AND BARRICADES AS NEEDED (SEE MAINTAIN ACCESS TO RESIDENTS.
- E. USE SHOULDER WORK OPERATIONS COORS ROAD WITH LANE CLOSURE SEE TYPICALS SHEET 24 8 2

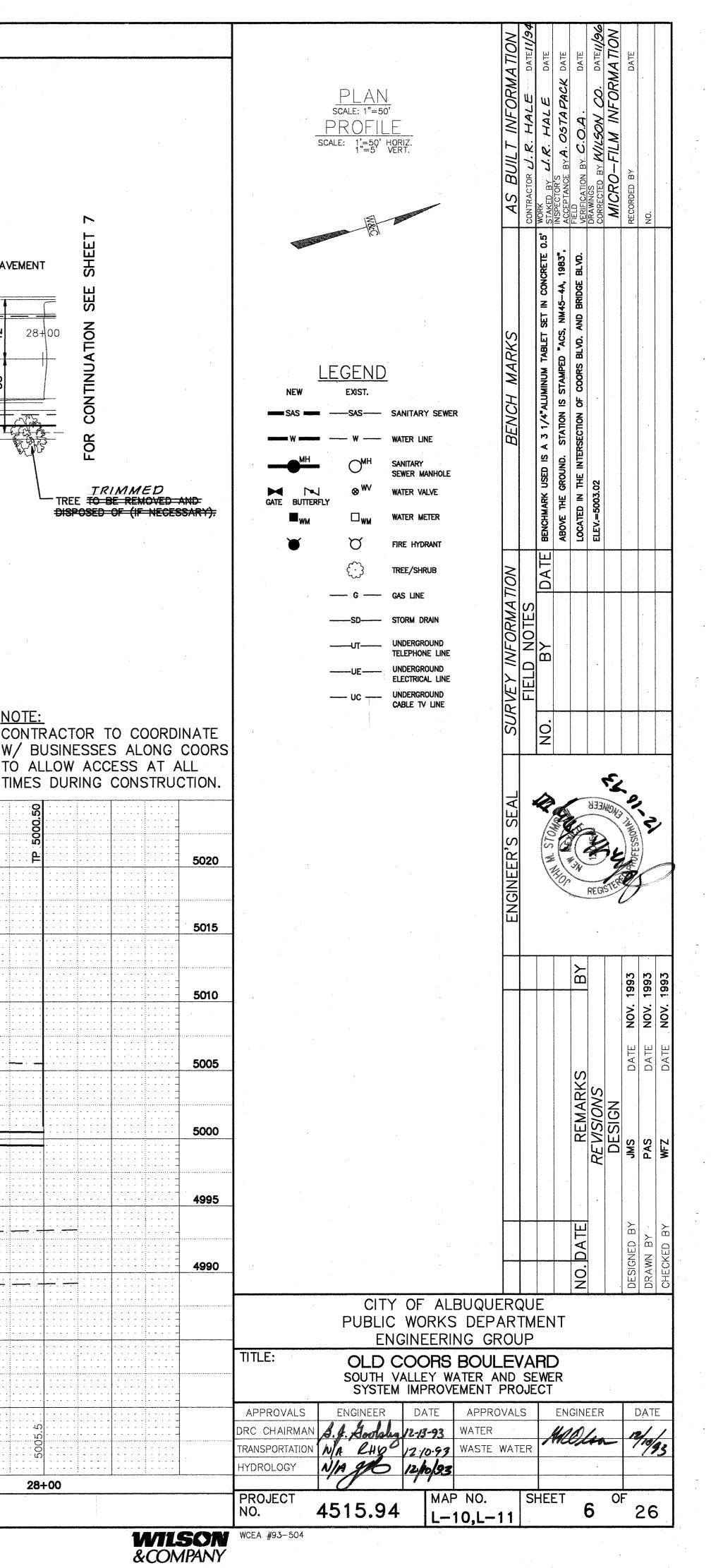
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& SOUTHBOUND LANES, BOUND LANES USING TRAFFIC E PLANS.					A	й С		D. FIELD VERIFI	CORRI	RECORDED	NO.	
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AND NORTHBOUND LANES. BOUND LANES USING					MARKS	ALLIMINI M. TADI ET SE	IS STAMPED "ACS, NM45-4A,	COORS BLVD. AND			ſ.,	- ,
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E TYPICAL SHOULDER WORK LANS.								LOCATED IN	ELEV.=5003			
E CROSSINGS AT INTERSECTION BUILD WATERMAIN & SANITARY COORS ROAD.				•	A TION	S DATE	۲					
M BRIDGE AND AT COORS TO THRU TRAFFIC.					INFORM	D NOTE						
HE PLANS) ITHBOUND OLD COORS TRAFFIC UTH ON NEW COORS.					SURVEY		•			~		
R NORTHBOUND TRAFFIC CLOSE RAFFIC DETOUR NORTH ON IDGE TO OLD COORS.					S		2		Ð			
W COORS. CLOSE SAGE TO TERLINE TO MANHOLE AT NEW					SEAL			A CONTRACTOR	Dr JMEEK	243 ME	3	
EW COORS ON SAGE. COMPLETE UCTION ON EAST SAGE AND AT 75TH STREET AND BUILD LIA ROAD.					ENGINEER'S		S HI HO	ACT AND A	REGIST			
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OF PAVEMENT ON EAST OULDER WORK OPERATIONS.										NOV. 15		NOV. 19
T USING ONE-LANE CLOSURE								RKS	S	DATE	DATE	DATE
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OF COORS BETWEEN AMALIA								.DATE		DESIGNED BY	∠	CKED BY
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SE CONSTRUCTION SIGNING TYPICALS) CONTRACTOR TO SOUTHBOUND LANES NEW	TITLE: WATER SH	EN IUT-OFF PL	<u>GINEERIN</u> _AN/SEC	NG GR		IP OF	CC	DNS	STF	NC		- //
AS NEEDED. OF THE PLANS.	APPROVALS DRC CHAIRMAN	ENGINEER	ALLEY WA	ATER A MENT APPRO WATER	PRC	JEC	T	IGINE	IER		DATE	,
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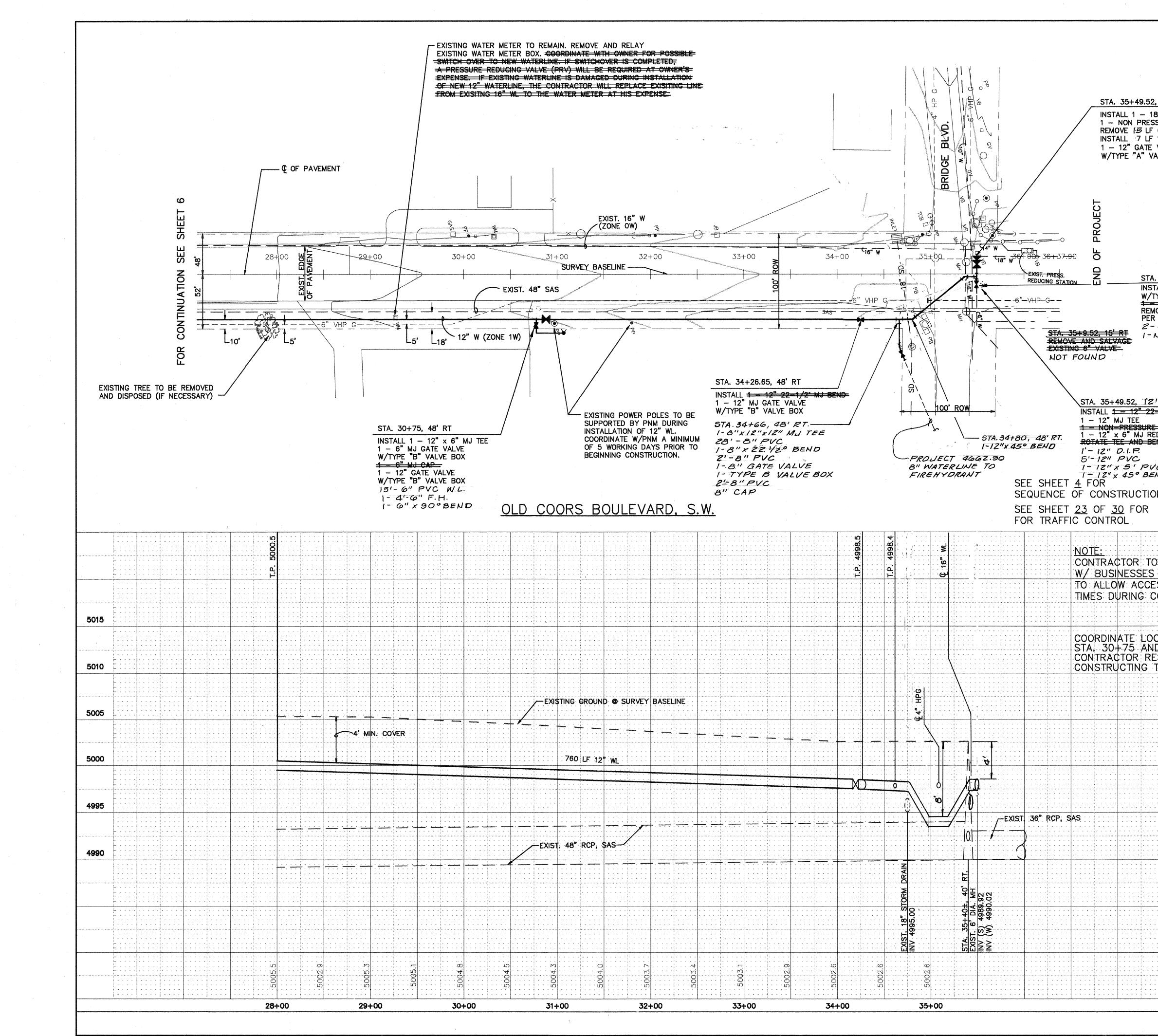
	FOI	R CONTIN	SAGE		ET 13	× 50			-		CTA 10-0	7, 48' RT., OLD	COODE	Λ		RELAY OWNER IF SWIT VALVE IF EXIS OF NEV EXISTIN	EXISITING V FOR POSS TCHOVER IS (PRV) WILL TTING WATE	WATER METE SELE SWITC COMPLETE BE REQUI RLINE IS D ERLINE, THE OM EXISITNO	REMAIN. REM TR BOX. COU H OVER TO M D, A PRESSU REB AT OWNE AMAGED DURI CONTRACTO G 16" WL TO	DRDINATE WEW WATERL RE REDUCIN ER'S EXPENS NG INSTALL	ATION	
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							<u>NH</u>	T.P. 4997.0			· · · · · · · · · · · · · · · · · · ·				<u>RD, S.V</u>	<u>N.</u>						
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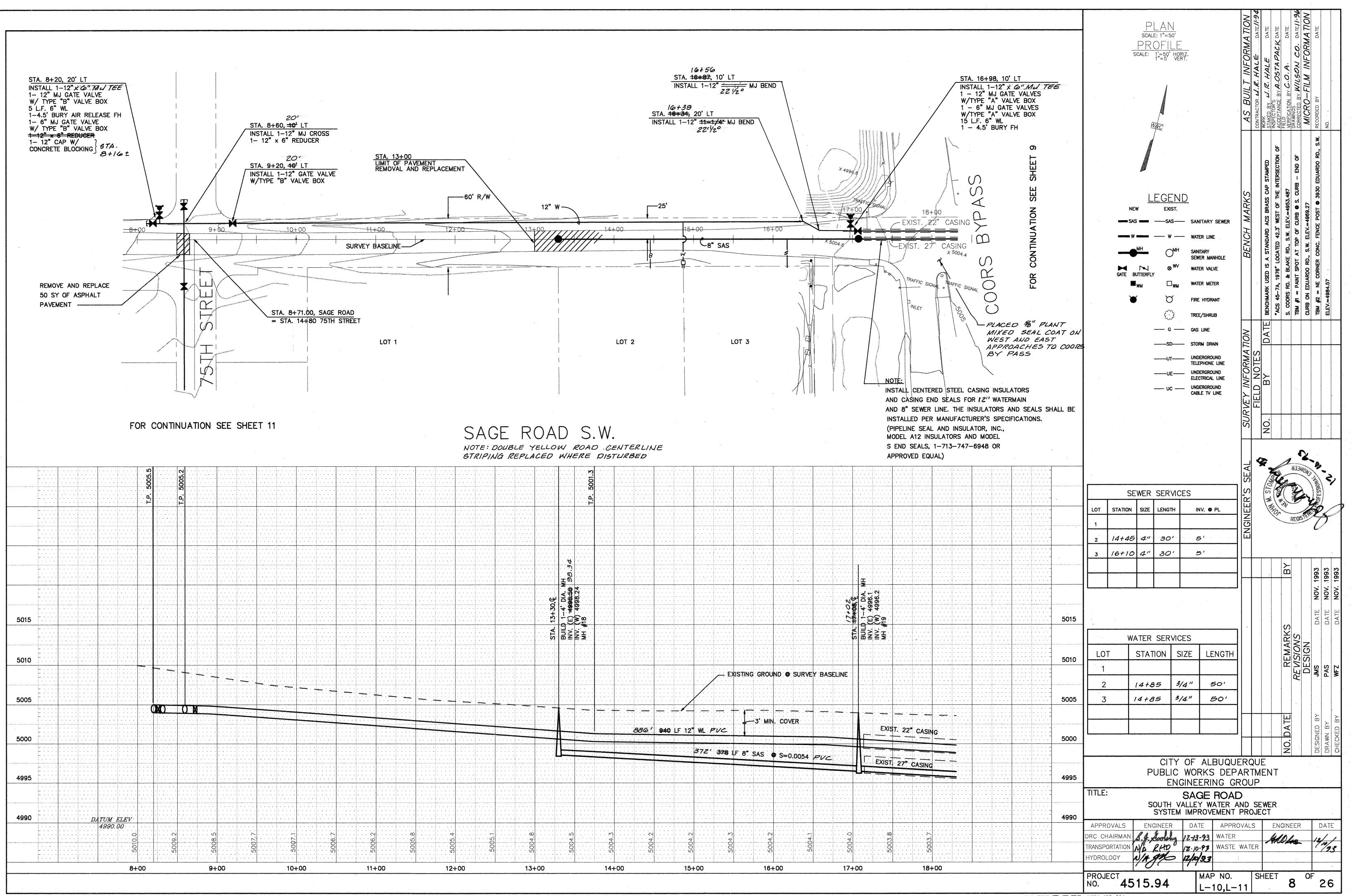
WEA #93-504 &COMPANY

	SEE SHEET 5			EXIST. 16" WL (ZONE OW) -	SFIZ CARCO	BODD	HA HAN MANA		@ OF
	18+00	19+00	20+00	AVENEN Row TT	22+00 ½ 23+00	24+00	25+00 26+ SURVEY BASE		
	EXIST. 42" SAS					12" WL (ZONE 1W)		EXIST. 48" SAS	
	For the second s	L	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±		R X X X X X X X X X X X X X X X X X X X	STA. 23+42 ± Th 1-11/14° BEND			
	DURING INST WL. COORDIN MINIMUM OF	WER/LIGHT POLE ORTED BY PNM ALLATION OF 12" IATE W/PNM A 5 WORKING DAYS EGINNING CONSTRUCTION.	<u>57A. 22+71,</u>	W/TYPE "B" VAL ★ 5 LF 6" WL 1 - 4.5' BURY / 1 - 12" × 8" M	NR RELEASE FH REDUCER TEE 2' PVC WL	A GURCO I	INSTALL 1 - 12" 1 - 6" 1 - 12" W/TYPE 1 - 6"	5+10, 48' RT 1 - 12" MJ TEE " x 6" MJ REDUCER MJ CAP W/CONCRETE BLOCKING " MJ GATE VALVE " B" VALVE BOX MJ GATE VALVE " B" VALVE BOX	
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5020		ZTA. 18+77. 40° RT EXISTING 6' DIA. MH INV (S) 4988.26 INV (S) 4988.26 INV (E&W) 4990.26		-EXISTING 48* RCP SAS-	EXISTING GROUND @ SURVEY			P SAS-	
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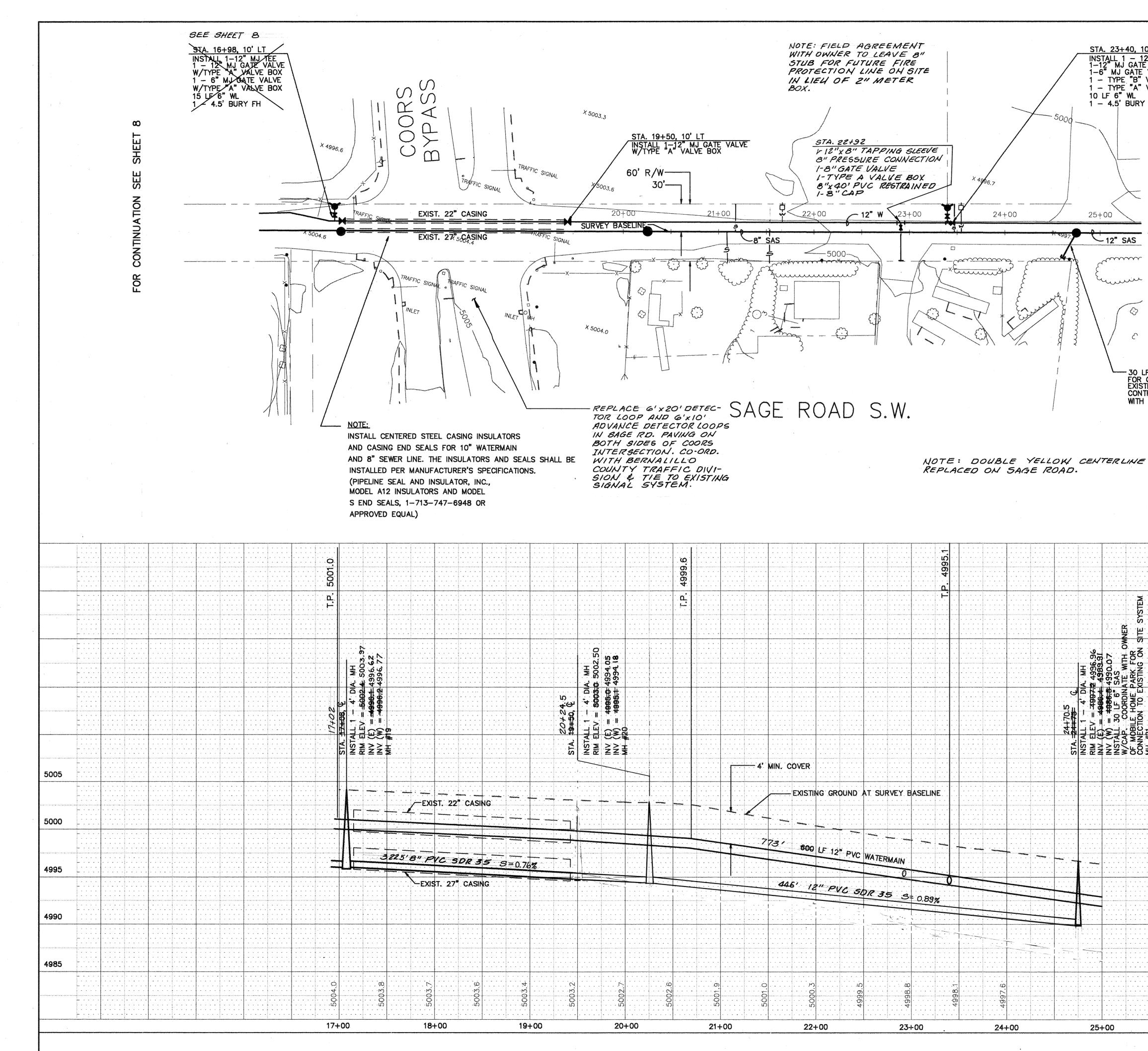


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		<u>PLAN</u> scale: 1"=50' <u>PROFILE</u>	-		INFORMATION	DATE // DATE	CK DATE DATE	N CO. DATE/1/96 INFORMATION	DATE	
		SCALE: 1'=50' HO 1"=5' VE	RIZ. RT.		VFOR	ALE ALE		INFOF	, ,	
		12 - AR	A State State Stream		17 11	.R. H. R. HA	× A.OSTA	HILM IN		
2, 21.64' LT 18"×12" REDUCER		IC JI			BUI	ACTOR U BY- U.	CTOR'S PTANCE BY CATION BY	٦ B	DED BY	
SSURE CONNECTION 6" WL 12" PVC WL <i>D.I.P.</i>					AS	CONTRACTOR WORK STAKED BY-	INSPECT ACCEPT FIELD VERIFICA	CORRECTED MICRO	RECORDED	NO.
VALVE VALVE BOX						TE 0.5'	ð. Ö			
	NEW	LEGEND exist.				CONCRETE	-4A, 1983" IDGE BLVD.	•		
	unnun SAS un		SANITARY SEW	ÆR		r set in	S, NM45-4A, AND BRIDGE			
	W	МН	WATER LINE		MARKS	1/4"ALUMINUM TABLET	STAMPED "ACS, NM45-4A, 1983" COORS BLVD. AND BRIDGE BLVD.			
		1467	SEWER MANHOLI WATER VALVE			VLUMINUN			•	
A. 35 + 49, 91.LT.	₩ww		WATER METER	· · · · · · · · · · · · · · · · · · ·	BENCH	ю	IND. STATION IS INTERSECTION OF	e.		
TALL 1 – 6" GATE VALVE TYPE "A" VALVE BOX 6" CI SOLID SLEEVE 2 – 6" PVC HOVE AND REPLACE EXISTING RAVEMENT	│ Ŭ		Fire hydrant Tree/shrub		7	USED IS A	UND.			
MOVE AND REPLACE EXISTING PAVEMENT R DETAIL ON SHEET 21 - G'' × 45° BEND NON REFEC			GAS LINE			1 1	THE GROU	ELEV.=5003.02		
NON PRESS. CONN.			storm drain Underground			BENCHMARK	ABOVE THE LOCATED IN	ELEV.=		
Bio.		UE	UNDERGROUND ELECTRICAL LINI		<u>⊼</u>	ATE				3
24 LT.			UNDERGROUND CABLE TV LINE		A TIC					
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WILSON & COMPANY										



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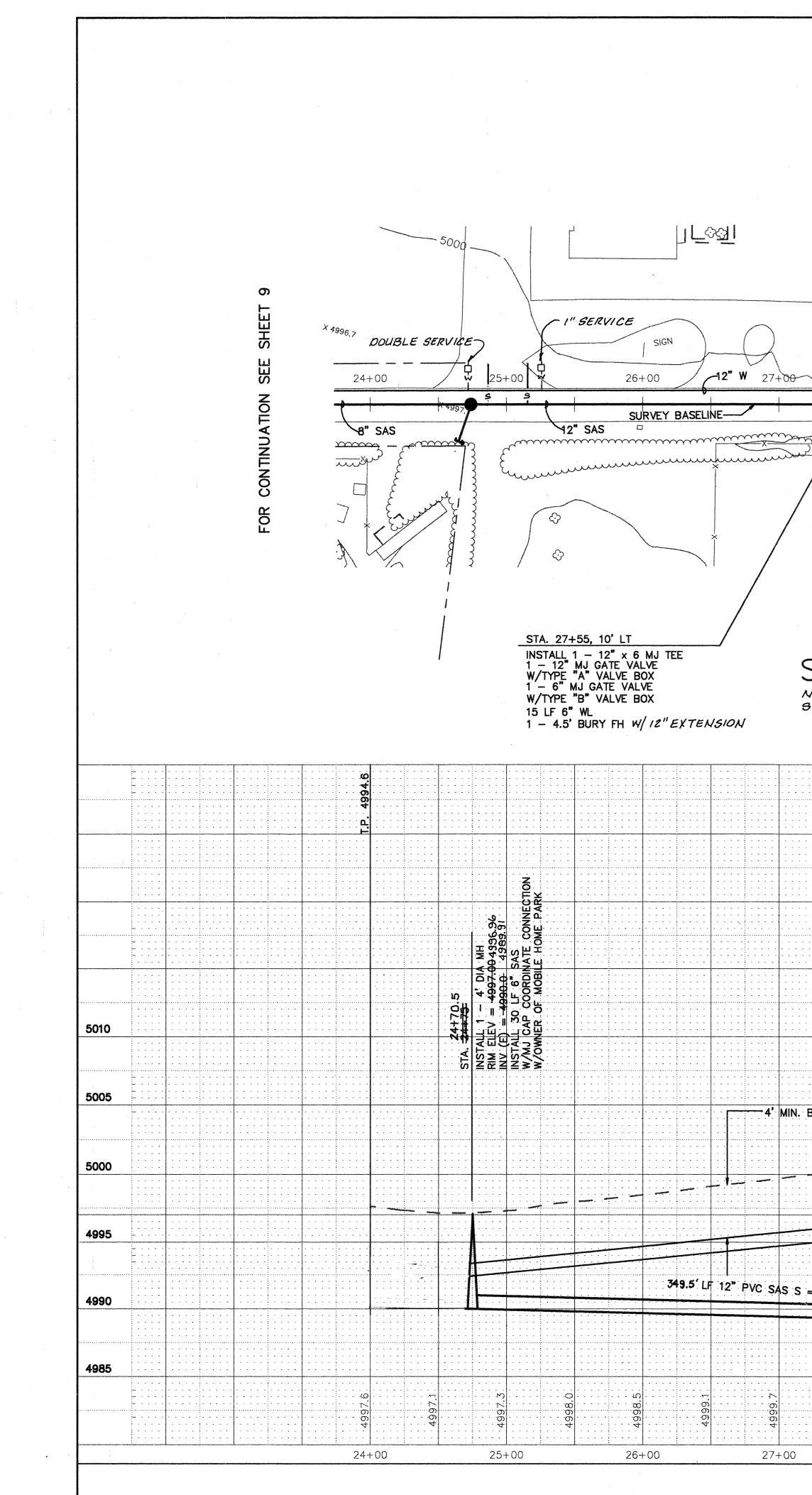




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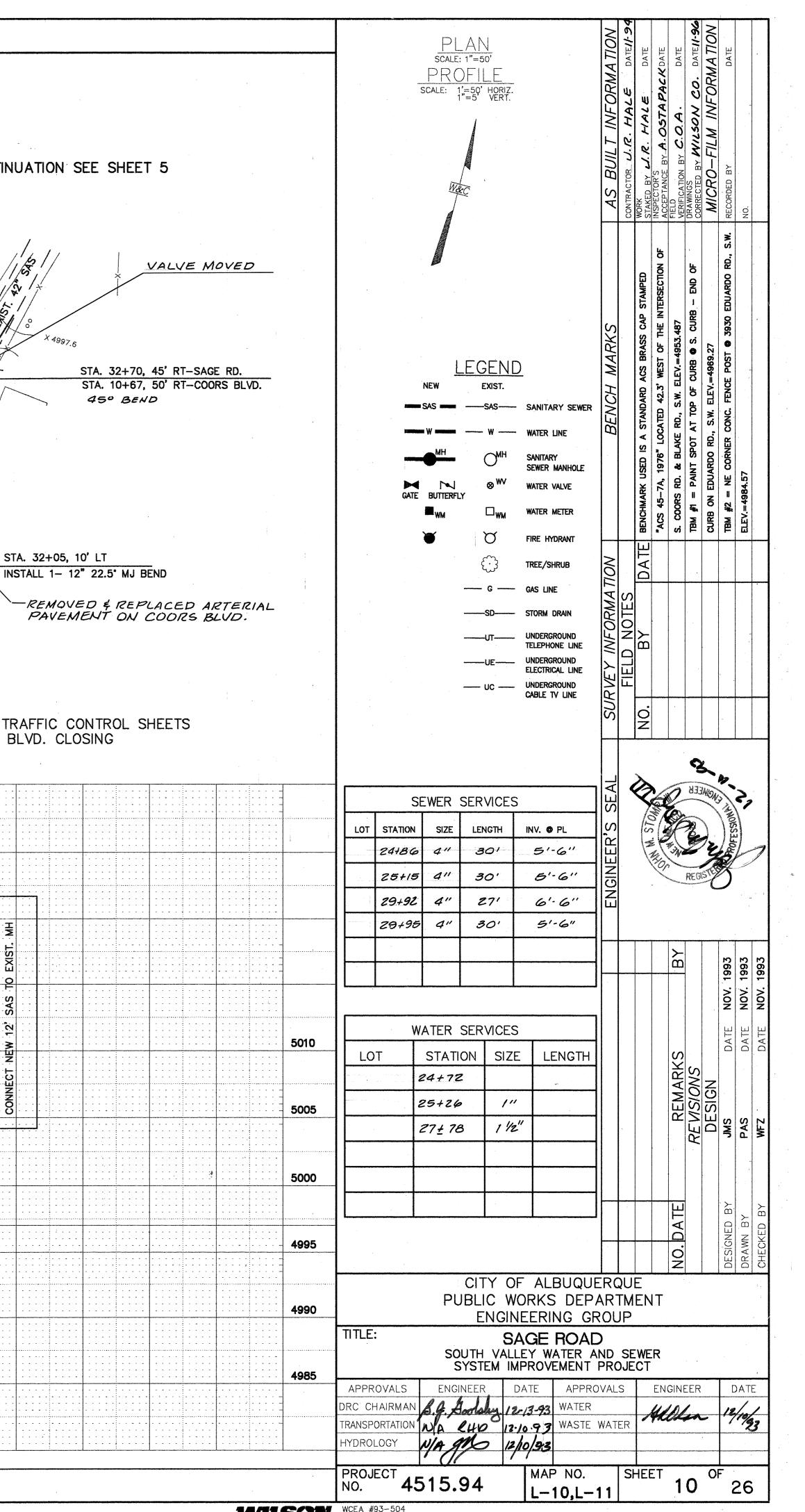
O'LT 2"x6" MJ TEE E VALVE VALVE VALVE BOX VALVE BOX VALVE BOX	PLAN scale: 1"=50' <u>PROFILE</u> scale: 1'=50' HORIZ. 1"=5' VERT.	AS BUILT INFORMATION CONTRACTOR J. R. HALE DATE WORK STAKED BY J. R. HALE DATE WORK STAKED BY J. R. HALE DATE INSPECTOR'S STARED BY J. R. HALE DATE INSPECTOR'S NALE DATE DATE NALE DATE DATE NALE DATE DATE NALE DATE DATE NALE DATE DATE NALE DATE DATE NALE DATE DATE DATE DATE DATE DATE DATE DATE
FOR CONTINUATION SEE SHEET 1	LEGEND NEW EXIST. SAS SAS SANITARY SEWER W W WATER LINE W W WATER VALVE SATE BUTTERFLY WM WATER METER	BENCH MARKS A HMARK USED IS A STANDARD ACS BRASS CAP STAMPED CONT HMARK USED IS A STANDARD ACS BRASS CAP STAMPED STAKI 45-74, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF NOFK 45-74, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF NOFK 005 RD. & BLAKE RD., S.W. ELEV.=4953.487 VERIF 018 PAINT SPOT AT TOP OF CURB © S. CURB - END OF DRAW 019 EDUARDO RD., S.W. ELEV.=4969.27 MI 010 EDUARDO RD., S.W. ELEV.=4969.27 MI 02 EJUARDO RD., S.W. ELEV.=4969.27 MI 03 EDUARDO RD., S.W. ELEV.=4969.27 NO
F 6" SAS CONNECTION TO TING MOBILE HOME PARK. TRACTOR TO COORDINATE OWNER.	FIRE HYDRANT FIRE HYDRANT FIRE HYDRANT TREE/SHRUB G G GAS LINE SD STORM DRAIN UT UNDERGROUND TELEPHONE LINE UNDERGROUND ELECTRICAL LINE UNDERGROUND CABLE TV LINE SEWER SERVICES LOT STATION SIZE LENGTH INV. @ PL	SURVEY INFORMATION FIELD NOTES NO. BY DATE
LOT IN CHURCH FRONT OF TRAILERS	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ENGINEER'S SEAL
	WATER SERVICES LOT STATION SIZE LENGTH	АТЕ NOV. 1993 АТЕ NOV. 1993
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 ₹ 5005 ₹ 5000 ₹ 5000 ₹ 4995 4990 		REMARKS DESIGNED BY DESIGNED B



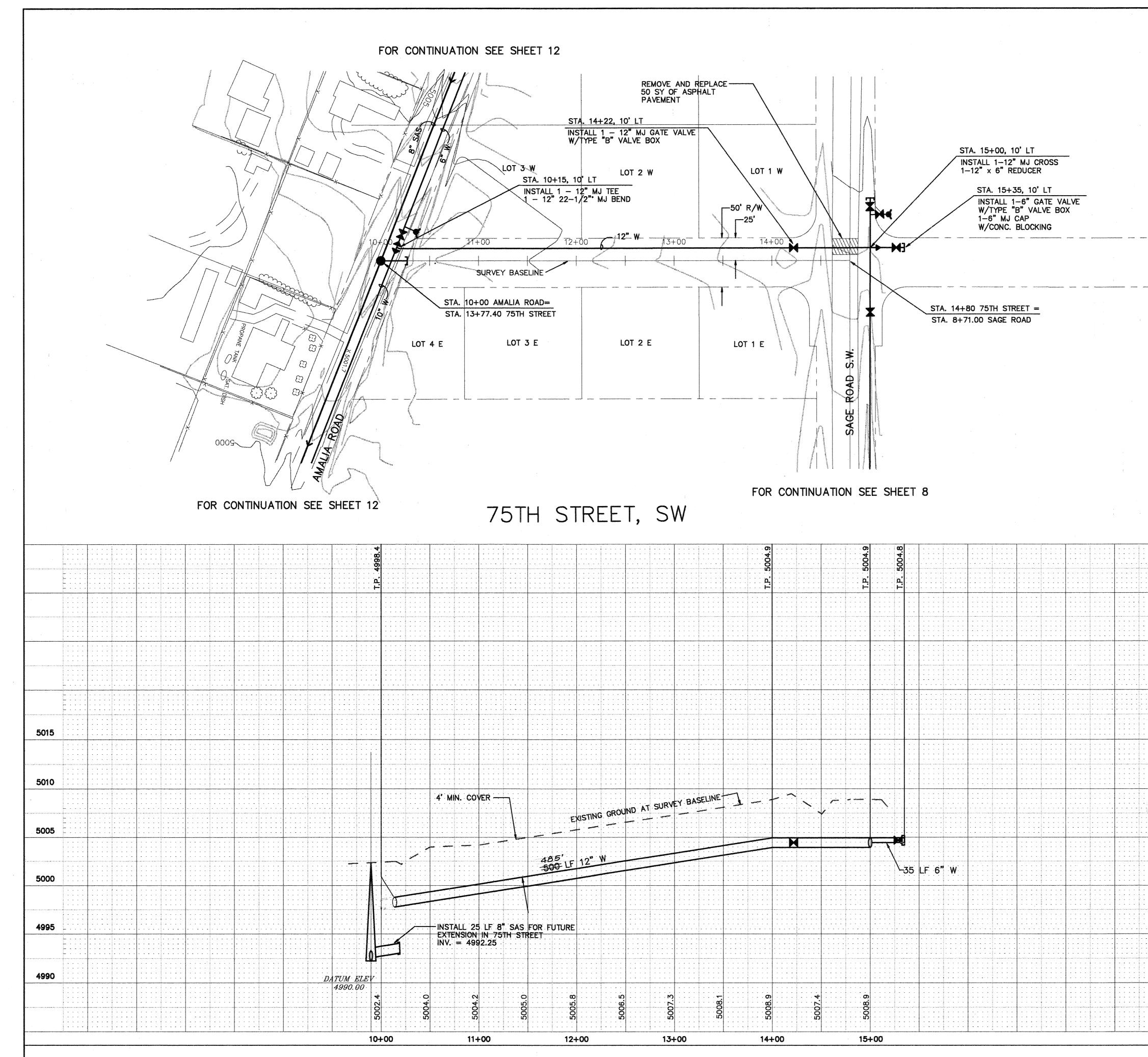


FOR CONTINUATION SEE SHEET 5 T.I.W. Fabrication & Manufacturing X 5000.3 STA. 31+25, 10' LT 1255 Coorg Rd. NW INSTALL 1 – 12" MJ VALVE 1 – TYPE "B" VALVE BOX INSTALL 1 – 12" MJ 22–1/2" BEND 60' R/W---X 5000.3 1/2 SERVICE 28+00 29+00 . - 5000 X 4999.4 X 5000.2 STA. 32+05, 10' LT REPLACED G'X 20' _____ TRAFFIC DETECTOR LOOP IN PAVEMENT AND RE-CONNECTED TO EXISTING 100. R.W SIGNAL. SAGE ROAD S.W. NOTE: DOUBLE YELLOW CENTER LINE STRIPE REPLACED. NOTE: SEE TRAFFIC CONTROL SHEETS FOR COORS BLVD. CLOSING TP 97. : . · · · · ·

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							COORS BLVD.	UBOUT AND 0 EXIST. MH
		. 28+20 ALL 1 - 4' DIA MH ELEV = 5000.85 (E) = 4989.08	4 988				OLD	6* DIA. MH 4986.34 4986.14 4988.09 XISTING 12" ST NEW 12' SAS 7
BURY		STA 28 INSTALE RIM ELE INV (E)	(M) NI	EXISTI	NG GROUND @ SUR	VEY. BASELINE	©16" WL STA. 32+	EXISTING INV (N) = INV (W) = REMOVE E CONNECT
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= 0.21 %					41'	1 LF 12" PVC SAS S =	0.2 4%	HA 9 3 3
2000.2	2000.8		2000.9 200.9	2000.8	2000.5	5000.2 4999.8	5000.2	
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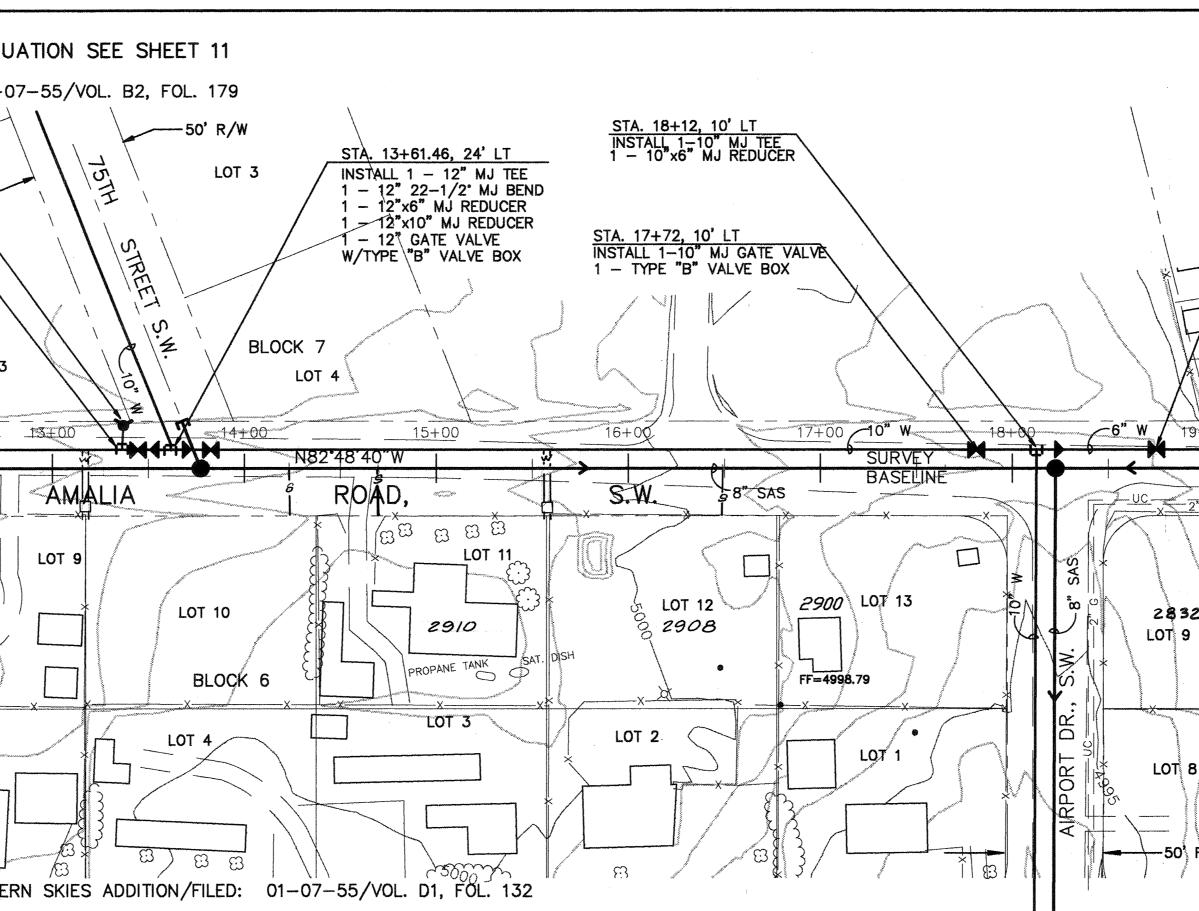




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2 REMOVE AND REPLACE PAVEMENT STAL 14+22, 10' LT INSTALL 1 - 12" MJ GATE VALVE W/TYPE 'B" VALVE BOX H15, 10' LT 1 - 12" MJ TEE 22-1/2" MJ BEND 12+00 LOT 2 E LOT 2 E LOT 1 E V V V V V V V V V V V V V	STA. 15+00, 10' LT INSTALL 1-12" M CROSS 1-12" x 6" REDUCER STA. 15+35, 10' LT INSTALL 1-6" CATE VALVE W/TYPE 'B" VALVE BOX 1-6" M LCA W/CONC. BLOCKING STA. 14+80 75TH STREET = STA. 8+71.00 SAGE ROAD	BILLED NOTES AS BULLT INFORMATION EECONING AS BULLT INFORMATION MARS AS BULLT INFORMATION
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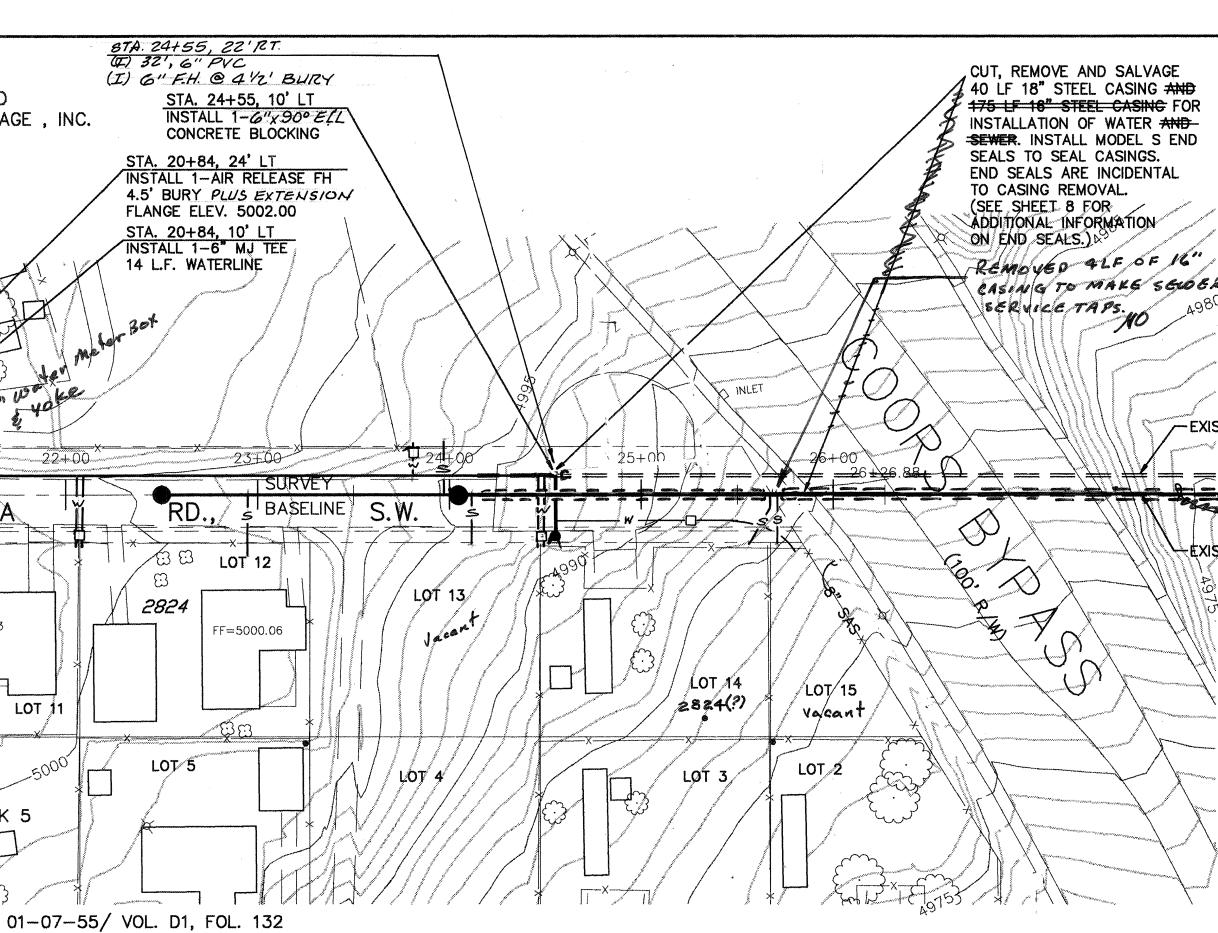
BLOCK 9 50 P/N LOT 2 LOT 2 LOT 2	WTYPE B ^H VALVE BOX LOT 3 13100 14100 15100 14100 15100 14100 15100 16100 10112 29008 1005 100	ATE VALVE BOX 177+00 10" W 18+0 5" W 19+00 SURVEY BASELINE SAS	PLAN SCALE: 1"=50" PROFEIE SCALE: 1"=50" WORK:
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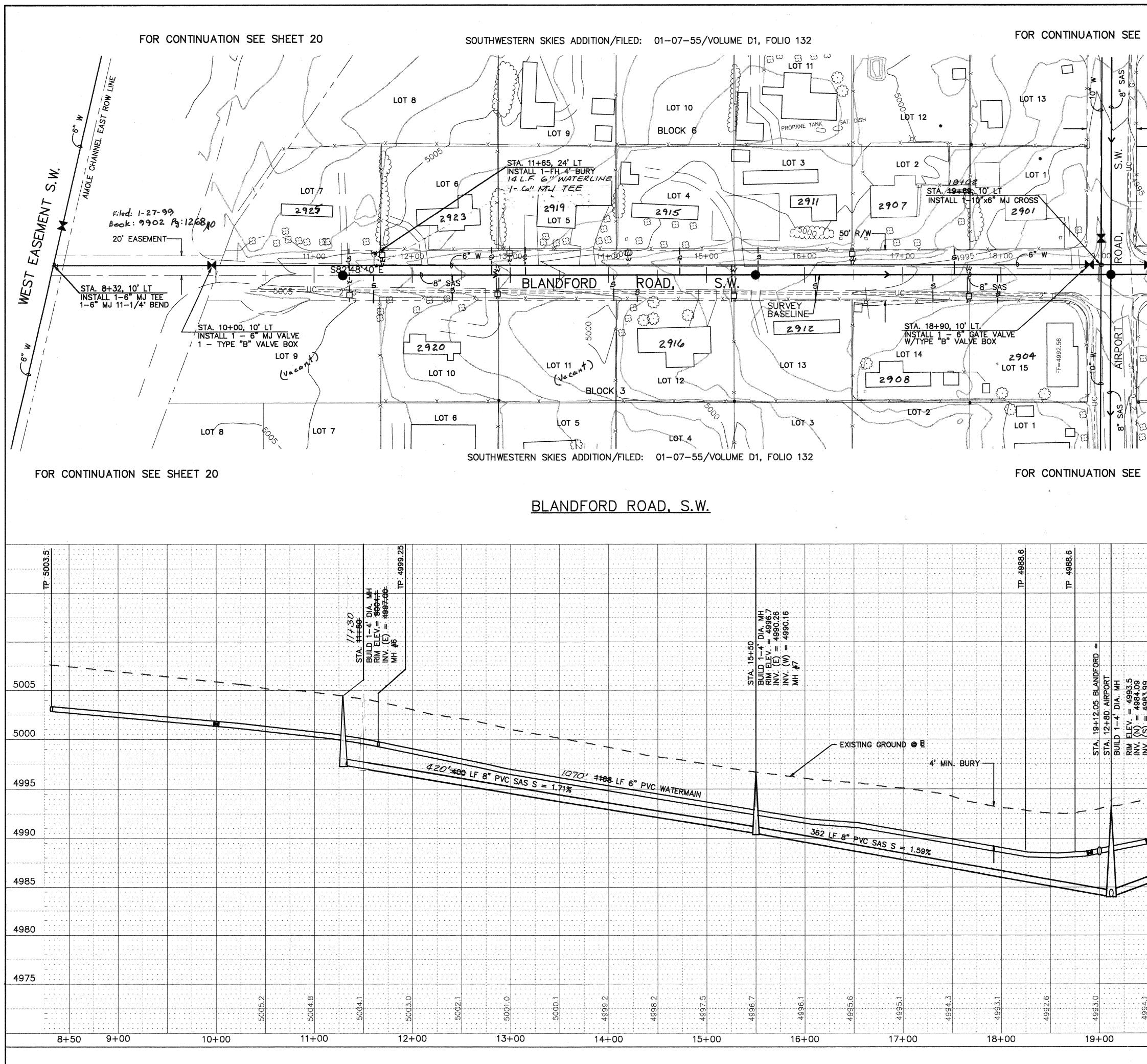


AMALIA ROAD, S.W.

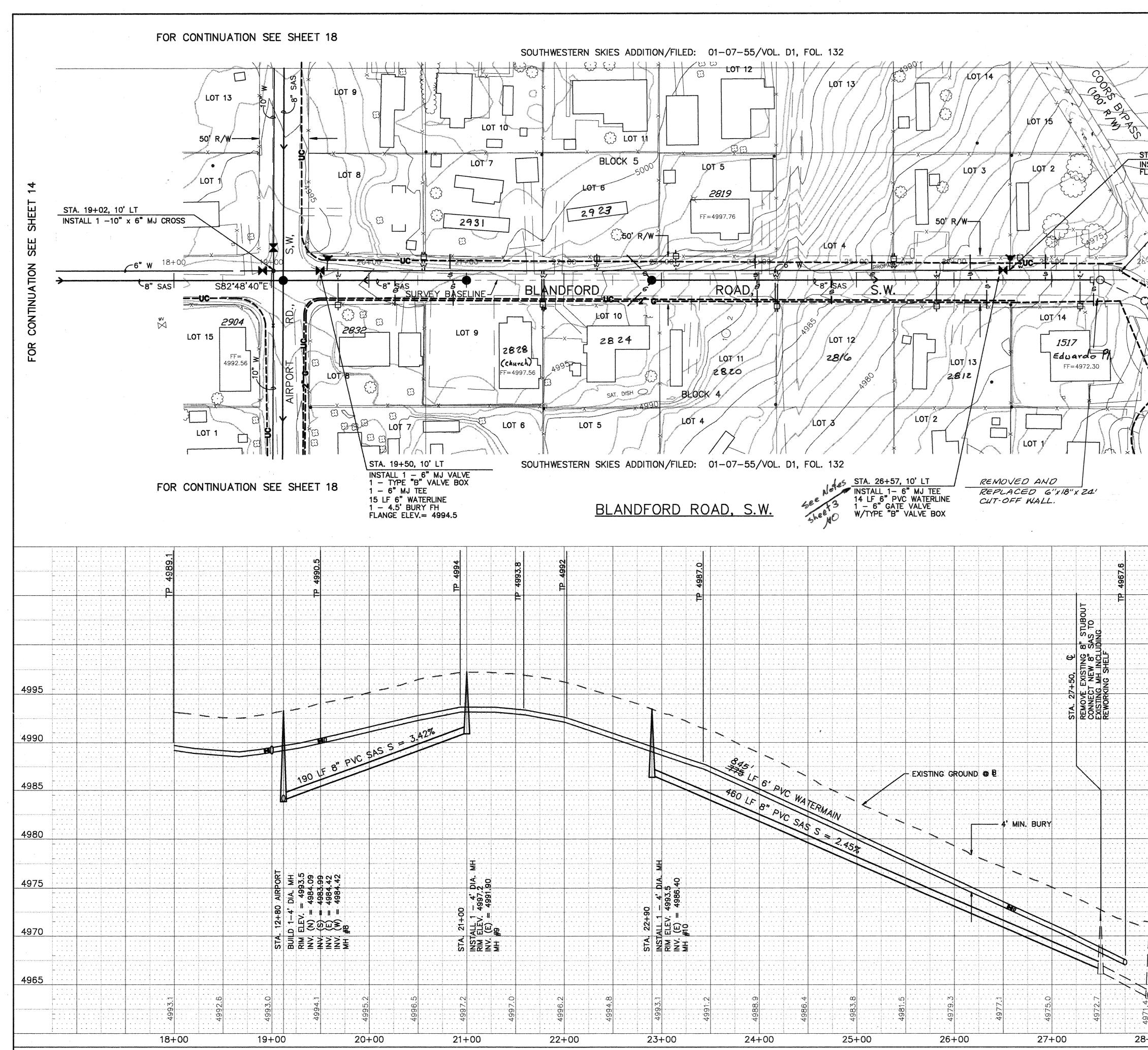
N **. M** 91 12 NOTE: INSTAL TUBINO CASING 58 • 24+55 CAPA STA. 24+15 BEGIN STEEL *TXIV*: = 89. . . METER CURB • • • ADDIT IN ME FOR L 4' MIN. BURY *********************** California dan COORS BYPASS PVC WATERMAIN - EXISTING GROUND @ B 158 LF 8" PV4 845 @ 3= 1.7090 - REMOVE AND SALVAGE CASING. SEE NOTE ABOVE FOR ADDITIONAL - - - - - -. INFORMATION. ~ - - -- - - -· } · · r - 1555555444900 • • • 4. MH 30 20 0 Ω 0/4 90. 90. 3000 LASIDE LET 4' DI/ 4999. 64 102 4 1 1 * 500 "EU STREL Stac @ . 22+5 FALL 1 ELEV. #13 #13 2: CASING STA. . IUST KIM IUV. ÷..... . S. 2.2 STA. NNST NHV 574. 25±70 16"57EEL CONNECT 70988"5A . . . -----. . ⊈ • ••••• 22+00 23+00 25+00 26+00 24+00 27+00 28

JT, REMOVE AND SALVAGE D LF 18" STEEL CASING AND STALLATION OF WATER AND EWER. INSTALL MODEL S END EALS TO SEAL CASINGS. ND SEALS ARE INCIDENTAL D CASING REMOVAL. EE SHEET 8 FOR DDITTONAL INFORMATION N END SEALS.) CASING TO MAKE SEIDER	AND CONTRACTOR W.K. HALE DATE DATE DATE DATE DATE DATE DATE DAT
EXISTING 18" STEEL CASING EXISTING 18" STEEL CASING EXISTING 16" STEEL CASING	Image: Standard Stranger Image: St
FOR CONTINUATION SEE SHEET 18	SD
NOTE: INSTALL 90 LF 2" PE SERVICE TUBING FROM CAP AT STATION 24+55 TO PROVIDE FLUSHING CAPABILITY. INSTALL 1 - 2" METER BOX W/2" GATE VALVE CURB STOP: ALSO, INCLUDE ADDITION OF 5 LF 2" TUBING IN METER BOX FOR REMOVING	SEWER SERVICES LOT STATION SIZE LENGTH INV. \bullet PL 9 19+1/B 4" 30' 5' 10 20+36 4" 30' 5' 11 21+11 4" 30' 5' 12 22+95 4" 30' 5' I3 24+11 4" 25' 5'
QURING FLUSHING. 3/4" SERVICE FOR LOT 15 WILL BE TARPED FROM 2" PE FLUSHING LINE 5000 COORS BYPASS 4995	14 25+68 4 25' 3.5' 15 25+70 4" 25' 3.5' 10 WATER SERVICES Image: Services Image: Services Image: Services Image: Services LOT STATION SIZE LENGTH SNC SNC JO 20+455 3/4" Image: Size Image: Size Image: Size 10 20+455 3/4" Image: Size Image: Size Image: Size
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27+00 28+00	SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT APPROVALS ENGINEER DATE APPROVALS ENGINEER DATE DRC CHAIRMAN B.A. Anolohung 12-13-93 WATER MATER 12/10/93 TRANSPORTATION N/A LHO 12-10-93 WASTE WATER 11/193 HYDROLOGY N/A 12/10/93 Indicate the second se
	PROJECT NO. 4515.94 MAP NO. L-10,L-11 SHEET OF 26 WCEA #93-504 WCEA #93-504 MAP NO. L-10,L-11 SHEET 13 26

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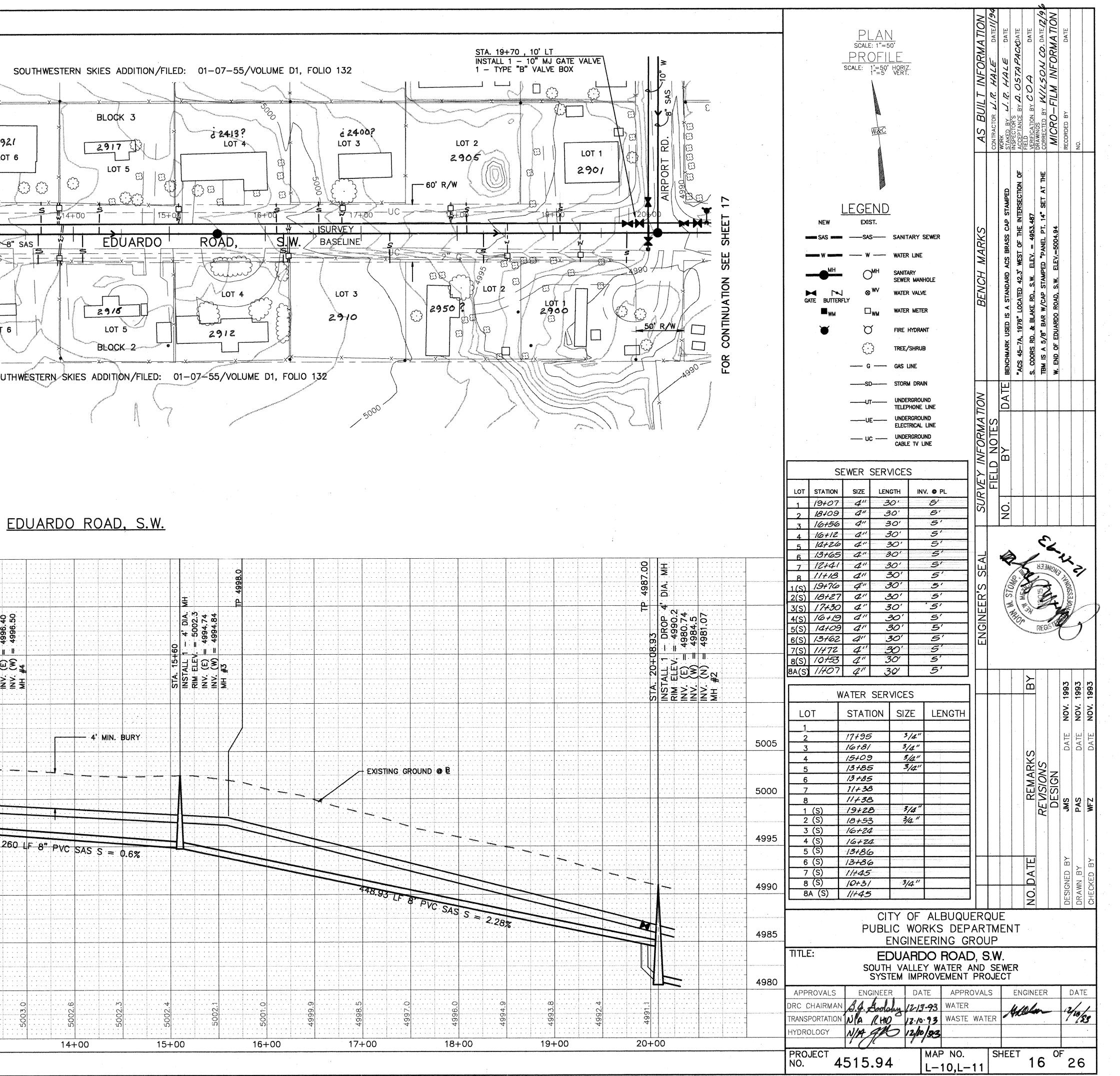


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ŽŽ¥ 4995	15 12+99 3/4" 4 14+20 3/4" 124/3 15+28 3/4" 124/3 15+28 3/4" 342 16+48 3/4" 144/5 17+68 3/4"
4990	
4985	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP
4975	TITLE: BLANDFORD ROAD, S.W. SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT APPROVALS ENGINEER DATE APPROVALS ENGINEER DATE
20+00	DRC CHAIRMAN S.G. Koorlowy 12.13-93 WATER HOLAN TRANSPORTATION NA CHO 12.13-93 WATER 14/10/93 HYDROLOGY NA CHO 12/10/93 WASTE WATER 14/10/93 PROJECT MAP NO. SHEET OF

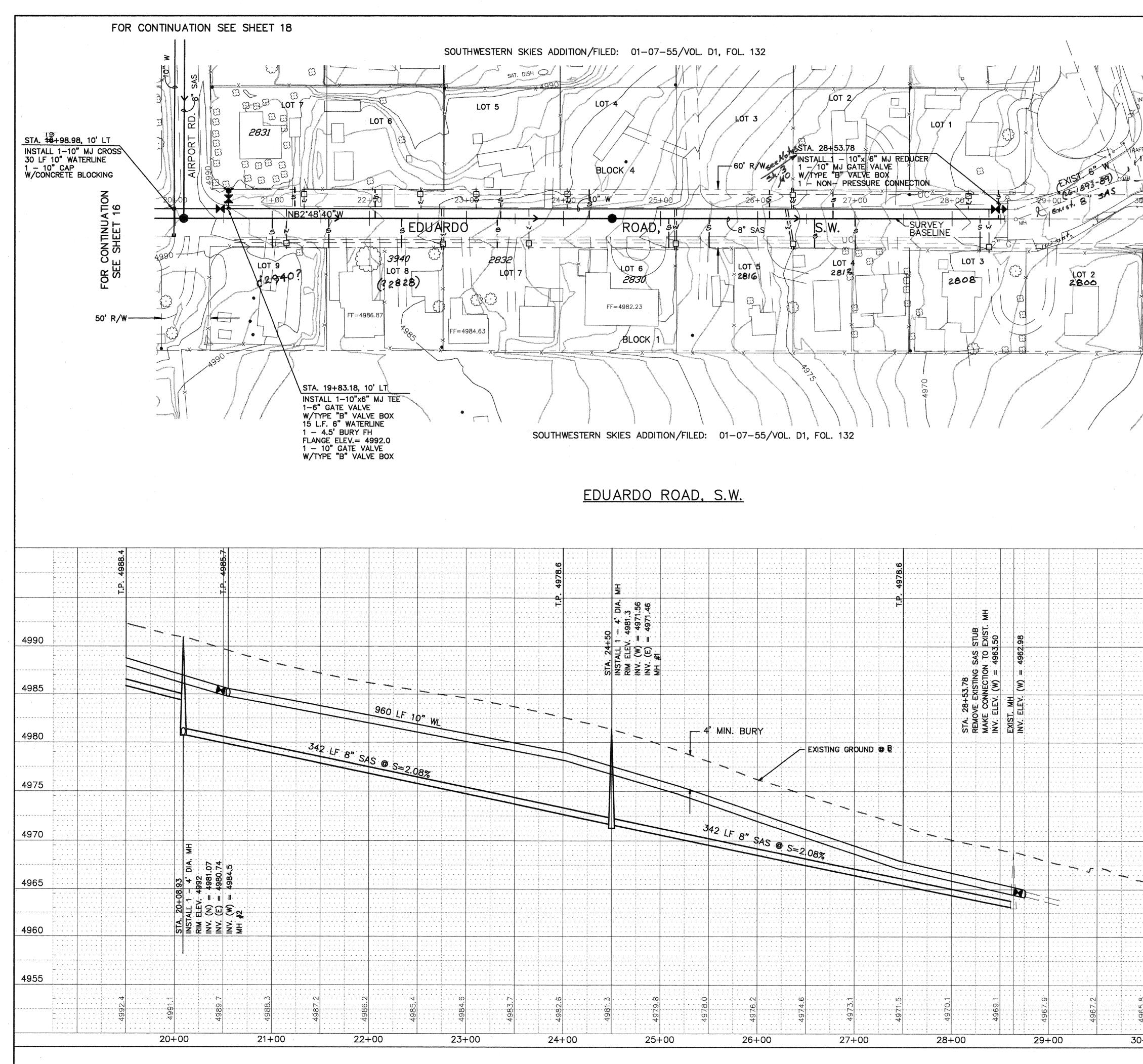


	PLAN scale: 1"=50' PROFIL F	A TION	DATE <i>11/94</i>	DATE .	DATE	DATE	'A TION	DATE	
	SCALE: 1'=50' HORIZ. 1"=5' VERT.	INFORM			PACK	0. A.	INFORM		
	W&C	BUILT	CTOR J. R. 1	BY J.R. 1	В		-FILA	BΥ	
		AS	CONTRAC	WORK STAKED	ACCEPTANCE	VERIFICATION DRAWINGS	MICRO	RECORDED	NO.
A. 26+57, 10' LT STALL 1- 4.5' BURY FH ANGE ELEV.= 4977.5	LEGEND New Exist.			STAMPED	SECTION OF		SEI AL IHE		
STA. $27+47$, 10' LT INSTALL 1 - 6" 45" BEND 1 - 6" 22.5" BEND 1 - NON-PRESSURE	SAS SAS SAS SANITARY SEWER	SKS		CAP	OF THE INTERSECTION	953.487	Pl. 14		
1 - NON-PRESSURE CONNECTION 00 28+28.06	GATE BUTTERFLY	CH MARK		DARD ACS BRASS	42.3' WEST C		SIAMPEU PANEL		
	WM WATER METER WM FIRE HYDRANT C TREE/SHRUB	BEN		IS A STAN	1976" LOCATED	NKE RD.	ROAD.		
E D L D D L D D D D D D D D D D D D D D	G GAS LINE SD STORM DRAIN			BENCHMARK USED	45-7A,	OORS RD.	ND OF FDU	5	
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-00	PROJECT MAP NO.			 HEE	T		0		

FOR CONTINUATION SEE SHEET 20	STA. 11+48, 10' LT / INSTALL 1 - 10"x6" MJ TEE			<u>STA. 19+70 , 10° LT</u> INSTALL 1 — 10" MJ GATE VAL 1 — TYPE "B" VALVE BOX
STA. 11+48, 30' LT. STA. 11+48, 30' LT. INSTALL 1 - 4.5' BURY FH		SOUTHWESTERN SKIES ADDITION/FILED:	: 01-07-55/VOLUME D1, FOLIO 132	
FLANGE ELEV.= 5004.5		BLOCK 3	× × × ×	
EZ EZ EZ Z929	CO3 LOT 7 292 2925	6711 42	¿ 2402? LOT 4 LOT 3	
S SEWER & WATER EASEMEN FILED: 1-27-99 BOOK: 9902 PAGE: 1268 40				
The second secon				
			ROAD, S.W. BASELINE	
			LOT 4 LOT 3	
LOT 8 FILED: 8-11-77 VOL. B13, FOL. 7 2932	LOT 7 2920 LOT 6	LOT 5		
(2939?)		BLOCK 2	2912 E	
	- 5005 SOUT	WESTERN SKIES ADDITION/FILED: 01-	-07-55/VOLUME D1, FOLIO 132	
STA. 9+10 – BEGIN BASELINE STA. 10+00 WEST EASEMENT S.W. INSTALL 1 – 10" MJ $\frac{22.5}{11.1/4}$ BEND (E) 1 – 10" MJ TEE			5000 × 5000	
1 – 10" MJ TEE 111/4 1 – 10"x6" MJ REDUCER (N) 1 – 6" MJ GATE VALVE (N)				
1 – 10" MJ CAP (S) W/CONC. BLOCKING				
	<u><u> </u></u>	DUARDO ROAD, S.W.		, , , , , , , , , , , , , , , , , , ,
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		4' MIN. BURY		
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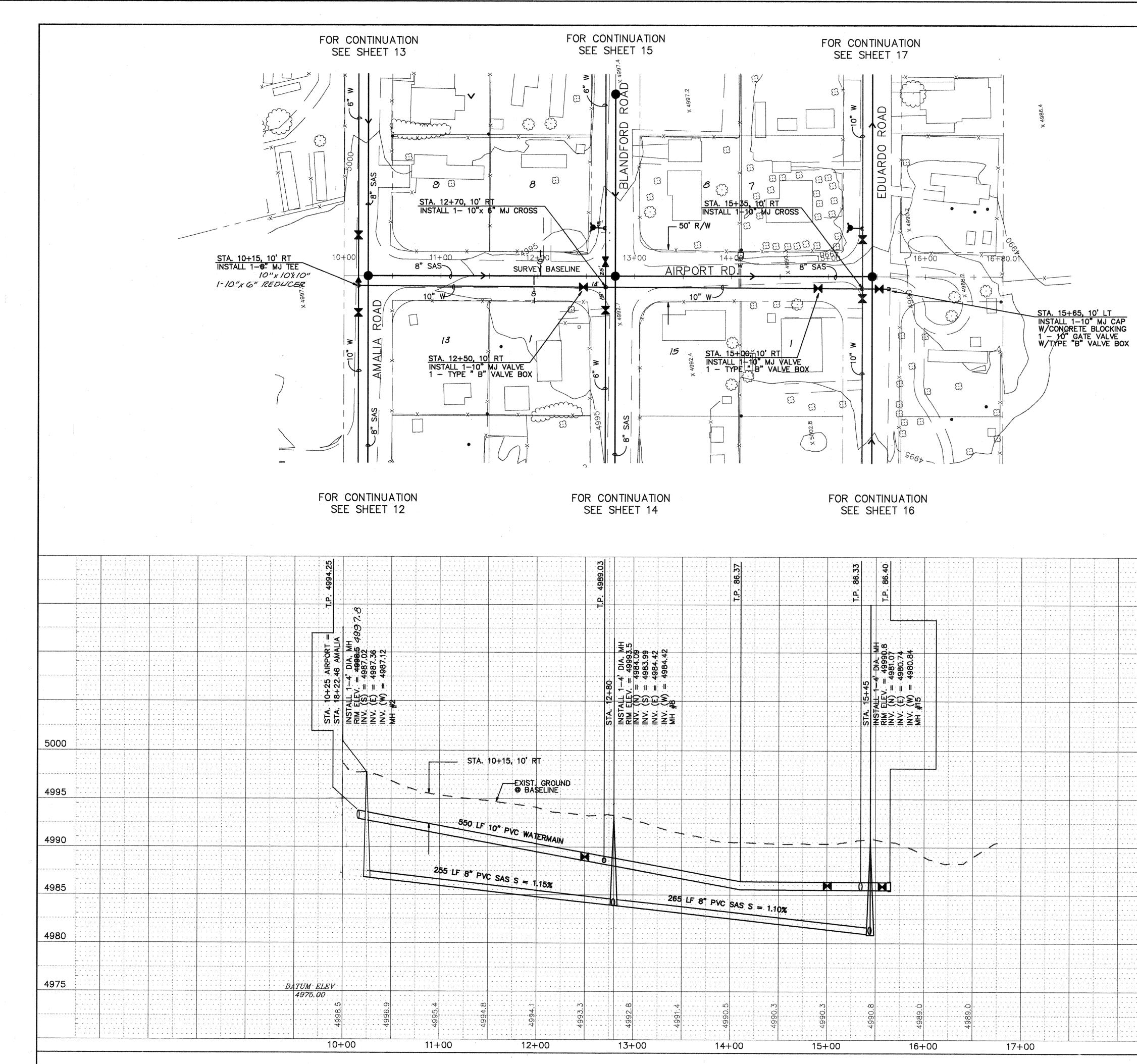






KIES ADDITION/FILED: 01-07-55/VOL. D1, FOL. 132	AND OF THE DATE DATE DATE DATE DATE DATE DATE DAT
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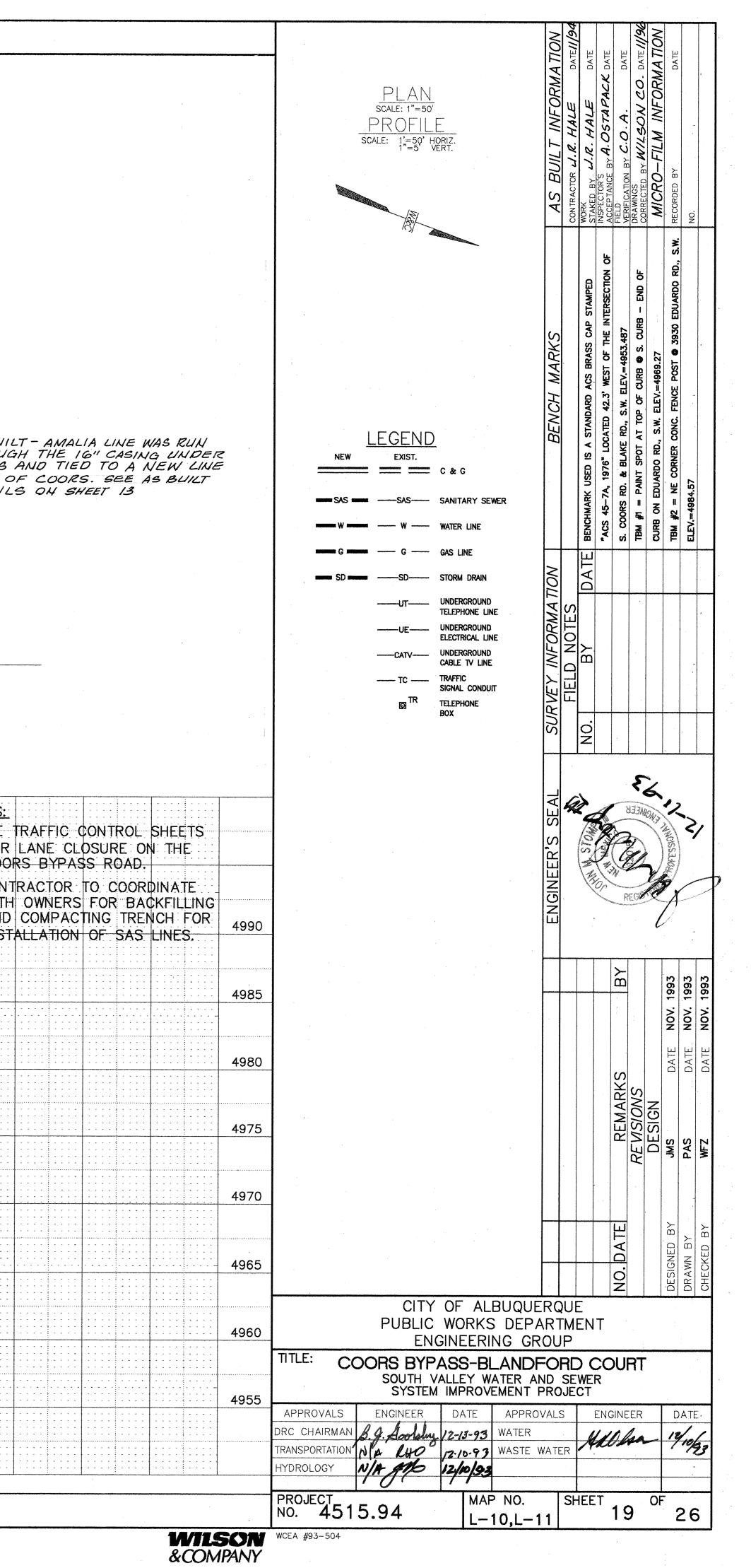


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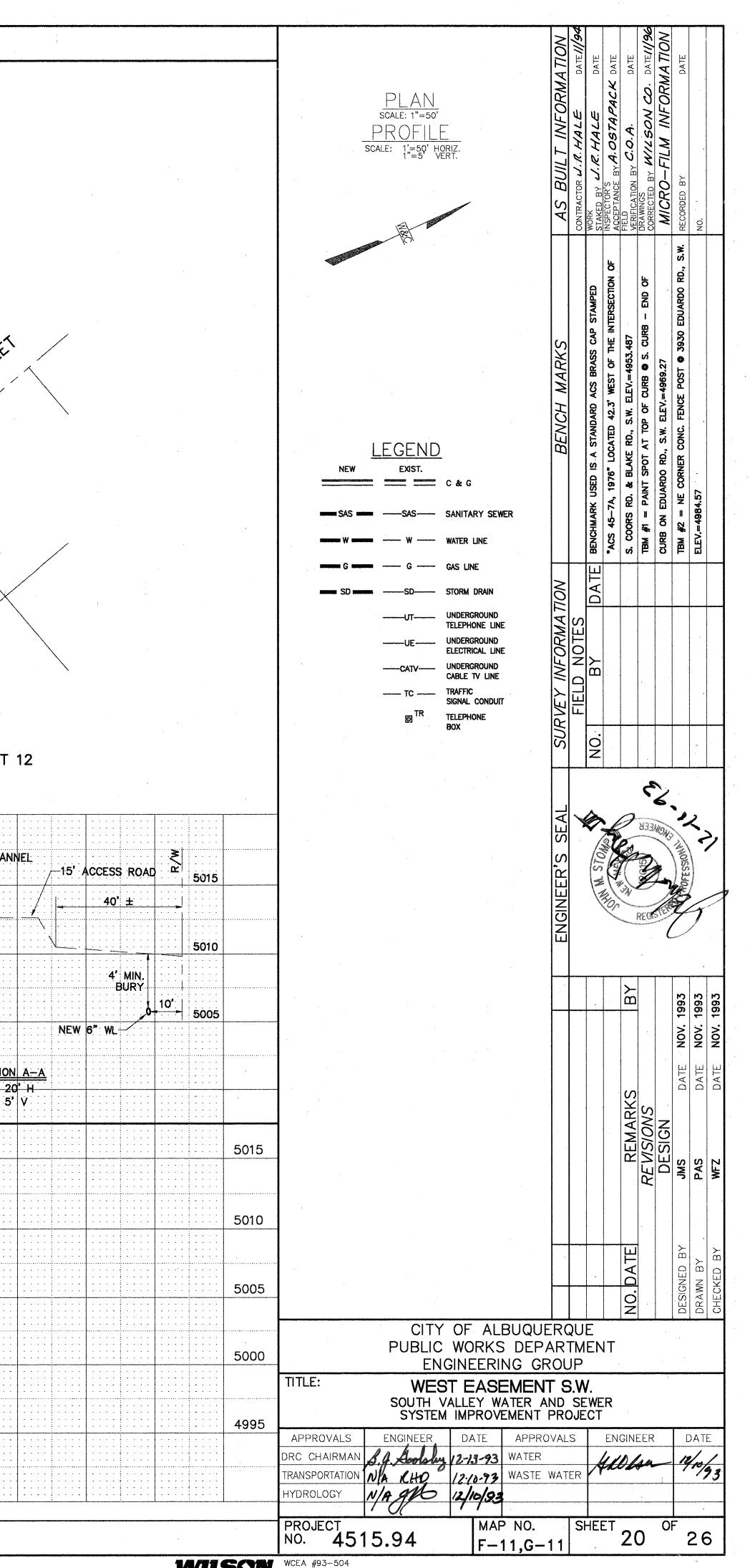
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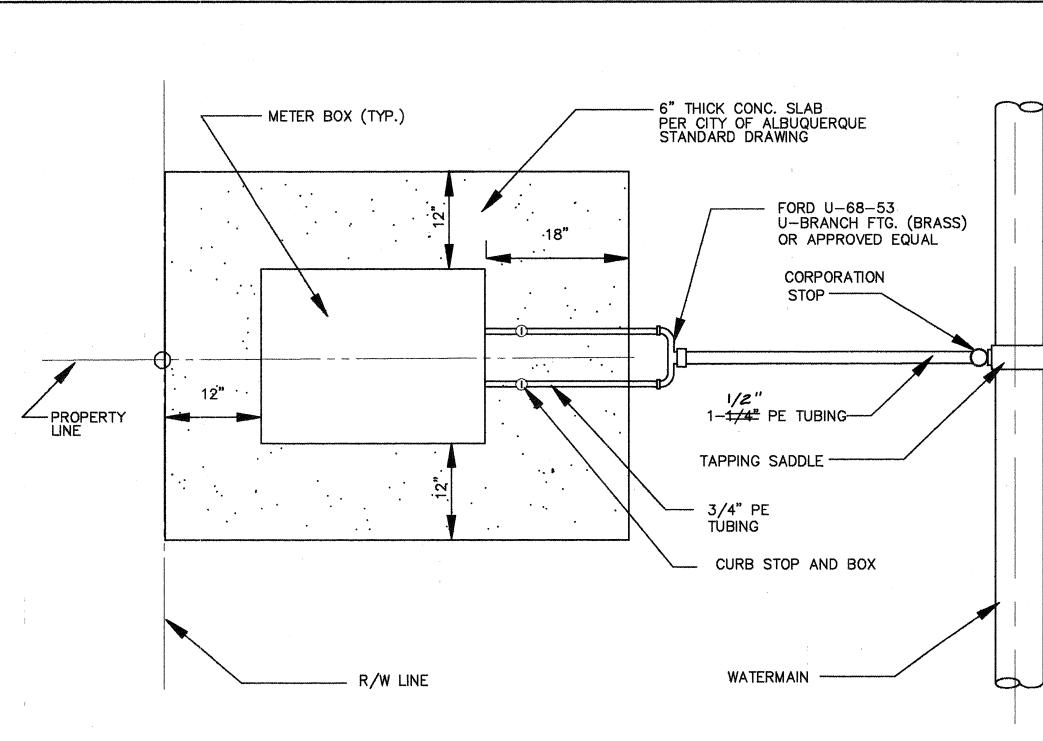
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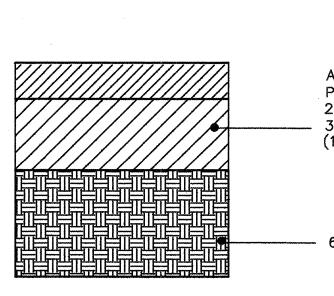


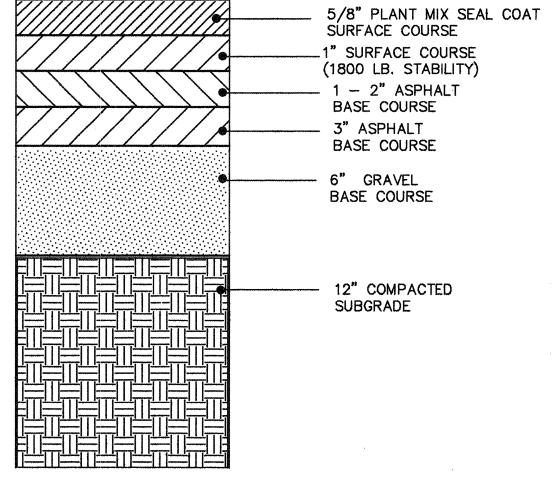
TYPICAL DOUBLE WATER SERVICE/SINGLE TAP INSTALLATION

NTS

NOTE: THE PURPOSE OF THIS DETAIL IS TO SHOW HOW TO CONNECT STANDARD DOUBLE WATER SERVICE WITH ONE TAP AND LINE. THE CONTRACTOR IS REQUIRED TO CONSTRUCT THIS IN ACCORDANCE WITH STANDARD CITY OF ALBUQUERQUE AND BERNALILLO COUNTY DRAWINGS.

	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"	28'	12'	6'	3'	37'	74'					
8"	37'	15'	7'	4'	54'	99,					
10"	44'	18'	7'	4'	69'	115'					
12"	52'	21'	10'	5'	85	136					
* Tee	; branc	:h-eac	h run pip:	e shall b	e min. 10'	w/o joints					





ARTERIAL PAVING SECTION

RESIDENTIAL PAVING SECTION NTS

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ASPHALT PAVEMENT PER SCHEDULE 2" SECTION - 1 LIFT 3" SECTION - 2 LIFTS (1500 LB. STABILITY)

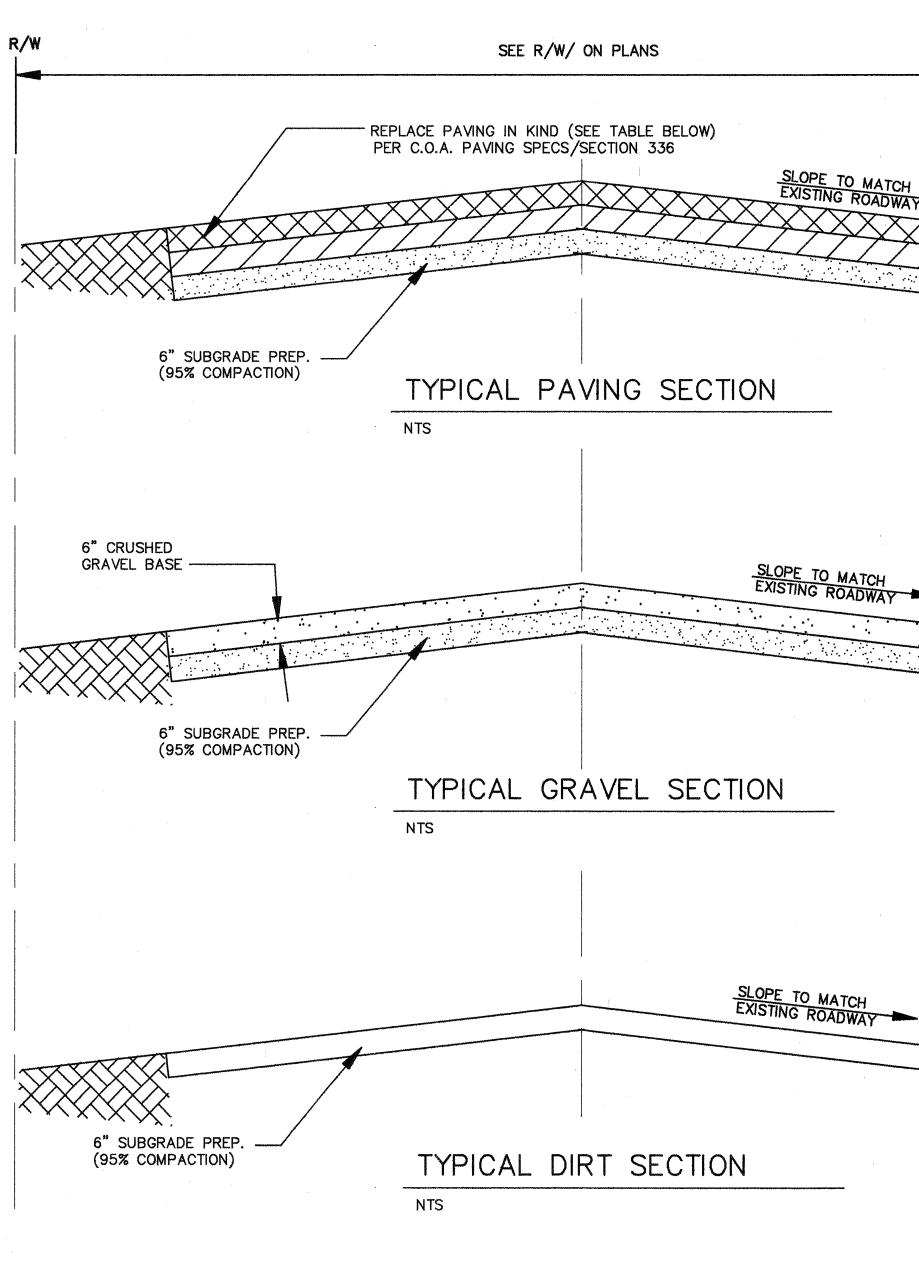
- 6" SUBGRADE PREP.

TEMPORARY PAVEMENT SECTION

(INCIDENTAL TO TRAFFIC CONTROL)

1" SURFACE COURSE (1800 LB. STABILITY) ASPHALT BASE COURSE THICKNESS AS PER SCHEDULE (1500 LB. STABILITY)

----- 6" SUBGRADE PREP.



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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION / BARRICADING 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, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, 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 UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION. PER SECTION GA-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 TAPERS 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 GA-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

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 LETTERING ON BLUE REFLECTORIZED BACKGROUND WITH A 5/8" WHITE BORDER INSET 3/8". 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 AN 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. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION GA-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING 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. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

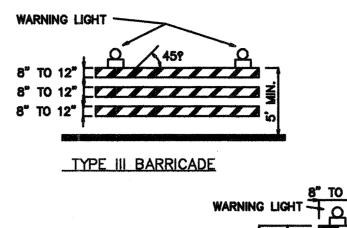
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

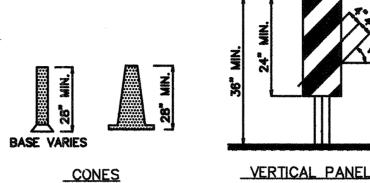
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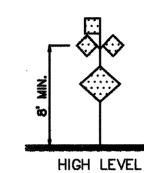
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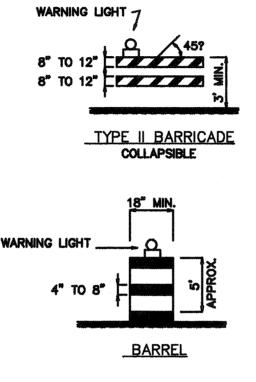
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PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES





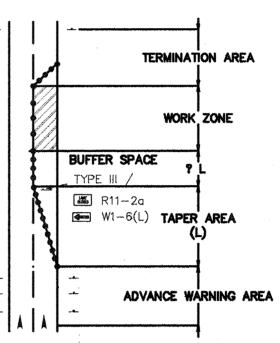




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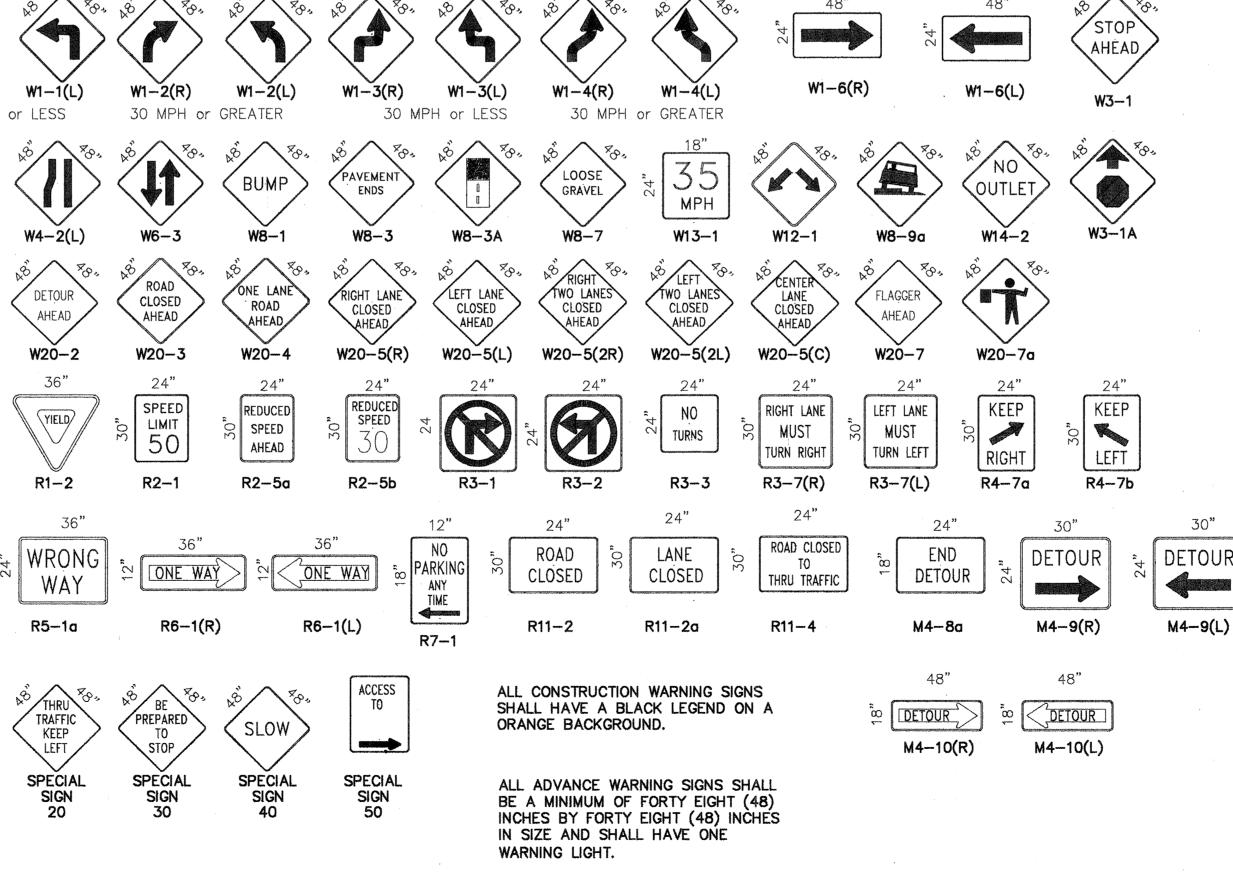
TYPE I BARRICADE

COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

SIGN FACE DETAILS



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- WORK AREA BARRICADE - TYPE I, TYPE II, OR BARREL
 - BARRICADE TYPE III
 - VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- N FLAGMAN POSITION

SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

TAPER LENGTH - SEE CHART BELOW L

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

WARNING DEVICE

TAPER REQUIREMENTS

SPEED LIMIT	TAI	PER LENG (FEET)	TH	MINIMUM	MAXIMUN SPACING	I DEVICE
(MPH)	10' LANE	11' LANE	12' LANE	OF DEVICES FOR TAPER	ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	50
25	105	115	125	6	25	60
30	150	165	180	7	30	70
35	205	225	245	8	35	80
40	270	295	320	- 9	40	90
45	450	495	540	13	45	100
50	500	550	600	13	50	100
55	550	605	660	13	55	40

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES SPEED MINIMUM DISTANCE IN FEET MILES FROM LAST BETWEEN PER HOUR SIGN TO TAPER SIGNS 0-20 200 200 300 250 25-30 300 300 30-35 40-45 500 400

500-1600

500-1000

TAPER CRITERIA

50-60

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

TAPER LENGTH COMPUTATION

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

L = TAPER LENGTH

W = WIDTH OF OFFSET IN FEETS = POSTED SPEED OR OFF-PEAK

85-PERCENTILE SPEED IN MPH

									2 Z		DES	₽KA	L H
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT													
				NG GR			ΕN				. 1		-
TITLE: SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT													
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS													
APPROVALS	ENGINEER	DATE		APPROVALS		ENGINEER				DATE			
DRC CHAIRMAN	B.g. Anophy	12-13-93		WATER		UNDI.				12/1			
TRANSPORTATION	N/A KMO	12.10-93		WASTE WATER		ER	These			2	- 1993		
HYDROLOGY	N/A ANO	12/	oka									1	
	100												
PROJECT			MA	P NO.		S	HE	ΕT		0			,
^{NO.} 4515.94		L-10, L-11 M-10, M-11						23	S	ć	26		

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SURVEY INFORA FIELD NOTE BY

NEER'S

DA

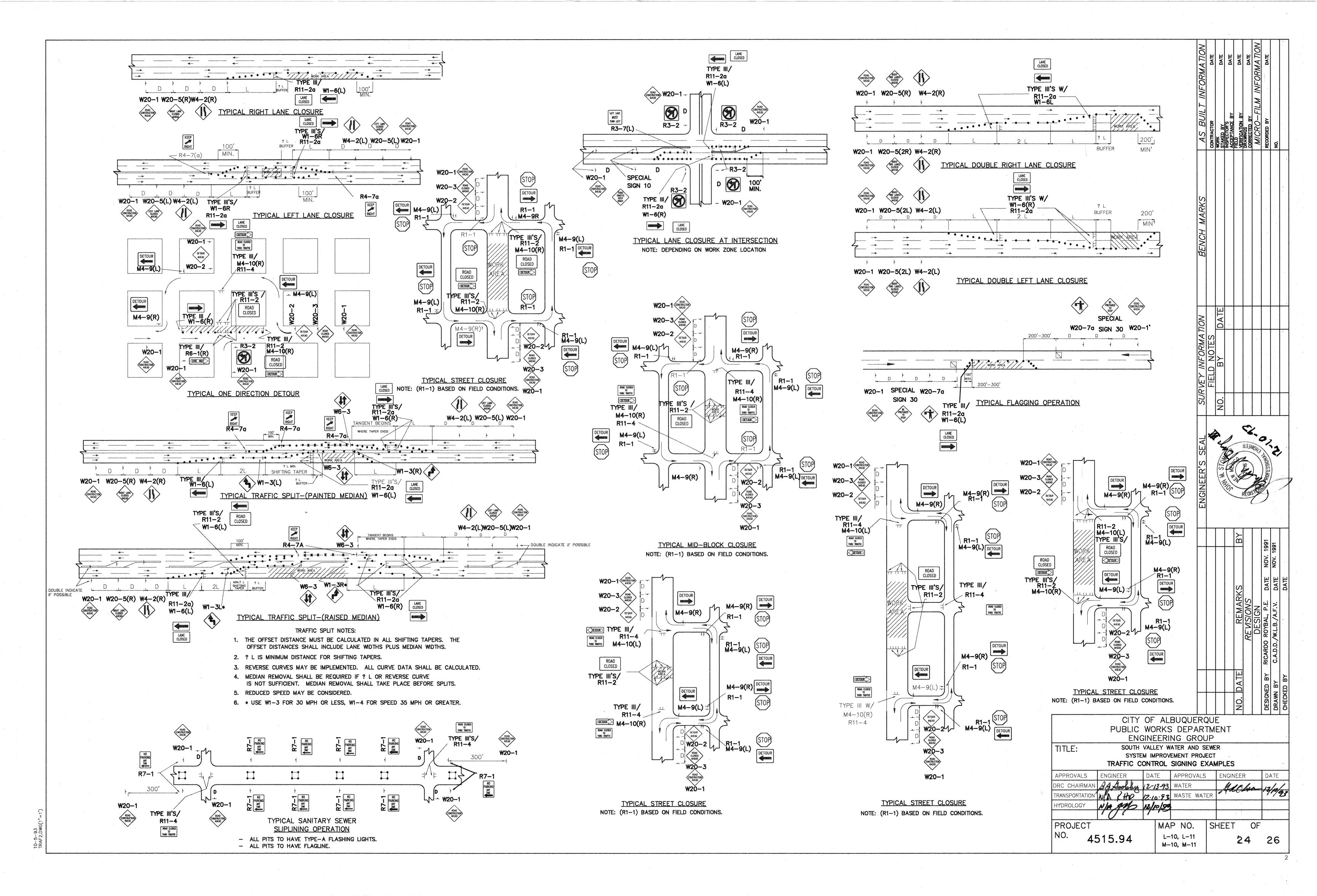
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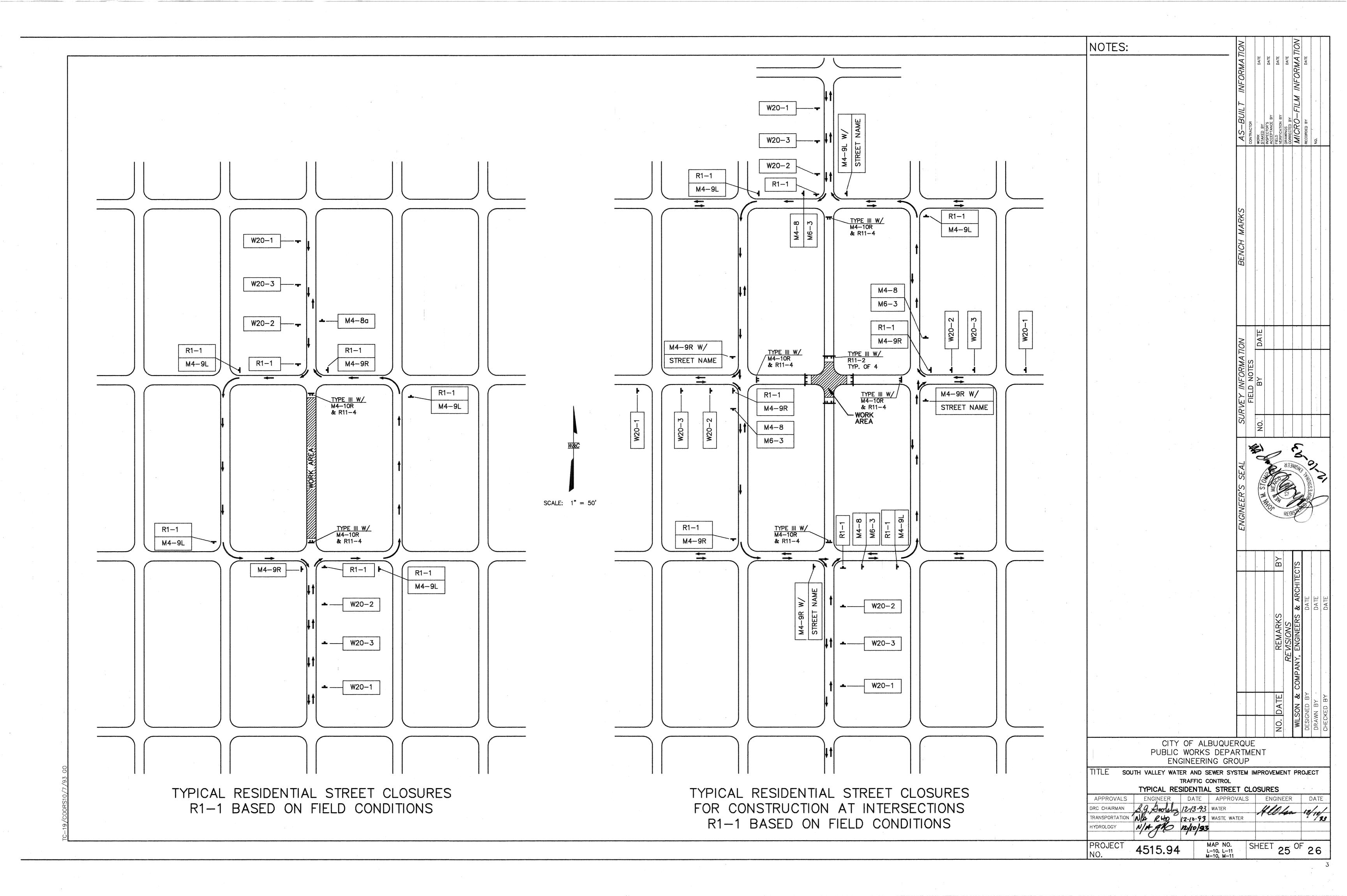
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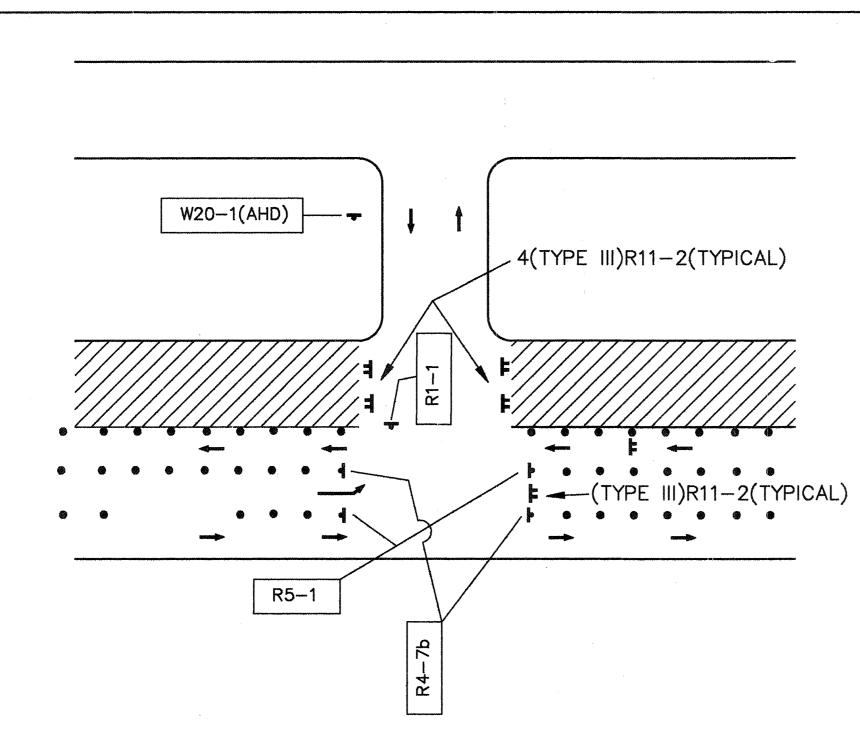
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1991 1991

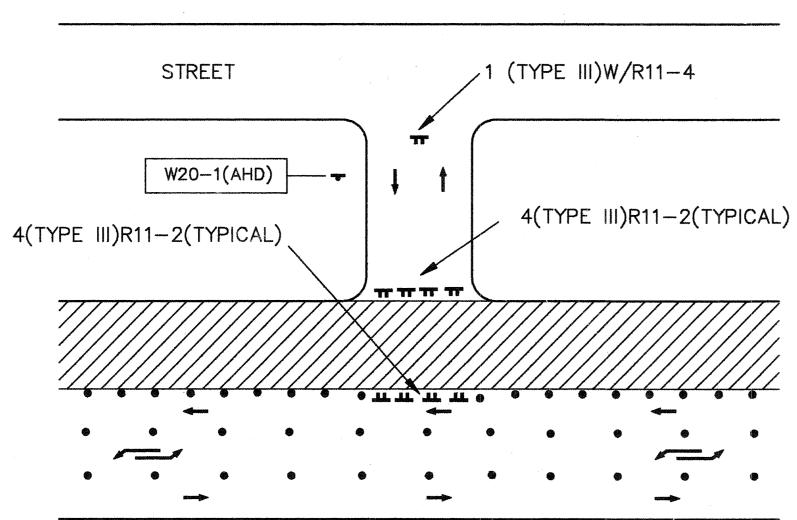
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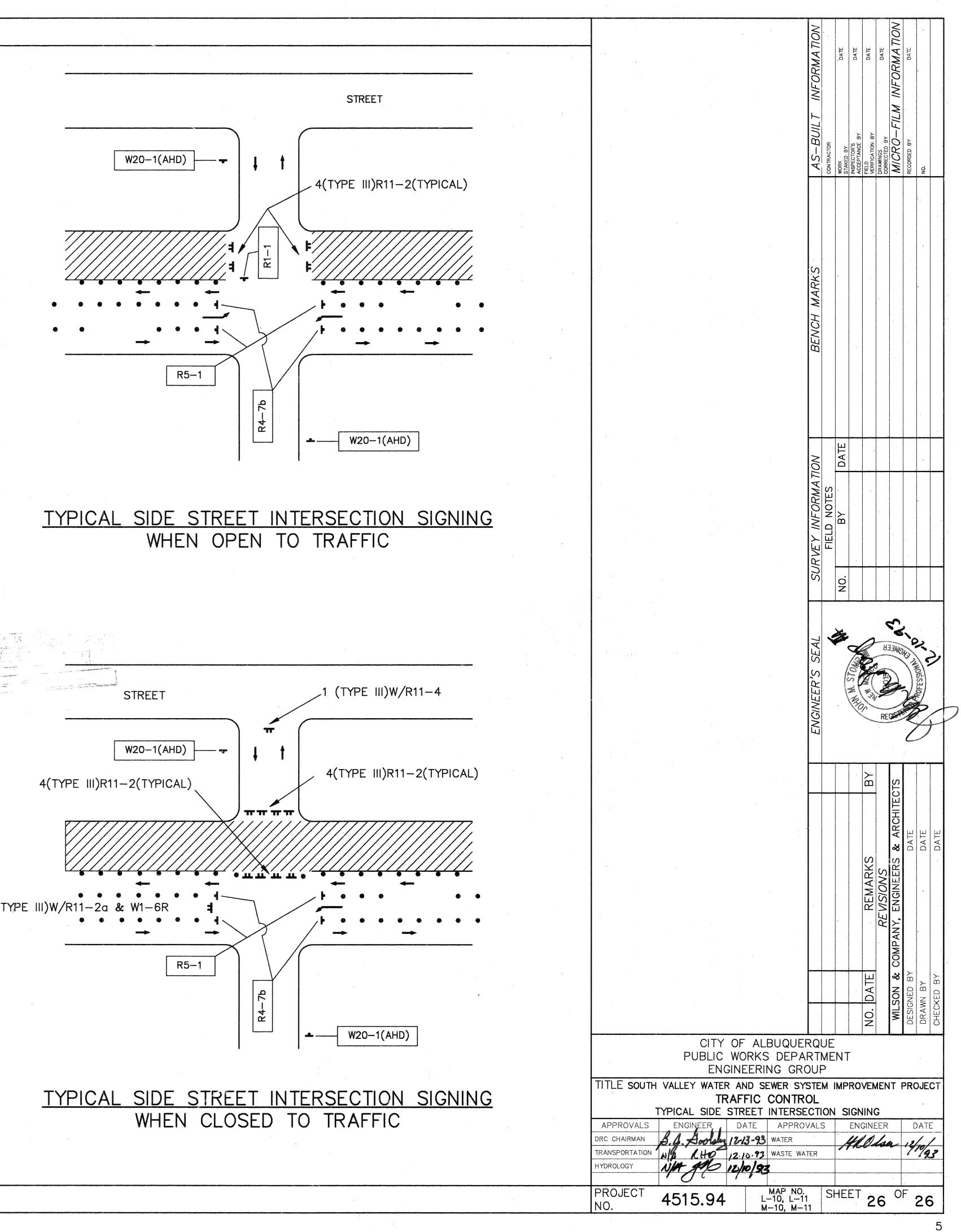








TYPICAL SIDE STREET INTERSECTION SIGNING WHEN CLOSED TO TRAFFIC



204-0-13425.²⁷ . 2940. 4(TYPE III)R11-2(TYPICAL) 1 (TYPE III)W/R11-2a & W1-6R