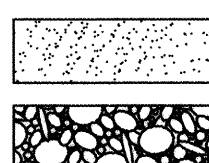


LEGEND

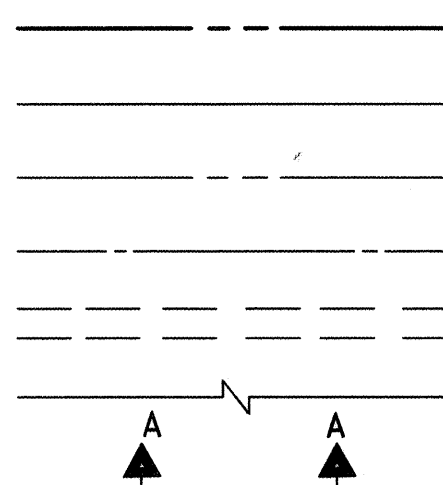
MATERIALS

CONCRETE
RIP-RAP



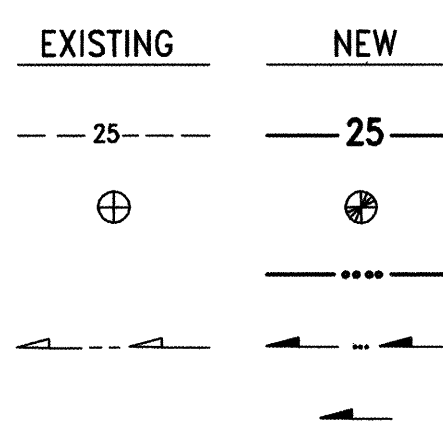
LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



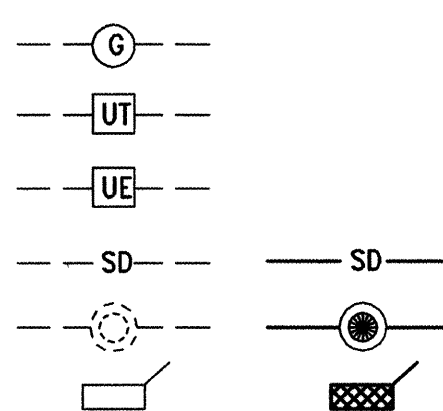
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW



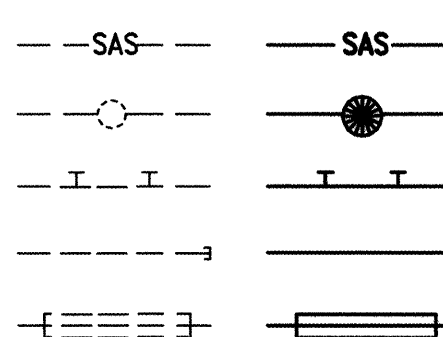
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



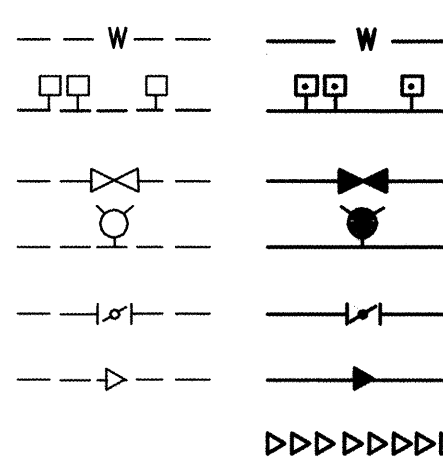
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



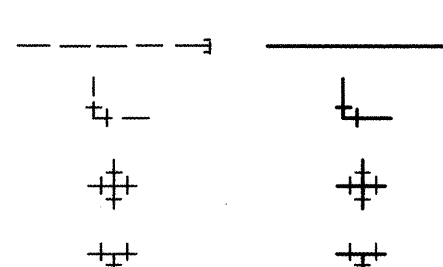
WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



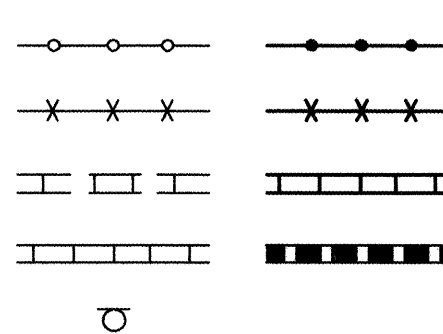
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE



CONSTRUCTION PLANS for PUBLIC FIRE HYDRANT INSTALLATION FIRST FEDERAL BANK @ 25

ALBUQUERQUE, NEW MEXICO
MAY, 2003

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	PLAT OF RECORD
3	GRADING PLAN (FOR INFORMATION ONLY)
4	SITE PLAN; WATER VALVE SHUT-OFF PLAN
5	CITY WATER DETAILS
6	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
7	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES

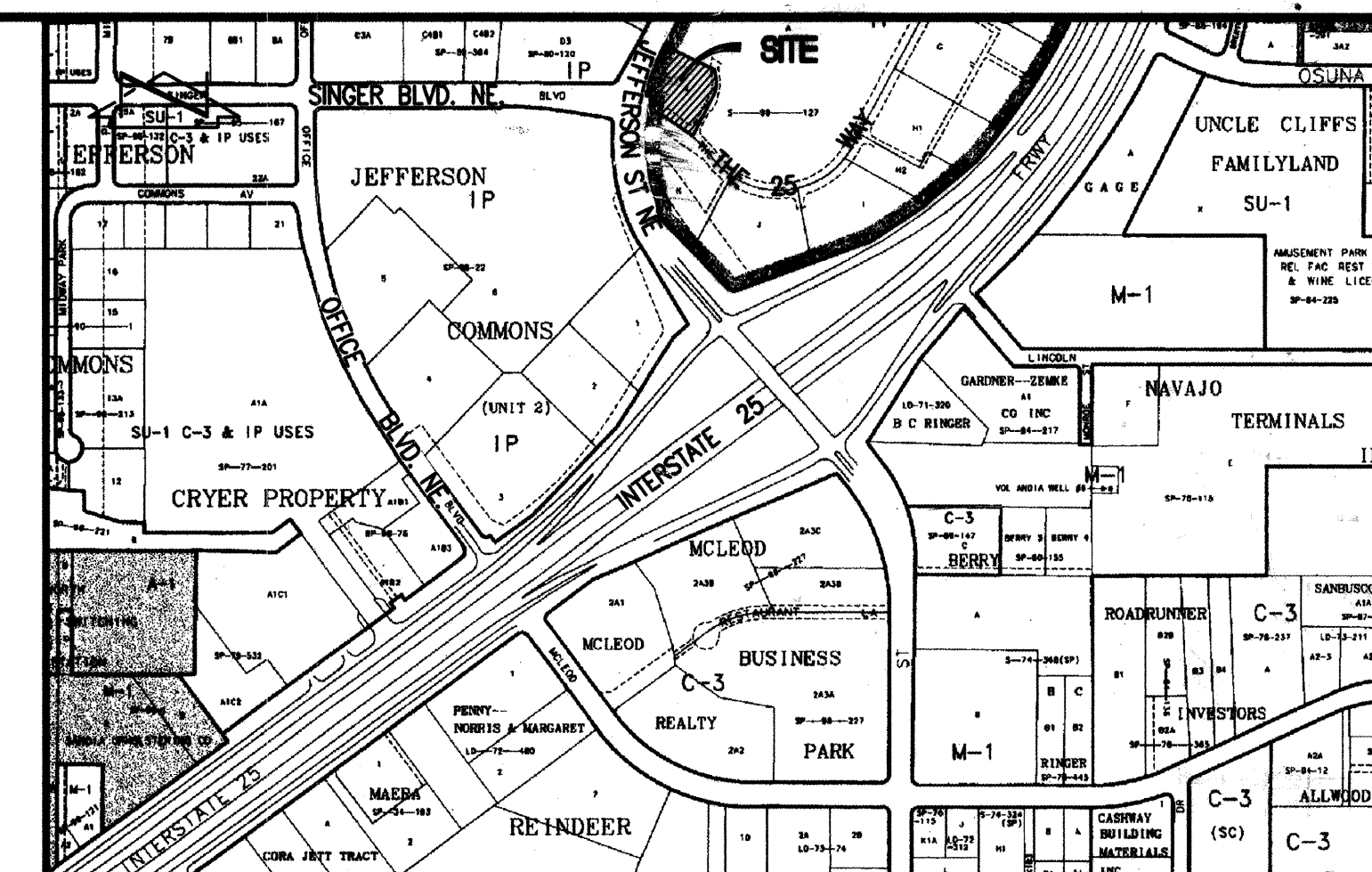
CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE 12/20/2003



APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY ENGINEER
DATE 12/20/2003



VICINITY MAP
SCALE: 1" = 750'

F-17

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986 - UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED ON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATIONS. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

RECORD DRAWING

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 27 28 29 30 31 32 33 34 35

2002.078.4⁵

Jma JEFF MORTENSEN & ASSOCIATES, INC.
101-B MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (SOS) 545-4250
FAX: 505 345-4254 E-mail: jma@swcp.com

FAX: 505 545-4254 EMail: main@wcp.com									
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SCANNED BY
MESA REPRO

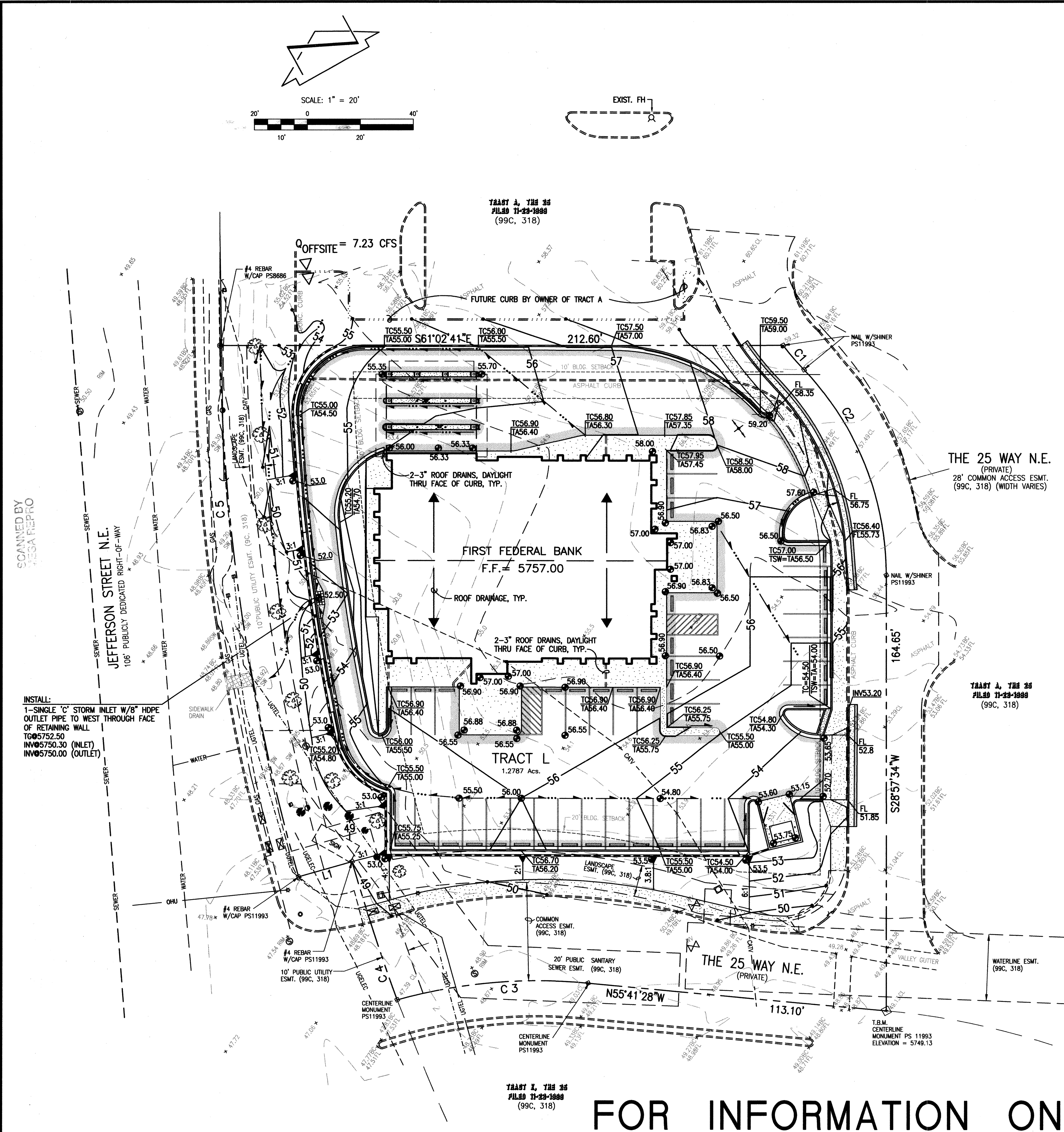
Water & Sanitary Sewer Easement Details

Easement Line Data

LINE	LENGTH	BEARING	LINE	LENGTH	BEARING
L1	20.00	S 89°57'34" E	L54	10.00	N 78°12'00" E
L2	31.33	N 28°57'34" E	L55	14.50	S 13°38'53" E
L3	10.00	N 81°02'26" W	L56	77.00	N 78°12'00" E
L4	6.33	N 28°57'34" E	L57	48.91	S 88°17'50" E
L5	6.33	N 28°57'34" E	L58	50.19	N 31°12'00" W
L6	10.00	N 81°02'26" W	L59	10.00	S 88°17'50" E
L7	6.33	N 28°57'34" E	L60	50.19	N 31°12'00" W
L8	20.00	N 28°57'34" E	L61	20.00	S 88°17'50" E
L9	20.00	N 28°57'34" E	L62	63.74	N 31°12'00" W
L10	38.00	S 81°02'26" W	L63	10.00	S 88°17'50" E
L11	41.86	S 81°02'26" W	L64	53.74	S 31°12'00" W
L12	20.00	N 28°57'34" E	L65	20.00	S 31°12'00" W
L13	10.00	S 81°02'26" W	L66	6.00	N 88°17'50" E
L14	20.00	S 81°02'26" W	L67	13.00	S 31°12'00" W
L15	110.15	S 88°17'50" E	L68	10.00	N 88°17'50" E
L16	20.39	S 18°41'40" E	L69	13.00	N 31°12'00" W
L17	16.36	S 18°41'40" E	L70	28.85	S 81°02'26" W
L18	108.00	N 21°18'11" E	L71	13.37	N 81°02'26" W
L19	120.14	S 87°05'41" E	L72	10.48"	N 88°17'50" E
L20	10.85	S 81°02'26" W	L73	28.85	S 81°02'26" W
L21	2.49	N 28°57'34" E	L74	12.00	N 28°57'34" E
L22	10.00	S 81°02'26" W	L75	34.00	S 81°02'26" W
L23	2.49	S 28°57'34" W	L76	12.00	S 28°57'34" W
L24	231.51	S 81°02'26" W	L77	68.89	S 81°02'26" W
L25	43.49	S 28°57'34" W	L78	12.00	N 28°57'34" E
L26	10.00	N 81°02'26" W	L79	12.00	S 88°17'50" E
L27	23.49	N 28°57'34" E	L80	51.85	S 81°02'26" W
L28	68.14	N 81°02'26" W	L81	12.00	S 81°02'26" W
L29	27.76	S 28°57'34" W	L82	34.00	S 81°02'26" W
L30	10.00	N 81°02'26" W	L83	12.00	N 28°57'34" E
L31	28.84	N 28°57'34" E	L84	138.50	S 81°02'26" W
L32	111.59	N 87°05'41" E	L85	12.00	N 12°00'00" W
L33	112.95	S 21°18'11" W	L86	12.00	S 28°57'34" E
L34	68.14	S 21°18'11" W	L87	14.81	N 28°57'34" E
L35	85.98	S 84°37'30" E	L88	12.00	N 81°02'26" W
L36	62.50	S 37°30'55" E	L89	34.00	N 81°02'26" W
L37	76.16	S 37°30'55" E	L90	12.00	S 81°02'26" W
L38	68.57	S 29°22'48" E	L91	30.34	N 81°02'26" W
L39	17.17	S 29°22'48" E	L92	16.00	N 81°02'26" W
L40	38.02	N 28°57'34" E	L93	22.42	S 81°02'26" W
L41	20.00	S 28°57'34" E	L94	6.36	N 21°18'11" E
L42	20.00	N 81°02'26" W	L95	4.42	S 81°02'26" W
L43	22.98	S 28°57'34" E	L96	11.82	N 81°02'26" W
L44	7.50	N 87°05'41" E	L97	12.00	S 81°02'26" W
L45	126.52	S 28°57'34" E	L98	12.00	N 10°53'40" E
L46	85.61	N 28°57'34" E	L99	12.00	S 03°52'10" E
L47	13.89	N 81°02'26" W	L100	6.08	S 81°02'26" W
L48	10.00	N 28°57'34" E	L101	12.00	N 33°54'50" E
L49	13.89	S 81°02'26" W	L102	18.43	S 81°02'26" W
L50	20.37	N 28°57'34" E	L103	12.00	S 30°52'00" E
L51	88.04	S 76°21'27" W	L104	17.82	N 59°54'40" E
L52	17.36	N 76°21'27" W	L105	10.00	S 30°52'00" E
L53	14.50	N 13°38'53" E	L106	17.82	S 59°54'40" E

Easement Curve Data

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA	CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C39	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C2	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C40	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C3	288.00	29.22	12.82	22.71	N 83°30'02" E	90°03'13"	C41	111.61	46.31	23.80	48.89	N 67°08'30" E	90°00'00"
C4	288.00	29.22	12.82	22.71	N 83°30'02" E	90°03'13"	C42	111.61	46.31	23.80	48.89	N 67°08'30" E	90°00'00"
C5	25.00	124.01	63.62	122.75	N 49°30'32" E	92°31'55"	C43	288.00	159.23	81.74	152.19	N 78°36'22" E	91°34'00"
C6	18.00	23.35	13.62	21.73	N 72°45'12" E	72°14'36"	C44	262.76	164.85	85.39	160.64	N 72°09'44" E	91°11'30"
C7	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C45	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C8	203.00	78.61	36.90	78.34	N 72°03'12" E	92°41'33"	C46	233.00	170.80	87.39	169.02	N 70°11'17" E	91°00'00"
C9	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C47	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C10	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C48	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C11	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C49	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C12	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C50	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C13	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C51	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C14	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C52	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C15	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C53	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C16	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C54	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C17	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C55	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C18	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C56	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C19	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C57	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C20	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C58	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C21	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C59	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C22	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C60	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C23	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C61	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C24	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C62	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C25	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C63	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C26	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C64	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C27	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C65	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C28	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C66	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C29	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C67	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C30	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C68	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C31	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C69	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C32	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C70	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C33	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C71	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C34	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C72	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C35	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C73	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C36	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C74	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C37	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C75	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C38	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C76	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C39	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C77	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C40	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C78	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C41	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C79	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C42	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C80	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C43	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C81	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C44	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C82	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C45	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C83	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C46	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C84	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C47	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C85	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C48	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C86	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C49	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C87	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C50	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C88	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C51	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C89	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"
C52	25.00	39.27	25.00	35.38	N 73°37'34" E	90°00'00"	C90	288.00	148.19	74.75	144.58	N 78°12'00" E	90°00'00"



LEGAL DESCRIPTION:

TRACT L OF THE 25, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

PROJECT BENCHMARK

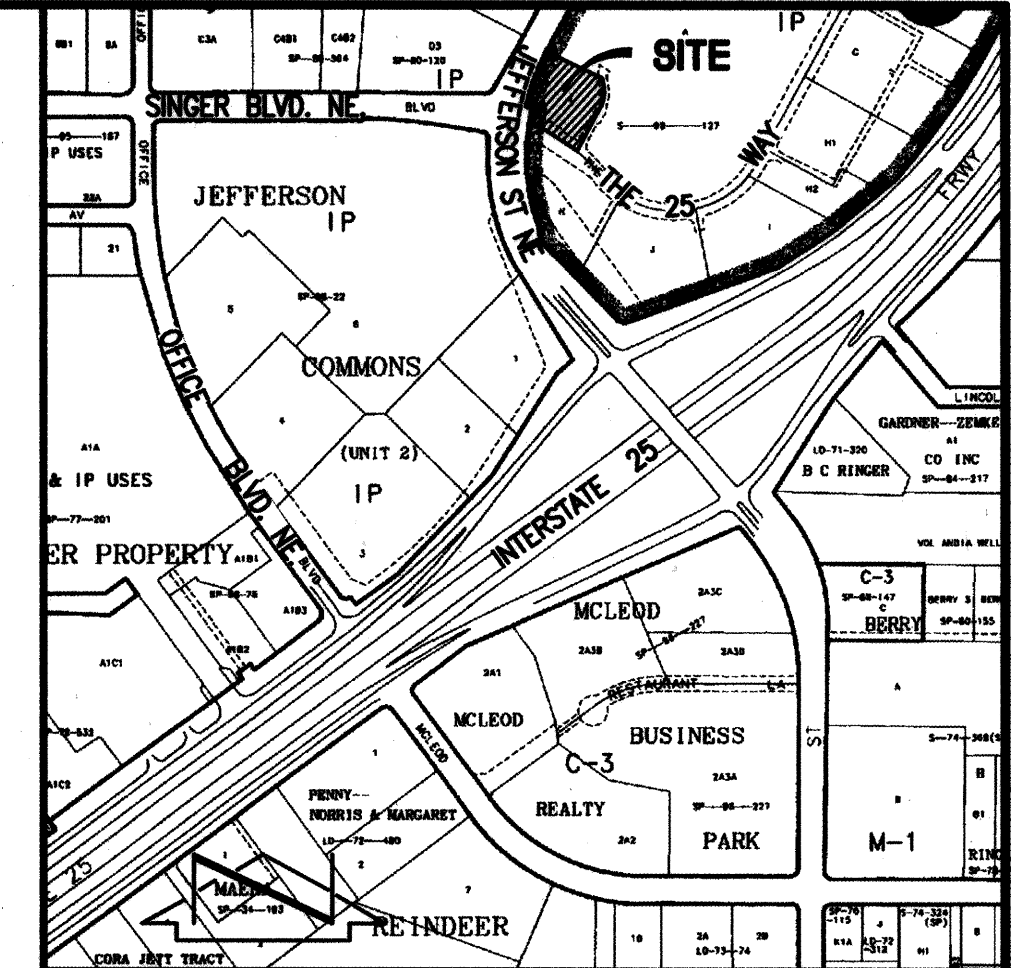
THE BASIS OF ELEVATIONS FOR THIS PLAN IS ACS BENCHMARK 1-25-17, THE PUBLISHED ELEVATION OF WHICH IS 5171.1. SAID BENCHMARK IS LOCATED 7' EAST OF THE WEST RIGHT-OF-WAY LINE OF THE WEST FRONTAGE ROAD, 0.75 MILES SOUTH OF OSUNA RD. (DESCRIPTION AND ELEVATION REFERENCED BASED UPON SURVEY BY SURVEYS SOUTHWEST, JULY, 2002)

T.B.M.

CENTERLINE MONUMENT LOCATED AT THE INTERSECTION OF THE 25 WAY (ENTRANCE ROAD) AND THE 25 WAY (NORTH-SOUTH). ELEV: 5749.13 FEET

LEGEND

00.00	ELEVATION AT GROUND
00.00	ELEVATION AT TOP OF FINISHED SURFACE
00.00 SW	ELEVATION AT TOP OF SIDEWALK
00.00 CL	ELEVATION AT CENTERLINE OF DRIVING LANE
00.00 BC	ELEVATION AT BACK OF CURB
00.00 FL	ELEVATION AT FLOWLINE OF CURB
00.00 RM	ELEVATION AT RIM OF MANHOLE
50.25	TRAFFIC SIGNAL BOX
50.25	TRAFFIC SIGNAL
50.25	LIGHT POLE
50.25	POWER POLE
50.25	OVERHEAD UTILITY LINE
50.25	UNDERGROUND GAS LINE
50.25	UNDERGROUND SEWER LINE
50.25	UNDERGROUND WATER LINE
50.25	ANCHOR
50.25	SEWER MANHOLE
50.25	UNDERGROUND ELECTRIC LINE
50.25	UNDERGROUND TELEPHONE LINE
50.25	UNDERGROUND CABLE TV LINE
50.25	WATER METER
50.25	WATER VALVE
50.25	TELEPHONE SERVICE BOX
50.25	CABLE TV RISER
50.25	ELECTRIC RISER
50.25	UTILITY RISER
50.25	EXISTING SPOT ELEVATION
50.25	PROPOSED CONCRETE
50.25	PROPOSED ASPHALT PAVEMENT
50.25	PROPOSED TOP OF CURB
50.25	PROPOSED FLOWLINE
50.25	PROPOSED TOP OF ASPHALT
50.25	PROPOSED TOP OF SIDEWALK
50.25	PROPOSED SPOT ELEVATION
50.25	DIRECTION OF FLOW
50.25	PROPOSED CONTOUR
50.25	PROPOSED HIGHPOINT
50.25	PROPOSED RETAINING WALL (SEE SHEETS AS 101 & AS 201)



VICINITY MAP
SCALE: 1" = 750'±

CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.

EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- WHEN APPLICABLE, THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING CONSTRUCTION.
- UNLESS FINAL STABILIZATION IS OTHERWISE PROVIDED FOR, ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEEDING ACCORDING TO C.O.A. SPECIFICATION 1012 "NATIVE GRASS SEEDING". THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

RECORD DRAWING

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C1	112.00'	12.15'	6°12'49"	S11°36'50"E	12.14'
C2	112.00'	85.38'	43°40'49"	N07°07'10"E	83.33'
C3	200.00'	72.79'	20°51'11"	N66°07'06"W	72.38'
C4	744.50'	55.01'	4°14'01"	S10°51'40"W	55.00'
C5	765.51'	203.33'	15°13'06"	S20°35'01"W	202.73'

LINE TABLE	
LINE	LENGTH
L1	N77°01'36"W 20.97'

NOTE:

THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR INFORMATION ONLY. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN IS BASED UPON THE A.L.T.A./A.C.S.M. LAND TITLE SURVEY AND TOPOGRAPHIC EXHIBIT OF TRACT L, THE 25, PERFORMED BY SURVEYS SOUTHWEST, LTD., IN JULY, 2002.

26 7/23/01 0304

CITY PROJECT NO. 712381

02-14-2003

FOR INFORMATION ONLY



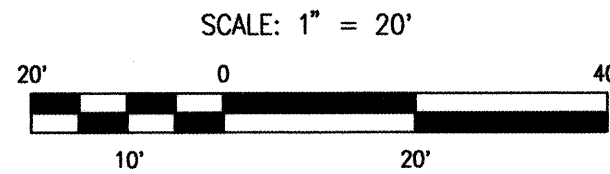
JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250
FAX: 505 345-4254 E-mail: jma@jma.com

GRADING AND DRAINAGE PLAN FIRST FEDERAL BANK • 25 DEVELOPMENT

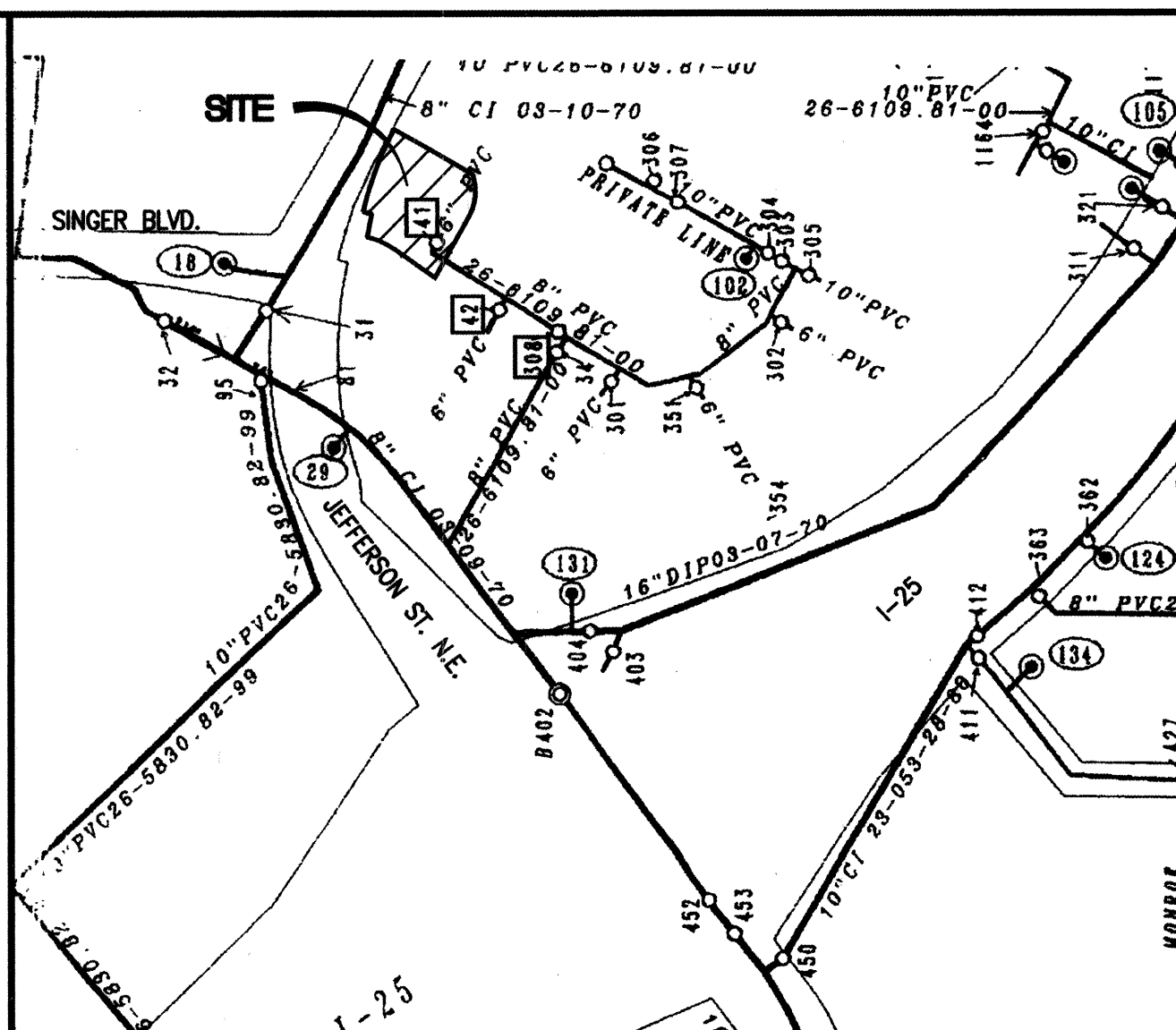
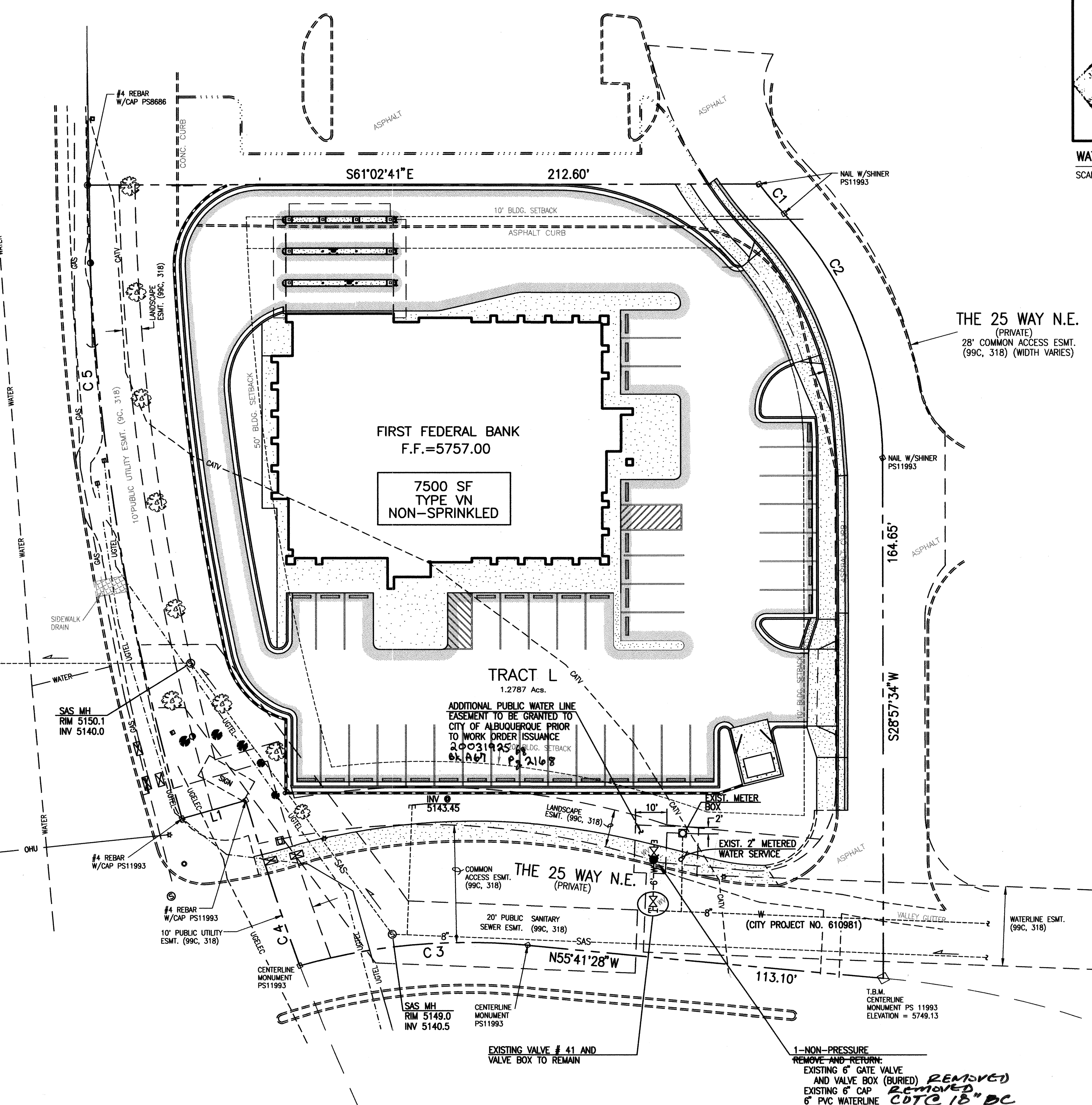
DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
JGM	7/16	JPM	Record Drawing	2002.078.4
DRAWN BY	DATE	SHEET	OF	
S.G.H./J.P.	05-2003	3	7	
APPROVED BY				
JGM				

SCANNED BY
MESA REPRO

JEFFERSON STREET N.E.
106' PUBLICLY DEDICATED RIGHT-OF-WAY



EXIST. FH



WATER VALVE SHUT-OFF PLAN

SCALE: 1" = 300'

WATER VALVE SHUTOFF PLAN NOTES:

1. AT A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED NON-PRESSURE CONNECTION:
VALVES 41, 42 AND 308
2. WATER SYSTEMS PERSONNEL SHALL PERFORM ALL SHUTOFFS. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES THAT MAY AFFECT SYSTEM OPERATIONS.
3. THE CONTRACTOR SHALL REQUEST A WATER SHUTOFF IN WRITING, A MINIMUM OF SEVEN (7) DAYS IN ADVANCE PER STANDARD CITY OF ALBUQUERQUE PROCEDURES.
4. WITHIN FIVE (5) DAYS AFTER RECEIPT OF CONTRACTOR'S SHUTOFF REQUEST, TRIAL SHUTOFFS WILL BE CONDUCTED. CITY TO FURNISH LABOR AND APPURTENANCES NECESSARY TO VERIFY COMPLETENESS OF SHUTOFFS.
5. THE CONTRACTOR SHALL HAVE ALL FITTINGS, MATERIALS AND EQUIPMENT ON SITE PRIOR TO VALVE SHUTOFF. ALL EXCAVATION SHALL BE COMPLETE EXCEPT AS NECESSARY TO MAINTAIN SAFE SYSTEM OPERATION WHILE UNDER PRESSURE.
6. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
7. EXISTING WATER VALVE AND WATER LINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, MAP GRID F-17.
8. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT WATER SYSTEMS DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

WATER LINE CONSTRUCTION NOTES:

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-905 OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
4. WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
6. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
7. VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
8. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATER LINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
9. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
10. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
13. WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
14. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY WATER SYSTEM DIVISION PERSONNEL.

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING
C1	112.00'	12.15'	6°12'49"	S11°36'50"E
C2	112.00'	85.38'	43°40'49"	N07°07'10"E
C3	200.00'	72.79'	20°51'11"	N68°07'06"W
C4	744.50'	55.01'	4°14'01"	S10°51'40"W
C5	765.51'	203.33'	15°13'06"	S20°35'01"W

LINE TABLE		
LINE	BEARING	LENGTH
L1	N77°01'36"W	20.97'

△ CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE 12/24/2003
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NOTE:
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Jma
2002.078.45
JEFF MORTENSEN & ASSOCIATES, INC.
4600-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (CEN) 345-4250
FAX 505 345-4254 Email: jma@jma-inc.com

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PUBLIC FIRE HYDRANT INSTALLATION FIRST FEDERAL BANK @ 25 SITE PLAN; WATER VALVE SHUT-OFF PLAN	
Design Review Committee	City Engineer Approval
OCT 24 2003	NOV 19 2003
City Project No. 712381	Zone Map No. F-17
Sheet 4	Of 7

AS BUILT INFORMATION		BENCH MARKS		PROJECT BENCHMARK		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	JMA	CONTRACTOR	JMA	THE BASIS OF ELEVATIONS FOR THIS PLAN IS AS BENCHMARK 1-25-17.	DATE 12/03	NO.	N/A	ENGINEER'S SEAL	05-26-2003
INSPECTOR	JMA	INSPECTOR	JMA	THE PUBLISHED ELEVATION OF WHICH IS 5171.1, SAID BENCHMARK IS LOCATED	DATE 12/03	DATE	07/02	ENGINEER'S SEAL	05-26-2003
FIELD ENGINEER	JMA	FIELD ENGINEER	JMA	7' EAST OF THE WEST RIGHT-OF-WAY LINE OF THE WEST FRONTAGE ROAD,	DATE 12/03	BY	SURVEYS SOUTHWEST	ENGINEER'S SEAL	05-26-2003
VERIFICATION BY	JMA	VERIFICATION BY	JMA	0.75 MILES SOUTH OF OSUNA RD. (DESCRIPTION AND ELEVATION REFERENCED	DATE 12/03	NO.		ENGINEER'S SEAL	05-26-2003
CORRECTED BY	JMA	CORRECTED BY	JMA	BASED UPON SURVEY BY SURVEYS SOUTHWEST, JULY, 2002)	DATE 12/03	DATE	05-2003	ENGINEER'S SEAL	05-26-2003
RECORDED BY	JMA	RECORDED BY	JMA	T.B.M. CENTERLINE MONUMENT LOCATED AT THE INTERSECTION OF THE	DATE 12/03	DATE	05-2003	ENGINEER'S SEAL	05-26-2003
NO.		NO.		25 WAY (ENTRANCE ROAD) AND THE 25 WAY (NORTH-SOUTH).	DATE 12/03	DATE	05-2003	ENGINEER'S SEAL	05-26-2003
ELEV.	5749.13 FEET	ELEV.	5749.13 FEET		DATE 12/03	DATE	05-2003	ENGINEER'S SEAL	05-26-2003

