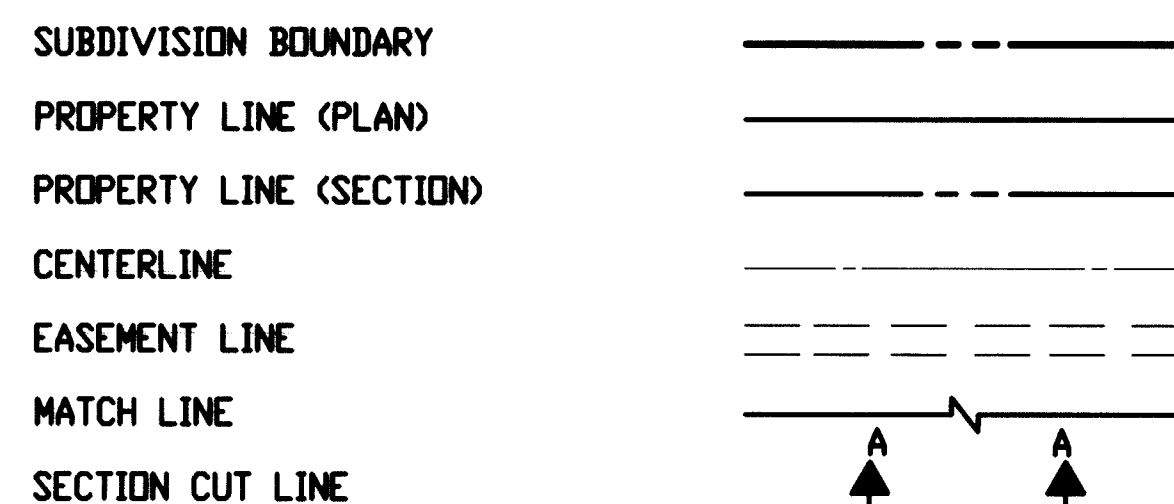


• L E G E N D •

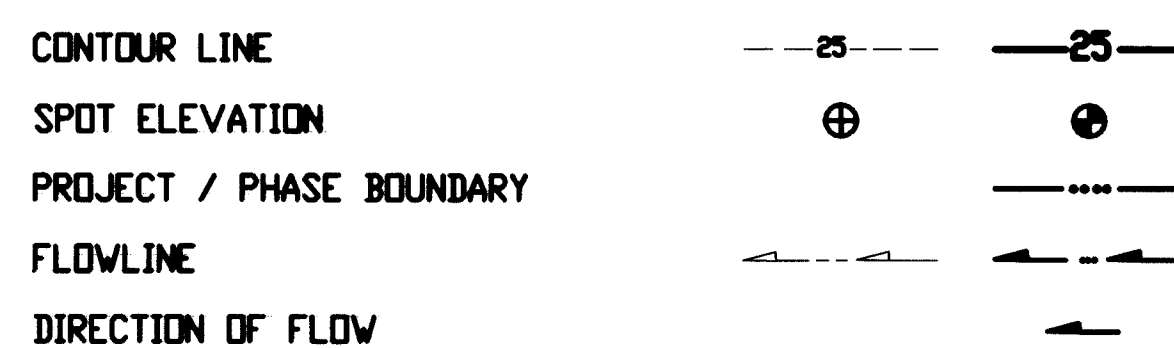
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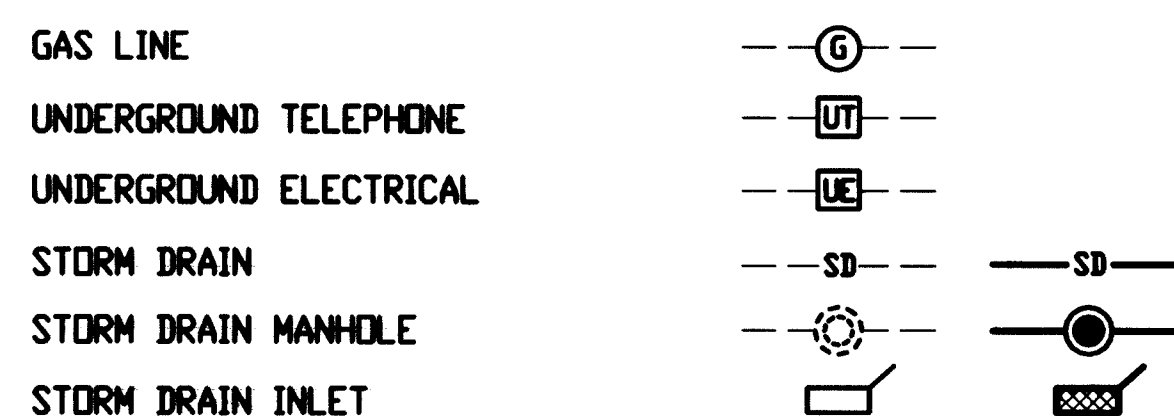
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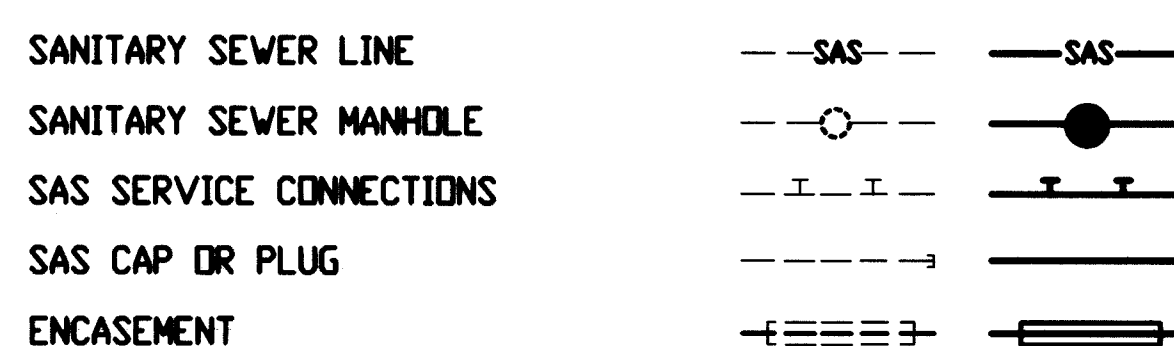
EARTHWORK



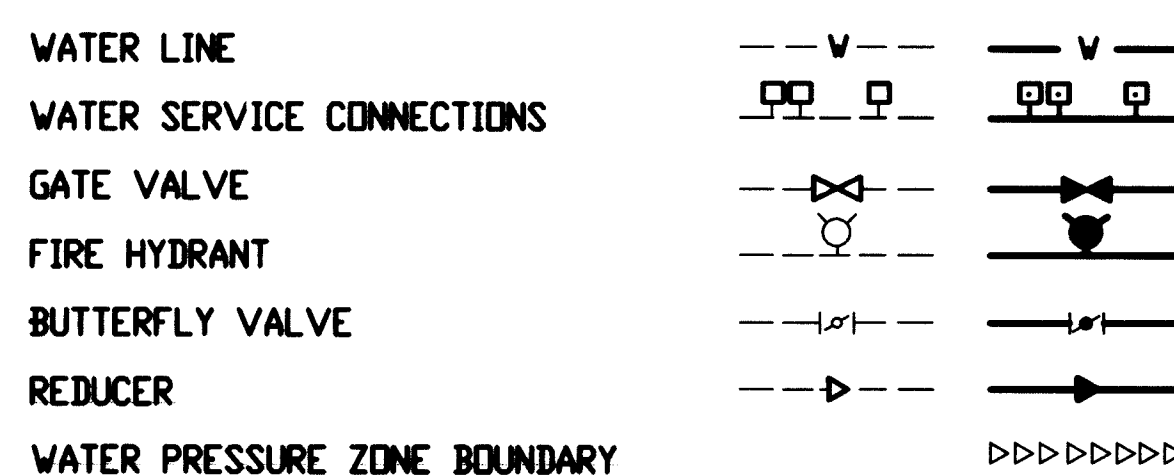
MISCELLANEOUS UTILITIES



SANITARY SEWER



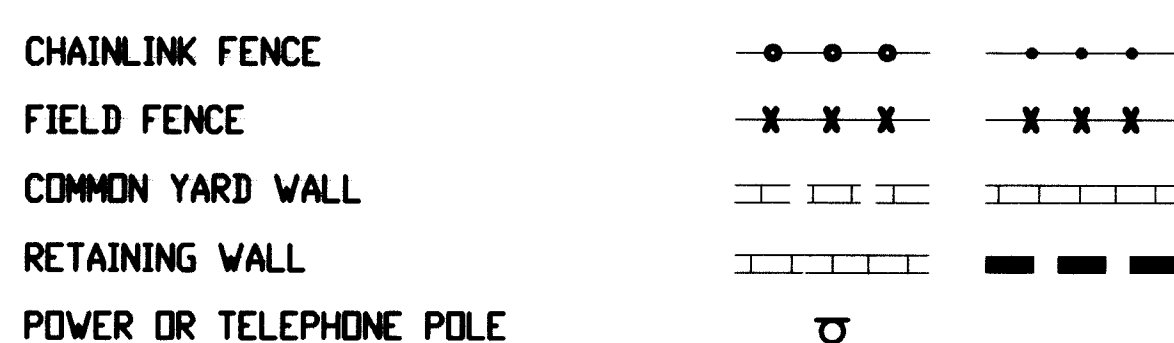
WATER



WATER FITTINGS

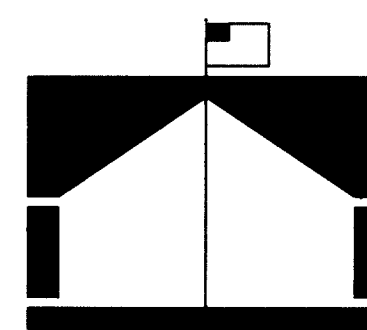


MISCELLANEOUS



CONSTRUCTION PLANS
for

ZIA ELEMENTARY SCHOOL
PUBLIC WATERLINE
and
STORM DRAIN IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO
FEBRUARY, 1995

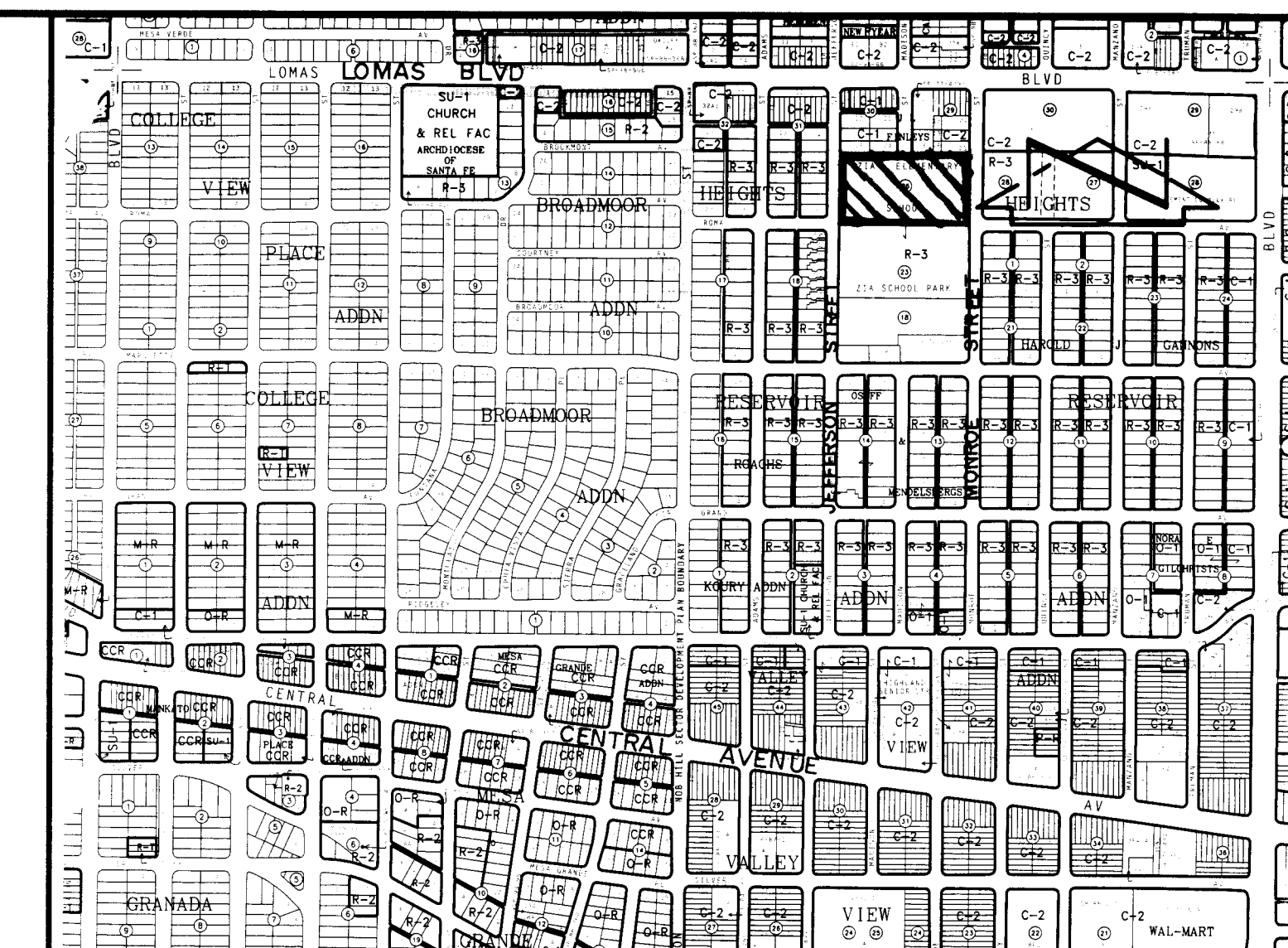
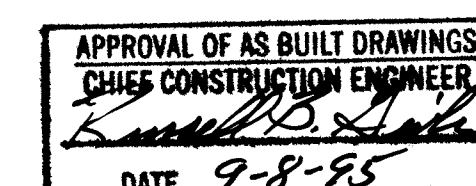
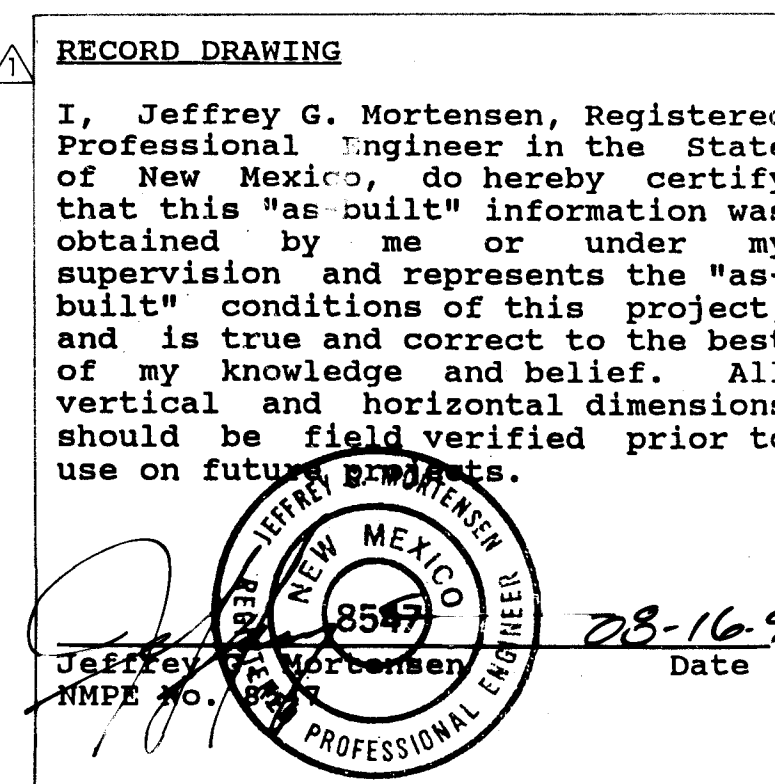


INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	EASEMENT SURVEY
3	GRADING AND DRAINAGE PLAN
4	PUBLIC WATERLINE AND STORM DRAIN IMPROVEMENTS
5	WATER VALVE SHUTOFF PLAN, SECTIONS AND DETAILS

RECORD DRAWING

BID LOT 7



VICINITY MAP

SCALE: 1" = 750'

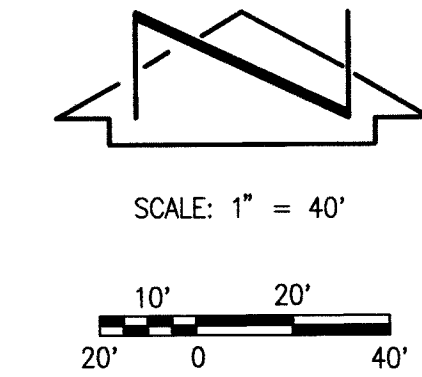
K-17

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986. (UPDATE NO.5)
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, 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 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.
- 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 DEEPRESSED 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 THREE (3) 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 SPECIFICATION.
- 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 THE PAVEMENT 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.
- THREE (3) 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 BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) 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 IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING 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.

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1	THRU 5								
APPROVAL OF REVISIONS									

		APPROVED FOR CONSTRUCTION
PROJECT NO. 5152.90		SHEET 1 OF 5



LINE	DIRECTION	DISTANCE
L1	N 00°14'32" W	38.00'
L2	S 00°14'32" E	10.00'
L3	N 89°48'00" E	10.00'
L4	S 00°14'32" E	13.00'
L5	S 89°48'00" W	30.00'
L6	N 00°14'32" W	23.00'
L7	S 00°14'32" E	38.00'

SCANNED BY
BY LASON

940533

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

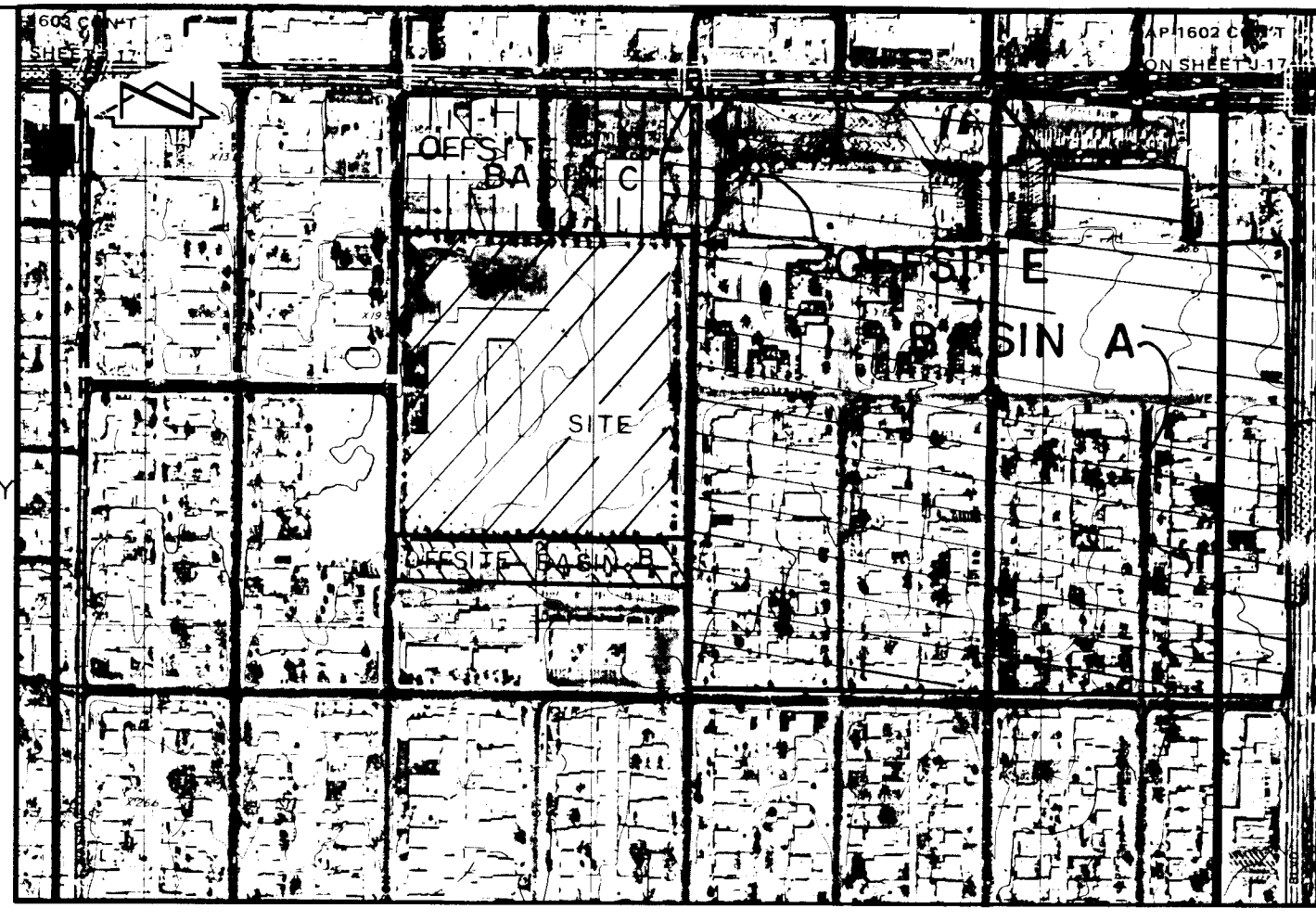
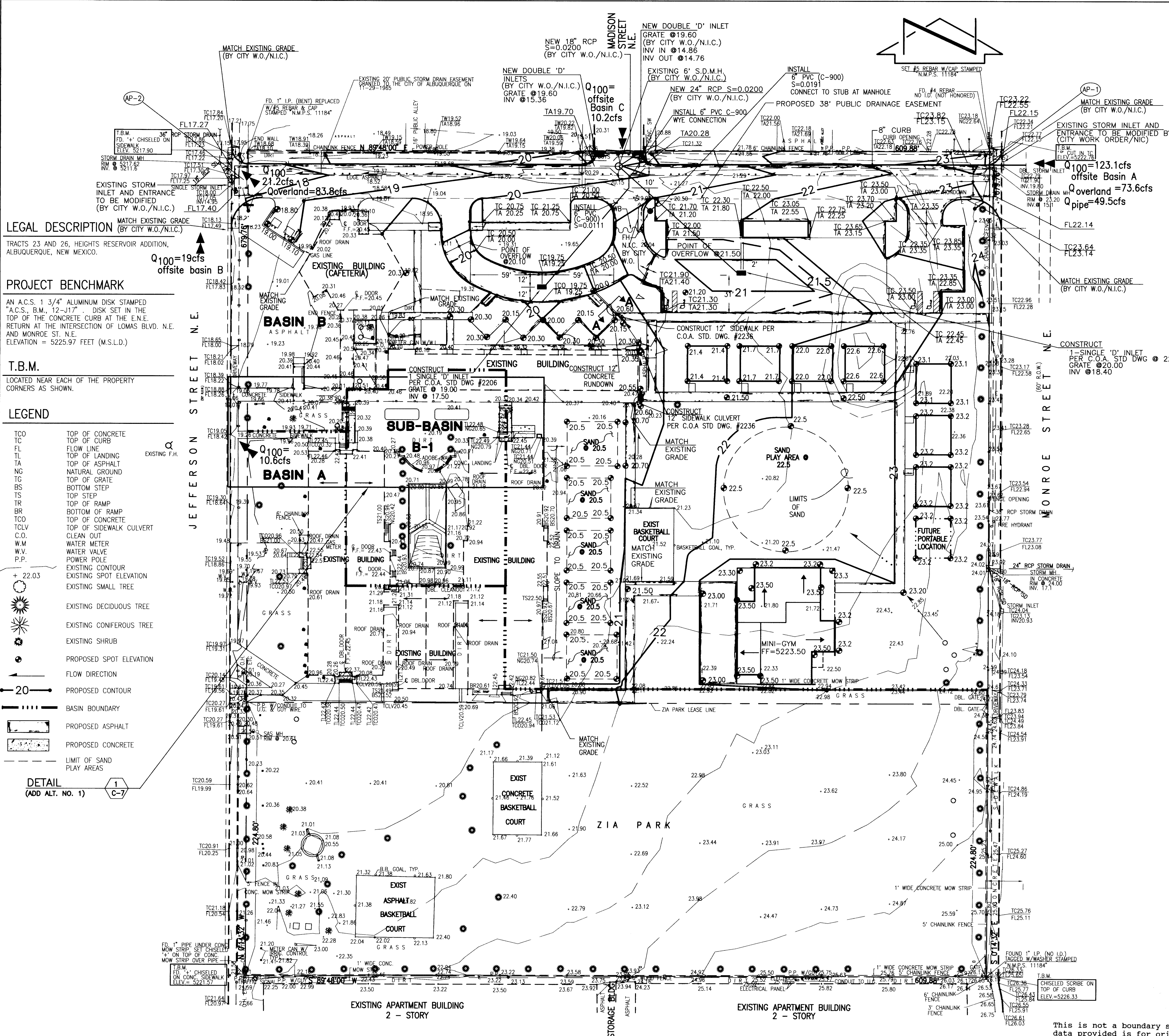
ZIA ELEMENTARY SCHOOL

EASEMENT SURVEY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>3-4-95</i>	<i>3-17-95</i>	WATER	<i>N/A</i>	<i>3-20-95</i>
TRANSPORTATION	<i>N/A</i>	<i>3-20-95</i>	WASTEWATER	<i>N/A</i>	<i>3-20-95</i>
HYDROLOGY	<i>N/A</i>	<i>3-2-95</i>			

PROJECT NO.	5152.90	MAP NO.	K-17	SHEET	2	OF	5
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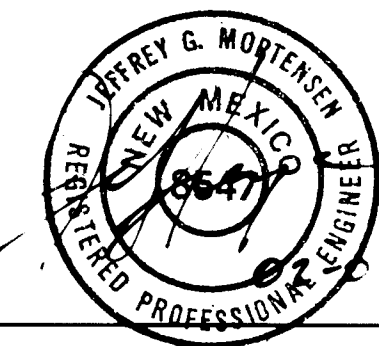
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
RECORD DRAWING		FIELD NOTES		AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "A.C.S. B.M. 12-J17"		CONTRACTOR NEW CONCEPTS	
NO.	DATE	BY	DATE	SET IN THE TOP OF THE CONCRETE CURB AT THE E.N.E. CURB		CONTRACTOR	DATE
		J.M.A.	01-94	RETURN AT THE INTERSECTION OF LOMAS BOULEVARD N. E. AND		INSPECTOR'S	07/95
				MONROE STREET N.E.		ACCEPTANCE BY	07/95
				ELEVATION = 5225.97 FEET (M.S.L.D.)		VERIFICATION BY	07/95
						DRAWINGS	07/95
						CONTRACT BY	
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO.	



OFFSITE BASIN MAP A.M.D.S.
SCALE: 1" = 400'

- Construction Notes:
- Two (2) working days prior to any excavation, contractor must contact New Mexico One Call System 260-1990, 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.
 - 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.
 - The contractor shall secure "Topsoil Disturbance Permit" prior to beginning construction.

This is not a boundary survey. The boundary data provided is for orientation only. Boundary and topographic information has been taken from a survey prepared by JMA.



2007-95

FOR INFORMATION ONLY



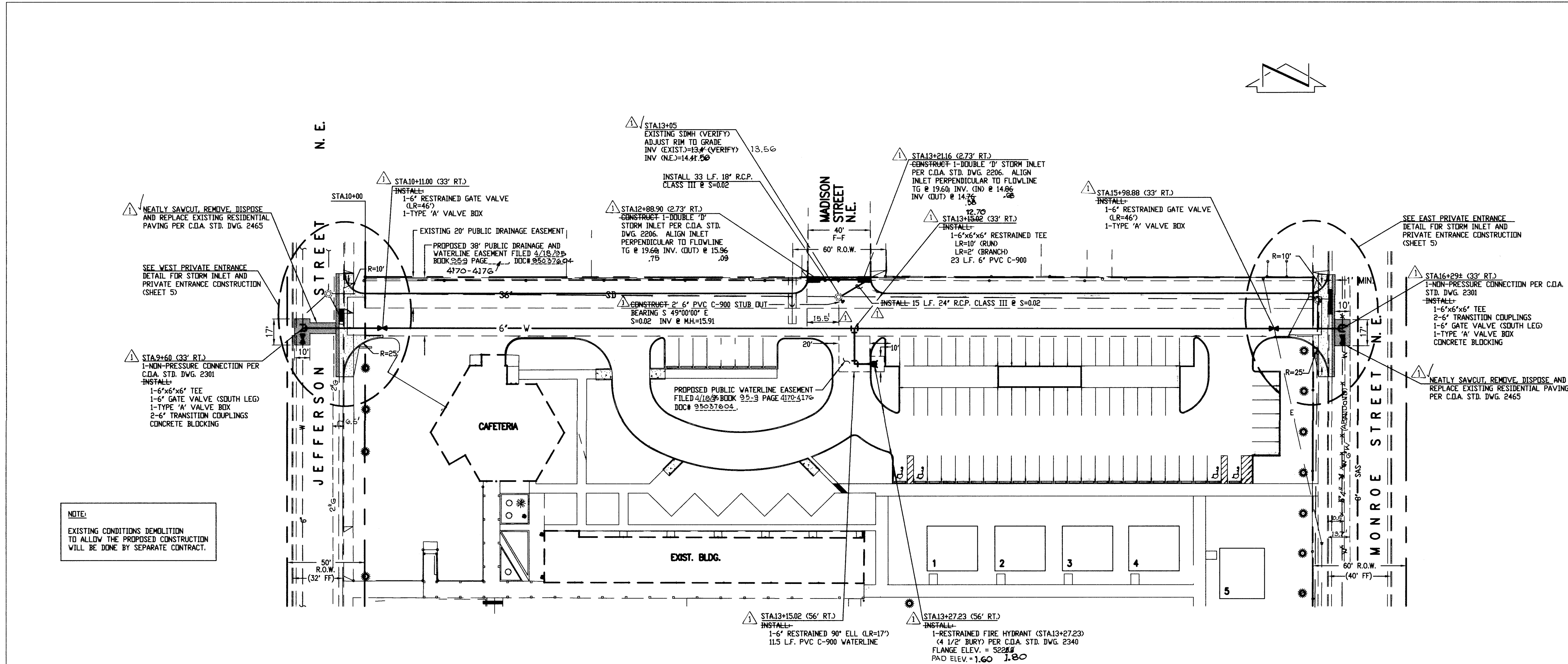
JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (GSO) 345-4250

GRADING AND DRAINAGE PLAN

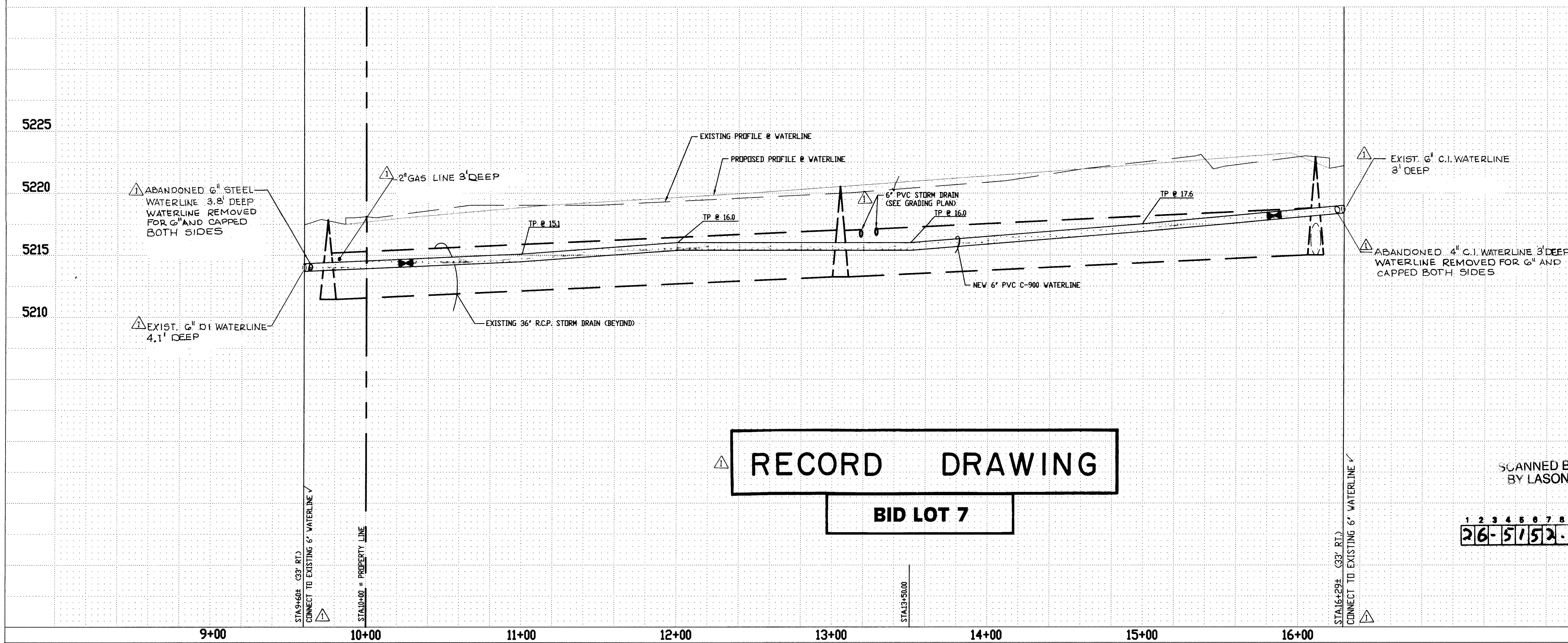
ZIA ELEMENTARY SCHOOL

MAHLMAN & MILES ARCHITECTS
414-1/2 CENTRAL SE-1/4
ALBUQUERQUE, NEW MEXICO 87102/505-243-0101

C-4



SCALE:
1" = 5' VERTICAL
1" = 40' HORIZONTAL



RECORD DRAWING
BID LOT 7

SCANNED BY
BY LASON

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5152-90 0495

- STORM DRAIN NOTES:**
1. ALL STORM DRAIN TO BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED.
 2. ALL MANHOLES SHALL BE 6' DIAMETER TYPE 'C' PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.
 3. ALL STATIONING IS BASED ON THE NORTH PROPERTY LINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.

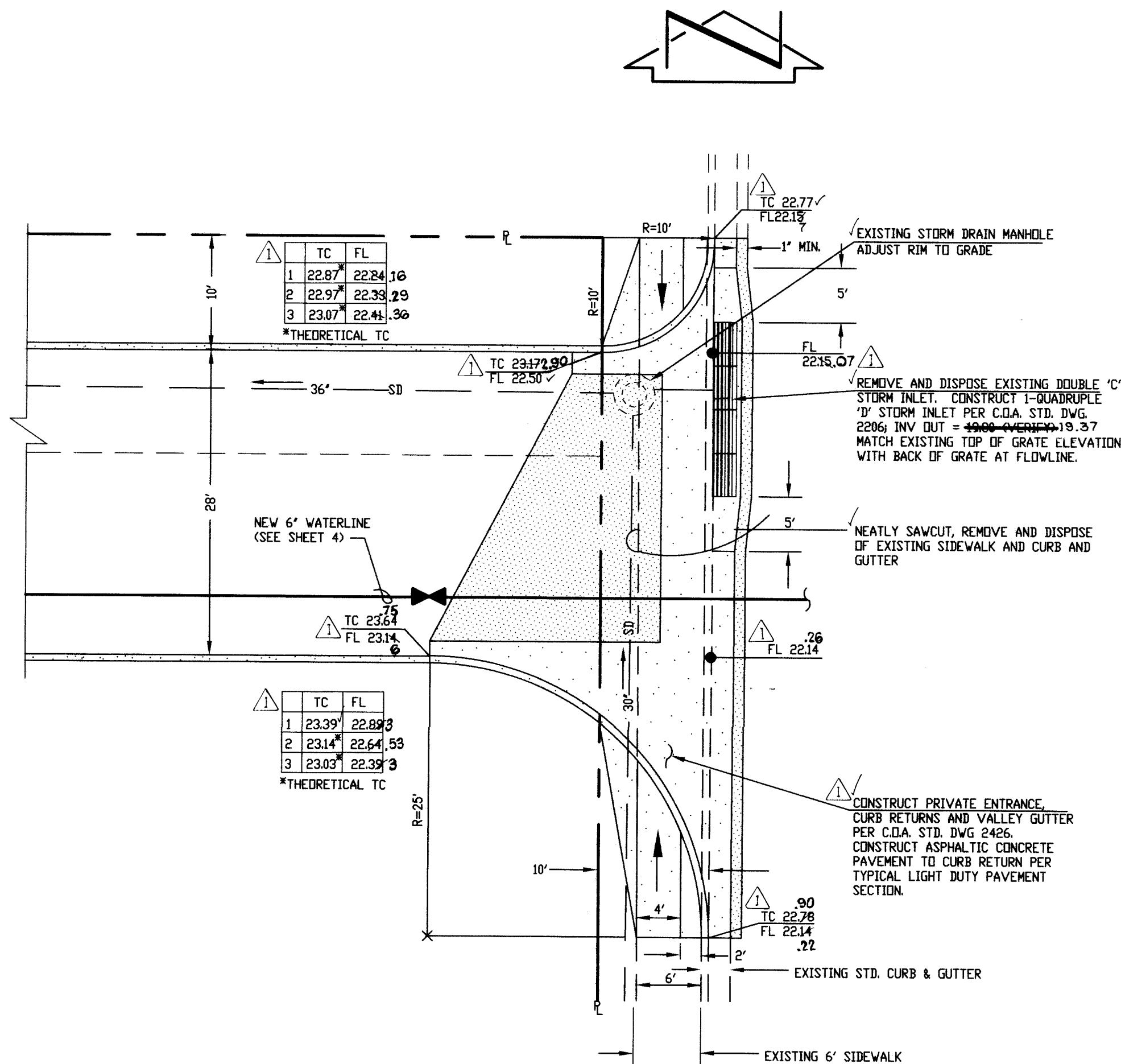
- WATERLINE CONSTRUCTION NOTES:**
1. ALL STATIONING IS BASED ON THE NORTH PROPERTY LINE UNLESS NOTED OTHERWISE.
 2. WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
 3. WATERLINE SHALL HAVE A MINIMUM COVER OF 40" (FINISH GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
 4. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
 5. 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.
 6. 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.
 7. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
 8. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS INCLUDING THE TEE AND FIRE HYDRANT.

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
New Mexico
8547
02-16-95

JEFF MORTENSEN & ASSOCIATES, INC. 6002-11 MIDWAY PARK BLVD. NE ALBUQUERQUE, NM 87109 ENGINEERS & SURVEYORS (505) 345-4250		
TITLE: CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
ZIA ELEMENTARY SCHOOL PUBLIC WATERLINE AND STORM DRAIN IMPROVEMENTS		
APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	APPROVED	3-17-95
TRANSPORTATION	WATER	2-22-95
HYDROLOGY	WASTEWATER	3-2-95
DESIGNED BY	C.M.	DATE 01-95
DRAWN BY	S.G.H./E.M.S.	DATE 01-95
CHECKED BY	J.C.M.	DATE 01-95
NO.	DATE	REVISIONS
07/95	AS-BUILT AND CERTIFY	BY
PROJECT NO. 5152.90 MAP NO. K-17 SHEET 4 OF 5		

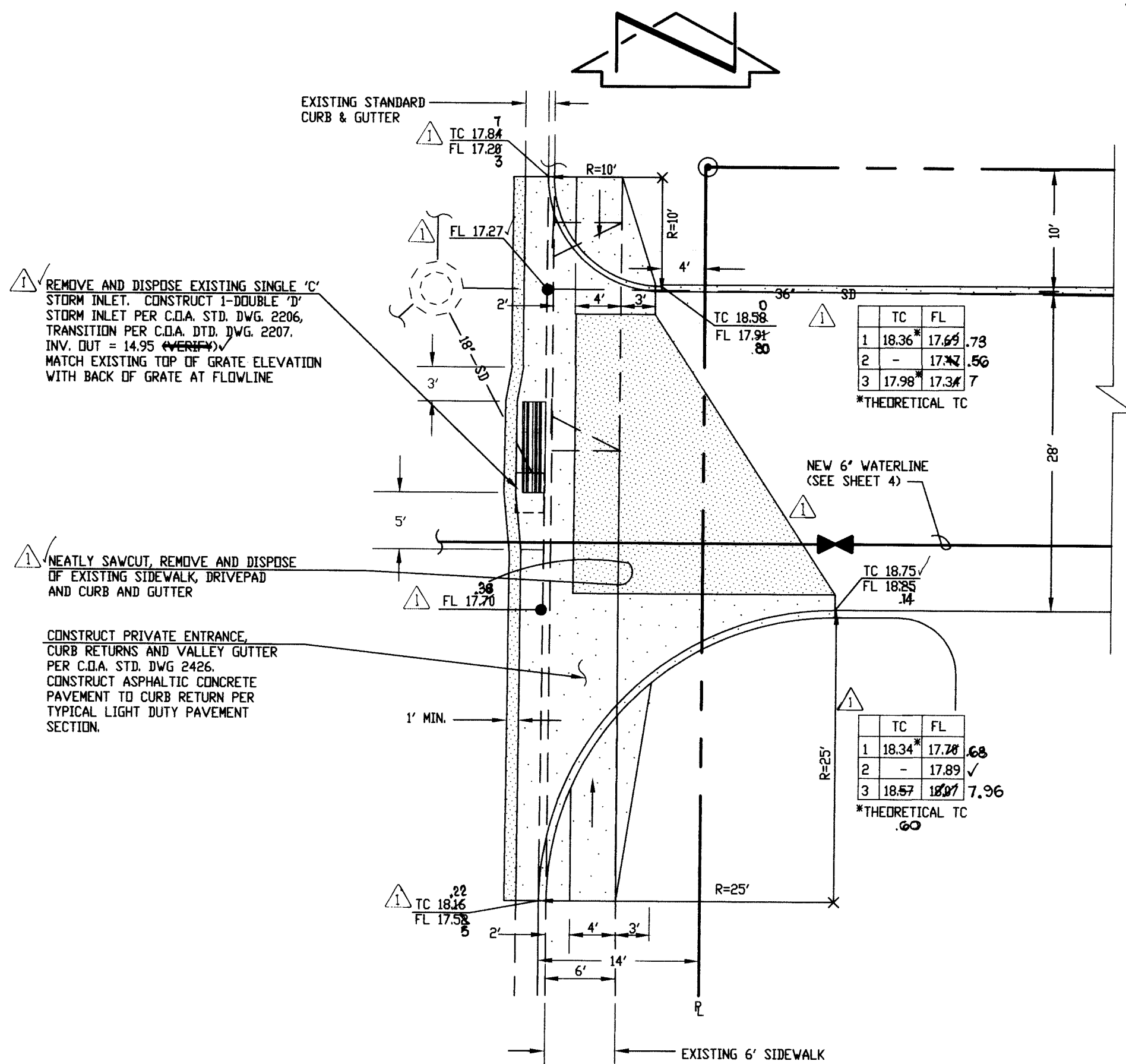


EAST PRIVATE ENTRANCE DETAIL
SCALE: 1" = 10'

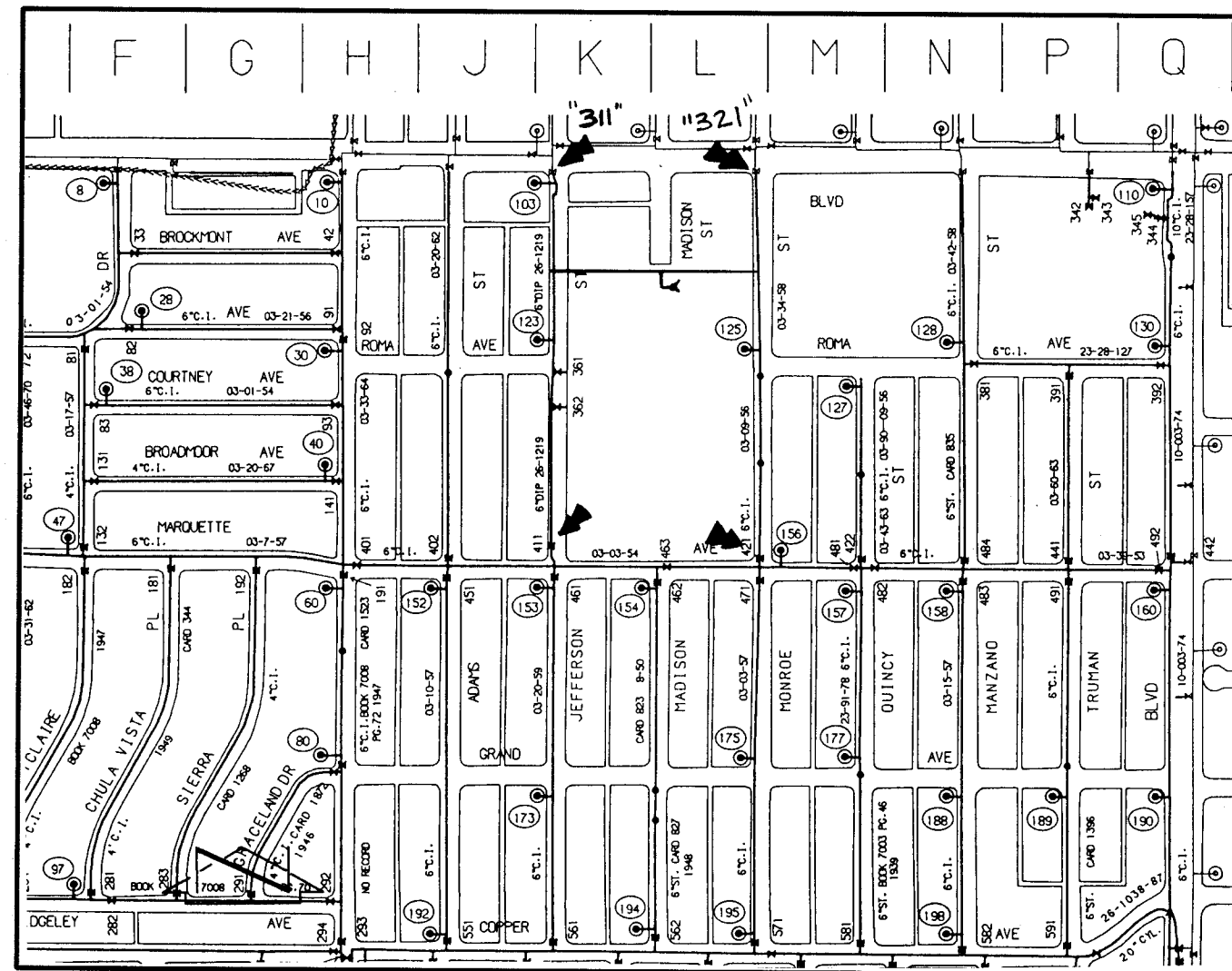
INLET CAPACITY COMPARISON

IN MONROE STREET N.E., ONE DOUBLE 'C' INLET IS TO BE REPLACED WITH TWO DOUBLE 'D' INLETS. ACCORDING TO C.O.A. D.P.M. PLATE 22.3 D-6, DOUBLE 'D' AND DOUBLE 'C' INLETS HAVE THE SAME GRATING CAPACITIES. THE PROPOSED IMPROVEMENTS WILL THEREFORE PROVIDE INCREASED CAPACITY WHEN COMPARED TO THE EXISTING CAPACITY.

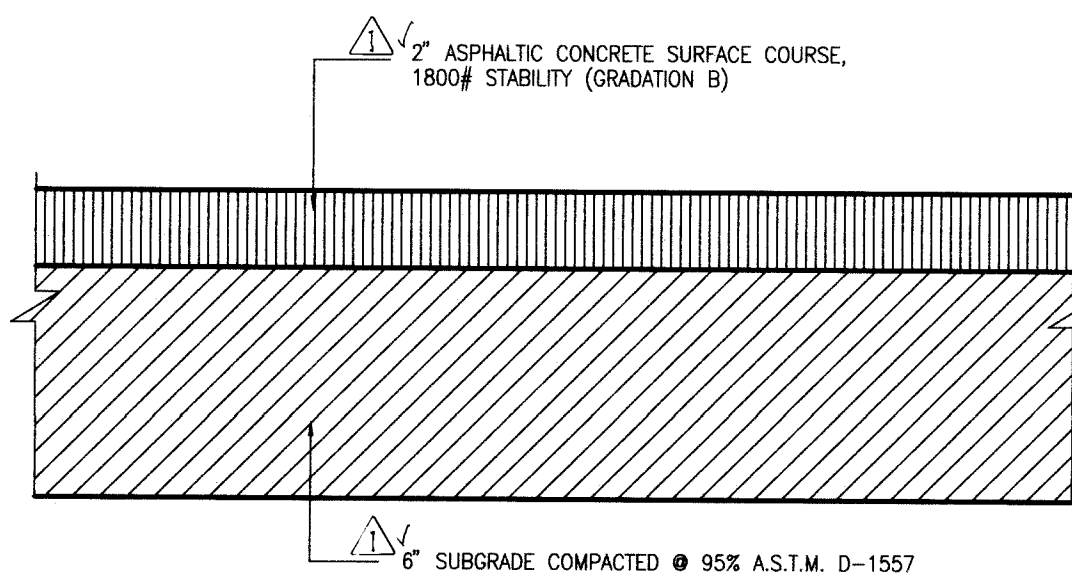
IN JEFFERSON STREET N.E., ONE SINGLE 'C' INLET IS TO BE REPLACED WITH ONE DOUBLE 'D' INLET. JEFFERSON STREET N.E. HAS A SLOPE OF 0.6%. ASSUMING A FLOW DEPTH OF 8", THE DOUBLE 'D' INLET WILL ALLOW APPROXIMATELY 10.2 CFS TO PASS THROUGH THE GRATE (C.O.A. D.P.M. PLATE 22.3 D-6). UNDER THE SAME CONDITIONS, THE EXISTING SINGLE GRATE WILL ALLOW APPROXIMATELY 8.2 CFS TO PASS (PLATE 22.3 D-5). THE PROPOSED IMPROVEMENTS WILL THEREFORE PROVIDE INCREASED CAPACITY WHEN COMPARED TO THE EXISTING CAPACITY.



WEST PRIVATE ENTRANCE DETAIL
SCALE: 1" = 10'



K-17



TYPICAL LIGHT DUTY PAVEMENT SECTION A
SCALE: 1" = 5'

SCANNED BY
R. LASON

26-5152-1910 0595

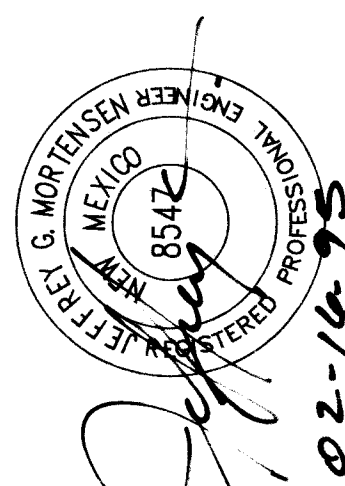
WATER VALVE SHUTOFF REQUIREMENTS:

- AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED CONNECTIONS:
 - JEFFERSON STREET N.E. 311 411
 - MONROE STREET N.E. 321 421
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE. ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
- EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE PUBLIC WORKS DEPT. AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS J-17, K-17.
- AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
NO.	DATE	BY	DATE	REMARKS	REVISIONS
N/A	01/95	JMA	01/95		

AS BUILT INFORMATION		NEW CONCEPTS	
CONTRACTOR	DATE	J.M.A.	DATE
AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "A.C.S. BM. 12-J17"	07/95		07/95
SET IN THE TOP OF THE CONCRETE CURB AT THE E.N.E. CURB	07/95		07/95
RETURN AT THE INTERSECTION OF LOMAS BOULEVARD N.E. AND	07/95		07/95
MONROE STREET N.E.	07/95		07/95
ELEVATION = 8265.97 FEET (M.S.L.D.)	07/95		07/95

MICRO-FILM INFORMATION	
RECORDED BY	DATE



RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
New Mexico
License No. 8547
Date 02-16-95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

**TITLE: ZIA ELEMENTARY SCHOOL
WATER VALVE SHUTOFF PLAN
SECTIONS AND DETAILS**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	3-17-95		WATER		
TRANSPORTATION	3-22-95		WASTE WATER		
HYDROLOGY	3-2-95				

PROJECT NO. 5152.90 MAP NO. K-17 SHEET 5 OF 5

BID LOT 7

RECORD DRAWING

940533