

PLANS FOR CONSTRUCTION OF

PUBLIC INFRASTRUCTURE IMPROVEMENTS

CARLISLE WALMART

BLOCK F-1, AMERICAN SQUARE

MAY 1993

BEI PROJECT NO.: 90123

INDEX TO DRAWINGS

SHEET	TITLE
1	TITLE SHEET & VICINITY MAP
2	SUBDIVISION PLAT (SHEETS 1 & 2)
3	SUBDIVISION PLAT (SHEETS 3 & 4)
4	GRADING AND DRAINAGE PLAN
5	CARLISLE PAVING IMPROVEMENTS
6	TRAFFIC CONTROL PLAN
7	WATERLINE IMPROVEMENTS
8	DRAINAGE DETAILS

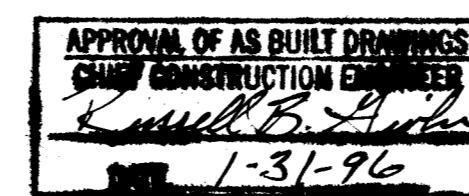
THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS INSTRUMENT ARE OWNED BY AND THE PROPERTY OF BRASHER ENGINEERING, INC. AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF BRASHER ENGINEERING, INC.

CERTIFICATION:

I, JACKIE S. MCDOWELL, REGISTERED PROFESSIONAL ENGINEER, NO 10903 HEREBY CERTIFY THAT THE FOLLOWING PLANS AND DESIGNS WERE MADE UNDER MY SUPERVISION AND DIRECTION AND THAT SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

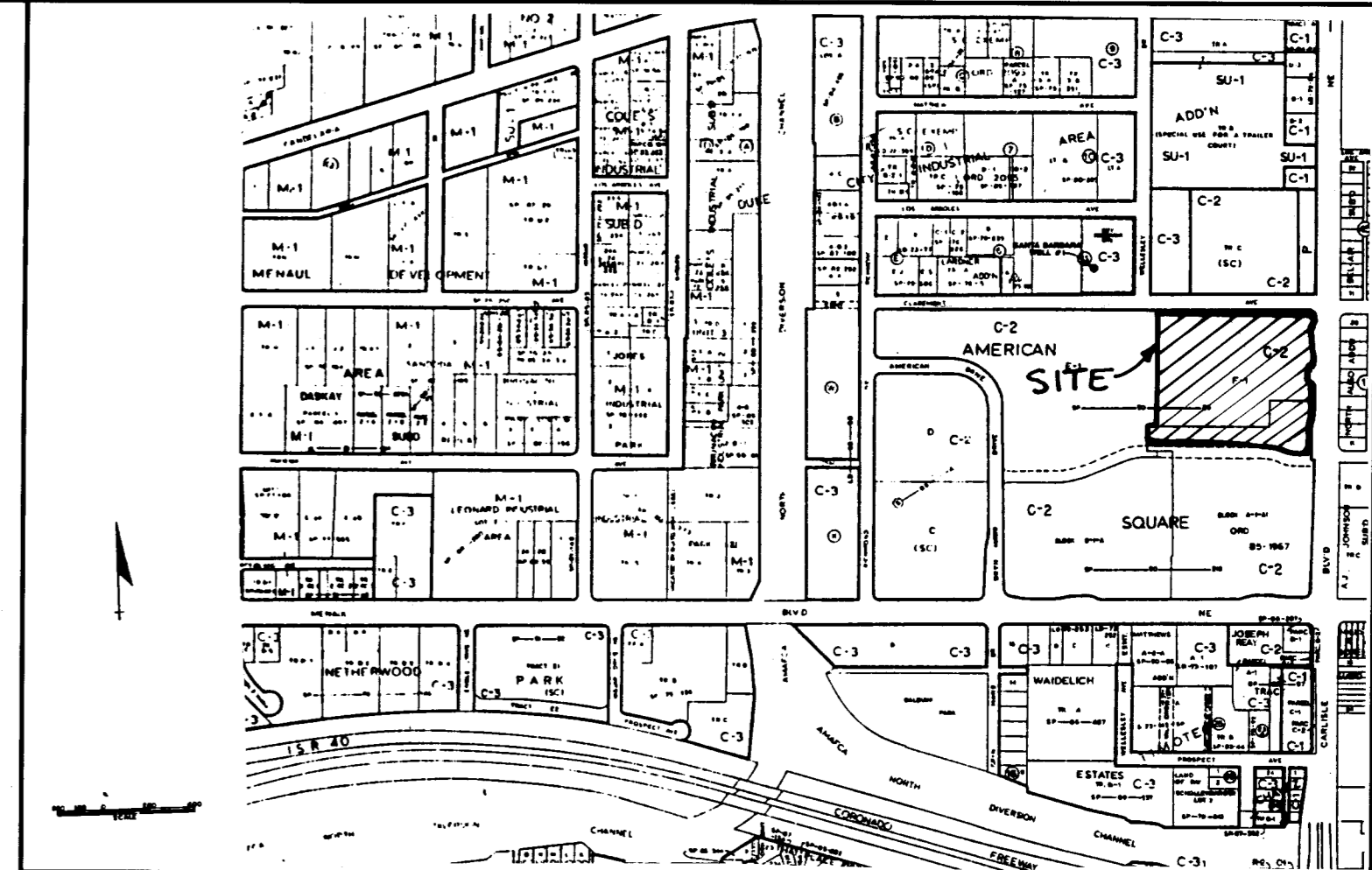
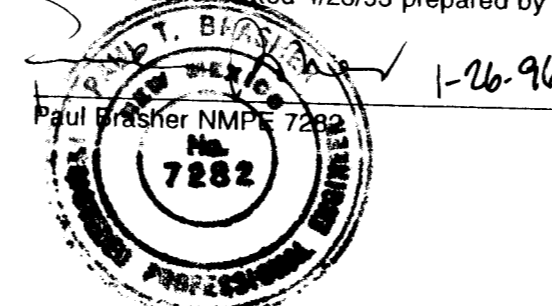
Jackie S. McDowell
N.M.P.E. NO. 10903



26-3087.91 10/19/96

ENGINEER'S CERTIFICATION

I, the undersigned, being a Professional Engineer registered in the State of New Mexico, do certify that this drawing was prepared by me or under my supervision, and that the as-built information shown hereon is based on actual field measurements and inspections performed by Brasher & Lorenz, Inc. I further certify that the as-built condition of the site is in substantial compliance with the approved plans for construction dated 4/28/93 prepared by Brasher Engineering, Inc.



VICINITY MAP: H-16

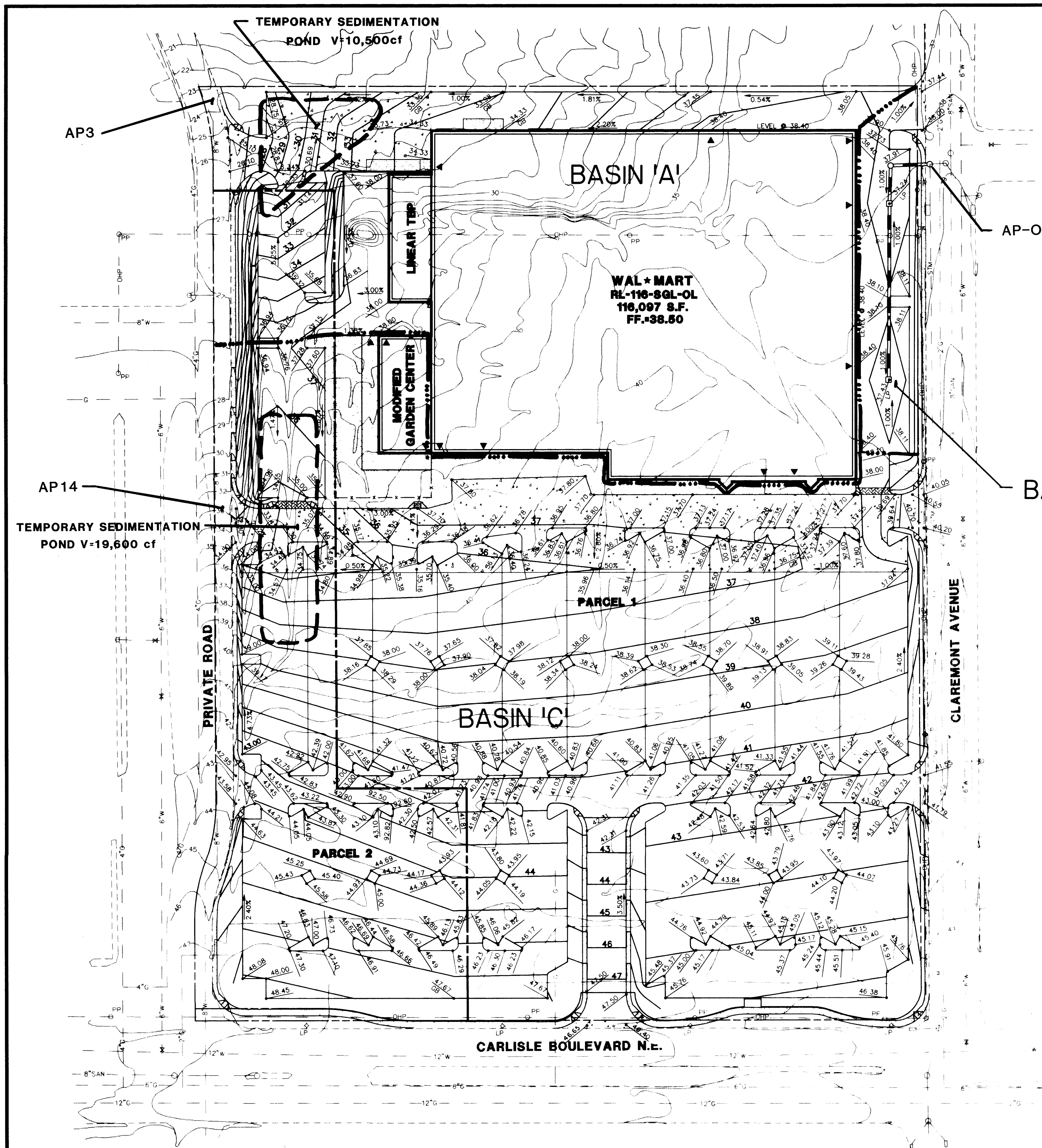
GENERAL NOTES:

- 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 FOR PUBLIC WORKS CONSTRUCTION, 1989 (COA STD) AS AMENDED THROUGH UPDATE #4.
- 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 LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- 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 UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL INFORM HIMSELF 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 HIS 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 CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE OWNERS FOR THE PREPARATION OF "RECORD DRAWINGS". THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- REFERENCE MADE TO STANDARD DRAWINGS REFER TO ALBUQUERQUE STANDARD DRAWINGS OR BERNALILLO COUNTY STANDARD DRAWINGS.
- ELECTRONIC MARKER DISCS SHALL BE PLACED IN ACCORDANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION.
- WATERLINE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STD. DWG. 2301.
- WATER METERS ARE TO BE INSTALLED AT ALL SERVICES IN ACCORDANCE WITH CITY STD. DWG. 2362 AND 2363.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY OF ALBUQUERQUE AND PREPARED BY BRASHER ENGINEERING, INC.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS CONSTRUCTION, IF OVERHEAD UTILITY LINES SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- 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 BARRICADE PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. 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.

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE

APPROVAL OF REVISIONS

ENGINEER'S SEAL 	APPROVED FOR CONSTRUCTION <i>Paul Brasher</i> 4/14/93 BRASHER ENGINEERING, INC. PROJECT NUMBER 3087.91 SHEET 1 OF 8
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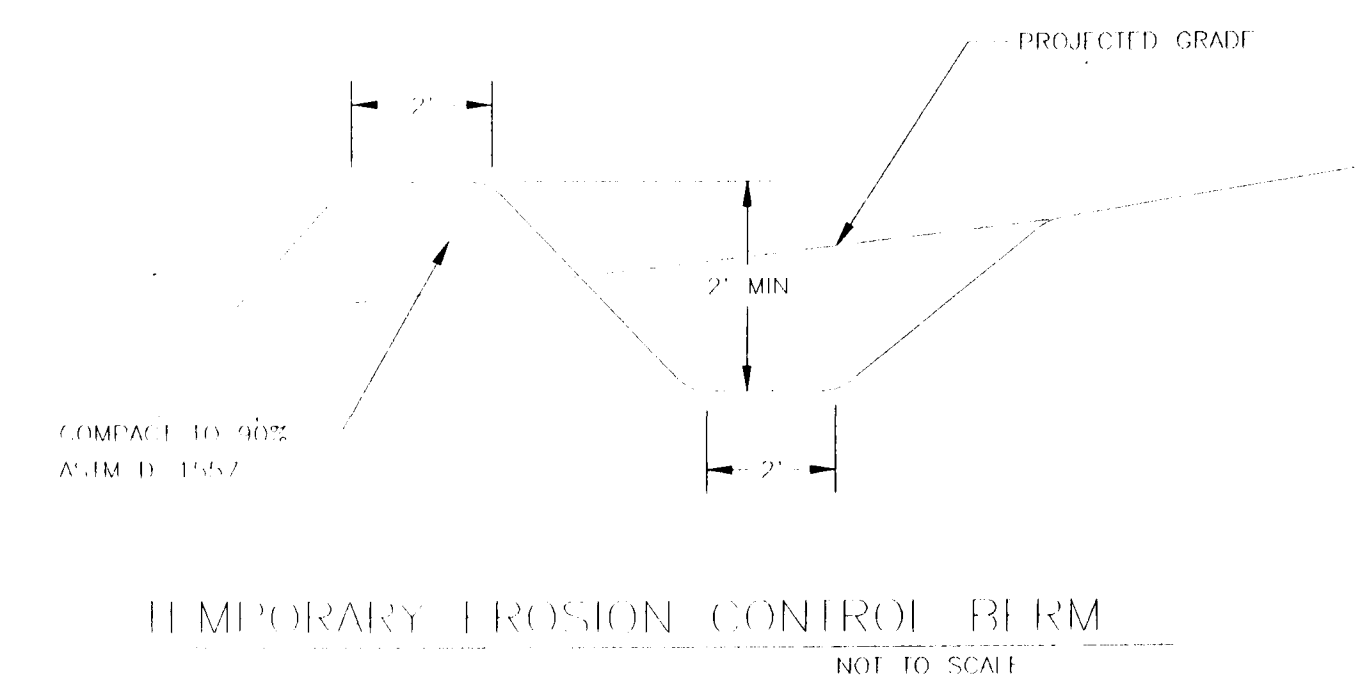
LEGEND

2" G	2" G	EXISTING 2" GAS MAIN
8" W	8" W	EXISTING 8" WATER LINE W/VALVE & FIRE HYDRANT
6" W	6" W	EXISTING STORM SEWER W/MANHOLE & INLET
6" W	6" W	EXISTING SANITARY SEWER W/MANHOLE
6" W	6" W	EXISTING CURB
6" W	6" W	EXISTING OVERHEAD ELECTRIC
6" W	6" W	EXISTING UTILITY POLE
6" W	6" W	EXISTING LIGHT POLE
6" W	6" W	EXISTING CONTOUR
6" W	6" W	EXISTING BUILDING
20	20	PROPOSED CONTOUR
70.56	70.56	PROPOSED ELEVATION
FL	FL	FLOW LINE
14	14	PROPERTY LINE
14	14	CONSTRUCTION NOTE
14	14	PROPOSED STORM SEWER W/MANHOLE
14	14	TYPE A CURB W/CATCH PAN UNLESS OTHERWISE NOTED
14	14	TYPE A CURB W/SPILL PAN UNLESS OTHERWISE NOTED
14	14	CONCRETE PAVING
14	14	CONCRETE SIDEWALK

- GENERAL GRADING NOTES**
- OVERLOT GRADING SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS IDENTIFIED IN THE SOILS REPORT PREPARED FOR THIS SITE.
 - CONTOURS SHOWN ARE FOR FINISHED PAVING, SIDEWALK, SLAB, OR GROUND. ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.
 - ALL DISTURBED AREAS THAT ARE UNSURFACED OR ARE NOT DESIGNATED AS LANDSCAPE AREAS ARE TO BE SEED, ACCORDING TO THE LANDSCAPE PLAN.
 - IF DURING THE OVERLOT GRADING PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE AN UNIDENTIFIED SITUATION IS PRESENT, THE SOILS ENGINEER SHALL BE CONTACTED FOR RECOMMENDATIONS.
 - LOCATIONS OF UNDERGROUND UTILITIES ARE BASED ON THE INFORMATION PROVIDED FROM EXISTING DRAWINGS AND FIELD LOCATIONS. LOCATIONS SHOULD BE VERIFIED IN THE FIELD PRIOR TO ANY CONSTRUCTION.
 - NO PROPOSED SLOPE SHALL EXCEED THREE (3) HORIZONTAL TO ONE (1) VERTICAL. ALL SLOPED AREAS MUST BE PROTECTED FROM EROSION.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULE, SLOPED PAVING, EXIT PORCHES, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
 - SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS WHICH DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS AND SPECIFIC PROFILE DESIGN SHALL BE USED FOR SETTING ELEVATIONS OF CURB AND GUTTER AND UTILITIES.
 - BENCHMARK: "6-H17A". THE STATION IS LOCATED 3.8 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF CARLISLE BOULEVARD AND PHOENIX AVENUE. THE STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "6-H17A" SET IN A CONCRETE POST 0.2 FEET ABOVE GROUND. ELEVATION = 5148.74 AS ESTABLISHED BY THE OFFICE OF THE CITY OF ALBUQUERQUE SURVEYOR (ACS).

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

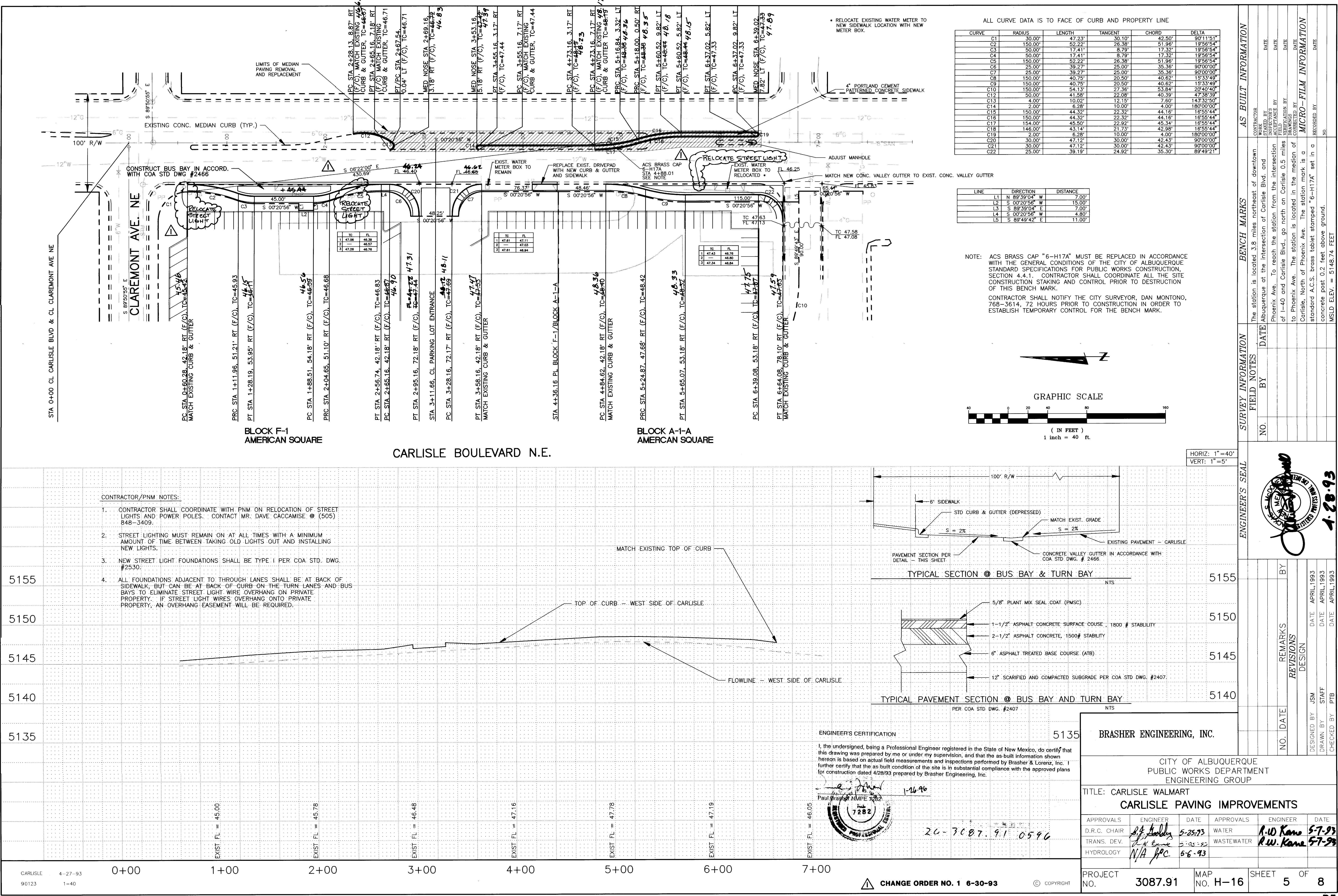


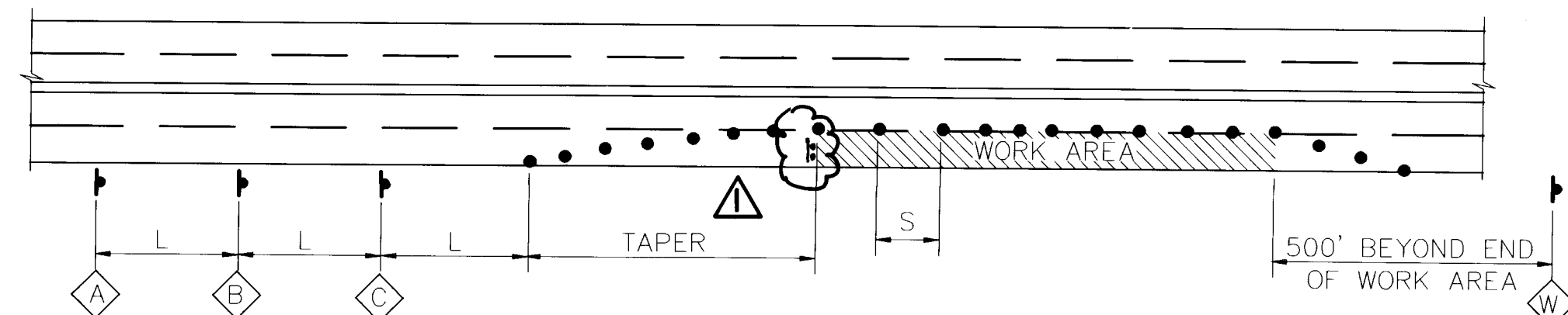
LOCATE BERM ALONG SOUTH AND WEST PROPERTY LINES

26-3087.91 0496

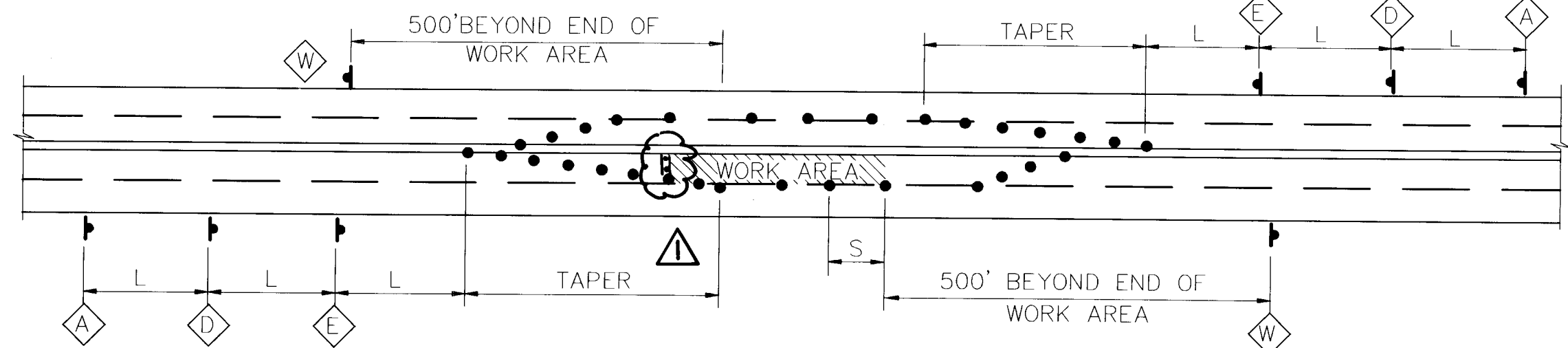
CHANGE ORDER NO. 1 6-30-93

REVISIONS			
ISSUED FOR CONSTRUCTION	DATE:		
ISSUED FOR BID	DATE:		
ALBUQUERQUE, NEW MEXICO WAL*MART			
GRADING AND DRAINAGE PLAN			
Civil Land Consultants, Inc.			
Planning/Engineering/Land Surveying			
8480 E. Orchard Road Suite 2000 Englewood, Colorado 80111 (303) 770-2234 FAX (303) 770-2349			
JOB NO. 408	SHT	OF	
DES. BY: KEH	DWN. BY: KEH		
CHK. BY: KDM	DATE: MARCH 1993		

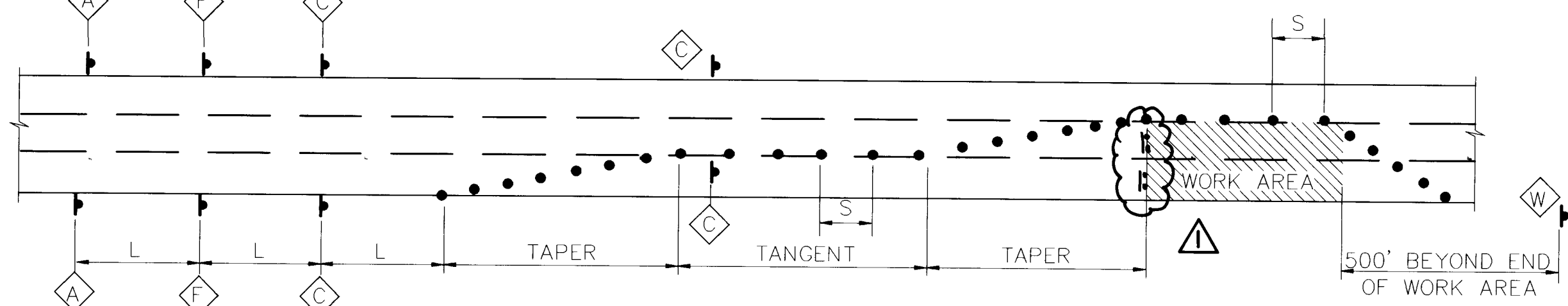




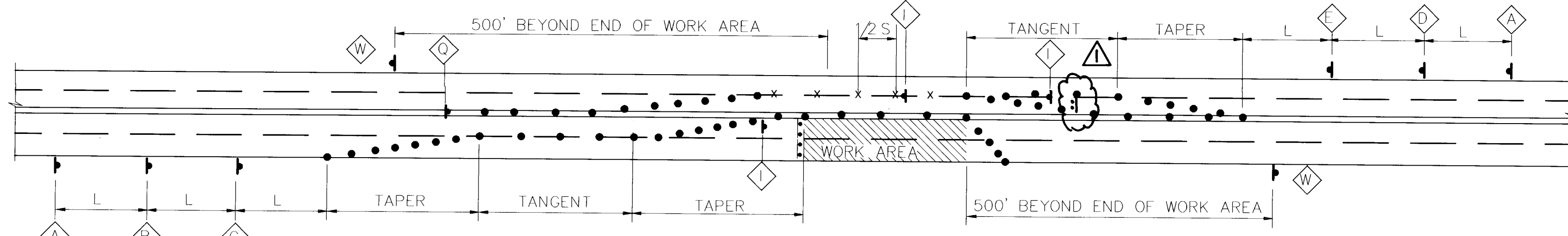
TYPICAL RIGHT LANE CLOSURE



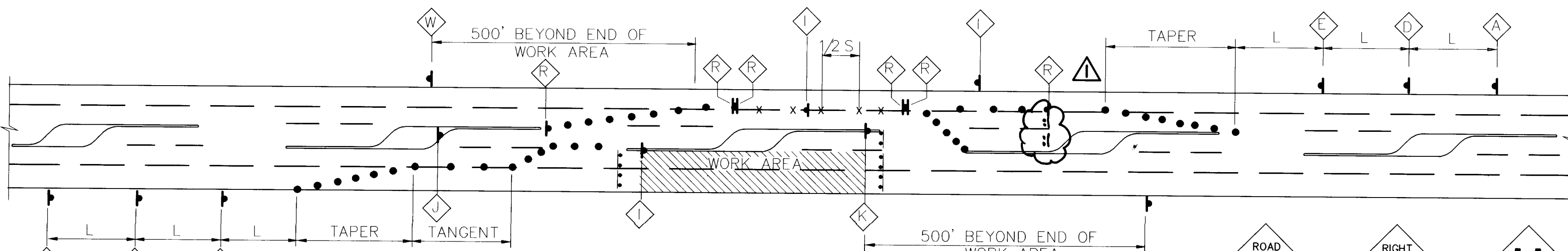
TYPICAL LEFT LANE CLOSURE



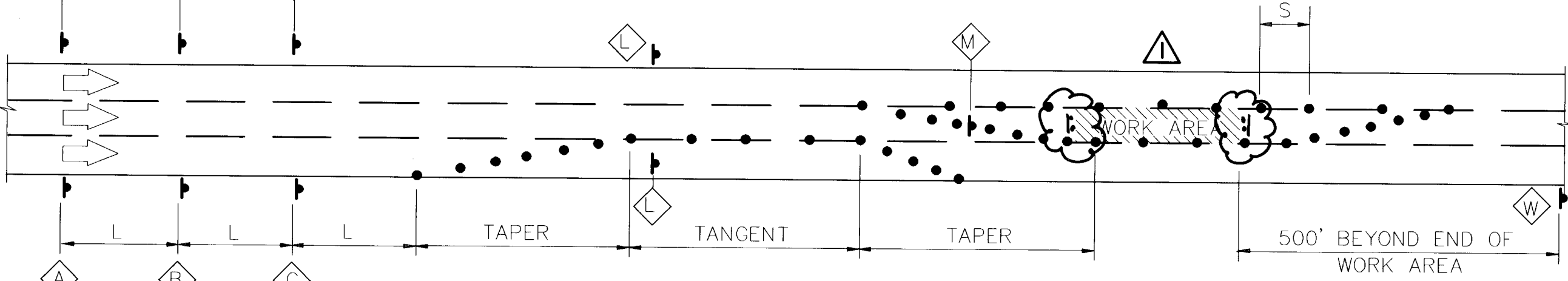
TYPICAL MULTI-LANE CLOSURE



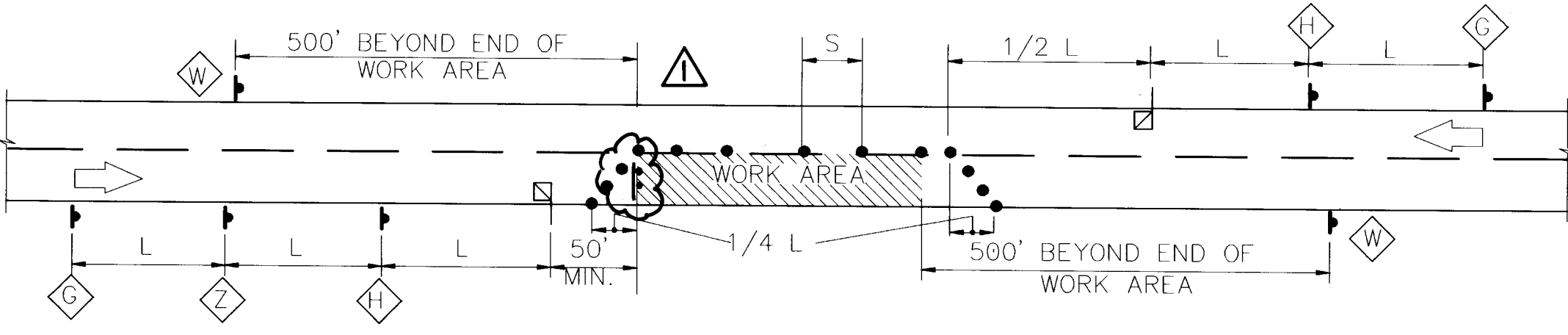
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



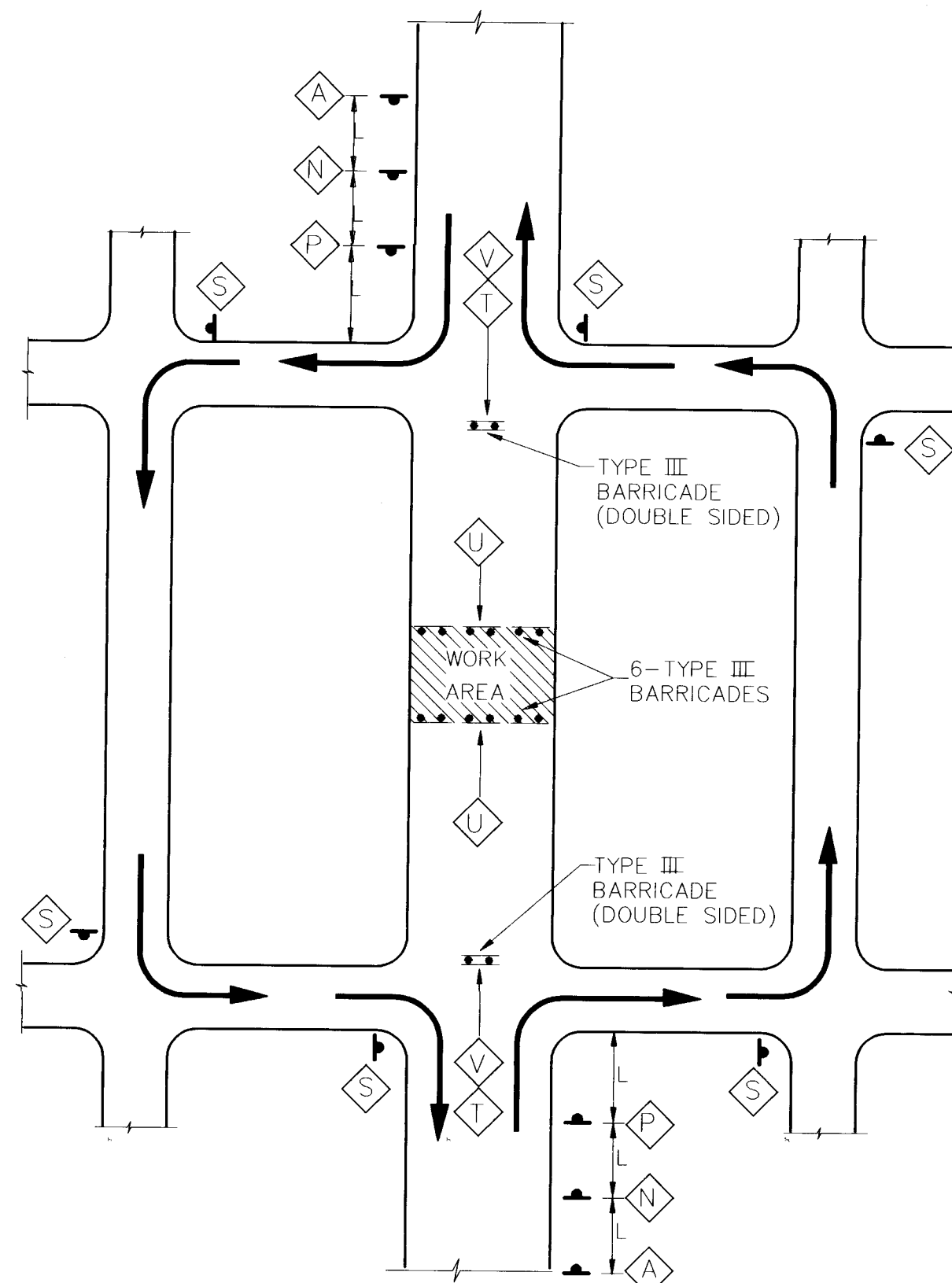
TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)



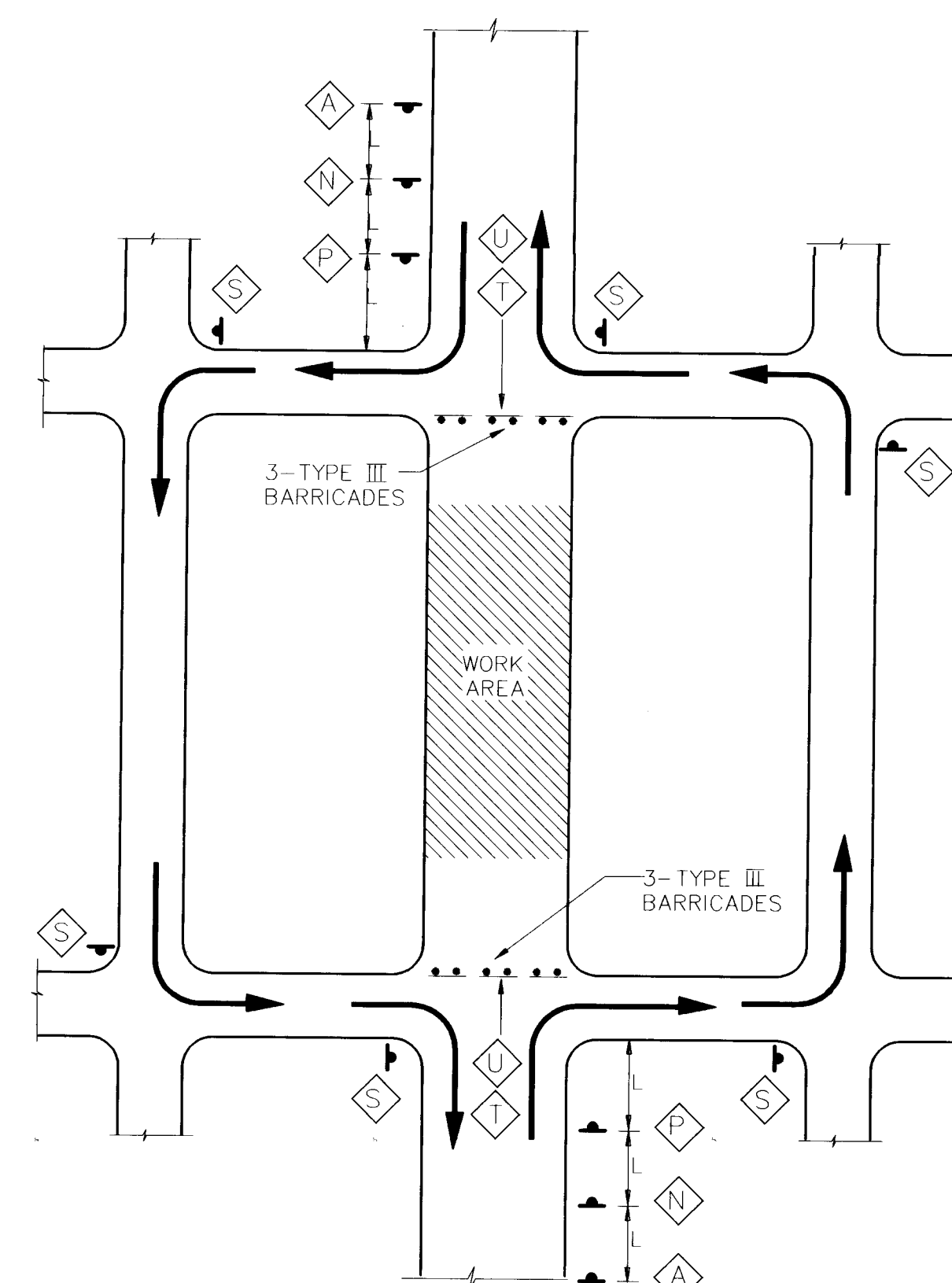
TYPICAL CENTER LANE CLOSURE



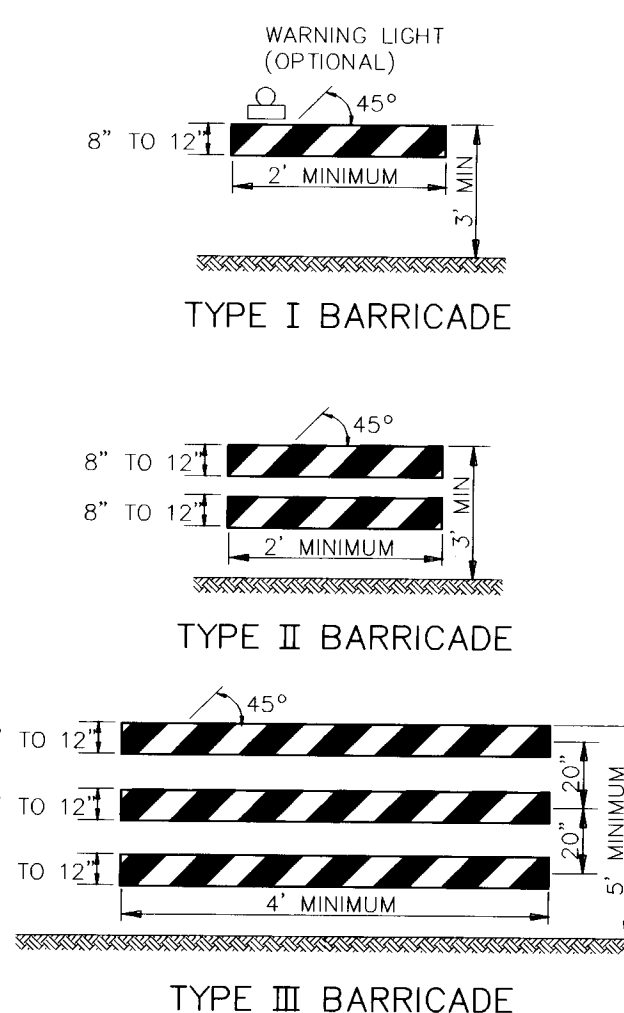
TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE
(MID BLOCK)



TYPICAL STREET CLOSURE



NOTE: FLASHING OR STEADY BURN WARNING LIGHTS SHOULD BE USED ON BARRICADES, PANELS, AND DRUMS AS NEEDED.

LEGEND

- WORK AREA
- TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
- 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
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES-A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

TAPER LENGTH - ON CHART AT LEFT
TANGENT LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10' LANE	11' LANE	12' LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

ROAD CONSTRUCTION AHEAD
W20-1
48"x48"
-A-

RIGHT LANE CLOSED AHEAD
W20-5R
48"x48"
-B-

LEFT LANE CLOSED AHEAD
W20-5L
48"x48"
-D-

RIGHT TWO LANES CLOSED AHEAD
W20-5
48"x48"
-F-

ONE LANE ROAD AHEAD
W20-4
48"x48"
-G-

ACCESS TO ACCESS INFORMATION SIGN
60"x60"

W20-7a
36"x36"
-H-

W6-3
48"x48"
-I-

W1-4L
30"x30"
-J-

W1-4R
30"x30"
-K-

W20-5
48"x48"
-L-

W12-1
24"x24"
-M-

W20-3
48"x48"
-N-

W20-5
48"x48"
-O-

ROAD CLOSED 500'

KEEP RIGHT
R4-7a
24"x30"
-Q-

R3-2L
24"x24"
-R-

M4-9
30"x24"
-S-

M4-10
30"x24"
-T-

R11-2
48"x30"
-U-

R11-4
60"x60"
-V-

G20-2
60"x24"
-W-

LEFT LANE MUST TURN LEFT
R3-7L
30"x30"
-X-

BE PREPARED TO STOP
48"x48"
-Z-

RIGHT LANE MUST TURN RIGHT
R3-7R
60"x30"
-A-A-

NO LEFT TURN
R3-2
24"x30"
-B-B-

ROAD CLOSED

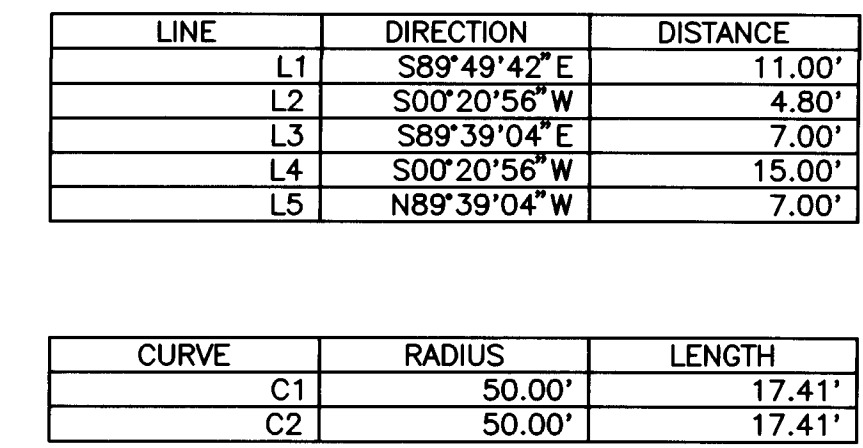
ROAD CLOSED TO THRU TRAFFIC

END CONSTRUCTION

- NOTES
- ALL ADVANCE WARNING SIGNS ARE TO BE DOUBLE INDICATED WHENEVER MEDIANS ARE PRESENT.
 - TRANSFORMATION FROM EXISTING SIGNALS TO SPAN WIRE IS TO OCCUR AT OFF PEAK HOURS.
 - THIS IS A STANDARD TRAFFIC CONTROL PLAN AND SOME TRAFFIC CONTROL SITUATIONS MAY BE SHOWN THAT ARE NOT REQUIRED ON THIS PARTICULAR PROJECT.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORK ORDER NO.	DATE	BY	NO.	DATE	NO.	DATE
INSPECTOR	ACCEPTANCE BY	DATE	BY	NO.	DATE	NO.	DATE
DRAWN BY	VERIFICATION BY	DATE	BY	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION				REVISIONS			
The station is located 3.8 miles northeast of downtown Albuquerque at the intersection of Carlisle Blvd. and Phoenix Ave. To reach the station from the intersection of I-40 and Carlisle Blvd., go north on Carlisle 0.5 miles to Phoenix Ave. The station is located in the median of Carlisle, North of Phoenix Ave. The station mark is a standard A.C.S. brass tablet stamped "6-H7A" set in a concrete post 0.2 feet above ground.				DESIGNED BY JSM			
				DRAWN BY STAFF			
				CHECKED BY PIB			
				DATE APRIL, 1993			
				DATE APRIL, 1993			
				DATE APRIL, 1993			

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CARLISLE WALMART					
TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>B. G. Gaudin</i>	5-25-93	WATER	N/A RWK	5-7-93
TRANS. DEV.	N/A RHP	5-25-93	WASTEWATER	N/A RWK	5-7-93
UTILITY DEV.	N/A JPC	5-25-93			
PROJECT NO. 3087.91		MAP NO. H-16		SHEET 6 OF 8	



PROJECT NO.	3087.91	MAP NO.	H-16	SHEET	7	OF	8
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The station is located in the median of Phoenix Ave. The station mark is a Carlisle, North of Phoenix Ave. The station mark is a standard A.C.S. brass tablet stamped "6-H17A" set in a concrete post 0.2 feet above ground.

MSLD ELEV. = 5148.74 FEET

P7

