

SCALE: 1" = 750 (APPROX.)

CITY OF ALBUQUERQUE BENCHMARK "HEAVEN," A STAMPED

USC AND GS BRASS TABLET STAMPED 'HEAVEN 1969', SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE WAY TO THE "GATE OF HEAVEN' CEMETARY 0.15 MILE WEST OF THE INTERSECTION OF PASED DEL NORTE N.E. AND WYDMING BOULEVARD N.E. ON THE SOUTH SIDE OF PASED DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SANITARY SEWER MANHOLE RIM AT THE INTERSECTION OF WILSHIRE AVE, N.E. AND WYOMING BOULEVARD N.E. AS SHOWN ON THE DRAWING BELOW. ELEVATION = 5390.48 FEET (M.S.L.D.)

Two (2) working days prior to any excavation,

contractor must contact New Mexico One Call Service 266-1990, for location of existing

Prior to construction, the contractor shall excavate and verify the horizontal and vertica 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

All work on this project shall be performed in accordance with applicable federal, state and

All construction within public right-of-way shall be performed in accordance with applicable City of Albuquerque Standards and

. 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. I

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

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.

5. 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

The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from

The contractor shall promptly clean up any

The contractor shall secure 'Topsoil Disturbance Permit' prior to beginning

material excavated within the public right-of-

way so that the excavated material is not susceptible to being washed down the street.

EROSION CONTROL MEASURES

construction

no responsibility or liability

construction safety and health.

local laws, rules and regulations concerning

LEGAL DESCRIPTION

LOT 5A , BLOCK 16, TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES

CONSTRUCTION NOTES

LEGEND

--5390.0 Existing contour ——— 02 ——— PROPOSED CONTOUR **91.5** PROPOSED SPOT ELEVATION PROPOSED BASIN BOUNDARY LINE

--- EXISTING 100-YEAR FLOODPLAIN LINE

ALL SURVEY INFORMATION SHOWN HEREON DBTAINED FROM A SURVEY PERFORMED BY TOM WAGNER, N.M.P.S. 3517 DN 04/14/1993. THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR DRIENTATION ONLY. BOUNDARY DATA SHOWN IS FROM PREVIOUS SURVEY REFERENCED ABOVE.

DRAINAGE PLAN

The following items concerning the Covenant United Methodist Church Grading and Drainage Plan are contained hereon:

3. Calculations 2. Grading Plan 1. Vicinity Map

As shown by the Vicinity Map, the site is located at the southeast corner of the intersection of Wyoming Boulevard N.E. and Wilshire Avenue N.E. At present, the site is developed as a church. Under the proposed scheme of development, building additions, additional paved parking and landscaping will be constructed.

As shown by Panel 10 of 50 of the National Flood Insurance Program Flood Insurance Rate Maps (FIRM) for the City of Albuquerque, New Mexico, dated 10/14/83, a designated flood hazard zone lies within the site. The only improvements which lie within that flood zone are existing paving and landscaping. No building improvements are proposed within that flood zone. The approximate limits of the flood zone have been superimposed on the grading plan as scaled from the FIRM panel.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at one foot intervals, 2) the limit and character of the existing improvements, 3) the limit and character of the proposed improvements, and 4) the limit and character of Wilshire Avenue infrastructure improvements, 5) the limit and character of future improvements to Wyoming Boulevard N.E. and 6) continuity between existing and proposed grades. As shown by this plan, the proposed improvements consist of the construction of building additions and site improvements which will be accomplished in a phased manner. At this time, that portion of Wilshire Avenue N.E. which lies adjacent to the site will be paved. As an interim improvement, an asphalt rundown will channel the runoff to an interim retention pond. No 100-year emergency spillway has been designated for the right-of-way pond since this would result in channelization of runoff and damage to downstream properties. The interim retention pond will contain public runoff and will lie within public right-of-way. At such time as the Wyoming Boulevard N.E. improvements can be constructed, the interim pond will be eliminated and public storm drain improvements will be constructed. The retention ponds cannot be eliminated until the Wyoming Boulevard N.E. improvements are in place. The ability to construct these improvements is directly dependent upon the construction of the AMAFCA/Louisiana Dam and the extension of public storm drain improvements from the Dam within the North Arroyo de Domingo Baca Corridor to the crossing at Wyoming Boulevard N.E. Consequently, the public improvements will be constructed in two phases. The first phase will consist of the construction of the Wilshire Avenue N.E. paving along the property frontage. The second phase, which is deferred construction, will include the Wyoming Boulevard N.E. improvements, the removal of the asphalt channel, and the addition of storm drain which will connect to the Wyoming Boulevard construction. In addition, retention ponding will be provided onsite to accommodate twice the increase in 100-year developed runoff generated by all phases of this project. The existing runoff will be allowed to flow historically, hence only the increase in developed runoff will be ponded. This will be implemented so as not to create an adverse impact on downstream properties. The emergency spillway for the onsite ponds is the driveway located on the west side of the site. It is designated "point of overflow" on the grading

The Calculations which appear hereon analyze the existing and developed conditions for the 100-year, 6-hour rainfall event. Calculations have been performed in accordance with the Procedure for 40-acre and Smaller Basins set forth in the Revision of Section 22.2, Hydrology of the Development Process Manual, Volume II, Design a. Criteria, dated August, 1991. As shown by these calculations, the proposed project will result in an increase in developed runoff from this site. The increase in runoff will be offset, however, by the use of interim retention ponding. Retention ponds can be eliminated at such time as the Louisiana Dam and North Arroyo de Domingo Baca improvements, downstream from this site, are in place.

The residential area to the east is separated from this site by a wall and hence will not contribute offsite flows. The flood zone which runs through the site does introduce offsite flows. These offsite flows will be accepted and conveyed through the site.

Site Characteristics

Precipitation Zone 3

 $P_{6,100} = P_{360} = 2.60$ Total Area (A_T) 4.01 Acres

Existing Land Treatment Treatment Area (sf/ac) 102,940/2.36 a. Basin A 100 102,940/2.36 100 Basin B 71,810/1.65 38,780/0.89 33,030/0.76 Developed Land Treatment Area (sf/ac) <u>Treatment</u> 100 100 a. Basin A 102,940/2.36 102,940/2.36 100 71,810/1.65 Basin B 31 22,400/0.52

49,410/1.13

CALCULATIONS

Existing Condition a. Basin A

 Volume = $(E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$ = (0.66) (2.36) / 2.36 = 0.66 in.

 $V_{100} = (E_W/12) A_T$ $V_{100}^{100} = (0.66/12)(2.36) = 0.1298 \text{ ac.ft.}; 5650 \text{ cf}$ Peak Discharge

 $Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$ $Q_p = Q_{100} = (1.87)(2.36) = 4.41 \text{ cfs}$ Basin B

1. Volume

= $(E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$ = [(0.66)(0.89) + (2.36)(0.76)] / (1.65) = 1.44 in

 $V_{100}^{100} = (1.44/12)(1.65) = 0.1984 \text{ ac.ft.}; 8,640 \text{ cf}$ $V_{10 \text{ Day}}^{100} = V_{100} + A_d (P_{10 \text{ day}} - P_{360})/12 \text{ in/ft.}$ $V_{10 \text{ Day}} = 0.1984 + 0.1457 = 0.3441 \text{ ac.ft.; } 14,990 \text{ cf}$ V_{10 Day} = 0.1984 + 0. 2. Peak Discharge

 $Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$ $Q_p = Q_{100} = (1.87)(0.89) + (5.02)(0.76) = 5.5 cfs$

Developed Condition Basin A 1. Volume

No Change Peak Discharge

No Change Basin B

Volume

= $(E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$ = [(0.92)(0.52) + (2.36)(1.13)] / (1.65) = 1.91 in. $V_{100} = (E_W/12) A_T$

 $V_{100}^{100} = (1.91/12)(1.65) = 0.2627 \text{ ac.ft.}; 11,440 \text{ cf}$ $V_{10 \text{ Day}}^{100} = V_{100} + A_d (P_{10 \text{ Day}} - P_{360})/12 \text{ in/ft}$ $V_{10 \text{ Day}}^{100} = 0.2627 + 0.2166 = 0.4793 \text{ ac.ft.}; 20,880 \text{ cf}$ <u>Comparison</u> Basin A

No Change Basin B 11,440 - 8,640 = 2,800 cf (increase)

2. $\Delta Q_{100}^{200} = 7.0 - 5.5 = 1.5 \text{ cfs (increase)}$ Wilshire Avenue 1. $\Delta V_{100} = 1100 \text{ cf}$

2. $\Delta Q_{100}^{-3} = 0.5 \text{ cfs}$ (From Watershed Design & Analysis)

Pond Volume Calculations

Onsite Ponds (North Pond) Σ Vol (cf) <u>Area (sf)</u> Vol (cf) Elev (ft) 91.5 892.5 892.5 92.0 1910 2255.0 3147.5 93.0 2600

(South Pond) Vol (cf) Σ Vol (cf) Elev (ft) Area (sf) 91.5 1635 928.75 928.75 2080 92.0 3353.75 2425.0

Total Volume Both Ponds @ WSL 5,393 = 6501.25 cf

 $2 \times \Delta V_{100} = 2(2260) = 4520 \text{ cf}$ $V_{pond} > 2 \times \Delta V_{100}$

93.0

Right-of-Way Ponding Elevation ΣV 90.5 840 550 550 91.0 1360 92.0 2100

2770

 $2 \times \Delta V_{100} = 2(1100) = 2200 \text{ cf}$ $V_{pond} > 2 \times \Delta V_{100}$

Future Condition (Basin A)

(Assume same style development as for Basin B) /\ 1. Volume

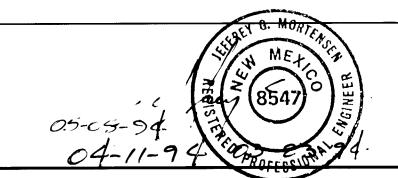
= $(E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$ = [(0.92)(0.73) + (2.36)(1.63)] / 2.36 = 1.91 in

 $V_{100} = (1.91/12)(2.36) = 0.3765 \text{ ac.ft.}; 16,402 \text{ cf}$ $V_{10 \text{ Day}}^{100} = V_{100} + A_d (P_{10 \text{ day}} - P_{360})/12 \text{ in/ft.}$ $V_{10 \text{ Day}}^{100} = 0.3765 + 1.63(4.90 - 2.60)/12$

V_{10 Day} = 0.6889 ac.ft.; 30,010 cf V_{10 Day} = 0.6889 Peak Discharge

$Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D$ $Q_p = Q_{100} = (2.60)(0.73) + (5.02)(1.63) = 10.1 cfs$ Peak Discharge 2. $Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$ $Q_p = Q_{100} = (2.60)(0.52) + (5.02)(1.13) = 7.0 cfs$ FIRE HYDRANT RIGHT-OF-WAY - BACK OF CONC CURB EDGE OF ASHPHAL EDGE OF ASHPAL RIM=5404.32 RIM=5416.58 - EDGE OF ASHPHALT INVERT=5408.85 - ASPHALT ISLAND STREET GRADES PER C.O.A. PROJECT #4769.90 FL 02.37 FL 03.44 WATER METER JTC 02.15 721.66 100-YEAR FLOOD PLAIN LIMITS AS SHOWN DM PANEL 10 DF 50 OF THE FEMA FLOOD BOUNDARY PARKING AREA BASIN/ OVERFLOW FINISH FLOOR ELEVATION CULVERTS @ 91.5 -PHASE IA FF-5399.62 746.73' FOR-INFORMATION

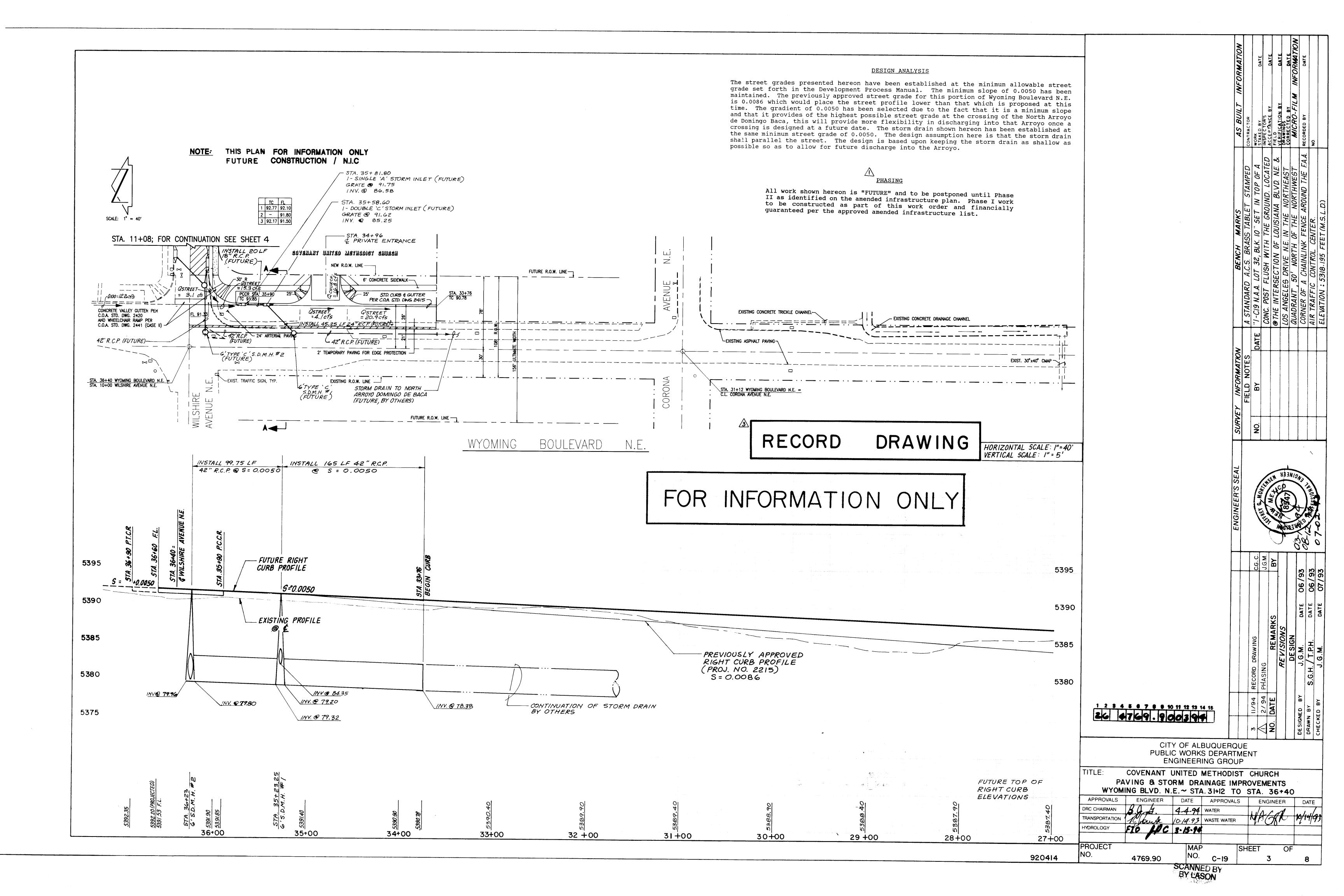
GRADING AND DRAINAGE PLAN COVENANT UNITED METHODIST CHURCH

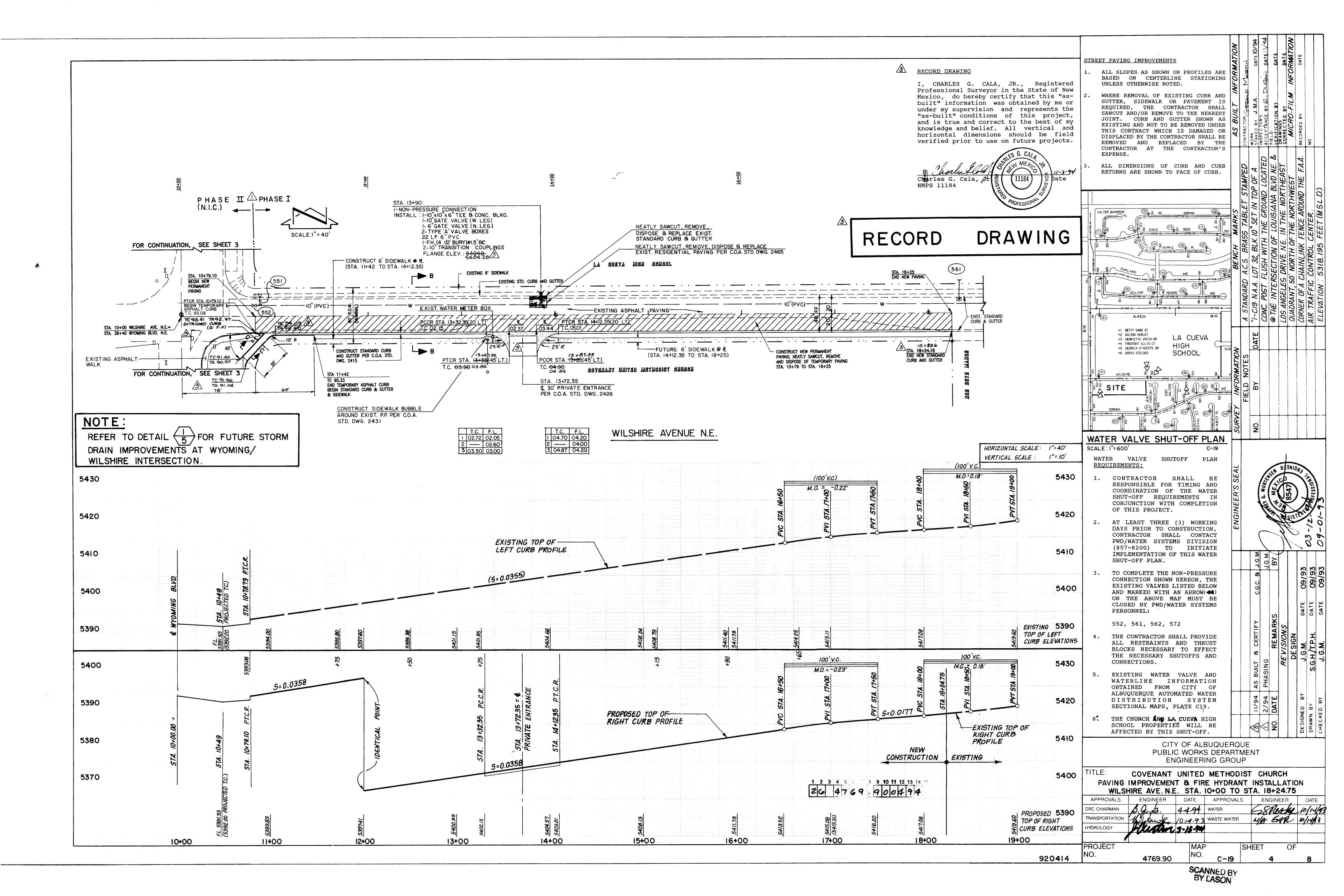


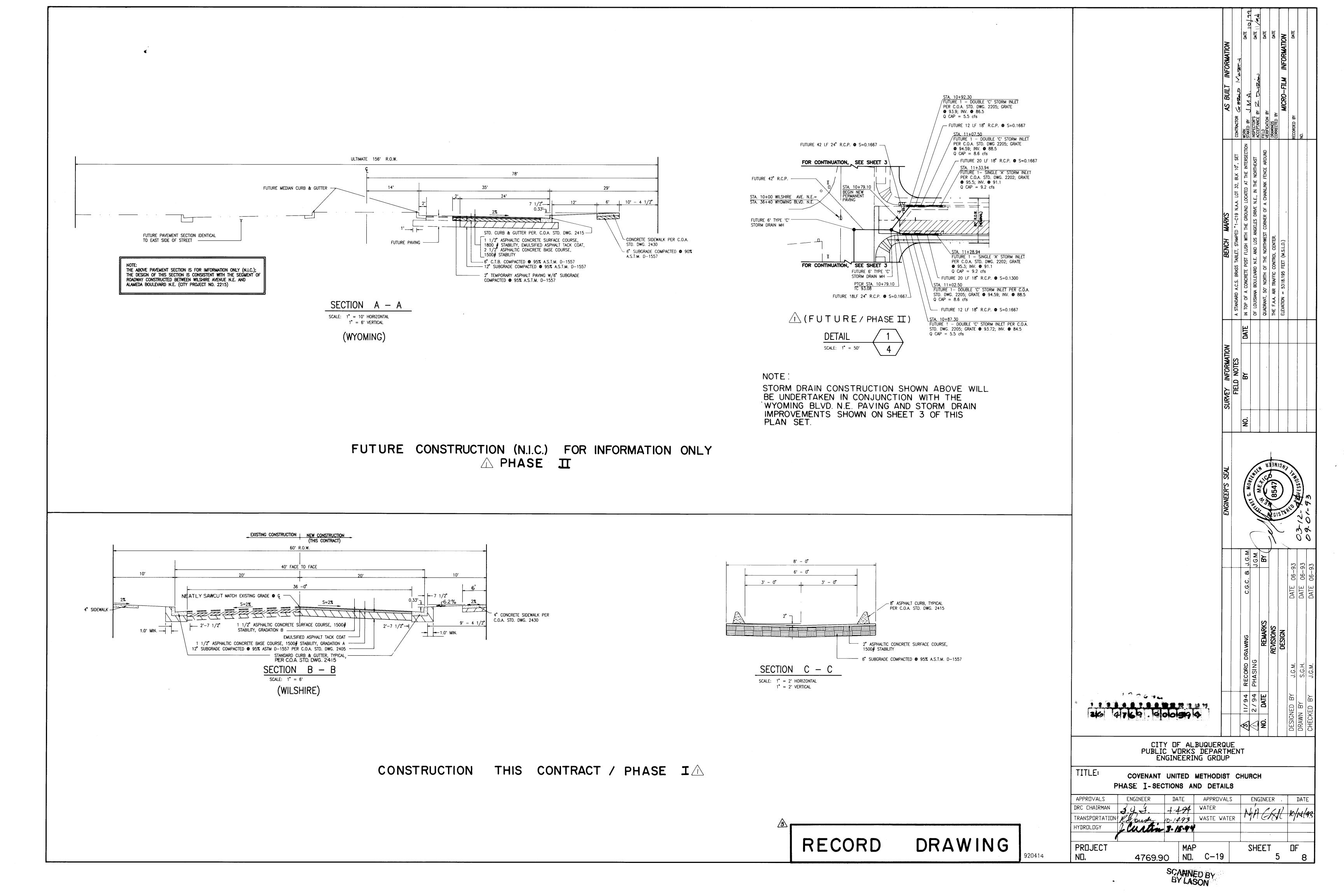
JOB NO. 920416 NO. DATE BY /I\ | 4/94 M.F.D. | DRAINAGE PLAN PHASING, REVISE CALCS. 03-1994 2 5/94 JGM BERM ELEVATION /3\ | 11/94 | C.G.C. | RECORD DRAWING SHEET 2 APPROVED BY J.G.M. SCANNED BY RYLASON

RECORD

DRAWING







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 6A-4 OF THE MUTCD, LATEST EDITION.
- 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 6A-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 OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-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.
- 24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- 25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

W4-2(R)

ROAD

AHEAD

DO NOT

ENTER

R5-1

ROAD CLOSED AHEAD

W20-3

LIMIT 50

ONE WAY

R6-1(R)

BE PREPARED

TD STOP

SPECIAL

SIGN

ROAD

REDUCED

SPEED AHEAD

SLOW

SPECIAL

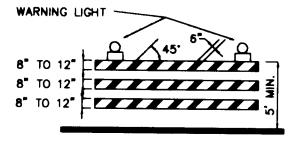
DETOUR

W20-2

R5-1a

THRU TRAFFIC KEEP

SPECIAL



TYPE III BARRICADE

WARNING LIGHT

WARNING LIGHT

W1 - 6(R)

LANE

RIGHT LANE

MUST

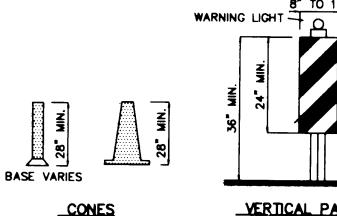
TURN RIGHT

R3-7(R)

ROAD CLOSED

THRU TRAFFIC

R11-4



8" TO 12"

8" TO 12"

TYPE II BARRICADE

COLLAPSIBLE

BARREL

8" TO 12"

TYPE | BARRICADE

COLLAPSIBLE

W20-7a

KEEP

RIGHT

R4-7b

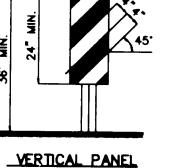
W20-7

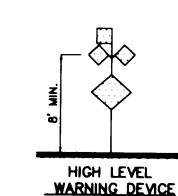
MUST

DETOUR

M4-8a

DETOUR





TRAFFIC CONTROL ELEMENTS

LEGEND

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
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET
- EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH SEE CHART BELOW THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

ı	. 4	TAPER REQUIREMENTS							
	TERMINATION AREA	AREA	SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER	MAXIMUM DEVICE SPACING IN FEET	
				10'	11' LANE	12' LANE	OF DEVICES FOR TAPER	ALONG TAPER	AFTER TAPER
	work zo	NE _	20	70	75	80	5	20	20
L	BUFFER SPACE TYPE III / R11-20 MM WI-6(L) TAPER AREA (L)	25 30	25	105	115	125	6	25	25
			30	150	165	180	7	30	30
T			35	205	225	245	8	35	35
		REA [40	270	295	320	9	40	40
			45	450	495	540	13	45	45
-			50	500	550	600	13	50	50
	ADVANCE WARNI	ING AREA	55	550	605	660	13	55	55
L									

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES SPEED MINIMUM DISTANCE IN FEET MILES BETWEEN FROM LAST PER HOUR SIGNS SIGN TO TAPER

10 X SPEED LIMIT 40-45 10 X SPEED LIMIT 10 X SPEED LIMIT

10 X SPEED LIMIT 10 X SPEED LIMIT

TAPER CRITERIA

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 45 MPH OR GREATER L = W x S

- L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK
- 85-PERCENTILE SPEED IN MPH 1 2 3 4 5 6 7 6 6 10 11 12 13 14 15

26 4769.900694

PROJECT

4769.90

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP COVENANT UNITED METHODIST CHURCH PHASE I SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS APPROVALS APPROVALS ENGINEER **ENGINEER** DATE DRC CHAIRMAN B.4. 4 4-4-94 WATER 10.14.93 WASTE WATER 11. ONL TRANSPORTATION WA CHO VIA HE TYDROLOGY 3-15-74

DRAWING 920414

RECORD

W3-1

KEEP

LEFT

R4-7b(L)

↓ DETOUR

M4-9(L)

CONSTRUCTION

G20-2

DETOUR

M4-9(R)

DETOUR

M4-10(L)

NOTE: THIS SHEET PROVIDED COURTESY OF CITY ENGINEER, PUBLIC WORKS DEPT., CITY OF ALBUQUERQUE

SIGN FACE DETAILS

TWO LANES CLOSED

WHEAD,

W20-5(2R)

CLOSED

R11-2

ORANGE BACKGROUND.

WARNING LIGHT.

LEFT LANE CLOSED AHEAD

W20-5(L)

PARKING ANY

TWO LANES
CLOSED
AHEAD

W20-5(2L)

TURNS

R3-3

LANE

CLOSED

ALL CONSTRUCTION WARNING SIGNS

SHALL HAVE A BLACK LEGEND ON A

ALL ADVANCE WARNING SIGNS SHALL

BE A MINIMUM OF FORTY EIGHT (48)

INCHES BY FORTY EIGHT (48) INCHES

IN SIZE AND SHALL HAVE ONE

PAVEMENT ENDS

W20-5(R)

R2-5b

ACCESS TO

SPECIAL

ONE WAY

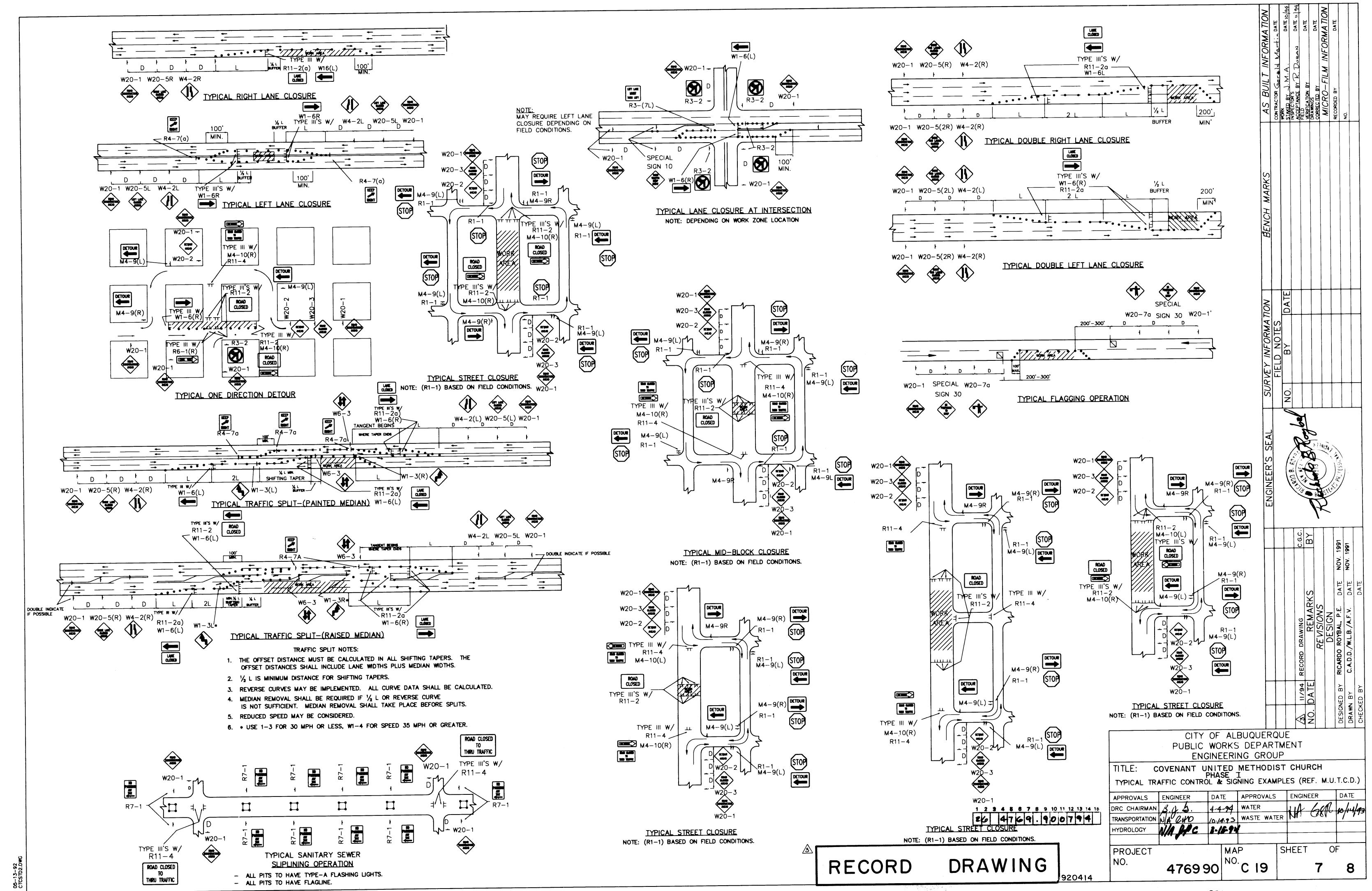
R6-1(L)

MAP

SHEET

OF

6



HIGH SCHOOL					
# 2 . 3rer ≈woor)	disclosure stateme	NT			
y 2 SU-1		ared for the purpose of combining Lots 1 thru 5	LOT 5-A		
WILSHIRE AVE	in Block 16, of NORT	H ALBUQUERQUE ACRES, Tract 2, Unit Three as	A REPLAT OF		
NOR ESTE		and designated on the plat of said Subidivision, the County Clerk of Bernalillo County, New Mexico	LOTS 1 THRU 5 IN BLOCK	16 OF	
R-D	on September 10, 19	31, into one lot, hereon shown as Lot 5-A,	NORTH ALBUQUERQUE ACRES, TRAC	T 2 UNIT THRFF	
	and for the purpose	of dedicating the right-of-ways shown hereon.	BERNALILLO COUNTY	7 2, ONT THICE	
O R-D - C - C - C - C - C - C - C - C - C -	NC *ES		ALBUQUERQUE, NEW MEXI	CO	δ
		Mexico State Plane Coordinate System, Central	FEBRUARY, 1993		ision
0	Zone, originating from	n NGS Station "HEAVEN" and ACS Monument 1—C19. Grid Bearings, distances are ground distances	GRAPHIC SCALE		S S S S S S S S S S S S S S S S S S S
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3.) Bearings and distance	es shown in parentheses are record courses.	100 0 50 100 200	400	
VICINITY MAP (NOT TO SCALE)	4.) By this plat the Sout shown hereon in vaca	herly 74 feet of the existing easement. ted(abandoned).			
(NOT TO SCALE)	5.) Plat shows all easem	ients of record.	(IN FEET) 1 inch = 100 ft		
CURVE	RADIOUS LENGTH TANGENT	CHORD BEARDIG DELTA Z	APPROVED BY:		60
	25.0V 39.36' 85.09'	35.42° N 45°14°57° E 90°11°59° D			871C
	Centerline	RIGHT-OF-WAY DEDICATED BY THIS PLAT	Transportation Engineer, Transportation Departme	nt Date	CO CO URPO
Ē	WILSHIRE S	S 89'39'03" E AVE. 824.35 N.E. 9 . 0	Transportation Engineer, Transportation Departme	nt bate	WEXI
	19 / 19 / 19 / 19 / 19 / 19 / 19 / 19 /	15/5/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	Parks and Recreation Department	Date	EW 1
	Set LS Cap No. 3517	(165') (EAST 795.00') (165') - (0	Parks and Recreation Department		345- RS × SE
	— Set L3 Cap No. 3317	$\begin{array}{c c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \begin{array}{c} & \\ & \end{array} \end{array} \\ & \begin{array}{c} & \\ & \end{array} $ Lot lines eliminated	Mil Clut.	041497	300E 075)
3517	N K K	हे हैं कि by this replat (typical) न	City Surveyor, Engineering Division	Date	
W U U U U U U U U U U U U U U U U U U U	1)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			LBU WAEF
of Section 1	OT OT 013/13/	OT O	Water Resources Department	Date	HE SHE SHE
		(BLOCK 16)			. N
PLAT DATA 30'30'		(MEST (165) (165) (165) (165)	Description		3LVD 55-3
78.00	N 89° 38		Property Management	Date	NO CONTRACTOR OF STATE OF STAT
B CASE NO 60' 60'	— Set LS Cap No. 3517	Set LS Cap No. 3517 / E			ERSC (505)
NE ATLAS NOC-19-Z		(2 17 30). (c) 124 (c) 128) y/	Albuquerque Métropolitan Arroyo Flood Control Authority	Date	JEFFI
TAL NUMBER OF	N 6 TH ALE	/ V			ANY SI BRY TH
ACTS CREATED 1	THA T TWO	D. UNIT THREE) NEW MEXICO STATE PLANE COORDINATE 1.518.845.74			59 S
TAL MILEAGE OF REETS CREATED 0.21	TAT IN "HEA	DELTA ANGLE = $-0.11 00^{\circ}$	City Engineer, Engineering Division	Date	DISCLAIME
TE OF SURVEY 2/11/93	NEW MEX COTATE FLANE CO	OORDINATES NADET - CENTRAL ZUNE			DISC VER
X	X= 4(7)	T	City Planner,Albuquerque/Bernalillo County_Planning Division	Date	Design
	$P = \mathbb{R}(\mathbb{R}^{n} , \mathbb{R}^{n}) = \mathbb{R}(\mathbb{R}^{n}) = $	0.99965263 DESCRIPTION	County Fidining Division	44	Drawn THW
	NAE TH. THE ENTRAL ZINE	A tract of land comprising Lots 1,2,3,4 & 5 in Block 16 of NORTH ALBUQUERQUE ACRES, Tract 2, Unit 3, as the	Chuli Willia	4-19-93	
		same are shown and designated on the plat of said Sub-	Public Service Company of New Mexico	Date	Check DLM
		division, filed in the office of the County Clerk of Bernalillo County, New Mexico on September 10, 1931, and also	一つつるていは、11年7月	11-20-13	
TE CONCENT AND DEDICATION		the easterly 30 feet of Wyoming Blvd., N.E., and the South-	- U.S. Wes t	Date	Scale 1" = 100'
EE CONSENT AND DEDICATION e subdivision hereon described is with the from	ree consent and in	erly 30 feet of Wilshire Ave., N.E., adjoining the above said Lots 1 through 5, and being more particularly described as	A *	1.91.4	
cordance with the desires of the undersigned	d owner(s) and/or	follows: BEGINNING at a point on the Southerly line of the	Joe Hurlinge	42143	
oprietor(s) thereof and said owner(s) and/or reby dedicate all streets and public right—of:		above said Lot 1, from whence National Geodetic Service Monument "HEAVEN" bears S 13° 33'30" W a distance	Gas Company of New Maxico	Date	
the City of Albuquerque in fee simple. The		of 2507.95 feet, and running thence from said point of	NOTE: This are a dame without honefit of title commitme	and	
present that I am aouthorized to so act.		beginning: N 89° 38' 50" W a distance of 78.00 feet to the existing centerline of Wyoming Blvd., N.E., and the	NOTE: This survey done without benefit of title commitme is subject to any facts that may be disclosed by a		
1 crade in the same		Southwest corner of the tract herein described, thence:	and accurate title search.		
hard Lewis Swanson, Chairman, Board of Trustees venant United Methodist Church.	Date	N 0° 08' 58" E a distance of 263.94 feet to the North— west corner of the tract herein described, being also the	CERTIFICATE OF SURVEY:		
Share Shield mothodist Shuffin		intersection of the existing centerlines of Wyoming Blvd.,	I, Thomas H. Wagner, a registered Professional Lo		
ATE OF NEW MEXICO) 13, by:) SS		and Wilshire Ave., thence along said Wilshire centerline, S 89° 39' 03" E a distance of 824.35 to the	the laws of the State of New Mexico, do hereby replat was prepared by me or under my supervisi		
U. U.		Northeast corner of the tract herein desccribed, thence	minimum requirements of monumentation and sur	rveys of the	
	thisday of	leaving said centerline, S 0° 00' 30 " W a distance of 264.00 feet to the Southeast corner of the tract herein	Albuquerque Subdivision Ordinance, and that it is to the best of my knowledge and belief.	true and correct	Date 0 /07
UNTY OF BERNALILLO)		described, being also the Southeast corner of the above	Thunk th. waym	4/14/93	Date 2/93 Job No
JNTY OF BERNALILLO)					Job No. E0247.0
JNTY OF BERNALILLO) foregoing instrument was acknowledged before me t	Date	said Lot 5, thence along the Southerly boundary of the	Thomas H. Wagner	Date	
JNTY OF BERNALILLO) e foregoing instrument was acknowledged before me t	Date	above said Lots 1 through 5: N 89° 38′ 50″ W a distance of 747.00 feet to the point of beginning.	PLS No. 3517	Date	Sheet of
UNTY OF BERNALILLO) e foregoing instrument was acknowledged before me t	Date	above said Lots 1 through 5: N 89° 38′ 50″ W a		Date	Sheet of

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

3	RECOR		DRA	WING
PROJECT NO.	MAP NO.	SHEET	(OF
4769.90	C-19		8	8