

LOT AREA SQUARE FEET= 175,111 (4.02 +/- ACRES)  
 MINUS BUILDING AREA = 33,205 G.S.F.  
 NET LOT AREA= 141,906 SQUARE FEET

LANDSCAPE AREA REQUIRED  
 15% NET LOT AREA= 21,286 SQUARE FEET

LANDSCAPE AREA PROVIDED NEW: 20,360 SQUARE FEET  
 LANDSCAPE AREA EXISTING TO REMAIN: 1,405 SQUARE FEET

TOTAL LANDSCAPE AREA= 21,765 SQUARE FEET

**LANDSCAPE NOTES**

**GENERAL NOTES:**

- PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE OF DRAWINGS, AND NOT ALL INDIVIDUAL SHRUBS OR GROUNDCOVERS ARE SHOWN. ACTUAL TREE LOCATIONS MAY VARY TO ACCOMMODATE SIGNAGE, LIGHTING LOCATIONS, OR OTHER SITE CONSTRAINTS.
- INTENT OF PLAN IS TO CONFORM TO ALL CITY ORDINANCES AND CODES RELATED TO LANDSCAPE REQUIREMENTS, INCLUDING THE WATER CONSERVATION LANDSCAPING AND WATER WASTE ORDINANCE (C-ORD 18-1995).
- PLANTING INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND DETAILS UNLESS OTHERWISE NOTED.
- LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING PLANTING OPERATIONS.
- ALL PLANT SPECIMENS OF THE SAME SPECIES SHALL BE MATCHING IN PROPER AND APPROPRIATE SIZE AND CHARACTER AS PER THE AMERICAN NURSERYMEN'S ASSOCIATION STANDARDS.
- THERE SHALL BE A 2"-3" DEPTH OF MULCH AT ALL PLANTING AREAS. ADJUST SETTING HEIGHT/LEVEL OF NEW TREE, SHRUB OR GROUNDCOVERS SO THAT TOP OF ROOTBALL WILL BE COVERED BY 1" DEPTH OF MULCH.

**IRRIGATION:**

AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM WILL BE DESIGNED AND INSTALLED TO SERVE ALL NEW PLANT MATERIALS, TREES, SHRUBS AND GROUNDCOVERS WILL BE IRRIGATED WITH A LOW-FLOW BUBBLER AND/OR A DRIP EMITTER SYSTEM. REDUCED PRESSURE BACK FLOW PREVENTOR ENCLOSED IN A HOT BOX. MOUNT ON 4" THICK CONC. SLAB. PROVIDE ELECTRICAL SERVICE TO HOT BOX.

**MAINTENANCE:**

ALL RESPONSIBILITIES FOR LANDSCAPE MAINTENANCE ON THE SITE SHALL BE BY THE OWNER.

**PLANTS:**

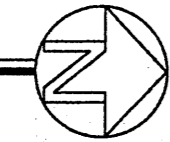
PLANT LIST CONSTITUTES A RANGE OF PLANT MATERIALS WHICH MAY BE USED ON THIS PROJECT. IT IS POSSIBLE THAT NOT ALL LISTED PLANTS WILL BE USED, AND ADDITIONAL APPROPRIATE PLANTS MAY BE INCLUDED ON THE FINAL PLAN.

**PLANT LIST**

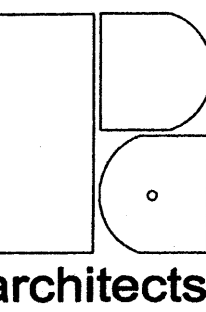
Botanical Name	Common Name	Installed Size	Mature Size	Water Use
<b>TREES</b>				
<i>Gleditsia triacanthos</i>	Shademaster Honey Locust	2 1/2" cal.	45' x 50'	M+
<i>Fraxinus americana</i>	Autumn Purple Ash	2 1/2" cal.	45' x 45'	M+
<i>Pistachia chinensis</i>	Chinese Pistache	2 1/2" cal.	40' x 30'	M
<i>Chilopsis x catalpa</i>	Chitalpa	1 1/2" - 2" cal.	30' x 30'	M
<i>CRATAEGUS C. NERMS</i>	THORNLESS HAWTHORN	2" CAL	20' x 20'	L
<i>Pinus nigra</i>	Austrian Pine	4' - 6' tall	35' x 25'	M
<i>Pinus sylvestris</i>	Scotch Pine	4' - 6' tall	45' x 25'	M
<i>PRUNUS CERASIFERA 'K'</i>	KRAUTER FLOWERING PLUM	2" CAL	12' x 15'	L
<b>SHRUBS</b>				
<i>Caryopteris x clandonensis</i>	Blue Mist Spirea	5 gal.	3' x 3'	M
<i>Chamaebatia millefolium</i>	Fernbush	5 gal.	4' x 5'	L
<i>Spartium junceum</i>	Spanish Broom	5 gal.	5' x 5'	M
<i>Kniphofia uvaria</i>	Red Hot Poker	5 gal.	3' x 3'	L
<i>Perovskia atriplicifolia</i>	Russian Sage	5 gal.	5' x 5'	M
<i>Rosmarinus officinalis 'ARP'</i>	Rosemary	5 gal.	5' x 5'	L
<i>Salvia greggi</i>	Autumn Sage	5 gal.	2' x 3'	M
<i>Hesperaloe parviflora</i>	Red Yucca	5 gal.	3' x 3'	M
<i>Stipa tenuifolia</i>	Threadgrass	1 gal.	2' x 2'	L
<i>Helictotrichon semperezirens</i>	Blue Avena	1 gal.	2' x 2'	M
<i>Artemisa x powis castle</i>	Powis Castle Sage	1 gal.	2' x 5'	L+
<i>Cotoneaster buxifolius</i>	Greyleaf Cotoneaster	5 gal.	2' x 6'	M
<b>GROUNDCOVERS &amp; VINES</b>				
<i>Delosperma cooperi</i>	Purple Iceplant	Pots	6" x 18"	L
<i>Parthenocissus tricuspidata</i>	Boston Ivy	1 gal.	---	M
<b>MULCHES</b>				
	Cobbles, Crusher Fines, Gravel & Bark			

**LANDSCAPE PLAN**

SCALE: 1"=30'-0"



ST. PAUL'S UNITED METHODIST CHURCH ADDITIONS AND RENOVATIONS  
 9500 CONSTITUTION AVE, NE  
 ALBUQUERQUE, NM 87112



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**SHEET TITLE**

**LANDSCAPE PLAN**

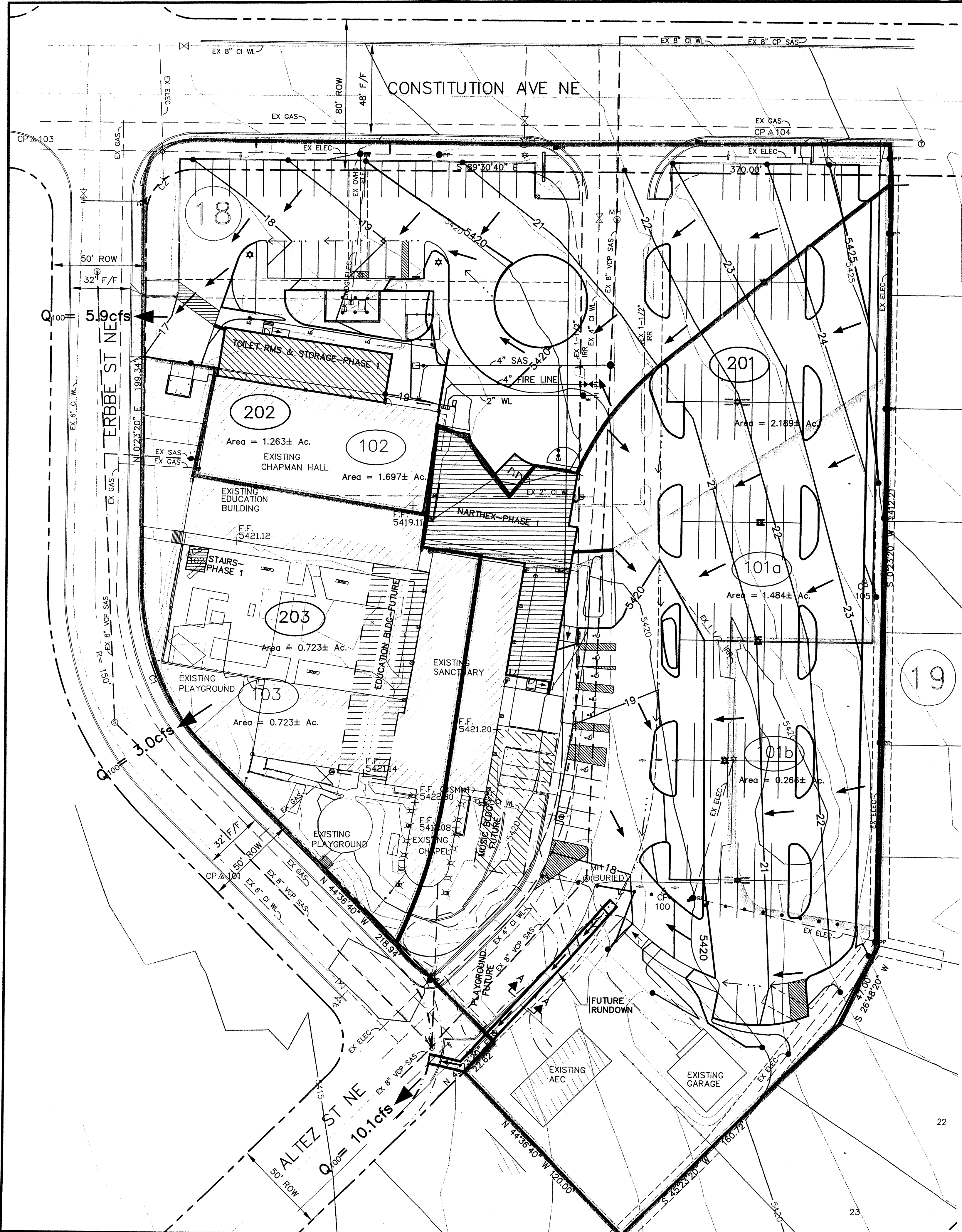
**DATE:**

JUNE 2, 2005  
 REVISED 6-7-05

**SHEET NO.**

**DRB2**

DRB SUBMITTAL  
 SHEET #2 -LANDSCAPE PLAN



**DRAINAGE REPORT**

**Site Description**  
 The project site, identified as St. Paul's United Methodist Church, is located on the south side of Constitution Avenue, just east of the intersection of Moon Street NE and Constitution Avenue. It is bounded on the north, east and west by residential lots.

**Legal Description**  
 Tract A St. Paul's United Methodist Church, City of Albuquerque, Bernalillo County, New Mexico, as recorded in the office of the County Clerk on 8/11/05 in Book 2005C, Page 278.

**Flood Hazard Zones**  
 The site is not located in a flood zone as shown by Panels 35001C0356E & 35001C0358F.

**Existing Conditions**  
 The site is a 4.02 Acre tract with a church facility and parking lot. The site is comprised of three major basins, as shown on this plan, which sheet flow through parking or drive lanes and discharge offsite to the west, south and southwest. The site slopes generally northeast to southwest at grades between three and four percent. An existing pond along the southeast side of the site is non-functional in terms of accepting or releasing flows.

**Existing Flow Calculations (100-YR 6-HR)**

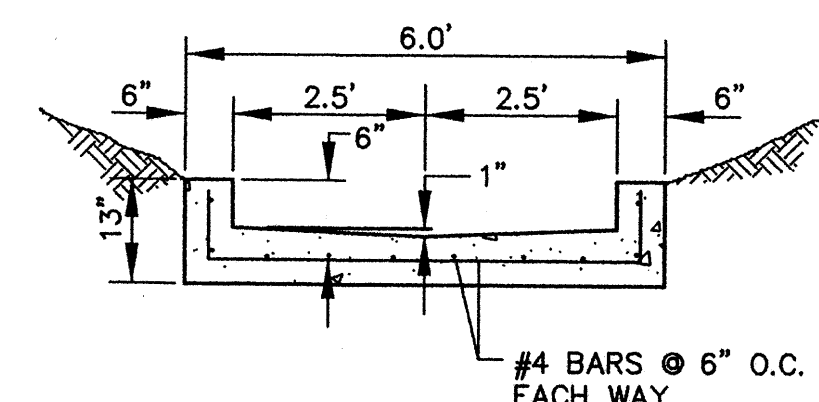
Basin	Area acres	Land Treatment				Q100 cfs	V360 ac-ft
		A	B	C	D		
101a	1.484	0.00	0.00	0.10	1.38	7.27	0.283
101b	0.266	0.00	0.00	0.27	0.00	0.92	0.029
102	1.697	0.00	0.00	0.29	1.41	8.04	0.308
103	0.723	0.00	0.00	0.35	0.37	3.07	0.111
<b>Total</b>						<b>19.29</b>	<b>0.731</b>

**Proposed Conditions**  
 The church facility expansion to the north and east in Phase 1, and to the east in future phases, is an infill project and does not change the existing drainage patterns. The developed flows will continue to sheet flow through parking areas to swales that direct flows offsite to the west onto Erbbe Street and on the south onto Altez Street. Developed flows from the courtyard and playground areas of the site will continue to sheet flow southwest to Erbbe Street.

**Proposed Flow Calculations (100-YR 6-HR)**

Basin	Area acres	Land Treatment				Q100 cfs	V360 ac-ft
		A	B	C	D		
201	2.189	0.00	0.00	0.58	1.61	10.05	0.379
202	1.263	0.00	0.00	0.27	0.99	5.90	0.224
203	0.723	0.00	0.00	0.37	0.37	3.07	0.111
<b>Total</b>						<b>19.02</b>	<b>0.714</b>

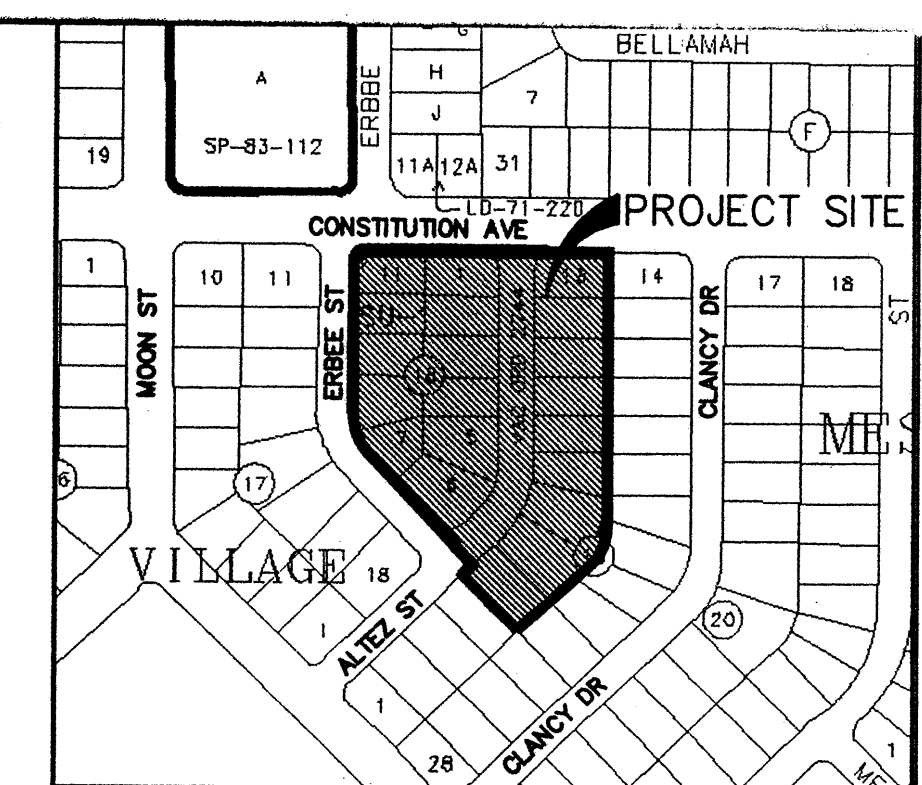
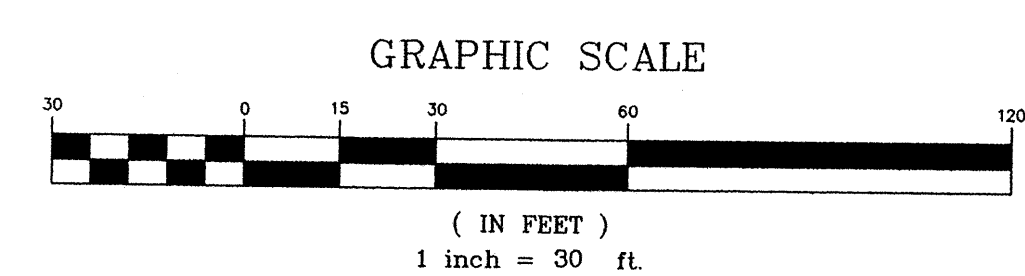
**Conclusion**  
 With the expansion of the church facility, this site will adhere to the existing drainage patterns. Overall, the developed condition with more landscaped area will decrease discharge from the site by 0.27 cfs. The expansion of the facility changes the location of basin boundaries, thereby redistributing flows; discharge to the east onto Erbbe Street from Basin 202 decreases by 2.1 cfs while discharge to the south onto Altez Street increases by 2.8 cfs. The discharge is in compliance with and will have no impact on the well-developed downstream drainage systems in the vicinity.



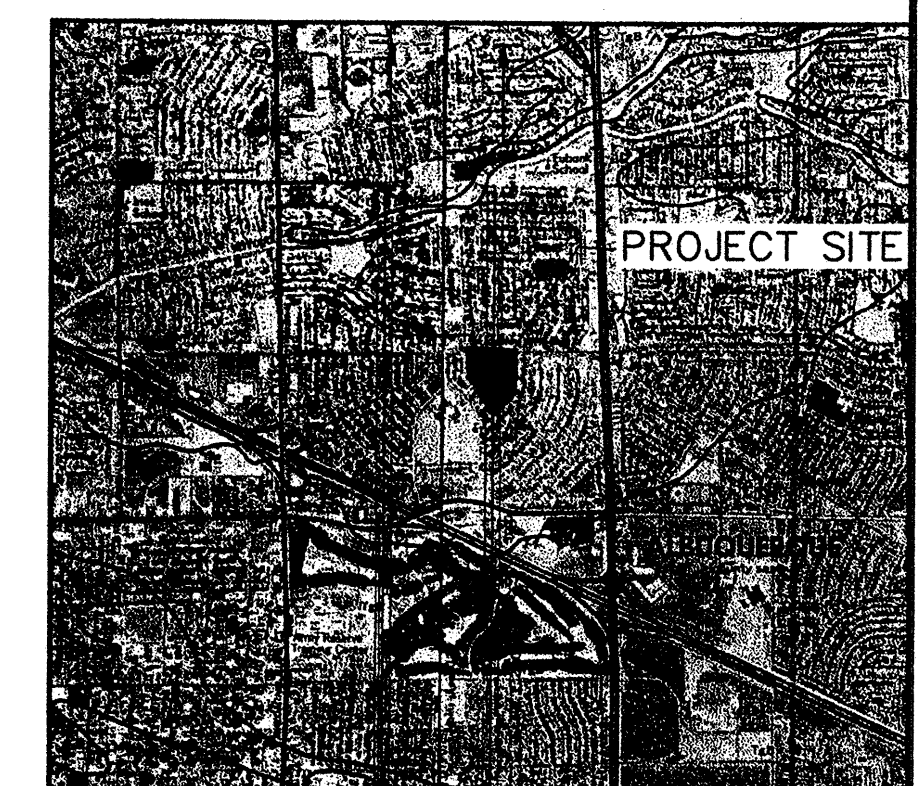
**SECTION A-A**  
**CONCRETE RUNDOWN DETAIL**  
 NTS

**BENCH MARK**  
 ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 11-J20" GEOGRAPHIC POSITION (NAD 1927) NM STATE PLANE COORDINATES (CENTRAL ZONE) X = 394,062.557 Y = 1,516,507.279 GROUND TO GRID FACTOR = 0.99967022 DELTA ALPHA = -00°12'15" NGVD 1929 TRIG ELEVATION = 5412.66

**LEGAL DESCRIPTION**  
 TRACT A  
 ST. PAUL'S UNITED METHODIST CHURCH

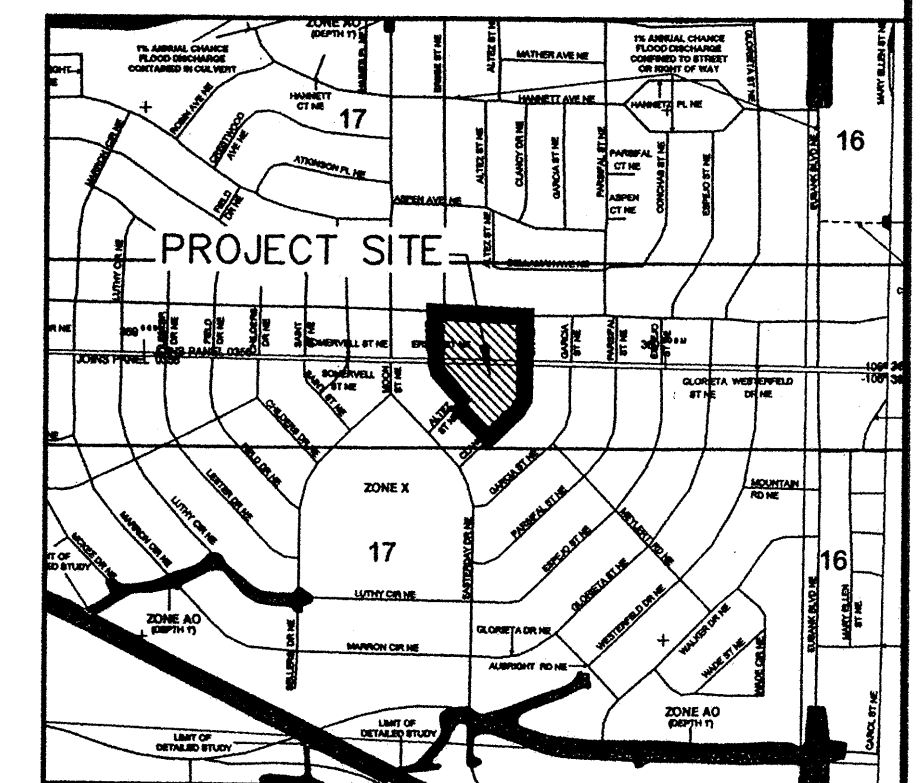


**LOCATION MAP**  
 ZONE ATLAS MAP NO. J-20



**PROJECT SITE**

**SOILS MAP**  
 REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY SHEET NO. 31 & 32



**FLOOD INSURANCE MAP**  
 REFERENCE: FLOOD INSURANCE STUDY PANELS 35001C0356E & 35001C0358F

**LEGEND**

	EXISTING INTERMEDIATE CONTOUR		PROPOSED INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR		PROPOSED INDEX CONTOUR
	EXISTING BASIN BOUNDARY LINE		PROPOSED BASIN BOUNDARY LINE
	EXISTING BASIN TAG		BASIN TAG
	SWALE		FLOW ARROW
	NEW BUILDING		

**WILSON & COMPANY**  
 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021

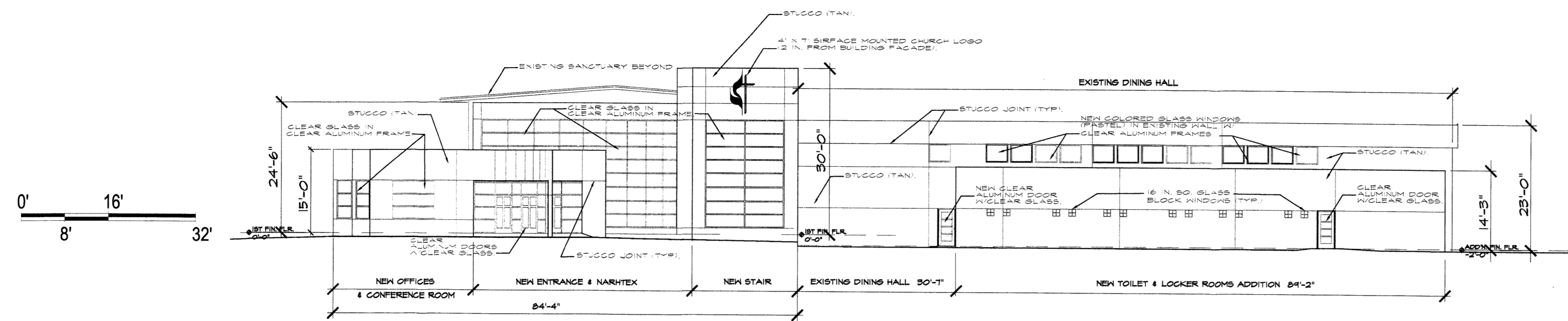
**ST. PAUL'S UNITED METHODIST CHURCH**

**DRAINAGE PLAN**

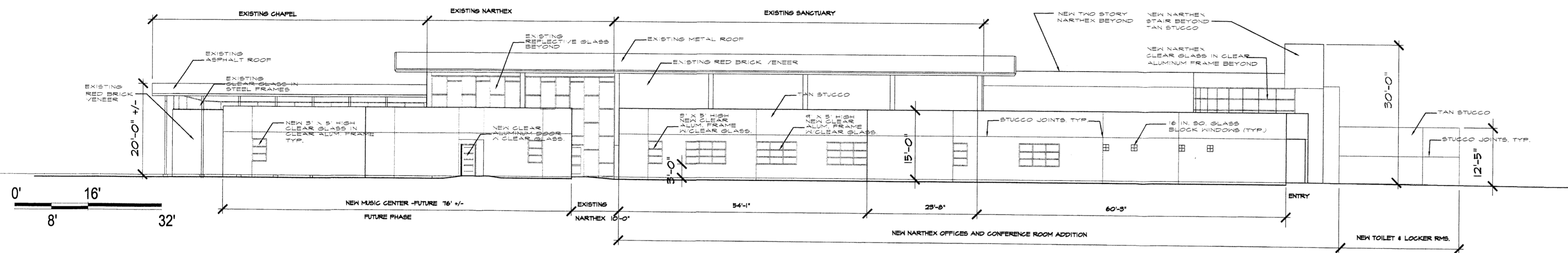
NO.	DATE	REMARKS	BY

DESIGN: KIS WCEA NO. X5218048 DATE: AUG 2005  
 DRAWN: OBR Zone Map No. SHEET NO.  
 CHECK: KIS J-20 1 OF 1

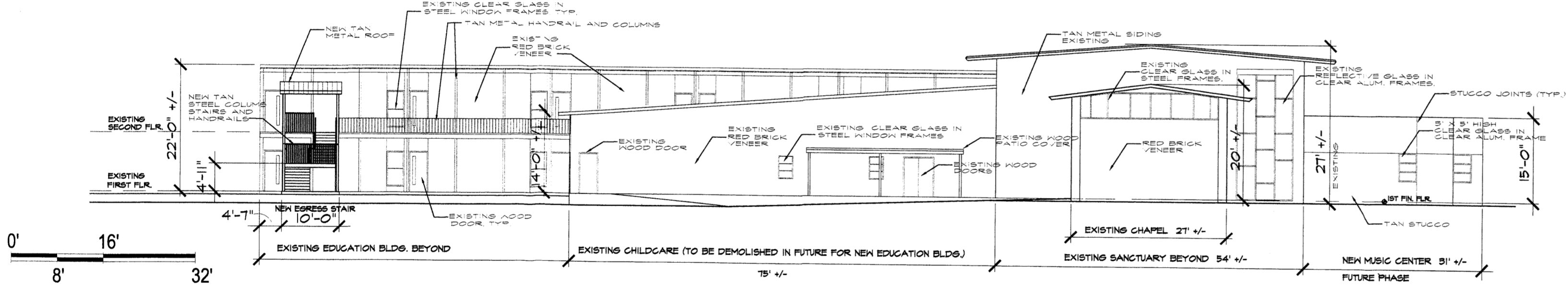
WCEA X5218048  
 AUG 2005



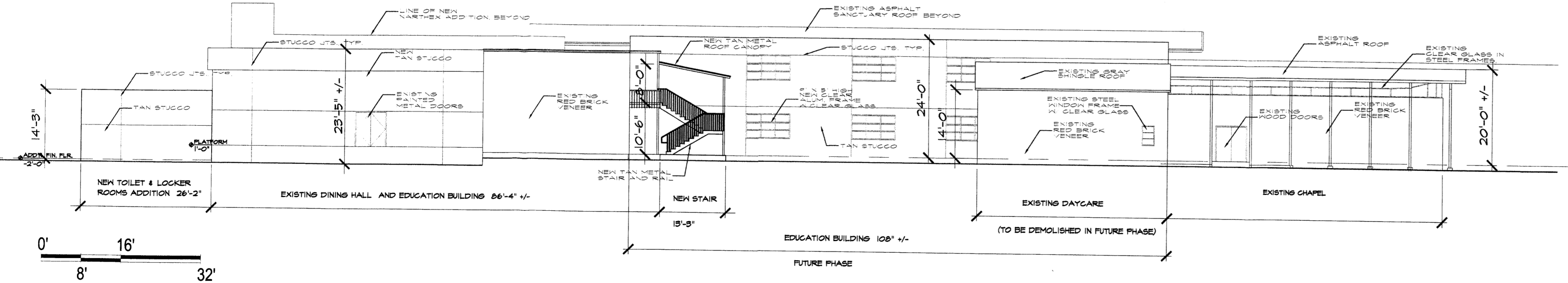
1  
DRB4  
**NORTH ELEVATION**  
SCALE: 1/16"=1'-0"



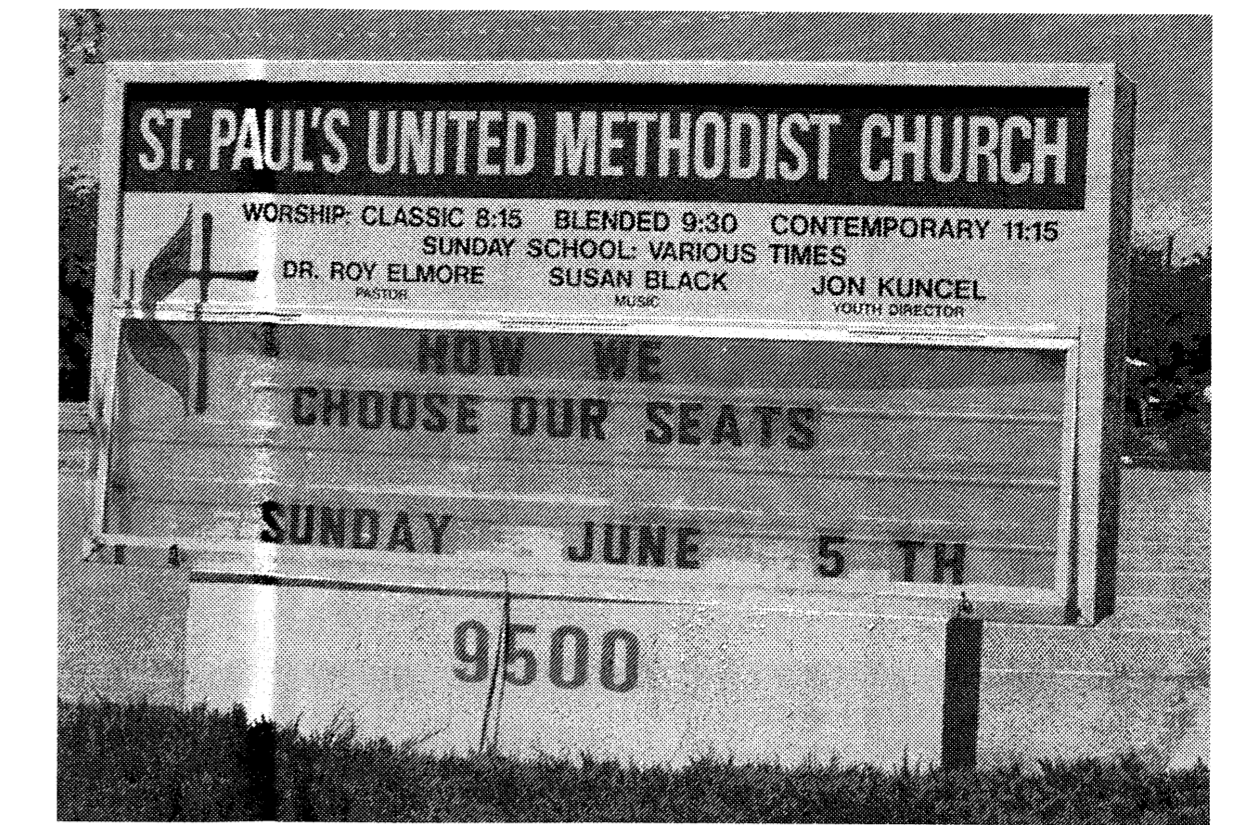
2  
DRB4  
**EAST ELEVATION**  
SCALE: 1/16"=1'-0"



3  
DRB4  
**SOUTH ELEVATION**  
SCALE: 1/16"=1'-0"



4  
DRB4  
**WEST ELEVATION**  
SCALE: 1/16"=1'-0"



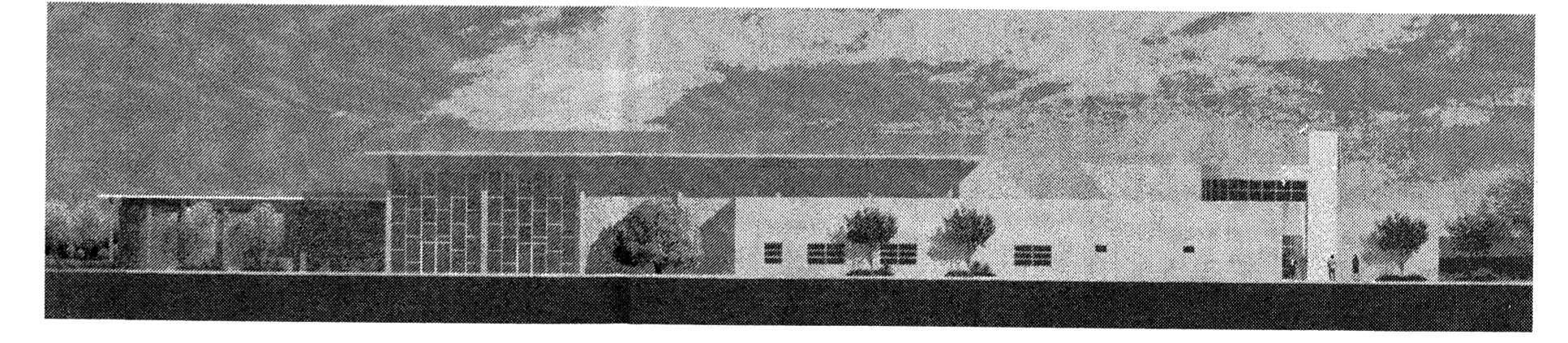
5  
DRB4  
**EXISTING CHURCH SIGN ELEVATION**

N.T.S. 8' L X 4'-3" H ON 27" H PEDESTAL  
WHITE METAL FRAMED -PLASTIC BACKLIT SIGN- RED FLAME BLUE BAND  
BLACK AND WHITE LETTERS.

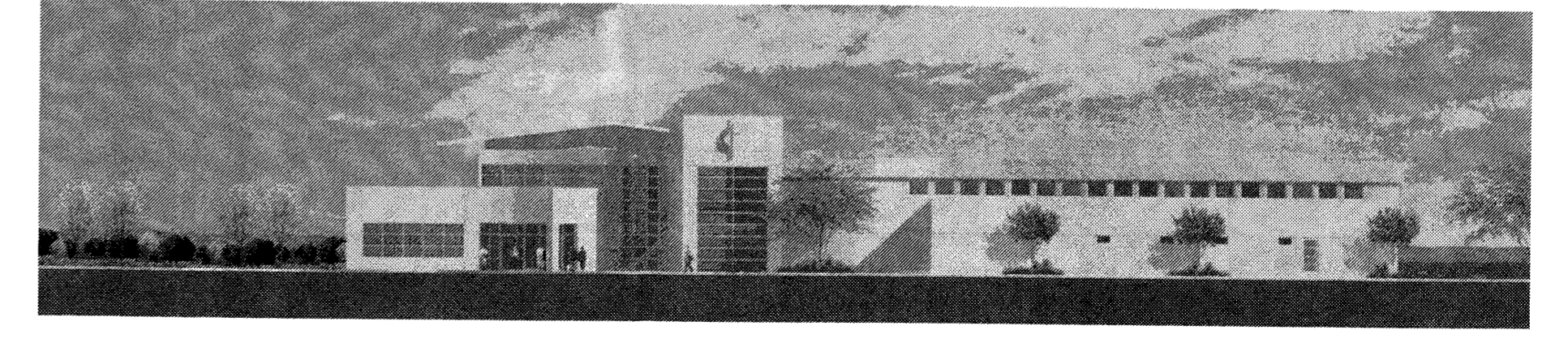


6  
DRB4  
**EXISTING PRE-SCHOOL SIGN ELEVATION**

N.T.S. 4'-5" L X 4'-0 1/2" H  
BLACK METAL FRAME, WHITE BACKGROUND, BLACK AND MULTI-COLORED



7  
DRB4  
**EAST ELEVATION RENDERING**  
N.T.S.



8  
DRB4  
**NORTH ELEVATION RENDERING**  
N.T.S.

**DRB SUBMITTAL**  
**SHEET #4 -BUILDING ELEVATIONS**

**ST. PAUL'S UNITED METHODIST CHURCH ADDITIONS AND RENOVATIONS**  
9500 CONSTITUTION AVE, NE  
ALBUQUERQUE, NM 87112

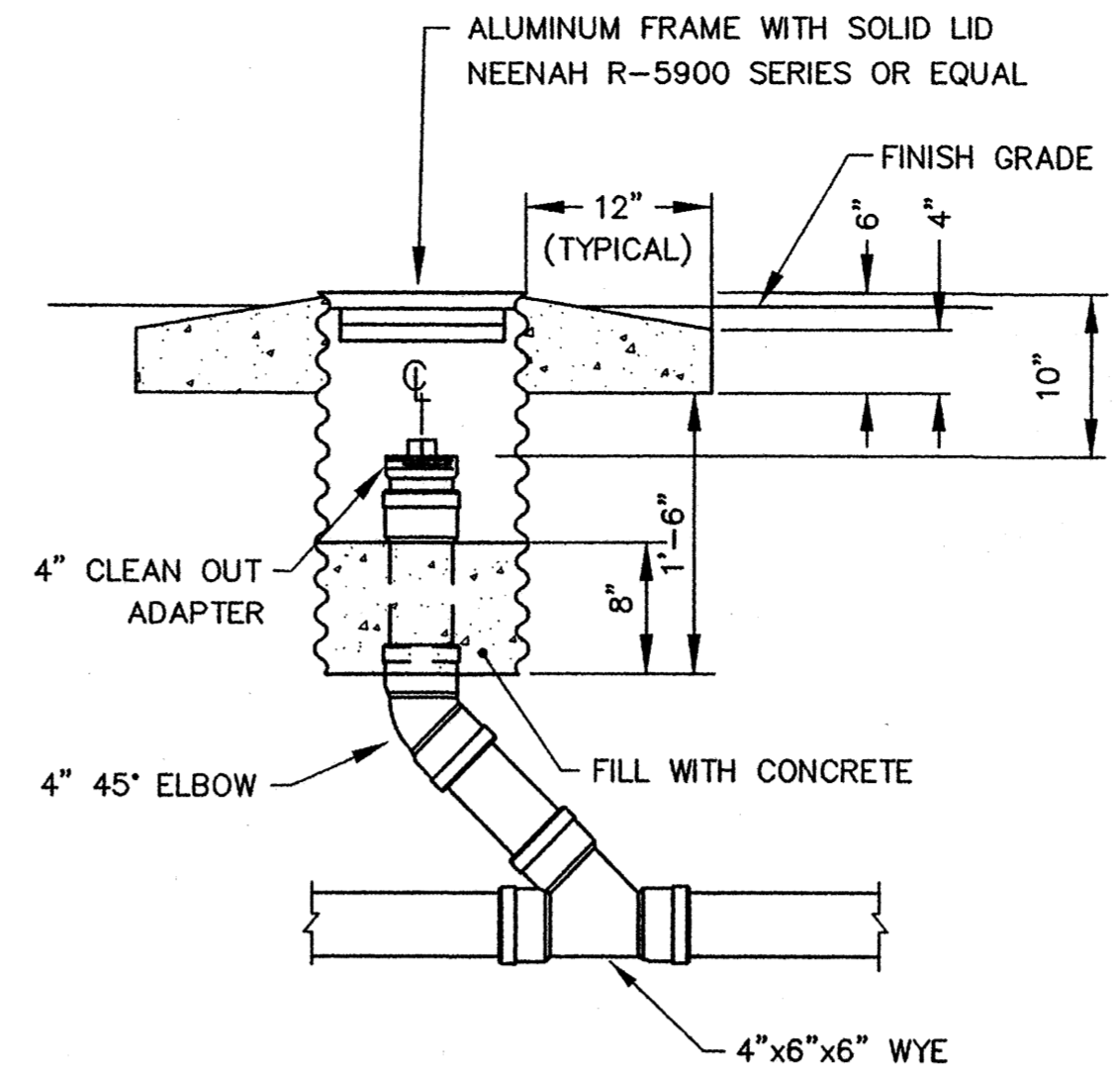
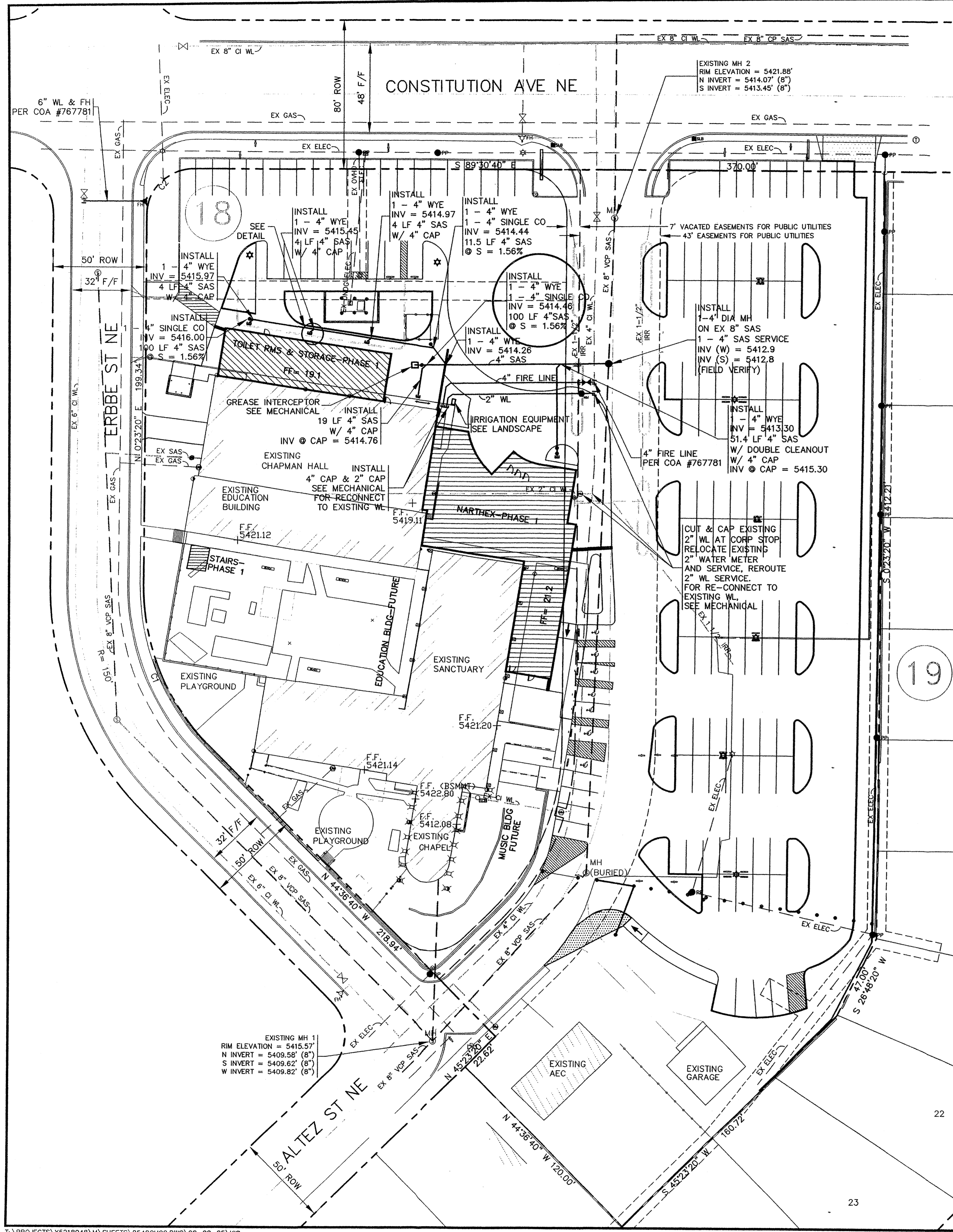
**PA architects**  
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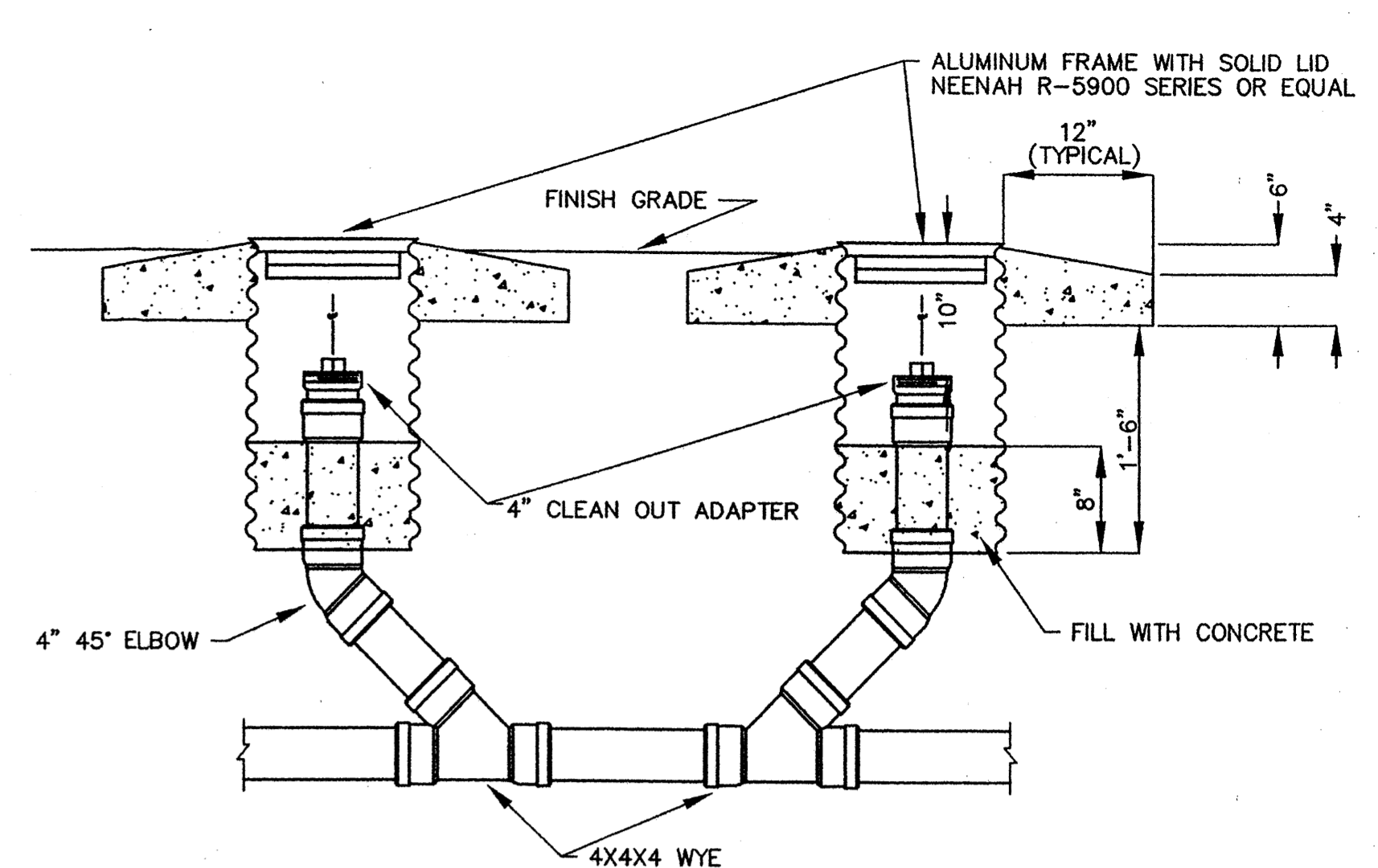
**SHEET TITLE**  
**BUILDING ELEVATIONS**

**DATE:**  
AUGUST 29, 2005

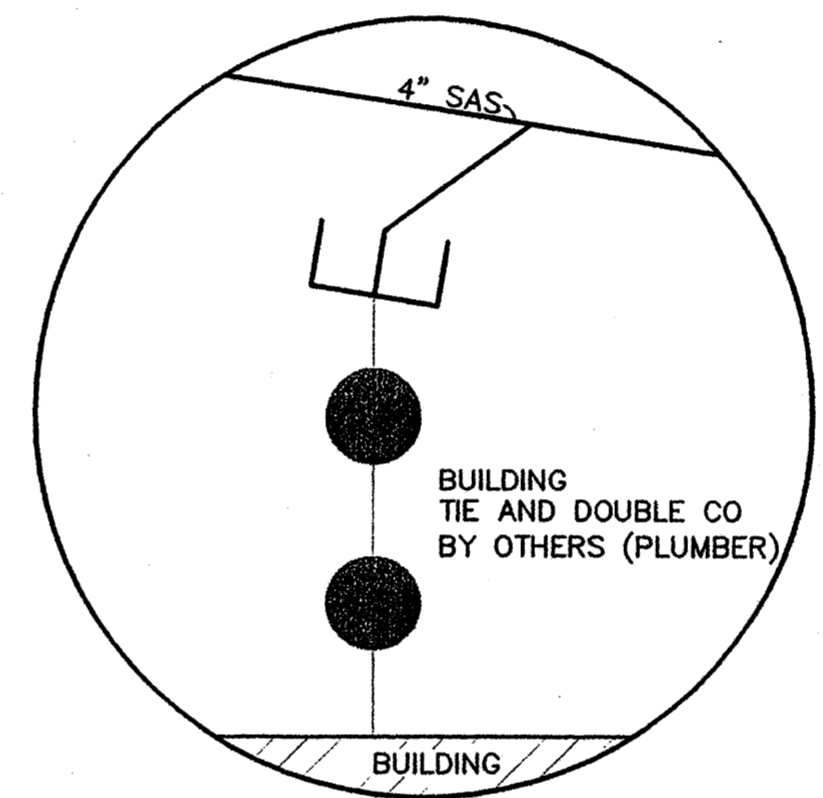
**SHEET NO.**  
**DRB4**



**4" SINGLE CLEANOUT DETAIL**  
NTS



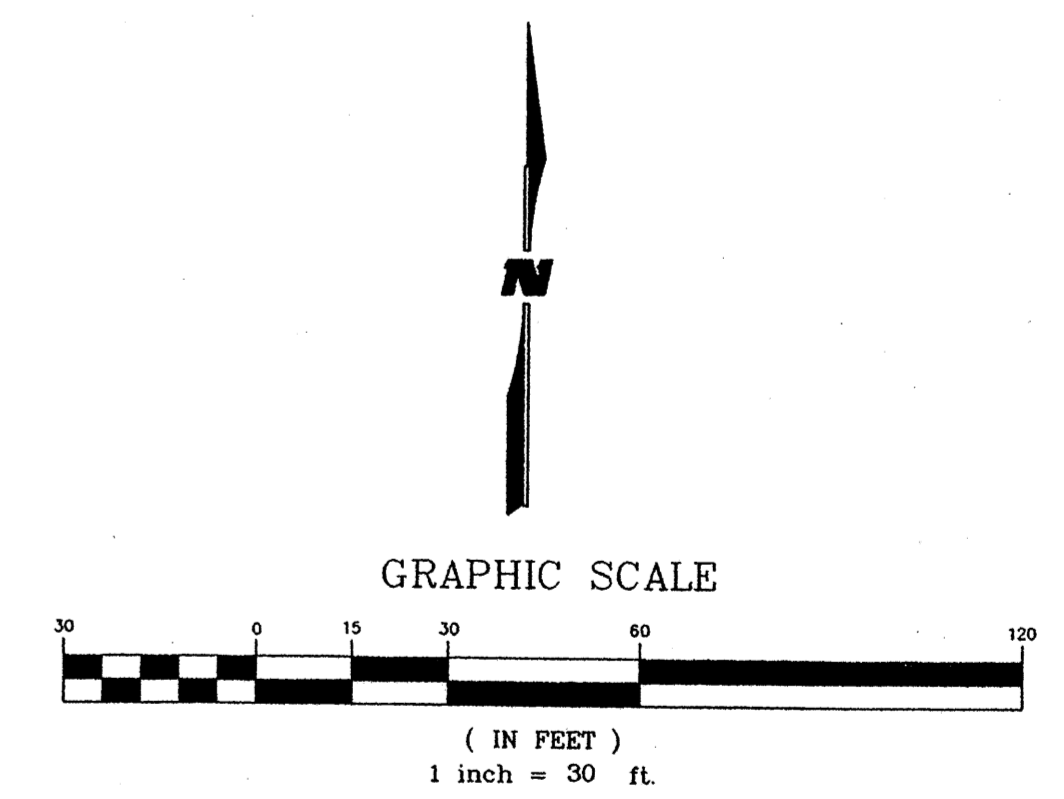
**4" DOUBLE CLEANOUT DETAIL**  
NTS



**BUILDING TIE DETAIL (TYP OF 4)**  
SCALE 1"=1'

**UTILITY NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR TAPPING PERMITS FOR RELOCATED 2" METERED SERVICE AND 4" SAS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH COA #767781, PUBLIC FIRE HYDRANT & 4" FIRE LINE INSTALLATION.

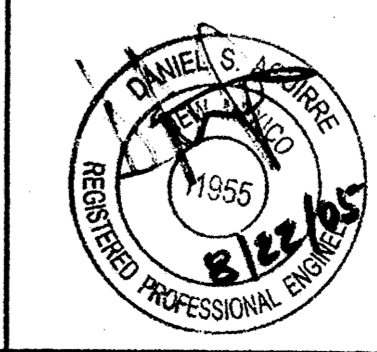


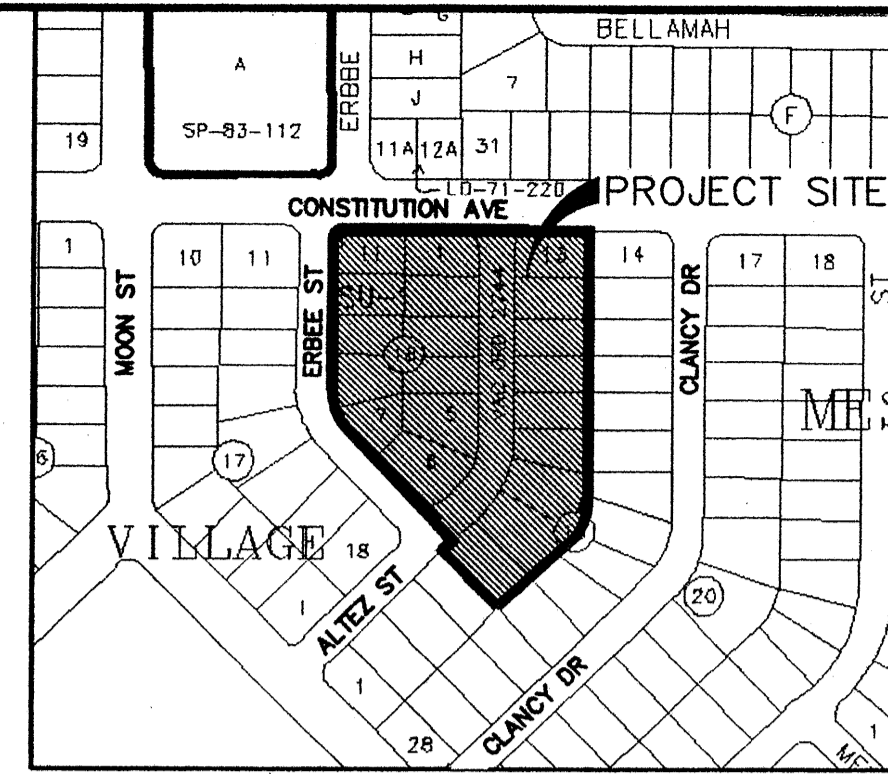
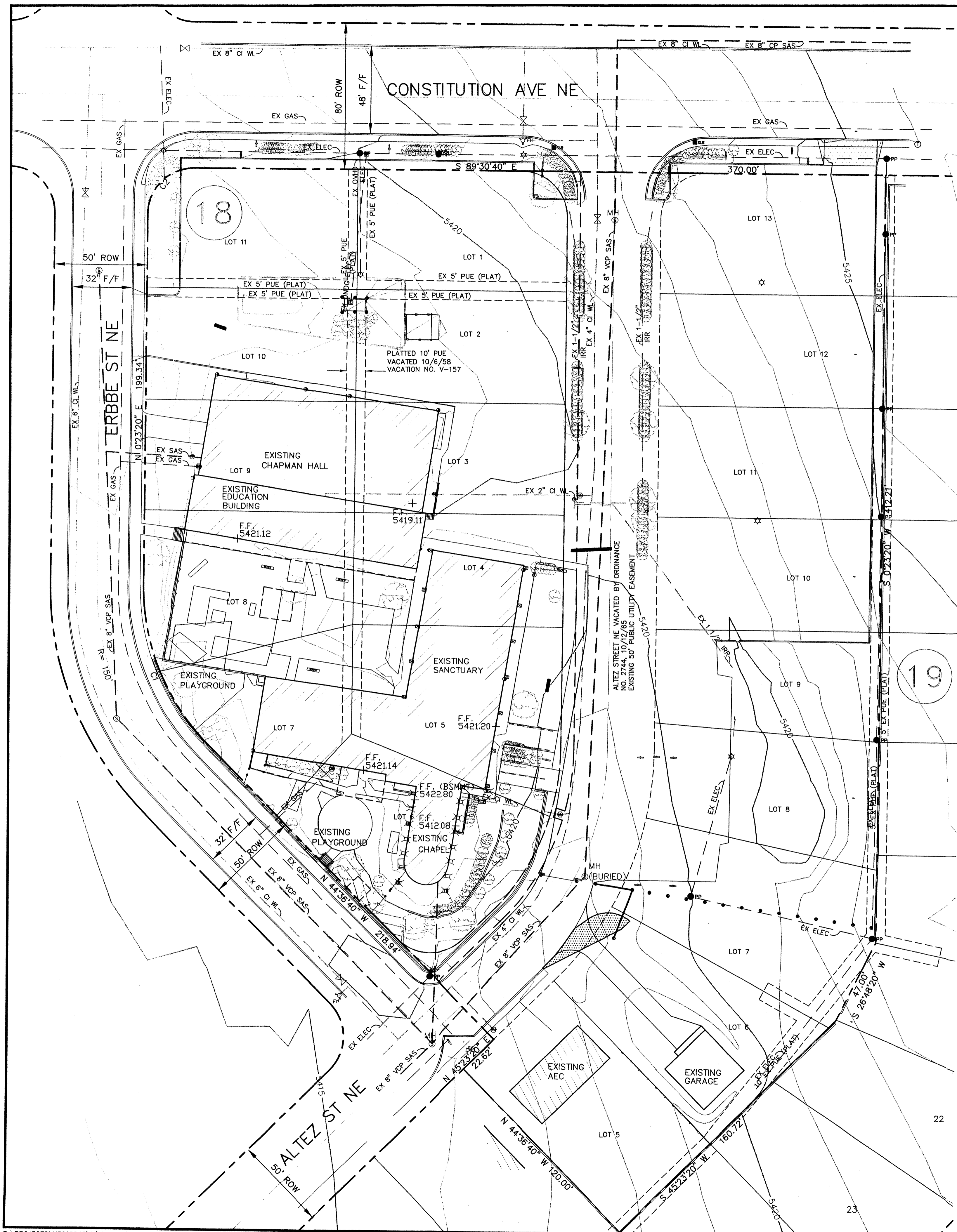
**LEGEND**

- 8" SAS — EXISTING SANITARY SEWER
- 4" WL — EXISTING WATER LINE
- ⊙ EXISTING SEWER MANHOLE

<b>WILSON &amp; COMPANY</b> 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021		<b>ST. PAUL'S UNITED METHODIST CHURCH OVERALL UTILITY PLAN</b>	
		DESIGN	KIS
DRAWN	OBR	Zone Map No. J-20	SHEET NO. CU 0.1
CHECK	KIS		

WCEA X5218048  
AUG 2005

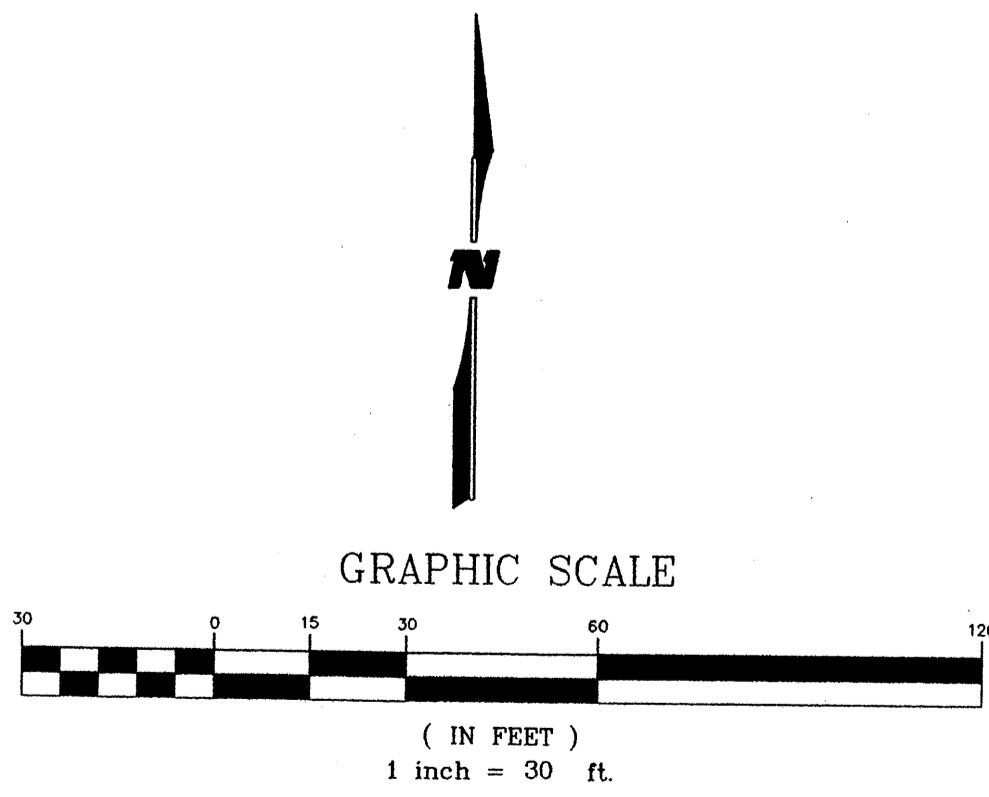




LOCATION MAP  
ZONE ATLAS MAP NO. J-20

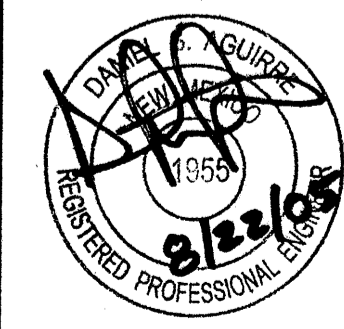
SYMBOL LEGEND	
[Symbol]	ELECTRIC BOX
[Symbol]	LIGHT POLE
[Symbol]	GUY WIRE
[Symbol]	POWER POLE
[Symbol]	ELECTRIC OUTLET
[Symbol]	SIGNAL LIGHT JUNCTION BOX
[Symbol]	TELEPHONE PEDESTAL
[Symbol]	TELEPHONE MANHOLE
[Symbol]	FIRE HYDRANT
[Symbol]	WATER VALVE
[Symbol]	WATER METER
[Symbol]	SPRINKLER HEAD
[Symbol]	SPRINKLER CONTROL BOX
[Symbol]	ROOF DRAIN
[Symbol]	CLEAN OUT
[Symbol]	BOLLARD
[Symbol]	BENCH
[Symbol]	GAS METER
[Symbol]	GAS VALVE
[Symbol]	SIGN
[Symbol]	BUILDING COLUMN (2.30'x1.65')
[Symbol]	BUILDING COLUMN (0.40'x0.90')
[Symbol]	HAND RAIL
[Symbol]	SANITARY SEWER MANHOLE
[Symbol]	WOOD FENCE
[Symbol]	CHAINLINK FENCE
[Symbol]	EXISTING ELECTRIC
[Symbol]	EXISTING GAS
[Symbol]	EXISTING WATER
[Symbol]	EXISTING SAS
[Symbol]	CONTROL POINT
[Symbol]	SPOT ELEVATION
[Symbol]	SCRUB
[Symbol]	DECIDUOUS TREE
[Symbol]	EVERGREEN TREE

LEGAL DESCRIPTION  
TRACT A  
ST. PAUL'S UNITED METHODIST CHURCH



<b>WILSON &amp; COMPANY</b> 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021	<b>ST. PAUL'S UNITED METHODIST CHURCH EXISTING CONDITIONS PLAN</b>			
	DESIGN	KIS	WCEA NO. X5218048	DATE AUG 2005
DRAWN	OBR	Zone Map No.	SHEET NO.	
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AUG 2005



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