

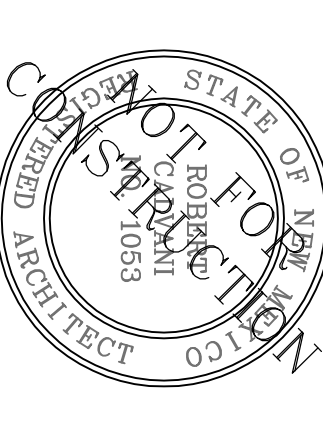
GENERAL NOTES:

- 1. AS OF MARCH 10, 2003, THE USPA REQUIRES NPDES PERMIT COVERAGE FOR STORM WATER DISCHARGES FROM CONSTRUCTION PROJECTS (COMMON PLANS OF DEVELOPMENT) THAT WILL RESULT IN THE DISTURBANCE OF ONE OR MORE ACRES.
- 2. THE DEVELOPER SHOULD BE MADE AWARE THAT THE USPA REQUIRES THAT ALL "OPERATORS" (SEE FEDERAL REGISTER/VOL. 63, NO. 128 / MONDAY, JULY 6, 1999 PG. 36509) OBTAIN NPDES PERMIT COVERAGE FOR CONSTRUCTION PROJECTS. GENERALLY THIS MEANS THAT AT LEAST TWO PARTIES WILL REQUIRE PERMIT COVERAGE: THE OWNER/DEVELOPER OF THIS CONSTRUCTION PROJECT WHO HAS OPERATIONAL CONTROL OVER THE PROJECT SPECIFICATIONS, THE GENERAL CONTRACTOR WHO HAS SITE DATA TO OBTAIN OPERATIONAL CONTROL OVER THOSE ACTIVITIES STORM WATER POLLUTION PLAN AND OTHER CONDITIONS, AND POSSIBLY OTHER "OPERATORS" THAT WILL REQUIRE APPROPRIATE NPDES PERMIT COVERAGE FOR THIS PROJECT.
- 3. CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.
- 4. TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTINUE LINE LOCATING SERVICE 280-1990 FOR LOCATION OF EXISTING UTILITIES.
- 5. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- 6. ALL EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS HAS BEEN PROVIDED FOR INFORMATION. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- 7. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 8. ALL PAYMENT, BASE COURSE AND SUBGRADE PREPARATION THICKNESS SHALL BE PROVIDED BY THE SOILS ENGINEER FOR THIS PROJECT.
- 9. ALL DISTURBED AREAS SHALL RECEIVE CLASS "A" SEEDING PER NMDOT BLUEBOOK. THESE SHALL INCLUDE ALL SLOPED AND NON-SLOPED AREAS. SLOPES SHALL NOT EXCEED 3:1.
- 10. FILL/BACK-FILL SHALL BE PLACED IN EIGHT INCH LIFTS AND COMPACTED TO 90 PERCENT OPTIMUM DENSITY AS PER ASTM D-1577 AND 95 PERCENT UNDER STRUCTURES INCLUDING DRIVEWAYS AND PARKING LOTS.
- 11. A GEOTECHNICAL INVESTIGATION WAS CONDUCTED FOR THIS PROJECT. THE CONTRACTOR MAY CONDUCT AN INDEPENDENT VERIFICATION OF EXISTING MATERIALS AT VARIOUS LOCATIONS THROUGHOUT THE LENGTH OF THE PROJECT. CONTRACTORS MAY PERFORM THEIR OWN LABORATORY TESTINGS TO OBTAIN ALL NECESSARY INFORMATION FOR BIDDING PURPOSES.
- 12. CONTRACTOR SHALL MAINTAIN A 10' HORIZONTAL AND 2' VERTICAL SEPARATION BETWEEN SANITARY AND SANITARY SEWER LINE WHETHER THEY ARE MAIN LINES IN THE ROADWAY OR SERVICE LINES TO THE LOTS.
- 13. CONTRACTOR SHALL ADJUST WATERLINE DEPTH TO ACCOMMODATE SANITARY SEWER LINE SERVICES.
- 14. THE WATER AND SEWER UTILITIES FOR THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION DATED 1987, AND THE HIS STANDARD SPECIFICATIONS, LATEST EDITION.
- 15. THE CONTRACTOR SHALL PLACE LOCATOR TAPE NO MORE THAN 12" ABOVE ALL UNDERGROUND UTILITY LINES.
- 16. SEE ARCHITECTURAL DRAWINGS FOR PAVING & CONCRETE ADDITIVE ALTERNATES #1 AND #2.



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CONSULTANT

PROJECT TITLE

CATHOLIC
CHARITIES

ALBUQUERQUE
NEW MEXICO

REVISIONS:

DATE	DESCRIPTION
XX	MM/DD
PROJECT NUMBER:	MYO
DATE:	4/14/23
SHEET TITLE:	3/23/15

CONCEPTUAL GRADING
AND DRAINAGE PLAN

SHEET NO:

C-101

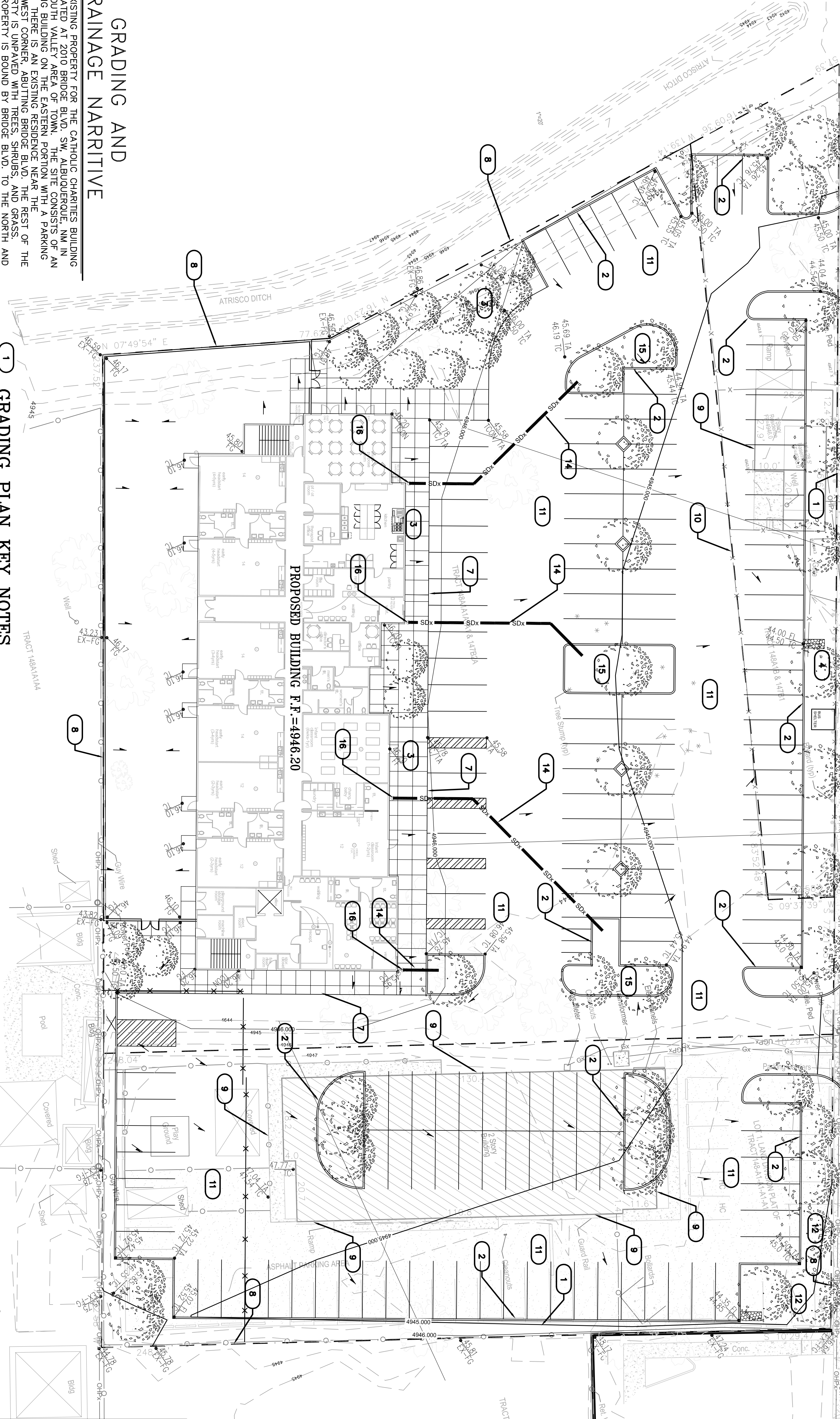
GRADING AND
DRAINAGE NARRATIVE

THE EXISTING PROPERTY FOR THE CATHOLIC CHARITIES BUILDING IS LOCATED AT 2010 BRIDGE BLVD., SW, ALBUQUERQUE, NM IN THE SOUTH VALLEY AREA OF TOWN. THE SITE CONSISTS OF AN EXISTING BUILDING ON THE EASTERN PORTION WITH A PARKING AREA. THERE IS AN EXISTING RESIDENCE NEAR THE PROPERTY IS UNDEVELOPED WITH BARE SHUBBY AND GRASS. THE PROPERTY IS BOUND BY BRIDGE BLVD. TO THE NORTH AND THE ATRISCO DITCH ON THE WEST SIDE. THERE IS ALSO AN EXISTING RESIDENTIAL AREA ON THE SOUTH SIDE OF THE SITE AND A COMMERCIAL BUSINESS FROM THE EAST. THE LAND IS GENERALLY FLAT AND SLOPES FROM THE EAST TO THE WEST. THE EXISTING BUILDING AND RESIDENCE WILL BE DEMOLISHED AND THE NEW BUILDING WILL BE PLACED ALONG THE SOUTHERN PORTION OF THE SITE. THE SOUTHERN PORTION OF THE SITE WILL CONSIST OF ASPHALT PARKING AND LANDSCAPE AREAS.

THE PROPOSED GRADING IMPROVEMENTS WILL INCLUDE STANDARD CURB AND GUTTER, AND CURB CUTS AS NECESSARY AND STORM DRAIN SYSTEM TIED TO THE ROOF DRAINS FOR ALLOWING STORMWATER INTO A PROPOSED WATER HARVESTING AREA. THE SITE WILL ALSO PROVIDE APPROXIMATELY TWO ACRES OF LANDSCAPE AND WATER HARVESTING AREAS. THE WATER HARVESTING AREAS WILL BE USED TO MANAGE THE 90TH PERCENTILE STORM EVENTS AS REQUIRED BY THE RECENT CITY OF ALBUQUERQUE DRAINAGE ORDINANCE CHANGES (RECD VOL. = (0.33 IN. * 72041 SF)/12 = 2041 CF. WATER HARVEST AREA VOL IS GREATER THAN 4000 CF. 4000 CF > 1438 CF) THEREFORE OK. BASED CITY OF ALBUQUERQUE HYDROLOGY DEPARTMENT RULES FOR THE VALLEY ITS BEEN DETERMINED TO RETAIN THE FIRST HALF INCH OF RAIN ON SITE. THAT CALCULATION WAS DETERMINED TO BE 3000 CUBIC FEET OF RETENTION. THE PROPOSED WATER HARVESTING AREAS BEING 3000 CUBIC FEET. THE FIRST HALF INCH OF RAIN. THE 3000 CUBIC FEET CALCULATED FOR THE FIRST HALF INCH ALL OF THE ROOF DRAINAGE WILL BE DRAINED INTO WATER HARVEST AREAS AND THE ASPHALT PARKING AREAS WILL BE DRAINED INTO WATER HARVEST AREAS ALONG THE SOUTH SIDE OF BRIDGE BOULEVARD.

GRADING PLAN KEY NOTES

- 1. EXISTING CONCRETE SIDEWALK/FLATWORK TO REMAIN.
- 2. NEW CURB AND GUTTER PER C.O.A. STD. DWG. 2415A.
- 3. NEW CONCRETE FLATWORK. SEE ARCHITECTURAL DRAWINGS.
- 4. NEW WATER HARVEST AREA #1
TOP ELEV. = 4943.50
INV. ELEV. = 4941.50
- 5. NEW CONCRETE DRIVEPAD.
- 6. NEW TYPE B HANDICAP RAMP.
- 7. NEW CONCRETE TURNDOWN EDGE.
- 8. EXISTING PROPERTY LINE/FENCING.
- 9. EXISTING BUILDING/STRUCTURE TO BE REMOVED.
- 10. EXISTING FENCE TO BE REMOVED.
- 11. NEW ASPHALT PAVING.
- 12. NEW WATER HARVESTING AREA #2
TOP ELEV. = 4944.50
INV. ELEV. = 4943.00
- 13. NEW EMERGENCY SPILLWAY, NEW SIDEWALK CULVERT.
- 14. NEW STORM DRAIN PIPE FROM ROOF DRAINS TO NEW WATER HARVEST AREA.
- 15. NEW WATER HARVEST AREA (TYPICAL)
APPROXIMATELY 400 CF VOLUME FOR FIRST FLUSH FROM ROOF DRAINAGE.
- 16. NEW ROOF DRAINS.



LEGEND

EXISTING INDEX CONTOUR LINE	PROPOSED FLOW LINE
EXISTING INTERMEDIATE CONTOUR LINE	PROPOSED FINISHED INDEX CONTOUR LINE
PROPOSED FLOW LINE	PROPOSED FINISHED INTERMEDIATE CONTOUR LINE
FLOW ARROW	
SPOT ELEVATIONS	
PROPOSED RIP RAP	
PROPOSED ASPHALT	
TOP OF CONCRETE	
FLOW LINE	
TOP OF SIDEWALK	
TOP OF CURB	
TOP OF GROUND	
TOP OF ASPHALT	
FINISH FLOOR	
EXISTING WATER	
EXISTING SEWER LINE	
EXISTING OVERHEAD ELECTRIC	
EXISTING FENCE	
BOUNDARY	



SCALE: 1"=20'
CONTOUR INTERVAL = 1'

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