

project summary

PROJECT DESCRIPTION SCOPE OF WORK:

EXISTING CONDITIONS:
THE ST. JOHN LUTHERAN CHURCH IS A SINGLE STORY MULTI-USE STRUCTURE WITH PARTIAL BASEMENT. THE STRUCTURE CONSISTS OF A CAST-IN-PLACE CONCRETE FOUNDATION WITH STUD WALL, AND BRICK VENEER. THE EXTERIOR CONSISTS OF BRICK, THE FACILITY USE GROUP IS MIXED USE (A-3, A-4 & E) AND INCLUDES A PARTIAL NFPA 13 FIRE SUPPRESSION SYSTEM.

THE 13.66 ACRE SITE IS BOUNDED BY A STATE ROAD TO WEST AND NORTH. THE TWO PROPERTIES ARE OWNED BY JUDITH A. LIPTAK AND CATHOLIC CHARITIES FACILITY CORPORATION, CATHOLIC CHARITIES FACILITY AND FARMADALE FACILITY. THE EXISTING BUILDING AND THE PROPOSED NEW ADDITIONS COMPLY WITH ALL ZONING REQUIREMENTS AND WILL BE LOCATED WITHIN THE REQUIRED SETBACKS AND IT WILL NOT REQUIRE ANY VARIANCES. WE DO NOT ANTICIPATE ANY SPECIAL CONDITIONS OR CIRCUMSTANCES FOR THIS PROJECT.

SCOPE OF WORK: (THE BUILDING WILL BE DESIGNED UNDER OBC 2011 & ADAAS 2010)

SITE IMPROVEMENT:
THE SITE WILL CONSIST OF ADDING AN ISLAND TO INSURE ACCESSIBILITY FOR PERSONS WITH DISABILITIES AND PROTECT THE DROP-OFF AREA FROM THE TRAFFIC AREA. THE EXISTING PARKING WILL BE RE-CONFIGURED TO FOLLOW ALL CODES AND STANDARDS WITH THE MOVING OF TWO PARKING ISLANDS TO THE SOUTH OF THE PROPOSED AREA WITH NEW CONCRETE CURBS. THE EXISTING PARKING AREAS WILL BE RESURFACED AND RE-STRIPPED ACCORDING TO THE MOST STRINGENT CODES. NEW CODE COMPLIANT CONCRETE RAMPS WITH TACTILE WARNING SURFACES AT ALL TRANSITIONS BETWEEN WALKING SURFACES SHALL BE INSTALLED TO ALLOW ACCESS TO THE BUILDING FROM PERSONS WITH DISABILITIES.

FORTE COCHERE & ENTRY CANOPY
THE PROPOSED FORTE COCHERE AND CANOPY WILL CONSIST OF A FIRE TREATED STEEL STRUCTURE WITH A SLOPED ASPHALT ROOF. ALL COLUMNS WILL HAVE A BRICK VENEER WITH CAST STONE CAP TO MATCH THE EXISTING BUILDING ELEMENTS. THE ROOFING STRUCTURE WILL BE AN OPEN STEEL TRUSS CONFIGURATION. THE INTERIOR HEIGHT OF THE FORTE COCHERE AND ENTRY CANOPY WILL BE 19'-0" CLEAR.

INTERIOR IMPROVEMENTS
THE INTERIOR SCOPE OF THE WORK WILL CONSIST OF THE RENOVATION OF APPROXIMATELY 550 SF OF THE EXISTING LOBBY AREA, AND THE ADDITION OF A VESTIBULE. THE PROPOSED VESTIBULE LAYOUT WILL INCLUDE A NEW VESTIBULE, COAT CLOSET AND DOUBLE SIDED, VENTLESS, ELECTRIC FIREPLACE. THE RENOVATION WILL INCLUDE ENERGY EFFICIENT LIGHT FIXTURE UPGRADES AND NEW ANNUNCIATOR PANEL TO MEET CURRENT REQUIREMENTS.

NEW AREAS CODE INFORMATION

AREA TO BE ALTERED OCCUPANT LOAD:
VESTIBULE AREA (46 G.S.F.): 5 NET 20 OCCUPANT LOAD
ENTRY CANOPY (1210 G.S.F.): 5 NET EXTERIOR SPACE

USE AND OCCUPANCY:
NEW VESTIBULE A-3
ENTRY CANOPY A-3

TYPE OF CONSTRUCTION:
NEW VESTIBULE 2B
ENTRY CANOPY 2B

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (OBC TABLE 601.2)

PRIMARY STRUCTURAL FRAME	0 HRS
BEARING WALLS	0 HRS
EXTERIORS	0 HRS
INTERIORS	0 HRS
NON-BEARING WALL AND PARTITIONS INTERIORS	0 HRS
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0 HRS
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0 HRS

EXISTING BUILDING CODE INFORMATION

AREA TO BE ALTERED OCCUPANT LOAD:
NARTHEX (160 G.S.F.): 5 NET = 152 OCCUPANT LOAD
ENTRY VESTIBULE AREA (840 G.S.F.): 5 NET = 168 OCCUPANT LOAD

USE AND OCCUPANCY:
302 USE GROUP CLASSIFICATION A-3, A-4 & E
302.5 SINGLE USE NO
315 MIXED USE YES
315.1 NON-SEPARATED N/A
315.2 SEPARATED YES

TYPES OF CONSTRUCTION:
TYPES OF CONSTRUCTION SB
NON COM/COM
UNPROTECTED

FIRE RESISTANT MATERIALS AND CONSTRUCTION

FIRE RESISTANCE RATINGS OF STRUCTURAL ELEMENTS (TABLE 602)

1) EXTERIOR WALLS	2
A) LOAD BEARING (TABLE 705.2)	0
B) NON-LOAD BEARING (TABLE 705.2)	N/A
2) FIRE WALLS AND PARTY WALLS (707)	2
3) FIRE SEPARATION ASSEMBLIES (TABLE 709)	1
A) EXITS (1014.11 & 709)	1
B) SHAFTS & ELEVATOR HOISTWAYS (709 & 710)	1
C) BETWEEN USES (315)	2
4) FIRE PARTITIONS-EXIT ACCESS CORRIDORS (711)	1
5) SMOKE BARRIERS (712)	N/A
6) INTERIOR BEARING WALLS, COLUMNS & GIRDS (715)	0
A) SUPPORTING MORE THAN ONE FLOOR	0
B) SUPPORTING 1 FLOOR OR ROOF	0
7) STRUCTURAL MEMBERS SUPPORTING WALLS (715)	0
8) FLOOR CONSTRUCTION INCLUDING BEAMS (715)	0
9) ROOF CONSTRUCTION (714)	0
A) 15' OR LESS IN HEIGHT	0
B) BETWEEN 15' AND 20' IN HEIGHT	0
C) 20' OR MORE IN HEIGHT	0

FIRE PROTECTION SYSTEMS:
904 AUTOMATIC FIRE SUPPRESSION SYSTEM YES (LOWER LEVEL ONLY)
907 LIMITED AREA SPRINKLER SYSTEM NO
914 STANDPIPE SYSTEM N/A
917 FIRE PROTECTION SIGNALING SYSTEM YES
918 AUTOMATIC FIRE DETECTION SYSTEM NO
919 SMOKE DETECTION SYSTEM NO
920 FIRE EXTINGUISHERS YES

PARKING AREA:
SEE SITE DIMENSION PLAN, SHEET CE-5 FOR PARKING INFORMATION

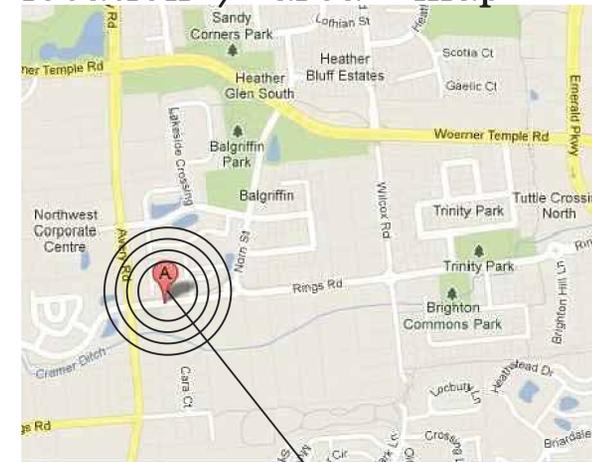
DEVELOPMENT SUMMARY

ZONING: R-2 (EXISTING)
SITE AREA: 13.66 ACRES (EXISTING)
SITE DENSITY: EXISTING
PARKING NUMBER: 199 SPACES INCLUDING 5 HC + 4 VAN ACCESSIBLE SPACES (PER PARKING VARIANCE: 98-032V DATED APRIL 23, 1998)
AREA: EXISTING
FIRE PROTECTION: EXISTING (NFPA 13) - SPRINKLER SYSTEM IS NOT REQUIRED
FLOOD PLAIN ZONE: NOT APPLICABLE

THESE BUILDINGS SHALL COMPLY WITH THE FOLLOWING CODES:
(CODES LISTED ARE NOT NECESSARILY EXHAUSTIVE OF ALL CODED HAVING JURISDICTION)

OHIO BUILDING CODE (OBC) - 2011
OHIO MECHANICAL CODE (OMC) - 2011
OHIO PLUMBING CODE (OPC) - 2011
OHIO FUEL GAS CODE (IFGC) - 2009
N.F.P.A. 12 (APPLICABLE SECTIONS)
N.E.C. 2011

location / area map



project location

index to drawings

COVER SHEET

CIVIL DRAWINGS:
C101 SITE PLAN & DETAILS
C102 SITE LANDSCAPING PLAN
CE-1 TITLE SHEET
CE-2 SURVEY
CE-3 TOPOGRAPHIC SURVEY
CE-4 DEMOLITION PLAN
CE-5 SITE DEMOLITION PLAN
CE-6 GRADING AND DRAINAGE PLAN
CE-7 SITE DETAILS
CE-8 EROSION CONTROL PLAN
CE-9 EROSION CONTROL DETAILS

STRUCTURAL DRAWINGS

S000 GENERAL STRUCTURAL NOTES
S101 FOUNDATION PLAN
S102 ROOF FRAMING PLAN
S201 FOUNDATION DETAILS

ARCHITECTURAL DRAWINGS

A001 ABBREVIATIONS, NOTES, SYMBOLS & WALL TYPES
A001A UL ASSEMBLIES
A001B FIRESTOP PENETRATION ASSEMBLIES
A001C FIRESTOP PENETRATION ASSEMBLIES
A101 OVERALL FRONT ENTRY FLOOR PLAN
A102 FRONT ENTRY ROOF PLAN AND DETAILS
A201 EXTERIOR ELEVATIONS
A202 EXTERIOR ELEVATIONS
A301 ENLARGED FORTE COCHERE FLOOR PLAN
A401 INTERIOR ELEVATIONS AND DETAILS
A402 INTERIOR ELEVATIONS AND DETAILS
A501 BUILDING CROSS SECTION
A502 BUILDING CROSS SECTION
A601 WALL SECTIONS & DETAILS
A602 WALL SECTIONS & DETAILS
A701 DOOR SCHEDULE, ELEVATIONS AND INTERIOR DETAILS
A801 REFLECTED CEILING PLAN
A901 FLOOR FINISH PLAN

PLUMBING DRAWINGS

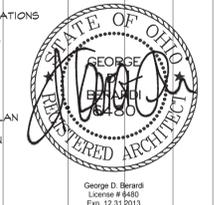
P000 PLUMBING NOTES, SYMBOLS AND ABBREVIATIONS
P0101 PLUMBING DEMOLITION FIRST FLOOR PLAN

MECHANICAL DRAWINGS

M000 MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS
M101 MECHANICAL DEMOLITION FIRST FLOOR PLAN
M101 MECHANICAL ENTRY CANOPY FLOOR PLAN
M301 MECHANICAL SCHEDULES

ELECTRICAL DRAWINGS

E000 ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS
E101 ELECTRICAL DEMOLITION FIRST FLOOR PLAN
E101 ELECTRICAL ENTRY CANOPY FLOOR PLAN
E201 ELECTRICAL RISER DIAGRAM
E401 ELECTRICAL MOUNTING HEIGHTS DETAILS



St. John Lutheran Church
6135 Rings Road
Dublin, Ohio 43016

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NOTE:
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2. THE CONTRACT DOCUMENTS ARE COMPOSED OF THE DRAWINGS AND SPECIFICATIONS AND ANY INSTRUMENTS OF SERVICE. THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED IF THE CONTRACTOR AGREES TO SEPARATE THE DOCUMENTS, THEY DO SO AT THEIR OWN RISK AND EXPENSE.
3. ADDITIONALLY, SEE GENERAL INFORMATION ON "NOT SHEETS".
4. THE CLIENT ACKNOWLEDGES THE CONSULTANT'S (ARCHITECT) DRAWINGS AND SPECIFICATIONS, INCLUDING ALL DOCUMENTS ON ELECTRONIC MEDIA AS INSTRUMENTS OF SERVICE. THE CLIENT SHALL NOT REUSE OR MAKE OR PERMIT TO BE MADE ANY MODIFICATION TO THE DRAWINGS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE CONSULTANT (ARCHITECT). THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST THE CONSULTANT (ARCHITECT) ARISING FROM ANY UNAUTHORIZED TRANSFER, REUSE OR MODIFICATION OF THE DRAWINGS AND SPECIFICATIONS.
5. ARCHITECT CANNOT WARRANT THE ACCURACY OF DATA CONTAINED HEREIN. ANY USE OR REUSE OF ORIGINAL OR ALTERED GOOD DESIGN MATERIALS BY THE USER OR OTHER PARTIES WITHOUT THE REVIEW AND WRITTEN APPROVAL OF THE ARCHITECT SHALL BE AT THE SOLE RISK OF THE USER. FURTHERMORE, USER AGREES TO DEFEND, INDEMNIFY AND HOLD ARCHITECT HARMLESS FROM ALL CLAIMS, INJURIES, DAMAGES, LOSSES, EXPENSES, AND ATTORNEY'S FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.



NOTE:
SPECIAL INSPECTIONS PER SECTION OBC 1705.2, STRUCTURAL FOR FOUNDATION PER OBC SECTION 1704.10, STRUCTURAL STEEL PER OBC SECTION 1704.12.4.3 AND SPRAYED FIRE-RESISTANT MATERIALS PER OBC SECTION 1704.12 TO BE PERFORMED BY CTL ENGINEERING INC. AT OWNERS EXPENSE.

NOTE:
BUILDING ADDRESS SIGNAGE '6135 RINGS ROAD' SHALL BE ADDED TO BUILDING EXTERIOR BRICK VENEER AT ROAD (NORTH) SIDE OF BUILDING PER OWNER. CHARACTERS SHALL BE OF CONTRASTING COLORS AND OF SIZE WHICH IS LEGIBLE FROM ROADWAY, PER WASHINGTON TOWNSHIP FIRE DEPARTMENT REQUEST.

project:

St. John Lutheran Church
6135 Rings Road
Dublin, Ohio 43016

owner:

St. John Lutheran Church
Dublin, Ohio

general contractor:

Thomas & Marker Construction
Construction

architect/engineer:

Berardi + Partners, Inc.
Columbus, Ohio

civil engineer:

Geo-Graphics, Inc.
Columbus, Ohio

structural engineer:

Jezerinac-Geers & Associates
Columbus, Ohio

Construction Set

DATE: 12/06/2012
PROJECT #: 12161
COPYRIGHT: 2012
ISSUE DATE: 05/26/16
REVISIONS:
Permit Comments: 05/14/2013
Permit Comments: 06/06/2013
Permit Comments: 07/02/2013
Value Engineering: 05/27/2016

COVER SHEET

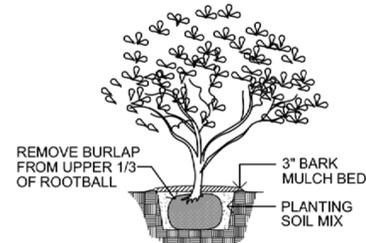
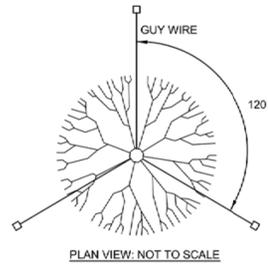
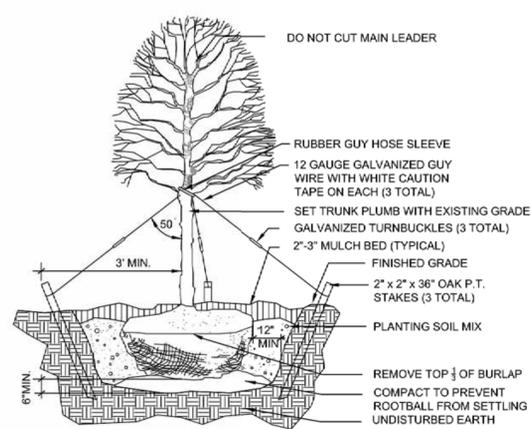
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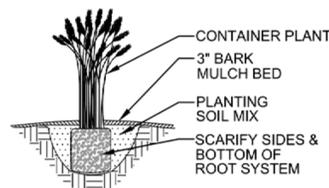
CONSTRUCTION SET 06/03/2016

369 East Livingston Ave. Columbus, Ohio 43215
Phone (614)221-1110 Fax (614)221-0831
www.berardipartners.com

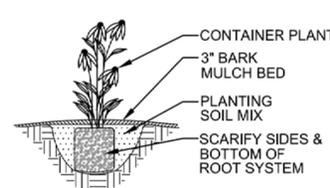
DATE: 06/03/2016
TIME: 10:00 AM
BY: GDB



SHRUB PLANTING
NOT TO SCALE



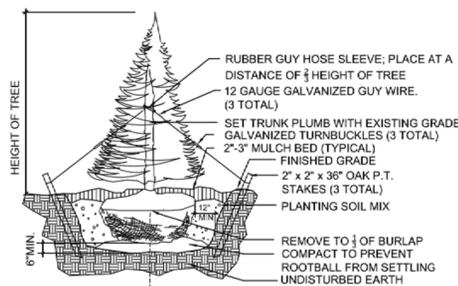
ORNAMENTAL GRASS PLANTING
NOT TO SCALE



PERENNIAL PLANTING
NOT TO SCALE

NOTES:
TOP OF ROOT BALL TO BE 2'-3" ABOVE ADJACENT FINISHED GRADE. REMOVE ALL LABELS, TAGS, OR OTHER FOREIGN MATERIALS FROM LIMBS. REMOVE GUY WIRES, TURNBUCKLES, HOSE AND STAKES 1 YEAR AFTER PLANTING. THE AMOUNT OF PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS DURING TRANSPLANTING. RETAIN NORMAL SHAPE OF TREE. OWNERS REPRESENTATIVE WILL DETERMINE AMOUNT OF PRUNING NECESSARY. PLANT TREES AT SAME GRADE AS GROWN IN THE NURSERY.

DECIDUOUS TREE PLANTING
NOT TO SCALE

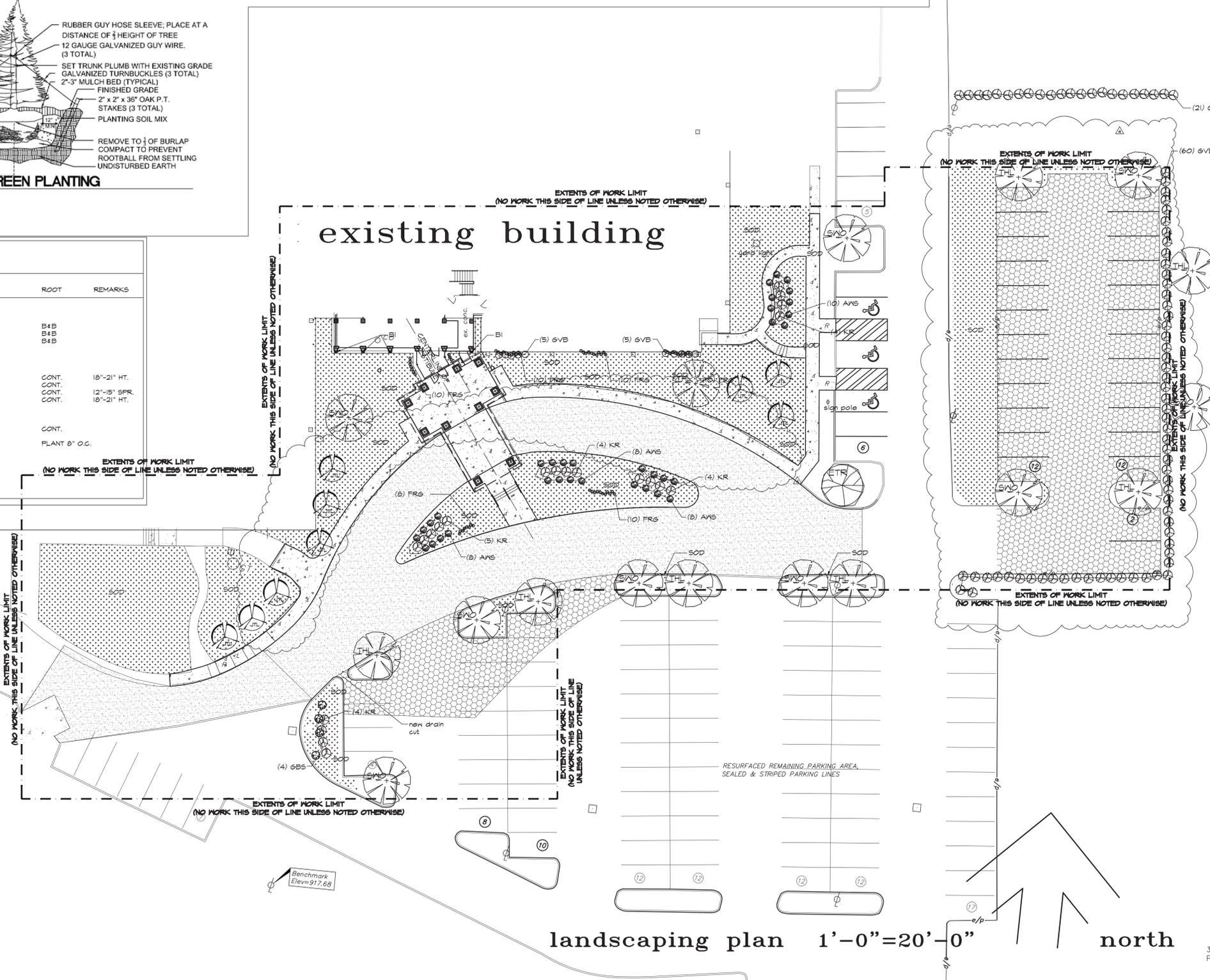


EVERGREEN PLANTING
NOT TO SCALE

landscape plant schedule

KEY	BOTANICAL NAME	PLANT LIST COMMON NAME	SIZE & CON.	ROOT	REMARKS
TREES:					
RSM	NOT USED				
1 TL	SYRINGA RETICULATA	JAPANESE TREE LILAC	2.0' CAL.	B4B	
2 TL	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST'	THORNLESS HONEY LOCUST	2.0' CAL.	B4B	
3 QAO	QUERCUS BICOLOR	SWAMP WHITE OAK	2.0' CAL.	B4B	
ETR	EXISTING TO REMAIN				
SHRUBS:					
34 AWS	SPIREA X BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	#3	CONT.	18"-21" HT.
1 GVB	BUXUS X 'GREEN VELVET'	GREEN VELVET BOXWOOD	#3	CONT.	
0 GBS	PICEA FENSUNG 'GLOBOSA'	GLOBE BLUE SPRUCE	#3	CONT.	12"-15" SPR.
2 KR	ROSA 'KNOCKOUT'	KNOCKOUT ROSE	#3	CONT.	18"-21" HT.
GRASSES & PERENNIALS:					
40 FRG	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	#1	CONT.	
2 BI	PARTHENOCISSUS TRICUSPIDATA	BOSTON IVY	FLAT	PLANT 8" O.C.	
SOD - SEE SPECIFICATIONS					
SEED - SEE SPECIFICATIONS					

- GENERAL NOTES:**
- SHRUBS ARE DROUGHT TOLERANT PLANTINGS AS LISTED IN THE OHIO LANDSCAPE ASSOCIATION LIST AND DROUGHT TOLERANT PLANTS FOR THE LANDSCAPE BY CLARK AND SIMANSON.
 - CONTRACTOR TO PROVIDE GRASS SEED THAT IS DROUGHT TOLERANT - SEE SPECIFICATIONS.
 - INTRODUCE NO INVASIVE PLANTS TO THE SITE.
- GENERAL PLANTING NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
 - ALL SHRUB MASSSES TO BE INCORPORATED BY A CONTINUOUS MULCH BED TO LIMITS SHOWN AND AS SPECIFIED. MULCH BEDS TO HAVE A NEAT, EDGED APPEARANCE.
 - ALL PROPER PRECAUTIONS SO AS NOT TO DISTURB OR DAMAGE SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.
 - ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE FINE GRADED AND SEEDED.
 - ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.
 - THE CONTRACTOR SHALL ENSURE THAT ALL NEARLY PLANTED TREES ARE PERFECTLY ALIGNED AND SET PLUMB WITH PROPER RELATIONSHIP TO THE SURROUNDING GRADE. CONFIRM FINISHED GRADE PRIOR TO PLANTING.
 - ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED. THE SIZE AND GRADING STANDARDS SHALL CONFORM TO THOSE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
 - CONTRACTOR TO PLACE PLANTS TO ENSURE AT PLANT MATURITY THAT ANY PLANT PART IS NOT CLOSER THAN 24" FROM THE BUILDING.
 - TOPSOIL TO BE 4" IN ALL SHRUB AREAS AND 4" DEPTH IN ALL TURF GRASS AREAS AND 4" DEPTH IN SOD AREAS.
 - INTRODUCE NO INVASIVE PLANTS.



St. John Lutheran Church
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Construction Set

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PROJECT #: 12161
COPYRIGHT: 2012
ISSUE DATE: 06/09/16
REVISIONS:
Permit Comments: 05/14/2013
Permit Comments: 06/06/2013
Value Engineering: 05/27/2016

SITE LANDSCAPING PLAN



369 East Livingston Ave. Columbus, Ohio 43215
Phone: (614) 221-1110 Fax: (614) 221-0831
www.berardipartners.com

CITY OF DUBLIN GENERAL NOTES:

1. City of Columbus and Ohio Department of Transportation Construction and Material Specifications, current editions, and any supplements thereto (hereafter referred to as Standard Specifications), shall govern all construction items unless otherwise noted. If a conflict between specifications is found, the more strict specification will apply as decided by the City Engineer. Item Numbers listed refer to City of Columbus Item Numbers unless otherwise noted.

2. The City Engineer will not be responsible for means, methods, procedures, techniques or sequences of construction that are not specified herein. The City Engineer will not be responsible for safety on the work site, or for failure by the Contractor to perform work according to contract documents.

3. The Developer or Contractor shall be responsible to obtain all necessary permits including but not limited to Ohio EPA Permits to Install (PTI) and Notices of Intent (NOI), Building Permits, etc.

4. The Contractor shall notify the City of Dublin Division of Engineering in writing at least 3 working days prior to beginning construction.

5. The Contractor shall be solely responsible for complying with all federal, state and local safety requirements including the Occupational Safety and Health Act of 1970. The Contractor shall exercise precaution always for the protection of persons (including employees) and property. It shall also be the sole responsibility of the Contractor to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work, including the requirements for confined spaces per 29 CFR 1910.146.

6. Following completion of construction of the site improvements and before requesting occupancy, a proof survey shall be provided to the Division of Engineering that documents "as-built" elevations, dimensions, slopes and alignments of all elements of this project. The proof survey shall be prepared, signed and submitted by the Professional Engineer who sealed the construction drawings.

7. Deleted.

8. The Contractor shall carefully preserve benchmarks, property corners, reference points, stakes and other survey reference monuments or markers. In cases of willful or careless destruction, the Contractor shall be responsible for restorations. Resetting of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer.

9. Non-rubber tired vehicles shall not be moved on or across public streets or highways without the written permission of the City Engineer.

10. The Contractor shall restore all disturbed areas to equal or better condition than existed before construction. Drainage ditches or watercourses that are disturbed by construction shall be restored to the grades and cross-sections that existed before construction.

11. Tracking or spilling mud, dirt or debris upon streets, residential or commercial drives, sidewalks or bike paths is prohibited according to Section 97.35 of the Dublin Code of Ordinances. Any such occurrence shall be cleaned up immediately by the Contractor at no cost to the City. If the Contractor fails to remove said mud, dirt, debris, or spillage, the City reserves the right to remove these materials and clean affected areas, the cost of which shall be the responsibility of the Contractor.

12. Disposal of excess excavation within Special Flood Hazard Areas (100-year floodplain) is not permitted.

13. All signs, landscaping, structures or other appurtenances within right of way disturbed or damaged during construction shall be replaced or repaired to the satisfaction of the City Engineer. The cost of this work shall be the responsibility of the Contractor.

14. All field tile broken or encountered during excavation shall be replaced or repaired and connected to the public storm sewer system as directed by the City Engineer. The cost of this work shall be the responsibility of the Contractor.

15. All precast concrete products shall be inspected at the location of manufacture. Approved precast concrete products will be stamped or have such identification noting that inspection has been conducted by the City of Columbus. Precast concrete products without proof of inspection shall not be approved for installation.

16. Backfill within a 1:1 influence line of existing structures (houses, garages, etc.) or public infrastructure (pavement, curbs, sidewalks, bike paths, etc.) shall be compacted granular backfill according to Item 912 of the Standard Specifications or Flowable CDF, Type III according to Item 636. Item 911 of the Standard Specifications shall be used elsewhere.

17. The Contractor shall submit a copy of the approved construction drawings and a list of proposed precast concrete product manufacturers to the City of Columbus Construction Inspection Division before commencing construction.

Send the information to the following address:

Construction Inspection Division
City of Columbus
1800 East 17th Avenue
Columbus, Ohio 43219

Send a copy of the transmittal letter to the following address:

Division of Engineering
City of Dublin
5800 Shier Rings Road
Dublin, Ohio 43016

18. Deleted.

19. All trees within the construction area not specifically designated for removal shall be preserved, whether shown or not shown on the approved construction drawings. Trees to be preserved shall be protected with high visibility fencing placed a minimum 15 feet from the tree trunk. Trees 6 inches or greater at DBH (Diameter Breast Height) must be protected with fencing placed at the critical root zone or 15 feet, whichever is greater. Trees not indicated on the approved construction drawings for removal may not be removed without prior approval of the Division of Engineering.

20, 21. Deleted.

22. Pavements shall be cut in neat, straight lines the full depth of the existing pavement, or as required by the City Engineer. Pavement replacement shall be conducted according to City of Columbus Standard Drawing 1441 Dr. A and applicable City of Dublin standard drawings. The replacement of driveways, handicapped ramps, sidewalks, bike paths, parking lot pavement, etc. shall be provided according to the approved construction drawings and City of Dublin standard construction drawings.

23. Tree trimming within the construction zone is to be completed by a certified Arborist. At the completion of the project, the Arborist is to return and trim any broken branches as needed.

24. Any modification to the work shown on drawings must have prior written approval by the City Engineer, City of Dublin.

25-28. Deleted



800-362-2764 or 811
www.oups.org

UTILITIES:

1. The following utilities are known to be located within the limits of this project:

Gas Service:
Columbia Gas of Ohio, Inc.
920 West Goodale Boulevard
Columbus, Ohio 43212
614-460-2093

Electric Service:
Columbus Southern Power
215 North Front Street
Columbus, Ohio 43215
614-223-1000

Telephone Service:
Ohio Bell Telephone
150 East Gay Street
Columbus, Ohio 43215
614-223-4911

Water Service:
City of Dublin
5800 Shier-Rings Road
Dublin, Ohio 43016
614-410-4657

Storm Sewer & Sanitary Sewer:
City of Dublin
5800 Shier-Rings Road
Dublin, Ohio 43016
614-410-4657

Building Regulations:
City of Dublin
5800 Shier-Rings Road
Dublin, Ohio 43016
614-410-4608

Streets & Utilities:
City of Dublin
6555 Shier-Rings Road
Dublin, Ohio 43016
614-410-4750

2. The Contractor shall give notice of intent to construct to Ohio Utilities Protection Service (800-362-2764), Producer's Underground Protection Service (614-587-0486), and to owners of underground utilities that are not members of a registered underground protection service. Notice shall be given at least 2 working days before start of construction.

3. The identity and locations of existing underground utilities in the construction area have been shown on the approved construction drawings as accurately as provided by the owner of the underground utility. The City of Dublin and the City Engineer assumes no responsibility for the accuracy or depths of underground facilities shown on the approved construction drawings. If damage is caused, the Contractor shall be responsible for repair of the same and for any resulting contingent damage.

4. Location, support, protection and restoration of all existing utilities and appurtenances, whether shown or not shown on the approved construction drawings, shall be the responsibility of the Contractor.

5. When unknown or incorrectly located underground utilities are encountered during construction, the Contractor shall immediately notify the owner and the City Engineer.

6. Deleted.

EROSION AND SEDIMENT CONTROL:

1. Deleted.

2. The Contractor shall provide sediment control at all points where storm water runoff leaves the project, including waterways, overland sheet flow, and storm sewers.

3. Acceptable methods of providing erosion/sediment control include but are not limited to: sediment basins, silt filter fence, aggregate check dams, and temporary ground cover. Hay or straw bales are not permitted.

4. The Contractor shall provide adequate drainage of the work area at all times consistent with erosion control practices.

5. Disturbed areas that will remain unworked for 30 days or more shall be seeded or protected within seven calendar days of the disturbance. Other sediment controls that are installed shall be maintained until vegetative growth has been established. The Contractor shall be responsible for the removal of all temporary sediment devices at the conclusion of construction but not before growth of permanent ground cover.

BLASTING (If Permitted):

1. The Contractor must obtain a blasting permit from Washington Township Fire Department prior to blasting for rock excavation. The Contractor shall submit blasting reports upon completion of blasting to the City Engineer, the Owner, and the Owner's engineer. Top of rock elevations shall be shown on "as-built" construction drawings.

STORM SEWER:

1. All storm water detention and retention areas and major flood routing swales shall be constructed to finish grade and hydro-seeded and hydro-mulched according to Items 203 and 659 of the standard Specifications.

2. Deleted.

3. Granular backfill shall be compacted granular material according to Item 912 of the Standard Specifications or Controlled Density Backfill according to Item 636, Type III of the Standard Specifications as directed by the City Engineer.

4. All storm sewers shall be Reinforced Concrete Pipe conforming to ASTM Designation C76, Wall B, Class IV for pipe diameters 12 inches to 15 inches, Class III for 18 inches to 24 inch pipes, and 27 inches and larger pipe shall be Class II, unless otherwise shown on the approved construction drawings.

5. Headwalls and endwalls shall be required at all storm sewer inlets or outlets to and from stormwater management facilities. Natural stone and/or brick approved by the City Engineer shall be provided on all visible headwalls and/or endwalls surfaces.

USE OF FIRE HYDRANTS:

1. The Contractor shall make proper arrangements with the Dublin Service Department and the Columbus Division of Water for the use of fire hydrants when used for work performed under this contract and provide the City of Dublin a copy of the Hydrant Usage Permit obtained from the City of Columbus. The Contractor shall also send copies of permits obtained from Dublin and Columbus to the Washington and/or Perry Township Fire Department. Permits shall be kept at the construction site at all times.

2. Before the final estimate is paid, the Contractor shall submit a letter from the City of Columbus Division of Water to the City Engineer stating the Contractor has returned the Siamese Valve to the City of Columbus and has paid all costs arising from the use of the fire hydrants.

TRAFFIC CONTROL

1.-5. Deleted.

SANITARY SEWERS

1.-20. Deleted.

WATERLINE

1.-17. Deleted.

MAIL DELIVERY

1.-2. Deleted.

DEVELOPER SURVEY NOTES:

Basis of Bearings: The centerline of Rings Road was assigned a bearing of North 83°56'14" East, as shown on Franklin County Engineer Centerline Survey Plat, Rings Rd., Co. Rd. #33, Avery Rd. to Wilcox Rd.

All linear dimensions shown are in feet and decimal parts thereof.

This drawing does NOT reflect an actual boundary survey of the premises. Boundary dimensions shown are based on Site Dimension Plan prepared by Civil Engineering Associates, and legal description included on Site Dimension Plan. Closure error of dimensions on site plan ±1.2'. The site consists of three tax parcels: Parcel # 274-000031 was obtained by D.B. 323, Pg. 327 and D.B. 431, Pg. 187; Parcel # 274-000036 was obtained by D.B. 2994, Pg. 200; and Parcel # 273-005580 was obtained by D.B. 3500, Pg. 887.

Total site area: 13.184 Acres using the above described boundary lines, less 0.499 acre R/W parcel to the City of Dublin (Instr. No. 199806090141779). Franklin County Auditor's Tax Acreage: 13.749 Acres.

Current City of Dublin Zoning Classification: R-2 (Limited Suburban Residential District)

Source Benchmark: Franklin County Survey Control Monument FC03 2229: "Aluminum cap in concrete monument, at the centerline intersection of Avery Road & Rings Road East" Elev=922.71 (NAVD 88 Datum).

Site Benchmark: A pk nail set in the north side of a light pole located approximately 500 feet east of the centerline of Avery Road & 360 feet south of the centerline of Rings Road was assigned an elevation of 917.68 (NAVD 88 Datum), as determined by a differential level loop run from the source benchmark listed above.

According to the Federal Emergency Management Agency's Flood Insurance Rate Map Number 39049 C 0133 K and 39049 C 0134 K (effective date: June 17, 2008), the parcel surveyed and shown hereon lies partly within Zone "X" (areas determined to be outside of the 0.2% annual chance floodplain), partly within Zone "X-shaded" (areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood), partly within Zone "AE" (base flood elevations determined), and partly within the Floodway within Zone "AE" (the floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights). Flood zone limits are shown based on Franklin County GIS.

The utilities and services shown hereon were located based on observable field evidence and utility records supplied by the client. Underground lines were NOT physically located. Gas service to building was only underground utility marked in field at time of survey.

Field Location of Underground Utilities
1-800-362-2764

OUPS Reference Number(s): B231000513 & B231000516.

DEVELOPER GENERAL NOTES:

The Contractor Shall:

- Maintain a height of six (6) inches between the top of the proposed curb and the pavement surface.
- Verify the exact location and depth of existing utilities prior to construction.
- Insure positive drainage.
- Perform all work in accordance with all applicable local, state, and national codes; and shall comply with the requirements of all utility/service company providers.
- Secure all necessary permits, approvals, and inspections, prior to, during, and upon completion of construction.
- Be responsible for coordination with the utility/service companies listed to bring the specified service to the site and to obtain and/or make all necessary taps and/or service connections.
- Fill all planters/islands to top of curb or walk level with clean topsoil.
- Use compacted granular backfill for all utility service excavations located under proposed paved areas.

Verification of existing site topography, including location and elevation of existing utilities, drainage structures, and control points is the responsibility of the contractor and/or his staking consultant and is to be performed prior to any excavation.

Proposed spot elevations are top of pavement and are shown underlined. Add 0.50' for top of curb or walk elevation unless otherwise indicated. Where necessary, top of walk elevations have been shown followed by the designation tw.

All radius and pavement dimensions shown are referenced to the face of curb or to edge of pavement where no curb is provided.

All curb radii to be 3.0' to face of curb unless shown otherwise.

Where edge of sidewalk is exposed to traffic, sidewalk may be formed as one unit with concrete thickened to a minimum of 16 inches on traffic side.

All concrete walks shown are to be 4 inches thick.

All proposed concrete curbing shown is to be 6"x18" standing curb (see detail on sheet CE-7).

All concrete pads and concrete paving shown shall be minimum 7 inches thick with wire mesh reinforcement.

Proposed minimum pavement composition, see geotechnical report for additional specifications.

LIGHT DUTY: Parking space paving to consist of:
1-1/4 inches of fine asphalt (surface wearing course), Item 448
2 inches of coarse asphalt (intermediate course), Item 448
6 inches of aggregate base (base), Item 304

HEAVY DUTY: Drive aisle paving to consist of:
1-1/2 inches of fine asphalt (surface wearing course), Item 448
2-1/2 inches of coarse asphalt (intermediate course), Item 448
8 inches of aggregate base (base), Item 304

All regular painted parking space lines to provide 9 feet (center to center) width (except as otherwise shown).

Handicap spaces as dimensioned. All accessible parking spaces are to be marked with appropriate signage to comply with current ADA guidelines.

The existing detention area was previously designed to meet a required storage capacity of 15,413 c.f. at a spillway elevation of 916.0.

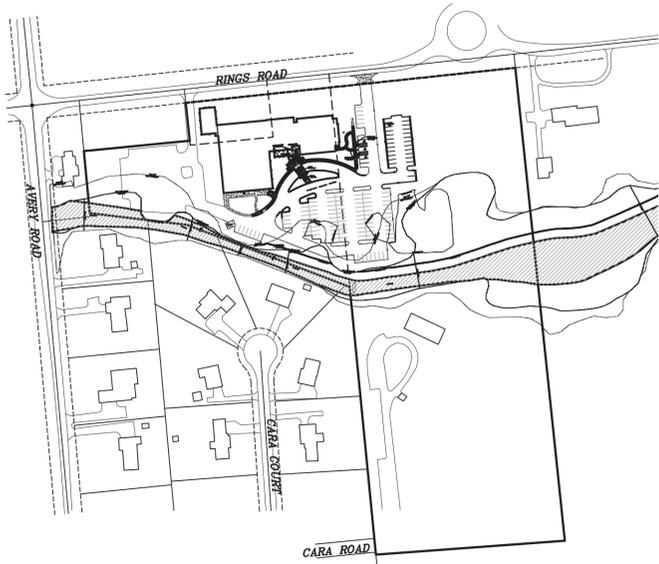
The proposed grading improvements to the existing detention area will provide a storage capacity of 16,822 c.f. at a spillway elevation of 916.0.

10-year critical storm as determined by original design plan performed by CEA dated 5-29-88.

AS-BUILTS of the site, utilities and stormwater management facility(ies) will be required prior to obtaining occupancy for the building.

ST. JOHN LUTHERAN CHURCH

6135 RINGS ROAD
DUBLIN, OHIO
2013



INDEX MAP
1"=200'

SHEET INDEX

TITLE SHEET.....	CE-1
SURVEY.....	CE-2
TOPOGRAPHIC SURVEY.....	CE-3
DEMOLITION PLAN.....	CE-4
SITE DIMENSION PLAN.....	CE-5
UTILITY, GRADING & DRAINAGE PLAN.....	CE-6
SITE DETAILS.....	CE-7
SITE DETAILS.....	CE-7a
EROSION CONTROL PLAN.....	CE-8
EROSION CONTROL DETAILS.....	CE-9

STANDARD DRAWINGS

The City of Columbus Standard Construction Drawings (AA-S###), listed below shall be considered a part of this plan.

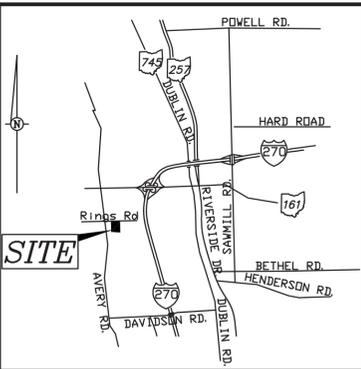
AA-S149
AA-S150
AA-S161
AA-S168
STD. DWG 2222



GEORGE W. SCHWEITZER
OHIO PROFESSIONAL ENGINEER No. 53903

DATE

Geo-Graphics, Inc.
Land Surveying & Civil Engineering
3331 Livingston Avenue Columbus, Ohio 43227
Phone: 614-231-2016 Fax: 614-231-2018



LOCATION MAP
No Scale

Permit Set

DATE: 12/06/2012
PROJECT #: 12161
COPYRIGHT: 2012
ISSUE DATE: 06/07/16
REVISIONS:

St. John Lutheran Church

6135 Rings Road
Dublin, Ohio 43016
Phone: (614) 889-2284

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DEVELOPMENT SUMMARY:

Disturbed Area..... 47,940 s.f. (1.10 Acre)
Existing Greenspace within Disturbed Area..... 20,258 s.f. (0.47 Acre)
Proposed Greenspace within Disturbed Area..... 9,306 s.f. (0.21 Acre)
This building addition and paving modifications will result in a loss of 10,952 s.f. (0.25 Acre) of greenspace.

PARKING SUMMARY:

See Site Dimension Plan, sheet CE-5

Signatures below signify only concurrence with the general purposes and general location of the project and does not constitute assurance to operate as intended. All technical details remain the responsibility of the Professional Civil Engineer preparing the Plans.

CITY ENGINEER, DATE
CITY OF DUBLIN, OHIO

DIRECTOR OF LAND USE & LONG RANGE PLANNING DATE
CITY OF DUBLIN, OHIO

Revision(s):

- 1. Zoning note revised.
- 2. Relocate proposed sidewalk, reduce width of stairs & concrete apron, realign roof drain collector lines.



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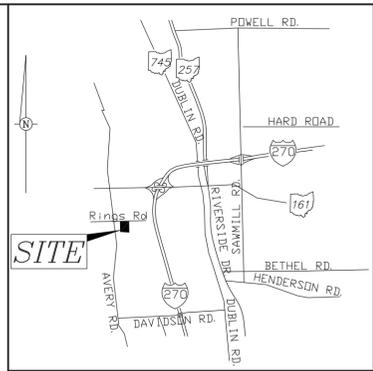
4 Date: 06-07-16
3 Date: 09-03-13
2 Date: 06-25-13
1 Date: 05-28-13
Date: 04-28-13

TITLE SHEET

SHEET
CE-1

**SURVEY FOR
ST. JOHN LUTHERAN CHURCH**

SITUATED IN AND BEING PART OF
VIRGINIA MILITARY SURVEY NO. 3004
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO



LOCATION MAP
No Scale

Permit Set
St. John Lutheran Church
6135 Rings Road
Dublin, Ohio 43016

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REVISIONS:

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Revision(s):
3 Zoning note revised.

SURVEY NOTES:

Basis of Bearings: The centerline of Rings Road was assigned a bearing of North 83°56'14" East, as shown on Franklin County Engineer Centerline Survey Plat, Rings Rd., Co. Rd. #33, Avery Rd. to Wilcox Rd.

All linear dimensions shown are in feet and decimal parts thereof.

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Title information was not researched and was not provided.

Total site area: 13.184 Acres using the above described boundary lines, less 0.499 acre R/W parcel to the City of Dublin (Instr. No. 199806090141779). Franklin County Auditor's Tax Acreage: 13.749 Acres.

3 Current City of Dublin Zoning Classification: R-2 (Limited Suburban Residential District)

Source Benchmark: Franklin County Survey Control Monument FCGS 2229: "Aluminum cap in concrete monument, at the centerline intersection of Avery Road & Rings Road East" Elev=922.71 (NAVD 88 Datum).

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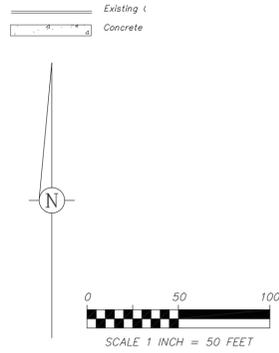
The utilities and services shown hereon were located based on observable field evidence and utility records supplied by the client. Underground lines were NOT physically located. Gas service to building was only underground utility marked in field at time of survey.

Field Location of Underground Utilities
1-800-362-2764

OUPS Reference Number(s): B231000513 & B231000516.

LEGEND

- Monument Box
- 3/4" Iron Pipe (Found/Set)
- PK Nail (Found/Set)
- ▲ Railroad Spike (Found/Set)
- Rebar (Found/Set)
- Existing Concrete



KEVIN BEECHY
OHIO PROFESSIONAL SURVEYOR No. 7891

DATE

Geo-Graphics, Inc.
Land Surveying & Civil Engineering
3331 Livingston Avenue Columbus, Ohio 43227
Phone: 614-231-2016 Fax: 614-231-2018



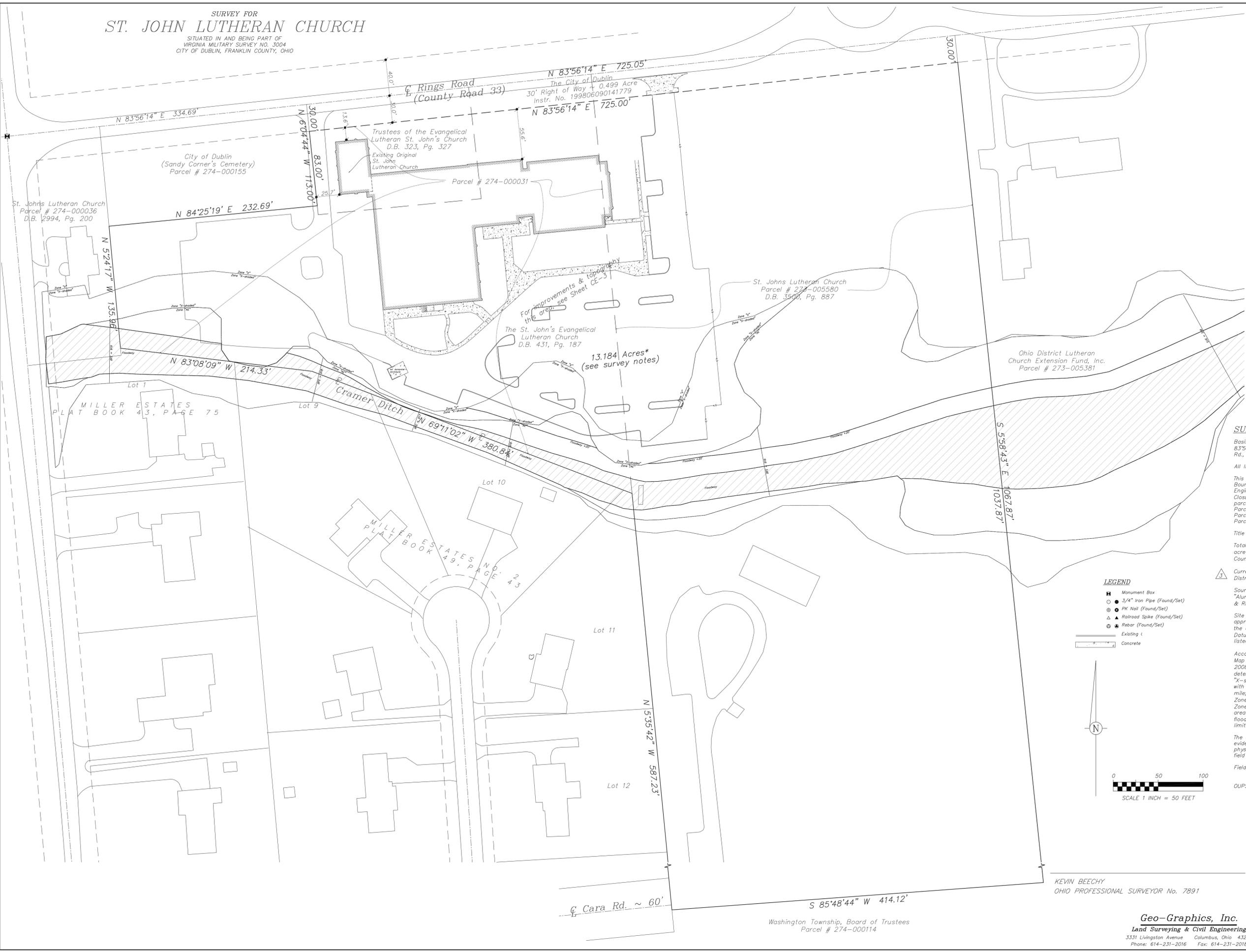
369 East Livingston Ave. Columbus, Ohio 43215
Phone (614)221-1110 Fax (614)221-0831
www.berardiplus.com

Date: 09-03-13
Date: 06-25-13
Date: 05-28-13
Date: 04-29-13

SURVEY

SHEET
CE-2

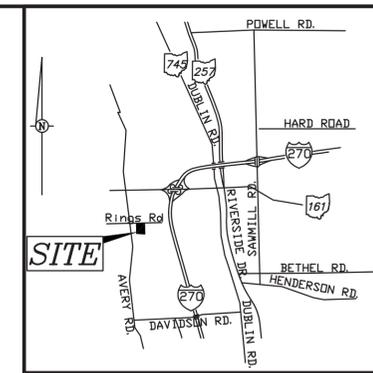
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Washington Township, Board of Trustees
Parcel # 274-000114

TOPOGRAPHIC SURVEY FOR
ST. JOHN LUTHERAN CHURCH

SITUATED IN AND BEING PART OF
VIRGINIA MILITARY SURVEY NO. 3004
CITY OF DUBLIN, FRANKLIN COUNTY, OHIO



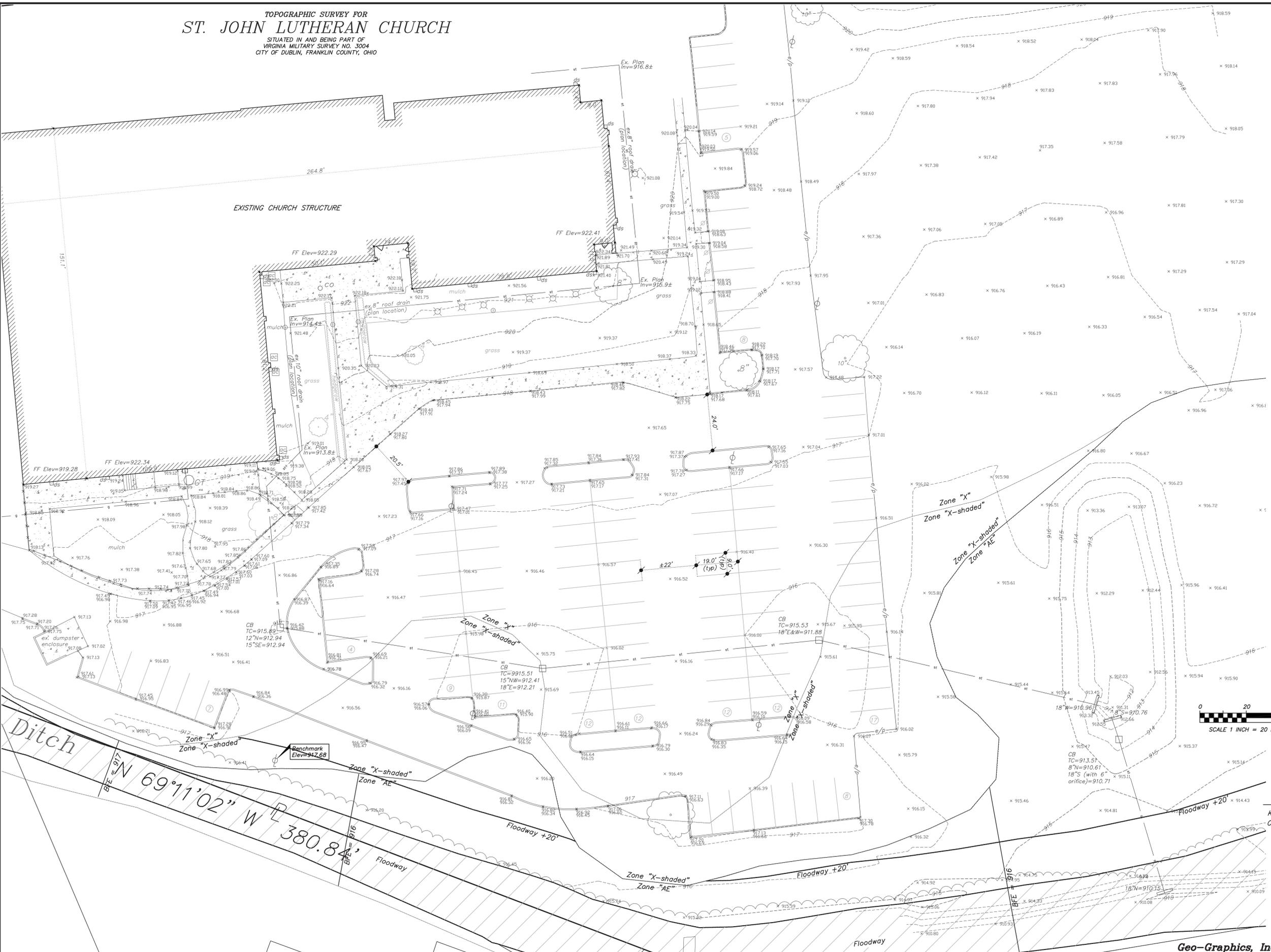
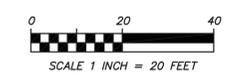
Permit Set
St. John Lutheran Church
6135 Rings Road
Dublin, Ohio 43016

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PROJECT #: 12161
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ISSUE DATE: 09/04/13
REVISIONS:

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LEGEND

- Monument Box
- 3/4" Iron Pipe (Found/Set)
- ⊙ PK Nail (Found/Set)
- ▲ Railroad Spike (Found/Set)
- ⊕ Rebar (Found/Set)
- CB Catch Basin or Curb Inlet
- CG Curb & Gutter Inlet or Gutter Inlet
- SM Sewer Manhole or Grease Trap
- CO Sewer Cleanout
- ⊕ Fire Hydrant
- ⊕ Water Valve
- ⊕ Gas Valve
- ⊕ Gas Marker
- ⊕ Gas Meter
- ⊕ Yardlight
- ⊕ Light Pole
- ⊕ Utility Pole
- ⊕ Traffic Control Pedestal
- ⊕ Telephone Pedestal
- ⊕ Cable TV Pedestal
- ⊕ Electric Pedestal
- ⊕ Air Conditioning Unit
- ⊕ Pad-Mounted Transformer
- ⊕ Sign Pole
- ⊕ Bollard
- ⊕ Monitoring Well
- ⊕ Fuel Tank Lid
- ⊕ Irrigation Control Box
- ⊕ Number of Parking Spaces
- ohe Overhead Electric Line
- uge Underground Electric Line
- oht Overhead Telephone Line
- ugt Underground Telephone Line
- st Storm Sewer Line
- san Sanitary Sewer Line
- fence Fence Line
- guardrail Guardrail
- curb Existing Curb
- concrete Concrete
- x 917.30 Existing Spot Elevation
- - - 921 Existing Ground Contour



KEVIN BEECHY
OHIO PROFESSIONAL SURVEYOR No. 7891



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Phone: 614-231-2016 Fax: 614-231-2018



TOPOGRAPHIC SURVEY

Date: 06-25-13
Date: 05-28-13
Date: 04-29-13

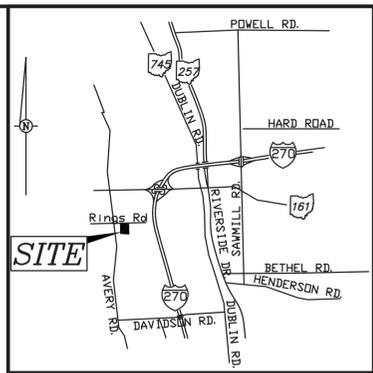
SHEET
CE-3

DEMOLITION PLAN FOR
ST. JOHN LUTHERAN CHURCH

DEMOLITION NOTES:

- 1 Contractor verify location, depth, and size of ex. sanitary sewer service.
- 2 Existing tree and shrubs to be removed.
- 3 Existing trees and shrubs to be protected during construction (see detail, sheet CE-9).
- 4 Existing concrete curb, concrete sidewalk and pavement to be removed. Existing pavement shall be saw-cut.
- 5 Existing yard light to be relocated / removed.
- 6 Existing plastic picket fence to be removed and replaced.
- 7 Approximately 155 LF of existing roof drain collector line to remain. Expose, cut & cap upstream end at location shown.
- 8 Approximately 40 LF of existing roof drain collector line to be removed. Upstream roof drain collector line (to remain) to be reconnected to downstream line per design shown on CE-5 and CE-6.
- 9 Irrigation control valve to be relocated and system modified. See landscape plan (Sheet LS-1) for details.
- 10 Existing pavement to be sealed and restriped as shown on sheet CE-5.
- 11 Visitor Parking sign to be removed (4 typ).

Asphalt removed may be shred and reused as base material.
NOTE: All demolition material to be hauled to appropriate off site location.



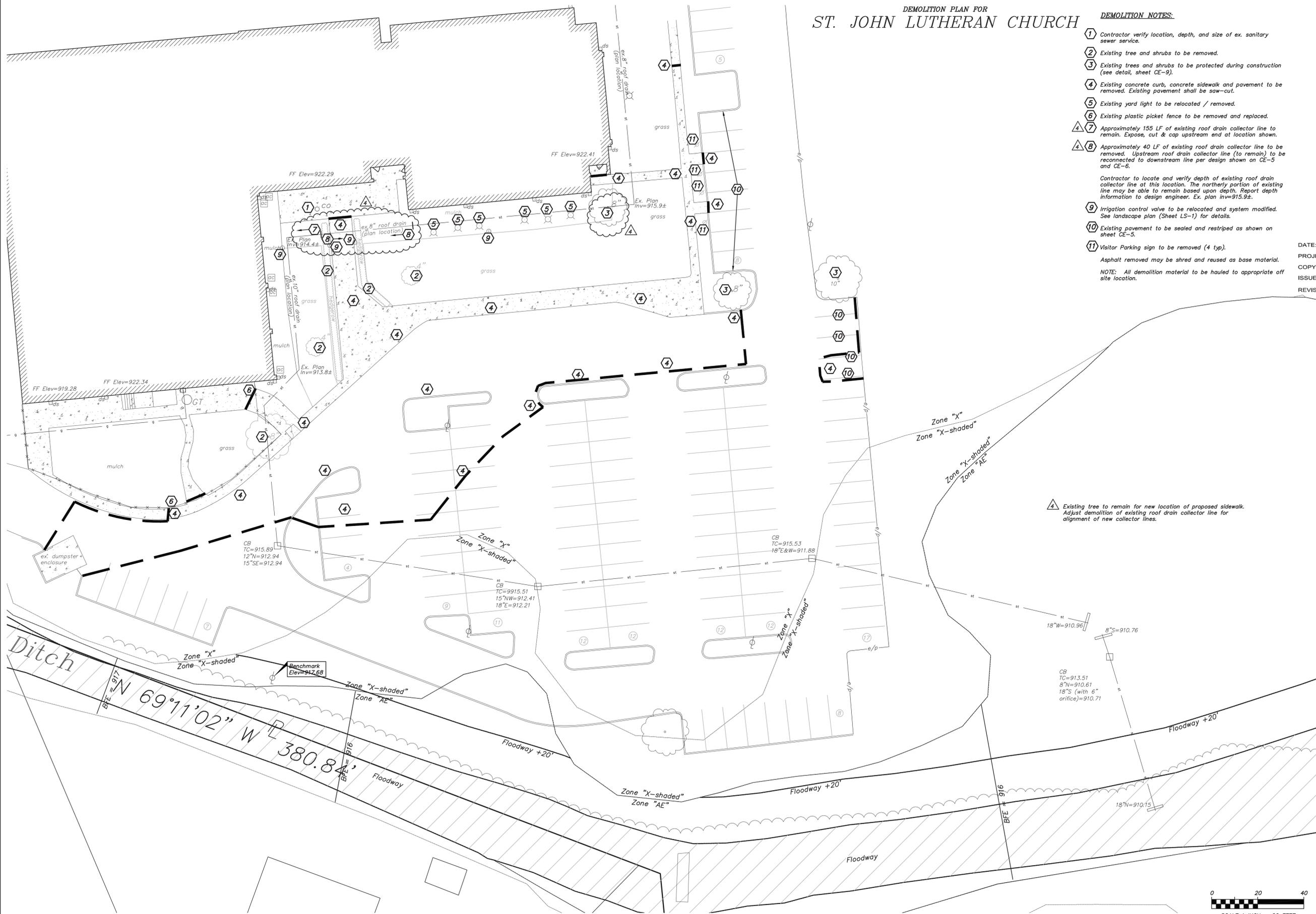
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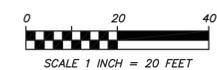
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LEGEND

- Monument Box
- 3/4" Iron Pipe (Found/Set)
- PK Nail (Found/Set)
- ▲ Railroad Spike (Found/Set)
- ⊙ Rebar (Found/Set)
- CB Catch Basin or Curb Inlet
- CO Curb & Gutter Inlet or Gutter Inlet
- MH Sewer Manhole or Grease Trap
- CO Sewer Cleanout
- ◇ Fire Hydrant
- ⊗ Water Valve
- ⊗ Gas Valve
- ⊗ Gas Marker
- ⊗ Gas Meter
- ⊗ Yardlight
- ⊗ Light Pole
- ⊗ Utility Pole
- ⊗ Traffic Control Pedestal
- ⊗ Telephone Pedestal
- ⊗ Cable TV Pedestal
- ⊗ Electric Pedestal
- ⊗ Air Conditioning Unit
- ⊗ Pad-Mounted Transformer
- ⊗ Sign Pole
- Ballard
- Monitoring Well
- Fuel Tank Lid
- Irrigation Control Box
- Number of Parking Spaces
- ohe Overhead Electric Line
- uge Underground Electric Line
- oht Overhead Telephone Line
- ugt Underground Telephone Line
- st Storm Sewer Line
- ss Sanitary Sewer Line
- Fence Line
- Guardrail
- Existing Curb
- Concrete
- x 917.30 Existing Spot Elevation
- - - 921- Existing Ground Contour



▲ Existing tree to remain for new location of proposed sidewalk. Adjust demolition of existing roof drain collector line for alignment of new collector lines.



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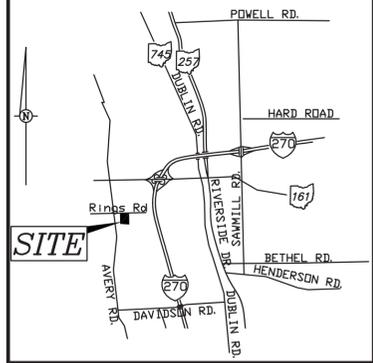
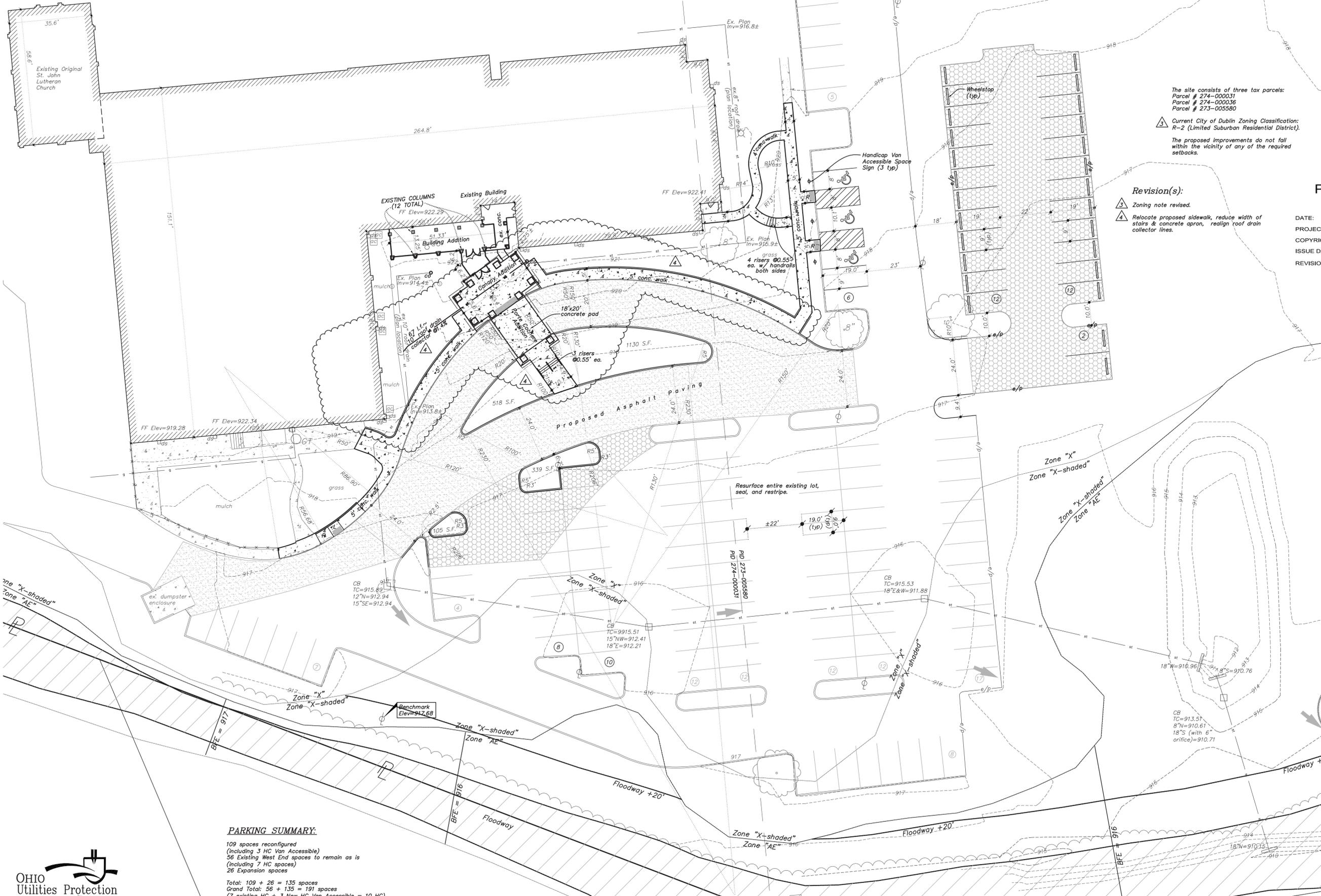
▲ Date: 06-07-16
▲ Date: 06-25-13
▲ Date: 05-28-13
▲ Date: 04-29-13

DEMOLITION PLAN

SHEET CE-4

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SITE DIMENSION PLAN FOR
ST. JOHN LUTHERAN CHURCH



Permit Set
St. John Lutheran Church
 6135 Rings Road
 Dublin, Ohio 43016

DATE: 12/06/2012
 PROJECT #: 12161
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 ISSUE DATE: 09/04/13
 REVISIONS:

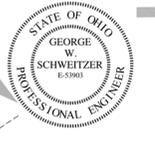
The site consists of three tax parcels:
 Parcel # 274-000031
 Parcel # 274-000036
 Parcel # 273-005580

Current City of Dublin Zoning Classification:
 R-2 (Limited Suburban Residential District).

The proposed improvements do not fall within the vicinity of any of the required setbacks.

Revision(s):
 Zoning note revised.
 Relocate proposed sidewalk, reduce width of stairs & concrete apron, realign roof drain collector lines.

- LEGEND**
- Monument Box
 - 3/4" Iron Pipe (Found/Set)
 - PK Nail (Found/Set)
 - Railroad Spike (Found/Set)
 - Rebar (Found/Set)
 - Catch Basin or Curb Inlet
 - Curb & Gutter Inlet or Gutter Inlet
 - Sewer Manhole or Grease Trap
 - Sewer Cleanout
 - Fire Hydrant
 - Water Valve
 - Gas Valve
 - Gas Marker
 - Gas Meter
 - Yardlight
 - Light Pole
 - Utility Pole
 - Irrigation Control Box
 - Number of Parking Spaces
 - Overhead Electric Line
 - Underground Electric Line
 - Overhead Telephone Line
 - Underground Telephone Line
 - Storm Sewer Line
 - Sanitary Sewer Line
 - Fence Line
 - Guardrail
 - Existing Curb
 - Proposed Curb
 - Concrete
 - Existing Spot Elevation
 - Existing Ground Contour
 - Proposed Sidewalk Ramp
 - Concrete
 - Light Duty Pavement
 - Heavy Duty Pavement
 - Detectable Warning



GEORGE W. SCHWEITZER
 OHIO PROFESSIONAL ENGINEER No. 53903

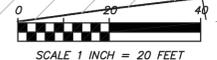
PARKING SUMMARY:

109 spaces reconfigured
 (including 3 HC Van Accessible)
 56 Existing West End spaces to remain as is
 (including 7 HC spaces)
 26 Expansion spaces

Total: 109 + 26 = 135 spaces
 Grand Total: 56 + 135 = 191 spaces
 (7 existing HC + 3 New HC Van Accessible = 10 HC)



Geo-Graphics, Inc.
 Land Surveying & Civil Engineering
 3331 Livingston Avenue Columbus, Ohio 43227
 Phone: 614-231-2016 Fax: 614-231-2018

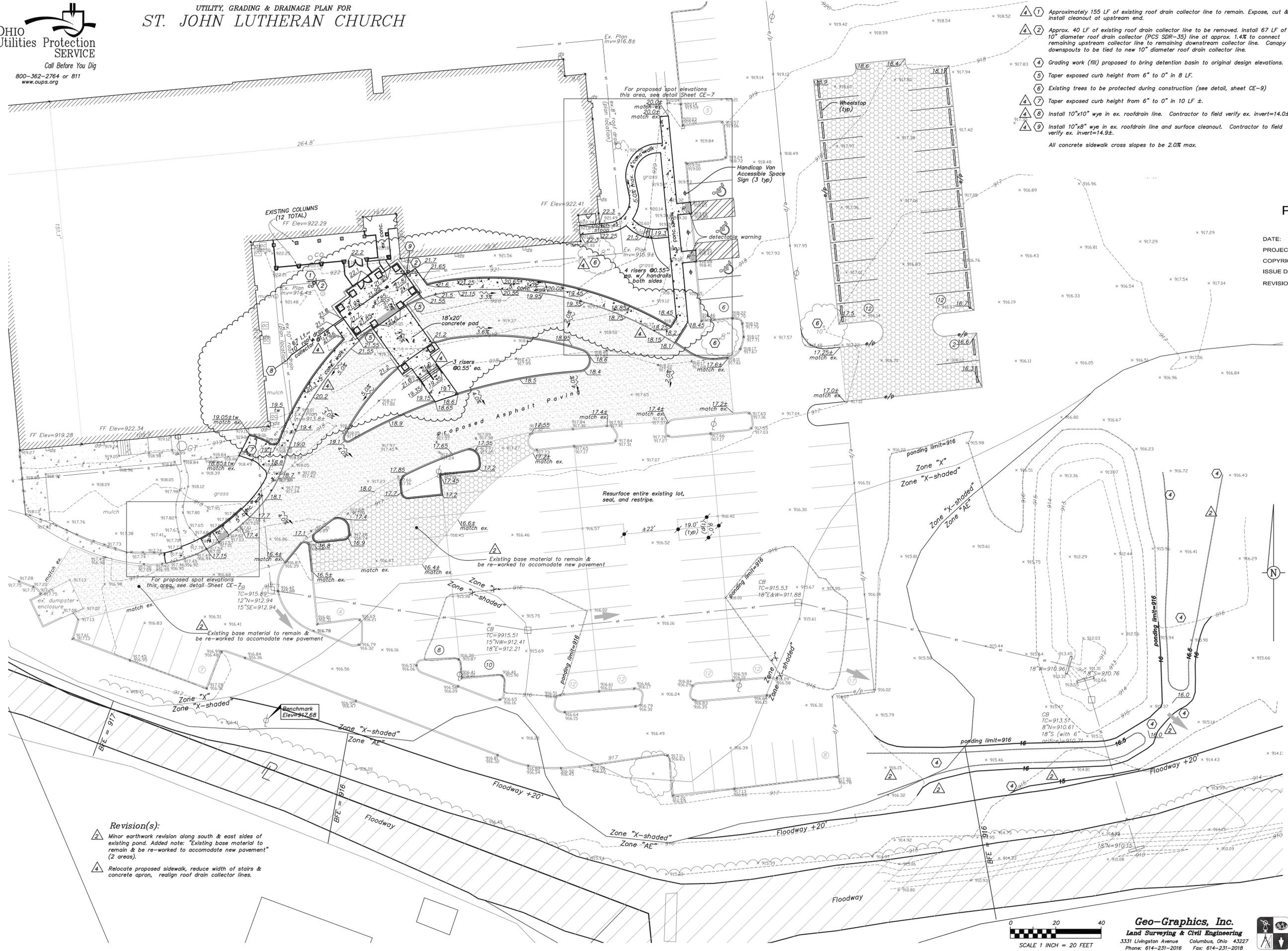


SITE DIMENSION PLAN

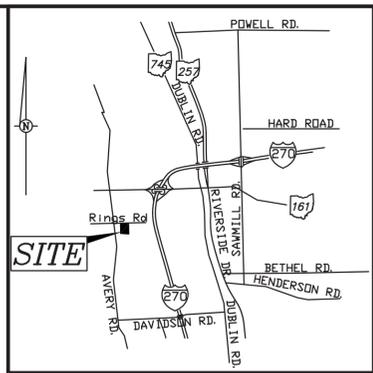
Date: 06-07-16
 Date: 09-03-13
 Date: 06-25-13
 Date: 05-28-13
 Date: 04-28-13

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UTILITY, GRADING & DRAINAGE PLAN FOR
ST. JOHN LUTHERAN CHURCH



- ① Approximately 155 LF of existing roof drain collector line to remain. Expose, cut & install cleanout at upstream end.
 - ② Approx. 40 LF of existing roof drain collector line to be removed. Install 67 LF of 10" diameter roof drain collector (FGS SDR-35) line at approx. 1.4% to connect remaining upstream collector line to remaining downstream collector line. Canopy downspouts to be tied to new 10" diameter roof drain collector line.
 - ④ Grading work (fill) proposed to bring detention basin to original design elevations.
 - ⑤ Taper exposed curb height from 6" to 0" in 8 LF.
 - ⑥ Existing trees to be protected during construction (see detail, sheet CE-9)
 - ⑦ Taper exposed curb height from 6" to 0" in 10 LF ±.
 - ⑧ Install 10"x10" wye in ex. roofdrain line. Contractor to field verify ex. invert=14.0±.
 - ⑨ Install 10"x8" wye in ex. roofdrain line and surface cleanout. Contractor to field verify ex. invert=14.9±.
- All concrete sidewalk cross slopes to be 2.0% max.



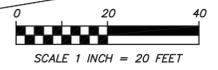
Permit Set
St. John Lutheran Church
6135 Rings Road
Dublin, Ohio 43016

DATE: 12/06/2012
PROJECT #: 12161
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REVISIONS:

- LEGEND**
- Monument Box
 - 3/4" Iron Pipe (Found/Set)
 - PK Nail (Found/Set)
 - ▲ Railroad Spike (Found/Set)
 - ⊙ Rebar (Found/Set)
 - ⊕ Catch Basin or Curb Inlet
 - ⊖ Curb & Gutter Inlet or Gutter Inlet
 - ⊗ Sewer Manhole or Grease Trap
 - ⊘ Sewer Cleanout
 - ⊙ Fire Hydrant
 - ⊙ Water Valve
 - ⊙ Gas Valve
 - ⊙ Gas Meter
 - ⊙ Gas Meter
 - ⊙ Yardlight
 - ⊙ Light Pole
 - ⊙ Utility Pole
 - ⊙ Irrigation Control Box
 - ⊙ Number of Parking Spaces
 - ohe Overhead Electric Line
 - uge Underground Electric Line
 - oht Overhead Telephone Line
 - ugt Underground Telephone Line
 - st Storm Sewer Line
 - ssn Sanitary Sewer Line
 - Fence Line
 - Existing Curb
 - Proposed Curb
 - Concrete
 - ⊙ Existing Spot Elevation
 - Existing Ground Contour
 - 18.4 Proposed Spot Elevation
 - 18.4 Proposed Top of Curb Elevation
 - 18.4 Proposed Top of Walk Elevation
 - R Proposed Sidewalk Ramp
 - Concrete
 - Light Duty Pavement
 - Heavy Duty Pavement
 - Detectable Warning
 - Major Storm Routing (greater than 100 yr. storm)

Revision(s):

- ① Minor earthwork revision along south & east sides of existing pond. Added note: "Existing base material to remain & be re-worked to accommodate new pavement" (2 areas).
- ② Relocate proposed sidewalk, reduce width of stairs & concrete apron, realign roof drain collector lines.

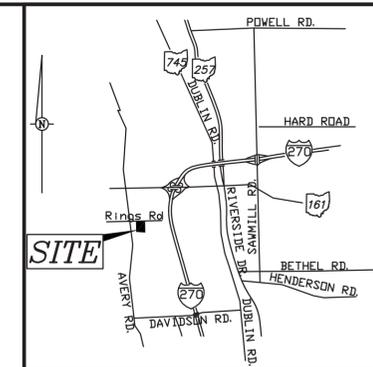


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④ Date: 06-07-16
② Date: 06-25-13
① Date: 06-18-13
① Date: 05-28-13
① Date: 04-29-13

SITE DETAILS
ST. JOHN LUTHERAN CHURCH



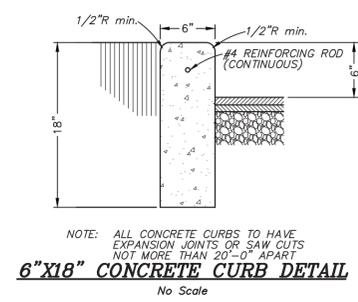
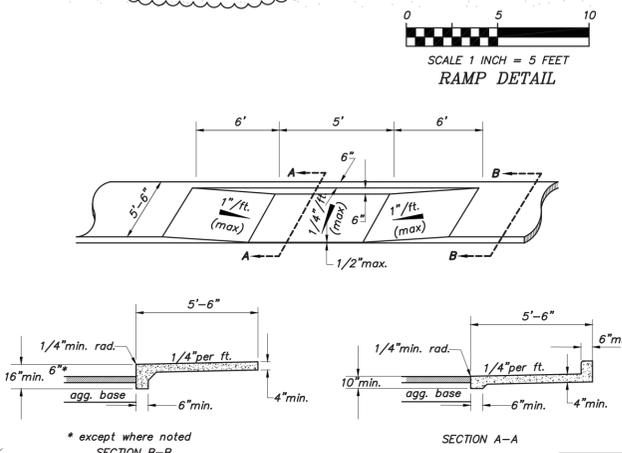
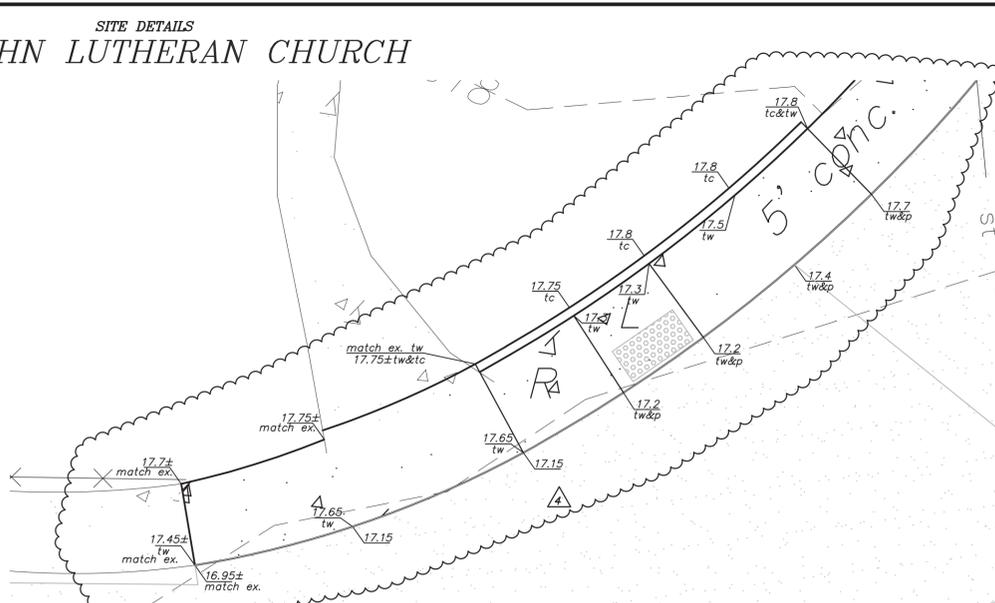
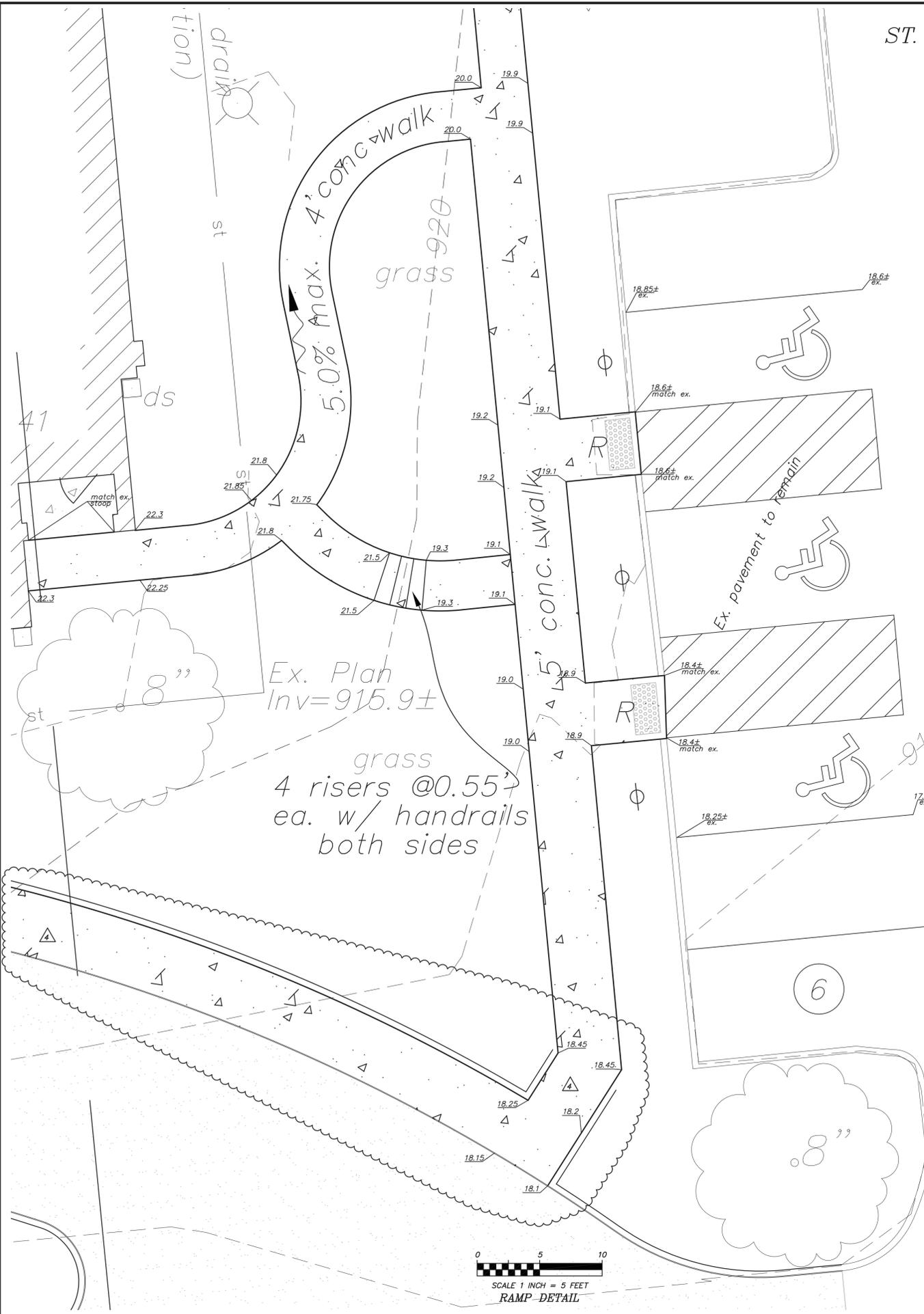
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LEGEND

- Monument Box
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- PK Nail (Found/Set)
- ▲ Railroad Spike (Found/Set)
- Rebar (Found/Set)
- CB Catch Basin or Curb Inlet
- CG Curb & Gutter Inlet or Gutter Inlet
- GH Sewer Manhole or Grease Trap
- CO Sewer Cleanout
- FD Fire Hydrant
- WV Water Valve
- GV Gas Valve
- GM Gas Marker
- GM Gas Meter
- Y Yardlight
- LP Light Pole
- UP Utility Pole
- IC Irrigation Control Box
- PS Number of Parking Spaces
- ohe Overhead Electric Line
- uge Underground Electric Line
- oht Overhead Telephone Line
- ugt Underground Telephone Line
- st Storm Sewer Line
- ssn Sanitary Sewer Line
- FL Fence Line
- GD Guardrail
- EC Existing Curb
- CON Concrete
- 917.30 Existing Spot Elevation
- 92 Existing Ground Contour
- 18.4 Proposed Spot Elevation
- 18.4 tc Proposed Top of Curb Elevation
- 18.4 tw Proposed Top of Walk Elevation
- R Proposed Sidewalk Ramp
- CON Concrete
- LD Light Duty Pavement
- HD Heavy Duty Pavement
- DW Detectable Warning

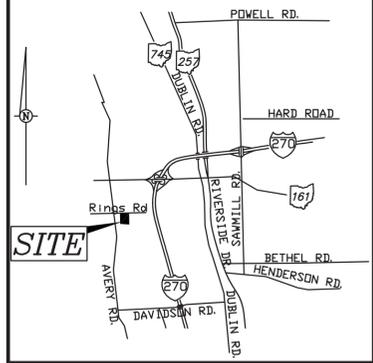
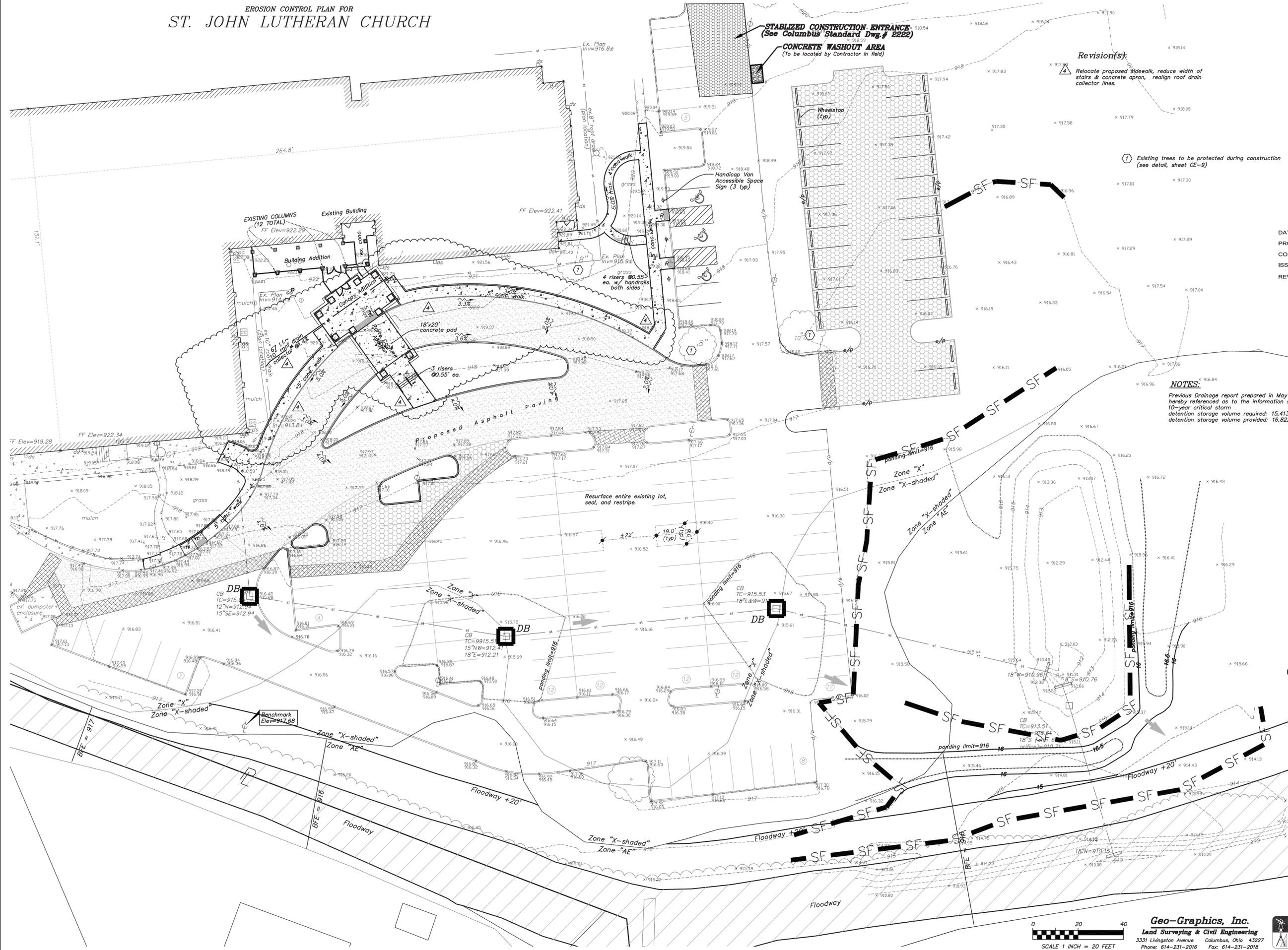


ESTIMATE OF QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
-	Lump	Sum	Demolition
207	700	L.F.	Filter Fabric Fence
207	3	Ea.	Inlet Protection (Dandy Bag)
207	Lump	Sum	Modified Rock Check
LIGHT DUTY PAVEMENT SECTION (Parking Areas)			
304	193	C.Y.	Aggregate Base (6" Parking Pavement Area)
448	36	C.Y.	Asphalt Concrete, (1-1/4", Surface Course, Light Traffic)
448	58	C.Y.	Asphalt Concrete, (2", Intermediate Course, Light Traffic)
HEAVY DUTY PAVEMENT SECTION (Drive Aisles)			
304	271	C.Y.	Aggregate Base (8" Drive Aisle Area)
448	49	C.Y.	Asphalt Concrete, (1-1/2", Surface Course, Heavy Traffic)
448	85	C.Y.	Asphalt Concrete, (2-1/2", Intermediate Course, Heavy Traffic)
451	8	C.Y.	7" Concrete Pavement (Drop Off Under Canopy)
602	1	Ea.	Full Height Headwall (AA-S168) w/ stone facing
608	2147	S.F.	Concrete Walk
608	1388	S.F.	Combined Concrete Curb & Walk
608	26	Ea.	Concrete Wheelstop
609	553	L.F.	6"x18" Concrete Standing Curb
659	Lump	Sum	Seeding and Mulching
901	1	Ea.	10" Cleanout (AA-S161)
901	1	Ea.	8" Cleanout (AA-S161)
901	67	L.F.	10" PVC SDR 35
-	3	Ea.	ADA Signage
-	Lump	Sum	Resurface entire existing lot, seal, and restripe

Revision(s):
▲ Relocate proposed sidewalk. Updated quantities.

Quantities listed above estimates and subject to revision during construction. The Contractor is directed to verify all quantities prior to preparing and submitting his bid. Item Numbers listed refer to the City of Columbus, Construction and Material Specifications.

EROSION CONTROL PLAN FOR
ST. JOHN LUTHERAN CHURCH

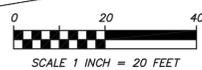


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- LEGEND**
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 - ugt Underground Telephone Line
 - st Storm Sewer Line
 - san Sanitary Sewer Line
 - fl Fence Line
 - G Guardrail
 - Existing Curb
 - Concrete
 - Existing Spot Elevation
 - Existing Ground Contour
 - Major Storm Routing (greater than 100 yr. storm)
 - DB Inlet Protection
 - SF Silt Fence or Fiber Roll
 - Modified Rock Check
 - Stabilized Construction Entrance with Water Bar
 - Concrete Washout Area (To be located by Contractor in field)

NOTES:
Previous Drainage report prepared in May 1998 by CEA is hereby referenced as to the information summarized below:
10-year critical storm detention storage volume required: 15,413 C.F.
detention storage volume provided: 16,822 C.F. at elev. 916.0



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EROSION AND SEDIMENT CONTROL NARRATIVE

Plan Designer
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Columbus, OH 43227
Phone: 614-231-2016
e-mail: gschweitzer@geo-graphicsinc.com

Owner and Contact
St. John Lutheran Church
6135 Rings Road
Dublin, Ohio 43016
614-889-2284
Contact: Pastor John Greig
john.greig@stjohnsdublin.org

Project Description:
Project consists of construction of a 650± s.f. building addition and associated parking lot, site improvements, paving, utility services and grading changes to the existing detention pond.

This sheet depicts the soil erosion and sedimentation measures to be employed during construction.

Sediment & Erosion Controls and all Silt Fencing shall be installed (in place) prior to the commencement of grading (earth disturbing) operations, including sewer line and water line improvements and shall remain in place until construction activities are complete and upstream areas have been stabilized.

Dandy Bag inlet filters are to be installed on existing catch basins where indicated. Silt fence and/or fiber roll to be installed at locations shown.

The approx. 0.93 acre of this site will be disturbed during construction. As such an NOI is not required for this development. Top soil and any organic material will be stripped and stock piled in the proposed work areas. Existing asphalt pavement removed may be shredded and reused as base material for proposed paving. Existing base material is to be separated and reused.

Modified rock check to be installed along pavement sawcut edge to provide temporary protection transition for grade separation.

The site will be graded and compacted to the subgrade elevations indicated on this plan. Existing storm sewers will be installed with inlet protection provided at all structures and then the parking lot may be constructed.

The building and site work should proceed concurrently and will require approx 75 to 90 days to complete.

Seeding and mulching and sodding where indicated is to be installed around the disturbed perimeter as soon as final fine grading and soil gradation is achieved. Interior island landscaping is to be performed when paving is complete.

Inlet protection should remain in place until site stabilization is achieved.

Soil and Erosion Control measures are to be maintained according to the instructions shown herein in note form.

Prior Land Usage:
This site is currently an existing church with asphalt parking lot & concrete curbing and sidewalks.

Site Drains to:
The site drains generally southeasterly into an existing detention pond.

Adjacent Areas:
The site is bordered along the north by existing Rings Road, on the east by a vacant grass field, on the south by Cramer Ditch, and on the west by existing Avery Road.

Maintenance:
All erosion control devices are to be inspected by the construction superintendent at least once every seven calendar days and within 24 hours after any storm event greater than one half inch of rain in a 24 hour period. Any damaged facilities are to be replaced immediately. Cleaning and maintenance is to be performed as needed.

Any spills of fuels and/or construction site liquids are to be immediately cleaned/vacuumed and properly disposed of.

See additional notes on cover sheet.

POST CONSTRUCTION BMP MAINTENANCE

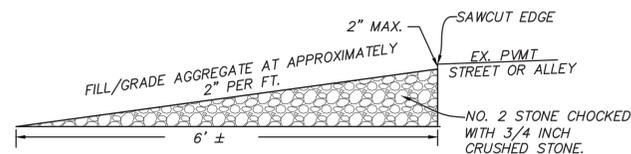
Gate inlets are to remain clear, with debris removal as required.

All storm sewer structures and the existing detention basin area are to be inspected on a bi-annual basis. Structures are to be monitored for sediment/debris accumulation. Any accumulation of solid material is to be removed by hand/tool methods which include potential use of vac truck and disposed of in accordance with all local, state and federal requirements.

Note: The onsite contact(s) responsible for sediment and erosion control on this site are:

Name	Phone Number / Email
BMP Installation	Pastor John Greig (614) 889-2284 john.greig@stjohnsdublin.org
BMP Maintenance	Pastor John Greig (614) 889-2284 john.greig@stjohnsdublin.org
Site Stabilization and BMP Removal	Pastor John Greig (614) 889-2284 john.greig@stjohnsdublin.org

NOTE: The above names and phone numbers are for the pastor of this church, as of this date a general contractor has not been chosen.



MODIFIED ROCK CHECK
NO SCALE

STORMWATER POLLUTION PREVENTION NOTES

The "Rainwater and Land Development, Ohio's Standards for Stormwater Management, Land Development and Urban Stream Protection", Current Edition, including all supplements thereto, in force on the date of contract, shall govern all materials and workmanship involved in the improvements shown on these plans, except as such specifications are modified by the following specifications or by the construction details set forth herein. Summarized details of temporary erosion and sediment control installations used are shown on this plan.

The contractor shall remove existing ground cover only as necessary for the project phase currently under construction.

All clearing and grading operations shall be confined to the limits shown on the plan.

NOTE: Sediment and Erosion Controls are defined to include sediment basins, traps, or detention/retention basins temporarily used as such.

The Contractor shall inspect erosion and sediment control installations every seven (7) days and within 24 hours after any storm event exceeding 0.5 in. of rainfall per 24-hour period. The Contractor shall make necessary repairs immediately and clean installations of trapped sediment and debris as necessary.

All temporary erosion and sediment control installations shall be removed within 30 days after site stabilization is achieved.

Any trapped sediment or debris removed during cleaning of or removal of installations shall be permanently stabilized to prevent further erosion.

All costs for erosion control measures, including but not limited to seeding, straw bales, etc. shall be included in the Contractors bid, lump sum.

Mulch and/or other appropriate vegetative practices (i.e. temporary seeding) shall be applied to disturbed areas within seven (7) days of grading if the area is to remain dormant (undisturbed) for more than 21 days or on areas and portions of the site which can be brought to final grade. Permanent seeding should be applied if the areas will be idle for more than a year.

Remaining areas are subject to permanent or temporary seeding requirements and may not be left dormant in anticipation of construction.

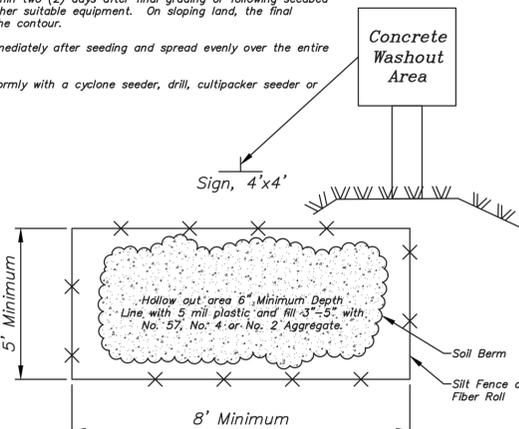
Permanent Seeding			
Seed Type	Seeding Dates	per 1000 Sq. Ft.	per Acre
Short Fescue	March 1 to September 15	2 pound	80 pound
Annual Ryegrass		1 1/2 pound	20 pound
Small Grain Straw, Mulch		100 pound or 2 to 3 bales	2 ton or 50 bales
Fertilizer 12-12-12 or equivalent		25 pound	1000 pound
Temporary Seeding			
Rye or Wheat	September 15 to October 30	3 pound	2 bushels
Soil Protection			
Small Grain Straw, Mulch	October 30 to March 1	2 to 3 bales	2 ton

- All right of way areas shall be permanently seeded upon installation of underground utilities.
- All other disturbed areas not in the right of way shall be temporarily seeded upon completion of grading operations.

SEEDING & MULCHING

All areas disturbed during construction are to be seeded and mulched or sodded. Accompanying are the minimum requirements for both the rate of application and the time table for seeding.

- Anchor mulch by one of the means below:
 - Mechanical - Use a disk, crimper, or similar type tool set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but be left generally longer than 6 inches.
 - Mulch Nettings - Use according to the manufacturer's recommendations, following all placement and anchoring requirements. Use in areas of water concentration and steep slopes to hold mulch in place.
 - Synthetic Binders - For straw mulch, synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petrosel, Terra Tack or equal may be used at rates recommended by the manufacturer. All applications of Synthetic Binders must be conducted in such a manner where there is no contact with waters of the state.
 - Wood Cellulose Fiber - Wood cellulose fiber may be used for anchoring straw. The fiber binder shall be applied at a net dry weight of 750 lb./acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb./100 gal. of wood cellulose fiber.
- Seeding shall be made within two (2) days after final grading or following seedbed preparation with a disk or other suitable equipment. On sloping land, the final operation shall be done on the contour.
- Mulch shall be applied immediately after seeding and spread evenly over the entire seeding area.
- Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder or hydro-seeder.

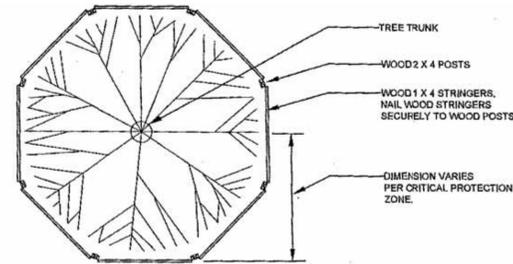


CONTRACTOR RESPONSIBILITY: The owner of the property is responsible for full compliance with the City's erosion and sediment control regulations. The contractor is responsible for providing erosion and sediment controls as detailed herein and for providing proper maintenance and inspection of such controls. Details shown on the plan shall be considered a minimum. Deviations from the plan are acceptable upon approval by the City. Additional or alternative details may be found in the ODNR Rainwater and Land Development Manual and the Columbus or Franklin County Stormwater Manual.

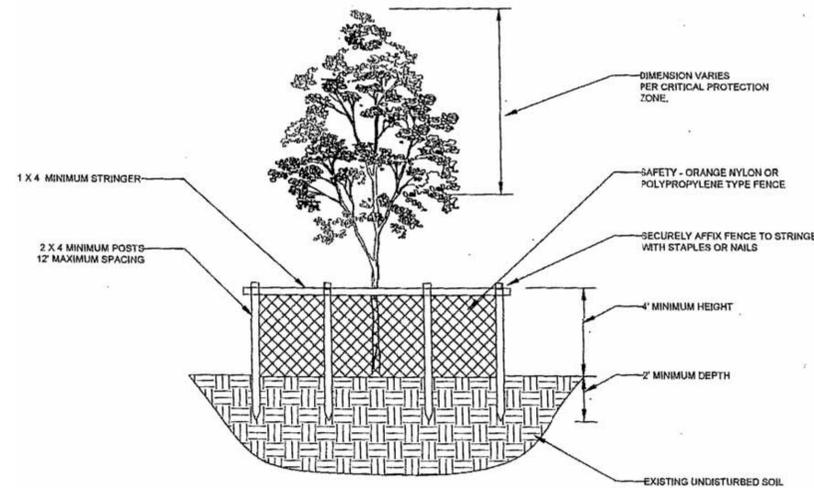
To be located by Contractor in the field.

CONCRETE WASHOUT AREA DETAIL
NO SCALE

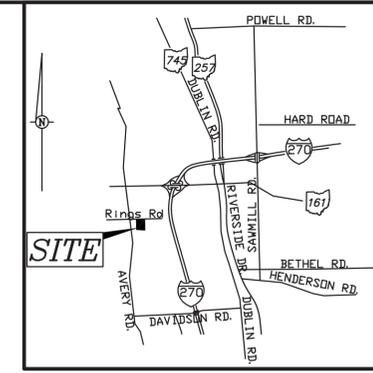
EROSION CONTROL DETAILS FOR ST. JOHN LUTHERAN CHURCH



NOTE: FOR GROUPS OF TREES, PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY.



- NOTE:
- FOR GROUPS OF TREES:
 - PLACE THE BARRICADES AT THE DRIPLINE AROUND THE GROUPS PERIMETER.
 - INSTALLATION OF TREE PROTECTION BARRICADES SHALL BE PERFORMED BEFORE ANY SITE DEVELOPMENT ACTIVITY TAKES PLACE.
 - THE TREE PROTECTION BARRICADES SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL ALL SITE DEVELOPMENT ACTIVITIES ARE FULLY COMPLETE.
 - ANY DAMAGE THAT MAY OCCUR TO THE BARRICADES SHALL BE REPAIRED OR REPLACED TO THE ORIGINAL SPECIFICATIONS, WITHIN 24 HOURS OF THE DAMAGE OCCURRING.
 - THE AREA WITHIN THE TREE PROTECTION BARRICADES SHALL NOT BE USED FOR THE STORAGE OF ANY MATERIALS, SUPPLIES OR DEBRIS OR THE DISPOSAL OF ANY SOLID, LIQUID OR GASEOUS MATERIALS THAT COULD CAUSE HARM TO THE TREES.
 - ANY TREE SCHEDULED TO REMAIN IF DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED BY PROVIDING EQUIVALENT MONETARY VALUE TO THE CITY'S TREE FUND.
 - MONETARY TREE VALUE SHALL BE DETERMINED BY USING THE GUIDE FOR PLANT APPRAISAL, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR OTHER SOURCES AS DETERMINED BY THE CITY FORESTER.
 - BARRICADES SHALL PROTECT ALL TREES SCHEDULED TO REMAIN, BEFORE AND DURING ALL CONSTRUCTION ACTIVITIES.
 - ANY PROPOSED UNDERGROUND UTILITIES SHALL BE ROUTED AROUND PROTECTED TREES TO THE OUTSIDE OF THE TREES DRIPLINE. IF THIS IS NOT FEASIBLE, AS DETERMINED BY THE COUNTY, A SLEEVE MAY BE USED UNDER THE TREE, PROVIDED THAT ALL ACCEPTABLE HORTICULTURAL/ ARBORICULTURAL PRACTICES ARE ADHERED TO.
 - TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.



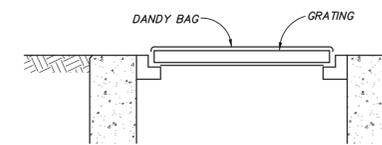
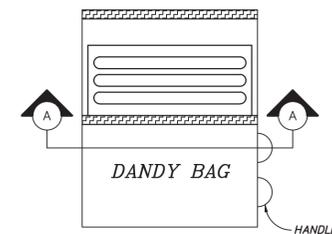
LOCATION MAP
No Scale

Permit Set
St. John Lutheran Church

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Installation: Stand grate on end. Place dandy bag over grate. Flip grate over so that open end is up. Pull up slack. Tuck flap in. Be sure end of grate is completely covered by flap or dandy bag will not fit properly. Holding handles, carefully place dandy bag with grate inserted into catch basin frame so that red dot on the top of the dandy bag is visible.

Maintenance: After silt has dried, remove it from the surface of dandy bag with broom.

Dandy Bag Detail



Revision(s):
Revised disturbed area.



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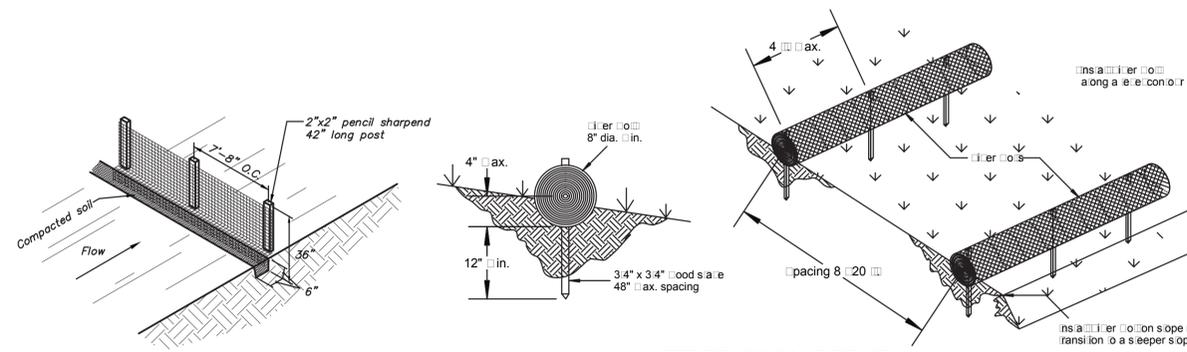
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EROSION CONTROL DETAILS

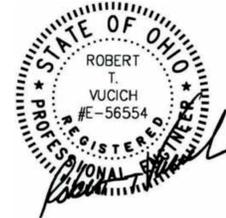
SHEET CE-9



- Set the stakes.
- Excavate a 6"x6" trench upslope along the line of stakes.
- Staple filter material to stakes and extend it into the trench.
- Backfill and compact the excavated soil.
- Prefab silt fence is acceptable.

Sediment Fence Detail
NO SCALE





St. John
Lutheran Church
6135 Rings Road
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NOTES:
1. ALL BIDDERS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY ERRORS AND OMISSIONS SUBSEQUENTLY DISCOVERED IN THE CONTRACT DOCUMENTS.

2. THE CONTRACT DOCUMENTS ARE COMPOSED OF THE DRAWINGS AND THE PROJECT MANUAL. IN THE EVENT OF A DISCREPANCY BETWEEN THESE DOCUMENTS, THE CONTRACT DOCUMENTS SHALL BE MADE UP IN THE FOLLOWING ORDER OF PRECEDENCE: A. DRAWINGS; B. SPECIFICATIONS; C. GENERAL NOTES; D. PROJECT MANUAL. THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED. IF THE CONTRACTOR DISCOVERS TO SEPARATE THE DOCUMENTS, THEY DO SO AT THEIR OWN RISK AND EXPENSE.

3. ADDITIONALLY, SEE GENERAL INFORMATION ON "A0" SHEETS.

4. THE CLIENT ACKNOWLEDGES THE CONSULTANTS' (ARCHITECT) DRAWINGS AND SPECIFICATIONS INCLUDING ALL DOCUMENTS ON ELECTRONIC MEDIA AS INSTRUMENTS OF THE CONSULTANT (ARCHITECT) PROFESSIONAL SERVICE. THE CLIENT SHALL NOT REUSE OR PRESENT TO BE MADE ANY MODIFICATION TO THE DRAWINGS AND SPECIFICATIONS WITHOUT THE WRITTEN AUTHORIZATION OF THE CONSULTANT (ARCHITECT). THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST THE CONSULTANT (ARCHITECT) ARISING FROM ANY UNAUTHORIZED TRANSFER, REUSE OR MODIFICATION OF THE DRAWINGS AND SPECIFICATIONS.

5. ARCHITECT CANNOT WARRANT THE ACCURACY OF DATA CONTAINED HEREIN. ANY USE OR REUSE OF ORIGINAL OR ALTERED CAD DESIGN MATERIALS BY THE USER OR OTHER PARTIES WITHOUT THE REVIEW AND WRITTEN APPROVAL OF THE ARCHITECT SHALL BE AT THE SOLE RISK OF THE USER. FURTHERMORE, USER AGREES TO DEFEND, INDEMNIFY, AND HOLD ARCHITECT HARMLESS FROM ALL CLAIMS, INJURIES, DAMAGES, LOSSES, EXPENSES, AND ATTORNEY'S FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.

CONSTRUCTION SET

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PROJECT #: 13055
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REVISIONS:
1 REV. #1 05/13/13
2 REV. #2 06/26/13
4 REV. #4 05/27/16

ABBREVIATIONS

AB	ANCHOR BOLT
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
BFB	BOTTOM FLANGE BRACE
BLDG	BUILDING
BM	BEAM
CTMF	COLD-FORMED METAL FRAMING
CJ	CONTROL OR CONSTRUCTION JOINT
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CY	CUBIC YARD
DBL	DOUBLE
DEMO	DEMOLISH OR DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
EW	EACH WAY
EXP	EXPANSION
FDN	FOUNDATION
FIN	FINISH OR FINISHED
FLR	FLOOR
FTG	FOOTING
FRW	FIRE-RETARDANT TREATED WOOD
FA	FIELD VERIFY
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HC	HOLLOW CORE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IF	INSIDE FACE
INT	INTERIOR
JST	JOIST
JT	JOINT
L	ANGLE
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MIN	MINIMUM
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPP	OPPOSITE
OPENG	OPENING
OSB	ORIENTED STRAND BOARD
PC	PRECAST
PEMB	PRE-ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
REINF	REINFORCING OR REINFORCED
SCH	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SL	SLOPED
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SY	SQUARE YARD
SYM	SYMMETRICAL
T/	TOP OF
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
T&G	TONGUE AND GROOVE
Typ	TYPICAL
UN	UNLESS NOTED
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERTICAL
W	WIDE FLANGE
W/O	WITHOUT
WT	WEIGHT
WWF	WELODED WIRE FABRIC
YD	YARD

GENERAL STRUCTURAL NOTES

GENERAL

- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ERECTION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, CUTS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- MECHANICAL EQUIPMENT LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- GOVERNING CODE: 2007 OHIO BUILDING CODE

DESIGN LOADS:

ROOF LIVE LOADS: (IN ACCORDANCE WITH 1607.11)	20 PSF
ROOF SNOW LOADS: (IN ACCORDANCE WITH 1608)	
- GROUND SNOW LOAD (Ps)	30 PSF
- FLAT ROOF SNOW LOAD (Pf)	30 PSF
- SNOW EXPOSURE FACTOR (Ce)	1.0
- SNOW LOAD IMPORTANCE FACTOR (Is)	1.0
- THERMAL FACTOR (Ct)	1.0
WIND LOADS: (IN ACCORDANCE WITH 1609)	
- BASIC WIND SPEED (V)	90 MPH
- WIND IMPORTANCE FACTOR (IW)	1.0
- EXPOSURE CATEGORY	EXPOSURE C
- INTERNAL PRESSURE COEFFICIENT (Cp1)	+/- 0.18
- WIND CONTENTS AND CLADDING PRESSURE: +25 PSF / - 30 PSF	

SEISMIC DESIGN DATA:

- SEISMIC USE GROUP	II
- SEISMIC IMPORTANCE FACTOR (IE)	1.1
- SS	175
- SI	057
- SITE CLASS	0
- SDS	082
- S01	092
- SEISMIC DESIGN CATEGORY	B
- SEISMIC FORCE RESISTING SYSTEM	MOMENT FRAMES
- SEISMIC RESPONSE COEFFICIENT (Cs)	0.58
- RESPONSE MODIFICATION FACTOR (R)	3.0
- ANALYSIS PROCEDURE:	MODAL RESPONSE SPECTRUM ANALYSIS
SPECIAL LOADS: - RETAINING WALLS (1610.1):	40 PCF
- INTERIOR PARTITIONS (1607.13):	5 PSF
- HANDRAILS (1607.7):	50 PLF

REINFORCED CONCRETE

- MATERIALS:
 - SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI-301-99, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
 - STRUCTURAL CONCRETE:

CLASS	LOCATION	f'c psi
I	FOOTINGS	3,000
II	EXTERIOR SLABS ON GRADE, SITE CONCRETE, EXTERIOR FOUNDATION WALLS, AND ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,000 W/ AIR
III	BACKFILL BELOW FOOTINGS	1,500
 - ALL DEFORMED REINFORCING BARS: FY = 60,000 PSI.
- FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15 IN THE FIELD OFFICE AT ALL TIMES.
- CONTINGENCIES:
 - PROVIDE 1/4 TON OF REINFORCING BARS TO BE USED AS DIRECTED BY THE ARCHITECT/ENGINEER - COLD BEND IN THE FIELD, IF REQUIRED. PROVIDE A UNIT PRICE PER TON OF INSTALLED REINFORCING.
 - PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER EXCAVATION, SOFT SPOTS, AND TRENCHES.
- OPENINGS:
 - OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. RECONCILE THEIR EXACT SIZE AND LOCATION WITH ARCHITECTURAL, MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH WORK.
 - PROVIDE 2 NO. 5 BARS AROUND ALL WALL OPENINGS, EXTENDING TWO FEET BEYOND OPENING IN EVERY DIRECTION. OPENINGS IN WALLS NOT EXCEEDING 12" X 12" MAY BE SLEAVED AS REQUIRED BY WORKING DRAWINGS AND REINFORCING DETAILS.
 - IF ANY OPENING NOT SHOWN ON THE PLANS IS REQUIRED, SECURE APPROVAL OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING.
- FOOTINGS, PIERS, WALLS:
 - DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING.
 - PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. MINIMUM LENGTH OF EACH LEG = 36 BAR DIAMETERS.
 - DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH ADJACENT FLOOR SLABS ARE IN PLACE.
- SPLICES:
 - SPLICES FOR VERTICAL STEEL IN WALLS OR PIERS - LAP 36 DIAMETERS, UNLESS NOTED OTHERWISE.
 - MINIMUM LAP FOR FOOTING, SLAB, AND HORIZONTAL WALL REINFORCING = 36 DIAMETERS.
- CONSTRUCTION JOINTS:
 - CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER.
- WEDGE ANCHORS AND CHEMICAL ANCHORS:
 - MINIMUM EMBEDMENT SHALL BE 6 BOLT DIAMETERS, EXCEPT AS OTHERWISE DESIGNATED.

STRUCTURAL STEEL

- MATERIALS:
 - STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992 OR ASTM A572, FY = 50 KSI; STRUCTURAL STEEL CHANNELS, PLATES, ANGLES, ETC.: ASTM A36, FY = 36 KSI; HIGH STRENGTH BOLTS: ASTM A325 OR A490; ANCHOR BOLTS: ASTM A36 OR ASTM A307; ELECTRODES: SERIES 70; STRUCTURAL PIPES: ASTM A53, TYPE E OR S, GRADE B, FY = 35 KSI; STRUCTURAL TUBING: ASTM A500, GRADE B, FY = 46 KSI; SHEAR STUDS: ASTM A108, FY = 60 KSI.
- SPECIFICATIONS: WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1 UNLESS SPECIFICALLY SHOWN OTHERWISE. DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY THE LATEST REVISIONS OF:
 - AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 - AISC CODE OF STANDARD PRACTICE.
 - STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
 - SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- CONNECTIONS:
 - FIELD CONNECTIONS TO BE BOLTED, EXCEPT AS OTHERWISE INDICATED. SHOP CONNECTIONS TO BE WELDED OR BOLTED. CONNECTIONS TO BE DESIGNED BY THE FABRICATOR TO DEVELOP FULL STRENGTH OF MEMBER OR FORCES SHOWN ON PLANS, WHICHEVER GOVERNS. FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL ARRANGEMENT OR PARTICULAR DETAILS.
- PAINT / GALVANIZE:
 - DO NOT PAINT STEEL OR ANCHOR BOLTS WHICH WILL BE ENCASED IN CONCRETE OR MASONRY. PAINT ALL INTERIOR STEEL WITH ONE COAT OF FABRICATOR'S STANDARD PRIMER, UNLESS NOTED OTHERWISE. PAINT EXPOSED MEMBERS, AND ALL EXTERIOR STEEL WITH TWO COATS OF RED OXIDE PRIMER. GALVANIZE L INTELS.
- MISCELLANEOUS:
 - PROVIDE HOLES FOR OTHERS. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
 - STEEL SUPPORTING OR CONNECTING TO MECHANICAL AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL AND/OR ELECTRICAL DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL RECONCILE EXACT SIZE AND LOCATION WITH MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH HIS WORK.
 - GROUT UNDER BEARING PLATES TO BE NON-SHRINKING TYPE. EXPOSED GROUT SHALL BE NON-METALLIC.
 - STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE OR 4" OF MASONRY.
 - PROVIDE 1/4" THICK SETTING PLATES FOR ALL BEAMS AND BEAM L INTELS BEARING ON MASONRY OR CONCRETE WHICH DO NOT REQUIRE A BEARING PLATE.
 - PROVIDE HEAVY WASHER AT ALL ANCHOR BOLTS.
 - FINISH ENDS OF ALL COLUMNS, STIFFENERS AND ALL OTHER MEMBERS IN DIRECT BEARING.
 - PROVIDE BOLT HOLES FOR WOOD NAILERS AND JOISTS BOLTED TO BEAMS.
 - PROVIDE ATTACHMENT FOR JOINING EXTENDED JOIST BOTTOM CHORD.
 - MINIMUM BEAM BEARING ON MASONRY = 8".
- CONTINGENCY:
 - PROVIDE AND ERECT 5 TON OF STRUCTURAL AND/OR MISCELLANEOUS STEEL (STRUCTURAL SHAPES, ANGLES, PLATES, ETC.) TO BE USED AS DIRECTED BY THE

MASONRY

- MATERIALS:
 - CONCRETE BLOCK: ASTM C90 (HOLLOW AND SOLID)
 - MORTAR: TYPE S, MINIMUM COMPRESSIVE STRENGTH: 1800 PSI
 - BOND BEAM AND CORE FILL: ASTM C476, COURSE TYPE
 - JOINT REINFORCING: STANDARD BUR-O-WAL, MILL GALVANIZED FINISH
- MISCELLANEOUS:
 - PROVIDE 100% SOLID BEARING, MINIMUM 3 COURSES UNDER BEAMS, 1 COURSE UNDER JOISTS, UNLESS DETAILED OTHERWISE.
 - FILL CORE SOLID AROUND ANCHOR BOLTS.
 - SET WELD PLATES IN BOND BEAMS AFTER THE GROUT IS PLACED, BUT WHILE IT IS STILL PLASTIC.
 - HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES OF PIERS, AND PILASTERS, AND IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
 - PROVIDE JOINT REINFORCING AT 16", EXCEPT AS NOTED.
 - PROVIDE APPROPRIATE MASONRY ANCHORS AT 16" O.C. MAX. TO TIE MASONRY TO ABUTTING VERTICAL STEEL AND CONCRETE SURFACES.
 - PROVIDE SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION ANCHOR LOCATIONS.
 - EXPANSION ANCHORS SHALL HAVE MINIMUM EMBEDMENT OF 6 BOLT DIAMETERS, EXCEPT AS DETAILED OTHERWISE.
 - WHERE HOLLOW MASONRY UNITS ARE USED ABOVE HOLLOW MASONRY UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF SOLID MASONRY AT LEAST 8" HIGH BELOW THE TRANSITION.
 - AT CORBELLED WALLS, USE SOLID MASONRY FOR THE COURSE BELOW THE FIRST CORBEL AND FOR EACH CORBELLED COURSE. MAXIMUM CORBEL PER COURSE = 1", UNLESS DETAILED OTHERWISE.
 - ALL SPLICES FOR VERTICAL WALL REINFORCING ARE TO BE LAPPED A MINIMUM OF 48 BAR DIAMETERS.
 - ALL GROUTING OF MASONRY WALLS SHALL BE BY THE LOW-LIFT GROUTING METHOD (MAXIMUM LIFT HEIGHT: 4'-0"). UNLESS CLEAN-OUTS AND INSPECTION ARE PROVIDED.

LINTEL NOTES

- PROVIDE L INTELS OVER ALL OPENINGS IN MASONRY WALLS. NOT ALL L INTELS ARE SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS, AND FOR STANDARD L INTELS. USE THE APPROPRIATE L INTEL FROM THE SCHEDULE IN NOTE 2 BELOW FOR NUMBERED L INTELS DESIGNATED ON THE STRUCTURAL DRAWINGS. USE THE SCHEDULED L INTEL IN NOTE 3 BELOW.

MASONRY ROUGH OPENING TO 4'-0"	SECTION
4'-1" TO 6'-0"	L 3-1/2 X 3-1/2 X 5/16
6'-1" TO 8'-0"	L 4 X 3-1/2 X 5/16 LVL
8'-1" TO 10'-0"	L 5 X 3-1/2 X 5/16 LVL
10'-1" TO 12'-0"	L 6 X 3-1/2 X 5/16 LVL
	WB X 18 W/PL 5/16 X (WALL "T"-1/2")
	WB X 21 W/PL 5/16 X (WALL "T"-1/2")
- IN 6" WALLS, PROVIDE 2 L'S 3-1/2 X 2-1/2 X 5/16 WITH LONG LEGS BACK TO BACK, UNLESS NOTED OTHERWISE.
- IN 10" WALLS, PROVIDE 2 L'S 5 X 5 X 5/16 UNLESS NOTED OTHERWISE.

SPECIAL INSPECTIONS AND TESTING

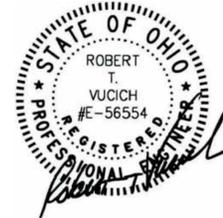
- INSPECTION AGENCY:
 - INSPECTION AGENCY OR INDIVIDUAL SHALL BE RETAINED AS INDICATED IN THE SPECIFICATIONS TO CONDUCT THE INSPECTIONS AND TESTING OUTLINED BELOW AND AS DEFINED IN CHAPTER 17 OF THE 2011 OHIO BUILDING CODE.
 - SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTS AND SUBMIT RECORDS TO THE ARCHITECT (JOB 1704).
 - THE OWNER OR OWNERS REPRESENTATIVE SHALL NOTE IN THE SPACES BELOW ON THE RECORD SET OF DRAWINGS KEPT ON-SITE, THE AGENCY OR INDIVIDUAL RETAINED TO CONDUCT THE SPECIAL INSPECTIONS AND TESTS.
- MATERIALS:
 - SOIL BEARING CAPACITY AGENCY: **CTL ENGINEERING** PERIODIC
 - CONCRETE AGENCY: **CTL ENGINEERING** PERIODIC
 - MIX DESIGNS
 - ANCHOR BOLT PLACEMENT
 - REINFORCING PLACEMENT
 - CONCRETE SAMPLING
 - CURING TECHNIQUES
 - MASONRY AGENCY: **CTL ENGINEERING** PERIODIC
 - MATERIAL CERTIFICATES OF COMPLIANCE
 - VERIFICATION OF 1" EVERY 5,000 S.F.
 - MORTAR PROPORTIONS
 - PLACEMENT OF CMU AND JOINTS
 - REINFORCING PLACEMENT
 - GROUT PLACEMENT
 - STRUCTURAL STEEL AGENCY: **CTL ENGINEERING** PERIODIC
 - HIGH STRENGTH BOLTING - SLIP TIGHT
 - HIGH STRENGTH BOLTING - SLIP CRITICAL
 - MATERIAL CERTIFICATES OF COMPLIANCE
 - WELDING - FILLET WELDS AND HEADED STUDS
 - WELDING - PARTIAL AND FULL PENETRATION
 - INSPECTION OF STEEL FRAME
 - SPRAYED FIRE-RESISTANCE MATERIALS AGENCY: **CTL ENGINEERING** PERIODIC
 - SURFACE PREPARATION
 - SPRAY THICKNESS
 - DENSITY AND MATERIAL BOND

GENERAL STRUCTURAL NOTES

S-000



architecture + interior design + engineering



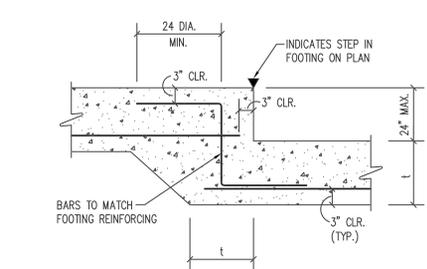
St. John
Lutheran Church
6135 Rings Road
Dublin, Ohio 43016

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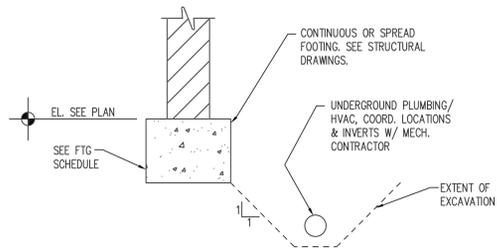
NOTES:

1. ALL BIDDERS SHALL VISIT THE SITE AND BECOME FAMILIAR W/ THE EXISTING CONDITIONS AND REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY ERRORS AND OMISSIONS SUBSEQUENTLY DISCOVERED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACT DOCUMENTS ARE COMPOSED OF THE DRAWINGS AND THE PROJECT MANUAL IN THEIR ENTIRETY. THE INFORMATION IN THESE DOCUMENTS IS DEPENDENT UPON AND COMPLEMENTARY OF EACH OTHER. SEPARATION OF THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED. IF THE CONTRACTOR GOES TO SEPARATE THE DOCUMENTS, THEY DO SO AT THEIR OWN RISK AND EXPENSE.
3. ADDITIONALLY, SEE GENERAL INFORMATION ON "A0" SHEETS.
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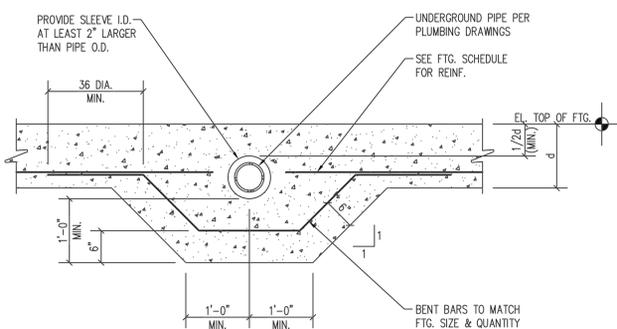
TYPICAL FOOTING STEP

DETAIL 1
3/4" = 1'-0"



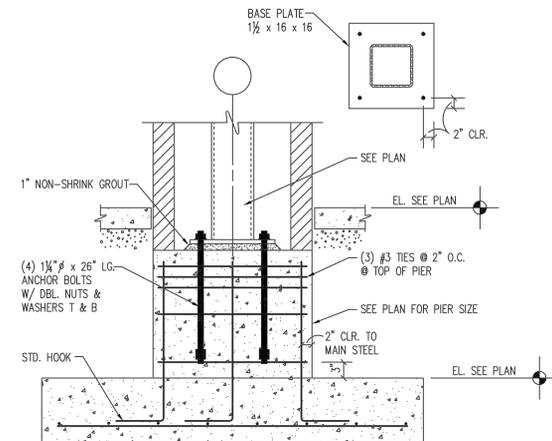
TYPICAL EXCAVATION CLEARANCE REQUIREMENTS

DETAIL 2
3/4" = 1'-0"

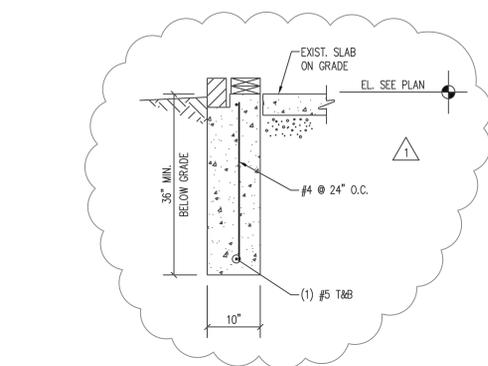


TYPICAL PLUMBING THRU FOOTING DETAIL

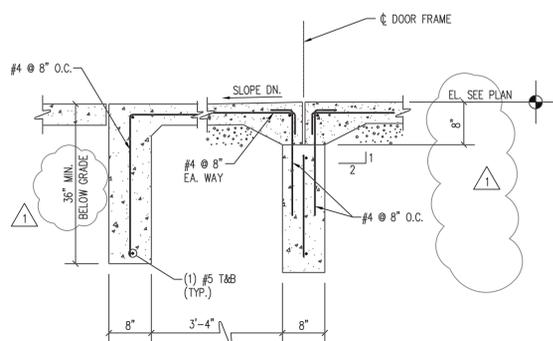
DETAIL 3
3/4" = 1'-0"



SECTION 4
3/4" = 1'-0"

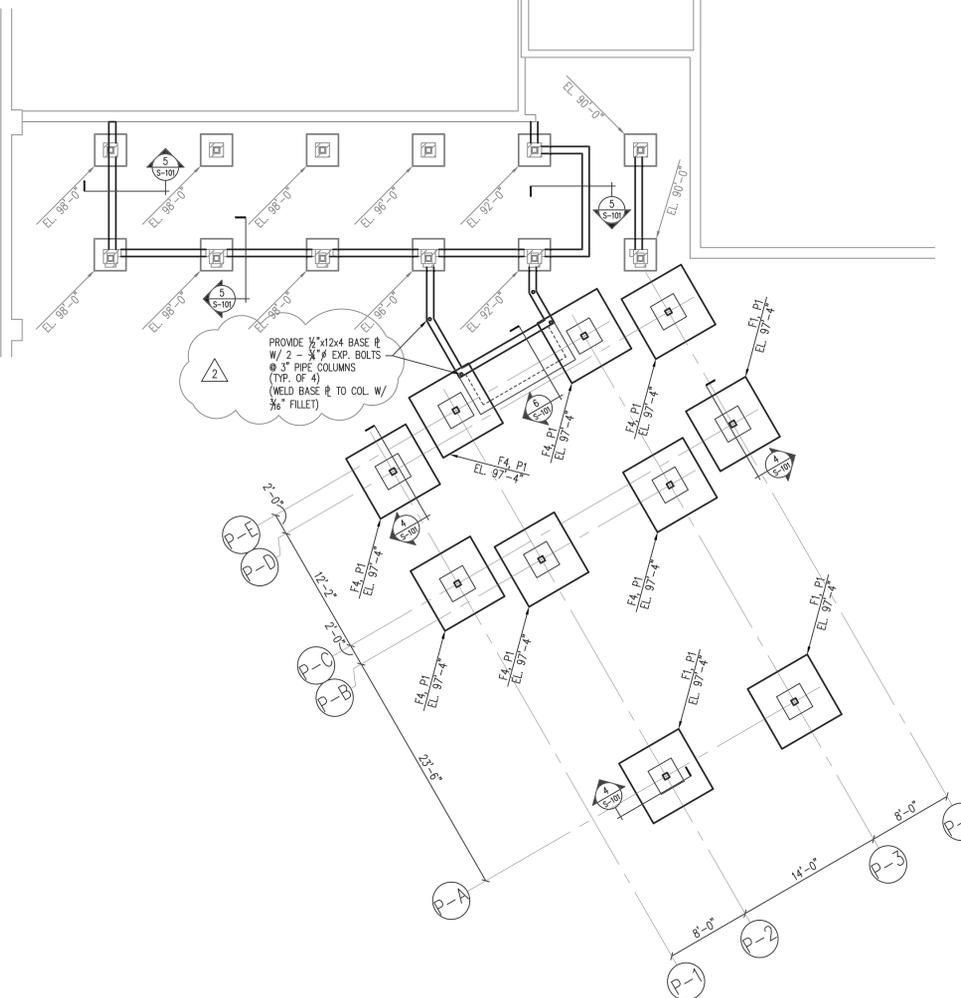


SECTION 5
3/4" = 1'-0"



TYPICAL @ MAN DOORS

DETAIL 6
3/4" = 1'-0"



FOUNDATION PLAN

1/8" = 1'-0"



- FOUNDATION NOTES
1. FOUNDATION DESIGN IS BASED UPON AN ASSUMED BEARING PRESSURE OF 1500 PSF.
 2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE.
 3. REFERENCE ELEVATION = TOP OF CONCRETE SLAB ELEVATION = EL. 100'-0".
 4. TOP OF ALL FOOTINGS ARE TO BE AT ELEVATION 100'-0" UNLESS NOTED OTHERWISE. WHERE INDICATED, ELEVATIONS SHOWN ON FOOTINGS INDICATE TOP OF FOOTING.
 5. SEE SECTION 2/S101 FOR TYPICAL UTILITY TRENCH EXCAVATION CLEARANCE REQUIREMENTS.
 6. SEE SHEET S000 FOR GENERAL STRUCTURAL NOTES.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F1	6'-6" SQ. x 16" DP.	8 #7 E.W.

PIER SCHEDULE

MARK	SIZE	REINFORCING
P1	30" SQ.	(8) #7 VERT. W/ #3 TIES @ 6" O.C.

BID SET

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FOUNDATION PLAN

S-101

