



Pre-Bid Meeting Agenda

Brunswick Building Demolition & New Parking – C20193118

Brunswick University Center, Brunswick, Ohio

Thursday, April 29, 2021 @ 10:00 AM

Attendees:

Michele Crawford- Tri-C / Michele.Crawford@tri-c.edu

Bob Ledinsky, Tri- C /.Ledinsky@tri-c.edu

Mike Christopher, RE Warner / MChristopher@rewarner.com

Robert P. Lackowski, RE Warner / RLackowski@rewarner.com

Alex DeNigris- Fabrizi / alex@fabrizi-inc.com

Phil Strever- Platform Contracting / phil@platformcontracting.com

Dominic Velotta- Ohio Paving / dvelotta@ohiopaving.com

Devin Jaran / Rick Kuehn Sitetech Excavating / rickk@sitetechexcavating.com

Rhoni Thompson, R.L. Cole Enterprise, Inc. / rlcoleenterpriseinc@gmail.com / 216-316-0281

Jayesh Dharia- Nerone & Sons / jayesh@nerone.biz

Nick Gomula Infinity paving / nick@infinitypaving.com

A. Overview of Project Scope

This project includes existing church building demolition as well as existing parking lot improvements and expansion. The new lot will increase parking capacity at the current Tri-C Brunswick University Center located at 3611 Center Road. It also will add site lighting, security features and landscaping.

C. Delivery Method

This project is a general contracting project general contracting project

D. Bidding & Award Timeline

The following points were reviewed, and all interested bidders were encouraged to read through the bidding documents in detail:

- Bids due Friday May 14, 2021 @ 2:00PM / District Office
- Bid Opening @ 2:10 PM / District Office
- RFI Questions submitted by Friday May 7, 2021 (We have to get an addendum out by 5/11 for the 72-hour rule) Questions should be submitted to RE Warner.
- Substitutions are 10 days before the bid opening by 4/30.



E. Schedule

Construction is scheduled to begin at the beginning of July. There is a little lag here so all the necessary board approvals can be completed. The Tri-C board is at the end of June and Brunswick Planning Commission is at the end of May. The substantial completion date is September 24, 2021.

G. Review of Bidding Document Drawings

- Re Warner gave brief overview of the project and reviews all the sheets in the drawings package. It was noted that there is a chance additional lighting along excellence drive may be added but coordination is ongoing with the utility company.

H. Questions

- There was a question about the bidding of the packages. The bid packages should be combined in the base bid.
- There was a question about the list of attendees being distributed. The meeting attendees and minutes will be included in an addendum.

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Additional Parking and Stormwater Management

1. Base Bid: Parking area as noted on the drawings.
2. Alternate: Install additional parking areas and associated construction including landscaping, pedestrian walkways, site lighting and cameras. The additional parking will also require the stormwater management system be installed. This will be inclusive of the pond, structures and all associated piping and appurtenances.

B. Alternate No. 2: Site Lighting Poles along Excellence Drive.

1. Base bid: No site lighting poles along this road.
2. Alternate:
 - a. Demo existing sign feeders back to building.
 - b. Install sign power circuit in 2#250KCMIL, 1#4/0 GND in 2" schd 80 PVC via lighting control relay LCP-R7. Downsize power conductors to 2#8, 1#10G inside J-boxes at each end.
 - c. Install fiber communication service in 2" schd 80PVC.
 - d. Install 2" schd 80PVC spare conduit.
 - e. Install (6) Pole lightings along roadway, feed from LP-18, via 2#10, 1#10G in 2" schd 80PVC.

END OF SECTION 012300

SECTION 02 41 16 - STRUCTURE DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Demolition and removal of buildings.
 - 2. Removing below-grade construction.
 - 3. Disconnecting, capping or sealing, and removing site utilities.
 - 4. Salvaging items for reuse by Owner.
- B. Related Requirements:
 - 1. Section 011000 "Summary" for use of the premises and phasing requirements.

1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged.
- B. Remove and Salvage: All items will be removed and disposed of no items will be salvaged during demolition.

1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
 - 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

1.5 PREINSTALLATION MEETINGS

- A. Pre-demolition Conference: Conduct conference at Project site 3605 Center Rd, Brunswick, Ohio 44212.
 - 1. Review and finalize building demolition schedule and verify availability of demolition personnel, equipment, and facilities needed to make progress and avoid delays.
 - 2. Review and finalize protection requirements.
 - 3. Review procedures for noise control and dust control.
 - 4. Review procedures for protection of adjacent buildings.
 - 5. Review items to be salvaged and returned to Owner.

1.6 INFORMATIONAL SUBMITTALS

- A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for dust control and for noise control. Indicate proposed locations and construction of barriers.
- B. Schedule of Building Demolition Activities: Indicate the following:
 - 1. Detailed sequence of demolition work, with starting and ending dates for each activity.
 - 2. Temporary interruption of utility services.
 - 3. Shutoff and capping of utility services.
- C. Pre-demolition Photographs or Video: Show existing conditions of adjoining construction and site improvements, including finish surfaces, that might be misconstrued as damage caused by salvage and demolition operations.

1.7 FIELD CONDITIONS

- A. Buildings to be demolished will be vacated and their use discontinued before start of the Work.
- B. Buildings immediately adjacent to demolition area will be occupied. Conduct building demolition so operations of occupied buildings will not be disrupted.
 - 1. Provide not less than 72 hours' notice of activities that will affect operations of adjacent occupied buildings.
 - 2. Maintain access to existing walkways, exits, and other facilities used by occupants of adjacent buildings.
 - a. Do not close or obstruct walkways, exits, or other facilities used by occupants of adjacent buildings without written permission from authorities having jurisdiction.

- C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
 - 1. Hazardous materials will be removed by Owner before start of the Work.
 - 2. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- D. On-site storage or sale of removed items or materials is not permitted.

1.8 COORDINATION

- A. Arrange demolition schedule so as not to interfere with Owner's on-site operations or operations of adjacent occupied buildings.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ANSI/ASSE A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 DEMOLITION CONTRACTOR

- A. Demolition Contractor:
 - 1. Insert, in separate subparagraphs, name of Contractor prequalified to perform the Work of this Section.

3.2 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting demolition operations.

3.3 PREPARATION

- A. Refrigerant: Before starting demolition, remove refrigerant from mechanical equipment according to 40 CFR 82 and regulations of authorities having jurisdiction.
- B. Salvaged Items: Comply with the following:

1. All salvageable items will be removed by the college prior to demolition.

3.4 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Utilities to be Disconnected: Locate, identify, disconnect, and seal or cap off utilities serving buildings and structures to be demolished.
1. Owner will arrange to shut off utilities when requested by Contractor.
 2. Arrange to shut off utilities with utility companies.
 3. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures.
 4. Cut off pipe or conduit a minimum of 24 inches below grade. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing according to requirements of authorities having jurisdiction.
 5. Do not start demolition work until utility disconnecting and sealing have been completed and verified in writing.

3.5 PROTECTION

- A. Existing Facilities: Protect adjacent walkways, loading docks, building entries, and other building facilities during demolition operations. Maintain exits from existing buildings.
- B. Temporary Shoring: Provide and maintain interior and exterior shoring, bracing, or structural support to preserve stability and prevent unexpected movement or collapse of construction being demolished.
1. Strengthen or add new supports when required during progress of demolition.
- C. Existing Utilities to Remain: Maintain utility services to remain and protect from damage during demolition operations.
1. Do not interrupt existing utilities serving adjacent occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction.
 2. Provide temporary services during interruptions to existing utilities, as acceptable to Owner and authorities having jurisdiction.
 - a. Provide at least 72 hours' notice to occupants of affected buildings if shutdown of service is required during changeover.
- D. Temporary Protection: Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction and as indicated. Comply with requirements in Section 015000 "Temporary Facilities and Controls."
1. Protect adjacent buildings and facilities from damage due to demolition activities.
 2. Protect existing site improvements, appurtenances, and landscaping to remain.

3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain.
 4. Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
 5. Provide protection to ensure safe passage of people around building demolition area and to and from occupied portions of adjacent buildings and structures.
 6. Protect walls, windows, roofs, and other adjacent exterior construction that are to remain and that are exposed to building demolition operations.
 7. Erect and maintain dustproof partitions and temporary enclosures to limit dust, noise, and dirt migration to occupied portions of adjacent buildings.
- E. Remove temporary barriers and protections where hazards no longer exist. Where open excavations or other hazardous conditions remain, leave temporary barriers and protections in place.

3.6 DEMOLITION, GENERAL

- A. General: Demolish indicated buildings and site improvements completely. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Do not use cutting torches until work area is cleared of flammable materials. Maintain portable fire-suppression devices during flame-cutting operations.
 2. Maintain fire watch during and for at least 3 hours after flame-cutting operations.
 3. Maintain adequate ventilation when using cutting torches.
 4. Locate building demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- B. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed trafficways if required by authorities having jurisdiction.
 2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations. Do not use water when it may damage adjacent construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- C. Explosives: Use of explosives is not permitted.

3.7 DEMOLITION BY MECHANICAL MEANS

- A. Proceed with demolition of structural framing members systematically, from higher to lower level. Complete building demolition operations above each floor or tier before disturbing supporting members on the next lower level.

- B. Remove debris from elevated portions of the building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
 - 1. Remove structural framing members and lower to ground by method suitable to minimize ground impact and dust generation.
- C. Salvage: Items to be removed and salvaged will be done so prior to demolition by the college.
- D. Below-Grade Construction: Demolish foundation walls and other below-grade construction.
 - 1. Remove below-grade construction, including basements, foundation walls, and footings, completely.
- E. Existing Utilities: Demolish and remove existing utilities and below-grade utility structures that are not being reused for new construction.

3.8 SITE RESTORATION

- A. Below-Grade Areas: Completely fill below-grade areas and voids resulting from building demolition operations with satisfactory soil materials and compacted every 8" installed in loose lifts to grade. The fill should be compacted to a minimum of 98% of the maximum dry density within +/- 2% of the optimum moisture content as determined by by ASTM D-698. There is not a basement in the existing church. Site to be graded to be ready to accept new paved areas.

3.9 REPAIRS

- A. Promptly repair damage to adjacent buildings caused by demolition operations.

3.10 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction. Recycle or dispose of them according to Section 017419 "Construction Waste Management and Disposal."
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Do not burn demolished materials.

3.11 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by building demolition operations. Return adjacent areas to condition existing before building demolition operations began.
 - 1. Clean roadways of debris caused by debris transport.

END OF SECTION 02 41 16

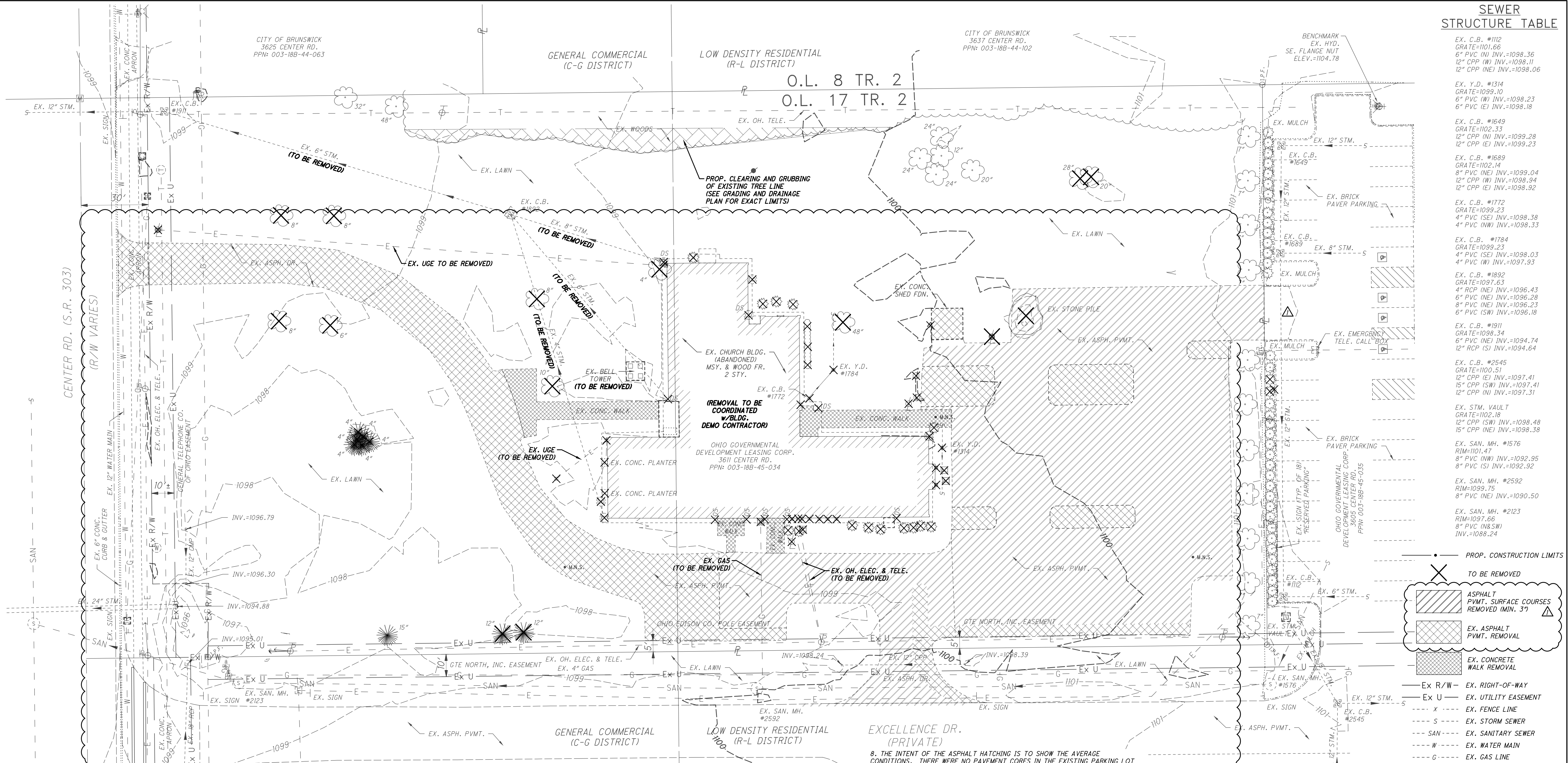
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BID QUESTIONS LOG - 05-11-21**Cuyahoga Community College
Brunswick Building Demolition and New Parking Lot**

RFI#	DATE RECEIVED	FROM		QUESTION	RESPONSE	REW/CLIENT
1	4/29/2021	Sitetech	Rick Kuehn	Referencing drawings C-200 Site Demo Plan and C-400 Site Plan. The demo drawing shows all existing asphalt paving to be removed where the site plan shows an area of the existing asphalt to remain and be milled and then overlaid. Could you please clarify which way to proceed?	Demo should read "EX. ASPHALT PVMT. SURFACE COURSES REMOVED" (MIN. 3")	MJC
2	5/4/2021	Fabrizi Trucking and Paving	Alex DiNigris	Drawing C-400 shows the existing asphalt parking lot to be resurfaced but on the demolition plan C-200 it calls for removal of asphalt pavement. Is this new pavement or resurface?	Demo should read "EX. ASPHALT PVMT. SURFACE COURSES REMOVED" (MIN. 3")	MJC
3	5/6/2021	E-Lighting Controls	Lisa Wallbrown	Can we quote an equal package to the attached LSI spec	This substitution has been incorporated into Addendum 1	RPL
4	5/6/2021	Infinity Paving	Jeff Jones	Is there a narrative that spells out the scope of work for each of the 2 bid packages – BP 1 Church Demo and BP 2 Sitework?	BP 1: is the demolition of the church and finish to grade. BP 2: Is the remainder of the site improvements	JRK
4	5/6/2021	Infinity Paving	Jeff Jones	What is the finish grade the church will be left at once demo'd? We will need this info to figure out the earthwork quantities.	See specification section 024116 Section 3.8 and C200 for more information.	MJC
4	5/6/2021	Infinity Paving	Jeff Jones	Are there soil borings available or information on the thickness of the existing pavements?	We don't have this information.	JRK/MJC
5	5/6/2021	Nerone	Jayesh Dharia	Are we allowed to bid package 2- Site work only? Or do we have to bid both packages Package 1 and package 2 -combined as shown on bid form.	Yes you can bid one or both of the bid packages listed.	JRK
5	5/6/2021	Nerone	Jayesh Dharia	Please provide details of proposed monument sign.	The actual sign is not included in this bid package. Site work and utilities are included.	JRK
6	5/7/2021	Fabrizi Trucking and Paving	Alex DiNigris	Do we need Professional Liability Insurance	Yes	JRK

SEWER STRUCTURE TABLE

EX. C.B. #112 GRATE=101.66 6" PVC (N) INV.=1098.36 12" CPP (W) INV.=1098.11 12" CPP (NE) INV.=1098.06
EX. Y.D. #1314 GRATE=1099.10 6" PVC (W) INV.=1098.23 6" PVC (E) INV.=1098.18
EX. C.B. #1649 GRATE=1022.33 12" CPP (N) INV.=1099.28 12" CPP (E) INV.=1099.23
EX. C.B. #1689 GRATE=1022.14 8" PVC (NE) INV.=1099.04 12" CPP (W) INV.=1098.94 12" CPP (E) INV.=1098.92
EX. C.B. #1772 GRATE=1099.23 4" PVC (SE) INV.=1098.38 4" PVC (NW) INV.=1098.33
EX. C.B. #1784 GRATE=1099.23 4" PVC (SE) INV.=1098.03 4" PVC (W) INV.=1097.93
EX. C.B. #1892 GRATE=1097.63 4" PVC (NE) INV.=1096.43 6" PVC (NE) INV.=1096.28 8" PVC (NE) INV.=1096.23 6" PVC (SW) INV.=1096.18
EX. C.B. #1911 GRATE=1098.34 6" PVC (NE) INV.=1094.74 12" RCP (S) INV.=1094.64
EX. C.B. #2545 GRATE=1100.51 12" CPP (E) INV.=1097.41 15" CPP (SW) INV.=1097.41 12" CPP (N) INV.=1097.31
EX. STM. VAULT GRATE=1102.18 12" CPP (SW) INV.=1098.48 15" CPP (NE) INV.=1098.38
EX. SAN. MH. #1576 RIM=1101.47 8" PVC (NW) INV.=1092.95 8" PVC (S) INV.=1092.92
EX. SAN. MH. #2592 RIM=1099.75 8" PVC (NE) INV.=1090.50
EX. SAN. MH. #2123 RIM=1097.66 8" PVC (N&S) INV.=1088.24



SITE DEMOLITION PLAN
SCALE: 1" = 20'-0"

- SITE DEMOLITION NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REMOVING ALL DEMOLITION DEBRIS FROM THE SITE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL PAVEMENT, PAVEMENT MARKINGS, FENCES, WALKS, LAWN AND LANDSCAPING AREAS THAT ARE DAMAGED AND/OR DESTROYED AS PART OF THESE IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.
 3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL PUBLIC AND PRIVATE UTILITIES THAT ARE DAMAGED AND/OR DESTROYED AS PART OF THESE IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.
 4. SEE SHEET C-301 FOR EROSION AND SEDIMENT CONTROL NOTES AND C-302 FOR EROSION AND SEDIMENT CONTROL DETAILS.
 5. PER THE U.S. FISH & WILDLIFE SERVICE, TREES MUST NOT BE CUT DOWN DURING THE MONTHS OF APRIL 1 THROUGH OCTOBER 15 IN ORDER TO PROTECT THE NORTHERN INDIANA BAT SPECIES. TREE REMOVAL IS DEFINED AS REMOVAL OF ALL TREES WITH A TRUNK DIAMETER EQUAL TO OR GREATER THAN 5 INCHES (SEE ODOT'S ECO TECHNICAL GUIDANCE ON INDIANA BAT AND NORTHERN LONG-EARED BAT PBO REVISED MAY 2018 DOCUMENT).
 6. A WETLANDS DELINEATION WAS NOT PERFORMED AS PART OF THIS PROJECT.
 7. UTILITIES NOTED TO BE ABANDONED ARE TO BE REMOVED AS NEEDED FOR THE PROPOSED CONSTRUCTION.

8. THE INTENT OF THE ASPHALT HATCHING IS TO SHOW THE AVERAGE CONDITIONS. THERE WERE NO PAVEMENT CORES IN THE EXISTING PARKING LOT OR DRIVES AND DEPTHS OF ASPHALT BASE AND SURFACE COURSES ARE ASSUMED.

9. FINISHED GRADE AFTER DEMOLITION OF EXISTING CHURCH BUILDING SHALL BE APPROXIMATELY 1099.50.

LEGEND

EX. CATCH BASIN	EX. GAS VALVE	EX. LIGHT POLE	EX. DECIDUOUS TREE TYPE	⊙ I.P.F. CAPPED IRON PIN FOUND
EX. STORM MANHOLE	EX. GAS METER	EX. TRAFFIC SIGNAL POLE	EX. CONIFEROUS TREE TYPE	□ TACKED HUB SET
EX. SANITARY MANHOLE	EX. GAS MARKER	EX. WATER VALVE	EX. EVERGREEN TREE	○ EX. POST
EX. CLEAN-OUT	EX. TELEPHONE MARKER	EX. IRRIGATION CONTROL VALVE	EX. SHRUB	± EX. 1 OR 2 POST SIGN
EX. ELECTRIC MANHOLE	EX. TELEPHONE MANHOLE	EX. WATER METER MANHOLE	EX. BOLLARD LIGHTING	→ EX. FLOW DIRECTION
EX. ELECTRIC PULLBOX	EX. TELEPHONE PULLBOX	EX. FIRE HYDRANT	M.N.S. MAG NAIL SET	--- 1100 --- EX. MAJOR CONTOUR
EX. TRAFFIC BOX	EX. MONITOR WELL	EX. UNKNOWN MANHOLE	RR SPIKE SET	--- 1101 --- EX. MINOR CONTOUR

REVISIONS

REV	DATE	DESCRIPTION	BY
0	05/11/21	ADDENDUM 1	WTV
0	04/20/21	BID	WTV

REFERENCE DRAWINGS

REWARNER & ASSOCIATES
LA OFFICE PLAZA II SUITE 200
25777 DETROIT ROAD
WESTLAKE, OHIO 44145
TELEPHONE (440) 835-9400

ISSUED FOR
BID PURPOSES ONLY
MAY 11, 2021
R.E. Warner & Assoc. Inc.

NEW JOB # 29220

DESIGN BY	MJC
DRAWN BY	WTV
CHECK BY	MJC
DATE	12/18/20
SCALE	AS NOTED

CUYAHOGA COMMUNITY COLLEGE
BRUNSWICK UNIVERSITY CENTER
3605 CENTER ROAD
BRUNSWICK, OHIO 44212

DISCIPLINE CIVIL

DRAWING TITLE	SITE DEMOLITION PLAN
DRAWING NUMBER	C200

OHIO Utilities Protection SERVICE
Call Before You Dig
CALL 8-1-1 or 1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)
OIL & GAS PRODUCERS PROTECTIVE SERVICE CALL: 1-800-925-0988

- # SHEET KEYNOTES:
1. DEMO EXISTING SIGN. REMOVE CONDUIT AND PULL CABLES BACK TO ELECTRICAL JUNCTION BOX.
 2. INSTALL NEW SIGN WITH WEATHERPROOF GROUND FAULT INTERRUPTER SERVICE RECEPTACLE. FEED FROM EXISTING SIGN CIRCUIT, USING NEW FEEDER CONDUCTORS. INSTALL CIRCUIT BREAKER, SIZE PER MANUFACTURER'S INSTRUCTIONS.
 3. CONTRACTOR TO PROVIDE HAND HOLES WHERE NEEDED.
 4. INSTALL NEW POLICE CALL BOX. POWER FROM SPARE DEDICATED BREAKER IN PANEL P1 (P1-24) VIA 2#10, 1#10G, 1" C. FOR DETAIL, SEE DRAWING E500. COORDINATE CAMERA AND INTERCOM INTEGRATION WITH TRI-C IT DEPARTMENT.
 5. INSTALL CAMERA MOUNTED HIGH ON LIGHT POLE. CONNECT CAMERA BACK TO EXISTING CAMERA SYSTEM IN MDF ROOM. COORDINATE CAMERA INTEGRATION WITH TRI-C IT DEPARTMENT. FOR SCHEMATIC, SEE DRAWING E500.
 6. INSTALL CAMERAS SO AS TO CAPTURE IMAGES OF LICENSE PLATES AND VEHICLE OCCUPANTS. CONTRACTOR TO PROVIDE POLE OR OTHER MOUNTING SOLUTION. CONNECT CAMERAS BACK TO EXISTING CAMERA SYSTEM IN MDF ROOM. COORDINATE CAMERA INTEGRATION WITH TRI-C IT DEPARTMENT. FOR SCHEMATIC, SEE DRAWING E500.
 7. STUB UP CONDUITS OUTSIDE ELECTRICAL ROOM FOR THE FOLLOWING CIRCUITS:
 - 1" CDT: LIGHTS POWER (277V, FROM LP-16)
 - 1" CDT: EAST CAMERAS CAT-6 (POE)
 - 1" CDT: WEST CAMERAS CAT-6 (POE)
 - 1" CDT: POLICE BOX POWER (120V, FROM P1-24)
 - 1" CDT: POLICE BOX COMMS CAT-6 (POE)
 - (5) 1" CDT: SPARES
- ROUTING SHOWN IS DIAGRAMMATIC. ROUTE CONDUIT TO AVOID INTERFERENCES WITH EXISTING UTILITIES. SEE CIVIL DRAWINGS AND EXISTING ROBERT MANSHEK ELECTRICAL SITE PLAN (E.002) FOR ALL EXISTING AND NEW SITE UTILITIES AND POLE LOCATIONS.
8. (5) 1" SPARE CONDUITS TO BE INSTALLED FOR FUTURE EXPANSION. TO BE PRICED AS ALTERNATE.

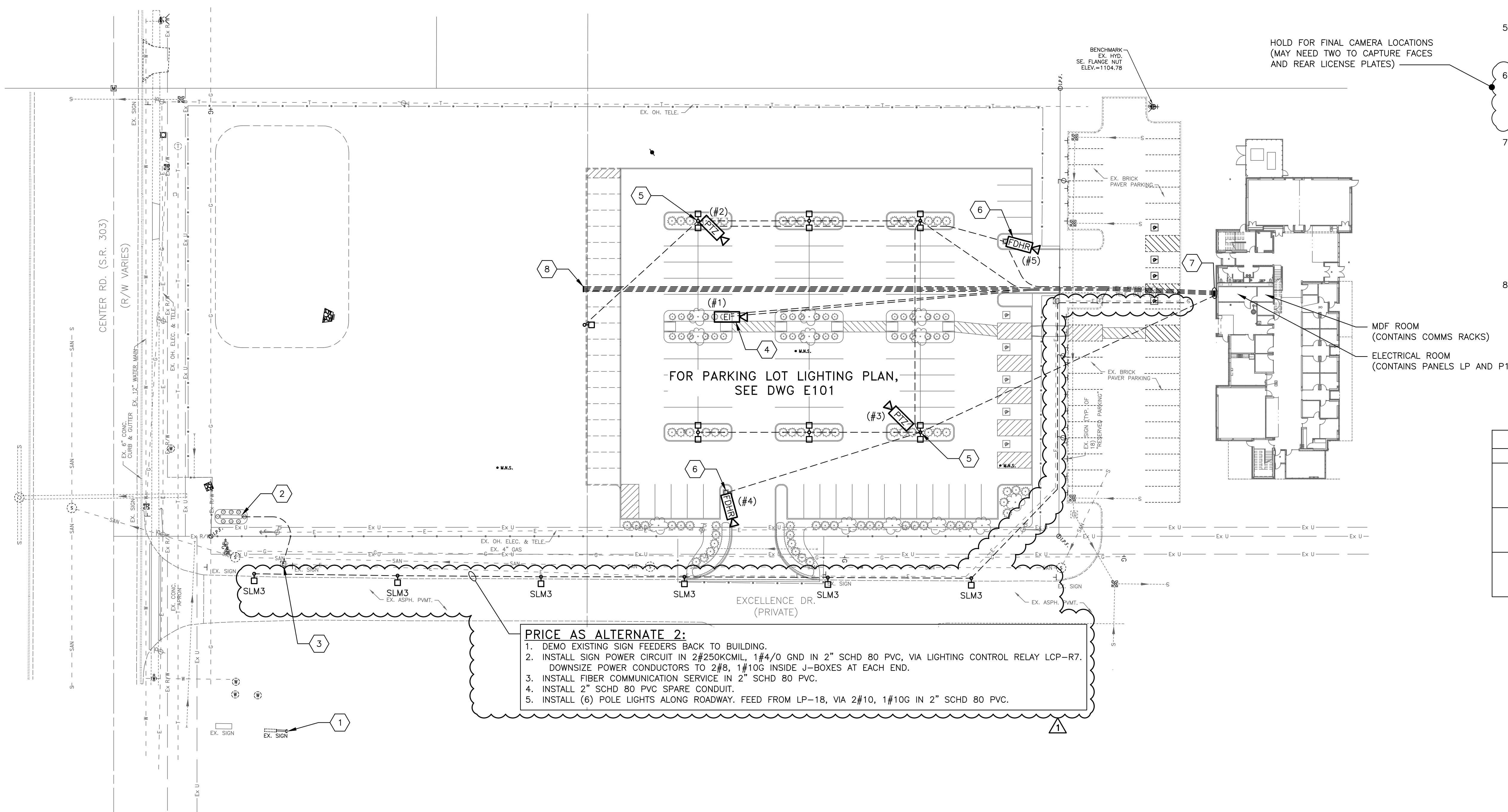
HOLD FOR FINAL CAMERA LOCATIONS (MAY NEED TWO TO CAPTURE FACES AND REAR LICENSE PLATES)

SECURITY SYMBOL LEGEND:

SYMBOL	DESCRIPTION
	EXTERIOR WEATHERPROOF CAMERA, WITH PAN, TILT, AND ZOOM OPERATION. MOUNTED ON LIGHT POLE.
	EXTERIOR WEATHERPROOF CAMERA, FIXED DOME, HIGH RESOLUTION. MOUNTED ON POLE.
	EMERGENCY INTERCOM CALL BOX, AFFIXED WITH EXTERIOR WEATHERPROOF CAMERA WITH PAN, TILT, AND ZOOM OPERATION.

PRICE AS ALTERNATE 2:

1. DEMO EXISTING SIGN FEEDERS BACK TO BUILDING.
2. INSTALL SIGN POWER CIRCUIT IN 2#250KCMIL, 1#4/0 GND IN 2" SCHD 80 PVC, VIA LIGHTING CONTROL RELAY LCP-R7. DOWNSIZE POWER CONDUCTORS TO 2#8, 1#10G INSIDE J-BOXES AT EACH END.
3. INSTALL FIBER COMMUNICATION SERVICE IN 2" SCHD 80 PVC.
4. INSTALL 2" SCHD 80 PVC SPARE CONDUIT.
5. INSTALL (6) POLE LIGHTS ALONG ROADWAY. FEED FROM LP-18, VIA 2#10, 1#10G IN 2" SCHD 80 PVC.



PARKING LOT SITE POWER PLAN
SCALE: 1/32" = 1'-0"

REW ELECTRONIC DRAWING FILE DISCLAIMER
THIS DRAWING IN ELECTRONIC FORM IS BEING PROVIDED FOR THE CLIENT'S USE ONLY. BECAUSE OF POTENTIAL DATA DEGRADATION AND FOR RECORD PURPOSES, P.E. WARNER AND ASSOCIATES INC. (REW) MAINTAINS AN ELECTRONIC COPY IN PORTABLE DOCUMENT FORMAT (ADOBE PDF) OF EACH ISSUE AS THE COPY OF RECORD. MODIFICATION AND/OR USE OF THIS FILE WITHOUT WRITTEN PERMISSION OF REW IS AT THE SOLE RISK OF THE USER. REW SHALL BE INDEMNIFIED AND HELD HARMLESS FOR ANY DAMAGES INCURRED CAUSED BY THE MISUSE OF THIS FILE BY THE USER, INCLUDING COSTS OF REW LEGAL EXPENSES INCLUDING BUT NOT LIMITED TO REW DEFENSE OF ANY CLAIMS, INCLUDING ATTORNEY FEES.

REV	DATE	DESCRIPTION	BY
1	05/11/21	ADDENDUM 1	DLW
0	04/20/21	BID	DLW

REVISIONS	REFERENCE DRAWINGS

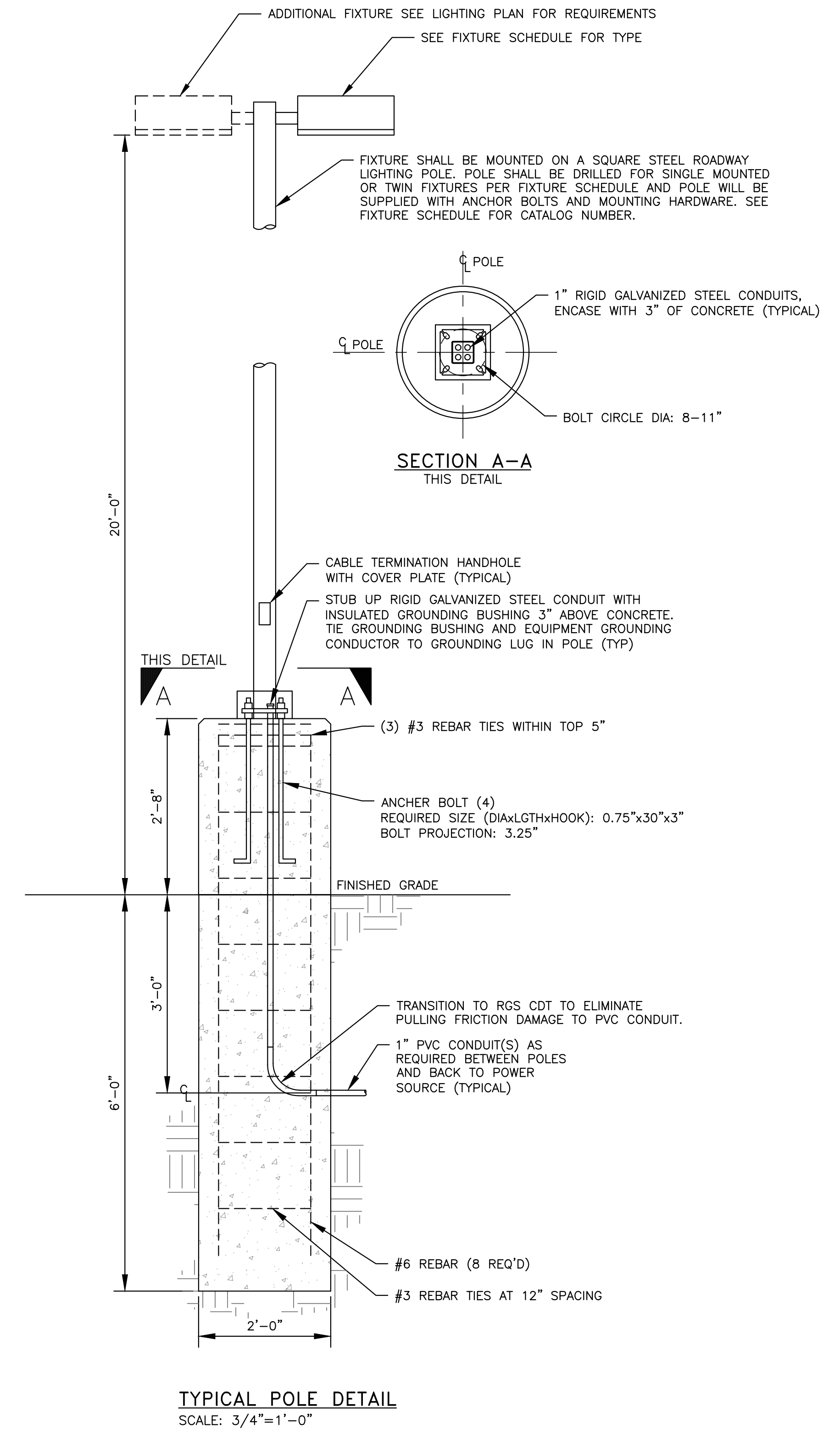
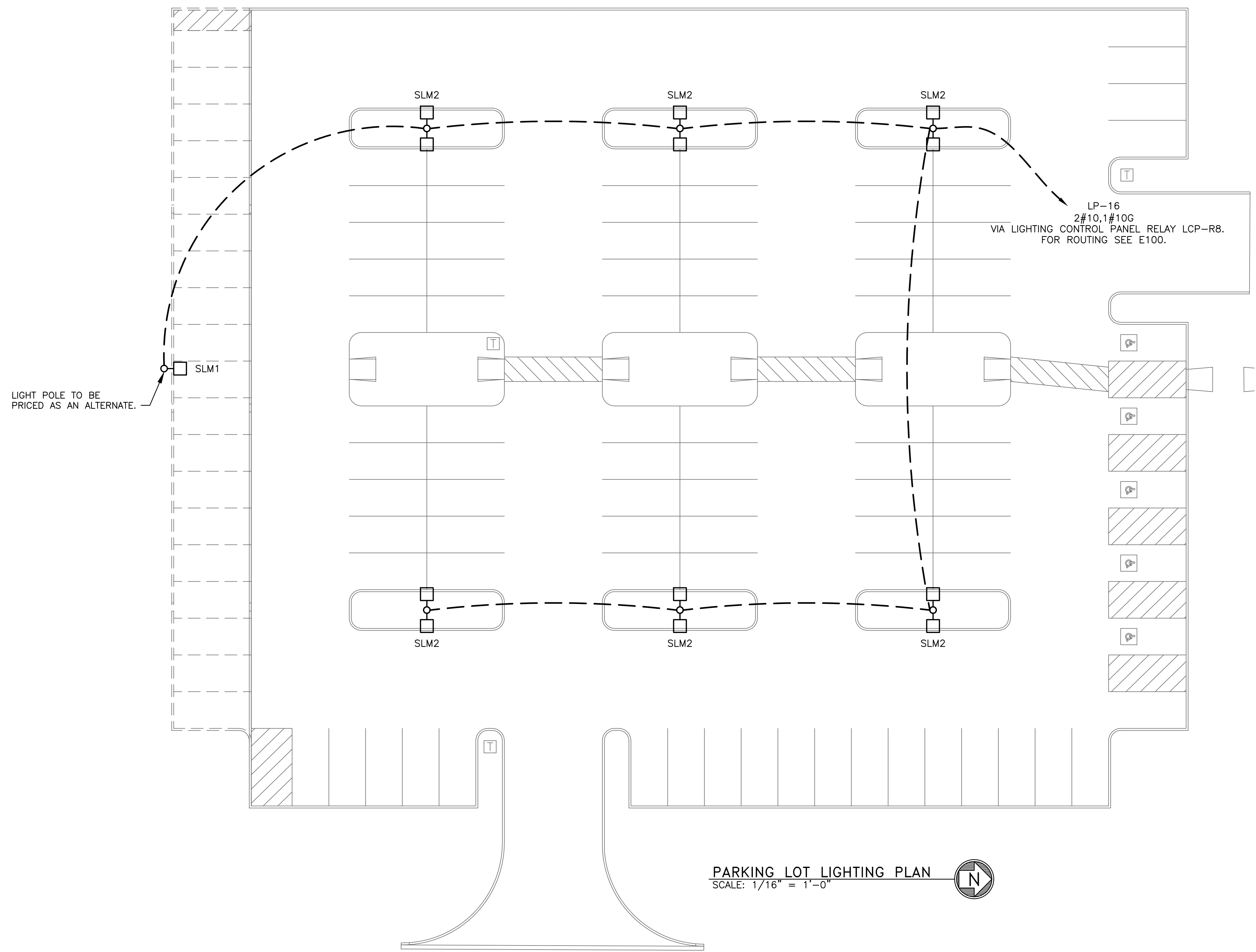
REW WARNER & ASSOCIATES
LA OFFICE PLAZA II SUITE 200
25777 DETROIT ROAD
WESTLAKE, OHIO 44145
TELEPHONE (440) 835-9400

ISSUED FOR
BID PURPOSES ONLY
MAY 11, 2021
R.E. Warner & Assoc. Inc.

REW JOB #	29220
DESIGN BY	RPL
DRAWN BY	RPL
CHECK BY	DLW
DATE	01/07/21
SCALE	AS NOTED

CUYAHOGA COMMUNITY COLLEGE
BRUNSWICK UNIVERSITY CENTER
3605 CENTER ROAD
BRUNSWICK, OHIO 44212

DISCIPLINE	ELECTRICAL
DRAWING TITLE	PARKING LOT SITE POWER PLAN
DRAWING NUMBER	E100



LIGHTING FIXTURE SCHEDULE									
TYPE	SYMBOL	LUMINAIRE		LAMP TYPE	DESCRIPTION	MOUNTING	MANUFACTURER		
		WATTS	VOLTS				NAME	CATALOG NUMBER	
SLM1		135	120-277	LED 4000K 18,000 LUMENS	POLE MOUNTED PARKING LOT FIXTURE, DIE CAST ALUMINUM HOUSING, WITH SILICONE LENSES AND INTEGRAL HOUSE SIDE SHIELD. 18"x4"x4" SQUARE STEEL POLE, TYPE 3 DISTRIBUTION.	POLE MOUNT, 20'-0" ABOVE GRADE	LSI INDUSTRIES	'SLM LED 18L SIL 3 UNV DIM 40 70CRI XXX' 1H' FIXTURE WITH '4SQ B3 S11G 18 S XXX' POLE	
SLM2		(2)x135	120-277	LED 4000K 18,000 LUMENS	SAME AS SLM1, BUT WITH 2 FIXTURES PER POLE	POLE MOUNT, 20'-0" ABOVE GRADE	LSI INDUSTRIES	TWO (2) 'SLM LED 18L 3 UNV DIM 40 70CRI XXX' FIXTURES WITH '4SQ B3 S11G 18 D180 XXX' POLE	
SLM3		135	120-277	LED 4000K 18,000 LUMENS	SAME AS SLM1, BUT WITH A TYPE 2 DISTRIBUTION AND INTEGRAL LOUVER FOR LIGHT CUTOFF.	POLE MOUNT, 20'-0" ABOVE GRADE	LSI INDUSTRIES	'SLM LED 18L SIL 2 UNV DIM 40 70CRI XXX' 1L' FIXTURE WITH '4SQ B3 S11G 18 S XXX' POLE	

1 XXX INDICATES FINISH, TO BE COORDINATED WITH OWNER.

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REV	DATE	DESCRIPTION	BY
1	05/11/21	ADDENDUM 1	DLW
0	04/20/21	BID	DLW

REWARNER & ASSOCIATES
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 WESTLAKE, OHIO 44145
 TELEPHONE (440) 835-9400

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 MAY 11, 2021
 R.E. Warner & Assoc. Inc.

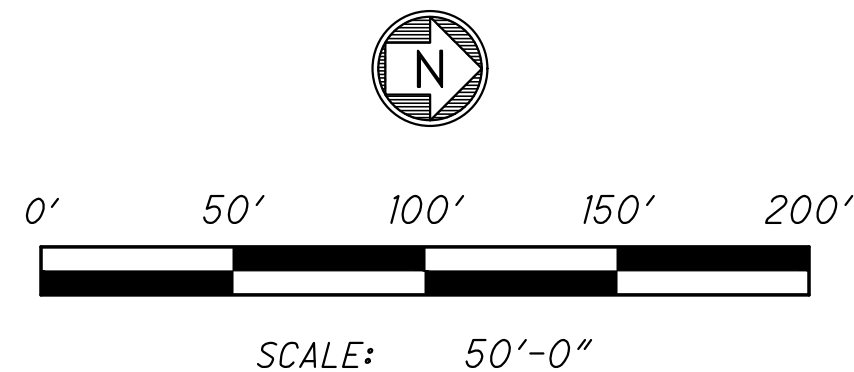
DESIGN BY	RPL
DRAWN BY	RPL
CHECK BY	DLW
DATE	01/07/21
SCALE	AS NOTED

CUYAHOGA COMMUNITY COLLEGE
 BRUNSWICK UNIVERSITY CENTER
 3605 CENTER ROAD
 BRUNSWICK, OHIO 44212

DISCIPLINE	ELECTRICAL
DRAWING TITLE	PARKING LOT LIGHTING PLAN
DRAWING NUMBER	E101

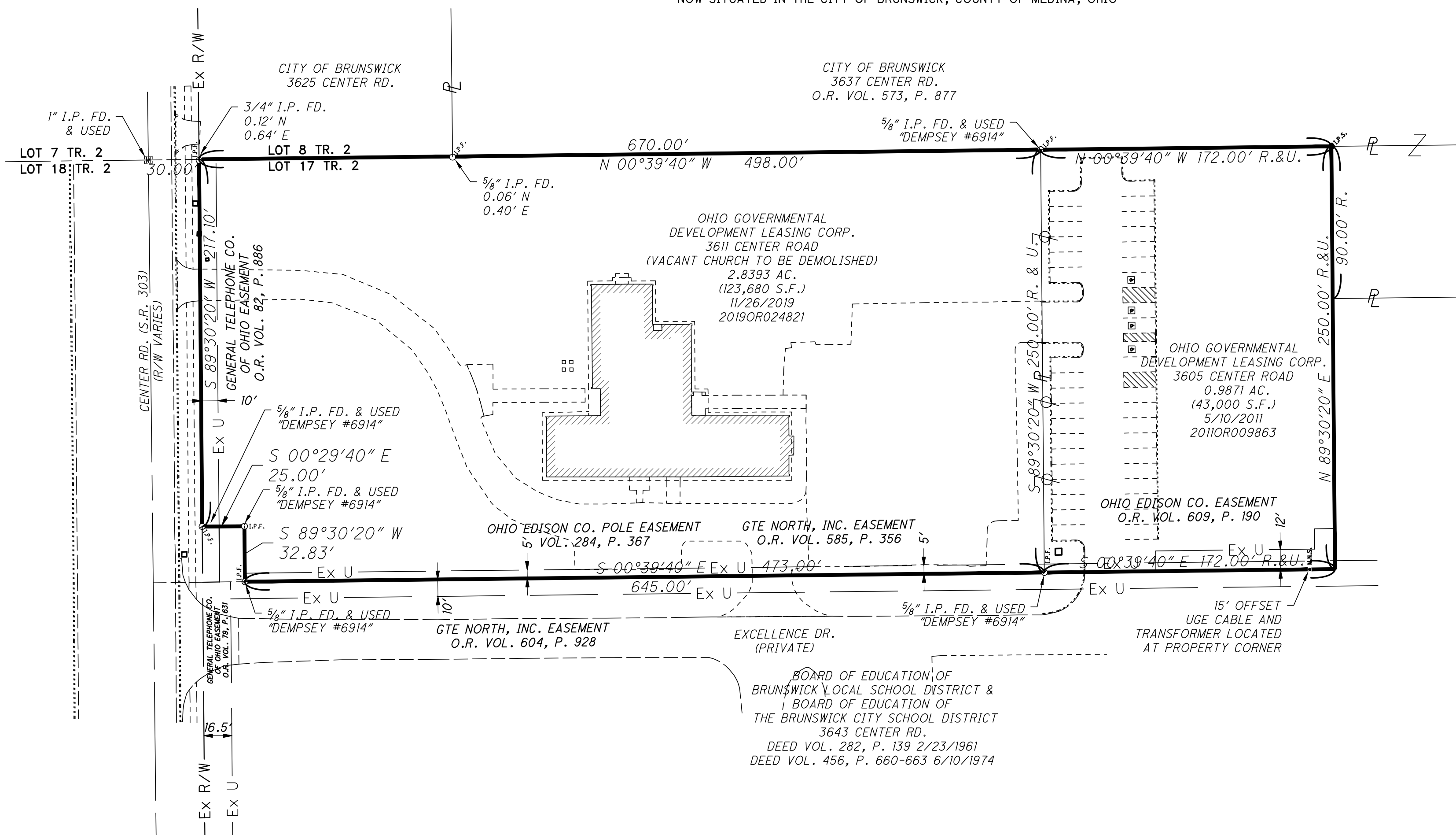
**PLAT OF CONSOLIDATION
FOR
CUYAHOGA COMMUNITY COLLEGE
BRUNSWICK CAMPUS**

LEGEND



BEING A PART OF ORIGINAL BRUNSWICK TOWNSHIP LOT NO. 17, TRACT NO. 2
IN TOWNSHIP 4, RANGE 14 OF THE CONNECTICUT WESTERN RESERVE
NOW SITUATED IN THE CITY OF BRUNSWICK, COUNTY OF MEDINA, OHIO

- I.P.S. 5/8" CAPPED IRON PIN SET "REWARNER"
- M.N.S. MAG NAIL SET
- ☐ MONUMENT BOX FOUND
- ⊙ I.P.F. CAPPED IRON PIN FOUND
- I.P.F. IRON PIN FOUND
- EX. RIGHT-OF-WAY
- EX. UTILITY EASEMENT
- EX. CHANNEL EASEMENT
- EX. CENTERLINE R/W
- EX. PROPERTY LINE



BASIS OF BEARINGS

THE BASIS OF BEARINGS ARE THE WESTERLY LINE OF ORIGINAL BRUNSWICK TOWNSHIP LOT NO. 17 ASSUMED FROM MEDINA COUNTY ENGINEER'S RECORDS BOOK 46, PAGE 46. (N 00° 39' 40" W) DEFINED BY MONUMENTATION SHOWN HEREON.

(R.) RECORD (C.) CALCULATED

REFERENCES

PLAT OF SURVEY AND LOT SPLIT BY CT CONSULTANTS
MEDINA COUNTY ENGINEER'S RECORDS BOOK 46, PAGE 46.

CANC. DOCUMENT #2019OR024826
MEDINA COUNTY RECORDER'S RECORDS

ASSIG. DOCUMENT #2017OR004740
MEDINA COUNTY RECORDER'S RECORDS

DEEDS AND PLATS AS SHOWN, MEDINA COUNTY RECORDER'S RECORDS.

APPROVALS

THIS PLAT OF CONSOLIDATION IS HEREBY APPROVED BY THE PLANNING COMMISSION OF THE CITY OF BRUNSWICK, OHIO.

CHAIRMAN _____ DATE _____
CITY OF BRUNSWICK PLANNING COMMISSION

THIS PLAT OF CONSOLIDATION IS HEREBY APPROVED BY THE ENGINEER OF THE CITY OF BRUNSWICK, OHIO.

ENGINEER _____ DATE _____
CITY OF BRUNSWICK

SURVEYOR'S CERTIFICATION

I HEREBY STATE THAT THIS PLAT IS BASED ON AN ACTUAL FIELD SURVEY CONDUCTED BY ME AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 4733-37 STANDARD FOR BOUNDARY SURVEYS OF THE OHIO ADMINISTRATIVE CODE AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A BOUNDARY SURVEY AS SPECIFIED THEREIN.

DUSTIN R. ADDAIR _____ DATE _____
OHIO PROFESSIONAL LAND SURVEYOR NO. 8752

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**ISSUED FOR
REVIEW ONLY
MAY 11, 2021
R.E. Warner & Assoc. Inc.**

AREA TABLE

	PARCEL -034	PARCEL -035	TOTAL (ACRES)
CONSOLIDATION	2.8393	0.9871	3.8264

REV	DATE	DESCRIPTION	BY
A	05/11/21	CITY REVIEW	MJC



LA OFFICE PLAZA II SUITE 200
25777 DETROIT ROAD
WESTLAKE, OHIO 44145
TELEPHONE (440) 835-9400



REW JOB #	29220
DESIGN BY	DRA
DRAWN BY	MJC
CHECK BY	DRA
DATE	03/23/21
SCALE	AS NOTED

CUYAHOGA COMMUNITY COLLEGE
BRUNSWICK UNIVERSITY CENTER
3605 CENTER ROAD
BRUNSWICK, OHIO 44212

DISCIPLINE	SURVEY
DRAWING TITLE	PLAT OF CONSOLIDATION
DRAWING NUMBER	SV001