



VIA UPS AND ELECTRONIC MAIL

July 22, 2022

Melanie A. Bachman, Esq.
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: The United Illuminating Company's Notice of Exempt Modification Pursuant to R.C.S.A. § 16-50j-58 to Existing Energy Facility Site at Indian Well Substation ("Notice of Exempt Modification")

Dear Ms. Bachman:

Pursuant to Regulations of Connecticut State Agencies ("R.C.S.A.") §16-50j-58, The United Illuminating Company ("UI" or "Company") hereby notifies the Connecticut Siting Council (the "Council") of its intent to make exempt modifications to its Indian Well Substation ("Facility" or "Energy Facility"). The \$625 filing fees, along with 2 copies of this Notice of Exempt Modification, are enclosed herewith.

Existing Energy Facility

The Facility is located at 200 Roosevelt Drive in the City of Derby at 41° 19'31.81"N and 73° 5'59.85"W and is bounded as follows:

Beginning at a point along the southwest corner of the City of Derby property so-called "Canal Street"

Thence 177.70 feet along N/F City of Derby

Thence 178 feet along N/F The Shelton Canal Company Thence

210 feet along the Housatonic River at high water

Thence 285 feet along IDA Properties Inc. to the point of beginning

Parcel contains 42,500 square feet or .9 acres more or less.

Indian Well Substation is a single 115-kV breaker two transformer substation.

100 Marsh Hill Road, Orange, CT 06477
Telephone 888.UITENYR, Fax 203.926.4664
www.uinet.com



An equal opportunity employer

Aerial Photo of the Facility





Site and Equipment
Looking east into existing 115-kV yard at Indian Well Substation



Looking west into existing 115-kV yard at Indian Well Substation

Proposed Modifications

UI is proposing the installation of an underground splice chamber (approximately 8'x14'x7'), two vista switches and new conduit line along the southern portion of the UI property to interconnect the 14 MW fuel cell generator system (Derby Fuel Cell Project, CSC Petition No. 1372) to the 13kV UI Indian Well Substation (see below). The proposed modifications will not impact the existing Facility's structural capability or impact electric and magnetic fields or noise levels.



Compliance with R.C.S.A. § 16-50j-57(b)

Pursuant to R.C.S.A. §16-50j-57(b), the proposed changes do not constitute a modification to an existing facility that may have a substantial adverse environmental effect and are exempt from the requirement to obtain a certificate pursuant to Section 16-50k of the Connecticut General Statutes. Specifically, consistent with R.C.S.A. § 16-50j-57(b), the proposed changes to the existing site do not:

- (A) Extend the boundaries of the site beyond the existing fenced compound.
- (B) Increase the height of existing associated equipment.
- (C) Increase noise levels at the site boundary by 6 decibels or more, or to levels that exceed state and local criteria.
- (D) Impact electric and magnetic field levels at the site boundary in a manner that is inconsistent with the Council's Best Management practices for Electric and Magnetic Fields.
- (E) Cause a significant adverse change or alteration in the physical or environmental characteristics of the site.
- (F) Impair the structural integrity of the facility, as determined in a certification provided by a professional engineer licensed in Connecticut, where applicable.

The project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics because:

- (A) The proposed changes would be located within the Substation's existing fence line.
- (B) The Substation's fenced area would not be expanded.
- (C) The equipment would be no taller than existing equipment within the Substation.
- (D) There would be no change to the existing television or radio interference resulting from the modifications of the Substation.
- (E) Sound-pressure levels at all points along properties lines would continue to meet state regulations set out in R.C.S.A. §§ 22a-69-1 et seq.
- (F) The project work would not affect water resource areas.
- (G) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate construction for the Indian Well breaker replacement on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at 585-553-0576 should you have any questions regarding this notice.

Sincerely,

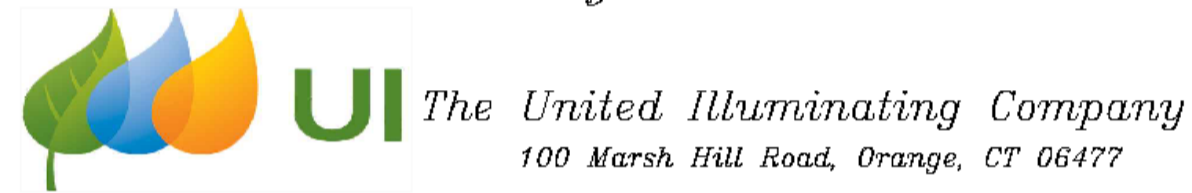
Sergio Murillo

Sergio Murillo
Project Manager – Innovative Projects
The United Illuminating Company

cc: The Honorable Mayor Richard Dziekan, City of Derby
Todd Berman, The United Illuminating Company
Jasun Van Horn, The United Illuminating Company

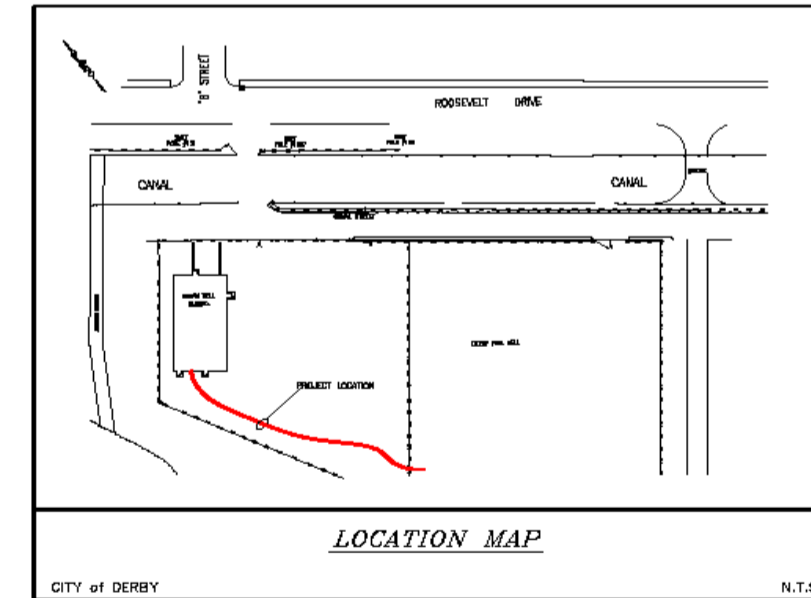
Attachment 1: Civil Underground Construction Work Order 62005154

CIVIL UNDERGROUND CONSTRUCTION
WORK ORDER 62005154
NEW SERVICE FEED FOR CUSTOMER SERVICE
DERBY FUEL CELL PROJECT
CITY of DERBY



DRAWING LEGEND LIST	
DWG. NO.	CONTENT
CVR-1	COVER SHEET
GN-1	GENERAL CONSTRUCTION/PROJECT NOTES
P-1	PLAN VIEW
DET-1	DETAILS

- CONSTRUCTION PLAN LEGEND**
- PROPOSED U.I. CONDUIT AND SPLICE CHAMBER
 - EXISTING U.I. CONDUIT AND SPLICE CHAMBER
 - EXISTING TEL. CO. CONDUIT AND MANHOLE
 - EXISTING TRAFFIC CONTROL CONDUIT AND/OR LOOPS
 - EXISTING GAS MAIN
 - EXISTING WATER MAIN
 - EXISTING SANITARY, STORM, & DRAINAGE SYSTEM
 - ROCK OR ROCK OUTCROP
 - RETAINING WALL
 - WIRE ROPE GUIDE RAIL
 - METAL BEAM GUIDE RAIL
 - FENCE
 - HEDGE
 - STONE WALL
 - HIGHWAY AND/OR STREET LINE & MONUMENT
 - CATCH BASIN
 - WATER GATE OR GAS GATE
 - UTILITY POLE
 - FIRE HYDRANT
 - TREE
 - MARSH OR SWAMP
- SCALE AS NOTED
- TRAFFIC SPAN POLE BASE
 - LIGHT POLE
 - TEST PIT LOCATION



RFP - 04/19/2022 WO 62005154



No.	Date	Revision	By	Chkd.	Engn.	Supv.

GENERAL NOTES:

- U.I. CONTRACTOR TO PROVIDE AS-BUILT INFORMATION 10 DAYS AFTER COMPLETION OF CONDUIT INSTALLATION WORK.
- THE LOCATIONS OF UNDERGROUND STRUCTURES SHOWN HEREIN ARE DEPICTED ACCORDING TO THE BEST AVAILABLE INFORMATION. THEY ARE NOT GUARANTEED TO BE CORRECT OR COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM ALL CONDITIONS IN THE FIELD AND MAKE ADJUSTMENTS AS REQUIRED TO ACCOMMODATE THE WORK BY GETTING APPROVAL FROM U.I. CONSTRUCTION MANAGEMENT FIRST. IT IS ASSUMED ALL PREMISES HAVE WATER, GAS, TEL. ELEC. SEWER, ETC. LATERAL CROSSINGS WHICH SHOULD BE INCLUDED IN THE BASE BID.
- ANY QUESTIONS REGARDING THE CIVIL ENGINEERING DESIGN OF THESE CONSTRUCTION PLANS SHOULD BE REFERRED TO U. I. DISTRIBUTION ENGINEER RICK PINE AT 203-926-4470.
- DO NOT DEVIATE FROM THESE PLANS WITHOUT FIRST CONTACTING U.I. CIVIL CONSTRUCTION MANAGERS:
 - BRUCE BEEM 203-499-2657 (OFFICE) - ANTHONY ANTONINO 203-926-4697 (OFFICE) - WILLIAM SCHUBERT 203-499-3781 (OFFICE)
 203-535-7481 (CELL) 203-641-8072 (CELL) 203-215-2986 (CELL)
- CONTRACTOR TO ARRANGE TO HAVE ALL FOREIGN UTILITIES VERIFY THEIR LOCATIONS IN THE FIELD PRIOR TO START OF EXCAVATION WORK BY CONTACTING CALL-BEFORE-YOU-DIG AT 1-800-922-4455 OR "B11", OR ON THEIR WEBSITE, www.cybd.com. NOT ALL UTILITY SERVICES TO PROPERTIES ARE SHOWN. REFER TO NOTE 2 ABOVE.
- U.I. CONTRACTOR TO NOTIFY ALL ADJUTING PROPERTY OWNERS ON BOTH SIDES OF THE STREET WITHIN THE PROJECT LIMITS TO MAKE THEM AWARE OF THE PROPOSED CONSTRUCTION AND TO COORDINATE DRIVEWAY AND PEDESTRIAN ACCESS TO PROPERTIES AND BUSINESSES. APPROPRIATE FORMS OF COMMUNICATION MAY INCLUDE DOOR HANGERS, VERBAL COMMUNICATION, SIGNAGE IN ADVANCE OF WORK, AND NOTICE TO MUNICIPAL AND D.O.T. WEB SITES.
- PROTECT ALL MUNICIPAL, STATE, AND FEDERAL SURVEY CONTROL MONUMENTS AND BENCH MARKS. CONTRACTOR TO CONTACT RESPECTIVE MUNICIPAL ENGINEERING DEPARTMENTS FOR TYPES AND LOCATIONS BEFORE STARTING WORK AS REQUIRED. ANY TRAFFIC LOOP DISTURBED DURING CONDUIT INSTALLATION MUST BE RESTORED UPON COMPLETION OF ALL WORK.
- PROTECT ALL PLANTS AND TREES AND THEIR ROOT SYSTEMS FROM MECHANICAL AND ENVIRONMENTAL DAMAGE DURING EXCAVATION. BACKFILL ROOT AREAS WITH SOIL HAVING TEXTURE AND FERTILITY TO SUSTAIN PLANT LIFE. CONTRACTOR TO REMOVE ALL ROOTS OF DEAD TREE STUMPS FROM TRENCH PRIOR TO PLACING CONDUIT. U.I. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF NECESSARY EROSION CONTROL (SILT SACKS, HAY BALES, CHECK DAMS, ETC.) APPROVED BY THE CITY OF DERBY AS REQUIRED FOR THE DURATION OF THE PROJECT AS SHOWN ON PLANS.
- THE FOLLOWING MINIMUM CLEARANCES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED:

UTILITY	CROSSING	PARALLEL
GAS MAIN	12"	24"
GAS SERVICE	12"	12"
WATER MAIN	18"	18"
WATER SERVICE	12"	12"
TELEPHONE/COMMUNICATION FACILITIES	12"	12"
STORM & SANITARY SEWERS	12"	12"
BRICK SANITARY SEWERS	60"	60"
STEAM LINES	48"	120"
TRANSMISSION LINES	48"	120"

UTILITY SERVICES AND LATERALS TO BUILDINGS ARE NOT SHOWN ON THESE PLANS. CONTRACTOR TO VERIFY THEIR LOCATIONS IN THE FIELD AND SUPPORT, PROTECT, MAINTAIN, AND WORK AROUND THEM AS REQUIRED IN ORDER TO COMPLETE THE PROPOSED WORK.

- ALL CONTRACTOR'S EQUIPMENT MUST STAY 10' MIN. AWAY FROM ALL ENERGIZED OVERHEAD DISTRIBUTION CONDUCTORS AND 15' MIN. AWAY FROM OVERHEAD TRANSMISSION CONDUCTORS WITH CURRENT OSHA REGULATIONS 1910.333. IT IS THE RESPONSIBILITY OF THE BIDDING CONTRACTORS TO VISIT THE PROPOSED SITE AND TAKE INTO ACCOUNT ALL ENERGIZED OVERHEAD LINES (INCLUDING SERVICES) AND SHALL BE PART OF THEIR BASE BID.
- CONDUIT TO BE PLACED AT MINIMUM 30" BELOW ELEVATION OF NEAREST PORTION OF ROAD PAVEMENT UNLESS OTHERWISE NOTED. SPLICE CHAMBERS/VAULTS TO HAVE A MINIMUM 18" OF COVER FROM NEAREST ROAD PAVEMENT UNLESS OTHERWISE NOTED.
- ALL WORK MUST COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL CODES, AS WELL AS THE REQUIREMENTS OF THE NATIONAL ELECTRIC SAFETY CODE AND OSHA (LATEST EDITIONS).
- IN AREAS WHERE EXCAVATION IS IN ROCK LEDGE, PROVIDE A SIX (6) INCH MINIMUM SELECT FILL CUSHION AROUND CONDUITS AND TWELVE (12) INCH CUSHION AROUND SPLICE CHAMBERS/VAULTS.
- "UNUSABLE" CONDUIT SCRAP SUCH AS CUT OFF ENDS, BROKEN OR SPLIT STOCK, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN AN ENVIRONMENTALLY SAFE MANNER.
- U.I. CONTRACTOR MUST OBTAIN PERMITS FOR THIS WORK FROM THE CITY OF DERBY DEPARTMENTS OF TRAFFIC AND PARKING, AND ENGINEERING PRIOR TO START OF CONSTRUCTION. ALL TRAFFIC PERMITS AND PLANS SHALL BE ON SITE AT ALL TIMES. REFER TO TRAFFIC MAINTENANCE PLANS FOR ALLOWABLE WORK HOURS AND DAYS. U.I. CONTRACTOR IS RESPONSIBLE TO SECURE THEIR OWN TRAFFIC PERMITS WITH THE CITY OF DERBY FOR CONDUIT PROOFING, MILLING AND PAVING, ETC. COPIES OF ALL PERMITS ISSUED FOR THIS WORK BY THE CITY OF DERBY MUST BE ON SITE AT ALL TIMES DURING THE WORK AND BE ABLE TO BE REVIEWED FOR INSPECTION BY U.I. AND/OR CITY OF DERBY UPON REQUEST.
- PROVIDE, INSTALL, AND MAINTAIN ALL CONCRETE BARRIERS, TRAFFIC BARRELS, TEMPORARY CONSTRUCTION FENCING, TRAFFIC SIGNS, TEMPORARY LINE STRIPING, ETC. TO MAINTAIN MOTOR VEHICLE AND PEDESTRIAN TRAFFIC THROUGHOUT THE WORK LIMITS AS SHOWN, AND, AS REQUIRED BY THE CITY OF DERBY SEE TRAFFIC PLANS FOR APPROVED TRAFFIC MAINTENANCE AND PROTECTION DETAILS. (POLICE PRESENCE REQUIRED, MINIMUM TWO OFFICERS, DURING CONSTRUCTION)
- U.I. CONTRACTOR MUST MAINTAIN A FULL SIZE SET OF THESE CONSTRUCTION PLANS (100% OF ALL PRINTS) ON SITE AT ALL TIMES DURING THE WORK.
- ALL CONDUIT MATERIAL, COUPLINGS, FITTINGS, BENDS, CLAMPS, ETC. TO BE SUPPLIED BY U.I. CONTRACTOR AS INDICATED ON PLANS. EMERGENCY CONDUIT CLAMPS WILL NOT BE ALLOWED ON NEW WORK.
- U.I. CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF FLASH BLANKETS, AROUND EXISTING ENERGIZED ELECTRIC CABLES AND SPLICE CASES WITHIN U.I. SPLICE CHAMBERS, WITH U.I. CREWS. CONTACT U.I. CONSTRUCTION MANAGER (SEE NOTE 4), ALLOW, AT LEAST TWO (2) WEEKS ADVANCE NOTICE. U.I. CONTRACTOR SHALL NOT INCLUDE THE COST FOR INSTALLING AND/OR REMOVING FLASH BLANKETS IN THEIR BIDS. THIS COST (INSTALLATION AND REMOVAL OF FLASH BLANKETS) WILL BE PART OF THE U.I.'S COST. IT IS THE RESPONSIBILITY OF THE U.I. CONTRACTOR TO HAVE AN ESTABLISHED TRAFFIC PATTERN AND POLICE PROTECTION PRIOR TO U.I.'S CREW MEMBERS SHOWING UP TO INSTALL AND/OR REMOVE FLASH BLANKETS. PLEASE NOTE, NO IN PROGRESS EXCAVATION IS ALLOWED WITHIN FIFTY (50) FEET OF THE SPLICE CHAMBER, DURING THE FLASH BLANKET INSTALLATION AND/OR REMOVAL.
- THIS PROJECT IS TO BE CONSTRUCTED UNDER THE FOLLOWING U.I. DISTRIBUTION CONSTRUCTION CIVIL SPECIFICATIONS (GUIDELINES):
 - DCG-100 MASTER CIVIL CONSTRUCTION FOR PROJECTS AWARDED IN 2017
 - DCG-110 INSTALLATION OF SPLICE CHAMBERS FOR PROJECTS AWARDED IN 2017
 - DCG-130 INSTALLATION OF CONDUIT FOR PROJECTS AWARDED IN 2017

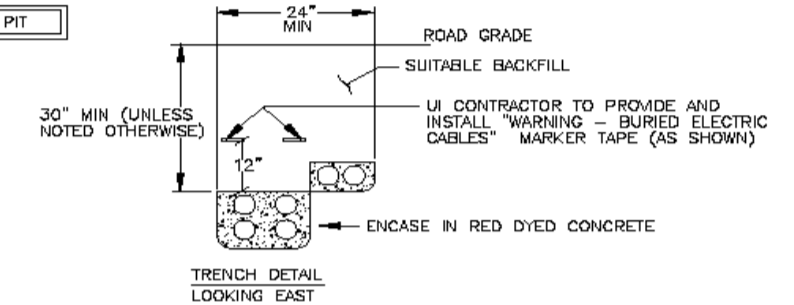
PROJECT

- PREPARE FOR THE INSTALLATION OF NEW SPLICE CHAMBER 2024, (P-1, DET-1)
 PLACE NEW PRECAST SPLICE CHAMBER 2024 (8'x14'x7'). TWO SPLICE CHAMBER FRAMES AND COVERS (36") TO BE PROVIDED BY U.I. Co. SUMP GATES TO BE PROVIDED BY PRECAST CONCRETE VENDOR, U.I. CONTRACTOR TO PROVIDE AND INSTALL ALL GROUNDING REQUIREMENTS (DET-1) U.I. CONTRACTOR WILL ALSO PROVIDE AND INSTALL A LAMICOID LABEL INSIDE BOTH THROATS OF SPLICE CHAMBER WITH THE SPLICE CHAMBER NUMBER ON IT (DET-1) U.I. CONTRACTOR WILL ALSO CONSTRUCT A 8'x10' BITUMINOUS APRON AROUND TOP PERIMETER OF NEW SPLICE CHAMBER (DET-1)

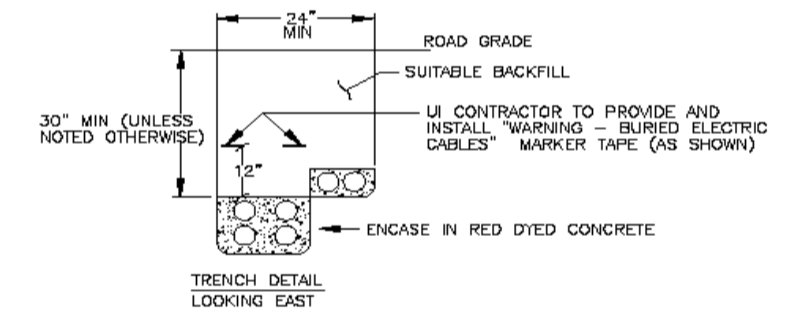
- NOTES: 1. U.I. Co CONTRACTOR TO PROVIDE CRANE TO ACCOMMODATE THE INSTALLATION OF THIS SPLICE CHAMBER (APPROX WEIGHTS : TOP = 13.0 TONS BOTTOM = 13.5 TONS)
 2. U.I. Co CONTRACTOR TO SUPPORT, MAINTAIN AND PROTECT ANY OTHER UTILITIES DURING PLACEMENT OF NEW SPLICE CHAMBER
 3. RE-CONNECT ANY SUBSTATION GROUND GRID DISTURBED DURING PLACEMENT: DET-1

- PROVIDE OPENING IN SOUTHWEST WALL OF CONTROL HOUSE CABLE PIT FOR 6-5" CONDUITS (P-1)
 PROVIDE AND INSTALL 6-5" SCHEDULE 40 PVC (ENCASE IN RED DYED CONCRETE) FROM CABLE PIT TO NEW SC 2024 (RE-CONNECT ANY SUBSTATION GROUND GRID DISTURBED DURING PLACEMENT: DET-1)
 GROUT IN PLACE AS REQUIRED

USE CAUTION - ENERGIZED CABLES IN CABLE PIT



- PROVIDE AND INSTALL 6-5" SCHEDULE 40 PVC (ENCASE IN RED DYED CONCRETE) FROM NEW SC 2024 TO PT A (CUSTOMER'S DEAD END CONDUITS, TO BE MARKED IN FIELD) (RE-CONNECT ANY SUBSTATION GROUND GRID DISTURBED DURING PLACEMENT: DET-1)

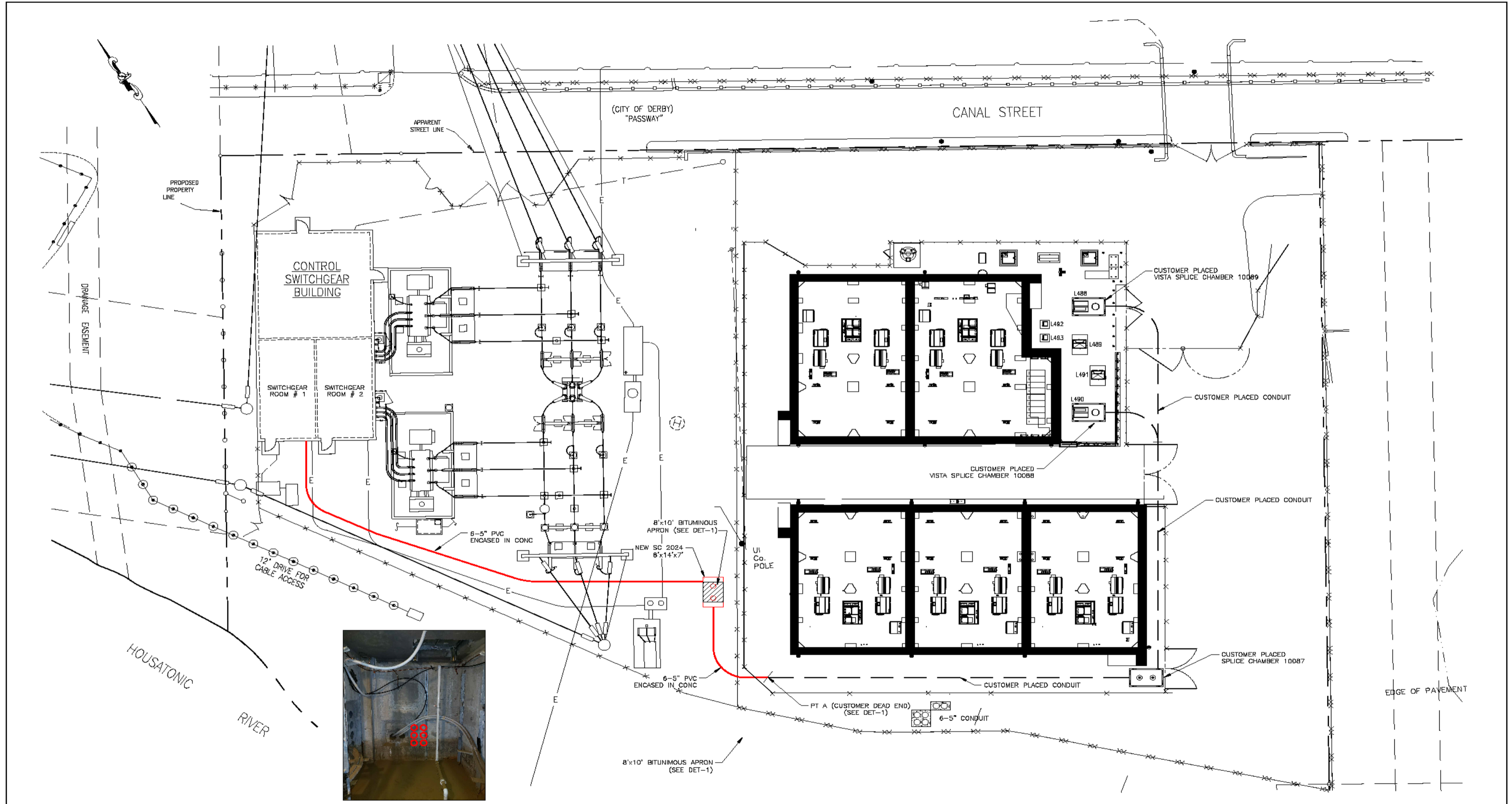


NOTE:
 CONCRETE MIX USED FOR ENCASING CONDUIT SHALL BE DYED RED FOR IDENTIFICATION AND SAFETY PURPOSES AS FOLLOWS:

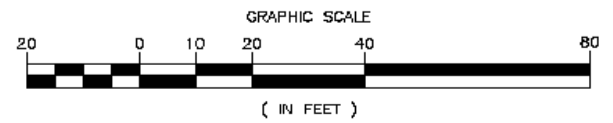
CONCRETE SUPPLIER	SPECIFICATION
O & G INDUSTRIES	"UNDERGROUND RED COLOR ADDITIVE"
THE LUZIO CONCRETE COMPANY	"UI BALK RED 2 BAC"
OTHER	EQUIVALENT RED DYE


- RESTORATION (RE-CONNECT ANY PORTION OF THE SUBSTATION GROUND GRID DISTURBED BY NEW CONSTRUCTION: DET-1)

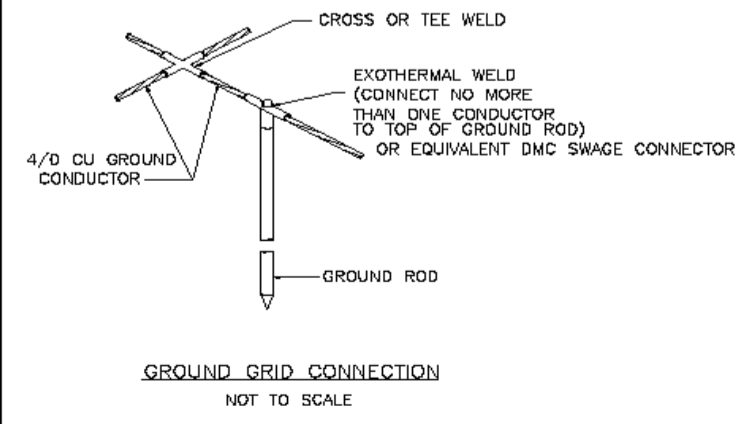
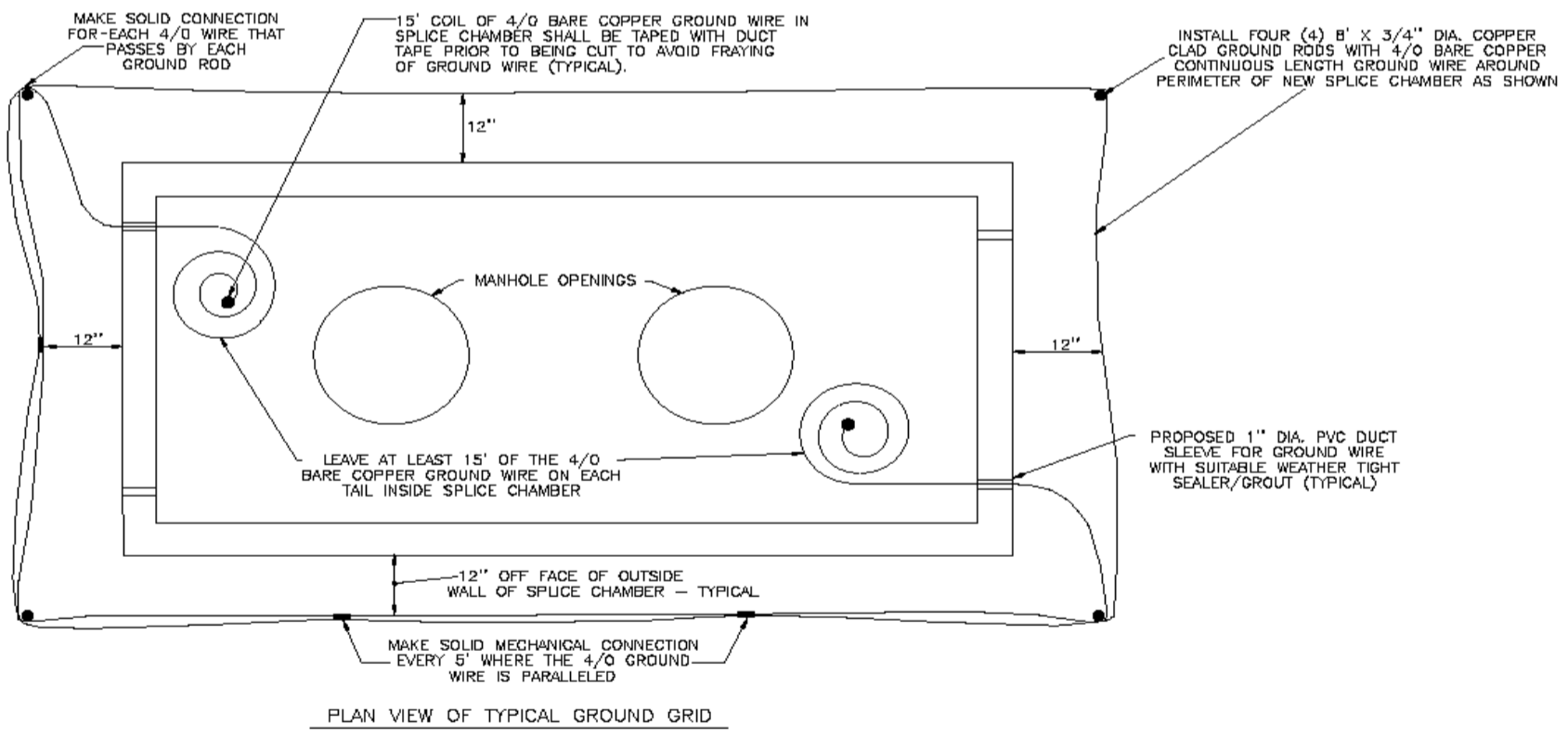
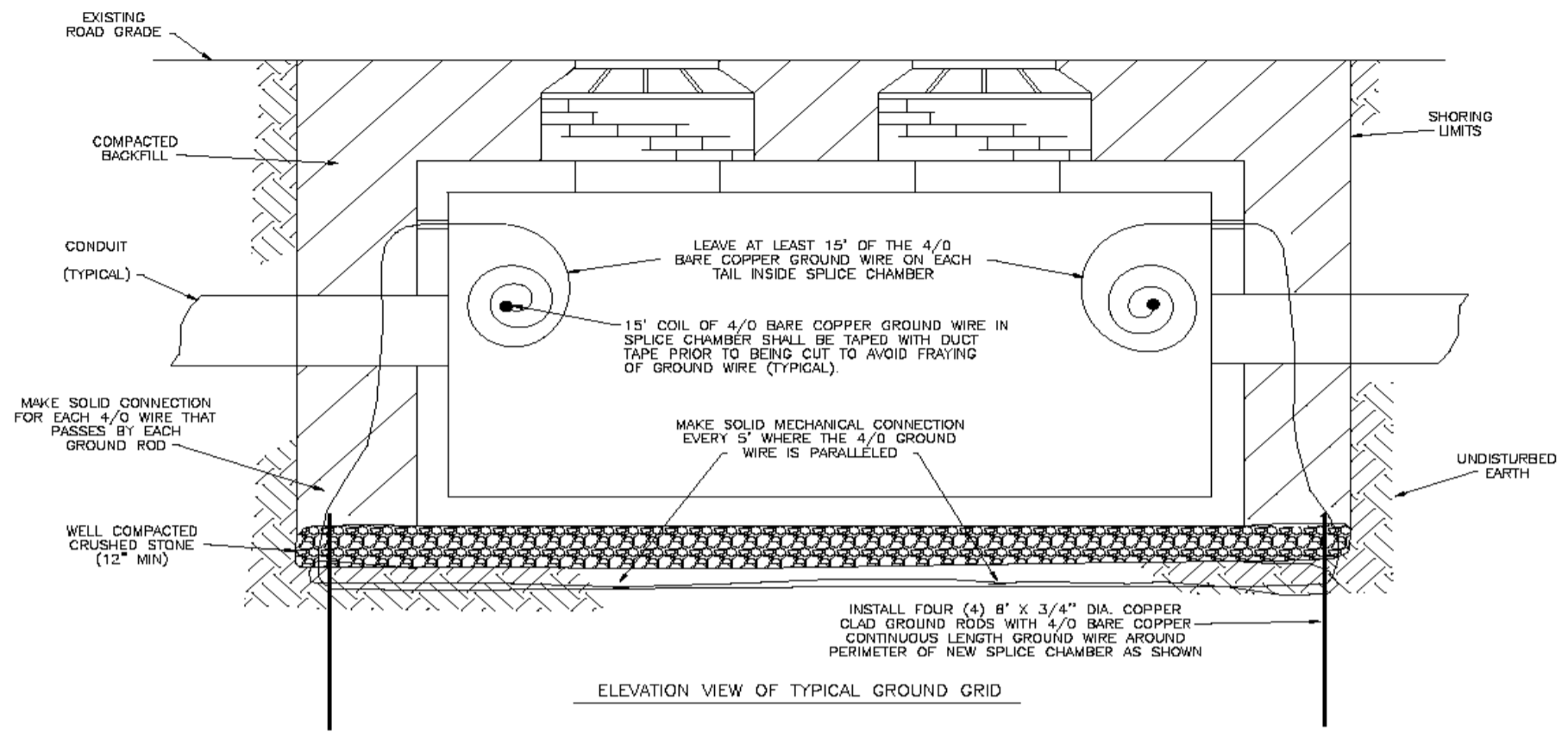
							CIVIL UNDERGROUND CONSTRUCTION GENERAL NOTES DERBY FUEL CELL PROJECT CITY OF DERBY				
1	02/13/2022	ADD BITUMINOUS APRON TO NOTES		RSP	Drawn	Date 04/19/2022	Scale: 240	CAD FILE NAME	SEQUENCE NO.	DRAWING NUMBER	
No	Date	Revision		By	Chkd.	Engr.	Supv.	Chkd.	Design Engr.	RSP	Design Supv.
									GN-1		



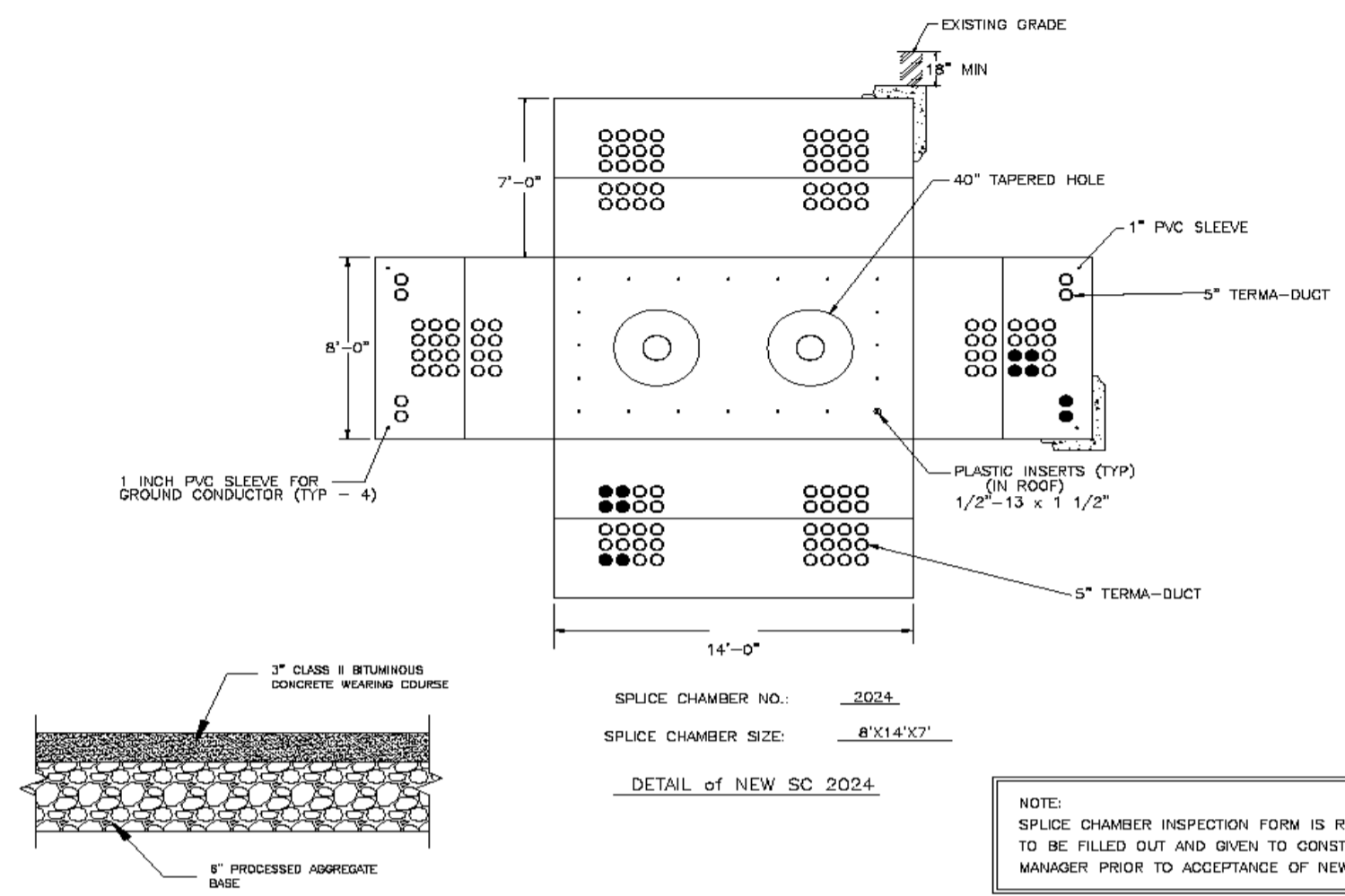
SWITCHGEAR_ROOM # 1
LOOKING SOUTH



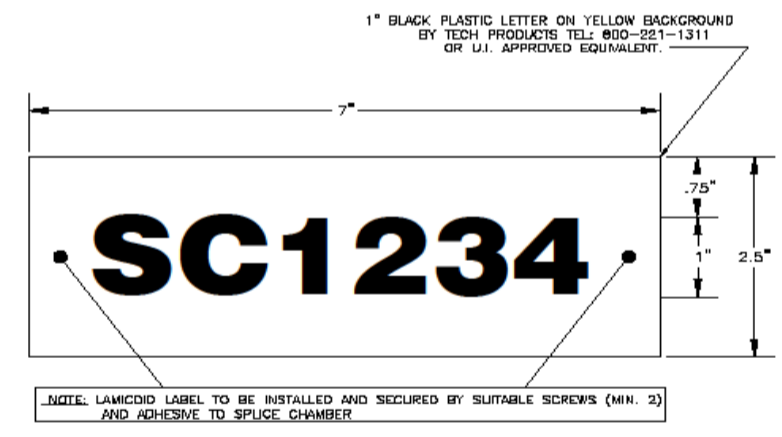
										CIVIL UNDERGROUND CONSTRUCTION PLAN VIEW DERBY FUEL CELL PROJECT CITY OF DERBY		
No.	Date	Revision	By	Chkd.	Engr.	Supv.	Drawn	Date	Scale	CAD FILE NAME	SEQUENCE NO.	DRAWING NUMBER
1	08/13/2022	RE-USE LOCATION NUMBERS						04/19/2022	24D			P-1



- GENERAL GROUNDING NOTES**
1. UI CONTRACTOR TO PROVIDE AND INSTALL ALL GROUND RODS, GROUND WIRE, CLAMPS, SEALER/GROUT, ETC. AS REQUIRED TO CONSTRUCT GROUND GRID AROUND PERIMETER OF NEW SPLICE CHAMBER AS SHOWN.
 2. UI CONTRACTOR TO PROVIDE A GROUNDING RESISTIVITY TEST TO 5 OHMS OR LESS.
 3. PROVIDE TEST RESULTS IN A MICROSOFT FORMAT TO THE U.I. PROJECT MANAGER AND CIVIL CONSTRUCTION MANAGER AFTER ACHIEVING 5 OHMS OR LESS. PROVIDE TEST RESULTS ON THE SPLICE CHAMBER INSPECTION CHECKLIST PROVIDED IN THE BID DOCUMENTS.
 4. UI CONTRACTOR TO COMPLETE SPLICE CHAMBER INSPECTION CHECK LIST PER UNIT AND SUBMIT TO UI CONSTRUCTION MANAGER.
 5. UI CONTRACTOR SHALL COORDINATE WITH THE UI CONSTRUCTION MANAGER FOR THE INSPECTING OF GROUNDING, CONNECTIONS, AND TEST.
 6. 15' COIL OF 4/0 BARE COPPER GROUND WIRE IN SPLICE CHAMBER SHALL BE TAPED WITH DUCT

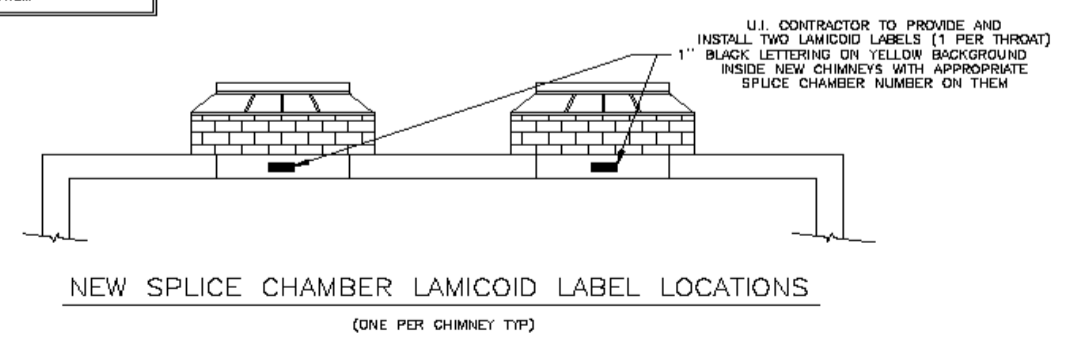


BITUMINOUS SC APRON DETAIL



NEW SPLICE CHAMBER LAMICOID LABEL LOCATIONS (ONE PER THROAT TYP)

NOTE: U.I. CONTRACTOR TO PROVIDE AND INSTALL 2.5" X 7" BLACK LETTERING ON YELLOW BACKGROUND LAMICOID LABELS INSIDE SPLICE CHAMBER THROAT WITH APPROPRIATE SPLICE CHAMBER NUMBERS ON THEM



							CIVIL UNDERGROUND CONSTRUCTION MISCELLANEOUS DETAILS DERBY FUEL CELL PROJECT CITY OF DERBY				
1	05/13/2022	ADD APRON DETAIL				Drawn	Date 04/19/2022	Scale: 240	CAD FILE NAME	SEQUENCE NO.	DRAWING NUMBER
No	Date	Revision	By	Chkd.	Engr. Supv.	Chkd.	Design Engr.	RGP	Design Supv.		DET-1