



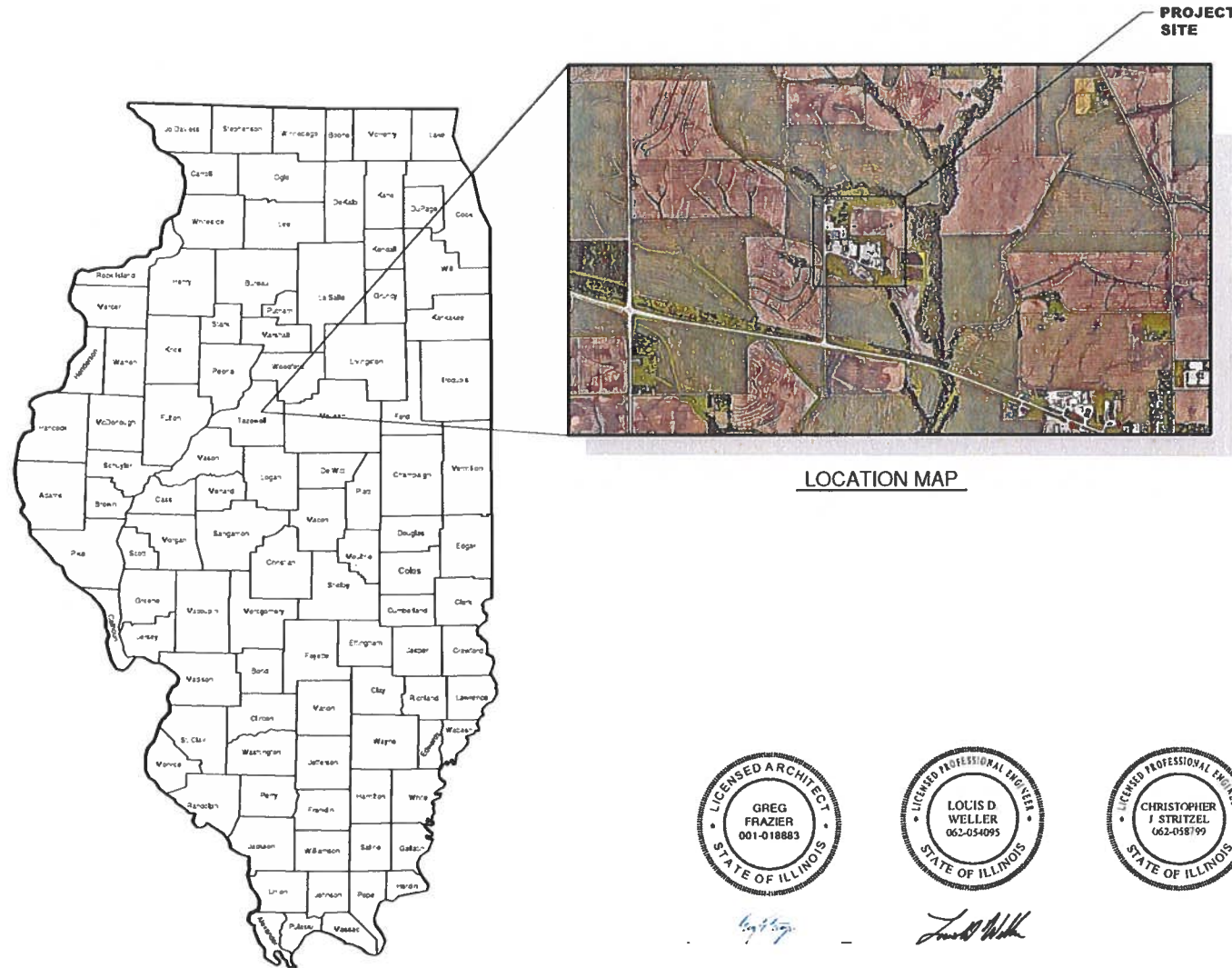
BUILDING REPAIRS: SALT STORAGE BUILDING

BID SET

MARCH 2023

SECTION #: 21-00000-02-MG

AGENCY RESPONSIBLE FOR LETTING	
Approved	241 Apr 2023 <i>Adam King</i>
Passed	4/24/2023 <i>Tony Sappone (AES)</i>
Releasing for Bid Based on Limited Review	April 24, 2023 <i>Blaine J. James</i>



CURRENT CODES

- INTERNATIONAL BUILDING CODE 2018
- INTERNATIONAL EXISTING BUILDING CODE 2018
- NATIONAL ELECTRICAL CODE 2017
- STATE OF ILLINOIS PLUMBING CODE, 77 ILL. ADM. CODE PT. 890
- INTERNATIONAL MECHANICAL CODE 2018
- INTERNATIONAL FIRE CODE 2018
- ILLINOIS ACCESSIBILITY CODE
- ILLINOIS ENERGY CONSERVATION CODE (MOST CURRENT)

SHEET INDEX

GENERAL		
1	G-001	COVER SHEET
CIVIL		
2	C-100	EXISTING CONDITIONS
3	C-101	DEMOLITION PLAN
4	C-102	SITE PLAN
5	C-103	GRADING & DRAINAGE
6	C-501	SITE CONSTRUCTION DETAILS
7	C-502	SITE CONSTRUCTION DETAILS
STRUCTURAL		
8	S-001	STANDARD STRUCTURAL NOTES
9	S-101	SALT DOME PLAN
10	S-102	SALT DOME FRAMING PLAN
ELECTRICAL		
11	E-101	ELECTRICAL SITE PLAN

811 Know what's below. Call before you dig. COMMON GROUND ALLIANCE
www.call811.com or Phone: 811

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

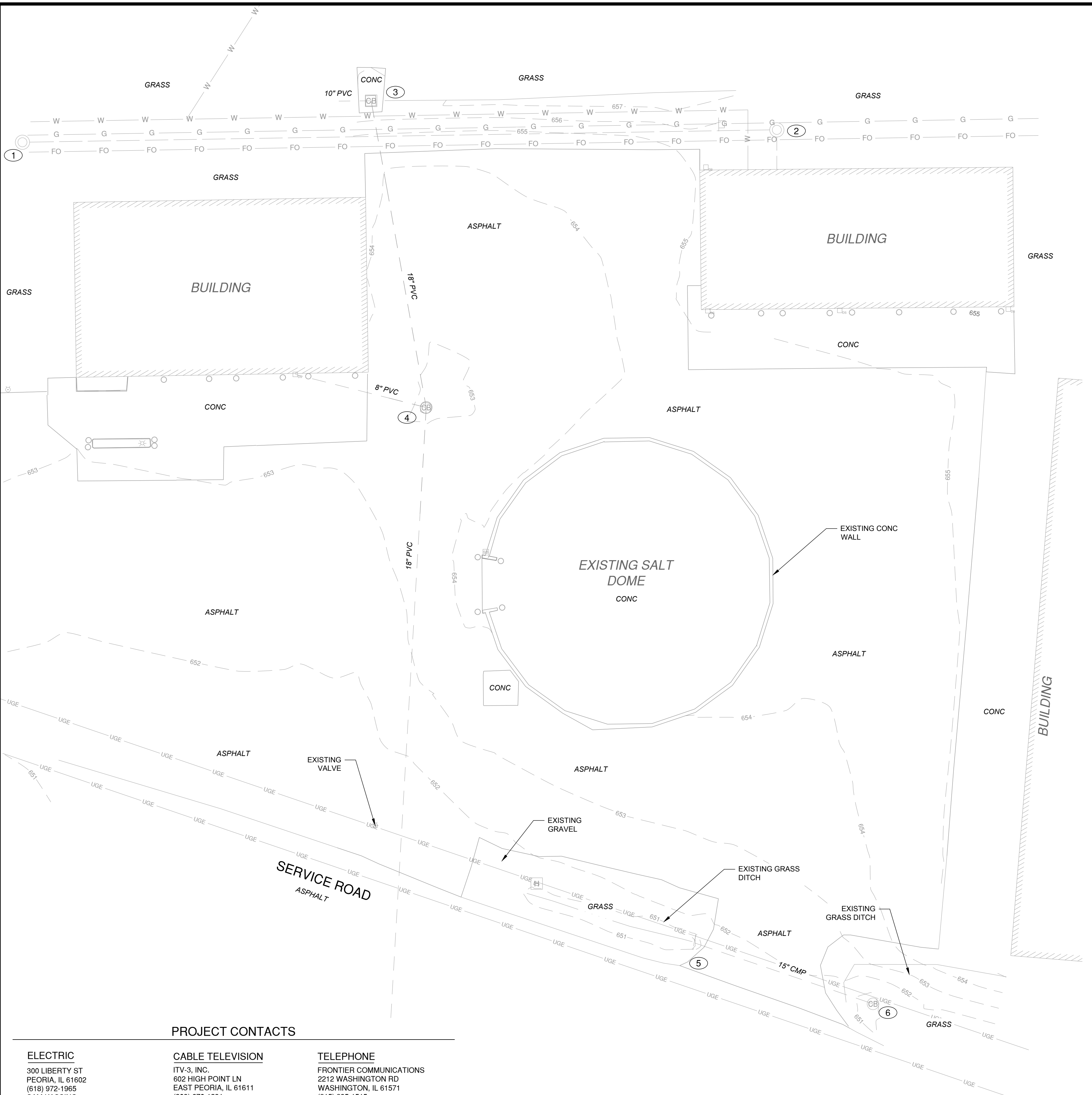
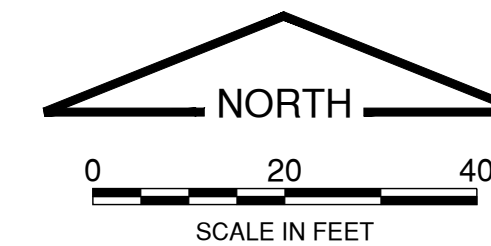
CMT JOB NO.: 22001132-01



Christopher J. Stritzel
CHRISTOPHER J. STRITZEL, PE
01/18/2023 DATE 11/30/2023 RENEWAL DATE



expires: 11-30-24
Jeffrey E. Large
signature



LEGEND

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- UGE UGE EXISTING UNDERGROUND ELECTRIC
- FO FO EXISTING FIBER OPTIC
- G G EXISTING UNDERGROUND GAS
- W W EXISTING UNDERGROUND WATER
- - - 592 EXISTING CONTOUR
- ⊙ EXISTING FIRE HYDRANT
- ⊙ CB EXISTING STORM STRUCTURE
- ⊙ EXISTING MANHOLE
- ⊙ EXISTING DOWNSPOUT
- ⊙ H EXISTING SIGN AND POST
- ⊙ EXISTING HANDHOLE
- ⊙ EXISTING LIGHT POLE
- ⊙ SB EXISTING PEDESTAL
- EXISTING BOLLARD

PLAN GENERAL NOTES:

- UNLESS MODIFIED BY THE PROJECT SPECIFICATIONS, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION. DELETE ALL REFERENCES TO METHOD OF PAYMENT AND ENGINEER'S AUTHORITY DURING CONSTRUCTION.
- THE LOCATIONS, SIZE, MATERIAL, DESCRIPTION OR TYPE OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE APPROXIMATE LOCATIONS BASED ON IN PART, INFORMATION SUPPLIED BY OTHERS AND IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE TO HAVE ALL UTILITIES INCLUDING WATER, GAS, ELECTRIC, STORM SEWER, SANITARY SEWER, TELEPHONE, AND CABLE T.V. LOCATED AND SUITABLY MARKED. SHOULD A UTILITY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED AT ONCE. THE CONTRACTOR SHALL AT MINIMUM CONTACT COMMON GROUND ALLIANCE (JULIE) 811 AND THE OWNER FOR PRIVATE UTILITY LOCATING.
- THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE THE LOCATIONS OF ALL EXISTING UTILITY FACILITIES AND DETERMINE THEIR ACTUAL LOCATIONS. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES TO ALLOW THEM TO COMPLETE ANY NECESSARY RELOCATIONS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY INCLUDING UTILITIES AND STRUCTURES TO REMAIN. NO DAMAGE OR INTERRUPTION IN THESE AREAS CAN OCCUR. IF AT ANY TIME, THE CONTRACTOR DAMAGES OR DESTROYS ANY OTHER PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT OF EXISTING BEFORE SUCH DAMAGE. PUBLIC ROADWAYS, PRIVATE ENTRANCES, AND EMPLOYEE ENTRANCES SHALL REMAIN ACCESSIBLE AND FREE OF CONSTRUCTION DEBRIS. ANY MATERIAL TO BE STAGED OR STOCKPILED SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- WHERE SECTION OR SUB-SECTION CORNERS OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.

EX STORM / SANITARY STRUCTURE SCHEDULE

STRUCTURE NUMBER	STRUCTURE TYPE	RIM / FL / BOTTOM ELEVATION	PIPE INVERT / SIZE / TYPE
1	SANITARY MH	RIM 656.97	E UNKNOWN
2	SANITARY MH	RIM 655.34	E / W / S UNKNOWN
3	STORM INLET	RIM 656.43	W 652.32 (10" PVC) S 652.13 (18" PVC)
4	STORM INLET	RIM 651.91	N 647.89 (18" PVC) S 647.89 (18" PVC) W 649.41 (8" PVC)
5	STORM FES	FL 649.97	E 649.97 (15" CMP)
6	STORM INLET	RIM 650.88	NW 649.23 (15" CMP) SE 649.23 (15" CMP)

PROJECT CONTACTS

- | | | |
|---|---|--|
| <p>ELECTRIC
300 LIBERTY ST
PEORIA, IL 61602
(618) 972-1965
SAM KASSING
skassing@ameren.com</p> | <p>CABLE TELEVISION
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EAST PEORIA, IL 61611
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ENGINEERING OFFICE
engineering@3broadband.com</p> | <p>TELEPHONE
FRONTIER COMMUNICATIONS
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(315) 395-1515
KALIN HINSHAW
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| <p>FIBER OPTIC
STRATUS NETWORKS, INC.
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tjordan@stratusnet.com</p> | <p>WATER
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PEKIN, IL 61554
(309) 255-0728
DAVE MARFELL
david.marfell@amwater.com</p> | |

**BID SET
MARCH 2023**

**BUILDING REPAIRS: SALT
STORAGE BUILDING**

OWNER

**TAZEWELL COUNTY
HIGHWAY DEPARTMENT
TREMONT, IL**

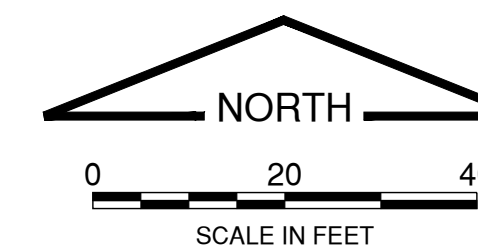
MARK	DATE	DESCRIPTION

PROJECT NO: 21001554-10
 CAD DWG FILE: 01-C100-EXISTING CONDITIONS.DWG
 DESIGNED BY: RSH
 DRAWN BY: RSH
 CHECKED BY: CJS
 APPROVED BY: CJS
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SHEET TITLE

**EXISTING
CONDITIONS**

C-100



PLAN LEGEND

- PROPOSED BUILDING AREA
SEE ARCH PLANS FOR DETAILS
- NEW HOT-MIX ASPHALT
PAVEMENTS - 5" HMA / 8" AGG BASE
SEE DETAIL A1/C-501
- NEW STANDARD-DUTY REINFORCED CONCRETE
(PCC) PAVEMENT - 6" PCC / 4" AGG BASE
SEE DETAIL A1/C-501
- NEW HEAVY-DUTY REINFORCED CONCRETE
(PCC) PAVEMENT - 8" PCC / 4" AGG BASE
SEE DETAIL A1/C-501

PLAN GENERAL NOTES:

1. UNLESS OTHERWISE SPECIFIED WITHIN THE PROJECT SPECIFICATIONS OR DETAILS, ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED BY IDOT, LATEST EDITION. FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION, THE "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION, SHALL GOVERN. DELETE ALL REFERENCES TO METHOD OF PAYMENT AND ENGINEER'S AUTHORITY DURING CONSTRUCTION.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY / STATE / FEDERAL / COUNTY REGULATIONS, CODES AND O.S.H.A. REGULATIONS.
3. ALL CONTRACTORS SHALL REFER TO THE ARCH/STRUCTURAL PLANS FOR EXACT DETAILS AND DIMENSIONS OF BUILDING.

ALTERNATE BID ITEM NOTES:

- ① PROVIDE HEAVY-DUTY PCC PAVEMENT IN LIEU OF HMA PAVEMENT. STANDARD-DUTY PCC PAVEMENT TO REMAIN AS SHOWN. THIS IS TO BE CONSIDERED ALTERNATE BID ITEM NO. 1. BASE BID SHALL NOT INCLUDE THIS ITEM AND WILL INCLUDE ALL PAVEMENTS AS SHOWN ON THIS SHEET.

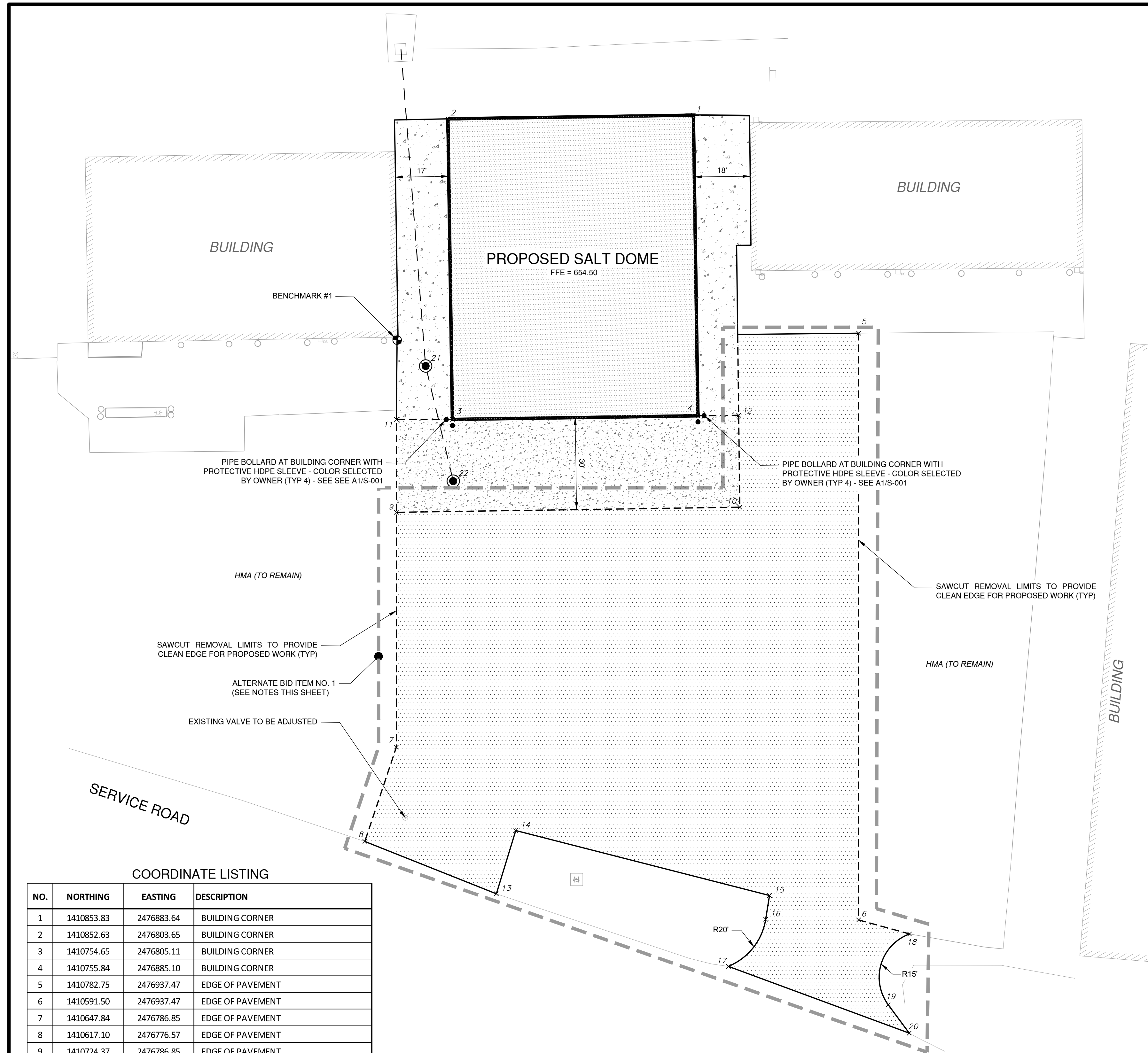
CONTROL POINT COORDINATE TABLE
(NAD 83 SPC IL WEST)

CP #	DESCRIPTION	NORTHING	EASTING
CP #2121	REBAR	1410562.942	2476992.079
CP #2072	REBAR	1410585.126	2476548.986
CP #1	MAG	1410804.366	2476891.353

THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE HORIZONTAL & VERTICAL CONTROL AS SHOWN ON THE PLANS BEFORE CONSTRUCTION COMMENCES. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.

BENCHMARKS

BM #	DESCRIPTION	NAVD 1988 DATUM ELEV
BM #1	TOP E. SIDE GAS PUMP ISLAND (CUT "X")	653.61
CP #1	MAG NAIL LOCATION IN AGG LOT; 11.2 FT W. OF SW CORNER OF 4-BAY DOOR "CECO" METAL BUILDING	654.83



COORDINATE LISTING

NO.	NORTHING	EASTING	DESCRIPTION
1	1410853.83	2476883.64	BUILDING CORNER
2	1410852.63	2476803.65	BUILDING CORNER
3	1410754.65	2476805.11	BUILDING CORNER
4	1410755.84	2476885.10	BUILDING CORNER
5	1410782.75	2476937.47	EDGE OF PAVEMENT
6	1410591.50	2476937.47	EDGE OF PAVEMENT
7	1410647.84	2476786.85	EDGE OF PAVEMENT
8	1410617.10	2476776.57	EDGE OF PAVEMENT
9	1410724.37	2476786.85	EDGE OF PAVEMENT
10	1410726.04	2476898.74	EDGE OF PAVEMENT
11	1410754.65	2476786.85	EDGE OF PAVEMENT
12	1410756.00	2476898.38	EDGE OF PAVEMENT
13	1410600.03	2476819.43	EDGE OF PAVEMENT
14	1410620.64	2476825.74	EDGE OF PAVEMENT
15	1410599.47	2476908.43	EDGE OF PAVEMENT
16	1410591.70	2476907.18	EDGE OF PAVEMENT
17	1410576.35	2476895.04	EDGE OF PAVEMENT
18	1410586.91	2476954.06	EDGE OF PAVEMENT
19	1410563.88	2476947.09	EDGE OF PAVEMENT
20	1410554.61	2476953.95	EDGE OF PAVEMENT
21	1410772.06	2476796.37	STORM STRUCTURE (CTR)
22	1410734.54	2476805.37	STORM STRUCTURE (CTR)

BID SET
MARCH 2023

BUILDING REPAIRS: SALT
STORAGE BUILDING

OWNER

TAZEWELL COUNTY
HIGHWAY DEPARTMENT
TREMONT, IL

MARK DATE DESCRIPTION

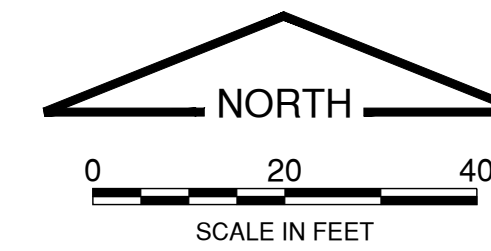
PROJECT NO: 21001554-10
CAD DWG FILE: 03-C102-SITE PLAN.DWG
DESIGNED BY: RSH
DRAWN BY: RSH
CHECKED BY: CJS
APPROVED BY: CJS
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SHEET TITLE

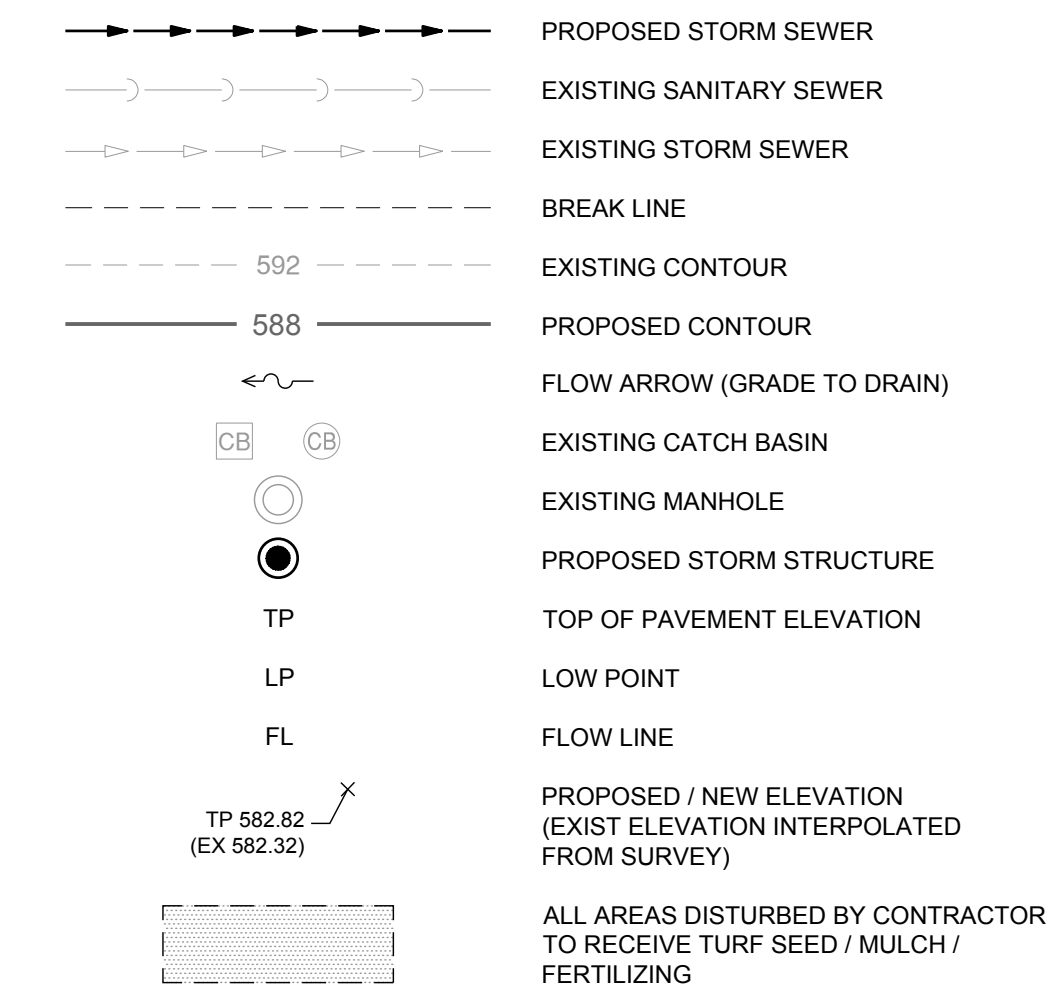
SITE PLAN

C-102

SHEET 4 OF 12

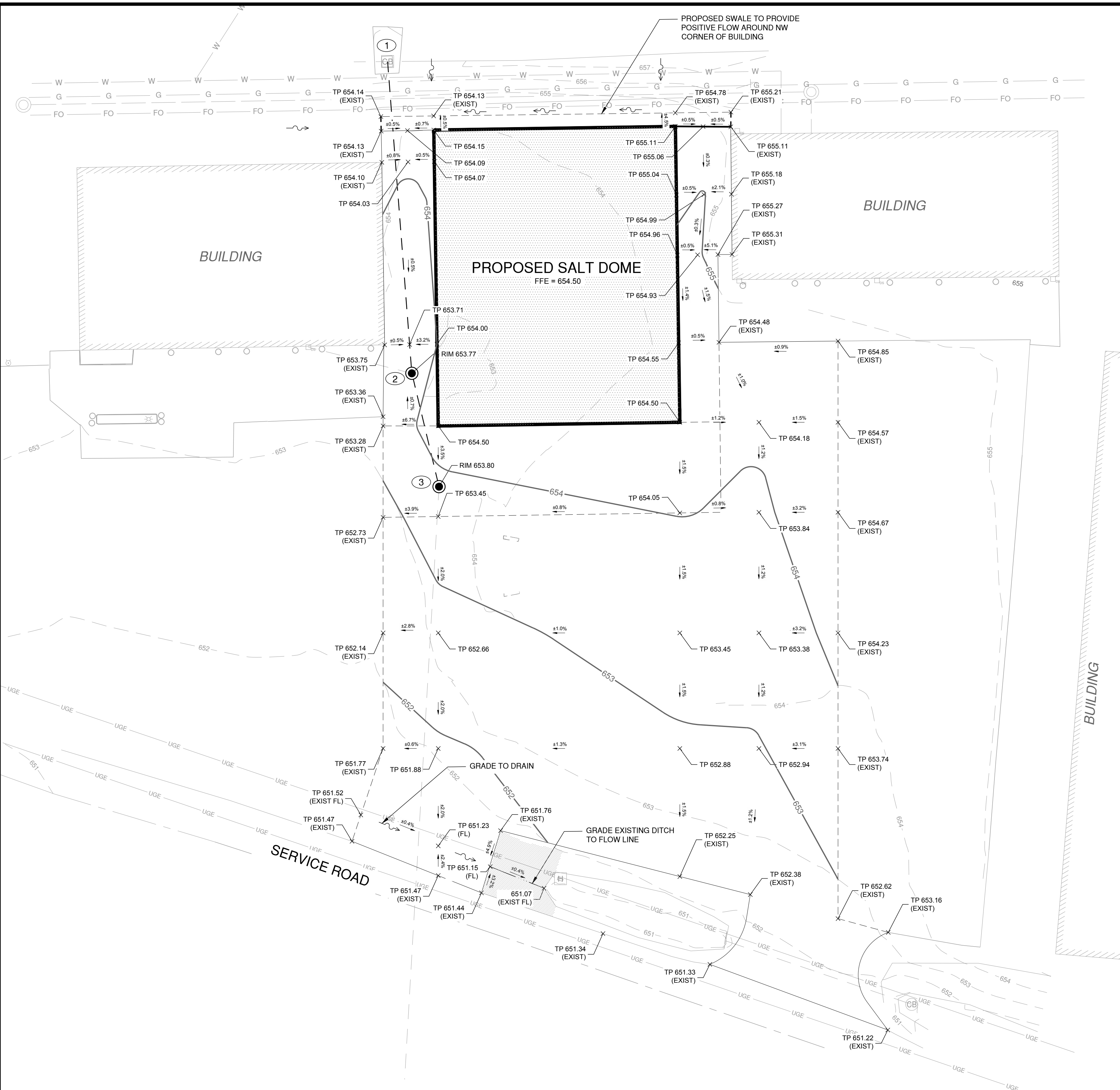


PLAN LEGEND



GRADING PLAN GENERAL NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED UPON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS OR CONTACT THE RESPECTIVE UTILITY OWNER TO REQUEST SUCH RELOCATION.
2. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
3. ALL DISTURBED TURF AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL AND SHALL BE STABILIZED IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS.
4. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
5. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION AND THE PROJECT SPECIFICATIONS. ALL EXISTING AND PROPOSED UTILITY CROSSINGS/CONFLICTS SHALL MEET OR EXCEED HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS PER SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS OR ILLINOIS DEPARTMENT OF PUBLIC HEALTH.
6. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
7. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
8. STORM PIPE SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED ON PLAN):
TYPE 1: RCP CLASS II PER ASTM C-76, WITH PREFORMED FLEXIBLE GASKET AT JOINTS. BACKFILL PER RIGID PIPE DETAIL.



STORM STRUCTURE SCHEDULE

STRUCTURE NUMBER	STRUCTURE TYPE	RIM / FL ELEVATION	INV IN	INV OUT
1	EXISTING STORM CATCH BASIN	RIM 656.43 (EXISTING)	W 652.32 (10" EX)	S 652.13 (18")
2	4' MH W/ TY 1 FRAME, CLOSED LID	RIM 653.77	N 649.59 (18") W 649.65 (8" EX)	S 649.49 (18")
3	4' MH W/ TY 1 FRAME, CLOSED LID	RIM 653.80	N 649.14 (18")	S 646.82 (18" EX)

STORM SEWER PIPE SCHEDULE

REACH	PIPE SIZE (IN)	APPROX LENGTH (FT)	SLOPE
1-2	18" RCP	102	2.50%
2-3	18" RCP	35	1.00%

**BID SET
MARCH 2023**

**BUILDING REPAIRS: SALT
STORAGE BUILDING**

OWNER

**TAZEWELL COUNTY
HIGHWAY DEPARTMENT
TREMONT, IL**

MARK DATE DESCRIPTION

PROJECT NO: 21001554-10
 CAD DWG FILE: 04-C103-GRADING AND DRAINAGE PLAN.DWG
 DESIGNED BY: RSH
 DRAWN BY: RSH
 CHECKED BY: CJS
 APPROVED BY: CJS
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SHEET TITLE

**GRADING &
DRAINAGE**

C-103

SHEET 5 OF 12

GENERAL STRUCTURAL NOTES

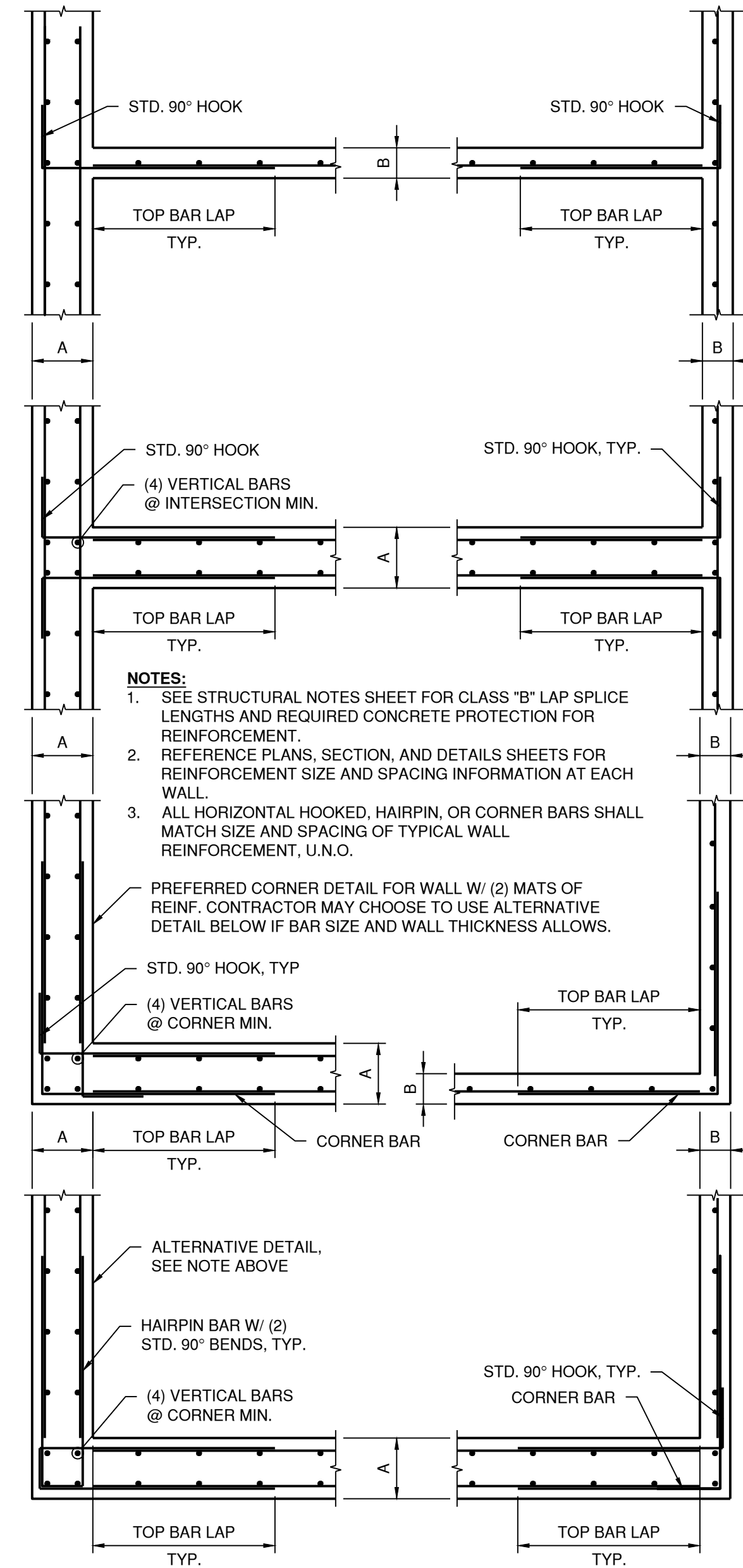
- VERIFY DRAWINGS FOR LOCATION OF ALL OPENINGS IN WALLS AND SLABS.
- ALL ANCHOR BOLTS, NUTS, WASHERS, ETC. SHALL BE TYPE 304 STAINLESS STEEL UNLESS OTHERWISE NOTED.
- ALL FILL OR BACKFILL WITHIN THE LIMITS OF A BUILDING OR A STRUCTURE SHALL BE COMPACTED ACCORDING TO THE SPECIFICATIONS.
- ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE COATED WITH UNTHINNED BITUMASTIC PAINT. ALL ALUMINUM SURFACES IN CONTACT WITH STEEL OR DISSIMILAR METAL SHALL BE ISOLATED BY 1/4" MIN. THICKNESS 60 DUROMETER NEOPRENE PADS.
- INSTALL MIN. 3/16" THICK 60 DUROMETER NEOPRENE WASHER BETWEEN DIFFERING METALS THAT ARE CONNECTED, INCLUDING ANCHOR BOLTS.
- CONTRACTOR SHALL COORDINATE STRUCTURAL SHEETS WITH ALL OTHER SHEETS FOR PIPE SIZES AND LOCATIONS, BLOCK OUTS, ELECTRICAL REQUIREMENTS AND ANCHOR BOLTED ATTACHMENTS, AND SHALL COORDINATE THE INSTALLATION OF ELECTRICAL AND MECHANICAL EQUIPMENT WITH THE RESPECTIVE SUB-CONTRACTORS PRIOR TO THE PLACEMENT OF CONCRETE. SEE HVAC, PROCESS, MECHANICAL, AND ELECTRICAL PLANS FOR SLEEVES, INSERTS, ETC.
- CONTRACTOR IS RESPONSIBLE FOR ADEQUACY OF TEMPORARY SHORING, TO RESIST ALL LOADING CONDITIONS DURING CONSTRUCTION.
- SHORING FOR ROOF AND FLOOR SLABS SHALL BE REMOVED IN SUCH A MANNER AS TO MAINTAIN A UNIFORM LOADING ON THE SLAB AT ALL TIMES. REMOVAL OF SHORING SHALL NOT BEGIN UNTIL THE CONCRETE HAS ATTAINED ITS SPECIFIED STRENGTH.
- UNLESS SPECIFICALLY DETAILED HEREIN, NO PIPES OR SLEEVES SHALL PASS THROUGH STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER OF RECORD.
- ALL FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF DEBRIS, STANDING WATER AND LOOSE SOIL AND SHALL BE OBSERVED BY THE ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
- IN STRUCTURAL AREAS (WHERE STRUCTURES DERIVE SOME OR ALL SUPPORT FROM FILL-SUPPORTED FOUNDATIONS) AND SLABS-ON-GRADE, FILL SHALL BE COMPACTED TO 98 PERCENT OF STD. PROCTOR MAXIMUM DRY DENSITY (ASTM D-698), UNLESS OTHERWISE SPECIFIED.
- PROTECT SUBGRADE AT ALL TIMES INCLUDING PROPER DRAINAGE OF CONSTRUCTION AREAS, PREVENTION OF STANDING WATER, MINIMIZING CONSTRUCTION TRAFFIC AND PLACING FOUNDATION AS SOON AS POSSIBLE AFTER EXCAVATING (PREFERABLY THE SAME DAY).
- ALL FILL MATERIAL SHALL BE ACCEPTABLE TO THE ENGINEER FOR USE IN ADVANCE OF PLACEMENT. NO FILL SHALL BE PLACED OVER FROZEN, MUDDY OR OTHER DELETERIOUS MATERIAL. LIFT THICKNESS SHALL BE MINIMIZED TO ALLOW EFFICIENT COMPACTION. NO FILL MAY BE PLACED OVER A PREVIOUS LIFT THAT HAS NOT BEEN ADEQUATELY COMPACTIONED AND HAS NOT BEEN ACCEPTED BY THE ENGINEER. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- BACKFILL AGAINST BELOW GRADE WALLS SHALL BE PLACED EVENLY ON ALL SIDES, UNLESS OTHERWISE NOTED.
- ALL POST INSTALLED ANCHOR BOLTS SHALL BE HILTI, DEWALT, OR ENGINEER APPROVED EQUAL AS NOTED IN THE STRUCTURAL SHEETS. ADHESIVE SHALL BE HILTI HIT-HY 200, DEWALT AC 100+ GOLD, OR ENGINEER APPROVED EQUAL. REBAR DOWELS SHALL USE SAME ADHESIVE. ALL INSTALLATIONS SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS AND ASSOCIATED ICC TEST REPORTS.
- DO NOT SCALE DIMENSIONS FROM DRAWINGS FOR CONSTRUCTION.

CONCRETE NOTES

- ALL CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI.
- ALL REINFORCEMENT BARS SHALL CONFORM TO ASTM-A615, GRADE 60, OR ASTM A706, GRADE 60.
- ALL WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM-A185. (FLAT STOCK ONLY).
- ALL CONCRETE WORK SHALL CONFORM TO ACI 350-06 "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES." ALL REINFORCING DETAILS NOT SHOWN SHALL CONFORM TO ACI 315 "DETAILING MANUAL," LATEST EDITION.
- REINFORCING BAR LAP SPLICES SHALL BE CLASS "B" SPLICES UNLESS SHOWN OTHERWISE ON THE DRAWINGS. MECHANICAL SPLICES MAY BE USED IN LIEU OF LAP SPLICES. MECHANICAL SPLICES SHALL DEVELOP IN TENSION OR COMPRESSION, AT LEAST 125 PERCENT OF THE SPECIFIED YIELD STRENGTH, F_y OF THE BAR. THE CONTRACTOR SHALL SUBMIT, TO THE ENGINEER, MANUFACTURER'S LITERATURE, PRODUCT SAMPLES AND CERTIFIED TEST REPORTS PRIOR TO RECEIVING APPROVAL OF THE MECHANICAL SPLICES. LOCATIONS OF THE MECHANICAL BAR SPLICES SHALL BE SHOWN ON THE REINFORCING STEEL SHOP DRAWINGS.
- AT CONSTRUCTION JOINTS SHOWN ON THE PLANS, WHERE DOWELS WILL PENETRATE CONSTRUCTION FORMWORK, THE CONTRACTOR MAY USE A MANUFACTURED DOWEL BAR SUBSTITUTION SYSTEM WHEN APPROVED IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE, PRODUCT SAMPLES AND CERTIFIED TEST REPORTS TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL ALSO INCLUDE INFORMATION ON WHERE HE PROPOSES TO USE THEM. TEST REPORTS SHALL SHOW YIELD AND ULTIMATE TENSILE LOAD CAPACITIES.
- CONCRETE PROTECTION (CONCRETE COVER) FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
 CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 CONCRETE EXPOSED TO EARTH OR WEATHER 2"
 CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 SLABS 3/4"
 WALLS, BEAMS, COLUMNS, PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS 1-1/2"
- ALL REINFORCEMENT BARS SHALL BE CLEAN AND FREE OF GREASE, SCALING RUST, AND OTHER FOREIGN MATERIALS.
- UNLESS OTHERWISE INDICATED, FOR SLABS ON GRADE, USE 1/2" THICK PREMOLDED JOINT FILLER TO ISOLATE THE SLAB FROM CONTACT WITH THE STRUCTURES ALONG ITS PERIMETER AND APPLY TWO-COMPONENT POLYURETHANE SEALANT, 3/4" MINIMUM DEPTH.
- A LEAN CONCRETE MUD SLAB 3 TO 4 INCHES THICK SHALL BE USED IN THE FOOTING EXCAVATION IF THE BOTTOM OF THE EXCAVATION TENDS TO BECOME MUDDY AND SOFT. LEAN CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI.
- ALL EXPOSED EDGES AND EQUIPMENT PADS SHALL BE CHAMFERED 3/4".
- TWO #5 BARS EACH FACE SHALL BE PROVIDED DIAGONALLY AT ALL CORNERS OF OPENINGS. BARS SHALL BE EXTENDED 24 IN. MINIMUM BEYOND CORNERS OF THE OPENINGS.
- REINFORCEMENT BAR BENDING DIMENSIONS ARE OUT TO OUT.
- UNLESS NOTED OTHERWISE, PROVIDE CONTROL OR CONSTRUCTION JOINTS IN SLABS-ON-GRADE AT 15'-0" MAXIMUM SPACES EACH DIRECTION OR AS SHOWN ON DRAWINGS. CONTROL JOINTS TO BE SAW CUT 1/4 OF THE SLAB THICKNESS DEEP OR USE A PREFORMED CONTROL JOINT FORMER APPROVED BY THE ENGINEER.
- NO CONSTRUCTION JOINTS EXCEPT THOSE SHOWN ON THE PLANS WILL BE ALLOWED EXCEPT THOSE SUBMITTED BY THE CONTRACTOR IN WRITING AND ACCEPTABLE TO THE ENGINEER.
- EXPOSED CONCRETE SHALL RECEIVE A SMOOTH RUBBED FINISH PER ACI 301-10. SEE DIVISION 3 OF SPECIFICATIONS FOR FINISH REQUIREMENTS.
- ALL CONCRETE EXPOSED TO VIEW SHALL BE FORMED USING A SMOOTH FORM FINISH SYSTEM PER SPECIFICATION SECTION 031100.
- ALL REINFORCEMENT BARS NOTED "(E)" SHALL BE EPOXY COATED.

* CLASS "B" SPLICE				
f _c = 4,500 PSI f _y = 60,000 PSI				
	UNCOATED BARS		EPOXY COATED BARS	
	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS
#3	1'-6"	1'-11"	1'-9"	2'-4"
#4	2'-0"	2'-7"	2'-4"	3'-1"
#5	2'-6"	3'-2"	2'-11"	3'-10"
#6	2'-11"	3'-10"	3'-6"	4'-7"
#7	4'-3"	5'-7"	5'-2"	6'-8"
#8	4'-11"	6'-4"	5'-10"	7'-7"
#9	5'-6"	7'-2"	6'-7"	8'-7"
#10	6'-1"	7'-11"	7'-4"	9'-6"
#11	6'-8"	8'-8"	8'-0"	10'-5"

NOTES:
 TOP BARS CONSIST OF HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE SPLICE.
 PER ACI 350-06 CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES.



B4 TYP REINF. DETAILS AT CORNERS
 1/2" = 1'-0"



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BID SET
 MARCH 2023

BUILDING REPAIRS: SALT
 STORAGE BUILDING

OWNER

TAZEWELL COUNTY
 HIGHWAY DEPARTMENT
 TREMONT, IL

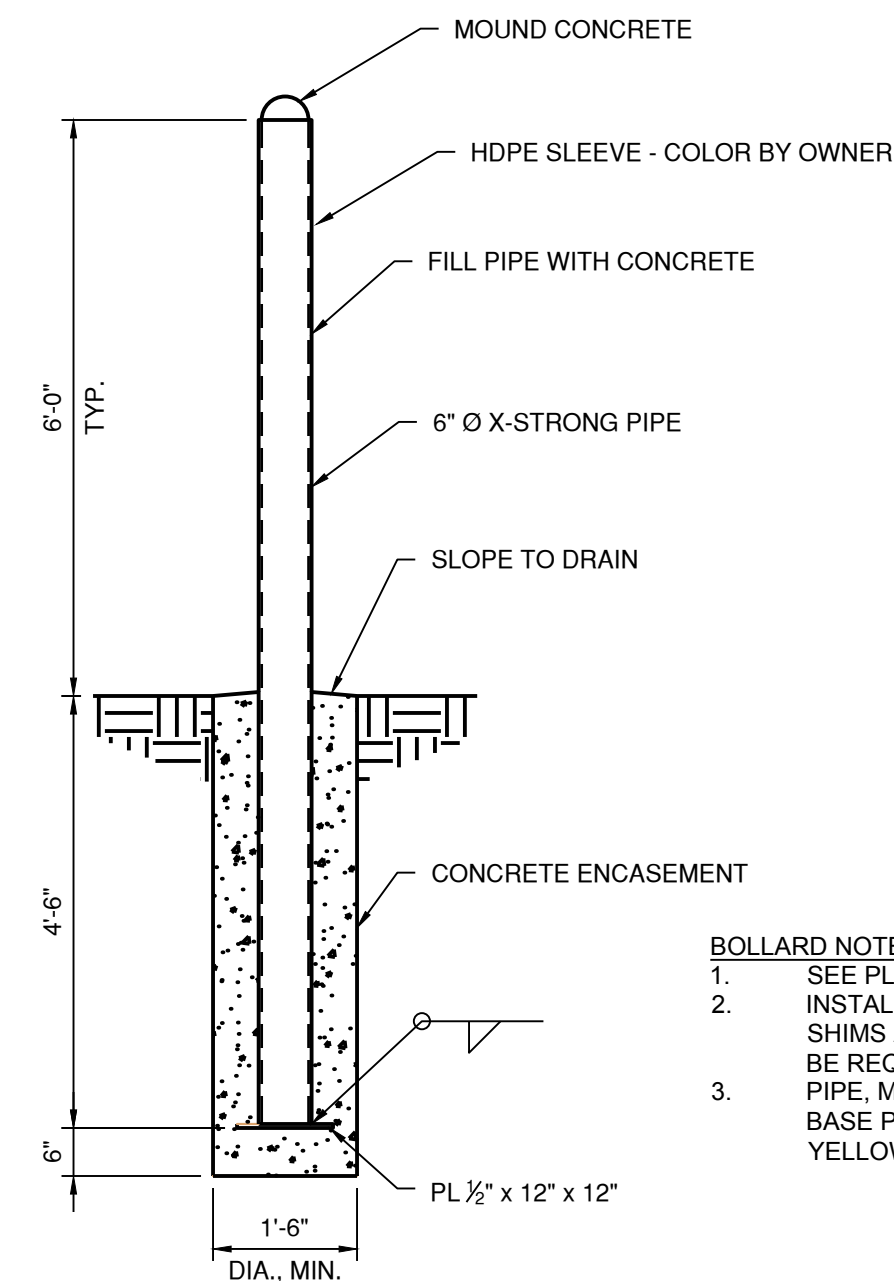
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 DRAWN BY: LJP
 CHECKED BY: JEL
 APPROVED BY: JEL
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SHEET TITLE
**STANDARD
 STRUCTURAL NOTES**

S-001

SHEET 8 OF 12



BOLLARD NOTES:
 1. SEE PLANS FOR BOLLARD LOCATION.
 2. INSTALL BOLLARDS PLUMB IN ALL DIRECTIONS. SHIMS AND/OR TEMPORARY BRACING MAY BE REQUIRED.
 3. PIPE, MOUNDED CONCRETE, AND EXPOSED BASE PLATES SHALL BE PAINTED SAFETY YELLOW, U.N.O.

A1 TYP BOLLARD DETAIL
 1/2" = 1'-0"



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CONSULTANTS

GENERAL NOTES

1. MOUNT LIGHT FIXTURE TO OPTIMIZE LIGHT DISTRIBUTION.
2. ALL CONDUIT SHALL BE SCHEDULE 40 PVC.
3. MOUNT CONDUIT VERTICALLY UP WALL TO NEAR THE TOP. THEN MOUNTED CONDUIT HORIZONTALLY TO A JUNCTION BOX WHERE LIGHT IS THEN PROVIDE CONDUIT ON THE MEMBRANE SUPPORTIVE SYSTEM TO GET TO FIXTURE. SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.
4. AT THE CONTRACTOR'S OPTION CONDUIT CAN BE RUN THROUGH THE MAINTENANCE BUILDING IN LIEU OF UNDERGROUND.
5. THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THE FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

KEYED NOTES

1. FLOOD LIGHT FIXTURE, 12,300 LUMENS, 4000K COLOR TEMPERATURE, 120-277V, WIDE FLOOD DISTRIBUTION, STAINLESS STEEL YOKE MOUNTING, WHITE IN COLOR, STANDARD SURGE PROTECTION, MARINE LISTED, HOLOPHANE PSLED-P3-40K-MVOLT-66-YMS-WHSDP-20KV-MRE OR EQUAL. MOUNT LIGHT FIXTURE 30FT ABOVE FINISHED FLOOR.
2. 2 - #10 AWG, 1 - #10 GND IN 1" CONDUIT.
3. PROVIDE LB CONDUIT AND CORE DRILL AND SEAL AS REQUIRED.
4. SINGLE POLE, 277VAC, WEATHERPROOF TOGGLE SWITCH MOUNT TO CONCRETE WALL 48" ABOVE FINISHED GRADE. LABEL "SALT DOME LIGHTS".
5. EXISTING ELECTRICAL ROOM. CONTRACTOR SHALL REPLACE EXISTING 100A/2P CIRCUIT BREAKER LABELED "SALT DOME" IN EXISTING 600A, 120/240V, 1 PHASE I-LINE PANELBOARD (MODEL NUMBER 62245-2A) WITH A 20A/2P CIRCUIT BREAKER.

BID SET
MARCH 2023

BUILDING REPAIRS: SALT
STORAGE BUILDING

OWNER

TAZEWELL COUNTY
HIGHWAY DEPARTMENT
TREMONT, IL

MARK | DATE | DESCRIPTION

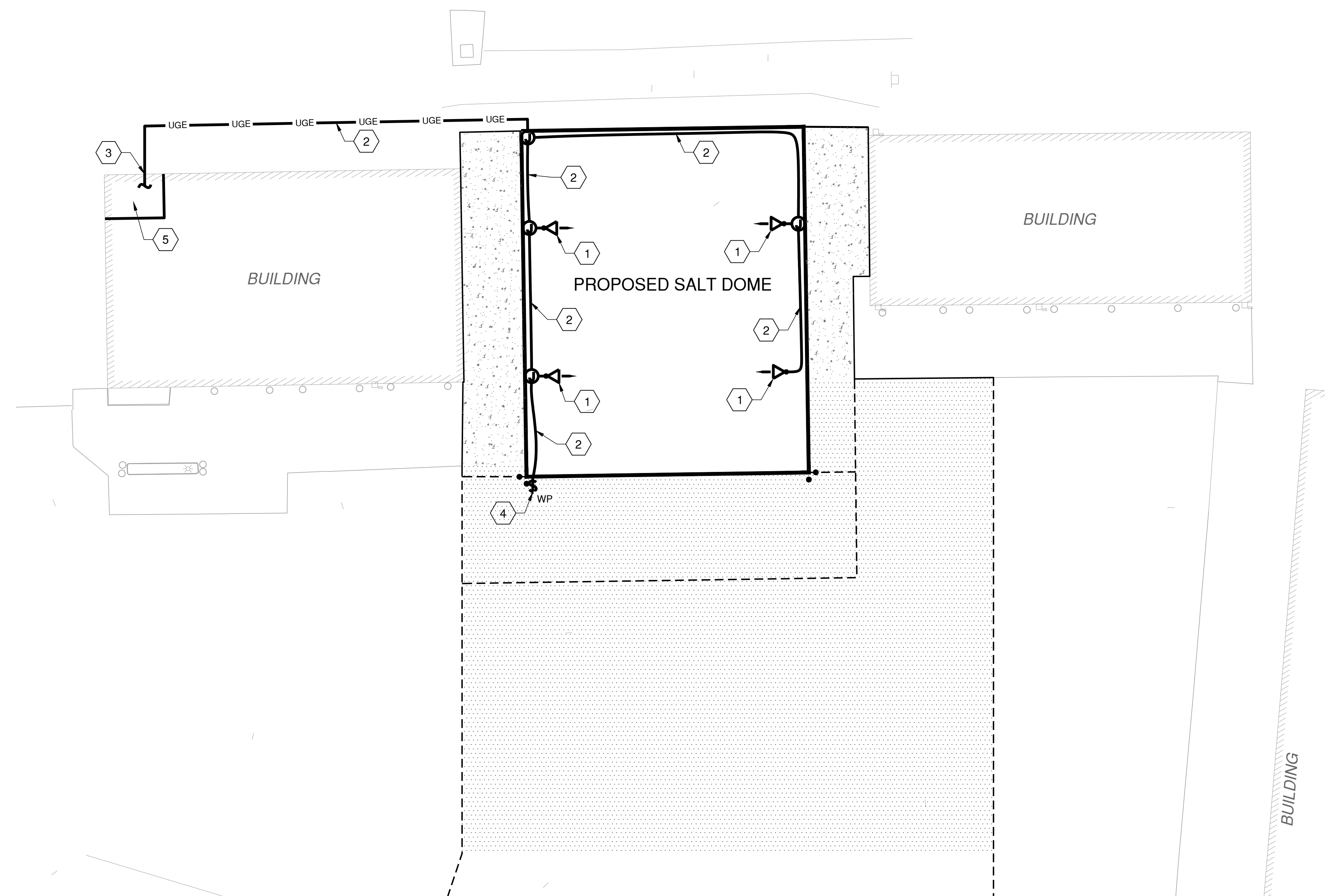
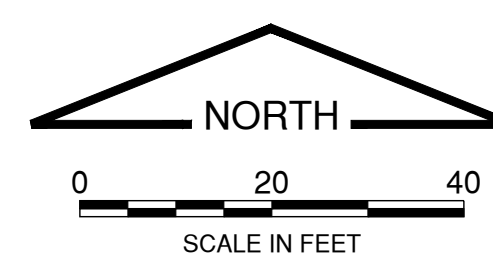
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DESIGNED BY:	JRV
DRAWN BY:	JRV
CHECKED BY:	LDW
APPROVED BY:	--
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SHEET TITLE

ELECTRICAL SITE
PLAN

E-101

SHEET 12 OF 12



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