

01000 GENERAL REQUIREMENTS:

- 1) ALL WORK IS NEW UNLESS INDICATED TO BE EXISTING, REUSED, OR RELOCATED.
- 2) LOCATION OF EXISTING UTILITIES SHOWN MAY NOT BE ACCURATE NOR COMPLETE. FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
- 3) ANY EXISTING CONSTRUCTION TO REMAIN SHALL BE REPAIRED IF DAMAGED DURING THIS PROJECT.
- 4) KEEP WORK SITE IN AN ORDERLY CONDITION. DURING CONSTRUCTION, THE SITE IS TO BE LEFT FREE DRAINING. AT THE COMPLETION OF EACH DAY, REMOVE ALL WASTE AND LEAVE THE SITE IN A CONDITION ACCEPTABLE TO THE OWNER. DISPOSE OF ALL WASTE PER FEDERAL, STATE, AND LOCAL REGULATIONS.
- 5) THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL THINGS NECESSARY FOR THE PROPER PERFORMANCE OF THE WORK. THESE DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING TO ALL. WORK NOT COVERED IN THESE DOCUMENTS IS NOT REQUIRED UNLESS IT IS NECESSARY TO PRODUCE THE INTENDED RESULTS.

6) CUSTOMARY CARE AND REVIEW WAS USED TO PREPARE THESE DRAWINGS. ALL THE DIMENSIONS SHALL BE DOUBLED CHECKED TO INSURE THEY ARE CORRECT. IT IS THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR TO CHECK ALL DIMENSIONS BEFORE ORDERING, INSTALLATION, FABRICATION, ETC OF ANY MATERIALS. THIS INCLUDES REVIEW OF ALL INSTALLATION INSTRUCTION.

7) INSTALL ALL PRODUCTS FOLLOWING THE MANUFACTURES RECOMMENDATIONS. IF A CONFLICT OCCURS CONTACT THE ENGINEER. SUBMIT A CATALOG CUT OF ALL PRODUCTS.

8) ANY CHANGE TO THE DRAWING OR SPECIFICATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. CHANGES WITHOUT AN APPROVED CHANGED WILL BE REMOVED AT THE CONTRACTOR'S EXPENSE,THE COST OF ADDITIONAL DESIGN WORK DUE TO ERRORS OR OMISSION IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.

9) CONTRACTOR PROPOSED VALUE ENGINEERING: THE CONTRACTOR IS RESPONSIBLE FOR ALL CHANGES NECESSARY IF THE OPTION IS SELECTED AND SHALL COORDINATE ALL DETAILS. THE COST OF ADDITIONAL DESIGN WORK AND REVIEW NECESSITATED BY THIS OPTION SHALL BE BORNE BY THE CONTRACTOR.

02000 SITE WORK

1) INSTALL SILT FENCE AND HAY BALES AS INDICATED PER DETAILS BEFORE ANY SOIL DISTURBANCE BEGINS. ADD EXTRA SILT FENCE OR HAY BALES AS NEEDED TO KEEP ALL THE SOIL EROSION ON SITE.

2) WITHIN 15 DAYS OF FINAL GRADING OR WITHIN 30 DAYS OF INITIAL SOIL DISTURBANCE ALL AREAS WHICH ARE NOT PAVED OR GRAVELED SHALL BE LOAMED AND SEEDED. THE SEED MIXTURE SHALL BE "PARK MIXTURE" PER MDOT. TEMPORARY MULCHING IS ACCEPTABLE. SEEDING OCT 1 TO NOV 15 SHALL BE WINTER RYE 1.5 LB/1000SF.

3) NO SEEDING SHALL TAKE PLACE BETWEEN JUNE 15 TO JULY 15. DISTURBED AREA DURING THESE DATES SHALL BY HAY MULCHED AT A RATE OF 2.5 BALES PER 1000SF AND SECURED WITH A PEG AND TWINE OF 1-6 PEG/SY OR TERRA TACK II AT A RATE OF 60 GALLONS/ACRE.

4) JUTE MESH SHALL BE INSTALLED ON ALL LOAM AND SEEDED AREAS WHICH HAVE A SLOPE GREATER THAN 3:1

5) AFTER EACH STORM ALL THE EROSION CONTROL AND SEEDING SHALL BE INSPECTED AND REPAIRED AS NEEDED.

6) WITHIN 30-45 DAYS OF SEED APPLICATION, ALL AREAS SHALL BE INSPECTED FOR SATISFACTORY GROWTH. AREAS OF LESS THAN 75 PERCENT GROWTH SHALL RE RESEEDED AT ORIGINAL APPLICATION RATES, MULCHED AND MAINTAINED ACCORDINGLY AS SPECIFIED ABOVE.

7) SLOPE THE GRADE AWAY FROM THE BUILDING AT A 1 PERCENT MINIMUM GRADE. 8 INCHES FROM THE SIDING IS THE CLOSEST SOIL SHALL BE PLACED. IF NEEDED USE GALVANIZED WINDOW WELLS.

02100 EXCAVATION

- 1) REMOVE ALL SOFT, ORGANIC & OTHER UNSUITABLE MATERIAL FROM UNDER AND ADJACENT TO ALL FOOTINGS AND FROM UNDER ALL SLABS ON GRADE.
- 2) EXTEND AND SLOPE SIDES OF EXCAVATION or SHORE, SHEET AND BRACE EXCAVATION AS REQUIRED TO ENSURE SAFETY AND STABILITY AT ALL TIMES.
- 3)PUMP EXCAVATION TO REMOVE SURFACE AND GROUND WATER TO PERMIT FINISHING OF EXCAVATION AND PLACEMENT OF FOUNDATIONS IN THE DRY.

4)ELEVATIONS GIVEN ARE MINIMUM IN DEPTH AND ARE NOT TO BE CONSTRUED AS LIMITING IN ANY WAY THE AMOUNT OF EXCAVATION REQUIRED TO REACH A SPECIFIED BEARING STRATA

5)IF LEDGE IS FOUND, A CUT SHALL THEN BE MADE TO PRODUCE A HORIZONTAL PLANE OF SOUND ROCK. THIS PLANE SHALL THEN BE CLEANED OF ANY LOOSE MATERIAL. THIS DOES NOT CAUSE AN EXTRA. REMOVAL OF LEDGE AFTER THIS HORIZONTAL PLANE AND IS AN EXTRA THAT REQUIRES A CHANGE ORDER TO CONTINUE. ROCKS THAT CAN BE MOVED BY THE EXCAVATOR IS DEFINITED AS NOT LEDGE.

02200 BACKFILL AND DRAINAGE:

1. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS. TEST BORINGS OR TEST PITS MAY BE AVAILABLE TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION, AND REPRESENT CONDITIONS ONLY AT THOSE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.

2. ALL FOOTINGS SHALL BE CARRIED FOUR INCHES INTO THE UNDISTURBED LAYER HAVING A MINIMUM BEARING CAPACITY OF 2,000 POUNDS PER SQUARE FOOT BEARING CAPACITY.

3. ALL EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF 5.5 FEET BELOW FINISHED GRADE, UNLESS OTHERWISE SHOWN ON PLANS.

5. NO FOOTING SHALL BE PLACED IN WATER.

6. ALL FOOTING EXCAVATIONS ARE TO BE FINISHED BY HAND.

7. MATERIAL ADJACENT TO AND BELOW FOOTING SHALL BE KEPT FROM FREEZING AT ALL TIMES. IF ANY MATERIAL IS FOUND TO BE FROZEN, IT SHALL BE REMOVED AND REPLACED WITH CONCRETE. IF ANY FROZEN MATERIAL IS FOUND BELOW THE SLAB ON GRADE IT SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL COMPACTED TO 98% PER ASTM D-1557 OR REPLACE WITH CRUSHED STONE COMPACTED TO 100% OF ASTM C-29.

9. BACKFILL UNDER SLABS ON GRADE AND AGAINST FOUNDATION WALLS INSIDE AND OUTSIDE THE BUILDING WITH AN APPROVED GRANULAR MATERIAL PLACED IN SIX INCH THICK LIFTS. COMPACT EACH LIFT TO 98% PER ASTM D-1557. THE TESTING INTERVAL SHALL BE EVERY 1500 SF OR EVERY LIFT. THE COMPACTION REPORT SHALL BE GIVEN TO THE ENGINEER AND APPROVED BEFORE PROCEEDING.

10. ALL FOOTINGS SHALL BEAR ON THE NATURAL, UNDISTURBED, INORGANIC MATERIAL HAVING A MINIMUM BEARING CAPACITY OF AS INDICATED ABOVE OR SHALL BEAR ON STRUCTURAL FILL PREPARED IN THE FOLLOWING MANNER.
A. REMOVE ALL UNSUITABLE MATERIAL (INCLUDING, BUT NOT LIMITED TO, EXISTING FILL, TOPSOIL AND OTHER ORGANICS WITHIN THE BUILDING FOOTPRINT AND AS REQUIRED FOR STABLE EXCAVATION.
B. COMPACT THE APPROVED SUBGRADE TO 95% OF ASTM D-1557.
C. PLACE STRUCTURAL FILL, CONSISTING OF CLEAN GRANULAR MATERIAL (GRADATION : PERCENT FINER BY WGT: #200: 0 TO 5%, #40: 0 TO 30%, 1/4" 25 TO 90%, 1.5" 100%) IN SIX INCH LIFTS, EACH LIFT COMPACTED TO AT LEAST 98% OF OF MAXIMUM DRY DENSITY AS COMPACTED TO 98% PER ASTM D-1557 OR REPLACE WITH CRUSHED STONE COMPACTE TO 100% OF ASTM C-29. THE TESTING INTERVAL SHALL BE EVERY 1500 SF OR EVERY LIFT. THE COMPACTION REPORT SHALL BE GIVEN TO THE ENGINEER AND APPROVED BEFORE PROCEEDING.

02500 BITUMINOUS PAVEMENT

1) WHERE NEW BITUMINOUS PAVEMENT MEETS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SHAPED (BY SAWCUTTING OR GRINDING) TO PROVIDE A VERTICAL EDGE. APPLY A TACK COAT (SECTION MDOT 409) TO EXISTING VERTICAL EDGES AND PAVEMENT PRIOR TO PLACING NEW ASPHALT.

2) THE SURFACE UPON WHICH THE PAVEMENT IS TO BE PLACED SHALL BE FREE OF MOISTURE AND VEGETATION AT THE TIME THE MATERIAL ISPLACED. THE AIR TEMPERATURE SHALL NOT BE LESS THAN 50° F NOR GREATER THAN 100°F. PLACE THE BITUMINOUS MIXTURE AT NOT LESS THAN 225 DEGREES F. COMPACT ALL PAVEMENT TO 98% MARSHALL DENSITY.

3) THE TOP SURFACE OF THE NEW PAVEMENT SHALL MATCH UP WITH TOP OF THE EXISTING PAVEMENT.

ST. CROIX REGIONAL
FAMILY HEALTH CENTER
CIVIL DRAWINGS

INDEX

THIS INDEX INDICATES ALL THE DRAWINGS IN THIS SET COVERED BY THE P.E. STAMP. DISTRIBUTE COMPLETE DRAWINGS SETS ONLY.

CIVIL DRAWINGS

- C1 GENERAL NOTES & INDEX (REV 1)
- C2 SITE PLAN
- C3 ENLARGED SITE PLAN
- C4 EXTRA ENLARGED SITE PLAN
- C5 DETAILS E1, E2, E3
- C6 DETAILS E4 & 10
- C7 DETAIL E5
- C8 SECTION A & B
- C9 DETAILS 1 TO 4
- C10 DETAILS 5 & 7 + MORE NOTES
- C11 TYPICAL WATER & SEWER PLAN

GENERAL PIPING NOTES

- 1) ALL UNDERGROUND PIPING PROVIDED PER BEDDING DETAIL 3/C9
- 2) ALL PIPING ENDS THAT DAYLIGHT (DITCH, DETENSION POND,ETC) SHALL BE RIPRAPED PER DETAIL 8/C17. PROVIDE 1/4" S.S. SCREEN AT ALL ENDS OF PIPING

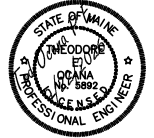
SEE C10 FOR MORE NOTES

TO SCALE @ 11X17 (THIS DWG DECIMAL FT)

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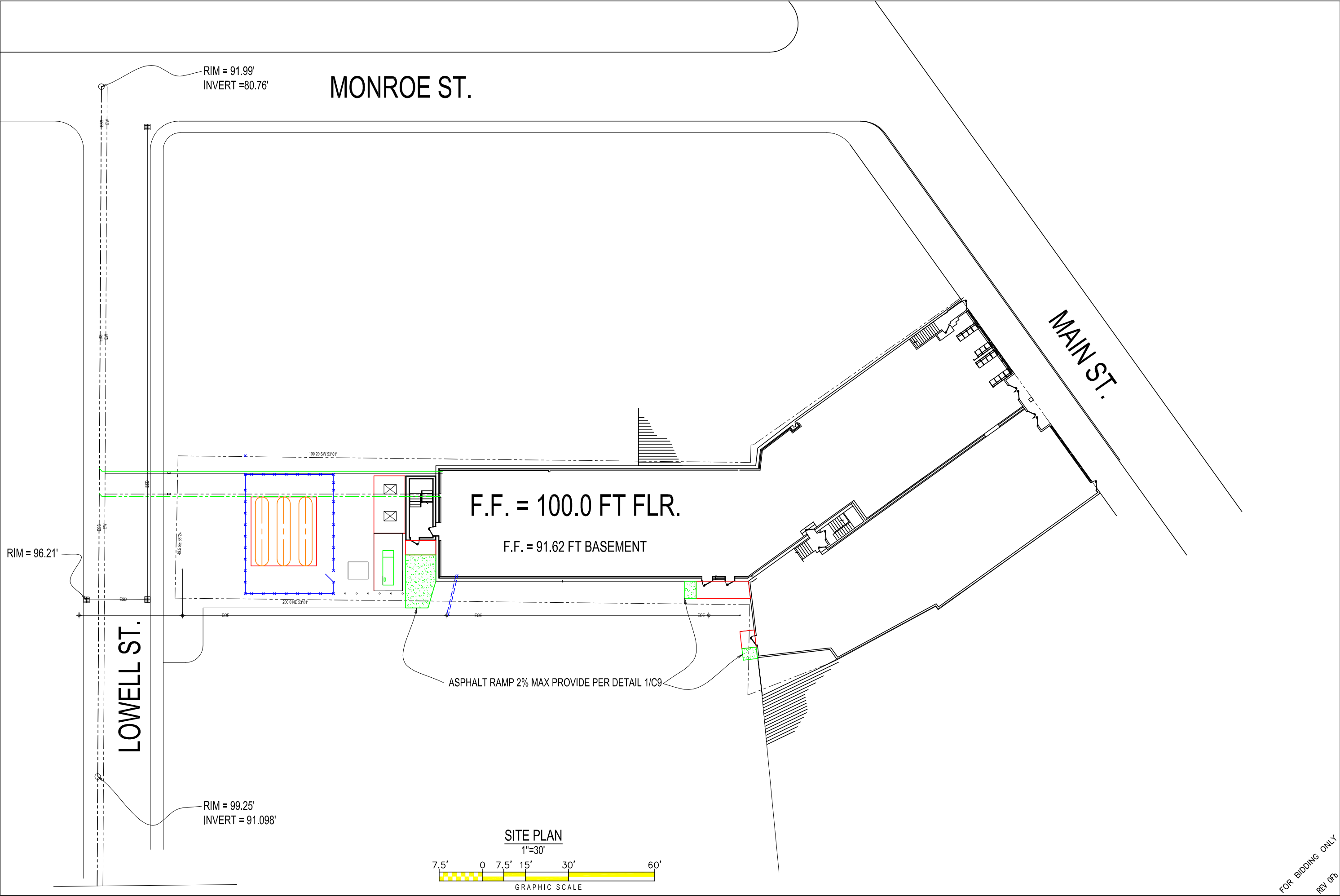
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GENERAL NOTES & INDEX
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CALAIS, MAINE

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DRAWN: SRT
JOB NO: 26001C
C1

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REL 07b



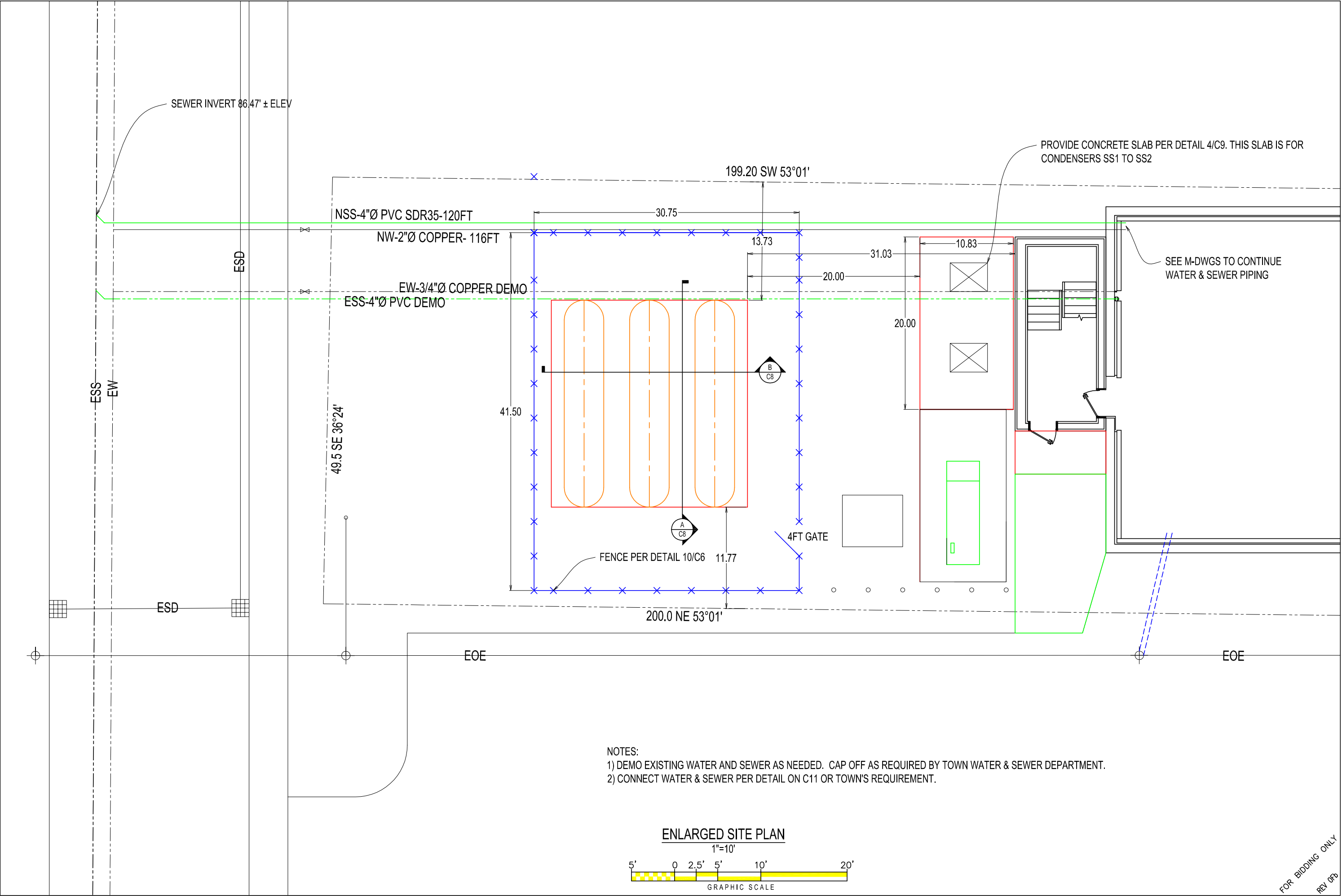
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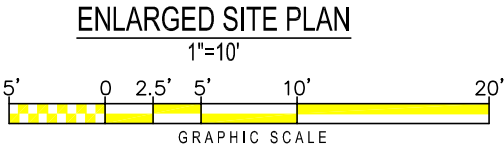
SITE PLAN
ST. CROIX HEALTH CENTER
MAIN ST
CALAIS, MAINE

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DRAWN: SRT
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C2

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REV 0/0



- NOTES:
- 1) DEMO EXISTING WATER AND SEWER AS NEEDED. CAP OFF AS REQUIRED BY TOWN WATER & SEWER DEPARTMENT.
 - 2) CONNECT WATER & SEWER PER DETAIL ON C11 OR TOWN'S REQUIREMENT.



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ENLARGED SITE PLAN

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MAIN ST
CALAIS, MAINE

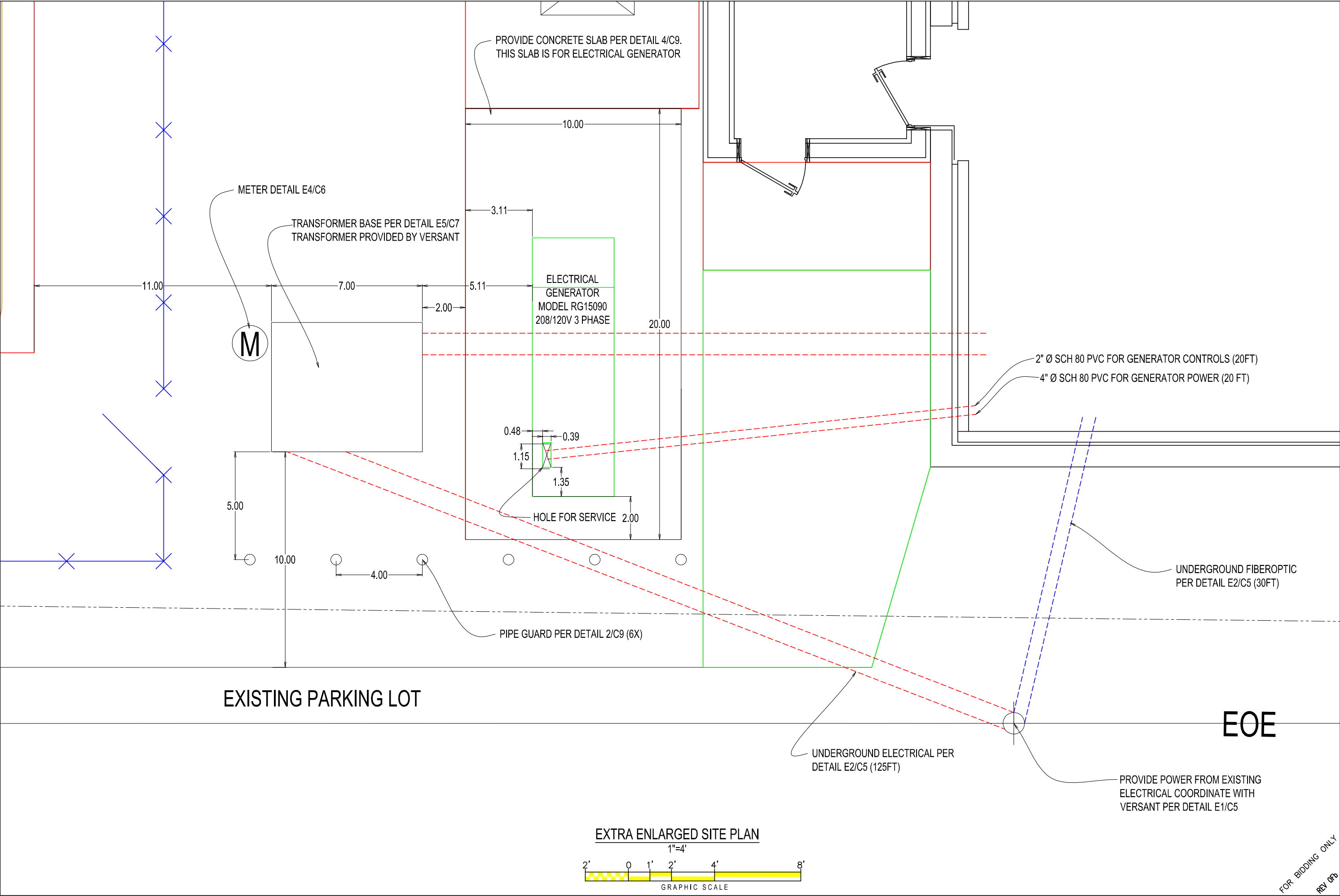
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C3



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EXTRA ENLARGED SITE PLAN
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MAIN ST
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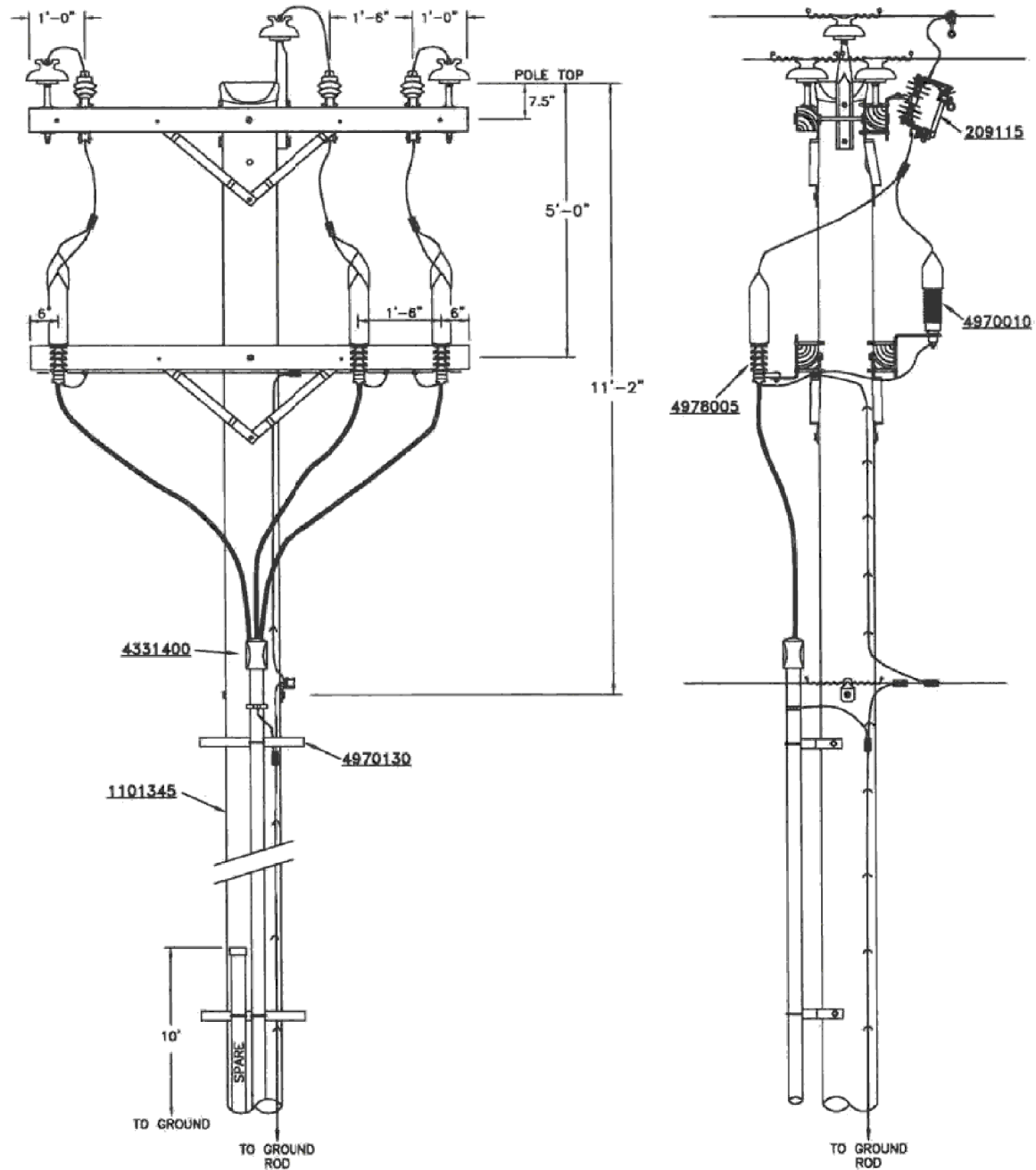
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C4

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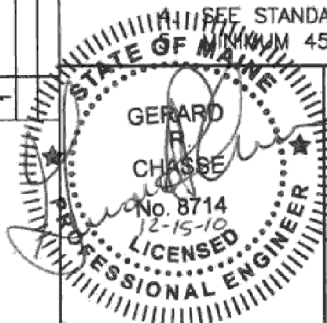
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1	2009 REVISIONS & REFORMAT	9-9-10	GAN



NOTES:

1. ARRESTER LEAD MUST BE AS SHORT AS POSSIBLE TO BE EFFECTIVE.
2. USE #4 STR. COPPER GROUND FOR #2 & 1/0 ALUMINUM UNDERGROUND CABLES FROM TERMINATION TO NEUTRAL.
3. USE 1/0 STR. COPPER GROUND FOR 1/0 COPPER & 4/0 ALUMINUM UNDERGROUND CABLES FROM TERMINATION TO NEUTRAL.
4. SEE STANDARD #2217 & 2218 FOR CONDUIT DETAILS.
5. MINIMUM 45' POLE REQUIRED.



DISTRIBUTION
CONSTRUCTION
STANDARDS

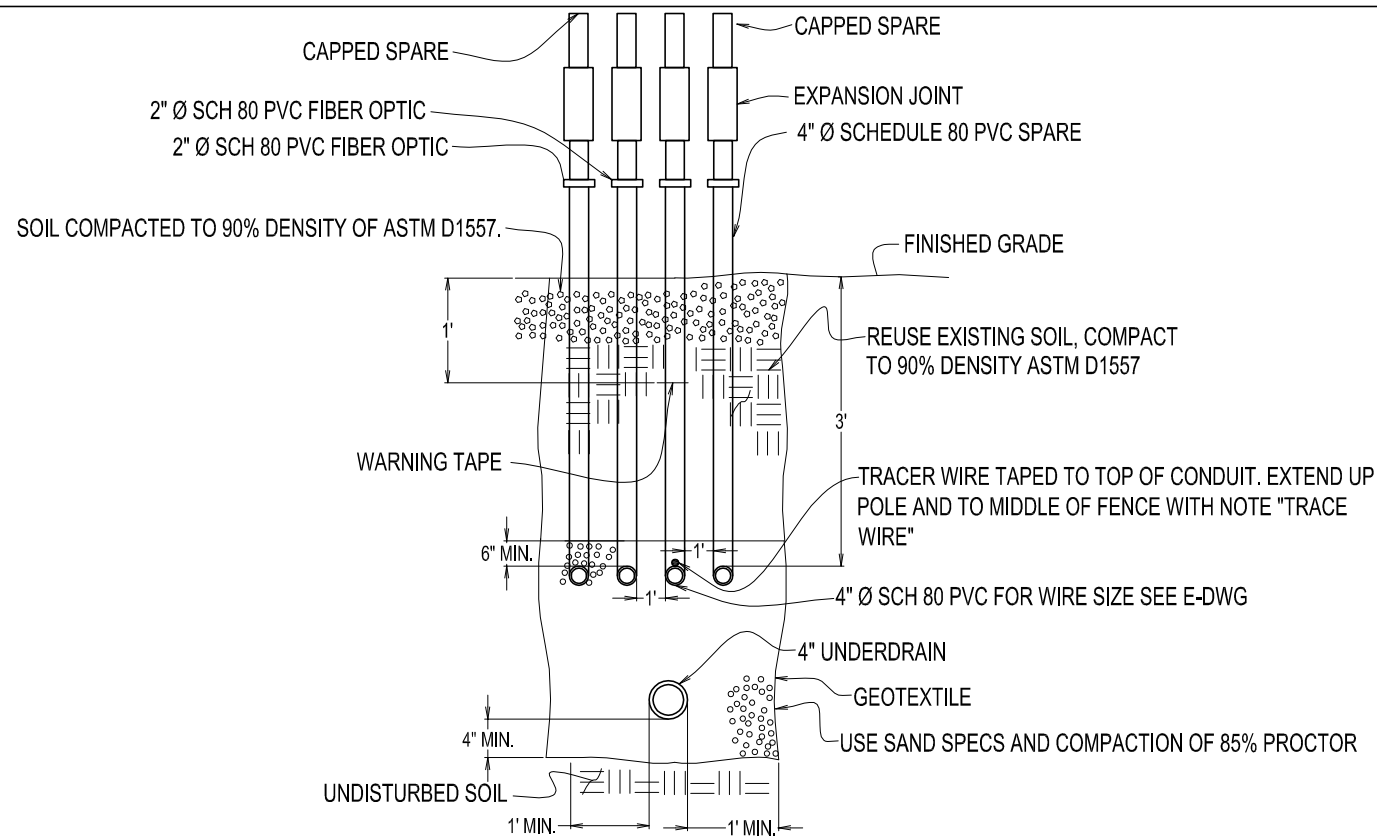
15KV - THREE PHASE 3 WIRE U.R.D.
750 KVA TRANSFORMER AND BELOW

BANGOR HYDRO ELECTRIC Co.

DRAWING
2105

E1 U.G. ELEC. NEW POLE DETAIL
SCALE: N.T.S.

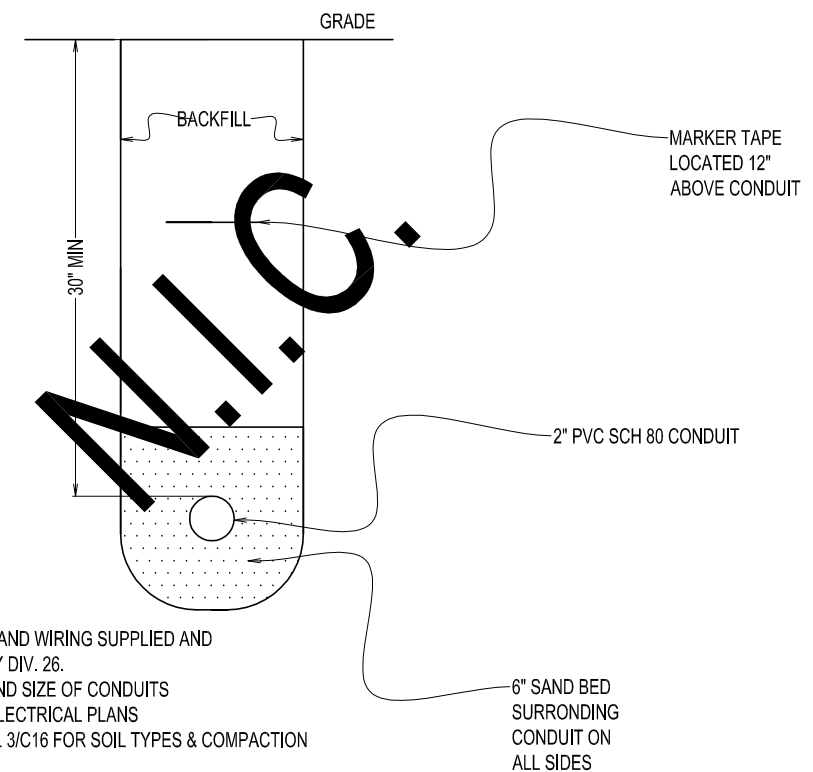
NOTE: PROVIDE CONDUITS SIZE AND
NUMBER PER DETAIL E2



E2 U.G. ELEC. BEDDING DETAIL
SCALE: N.T.S.

NOTES:

- 1) PROVIDE 200# PULL ROPE IN SPARE CONDUITS & BOTH FIBER OPTIC CONDUITS.



NOTES

- 1) CONDUITS AND WIRING SUPPLIED AND INSTALLED BY DIV. 26.
- 2) NUMBER AND SIZE OF CONDUITS SHOWN ON ELECTRICAL PLANS
- 3) SEE DETAIL 3/C16 FOR SOIL TYPES & COMPACTION

E3 UNDERGROUND LIGHTING CONDUIT
SCALE: N.T.S.

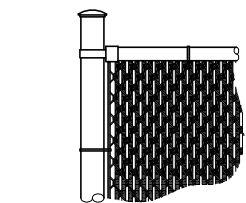
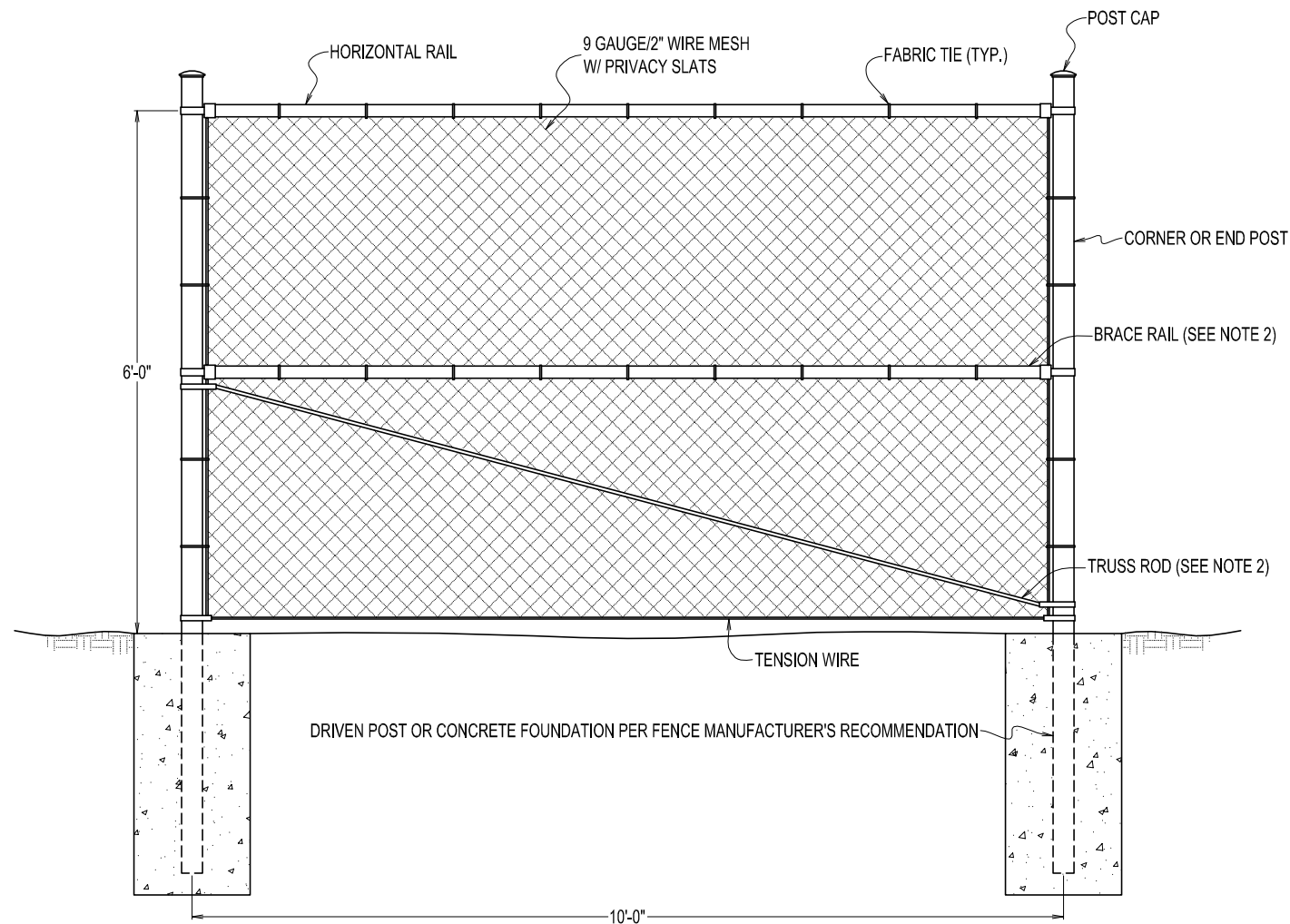
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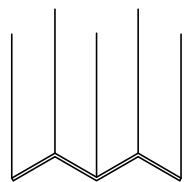
DETAILS E1 TO E3
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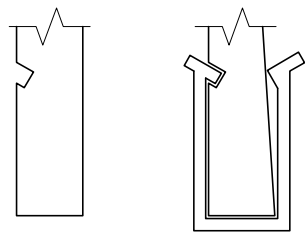
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VINYL SLAT ELEV. VIEW



VINYL SLAT END VIEW



VINYL SLAT LOCKING CHANNEL DETAIL

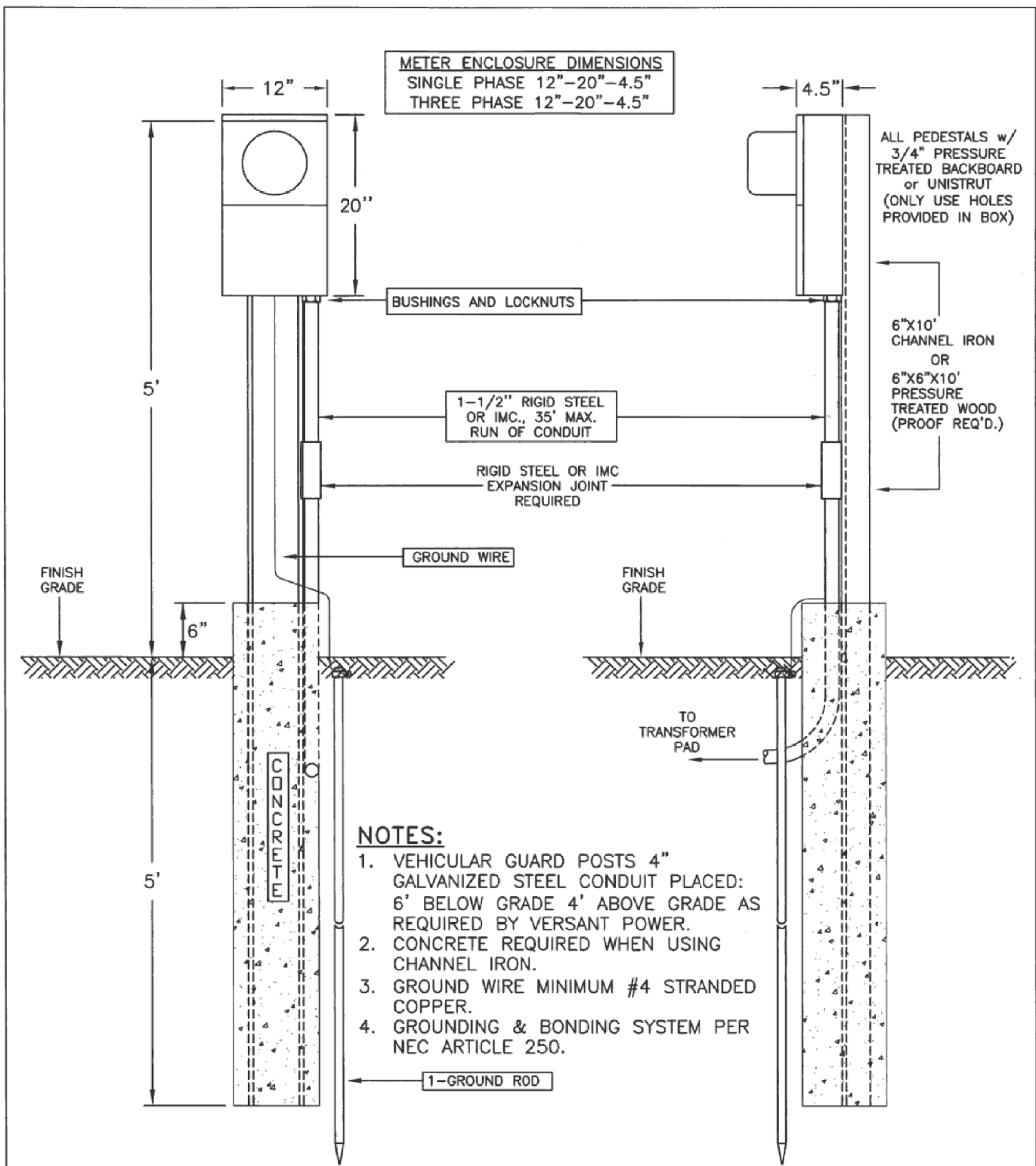
NOTES:

- 1.) ALL FENCE MATERIAL & COMPONENTS SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
- 2.) ADJUSTABLE TRUSS ROD & BRACE RAIL AT CORNER OR END POSTS ONLY, IF REQUIRED PER MANUFACTURER'S RECOMMENDATION.
- 3.) VINYL PRIVACY SLATS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 4.) COLOR SELECTION OF VINYL SLATS SHALL BE BY OWNER IN BLUE.

10

CHAIN LINK FENCE

SCALE: N.T.S.



NOTES:

1. VEHICULAR GUARD POSTS 4" GALVANIZED STEEL CONDUIT PLACED: 6' BELOW GRADE 4' ABOVE GRADE AS REQUIRED BY VERSANT POWER.
2. CONCRETE REQUIRED WHEN USING CHANNEL IRON.
3. GROUND WIRE MINIMUM #4 STRANDED COPPER.
4. GROUNDING & BONDING SYSTEM PER NEC ARTICLE 250.



DISTRIBUTION
CONSTRUCTION
STANDARDS



OUTDOOR PEDESTAL
FOR TRANSFORMER RATED
PAD MOUNTED METERING

LAST REVISED
07-14-2020

DRAWING
2716

E4

OUTDOOR PEDETAL METER

SCALE: N.T.S.

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DETAILS E4 & 10
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DATE: 9/22/26
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C6

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American Concrete Industries

6' x 7' TRANSFORMER PAD BASE

ACI CATALOG 2014

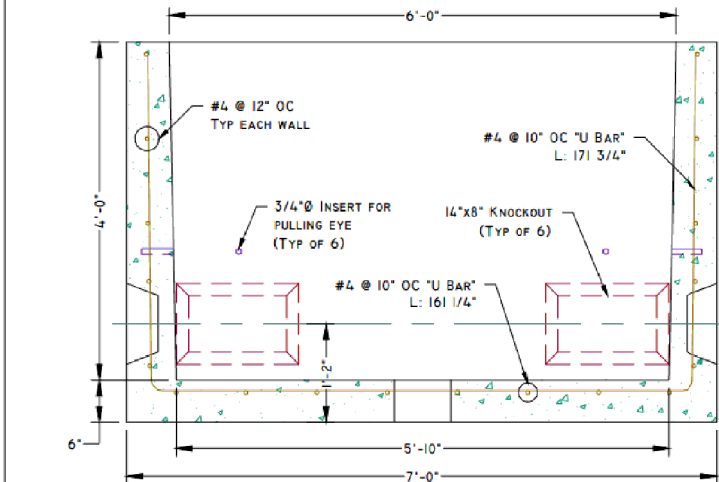
EMERA MAINE

TRANSFORMER PAD

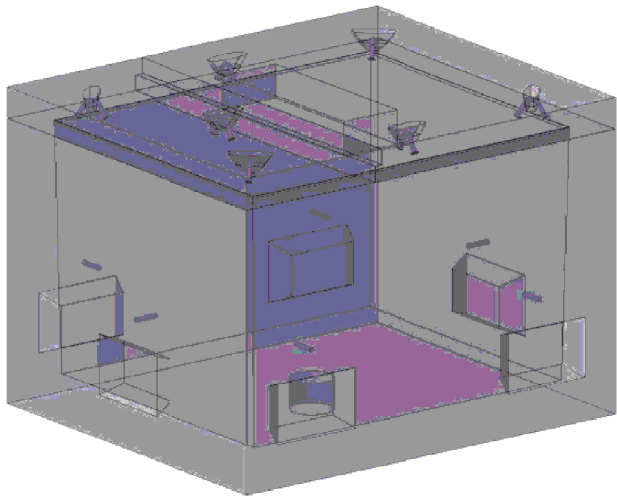
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BILL OF MATERIALS

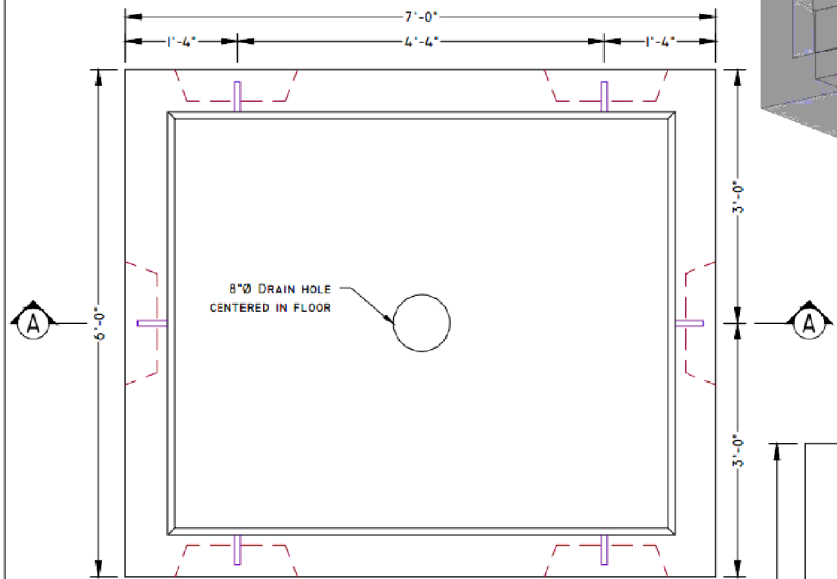
(1)	6'x7' 75KVA-300KVA TRANSFORMER PAD
	BASE WEIGHT: 10,510 #
	COVER WEIGHT: 3,070 #
(6)	3/4"Ø PULLING INSERT



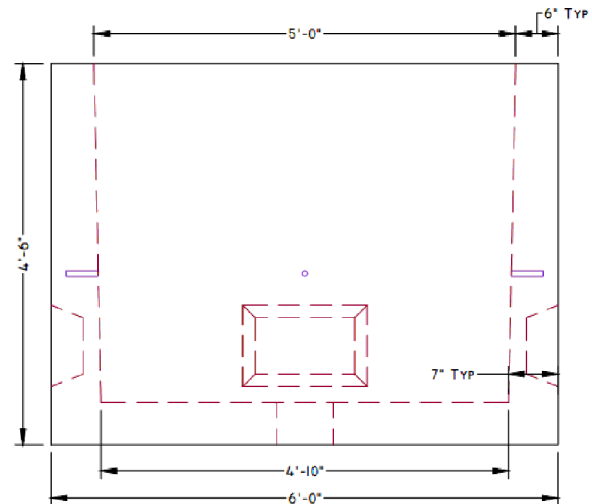
SECTION A-A



CONCEPTUAL VIEW
SCALE: NTS



PLAN VIEW



SIDE VIEW

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: MIN. 5%-6%
- Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
- Bar Clearance / Protection:**
 - 3.1. COVER: 1.5" CLR (UNLESS OTHERWISE NOTED)
 - 3.2. BASE FLOOR: 1.5" CLR (UNLESS OTHERWISE NOTED)
 - 3.3. BASE WALLS: CENTERED IN WALL
- General:**
 - 4.1. PULLING EYES 4.5" ± ABOVE KNOCKOUTS TYPICAL
 - 4.2. SEALANT AROUND BASE OF COVER NOT PERMITTED
 - 4.3. KNOCK OUTS UNDER PIMARY ACCESS COVER FOR PRIMARY CONDUCTORS ONLY

WWW.AMERICANCONCRETE.COM
1717 STILLWATER AVE
VEAZIE, ME 04401
TEL (207) 947-8336 | FAX (207) 947-3580

1022 MINOT AVE
AUBURN, ME 04210
TEL (207) 784-1388 | FAX (207) 783-4039

SCALE: 1/2" = 1'-0" UNLESS OTHERWISE NOTED

DRAWN DATE: 06/18/2014 SSM

REVISION #:

REVISION DATE:

NOTES

- 1) RECESSED LIFTING SLOTS(4) W/STEEL BARS FOR LIFTING COVER
- 2) CABLE BONDOUTS AS REQUIRED BY ELECTRICAL COMPANY.
- 3) "FRONT" DENOTES THE SIDE ON WHICH THE ACCESS DOORS ARE LOCATED.
- 4) OVERALL HEIGHT MAY BE SHORTENED PER T&D ENGINEERING APPROVAL
- 5) CONCRETE TO BE 4000 PSI FOR 28 DAY TEST W/ MAX 3.4" BROKEN STONE
- 6) 3/4" ANCHORS FOR 3/4" EYE BOLTS (4X) AT 90° ANGLES FOR CABLE PULLING.
- 7) PROVIDE COMPACTED GRAVEL BASE AND BACKFILL W/ ADEQUATE DRAINAGE SYSTEM W/ POSITIVE DRAINAGE. CONNECT TO BLDG PERIMETER DRAIN.
- 8) CONDUITS MUST HAVE END USED AT TERMINATION IN FOUNDATION.
- 9) TRANSFORMER MUST BE ACCESSIBLE BY TRUCK AND LOCATED ACCORDING TO STANDARD #2227.
- 10) PROVIDE PULL ROPE FOR ELECTRICAL COMPANY INSTALLATION
- 11) PROVIDE 15' MINIMUM SLACK FOR EACH CABLE IN WELL.
- 12) PROVIDE 5/8" X 8FT COPPER CLAD GROUND ROD W/ A 8' MINIMUM #4 STR. BARE COPPER PIGTAIL.
- 13) 4" MINIMUM CONDUIT SIZE FOR THREE PHASE FACILITY.
- 14) PROVIDE CONDUIT REQUIRED FOR METERING AS REQUIRED BY ELECTRICAL METERING DEPT.
- 15) NO METER PEDESTAL MAY BE ATTACHED TO THE TRANSFORMER FOUNDATION.
- 16) SEALANT AROUND BASE OF COVER WILL NOT BE PERMITTED.
- 17) ELECTRICAL COMPANY RESERVES THE RIGHT TO REQUIRE A LARGER FOUNDATION FOR THIS RANGE OF TRANSFORMER SIZES

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DETAIL E5

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SCALE: NOTED

DRAWN: SRT

JOB NO: 260010

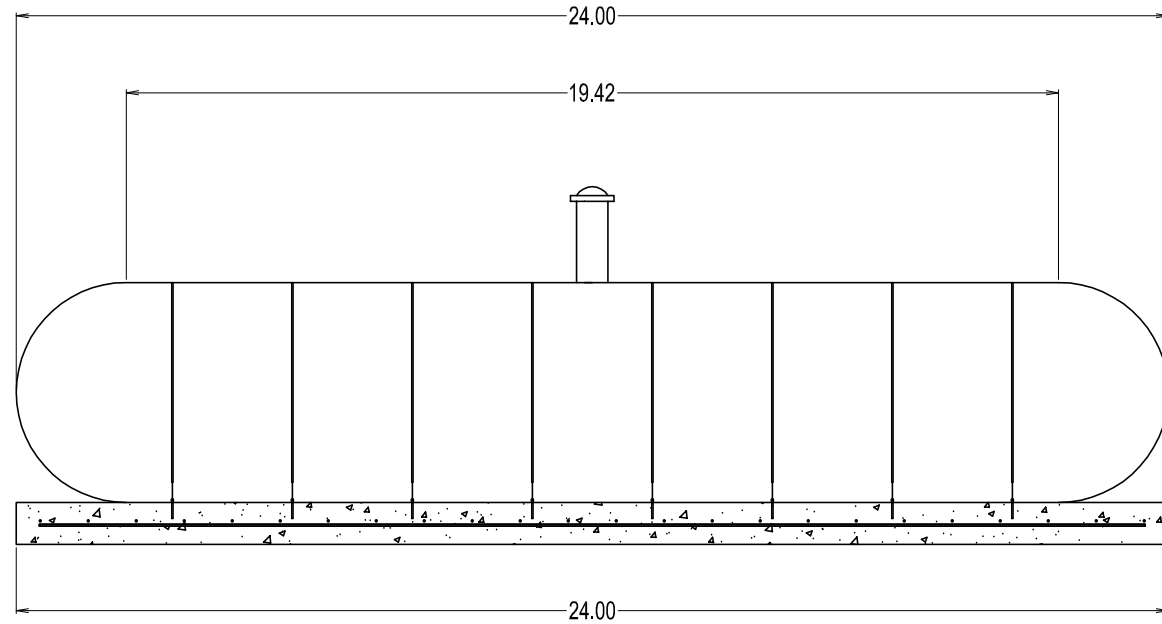
C7

E5

PRECAST TRANSFORMER FOUNDATION

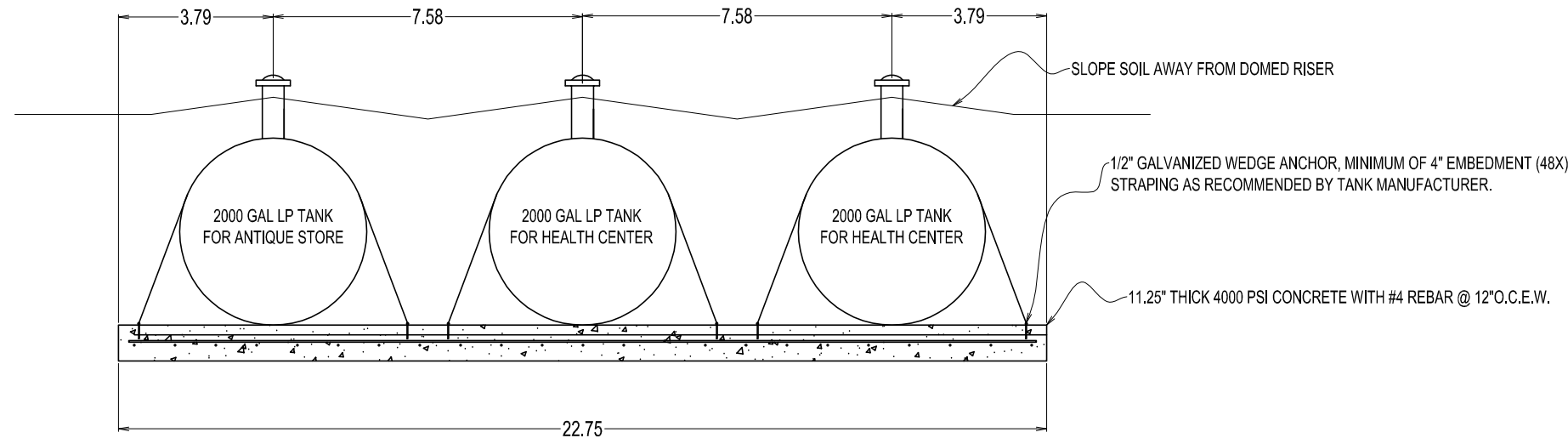
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REV 07/26



U.G. PROPANE TANKS

SCALE: 1"= 4'



- NOTES:
- 1) BED TANKS PER PIPE BEDDING DETAIL 3 ON C9



U.G. PROPANE TANKS

SCALE: 1"= 4'

- NOTES
- 1) ALL LP TANKS SHALL BE PROVIDED WITH CATHODIC PROTECTION AND TESTING STATION PER NFPA 58. PROVIDE SUBMITAL.
 - 2) PROVIDE FIRST TESTING WHICH SHOULD BE AT LEAST -0.85D.C. USING COPPER-COPPER SULFATE HALF CELL. ONWER TO RETEST EVERY 2 YEARS.
 - 3) TANK INSTALLED MIN. 10 FT FROM BUILDING AND ANY IGNITION SOURCE

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REV 07b

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SECTIONS A & B
ST. CROIX HEALTH CENTER
MAIN ST
CALAIS, MAINE

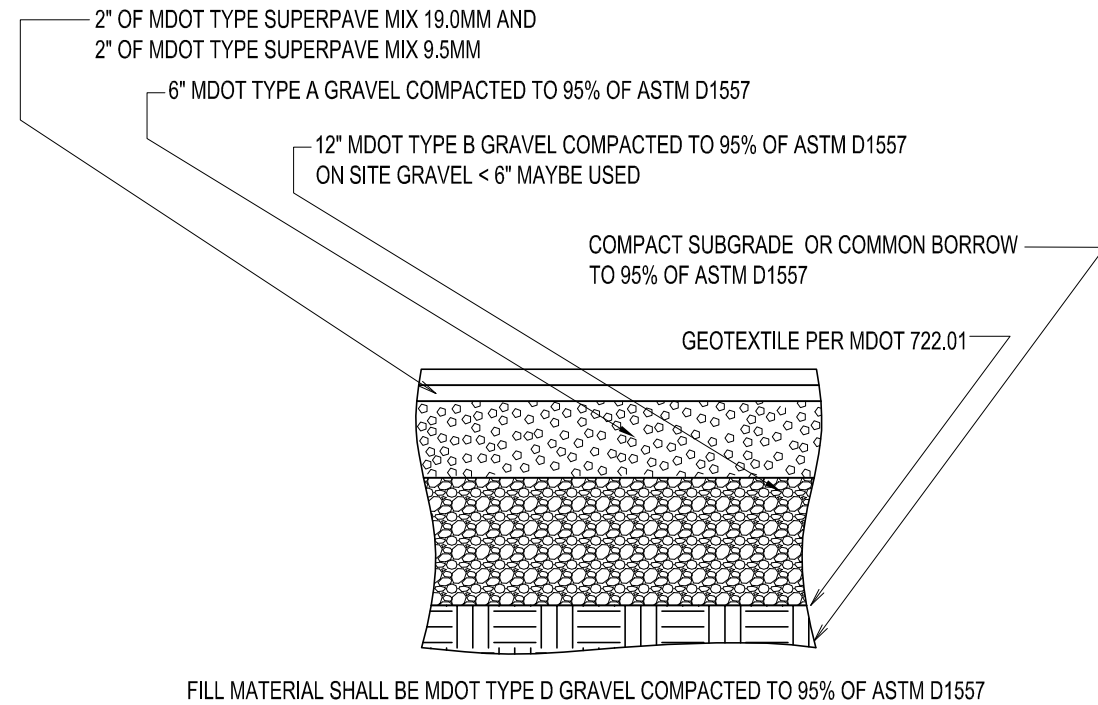
DATE: 9/22/26

SCALE: NOTED

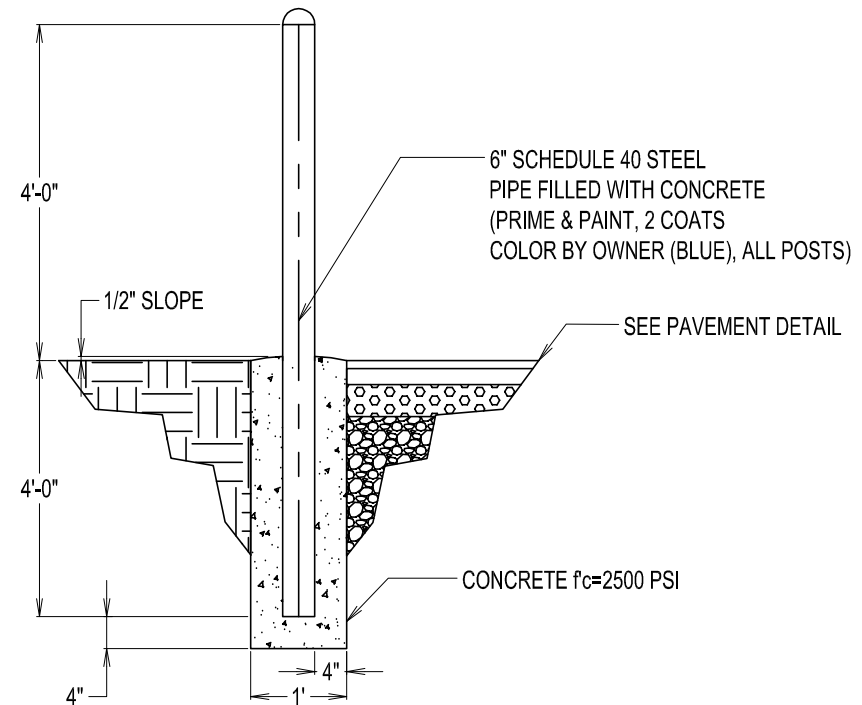
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JOB NO: 26001C

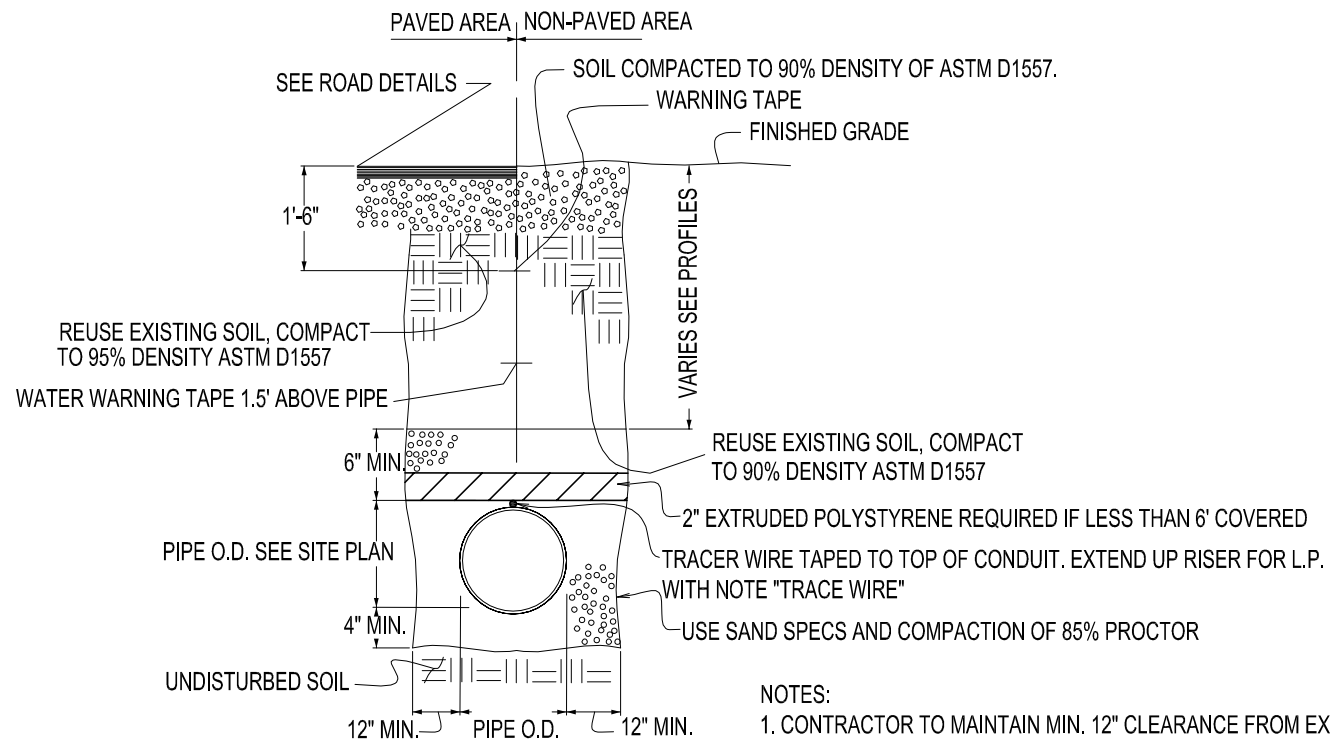
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1 PAVEMENT DETAIL
SCALE: N.T.S.

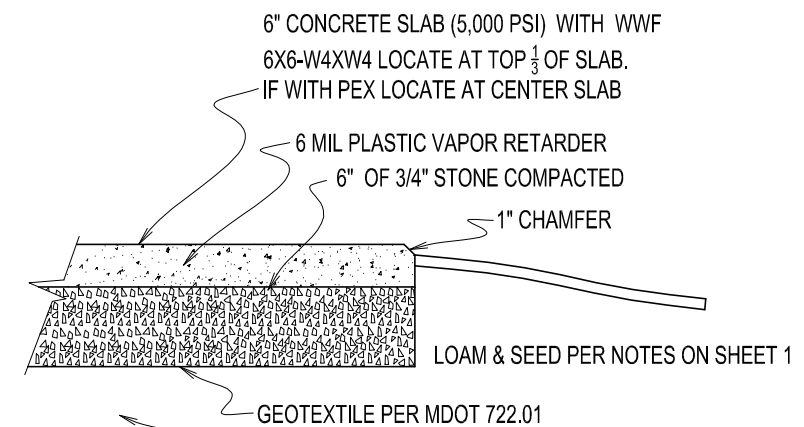


2 GUARD POST
SCALE: 1/2" = 1'



3 PIPE BEDDING DETAIL
SCALE: N.T.S.

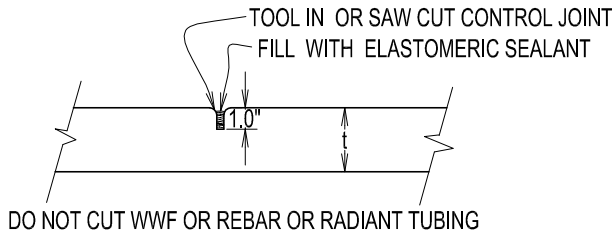
- NOTES:
1. CONTRACTOR TO MAINTAIN MIN. 12" CLEARANCE FROM EXISTING BURIED UTILITIES & MIN. 24" CLEARANCE FROM EXISTING STEAM LINES
 2. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. PLEASE CALL DIG SAFE SYSTEM, INC. -MAINE @ (888) 344-7233 OR (781) 721-0990.



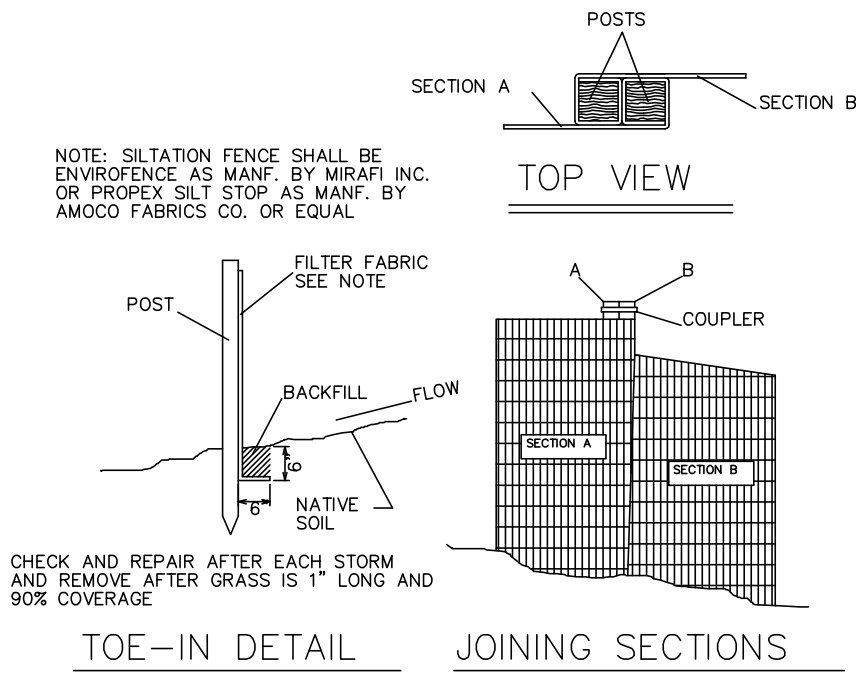
- NOTE:
- 1) SEE DETAIL 5 FOR JOINTS
 - 2) USE ASHFORD FORMULA CURING COMPOUND. (617) 938-8811
 - 3) FILL MATERIAL SHALL BE MDOT TYPE D GRAVEL COMPACTED TO 95% OF ASTM D1557
 - 4) CASTING AGAINST EXISTING CONCRETE PROVIDE 1/2" Ø x 12"L @ 12" O.C. SECURE WITH HILTI H4-200 EPOXY WITH 4" EMBEDMENT. GREASE OPPOSITE END.
 - 5) FOR SIDEWALK 1-1.5% SLOPED AWAY FROM BUILDING.
 - 6) PROVIDE GROUNDING WIRE FOR EQUIPMENT AS REQUIRED PER INSTALLATION INSTRUCTIONS.

7) SEE M-DWGS FOR HEATED SIDEWALK REQUIREMENTS. FOR HEATED SIDEWALKS, ADD 2" OF RIGID INSULATION BELOW VAPOR BARRIER. EXTEND 2FT BEYOND SLAB EDGE.

4 CONCRETE SLAB DETAIL
SCALE: N.T.S.



5 CONCRETE CONTROL JOINT
MAXIMUM SPACING 12' O.C.



7 SILTATION FENCE
SCALE: N.T.S.

- 02511 STORM DRAINAGE PIPE
1) CORRUGATED HIGH DENSITY POLYETHYLENE SMOOTH INTERIOR WITH PERFORATIONS ON TOP SHALL CONFORM TO ASTM F405, ASSHTO M252 & M294.
- 2) JOINTS SHALL BE RUBBER GASKETS CONFORMING TO ASTM F477.
- 3) THE INTENT IS TO SET THE PIPE TO THE PROFILE GRADE WITHIN A TOLERANCE OF PLUS OR MINUS 0.05 FEET FOR GRADE AND PLUS OR MINUS 0.10 FEET FOR ALIGNMENT.
- 02515 UNDERDRAIN PIPE
1) CORRUGATED HIGH DENSITY POLYETHYLENE WITH PERFORATIONS ON BOTTOM SHALL CONFORM TO ASTM F405, ASSHTO M252 & M294.
- 2) JOINTS SHALL BE STANDARD COUPLING.
- 3) THE INTENT IS TO SET THE PIPE TO THE PROFILE GRADE WITHIN A TOLERANCE OF PLUS OR MINUS 0.05 FEET FOR GRADE AND PLUS OR MINUS 0.10 FEET FOR ALIGNMENT.
- 02550 SANITARY SEWER
1)POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D3034 AND SHALL HAVE A VALUE OF F/DELTA Y EQUAL TO 46 PSI AND SDR EQUAL TO 35.
- 2) JOINTS IN PVC PIPING SHALL BE ELASTOMETRIC GASKET JOINTS CONFORMING TO ASTM D3212.
- 3) THE INTENT IS TO SET THE PIPE TO THE PROFILE GRADE WITHIN A TOLERANCE OF PLUS OR MINUS 0.05 FEET FOR GRADE AND PLUS OR MINUS 0.10 FEET FOR ALIGNMENT.

- 4) TEST FOR WATERTIGHTNESS IN THE PRESENCE OF THE INSPECTOR. THE MAXIMUM EXFILTRATION OF 100 GALLONS PER DAY PER INCH PER MILE IS ACCEPTABLE. AIR TESTING MAY ALSO BE USED.
- 02555 WATER DISTRIBUTION SYSTEM
1) WATER LINES $\leq 2"$ Ø
- 2) TYPE K COPPER 380 PSI RATED
- 3) THE INTENT IS TO SET THE PIPE TO THE PROFILE GRADE WITHIN A TOLERANCE OF PLUS OR MINUS 0.05 FEET FOR GRADE AND PLUS OR MINUS 0.10 FEET FOR ALIGNMENT.
- 4) PRESSURE TESTING IN THE PRESENCE OF THE INSPECTOR. AFTER BACKFILLING EXCEPT FOR THE JOINTS, EXPEL THE AIR FROM THE PIPE AND MAINTAIN 1.5 TIMES WORKING PRESSURE BUT NOT LESS THAN 125 PSI FOR TWO HOURS WITH 5 PSI ALLOWABLE PRESSURE DROP..
- 5) DISINFECT IN THE PRESENCE OF THE INSPECTOR. FLUSH PIPING TO A MINIMUM OF 3 FEET/SEC. PROVIDE A CHLORINE DOSE OF 50 MG/L FOR AT LEAST 24 HOURS. TEST AT THE END OF THE TESTING PERIOD FOR CHLORINE RESIDUAL OF AT LEAST 0.5 MG/L. IF RESIDUAL IS OBTAINED CONDUCT A FINAL FLUSH ON THE SYSTEM WITH CLEAN CITY WATER. TWO WATER SAMPLES SHALL BE COLLECTED AND TESTED FOR COLIFORM BACTERIA. ONE AT 24 AND 48 HOURS AFTER START OF PROCEDURE. FAILURE OF THE COLIFORM TEST RESTARTS THE DISINFECTION PROCEDURE.

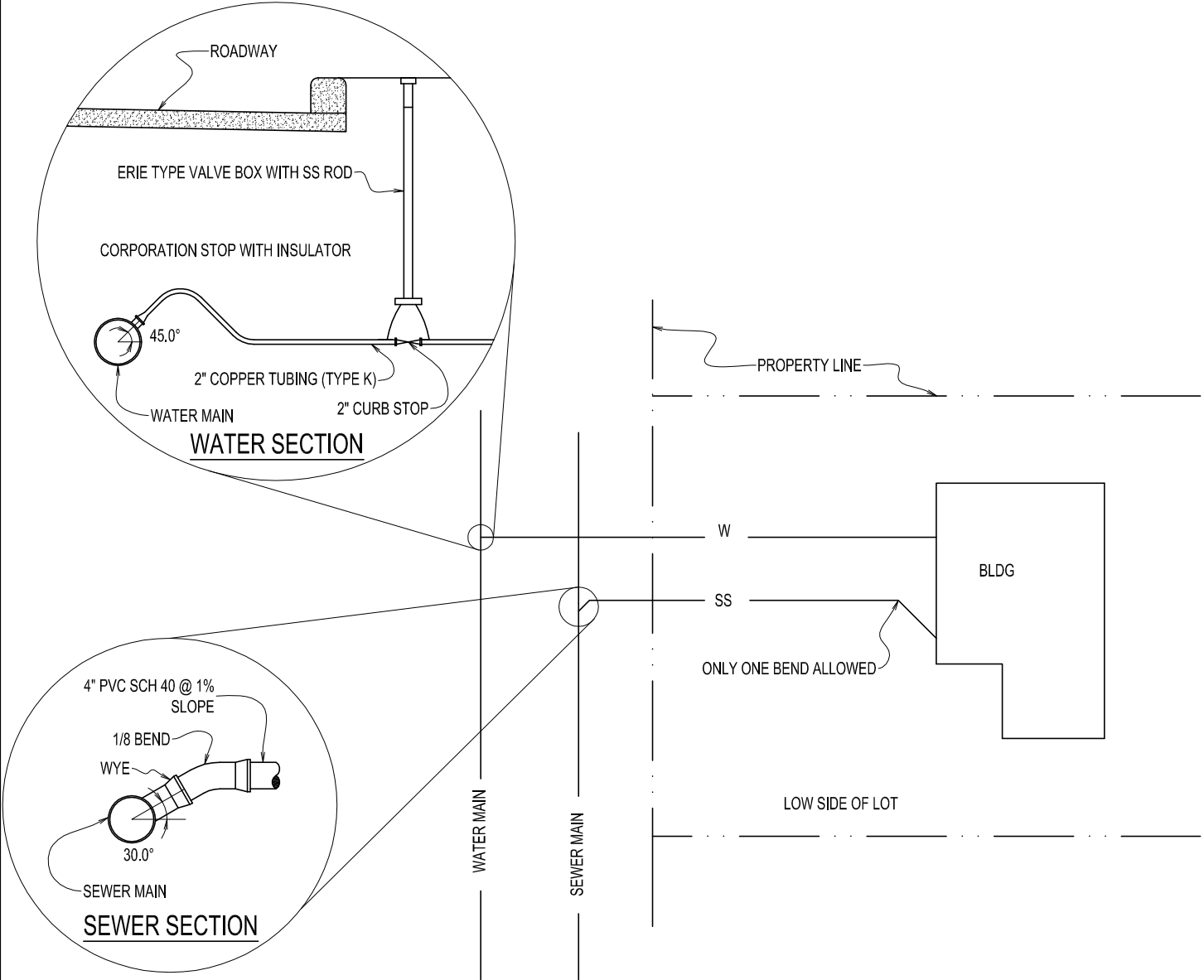
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DETAILS 5 & 7 + MORE NOTES
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TYP. WATER & SEWER SITE PLAN VIEW

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TYPICAL WATER & SEWER PLAN
ST. CROIX HEALTH CENTER
MAIN ST
CALAIS, MAINE

DATE: 9/22/26
SCALE: NOTED
DRAWN: SRT
JOB NO: 26001C
C11