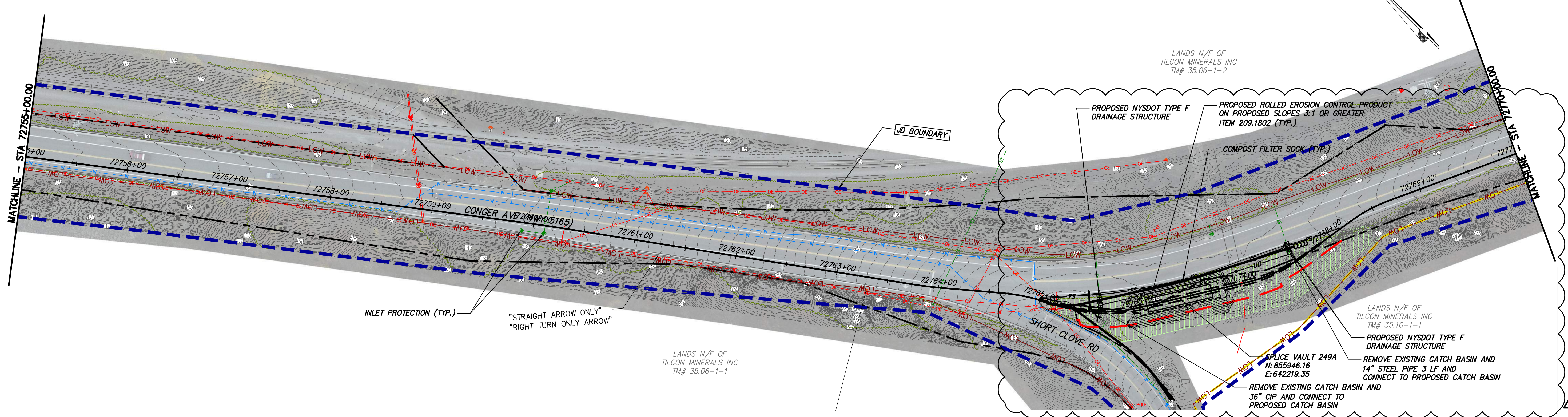
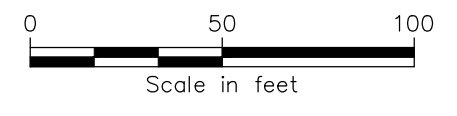
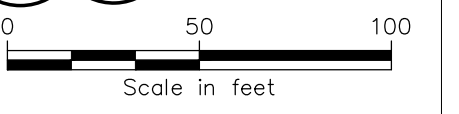


STA. 72740+00.00 TO STA. 72755+00.00 PLAN VIEW
SCALE: 1" = 50'



STA. 72755+00.00 TO STA. 72770+00.00 PLAN VIEW
SCALE: 1" = 50'



PROJECT NO.: 21162 PROJECT NO.: 120174

Engineering and Land Surveying, P.C.



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|---------------------------------------|----|-----|
| 1 | 12/22/2023 | NDC-0030: NYS DOT R8 DIRECTED CHANGES | BL | BD |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | BL | BD |

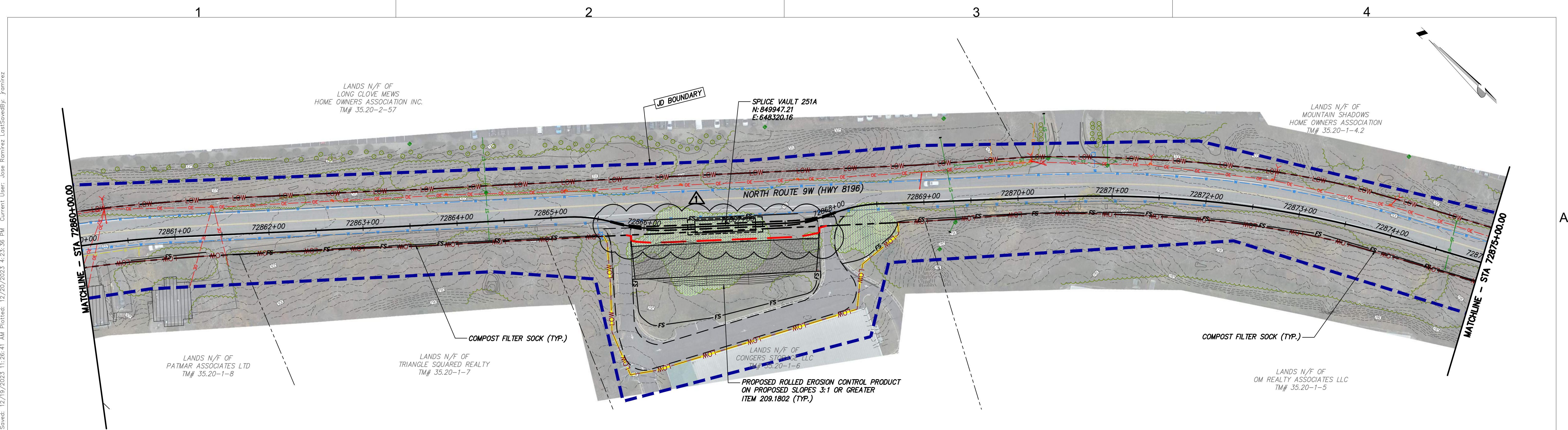
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
EROSION AND SEDIMENT CONTROL PLAN
STA. 72740+00.00 TO STA. 72770+00.00

DRAWN BY: BL DESIGNED BY: BL APPROVED BY: BD SCALE: AS SHOWN
 DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**

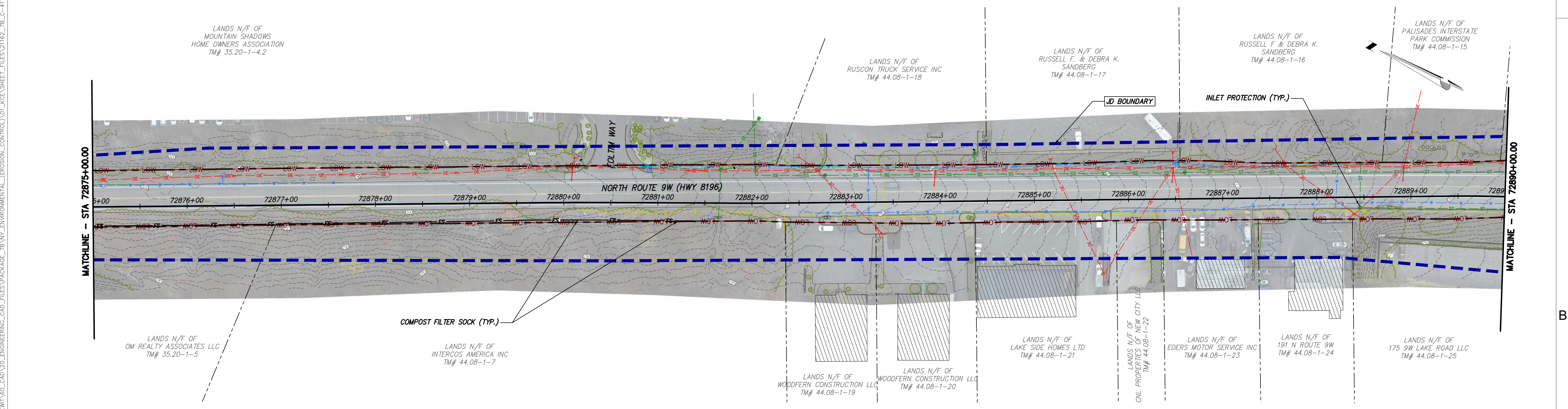
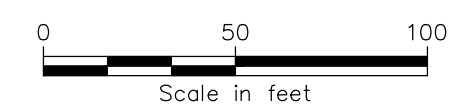
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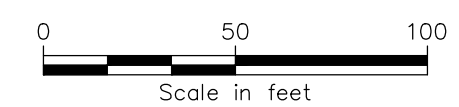
STA. 72860+00.00 TO STA. 72875+00.00 PLAN VIEW

SCALE: 1" = 50'



STA. 72875+00.00 TO STA. 72890+00.00 PLAN VIEW

SCALE: 1" = 50'



PROJECT NO.: 21162

PROJECT NO.: 120174

ALTERED ON:

AFFIXED ON: 12/22/2023

Engineering and Land Surveying, P.C.



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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
EROSION AND SEDIMENT CONTROL PLAN
STA. 72860+00.00 TO STA. 72890+00.00

DRAWN BY: BL DESIGNED BY: BL APPROVED BY: BD

SCALE AS SHOWN
 DATE: 07/20/2023

PERMIT DRAWING NO.
N/A

DRAWING NO.
C-413

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CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

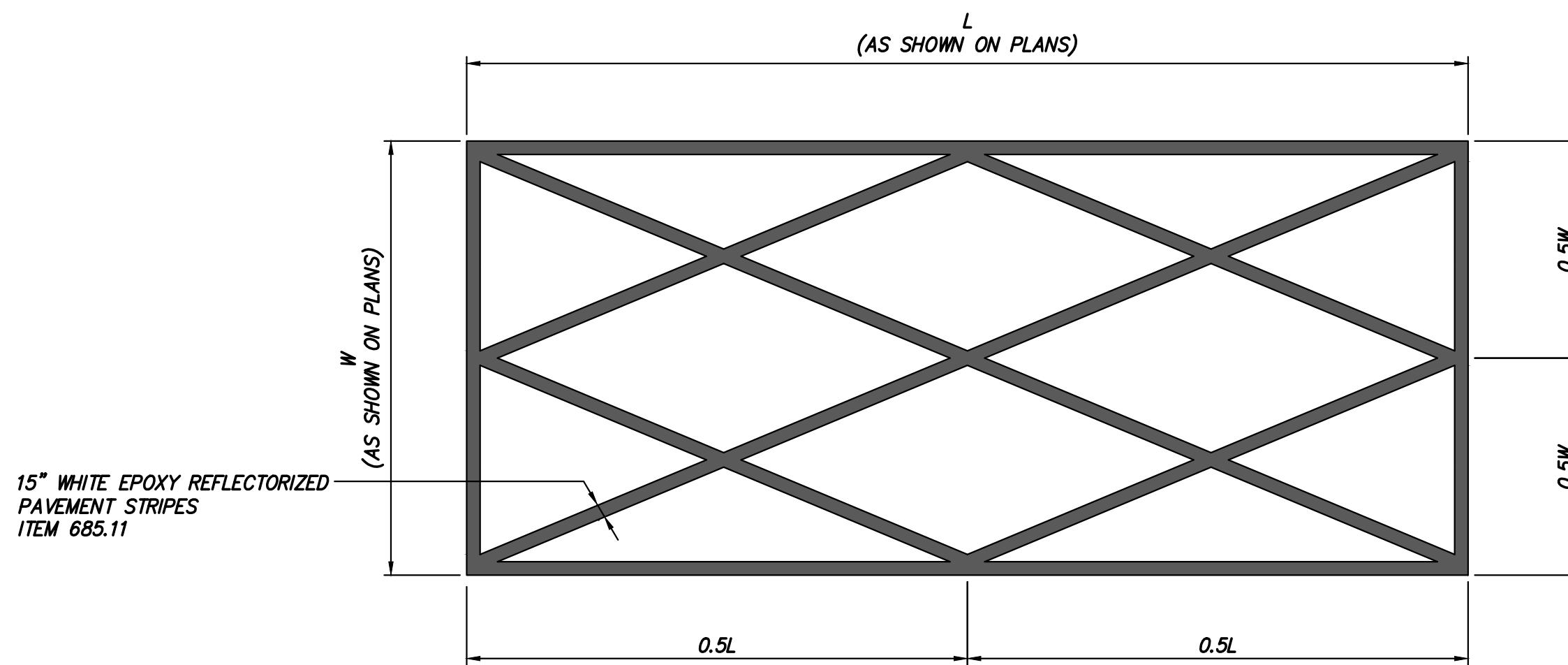
Pavement Marking Plans

PAVEMENT MARKING NOTES:

1. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO NYSDOT STANDARD SHEETS NO. 685-01, UNLESS OTHERWISE NOTED.
2. CONSTRUCTION AND MATERIALS SPECIFICATION: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION DATED SEPTEMBER 1, 2022.
3. THE CONTRACTORS ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF THE WORK ON THIS PROJECT CAN NOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. DESIGN PLANS HAVE BEEN PREPARED BASED ON AVAILABLE INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK, AS APPROPRIATE, ACKNOWLEDGING FIELD CONDITIONS AND AS ORDERED BY NYSDOT.
4. THE CONTRACTOR WILL BE REQUIRED TO TAKE AN INVENTORY OF ALL EXISTING PAVEMENT STRIPING AND MARKINGS PRIOR TO MILLING AND RESURFACING THE ROAD.
5. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE PAVEMENT MARKINGS IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NYS SUPPLEMENT BEFORE OPENING TO TRAFFIC, IN THE AREA WHERE THE OLD PAVEMENT MARKINGS HAVE BEEN ERASED, DUE TO THE CONTRACT WORK OPERATIONS, AREAS NEWLY PAVED, OR AS ORDERED BY THE ENGINEER.
6. THE CONTRACTOR SHALL REMOVE ALL EXISTING AND TEMPORARY PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS.
7. OTHER CONTRACTS IN THE VICINITY OF THIS CONTRACT WORK AREA MAY BE UNDER CONSTRUCTION DURING THE TIME OF THIS PROJECT. THE CONTRACTOR SHALL CONSULT WITH THE VARIOUS PARTIES AND IS TO BECOME FAMILIAR WITH THE SCHEDULING OF SUCH PROJECTS AND SCHEDULE ACTIVITIES ACCORDINGLY TO FACILITATE THE FLOW OF TRAFFIC AND THE LEAST AMOUNT OF CONFLICT BETWEEN PROJECTS.
8. PLEASE REFER TO NYSDOT STANDARD SHEET 685-01 FOR PROPER SYMBOL AND LETTER SPACING.



| STRIPING LEGEND | | |
|---|----------|---|
| DESCRIPTION | ITEM NO. | NYSDOT ITEM DESCRIPTION |
| 6" WHITE EDGE LINE | 685.11 | WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS |
| 4" WHITE SOLID LANE LINE | | |
| 4" WHITE DOTTED LANE LINE (SHORT) | | |
| WHITE STOP LINE | | |
| 15" WHITE HATCH LINE | | |
| 12" LADDER BAR COMBINED TYPE LS CROSSWALK | 685.12 | YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS |
| 4" YELLOW SOLID LINE | | |
| 4" YELLOW BROKEN LINE | | |
| 8" YELLOW CHANNELIZING LINE | 685.13 | WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS |
| WHITE ROADWAY ARROW | | |
| WHITE ROADWAY TEXT | 685.14 | WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS |



1 CROSS HATCHING DETAIL
SCALE: N.T.S.



Kiewit



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| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | JR | BD |

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
GENERAL NOTES**

DRAWN BY: JR DESIGNED BY: AT APPROVED BY: BD

SCALE AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO.

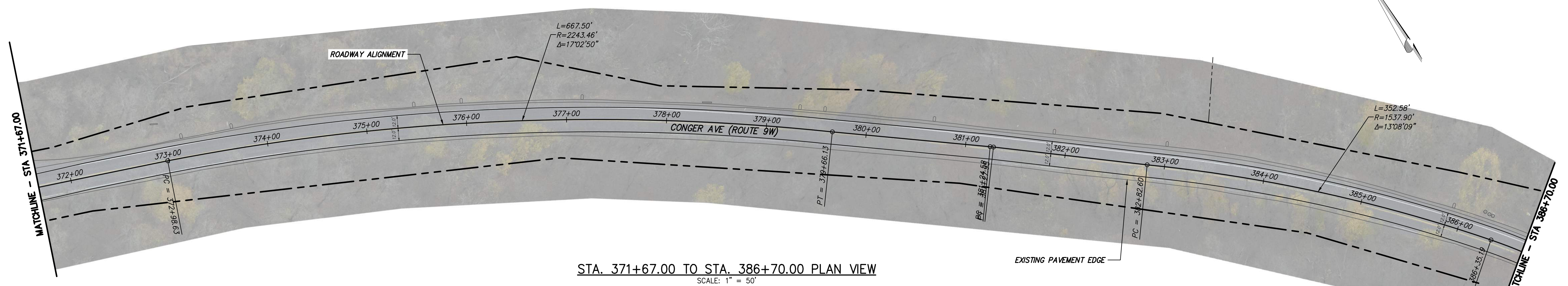
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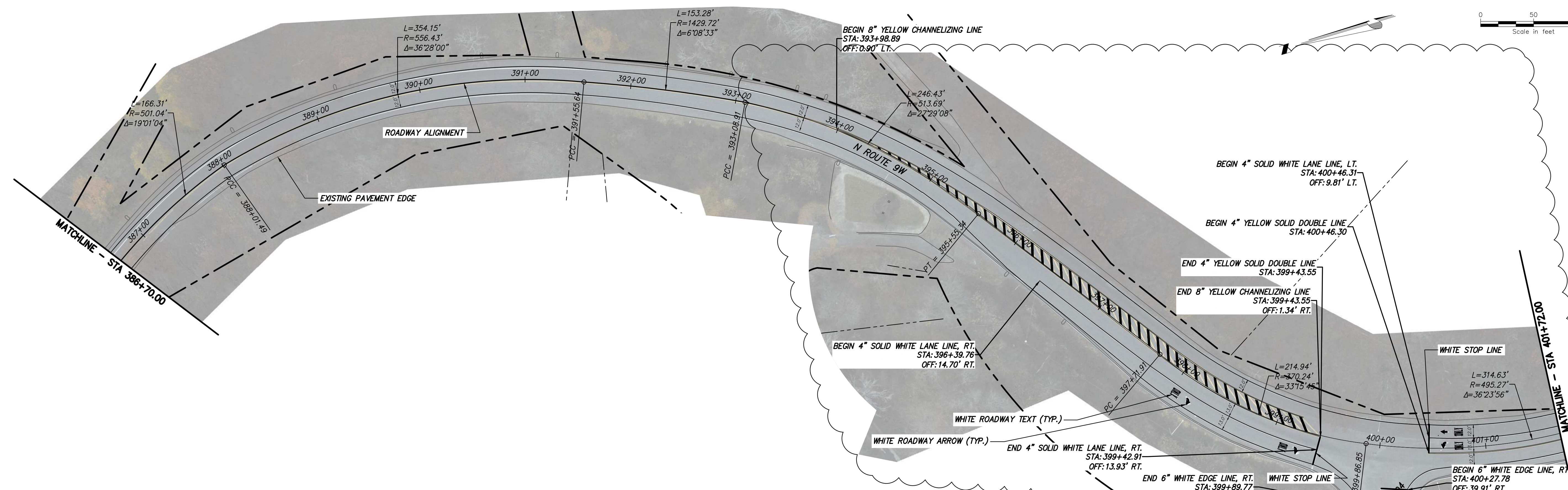
C-551

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STA. 371+67.00 TO STA. 386+70.00 PLAN VIEW
SCALE: 1" = 50'



STA. 386+70.00 TO STA. 401+72.00 PLAN VIEW
SCALE: 1" = 50'



PROJECT NO.: 21162 PROJECT NO.: 120174

ALTERED ON: AFFIXED ON: 12/22/2023

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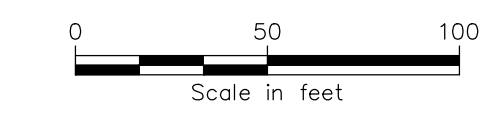
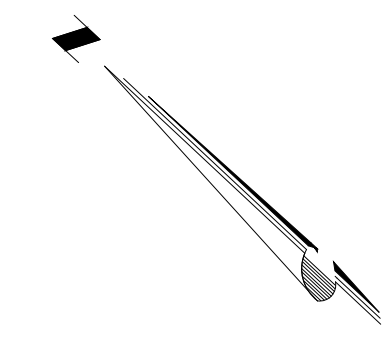
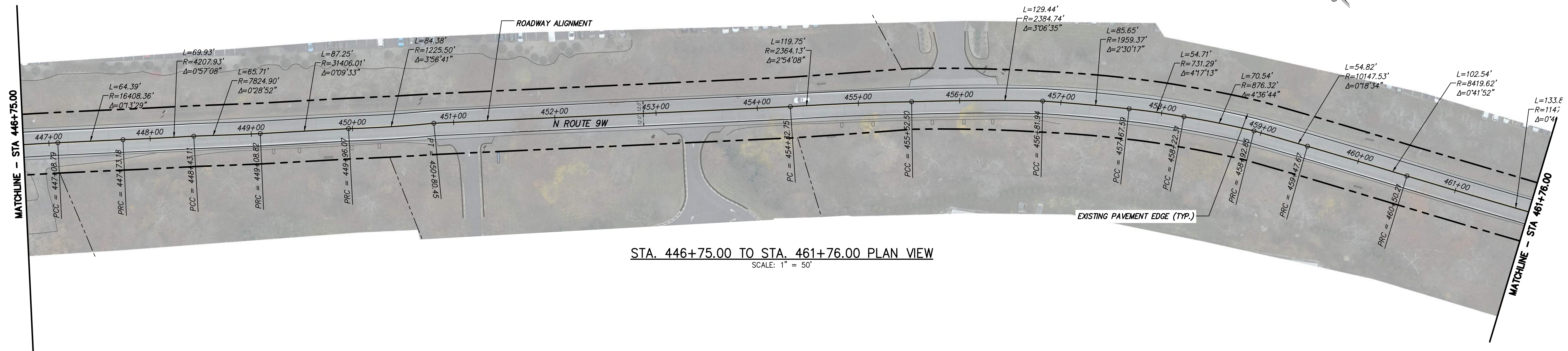
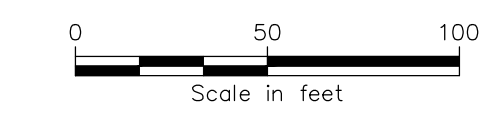
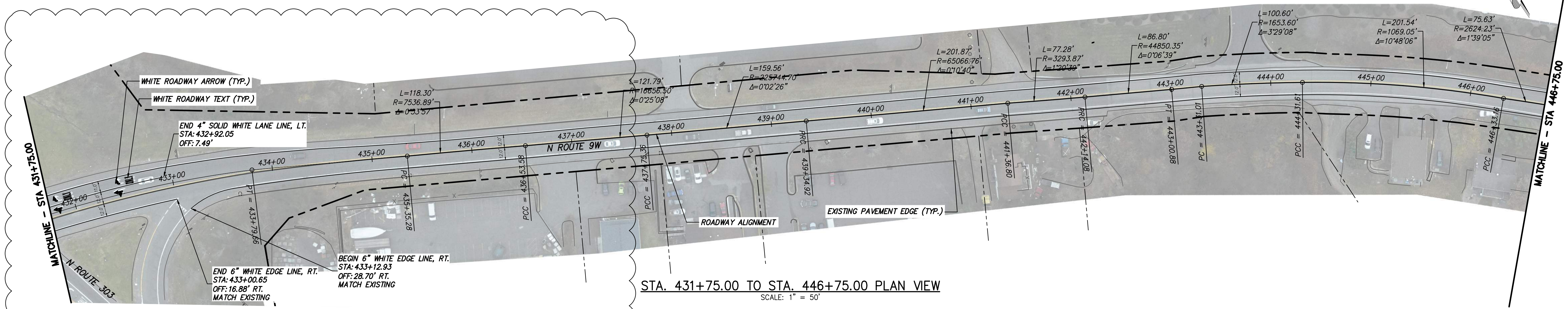
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|--------------------------------------|----|-----|
| 1 | 12/22/2023 | NDC-0030: NYSDOT R8 DIRECTED CHANGES | JR | BD |
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
 PAVEMENT MARKING PLANS SHEET 10 OF 13
 STA. 371+67.00 TO STA. 401+72.00

DRAWN BY: JR DESIGNED BY: AT APPROVED BY: BD
 SCALE AS SHOWN
 DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**

DRAWING NO. **C-561**



PROJECT NO.: 21162
PROJECT NO.: 120174
ALTERED ON:
AFFIXED ON: 12/22/2023

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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
PAVEMENT MARKING PLAN SHEET 12 OF 13
STA. 431+75.00 TO STA. 461+76.00

DRAWN BY: JR
DESIGNED BY: AT
APPROVED BY: BD

SCALE AS SHOWN
DATE: 07/20/2023

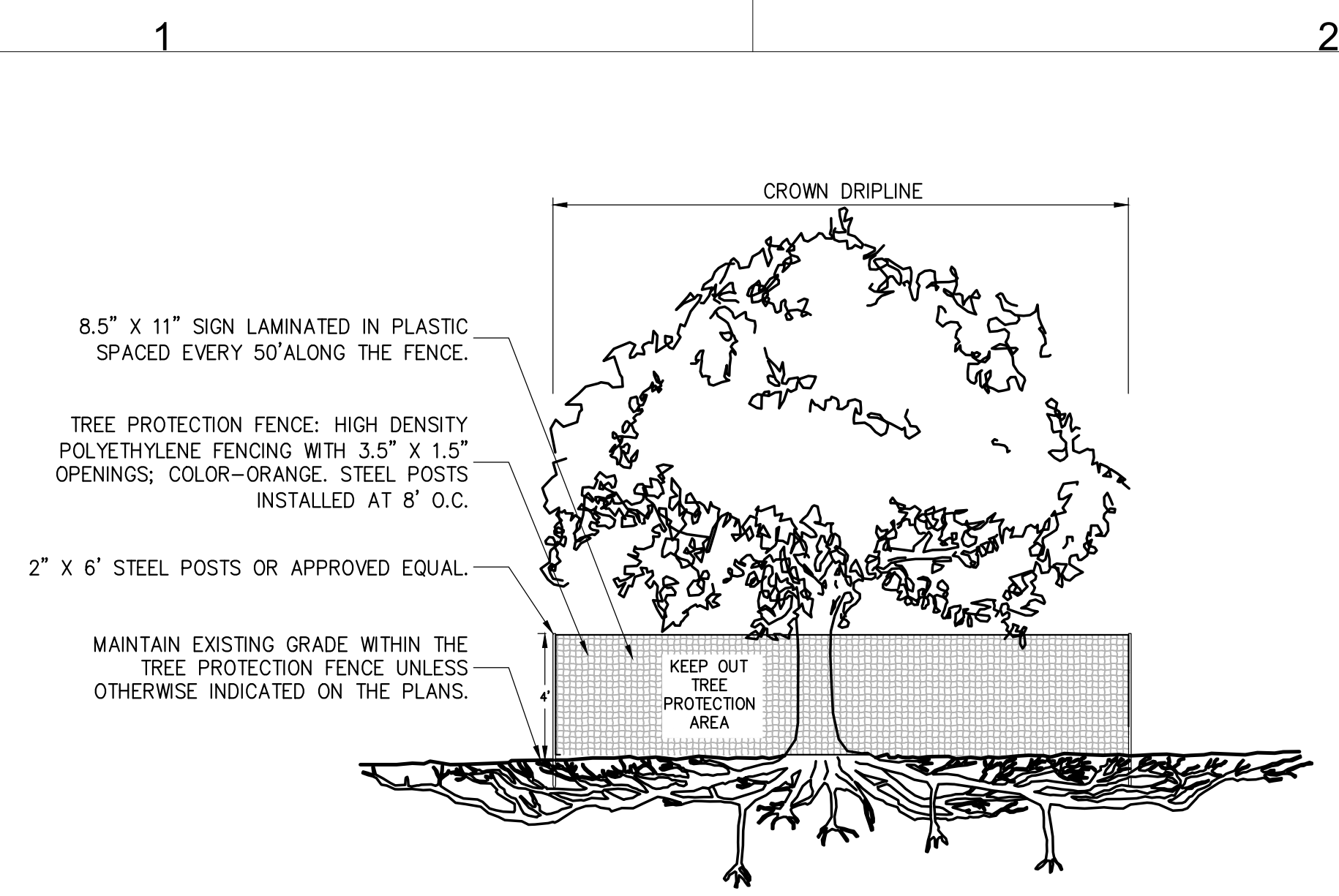
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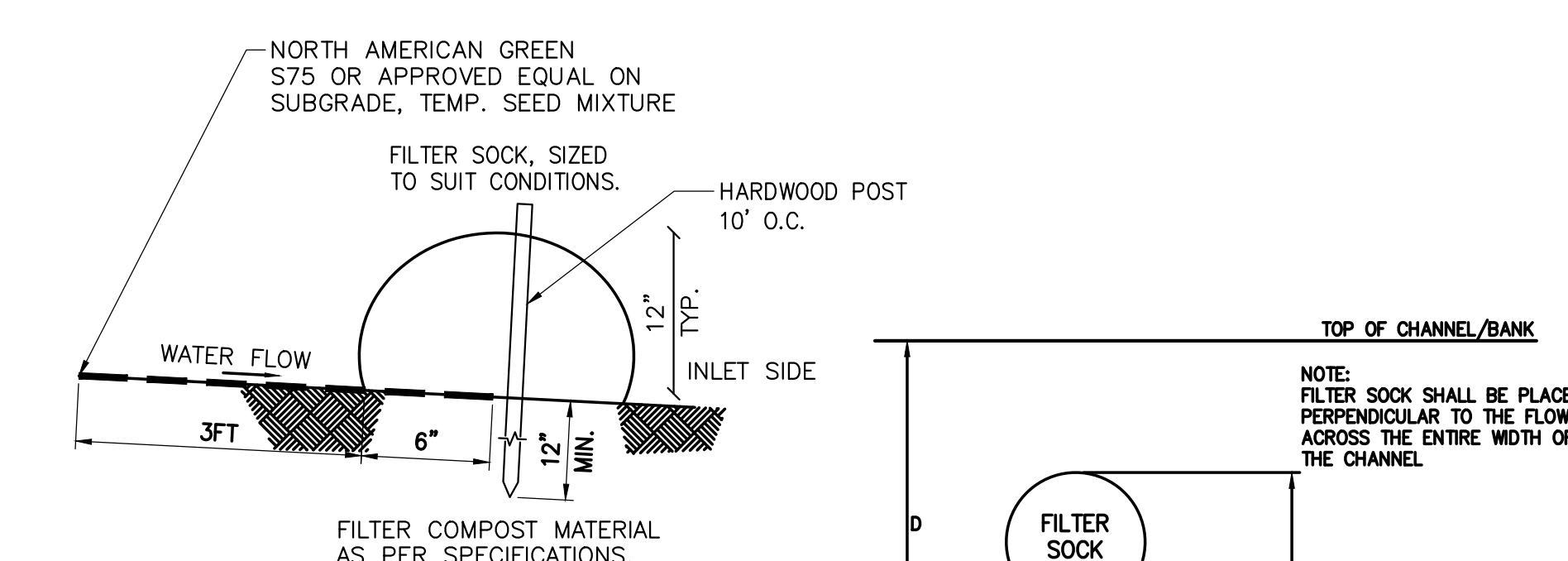
CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Erosion And Sediment Control Details



- NOTES:
1. CONTRACTOR TO MAINTAIN INTEGRITY OF CONSTRUCTION FENCE FOR DURATION OF PROJECT.
 2. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
 3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
 4. SEE EROSION CONTROL PLANS FOR LOCATIONS OF TREE PROTECTION AREAS.

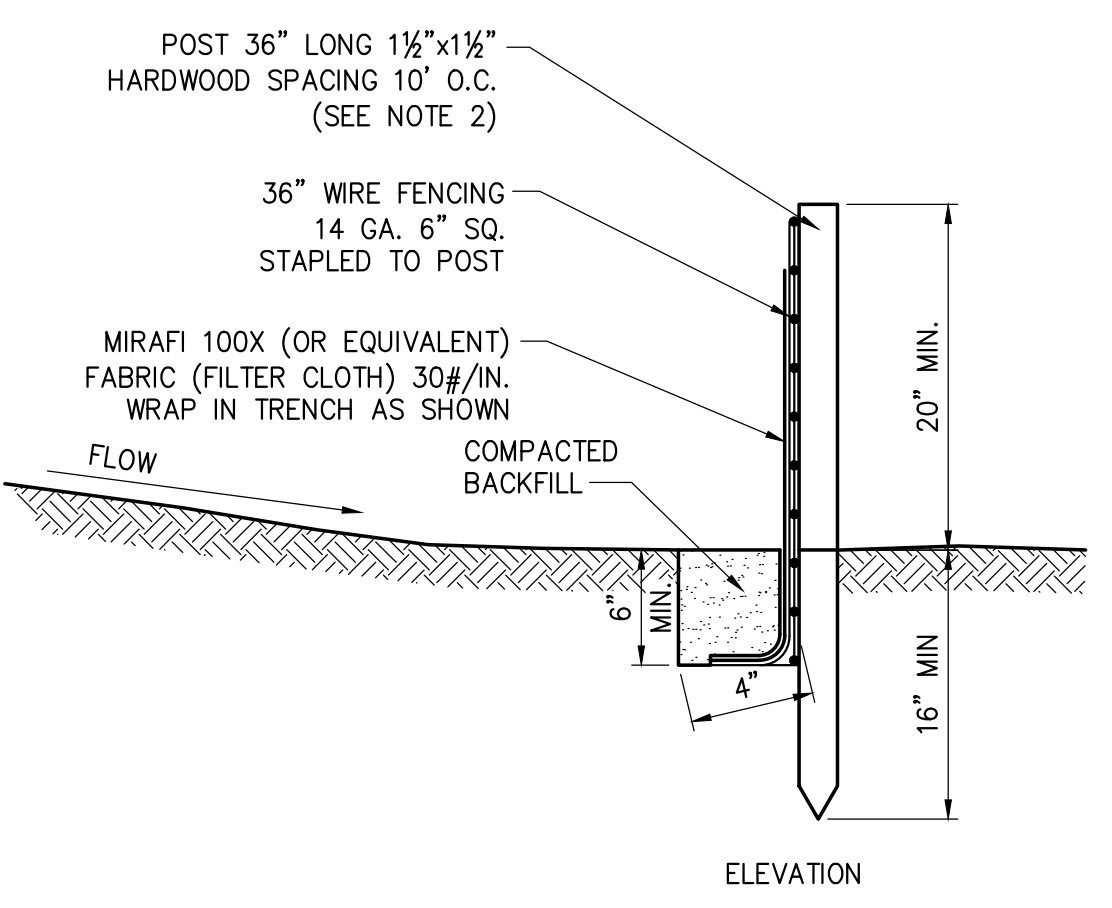
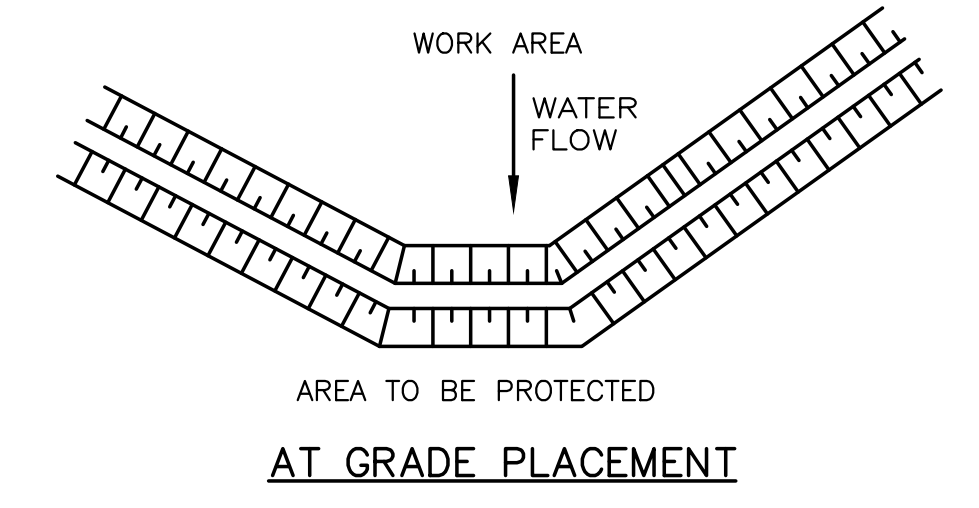
1 TREE PROTECTION
NOT TO SCALE



- NOTES:
1. ALL MATERIAL TO MEET MANUFACTURER SPECIFICATIONS.
 2. ALL FILTER SOCKS SHALL BE 12\"/>

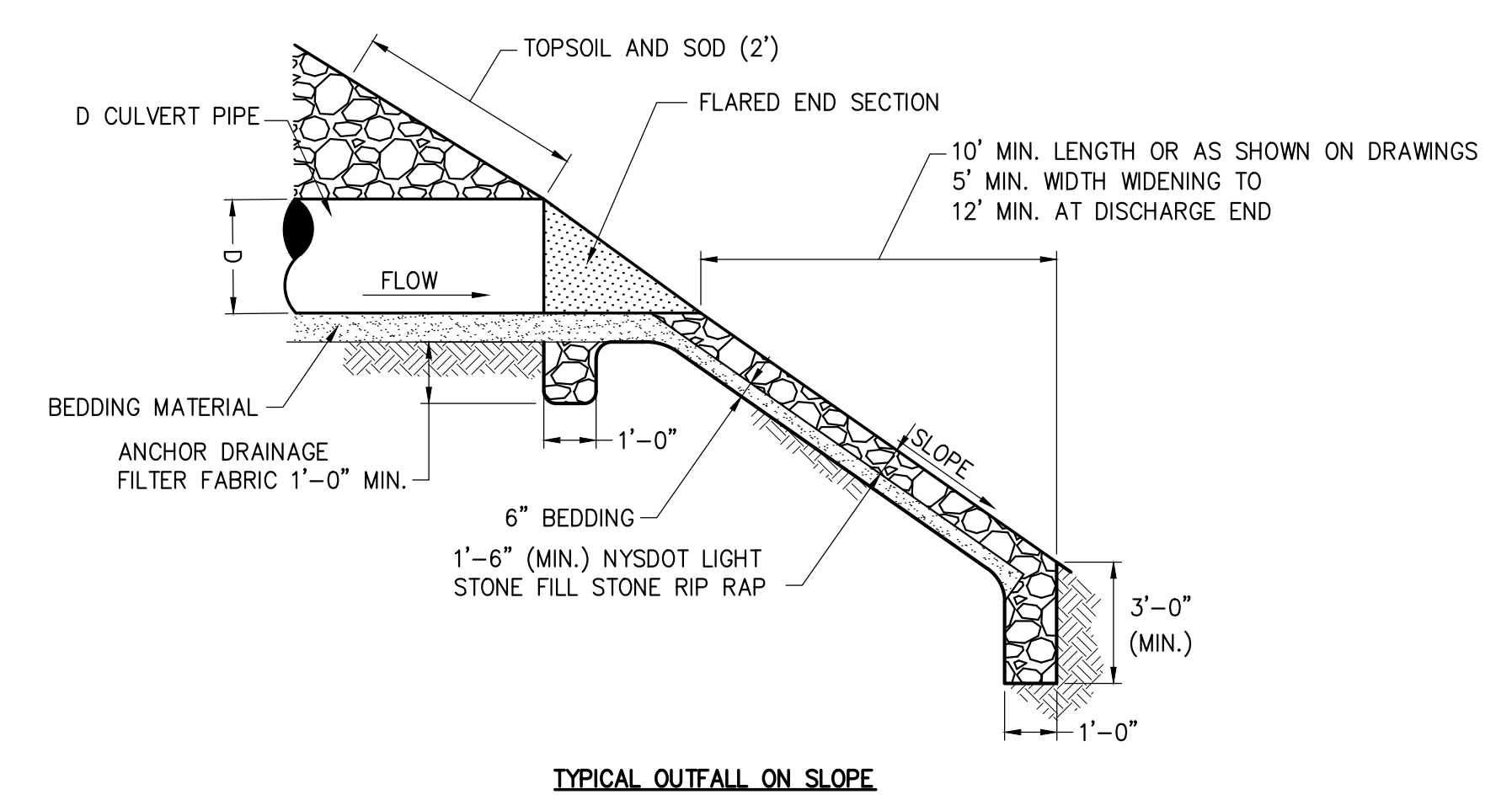
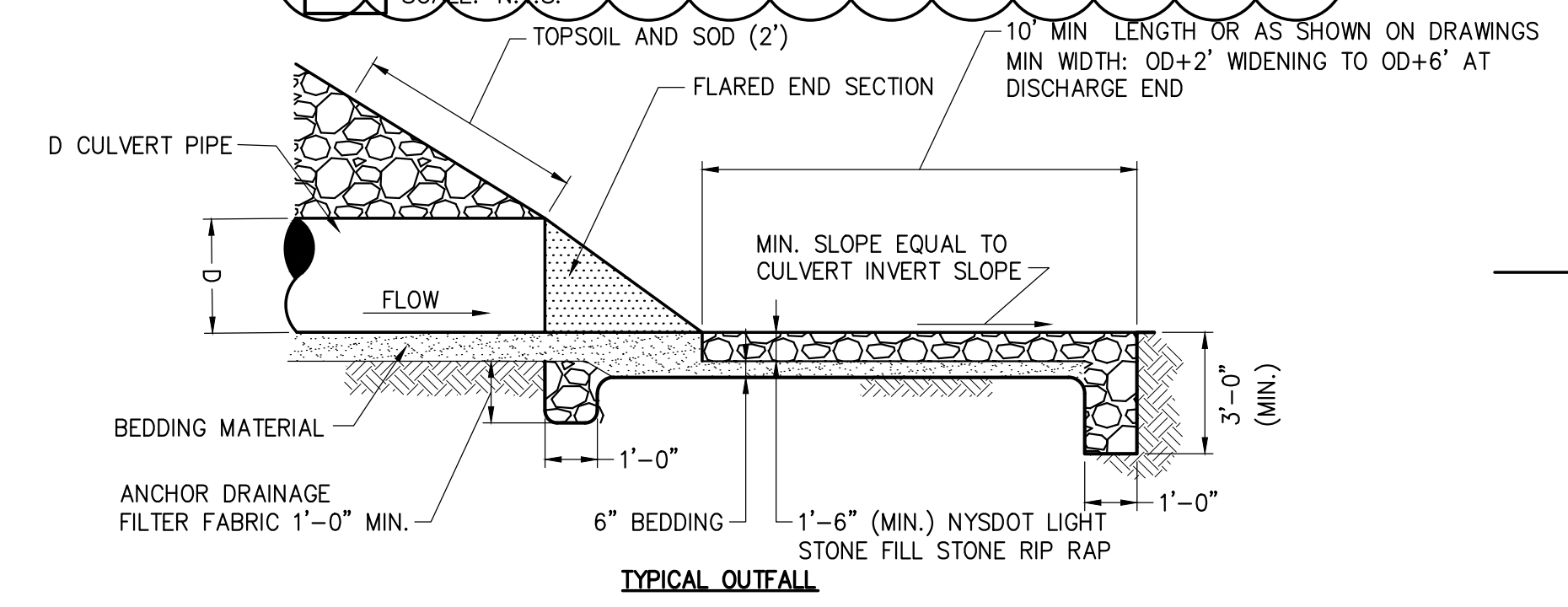
2 COMPOST FILTER SOCK DETAIL (ITEM 209.2301)
SCALE: N.T.S.

- MAINTENANCE NOTES:
1. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 2. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE AND DISPOSED OF IN ACCORDANCE WITH THE SWPPP.
 3. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED IN THE MANNER REQUIRED BY THE MANUFACTURER OR REPLACED WITHIN 24 HOURS OF INSPECTION NOTIFICATION.
 4. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTO-DEGRADABLE FILTER SOCKS AFTER 1 YEAR. POLY-PROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
 5. UPON STABILIZATION OF THE AREA CONTRIBUTORY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK SHALL BE REMOVED. FOR REMOVAL THE MESH CAN BE CUT AND COMPOST SPREAD AS AN ADDITIONAL MULCH TO ACT AS A SOIL SUPPLEMENT.

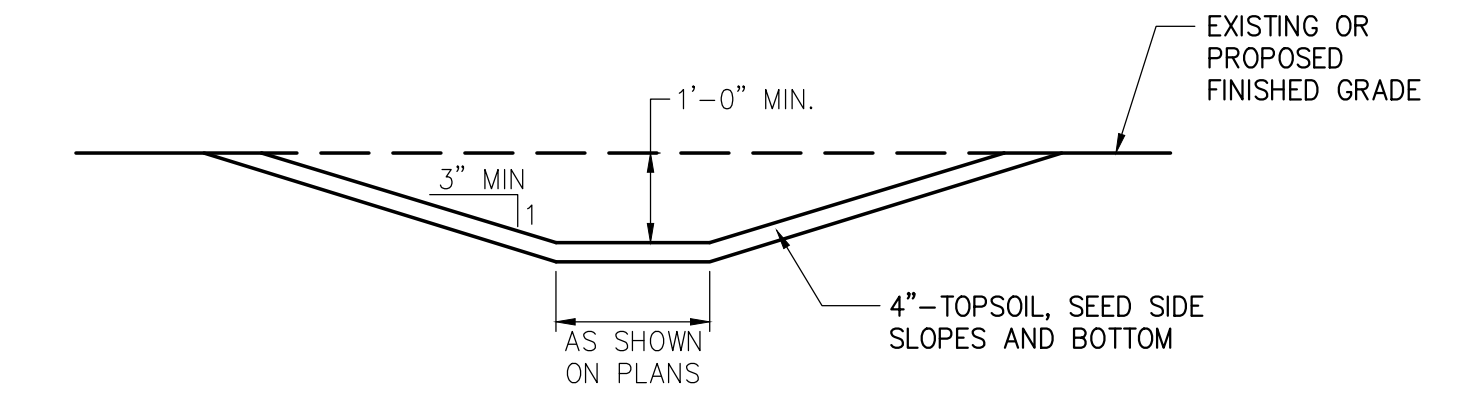


- NOTES:
1. TIE FABRIC TO WIRE FENCE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 2. IF EXTRA STRENGTH FABRIC (GREATER THAN 50#/INCH) IS USED, WIRE CAN BE DELETED IF POST SPACING IS REDUCED TO 6' O.C.
 3. AT THE ENDS OF THE FENCING THE FIRST 20' SHALL BE TURNED UP THE SLOPE 2'.
 4. POSTS SHOULD BE INCLINED TOWARD THE DIRECTION FLOW CAME FROM.
 5. OVERLAP FABRIC A MINIMUM OF 6\"/>

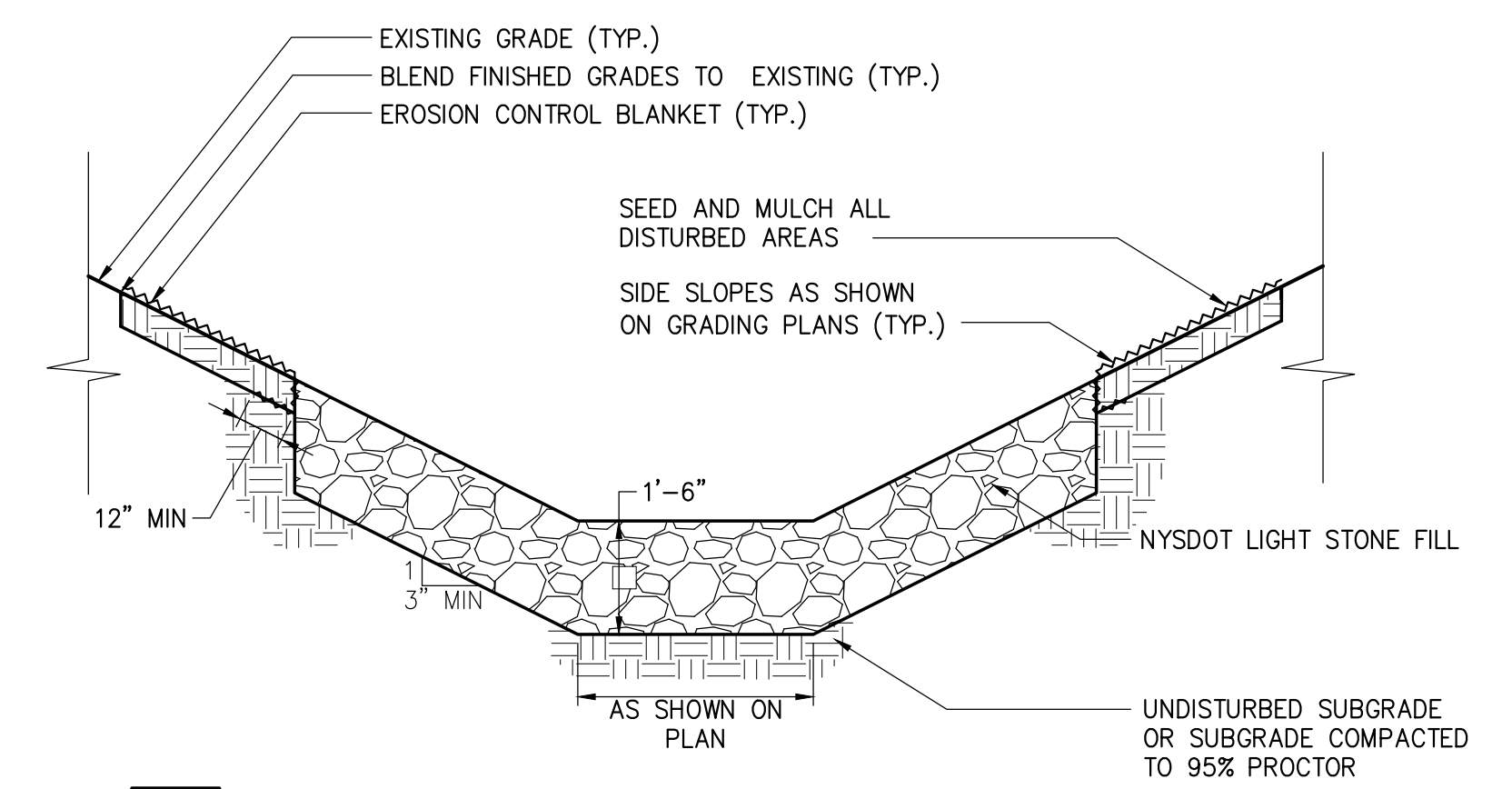
3 SILT FENCE
SCALE: N.T.S.



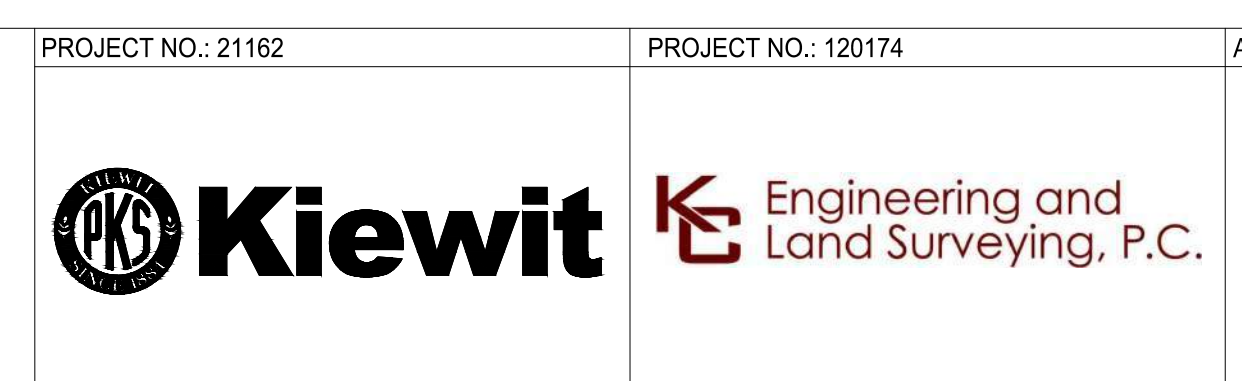
4 TYPICAL CULVERT OUTFALL RIP RAP
SCALE: N.T.S.



5 TYPICAL GRASS DRAINAGE SWALE
SCALE: N.T.S.



6 LIGHT STONE-LINED DRAINAGE CHANNEL
SCALE: N.T.S.



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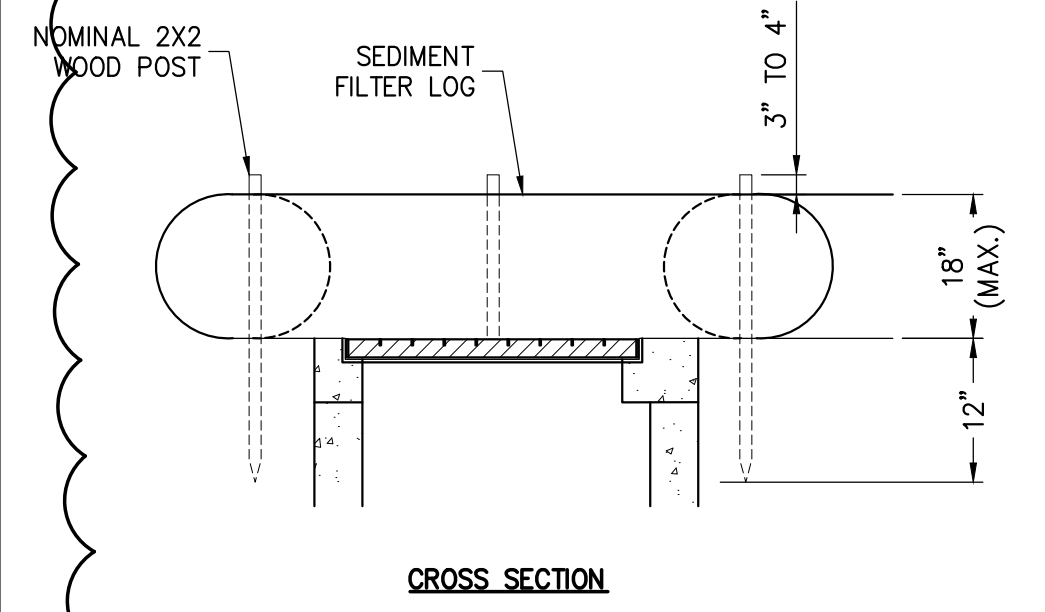
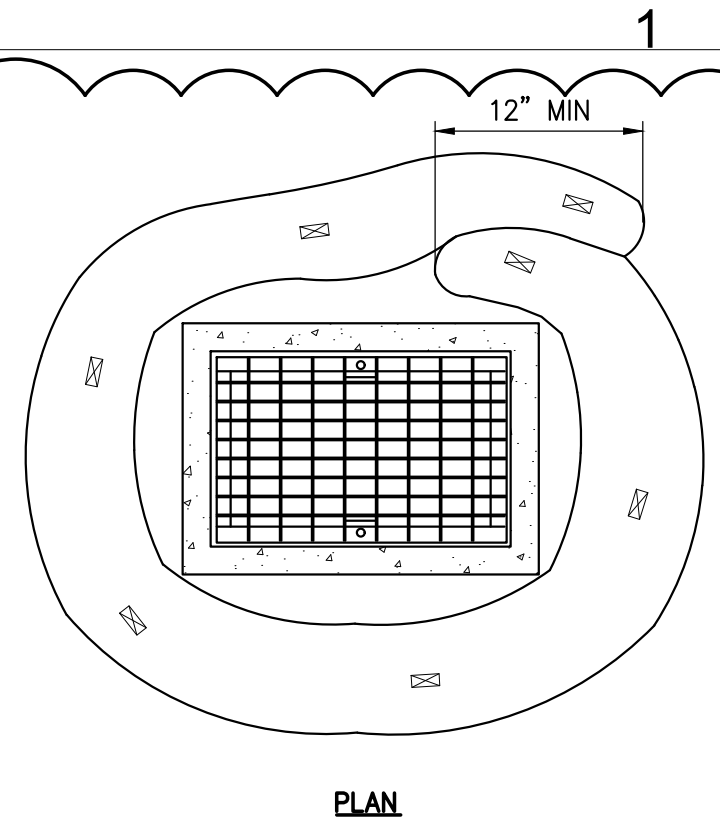
**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
EROSION AND SEDIMENT CONTROL DETAILS**

DRAWN BY: BL DESIGNED BY: BL APPROVED BY: BD
SCALE: AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO.
N/A
DRAWING NO.
C-601

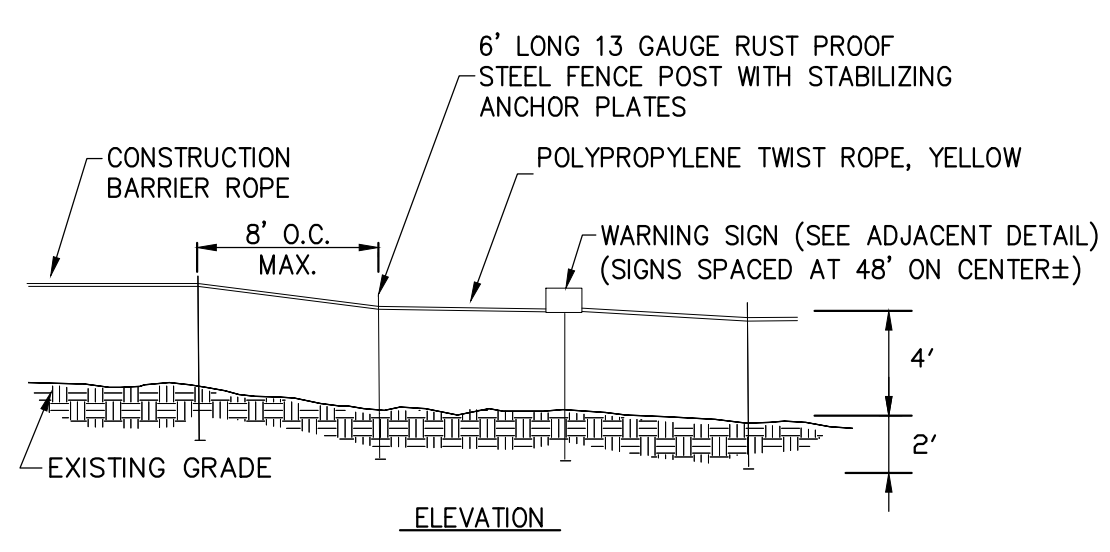
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 Scale: 1/8" = 1'-0"



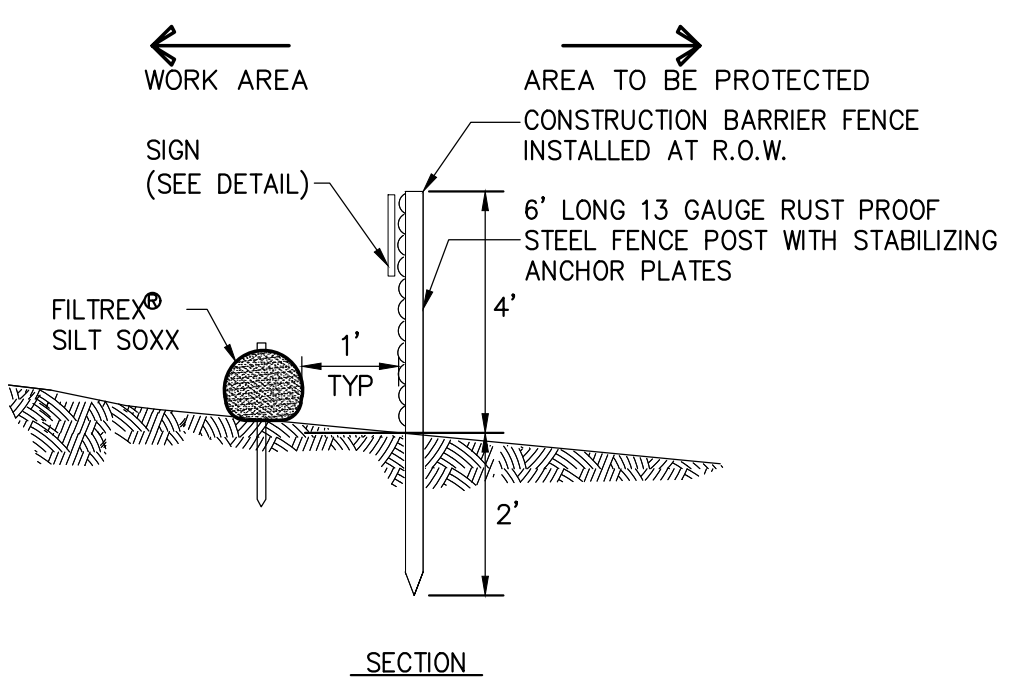
1 INLET PROTECTION (ITEM 209.1701)
SCALE: N.T.S.

- NOTES:**
1. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY TRAPPING WATER, THEREBY ALLOWING SEDIMENT TO FALL OUT OF SUSPENSION.
 2. GRAVEL BAGS ARE FILLED WITH CLEAN STONE, RATHER THAN SAND, TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM IF BAGS ARE DAMAGED DURING USE.
 3. THE TOP OF THE INLET PROTECTION SHALL BE SET TO ALLOW OVERFLOW INTO THE INLET AND NOT BYPASS TO UNPROTECTED RESOURCES.
 4. DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY (SILT FENCE) SHALL BE NOT BE USED ALONG THE ACTIVE TRAVEL LANE OR SHOULDER.
 5. DRAINAGE STRUCTURE INLET PROTECTION SHALL NOT BE USED WITHOUT UPSLOPE EROSION CONTROL.
 6. MAXIMUM DRAINAGE AREA TO THE PRACTICE SHALL NOT EXCEED ONE ACRE.
 7. APPROVED SILT FENCE GEOTEXTILES 737-01, ARE LISTED ON THE DEPARTMENT'S APPROVED LIST. SILT FENCE GEOTEXTILE SHALL BE A SINGLE CONTINUOUS PIECE TO ELIMINATE JOINTS. OVERLAP GEOTEXTILE ENDS TO THE NEXT POST.
 8. SPACE POSTS EVENLY AROUND INLET WITH A MAXIMUM SPACING OF 3'. WIRE MESH MAY BE REQUIRED BEHIND GEOTEXTILE TO PROVIDE SUPPORT. POSTS SHALL BE DRIVEN CLOSE TO THE INLET TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE. DRIVE POSTS A MINIMUM OF 18" INTO GROUND (SILT FENCE) OR A MINIMUM OF 12" (SEDIMENT FILTER LOG).
 9. SILT FENCE GEOTEXTILE SHALL BE EMBEDDED 12" AND BACKFILLED. GEOTEXTILE SHALL BE SECURELY FASTENED TO POSTS AND FRAME.
 10. GRAVEL BAGS SHALL BE INDIVIDUALLY TIED, DOUBLE BAGGED AND INVERSELY INSERTED. GRAVEL BAGS SHALL LAP THE JOINTS BETWEEN THE BAGS IN THE LAYER BELOW. GRAVEL BAGS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE GRATE TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE.
 11. SEDIMENT FILTER LOGS SHALL BE SECURED TO THE SOIL SURFACE WITH WOODEN POSTS SPACED A MAXIMUM OF 2' APART. WHEN USED ON A PAVED SURFACE, THE LOG ENDS SHALL BE FASTENED WITH PLASTIC TIES OR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 12. MEASURES SHALL BE INSPECTED AFTER EVERY RUNOFF EVENT AND REPAIRED AS NECESSARY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE MEASURE HEIGHT (STORAGE CAPACITY). SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIALS.

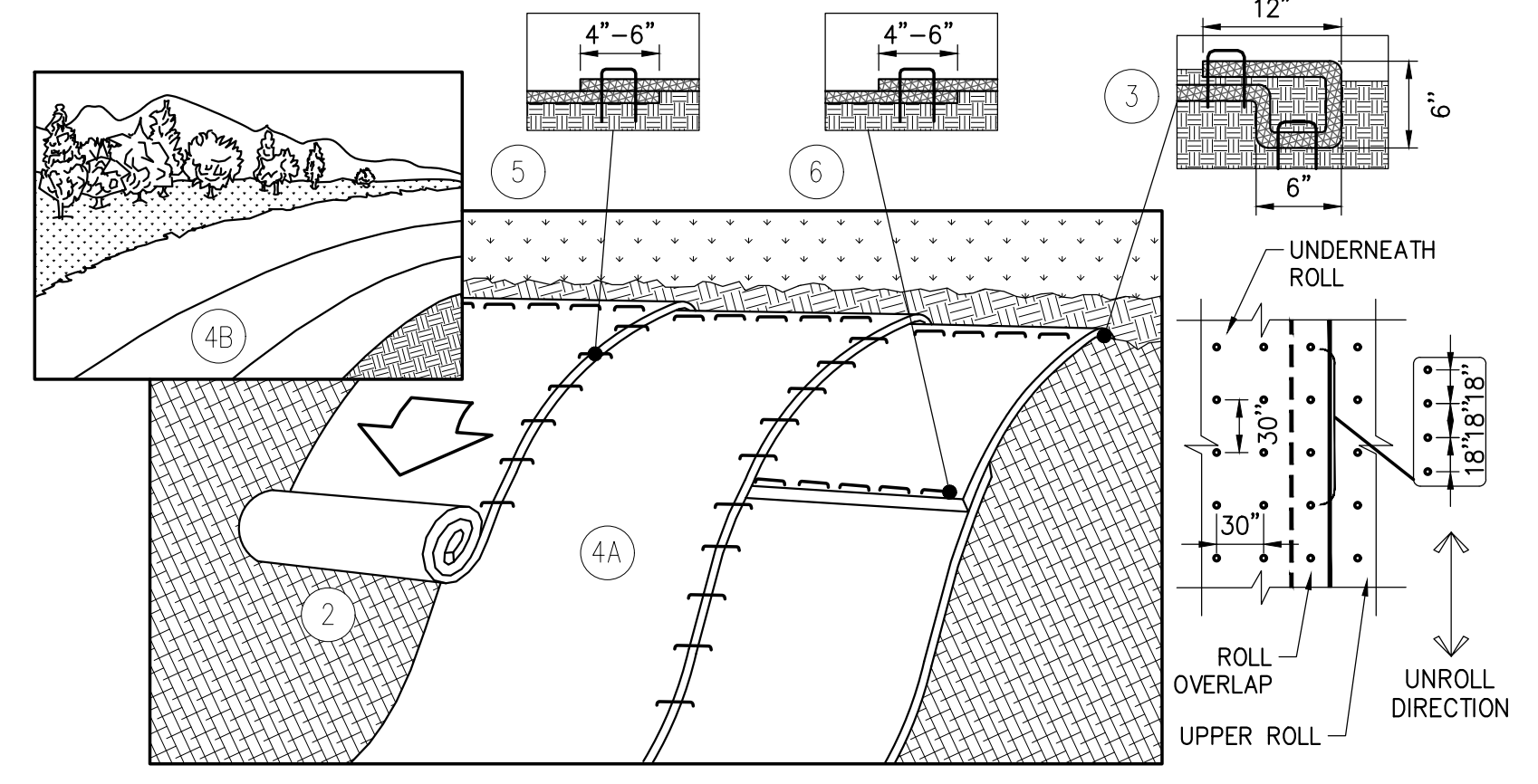


1. CONSTRUCTION BARRIER FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS PRIOR TO BEGINNING ANY WORK ADJACENT TO THESE AREAS.
2. THE CONTRACTOR SHALL INSTALL AT THE BEGINNING OF THE CONTRACT, AND MAINTAIN THROUGHOUT ITS DURATION.
3. SET BOTTOM OF CONSTRUCTION BARRIER FENCE FLUSH WITH EXISTING GRADE.
4. CONSTRUCTION BARRIER FENCE SHALL HAVE A MINIMUM TENSILE STRENGTH OF 2000 PSI.

2 WETLAND PROTECTION FENCE
SCALE: N.T.S.

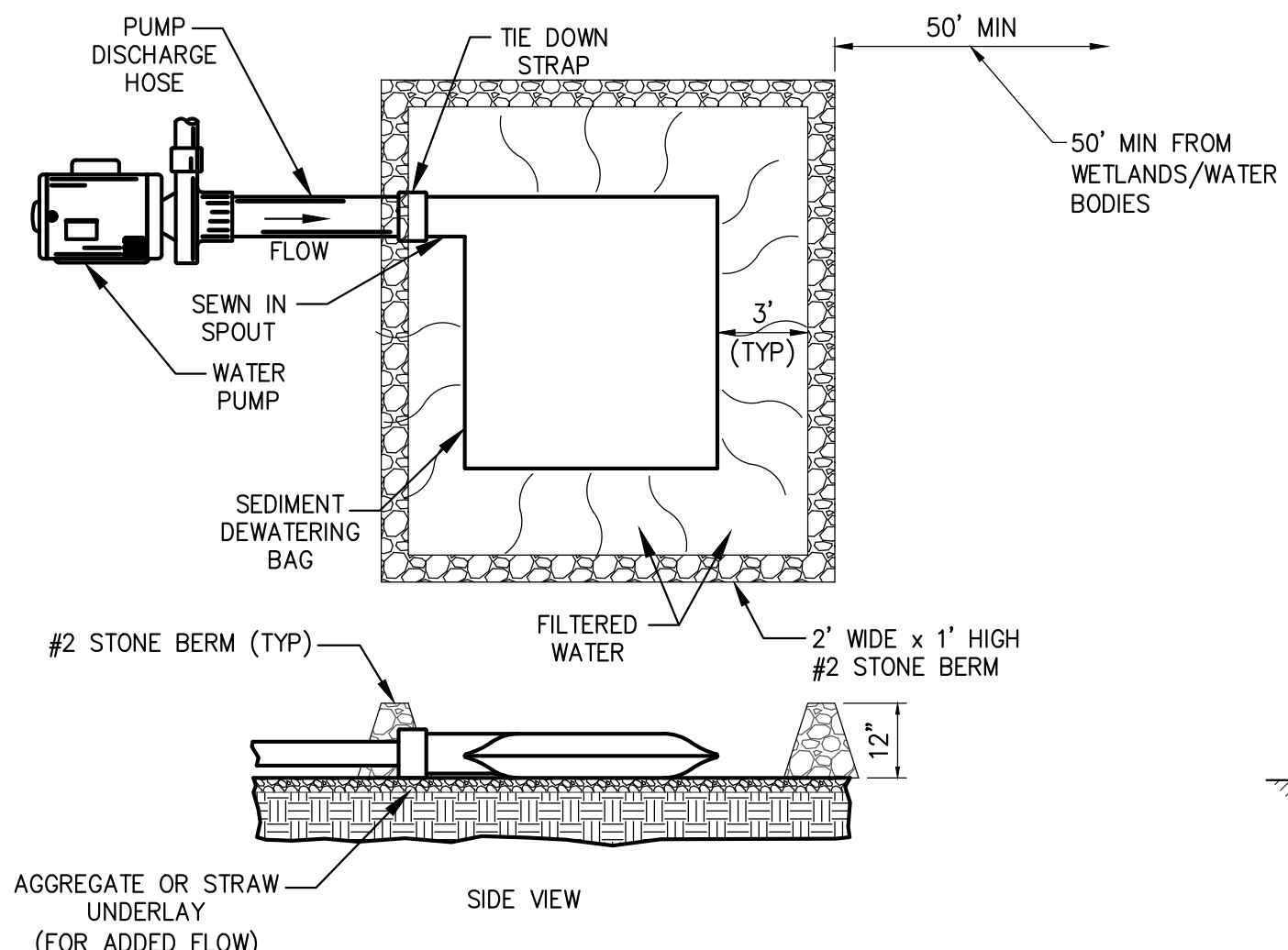


2 WETLAND PROTECTION FENCE
SCALE: N.T.S.



- NOTE:**
1. EROSION CONTROL BLANKETS TO BE INSTALLED ON SLOPES 3:1 OR GREATER (TYP.).
 2. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: DO NOT SEED PREPARED AREA. INSTALL WITH PAPER SIDE DOWN. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 3. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP x 6" WIDETRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 4. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 5. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 6. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPING AREA APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
 7. TO PROPERLY SECURE THE BLANKETS IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES OR STAKES GREATER THAN 6" MAY BE NECESSARY.

3 EROSION CONTROL BANK STABILIZATION DETAIL (ITEM 209.1802)
SCALE: N.T.S.

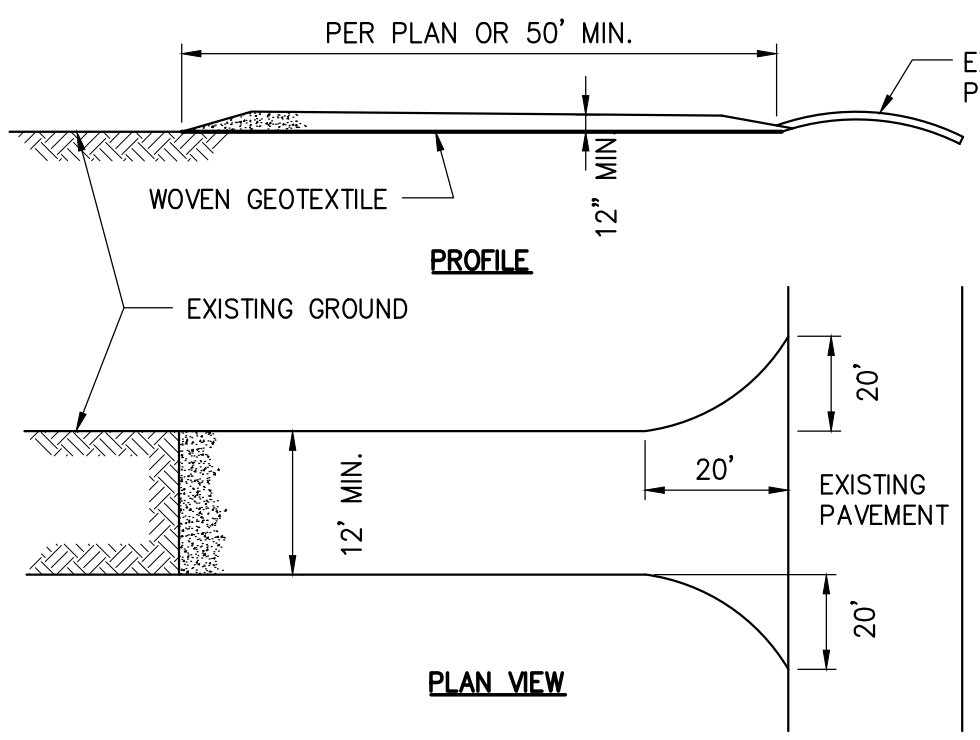


NOTE: THE SEDIMENT DEWATERING BAG WILL BE MANUFACTURED IN THE U.S.A. FROM A NONWOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

SEDIMENT DEWATERING BAG SPECIFICATIONS

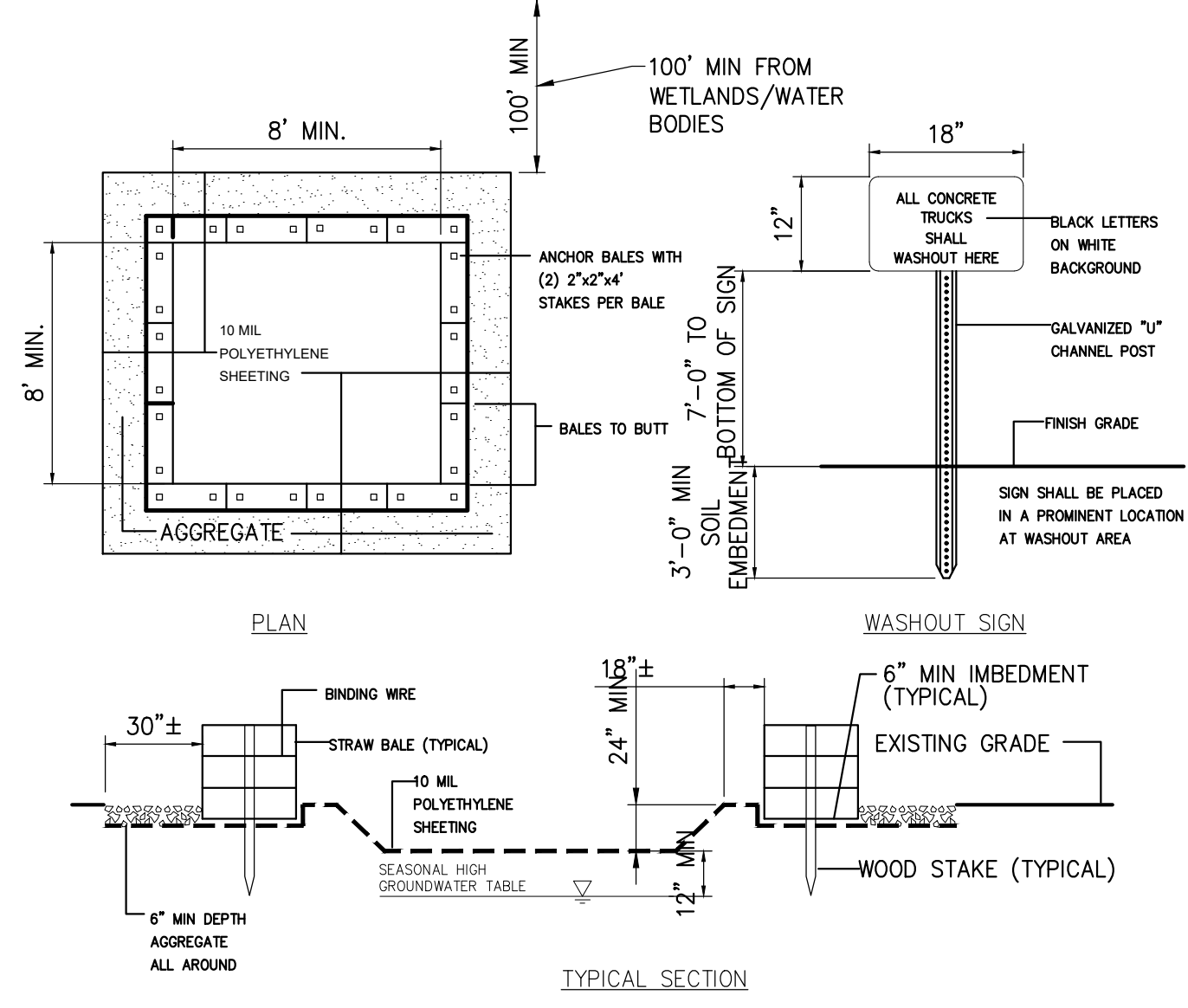
| Mechanical Properties | Test Method | Units | MARV |
|-------------------------|-------------|---|-----------------------|
| Grab Tensile Strength | ASTM D 4632 | kN (lbs) | 0.9 (205) x 0.9 (205) |
| Grab Tensile Elongation | ASTM D 4632 | % | 50 x 50 |
| Puncture Strength | ASTM D 4833 | kN (lbs) | 0.58 (130) |
| Mullen Burst Strength | ASTM D 3786 | kPa (psi) | 2618 (380) |
| Trapezoid Tear Strength | ASTM D 4533 | kN (lbs) | 0.36 (80) X 0.36 (80) |
| UV Resistance | ASTM D 4355 | % | 70 |
| Apparent Opening Size | ASTM D 4751 | Mm (US Std Sieve) | 0.180 (80) |
| Flow Rate | ASTM D 4491 | 1/min/m ² (gal/min/ft ²) | 3866 (95) |
| Permittivity | ASTM D 4491 | Sec ⁻¹ | 1.2 |

4 SEDIMENT DEWATERING BAG
SCALE: N.T.S.



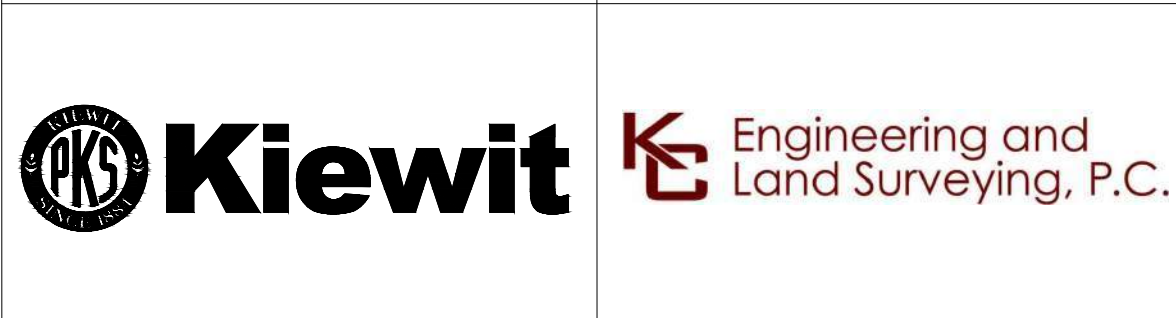
5 STABILIZED CONSTRUCTION ACCESS
SCALE: N.T.S.

1. STONE SIZE-USE AASHTO M43 SIZE 3 COARSE AGGREGATE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 12".
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ACCESS TO SITE.
5. WOVEN GEOTEXTILE FABRIC WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. EXISTING ROAD SIDE DRAINAGE SHALL BE MAINTAINED.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
8. MAINTENANCE-THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT OR STONE SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
9. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
10. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



6 CONCRETE WASHOUT AREA
SCALE: N.T.S.

- MAINTENANCE NOTES:**
1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHALL BE PUMPED TO A STABILIZED AREA SUCH AS A GRASS FILTER STRIP.
 2. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
 3. DISPOSAL OF THE HARDENED MATERIAL SHALL BE OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL.
 4. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
 5. INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.
 6. LOCATION(S) TO BE DETERMINED IN THE FIELD BY THE OWNER'S REPRESENTATIVE
 7. CONCRETE WASHOUTS SHALL NOT BE LOCATED WITHIN 200' OF ANY KNOWN WELL.



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| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|--------------------------------------|----|-----|
| 1 | 12/22/2023 | NDC-0030: NYSDOT R8 DIRECTED CHANGES | BL | BD |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | BL | BD |

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
EROSION AND SEDIMENT CONTROL DETAILS**

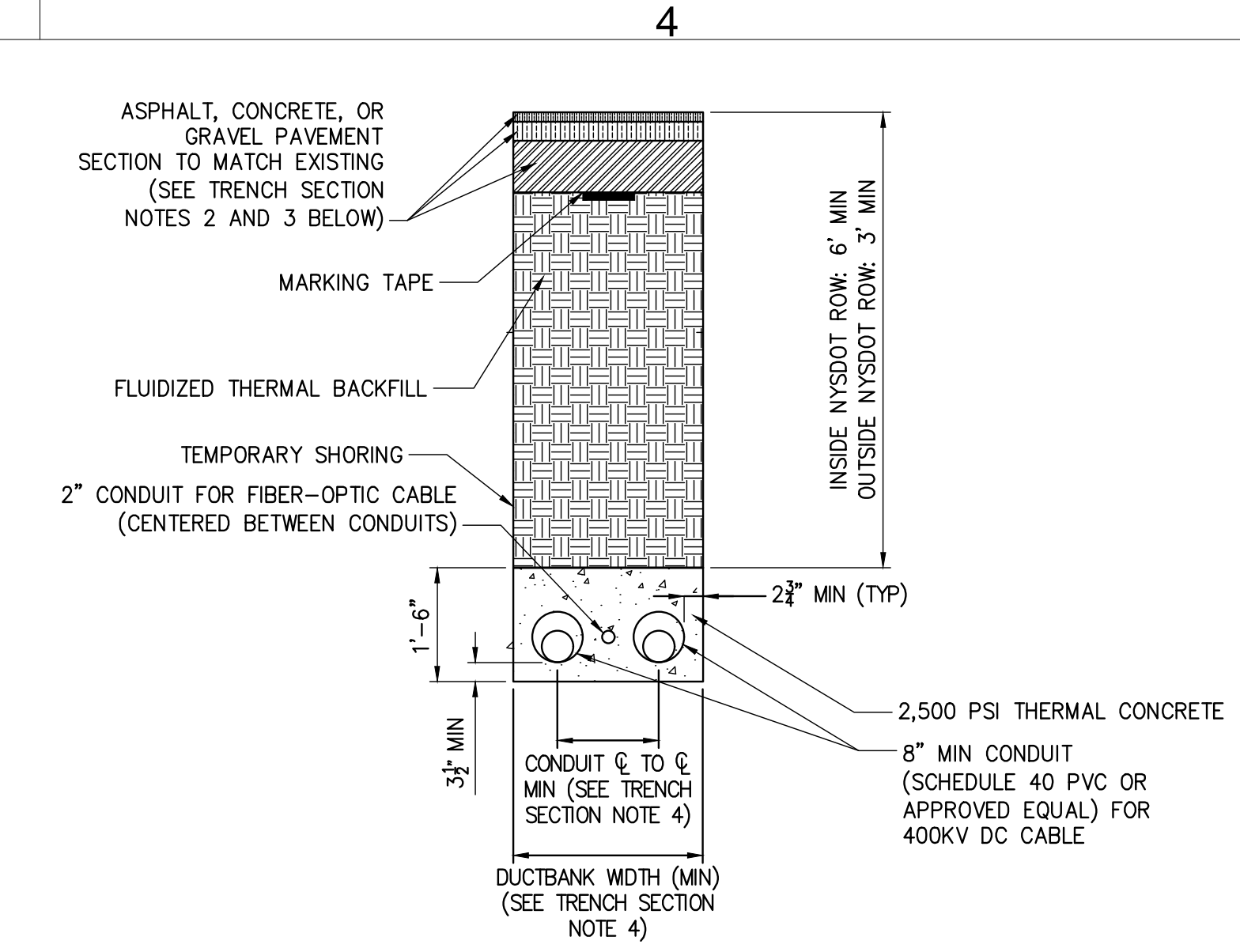
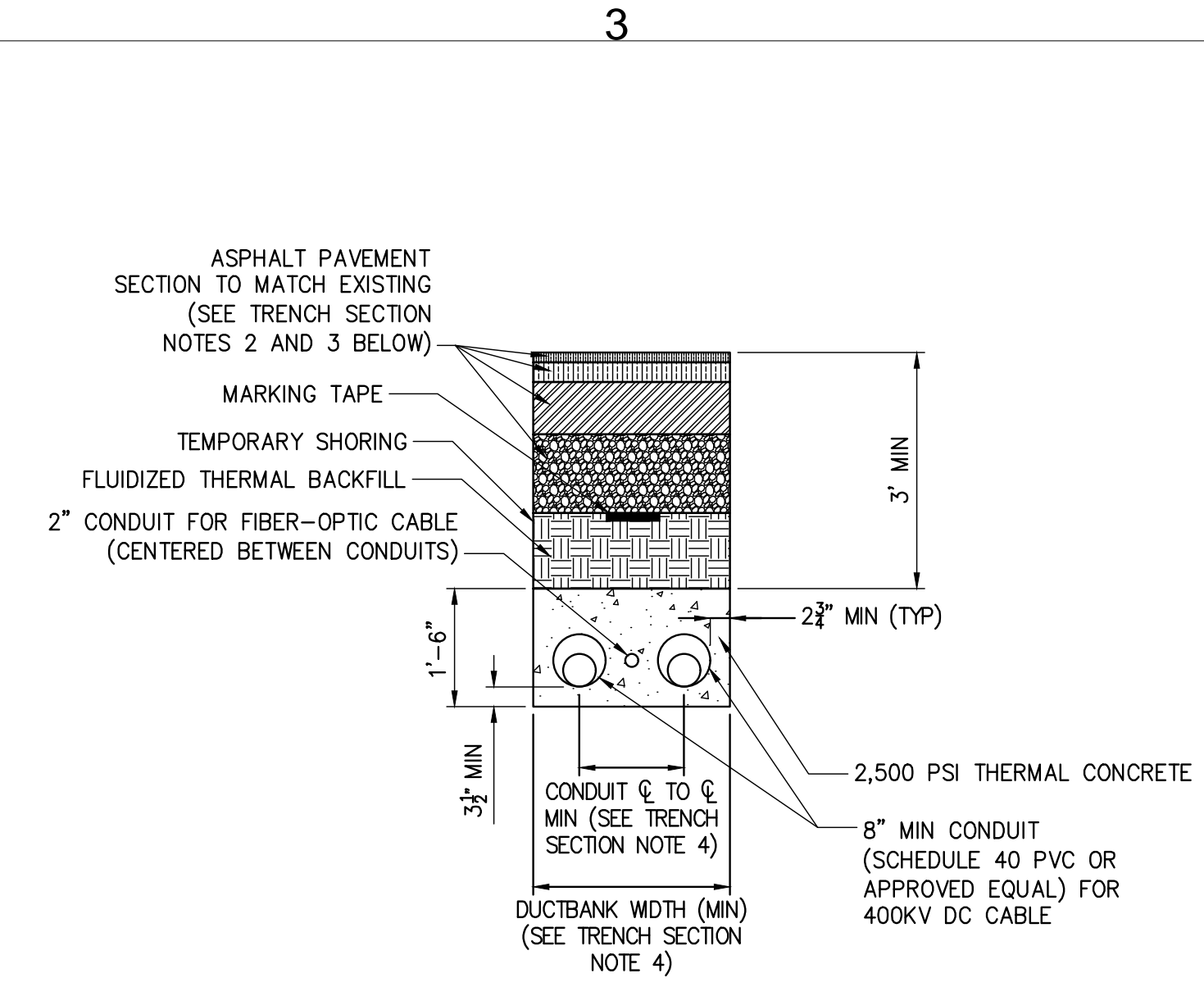
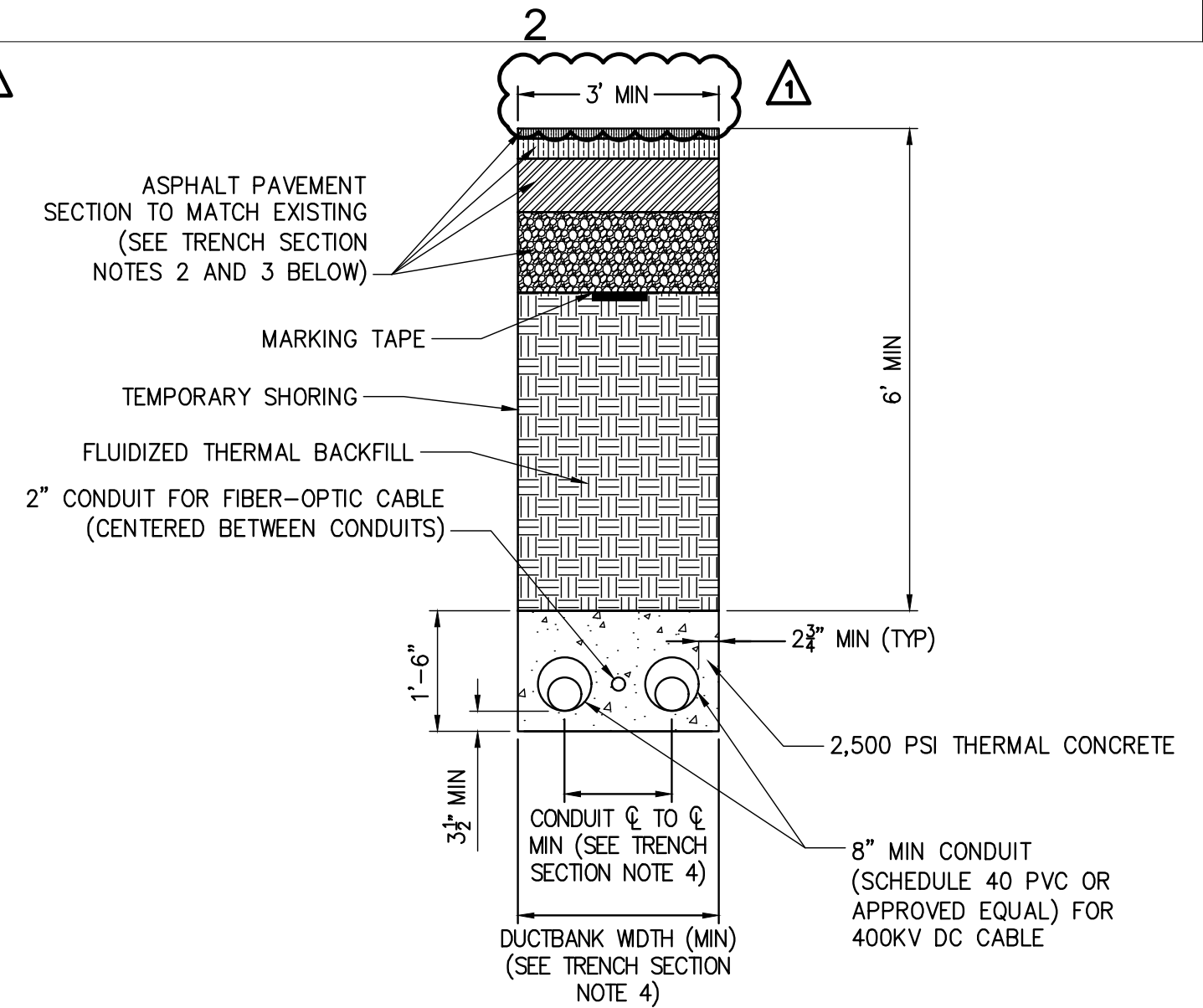
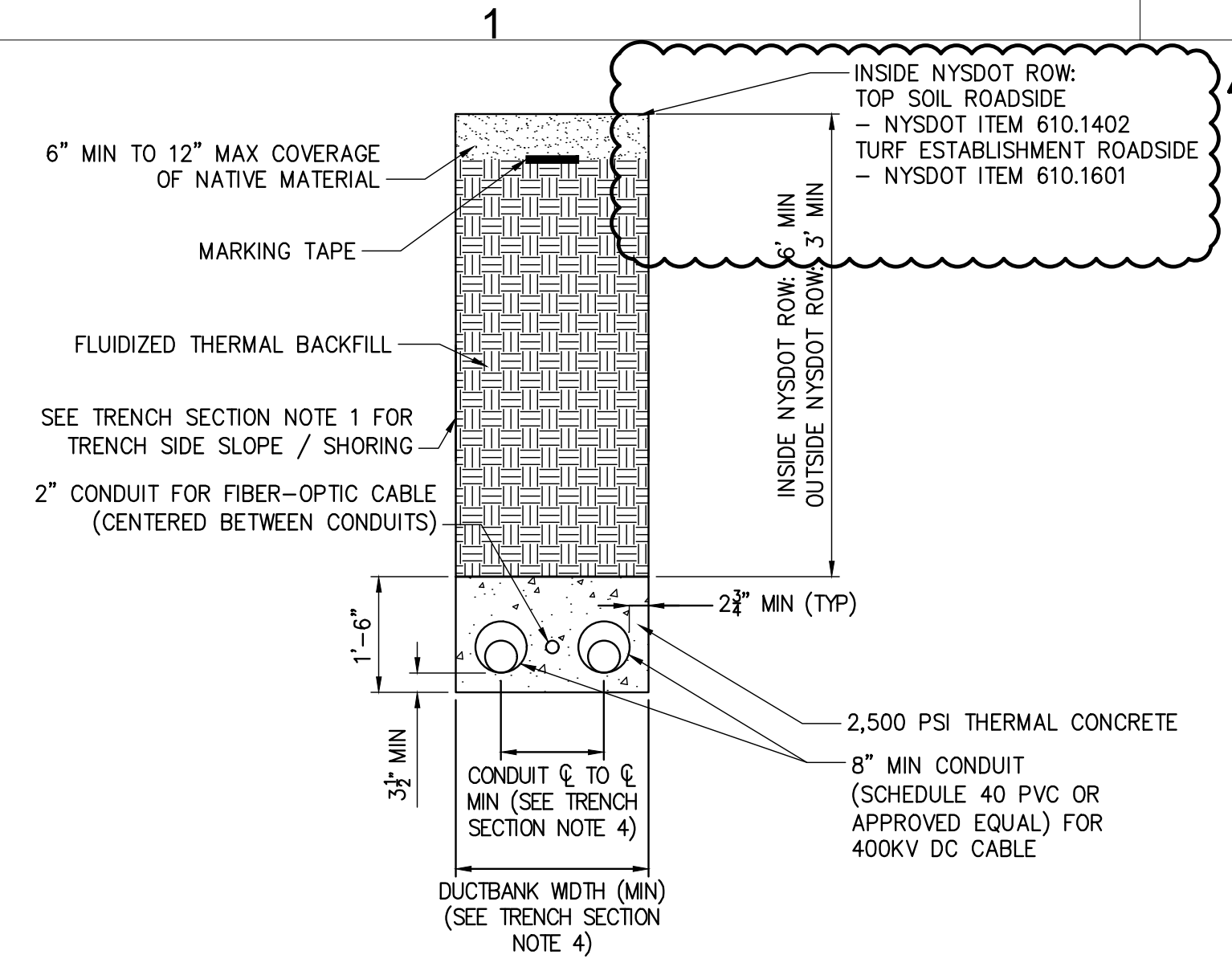
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SCALE: AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. C-602



CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Construction And Installation Details

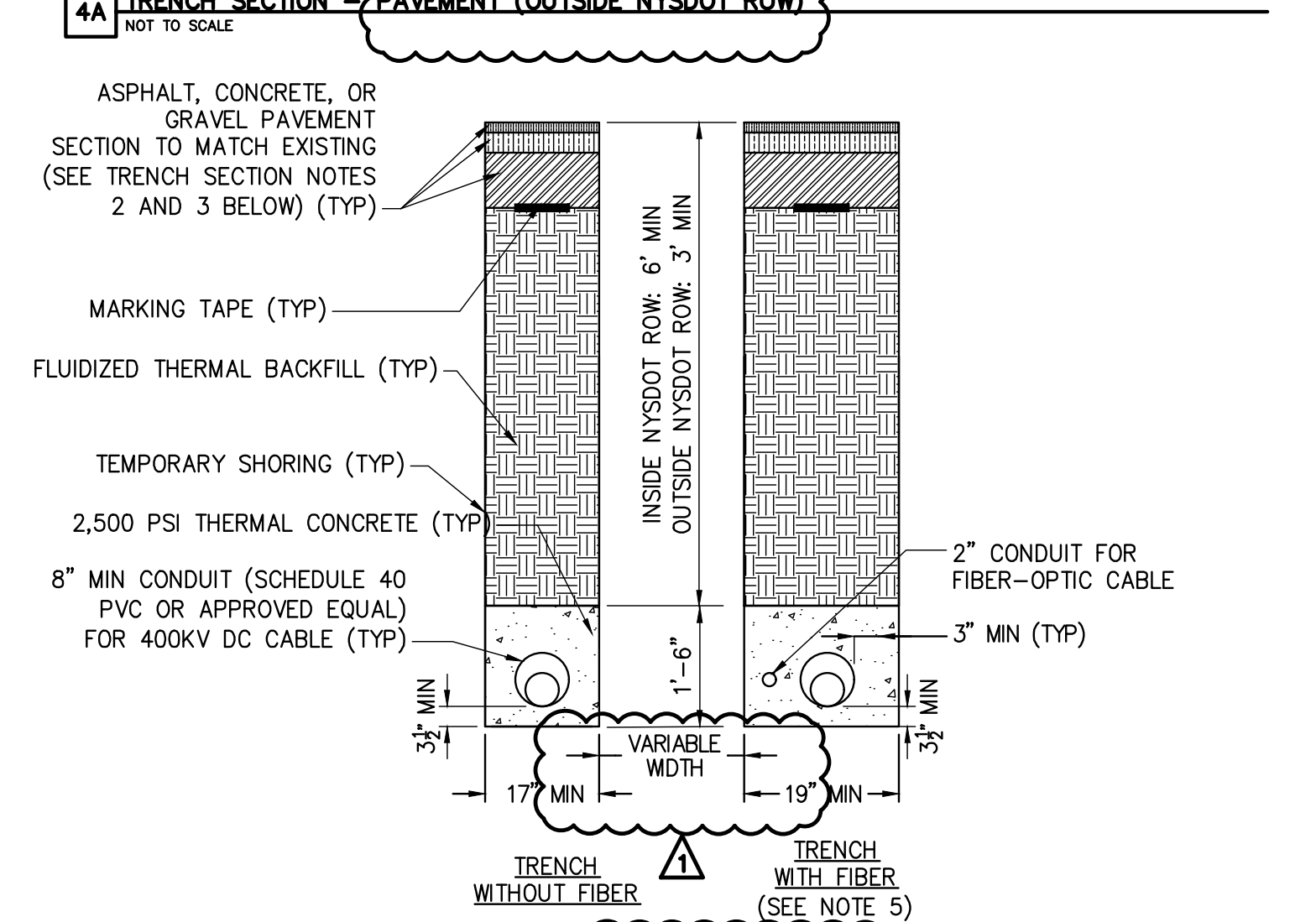
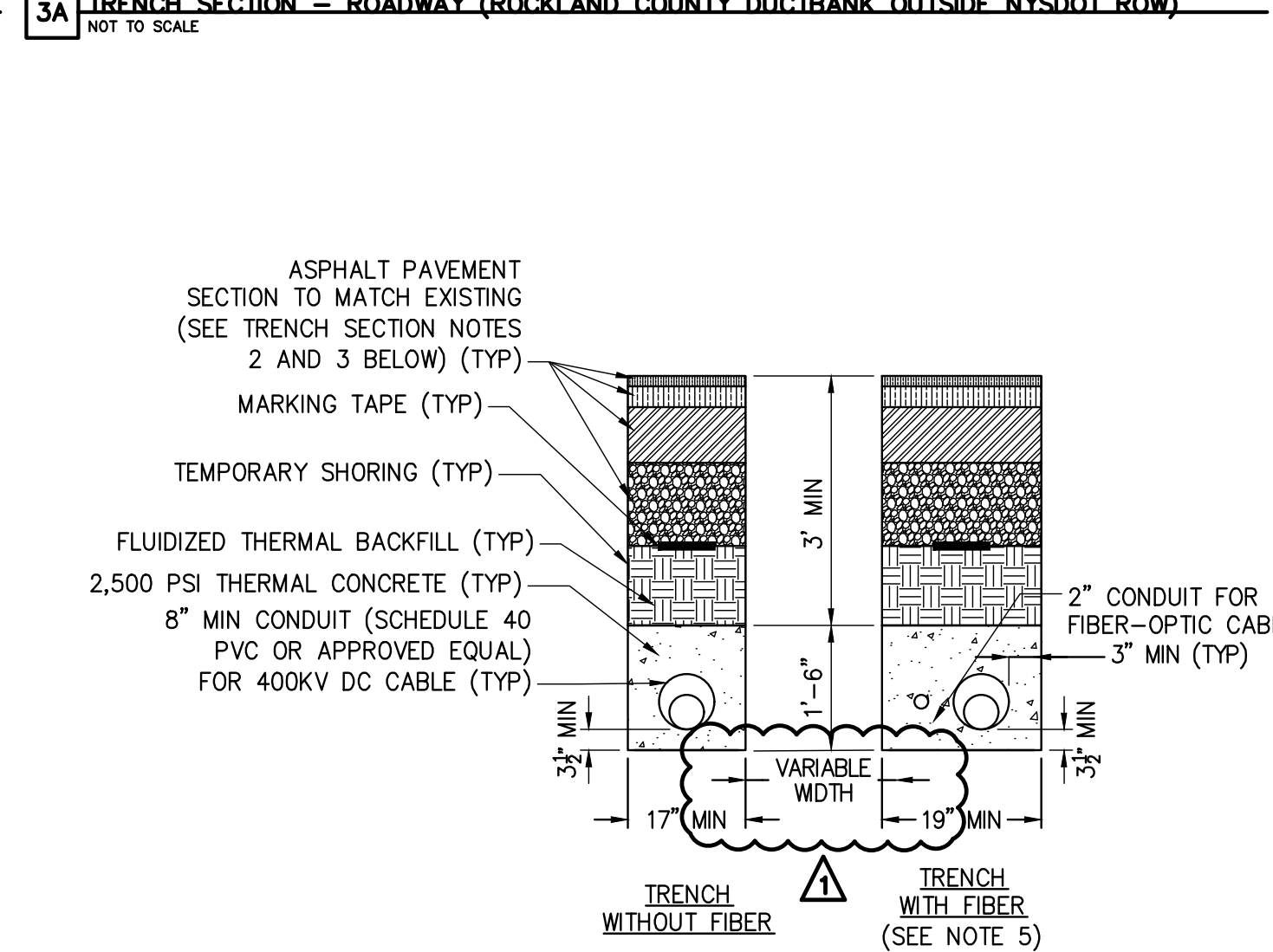
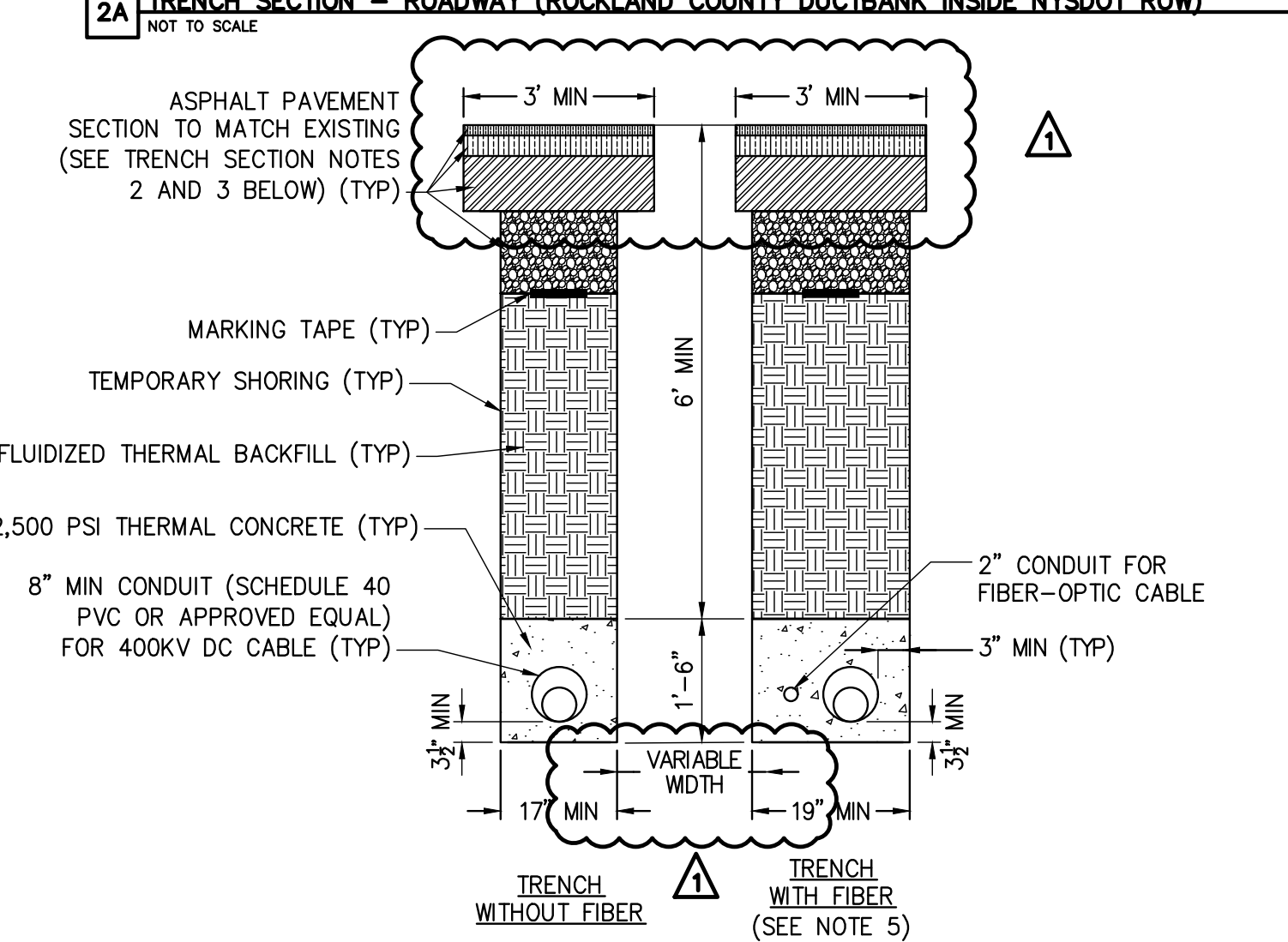
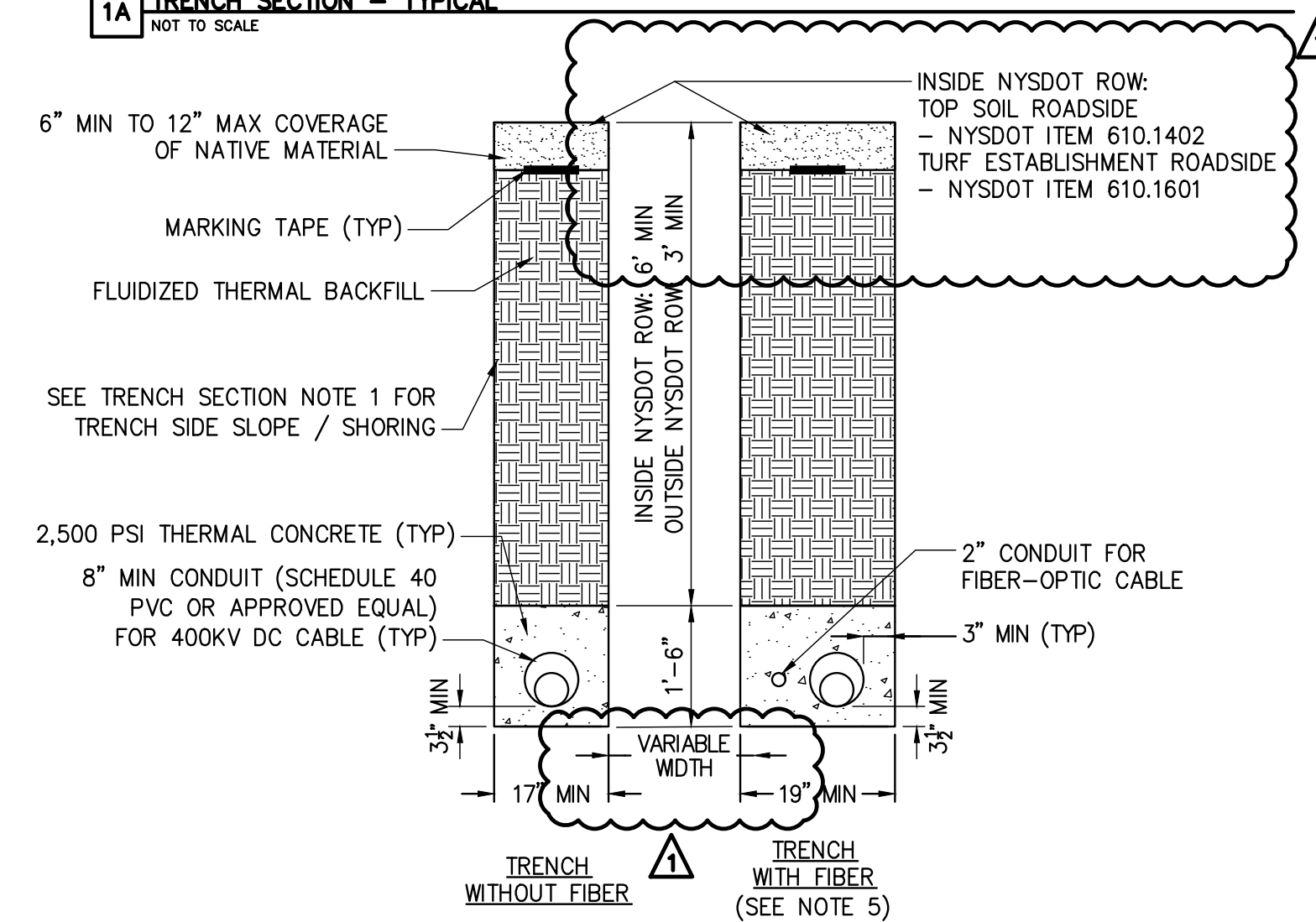


1A TRENCH SECTION - TYPICAL
NOT TO SCALE

2A TRENCH SECTION - ROADWAY (ROCKLAND COUNTY DUCTBANK INSIDE NYSDOT ROW)
NOT TO SCALE

3A TRENCH SECTION - ROADWAY (ROCKLAND COUNTY DUCTBANK OUTSIDE NYSDOT ROW)
NOT TO SCALE

4A TRENCH SECTION - PAVEMENT (OUTSIDE NYSDOT ROW)
NOT TO SCALE



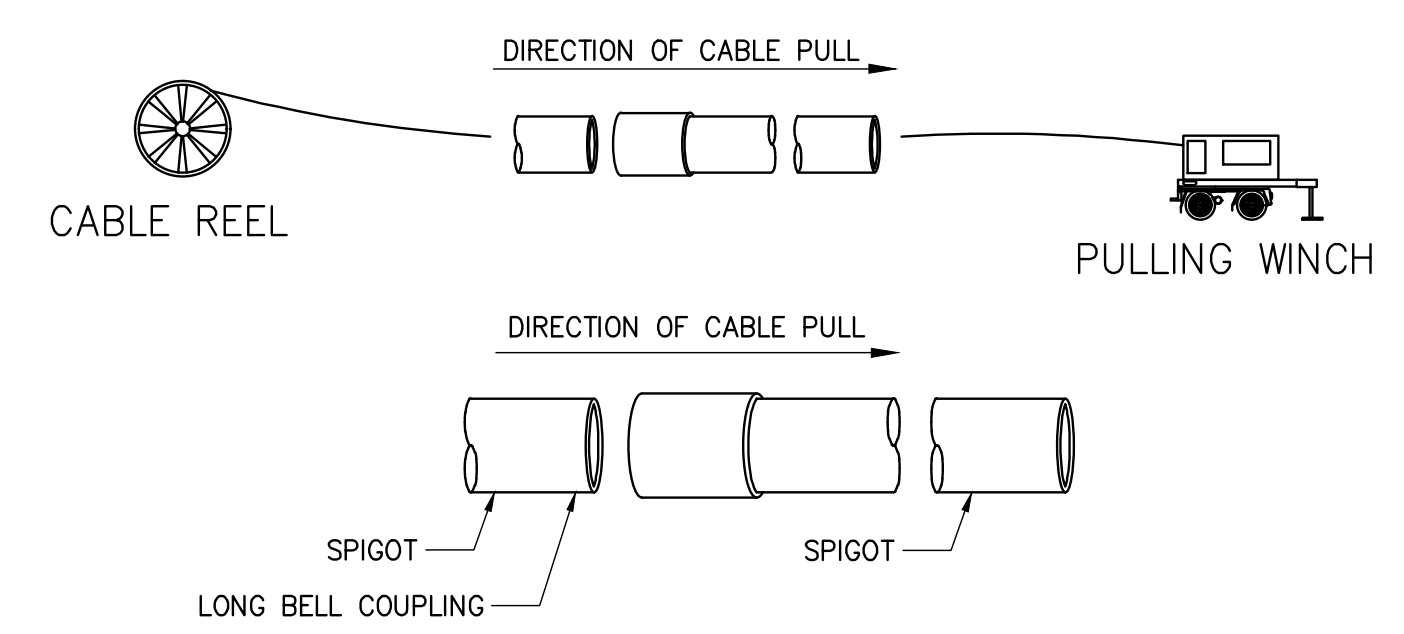
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NOT TO SCALE

2B SPLIT TRENCH SECTION - ROADWAY (ROCKLAND COUNTY DUCTBANK INSIDE NYSDOT ROW)
NOT TO SCALE

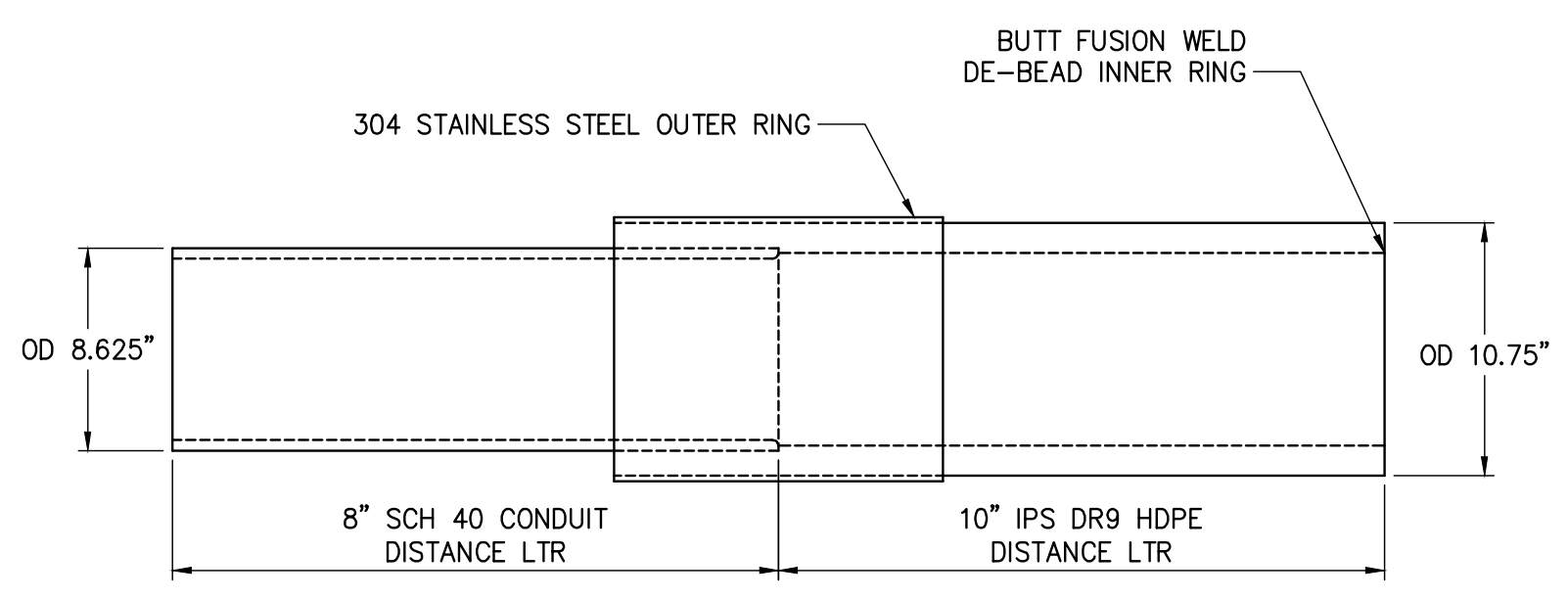
3B SPLIT TRENCH SECTION - ROADWAY (ROCKLAND COUNTY DUCTBANK OUTSIDE NYSDOT ROW)
NOT TO SCALE

4B SPLIT TRENCH SECTION - PAVEMENT (OUTSIDE NYSDOT ROW)
NOT TO SCALE

TRENCH SECTION NOTES:
 1. SLOPING, BENCHING, OR SHORING SHALL BE IN ACCORDANCE WITH OSHA EXCAVATION STANDARDS, 29 CFR PART 1926, SUBPART P. AT LOCATIONS WHERE THE TRENCH IS NOT SHORED, SLOPING AND/OR BENCHING WILL DEPEND ON TYPE OF SOILS ENCOUNTERED ON SITE. SLOPE FROM EDGE OF ROADWAY TO BOTTOM OF EXCAVATIONS MAY BE FLATTER THAN 2:1 (H:V) FOR AASHTO HS-20 LOADING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING SLOPE STABILITY BASED ON ACTUAL EQUIPMENT FOR SITE OPERATIONS AS DETERMINED BY A GEOTECHNICAL ENGINEER.
 2. SEE DETAIL 1 ON DETAIL SHEET C-631 FOR PAVEMENT TRANSITION DETAIL.
 3. SEE SHEET C-631 FOR SURFACE RESTORATION DETAILS. PARK ROAD RESTORATION IN STONY POINT SHALL HAVE 2" (WMA) SURFACE COURSE, 3" (WMA) BINDER BASE COURSE, AND 8" DENSE GRADE AGGREGATE SUB-BASE.
 4. SEE PLAN AND PROFILE SHEETS FOR CONDUIT ϕ TO ϕ AND DUCTBANK WIDTH (NOTE ABOVE PROFILE VIEW).
 5. FIBER TO LEAD IN AND OUT OF (-) POLARITY HDD BORE, AS NOTED ON PLAN AND PROFILE SHEETS.



5 TYPICAL COUPLING DIRECTION OF PULL DETAIL
NOT TO SCALE



6 8"-10" PVC/HDPE TRANSITION COUPLING DETAIL
NOT TO SCALE

NOTE:
 THIS TRANSITION COUPLING COMES ASSEMBLED AS A UNIT. POLY-CAM, ISCO INDUSTRIES P/N: 737-1008PVC40PV09 TRANSITION COUPLING SHALL ARRIVE FROM VENDOR WITH NO ROUGH EDGES OR PROTRUSIONS ON INTERIOR. INTEGRITY OF COUPLING TO BE FIELD-VERIFIED PRIOR TO INSTALLATION. IF UNSATISFACTORY, CONTRACTOR TO SHAPE OR SAND MINOR IRREGULARITIES PRIOR TO INSTALLATION.



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| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|---------------------------------------|----|-----|
| 1 | 12/22/2023 | NDC-0030: REVISED PER NYSDOT COMMENTS | BV | MS |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | BV | TK |

CHAMPLAIN HUDSON POWER EXPRESS
 SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
 TRENCH DETAILS

| | |
|--------------------|-------|
| PERMIT DRAWING NO. | N/A |
| DRAWING NO. | C-621 |

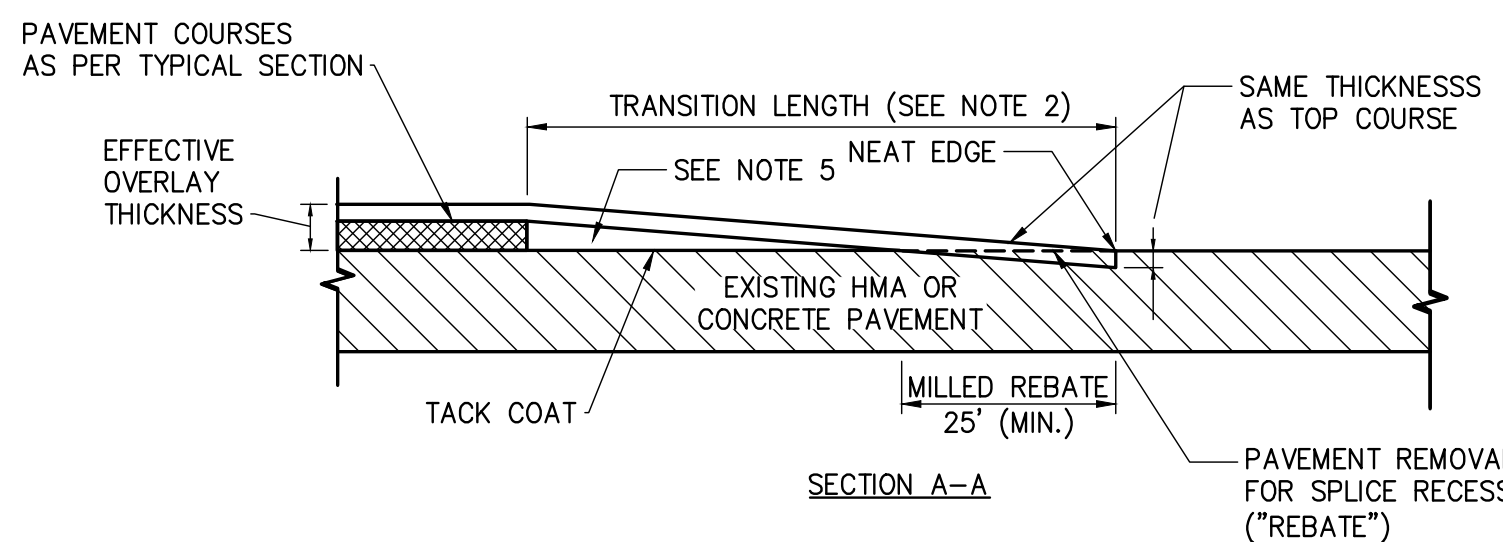
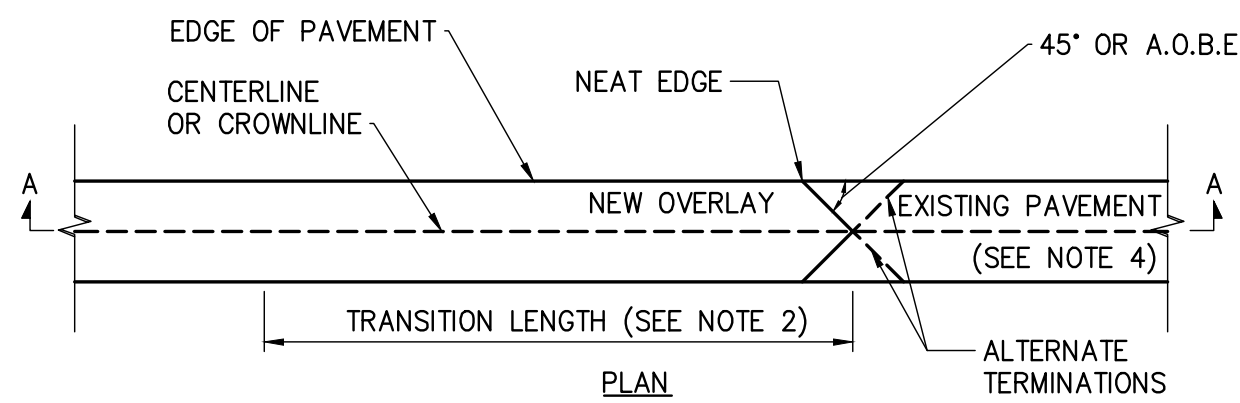
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 DATE: 07/20/2023

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CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Restoration Details

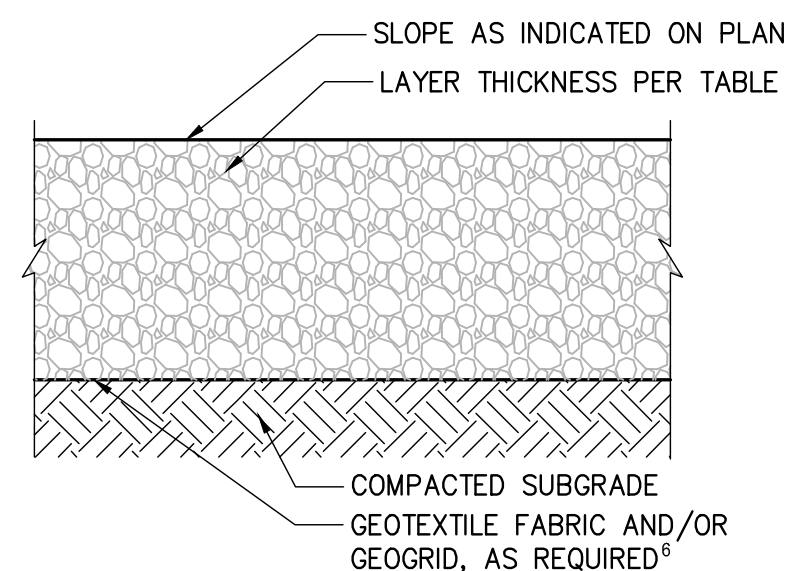


- NOTES:
- WARM MIX ASPHALT (WMA) OVERLAY SPICES SHALL BE USED AT: ENDS OF HMA OVERLAY HIGHWAY SECTIONS, MAJOR INTERSECTIONS, AND OTHER LOCATIONS INDICATED IN THE PLANS.
 - THE TRANSITION LENGTH IN FEET SHALL NOT BE LESS THAN THE VALUE OBTAINED BY MULTIPLYING THE EFFECTIVE OVERLAY THICKNESS IN INCHES (DIFFERENCE BETWEEN THE EXISTING AND THE OVERLAID ELEVATIONS) BY THE K VALUE FROM THE TABLE FOR THE POSTED SPEED OF THE HIGHWAY. THE MINIMUM TRANSITION LENGTH IS 30'.

EXAMPLE: IF THE POSTED SPEED IS 55 MPH.
EFFECTIVE OVERLAY THICKNESS = 2"
THEN THE MINIMUM TRANSITION LENGTH
= 2" INCHES X 30 FT/IN = 60 FEET

- ALL SURFACES OF THE WMA OVERLAY SPICE TRANSITION AREA SHALL BE CLEANED AND TACK-COATED PRIOR TO WMA PLACEMENT. THE COST OF MILLING REBATES, AND TACK COAT IN THE WMA OVERLAY SPICE TRANSITION AREA SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS. COST OF LEAVING A NEAT EDGE SHALL BE INCLUDED IN THE MILLING ITEM.
- SAW CUTS SHALL BE MADE SO THAT SURFACE RUNOFF IS DIRECTED TO THE EDGE OF PAVEMENT.
- IN THE TRANSITION AREA, PAVEMENT COURSES OTHER THAN THE TOP COURSE SHALL BE FEATHERED OUT USING TOP COURSE OR OTHER APPROPRIATE MATERIAL. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE ITEM.

| POSTED SPEED MPH | K VALUE TABLE FT/IN | | | | | | | |
|------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|
| | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| K | 16.67 | 19.17 | 21.67 | 24.17 | 27.50 | 30.00 | 32.50 | 35.00 |

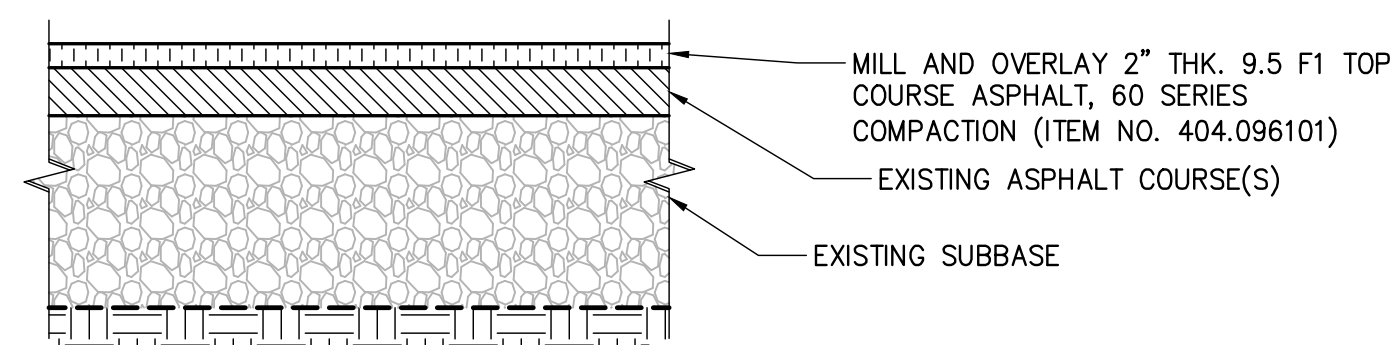
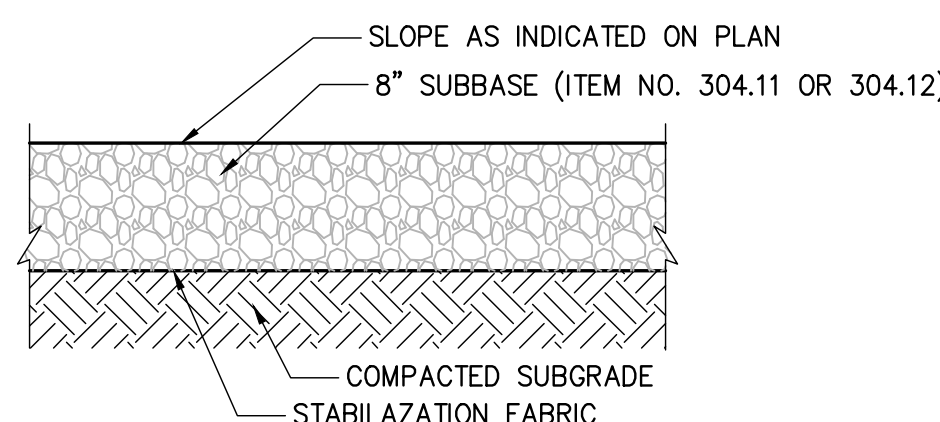


| TEMPORARY ACCESS ROAD SECTION ^{1,2,3,4} | | | | |
|--|-------------------|---|------------------------------------|--|
| CBR ⁵ | UNSTABILIZED | MIRAFI 180N GEOTEXTILE ⁶ | TENSAR BX1200 GEOGRID ⁶ | MIRAFI RSI SERIES GEOTEXTILE ⁶ |
| 0.5 | -- | 20 INCH RIP RAP ⁷ + 6 INCH AGGREGATE | -- | 20 INCH RIP RAP ⁷ + 4 INCH AGGREGATE (RS580I) |
| 1.0 | -- | 18 INCH AGGREGATE | 12 INCH AGGREGATE | 15 INCH AGGREGATE (RS280I) |
| 1.5 | -- | 12 INCH AGGREGATE | 9 INCH AGGREGATE | 9 INCH AGGREGATE (RS280I) |
| 2.0 | 18 INCH AGGREGATE | 11 INCH AGGREGATE | 6 INCH AGGREGATE | 9 INCH AGGREGATE (RS280I) |
| 3.0+ | 15 INCH AGGREGATE | 8 INCH AGGREGATE | 6 INCH AGGREGATE | 9 INCH AGGREGATE (RS280I) |

- NOTES:
- TEMPORARY ACCESS ROAD SECTIONS PER KIEWIT ENGINEERING (NY) CORP.
 - AGGREGATE SHALL BE NYS DOT TYPE 2 CRUSHED AGGREGATE OR APPROVED ALTERNATIVE.
 - DESIGN CONSIDERS 1,000 PASSES OF MAXIMUM 22-KIP AXLE LOAD AND A DESIGN RUT DEPTH OF 3 INCHES. ADDITIONAL AXLE PASSES, HEAVIER AXLE LOADS, AND DETERIORATED SUBGRADE CONDITIONS MAY REQUIRE THICKER AGGREGATE SECTIONS OR ADDITIONAL MAINTENANCE.
 - ALTERNATE TEMPORARY ACCESS ROAD DESIGNS MAY BE PROVIDED BY KIEWIT ENGINEERING, AS REQUIRED, BASED ON FIELD CONDITIONS AND TRAFFIC LOADING.
 - ESTIMATE CBR IN THE FIELD USING A DYNAMIC CONE PENETROMETER OR ALTERNATIVE METHOD APPROVED BY GEOTECHNICAL ENGINEER OF RECORD (EOR). CBR OF IN-SITU SOIL MAY VARY SEASONALLY DUE TO FREEZE/THAW AND BASED ON MOISTURE CONDITIONS.
 - GEOGRID AND GEOTEXTILE
 - GEOGRID AND GEOTEXTILES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION INCLUDING OVERLAP AND EDGE DETAILS.
 - SPECIFIED GEOTEXTILE OR GEOGRID MAY BE REPLACED BY EQUIVALENT MATERIAL APPROVED BY EOR.
 - GEOTEXTILE IS REQUIRED IN REGULATED WETLANDS AND AGRICULTURAL LANDS.
 - GEOTEXTILE SEPARATOR FABRIC IS REQUIRED BENEATH GEOGRID ON COHESIVE SUBGRADE
 - RIP RAP
 - RIP RAP SHALL BE NYS DOT LIGHT STONE FILL OR APPROVED ALTERNATIVE.
 - A LAYER OF #57 STONE IS RECOMMENDED ON TOP OF GEOTEXTILE TO PREVENT DAMAGING OR PUNCHING OF THE GEOTEXTILE FABRIC WHERE RIP RAP IS USED.

1 WARM MIX ASPHALT OVERLAY SPICE
SCALE: N.T.S.

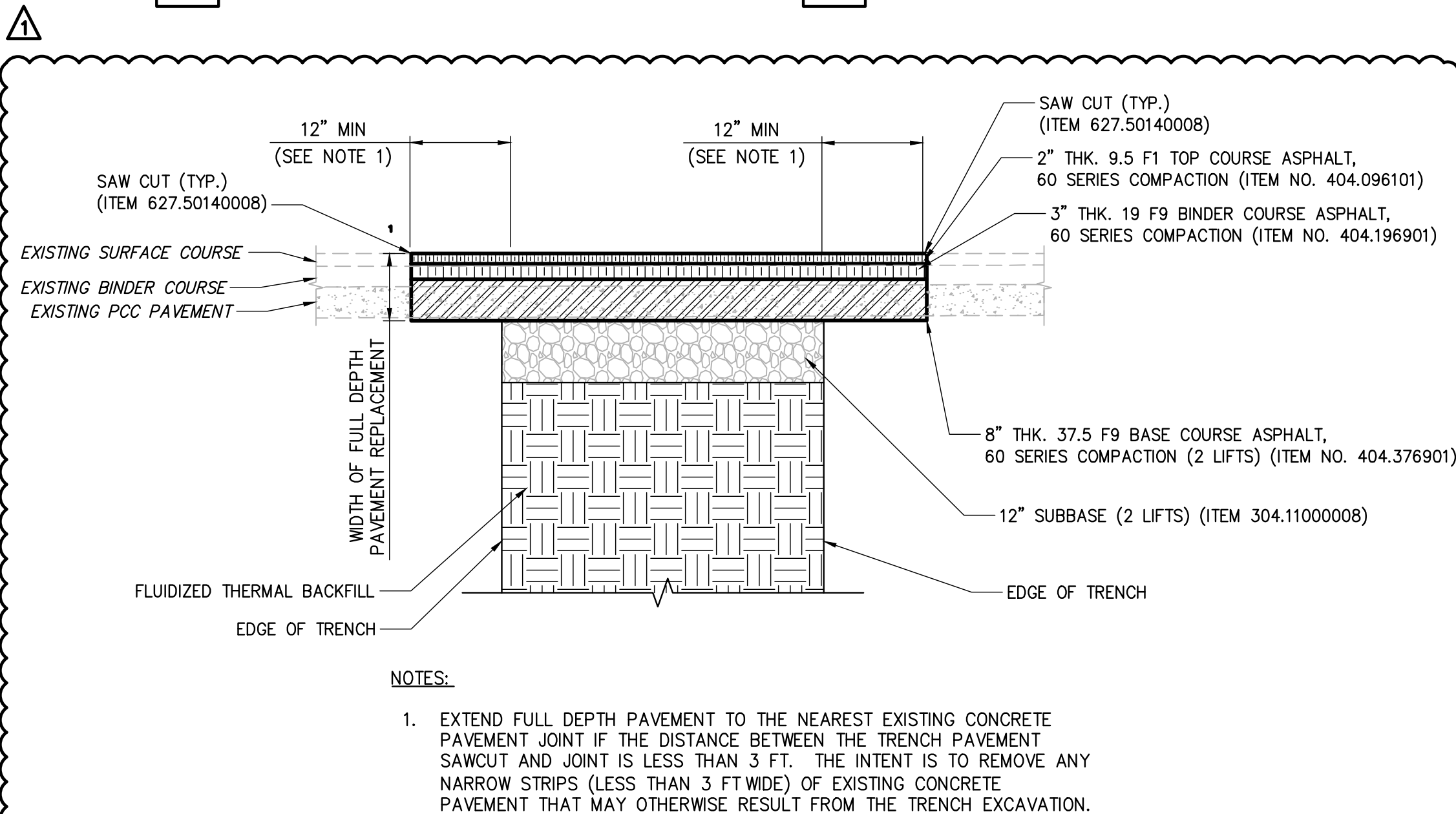
2 TEMPORARY ACCESS ROAD
SCALE: N.T.S.



- NOTES:
- APPLY TACKCOAT TO MILLED SURFACE PRIOR TO PLACING ASPHALT CONCRETE TOP COURSE.
 - ALL MATERIALS TO MEET NYS DOT STANDARD SPECIFICATIONS

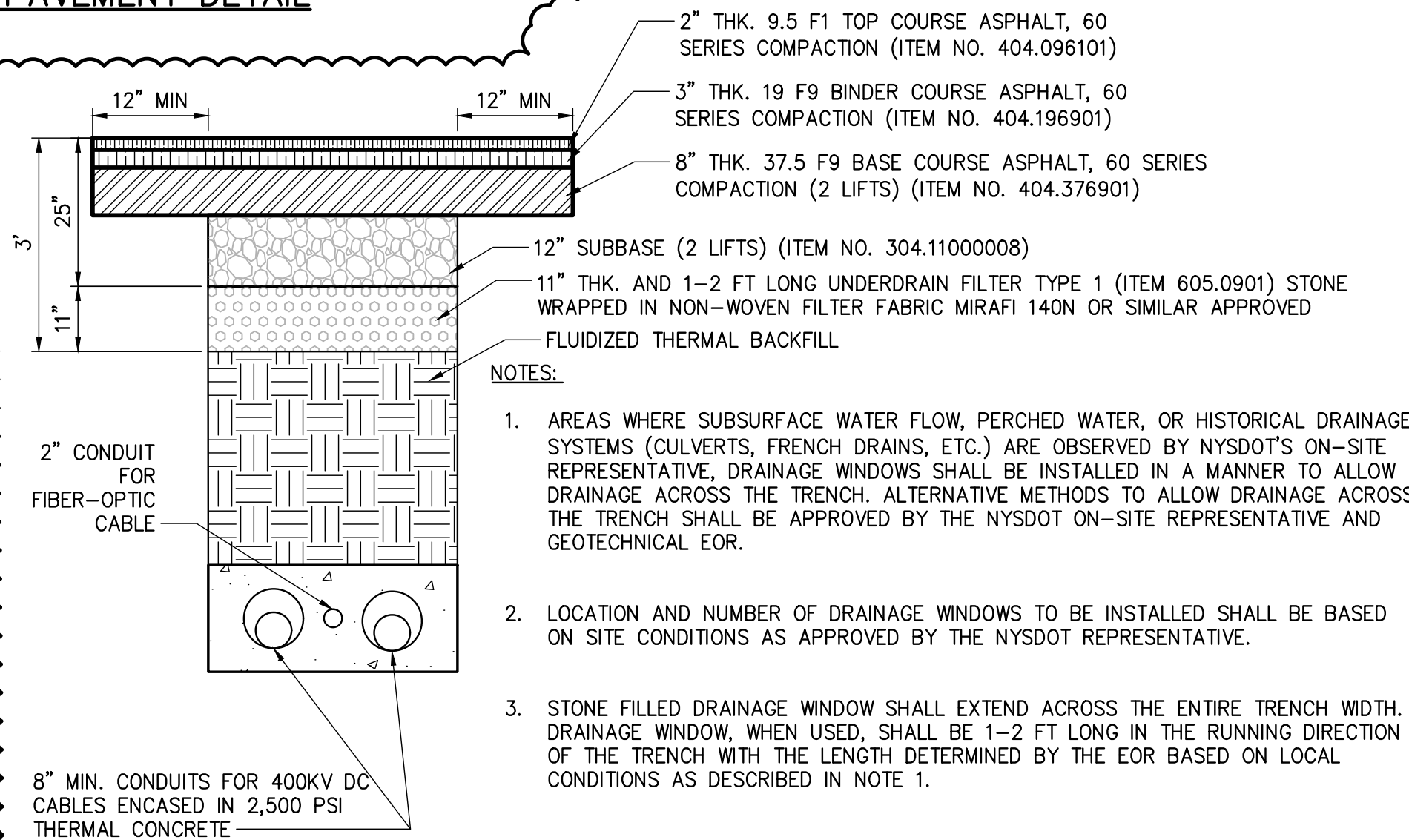
3 GRAVEL PAVEMENT
SCALE: N.T.S.

4 MILL AND OVERLAY ASPHALT CONCRETE PAVEMENT DETAIL
SCALE: N.T.S.



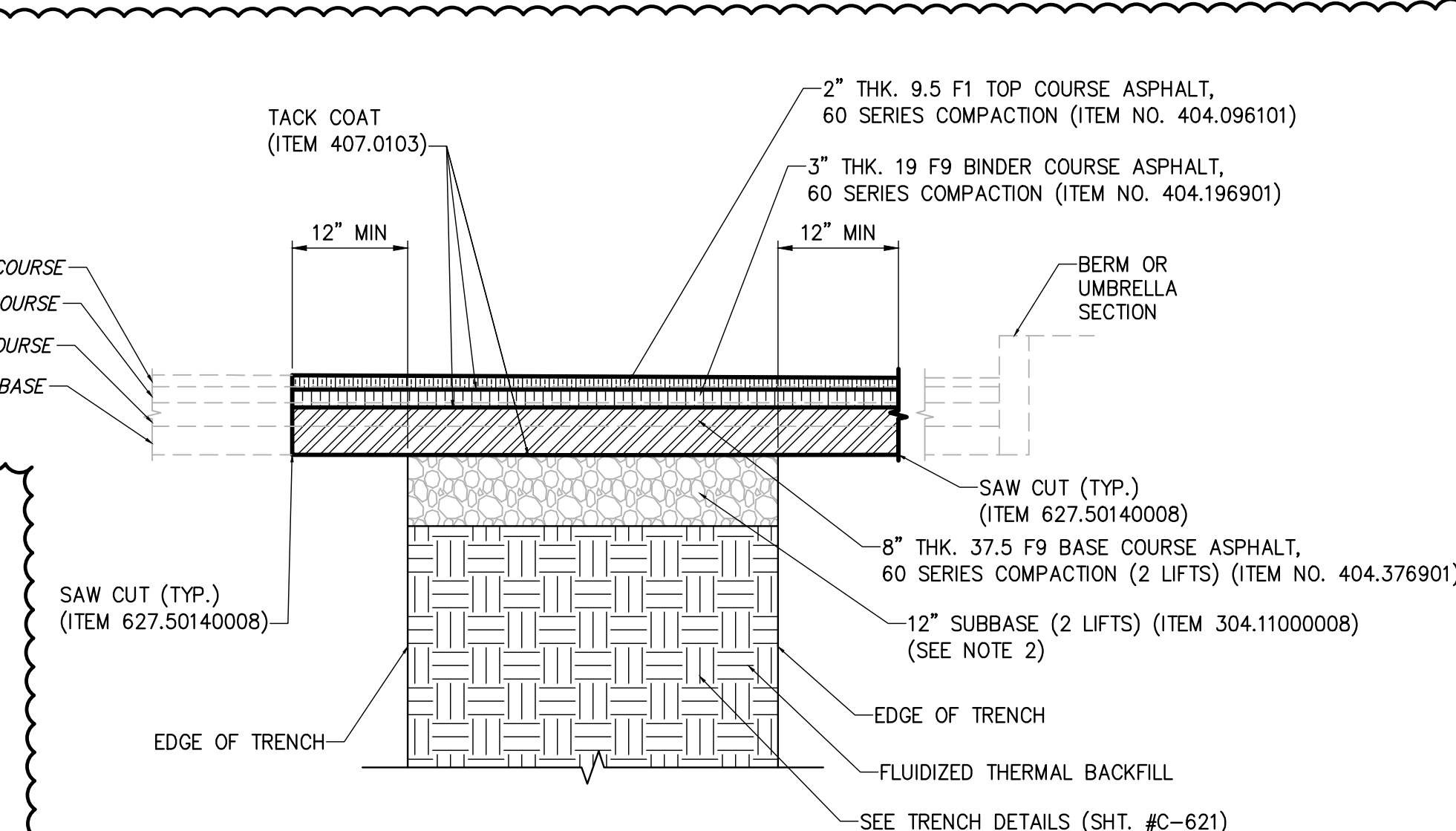
- NOTES:
- EXTEND FULL DEPTH PAVEMENT TO THE NEAREST EXISTING CONCRETE PAVEMENT JOINT IF THE DISTANCE BETWEEN THE TRENCH PAVEMENT SAWCUT AND JOINT IS LESS THAN 3 FT. THE INTENT IS TO REMOVE ANY NARROW STRIPS (LESS THAN 3 FT WIDE) OF EXISTING CONCRETE PAVEMENT THAT MAY OTHERWISE RESULT FROM THE TRENCH EXCAVATION.

6 PAVEMENT REPLACEMENT DETAIL (PCC SECTION)
SCALE: N.T.S.



- NOTES:
- AREAS WHERE SUBSURFACE WATER FLOW, PERCHED WATER, OR HISTORICAL DRAINAGE SYSTEMS (CULVERTS, FRENCH DRAINS, ETC.) ARE OBSERVED BY NYS DOT'S ON-SITE REPRESENTATIVE, DRAINAGE WINDOWS SHALL BE INSTALLED IN A MANNER TO ALLOW DRAINAGE ACROSS THE TRENCH. ALTERNATIVE METHODS TO ALLOW DRAINAGE ACROSS THE TRENCH SHALL BE APPROVED BY THE NYS DOT ON-SITE REPRESENTATIVE AND GEOTECHNICAL EOR.
 - LOCATION AND NUMBER OF DRAINAGE WINDOWS TO BE INSTALLED SHALL BE BASED ON SITE CONDITIONS AS APPROVED BY THE NYS DOT REPRESENTATIVE.
 - STONE FILLED DRAINAGE WINDOW SHALL EXTEND ACROSS THE ENTIRE TRENCH WIDTH. DRAINAGE WINDOW, WHEN USED, SHALL BE 1-2 FT LONG IN THE RUNNING DIRECTION OF THE TRENCH WITH THE LENGTH DETERMINED BY THE EOR BASED ON LOCAL CONDITIONS AS DESCRIBED IN NOTE 1.
 - OVER THE ENTIRE RUNNING LENGTH OF THE TRENCH IN NYS DOT ROW, THE SPACING OF DRAINAGE WINDOWS SHALL NOT BE LESS THAN 20 FT C/C. ANY DEVIATION WOULD REQUIRE FURTHER EVALUATION BY THE EOR.
 - ENDS OF THE STONE "WINDOWS" SHALL NOT BE COVERED OR WRAPPED IN GEOTEXTILE. FILTER STONE ON EACH END OF THE WINDOW MUST BE PLACED IN DIRECT CONTACT WITH THE TRENCH WALLS WITH NO GEOTEXTILE IN BETWEEN.

7 TYPICAL DRAINAGE WINDOW DETAIL
SCALE: N.T.S.



- NOTES:
- EXISTING PCC PAVEMENT WITHIN THE LIMITS OF THE TRENCH SHALL BE REPLACED WITH ASPHALT COURSES AS PER THIS DETAIL NO. 5.
 - USE TYPE 2 SUBBASE OF ITEM NUMBER 304.12

5 PAVEMENT RESTORATION DETAIL (ASPHALT SECTION)
SCALE: N.T.S.

SIDEWALK AND CURB RESTORATION NOTE:
1. CONTRACTOR SHALL RESTORE THE SIDEWALK AND CURB PER NYS DOT STANDARD DETAIL SHEETS 608-01 AND 609-01.



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| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|--|----|-----|
| 1 | 12/22/2023 | NDC-0030: REVISED PER NYS DOT COMMENTS | BV | MS |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | BV | MS |

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
SURFACE RESTORATION DETAILS**

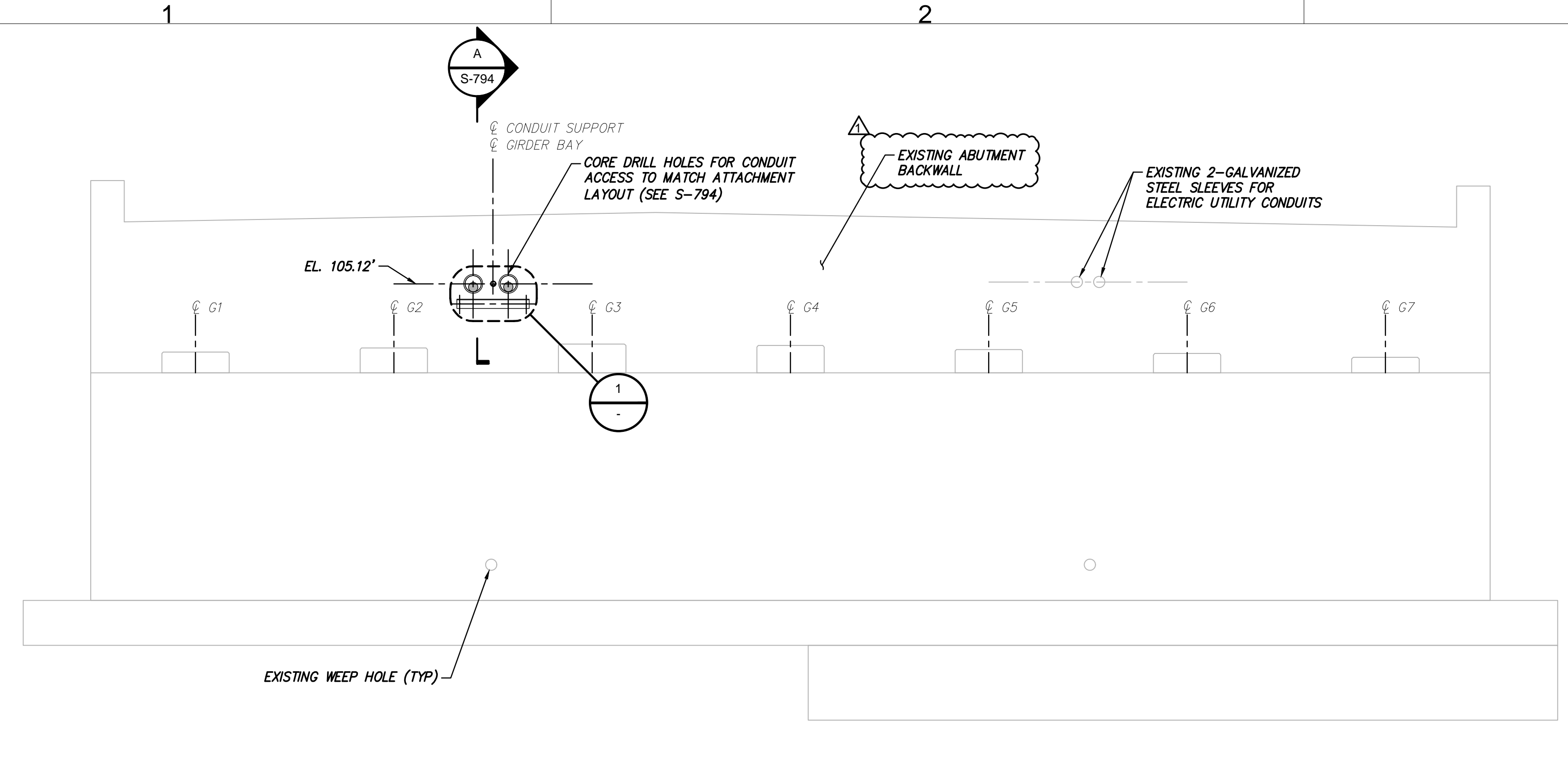
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SCALE: AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. C-631

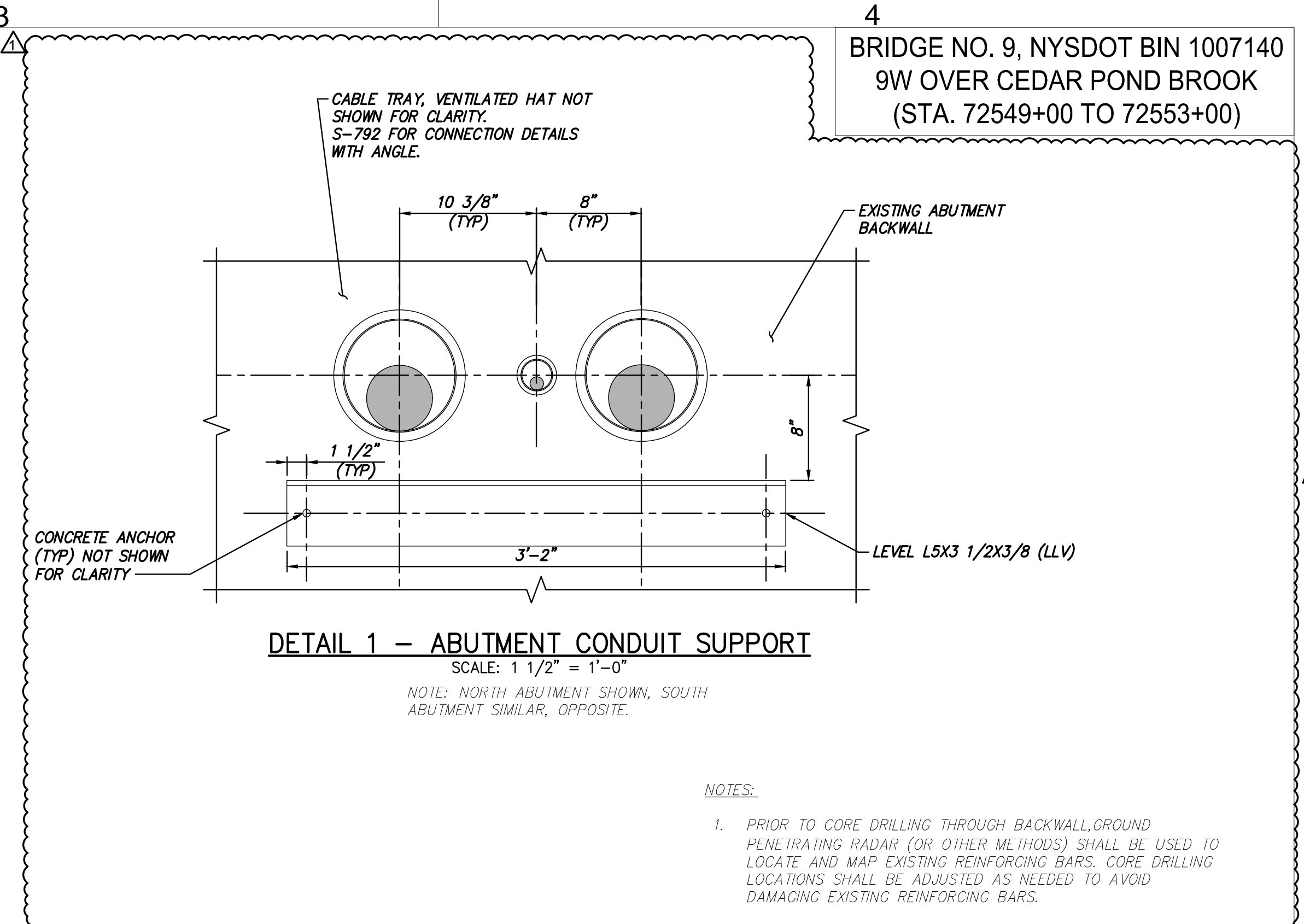


CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Structural Details

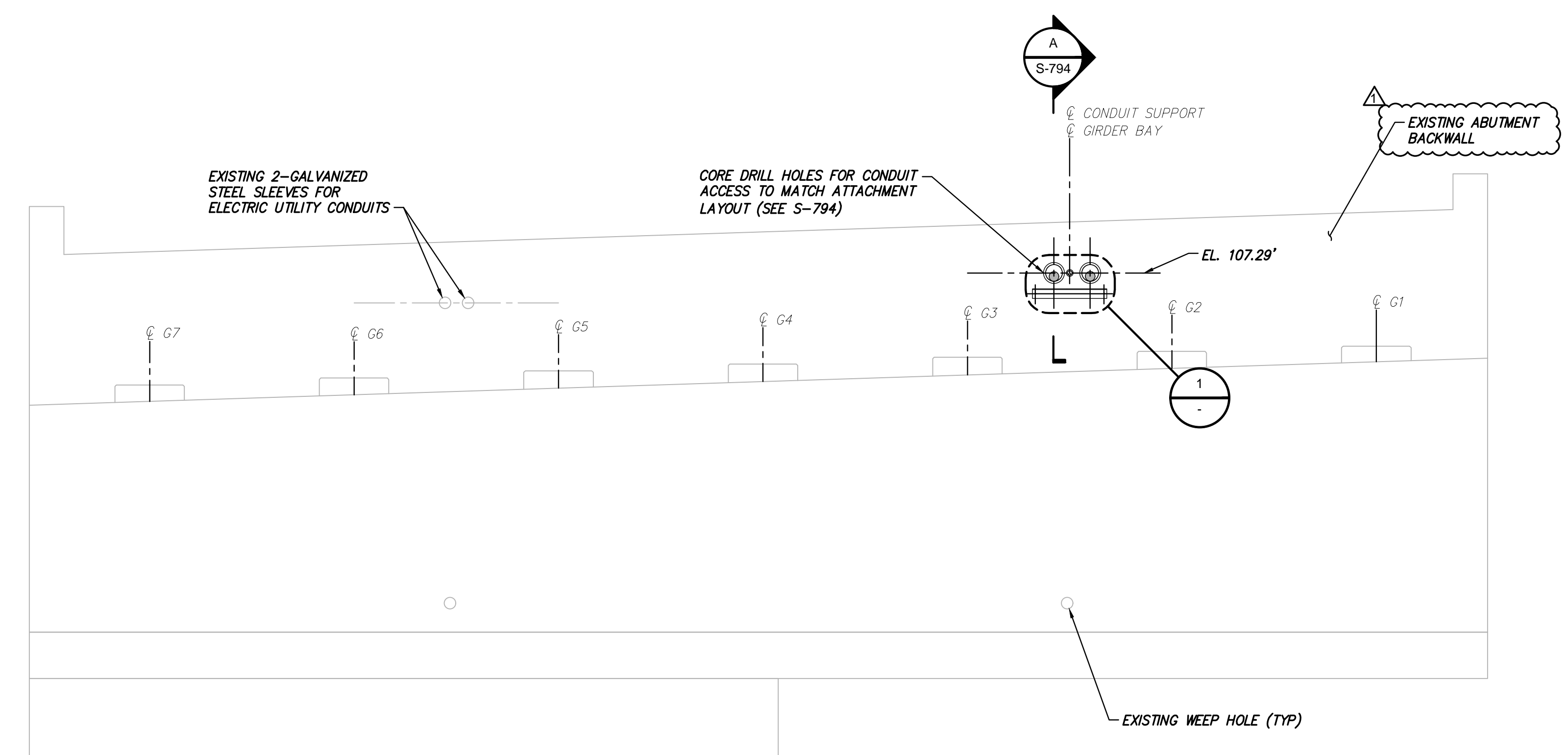


ELEVATION – NORTH ABUTMENT
SCALE: 1/4" = 1'-0"



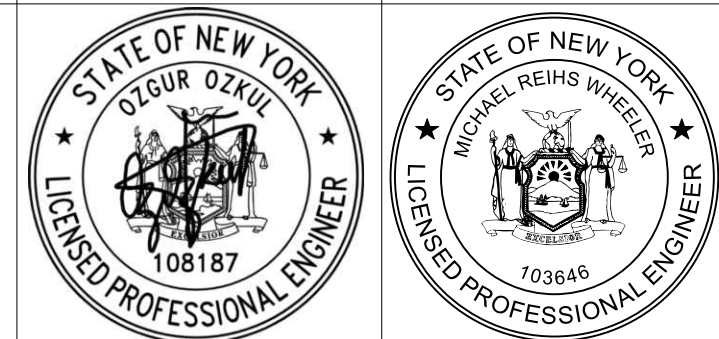
DETAIL 1 – ABUTMENT CONDUIT SUPPORT
SCALE: 1 1/2" = 1'-0"
NOTE: NORTH ABUTMENT SHOWN, SOUTH ABUTMENT SIMILAR, OPPOSITE.

- NOTES:
- PRIOR TO CORE DRILLING THROUGH BACKWALL, GROUND PENETRATING RADAR (OR OTHER METHODS) SHALL BE USED TO LOCATE AND MAP EXISTING REINFORCING BARS. CORE DRILLING LOCATIONS SHALL BE ADJUSTED AS NEEDED TO AVOID DAMAGING EXISTING REINFORCING BARS.



ELEVATION – SOUTH ABUTMENT
SCALE: 1/4" = 1'-0"

THE ELECTRICAL ENGINEER OF RECORD, MICHAEL REIHS WHEELER, IS SEALING FOR THE ELECTRICAL DESIGN DETAILS. THE CIVIL ENGINEER, OZGUR OZKUL, IS SEALING FOR THE STRUCTURAL DESIGN DETAILS.



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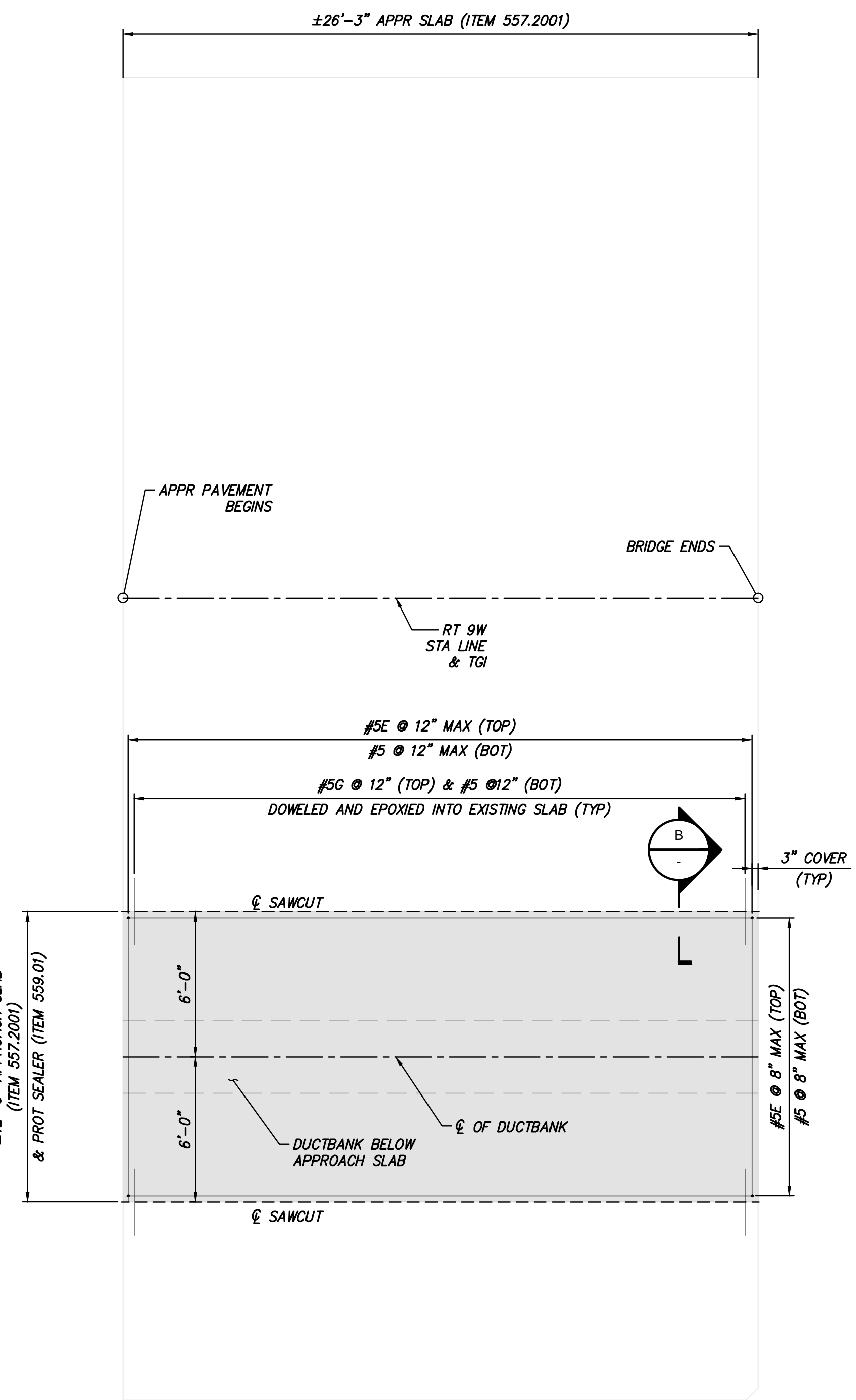
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|-----|------------|--|-----|-----|
| 1 | 12/22/2023 | NDC-0030: CHANGES PER NYSDOT R8 COMMENTS | JNK | OO |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION | JNK | OO |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
BRIDGE ATTACHMENT - BRIDGE NO. 9 ABUTMENT
SECTION AND DETAILS

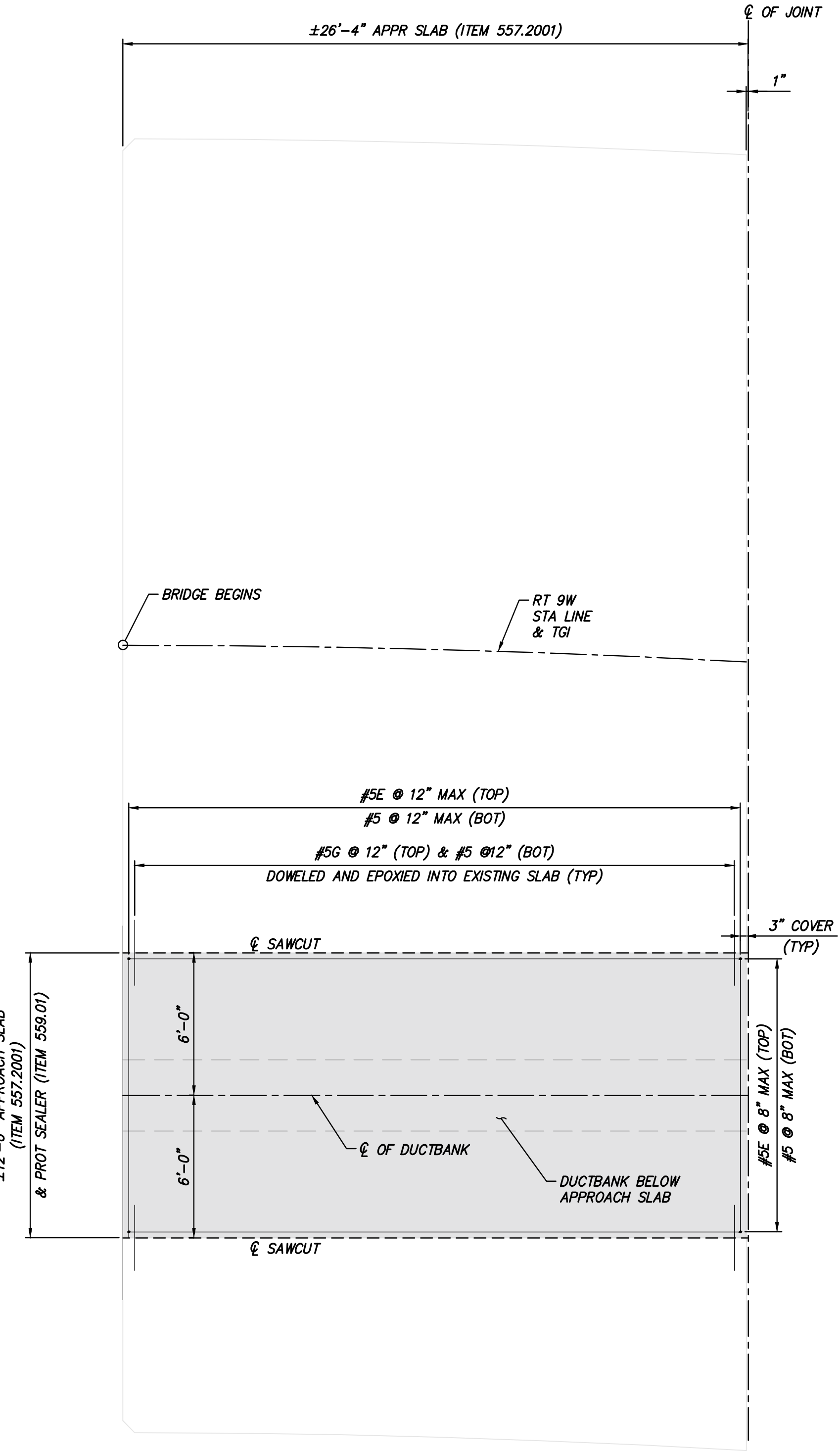
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SCALE AS SHOWN DATE: 07/20/2023

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DRAWING NO. S-793

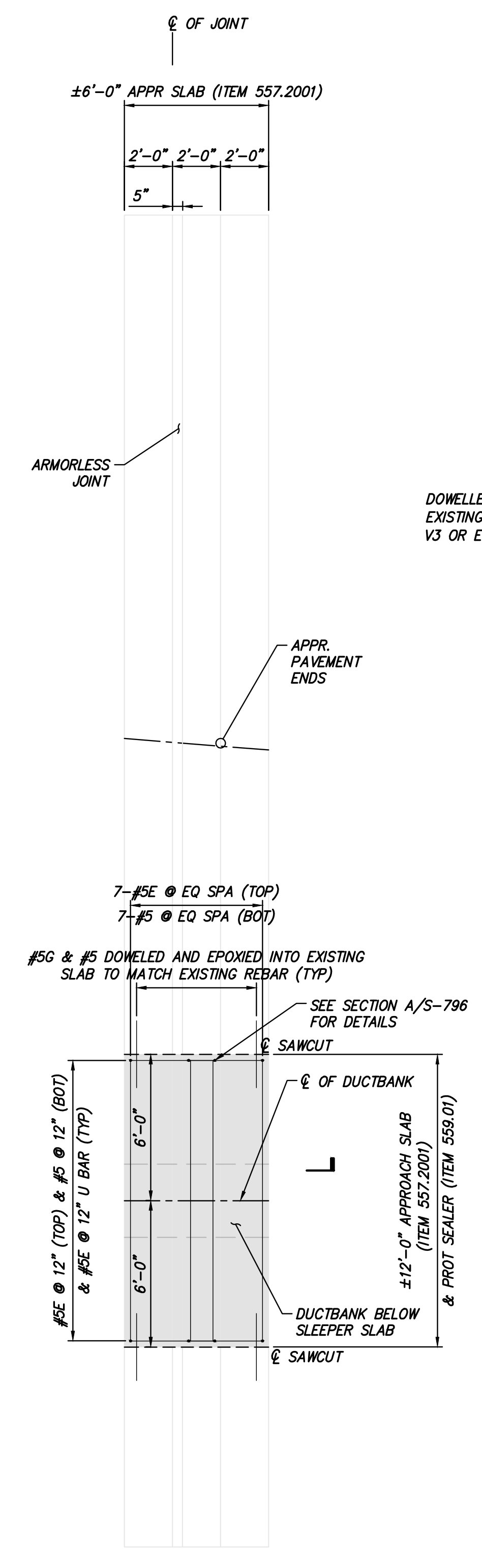
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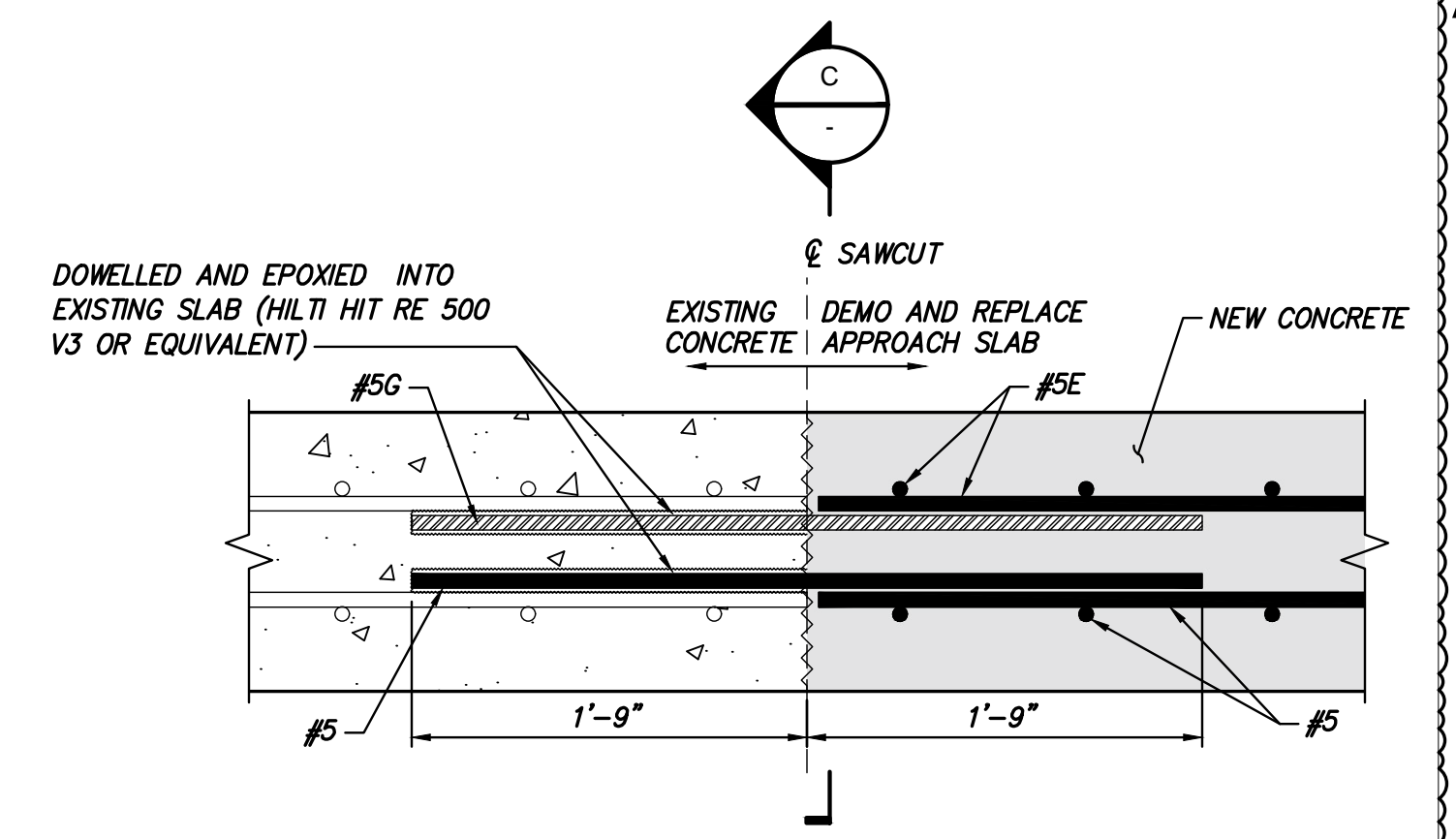
NORTH APPROACH SLAB
SCALE: 1/4" = 1'-0"



SOUTH APPROACH SLAB
SCALE: 1/4" = 1'-0"

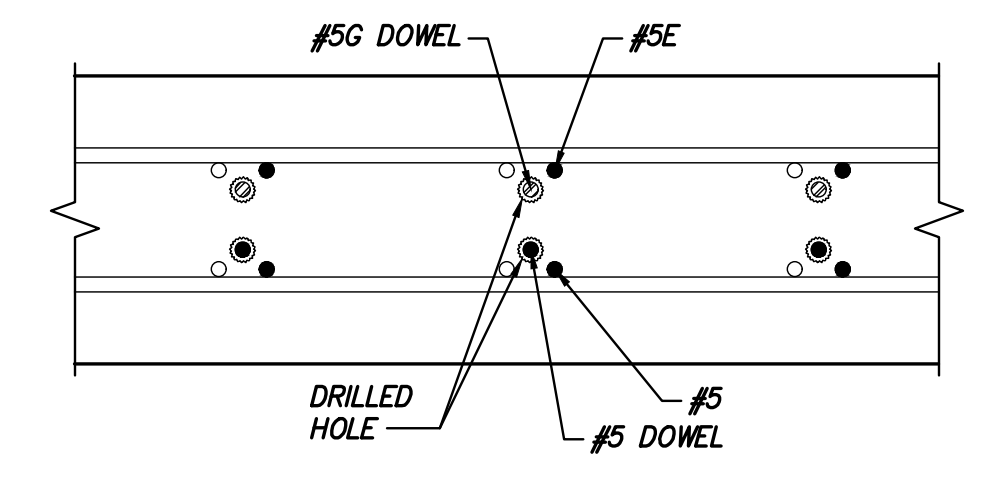


SLEEPER SLAB
SCALE: 1/4" = 1'-0"



SECTION B - DEMOLITION AND REBAR DOWELS
SCALE: NTS

- SURFACE PREPARATION:**
- INTENTIONALLY ROUGHEN CONCRETE CONTACT SURFACE TO A FULL AMPLITUDE OF ~1/4"
 - CONCRETE CONTACT SURFACE SHALL BE CLEAN AND FREE OF LAITANCE.
 - APPLY BONDING AGENT ON THE HARDENED CONCRETE SURFACE BEFORE CASTING FRESH CONCRETE.



SECTION C
SCALE: NTS

- NOTES:**
- REBAR AND CONCRETE PER NYSDOT STANDARD DETAILS (SHEETS "BD-SA1E" THROUGH "BD-SA10E") AND JAMES FARLEY BRIDGE AS-BUILD DRAWINGS (CONTRACT NUMBER D261034)
 - REBAR COUPLERS TO BE PROVIDED TO ALLOW FOR CONTINUOUS REINFORCEMENT ACROSS CONSTRUCTION JOINT BETWEEN APPROACH SLAB AND BRIDGE DECK. SEE DETAIL 4/S-796.
 - E DENOTES EPOXY COATED REBAR, G DENOTES GALVANIZED REBAR. ALL REBARS ARE GRADE 60.
 - DIMENSIONS OF EXISTING STRUCTURE TO BE FIELD-VERIFIED. TRENCH LOCATION TO BE VERIFIED AGAINST CIVIL DRAWINGS C-104.
 - EXISTING APPROACH SLAB & SLEEPER SLAB CONCRETE STRENGTH IS 3.0KSI (21MPA) PER AS-BUILD DRAWINGS.

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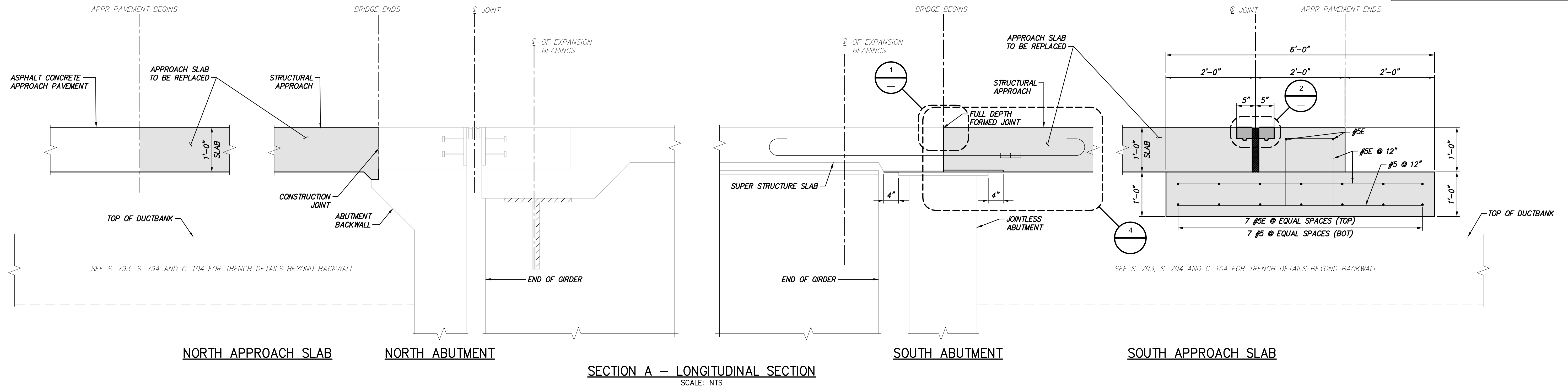
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|-----|------------|--|-----|-----|
| 1 | 12/22/2023 | NDC-0030: CHANGES PER NYSDOT R8 COMMENTS | JNK | OO |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION | JNK | OO |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
BRIDGE ATTACHMENT - BRIDGE NO. 9
APPROACH SLAB REINFORCEMENT

DRAWN BY: DRH DESIGNED BY: JNK APPROVED BY: OO
SCALE: AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. S-795

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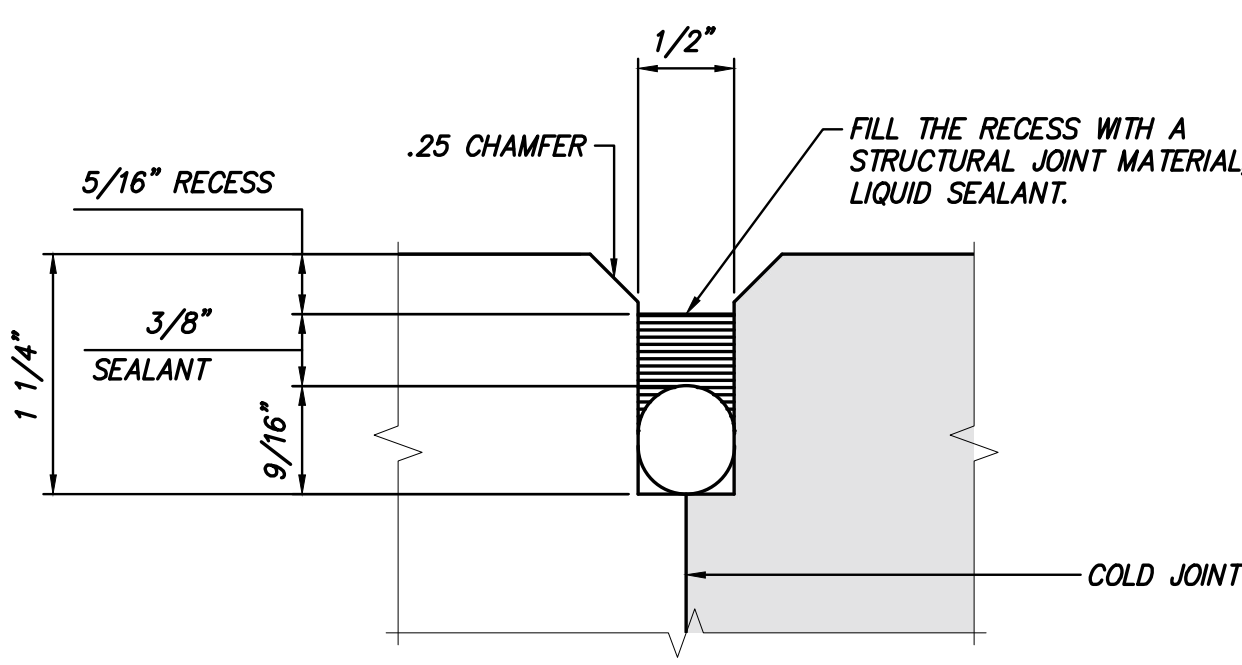
NORTH APPROACH SLAB

NORTH ABUTMENT

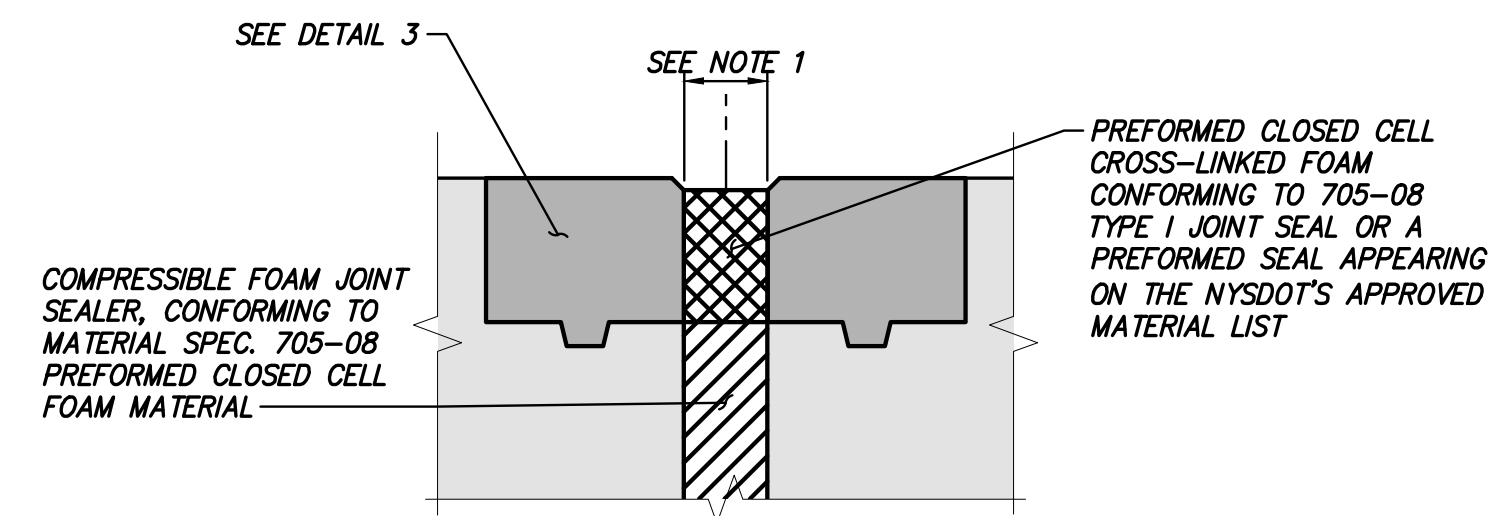
SECTION A - LONGITUDINAL SECTION
SCALE: NTS

SOUTH ABUTMENT

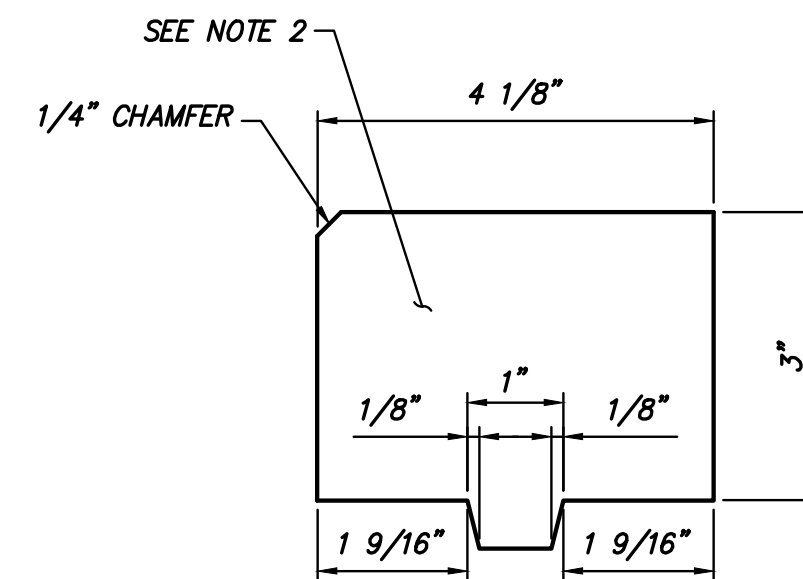
SOUTH APPROACH SLAB



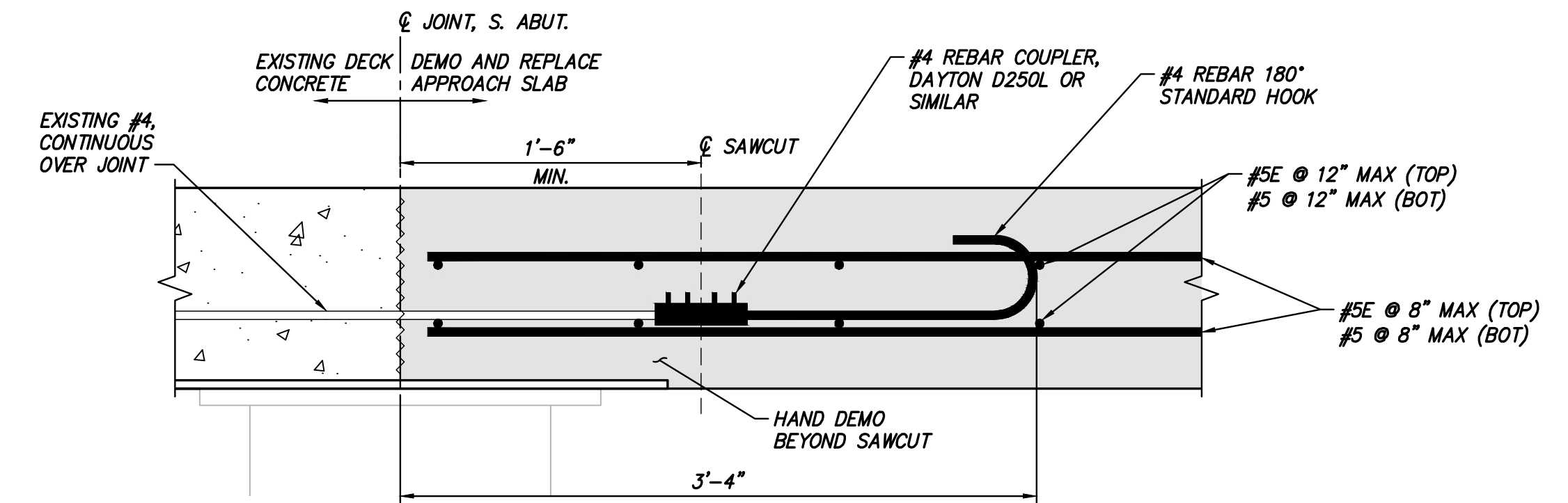
DETAIL 1 - JOINT RECESS
SCALE: NTS



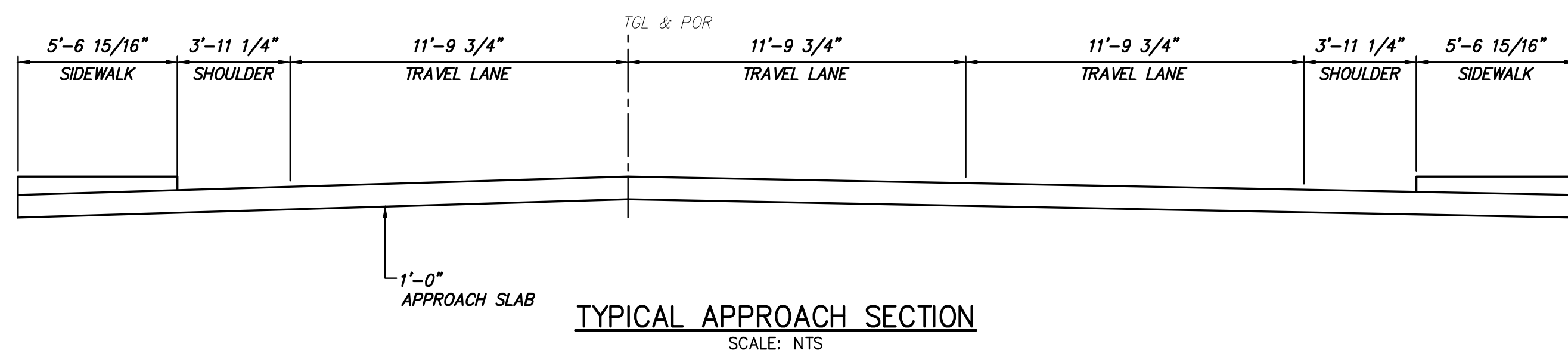
DETAIL 2 - CLOSED CELL FOAM
ARMORLESS BRIDGE JOINT SECTION
SCALE: NTS



DETAIL 3 - ELASTOMERIC CONCRETE HEADER
SCALE: NTS



DETAIL 4 - DEMOLITION AND REBAR COUPLER
SCALE: NTS
SEE SURFACE PREPARATION NOTES ON SECTION B / S-795.



TYPICAL APPROACH SECTION
SCALE: NTS

NOTES:
1. COMPRESSED SYNTHETIC SHEET GASKET (TREATED BOTH SIDES), MATERIAL SPECIFICATION 728-08, TWO 0.06 IN. THICK SHEETS.



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| 1 | 12/22/2023 | NDC-0030: CHANGES PER NYSDOT R8 COMMENTS | JNK | OO |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION | JNK | OO |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
BRIDGE ATTACHMENT - BRIDGE NO. 9 APPROACH SLAB
SECTION AND DETAILS

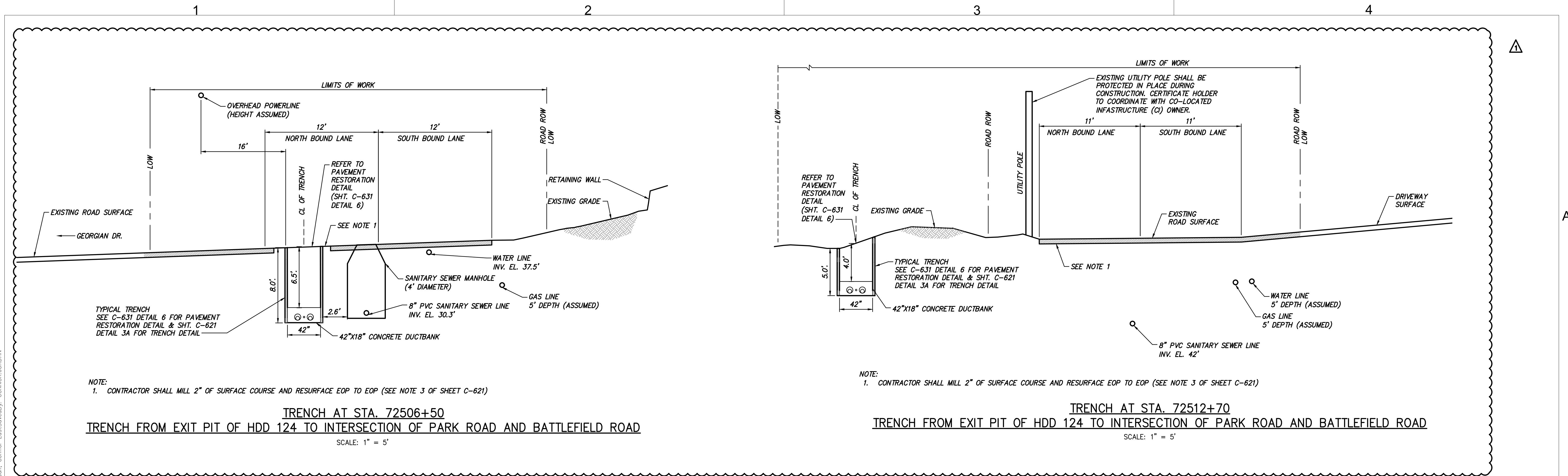
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N/A
DRAWING NO.
S-796

DRAWN BY: DRH DESIGNED BY: JNK APPROVED BY: OO
SCALE AS SHOWN
DATE: 07/20/2023



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623 Fifth Avenue, 20th Floor
New York, NY 10022

Road Section Exhibits

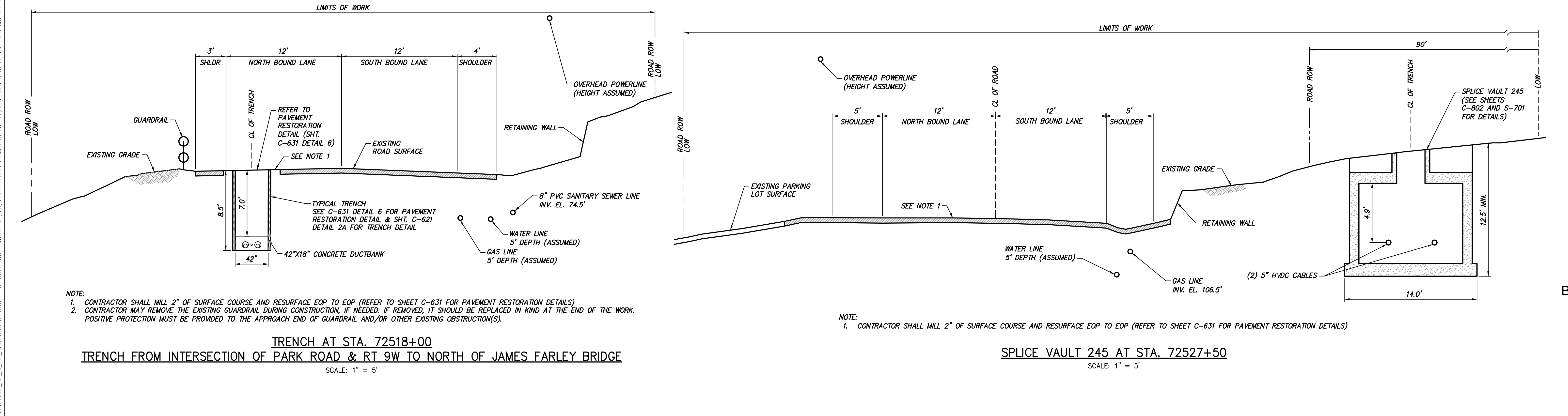


NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (SEE NOTE 3 OF SHEET C-621)

TRENCH AT STA. 72506+50
TRENCH FROM EXIT PIT OF HDD 124 TO INTERSECTION OF PARK ROAD AND BATTLEFIELD ROAD
SCALE: 1" = 5'

NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (SEE NOTE 3 OF SHEET C-621)

TRENCH AT STA. 72512+70
TRENCH FROM EXIT PIT OF HDD 124 TO INTERSECTION OF PARK ROAD AND BATTLEFIELD ROAD
SCALE: 1" = 5'



NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)
2. CONTRACTOR MAY REMOVE THE EXISTING GUARDRAIL DURING CONSTRUCTION, IF NEEDED. IF REMOVED, IT SHOULD BE REPLACED IN KIND AT THE END OF THE WORK. POSITIVE PROTECTION MUST BE PROVIDED TO THE APPROACH END OF GUARDRAIL AND/OR OTHER EXISTING OBSTRUCTION(S).

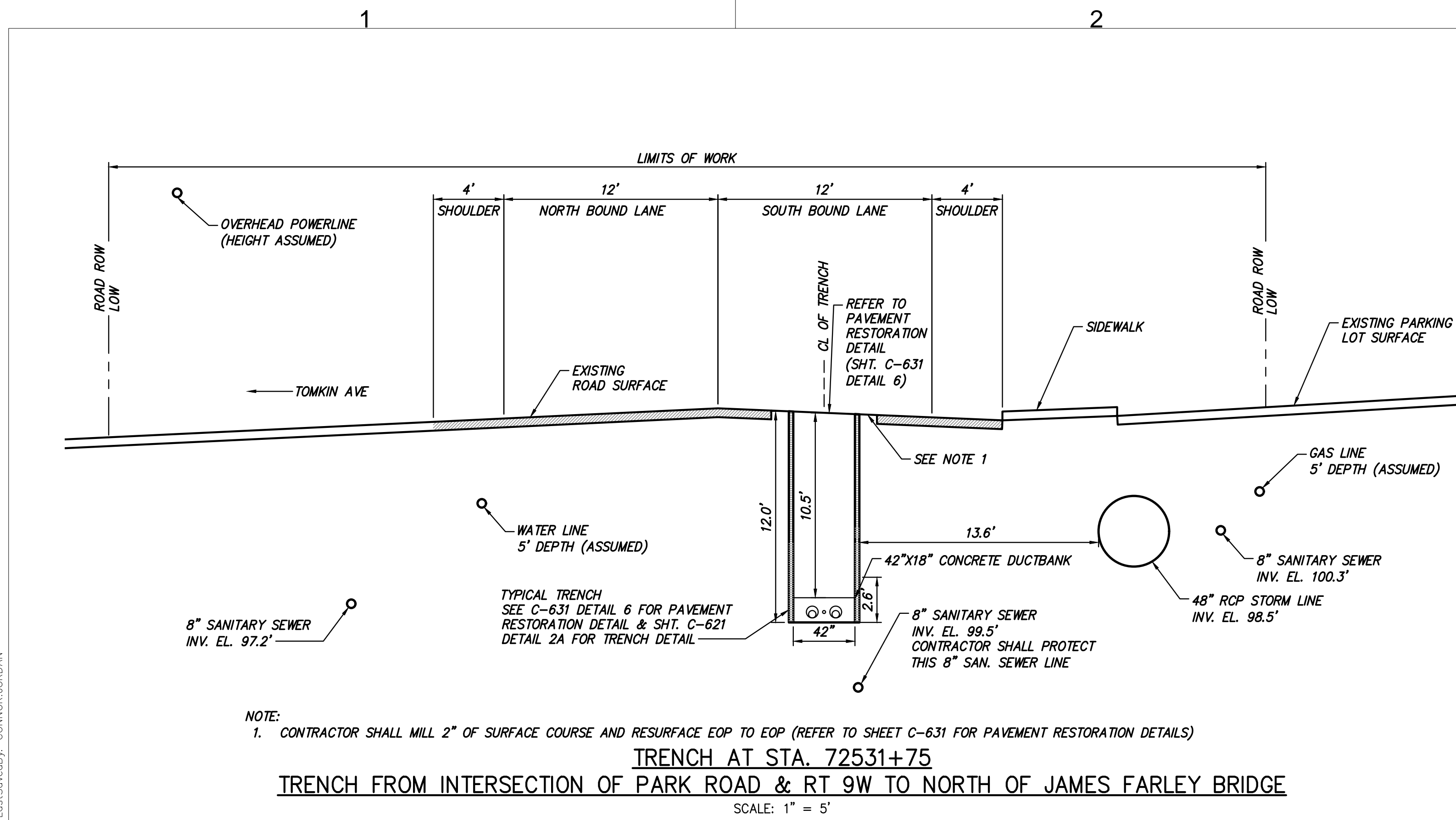
TRENCH AT STA. 72518+00
TRENCH FROM INTERSECTION OF PARK ROAD & RT 9W TO NORTH OF JAMES FARLEY BRIDGE
SCALE: 1" = 5'

NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

SPLICE VAULT 245 AT STA. 72527+50
SCALE: 1" = 5'

| | PROJECT NO.: 21162 | PROJECT NO.: 204-3701 | ALTERED ON: | AFFIXED ON: 12/22/2023 | | <p>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.</p> | <table border="1"> <tr> <td>1</td> <td>12/22/2023</td> <td>NDC-0022: PARK ROAD ALIGNMENT SHIFT</td> <td>WJ</td> <td>JL</td> </tr> <tr> <td>0</td> <td>07/20/2023</td> <td>ISSUED FOR CONSTRUCTION SUBMISSION</td> <td>WJ</td> <td>JL</td> </tr> <tr> <th>No.</th> <th>DATE</th> <th>SUBMITTAL / REVISION DESCRIPTION</th> <th>DB</th> <th>APP</th> </tr> </table> | 1 | 12/22/2023 | NDC-0022: PARK ROAD ALIGNMENT SHIFT | WJ | JL | 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | WJ | JL | No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP | <p>CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND ROAD SECTION EXHIBIT STA. 72506+50 TO STA. 72527+50</p> | PERMIT DRAWING NO. |
|--|---------------------------------------|--|--|---|--------------------|--|---|----|------------|-------------------------------------|----|----|---|------------|------------------------------------|----|----|-----|------|----------------------------------|----|-----|---|--------------------|
| | 1 | 12/22/2023 | NDC-0022: PARK ROAD ALIGNMENT SHIFT | WJ | | | | JL | | | | | | | | | | | | | | | | |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | WJ | JL | | | | | | | | | | | | | | | | | | | | |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP | | | | | | | | | | | | | | | | | | | | |
| | | | <p>AS SHOWN DATE: 07/20/2023</p> | <p>N/A</p> | | | | | | | | | | | | | | | | | | | | |
| <p>TETRA TECH ENGINEERING AND SURVEYING P.C. (A NEW YORK PROFESSIONAL CORPORATION)</p> | <p>CHAMPLAIN HUDSON POWER EXPRESS</p> | <p>STATE OF NEW YORK Julian T. LeBlond 12/22/2023 LICENSED PROFESSIONAL ENGINEER</p> | <p>SCALE AS SHOWN DATE: 07/20/2023</p> | <p>DRAWN BY: WJ DESIGNED BY: AC APPROVED BY: JL</p> | <p>DRAWING NO.</p> | | | | | | | | | | | | | | | | | | | |
| | | | | | | | <p>C-1002</p> | | | | | | | | | | | | | | | | | |

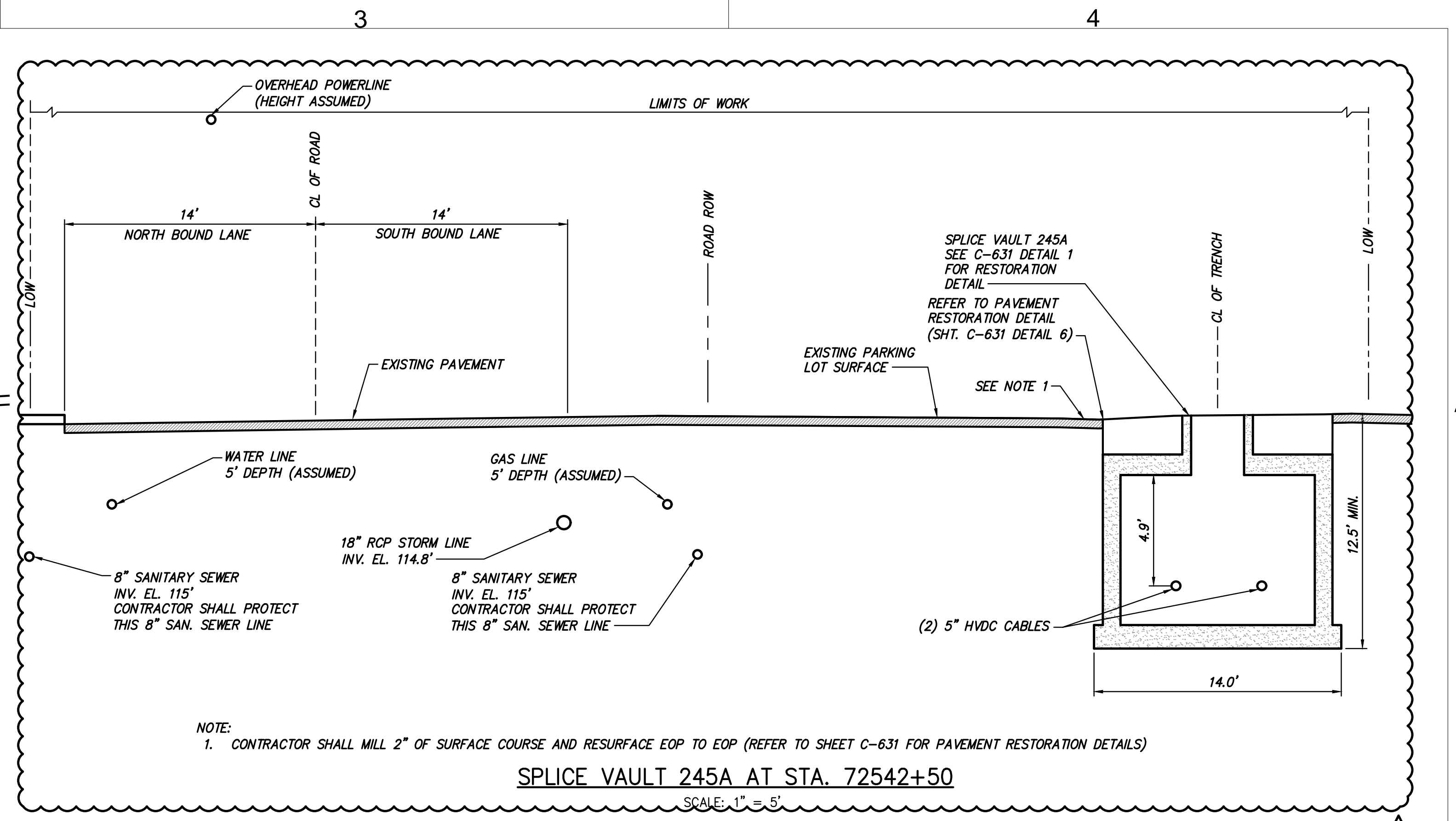
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NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

TRENCH AT STA. 72531+75
TRENCH FROM INTERSECTION OF PARK ROAD & RT 9W TO NORTH OF JAMES FARLEY BRIDGE

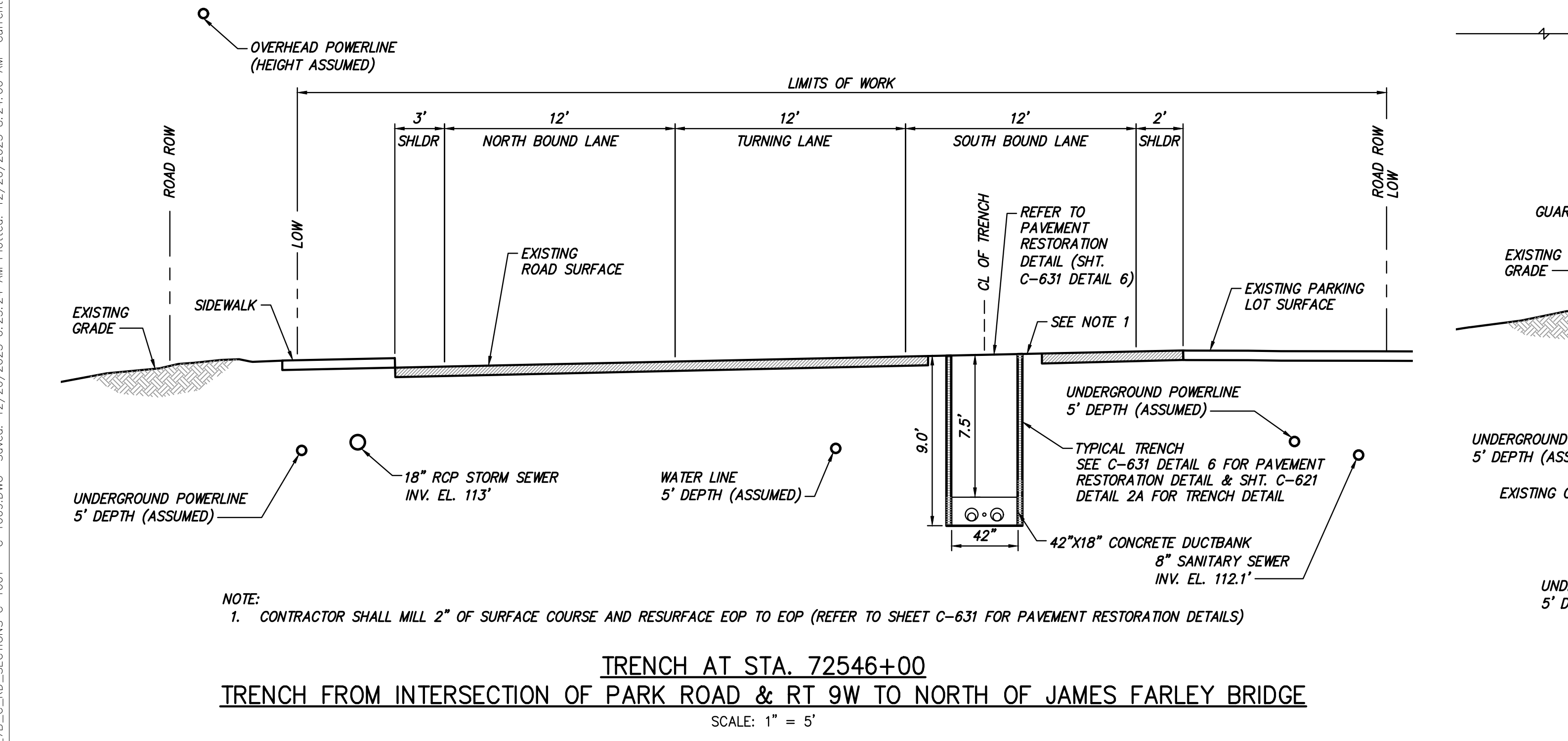
SCALE: 1" = 5'



NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

SPLICE VAULT 245A AT STA. 72542+50

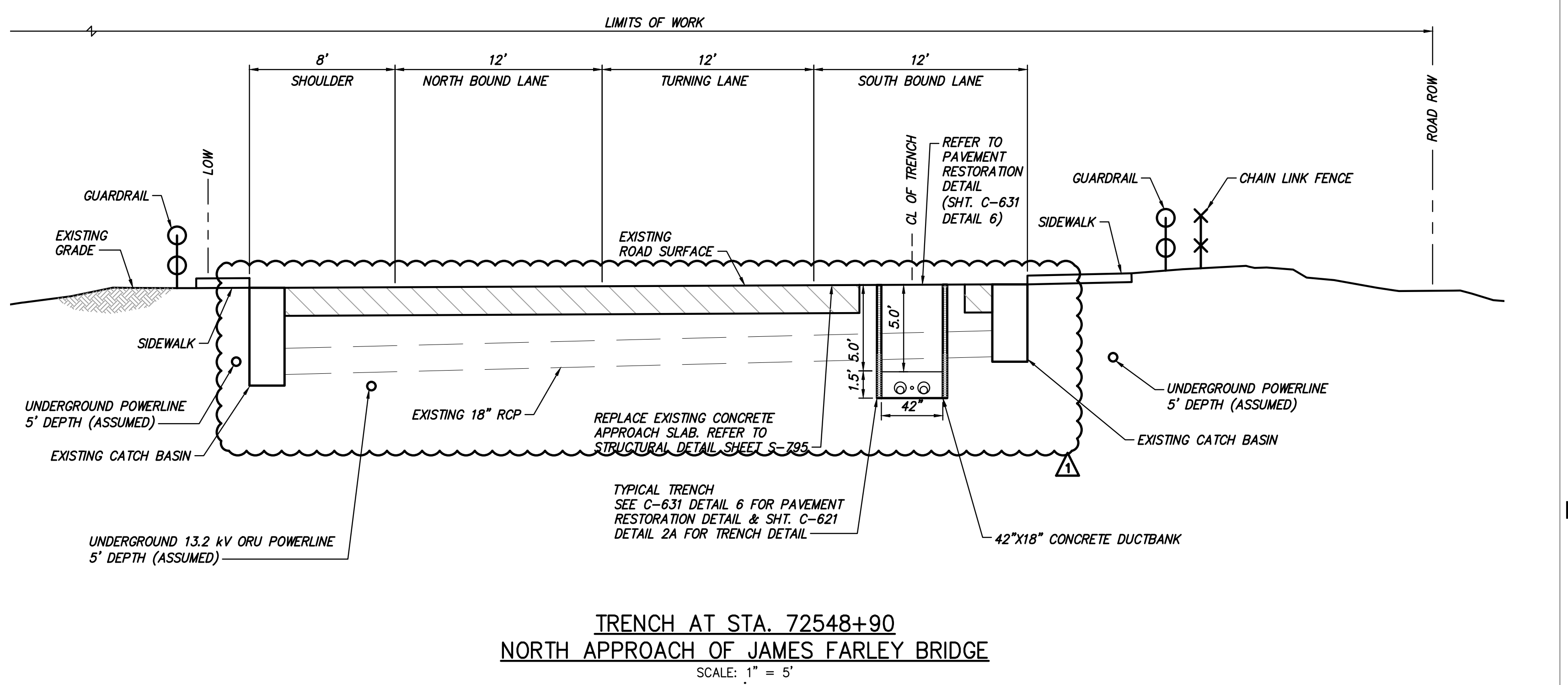
SCALE: 1" = 5'



NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

TRENCH AT STA. 72546+00
TRENCH FROM INTERSECTION OF PARK ROAD & RT 9W TO NORTH OF JAMES FARLEY BRIDGE

SCALE: 1" = 5'



TRENCH AT STA. 72548+90
NORTH APPROACH OF JAMES FARLEY BRIDGE

SCALE: 1" = 5'



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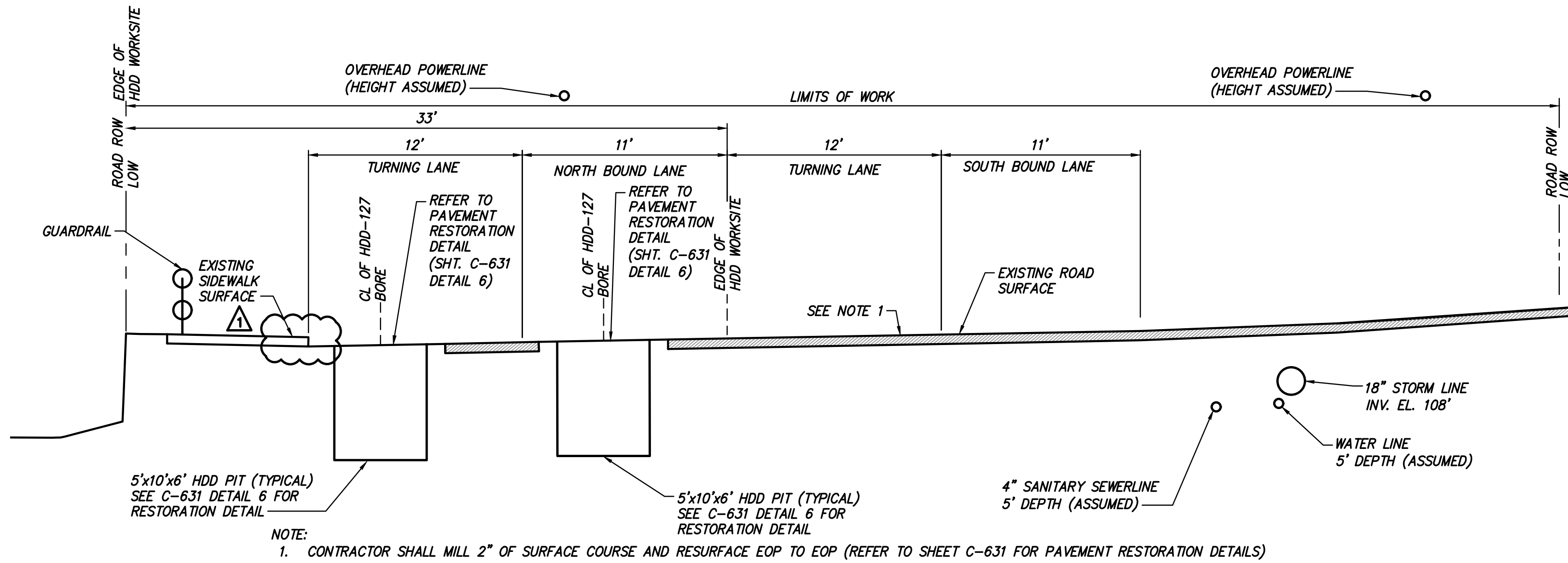
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|-----|------------|--|----|-----|
| 1 | 12/22/2023 | NDC-0030: UPDATE CATCH BASIN BASED ON SURVEY | WJ | JL |
| 1 | 12/22/2023 | NDC-0021: SV-245A RELOCATION | WJ | JL |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | WJ | JL |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
ROAD SECTION EXHIBIT
STA. 72531+75 TO STA. 72548+90

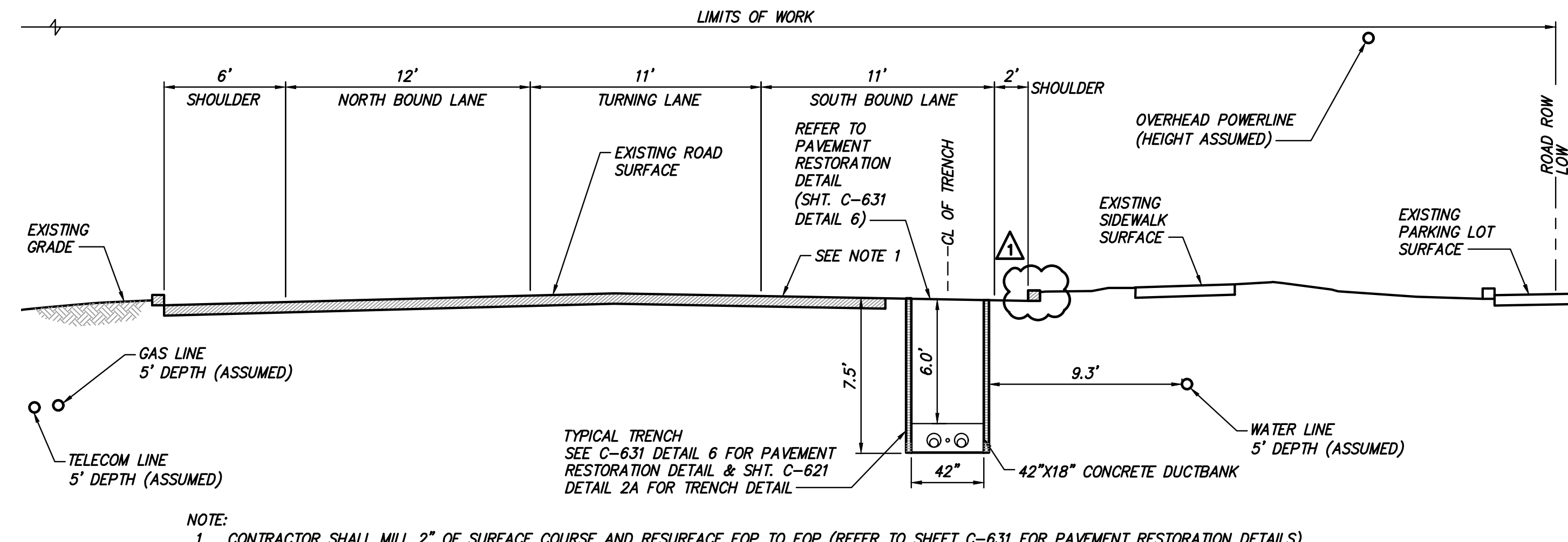
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SCALE: AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. C-1003

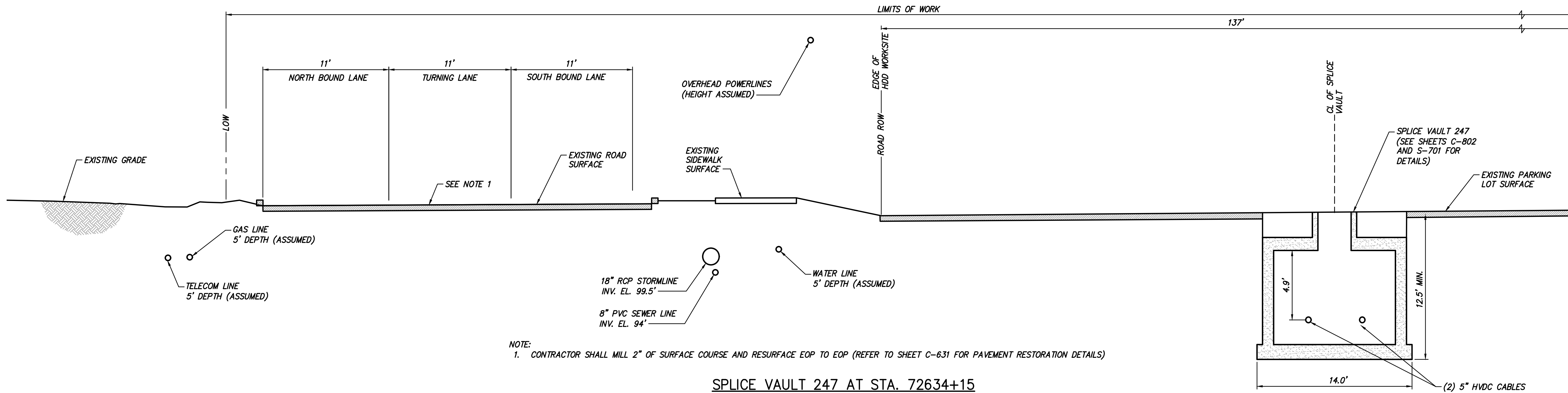
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HDD 127 EXIT PIT AT STA. 72625+45
TRENCH FROM EXIT PIT OF HDD-127 TO ENTRY PIT OF HDD-129
 SCALE: 1" = 5'



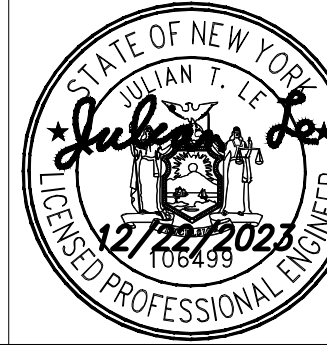
TRENCH AT STA. 72628+50
TRENCH FROM EXIT PIT OF HDD-127 TO ENTRY PIT OF HDD-129
 SCALE: 1" = 5'



SPLICE VAULT 247 AT STA. 72634+15
 SCALE: 1" = 5'



TETRA TECH ENGINEERING AND SURVEYING P.C.
 (A NEW YORK PROFESSIONAL CORPORATION)



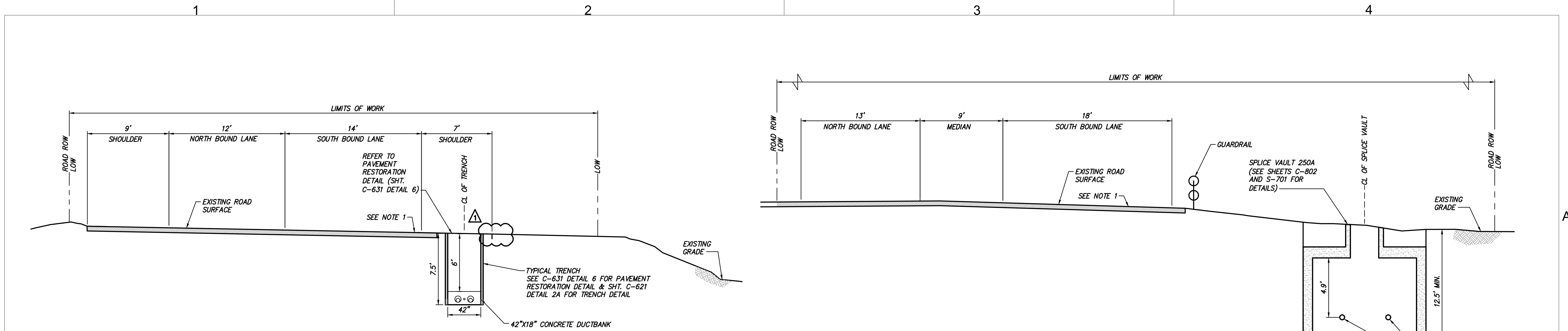
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|--|----|-----|
| 1 | 12/22/2023 | NDC-0030; REVISED PER NYS DOT COMMENTS | WJ | JL |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | WJ | JL |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
 ROAD SECTION EXHIBIT
 STA. 72625+45 TO STA. 72634+15

DRAWN BY: WJ DESIGNED BY: AC APPROVED BY: JL SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**
 DRAWING NO. **C-1007**

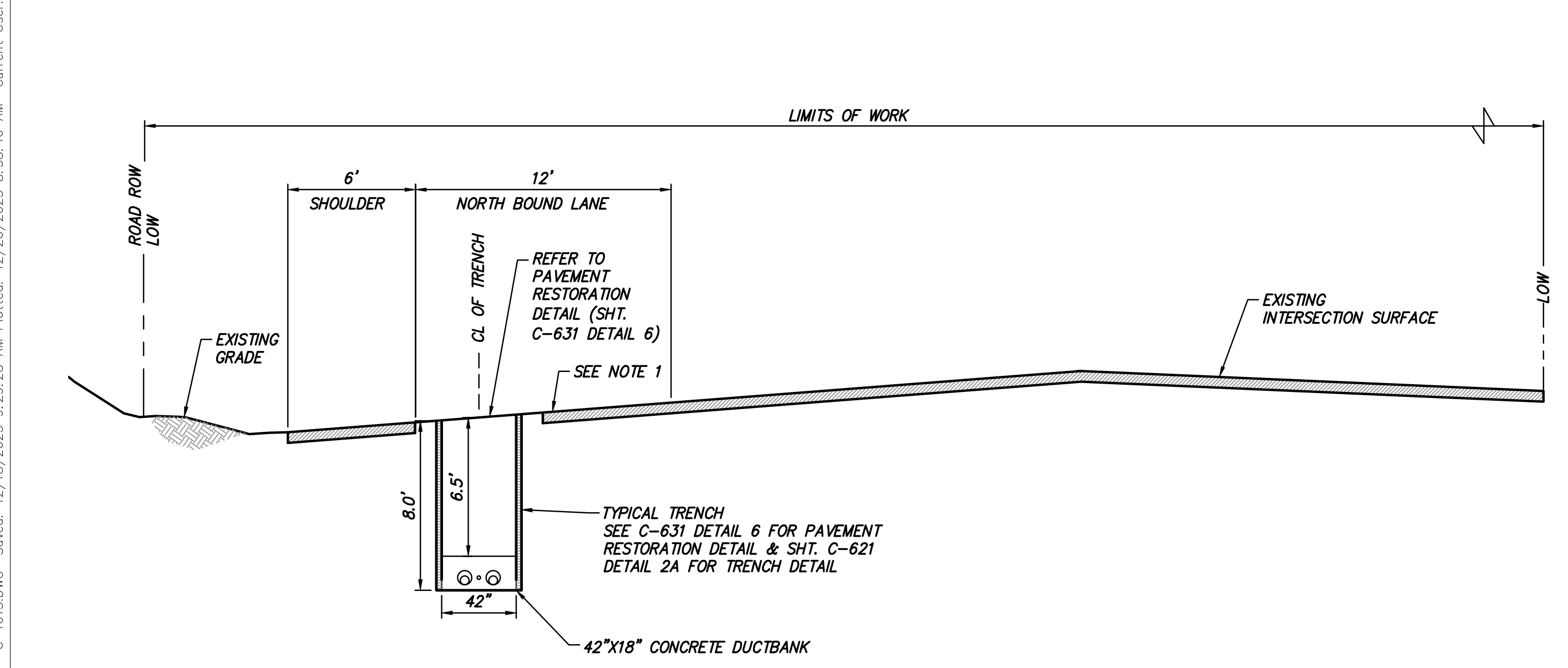


NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

NOTE:
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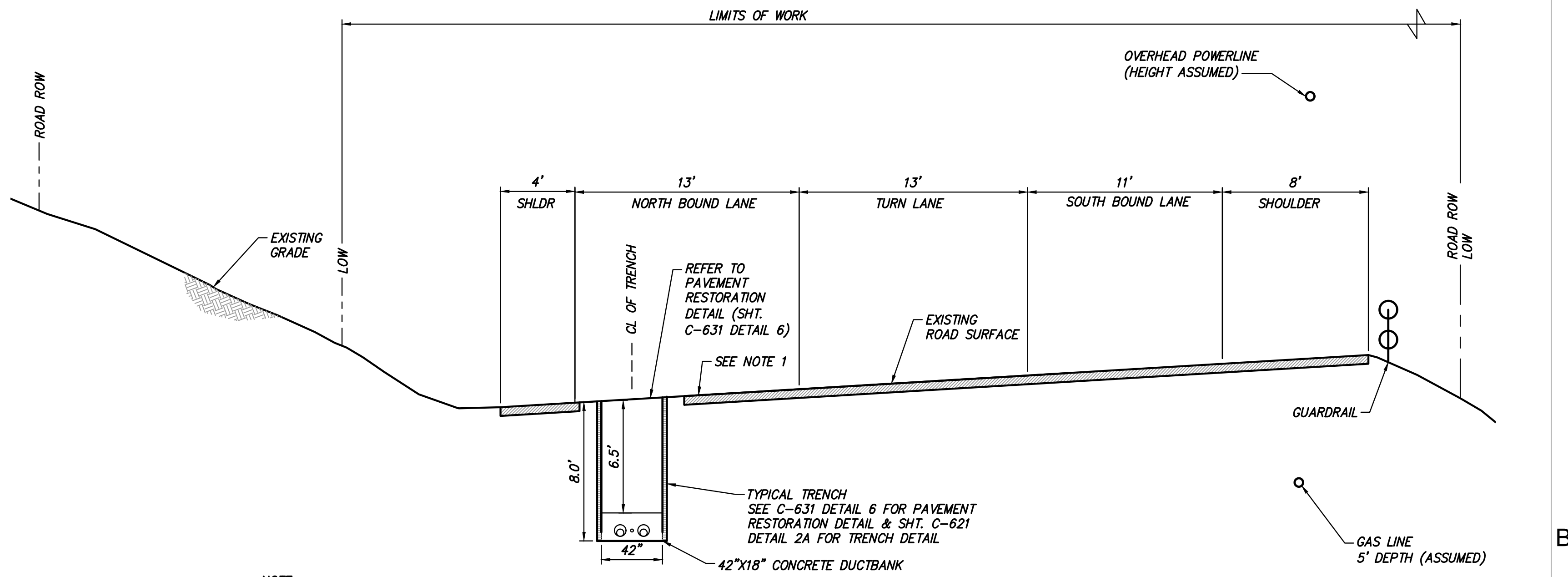
TRENCH AT STA. 72808+80
TRENCH FROM INT. OF RT 9W & SHORT CLOVE ROAD TO INT. OF RT 9W AND RT 304
SCALE: 1" = 5'

SPLICE VAULT 250A AT STA. 72810+70
SCALE: 1" = 5'



NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

TRENCH AT STA. 72815+30
TRENCH FROM INT. OF RT 9W & SHORT CLOVE ROAD TO INT. OF RT 9W AND RT 304
SCALE: 1" = 5'



NOTE:
1. CONTRACTOR SHALL MILL 2" OF SURFACE COURSE AND RESURFACE EOP TO EOP (REFER TO SHEET C-631 FOR PAVEMENT RESTORATION DETAILS)

TRENCH AT STA. 72820+30
TRENCH FROM INTERSECTION OF RT 9W AND RT 304 TO INTERSECTION WITH RT 303
SCALE: 1" = 5'

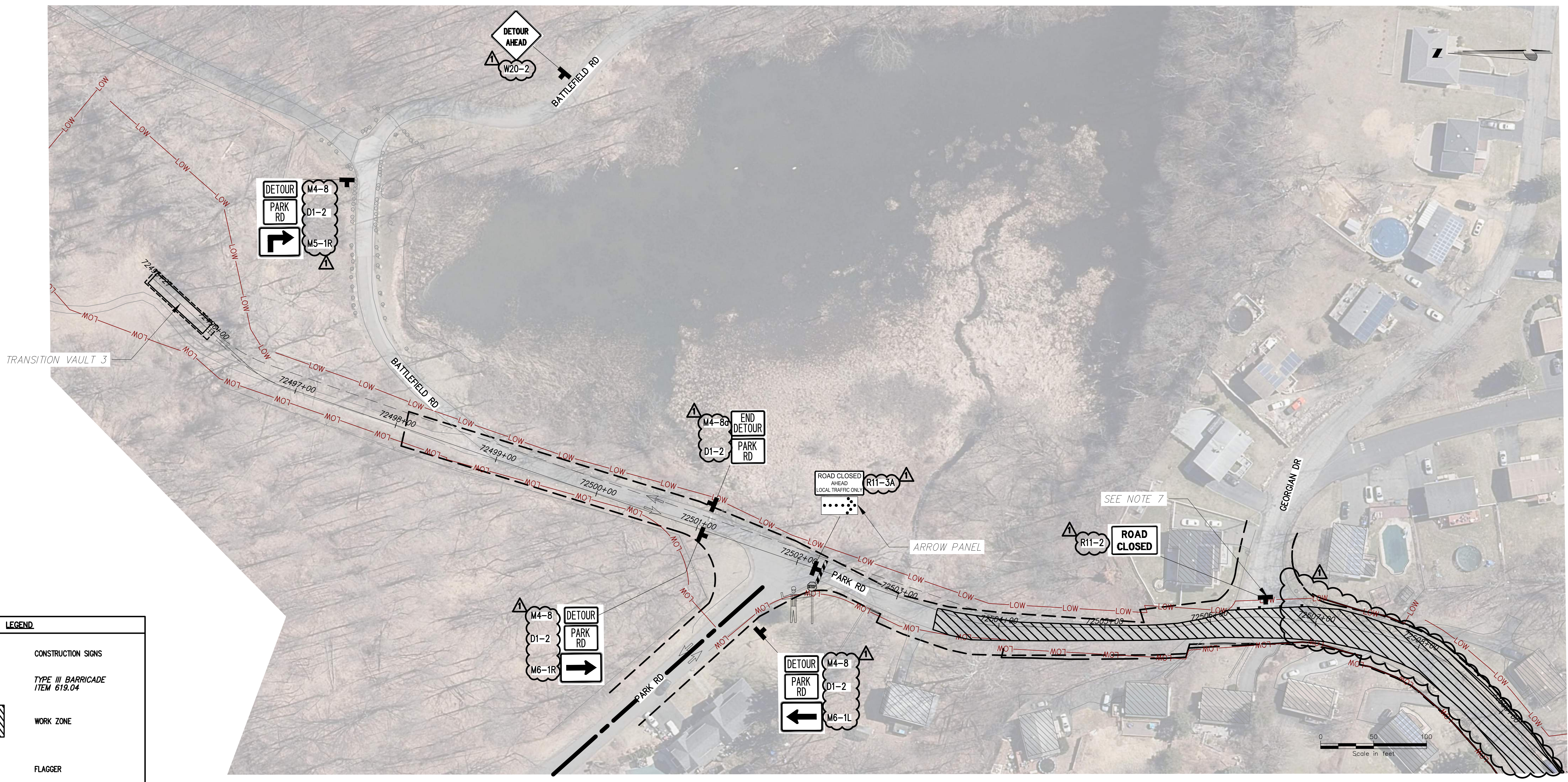
| | | | | | | | | | | | | | | |
|--|--------------------|-----------------------|-------------|------------------------|--|--|--|--|--|--|--|---|---|--|
| | PROJECT NO.: 21162 | PROJECT NO.: 204-3701 | ALTERED ON: | AFFIXED ON: 12/22/2023 | | <p>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.</p> | | | | | | <p>CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND ROAD SECTION EXHIBIT STA. 72808+80 TO STA. 72820+30</p> | PERMIT DRAWING NO. N/A | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | DRAWN BY: WJ DESIGNED BY: AC APPROVED BY: JL SCALE: AS SHOWN DATE: 07/20/2023 | |

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CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Maintenance And Protection of Traffic Plans



STAGE 10 NORTH (OPEN TRENCH) PLAN VIEW
SCALE: 1" = 50'

LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.07010001
- DETOUR ROUTE
- ARROW PANEL

- NOTES:**
1. POSTED SPEED LIMIT ON PARK RD = 20 MPH
 2. FOR FULL STAGE 10 DETOUR PLANS SEE DWG. NO. 0-402
 3. FOR HDD 124 WORK ZONE SEE DWG. NO. 0-701
 4. CONTRACTOR SHALL COORDINATE AND PROVIDE ACCESS TO ALL LOCAL BUSINESS AND RESIDENCE THROUGH OUT THE WORK ZONE.
 5. REFER NYS DOT STANDARD SHEETS 619-503 FOR ADDITIONAL REQUIREMENTS ON CHANNELIZING DEVICES, WARNING SIGNS, BUFFER SPACE, PROTECTIVE VEHICLE REQUIREMENTS, ETC.
 6. FLAGGERS REQUIRED ONLY DURING WORK HOURS TO FACILITATE LOCAL TRAFFIC THROUGH THE WORK ZONE. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED.
 7. GEORGIAN DRIVE TO BE CLOSED FROM STA. 72502+50 TO 72507+50 WHILE TRENCHING. AFTER IT MAY BE OPEN TO TRAFFIC GOING NORTH.



PROJECT NO.: 21162

PROJECT NO.: 120174

ALTERED ON:

AFFIXED ON: 12/22/2023

Engineering and Land Surveying, P.C.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|--|----|-----|
| 1 | 12/22/2023 | NDC-0022: PARK RD REALIGNMENT AT VEOLIA WATER LINE | MS | SB |
| 1 | 12/22/2023 | NDC-0030: NYS DOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND

WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 10 NORTH INTERSECTION

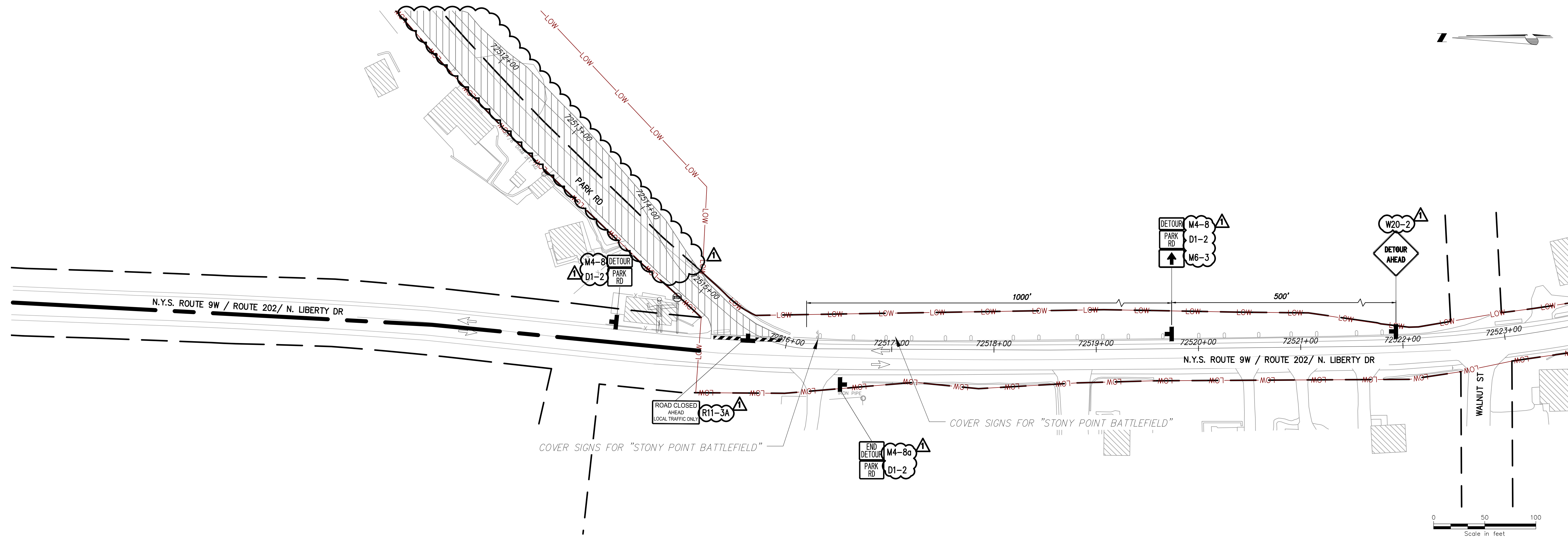
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SCALE AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**

DRAWING NO. **O-601**

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STAGE 10 SOUTH PLAN VIEW
SCALE: 1" = 50'

LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE
ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE
ITEM 619.0710001
- DETOUR ROUTE

- NOTES:
1. POSTED SPEED LIMIT ON ROUTE 9W = 35 MPH
 2. FOR STAGE 10 DETOUR PLANS SEE DWG. NO. 0-402
 3. CONTRACTOR SHALL PROVIDE ACCESS TO ALL LOCAL BUSINESS AND RESIDENCE THROUGH OUT THE WORK ZONE.
 4. REFER TO NYSDOT STANDARD SHEETS 619-503 FOR ADDITIONAL REQUIREMENTS ON SIDEWALK CLOSURES, CHANNELIZING DEVICES, WARNING SIGNS, BUFFER SPACE, PROTECTIVE VEHICLE REQUIREMENTS, ETC.
 5. FLAGGERS REQUIRED ONLY DURING WORK HOURS TO FACILITATE LOCAL TRAFFIC THROUGH THE WORK ZONE. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED.



PROJECT NO.: 21162

PROJECT NO.: 120174

ALTERED ON:

AFFIXED ON: 12/22/2023

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| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND

WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 10 SOUTH INTERSECTION

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO.
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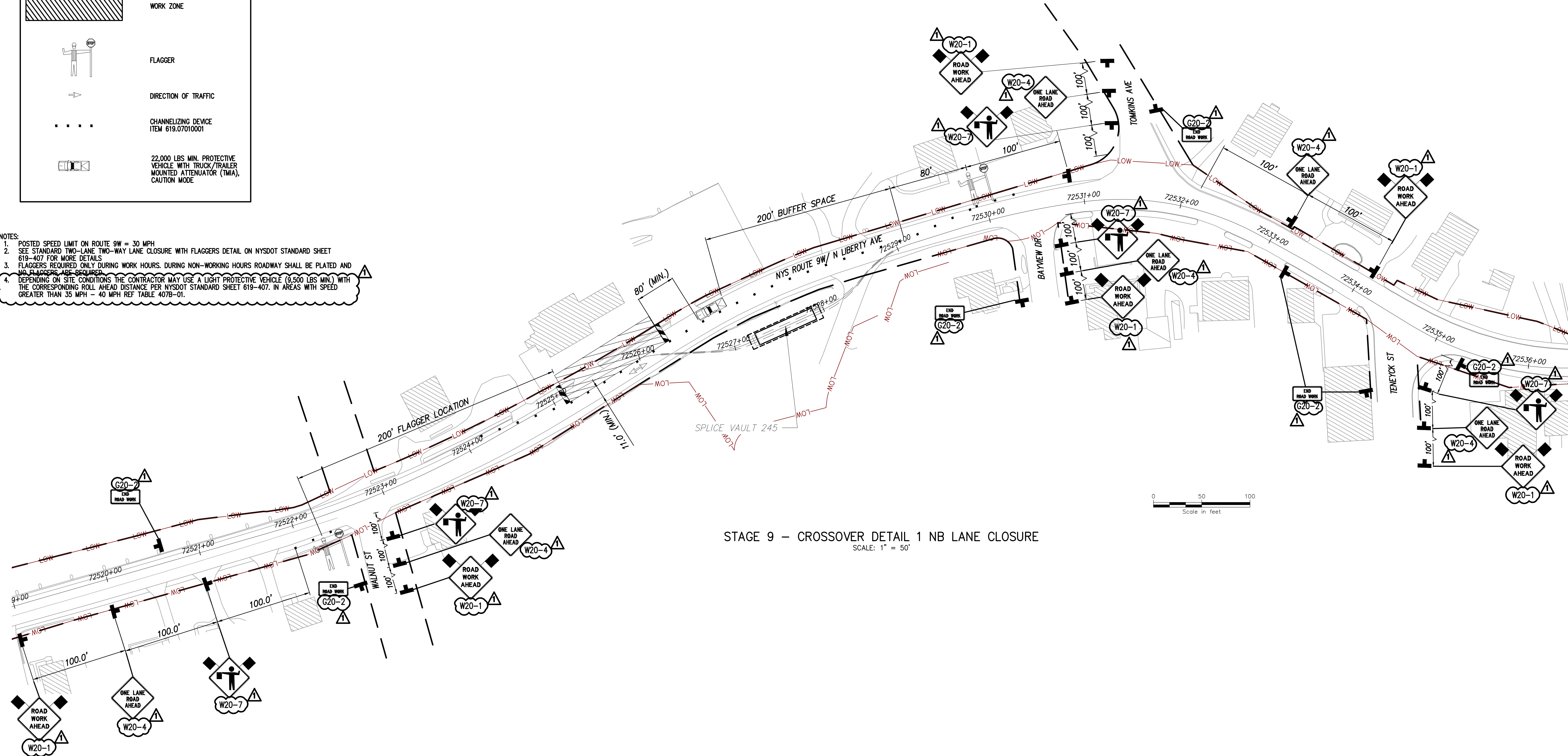
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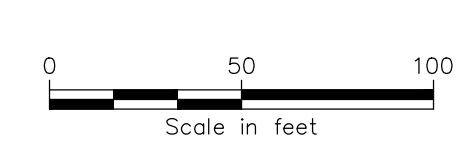
LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.0710001
- 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMA), CAUTION MODE

- NOTES:**
1. POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
 2. SEE STANDARD TWO-LANE TWO-WAY LANE CLOSURE WITH FLAGGERS DETAIL ON NYS DOT STANDARD SHEET 619-407 FOR MORE DETAILS
 3. FLAGGERS REQUIRED ONLY DURING WORK HOURS. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED
 4. DEPENDING ON SITE CONDITIONS THE CONTRACTOR MAY USE A LIGHT PROTECTIVE VEHICLE (9,500 LBS MIN.) WITH THE CORRESPONDING ROLL AHEAD DISTANCE PER NYS DOT STANDARD SHEET 619-407. IN AREAS WITH SPEED GREATER THAN 35 MPH = 40 MPH REF TABLE 407B-01.



STAGE 9 - CROSSOVER DETAIL 1 NB LANE CLOSURE
SCALE: 1" = 50'



PROJECT NO.: 21162

PROJECT NO.: 120174

ALTERED ON:

AFFIXED ON: 12/22/2023

Engineering and Land Surveying, P.C.

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| 1 | 12/22/2023 | NDC-0030: NYS DOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 9 CROSSOVER DETAIL 1
SHEET 1 OF 2

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**

DRAWING NO. **O-604**

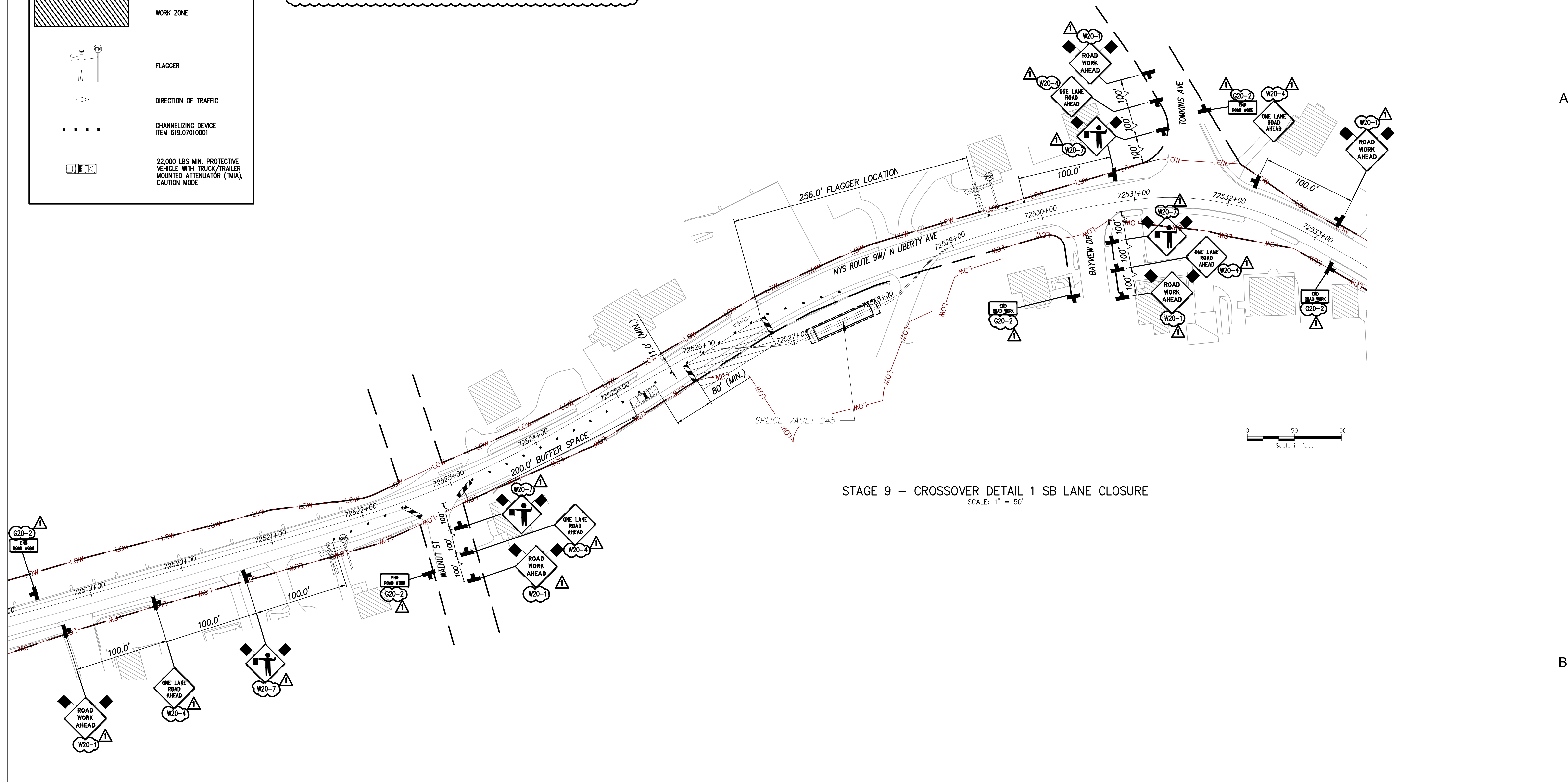
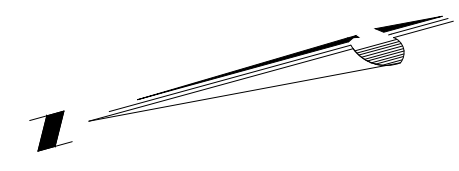
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LEGEND

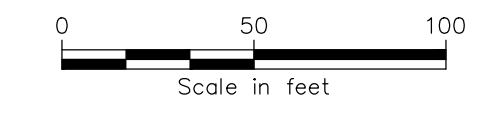
- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.07010001
- 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMIA), CAUTION MODE

NOTES:

1. POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
2. SEE STANDARD TWO-LANE TWO-WAY LANE CLOSURE WITH FLAGGERS DETAIL ON NYS DOT STANDARD SHEET 619-407 FOR MORE DETAILS
3. FLAGGERS REQUIRED ONLY DURING WORK HOURS. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED
4. DEPENDING ON SITE CONDITIONS THE CONTRACTOR MAY USE A LIGHT PROTECTIVE VEHICLE (9,500 LBS MIN.) WITH THE CORRESPONDING ROLL AHEAD DISTANCE PER NYS DOT STANDARD SHEET 619-407. IN AREAS WITH SPEED GREATER THAN 35 MPH - 40 MPH REF TABLE 407B-01.



STAGE 9 - CROSSOVER DETAIL 1 SB LANE CLOSURE
SCALE: 1" = 50'



PROJECT NO.: 21162

Kiewit Engineering and Land Surveying, P.C.



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| 1 | 12/22/2023 | NDC-0030: NYS DOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 9 CROSSOVER DETAIL 1
SHEET 2 OF 2

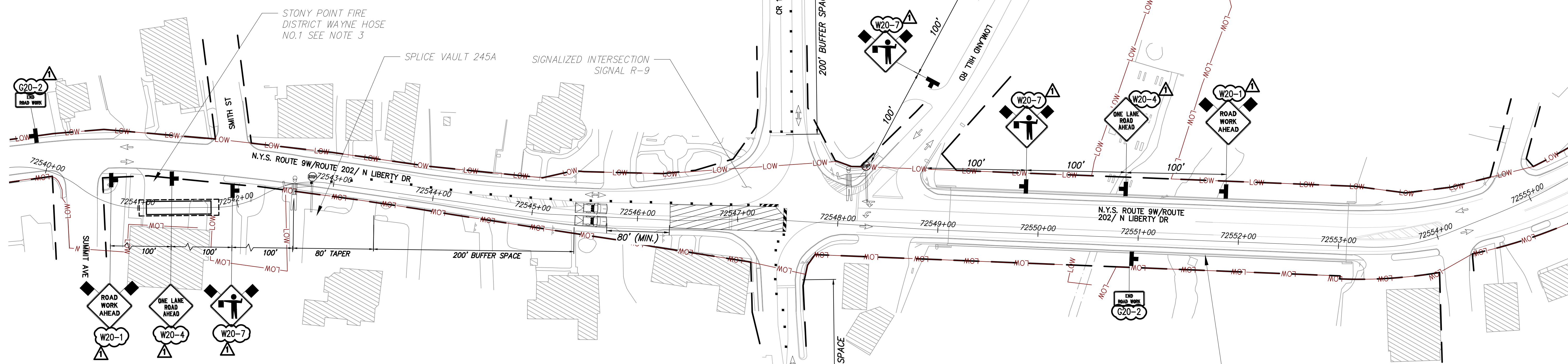
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PERMIT DRAWING NO. **N/A**

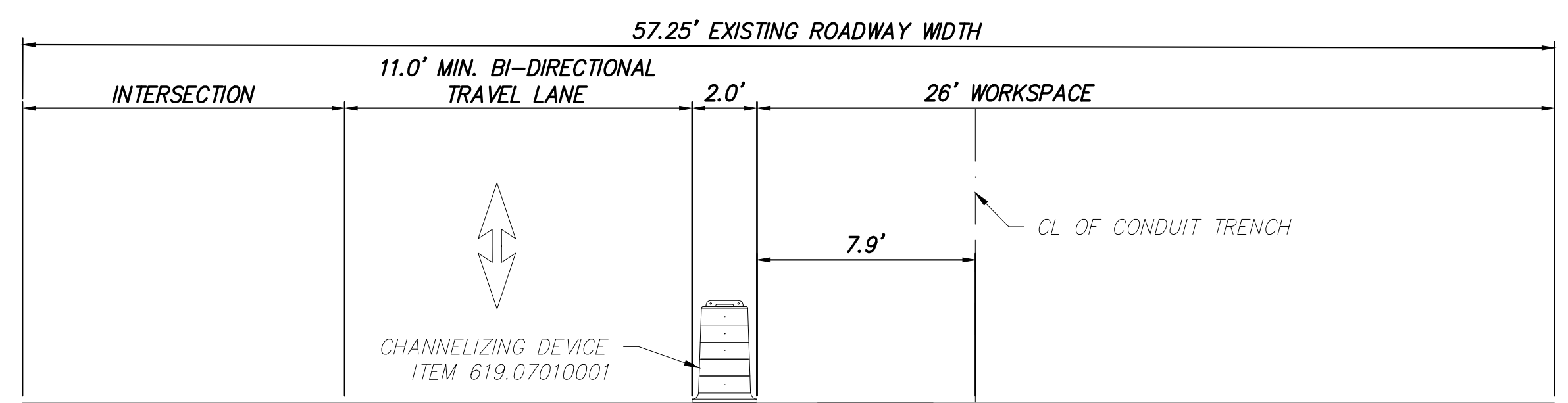
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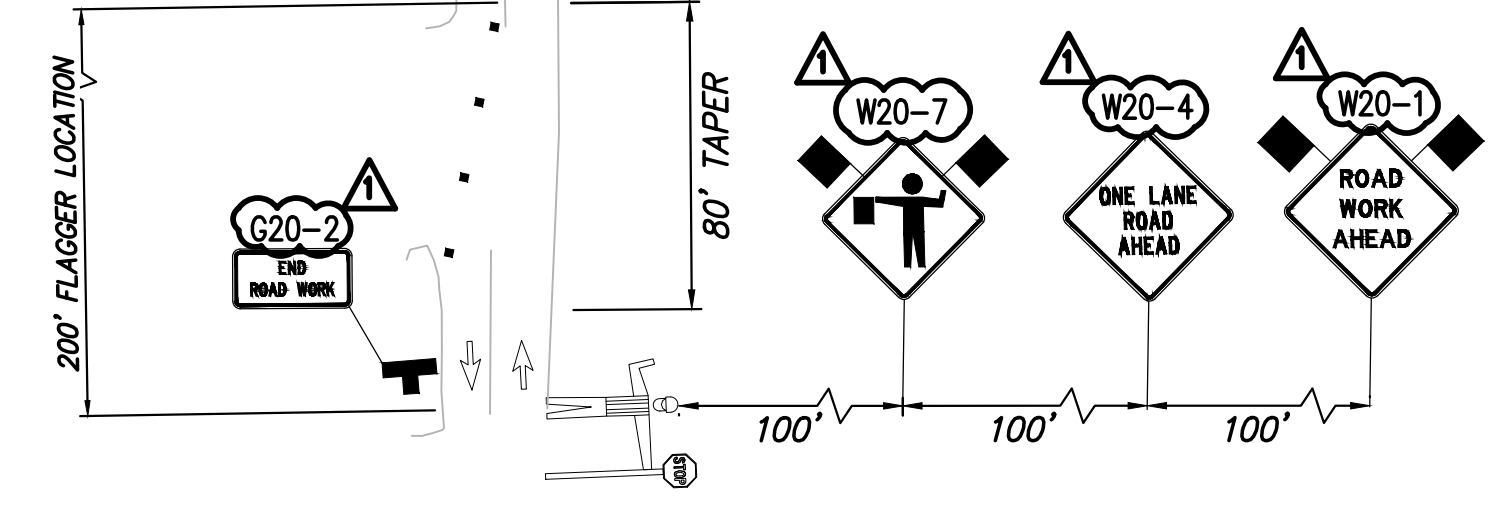
- NOTES:**
1. POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
 2. REFER TO NYSDOT STANDARD SHEETS 619-421 FOR ADDITIONAL REQUIREMENTS ON SIDEWALK CLOSURES, CHANNELIZING DEVICES, WARNING SIGNS, BUFFER SPACE, PROTECTIVE VEHICLE REQUIREMENTS, ETC.
 3. MAINTAIN ACCESS TO FIRE STATION AT ALL TIMES, KEEP PLATES ON SITE TO FACILITATE VEHICLES ENTERING AND EXITING.
 4. FLAGGERS REQUIRED ONLY DURING WORK HOURS. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED.
 5. DEPENDING ON SITE CONDITIONS THE CONTRACTOR MAY USE A LIGHT PROTECTIVE VEHICLE (9,500 LBS MIN.) WITH THE CORRESPONDING ROLL AHEAD DISTANCE PER NYSDOT STANDARD SHEET 619-421. IN AREAS WITH SPEED GREATER THAN 35 MPH - 40 MPH REF TABLE 011-04 FROM NYSDOT STANDARD SHEET 619-011.



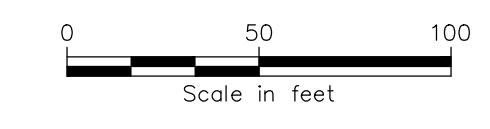
SEE DWG. NO. 0-608 & 0-609 FOR JAMES A. FARLEY MEMORIAL BRIDGE WORKZONE DETAILS



TYPICAL SECTION ROUTE 9W (LOOKING NORTH)
STA. 72546+80

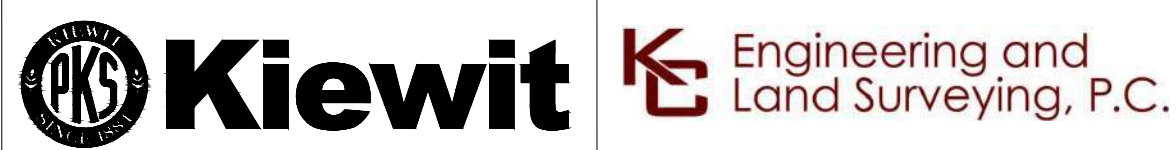


STAGE 9 SOUTH PLAN VIEW
SCALE: 1" = 50'



| LEGEND | |
|--------|--|
| | CONSTRUCTION SIGNS |
| | TYPE III BARRICADE ITEM 619.04 |
| | WORK ZONE |
| | FLAGGER |
| | DIRECTION OF TRAFFIC |
| | CHANNELIZING DEVICE ITEM 619.07010001 |
| | 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMA), CAUTION MODE |

PROJECT NO.: 21162 PROJECT NO.: 120174 ALTERED ON: AFFIXED ON: 12/22/2023



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| 1 | 12/22/2023 | NDC-0030: NYSDOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 9 SOUTH INTERSECTION DETAIL

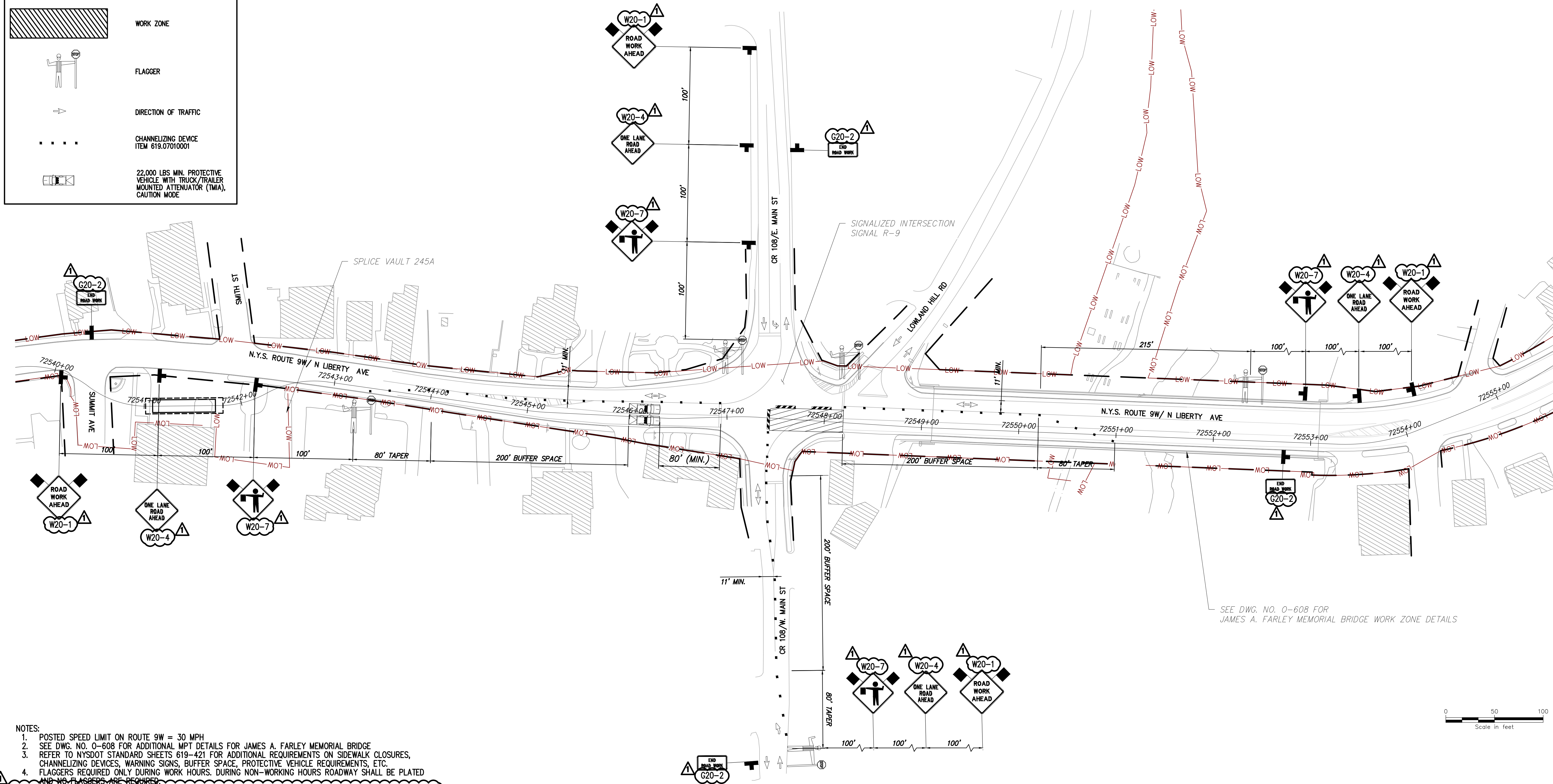
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DRAWING NO. **0-606**

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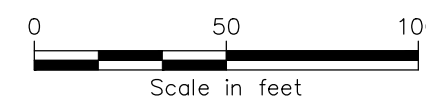
LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.0710001
- 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMA), CAUTION MODE



- NOTES:**
- POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
 - SEE DWG. NO. 0-608 FOR ADDITIONAL MPT DETAILS FOR JAMES A. FARLEY MEMORIAL BRIDGE
 - REFER TO NYSOT STANDARD SHEETS 619-421 FOR ADDITIONAL REQUIREMENTS ON SIDEWALK CLOSURES, CHANNELIZING DEVICES, WARNING SIGNS, BUFFER SPACE, PROTECTIVE VEHICLE REQUIREMENTS, ETC.
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STAGE 8 NORTH PLAN VIEW
SCALE: 1" = 50'



PROJECT NO.: 21162 PROJECT NO.: 120174

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| 1 | 12/22/2023 | NDC-0030: NYSOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

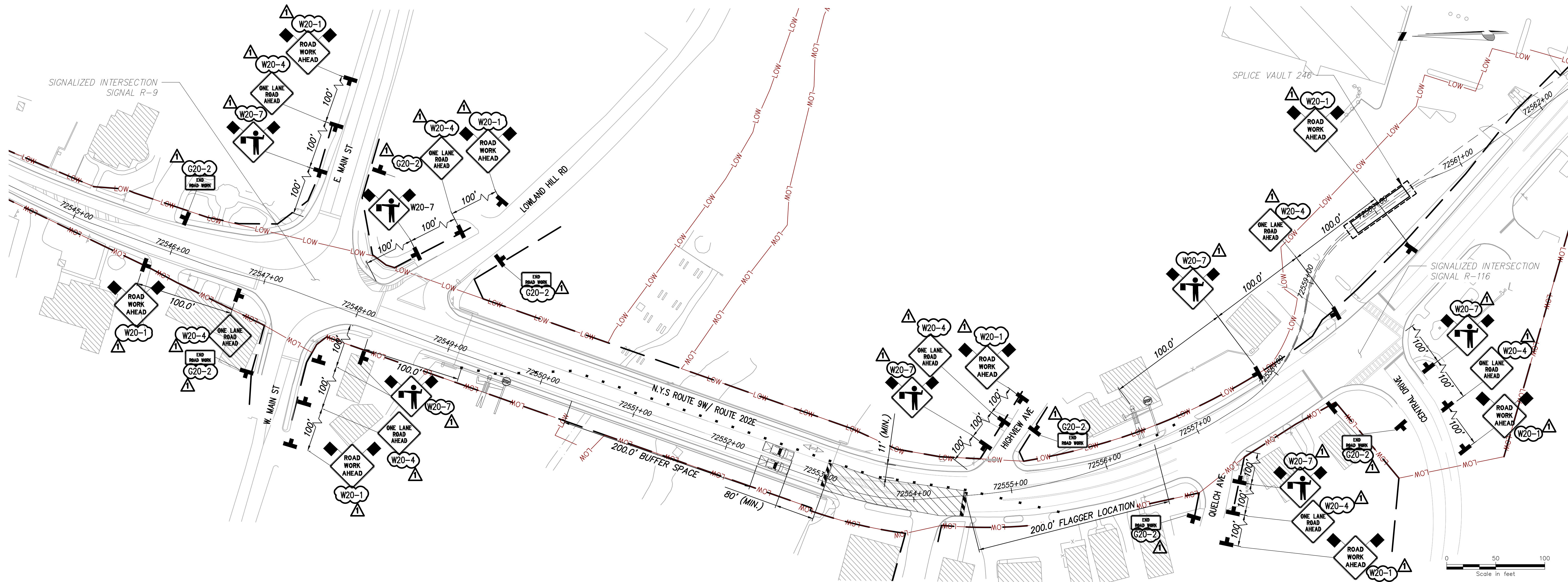
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 8 NORTH INTERSECTION DETAIL

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB
SCALE AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**

DRAWING NO. **O-607**

File: P:\20174-CHPE_CABLE_INSTALL-CHPE_CAD\20_ENGINEERING_CAD\20_TRAFFIC_SAFETY\01_KCE\SHEET_FILES\PACKAGE_7B_NY_TRAFFIC_SAFETY\01_KCE\SHEET_FILES\PACKAGE_7B_NY_TRAFFIC_SAFETY_LastSavedBy: msharma



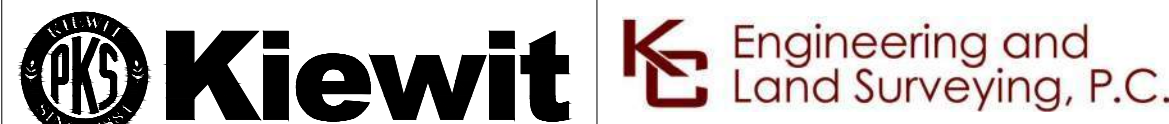
STAGE 8 – CROSSOVER DETAIL 2 SB LANE CLOSURE
SCALE: 1" = 50'

LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.0710001
- 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMA), CAUTION MODE

NOTES:

1. POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
2. SEE STANDARD TWO-LANE TWO-WAY LANE CLOSURE WITH FLAGGERS DETAIL ON NYSDOT STANDARD SHEET 619-407 FOR MORE DETAILS
3. FLAGGERS REQUIRED ONLY DURING WORK HOURS. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED.
4. DEPENDING ON SITE CONDITIONS THE CONTRACTOR MAY USE A LIGHT PROTECTIVE VEHICLE (9,500 LBS MIN.) WITH THE CORRESPONDING ROLL AHEAD DISTANCE PER NYSDOT STANDARD SHEET 619-407. IN AREAS WITH SPEED GREATER THAN 35 MPH - 40 MPH REF TABLE 407B-01.



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

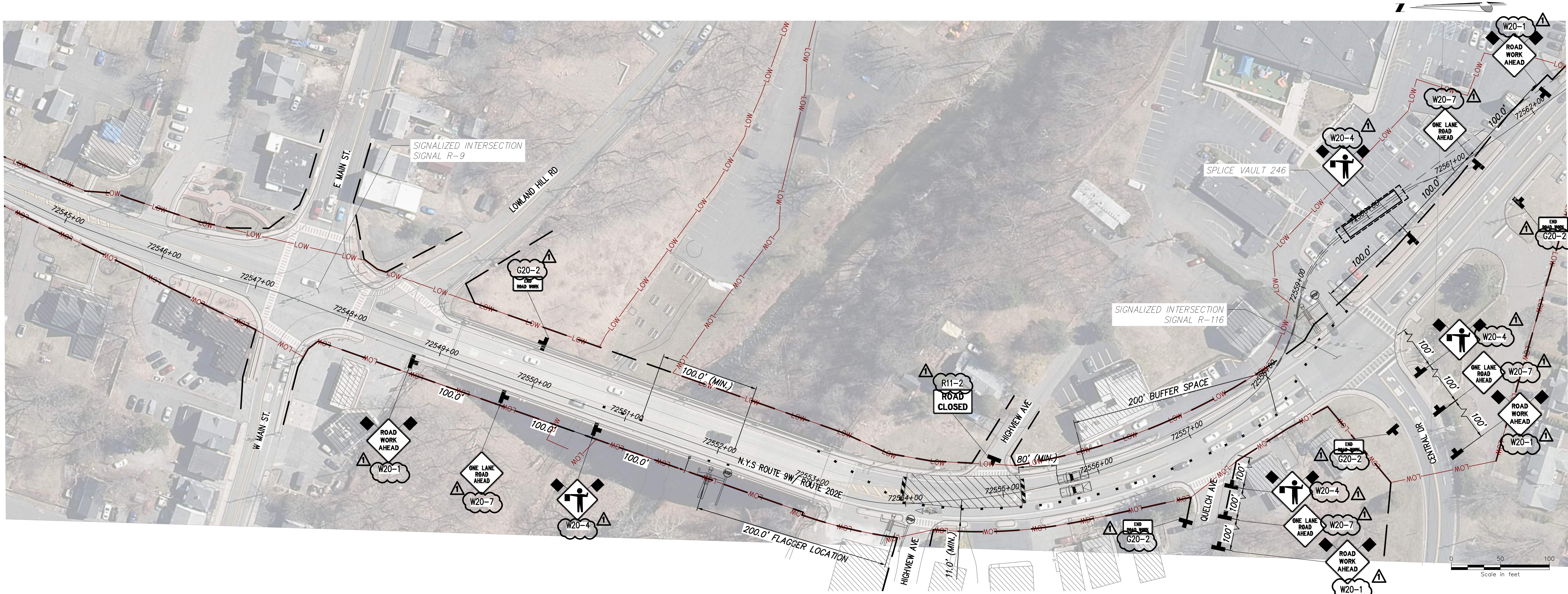
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |
|-----|------------|--------------------------------------|----|-----|
| 1 | 12/22/2023 | NDC-0030: NYSDOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 8 CROSSOVER DETAIL 2
SHEET 1 OF 2

PERMIT DRAWING NO.
N/A
DRAWING NO.
O-609

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB SCALE AS SHOWN DATE: 07/20/2023

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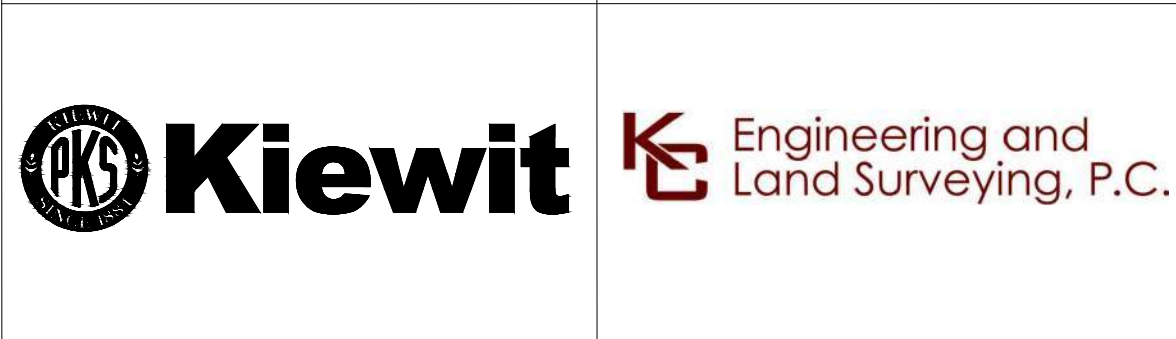
STAGE 8 - CROSSOVER DETAIL 2 NB LANE CLOSURE
SCALE: 1" = 50'

LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- FLAGGER
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.0710001
- 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMA), CAUTION MODE

NOTES:

- POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
- SEE NYSDOT STANDARD SHEET 619-407 FOR ADDITIONAL REQUIREMENTS
- FLAGGERS REQUIRED ONLY DURING WORK HOURS. DURING NON-WORKING HOURS ROADWAY SHALL BE PLATED AND NO FLAGGERS ARE REQUIRED
- DEPENDING ON SITE CONDITIONS THE CONTRACTOR MAY USE A LIGHT PROTECTIVE VEHICLE (9,500 LBS MIN.) WITH THE CORRESPONDING ROLL AHEAD DISTANCE PER NYSDOT STANDARD SHEET 619-407, IN AREAS WITH SPEED GREATER THAN 35 MPH - 40 MPH REF TABLE 407B-01.



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| 1 | 12/22/2023 | NDC-0030: NYSDOT R8 DIRECTED CHANGES | MS | SB |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB |

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND**

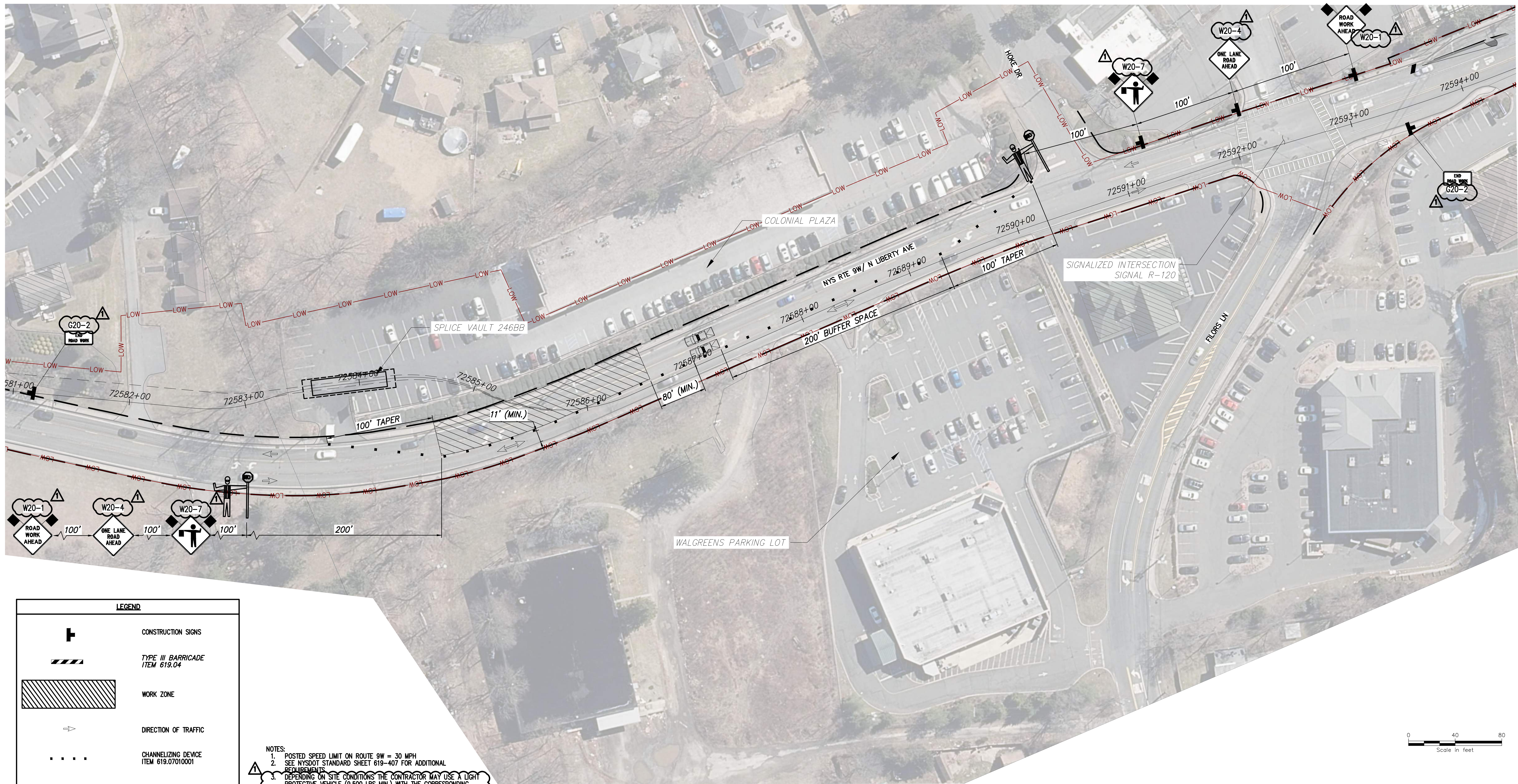
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 8 CROSSOVER DETAIL 2
SHEET 2 OF 2

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB
SCALE AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**

DRAWING NO. **0-610**

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LEGEND

- CONSTRUCTION SIGNS
- TYPE III BARRICADE ITEM 619.04
- WORK ZONE
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICE ITEM 619.07010001
- ARROW PANEL, CAUTION MODE
- 22,000 LBS MIN. PROTECTIVE VEHICLE WITH TRUCK/TRAILER MOUNTED ATTENUATOR (TMA), CAUTION MODE

NOTES:

- POSTED SPEED LIMIT ON ROUTE 9W = 30 MPH
- SEE NYSDOT STANDARD SHEET 619-407 FOR ADDITIONAL REQUIREMENTS
- DEPENDING ON SITE CONDITIONS THE CONTRACTOR MAY USE A LIGHT PROTECTIVE VEHICLE (9,500 LBS MIN.) WITH THE CORRESPONDING ROLL AHEAD DISTANCE PER NYSDOT STANDARD SHEET 619-407, IN AREAS WITH SPEED GREATER THAN 35 MPH - 40 MPH REF TABLE 407B-01.

STAGE 7 - CROSSOVER DETAIL 3 NB LANE CLOSURE
SCALE: 1" = 40'



PROJECT NO.: 21162

PROJECT NO.: 120174

ALTERED ON:

AFFIXED ON: 12/22/2023

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
WORK ZONE TRAFFIC CONTROL DETAILS
STAGE 7 CROSSOVER DETAIL 3
SHEET 1 OF 2

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| PERMIT DRAWING NO. | N/A |
| DRAWING NO. | 0-611 |

| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP | DRAWN BY: | DESIGNED BY: | APPROVED BY: | SCALE | AS SHOWN |
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| 1 | 12/22/2023 | NDC-0030: NYSDOT R8 DIRECTED CHANGES | MS | SB | | | | | |
| 0 | 07/20/2023 | ISSUED FOR CONSTRUCTION SUBMISSION | MS | SB | | | | | |

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB SCALE AS SHOWN DATE: 07/20/2023

File: P:\210174-CHPE_INSTALL-CABLE_FILES\ENGINEERING_CAD\20_ENGINEERING_CAD\20_ENGINEERING_CAD_FILES\PACKAGE_7B_NY_TRAFFIC_SAFETY\01_KCE\SHEET_FILES\21162_7B_0_611_CRO3.DWG Saved: 12/20/2023 2:19:47 PM Plotted: 12/20/2023 3:10:07 PM Current User: Manny Sharma LastSavedBy: msharma