<u>NOTES:</u>

- 1. ALL TRAFFIC CONTROL AND WORK AREA PROTECTIONS DEVICES SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, LATEST EDITION, EXCEPT AS NÓTED.
- 2. ALL TEMPORARY TRAFFIC CONTROL AND WORK AREA PROTECTION DEVICES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING WORK.
- 3. ALL MAINTENANCE AND PROTECTIONS OF TRAFFIC WORK SHALL CONFORM TO THE CONTRACT DRAWINGS. MAINTENANCE AND PROTECTION OF TRAFFIC SCHEMES SHOWN ON THE CONTRACT DRAWINGS SHALL NOT BE CHANGED BY THE CONTRACTOR WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- 4. THE TEMPORARY MAINTENANCE OF TRAFFIC AND WORK AREA PROTECTION DEVICE LOCATIONS SHOWN ON THE CONTRACT DRAWINGS ARE SCHEMATIC EXCEPT AS NOTED. LOCATION OF TRAFFIC CONTROL DEVICES MAY BE MODIFIED TO MEET FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 5. ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER. A SCHEDULE OF WORK SHALL BE SUBMITTED AT LEAST TWO WEEKS IN ADVANCE FOR APPROVAL BY THE ENGINEER.
- 6. THERE MAY BE ONGOING CONSTRUCTION CONTRACTS WITHIN THE VICINITY OF THE WORK AREA. DO NOT MOVE, MODIFY, OR RELOCATE ANY ITEM ASSOCIATED WITH THESE CONTRACTS WITHOUT PROPER APPROVAL OF AND COORDINATION WITH THE ENGINEER.
- 7. PERFORM WORK IN SUCH A MANNER AND SEQUENCE AS TO INTERFERE AS LITTLE AS POSSIBLE WITH THE PASSAGE OF VEHICLES, PEDESTRIANS, AND OTHER KINDS OF PUBLIC TRAFFIC.
- 8. ALL TEMPORARY MAINTENANCE OF TRAFFIC AND WORK AREA PROTECTION SIGN SUPPORTS AND MOUNTING SHALL BE IN CONFORMANCE WITH NYSDOT STANDARD SHEETS BOOK 3 619 AND STANDARD SPECIFICATIONS SECTION 619.
- 9. ALL CONSTRUCTION SIGNS SHALL BE COVERED WITH THICK PLASTIC WHEN THE WORK THEY ARE INTENDED FOR IS NOT IN PROGRESS.
- 10. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF THE WORK TO WHICH THEY APPLY, AND SHALL BE MAINTAINED BY THE CONTRACTOR THEREAFTER. THE DEVICES SHALL REMAIN IN PLACE AS LONG AS THEY ARE APPLICABLE.
- 11. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED AT ANY LOCATIONS WHERE THEY MAY OBSCURE OR INTERFERE WITH THE MOTORIST VIEW OF APPROACHING, MERGING, OF INTERSECTING TRAFFIC: OBSTRUCT OTHER TEMPORARY OR PERMANENT TRAFFIC CONTROL DEVICES WHICH ARE STILL APPLICABLE TO ROADWAY CONDITIONS; MISLEAD OR MISDIRECT MOTORISTS, OR ARE BLOCKED BY OTHER TEMPORARY OR PERMANENT OBJECTS.
- 12. ALL EXISTING ROADWAY ITEMS SUCH AS GUIDE RAILS, PAVEMENT MARKINGS, CURBS, SIGNALS AND SIGNS DAMAGED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST.
- 13. TRAFFIC LANES AND OTHER AREAS CLOSED BY THE CONTRACTOR DURING PERMITTED WORK HOURS SHALL BE CLEARED OF ALL MATERIAL, EQUIPMENT, AND DEBRIS, AND SAFELY REOPENED TO TRAFFIC BY THE END OF THE WORK PERIOD UNLESS OTHERWISE INDICATED ON THE CONTRACT DRAWINGS.
- 14. IF THE CONTRACTOR REQUIRES A LANE CLOSURE TO PERFORM OPERATIONS, THEY MAY DO SO WITH THE APPROVAL OF THE ENGINEER. ANY LANE CLOSURES WILL BE SHORT TERM AND IN ACCORDANCE WITH NYS STANDARD SHEETS UNLESS OTHERWISE SHOWN IN CONTRACT PLANS.
- 15. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
- 16. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
- 17. WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, A SUPPLEMENTAL DISTANCE PLAQUE (W7-3a) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
- 18. THE ROAD WORK NEXT XX MILES SIGN (G20-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W20-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
- 19. ALL ADDITIONAL TEMPORARY SIGNAGE, NOT COVERED IN FHWA MUTCD, SHALL COMPLY WITH NYS SUPPLEMENT TO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

- 20. DURING NON-WORK HOURS, LEAVE DRUMS AND TCB IN PLACE, OR AS DIRECTED AT THE ENGINEER.
- 21. DURING WINTER MORATORIUM, COVER EXCAVATION WITH TEMPORARY ASPHALT AND OPEN ALL LANES TO TRAFFIC. 22. NYSDOT STANDARD SHEET REFERENCES:
- A. 619-317: SINGLE LANE CLOSURE
- B. 619-321: TWO-LANE TWO-WAY ROADWAY SIDEWALK DETOUR
- 619-324: TWO-LANE TWO-WAY ROADWAY SINGLE LANE SHIFT 619-407: TWO-LANE TWO-WAY ROADWAY SIDEWALK DETOUR
- 619-414: MULTILANE UNDIVIDED ROADWAY SINGLE LANE CLOSURE
- 23. MUTCD STANDARD SHEET REFERENCES:
- A. 6H-31
- 24. THE COST AND RESPONSIBILITY TO PROVIDE AND MAINTAIN SAFE AND ADEQUATE ACCESS FOR INTERSECTING ROADWAYS. HOMES, AND BUSINESSES, AT ALL TIMES, TO THE SATISFACTION OF THE ENGINEER, SHALL BE INCLUDED UNDER ITEM 619.01.
- 25. ACCESS TO RESIDENTIAL AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. UNLESS OTHER AGREEMENTS SUITABLE TO THE PROPERTY OWNERS CAN BE MADE, PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS AT ALL TIMES WHEN A FACILITY IS IN USE. FOR MULTIPLE ACCESS PROPERTIES, ONLY ONE DRIVEWAY MAY BE CLOSED AT ANY ONE TIME. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE, OR AS DIRECTED BY THE ENGINEER.
- 26. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THE FOLLOWING HOLIDAY WORK RESTRICTIONS ARE APPLICABLE TO THIS PROJECT. DURING THESE HOLIDAY PERIODS, THE CONTRACTOR WILL NOT BE ALLOWED TO PERFORM ANY WORK THAT WILL BE DISRUPTIVE TO TRAFFIC, INCLUDING BUT NOT LIMITED TO LANE CLOSURES. LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING STATE RECOGNIZED HOLIDAYS:
- THANKSGIVING DAY THURSDAY, NOVEMBER 24, 2023 A.
- CHRISTMAS DAY SUNDAY, DECEMBER 25, 2023 NEW YEAR'S DAY - MONDAY, JANUARY 1, 2024
- MEMORIAL DAY MONDAY, MAY 27, 2024
- INDEPENDENCE DAY THURSDAY, JULY 4, 2024 LABOR DAY - MONDAY, SEPTEMBER 2, 2024
- THANKSGIVING DAY THURSDAY, NOVEMBER 28, 2024
- CHRISTMAS DAY WEDNESDAY, DECEMBER 25, 2024 Η. I. NEW YEAR'S DAY - WEDNESDAY, JANUARY 1, 2025
- 27. LANE CLOSURES SHALL BE SUSPENDED AS FOLLOWS:
- 28. DURING WINTER STORM EVENTS, NO WORK WITHIN THE WORK AREA OR RIGHT-OF-WAY IS PERMITTED TO ALLOW FOR SNOW REMOVAL, PLOWING ACTIVITIES.
- 29. ANY EARTHWORK DONE BETWEEN NOVEMBER 1ST AND APRIL 1ST MUST CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 203–1.01 P.
- 30. CONSTRUCTION WORK OCCURRING INSIDE THE BOUNDARIES OF THE CITY OF NEW YORK SHALL TAKE PLACE BETWEEN 7:00 AM AND 6:00 PM AS REQUIRED BY SECTION 24-222 OF THE CITY OF NEW YORK ADMINISTRATIVE CODE. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING NECESSARY PERMITS FOR PLANNED CONSTRUCTION WORK DURING WEEKEND, EVENING OR, HOLIDAY. CERTIFICATE HOLDER SHALL NOTIFY DEPARTMENT OF PUBLIC SERVICE AT LEAST TWENTY FOUR (24) HOURS IN ADVANCE IF PLANNED WEEKEND, EVENING, OR HOLIDAY CONSTRUCTION BECOMES NECESSARY.
- 31. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE LIGHTING ALONG THE TEMPORARY PEDESTRIAN/BIKE WALKWAY AND ALL ROADWAYS AND WORK AREAS DURING CONSTRUCTION.





07-31-2023

DRUM TCB (UNPINNED) Ħ FLAGGER * FLAG TREE •••••• \Rightarrow \longleftrightarrow

KC ENGINEERING AND LAND SURVEYING, P.C.		_						CHAMPLAIN HUDSON POWER EXPRESS
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S RADHAR VALLET	PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT							
E A E	OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS	-						TRANSITION VAULT 5 TO ASTORIA CONVERTER STATION
V I Enter El	ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT							WORK ZONE TRAFFIC CONTROL NOTES
105203	AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A	-						
POErccioNA	SPECIFIC DESCRIPTION OF THE ALTERATION.	-	0	07/31/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MK	CV	LEGEND AND ABBREVIATION
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AS SHOWN DATE 0 SH.NO.

KC PROJECT NO. 120174 DRAWING NO. C-501

07/31/2023

XXX OF

KIEWIT PROJECT NO.

21162

Α

IEMPORARY IRAFFIC FLOW ARROW

WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR
ARROW PANEL (LEFT ARROW)
ARROW PANEL (CAUTION MODE)
TYPE III BARRICADE
TRAILER UNIT
WARNING LIGHT ON SIGN
EXISTING TRAFFIC FLOW ARROW
TEMPORARY TRAFFIC FLOW ARROW

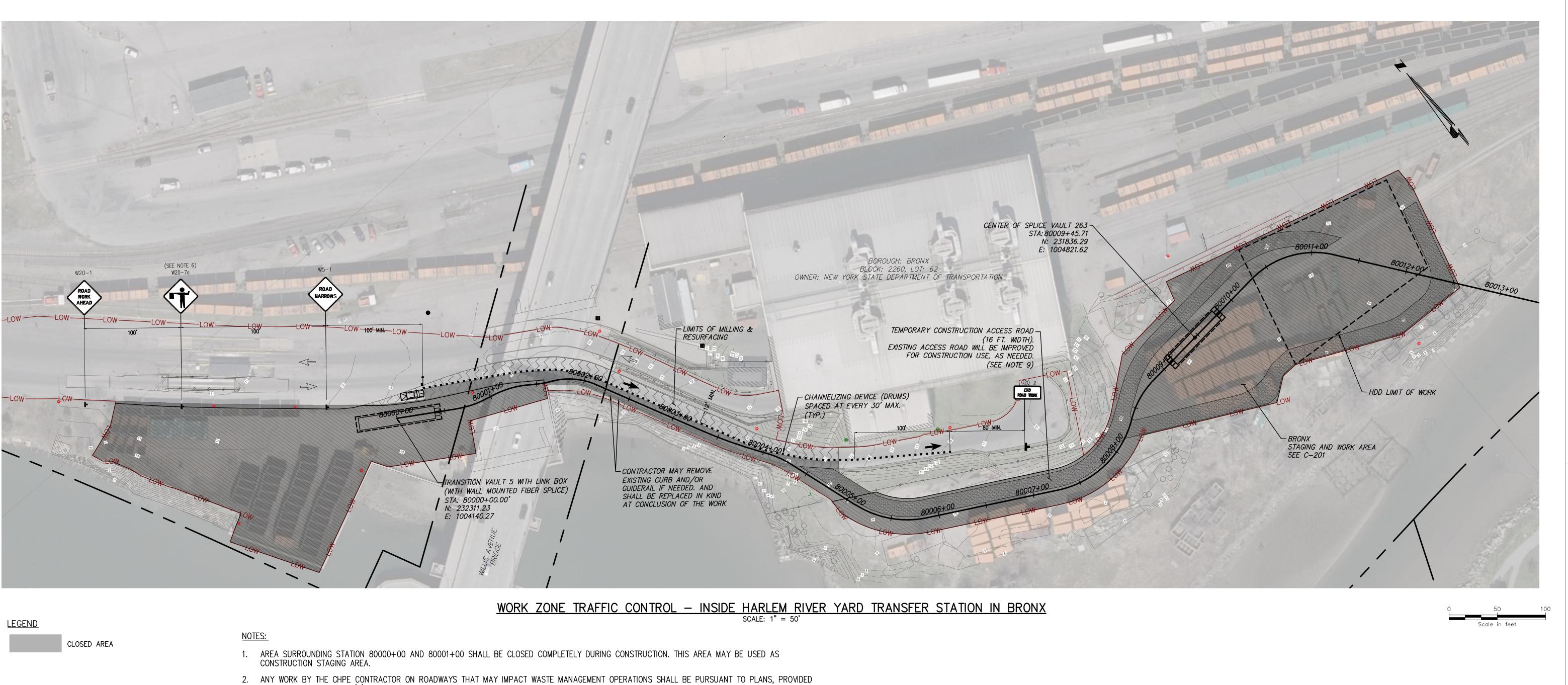
AADT	AVERAGE ANNUAL DAILY TRAFFIC
CR	COUNTY ROUTE
DHV	DIRECTIONAL HOURLY VOLUME
FASU	FLASHING ARROW SIGN UNIT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
M.P.	MILE POST
MAX.	MAXIMUM
MIN.	MINIMUM
MPH	MILES PER HOUR
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NYS	NEW YORK STATE
NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
RTE	ROUTE
ТСВ	TEMPORARY CONCRETE BARRIER
STA.	STATION

ABBREVIATIONS

WORK ZONE

CHANGEABLE MESSAGE SIGN (PVMS)

TEMPORARY SIGN

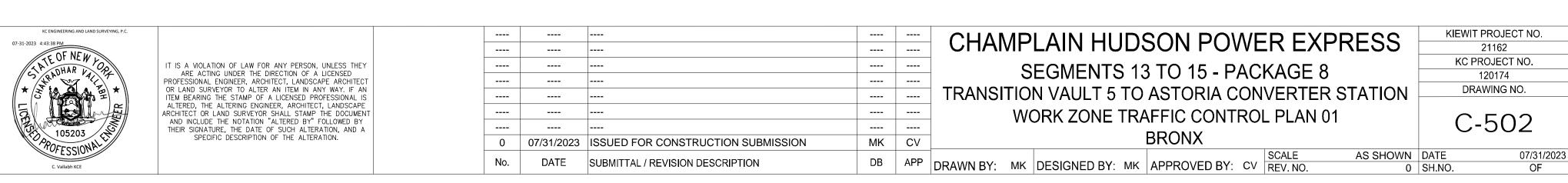


- WITH A MINIMUM OF TWO (2) WEEKS ADVANCED NOTICE, AGREED UPON WITH WASTE MANAGEMENT AND AT A MINIMUM ADHERE TO THE BELOW **REQUIREMENTS:**
- 2.1. PARTIAL LANE CLOSURES SHALL MAINTAIN A MINIMUM OF 12-FOOT LANES TO MAINTAIN ACCESS TO WASTE MANAGEMENT FACILITIES. 2.2. TOTAL ACCESS ROADWAY CLOSURES MAY ONLY OCCUR BETWEEN 11: 30PM SATURDAY AND 9PM SUNDAY, WITH LANE ACCESS RESTORED BY 11PM SUNDAY.
- 3. AREA IN THE VICINITY OF ACCESS ROAD FROM STATION 80004+50 AND 80012+50 SHALL BE USED AS CONSTRUCTION STAGING AREA. ACCESS TO THIS AREA WILL BE MAINTAINED FOR CSX AND HARLEM RIVER YARD TRANSFER STATION PERSONNELS AND THEIR VEHICLES AS REQUIRED.
- 4. CONTRACTOR SHALL PLATE OVER OPEN TRENCHES AT THE END OF EACH SHIFT FOR THE ROADWAY TO BE USED FOR HARLEM RIVER YARD TRANSFER STATION OPERATIONS.
- 5. CONTRACTOR SHALL COORDINATE ROADWAY CLOSURES AND PLATING OPERATIONS WITH THE "HARLEM RIVER YARD TRANSFER STATION."
- 6. FLAGGER SIGN (W20-7A) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
- 7. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF.
- 8. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK AREA.
- 9. CONTRACTOR SHALL PROVIDE WASTE MANAGEMENT AND CSX PERSONNEL ACCESS TO WASTE MANAGEMENT PROPERTY AND CSX RAIL USING THE CONSTRUCTION ACCESS ROAD. CSX AND WASTE MANAGEMENT SHALL COORDINATE WITH CONTRACTOR FOR ACCESS.

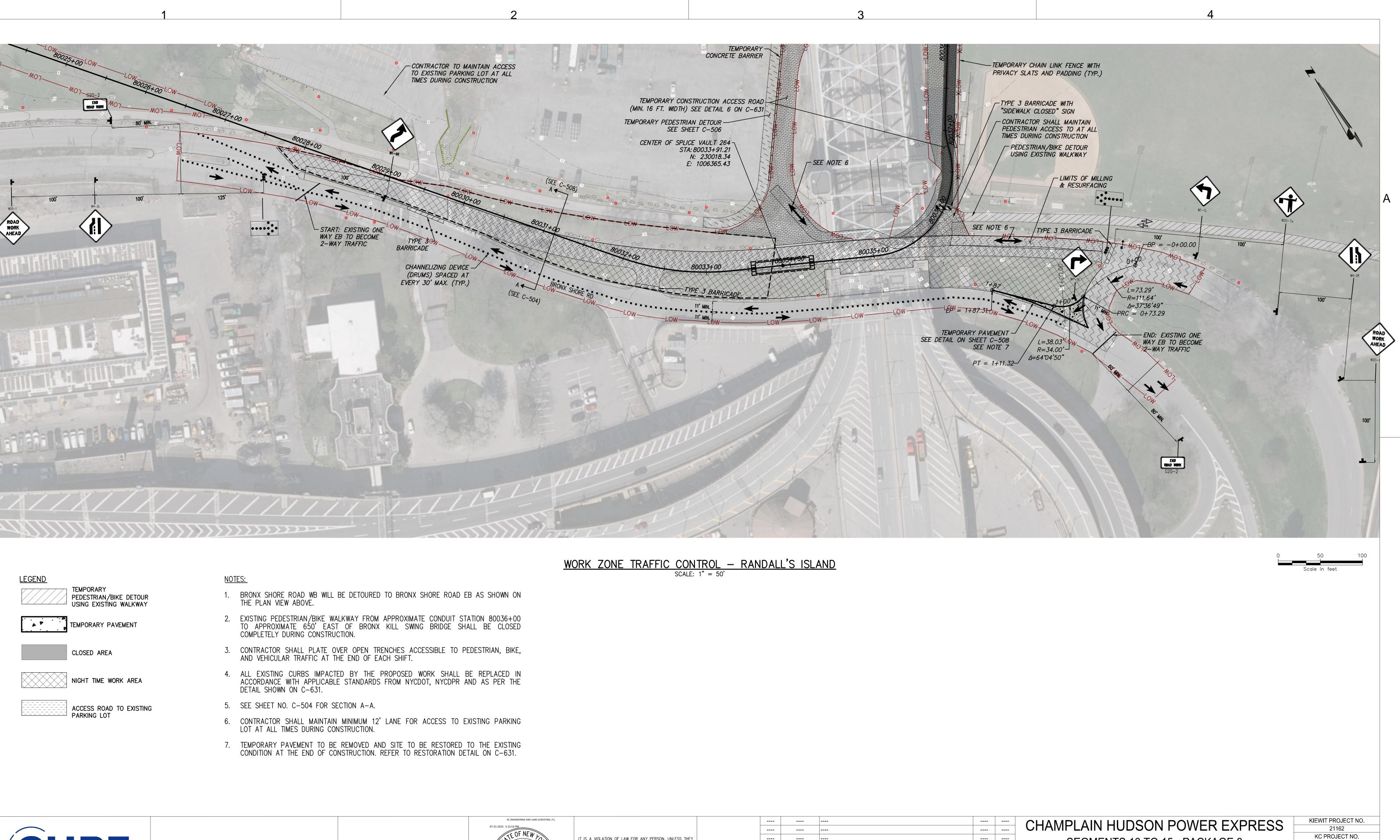


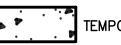


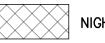
Engineering and Land Surveying, P.C.





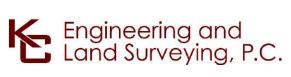














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SEGMENTS 13 TO 15 - PACKAGE 8 TRANSITION VAULT 5 TO ASTORIA CONVERTER STATION WORK ZONE TRAFFIC CONTROL PLAN 02 RANDALL'S ISLAND

120174 DRAWING NO.

C-503

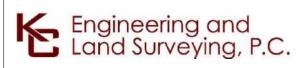
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DESIGNED BY: MK APPROVED BY: CV SCALE REV. NO. AS SHOWN DATE

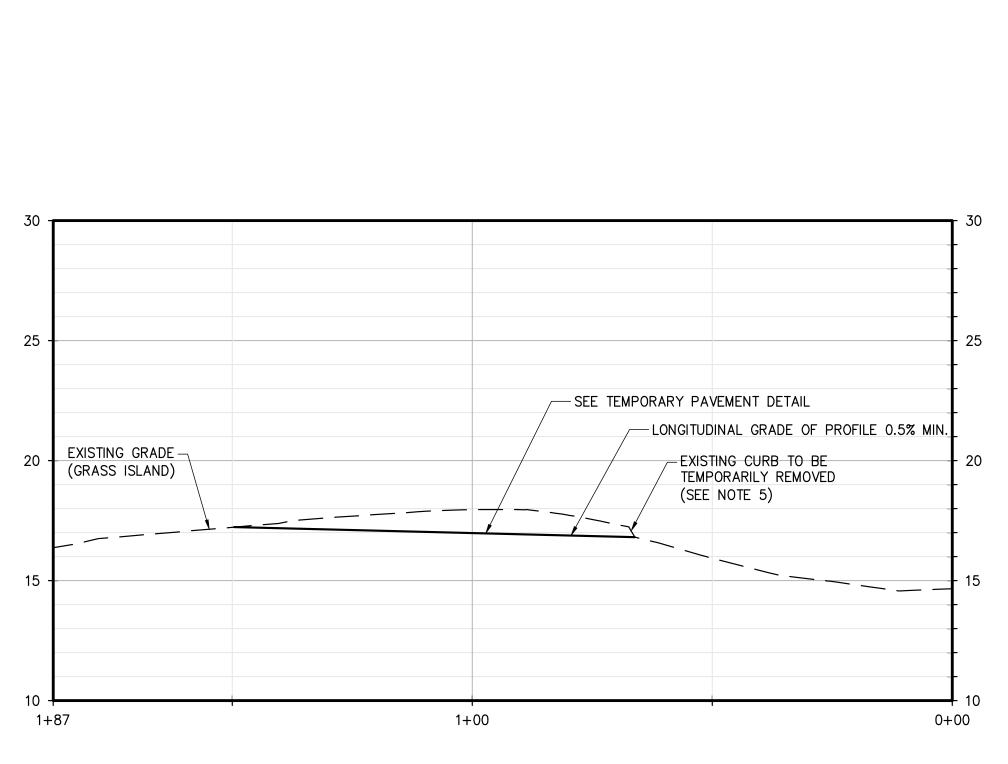
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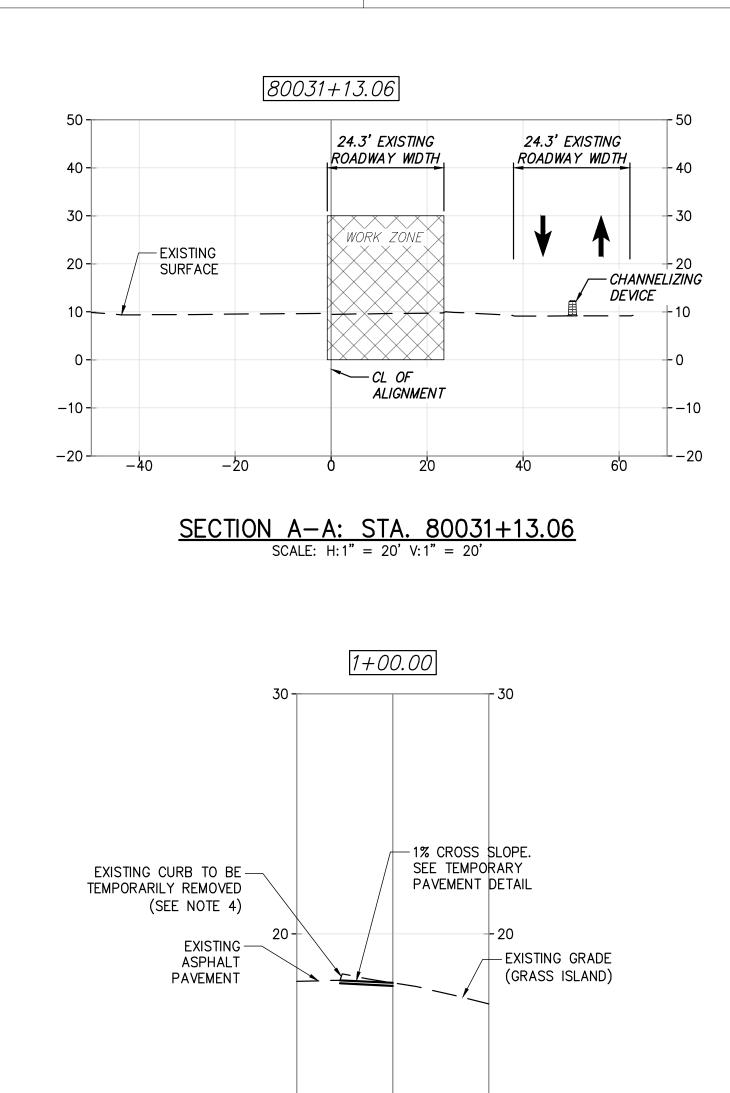


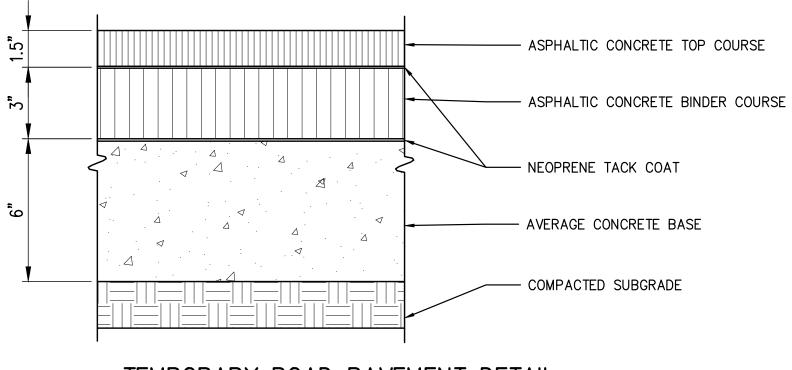




TEMPORARY ROAD PAVEMENT PROFILE SCALE: H: 1" = 20' V: 1" = 10'

MK

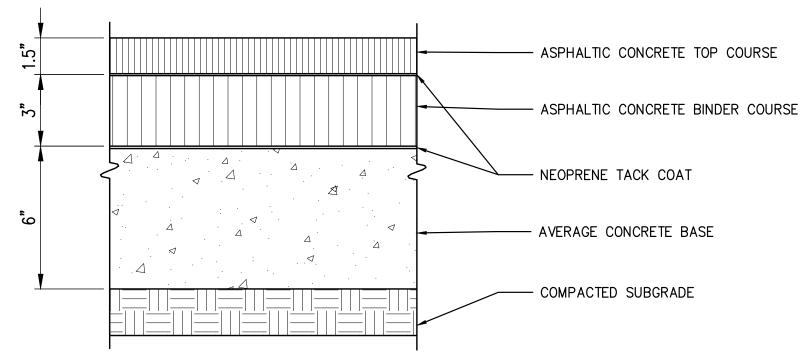




TEMPORARY ROAD PAVEMENT SECTION VIEW AT STA. 1+00 SCALE: H: 1" = 20' V: 1" = 10'

2010

10-20



TEMPORARY PEDESTRIAN WALKWAY ASPHALT PAVEMENT

NOTE: DETAILS AND DIMENSIONS BASED ON CITY OF NEW YORK PARKS & RECREATION STANDARD DETAILS – 15, DRAWING TITLE: PAVEMENT DETAILS NO. 1



2

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.

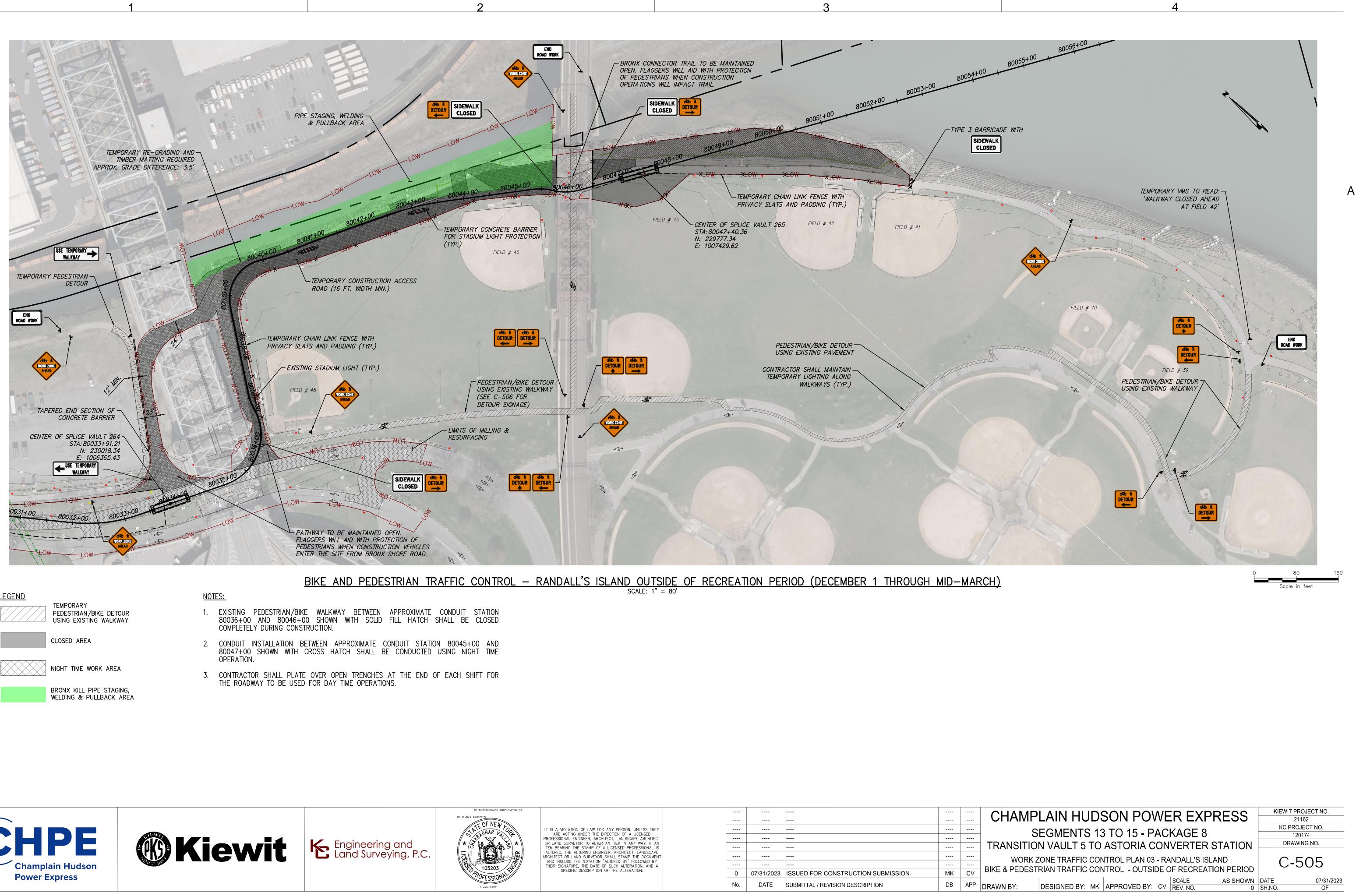
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TEMPORARY ROAD PAVEMENT DETAIL NOT TO SCALE

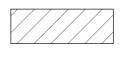
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CHAMPLAIN HUDSON POWER EXPRESS	KIEWIT PROJECT NO.
	21162
	KC PROJECT NO.
SEGMENTS 13 TO 15 - PACKAGE 8	120174
TRANSITION VAULT 5 TO ASTORIA CONVERTER STATION	DRAWING NO.
WORK ZONE TRAFFIC CONTROL PLAN 02 RANDALL'S ISLAND PROFILE AND SECTION VIEW	C-504
SCALE AS SHOWN	DATE 07/31/2023
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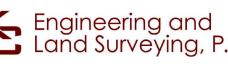


<u>LEGEND</u>





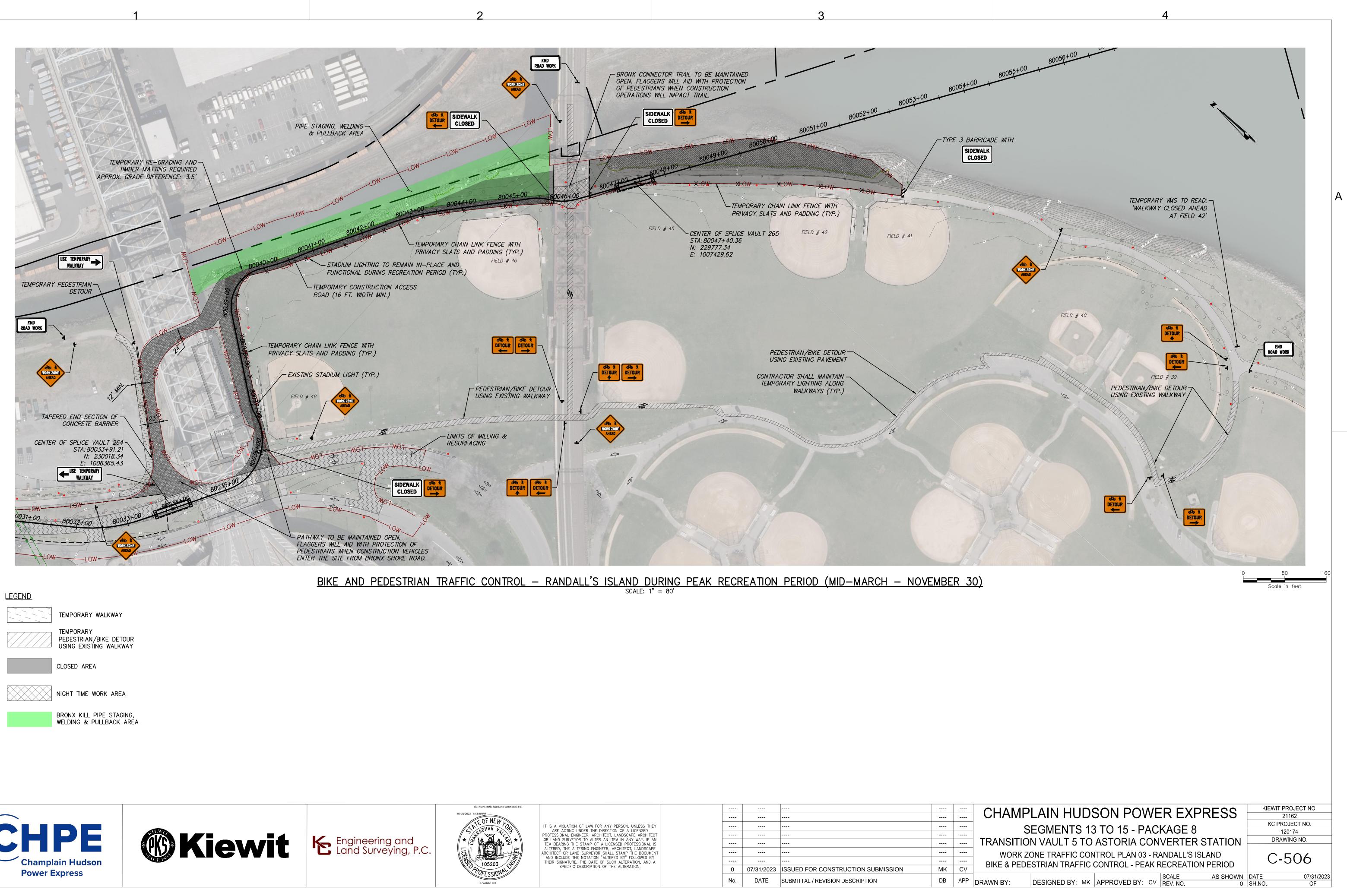






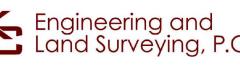
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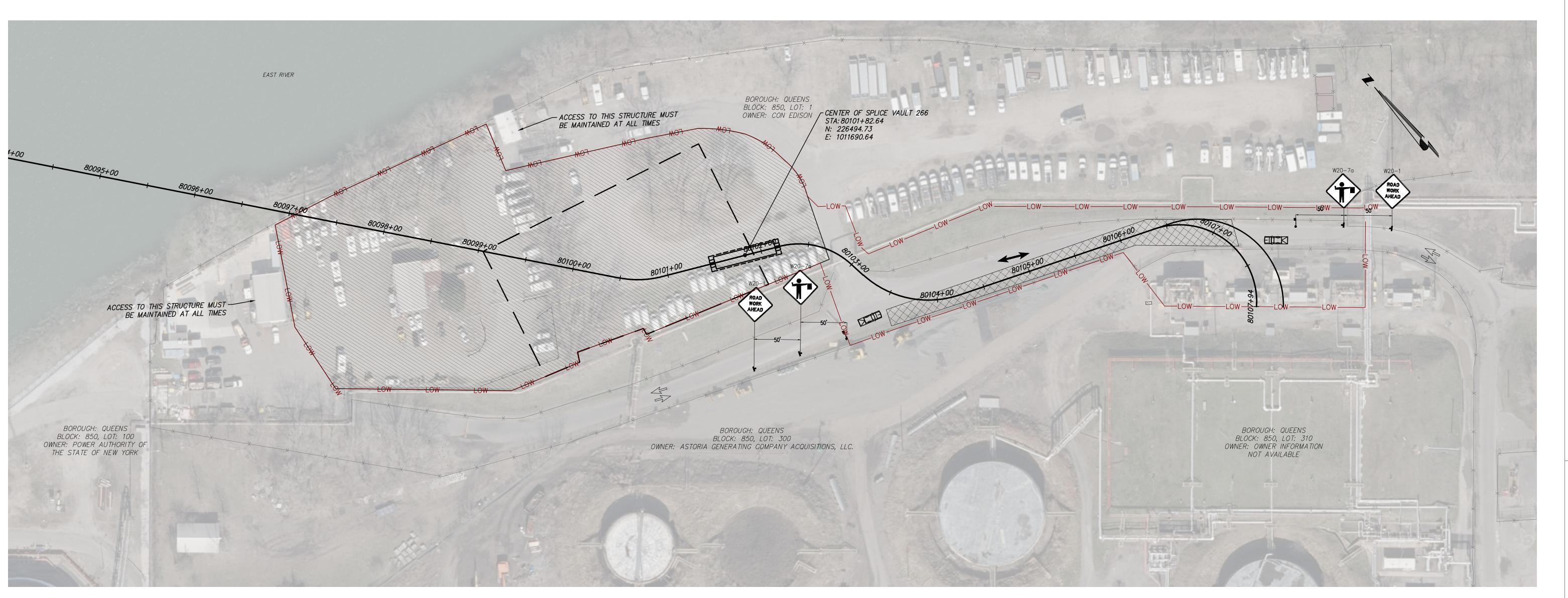








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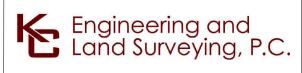
WORK AREA

<u>NOTES:</u>

- 1. CONDUIT INSTALLATION BETWEEN APPROXIMATE CONDUIT STATION 80103+00 AND 80107+50 SHOWN WITH CROSS HATCH SHALL BE CONDUCTED USING NIGHT TIME OPERATION.
- 2. CONTRACTOR SHALL PLATE OVER OPEN TRENCHES AT THE END OF EACH SHIFT FOR THE ROADWAY TO BE USED FOR DAY TIME OPERATIONS.









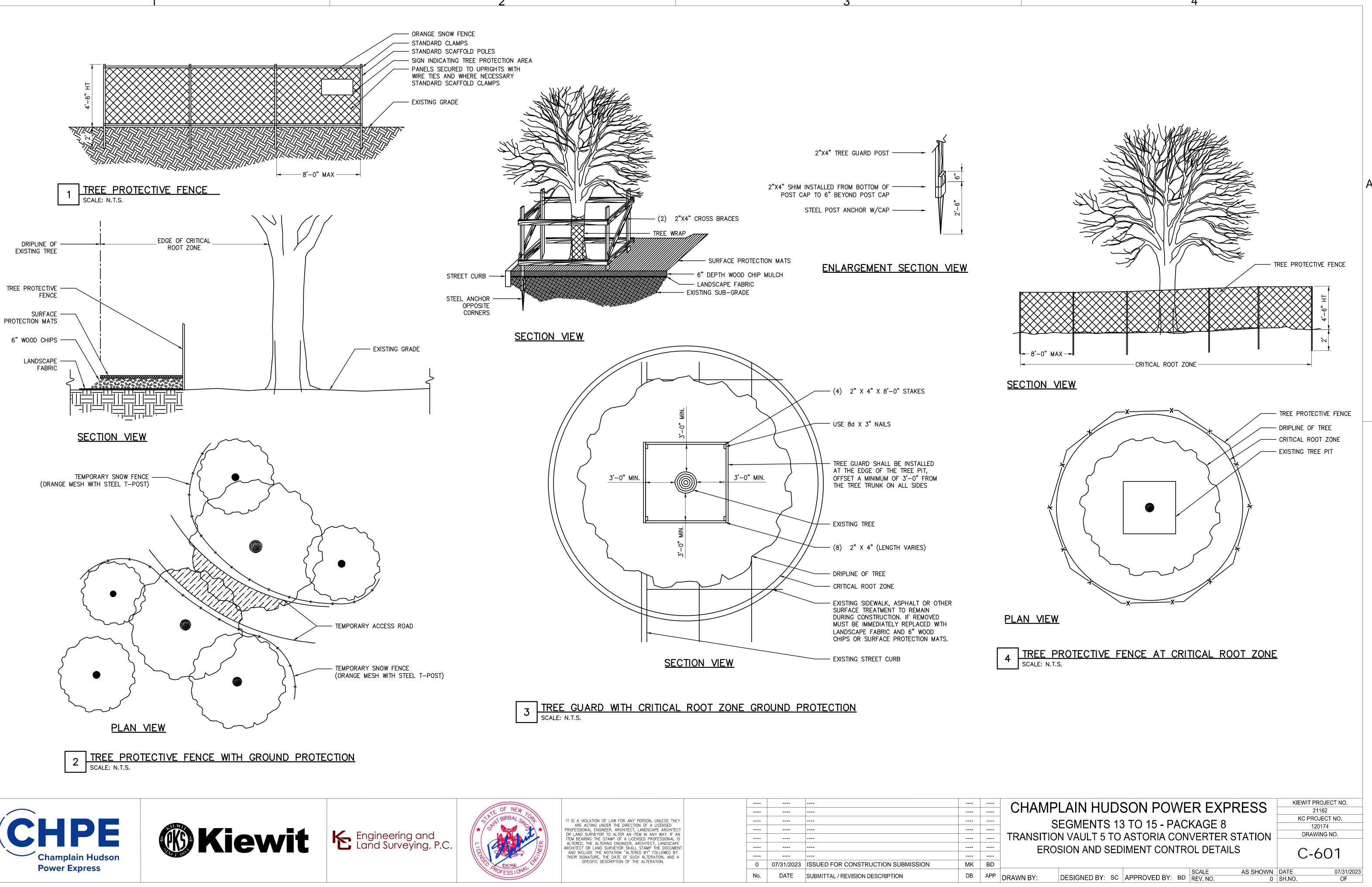
WORK ZONE TRAFFIC CONTROL – ASTORIA SCALE: 1" = 50'

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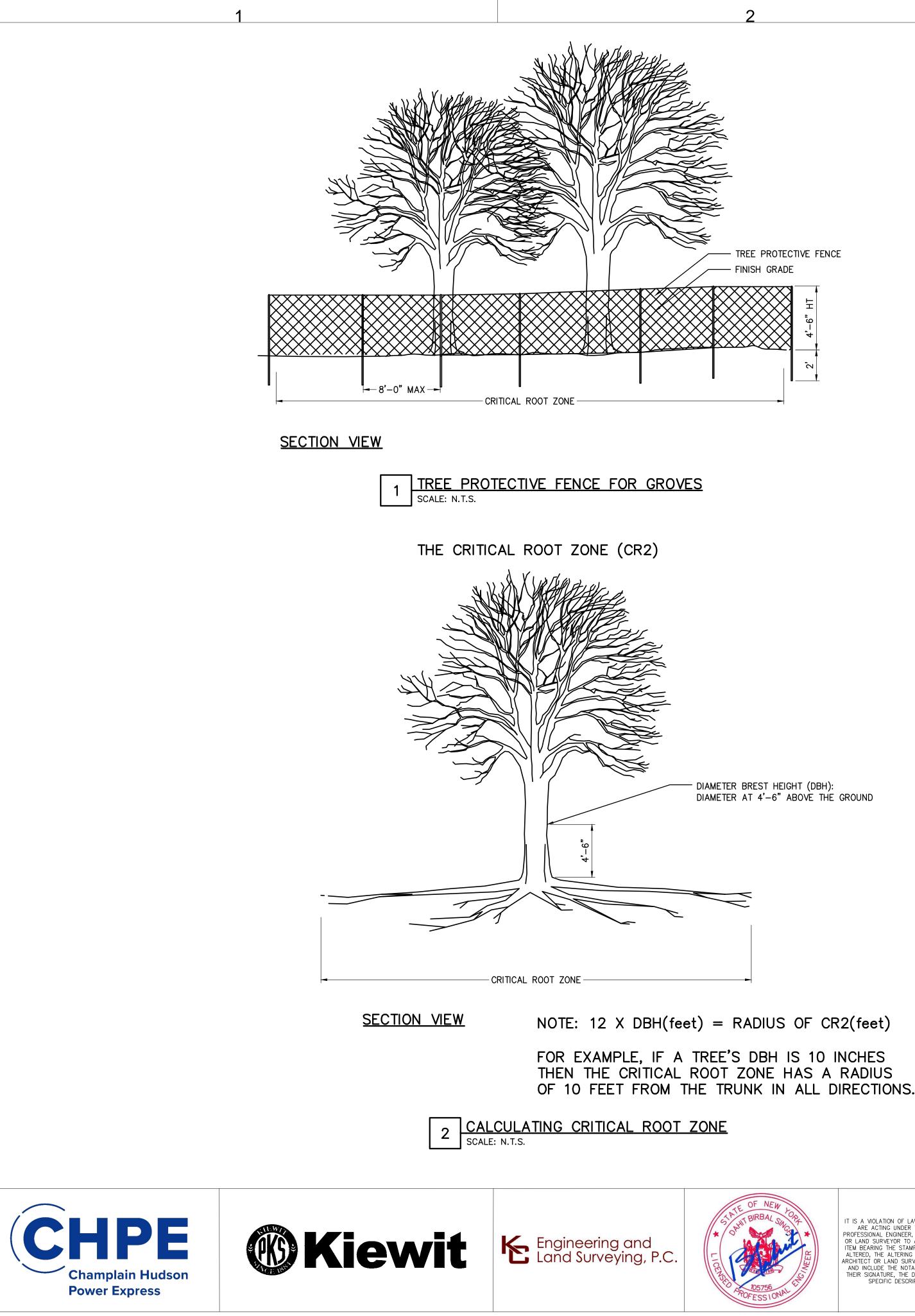
KIEWIT PROJECT NO. CHAMPLAIN HUDSON POWER EXPRESS 21162 KC PROJECT NO. SEGMENTS 13 TO 15 - PACKAGE 8 120174 DRAWING NO. TRANSITION VAULT 5 TO ASTORIA CONVERTER STATION WORK ZONE TRAFFIC CONTROL PLAN 04 C-507 ASTORIA DESIGNED BY: MK APPROVED BY: CV REV. NO. AS SHOWN DATE 0 SH.NO. 07/31/2023 OF DRAWN BY:



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- TREE PROTECTIVE FENCE

NOTES:

- ANYONE PERFORMING ANY AND ALL WORK PERFORMED WITHIN 50 1. FEET OF A CITY TREE MUST POSSESS A PERMIT ISSUED BY THE NYC PARKS DEPARTMENT TO AVOID UNSAFE, HAZARDOUS AND OTHER CONDITIONS WHICH MAY BE DETRIMENTAL OR POTENTIALLY DETRIMENTAL TO ANY CITY TREE. IT IS INCUMBENT UPON THE APPLICANT TO ASCERTAIN AS TO WHETHER OR NOT THERE ARE ANY TREES OR TREE ROOTS SITUATED WITHIN THE CITY RIGHT OF WAY. ANY AND ALL TREES THAT FALL WITH THE JURISDICTION OF THE NYC PARKS DEPARTMENT ARE PROTECTED BY LAW FROM ANY AND ALL DAMAGE THERETO INCLUDING BUT NOT LIMITED TO ANY INCIDENTAL DAMAGES, DAMAGE TO THE CANOPY, OR DAMAGE TO THE TRUNK OR ROOT ZONE DURING AND IN THE COURSE OF ANY AND ALL CONSTRUCTION ACTIVITIES, AND ALSO THE AFTERMATH OF ANY AND ALL CONSTRUCTION ACTIVITIES. NO CUTTING OR OTHERWISE DAMAGING OF TREE ROOTS IS PERMITTED. ANY AND ALL TREE WORK MUST BE PERMITTED. TREE WORK PERFORMED ABSENT A PERMIT CAN PRECIPITATE SERIOUS FINANCIAL AND LEGAL REPERCUSSIONS. VIOLATIONS AND MISDEMEANORS ARE PUNISHABLE BY A FINE NOT TO EXCEED \$15,000 AND/OR IMPRISONMENT FOR UP TO ONE YEAR. ANY AND ALL APPLICATIONS RELATING TO CONSTRUCTION ACTIVITIES MUST BE ACCOMPANIED BY THE APPROPRIATE DOCUMENTATION AS REQUESTED PER P-A FORESTRY APPLICATION OR UPON FORESTER REQUEST.
- APPLICANT SHALL NOTIFY NYC PARKS/ FORESTRY AT LEAST 20 2. BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK REQUIRING A PERMIT.
- TEMPORARY WOODEN TREE GUARDS AND TEMPORARY SNOW FENCE BOUNDARY SHALL BE INSTALLED IMMEDIATELY AROUND EACH TREE IMPACTED BY DEMOLITION AND/OR CONSTRUCTION AND MAINTAINED THROUGHOUT THE COURSE OF THE ENTIRE DEMOLITION AND CONSTRUCTION PROCESS. (HTTP: //WWW.NYCGOVPARKS.ORG/PAGEFILES/84 /TREE-PROTECTION-DETAILS.PDF)
- THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF THE EXISTING TREES. BULK MATERIAL, EQUIPMENT, SCAFFOLD FOOTINGS, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE, OR WITHIN TEN (10) FT. OF THE TRUNK (WHICHEVER IS GREATER). THIS IS DONE TO MINIMIZE SURFACE AND SUBSURFACE ROOT AND SOIL COMPACTION. THIS APPLIES TO ALL CRZS WITHIN OR OUTSIDE THE PROJECT LIMIT LINE. EVERY INCH OF DBH(DIAMETER BREAST HEIGHT) OF THE TREE REPRESENTS ONE REQUIRED RADIAL FOOT OF TREE PROTECTION.
- 5. IF STOCKPILING OCCURS WITHIN THE CRZ, A STOP WORK ORDER SHALL BE ISSUED IMMEDIATELY TO THE NYC DEPARTMENT OF BUILDINGS. ADDITIONAL VIOLATIONS MAY BE ISSUED AND MAY REQUIRE REMEDIAL WORK TO REMAIN WITHIN FORESTRY INSPECTOR'S PRESCRIBED TIMEFRAME. WORK SHALL NOT RE-COMMENCE UNTIL ALL STOCKPILED MATERIAL IS REMOVED FROM THE CRZ AND TREE REMEDIATION IS SATISFIED.
- IF ANY MACHINERY IS OPERATING WITHIN THE CRZ THE AFFECTED AREA SHALL BE COVERED WITH MULCH TO A DEPTH OF AT LEAST TWELVE (12)-INCHES AND COVERED WITH PLYWOOD OR METAL PLATES TO DISTRIBUTE WEIGHT IN ORDER TO PROTECT ROOTS FROM DAMAGE CAUSED BY HEAVY EQUIPMENT. SUCH COVERING SHALL BE MAINTAINED DURING THE COURSE OF CONSTRUCTION AND REMOVED BY HAND OR AS SPECIFIED BY THE CONTRACTED CERTIFIED ARBORIST OR FORESTRY INSPECTOR WITH ASSOCIATED PHOTOS REPORTED ACCORDINGLY. HEAT SOURCES, FLAMES, IGNITION SOURCES, AND SMOKING ARE PROHIBITED WITHIN THE CRZ AND WITHIN THE ABOVE MENTIONED MULCHED AREA.

- WHEN A DEFICIENCY IN TREE PROTECTION IS DETERMINED BY A FORESTRY INSPECTOR IT MUST BE REMEDIED IMMEDIATELY. FAILURE TO CORRECT THE DEFICIENCY IMMEDIATELY MAY RESULT IN VIOLATIONS AND SUMMONS.
- ANY DAMAGE TO EXISTING TREES DURING CONSTRUCTION SHALL 8. BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL PERFORM REMEDIAL WORK TO DAMAGED TREES AT THE CONTRACTOR'S EXPENSE; THIS WORK SHALL MEET ALL NYC PARKS REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO COMPLY WITH NYC PARKS REGULATIONS. ADDITIONAL RESOURCES ARE AVAILABLE AT THE NYC PARKS WEBSITE HTTP: //WWW.NYCGOVPARKS.ORG/SERVICES/FORESTRY/
- CONTRACTOR WILL CONTACT NYC PARKS IF ANY UNDERGROUND 9. INFRASTRUCTURE (GAS, WATER/ELECTRIC ETC.) AFFECTS ANY PROPOSED/EXISTING TREES ONSITE. PROJECT MANAGER IS AWARE THAT ANY WORK DONE ON OR WITHIN 50 FEET OF A CITY TREE REQUIRES A PERMIT FROM NYC PARKS. THIS INCLUDES UTILITY, SIDEWALK, PRUNING, OR ANY OTHER WORK WITHIN THE CRZ OF A TREE (WITHIN THE CITY RIGHT OF WAY) DONE BY THE GENERAL CONTRACTOR OR ANY SUBCONTRACTORS. CONTRACTOR WILL BE FAMILIAR WITH, AND FOLLOW NYC PARKS PLANTING AND FORESTRY SPECIFICATIONS. IN SOME INSTANCES, UTILITIES MAY NOT BE LABELED ON PROPOSED SITE PLAN. IF UTILITIES ARE UNKNOWN, THE PROJECT MANAGER MUST AMEND THE PLANS AND REQUEST THEIR PLANS BE REAPPROVED BY NYC PARKS.
- 10. CONSTRUCTION ACCESS ROUTE IS TO BE DIAGRAMMED AND ROUTED TO MINIMALLY IMPACT ANY EXISTING TREES. FINAL ROUTE SHALL BE ESTABLISHED ON SITE AND APPROVED BY THE FORESTRY INSPECTOR. SITE PLANS ARE TO BE INCLUDED AND AMENDED ACCORDINGLY WHEN REQUESTING NYC PARKS APPROVAL.
- 11. ROOTS OVER ONE (1)-INCH IN DIAMETER SHALL NOT BE CUT WITHOUT THE WRITTEN PERMISSION OF THE BOROUGH DIRECTOR OF FORESTRY.
- 12. TO BEST PROTECT TREE ROOTS THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN REMOVING CONCRETE OR ASPHALT WITHIN THE CRZ OF EXISTING TREES. PAVEMENT SHOULD BE LIFTED RATHER THAN DRAGGED. ANY EXCAVATION WITHIN THE CRZ, OR ELSEWHERE ON SITE, AS INDICATED ON TREE PROTECTION PLAN, SHALL BE DONE BY HAND OR PNEUMATIC EXCAVATION AND IN THE PRESENCE OF THE FORESTRY INSPECTOR OR CONTRACTED CERTIFIED ARBORIST WITH ASSOCIATED PHOTOS AND REPORT TO BE FILED WITH NYC PARKS FORESTRY INSPECTOR. CONTRACTOR IS TO SCHEDULE APPOINTMENT WITH FORESTRY INSPECTOR ACCORDINGLY
- 13. THE EXCAVATION AREA WITHIN THE CRZ SHALL BE BACKFILLED IMMEDIATELY AND/OR ROOTS SHALL BE KEPT CONSTANTLY MOIST WITH BURLAP COVERED WITH WHITE PLASTIC AND CHECKED A MINIMUM OF TWO (2) TIMES A DAY, ONCE IN THE MORNING AND ONCE IN THE AFTERNOON, FOR A MAXIMUM OF FORTY-EIGHT (48) HOURS, UNTIL BACKFILL IS COMPLETE AS DIRECTED BY THE DIRECTOR OF LANDSCAPE CONSTRUCTION AND THE RESIDENT ENGINEER. IF DIRECTED. SOAKER HOSES SHALL BE INSTALLED TO FACILITATE PROPERLY MOIST CONDITIONS. NO POOLING OF WATER OR CONTINUOUS RUNNING WATER SHALL OCCUR WITHIN THE DRIP LINE OF EXISTING TREES OR WITHIN THE TREE PROTECTION ZONES OTHER THAN THAT DURING THE IRRIGATION PROCESS.

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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.

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- 14. IF ROOTS ARE TO BE EXPOSED FOR A PERIOD GREATER THAN FORTY-EIGHT (48)-HOURS, THE EXPOSED AREA SHALL BE COVERED WITH AT LEAST SIX (6)-INCHES OF MULCH AND MAINTAINED MOIST DURING THE COURSE OF CONSTRUCTION UNTIL THE AREA CAN BE PROPERLY BACKFILLED. PHOTOS TO BE TAKEN PERIODICALLY AND REPORTED TO THE FORESTRY INSPECTOR BY LANDSCAPE CONTRACTOR OR CONTRACTED CERTIFIED ARBORIST.
- 15. NO RUNOFF OR SPILLAGE OF NOXIOUS MATERIALS WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIAL SHALL OCCUR WITHIN THE TREE PIT OR CRZ. NO PONDING. ERODING. OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS SHALL OCCUR WITHIN TREE PIT OR CRITICAL ROOT ZONE.
- 16. ALL EXISTING TREES BEING PROTECTED ON PROPOSED JOBSITE ARE TO BE WATERED 20 GALLONS ONCE WEEKLY BETWEEN MARCH 1 AND OCTOBER 30 ACCORDINGLY TO BEST PRESERVE EXISTING TREES DURING DEMOLITION AND CONSTRUCTION PROCESSES. WATERING SHALL BE DONE IN A MANNER THAT THERE SHOULD NOT BE STANDING WATER AROUND THE TREE.
- 17. UNLESS OTHERWISE NOTED IT IS BEST TO KEEP EXISTING CONCRETE WITHIN TREE PROTECTION ZONE AS LONG AS POSSIBLE UNTIL REMOVAL AND REINSTALLATION OF NEW SIDEWALK. CONCRETE SHOULD BE LEFT INTACT THROUGHOUT THE DEMOLITION AND CONSTRUCTION PROCESS TO PREVENT FURTHER SOIL COMPACTION ON EXISTING TREE ROOTS. OTHER WORK MAY BE SPECIFIED BY FORESTRY INSPECTOR TO BE DONE WITHIN A PRESCRIBED TIMEFRAME. METAL GRATES ARE TO BE REMOVED IMMEDIATELY. COBBLESTONES ARE TO BE REMOVED IMMEDIATELY AND THE VOID CREATED IS TO BE AMENDED WITH SOIL LEVEL TO THE SIDEWALK. PIT EXPANSION MAY BE REQUIRED BY FORESTRY INSPECTOR.
- 18. PREPARATORY PRUNING WORK SHALL BE PERFORMED ONLY WHEN DIRECTED BY A FORESTRY INSPECTOR. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANSI A300 STANDARDS AND BY A QUALIFIED, LICENSED & INSURED ARBORIST OR TREE SERVICE COMPANY. CONTRACTOR IS TO FOLLOW ALL NYC PARKS FORESTRY PERMIT & WORK ORDER REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE APPOINTMENT WITH FORESTRY INSPECTOR.
- 19. ALL NEW INDICATED TREE PITS ARE TO BE FULLY EXCAVATED TO THE DIMENSIONS LABELED AND REPLACED WITH NEW QUALITY TOPSOIL TO NYC PARKS STANDARDS.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 13 TO 15 - PACKAGE 8

RANSITION VAULT 5 TO ASTORIA CONVERTER STATION **EROSION AND SEDIMENT CONTROL DETAILS**

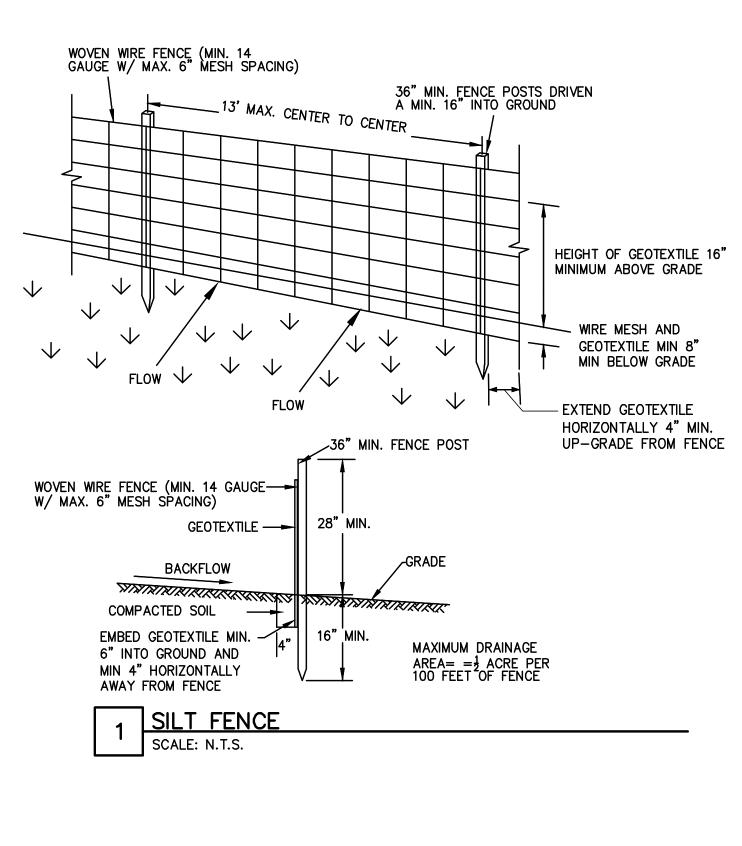
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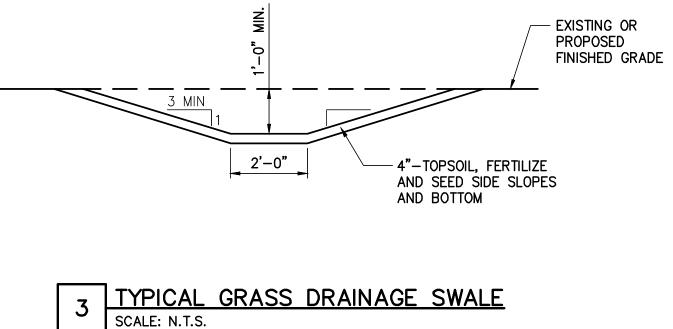
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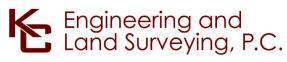
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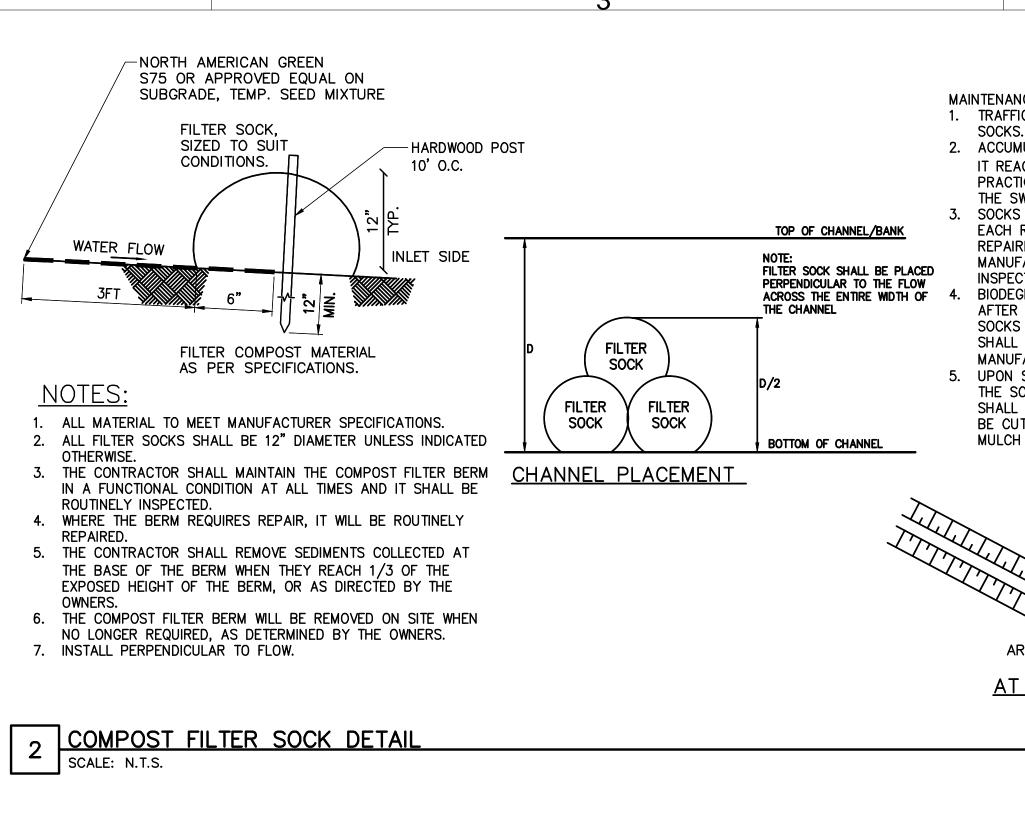


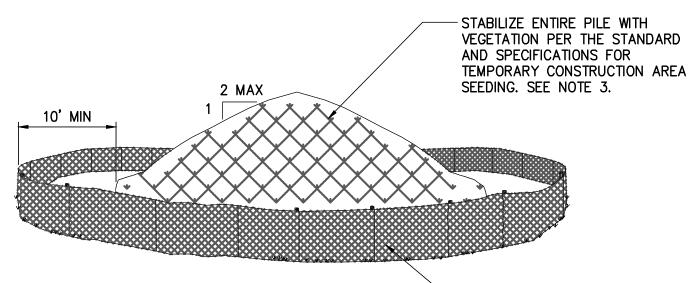












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NOTES:

- 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY, STABILIZED AND LOCATED AWAY FROM KNOWN WORK AREAS TO PREVENT RELOCATION. 2. MAXIMUM STOCKPILE HEIGHT SHALL BE 12 FEET.
- 3. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, INSTALLED PER SILT FENCE DETAIL, THEN STABILIZED IN ACCORDANCE WITH THE NYSDEC STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA SEEDING WITHIN 7 DAYS OF COMPLETION.
- 4. A PERIMETER DIKE/SWALE SHALL BE LOCATED UP-SLOPE OF THE TOPSOIL STOCKPILE TO DIVERT STORMWATER AROUND THE STOCKPILE.



STABILIZED SOIL STOCKPILE SCALE: N.T.S.



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2. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1 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.

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.

WORK AREA WATER FLOW $\sqrt{1}$ AREA TO BE PROTECTED AT GRADE PLACEMENT

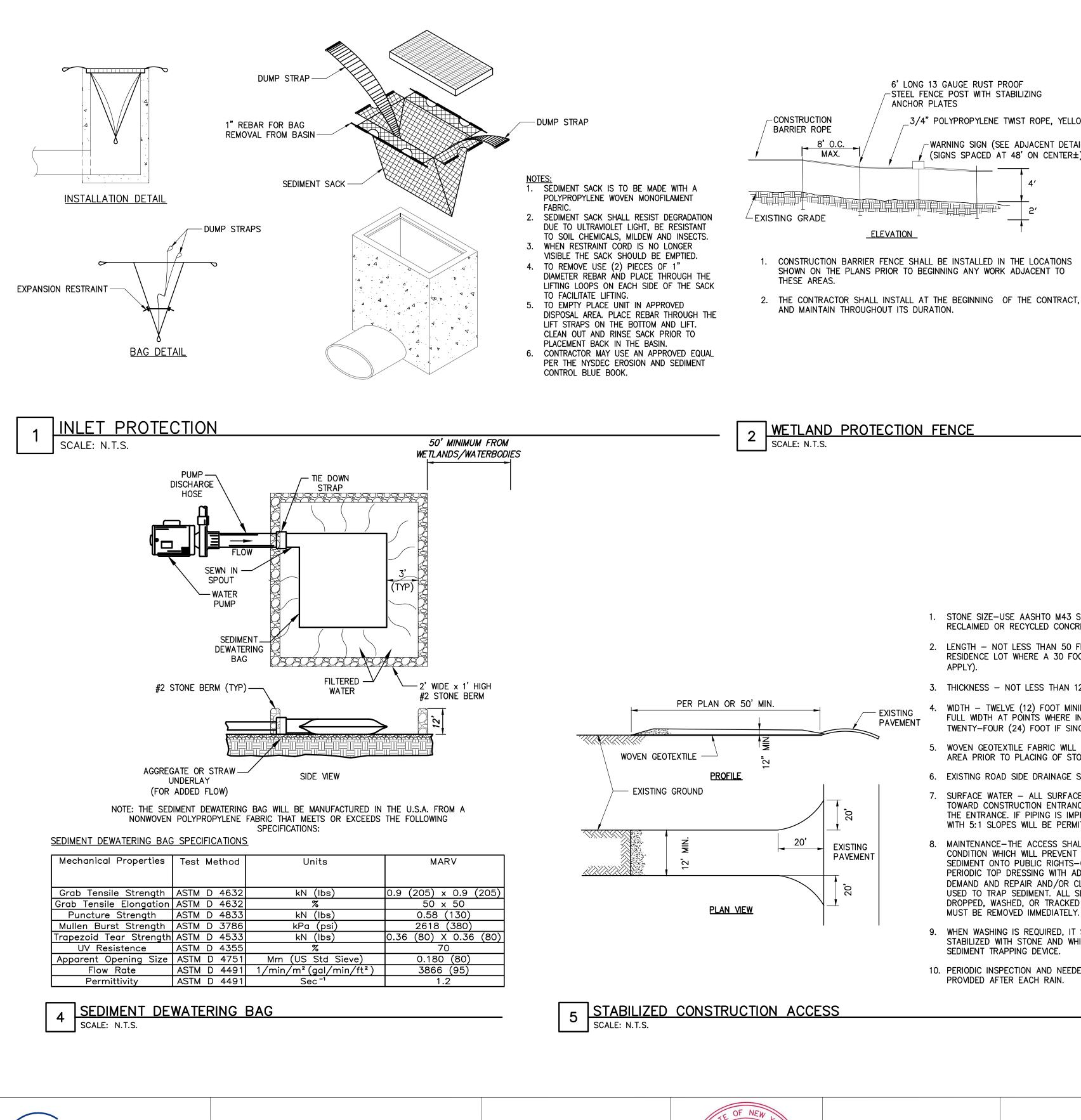
CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 13 TO 15 - PACKAGE 8 **TRANSITION VAULT 5 TO ASTORIA CONVERTER STATION EROSION AND SEDIMENT CONTROL DETAILS**

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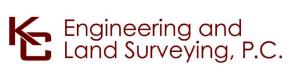
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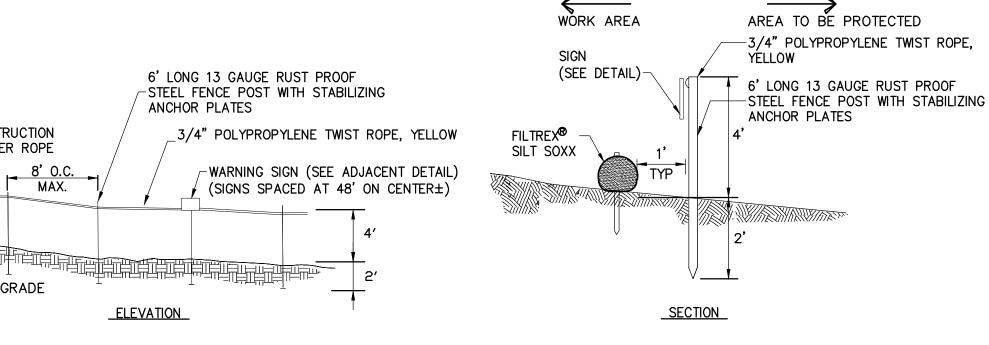


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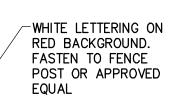






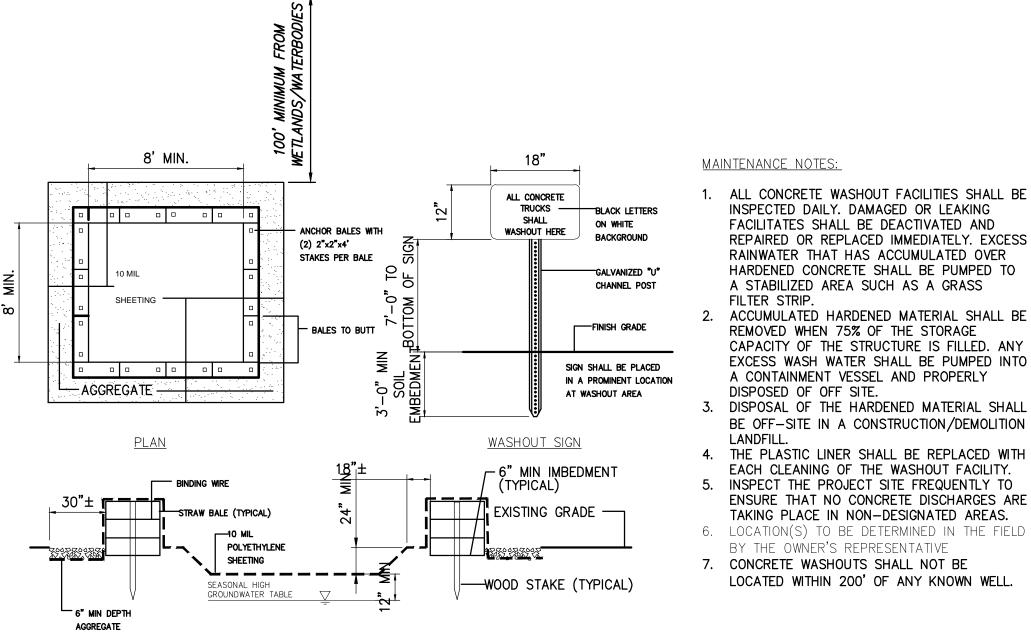
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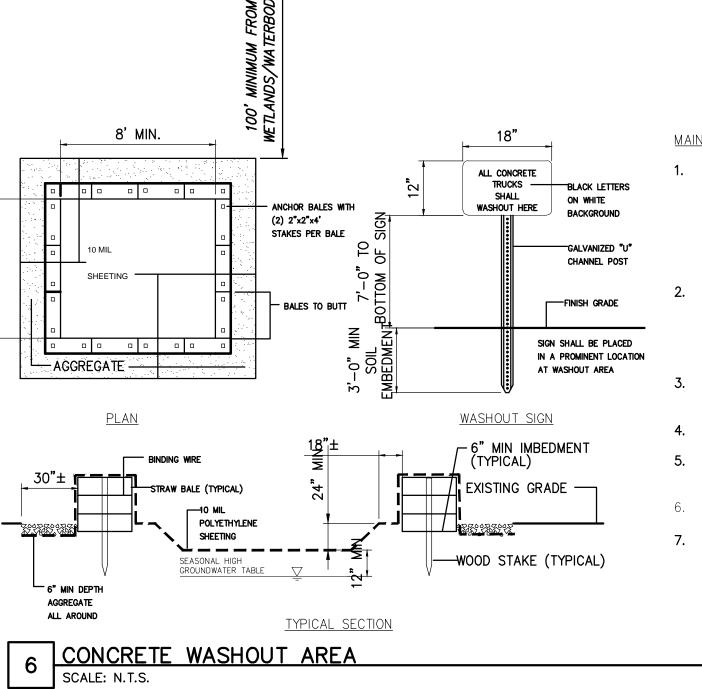
2"





- 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.
- 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.





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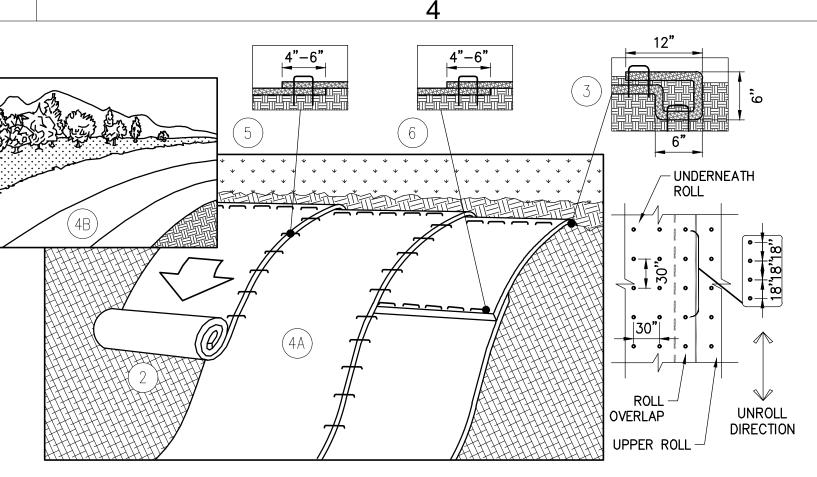
12'

PROTECTED

AREA

KEEP OUT

WARNING SIGN DETAIL (OR APPROVED EQUAL)



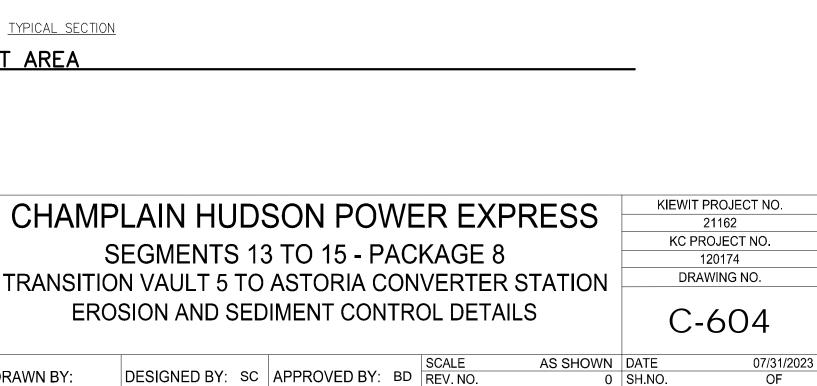
NOTE:

- 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 MANUFACTURERS INSTRUCTIONS.
- 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 SPLICED 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.

EROSION CONTROL BANK STABILIZATION DETAIL

INSPECTED DAILY. DAMAGED OR LEAKING

- FACILITATES 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.
- 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.



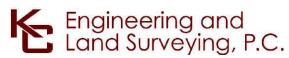


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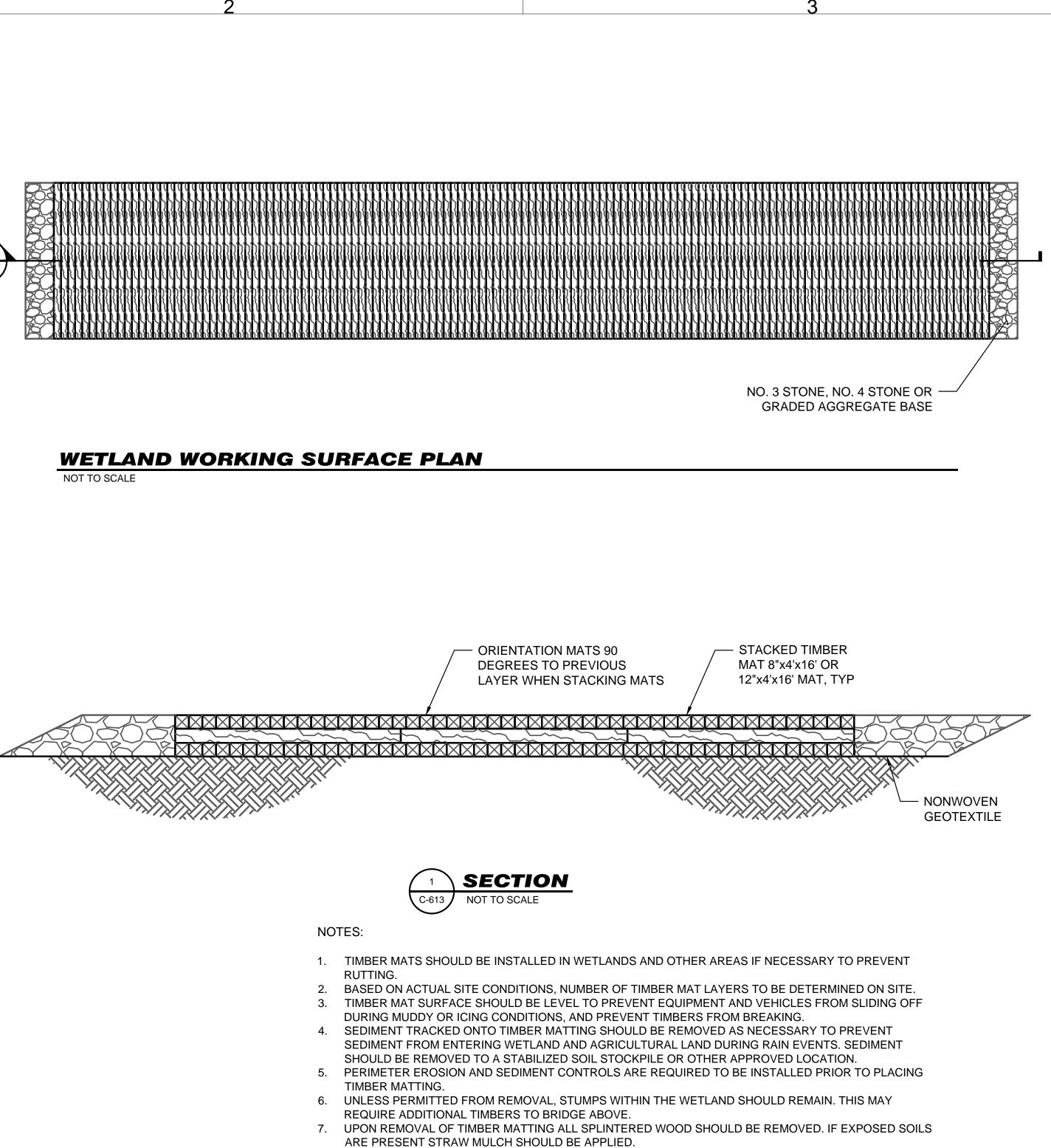
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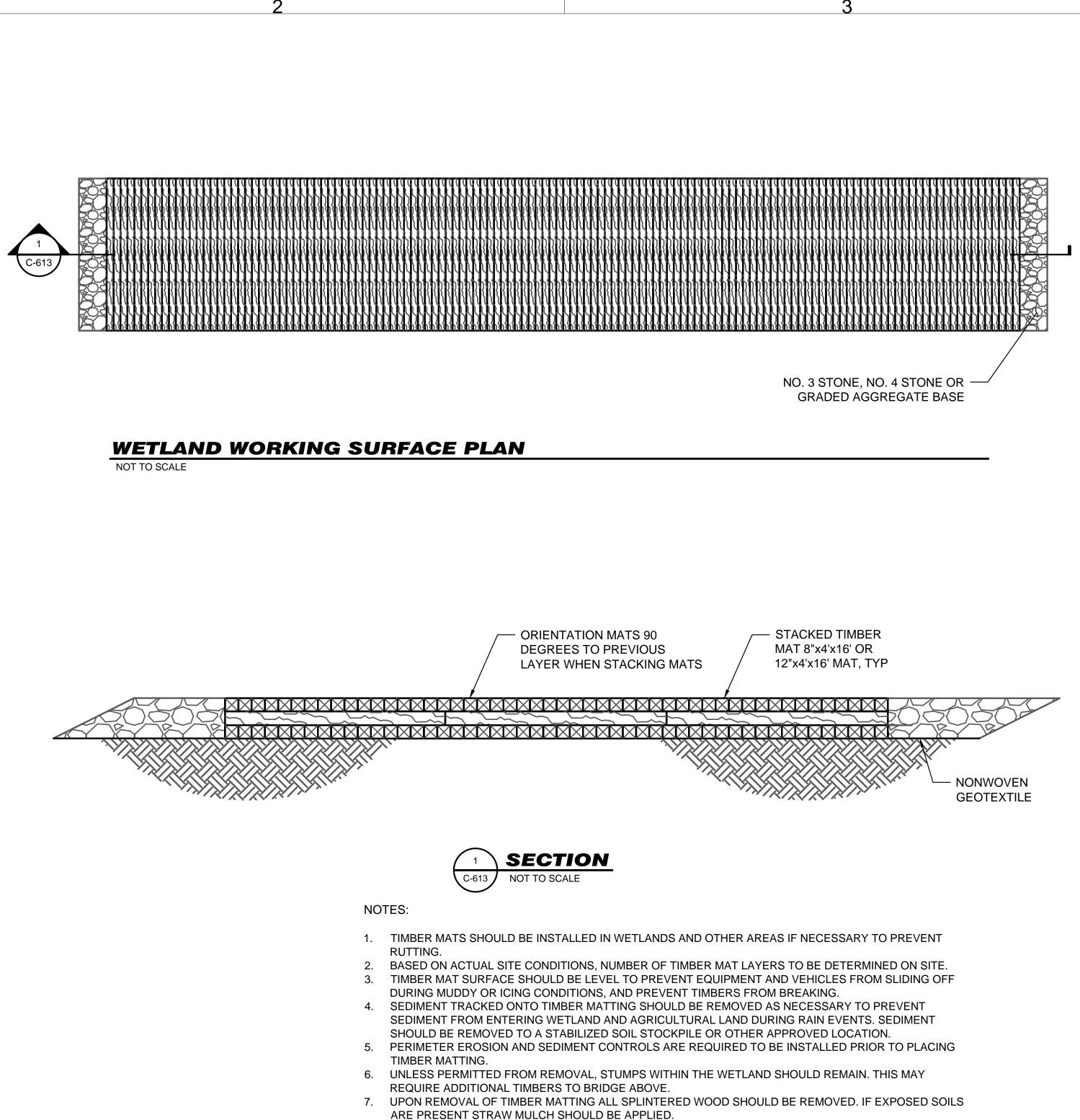
- 1. TIMBER:
- A. TIMBER SHALL BE SELECT STRUCTURAL MIXED OAK WITH A MINIMUM BENDING STRESS OF 1250 PSI OR BETTER.
- 2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO COMMENCING WORK. ANY
- ERRORS, OMISSIONS, OR UNUSUAL CONDITIONS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 3.
- NONWOVEN GEOTEXTILE SHALL BE MIRAFI 180N OR EQUIVALENT APPROVED BY EOR.











- 8. REFER TO EM+CP PLANS FOR EROSION CONTROL DETAILS.
- 9. REFER TO EM+CP PLANS FOR RESTORATION OF WETLAND.



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CHAMPLAIN HUDSON POWER EXPRESS	21162
	KC PROJECT NO.
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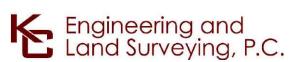
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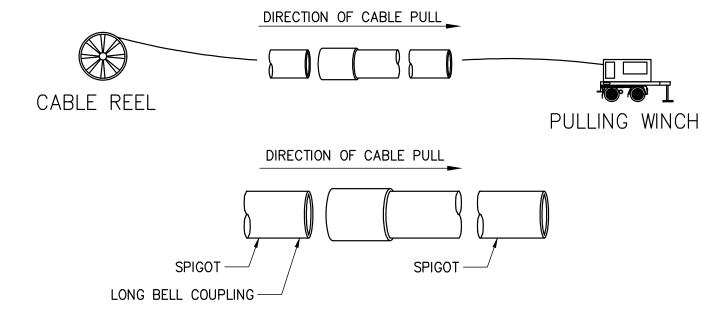
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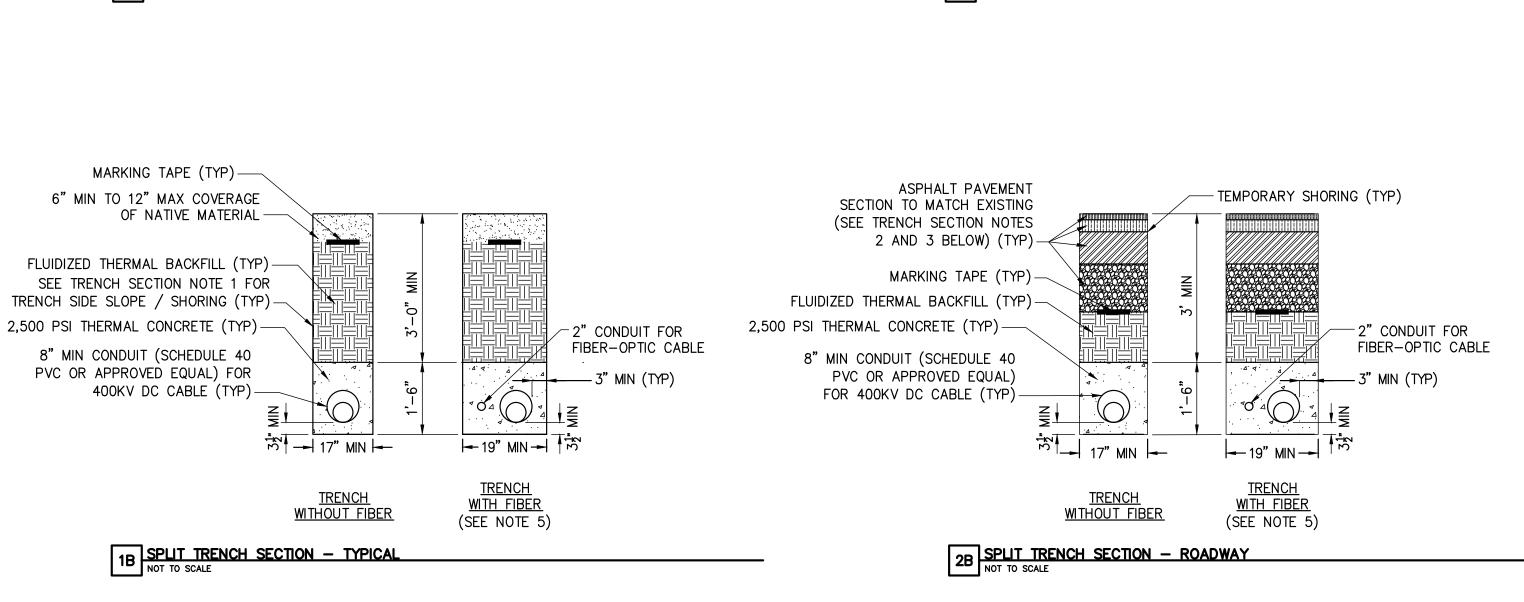
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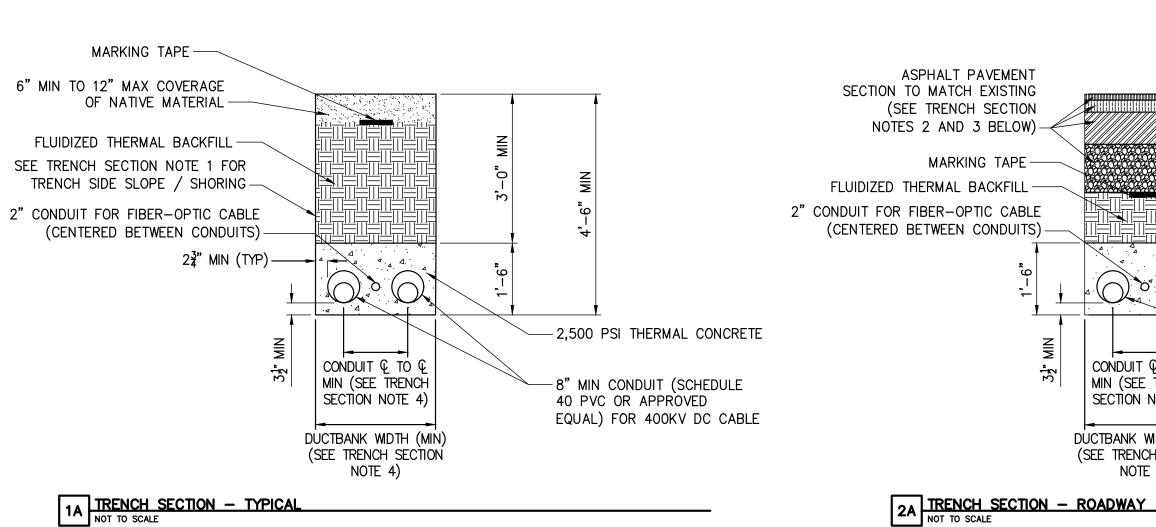






- 4. SEE PLAN AND PROFILE SHEETS FOR CONDUIT € TO € AND DUCTBANK WIDTH (NOTE ABOVE PROFILE VIEW). 5. FIBER TO LEAD IN AND OUT OF (-) POLARITY HDD BORE, AS DENOTED ON PLAN AND PROFILE SHEETS.
- 3. SEE SHEET C-631 FOR SURFACE RESTORATION DETAILS.
- 2. SEE DETAIL 8 ON DETAIL SHEET C-631 FOR PAVEMENT TRANSITION DETAIL.
- 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.



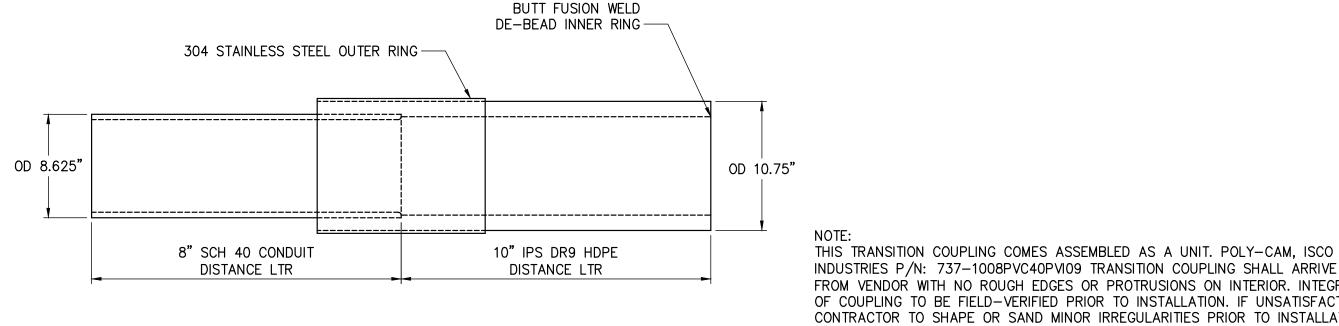


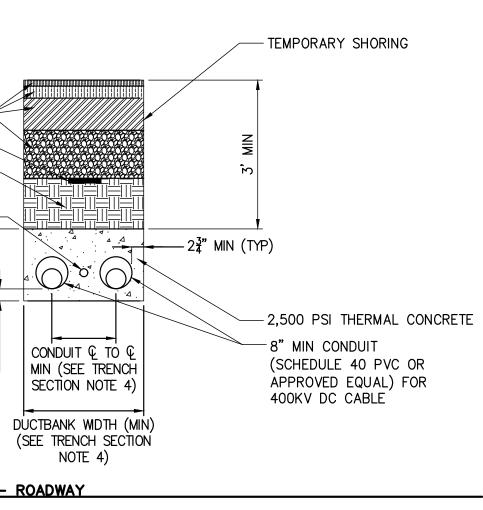
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN 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 THEIRS SIGNATIVES THE DATE OF SICH ALTERATION AND A THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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4 8"-10" PVC/HDPE TRANSITION COUPLING DETAIL NOT TO SCALE

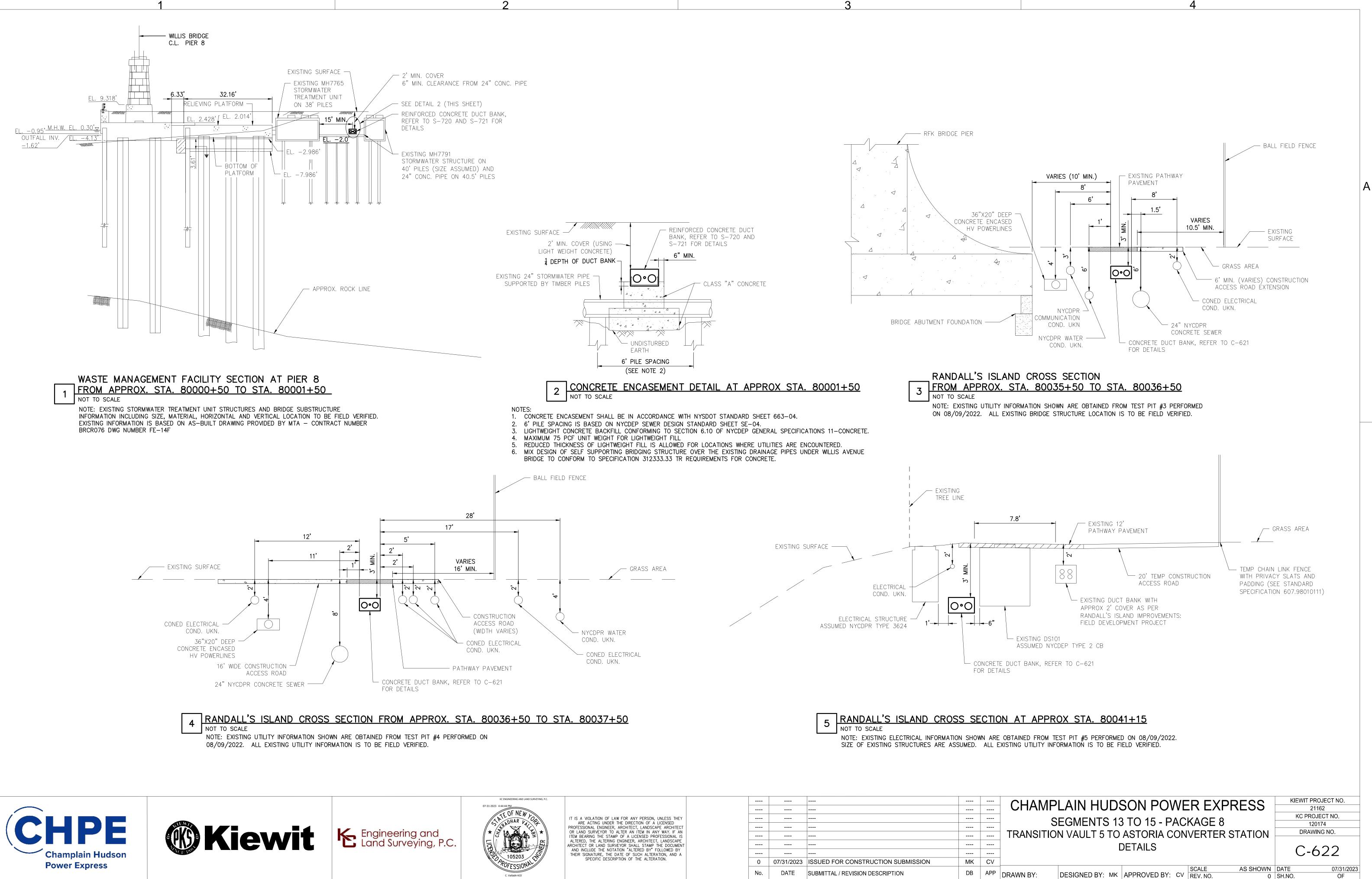




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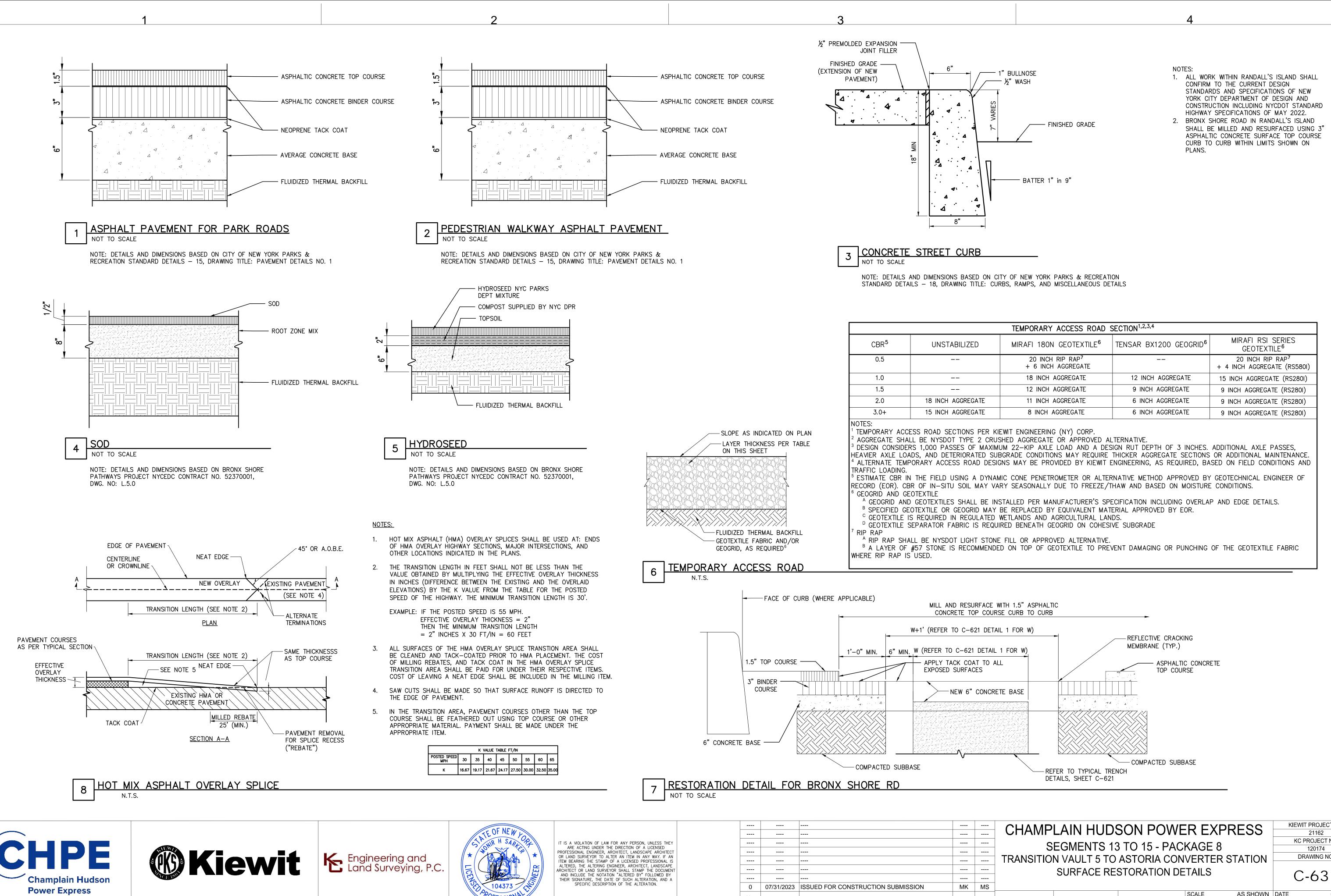
FRC OF	INDUSTRIES P/N: 737-1008PVC40PVI09 TRANSITION COUPLING SHALL ARRIVE FROM VENDOR WITH NO ROUGH EDGES OR PROTRUSIONS ON INTERIOR. INTEGRITY OF COUPLING TO BE FIELD-VERIFIED PRIOR TO INSTALLATION. IF UNSATISFACTORY, CONTRACTOR TO SHAPE OR SAND MINOR IRREGULARITIES PRIOR TO INSTALLATION.								
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TEMPORARY ACCESS ROAD SECTION ^{1,2,3,4}									
MIRAFI 180N GEOTEXTILE ⁶	TENSAR BX1200 GEOGRID ⁶	MIRAFI RSI SERIES GEOTEXTILE ⁶							
20 INCH RIP RAP ⁷ + 6 INCH AGGREGATE		20 INCH RIP RAP ⁷ + 4 INCH AGGREGATE (RS580I)							
18 INCH AGGREGATE	12 INCH AGGREGATE	15 INCH AGGREGATE (RS280I)							
12 INCH AGGREGATE	9 INCH AGGREGATE	9 INCH AGGREGATE (RS280I)							
11 INCH AGGREGATE	6 INCH AGGREGATE	9 INCH AGGREGATE (RS280I)							
8 INCH AGGREGATE	6 INCH AGGREGATE	9 INCH AGGREGATE (RS280I)							

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	SURFACE RE	STORATION DE	TAILS		C-6	31			
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