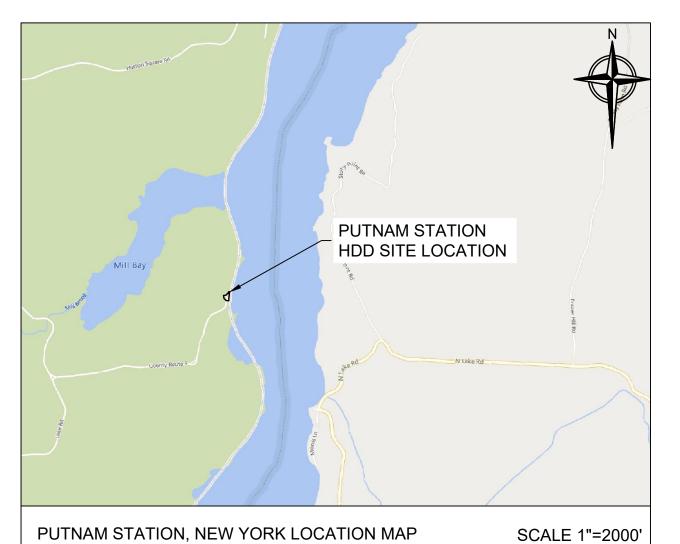
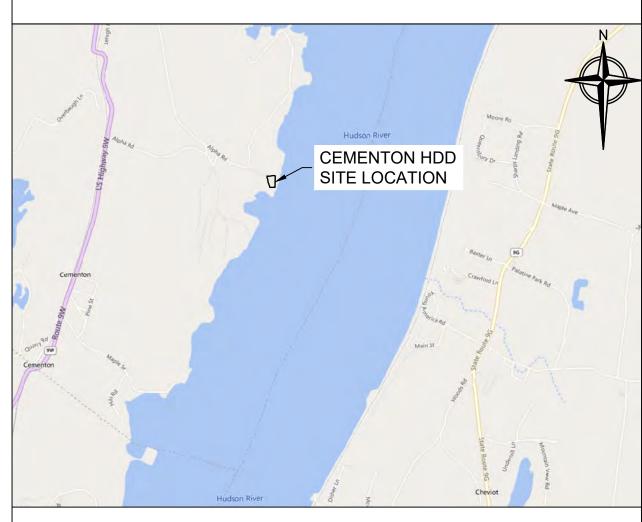
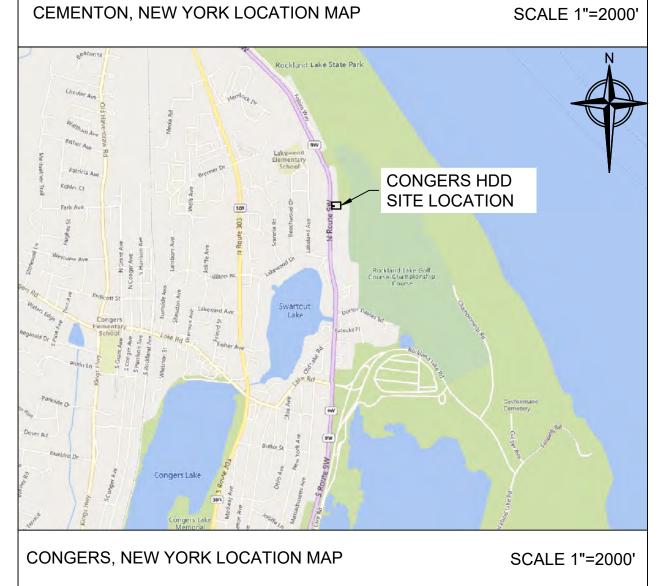


Appendix A: Plan and Profile Drawings







FOR PERMITTING ONLY

CHAMPLAIN HUDSON POWER EXPRESS PUTNAM STATION, CEMENTON, AND CONGERS HDD PLAN & PROFILE DRAWINGS

PROPERTY OWNER TABLE

LOCATION	LANDS NOW OR FORMERLY OF	BOOK, PAGE NO.	TAX MAP ID NO.
PUTNAM STATION LAYDOWN AREA	TOWN OF PUTNAM	3114, 323	52-4.6
PUTNAM STATION	DELAWARE & HUDSON RAILWAY CO.	639, 168	91-10
HDD	ROBERT G. ST. ARMOUR	719, 336	133-21.1
CEMENTON HDD	GLENS FALLS LEHIGH CEMENT CO.	923, 221	213.00-2-3
TOMKINS COVE LAYDOWN AREA	SOUTHERN ENERGY LOVETT, LLC	NA	10.04-2-7
	ISABELLA ROSE REALTY LLC	NA	44.12-2-44
		739, 1165	44.08-1-8
CONGERS HDD	PALISADES INTERSTATE PARK COMMISSION	741, 554	45.09-1-2
	PALISADES INTERSTATE PARK COMMISSION	741, 561	45.05-1-2
		NA	45.05-1-1

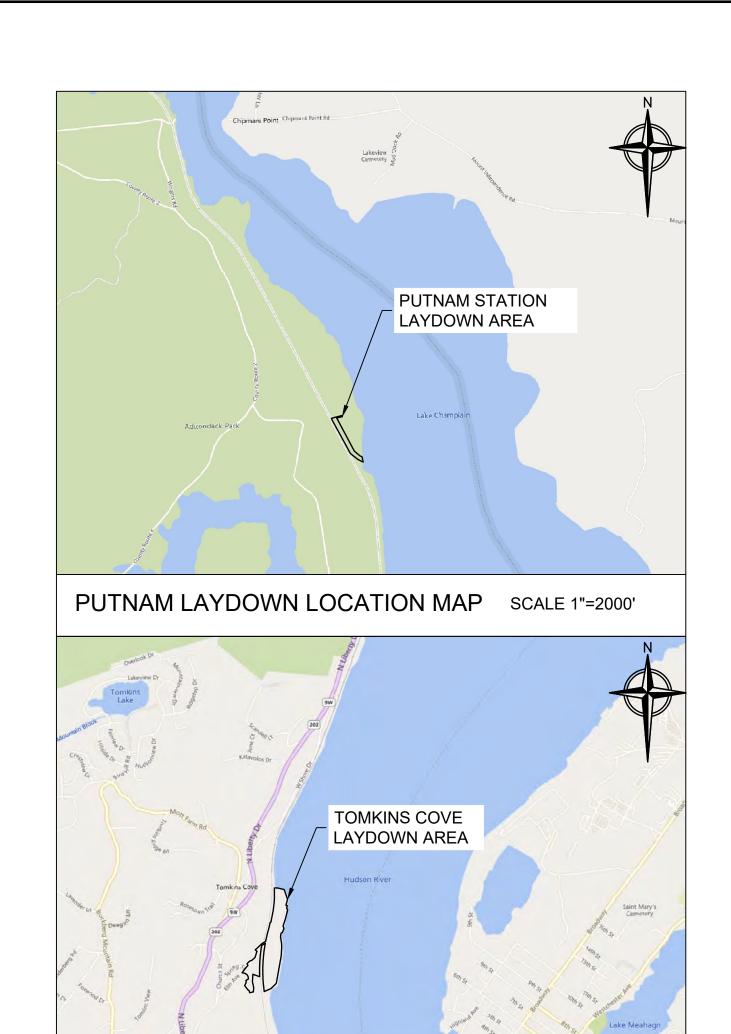
PREPARED FOR:

CALDWELL MARINE INTERNATIONAL 1333 CAMPUS PARKWAY WALL, NEW JERSEY 07753

NOVEMBER 29, 2022 REVISED: FEBRUARY 22, 2023

PREPARED BY:





SHEET NUMBER DRAWING NUMBER **COVER NOTES & LEGEND** 3 MPT-001 PUTNAM STATION MPT AND LAYDOWN AREA PLAN 4 HDD-002 PUTNAM STATION HDD 1 PLAN AND PROFILE HDD-003 PUTNAM STATION HDD 2 PLAN AND PROFILE MPT-004 PUTNAM STATION HDD MPT AND LAYOUT PLAN HDD-005 PUTNAM STATION HDD EQUIPMENT LAYOUT PLAN HDD-006 PUTNAM STATION RAILROAD CROSSING PLAN HDD-007 TOMKINS COVE LAYDOWN AREA PLAN 10 HDD-008 **CEMENTON HDD 1 PLAN AND PROFILE CEMENTON HDD 2 PLAN AND PROFILE** 11 HDD-009 12 CEMENTON HDD MPT AND ACCESS ROAD PLAN MPT-010 13 HDD-011 CEMENTON HDD LAYOUT PLAN 14 HDD-012 CEMENTON HDD EQUIPMENT LAYOUT PLAN 15 HDD-013 CONGERS HDD 1 PLAN AND PROFILE 16 HDD-014 CONGERS HDD 2 PLAN AND PROFILE 17 MPT-015 CONGERS HDD MPT AND LAYOUT PLAN CONGERS HDD EQUIPMENT LAYOUT PLAN 18 HDD-016 PUTNAM STATION & CEMENTON CONDUCTOR PIPE/GOAL 19 HDD-017 POST/GRAVITY CELL INSTALLATION HDD-018 CONGERS CONDUCTOR PIPE/GOAL POST/GRAVITY CELL INSTALLATION 20 21 HDD-019 **CONGERS HDD BARGE ARRANGEMENT**

CONGERS HDD BARGE ARRANGEMENT

DETAILS

22

23

HDD-020

HDD-021

TOMKINS COVE LOCATION MAP

DRAWING INDEX

SCALE 1"=2000'

GENERAL NOTES:

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL NECESSARY CONSTRUCTION NOTIFICATIONS, PERMITS AND ACTIVITIES WITH THE CERTIFICATE HOLDERS PRIOR TO AND DURING CONSTRUCTION.
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ARRANGEMENTS IF TRAFFIC CONTROL PLANS AND/OR RAILROAD REPRESENTATION ARE REQUIRED.
- 3. CONTRACTOR TO LOCATE, MARK AND POTHOLE FOREIGN LINES AS NECESSARY PRIOR TO EXCAVATION (AND MONITOR DURING DRILLING).
- 4. THE DRILLS SHALL NOT BE DEEPER OR CLOSER THAN WHAT IS SHOWN. ANY DEVIATION IN THE PROPOSED DRILL PATH SHALL BE HIGHER AND FURTHER AWAY FROM THE ADJACENT DRILL.
- 5. LOCATIONS OF EXISTING FACILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO LOCATE AND/OR CONFIRM THE LOCATIONS AND DEPTH OF ALL UTILITIES, PIPELINES OR OTHER OBSTACLES PRIOR TO EXCAVATION. CONTRACTOR TO INFORM ENGINEER OF ANY UTILITY FOUND THAT MAY AFFECT HDD DESIGN.
- 6. CONTRACTOR TO SUPPORT EXISTING UTILITIES, PIPELINES AND/OR OTHER FEATURES.
- 7. CONTRACTOR TO GRADE EXCAVATION AREA AND RESTORE TO ORIGINAL CONDITIONS.
- 8. CONTRACTOR TO CONTACT STATE ONE CALL SYSTEM AT LEAST 72 HOURS PRIOR TO DRILLING.

REFERENCE NOTES

- 1. AERIAL PHOTOGRAPHY ON PLAN AND PROFILE SHEETS HDD-002, HDD-003, HDD-008, HDD-009, HDD-013, & HDD-014 OBTAINED FROM MICROSOFT CORPORATION BING IMAGERY.
- 2. BASE PLAN REFERENCES A ROW, UTILITY & WETLAND SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC.
- 3. BASE PLAN HAS BEEN SUPPLEMENTED WITH INFORMATION PROVIDED BY CALDWELL MARINE, CLOUGH HARBOR ASSOCIATES AND NEW YORK GIS CLEARING HOUSE.
- 4. LAKE CHAMPLAIN BATHYMETRIC DATA PROVIDED BY OCEAN SURVEYS INC. IN OCTOBER 2022.

PROJECTION SYSTEM

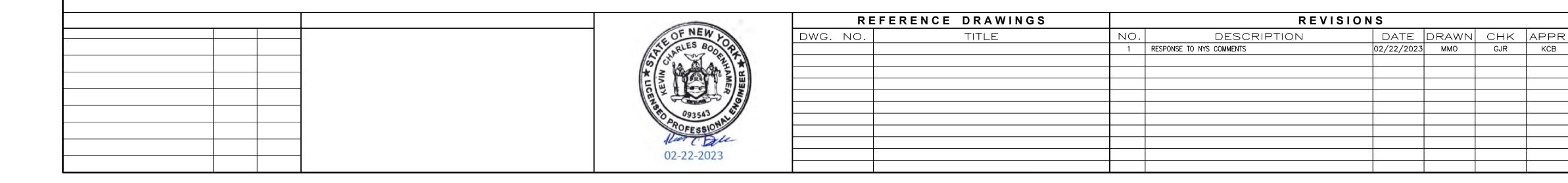
1. NAD83 / NEW YORK EAST (U.S. SURVEY FEET).

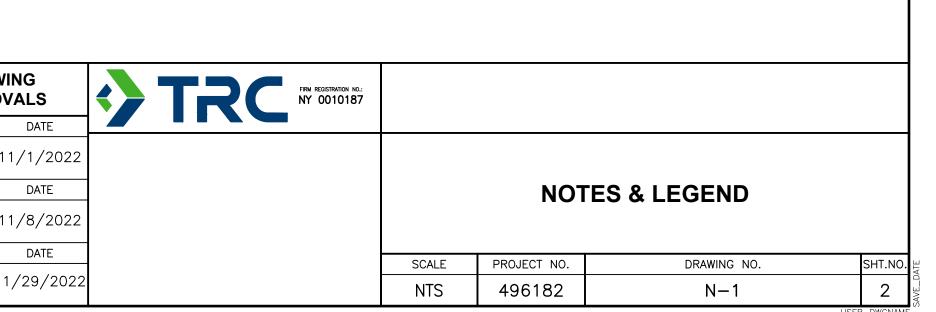
INSTALLATION NOTES:

- 1. ACCESS: ALL EQUIPMENT MUST ACCESS THE LIMITS THE DISTURBANCE FROM PREVIOUSLY IMPROVED PUBLIC OR APPROVED PRIVATE ROADS.
- 2. WORK SPACE: LIMITS OF DISTURBANCE ARE DEPICTED HEREIN. LIMITED TREE CLEARING IS REQUIRED FOR PUTNAM STATION HDD OPERATIONS AND VEGETATION REMOVAL WILL BE LIMITED TO PRUNING OF LIMBS AND TRIMMING OF UNDERGROWTH AS NEEDED AROUND THE LIMITS OF THE CEMENTON AND CONGERS HDD OPERATIONS AREA. CLEARING BETWEEN THE ENTRY AND EXIT POINTS IS NOT ANTICIPATED. THE DEBRIS GENERATED FROM THE LIMITED PRUNING OF TREES AND THE TRIMMING OF UNDERGROWTH WILL BE COLLECTED IN A ROLL OFF DUMPSTER AND DISPOSED OF AT THE GREENWICH TRANSFER STATION IN WASHINGTON COUNTY LOCATED AT 291 FIDDLERS ELBOW ROAD, GREENWICH, NY 12834.
- 3. WATER SOURCE: DRILL WATER SHALL BE OBTAINED FROM AN APPROVED SOURCE. THE CONTRACTOR WILL MAKE ARRANGEMENTS TO OBTAIN WATER FROM A LOCAL FIRE HYDRANT. WATER USAGE SHALL BE METERED AND OBTAINED THROUGH AN APPROVED BACK FLOW PREVENTER.
- 4. SPILL-PREVENTION: THE MOST RECENT VERSION OF THE SPILL PREVENTION PLAN (SPP) IS INCLUDED AS APPENDIX F OF THE CALDWELL MARINE HDD INSTALLATION MANUAL. THE CALDWELL MARINE HDD INSTALLATION MANUAL IS INCLUDED AS APPENDIX F OF THE ENVIRONMENTAL MANAGEMENT AND CONTROL PLAN (EM&CP). ALL REFUELING AND STORAGE IS ADDRESSED IN THE SPP. ALL PUMPS SHALL BE SET IN SECONDARY CONTAINMENT AND IN ACCORDANCE WITH THE SPP. EQUIPMENT AND PUMPS OPERATING WITHIN 100 FEET OF ANY WATER BODY OR WETLAND SHALL BE OPERATED AND REFUELED IN ACCORDANCE WITH THE SPP. EQUIPMENT REFUELING AND STORAGE OF HAZARDOUS MATERIALS, FUELS, ETC. SHALL BE CONDUCTED AT LEAST 100 FEET FROM WATER BODIES AND WETLAND WHERE PRACTICAL. EACH CONSTRUCTION CREW SHALL HAVE ON HAND SUFFICIENT TOOLS AND MATERIALS TO STOP LEAKS AND HAVE SUPPLIES OF ABSORBENT AND BARRIER MATERIALS TO ALLOW RAPID CONTAINMENT AND RECOVERY OF SPILLED MATERIALS.
- 5. EROSION AND SEDIMENT CONTROL: CONTRACTOR SHALL SUPPLY, INSTALL AND MAINTAIN SEDIMENT CONTROL STRUCTURES IN ACCORDANCE WITH CONTRACT DOCUMENTS. CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL STRUCTURES AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR OR AS NEEDED TO ENSURE SEDIMENT-LADEN RUNOFF FROM NEWLY DISTURBED AREAS IS PREVENTED FROM FLOWING OUTSIDE THE LIMITS OF DISTURBANCE.
- 6. MUD DISPOSAL: CONTRACTOR SHALL DISPOSE OF EXCESS DRILLING MUD AS DIRECTED BY THE COMPANY REPRESENTATIVE IN ACCORDANCE WITH PERMIT CONDITIONS. UNDER NO CIRCUMSTANCES SHALL DRILLING FLUID BE DISPOSED OF IN WATER BODIES OR WETLANDS. ANY DRILLING MUD WHICH INADVERTENTLY EXITS AT POINTS OTHER THAN THE ENTRY AND EXIT POINTS SHALL BE CONTAINED AND COLLECTED TO THE EXTENT PRACTICAL AND DISPOSED OF AS DIRECTED BY THE COMPANY REPRESENTATIVE IN ACCORDANCE WITH PERMIT CONDITIONS. DRILLING MUD WILL BE DISPOSED OF AT CLEAN EARTH NEW JERSEY, IN KEARNY, NJ OR AT AN ALTERNATE APPROVED FACILITY.
- 7. CLEANUP/STABILIZATION/RESTORATION: ALL DISTURBED AREAS SHALL BE RETURNED TO THE ORIGINAL CONDITIONS. DISTURBED AREAS SHALL BE SEEDED AND TEMPORARY EROSION/SEDIMENT CONTROL DEVICES SHALL BE REMOVED ONCE THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED AND APPROVED BY THE QUALIFIED INSPECTOR. REFER TO THE SEED MIXTURES LISTED IN TABLE 4.4 OF APPENDIX G OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP IS INCLUDED AS APPENDIX I OF THE EM&CP.
- 8. CONTRACTOR SHALL USE A GYROSCOPIC DRILL HEAD ON THE PILOT DRILL TO ENSURE ACCURATE EXIT LOCATION WITHIN THE TEMPORARY MODULAR GRAVITY CELLS.

LEGEN

LOD	PROPOSED LIMITS OF DISTURBANCE
SF	PROPOSED SILT FENCE
	PROPOSED LAYDOWN AREA
	TEMPORARY EASEMENT
	PROPOSED HDD CONDUIT
	PROPOSED HDD ENTRY/EXIT POINTS
	PROPOSED GEOTECH BORE HOLE LOCATIONS
	EXISTING TREE LINE
	EXISTING RAILROAD TRACKS
——————————————————————————————————————	EXISTING OVERHEAD WIRES
UU	EXISTING UNDERGROUND UTILITY
ST	EXISTING DRAINAGE CULVERT
	EXISTING FENCE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING DEPRESSION/ LOW LYING AREA
····	EXISTING LAKE EDGE
	EXISTING WETLAND
·	EXISTING 100-FOOT WETLAND ADJACENT AREA
	PARCEL BOUNDARIES
	EXISTING NATURAL VEGETATION
Ø UP	EXISTING UTILITY POLE





MMO

ENGINEER

PROPOSED WORK NOTES:

- 1. LAND DISTURBANCE IS NOT ANTICIPATED. TIMBER MATTING WITHIN GRASSED AREAS SHOULD BE USED WHEN SOFT OR POORLY DRAINED SOILS ARE PRESENT TO PREVENT EQUIPMENT RUTTING AND SEDIMENT TRACKING.
- 2. THE EXISTING ACCESS ROAD AND LAYDOWN AREA IS ANTICIPATED TO SUPPORT THE PIPE FUSING OPERATION IN IT'S CURRENT CONDITION. MINOR ACCESS SURFACE IMPROVEMENTS AND INSTALLATION OF ADDITIONAL EROSION CONTROLS WILL BE IMPLEMENTED AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM FLOWING OUTSIDE OF THE LAYDOWN AREA.
- 3. MPT PLAN:
- 3.1. TEMPORARY 'CONSTRUCTION TRAFFIC AHEAD' WARNING SIGNS WILL BE INSTALLED 100-FEET FROM THE EXISTING ACCESS VIA LAPOINTE LANE TO THE TOWN OF PUTNAMS PROPERTY ON BOTH LOWER ROAD APPROACHES. FINAL SIGN TEXT AND LOCATIONS TO BE COORDINATED WITH AND APPROVED BY THE LAND OWNERS AND CERTIFICATE HOLDERS.
- 3.2. THE CONTRACTOR SHALL PROVIDE A FLAGGER DURING HEAVY EQUIPMENT DELIVERY TO THE LAYDOWN AREA IN ACCORDANCE WITH CHAPTER 6E, FLAGGER CONTROL, OF THE 2009 MUTCD, REVISION 3 DATED JULY 2022.

REFERENCE NOTES:

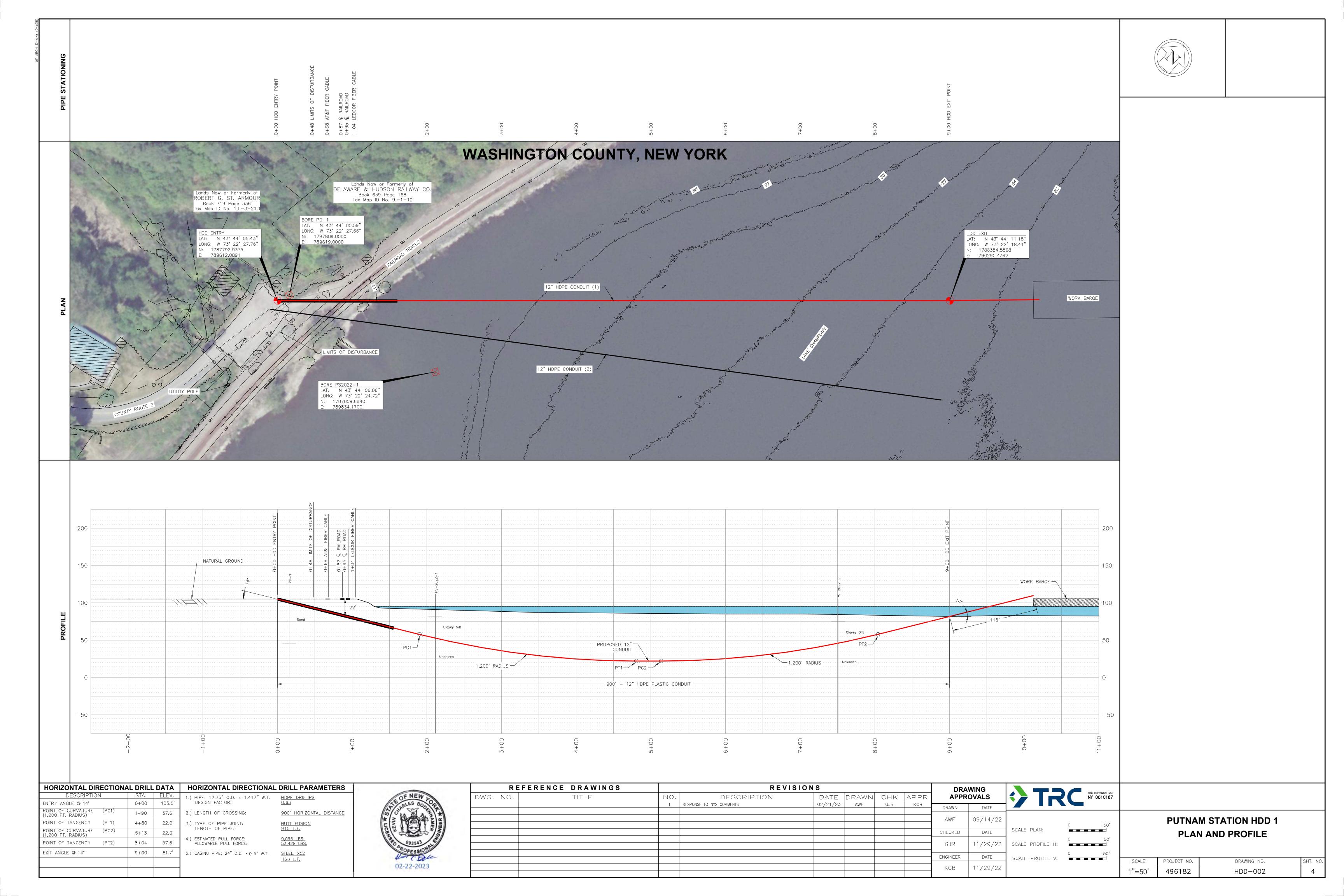
- 1. AERIAL PHOTOGRAPHY OBTAINED FROM THE NEW YORK GIS CLEARINGHOUSE, STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, DATED SEPTEMBER 2017.
- 2. PARCEL DATA OBTAINED FROM NEW YORK GIS CLEARINGHOUSE, DIGITAL MAPS DATABASE, NYS STATEWIDE 2021 PARCEL LAYER, PUBLISHED OCTOBER 2022.
- 3. LIMITS OF LAYDOWN AREA PROVIDED BY CALDWELL MARINE INC. IN SEPTEMBER 2022.
- 4. TRC PERFORMED A WETLAND AND WATERBODY PRESENCE/ABSENCE INSPECTION OF THE PROPOSED LAYDOWN AREA LIMITS ON OCTOBER 24, 2022. NO WETLANDS OR DEC REGULATED ADJACENT AREAS WERE FOUND TO BE PRESENT WITHIN THE LIMITS OF THE PROPOSED LAYDOWN AREA. THE LIMITS

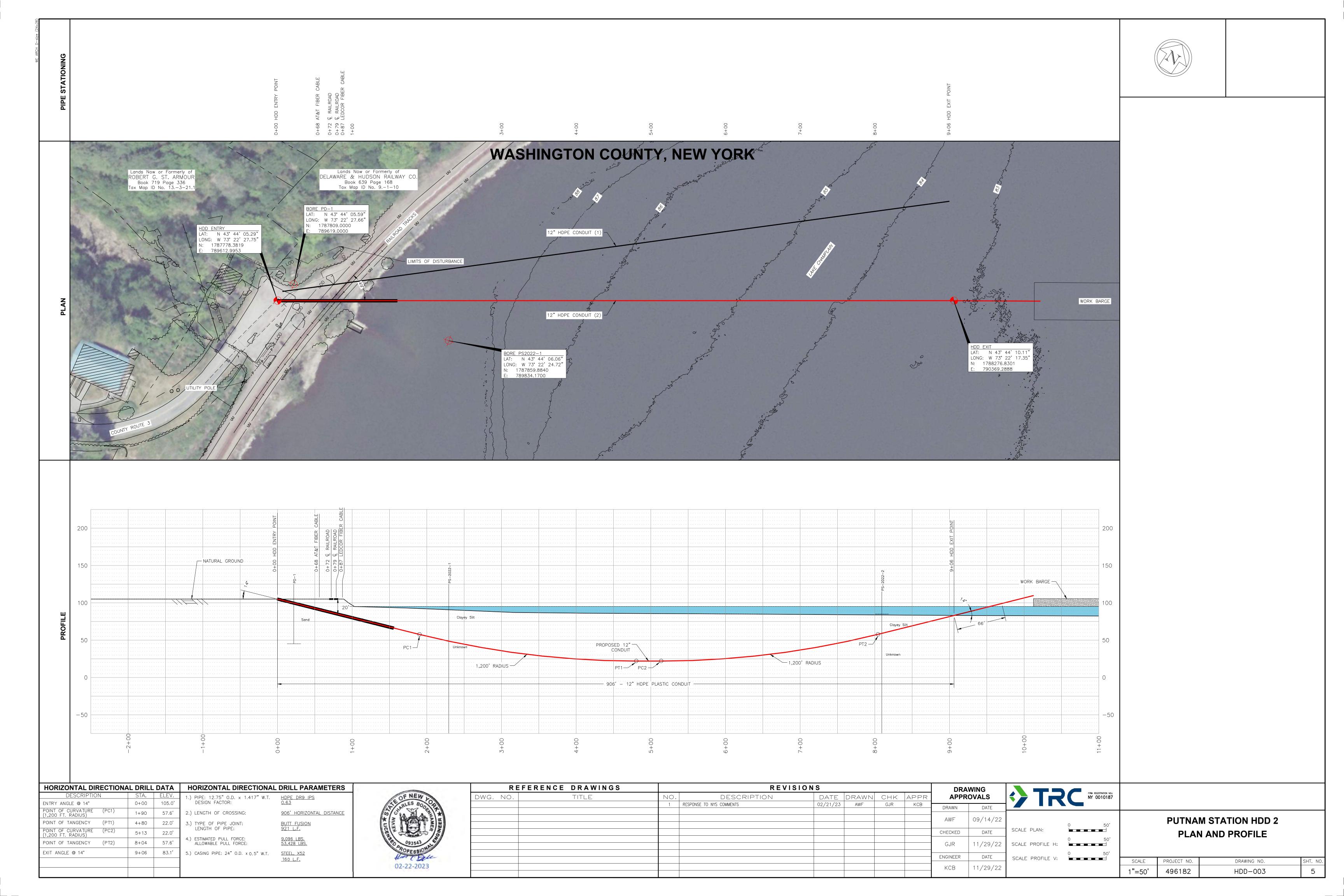


1"=100'

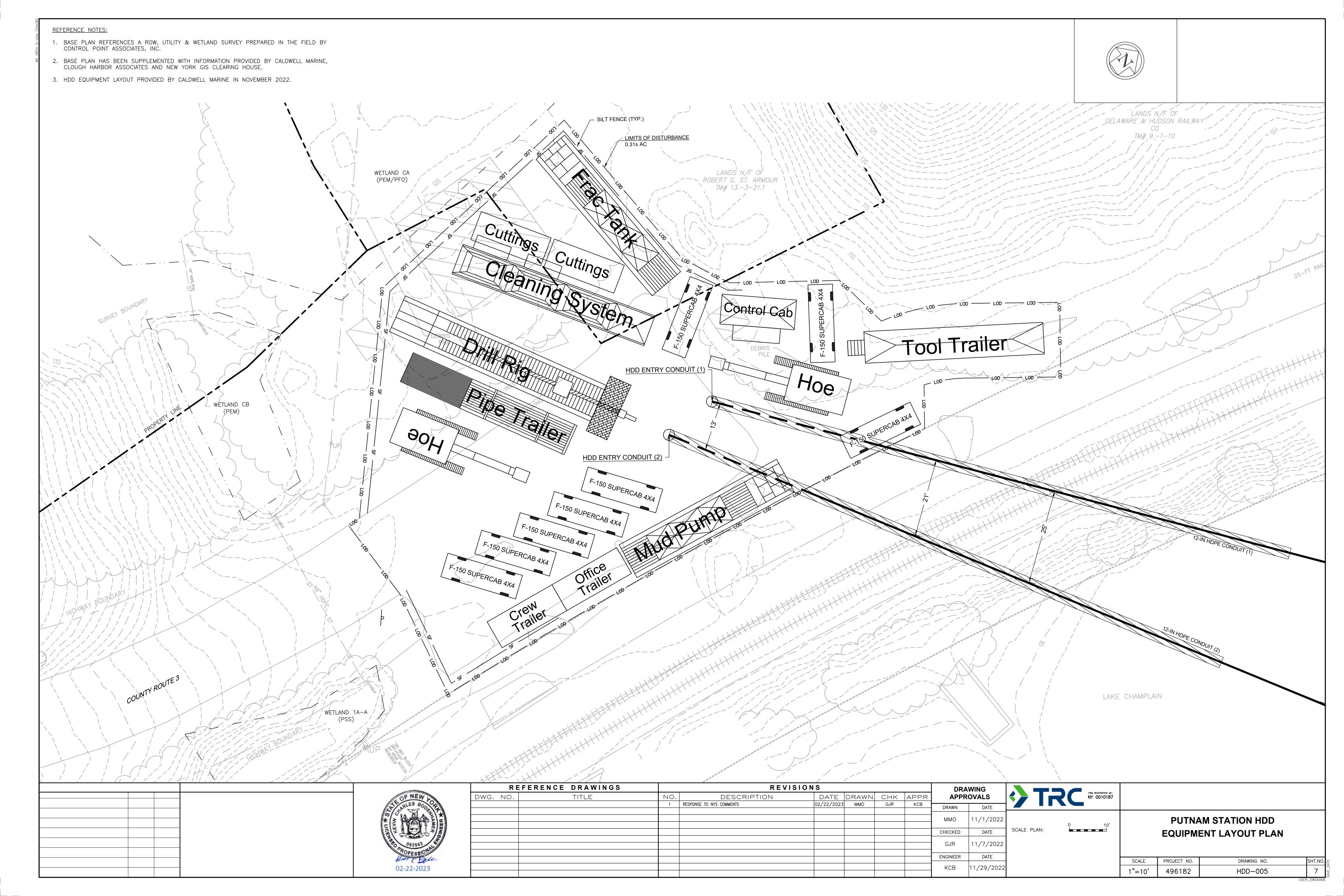
MPT-001

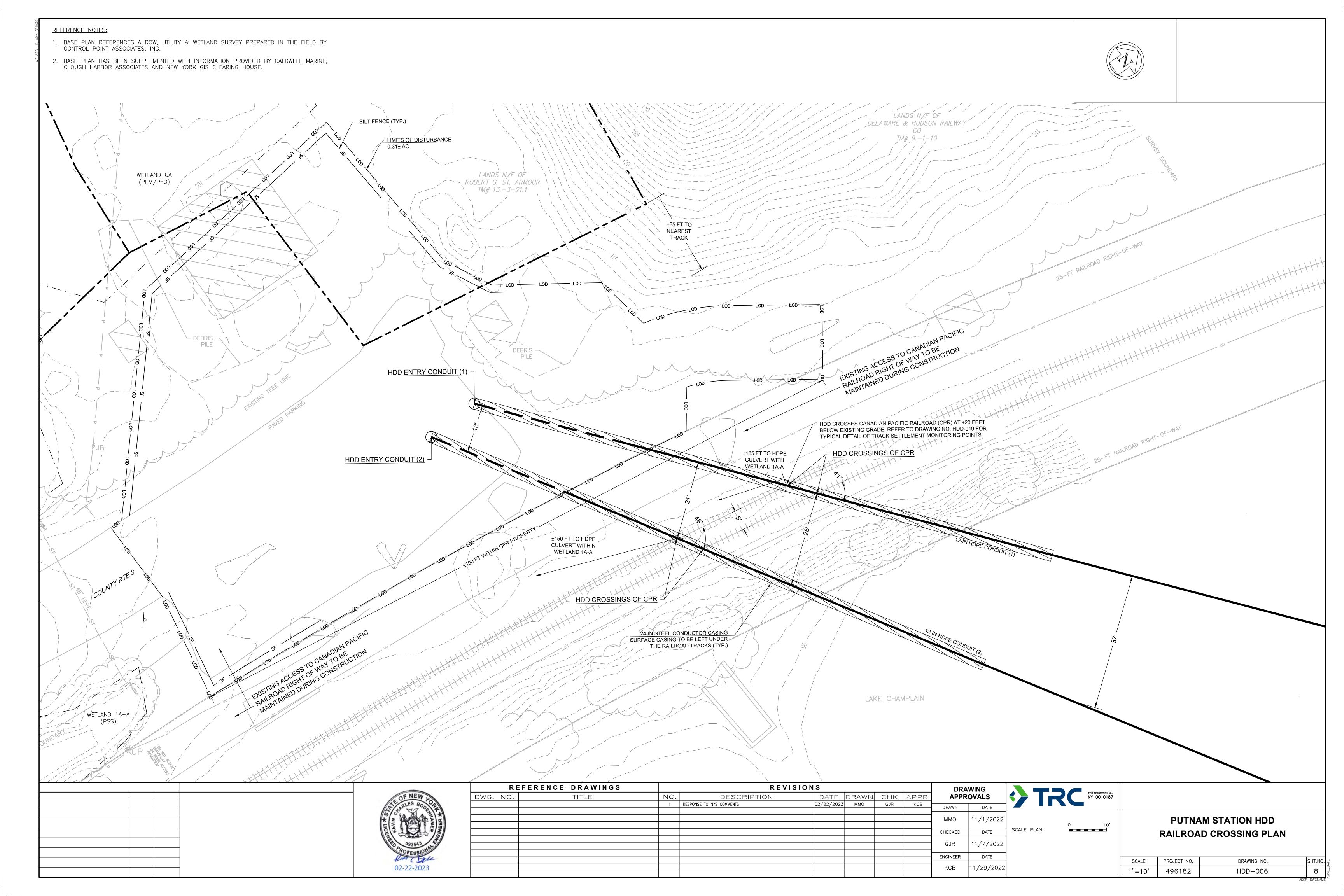






PROPOSED WORK NOTES: REFERENCE NOTES: 1. ALL HDD CONSTRUCTION OPERATIONS AND PARKING WILL BE CONTAINED WITHIN THE LIMITS OF DISTURBANCE. VEGETATION REMOVAL IS ANTICIPATED TO BE LIMITED TO THE REMOVAL OF THE TREES WITHIN THE IMMEDIATE VICINITY OF THE 1. BASE PLAN REFERENCES A ROW, UTILITY & WETLAND SURVEY PREPARED IN THE FIELD BY CONTROL BUILDING REMAINS TO THE EAST OF THE PAVED PARKING AREA, PRUNING OF LIMBS AND TRIMMING OF UNDERGROWTH ALONG THE PERIMETER OF THE HDD WORKSPACE, NO HERBICIDE USE IS PERMITTED. ALL DISTURBED AREAS SHALL BE POINT ASSOCIATES, INC. 2. BASE PLAN HAS BEEN SUPPLEMENTED WITH INFORMATION PROVIDED BY CALDWELL MARINE, CLOUGH HARBOR ASSOCIATES AND NEW YORK GIS CLEARING HOUSE. 2. NO EXISTING ACCESS IMPROVEMENTS ARE ANTICIPATED. THE PAVED PARKING AREA SHALL BE RE-SURFACED AS NECESSARY TO SUPPORT HDD CONSTRUCTION OPERATIONS AND PREVENT SEDIMENT-LADEN RUNOFF TO FLOW OUTSIDE OF THE LIMITS OF DISTURBANCE. 3. MPT PLAN: 3.1. TEMPORARY 'CONSTRUCTION TRAFFIC AHEAD' WARNING SIGN WILL BE INSTALLED IN THE SHOULDER OF COUNTY ROUTE 3 100-FEET FROM THE LIMITS OF DISTURBANCE. FINAL SIGN TEXT AND LOCATIONS TO BE COORDINATED WITH AND APPROVED BY THE LAND OWNERS AND CERTIFICATE HOLDERS. 3.2. THE CONTRACTOR SHALL PROVIDE A FLAGGER DURING HEAVY EQUIPMENT DELIVERY TO THE HDD WORKSITE IN ACCORDANCE WITH CHAPTER 6E, FLAGGER CONTROL, OF THE 2009 MUTCD, REVISION 3 DATED JULY 2022. ROBERT G. ST. ARMUUR UTILITY POLE (TYP. — HDD WORKSPACE LIMITS OF DISTURBANCE COUNTY ROUTE 3 - 'CHPE PUTNAM STATION WORKSITE ENTRANCE' SIGN WARNING SIGN CONSTRUCTION TRAFFIC AHEAD DELAWARE & HUDSON RAILWAY - 130 INSET VIEW- MPT PLAN SCHEMATIC WETLAND CA W20-1 (MOD) (PEM/PFO) LIMITS OF DISTURBANCE LANDS N/F OF 0.31± AC CHARLES HOLMAN - SILT FENCE (TYP.) DANIELLE DRINKWINE-HOLMAN TM# 13.-3-21.2 HDD WORKSPACE SEE PROPOSED - EXISTING STRUCTURES -WORK NOTES NO MAJOR ACCESS IMPROVEMENTS ANTICIPATED. -MINOR IMPROVEMENTS MAY BE REQUIRED AS NECESSARY TO ENSURE SAFE ACCESS. HDD ENTRY CONDUIT (1) N:1787792.99 REFER TO INSET VIEW FOR MPT PLAN SCHEMATIC. HDD ENTRY CONDUIT (2) E:789612.12 N:1787778.37 E:789612.99 OPÉN TRÉNCHED CONDUITS FROM HDD CONDUIT TO STUB-UPS AT TRANSITION VAULT (TYP.) (BY OTHERS) - HDD TRANSITION VAULT (CONNECTIONS TO CONDUIT STUB-UPS BY OTHERS) 'CHPE PUTNAM STATION WORKSITE ENTRANCE' SIGN SEE PROPOSED WORK NOTES LAKE CHAMPLAIN REFERENCE DRAWINGS REVISIONS TITLE DESCRIPTION DATE DRAWN CHK APPR DWG. NO. NO. 02/22/2023 MMO GJR KCB 1 RESPONSE TO NYS COMMENTS **PUTNAM STATION HDD** MMO SCALE PLAN: MPT AND LAYOUT PLAN CHECKED DATE GJR DATE ENGINEER SCALE PROJECT NO. DRAWING NO. 11/29/2022 MPT-004 1"=20'



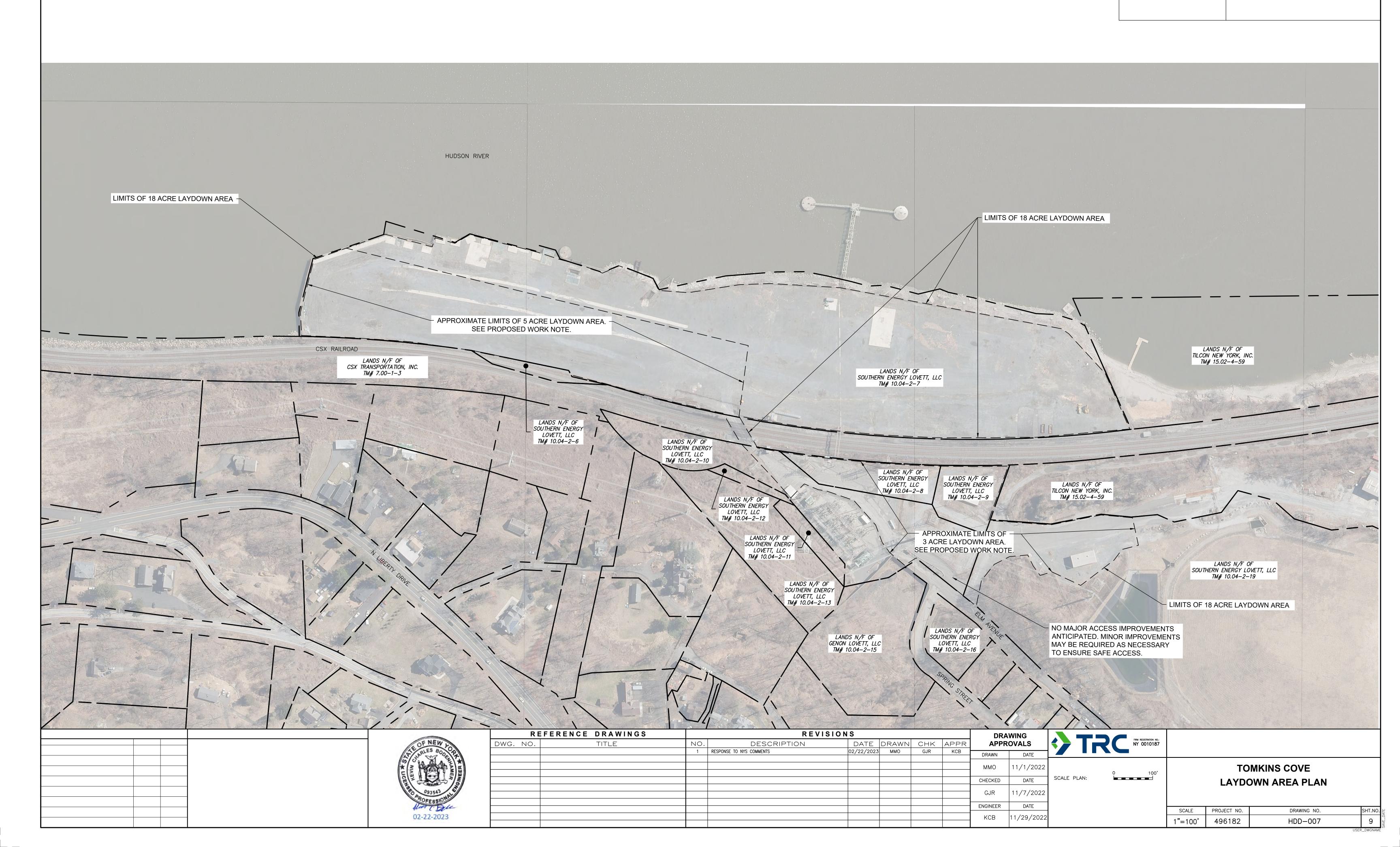


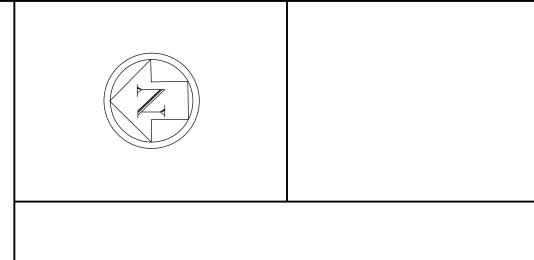
1. LAND DISTURBANCE IS NOT ANTICIPATED. 8 ACRES OF THE LARGER 18 ACRE LAYDOWN AREA IS ANTICIPATED TO BE USED TO SUPPORT TERRESTRIAL, SUBMARINE AND HDD CONSTRUCTION OPERATIONS. THE REMAINING 10 ACRES MAY POTENTIALLY BE USED TO SUPPORT THE CHPE PROJECT IF NEEDED.

REFERENCE NOTES:

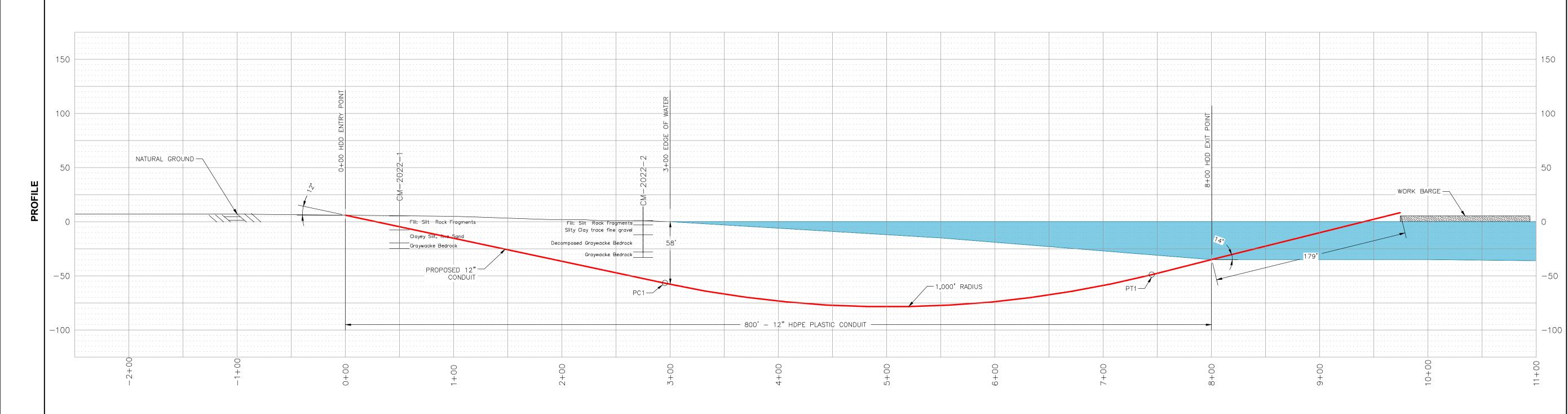
- 1. AERIAL PHOTOGRAPHY OBTAINED FROM THE NEW YORK GIS CLEARINGHOUSE, STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, DATED SEPTEMBER 2017.
- 2. PARCEL DATA OBTAINED FROM NEW YORK GIS CLEARINGHOUSE, DIGITAL MAPS DATABASE, NYS STATEWIDE 2021 PARCEL LAYER, PUBLISHED OCTOBER 2022.
- 3. LIMITS OF LAYDOWN AREA PROVIDED BY TRANSMISSION DEVELOPERS INC. IN SEPTEMBER 2022.











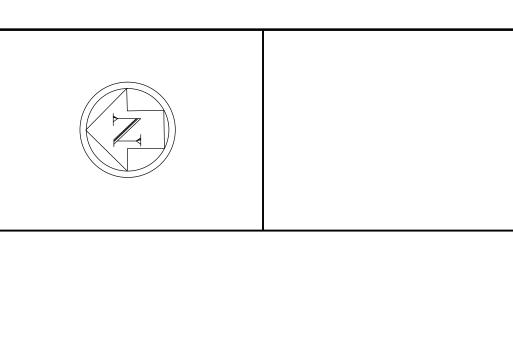
HORIZONTAL DIRECTIONA	L DRILL	DATA	HORIZONTAL DIRECTIONAL DRILL PARAMETERS		
DESCRIPTION	STA. ELEV.		1.) PIPE: 12.75" O.D. x 1.417" W.T.	HDPE DR9 IPS	
ENTRY ANGLE @ 12°	0+00	6.0'	DESIGN FACTOR:	0.63	
POINT OF CURVATURE (PC1) (1,000 FT. RADIUS)	2+95	-56.8	2.) LENGTH OF CROSSING:	800' HORIZONTAL DISTANCE	
POINT OF TANGENCY (PT1)	7+45	-48.8	3.) TYPE OF PIPE JOINT:	BUTT FUSION	
EXIT ANGLE @ 14°	8+00	-35.0'	LENGTH OF PIPE:	<u>812 L.F.</u>	
			4.) ESTIMATED PULL FORCE: ALLOWABLE PULL FORCE:	7,971 LBS. 53,428 LBS.	

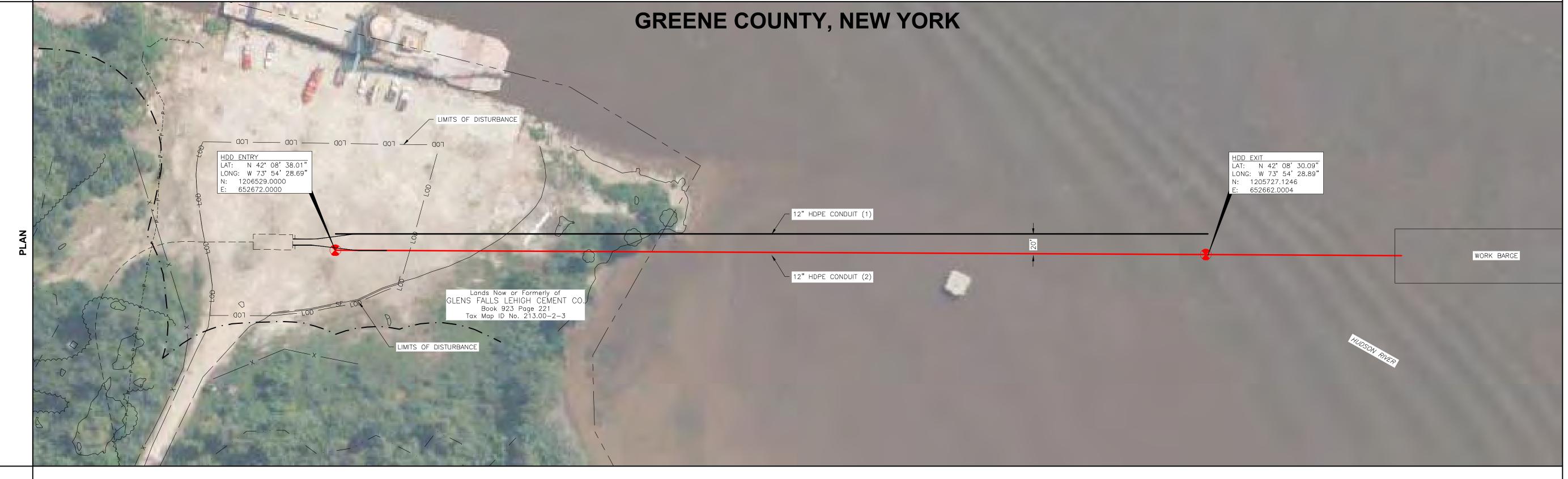
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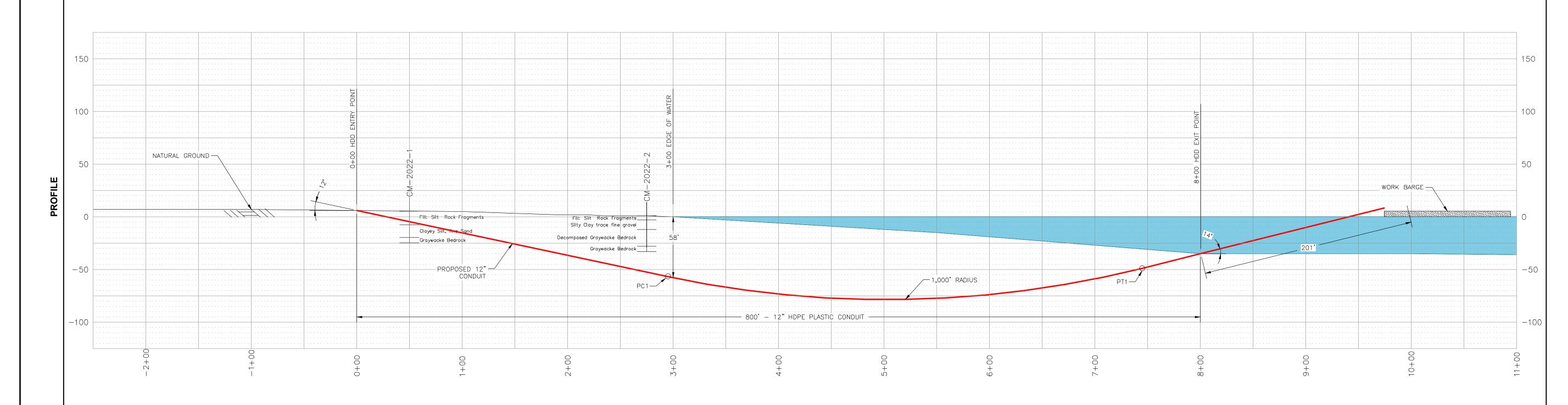
	AWING	DR/	REVISIONS			REVISIO		REFERENCE DRAWINGS		
	ROVALS	APPF	APPR	CHK	DRAWN	DATE	DESCRIPTION	NO.	TITLE	DWG. NO.
TE TE	DATE	DRAWN	KCB	GJR	AWF	02/21/23	RESPONSE TO NYS COMMENTS	1		
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SCALE DIANA										
TE 30, (LE 1 12 ((1))	DATE	CHECKED								
9/22 SCALE PROFILE H:	11/29/22	GJR								
TE SCALE PROFILE V:	DATE	ENGINEER								
SOME THOTIES VI										
3/22	11/29/22	KCB								

CEMENTON HDD 1	
PLAN AND PROFILE	

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Ī	SCALE	PROJECT NO.	DRAWING NO.	SHT. NO.
	1"=50'	496182	HDD-008	10







HORIZONTAL DIRECTIONA	L DRILL	. DATA	HORIZONTAL DIRECTIONAL	DRILL PARAMETERS
DESCRIPTION	STA.	ELEV.	1.) PIPE: 12.75" O.D. x 1.417" W.T.	HDPE DR9 IPS
ENTRY ANGLE @ 12°	0+00	6.0'	DESIGN FACTOR:	0.63
POINT OF CURVATURE (PC1) (1,000 FT. RADIUS)	2+95	-56.8	2.) LENGTH OF CROSSING:	800' HORIZONTAL DISTANCE
POINT OF TANGENCY (PT1)	7+45	-48.8	3.) TYPE OF PIPE JOINT: LENGTH OF PIPE:	BUTT FUSION 812 L.F.
EXIT ANGLE @ 14°	8+00	-35.0'	LENGIN OF PIPE,	012 L.F.
			4.) ESTIMATED PULL FORCE: ALLOWABLE PULL FORCE:	7,971 LBS. 53,428 LBS.

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DWG. NO.	TITLE	NO.	DESCRIPTION	DATE	DRAWN	CHK	APPR	APPR	OVALS	
		1	RESPONSE TO NYS COMMENTS	02/21/23	AWF	GJR	KCB	DRAWN	DATE	
		+						AWF	00/14/22	
								AWF	09/14/22	(
								CHECKED	DATE	SCALE PLAN:
								GJR	11/29/22	SCALE PROFILE H:
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								ENGINEER	DATE	SCALE PROFILE V:
								KCB	11/29/22	
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CEMENTON HDD 2	
PLAN AND PROFILE	

),				
	SCALE	PROJECT NO.	DRAWING NO.	SHT. NO.
	1"=50'	496182	HDD-009	11

PROPOSED WORK NOTES:

1. THE EXISTING ACCESS ROAD IS ANTICIPATED TO SUPPORT HDD CONSTRUCTION OPERATIONS IN IT'S CURRENT CONDITION. MINOR ACCESS SURFACE IMPROVEMENTS AND INSTALLATION OF ADDITIONAL EROSION CONTROLS WILL BE IMPLEMENTED AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM FLOWING OUTSIDE OF THE LIMITS OF DISTURBANCE.

2. MPT PLAN:

- 2.1. TEMPORARY 'CONSTRUCTION TRAFFIC AHEAD' WARNING SIGNS WILL BE INSTALLED 100-FEET FROM THE EXISTING ACCESS VIA ALPHA BOULEVARD TO GLENS FALL LEHIGH CEMENT CO PROPERTY ON BOTH ROUTE 9W APPROACHES. FINAL SIGN TEXT AND LOCATIONS TO BE COORDINATED WITH AND APPROVED BY THE LAND OWNERS AND CERTIFICATE HOLDERS.
- 2.2. THE CONTRACTOR SHALL PROVIDE A FLAGGER DURING HEAVY EQUIPMENT DELIVERY TO THE HDD WORKSITE IN ACCORDANCE WITH CHAPTER 6E, FLAGGER CONTROL, OF THE 2009 NUTCD, REVISION 3 DATED JULY 2022.

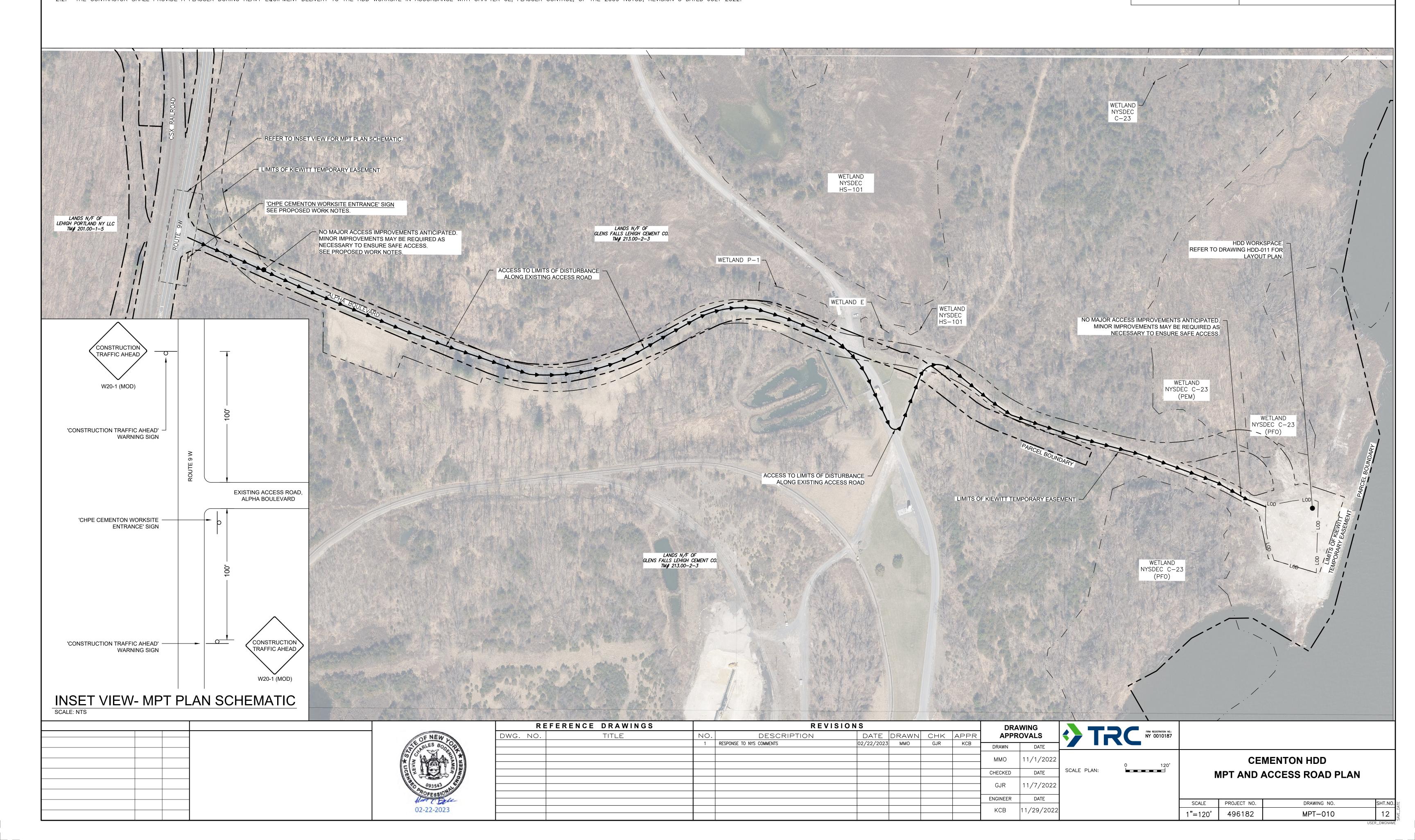
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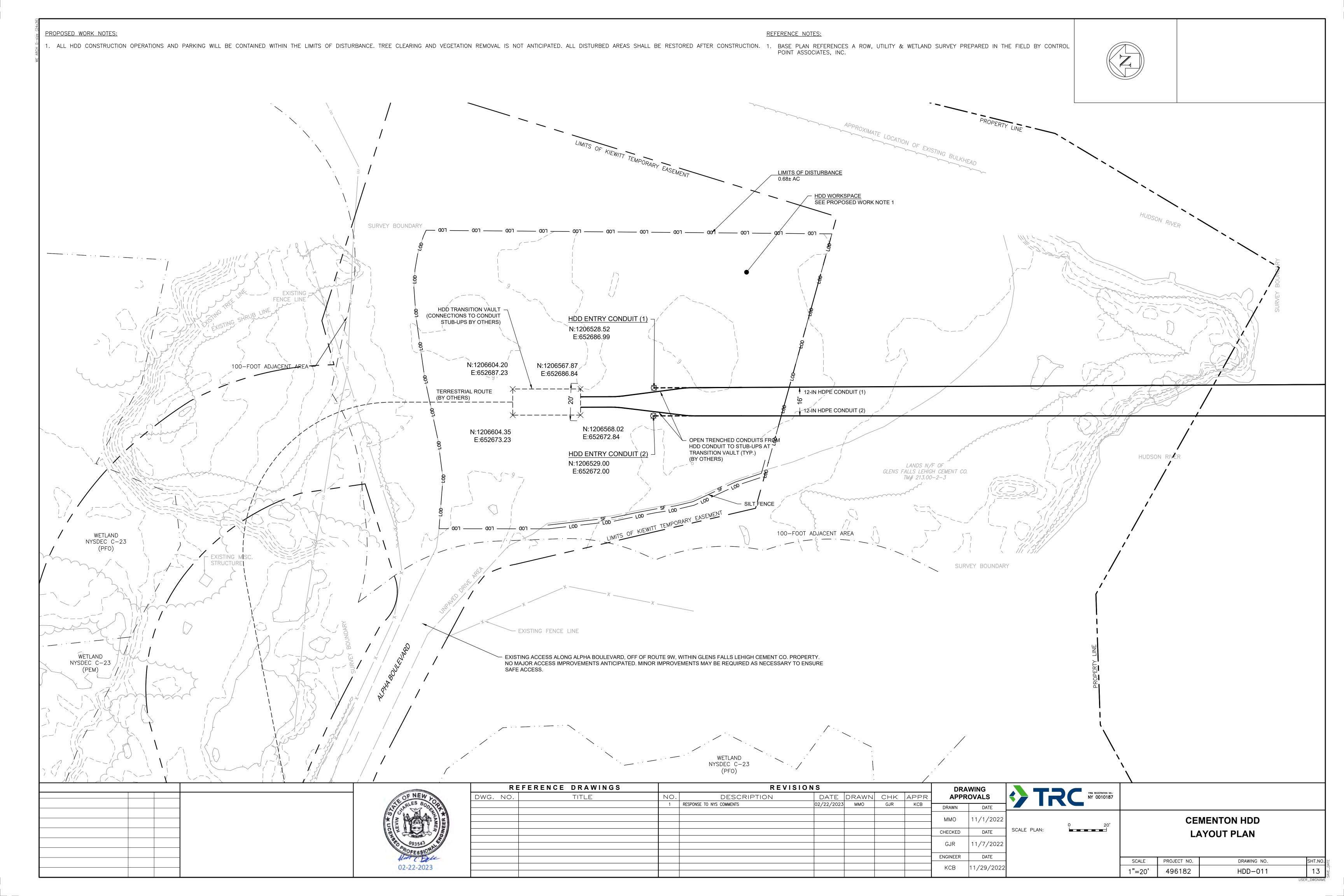
WETLANDS GIS DATA.

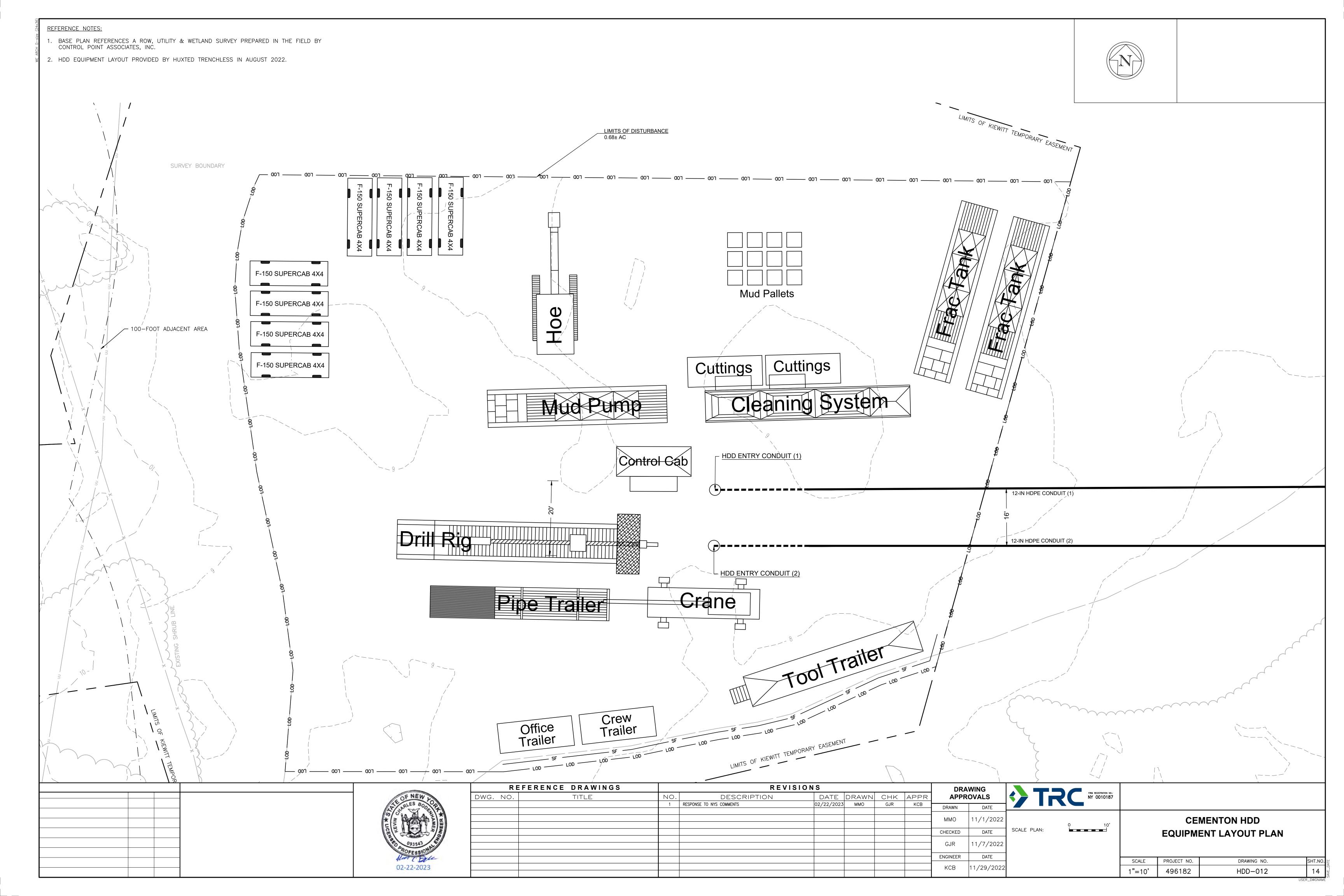
- 1. AERIAL PHOTOGRAPHY OBTAINED FROM THE NEW YORK GIS CLEARINGHOUSE, STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, DATED SEPTEMBER 2017.
- 2. PARCEL DATA OBTAINED FROM NEW YORK GIS CLEARINGHOUSE, DIGITAL MAPS DATABASE, NYS STATEWIDE 2021 PARCEL LAYER, PUBLISHED OCTOBER 2022.
- 3. WETLANDS DELINEATED IN THE FIELD BY CHA AND SUPPLEMENTED WITH NYSDEC FRESHWATER

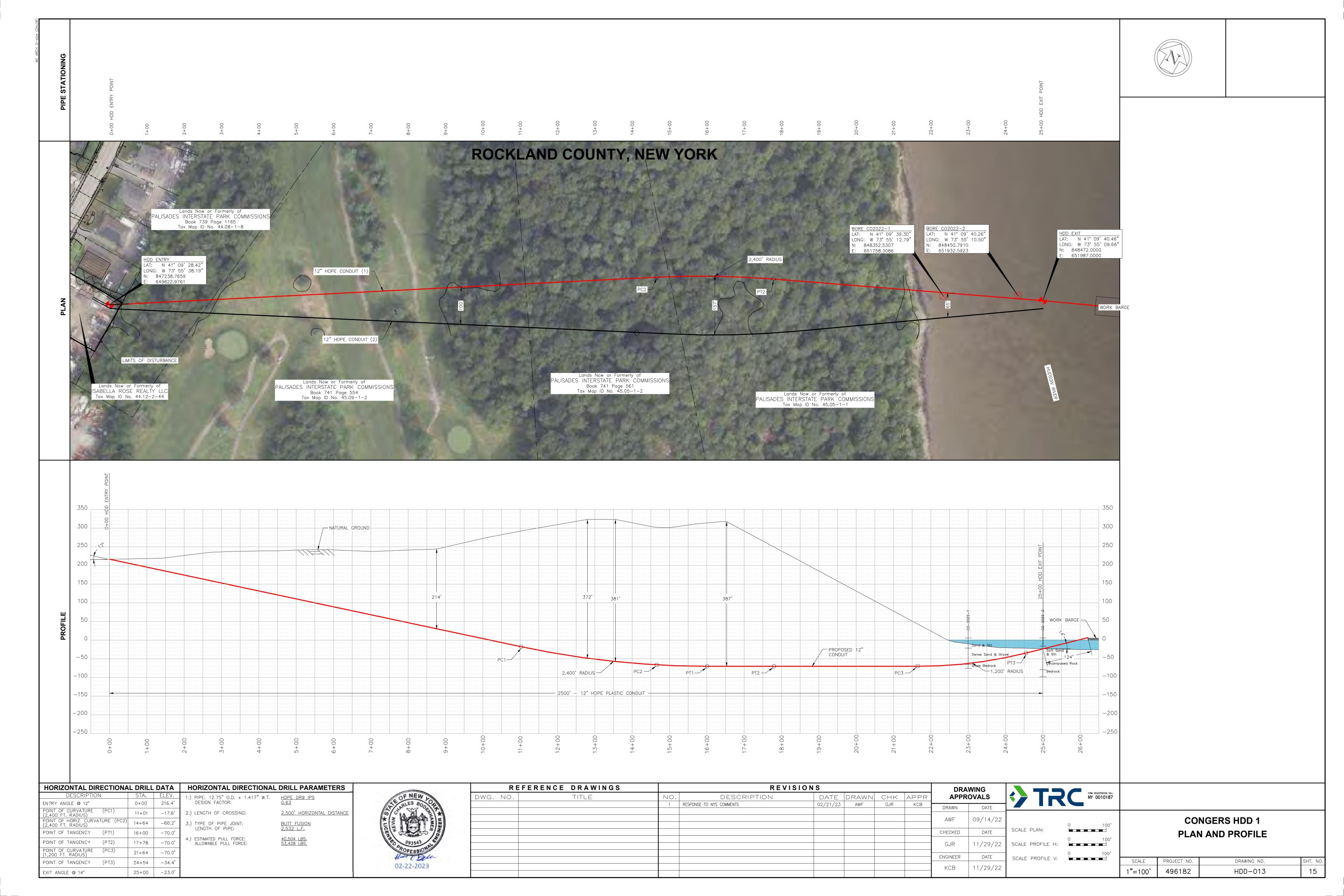


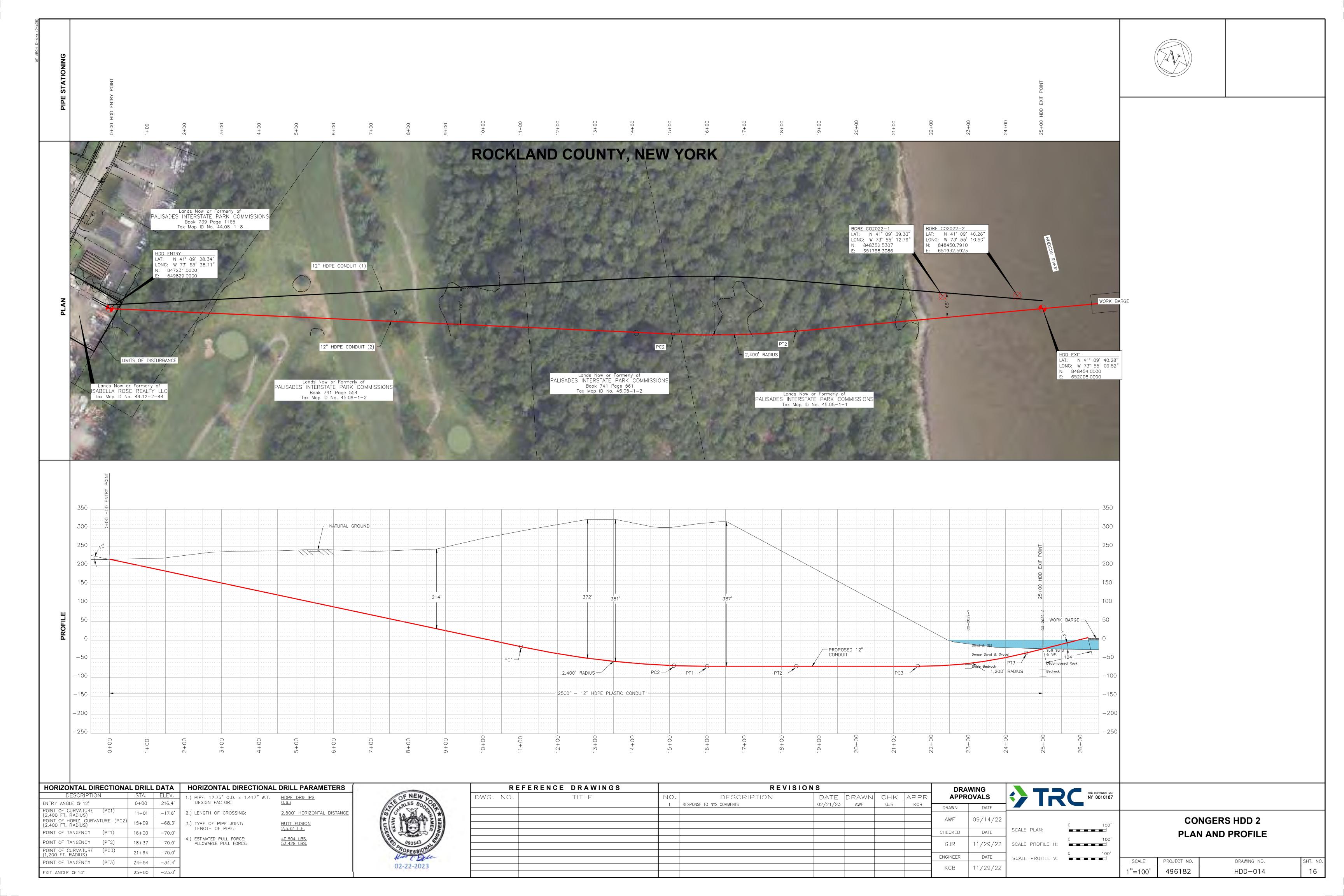












PROPOSED WORK NOTES:

- 1. ALL HDD CONSTRUCTION OPERATIONS, LAYDOWN, AND PARKING WILL BE CONTAINED WITHIN THE LIMITS OF DISTURBANCE. TREE CLEARING IS NOT ANTICIPATED. VEGETATION REMOVAL IS ANTICIPATED TO BE LIMITED TO PRUNING OF LIMBS AND TRIMMING OF UNDERGROWTH ALONG THE PERIMETER OF THE HDD WORKSPACE, NO HERBICIDE USE IS PERMITTED. ALL DISTURBED AREAS SHALL BE RESTORED AND RE-VEGETATED AFTER CONSTRUCTION.
- 2. THE EXISTING ACCESS TO THE PROPERTY SHALL SUPPORT HDD CONSTRUCTION OPERATIONS AND PREVENT SEDIMENT-LADEN RUNOFF TO FLOW OUTSIDE OF THE LIMITS OF DISTURBANCE. THE EXTENT OF THE TEMPORARY CONSTRUCTION AREA WILL BE COORDINATED WITH THE LAND OWNER, ISABELLA ROSE REALTY LLC.

3. MPT PLAN:

- 3.1. TEMPORARY 'CONSTRUCTION TRAFFIC AHEAD' WARNING SIGNS WILL BE INSTALLED IN THE SHOULDER OF ROUTE 9W 100-FEET FROM THE EXISTING ACCESS TO ISABELLA ROSE REALTY PROPERTY ON BOTH STATE ROUTE 9W APPROACHES. FINAL SIGN TEXT AND LOCATIONS TO BE COORDINATED WITH AND APPROVED BY THE LAND OWNERS AND CERTIFICATE HOLDERS.
- 3.2. THE CONTRACTOR SHALL PROVIDE A FLAGGER DURING HEAVY EQUIPMENT DELIVERY TO THE HDD WORKSITE IN ACCORDANCE WITH CHAPTER 6E, FLAGGER CONTROL, OF THE 2009 MUTCD, REVISION 3 DATED JULY 2022.

REFERENCE NOTES:

- 1. BASE PLAN REFERENCES A ROW, UTILITY & WETLAND SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC.
- 2. BASE PLAN HAS BEEN SUPPLEMENTED WITH INFORMATION PROVIDED BY CALDWELL MARINE INC AND NEW YORK GIS CLEARING HOUSE.
- 3. BASE PLAN HAS BEEN SUPPLEMENTED WITH PROPERTY LINE SURVEY CONDUCTED BY CT MALE.



