

CHPE

Champlain Hudson
Power Express





(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.

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0	06/19/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MRS	EJK	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	D

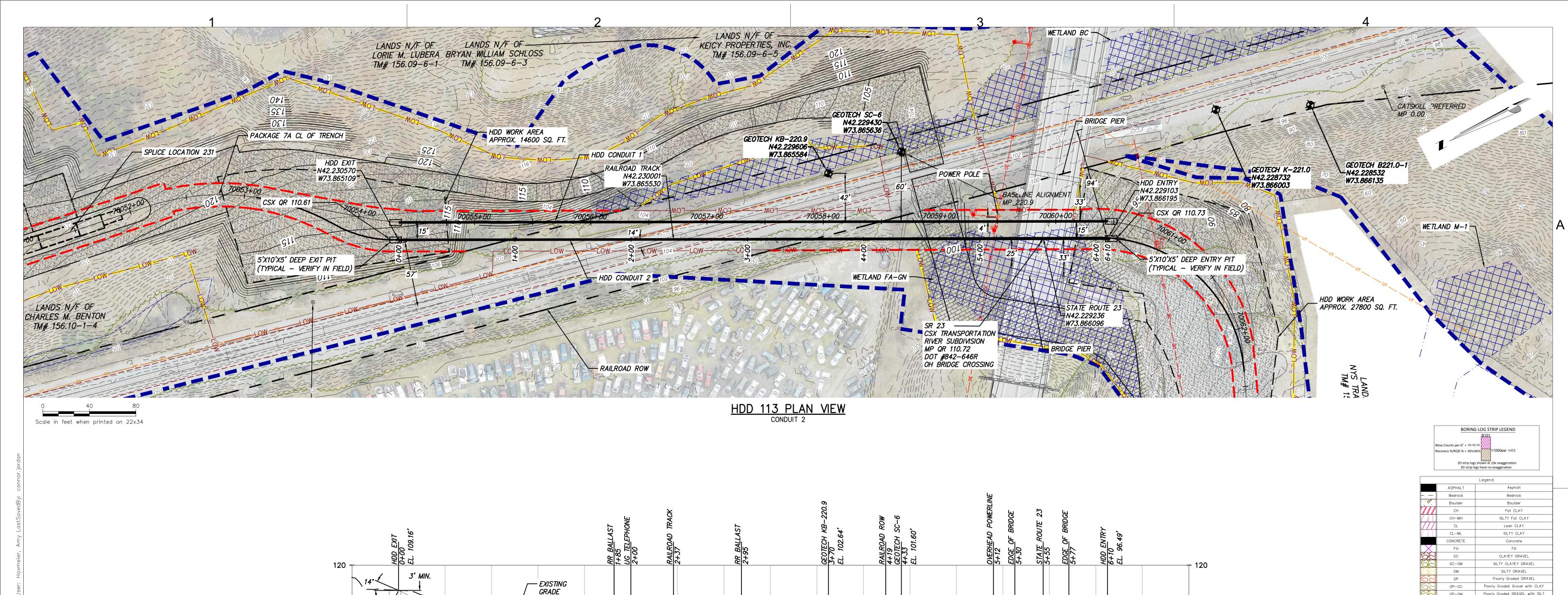
CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL PLAN AND PROFILE - HDD 113

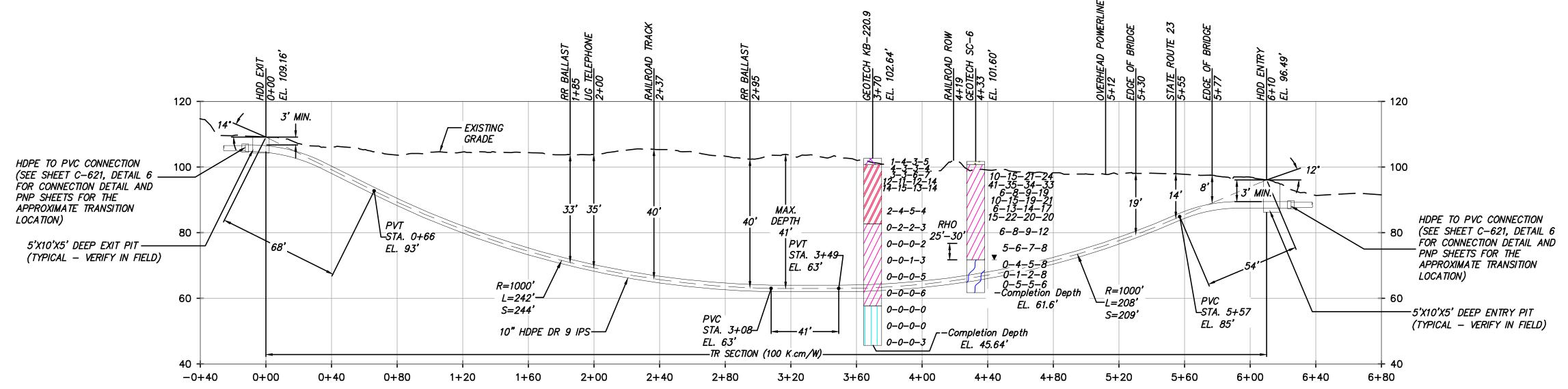
PLAN AND PROFILE - HDD 113
RAILROAD AND HWY 23 CROSSING - CONDUIT 1
GREENE COUNTY, NY

KIEWIT PROJECT NO.
21162
TT PROJECT NO.
204-3701
DRAWING NO.
0.040

C-313

DRAWN BY: MRS DESIGNED BY: AMC APPROVED BY: EJK SCALE AS SHOWN DATE REV. NO. 0 SH.NO.





DESIGN AND CONSTRUCTION NOTES:

- INSTALLATION METHOD: HORIZONTAL DIRECTIONAL DRILL.
- 10.750" HDPE MIN. W.T. 1.194" DR 9 IPS PIPE. 3.500" HDPE MIN. W.T. 0.389" DR 9 IPS PIPE. HDD HORIZONTAL LENGTH (L): 610'
- HDD DESIGNED PIPE LENGTH (S): 617' THE MINIMUM THREE JOINT (APPROX. 100 FT) COMBINED CURVE (VERTICAL + HORIZONTAL) RADIUS SHALL NOT BE LESS THAN 800 FT.
- THE MINIMUM SEPARATION DISTANCE FROM ÉXISTING SUBSURFACE UTILITIES SHALL NOT BÉ LESS THAN 10 FT.
- DRILL CONTRACTOR AND/OR GEOTECHNICAL ENGINEER TO DETERMINE LENGTH OF TEMPORARY SURFACE/CONDUCTOR CASING.

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

- SPT N-VALUES SHOWN ON THIS DRAWING ARE NOT CORRECTED FOR SAMPLER SIZE OR HAMMER ENERGY. REFERENCE BORING LOGS AND GEOTECHNICAL REPORTS FOR ADDITIONAL SOIL INFORMATION.
- DRILL CONTRACTOR SHALL UTILIZE BUOYANCY CONTROL MEASURES (INTERNAL WATER USED FOR BALLAST) DURING PULLBACK FOR ALL BUNDLED CASINGS.

HDD 113 PROFILE VIEW

CONDUIT 2

Scale in feet when printed on 22x34

Power Express





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0	06/19/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MRS	EJK	GREENE COUNTY, NY				
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	5,11	CODWITTIAL / REVIOIDIA DESCRITTION		/ \ '	DRAWN BY: MRS	DESIGNED BA: WIC	APPROVED BY: EJK	REV. NO.	

ALL BURIED LINE DEPTHS ARE APPROXIMATE. PRIOR TO ANY EXCAVATION OR EXPLORATORY BORING, CONTRACTOR MUST CONTACT 811 AND ABIDE BY

TETRA TECH ENGINEERING AND SURVEYING P.C. IS NOT RESPONSIBLE FOR LOCATION OF FOREIGN UTILITIES IN THIS DRAWING. THE INFORMATION SHOWN

HEREON IS FURNISHED WITHOUT LIABILITY ON THE PART OF TETRA TECH ENGINEERING AND SURVEYING P.C. OR ANY DAMAGES RESULTING FROM ERRORS

ALL STATE EXCAVATION REQUIREMENTS. CONTRACTOR MUST CONTACT CSX WHENEVER ON RR ROW.

ALL COORDINATES ARE IN NEW YORK STATE PLANE, NAD83, EAST ZONE, US FOOT.

GENERAL NOTES:

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL

PLAN AND PROFILE - HDD 113 RAILROAD AND HWY 23 CROSSING - CONDUIT 2 GREENE COUNTY, NY

C-313.2 AS SHOWN DATE

Well Graded GRAVEL

Well Graded GRAVEL with CLAY

Well Graded GRAVEL with SIL

Limestone

Elastic SILT

SILT, CLAYEY SAND

SILTY SAND

Poorly Graded SAND

Well Graded SAND with SILT

Topsoil

Gravel or Conglomerate

Subgraywacke

Quartzite

Water Table during drilling

KIEWIT PROJECT NO.

21162

TT PROJECT NO.

204-3701

DRAWING NO.

erbedded Sandstone and Shale

Rock

SC-SM

SHALE

SILTSTONE

SP-SC

Topsoil

USGS 601

USGS 654

USGS 670

USGS 702

USGS 705

USGS 705

USGS 708

USGS 708

Water Table

□ Delayed Water Table

Kiewit

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