

NOT FOR CONSTRUCTION

GENERAL & ENVIRONMENTAL NOTES

1. PERMITTING & REGULATORY JURISDICTION

1.1 ABSOLUTE SURFACE AVOIDANCE: The crossing depicted herein utilizes 100% trenchless Horizontal Directional Drilling (HDD) / microtunneling methods. Zero surface disturbance, clearing, grading, staging, equipment access, or excavation shall occur within NYSDEC Regulated 100-Foot Adjacent Areas, NYSDEC Freshwater Wetlands, or USACE Jurisdictional Wetlands/Waters of the U.S.

1.2 NON-DISCRETIONARY STATUS: By maintaining complete physical separation below all regulated features and locating all entry/exits pits entirely outside regulated adjacent areas, this utility installation is designed to meet non-reporting criteria under USACE Nationwide Permit 12 (Utility Line Activities) and statutory exemptions for non-disturbing subterranean utility crossings under 6 NYCRR Part 608 / Part 663.

2. SUBTERRANEAN CLEARANCE & TRENCHLESS SPECIFICATIONS

2.1 MANDATORY VERTICAL CLEARANCE: A strict performance standard is established requiring a minimum vertical clearance of 10'-0" (Ten Feet, Zero inches) measured directly from the verified, acknowledged, and regulated bottom/invert of the wetland bed or stream substrate to the top crown of the uppermost casing pipe or borehole.

2.2 GEOTECHNICAL & BOREHOLE INTEGRITY: The Engineer of Record shall establish final bore profiles, entry/exit angles, and mud pressure parameters.

2.3 PIT LOCATION & SETBACKS: All drill entry/exit pits, receiving pits, mud mixing equipment, staging, and containment facilities shall be positioned at a minimum setback distance beyond the NYSDEC 100-foot Regulated Adjacent Area boundary

3. ENVIRONMENTAL PROTECTION & INADVERTENT RETURN CONTINGENCY

3.1 MANDATORY INADVERTENT RETURN CONTINGENCY PLAN (IRCP): Prior to commencement of drilling, the Contractor shall submit an approved IRCP detailing continuous monitoring of annular pressure, visual inspection along the alignment path, on-site containment materials (e.g., vacuum trucks, silt fence, sandbags), and immediate shut-off procedures in the event of fluid loss.

3.3 EROSION & SEDIMENT CONTROL: All soil disturbance associated with pit excavations outside the regulated buffer shall adhere strictly to the New York State Standards and Specifications for Erosion and Sediment Control (Blue Book).

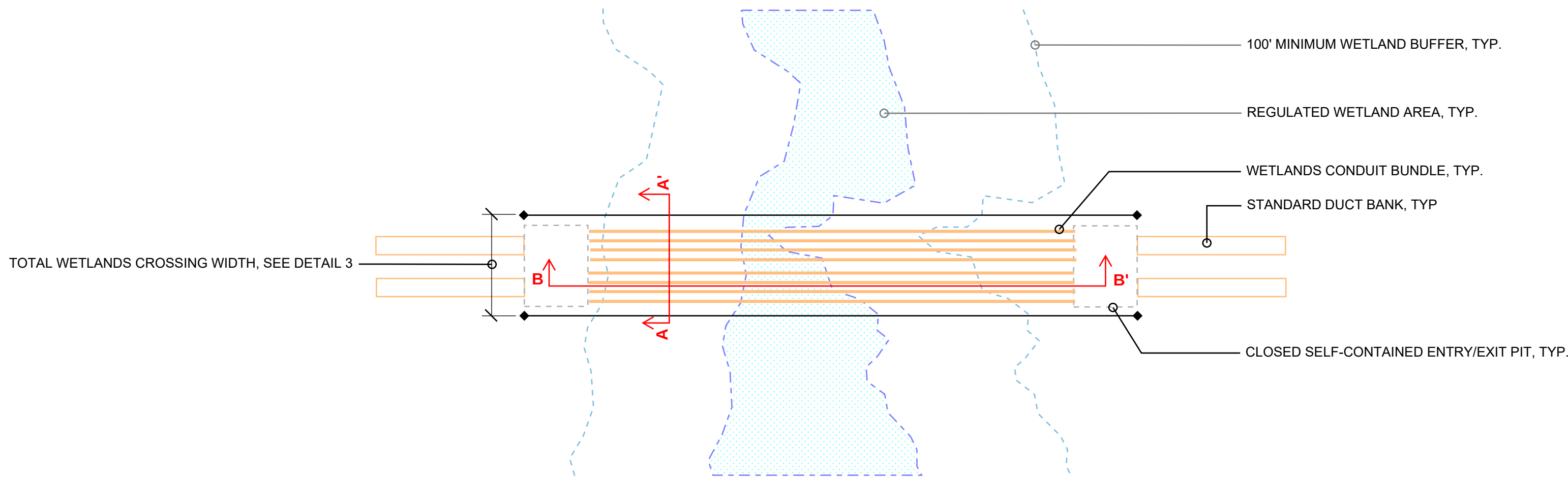
4. BOUNDARY IDENTIFICATION & SURVEY ACKNOWLEDGMENT

4.1 FIELD VERIFICATION: Wetland and stream boundaries depicted shall represent the field-delineated and agency-confirmed jurisdictional limits as established by NYSDEC and USACE.

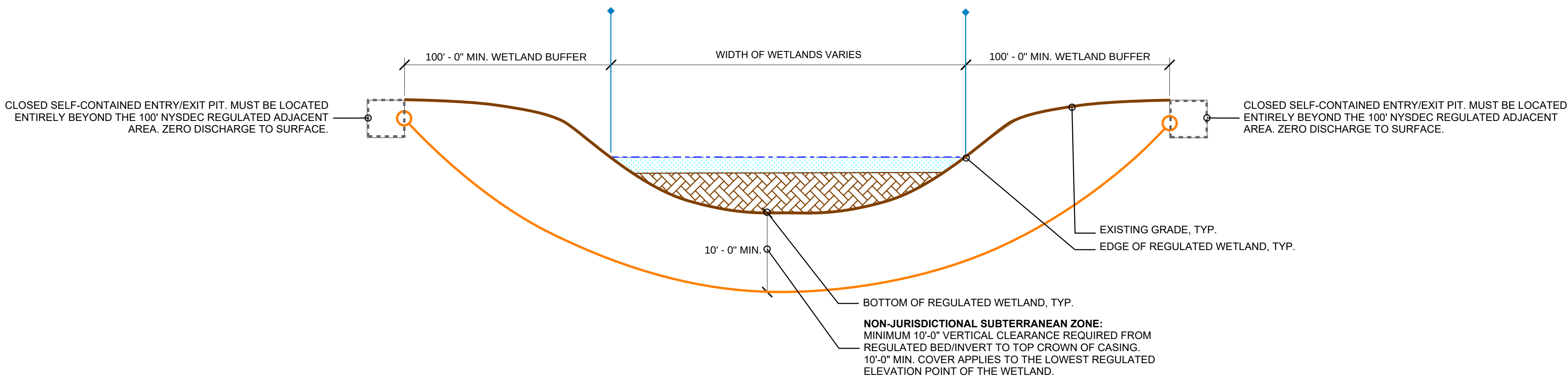
4.2 PRE-CONSTRUCTION DEMARCATION: Prior to mobilization, the Contractor shall physically install high-visibility construction fencing along the entire perimeter of the NYSDEC 100-Foot Regulated Adjacent Area boundary within the work corridor to prevent accidental encroachment or equipment entry.

5. CONTRACTOR COMPLIANCE & LIMITATIONS

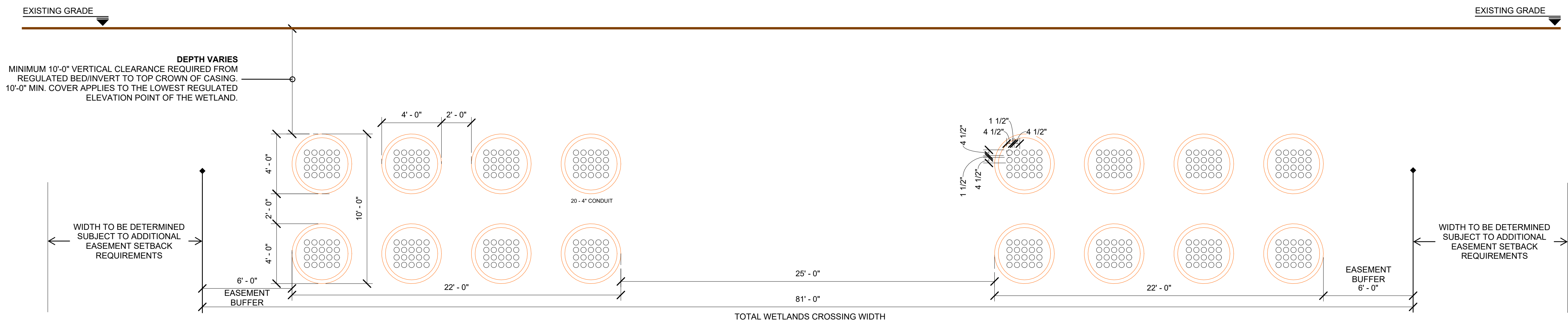
5.1 STRICT LIABILITY FOR COMPLIANCE: The Contractor, sub-contractors, and site personnel shall adhere strictly to the geometry, clearance limits, and notes specified on this plan set. Any field deviation or proposed modification to the bore profile that reduces vertical clearance below 10'-0" from the regulated wetland bed is strictly prohibited without prior structural re-certification and formal written consent from the Engineer of Record.



1 TELECOMMUNICATIONS DUCT BANK | SCHEMATIC KEY PLAN



2 TELECOMMUNICATIONS DUCT BANK | WETLANDS CROSSING DETAIL - SECTION B-B'



3 TELECOMMUNICATIONS DUCT BANK | WETLANDS CONDUIT BUNDLE DETAIL - SECTION A-A'
1/4" = 1' - 0"



STREAM
DATA CENTERS

[illegible]

PROJECT DOUBLE REED

WETLANDS CROSSING DETAILS AND NOTES

Date	09/16/2026
------	------------

SDC-SK-01

Scale	As indicated
-------	--------------