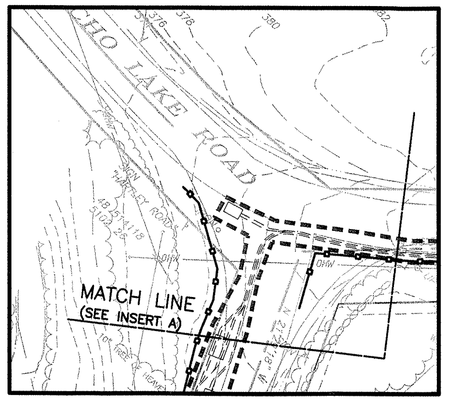
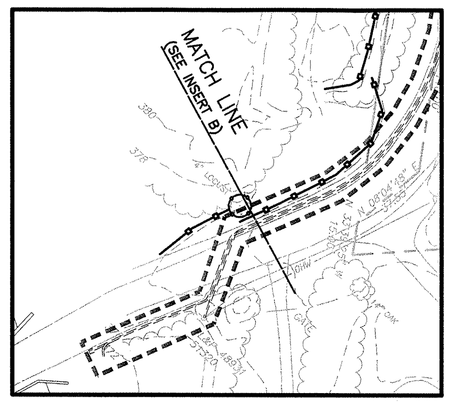


INSERT A
SCALE: 1"=40'



INSERT B
SCALE: 1"=40'

EROSION CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS & SPECIFICATIONS FOR EROSION & SEDIMENT CONTROL, LATEST EDITION.
2. ANY DISTURBED AREAS TO BE LEFT UNALTERED FOR 14 DAYS OR MORE SHALL BE TEMPORARILY SEEDED WITH THE SCHEDULE LISTED IN NOTE 10. THERE SHALL NOT BE MORE THAN FIVE (5) ACRES OF DISTURBED SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN APPROVAL FROM NYSDEC.
3. CUT OR FILL SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH SEED AND HAY MULCH IMMEDIATELY FOLLOWING GRADING.
4. ALL DRAINAGE STRUCTURES SHALL BE PROTECTED BY INLET FILTERS UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
5. CONSTRUCTION FENCING SHALL BE INSTALLED PRIOR TO COMMENCING WORK, WHERE INDICATED ON THE PLANS.
6. EROSION CONTROL DEVICES SHALL BE INSPECTED BY THE CONTRACTOR AFTER EACH RAINFALL AND SHALL BE CLEANED, REPAIRED OR REPLACED AS NECESSARY. DAMAGED OR FAILING MEASURES SHALL BE REPAIRED IMMEDIATELY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ANY ADDITIONAL MEASURES BEYOND THOSE INDICATED ON THE PLANS TO ASSURE ALL SEDIMENT AND EROSION IS CONTAINED WITHIN THE LIMIT OF DISTURBANCE.
8. SLOPES TO REMAIN OPEN FOR MORE THAN THREE WEEKS SHALL BE PROTECTED WITH TEMPORARY SEEDING OR STAKED NETTING.
9. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL EROSION CONTROL MEASURES UPON COMPLETION OF SITE STABILIZATION.
10. PROVIDE TEMPORARY SEED AND MULCH IN DETENTION AREAS BEING USED AS SEDIMENT BASIN DURING CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING SEEDING SCHEDULE:
    1/2LB. RYE GRASS OR MULCHED WITH 100LBS. OF STRAW OR HAY PER 1,000 SF.
    TEMPORARY DIVERSION DITCHES WILL BE ESTABLISHED WHERE NECESSARY.
11. FINE GRADE ALL LANDSCAPE AREAS AND PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE LANDSCAPE PLAN.
12. INSTALL ENERGY DISSIPATERS DURING CONSTRUCTION OF THE DRAINAGE SYSTEM. REMOVE AND REPLACE BEFORE FINAL STABILIZATION AND ANYTIME THE PADS ARE COVERED WITH MUD OR SILT.
13. THE ENGINEER MAY AT HIS DISCRETION REQUIRE ADDITIONAL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION TO MITIGATE UNFORESEEN EROSION AND SILTATION.
14. EROSION AND SEDIMENT CONTROL SHALL BE INSPECTED ONCE EVERY SEVEN (7) DAYS. A WRITTEN LOG OF THESE INSPECTIONS SHALL BECOME PART OF THE SWPPP. THIS LOG SHOULD INDICATE THE DATES OF INSPECTION, WEATHER CONDITIONS, OBSERVATIONS, ACTIONS TAKEN TO CORRECT PROBLEMS, AND THE DATE ACTION WAS TAKEN.
15. SEEDING AND MULCHING MAY BE USED FOR TEMPORARY STABILIZATION. OTHER ACCEPTABLE METHODS INCLUDE BUT ARE NOT LIMITED TO HYDROSEEDING, HYDROMULCHING, EROSION CONTROL NETTINGS, AND SODDING. IN THE NON-GROWING MONTHS AN APPROVED GEOTEXTILE SHALL BE USED.

NOTES:

1. PARKING SPACES SHOWN WITHIN THE STAGING, STORAGE, AND WORKER VEHICLE PARKING AREA ARE FOR GRAPHICAL REPRESENTATION ONLY TO DEMONSTRATE THAT UP TO 20 VEHICLES MAY BE ACCOMMODATED AT THE SITE.

SITE CONSTRUCTION SEQUENCE

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES IN AREAS THAT WILL NOT BE IMPACTED BY FELL TREES, CONSTRUCTION ENTRANCE AND CONSTRUCTION FENCING PRIOR TO START OF CONSTRUCTION. REMOVE TREES INDICATED ON THE PLAN.
2. CLEAR SITE WITHIN APPROVED CONSTRUCTION SEQUENCE AREAS, UNLESS OTHERWISE AUTHORIZED.
3. INSTALL REMAINING EROSION CONTROL MEASURES NOT PERFORMED TO COMPLETE ITEM 1.
4. GRUB THE SITE.
5. BEGIN INSTALLATION OF STAGING AREA AS SHOWN ON THE PLANS.
6. INSTALL TEMPORARY ACCESS DRIVEWAY.
7. ROUGH GRADE TEMPORARY SEDIMENT BASINS AND INSTALL TEMPORARY RISERS AND OUTLET STRUCTURES AS SHOWN ON DETAILS.
8. INSTALL DIVERSION DITCHES AROUND THE SITE.
8. STABILIZE TEMPORARY SEDIMENT BASINS IN ACCORDANCE WITH NOTE NO. 10 OF EROSION CONTROL NOTES.
9. ONCE THE TEMPORARY SEDIMENT BASIN HAS BEEN INSTALLED, THE CONTRACTOR MAY STRIP THE EXISTING TOPSOIL AND BEGIN BULK EXCAVATION FOR THE SUBSTATION AREA. ALL TOPSOIL MATERIAL, SUBJECT TO REUSE, SHALL BE STOCKPILED AS SHOWN ON THIS PLAN. ALL EXCESS CUT MATERIAL SHALL BE UTILIZED TO CONSTRUCT THE PROPOSED BERM ALONG HARTLEY ROAD.
10. INSTALL RIPRAP OUTLETS IN THE STORMWATER BASIN, CATCH BASIN, TRENCH DRAINS AND CONVEYANCE SYSTEM.
11. CONTINUE SITE WORK AND BEGIN CONSTRUCTION OF SUBSTATION COMPONENTS AND FOUNDATION.
12. UPON COMPLETION OF SITE WORK, THE CONTRACTOR SHALL SPREAD 4" TOPSOIL AND SEEDING ON ALL DISTURBED AREAS AND STABILIZED, CLEAN, AND FINE GRADE STORMWATER BASIN AND INSTALL BIO-RETENTION SYSTEM.
15. INSTALL BITUMINOUS WEARING COURSE ON ROADWAY.
16. REMOVE ALL SILT FENCING IN AREAS THAT HAVE BEEN STABILIZED AND DISPOSE OF ACCORDINGLY.

MATCH LINE (SEE INSERT A)
MATCH LINE (SEE INSERT B)
TOWER 19
WETLANDS
WETLAND LINE (TYP)
UPLANDS
BLDG.
OPENING IN EXISTING STONEWALL WIDTH 28'±
CONSTRUCTION ENTRANCE (TYP)
UP W/TRANS L&P 43049 51461 TO 9 WTFL 34
PHASE 2: 4.10 AC. (SUBSTATION, DISTRIBUTION AND POLE FOUNDATIONS)
L&P 48949 51474 TO 10 WTEL 3
STONEWALL
CONCRETE DRIVE
OWENS ROAD
SILT FENCE WITH HAYBALES (TYP)
INLET PROTECTION (TYP)
SECTION OF EXIST. WALL TO BE REMOVED AS REQUIRED FOR PIPE INSTALLATION
PERMANENT BASIN TO BE USED AS TEMPORARY SEDIMENT BASIN
CONCRETE WASH AREA
TEMPORARY SEDIMENT TRAP (10' WIDE X 25' LONG X 1.5' DEEP)
TEMPORARY STONE CHECK DAMS AT 40' O.C. (TYP)
STAGING, STORAGE AREA, & WORKER PARKING AREA (±20 SPACES)
TRAILER
TEMP. STOCKPILE (TYP)
TEMPORARY OUTLET STRUCTURE (SEE DETAILS)
EXIST. TREE TO BE REMOVED (TYP)
EXIST. TREE TO BE PROTECTED (TYP)
PHASE 1: 4.62 AC. (EROSION AND SEDIMENT CONTROL, TREE CLEARING, BERM, STAGING AREA, ACCESS AND TEMPORARY SEDIMENT BASIN)
SILT FENCE BACKED WITH HAYBALES ALONG WETLAND AREAS
THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR THE ENTIRE LIMIT OF DISTURBANCE UTILIZING WET SUPPRESSION OR OTHER APPROVED METHODS.
LIMITS OF OWENS ROAD SCENIC ROAD CORRIDOR OVERLAY
TEMP./PERMANENT SNOW STOCKPILE AREA [AREA=17,500 SF X 4 FEET/HIGH]
TEMP. DIVERSION DITCH (TYP.)
SECTION OF EXIST. WALL TO BE REMOVED AS REQUIRED TO ALLOW TRANSMISSION ACCESS
PROP. STONE CHECK-DAM (TYP.)
SILT FENCE (TYP)
PROPOSED TREELINE (TYP)
AREA OF MANUAL TREE REMOVAL A=0.66 AC
CONSTRUCTION ENTRANCE AND ACCESS FOR NEW TOWERS
SECTION OF EXISTING WALL TO BE REMOVED FOR CONSTRUCTION ACCESS AND MAINTENANCE
HARTLEY ROAD
HERO LAKE ROAD
ARCH
ENGRG
REDUCTION RATIO

REV	REVISION	DWN	DES	CHKD	DATE
C	FEIS REVISIONS	JYP	MF	MF	4/27/12
B	RESPONSE TO DEIS COMMENTS	JP	JP	MF	4/04/12

ORANGE AND ROCKLAND UTILITIES, INC.
PEARL RIVER NEW YORK

CMX
CIVIL ENGINEERING, SURVEY & LANDSCAPE ARCHITECTS, PC OF NEW YORK
AN AFFILIATE OF CHENEY, CMX GROUP
W. CHARLES UTSCHIG, JR.
PROFESSIONAL ENGINEER, NY LIC. NO. 62303

ENGINEERING REVIEW

DEPT.	SIGNATURE	DATE
CIVIL/SURVEY		4/30/12
TELECOM/NET		
TRANS & SUB.		
RELAY		

DWN JP DES MF CHKD WCU
DESIGN REVIEW
DATE 4/30/12

APPROVED
DATE 5/3/12
☐ INFORMATION
☐ COMMENTS
☐ BID
☐ CONSTRUCTION
☒ PERMIT

HARTLEY ROAD SUBSTATION

EROSION, SEDIMENT CONTROL AND CONSTRUCTION PHASING PLAN

SCALE	FILE NO.	DRAWING NUMBER	SHEET	REV.
1" = 40'		K F 6427	7 OF 12	C

LOT: 6203
DATE: 4/30/12 03:29 PM
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