



**Lockport-Batavia Line #112
Rebuild Project**

EM&CP Update

**Replacement Sheets
CP-04A, 13, CP-67, and CP-68
in
Appendix Y
(Culvert Drawings)**

(Revised January 2026; Replaces Version Filed June 2025)



**Lockport-Batavia Line #112
Rebuild Project**

Appendix Y

Culvert Drawings

| CULVERT TABLE | | | | | | | |
|---------------|------------|-------------------------|--------------------------|------------|---------------|-------------|---------------------|
| SHEET NO. | CULVERT ID | 20% BURIED INLET INVERT | 20% BURIED OUTLET INVERT | SIZE (in.) | MATERIAL/TYPE | LENGTH (FT) | BETWEEN STR_ & STR_ |
| CP-10 | 1 | 621.23 | 620.53 | 30 | HDPE | 27 | 9 & 10 |
| CP-11 | 2** | 629.72 | 628.62 | 18 | HDPE | 22 | 11 & 12 |
| CP-12 | 3** | 627.64 | 627.35 | 18 | HDPE | 22 | 11 & 12 |
| CP-13 | 4** | 628.42 | 628.36 | 18 | HDPE | 22 | 11 & 12 |
| CP-14 | 5** | 628.90 | 628.68 | 18 | HDPE | 22 | 12 & 13 |
| CP-15 | 6** | 623.86 | 622.18 | 24 | HDPE | 50 | 20 & 21 |
| CP-16 | 7 | 616.17 | 614.58 | 18 | HDPE | 44 | 21 & 22 |
| CP-17 | 8 | 614.82 | 614.75 | 18 | HDPE | 60 | 23 & 24 |
| CP-18 | 9* | 615.85 | 615.49 | 18 | HDPE | 66 | 23 & 24 |
| CP-19 | 10 | 618.77 | 618.64 | 72 x 48 | Concrete | 46 | 30 & 31 |
| CP-20 | 11 | 623.60 | 623.42 | 18 | HDPE | 26 | 31 & 32 |
| CP-21 | 12 | 623.54 | 623.47 | 18 | HDPE | 31 | 32 & 33 |
| CP-22 | 13 | 623.60 | 623.27 | 18 | HDPE | 31 | 32 & 33 |
| CP-23 | 14 | MATCH EXISTING INVERT | 621.78 | 24 | HDPE | 45 | 36 & 37 |
| CP-24 | 15 | 623.37 | 622.41 | 18 | HDPE | 75 | 36 & 37 |
| CP-25 | 16 | 622.50 | 622.27 | 24 | HDPE | 31 | 37 & 38 |
| CP-26 | 17 | 617.60 | 617.52 | 96 x 48 | Concrete | 35 | 38 & 39 |
| CP-27 | 18 | 623.15 | 622.17 | 18 | HDPE | 31 | 41 & 42 |
| CP-28 | 19 | 619.45 | 618.07 | 18 | HDPE | 75 | 44 & 45 |
| CP-29 | 20 | 617.99 | 617.84 | 18 | HDPE | 74 | 44 & 45 |
| CP-30 | 21 | 614.80 | 614.60 | 18 | HDPE | 20 | 45 & 46 |
| CP-31 | 22 | 609.50 | 609.28 | 60 | HDPE | 30 | 47 & 48 |
| CP-32 | 23 | 612.09 | 611.20 | 18 | HDPE | 20 | 49 & 50 |
| CP-33 | 24 | 609.07 | 608.22 | 18 | HDPE | 65 | 50 & 51 |
| CP-34 | 25* | MATCH EXISTING INVERT | 608.14 | 18 | HDPE | 40 | 50 & 51 |
| CP-35 | 26* | MATCH EXISTING INVERT | 605.02 | 18 | HDPE | 36 | 57 & 58 |
| CP-36 | 27* | MATCH EXISTING INVERT | 605.34 | 18 | HDPE | 60 | 57 & 58 |
| CP-37 | 28* | MATCH EXISTING INVERT | 606.69 | 18 | HDPE | 40 | 66 & 67 |
| CP-38 | 29* | MATCH EXISTING INVERT | 607.07 | 18 | HDPE | 25 | 66 & 67 |
| CP-39 | 30 | 605.22 | 605.21 | 96 x 48 | Concrete | 50 | 69 & 70 |
| CP-40 | 31* | 613.80 | 613.47 | 24 | HDPE | 50 | 77 & 78 |
| CP-41 | 32 | MATCH EXISTING INVERT | 614.18 | 24 | HDPE | 50 | 77 & 78 |
| CP-42 | 33 | MATCH EXISTING INVERT | 645.49 | 18 | HDPE | 45 | 83 & 84 |
| CP-43 | 34 | 647.12 | 646.24 | 18 | HDPE | 70 | 83 & 84 |
| CP-44 | 35 | 633.27 | 633.12 | 96 x 48 | Concrete | 50 | 86 & 87 |
| CP-45 | 36 | 632.89 | 632.88 | 18 | HDPE | 22 | 90 & 91 |
| CP-46 | 37 | 653.33 | 650.10 | 18 | HDPE | 24 | 94 & 95 |
| CP-47 | 38 | 644.26 | 642.90 | 18 | HDPE | 74 | 96 & 97 |
| CP-48 | 39 | 643.72 | 641.78 | 18 | HDPE | 85 | 96 & 97 |
| CP-49 | 40 | 635.57 | 635.46 | 36 | HDPE | 28 | 97 & 98 |
| CP-50 | 41 | 637.25 | 636.72 | 18 | HDPE | 28 | 98 & 99 |

| CULVERT TABLE | | | | | | | |
|---------------|------------|-------------------------|--------------------------|------------|---------------|-------------|---------------------|
| SHEET NO. | CULVERT ID | 20% BURIED INLET INVERT | 20% BURIED OUTLET INVERT | SIZE (in.) | MATERIAL/TYPE | LENGTH (FT) | BETWEEN STR_ & STR_ |
| CP-51 | 42** | 635.64 | 635.34 | 18 | HDPE | 22 | 103 & 104 |
| CP-52 | 43** | 635.57 | 635.28 | 18 | HDPE | 22 | 103 & 104 |
| CP-53 | 44** | 634.52 | 634.38 | 18 | HDPE | 40 | 103 & 104 |
| CP-54 | 45 | 635.12 | 634.71 | 18 | HDPE | 40 | 103 & 104 |
| CP-55 | 46** | 636.03 | 635.19 | 18 | HDPE | 22 | 106 & 107 |
| CP-56 | 47** | 635.89 | 634.93 | 18 | HDPE | 22 | 106 & 107 |
| CP-57 | 48 | 634.29 | 634.25 | 36 | HDPE | 25 | 106 & 107 |
| CP-58 | 49 | 637.04 | 636.64 | 24 | HDPE | 50 | 109 & 110 |
| CP-59 | 50 | 637.63 | 637.55 | 24 | HDPE | 63 | 109 & 110 |
| CP-60 | 51** | 636.69 | 636.68 | 18 | HDPE | 22 | 111 & 112 |
| CP-61 | 52** | 636.35 | 636.15 | 18 | HDPE | 22 | 112 & 113 |
| CP-62 | 53** | 635.91 | 635.15 | 18 | HDPE | 22 | 112 & 113 |
| CP-63 | 54 | 641.40 | 641.36 | 24 | HDPE | 32 | 116-1 & 117 |
| CP-64 | 55* | 643.00 | 641.78 | 30 | HDPE | 50 | 120 & 121 |
| CP-65 | 56* | 642.70 | 641.15 | 18 | HDPE | 50 | 120 & 121 |
| CP-66 | 57 | 611.00 | 609.40 | 24 | HDPE | 32 | 130 & 131 |
| CP-67 | 58 | 607.00 | 606.50 | 60 | HDPE | 56 | 130 & 131 |
| CP-68 | 59* | 635.12 | 634.64 | 18 | HDPE | 39 | 136 & 137 |
| CP-69 | 60* | 702.72 | 702.98 | 18 | HDPE | 87 | 189 & 190 |
| CP-70 | 61* | 728.58 | 727.96 | 18 | HDPE | 84 | 197 & 198 |
| CP-71 | 62* | 739.47 | 739.34 | 18 | HDPE | 40 | 200 & 201 |
| CP-72 | 63* | 739.94 | 739.42 | 18 | HDPE | 40 | 200 & 201 |

ANY CULVERT WITH THE * SYMBOL ADJACENT TO ITS CULVERT ID IS PROPOSED AS A TEMPORARY CULVERT.

ANY CULVERT WITH THE ** SYMBOL ADJACENT TO THE CULVERT ID IS PROPOSED AS A WETLAND CONTINUITY CULVERT.

| | | | |
|-----------------------|----------|--------------|------------|
| PREPARED BY | | | |
| ORIGINAL DRAWING DATE | 6/06/25 | FILE INDEX | 6-1-L10-M5 |
| DRAWING NUMBER | L1-41568 | SHEET NUMBER | CP-04A |
| CULVERT PLAN | | | |
| LOCKPORT-BATAVIA 112 | | | |
| REBUILD PROJECT | | | |
| CULVERT TABLE | | | |



SECTION VIEW
NOT TO SCALE

BOX CULVERT DETAIL
NOT TO SCALE

ACCESS OVER BERM (TYPE 6)
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL CONTACT NYSDEC TO COORDINATE LOWERING OF WATER SURFACE LEVEL PRIOR TO START OF CONSTRUCTION.
2. DESIGN TO BE CONFIRMED USING GEOTECHNICAL DATA.

NOTES:

1. PIPE CULVERT CAN BE CORRUGATED STEEL PIPE (CSP) OR CORRUGATED PLASTIC PIPE WITH SMOOTH INTERIOR (HPE).
2. PIPE CULVERT CAN BE CORRUGATED STEEL PIPE (CSP) OR CORRUGATED PLASTIC PIPE WITH SMOOTH INTERIOR (HPE).

SECTION A-A
NOT TO SCALE

DURING TRANSMISSION LINE CONSTRUCTION

CULVERT INSTALLATION PHASING
NOT TO SCALE

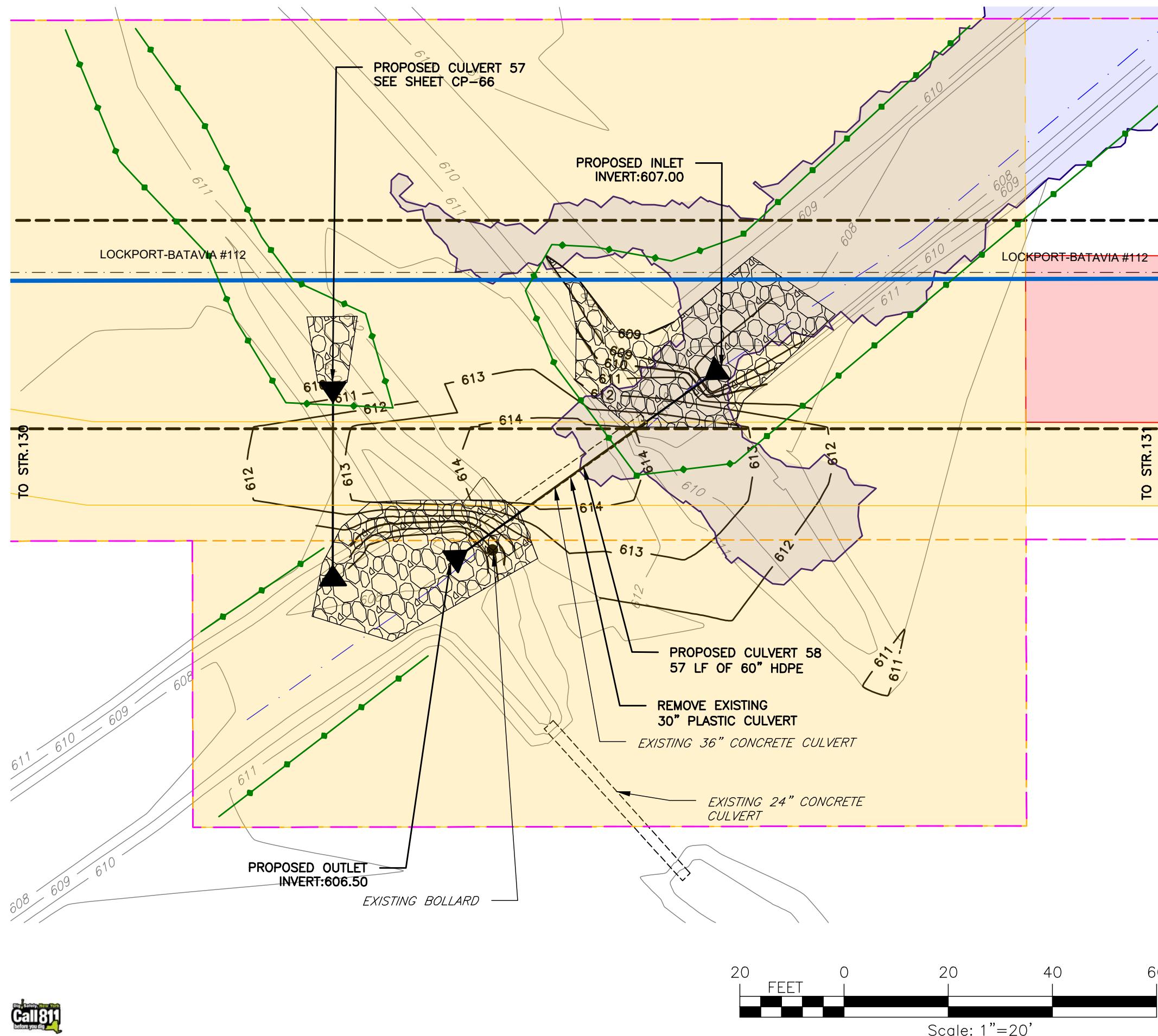
115kV TRANSMISSION LINES
LOCKPORT - BATAVIA 112

REBUILD PROJECT
CIVIL CONSTRUCTION NOTES & DETAILS

6/06/25
6/1-L10-M5
L1-41568
13

NOTES:

1. SCHEDULE CONSTRUCTION DURING LOW FLOW PERIOD.
2. SET UP PUMP AND HOSE AS SHOWN, OR USE OTHER PRACTICAL ALTERNATIVES. PUMP SHOULD HAVE TWICE THE PUMPING CAPACITY OF ANTICIPATED FLOW. HAVE STANDBY PUMP ON SITE.
3. INSTALL DAMS COMPOSED OF SANDBAGS OR CLEAN GRAVEL WITH PLASTIC LINER TO KEEP STREAM BED DRY.
4. DISMANTLE DOWNSTREAM DAM, THEN UPSTREAM DAM. KEEP PUMP RUNNING TO MAINTAIN FLOW.
5. MONITOR DAM AND PUMP FOR PROPER OPERATION THROUGHOUT THE CROSSING INSTALLATION.
6. UNDISTURBED VEGETATION BUFFER SHALL BE 25 FT OR TO EDGE OF EXISTING NON-NATIVE VEGETATION WHERE THAT DISTANCE IS <25 FT.

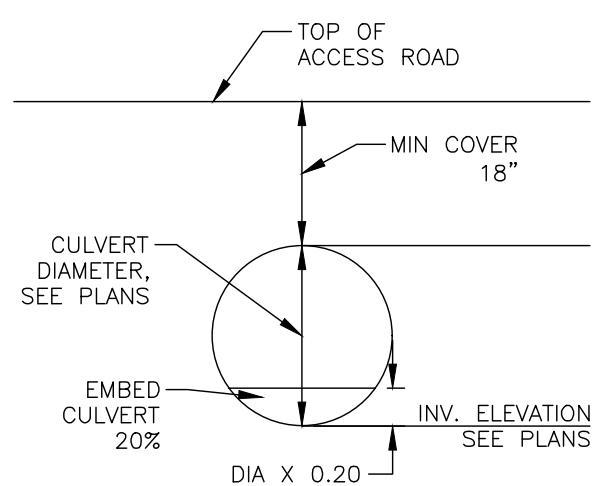


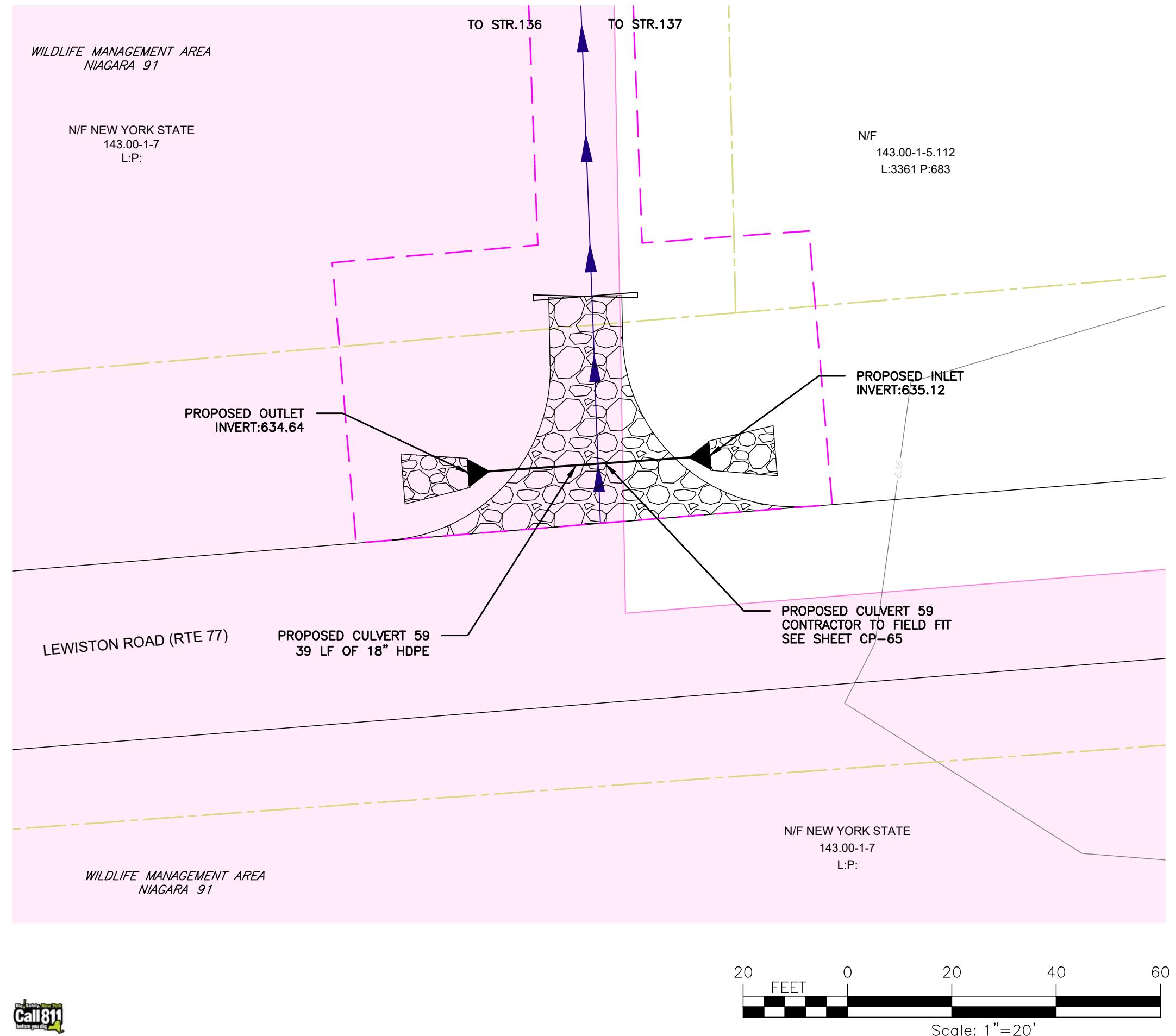
NOTES:

1. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) NEW YORK STATE PLANES, WEST ZONE.
2. VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NAVD88)
3. DERIVED FROM A TOPOGRAPHIC SURVEY PERFORMED BY FISHER ASSOCIATES IN AUGUST OF 2023. THE CONTRACTOR SHALL VERIFY THE ACCURATE PRIOR TO CONSTRUCTION.
4. REMOVE EXISTING 36" DIA. 17' CONCRETE CULVERT.
5. INSTALL 60" DIA. 57' HDPE CULVERT, END SECTIONS, AND INLET AND OUTLET PROTECTION, ALIGNED WITHIN EXISTING STREAM CHANNEL.
6. SEE DETAIL CP-06 THROUGH CP-09 OF APPENDIX Y SET FOR CULVERT INFORMATION.
7. 0.5% MINIMUM SLOPE REQUIRED.
8. EMBED 20% (MIN.) INTO NATIVE GROUND.
9. 18" MIN. COVER REQUIRED.
10. DIMENSIONS PROVIDED ARE PRELIMINARY. CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS.
11. INSTALL EROSION CONTROLS AS SHOWN AND AT THE DIRECTION OF THE ENVIRONMENTAL MONITOR.
12. REFER TO EM&CP PLAN SET FOR STORMWATER DESIGN OF ACCESS
13. SEE SHEET CP-05 FOR LEGEND INFORMATION.

nationalgrid

| PREPARED BY | APPROVED H.P. | | | APPROVED FISHER | | | APPROVED RW/VL | | |
|----------------------------------|-----------------|-----|-------|-----------------|----|-------|----------------|----|-------|
| | DR. | CK | APPR. | DR. | CK | APPR. | DR. | CK | APPR. |
| 1 1/2026 | | | | | | | | | |
| NO. / DATE | AGENCY COMMENTS | TUL | SM | DR. | CK | APPR. | RW/VL | | |
| DESCRIPTION OF ISSUE OR REVISION | | | | | | | | | |
| | | | | | | | | | |





| | |
|---------------------|------------|
| ORIGINAL ISSUE DATE | 6/06/25 |
| FILE INDEX | 6.1-L10-M5 |
| DRAWING NUMBER | L1-41568 |
| SHEET NUMBER | CP-68 |

CULVERT PLAN
LOCKPORT-BATAVIA 112
REBUILD PROJECT
18" ACCESS CULVERT - LEWISTON ROAD

nationalgrid

