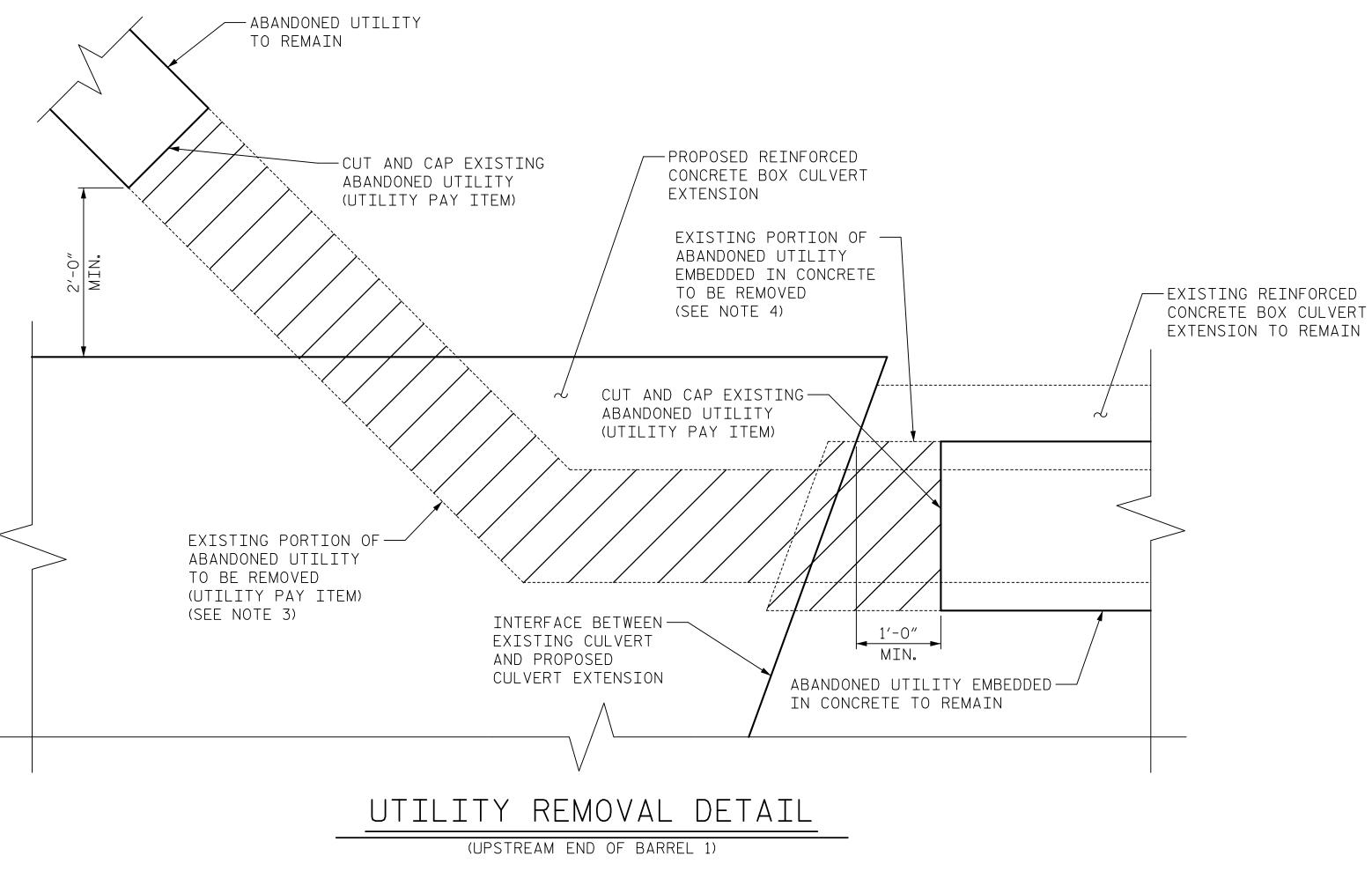


FACE REPAIR



| DRAWN BY : | A.J. FORFA | _ DATE : <u>03/06/19</u> |
|-------------|------------------------------|--------------------------|
| CHECKED BY | J.S. HOBSON | _ DATE : <u>04/17/19</u> |
| DESIGN ENGI | NEER OF RECORD : J.S. HOBSON | _ DATE : <u>04/26/19</u> |

SECTION A-A

CULVERT REPAIR

NOTES:

- 1. FOR SHALLOW REPAIRS THAT DO NOT ENGAGE REINFORCEMENT, ANCHOR PATCH MATERIAL USING 1/4" GALVANIZED BOLTS, EPOXY ANCHORED WITH 2"EMBÉDMENT. PLACE IN A 6"GRID.USE A LATEX OR EPOXY PATCH MATERIAL FOR IMPROVED BOND.
- 2. ANY DAMAGE TO EXISTING REINFORCING STEEL, DURING CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST.
- 3. ENSURE NO CONTENTS INSIDE THE ABANDONED UTILITY PIPE EMPTY INTO THE WATERWAY DURING THE REMOVAL PROCESS.
- 4. PAYMENT FOR REPAIR OF EXISTING CULVERT WALL AND SLAB AT LOCATION OF REMOVAL OF ABANDONED UTILITY EMBEDDED IN CONCRETE SHALL BE MADE UNDER CONCRETE REPAIRS.

REPAIR SEQUENCE:

- 1. SOUND CONCRETE TO DETERMINE EXTENT OF REPAIR LOCATION.
- 2. REMOVE SURFACE CONCRETE TO VERIFY SAWCUT DEPTH WILL NOT DAMAGE EXISTING REINFORCING STEEL. SAW CUT AROUND REPAIR AREA TO A NOMINAL DEPTH OF $\frac{1}{2}$ ".
- 3. REMOVE CONCRETE WITHIN A SAW CUT AREA TO MINIMUM $\frac{1}{2}$ ″DEPTH.
- 4. ABRASIVE BLAST ALL EXPOSED EXISTING REINFORCING STEEL IN REPAIR AREAS TO REMOVE LOOSE CONCRETE, RUST SCALE, ETC. FOR BARS WITH MORE THAN 10% SECTION LOSS, SPLICE AND SECURELY TIE SUPPLEMENTAL REINFORCING BARS AS NEEDED.
- 5. REMOVE ALL LOOSE OR WEAKENED MATERIAL THEN CLEAN THE REPAIR AREA OF DIRT, GREASE, OIL, AND FOREIGN MATTER.
- 6. PREPARE SURFACE AND PLACE APPROVED REPAIR MATERIAL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

| Mead | G | CT NO. SUILF ON: <u>5</u> | ORD | | 7 UNTY | |
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| 111 E. Hargett Street Suite 300 | SHEET 7 OF 7 | | | | | |
| Raleigh, NC 27601 919-714-8670 meadhunt.com NC License No. F-1235 | STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH | | | | | |
| Docusigned 50 MG INE F. OTHONY Jack Holdson V S HOB 14/16/2020 | CULVERT REPAIR DETAILS | | | | | |
| 5B6E7C2B670044B | REVISIONS | | | | SHEET NO. | |
| DOCUMENT NOT CONSIDERED | NO. BY: | | NO. BY: | DATE: | C1-08 | |
| FINAL UNLESS ALL SIGNATURES COMPLETED | 1 | | 3 4 | | TOTAL SHEETS 24 | |