A. The contractor may elect to use any of the following materials to meet the requirements of your request, type "A" - concrete block, type "B" - orange block, type "C" - yellow block, or type "D" - white block.

B. The contractor shall also use any of the following materials for the purpose of your request, type "E" - concrete block, type "F" - orange block, type "G" - yellow block, or type "H" - white block.

C. The contractor shall also use any of the following materials for the purpose of your request, type "I" - concrete block, type "J" - orange block, type "K" - yellow block, or type "L" - white block.

D. The contractor shall also use any of the following materials for the purpose of your request, type "M" - concrete block, type "N" - orange block, type "O" - yellow block, or type "P" - white block.

E. The contractor shall also use any of the following materials for the purpose of your request, type "Q" - concrete block, type "R" - orange block, type "S" - yellow block, or type "T" - white block.

F. The contractor shall also use any of the following materials for the purpose of your request, type "U" - concrete block, type "V" - orange block, type "W" - yellow block, or type "X" - white block.

G. The contractor shall also use any of the following materials for the purpose of your request, type "Y" - concrete block, type "Z" - orange block, type "AA" - yellow block, or type "AB" - white block.

H. The contractor shall also use any of the following materials for the purpose of your request, type "AC" - concrete block, type "AD" - orange block, type "AE" - yellow block, or type "AF" - white block.

I. The contractor shall also use any of the following materials for the purpose of your request, type "AG" - concrete block, type "AH" - orange block, type "AI" - yellow block, or type "AJ" - white block.

J. The contractor shall also use any of the following materials for the purpose of your request, type "AK" - concrete block, type "AL" - orange block, type "AM" - yellow block, or type "AN" - white block.

K. The contractor shall also use any of the following materials for the purpose of your request, type "AO" - concrete block, type "AP" - orange block, type "AQ" - yellow block, or type "AR" - white block.

L. The contractor shall also use any of the following materials for the purpose of your request, type "AS" - concrete block, type "AT" - orange block, type "AU" - yellow block, or type "AV" - white block.

M. The contractor shall also use any of the following materials for the purpose of your request, type "AW" - concrete block, type "AX" - orange block, type "AY" - yellow block, or type "AZ" - white block.

N. The contractor shall also use any of the following materials for the purpose of your request, type "BA" - concrete block, type "BB" - orange block, type "BC" - yellow block, or type "BD" - white block.

O. The contractor shall also use any of the following materials for the purpose of your request, type "BE" - concrete block, type "BF" - orange block, type "BG" - yellow block, or type "BH" - white block.

P. The contractor shall also use any of the following materials for the purpose of your request, type "BI" - concrete block, type "BJ" - orange block, type "BK" - yellow block, or type "BL" - white block.

Q. The contractor shall also use any of the following materials for the purpose of your request, type "BM" - concrete block, type "BN" - orange block, type "BO" - yellow block, or type "BP" - white block.

R. The contractor shall also use any of the following materials for the purpose of your request, type "BQ" - concrete block, type "BR" - orange block, type "BS" - yellow block, or type "BT" - white block.

S. The contractor shall also use any of the following materials for the purpose of your request, type "BU" - concrete block, type "BV" - orange block, type "BW" - yellow block, or type "BX" - white block.

T. The contractor shall also use any of the following materials for the purpose of your request, type "BY" - concrete block, type "BZ" - orange block, type "CA" - yellow block, or type "CB" - white block.

U. The contractor shall also use any of the following materials for the purpose of your request, type "CC" - concrete block, type "CD" - orange block, type "CE" - yellow block, or type "CF" - white block.

V. The contractor shall also use any of the following materials for the purpose of your request, type "CG" - concrete block, type "CH" - orange block, type "CI" - yellow block, or type "CJ" - white block.

W. The contractor shall also use any of the following materials for the purpose of your request, type "CK" - concrete block, type "CL" - orange block, type "CM" - yellow block, or type "CN" - white block.

X. The contractor shall also use any of the following materials for the purpose of your request, type "CO" - concrete block, type "CP" - orange block, type "CQ" - yellow block, or type "CR" - white block.

Y. The contractor shall also use any of the following materials for the purpose of your request, type "CS" - concrete block, type "CT" - orange block, type "CU" - yellow block, or type "CV" - white block.

Z. The contractor shall also use any of the following materials for the purpose of your request, type "CW" - concrete block, type "CX" - orange block, type "CY" - yellow block, or type "CZ" - white block.
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<th>SHFT.</th>
<th>SHFT.</th>
<th>SHFT.</th>
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**SR 72, Advanced Utility Relocation from McCoy Road to SR 71**

**NOT TO SCALE**

**DEPARTMENT OF TRANSPORTATION**

**DELTA**

**COUNTY**

**DESIGNED BY:**

**CHECKED BY:**

**BRIDGE NO.:**

**NOTES:**

**TOTAL EXCAVATION:**

**EXCAVATION - TRMS 502000 (CR): (RE) + **

**STORMWATER MANAGEMENT POND EXCAVATION - TRMS 270000 (CR): (RE) + **

**EXCAVATION AVAILABLE FOR DRAINAGE (CR): (RE) + **

**BASELINE AND REMARK ABSTRACT (CR): (RE) + **

**TOPSOIL SUMMARY (CR): (RE) + **

**MATERIAL BALANCE (CR): (RE) + **
### Sheet 12

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<th>STA. (FT+00)</th>
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### Section 2

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<td>37</td>
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<tr>
<td>Total Topsoil Removed and Used for Backfilling (m³)</td>
<td>37</td>
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<td>Rock Excavation (m³)</td>
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### Addendum / Revisions

- Total 642 m³ of material removed.

### Notes

- Updated on 7/27/2018.
- File Location: Q:\ND\110500_017_SR_72_MCCOY_RDF\ADD\PN03.DGN

---

### Section 4

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### Section 5

- Total 642 m³ of material removed.

### Notes

- Updated on 7/27/2018.
- File Location: Q:\ND\110500_017_SR_72_MCCOY_RDF\ADD\PN03.DGN

---

### Section 6

- Total 642 m³ of material removed.

### Notes

- Updated on 7/27/2018.
- File Location: Q:\ND\110500_017_SR_72_MCCOY_RDF\ADD\PN03.DGN

---

### Section 7

- Total 642 m³ of material removed.

### Notes

- Updated on 7/27/2018.
- File Location: Q:\ND\110500_017_SR_72_MCCOY_RDF\ADD\PN03.DGN

---

### Section 8

- Total 642 m³ of material removed.

### Notes

- Updated on 7/27/2018.
- File Location: Q:\ND\110500_017_SR_72_MCCOY_RDF\ADD\PN03.DGN
### Horizontal / Vertical Control Data

<table>
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### Construction Alignment Control

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<td>949+36.75</td>
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### Circular Curve No. 1

- **Element:** Circular
- **Station:** 25000
- **Northing:** 579861.4286
- **Easting:** 578201.4286
- **Delta:** 391.37
- **Length:** 391.29
- **Radius:** 376.57
- **Chord Direction:** 3.35
- **Extrapolation:** 8.22
- **Tangent Direction:** 23.62° 30' 00"
- **Radial Direction:** 89° 14' 01" 00"
- **Chord Direction:** 154° 05' 17" 00"
- **Radial Direction:** 22° 42' 29" 00"
- **Tangent Directions:** 80° 10' 30" 00"
### HORIZONTAL / VERTICAL CONTROL DATA

<table>
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<tr>
<th>POINT</th>
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<th>ELEVATION</th>
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**Note:** Point does not appear on any other sheet.

### CONSTRUCTION ALIGNMENT CONTROL

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**Note:** Point does not appear on any other sheet.

### DATUM REFERENCE:

**HORIZONTAL:** This project is referenced to the DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).

**VERTICAL:** This project is referenced to NAVD 88.
NOTES:
1. THE CONTRACTOR SHALL COORDINATE WITH PARCEL OWNER ON THE RELOCATION OF ROCKS OUTSIDE THE LIMITS OF THE CLEAR ZONE. THE RELOCATION OF THE ROCKS SHALL BE INCIDENTAL TO ITEM 201000 - CLEARING AND GRUBBING.
2. A FLARED END SECTION SHALL BE TEMPORARILY PLACED AT THE END OF THE PIPE. CONTRACTOR SHALL TAKE PRECAUTION TO PROTECT PIPE JOINT AS THIS WILL BE EXTENDED UNDER FUTURE PROJECT.
3. VERIZON CONDUITS TO REMAIN. CONDUIT INTERNAL COMPONENTS TO BE RELOCATED BY VERIZON TO EXISTING VERIZON DUCT BANK ON SOUTH SIDE OF SR 72.
4. REFERENCE CONSTRUCTION DETAILS FOR ADJUSTMENT OF VERIZON DUCT BANK.

# SEE STANDARD DETAIL D-1.

*NOTE 1

TO ITEM 201000 - CLEARING AND GRUBBING.

A FLARED END SECTION SHALL BE TEMPORARILY PLACED AT THE END OF THE PIPE. CONTRACTOR SHALL TAKE PRECAUTION TO PROTECT PIPE JOINT AS THIS WILL BE EXTENDED UNDER FUTURE PROJECT.

VERIZON CONDUITS TO REMAIN. CONDUIT INTERNAL COMPONENTS TO BE RELOCATED BY VERIZON TO EXISTING VERIZON DUCT BANK ON SOUTH SIDE OF SR 72.

REFERENCE CONSTRUCTION DETAILS FOR ADJUSTMENT OF VERIZON DUCT BANK.

*SEE STANDARD DETAIL D-1.
UNOFFICIAL WEBSITE COPY

NOTE:
1. Verizon conduits to remain. Conduit internal components to be relocated by Verizon to existing Verizon duct bank on south side of SR 72.

*Material was not determined with test hole. It is given based on the utility designation.
### Utility Test Hole Schedule

<table>
<thead>
<tr>
<th>No.</th>
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<td>12</td>
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<td>1022+01.88</td>
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<td>8&quot; PVC</td>
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**NOTES:**
1. VERIZON CONDUITS TO REMAIN. CONDUIT INTERNAL COMPONENTS TO BE RELOCATED BY VERIZON TO EXISTING VERIZON DUCT BANK ON SOUTH SIDE OF SR 72.
2. REFER TO CONSTRUCTION DETAILS FOR ADJUSTMENT OF VERIZON DUCT BANK.

---

**Diagram:**
- **Match Line Sta. 914+50**
- **Match Line Sta. 1031+00**

---

**Reference:**
- **Verizon Construction Details for Adjustment**
- **Bank on South Side of SR 72.**
- **Conduits to remain. Conduit internal components to be relocated by Verizon to existing Verizon duct bank on South Side of SR 72.**

---

**Section:**
- **Fieldstone Crossing**
- **SR 72, Advanced Utility Relocation from McCoy Road to SR 71**

---

**Design:**
- **Department of Transportation**
- **Haworth Bottome & Harmon, LLC**
- **Barbara A. Eckstein, Delaware Highway Patrol**
- **Eugene F. Kraemer, P.E., PIPER**
- **William R. Long, P.E., D.R.U.**
- **Geoge Anna Mills, P.E., D.R.U.**

---

**Construction:**
- **New Castle County**
- **Match Line Sta. 914+50**
- **Match Line Sta. 1031+00**

---

**Reference:**
- **Verizon Construction Details for Adjustment**
- **Bank on South Side of SR 72.**
- **Conduits to remain. Conduit internal components to be relocated by Verizon to existing Verizon duct bank on South Side of SR 72.**
NOTES:
1. Contractor shall verify the location of all utilities prior to construction.

SANITARY MANHOLE SCHEDULE

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<thead>
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<th>GIS. EL</th>
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<th>EASTING</th>
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SANITARY PIPE SCHEDULE

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SANITARY ACCESSORIES SCHEDULE

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ARTESIAN WATER EASEMENT

100+00

RELOCATION FROM MCCOY SR 72, ADVANCED UTILITY RELOCATION FROM MCCOY ROAD TO SR 71

CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
### SANITARY MANHOLE SCHEDULE

<table>
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### SANITARY PIPE SCHEDULE

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### NOTES:

1. Contractor shall verify the location of all utilities prior to construction.

---

**SANITARY SCHEDULE INQUIRY MAINTAIN. SEE CONSTRUCTION DETAILS**

**SANITARY PLUMBING SCHEDULE**

### SANITARY ACCESSORIES SCHEDULE

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**DESIGNED BY:**

**DRAWN BY:**

**REMARKS:**

**ARTESIAN WATER COMPANY**

---

**NOTES:**

1. Contractor shall verify the location of all utilities prior to construction.

---

**CSR-00**

---

**WEBSITE COPY**

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**UNOFFICIAL COPY**

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**Sheet No.: SSR-07**

---

**SR 72, ADVANCED UTILITY RELOCATION FROM MCCOY ROAD TO SR 71**
NOT TO SCALE

**DEPARTMENT OF TRANSPORTATION**
**DELAWARE**

**TOTAL SHEETS:**
**SHEET NO.:**
**CONTRACT COUNTY**

**DESIGNED BY:**
**CHECKED BY:**

**BRIDGE NO.:**
**ADDENDUMS / REVISIONS**

**NEW CASTLE**
**T201401101**

**PLOTTED BY:** MONTES
**DATE:** 7/27/2018

**FILE LOCATION:** Q:\DELAWARE\110500_017_SR_72_MCCOY_RD_TO_SR71_ADD\NCC_ADDPLAN_PROFILE_SUBMISSION.DGN [SHEET: SSR-14]

**NOT TO SCALE**

**RECOMMENDATIONS:**

**PER MANUFACTURERS CORE DRILL AND DETAILS SPECIFICATIONS PER NCC STANDARD BENCH AND CHANNEL RECONSTRUCTED (LINK-SEAL OR APPROVED EQUAL)**

**PIPE TO EXISTING MH CONNECTION**

**DELDOT SPECIFICATIONS AND COMPACTED PER LOOSE MEASUREMENT PLACED IN 8" LIFTS BACKFILL BORROW TYPE C SAW CUT FULL DEPTH 1'-0"**

**NOTES:**

**MANHOLE WALL EX. CONCRETE PVC SEWER 15" SDR-26**

**NOT TO SCALE**

**RELOCATION FROM MCCOY SR 72, ADVANCED UTILITY ROAD TO SR 71**

**PIPE TO EXISTING MH CONNECTION (E-PIPES, OR APPROVED EQUAL)**

**RECONSTRUCTED PIPE AND CHANNEL PER NCC STANDARD SPECIFICATIONS AND DETAILS**

**THE ENGINEER, THAN SHOWN HERE, IT WILL BE REPLACED WITH THAT CROSS SECTION, OR AS DIRECTED BY THIS IS A MINIMUM PATCH. IF THE EXISTING DRIVEWAY HAS A HEAVIER CROSS SECTION 2) WIDTH OF THE DRIVEWAY. PATCH WIDTHS ARE MEASURED ALONG THE DRIVEWAY CENTERLINE AND SHALL BE THE FULL**

**FULL WIDTH OF DRIVEWAY 8" (MIN) GABC, TYPE B, ITEM 302008 SEE NOTE 2 (THICKNESS TO MATCH EXISTING) 6" P.C.C SIDEWALK, ITEM 705002 2" MIN WMA, TYPE C, PATCHING, ITEM 401821 OR**

**PIPE BEDDING & BACKFILL SEE DETAIL SS-IN-2 FOR**

**CORE DRILL (PER MANUFACTURERS RECOMMENDATIONS)**

**PAVEMENT EXISTING 2'-0" MIN 1'-0"**

**NOT TO SCALE**

**SANITARY SEWER DETAILS**

**WATER MAIN/SEWER CROSSING DETAIL**

**ELEVATION**

**WATER MAIN/SEWER CROSSING DETAIL**

**NOT TO SCALE**

**WATER MAIN/SEWER CROSSING DETAIL**

**ELEVATION**

**WATER MAIN/SEWER CROSSING DETAIL**

**NOT TO SCALE**
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### Diagram

- **Matchline STA 981+00**
- **Matchline STA 973+00**
- **Road to SR 71**
- **Relocation from McCoy SR 72, Advanced Utility**
- **Unofficial Website**

### Legend

- **Offset**
- **Elevation**

### DEPARTMENT OF TRANSPORTATION DELAWARE

- **Total SHTS.**
- **Sheet No.**
- **Contract No.**
- **Addendums / Revisions**
- **Designed By:**
- **Checked By:**
- **Date:** 7/27/2018
- **Plotter By:**
- **Location:**
STATION OFFSET POINT NO. 
COORDINATE LIST

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NOTE:
1. SEE TYPICAL SECTION FOR GRADE BREAK LINE
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**Note:**

1. See typical section for grade break line.

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**Legend:**

- **Offset:**
- **Elevation:**

**Matchline STA 1013+00**

**Matchline STA 1022+00**

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**DEPARTMENT OF TRANSPORTATION**

**DELAWARE**

**TOTAL SHTS:**

**CONTRACT:**

**COUNTY:**

**DESIGNED BY:**

**CHECKED BY:**

**BRIDGE NO.:**

**ADDENDUMS / REVISIONS:**

**FILE LOCATION:** Q:\NEWCASTLE\110500_017\SR_72\MCCOY_R D_TO_SR\CAD\GG\DGN\[ SHEET: GG10]

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**UNOFFICIAL WEBSITE COPY**

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**SR 72, ADVANCED UTILITY RELLOCATION FROM MCCOY ROAD TO SR 71**

**GRADERS AND GEOMETRICS**
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STORMWATER MANAGEMENT WILL BE CONSTRUCTED UNDER CONTRACT NO. T200601101.

FOR ILLUSTRATION PURPOSES ONLY.

STORMWATER MANAGEMENT WILL BE CONSTRUCTED UNDER CONTRACT NO. T200601101.

FOR ILLUSTRATION PURPOSES ONLY.

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FOR ILLUSTRATION PURPOSES ONLY.

STORMWATER MANAGEMENT WILL BE CONSTRUCTED UNDER CONTRACT NO. T200601101.

FOR ILLUSTRATION PURPOSES ONLY.
NOTES:
1. METER PIT MATERIALS LISTED ARE FOR USE IN NON-TRAFFIC AREAS ONLY.
2. COPPERSETTER CONTAINS A LOW HAZARD APPLICATION BACKFLOW PREVENTION DEVICE. CUSTOMER MUST MAKE PROVISIONS FOR EXPANSION WITHIN A CLOSED PLUMBING SYSTEM.

SUEZ METER PIT DETAIL

NOTE TO SCALE

TYPICAL SECTIONS

NOT TO SCALE

TYPICAL CONSTRUCTION ACTIVITY

NOT TO SCALE

SEQUENCE OF CONSTRUCTION
1. STATE'S GENERAL CONTRACTOR TO FINISH GRADE 6" TOメンバー CONNECTED AND PLACE TEMPORARY SEED AND MULCH ITEM NO. 908017.
2. METER PIT COVERS, FRAME & LID, DRAIN METER BOX COMPANY MODEL M50-400-300, OR APPROVED EQUAL.
3. ADD METER TO FRAME. LID, COVER AND PROVISION TO GRADE AS ESTABLISHED BY PAY CONTRACTOR.

TYPICAL UTILITY PIPE

NOT TO SCALE

NOTE TO SCALE

SEQUENCE OF CONSTRUCTION
1. METER PIT MATERIALS LISTED ARE FOR USE IN NON-TRAFFIC AREAS ONLY.
2. COPPERSETTER CONTAINS A LOW HAZARD APPLICATION BACKFLOW PREVENTION DEVICE. CUSTOMER MUST MAKE PROVISIONS FOR EXPANSION WITHIN A CLOSED PLUMBING SYSTEM.

TYPICAL CONSTRUCTION ACTIVITY

NOT TO SCALE

TYPICAL SECTIONS

NOT TO SCALE

NOTE TO SCALE

SEQUENCE OF CONSTRUCTION
1. METER PIT MATERIALS LISTED ARE FOR USE IN NON-TRAFFIC AREAS ONLY.
2. COPPERSETTER CONTAINS A LOW HAZARD APPLICATION BACKFLOW PREVENTION DEVICE. CUSTOMER MUST MAKE PROVISIONS FOR EXPANSION WITHIN A CLOSED PLUMBING SYSTEM.
ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:
A. THE PURPOSE OF THESE SHEETS IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL IMPACTS, IMPACT CALCULATIONS AND FOR焊接PERMIT/MEETING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
B. IF A DEPARTURE FROM THE APPROVED PLAN WHICH MIGHT AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES IS NEEDED IN ORDER TO PROCEED WITH THE CONTRACT, THE CONTRACTOR MUST CONTACT THE appropriate AGENCY FOR PERMIT APPLICATION.
C. USE OF THESE SHEETS DOES NOT RELIEVE THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH ALL REQUIREMENTS AND PERMITS.

2. NATIONAL INSTRUCTIONS:
A. PERMIT REQUIREMENTS APPLICABLE TO CONSTRUCTION PROJECTS:
B. REGULATORY COMPLIANCE WITH REC, CODE C, F.S. DIVISION 3. TABLES ON SHEET NO. 87 + 0 0 + 0 0.
C. OTHER PERMIT REQUIREMENTS APPLICABLE TO THESE PROJECTS ARE REGULATORY PERMIT REQUIREMENTS.

3. CONSTRUCTION RESTRICTIONS:
A. PERMIT REQUIREMENTS APPLICABLE TO CONSTRUCTION PROJECTS:
B. OTHER PERMIT REQUIREMENTS APPLICABLE TO THESE PROJECTS ARE REGULATORY PERMIT REQUIREMENTS.

4. PROTECTION OF RESOURCES:
A. KEEP CLEARING IN WETLANDS AREA TO A MINIMUM ABSURD LEVEL NECESSARY FOR CONSTRUCTION ACCESS. SUPPORT ALL CHANNEL CROSSINGS WITH CURTAIN WALLS AND REMOVABLE Silt Curtain props. ANY DELAYS IN IMPLEMENTATION OF THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES WILL RESULT IN ADDITIONAL COSTS TO THE CONTRACTOR.
B. ANY CONTRACTOR ACCESS TO WETLANDS AREAS ISiomitted, unless necessary to construct project components, such as foundations and power generation facilities, is permitted by the appropriate regulatory agency with prior approval from the appropriate regulatory agency.
C. USE OF THESE SHEETS DOES NOT RELIEVE THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH ALL REQUIREMENTS AND PERMITS.

5. THE LIMITS OF CONSTRUCTION SHOWN ON THE ENVIRONMENTAL COMPLIANCE SHEETS ARE THE LIMITS OF CONSTRUCTION FROM CONTRACT 72060022 WHICH IS THE ROADWAY CONSTRUCTION CONTRACT FOLLOWING THE COMPLETION OF THE UTILITY CONTRACT. ALL IMPACTS SHOWN ON THE GC SHEETS SHOW COMPARED CONSTRUCTION AND COMPLETION.
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<td>TOTAL TEMPORARY WETLAND IMPACT AREAS</td>
<td></td>
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<td>0.0099</td>
<td>0.0300</td>
<td>COE</td>
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**LEGEND**

- **PERMANENT IMPACT AREA**
  - **B** = WETLAND IMPACT
  - **T** = TEMPORARY IMPACT
  - **W** = WATER

- **TEMPORARY IMPACT AREA**
  - **G** = OPEN WATER IMPACT
  - **S** = STATE MAPPED WATER
  - **M** = MEAN HIGH WATER
  - **P** = PALUSTRINE FORESTED
  - **E** = PALUSTRINE EMERGENT MARSH
  - **S** = PALUSTRINE SCRUB SHrub

**TOTAL PERMANENT OPEN WATER IMPACTS** | ID | IMPACT DESCRIPTION | AREA (SF) | AREA (AC) | VOLUME (CY) | JURISDICTION | CLASSIFICATION |
<table>
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<tr>
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<tbody>
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<td>2-O-1</td>
<td>CONTRACTOR ACCESS</td>
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<td>0.6930</td>
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MAINTENANCE OF TRAFFIC NOTES

6.5.4.1

PLEASE REFER TO THE LANE CLOSURE SCHEDULES BELOW FOR ALLOWABLE TIMES FOR LANE CLOSURES, INCLUDING MOT DEVICES, STRIPING, ETC. SHALL NOT BE PLACED IN THE RAILROAD RIGHT OF WAY NORTH OF WILLAMETTE DRIVE.

PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS. DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD.

ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE APPROPRIATE CONTRACT.

PAYMENT SHALL BE MADE FOR TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE TRM MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE APPROPRIATE CONTRACT. THE COST OF TRM MATERIAL USED TO PROTECT EDGE DROP-OFFS SHALL BE INCURRED BY THE CONTRACTOR.

I. ROAD WORK

A. ROAD WORK AHEAD

1. DIRECTIONS:
   - DIRECTIONAL DRILL PITS AT THE END OF EACH DAY. ABANDON OR REMOVE EXISTING FACILITIES AND BACKFILL TO ROUGH GRADE AFTER COMPLETING TIE-INS TO EXISTING FACILITIES.
   - INSTALL 8" GAS LINE FROM STATION 962+40 TO STATION 981+85, RT USING TA-3 OR AT NIGHT USING TA-10 AS DIRECTED BY THE ENGINEER. REFER TO CONSTRUCTION DETAILS AND "TYPICAL CONSTRUCTION ACTIVITY" DETAIL.

2. INSTALL 12" DUCTILE IRON PIPE FROM STATION 1028+15 TO STATION 1033+25 USING TA-21 AS NEEDED.

3. INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AT THE END OF EACH WORK DAY.

4. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

5. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

J. WORK AREA - ACTIVE PHASE

1. ROAD WORK

A. ROAD WORK AHEAD

1. DIRECTIONS:
   - DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.
   - DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.
   - INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

2. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

E. TYPICAL CONSTRUCTION ACTIVITY

1. INSTALL ALL EROSION AND SEDIMENT PERIMETER CONTROL MEASURES, STABILIZED CONSTRUCTION ENTRANCES, AND INLET PROTECTION AT THE END OF EACH WORK DAY.

2. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

3. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

4. INSTALL DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

5. INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

6. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

7. INSTALL DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

8. INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

9. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

10. INSTALL DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

11. INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

12. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

13. INSTALL DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

14. INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

15. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

16. INSTALL DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

17. INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

18. INSTALL DIRECTIONAL DRILL CASING PIPE UNDER SR 72 AND SR 71 AT STATIONS 985+20 AND 985+83, RESPECTIVELY, AND INSTALL 16" WATER LINE.

19. INSTALL DIRECTIONAL DRILL 3/4" COPPER SERVICE LINES STATION 985+20 TO STATION 1021+18 AS SHOWN. STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.

20. INSTALL STEEL PLATE ACTIVE DIRECTIONAL DRILL PITS AT THE END OF EACH WORK DAY.
Control Plan

Road to SR 71

Match Line Station 965+00

Match Line Station 973+00

New Castle

Delaware

Total Shts.

Sheet No.

Contract

County

Designed By:

Checked By:

Addendums / Revisions

Control Plan.

M.O.T., And Erosion Control Plan

Construction Phasing.

SCALE FEET 0 30 60 90

SR 72, Advanced Utility Relocation From McCoy Road To SR 71

Date: 7/27/2018

File Location: Q:\ND\110500_017_SR_72_MCCOY_RD_TO_SR_دد CS\CS09

Plotter By: Gabriel

UNOFFICIAL WEBSITE COPY