TRANSPORTATION MANAGEMENT PLAN

SUGGESTED SEQUENCE OF CONSTRUCTION

1. INSTALL SIGNS FOR PROJECT LIMITS AS SHOWN IN FIGURES TDC-3,333 AND FIGURE TP-6.3 . 200 YARDS WORK AREA PROJECT LIMITS (MANUAL), SHOWN IN FIGURES TDC-3,333 AND FIGURE TP-6.3, MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

2. THE CONTRACTOR SHALL CLOSE THE OUTSIDE SHOULDER IN ACCORDANCE WITH FIGURES TDC-3,333 AND FIGURE TP-6.3 AND INSTALL HIGH VISIBILITY FENCE ALONG OLD CAROLINA ROAD TO MAINTAIN MIN. 10' LANES.

3. INSTALL SIGNING FOR PROJECT LIMITS AS SHOWN IN FIGURE TDC-3,333.

THE CONTRACTOR SHALL CLOSE THE OUTSIDE SHOULDER IN ACCORDANCE WITH FIGURES TDC-3,333 AND FIGURE TP-6.3 AND INSTALL HIGH VISIBILITY FENCE ALONG OLD CAROLINA ROAD TO MAINTAIN MIN. 10' LANES.

GROUP 2 CHANNELIZING DEVICES (TYP.) TRANSITION SPACING = 20'

GROUP 3 CHANNELIZING DEVICES (TYP.) TRANSITION SPACING = 20'

HIGH VISIBILITY FENCE

EXIST. TRAIL

SIGNING DETAILS

INSET A FOR SIGNING DETAILS (USE VWAPM TTC-5.2)

EXIST. R/W BUFFER

WORK ZONE

ESMT.

EX. TRAIL

PERM. TEMP.

HIGH VIS. FENCE

PROP. TEMP.

CONSTR. B

SIDEWALK CONSTR. B

HIGH VIS. FENCE

PROP. PERM.

CONSTR. ESMT.

PROP. TEMP.

1. INSTALL HIGH VISIBILITY FENCE ALONG OLD CAROLINA ROAD TO MAINTAIN MIN. 10' LANES.

2. INSTALL SIGNING FOR PROJECT LIMITS AS SHOWN IN FIGURES TDC-3,333 AND FIGURE TP-6.3

3. INSTALL SIGNING FOR PROJECT LIMITS AS SHOWN IN FIGURE TDC-3,333.
### ROADSIDE DEVELOPMENT

#### Core Mix

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<th>DESCRIPTION</th>
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<tr>
<td>1</td>
<td>100</td>
<td>100% CERTIFIED TALL FESCUE</td>
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<td>2</td>
<td>75</td>
<td>100% CERTIFIED HARD FESCUE</td>
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<td>5</td>
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#### Additives

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<td>C</td>
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<td>FORSYTHIAN LILAC</td>
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<tr>
<td>D</td>
<td>10</td>
<td>HYBRID RYE</td>
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<td>E</td>
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<td>CROPSYMBION (LEGUME)</td>
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<td>F</td>
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#### Seeding Schedule

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<th>SEEDING SCHEDULE</th>
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<td>SPRING &amp; SUMMER</td>
<td>4/1 - 9/15</td>
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<tr>
<td>FALL &amp; WINTER</td>
<td>9/16 - 1/15</td>
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#### Soil Mixtures

- **Core Mix**: Includes (Core Mix and Additives)
- **Fertilizer**: LIME, NITROGEN
- **Topsoil**: FREE OF HARD LUMPS, CLODS, ROCKS AND FOREIGN DEBRIS
- **Additives**
  - **Type A**: 100% LOAMGRASS
  - **Type B**: 100% BERMUDAGRASS
  - **Type C**: 100% FORSYTHIAN LILAC
  - **Type D**: 100% HYBRID RYE
  - **Type E**: 100% CROPSYMBION
  - **Type F**: 100% SWEET FESCUE

#### Roadside Development Summary

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<tr>
<th>PROJECT NUMBERS</th>
<th>REGULAR SEED</th>
<th>OVER SEEDING</th>
<th>FAIRED</th>
<th>FOR SCHEDULE</th>
<th>NAP SCHEDULE</th>
<th>HEP SCHEDULE</th>
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**Notes**

- All notes to be specified by the district roadside manager.
VDOT STANDARD DETAILS
DRAINAGE DETAILS

CONCRETE COLLAR DETAIL

1. USE THE CELLS SHOWN ON PAINT OR FABRICATION.
2. INCREASE THE SUSPENDED HEIGHT AS MAINTAINED.
3. ALLOW FOR THE CELL TO BE FITTED IN
   DURING CASTING.

NOTES:

1. CONCRETE SHALL BE MIX A3 (4500 PSI).
2. REINFORCEMENT STEEL SHALL MEET THE
   REQUIREMENTS OF ASTM A615, GRADE 60.
3. ANGLE IRON AND SHEAR STUD CONNECTORS SHALL BE GALVANIZED
   AFTER WELDING IN ACCORDANCE WITH
   THE ENGINEER.

SECTION A-A

SECTION C-C

PRECAST CONCRETE TOP SLAB

(1) USE CELL SHOWN AS CONCRETE.

SECTION D

ANGLE IRON 4" x 3" x 8" x CONC.

2-NO. 7 BARS

GALV. AFTER WELDING

MAX. 3'-6" C/C

3'-6" C/C

CONNECTORS AT
4" x •" SHEAR STUD

SECTION C-C

6" 1 ½" 4"

7" MIN.

TYP.

MIN.

3" 7" 2"

TYP.

2% 6" 4" 8" 4" 20" C/C CAST IN FRONT

•" x 6" TIE DEVICES

FACE OF TROUGH OR PLASTIC INSERT TO

RECEIVE NO.4 REBAR

DRAINAGE DETAILS

4. EROSION PROTECTION TO BE PAID
   FOR SEPARATELY.

L 6"

A 6"

B

VA RIES

(SEE SEC. B-B)

SHEAR KEYS

PLAN

C

C

T (TROUGH OPENING)

6"

PRECAST CONCRETE TOP SLAB

R=3"

(TYP.)

B

4"

T

11'-0"

10'-0"

SLAB

TROUGH SLAB DIMENSION

L

ANGLE IRON 4" x 3" x 8" x CONC.

AT 3" C/C

2 NO. 7 BARS

GALV. AFTER WELDING

3'-6" C/C MAX

CONNECTORS AT
4" x •" SHEAR STUD

SECTION C-C

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DRAINAGE DETAILS

4. EROSION PROTECTION TO BE PAID
   FOR SEPARATELY.
DRAINAGE DETAILS

CUTOFF WALL LENGTH = W

NATIONAL TOPOGRAPHIC SYSTEM

PLAN VIEW OF THE RIPRAP IN BEYOND THE EDGE AND SHALL EXTEND 6 IN. LINING A MIN. OF 4 IN. EMBED GEOTEXTILE

SECTION A-A

NON-STANDARD OPEN BACK INLET OUTFALL PROTECTION TYPICAL DETAIL

SECTION B-B

OUTLET PROTECTION SCHEDULE

OUTLET PROTECTION SCHEDULE

ID STRUCTURE TYPE INSTALLATION

P101, R201, C501

EN18-076-283

703

PROJECT MANAGER

Ludwik Kulczycki - Prince William County - (703) 792-6347

Tami Lenox, L.S. - ATCS, P.L.C.  - 07/06/17 - (703) 430-7500

Thomas Fleming, PE - ATCS, P.L.C.  - (703) 430-7500

Accumark, Inc.  -  04/08/20 - (804) 550-7740
# Ditch Schedule and Details

## Ditch Schedule

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<th>BASELINE</th>
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## Ditch Lining Limits

- **EC-3 TYPE 1**
- **EC-3 TYPE 2**
- **EC-3 TYPE 4**

## Typical V-Ditch Section

**Ditch Lining Limits**

See Cross Section for Elevation

**Typical V-Ditch Section**

See Cross Section for Elevation

**Typical Trapezoidal Ditch Section**
GENERAL NOTES:

1. All pavement markings shall be in accordance with the 2009 MUTCD, the Virginia Supplement to the MUTCD, the 2016 VDOT Road and Bridge Standards, and the 2020 Road and Bridge Specifications.

2. Limits shown of proposed pavement markings are approximate, and shall be modified in the field to ensure that proposed pavement markings continue with existing markings as required.

3. The contractor shall restore any pavement markings damaged during construction.

4. All signs shall be placed in accordance with the 2009 MUTCD, the Virginia Supplement to the MUTCD, the 2016 VDOT Road and Bridge Standards, and the 2020 Road and Bridge Specifications.

5. Signs that are not in reusable condition as determined by the Engineer shall be removed.

6. Unless otherwise approved by the Engineer or indicated in the Maintenance of Traffic and Sequence of Construction Plans, existing traffic signs which are to be relocated shall remain in place until the new sign structure is in place.

7. All existing and proposed sign locations shall be approved by the Contractor. All proposed sign locations shall be within right of way, and shall be staked by the Contractor and approved by the Engineer before the sign structure is installed.