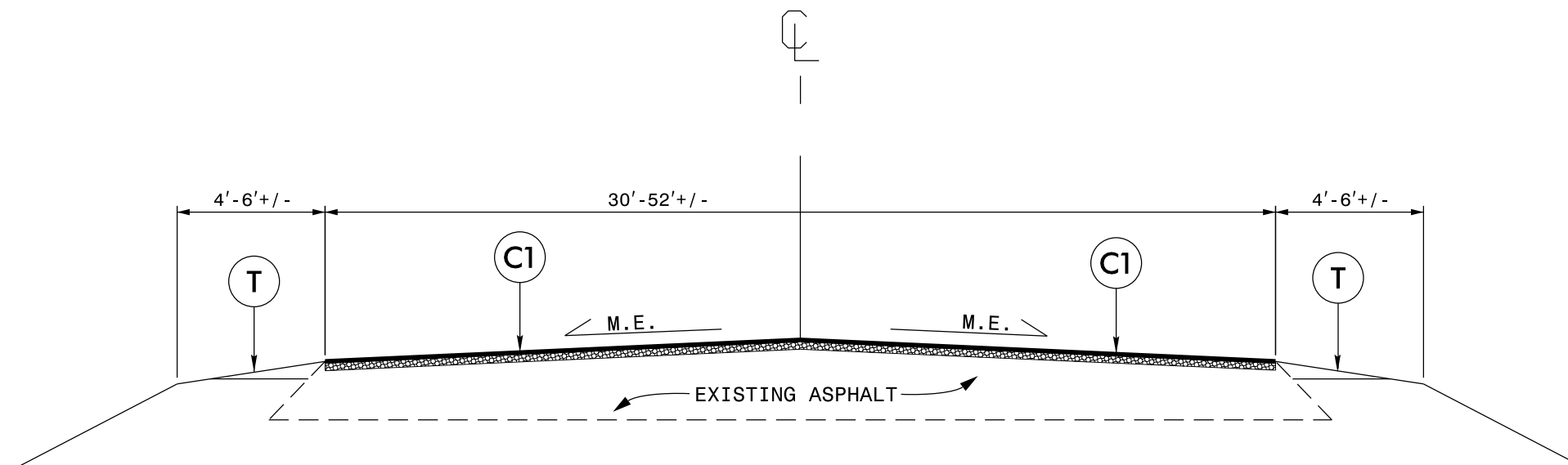


TYPICAL SECTION NO. 1

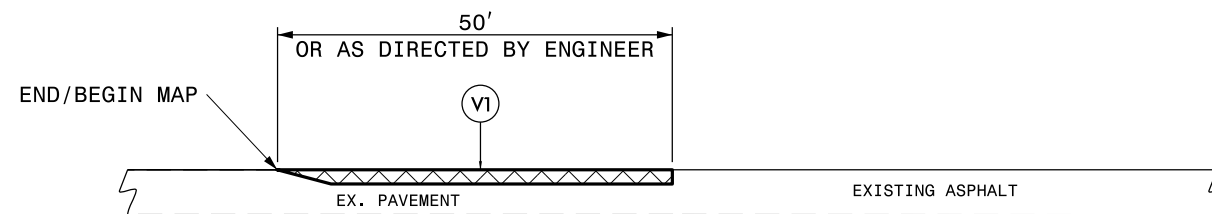
US13 /US264ALT FROM US13 /US264ALT SPLIT TO 1600' W. OF SR 2102



NOTE:

1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS AND BRIDGE APPROACH TIE-INS, OR AS DIRECTED BY THE ENGINEER. SEE DETAIL 1 & 2

| PAVEMENT SCHEDULE | |
|-----------------------|--|
| C1 | PROP. APPROX. 1 ³ / ₄ " OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 196 LBS. PER SQ. YD. |
| T | SHOULDER RECONSTRUCTION |
| V1 | INCIDENTAL MILLING (SEE DETAIL SHEET 3) |
| DRAWINGS NOT TO SCALE | |

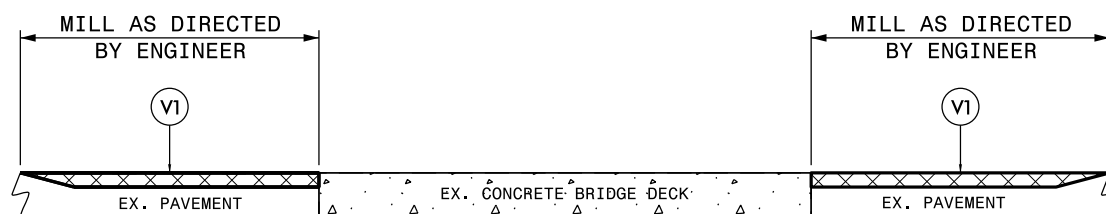


DETAIL 1

MAIN LINE MILLING

NOTE:

1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.

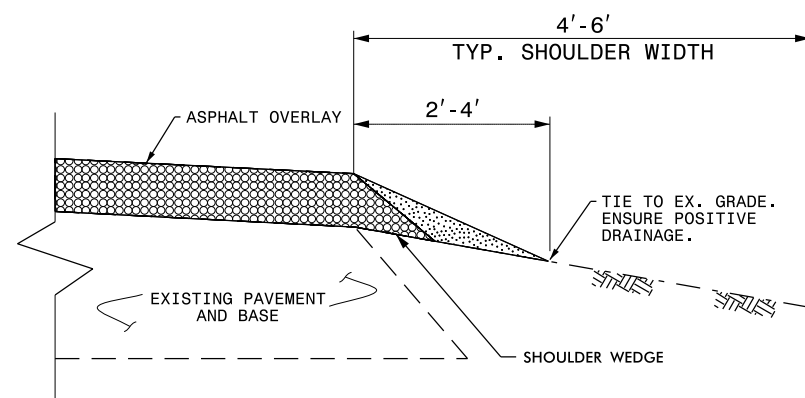


DETAIL 2

BRIDGE MILLING

NOTE:

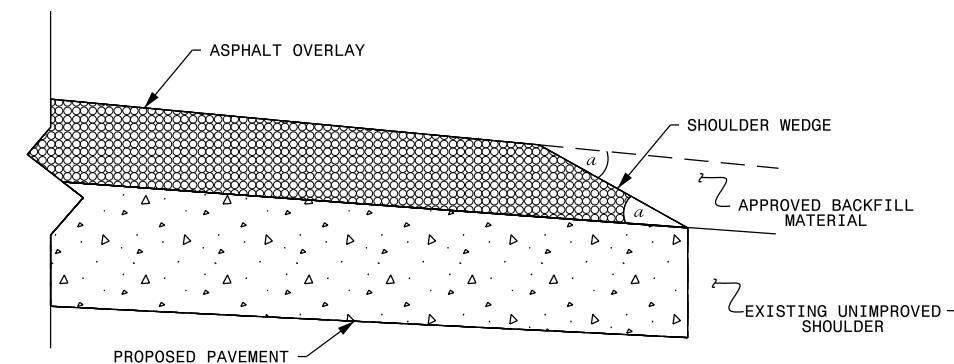
1. MILLING SHALL BE PERFORMED AT BRIDGE DECKS AND BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL. AT PITT COUNTY BRIDGE 16.



SHOULDER RECONSTRUCTION DETAIL

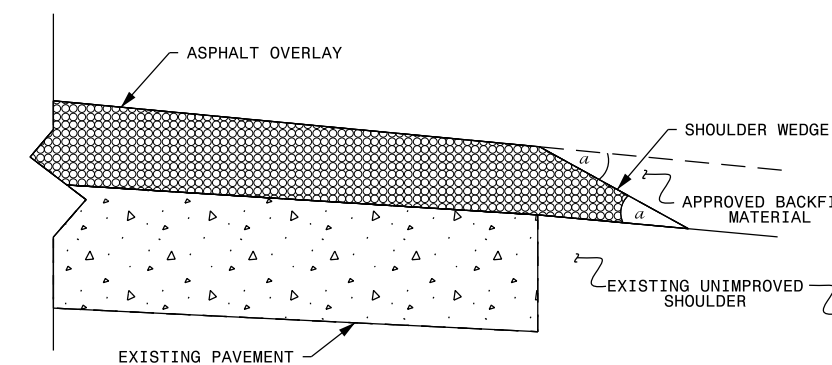
NOTE:

1. SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
2. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
3. REQUIRED BORROW MATERIAL MAY BE OBTAINED FROM NCDOT APPROVED BORROW PITS OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.



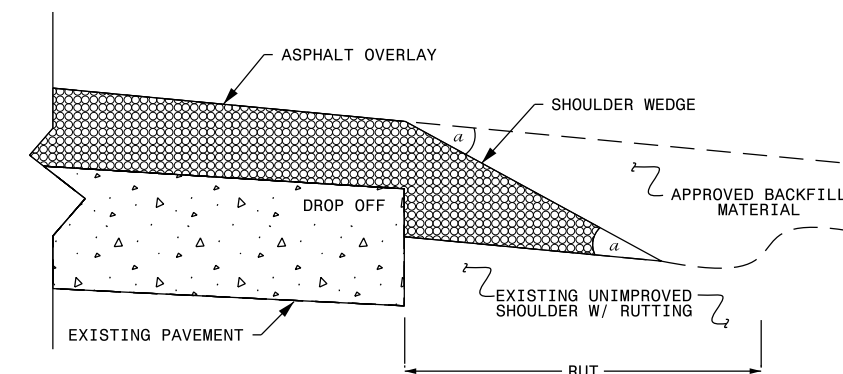
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ no Widening)



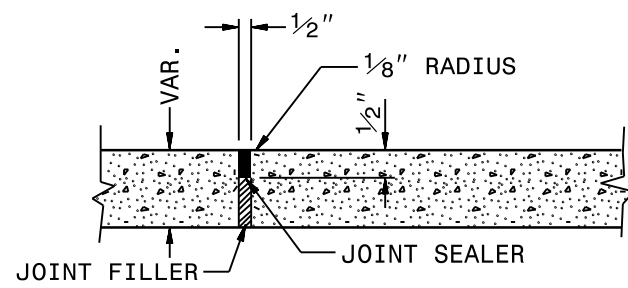
SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

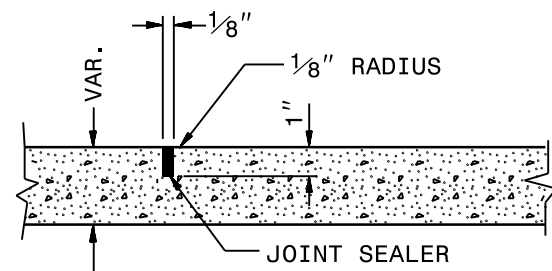
NOTES:

1. DETAIL DOES NOT APPLY TO OGAFK AND ULTRA-THIN BONDED WEARING COURSE.
2. BACKFILL SHOULDER WITH APPROVED MATERIAL.
3. THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

- SHOULDER WEDGE ANGLE = 30°



SHOWING EXPANSION JOINT



SHOWING GROOVED JOINT

**PARTIAL LONGITUDINAL SECTIONS
OF PAVED ISLANDS**

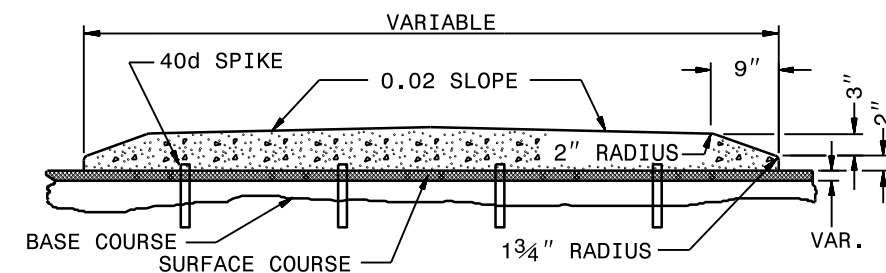
NOTE:

WHEN MONOLITHIC CONCRETE ISLAND IS ON TOP OF SURFACE COURSE, DRIVE 40d SPIKES INTO SURFACE UNDER MONOLITHIC CONCRETE ISLAND. STAGGER SPIKES ON 2' CENTERS EACH WAY.

IN THE CONCRETE PAVEMENT (ISLAND) AND CONCRETE ISLAND (MONOLITHIC) PLACE 1/2" EXPANSION JOINTS AT 30' INTERVALS AND GROOVED JOINTS 1" DEEP AT 10' INTERVALS BETWEEN EXPANSION JOINTS.

LINE UP THE JOINTS IN THE CONCRETE PAVEMENT (ISLAND) WITH THE JOINTS IN THE CURB OR CURB AND GUTTER. FILL AND SEAL THE TOP 1/2" OF THE EXPANSION JOINTS AND THE ENTIRE DEPTH OF GROOVED JOINTS WITH JOINT SEALER.

FOR JOINTS IN THE CURB AND/OR CURB AND GUTTER, SEE STANDARD NO. 846.01



**5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
ON ASPHALT CONCRETE PAVEMENT**
(USE ON ISLAND 4' WIDE OR GREATER)

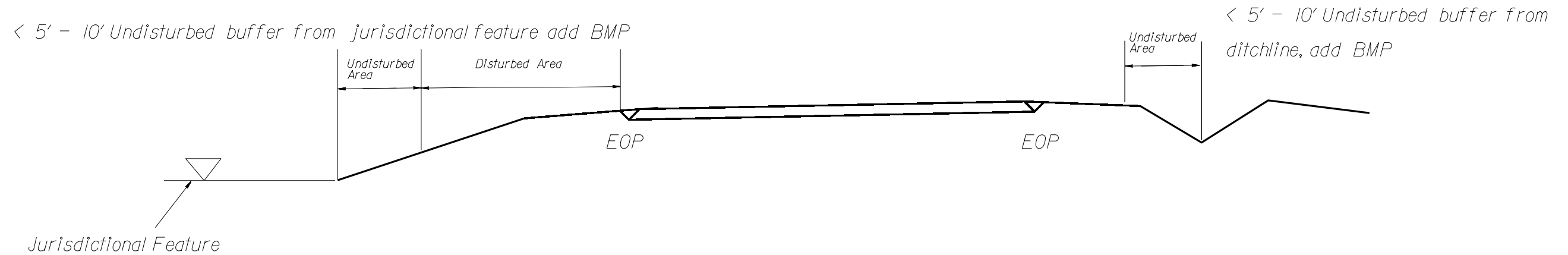
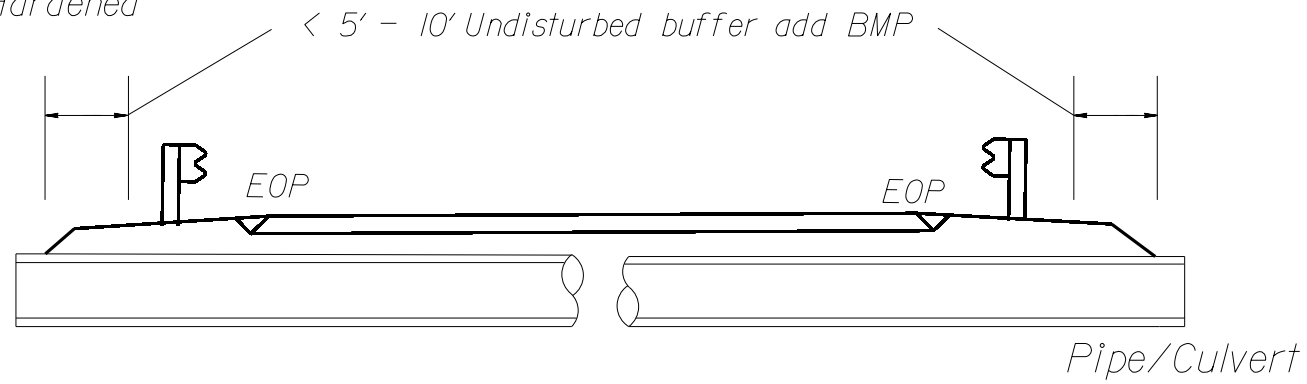
NOTE:

1. 5" MONOLITHIC CONCRETE ISLAND SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL AT -Y-, -Y1 AND -Y2-.

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

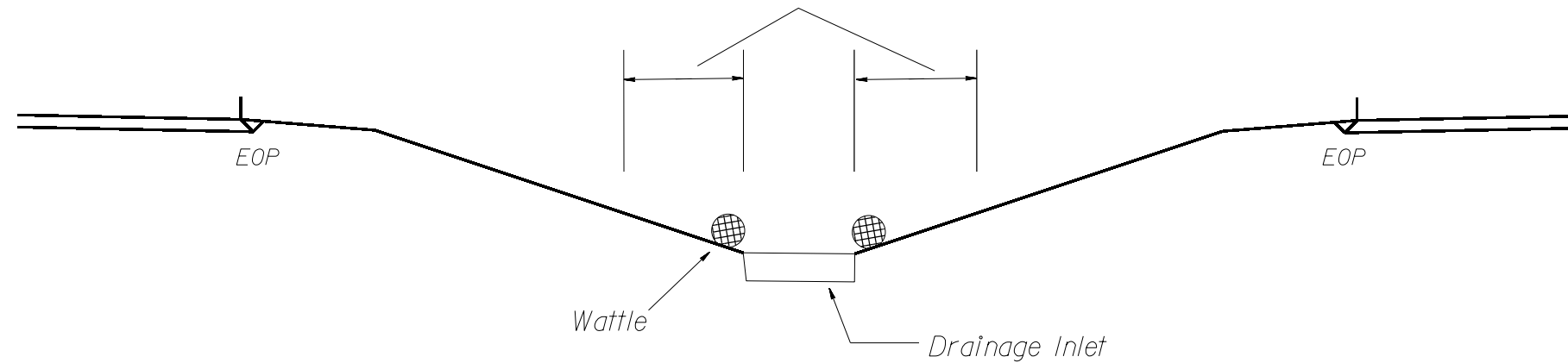
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

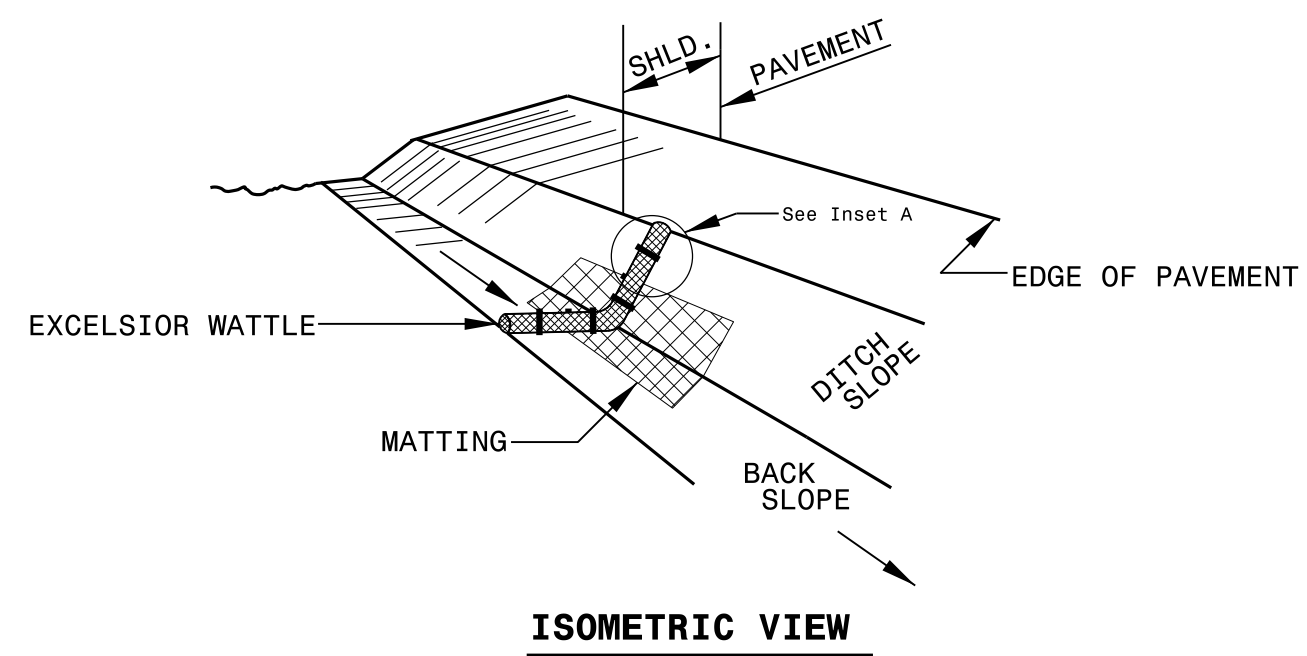


< 5' - 10' Undisturbed buffer from inlet, add wattle



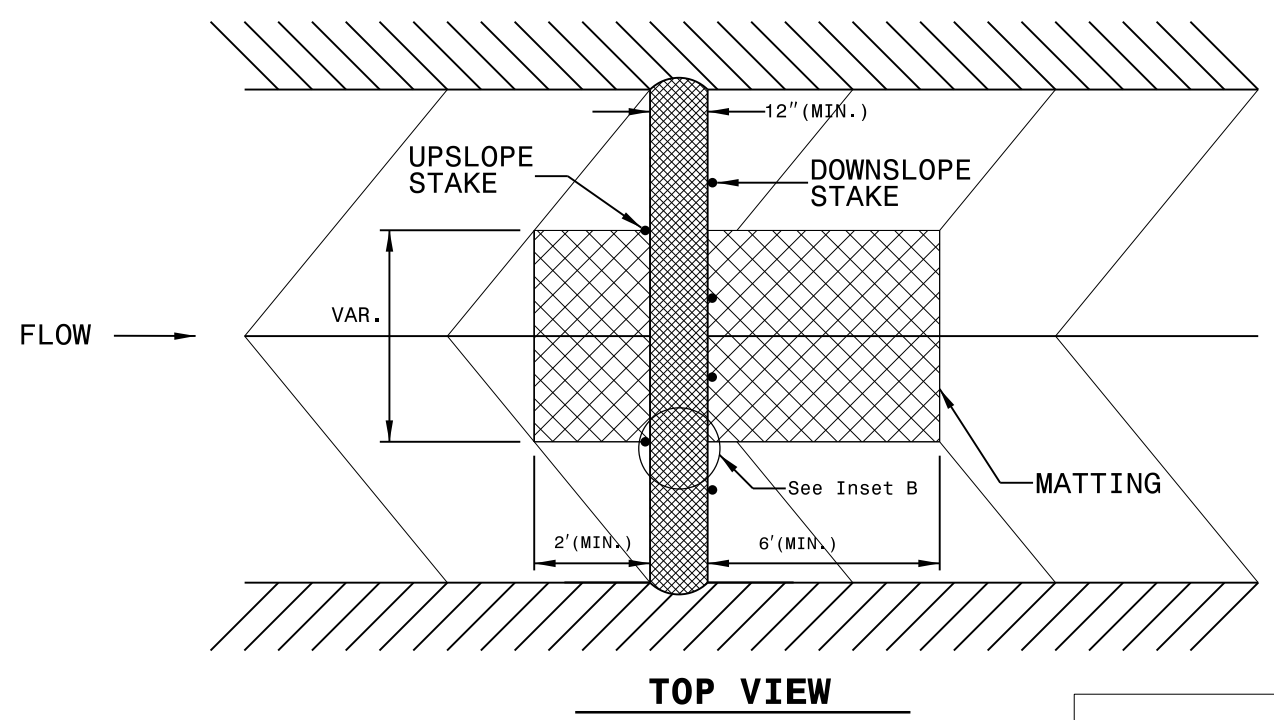
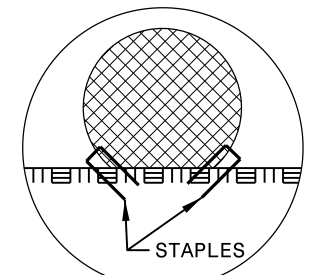
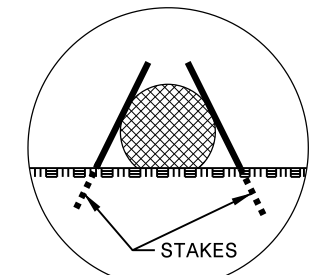
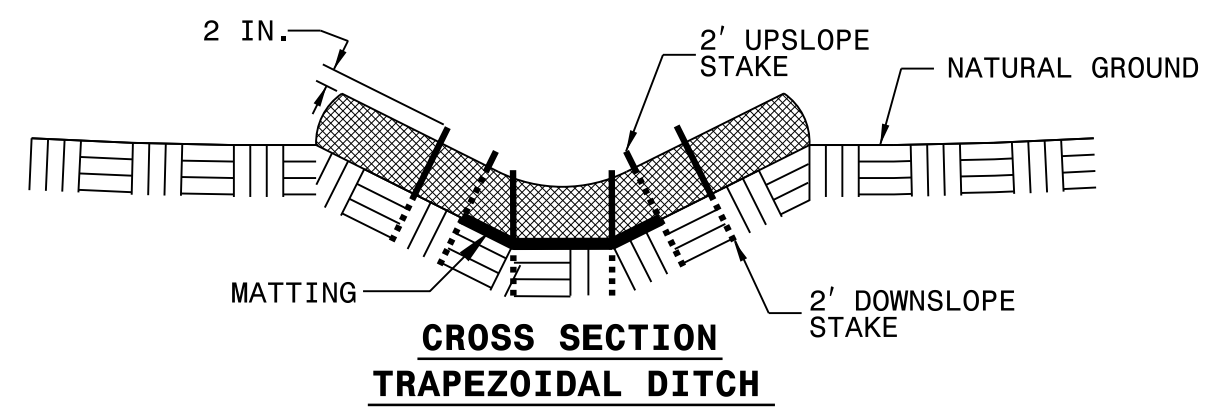
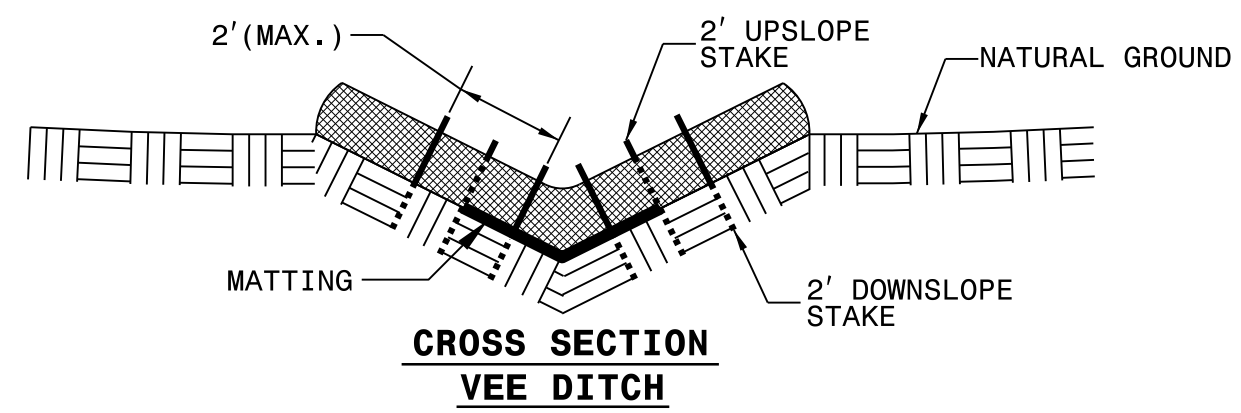
NOT TO SCALE

WATTLE DETAIL



NOTES:

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



NOT TO SCALE

SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH MI | WIDTH FT | REMOVAL OF EXISTING CONCRETE ISLAND SY | INCIDENTAL STONE BASE TONS | SHOULDER RECONSTRUCTION SMI | INCIDENTAL MILLING SY | SURFACE COURSE S9.5B TONS | ASPHALT BINDER FOR PLANT MIX TONS | 5" MONOLITHIC CONCRETE ISLANDS (SURF MTD) SY | ADJ. OF METER OR VALVE BOX EA | TEMPORARY SILT FENCE LF | WATTLE LF | SEED & MULCHING AC | RESPONSE FOR EROSION CONTROL EA |
|--|--------|--------|------------------|---|--------|-------|-----------|--------------------------------|---------------------------|-----------|----------|--|----------------------------|-----------------------------|-----------------------|---------------------------|-----------------------------------|--|-------------------------------|-------------------------|-----------|--------------------|---------------------------------|
| 2016CPT.02.05.10741.3 | Pitt | 1 | US 13/US-264-ALT | RESURFACING US13/US264-ALT FROM US13/US264-ALT SPLIT TO 1600' WEST OF SR 2102 | 1 | 2 | 2WU | NO | NO | 4.19 | 60 | 700.0 | 100.0 | 8.4 | 1,150.0 | 8,900.0 | 534.0 | 700.0 | 3.0 | 1,000.0 | 500.0 | 5.1 | 8.0 |
| TOTAL FOR MAP NO. 1 | | | | | | | | | | 4.19 | | 700 | 100 | 8.40 | 1,150 | 8,900 | 534 | 700 | 3 | 1,000.0 | 500 | 5.10 | 8 |
| TOTAL FOR PROJ NO. 2016CPT.02.05.10741.3 | | | | | | | | | | 4.19 | | 700 | 100 | 8.40 | 1,150 | 8,900 | 534 | 700 | 3 | 1,000.0 | 500 | 5.10 | 8 |
| GRAND TOTAL | | | | | | | | | | 4.19 | | 700 | 100 | 8.40 | 1,150 | 8,900 | 534 | 700 | 3 | 1,000.0 | 500 | 5.10 | 8 |

THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANES | LANE TYPE | LENGTH | WIDTH | TEMPORARY TRAFFIC CONTROL LS | WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF | THERMO PVT MKG LINES 6" 90MILS LF | THERMO PVT MKG LINES 6" 120MILS LF | THERMO LT ARROW 90 M EA | THERMO STR ARROW 90 M EA | SNOWPLB PVT MARKER EA |
|---|--------|--------|------------------|---|--------|-------|-----------|-------------|-------|------------------------------|--|-----------------------------------|------------------------------------|-------------------------|--------------------------|-----------------------|
| 2016CPT.02.05.10741.3 | Pitt | 1 | US 13/US-264-ALT | RESURFACING US13/US264-ALT FROM US13/US264-ALT SPLIT TO 1600' WEST OF SR 2102 | 1 | 2 | 2WJ | 4.19 | VAR | 1.00 | 534 | 45,084 | 27,654 | 11 | 3 | 310.00 |
| TOTAL FOR MAP NO. 1 | | | | | | | | 4.19 | | 1 | 534 | 45,084 | 27,654 | 11 | 3 | 310 |
| TOTAL FOR PROJ NO. 2016CPT.02.05.10741.3 | | | | | | | | 4.19 | | 1 | 534 | 45,084 | 27,654 | 11 | 3 | 310 |
| GRAND TOTAL | | | | | | | | 4.19 | | 1 | 534 | 45,084 | 27,654 | 11 | 3 | 310 |