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Driftway Complete Streets Improvement Project

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August 24, 2020

**ADDENDUM NO. 1**

To Prospective Bidders:

**SALISBURY**

**DRIFTWAY COMPLETE STREETS IMPROVEMENT PROJECT**

The Driftway Complete Streets Improvement Project bid documents have been updated to include the following changes:

- The addition of drainage structure #7,
- Revised drainage table for structures #5 & #6,
- Modified the crosswalk pavement marking style at North End Boulevard
- Additional Temporary Traffic Control requirements
- Receipt of the Order of Conditions from the local Conservation Commission

To accommodate these updates, we are transmitting changes to the Contract Documents as follows:

REVISED BID TABS (Addendum 1 – Attachment 1): Revised Bid Tab 1 and Bid Tab 4, (BT-1, BT-4)  
[Edited Item 156., Item 204., Item 222.3, Item 252.10 and Item 852.]

PLAN SHEETS (Addendum 1 – Attachment 2): Edited Sheets 4, 7, 9, and 11; Inserted Sheets 9A and 9B

ORDER OF CONDITIONS (Addendum 1 – Attachment 3): Insert new document into the Project Manual Appendix

Please take note of the above, substitute the revised pages and document for the originals, and acknowledge Addendum No. 1 in your Proposal before submitting your bid.

Respectfully Submitted,



TEC, Inc.  
Jake P. Carmody, P.E.  
Project Manager

# Addendum 1 - Attachment 1

## Bid Tabs

| ITEM NO. | QTY  | ITEM WITH UNIT BID PRICE WRITTEN IN WORDS                         | UNIT PRICE |       | TOTAL   |       |
|----------|------|---|------------|-------|---------|-------|
|          |      |   | DOLLARS    | CENTS | DOLLARS | CENTS |
| 120.1    | 850  | AT UNCLASSIFIED EXCAVATION<br>PER CUBIC YARD                      |            |       |         |       |
| 151.     | 725  | AT GRAVEL BORROW<br>PER CUBIC YARD                                |            |       |         |       |
| 156.     | 22   | AT CRUSHED STONE<br>PER TON                                       |            |       |         |       |
| 170.     | 2100 | AT FINE GRADING AND COMPACTING - SUBGRADE AREA<br>PER SQUARE YARD |            |       |         |       |
| 201.     | 1    | AT CATCH BASIN<br>PER EACH  |            |       |         |       |
| 202.     | 1    | AT MANHOLE<br>PER EACH  |            |       |         |       |
| 204.     | 3    | AT GUTTER INLET<br>PER EACH                                       |            |       |         |       |
| 220.     | 3    | AT DRAINAGE STRUCTURE ADJUSTED<br>PER EACH                        |            |       |         |       |
| 220.3    | 1    | AT DRAINAGE STRUCTURE CHANGE IN TYPE<br>PER EACH                  |            |       |         |       |
| 220.7    | 4    | AT SANITARY STRUCTURE ADJUSTED<br>PER EACH                        |            |       |         |       |
| 222.3    | 6    | AT FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD<br>PER EACH      |            |       |         |       |
| 223.1    | 1    | AT FRAME AND GRATE (OR COVER) REMOVED AND STACKED<br>PER EACH     |            |       |         |       |
| 252.10   | 240  | AT 10 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE<br>PER FOOT     |            |       |         |       |

**CARRIED FORWARD**

*BT-1*

**BROUGHT FORWARD**

| ITEM NO. | QTY  | ITEM WITH UNIT BID PRICE WRITTEN IN WORDS                                | UNIT PRICE |       | TOTAL   |       |
|----------|------|--|------------|-------|---------|-------|
|          |      |  | DOLLARS    | CENTS | DOLLARS | CENTS |
| 252.12   | 15   | 12 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE<br>AT _____<br>PER FOOT   |            |       |         |       |
| 358.     | 10   | GATE BOX ADJUSTED<br>AT _____<br>PER EACH                                |            |       |         |       |
| 381.3    | 14   | SERVICE BOX ADJUSTED<br>AT _____<br>PER EACH                             |            |       |         |       |
| 415.3    | 2150 | PAVEMENT MICRO MILLING<br>AT _____<br>PER SQUARE YARD                    |            |       |         |       |
| 440.     | 2000 | CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL<br>AT _____<br>PER POUND       |            |       |         |       |
| 443.     | 8    | WATER FOR ROADWAY DUST CONTROL<br>AT _____<br>PER THOUSAND GALLONS       |            |       |         |       |
| 450.22   | 250  | SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)<br>AT _____<br>PER TON        |            |       |         |       |
| 450.31   | 75   | SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5)<br>AT _____<br>PER TON |            |       |         |       |
| 450.42   | 140  | SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5)<br>AT _____<br>PER TON         |            |       |         |       |
| 451.     | 75   | HMA FOR PATCHING<br>AT _____<br>PER TON                                  |            |       |         |       |
| 452.     | 210  | ASPHALT EMULSION FOR TACK COAT<br>AT _____<br>PER GALLON                 |            |       |         |       |
| 453.     | 2900 | HMA JOINT SEALANT<br>AT _____<br>PER FOOT                                |            |       |         |       |
| 472.     | 30   | TEMPORARY ASPHALT PATCHING<br>AT _____<br>PER TON                        |            |       |         |       |

**CARRIED FORWARD**

BT-2

**BROUGHT FORWARD**

| ITEM NO. | QTY  | ITEM WITH UNIT BID PRICE WRITTEN IN WORDS                           | UNIT PRICE |       | TOTAL   |       |
|----------|------|---|------------|-------|---------|-------|
|          |      |   | DOLLARS    | CENTS | DOLLARS | CENTS |
| 482.5    | 275  | AT SAWCUTTING ASPHALT PAVEMENT FOR BOX WIDENING<br>_____            |            |       |         |       |
|          |      | PER FOOT  |            |       |         |       |
| 506.     | 775  | AT GRANITE CURB TYPE VB - STRAIGHT<br>_____                         |            |       |         |       |
|          |      | PER FOOT  |            |       |         |       |
| 506.1    | 100  | AT GRANITE CURB TYPE VB - CURVED<br>_____                           |            |       |         |       |
|          |      | PER FOOT  |            |       |         |       |
| 509.     | 175  | AT GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT<br>_____ |            |       |         |       |
|          |      | PER FOOT  |            |       |         |       |
| 509.1    | 90   | AT GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED<br>_____   |            |       |         |       |
|          |      | PER FOOT  |            |       |         |       |
| 517.     | 1    | AT GRANITE CURB CORNER TYPE B<br>_____                              |            |       |         |       |
|          |      | PER EACH  |            |       |         |       |
| 697.1    | 5    | AT SILT SACK<br>_____   |            |       |         |       |
|          |      | PER EACH  |            |       |         |       |
| 701.     | 1150 | AT CEMENT CONCRETE SIDEWALK<br>_____                                |            |       |         |       |
|          |      | PER SQUARE YARD   |            |       |         |       |
| 701.1    | 115  | AT CEMENT CONCRETE SIDEWALK AT DRIVEWAYS<br>_____                   |            |       |         |       |
|          |      | PER SQUARE YARD   |            |       |         |       |
| 701.2    | 150  | AT CEMENT CONCRETE WHEELCHAIR RAMP<br>_____                         |            |       |         |       |
|          |      | PER SQUARE YARD   |            |       |         |       |
| 707.81   | 7    | AT STEEL BOLLARD REMOVED AND DISCARDED<br>_____                     |            |       |         |       |
|          |      | PER EACH  |            |       |         |       |
| 708.5    | 4    | AT PARKING METER REMOVED AND RESET<br>_____                         |            |       |         |       |
|          |      | PER EACH  |            |       |         |       |
| 748.     | 1    | AT MOBILIZATION<br>_____  |            |       |         |       |
|          |      | PER LUMP SUM  |            |       |         |       |

**CARRIED FORWARD**

**BROUGHT FORWARD**

| ITEM NO. | QTY  | ITEM WITH UNIT BID PRICE WRITTEN IN WORDS   | UNIT PRICE |       | TOTAL   |       |
|----------|------|---|------------|-------|---------|-------|
|          |      |   | DOLLARS    | CENTS | DOLLARS | CENTS |
| 753.     | 1    | AT RAIN GARDEN AND LANDSCAPE AREAS<br>PER LUMP SUM                                    |            |       |         |       |
| 767.121  | 100  | AT SEDIMENT CONTROL BARRIER<br>PER FOOT   |            |       |         |       |
| 832.     | 40   | AT WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)<br>PER SQUARE FOOT   |            |       |         |       |
| 847.1    | 20   | AT SIGN SUP (N/GUIDE)+RTE MKR W/I BRKWAY POST ASSEMBLY - STEEL<br>PER EACH            |            |       |         |       |
| 852.     | 350  | AT SAFETY SIGNING FOR TRAFFIC MANAGEMENT<br>PER SQUARE FOOT                           |            |       |         |       |
| 853.1    | 4    | AT PORTABLE BREAKAWAY BARRICADE TYPE III<br>PER EACH                                  |            |       |         |       |
| 856.     | 180  | AT ARROW BOARD<br>PER DAY   |            |       |         |       |
| 856.12   | 180  | AT PORTABLE CHANGEABLE MESSAGE SIGN<br>PER DAY  |            |       |         |       |
| 859.     | 3000 | AT REFLECTORIZED DRUM<br>PER DAY  |            |       |         |       |
| 859.1    | 200  | AT REFLECTORIZED DRUMS WITH SEQUENTIAL FLASHING WARNING LIGHTS<br>PER DAY             |            |       |         |       |
| 864.04   | 110  | AT PAVEMENT ARROWS AND LEGENDS REFLECTORIZED WHITE (THERMOPLASTIC)<br>PER SQUARE FOOT |            |       |         |       |
| 866.104  | 1050 | AT 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)<br>PER FOOT                        |            |       |         |       |
| 866.112  | 525  | AT 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)<br>PER FOOT                       |            |       |         |       |

**CARRIED FORWARD**

**BROUGHT FORWARD**

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| ITEM NO. | QTY | ITEM WITH UNIT BID PRICE WRITTEN IN WORDS                                 | UNIT PRICE |       | TOTAL    |       |
|----------|-----|---|------------|-------|----------|-------|
|          |     |   | DOLLARS    | CENTS | DOLLARS  | CENTS |
| 867.104  | 825 | 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)<br>AT _____<br>PER FOOT  |            |       |          |       |
| 874.1    | 1   | STREET SIGN REMOVED AND RESET<br>AT _____<br>PER EACH                     |            |       |          |       |
| 874.2    | 25  | TRAFFIC SIGN REMOVED AND RESET<br>AT _____<br>PER EACH                    |            |       |          |       |
| 874.4    | 5   | TRAFFIC SIGN REMOVED AND STACKED<br>AT _____<br>PER EACH                  |            |       |          |       |
| 999      | 1   | POLICE DETAIL ALLOWANCE<br>AT _____ THIRTY FIVE THOUSAND<br>PER ALLOWANCE | \$35,000   | 00    | \$35,000 | 00    |

**BASE BID TOTAL**

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BT-5

**ADD ALT 1**

| ITEM NO. | QTY | ITEM WITH UNIT BID PRICE WRITTEN IN WORDS | UNIT PRICE |       | TOTAL   |       |
|----------|-----|---|------------|-------|---------|-------|
|          |     |   | DOLLARS    | CENTS | DOLLARS | CENTS |
| 701.3    | 65  | AT<br>_____<br>PER SQUARE YARD            |            |       |         |       |
| 707.1    | 4   | PARK BENCH<br>AT<br>_____<br>PER EACH     |            |       |         |       |
| 707.9    | 6   | BICYCLE RACK<br>AT<br>_____<br>PER EACH   |            |       |         |       |

**ADD ALT 1 TOTAL** \_\_\_\_\_

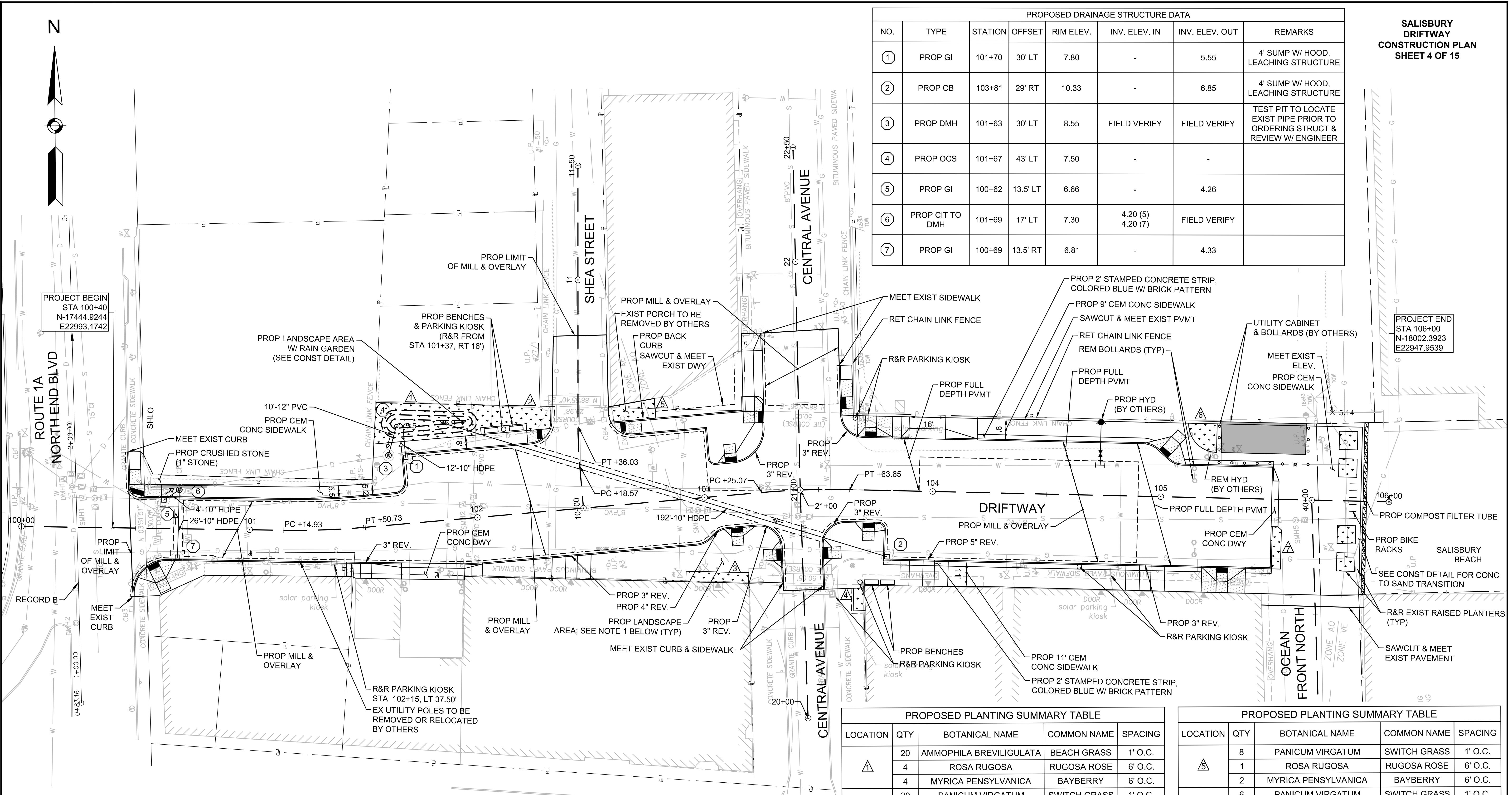


Addendum 1 - Attachment 2  
Revised Plan Sheets



**SALISBURY  
DRIFTWAY  
CONSTRUCTION PLAN  
SHEET 4 OF 15**

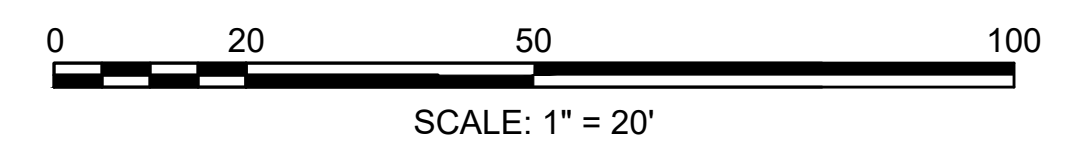
| PROPOSED DRAINAGE STRUCTURE DATA |                 |         |          |           |                      |                |   |
|----------------------------------|-----------------|---------|----------|-----------|----------------------|----------------|---|
| NO.                              | TYPE            | STATION | OFFSET   | RIM ELEV. | INV. ELEV. IN        | INV. ELEV. OUT | REMARKS   |
| ①                                | PROP GI         | 101+70  | 30' LT   | 7.80      | -                    | 5.55           | 4' SUMP W/ HOOD, LEACHING STRUCTURE   |
| ②                                | PROP CB         | 103+81  | 29' RT   | 10.33     | -                    | 6.85           | 4' SUMP W/ HOOD, LEACHING STRUCTURE   |
| ③                                | PROP DMH        | 101+63  | 30' LT   | 8.55      | FIELD VERIFY         | FIELD VERIFY   | TEST PIT TO LOCATE EXIST PIPE PRIOR TO ORDERING STRUCT & REVIEW W/ ENGINEER |
| ④                                | PROP OCS        | 101+67  | 43' LT   | 7.50      | -                    | -              |   |
| ⑤                                | PROP GI         | 100+62  | 13.5' LT | 6.66      | -                    | 4.26           |   |
| ⑥                                | PROP CIT TO DMH | 101+69  | 17' LT   | 7.30      | 4.20 (5)<br>4.20 (7) | FIELD VERIFY   |   |
| ⑦                                | PROP GI         | 100+69  | 13.5' RT | 6.81      | -                    | 4.33           |   |



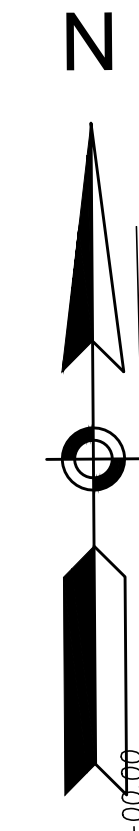
**CONSTRUCTION NOTES:**  
 1. ALL LANDSCAPE AREAS SHALL INCLUDE 4" OF DECORATIVE RIVER STONE (GRADED BETWEEN 1" AND 3" STONES) OVER THE 6" LOAM BORROW.

| PROPOSED PLANTING SUMMARY TABLE |     |                         |              |         |
|---------------------------------|-----|-------------------------|--------------|---------|
| LOCATION                        | QTY | BOTANICAL NAME          | COMMON NAME  | SPACING |
| A                               | 20  | AMMOPHILA BREVILIGULATA | BEACH GRASS  | 1' O.C. |
|                                 | 4   | ROSA RUGOSA             | RUGOSA ROSE  | 6' O.C. |
|                                 | 4   | MYRICA PENSYLVANICA     | BAYBERRY     | 6' O.C. |
| B                               | 30  | PANICUM VIRGATUM        | SWITCH GRASS | 1' O.C. |
|                                 | 6   | ROSA RUGOSA             | RUGOSA ROSE  | 6' O.C. |
|                                 | 6   | MYRICA PENSYLVANICA     | BAYBERRY     | 6' O.C. |
| C                               | 6   | PANICUM VIRGATUM        | SWITCH GRASS | 1' O.C. |
|                                 | 1   | ROSA RUGOSA             | RUGOSA ROSE  | 6' O.C. |
|                                 | 1   | MYRICA PENSYLVANICA     | BAYBERRY     | 6' O.C. |
| D                               | 2   | PANICUM VIRGATUM        | SWITCH GRASS | 1' O.C. |
|                                 | 1   | MYRICA PENSYLVANICA     | BAYBERRY     | 6' O.C. |

| PROPOSED PLANTING SUMMARY TABLE |     |                     |              |         |
|---------------------------------|-----|---------------------|--------------|---------|
| LOCATION                        | QTY | BOTANICAL NAME      | COMMON NAME  | SPACING |
| E                               | 8   | PANICUM VIRGATUM    | SWITCH GRASS | 1' O.C. |
|                                 | 1   | ROSA RUGOSA         | RUGOSA ROSE  | 6' O.C. |
| F                               | 2   | MYRICA PENSYLVANICA | BAYBERRY     | 6' O.C. |
|                                 | 6   | PANICUM VIRGATUM    | SWITCH GRASS | 1' O.C. |
| G                               | 1   | ROSA RUGOSA         | RUGOSA ROSE  | 6' O.C. |
|                                 | 1   | MYRICA PENSYLVANICA | BAYBERRY     | 6' O.C. |
| H                               | 3   | PANICUM VIRGATUM    | SWITCH GRASS | 1' O.C. |
|                                 | 1   | MYRICA PENSYLVANICA | BAYBERRY     | 6' O.C. |

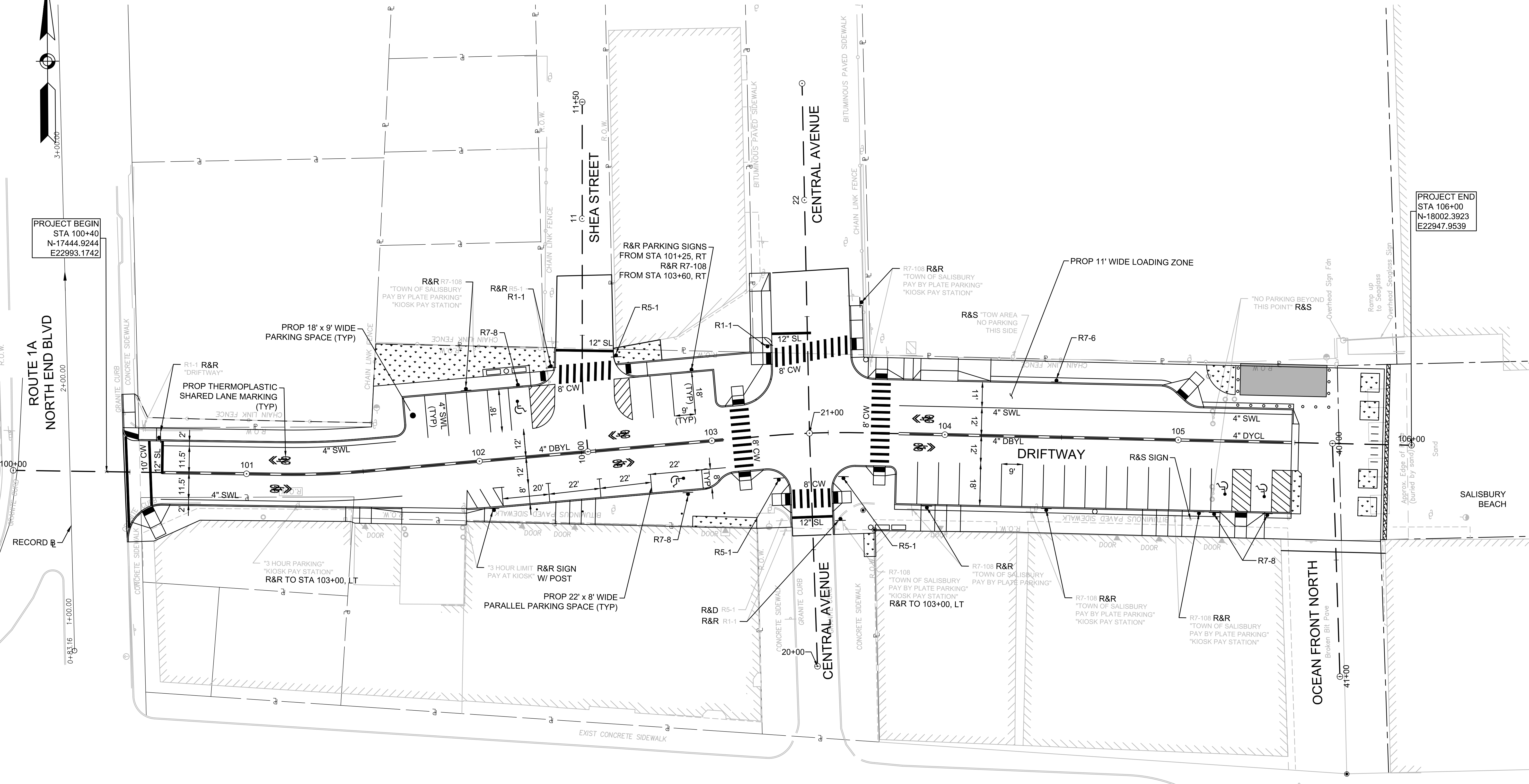


SALISBURY DRIFTWAY TRAFFIC SIGN & PAVEMENT MARKING PLAN SHEET 7 OF 15



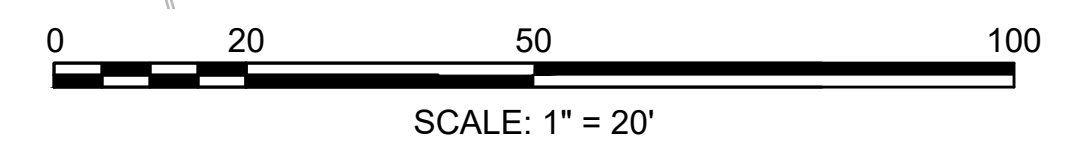
PROJECT BEGIN  
STA 100+40  
N-17444.9244  
E22993.1742

ROUTE 1A  
NORTH END BLVD



PROJECT END  
STA 106+00  
N-18002.3923  
E22947.9539

SALISBURY BEACH



**TEMPORARY TRAFFIC CONTROL NOTES:**

- ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
- ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
- SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN THE "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
- CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS.
- THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH SEQUENTIAL WARNING LIGHTS.
- THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
- MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A CONSTRUCTION PHASING DIAGRAM FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

**LEGEND:**

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- ▨ WORK ZONE
- 🚚 WORK VEHICLE
- P/F POLICE/FLAGGER DETAIL
- ➡ DIRECTION OF TRAFFIC
- 🚚 TRUCK MOUNTED ATTENUATOR
- ▨ TYPE III BARRICADE
- 🚚 IMPACT ATTENUATOR
- ➡ TRAFFIC OR PEDESTRIAN SIGNAL
- 📄 CHANGEABLE MESSAGE SIGN
- ▨ MEDIAN BARRIER
- ➡ SIGN
- 📄 ARROW BOARD
- ▨ MEDIAN BARRIER WITH WARNING LIGHTS

**SUGGESTED WORK ZONE WARNING SIGN SPACING**

| ROAD TYPE                    | DISTANCE BETWEEN SIGNS ** |       |       |
|------------------------------|---------------------------|-------|-------|
|                              | A                         | B     | C     |
| LOCAL OR LOW VOLUME ROADWAYS | 350                       | 350   | 350   |
| MOST OTHER ROADWAYS          | 500                       | 500   | 500   |
| FREEWAYS AND EXPRESSWAYS     | 1,000                     | 1,500 | 2,640 |

\*\* DISTANCES ARE SHOWN IN FEET. THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN THE DETAIL/TYPICAL SETUP FIGURES. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "THIRD" SIGN IS THE FIRST ONE TYPICALLY ENCOUNTERED BY A DRIVER APPROACHING A TEMPORARY TRAFFIC CONTROL (TTC) ZONE.)

THE "THIRD" SIGN ABOVE IS TYPICALLY REFERRED TO AS AN "ADVANCE WARNING" SIGN ON THE TTCP SETUPS. THESE ADVANCE WARNING SIGNS ARE LOCATED PRIOR TO THE PROJECT LIMITS ON ALL APPROACHES (i.e. THE W20-1 SERIES (ROAD WORK XX FT) SIGNS), AND USUALLY REMAIN FOR THE DURATION OF THE PROJECT.

THE FIRST AND SECOND WARNING SIGNS ABOVE ARE REFERRED TO AS THE OPERATIONAL (DAY-TO-DAY) WORK ZONE SIGNS AND MAY BE MOVED DEPENDING ON WHERE THE SPECIFIC ROADWAY WORK FOR THAT DAY IS LOCATED.

R2-10a SIGNS SHALL BE PLACED BETWEEN THE SECOND AND THIRD SIGNS AS DESCRIBED ABOVE.

R2-10a, R2-10e, AND W20-1 SERIES SIGNS ARE TO BE INCLUDED ON ALL DETAILS/TYPICAL SETUPS.

**TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES**

| TYPE OF TAPER                   | TAPER LENGTH (L)                |
|---------------------------------|---------------------------------|
| MERGING TAPER                   | AT LEAST L                      |
| SHIFTING TAPER                  | AT LEAST 0.5L                   |
| SHOULDER TAPER                  | AT LEAST 0.33L                  |
| ONE-LANE, TWO-WAY TRAFFIC TAPER | 50 FT MIN. 100 FT MAX.          |
| DOWNSTREAM TAPER                | 50 FT MIN. 100 FT MAX. PER LANE |

**FORMULAS FOR DETERMINING TAPER LENGTHS**

| SPEED LIMIT (S) | TAPER LENGTH (L) FEET |
|-----------------|-----------------------|
| 40 MPH OR LESS  | $L = \frac{WS^2}{60}$ |
| 45 MPH OR MORE  | $L = WS$              |

WHERE: L = TAPER LENGTH IN FEET

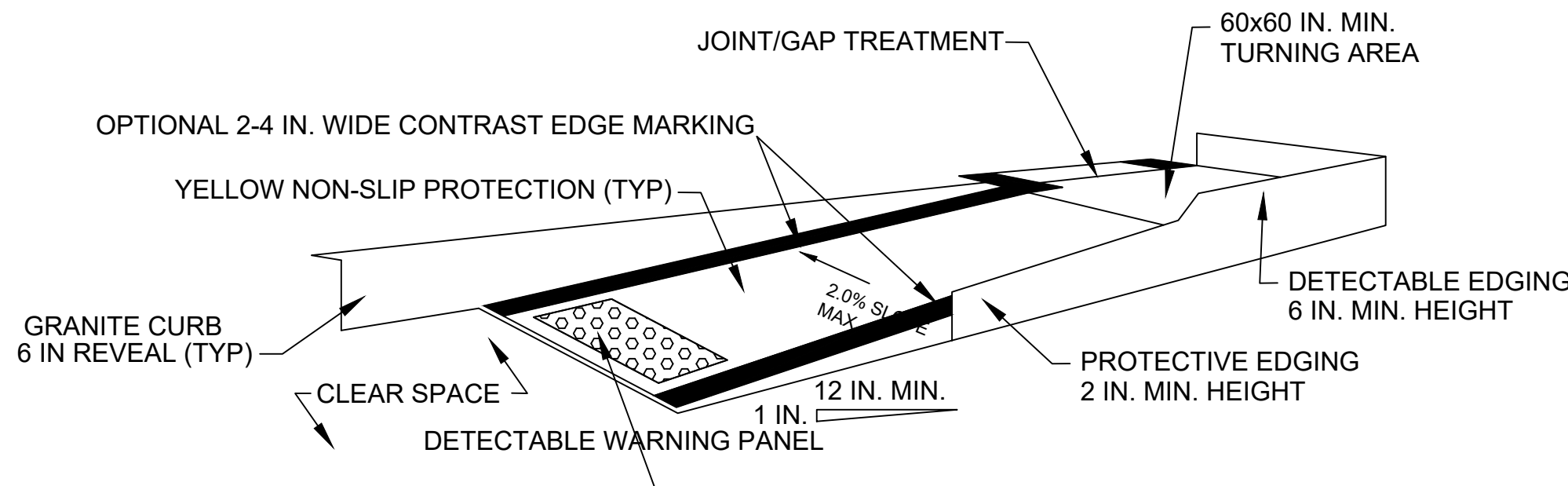
W = WIDTH OF OFFSET IN FEET

S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH

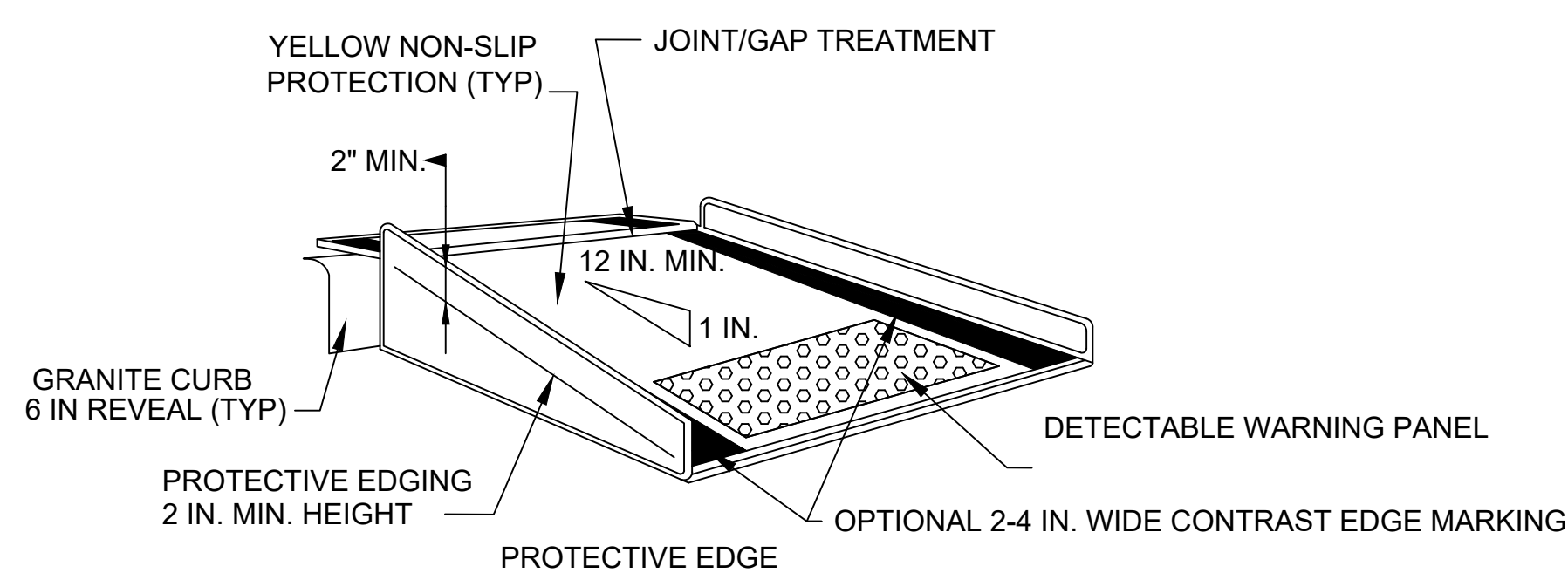
**TYPICAL PEDESTRIAN DETAILS:**

**NOTES:**

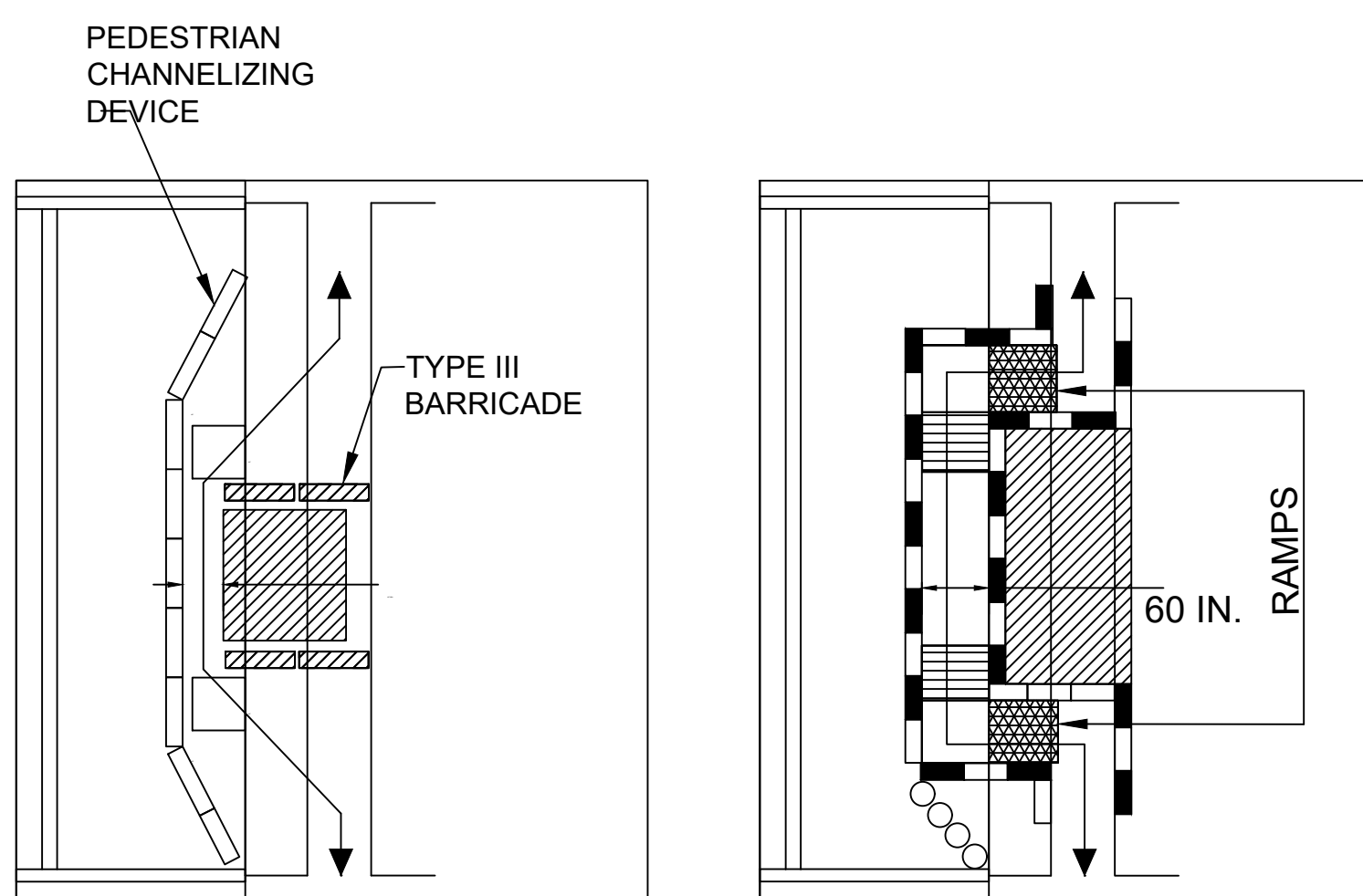
- WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED IN A TTC ZONE, TEMPORARY FACILITIES SHALL BE PROVIDED AND THEY SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
- A PEDESTRIAN CHANNELIZING DEVICE THAT IS DETECTABLE BY A PERSON WITH A VISUAL DISABILITY TRAVELING WITH THE AID OF A LONG CANE SHALL BE PLACED ALONG THE FULL LENGTH OF THE TEMPORARY PEDESTRIAN ROUTE.
- WHEN USED, TEMPORARY RAMPS SHALL COMPLY WITH AMERICANS WITH DISABILITIES ACT.
- THE ALTERNATE PATHWAY SHOULD HAVE A SMOOTH CONTINUOUS HARD SURFACE FOR THE ENTIRE LENGTH OF THE TEMPORARY PEDESTRIAN FACILITY.
- THE TEMPORARY SIDEWALK SHOULD BE A MINIMUM OF 4 FEET WIDE. IF THE SIDEWALK EXCEEDS 200 FEET THEN A 5 FOOT BY 5 FOOT PASSING ZONE SHALL BE PROVIDED NEAR THE MIDPOINT OF THE CLOSURE.
- THE PROTECTIVE REQUIREMENTS OF A TTC WORK ZONE MAY HAVE AN IMPACT IN DETERMINING THE NEED FOR TEMPORARY TRAFFIC BARRIERS AND THEIR USE IN PROVIDING PEDESTRIAN DELINEATION SHOULD BE BASED ON ENGINEERING JUDGEMENT.
- ON-DEMAND PEDESTRIAN ASSISTANCE PERSONNEL TO ASSIST WITH NAVIGATION AROUND THE CLOSURE/WORK AREA MAY BE CONSIDERED AS AN OPTION IN PLACE OF PROVIDING ADA/AB DEVICES FOR WORK CLOSURES LASTING 4 HOURS OR LESS.
- CONTROLS ONLY FOR PEDESTRIAN TRAFFIC ARE SHOWN; VEHICULAR TRAFFIC SHOULD BE HANDLED AS SHOWN ELSEWHERE. THESE DETAILS ARE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS AND DURING CONSTRUCTION STAGING, AS DETERMINED BY THE ENGINEER.



**TEMPORARY CURB RAMP PARALLEL TO CURB**

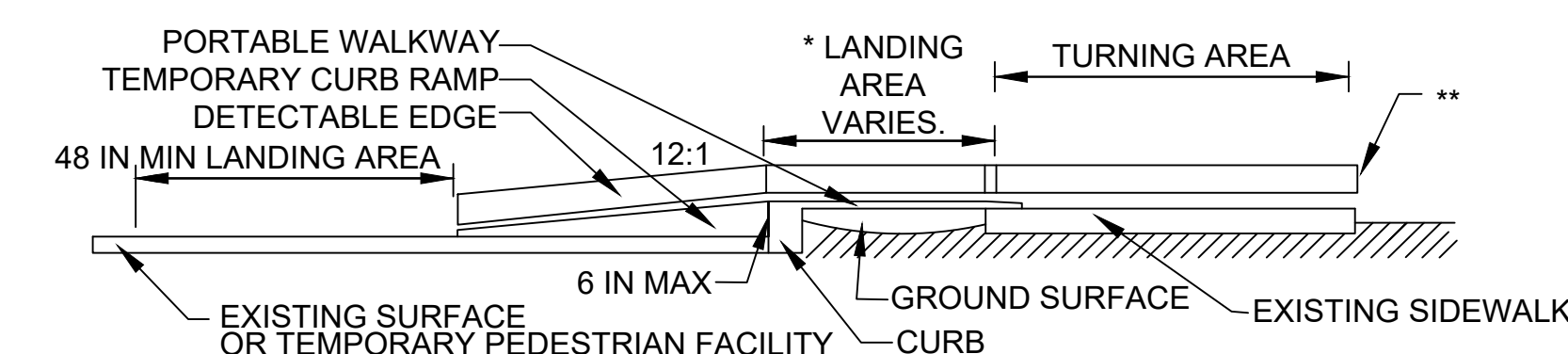
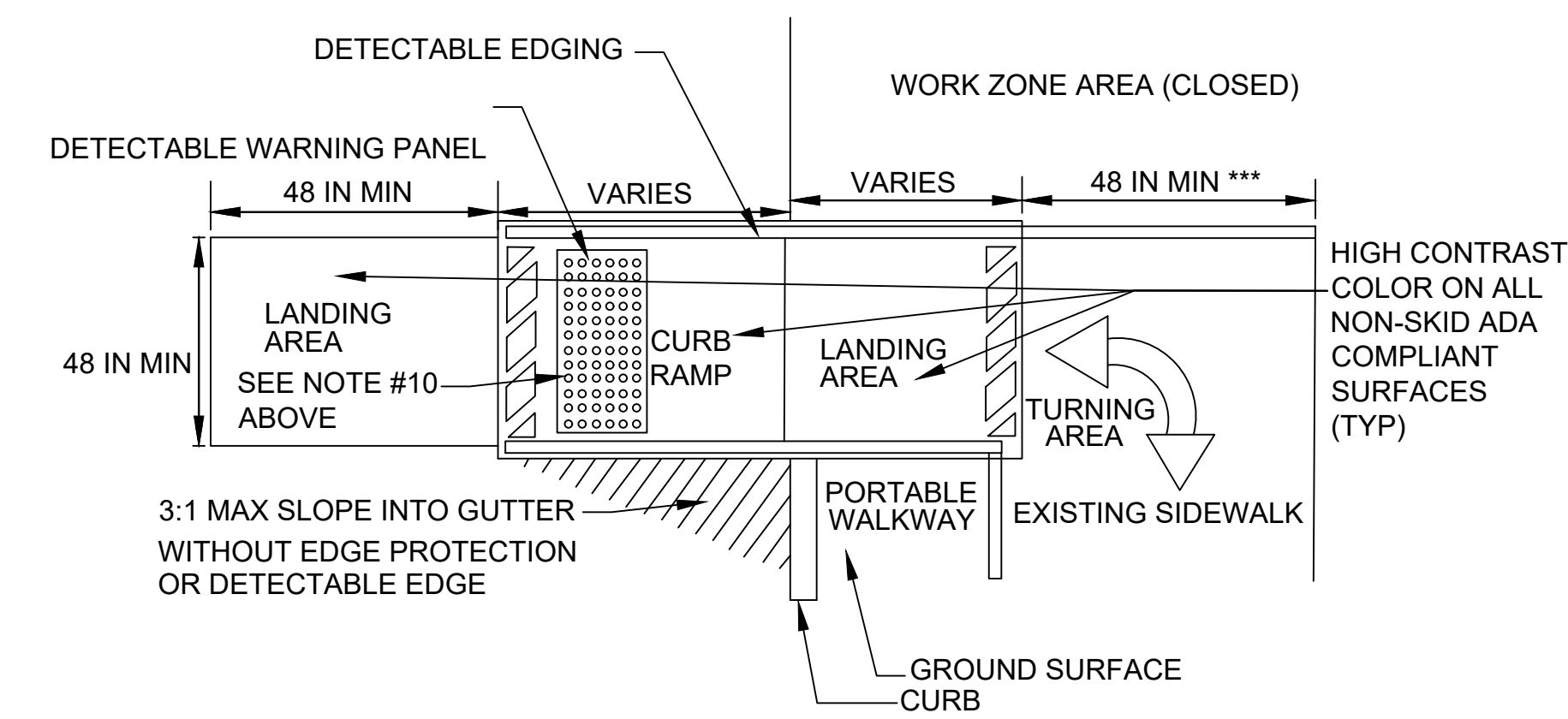


**TEMPORARY CURB RAMP-PERPENDICULAR TO CURB**



**PEDESTRIAN BYPASS**

**TYPICAL PEDESTRIAN DEVICES:**

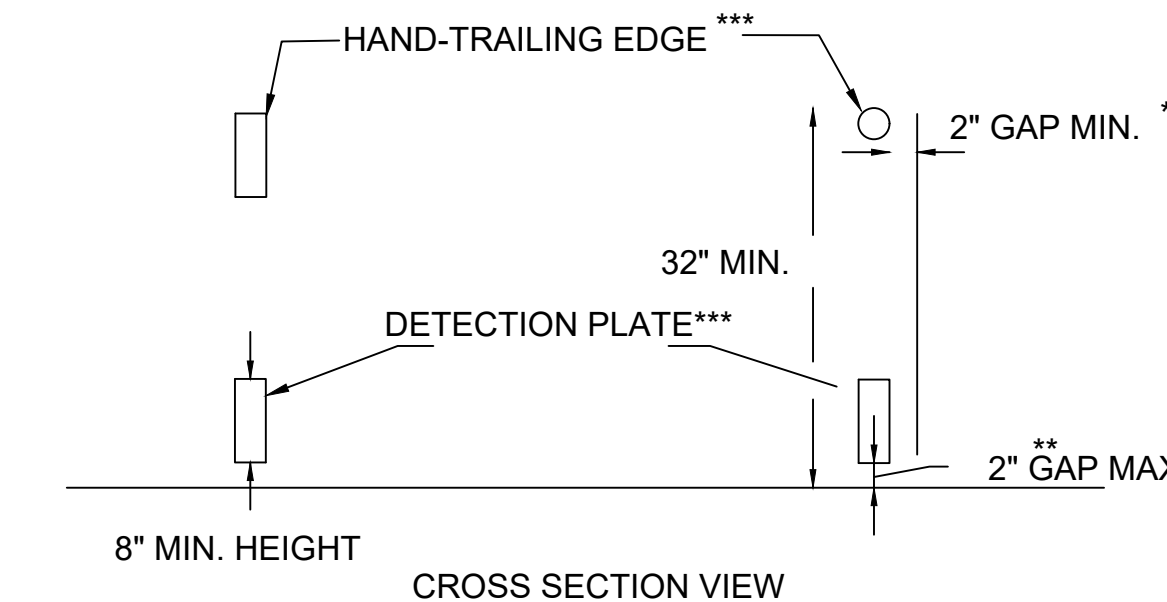


\* -LANDING AREA USED TO OVERLAP NON-ADA COMPLIANT SURFACES.

\*\* -DETECTABLE EDGE REMOVED IF A CONTINUOUS SIDEWALK.

\*\*\*-60 IN. IF AN OBSTRUCTION IS AT BACK OF SIDEWALK

**TEMPORARY CURB RAMP-TYPE 2**



**CROSS SECTION VIEW**

**NOTES:**

\* THERE SHALL BE A 2 INCH GAP BETWEEN THE HAND-TRAILING EDGE AND ITS SUPPORT.

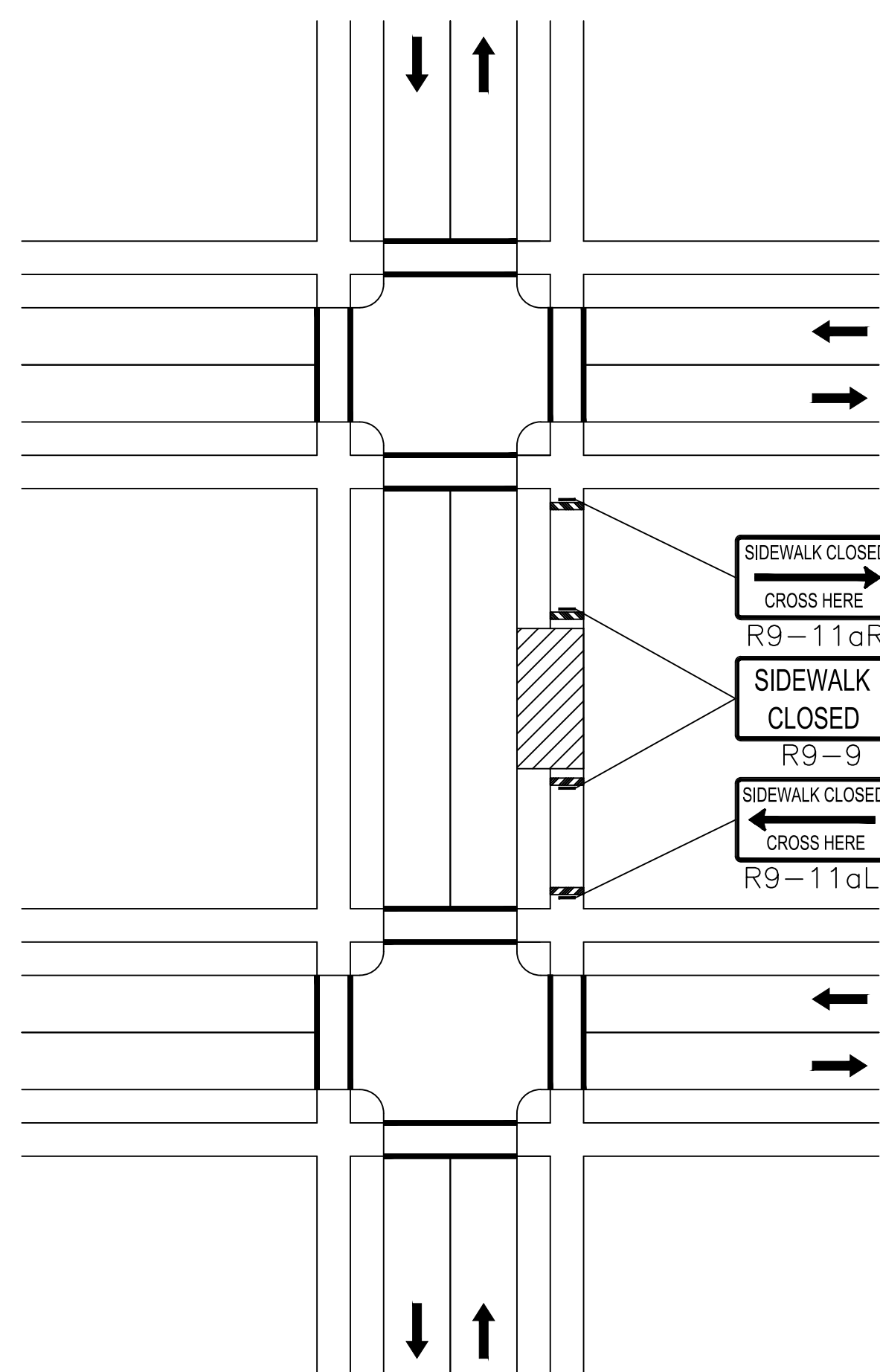
\*\* A MAXIMUM 2 INCH GAP BETWEEN THE BOTTOM OF THE BOTTOM RAIL AND THE SURFACE MAY BE USED TO PROVIDE DRAINAGE.

\*\*\* THE HAND-TRAILING EDGE AND DETECTION PLATE SHALL BE CONTINUOUS THROUGHOUT THE LENGTH OF THE PATH SUCH THAT A PEDESTRIAN USER WITH A LONG CANE CAN FOLLOW IT.

**PEDESTRIAN CHANNELIZING DEVICE**

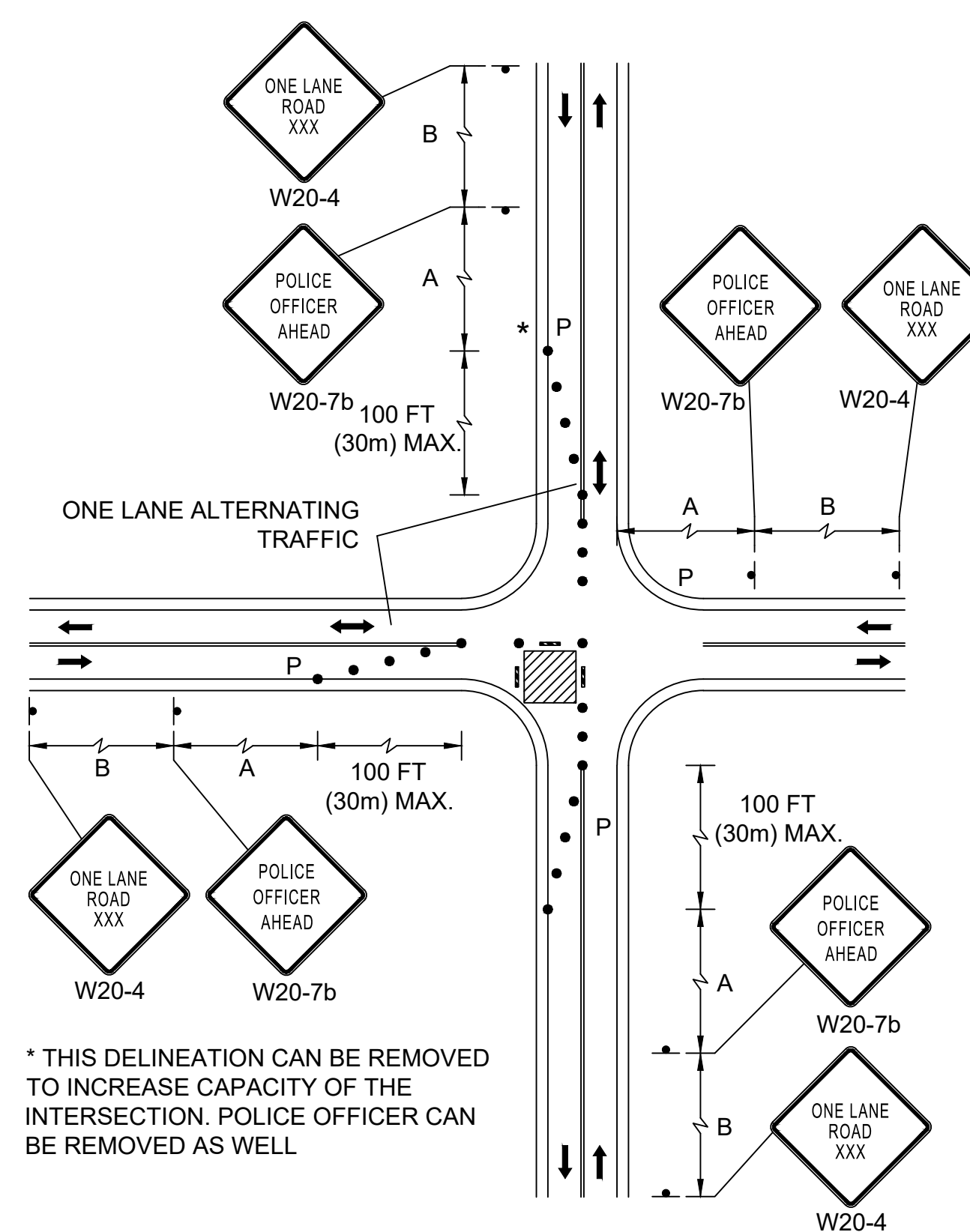
**TYPICAL PEDESTRIAN DEVICE NOTES:**

- CURB RAMPS SHALL BE 60 IN. MINIMUM WIDTH WITH A FIRM, STABLE AND NON-SLIP SURFACE.
- PROTECTIVE EDGING WITH A 2 IN. MINIMUM HEIGHT SHALL BE INSTALLED WHEN THE CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6 IN. OR GREATER OR HAS A SIDE APRON SLOP STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN THE CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3 IN. OR MORE.
- DETECTABLE EDGING WITH 6 IN. MINIMUM HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- THE CURB RAMP WALKWAY AND LANDING AREA SURFACE SHALL BE OF A SOLID CONTINUOUS CONTRASTING COLOR ABUTTING UP TO THE EXISTING SIDEWALK.
- CURB RAMPS AND LANDINGS SHOULD HAVE A 1:50 (2%) MAX CROSS-SLOPE.
- CLEAR SPACE OF 48x48 IN. MINIMUM SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- WATER FLOW IN THE GUTTER SYSTEM SHALL HAVE MINIMAL RESTRICTION.
- LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 0.5 IN. WIDTH.
- CHANGES BETWEEN SURFACE HEIGHTS SHOULD NOT EXCEED 0.5 IN. LATERAL EDGES SHOULD BE VERTICAL UP TO 0.25 IN. HIGH, AND BEVELED AT 1:2 BETWEEN 0.25 IN. AND 0.5 IN. HEIGHT.
- IF A TEMPORARY PEDESTRIAN RAMP LEADS TO A CROSSWALK, THEN A DETECTABLE WARNING PAD MUST BE ADHERED TO THE BASE OF THE RAMP. IF IT LEADS TO A PROTECTED PEDESTRIAN BYPASS THAT DOES NOT CONFLICT WITH VEHICULAR TRAFFIC, THEN A PAD SHALL NOT BE INSTALLED ON THE RAMP.



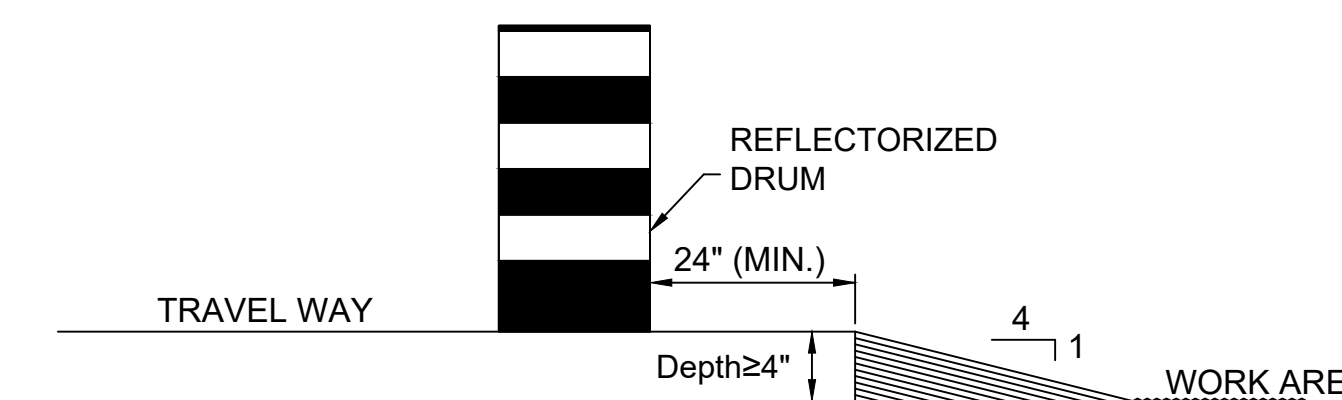
NOTE: IF A MINIMUM WIDTH OF 48" OF SOLID SMOOTH UNOBSTRUCTED SURFACE REMAINS ALONG THE WORK AREA THEN THE DETAIL CAN BE DISREGARDED. DELINEATION OF THE WORK AREA WILL STILL BE REQUIRED. ALL PEDESTRIAN DETOUR ROUTES SHALL BE ADA/MAAB COMPLIANT IN THEIR ENTIRETY.

**SIDEWALK CLOSED  
WITHOUT DETOUR**

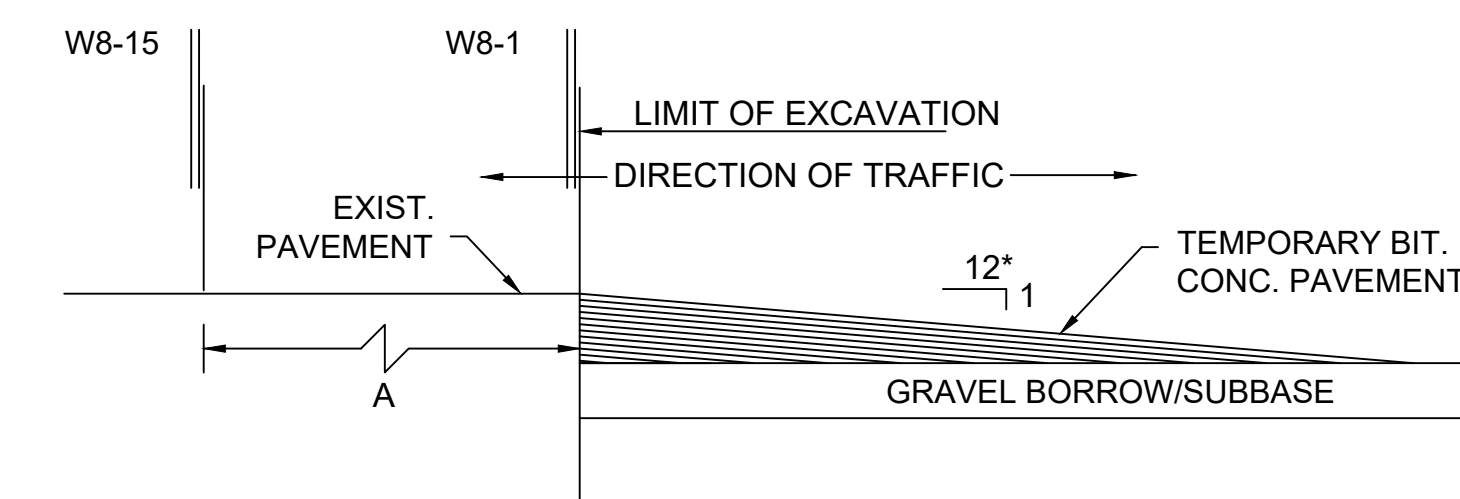


\* THIS DELINEATION CAN BE REMOVED TO INCREASE CAPACITY OF THE INTERSECTION. POLICE OFFICER CAN BE REMOVED AS WELL

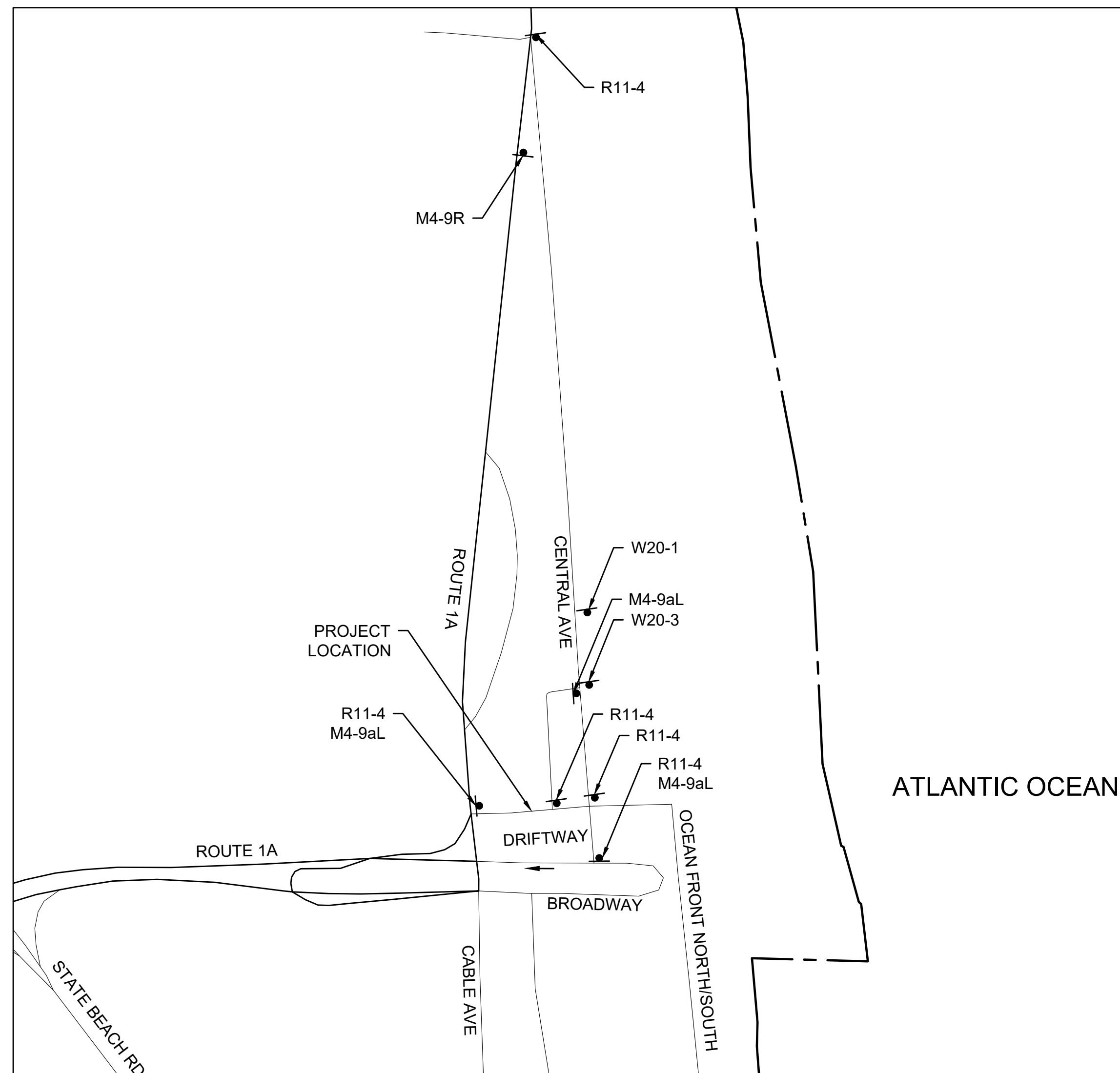
**SINGLE LANE APPROACH  
ONE QUADRANT CLOSURE**



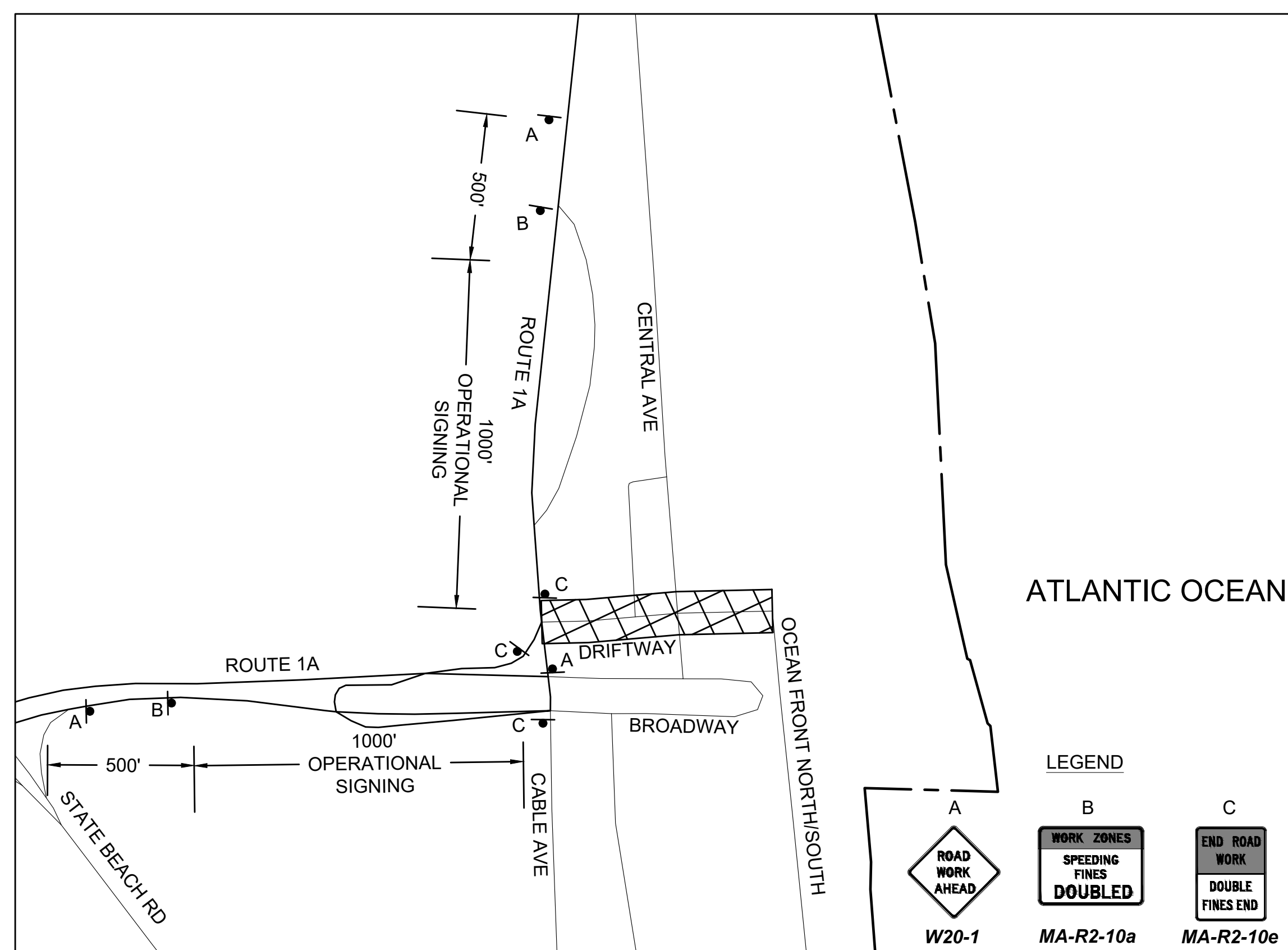
**LATERAL DROP-OFF DETAIL  
NOT TO SCALE**



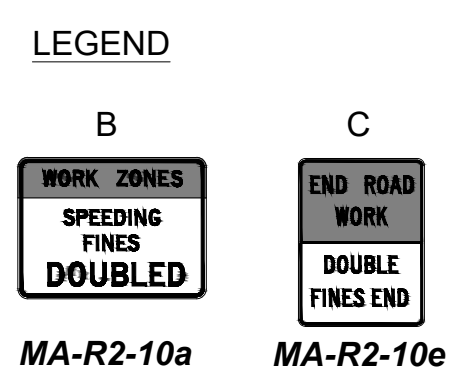
**LONGITUDINAL DROP-OFF DETAIL  
NOT TO SCALE  
\* - INCREASE SLOPE RATIO  
FOR HIGHER SPEEDS**



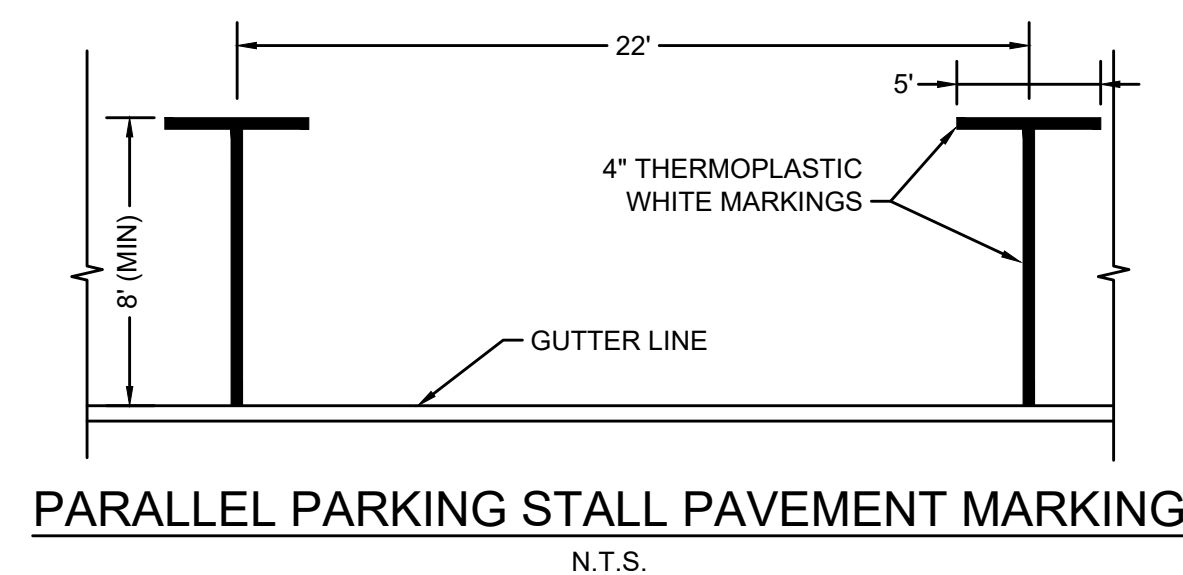
TEMPORARY ROAD CLOSURE SIGNING PLAN  
SCALE: 1" = 250'



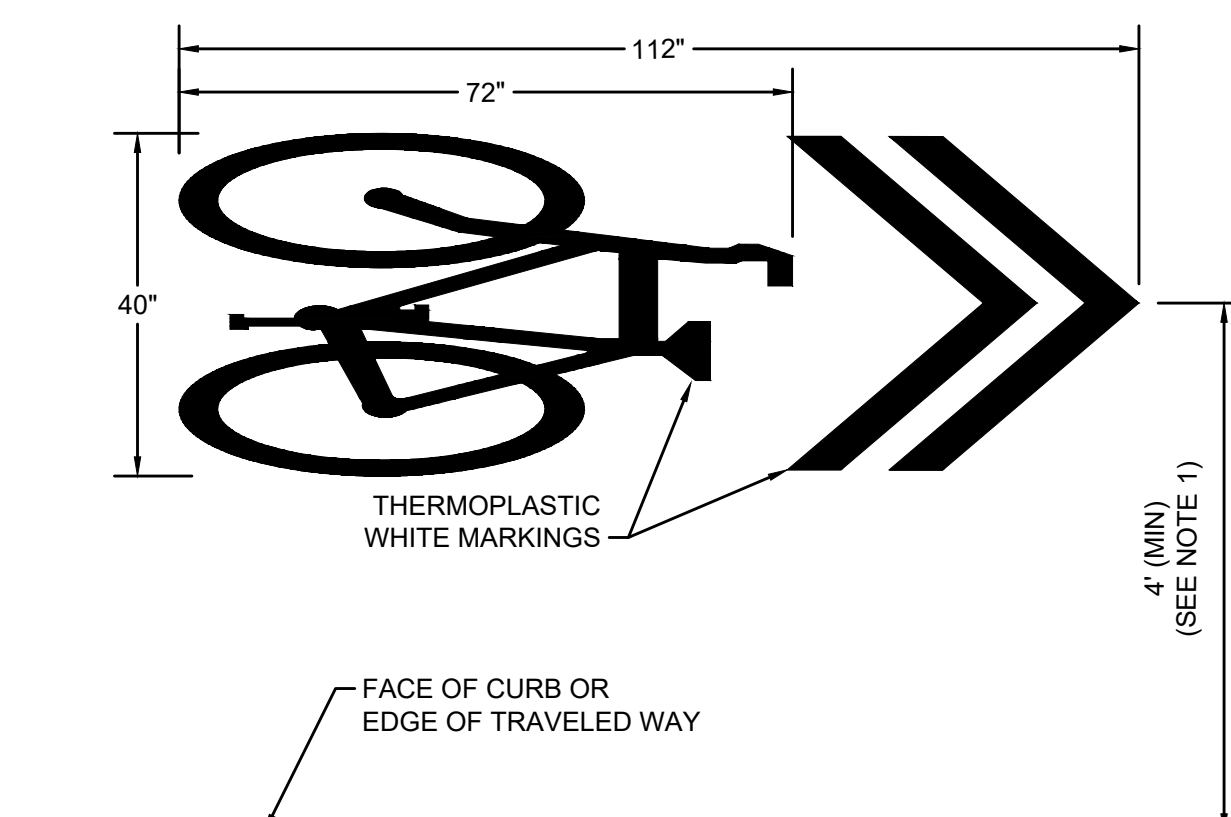
ADVANCED SIGNING SCHEMATIC  
N.T.S.



| IDENTIFICATION NUMBER | SIZE OF SIGN (in) |        | LEGEND  | TEXT DIMENSIONS (in) |   |                | NUMBER OF SIGNS REQUIRED | COLOR       |        |            | UNIT AREA (SF) | TOTAL AREA (SF) |
|-----------------------|-------------------|--------|---|----------------------|---|----------------|--------------------------|-------------|--------|------------|----------------|-----------------|
|                       | WIDTH             | HEIGHT |   | LETTER HEIGHT        | VERTICAL SPACING  | ARROW RTE. MKR |                          | BACK-GROUND | LEGEND | BORDER     |                |                 |
|                       | M4-9R             | 48     |   | 36                   | SEE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS |                |                          |             | 1      | FL. ORANGE |                |                 |
| M4-9aL                | 48                | 36     | SEE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS |                      |   | 3              | FL. ORANGE               | BLACK       | BLACK  | 12.00      | 36.00          |                 |
| MA-R2-10a             | 48                | 36     | MASSDOT STANDARD SIGN   |                      |   | 2              | FL. ORANGE               | BLACK       | BLACK  | 12.00      | 24.00          |                 |
| MA-R2-10e             | 36                | 48     | MASSDOT STANDARD SIGN   |                      |   | 3              | FL. ORANGE               | BLACK       | BLACK  | 12.00      | 36.00          |                 |
| R9-9                  | 36                | 18     | SEE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS |                      |   | 2              | WHITE                    | BLACK       | BLACK  | 4.50       | 9.00           |                 |
| R9-11aL               | 24                | 12     |   |                      |   | 1              | WHITE                    | BLACK       | BLACK  | 2.00       | 2.00           |                 |
| R9-11aR               | 24                | 12     |   |                      |   | 1              | WHITE                    | BLACK       | BLACK  | 2.00       | 2.00           |                 |
| R11-4                 | 60                | 30     |   |                      |   | 5              | WHITE                    | BLACK       | BLACK  | 12.50      | 62.50          |                 |
| W8-1                  | 36                | 36     |   |                      |   | 3              | FL. ORANGE               | BLACK       | BLACK  | 9.00       | 27.00          |                 |
| W8-15                 | 36                | 36     |   |                      |   | 3              | FL. ORANGE               | BLACK       | BLACK  | 9.00       | 27.00          |                 |
| W20-1                 | 36                | 36     |   |                      |   | 4              | FL. ORANGE               | BLACK       | BLACK  | 9.00       | 36.00          |                 |
| W20-3                 | 36                | 36     |   |                      |   | 1              | FL. ORANGE               | BLACK       | BLACK  | 9.00       | 9.00           |                 |
| W20-4                 | 36                | 36     |   |                      |   | 4              | FL. ORANGE               | BLACK       | BLACK  | 9.00       | 36.00          |                 |
| W20-7b                | 36                | 36     |   |                      |   | 4              | FL. ORANGE               | BLACK       | BLACK  | 9.00       | 36.00          |                 |

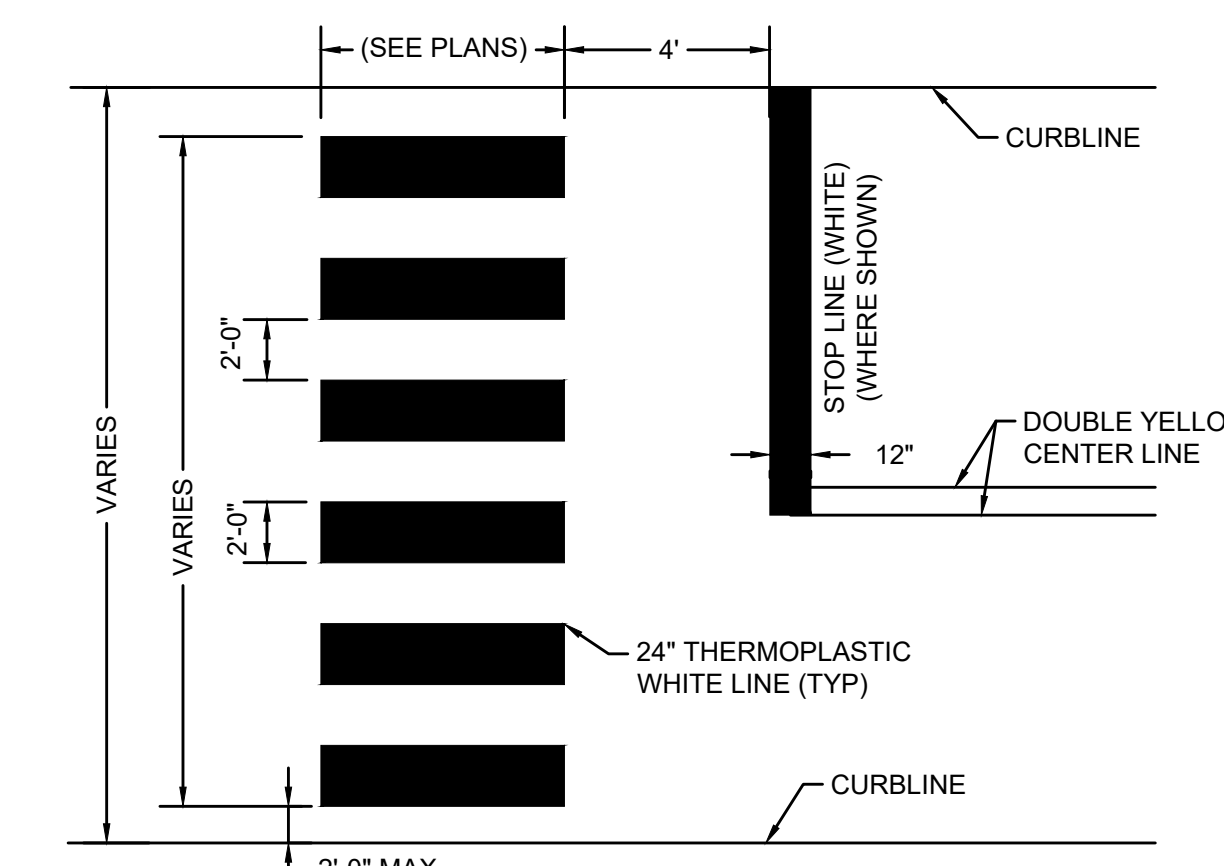


**PARALLEL PARKING STALL PAVEMENT MARKING**  
N.T.S.



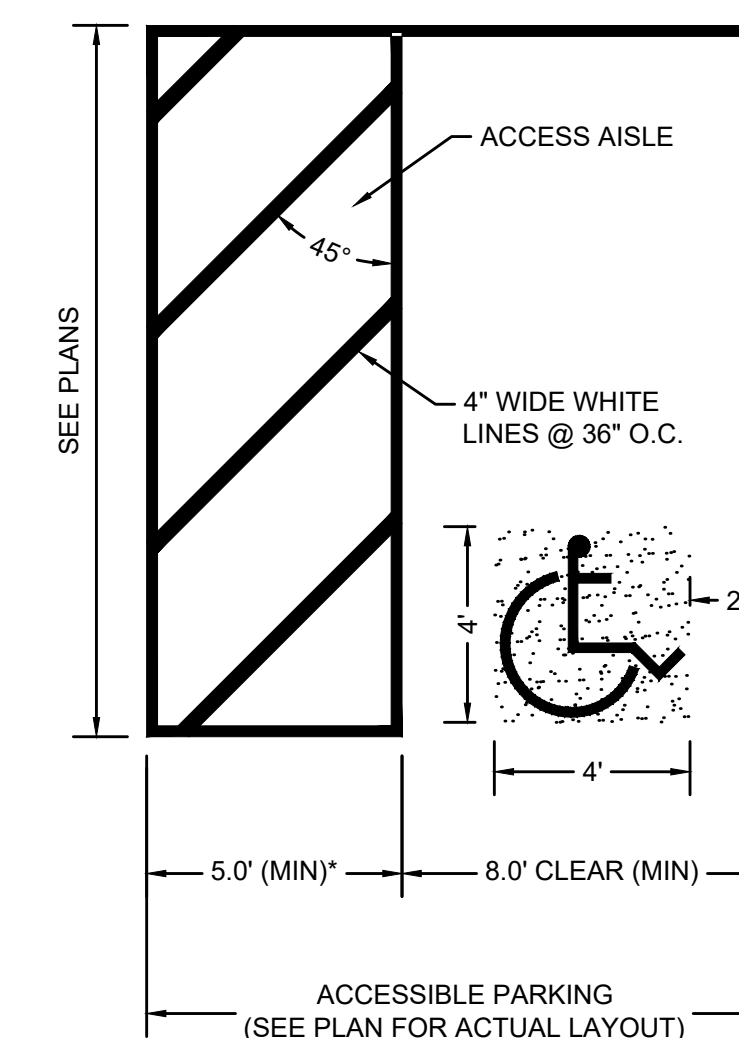
- NOTES:**
- 11' (MIN) ADJACENT TO ON-STREET PARALLEL PARKING.
  - SHARED LANE PAVEMENT MARKING SHALL BE PLACED IMMEDIATELY AFTER AN INTERSECTION AND SPACED AT INTERVALS NOT GREATER THAN 250 FEET THEREAFTER.

**SHARED LANE PAVEMENT MARKING**  
N.T.S.



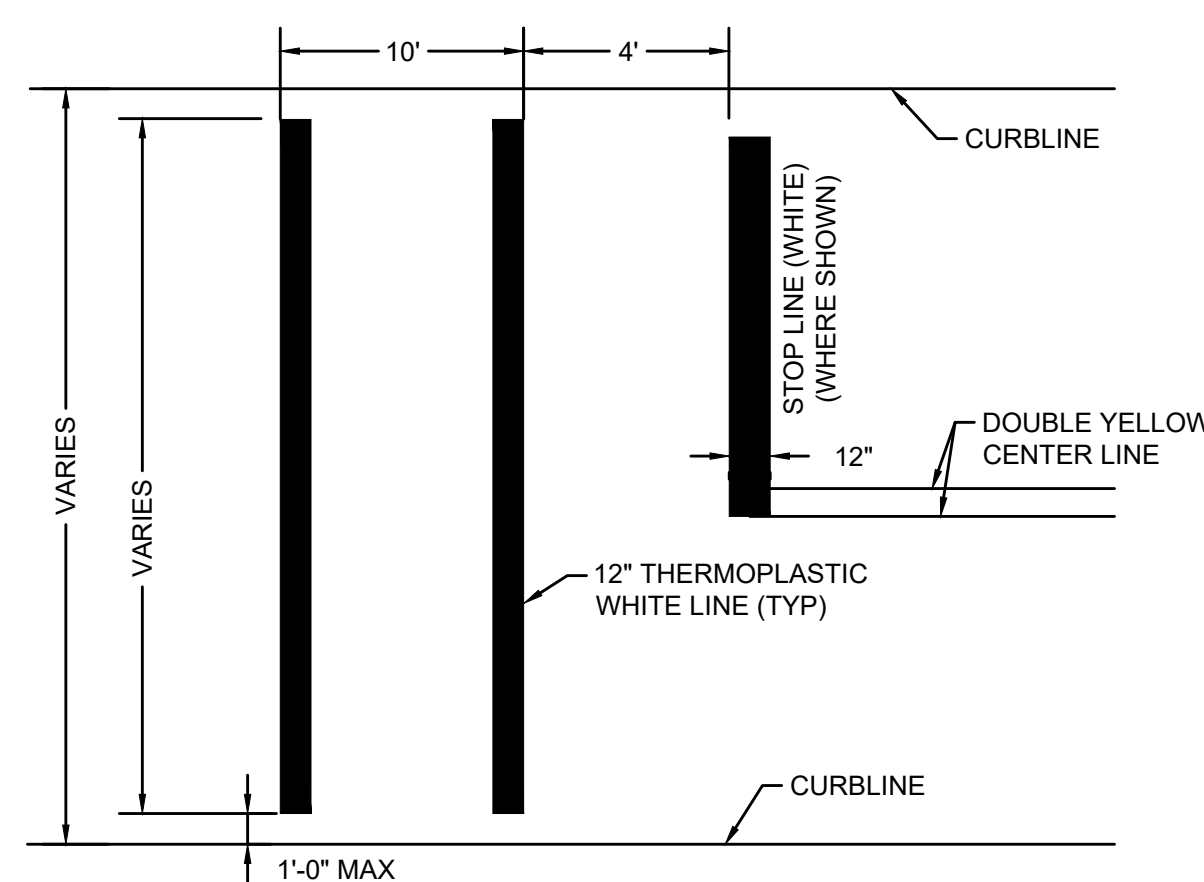
- NOTES:**
- ALL 12" LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED. ALL 24" LINES MAY BE EITHER ONE 24" LINE OR A COMBINATION OF TWO - 12" LINES.
  - LAYOUT OF CROSSWALKS SHALL BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION.
  - CROSSWALK BARS SHALL BE PLACED OUTSIDE THE VEHICULAR WHEEL PATH WHEREVER POSSIBLE.

**CROSSWALK PAVEMENT MARKING**  
N.T.S.



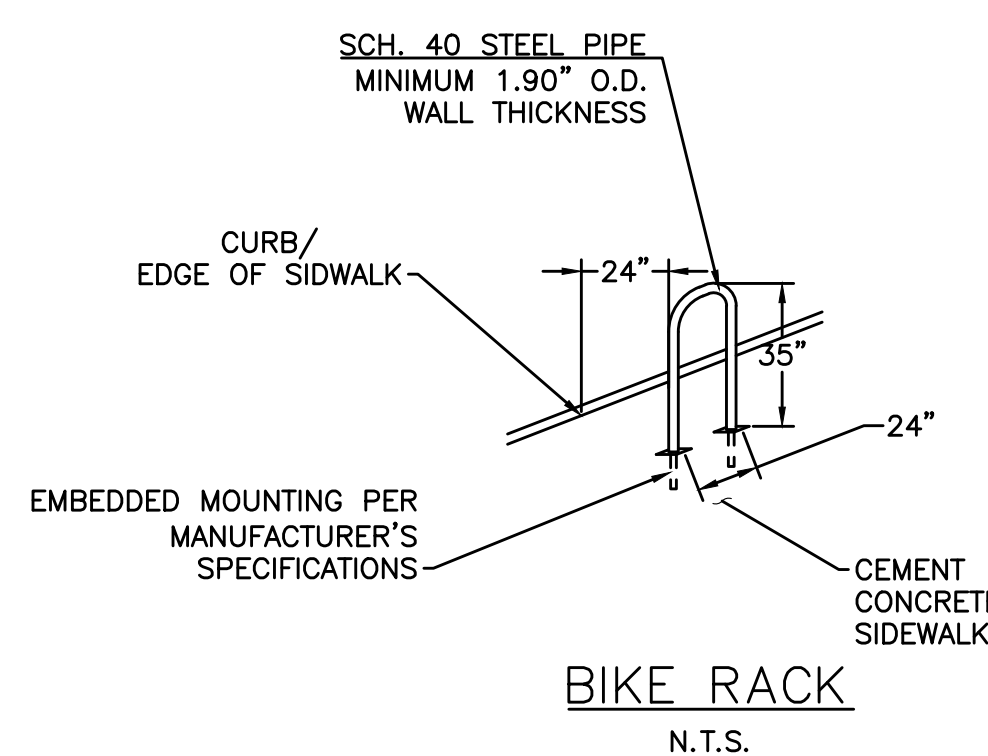
- NOTES:**
- ALL DIMENSIONS TO EDGE OF 4" PAVEMENT STRIPING.
  - ALL STRIPING SHALL BE 4" WIDE SOLID WHITE PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
  - 8' CLEAR WIDTH REFERS TO 8' BETWEEN INSIDE EDGES OF PAVEMENT MARKINGS.
  - SYMBOL SHALL BE CENTERED WITHIN PARKING STALL

**ACCESSIBLE PARKING SPACE**  
N.T.S.

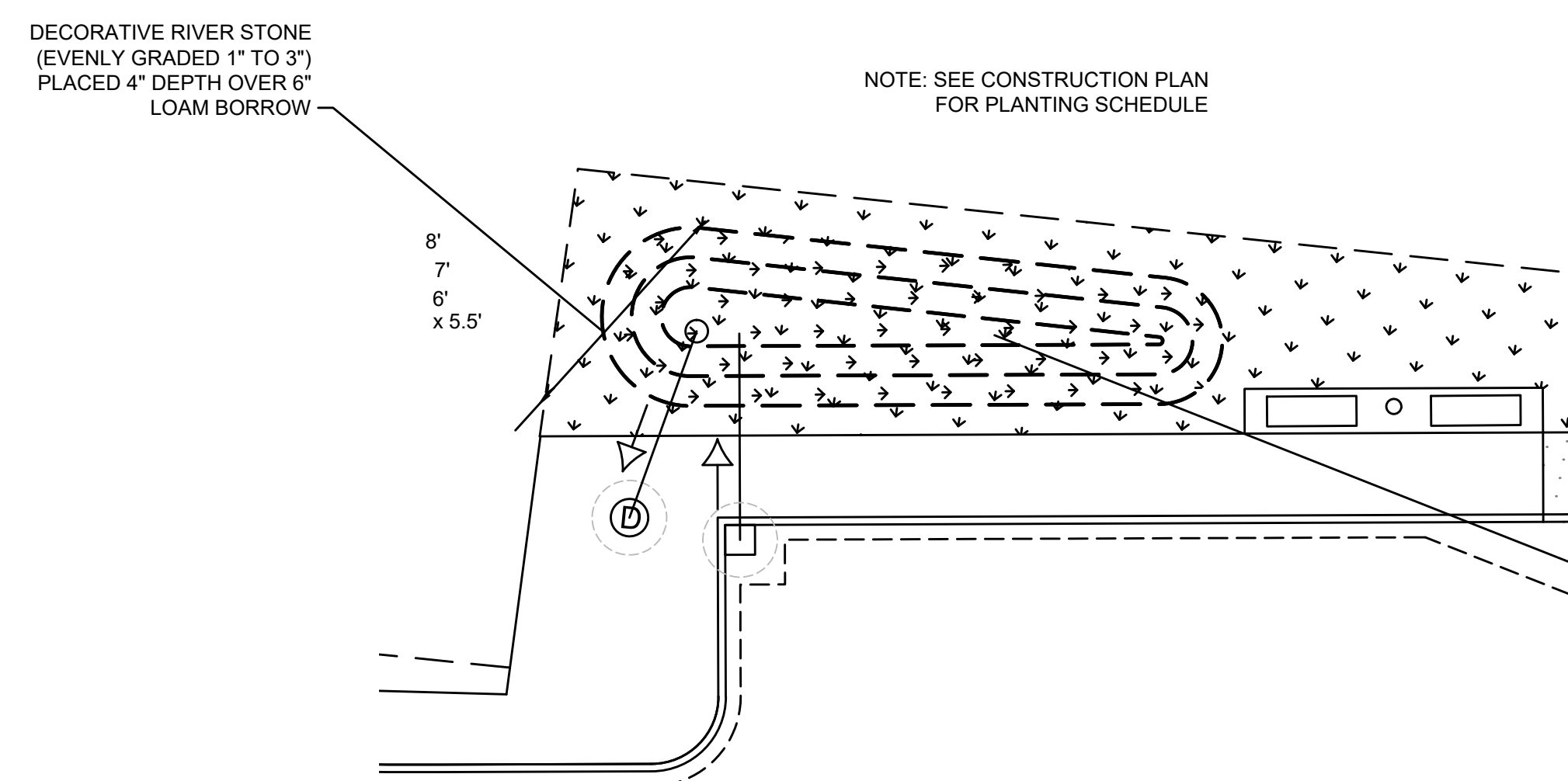


- NOTES:**
- ALL 12" LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
  - LAYOUT OF CROSSWALKS SHALL BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION.

**CROSSWALK PAVEMENT MARKING**  
N.T.S.



**BIKE RACK**  
N.T.S.



**RAIN GARDEN**  
N.T.S.





Addendum 1 - Attachment 3  
Order of Conditions

**Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

**WPA Form 5 - Order of Conditions**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:065-1203

eDEP Transaction #:1214024

City/Town:SALISBURY

**A. General Information**

1. Conservation Commission SALISBURY
2. Issuance a.  OOC b.  Amended OOC
3. Applicant Details
- a. First Name NEIL b. Last Name HARRINGTON
- c. Organization TOWN OF SALISBURY
- d. Mailing Address 5 BEACH ROAD
- e. City/Town SALISBURY f. State MA g. Zip Code 01952
4. Property Owner
- a. First Name b. Last Name
- c. Organization TOWN OF SALISBURY
- d. Mailing Address 5 BEACH ROAD
- e. City/Town SALISBURY f. State MA g. Zip Code 01952
5. Project Location
- a. Street Address DRIFTWAY
- b. City/Town SALISBURY c. Zip Code 01952
- d. Assessors Map/Plat# 33 e. Parcel/Lot# ROADWAY
- f. Latitude 42.84298N g. Longitude 70.81738W
6. Property recorded at the Registry of Deed for:
- | a. County      | b. Certificate     | c. Book | d. Page |
|----------------|--------------------|---------|---------|
| SOUTHERN ESSEX | N/A PUBLIC ROADWAY |         |         |
7. Dates
- a. Date NOI Filed : 6/23/2020 b. Date Public Hearing Closed: 7/15/2020 c. Date Of Issuance: 8/6/2020

**8. Final Approved Plans and Other Documents**

| a. Plan Title:   | b. Plan Prepared by:           | c. Plan Signed/Stamped by: | d. Revised Final Date: | e. Scale: |
|--|--------------------------------|----------------------------|------------------------|-----------|
| COMPLETE<br>STREETS<br>IMPROVEMENT<br>PROJECT PLAN<br>AND PROFILE OF<br>DRIFTWAY IN THE<br>TOWN OF<br>SALISBURY<br>ESSEX COUNTY<br>NOI PLANS | TEC THE<br>ENGINEERING<br>CORP | JAKE P. CARMODY            | 6/16/2020              | AS NOTED  |

**B. Findings**

1. Findings pursuant to the Massachusetts Wetlands Protection Act

Following the review of the the above-referenced Notice of Intent and based on the information provided in this

**Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

**WPA Form 5 - Order of Conditions**

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City/Town:SALISBURY

application and presented at the public hearing, this Commission finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act.

Check all that apply:

|   |  |   |
|---|--|---|
| a. <input checked="" type="checkbox"/> Public Water Supply  | b. <input checked="" type="checkbox"/> Land Containing Shellfish | c. <input checked="" type="checkbox"/> Prevention of Pollution        |
| d. <input checked="" type="checkbox"/> Private Water Supply | e. <input checked="" type="checkbox"/> Fisheries                 | f. <input checked="" type="checkbox"/> Protection of Wildlife Habitat |
| g. <input checked="" type="checkbox"/> Ground Water Supply  | h. <input checked="" type="checkbox"/> Storm Damage Prevention   | i. <input checked="" type="checkbox"/> Flood Control                  |

2. Commission hereby finds the project, as proposed, is:

**Approved** subject to:

- a.  The following conditions which are necessary in accordance with the performance standards set forth in the wetlands regulations. This Commission orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.

**Denied** because:

- b.  The proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect interests of the Act, and a final Order of Conditions is issued. **A description of the performance standards which the proposed work cannot meet is attached to this Order.**
- c.  The information submitted by the applicant is not sufficient to describe the site, the work or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the interests of the Act, and a final Order of Conditions is issued. **A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).**

- 3.  Buffer Zone Impacts: Shortest distance between limit of project disturbance and the wetland resource area specified in 310CMR10.02(1)(a).                       
a. linear feet

**Inland Resource Area Impacts:(For Approvals Only):**

| Resource Area  | Proposed Alteration                           | Permitted Alteration                          | Proposed Replacement                          | Permitted Replacement                         |
|--|---|---|---|---|
| 4. <input type="checkbox"/> Bank                                 | <u>                    </u><br>a. linear feet | <u>                    </u><br>b. linear feet | <u>                    </u><br>c. linear feet | <u>                    </u><br>d. linear feet |
| 5. <input type="checkbox"/> Bordering Vegetated Wetland          | <u>                    </u><br>a. square feet | <u>                    </u><br>b. square feet | <u>                    </u><br>c. square feet | <u>                    </u><br>d. square feet |
| 6. <input type="checkbox"/> Land under Waterbodies and Waterways | <u>                    </u><br>a. square feet | <u>                    </u><br>b. square feet | <u>                    </u><br>c. square feet | <u>                    </u><br>d. square feet |
|  | <u>                    </u><br>e. c/y dredged | <u>                    </u><br>f. c/y dredged |   |   |
| 7. <input type="checkbox"/> Bordering Land Subject to Flooding   | <u>                    </u>                   | <u>                    </u>                   | <u>                    </u>                   | <u>                    </u>                   |

**Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

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City/Town:SALISBURY

|   |                             |                             |                             |                             |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|   | a. square feet              | b. square feet              | c. square feet              | d. square feet              |
| Cubic Feet Flood Storage                                      | <u>                    </u> | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|   | e. cubic feet               | f. cubic feet               | g. cubic feet               | h. cubic feet               |
| 8. <input type="checkbox"/> Isolated Land Subject to Flooding | <u>                    </u> | <u>                    </u> | <u>                    </u> | <u>                    </u> |
| Cubic Feet Flood Storage                                      | a. square feet              | b. square feet              |                             |                             |
|   | <u>                    </u> | <u>                    </u> |                             |                             |
|   | c. cubic feet               | d. cubic feet               | e. cubic feet               | f. cubic feet               |
| 9. <input type="checkbox"/> Riverfront Area                   | <u>                    </u> | <u>                    </u> | <u>                    </u> | <u>                    </u> |
| Sq ft within 100 ft   | a. total sq. feet           | b. total sq. feet           |                             |                             |
|   | <u>                    </u> | <u>                    </u> |                             |                             |
|   | c. square feet              | d. square feet              | e. square feet              | f. square feet              |
| Sq ft between 100-200 ft                                      | <u>                    </u> | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|   | g. square feet              | h. square feet              | i. square feet              | j. square feet              |

**Coastal Resource Area Impacts:**

| Resource Area   | Proposed Alteration  | Permitted Alteration        | Proposed Replacement        | Permitted Replacement       |
|---|--|-----------------------------|-----------------------------|-----------------------------|
| 10. <input type="checkbox"/> Designated Port Areas      | Indicate size under Land Under the Ocean, below                |                             |                             |                             |
| 11. <input type="checkbox"/> Land Under the Ocean       | <u>                    </u>                                    | <u>                    </u> |                             |                             |
|   | a. square feet   | b. square feet              |                             |                             |
|   | <u>                    </u>                                    | <u>                    </u> |                             |                             |
|   | c. c/y dredged   | d. c/y dredged              |                             |                             |
| 12. <input type="checkbox"/> Barrier Beaches            | Indicate size under Coastal Beaches and/or Coastal Dunes below |                             |                             |                             |
| 13. <input checked="" type="checkbox"/> Coastal Beaches | <u>37000</u>   | <u>37000</u>                | <u>0</u>                    | <u>0</u>                    |
|   | a. square feet   | b. square feet              | c. c/y nourishment          | d. c/y nourishment          |
| 14. <input type="checkbox"/> Coastal Dunes              | <u>                    </u>                                    | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|   | a. square feet   | b. square feet              | c. c/y nourishment          | d. c/y nourishment          |
| 15. <input type="checkbox"/> Coastal Banks              | <u>                    </u>                                    | <u>                    </u> |                             |                             |
|   | a. linear feet   | b. linear feet              |                             |                             |
| 16. <input type="checkbox"/> Rocky Intertidal Shores    | <u>                    </u>                                    | <u>                    </u> |                             |                             |
|   | a. square feet   | b. square feet              |                             |                             |
| 17. <input type="checkbox"/> Salt Marshes               | <u>                    </u>                                    | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|   | a. square feet   | b. square feet              | c. square feet              | d. square feet              |
| 18. <input type="checkbox"/> Land Under Salt Ponds      | <u>                    </u>                                    | <u>                    </u> |                             |                             |
|   | a. square feet   | b. square feet              |                             |                             |
|   | <u>                    </u>                                    | <u>                    </u> |                             |                             |
|   | c. c/y dredged   | d. c/y dredged              |                             |                             |
| 19. <input type="checkbox"/> Land Containing Shellfish  | <u>                    </u>                                    | <u>                    </u> | <u>                    </u> | <u>                    </u> |
|   | a. square feet   | b. square feet              | c. square feet              | d. square feet              |



**Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

**WPA Form 5 - Order of Conditions**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File #:065-1203

eDEP Transaction #:1214024

City/Town:SALISBURY

9. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work..
10. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words,  

" Massachusetts Department of Environmental Protection"  
[or "MassDEP"]  
File Number : "065-1203"
11. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before Mass DEP.
12. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
13. The work shall conform to the plans and special conditions referenced in this order.
14. Any change to the plans identified in Condition #13 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
15. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
16. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.
17. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.
18. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.

**NOTICE OF STORMWATER CONTROL AND MAINTENANCE REQUIREMENTS**

19. The work associated with this Order(the "Project") is (1)  is not (2)  subject to the Massachusetts Stormwater Standards. If the work is subject to Stormwater Standards, then the project is subject to the following conditions;
  - a) All work, including site preparation, land disturbance, construction and redevelopment, shall be implemented in accordance with the construction period pollution prevention and erosion and sedimentation control plan and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollutant Discharge Elimination System Construction General Permit as required by Stormwater Standard 8. Construction period

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erosion, sedimentation and pollution control measures and best management practices (BMPs) shall remain in place until the site is fully stabilized.

- b) No stormwater runoff may be discharged to the post-construction stormwater BMPs unless and until a Registered Professional Engineer provides a Certification that: *i.* all construction period BMPs have been removed or will be removed by a date certain specified in the Certification. For any construction period BMPs intended to be converted to post construction operation for stormwater attenuation, recharge, and/or treatment, the conversion is allowed by the MassDEP Stormwater Handbook BMP specifications and that the BMP has been properly cleaned or prepared for post construction operation, including removal of all construction period sediment trapped in inlet and outlet control structures; *ii.* as-built final construction BMP plans are included, signed and stamped by a Registered Professional Engineer, certifying the site is fully stabilized; *iii.* any illicit discharges to the stormwater management system have been removed, as per the requirements of Stormwater Standard 10; *iv.* all post-construction stormwater BMPs are installed in accordance with the plans (including all planting plans) approved by the issuing authority, and have been inspected to ensure that they are not damaged and that they are in proper working condition; *v.* any vegetation associated with post-construction BMPs is suitably established to withstand erosion.
- c) The landowner is responsible for BMP maintenance until the issuing authority is notified that another party has legally assumed responsibility for BMP maintenance. Prior to requesting a Certificate of Compliance, or Partial Certificate of Compliance, the responsible party (defined in General Condition 19(e)) shall execute and submit to the issuing authority an Operation and Maintenance Compliance Statement ("O&M Statement") for the Stormwater BMPs identifying the party responsible for implementing the stormwater BMP Operation and Maintenance Plan ("O&M Plan") and certifying the following: *i.*) the O&M Plan is complete and will be implemented upon receipt of the Certificate of Compliance, and *ii.*) the future responsible parties shall be notified in writing of their ongoing legal responsibility to operate and maintain the stormwater management BMPs and implement the Stormwater Pollution Prevention Plan.
- d) Post-construction pollution prevention and source control shall be implemented in accordance with the long-term pollution prevention plan section of the approved Stormwater Report and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollutant Discharge Elimination System Multi-Sector General Permit.
- e) Unless and until another party accepts responsibility, the landowner, or owner of any drainage easement, assumes responsibility for maintaining each BMP. To overcome this presumption, the landowner of the property must submit to the issuing authority a legally binding agreement of record, acceptable to the issuing authority, evidencing that another entity has accepted responsibility for maintaining the BMP, and that the proposed responsible party shall be treated as a permittee for purposes of implementing the requirements of Conditions 19(f) through 19(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 19(f) through 19(k) with respect to that BMP shall be a violation of the Order of Conditions or Certificate of Compliance. In the case of stormwater BMPs that are serving more than one lot, the legally binding agreement shall also identify the lots that will be serviced by the stormwater BMPs. A plan and easement deed that grants the responsible party access to perform the required operation and maintenance must be submitted along with the legally binding agreement.
- f) The responsible party shall operate and maintain all stormwater BMPs in accordance with the design plans, the O&M Plan, and the requirements of the Massachusetts Stormwater Handbook.
- g) The responsible party shall:
  - 1. Maintain an operation and maintenance log for the last three (3) consecutive calendar years of inspections, repairs, maintenance and/or replacement of the stormwater management system or any part thereof, and disposal (for disposal the log shall indicate the type of material and the disposal location);
  - 2. Make the maintenance log available to MassDEP and the Conservation Commission ("Commission")

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upon request; and

3. Allow members and agents of the MassDEP and the Commission to enter and inspect the site to evaluate and ensure that the responsible party is in compliance with the requirements for each BMP established in the O&M Plan approved by the issuing authority.

- h) All sediment or other contaminants removed from stormwater BMPs shall be disposed of in accordance with all applicable federal, state, and local laws and regulations.
- i) Illicit discharges to the stormwater management system as defined in 310 CMR 10.04 are prohibited.
- j) The stormwater management system approved in the Order of Conditions shall not be changed without the prior written approval of the issuing authority.
- k) Areas designated as qualifying pervious areas for the purpose of the Low Impact Site Design Credit (as defined in the MassDEP Stormwater Handbook, Volume 3, Chapter 1, Low Impact Development Site Design Credits) shall not be altered without the prior written approval of the issuing authority.
- l) Access for maintenance, repair, and/or replacement of BMPs shall not be withheld. Any fencing constructed around stormwater BMPs shall include access gates and shall be at least six inches above grade to allow for wildlife passage.

**Special Conditions:**

SEE ATTACHED.



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**D. Findings Under Municipal Wetlands Bylaw or Ordinance**

1. Is a municipal wetlands bylaw or ordinance applicable?  Yes  No

2. The Conservation Commission hereby (check one that applies):

a.  DENIES the proposed work which cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw specifically:

1. Municipal Ordinance or Bylaw \_\_\_\_\_

2. Citation \_\_\_\_\_

Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order or Conditions is issued. Which are necessary to comply with a municipal ordinance or bylaw:

b.  APPROVES the proposed work, subject to the following additional conditions.

1. Municipal Ordinance or Bylaw \_\_\_\_\_

2. Citation \_\_\_\_\_

3. The Commission orders that all work shall be performed in accordance with the following conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, the conditions shall control.

The special conditions relating to municipal ordinance or bylaw are as follows:



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1214024  
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 Salisbury  
 City/Town

**E. Signatures**

**Driftway**

This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

8/6/2020  
 1. Date of Issuance

Please indicate the number of members who will sign this form. This Order must be signed by a majority of the Conservation Commission.

3  
 2. Number of Signers

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy must be mailed, hand delivered or filed electronically at the same time with the appropriate MassDEP Regional Office.

Signatures: \_\_\_\_\_

CST 7/15/20  
 \_\_\_\_\_  
Julie Douglas Johnson 7-20-2020  
 \_\_\_\_\_  
Steve H... 7/15/2020  
 \_\_\_\_\_

by hand delivery on

by certified mail, return receipt requested, on

8/6/2020  
 Date

\_\_\_\_\_  
 Date

**F. Appeals**

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate MassDEP Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request of Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order associated with this appeal will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order, or providing written information to the Department prior to issuance of a Superseding Order.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40), and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.

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(M.G.L. c. 131, § 40), and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.

**G. Recording Information**

This Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

SALISBURY

Conservation Commission

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Conservation Commission.

To:

SALISBURY

Conservation Commission

Please be advised that the Order of Conditions for the Project at:

DRIFTWAY

Project Location

065-1203

MassDEP File Number

Has been recorded at the Registry of Deeds of:

County

Book

Page

for:

Property Owner

and has been noted in the chain of title of the affected property in:

Book

Page

In accordance with the Order of Conditions issued on:

Date

If recorded land, the instrument number identifying this transaction is:

Instrument Number

If registered land, the document number identifying this transaction is:

Document Number

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Signature of Applicant

Rev. 4/1/2010

Salisbury Conservation Commission  
Special Conditions

Applicant: Town of Salisbury

Project Address: Driftway Roadway Improvements

DEP File #: 065-1203

20. The Conservation Commission (Commission) shall be notified in writing at the time of any transfer in the title to the property or any change in contractor/developers prior to the issuance of the Certificate of Compliance. The name, address and telephone number of the new owner shall be included in the notification, as well as certification that the new owner has been provided with a copy of this Order of Conditions.

**Pre-Construction Conditions**

Prior to the commencement of construction, the applicant shall:

21. Arrange for a pre-construction meeting with the Conservation Commission or its designated representative(s) no less than 72 hours prior to the commencement of construction. Commencement of construction includes any site clearing or grading. The purpose of this meeting is to inspect the erosion controls and to review all conditions of this Order of Conditions with the applicant, contractor and sub-contractors as appropriate to ensure they are understood.
22. Provide to the Commission the name, address and telephone number of the person immediately responsible for supervision of all work, and maintaining compliance with this Order of Conditions. This person shall serve as project manager until a Certificate of Compliance is issued, or until another project manager is designated. Should the project manager change during the course of the project, the Commission shall be notified as soon as practical of this change.
23. Inform **all** contractors and subcontractors of the conditions and provisions of this Order. This Order shall be included in all construction contracts and subcontracts dealing with the work and shall supersede other contract requirements.
24. Install all erosion controls according to the plans and narrative approved by the Commission. Erosion controls are to be inspected by a representative of the Commission prior to the commencement of construction at the site. Any hay used must be salt hay. The Commission reserves the right to require additional erosion controls during construction if it deems that site conditions warrant such measures.
25. The Commission shall be notified 24 hours in advance of the commencement of work at the site.

**Construction Conditions**

During the Construction Phase of this project:

26. Accepted engineering and construction standards shall be followed in the conduct of all work.
27. No excavated material shall be disposed of in violation of any local, state or federal laws.
28. Any de-watering activities at the site shall make use of a de-watering filter, stilling basin or settling basin to remove sediment prior to discharge into resource areas.
29. During and after work on this project, there shall be no discharge or spillage of fuel, oil, or other pollutants into any part of the site governed by this Order.
30. Immediately upon the installation of catch basins, hay bales shall be set around the inlets to prevent sediment from entering the drainage system or adjacent resource areas during construction.

31. The project manager shall be responsible for regular inspections of the erosion controls on at least a **weekly** basis and after each rain storm. Necessary repairs and maintenance of the erosion control devices shall be made expeditiously.
32. The applicant, developer or on-site contractor shall submit to the Conservation Commission, during construction and until a Certificate of Compliance is issued, monthly written status reports prepared by a professional competent in such evaluation, summarizing the work that has been completed, compliance with the Order of Conditions and the status of the erosion controls. Such reports shall be submitted by the last day of each month.
33. Any resource areas that are disturbed during construction are to be restored immediately, in accordance with a plan prepared by a professional wetland scientist and approved by the Conservation Commission.
34. Upon placement of pavement binder, the roadway will be swept at least once per week until completion of construction.
35. Failure to comply with all Conditions shall constitute sufficient grounds for the Commission to order all work to cease until compliance is achieved.

#### **Post Construction Conditions**

The following conditions shall survive the Order of Conditions and remain in effect in perpetuity:

36. Prior to the issuance of a Certificate of Compliance, the applicant shall submit to the Conservation Commission for review and approval an **as-built** plan of the project, signed and stamped by a professional engineer or professional land surveyor. This plan shall be accompanied by a letter from the engineer of record stating whether the project has been constructed in accordance with approved plans, and if not, what deviations have been made from the approved plans.
37. With authorization from the Salisbury Conservation Commission that the site is sufficiently stable, all erosion controls will be removed and disposed of properly. Prior to the issuance of a Certificate of Compliance, the Conservation Commission will confirm complete removal of all hay bales and silt fencing.
38. Catch basin sumps are to be inspected quarterly and cleaned when ½ full of sediment and/or debris. The water quality swale will be maintained in proper functioning condition.

Salisbury Conservation Commission  
Special Conditions

Applicant: Town of Salisbury

Project Address: Driftway Roadway Improvements

DEP File #: 065-1203

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