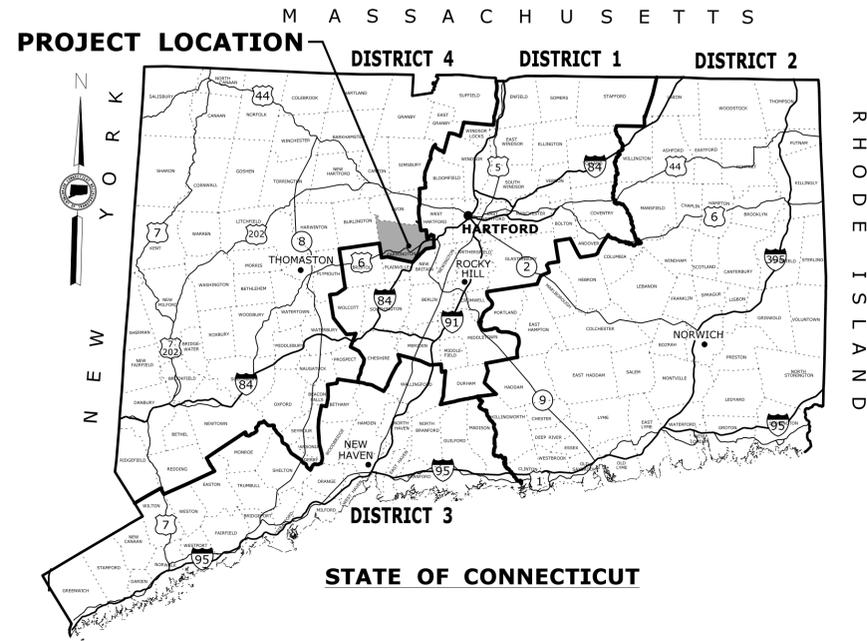
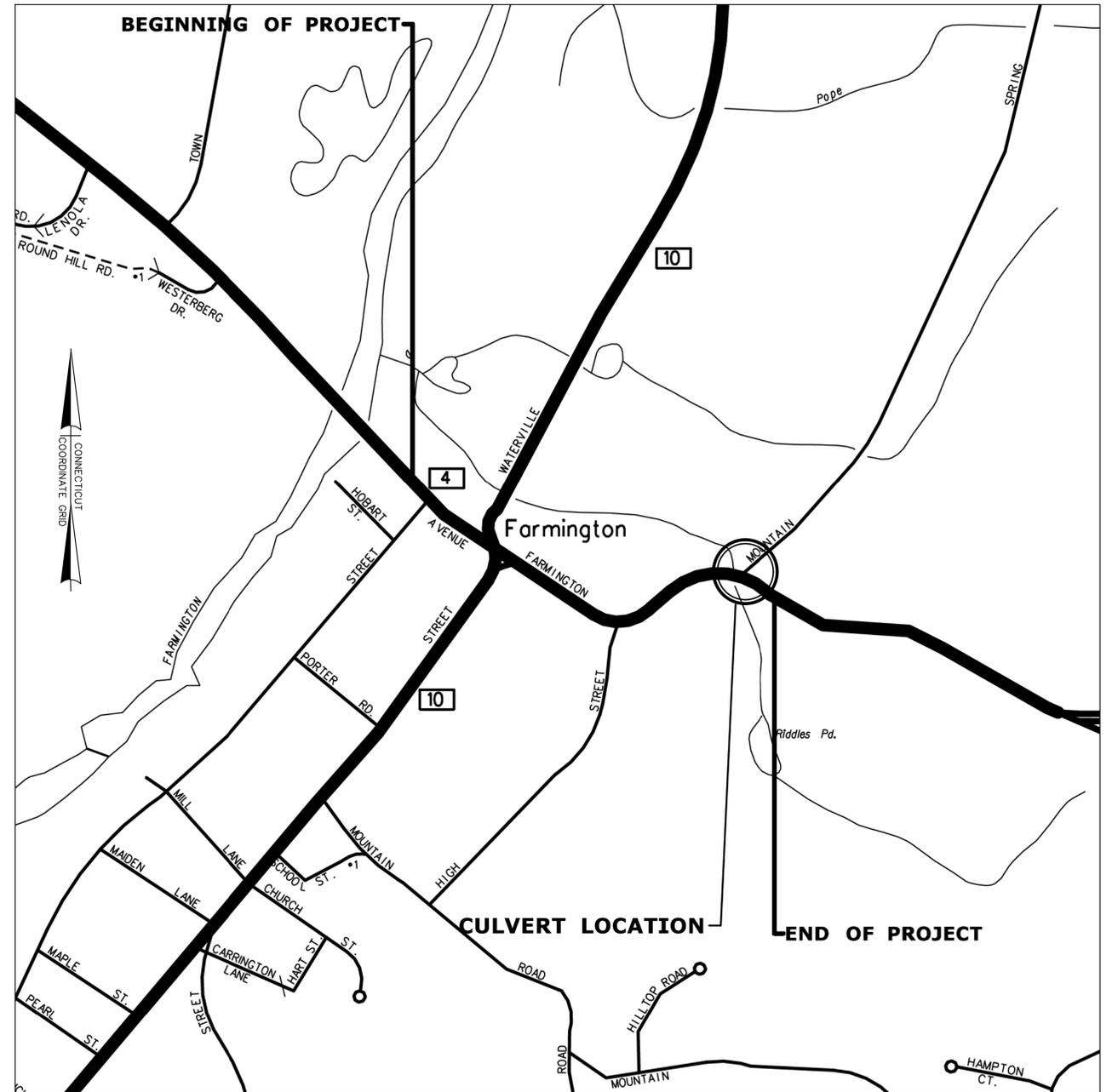


**ENVIRONMENTAL PERMIT PLANS
STATE PROJECT 51-260
SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS
ON CT ROUTE 4 (FARMINGTON AVE.) FROM
GARDEN ST. TO MOUNTAIN SPRING RD.
TOWN OF FARMINGTON**



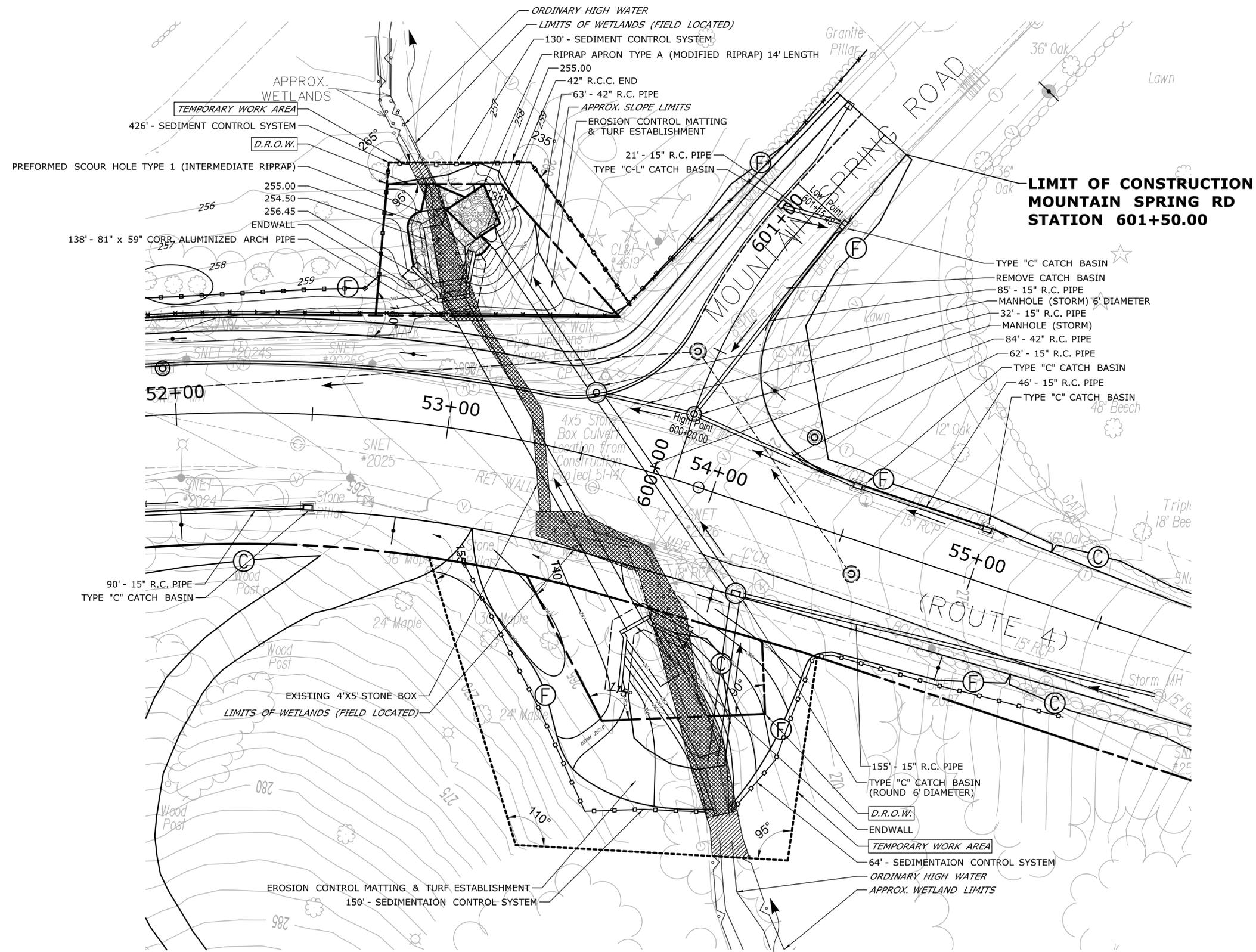
GENERAL NOTES:

1. THESE PLANS ARE INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP AND ACOE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983 VERTICAL DATUM BASED ON NGVD OF 1929



**LOCATION MAP
SCALE 1" = 500'**

| | | | | | | | |
|---|--|--|---|--|---|--|---|
| REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 6/2/2015 | | DESIGNER/DRAFTER: D.ANTONIO CHECKED BY: A.LeBLANC SCALE AS NOTED | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION <small>Filename: ...VHW_MSH_051_0260_E&S_PMT-01_Title.dgn</small> | SIGNATURE/BLOCK: OFFICE OF ENGINEERING APPROVED BY: DATE: | PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD. | TOWN: FARMINGTON DRAWING TITLE: PERMIT ATTACHMENT B TITLE SHEET | PROJECT NO. 51-260 DRAWING NO. PMT-01 SHEET NO. 03.02 |
|---|--|--|---|--|---|--|---|



LEDGEND

| | |
|--|--------------------------|
| | Temporary Wetland Impact |
| | Permanent Wetland Impact |

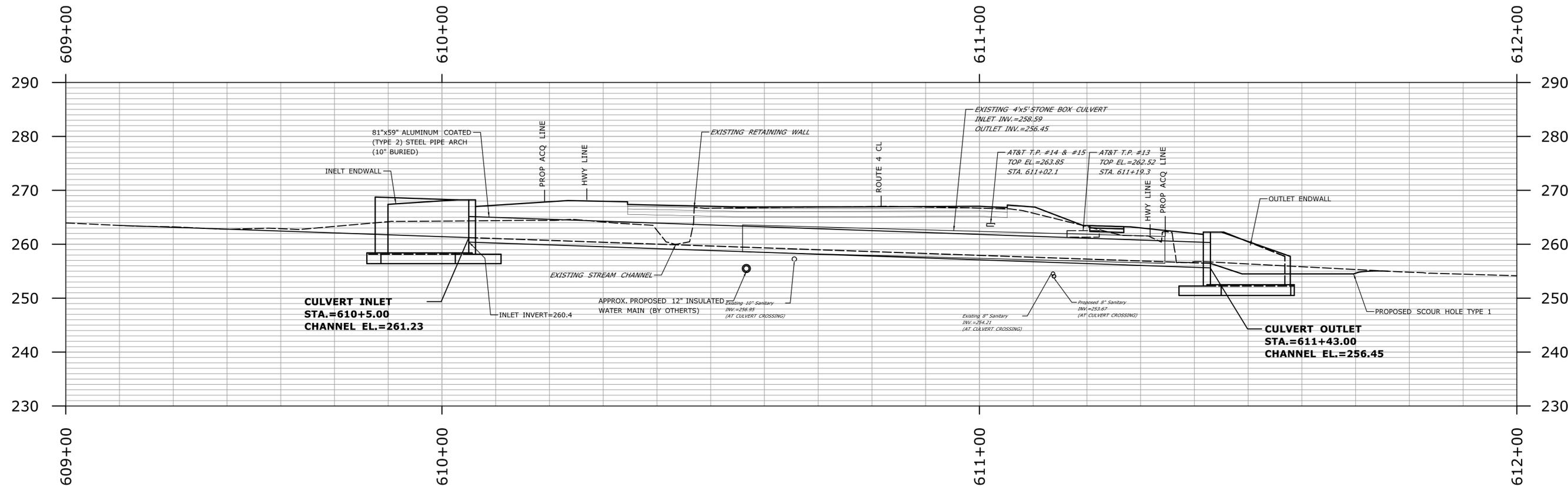
Table 1 - Wetland Impact Areas

| Location | Temporary | | Permanent | |
|--------------|------------|--------------|-------------|--------------|
| | Area (SF) | Area (ac) | Area (SF) | Area (ac) |
| Inlet | | | | |
| OHW Below | 70 | 0.002 | 724 | 0.017 |
| OHW Above | 118 | 0.003 | 771 | 0.018 |
| Outlet | | | | |
| OHW Below | 16 | 0.0004 | 291 | 0.007 |
| OHW Above | 21 | 0.0004 | 145 | 0.003 |
| Ex. Culvert | N/A | N/A | 320 | 0.007 |
| Total | 225 | 0.005 | 2251 | 0.052 |

FINAL CONDITIONS

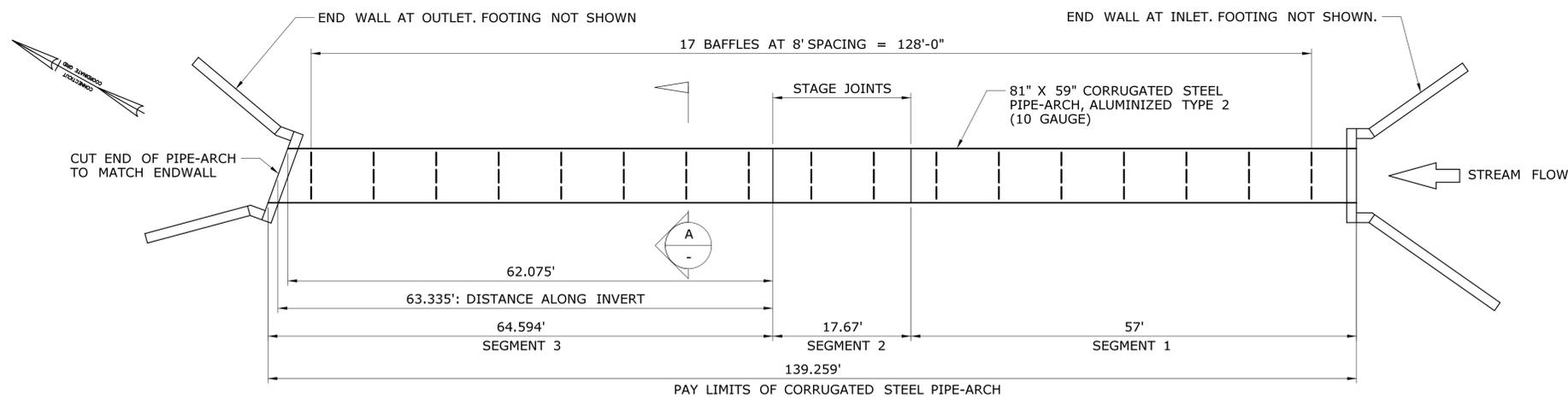
ENVIRONMENTAL PERMITTING

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|----------------------|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|---|--|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">REV.</td><td style="width: 10%;">DATE</td><td style="width: 80%;">REVISION DESCRIPTION</td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> | REV. | DATE | REVISION DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | <p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p> <p>Plotted Date: 6/2/2015</p> | <p>DESIGNER/DRAFTER: D. ANTONIO</p> <p>CHECKED BY: A. LeBLANC</p> <p>SCALE IN FEET 0 20 40 SCALE 1"=20'</p> | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_051_0260_E&S_PMT-02.dgn</p> | <p>SIGNATURE/BLOCK: OFFICE OF ENGINEERING</p> <p>APPROVED BY: _____ DATE: _____</p> | <p>PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.</p> | <p>TOWN: FARMINGTON</p> <p>DRAWING TITLE: ENVIRON. IMPACT PLAN</p> | <p>PROJECT NO. 51-260</p> <p>DRAWING NO. PMT-02</p> <p>SHEET NO. 03.03</p> |
| REV. | DATE | REVISION DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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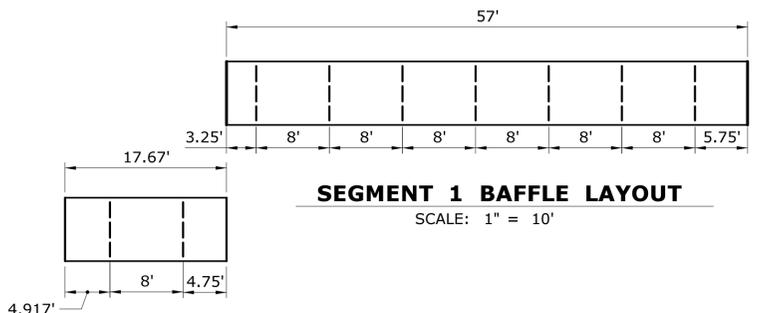


CULVERT PROFILE

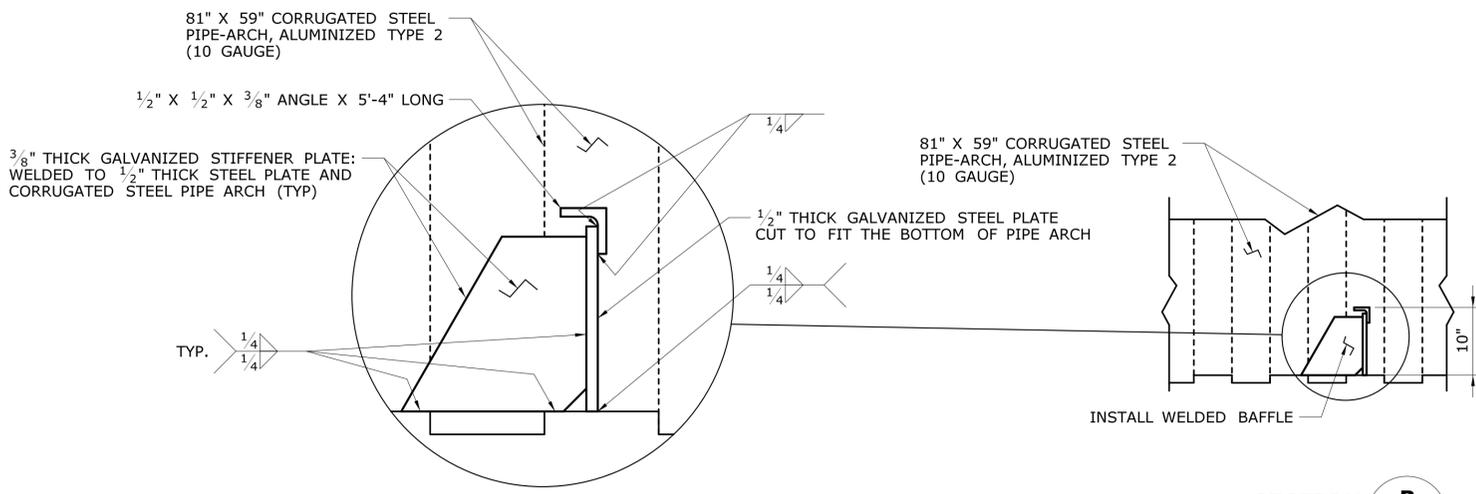
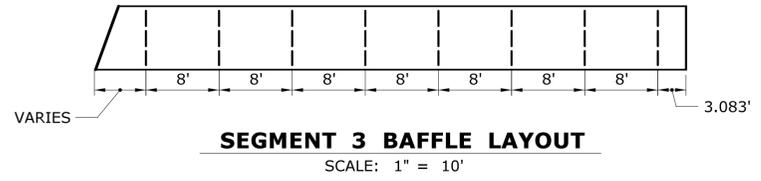
| | | | | | | | |
|---|------|---|--|--|---|--|---|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. | | DESIGNER/DRAFTER: D. ANTONIO CHECKED BY: A. LeBLANC SCALE IN FEET SCALE 1"=10' | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...VHW_MSH_051_0260_E&S_PMT-03.dgn | SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: _____ DATE: _____ | PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD. | TOWN: FARMINGTON DRAWING TITLE: CULVERT PROFILE SHEET | PROJECT NO. 51-260 DRAWING NO. PMT-03 SHEET NO. 03.04 |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | Plotted Date: 6/2/2015 | | | |



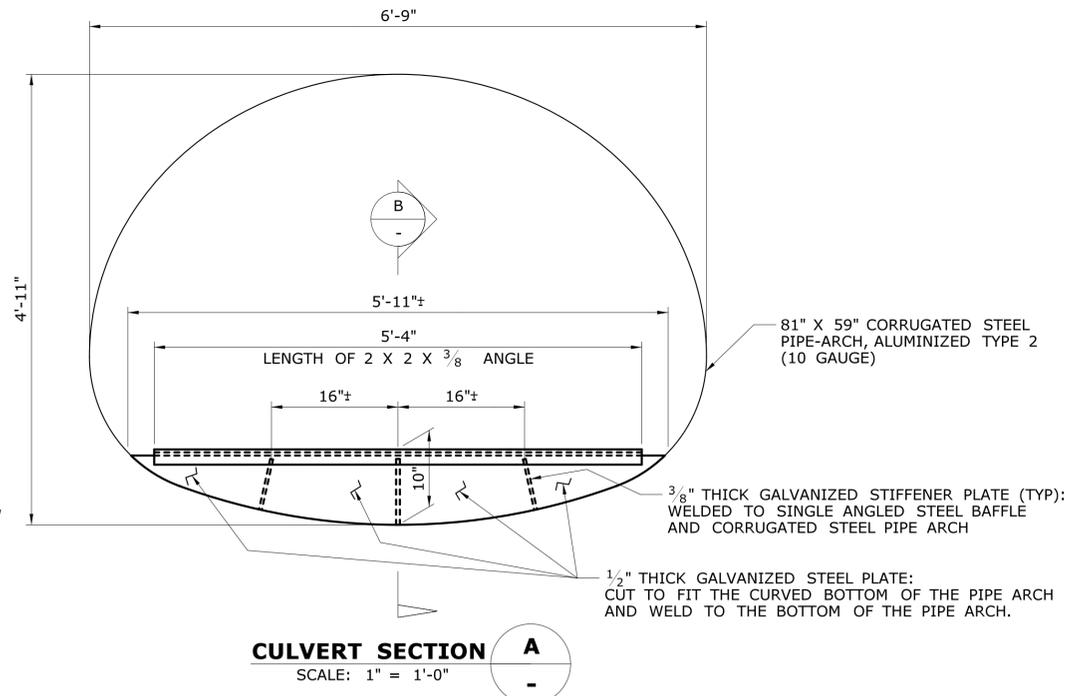
PLAN VIEW OF PIPE ARCH AND BAFFLES
SCALE: 1" = 10'



SEGMENT 2 BAFFLE LAYOUT
SCALE: 1" = 10'



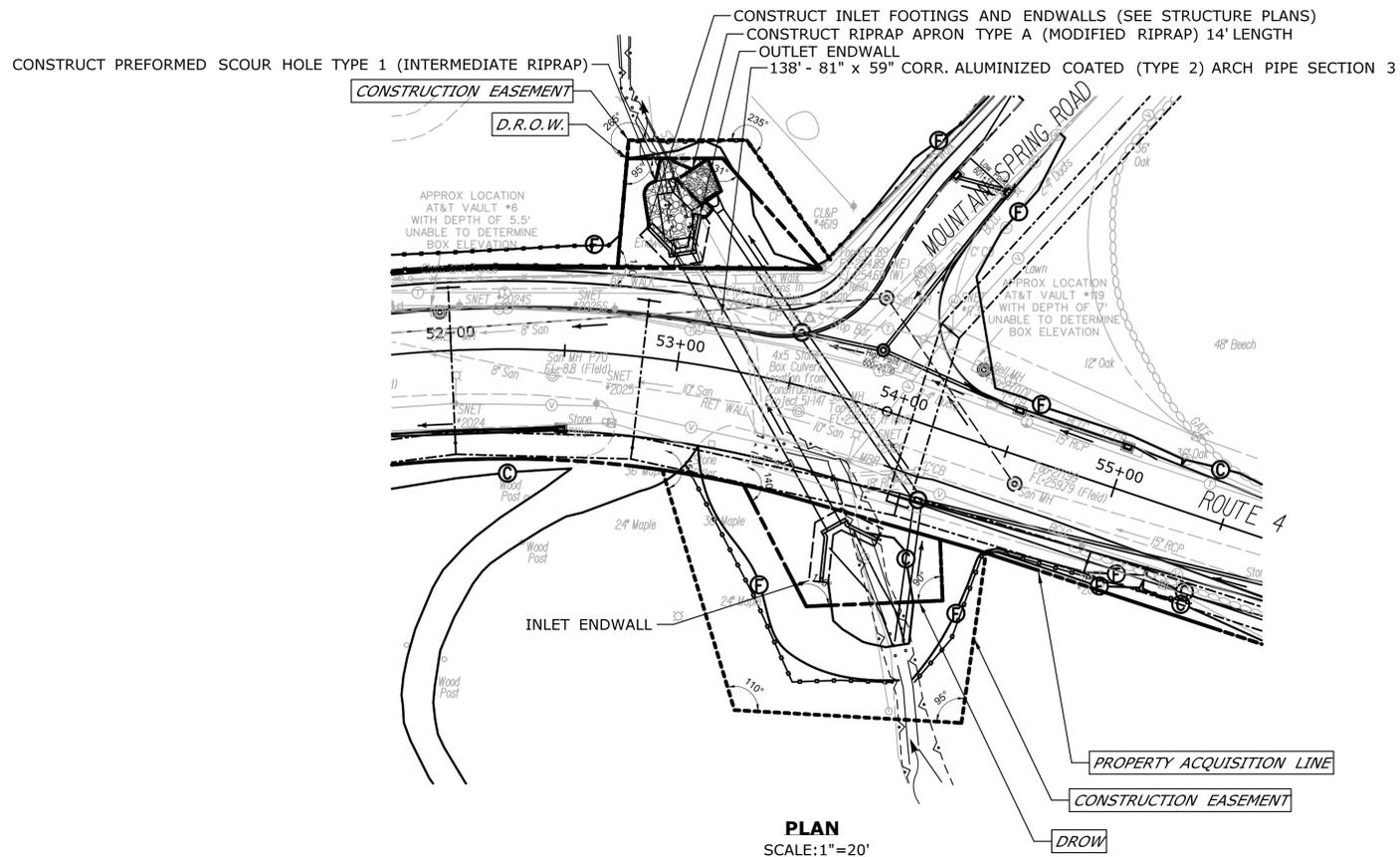
ALL STEEL COATINGS (GALVANIZED, ALUMINIZED) THAT IS AFFECTED BY THE WELDING OPERATIONS SHALL BE TOUCHED UP AFTER FABRICATION IN ACCORDANCE WITH XXX



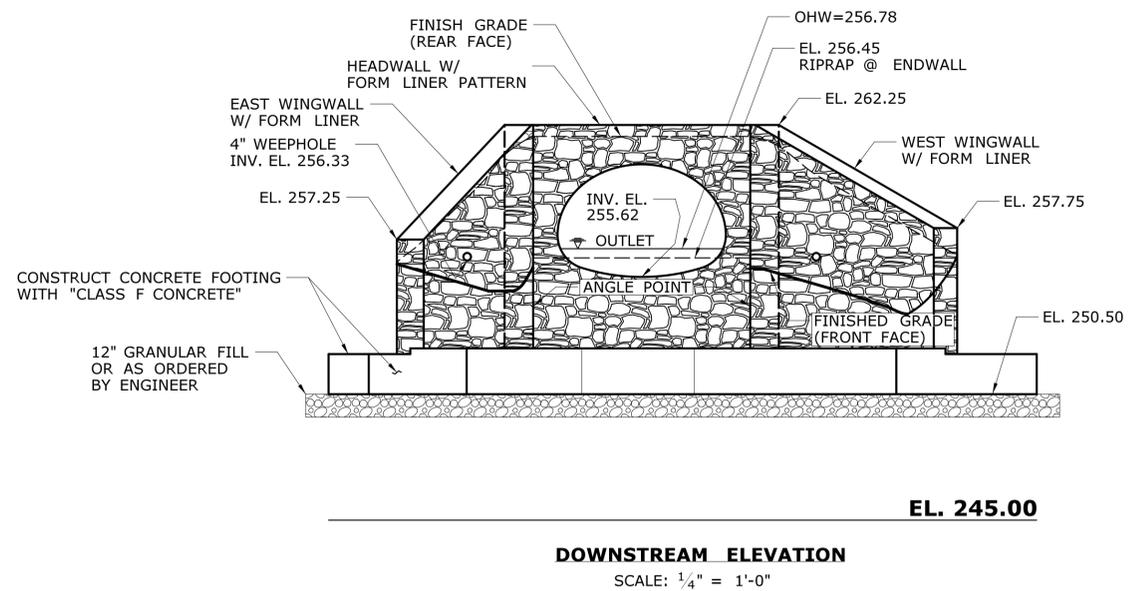
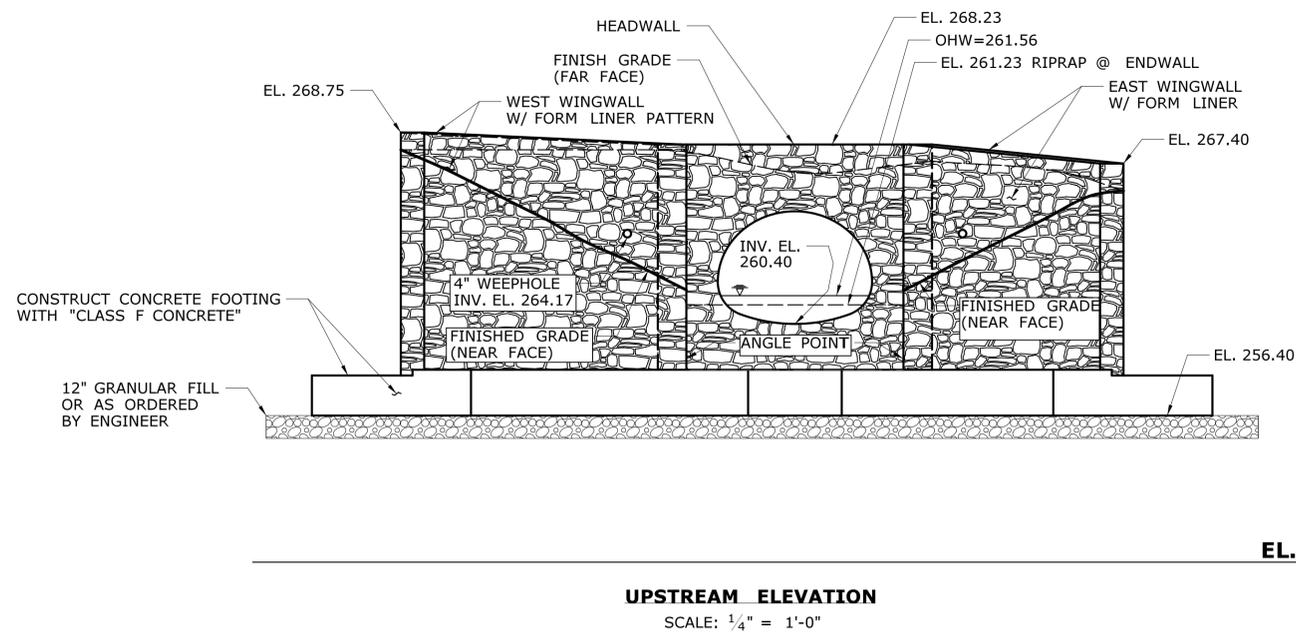
- NOTES:**
1. THE COST OF BAFFLES TO BE PAID FOR UNDER 81" X 59" CORRUGATED STEEL PIPE-ARCH, ALUMINIZED TYPE 2 (10 GAUGE)
 2. BAFFLES AND STIFFENERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
 3. PIPE ARCH SHALL BE MANUFACTURED IN ACCORDANCE WITH AASHTO M197 OR ASTM B744
 4. GALVANIZED BAFFLES SHALL BE PRE-INSTALLED IN THE SHOP.
 5. CONTRACTOR SHALL ADHERE TO THE MANUFACTURER'S RECOMMENDATIONS FOR HANDLING, ASSEMBLY AND INSTALLATION OF THE PIPE ARCH AND BAFFLES.
 6. OTHER JOINTS IN THE PIPE ARCH, REQUIRED FOR REASONS SUCH AS FABRICATION OR SHIPPING, WILL BE ALLOWED PROVIDED THE NUMBER OF SUCH JOINTS IS MINIMIZED AND COUPLERS WILL BE INSTALLED AT THE JOINTS. THE JOINTS SHALL BE LOCATED A MINIMUM OF 2' FROM THE NEAREST BAFFLE (THE SPACING OF THE BAFFLES SHALL NOT BE ADJUSTED)

ENVIRONMENTAL PERMITTING

| | | | | | | | | | | | | | | | | |
|------|------|----------------------|-----------|------------------------|---------------------------------|---------------------------|----------------|--|--|--------------|-------|---|----------------------------|------------------------------|------------------------------|---------------------------|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | Plotted Date: 4/9/2015 | DESIGNER/DRAFTER: RDH | CHECKED BY: RDD | SCALE AS NOTED | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_051_0260_E&S_PMT-04.dgn</p> | SIGNATURE/BLOCK: OFFICE OF ENGINEERING | APPROVED BY: | DATE: | PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD. | TOWN: FARMINGTON | PROJECT NO. 51-260 | DRAWING NO. PMT-04 | SHEET NO. 03.05 |
|------|------|----------------------|-----------|------------------------|---------------------------------|---------------------------|----------------|--|--|--------------|-------|---|----------------------------|------------------------------|------------------------------|---------------------------|

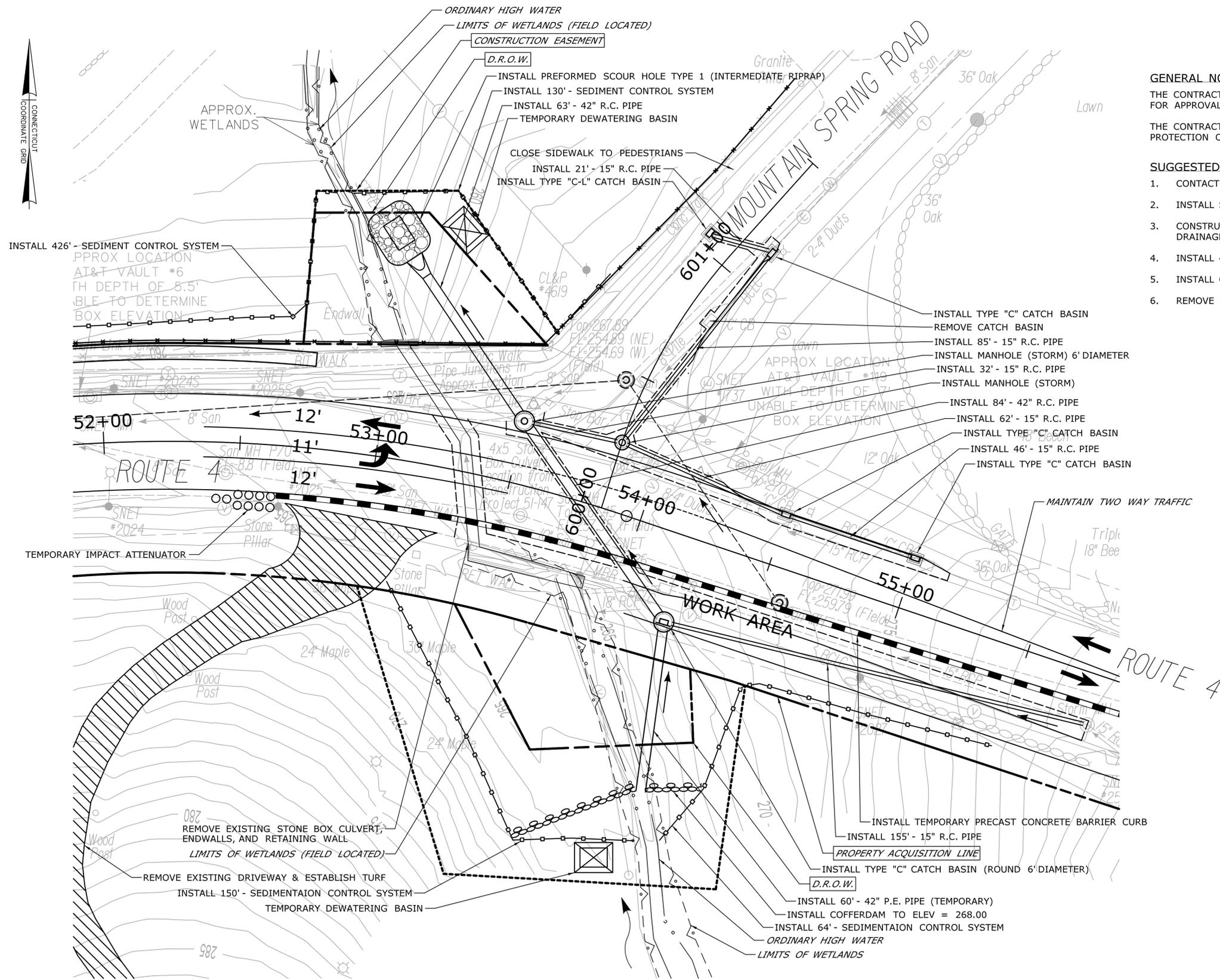
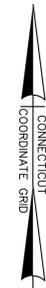


| HYDRAULIC DATA - UNNAMED BROOK | | | |
|--------------------------------|-----------------|----------|----------|
| STORMWATER FLOWS | | | |
| STORM FREQUENCY | FLOW RATE (cfs) | HW Elev. | TW Elev. |
| 2 year | 66 | 263.65 | 258.25 |
| 10 year | 98 | 264.40 | 258.52 |
| 50 year | 157 | 265.70 | 258.80 |



ENVIRONMENTAL PERMITTING

| | | | | | | |
|---------------------------------------|---------------------------------|--|--|---|---------------------------------------|------------------------------|
| DESIGNER/DRAFTER: D.ANTONIO | CHECKED BY: A.LeBLANC | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/BLOCK: OFFICE OF ENGINEERING | PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD. | TOWN: FARMINGTON | PROJECT NO. 51-260 |
| REV. DATE | REVISION DESCRIPTION | SHEET NO. | APPROVED BY: | DATE: | DRAWING TITLE: GENERAL PLAN | DRAWING NO. PMT-05 |
| Plotted Date: 6/2/2015 | | SCALE 1" = 40' | File name: ...VHW_MSH_051_0260_E&S_PMT-05.dgn | | SHEET NO. 03.06 | |



GENERAL NOTES

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE PLAN, TO THE ENGINEER FOR APPROVAL, PRIOR TO ANY WORK BEING PERFORMED.

THE CONTRACTOR SHALL WORK THESE PLANS WITH THE MAINTINANCE AND PROTECTION OF TRAFFIC PLANS AND SPECIAL PROVISIONS.

SUGGESTED SEQUENCE OF CONSTRUCTION (STAGE 1)

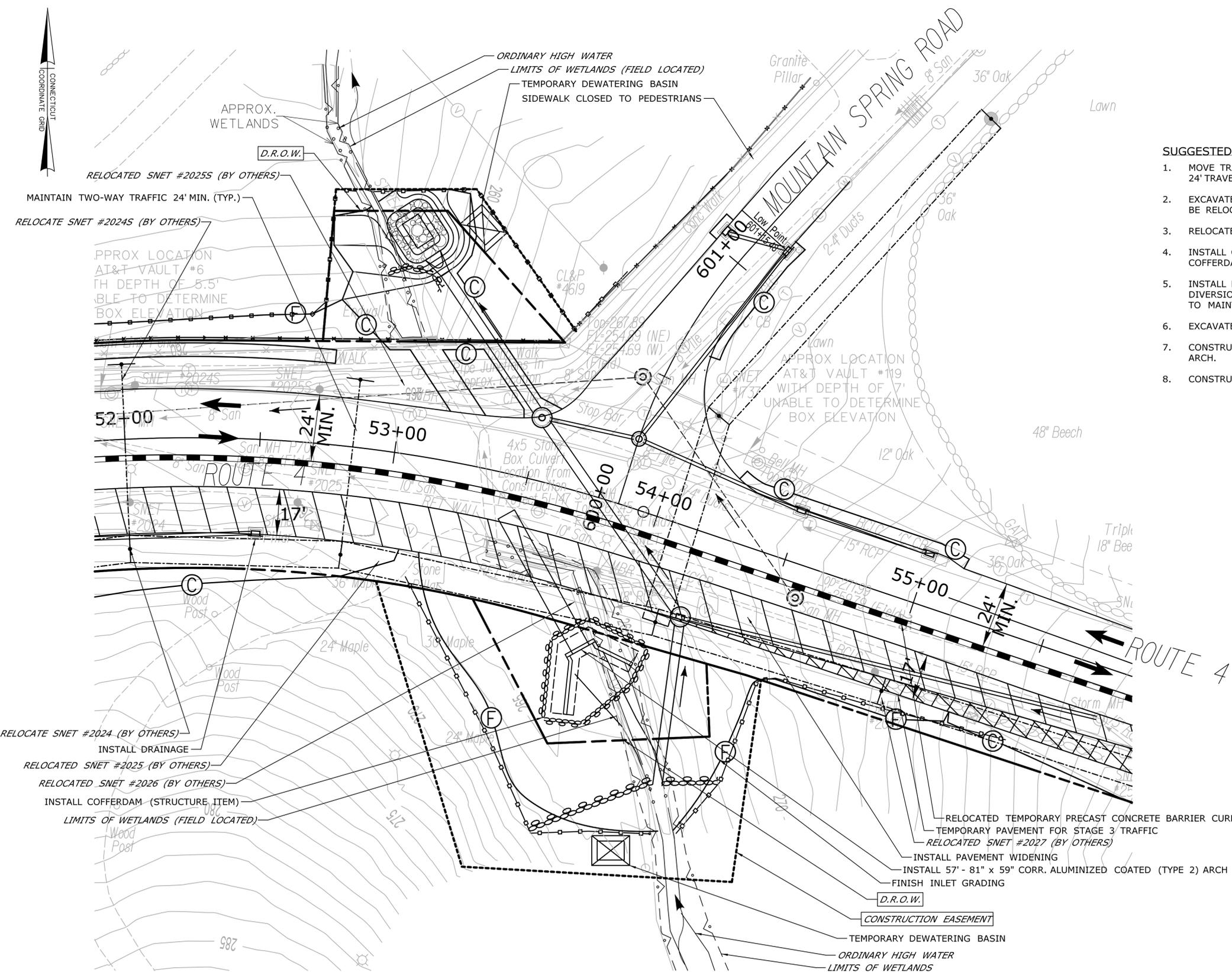
1. CONTACT "CALL BEFORE YOU DIG" AND PERFORM UTILITY MARK OUT.
2. INSTALL SEDIMENTATION CONTROLS.
3. CONSTRUCT 42" RC PIPE TO FIRST MANHOLE, PREFORMED SCOUR HOLE AND DRAINAGE ALONG MOUNTAIN SPRING ROAD AND THE NORTH SIDE OF ROUTE 4.
4. INSTALL 42" RCP CROSSING ROUTE 4, TEMPORARY INLET PIPE, AND 15" RCP.
5. INSTALL COFFERDAM TO DIVERT STREAM FLOW.
6. REMOVE EXISTING STONE BOX CULVERT, ENDWALLS, AND RETAINING WALLS.

| HYDRAULIC DATA - UNNAMED BROOK | |
|--|------------|
| AVERAGE DAILY FLOW | 0.60 (cfs) |
| AVERAGE SPRING FLOW | 1.20 (cfs) |
| TEMPORARY DESIGN DISCHARGE | 66 (cfs) |
| TEMPORARY DESIGN FREQUENCY | 2 year |
| TEMP. WATER SURFACE ELEV. (UPSTREAM) | 267.44 |
| TEMP. WATER SURFACE ELEV. (DOWNSTREAM) | 256.75 |
| WATERSHED AREA (ACRES) | 211.2 |

STAGE 1 CONSTRUCTION

ENVIRONMENTAL PERMITTING

| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> <th>SHEET NO.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | | | | | | | | | | | | | | | | | | | | | <p>Plotted Date: 6/2/2015</p> | <p>DESIGNER/DRAFTER: D. ANTONIO</p> <p>CHECKED BY: A. LeBLANC</p> <p>SCALE IN FEET 0 20 40 SCALE 1"=20'</p> | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_051_0260_E&S_PMT-06.dgn</p> | <p>SIGNATURE/BLOCK: OFFICE OF ENGINEERING</p> <p>APPROVED BY: _____ DATE: _____</p> | <p>PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.</p> | <p>TOWN: FARMINGTON</p> <p>DRAWING TITLE: STAGING/ WATER HANDLING PLAN</p> | <p>PROJECT NO. 51-260</p> <p>DRAWING NO. PMT-06</p> <p>SHEET NO. 03.07</p> |
|---|------|----------------------|----------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------|---|--|--|---|--|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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SUGGESTED SEQUENCE OF CONSTRUCTION (STAGE 2)

1. MOVE TRAFFIC FLOW TO NORTH SIDE OF ROUTE 4 TO MAINTAIN TWO-WAY TRAFFIC AT 24' TRAVEL WIDTH (MINIMUM).
2. EXCAVATE EMBANKMENT ALONG SOUTH SIDE OF ROUTE 4 SO THAT OVERHEAD UTILITIES CAN BE RELOCATED.
3. RELOCATE OVERHEAD UTILITIES STATION 46+00 TO STATION 56+00.
4. INSTALL COFFERDAM AROUND INLET (MAINTAINING A MIN. CLEARANCE OF 2 FT. BETWEEN COFFERDAM AND FOOTING).
5. INSTALL PARTIAL COFFERDAM AT OUTLET (THIS COFFERDAM IS DUAL PURPOSE, TO SUPPORT DIVERSION PIPE, AS WELL AS DEWATERING DURING INSTALLATION OF OUTLET WALLS). PLACE TO MAINTAIN 2FT. MIN. CLEARANCE BETWEEN COFFERDAM AND FOOTING.
6. EXCAVATE FOR PLACEMENT OF PIPE ARCH.
7. CONSTRUCT CONCRETE INLET STRUCTURE (FOOTING AND WALLS), PLACING SECTION 1 OF PIPE ARCH.
8. CONSTRUCT 17' WIDTH OF ROUTE 4 PAVEMENT AND DRAINAGE.

| HYDRAULIC DATA - UNNAMED BROOK | |
|--|------------|
| AVERAGE DAILY FLOW | 0.60 (cfs) |
| AVERAGE SPRING FLOW | 1.20 (cfs) |
| TEMPORARY DESIGN DISCHARGE | 66 (cfs) |
| TEMPORARY DESIGN FREQUENCY | 2 year |
| TEMP. WATER SURFACE ELEV. (UPSTREAM) | 267.44 |
| TEMP. WATER SURFACE ELEV. (DOWNSTREAM) | 256.75 |
| WATERSHED AREA (ACRES) | 211.2 |

STAGE 2 CONSTRUCTION

ENVIRONMENTAL PERMITTING

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
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| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
D. ANTONIO
CHECKED BY:
A. LeBLANC
SCALE IN FEET
0 20 40
SCALE 1"=20'



SIGNATURE/BLOCK:
OFFICE OF ENGINEERING
APPROVED BY: DATE:

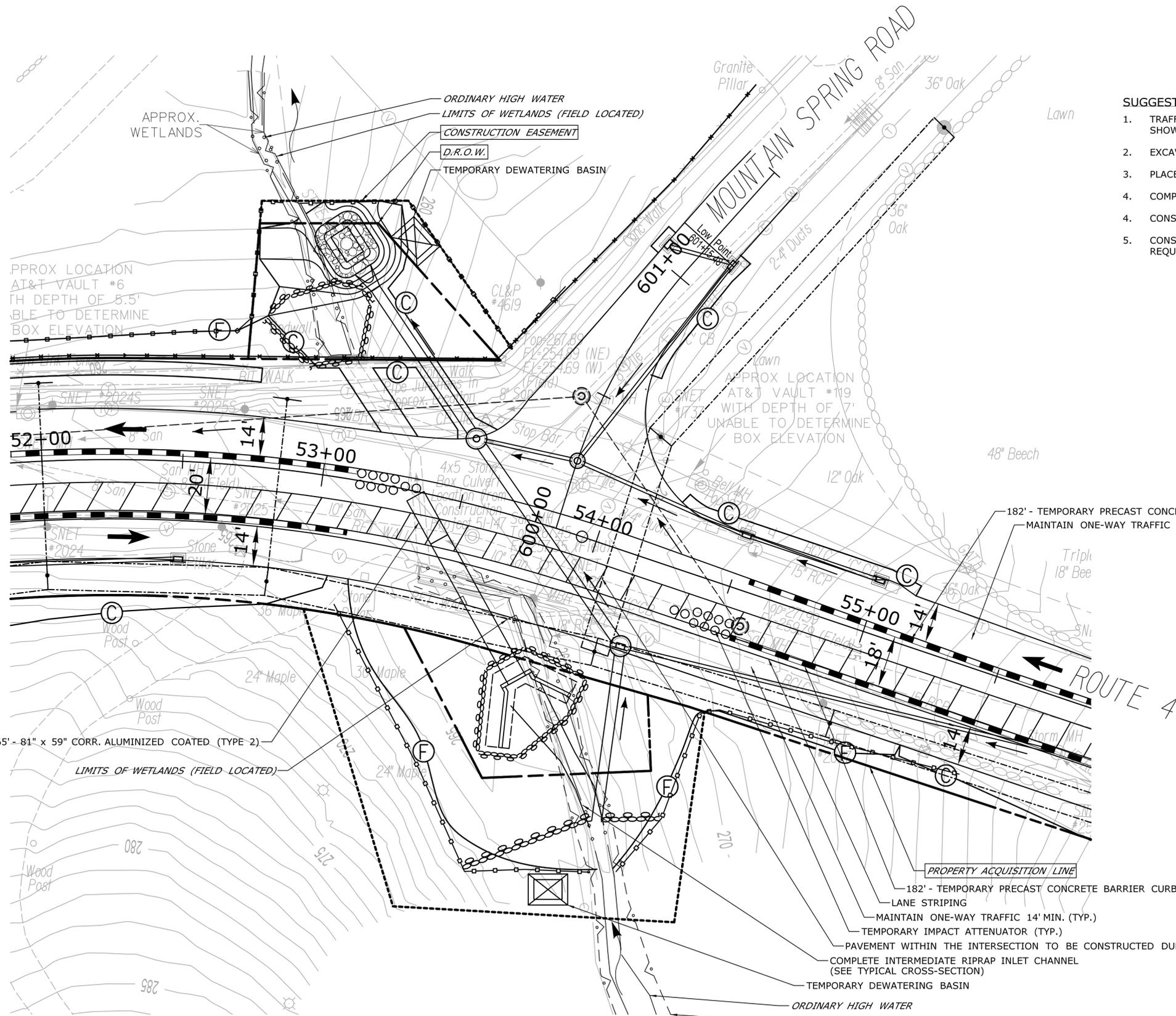
PROJECT TITLE:
SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.

TOWN:
FARMINGTON
DRAWING TITLE:
STAGING/ WATER HANDLING PLAN

PROJECT NO.
51-260
DRAWING NO.
PMT-07
SHEET NO.
03.08

Plotted Date: 6/2/2015

Filename: ...VHW_MSH_051_0260_E&S_PMT-07.dgn



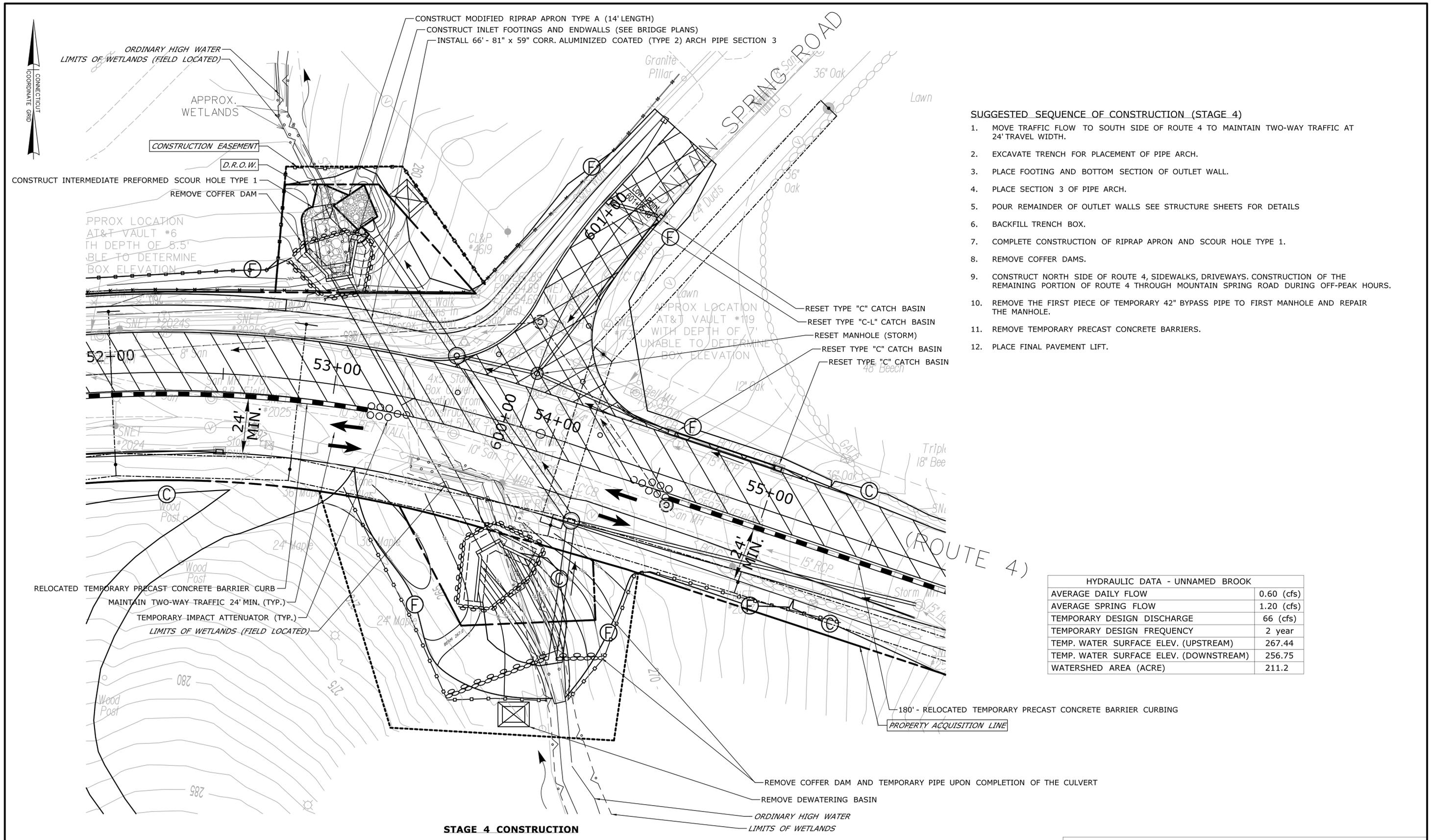
- SUGGESTED SEQUENCE OF CONSTRUCTION (STAGE 3)**
1. TRAFFIC TO BE SPLIT TO PROVIDE A CENTER WORK AREA AS SHOWN.
 2. EXCAVATE TRENCH FOR PLACEMENT OF PIPE ARCH.
 3. PLACE SECTION 2 OF PIPE ARCH.
 4. COMPLETE RIPRAP INLET CHANNEL.
 5. CONSTRUCT CENTER SECTION OF ROUTE 4 10 FEET WIDE.
 6. CONSTRUCTION OF THE PAVEMENT WITHIN THE MOUNTAIN SPRING RD INTERSECTION WILL BE REQUIRED TO BE DONE DURING OFF-PEAK HOURS.

| HYDRAULIC DATA - UNNAMED BROOK | |
|--|------------|
| AVERAGE DAILY FLOW | 0.60 (cfs) |
| AVERAGE SPRING FLOW | 1.20 (cfs) |
| TEMPORARY DESIGN DISCHARGE | 66 (cfs) |
| TEMPORARY DESIGN FREQUENCY | 2 year |
| TEMP. WATER SURFACE ELEV. (UPSTREAM) | 267.44 |
| TEMP. WATER SURFACE ELEV. (DOWNSTREAM) | 256.75 |
| WATERSHED AREA (ACRES) | 211.2 |

STAGE 3 CONSTRUCTION

ENVIRONMENTAL PERMITTING

| | | | | | | | |
|--|--|--|--|--|---|----------------------------|---|
| REV. DATE REVISION DESCRIPTION SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. | DESIGNER/DRAFTER: D. ANTONIO CHECKED BY: A. LeBLANC SCALE IN FEET SCALE 1"=20' 0 20 40 | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...VHW_MSH_051_0260_E&S_PMT-08.dgn | SIGNATURE/BLOCK: OFFICE OF ENGINEERING APPROVED BY: DATE: | PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD. | TOWN: FARMINGTON | PROJECT NO. 51-260 DRAWING NO. PMT-08 SHEET NO. 03.09 |
| | | | | | | | |



SUGGESTED SEQUENCE OF CONSTRUCTION (STAGE 4)

1. MOVE TRAFFIC FLOW TO SOUTH SIDE OF ROUTE 4 TO MAINTAIN TWO-WAY TRAFFIC AT 24' TRAVEL WIDTH.
2. EXCAVATE TRENCH FOR PLACEMENT OF PIPE ARCH.
3. PLACE FOOTING AND BOTTOM SECTION OF OUTLET WALL.
4. PLACE SECTION 3 OF PIPE ARCH.
5. POUR REMAINDER OF OUTLET WALLS SEE STRUCTURE SHEETS FOR DETAILS
6. BACKFILL TRENCH BOX.
7. COMPLETE CONSTRUCTION OF RIPRAP APRON AND SCOUR HOLE TYPE 1.
8. REMOVE COFFER DAMS.
9. CONSTRUCT NORTH SIDE OF ROUTE 4, SIDEWALKS, DRIVEWAYS. CONSTRUCTION OF THE REMAINING PORTION OF ROUTE 4 THROUGH MOUNTAIN SPRING ROAD DURING OFF-PEAK HOURS.
10. REMOVE THE FIRST PIECE OF TEMPORARY 42" BYPASS PIPE TO FIRST MANHOLE AND REPAIR THE MANHOLE.
11. REMOVE TEMPORARY PRECAST CONCRETE BARRIERS.
12. PLACE FINAL PAVEMENT LIFT.

| HYDRAULIC DATA - UNNAMED BROOK | |
|--|------------|
| AVERAGE DAILY FLOW | 0.60 (cfs) |
| AVERAGE SPRING FLOW | 1.20 (cfs) |
| TEMPORARY DESIGN DISCHARGE | 66 (cfs) |
| TEMPORARY DESIGN FREQUENCY | 2 year |
| TEMP. WATER SURFACE ELEV. (UPSTREAM) | 267.44 |
| TEMP. WATER SURFACE ELEV. (DOWNSTREAM) | 256.75 |
| WATERSHED AREA (ACRE) | 211.2 |

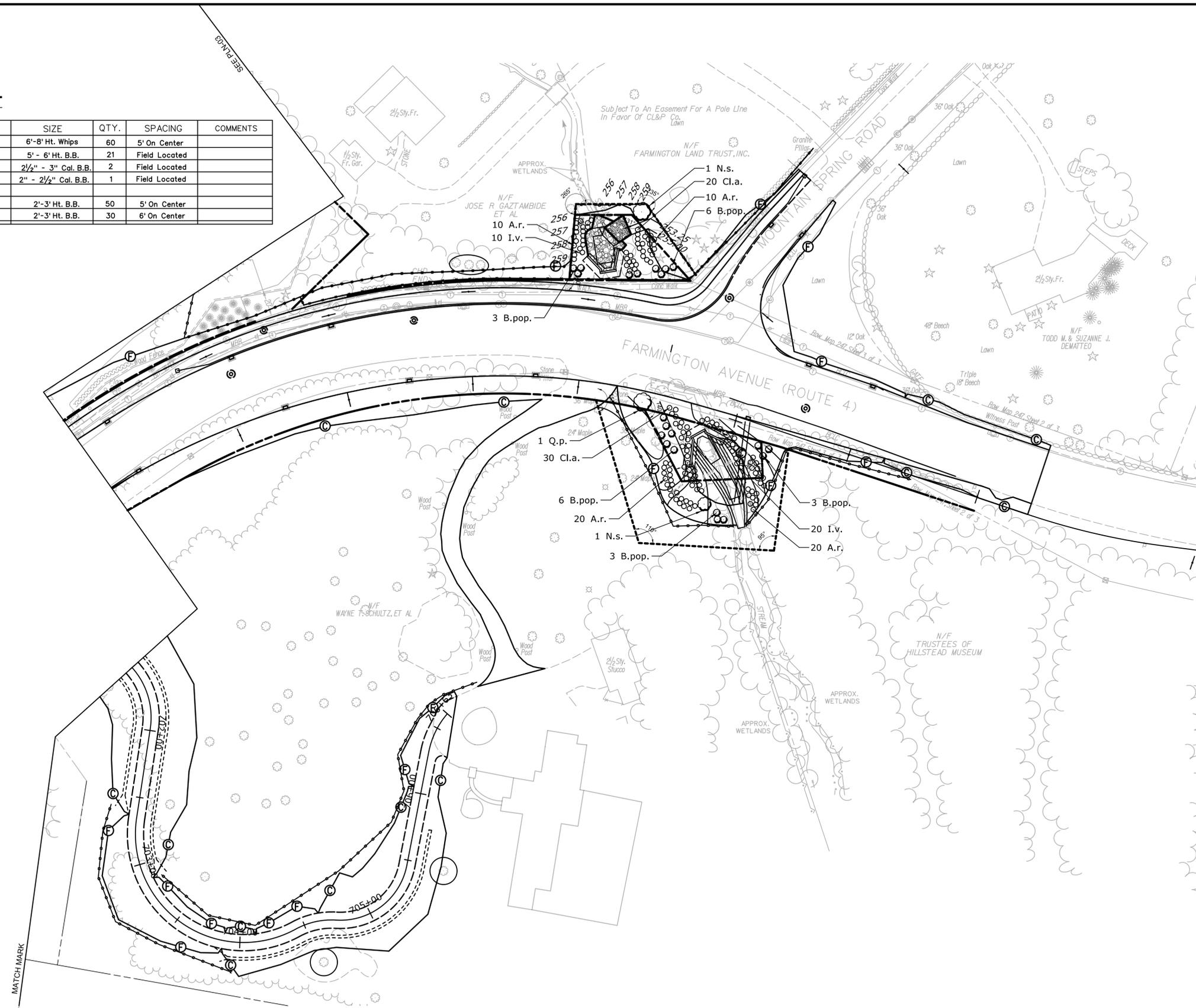
STAGE 4 CONSTRUCTION

ENVIRONMENTAL PERMITTING

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|---|------|----------------------|----------------------|-----------|--|--|--|--|-------------------------------|---|--|--|---|--|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">REV.</td> <td style="width: 10%;">DATE</td> <td style="width: 60%;">REVISION DESCRIPTION</td> <td style="width: 25%;">SHEET NO.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | <p>Plotted Date: 6/2/2015</p> | <p>DESIGNER/DRAFTER: D. ANTONIO</p> <p>CHECKED BY: A. LeBLANC</p> <p>SCALE IN FEET 0 40 80 SCALE 1"=40'</p> | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_051_0260_E&S_PMT-09.dgn</p> | <p>SIGNATURE/ BLOCK: OFFICE OF ENGINEERING</p> <p>APPROVED BY: DATE:</p> | <p>PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.</p> | <p>TOWN: FARMINGTON</p> <p>DRAWING TITLE: STAGING/ WATER HANDLING PLAN</p> | <p>PROJECT NO. 51-260</p> <p>DRAWING NO. PMT-09</p> <p>SHEET NO. 03.10</p> |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | | | | | | | | |
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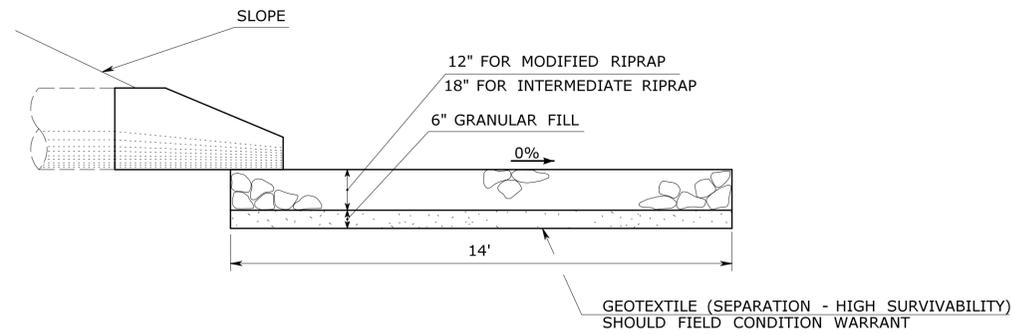
PERMIT PLANTING PLAN LIST

| KEY | BOTANICAL NAME | COMMON NAME | SIZE | QTY. | SPACING | COMMENTS |
|--------|---------------------------|--------------------|-----------------------|------|---------------|----------|
| A.r. | <i>Acer rubrum</i> | Red Maple | 6'-8' Ht. Whips | 60 | 5' On Center | |
| B.pop. | <i>Betula populifolia</i> | Gray Birch | 5' - 6' Ht. B.B. | 21 | Field Located | |
| N.s. | <i>Nyssa sylvatica</i> | Black Tupelo | 2 1/2" - 3" Cal. B.B. | 2 | Field Located | |
| Q.p. | <i>Quercus palustris</i> | Pin Oak | 2" - 2 1/2" Cal. B.B. | 1 | Field Located | |
| Cl.a. | <i>Clethra alnifolia</i> | Summersweet | 2'-3' Ht. B.B. | 50 | 5' On Center | |
| I.v. | <i>Ilex verticillata</i> | Common Winterberry | 2'-3' Ht. B.B. | 30 | 6' On Center | |



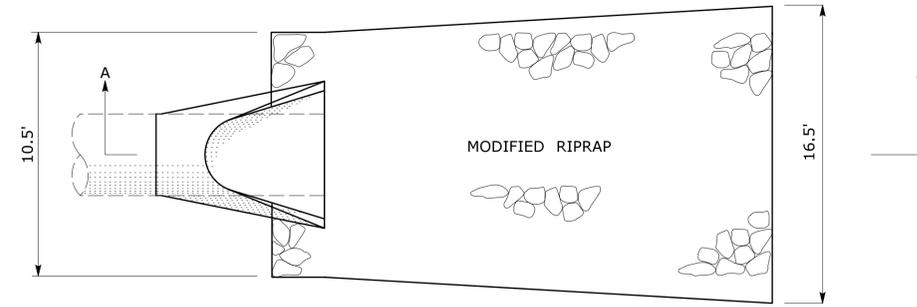
ENVIRONMENTAL PERMITTING

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------|----------------------|----------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------------------|---|--|--|---|--|---|
| <table border="1"> <tr> <td>REV.</td> <td>DATE</td> <td>REVISION DESCRIPTION</td> <td>SHEET NO.</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | REV. | DATE | REVISION DESCRIPTION | SHEET NO. | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | <p>Plotted Date: 6/2/2015</p> | <p>DESIGNER/DRAFTER: S. FIEDLER</p> <p>CHECKED BY: M. CALEBRESE</p> <p>SCALE IN FEET 0 40 80 SCALE 1"=40'</p> | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_051_0260_E&S_PMT-10.dgn</p> | <p>SIGNATURE/BLOCK: OFFICE OF ENGINEERING</p> <p>APPROVED BY: _____ DATE: _____</p> | <p>PROJECT TITLE: SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.</p> | <p>TOWN: FARMINGTON</p> <p>DRAWING TITLE: PERMIT PLANTING PLAN</p> | <p>PROJECT NO. 51-260</p> <p>DRAWING NO. PMT-10</p> <p>SHEET NO. 03.11</p> |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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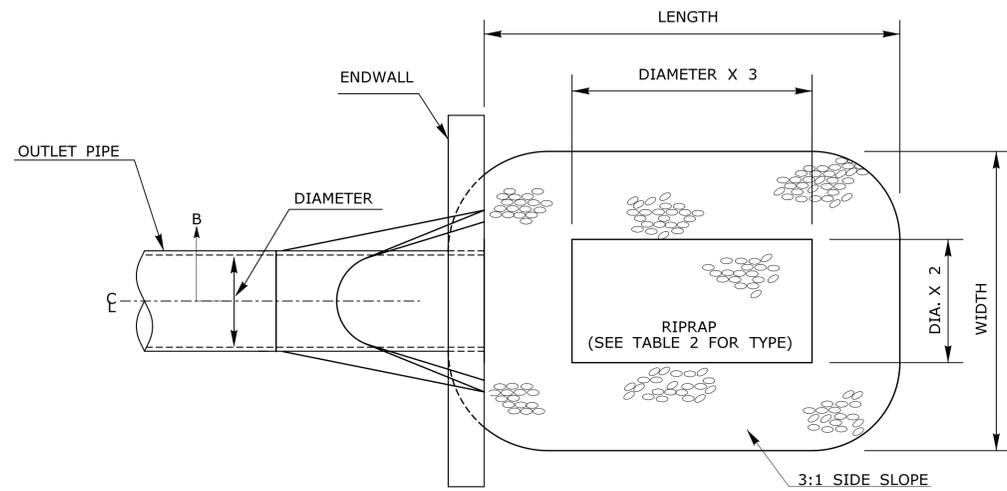


SECTION A-A

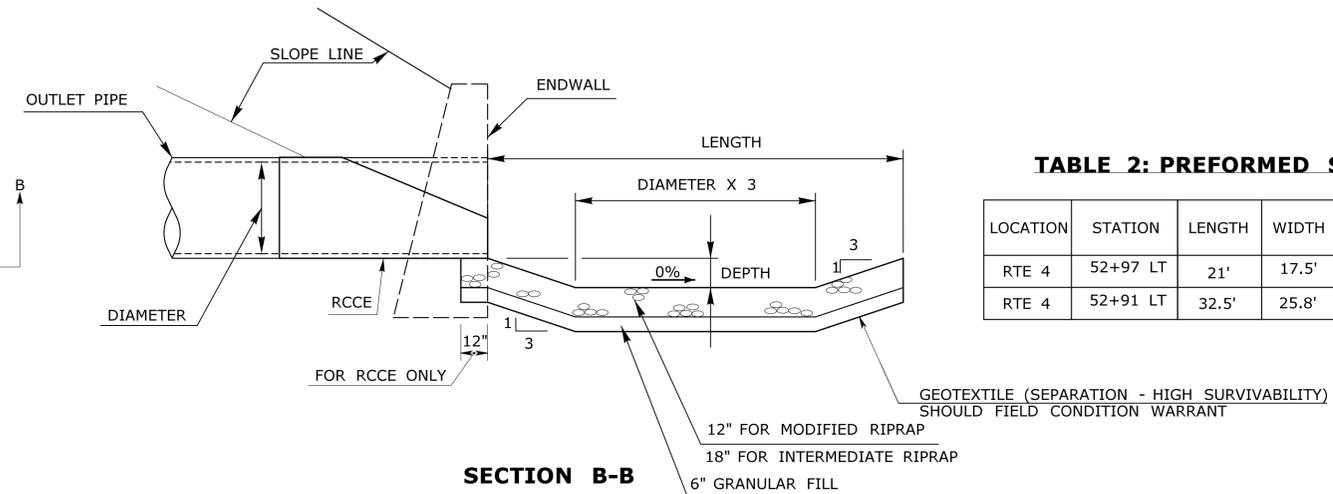
RIPRAP APRON



PLAN VIEW



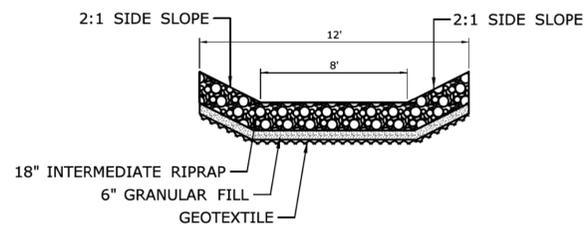
PLAN VIEW



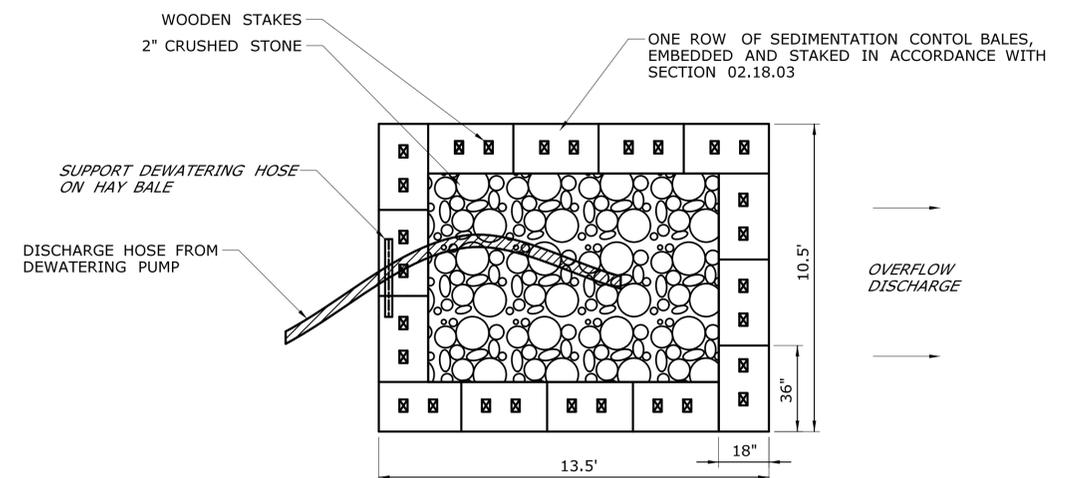
SECTION B-B

TABLE 2: PREFORMED SCOUR HOLES

| LOCATION | STATION | LENGTH | WIDTH | DEPTH | RIP RAP TYPE | STATUS |
|----------|----------|--------|-------|-------|--------------|-----------|
| RTE 4 | 52+97 LT | 21' | 17.5' | 1.8' | MODIFIED | TEMPORARY |
| RTE 4 | 52+91 LT | 32.5' | 25.8' | 2.1' | INTERMEDIATE | PERMANENT |



PROPOSED INLET CHANNEL TYPICAL SECTION



DEWATERING BASIN DETAIL

ENVIRONMENTAL PERMITTING

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| - | - | - | - |
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| - | - | - | - |
| - | - | - | - |

DESIGNER/DRAFTER: **D. ANTONIO**
 CHECKED BY: **A. LeBLANC**
 SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 6/2/2015
 Filename: ...VHW_MSH_051_0260_E&S_PMT-11.dgn

SIGNATURE/BLOCK: **OFFICE OF ENGINEERING**
 APPROVED BY: _____ DATE: _____

PROJECT TITLE: **SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.**

TOWN: **FARMINGTON**
 DRAWING TITLE: **PERMIT ATTACHMENT G MISC. DETAILS**

PROJECT NO. **51-260**
 DRAWING NO. **PMT-11**
 SHEET NO. **03.12**