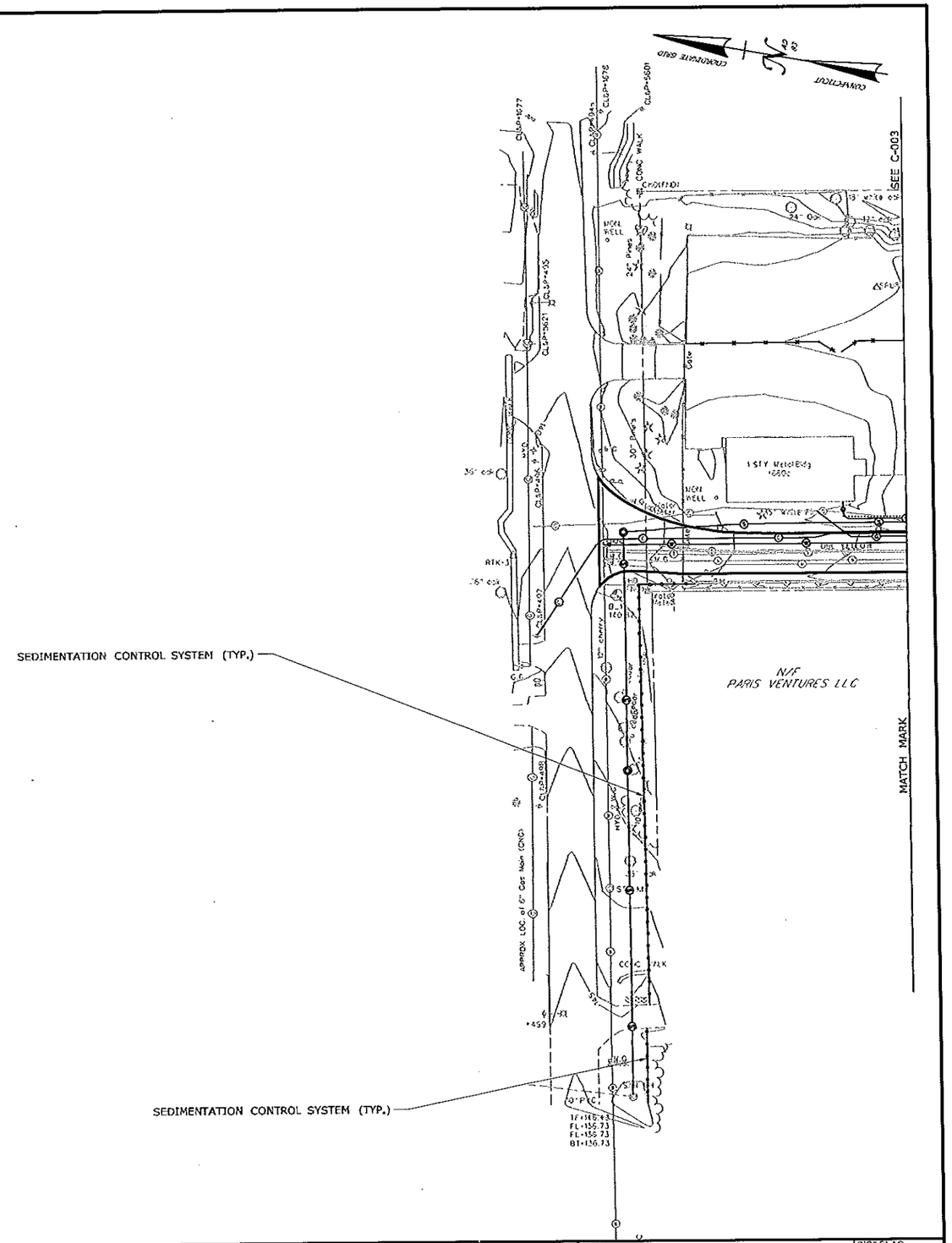
Appendix F

Erosion and Sediment Pollution Control Plans & Drainage Plans

- Erosion and Sediment Pollution Control - 1
- Erosion and Sediment Pollution Control - 2
- Erosion and Sediment Pollution Control - 3
- Drainage Plan
- Drainage Basin Detail - 1
- Drainage Basin Detail – 2
- Civil Details – 1
- Civil Details - 3

NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE D,E,P, 2002 E&S GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.
2. REMOVE ALL TEMPORARY SEDIMENTATION CONTROL SYSTEMS ONCE ALL WORK HAS BEEN COMPLETED AND SITE HAS REACHED FINAL STABILIZATION.



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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.

Plotted Date: 10/10/2014

DESIGNER/DRAFTER: SAH
CHECKED BY: AGB
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME: _FD_MSH_SED_0118_0167_C002.dgn

SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: EROSION AND SEDIMENT POLLUTION CONTROL - 1

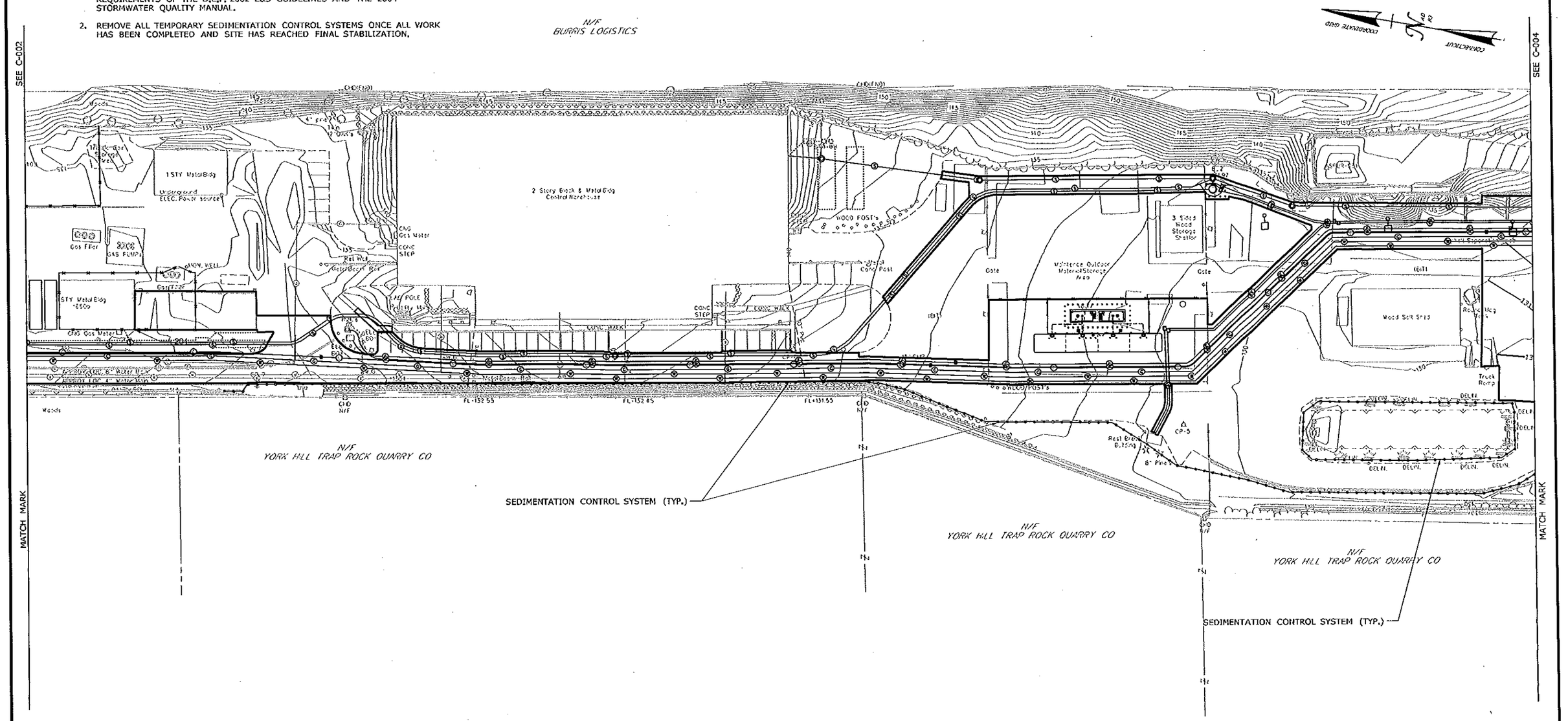
PROJECT NO. 118-167

DRAWING NO. C-002

SHEET NO.

NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE D.E.P. 2002 E&S GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.
2. REMOVE ALL TEMPORARY SEDIMENTATION CONTROL SYSTEMS ONCE ALL WORK HAS BEEN COMPLETED AND SITE HAS REACHED FINAL STABILIZATION.



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Plotted Date: 10/14/2014

DESIGNER/DRAFTER: SAH
CHECKED BY: AGB
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_HSH_560_0118_0167_C003.dgn

SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: EROSION AND SEDIMENT POLLUTION CONTROL - 2

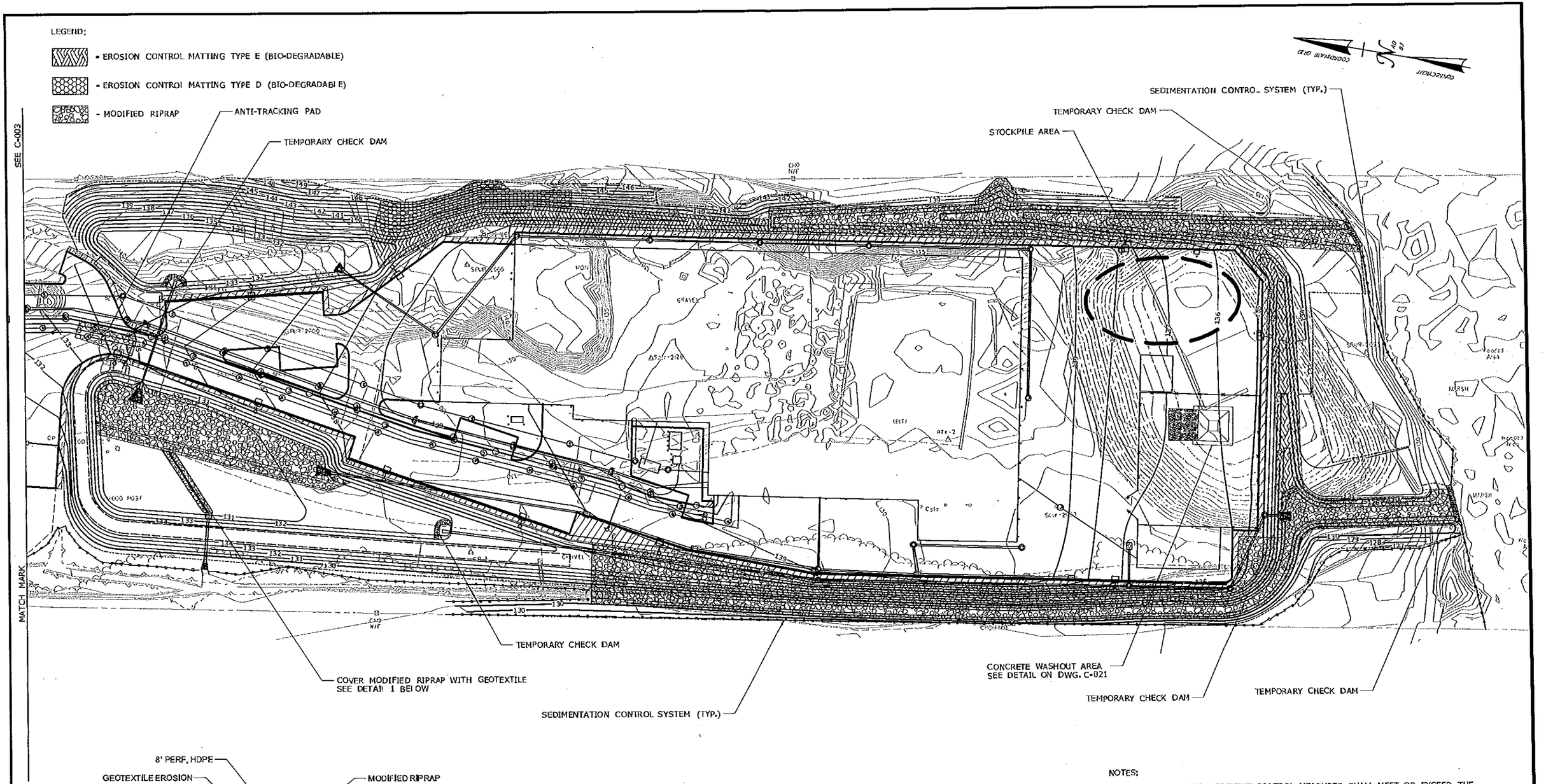
PROJECT NO. 118-167

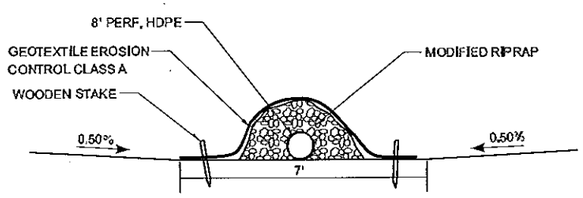
DRAWING NO. C-003

SHEET NO.

LEGEND:

- EROSION CONTROL MATTING TYPE E (BIO-DEGRADABLE)
- EROSION CONTROL MATTING TYPE D (BIO-DEGRADABLE)
- MODIFIED RIPRAP





DETAIL 1
NOT TO SCALE

NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE D.E.P. 2002 E&S GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.
2. REMOVE ALL TEMPORARY SEDIMENTATION CONTROL SYSTEMS AND TEMPORARY CHECK DAM'S ONCE ALL WORK HAS BEEN COMPLETED AND SITE HAS REACHED FINAL STABILIZATION.
3. REMOVE ALL SEDIMENT BUILD UP FROM DRAINAGE SYSTEMS AND DETENTION BASINS ONCE THE SITE HAS REACHED FINAL STABILIZATION.
4. REMOVE GEOTEXTILE EROSION CONTROL CLASS A FROM THE MODIFIED RIPRAP BERM IN DETENTION BASIN #1 ONCE THE BASIN HAS REACHED PERMANENT STABILIZATION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 11/14/2014

DESIGNER/DRAFTER: SAH
CHECKED BY: AGB
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_SED_0118_0167_C004.dgn

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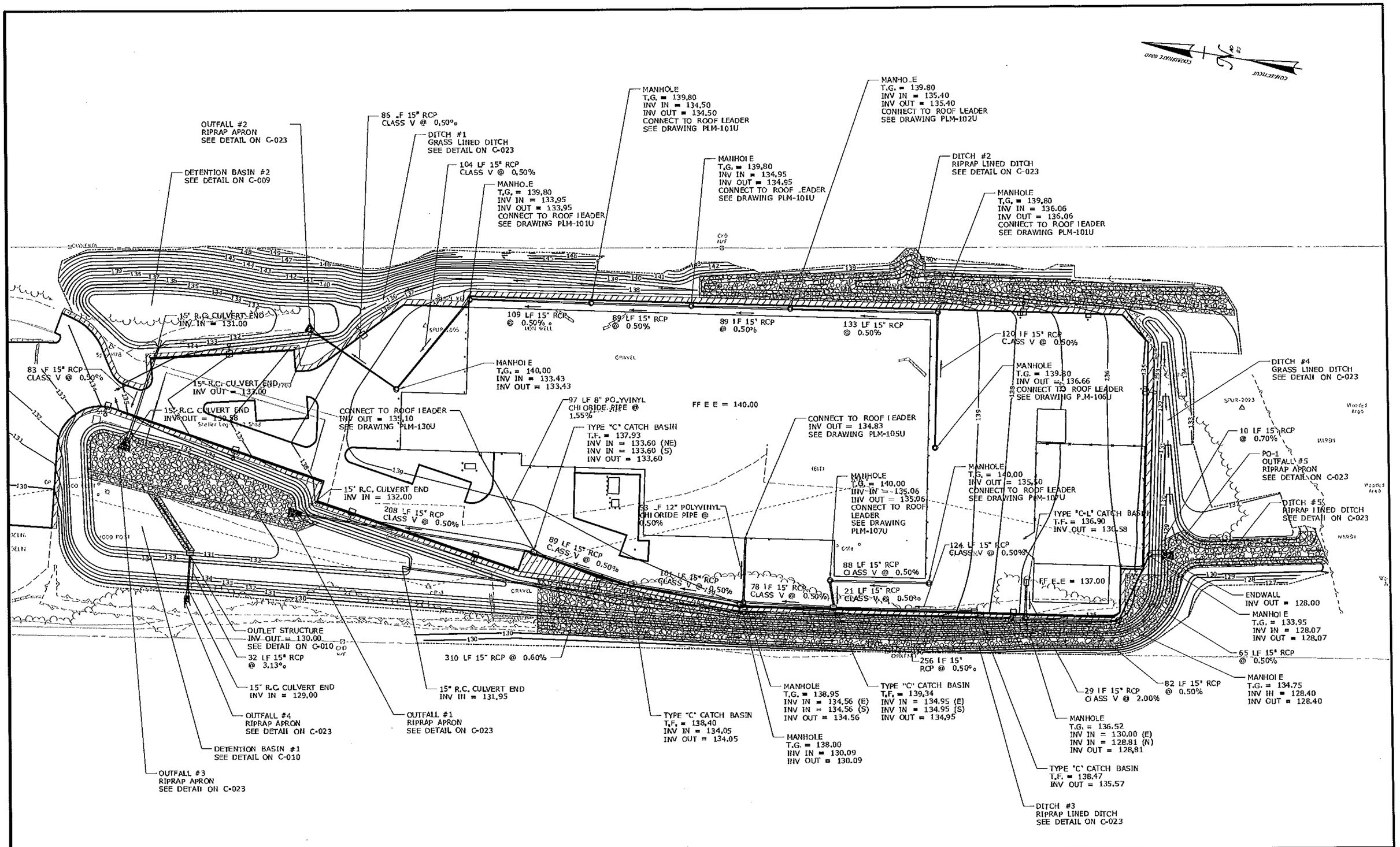
PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: EROSION AND SEDIMENT POLLUTION CONTROL - 3

PROJECT NO. 118-167
DRAWING NO. C-004
SHEET NO.



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Plotted Date: 11/13/2014

DESIGNER/DRAFTER: SAH
CHECKED BY: AGB
SCALE IN FEET: 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_NSH_DRG_0118_0167_C008.dgn

SIGNATURE BLOCK

PROJECT TITLE: REPAIR FACILITY

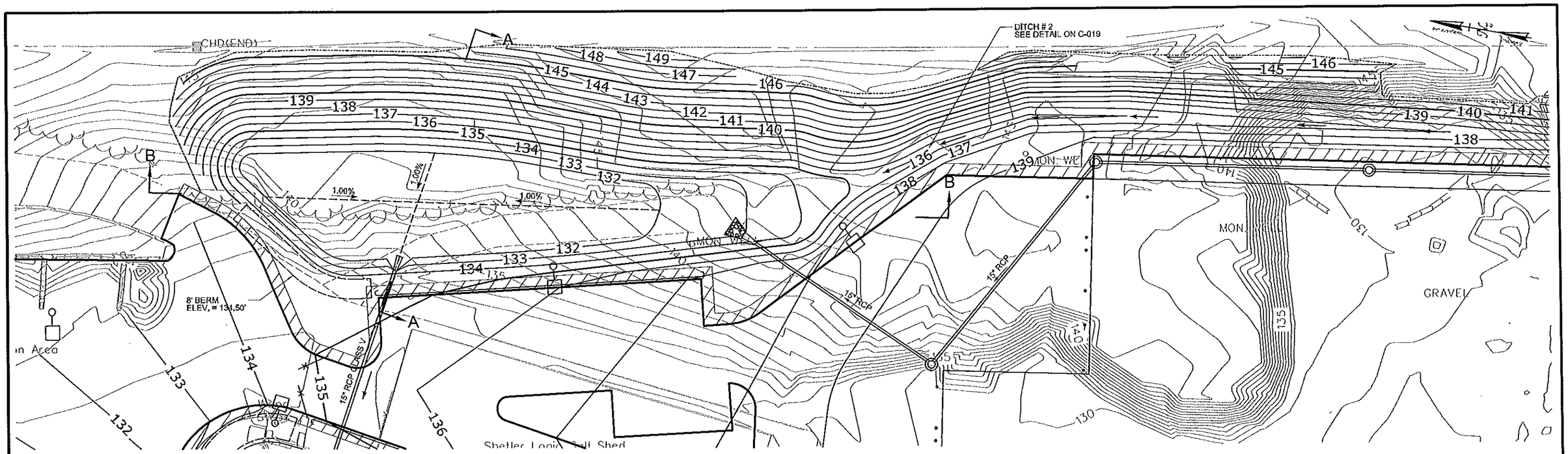
TOWN: ROCKY HILL

DRAWING TITLE: DRAINAGE PLAN

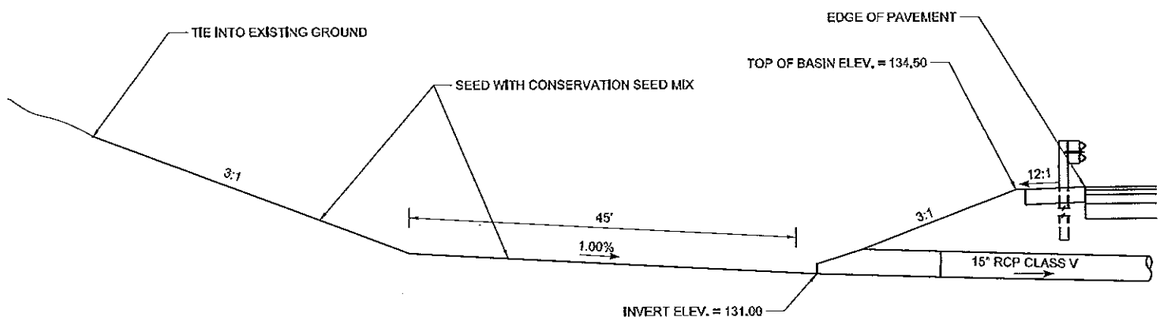
PROJECT NO. 118-167

DRAWING NO. C-008

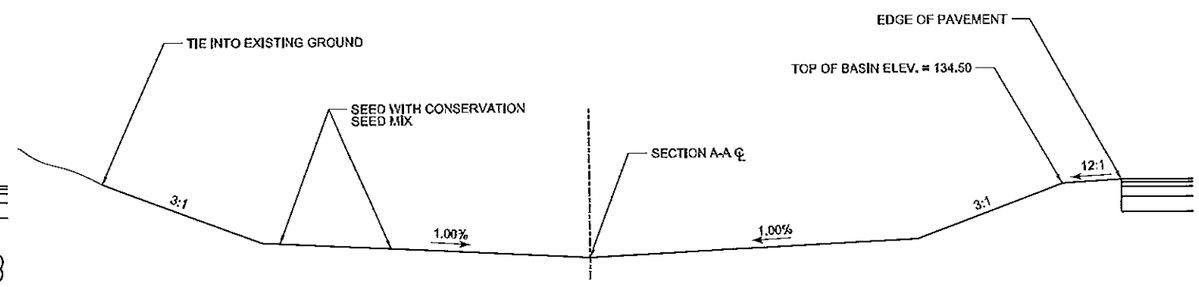
SHEET NO.



DETENTION BASIN #2 DETAIL
SCALE: 1"=20'



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted date: 10/14/2014

DESIGNER/DRAFTER: SAH
CHECKED BY: AGB
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_DRG_0118_0167_C009.dgn

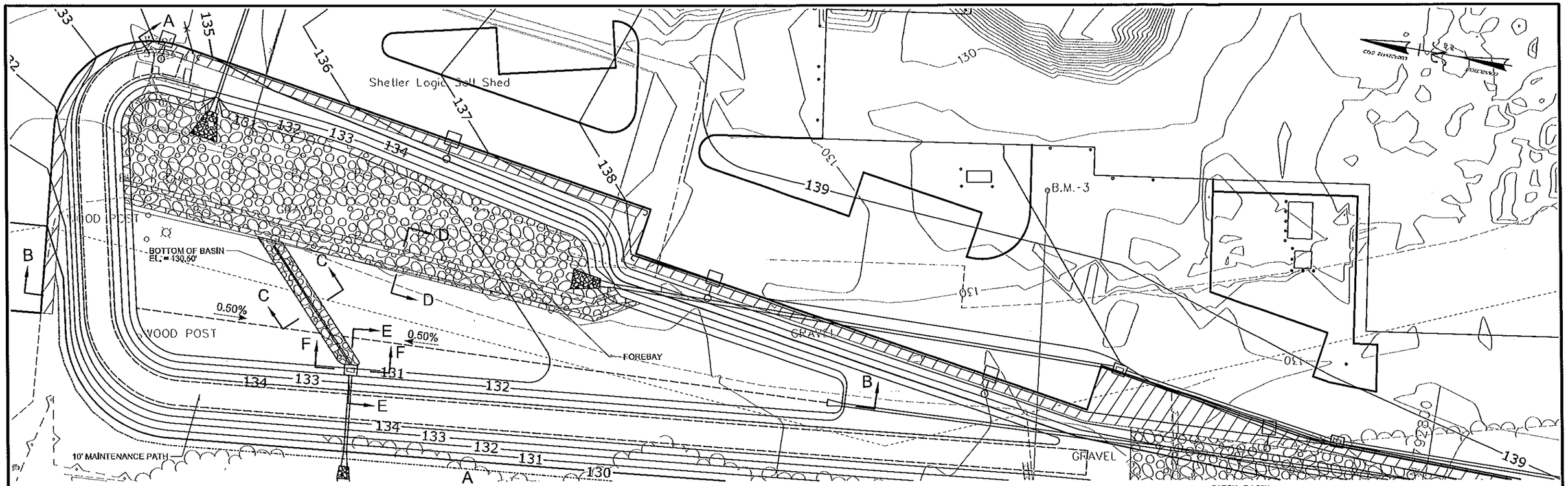
SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

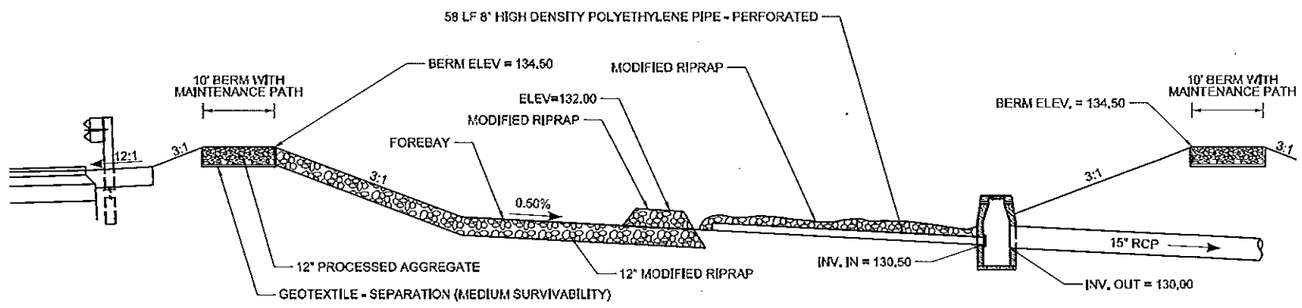
DRAWING TITLE: DETENTION BASIN DETAIL - 1

PROJECT NO. 118-167
DRAWING NO. C-009
SHEET NO.



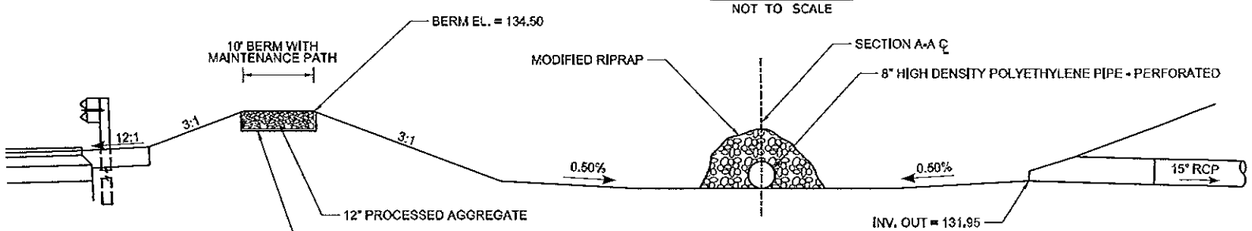
DETENTION BASIN #1 DETAIL

SCALE: 1"=20'



SECTION A-A

NOT TO SCALE



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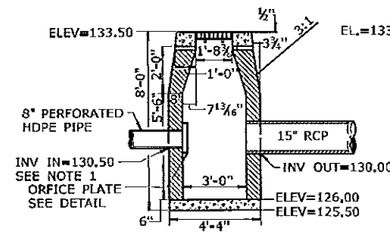
NOT TO SCALE



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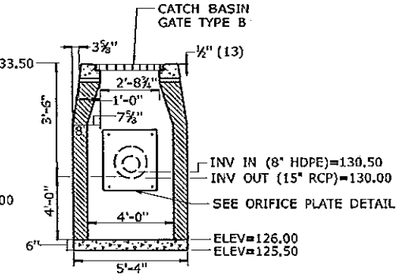
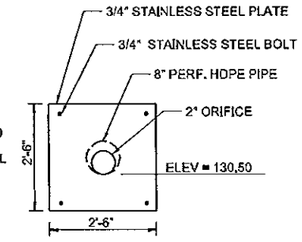
NOT TO SCALE



SECTION F-F

NOT TO SCALE

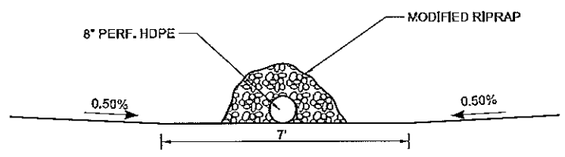


ORIFICE PLATE

NOT TO SCALE

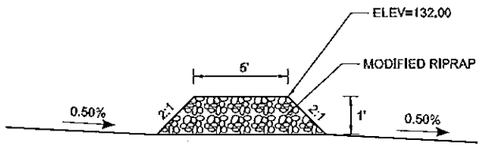
NOTES:

1. GROUT8" HIGH DENSITY POLYETHYLENE PIPE - PERFORATED INTO CATCH BASIN WITH WATERTIGHT SEAL
2. ENSURE A WATERTIGHT SEAL BETWEEN CATCH BASIN WALL AND ORIFICE PLATE



SECTION C-C

NOT TO SCALE



SECTION D-D

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 10/14/2014

DESIGNER/DRAFTER: SAH
CHECKED BY: AGB
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TD_MSH_ORG_0118_0167_C010.dgn

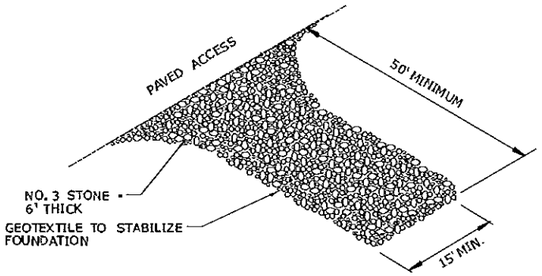
SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: DRAINAGE BASIN DETAIL - 2

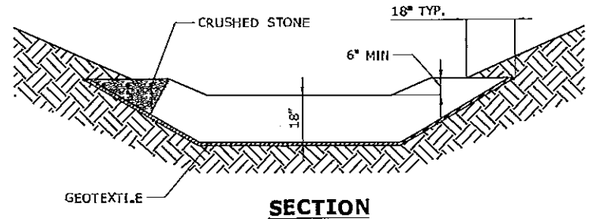
PROJECT NO. 118-167
DRAWING NO. C-010
SHEET NO.



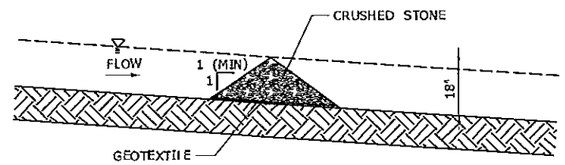
NOTES:

1. LOCATION TO BE APPROVED BY ENGINEER.
2. ADJACENT PAVED ACCESS TO BE CLEANED ONCE A DAY.
3. MUD MUST BE REMOVED FROM ALL CONSTRUCTION VEHICLES BEFORE ENTERING PUBLIC ROADS.
4. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP SEDIMENT BEFORE IT IS CARRIED OFF-SITE.

ANTI-TRACKING PAD
NOT TO SCALE

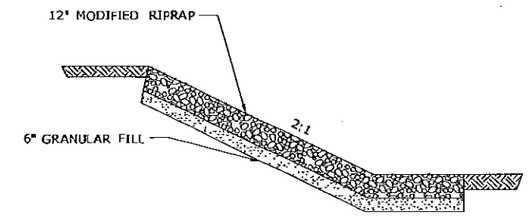


SECTION

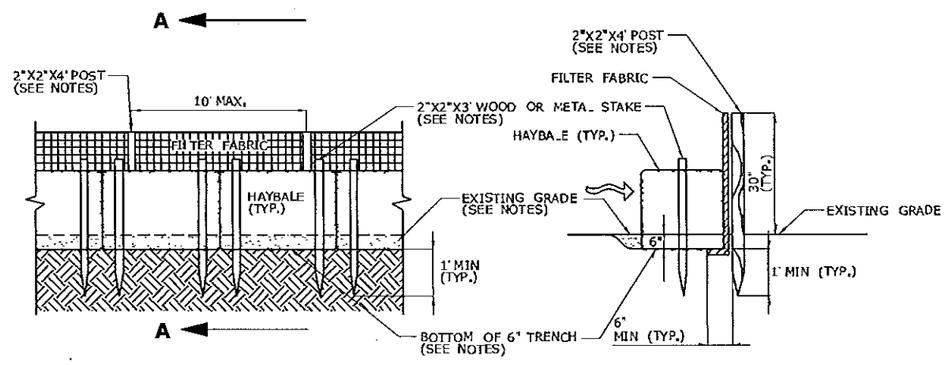


PROFILE

TEMPORARY CHECK DAM
NOT TO SCALE



SLOPE PROTECTION DETAIL
NOT TO SCALE

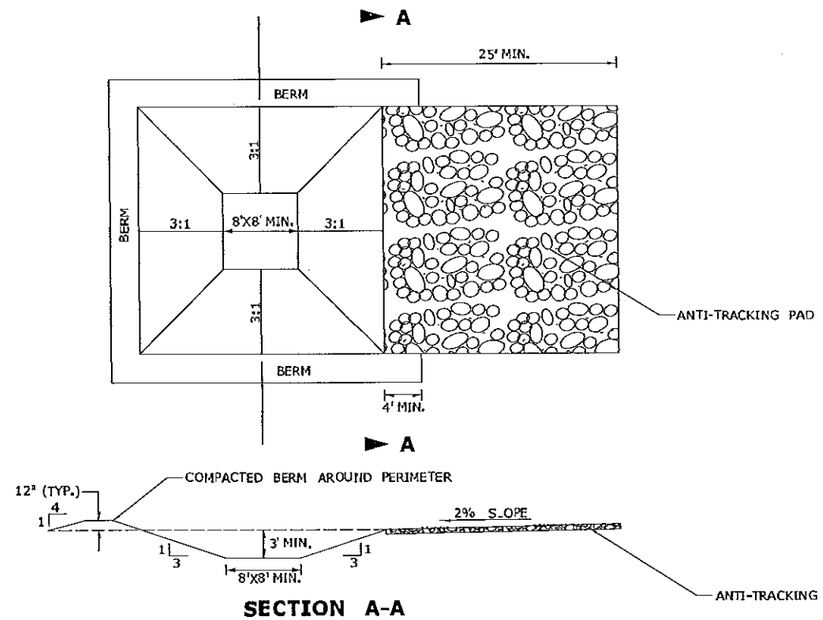


SECTION A-A

NOTES:

1. FABRIC TO BE ATTACHED TO POSTS WITH STAPLES.
2. FABRIC TO BE UV RESISTANT POLYPROPYLENE WITH A MINIMUM WEIGHT OF 2.5 OZ./S.Y.
3. USE SILT FENCE AND HAYBALES WHERE INDICATED OR AS DIRECTED BY THE ENGINEER.
4. WHERE HAYBALES ARE USED, TRENCH A MINIMUM OF 6" INTO EXISTING GRADE.
5. A MINIMUM OF TWO (2) WOODEN OR METAL STAKES PER HAYBALE. DRIVE STAKES A MINIMUM OF 12" INTO GROUND.

SEDIMENTATION CONTROL SYSTEM
NOT TO SCALE



SECTION A-A

CONCRETE WASHOUT AREA
NOT TO SCALE

NOTES:

1. DO NOT LOCATE AN UNLINED CONCRETE WASHOUT AREA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1000 OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CONCRETE WASHOUT AREA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE AREA SHOULD BE USED.
2. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
3. CONCRETE WASHOUT AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8'. SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
4. BERM SURROUNDING SIDES AND BACK OF THE CONCRETE WASHOUT AREA SHALL HAVE A MINIMUM HEIGHT OF 1'.
5. ANTI-TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASHOUT AREA.
6. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
7. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Zoned Date: 11/14/2014

DESIGNED/DRAWN BY: SAH
CHECKED BY: AGB
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\PD_MSH_DET_0118_0167_C021.dgn

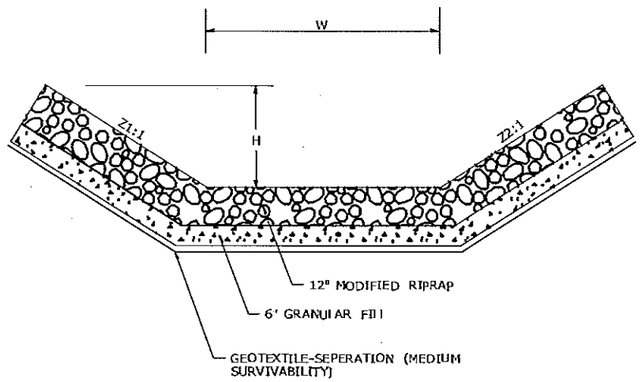
SIGNATURE BLOCK

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: CIVIL DETAILS - 1

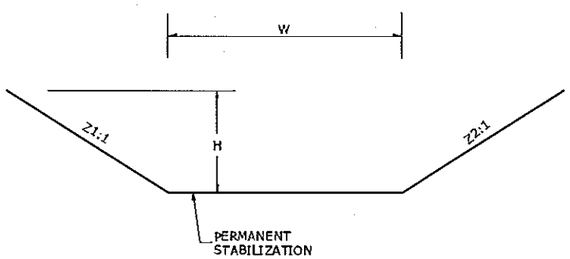
PROJECT NO. 118-167
DRAWING NO. C-021
SHEET NO.



DITCH	W (FT)	H (FT)	Z1	Z2	SLOPE %
DITCH #2	5	2.5 (MIN) 4.0 (MAX)	3	3	1.44%
DITCH #3	6	2.0	2	2	0.129%
DITCH #5	10	2.5	3	3	0.129%

RIPRAP LINED DITCH

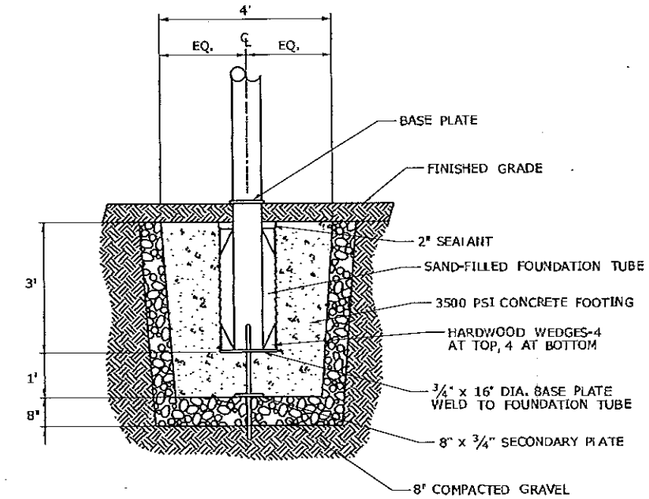
NOT TO SCALE



DITCH	W (FT)	H (FT)	Z1	Z2	SLOPE %
DITCH #1	0 (V-CHANNEL)	2.5 (MIN) 3.0 (MAX)	3	3	0.80%
DITCH #4	5	2.0	3	3	2.24%

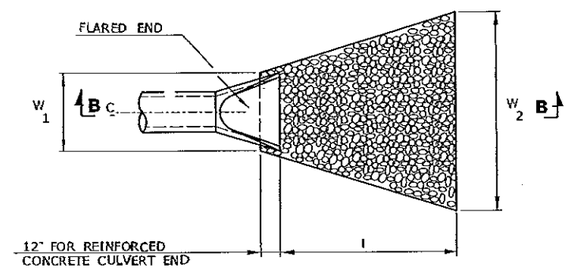
GRASS LINED DITCH

NOT TO SCALE

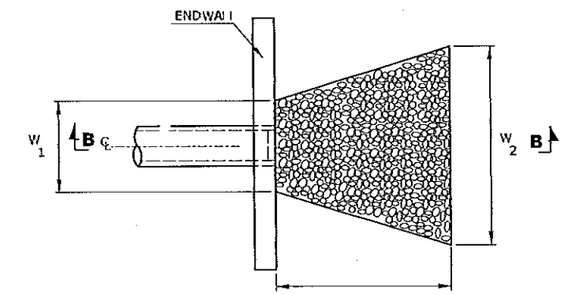


FLAGPOLE FOOTING

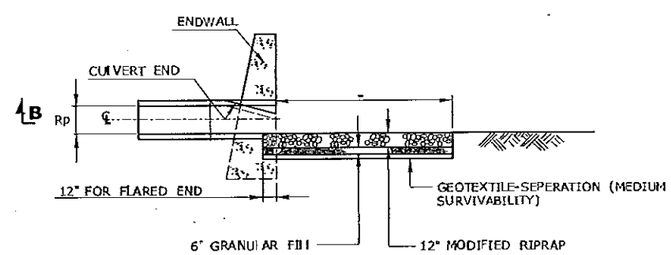
NOT TO SCALE



FLARED END PLAN VIEW



ENDWALL PLAN VIEW



OUTFALL	W1 (FT)	W2 (FT)	L (FT)
OUTFALL #1	3.75	8.25	11.50
OUTFALL #2	3.75	8.25	6.50
OUTFALL #3	3.75	11.50	11.00
OUTFALL #4	3.75	5.00	5.00
OUTFALL #5	3.75	7.00	8.50

SECTION B-B

RIPRAP APRON

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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CHECKED BY: AGB

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\FD_MSH_DET_0118_0167_C023.dgn

SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: CIVIL DETAILS - 3

PROJECT NO. 118-167

DRAWING NO. C-023

SHEET NO.