

STORMWATER MANAGEMENT BASIN FLOOR MIX – SEED MIXTURE SPECIFICATION

25% REDTOP PANICGRASS, PA ECOTYPE (PANICUM RIGIDULUM (P. STIPIATUM), PA ECOTYPE)

16% VIRGINIA WILDRYE, PA ECOTYPE (ELTMUS VIRGINICUS, PA ECOTYPE)

16% ALKALIGRASS, FULTS (PUCCINELLIA DISTANS, 'FULTS')

10% FOMI BLUEGRASS (POA PALUSTRIS)

10% CREEPING BENTGRASS (AGROSTIS STOLONIFERA)

10% TICKLEGRASS (ROUGH BENTGRASS), PA ECOTYPE (AGROSTIS SCABRA, PA ECOTYPE)

5% SOFT RUSH (JUNCUS EFFUSUS)

2% AUTUMN BENTGRASS, PA ECOTYPE (AGROSTIS PERENNANS, PA ECOTYPE)

1% PATH RUSH, PA ECOTYPE (JUNCUS TENUI, PA ECOTYPE)

1. AFTER ROUGH GRADING AND SHAPING, THE AREA OF THE BASINS SHALL BE MARKED OFF BY APPROPRIATE FENCING TO PREVENT THE MOVEMENT OF CONSTRUCTION VEHICLES OVER AND THE POSSIBLE OVER COMPACTION OF THE UNDERLYING NATURAL SOILS.
2. BASINS SHALL NEVER BE USED FOR SEDIMENT CONTROL DURING AN ACTIVE CONSTRUCTION PERIOD.
3. DURING CONSTRUCTION, SEDIMENT SHALL BE PREVENTED FROM ENTERING THE AREAS OF THE BASINS. THE CONTRACTOR SHALL EXIST THE AREAS OF THE BASINS. THE BASINS ARE STABILIZED IN A TIMELY MANNER AND MAINTAINED OVER THE ENTIRE AREA DRAINING TO THE BASINS.
4. THE DESIGN ENGINEER SHALL MONITOR THE CONSTRUCTION OF THE WATER QUALITY BASINS, WILL PERFORM ALL FOLLOW UP INSPECTIONS, ASSESSMENTS AND REPORTS AND REMEDIATION WORK (IF NECESSARY) AND SHALL PROVIDE CERTIFICATION THAT THE SYSTEM WAS INSTALLED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.
5. ALL DISTURBED AREAS SHALL BE RE-SEADED, GRADED, RAKED, SEEDED AND MULCHED IN A TIMELY MANNER. BOTTOM OF THE BASINS SHALL BE RESEDED WITH MULCH TO A MINIMUM 10' DISTANCE WITH HARVEST SEED MIXTURE SCHEDULE ON THE SHEET. SEEDING SHALL BE QUICKLY ESTABLISHED. MINIMUM VEGETATIVE COVERAGE OF 90% SHALL BE TARGETED AND MAINTAINED.
6. THE FOREBAYS SHALL CONTAIN 30% OF THE WQV FOR STORMWATER MANAGEMENT BASIN #1B AND 24% OF THE WQV FOR STORMWATER MANAGEMENT BASIN #1C. THE FOREBAYS SHALL BE FORMED BY A MODIFIED RIPRAP BERM, THE BERM SHALL BE 4' HIGH AND 12' WIDE. THE FOREBAYS SHALL BE RESEDED WITH HARVEST SEED MIXTURE SCHEDULE ON THE STORMWATER MANAGEMENT BASIN #1C. EACH FOREBAY SHALL ALSO HAVE A FIXED VERTICAL SEDIMENT DEPTH MARKER INSTALLED TO MEASURE SEDIMENT DEPOSITION.
7. AN 12" BIOFILTRATION SOIL MIX SHALL BE INSTALLED ALONG THE ENTIRE BOTTOM OF STORMWATER MANAGEMENT BASINS #1B AND #1C. THE BIOFILTRATION MIX SHALL CONSIST OF 50-60% SAND, 20-30% TOPSOIL, AND 20-30% WEED-FREE SOIL.
8. A BASIN FLOOR PLANTING SCHEDULE IS PROVIDED BELOW FOR STORMWATER MANAGEMENT BASINS #1B AND #1C. PRIOR TO INSTALLATION, THE BASIN SHALL BE MONITORED DURING CONSTRUCTION TO DETERMINE THE EXTENT AND DEPTH OF PONDING WITHIN THE BASIN AND THE PLANTING SCHEDULE SHALL BE ADJUSTED ACCORDINGLY PER THE PROJECT SOIL REPORT. THE PLANTING SCHEDULE SHALL BE REVIEWED AND APPROVED BY OF THE TOWN ENVIRONMENTAL PLANNER PRIOR TO INSTALLING.

Civil • Structural • Survey

317 MAIN STREET • NORWICH, CT 06360 • (860) 886-1966 • (860) 886-9165 FAX

July 1, 2024

Common name	Scientific name	Quantity (1B/1C)	Spacing	WL Status
Tussock sedge	<i>Carex stricta</i>	300 (78/222)	2ft on center	OBL
Soft rush	<i>Juncus effusus</i>	300 (78/222)	2ft on center	OBL
Pickersweed	<i>Pontederia cordata</i>	300 (78/222)	2ft on center	OBL
Three-way sedge	<i>Dulichium arundinaceum</i>	300 (78/222)	2ft on center	OBL
Blue flag iris	<i>Iris versicolor</i>	300 (78/222)	2ft on center	OBL
Bar-oreed	<i>Sparganium americanum</i>	300 (78/222)	2ft on center	OBL

All plantings to be randomly distributed at basin bottom (127' elevation for basin 1B, 124' for basin 1C)

Mathematical calculations:

Basin 1C approx.. 4837 sqft: 1209 plants with 2ft spacing

Basin 1B approx. 1711 sqft; 428 plants with 2ft spacing

Number of total plants required based on 2ft spacing approx. 1632

Total number of each species assuming equal amounts of all plants approx. 272 (6 flats each)

Seed mix: [New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites](#)

Use 5 pounds at 1250 sqft/lb around edges of basin 1B and 1C- do not add to basin bottom

Contact: 413-548-8000

- Description from manufacturer (New England Wetland Plants): The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation.
- This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by the mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed to soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended.

M. Ahern, Soil Scientist I
CLA Engineers, Norwich, CT

TYPICAL BASIN CROSS-SECTION

STORMWATER MANAGEMENT BASIN PLANTINGS & FLOOR MIX (SEE NOTES #4 & #5)

WATER QUALITY BASIN

BOTTOM OF BASIN ELEV. = 127.00

8' MIN.

4" MIN. TOPSOIL

TOP OF BASIN ELEV. = 131.50

2:1 MAX.

COMPACTED NON-ORGANIC EARTH SUBGRADE

TYPICAL BASIN CROSS-SECTION AT SPILLWAY

STORMWATER MANAGEMENT BASIN PLANTINGS & FLOOR MIX (SEE NOTES #4 & #5)

WATER QUALITY BASIN

BOTTOM OF BASIN ELEVATION: = 127.00

4" MIN. TOPSOIL

TOP OF BASIN ELEVATIONS: = 131.50

2:1 MAX.

GEOTEXTILE FABRIC

12" THICK CTDOT MODIFIED RIPRAP M12.02

COMPACTED NON-ORGANIC EARTH SUBGRADE

TOP OF SPILLWAY ELEVATIONS: = 130.50

10 FEET

2:1 (MAX.)

2:1 (MAX.)

6" MIN.

TOP OF BERM ELEVATIONS: = 131.50

TOP OF SPILLWAY ELEVATIONS: = 130.50

12" THICK CTDOT MODIFIED RIPRAP M12.02

GEOTEXTILE FABRIC

NOTES:

1. REFER TO "STORMWATER MANAGEMENT BASIN CONSTRUCTION NOTES" ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. BOTTOM OF STORMWATER MANAGEMENT BASIN TO BE SEEDED WITH "STORMWATER MANAGEMENT BASIN FLOOR MIX" BY ERNST CONSERVATION SEEDS.
3. SIDE SLOPES AND TOP OF STORMWATER MANAGEMENT BASIN TO BE SEEDED WITH "PERMANENT SEED MIXTURE" (SEE NOTES ON THIS SHEET) AND MULCHED.
4. INSTALL PLANTINGS ALONG BOTTOM OF BASIN PER "PLANTING SCHEDULE" FOR STORMWATER MANAGEMENT BASIN. SEE "BIB & CIT" ON THIS SHEET. SEE STORMWATER MANAGEMENT BASIN CONSTRUCTION NOTE #8.
5. THE BOTTOM OF THE BASIN SHALL BE OVER EXCAVATED 12 INCHES AND A 12-INCH-THICK LAYER OF FILL SHALL BE PLACED TO FINISH. THE STORMWATER MANAGEMENT BASIN FLOOR MIX SHALL CONSIST OF 50-80% SAND, 20-30% TOPSOIL, AND 20-30% WOOD-FREE LEAF COMPOST OR EQUIVALENT. THE BIOFERTILIZATION MIX AND MULCH SHALL BE APPLIED TO THE FILL.

NOT TO SCALE

STORMWATER MANAGEMENT BASIN PLANTINGS & FLOOR MIX (SEE NOTES #4 & #5)

WATER QUALITY BASIN

BOTTOM OF BASIN ELEV. = 124.00

3:1 MAX.

8' MIN.

4" MIN. TOPSOIL

TOP OF BASIN ELEV. = 129.50

2:1 MAX.

COMPACTED NON-ORGANIC EARTH SUBGRADE

TYPICAL BASIN CROSS-SECTION

STORMWATER MANAGEMENT BASIN PLANTINGS & FLOOR MIX (SEE NOTES #4 & #5)

WATER QUALITY BASIN

BOTTOM OF BASIN ELEV. = 124.00

3:1 MAX.

4" MIN. TOPSOIL

TOP OF BASIN ELEVATIONS: = 129.50

2:1 MAX.

GEOTEXTILE FABRIC

12" THICK CTOT MODIFIED RIPRAP M12.02

TOP OF SPILLWAY ELEVATIONS: = 128.50

COMPACTED NON-ORGANIC EARTH SUBGRADE

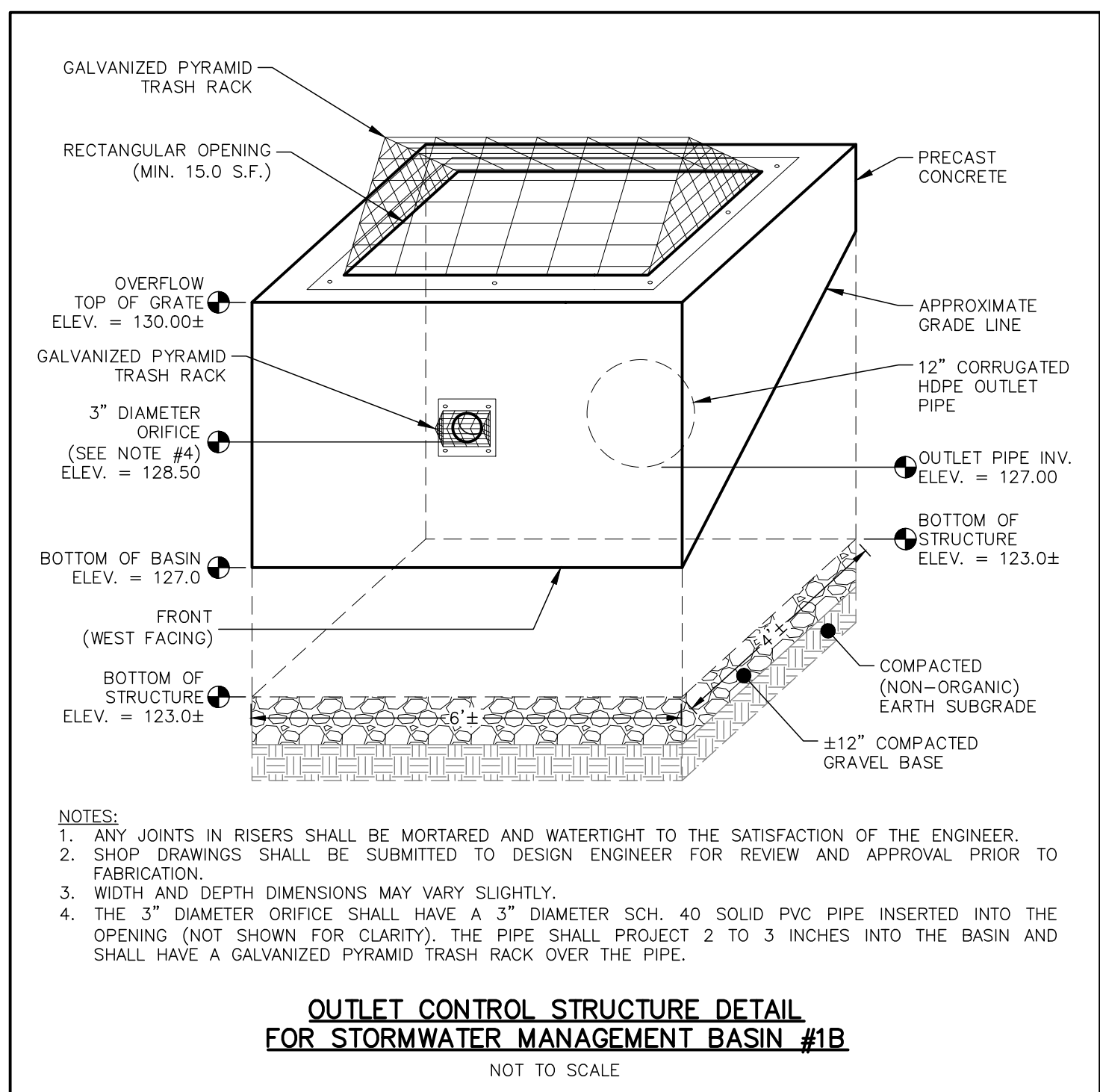
TYPICAL BASIN CROSS-SECTION AT SPILLWAY

TYPICAL SPILLWAY DETAIL

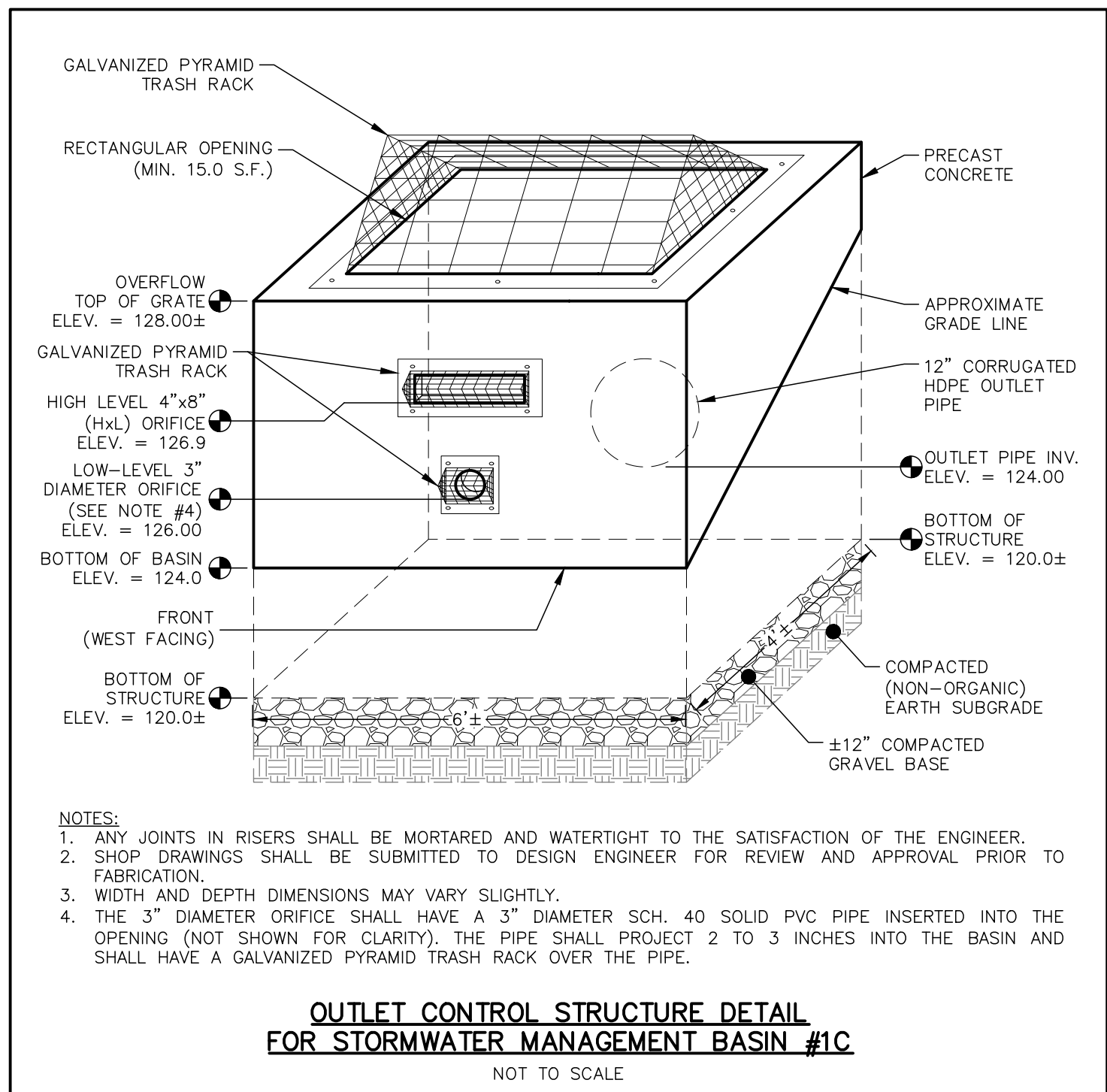
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3. SIDE SLOPES AND TOP OF STORMWATER MANAGEMENT BASIN TO BE SEEDED WITH "PERMANENT SEED MIXTURE" (SEE NOTES ON THIS SHEET) AND MULCHED.
4. INSTALL PLANTINGS ALONG BOTTOM OF BASIN PER "PLANTING SCHEDULE FOR STORMWATER MANAGEMENT BASINS #18 & #1C" ON THIS SHEET. SEE STORMWATER MANAGEMENT BASIN CONSTRUCTION NOTE #8.
5. THE BOTTOM OF THE BASIN SHALL BE OVER EXCAVATED 12 INCHES AND A 12-INCH BIOFILTRATION SOIL MIX SHALL BE INSTALLED ALONG THE ENTIRE BOTTOM OF THE STORMWATER MANAGEMENT BASIN. THE BIOFILTRATION MIX SHALL CONSIST OF 50-60% SAND, 20-30% TOPSOIL, AND 20-30% WOOD-POSS-FREE LEAF COMPOST OR EQUIVALENT. THE BIOFILTRATION MIX AND UNDERLYING SOILS SHALL NOT BE COMPACTED.

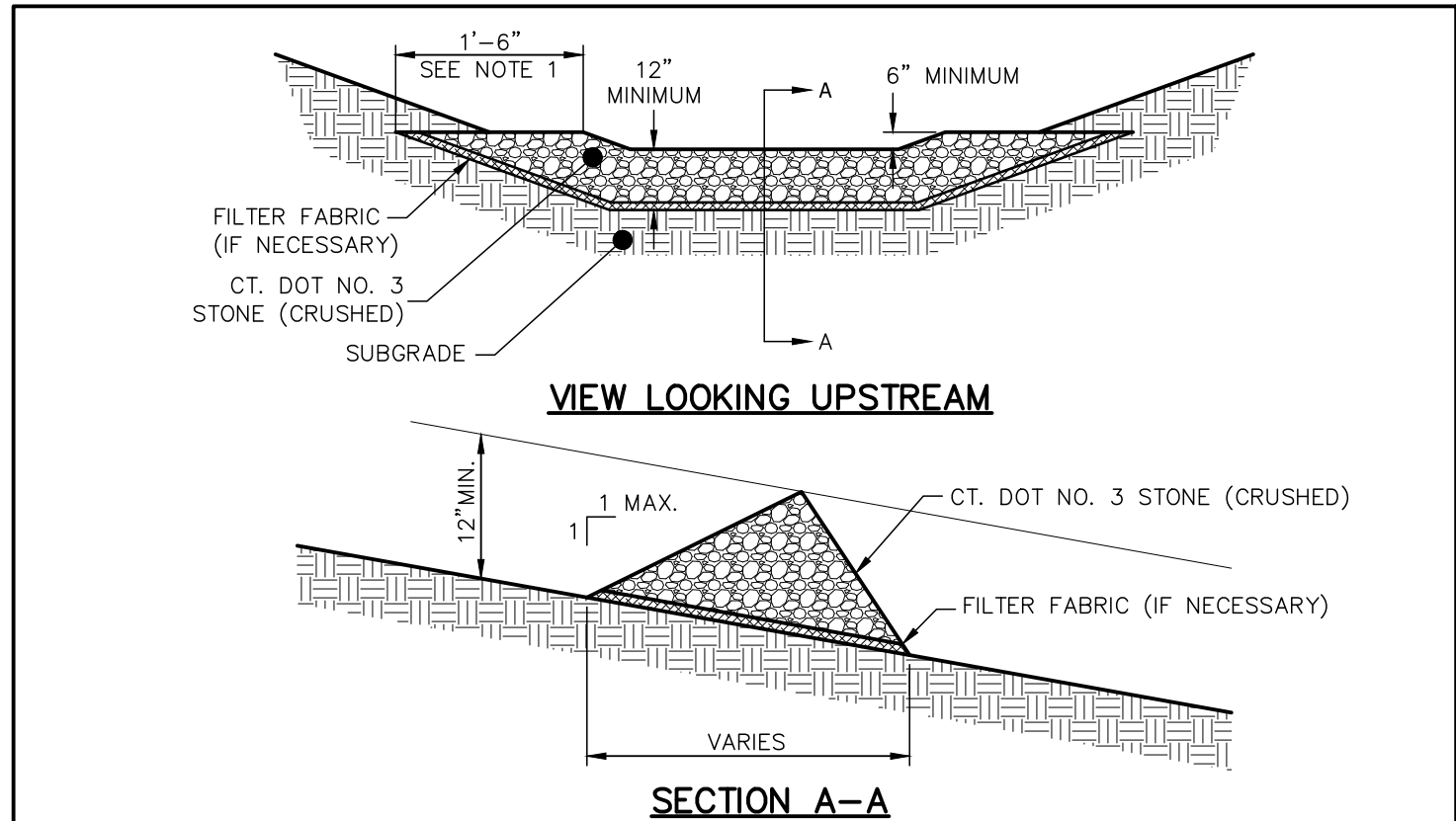
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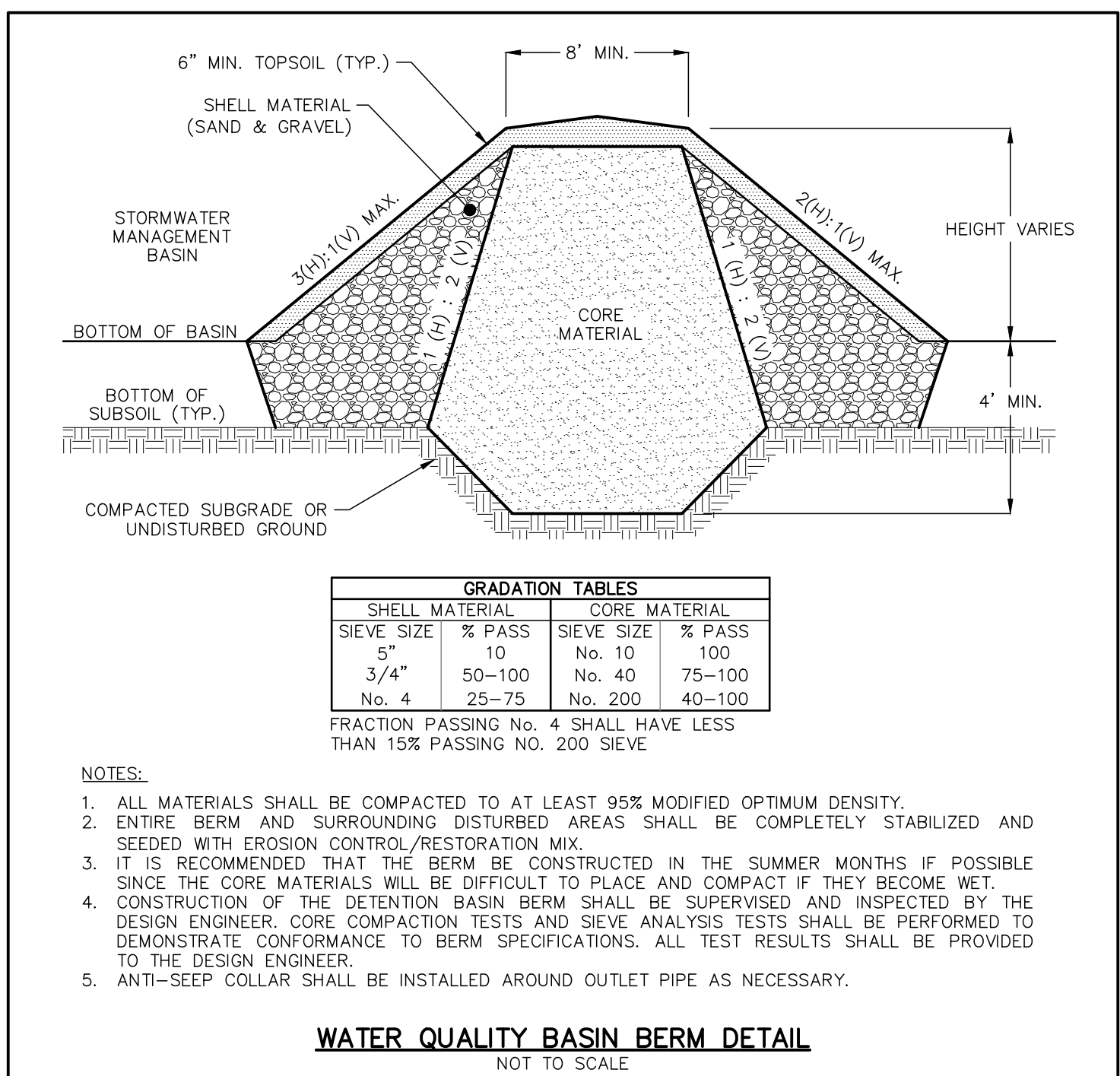
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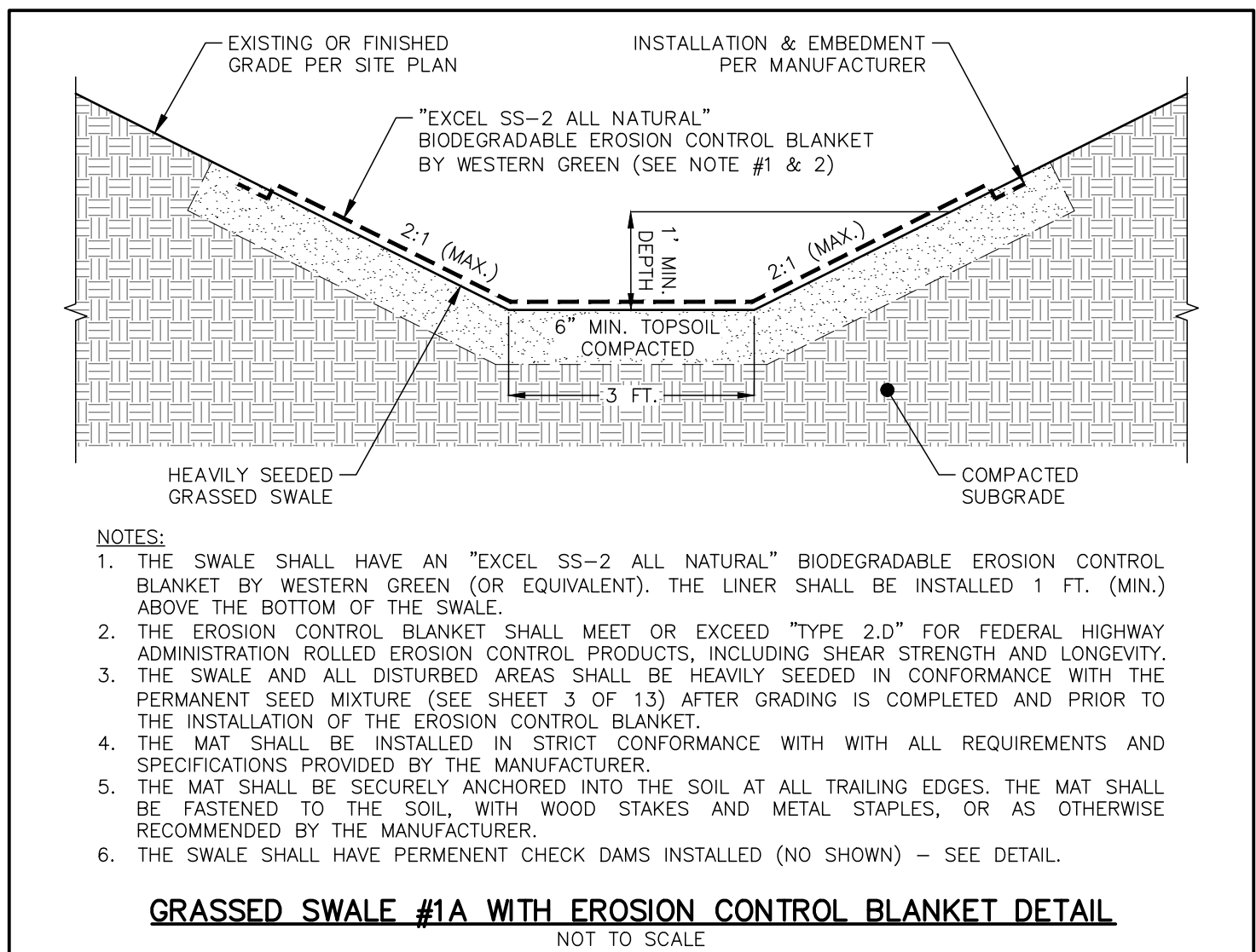
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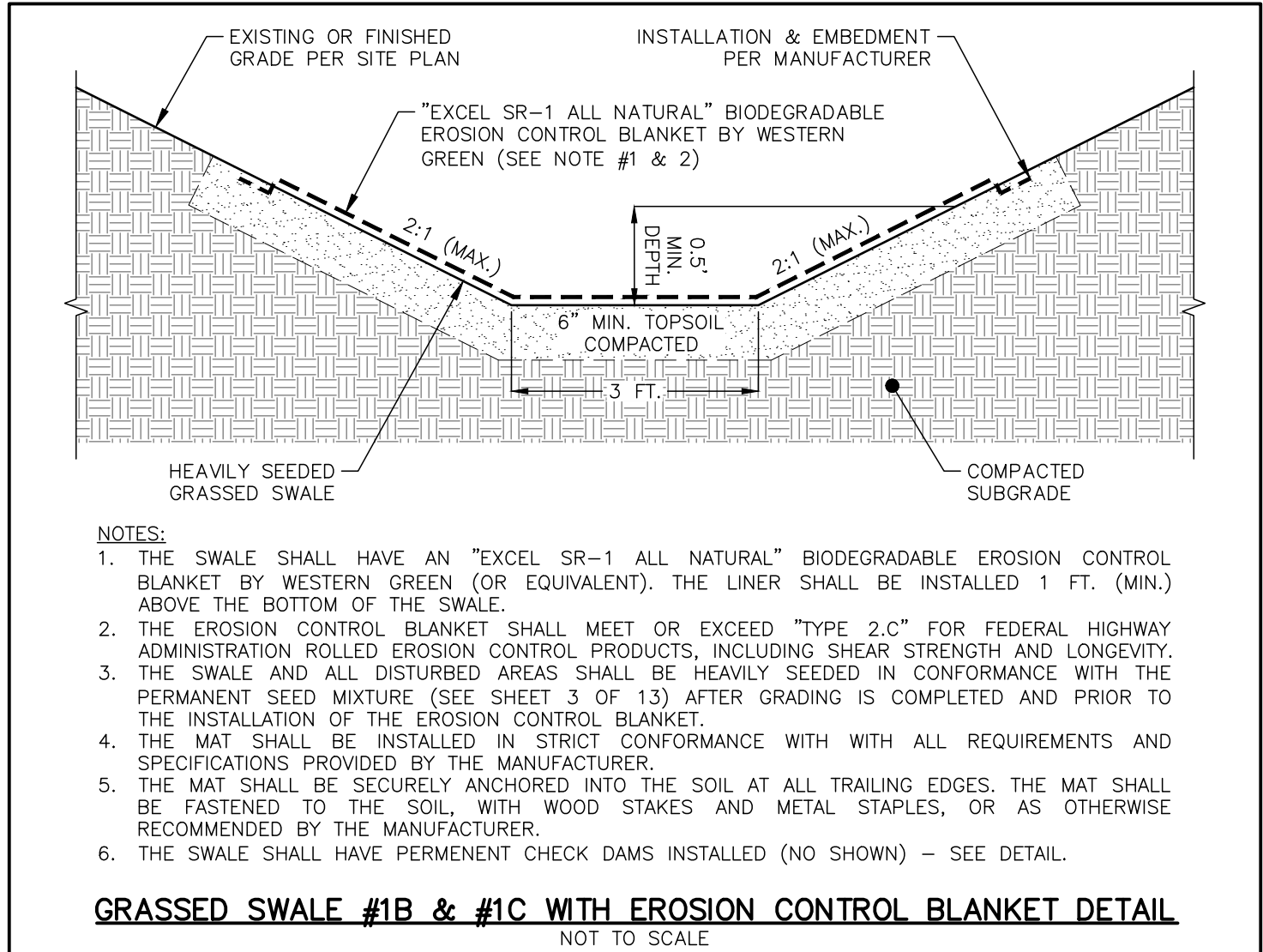
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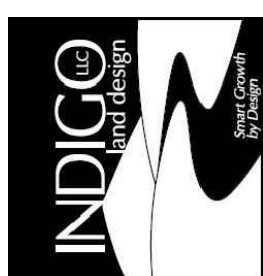


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PLAN PREPARED BY:
INDIGO LAND DESIGN, LLC
JOSEPH WREN, P.E.
CT REG. NO. 21090
40 ELM STREET, 2ND FLOOR
OLD SAYBROOK, CT 06475
PHONE: (860) 388-9343
WEB: INDIGO-LAND.COM



**NOT FOR
CONSTRUCTION
UNTIL THIS NOTICE
IS REMOVED**

4	8/28/2024	REVISIONS FOR PLANNING & ZONING SUBMITTAL	RG
3	7/31/2024	O&M REVISIONS PER TOWN COMMENTS, MSC.	RG
2	7/23/2024	REVISIONS PER TOWN COMMENTS, MSC.	RG
1	7/17/2024	REVISIONS PER TOWN COMMENTS, MSC.	RG
0	6/6/24	RECEPTION	RG

CONSTRUCTION DETAILS (STORMWATER AND E&S CONTROL)

PREPARED FOR 1721, LLC
AVENUE PARKWAY & 23B OLD NORWICH ROAD
TAX MAP 76 LOTS 10164 & 5600
WATERFORD, CONNECTICUT

DATE:
MAY 21, 2024

SCALE:
AS NOTED

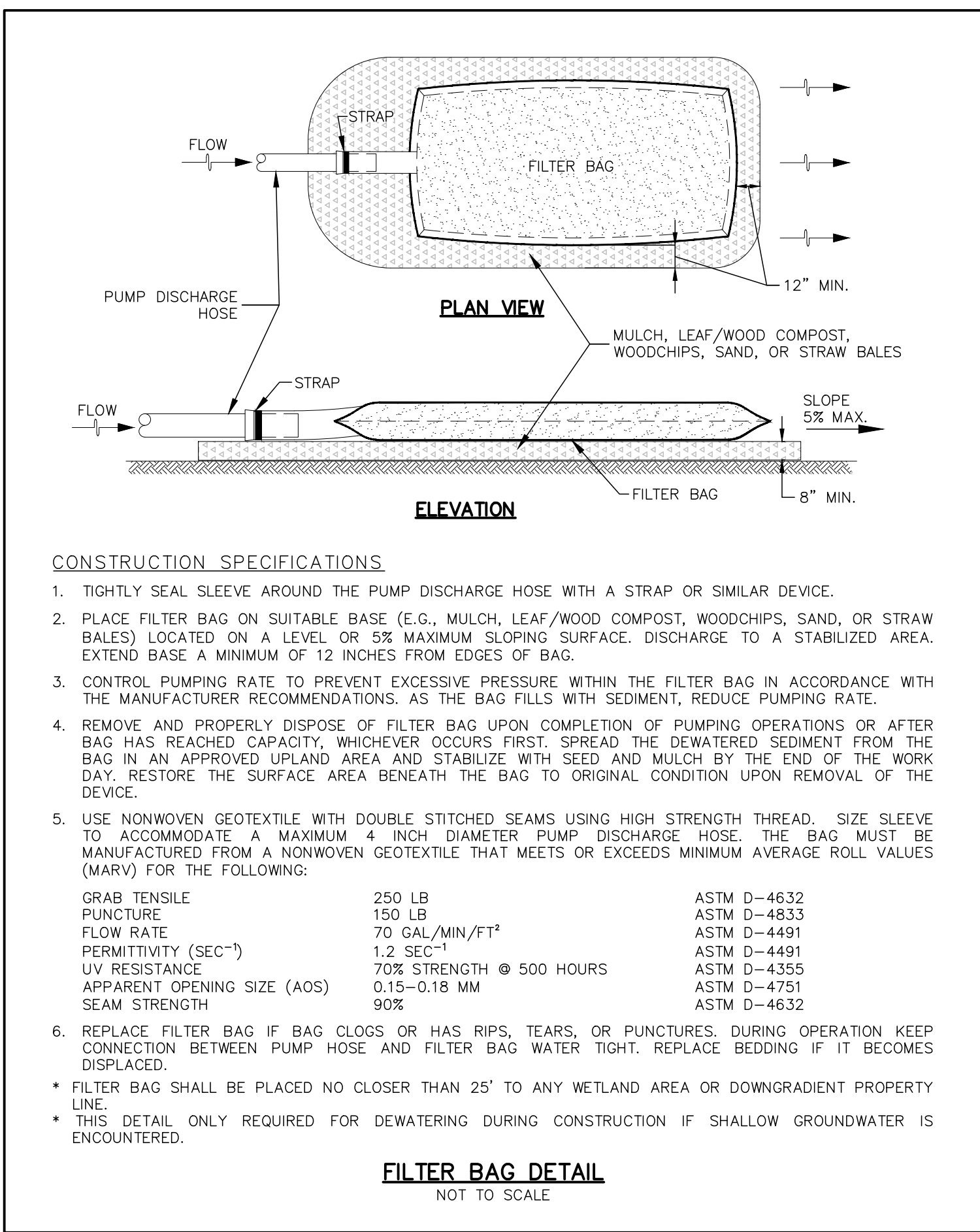
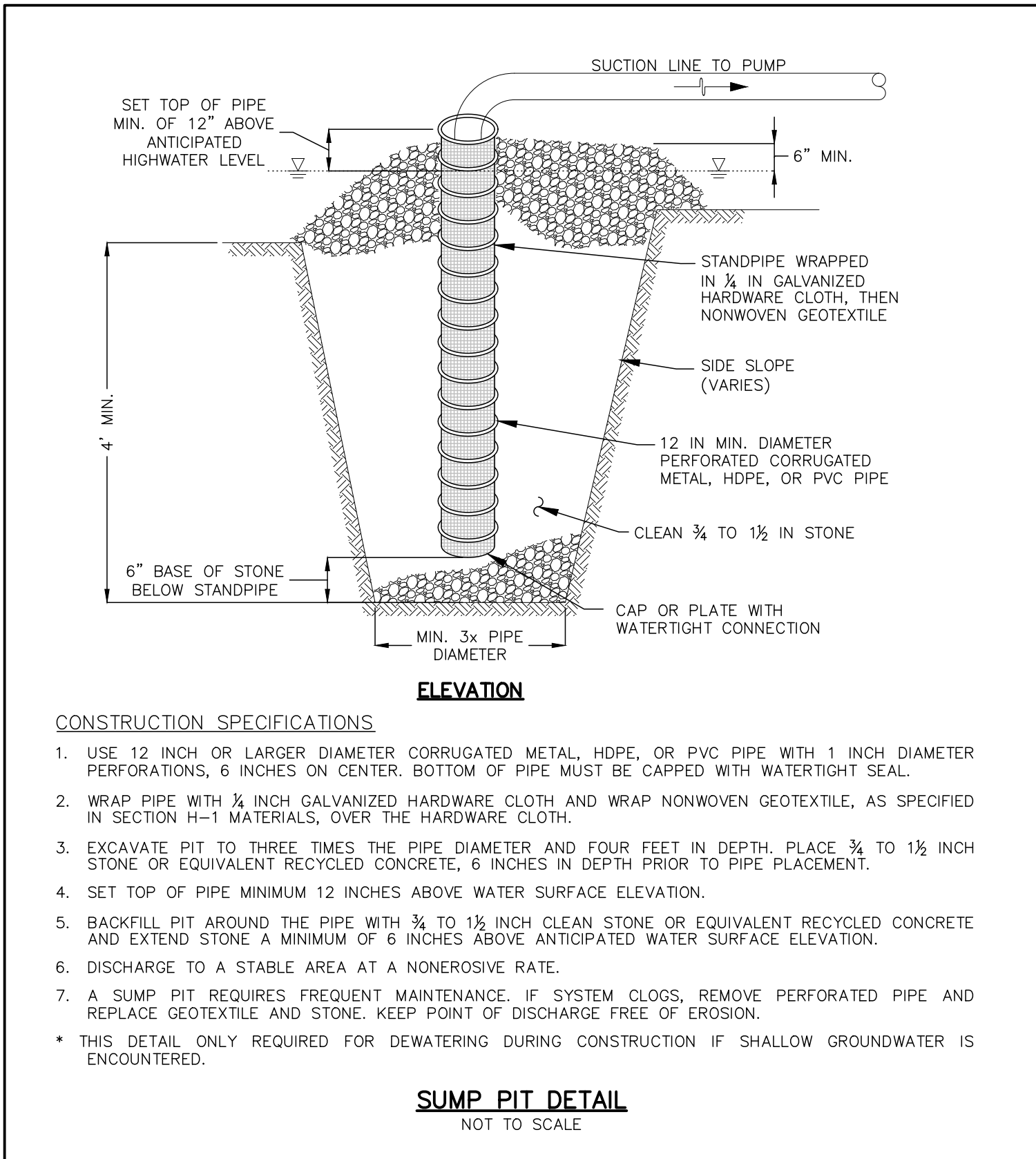
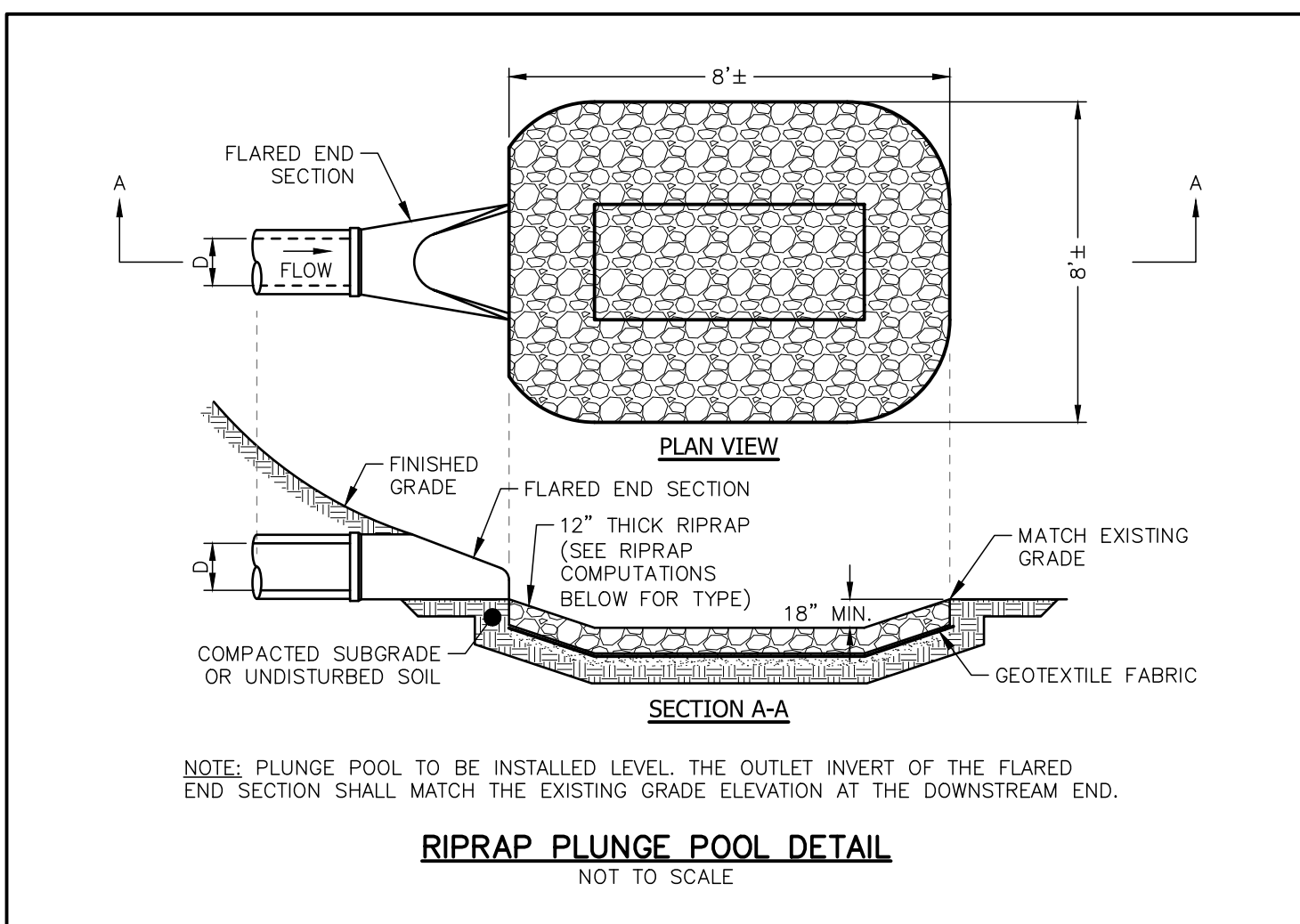
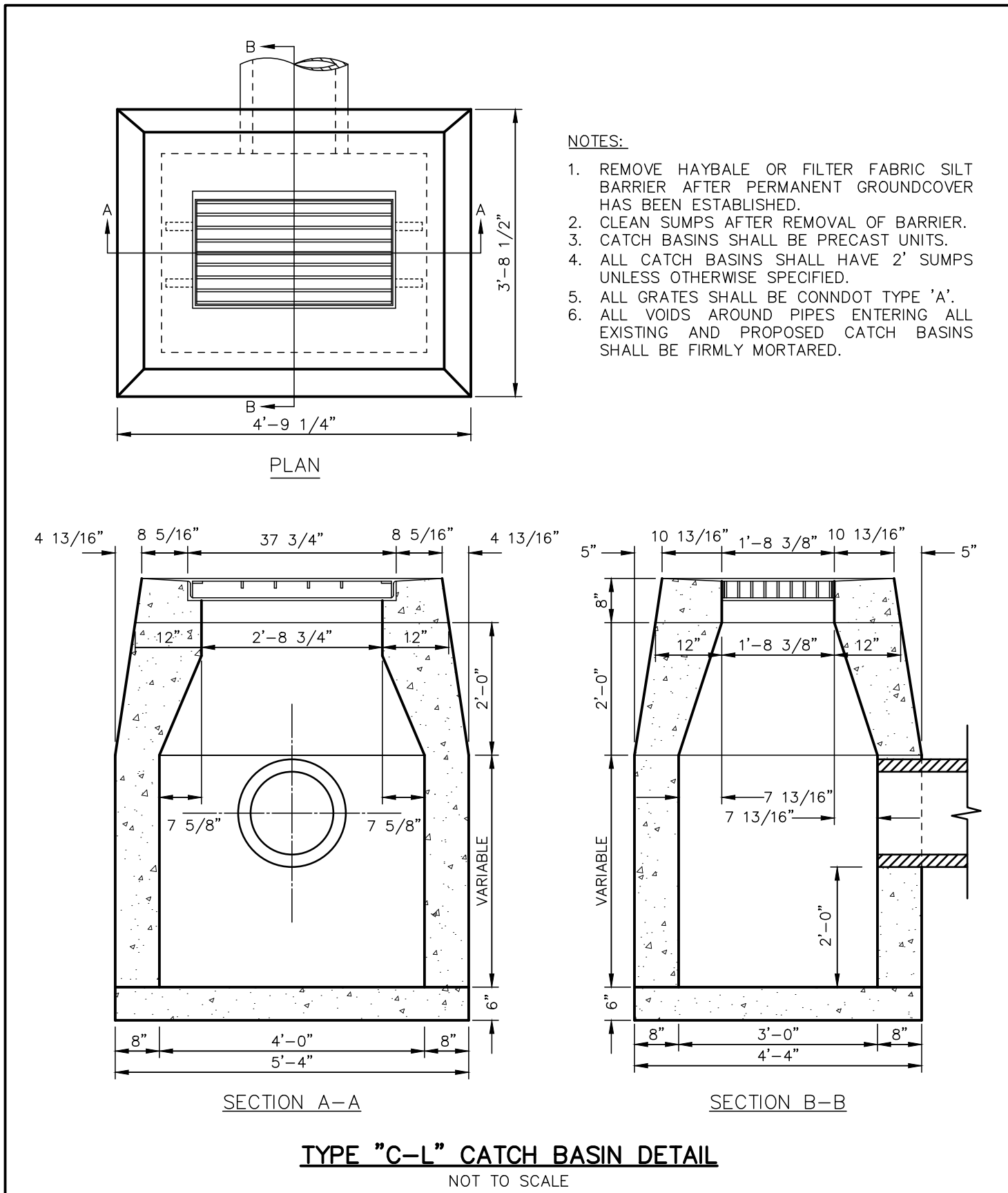
DRAWN BY:
CO, MA, RG, RM

CHECKED BY:
JW

DWG. NO.: CD-1

SHEET NO.:
13 of 19

JOB. NO.:
2023-922



FLARE PIPE

DETAIL "A"

SECTION "Y"

END VIEW

PLAN

SECTION "X"

END VIEW

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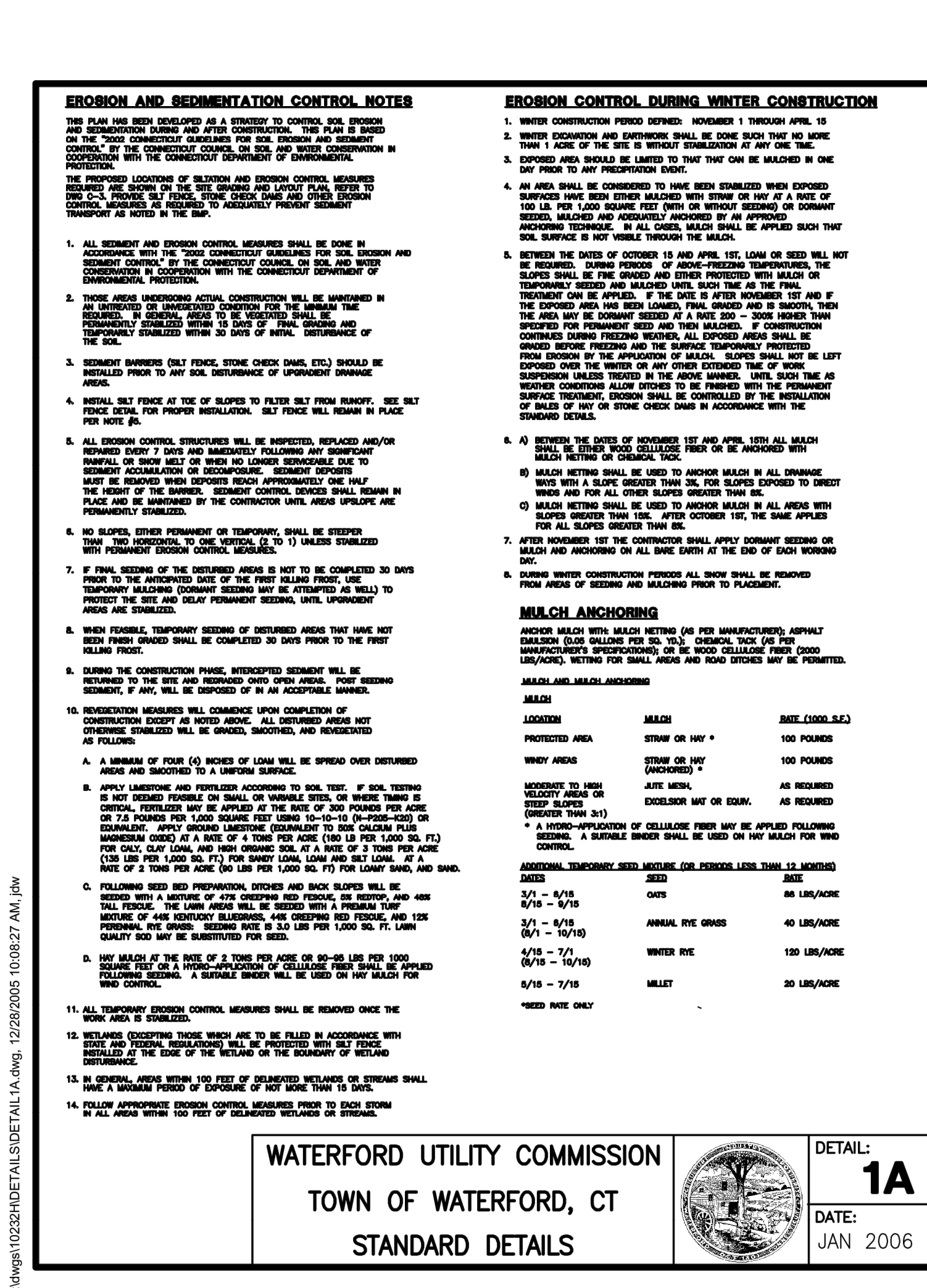
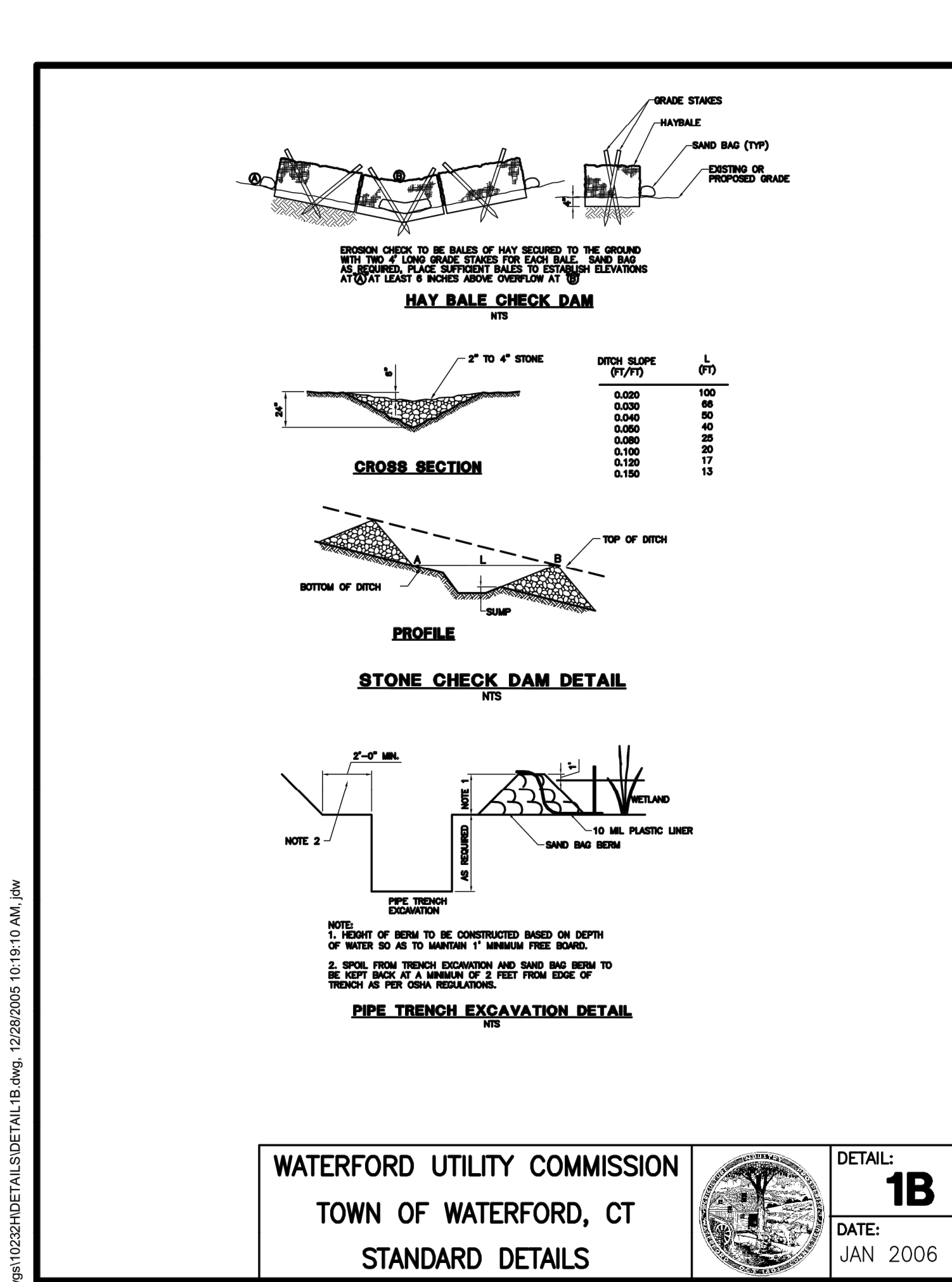
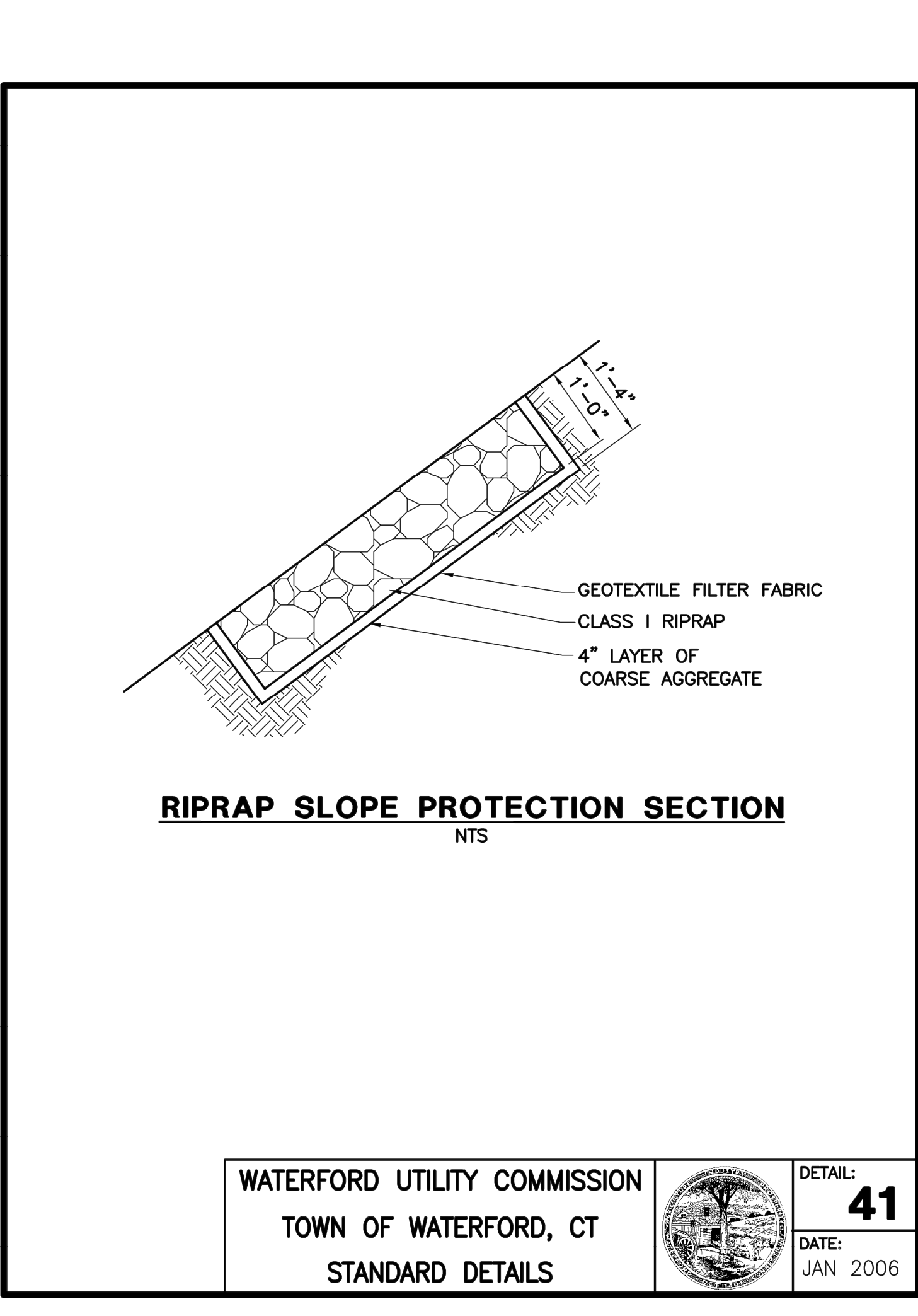
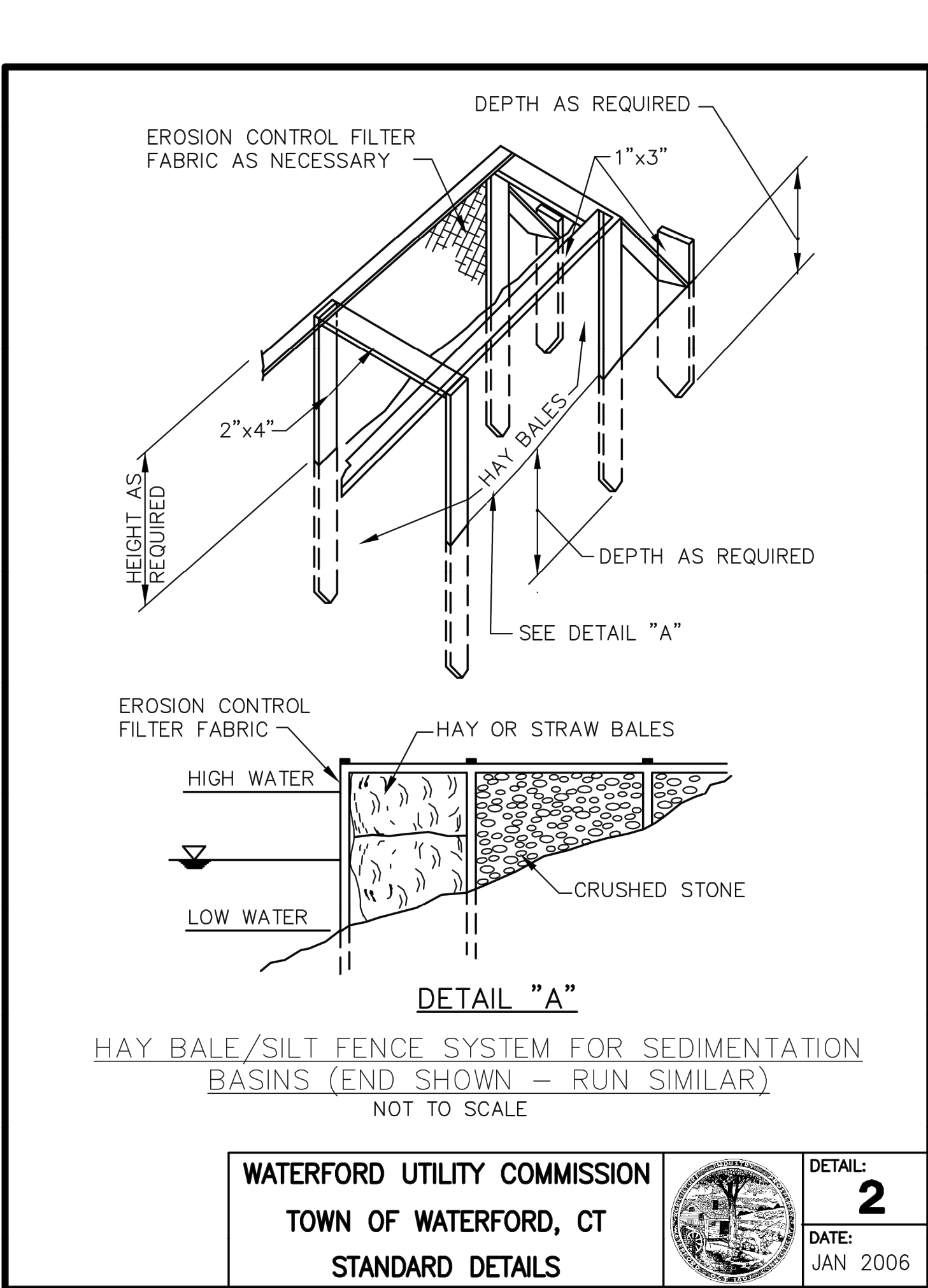
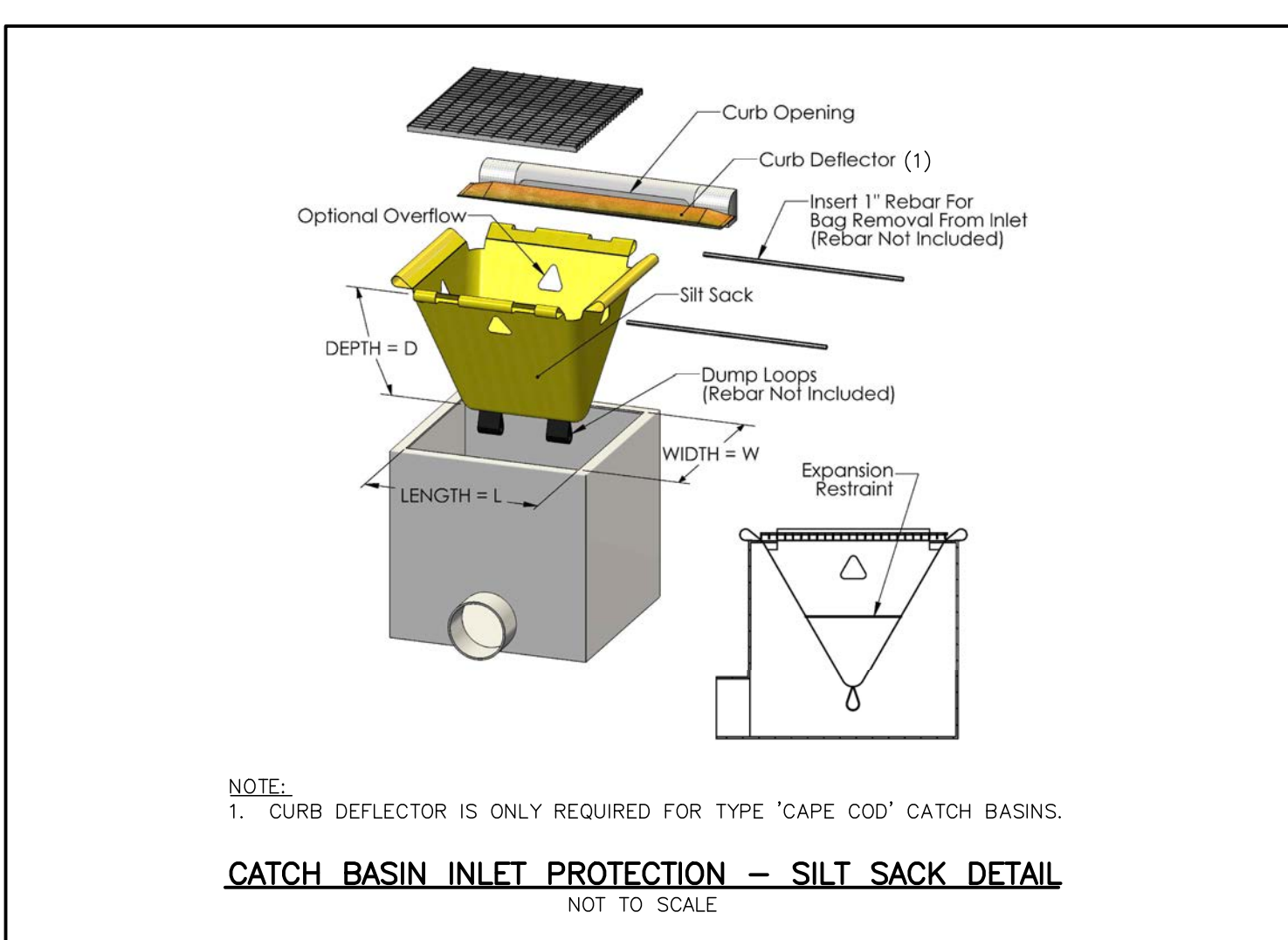
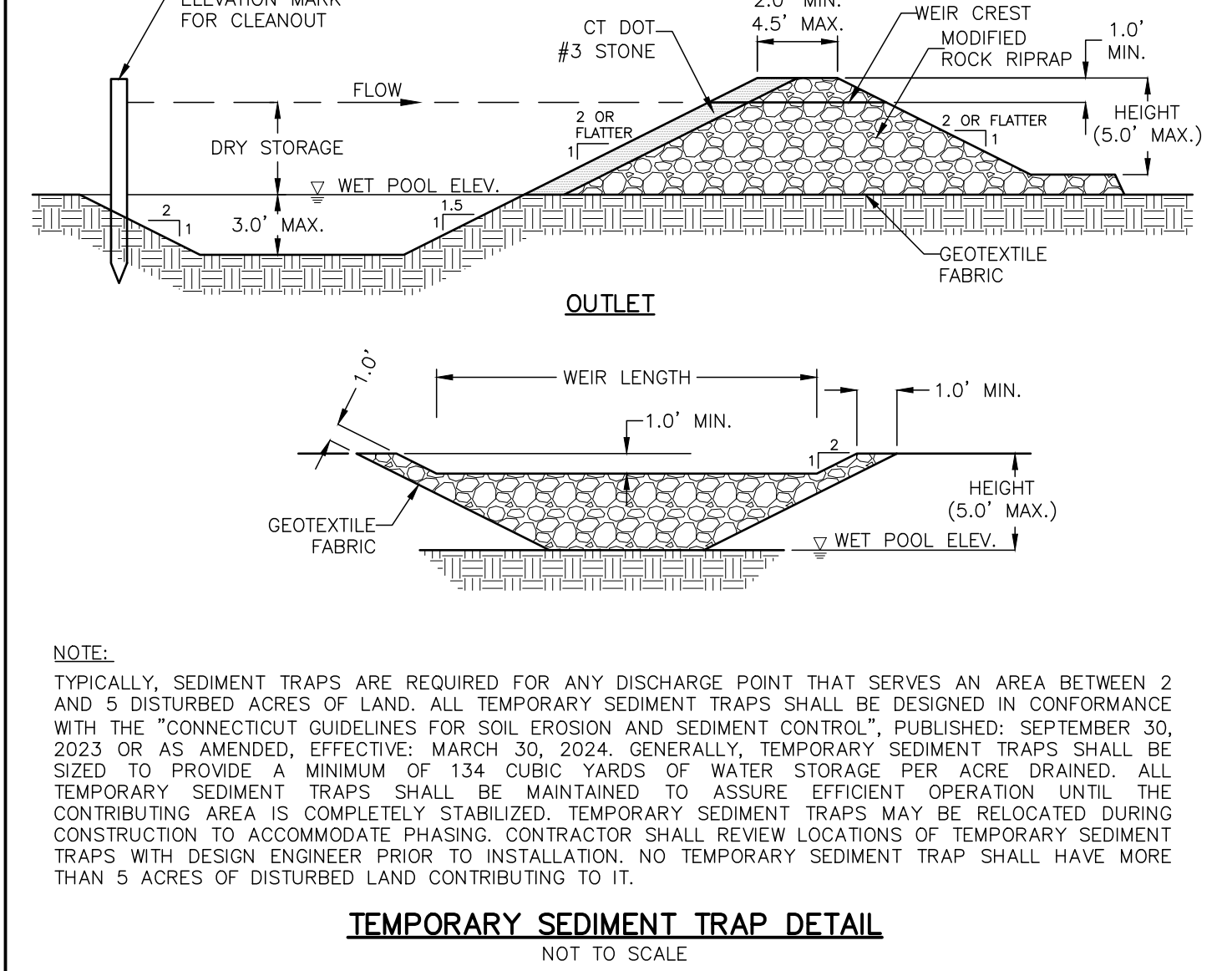
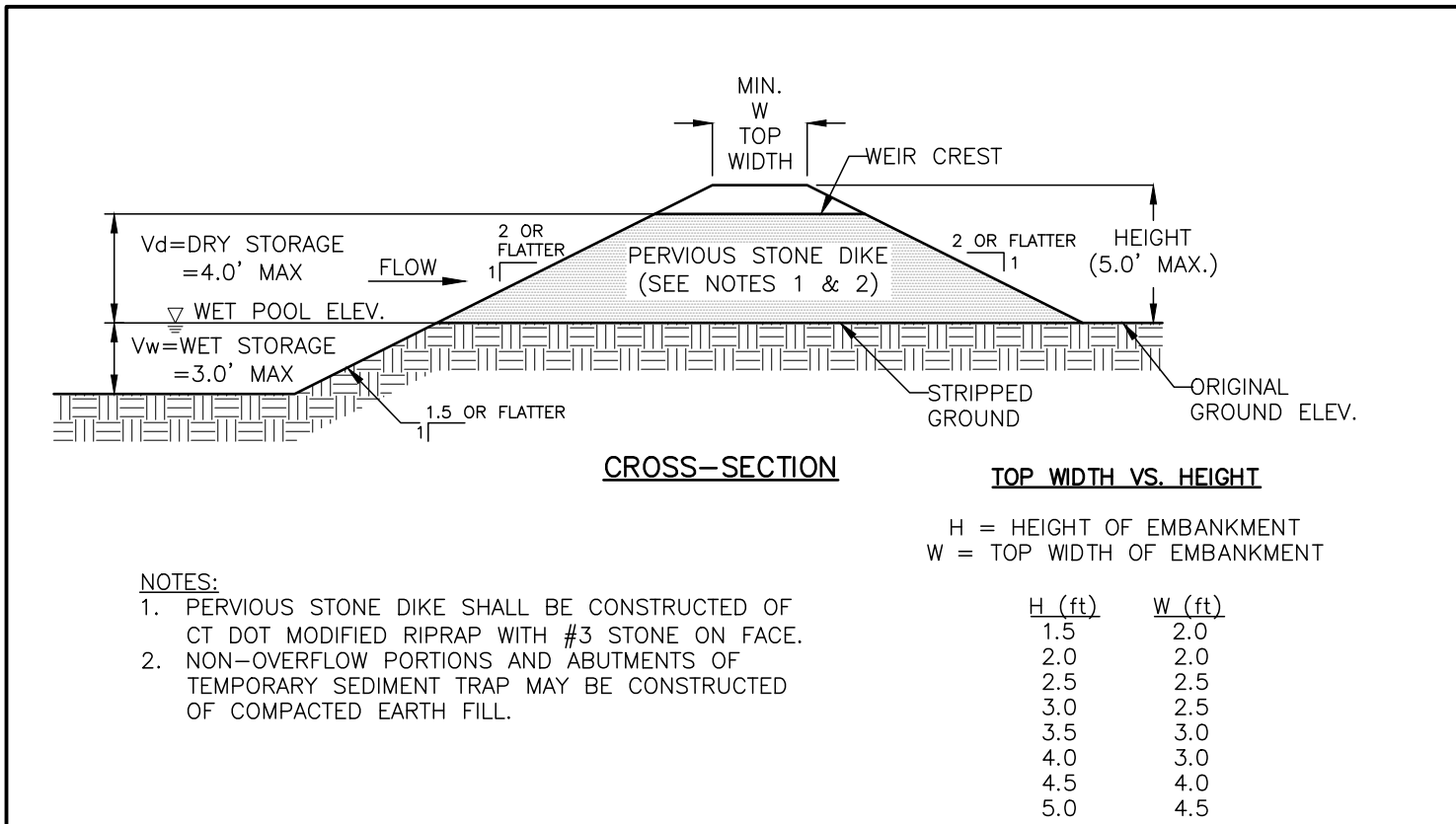
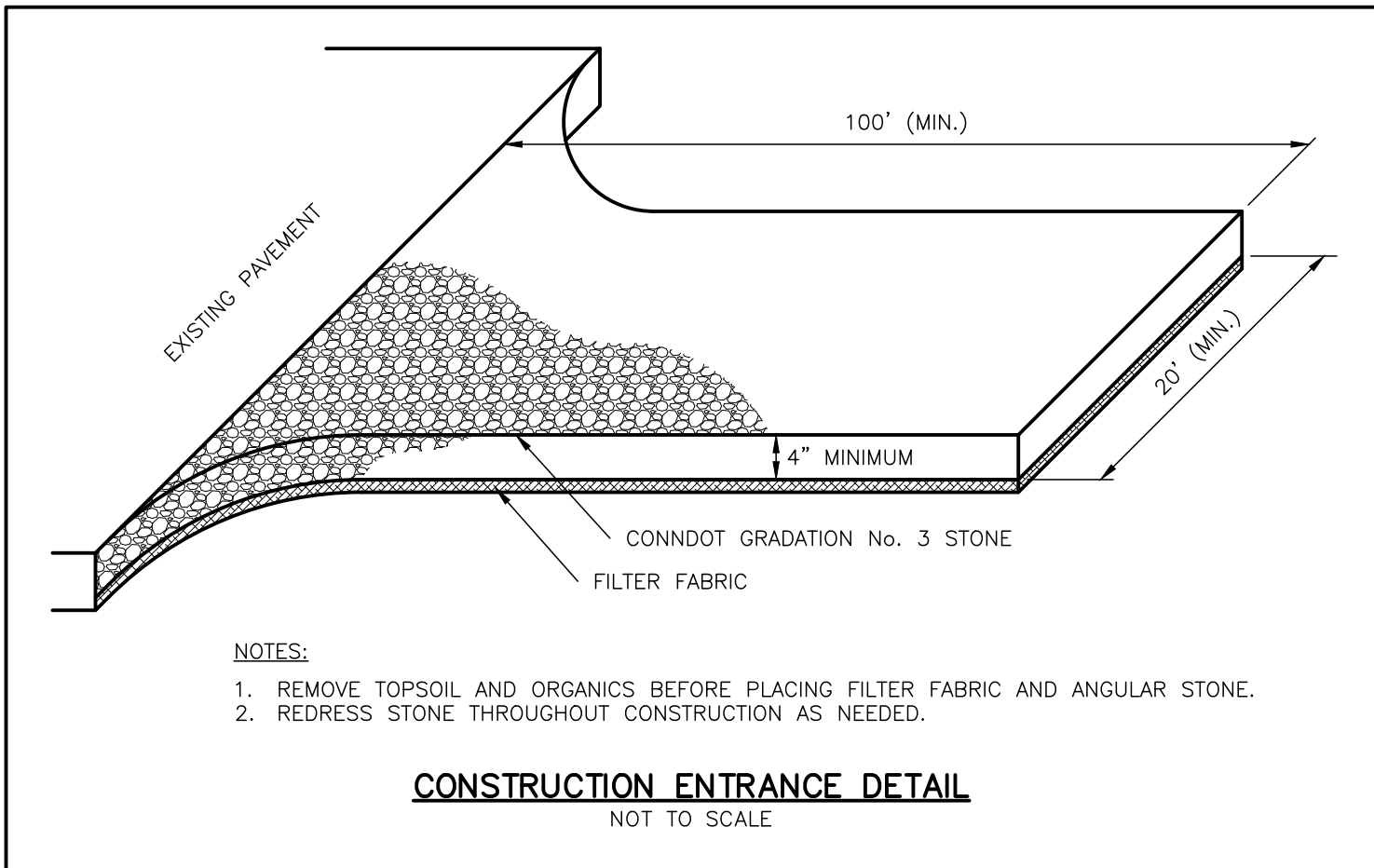
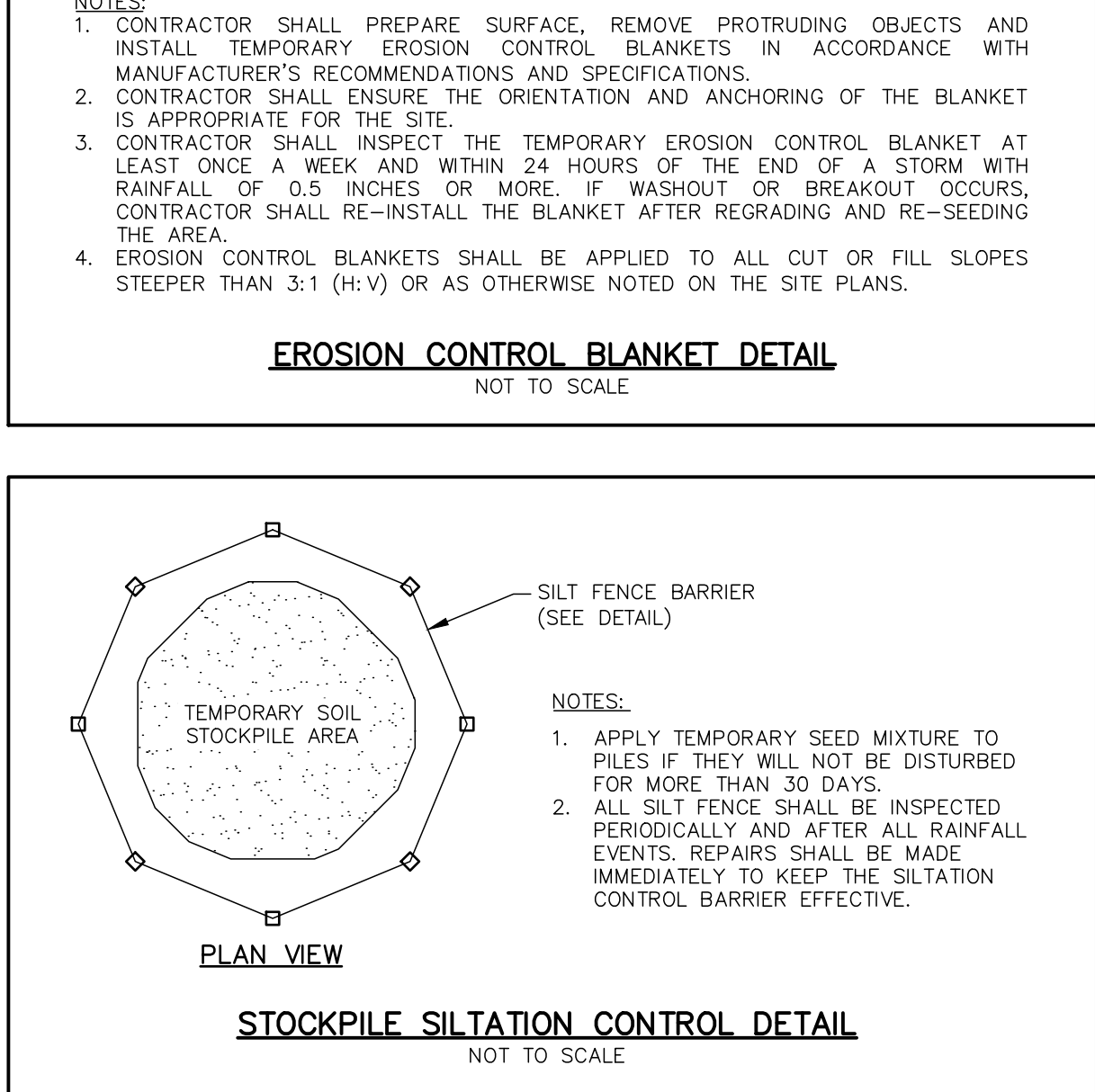
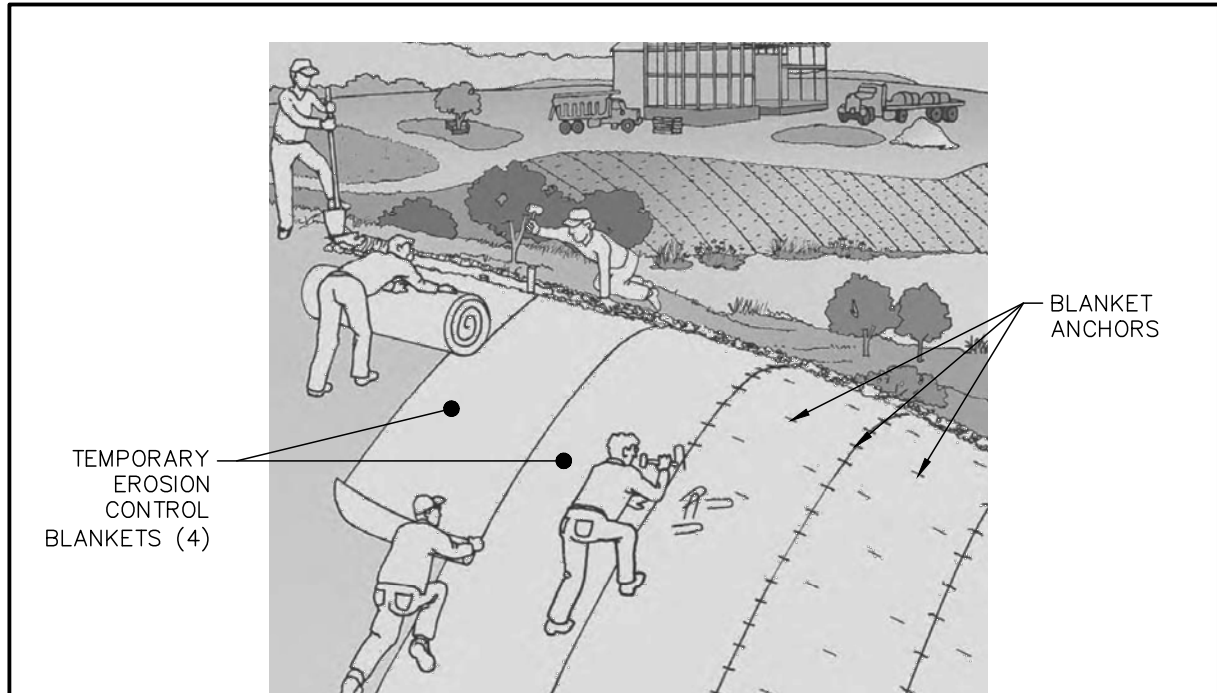
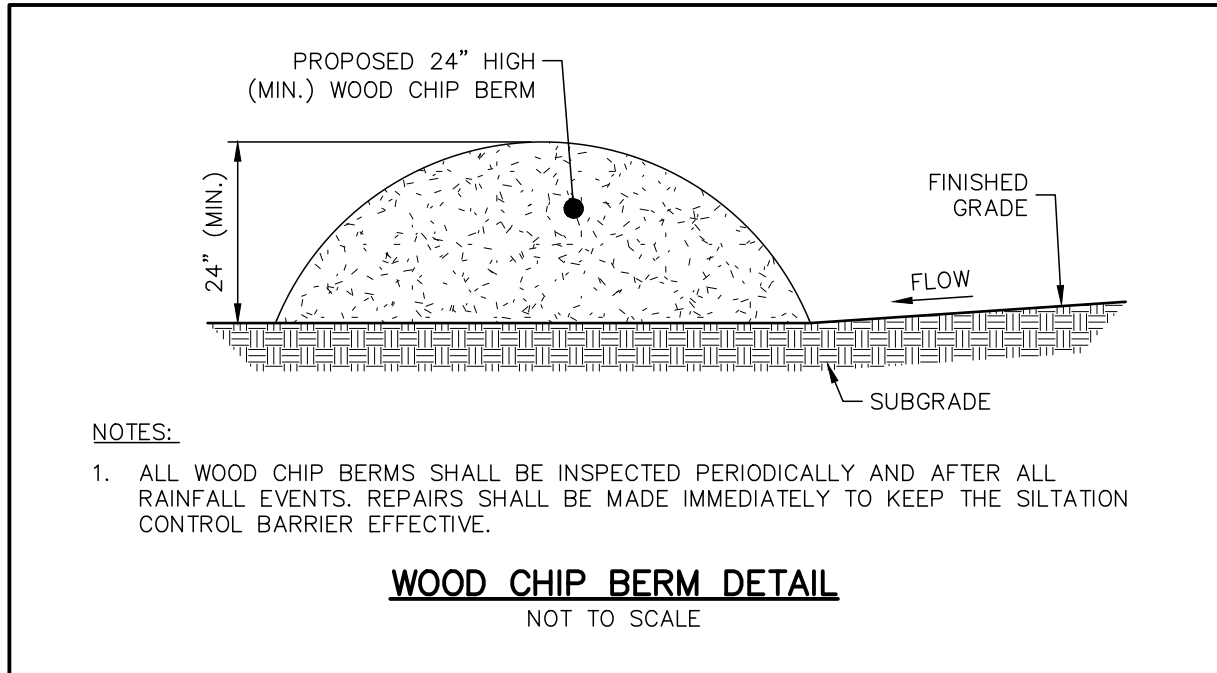
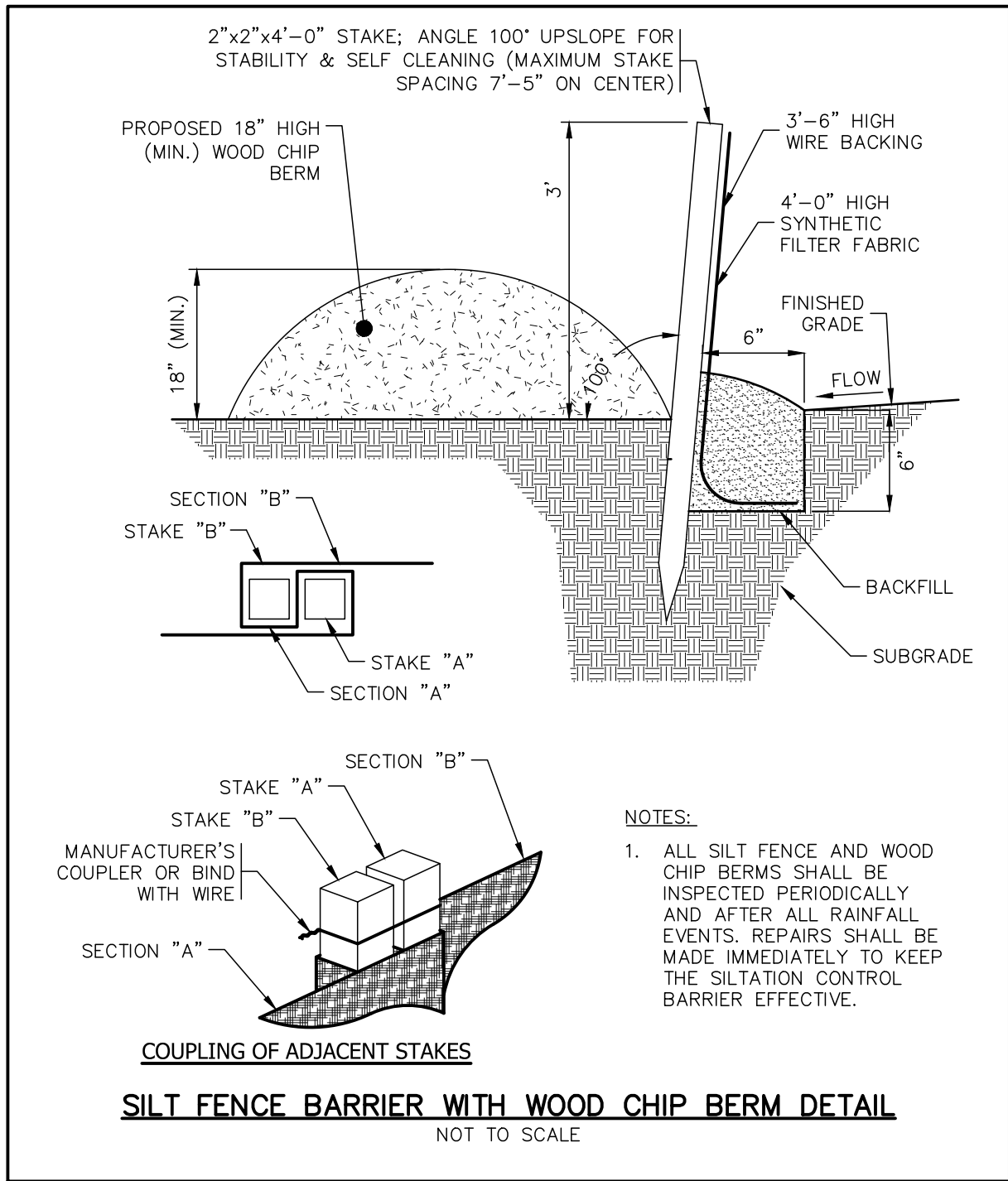
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PLAN PREPARED BY:
INDIGO LAND DESIGN, LLC
JOSEPH WREN, P.E.
CT REG. NO. 21090
10 E. STREET, 2ND FLOOR
NEW HAVEN, CT 06511
PHONE: (860) 388-9343
WEB: INDIGO-LAND.COM

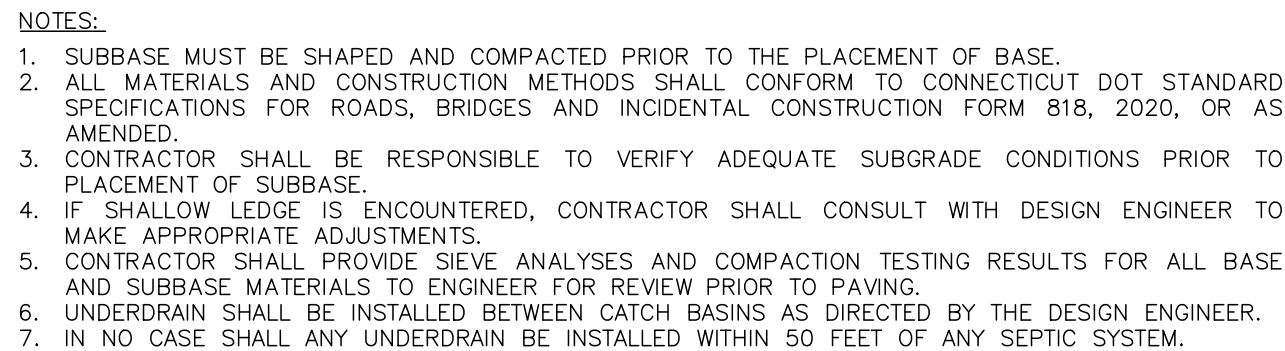
NOT FOR CONSTRUCTION UNTIL THIS NOTE IS REMOVED

#	DATE	DESCRIPTION	BY
1	8/28/2024	REVISIONS FOR PLANNING & ZONING SUBMITTAL	RG
2	7/31/2024	OMA REVISIONS PER TOWN COMMENTS, MISC.	RG
3	7/23/2024	REVISIONS PER TOWN COMMENTS, MISC.	RG
4	7/17/2024	REVISIONS PER TOWN COMMENTS, MISC.	RG

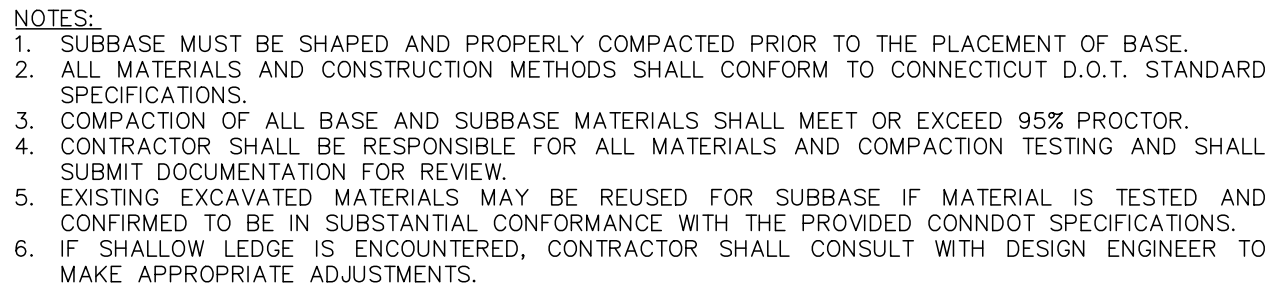
CONSTRUCTION DETAILS (STORMWATER AND E&S CONTROL)

PREPARED FOR 1721, LLC
430 MOHEGAN AVENUE PARKWAY & 23B OLD NORWICH ROAD
TAX MAP 76 LOTS 10164 & 5600
WATERFORD, CONNECTICUT

DATE: MAY 21, 2024
SCALE: AS NOTED
DRAWN BY: BOGAMA, RG, RM
CHECKED BY: JW
DWG. NO.: CD-3
SHEET NO.: 15 of 19
JOB NO.: 2023-922



TYPICAL PRIVATE ROAD SECTION DETAIL
NOT TO SCALE



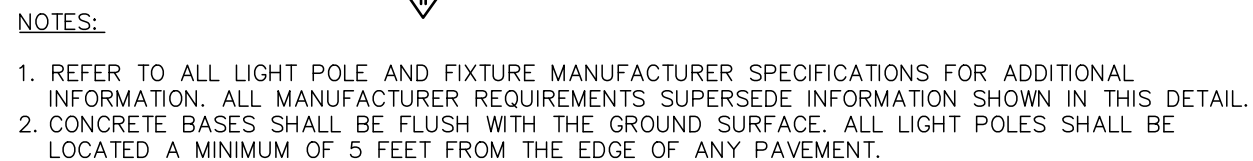
TYPICAL PAVEMENT SECTION DETAIL
NOT TO SCALE



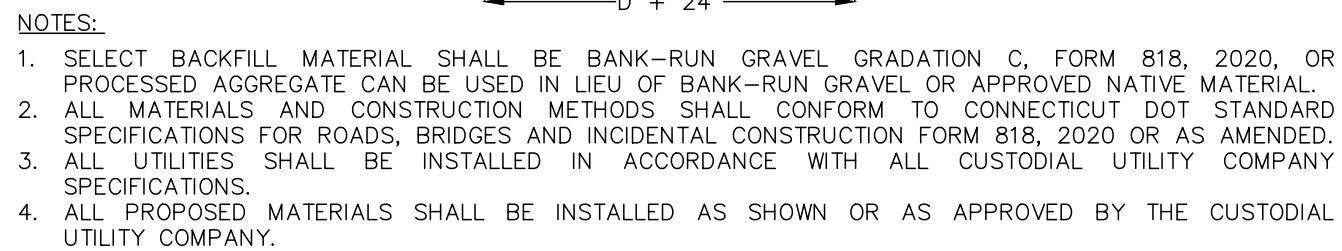
1. STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-B1 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A176 CARBON STEEL, TEE RAIL HAVING NOMINAL WEIGHT OF 91.1BS OR GREATER PER LINEAR YARD. STEEL FOR DELTAUTER POSTS SHALL BE ASTM A36 STEEL.
2. AFTER FABRICATION, ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A 123.
3. ALL SIGN POSTS SHALL HAVE "BREAKAWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS-1985". THE "BREAKAWAY" FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 70 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
4. TYPE A POSTS = 3 LB/FT TYPE B POSTS = 4 LB/FT



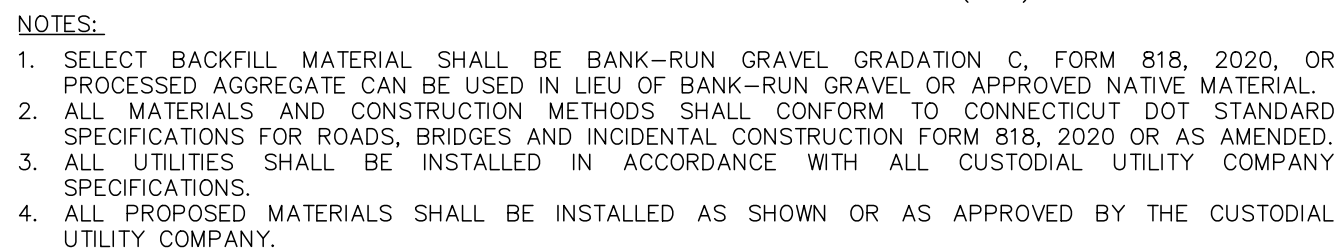
CT DOT BREAKAWAY POST DETAIL
NOT TO SCALE



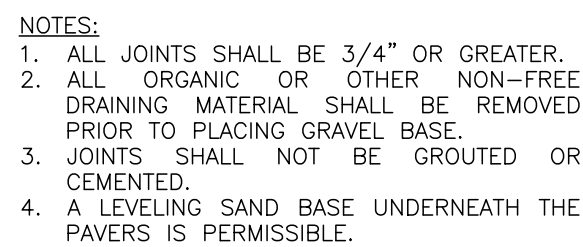
LIGHT POLE CONCRETE BASE DETAIL
NOT TO SCALE



TYPICAL TRENCH DETAIL
NOT TO SCALE



TYPICAL UNDERGROUND UTILITY TRENCH CROSS SECTION
NOT TO SCALE



PERVIOUS PAVER WALKWAY DETAIL
NOT TO SCALE

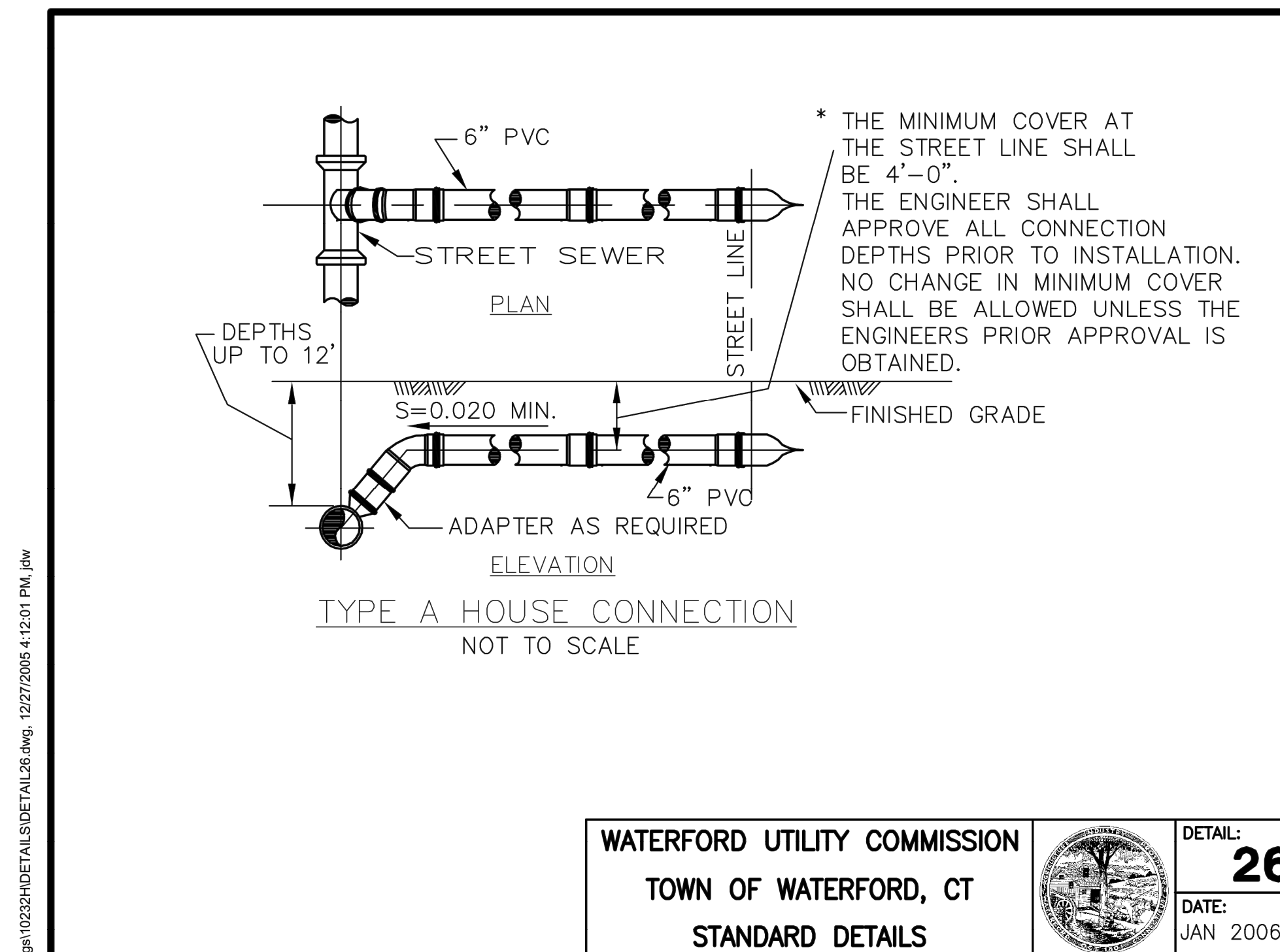
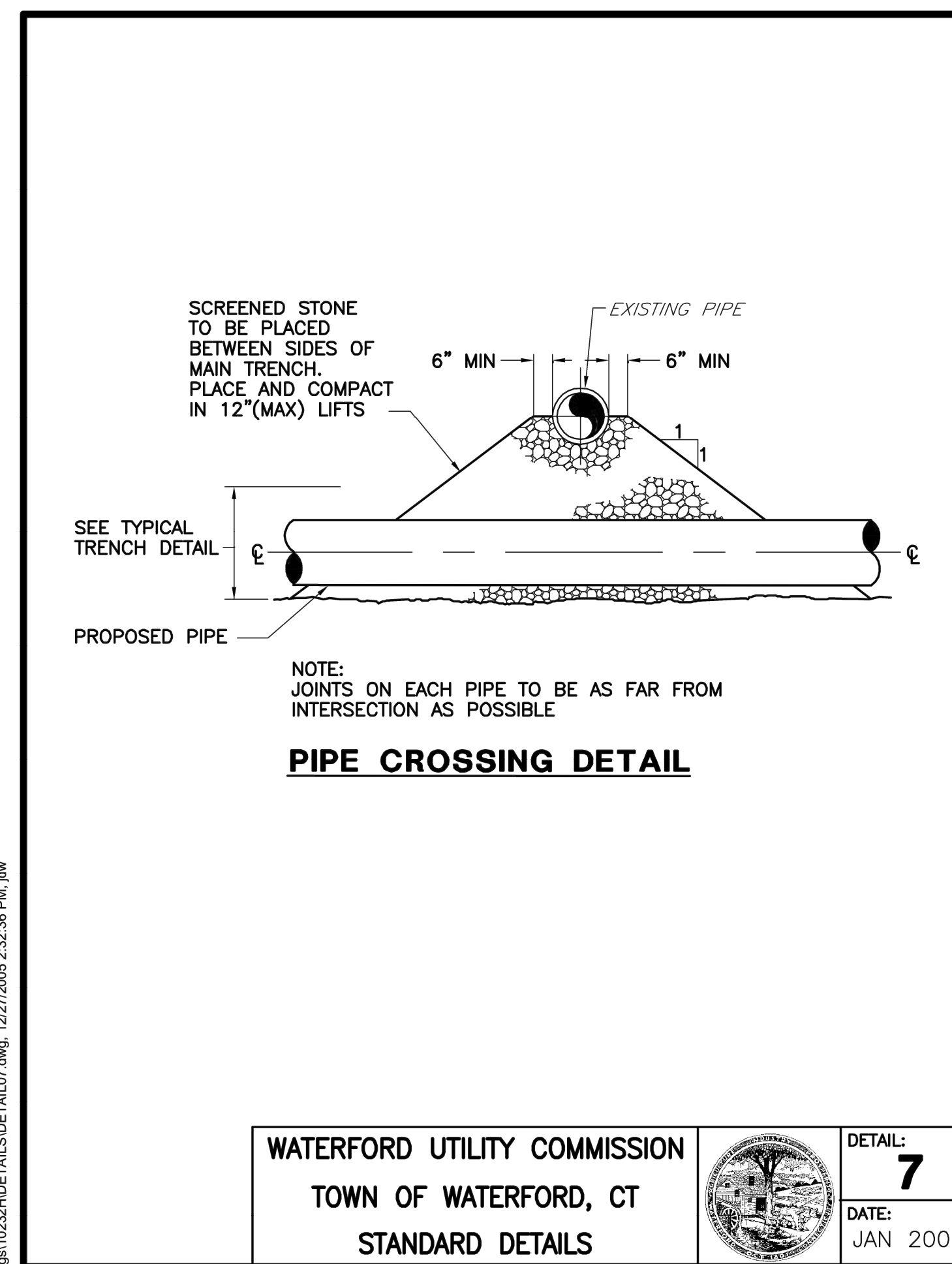
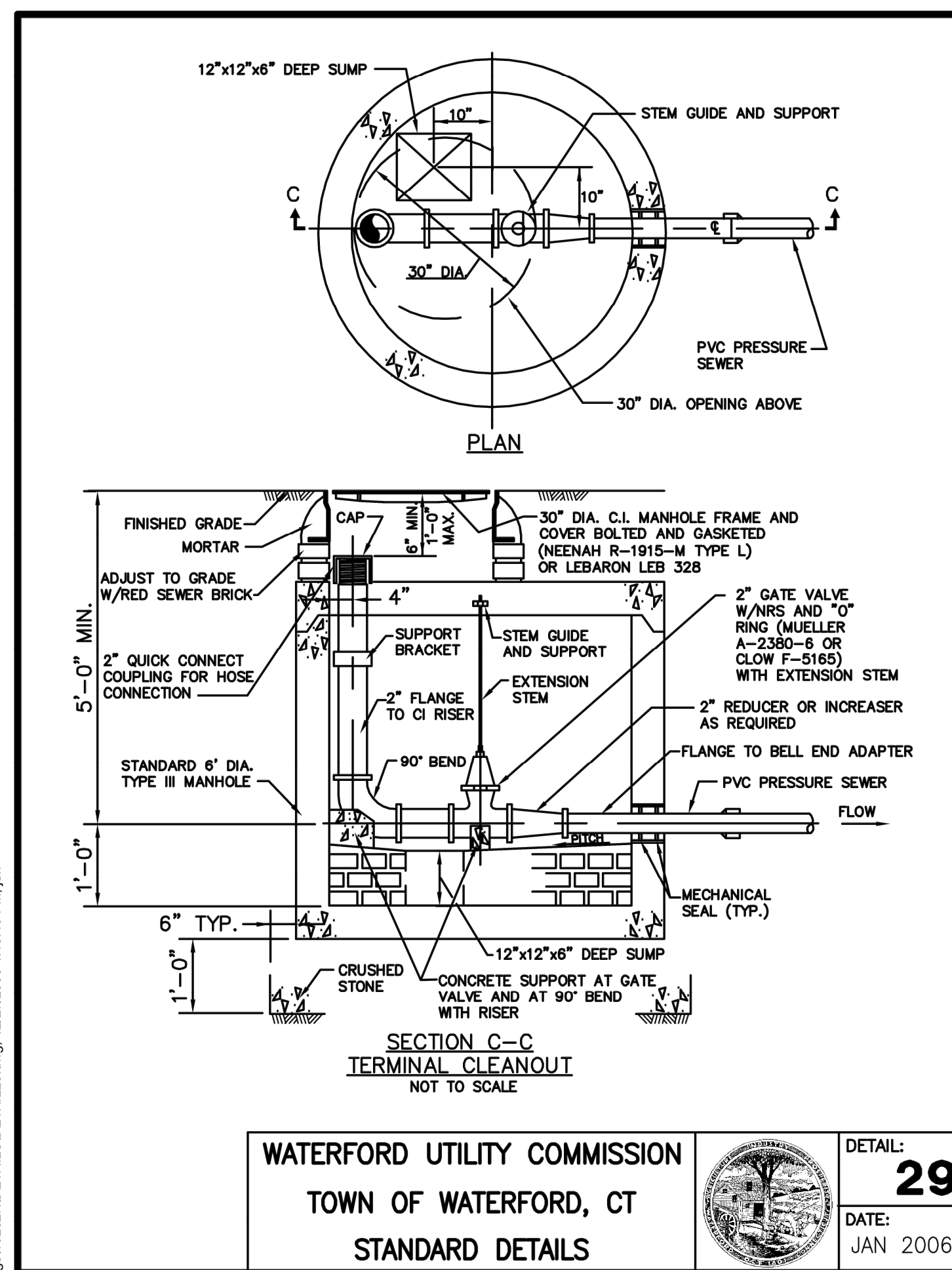
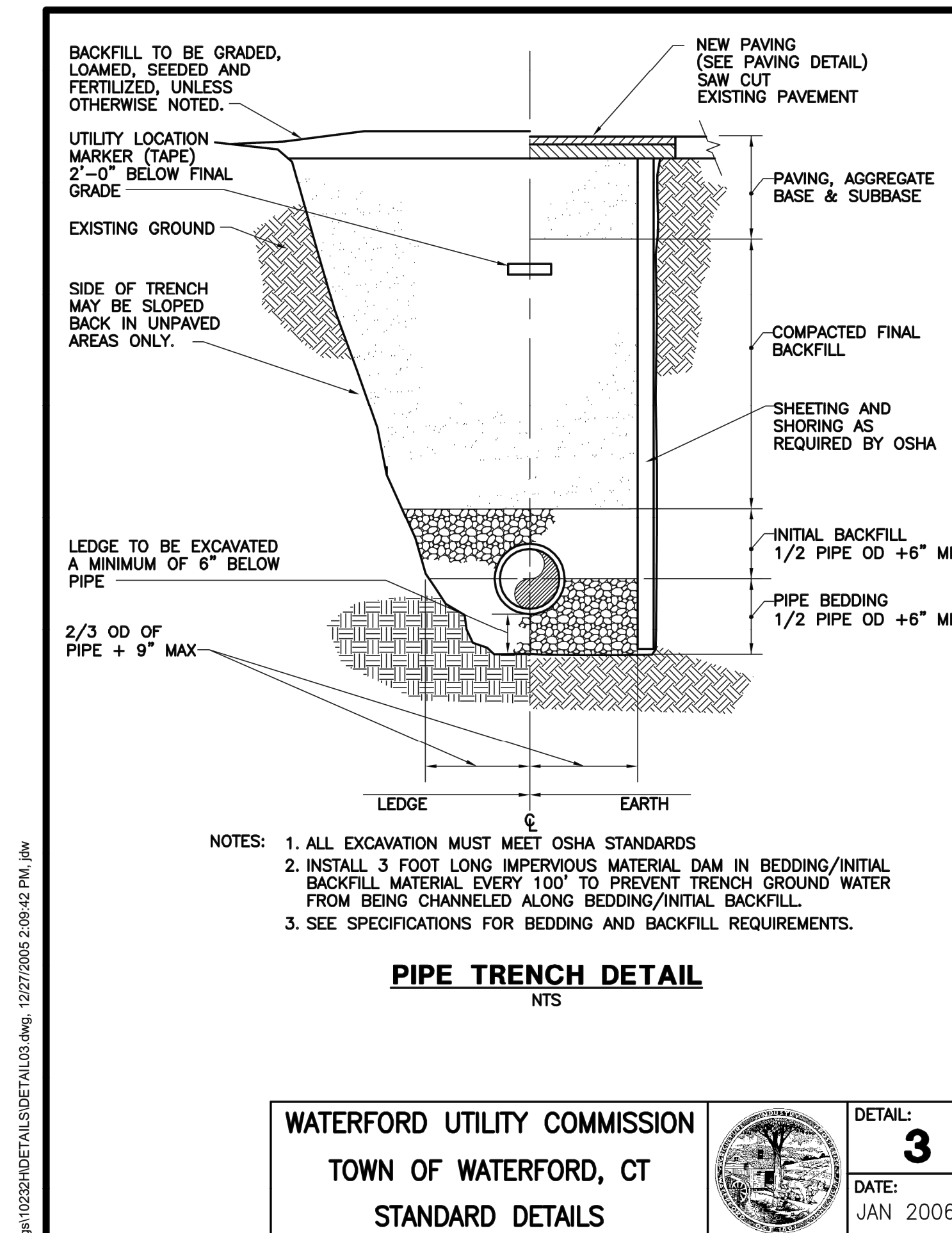
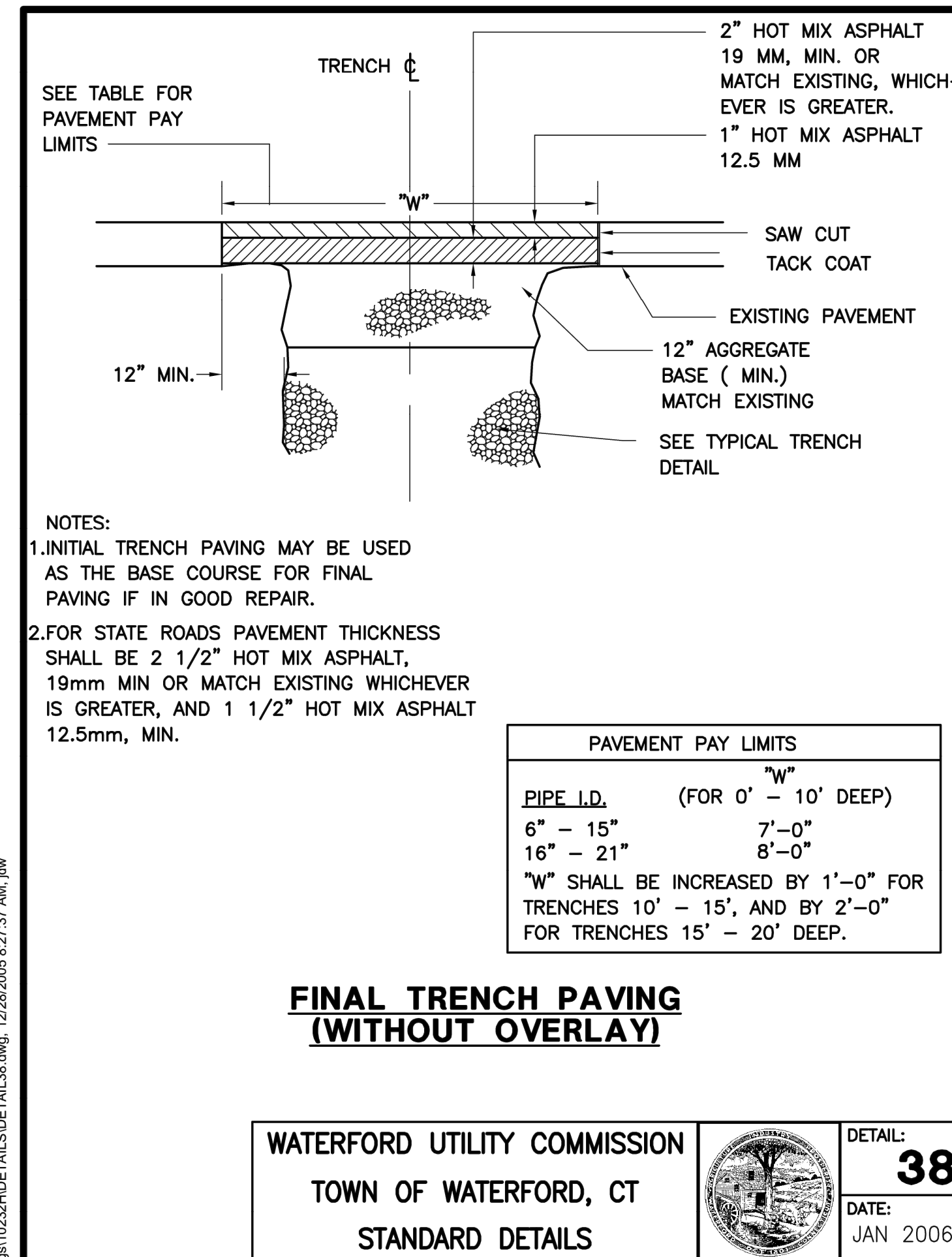
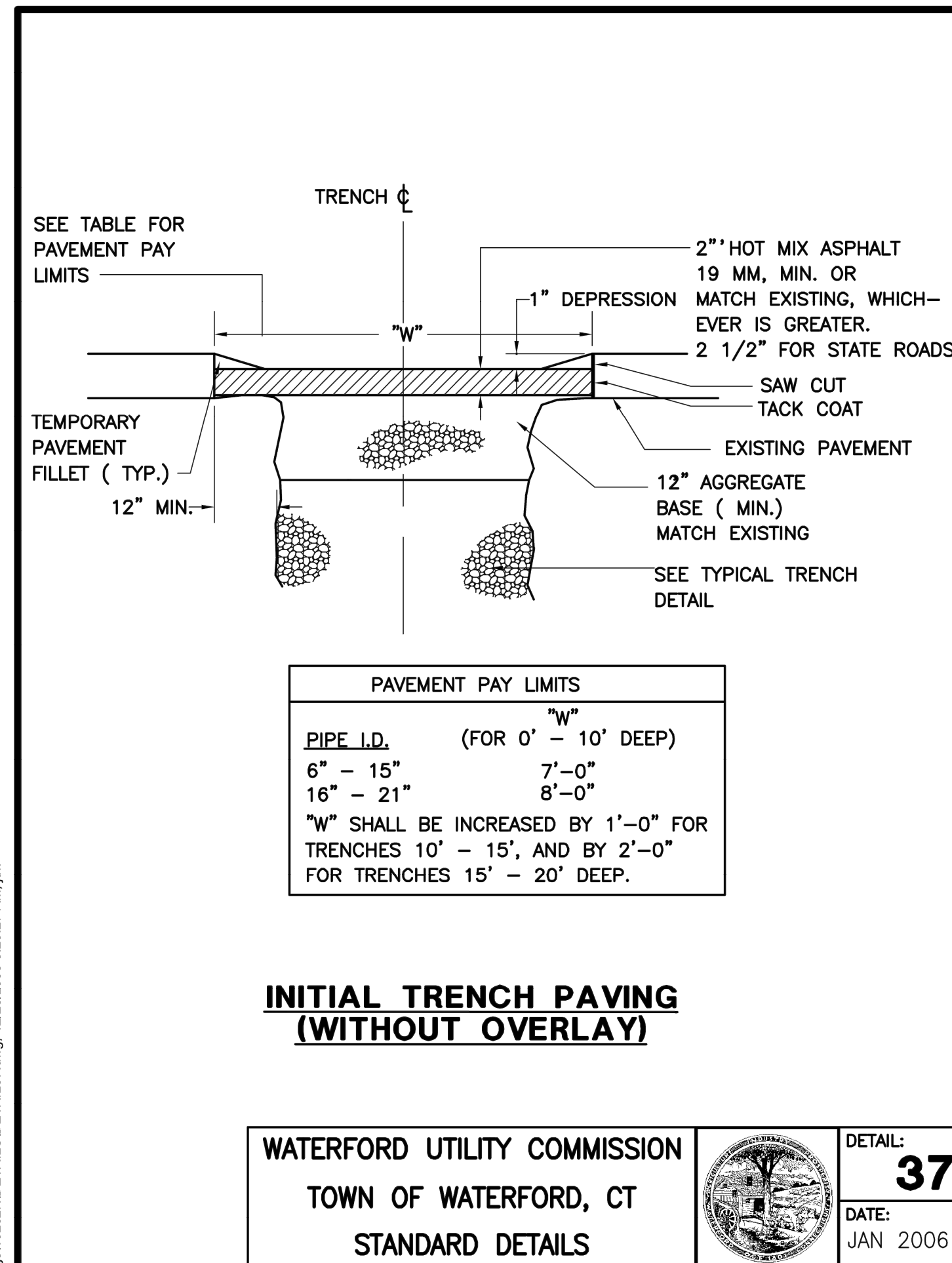
**NOT FOR
CONSTRUCTION
UNTIL THIS NOTE
IS REMOVED**

[illegible]

CONSTRUCTION DETAILS (ROADWAY, WALKWAY & UTILITIES)

PREPARED FOR 1721, LLC
430 MOHEGAN AVENUE PARKWAY & 23B OLD NORWICH ROAD
TAX MAP 76 LOTS 10164 & 5600
WATERFORD, CONNECTICUT

DATE: MAY 21, 2024
SCALE: AS NOTED
DRAWN BY: CO, MA, RG, RM
CHECKED BY: JW
DWG. NO.: CD-4
SHEET NO.: 16 of 19
JOB. NO.: 2023-922



INDIGO llc
land design

PLAN PREPARED BY:
INDIGO LAND DESIGN, LLC
JOSEPH WREN, P.E.
CT REG. NO. 21190
40 ELM STREET, 2ND FLOOR
OLD SAYBROOK, CT 06475
PHONE: (860) 388-9343
WEB: INDIGO-LAND.COM

Specialty Consulting
for Design

**NOT FOR
CONSTRUCTION
UNTIL THIS NOTE
IS REMOVED**

[illegible]

CONSTRUCTION DETAILS (SANITARY SEWER SYSTEM)

PREPARED FOR 1721, LLC
 430 MOHEGAN AVENUE PARKWAY & 2318 OLD NORWICH ROAD
 TAX MAP 76 LOTS 10164 & 5600
 WATERFORD, CONNECTICUT

DATE: MAY 21, 2024
SCALE: AS NOTED
DRAWN BY: CO, MA, RG, RM
CHECKED BY: JW
DWG. NO.: CD-5
SHEET NO.: 17 of 19
JOB. NO.: 2023-922

Page 1 of 3

OPERATION AND MAINTENANCE (O&M)
OF STORMWATER SYSTEM

1. SCHEDULE OF INSPECTION AND MAINTENANCE

a.

The stormwater system components shall have inspections and routine and non-routine maintenance and corrective measures performed as outlined in this operation and maintenance plan.

b.

All stormwater system components shall be inspected after any major storm events or as otherwise specified.

c.

The standard inspection checklist on this sheet may be used during maintenance inspections. Complete a separate inspection checklist for each structural stormwater feature and prepare a site plan or sketch showing the locations of each. All system components may not be applicable.

d.

A copy of the inspection checklist can also be found in Appendix B of the "Connecticut Stormwater Quality Manual", published Sept. 30, 2023, last revised Mar. 26, 2024, or as amended.

2. RESPONSIBLE PARTIES FOR INSPECTIONS AND MAINTENANCE

a.

All inspections, routine and non-routine maintenance and corrective measures shall be a conducted by properly licensed inspectors and contractors selected and financed by the property/homeowner's association.

3. DOCUMENTATION

a.

An as-built plan of the stormwater system shall be prepared by a licensed land surveyor. It shall include the location, elevations, and sizes of all stormwater management structures and features.

b.

Upon completion of the stormwater system, the design engineer shall prepare a letter of compliance certifying that it was constructed in substantial conformance with the approved plans.

c.

Inspections and routine and non-routine maintenance/corrective measures shall be documented to demonstrate compliance with maintenance activities.

d.

A copy of the as-built, letter of compliance, and maintenance activities shall be kept on file with the property/homeowner's association.

e.

A yearly signed statement shall be submitted by the property/homeowner's association to the Waterford Planning Department indicating that the stormwater facility has been properly maintained and is functioning as designed, per Section 25.6.14.3.3 of the zoning regulations.

4. CATCH BASINS AND SUMPS

a.

Inspect catch basins and sumps twice per year, in late spring after snowmelt and in late fall after leaf fall and before the first snowfall.

a.

Establish a catch basin cleaning frequency such that the catch basin sumps are never more than 50% full. Clean more frequently catch basins with known heavier sediment and debris loads or drainage problems, including the catch basins with deep sumps and hooded outlets, as necessary.

b.

Cleaning should include the removal of sediment from catch basin sumps, removal of floatables and hydrocarbons from the water surface inside the catch basins, and removal of trash and debris from catch basin grates. These levels should be monitored during inspections to ensure that removal of these materials is performed when necessary.

Source: Adapted from the CT Stormwater Manual, dated 9/30 2023, last revised 3/26/2024

Page 2 of 3

5. STORMWATER MANAGEMENT BASINS AND OUTLET CONTROL STRUCTURES

a.

Inspect after major storms (1 inch or more of precipitation) in the first 3 months following construction.

b.

Inspect outlet control structures and orifices 3 times per year. Inspect sediment forebay twice per year and the rest of the system annually, including inlet and pond embankment.

c.

Maintenance activities such as sediment removal, mowing, and repairs should be performed with rakes and light-weight equipment rather than heavy construction equipment to avoid soil compaction and damage to vegetation. Heavy equipment may be used for sediment removal and other maintenance activities if the equipment is positioned outside the limits of the system. Heavy construction equipment should not be allowed within the limits of the system for maintenance purposes.

d.

Remove trash and organic debris (leaves) in the spring and fall.

e.

Remove sediment from the sediment forebay when it accumulates to a depth of 50% of the height of the forebay berm.

f.

Remove sediment from the permanent pool when the pool volume has become reduced significantly, or when significant algal growth is observed.

g.

The vegetative cover should be maintained at 85%. If vegetation has damage, the area should be reestablished in accordance with the original specifications.

h.

Periodically mow the pond side slopes during the growing season. Maintain side slope vegetation at 6 inches or higher. Inspect and remove invasive vegetation as necessary. Maintaining higher vegetation along the edge of the pond to deter waterfowl.

i.

Inspect wetland plants and manage/harvest dead or dying plants as necessary.

j.

Remove trees and woody vegetation within 25 feet of all risers, pipe outlet structures, spillways and embankments. Prune other woody vegetation where dead or dying branches are observed. Plant reinforcement plantings as necessary.

k.

Prune wetland vegetation on a regular schedule. Inspect wetland plants and manage/harvest dead or dying plants as necessary. Plant reinforcement plantings as necessary.

6. SWALES

a.

Inspect after major storms (1 inch or more of precipitation) in the first 3 months following construction.

b.

Inspect twice per year in late spring after snowmelt and in late fall after leaf fall and before the first snowfall.

c.

Remove trash and organic debris (leaves) in the spring and fall.

d.

Remove sediment from the swale surface when the sediment accumulation exceeds 2 inches or when drawdown time exceeds 48 hours after the end of a storm event.

e.

Weed swales as necessary. Regularly mow grass to a height of 4 to 6 inches. Maintain a healthy, vigorous stand of grass cover. Re-seed as necessary. Mowing should not be performed when the ground is soft to avoid rutting or compaction.

f.

Periodically remove grass clippings to prevent clogging of the surface of the swale.

7. LAWN AND LANDSCAPE MANAGEMENT

Source: Adapted from the CT Stormwater Manual, dated 9/30 2023, last revised 3/26/2024

Page 3 of 3

8. STREET SWEEPING

a.

Minimum frequency of twice per year, in spring as soon as possible after snow melt and following winter activities such as sanding to capture sand and debris before it is washed into the storm drainage system.

b.

Street sweeping shall be handled in accordance with CT DEEP "Guidelines for Municipal Management Practices for Street Sweepings & Catch Basin Cleanings", as amended.

9. SNOWMELT

a.

Snow accumulations removed from the roadway and parking lots should be placed in upland areas only, where sand and other debris will remain after snowmelt for later removal.

b.

Snow should not be pushed or dumped into waterbodies or wetlands, stormwater quality basins, swales, or on top of catch basins.

c.

Snow shall be handled in accordance with CT DEEP "Best Management Practices for Disposal of Snow Accumulations from Roadways and Parking Lots", as amended.

Source: Adapted from the CT Stormwater Manual, dated 9/30 2023, last revised 3/26/2024

Page 1

INSPECTION CHECKLIST

DATE/TIME: _____

INSPECTOR: _____

TYPE OF BMP: _____

WEATHER DURING INSPECTION: _____

LOCATION: _____

TYPE OF INSPECTION (check if applicable):
Storm Event ☐ Complaint Response ☐ Routine ☐

AS IS BUILT PLANS AVAILABLE: Yes ☐ No ☐

PRECIPITATION AMOUNT IN 24 HR PRIOR TO INSPECTION: _____

INLET

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
level spreader, inlet curb cut opening,
inlet structure, piped flow entrance,
flow diversion structure

Guidance on what to look for:
-Accumulated debris/ sediment at the
inlet and within the structure (if
applicable)
-Structural damage or erosion

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Appendix B - Structural Stormwater BMP Maintenance Inspection Checklist

Page 2

PRETREATMENT

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
sediment forebay, pretreatment
vegetated filter strip, deep sump pump
catch basin, oil grit separator, proprietary
treatment device

Guidance on what to look for:
-Accumulated debris/ sediment
-Structural damage or erosion

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

BASIN CELL

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
infiltration trench, infiltration basin,
bioretention, sand filter, subsurface
gravel wetland

Guidance on what to look for:
-Accumulated debris
-Damage (e.g. erosion/ animal burrowing)
-Overgrown/ dead vegetation
-Standing water
-Condition of wetland vegetation

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Appendix B - Structural Stormwater BMP Maintenance Inspection Checklist

Page 3

FILTER BED

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
bioretention, sand filter, tree filter, dry
water quality swale, permeable pavement

Guidance on what to look for:
- Accumulated debris/ sediment
-Overgrown/ dead vegetation and weeds
-Standing water above filter bed
-Erosion/ rutting in upgradient areas
-Cracks or damage to permeable
pavement

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

SUBSURFACE RESERVOIR/ OBSERVATION WELL

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
infiltration trench, underground infiltration
system, dry well, bioretention, tree filter, dry
water quality swale, subsurface gravel wetland*

Guidance on what to look for:
-Standing water in the

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Appendix B - Structural Stormwater BMP Maintenance Inspection Checklist

Page 4

Berm/ Weir

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
stormwater ponds, stormwater wetlands
including subsurface gravel wetland, water
quality swales

Guidance on what to look for:
-Debris sediment buildup
-Damage (e.g. erosion, cracks, spalling,
seepage/ weeps, failure, animal burrows)

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Outlet

APPLICABLE: Yes ☐ No ☐

Circle or note applicable element(s):
outlet curb cut openings, raised overflow
structures or risers, outflow weirs, outlet
pipes/ culverts, stone riprap apron, stone
riprap stilling basin or plunge pool

Guidance on what to look for:
-Accumulated debris/ sediment at the
outlet and within the structure (if
applicable)
-Structural damage or erosion

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Appendix B - Structural Stormwater BMP Maintenance Inspection Checklist

Page 5

Maintenance Access

APPLICABLE: Yes ☐ No ☐

All BMPs are applicable
Guidance on what to look for:
-Access to pretreatment and all parts of BMP that require routine maintenance or sediment
removal
-Structural damage or erosion access road
-Overgrown/ dead vegetation preventing or impeding access by maintenance personnel or
equipment

CONDITION:

Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Other:

Note applicable element(s):

CONDITION:

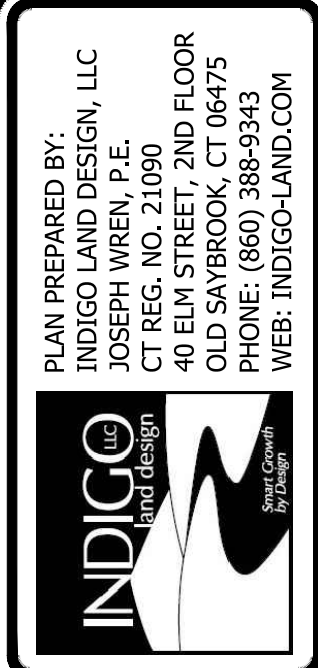
Satisfactory ☐ Unsatisfactory ☐

RECOMMENDED MAINTENANCE

NOTES

DATE FOR FOLLOW UP

Appendix B - Structural Stormwater BMP Maintenance Inspection Checklist



#	DATE	DESCRIPTION	BY
4	8/28/2024	REVISIONS FOR PLANNING & ZONING SUBMITTAL	RG
3	7/31/2024	O&M REVISIONS PER TOWN COMMENTS, MISC.	RG
2	7/23/2024	REVISIONS PER TOWN COMMENTS, MISC.	RG
1	7/17/2024	REVISIONS PER TOWN COMMENTS, MISC.	RG

STORMWATER OPERATION & MAINTENANCE (O&M) PLAN

PREPARED FOR 1721, LLC
430 MOHEGAN AVENUE PARKWAY & 23B OLD NORWICH ROAD
TAX MAP 76 LOTS 10164 & 5600
WATERFORD, CONNECTICUT

DATE:
MAY 21, 2024

SCALE:
AS NOTED

DRAWN BY:
CO, MA, RG, RM

CHECKED BY:
JW

DWG. NO.:
SOM-1

SHEET NO.:
19 of 19

JOB. NO.:
2023-922