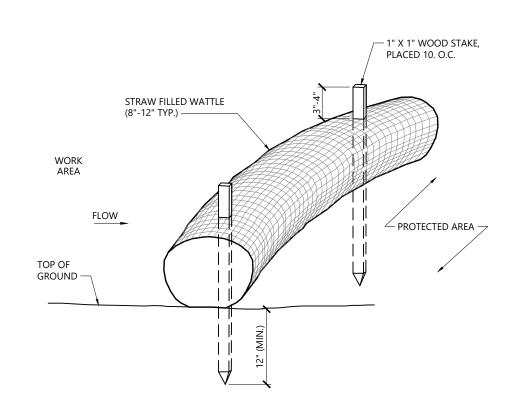


SECTION VIEW

- 1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND STRAW BALES HAVE BEEN REMOVED.
- 2. GRATE TO BE PLACED OVER SILTSACK.
- 3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

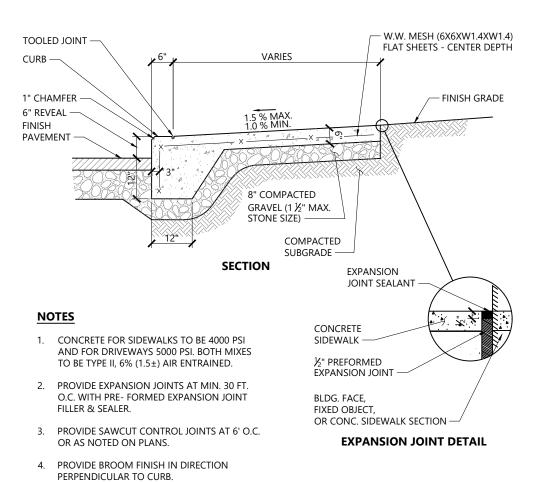
Siltsack Sediment Trap

LD_674 Source: VHB



- 1. STRAW WATTLE SHALL BE AS MANUFACTURED BY EARTHSAVER OR APPROVED EQUAL.
- 2. STRAW WATTLES SHALL OVERLAP A MINIMUM OF 12 INCHES.
- 3. STRAW WATTLE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY
- 4. TEMPORARY STRAW WATTLES TO BE REMOVED BY CONTRACTOR. ALL OTHERS TO REMAIN IN PLACE UNLESS DIRECTED OTHERWISE BY ENGINEER.
- 5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

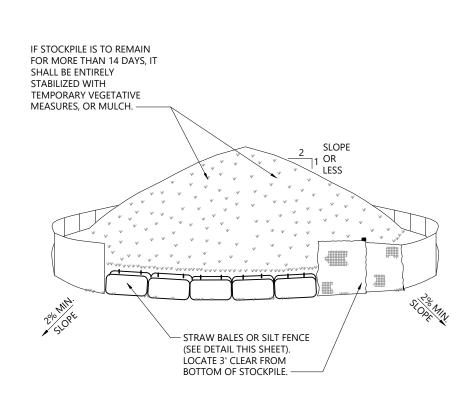
Straw Wattle - Erosion Control Barrier LD_659



Monolithic Concrete Curb (MCC) & Sidewalk

5. ALL EXPOSED CONCRETE SURFACES SHALL BE

SEALED WITH A SILANE-SILOXANE PRODUCT.

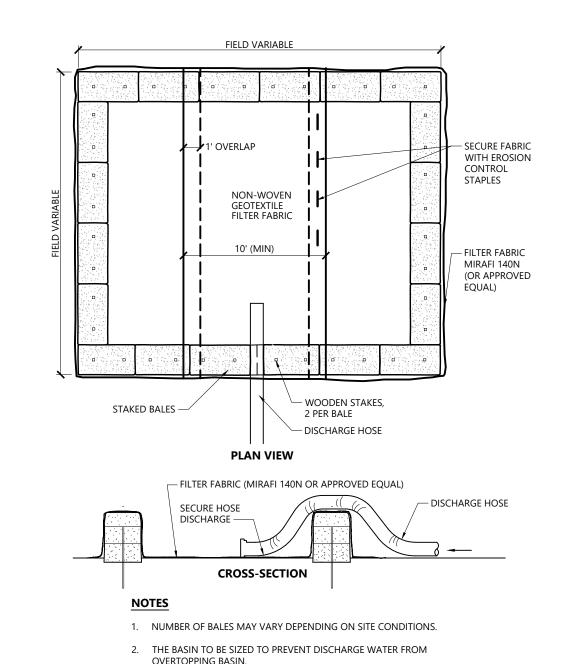


N.T.S.

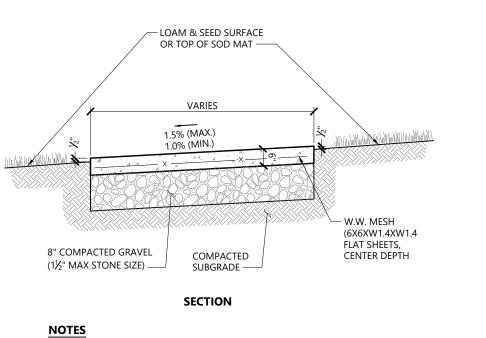
1/20

- 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND
 - 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
 - 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES.
 - 4. CONTRACTOR SHALL INSPECT INSTALLATIONS EVERY 7 DAYS MINIMUM AND/OR AS REQUIRED AND AFTER ANY RAINFALL EVENT OF 1/2" OR GREATER AND MAKE NECESSARY REPAIRS AS NEEDED.

Material Stockpile Area Detail



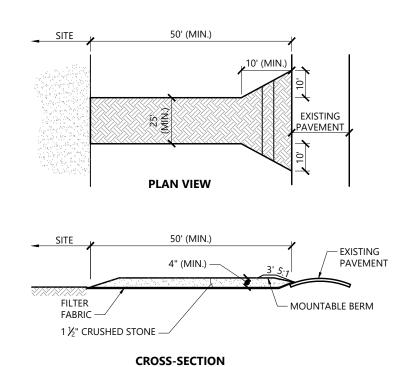
Dewatering Straw Bale Basin N.T.S. LD_690



LD 421

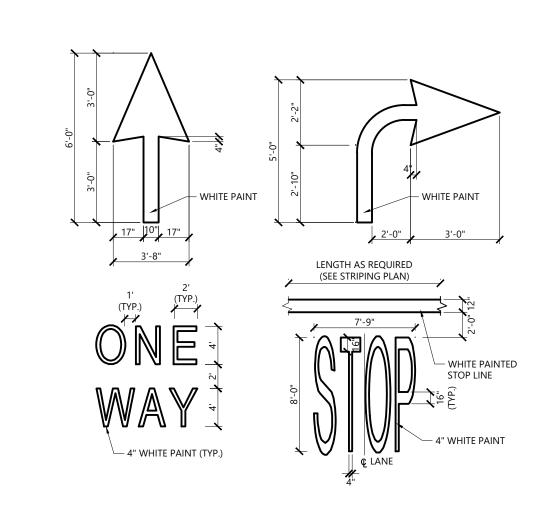
- 1. CONCRETE FOR SIDEWALKS TO BE 4000 PSI AND FOR DRIVEWAYS 5000 PSI. BOTH MIXES TO BE TYPE II, 6% (1.5±) AIR ENTRAINED.
- 2. PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE- FORMED EXPANSION JOINT FILLER & SEALER.
- 3. PROVIDE SAWCUT CONTROL JOINTS AT 6' O.C. OR AS NOTED ON
- 4. PROVIDE MEDIUM BROOM FINISH IN DIRECTION PERPENDICULAR TO
- 5. ALL EXPOSED CONCRETE SURFACES SHALL BE SEALED WITH A SILANE-SILOXANE PRODUCT.

Concrete Sidewalk in Landscape Area N.T.S. Source: VHB LD_426



- 1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS
- 2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
- 3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

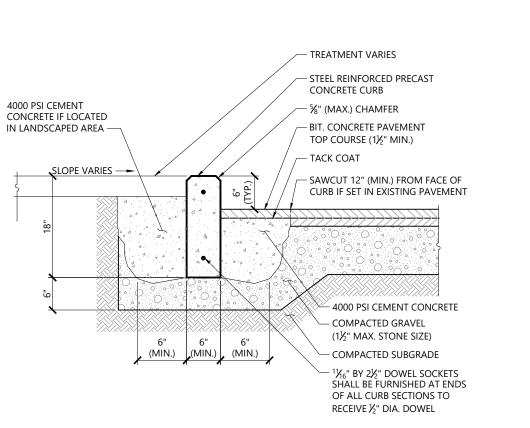




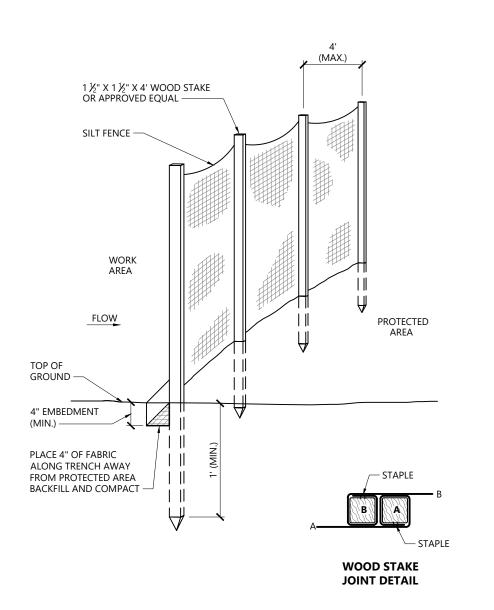
1. PAVEMENT MARKINGS TO BE INSTALLED FOR ON SITE WORK IN LOCATIONS SHOWN.



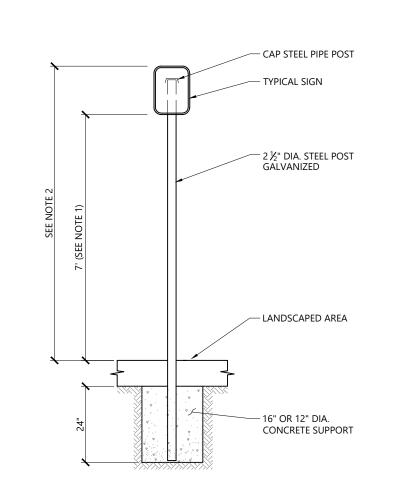




Precast Concrete Curb (PCC) LD 404 N.T.S.



Silt Fence Barrier 1/16 N.T.S. LD_650 Source: VHB

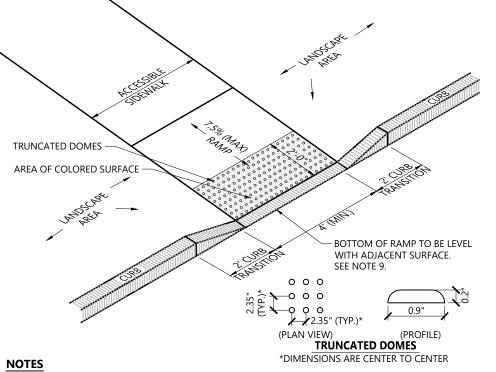


1. THIS DIMENSION SHALL BE A MINIMUM OF 5' FOR

2. THIS DIMENSION SHALL BE A MAXIMUM OF 8' FOR ACCESSIBLE SIGNAGE

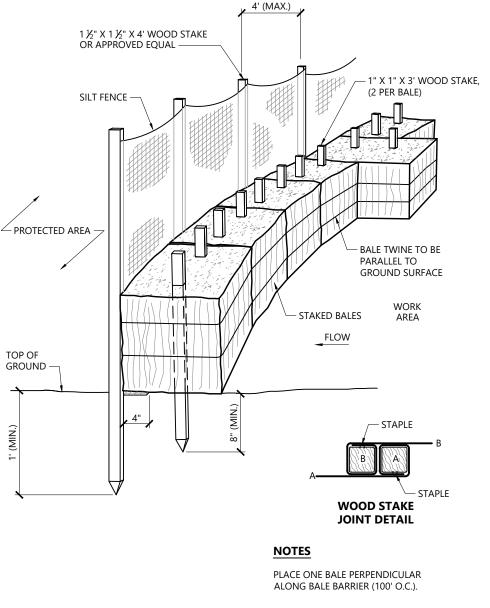
ACCESSIBLE SIGNAGE.





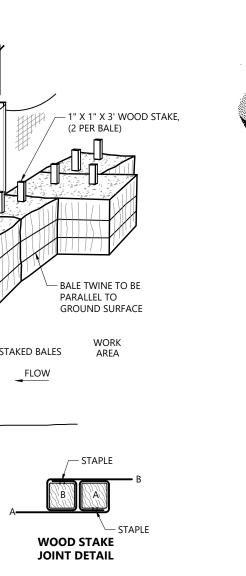
- 1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
- 2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%. 3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE $\frac{7.5\%}{1.5\%}$
- A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
- 5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
- 6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
- 7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
- 8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
- 9. ELIMINATE CURBING (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAYS.
- 10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. 11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE

Accessible Curb Ramp (ACR) Type 'M-D'



Silt Fence / Straw Bale Barrier

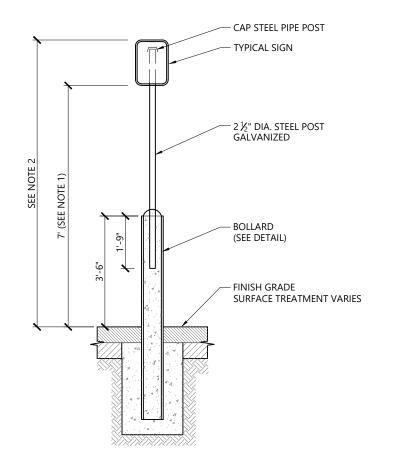
N.T.S.



1/16

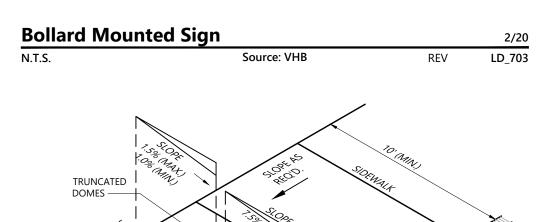
LD_657

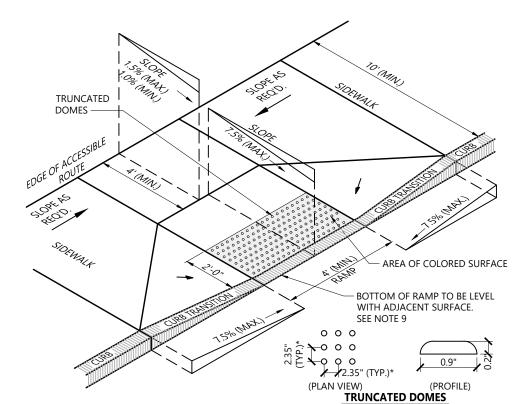




1. THIS DIMENSION SHALL BE A MINIMUM OF 5' FOR ACCESSIBLE SIGNAGE.

2. THIS DIMENSION SHALL BE A MAXIMUM OF 8' FOR ACCESSIBLE SIGNAGE





LD 512

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).

*DIMENSIONS ARE CENTER TO CENTER

- 2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%. 3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
- 4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
- 5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.

10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.

- 6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING. 7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
- 8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET. 9. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY, EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.

Source: VHB

11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.	
Accessible Curb Ramp (ACR) Type 'D-D'	1

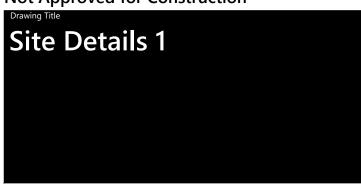
21-23 River Rd Redevelopment

21 River Road Wilton, Connecticut

No.	Revision	Date	Ap
Design	ed by	Checked by	
Design	NP/KF	Checked by	MRG

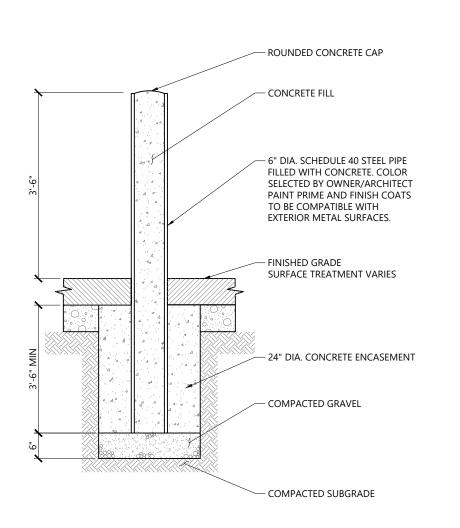
April 23, 2024 Local Approvals

Not Approved for Construction





Project Number 20849.00





1½" SUPERPAVE SURFACE COURSE - 12.5MM

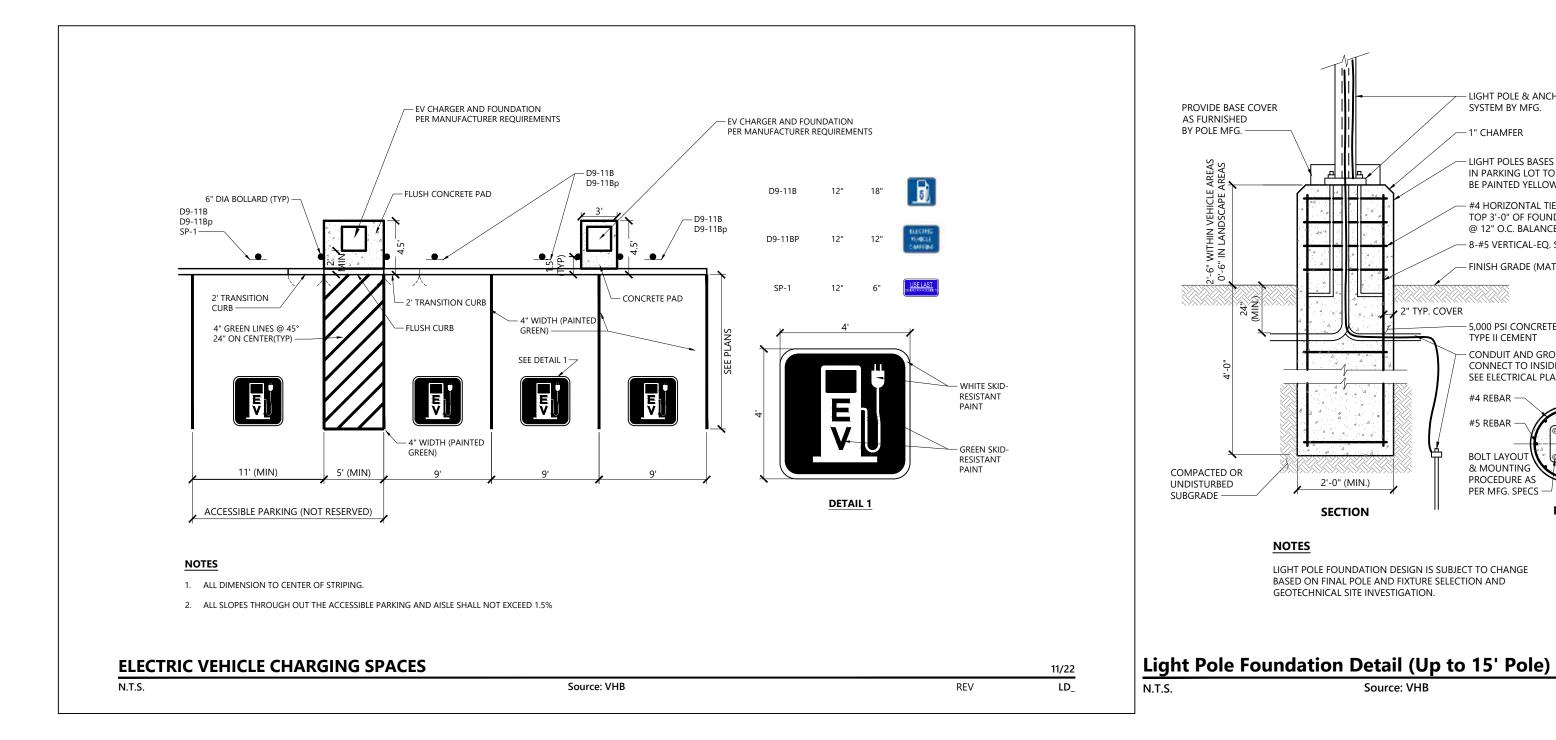
COMPACTED SUBGRADE

STANDARD DUTY FLEXIBLE PAVEMENT

PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

Bituminous Concrete Pavement Sections

1 ½" SUPERPAVE INTERMEDIATE COURSE - 12.5MM



— 4" WIDTH

10' (STANDARD)

(PAINTED BLUE)

C ACCESS AISLE

5' (STANDARD)

8' (VAN) 8' (VAN)

ACCESSIBLE PARKING

Accessible Parking Space

24" ON CENTER

(PAINTED BLUE)

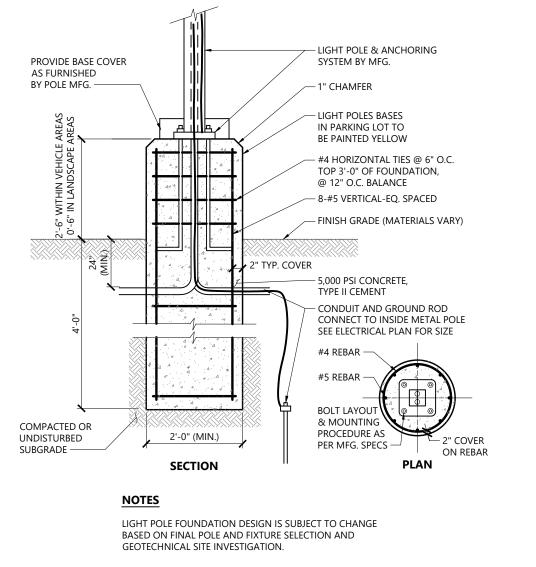
— PAINTED WHITE

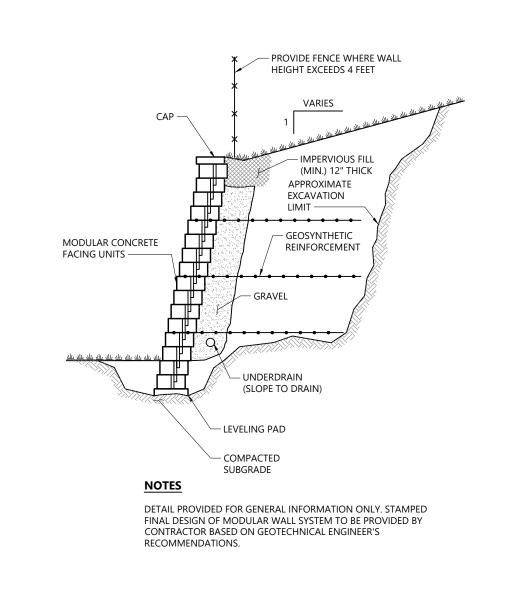
12/19

LD_552D

REV

Crosswalk





Source: VHB

Modular Retaining Wall

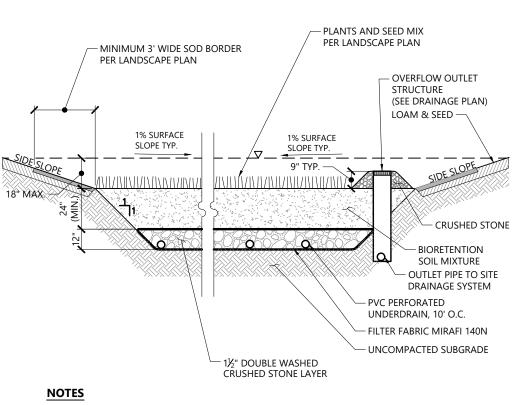
N.T.S.

5/23

LD_310A



Suite 200 Wethersfield, CT 06109 860.807.4300



Source: VHB

INSTALL UNDERDRAINS AT 10 FEET ON CENTER.

CONNECT TO DRAINS PER PLAN.

2. SIDE SLOPES SHALL BE 3:1 MAX. 2% MIN.



3/20

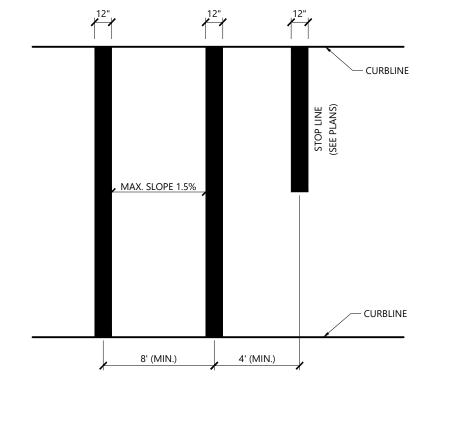
LD_199

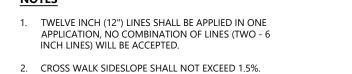
REV

AREAS SHALL NOT EXCEED 1.5%. 4. THE ACCESSIBLE SYMBOL DEPICTED ABOVE DOES NOT COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND IS SHOWN FOR COMPLIANCE WITH STATE AND LOCAL REGULATIONS ONLY.

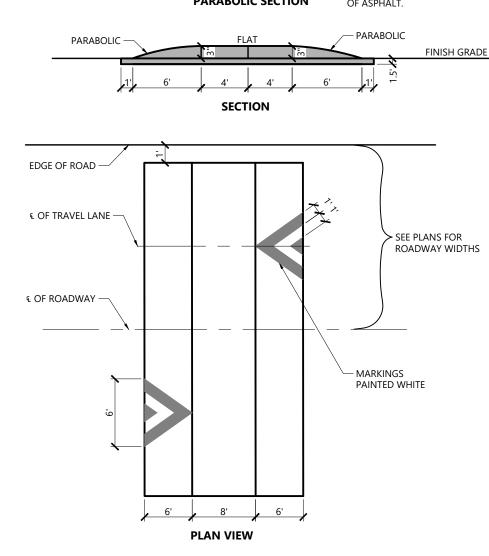
STANDARD DETAIL

3. ALL SLOPES THROUGHOUT THE ACCESSIBLE PARKING AND AISLE



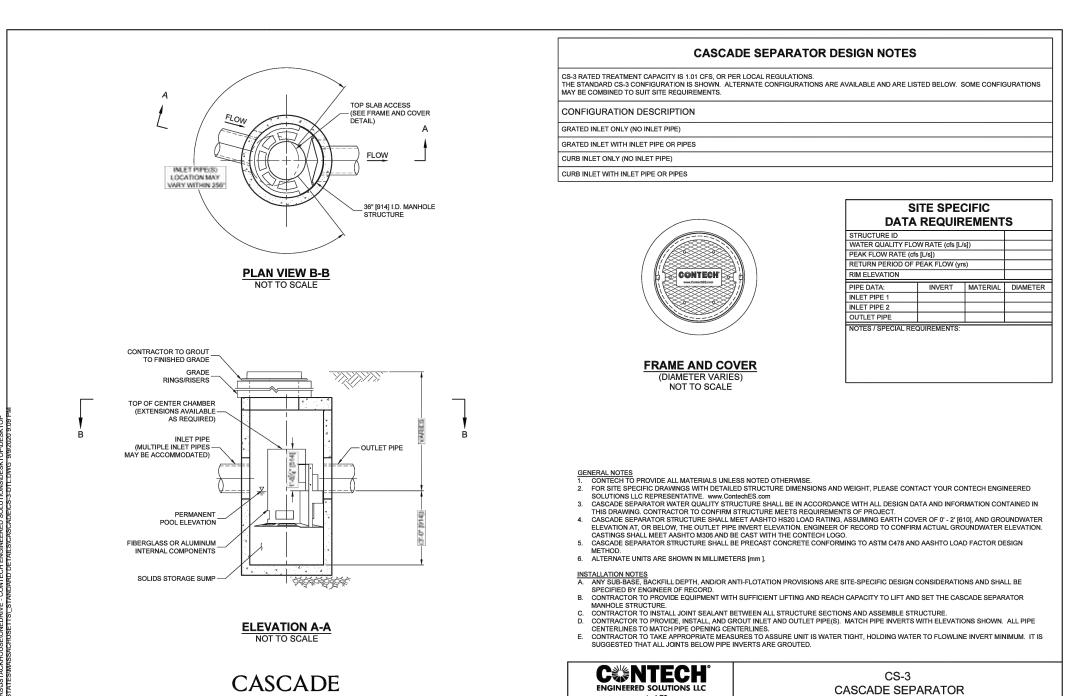


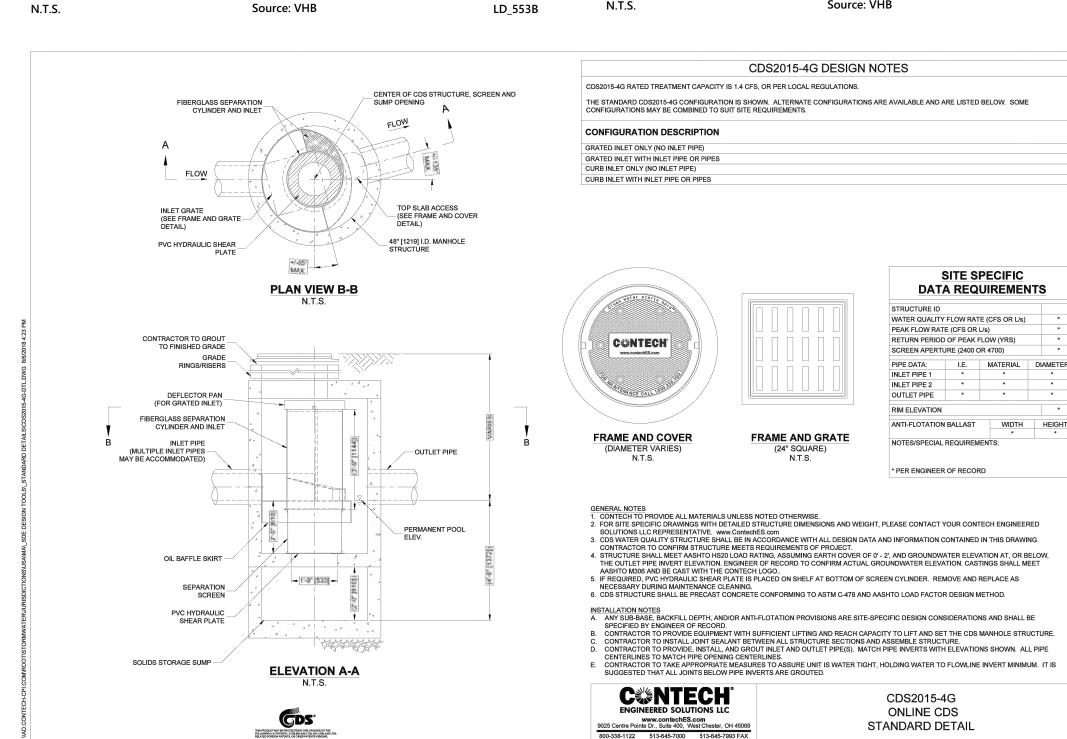
Source: VHB



Speed Table N.T.S. Source: VHB

Rain Garden 7/22 N.T.S. LD_430 REV





12/19



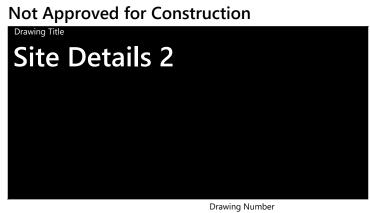
21 River Road Wilton, Connecticut

10/20

LD_750

SAWCUT AND REMOVE 1.5"

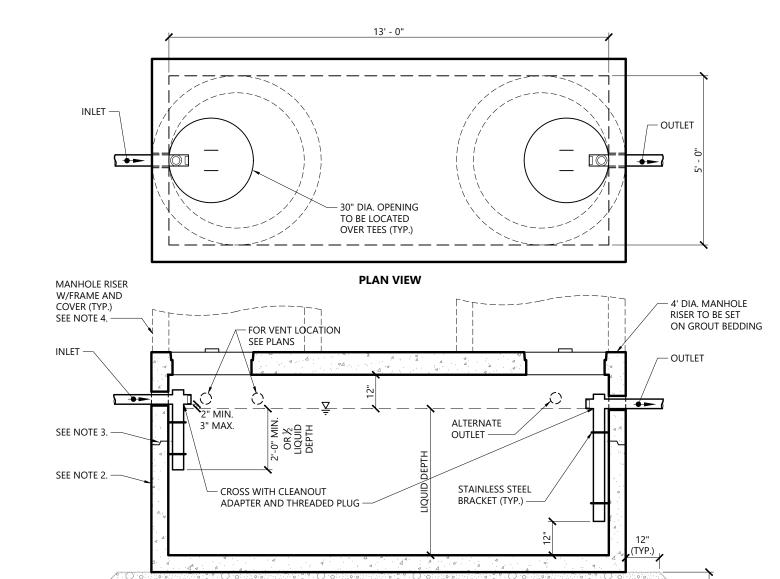
NP/KE April 23, 2024 Local Approvals





20849.00

COMPACTED SUBGRADE —



GREASE TRAP LIQUID DEPTI 2,500 3,000 6'-5" 7'-6" 3,500

- 1. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING. 2. EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATER-PROOFING MATERIAL.
- 3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
- 4. STANDARD 30-INCH SEWER MANHOLE FRAME AND COVER SHALL BE LOCATED OVER CROSSES AND SET IN FULL MORTAR BED. ADJUST TO GRADE WITH SEWER BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)
- 5. PIPING SHALL BE SCH 40 PVC WITH SOLVENT WELDED JOINTS. INTERNAL PIPE DIAMETER SHALL BE SAME SIZE

6. FINAL DESIGN OF GREASE TRAP TO BE BY PLUMBING

7. THE INSTALLATION OF GREASE TRAP, THE PIPING TO AND 10 FEET BEYOND IS BY PLUMBER.

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

- 19.7500 MAX.

- Carlininininininini

0.25" [6mm] ·

CUSTOMER: XXXX

ORDER No: XXXX

N.T.S.

Tide Checkmate Check Valve

PIN PER NOTE #4

RECOMMENDED PINNING CONFIGURATION

(SUPPLIED BY CUSTOMER) (SEE LO.M.)

NOT TO SCALE

FLOW

2.0000 -----

S/STEEL HEX HEAD BOLTS

DRILL AT FINAL ASSEMBLY

9-125/-M-K

- CHECKMATE

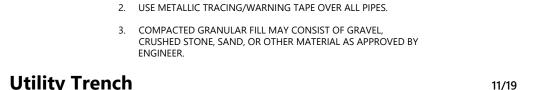
 $(4) - 0.31^{\circ} [8mm]$

SEE NOTE #1

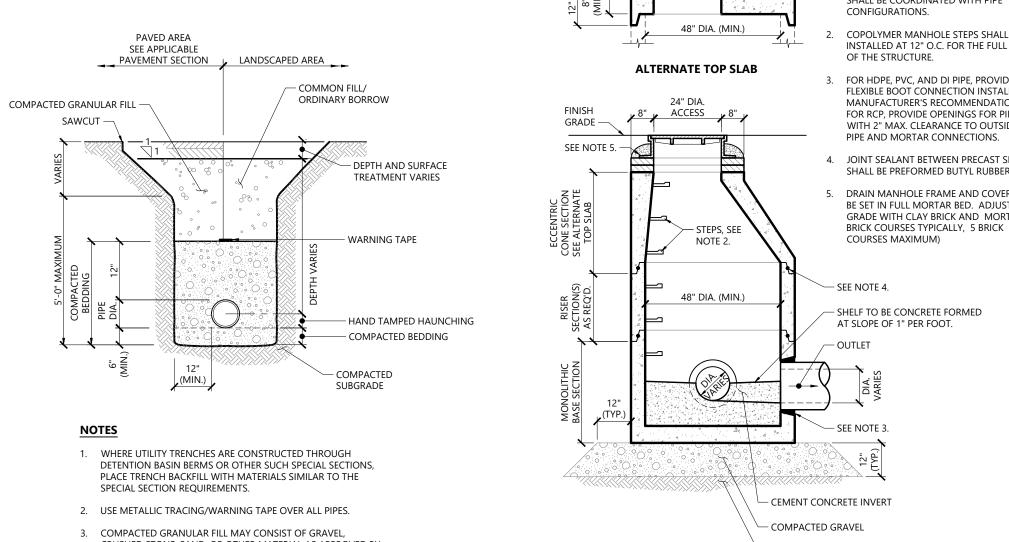
PIPE I.D.

(MATERIAL VARIES)

Source: Tide Technologies



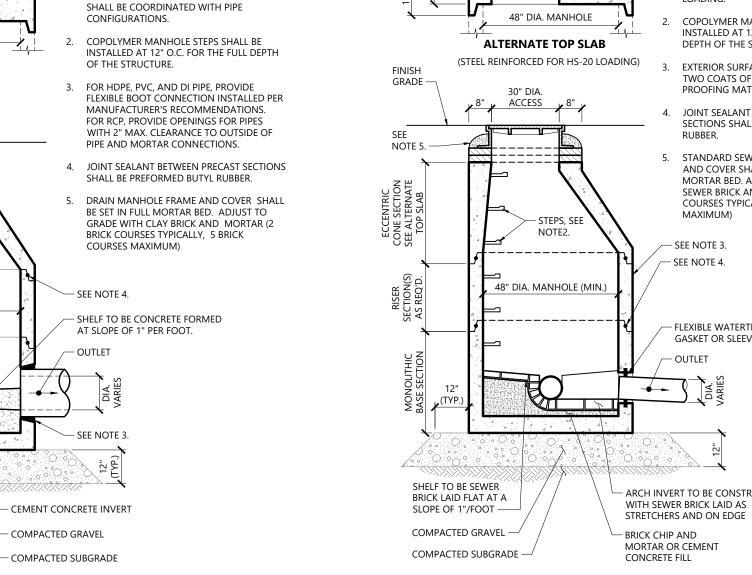
Source: VHB



LD_300

Drain Manhole (DMH)

ACCESS

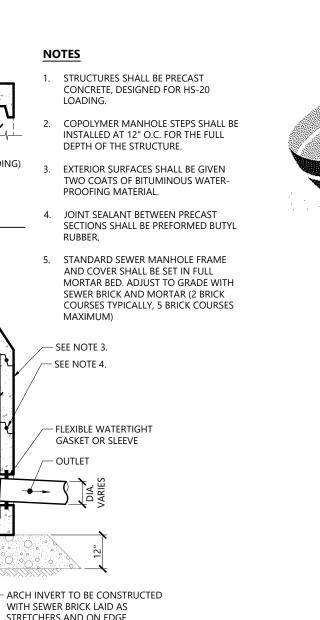


11/19

LD_115

30" DIA. ACCESS

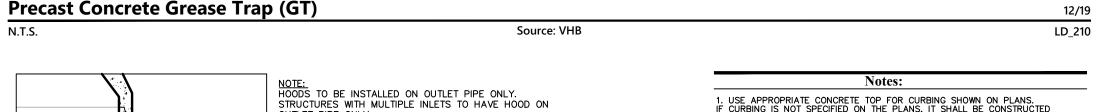
Sanitary Sewer Manhole (SMH)



1/16

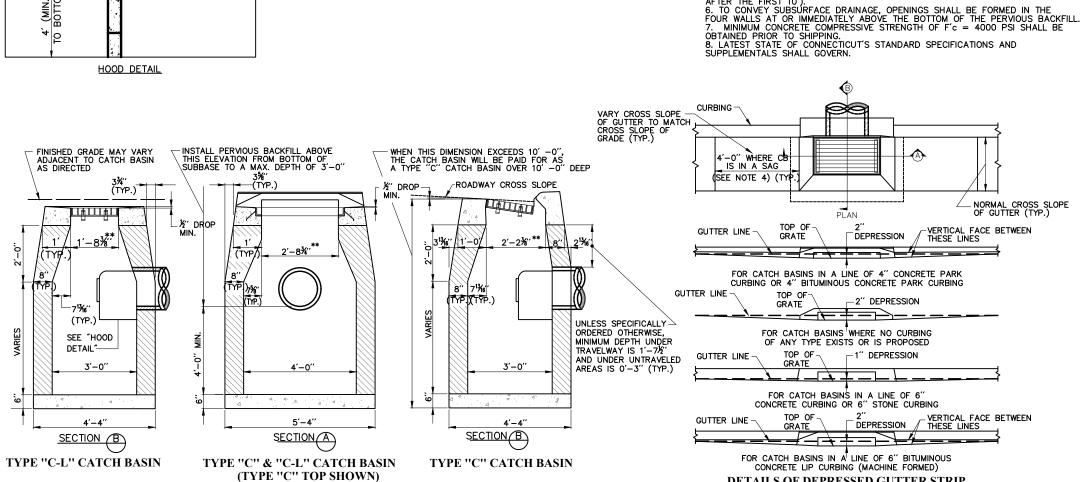
LD_200

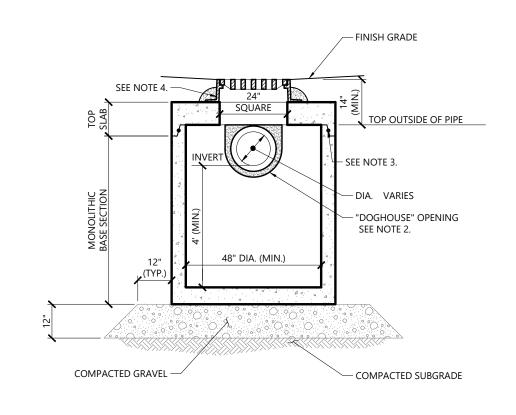




- COMPACTED GRAVEL







N.T.S. Source: BY OTHERS

Catch Basin (CB) Shallow Cover

2 | 1 | CLAMP

SEE NOTE #1

PIPE I.D.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF TIDEFLEX TECHNOLOGIES.

IT IS ECOANED BY TIDEFLEX TECHNOLOGIES, SUBJECT TO THE CONDITIONS THAT IT

AND THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD

AND REFERENCE PURPOSES. IT SHALL NOT BE USED OR CAUSED TO BE USED IN

ANY WAY PREJECTAL TO THE INTERESTS OF TIDEFLEX TECHNOLOGIES. IT SHALL

TO PRODUCT: CHECKMATE CHECK VALVE

IT PRODUCT: CHECKMATE CHECK VALVE

TO PART NO:

DR. BY: KEC DATE: 4-23-15 CHKD. BY: DATE:

PROPRIETARY NOTICE

NOT BE REPRODUCED OR COPIED IN WHOLE OR PART, OR DISCLOSED TO ANYONE CAD SCALE: FULL WITHOUT THE DIRECT WRITTEN PERMISSION OF TIDEFLEX TECHNOLOGIES AND SHALL BE RETURNED UPON REQUEST.

CAD SCALE: FULL PLOT SCALE: NTS

1 1 CHECKMATE CHECK VALVE

N.T.S.

- 1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
- 2. PROVIDE DOGHOUSE OPENING FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. TOP SLAB SHALL NOT REST DIRECTLY ON PIPE. GROUT ALL PIPE CONNECTIONS (NON-SHRINK GROUT).
- 3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER. 4. CATCH BASIN FRAME AND GRATE (4"DEPTH) SHALL BE SET IN FULL MORTAR BED.
- 5. ADJUST TO FINISH GRADE WITH CLAY BRICK AND MORTAR AS REQUIRED.

Source: VHB

MAT'L

MUST BE SUPPLIED

MUST BE SUPPLIED

PRELIMINARY DRAWING

OPPORTUNITY No: XXXXX SALES ORDER No:TXX-XXXX

NOT FOR APPROVAL PURPOSES

DWG No:TTS-XXXX

1. PIPE INSIDE DIAMETER - MUST BE SUPPLIED 2. CLAMP INSTALLED IN UPSTREAM OR DOWNSTREAM CUF!

DEPENDING ON INSTALLATION ORIENTATION

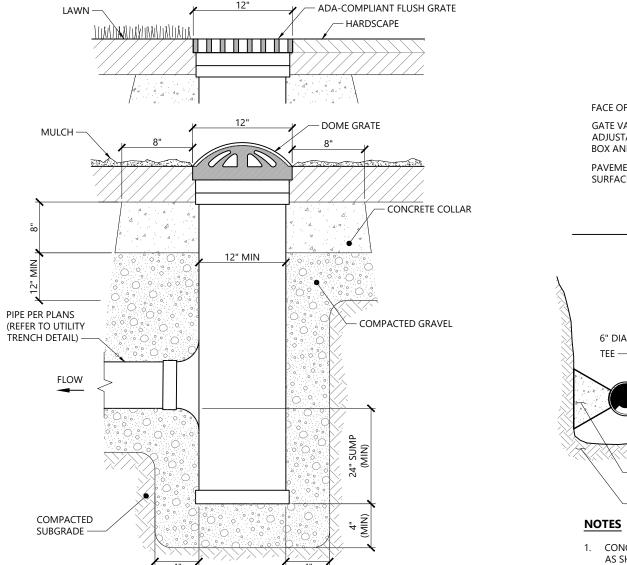
TO PIPE AS SHOWN, 4 PLACES 90' APART

3. MAXIMUM ALLOWABLE BACK PRESSURE - 40.0 FEET

4. If IS RECOMMENDED TO BOLL OR PIN CHECKMATE

DESCRIPTION

	RATES SHALL BE NYLOPLAST 12" PEDESTRIAN MODEL 1299CGP OR 12" DOME GRATE MODEL 1299CGD OR APPROVED EQUAL).		
Area Drain (AD) Type 1		12/1	
N.T.S.	Source: VHB	LD_19	
	(OR APPROVED EC	(OR APPROVED EQUAL). Area Drain (AD) Type 1	



1. ALL SECTIONS SHALL BE DESIGNED FOR

HS-20 LOADING. DIAMETER OF STRUCTURES

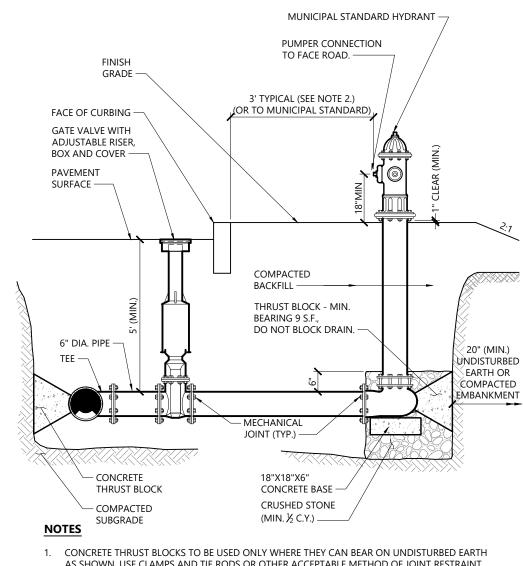
- 1. AREA DRAINS SHALL BE NYLOPLAST 12" DIAMETER DRAIN BASIN, OR APPROVED EQUAL.

— FINISH GRADE

— 45° PVC (SDR 35) BEND

- CONTROLLED DENSITY

Source: VHB



- AS SHOWN. USE CLAMPS AND TIE RODS OR OTHER ACCEPTABLE METHOD OF JOINT RESTRAINT WHERE SOIL CONDITIONS PROHIBIT THE USE OF THRUST BLOCKS.
- PASSAGE WIDTH OF 3 FEET AT HYDRANT. 3. A 36-INCH CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT UNLESS OTHERWISE APPROVED BY AUTHORITY HAVING JURISDICTION.

2. HYDRANT IN SIDEWALK AREAS TO BE LOCATED TO PROVIDE MINIMUM CLEAR SIDEWALK



- FINISH GRADE

45°PVC BEND AT END OF LINE

WYE CONNECTION FOR IN-LINE

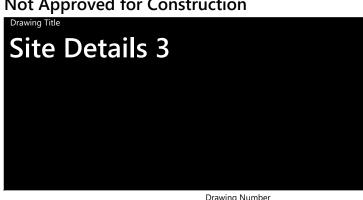
AT PAVEMENT



Wilton, Connecticut

Designed by NP/KE	Checked by MRG
Issued for	Date
Local Approvals	April 23, 202

Not Approved for Construction





RING & COVER — THREADED PLUG -FINISH GRADE AT LANDSCAPE AREA -CONCRETE COLLAR — — SEE PLANS FOR INVERT AND PIPE SIZE

CONNECTION -

Cleanout (CO)

Rain Garden Source: VHB

- 1½" DOUBLE WASHED CRUSHED STONE LAYER

Miscellaneous Connecticut Detail Type "C" & "C-L" Catch Basins

SEE PLANS —

— BORDER PER LANDSCAPE PLAN

1. INSTALL UNDERDRAINS AT 10 FEET ON CENTER.

CONNECT TO DRAINS PER PLAN.

2. SIDE SLOPES SHALL BE 3:1 MAX. 2% MIN.

PLANTS AND SEED MIX

PER LANDSCAPE PLAN

OVERFLOW OUTLET

(SEE DRAINAGE PLAN)

- CRUSHED STONE

SOIL MIXTURE

- OUTLET PIPE TO SITE

DRAINAGE SYSTEM

– PVC PERFORATED

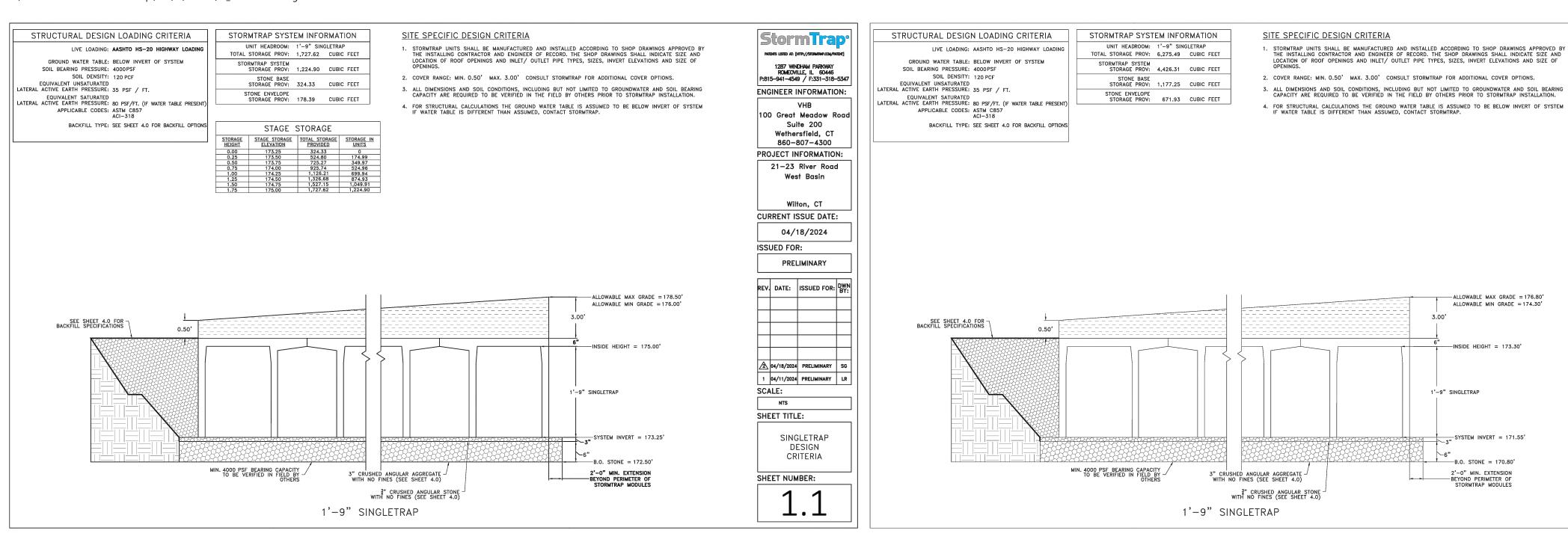
UNDERDRAIN, 10' O.C.

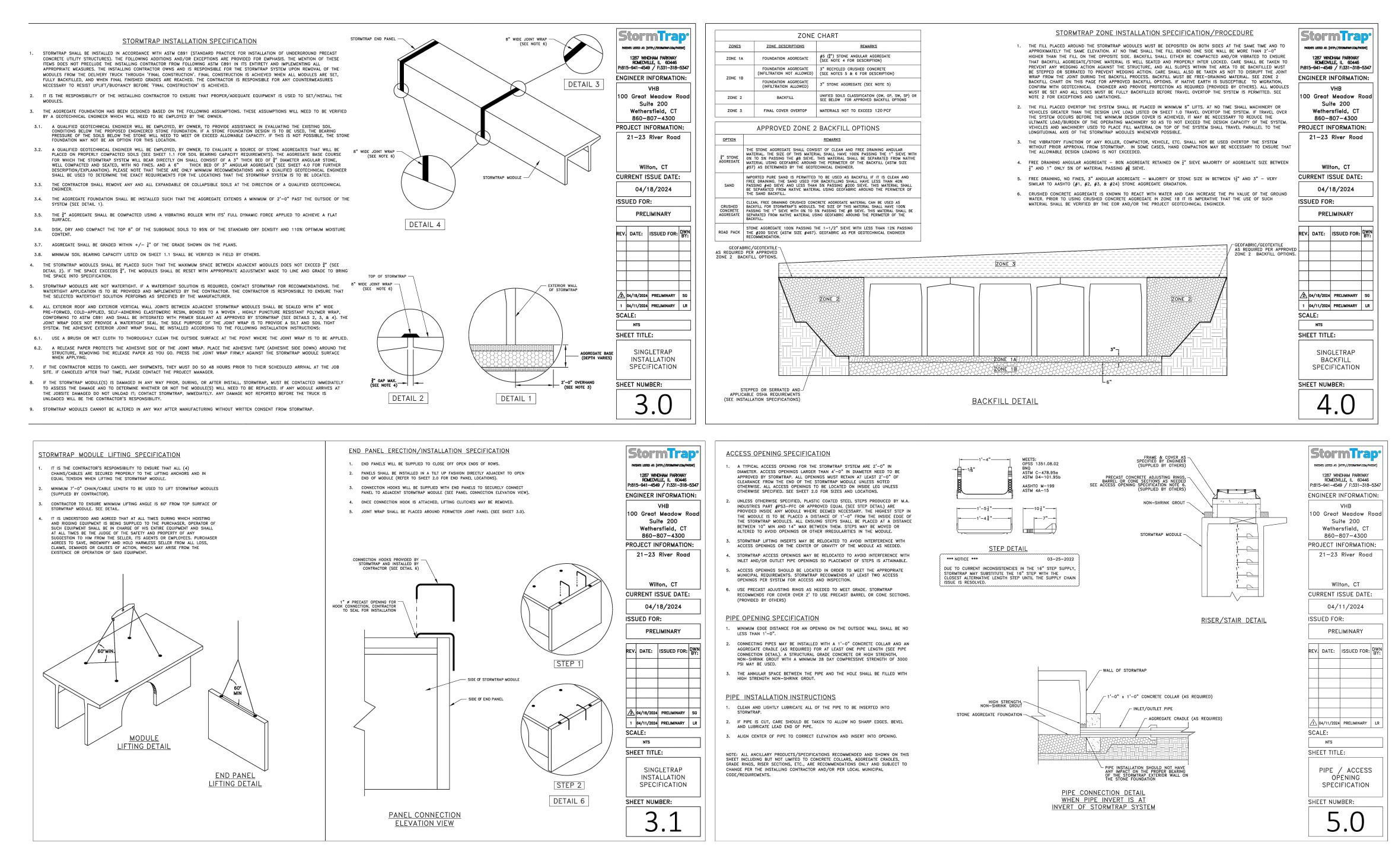
— FILTER FABRIC MIRAFI 140N

- UNCOMPACTED SUBGRADE

Sewer Service Chimney

Project Number 20849.00







Storm Trap

PATENTS LISTED AT: [HTTP://STORMTRAP.COM/PATENT

P:815-941-4549 / F:331-318-5347

ENGINEER INFORMATION:

VHB

100 Great Meadow Road

Suite 200

Wethersfield, CT

860-807-4300

East Basin

Wilton, CT CURRENT ISSUE DATE:

04/11/2024

PRELIMINARY

REV. DATE: ISSUED FOR: DWN

1 04/11/2024 PRELIMINARY LR

SINGLETRAP

DESIGN

CRITERIA

SCALE:

SHEET TITLE:

SHEET NUMBER:

ISSUED FOR:

PROJECT INFORMATION: 21-23 River Road

> 100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300

21-23 River Rd Redevelopment

21 River Road Wilton, Connecticut

Designed by	Checked by
NP/KE	MRG
ssued for	Date
Local Approvals	April 23, 2024

Not Approved for Construction





20849.00

