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TERRAMOR.

550 N 31st Street Billings, MT 59101

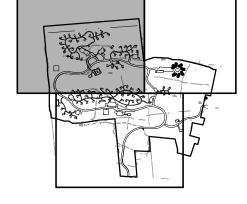
Civil Engineer: C.T. Male Associates 50 Century Hill Drive Latham, NY 12110

Architect: DGC Architects 40 Church Street, Studio A Ellsworth, ME 04605

Traffic Engineer: 80 Wolf Road, Suite 300, Albany, NY 12205

Surveyor: Ausfeld & Waldruff 323 Clinton Street Schenectady, NY 12305

KEY MAP



Terramor Catskills

NY ROUTE 212 Saugerties, NY 12477

ISSUED FOR: SITE PLAN APPLICATION

Project No.:			2021096
Design:			MJT/KAC
Drawn:	BAS	Ch'k'd:	MJT
Date:	07/01/2022	Scale:	1"=60'

Drawing Title
SITE LIGHTING
PLAN

L-7.1





The LA GROUP
Landscape Architecture & Engineering P.C.

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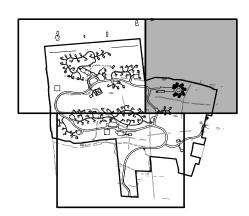
DGC Architects

40 Church Street, Studio A
Ellsworth, ME 04605

Traffic Engineer: GPI 80 Wolf Road, Suite 300, Albany, NY 12205

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SITE LIGHTING PLAN

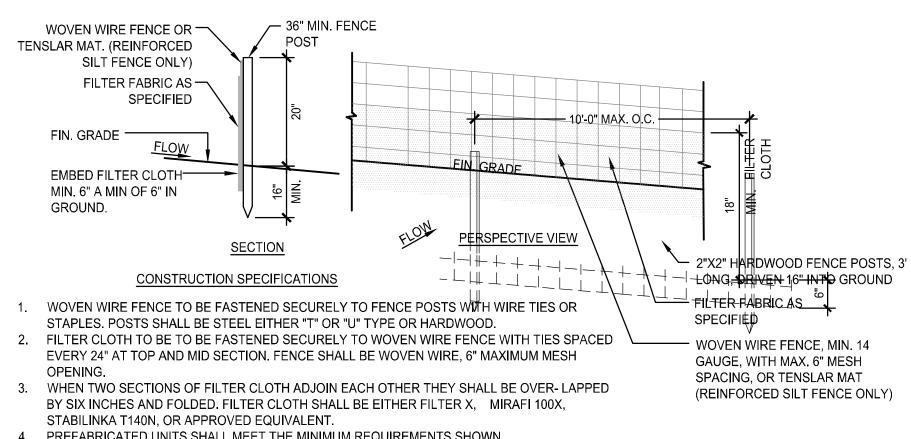
Drawing No.

L-7.3

CONSTRUCTION SPECIFICATIONS

- 1. MINIMUM STONE SIZE SHALL BE 1"-4" STONE, INSTALLED OVER FILTER FABRIC TO A MINIMUM DEPTH OF 6".
- 2. MINIMUM WIDTH SHALL BE 12' FOR ONE WAY TRAFFIC, 24' FOR TWO WAY TRAFFIC. MINIMUM LENGTH SHALL BE 50'.
- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESSES SHALL BE PIPED BENEATH ACCESS. IF IMPRACTICAL, A MOUNTABLE DIVERSION BERM PREVENTING RUNOFF ONTO ADJACENT ROAD SHALL BE PERMITTED.
- ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
- ALL VEHICLE WASHING SHALL BE DONE IN A STONE STABILIZED AREA
- WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. INSPECT AND MAINTAIN AS NEEDED TO CONFORM TO SPECIFICATIONS AND STORMWATER POLLUTION PREVENTION PLAN.

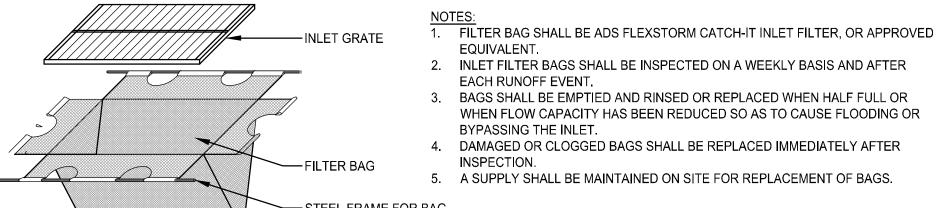
STABILIZED CONSTRUCTION ENTRANCE

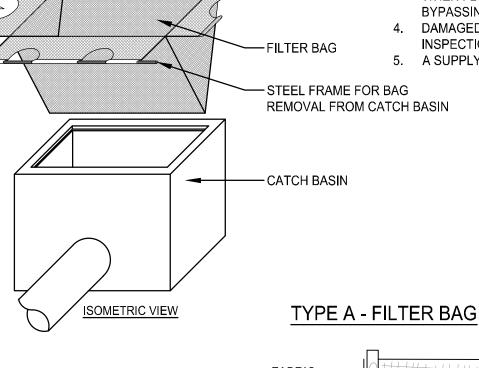


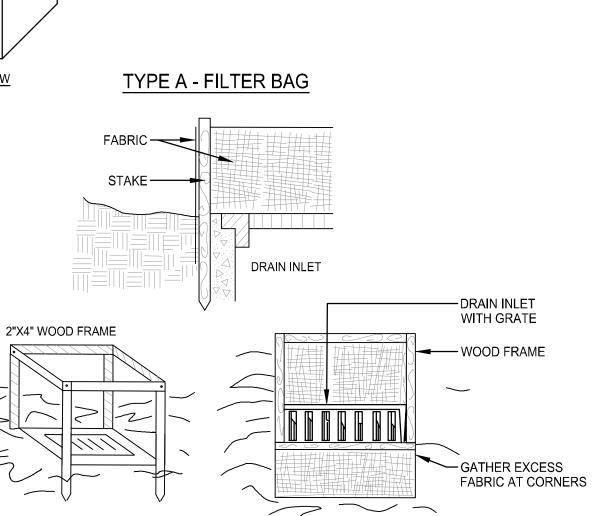
- 4. PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- 6. FILTER FABRIC AND WWF OR TENSLAR MAT SHALL BE ON THE NYSDOT APPROVED MATERIAL LIST FOR SILT FENCE.

SILT FENCE

Scale: NTS



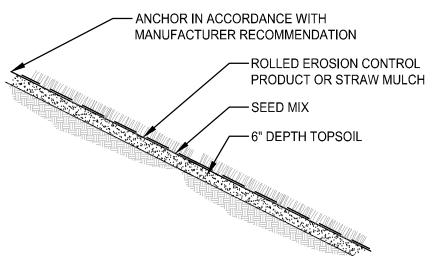




CONSTRUCTION SPECIFICATIONS:

- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE. 3. STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
- 4. SPACES STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACK-FILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME 6. A 2"X4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

TYPE B - FABRIC PROTECTION



 ALL SLOPES 3:1 OR GREATER SHALL BE STABILIZED IN STRICT ACCORDANCE WITH SPECIFICATIONS, THE PROJECT SWPPP AND PROJECT DETAILS.

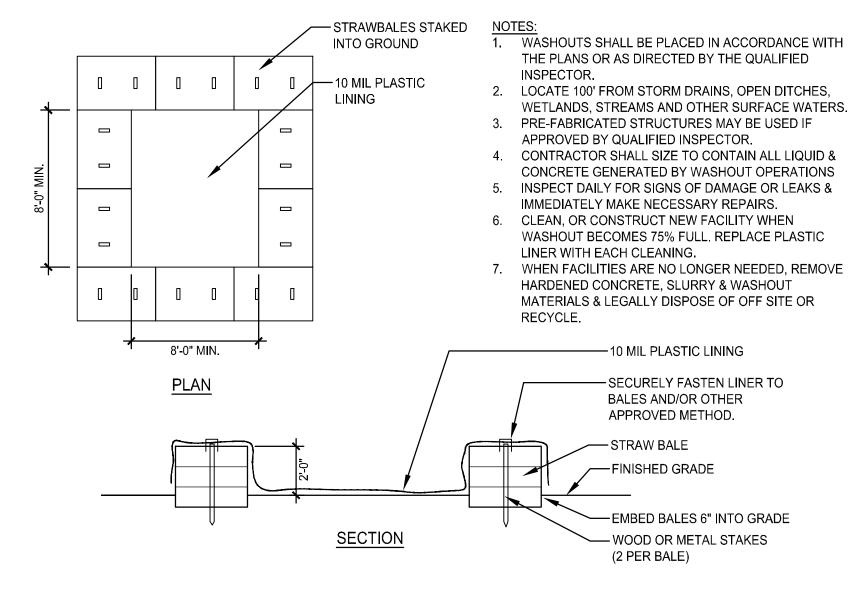
> INSTALL EROSION CONTROL PRODUCTS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SEED MIX SHALL BE 'COMMERCIAL CONSERVATION SEED MIX' BY ERNST SEED OR APPROVED EQUAL.

> ROLLED EROSION CONTROL PRODUCT SHALL BE 'ECS-2B' BY EAST COAST ENVIRONMENTAL OR APPROVED EQUAL.

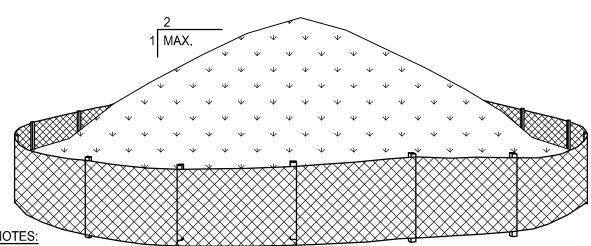
 ANY PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

TEMPORARY STABILIZATION WITH SEED AND STRAW MULCH SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROJECT SWPPP.

PERMANENT SLOPE STABILIZATION

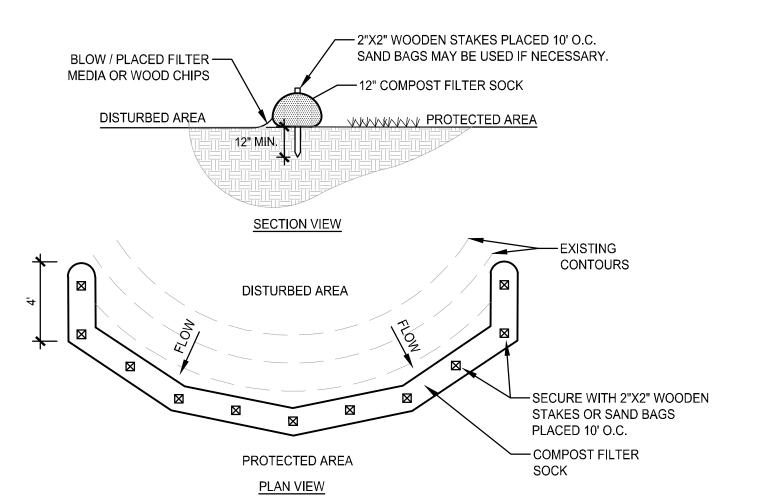


CONCRETE WASHOUT



- 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1. MAXIMUM HEIGHT SHALL BE 12 FEET. 3. EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALE DIKE, IN
- ACCORDANCE WITH PROJECT DETAILS.
- 4. IF DEEMED NECESSARY BY THE QUALIFIED INSPECTOR, A PERIMETER DIKE/SWALE SHALL BE LOCATED UP-SLOPE OF THE TOPSOIL STOCKPILE.

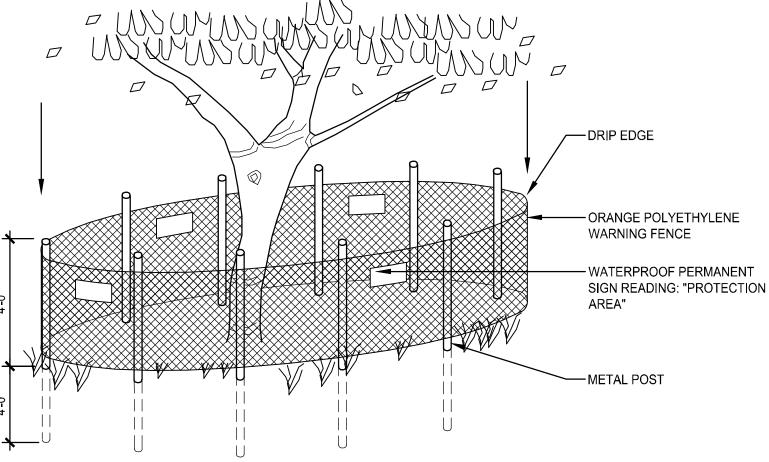
TEMPORARY STOCKPILE



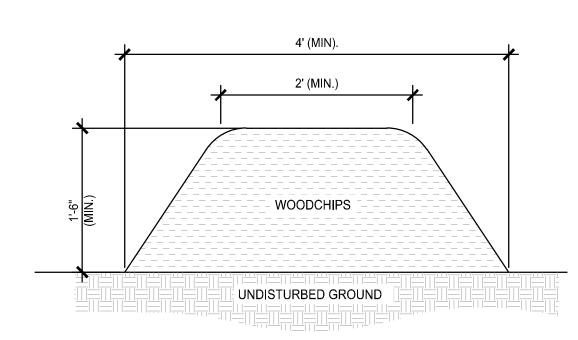
1. FILTER SOCK SHALL BE 12" "SILTSOXX" FOR PERIMETER CONTROL BY FILTRE XX

- OR EQUAL AS APPROVED BY THE QUALIFIED INSPECTOR. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- 2. PLACE FILTER SOCKS PARALLEL WITH CONTOURS. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHED ½ HEIGHT OF THE SOCK.
- 4. INSPECT WEEKLY & REPAIR DAMAGE / DEFICIENCIES WITHIN 24 HOURS.

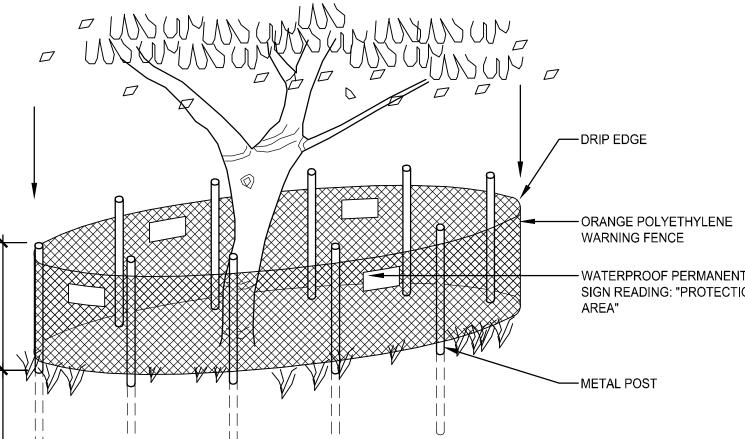
COMPOST FILTER SOCK



TREE PROTECTION FENCING



WOOD CHIP FILTER BERM



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Ellsworth, ME 04605

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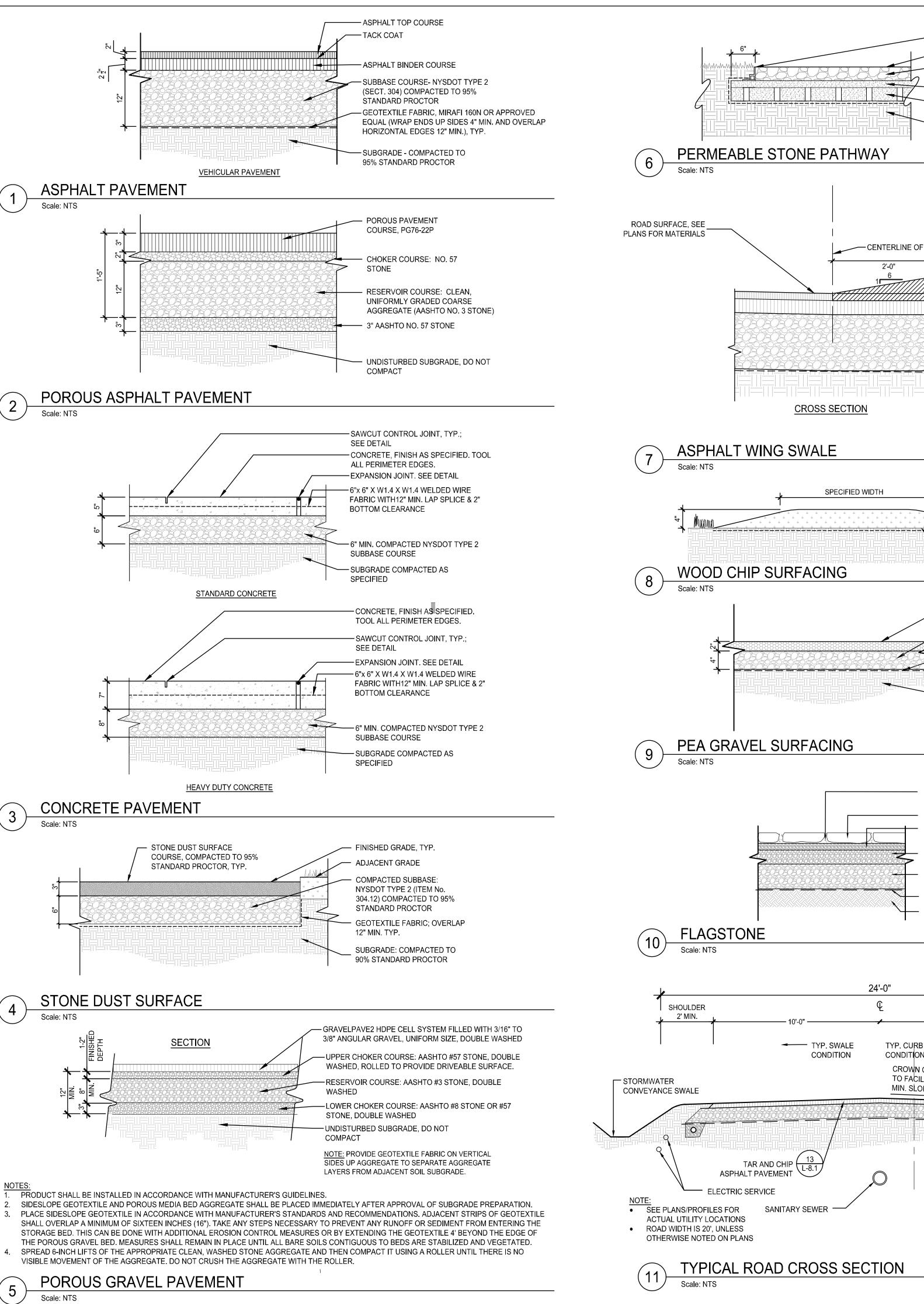
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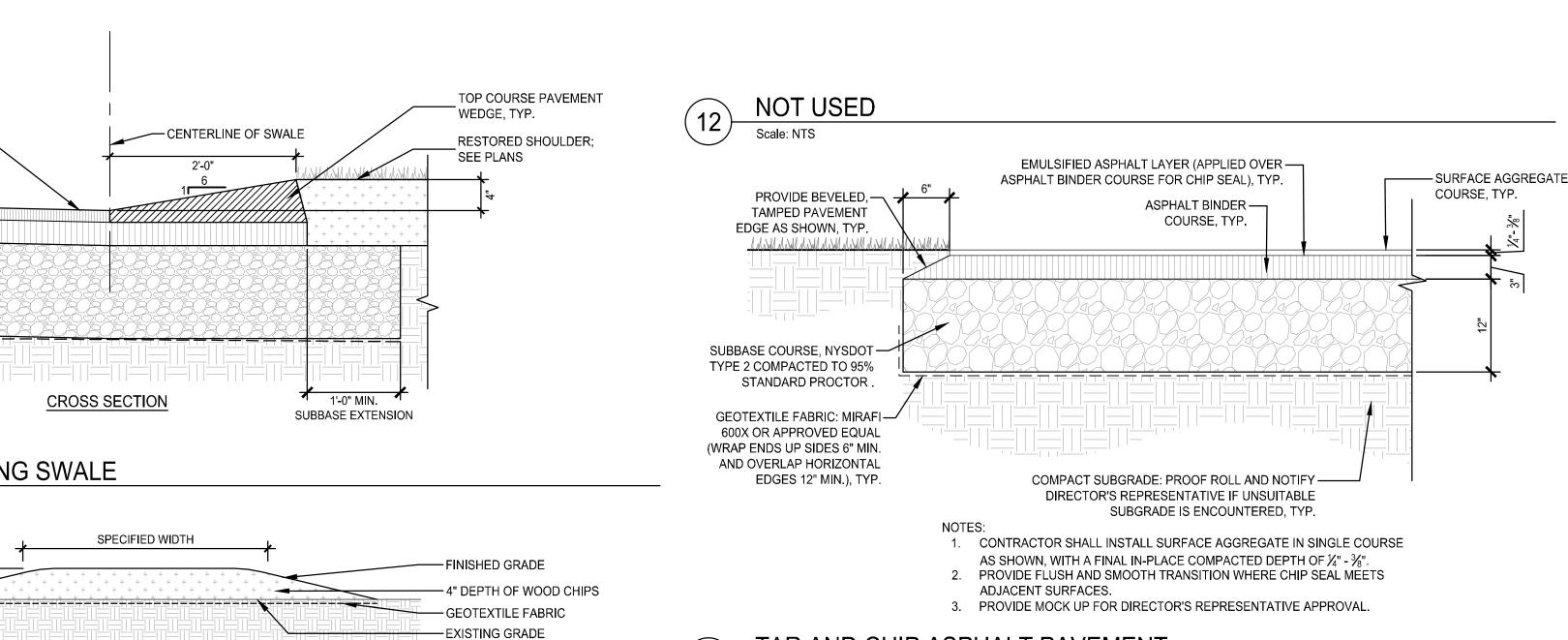
Drawing Title SITE DETAILS

Drawing No.

L-8.0

INLET PROTECTION





- ALUMINUM EDGING RESTRAINT

2" MIN. GRAVEL-LOK MIX WITH

OR POURED ONTO NO. 8 STONE

-1" CLEAN NO. 67 STONE OVERFILL

FILLED WITH CLEAN NO. 67 STONE

- SUBGRADE, DO NOT COMPACT

- 4" CELL-TEK LSG (LOAD SUPPORT GRID)

EXISTING SUBGRADE

— PEA GRAVEL, OR AASHTO #57 STONE

- 50/50 BLEND OF NYS DOT NO. 1 AND

HORIZONTAL EDGES 12" MIN.), TYP.

— EXISTING SUBGRADE, DO NOT COMPACT

- SEPARATION FABRIC, MIRAFI 160N APPROVED

EQUAL (WRAP ENDS UP SIDES 4" MIN. AND OVERLAP

NO. 2 CRUSHED STONE

PEA GRAVEL OR NO. 8 STONE JOINT AGGREGATE

2" BEDDING STONE, AASHTO NO. 8

4" COMPACTED STONE SUBBASE, AASHTO NO. 57.

4" COMPACTED STONE BASE COURSE, AASHTO NO. 2.

CURB AND

STABILIZE SIDE

SLOPES, (TYP).

SEED AND -

SUBSURFACE

WHERE REQUIRED

FABRIC, WHERE

DRAINAGE,

REQUIRED.

WATER SERVICE

— GEOTEXTILE

SHOULDER

2' MIN.

COMPACT TO MIN. 95% STANDARD PROCTOR.

COMPACT TO MIN. 95% STANDARD PROCTOR.

MOUNTABLE -

CURB

TYP. CURB ---

CROWN OR CROSS PITCH

TO FACILITATE DRAINAGE

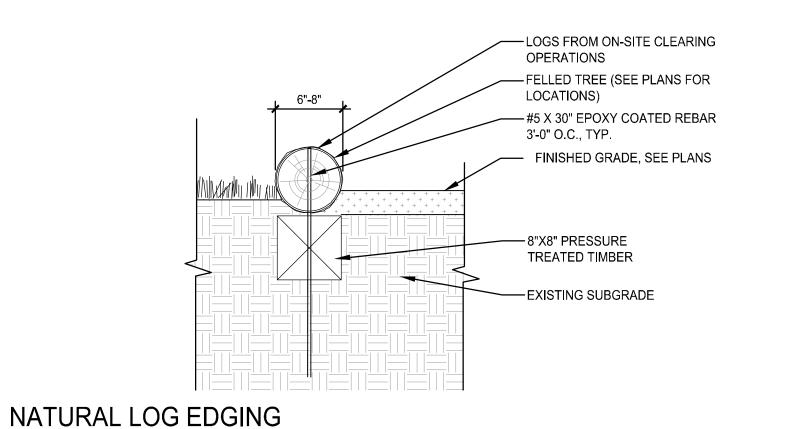
MIN. SLOPE 1/4" PER FT.

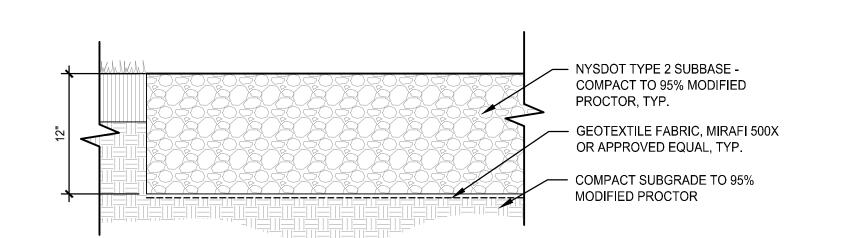
CONDITION

EXISTING SUBGRADE, DO NOT COMPACT.

FLAGSTONE PAVERS

-2-3 ROLLER COATS OF GRAVEL-LOK LIQUID





VEHICULAR GRAVEL PAVEMENT

TAR AND CHIP ASPHALT PAVEMENT



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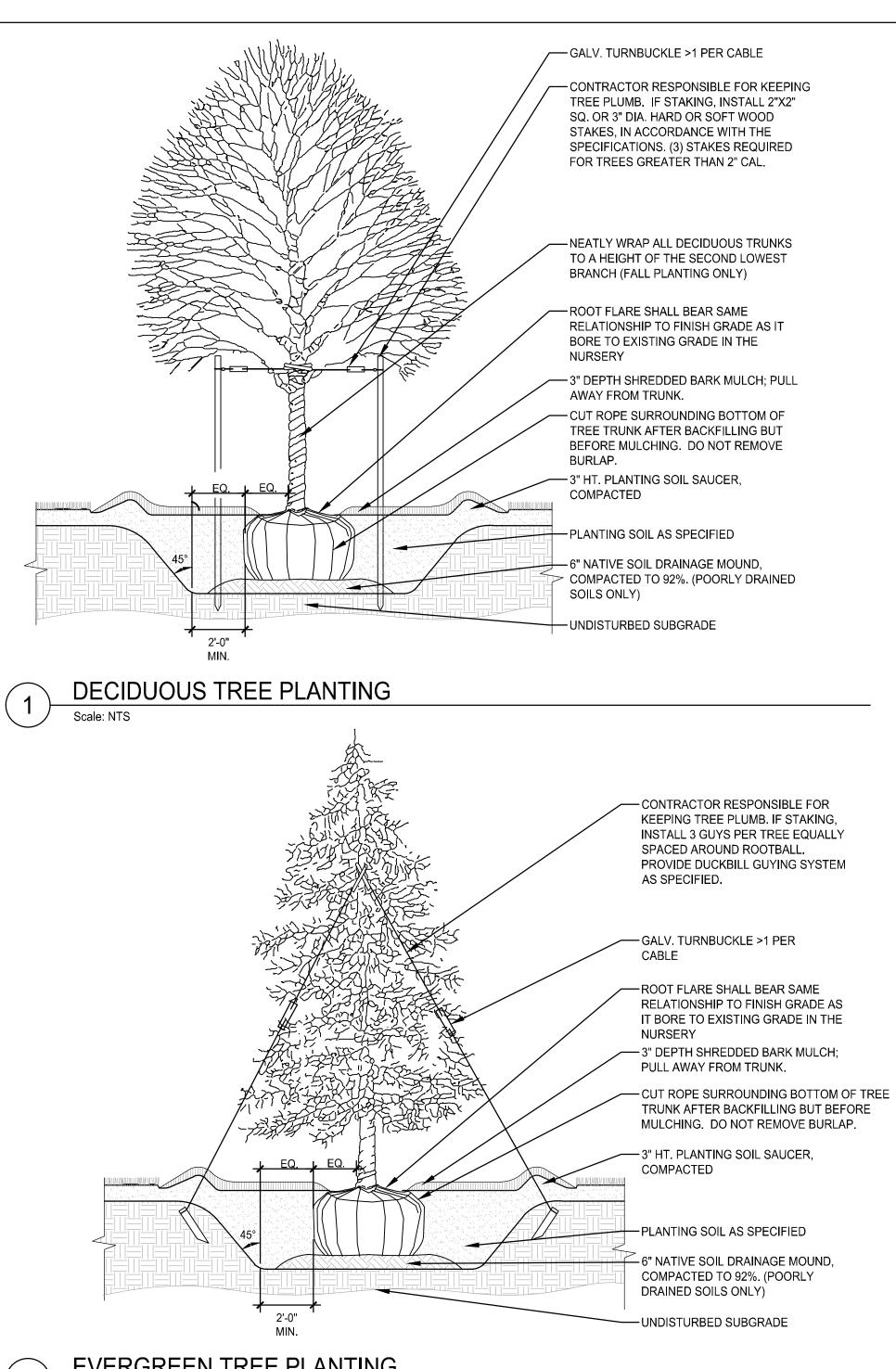
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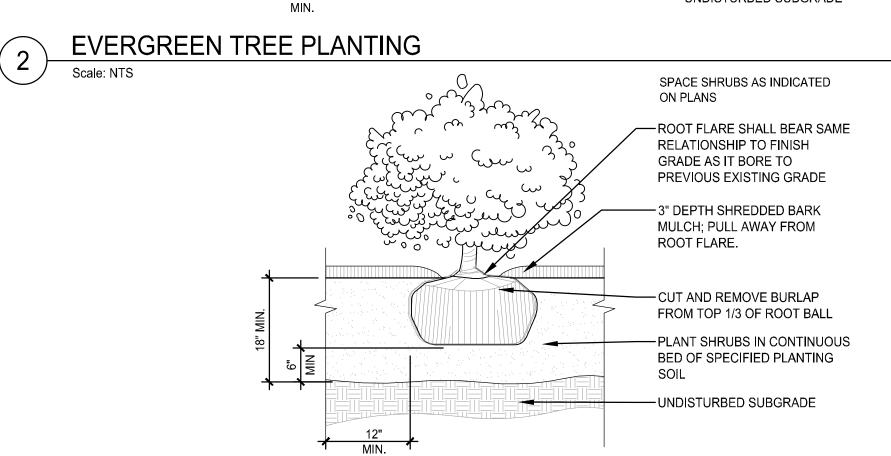
L-8.1

POROUS GRAVEL PAVEMENT

Scale: NTS

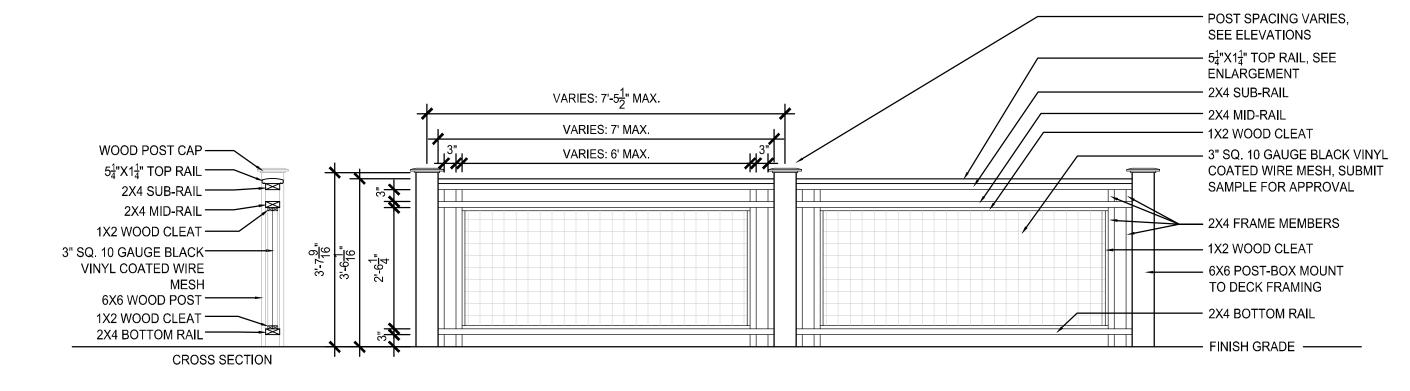
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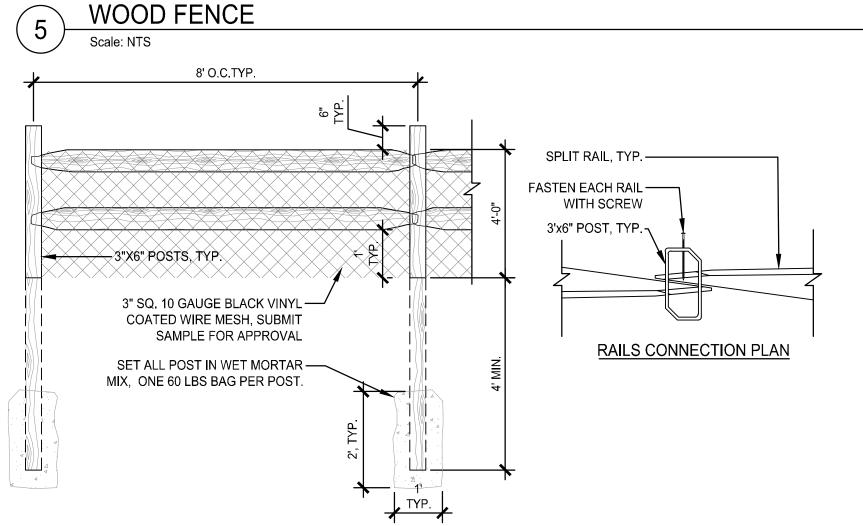




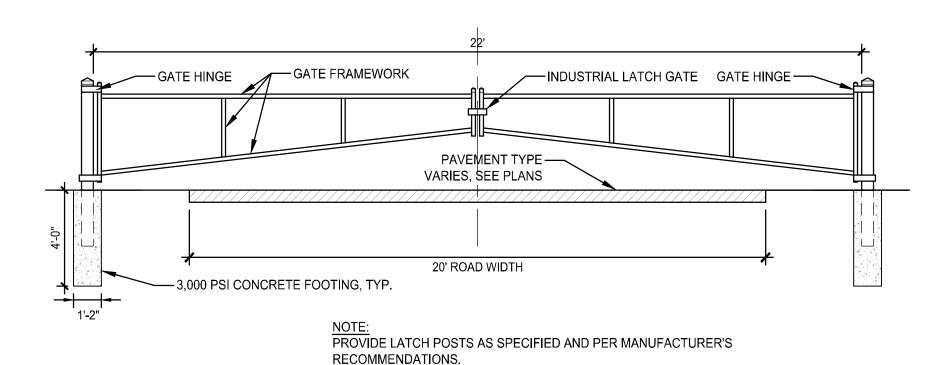
 $^{-}$ 3/16" X 4" ANODIZED BLACK ALUMINUM EDGING. SET $\frac{1}{2}$ " MAX ABOVE CONTAINED SURFACING. SET ADJACENT LAWN / FLUSH WITH TOP. — FINISHED GRADE/SURFACING, SEE PLANS. SEE PLANS FOR FINISHED SURFACE —— TREATMENT PROVIDE 18" STAKES AT 24" O.C. OR AS— RECOMMENDED BY MANUFACTURER

ALUMINUM LANDSCAPE EDGING

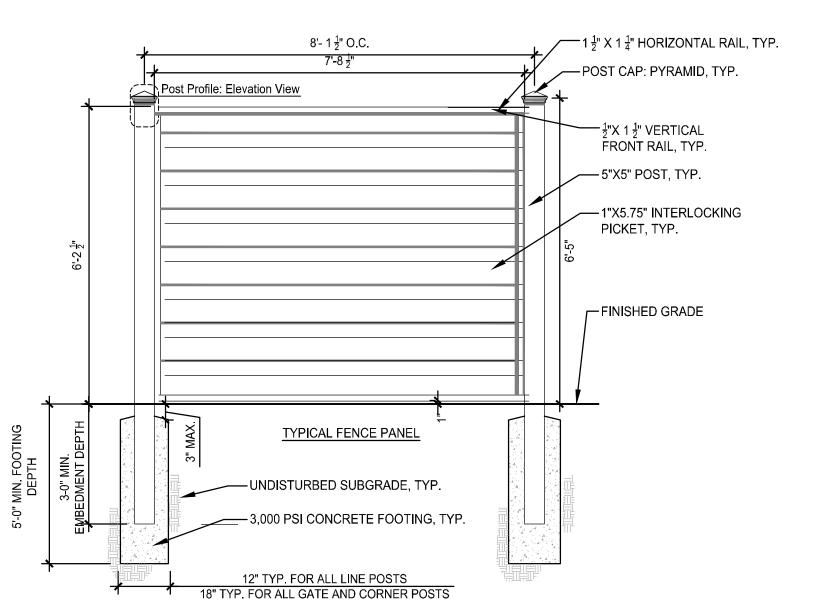


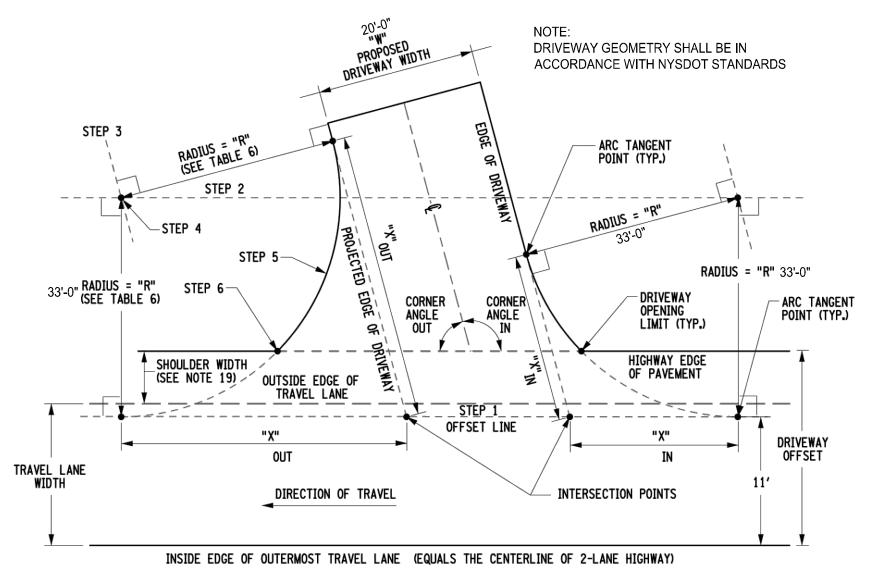


SPLIT RAIL FENCE WITH MESH



VEHICULAR GATE





VALID FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAYS (FOR THE VALUES OF "R" AND "X" SEE TABLES 6 AND 7, RESPECTIVELY)

NYSDOT STANDARD DRIVEWAY CURB CUT



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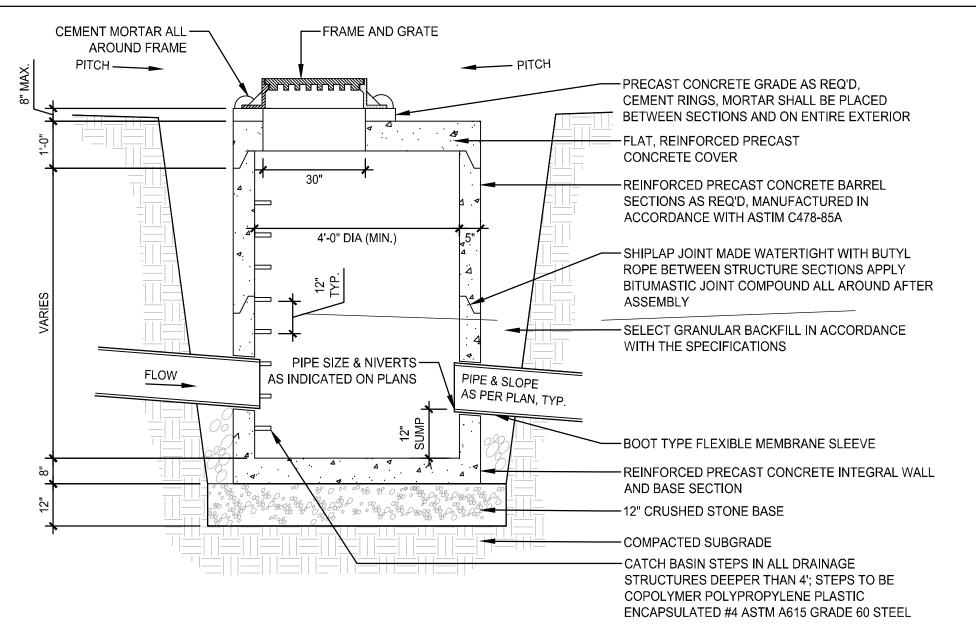
Drawing Title SITE DETAILS

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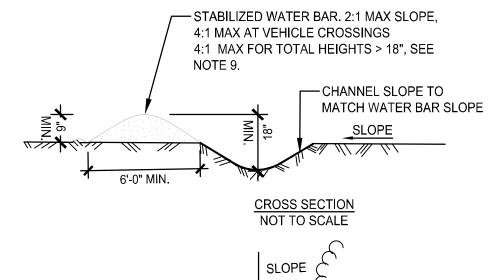
L-8.2

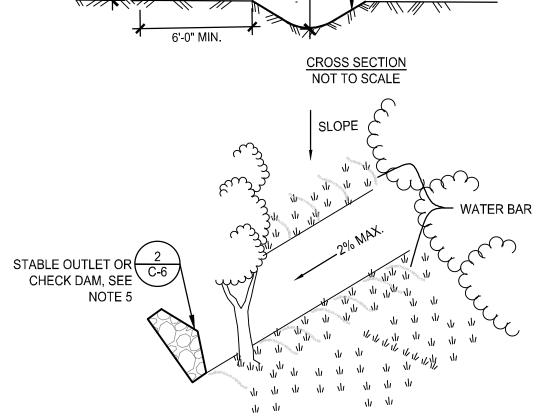
SHRUB PLANTING Scale: NTS

COMPOSITE FENCE



CATCH BASIN





FALL IN 50' OF LENGTH (2%).

NOTE: WATER BARS SHALL BE PLACED PERPENDICULAR TO

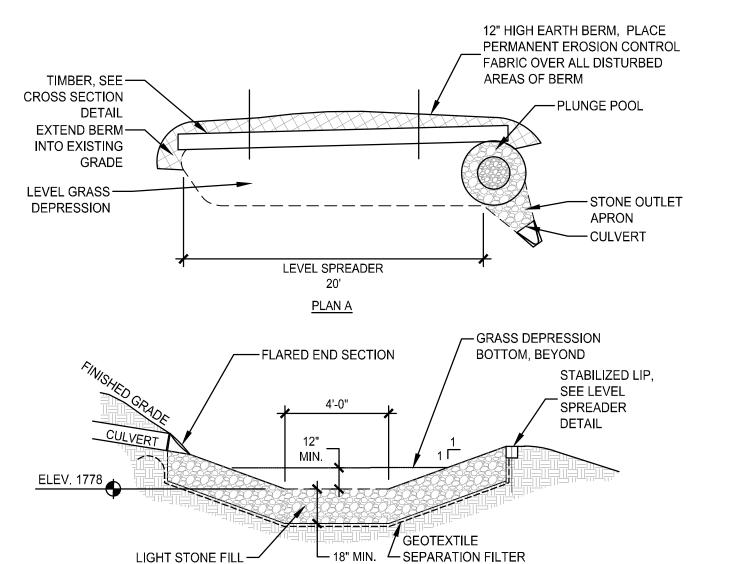
THE SLOPE, NEARLY FLAT SO THAT MAXIMUM PITCH IS 1' OF

CONSTRUCTION SPECIFICATIONS:

- 1. INSTALL THE WATER BAR AS SOON AS THE CORRIDOR
- IS CLEARED AND GRADED. 2. DISK OR STRIP THE SOD FROM THE BASE FOR THE CONSTRUCTED RIDGE BEFORE PLACING FILL.
- 3. TRACK THE RIDGE TO COMPACT IT TO THE DESIGN CROSS SECTION.
- 4. POSITIVE GRADE OF WATER BAR SHALL NOT EXCEED 2%. A CROSSING ANGLE OF 60° IS PREFERRED. 5. THE OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA. FIELD SPACING WILL BE ADJUSTED TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION OR CHECK DAMS WILL BE PROVIDED WHEN NATURAL
- AREAS ARE NOT ADEQUATE. 6. VEHICLE CROSSING SHALL BE STABILIZED WITH GRAVEL. EXPOSED AREAS SHALL BE IMMEDIATELY
- SEEDED AND MULCHED. 7. PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT. CHECK OUTLET AREAS AND MAKE REPAIRS AS NEEDED TO RESTORE OPERATION. 8. WATER BAR SPACING SHALL BE IN ACCORDANCE WITH
- CHART BELOW. WATER BARS WITH A HEIGHT >18" FROM CHANNEL BOTTOM TO WATER BAR RIDGE SHALL HAVE A 4:1 MAX SLOPE.

SLOPE (%)	WATER BAR SPACING (FT)
< 5	125
5 TO 10	100
10 TO 20	75
20 TO 30	50
> 35	25

WATER BAR Scale: NTS



<u>SECTION</u>

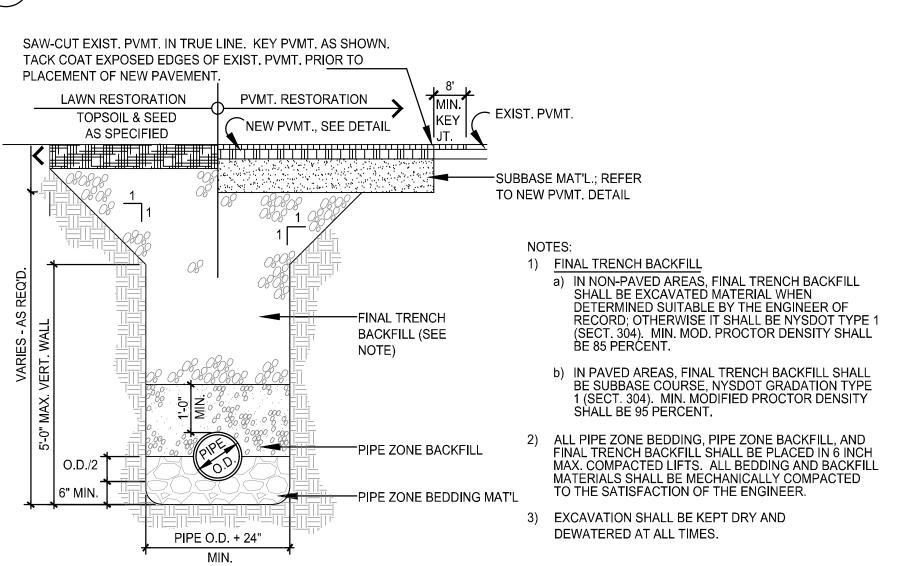
FABRIC

LEVEL SPREADER

INTEGRATED DUCTILE IRON FRAME AND GRATE TO MATCH BASIN O.D. CONCRETE PAVING 12" NYOPLAST DRAINGE BASIN OR APPROVED EQUAL. PIPE ADAPTERS AS REQUIRED — DRAINAGE PIPE, SEE PLANS. - CRUSHED STONE (NYSDOT ITEM 1, TABLE 703-4) COMPACTED SUBGRADE, 90% STD.

YARD DRAIN -CAST IRON MANHOLE FRAME AND COVER FINISHED GRADE — LABELED "STORM" **CLEAR OP'NING** -PRECAST CONCRETE GRADE CONE EXTENSIONS AS REQ'D TO **ADJUSTMENTS 6"** ADJUST TO FINISHED GRADE. \ USE MIN. TO 20" MAX. NO PRECAST UNITS CONCRETE BRICK SHIM COURSES **ECCENTRIC** CONE SECTION -PRECAST CONCRETE SECTIONS - 4000 PSI AT 28 DAYS, AIR - ENTRAINED REINFORCED PLASTIC — - JOINTS BUTYL SEALED -NON-SLIP STEPS PER INDUSTRY STD. OR NYSDOT 725-02.01 A.O.B.E RISER SECTION 4'-0" ID MIN. - SIZE AND LOCATION OF PIPES AS SPECIFIED BOTTOM SECTION -12" CRUSHED STONE

STORMWATER MANHOLE Scale: NTS

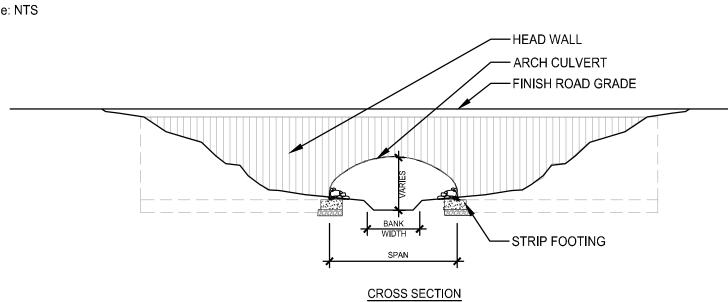


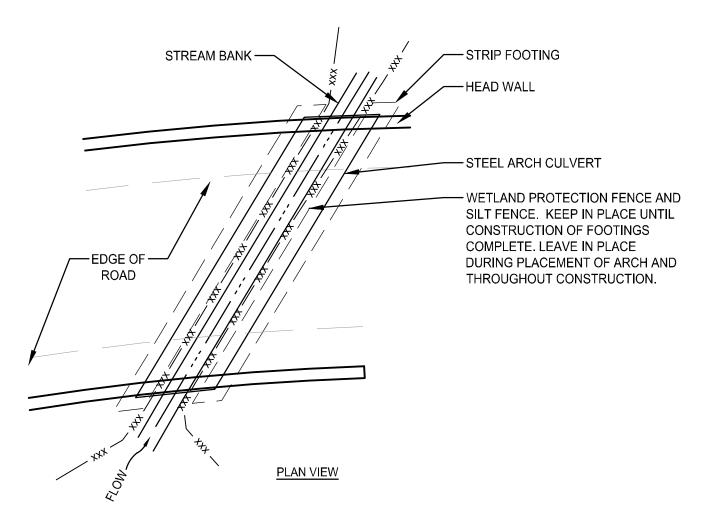
ITEM	DEPTH	MATERIAL	NYSDOT SIZE	METHOD OF PLACEMENT
PIPE ZONE BEDDING	6" MIN. + PIPE O.D./2	CRUSHED AGGREGATE	1A	MECHANICAL COMPACTION
PIPE ZONE BACKFILL	12' MIN. COVER	CLEAN SAND OR COARSE AGG.	1A OR 1	MECHANICAL COMPACTION
FINAL TRENCH BACKFILL	VARIES	SEE NOTES	SEE NOTE	MECHANICAL COMPACTION

TYPICAL TRENCH

ORANGE POLYETHYLENE ——— WATERPROOF PERMANENT SIGN _____ WARNING FENCE READING: PROTECTED AREA, NO EQUIPMENT NO DISTURBANCE METAL POST; OR EQUAL 10' O.C. MAX. STREAM / WETLAND PROTECTION FENCE . CONTRACTOR SHALL INSTALL STREAM / WETLAND PROTECTION FENCE AT THE EXISTING / BEGINNING OF THE CONTRACT, AND MAINTAIN WETLAND BOUNDARY THROUGHOUT ITS DURATION. THE PROPOSED UPLAND GRADE OR TOP OF BANK CONTRACTOR SHALL NOT DISTURB EXISTING WETLAND AREAS WITHIN THE FENCED AREAS. 2. FENCE SHALL BE SECURELY FASTENED TO EXISTING WETLAND OR POSTS AT REGULAR INTERVALS TO ENSURE STREAM BANK, NO DISTURBANCE FENCE REMAINS TAUGHT FOR ENTIRE LENGTH AND REGULARLY MAINTAINED AS SUCH. 3. NO MECHANIZED CLEARING OR GROUNDS DISTURBANCE IS PERMITTED IN WETLAND SILT FENCE, IF APPLICABLE

WETLAND PROTECTION FENCE





ARCH CULVERT Scale: NTS

-UNDISTURBED SUBGRADE

OR ADDITIONAL

A.O.B.E.

FOUNDATION STONE

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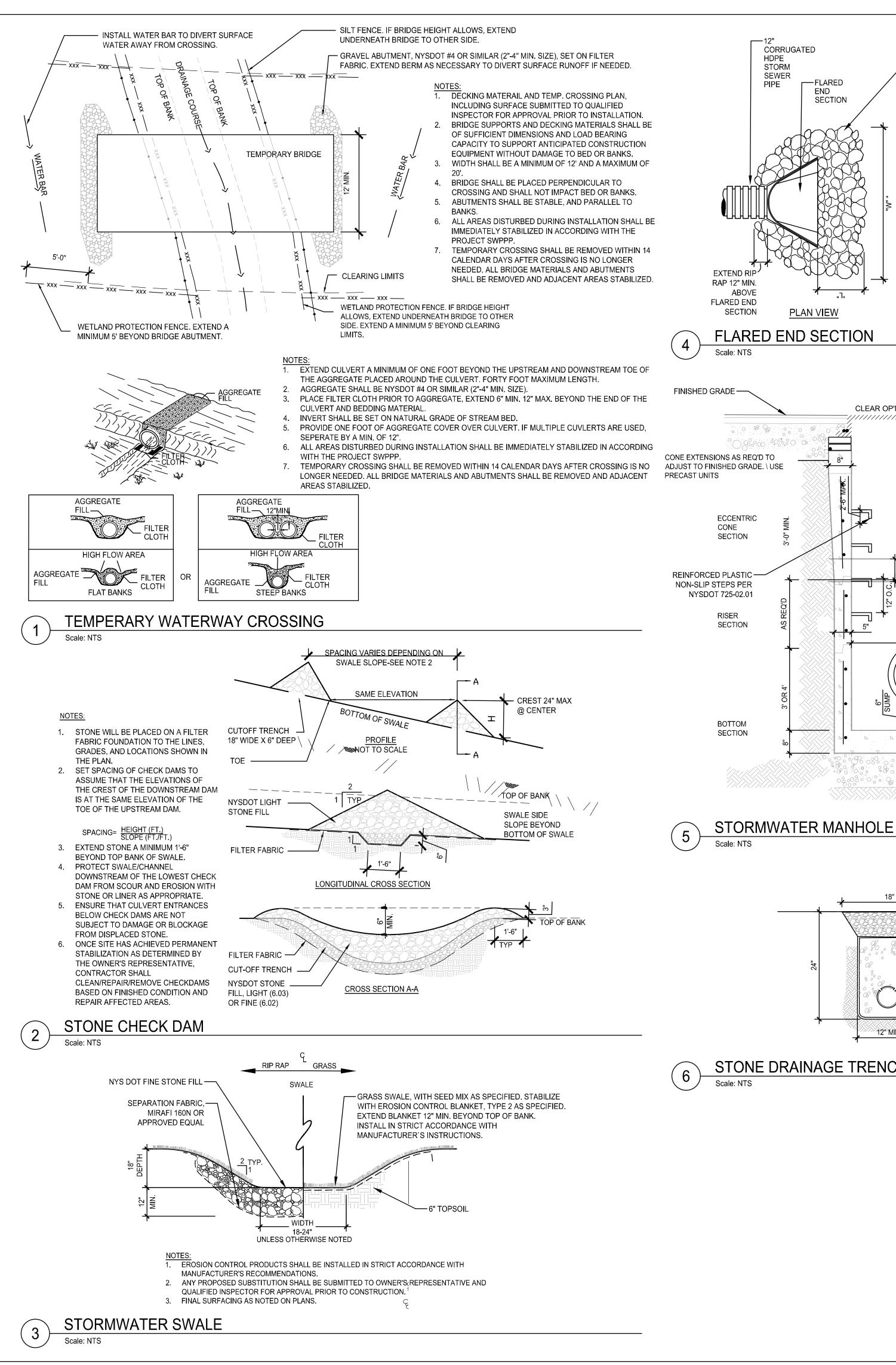
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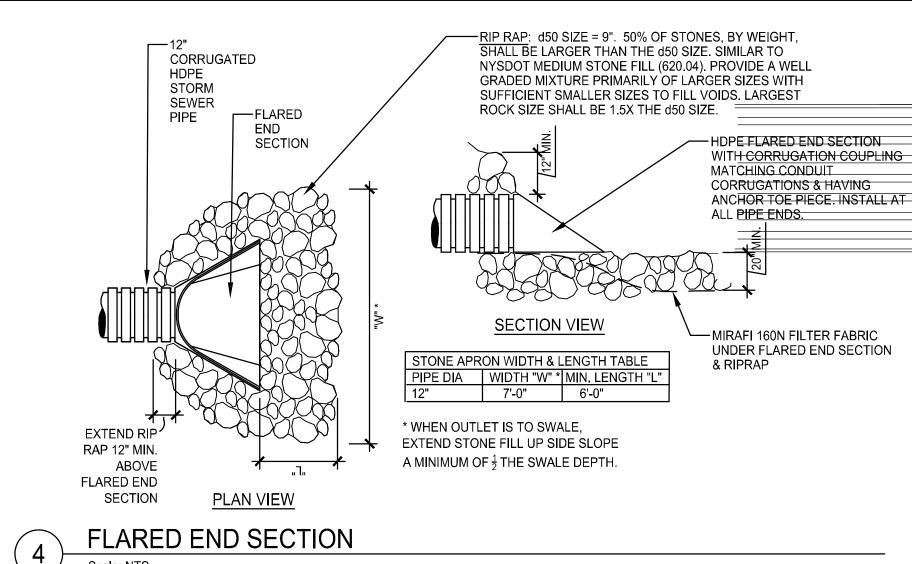
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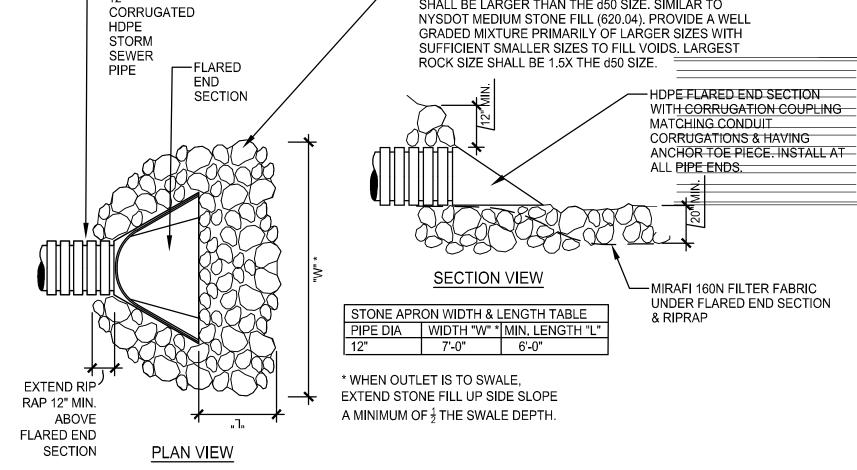
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L-8.3

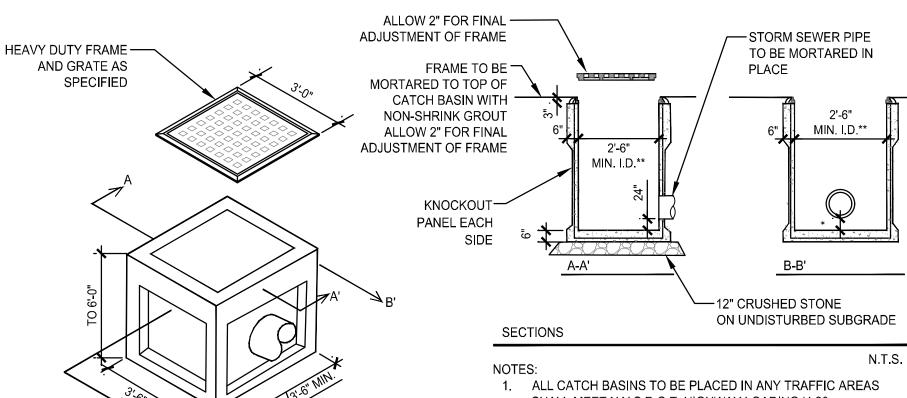




CLEAR OP'NING



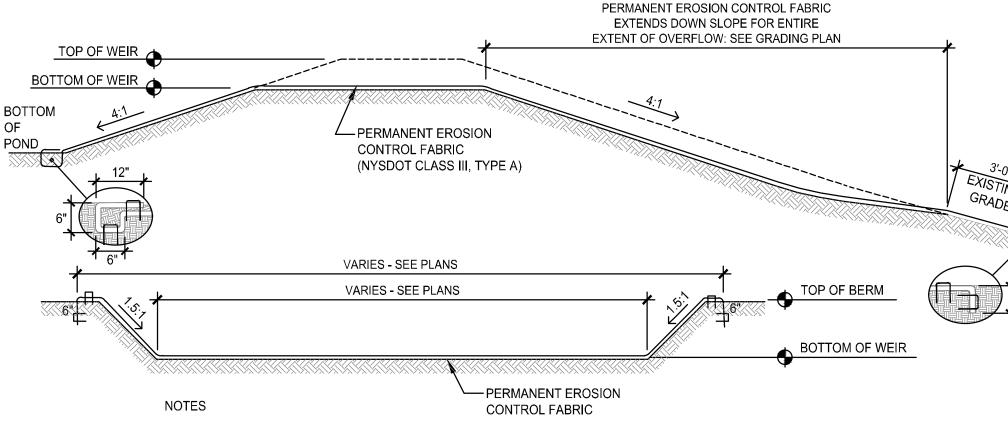
4'-0" ID MIN.



SHALL MEET N.Y.S.D.O.T. HIGHWAY LOADING H-20

2. CONCRETE - 4000 PSI @ 28 DAYS MIN. REINFORCMENT -6x6 - 10/10 WWM ALL FOUR SIDES AND BOTTOM (CONFORM TO ASTM STD. A-615)

SHALLOW CATCH BASIN



1. ROLL EROSION CONTROL FABRIC IN DIRECTION OF WATER FLOW. ALL FABRIC SHALL BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS. (STAPLE PATTERN E)

2. PLACE CONSECUTIVE RECP'S END-OVER-END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE RECP.

3. ADJACENT RECP SHALL BE OVERLAPPED 2"-5" AND STAPLED.

STABILIZED OVERFLOW WEIR

-NYSDOT 1"-4" ROUNDED COBBLE FILL. -FINISHED GRADE PERFORATED 6" HDPE UNDERDRAIN, 2 ROW PERFORATIONS AT 120° FACING UP. -5% BLEND OF #1 & #2 STONE WRAP STONE IN SEPARATION FABRIC. 12" MIN MIRAFI 160N OR APPROVED EQUAL, OVERLAP MIN. 12" AT ENDS STONE DRAINAGE TRENCH

-CAST IRON MANHOLE

GRADE

-PRECAST CONCRETE

ADJUSTMENTS 6"

CONCRETE BRICK

SHIM COURSES

MIN. TO 20" MAX. NO

-PRECAST CONCRETE

SECTIONS - 4000 PSI AT 28

DAYS, AIR - ENTRAINED

- JOINTS BUTYL SEALED -

INDUSTRY STD. OR

- SIZE AND LOCATION

-12" CRUSHED STONE

FOUNDATION STONE

OR ADDITIONAL

A.O.B.E.

-UNDISTURBED SUBGRADE

OF PIPES AS

SPECIFIED

A.O.B.E

FRAME AND COVER

LABELED "STORM"

STABILIZED OVERFLOW WEIR OVERFLOW PIPE-PROVIDE 12" MAX, PONDING DEPTH. PLANTING, (SEE NOTES) AND 3" MULCH LAYER GRASS FILTER STRIP FILTER MEDIA SHALL BE A UNIFORM MIXTURE OF 70% SAND (100% PASSING THE 1" SIEVE AND 5% PASSING THE NO. 200 SIEVE) AND 30% TOPSOIL WITH AN AVERAGE OF 5% ORGANIC MATERIAL 3" WASHED PEA GRAVEL DIAPHRAGM. 1"-1 ½" POORLY GRADED, WASHED STONE, WRAPPED IN FILTER FABRIC WITH 12" OVERLAP. S" LATERAL PERF. PVC PIPE, SET LEVEL. CONNECT TO SOLID PVC DRAIN PIPE AT LIMITS OF FACILITY. 6" LONGITUDINAL PERF. PVC PIPE. SET LEVEL. CONNECT TO LATERALS. 6" SOLID PVC PIPE. TIE TO DRAINAGE SYSTEM OR EXTEND TO DAYLIGHT

1. EACH BIORETENTION AREA SHALL HAVE (8) SHRUBS AND (12) HERBACEOUS/PERENNIALS PER 1,000 SQUARE FEET OF SURFACE AREA. 2. PLANTS SHALL BE SPACED IN NATURAL GROUPINGS TO EXTENTS OF BIORETENTION AREA. THE MINIMUM SPACING FOR SHRUBS SHALL BE 0.75 TIMES THE MATURE WIDTH. 3. FINAL PLANTING PLAN TO BE PROVIDED BY LANDSCAPE ARCHITECT AND

APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. 4. 2' SEPARATION SHALL BE MAINTAINED BETWEEN THE BOTTOM OF THE FILTER AND GROUNDWATER OR BED ROCK. IN THE EVENT THIS SEPARATION CANNOT BE ACHIEVED, A 30 MIL POLY/PVC LINER SHALL BE PROVIDED AT THE BOTTOM AND SIDES OF THE PRACTICE SEPARATING THE GRAVEL AND FILTER MEDIA FROM ADJACENT SUB-SOILS.

BIORETENTION BASIN

People. Purpose. Place. **#**: 518-587-8100 £ 518-587-0180 Saratoga Springs

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Architect: DGC Architects 40 Church Street, Studio A Ellsworth, ME 04605

Traffic Engineer: 80 Wolf Road, Suite 300, Albany, NY 12205

Surveyor: Ausfeld & Waldruff 323 Clinton Street Schenectady, NY 12305

Project Title:

Terramor Catskills

NY ROUTE 212 Saugerties, NY 12477

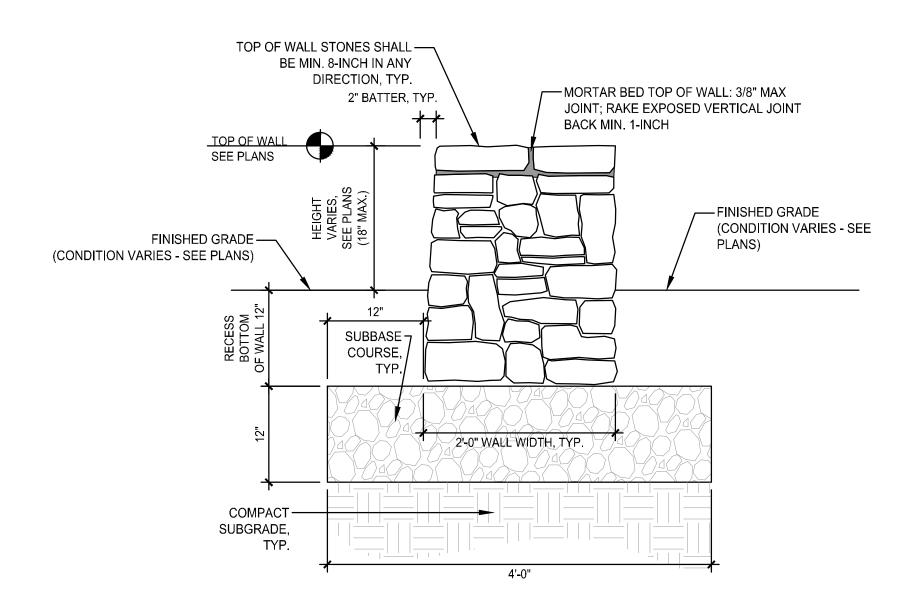
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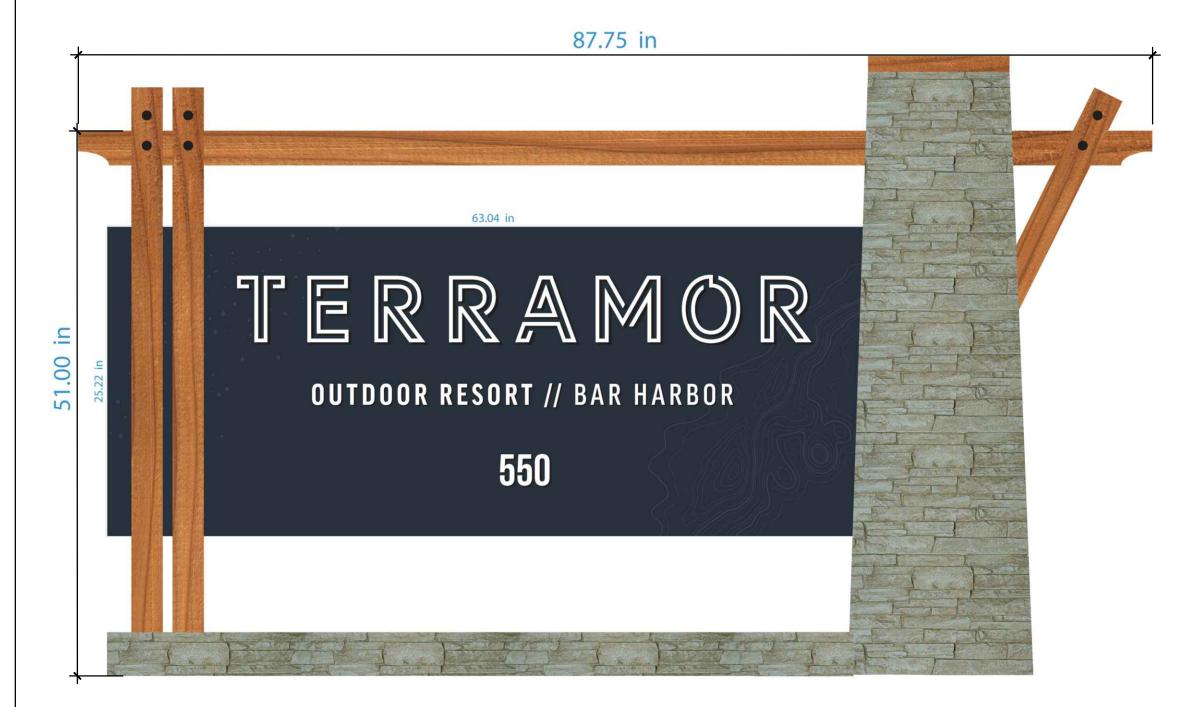
Drawing Title SITE DETAILS

Drawing No.

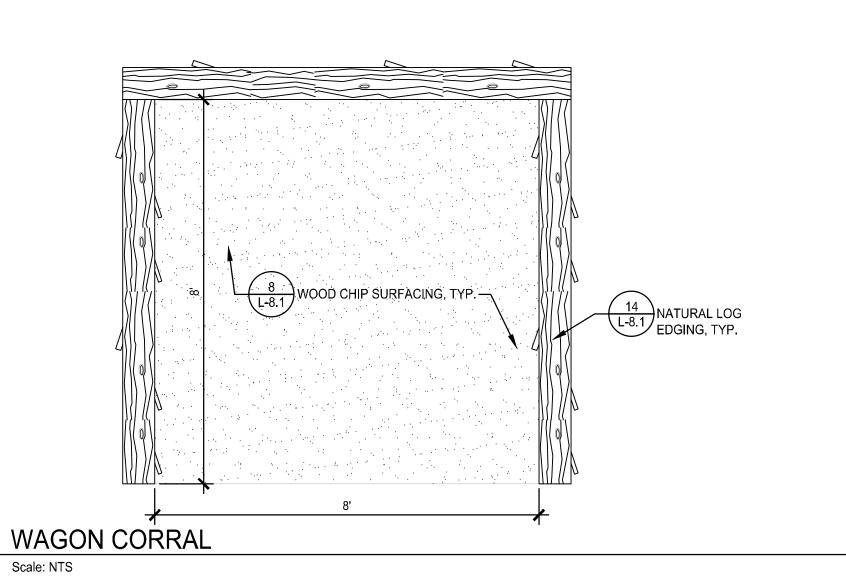
L-8.4

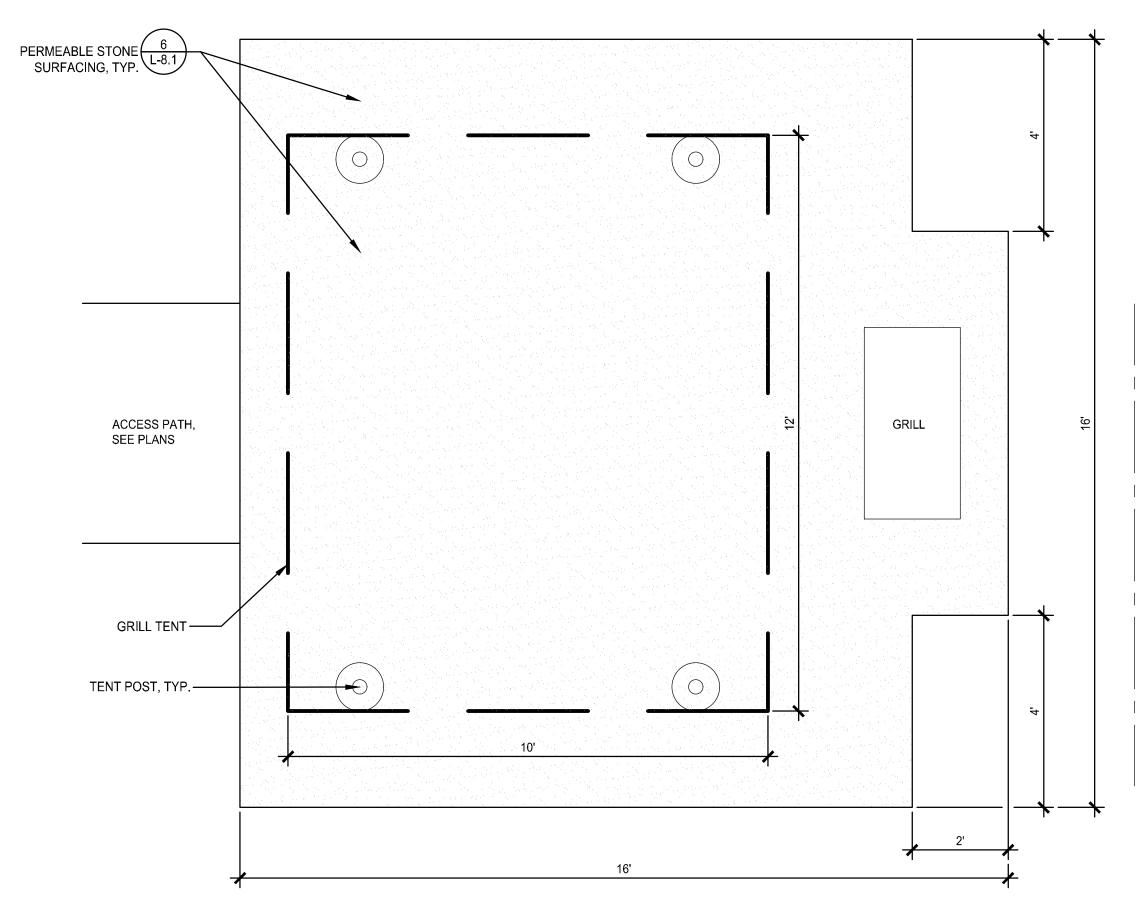


DRY LAID STONE WALL

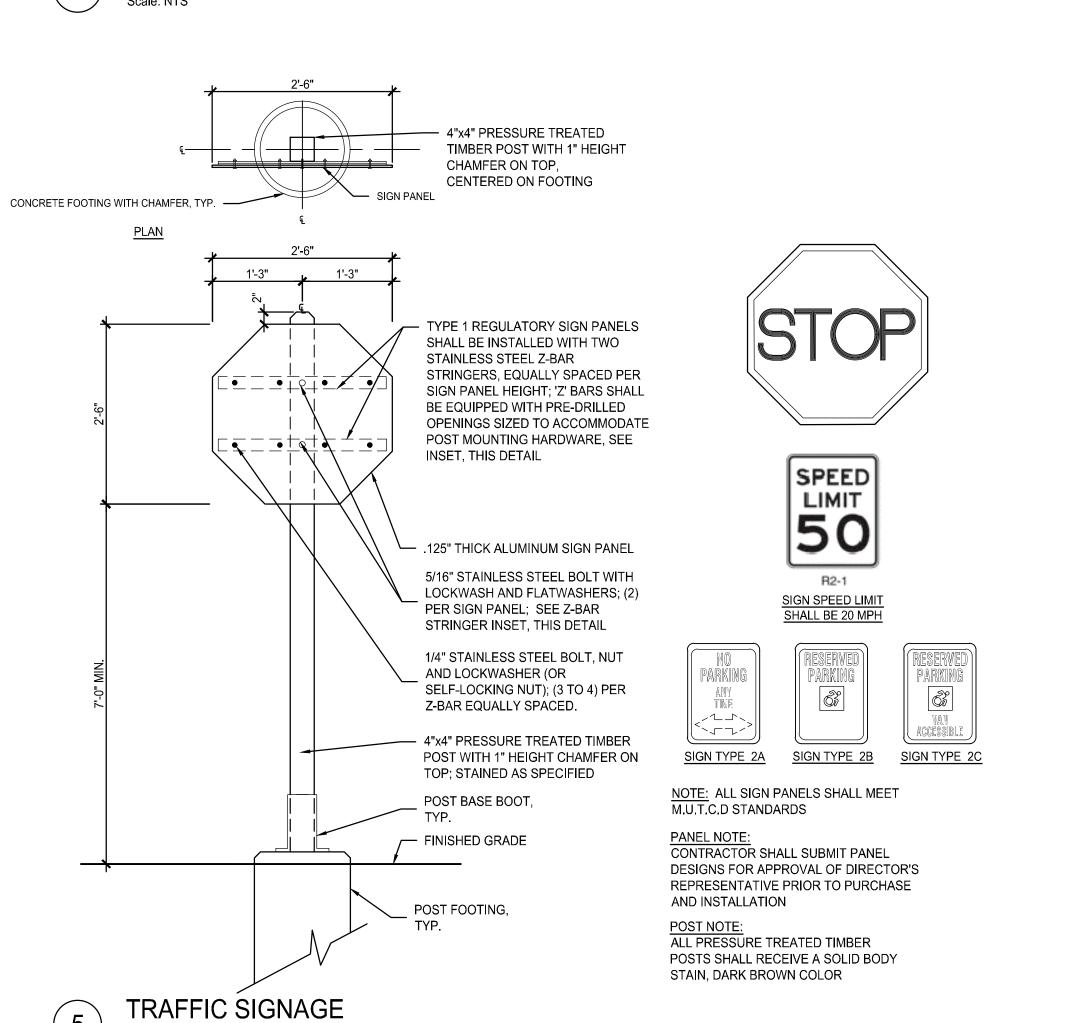


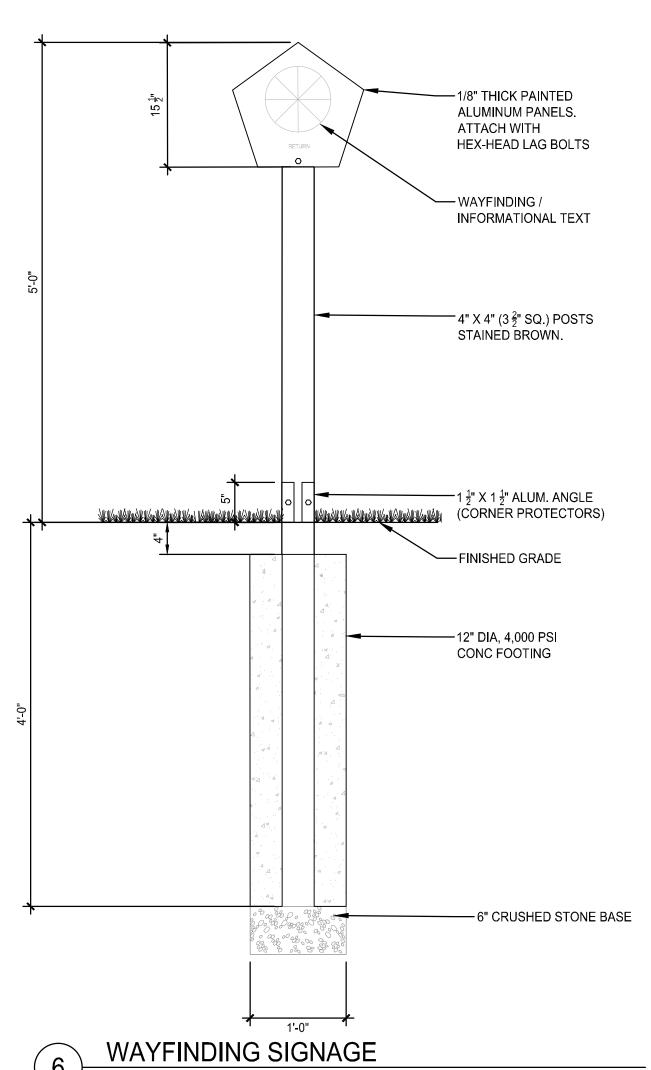
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4 GRILL STATION





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ISSUED FOR: SITE PLAN APPLICATION

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2021096
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awn: BAS Ch'k'd: MJT
ate: 07/01/2022 Scale:

Ev: Description: Date:

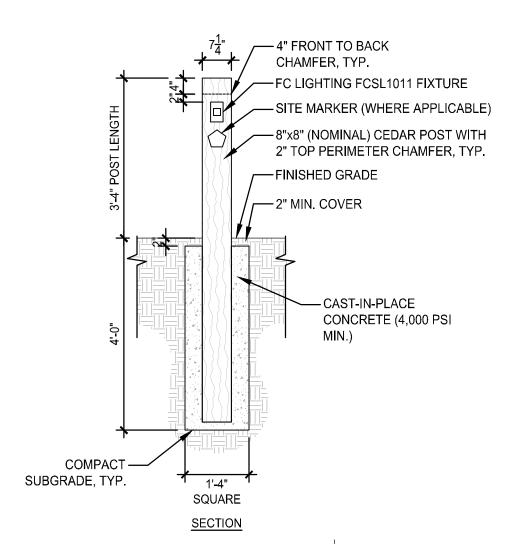
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SITE DETAILS

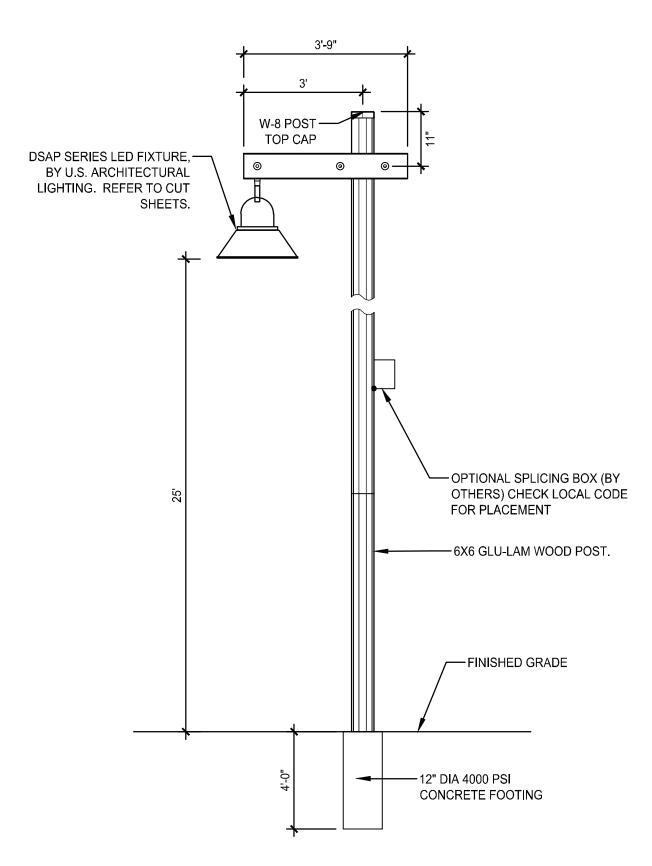
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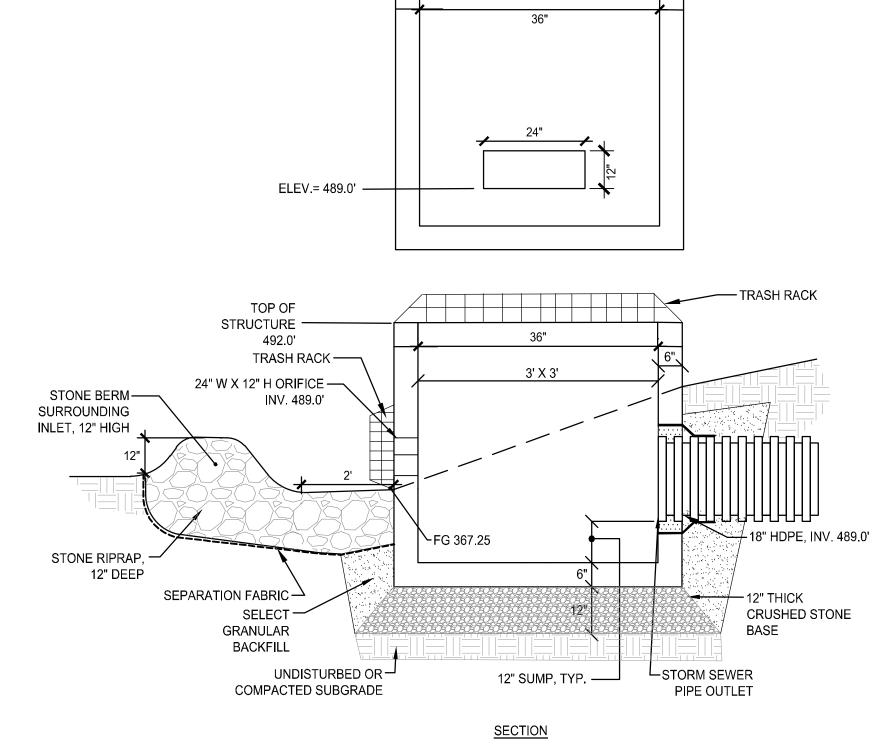
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WOOD BOLLARD WITH LIGHT





ELEV.= 492.0' —

OUTLET CONTROL STRUCTURE

ROAD LIGHT

People. Purpose. Place.

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Saratoga Springs # 518-587-0180
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ISSUED FOR: SITE PLAN APPLICATION

Project No.:			2021096
Design:			MJT/KAC
Drawn:	BAS	Ch'k'd:	MJT
Date:	07/01/2022	Scale:	
Rev:	Description:		Date:

Drawing Title SITE DETAILS

Drawing No.

L-8.6