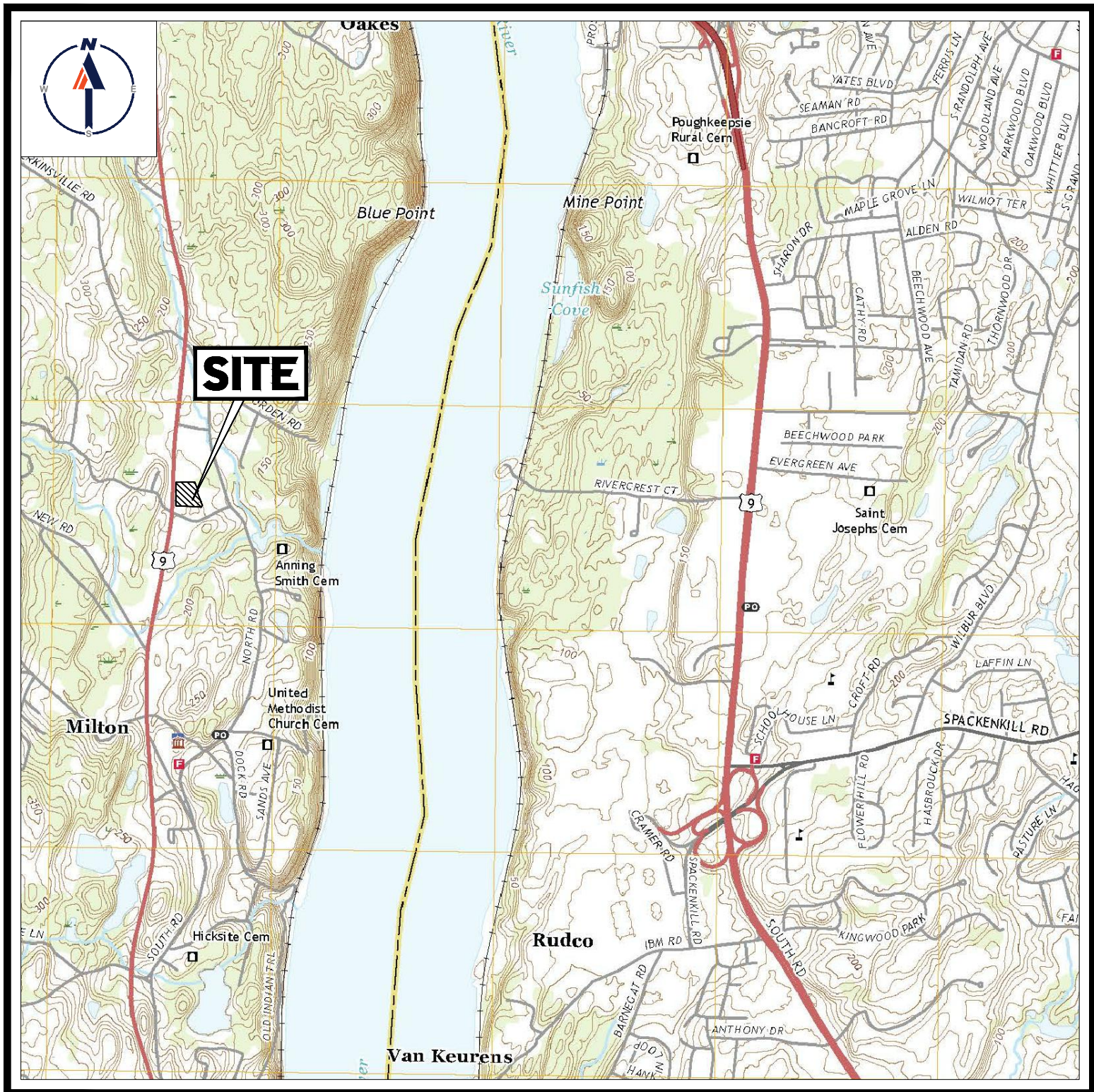


PROPOSED SITE PLAN DOCUMENTS

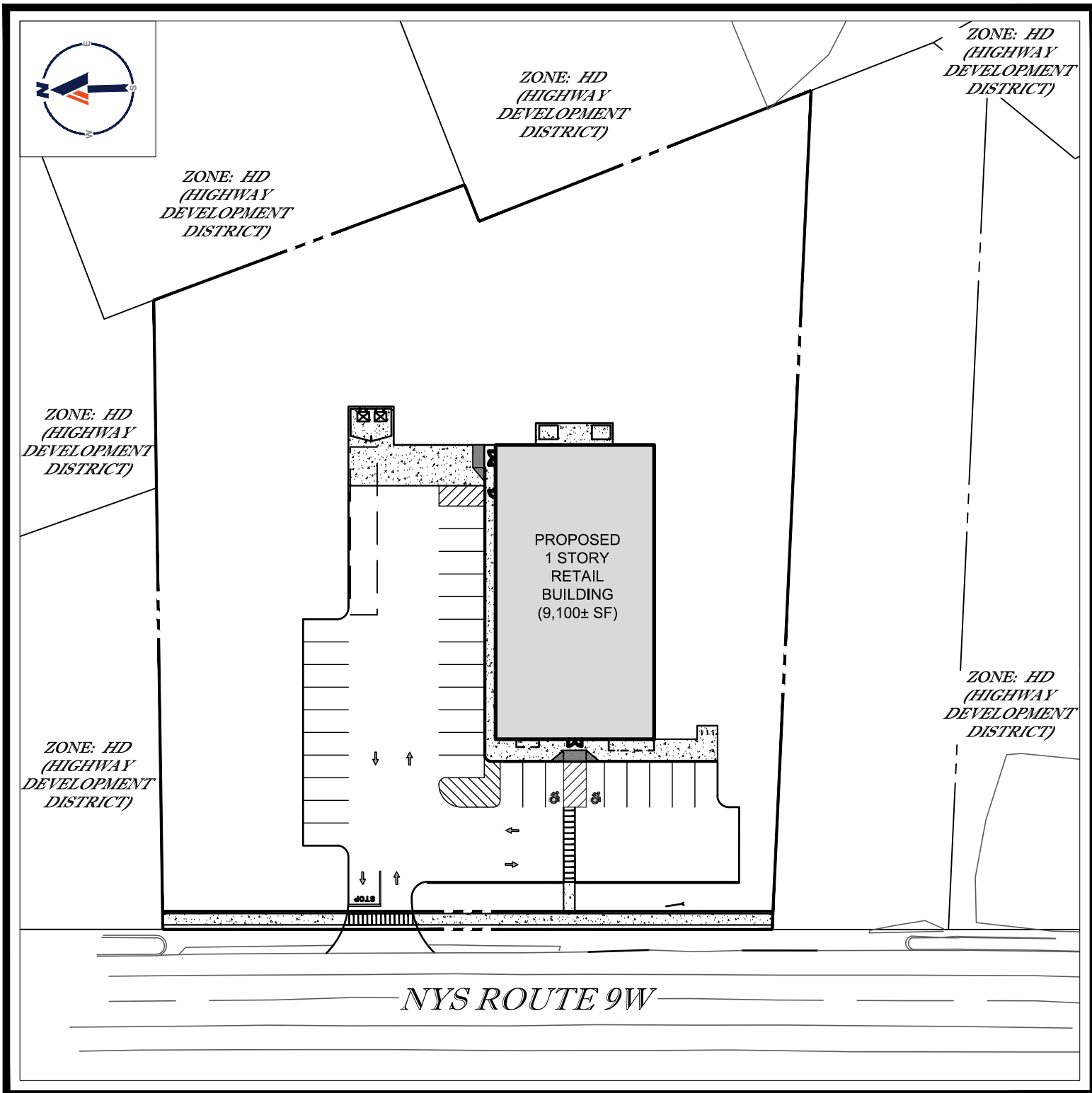
FOR
HSC MILTON, LLC

**DOLLAR
GENERAL®**

LOCATION OF SITE
NYS ROUTE 9W, TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK
MAP 103.1, BLOCK 2, LOT 74



USGS MAP
SCALE: 1" = 2,000'
SOURCE: POUGHKEEPSIE QUADRANGLE



AREA PLAN
SCALE: 1" = 60'

PREPARED BY

BOHLER //

DRAWING SHEET INDEX

SHEET TITLE	SHEET NUMBER
COVER SHEET	C-101
GENERAL NOTES SHEET	C-102
DEMOLITION PLAN	C-201
SITE LAYOUT PLAN	C-301
GRADING AND DRAINAGE PLAN	C-401
UTILITY PLAN	C-501
EROSION AND SEDIMENT CONTROL PLAN	C-601
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	C-602
LANDSCAPE PLAN	C-701
LANDSCAPE NOTES AND DETAILS	C-702
DETAIL SHEET	C-901
DETAIL SHEET	C-902
DETAIL SHEET	C-903
ALTA/ NSPS SURVEY (BY OTHERS)	1 OF 1
LIGHTING PLAN (BY OTHERS)	1 OF 1

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SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

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PROJECT No.: B200130
DRAWN BY: ~ NCN ~
CHECKED BY: ~ CVM / CEB ~
DATE: 08/12/2020
CAD ID: B200130/S500

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR
HSC MILTON, LLC.
PROPOSED DEVELOPMENT
MAP #103.1, BLOCK #2, LOT #74
NYS ROUTE 9W
TOWN OF MARLBOROUGH
ULSTER COUNTY
STATE OF NEW YORK

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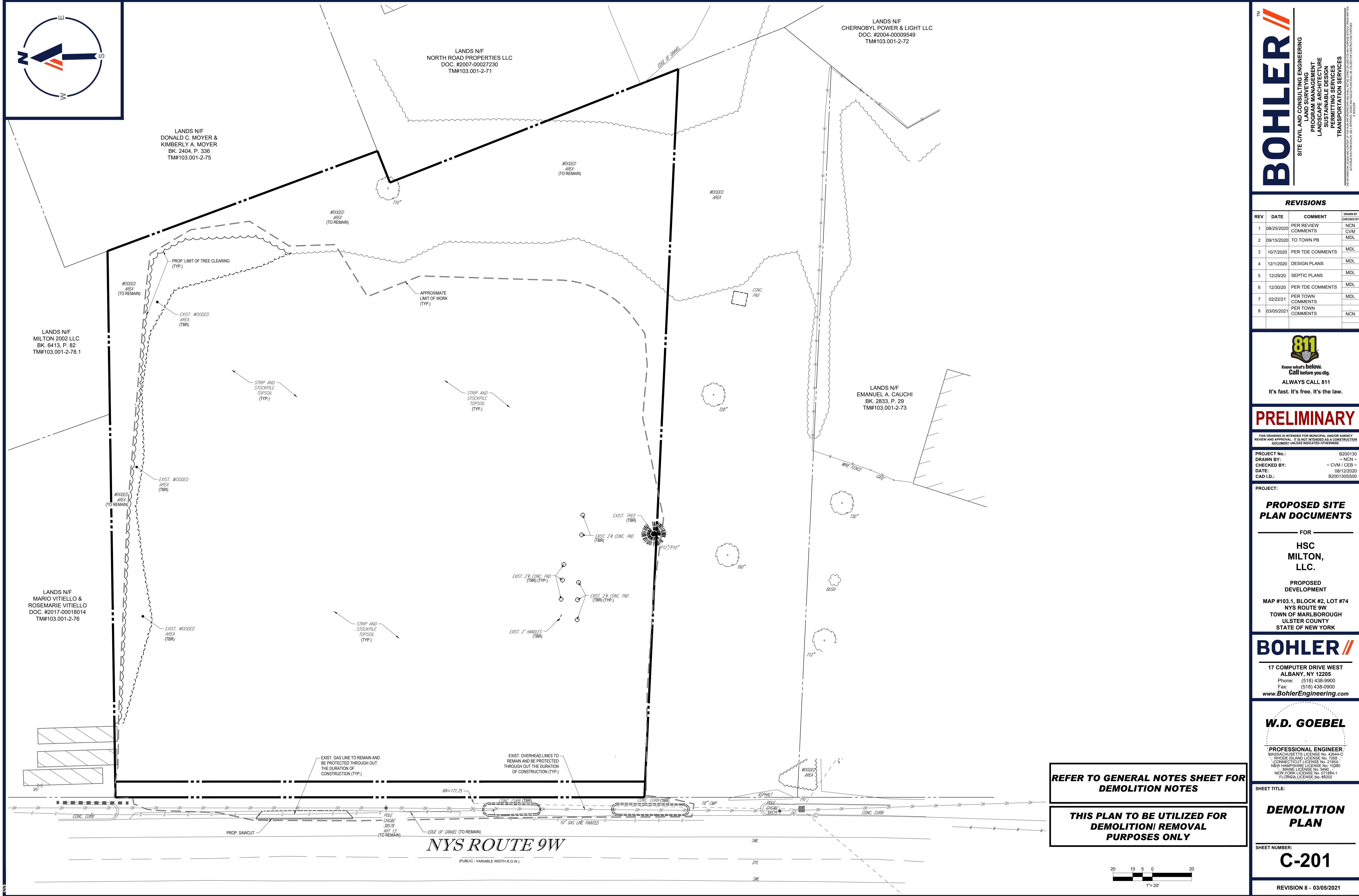
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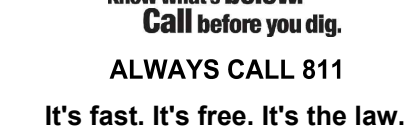
SHEET NUMBER:

C-101

REVISION 8 - 03/05/2021



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PROJECT No.:	B200130
DRAWN BY:	~ NCN ~
CHECKED BY:	~ CVM / CEB ~
DATE:	08/12/2020
CAD I.D.:	B200130SS00

**PROPOSED SITE
PLAN DOCUMENTS**

— FOR —

**HSC
MILTON,
LLC.**

**PROPOSED
DEVELOPMENT**

**MAP #103.1, BLOCK #2, LOT #74
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TOWN OF MARLBOROUGH
ULSTER COUNTY
STATE OF NEW YORK**

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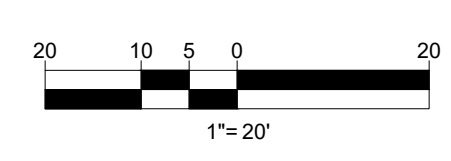
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NEW HAMPSHIRE LICENSE No. 10280
MAINE LICENSE No. 9490
NEW YORK LICENSE No. 071284-1
FLORIDA LICENSE No. 66202

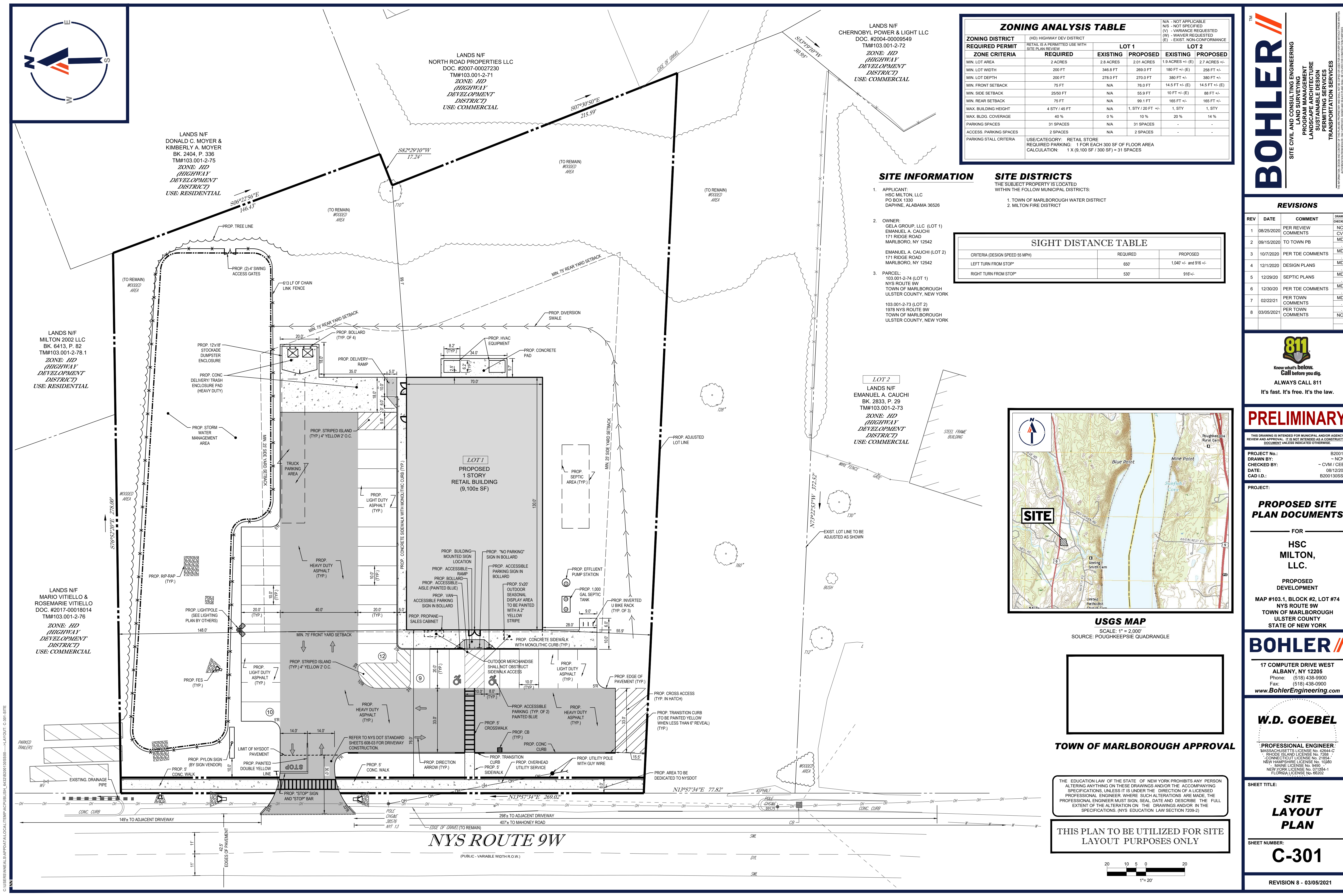
DEMOLITION PLAN

C-201

REVISION 8 - 03/05/2021

**THIS PLAN TO BE UTILIZED FOR
DEMOLITION/ REMOVAL
PURPOSES ONLY**





ZONING ANALYSIS TABLE					
ZONING DISTRICT	(HD) HIGHWAY DEV DISTRICT	LOT 1		LOT 2	
REQUIRED PERMIT	RETAIL IS A PERMITTED USE WITH SITE PLAN REVIEW	EXISTING	PROPOSED	EXISTING	PROPOSED
ZONE CRITERIA	REQUIRED	EXISTING	PROPOSED	EXISTING	PROPOSED
MIN. LOT AREA	2 ACRES	2.8 ACRES	2.01 ACRES	1.9 ACRES +/- (E)	2.7 ACRES +/-
MIN. LOT WIDTH	200 FT	346.6 FT	289.0 FT	180 FT +/- (E)	258 FT +/-
MIN. LOT DEPTH	200 FT	278.0 FT	270.0 FT	386 FT +/- (E)	380 FT +/-
MIN. FRONT SETBACK	75 FT	N/A	76.0 FT	14.5 FT +/- (E)	14.5 FT +/- (E)
MIN. SIDE SETBACK	25/50 FT	N/A	55.0 FT	10 FT +/- (E)	88 FT +/-
MIN. REAR SETBACK	75 FT	N/A	99.1 FT	165 FT +/-	165 FT +/-
MAX. BUILDING HEIGHT	4 STY / 45 FT	N/A	1 STY / 20 FT +/-	1 STY	1 STY
MAX. BLDG. COVERAGE	40 %	0 %	10 %	20 %	14 %
PARKING SPACES	31 SPACES	N/A	31 SPACES	-	-
ACCESS. PARKING SPACES	2 SPACES	N/A	2 SPACES	-	-
PARKING STALL CRITERIA	USE/CATEGORY: RETAIL STORE REQUIRED PARKING: 1 FOR EACH 300 SF OF FLOOR AREA CALCULATION: 1 X (9,100 SF / 300 SF) = 31 SPACES				

SITE INFORMATION

- APPLICANT:
HSC MILTON, LLC
PO BOX 1330
DAPHNE, ALABAMA 36526
- OWNER:
GELA GROUP, LLC (LOT 1)
EMANUEL A. CAUCHI
171 RIDGE ROAD
MARLBORO, NY 12542

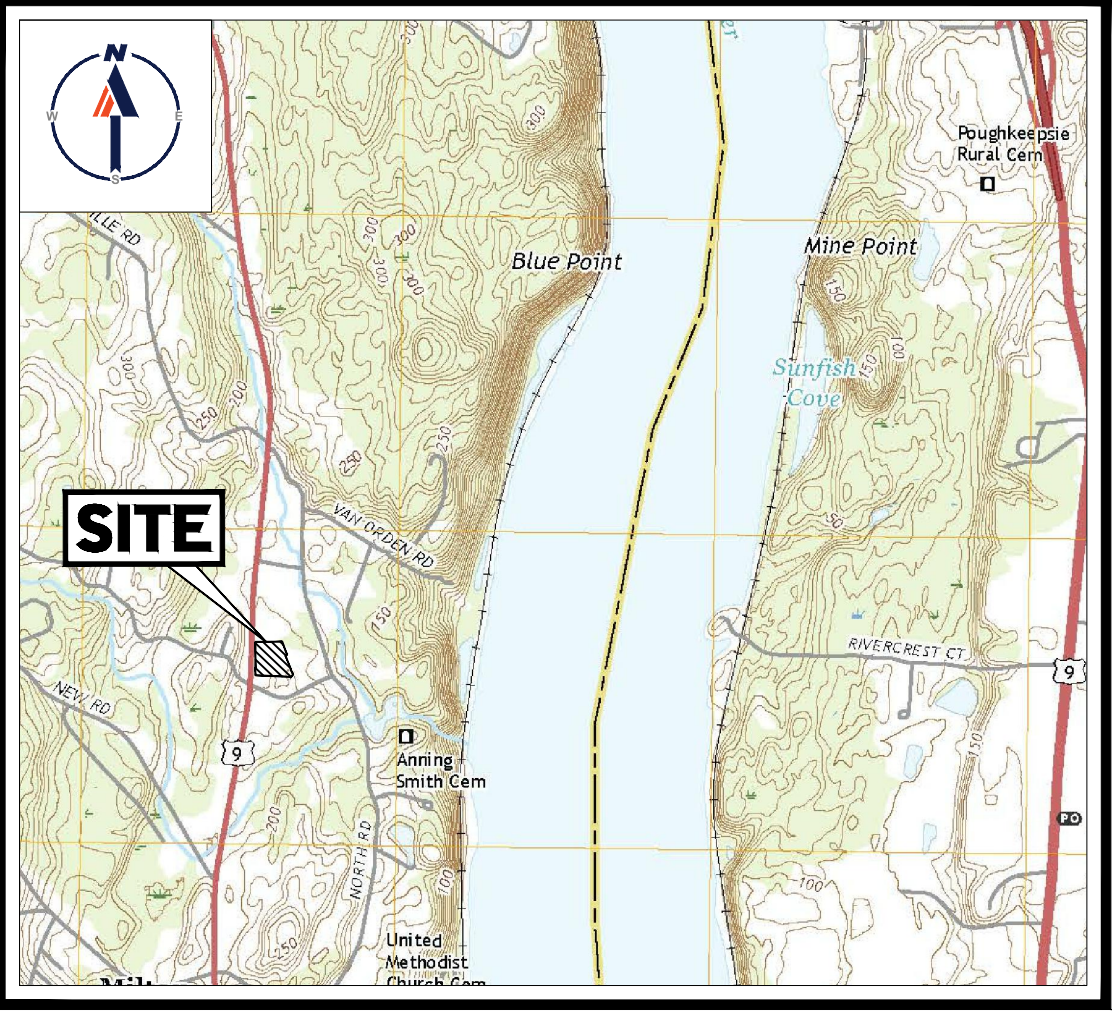
EMANUEL A. CAUCHI (LOT 2)
171 RIDGE ROAD
MARLBORO, NY 12542
- PARCEL:
103.001-2-74 (LOT 1)
NYS ROUTE 9W
TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK

103.001-2-73 (LOT 2)
1978 NYS ROUTE 9W
TOWN OF MARLBOROUGH
ULSTER COUNTY, NEW YORK

SITE DISTRICTS

- THE SUBJECT PROPERTY IS LOCATED WITHIN THE FOLLOWING MUNICIPAL DISTRICTS:
- TOWN OF MARLBOROUGH WATER DISTRICT
 - MILTON FIRE DISTRICT

SIGHT DISTANCE TABLE		
CRITERIA (DESIGN SPEED 55 MPH)	REQUIRED	PROPOSED
LEFT TURN FROM STOP*	650'	1,040' +/- and 916' +/-
RIGHT TURN FROM STOP*	530'	916' +/-

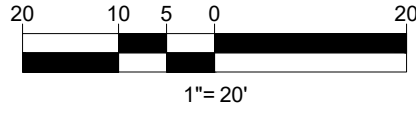


USGS MAP
SCALE: 1" = 2,000'
SOURCE: POUGHKEEPSIE QUADRANGLE



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DRAWN BY: ~ NCN ~
CHECKED BY: ~ CVM / CEB ~
DATE: 08/12/2020
CAD ID: B200130S000

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR

HSC MILTON, LLC.

PROPOSED DEVELOPMENT

MAP #103.1, BLOCK #2, LOT #74
NYS ROUTE 9W
TOWN OF MARLBOROUGH
ULSTER COUNTY
STATE OF NEW YORK

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NEW HAMPSHIRE LICENSE NO. 10280
MAINE LICENSE NO. 9490
NEW YORK LICENSE NO. 071284-1
FLORIDA LICENSE NO. 66202

SHEET TITLE:

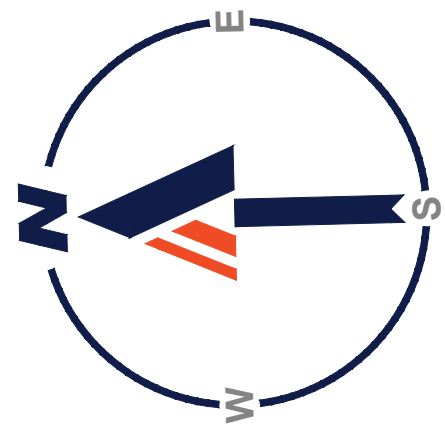
SITE LAYOUT PLAN

SHEET NUMBER:

C-301

REVISION 8 - 03/05/2021

C:\USERS\INEAL\APPDATA\LOCALTEMP\AC\PUBLISHED_4432B200130S000---LAYOUT: C-301 SITE



LANDS N/F
DONALD C. MOYER &
KIMBERLY A. MOYER
BK. 2404, P. 336
TM#103.001-2-75

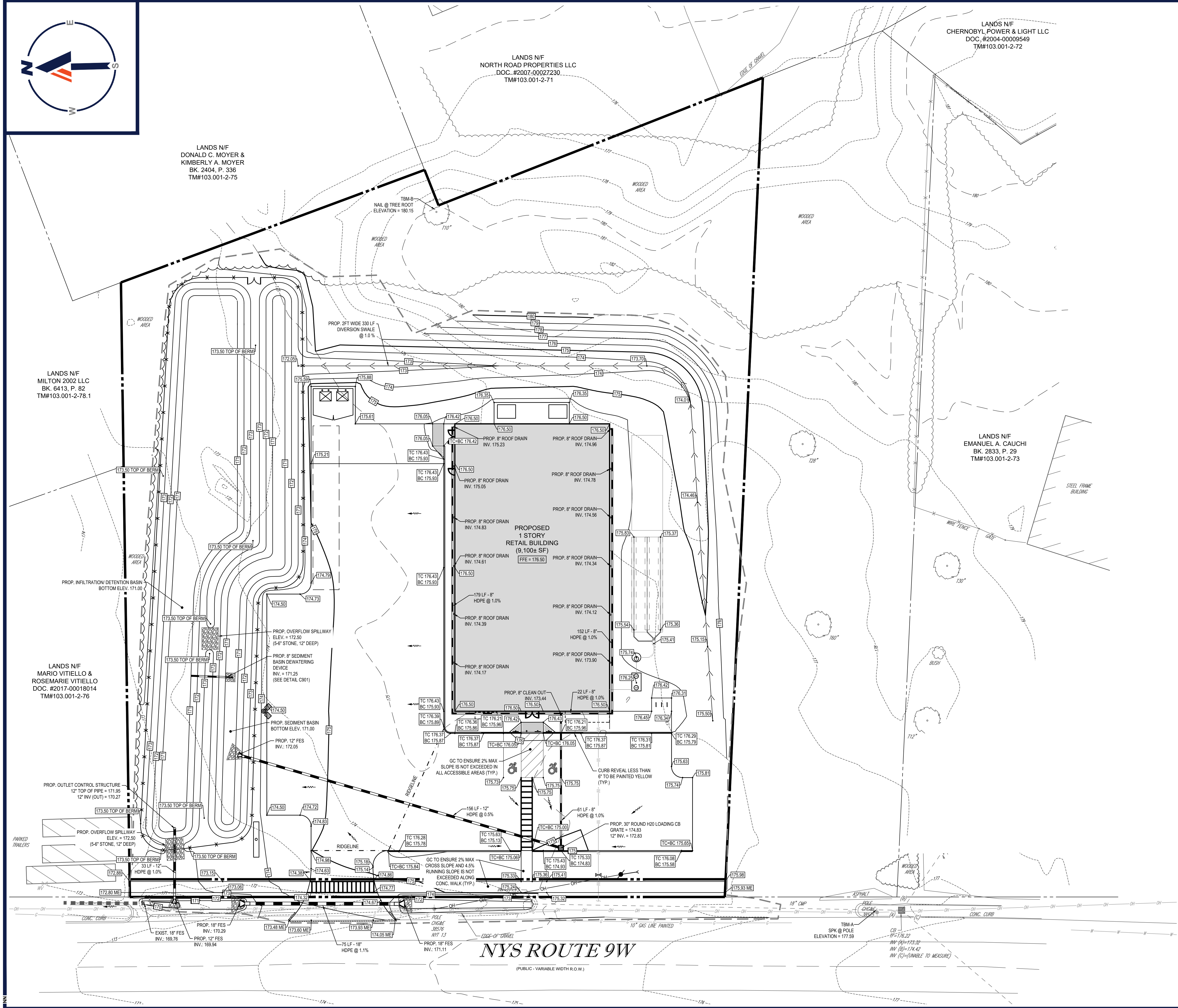
LANDS N/F
NORTH ROAD PROPERTIES LLC
DOC. #2007-00027230
TM#103.001-2-71

LANDS N/F
CHERNOBYL POWER & LIGHT LLC
DOC. #2004-00009549
TM#103.001-2-72

LANDS N/F
MILTON 2002 LLC
BK. 6413, P. 82
TM#103.001-2-78.1

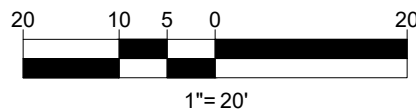
LANDS N/F
MARIO VITIELLO &
ROSEMARIE VITIELLO
DOC. #2017-00018014
TM#103.001-2-76

LANDS N/F
EMANUEL A. CAUCHI
BK. 2833, P. 29
TM#103.001-2-73



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DATE: 08/12/2020
CAD ID: B200130/S00

PROJECT:
PROPOSED SITE PLAN DOCUMENTS
FOR
HSC MILTON, LLC.
PROPOSED DEVELOPMENT
MAP #103.1, BLOCK #2, LOT #74
NYS ROUTE 9W
TOWN OF MARLBOROUGH
ULSTER COUNTY
STATE OF NEW YORK

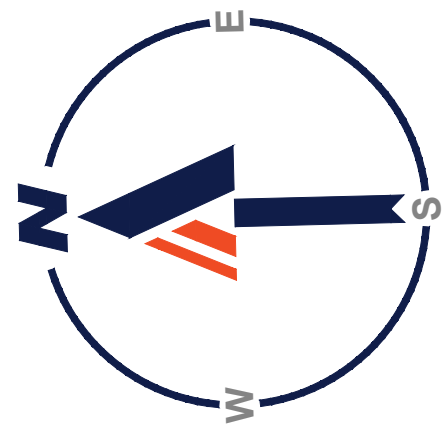
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CONNECTICUT LICENSE NO. 21854
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FLORIDA LICENSE NO. 66202

SHEET TITLE:
GRADING AND DRAINAGE PLAN
SHEET NUMBER:
C-401
REVISION 8 - 03/05/2021



SEPTIC SYSTEM DESIGN REQUIREMENTS

DAILY FLOW IN GPD	PERCOLATION RATE (SPECIFIED FILL)	ABSORPTION AREA APPLICATION RATE GPD/S.F.	ABSORPTION AREA		LINEAR FEET OF ABSORPTION TRENCH PROVIDED	NUMBER OF LATERALS	LENGTH OF LATERALS
			REQUIRED AREA SQ. FT.	REQUIRED TRENCH LENGTH 2 SFLF			
200*	11-15 MIN.	0.80	250	125	126 LF	3	(3) @ 42 LF

* = DESIGN FLOW IS BASED ON WATER READINGS/ USAGE FROM OTHER DOLLAR GENERAL STORES

PERCOLATION TEST RESULTS
(PERFORMED BY BOHLER ENGINEERING ON NOVEMBER 18, 2020)

P1 - NATIVE SOIL PERCOLATION TEST LOCATION
DEPTH = 18"
STABILIZED RATE: 2 MIN/IN

P2 - NATIVE SOIL PERCOLATION TEST LOCATION
DEPTH = 18"
STABILIZED RATE: 11 MIN/IN

PERCOLATION TESTS PERFORMED BY BOHLER ENGINEERING ON NOVEMBER 18, 2020.

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PROJECT:

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FOR

HSC MILTON, LLC.

PROPOSED DEVELOPMENT

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SHEET TITLE:

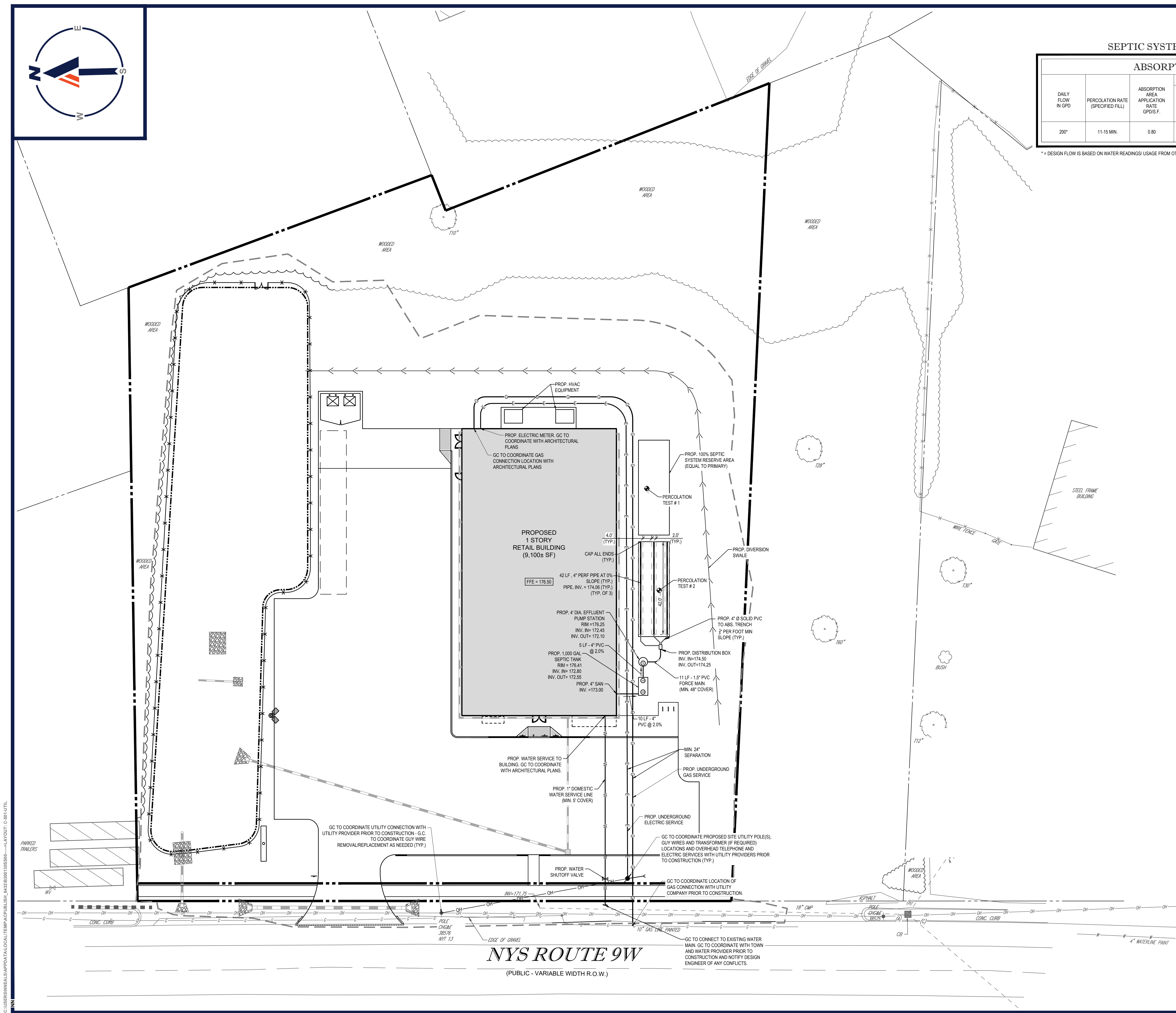
UTILITY PLAN

SHEET NUMBER:

C-501

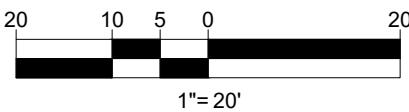
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C:\USERS\NEALS\APPDATA\LOCALTEMP\AC\PUBLISH_6432B200130ISS00---LAYOUT: C-501.UPL



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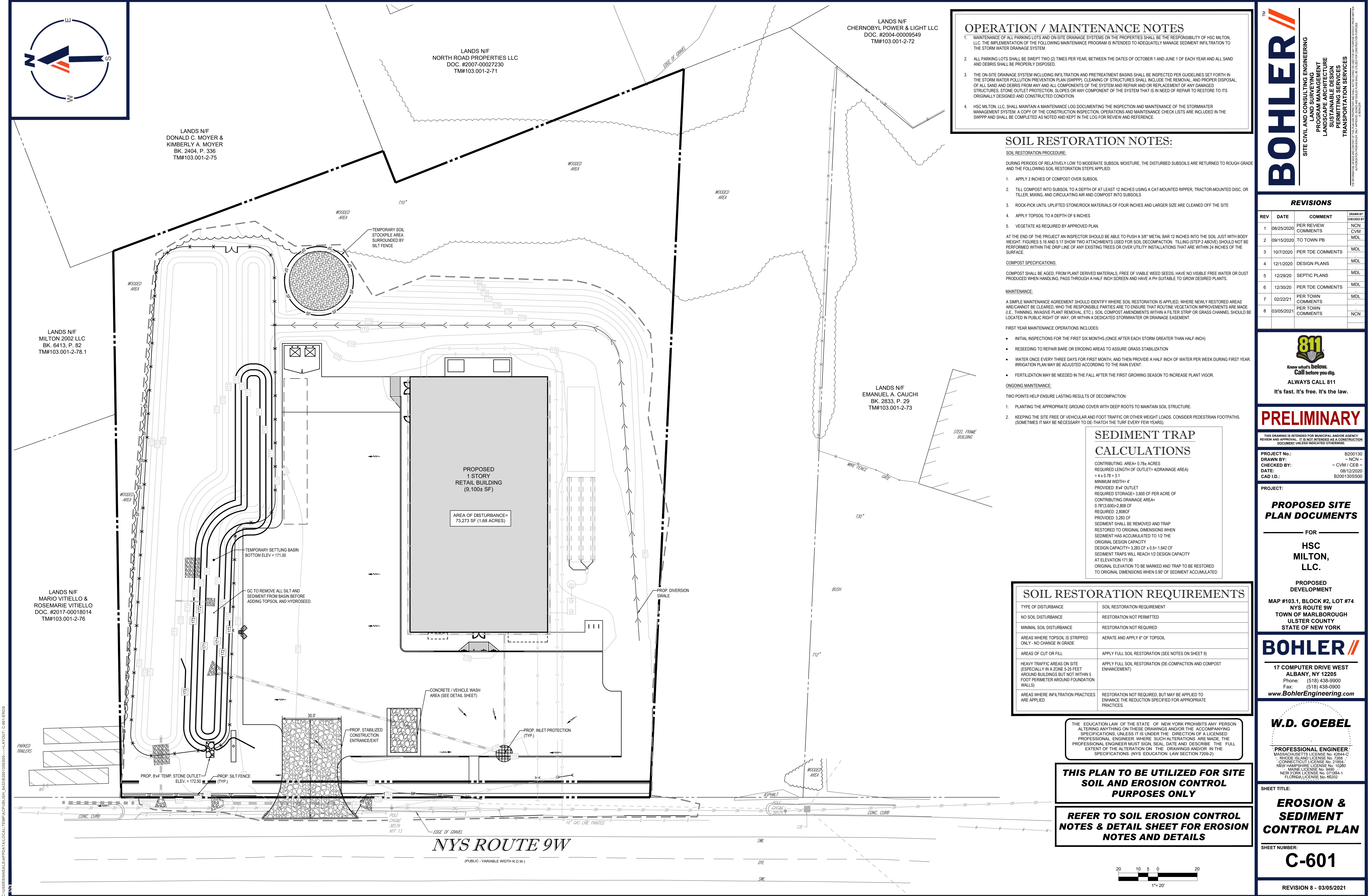
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NYS ROUTE 9W

(PUBLIC - VARIABLE WIDTH R.O.W.)

GC TO CONNECT TO EXISTING WATER MAIN. GC TO COORDINATE WITH TOWN AND WATER PROVIDER PRIOR TO CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY CONFLICTS.



OPERATION / MAINTENANCE NOTES

1. MAINTENANCE OF ALL PARKING LOTS AND ON-SITE DRAINAGE SYSTEMS ON THE PROPERTIES SHALL BE THE RESPONSIBILITY OF HSC MILTON, LLC. THE IMPLEMENTATION OF THE FOLLOWING MAINTENANCE PROGRAM IS INTENDED TO ADEQUATELY MANAGE SEDIMENT INFILTRATION TO THE STORM WATER DRAINAGE SYSTEM.
2. ALL PARKING LOTS SHALL BE SWEEPED TWO (2) TIMES PER YEAR, BETWEEN THE DATES OF OCTOBER 1 AND JUNE 1 OF EACH YEAR AND ALL SAND AND DEBRIS SHALL BE PROPERLY DISPOSED.
3. THE ON-SITE DRAINAGE SYSTEM INCLUDING INFILTRATION AND PRETREATMENT BASINS SHALL BE INSPECTED PER GUIDELINES SET FORTH IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). CLEANING OF STRUCTURES SHALL INCLUDE THE REMOVAL AND PROPER DISPOSAL OF ALL SAND AND DEBRIS FROM ANY AND ALL COMPONENTS OF THE SYSTEM AND REPAIR AND OR REPLACEMENT OF ANY DAMAGED STRUCTURES, STONE OUTLET PROTECTION, SLOPES OR ANY COMPONENT OF THE SYSTEM THAT IS IN NEED OF REPAIR TO RESTORE TO ITS ORIGINALLY DESIGNED AND CONSTRUCTED CONDITION.
4. HSC MILTON, LLC. SHALL MAINTAIN A MAINTENANCE LOG DOCUMENTING THE INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. A COPY OF THE CONSTRUCTION INSPECTION, OPERATIONS AND MAINTENANCE CHECK LISTS ARE INCLUDED IN THE SWPPP AND SHALL BE COMPLETED AS NOTED AND KEPT IN THE LOG FOR REVIEW AND REFERENCE.

SOIL RESTORATION NOTES:

SOIL RESTORATION PROCEDURE:

DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, THE DISTURBED SUBSOILS ARE RETURNED TO ROUGH GRADE AND THE FOLLOWING SOIL RESTORATION STEPS APPLIED:

1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
2. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS.
3. ROCK-PICK UNTIL UPLIFTED STONEROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.
4. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
5. VEGETATE AS REQUIRED BY APPROVED PLAN.

AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8" METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT. FIGURES 5.16 AND 5.17 SHOW TWO ATTACHMENTS USED FOR SOIL DECOMPACTION. TILLING (STEP 2 ABOVE) SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.

COMPOST SPECIFICATIONS:

COMPOST SHALL BE AGED, FROM PLANT DERIVED MATERIALS, FREE OF VIABLE WEED SEEDS, HAVE NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING, PASS THROUGH A HALF INCH SCREEN AND HAVE A PH SUITABLE TO GROW DESIRED PLANTS.

MAINTENANCE:

A SIMPLE MAINTENANCE AGREEMENT SHOULD IDENTIFY WHERE SOIL RESTORATION IS APPLIED, WHERE NEWLY RESTORED AREAS ARE/CANNOT BE CLEARED, WHO THE RESPONSIBLE PARTIES ARE TO ENSURE THAT ROUTINE VEGETATION IMPROVEMENTS ARE MADE (I.E. THINNING, INVASIVE PLANT REMOVAL, ETC.). SOIL COMPOST AMENDMENTS WITHIN A FILTER STRIP OR GRASS CHANNEL SHOULD BE LOCATED IN PUBLIC RIGHT OF WAY, OR WITHIN A DEDICATED STORMWATER OR DRAINAGE EASEMENT.

FIRST YEAR MAINTENANCE OPERATIONS INCLUDES:

- INITIAL INSPECTIONS FOR THE FIRST SIX MONTHS (ONCE AFTER EACH STORM GREATER THAN HALF-INCH)
- RESEEDING TO REPAIR BARE OR ERODING AREAS TO ASSURE GRASS STABILIZATION
- WATER ONCE EVERY THREE DAYS FOR FIRST MONTH, AND THEN PROVIDE A HALF INCH OF WATER PER WEEK DURING FIRST YEAR. IRRIGATION PLAN MAY BE ADJUSTED ACCORDING TO THE RAIN EVENT.
- FERTILIZATION MAY BE NEEDED IN THE FALL AFTER THE FIRST GROWING SEASON TO INCREASE PLANT VIGOR.

ONGOING MAINTENANCE:

TWO POINTS HELP ENSURE LASTING RESULTS OF DECOMPACTION:

1. PLANTING THE APPROPRIATE GROUND COVER WITH DEEP ROOTS TO MAINTAIN SOIL STRUCTURE.
2. KEEPING THE SITE FREE OF VEHICULAR AND FOOT TRAFFIC OR OTHER WEIGHT LOADS. CONSIDER PEDESTRIAN FOOTPATHS. (SOMETIMES IT MAY BE NECESSARY TO DE-THATCH THE TURF EVERY FEW YEARS).

SEDIMENT TRAP CALCULATIONS

CONTRIBUTING AREA= 0.78+ ACRES
REQUIRED LENGTH OF OUTLET= 4(DRAINAGE AREA)
= 4 x 0.78 = 3.1
MINIMUM WIDTH= 4'
PROVIDED: 8'x4' OUTLET
REQUIRED STORAGE= 3,800 CF PER ACRE OF CONTRIBUTING DRAINAGE AREA= 0.78(3,800)=2,808 CF
REQUIRED: 2,808CF
PROVIDED: 3,283 CF
SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE ORIGINAL DESIGN CAPACITY
DESIGN CAPACITY= 3,283 CF x 0.5= 1,642 CF
SEDIMENT TRAPS WILL REACH 1/2 DESIGN CAPACITY AT ELEVATION 171.90
ORIGINAL ELEVATION TO BE MARKED AND TRAP TO BE RESTORED TO ORIGINAL DIMENSIONS WHEN 0.90' OF SEDIMENT ACCUMULATED

SOIL RESTORATION REQUIREMENTS

TYPE OF DISTURBANCE	SOIL RESTORATION REQUIREMENT
NO SOIL DISTURBANCE	RESTORATION NOT PERMITTED
MINIMAL SOIL DISTURBANCE	RESTORATION NOT REQUIRED
AREAS WHERE TOPSOIL IS STRIPPED ONLY - NO CHANGE IN GRADE	AERATE AND APPLY 6" OF TOPSOIL
AREAS OF CUT OR FILL	APPLY FULL SOIL RESTORATION (SEE NOTES ON SHEET 9)
HEAVY TRAFFIC AREAS ON SITE (ESPECIALLY IN A ZONE 5-25 FEET AROUND BUILDINGS BUT NOT WITHIN 5 FOOT PERIMETER AROUND FOUNDATION WALLS)	APPLY FULL SOIL RESTORATION (DE-COMPACTION AND COMPOST ENHANCEMENT)
AREAS WHERE INFILTRATION PRACTICES ARE APPLIED	RESTORATION NOT REQUIRED, BUT MAY BE APPLIED TO ENHANCE THE REDUCTION SPECIFIED FOR APPROPRIATE PRACTICES.

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THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY

REFER TO SOIL EROSION CONTROL NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS

TM

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SITE CIVIL AND CONSULTING ENGINEERING

PROGRAM MANAGEMENT

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PROJECT No.: B200130

DRAWN BY: ~ NCN ~

CHECKED BY: ~ CVM / CEB ~

DATE: 08/12/2020

CAD ID: B200130/S500

PROPOSED SITE PLAN DOCUMENTS

FOR

HSC MILTON, LLC.

PROPOSED DEVELOPMENT

MAP #103.1, BLOCK #2, LOT #74

NYS ROUTE 9W

TOWN OF MARLBOROUGH

ULSTER COUNTY

STATE OF NEW YORK

BOHLER

17 COMPUTER DRIVE WEST

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NEW YORK LICENSE No. 071884-1

FLORIDA LICENSE No. 65202

SHEET TITLE:

EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

C-601

REVISION 8 - 03/05/2021

EROSION AND SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
3. SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
4. INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.
5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.
6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).
7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
10. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
- 10.1. SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
- 10.2. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
- 10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED.
- 10.4. STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON STRAW MULCH FOR WIND CONTROL.
11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
12. WETLANDS WILL BE PROTECTED W/ STRAW, COMPOST, AND/OR SILT FENCE BARRIERS INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.
14. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED.

MULCH

LOCATION PROTECT AREA	MULCH STRAW	RATE (1000 SF) 100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED CORNSTALKS STRAW (ANCHORED)	185-275 POUNDS 100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED

GREATER THAN 3:1 (REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT)

* A HYDRO-APPLICATION OF WOOD, OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON STRAW MULCH FOR WIND CONTROL.

MULCH ANCHORING

ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD/BLOCK); MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

EROSION CONTROL NOTES DURING WINTER CONSTRUCTION

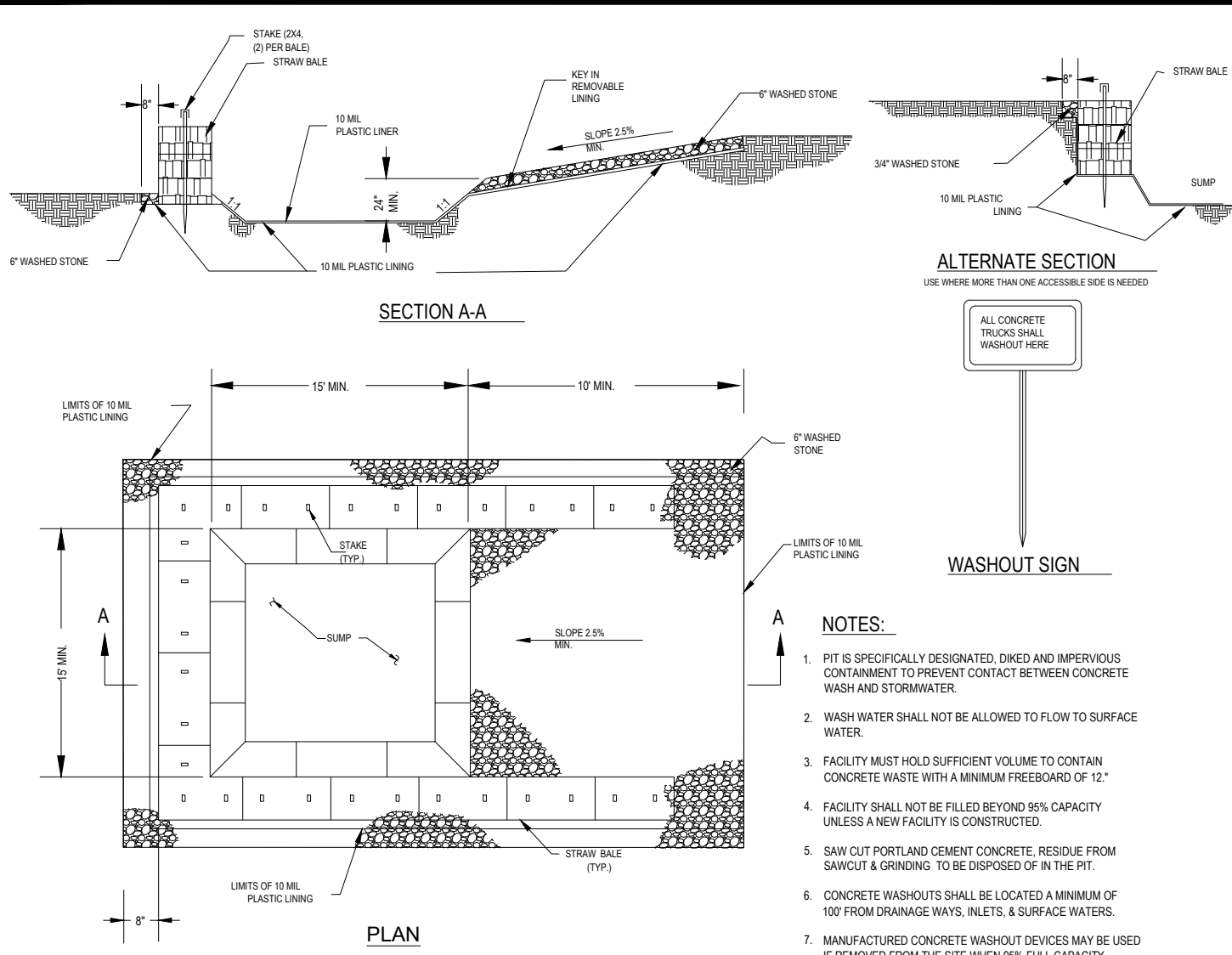
1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
3. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
4. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEED AT A RATE OF 200 - 300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF STRAW OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
7. MULCHING REQUIREMENTS:
- 7.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.
- 7.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- 7.3. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
8. AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
9. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.
10. STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.
11. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.

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CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN)
- INSTALLATION OF EROSION CONTROL BARRIER (SILT FENCE) (AS SHOWN)
- DEMOLITION OF EXISTING SITE AMENITIES (SEE DEMOLITION PLAN)
- CLEARING AND GRUBBING
- INSTALLATION OF SEDIMENT BASIN
- EARTHWORK AND EXCAVATION/FILLING AS NECESSARY
- CONSTRUCTION OF UTILITIES
- STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH TEMPORARY SEEDING
- CONSTRUCTION OF BUILDING
- CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS
- SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH
- FINAL GRADING OF ALL SLOPED AREAS
- PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH SEED MIXTURE TO BE INSTALLED AS REQUIRED.
- REMOVAL OF THE TEMPORARY SEDIMENT BASIN
- PAVE PARKING LOT
- LANDSCAPING PER LANDSCAPING PLAN
- REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 80% STABILIZATION OR GREATER.



CONCRETE WASHOUT DETAIL

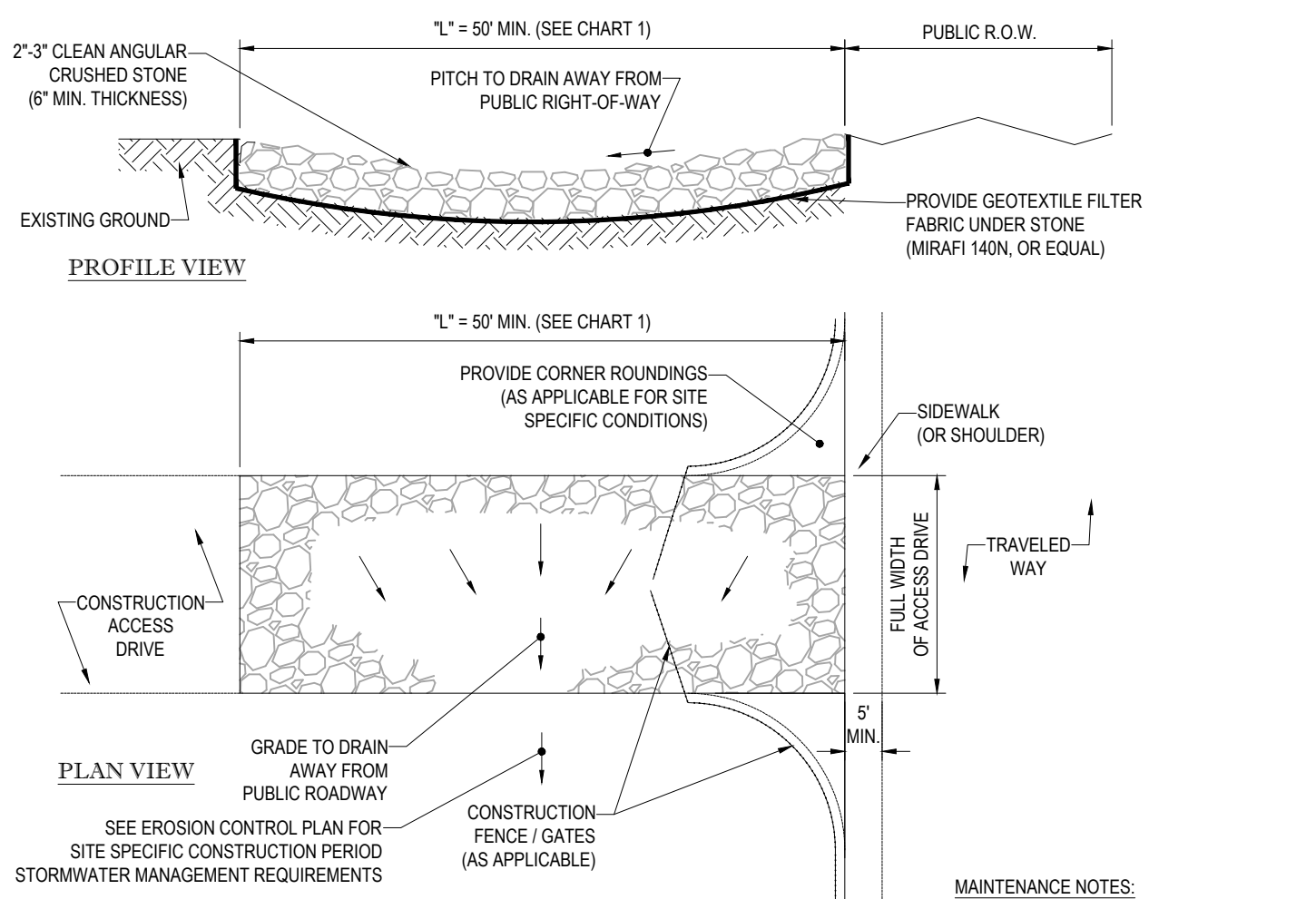


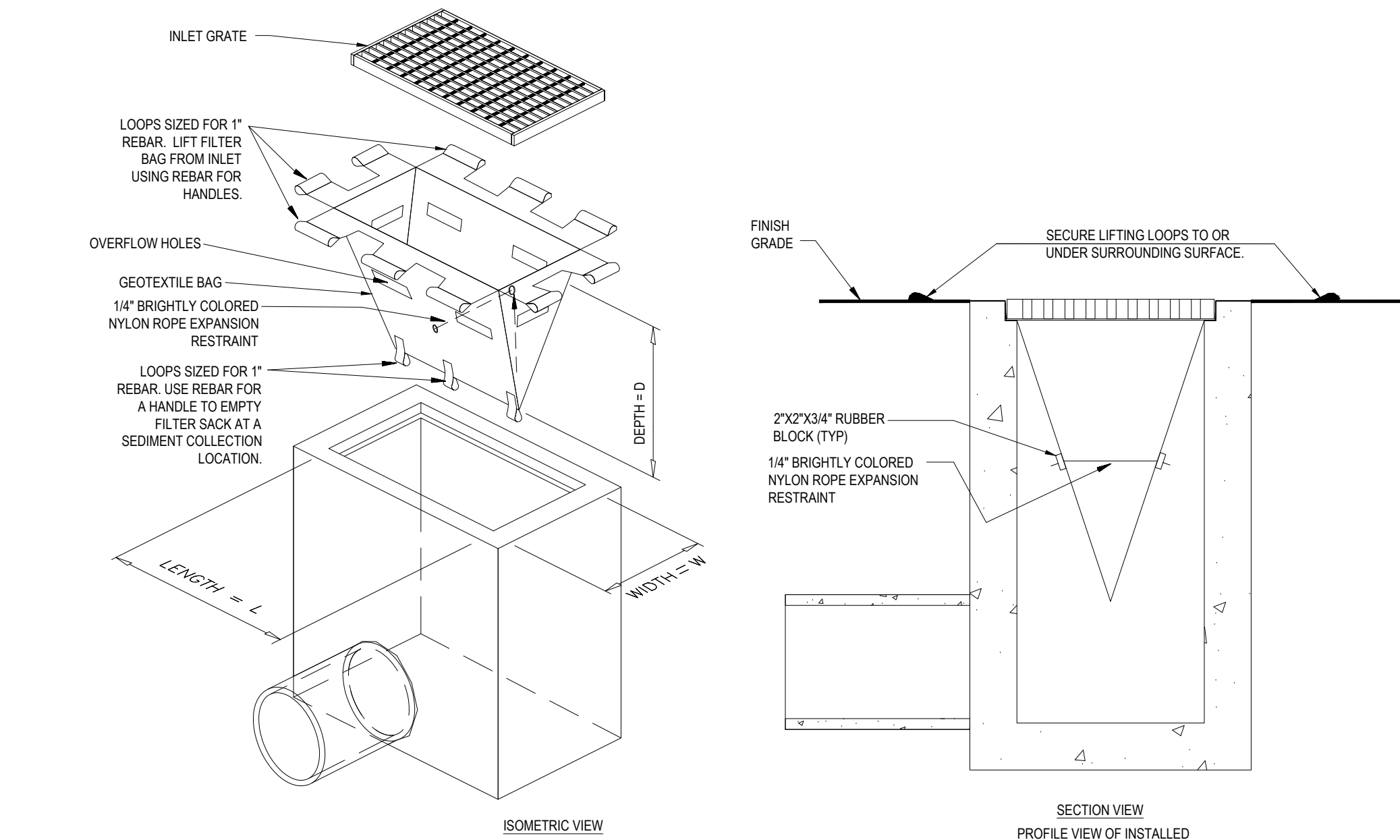
CHART 1

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT	100 FT
2% TO 5%	100 FT	200 FT
>5%	ENTIRE ENTRANCE STABILIZED WITH FABC BASE COURSE (1)	

(1) AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

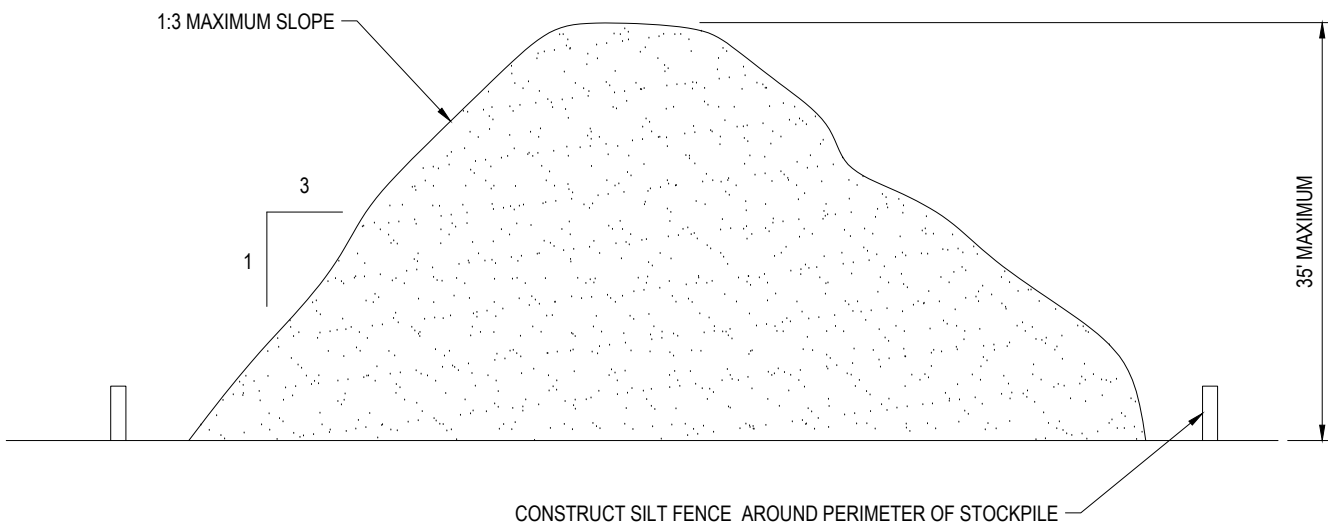
STABILIZED CONSTRUCTION EXIT

N.T.S.



FILTER SACKS (GRATED INLETS)

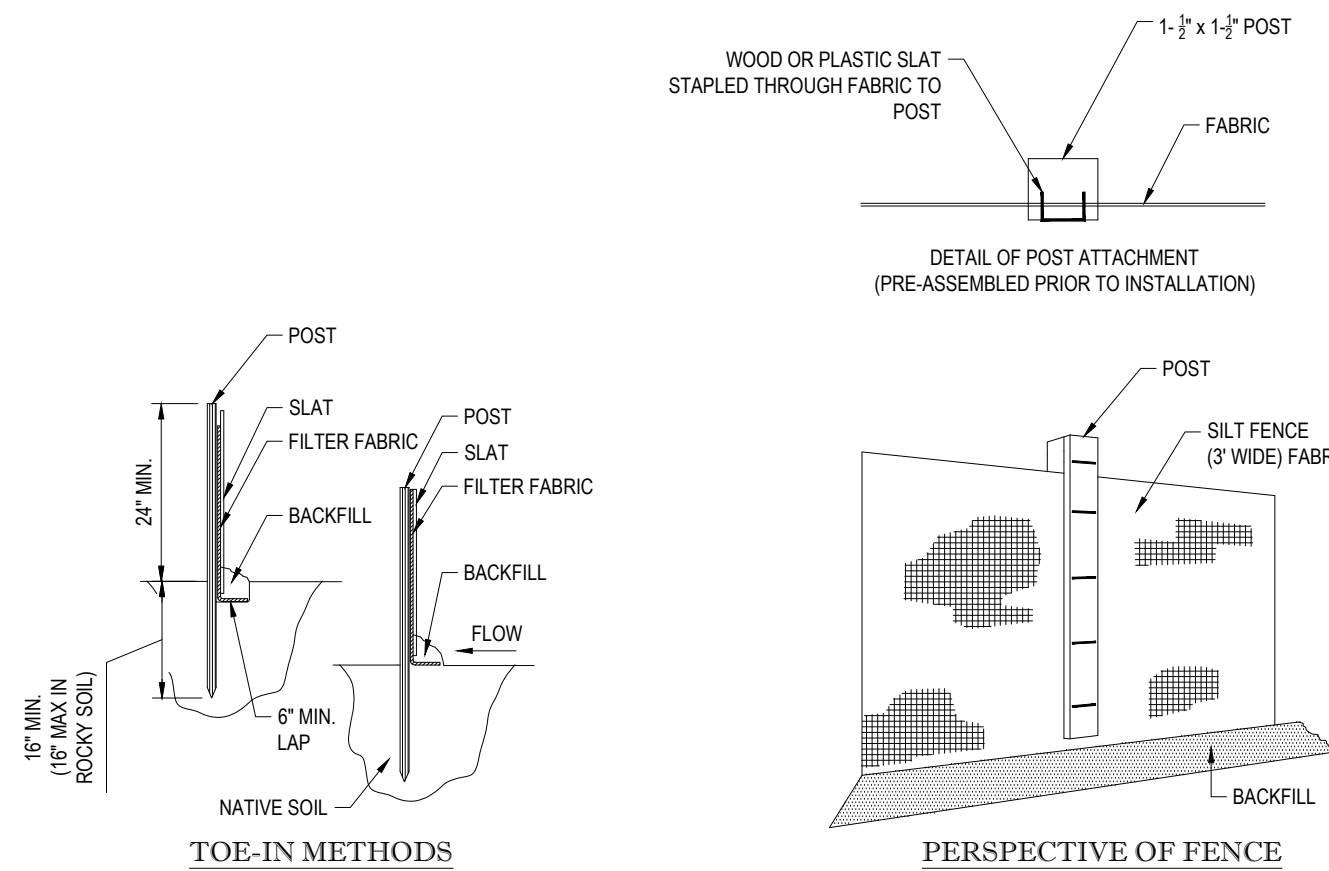
N.T.S.



TEMPORARY STOCKPILE DETAIL

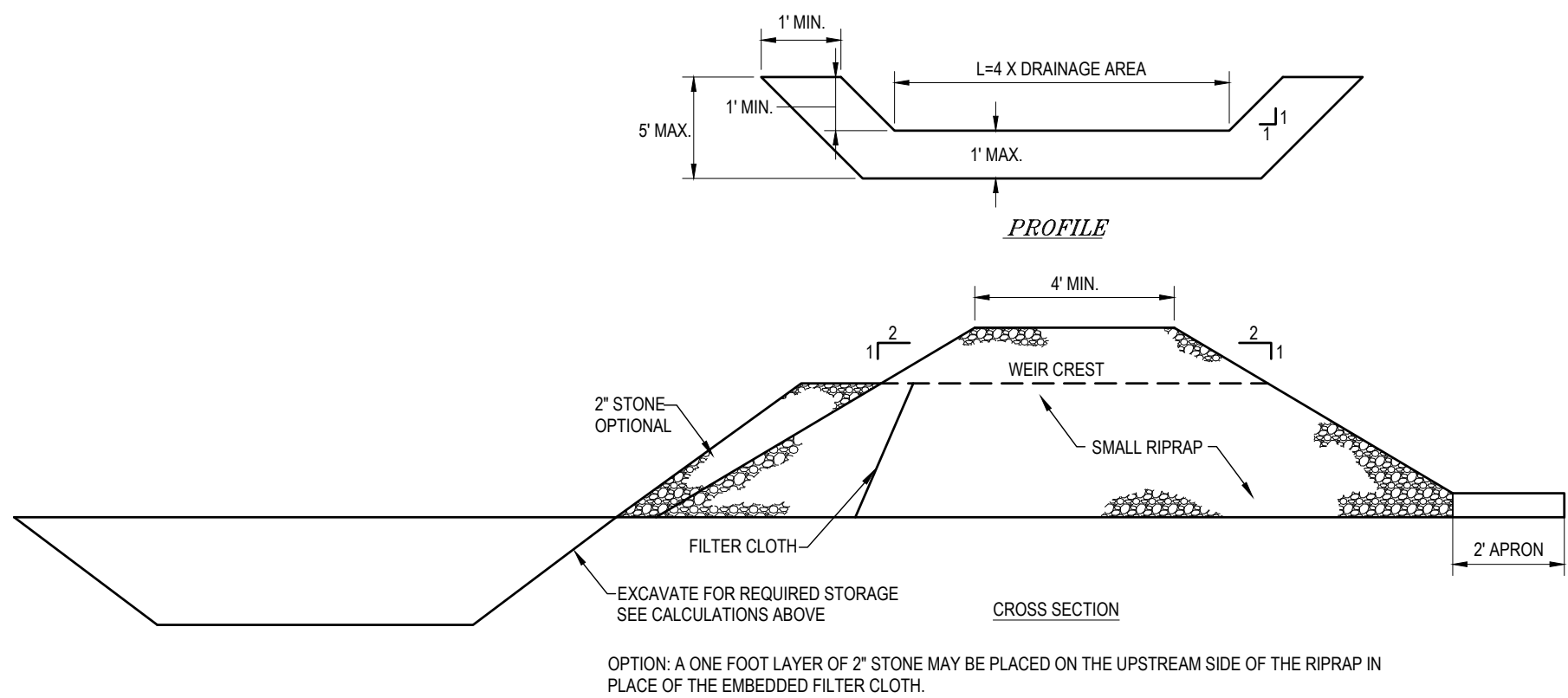
N.T.S.

- INSTALLATION:
- EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
 - UNROLL SILTATION FENCE AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM FLOW DIRECTION).
 - DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
 - LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING FABRIC FLAP ON UNDISTURBED GROUND AND PILING & TAMP-ING FILL AT THE BASE.



TYP. SILTATION FENCE DETAIL

N.T.S.



- OPTION: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH.
- NOTES:
- AREA UNDER EMBANKMENT SHALL BE CLEARED, SRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
 - THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACT BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
 - ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
 - THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4" x 3" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
 - SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH TO THE TRAP.
 - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IN MINIMIZED.
 - THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

STONE OUTLET SEDIMENT TRAP DETAIL

N.T.S.

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DRAWN BY: ~ NCN ~
CHECKED BY: ~ CVM / CEB ~
DATE: 08/12/2020
CAD I.D.: B200130/S00

PROJECT:

PROPOSED SITE
PLAN DOCUMENTS

FOR

HSC
MILTON,
LLC.

PROPOSED
DEVELOPMENT

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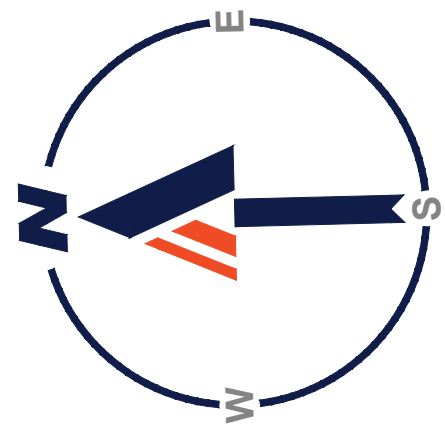
SHEET TITLE:

EROSION AND
SEDIMENT
CONTROL NOTES
AND DETAILS

SHEET NUMBER:

C-602

REVISION 8 - 03/05/2021



LANDSCAPE SCHEDULE					
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS SHRUB					
SJLP	16	SPIREA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	15-18"	#3 CAN
VTC	6	VIBURNUM TRILOBUM 'COMPACTUM'	COMPACT AMERICAN CRANBERRYBUSH	24"-30"	B+B
SHADE TREES					
AS	3	ACER SACCHARUM	SUGAR MAPLE	2 1/2-3" CAL.	B+B

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.

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FOR

HSC MILTON, LLC.

PROPOSED DEVELOPMENT

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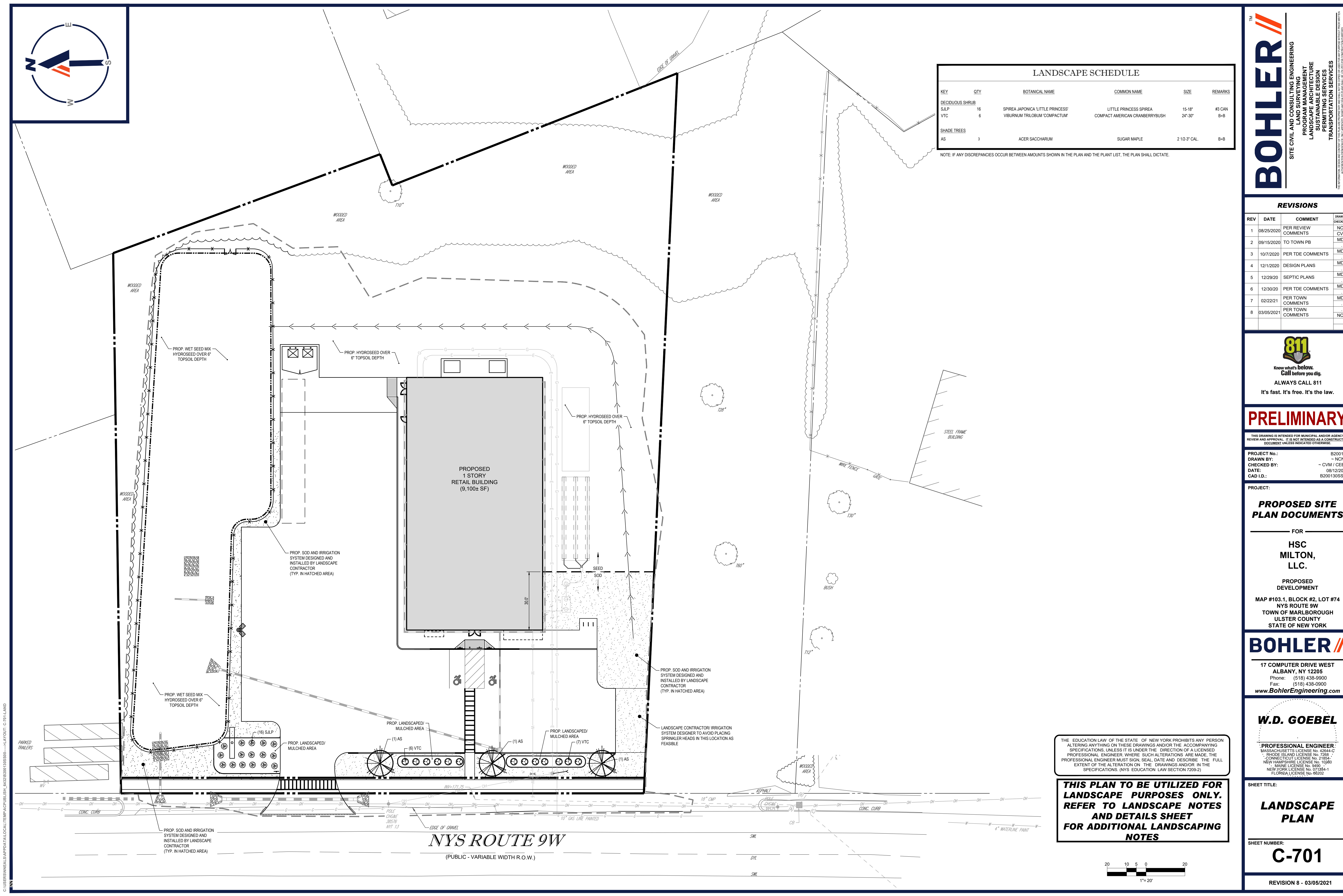
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LANDSCAPE PLAN

SHEET NUMBER:

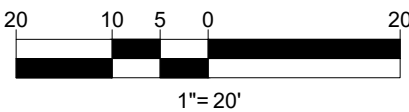
C-701

REVISION 8 - 03/05/2021



THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, WHERE SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. (NYS EDUCATION LAW SECTION 7209-2)

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY. REFER TO LANDSCAPE NOTES AND DETAILS SHEET FOR ADDITIONAL LANDSCAPING NOTES



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LANDSCAPE SPECIFICATIONS

1. SCOPE OF WORK:
THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.

2. MATERIALS
A. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.
B. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
C. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN
I. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.
II. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE-FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.
D. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES. DETAILS.
E. FERTILIZER
I. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER.
FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.
II. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.
F. PLANT MATERIAL
I. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSEYMEN).
II. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.
III. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.
IV. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1", WHICH HAVE NOT BEEN COMPLETELY CALLEDUS, SHALL BE REJECTED.
PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.
V. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH- WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.
VI. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.
VII. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.
VIII. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.
3. GENERAL WORK PROCEDURES
A. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.
B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.
4. SITE PREPARATIONS
A. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.
B. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT AREAS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.
C. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.
5. TREE PROTECTION
A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.
B. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY VISI-FENCE, OR APPROVED EQUIV. MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.
C. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
D. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.
6. SOIL MODIFICATIONS
A. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.
B. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.
C. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.
I. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6"-12" USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.
II. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM.
COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.
III. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
7. FINISHED GRADING
A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.
B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1")
C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.
8. TOPSOILING
A. CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE TO ACHIEVE THE DESIRED COMPACTED THICKNESS.
B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.
C. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL. TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.

D. ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY [SEE SPECIFICATION 6.A.]):
I. 20 POUNDS GRO-POWER OR APPROVED SOIL CONDITIONER/FERTILIZER
II. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER
E. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.
9. PLANTING
A. INsofar THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.
B. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.
C. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.
D. ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.
E. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
F. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS: THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:
I. PLANTS: MARCH 15 TO DECEMBER 15
II. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1
PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.
G. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE, WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON:
ACER RUBRUM
PLATANUS X ACERIFOLIA
BETULA VARIETIES
POPULUS VARIETIES
CARPINUS VARIETIES
PRUNUS VARIETIES
CRATAEGUS VARIETIES
PYRUS VARIETIES
KOELEUTHERA
QUERUS VARIETIES
LIQUIDAMBAR STYRACIFLUA
TILIA TOMENTOSA
LIRIODENDRON TULIPIFERA
ZELKOVA VARIETIES
H. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:
I. 1 PART PEAT MOSS
II. 1 PART COMPOSTED COW MANURE BY VOLUME
III. 3 PARTS TOPSOIL BY VOLUME
IV. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:
A) 2 TABLETS PER 1 GALLON PLANT
B) 3 TABLETS PER 5 GALLON PLANT
C) 4 TABLETS PER 15 GALLON PLANT
D) LARGER PLANTS: 2 TABLETS PER 1" CALIPER OF TRUNK
I. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
J. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.
K. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.
L. GROUND COVER AREAS SHALL RECEIVE A 1" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL, AS PER MANUFACTURER'S RECOMMENDATION.
M. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.
N. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.
O. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.
10. TRANSPLANTING (WHEN REQUIRED)
A. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.
B. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.
C. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.
D. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.
E. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.
F. IF TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.
11. WATERING
A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL, AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.
B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.
C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.
12. GUARANTEE
A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.
B. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.
C. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.
D. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
13. CLEANUP
A. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.
B. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.
14. MAINTENANCE (ALTERNATIVE BID):
A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MANICURED TO THE APPROVAL OF THE OWNER/OPERATOR.

REINFORCED RUBBER HOSE (1/2" DIA. BLACK)
FOLD BURLAP AWAY FROM TOP OF ROOT BALL
12 GAUGE GALVANIZED WIRE GUYS TWISTED
2" DIA. HARDWOOD STAKES 2/3 TREE HT. 3 PER TREE
TWICE THE WIDTH OF ROOTBALL FOR PREPARED SOIL FOR TREES
PREPARED SOIL FOR TREES
1 PART PEAT MOSS
1 PART COW MANURE
3 PARTS TOPSOIL
(RECOMMENDATION ONLY. SEE SOIL MOD. CHART)
UNDISTURBED SUBGRADE
DIG WIDE, SHALLOW HOLE WITH TAMPED SIDES
TAMP SOIL SOLIDLY AROUND BASE OF ROOT BALL
SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS.
4" BUILT-UP EARTH SAUCER
3" DOUBLE SHREDDED HARDWOOD BARK MULCH (UNLESS OTHERWISE SPECIFIED) (DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK)
LANDSCAPE FABRIC AS SPECIFIED.
ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS.
SET ROOT BALL ON UNDISTURBED SOIL IN BOTTOM OF HOLE.

1. PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
2. PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
3. SPECIES:
RIVERBANK WILD RYE (ELYMUS RIPARIUS),
CREEPING RED FESCUE (FESTUCA RUBRA),
LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM),
BIG BLUESTEM (ANDROPOGON GERARDI),
SWITCH GRASS (PANICUM VIRGATUM),
UPLAND BENTGRASS (AGROSTIS PERENNANS),
NODDING BUR MARIGOLD (BIDENS CERNUA),
NEW ENGLAND ASTER (ASTER NOVAE-ANGIAE),
BONESET (EUPATORIUM PERFOLIATUM),
BLUE VERVAIN (VERBENA HASTATA),
SOFT RUSH (JUNCUS EFFUSUS),
WOOL GRASS (SCIRPUS CYPERINUS).

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WET SEED MIX

PLANT SHALL BE PLANTED SO THAT THE POINT AT WHICH THE ROOT FLARE BEGINS IS SET LEVEL WITH GRADE, CUT AND REMOVE BURLAP FROM TOP ONE-THIRD OF ROOT BALL AS SHOWN.
FOR CONTAINER-GROWN SHRUBS, PLANT SHALL BE TRANSPLANTED AT THE SAME GRADE AS IN THE CONTAINER. REMOVE THE CONTAINER, USE FINGER OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS THAT CIRCLE THE PERIMETER OF THE CONTAINER.
3" DOUBLE-SHREDDED HARDWOOD BARK MULCH (DO NOT PUT MULCH AGAINST THE BASE OF THE PLANT).
LANDSCAPE FABRIC AS SPECIFIED
FINISHED GRADE
PLACE SHRUB ON FIRM SOIL IN BOTTOM OF HOLE.
UNDISTURBED SUBGRADE
WHEN APPROPRIATE, PLANT MULTIPLE SHRUBS IN CONTINUOUS PLANTING HOLE.
PLANTING MIX:
1 PART PEAT MOSS
1 PART COW MANURE
3 PARTS TOPSOIL
(SEE SOIL MODIFICATION CHART)
BEFORE PLANTING, ADD 3" TO 4" OF WELL-COMPOSTED LEAVES AND RECYCLED YARD WASTE TO BED AND TILL INTO TOP 6" OF PREPARED SOIL.
SOIL SURFACE ROUGHENED TO BIND WITH NEW SOIL.
24" MINIMUM
INCORPORATE 2" OF PEAT INTO 6" OF PLANTING MIXTURE, AS SPECIFIED
1" DOUBLE SHREDDED HARDWOOD BARK MULCH
EDGING (AS SPECIFIED)
FINISHED GRADE
TOPSOIL

1. PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
2. PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
3. SEEDING RATES:
PERENNIAL RYEGRASS 1/2 LB/1000 SQ FT
KENTUCKY BLUEGRASS 1 LB/1000 SQ FT
RED FESCUE 12 LB/1000 SQ FT
SPREADING FESCUE 12 LB/1000 SQ FT
FERTILIZER (16-32-16) 2 LB/1000 SQ FT
LIQUID LIME 1 GAL/800 GAL
TANK TACKIFIER 35 LB/800 GAL
TANK FIBER MULCH 30 LB/1000 SQ FT

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LIQUID LIME 1 GAL/800 GAL
TANK TACKIFIER 35 LB/800 GAL
TANK FIBER MULCH 30 LB/1000 SQ FT

SHRUB PLANTING DETAIL

INCORPORATE 2" OF PEAT INTO 6" OF PLANTING MIXTURE, AS SPECIFIED
1" DOUBLE SHREDDED HARDWOOD BARK MULCH
EDGING (AS SPECIFIED)
FINISHED GRADE
TOPSOIL

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LIQUID LIME 1 GAL/800 GAL
TANK TACKIFIER 35 LB/800 GAL
TANK FIBER MULCH 30 LB/1000 SQ FT

GROUND COVER PLANTING

INCORPORATE 2" OF PEAT INTO 6" OF PLANTING MIXTURE, AS SPECIFIED
1" DOUBLE SHREDDED HARDWOOD BARK MULCH
EDGING (AS SPECIFIED)
FINISHED GRADE
TOPSOIL

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HYDROSEED SPECIFICATIONS

INCORPORATE 2" OF PEAT INTO 6" OF PLANTING MIXTURE, AS SPECIFIED
1" DOUBLE SHREDDED HARDWOOD BARK MULCH
EDGING (AS SPECIFIED)
FINISHED GRADE
TOPSOIL

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LIQUID LIME 1 GAL/800 GAL
TANK TACKIFIER 35 LB/800 GAL
TANK FIBER MULCH 30 LB/1000 SQ FT

STANDARD FOR PERMANENT STABILIZATION WITH SOD

1. CULTIVATED SOD IS PREFERRED OVER NATIVE OR PASTURE SOD. SPECIFY "CERTIFIED SOD" OR OTHER HIGH QUALITY CULTIVATED SOD.
2. SOD SHOULD BE FREE OF WEEDS AND UNDESIRABLE COARSE WEEDY GRASSES.
3. SOD SHOULD BE OF UNIFORM THICKNESS, APPROXIMATELY 50 INCH, PLUS OR MINUS 1/4 INCH, AT TIME OF CUTTING, (EXCLUDES TOP GROWTH).
4. SOD SHOULD BE VIGOROUS AND DENSE AND BE ABLE TO RETAIN ITS OWN SHAPE AND WEIGHT WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP FROM THE UPPER 10 PERCENT OF THE STRIP. BROKEN PADS OR TORN AND UNEVEN ENDS WILL NOT BE ACCEPTABLE.
5. FOR DRAUGHT SITES, A SOD OF KENTUCKY 31 TALL FESCUE AND BLUEGRASS IS PREFERRED OVER A STRAIGHT BLUEGRASS SOD.
6. ONLY MOIST, FRESH, UNHEATED SOD MAY BE USED. SOD SHOULD BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS.
1. SITE PREPARATION
A. GRADING AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR LIMING, FERTILIZING, AND SOIL PREPARATION. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.
B. INSTALL NEEDED EROSION CONTROL, PRACTICES AND FACILITIES, SUCH AS INTERCEPTOR DITCHES, DIKES AND TERRACES, EROSION STOPS, AND DE-SILTING BASINS.
II. SOIL PREPARATION
A. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS UNIVERSITY SOIL TESTING LABORATORY. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU OF TOP-DRESSING; APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:
SOIL TEXTURE TONS/ACRE LBS/1000 SQ. FT
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL 4 180
SANDY LOAM, LOAM, SILT LOAM 3 135
LOAMY SAND, SAND 2 90
B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICABLE TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCOING OPERATION SHOULD BE ON THE GENERAL CONTOUR, CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED.
C. REMOVE FROM THE SURFACE ALL OBJECTS THAT WOULD PREVENT GOOD SOD TO SOIL CONTACT AND REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LIMPS, OR OTHER UNSUITABLE MATERIAL.
D. INSPECT SITE JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RE-TILLED AND FIRMED AS ABOVE.
III. SOD PLACEMENT
A. SOD STRIPS SHOULD BE LAID ON THE CONTOUR, NEVER UP AND DOWN THE SLOPE, STARTING AT THE BOTTOM OF THE SLOPE AND WORKING UP, ON STEEP SLOPES, THE USE OF LADDERS WILL FACILITATE THE WORK AND PREVENT DAMAGE TO THE SOD. DURING PERIODS OF HIGH TEMPERATURE, LIGHTLY IRRIGATE THE SOD IMMEDIATELY PRIOR TO LAYING THE SOD.
B. PLACES WHERE SOD STRIPS THAT ARE STAGGERED, OPEN SPACES INVITE EROSION.
C. ROLL OR TAMP SOD IMMEDIATELY FOLLOWING PLACEMENT TO INSURE SOLID CONTACT OF ROOT MAT AND SOIL SURFACE. DO NOT OVERLAP SOD. ALL JOINTS SHOULD BE BUTTED TIGHTLY IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS.
D. ON SLOPES GREATER THAN 3 TO 1, SECURE SOD TO SURFACE SOIL WITH WOOD PEGS, WIRE STAPLES, OR SPLIT SHINGLES (8 TO 10 INCHES LONG BY 3/4 INCH WIDE).
E. SURFACE WATER CANNOT ALWAYS BE DIVERTED FROM FLOWING OVER THE FACE OF THE SLOPE, BUT A CAPPING STRIP OF HEAVY JUTE OR PLASTIC NETTING, PROPERLY SECURED, ALONG THE CROWN OF THE SLOPE AND EDGES WILL PROVIDE EXTRA PROTECTION AGAINST LIFTING AND UNDERCUTTING OF SOD. THE SAME TECHNIQUE CAN BE USED TO ANCHOR SOD IN WATER CARRYING CHANNELS AND OTHER CRITICAL AREAS. WIRE STAPLES MUST BE USED TO ANCHOR NETTING IN CHANNEL WORK.
F. IMMEDIATELY FOLLOWING INSTALLATION, SOD SHOULD BE WATERED UNTIL MOISTURE PENETRATES THE SOIL LAYER BENEATH SOD TO A DEPTH OF 4 INCHES. MAINTAIN OPTIMUM MOISTURE FOR AT LEAST TWO WEEKS, AND CONTINUE IRRIGATION THROUGHOUT ENTIRE SEASON.
IV. TOP-DRESSING IF SLOW RELEASE NITROGEN (300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT) IS USED IN ADDITION TO SUGGESTED FERTILIZER, THEN A FOLLOW-UP OF TOP DRESSING IS NOT MANDATORY.
A. SPRING INSTALLATION OF SOD WILL REQUIRE AN APPLICATION OF FERTILIZER SUCH AS 10-20-10 OR EQUIVALENT AT 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET BETWEEN MARCH 15 AND APRIL 1.
B. FALL INSTALLATION OF SOD WILL REQUIRE THE ABOVE BETWEEN SEPTEMBER 1 AND OCTOBER 15.

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LANDSCAPE NOTES AND DETAILS

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, WHERE SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. (NYS EDUCATION LAW SECTION 7209-2)

REVISION 8 - 03/05/2021

BOHLER

SITE CIVIL AND CONSULTING ENGINEERING
LANDSCAPE ARCHITECT
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	DRAWN BY
1	08/25/2020	PER REVIEW COMMENTS	NCN
2	09/15/2020	TO TOWN PB	CVM
3	10/7/2020	PER TDE COMMENTS	MDL
4	12/11/2020	DESIGN PLANS	MDL
5	12/29/20	SEPTIC PLANS	MDL
6	12/30/20	PER TDE COMMENTS	MDL
7	02/22/21	PER TOWN COMMENTS	MDL
8	03/05/2021	PER TOWN COMMENTS	NCN

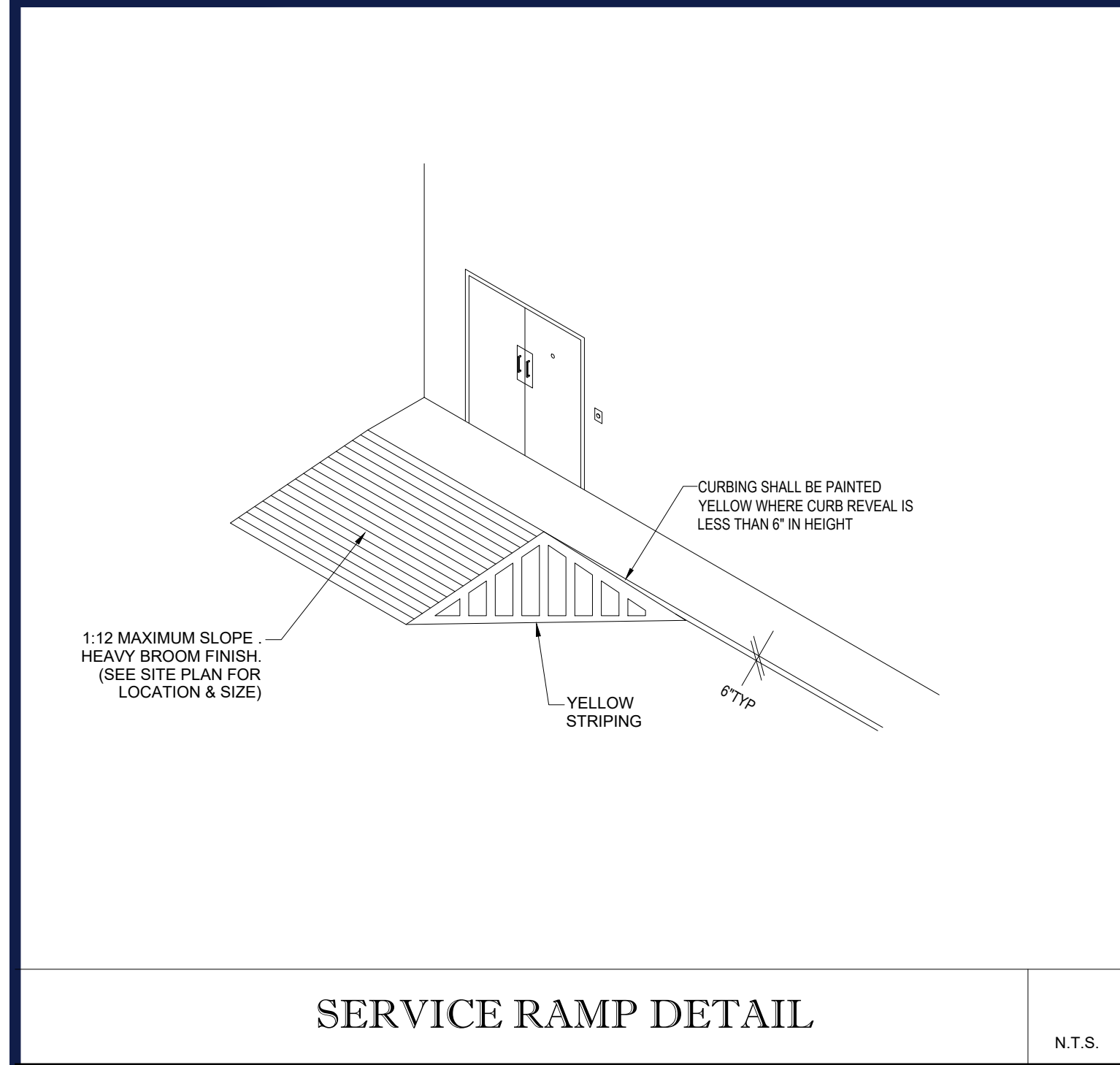
811
Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

PRELIMINARY

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

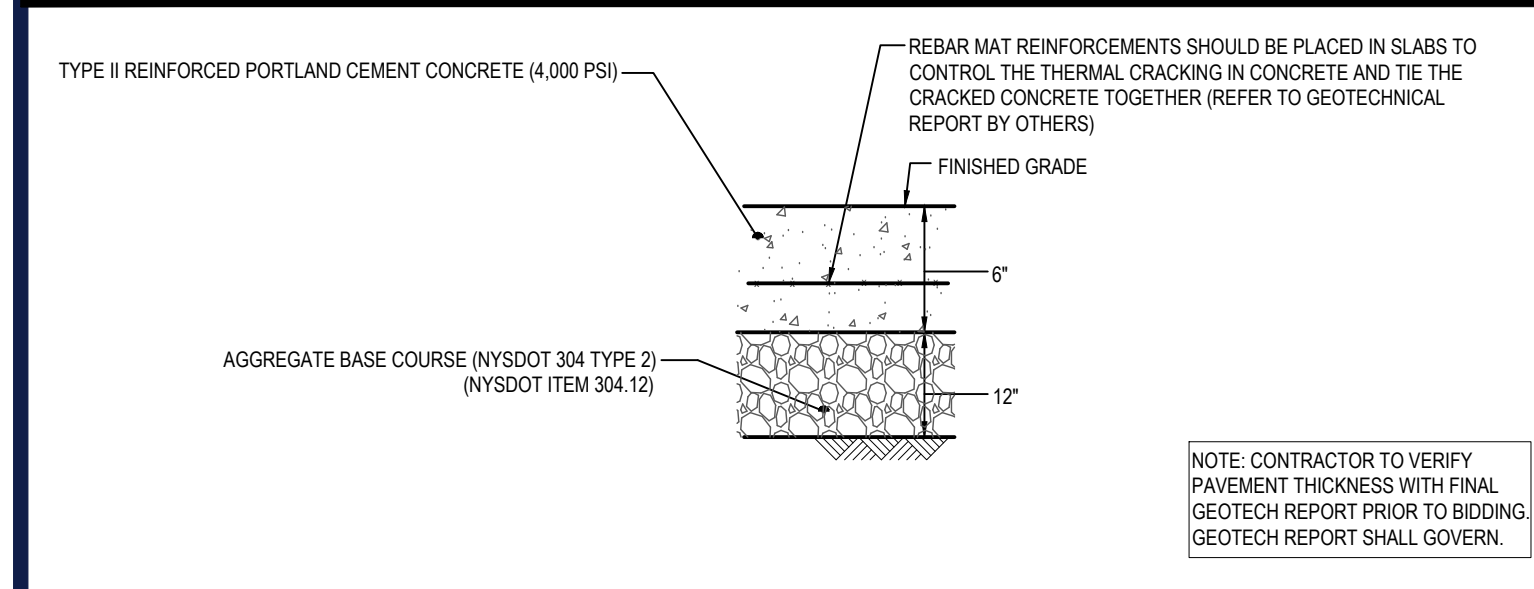
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DRAWN BY: ~ NCN ~
CHECKED BY: ~ CVM / CEB ~
DATE: B200130/SS00
CAD ID: B200130/SS00
PROJECT:
PROPOSED SITE PLAN DOCUMENTS
FOR
HSC MILTON, LLC.
PROPOSED DEVELOPMENT
MAP #103.1, BLOCK #2, LOT #74
NYS ROUTE 9W
TOWN OF MARLBOROUGH
ULSTER COUNTY
STATE OF NEW YORK
BOHLER
17 COMPUTER DRIVE WEST
ALBANY, NY 12205
Phone: (518) 438-9900
Fax: (518) 438-0900
www.BohlerEngineering.com
W.D. GOEBEL
PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE NO. 42644-C
RHODE ISLAND LICENSE NO. 7284
CONNECTICUT LICENSE NO. 21834-1
NEW HAMPSHIRE LICENSE NO. 0710280
MAINE LICENSE NO. 9490
NEW YORK LICENSE NO. 071084-1
FLORIDA LICENSE NO. 68202

1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL NON-BIODEGRADABLE MATERIAL AND ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL.
3. PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.
4. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJ



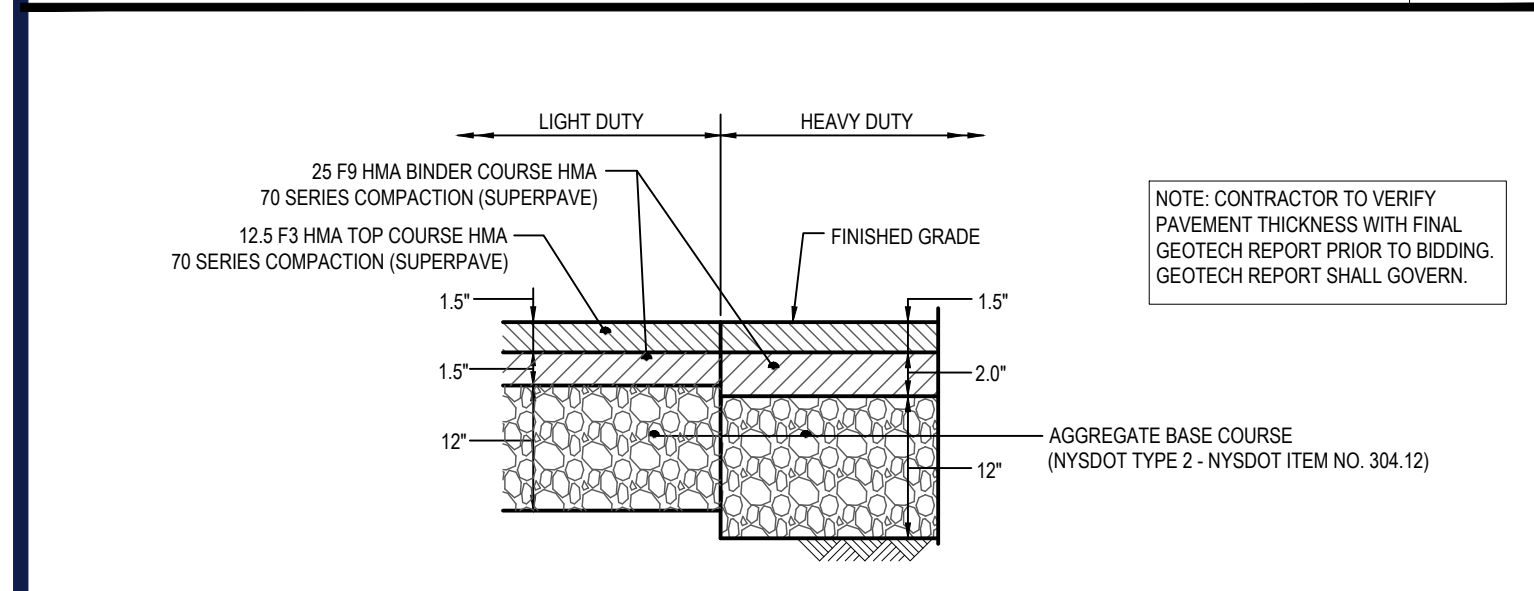
SERVICE RAMP DETAIL

N.T.S.



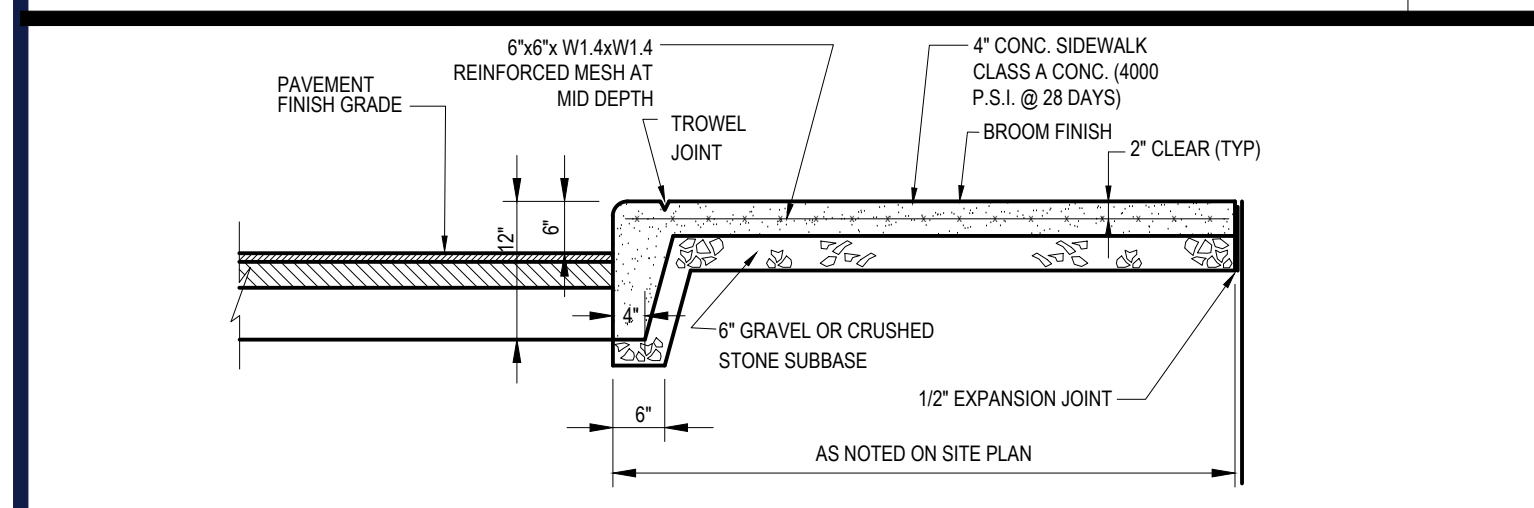
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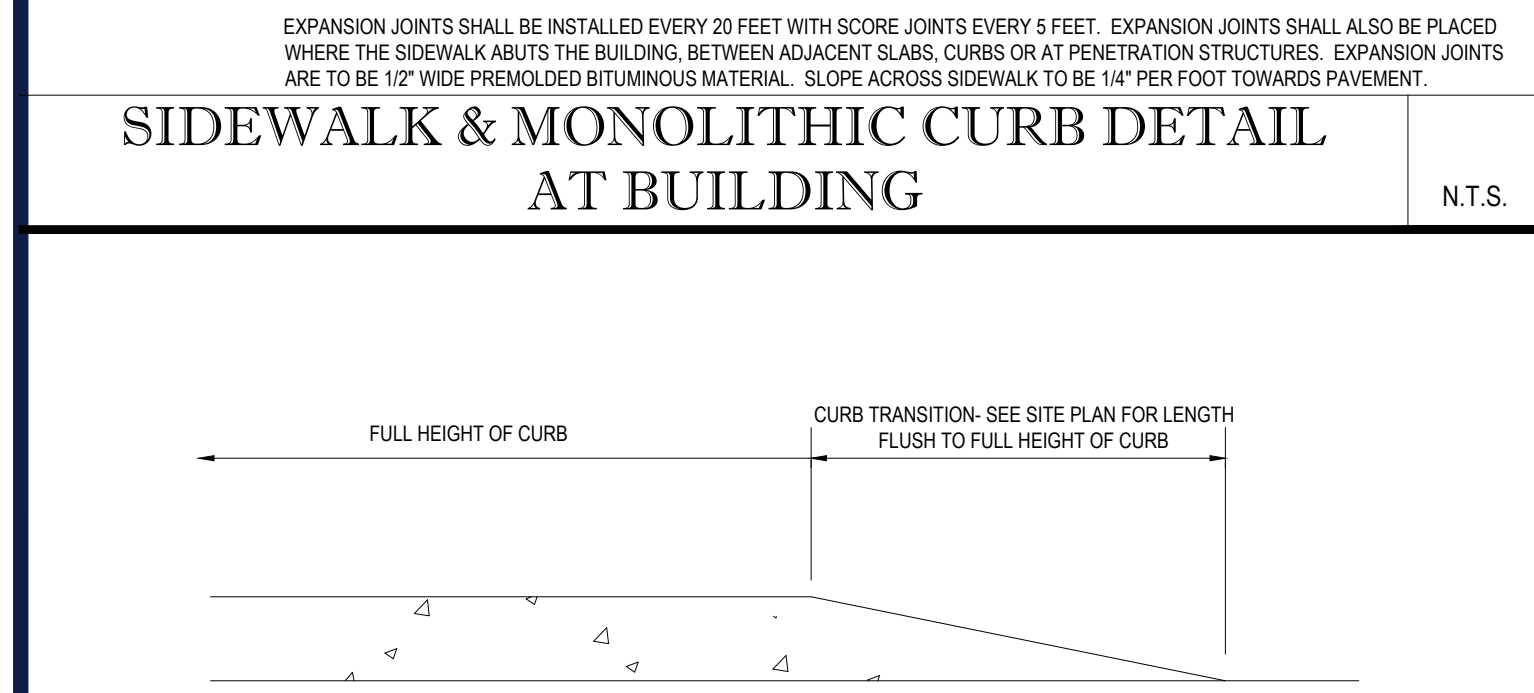
TYP. ON-SITE ASPHALT PAVEMENT DETAIL

N.T.S.



SIDEWALK & MONOLITHIC CURB DETAIL AT BUILDING

N.T.S.



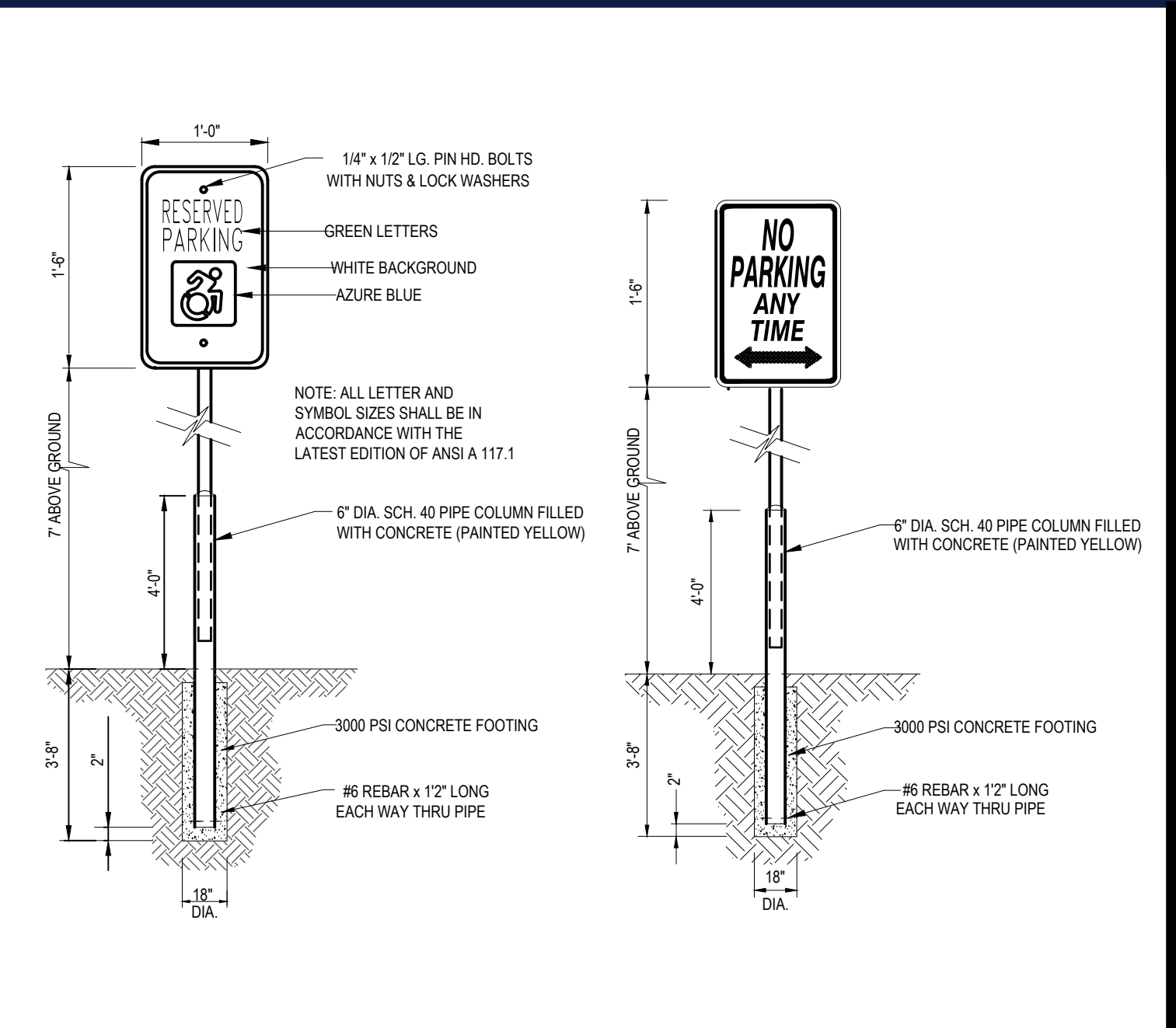
TRANSITION CURB DETAIL

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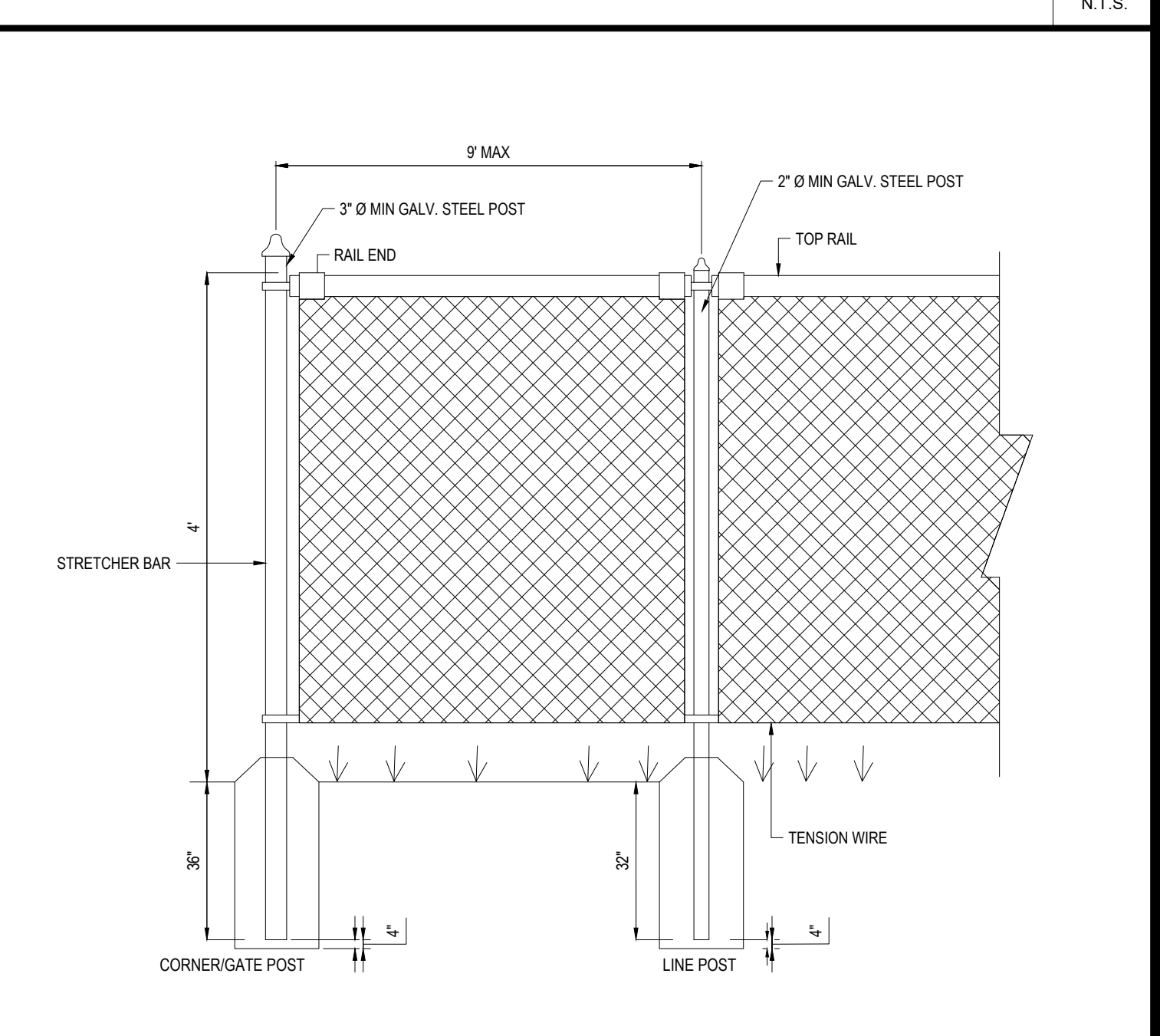
ACCESSIBLE PARKING DETAIL

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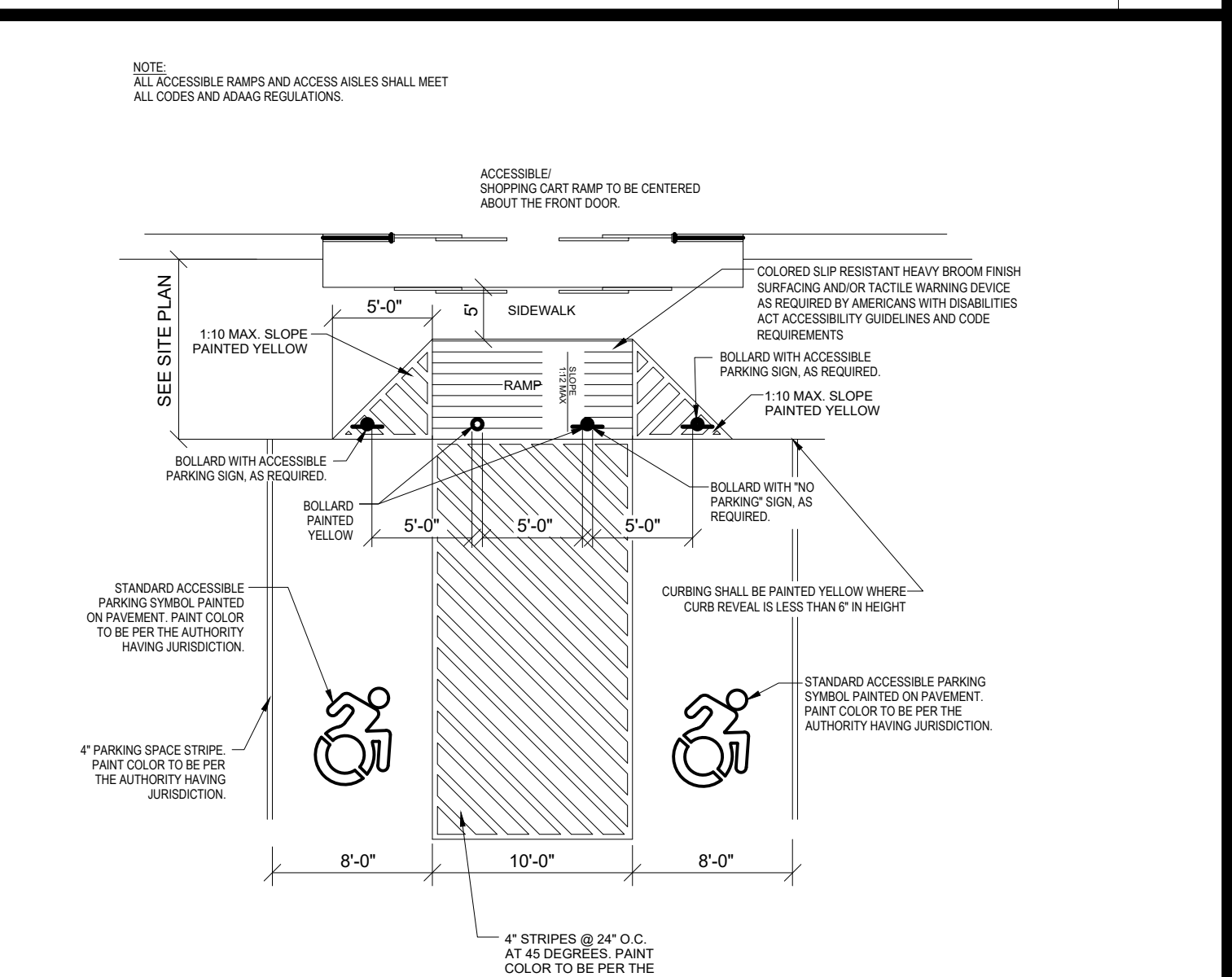
ACCESSIBLE / NO PARKING SIGN DETAILS

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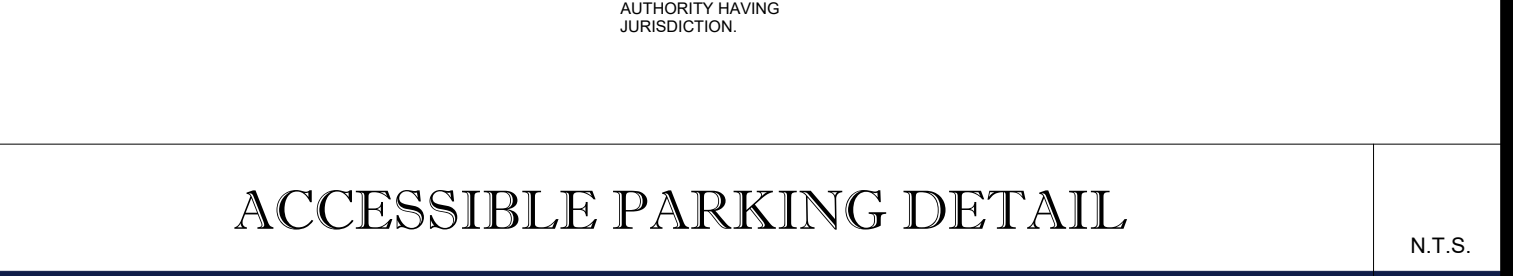
4' CHAIN LINK FENCE

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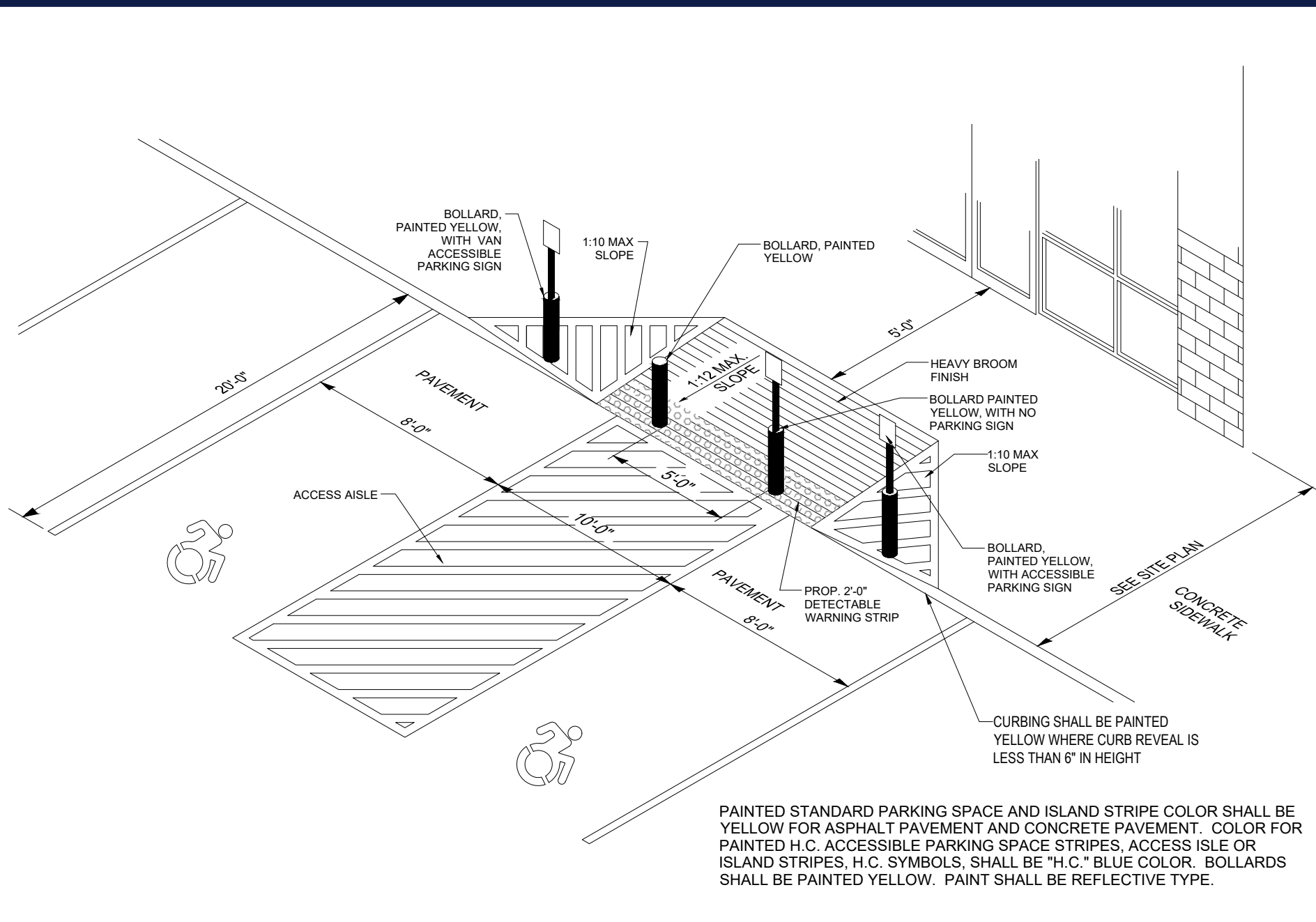
ACCESSIBLE PARKING DETAIL

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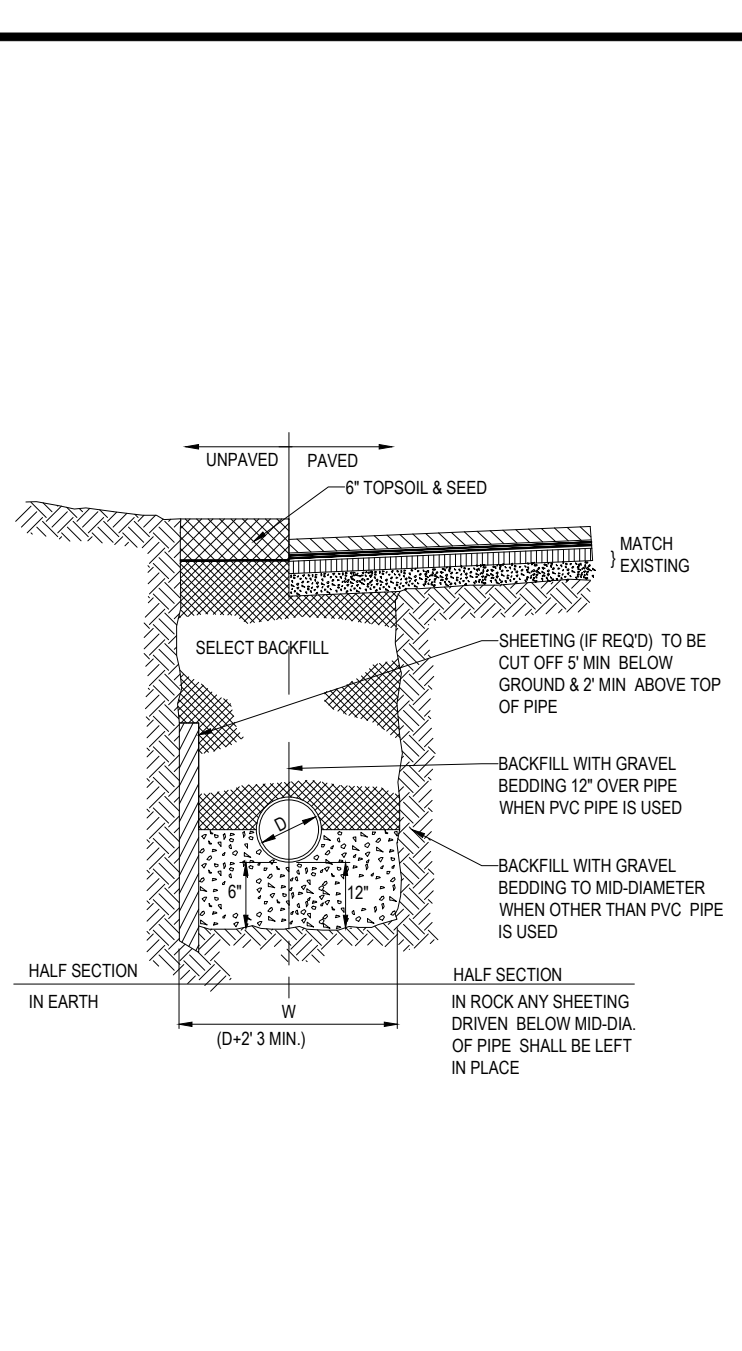
BOLLARD DETAIL

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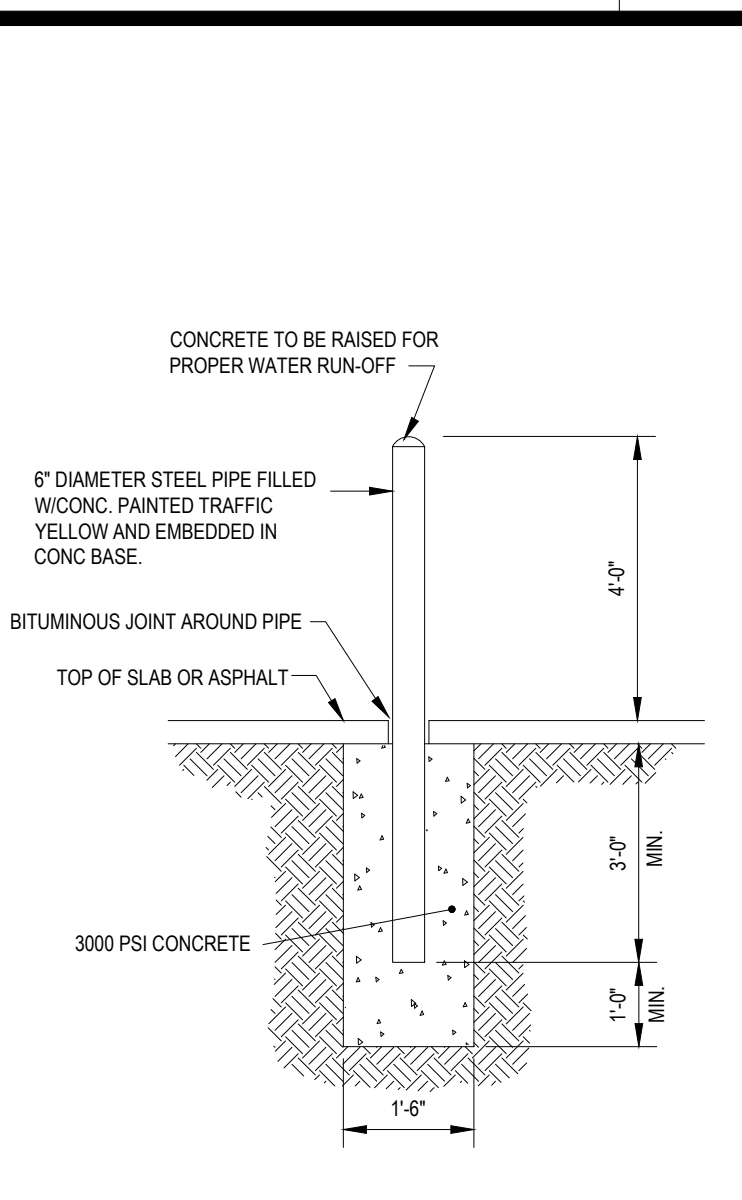
ACCESSIBLE PARKING & ACCESS AISLE DETAILS

N.T.S.



TYP. UTILITY TRENCH DETAIL

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BOLLARD DETAIL

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BOLLARD DETAIL

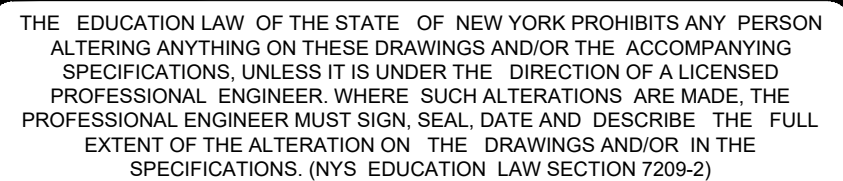
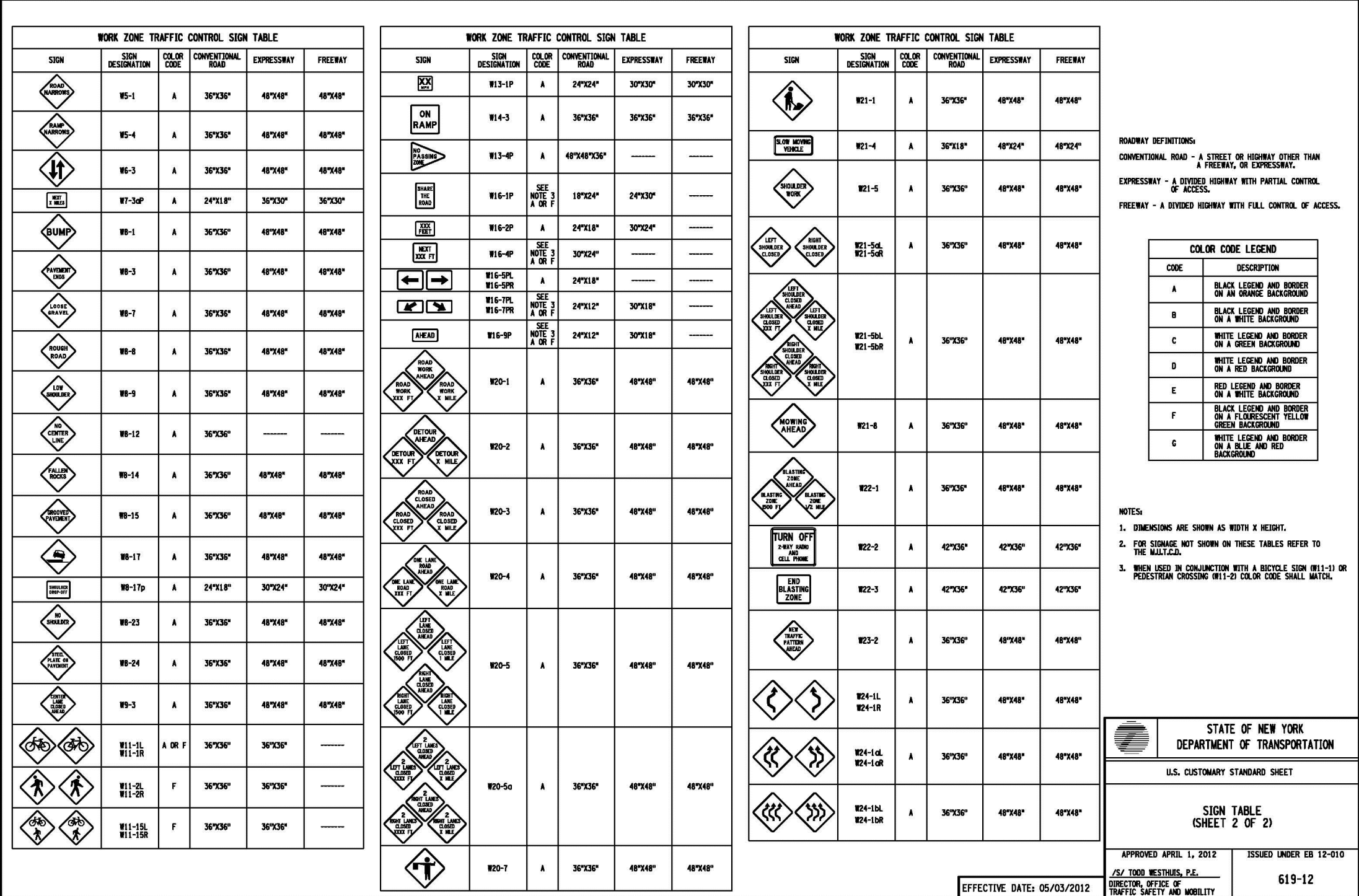
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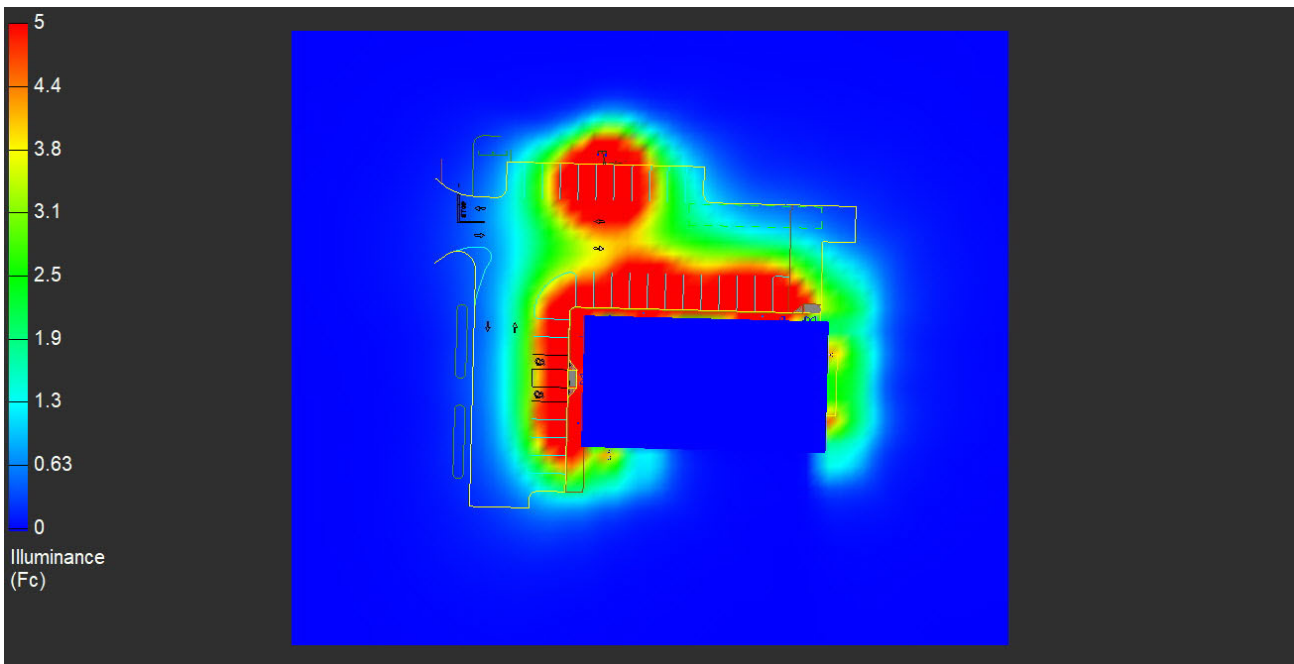
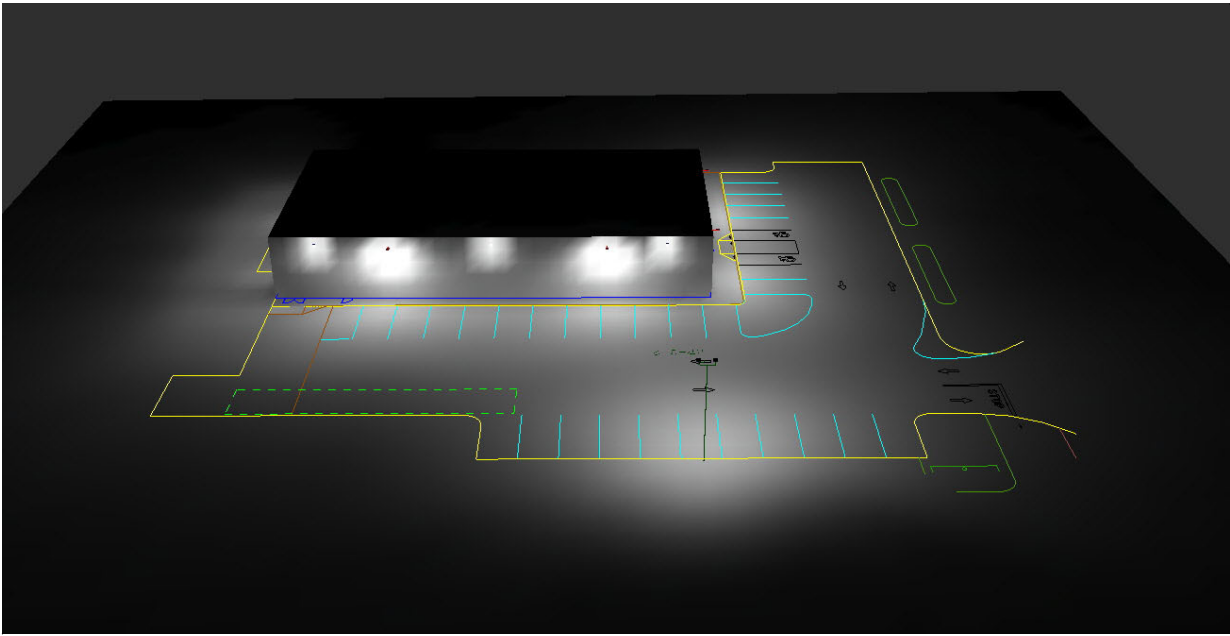
WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE						WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	DESCRIPTION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	PRETEXT	SIGN	DESCRIPTION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	PRETEXT	SIGN	DESCRIPTION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	PRETEXT
	A5-1 C	-----	72"X60"	72"X60"	-----		W10-11 B	24"X36"	48"X36"	48"X36"	-----		R13-2a B	60"X30"	60"X30"	60"X30"	-----
	A5-2 A	36"X18"	48"X12"	48"X12"	-----		W10-12 B	24"X30"	36"X30"	48"X30"	-----		R14-4a A	36"X30"	48"X30"	48"X30"	-----
	A5-3 A	36"X18"	48"X12"	48"X12"	-----		W10-13 A	36"X30"	48"X30"	48"X30"	-----		R14-4b A	36"X30"	48"X30"	48"X30"	-----
	A5-4 B	36"X18"	-----	-----	-----		W10-14 A	36"X30"	48"X30"	48"X30"	-----		R14-4c A	36"X30"	48"X30"	48"X30"	-----
	A5-5 A	24"X18"	36"X12"	36"X12"	-----		W10-15 A	36"X30"	48"X30"	48"X30"	-----		R14-4d A	36"X30"	48"X30"	48"X30"	-----
	A5-6 A	36"X18"	48"X12"	48"X12"	-----		W10-16 A	36"X30"	48"X30"	48"X30"	-----		R14-4e A	36"X30"	48"X30"	48"X30"	-----
	A5-7 C	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-17 A	36"X30"	48"X30"	48"X30"	-----		R14-4f A	36"X30"	48"X30"	48"X30"	-----
	A5-8 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-18 A	36"X30"	48"X30"	48"X30"	-----		R14-4g A	36"X30"	48"X30"	48"X30"	-----
	A5-9 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-19 A	36"X30"	48"X30"	48"X30"	-----		R14-4h A	36"X30"	48"X30"	48"X30"	-----
	A5-10 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-20 A	36"X30"	48"X30"	48"X30"	-----		R14-4i A	36"X30"	48"X30"	48"X30"	-----
	A5-11 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-21 A	36"X30"	48"X30"	48"X30"	-----		R14-4j A	36"X30"	48"X30"	48"X30"	-----
	A5-12 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-22 A	36"X30"	48"X30"	48"X30"	-----		R14-4k A	36"X30"	48"X30"	48"X30"	-----
	A5-13 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-23 A	36"X30"	48"X30"	48"X30"	-----		R14-4l A	36"X30"	48"X30"	48"X30"	-----
	A5-14 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-24 A	36"X30"	48"X30"	48"X30"	-----		R14-4m A	36"X30"	48"X30"	48"X30"	-----
	A5-15 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-25 A	36"X30"	48"X30"	48"X30"	-----		R14-4n A	36"X30"	48"X30"	48"X30"	-----
	A5-16 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-26 A	36"X30"	48"X30"	48"X30"	-----		R14-4o A	36"X30"	48"X30"	48"X30"	-----
	A5-17 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-27 A	36"X30"	48"X30"	48"X30"	-----		R14-4p A	36"X30"	48"X30"	48"X30"	-----
	A5-18 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-28 A	36"X30"	48"X30"	48"X30"	-----		R14-4q A	36"X30"	48"X30"	48"X30"	-----
	A5-19 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-29 A	36"X30"	48"X30"	48"X30"	-----		R14-4r A	36"X30"	48"X30"	48"X30"	-----
	A5-20 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-30 A	36"X30"	48"X30"	48"X30"	-----		R14-4s A	36"X30"	48"X30"	48"X30"	-----
	A5-21 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-31 A	36"X30"	48"X30"	48"X30"	-----		R14-4t A	36"X30"	48"X30"	48"X30"	-----
	A5-22 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-32 A	36"X30"	48"X30"	48"X30"	-----		R14-4u A	36"X30"	48"X30"	48"X30"	-----
	A5-23 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-33 A	36"X30"	48"X30"	48"X30"	-----		R14-4v A	36"X30"	48"X30"	48"X30"	-----
	A5-24 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-34 A	36"X30"	48"X30"	48"X30"	-----		R14-4w A	36"X30"	48"X30"	48"X30"	-----
	A5-25 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-35 A	36"X30"	48"X30"	48"X30"	-----		R14-4x A	36"X30"	48"X30"	48"X30"	-----
	A5-26 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-36 A	36"X30"	48"X30"	48"X30"	-----		R14-4y A	36"X30"	48"X30"	48"X30"	-----
	A5-27 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-37 A	36"X30"	48"X30"	48"X30"	-----		R14-4z A	36"X30"	48"X30"	48"X30"	-----
	A5-28 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-38 A	36"X30"	48"X30"	48"X30"	-----		R14-4aa A	36"X30"	48"X30"	48"X30"	-----
	A5-29 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-39 A	36"X30"	48"X30"	48"X30"	-----		R14-4ab A	36"X30"	48"X30"	48"X30"	-----
	A5-30 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-40 A	36"X30"	48"X30"	48"X30"	-----		R14-4ac A	36"X30"	48"X30"	48"X30"	-----
	A5-31 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-41 A	36"X30"	48"X30"	48"X30"	-----		R14-4ad A	36"X30"	48"X30"	48"X30"	-----
	A5-32 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-42 A	36"X30"	48"X30"	48"X30"	-----		R14-4ae A	36"X30"	48"X30"	48"X30"	-----
	A5-33 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-43 A	36"X30"	48"X30"	48"X30"	-----		R14-4af A	36"X30"	48"X30"	48"X30"	-----
	A5-34 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-44 A	36"X30"	48"X30"	48"X30"	-----		R14-4ag A	36"X30"	48"X30"	48"X30"	-----
	A5-35 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-45 A	36"X30"	48"X30"	48"X30"	-----		R14-4ah A	36"X30"	48"X30"	48"X30"	-----
	A5-36 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-46 A	36"X30"	48"X30"	48"X30"	-----		R14-4ai A	36"X30"	48"X30"	48"X30"	-----
	A5-37 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-47 A	36"X30"	48"X30"	48"X30"	-----		R14-4aj A	36"X30"	48"X30"	48"X30"	-----
	A5-38 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-48 A	36"X30"	48"X30"	48"X30"	-----		R14-4ak A	36"X30"	48"X30"	48"X30"	-----
	A5-39 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-49 A	36"X30"	48"X30"	48"X30"	-----		R14-4al A	36"X30"	48"X30"	48"X30"	-----
	A5-40 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-50 A	36"X30"	48"X30"	48"X30"	-----		R14-4am A	36"X30"	48"X30"	48"X30"	-----
	A5-41 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-51 A	36"X30"	48"X30"	48"X30"	-----		R14-4an A	36"X30"	48"X30"	48"X30"	-----
	A5-42 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-52 A	36"X30"	48"X30"	48"X30"	-----		R14-4ao A	36"X30"	48"X30"	48"X30"	-----
	A5-43 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-53 A	36"X30"	48"X30"	48"X30"	-----		R14-4ap A	36"X30"	48"X30"	48"X30"	-----
	A5-44 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-54 A	36"X30"	48"X30"	48"X30"	-----		R14-4aq A	36"X30"	48"X30"	48"X30"	-----
	A5-45 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-55 A	36"X30"	48"X30"	48"X30"	-----		R14-4ar A	36"X30"	48"X30"	48"X30"	-----
	A5-46 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-56 A	36"X30"	48"X30"	48"X30"	-----		R14-4as A	36"X30"	48"X30"	48"X30"	-----
	A5-47 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-57 A	36"X30"	48"X30"	48"X30"	-----		R14-4at A	36"X30"	48"X30"	48"X30"	-----
	A5-48 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-58 A	36"X30"	48"X30"	48"X30"	-----		R14-4au A	36"X30"	48"X30"	48"X30"	-----
	A5-49 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-59 A	36"X30"	48"X30"	48"X30"	-----		R14-4av A	36"X30"	48"X30"	48"X30"	-----
	A5-50 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-60 A	36"X30"	48"X30"	48"X30"	-----		R14-4aw A	36"X30"	48"X30"	48"X30"	-----
	A5-51 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-61 A	36"X30"	48"X30"	48"X30"	-----		R14-4ax A	36"X30"	48"X30"	48"X30"	-----
	A5-52 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-62 A	36"X30"	48"X30"	48"X30"	-----		R14-4ay A	36"X30"	48"X30"	48"X30"	-----
	A5-53 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-63 A	36"X30"	48"X30"	48"X30"	-----		R14-4az A	36"X30"	48"X30"	48"X30"	-----
	A5-54 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-64 A	36"X30"	48"X30"	48"X30"	-----		R14-4ba A	36"X30"	48"X30"	48"X30"	-----
	A5-55 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-65 A	36"X30"	48"X30"	48"X30"	-----		R14-4bb A	36"X30"	48"X30"	48"X30"	-----
	A5-56 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-66 A	36"X30"	48"X30"	48"X30"	-----		R14-4bc A	36"X30"	48"X30"	48"X30"	-----
	A5-57 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-67 A	36"X30"	48"X30"	48"X30"	-----		R14-4bd A	36"X30"	48"X30"	48"X30"	-----
	A5-58 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-68 A	36"X30"	48"X30"	48"X30"	-----		R14-4be A	36"X30"	48"X30"	48"X30"	-----
	A5-59 B	10' X 2' HORIZONTAL 24"X36"	36"X30"	36"X30"	-----		W10-69 A	36"X30"	48"X30"	48"X30"	-----						

DAILY LANE CLOSURE RESTRICTIONS
THERE SHALL BE NO TEMPORARY LANE CLOSURES ON ROUTE 9W ON THE FOLLOWING DAYS AND TIMES:
MONDAY THROUGH FRIDAY: 6:00A.M. TO 9:00A.M. AND 3:00P.M TO 6:00P.M.
NOTE: THE CONTRACTOR MUST NOTIFY THE NYSDOT PRIOR TO ANY LANE CLOSURES.

TO KEEP 511NY SYSTEM UP-TO-DATE, ANY SCHEDULED WORK OR ACTIVITIES ON ALL STATE HIGHWAYS NOT DEFINED AS A KEY CORRIDOR, WHICH RESTRICT THE WIDTH, HEIGHT, LENGTH OR WEIGHT AVAILABILITY OF THE TRAVEL WAY OR SHOULDER, MUST BE REPORTED TO THE SURFACE TRANSPORTATION CONTROLLER (STC) USING THE ROAD WORK FORM (RWF). STC APPROVAL IS NOT REQUIRED, BUT NOTIFICATION TO THE STC (BY EMAIL TO DOT.SM.R08.STC) LOCATED AT THE HUDSON VALLEY TRANSPORTATION MANAGEMENT CENTER (HVTMC) USING THE ROAD WORK FORM (RWF) IS REQUIRED. ALL OTHER LANE CLOSURE NOTES AND INFORMATION IN THE CONTRACT DOCUMENTS SHALL ALSO BE FOLLOWED.



Luminaire	Location	Summary
LumNo	Label	Z
1	HB	17
2	HB	17
3	HB	17
4	HB	17
5	G	17
6	G	17
7	G	17
8	G	12
9	HP-S-2	27
10	G	12
11	G	12



Plan Notes:
Calculations at Ground Level (10' x 10' Grid Spacing). Refer to luminaire location summary for mounting heights of each fixture. Pole mounted fixtures include a 2ft concrete base. Mounting heights indicated on luminaire location summary is a total A.F.G. height.



Drawn By: BMF, LC
Checked By:
Date: 10/15/2020
Scale:

Dollar General - Milton 22620