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Pivot Energy

Environmental

Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C.

217 Montgomery Street, Suite 1000 Syracuse, New York 13202 P. 315.471.0688

PIVOT SOLAR NY 5

TOWN OF TICONDEROGA, ESSEX COUNTY, NEW YORK

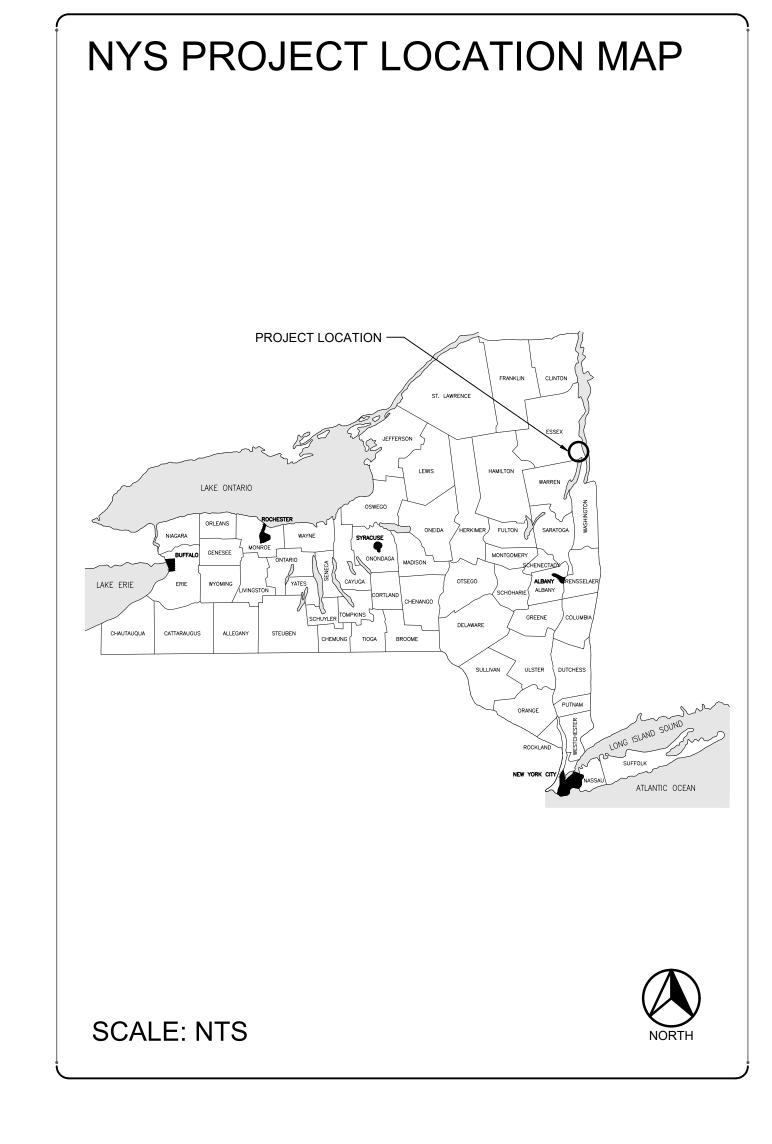
OCTOBER 13, 2021

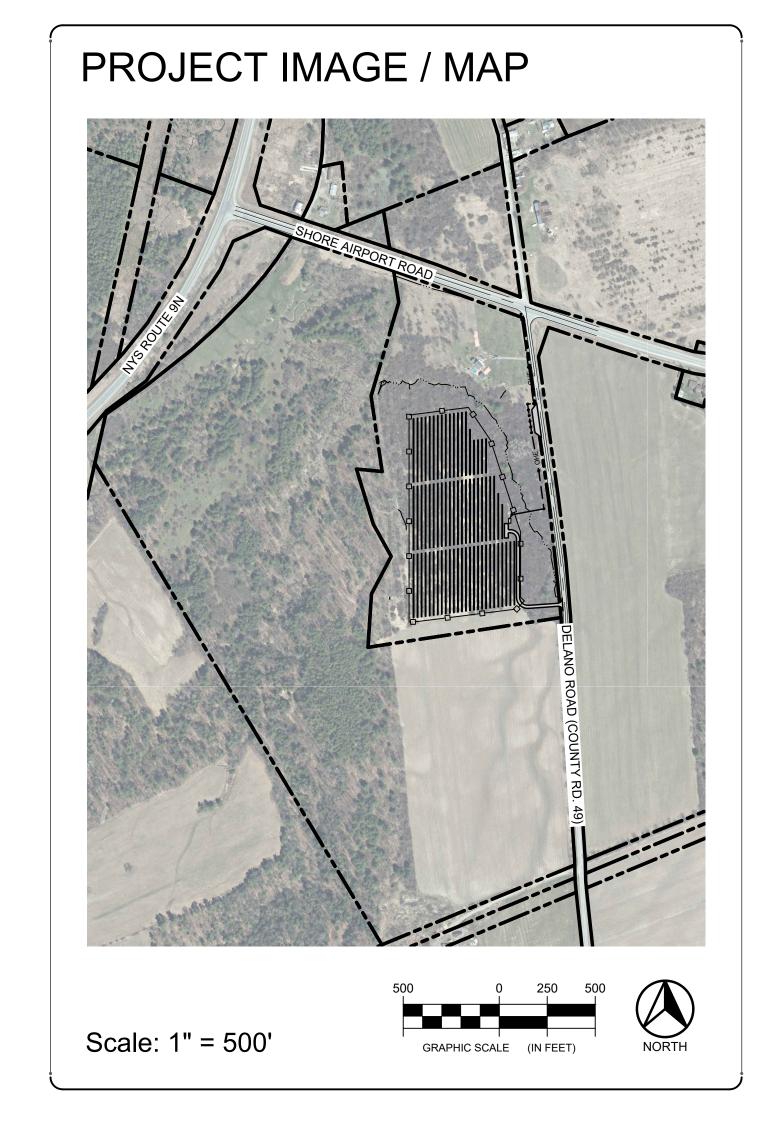
EDR JOB # 20201 APA SUBMISSION

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12/2/2021

NOT FOR CONSTRUCTION





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GENERAL NOTES

- 1. THE CONTRACTOR SHALL USE THE WRITTEN DIMENSIONS PROVIDED WITHIN THE CONTRACT DRAWINGS. SCALED DIMENSIONS SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.
- 2. THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE IMMEDIATELY IF CLARIFICATIONS OR INTERPRETATIONS OF THE CONTRACT DOCUMENTS, OR ANY OTHER ASPECTS OF THE PROJECT, IS REQUIRED.
- 3. THE CONTRACTOR SHALL APPLY FOR ALL REQUIRED PERMITS AND PAY ALL FEES REQUIRED BY GOVERNING AGENCIES HAVING JURISDICTION OVER THE FACILITIES AND
- NATURAL FEATURES FOUND ON SITE. 4. SITE ACCESS IS RESTRICTED TO THE LOCATIONS SPECIFICALLY DESIGNATED ON PLAN. 5. THE CONTRACTOR SHALL ADHERE TO ALL OCCUPATIONAL SAFETY AND HEALTH
- ADMINISTRATION (OSHA). STATE AND LOCAL SAFETY REGULATIONS. 6. PROMPTLY REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES FOUND ON THE SITE OR IN THE CONTRACT DOCUMENTS FOR REVIEW AND RESOLUTION BEFORE PROCEEDING WITH THE WORK IN THE AREA IN QUESTION. PROVIDE FIELD INFORMATION
- SPECIFIC TO THE DISCREPANCY TO EXPEDITE RESOLUTION. 7. AVOID ANY DISTURBANCE OF EXISTING VEGETATION ON THE SITE EXCEPT THE VEGETATION SPECIFICALLY DESIGNATED TO BE REMOVED.
- 8. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENTATION AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.
- 9. THIS PROJECT REQUIRES COVERAGE UNDER THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, PERMIT NO. GP-0-20-001 (GENERAL PERMIT). THE GENERAL PERMIT AUTHORIZES STORMWATER DISCHARGES TO SURFACE WATERS OF THE STATE FROM CONSTRUCTION RELATED ACTIVITIES. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED IN ACCORDANCE WITH THIS PERMIT. AND IS PART OF THE CONTRACT AND CONSTRUCTION REQUIREMENTS FOR THIS PROJECT. THE CONTRACTOR SHALL OBTAIN A COPY OF THE APPROVED SWPPP FOR THIS PROJECT, PRIOR TO DEVELOPING A BID PRICE FOR THE OWNER. THE SWPPP INCLUDES THE REQUIREMENTS FOR PRECONSTRUCTION ACTIVITIES, INSPECTIONS DURING CONSTRUCTION, AND POST CONSTRUCTION CERTIFICATIONS THAT MUST BE FOLLOWED BY THE CONTRACTOR AND THE OWNER TO STAY IN COMPLIANCE WITH THIS PERMIT. THESE REQUIREMENTS ARE DESCRIBED IN THE SWPPP, AND SHALL BE INCLUDED INTO THE CONTRACTOR'S BID PRICING FOR THIS PROJECT, AS WELL AS THE CONDITIONS OF WORK BY BOTH THE CONTRACTOR AND OWNER.
- 10. THE BOUNDARY, TOPOGRAPHIC, AND UTILITY INFORMATION SHOWN ON THIS PLAN WAS PREPARED WITH PUBLICALY AVAILABLE DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXISTING INFORMATION PRIOR TO CONSTRUCTION. 11. NO SUBSURFACE SOIL INFORMATION WAS OBTAINED ON THIS SITE FOR THIS PROJECT
- 12. THE START OF ANY ON-SITE CONSTRUCTION INCLUDING STRIPPING TOPSOIL, REMOVING CUT OR PLACING FILL MATERIAL ESTABLISHES THAT THE CONTRACTOR ACCEPTS THE CONTRACT DOCUMENTS AS ACCURATELY REPRESENTING THE EXISTING SITE CONDITIONS. 13. ALL FACILITIES TO BE CONSTRUCTED OR INSTALLED SHALL COMPLY WITH ALL SECTIONS AND LATEST REVISIONS OF THE REQUIREMENTS OF ALL AGENCIES OF GOVERNMENT HAVING JURISDICTION.
- 14. LONG LEAD AND SCARCE MATERIALS SHALL BE ORDERED IN A TIMELY MANNER TO PREVENT AVOIDABLE CONSTRUCTION DELAYS.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE CAUSED BY CONSTRUCTION TO EXISTING UTILITIES AND FACILITIES WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. THE CONTRACTOR SHALL REPAIR, RESTORE AND/OR REPLACE ALL DAMAGE TO THE SATISFACTION OF OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- 16. THE CONTRACTOR SHALL RESTORE ALL DISTURBED SURFACES TO ORIGINAL OR BETTER CONDITION INCLUDING COMPLIANCE WITH LOCAL, COUNTY, AND FEDERAL REQUIREMENTS.
- 17. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATED SURFACES WITH 6 INCHES OF TOPSOIL, SEED, FERTILIZER, AND MULCH. OTHER SURFACES SHALL BE RESTORED AS SHOWN ON THE DETAILS.
- 18. THE OWNER'S REPRESENTATIVE SHALL REVIEW THE LAYOUT OF ALL PAVEMENTS, UTILITIES, AND PLANTINGS IN THE FIELD BEFORE INSTALLATION. THE CONTRACTOR SHALL SCHEDULE ADVANCED NOTIFICATION TO THE OWNER'S REPRESENTATIVE TO FACILITATE TIMELY
- 19. ADJUST THE RIM ELEVATIONS OF EXISTING UTILITY STRUCTURES SCHEDULED TO REMAIN TO BE FLUSH WITH THE FINISHED GRADE ELEVATIONS.

EROSION & SEDIMENT CONTROL PLAN NOTES

- 1. DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL AND SHALL BE STABILIZED WITHIN THE TIME FRAME REQUIRED BY THE SWPPP.
- 2. MAINTAIN AN ADEQUATE SUPPLY OF EROSION AND SEDIMENT CONTROL MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO BE USED FOR URGENT SITUATIONS, SUCH AS UNEXPECTED HEAVY RAINFALL.
- 3. EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO A STABILIZED CONSTRUCTION ENTRANCE, STABILIZED CONSTRUCTION STAGING AREA AND SILT FENCE SHALL BE THE FIRST ITEMS CONSTRUCTED WHEN SITE WORK BEGINS. AND MUST BE COMPLETELY FUNCTIONAL BEFORE DOWN SLOPE LAND DISTURBANCE BEGINS.
- 4. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THEIR DESIGN. ANY NEED FOR REPAIRS OR MAINTENANCE SHALL BE ADDRESSED IMMEDIATELY TO ASSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION THROUGHOUT THE CONSTRUCTION PROCESS.
- 5. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM AND FUEL TANK DRAIN DOWN, DEGREASING OPERATIONS AND OTHER ACTIVITIES THAT MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS MUST BE CONDUCTED OFF-SITE. ACCIDENTAL SPILLS MUST BE CLEANED UP IMMEDIATELY AND CONTAMINANTS DISPOSED OF PROPERLY.
- 6. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING TO PROVIDE DUST CONTROL DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES AS SHOWN ON THE DETAIL SHEETS IF NEEDED, OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE DURING THE COURSE OF CONSTRUCTION, AT NO COST TO THE
- 8. THE CONTRACTOR SHALL INSTALL AND MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE TO PREVENT THE TRANSPORT OF SEDIMENT ONTO PUBLIC ROADS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IF SEDIMENT IS TRANSPORTED ONTO ROADS, IT MUST BE REMOVED FROM THE ROAD SURFACE ON A DAILY BASIS AND PRIOR TO RAIN EVENTS. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTAMINATION OF STORMWATER AND SURFACE WATER.
- 9. VEGETATION SHALL BE PROTECTED OUTSIDE OF THE LIMITS OF DISTURBANCE. 10. ALL EXISTING TOPSOIL SHALL BE STOCKPILED TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS FOR THE ESTABLISHMENT OF VEGETATION.
- 11. THE CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR LOCATING SOIL AND EXCESS EXCAVATED EARTH STOCK PILES AT A STABLE LOCATION. STOCK PILES SHALL BE STABILIZED PER THE DETAIL.
- 12. CONSTRUCTION ROUTES SHALL BE STABILIZED PER THE NYS STANDARDS FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY BASED ON SITE CONDITIONS.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR THE PLACEMENT, DESIGN, APPROVAL, AND OPERATION OF THE CONCRETE WASHOUTS. THE CONCRETE WASHOUTS SHALL BE INSTALLED A MINIMUM OF 50' FROM STORM DRAINAGE OR SURFACE WATER. CONCRETE WASTE MATERIAL SHALL NOT BE ALLOWED TO ESCAPE FROM THE CONCRETE WASHOUT.
- 14. FOR INSTALLED SEDIMENT CONTROL PRACTICES, REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS WHEN THE ACCUMULATION HAS REACHED A DEPTH OF 25% OF THE HEIGHT AND/OR VOLUME OF THE PRACTICE'S CAPACITY, OR MORE FREQUENTLY AS REQUIRED BY THE DETAILS.
- 15. THE CONTRACTOR SHALL PROVIDE PORTABLE HANDWASHING AND SANITARY FACILITIES, THESE FACILITIES SHALL BE SERVICED REGULARLY BY AN APPROVED SERVICE PROVIDER.
- 16. SOLID WASTE SHALL BE STORED IN COVERED DUMPSTERS OR OTHER APPROPRIATE CONTAINERS. WASTE IS TO BE DISPOSED OF REGULARLY AND PROPERLY IN ACCORDANCE WITH LOCAL, STATE, AND/OR FEDERAL REGULATIONS.
- 17. DURING ROUGH GRADING, LEAVE SLOPE SURFACES SLIGHTLY ROUGHENED. 18. THE EROSION AND SEDIMENT CONTROLS ARE SHOWN FOR A CONDITION WHEN ALL WORK IS OCCURRING SIMULTANEOUSLY. ACTUAL INSTALLATIONS SHALL BE ADJUSTED BASED ON CURRENT CONSTRUCTION ACTIVITY AND SITE CONDITIONS.

PLANTING PLAN NOTES

- 1. THE PLANTING OPERATION SHALL ONLY BE PERFORMED BY AN EXPERIENCED LANDSCAPE CONTRACTOR FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE DIRECTION OF A QUALIFIED SUPERVISOR.
- 2. ALL PLANT MATERIALS SHALL COMPLY WITH AMERICAN STANDARDS FOR NURSERY STOCK
- 3. IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN, EACH PLANT SIZE LISTED ON THE PLANT LIST IS THE MINIMUM SIZE ALLOWABLE FOR THAT GRADE AND SHALL INCLUDE PLANTS FROM THAT SIZE UP TO BUT NOT INCLUDING THE NEXT LARGER GRADE SIZE.
- 4. FURNISH PLANTS IN A GOOD AVERAGE OF THE SIZE RANGE. FOR EACH PLANT OF THE MINIMUM SIZE, FURNISH ONE (1) PLANT OF THE SAME SPECIES AT THE MAXIMUM SIZE
- 5. THE CONTRACTOR SHALL LAYOUT ALL PLANT BEDS AND PLACE THE INDIVIDUAL PLANTS ON FINISHED GRADE IN THE LOCATIONS INDICATED ON PLAN FOR REVIEW BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION, AND PROVIDE ADEQUATE ADVANCED NOTIFICATION FOR TIMELY REVIEW.
- 6. UPON NOTIFICATION, THE OWNER'S REPRESENTATIVE WILL REVIEW IN THE FIELD THE LAYOUT OF ALL PLANT BED EDGES AND INDIVIDUAL PLANT LOCATIONS BEFORE INSTALLATION IS PERMITTED. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INTERCHANGE THE PLANTS AND TO SHIFT THE PLANT LOCATIONS AND PLANT BED CONFIGURATION IF IT IS POSSIBLE IN THEIR JUDGMENT TO ACHIEVE A BETTER EFFECT BY
- THE CHANGES. 7. INSTALL PLANT MATERIALS AT THE CORRECT GRADE. CONFIRM THAT THE FINISHED GRADING IS COMPLETED IN THE AREAS WHERE PLANT MATERIALS ARE TO BE INSTALLED.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING THE INSTALLED PLANT MATERIALS UNTIL SUBSTANTIAL COMPLETION OF THE CONSTRUCTION OR UNTIL FINAL ACCEPTANCE OF THE PLANT MATERIALS, WHICHEVER OCCURS LAST.

ABBREVIATIONS

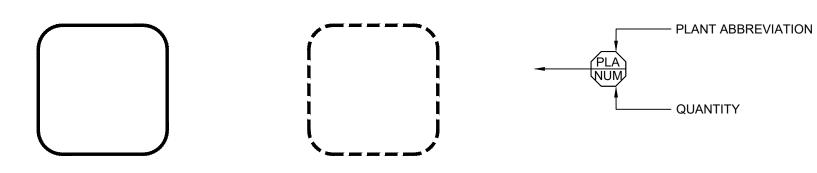
ENLARGEMENT AREA

AL	ALUMINUM	I DMH	DROP MANHOLE	l IN	INCH/INCHES	l PC	POINT OF CURVATURE	TC	TOP OF CURB
ACT	ACTUAL	DWG	DRAWING	INL	INLET	PL	PROPERTY LINE	TOS	TOP OF SLOPE
APPR	APPROXIMATE/	5	2.0.000	INV	INVERT	PT	POINT OF TANGENT/	TS	TOP OF STAIR
	APPROXIMATELY	E	EAST	IP	IRON PIPE	' '	PERCOLATION TEST	TW	TOP OF WALL
	7 7	EA	EACH				LOCATION	TYP	TYPICAL
ВС	BOTTOM OF CURB	EJ	EXPANSION JOINT	JB	JUNCTION BOX	PVC	POLYVINYL CHLORIDE	T&G	TONGUE AND GROOVE
BLDG	BUILDING	EL	ELEVATION	"	33.13.13.12.3.1		. 62. ()		101100271112 0110012
BM	BENCHMARK	EQ	EQUAL	L	LENGTH/LONG	R	RADIUS		
BOS	BOTTOM OF SLOPE	ES	END SECTION	LA	LANDSCAPE ARCHITECT	RCP	REINFORCED CONCRETE	UD	UNDERDRAIN
BS	BOTTOM OF STAIR	EX	EXISTING	LAT	LATITUDE		PIPE	USGS	UNITED STATES
BW	BOTTOM OF WALL	EXP	EXPANSION	LF	LINEAR FEET	REINF	REINFORCING		GEOLOGICAL SURVEY
B&B	BALLED AND BURLAPPED		_, , , , , , , , , , , , , , , , , , ,	LFT	LEFT	REQD	REQUIRED		
	2, .2.2.2 ,2 2 6, .2 22	FFE	FINISHED FLOOR ELEVATION	LIN	LINEAR	REV	REVISION	VAR	VARIES/VARIABLE
CAL	CALIPER	FG	FINISHED GRADE	l LP	LOW POINT	ROW	RIGHT OF WAY	VCP	VITRIFIED CLAY PIPE
СВ	CATCH BASIN	FIN	FINISH			RT	RIGHT	VERT	VERTICAL
CF	CUBIC FEET	FL	FLOOR	М	METER				-
CI	CAST IRON	FTG	FOOTING	MAX	MAXIMUM	s	SOUTH	l w	WEST
CIP	CAST IN PLACE	FT	FOOT/FEET	МН	MANHOLE	SAN	SANITARY	WE	WATER ELEVATION
CIR	CIRCLE/CIRCULAR			MIN	MINIMUM	SECT	SECTION	l WL	WALK LIGHT
CJ	CONTROL JOINT	GA	GAUGE	MISC	MISCELLANEOUS	SF	SQUARE FOOT	l wv	WATER VALVE
CLF	CHAIN-LINK FENCE	GAL	GALLON	MON	MONUMENT	SG	SUB GRADE	WWM	WOVEN WIRE MESH
CLL	CONTRACT LIMIT LINE	GALV	GALVANIZED			SH	SHEET	W/	WITH
CLR	CLEAR	GC	GENERAL CONTRACTOR	N	NORTH	SI	STORM INLET	W/O	WITHOUT
CMP	CORRUGATED METAL PIPE	GR	GUARDRAIL	NIC	NOT IN CONTRACT	SL	STREET LIGHT		
CO	CLEANOUT	GV	GAS VALVE	NOM	NOMINAL	SPEC	SPECIFICATIONS/	YD	YARD DRAIN
COL	COLUMN			NTS	NOT TO SCALE		SPECIFIED		
CONC	CONCRETE	HOR	HORIZONTAL	NUM	NUMBER	sQ	SQUARE	Q.	CENTER LINE
CONT	CONTAINER	HP	HIGH POINT			ss	STAINLESS STEEL	±	PLUS OR MINUS
CONTR	CONTRACTOR	HT	HEIGHT	ОС	ON CENTER	STA	STATION	Δ	CHANGE IN VALUE
CY	CUBIC YARDS	HW	HEAD WALL	OCEW	ON CENTER EACH WAY	STL	STEEL	<	LESS THAN
		HWY	HIGHWAY	OD	OUTSIDE DIAMETER	SY	SQUARE YARD	>	GREATER THAN
DET	DETAIL	HYD	HYDRANT	OP	OUTLET PROTECTION				
DIM	DIMENSION					T	TANGENT		
DIA	DIAMETER	l ID	INSIDE DIAMETER	PA	PLANTING AREA	ТВ	TEST BORING		

ENLARGEMENT/ALTERNATE AREAS

PLANT IDENTIFICATION KEY

QUANTITY



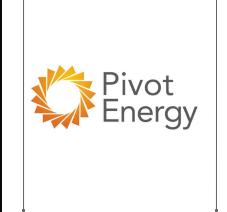
ALTERNATE AREA

		SITE DATA		
		ZONING		
JURISDICTION	ZONING	OVERLAY DISTRICT	CURRENT LAND USE	PARCEL SIZE (AC
TOWN OF TICONDEROGA	RURAL RESIDENTIAL	AGRICULTURAL	RESIDENTIAL / AGRICULTURAL	34.7
PROPOSED USE	DISTURBED AREA (AC)	SOLAR AREA (AC)		
SOLAR ENERGY SYSTEM	15.1	12.8		
MAXIMUM LOT COVERAGE	EXISTING LOT COVERAGE	PROPOSED LOT COVERAGE		
50.0% INCLUDING SOLAR PANELS	0.2%	37.5%		
PARCEL LINE S	SETBACKS			
FRONT	100'-0"			
SIDE YARD	100'-0"			
REAR YARD	100'-0"			



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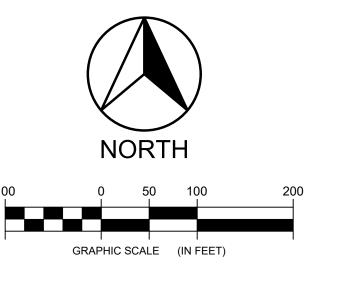
DRAWING NUMBER: G-001



EXISTING LEGEND						
SYMBOL	ITEM					
————— 1650 ————	EXISTING MAJOR CONTOUR LINE					
	EXISTING MINOR CONTOUR LINE					
	PROPERTY LINE					
	PROPERTY SETBACK					
	DELINEATED STREAM CENTERLINE					
	DELINEATED WETLAND					



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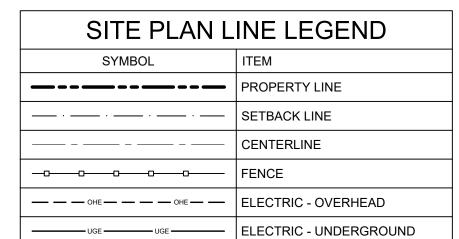


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©2021 Environmental Design & Research, Landscape Architecture, Engineering, & Fruinnmental Services D.P.C.	Section 7209, and Chapter II, Section	79-1.4, and applies to this drawing: "It is a violation of this law for any person unless he is acting under the direction of almost and professional anninear lineaced lands can be increased lands can be a fine to the canonical anninear lineaced lands can be acting the canonical anninear linear	architect or licensed and surveyor to alter an item in any way. If an item bearing the seal of an engineer, landscape	architect or land surveyor is altered, the altering engineer, landscape architect or land surveyor shall affix to the item bis and and the notation "altered by" followed by his	ins sea and the floration attending by instruction and the date of such attention and a specific description of the attention".	
©2021 Environm Landscape Archit & Frovironmental	The following is plant, Article 145,	79-1.4, and a law for any page and a licensed page	architect or way. If an it	architect or landscape	signature ar	
©2021 Environm BY Landscape Archit	ZTR The following is Law, Article 145,	ZTR law for any p	architect or way. If an it	architect or landscape	signature an description	
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COT LITLE: PIVOT SOLAR NY 5
COT LOCATION: TOWN OF TICONDEROGA, ESSEX COUNTY, NEW TOWN THE STATE OF THE STATE

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DATE: OCTOBER 13, 2021	
SCALE: 1" = 100'	
EDR Job#: 20201	
DRAWN BY: ZR	
FILE NAME: C-000 SERIES.dwg	





MATERIALS SYMBOL LEGEND							
SYMBOL	ITEM	DETAIL#	SHEET				
	ACCESS ROAD	6	C-601				
Ø	UTILITY POLE	-	-				

NEW YORK STATE OF OPPORTUNITY. Park Agency

RECEIVED

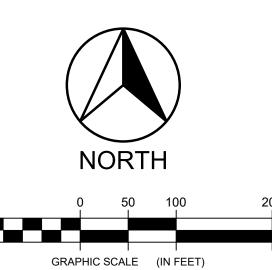
Date:December 16, 2021

NEW YORK STATE OF OPPORTUNITY. Adirondack Park Agency

FINAL P2021-0247

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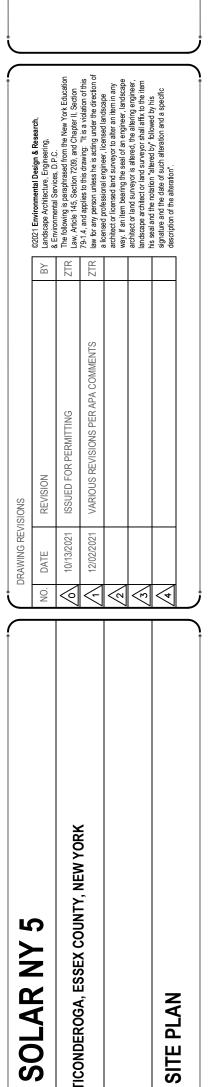


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DATE: OCTOBER 13, 2021

SCALE: 1" = 100'

EDR Job#: 20201

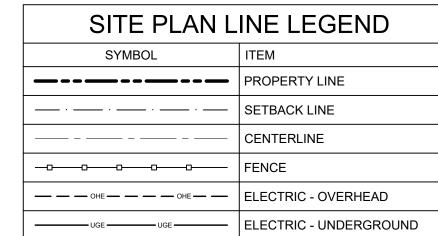
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FILE NAME:

C-100 SERIES.dwg

DRAWING NUMBER:





MATERIAL	S SYMBOL LEG	END	
SYMBOL	ITEM	DETAIL#	SHEET#
	ACCESS ROAD	6	C-601
Ø	UTILITY POLE	-	-



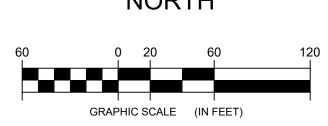
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DATE: OCTOBER 13, 2021 SCALE: 1" = 60' EDR Job#: 20201 DRAWN BY: ZR C-100 SERIES.dwg

PIVOT SOLAR NY 5

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DRAWING NUMBER: C-102



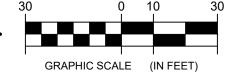
SITE PLAN L	INE LEGEND
SYMBOL	ITEM
	PROPERTY LINE
··	SETBACK LINE
	CENTERLINE
	FENCE
——————————————————————————————————————	ELECTRIC - OVERHEAD
UGE UGE	ELECTRIC - UNDERGROUND
-	

MATERIAL	S SYMBOL LEG	END	
SYMBOL	ITEM	DETAIL#	SHEET
	ACCESS ROAD	6	C-601
Ø	UTILITY POLE	-	-

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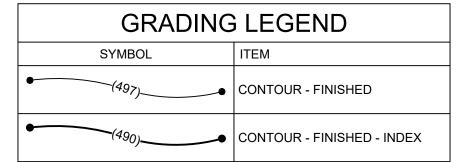
DRAWING REVISIONS NO. DATE REVISION BY		©2021 Environmental Design & Research, Landscape Architecture, Engineering, & Environmental Services D.P.C.		79-1.4, and applies to this drawing: "It is a violation of this law for any person unless he is acting under the direction of a longer drawferange."	architect or licensed land surveyor to after an item in any way. If an item bearing the seal of an engineer, landscape	architect or land surveyor is altered, the altering engineer, landscape architect or land surveyor shall affix to the item his and the notation "shoot by," fallowed by his	ins sea and the forest of a second by moved by his signature and the date of such alteration and a specific description of the alteration".	
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5 **SOLAR NY PIVOT**

DATE: OCTOBER 13, 2021
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C-100 SERIES.dwg DRAWING NUMBER: C-103





EROSION CONTROL LINE LEGEND

SYMBOL	ITEM
SFSFSF	SILT FENCE
CFSCFS	COMPOST FILTER SOCK
VP VP VP	VEGETATION PROTECTION

ER	OS	LEGEND		
SYMBO	OL	ITEM	DETAIL#	SHEET#
	STABILIZED CONSTRUCTION ENTRANCE		1	C-601
		PREFABRICATED CHECK DAM	2	C-602
4	DP-1 OUTLET PROTECTION - DUMPED (DP)		5	C-602
		SLOPE STABILIZATION	3	C-602
\downarrow		VEGETATED FILTER STRIP	6	C-601

UTILITY LINE LEGEND

SYMBOL	ITEM
DD	STORM DRAINAGE W/ END SECTION
— — OHE— — — OHE— —	ELECTRIC - OVERHEAD
UGE UGE	ELECTRIC - UNDERGROUND

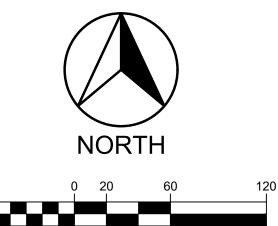
SOLAR	ARRAY		
MAXIMUM	1 SLOPES		
SLOPE ASPECT	MAX. SLOPE		
NORTH	5.0%		
SOUTH	10.0%		
EAST	10.0%		
WEST	10.0%		

NOTES:

 ALL DISTURBED AREAS WITH SLOPES 1V:3H AND STEEPER SHALL BE STABILIZED WITH ROLLED EROSION CONTROL PRODUCT (RECP). SEE DETAIL 3 ON SHEET C-602.

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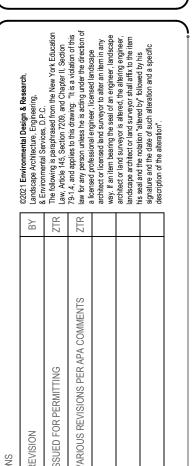
GRAPHIC SCALE (IN FEET)



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PIVOT SOLAR NY 5

ION: TOWN OF TICONDEROGA, ESSEX COUNTY, NEW YORK

ENERGY

•
DATE: OCTOBER 13, 2021
SCALE: 1" = 60'
EDR Job#: 20201
DRAWN BY: EG, ZR
FILE NAME: C-200 SERIES.dwg



PLANT LIST - TREES						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
AA	10	AMELANCHIER ARBOREA (MULTI-STEM)	SERVICE BERRY	5-6' HT	BALL & BURLAP	MULTI-STEM HABIT
AR	15	ACER RUBRUM	RED MAPLE	2"-2.5" CAL.	BALL & BURLAP	
AS	6	ACER SACCHARUM	SUGAR MAPLE	2"-2.5" CAL.	BALL & BURLAP	
PS	19	PINUS STROBUS	EASTERN WHITE PINE	8' HT	BALL & BURLAP	

		PLAN	IT LIST - SHR	UBS		
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
CS	47	CORNUS SERICEA	RED OSIER DOGWOOD	#3	CONT.	

PLANTING L	INE LEGEND		
SYMBOL	ITEM		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	EDGE OF TREES / BRUSH		

PLANTING S	SYMBOL LEGEND
SYMBOL	ITEM
+ + +	DECIDUOUS TREE
<b>‡</b> +	DECIDUOUS TREE - MULTI-STEM
3 + E	EVERGREEN TREE
<b>(+)</b>	DECIDUOUS SHRUB
	DISTURBED AREAS SHALL BE SEEDED WITH MIX BENEFICIAL TO POLLINATORS AND GRAZING, ERNST FUZZ & BUZZ MIX-STANDARD OR EQUIVALENT. SEE BELOW FOR ADDITIONAL SEED MIX INFORMATION.

### ERNST FUZZ & BUZZ - STANDARD SEED MIX:

26.4% LOLIUM PERENNE, 'CRAVE', TETRAPLOID (PERENNIAL RYEGRASS, 'CRAVE', TETRAPLOID) 20.8% DACTYLIS GLOMERATA, 'PENNLATE' (ORCHARDGRASS, 'PENNLATE')

18.9% POA PRATENSIS, 'GINGER' (KENTUCKY BLUEGRASS, 'GINGER' (PASTURE TYPE))

17.0% FESTUCA ELATIOR (MEADOW FESCUE)

5.7% TRIFOLIUM HYBRIDUM (ALSIKE CLOVER)
4.8% TRIFOLIUM PRATENSE, MEDIUM, VARIETY NOT STATED (RED CLOVER, MEDIUM)

2.0% LOTUS CORNICULATUS, 'LEO' (BIRD'S FOOT TREFOIL, 'LEO')

1.3% CICHORIUM INTYBUS (BLUE CHICORY)

1.0% CHRYSANTHEMUM LEUCANTHEMUM (OXEYE DAISY)

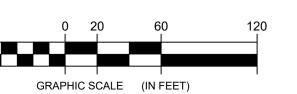
0.9% COREOPSIS LANCEOLATA (LANCELEAF COREOPSIS)

0.8% CHAMAECRISTA FASCICULATA, PA ECOTYPE (PARTRIDGE PEA, PA ECOTYPE)
0.4% SOLIDAGO NEMORALIS, PA ECOTYPE (GRAY GOLDENROD, PA ECOTYPE)

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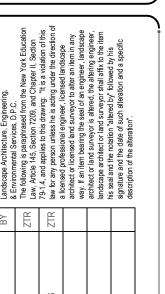


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\\$	12/02/2021 VARIOUS REVISIONS PER APA COMMENTS	10/13/2021 ISSUED FOR PERMITTING	REVISION ISSUED FOR PERMITTING VARIOUS REVISIONS PER APA COMMENTS	DATE REVISIONS  10/13/2021 ISSUE  12/02/2021 VARICE  12/02/2021 VARICE	N
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NO.         DATE         REVISION           ↑         10/13/2021         ISSUED FOR PERMITTING           ↑         12/02/2021         VARIOUS REVISIONS PER APA COMMENTS	NO. DATE REVISION  10/13/2021 ISSUED FOR PERMITTING		/ISIONS	DRAWING RE	

SOLAR NY 5
TICONDEROGA, ESSEX COUNTY, NEW YORK

DATE: OCTOBER 13, 2021

SCALE: 1" = 60'

EDR Job#: 20201

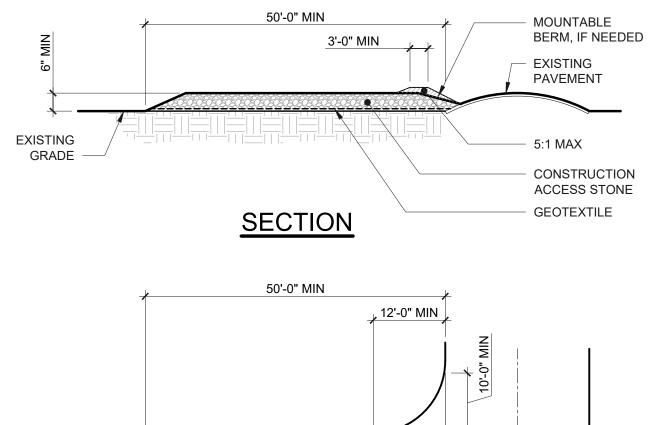
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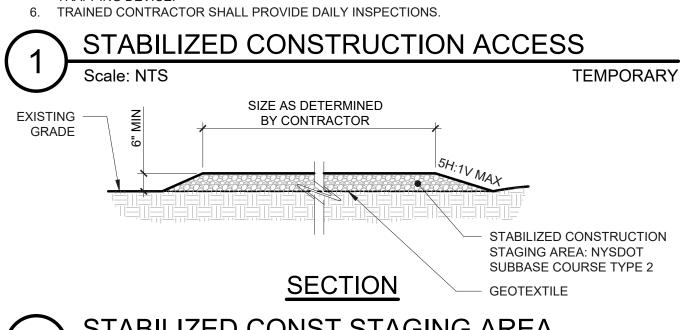
C-401



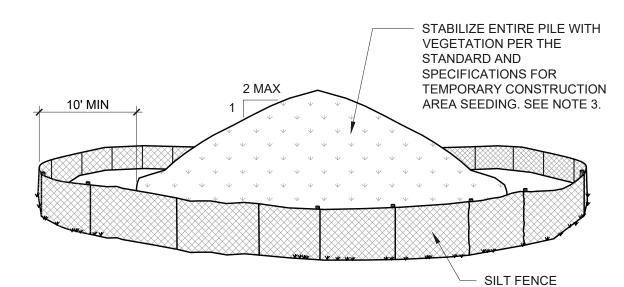
# EXISTING PAVEMENT **EXISTING** GRADE CONSTRUCTION ACCESS STONE **PLAN**

### NOTES:

- 1. CONSTRUCTION ACCESS STONE SIZE USE A 50% TO 50% MIX OF NYSDOT #4 AND #5 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- GEOTEXTILE: 2.A. MIRAFI 500X OR APPROVED EQUAL.
- 2.B. SHALL BE PLACED UNDER THE ENTIRE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACING OF STONE.
- 3. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED ACROSS THE STABILIZED CONSTRUCTION ACCESS. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE USED.
- MAINTENANCE THE CONSTRUCTION ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ACCESS ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO A NYSDEC APPROVED SEDIMENT TRAPPING DEVICE.



### STABILIZED CONST STAGING AREA **TEMPORARY**

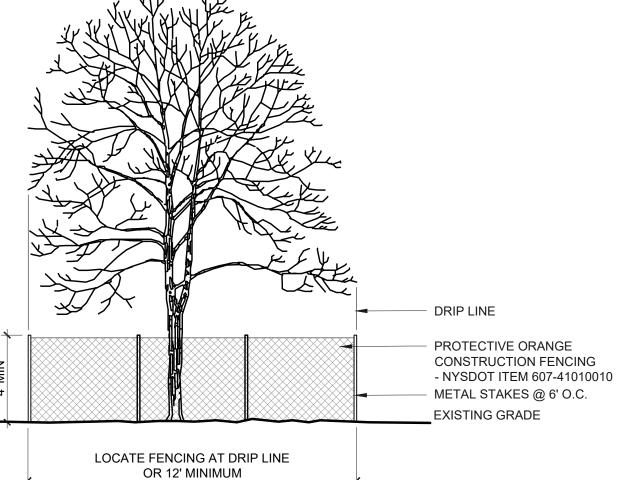


### NOTES:

- 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY, STABILIZED AND LOCATED
- AWAY FROM KNOWN WORK AREAS TO PREVENT RELOCATION. 2. MAXIMUM STOCKPILE HEIGHT SHALL BE 12 FEET.
- 3. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, INSTALLED PER SILT FENCE DETAIL, THEN STABILIZED IN ACCORDANCE WITH THE NYSDEC STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA SEEDING WITHIN 7 DAYS OF COMPLETION.
- 4. A PERIMETER DIKE/SWALE SHALL BE LOCATED UP-SLOPE OF THE TOPSOIL STOCKPILE TO DIVERT STORMWATER AROUND THE STOCKPILE.

STABILIZED SOIL STOCKPILE

**TEMPORARY** 

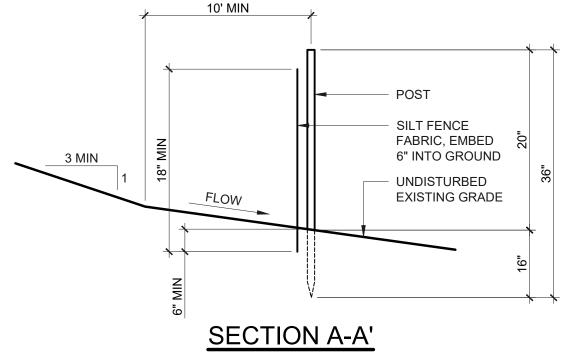


**VEGETATION PROTECTION** 

10' MAX GRADE

PERSPECTIVE VIEW **FENCE** FABRIC

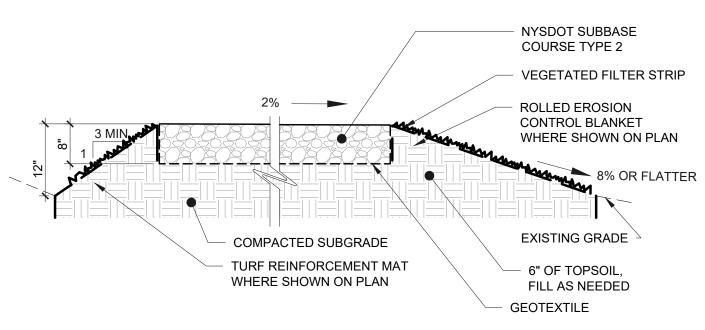
**TEMPORARY** 



### NOTES:

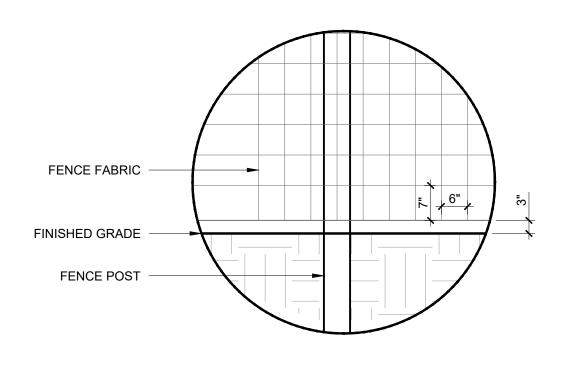
- 1. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKA T140N, OR APPROVED EQUAL.
- PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN. MAINTENANCE SHALL BE PERFORMED IMMEDIATELY AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



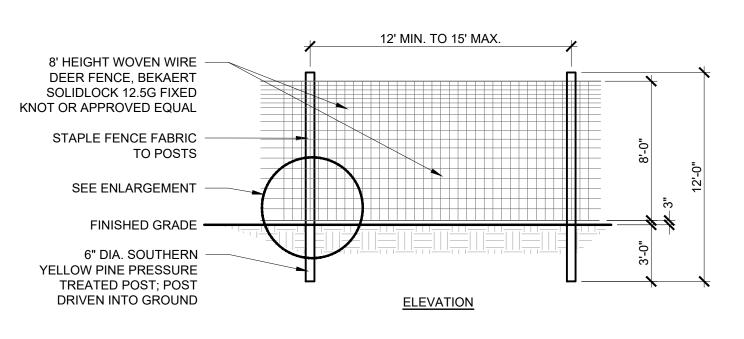


NOTE: TREATMENT OF THE SURFACE ADJACENT TO THE GRAVEL ROAD WILL VARY BASED ON ADJACENT GRADING. LOCATIONS OF THE OF TURF REINFORCEMENT MAT (TRM) AND EROSION CONTROL BLANKET (ECB) WILL BE IDENTIFIED ON THE GRADING PLAN.

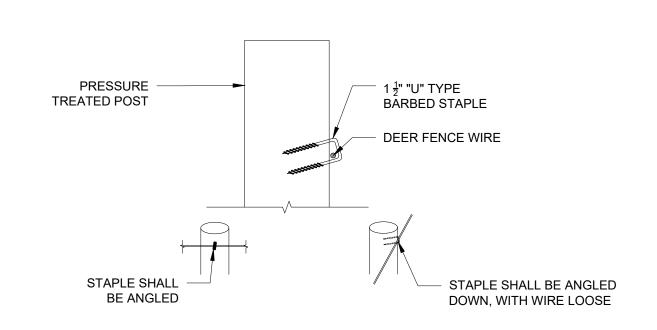




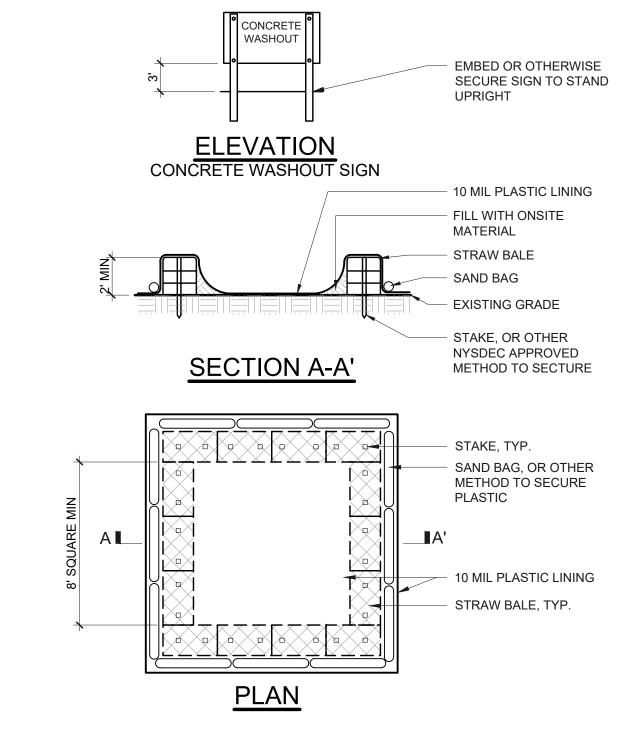
## **ENLARGEMENT**







# TYPICAL STAPLING



1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING, CONSTRUCTION, AND INTEGRITY OF THE WASHOUT. THE CAPACITY OF THE WASHOUT SHALL BE 60 GALLONS PER TRUCK TO BE CLEANED WITHIN THE EXPECTED MAINTENANCE FREQUENCY. ADDITIONAL CAPACITY SHALL BE PROVIDED TO ACCOMMODATE RAINFALL

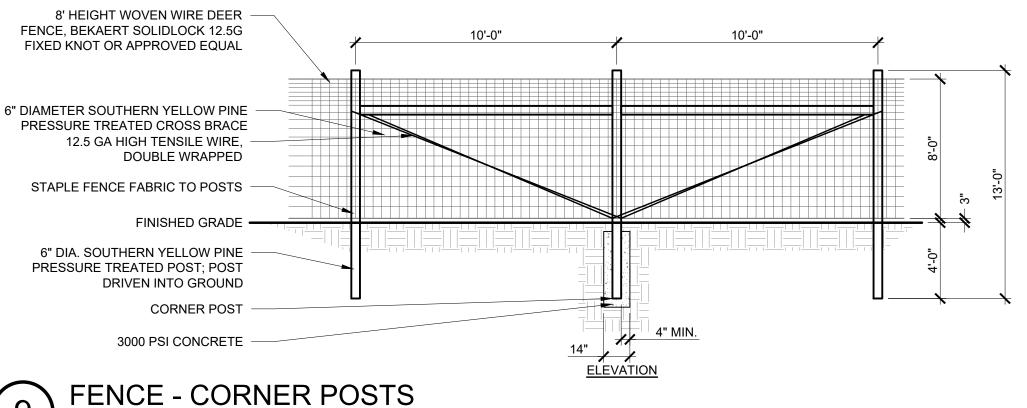
2. OTHER METHODS OF CONCRETE WASHOUT CONTAINMENT MAY BE UTILIZED IF APPROVED BY THE OWNER'S REPRESENTATIVE.

LOCATE WASHOUT AREA AT LEAST 100' FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. THE PLASTIC LINING SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AND SHALL BE REPLACED AT EVERY CLEANING.

DO NOT ALLOW RUNOFF TO ENTER THIS AREA. 6. THE CONCRETE WASHOUT SIGN SHALL BE PLACED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOTES:

**CONCRETE WASHOUT AREA TEMPORARY** 

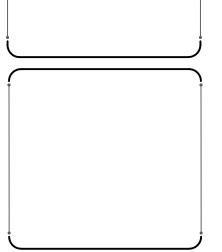


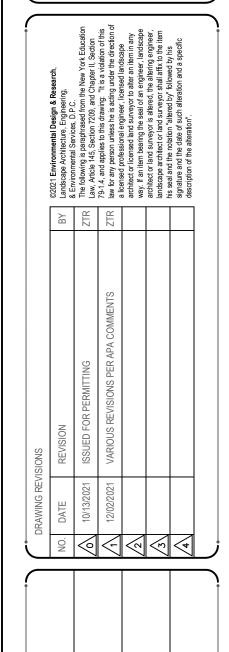
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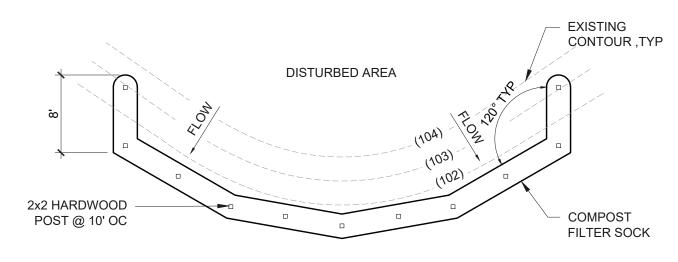




5 ¥ SOLAR **PIVOT** 

DATE: **OCTOBER 13, 2021** SCALE: N.T.S. EDR Job#: 20201 DRAWN BY: ZR C-600 SERIES.dwg

DRAWING NUMBER:



UNDISTURBED AREA

CONCENTRATION

- 1. COMPOST FILTER SOCKS SHALL BE PLACED ON THE CONTOUR WITH BOTH TERMINAL ENDS OF THE SOCK EXTENDED 8 FEET UPSLOPE AT A 45° ANGLE TO PREVENT BYPASS FLOW. 2. DIAMETERS DESIGNED FOR USE SHALL BE 12"-32".
- 3. THE FLAT DIMENSION OF THE SOCK SHALL BE AT LEAST 1.5 TIMES THE NOMINAL DIAMETER. 4. THE MAXIMUM SLOPE LENGTH (IN FEET) ABOVE A COMPOST FILTER SOCK SHALL NOT EXCEED THE FOLLOWING LIMITS:

TABLE 1 - MAXIMUM SLOPE LENGTH ABOVE COMPOST FILTER SOCK (FEET)

TABLE T WINDOW OLD E LENGTH ABOVE COM COTT TETER COOK (TELT)							
DIA (IN)		SLOPE %					
DIA (IIV)	2	5	10	20	25	33	50
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

TABLE 2 -	COMPOST FILTER MEDIA STANDARDS
ORGANIC MATTER CONTENT	25% - 100% DRY WEIGHT
ORGANIC PORTION	FIBROUS AND ELONGATED
рН	6.0 - 8.0
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	100% PASSING A 1" SCREEN AND 10-50% PASSING A 3/8" SCREEN
SOLUBLE SALT	5.0 dS/m (mmhos/cm) MAXIMLIM

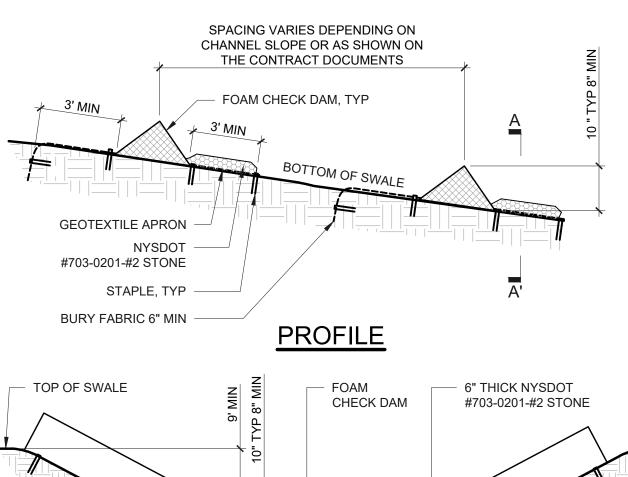
5.0 dS/m (mmhos/cm) MAXIMUM

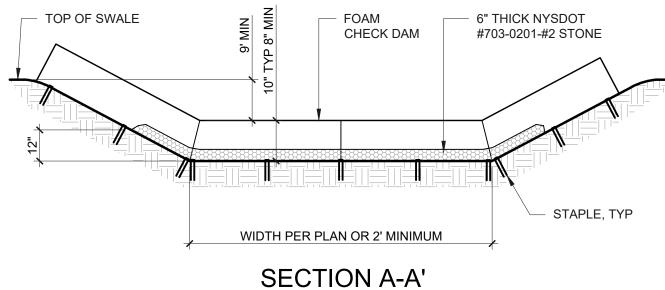
TABLE 3 - COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS					
MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MILTI-FILAMENT POLYPROPYLENE	HEAVY DUTY MILTI-FILAMENT POLYPROPYLENE
MATERIAL CHARACTERISTICS	PHOTODEGR AD-ABLE	PHOTODEGR AD-ABLE	BIODEGR AD-ABLE	PHOTODEGRAD- ABLE	PHOTODEGRAD- ABLE
SOCK DIAMETERS	12", 18"	12", 18", 24", 32"	12", 18", 24", 32"	12", 18", 24", 32"	12", 18", 24", 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

- 5. THE COMPOST INFILL SHALL BE WELL DECOMPOSED (MATURED AT LEAST 3 MONTHS) WEED-FREE, ORGANIC MATTER. IT SHALL BE AEROBICALLY COMPOSTED, POSSESS NO OBJECTIONABLE ODORS, AND CONTAIN LESS THAN 1%, BY DRY WEIGHT, OF MAN-MADE FOREIGN MATTER. THE PHYSICAL PARAMETERS OF THE COMPOST SHALL MEET THE STANDARDS LISTED IN TABLE 5.2-COMPOST FILTER MEDIA STANDARDS TABLE*. NOTE ALL BIOSOLIDS COMPOST PRODUCED IN NEW YORK STATE (OR APPROVED FOR IMPORTATION) MUST MEET NYS DEC'S 6 NYCRR PART 360 (SOLIDS WASTE MANAGEMENT FACILITIES) REQUIREMENTS. THE PART 360 REQUIREMENTS ARE EQUAL TO OR MORE STRINGENT THAN 40 CFR PART 503 WHICH ENSURE SAFE STANDARDS FOR PATHOGEN REDUCTION AND HEAVY METALS CONTENT. WHEN USING COMPOST FILTER SOCKS ADJACENT TO SURFACE WATER, THE COMPOST SHOULD HAVE A LOW NUTRIENT VALUE.
- 6. THE COMPOST FILTER SOCK FABRIC MATERIAL SHALL MEET THE MINIMUM SPECIFICATIONS
- GIVEN IN TABLE 5.3-COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS TABLE*. 7. COMPOST FILTER SOCKS SHALL BE ANCHORED IN EARTH WITH 2x2 WOODEN STAKES DRIVEN 12" INTO THE SOIL ON 10 FOOT CENTER ON THE CENTERLINE OF THE SOCK. ON UNEVEN TERRAIN, EFFECTIVE GROUND CONTACT CAN BE ENHANCED BY THE PLACEMENT OF A FILLET OR FILTER
- MEDIA ON THE DISTURBED AREA SIDE OF THE COMPOST SOCK. 8. ALL SPECIFIC CONSTRUCTION DETAILS AND MATERIAL SPECIFICATIONS SHALL APPEAR ON THE EROSION AND SEDIMENT CONTROL CONSTRUCTIONS DRAWINGS WHEN COMPOST FILTER SOCKS ARE INCLUDED IN THE PLAN.

*TABLE FROM THE 2016 NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.



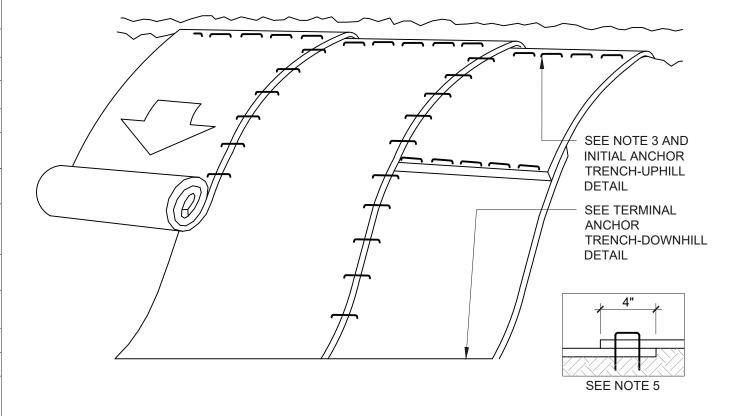




### NOTES:

- 1. PREFABRICATED TEMPORARY CHECK DAMS SHALL BE EITHER URETHANE FOAM (CFC FREE) COVERED WITH GEOTEXITLE, TRIANGULAR SILT DIKE BY ACF, GEORDIGE BY NILEX OR EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 2. STAPLES SHALL BE PLACED WHERE UNITS OVERLAP AND A DIRECTED BY MANUFACTURERS





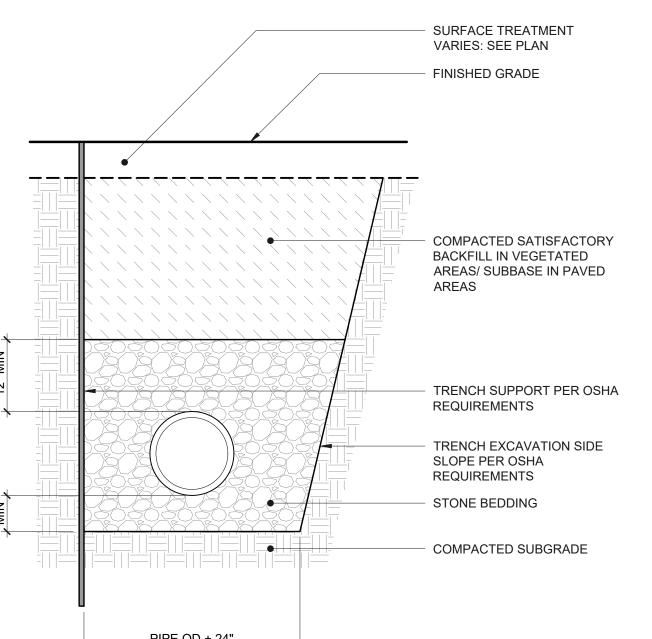
### PERSPECTIVE VIEW

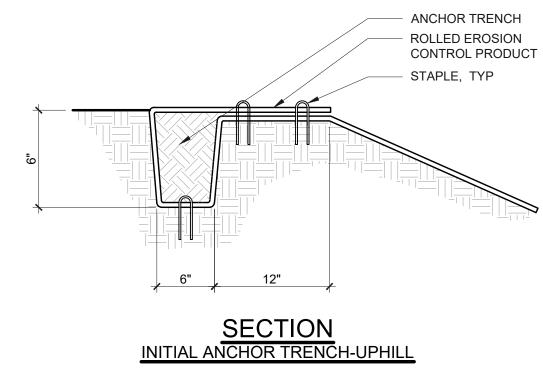
**TEMPORARY** 

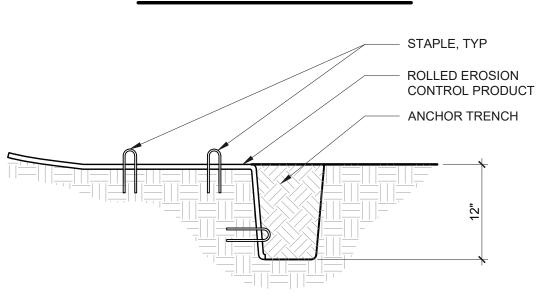
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE NORTH AMERICAN GREEN BIONET S150BN, OR APPROVED EQUAL.
- 2. TURF REINFORCEMENT MAT (TRM) SHALL BE TENSAR NORTH AMERICAN GREEN P-300, OR APPROVED EQUAL
- 3. PREPARE SOIL BEFORE INSTALLING RECP/TRM INCLUDING ANY NECESSARY APPLICATION OF LIME,
- 4. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP/TRM IN A TRENCH, AS SHOWN ON THE INITIAL ANCHOR TRENCH-UPHILL DETAIL. ANCHOR THE RECP/TRM WITH A ROW OF STAPLES APPROXIMATELY 12" APART IN THE BOTTOM OF TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP/TRM BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECP/TRM OVER COMPACTED SOIL WITH A ROW OF STAPLES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE ROLLED EROSION CONTROL PRODUCTS.
- 5. ROLL THE RECP/TRM DOWN THE SLOPE. TRM WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP/TRM MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE PROVIDED BY MANUFACTURER.
- 6. THE EDGES OF PARALLEL RECP/TRM MUST BE STAPLED WITH 4" MINIMUM OVERLAP. OVERLAP PER MANUFACTURER'S INSTRUCTIONS.
- CONSECUTIVE RECP/TRM SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH A 4" MINIMUM OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART ACROSS ENTIRE RECP/TRM WIDTH. NOTE: IN LOOSE SOIL CONDITIONS THE USE OF
- STAPLE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP/TRM. 8. REFER TO TERMINAL ANCHOR TRENCH-DOWNHILL DETAIL FOR TERMINAL ANCHOR TRENCH

### SLOPE STABILIZATION

COMPACTED SATISFACTORY BACKFILL IN VEGETATED AREAS/ SUBBASE IN PAVED TRENCH SUPPORT PER OSHA REQUIREMENTS TRENCH EXCAVATION SIDE SLOPE PER OSHA REQUIREMENTS STONE BEDDING COMPACTED SUBGRADE PIPE OD + 24"





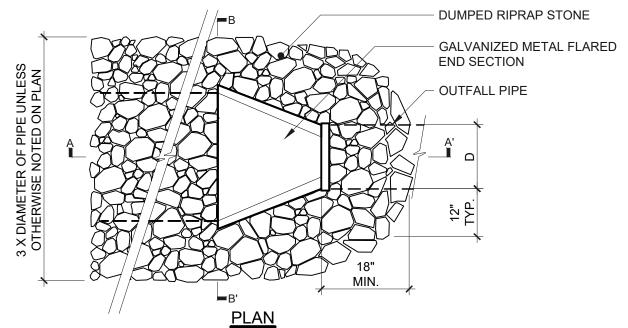


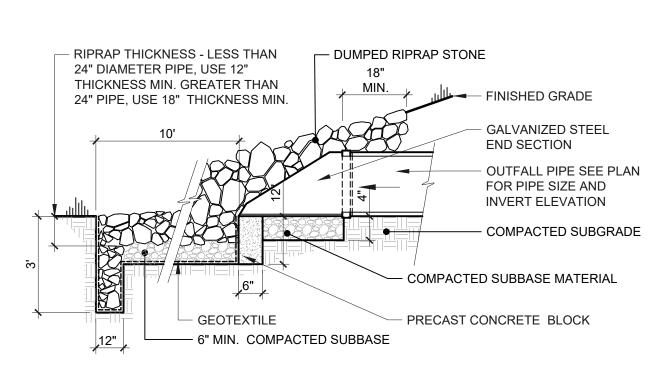
**SECTION** 

TERMINAL ANCHOR TRENCH-DOWNHILL

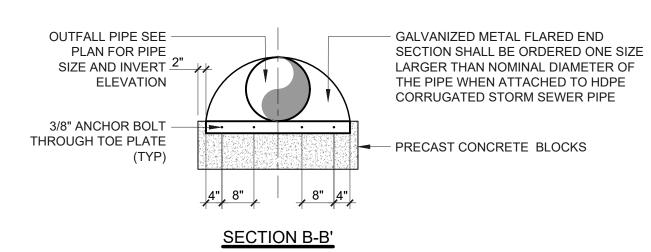
**ANCHOR TRENCH** 

WITH STONE BEDDING DUMPED RIPRAP STONE





**SECTION A-A'** 



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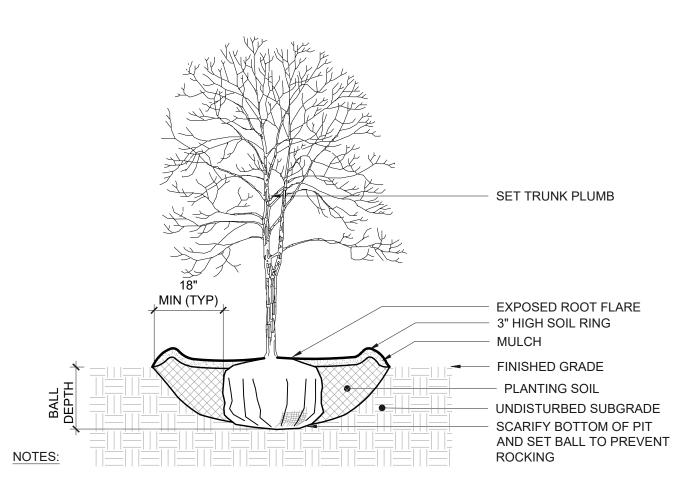
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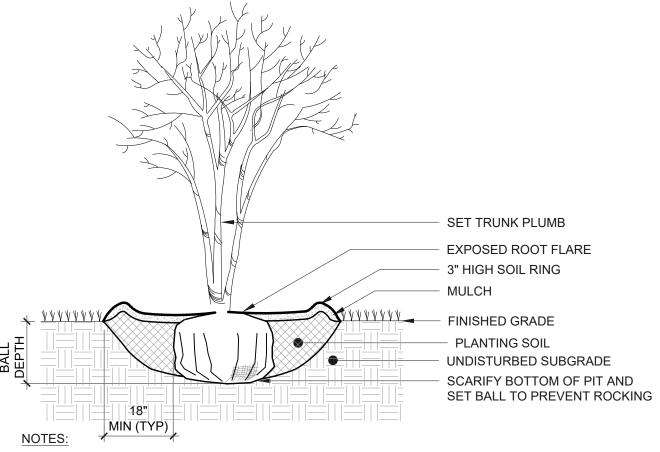
C-602

STORM END SECTION - DUMPED **TEMPORARY** 



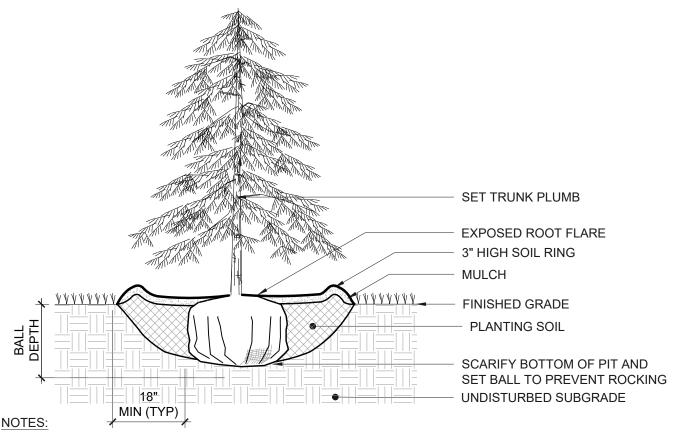
REMOVE BURLAP, ROPE, OR WIRE BASKET FROM TOP 1/3 OF BALL MINIMUM, CUT REMAINING PORTIONS OF ROPE OR WIRE BASKET ONCE PLANT IS IN THE FINAL POSITION IN PIT. 2. TOP OF ROOT BALL SHALL BE SET FLUSH WITH SURROUNDING FINISHED GRADE.

PLANTING - DECIDUOUS TREE



REMOVE BURLAP, ROPE, OR WIRE BASKET FROM TOP 1/3 OF BALL MINIMUM, CUT REMAINING PORTIONS OF ROPE OR WIRE BASKET ONCE PLANT IS IN THE FINAL POSITION IN PIT. 2. TOP OF ROOT BALL SHALL BE SET FLUSH WITH SURROUNDING FINISHED GRADE.

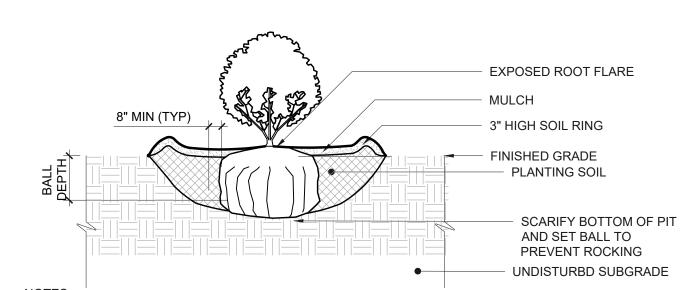
PLANTING - MULTI-STEM TREE



1. REMOVE BURLAP, ROPE, OR WIRE BASKET FROM TOP 1/3 OF BALL MINIMUM, CUT REMAINING PORTIONS OF ROPE OR WIRE BASKET ONCE PLANT IS IN THE FINAL POSITION IN PIT.

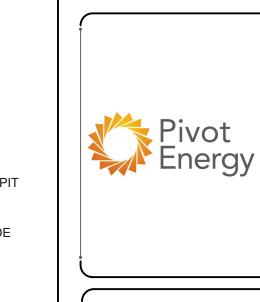
2. TOP OF ROOT BALL SHALL BE SET FLUSH WITH SURROUNDING FINISHED GRADE.





TOP OF ROOT BALL SHALL BE SET FLUSH WITH SURROUNDING FINISHED GRADE.
 SET PLANTS PLUMB





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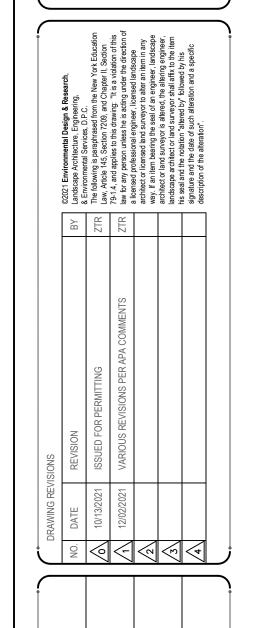
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C-600 SERIES.dwg DRAWING NUMBER: C-603

SCALE: N.T.S.

DATE: **OCTOBER 13, 2021** 

**PIVOT SOLAR NY 5**