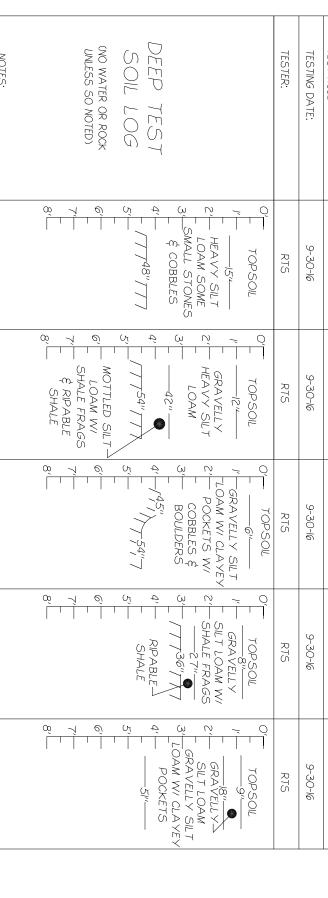


#### Deep Soils Testing Results

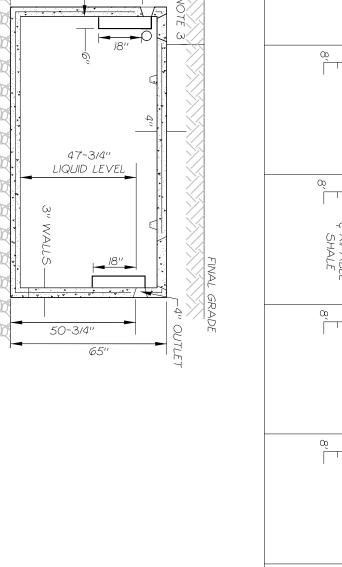


#### Percolation Testing Results

(	RCOL (ALL TE TOPW)	DEP TH	TESTIN	TEST HOLE #						
RUN 7	RUN 6 ELAPSED TIME:	RUN 5 ELAPSED TIME:	RUN 4 ELAPSED TIME:	RUN 3 ELAPSED TIME:	RUN 2 ELAPSED TIME:	RUN I ELAPSED TIME:	DEPTH / TESTER:	TESTING DATE:	TE #	
				9:59	9:22	8:05	24" - RTS	2-26-18	1	
				9:40	9:04	8:03	24" - RTS	2-26-18	2	
				3:34	3:16	2:38	24" - RTS	2-26-18	W	
					6	FLOW (GF	DFS			

Scwage
Disposal
System
Requiremen

600	DESIGN FLOW RATE (GPD)	
1,250	SEPTIC TANK SIZE (GALLONS)	
DB-9	DISTRIBUTION BOX MODEL NUMBER	C
S.E.I.D.	TYPE OF	-
8-10	DESIGN STABILIZED 1 PERCOLATION RATE (MIN.)	•
112	MIN. LENGTH OF ABSORPTION TRENCH (L.F.)	_
120	PROPOSED LENGTH OF ABSORPTION TRENCH (L.F.)	
3 ROWS @ 40 L.F.	SEWAGE DISPOSAL SYSTEM DESIGN	
<u>ő</u>	MAX. PL FLOW (G)	



POLYLOC TYP.) T	8" DIA COVERS	CROSS SECTION VIEW	3" MIN. SAND OR PEA GRAVEL	47-3/4" LIQUID LEVEL Q WALLO 50-3/4"	4" INLET 7 4"	SEE NOTE 3
1				50-3/4" 65"	-	-4" OUTLET

	<b>,</b>
10' 0"	1
PLAN VIEW	
<u>NOTES</u> : I. ALL PIPE JOINTS (INLET & OUTLET PIPES) SHALL ASPHALTIC MATERIAL OR EQUIVALENT.	BE SEALED WITH
2. INLET BAFFLE CAN BE RELOCATED TO THE SIDE.	
3. IF COVER EXCEEDS 12", A RISER MUST BE USED TO ALLOW ACCESS.	O ALLOW ACCESS.
CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. AT 28 DAYS	T 28 DAYS

Typical Precast 1,250 Concrete Septic Tank Gallon

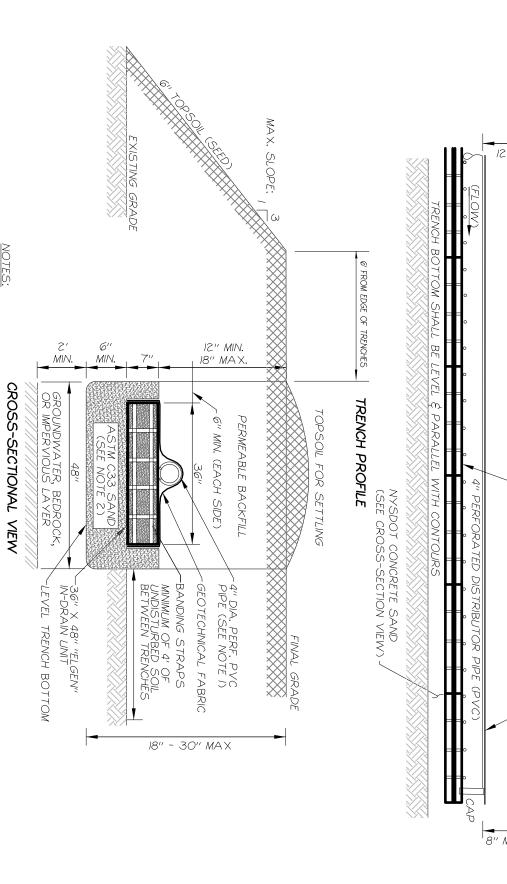
2) ALL PIPE JOINTS (INLET & OUTLET) SH ASPHALTIC MATERIAL OR EQUIVALENT. Typical OW EQUALIZERS MUST BE USED. cal Precast of Distribution Concrete ALL BE SEALED WITH

Box

SHALL BE USED TO I YEARLY CHECKING !

ENSURE EQUAL FLOW AND ADJUSTMENT IS

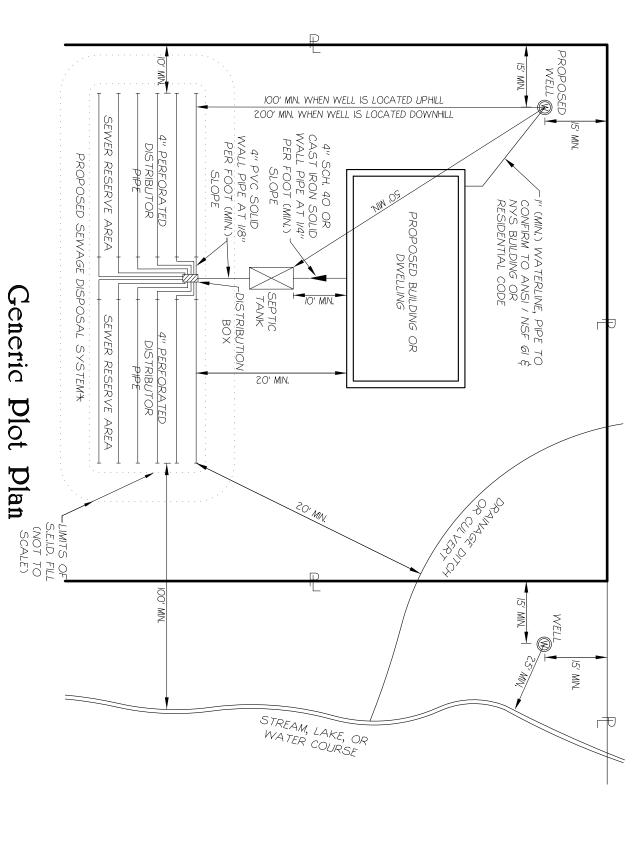
PLAN VIEW



PERCENT PASSING BY WEIGHT
MINIMUM MAXIMUM

5.) LATERALS SHALL BE SLOPED IIIG" - 1/32" PER FOOT FOR GRAVITY SHALL BE INSTALLED LEVEL FOR PUMPED OR DOSED SYSTEMS. ALLED 8 FEET ON CENTER, MI

Shallow "Eljen" In-Drain Absorption Trench Detail



FEATURES	SEPTIC TANK	SEWER LINE	ABSORPTION FIELDS	SEEPAGE PITS
DRILLED WELL (PUBLIC WATER SUPPLY)	/00/	50′	200′	200′
DRILLED WELL (PRIVATE WATER SUPPLY)	50'	50′	100' (A) (B)	150'
WATERLINE (PRESSURE)	ĬŌ′	10′ (C)	ĬQ,	10'
WATERLINE (SUCTION)	50'	50′	100′	150'
DUG WELL / SPRING	75'	50′	<i>150'</i> (B)	150'
SURFACE WATER	50'	25'	100′	100'
RESERVOIR (PRIVATE WATER SUPPLY)	50′ (D)	50 (A)	/00′ (D)	100' (D)
RESERVOIR (PUBLIC WATER SUPPLY)	50′ (D)	50 (A)	/00′ (D)	100' (D)
OPEN DRAINAGE DIVERSION	25'	25'	50' (D)	50′ (D)
STORMWATER MANAGEMENT - INFILTRATION	25'	25'	50′	50'
STORMWATER MANAGEMENT - SURFACE DISCHARGE	50'	25'	/00/	100'
CULVERT (TIGHT PIPE)	25'	JO,	35'	35'
CULVERT OPENING	25'	25'	50'	50'
CATCH BASIN	25'	-	50'	50'
SWIMMING POOL (IN-GROUND)	20′	10′	35'	50'
FOUNDATION	JO'	1	20′	20′
PROPERTY LINE	lO'	10'	10'	10′
TOP OF EMBANKMENT / STEEP SLOPE	25'	25'	50'	50'
WETLAND (NYSDEC)	/00/	/00/	/00/	100'

(B) WHEN WASTEWATER TREATMENT SYSTEMS ARE LOCATED UP-GRADIENT AND IN THE DIRECT PATH OF SURFACE RUNOFF TO A WELL, THE CLOSEST PART OF THE SYSTEM SHOULD BE AT LEAST 200' AWAY FROM THE WELL. MAY BE IN THE SAME TRENCH OF WATER LINE IS PLACED ON AN HE BOTTOM OF THE WATER MAIN IS AT LEAST 18" HIGHER THAN THE TOP V IS NOT SUBJECT TO SETTLING, VIBRATION, SUPERIMPOSED LOADS, OR

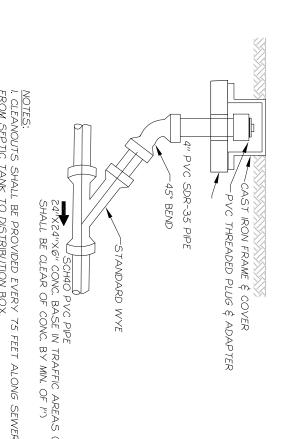
GRADE AT LEACHING FACILITY; OTHERWISE 50'.

Distances From Existing O<sub>r</sub> Proposed Features

S ONLY. FOR SPECIFIC DESIGN SEWAGE DISPOSAL SYSTEM IS SHEET.

Minimum

Separation



# In Line Cleanout ) PVC PIPE C. BASE IN TRAFFIC AREAS (PIPE OF CONC. BY MIN. OF 1")

IGNS, OR SUBSEQUENT OWNERS."	IDUALS, INSTITUTIONS, THEIR SUCCESSORS AND/OR	TIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL	ITUTIONS FOR WHOM THE SURVEY WAS PREPARED.	LL RUN ONLY TO THOSE NAMED INDIVIDUALS AND/OR	FESSIONAL LAND SURVEYORS, SAID CERTIFICATIONS	PTFD BY THE NEW YORK STATE ASSOCIATION OF	YEY WAU TRETARED IN ACCORDANCE WITH THE	TIFICATIONS INDICATED HEREON SIGNIFY THAT THIS	LL BE CONSIDERED VALID, TRUE COPIES."	MARKED WITH THE LAND SURVEYORS EMBOSSED SEAL	Y COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY	NEW YORK STATE EDUCATION LAW."	L IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF	BEARING A LICENSED LAND SURVEYOR'S EMBOSSED	NITHORIZED ALTERATION OR ADDITION TO A SLIRVEY
NO															
NO. DATE															
REVISION															
ВУ															
LAWRENCE MARSHALL PL															

## General Notes:

3) SEWAGE DISPOSAL SYSTEMS LOCATED OF NECESSITY UPGRADE IN THE GENERAL PATH OF DRAINAGE TO A WELL MUST BE SPACED 200' OR MORE AWAY. 2) ALL 4" OUTLET PIPES (SOLID WALL) LEAVE DISTRIBUTION BOX AT SAME ELEVATION ON A MINIMUM SLOPE OF 1/8" PER FOOT UP TO A DISTRIBUTOR LATERAL. 4) NO DRIVEWAY, ROADWAY, PARKING AREA OR ABOVE GROUND SWIMMING POOL IS TO BE CONSTRUCTED OVER ANY PORTION OF THE SEWER SYSTEM. HEAVY EQUIPMENT SHALL BE KEPT OUT OF THE ABSORPTION FIELD AREA. HALTIC MATERIAL OR EQUIVALENT.

5) ALL DISTRIBUTOR LINES (PERFORATED) SHALL BE OF EQUAL LENGTH.

OSAL AREA IN A MANNER THAT WILL NOT DISTURB

6) ALL TREES TO BE CUT & REMOVED FROM SEWAGE DISFLAYER. 8) NO BASEMENT FIXTURES ARE PERMITTED WITHOUT A SPECIAL DESIGN FOR SEWAGE DISPOSAL MUM GROUND SLOPE OF TILE FIELD AREA SHALL NOT EXCEED 15%.

I3) THE SEWER PIPE RUNNING FROM THE HOUSE TO THE SEPTIC TANK MUST BE LAID ON SUITABLY COMPACTED EARTH OR VIRGIN SOIL WITH THE FIRST WATERTIGHT JOINT LOCATED AT LEAST 3' FROM THE HOUSE. THE PIPE SHALL BE SCH 80 PVC OR CAST IRON. 12) SLOPE BETWEEN SEPTIC TANK OR PUMPING CHAMBER AND THE HOUSE SHALL BE POSITIVE AND UNINTER ALLOW SEPTIC GASSES TO DISCHARGE THROUGH THE STACK VENT. 10) NO ROOF, CELLAR OR FOOTING DRAINS ARE TO BE DISCHARGED IN THE SEWAGE DISPOSAL SYSTEM. 9) NO COMPONENT PART OF ANY SEWAGE DISPOSAL SYSTEM SHALL BE LOCATED OR MAINTAINED WITHIN 100' OF RESERVOIR, BROOK, MARSH OR ANY OTHER BODY OF WATER. ALIZERS SHALL BE USED FOR ALL SEWAGE DISPOSAL SYSTEMS.

14) THE DESIGN AND LOCATION OF SANITARY FACILITIES (WELL, SEPTIC TANK, AND LEACH FIELD) SHALL NOT BE CHANGED. ANY RELOCATION OF THE SEPTIC SYSTEMS OR WELLS SHOWN, TO AREAS OTHER THAN AS SHOWN ON THE APPROVED PLANS, MUST BE RESUBMITTED AND APPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH. 16) THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS. 15) ALL WELLS AND SEPTIC SYSTEMS THAT IMPACT SEPARATION DISTANCES FOR THE PROPOSED WELLS AND SEPTIC SYSTEMS ARE SHOWN ON THE PLANS. WELLS AND SEPTIC SYSTEMS WERE LOCATED WITHIN 300' WHEREVER POSSIBLE. IT) HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNINECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN LOAD WAS

2) A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPARTMENT) SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE DWELLING, THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS. A COPY OF THE NYSDEC WELL COMPLETION REPORT MUST ALSO BE PROVIDED. 18) THIS SYSTEM WAS NOT DESIGNED TO ACCOMODATE GARBAGE GRINDERS, WATER CONDITIONERS, OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH. 19) SEPTIC TANKS DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OP SHOULD BE INSPECTED PERI ;ALLY AND PUMPED EVERY 2-3 YEARS.

23) PUMP STATIONS/DOSING CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A PROPERLY TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND ANY PHYSICAL DAMAGE. 22) THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.

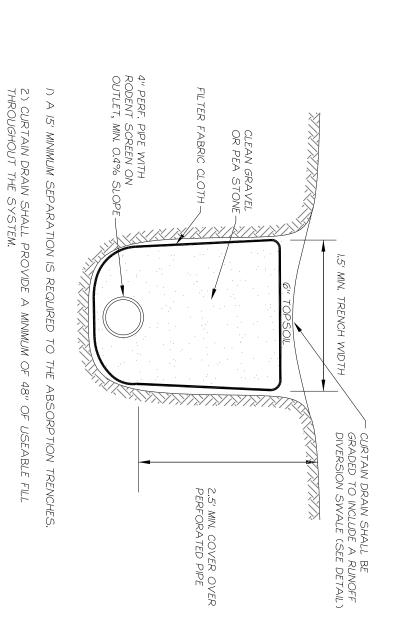
Design Flow Rate & Tank Sizing

RE FOOT \* 0.8 (WATER SAVING FIXTURE CREDIT) =

FOR DAILY FLOW (Q) UNDER 5,000 GPD: TANK SIZE = 1.5 % Q = 600 GPD % 1.5 DESIGN FLOW = USE 1,250 GALLON SEPTIC TANK EXISTING BUILDING: PROPOSED ADDITION: SIZING CRITERIA IN ACCORDANCE WITH THE FOLLOWING 5,048 SF \* 0.08 GPD/SF = 2,450 SF \* 0.08 GPD/SF = 403.8 GPD 196.0 GPD 600 GPD 900 GALLONS

Diversion Swale Detail

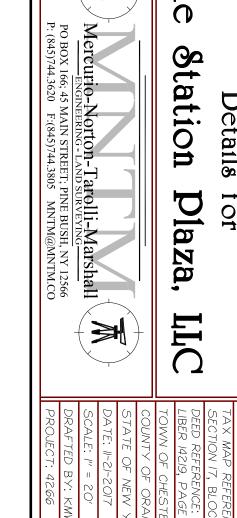
12" MIN.



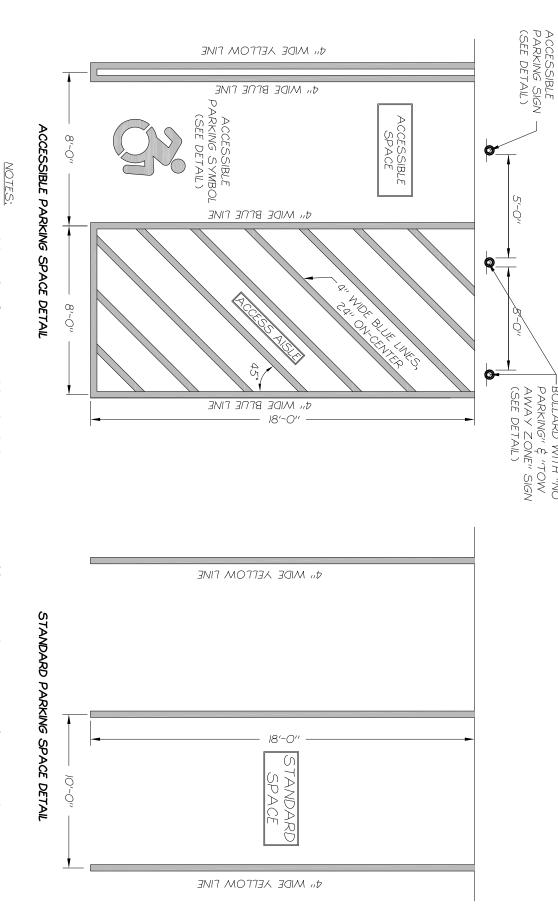
3) THE CURTAIN DRAIN SHALL BE DUG TO THE DEPTH SPECIFIED ON THE PLAN. PRIOR TO BEING BACKFILLED WITH STONE AND TOPSOIL, THE CONTRACTOR SHALL CONTACT A N.Y.S. LICENSED ENGINEER FOR INSPECTION AND APPROVA

Curtain Drain Detail

Lake Sewage Disposal System Station Details D



AET INC	arshall ///			<del>                                      </del>	ر ر (				OF	
DDAFTED BY: KMM	SCALE:  " = 20'	DATE: 11-21-2017	STATE OF NEW YORK	COUNTY OF ORANGE	TOWN OF CHESTER	LIBER 14219, PAGE 1235	DEED REFERENCE;	SECTION 17, BLOCK 1, LOT 101	TAX MAP REFERENCE:	
) \	SHEET							)T 101		

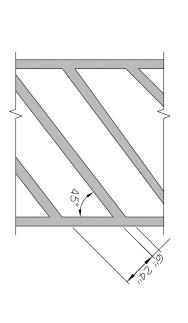


2.) PROPOSED ACCESS RAMP SHALL CONSIST OF COLORED TOOLED/SERRATE SLIP RESISTANT SURFACING AND/OR TACTILE WARNING DEVICE AS REQUIRED BY AMERICANS WITH DISABILITIES ACT ACCESSBILITY GUIDELINES AND CODE REGULATIONS. PROPOSED STRIPING TO BE PA

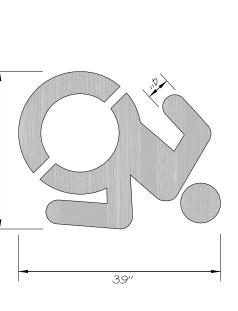
ACCESSIBLE STRIPING & DETAIL: TOP COAT SHERWIN WILLIAMS - PRO M.

4.) ALL CURBING LESS THAN 6" HIGH SHALL BE PAINTER ... LL BE PAINTED IN KIND WITH THE BOLL - PRO MAR TRAFFIC MARKING PAINT,

### Typical Parking Space Details

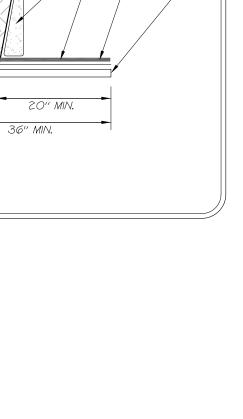


Island Striping Detail NS: 20AT SHERWIN MARKING PAINT,



Accessibile

## Parking Symbol



<u>OTES:</u> WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE OSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL THER 'T' OR 'U' TYPE OR HARDWOOD.

FILTER FABRIC CLOTH FENCE (SEE NOTE I) —

Silt **Fence** Detail

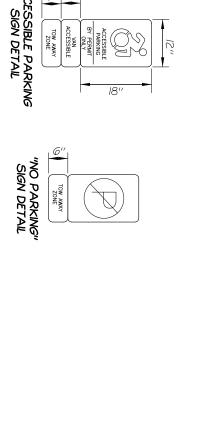
PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR PROVED EQUIVALENT.

### Erosion **ල** Sediment Control Notes:

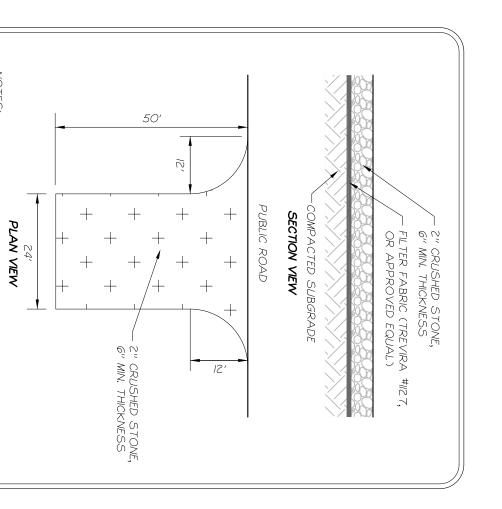
E PROVIDED IN TIMES OF DRY WEATHER, A NATER TO PREVENT DUST FROM TRANSFE HALL BE STABILIZED IN ACCORDANCE WITH THE REQUIREMENTS IN THE NEW YORK STATE TIONS FOR EROSION AND SEDIMENT CONTROL, RY STABILIZATION SPECIFICATIONS INCLUDE: MATELY 0.58 ACRES.

ATE OF 500 LBS PER ACRE. PER MANUFACTURERS SPECIFICATIONS. ASS SEEDING WITH STRAW MULCHING AT

T A RATE OF FIVE (5) LBS. PER ACRE.

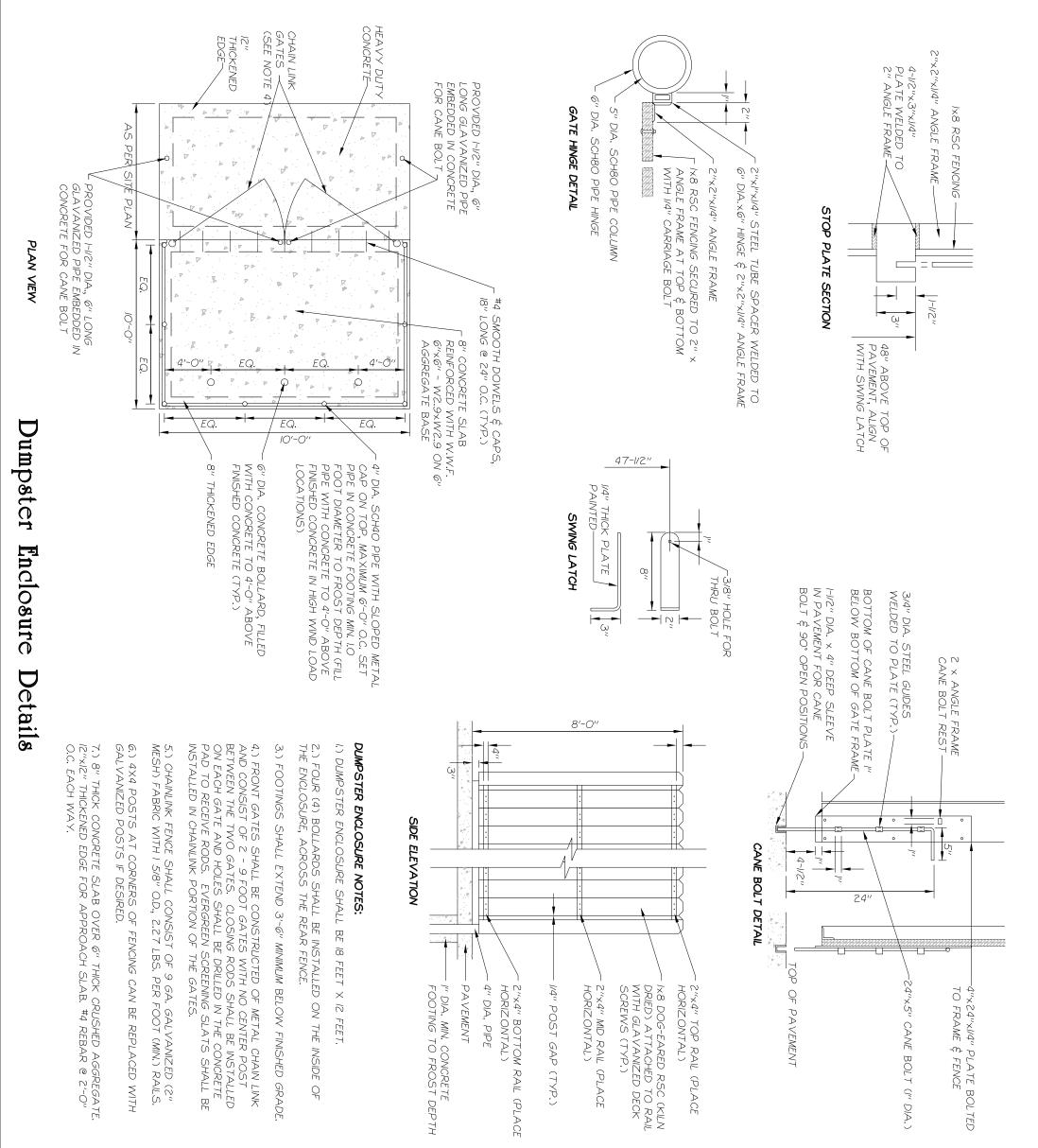


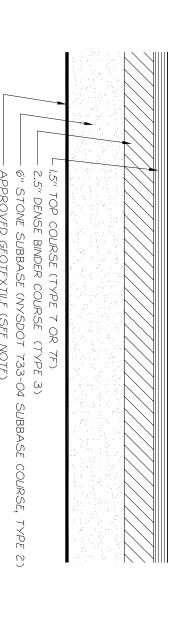
Sign Details



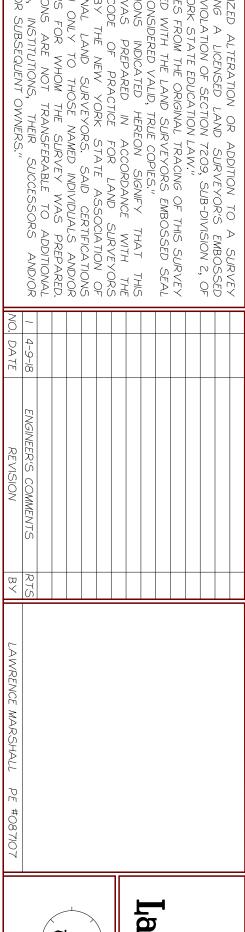
3.) ALL SEDIMENTATION WILL BE INSPECTED & MAINTAINED ON A REGULAR BASIS. 1.) PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. <u>IOTES:</u>
) EXISTING GRAVEL DRIVEWAY SHALL BE IMPROVED IN
ACCORDANCE WITH THIS DETAIL FOR THE DURATION OF
CONSTRUCTION. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO EVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY.

5.) THE WIDTH OF THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE 12' MINIMUM, BUT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE INGRESS/EGRESS AREA BEING USED. Stabilized Construction Entrance Detail





GEOTEXTILE NOTE: GEOTEXTILE IS ONLY REQUIRED IN AREAS WHERE SUBBASE IS NOT ACCEPTABLY STABLE. GEOTEXTILE SHALL BE APPROVED BY A NEW YORK STATE LICENSED Standard Asphalt Pavement Section



)	Lake			
	Station 1	for	Site Plan Details	
	Plaza,	•	Details	
)	IIC DEED F	TA: SE(	RECOR LAKE	

P: (845)744.3620 F:(845)744.3805 MNTM@MNTM.CO	PO BOX 166; 45 MAIN STREET; PINE BUSH, NY 12566	Mercurio-Norton-Tarolli-Marshall			)           	L	ke Station Plaza, LLC	IOF	٢.	Site Plan Details
PROJECT: 4266	DRAFTED BY: KMW	SCALE:  " = 20"	DATE: 11-21-2017	STATE OF NEW YORK	COUNTY OF ORANGE	TOWN OF CHESTER	DEED REFERENCE: LIBER 14219, PAGE 1235	TAX MAP REFERENCE: SECTION 17, BLOCK 1, LOT 101		LAKE STATION PLAZA LLC
,	3	SHEET						)T 101		LLC

