

INDUSTRIAL DUTY, HIGH EFFICIENCY, SELF-CLEANING, BELOW GROUND FILTRATION SYSTEM.

FLUSH INSTALLATION AT GROUND LEVEL

\* MAX. 8,000 SQ. FT. WITH 6" CONNECTIONS

\* MAX. 16,000 SQ. FT. WITH 8" CONNECTIONS

\* 0.35MM (.01") MESH FILTER

\* SELF-CLEANING FILTER \* 6" AND 8" CONNECTIONS

DEBRIS FLUSHED OUT TO

STORM DRAIN WITH OVERFLOW

\* OVER 95% YIELD

\* LOCKABLE CHILDPROOF COVER \* OPTIONAL OPTICLEAN SPRAYHEAD

\* VARIABLE INSTALLATION DEPTH FROM 31-59 INCHES

\* AVAILABLE WITH VEHICLE-LOADING CAST IRON LID

\* ONLY 7.87" HEIGHT OFFSET BETWEEN INLET AND OUTLET

|-2'-0 3/4"-|

CAST IRON LID AND RING (BY OTHERS) SET SO AS TO PREVENT TRANSFERRING ANY

WATER SUPPLY

MOTORIZED THREE WAY VALVE (SEE DETAIL)

30" MAN WAY LOCATION AND HEIGHT TBD

LINE TO IRRIGATION/ USAGE/ OTHER

OAD TO TANK RISER

VARIABLE SPEED, BALANCED FLOW

PUMP CONTROLLER

2" ELECTRICAL CONDUIT

—2" PUMP OUTPUT LINE

FLEXIBLE CONNECTIONS

—47'-6 3/4"—

......4" NPT FITTING

ELESCOPING RISER AND LID

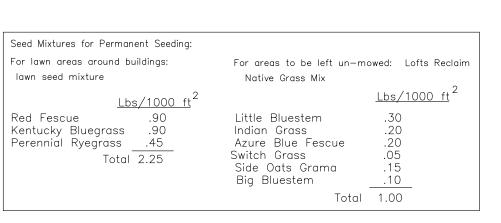
6" OUTLET TO TANK

√6" OR 8" OUTLET

GRAF INDUSTRIAL OPTIMAX FILTER PRODUCT NUMBER 340035/340036-

RAIN WATER INPUT FROM

ROOF OR OTHER SOURCE



	Big Bluestem
	Total 1.00
Lofts Reclaim Conservation Mix (1—800—708—8873) For lawn areas around basin	Lofts Reclaim Native Grass Mix For Stormwater Detention Basin
<u>5 Lbs/1000</u>	$\frac{\text{ft}^2}{40-60 \text{ Lbs/acre}}$
Rebel II Tall Fescue .45 Palmer II Perennial Ryegress .10 Laser Poa Trivialis .25 Streaker Redtop .05 Reed Canarygrass .05 Salty Alkaligrass .10 Total 1.00	Little Bluestem .30 Indiangrass .20 Azure Blue Fescue .20 Switchgrass .05 Side Oats Grama .15 Big Bluestem10 Total 1.00

#### TEMPORARY SEEDING SPECIFICATION

SEEDING: 4 lbs. ANNUAL (OR PERENNIAL) RYE/1000 SQ. FT. FERTILIZING: 16 lbs. 10-20-10 COMMERCIAL FERTILIZER/1000 SQ. FT. LIMING: 90 lbs. PULVERIZED LIMESTONE/1000 SQ. FT.

MULCH: 80 lbs. SALT HAY OR STRAW/1000 SQ. FT. ANCHOR WITH A STARCH POWDER TACKING MIX APPLIED AT 50 lbs./ACRE. PERMANENT SOIL STABILIZATION TO BE COMPLETED WITHIN 10 DAYS

OF FINAL GRADING. CHARACTERISTICS THAT SHOULD BE EVALUATED PRIOR TO REMOVING

OR PROTECTING A TREE : a) TREE VIGOR: AVOID SAVING HOLLOW OR ROTTEN TREES, TREES THAT ARE CRACKED, SPLIT, LEANING OR CROOKED, OOZING SAP OR WITH BROKEN TOPS OR TREES SUBJECT TO INSECT AND DISEASE. TREE AGE: OLD TREES REQUIRE EXTENSIVE PROTECTION MEASURES.

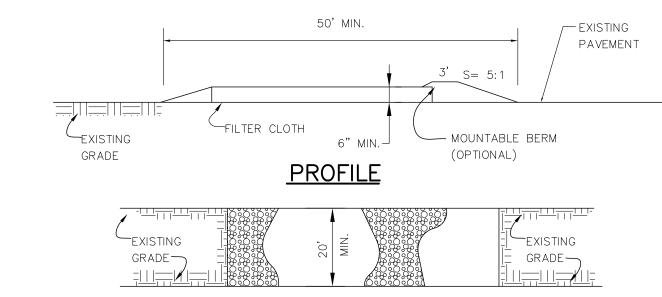
b) IF LEAVING AN OLD TREE, MAKE SURE IT IS HEALTHY.

EXISTING METAL SIDING

BUILDING

N.Y.S.D.E.C. WETLAND "A"

c) BOX TREES WITHIN 25' OF CONSTRUCTION. FENCE SHOULD BE INSTALLED AT DRIP LINE AND FEEDER ROOTS SHOULD NOT BE CUT BEYOND THE FENCE.



#### PLAN VIEW

### STABILIZED CONSTRUCTION ENTRANCE SPECIFICATIONS:

- 1. STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH AS REQUIRED, BUT NOT LESS THAN 50 FT.
- THICKNESS NOT LESS THAN SIX (6) INCHES. WIDTH - TWENTY (20) FT. MINIMUM, BUT NOT LESS THAN THE FULL
- WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH
- 5:1 SLOPES WILL BE PERMITTED. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED
- WASHING WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO A APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

### GRAVEL CONSTRUCTION BLANKET

#### SOIL EROSION AND SEDIMENT CONTROL NOTES:

- 1. SILT FENCE BARRIERS TO BE INSTALLED PRIOR TO CONSTRUCTION.
- 2. DISTURBANCE TO BE LIMITED TO NECESSARY GRADING ON ROADS, BUILDING LOCATIONS, DRIVEWAYS AND IN AREAS AS CALLED CALLED FOR IN THE PLANS.
- 3. TEMPORARY SEEDING WITH ANNUAL RYE GRASS OR OTHER RAPID GROWING MIXTURE TO BE PERFORMED ON DISTURBED SOIL REMAINING
  - A. LOOSEN SEEDED BY DISCING TO 4" DEPTH. B. FERTILIZE WITH 400 LBS. PER ACRE PERENNIAL RYE

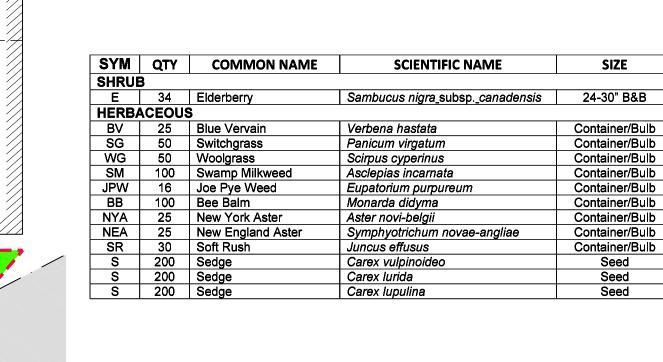
VACANT FOR MORE THAN ONE MONTH AS FOLLOWS:

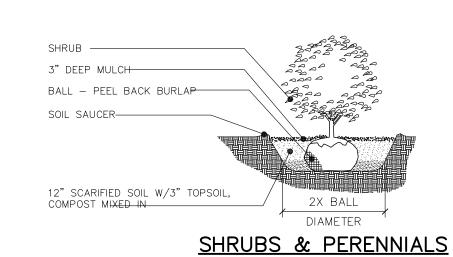
- C. SEED WITH 20 LBS. PER ACRE PERENNIAL RYE GRASS. D. MULCH WITH 90 LBS. PER ACRE STRAW, BOUND IN PLACE WITH 200 GALLONS PER ACRE CUTBACK ASPHALT
- 4. ALL DISTURBED AREAS TO BE MULCHED TO PREVENT EROSION, THE CONTRACTOR SHALL COMPLY WITH ALL REQUESTS OF THE VILLAGE ENGINEER OR BUILDING INSPECTOR DURING CONSTRUCTION WITH REGARD TO EROSION CONTROL DEVICES.
- 5. EROSION CONTROL MEASURES TO REMAIN IN PLACE AND BE MAINTAINED BY CONTRACTOR UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED.

#### CONSTRUCTION SEQUENCE

(RC-70).

- 1. ERECT SNOW FENCING AROUND TREES, STRUCTURES, AND OTHER FEATURES TO BE PROTECTED.
- 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S).
- 3. CONSTRUCT SILT FENCE BARRIERS DOWNSLOPE OF ALL AREAS TO BE DISTURBED.
- 4. CLEAR AND GRUB VEGETATION IN AREAS TO BE REGRADED.
- 5. PERFORM GRADING, EXCAVATION, CONSTRUCTION OF PARKING AREAS, BUILDINGS, UTILITIES, PAVING, ETC. DURING CONSTRUCTION, GRATES OF CURB AND FIELD INLETS SHALL BE SET AT AN ELEVATION WHICH PERMITS PROPER COLLECTION OF SURFACE RUNOFF. TEMPORARY PROTECTION SHALL BE PROVIDED AT ALL INLETS.
- 6. MAINTAIN SILT FENCE BARRIERS, SEDIMENT TRAPS, AND OTHER MEASURES IN PROPER CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPS ONCE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE BASIN. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN A MANNER THAT IT WILL NOT ERODE.
- 7. AS CONSTRUCTION PROCEEDS, ALL DISTURBED AREAS SHALL BE PLANTED. SEEDED. OR PAVED IN A TIMELY MANNER TO PREVENT UNNECESSARY EROSION. ONCE DISTURBED AREAS HAVE BEEN PROPERLY STABILIZED, SILT FENCE, TEMPORARY BERMS, TEMPORARY SWALES, ETC, SHALL BE REMOVED.
- 8. ADDITIONAL SILT FENCE BARRIERS OR OTHER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED AS DEEMED NECESSARY BY THE TOWN ENGINEER OR BUILDING INSPECTOR.

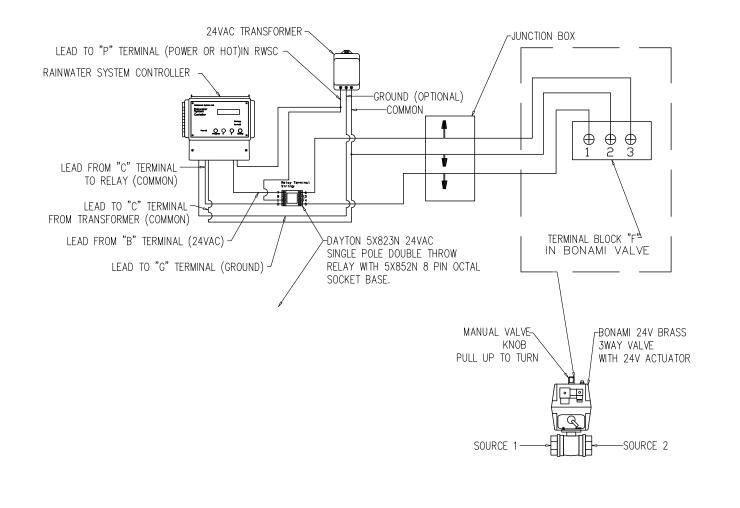




# BUFFER MITIGATION LANDSCAPING DETAIL

PLANNING BOARD ENGINEER

IMMEDIATELY.



THREE WAY VALVE TYPICAL WIRING DIAGRAM

JOHN D. FULLER, P.E APPROVED AS A FINAL SITE PLAN AS RESOLVED BY THE PLANNING BOARD OF THE TOWN OF CHESTER ON PLANNING BOARD CHAIRMAN DATE

DATE

TOWN OF CHESTER, COUNTY OF ORANGE, NEW YORK PROFESSIONAL ENGINEER

N.J. LIC. NO. 42708

N.Y. LIC. NO. 077703

SIZE

2	REVISED PER N.Y.S.D.E.C. COMMENTS DATED 07-06-17	07-07-17			
1	REVISED PER PB COMMENTS	08-06-15			
NO.	DESCRIPTION	DATE			
REVISIONS					

LANDSCAPING DETAILS

### SITE DETAILS

### BUILDING EXPANSION PLAN PREPARED FOR

## TRADE TRANS CORP.

SECTION 6 BLOCK 1 LOT 106

# ERS ENGINEERING

CONSULTANTS, P.C. PHONE: (845) 987-1775 FAX: (845) 987-1788

11 FOREST	ER AVE.,	WARWICK,	NEW Y	ORK 1	.0990
SCALE:	DATE:	JOE	3 NO.	SHEE	T NO.

AS NOTED 06-26-15 3104 2 OF 2