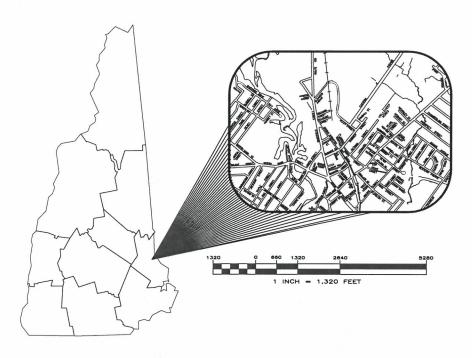


PROPOSED CONTRACTOR STORAGE YARD

PREPARED FOR
NORMAN VETTER, INC.
53 ALLEN STREET
ROCHESTER, NH 03867
JULY 2018





CIVIL ENGINEERS

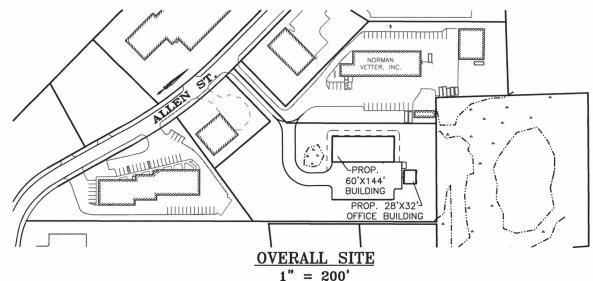
NORWAY PLAINS ASSOCIATES, INC. 2 CONTINENTAL BOULEVARD ROCHESTER, NEW HAMPSHIRE 03867 (603) 335-3948 CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)—335—3948.

<u>APPLICANT</u>

NORMAN VETTER, INC.
PO BOX 181
ROCHESTER, NEW HAMPSHIRE 03866-0181
(603) 332-0354

OWNER OF RECORD

TAX MAP 117, LOT 2-8
OWNER OF RECORD:
NORMAN P. VETTER REV. TRUST &
STACIA R. VETTER REV. TRUST
PO BOX 181
ROCHESTER, NH 03866-0181
SCRD BOOK 4578, PAGE 864





STATE OF NEW HAMPSHIRE PERMIT NUMBE NHDES ALTERATION OF TERRAIN:

NHDES ALTERATION OF TERRAIN:
NHDES WETLANDS PERMIT:
NHDES DAM PERMIT:
NHDES SUBDIVISION PERMIT:
NHDES SUBSURFACE SYSTEMS PERMIT

DES SUBSURFACE SYSTEMS PERMIT: NO
DES WASTEWATER PERMIT: NO
DOT DRIVEWAY/ENTRANCE PERMIT: NO

VATIONAL POLLUTANT DISCHARGE ELMINATION SYSTEM (NPDES):

NPDES PERMITS ARE ONLY REQUIRED FOR PROJECTS MEETING THE DISTURBED ARE CRITERIA BELOW AND HAVING A POINT SOURCE STORMWATER DISCHARGE FROM THE SITE TO AN ADJACENT WETLAND OR WATER BODY (I.E. CULYERT, SWALE, ETC. OUTLETING TO A WETLAND, CREEK, STREAM OR RIVER).

S PERMIT: REQUIR

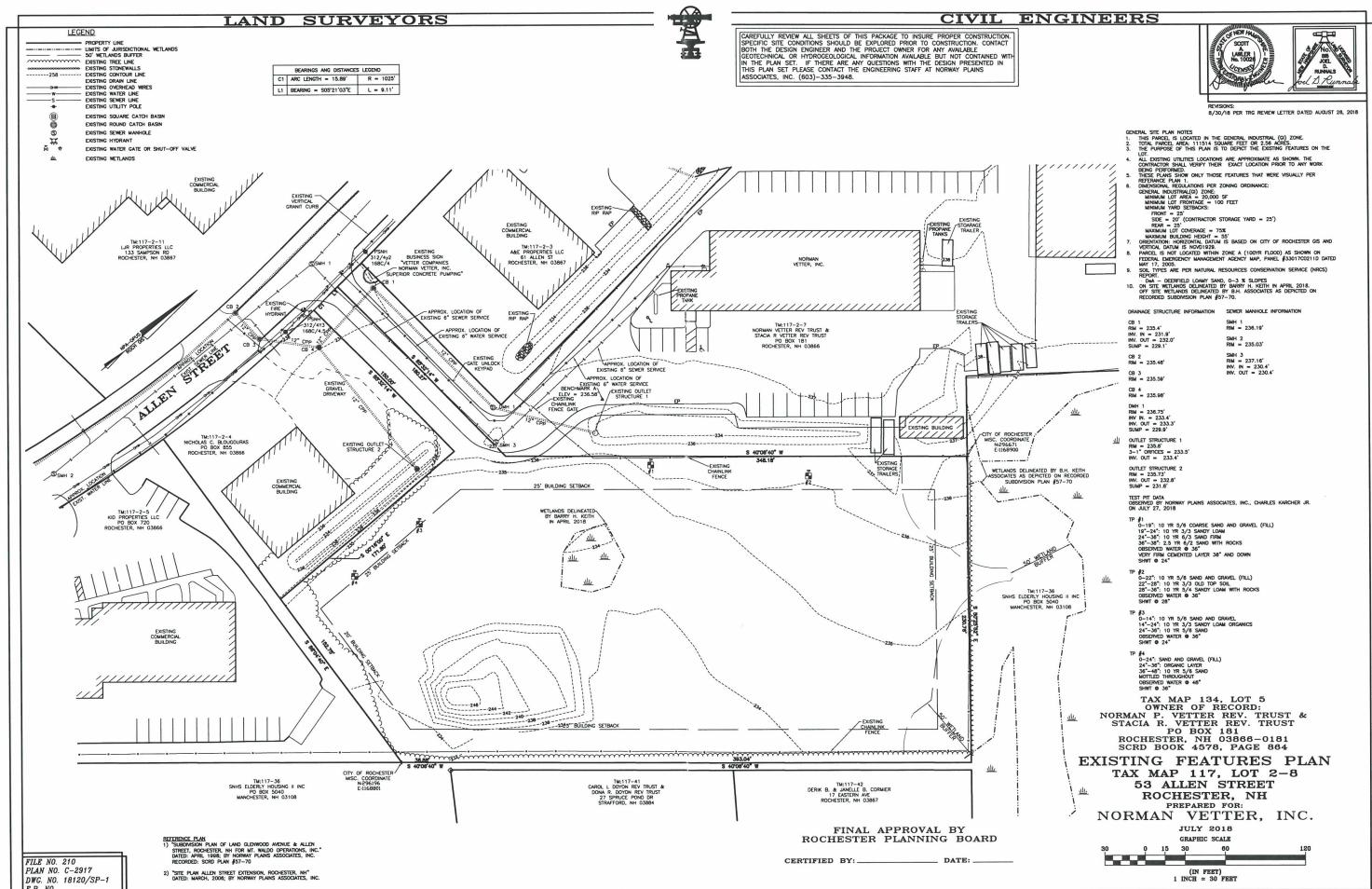
NPDES PERMITS CONSIST OF A NOTICE OF INTENT (NOI) FILED WITH THE ENVIRONMENTAL PROTECTION AGENCY AT LEAST 14 DAYS PRIOR TO CONSTRUCTION COMMENCING AND A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEING PREPARED, KEPT ON SITE AND FOLLOWED BY THE CONTRACTOR.

FOR STATUS OF THIS PERMIT, CONTACT THE PROJECT GENERAL CONTRACTOR.

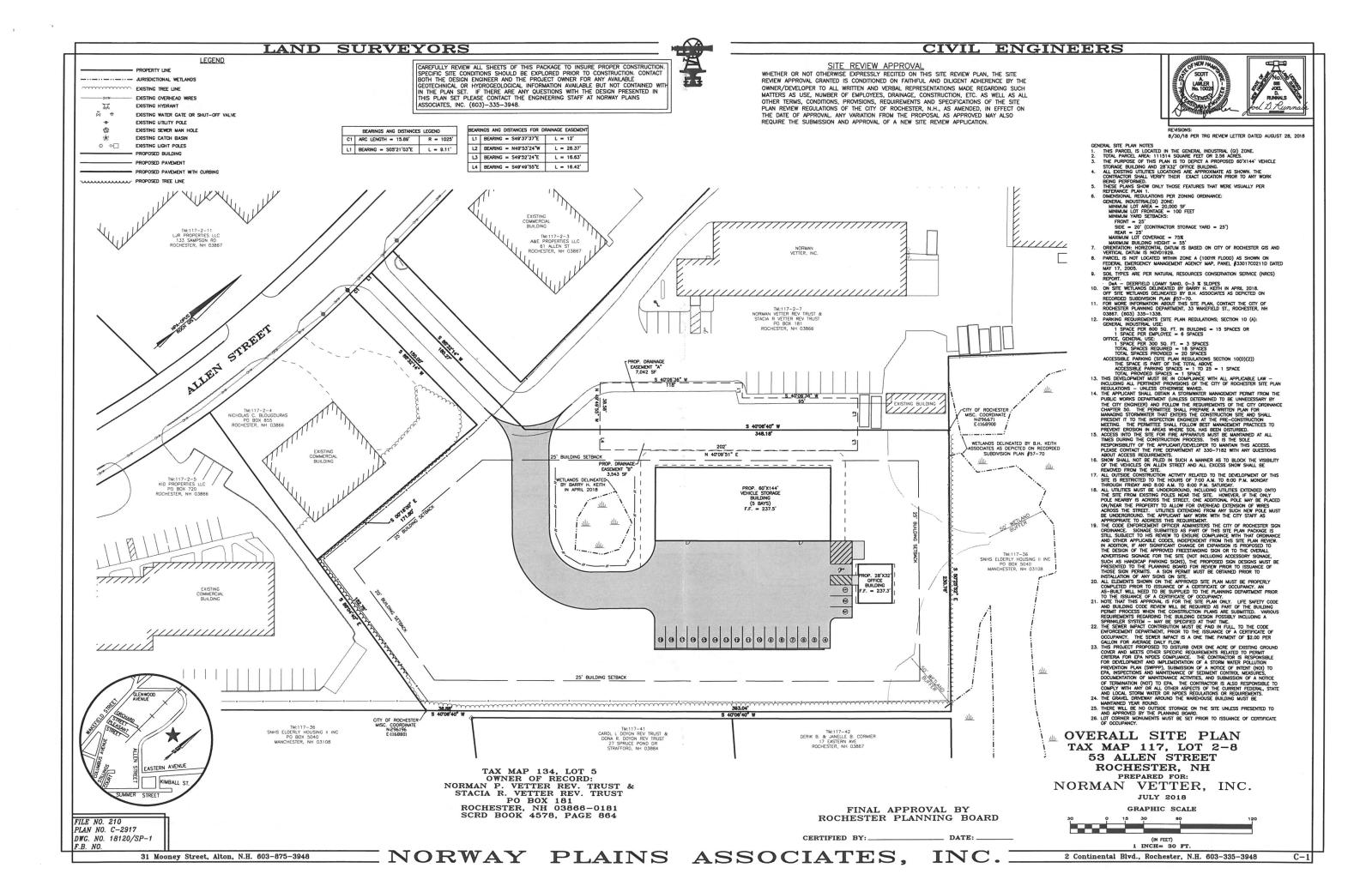
FINAL APPROVAL BY ROCHESTER PLANNING BOARD

CERTIFIED BY: _____ DATE: ____

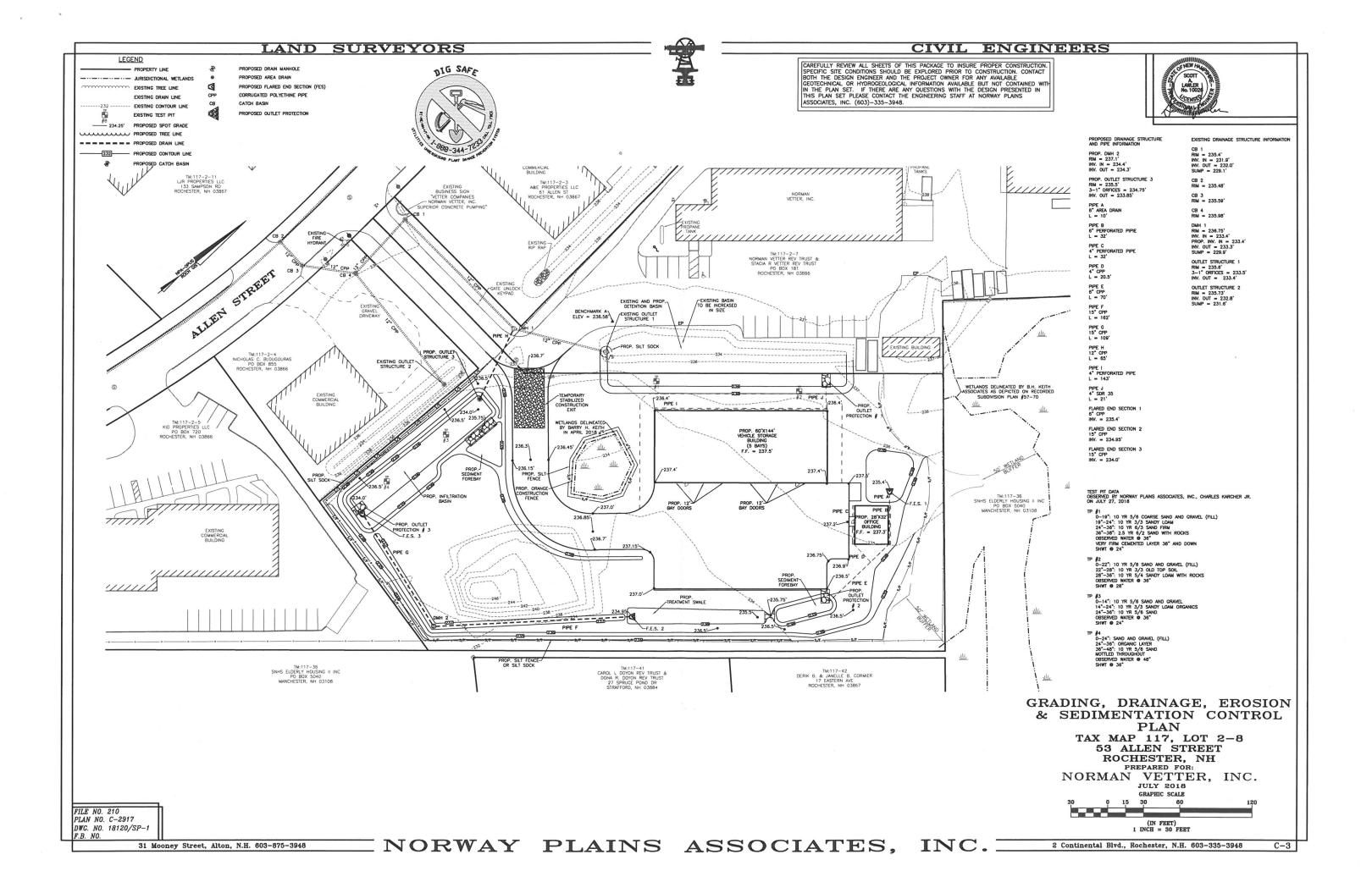
FILE NO. 210 PLAN NO. C-2917 DWG. NO. 18120/SP-1

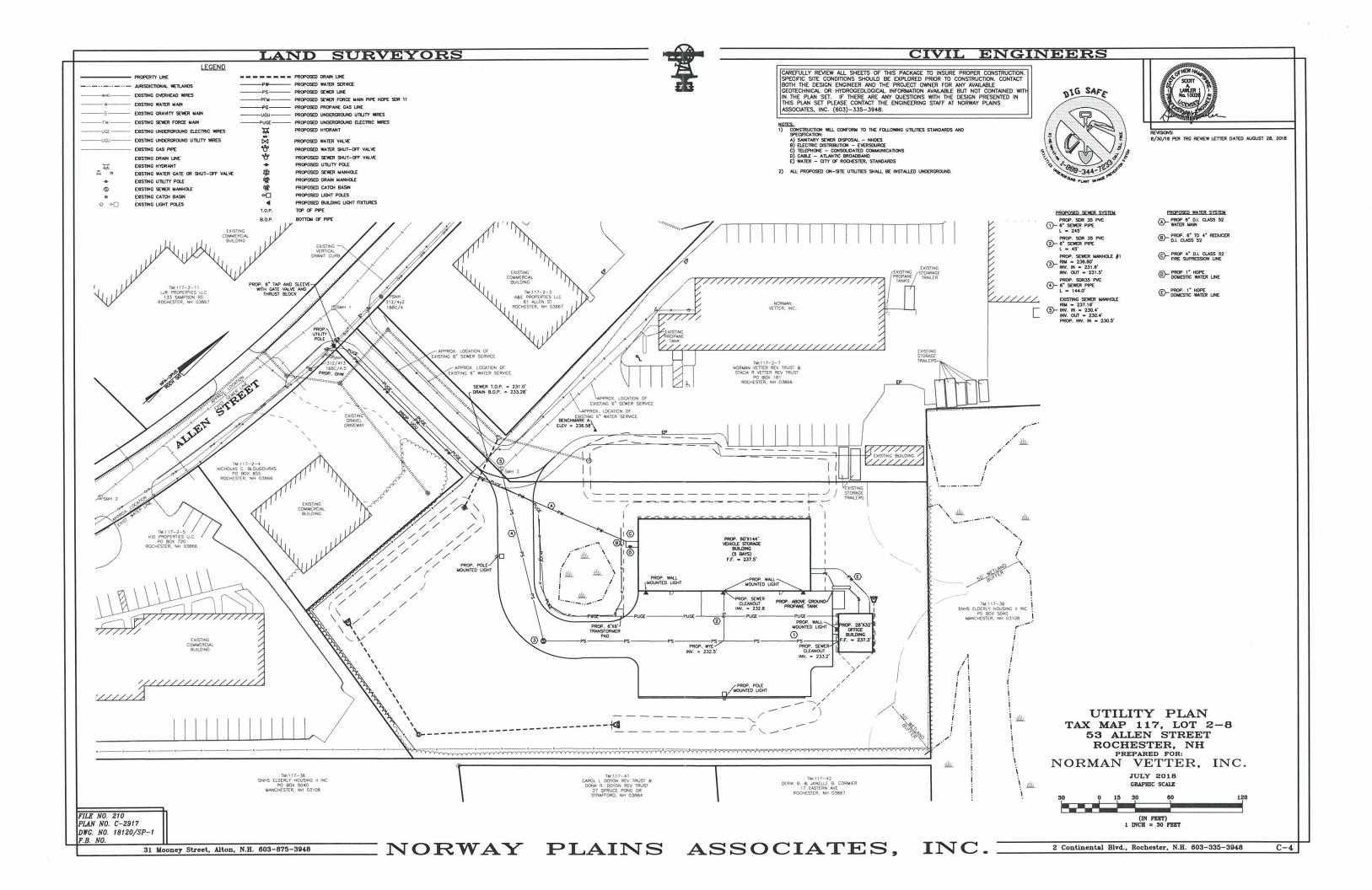


31 Mooney Street, Alton, N.H. 603-875-3948

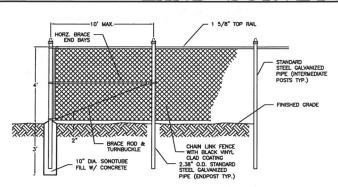


CIVIL ENGINEERS LAND SURVEYORS LEGEND CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GETECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS PROPERTY LINE ----- JURISDICTIONAL WETLANDS PROPOSED PAVEMENT EXISTING TREE LINE PROPOSED CONCRETE EXISTING OVERHEAD WIRES PROPOSED SIGNS ASSOCIATES, INC. (603)-335-3948. PAVEMENT RADIUS (20') H EXISTING HYDRANT EXISTING WATER GATE OR SHUT-OFF VALVE EXISTING UTILITY POLE PROPOSED ACCESSIBLE PARKING SPACES (9' x 18' WITH 8' x 18' ACCESS ISLE) EXISTING SEWER MAN HOLE 8/30/18 PER TRG REVIEW LETTER DATED AUGUST 28, 2018 EXISTING ROUND CATCH BASIN PROPOSED BUILDING - PROPOSED PAVEMENT INSTRUCTION NOTES:
ALL DISTURBED AREA NOT PAVED OR GRAVEL SHALL HAVE A MINIMUM
OF 4 INCHES OF LOAM, BE SEEDED AND MULCHED.
A KNOK BOX MUST BE INSTALLED AT THE CATE TO ENSURE EASY
ACCESS FOR EMERGENCY SHOLDES.
ACCESS DEMITTACION SIGN MUST AT LESSE 3.5' TALL,
CONTRACTING COLOR, AND CLERRY VISIBLE. 000 140000 SITE LAYOUT PLAN TAX MAP 117, LOT 2-8 53 ALLEN STREET ROCHESTER, NH PREPARED FOR NORMAN VETTER, INC. JULY 2018 GRAPHIC SCALE FINAL APPROVAL BY ROCHESTER PLANNING BOARD FILE NO. 210 PLAN NO. C-2917 CERTIFIED BY: _____ (IN FEET) 1 INCH = 30 FEET DWG. NO. 18120/SP-1 F.B. NO. NORWAY PLAINS ASSOCIATES, INC. 2 Continental Blvd., Rochester, N.H. 603-335-3948 C-2 31 Mooney Street, Alton, N.H. 603-875-3948



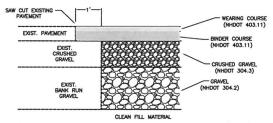


LAND SURVEYORS



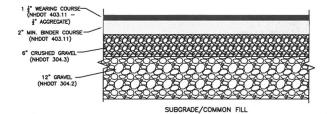
TYPICAL CHAINLINK FENCE DUMPSTER ENCLOSURE

NOT TO SCALE



TYPICAL PAVEMENT MATCHING DETAIL

NOT TO SCALE



PARKING LOT CROSS-SECTIONS

NOT TO SCALE

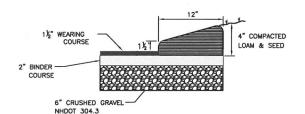
PAVEMENT NOTES:

1. PLACE COMMON FILL IN 12 INCH LIFTS. COMPACT COMMON FILL TO 95% MAXIMUM PROCTOR DENSITY.

2. PLACE GRAVEL IN MAXIMUM 8 INCH LIFTS. COMPACT TO 95% MAXIMUM PROCTOR DENSITY.

3. PLACE CRUSHED GRAVEL IN MAXIMUM 8 INCH LIFTS. COMPACT TO 95% MAXIMUM PROCTOR DENSITY.

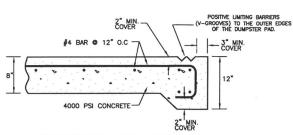
4. PAVEMENT MUST BE INSTALLED IN TWO COURSES, A BINDER COURSE AND A WEARING COURSE.



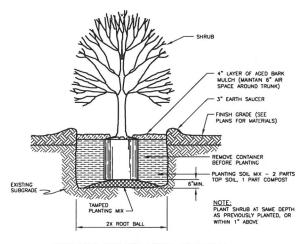
BITUMINOUS CAPE COD BERM DETAIL NOT TO SCALE

NOTES:

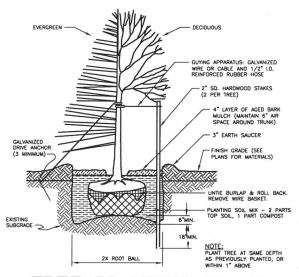
1. BITUMINOUS CAPE COD BERM SHALL BE INSTALLED ON TOP OF BINDER COURSE.



DUMPSTER PAD DETAIL NOT TO SCALE



SHRUB PLANTING DETAIL NOT TO SCALE

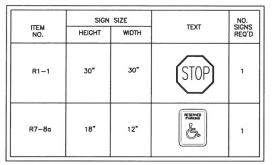


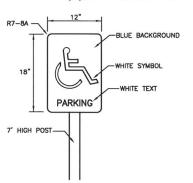
TREE PLANTING DETAIL

CIVIL ENGINEERS

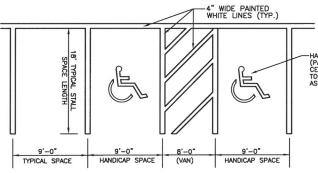
CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

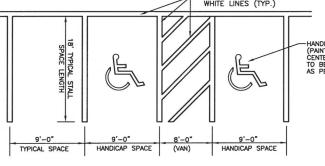






SIGN DETAIL NOT TO SCALE





STALL STRIPING DETAIL NOT TO SCALE

CONSTRUCTION SEQUENCE

- 1.) CUT ALL TREES AND REMOVE ALL STUMPS.

 2.) CONSTRUCT SILT FENCE AND INSTALL SILT SOCKS AS SHOWN. MAINTAIN THE FENCE AND SILT SOCKS AS CONSTRUCTION PROGRESSES AND UNTIL ALL DISTRUBED AREAS ARE STABLE.

 3. CONSTRUCT THE DETENTION AND INFILTRATION BASIN AS SHOWN ON THE PLAN. LOAM, SEED, AND MULCH IMMEDIATELY AFTER CONSTRUCTION.

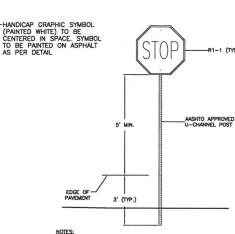
 4.) THE DETENTION AND INFILTRATION BASIN MUST BE STABILIZED BEFORE DIRECTING RUNOFF TO THEM. REROSION CONTROL BLANKETS (CURLEX EXCELSIOR BY AMERICAN EXCELSIOR COMPANY, OR EQUAL) SHALL BE USED WHERE SOD IS NOT PLACED AND VEGETATION IS NOT ESTABILISHED.

 5. REMOVE THE LOAM AND VEGETATION FROM THE BUILDING, PARKING LOT AND BACKSLOPE AREAS. THE LOAM WILL NEED TO BE STORED FOR USE LATER IN STABILIZING THE SWALES AND SIDESLOPES. THE LOAM PILE SHALL BE SEEDED FOR TEMPORARY PROTECTION SHOULD IT REMAIN INACTIVE FOR MORE THAN 30 DAYS.

 6. CILT THE PARKING LOT. BACKSLOPE AREAS. AND BUILDING AREAS TO SUB-GRADE.
- 6.) CUT THE PARKING LOT, BACKSLOPE AREAS, AND BUILDING AREAS TO SUB-GRADE.
- ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED OR COVERED WITH AN EROSION CONTROL BLANKET IMMEDIATELY AFTER THEIR CONSTRUCTION.
- 8.) CONSTRUCT THE CLOSED DRAINAGE SYSTEM AS SHOWN ON THE PLAN

- 8.) CONSTRUCT THE CLOSED DRAINAGE SYSTEM AS SHOWN ON THE PLAN.
 9.) INSTALL ALL UNDERGROUND UTILITIES AS DEPICTED ON THE UTILITY PLAN.
 10.) INSTALL THE GRAVEL BASE IN ALL AREAS TO BE PAVED.
 11.) INSTALL ALL NEW PAVEMENT.
 12.) ALL DISTURBED AREAS EXCLUDING BUILDINGS AND PARKING SHALL BE STABILIZED AS SOON AS POSSIBLE, BUT IN NO CASE SHALL BE LEFT UNSTABILIZED FOR MORE THAN 30 DAYS. BUILDINGS, PARKING LOTS, AND DRIVEWAYS SHALL BE CONSTRUCTED AS PRACTICABLE, BUT IN NO CASE SHALL BE LEFT UNPROTECTED OVER THE WINTER MONTHS.
- MONTHS.

 13.) REMOVE TEMPORARY EROSION CONTROL (SILT FENCES AND SILT SOCKS) TO ELIMINATE FLOW IMPEDIMENTS ONCE SEEDING IS FIRMLY ESTABLISHED.



NOTES:

1. SIGN POST SHALL BE ANSHTO APPROVED U-CHANNEL OR OTHER PER ASSHTO "SPECIFICATIONS FOR STRUCTURAL SUPPORT OF HIGHWAY SIGNS, LUMINARIES AND SIGNUS", LUTEST EDITION.

2. SIGNS SHALL BE MOUNTED 5 FT FROM GROUND TO BOTTOM EDGE WHERE PARRING AND PARRING LOT MOVEMENTS TAKE PLACE.

3. SIGNS SHALL BE PLACED SO THAT RAPKEST EDGE IS 2 FT. FROM EDGE OF PAREMENT UNLESS CURBED.

- TYPICAL TRAFFIC SIGN NOT TO SCALE

CONSTRUCTION DETAILS TAX MAP 117, LOT 2-8 53 ALLEN STREET ROCHESTER, NH NORMAN VETTER, INC.

2 Continental Blvd., Rochester, N.H. 603-335-3948

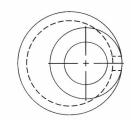
FILE NO. 210

LAND SURVEYORS









	PLAN VIEW	<u>Y</u>	₹		+	2'-2		
DRAIN LINE DIAMETER	SUM OF DRAIN LINE DIAMETER	DRAIN MANHOLE DIAMETER	1'-0",2'-0",3'-0",4'-0"	5*		-	-	5"
15" TO 18"	LESS THAN 54"	4'	-0	BARREL		4'-0" I.D.		
21° TO 27°	LESS THAN 72"	5'	0.2	3				
30" TO 33"	LESS THAN 90"	6'	÷				\perp	
36° & LARGER	GREATER THAN 90"	REFER TO THE STANDARD	-	_	K		-4	4
	DO PSI AFTER 28 DA		.o*	BASE				

- LOADING.

 3. SHIPLAP JOINTS SEALED WITH 1 STRIP OF BUTYL RUBBER SEALANT.

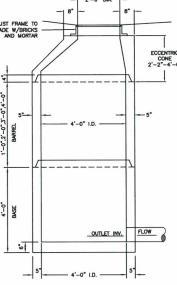
 4. PIPE OPENINGS CAST IN AS REQUIRED.

 5. RISER HEIGHT VARIES 1*, 2*, 3* OR 4* TO REACH DESIRED DEPTH.

 6. PIPE CONNECTIONS SHALL BE MORTARED.

 7. PRECAST SECTIONS SHALL CONFORM TO ASTM

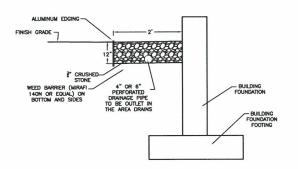
- S. SEE SLAB TOP DETAIL FOR STRUCTURES REQUIRING SLAB TOPS, I.E. DOUBLE GRATE AND FRAME STRUCTURES



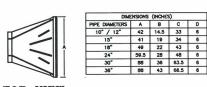
SECTION VIEW

PRE-CAST REINFORCED DRAIN MANHOLE

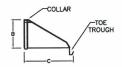
NOT TO SCALE



FOUNDATION AND DRIP EGDE DRAIN DETAIL









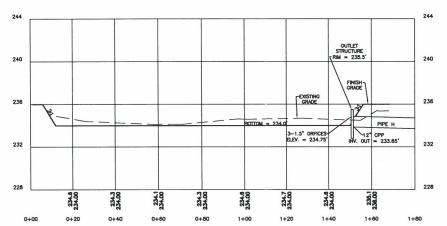
SIDE VIEW

FRONT VIEW

FLAIRED END SECTION DETAIL

NOT TO SCALE

FILE NO. 210 PLAN NO. C-2917 DWG. NO. 18120/SP-1



INFILTRATION BASIN CROSS SECTION

1" = 20' (HORZ.) & 1" = 4' (VERT.)

INFILTRATION BASIN:

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR MAY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH ITH PLAN SET. IF THERE ARE MAY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)—335—345 (603)—435.

- INGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE

- GENERALISES.

 CHARGE SEDMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE
 PROPERTY OF THE SECOND S

- ITEMANCE REQUIREMENTS:
 INSPECT PRETINGATION LIGISURES (I.E. SEDIMENT FOREBAY(S), HOODED CATCH BASINS, ETC.) AT LEAST TWICE A YEAR
 AND AFTER EVERY STORM GREATER THAN 2.5 INCHES OF RAIN OVER A 24-HOUR PERIOD.
 INSPECT INFILTRATION SURFACE BI-ANNUALLY. ONCE IN THE SPRING PRIOR TO MAY 15 AND ONCE IN THE FALL PRIOR TO
 OCTOBER 13.

- OCTOBER 13. INTERIATION SURFACE BIT-ANNOULT. WERE IN THE STRING PRICE TO MAKE IT AND WICE IN THE FALL PRICE TO MISSPECT INSTITUTATION OF THE FALL PRICE TO THE STRING PRICE ATTER ANY FARMFALL EVENT OF 2.5—INCHES OR GREATER IN A 24—HOUR PERIOD. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT BASED ON INSPECTION. REPAIR AREA OF REMOVAL AS NECESSARY TO RESTORE, INSTITUTATION OF ADMINISTRATION BASED ON INSPECTION. PERFORM MAINTENANCE AND REPAIRATION BASED ON INSPECTION. COMBUTE FEBRUARY MORNING THE INSTITUTATION BASED HOUR PRICE AND EMBONACIETS (MINISMAN TWICE A YEAR) TO ELIMINATE CONTINUED TO THE SITE IS RECOMMENDED. MORNING THE INSTITUTATION BASIN EMBANKMENTS WHEN MOWING IT HE INSTITUTATION STITEM DOES NOT DRAIN WITHIN 72—HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL, LICE, PROFESSIONAL, ENGINEER, CERTIFIED SOLIS SCIENTIST, ETC.) SHALL ASSESS THE CONTINUE OF FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE INFLITATION FUNCTION, INCLIDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE INFLITATION SUPFACE.

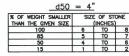
PVC PIPE W/ GRATED TOP TOP OF BERM TOP OF PIPE ELEV. = 235.5 12"# CORRUGATED-1 1/2" SEPTIC STONE MEETING REQUIREMENTS OF ENV-WS 1014.10 INVERT ELEV.= 233.85' WRAP STAND PIPE WITH WIRE MESH TO PREVENT STONES FROM FALLING IN 3' SUMP THREE - 1.5"ø HOLES ELEV. = 234.75' SPACED EVENLY AROUND FRONT OF THE PIPE

INFILTRATION BASIN OUTLET CONTROL STRUCTURE

NOT TO SCALE

RIP-RAP GRADATION



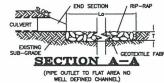


(PIPE OUTLET TO WELL DEFINED CHANNEL)

SECTION A-A

APRU	IN DIMITEL	127	DIA	IAI		1
OUTLET PROT.	PIPE OUTLET	Wo	W	La	T	d50
# 1	36" CPP INTO FORABAY	9'	21.8'	32.2'	18"	6"
# 2	30" CPP INTO INFILTRATION BASIN	7.5'	27.5'	20.0'	9"	3"
/ 3	24° CPP OUTLET	6'	21.85	15.85'	9"	3°

ADDOM DIMENSION TADIE



- NOTES:

 1. ALL PIPE CULVERTS SHALL HAVE END SECTIONS OR HEADWALLS. END SECTION MATERIAL AND MANUFACTURER SHALL MATCH THAT OF THE PIPE CULVERT.

 2. THE LARGEST RIP—RAP SIZE DETERMINED DURING HYDROLOGIC ANALYSIS HAS BEEN USED FOR ALL OUTLETS FOR ECONOMY AND SIMPLICITY.
- XTY. LENGTHS, WIDTHS AND THICKNESSES HAVE BEEN ROUNDED UP TO WHOLE NUMBERS FOR EASE OF CONSTRUCTION.

- CONSTRUCTION SPECIFICATIONS:

 1. PREPARE THE SUB-GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP-RAP TO THE GRADES SHOWN ON THE PLANS.

 2. MINIMUM BY SAND/GRAWL USED FOR RULER OR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.

 3. THE ROCK OR GRAVEL USED FOR RULER OR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.

 4. GEOTEXTILE FABRICS SHALL BE PROTECTED PROM PAVIOURE OF TEXAND DURING THE PLACEMENT OF THE PAPP. DAMAGED CONFORM TO THE SPECIFIED GRADATION.

 5. GEOTEXTILE FABRICS SHALL BE REPORTED PROM PAVIOURE OF TEXAND DURING THE PLACEMENT OF THE PAPP.

 6. RIP-LACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO (2) PIECES OF FABRIC SHALL BE A MINIMUM OF 12 NOHLES.

 5. STONE FOR THE RIP-RAP MAY BE PLACED BY COMPINENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SCREEDING OF THE STONE SIZES.

 5. RIP-RAP SIZE CHOSEN FOR THE WORST CASE OF ALL OUTLETS. ALL RIP-RAP USED FOR PIPE OUTLET PROTECTION WILL HAVE THE SAME GRADATION AND INSUCH ON THICKNESS.

MAINTENANCE NOTES:

1. OUTLETS SHALL BE INSPECTED AND CLEANED ANNUALLY AND AFTER MAY MAJOR STORM EVENT. MAY EROSION OR DAMAGE TO THE RIP-MAP SHALL BE REPAIRED IMMEDIATELY.

2. THE CHANNEL IMMEDIATELY DOMNSTREAM FROM THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING. THE CHANNEL IMMEDIATELY DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILENER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO ANDID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APPORT.

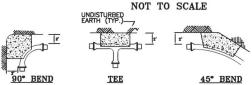
PIPE OUTLET PROTECTION DETAIL

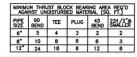
DRAINAGE DETAILS TAX MAP 117, LOT 2-8 53 ALLEN STREET ROCHESTER, NH PREPARED FOR: NORMAN VETTER, INC. JULY 2018

LAND SURVEYORS CROSS COUNTRY UNDER PAVEMENT

NOTES: MY BE HISTALED BY DICHARITH AN OPIN TERION HITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4—FT.
I PEPEDINS DEPTH THAN 4—IT REGIMEN THE USE OF A THERMOL BOX.
2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN FALL.
2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN FALL.
3. SHAD BLANKET MAY BE CHITETED FOR REPROPOSED CONCRETE PIPE.

WATER PIPE TRENCH INSTALLATION DETAIL





SIZE OF THRUST BLOCKS MAY BE INCREASED BY THE ENGINEER TO MEET SOIL CONDITIONS FOUND DURING CONSTRUCTION.

WATER MAIN THRUST BLOCK DETAILS NOT TO SCALE

					DI	JCTILE	IRON	MECH	ANICAL	RETR	RAINED	LENGT	H (FE	ET)						
PIPE								BEN	NDS								DEAD END			
DIAMETER		11	1/4			22	1/2			4	5*			9	0.		T DEAD END		LIND	
(INCHES)	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	20 p:
2"	0	0	1	1	0	1	1	1	1	1	2	3	2	4	5	7	4	8	12	1
6"	0	0	1	1	1	1	2	2	1	2	3	4	3	5	8	10	6	12	18	2
8"	0	1	1	1	1	1	2	3	1	3	4	6	3	7	10	13	8	15	23	3
10"	0	1	1	2	1	2	2	3	2	3	5	7	4	8	12	16	9	19	28	3
12"	0	1	1	2	1	2	3	4	2	4	6	8	5	9	14	19	11	22	33	4
				TE	E*							REDU	JCER							
		SAME	SIZE		ONE	SIZE	SMAL	LLER	ONE SIZE SMALLER TWO SIZE SMALLER											
	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi				
2"	1	1	1	1	1	1	1	1	1	3	4	5	-	_	-	=				
6"	1	1	1	4	1	1	1	1	3	6	9	12	4	8	12	16	ĺ			
8"	1	1	3	11	1	1	1	1	3	6	10	13	6	11	17	22	ĺ			
10"	1	1	8	17	1	1	1	6	3	6	10	13	6	11	17	23				
12"	1	2	13	24	1	1	4	13	5	11	16	22	6	12	18	23				

* BASED ON A MINIMUM ATTACHED PIPE ALONG RUN (Lr) = 5 FEET

MECHANICAL RESTRAINED LENGTH SCHEDULE

NOT TO SCALE

IN FIPE IS BURIED TO A DEPTH OF 6 FEET WITH A MINIMUM OF 4 INCHES OF COMPACTED GRANULAR MATERIAL UNDER THE PIPE TO THE SPRING LINE OF THE PIPE. A THE EXISTING SOIL IS POORLY GRAVED GRAVEL AND GRAVEL SAND MIXTURE WITH LITTLE TO FINES.
ALL CALCULATIONS ARE BASED ON A FACTOR OF SAFETY OF 1.5 TO 1.
ALL CALCULATIONS ARE BASED ON THE "RESTRAINED LENGTH CALCULATION PROGRAM" BY
A IRON, INC., RICLASS 3.1.

FILE NO. 210 PLAN NO. C-2917 DWG. NO. 18120/SP-1

POLE MOUNTED LIGHT DETAIL

NOT TO SCALE

THE LIGHT POLE BASES CAN BE PRECAST, WITH COORDINATION WITH THE



CIVIL ENGINEERS

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.



GENERAL UTILITY NOTES

- CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888 344-7233) 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- LOCATIONS AND ELEVATIONS.

 THESE PLAN SHOWS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF THE SURVEY.

 THE ASSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. FROM THIS PLAN, BUT IN EXISTENCE IS NOT INTENDED OR IMPLIED.

 ANY UTILITY POLES THAT NEED TO BE RELOCATED SHALL BE COORDINATED WITH EVERSOURCE OR VERIZON, ANY UTILITY POLES THAT

- SEWER PIPE JOINTS SHALL BE TESTED WITH ZERO LEAKAGE AT 25 POUNDS PER SQUARE INCH FOR GRAVITY SEWER AND AT 1-1/2 TIMES WORKING PRESSURE FOR ALL FORCE MAINS.
- SEWER AND AT 1-1/2 TIMES WORKING PRESSURE FOR ALL FORCE MAINS.

 WATERLINE CONSTRUCTION:

 A.) ALL PROPOSED WATER LINE MATERIAL USED SHALL MEET ROCHESTER WATER DEPARTMENT AND ROCHESTER REGINERERING DEPARTMENT SPECIFICATIONS. WATER LINES SHALL BE AWAYA. C.151, CLASS 52, DOUBLE THICKNESS CEMENT LINED, SEAL COATED IN ACCORDANCE WITH AWAYA. C.104 AND, DUCTILE IRON PIEW. SEAL DEPARTMENT OF ALMERICAN FLOW CONTROL, BENEVILLENT STATE AND ALMES SHALL BE MANUFACTURED BY KENNEDY OF AMERICAN FLOW CONTROL, BENEVILLENT STATE.

 C.) ALL WATER LINES SHALL BE BURBED A MINIMUM OF 5'.

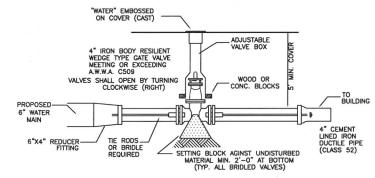
 D.) IF 5' OF COVER IS NOT AVAILABLE WATER LINE SHALL BE INSULATED AS SHOWN IN THE "SHALLOW COVER TRENCH DETAIL FOR INSULATED WATER PIPE".
- E.) FITTINGS:

 0. PRESSURE RATING OF 250 PSI
 0. FLANCE SHALL BE ANSI B16.1, CLASS 152
 0. CLEWIT LINED AND SEAL COATED
 0. FACTORY APPLIED BITUMINOUS COATED
 0. PACTORY APPLIED BITUMINOUS COATED
 0.) WORK 10 COMPACT INTO THE WATER OR SEVER MAINS REQUIRES A PERMIT FROM THE ROCHESTER PUBLIC WORKS DEPARTMENT. CONTRACTORS ARE 10 BE PRET_OUNLIFED.

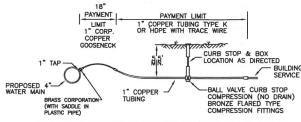
"WATER" EMBOSSED ON COVER (CAST) 6" IRON BODY RESILIENT WEDGE TYPE GATE VALVE MEETING OR EXCEEDING A.W.W.A. C509 VALVES SHALL OPEN BY TURNING CLOCKWISE (RIGHT) 6" CEMENT LINED IRON DUCTILE PIPE (CLASS 52) SETTING BLOCK AGINST UNDISTURBED MATERIAL MIN. 2'-0" AT BOTTOM (TYP. ALL BRIDLED VALVES)

WATER MAIN CONNECTION

NOT TO SCALE

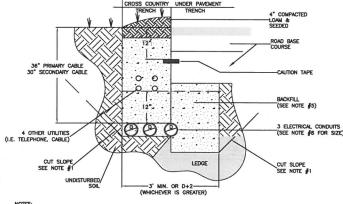


TYPICAL FIRE SERVICE CONNECTION



NOTE: SERVICE LINE SHALL BE TYPE K COPPER CONFORMING TO ASTM-D88

TYPICAL DOMESTIC SERVICE CONNECTION

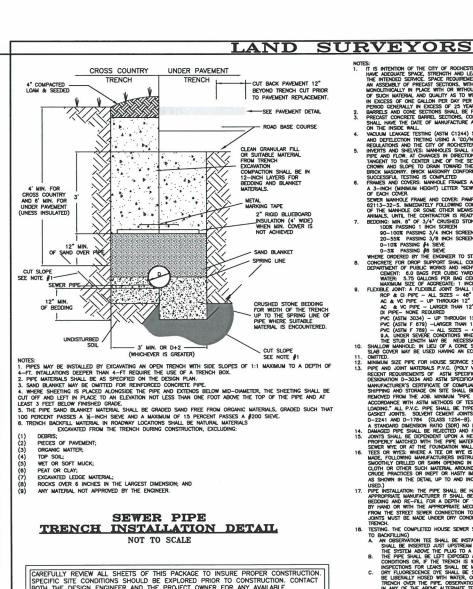


ELECTRICAL & UNDERGROUND UTILITY TRENCH INSTALLATION DETAIL

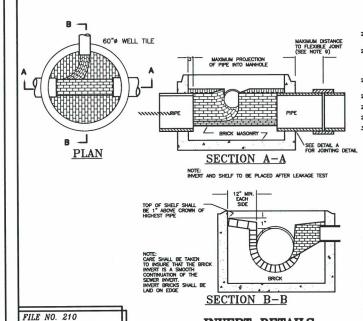
NOT TO SCALE

UTILITY DETAILS TAX MAP 117, LOT 2-8 53 ALLEN STREET ROCHESTER, NH PREPARED FOR: NORMAN VETTER, INC.

AS SHOWN JULY 2018



CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET. PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.



or. Ng. The completed house sewer shall be subjected to a leakage test in any of the following manners (prior

D. HOUSE MO WHITE SERVICE SHOULD NOT BE LIAD IN THE SAME TRENCH AS SEWER SERVICE, BUT WHEN NECESSARY, SHALL BE PLACED ABOVE AND TO THE SDUE OF THE HOUSE SEWER AS SHOWN.

1. BEDDING: MIN. 3/4" CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33.6

1. BEDDING: MIN. 3/4" CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33.6

1. DOOR PASSING 3/4 INCH SCREEN

10.—1007 PASSING 1/8 INCH SCREEN

10.—57 PASSING 1/8 INCH SCREEN

10.—57 PASSING 1/8 INCH SCREEN

10.—57 PASSING 1/8 INCH SCREEN

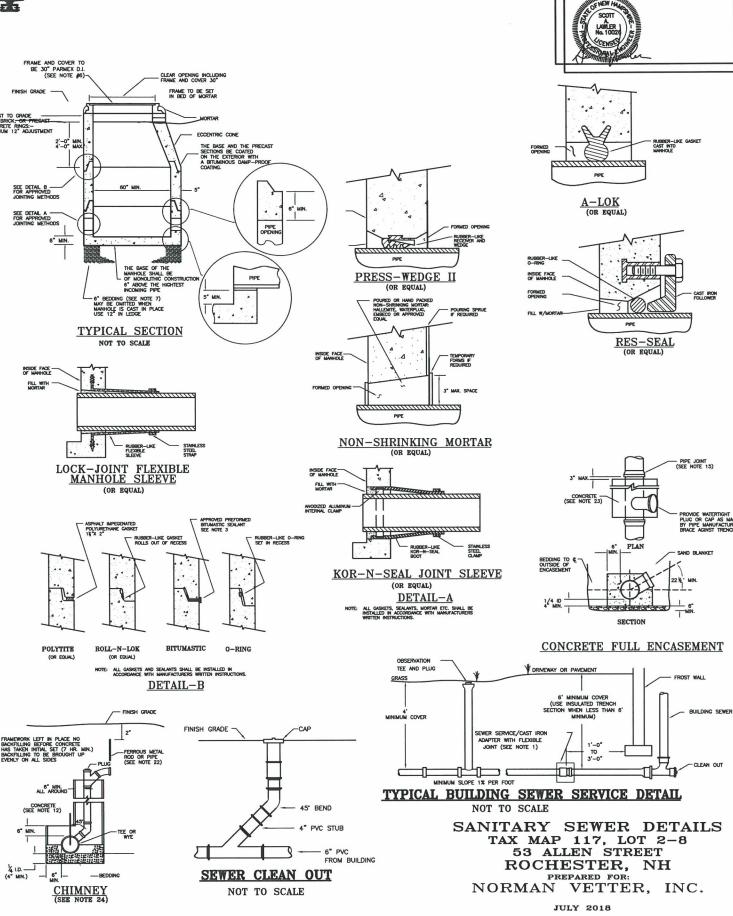
10.—58 PASS

MORTAR USED IN MANHOLE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING;
MORTAR SHALL RF COMPOSED OF TYPE II PORTLAND CEMENT AND SAND WITH OR WITHOUT HYDRATED LINE

CEMENT SHALL BE TYPE I PORTLAND COLUMNT THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTM C150/C150M STANDARD IN EFFECT AT THE TIME THE COLUMN WAS MANUFACTURED.

HYDRATED LINE SHALL BE TYPE S THAT IS CERTIFIED BY ITS MANUFACTURER AS CONFORMING TO THE ASTM C207 STANDARD IN EFFECT AT THE TIME THE PROPARED LINE WAS PROCESSED. SAND SHALL CONSIST OF INERT NATURAL SAND THAT IS CERTIFIED BY ITS SUPPLIER AS CONFORMING TO TH ASTIN C33 STANDARD IN EFFECT AT THE TIME THE SAND IS PROCESSED BY "STANDARD SPECIFICATIONS FOR CONCORDET BINE ACCORDATES"

POLYTITE



CIVIL ENGINEERS

PLAN NO. C-2917 DWG. NO. 18120/SP-1 INVERT DETAILS
NOT TO SCALE

LAND SURVEYORS

PERMANENT VEGETATION:

- SITE PREPARATION:

 1. INSTALL NEEDED EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILTATION BARRIERS, DIVERSIONS, AND SEDIMENT TRAPS.

 2. GRADE AS NEEDED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.

 3. RUNORF SHALL BE DIVERTED FROM THE SEEDBED AREA.

 4. ON SLOPES 4:1 OR STEEPER, THE FIRM, PREPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RINDING.

- EDBED PEPEARATION;

 WORK LINE AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OPERATION SHALL BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED SPREAPARD. ALL BUT CLAY AND SLIT SOILS SHALL BE ROLLED TO FIRM THE SEEDBED WHERVER FEASIBLE.

 REMOVE FROM THE SURFACE ALL STONES ZINCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUICH AS WIRE, CABLE, TREE ROOTS, CONCRETE CLOSS, LUMPS, TRASH OR OTHER UNSUTFAGE MATERIAL.

 1. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED; THE AREA MUST BE IILLED AND FRINZED AS ABOVE.

 4. REPORT OF SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED; THE AREA MUST BE IILLED AND FRINZED AS ABOVE.

 5. REPURCHES BEFORE AFFLYING FERTILIZER LUME AND SEEDONS, LOSSEN SOIL TO A BEFORE OF THE PROPERTY OF THE SECONDARY SHALL BE APPLIED DURING THE GROWING SEASON.

IF APPLICABLE, FERTILIZER AND ORGANIC SOIL AMENUMENTS SPINLE DE PETTOUR OF AMENUMENTS SPINLE DE PETTOUR OF AMENUMENTS SPINLE DE PETTOUR DE PETT

LIMESTONE APPLICATION RATE = 3 TONS/ACRE (138 LB./1,000-SF)*
*EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE

FERTILIZER APPLICATION RATE = 870 LB./ACRE (20 LB./1,000-SF)*
*LOW PHOSPHATE FERTILIZER (6-0-4) OR EQUIVALENT

- SEDING:

 1. INOCULATE ALL LEGUME SEED WITH THE CORRECT TYPE OF INOCULANT.

 2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE.

 3. WHERE FESSIBLE DECET WHERE EITHER CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS UNIFICATED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR CHARLES OF MITH LEGUMES. PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS FROM TO FROST. WHEN CROWN VETCH IS SEEDED IN LATE SUMMER AT LEAST 35% OF THE SEED SHALL BE HARD CROWN VETCH IS SEEDED IN LATE SUMMER AT LEAST 35% OF THE SEED SHALL BE HARD SEED. IN SEEDING CHARLES WHITH THE SEED SHALL BE HARD SEED. IN SEEDING WHITH THE SEED SHALL BE WISCOMED CATES.

 3. AREAS SEEDED BETWEEN MAY 15 AND AUGUST 15 SHALL BE COMPRED WITH THE NOT SEEDEN OF STRAW MULCHING. PRACTICE DESCRIBED IN THE NISSMA, VOL. 3. AND DELAY SEEDING UNITE. THE DISTURBED AREAS SHALL BE CARREST IN THE NISSMA, VOL. 3.

 4. VECTATED GROWTH OVERENCE ALL STEEDS OF THE DISTURBED AREA SHALL BE ACHIEVED A PERSON HEAVING TO STRAW MULCHING. PRACTICE DESCRIBED IN THE NISSMA, VOL. 3.

 5. VECTATED GROWTH OVERENCE ALL STEEDS OF THE DISTURBED AREA SHALL BE ACHIEVED A PERSON HEAVING TO STRAW MULCHING. PRACTICE DESCRIBED IN THE NISSMA, VOL. 3.

 5. THIS CONDITION IS NOT ACHIEVED, IMPLEMENT OTHER TEMPORARY STABILLIZETION HEAVING THE PROTECTION.

- PROSEEDING:
 WHEN HYDROSEEDING (HYDRAULIC APPLICATION), PREPARE THE SEEDBED AS SPECIFIED ABOVE OR BY HAND RANING TO LOOSEN AND SMOOTH THE SOIL AND REMOVE SURFACE STONES LARGER THAN 2 INCHES IN DUMBLETER.

 SLOPES BUST BE NO STEEPER THAN 2:1 (2 FEET HORIZONTALLY BY 1 FOOT VERTICALLY. LINE AND FERTILIZER MAY BE APPLIED SMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). BETTER PROTECTION IS CANDED BY USING STRAW MULCH AND HOLDING IT WITH ADHESINE MATERIALS OR SOO POUNDS PER ACRE OF WOOD FIBER MULCH.

 SEEDING RATES MUST BE MERCRESCED BY 100X WHEN HYDROSEDIMG.

- MAINTENINGE REQUIREMENTS:

 1. PERIAMPENT SEEDED AREAS SHALL BE INSPECTED AT LEXIT MONTHLY DURING THE COURSE OF CONSTRUCTION. INSPECTION, MAINTENANCE AND CORRECTIVE ACTIONS SHALL CONTINUE UNTIL THE OWNER ASSUMES PERIAMPENT OPERATION OF THE STELL AND AREAS SHALL BE RESEDED TO ACHEVE A HEALTHY STAND OF VECETATION. MOWING HEIGHT AND FREQUENCY DEPEND OF TYPE OF GRASS COVER.

 2. BASED ON INSPECTION, AREAS SHALL BE RESEDED TO ACHEVE FULL STABILIZATION OF EXPOSED SOILS. OF THE SOIL SURFACE SHALL BE COVERED BY VECETATION.

 4. AT A MINIMUM BOX OF EROSION OR SEDMENTATION IS APPARENT REPAIRS SHALL BE MADE AND AREAS SHALL BE MADE AND AREAS SHALL BE METERS THE AREA SHALL BE CAUSED BY VECETATION.

PERMANENT VEGETATION SEEDING RECOMMENDATIONS

DEEDIN	N TATE	COMMINITION	AIIO	110
USE	MIXTURE	SPECIES	LBS./ACRE	LBS./ 1,000-SF
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	۸	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	TALL FESCUE CREEPING RED FESCUE REDTOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
LIGHTLY USED PARKING LOTS, ODD AREAS, ODD AREAS, AND LOW INTENSITY RECREATION SITES	A	TALL FESCUE CREEPING RED FESCUE REDITOP TOTAL	20 20 2 42	0.45 0.45 0.05 0.95
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL ESSENTIAL FOR GOOD TURF)	F	CREEPING RED FESCUE KENTUCKY BLUEGRASS TOTAL	50 50 100	1.15 1.15 2.30
SUI IBUES:				

SOURCES:

1. NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3, TABLES
4-2 AND 4-3
2. MINNICK, E.L. AND H.T. MARSHALL, (AUGUST 1992)

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE BOTH NOT CONTAINED WITHIN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)—335—3948.

TEMPORARY VEGETATION:

- SECERCATIONS:
 SITE METALL RESED FORSION AND SEDIMENT CONTROL MEASURES SUCH AS SILIATION BARRIERS, DIVERSIONS, AND METALL RESED FOR THE ACCESS OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH AMCHORING, SEEDBED AREA.

 1. RUNGET SHALL BE DIVERTED FROM THE SEEDBED AREA.
 ON SERVED TO STEEDER, THE PRIME PREPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES ON SEEDS OF STEEDERS, THE PRIME PREPARATION SHALL INCLUDE CREATING HORIZONTAL GROOVES OF THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNGET.

- PERPENDICULAR O THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNOFF.

 SECREDED PREPARATION:

 1. STONES AND TRASH SHALL BE REMOVED SO AS NOT TO INTERFERE WITH THE SEEDING AREA.

 2. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.

 3. IF APPLICABLE, FETTILIZER AND ORGANIC SOIL AMEDIMENTS SHALL BE APPLIED DURING THE GROWING SEASON.

 4. APPLY LIMESTONE AND FETTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. FETTILIZER SHALL BE RESTRICTED TO LIME, WOOD ASH OR LOW PHOSPHAVE AND SLOW RELESES INTROCORY VARIETIES, ALL BE SOIL TEST WARRANTS OTHERWISE, IS SOIL TEST MARKANTS OTHERWISE, IS SOIL TESTING IS NOT FELSES INTROCORY VARIETIES, OR WHERE TIMING IS CRITICAL FETTILIZER AND LIMESTONE MAY BE APPLIED AT THE FOLLOMING RATES:

LIMESTONE APPLICATION RATE = 3 TONS/ACRE (138 LB./1,000-SF)*
*EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE

- INTENANCE REQUIREMENTS:
 TEMPORARY SEEDING SHALL BE INSPECTED WEEKLY AFTER ANY RAINFALL EXCEEDING 1/2 INCH IN 24 HOURS
 ON ACTIVE CONSTRUCTION SITES. TEMPORARY SEEDING SHALL BE INSPECTED JUST PRIOR TO SEPTEMBER 15,
 TO ASCERTIAN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE STABILIZATION OVER THE WINTER
- PERIOD.

 BASED ON INSPECTION, AREAS SHALL BE RESEEDED TO ACHIEVE FULL STABILIZATION OF EXPOSED SOILS. IF IT IS TOO LATE IN THE PLANTING SEASON TO APPLY ADDITIONAL SEED, THEN OTHER TEMPORARY STABILIZATION IF ANY EXPOSITION OF EXPOSED OF STABILIZATION IS APPRAEMT, REPAIRS SHALL BE MOSE AND AREAS SHALL BE RESEEDED, WITH OTHER TEMPORARY MEASURES (I.E. MULCH, ETC.) USED TO PROMOE EROSION PROTECTION DURING THE PERIOD OF VEGETATION ESTABLESHIPMT.

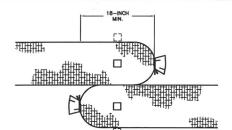
TEMPORARY VEGETATION SEEDING RECOMMENDATIONS

SPECIES	PER ACRE BUSHELS (BU) OR POUNDS (LBS.)	PER 1,000-SF	REMARKS					
WINTER RYE	2.5 BU OR 112 LBS.	2.5 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.					
OATS	2.5 BU OR 80 LBS.	2.0 LBS.	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15 FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.					
ANNUAL RYE GRASS	40 LBS.	1.0 LB.	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARMOES ARE IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15 AND SEPTEMBER 15. COVER THE SEED WITH NO MORE THAN 0.28 INCH OF SOIL.					
PERENNIAL RYE GRASS	30 LBS.	0.7 LBS.	BEST FOR FALL SEEDING. SEED FROM AUGUST 15 TO SEPTEMBER 15 FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.					
SOURCES: 1. NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 3, TABLE								

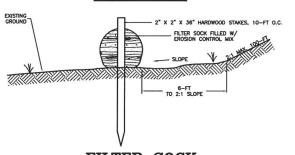
MINNICK, E.L. AND H.T. MARSHALL, (AUGUST 1992)

FILE NO. 210 PLAN NO. C-2917 DWG. NO. 18120/SP-1

CIVIL ENGINEERS



FILTER SOCK CONNECTION PLAN VIEW



FILTER SOCK CROSS-SECTION

CONTINUOUS CONTAINED BERM (FILTER SOCK ALTERNATIVE):

1. AM ALTERNATIVE PRODUCT, THE CONTINUOUS CONTAINED BERM (OR "FILTER SOCK") CAN BE AN EFFECTIVE SEDIMENT BARRIER AS IT ADDS CONTINUOUS TO STABILITY TO A BERM OF EROSION CONTROL MIX.

2. IN THE EVENT THAT USE OF CONTINUOUS CONTAINED BERM IS DESIRED, THE PRODUCT SELECTED SHOULD BE REVIEWED AND APPROVED BY THE DESIGN ENGINEER.

3. INSTALLATION OF CONTINUOUS CONTAINED BERMS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE MANUFACTURER.

MAINTENANCE REQUIREMENTS:

1. FILTER SOCK MAINTENANCE SHALL FOLLOW THE SAME SCHEDULE AS EROSION CONTROL MIX BERMS.

CONSTRUCTION SPECIFICATIONS:

OWNEROUS OF THE BROSSON CONTROL MIX SHALL EITHER BE THE SAME AS EROSION CONTROL MIX BERM
HERALL OR AS SPECIFIED BY THE FILTER SOCK MANUFACTURER.

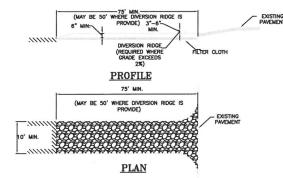
THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR.

IT MAY BE NECESSARY TO CUT TALL GRASSES AND WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES IN THE BARRIER THAT WOULD EMPLIE FINES TO WASH MUDRE THE BARRIER THROUGH THE GRASS BLADES OR PLANT STEMS.

FILTER SOCK DUMETER (HIGHT) SHALL BE PER THE MANUFACTURER RECOMMENDATION FOR THE AREA OF

CONTINUOUS CONTAINED BERM "FILTER SOCK" DETAIL

NOT TO SCALE



TEMPORARY CONSTRUCTION EXIT

NOT TO SCALE

ANTENANCE REQUIREMENTS:
WHEN THE CONTROL PAD BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED ALONG WITH THE
COLLECTED SOIL MATERIAL, REGRADED ON SITE, AND STABILIZED. THE ENTRANCE SHALL TEN BE
RECONSTRUCTED.
THE CONTROLTOR SHALL SWEEP THE PAVEMENT AT DOTTS WHENEVER SOIL MATERIALS ARE TRACKED
ONTO THE ADJACENT PAVEMENT OR TRAVELED WAY.
WHEN WHEEL MASHING IS REQUIRED, IT SHALL BE
CONDUCTED ON AN AREA STABILIZED WITH
AGGREGATE, WHICH DRAINS HOT AN APPROVED SHALL BE
PREVENTED PROM ENTERNOS STORM DERANS, DITCHES, OR WAITENAYS.

CONSTRUCTION SPECIFICATIONS:

1. THE MINIMUM STORE USED SHALL BE 3-INCH CRUSHED STONE.

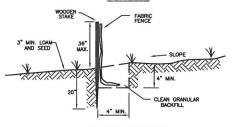
2. THE MINIMUM LENGTH OF THE PAD SHALL BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE

PROJECT SITE.
THE PAD SHALL BE THE FULL WIDTH OF CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS GREATER.

GREATER.
THE PAD SHALL SLOPE AWAY FROM THE EXISTING ROADWAY.
THE PAD SHALL BE AT LEAST 6 INCHES THICK.
THE GEOTESTILE FILTER FABRIC SHALL BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE
BELOW THE PAD.
THE PAD SHALL BE MANTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN
THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF-SITE.
MATURAL DRAWAGE THAT GROSSES THE LOCATION OF THE STONE PAD SHALL BE INTERCEPTED AND
PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.



PROFILE



CROSS-SECTION

<u>enance requirements;</u> Ences shall be inspected and maintained immediately after each rainfall and at least daily during prolonged

- LEGICES SHALL BE INSPECTED AND MANTANED IMMEDIATELY AFTER EACH RAINFALL AND AT LEST DALY DURING PROLONGED RAINFALLS;
 SEDIMENT DEPOSITION SHALL BE REMOVED, AT A MINIMUM, WHEN DEPOSITION ACCUMULATES TO ONE-HULF THE HEIGHT OF THE REPICE, AND MOVED TO AN APPROPRIATE LOCATION SO THE SEDIMENT IS NOT REJOLLY TRANSPORTED BACK TOWNED THE SLIT FENCE. SLIL FENCES SHALL BE REPINED THE PLACE TOWNED THE SLIT FENCE FOR A STATE OF REPOSITION OF EACH OF THE BACK TOWNED BELOW THE SLIT FENCE SHALL BE REPOSITED THE AREA OF THE SHALL BE REPOSITED THE AREA OF THE END OF THE EDG OF THE EDG OF THE SHALL BE REPOSITED WHAT A TEMPORARY CHECK DAM.

 SHALL THE FARRIC ON A SILT FENCE ECCOMPOSE OR BECOME INSTFECTIVE PRIOR TO THE END OF THE EDFECTED USABLE LIFE AND THE BARRIER STALL BE RESENTED SHALL BE DRESSED TO CONFORM TO THE BARRIER STALL BE DRESSED TO CONFORM TO THE BARRIER STALL BE DRESSED TO CONFORM TO THE BARRIER SHALL BE DRESSED TO CONFORM TO THE BARRIER SHALL BE DRESSED TO CONFORM TO THE THE SHALL BE DRESSED. SHALL BE DRESSED TO CONFORM TO THE THE SHALL BE DRESSED TO CONFORM TO THE THE SHALL BE DRESSED. THE SHALL BE DRESSED TO CONFORM TO THE THE SHALL BE DRESSED TO CONFORM TO THE THE SHALL BE DRESSED. SHALL BE REPLACING THEM WITH OTHER MACKAINES, SUCH AS TELEFORMY DIVERSIONS AND SEDIMENT TRAPS.

 SILT FENCES WHAT A LISTED LIFE OF ONE SEASON, ON LONGER CONSTRUCTION PROJECTS, SILT FENCE SHALL BE REPAIRED PERSONOLALLY AS REQUIRED TO MAINTAIN EFFECTIVENESS.

- MIT OTHER MESSURES. SUCH AS TEMPORARY DIVERSIONS AND SEMILARY TRUES.

 SILT PECCES HAVE A USED LUT OF ONE SEXERCY, ON LONGER CONSTRUCTION PROJECTS, SILT PENCE SHALL BE REPAIRED

 CONSTRUCTION SPECIFICATION.

 FERNORS SHALL BE USED IN SHALL WERE EXCEDION WILL COCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONSTRUCTION SPECIFICATION.

 FERNORS SHALL BE USED IN SHALL WERE EXCEDION WILL COCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONTRIBUTION OF SHEET EROSION AND THERE IS NO CONTRIBUTION.

 THE MAXIMUM CONTRIBUTION OF THE CONTRIBUTION DEPARAGE WAY ARONG THE FERICE. SEDMENT BARRIERS SHALL BE INSTALLED PRORT TO ANY SOLID INSTRUMENCE OF THE CONTRIBUTION DEPARAGE AREA ABOUT THE FIRED.

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE LOTED.

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE LOTED.

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE LOTED.

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE MAXIMUM SLOPE ABOVE THE FIRED SHALL BE 211:

 1. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 4 INCHES IN DEPTH AND INCHES IN WITH IN A TRENCH EXCHARTED INTO THE FORM OF THE FABRE OF THE CONTROL OF THE FIRED SHALL BE CONTROL OF THE FIRED.

 1. THE FABRIC SHALL BE EMBEDDED WITH A MINIMUM OF 4 INCHES IS DEPTH AND INCHES IN WITH IN A TRENCH EXCHARTED INTO THE FABRE SHALL BE CONTROL OF THE FIRED.

 1. THE FABRIC SHALL BE EMBEDDED WITH A MINIMUM PHICKNESS OF 8 INCHES OF THE FIRED.

 2. ALDIONING SECTIONS OF THE FIRED. SHALL BE COMERLED FABRIC.

 3. THE FIRED HAS ABOVE THE SHALL BE COMERLED FABRIC.

 4. THE FIRED HAS ABOVE THE SHALL BE COMERLED FABRIC.

 5. SLIT THE BED DISCORD OF THE FIRED. SHALL BE CONTROL OF THE FIRED.

 5. THE FILES FABRIC SHALL BE ASSEDDED OF MALLE DISCORDED FABRIC.

 5. THE FILES FABRIC SHALL BE ASSEDDED OF MALLE DISCORDED FABRIC.

 5. THE FILES

SILTATION CONTROL FENCE DETAIL NOT TO SCALE

EROSION CONTROL DETAILS TAX MAP 117, LOT 2-8 53 ALLEN STREET ROCHESTER, NH PREPARED FOR: NORMAN VETTER, INC. JULY 2018

LAND SURVEYORS CIVIL ENGINEERS LEGEND CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITHIN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)—335—3948. EXISTING OVERHEAD WIRES EXISTING LIGHT POLES PROPOSED BUILDING PROPOSED PAVEMENT PROPOSED PAVEMENT WITH CURBING PROPOSED LIGHT POLES PROPOSED BUILDING LIGHT FIXTURES PROPOSED LIGHT ISOILLUMUNATION LINES THE SOURCE FOR ALL THINGS L.E.D. PRV PREVAIL BY EATON LIGHTING POLE MOUNTED FIXTURE GWC GALLEON WALL LUMINAIRE BY EATON LIGHTING WALL MOUNTED FIXTURE 11/1/1 LIGHTING PLAN TAX MAP 117, LOT 2-8 53 ALLEN STREET ROCHESTER, NH PREPARED FOR: NORMAN VETTER, INC. JULY 2018 FILE NO. 210 PLAN NO. C-2917 (IN FEET) 1 INCH = 40 FEET DWG. NO. 18120/SP-1

NORWAY PLAINS ASSOCIATES, INC. I

31 Mooney Street, Alton, N.H. 603-875-3948

L-1



Client:

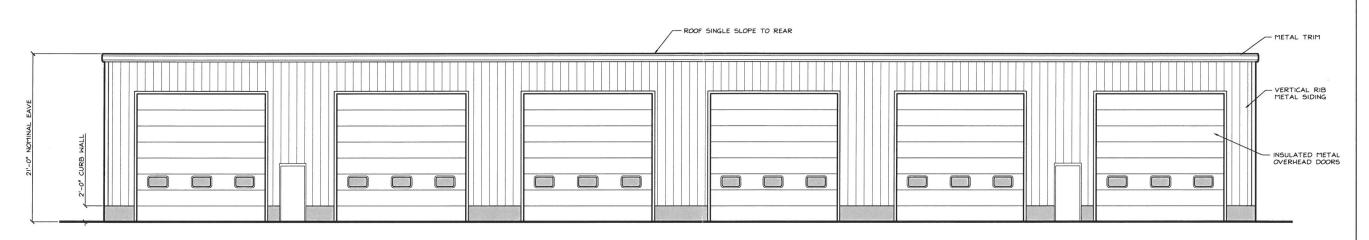
Norm Vetter

Metal Buildings - Front Elevations Rochester, NH

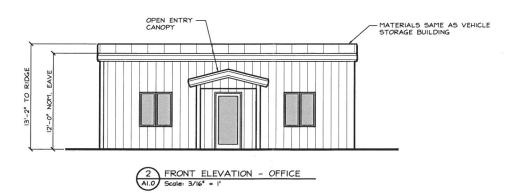
Date: 8-17-18 Scale: As Noted Design By: RB Approved By: -

Revisions

Front Elevations



I FRONT ELEVATION - VEHICLE STORAGE BUILDING
Scale: 3/16" = 1"



			* *