PREPARED FOR

SEACOAST MENTAL HEALTH CENTER C.O. DAN YOUNG 1145 SAGAMORE AVENUE PORTSMOUTH, NH 03801

RESOURCE LIST

PLANNING/ZONING DEPARTMENT

10 FRONT STREET
EXETER, NH 03833

603-773-6112
DAVE SHARPLES. TOWN PLANNER

BUILDING DEPARTMENT

10 FRONT STREET EXETER, NH 03833 603-773-6112

DOUGLAS EASTMAN, BUILDING INSPECTOR

PUBLIC WORKS

13 NEWFIELDS ROAD
EXETER, NH 03833

603-418-6450
JENNIFER R. PERRY, PE, DIRECTOR

POLICE DEPARTMENT
20 COURT STREET
EXETER, NH 03833
603-772-1212
STEPHAN POULIN, CHIEF

FIRE DEPARTMENT
20 COURT STREET
EXETER, NH 03833
603-773-6131

BRIAN COMEAU, CHIEF

ASSOCIATED PROFESSIONALS

MARKET SQUARE ARCHITECTS, PLLC 104 CONGRESS STREET #203 PORTSMOUTH, NH 03801

603-501-0202

ADAM WAGNER, AIA

TRAFFIC ENGINEER

STEPHEN G. PERNAW & COMPANY, INC. P.O. BOX 1721 CONCORD, NH 03302 603-731-8500

LIGHTING DESIGNER

CHARRON, INC.
40 LONDONDERRY TURNPIKE, #1
HOOKSETT, NH 03106
KEN SWEENEY

STEPHEN G. PERNAW, PE, PTOE

SURVEYOR TEMORAN IN

TFMORAN, INC.
170 COMMERCE WAY, SUITE 102
PORTSMOUTH, NH 03801
J. COREY COLWELL, LLS

ABUTTERS

TAX MAP 65, LOT 146 SMHC RESOURCE GROUP, INC. 1145 SAGAMORE AVENUE PORTSMOUTH, NH 03801

TAX MAP 65, LOT 131 EXETER HOSPITAL, INC. 5 ALUMNI DRIVE, SUITE 205 EXETER, NH 03833

TAX MAP 65, LOT 136 CHATHAM EXETER HAS, LLC C/O CHATHAM LODGING TRUST 222 LAKEVIEW AVENUE, SUITE 200 WEST PALM BEACH, FL 33401

TAX MAP 65, LOT 138 KIMBERLY A. MONTGOMERY 14 HIGHLAND STREET EXETER, NH 03833

TAX MAP 65, LOT 138-1 RIADH & RACHEL TRABELSI 12 HIGHLAND STREET EXETER, NH 03833

TAX MAP 65, LOT 142
10 HIGHLAND STREET, LLC.
65 SOUTH ELM STREET
MANCHESTER, NH 03103

TAX MAP 65, LOT 143
RIPEL REALTY, LLC
11 PLEASANT STREET
EXETER, NH 03833

TAX MAP 65, LOT 144

FELBER FAMILY REVOCABLE TRUST

FELBER MICHAEL J &

PAMELA W TEES

24 HIGHLAND STREET

EXETER, NH 03833

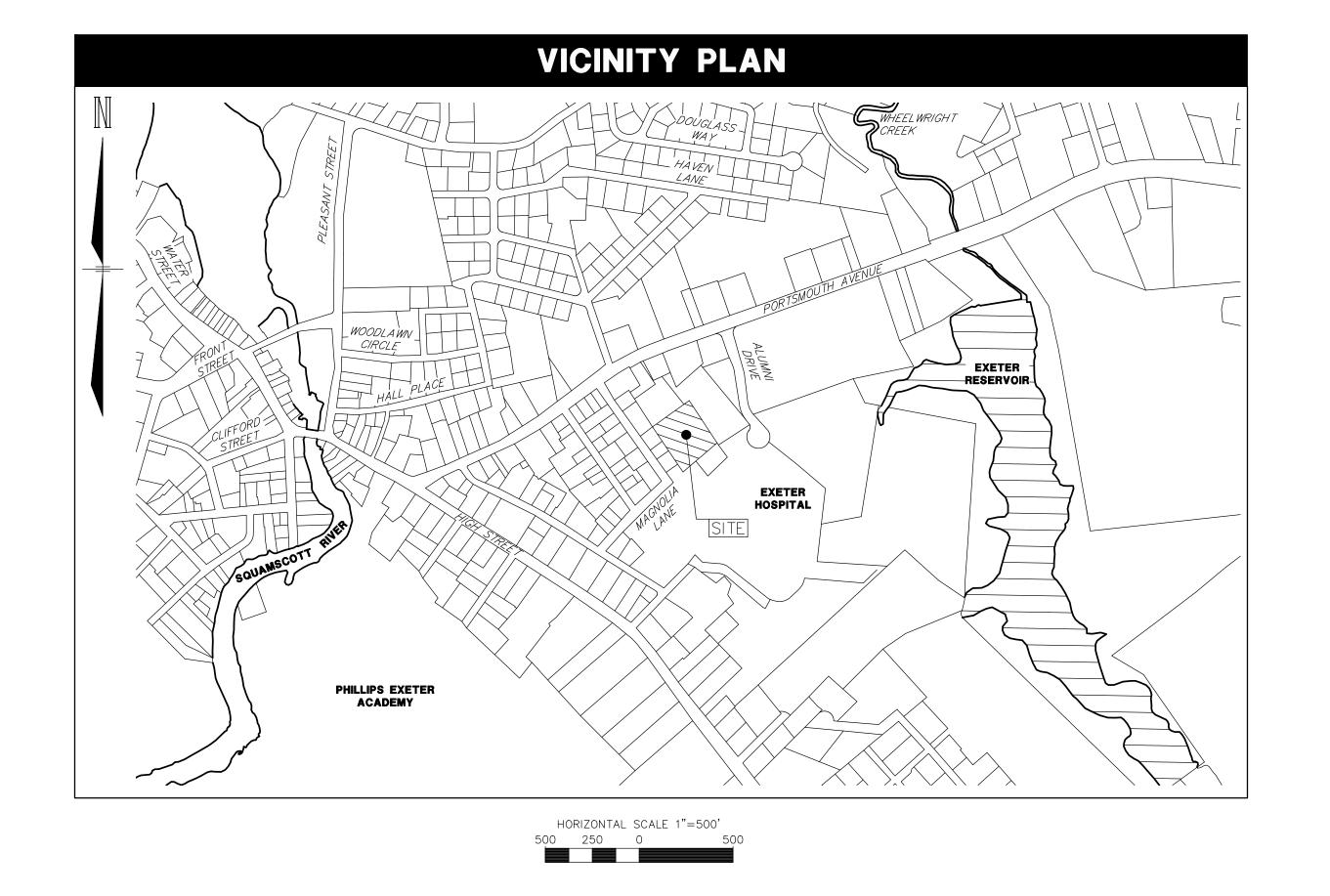
TAX MAP 65, LOT 145
TROY LEEDBERG
26 HIGHLAND STREET
EXETER, NH 03833

TAX MAP 65, LOT 147
TOWN OF EXETER
10 FRONT STREET
EXETER, NH 03833

PROPOSED BUILDING ADDITION

30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE

FEBRUARY 25, 2020 (LAST REVISED AUGUST 6, 2020)



INDEX OF SHEETS

SHEET	SHEET TITLE
C-01	COVER
C-02	NOTES & LEGEND
C-03	EXISTING CONDITIONS PLAN
C-04	AERIAL PLAN
C-05	SITE PREPARATION PLAN
C-06	SITE LAYOUT PLAN
C-07	GRADING & DRAINAGE PLAN
C-08	LANDSCAPE PLAN
C-09	LANDSCAPE DETAILS
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C-11	TRUCK MOVEMENT PLAN
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C-13 - C16	DETAILS
	C-02 C-03 C-04 C-05 C-06 C-07 C-08 C-09 C-10 C-11 C-12

REFERENCE PLANS BY ASSOCIATED PROFESSIONALS

A1.00 - A2.00 ARCHITECTURAL ELEVATION PLAN (BY MARKET SQUARE ARCHITECTS)

PERMITS/APPROVALS NUMBER APPROVED EXPIRES TOWN SITE PLAN REVIEW PENDING TOWN VARIANCE 19-06 4/16/2019 4/16/2021

VARIANCES

THE FOLLOWING VARIANCES HAVE BEEN GRANTED BY THE TOWN OF EXETER ZONING BOARD OF ADJUSTMENT:

1. TOWN OF EXETER ZONING ORDINANCE ARTICLE 5, SECTION 5.1.2 A. & B. —

EXPANSION OF A NON—CONFORMING USE

APPROVED BY THE TOWN OF EXETER PLANNING BOARD

/		
DARD MEMBER	 	4 <i>ND</i>
DARD MEMBER		

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

COVER

PROPOSED BUILDING ADDITION
30 MAGNOLIA LANE
EXETER, NEW HAMPSHIRE

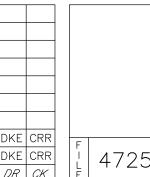
OWNED BY/PREPARED FOR SEACOAST MENTAL HEALTH CENTER

RESOURCE GROUP, INC.

FEBRUARY 25, 2020

2 8/6/2020 REVISIONS PER ADDITIONAL COMMENTS
1 4/8/2020 REVISIONS PER ENGINEERING & TOWN COMMENTS DKE CRR

REV. DATE DESCRIPTION DR CK



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors

Landscape Architects
Scientists

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CONTACT DIG SAFE 72 BUSINESS

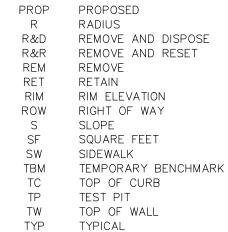
THESE PLANS ARE PERMIT DRAWINGS ONLY AND HAVE NOT BEEN DETAILED FOR CONSTRUCTION OR BIDDING.

BITUMINOUS INFILTRATION TEST BOOK & PAGE LENGTH BLDG BUILDING LINEAR FEET BS BOTTOM OF SLOPE LSA LANDSCAPE AREA BOTTOM OF WALL MAX BW MAXIMUM CONCRETE MINIMUM COORD COORDINATE NOW OR FORMERLY DIA DIAMETER NOT TO SCALE ELEV ELEVATION OC ON CENTER EDGE OF PAVEMENT PERF PERFORATED

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UNDERGROUND

WITH

UG

WCR

ACCESSIBLE WHEELCHAIR RAMP

DCB DOUBLE CATCH BASIN DIP DUCTILE IRON PIPE DMH DRAIN MANHOLE F&C FRAME AND COVER F&G FRAME AND GRATE FES FLARED END SECTION GT GREASE TRAP HDPE НН HANDHOLE HWHEADWALL HYD HYDRANT LIGHT POLE OCS OUTLET CONTROL STRUCTURE OIL WATER SEPARATOR OWS PVC POLYVINYL CHLORIDE PIPE RCP REINFORCED CONCRETE PIPE RD ROOF DRAIN SEWER MANHOLE

UTILITY POLE

GENERAL NOTES

- 1. THESE PLANS ARE PERMIT DRAWINGS ONLY AND HAVE NOT BEEN DETAILED FOR CONSTRUCTION OR BIDDING.
- 2. THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. TFMORAN, INC. ASSUMES NO LIABILITY AS A RESULT OF ANY CHANGES OR NON-CONFORMANCE WITH THESE PLANS EXCEPT UPON THE WRITTEN APPROVAL OF THE
- 3. ALL IMPROVEMENTS SHOWN ON THE SITE PLAN SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PLAN BY THE PROPERTY OWNER AND ALL FUTURE PROPERTY OWNERS. NO CHANGES SHALL BE MADE TO THIS SITE PLAN WITHOUT THE EXPRESS APPROVAL OF THE TOWN OF EXETER PLANNING DEPARTMENT.
- 4. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF EXETER, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ALL WORK TO CONFORM TO TOWN OF EXETER DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS. ALL WORK WITHIN THE RIGHT-OF-WAY OF THE TOWN AND/OR STATE SHALL COMPLY WITH APPLICABLE STANDARDS. COORDINATE ALL WORK WITHIN THE RIGHT-OF-WAY WITH APPROPRIATE TOWN, COUNTY, AND/OR STATE AGENCY.
- 5. AN ALTERATION OF TERRAIN PERMIT IS NOT REQUIRED PER ENV-WQ 1503.02. THE SITE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF NHDES ENV-WQ 1500 OR AS APPLICABLE.
- 6. SEE EXISTING CONDITIONS PLAN FOR BENCHMARK INFORMATION. VERIFY TBM ELEVATIONS
- PRIOR TO CONSTRUCTION.
- 7. CONTACT EASEMENT OWNERS PRIOR TO COMMENCING ANY WORK WITHIN THE EASEMENTS. 8. PRIOR TO COMMENCING ANY SITE WORK ALL LIMITS OF WORK SHALL BE CLEARLY MARKED
- 9. SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS, NOT ALL FEATURES
- ARE DETAILED ON EVERY PLAN. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN
- 10. TFMORAN, INC. ASSUMES NO LIABILITY FOR WORK PERFORMED WITHOUT AN ACCEPTABLE PROGRAM OF TESTING AND INSPECTION AS APPROVED BY THE ENGINEER OF RECORD.
- 11. TEMPORARY FENCING SHALL BE PROVIDED AND COVERED WITH A FABRIC MATERIAL TO CONTROL DUST MITIGATION.
- 12. ALL DEMOLITION SHALL INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKWAYS, AND ANY OTHER ADJACENT OPERATING FACILITIES. PRIOR WRITTEN PERMISSION FROM THE OWNER/DEVELOPER AND LOCAL PERMITTING AUTHORITY IS REQUIRED IF CLOSURE/OBSTRUCTIONS TO ROADS, STREET, WALKWAYS, AND OTHERS IS DEEMED NECESSARY. CONTRACTOR TO PROVIDE ALTERNATE ROUTES AROUND CLOSURES/OBSTRUCTIONS PER LOCAL/STATE/FEDERAL REGULATIONS
- 13. REFER TO ARCHITECTURAL PLANS FOR LAYOUT OF BUILDING FOUNDATIONS AND CONCRETE ELEMENTS WHICH ABUT THE BUILDING SUCH AS STAIRS, SIDEWALKS, LOADING DOCK RAMPS, PADS, AND COMPACTOR PADS. DO NOT USE SITE PLANS FOR LAYOUT OF FOUNDATIONS.
- 14. IN THE EVENT OF A CONFLICT BETWEEN PLANS, SPECIFICATIONS, AND DETAILS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
- 15. IF CONDITIONS AT THE SITE ARE DIFFERENT THAN SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
- 16. CONTRACTOR'S GENERAL RESPONSIBILITIES:
- A. BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS, AND STANDARDS.
- B. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OF PROPOSED LAYOUT AND/OR EXISTING FEATURES.
- C. EMPLOY A LICENSED SURVEYOR TO DETERMINE ALL LINES AND GRADES AND LAYOUT OF SITE ELEMENTS AND BUILDINGS.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE TO BECOME FAMILIAR WITH THE SITE AND ALL SURROUNDING CONDITIONS. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
- E. TAKE APPROPRIATE MEASURES TO REDUCE, TO THE FULLEST EXTENT POSSIBLE, NOISE, DUST AND UNSIGHTLY DEBRIS. CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR CONSTRUCTION, EXETER, NEW HAMPSHIRE".
- F. MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY WORK AT ALL TIMES.
- G. IN ACCORDANCE WITH RSA 430:53 AND AGR 3800, THE CONTRACTOR SHALL NOT TRANSPORT INVASIVE SPECIES OFF THE PROPERTY, AND SHALL DISPOSE OF INVASIVE SPECIES ON-SITE IN A LEGAL MANNER.
- H. COORDINATE WITH ALL UTILITY COMPANIES AND CONTACT DIGSAFE (811 OR 888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR TO ALSO CONTACT THE TOWN OF EXETER DEPARTMENT OF PUBLIC WORKS (603-773-6157) IN ORDER TO LOCATE WATER, SEWER AND DRAINAGE.
- I. PROTECT NEW AND EXISTING BURIED UTILITIES DURING INSTALLATION OF ALL SITE ELEMENTS. DAMAGED UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL
- J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY TFMORAN, INC., DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE US OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
- K. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
- VERIFY LAYOUT OF PROPOSED BUILDING FOUNDATIONS WITH ARCHITECT AND THAT PROPOSED FOUNDATION MEETS PROPERTY LINE SETBACKS PRIOR TO COMMENCING ANY
- M. PROVIDE AN AS-BUILT PLAN AT THE COMPLETION OF THE PROJECT TO THE TOWN PLANNER AND PER TOWN REGULATIONS. THE AS-BUILT PLAN SHALL BE IN NH STATE PLANE COORDINATES.
- N. IF ANY DEVIATIONS FROM THE APPROVED PLANS AND SPECIFICATIONS HAVE BEEN MADE, THE SITE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS STAMPED BY A LICENSED SURVEYOR OR QUALIFIED ENGINEER ALONG WITH A LETTER STAMPED BY A QUALIFIED ENGINEER DESCRIBING ALL SUCH DEVIATIONS, AND BEAR ALL COSTS FOR PREPARING AND FILING ANY NEW PERMITS OR PERMIT AMENDMENTS THAT MAY BE
- O. AT COMPLETION OF CONSTRUCTION, THE SITE CONTRACTOR SHALL PROVIDE A LETTER TO THE TOWN CODE ENFORCEMENT OFFICER AND TOWN PLANNING DEPARTMENT CERTIFYING THAT THE PROJECT WAS COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND A LETTER STAMPED BY A QUALIFIED ENGINEER THAT THEY HAVE OBSERVED ALL UNDERGROUND DETENTION SYSTEMS, INFILTRATION SYSTEMS, OR FILTERING SYSTEMS PRIOR TO BACKFILL, AND THAT SUCH SYSTEMS CONFORM TO

GRADING NOTES

- 1. THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF NHDES ENV-WQ 1500 AS APPLICABLE.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK THE ACCURACY OF THE TOPOGRAPHY AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO ANY EARTHWORK BEING PERFORMED ON THE SITE. NO CLAIM FOR EXTRA WORK WILL BE CONSIDERED FOR PAYMENT AFTER EARTHWORK HAS COMMENCED
- 3. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION ABOUT SOIL AND GROUNDWATER CONDITIONS. THE CONTRACTOR SHALL FOLLOW THE GEOTECHNICAL
- 4. COORDINATE WITH STRUCTURAL PLANS FOR SITE PREPARATION AND OTHER BUILDING INFORMATION.
- 5. COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILED GRADING AT BUILDING, AND SIZE
- LIMITS OF WORK ARE SHOWN AS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE ALL WORK TO PROVIDE SMOOTH TRANSITIONS. THIS INCLUDES GRADING, PAVEMENT, CURBING,
- 7. THE CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE FREE OF LOW SPOTS AND PONDING AREAS. CRITICAL AREAS INCLUDE BUILDING ENTRANCE, RAMPS AND LOADING
- SHALL NOT POND WATER DEEPER THAN 1/4" FOR A PERIOD OF MORE THEN 15 MINUTES
- 10. ALL SIDEWALK AND OTHER CURB REVEALS SHALL BE 6" WITH A TOLERANCE OF PLUS OR MINUS 3/8". WHERE SIDEWALK IS TO BE FLUSH, THE PAVEMENT REVEAL SHALL BE 1/4"
- 12. ADJUST ALL MANHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO
- 13. ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS AND SHALL MEET LOCAL STANDARDS AND THE REQUIREMENTS OF THE LATEST NHDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION AND THE NHDOT STANDARD STRUCTURE DRAWINGS UNLESS OTHERWISE
- ON THE PLANS. CONSTRUCTION METHODS SHALL CONFORM TO NHDOT STANDARD SPECIFICATIONS, SECTION 603. CATCH BASINS AND DRAIN MANHOLES SHALL CONFORM TO SECTION 604. ALL CATCH BASIN GRATES SHALL BE TYPE B AND CONFORM TO NHDOT STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
- 16. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4"

17. DENSITY REQUIREMENTS: MINIMUM DENSITY*

95% BELOW PAVED OR CONCRETE AREAS TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL 95%

*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C. FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556 OR ASTM D-6938.

- CONSTRUCTED IN ACCORDANCE WITH SECTION 9.5 GRADING, DRAINAGE, AND EROSION & SEDIMENT CONTROL AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC UTILITIES IN EXETER, NEW HAMPSHIRE.
- 19. THE CONTRACTOR MUST OBTAIN A VALID UTILITY PIPE INSTALLER'S LICENSE AND THE JOB SUPERVISOR OR FOREMAN MUST BE CERTIFIED BY THE TOWN PRIOR TO WORKING ON ANY WATER, SEWER, OR DRAINAGE PIPES THAT ARE IN A TOWN STREET OR RIGHT OF WAY, OR THAT WILL CONNECT OR MAY BE CONNECTED TO A TOWN WATER. SEWER. OR DRAINAG ALL TIMES DURING CONSTRUCTION OF THESE UTILITIES.

8/6/2020 REVISIONS PER ADDITIONAL COMMENTS

REV. DATE

4/8/2020 REVISIONS PER ENGINEERING & TOWN COMMENTS DKE CRR

DESCRIPTION

DR CK

UTILITY NOTES

1. ALL UTILITY SERVICES TO BUILDING ADDITION TO BE PROVIDED INTERNALLY FROM EXISTING

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

NOTES & LEGEND

PROPOSED BUILDING ADDITION **30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE**

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

FEBRUARY 25, 2020



vil Engineers Structural Engineers raffic Engineers _and Surveyors andscape Architects

48 Constitution Drive Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

DR DKE FB C - 02CK CRR CADFILE

CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

TSV

HIGH DENSITY POLYETHYLENE PIPE

TAPPING SLEEVE, VALVE, AND BOX

THE APPROVED PLANS AND SPECIFICATIONS.

ENGINEERS RECOMMENDED METHODS TO ADDRESS ANY SOIL AND GROUNDWATER ISSUES THAT ARE FOUND ON SITE

AND LOCATION OF ALL BUILDING SERVICES.

SIDEWALKS, AND ALIGNMENTS.

8. THE SITE SHALL BE GRADED SO ALL FINISHED PAVEMENT HAS POSITIVE DRAINAGE AND

9. ALL ELEVATIONS SHOWN AT CURB ARE TO THE BOTTOM OF CURB UNLESS OTHERWISE NOTED. CURBS HAVE A 6" REVEAL UNLESS OTHERWISE NOTED.

WITH A TOLERANCE OF 1/8". 11. THE FINISHED GRADE AT BOTTOM OF ALL ACCESSIBLE RAMPS SHALL BE FLUSH WITH

PAVEMENT WITH A TOLERANCE OF PLUS OR MINUS 1/4".

FINISH GRADE PRIOR TO INSTALLATION OF FINISHED PAVEMENT.

14. STORMWATER DRAINAGE SYSTEM SHALL BE CONSTRUCTED TO LINE AND GRADE AS SHOWN

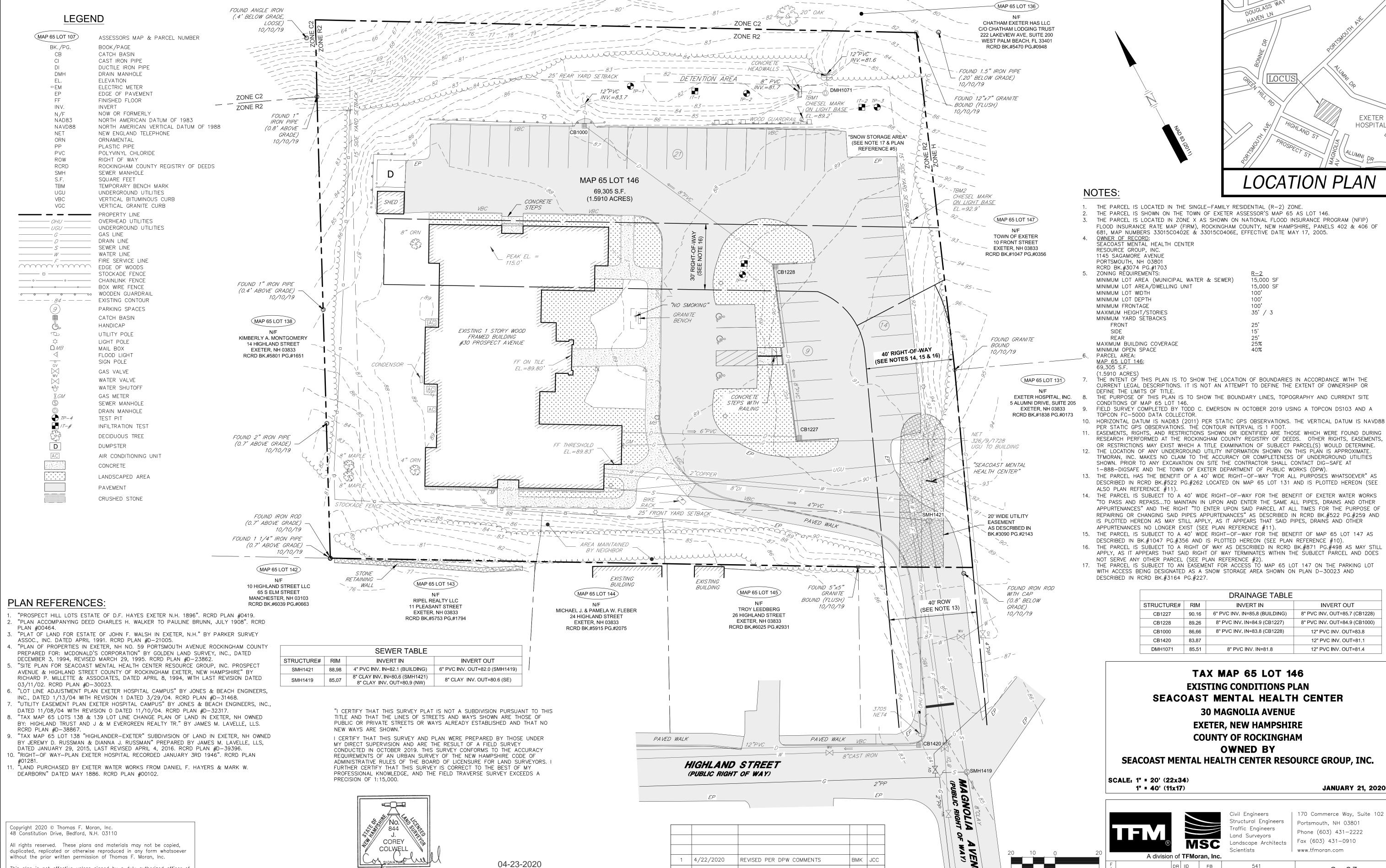
15. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE

LOAM, SEED, FERTILIZER AND MULCH.

BELOW LOAM AND SEED AREAS

18. ALL WATER, SEWER, ROAD (INCLUDING PARKING LOT), AND DRAINAGE WORK SHALL BE

SYSTEM. A LICENSED SUPERVISOR OR FOREMAN MUST BE PRESENT AT THE JOB SITE AT



DR CK

DESCRIPTION

REV. DATE

LICENSED LAND SURVEYOR

DATE

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「homas F. Moran, Inc.

Graphic Scale in Feet

170 Commerce Way, Suite 102 Portsmouth, NH 03801 Phone (603) 431-2222 Fax (603) 431-0910 www.tfmoran.com

JANUARY 21, 2020

INVERT OUT

HOSPITAL

C - 03CK BMK CADFILE

THE PURPOSE OF THIS PLAN IS TO USE AERIAL IMAGERY TO SHOW THE APPROXIMATE LOCATION OF EXISTING FEATURES WITHIN 200' OF THE SITE.

HORIZONTAL SCALE 1"=40'
40 20 0 4

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

AERIAL PLAN

PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

1"=80' (11"X17") SCALE: 1"=40' (22"X34")

FEBRUARY 25, 2020



Structural Engineers

48 Constitution Drive Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

47255.01 DR DKE FB CK CRR CADFILE C - 04

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Prospect St

Prospect St

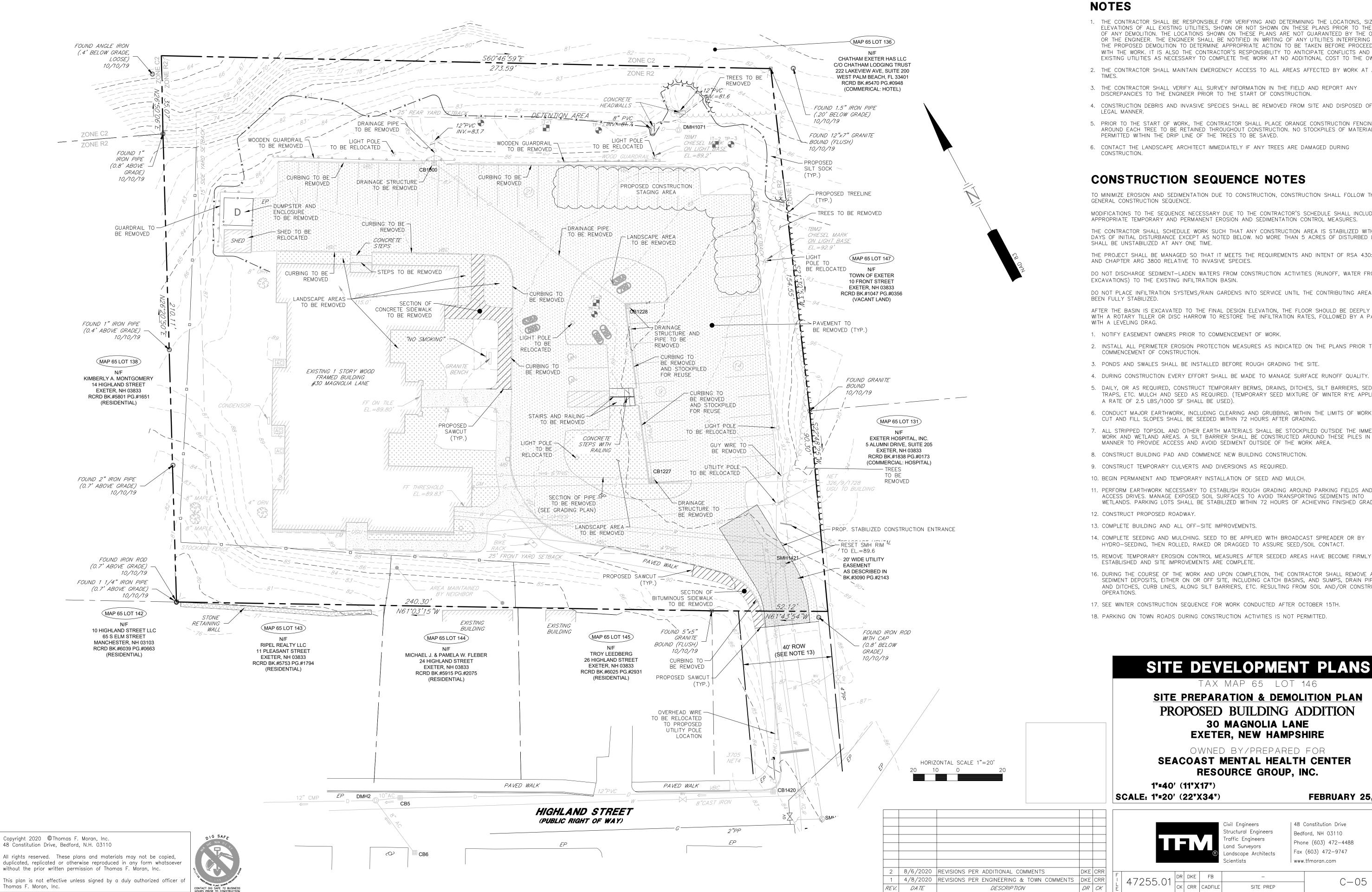
8/6/2020 REVISIONS PER ADDITIONAL COMMENTS

4/8/2020 REVISIONS PER ENGINEERING & TOWN COMMENTS DKE CRR

DATE

DESCRIPTION

DR CK REV. DATE



- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATIONS, SIZE, AND ELEVATIONS OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS PRIOR TO THE START OF ANY DEMOLITION. THE LOCATIONS SHOWN ON THESE PLANS ARE NOT GUARANTEED BY THE OWNER OR THE ENGINEER. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED DEMOLITION TO DETERMINE APPROPRIATE ACTION TO BE TAKEN BEFORE PROCEEDING WITH THE WORK. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ANTICIPATE CONFLICTS AND REPAIR EXISTING UTILITIES AS NECESSARY TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
- 2. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY WORK AT ALL
- 3. THE CONTRACTOR SHALL VERIFY ALL SURVEY INFORMATION IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 4. CONSTRUCTION DEBRIS AND INVASIVE SPECIES SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A
- 5. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PLACE ORANGE CONSTRUCTION FENCING AROUND EACH TREE TO BE RETAINED THROUGHOUT CONSTRUCTION. NO STOCKPILES OF MATERIAL ARE PERMITTED WITHIN THE DRIP LINE OF THE TREES TO BE SAVED.
- 6. CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY IF ANY TREES ARE DAMAGED DURING

CONSTRUCTION SEQUENCE NOTES

TO MINIMIZE EROSION AND SEDIMENTATION DUE TO CONSTRUCTION, CONSTRUCTION SHALL FOLLOW THIS GENERAL CONSTRUCTION SEQUENCE.

MODIFICATIONS TO THE SEQUENCE NECESSARY DUE TO THE CONTRACTOR'S SCHEDULE SHALL INCLUDE APPROPRIATE TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES.

THE CONTRACTOR SHALL SCHEDULE WORK SUCH THAT ANY CONSTRUCTION AREA IS STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE EXCEPT AS NOTED BELOW. NO MORE THAN 5 ACRES OF DISTURBED LAND SHALL BE UNSTABILIZED AT ANY ONE TIME.

THE PROJECT SHALL BE MANAGED SO THAT IT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER ARG 3800 RELATIVE TO INVASIVE SPECIES.

DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE EXISTING INFILTRATION BASIN.

DO NOT PLACE INFILTRATION SYSTEMS/RAIN GARDENS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE THE INFILTRATION RATES, FOLLOWED BY A PASS

- 1. NOTIFY EASEMENT OWNERS PRIOR TO COMMENCEMENT OF WORK.
- 2. INSTALL ALL PERIMETER EROSION PROTECTION MEASURES AS INDICATED ON THE PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 3. PONDS AND SWALES SHALL BE INSTALLED BEFORE ROUGH GRADING THE SITE.
- 5. DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT BARRIERS, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED. (TEMPORARY SEED MIXTURE OF WINTER RYE APPLIED AT A RATE OF 2.5 LBS/1000 SF SHALL BE USED).
- 6. CONDUCT MAJOR EARTHWORK, INCLUDING CLEARING AND GRUBBING, WITHIN THE LIMITS OF WORK. ALL CUT AND FILL SLOPES SHALL BE SEEDED WITHIN 72 HOURS AFTER GRADING.
- 7. ALL STRIPPED TOPSOIL AND OTHER EARTH MATERIALS SHALL BE STOCKPILED OUTSIDE THE IMMEDIATE WORK AND WETLAND AREAS. A SILT BARRIER SHALL BE CONSTRUCTED AROUND THESE PILES IN A MANNER TO PROVIDE ACCESS AND AVOID SEDIMENT OUTSIDE OF THE WORK AREA.
- 8. CONSTRUCT BUILDING PAD AND COMMENCE NEW BUILDING CONSTRUCTION.
- 9. CONSTRUCT TEMPORARY CULVERTS AND DIVERSIONS AS REQUIRED.
- 10. BEGIN PERMANENT AND TEMPORARY INSTALLATION OF SEED AND MULCH.
- 11. PERFORM EARTHWORK NECESSARY TO ESTABLISH ROUGH GRADING AROUND PARKING FIELDS AND ACCESS DRIVES. MANAGE EXPOSED SOIL SURFACES TO AVOID TRANSPORTING SEDIMENTS INTO WETLANDS. PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- 12. CONSTRUCT PROPOSED ROADWAY
- 13. COMPLETE BUILDING AND ALL OFF-SITE IMPROVEMENTS.
- 14. COMPLETE SEEDING AND MULCHING. SEED TO BE APPLIED WITH BROADCAST SPREADER OR BY HYDRO-SEEDING, THEN ROLLED, RAKED OR DRAGGED TO ASSURE SEED/SOIL CONTACT.
- 15. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDED AREAS HAVE BECOME FIRMLY ESTABLISHED AND SITE IMPROVEMENTS ARE COMPLETE.
- 16. DURING THE COURSE OF THE WORK AND UPON COMPLETION, THE CONTRACTOR SHALL REMOVE ALL SEDIMENT DEPOSITS, EITHER ON OR OFF SITE, INCLUDING CATCH BASINS, AND SUMPS, DRAIN PIPES AND DITCHES, CURB LINES, ALONG SILT BARRIERS, ETC. RESULTING FROM SOIL AND/OR CONSTRUCTION
- 17. SEE WINTER CONSTRUCTION SEQUENCE FOR WORK CONDUCTED AFTER OCTOBER 15TH.
- 18. PARKING ON TOWN ROADS DURING CONSTRUCTION ACTIVITIES IS NOT PERMITTED.

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

SITE PREPARATION & DEMOLITION PLAN PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE

EXETER, NEW HAMPSHIRE

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

OWNED BY/PREPARED FOR

1"=40' (11"X17") | SCALE: 1"=20' (22"X34")

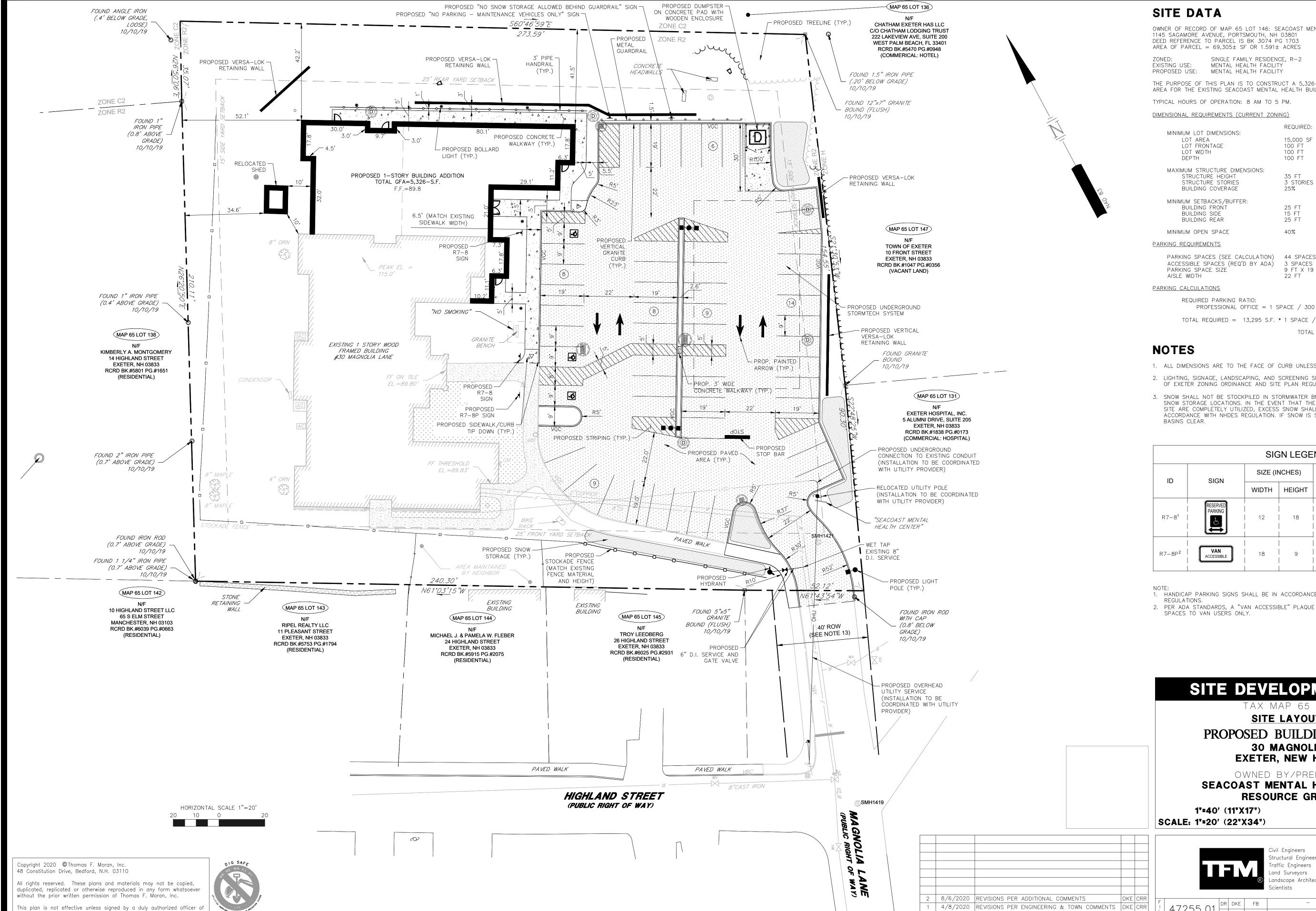
FEBRUARY 25, 2020



Structural Engineers Traffic Engineers and Surveyors _andscape Architects cientists

48 Constitution Drive Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

DR DKE FB C - 05CK CRR CADFILE SITE PREP



Thomas F. Moran, Inc.

OWNER OF RECORD OF MAP 65 LOT 146: SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC., 1145 SAGAMORE AVENUE, PORTSMOUTH, NH 03801

AREA OF PARCEL = $69,305\pm$ SF OR $1.591\pm$ ACRES

SINGLE FAMILY RESIDENCE, R-2 EXISTING USE: MENTAL HEALTH FACILITY

THE PURPOSE OF THIS PLAN IS TO CONSTRUCT A 5,326-S.F. BUILDING ADDITION AND PAVED PARKING AREA FOR THE EXISTING SEACOAST MENTAL HEALTH BUILDING.

REQUIRED:

TYPICAL HOURS OF OPERATION: 8 AM TO 5 PM.

MINIMUM LUT DIMENSIONS:		
LOT AREA LOT FRONTAGE LOT WIDTH DEPTH	15,000 SF (0.344± AC) 100 FT 100 FT 100 FT	69,305 SF (1.591± AC 52 FT 283 FT 244 FT
MAXIMUM STRUCTURE DIMENSIONS: STRUCTURE HEIGHT STRUCTURE STORIES BUILDING COVERAGE	35 FT 3 STORIES 25%	TBD 1 STORY 19%
MINIMUM SETBACKS/BUFFER: BUILDING FRONT BUILDING SIDE BUILDING REAR	25 FT 15 FT 25 FT	33 FT 43 FT 41 FT
MINIMUM OPEN SPACE	40%	46%
PARKING REQUIREMENTS		
PARKING SPACES (SEE CALCULATION)	44 SPACES	57 SPACES

REQUIRED PARKING RATIO:

PROFESSIONAL OFFICE = 1 SPACE / 300 S.F.

TOTAL REQUIRED = 13,295 S.F. * 1 SPACE / 300 S.F. = 44 SPACES

9 FT X 19 FT

TOTAL PROVIDED = 54 SPACES

PROVIDED:

3 SPACES

9 FT X 19 FT

1. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE.

- 2. LIGHTING, SIGNAGE, LANDSCAPING, AND SCREENING SHALL MEET THE REQUIREMENTS OF THE TOWN OF EXETER ZONING ORDINANCE AND SITE PLAN REGULATIONS.
- 3. SNOW SHALL NOT BE STOCKPILED IN STORMWATER BMP'S, WETLAND BUFFERS, OR WETLANDS. SEE SNOW STORAGE LOCATIONS. IN THE EVENT THAT THE SNOW STORAGE AREAS PROVIDED ON THE SITE ARE COMPLETELY UTILIZED, EXCESS SNOW SHALL BE TRANSPORTED OFF SITE FOR DISPOSAL IN ACCORDANCE WITH NHDES REGULATION. IF SNOW IS STORED WITHIN PARKING AREA, KEEP CATCH

	SIGN LEGEND							
ID	SIGN	SIZE (INCHES)		(COLORING, TEXT SIZE,				
	CION	WIDTH	HEIGHT	SPACING, SHAPE, SIG				
R7-8 ¹	RESERVED PARKING	 12 	 18 		3			
R7-8P ²	VAN ACCESSIBLE	 	9	CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS 	1			

1. HANDICAP PARKING SIGNS SHALL BE IN ACCORDANCE WITH TOWN OF EXETER STANDARDS AND ADA

2. PER ADA STANDARDS, A "VAN ACCESSIBLE" PLAQUE DOES NOT RESTRICT USE OF ACCESSIBLE SPACES TO VAN USERS ONLY.

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

SITE LAYOUT PLAN

PROPOSED BUILDING ADDITION **30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE**

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

1"=40' (11"X17")

REV. DATE

DESCRIPTION

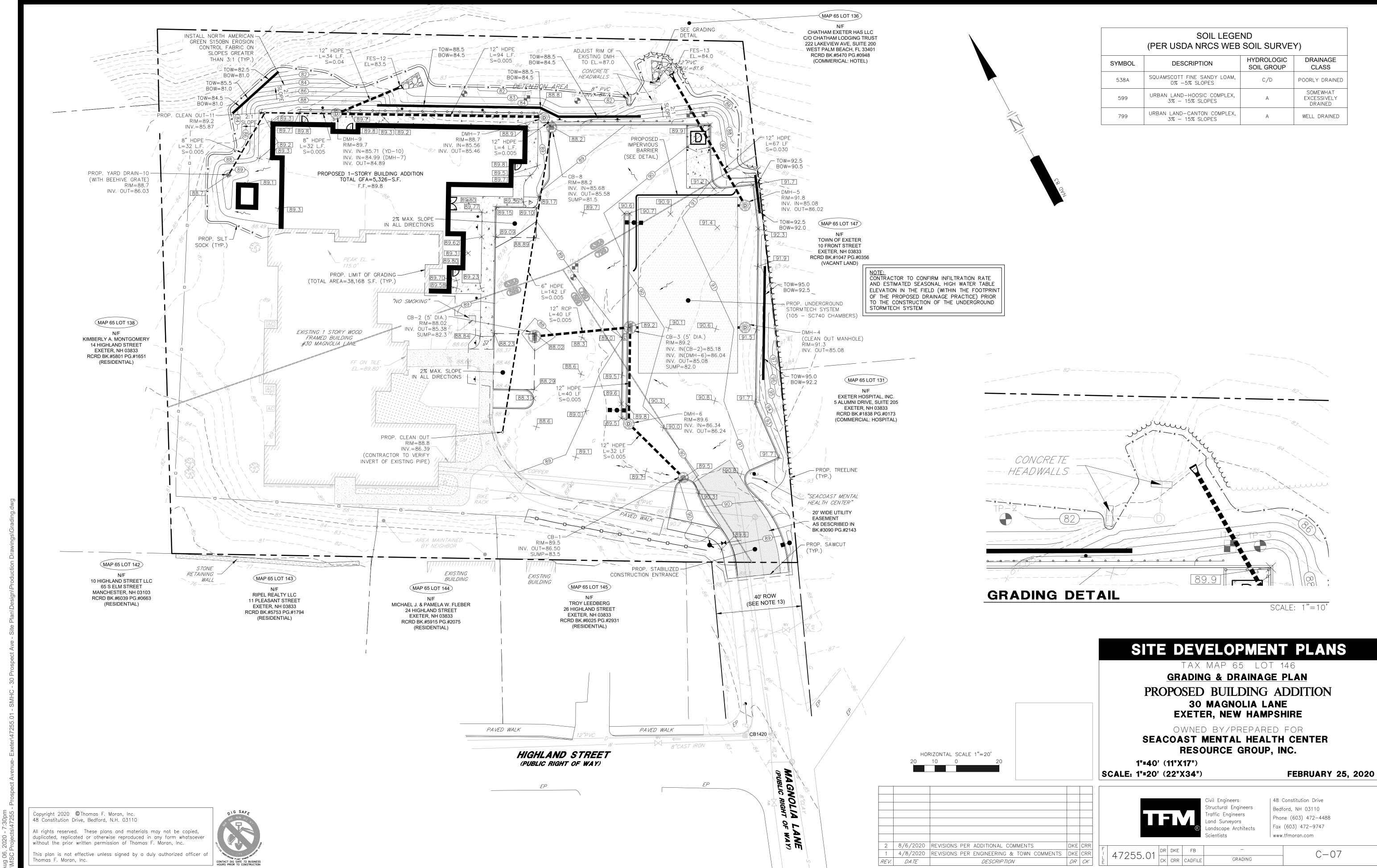
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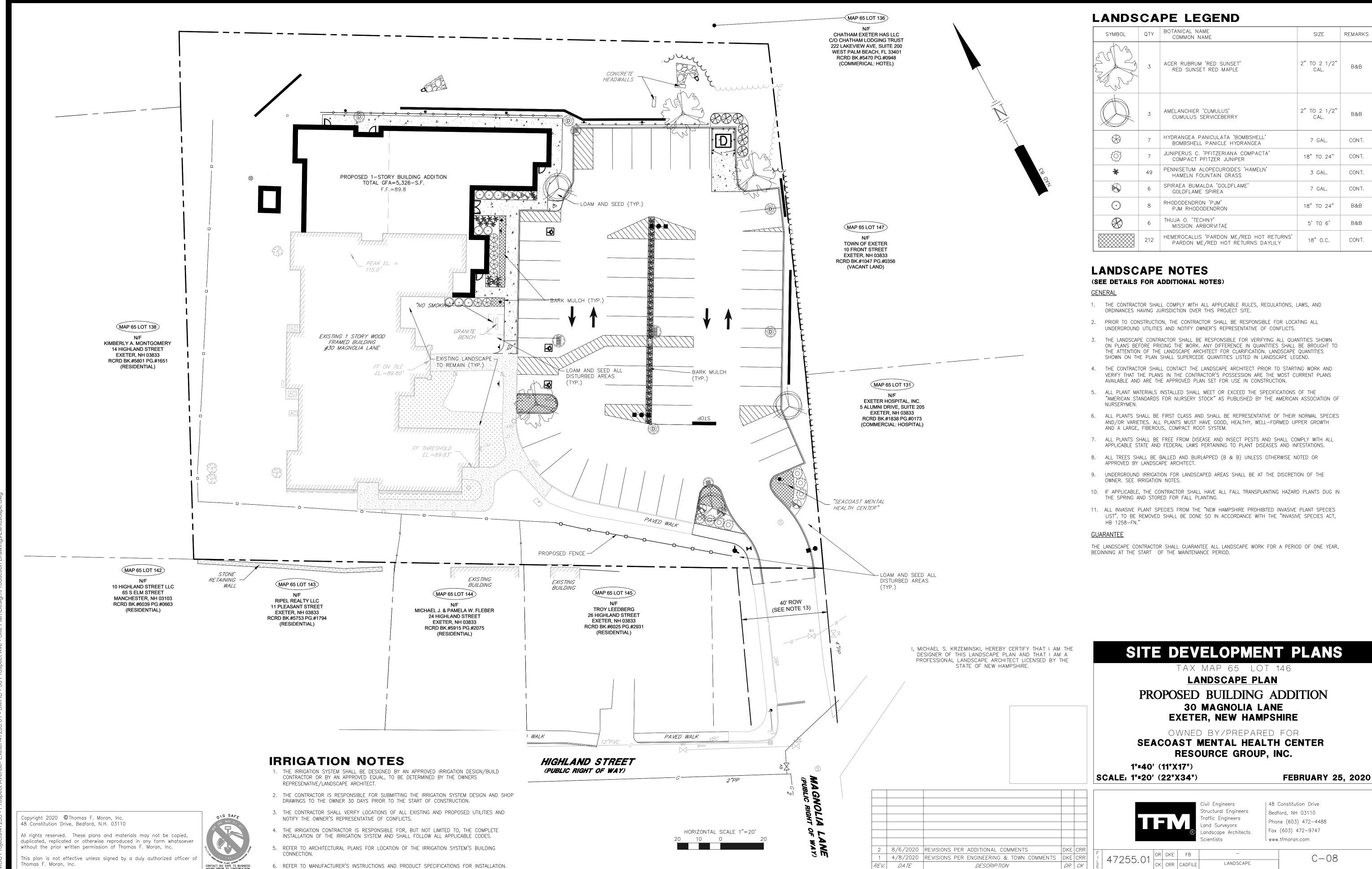
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SIZE REMARKS

CAL.

7 GAL.

18" TO 24"

3 GAL.

7 GAL.

18" TO 24"

5' TO 6'

C - 08

B&B

B&B

CONT.

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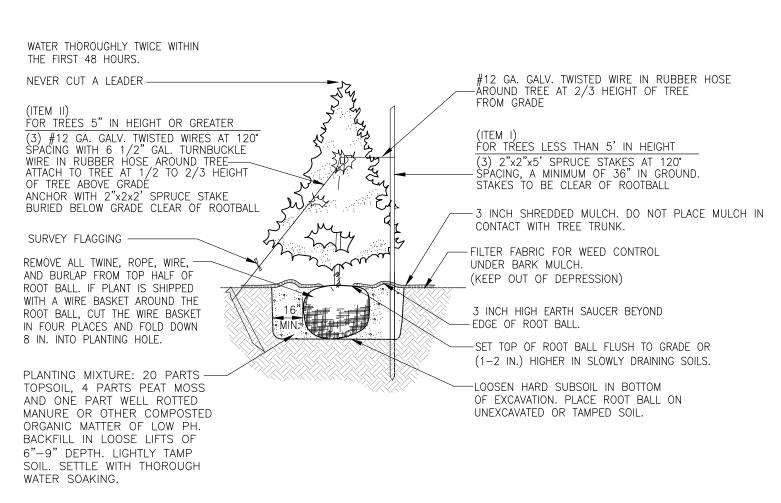
B&B

B&B

CONT.

CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

NOT TO SCALE



EVERGREEN PLANTING

AND THE PROPERTY OF THE PROPER

4" LOAM (ITEM 641)

- LIMESTONE (ITEM 642) FERTILIZER (ITEM 643.11)

MULCH (ITEM 645.111)

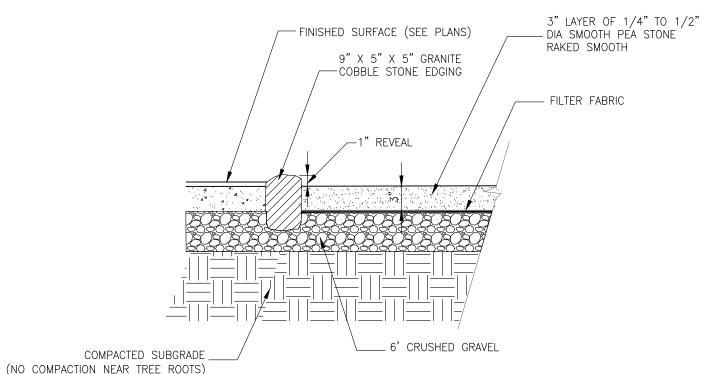
SEED (ITEM 644) (SEE LANDSCAPE SPECIFICATIONS)

NOT TO SCALE

WATER THOROUGHLY TWICE WITHIN THE FIRST 48 HOURS. REMOVE CONTAINER OR -BURLAP FROM TOP 1/3 — 3" SHREDDED BARK MULCH OF ROOTBALL - FILTER FABRIC FOR WEED CONTROL (KEEP OUT OF DIAMETER OF HOLE SHALL-BE TWICE THE DIAMETER OF DEPRESSION) ROOT BALL. 3 INCH HIGH EARTH SAUCER BEYOND PLANTING MIXTURE: 20 PARTS - EDGE OF ROOT BALL. TOPSOIL, 4 PARTS PEAT MOSS -SET TOP OF ROOT BALL FLUSH TO GRADE OR AND ONE PART WELL ROTTED MANURE OR OTHER COMPOSTED (1-2 IN.) HIGHER IN SLOWLY DRAINING SOILS. ORGANIC MATTER OF LOW PH. BACKFILL IN LOOSE LIFTS OF LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION. PLACE ROOT BALL ON 6"-9" DEPTH. LIGHTLY TAMP SOIL. SETTLE WITH THOROUGH UNEXCAVATED OR TAMPED SOIL. WATER SOAKING.

SHRUB PLANTING

NOT TO SCALE



SITE AND SOIL PREPARATION

- 1. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR LEDGE, NOTIFY LANDSCAPE ARCHITECT/ENGINEER BEFORE
- 2. ALL DISTURBED AREAS & PLANTING AREAS, INCLUDING AREAS TO BE SODDED, SHALL RECEIVE THE FOLLOWING SOIL PREPARATION PRIOR TO PLANTING: A MINIMUM OF 6 INCHES OF LIGHTLY COMPACTED TOPSOIL SHALL BE INSTALLED OVER THE SUBSOIL IF TOPSOIL HAS BEEN REMOVED OR IS NOT PRESENT.
- 3. LOAM SHALL CONSIST OF LOOSE FRIABLE TOPSOIL WITH NO ADMIXTURE OF REFUSE OR MATERIAL TOXIC TO PLANT GROWTH. LOAM SHALL BE FREE FROM STONES, LUMPS, STUMPS, OR SIMILAR OBJECTS LARGER THAN TWO INCHES (2") IN GREATEST DIAMETER, SUBSOIL, ROOTS, AND WEEDS. THE MINIMUM AND MAXIMUM PH VALÙE SHALL BE FROM 5.5 TO 7.0. LOAM SHALL CONTAIN A MINIMUM OF TWO PERCENT (2%) AND A MAXIMUM OF FIVE PERCENT (5%) ORGANIC MATTER AS DETERMINED BY LOSS BY IGNITION. SOIL TEXTURE SHALL BE SANDY CLÂY LOAM OR SANDY LOAM WITH CLAY CONTENT BETWEEN 15 AND 25%, AND A COMBINED CLAY/SILT CONTENT OF NO MORE THAN 55%. NOT MORE THAN SIXTY-FIVE PERCENT (65%) SHALL PASS A NO. 200 SIEVE AS DETERMINED BY THE WASH TEST IN ACCORDANCE WITH ASTM D1140. IN NO INSTANCE SHALL MORE THAN 20% OF THAT MATERIAL PASSING THE #4 SIEVE CONSIST OF CLAY
- 4. NATURAL TOPSOIL NOT CONFORMING TO THE PARAGRAPH ABOVE OR CONTAINING EXCESSIVE AMOUNTS OF CLAY OR SAND SHALL BE TREATED BY THE CONTRACTOR TO MEET THOSE
- 5. SUBMIT TEST RESULTS OBTAINED FROM SOURCE TO ENGINEER/LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL, PRIOR TO SPREADING OPERATIONS.
- 6. APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT TO USE THE TOPSOIL WILL DEPEND UPON THE RESULTS OF THE SOIL TESTS.
- 7. THE BURDEN OF PROOF OF SOIL AMENDMENT INSTALLATION RESTS WITH THE CONTRACTOR. SOIL TESTS MAY BE REQUIRED AT THE CONTRACTOR'S EXPENSE IN ORDER TO CONFIRM AMENDMENT INSTALLATION.

- 1. ROUGH GRADING SHALL BE COMPLETED PRIOR TO THE START OF PLANTING IN ANY GIVEN AREA OF THE PROJECT SITE.
- 2. SEEDING SHALL BE DONE BETWEEN APRIL 1 TO JUNE 15 OR AUGUST 15 TO OCTOBER 15, EXCEPT FOR RESEEDING OF BARE SPOTS AND MAINTENANCE. ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PAVING OR AREAS THAT HAVE NOT BEEN OTHERWISE DEVELOPED SHALL BE SEEDED OR SODDED. SLOPES GREATER THAN 3:1 SHALL BE PROTECTED WITH AN EROSION CONTROL BLANKET. AFTER OCTOBER 15 DISTURBED SOILS SHALL BE PROTECTED IN ACCORDANCE WITH THE WINTER CONSTRUCTION NOTES.

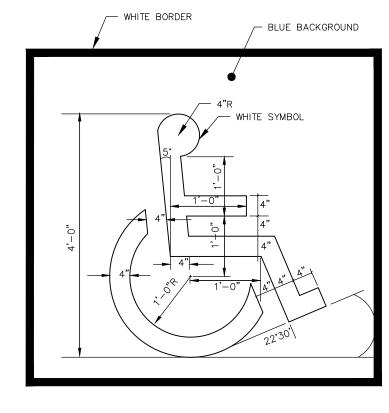
ACCEPTABLE SEED MIXES ARE AS FOLLOWS:

PARK SEED MIX (NHDOT TYPE 44) MIN. 135 LBS/ACRE: 33% CREEPING RED FESCUE (MIN. 45 LBS/ACRE) 42% PERENNIAL RYEGRASS (MIN. 55 LBS/ACRE) 21% KENTUCKY BLUEGRASS (MIN. 30 LBS/ACRE) (MIN. 5 LBS/ACRE) 4% REDTOP

TEMPORARY LAWN MIX: (MIN. 47 LBS/ACRE) 100% ANNUAL RYE

SLOPE SEED (NHDOT TYPE 44) MIX 3:1 OR GREATER SLOPES (MIN. 90 LBS/ACRE): 44% CREEPING RED FESCUE (MIN. 40 LBS/ACRE) 38% PERENNIAL RYEGRASS (MIN. 35 LBS/ACRE) 6% REDTOP (MIN. 5 LBS/ACRE) 6% ALSIKE CLOVER (MIN. 5 LBS/ACRE) 6% BIRDSFOOT TREFOIL (MIN. 5 LBS/ACRE)

- 1. EXCAVATE PITS, PLANTERS, BEDS AND TRENCHES WITH VERTICAL SIDES AND WITH BOTTOM OF EXCAVATION SLIGHTLY RAISED AT CENTER TO PROVIDE PROPER DRAINAGE. LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION.
- 2. ANY LEDGE OR RUBBLE MATERIAL SHALL BE FRACTURED TO A DEPTH OF 3 FEET AND EXCAVATED TO A DEPTH OF 30 INCHES FOR TREE POCKETS AND 18 INCHES FOR SHRUB BEDS. THIS PROCEDURE SHALL BE HANDLED BY THE SITE CONTRACTOR. SITE TOPSOIL SHALL BE DEPOSITED IN ALL EXCAVATED POCKETS.
- 3. DISPOSE OF SUBSOIL REMOVED FROM PLANTING EXCAVATIONS. DO NOT MIX WITH PLANTING
- 4. FILL EXCAVATIONS FOR TREES AND SHRUBS WITH WATER AND ALLOW TO PERCOLATE OUT BEFORE PLANTING.
- 5. DISH TOP OF BACKFILL TO ALLOW FOR MULCH PLANT SAUCERS SHALL BE AS SHOWN ON DETAIL SHEETS: 6' DIAMETER FOR ALL DECIDUOUS TREES, AND FOR EVERGREEN TREES A RADIUS 2' BEYOND THE OUTER MOST BRANCHES.
- 6. MULCH TREES, SHRUBS, PLANTERS AND BEDS. PROVIDE NOT LESS THAN 3" THICKNESS OF BARK MULCH, 3/8"-2" OF WIDTH, AND WORK INTO TOP OF BACKFILL. FINISH LEVEL WITH ADJACENT FINISH GRADES AS DIRECTED IN THE FIELD.
- 7. STAKE AND GUY TREES IMMEDIATELY AFTER PLANTING (TREE SUPPORT STAKES SHALL BE 2" X 3" X 8', WOOD STAKES. GUYING WIRE SHALL BE NO. 12 GAUGE GALVANIZED SOFT STEEL WIRE. HOSE FOR COVERING WIRE SHALL BE NEW OR USED TWO PLY RUBBER HOSE NOT LESS THAN 1/2 INCH INSIDE DIAMETER. (PLASTIC "CINCH-TIES" OR EQUIVALENT FASTENING DEVICE MAY BE AN ACCEPTABLE GUY WIRE AND HOSE PROTECTOR SUBSTITUTE.)
- 8. TREEGATOR WATERING SYSTEM OR APPROVED EQUAL SHALL BE INSTALLED FOR ALL DECIDUOUS TREES AT TIME OF PLANTING AND REMOVED BEFORE FROST. WATERING RATE TO BE APPLIED PER MANUFACTURER'S SPECIFICATIONS.
- 9. ALL PLANT MATERIALS SHALL HAVE DEAD OR DAMAGED BRANCHES REMOVED AT TIME OF PLANTING. ALL TAGS AND RIBBONS SHALL BE REMOVED AT THIS TIME.
- 10. TREES TO REMAIN STAKED FOR 1 FULL GROWING SEASON.
- 11. THE CONTRACTOR SHALL REQUEST A FINAL OBSERVATION BY THE OWNER'S REPRESENTATIVE UPON COMPLETION OF INSTALLATION.



- 1. TRAFFIC PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER AND SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F". APPLY TWO COATS.
- 2. SYMBOLS AND PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, LATEST EDITION.

ACCESSIBLE GRAPHIC SYMBOL

NOT TO SCALE

SITE DEVELOPMENT PLANS

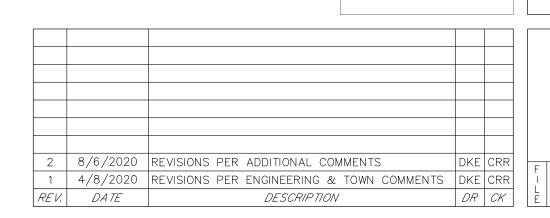
TAX MAP 65 LOT 146

LANDSCAPE DETAILS PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE **EXETER, NEW HAMPSHIRE**

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

FEBRUARY 25, 2020



48 Constitution Drive ivil Engineers Structural Engineers Bedford, NH 03110 Traffic Engineers Phone (603) 472-4488 Land Surveyors Fax (603) 472-9747 _andscape Architects

www.tfmoran.com

C - 09LANDSCAPE DETAILS CK CRR CADFILE

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LOAM & SEED



NOT TO SCALE

PEA STONE SURFACE

NOT TO SCALE

NOTES

 CONTRACTOR TO INSTALL TIMER ON ALL LIGHTS TO ENSURE THAT LIGHTS WILL AUTOMATICALLY DIM BY 10PM.



LIGHT FIXTURE (S3, S5-2)





StatArea_1
PARKING LOT AREA
Illuminance (Fc)
Average = 1.21
Maximum = 2.1
Minimum = 0.4
Avg/Min Ratio = 3.03
Max/Min Ratio = 5.25

Luminaire Sch	edule			
Symbol	Qty	Label	Arrangement	Description
*	10	В	SINGLE	CAV19G3QF1X15U4K
•=	1	S3	SINGLE	PRV-C15-D-UNV-T3-BZ-HSS/ SSS17.5SFN1 (MTD ON 2.5' BASE BYT OTHERS) 20' AFG
	2	S5-2	BACK-BACK	2-PRV-C15-D-UNV-T5-BZ/ SSS4A17.5SFN2 (MTD ON 2.5' BASE BY OTHERS) 20' AFG

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

LIGHTING PLAN

PROPOSED BUILDING ADDITION
30 MAGNOLIA LANE
EXETER, NEW HAMPSHIRE

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

1"=40' (11"X17") SCALE: 1"=20' (22"X34")

FEBRUARY 25, 2020

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8/6/2020	REVISIONS PER ADDITIONAL COMMENTS	DKE	CRR	F	Г
4/8/2020	REVISIONS PER ENGINEERING & TOWN COMMENTS	DKE	CRR	į	
DA TE	DESCRIPTION DESCRIPTION	DR	CK	E	



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Traffic Engineers
Land Surveyors Phone (603) 472–4488

Land Surveyors

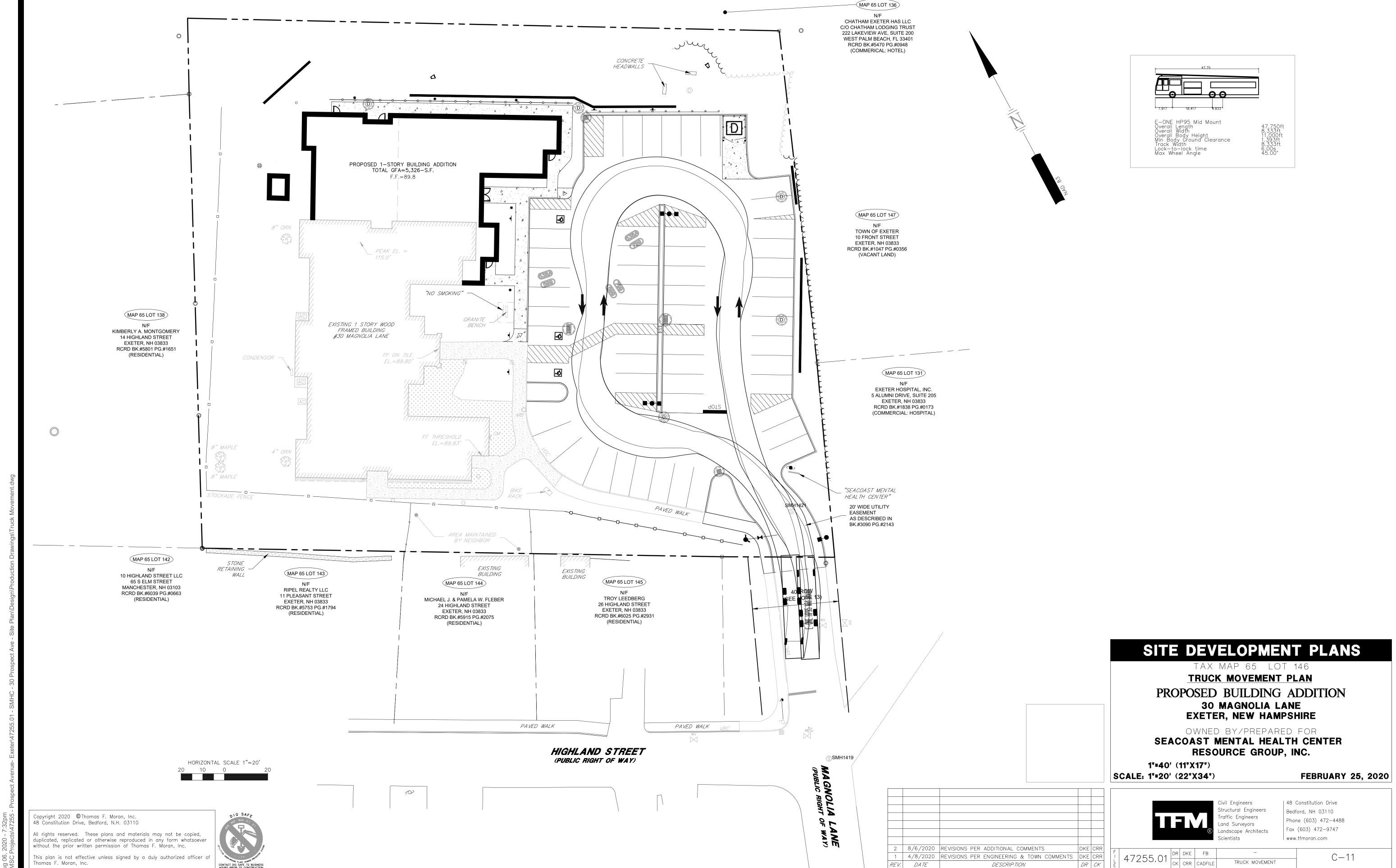
Landscape Architects

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SEQUENCE OF MAJOR ACTIVITIES

THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 38,090 SQUARE FEET (0.87 ACRES). CONSTRUCTION SHALL BE PHASED TO LIMIT DISTURBED AREAS TO LESS THAN 5 ACRES.

CRITICAL NOTE: THIS DRAWING IS PROVIDED FOR GENERAL GUIDANCE. ALL SPECIAL EROSION CONTROL MEASURES MUST BE EXECUTED IN ACCORDANCE WITH CURRENT STATE AND LOCAL REGULATIONS, APPROVED SWPPP AND PERMIT REQUIREMENTS.

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND TEMPORARY EROSION CONTROL MEASURES PER APPROVED

- SWPPP IF REQUIRED DEMOLISH EXISTING SITE WORK DESIGNATED FOR REMOVAL.
- COMPLETE MAJOR GRADING OF SITE.
- CONSTRUCT BUILDING PAD, STORMWATER SYSTEM, AND SITE UTILITIES. . CONSTRUCT PARKING LOT.
- WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND SITE IS STABILIZED, REMOVE ALL INLET PROTECTION, SILT
- BARRIERS AND SEDIMENT THAT HAS BEEN TRAPPED BY THESE DEVICES. 7. CONSULT APPROVED SWPPP FOR CONDITIONS RELATED TO NOTICE OF TERMINATION, IF REQUIRED.

EROSION AND SEDIMENT CONTROLS AND STABILIZATION PRACTICES

STABILIZATION SHALL BE INITIATED ON ALL LOAM STOCKPILES AND DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR MORE THAN TWENTY ONE (21) CALENDAR DAYS BY THE FOURTEENTH (14TH) DAY AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED IN THAT AREA. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

- 1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; 2. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
- 3. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
- 4. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

DURING CONSTRUCTION, RUNOFF WILL BE DIVERTED AROUND THE SITE WITH EARTH DIKES, PIPING OR STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH SILT BARRIERS. ALL STORM DRAIN INLETS SHALL BE PROVIDED WITH BARRIER FILTERS. STONE RIPRAP SHALL BE PROVIDED AT THE OUTLETS OF DRAINAGE PIPES WHERE EROSIVE VELOCITIES ARE ENCOUNTERED.

OFF SITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED

INSTALLATION, MAINTENANCE AND INSPECTION OF EROSION AND SEDIMENT CONTROLS

THESE ARE THE GENERAL INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO IMPLEMENT THE PLAN.

- 1. STABILIZATION OF ALL SWALES, DITCHES AND PONDS IS REQUIRED PRIOR TO DIRECTING FLOW TO THEM.
- 2. THE SMALLEST PRACTICAL PORTION OF THE SITE WILL BE DENUDED AT ONE TIME. (5 AC MAX)
- 3. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.10" OR GREATER.
- 4. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- 5. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT BARRIER WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF
- 6. ALL DIVERSION DIKES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- 7. TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.
- 8. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.
- 9. THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
- B. <u>filters / barriers</u>
 - 1. SILT SOCKS
 - A. KNOTTED MESH NETTING MATERIAL SHALL BE DELIVERED TO SITE IN A 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" MATERIAL, FILLED WITH COMPOST CONFORMING TO THE FOLLOWING REQUIREMENTS:

TEST REQUIREMENTS
TMECC 04.11-A 5.0 TO 8.0 PHYSICAL PROPERTY

TMECC 02.02-B 2" SIEVE AND MIN. 60% GREATER PARTICLE SIZE

THAN THE 3" SIEVE

MOISTURE CONTENT STND TESTING < 60%

MATERIAL SHALL BE RELATIVELY FREE OF INERT OR FOREIGN MAN-MADE MATERIALS

MATERIAL SHALL BE WEED FREE AND DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. FREE FROM ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH.

- B. SEDIMENT COLLECTED AT THE BASE OF THE SILT SOCK SHALL BE REMOVED ONCE IT HAS REACHED 1/3 OF THE EXPOSED HEIGHT OF THE SILT SOCK.
- C. SILT BARRIER SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE
- UPSLOPE AREAS HAS BEEN PERMANENTLY STABILIZED. 2. SEQUENCE OF INSTALLATION

SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM.

3. MAINTENANCE

- A. SILT BARRIERS SHALL BE INSPECTED WEEKLY AND IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. THEY SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM.
- B. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- C. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD (1/3) THE HEIGHT OF THE BARRIER.
- D. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFIRM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

C. <u>MULCHING</u>

IN ORDER FOR MULCH TO BE EFFECTIVE, IT MUST BE IN PLACE PRIOR TO MAJOR STORM EVENTS. THERE ARE TWO (2) TYPES OF STANDARDS WHICH SHALL BE USED TO ASSURE THIS:

A. APPLY MULCH PRIOR TO ANY STORM EVENT.

THIS IS APPLICABLE WHEN WORKING WITHIN 100' OF WETLANDS. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS, USUALLY BY CONTACTING THE NATIONAL WEATHER SERVICE, TO HAVE ADEQUATE

B. REQUIRED MULCHING WITHIN A SPECIFIED TIME PERIOD.

THE TIME PERIOD CAN RANGE FROM 14 TO 21 DAYS OF INACTIVITY ON AN AREA, WHERE THE LENGTH OF TIME VARIES WITH SITE CONDITIONS. PROFESSIONAL JUDGMENT SHALL BE USED TO EVALUATE THE INTERACTION OF SITE CONDITIONS (SOIL ERODIBILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS TO CHOOSE AN APPROPRIATE TIME RESTRICTION.

2. GUIDELINES FOR WINTER MULCH APPLICATION.

WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON) IT SHALL BE AT A RATE OF 6,000 POUNDS OF HAY OR STRAW PER ACRE. A TACKIFIER MAY BE ADDED TO THE MULCH.

ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED.

D. VEGETATIVE PRACTICE

- 1. AFTER ROUGH GRADING OF THE SUBGRADE HAS BEEN COMPLETED AND APPROVED, THE SUB GRADE SURFACE SHALL BE SCARIFIED TO A DEPTH OF 4". THEN, FURNISH AND INSTALL A LAYER OF LOAM PROVIDING A ROLLED THICKNESS AS SPECIFIED IN THESE PLANS. ANY DEPRESSIONS WHICH MAY OCCUR DURING ROLLING SHALL BE FILLED WITH ADDITIONAL LOAM, REGRADED AND REROLLED UNTIL THE SURFACE IS TRUE TO THE FINISHED LINES AND GRADES. ALL LOAM NECESSARY TO COMPLETE THE WORK UNDER THIS SECTION SHALL BE SUPPLIED BY THE
- 2. ALL LARGE STIFF CLODS, LUMPS, BRUSH, ROOTS, DEBRIS, GLASS, STUMPS, LITTER AND OTHER FOREIGN MATERIAL, AS WELL AS STONES OVER 1" IN DIAMETER, SHALL BE REMOVED FROM THE LOAM AND DISPOSED OF OFF SITE. THE LOAM SHALL BE RAKED SMOOTH AND EVEN.
- 3. THE LOAM SHALL BE PREPARED TO RECEIVE SEED BY REMOVING STONES, FOREIGN OBJECTS AND GRADING TO ELIMINATE WATER POCKETS AND IRREGULARITIES PRIOR TO PLACING SEED. FINISH GRADING SHALL RESULT IN STRAIGHT UNIFORM GRADES AND SMOOTH, EVEN SURFACES WITHOUT IRREGULARITIES TO LOW POINTS.
- 4. SHAPE THE AREAS TO THE LINES AND GRADES REQUIRED. THE SITE SUBCONTRACTOR'S ATTENTION IS DIRECTED TO THE SCHEDULING OF LOAMING AND SEEDING OF GRADED AREAS TO PERMIT SUFFICIENT TIME FOR THE STABILIZATION OF THESE AREAS. IT SHALL BE THE SITE SUBCONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE AREAS DURING THE CONSTRUCTION PERIOD AND REGRADE, LOAM AND RESEED ANY DAMAGED AREAS.
- 5. ALL AREAS DISTURBED BY CONSTRUCTION WITHIN THE PROPERTY LINES AND NOT COVERED BY STRUCTURES, PAVEMENT, OR MULCH SHALL BE LOAMED AND SEEDED.
- 6. LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM LAYER AT A RATE OF 2 TONS PER ACRE IN ORDER TO PROVIDE A PH VALUE OF 5.5 TO 6.5.
- 7. FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER APPLICATION RATE SHALL BE 500 POUNDS PER ACRE OF 10-20-20 FERTILIZER.
- 8. SOIL CONDITIONERS AND FERTILIZER SHALL BE APPLIED AT THE RECOMMENDED RATES AND SHALL BE THOROUGHLY WORKED INTO THE LOAM. LOAM SHALL BE RAKED UNTIL THE SURFACE IS FINELY PULVERIZED, SMOOTH AND EVEN, AND THEN COMPACTED TO AN EVEN SURFACE CONFORMING TO THE REQUIRED LINES AND GRADES WITH APPROVED ROLLERS WEIGHING BETWEEN 4 1/2 POUNDS AND 5 1/2 POUNDS PER INCH OF WIDTH.
- 9. SEED SHALL BE SOWN AT THE RATE SHOWN BELOW. SOWING SHALL BE DONE ON A CALM, DRY DAY, PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY BY EXPERIENCED WORKMEN. IMMEDIATELY BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAKED. ONE HALF THE SEED SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE ORIGINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER 1/4" AND ROLLED WITH A HAND ROLLER WEIGHING NOT OVER 100 POUNDS PER LINEAR FOOT OF
- 10. HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING AT A RATE OF 1.5 TO 2 TONS PER ACRE. MULCH THAT BLOWS OR WASHES AWAY SHALL BE REPLACED IMMEDIATELY AND ANCHORED USING APPROPRIATE TECHNIQUES FROM THE EROSION AND SEDIMENT CONTROL HANDBOOK.
- 11. THE SURFACE SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT WASHING AWAY THE SOIL, UNTIL THE GRASS IS WELL ESTABLISHED. ANY AREAS WHICH ARE NOT SATISFACTORILY COVERED WITH GRASS SHALL BE RESEEDED, AND ALL NOXIOUS WEEDS REMOVED.
- 12. THE SITE SUBCONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDED AREAS UNTIL ACCEPTED, INCLUDING CUTTING, AS SPECIFIED HEREIN AFTER UNDER MAINTENANCE AND PROTECTION.
- 13. UNLESS OTHERWISE APPROVED, SEEDING SHALL BE DONE DURING THE APPROXIMATE PERIODS OF EARLY SPRING TO SEPTEMBER 30, WHEN SOIL CONDITIONS AND WEATHER ARE SUITABLE FOR SUCH WORK. IN NO CASE SHALL THE WEED CONTENT EXCEED 1 PERCENT BY WEIGHT. ALL SEED SHALL COMPLY WITH STATE AND FEDERAL SEED LAWS. FOR TEMPORARY PLANTINGS AFTER SEPTEMBER 30, TO EARLY SPRING AND FOR TEMPORARY PROTECTION
- A. FOLLOW ABOVE SLOPE, LOAM DEPTH AND GRADING REQUIREMENTS.
- B. FERTILIZER SHALL BE SPREAD AND WORKED INTO THE SURFACE AT A RATE OF 300 POUNDS PER ACRE.

2.5 LBS/1,000 SF

2.0 LBS/1,000 SF 1.5 TONS/ACRE

MULCHING AND SEEDING SHALL BE APPLIED AT THE FOLLOWING RATES:

WINTER RYE (FALL SEEDING) OATS (SPRING SEEDING)

▼ STANDARD 2" OVERFLOW AREA

- INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- INSPECTION SHOULD OCCUR FOLLOWING ANY RAIN EVENT $>\frac{1}{2}$ ". EMPTY THE SEDIMENT BAG PER MANUFACTURER'S SPECIFICATIONS. REMOVED CAKED ON SILT FROM SEDIMENT BAG AND FLUSH WITH
- REPLACE BAG IF TORN OR PUNCTURED TO $>_{2}^{1}$ " DIAMETER ON LOWER

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. A DIVISION OF ADS, INC. WWW.INLETFILTERS.COM (866) 287-8655 INFO@INLETFILTERS.COM

FLEXSTORM

CATCH-IT FILTERS

INLET PROTECTION

E. CATCH BASIN INLET PROTECTION

1. INLET BASKET STRUCTURE

- A. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY PRIOR TO DISTURBING PAVEMENT AND SHALL REMAIN IN PLACE AND MAINTAINED UNTIL PAVEMENT BINDER COURSE IS COMPLETE.
- B. MOLD 6X6, 42 LB. WIRE SUPPORT AROUND INLET FRAME AND GRATE AND EXTEND 6" BEYOND SIDES. SECURE FILTER FABRIC TO WIRE SUPPORT.
- C. THE FILTER FABRIC SHALL BE A GEOTEXTILE FABRIC; POLYESTER, POLYPROPYLENE, STABILIZED NYLON,
- POLYETHYLENE OR POLYVINYLIDENE CHLORIDE MEETING THE FOLLOWING SPECIFICATIONS: GRAB STRENGTH: 45 LB. MINIMUM IN ANY PRINCIPAL DIRECTION (ASTM D1682)
- MULLEN BURST STRENGTH: MIN. 60PSI (ASTM D774) D. THE FABRIC SHALL HAVE AN OPENING NO GREATER THAN A NUMBER 20 U.S. STANDARD SIEVE AND A
- E. THE INLET PROTECTION SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING EXTENDED PERIODS OF PRECIPITATION. REPAIRS SHALL BE MADE IMMEDIATELY, AS NECESSARY, TO PREVENT
- F. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT, OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED.

PARTICLES FROM REACHING THE DRAINAGE SYSTEM AND/OR CAUSING SURFACE FLOODING.

F. WINTER CONSTRUCTION SEQUENCE

MINIMUM PERMEABILITY OF 120 GPM.

- 1. ALL PROPOSED POST-DEVELOPMENT LANDSCAPED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1 AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENT.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- 3. AFTER OCTOBER 15TH, ALL TRAVEL SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3" OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOWFALL AFTER EACH STORM EVENT.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, SILT BARRIERS SHALL BE INSTALLED PRIOR TO COMMENCING ANY CLEARING OR GRADING OF THE SITE. STRUCTURAL CONTROLS SHALL BE INSTALLED CONCURRENTLY WITH THE APPLICABLE ACTIVITY. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN TWENTY ONE (21) DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN FOURTEEN (14) DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, SILT BARRIERS AND ANY EARTH/DIKES WILL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED.

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN A DUMPSTER. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE SUPERINTENDENT.

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT.

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO

GOOD HOUSEKEEPING THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ON SITE DURING THE CONSTRUCTION

- A. AN EFFORT WILL BE MADE TO STORE ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB.
- B. ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- C. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- D. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS. E. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- F. WHENEVER POSSIBLE ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- THE FOLLOWING PRACTICES WILL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
- B. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION.

A. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

C. SURPLUS PRODUCT THAT MUST BE DISPOSED OF WILL BE DISCARDED ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL.

2. PRODUCT SPECIFICATION PRACTICES THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON SITE:

ALL ON SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT BASED SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS. ONCE APPLIED FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE

IN A COVERED SHED OR ENCLOSED TRAILERS. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS. ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL

NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE DISPOSED OF PROPERLY ACCORDING TO

MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. CONCRETE TRUCKS: CONCRETE TRUCKS WILL DISCHARGE AND WASH OUT SURPLUS CONCRETE OR DRUM WASH WATER IN A

CONTAINED AREA DESIGNATED ON SITE.

REV. DATE

8/6/2020 REVISIONS PER ADDITIONAL COMMENTS

4/8/2020 | REVISIONS PER ENGINEERING & TOWN COMMENTS | DKE | CRR

DESCRIPTION

DR CK

SPILL CONTROL PRACTICES

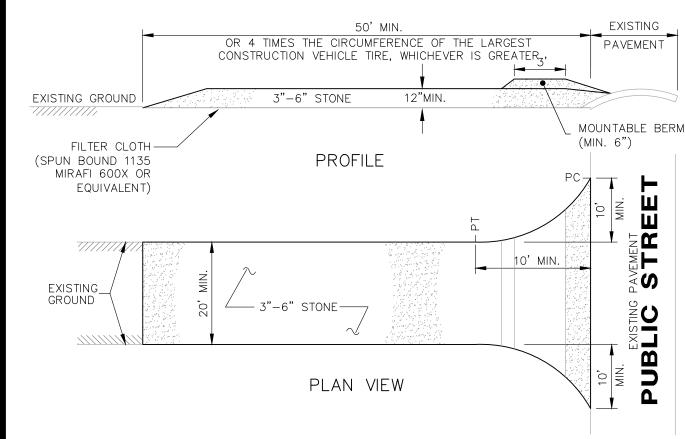
IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTION THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- B. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- C. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

AND THE CLEANUP MEASURES WILL BE INCLUDED.

- D. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- E. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- F. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND HOW TO CLEANUP THE SPILL IF IT RECURS. A DESCRIPTION OF THE SPILL, ITS CAUSE,
- G. THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST THROUGHOUT THE CONSTRUCTION PERIOD. DUST CONTRO METHODS SHALL INCLUDE, BUT NOT LIMITED TO SPRINKLING WATER ON EXPOSED AREAS, COVERING LOADED DUMP TRUCKS LEAVING THE SITE. AND TEMPORARY MULCHING. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST FROM THE SITE TO ABUTTING AREAS.



- 1. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE SURFACE
- 2. 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
- MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO 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.
- 4. WASHING WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN STORM EVENT.

STABILIZED CONSTRUCTION ENTRANCE

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

EROSION CONTROL NOTES PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

1"=40' (11"X17") SCALE: 1"=20' (22"X34")

FEBRUARY 25, 2020



il Engineers Structural Engineers affic Engineers and Surveyors andscape Architects

Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

48 Constitution Drive

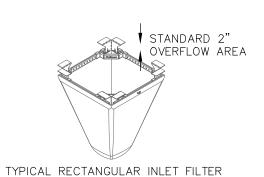
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EROSION NOTES CK CRR CADFILE

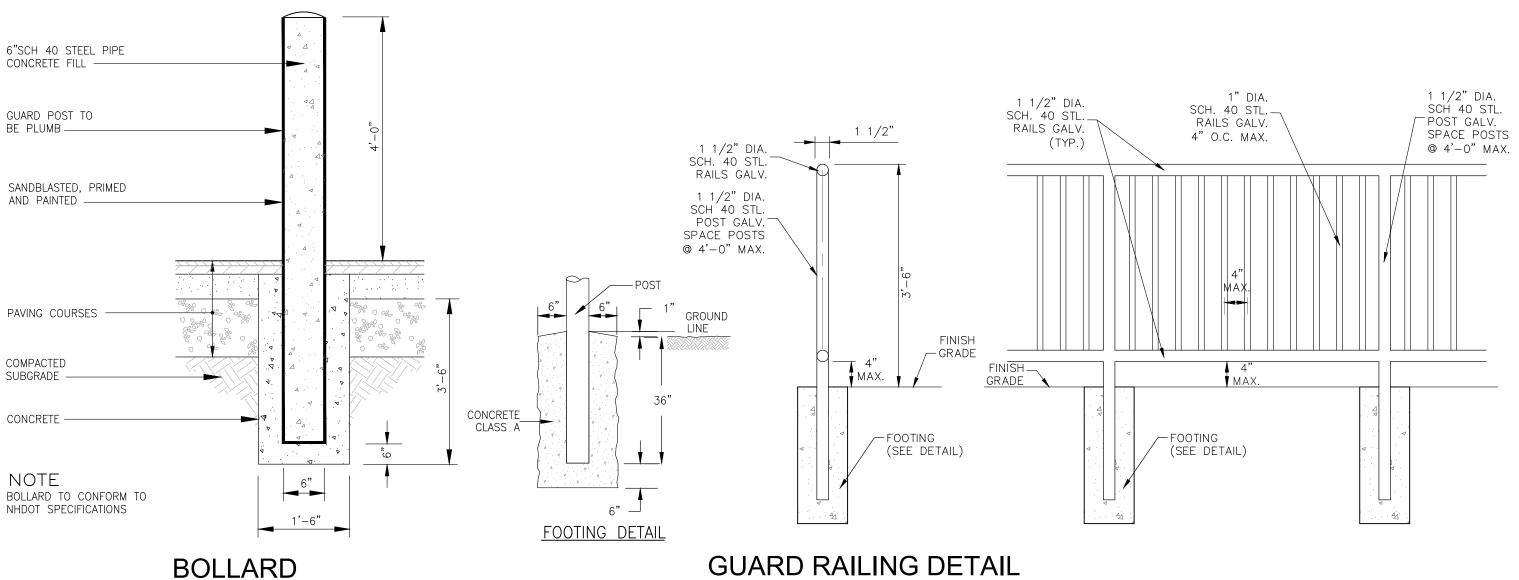
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MEDIUM SPRAY WITH OPTIMAL FILTRATION.



AMERICAN

NOT TO SCALE

6"X6" BEVELED CAP WITH $1/2" \times 1/2"$ TRIM 1"X4" CAP RAIL — 6-8 CU. YARD DUMPSTER (N.I.C.) 8' HIGH WOODEN FENCE (SEE FENCE DETAILS) -ALTERNATE: 8' HIGH MASONRY ENCLOSURE CONC. FILLED PIPE BOLLARDS (PLACED SO AS TO ALLOW GATES -TO SWING OPEN FREELY) (2) 7'-3" HIGH, 8' WIDE METAL GATES W/ LATCHING HARDWARE & PRIVACY SCREENING (FOR WOODEN FENCE ENCLOSURE) (2) 8' HIGH, 5' WIDE METAL GATES W/ LATCHING HARDWARE & PRIVACY SCREENING

FILLED WITH

3,000 PSI, 7% AIR ENTRAINED CONCRETE WITH

#5 REBAR @ 12" O.C. EACH WAY TOP. THICKEN —

<u>NOTES</u>

SLAB TO 12" ALONG OUTSIDE PERIMETER

→ 1% SLOPE TO FRONT

SEALAN'

DUMPSTER ENCLOSURE - WOOD

1/8"x1" DEEP HAND

LIGHT BROOM

GRAVEL ITEM 304.3

GRAVEL ITEM 304.2 -

ACCEPTABLE SUBGRADE AS

DETERMINED BY THE ENGINEER —

BANK RUN

(NHDOT 304.3)

- TOOLED JOINT

WITH 1/4" RADII

NOT TO SCALE

CONTROL JOINT

1. PROVIDE CLEAN BUTT TO EXISTING PAVEMENT - USE TACK COAT.

CONCRETE PAD

NOT TO SCALE

_SLOPE AND MATERIAL VARIES

ASPHALT PAVEMENT

BANK RUN

GRAVEL ITEM 304.2

COMPACTED SUBGRADE

CRUSHED

VERTICAL GRANITE CURB

NOT TO SCALE

GRAVEL ITEM 304.3

VERTICAL GRANITE CURB STRAIGHT OR CURVED

SEE SITE AND GRADING PLANS

(FOR MASONRY ENCLOSURE)

PAVEMENT SECTION (SEE DETAIL)

FINISH GROUND

NOTE: PROVIDE TRANSITIONS & RAMPS PER A.D.A.

CONCRETE SIDEWALK NOT TO SCALE

CONTROL JOINT

5'-0" MIN.

6" COMPACTED CRUSHED GRAVEL BASE

6"x6",2.9x2.9 WELDED WIRE MESH_

REINFORCING 2" MINIMUM COVER.

4" NHDOT CLASS AA CONCRETE

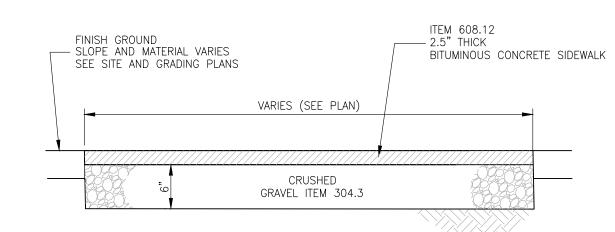
(4000 PSI) SIDEWALK-BRÓOM FINISH

6" COMPACTED ——

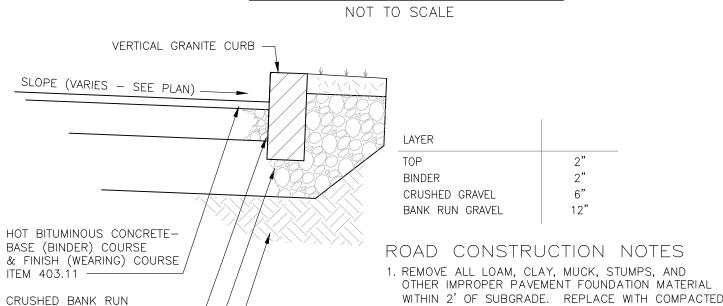
SUBGRADE

COMPACTED _____

CRUSHED GRAVEL BASE



BITUMINOUS SIDEWALK



GRANULAR FILL MATERIAL ACCEPTABLE TO APPROVING AGENCY. COMPACTION TO BE AT LEAST 95% OF STANDARD PROCTOR. 2. ALL PAVEMENT, BASE MATERIALS AND WORKMANSHIP TO BE IN COMPLIANCE WITH N.H.D.O.T. "STANDARDS

FOR ROAD AND BRIDGE CONSTRUCTION" LATEST

3. ALL PAVEMENT TO MEET AASHTO H-20 LOADING.

TOOLED CONTROL JOINT 1/4 TIMES THE -DEPTH OF THE SLAB WITH 2" WIDE SMOOTH STRIP ON EACH SIDE. 5' O.C.

(4000 PSI) SIDEWALK

4" NHDOT CLASS AA CONCRETE

PERPENDICULAR TO THE TRAFFIC

FLOW UNLESS OTHERWISE NOTED

FINISH GROUND

PROVIDE LÍGHT BROOM FINISH

FINISH GROUND

ALONG WALKWAY

PARKING LOT SECTION NOT TO SCALE

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

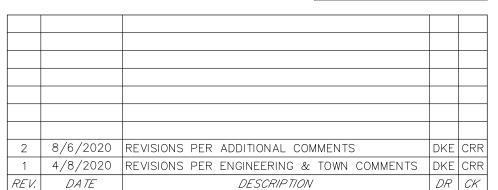
DETAILS

PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE **EXETER, NEW HAMPSHIRE**

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

FEBRUARY 25, 2020



REV. DATE

STANDARD PARKING

SECTION (SEE DETAIL)

LOT OR ROADWAY

BUTTON HEAD POST BOLT FACE OF RAIL EDGE OF SHOULDER GRADE AT _PAVEMENT SHOULDER EDGE OF PAVEMENT GRADE STEEL POST TYPICAL SIDE VIEW LINE POST ELEVATION VIEW AT BEAM SPLICE (SHOWN WITH FASTENERS) GENERAL NOTES 1 ALL PARTS, POSTS OFFSET RIOCKS RAILS & HARDWARE SHALL CONFORM TO STANDARD NO. CR. 2 OF THE

- N.H.D.O.T. STANDARD PLANS FOR ROAD CONSTRUCTION WITH THE EXCEPTION THAT THE TERMINAL UNIT TYPE G-2
- 2. ANCHORS, PLATES AND ALL FITTINGS TO BE GALVANIZED.
- 3. ALL DIMENSIONS SUBJECT TO MANUFACTURERS TOLERANCES.
- 4. RAIL PANELS AND END SECTIONS TO BE 12 GAUGE STEEL.
- 5. WHEN GUARDRAIL IS CONSTRUCTED AT UP TO FOUR FEET FROM EDGE OF PAVEMENT, THE GUARD RAIL HEIGHT WILL BE SET FROM THE GRADE AT THE EDGE OF PAVEMENT. WHEN THE GUARDRAIL IS CONSTRUCTED MORE THAN FOUR FEET FROM THE EDGE OF PAVEMENT, THE GUARDRAIL WILL BE SET FROM THE GRADE AT FACE OF RAIL.

AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S

5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP's WIDTH. NOTE: *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH

APPROXIMATELY 12" (30cm) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A

ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH

AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND

COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM)

3. ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE

SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH

(5cm-12.5cm)

NOT TO SCALE

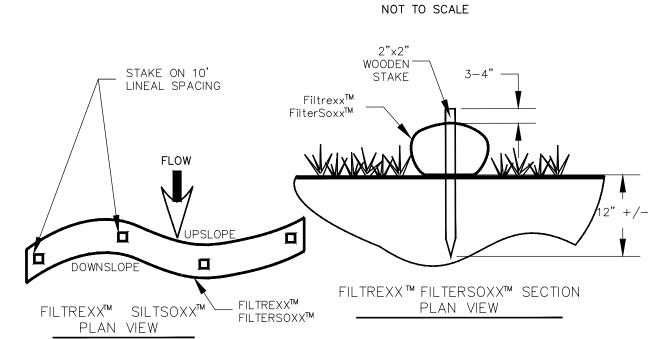
APART ACROSS THE WIDTH OF THE RECP's.

SLOPE INSTALLATION (NORTH AMERICAN GREEN)

SYNTHETIC NOTE: LAP RAIL IN DIRECTION OF TRAFFIC OFFSET BLOCK BUTTON HEAD SPLICE BOLT

- SHALL CONFORM TO STANDARD NO. GR-10 OF THE N.H.D.O.T. STANDARD PLANS FOR ROAD CONSTRUCTION.

"W" BEAM METAL GUARDRAIL (WITH STEEL POST)



- ALL MATERIAL TO MEET FILTREXX™SPECIFICATIONS 2. FILTERSOXX COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION
- REQUIREMENTS.
- 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX[™] FILTERSOXX[™] STAKING

NOT TO SCALE

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CK CRR CADFILE

48 Constitution Drive vil Engineers Structural Engineers Bedford, NH 03110 raffic Engineers Phone (603) 472-4488 Land Surveyors

Fax (603) 472-9747 andscape Architects www.tfmoran.com

DETAILS

C - 13

BACKFILL MATERIAL AROUND THE END SECTION MAY BE THE SAME AS THE MATERIAL AROUND THE PIPE, PLACE A FEW INCHES OF BACKFILL MATERIAL IN THE TRENCH OR DITCH WHERE THE END SECTION WILL BE PLACED. COMPACT AND CONTOUR THIS BEDDING MATERIAL TO GENERALLY MATCH THE END SECTION. EXCAVATE AN AREA IN THE BEDDING WHERE TOE TROUGH WILL SEAT SO THAT THE END SECTION WILL BE LEVEL WITH THE BOTTOM OF THE TRENCH OR DITCH IN THE FINISHED INSTALLATION.

PLACE END SECTION OF PIPE:

OPEN THE END SECTION COLLAR AND SEAT IT OVER THE TWO PIPE CONNECTIONS. ONCE THE END SECTION IS POSITIONED, CHECK TO MAKE SURE THAT THE INVERT OF THE END SECTION MATCHES THE INVERT OF THE PIPE AND THAT THE END SECTION IS LEVEL WITH THE TRENCH OR DITCH BOTTOM.

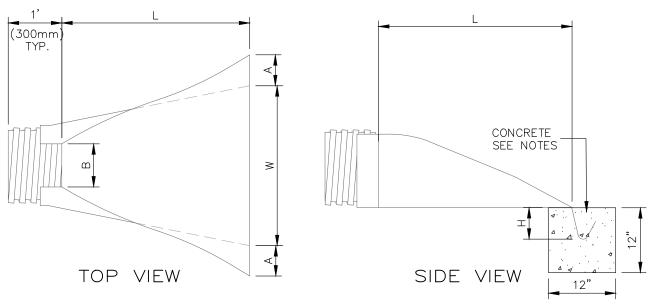
SECURE THE END SECTION:

SLIP THE STAINLESS STEEL ROD THROUGH THE PRE-DRILLED HOLES AT THE TOP OF THE COLLAR. THE ROD SHOULD BE BETWEEN THE CROWNS OF THE TWO PIPE CONNECTIONS. PLACE A WASHER ON EITHER END OF THE ROD. PLACE A NUT ON EITHER END OF THE ROD AND TIGHTEN WITH A

SECURE THE TOE TROUGH:

TO PREVENT WASHOUTS FROM HIGH VELOCITY FLOW, IT IS RECOMMENDED THAT THE TROUGH BE SECURED WITH CONCRETE. POUR CONCRETE IN THE TROUGH UP TO THE LEVEL OF THE TRENCH OR DITCH BOTTOM AND ALONG THE ENTIRE LENGTH OF THE TROUGH.

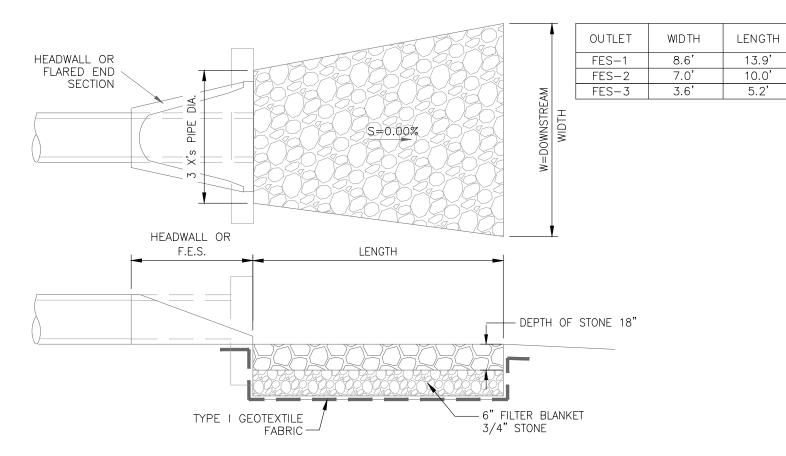
SHOVEL BACKFILL AROUND THE END SECTION IN 6 TO 9 INCH LAYERS EQUALLY ON BOTH SIDES, KNIFING IT TO ELIMINATE VOIDS. TAMP WITH A SMALL-FACED COMPACTOR OR OTHER EQUIPMENT SUITABLE FOR SMALL AREAS. CONTINUE PLACING, KNIFING, AND COMPACTING BACKFILL LAYERS TO THE TOP OF THE END SECTION TO SEAT IT WELL INTO THE BACKFILL.



	DIMENSIONS, INCHES (mm)					
PIPE DIAMETER	PART NO.	A, ±1 (25)	В МАХ	H, ±1 (25)	L, ±1/2 (13)	W, ±2 (50)
12", 15" (300,375)	1210 NP	6.5 (165)	10 (254)	6.5 (165)	25 (635)	29 (736)
18" (450)	1810 NP	7.5 (190)	15 (380)	6.5 (168)	32 (812)	35 (890)
24" (600)	2410 NP	7.5 (190)	18 (450)	6.5 (165)	36 (900)	45 (1140)
30" (750)	3010 NP	10.5 (266)	NA	7.0 (178)	53 (1346)	68 (1725)
36" (900)	3610 NP	10.5 (266)	NA	7.0 (178)	53 (1346)	68 (1725)

FLARED END SECTION (HDPE)

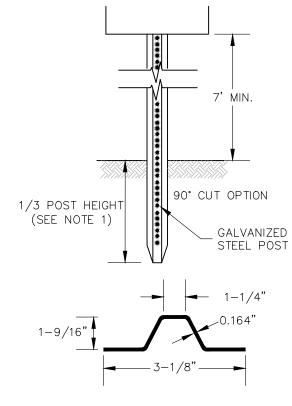
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CONSTRUCTION SPECIFICATIONS:

- 1. THE SUBGRADE FOR THE GEOTEXTILE FABRIC AND RIP-RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- 2. THE ROCK USED FOR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- 3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP-RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
- 4. STONE FOR THE RIP-RAP SHALL BE PLACED BY EQUIPMENT IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

RIPRAP APRON NOT TO SCALE



<u>LENGTH:</u> AS REQUIRED

-DRAINAGE AGGREGATE

12" THICK MIN.

GRANULAR LEVELING PAD

6" THICK MIN.

- IMPERVIOUS FILL

WEIGHT PER LINEAR FOOT: 2.50 LBS (MIN) HOLES: 3/8" DIAMETER, 1" C-C FULL LENGTH STEEL: SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 1070 - 1080)

FINISH: SHALL BE PAINTED WITH 2 COATS OF AN APPROVED MEDIUM GREEN BAKED-ON OR AIR-DRIED PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.

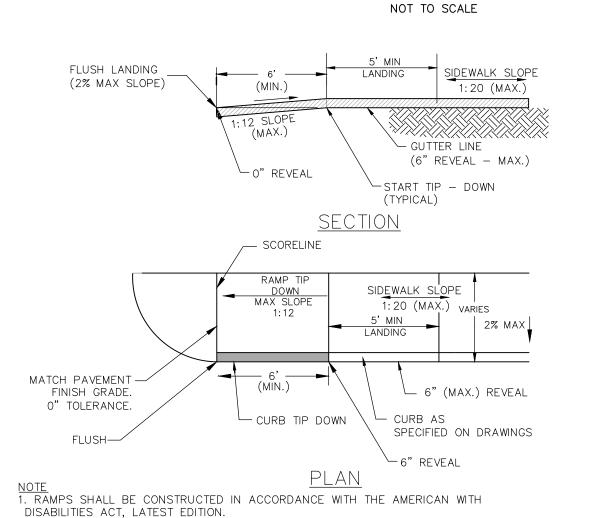
. WHERE LEDGE APPLICATION EXISTS, DRILL & GROUT TO A

- MINIMUM OF 2'. 2. ALL SIGNAGE SHALL FOLLOW THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARDS AND NHDOT
- 3. SIGN, HARDWARE, AND INSTALLATION SHALL CONFORM TO THE LATEST NHDOT STANDARD SPECIFICATIONS.

UNPAVED AREAS PAVED AREAS PAVING COURSES SEE PAVING DETAILS TEMPORARY BACKFILL OR SPOIL -EXISTING OR FINISHED GRADE MIN. MOUND BACKFILL YELLOW TAPE W/METAL TRACE COMMON FILL MATERIAL SAND BLANKET-- UTILITY LINE CLEAN SAND OR CRUSHED GRAVEL (FOR SEWER LINE CRUSHED GRAVEL OR-PER ASTM C33, #67) 1/2 WAY UP ARÖUND PIPE

UTILITY	MINIMUM PIPE COVER			
	PAVED AREAS	UNPAVED AREAS		
SANITARY SEWER MAIN	6'	4'		
STORM DRAIN	3'	3'		
WATER MAIN	5'	5'		

TRENCH (FOR SEWER, WATER AND DRAIN LINES)



SIDEWALK TIP DOWN RAMP (TYPE B)

- GEOSYNTHETIC REINFORCEMENT

SEE PROFILE DRAWINGS FOR LENGTH, TYPE, AND SPACING

-RETAINED BACKFILL

STAMPED SHOP DRAWING

DESIGNED BY PROFESSIONAL

ENGINEER TO BE SUBMITTED

REV. DATE

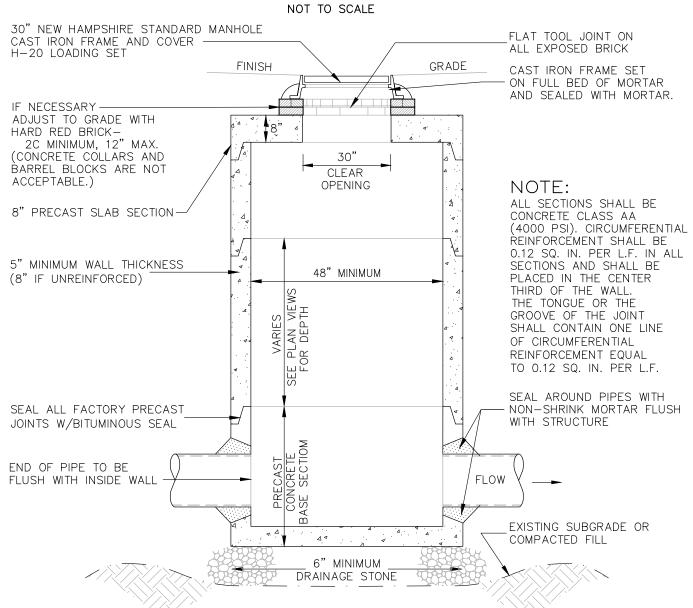
FOR APPROVAL

SEE FRAME AND GRATE DETAIL -FINISH GRADE CAST IRON FRAME SET ON FULL BED OF MORTAR AND SEALED WITH MORTAR. ADJUST TO GRADE WITH 8" PRECAST SLAB -HARD RED BRICK-SECTION 2C MINIMUM, 12" MAX. (CONCRETE COLLARS AND BARREL BLOCKS ARE NOT ACCEPTABLE.) 24"x24" OPENING (SINGLE GRATE) 24"x48" OPENING (DOUBLE GRATE) FLAT TOOL JOINT ON ALL EXPOSED BRICK 5" MINIMUM WALL THICKNESS (8" IF UNREINFORCED) 48" MINIMUM FOR A GREASE TRAP BASIN USE TEE (MATCH PIPE SIZE) END OF PIPE TO BE FLUSH WITH INSIDE WALL SEAL AROUND PIPES WITH NON-SHRINK MORTAR FLUSH SEAL ALL FACTORY PRECAST WITH STRUCTURE JOINTS W/BITUMINOUS SEAL EXISTING SUBGRADE OR COMPACTED FILL 6" MINIMUM DRAINAGE STONE NOTE: ALL PRECAST SECTIONS SHALL CONFORM TO ASTM C-478

FINISH GRADE

FACE OF CURBING -

CATCH BASIN (SLAB TOP)



NOTE: ALL PRECAST SECTIONS SHALL CONFORM TO ASTM C-478

DRAIN MANHOLE (SLAB TOP) NOT TO SCALE

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

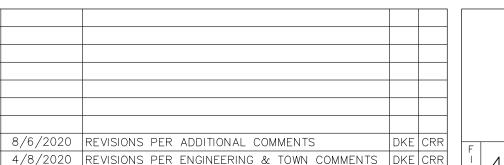
DETAILS

PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE **EXETER, NEW HAMPSHIRE**

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

FEBRUARY 25, 2020



DR CK

DESCRIPTION

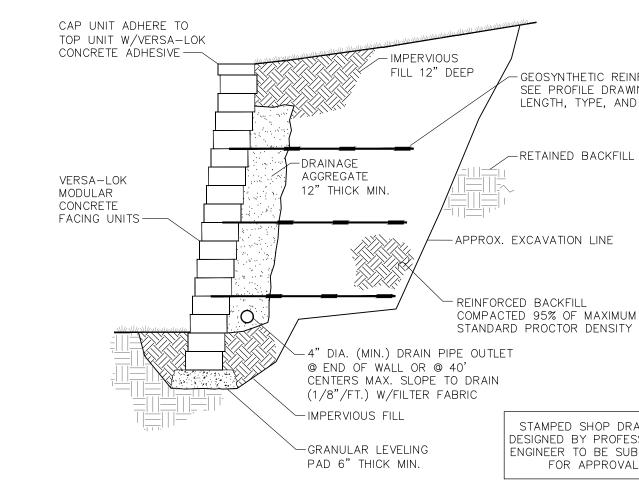
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VERSA-LOK RETAINING WALL NOT TO SCALE

VERTICAL WALL

CAP UNIT ADHERE TO

CONCRETE ADHESIVE-

MODULAR CONCRETE

VERSA-TUFF PINS

IN ALL BACK HOLES -

MAXIMUM RECOMMENDED EXPOSED

HEIGHT WITHOUT REINFORCEMENT

REQUIRED FOR HIGHER WALLS.

IS 3 FEET. SOIL REINFORCEMENT

VERSA-LOK

NOTE

FACING UNITS -

TOP UNIT W/VERSA-LOK

VERSA-LOK DETAIL NOT TO SCALE

Land Surveyors Fax (603) 472-9747 andscape Architects

STORMTECH PRODUCT SPECIFICATIONS

- STORMTECH CHAMBERS ARE DESIGNED TO 1.1 CONTROL STORMWATER RUNOFF. AS A SUBSURFACE RETENTION SYSTEM, STORMTECH CHAMBERS RETAIN AND ALLOW EFFECTIVE INFILTRATION OF WATER INTO THE SOIL. AS A SUBSURFACE DETENTION SYSTEM, STORMTECH CHAMBERS DETAIN AND ALLOW FOR THE METERED FLOW OF WATER TO AN OUTFALL.
- 2.0 CHAMBER PARAMETERS 2.1 THE CHAMBER SHALL BE INJECTION MOLDED OF POLYPROPYLENE RESIN TO BE INHERENTLY RESISTANT TO ENVIRONMENTAL STRESS CRACKING (ESCR), AND TO MAINTAIN ADEQUATE STIFFNESS THROUGH HIGHER TEMPERATURES EXPERIENCED DURING INSTALLATION AND SERVICE.
- 2.2 THE NOMINAL CHAMBER DIMENSIONS OF THE STORMTECH SC-740 SHALL BE 30.0 INCHES TALL, 51.0 INCHES WIDE AND 90.7 INCHES LONG.
- 2.3 THE CHAMBER SHALL HAVE A CONTINUOUSLY CURVED SECTION PROFILE.
- 2.4 THE CHAMBER SHALL BE OPEN-BOTTOMED.
- 2.5 THE CHAMBER SHALL INCORPORATE AN OVERLAPPING CORRUGATION JOINT SYSTEM TO ALLOW CHAMBER ROWS OF ALMOST ANY LENGTH TO BE CREATED. THE OVERLAPPING CORRUGATION JOINT SYSTEM SHALL BE EFFECTIVE WHILE ALLOWING A CHAMBER TO BE TRIMMED TO SHORTEN ITS OVERALL LENGTH.
- 2.6 THE NOMINAL STORAGE VOLUME OF A JOINED STORMTECH SC-740 CHAMBER SHALL BE 74.9 CUBIC FEET PER CHAMBER WHEN INSTALLED PER STORMTECH'S TYPICAL DETAILS (INCLUDES THE VOLUME OF CRUSHED ANGULAR STONE WITH AN % POROSITY). THIS EQUATES TO ASSUMED 40 CUBIC FEET OF STORAGE/SQUARE FOOT OF BED.
- 2.2 THE CHAMBER SHALL HAVE FORTY-EIGHT ORIFICES PENETRATING THE SIDEWALLS TO ALLOW FOR LATERAL CONVEYANCE OF WATER.
- 2.7 THE CHAMBER SHALL HAVE TWO ORIFICES NEAR ITS TOP TO ALLOW FOR FQUALIZATION OF AIR PRESSURE BETWEEN ITS INTERIOR AND EXTERIOR.
- 2.8 THE CHAMBER SHALL HAVE BOTH OF ITS ENDS 2.9 OPEN TO ALLOW FOR UNIMPEDED HYDRAULIC FLOWS AND VISUAL INSPECTIONS DOWN A ROW'S

- 2.10 THE CHAMBER SHALL HAVE 14 CORRUGATIONS.
- 2.11 THE CHAMBER SHALL HAVE A CIRCULAR, INDENTED, FLAT SURFACE ON THE TOP OF THE CHAMBER FOR AN OPTIONAL 4-INCH INSPECTION

PORT OR CLEAN-OUT.

- 2.12 THE CHAMBER SHALL BE ANALYZED AND DESIGNED USING AASHTO METHODS FOR THERMOPLASTIC CULVERTS CONTAINED IN THE LRFD BRIDGE DESIGN SPECIFICATIONS, 2ND EDITION, INCLUDING INTERIM SPECIFICATIONS THROUGH 2001. DESIGN LIVE LOAD SHALL BE THE AASHTO HS20 TRUCK. DESIGN SHALL CONSIDER EARTH AND LIVE LOADS AS APPROPRIATE FOR THE MINIMUM TO MAXIMUM SPECIFIED DEPTH OF FILL.
- 2.13 THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001: 2000 CERTIFIED FACILITY.
- 3.0 END CAP PARAMETERS 3.1 THE END CAP SHALL BE INJECTION MOLDED OF POLYPROPYLENE RESIN TO BE INHERENTLY RESISTANT TO ENVIRONMENTAL STRESS CRACKING, AND TO MAINTAIN ADEQUATE STIFFNESS THROUGH

HIGHER TEMPERATURES EXPERIENCED DURING

- INSTALLATION AND SERVICE. 3.2 THE END CAP SHALL BE DESIGNED TO FIT INTO ANY CORRUGATION OF A CHAMBER, WHICH ALLOWS: CAPPING A CHAMBER THAT HAS ITS LENGTH TRIMMED: SEGMENTING ROWS INTO
- 3.3 THE END CAP SHALL HAVE SAW GUIDES TO ALLOW EASY CUTTING FOR VARIOUS DIAMETERS OF PIPE THAT MAY BE USED TO INLET THE SYSTEM.

STORAGE BASINS OF VARIOUS LENGTHS.

- 3.4 THE END CAP SHALL HAVE EXCESS STRUCTURAL ADEQUACIES TO ALLOW CUTTING AN ORIFICE OF ANY SIZE AT ANY INVERT ELEVATION.
- 3.5 THE PRIMARY FACE OF AN END CAP SHALL BE CURVED OUTWARD TO RESIST HORIZONTAL LOADS GENERATED NEAR THE EDGES OF BEDS.
- 3.6 THE END CAP SHALL BE MANUFACTURED IN AN ISO 9001: 2000 CERTIFIED FACILITY.

STORMTECH GENERAL NOTES

- CONTRACTORS TO USE AND UNDERSTAND STORMTECH'S LATEST INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION.
- 2. OUR TECHNICAL SERVICES DEPARTMENT OFFERS INSTALLATION CONSULTATIONS TO INSTALLING CONTRACTORS. CONTACT OUR TECHNICAL SERVICES REPRESENTATIVE AT LEAST 30 DAYS PRIOR TO SYSTEM INSTALLATION TO ARRANGE A PRE-INSTALLATION CONSULTATION. OUR REPRESENTATIVES CAN THEN ANSWER QUESTIONS OR ADDRESS COMMENTS ON THE STORMTECH CHAMBER SYSTEM AND INFORM THE INSTALLING CONTRACTOR OF THE MINIMUM INSTALLATION REQUIREMENTS BEFORE BEGINNING THE SYSTEM'S CONSTRUCTION. CALL 4 TO SPEAK TO A TECHNICAL SERVICE REPRESENTATIVE OR VISIT OM TO RECEIVE A COPY OF OUR INSTALLATION INSTRUCTIONS.
- 3. STORMTECH'S REQUIREMENTS FOR SYSTEMS WITH PAVEMENT DESIGN (ASPHALT, CONCRETE PAVERS, ETC.): MINIMUM COVER IS 18 INCHES NOT INCLUDING PAVFMENT: MAXIMUM COVER IS 96 INCHES INCLUDING PAVEMENT. FOR INSTALLATIONS THAT DO NOT INCLUDE PAVEMENT, WHERE RUTTING FROM VEHICLES MAY OCCUR, MINIMUM REQUIRED COVER IS 24 INCHES, MAXIMUM COVER IS 96 INCHES.
- 4. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE DESIGN ENGINEER.
- 5. AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE (FILTER FABRIC) MUST BE USED AS INDICATED IN THE PROJECT PLANS.

- 1. STORMTECH LLC ("STORMTECH") REQUIRES INSTALLING 6. STONE PLACEMENT BETWEEN CHAMBERS ROWS AND AROUND PERIMETER MUST FOLLOW INSTRUCTIONS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
 - 7. BACKFILLING OVER THE CHAMBERS MUST FOLLOW REQUIREMENTS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
 - 8. THE CONTRACTOR MUST REFER TO STORMTECH'S INSTALLATION INSTRUCTIONS FOR A TABLE OF ACCEPTABLE VEHICLE LOADS AT VARIOUS DEPTHS OF COVER. THIS INFORMATION IS ALSO AVAILABLE AT STORMTECH'S WEBSITE: WWW.STORMTECH.COM. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING VEHICLES THAT EXCEED STORMTECH'S REQUIREMENTS FROM TRAVELING ACROSS OR PARKING OVER THE STORMWATER SYSTEM. TEMPORARY FENCING, WARNING TAPE AND APPROPRIATELY LOCATED SIGNS ARE COMMONLY USED TO PREVENT UNAUTHORIZED VEHICLES FROM ENTERING SENSITIVE CONSTRUCTION
 - 9. THE CONTRACTOR MUST APPLY EROSION AND SEDIMENT CONTROL MEASURES TO PROTECT THE STORMWATER SYSTEM DURING ALL PHASES OF SITE CONSTRUCTION PER LOCAL CODES AND DESIGN ENGINEER'S SPECIFICATIONS.
 - 10. STORMTECH PRODUCT WARRANTY IS LIMITED. SEE CURRENT PRODUCT WARRANTY FOR DETAILS. TO ACQUIRE A COPY CALL STORMTECH AT -888-892-2694 **OR VISIT** WWW.STORMTECH.COM.

AASHTO M288 CLASS 2

-12" MIN ID 25" MAX OD PIPE

CLEANOUT WITH SCREW-IN CAP CLASS "C" CONCRETE FLOOR BOX FRAME AND LID W/ S.S. /PAVEMENT CAP SCREW LID CLOSURE FILTER FABRIC

STORMTECH SC-740 CHAMBER SYSTEM **INSPECTION PORT DETAIL**

MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	AASHTO M145 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
DFILL MATERIAL FROM 18" TO GRADE ABOVE CHAMBERS	ANY SOIL/ROCK MATERIALS, NATIVE SOILS OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
© FILL MATERIAL FOR 6" TO 18" ELEVATION ABOVE CHAMBERS (24" FOR UNPAVED INSTALLATIONS)	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES.	3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	A-2 A-3	COMPACT IN 6" LIFTS TO A MINIMUM 95% STANDARD PROCTOR DENSITY. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS
BEMBEDMENT STONE SURROUNDING AND TO A 6" ELEVATION ABOVE CHAMBERS	DOUBLE WASHED ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4 - 2 INCH	3, 357, 4, 467, 5, 56, 57	N/A	NO COMPACTION REQUIRED
(A) FOUNDATION STONE BELOW CHAMBERS	DOUBLE WASHED ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4 - 2 INCH	3, 357, 4, 467, 5, 56, 57	N/A	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY

- PAVEMENT PAVEMENT SUB-BASE COMPACTED FILL AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE → 6" MIN. DEPTH OF 1 - 2-INCH WASHED, CRUSHED, ANGULAR STONE BACKFILL (NHDOT 304.4) - 2-INCH WASHED, CRUSHED, ANGULAR STONE BENEATH AND AROUND CHAMBER BED. TO A DEPTH OF 24" UNDER CHAMBER (NHDOT 304.4) SC-740 CHAMBER INLET PIPE (24" MAX.)

NOTES

1. THE INSTALLER SHALL NOT ALLOW ANY VEHICULAR OR CONSTRUCTION EQUIPMENT TRAVEL TO OCCUR ACROSS THE PROPOSED RECHARGE BASIN AREA AT ANY TIME EXCEPT DURING EXCAVATION OF TOPSOIL. SUBSOIL AND OTHER MATERIALS NOT SUITABLE FOR BED BOTTOM CONDITIONS.

CAUTION SHOULD BE EXERCISED DURING SITE PREPARATION TO AVOID COMPACTION OF THE INFILTRATIVE SURFACE.

COVER ENTIRE ROW WITH

AASHTO M288 CLASS 2

-NON-WOVEN GEOTEXTILE

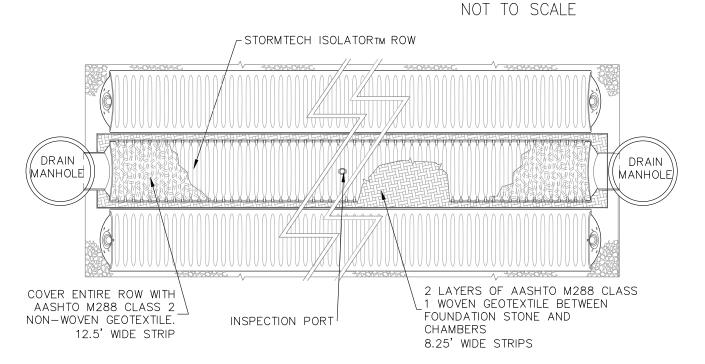
NON-WOVEN GEOTEXTILE ALL AROUND ANGULAR STONE ACCEPTABLE FILL MATERIALS STORMTECH SC-740 CHAMBER SYSTEM

MAX.

- 6" DEPTH OF STONE

MIN.

SC-740 END CAP STORMTECH SC-740 CHAMBER SYSTEM PLAN VIEW DETAIL



SC-740--8 WIDE STRIP SET 1.5" FROM BOTTOM -INSPECTION PORT SC-310---5' WIDE STRIP OF CHAMBER BY DESIGN ENGINEER DRAIN DRAIN MANHOLE MANHOLE WOVEN GEOTEXTILE THAT MEETS - AASHTO M288 CLASS 1 REQUIREMENTS. BETWEEN FOUNDATION STONE AND CHAMBERS

STORMTECH ISOLATOR™ ROW PLAN VIEW DETAIL NOT TO SCALE

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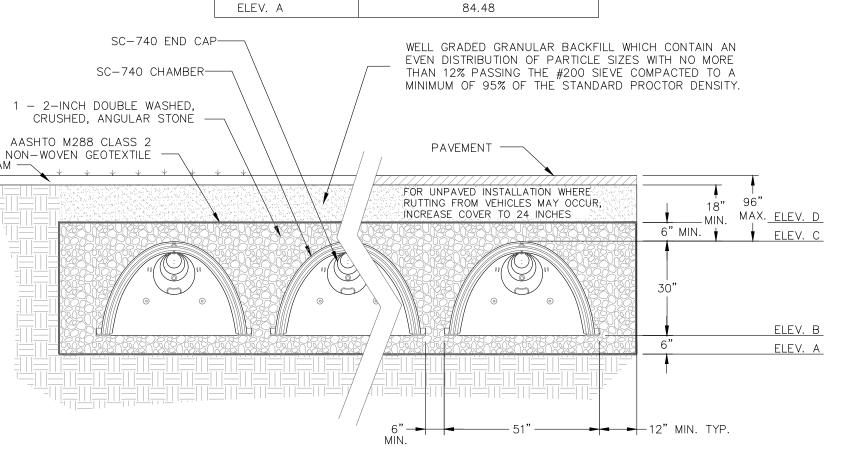
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STORMTECH ISOLATOR™ ROW & INLET **PROFILE VIEW DETAIL** NOT TO SCALE

8/6/2020 REVISIONS PER ADDITIONAL COMMENTS REV. DATE **DESCRIPTION** DR CK

STORMTECH CHAMBER SYSTEM 1 ELEV. D 87.98 ELEV. C 87.48 86.02 ELEV. OUTLET ELEV. INLET(S) 85.08 ELEV. B 84.98



STORMTECH SC-740 CHAMBER SYSTEM TYPICAL CROSS SECTION DETAIL

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UNDERGROUND STORMWATER DETENTION SYSTEM **OPERATION AND MAINTENANCE PLAN**

THE OWNER IS RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF THE PROPOSED STORMWATER COLLECTION SYSTEM INCLUDING ROUTINE INSPECTION, CLEANING AND MAINTENANCE OF MANHOLES, DEEP SUMP HOODED CATCH BASINS, CLEAN OUTS, UNDERGROUND

SCHEDULE FOR INSPECTION AND MAINTENANCE AFTER CONSTRUCTION:

STREET SWEEPING

-STREET SWEEPING EFFORTS SHALL BE CONDUCTED AT LEAST ONCE A MONTH OUTSIDE OF WINTER MONTHS.

-SAND SWEPT FROM THE ROADWAYS AND PARKING LOTS WILL BE REMOVED TO AN APPROVED OFF-SITE LOCATION.

DEEP SUMP CATCH BASINS & LEACHING CATCH BASINS

DETENTION SYSTEMS AND REGULAR STREET SWEEPING.

-INLETS SHOULD BE CLEANED ANNUALLY AND INSPECTED SEMI-ANNUALLY.

-ALL SEDIMENTS, FLOATABLES, AND HYDROCARBONS SHOULD BE PROPERLY HANDLED AND DISPOSED OF, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS.

UNDERGROUND DETENTION SYSTEMS (STORMTECH ISOLATOR SC-740 CHAMBER OR EQUAL)

-ISOLATOR ROWS AND PIPE HEADERS SHALL BE INSPECTED IMMEDIATELY AFTER COMPLETION OF THE SITE'S CONSTRUCTION. THE NORMAL INSPECTION SCHEDULE AFTER CONSTRUCTION FOR ISOLATOR ROWS IS SEMI ANNUAL UNTIL AN UNDERSTANDING OF THE SITE'S CHARACTERISTICS IS DEVELOPED. PIPE HEADERS SHOULD BE INSPECTED QUARTERLY AFTER CONSTRUCTION.

-INSPECTION OF THE ISOLATOR ROW SHALL INVOLVE A VISUAL CHECK USING EITHER THE INSPECTION PORTS OR AN

-IF UPON VISUAL INSPECTION OF THE ISOLATOR ROW, IT IS FOUND THAT SEDIMENT HAS ACCUMULATED TO AN AVERAGE DEPTH EXCEEDING 3 INCHES, CLEANOUT IS REQUIRED.

-CLEANOUT OF SEDIMENT WITHIN THE PIPE HEADER IS REQUIRED WHEN THE SEDIMENT VOLUME HAS REDUCED THE STORAGE AREA BY 25% OR THE DEPTH OF SEDIMENT HAS REACHED APPROXIMATELY 25% OF THE DIAMETER OF THE STRUCTURF.

-CLEANOUT OF THE ACCUMULATED MATERIAL IN THE PIPE HEADER SHOULD BE ACCOMPLISHED BY VACUUM PUMPING. CLEANOUT SHOULD BE PERFORMED DURING DRY WEATHER AND CARE SHOULD BE TAKEN TO AVOID FLUSHING SEDIMENTS OUT THROUGH THE OUTLET PIPES AND INTO THE CHAMBER ROWS.

A SITE MAINTENANCE LOG WILL BE KEPT. THIS LOG WILL RECORD THE DATES WHEN MAINTENANCE TASKS WERE COMPLETED, THE PERSON WHO COMPLETED THE TASK, AND ANY OBSERVATIONS OF MALFUNCTIONS IN COMPONENTS OF THE STORMWATER MANAGEMENT SYSTEM. CALL 1-888-892-2694 TO SPEAK TO A TECHNICAL REPRESENTATIVE OR VISIT WWW.STORMTECH.COM.

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

DETAILS

PROPOSED BUILDING ADDITION 30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

FEBRUARY 25, 2020



/il Engineers Structural Engineers raffic Engineers _and Surveyors andscape Architects 48 Constitution Drive Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

CK CRR CADFILE

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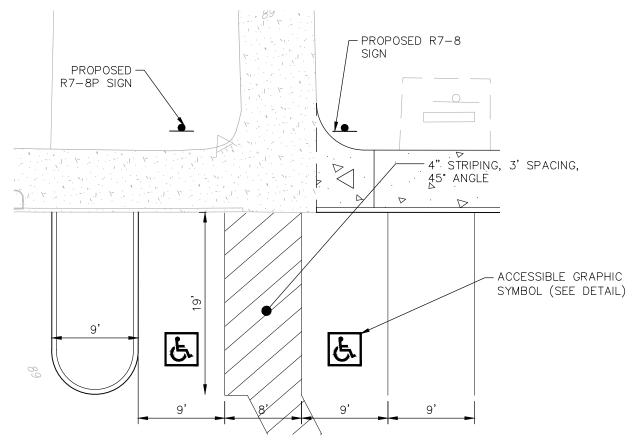
C - 15

GRAVEL COMPACTED - BACK TO UNDISTURBED SEE NOTE 5-6 CUBIC FEET OF 1 1/2" CRUSHED STONE TO BE MUELLER FIRE PLACED AROUND BASE OF HYDRANT — HYDRANT 6" DUCTILE IRON PIPE - LENGTH 2 - 3/4" DIA STAINLESS VARIES WITH STEEL THREADED RODS LOCATION OF SEE NOTE 3 HYDRANT -MECHANICAL JOINT SWIVEL TEE WITH 6" MECHANICAL JOINT GLANDS — RESILIENT SEAT GATE VALVE WITH BOX TO SURFACE (OPEN RIGHT) PLAN VIEW - SEE NOTE 5

NOTE

- 1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO D.P.W. TECHNICAL SPECIFICATIONS.
- 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5'-6" FROM TOP OF PIPE TO FINISH GRADE.
- 3. ALL THREADED RODS AND NUTS MUST BE STAINLESS STEEL.
- 4. WHEN DISTANCE FROM WATERMAIN TO HYDRANT IS MORE THAN 10', SUBSTITUTE MEGALUGS IN LIEU OF THREADED ROD OR GRIP RINGS.
- 5. MIN 2'x2'x4' PRECAST CONCRETE THRUST BLOCK MAY BE USED WITH D.P.W. APPROVAL OR CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH - SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATERMAIN.

NOT TO SCALE



- 1. TRAFFIC PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER AND SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F". APPLY TWO COATS.
- 2. SYMBOLS AND PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, LATEST EDITION.

PAINTED ARROW

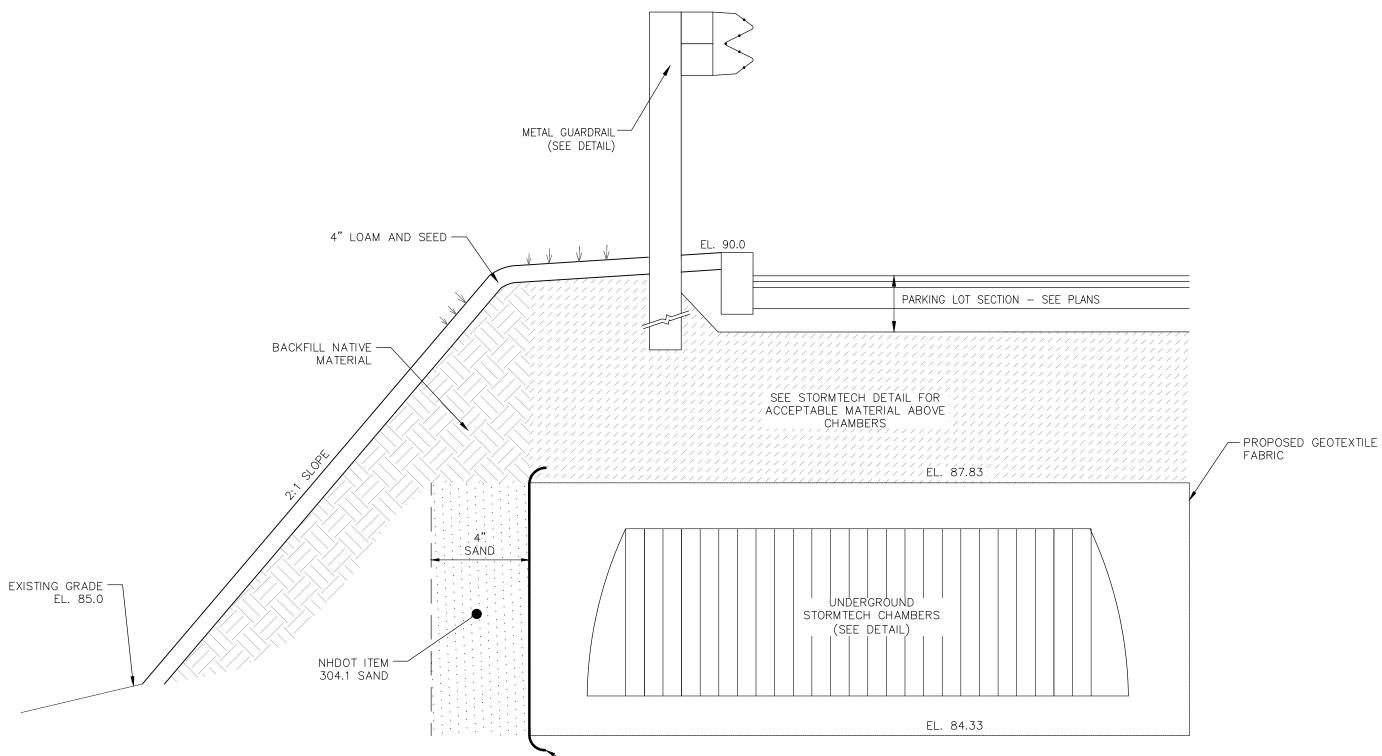
NOT TO SCALE

<u>NOTES</u>

- 1. TRAFFIC PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER AND SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F". APPLY TWO COATS.
- 2. SYMBOLS AND PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, LATEST EDITION.
- 3. 2% MAXIMUM CROSS SLOPE ALLOWED IN ACCESSIBLE PARKING SPACES AND ACCESS

TYPICAL PARKING LAYOUT

NOT TO SCALE

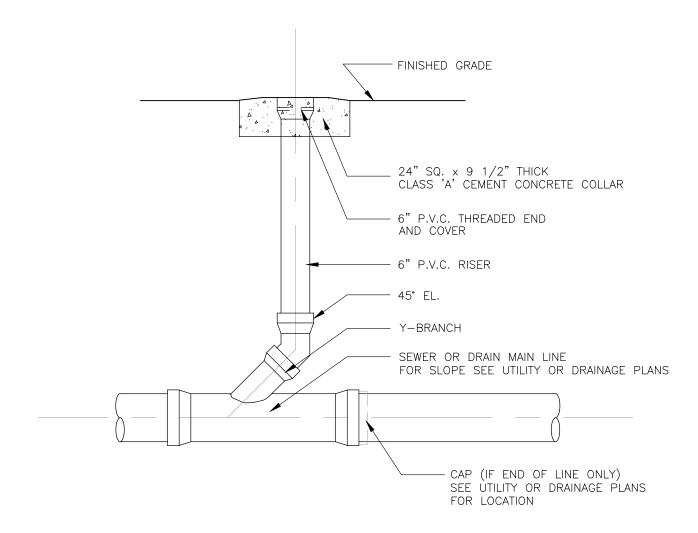


40 MIL PVC CONTINUOUS

-IMPERVIOUS BARRIER

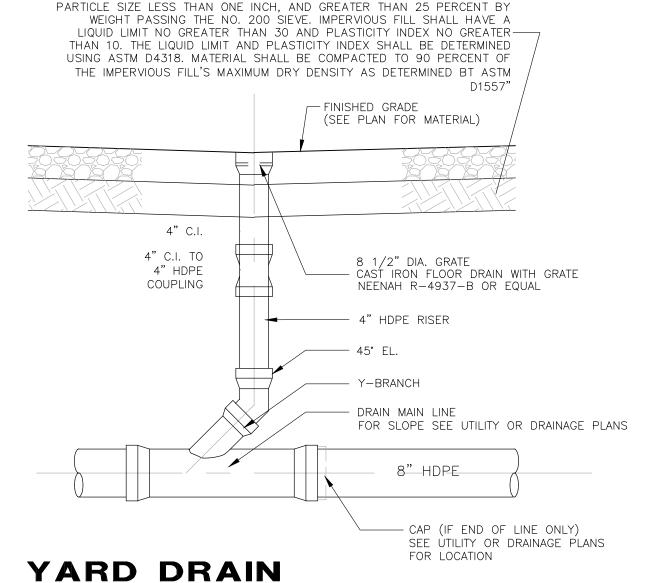
IMPERVIOUS BARRIER - STORMTECH SYSTEM

NOT TO SCALE



DRAINAGE CLEAN OUT

NOT TO SCALE



"IMPERVIOUS FILL SHALL BE FREE OF ORGANIC MATTER, HAVE A MAXIMUM

NOT TO SCALE

SITE DEVELOPMENT PLANS

TAX MAP 65 LOT 146

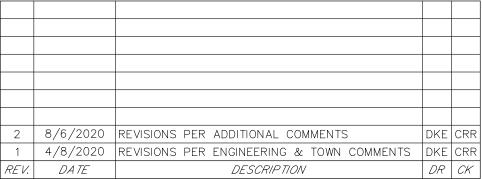
DETAILS

PROPOSED BUILDING ADDITION **30 MAGNOLIA LANE EXETER, NEW HAMPSHIRE**

OWNED BY/PREPARED FOR

SEACOAST MENTAL HEALTH CENTER RESOURCE GROUP, INC.

FEBRUARY 25, 2020



DR CK

48 Constitution Drive ivil Engineers Structural Engineers Bedford, NH 03110 Traffic Engineers Phone (603) 472-4488 Land Surveyors Fax (603) 472-9747 _andscape Architects www.tfmoran.com

DETAILS

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47255.01 DR DKE FB CK CRR CADFILE

C - 16



FRONT ELEVATION



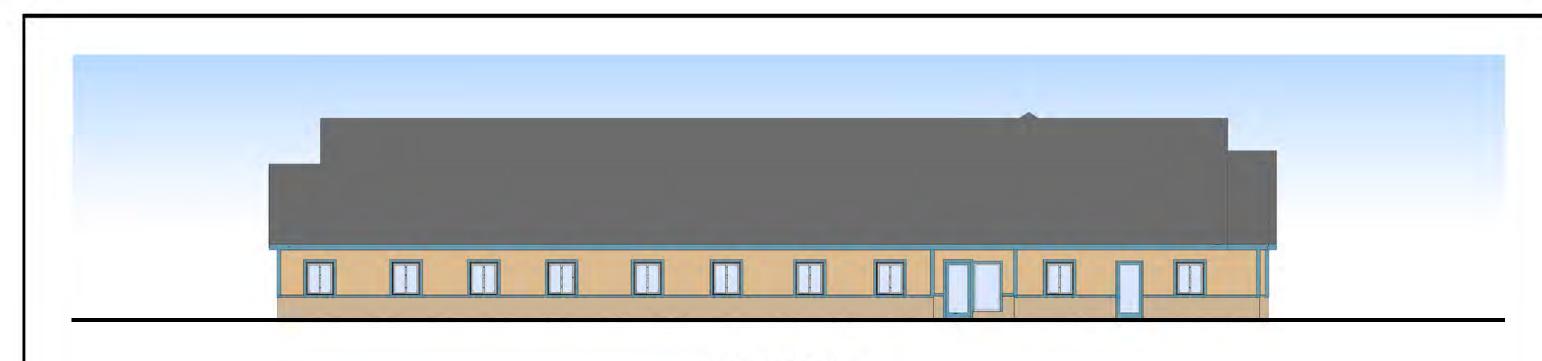
BACK ELEVATION

PROJECT NO. 2018041

SEACOAST MENTAL HEALTH ADDITION
30 PROSPECT AVE, EXETER, NH

A1.00





RIGHT ELEVATION



LEFT ELEVATION

A2.00

SEACOAST MENTAL HEALTH ADDITION
30 PROSPECT AVE, EXETER, NH

PROJECT NO. 2018041

