

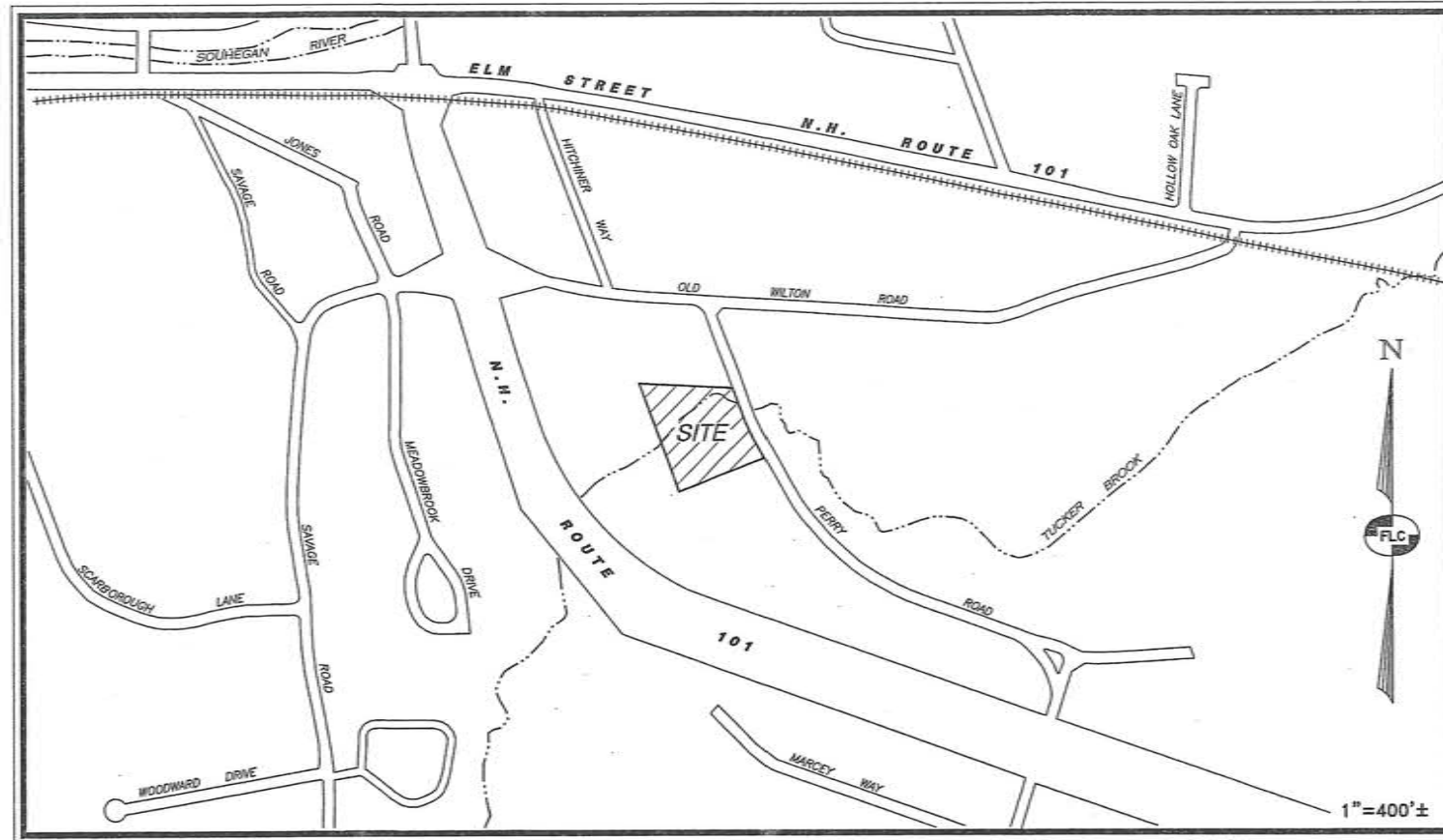
NON-RESIDENTIAL SITE PLAN SET

SELF-STORAGE DEVELOPMENT & BUILDING ADDITION

TAX MAP PARCEL 7-25 - 19 PERRY ROAD

MILFORD, NEW HAMPSHIRE

APRIL 30, 2019
LAST REVISED: N/A



SHEET INDEX		
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7	DT-2	CONSTRUCTION DETAILS
8	DT-4	EROSION CONTROL DETAILS



PREPARED FOR AND LAND OF:
WILLIAM T. MAHAR
19 PERRY ROAD
MILFORD, NH 03055-4308

APPROVED

MILFORD, NH PLANNING BOARD
SUBDIVISION #: _____
DATE APPROVED: _____
SIGNED: _____

1. THE LOCATION OF THE UTILITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PRESERVE ALL UTILITY SERVICES.

2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL JURISDICTIONAL AGENCIES AND UTILITY COMPANIES PRIOR TO AND DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROPOSED WORK PRIOR TO CONSTRUCTION.

CONTACT DIG SAFE 72 HOURS PRIOR TO CONSTRUCTION
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REV.	DATE	DESCRIPTION	C/O	DR	CK

FILE: 1968CV00.dwg PROJ. NO. 1968.00 SHEET: CV-1 PAGE NO. 1 OF 8

REFERENCE PLANS:

1. "MINOR SITE PLAN - LOT 7-25 - WILLIAM T. MAHAR, JR. AND CHERYL L. SPAULDING - MILFORD, NEW HAMPSHIRE, SCALE 1"=40', DATED OCTOBER 15, 2004, BY MONADNOCK SURVEY, INC. AVAILABLE AT THE MILFORD PLANNING DEPARTMENT.
2. "PLAN OF TAX PARCEL - J.G. MACLELLAN CONCRETE CO. INC. - MILFORD, N.H., SCALE 1"=100', DATED JULY 2, 1980, BY THOMAS F. MORAN INC., RECORDED IN THE H.C.R.D. AS PLAN NO. 13339.
3. "SUBDIVISION PLAN (LOT 26 MAP 7) - 108 OLD WILTON ROAD - MILFORD, NEW HAMPSHIRE - PREPARED FOR/RECORD OWNER: ROGER A. BUCKNAM", SCALE 1"=40', DATED NOVEMBER 8, 2007, BY HAYNER/SWANSON, INC., RECORDED IN THE H.C.R.D. AS PLAN NO. 35640.
4. "LOT LINE REVISION PLAN FOR - CHALET SUSSE INTERNATIONAL AND - HITCHNER MFG. CO., INC. - TAX MAP NO. 7-53 & 7-53-1, 53-2 - PERRY ROAD, MILFORD, N.H., SCALE 1"=100', DATED MAY 6, 1988, BY DAVID M. O'HARA & ASSOCIATES, RECORDED IN THE H.C.R.D. AS PLAN NO. 15624.

CERTIFICATION:

WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLANDS DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTH-CENTRAL REGION AND FIELD INDICATORS FOR HYDRIC SOILS IN NEW ENGLAND, BY CHRISTOPHER A. GUIDA, C.W.S. IN OCTOBER 2018.

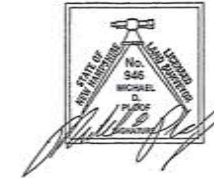
DATE: 4/30/19



CERTIFICATION:

I HEREBY CERTIFY THAT THE EXISTING IMPROVEMENTS SHOWN ARE THE RESULT OF A FIELD SURVEY PERFORMED BY FIELDSTONE LAND CONSULTANTS, PLLC DURING THE MONTH OF OCTOBER 2018.

DATE: 4/30/19



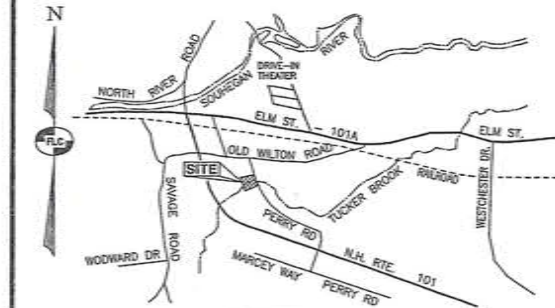
LEGEND:

- 7-26-1 TAX MAP AND LOT NUMBER
- RIGHT-OF-WAY SIDELINE
- PROPERTY LINE
- ABUTTING LOT LINE
- BUILDING SETBACK LINE
- EDGE OF FRAGMENT
- EDGE OF DRIVE ROAD
- EDGE OF WATER
- UG UNDERGROUND UTILITIES
- OH OVERHEAD UTILITIES
- S SEWER LINE
- W WATER LINE
- DRAIN LINE
- GUARD RAIL
- EDGE OF WETLANDS
- WETLAND BUFFER
- FLOODHAY AREA
- STONE WALL
- 270 10' CONTOUR INTERVAL
- 280 2' CONTOUR INTERVAL
- TREE LINE
- WETLAND FLAG NUMBER
- BUILDING
- DAH(F) DRILL HOLE FOUND
- LPN(F) RIM PIN FOUND
- NALC(B) N.H. CONCRETE BOUND FOUND
- SEWER MANHOLE
- CATCH BASIN (SQUARE)
- SINGLE POST SIGN
- WATER HORNET
- WATER WADLE
- WELL
- UTILITY POLE AND GUY WIRE

NRCS SOILS LEGEND:

SOURCE: USDA NRCS WEB SOIL SURVEY

- SOIL BOUNDARY
- HsB HINCKLEY LOAMY SAND 3 TO 8% SLOPES
- HsD HINCKLEY LOAMY SAND 15 TO 25% SLOPES
- Rp RIPPOWAM FINE SANDY LOAM



LOCUS
SCALE: 1"=2,000'±

NOTES:

1. THE OWNER OF RECORD FOR TAX MAP PARCEL 7-25 IS WILLIAM T. MAHAR, 19 PERRY ROAD, MILFORD, NH 03055-4308. DEED REFERENCE TO PARCEL IS VOL.7913 PG.2885 DATED OCTOBER 25, 2007 IN THE H.C.R.D.
2. THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS OF TAX MAP PARCEL 7-25 AS SHOWN.
3. THE TOTAL AREA OF TAX MAP PARCEL 7-25 IS 140,140 SQ. FT. OR 3.217 ACRES. LOT FRONTAGE IS 317.83' ALONG PERRY ROAD.
4. THE PROPERTY IS LOCATED WITHIN THE INTEGRATED COMMERCIAL-INDUSTRIAL (CI-2) DISTRICT.
LOT REQUIREMENTS INCLUDE:
MIN LOT SIZE: 40,000 S.F. FOR AREAS NOT SERVICED BY MUNICIPAL SEWER AND WATER.
ROAD FRONTAGE: 150 FT. ON A CLASS V OR BETTER ROAD
BUILDING SETBACKS: FRONT- 30', SIDE AND REAR- 15'
5. THE WETLAND CONSERVATION DISTRICT OVERLAY REQUIRES A 50' BUFFER SETBACK FROM SURFACE WATERS.
6. HORIZONTAL ORIENTATION IS BASED ON REFERENCE PLAN #1. VERTICAL DATUM IS NAVD88 PER REFERENCE PLAN #1.
7. THE SURFACE FEATURES AND SITE TOPOGRAPHY SHOWN ARE THE RESULT OF AN ON SITE FIELD SURVEY BY THIS OFFICE DURING THE MONTH OF OCTOBER 2018 TOGETHER WITH THE REFERENCE PLANS CITED HEREON.
8. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN COMPILED IN PART FROM PLANS OF RECORD AND FIELD LOCATION. THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITIES.
9. JURISDICTIONAL WETLANDS WERE MAPPED AND LOCATED BY THIS OFFICE DURING THE MONTH OF OCTOBER 2018.
10. OPEN SPACE AREA IS 2.60 ACRES OR 80.9% OF THE TOTAL PARCEL AREA. MINIMUM REQUIREMENT IS 30%.
11. BASED ON A FIELD INSPECTION BY THIS OFFICE THE ENTRANCE TO THE SITE SATISFIES THE MILFORD MINIMUM SAFE SIGHT DISTANCE REQUIREMENTS.
12. THE SITE IS CURRENTLY SERVICED BY A ON-SITE INDIVIDUAL SEWER SYSTEM, WELL AND OVERHEAD UTILITIES.
13. THE NORTHERN PORTION OF THE PARCEL LIES WITHIN THE AE ZONE OF THE FLOOD HAZARD AREA PER FEMA F.I.R.M. PANEL 33011C0454D DATED SEPTEMBER 25, 2009. THE CALCULATED BASE FLOOD ELEVATION IS 270.0'.
14. THE SUBJECT PARCEL LIES WITHIN THE LEVEL 1 GROUNDWATER PROTECTION DISTRICT.
15. TO THE BEST OF MY KNOWLEDGE AND BELIEF, THERE ARE NO KNOWN DEED RESTRICTIONS ON THE PROPERTY OTHER THAN THOSE SHOWN.
16. THE NORTHERN PORTION OF THE SUBJECT PROPERTY LIES WITHIN THE WEST ELM GATEWAY DISTRICT AND IS SUBJECT TO THE REQUIREMENTS AND RESTRICTIONS SET FORTH IN SECTION 6.07.0 OF THE MILFORD ZONING ORDINANCE.
17. THE SOUTHERN PORTION OF SUBJECT PROPERTY LIES WITHIN THE COMMERCE COMMUNITY OVERLAY DISTRICT AND IS SUBJECT TO THE REQUIREMENTS AND RESTRICTIONS SET FORTH IN SECTION 6.06.0 OF THE MILFORD ZONING ORDINANCE.

REV.	DATE	DESCRIPTION	C/O	DR	CK

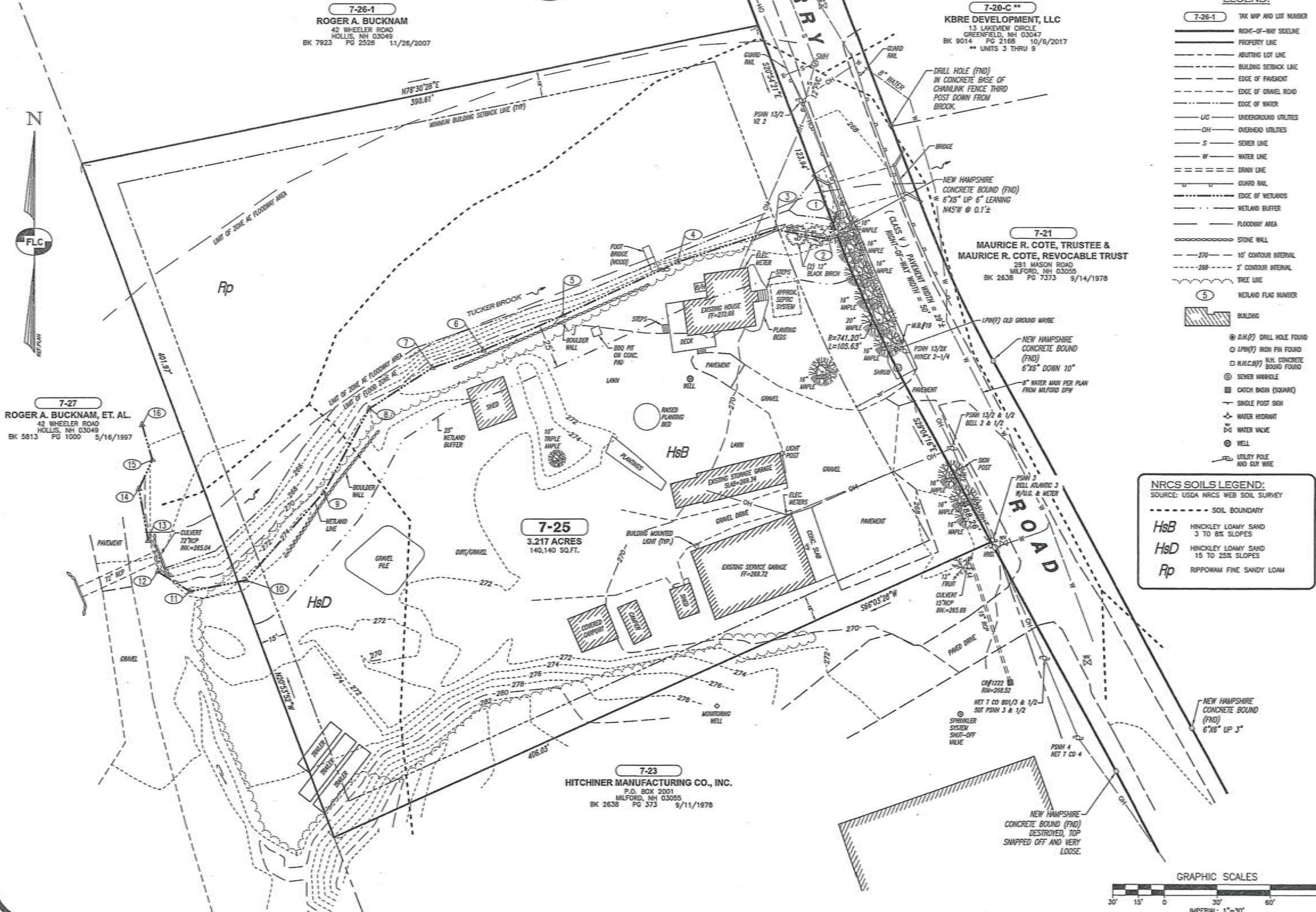
EXISTING CONDITIONS PLAN
TAX MAP PARCEL 7-25 - 19 PERRY ROAD
MILFORD, NEW HAMPSHIRE
PREPARED FOR AND LAND OF:
WILLIAM T. MAHAR
19 PERRY ROAD, MILFORD, NH 03055-4308

SCALE: 1" = 30' OCTOBER 24, 2018

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7-27
ROGER A. BUCKNAM, ET AL.
42 WHEELER ROAD
HOLLIS, NH 03049
BK 5813 PG 1000 5/16/1997

7-26-1
ROGER A. BUCKNAM
42 WHEELER ROAD
HOLLIS, NH 03049
BK 7923 PG 2526 11/26/2007

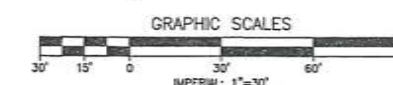
7-25
3.217 ACRES
140,140 SQ.FT.

7-23
HITCHNER MANUFACTURING CO., INC.
P.O. BOX 2001
MILFORD, NH 03055
BK 2638 PG 373 9/11/1978

7-20-C*
SANFORD REALTY, LLC
13 LAKEVIEW CIRCLE
GREENFIELD, NH 03047
BK 8658 PG 1153 6/24/2014
* UNITS 1, 2, 10, 11 & 12

7-20-C**
KBRE DEVELOPMENT, LLC
13 LAKEVIEW CIRCLE
GREENFIELD, NH 03047
BK 9014 PG 2169 10/16/2017
** UNITS 3 THRU 9

7-21
MAURICE R. COTE, TRUSTEE &
MAURICE R. COTE, REVOCABLE TRUST
281 WILSON ROAD
MILFORD, NH 03055
BK 2638 PG 7373 9/14/1978



PROPOSED NOTES:

- THE PURPOSE OF THIS PLAN IS TO DEPICT A PROPOSED SELF STORAGE DEVELOPMENT AND AN ADDITION TO GRA AUTOMOTIVE WITH ASSOCIATED SITE IMPROVEMENTS FOR TAX MAP PARCEL 7-25.
- THE PROPOSED DEVELOPMENT WILL BE SERVICED BY UNDERGROUND UTILITIES USING EXISTING CONNECTIONS.
- SITE LIGHTING SHALL BE BUILDING MOUNTED, DOWNCAST AND SHIELDED PER THE MILFORD DEVELOPMENT REGULATIONS.
- REFUSE SHALL BE COLLECTED INSIDE THE BUILDING AND REMOVED BY THE OCCUPANTS.
- THE PROPOSED SITE DEVELOPMENT WILL UTILIZE EXISTING LANDSCAPING/SCREENING AS SHOWN AND PROPOSES ADDITIONAL LANDSCAPING/SCREENING IN PLACES NECESSARY.
- THERE IS NO PROPOSED PROJECT SIGNAGE AT THIS TIME. ANY PROPOSED SIGNS WILL REQUIRE A SIGN PERMIT FROM THE MILFORD BUILDING DEPARTMENT.
- THIS PROJECT WILL BE SUBJECT TO POLICE IMPACT FEES WHICH WILL BE DETERMINED AT THE TIME OF THE BUILDING PERMIT APPLICATION.
- EXISTING OPEN SPACE AREA IS 2.40 ACRES OR 74.6% OF THE TOTAL PARCEL AREA. PROPOSED OPEN SPACE IS 2.35 ACRES OR 72.9% OF THE TOTAL PARCEL AREA. MINIMUM REQUIREMENT IS 30%.
- AS-BUILT PLANS SHALL BE DELIVERED TO THE BUILDING DEPARTMENT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

REFERENCE PLANS:

- "MINOR SITE PLAN - LOT 7-25 - WILLIAM T. MAHAR, JR. AND CHERYL L. SPAULDING - MILFORD, NEW HAMPSHIRE, SCALE 1"=40', DATED OCTOBER 15, 2004, BY MONADNOCK SURVEY, INC. AVAILABLE AT THE MILFORD PLANNING DEPARTMENT.
- "PLAN OF TAX PARCEL - J.G. MACLELLAN CONCRETE CO. INC. - MILFORD, N.H., SCALE 1"=100', DATED JULY 2, 1980, BY THOMAS F. MORAN INC., RECORDED IN THE H.C.R.D. AS PLAN NO.13339.
- "SUBDIVISION PLAN (LOT 28 MAP 7) - 108 OLD WILTON ROAD - MILFORD, NEW HAMPSHIRE - PREPARED FOR/RECORD OWNER: ROBERT A. BUCKNAM, SCALE 1"=40', DATED NOVEMBER 8, 2007, BY HAYNER/SWANSON, INC., RECORDED IN THE H.C.R.D. AS PLAN NO.35840.
- "LOT LINE REVISION PLAN FOR - CHALET SUSSE INTERNATIONAL AND - HITCHNER MFG. CO., INC. - TAX MAP NO. 7-53 & 7-53-1, 53-2 - PERRY ROAD, MILFORD, N.H., SCALE 1"=100', DATED MAY 6, 1986, BY DAVID M. O'HARA & ASSOCIATES, RECORDED IN THE H.C.R.D. AS PLAN NO.15624.

I, THE UNDERSIGNED, HAVE REVIEWED THIS PLAN AND DO HEREBY AGREE THAT THIS PLAN REPRESENTS LOT 7-25 AS KNOWN AND THAT ALL PROPOSED IMPROVEMENTS SHOWN HEREON MEET MY APPROVAL.

OWNER OF PARCEL 7-25 _____ DATE _____

LEGEND:

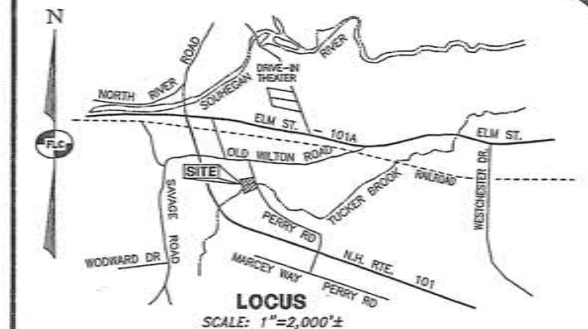
EXISTING FEATURES

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- RIGHT-OF-WAY SIDELINE
- PROPERTY LINE
- ABUTTING LOT LINE
- BUILDING SETBACK LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL ROAD
- EDGE OF WATER
- UNDERGROUND UTILITIES
- UC OVERHEAD UTILITIES
- S SEWER LINE
- W WATER LINE
- DRAIN LINE
- GUARD RAIL
- EDGE OF WETLANDS
- WETLAND BUFFER
- FLOODWAY AREA
- STONE WALL
- 10' CONTOUR INTERNAL
- 2' CONTOUR INTERNAL
- TREE LINE

- BUILDING
- DRILL HOLE FOUND
- IRON PIPE FOUND
- CONCRETE FOUND
- SEWER MANHOLE
- CATCH BASIN (SOURCE)
- SINGLE POST SIGN
- WATER HIGHWAY
- WATER VALVE
- WELL
- UTILITY POLE AND CUP WIRE

PROPOSED FEATURES

- EDGE OF PAVEMENT
- LIMITS OF CLEARING
- TRAFFIC FLOW (NOT PAINTED ARROWS)
- DOWNCAST BUILDING LIGHT
- BOLLARD
- CATCH BASIN
- PAVEL/GRAVEL AREA
- PROPOSED BUILDING



NOTES:

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PHASING NOTES:

- THIS PROJECT WILL BE CONSTRUCTED IN THREE PHASES.
 - THE FIRST PHASE WILL CONSIST OF GRADING THE ENTIRE SITE AND INSTALLING/CONSTRUCTING ALL DRAINAGE IMPROVEMENTS AS SHOWN. ALL UNDERGROUND UTILITIES WILL BE CONSTRUCTED AND INSTALLED FOR THE BUILDINGS DURING THIS PHASE. THIS PHASE ALSO INCLUDES THE CONSTRUCTION OF BUILDING "B" AND ASSOCIATED GRAVEL AREAS AS SHOWN. OUTDOOR STORAGE MAY BE PERMITTED IN THE FOOTPRINT OF BUILDING "A" IN THIS PHASE.
 - PHASE TWO WILL LIKELY CONSIST OF CONSTRUCTING BUILDINGS "A" AND "C"
 - PHASE THREE WILL CONSIST OF CONSTRUCTING THE PROPOSED ADDITION AS SHOWN.
- * NOTE: BUILDING CONSTRUCTION PHASING MAY BE ADJUSTED BASED ON MARKET DEMAND AND OWNER DISCRETION.

REV.	DATE	DESCRIPTION	C/O	DR	CK

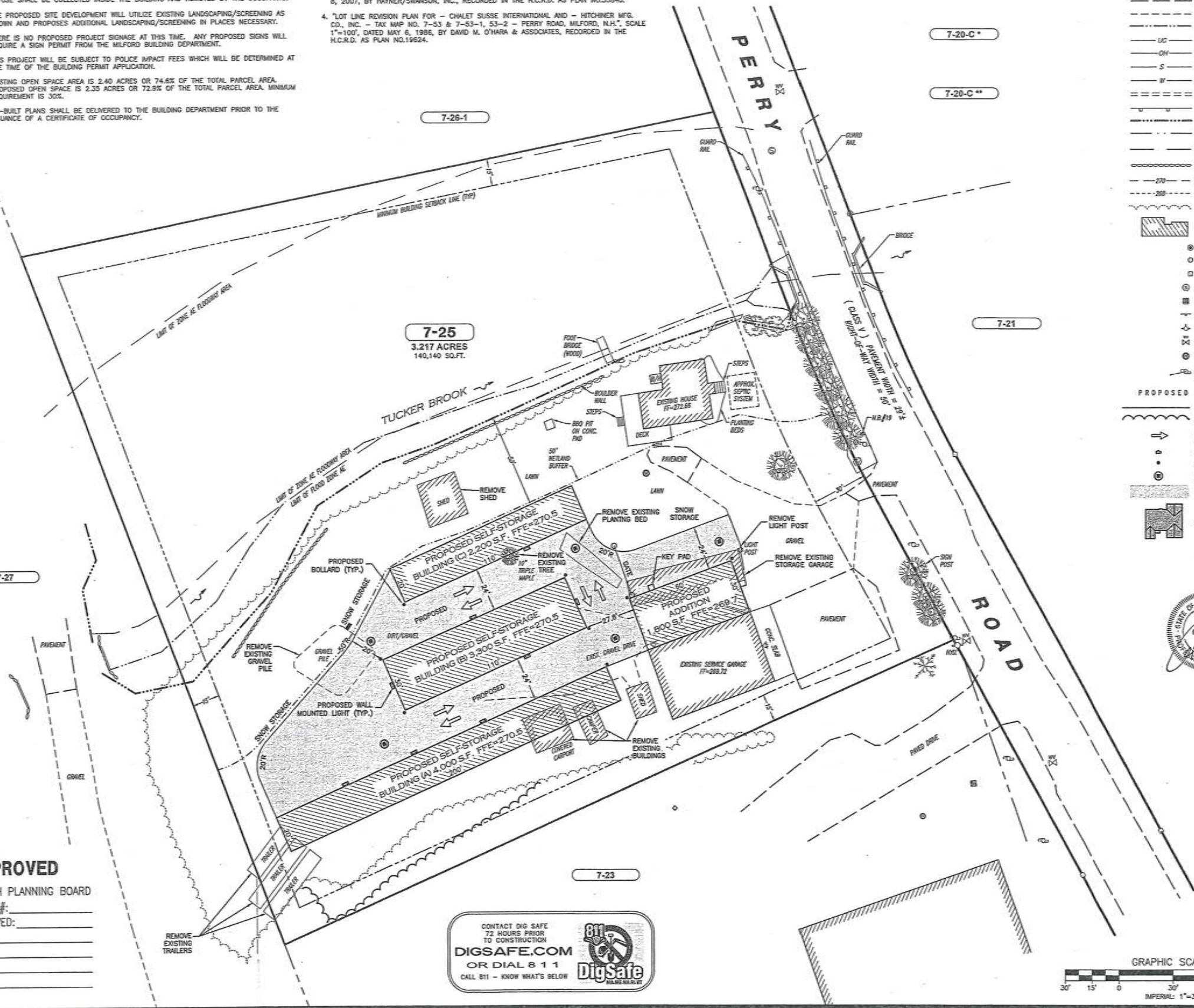
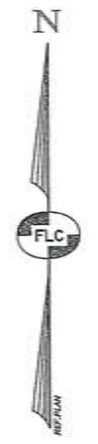
SITE PLAN
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MILFORD, NEW HAMPSHIRE
 PREPARED FOR AND LAND OF:
WILLIAM T. MAHAR
 19 PERRY ROAD, MILFORD, NH 03055-4308

SCALE: 1" = 30' APRIL 30, 2019

Surveying + Engineering + Land Planning + Permitting + Septic Designs

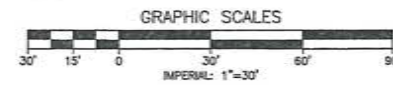
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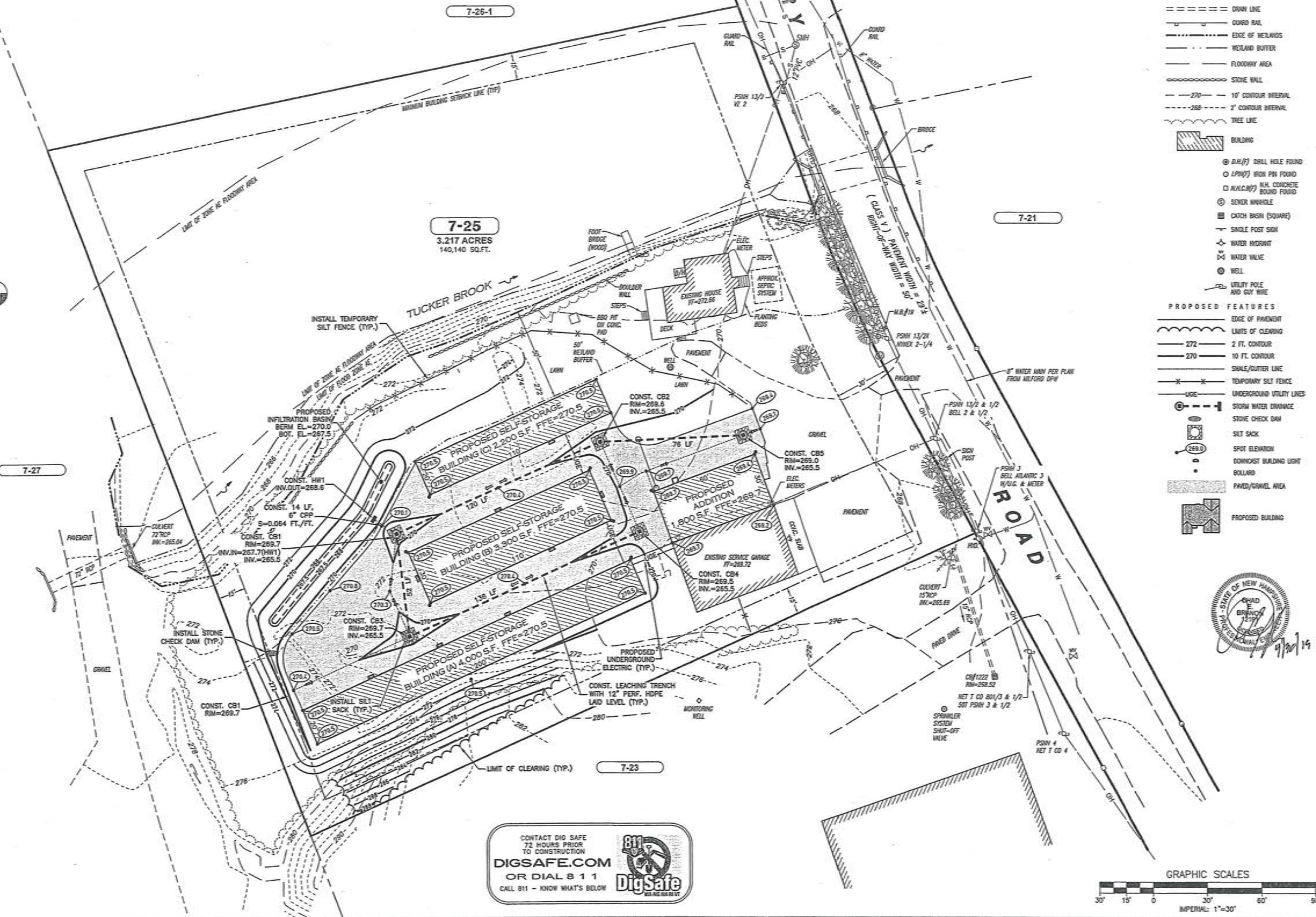
APPROVED
 MILFORD, NH PLANNING BOARD
 SUBDIVISION #: _____
 DATE APPROVED: _____
 SIGNED: _____

CONTACT DIG SAFE
 72 HOURS PRIOR
 TO CONSTRUCTION
DIGSAFE.COM
 OR DIAL 8 1 1
 CALL 811 - KNOW WHAT'S BELOW



REFERENCE PLANS:

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LEGEND:

EXISTING FEATURES

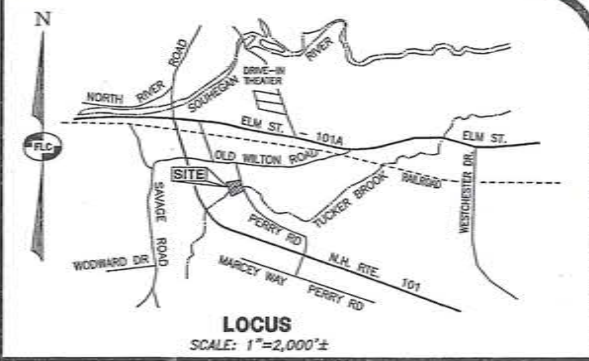
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- EDGE OF CANAL ROAD
- EDGE OF WATER
- UG UNDERGROUND UTILITIES
- OH OVERHEAD UTILITIES
- S SEWER LINE
- W WATER LINE
- DRAIN LINE
- CURB RAIL
- EDGE OF WELANDS
- WELAND BUFFER
- FLOODING AREA
- STONE WALL
- 10' CONTOUR INTERVAL
- 2' CONTOUR INTERVAL
- TREE LINE

PROPOSED FEATURES

- EDGE OF PAVEMENT
- UNITS OF CLEARING
- 2 FT. CONTOUR
- 10 FT. CONTOUR
- SHALE/OUTER LINE
- TEMPORARY SILT FENCE
- UNDERGROUND UTILITY LINES
- STORM WATER DRAINAGE
- STONE CHECK DAM
- SILT SACK
- SPOT ELEVATION
- DOWNDRAST BUILDING LIGHT
- ROLLBAR
- PAVED/GRVEL AREA
- PROPOSED BUILDING

SYMBOLS:

- Ø 8" (Ø) DRILL HOLE FOUND
- (Ø) IRON PIN FOUND
- (Ø) N.H. CONCRETE FOUND FOUND
- ⊙ SEWER MANHOLE
- ⊞ CATCH BASIN (SQUARE)
- ⊞ SINGLE POST SIGN
- ⊞ WATER MOUNT
- ⊞ WATER VALVE
- ⊙ WELL
- ⊞ UTILITY POLE AND CUY WIRE



- GENERAL CONSTRUCTION NOTES:**
1. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF MILFORD AND SHALL BE BUILT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE TOWN OF MILFORD DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS FOR ROAD CONSTRUCTION AND SEWERS AND DRAINS AND THE NHDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION APPROVED AND ADOPTED 2010 ARE HEREBY INCORPORATED BY REFERENCE.
 2. ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS AND THE SPECIFICATIONS NOTED ABOVE. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN/CITY BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACT "DIGSAFE" AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION (DIAL 811).
 5. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE CITY DEPARTMENTS PRIOR TO CONSTRUCTION TO ARRANGE FOR NECESSARY INSPECTIONS.
 6. ALL DISTURBED NON-PAVED AREAS SHALL BE LOANED AND SEEDED IMMEDIATELY UPON BEING CONSTRUCTED.
 7. ALL TRAFFIC SIGNS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.
 8. EXISTING PAVEMENT SHALL BE SAW-CUT AS NECESSARY. THE CONTRACTOR SHALL ENSURE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW PAVEMENT.
 9. ALL POWER WORK SHALL CONFORM TO EXISTING STANDARDS.
 10. ALL TELEPHONE WORK SHALL CONFORM TO FAIRPOINT COMMUNICATIONS SPECIFICATIONS.
 11. STREET RESTORATION, IF ANY, SHALL BE IN ACCORDANCE WITH TOWN OF MILFORD SPECIFICATIONS.

REV.	DATE	DESCRIPTION	C/O	DR	CK

GRADING & UTILITY PLAN
TAX MAP PARCEL 7-25 - 19 PERRY ROAD
MILFORD, NEW HAMPSHIRE
 PREPARED FOR AND LAND OF:
WILLIAM T. MAHAR
 19 PERRY ROAD, MILFORD, NH 03055-4308

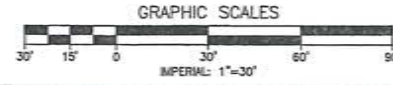
SCALE: 1" = 30'
 APRIL 30, 2019

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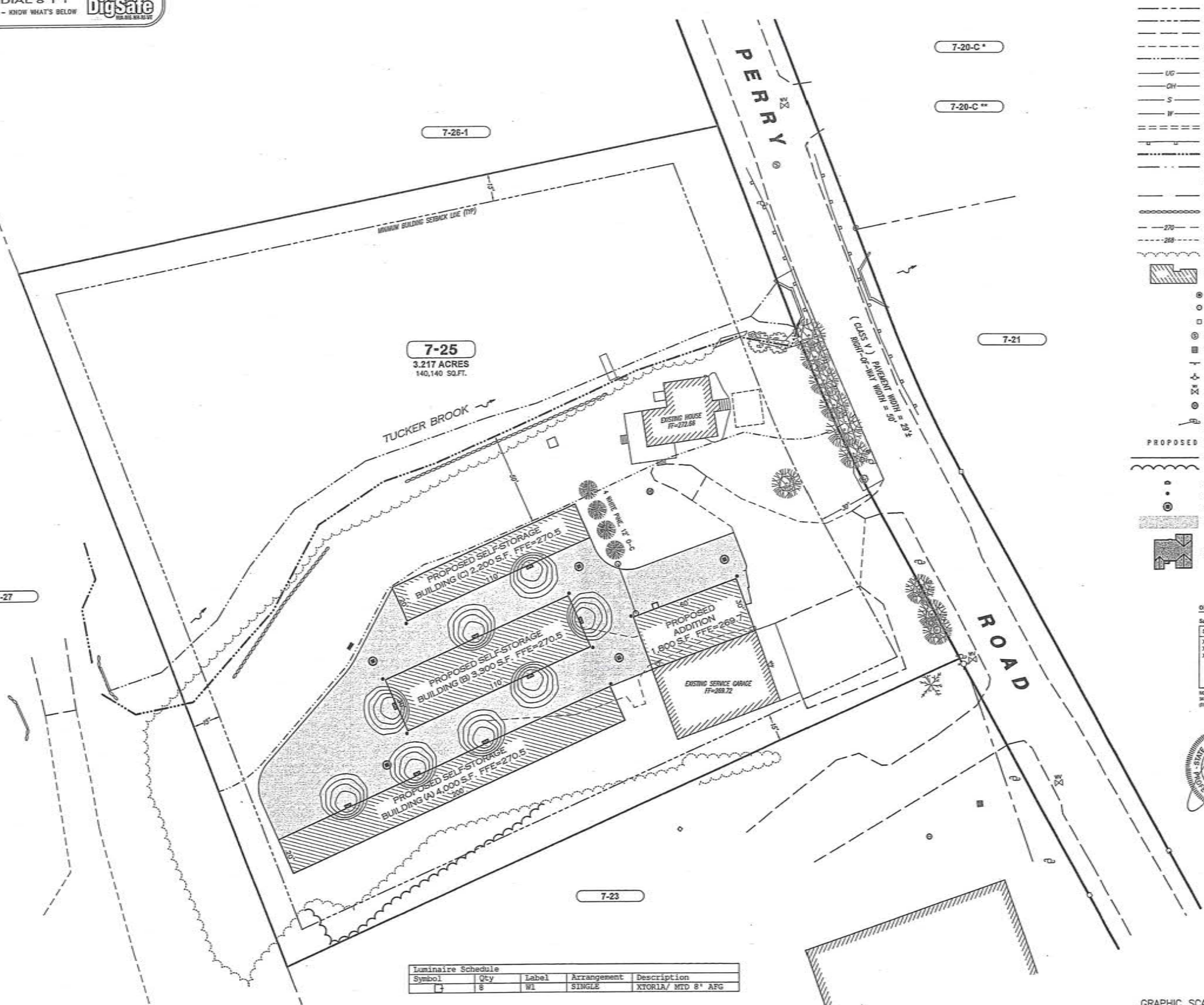
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CONTACT DIG SAFE
72 HOURS PRIOR
TO CONSTRUCTION
DIGSAFE.COM
OR DIAL 8 1 1
CALL 811 - KNOW WHAT'S BELOW

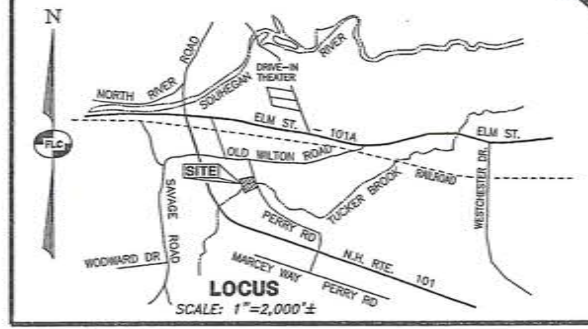


7-27



Symbol	Qty	Label	Arrangement	Description
[Symbol]	8	W1	SINGLE	XTOR1A/ MTD 8' AFG

- LEGEND:**
- EXISTING FEATURES**
- 7-26-1 TAX MAP AND LOT NUMBER
 - RIGHT-OF-WAY SIDE LINE
 - PROPERTY LINE
 - ABUTTING LOT LINE
 - BUILDING SETBACK LINE
 - EDGE OF PAVEMENT
 - EDGE OF GRAVEL ROAD
 - EDGE OF WATER
 - UNDERGROUND UTILITIES
 - OHV OVERHEAD UTILITIES
 - S SEWER LINE
 - W WATER LINE
 - DRAIN LINE
 - GUARD RAIL
 - EDGE OF WETLANDS
 - WETLAND BUFFER
 - WETLAND FLAG NUMBER
 - FLOODHAY AREA
 - STONE WALL
 - 10' CONTOUR INTERVAL
 - 2' CONTOUR INTERVAL
 - TREE LINE
 - BUILDING
 - DRILL HOLE FOUND
 - IRON PIN FOUND
 - N.H. CONCRETE FOUND
 - SEWER MANHOLE
 - CATCH BASIN (SQUARE)
 - SINGLE POST SIGN
 - WATER HYDRANT
 - WATER VALVE
 - WELL
 - UTILITY POLE AND GUY WIRE
- PROPOSED FEATURES**
- EDGE OF PAVEMENT
 - LIMITS OF CLEARING
 - DOWNGRIFT BUILDING LIGHT
 - BOLLARD
 - CATCH BASIN
 - PAVED/GRAVEL AREA
 - PROPOSED BUILDING

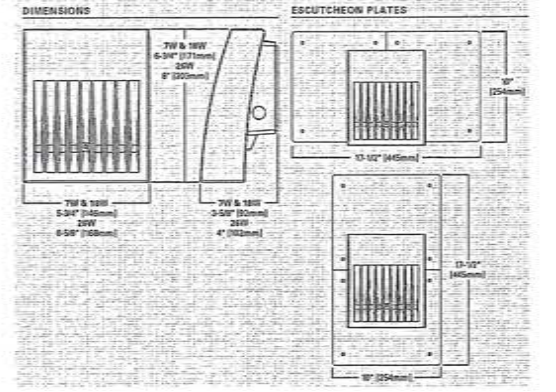


WALL MOUNT LUMINAIRE



XTOR CROSSTOUR LED

- APPLICATIONS:**
- WALL / SURFACE
 - POST / BOLLARD
 - LOW LEVEL
 - FLOODLIGHT
 - WETWEED
 - SITE LIGHTING



ORDERING INFORMATION

Sample Number: XTOR2A-NWT-PC1	Order #	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)												
XTOR2A-Small Dec, 7W	XTOR2A-Small Dec, 10W	XTOR2A-Small Dec, 20W	Black-Drift White	Black-Carbon Bronze	Black-Neutral Warm White, 3500K	WT-Dumont White	PC1-Photometric 130V*	PC2-Photometric 200-277V**	347V-347V*	18-50°C High Ambient*	WGLXTOR-Nive Guard*	XTORFLD-TM1C-Krusida Floodlight Kit*	XTORFLD-TM1C-Transium Floodlight Kit*	XTORFLD-TM1C-Transium Floodlight Kit, Summit White*	XTORFLD-TM1-WT-Transium Floodlight Kit, Summit White*	EPWXTOR-Exhaustion Wall Plate, Carbon Bronze	EPWXTOR-Exhaustion Wall Plate, Summit White

*Note: 1 Escutcheon Cover/Optional Plate - see www.fieldstone.com Product Catalog for details on stock. XTORFLD-TM1C-Krusida Floodlight Kit, Summit White is not available. **Order PC2 in 30V models. † The luminaire is not available with 18V options with 30V A fixture guard for wall surface mount. For use with 30V A fixture guard, a 1/2" (13mm) hole is required. ‡ Floodlight accessories supplied with luminaire (SIC) in transit. (SIC) box, small and large top covers and end and large impact plates.



REV.	DATE	DESCRIPTION	C/O	DR	CK

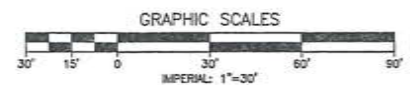
LANDSCAPING & LIGHTING PLAN
TAX MAP PARCEL 7-25 - 19 PERRY ROAD
MILFORD, NEW HAMPSHIRE
 PREPARED FOR AND LAND OF:
WILLIAM T. MAHAR
 19 PERRY ROAD, MILFORD, NH 03055-4308

SCALE: 1" = 30' APRIL 30, 2019

Surveying + Engineering + Land Planning + Permitting + Septic Designs

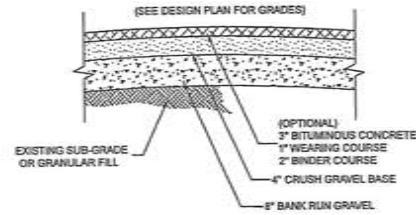


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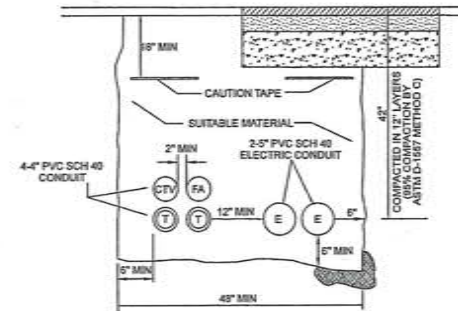


1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF MILFORD.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. FIELDSTONE LAND CONSULTANTS, PLLC, AS THE DESIGN ENGINEER, SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL CONTACT "DIGSAFE" 72 HOURS PRIOR TO THE START OF CONSTRUCTION (1-800-255-4977 IN NH, 1-888-344-7233 IN MA).
4. COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND SPECIAL CONDITIONS OF TOWN/CITY AGENCIES, SUCH AS THE PLANNING BOARD, ZONING BOARD, CONSERVATION COMMISSION, AND OTHERS, IS MANDATORY AND IS THE RESPONSIBILITY OF THE OWNER.
5. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN/CITY BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND FIELDSTONE LAND CONSULTANTS, PLLC PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE TOWN DEPARTMENTS PRIOR TO CONSTRUCTION TO ARRANGE FOR NECESSARY INSPECTIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCURATE AS-BUILT INFORMATION OF ALL WORK, ESPECIALLY UNDERGROUND CONSTRUCTION OF UTILITY LINES, SERVICES, CONNECTIONS, ETC. AND APPROPRIATE TIES TO ABOVE GROUND PERMANENT STRUCTURES, FIELD SURVEY COORDINATES, OR SOME OTHER METHOD OF ESTABLISHING THE AS-BUILT CONDITION OF ALL CONSTRUCTION.

GENERAL CONSTRUCTION NOTES 1
DT-1



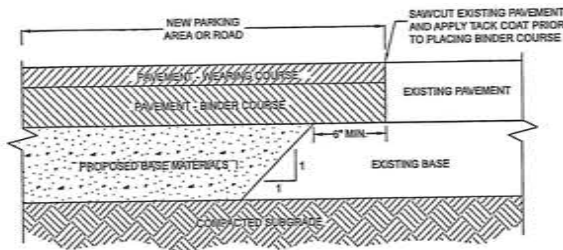
PAVED AREAS/INTERIOR AISLE SECTION 3
DT-1



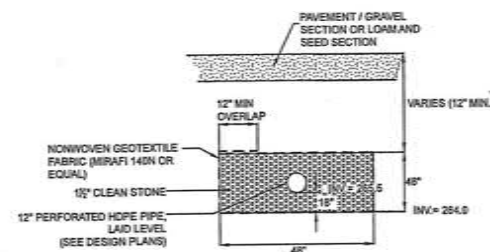
TYPICAL UTILITY TRENCH 5
DT-1

1. TEMPORARY PROTECTION OF DISTURBED AREAS SHALL BE IMPLEMENTED WHERE A TEMPORARY STAND OF GRASS OR SMALL GRASSES WILL NORMALLY PRODUCE SUFFICIENT COVER TO RETARD EROSION AND REDUCE SEDIMENT.
 2. USE OF TEMPORARY SEEDING SHALL BE IMPLEMENTED WHEN A DISTURBED AREA OR MATERIAL STOCKPILE WILL BE INACTIVE FOR A PROLONGED PERIOD OF TIME.
 3. ALL ESSENTIAL GRADING SUCH AS DIVERSIONS, DAMS, DITCHES AND DRAINS NEEDED TO PREVENT GULLYING AND REDUCE SILTATION SHALL BE COMPLETED PRIOR TO SEEDING.
 4. PREPARE SEEDBED BY REMOVING ALL STONES, TRASH AND STUMPING DEBRIS THAT WILL INTERFERE WITH SEEDING AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT 3 INCHES TO PREPARE SEEDBED AND MIX FERTILIZER INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATIONS SHOULD BE PERFORMED ACROSS THE SLOPE.
 5. A MINIMUM OF 300 POUNDS PER ACRE (7 LBS. PER 1,000 SQ.FT.) OF 10-10-10 FERTILIZER, OR ITS EQUIVALENT, SHALL BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING INCORPORATED INTO THE SOIL.
 6. THE SEED SHALL BE SPREAD UNIFORMLY OVER THE AREA. AFTER SEEDING, THE SOIL SHOULD BE FIRMED BY ROLLING OR PACKING. WHERE ROLLING OR PACKING IS NOT FEASIBLE, THE SEED SHALL BE COVERED LIGHTLY BY RAKING, DISKING, OR DRAGGING.
 7. HAY OR STRAW MULCH MAY BE NECESSARY TO PROMOTE SEED GERMINATION IN DRY AND/OR INFERTILE CONDITIONS.
8. PLANT SELECTION AND APPLICATION RATES:
- | SPECIES | RATE 1 (LBS./AC.) | RATE 2 (LBS./1,000 S.F.) | REMARKS |
|--------------------|-------------------|--------------------------|--|
| WINTER RYE | 112 | 2.5 | FALL, 8/15 TO 9/15
PLANT 1.0 INCH DEEP |
| OATS | 80 | 2.0 | SPRING PRIOR TO 5/15
PLANT 1.0 INCH DEEP |
| ANNUAL RYEGRASS | 40 | 1.0 | QUICK, SHORT DURATION
GOOD APPEARANCE EARLY SPRING
& FALL
PLANT 0.25 INCH DEEP |
| PERENNIAL RYEGRASS | 30 | 0.7 | LASTS LONGER THAN ANNUAL
LATE SPRING & FALL MULCHING
WILL ALLOW USE ALL
SEASON
PLANT 0.5 INCH DEEP |

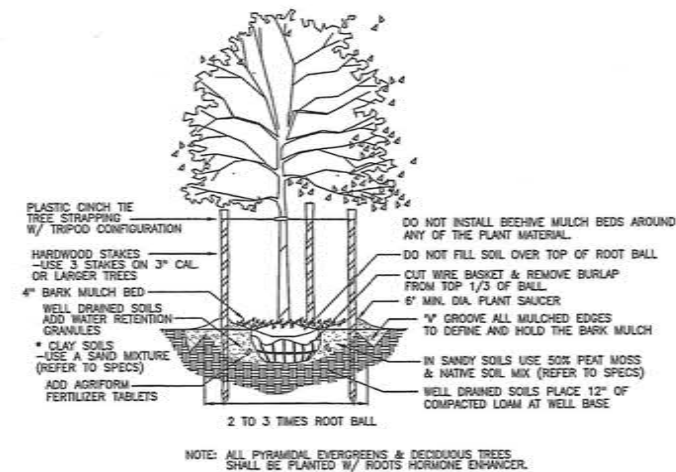
SEEDING FOR TEMPORARY PROTECTION OF DISTURBED AREAS 7
DT-1



PAVEMENT MATCH 2
DT-1



LEACHING TRENCH 4
DT-1



DECIDUOUS TREE PLANTING DETAIL 6
DT-1



REV.	DATE	DESCRIPTION	C/O	DR	CK

CONSTRUCTION DETAILS
TAX MAP PARCEL 7-25 - 19 PERRY ROAD
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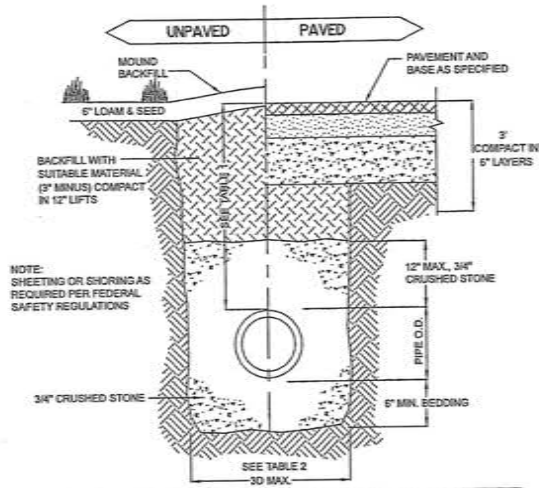
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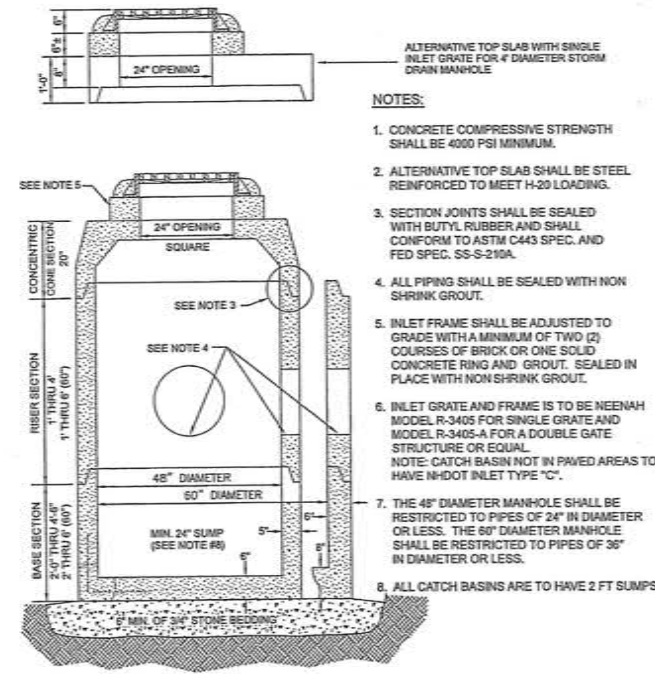




LOCATION	PIPE MATERIAL	MINIMUM COVER
PAVED ROADS	ALL	3 FT.
GRAVEL ROADS	ALL	2 FT.
DRIVEWAYS	ALL	1 FT.
UNPAVED AREAS	ALL	2 FT.

INSIDE DIAMETER	TOTAL WIDTH
12" TO 24"	I.D. + 24"
OVER 24"	2 x I.D.

DRAINAGE TRENCH (TYPICAL) SCALE: N.T.S. 1 DT-2

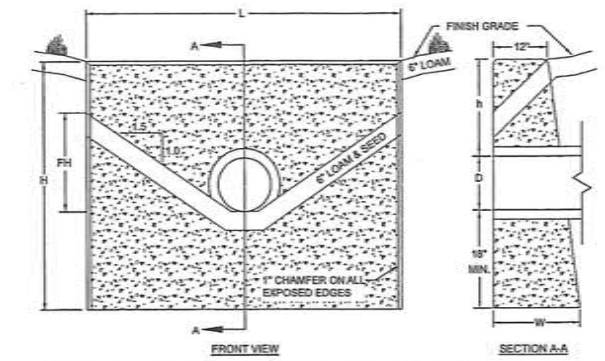


- ALTERNATIVE TOP SLAB WITH SINGLE INLET GRATE FOR 4\"/>

NOTES:

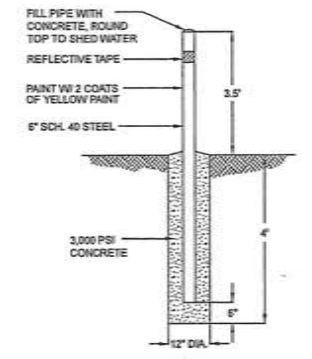
 1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI MINIMUM.
 2. ALTERNATIVE TOP SLAB SHALL BE STEEL REINFORCED TO MEET H-20 LOADING.
 3. SECTION JOINTS SHALL BE SEALED WITH BUTYL RUBBER AND SHALL CONFORM TO ASTM C443 SPEC. AND FED SPEC. SS-S-210A.
 4. ALL PIPING SHALL BE SEALED WITH NON SHRINK GROUT.
 5. INLET FRAME SHALL BE ADJUSTED TO GRADE WITH A MINIMUM OF TWO (2) COURSES OF BRICK OR ONE SOLID CONCRETE RING AND GROUT. SEALED IN PLACE WITH NON SHRINK GROUT.
 6. INLET GRATE AND FRAME IS TO BE NEENAH MODEL R-340S FOR SINGLE GRATE AND MODEL R-340S-A FOR A DOUBLE GATE STRUCTURE OR EQUAL. NOTE: CATCH BASIN NOT IN PAVED AREAS TO HAVE NHDOT INLET TYPE "C".
 7. THE 48\"/>

CATCH BASIN SCALE: N.T.S. 3 DT-2



CULVERT DIAM. D	HEADWALL LENGTH L	HEADWALL HEIGHT H	FILL HEIGHT FH	TOP HEIGHT T	HEADWALL BOTTOM WIDTH W
12	4'-0"	3'-0"	1'-1"	1'-3"	1'-11.25"
15	5'-0"	4'-3"	1'-7"	1'-6"	2'-0.75"
18	7'-0"	4'-6"	1'-10"	1'-6"	2'-1.50"
24	9'-0"	5'-0"	2'-4"	1'-6"	2'-3.00"
30	11'-0"	5'-6"	2'-10"	1'-6"	2'-4.50"
36	13'-0"	6'-0"	3'-4"	1'-6"	2'-6.00"
48	17'-0"	7'-3"	4'-7"	1'-9"	2'-9.75"

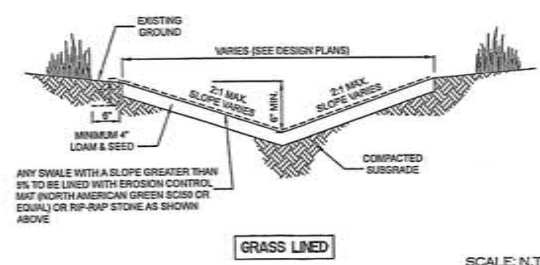
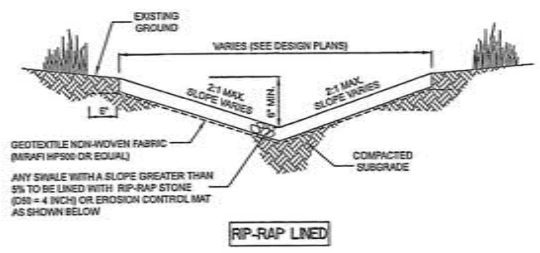
HEADWALL SHALL BE STEEL REINFORCED AND CONFORM TO NHDOT STANDARD PLAN HW-2, LAST REVISED JUNE 16, 2016. SCALE: N.T.S. 5 DT-2



OR APPROVED EQUAL SCALE: N.T.S. 6 DT-2

1. REMOVE ALL ORGANIC MATERIAL FROM AREA BELOW PROPOSED INFILTRATION BASINS AND TO EXPOSE UNDERLYING SOILS.
2. CARE SHALL BE TAKEN TO PROTECT THE UNDERLYING SOILS FROM CONSTRUCTION TRAFFIC AND THE DISCHARGE OF SEDIMENT LADEN RUNOFF.
3. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
4. ONCE EXCAVATED AND PRIOR TO FILLING, THE UNDERLYING SOILS SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH LEVELING DRAG.
5. FILL BELOW THE BASIN AND/OR LEACHING TRENCHES SHALL CONFORM TO THE SPECIFICATIONS FOR NHDOT ITEM 209.1, "GRANULAR BACKFILL".
6. THE BASIN FLOOR OF THE INFILTRATION BASINS SHALL BE PREPARED USING ONE OF THE FOLLOWING METHODS:
 - 1) A FILTER MEDIA 36" DEEP CONSISTING 60% TO 65% BY VOLUME SAND ALSO IDENTIFIED AS ASTM C-33 CONCRETE SAND, 20% TO 30% BY VOLUME OF LOAMY SAND TOPSOIL WITH 15% TO 25% FINES PASSING THE NUMBER 200 SIEVE, AND 20% TO 30% BY VOLUME MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH WITH LESS THAN 5% PASSING THE NUMBER 200 SIEVE.
 - 2) A FILTER MEDIA 36" DEEP CONSISTING 20% TO 30% BY VOLUME OF MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH THAT HAS NO MORE THAN 5% FINES PASSING THE NUMBER 200 SIEVE, WITH 70 TO 80% BY VOLUME LOAMY COARSE SAND USED IN THE MIXTURE MEETING THE FOLLOWING SIEVE ANALYSIS SPECIFICATION:
 - FROM 85 TO 100 PERCENT BY WEIGHT SHALL PASS THE NUMBER 10 SIEVE;
 - FROM 70 TO 100 PERCENT BY WEIGHT SHALL PASS THE NUMBER 20 SIEVE;
 - FROM 15 TO 40 PERCENT BY WEIGHT SHALL PASS THE NUMBER 60 SIEVE; AND
 - FROM 8 TO 15 PERCENT BY WEIGHT SHALL PASS THE NUMBER 200 SIEVE;
7. DO NOT PLACE INFILTRATION BASINS/TRENCHES INTO SERVICE UNTIL ALL CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

INFILTRATION BASIN CONSTRUCTION NOTES SCALE: N.T.S. 2 DT-2



TYPICAL SWALE DETAILS SCALE: N.T.S. 4 DT-2



REV.	DATE	DESCRIPTION	C/O	DR	CK

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- INSTALL STONE CHECK DAMS AND SILTATION CONTROL FENCES IN LOCATIONS SHOWN ON PLANS. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATION.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES.
- CUT AND CLEAR TREES; DISPOSE OF DEBRIS. STUMPS ARE TO BE BURIED ON SITE AT THE LOCATIONS SHOWN. STUMPS SHALL BE COMPACTED AND ALL VOIDS FILLED WITH SUITABLE MATERIAL. COVER WITH 4" OF LOAM AND SEED PER THE EROSION CONTROL NOTES.
- REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. STABILIZE STOCKPILE IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
- ROUGH GRADE SITE - CONSTRUCT DRAINAGE BASINS, CATCH BASINS AND DRAINAGE SWALES DURING INITIAL PORTION OF CONSTRUCTION. STABILIZE IMMEDIATELY PER THE CONSTRUCTION AND EROSION CONTROL DETAILS. DO NOT DIRECT STORM WATER RUNOFF TO THESE STRUCTURES UNTIL A HEALTHY VEGETATIVE COVER IS ESTABLISHED.
- CONSTRUCT STORAGE BUILDINGS, PAVED AREAS AND ASSOCIATED SITE IMPROVEMENTS AS SHOWN. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION OF ROUGH GRADING PER THE EROSION CONTROL NOTES.
- PLACE STONE CHECK DAMS AROUND INLETS AROUND ALL STRUCTURES UNTIL AREAS ARE STABLE AND ALL NON-PAVED DISTURBED AREAS HAVE A HEALTHY VEGETATIVE COVER. SILT SACKS MAY BE UTILIZED IN PLACE OF STONE CHECK DAMS ON CATCH BASINS.
- INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS AND AFTER EVERY 0.25" OR GREATER RAINFALL.
- DAILY OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- FINISH GRADING AND PREPARE FOR LOADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
- FINISH CONSTRUCTING STORAGE BUILDINGS AND PAVED AREAS. PERMANENT SEEDING SHALL BE PERFORMED UPON COMPLETION OF DRIVE AND PARKING AREA PAVING (SEE EROSION CONTROL NOTES).
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- STORMWATER FLOWS ARE NOT TO BE DIRECTED INTO THE STORMWATER BASINS UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
- ALL STRUCTURES SHALL BE CLEANED OF SEDIMENTS ONCE CONSTRUCTION IS COMPLETE.

CONSTRUCTION SEQUENCE NOTES

EROSION CONTROL (GENERAL CONSTRUCTION)

- PRIOR TO STARTING ANY WORK ON THE SITE THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PER PLANS AND DETAILS. PERIMETER CONTROLS SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES.
- EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEN POSSIBLE.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE KEPT CLEAN DURING CONSTRUCTION. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EVERY 0.25-INCH OR GREATER RAINFALL. SEDIMENTS SHALL BE DISPOSED OF IN AN UPLAND AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND BE PERMANENTLY STABILIZED.
- THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION.
- THE LAND AREA EXPOSED SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME. ALL NON-ACTIVE DISTURBED AREAS SHALL BE STABILIZED WITHIN 30 DAYS OF THE DISTURBANCE. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF FINAL GRADING.
- DITCHES, SWALES AND DRAINAGE BASINS SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- AN AREA SHALL BE CONSIDERED STABILIZED IF ONE OF THE FOLLOWING HAS OCCURRED:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - A MINIMUM OF 2-INCHES OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIPRAP, HAS BEEN INSTALLED; OR
 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES THAT ARE STEEPER THAN 3:1 (HORIZONTAL / VERTICAL). UNLESS OTHERWISE SPECIFIED THE CONTRACTOR SHALL USE NORTH AMERICAN GREEN SC150, OR APPROVED EQUAL.
- ALL AREAS RECEIVING EROSION CONTROL STONE OR RIPRAP SHALL HAVE A GEOTEXTILE MATERIAL INSTALLED BELOW THE STONE (SEE APPROPRIATE DETAILS).
- ALL DISTURBED AREAS TO TURF FINISHED SHALL BE COVERED WITH A MINIMUM THICKNESS OF 4 INCHES OF COMPACTED LOAM. LOAM SHALL BE COVERED WITH THE APPROPRIATE SEED MIXTURE AS INDICATED BELOW:

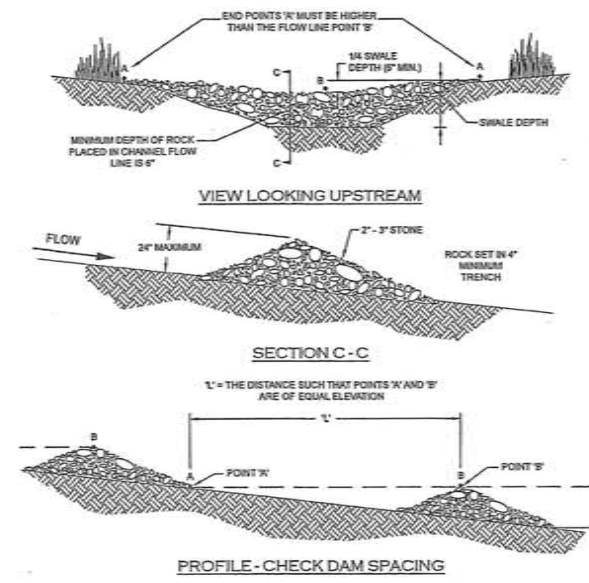
PERMANENT SEED (LAWN AREAS)	POUNDS / 1,000 SQUARE FEET
CREeping RED FESCUE	0.92 LBS
PERENNIAL RYEGRASS	1.15 LBS
KENTUCKY BLUEGRASS	0.28 LBS
REDTOP	0.12 LBS
*APPLICATION RATE TOTALS 2.8 LBS PER 1,000 SF**	
- APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. IF SOIL TESTING IS NOT FEASIBLE (CORTICAL TIME FRAMES OR UNSUITABLE SITES) THEN APPLY FERTILIZER AT A RATE OF 11 POUNDS PER 1,000 SF AND LIMESTONE AT A RATE OF 90 POUNDS PER 1,000 SF. FERTILIZER SHALL BE LOW PHOSPHATE (LESS THAN 2% PHOSPHORUS).

CAUTION SHOULD BE TAKEN WHEN THE PROPERTY IS LOCATED WITHIN 250 FEET OF A WATER BODY. IN THIS CASE ALL FERTILIZERS SHALL BE RESTRICTED TO A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER. SLOW RELEASE FERTILIZERS MUST BE AT LEAST 50% SLOW RELEASE NITROGEN COMPONENT. NO FERTILIZER EXCEPT LIMESTONE SHALL BE APPLIED WITHIN 25 FEET OF THE SURFACE WATER. THESE ARE REGULATED LIMITATIONS.
- PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS (SEE WINTER CONSTRUCTION NOTES). NO DISTURBED AREAS SHALL BE LEFT EXPOSED DURING THE WINTER MONTHS.
- A VIGOROUS DUST CONTROL PROGRAM SHALL BE APPLIED BY THE SITE CONTRACTOR. DUST SHALL BE MANAGED THROUGH THE USE OF WATER AND/OR CALCIUM CHLORIDE.
- IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL EROSION CONTROL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.
- FOLLOWING PERMANENT STABILIZATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND ACCUMULATED SEDIMENTATION IS TO BE DISPOSED OF IN AN APPROVED LOCATION, OUTSIDE OF JURISDICTIONAL WETLANDS.

EROSION CONTROL (WINTER CONSTRUCTION)

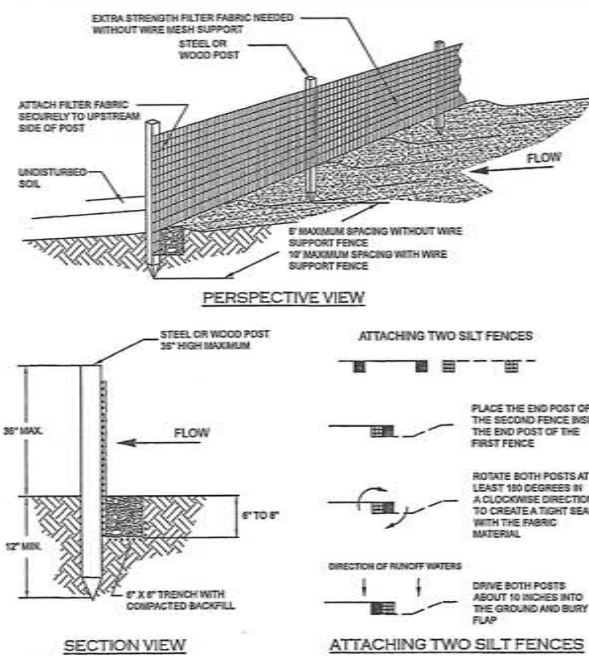
- ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED 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.
- AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL OR PROPERLY INSTALLED EROSION CONTROL BLANKETS COVERED WITH MULCH. OTHER STABILIZATION OPTIONS ARE TO BE APPROVED BY THE APPROPRIATE AGENCIES AND THE DESIGN ENGINEER. IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER MONTHS THEN THE ROAD SHOULD BE CLEARED OF ACCUMULATED SNOW AFTER EACH STORM EVENT.

EROSION CONTROL NOTES



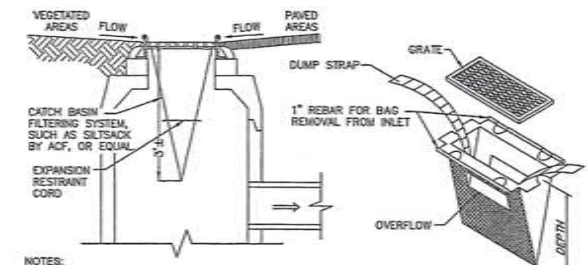
- NOTES:**
- STONE CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
 - THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE CHECK DAM SHOULD BE LESS THAN ONE ACRE.
 - STONE CHECK DAMS SHOULD NOT BE USED IN A FLOWING STREAM.
 - STONE CHECK DAMS SHOULD BE CONSTRUCTED OF WELL-GRADED ANGULAR 2 TO 3 INCH STONE. THE INSTALLATION OF 3/4-INCH STONE ON THE UPSLOPE FACE IS RECOMMENDED FOR BETTER FILTERING.
 - WHEN INSTALLING STONE CHECK DAMS THE CONTRACTOR SHALL KEY THE STONE INTO THE CHANNEL BANKS AND EXTEND THE STONE BEYOND THE ABUTMENTS A MINIMUM OF 18-INCHES TO PREVENT FLOW AROUND THE DAM.
 - STONE CHECK DAMS SHOULD BE REMOVED ONCE THE SWALE OR DITCH HAS BEEN STABILIZED UNLESS OTHERWISE SPECIFIED.

STONE CHECK DAM



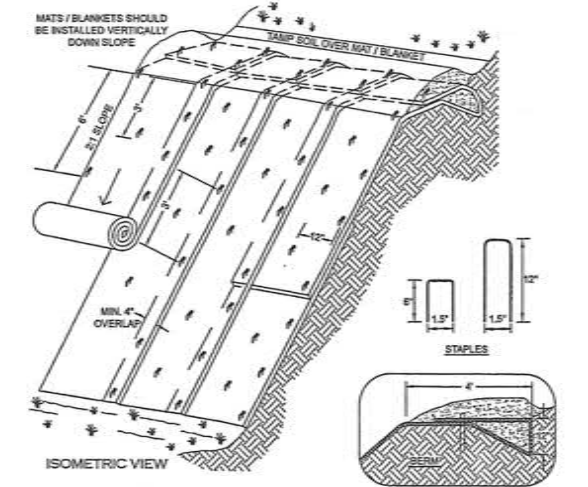
- NOTES:**
- SILT FENCES SHOULD NOT BE USED ACROSS STREAMS, CHANNELS, SWALES, DITCHES OR OTHER DRAINAGE WAYS.
 - SILT FENCE SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE AND THE ENDS OF THE SILT FENCE SHOULD BE FLARED UPSLOPE.
 - IF THE SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE OR THE PRESENCE OF HEAVY ROOTS THE BASE OF THE FABRIC SHOULD BE EMBEDDED WITH A MINIMUM THICKNESS OF 8 INCHES OF 3/4-INCH STONE.
 - SILT FENCES PLACED AT THE TOE OF SLOPES SHOULD BE INSTALLED AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND ACCESS FOR MAINTENANCE.
 - THE MAXIMUM SLOPE ABOVE THE FENCE SHOULD BE 2:1 AND THE MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHOULD BE 100 FEET.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCES SHOULD BE REMOVED WHEN THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILT FENCE



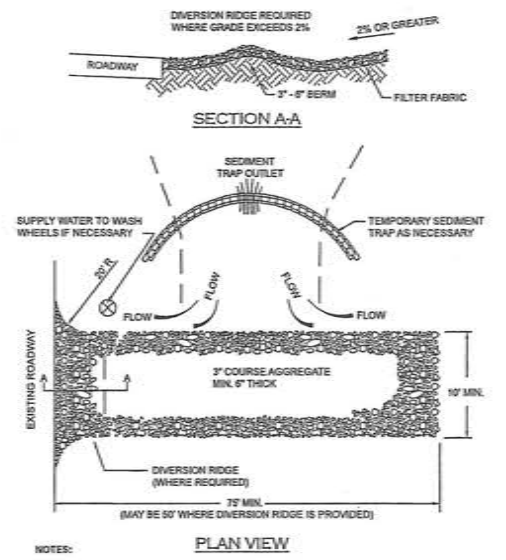
- NOTES:**
- INSTALL AND MAINTAIN SACKS IN ALL CATCH BASINS.
 - TO INSTALL SACK, REMOVE CATCH BASIN GRATE AND PLACE SACK IN OPENING. HOLD OUT APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME FOR THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.
 - THE SACK SHOULD BE INSPECTED AFTER EVERY STORM, OR ONCE EVERY TWO WEEKS, WHICH EVER OCCURS FIRST.
 - THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF THE CORD IS COVERED WITH SEDIMENT, THE SACK SHOULD BE EMPTIED. EMPTY THE SACK AWAY FROM THE CATCH BASIN TO PREVENT SEDIMENT FROM RE-ENTERING THE CATCH BASIN. EMPTY THE SACK PER THE MANUFACTURER'S RECOMMENDATIONS.
 - REPLACE THE SACK IN THE CATCH BASIN AFTER THE SACK HAS BEEN EMPTIED. ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED BY PAVING OR A HEALTHY VEGETATIVE COVER, REMOVE THE SACK FROM THE CATCH BASINS.

SILT SACK SEDIMENT FILTER



- NOTES:**
- DIMENSIONS GIVEN IN THIS DETAIL ARE EXAMPLES. DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - INSTALL STRAWWOODCUT FIBER EROSION CONTROL MAT SUCH AS NORTH AMERICAN GREEN SC150 OR EQUAL ON ALL SLOPES EXCEEDING 2' HORIZ : 1' VERT.
 - THE EROSION CONTROL MATERIAL(S) SHALL BE ANCHORED WITH "U" SHAPED 11 GAUGE WIRE STAPLES OR WOODEN STAKES WITH A MINIMUM TOP WIDTH OF 1 INCH AND LENGTH OF 7 INCH.
 - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 - APPLY LIME, FERTILIZER AND PERMANENT SEEDING BEFORE PLACING BLANKETS.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET AS SHOWN. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES OR STAKES IN APPROPRIATE LOCATIONS. REFER TO MANUFACTURER'S STAPLE GUIDE FOR CORRECT STAPLE PATTERN.
 - LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 - IN LOOSE SOIL CONDITIONS THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 6 INCHES MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 - THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE RESEEDING, RESEEDING AND REMULCHED AS DIRECTED.

EROSION BLANKETS - SLOPE INSTALLATION



- NOTES:**
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - THE MINIMUM STONE USED SHOULD BE 3-INCH CRUSHED STONE.
 - THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 5-INCH HIGH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
 - THE PAD SHOULD EXTEND THE FULL WIDTH OF THE CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS GREATER.
 - THE PAD SHOULD SLOPE AWAY FROM THE EXISTING ROADWAY.
 - THE PAD SHOULD BE AT LEAST 8-INCHES THICK.
 - THE GEOTEXTILE FILTER FABRIC SHOULD BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD.
 - THE PAD SHALL BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF-SITE.
 - NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHOULD BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

GRAVEL CONSTRUCTION EXIT

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MILFORD, NEW HAMPSHIRE
PREPARED FOR AND LAND OF:
WILLIAM T. MAHAR
19 PERRY ROAD, MILFORD, NH 03055-4308

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