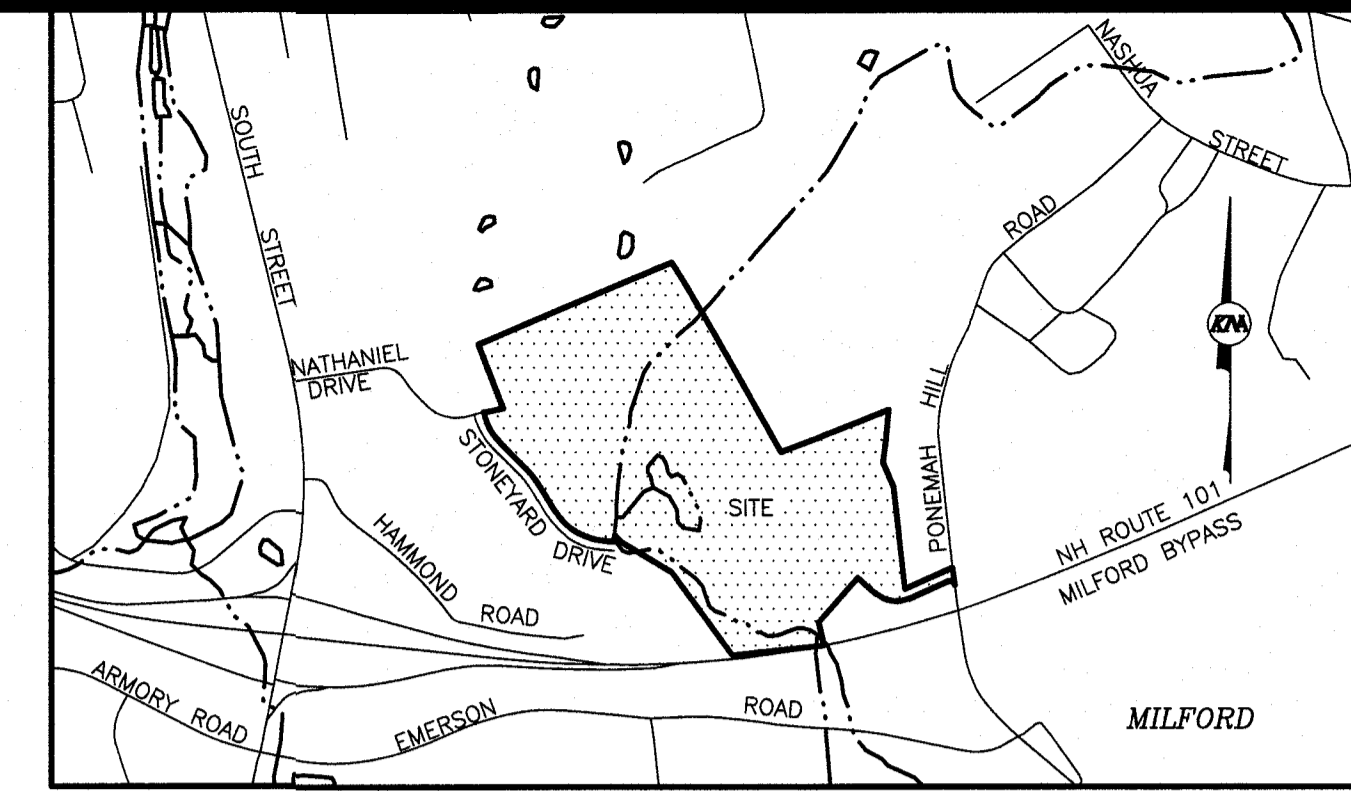


VICINITY PLAN  
NOT TO SCALE



LOCUS MAP  
SCALE: 1" = 1000'

# RESIDENTIAL SITE PLAN THE Q AT MILFORD MAP 43; BLOCK 69 0 PONEMAH HILL ROAD MILFORD, NEW HAMPSHIRE

**WILDLIFE PROTECTION NOTES:**

1. ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED IMMEDIATELY TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2481 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV. EMAIL SUBJECT LINE: NH823-0615, THE Q AT MILFORD, WILDLIFE SPECIES OBSERVATION.
2. PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHFG IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION AS FEASIBLE.
3. IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHFG AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHFG, IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY JEOPARDIZE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN FIS 1002.04.
4. THE NHFG, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

**OWNER:**

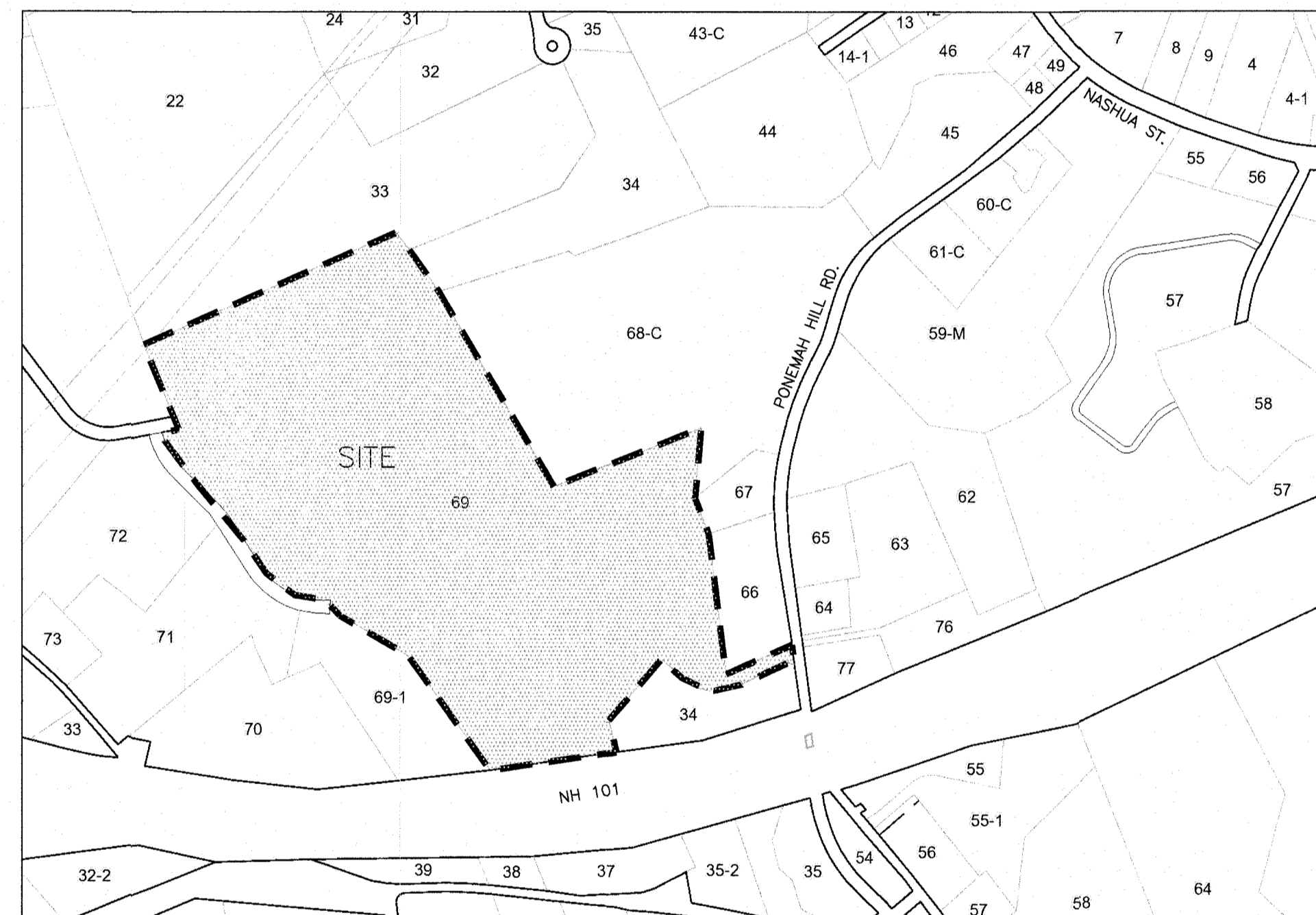
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031

**APPLICANT:**

TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**PREPARED BY:**

KEACH-NORDSTROM ASSOCIATES, INC.  
10 COMMERCE PARK NORTH, SUITE 3B  
BEDFORD, NEW HAMPSHIRE 03110  
(603) 627-2881

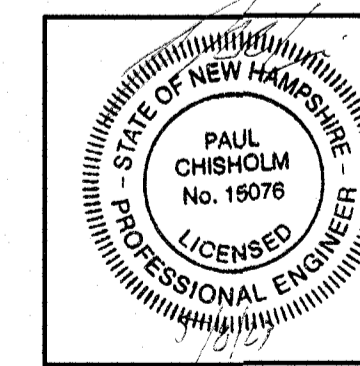
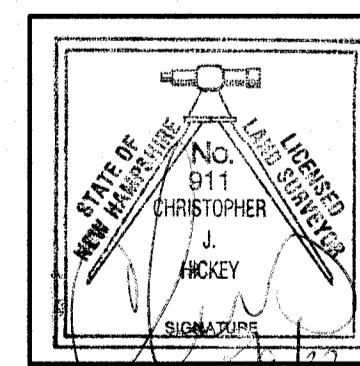


TAX MAP PLAN  
SCALE: 1" = 500'±

**SHEET TITLE**

**SHEET No.**

OVERVIEW PLAN	1
SUBDIVISION PLAN	2
TOPOGRAPHIC SUBDIVISION PLAN	3
EXISTING CONDITIONS PLAN	4 - 5
RESIDENTIAL SITE PLAN	6 - 9
GRADING & DRAINAGE PLAN	10 - 13
UTILITY PLAN	14 - 17
EROSION CONTROL PLAN	18 - 21
SIGHT DISTANCE PLAN	22
ROADWAY PLAN & PROFILE	23 - 27
LANDSCAPE PLAN	28 - 31
LIGHTING PLAN	32 - 35
WETLAND IMPACT PLAN	36
CONSTRUCTION DETAILS	37 - 44
TEST PIT LOGS	45
CONSTRUCTION PHASING PLAN	46



**KNA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

FEBRUARY 9, 2023  
LAST REVISED: APRIL 24, 2023  
PROJECT NO. 21-1216-1

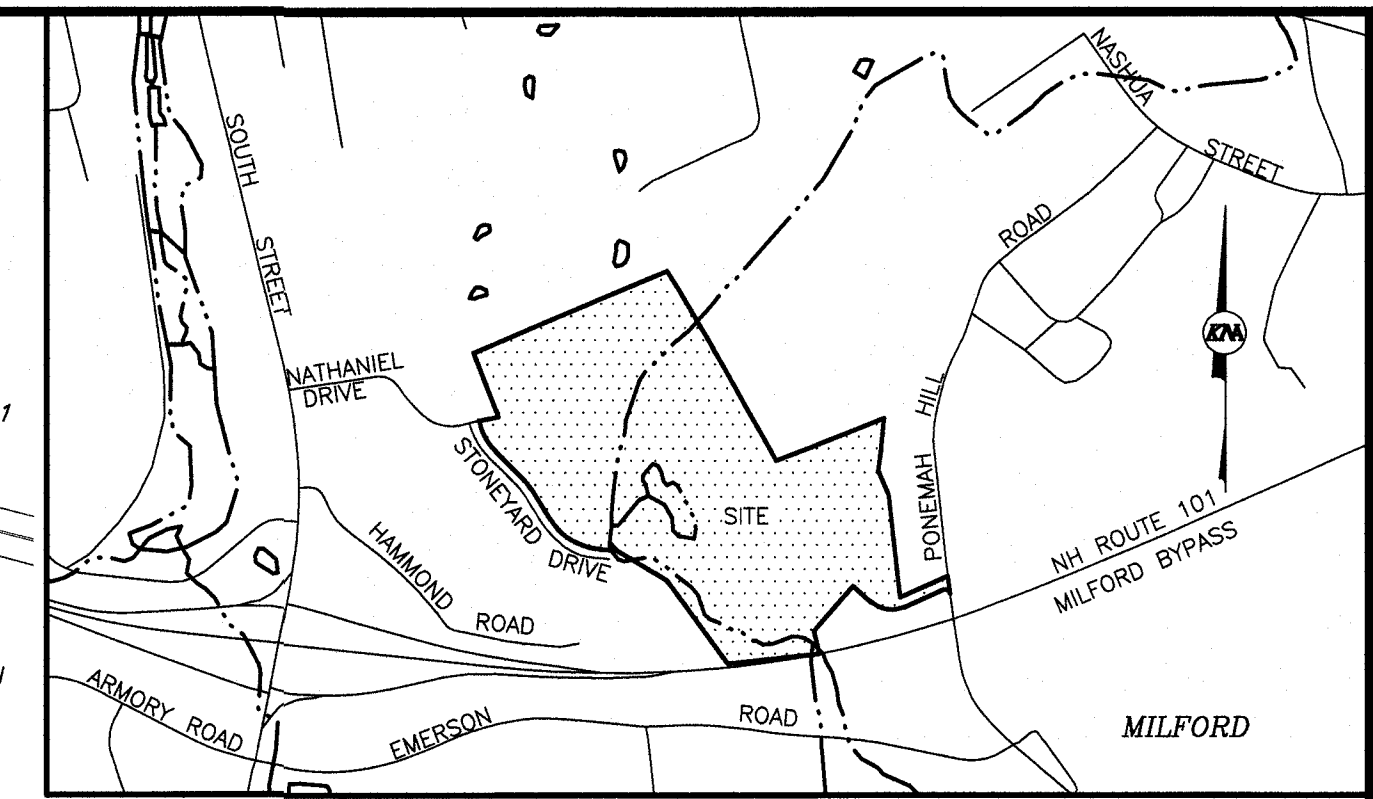
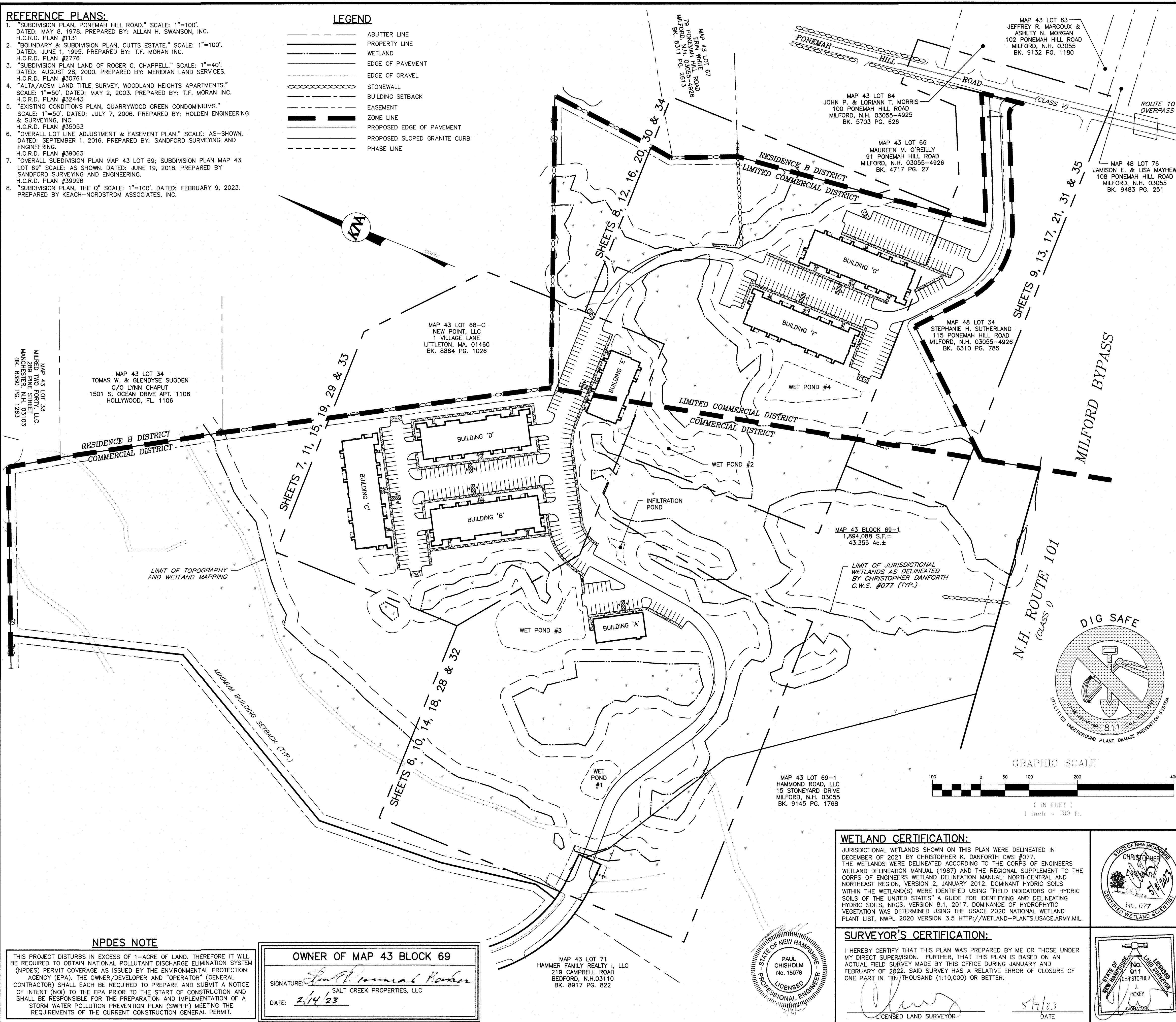
ARCHITECTURAL DRAWINGS  
(BY BURNELL JOHNSON ARCHITECTS)

**REFERENCE PLANS:**

- "SUBDIVISION PLAN, PONEMAH HILL ROAD," SCALE: 1"=100'. DATED: MAY 8, 1978. PREPARED BY: ALLAN H. SWANSON, INC. H.C.R.D. PLAN #131
- "BOUNDARY & SUBDIVISION PLAN, CUTTS ESTATE," SCALE: 1"=100'. DATED: JUNE 1, 1995. PREPARED BY: T.F. MORAN INC. H.C.R.D. PLAN #2776
- "SUBDIVISION PLAN LAND OF ROGER G. CHAPPELL," SCALE: 1"=40'. DATED: AUGUST 28, 2000. PREPARED BY: MERIDIAN LAND SERVICES. H.C.R.D. PLAN #30761
- "ALTA/ACSM LAND TITLE SURVEY, WOODLAND HEIGHTS APARTMENTS," SCALE: 1"=50'. DATED: MAY 2, 2003. PREPARED BY: T.F. MORAN INC. H.C.R.D. PLAN #32443
- "EXISTING CONDITIONS PLAN, QUARRYWOOD GREEN CONDOMINIUMS," SCALE: 1"=50'. DATED: JULY 7, 2006. PREPARED BY: HOLDEN ENGINEERING & SURVEYING, INC. H.C.R.D. PLAN #35053
- "OVERALL LOT LINE ADJUSTMENT & EASEMENT PLAN," SCALE: AS-SHOWN. DATED: SEPTEMBER 1, 2016. PREPARED BY: SANDFORD SURVEYING AND ENGINEERING. H.C.R.D. PLAN #39063
- "OVERALL SUBDIVISION PLAN MAP 43 LOT 69; SUBDIVISION PLAN MAP 43 LOT 69" SCALE: AS SHOWN. DATED: JUNE 19, 2018. PREPARED BY: SANDFORD SURVEYING AND ENGINEERING. H.C.R.D. PLAN #39996
- "SUBDIVISION PLAN, THE Q" SCALE: 1"=100'. DATED: FEBRUARY 9, 2023. PREPARED BY KEACH-NORDSTROM ASSOCIATES, INC.

**LEGEND**

- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- ZONE LINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB
- PHASE LINE



**LOCUS MAP**  
SCALE: 1" = 1000'

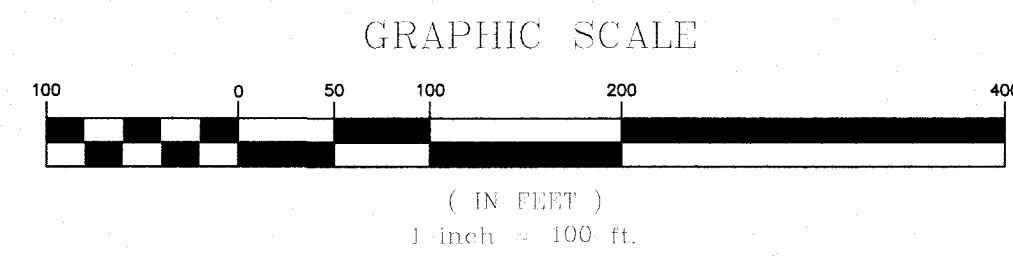
**GENERAL NOTES:**

- THE PURPOSE OF THIS PLAN IS TO DEPICT A PROPOSED 216-UNIT APARTMENT COMPLEX CONSISTING OF SIX INDIVIDUAL APARTMENT BUILDINGS AND AN ACCOMPANYING CLUBHOUSE BUILDING ON MAP 43 BLOCK 69 IN THE MILFORD, N.H.
- EXISTING LOT AREA: 2,451,980 S.F.± OR 56.290 ACRES±
- OWNER OF RECORD: SALT CREEK PROPERTIES, LLC  
P.O. BOX 967  
AMHERST, N.H. 03031-0967  
BK. 8420 PG. 1596
- THE SUBJECT PARCEL IS LOCATED WITHIN THE COMMERCIAL (C) & LIMITED COMMERCIAL (LC) ZONING DISTRICT. DIMENSIONAL REQUIREMENTS ARE AS FOLLOWS:

ZONING DISTRICT	REQUIRED		EXISTING	PROPOSED
	COMMERCIAL	LIMITED COMMERCIAL		
MINIMUM LOT AREA	20,000 SF	20,000 SF	1,894,088 SF	1,894,088 SF
MINIMUM LOT FRONTAGE	150 FT	150 FT	90.5 FT	90.5 FT
MINIMUM BUILDING SETBACKS:				
FRONT	30 FT	30 FT	N/A	694.1 FT
SIDE	15 FT*	15 FT*	N/A	36.8 FT
REAR	15 FT*	15 FT*	N/A	693.1 FT
MINIMUM OPEN SPACE	30%	30%	100%	85.4%
MAXIMUM BUILDING HEIGHT	40 FT	35 FT	N/A	56 FT**

- \*30 FT IF BORDERING A STREET, LANE, OR PUBLIC WAY  
\*\*SPECIAL EXCEPTION APPROVED (SEE NOTE #12)
- HORIZONTAL DATUM IS NAD 83 VERTICAL DATUM IS NAVD 88 OBTAINED THROUGH GPS OBSERVATIONS POST PROCESSED THROUGH NOAA-OPUS.
  - TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS THE RESULT OF AN ACTUAL FILED SURVEY PERFORMED BY THIS OFFICE IN JANUARY AND FEBRUARY OF 2022.
  - THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
  - EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF MILFORD MAP NUMBER 33011C0459D, PANEL NUMBER 459 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A DESIGNATED FLOOD HAZARDOUS AREA.
  - EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIED HEREON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS. OTHER EASEMENTS, RIGHTS AND RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF THE SUBJECT PREMISES MAY DETERMINE.
  - WETLANDS WERE DELINEATED BY CHRISTOPHER K. DANFORTH, CERTIFIED WETLAND SCIENTIST #077 OF KEACH-NORDSTROM ASSOCIATES, INC. OF BEDFORD, NEW HAMPSHIRE.
  - PARKING CALCULATIONS:  
REQUIRED: 2 SPACES PER DWELLING UNIT @ 216 DWELLING UNITS = 432 SPACES  
PROVIDED: 432 SPACES (INCLUDING 14 HANDICAP SPACES & 76 GARAGE SPACES UNDER BUILDINGS 'B' & 'D')
  - A SPECIAL EXCEPTION FROM ARTICLE V, SECTION 5.05.8.C AND 5.07.7.C OF THE ZONING ORDINANCE WAS GRANTED ON AUGUST 18, 2022 BY THE ZONING BOARD OF ADJUSTMENT TO ALLOW THE CONSTRUCTION OF SIX, MULTIFAMILY BUILDINGS WITH A MAXIMUM HEIGHT OF 56 FEET WHERE 35 FEET IS PERMITTED IN THE 'LCB' ZONING DISTRICT AND 40 FEET IS PERMITTED IN THE 'C' ZONING DISTRICT. A SPECIAL EXCEPTION FROM ARTICLE V, SECTIONS 6.02.6 AND 6.02.7 OF THE ZONING ORDINANCE WAS GRANTED ON DECEMBER 15, 2022 BY THE ZONING BOARD OF ADJUSTMENT TO DISTURB APPROXIMATELY 6,676 SQUARE FEET OF WETLANDS AREA AND 21,699 SQUARE FEET OF WETLAND BUFFER AREA ASSOCIATED WITH INTERIOR ROADWAY CONSTRUCTION.
  - THIS PROJECT REQUIRES THE FOLLOWING LOCAL, STATE AND FEDERAL PERMITS:  

PERMIT	STATUS
NHDES ALTERATION OF TERRAIN	PENDING
NHDES SEWER CONNECTION PERMIT	PENDING
NHDES NOTICE OF INTENT	REQUIRED PRIOR TO CONSTRUCTION
NHDES WETLANDS PERMIT	PENDING
  - ALL WATER, SEWER, ROADWAY, PARKING LOT, AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF MILFORD'S WATER UTILITIES DEPARTMENT AND PUBLIC WORKS DEPARTMENT STANDARDS.
  - IMPACT FEES
  - AS-BUILT PLANS SHALL BE DELIVERED TO THE BUILDING DEPARTMENT PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.
  - A PORTION OF THE SUBJECT SITE IS LOCATED WITHIN THE LEVEL II GROUNDWATER PROTECTION AREA.



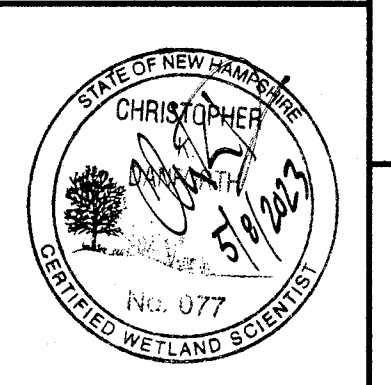
**OVERVIEW PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

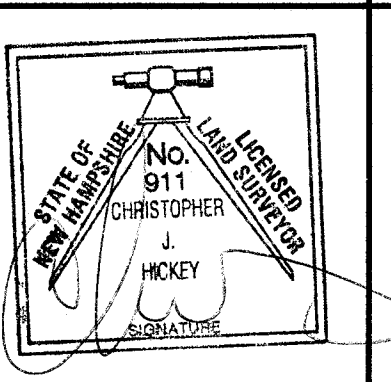
**WETLAND CERTIFICATION:**  
JURISDICTIONAL WETLANDS SHOWN ON THIS PLAN WERE DELINEATED IN DECEMBER OF 2021 BY CHRISTOPHER K. DANFORTH CWS #077. THE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2, JANUARY 2012. DOMINANT HYDRIC SOILS WITHIN THE WETLAND(S) WERE IDENTIFIED USING "FIELD INDICATORS OF HYDRIC SOILS OF THE UNITED STATES" A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS. NRCS, VERSION 8.1, 2017. DOMINANCE OF HYDROPHYTIC VEGETATION WAS DETERMINED USING THE USACE 2020 NATIONAL WETLAND PLANT LIST, NWPL 2020 VERSION 3.5 HTTP://WETLAND-PLANTS.USACE.ARMY.MIL



**SURVEYOR'S CERTIFICATION:**  
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING JANUARY AND FEBRUARY OF 2022. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

*Paul Chisholm*  
LICENSED LAND SURVEYOR

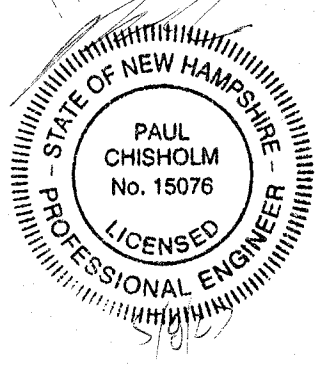
5/1/23  
DATE



**NPDES NOTE**  
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.

**OWNER OF MAP 43 BLOCK 69**  
SIGNATURE: *Tom W. & Glendyse Sugden*  
SALT CREEK PROPERTIES, LLC  
DATE: 2/14/23

MAP 43 LOT 71  
HAMMER FAMILY REALTY, LLC  
219 CAMPBELL ROAD  
BEDFORD, N.H. 03110  
BK. 8917 PG. 822



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

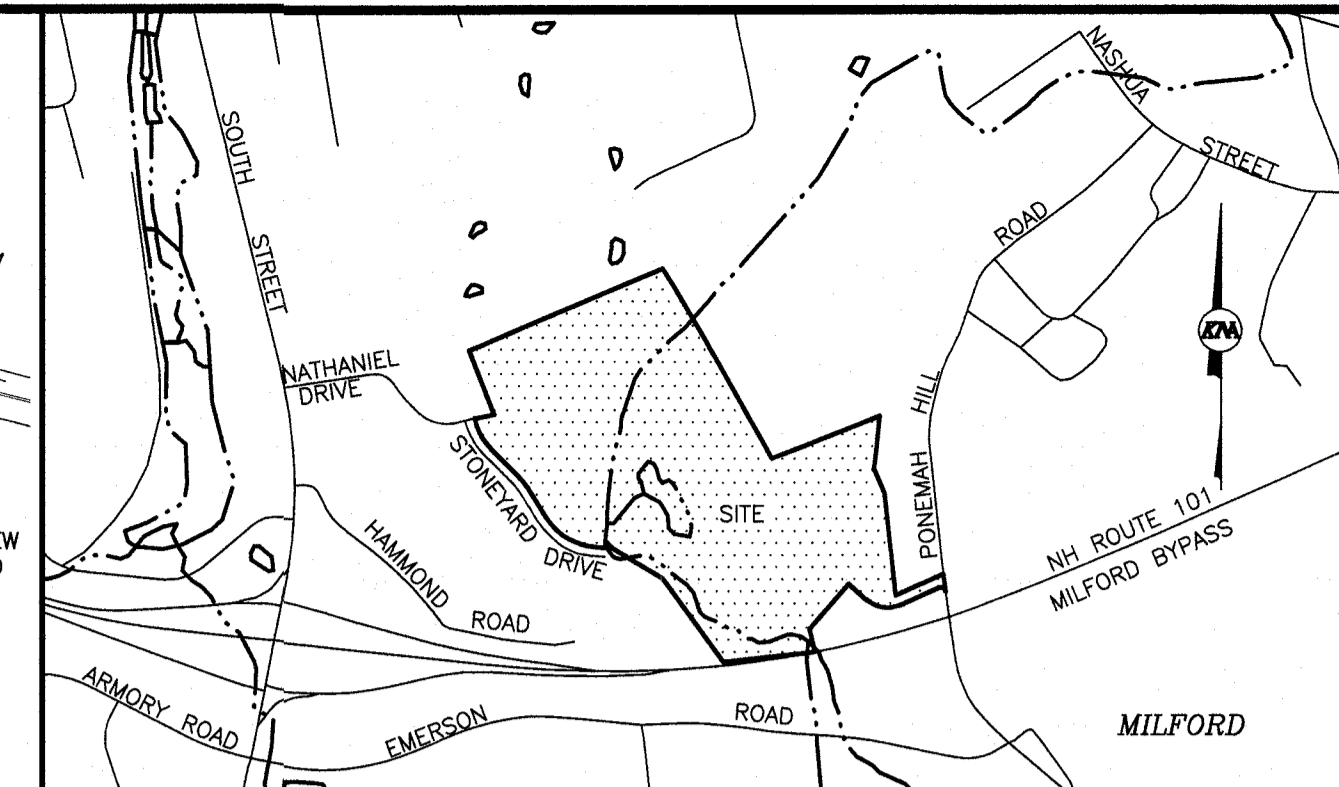
DATE: FEBRUARY 9, 2023  
PROJECT NO: 21-1216-1  
SCALE: 1" = 100'  
SHEET 1 OF 46

**REFERENCE PLANS:**

- "SUBDIVISION PLAN, PONEMAH HILL ROAD." SCALE: 1"=100'. DATED: MAY 8, 1978. PREPARED BY: ALLAN H. SWANSON, INC. H.C.R.D. PLAN #1131.
- "BOUNDARY & SUBDIVISION PLAN, CUTTS ESTATE." SCALE: 1"=100'. DATED: JUNE 1, 1995. PREPARED BY: T.F. MORAN INC. H.C.R.D. PLAN #27766.
- "SUBDIVISION PLAN LAND OF ROGER G. CHAPPELL." SCALE: 1"=40'. DATED: AUGUST 28, 2000. PREPARED BY: MERIDIAN LAND SERVICES, H.C.R.D. PLAN #30761.
- "ALTA/ACSM LAND TITLE SURVEY, WOODLAND HEIGHTS APARTMENTS." SCALE: 1"=50'. DATED: MAY 2, 2003. PREPARED BY: T.F. MORAN INC. H.C.R.D. PLAN #32443.
- "EXISTING CONDITIONS PLAN, QUARRYWOOD GREEN CONDOMINIUMS." SCALE: 1"=50'. DATED: JULY 7, 2006. PREPARED BY: HOLDEN ENGINEERING & SURVEYING, INC. H.C.R.D. PLAN #35053.
- "LOT LINE ADJUSTMENT PLAN OF LAND LOT 43-69 SALT CREEK PROPERTIES, LLC." SCALE: 1"=200'. DATED: NOVEMBER 18, 2013. PREPARED BY: MONADNOCK SURVEY, INC. H.C.R.D. PLAN #38077.
- "OVERALL LOT LINE ADJUSTMENT & EASEMENT PLAN." SCALE: AS-SHOWN. DATED: SEPTEMBER 1, 2016. PREPARED BY: SANDFORD SURVEYING AND ENGINEERING, H.C.R.D. PLAN #39063.
- "OVERALL SUBDIVISION PLAN MAP 43 LOT 69; SUBDIVISION PLAN MAP 43 LOT 69" SCALE: AS SHOWN. DATED: JUNE 19, 2018. PREPARED BY SANDFORD SURVEYING AND ENGINEERING, H.C.R.D. PLAN #39996.

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- PROPOSED PROPERTY LINE



**GENERAL NOTES:**

- THE PURPOSE OF THIS PLAN IS TO DEPICT THE PROPOSED SUBDIVISION OF MAP 43 BLOCK 69 INTO TWO INDIVIDUAL LOTS IN THE TOWN OF MILFORD, N.H.
  - EXISTING LOT AREA:  
MAP 43 BLOCK 69 = 2,451,980 S.F.± OR 56.290 ACRES± (WHICH INCLUDES THE STONEYARD DRIVE RIGHT OF WAY THAT HAS NOT YET BEEN DEEDED TO THE TOWN OF MILFORD)
  - PROPOSED LOT AREAS (EXCLUDING THE STONEYARD DRIVE RIGHT OF WAY):  
MAP 43 BLOCK 69 = 557,892 S.F.± OR 12.807 ACRES±  
MAP 43 BLOCK 69-1 = 1,894,088 S.F.± OR 43.355 ACRES±
  - THE SUBJECT PARCEL IS LOCATED WITHIN THE COMMERCIAL (C) & LIMITED COMMERCIAL (LC) ZONING DISTRICT. DIMENSIONAL REQUIREMENTS ARE AS FOLLOWS:
- | ZONING DISTRICT            | REQUIRED   |                    | EXISTING     | PROPOSED BLOCK 69 | PROPOSED BLOCK 69-2 |
|----------------------------|------------|--------------------|--------------|-------------------|---------------------|
|                            | COMMERCIAL | LIMITED COMMERCIAL |              |                   |                     |
| MINIMUM LOT AREA           | 20,000 SF  | 20,000 SF          | 2,451,980 SF | 0 SF              | 0 SF                |
| MINIMUM LOT FRONTAGE       | 150 FT     | 150 FT             | 90.5 FT      | 150 FT            | 150 FT              |
| MINIMUM BUILDING SETBACKS: |            |                    |              |                   |                     |
| FRONT                      | 30 FT      | 30 FT              | N/A          | 30 FT             | 30 FT               |
| SIDE                       | 15 FT*     | 15 FT*             | N/A          | 15 FT*            | 15 FT*              |
| REAR                       | 15 FT*     | 15 FT*             | N/A          | 15 FT*            | 15 FT*              |
| MINIMUM OPEN SPACE         | 30%        | 30%                | 100%         | XX                | XX                  |
| MAXIMUM BUILDING HEIGHT    | 40 FT      | 45 FT              | N/A          | XX                | XX                  |
- \*30 FT IF BORDERING A STREET, LANE, OR PUBLIC WAY
- HORIZONTAL DATUM IS NAD 83 VERTICAL DATUM IS NAVD 88 OBTAINED THROUGH GPS OBSERVATIONS BASED UPON NHDOT CONTROL POINT 303-0340.
  - TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS THE RESULT OF AN ACTUAL FILED SURVEY PERFORMED BY THIS OFFICE IN JANUARY AND FEBRUARY OF 2022.
  - THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
  - EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF MILFORD MAP NUMBER 3301C0459D, PANEL NUMBER 459 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A DESIGNATED FLOOD HAZARD AREA.
  - EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIED HEREON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS. OTHER EASEMENTS, RIGHTS AND RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF THE SUBJECT PREMISES MAY DETERMINE.
  - WETLANDS WERE DELINEATED BY CHRISTOPHER DANFORTH, CERTIFIED WETLAND SCIENTIST #077 OF KEACH-NORDSTROM ASSOCIATES, INC OF BEDFORD, NEW HAMPSHIRE.
  - A PORTION OF THE SUBJECT SITE IS LOCATED WITHIN THE LEVEL II GROUNDWATER PROTECTION AREA.
  - ANY FUTURE DEVELOPMENT ON THE NEWLY CREATED MAP 43 BLOCK 69 WILL REQUIRE AN ALTERATION OF TERRAIN PERMIT REGARDLESS OF THE SQUARE FOOTAGE OF LAND DEVELOPMENT.



**PLANNING BOARD APPROVAL BLOCK**

SIGNATURE: \_\_\_\_\_ CHAIRMAN

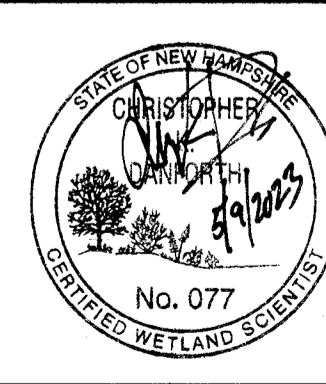
DATE: \_\_\_\_\_

APPROVAL NUMBER: \_\_\_\_\_

APPROVAL DATE: \_\_\_\_\_

**WETLAND CERTIFICATION:**

JURISDICTIONAL WETLANDS SHOWN ON THIS PLAN WERE DELINEATED IN DECEMBER OF 2021 BY CHRISTOPHER K. DANFORTH CWS #077. THE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2, JANUARY 2012. DOMINANT HYDRIC SOILS WITHIN THE WETLAND(S) WERE IDENTIFIED USING "FIELD INDICATORS OF HYDRIC SOILS OF THE UNITED STATES" A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, NRCS, VERSION 8.1, 2017. DOMINANCE OF HYDROPHYTIC VEGETATION WAS DETERMINED USING THE USACE 2020 NATIONAL WETLAND PLANT LIST, NWPL 2020 VERSION 3.5 HTTP://WETLAND-PLANTS.USACE.ARMY.MIL

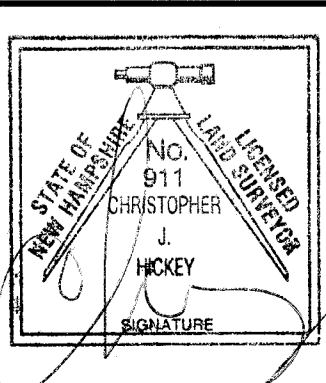


**SURVEYOR'S CERTIFICATION:**

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING JANUARY AND FEBRUARY OF 2022. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

*Christopher K. Danforth*  
LICENSED LAND SURVEYOR

DATE: 5/14/23



**OWNER OF MAP 43 BLOCK 69**

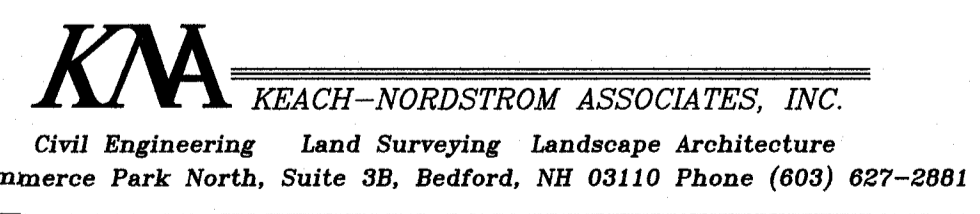
SIGNATURE: \_\_\_\_\_ SALT CREEK PROPERTIES, LLC

DATE: \_\_\_\_\_

**SUBDIVISION PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

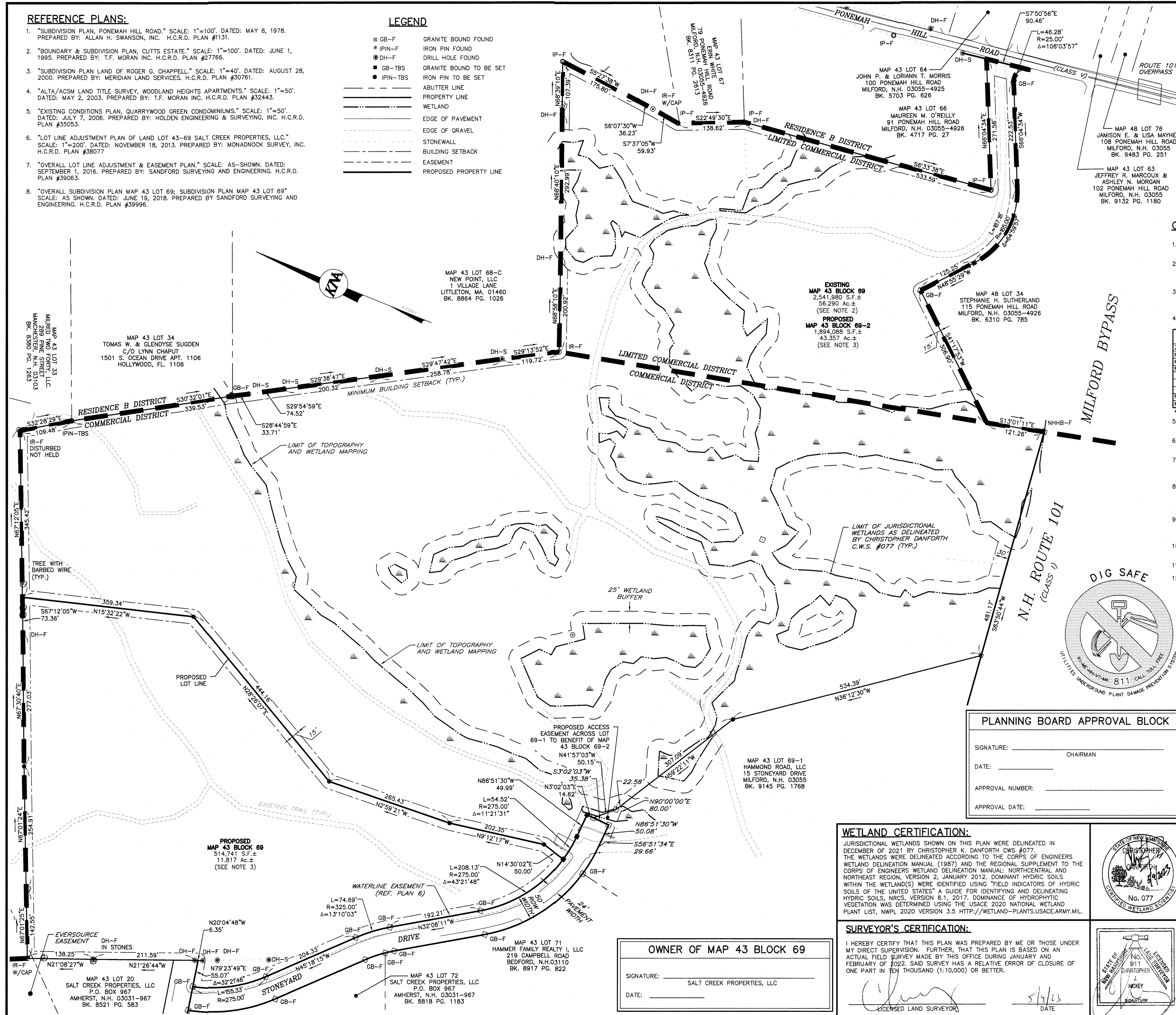
**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 100'  
PROJECT NO: 21-1216-1 SHEET 2 OF 46



**LEGEND**

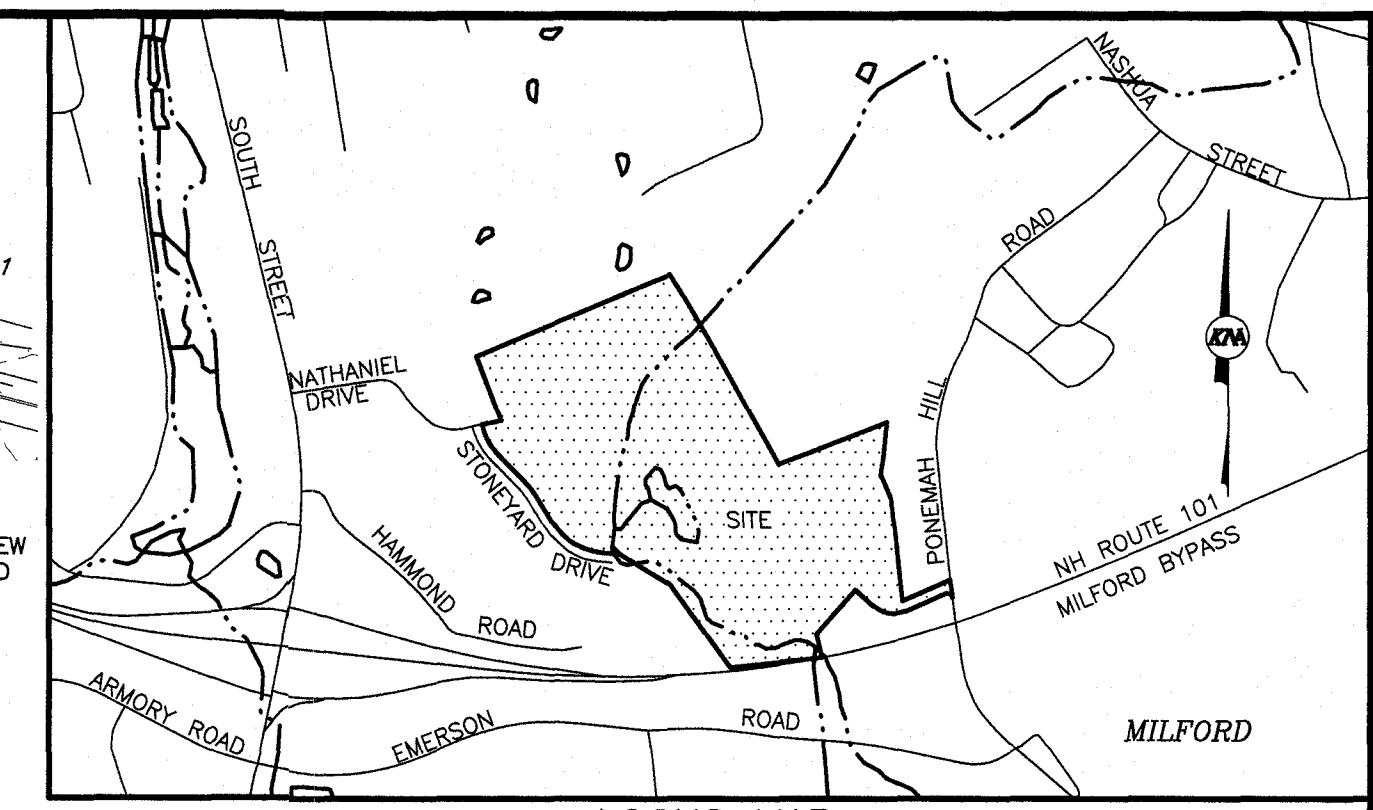
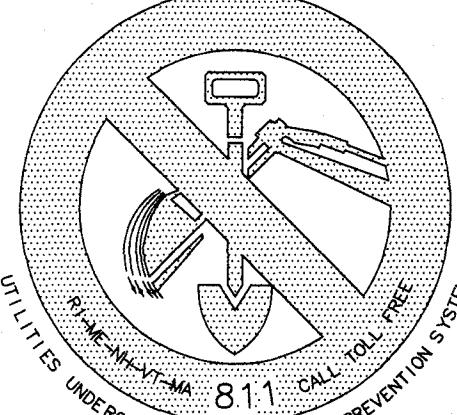
- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- GB-TBS GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- UTILITY POLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- CHAIN LINK FENCE
- OHU OVERHEAD UTILITIES
- DRAINAGE LINE
- TREE LINE
- 10' CONTOUR
- 2' CONTOUR
- SCS SOIL LINE
- SSS SOIL LINE
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- PROPOSED PROPERTY LINE

**SOILS LEGEND**

- | MAP UNIT | SOIL TYPE  |
|----------|--|
| CmD      | CANTON FINE SANDY LOAM 15 TO 25 PERCENT SLOPES, VERY STONY |
| CsC      | CHATFIELD-HOLLIS COMPLEX 8 TO 15 PERCENT SLOPES, ROCKY     |
| Qr       | QUARRIES   |
| CpB      | CHATFIELD-HOLLIS-CANTON COMPLEX 3 TO 8 PERCENT SLOPES      |
| LvA      | LEICESTER-WALPOLE COMPLEX, STONY 0 TO 3 PERCENT SLOPES     |
| SsB      | SCITUATE FINE SANDY LOAM 3 TO 8 PERCENT SLOPES             |
- SOURCE: USDA-SCS WEB SOIL SURVEY HILLSBOROUGH COUNTY

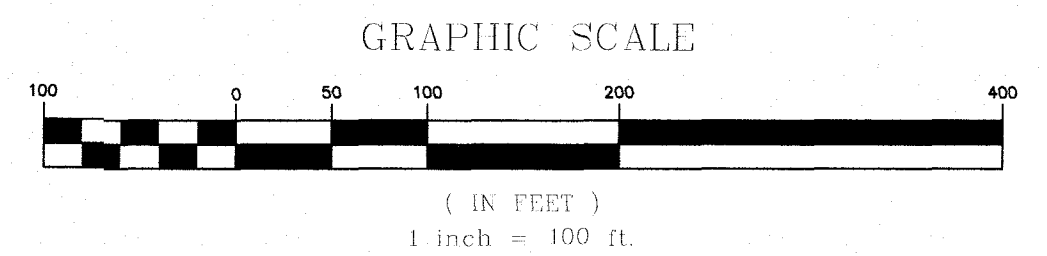
SEE SHEET 2 FOR REFERENCE PLANS

**DIG SAFE**



**GENERAL NOTES:**

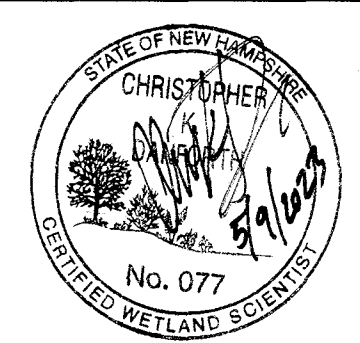
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE PROPOSED SUBDIVISION OF MAP 43 BLOCK 69 INTO TWO INDIVIDUAL LOTS IN THE TOWN OF MILFORD, N.H.
  - EXISTING LOT AREA:  
MAP 43 BLOCK 69 = 2,451,980 S.F.± OR 56,290 ACRES± (WHICH INCLUDES THE STONEYARD DRIVE RIGHT OF WAY THAT HAS NOT YET BEEN DEEDED TO THE TOWN OF MILFORD)
  - PROPOSED LOT AREAS (EXCLUDING THE STONEYARD DRIVE RIGHT OF WAY):  
MAP 43 BLOCK 69-1 = 557,892 S.F.± OR 12.807 ACRES±  
MAP 43 BLOCK 69-2 = 1,894,088 S.F.± OR 43.355 ACRES±
  - THE SUBJECT PARCEL IS LOCATED WITHIN THE COMMERCIAL (C) & LIMITED COMMERCIAL (LC) ZONING DISTRICT. DIMENSIONAL REQUIREMENTS ARE AS FOLLOWS:
- | ZONING DISTRICT            | REQUIRED   |                    | EXISTING     | PROPOSED BLOCK 69 | PROPOSED BLOCK 69-2 |
|----------------------------|------------|--------------------|--------------|-------------------|---------------------|
|                            | COMMERCIAL | LIMITED COMMERCIAL | N/A          | N/A               | N/A                 |
| MINIMUM LOT AREA           | 20,000 SF  | 20,000 SF          | 2,451,980 SF | 0 SF              | 0 SF                |
| MINIMUM LOT FRONTAGE       | 150 FT     | 150 FT             | 90.5 FT      | 150 FT            | 150 FT              |
| MINIMUM BUILDING SETBACKS: |            |                    |              |                   |                     |
| FRONT                      | 30 FT      | 30 FT              | N/A          | 30 FT             | 30 FT               |
| SIDE                       | 15 FT*     | 15 FT*             | N/A          | 15 FT*            | 15 FT*              |
| REAR                       | 15 FT*     | 15 FT*             | N/A          | 15 FT*            | 15 FT*              |
| MINIMUM OPEN SPACE         | 30%        | 30%                | 100%         | XX                | XX                  |
| MAXIMUM BUILDING HEIGHT    | 40 FT      | 45 FT              | N/A          | XX                | XX                  |
- \*30 FT IF BORDERING A STREET, LANE, OR PUBLIC WAY
- HORIZONTAL DATUM IS NAD 83 VERTICAL DATUM IS NAVD 88 OBTAINED THROUGH GPS OBSERVATIONS BASED UPON NHDOT CONTROL POINT 303-0340.
  - TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY THIS OFFICE IN JANUARY AND FEBRUARY OF 2022.
  - THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
  - EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF MILFORD MAP NUMBER 33010C4590, PANEL NUMBER 459 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A DESIGNATED FLOOD HAZARDOUS AREA.
  - EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIED HEREON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS. OTHER EASEMENTS, RIGHTS AND RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF THE SUBJECT PREMISES MAY DETERMINE.
  - WETLANDS WERE DELINEATED BY CHRISTOPHER DANFORTH, CERTIFIED WETLAND SCIENTIST #077 OF KEACH-NORDSTROM ASSOCIATES, INC. OF BEDFORD, NEW HAMPSHIRE.
  - A PORTION OF THE SUBJECT SITE IS LOCATED WITHIN THE LEVEL II GROUNDWATER PROTECTION AREA.



**TOPOGRAPHIC SUBDIVISION PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC P.O. BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KA KEACH-NORDSTROM ASSOCIATES, INC.**  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

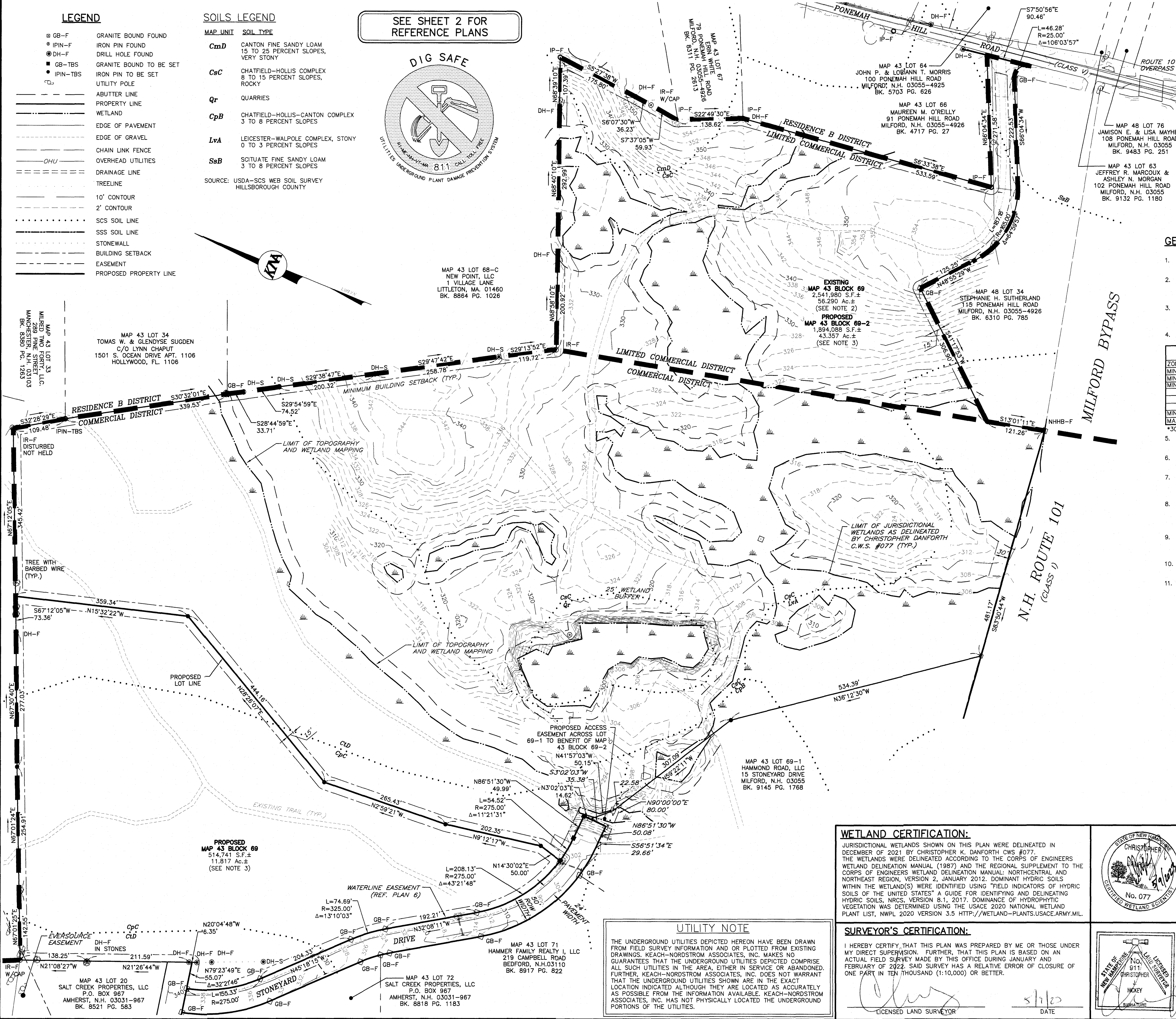


**WETLAND CERTIFICATION:**  
 JURISDICTIONAL WETLANDS SHOWN ON THIS PLAN WERE DELINEATED IN DECEMBER OF 2021 BY CHRISTOPHER K. DANFORTH CWS #077. THE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHEASTERN AND NORTHWESTERN REGIONS, VERSION 2, JANUARY 2012. DOMINANT HYDRIC SOILS WITHIN THE WETLAND(S) WERE IDENTIFIED USING "FIELD INDICATORS OF HYDRIC SOILS OF THE UNITED STATES" A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, NRCS, VERSION 8.1, 2017. DOMINANCE OF HYDROPHYTIC VEGETATION WAS DETERMINED USING THE USACE 2020 NATIONAL WETLAND PLANT LIST, NWPL 2020 VERSION 3.5 HTTP://WETLAND-PLANTS.USACE.ARMY.MIL

**SURVEYOR'S CERTIFICATION:**  
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING JANUARY AND FEBRUARY OF 2022. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

*Christopher Danforth*  
 LICENSED LAND SURVEYOR DATE 5/1/20

**UTILITY NOTE**  
 THE UNDERGROUND UTILITIES DEPICTED HEREON HAVE BEEN DRAWN FROM FIELD SURVEY INFORMATION AND/OR PLOTTED FROM EXISTING DRAWINGS. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, KEACH-NORDSTROM ASSOCIATES, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. KEACH-NORDSTROM ASSOCIATES, INC. HAS NOT PHYSICALLY LOCATED THE UNDERGROUND PORTIONS OF THE UTILITIES.



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 100'  
 PROJECT NO: 21-1216-1 SHEET 3 OF 46

**SOILS LEGEND**

MAP UNIT	SOIL TYPE
CmD	CANTON FINE SANDY LOAM 15 TO 25 PERCENT SLOPES, VERY STONY
CsC	CHATFIELD-HOLLIS COMPLEX 8 TO 15 PERCENT SLOPES, ROCKY
Qr	QUARRIES
CpB	CHATFIELD-HOLLIS-CANTON COMPLEX 3 TO 8 PERCENT SLOPES
LvA	LEICESTER-WALPOLE COMPLEX, STONY 0 TO 3 PERCENT SLOPES
SsB	SCITUATE FINE SANDY LOAM 3 TO 8 PERCENT SLOPES

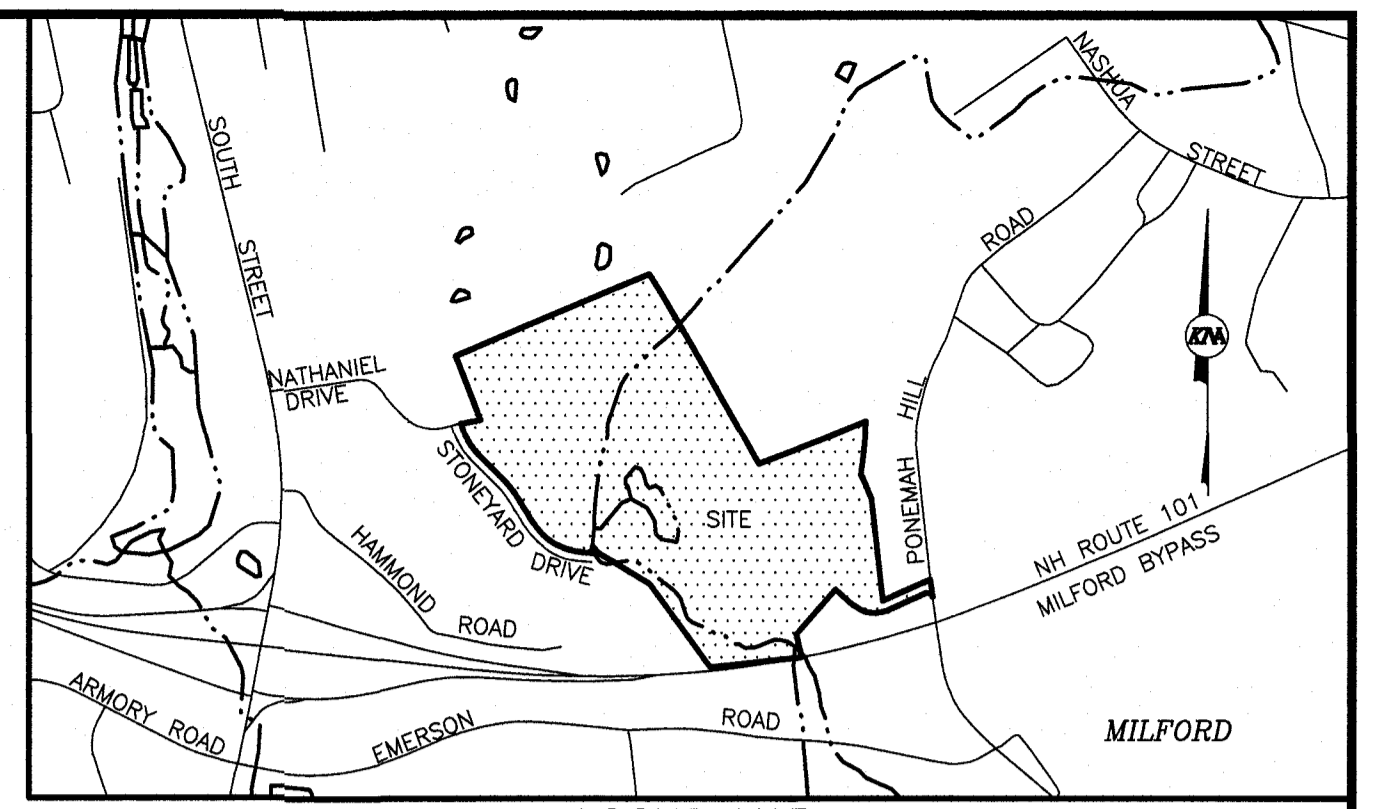
SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

**REFERENCE PLANS:**

- "SUBDIVISION PLAN, PONEMAH HILL ROAD," SCALE: 1"=100', DATED: MAY 8, 1978. PREPARED BY: ALLAN H. SWANSON, INC. H.C.R.D. PLAN #1131.
- "BOUNDARY & SUBDIVISION PLAN, CUTTS ESTATE," SCALE: 1"=100', DATED: JUNE 1, 1995. PREPARED BY: T.F. MORAN INC. H.C.R.D. PLAN #27766.
- "SUBDIVISION PLAN LAND OF ROGER G. CHAPPELL," SCALE: 1"=40', DATED: AUGUST 28, 2000. PREPARED BY: MERIDIAN LAND SERVICES, H.C.R.D. PLAN #30761.
- "ALTA/ACSM LAND TITLE SURVEY, WOODLAND HEIGHTS APARTMENTS," SCALE: 1"=50', DATED: MAY 2, 2003. PREPARED BY: T.F. MORAN INC. H.C.R.D. PLAN #32443.
- "EXISTING CONDITIONS PLAN, QUARRYWOOD GREEN CONDOMINIUMS," SCALE: 1"=50', DATED: JULY 7, 2006. PREPARED BY: HOLDEN ENGINEERING & SURVEYING, INC. H.C.R.D. PLAN #35053.
- "LOT LINE ADJUSTMENT PLAN OF LAND LOT 43-69 SALT CREEK PROPERTIES, LLC," SCALE: 1"=200', DATED: NOVEMBER 18, 2013. PREPARED BY: MONADNOCK SURVEY, INC. H.C.R.D. PLAN #38077.
- "OVERALL LOT LINE ADJUSTMENT & EASEMENT PLAN," SCALE: AS-SHOWN, DATED: SEPTEMBER 1, 2016. PREPARED BY: SANFORD SURVEYING AND ENGINEERING, H.C.R.D. PLAN #39063.
- "OVERALL SUBDIVISION PLAN MAP 43 LOT 69; SUBDIVISION PLAN MAP 43 LOT 69" SCALE: AS SHOWN, DATED: JUNE 19, 2018. PREPARED BY SANFORD SURVEYING AND ENGINEERING, H.C.R.D. PLAN #39996.

**LEGEND**

GB-F	GRANITE BOUND FOUND	---	WETLAND BUFFER
NHHB-F	N.H. HIGHWAY BOUND FOUND	---	POST & RAIL FENCE
IPP-F	IRON PIPE FOUND	---	R.O.W. FENCE
IR-F	IRON ROD FOUND	---	OVERHEAD UTILITIES
DH-F	DRILL HOLE FOUND	---	WATER LINE
DH-S	DRILL HOLE SET	---	DRAINAGE LINE
	TREE WITH BARBED WIRE	---	EDGE OF PAVEMENT
	BENCHMARK	---	10' CONTOUR
	UTILITY POLE	---	2' CONTOUR
	WATER VALVE	---	STONEWALL
	SEWER MANHOLE	---	SOIL LINE
	DRAINAGE MANHOLE	---	SETBACK
	CATCH BASIN	---	TREELINE
	CONIFEROUS TREE	---	ABUTTER LINE
	DECIDUOUS TREE	---	PROPERTY LINE
		---	WETLAND

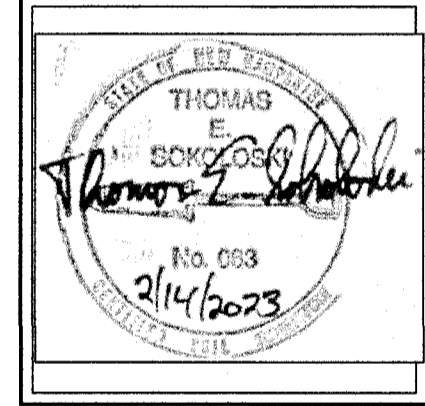


**LOCUS MAP**  
SCALE: 1" = 1000'

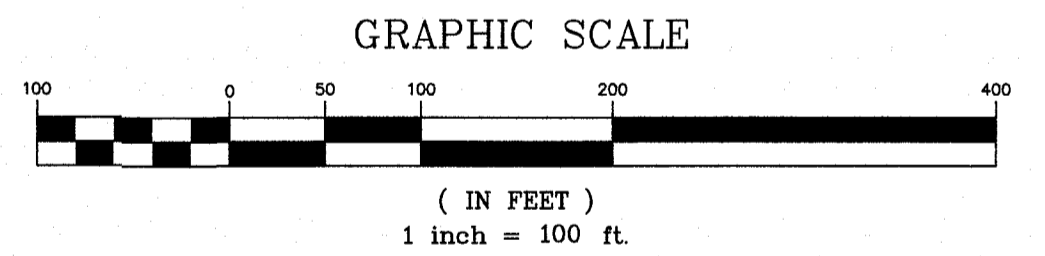
**SITE SPECIFIC SOIL MAP UNIT KEY**

SYMBOL	MAP UNIT	SLOPE CLASS	DRAINAGE CLASS	HSG
29B	WOODBIDGE FINE SANDY LOAM	0-8%	MODERATELY WELL	C
29C	WOODBIDGE FINE SANDY LOAM	8-15%	MODERATELY WELL	C
29D	WOODBIDGE FINE SANDY LOAM	15-25%	MODERATELY WELL	C
66C	PAXTON FINE SANDY LOAM	8-15%	WELL	C
66D	PAXTON FINE SANDY LOAM	15-25%	WELL	C
66E	PAXTON FINE SANDY LOAM	25%+	WELL	C
86B	HOLLIS FINE SANDY LOAM	0-8%	WELL	D
86C	HOLLIS FINE SANDY LOAM	8-15%	WELL	D
86D	HOLLIS FINE SANDY LOAM	15-25%	WELL	D
86E	HOLLIS FINE SANDY LOAM	25%+	WELL	D
89B	CHATFIELD FINE SANDY LOAM	0-8%	WELL	B
89C	CHATFIELD FINE SANDY LOAM	8-15%	WELL	B
89D	CHATFIELD FINE SANDY LOAM	15-25%	WELL	B
189B	CHATFIELD FINE SANDY LOAM, MWD	0-8%	MODERATELY WELL	B
189C	CHATFIELD FINE SANDY LOAM, MWD	8-15%	MODERATELY WELL	B
500B/cbccc	UDORTHERTS, LOAMY	0-8%	WELL	B
500C/cbccc	UDORTHERTS, LOAMY	8-15%	WELL	B
500E/cbccc	UDORTHERTS, LOAMY	25%+	WELL	B
500B/cdccc	UDORTHERTS, LOAMY	0-8%	WELL	C
500C/cdccc	UDORTHERTS, LOAMY	8-15%	WELL	C
500E/cdccc	UDORTHERTS, LOAMY	25%+	WELL	C
500B/dccccc	UDORTHERTS, LOAMY	0-8%	MODERATELY WELL	C
500C/dccccc	UDORTHERTS, LOAMY	8-15%	POORLY	C
500E/dccccc	UDORTHERTS, LOAMY	25%+	POORLY	C
656B	RIDGEBURY FINE SANDY LOAM	0-8%	POORLY	C
926B	RIDGEBURY (SPD)	0-8%	SOMEWHAT POORLY	C

\*REFER TO ACCOMPANYING REPORT FOR 5-UNIT SUPPLEMENTAL SYMBOL EXPLANATION  
THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOILS SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, PRODUCED BY A CERTIFIED SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE CONSERVATION SERVICE. THERE IS A NARRATIVE REPORT THAT ACCOMPANIES THIS MAP AND MAP KEY.

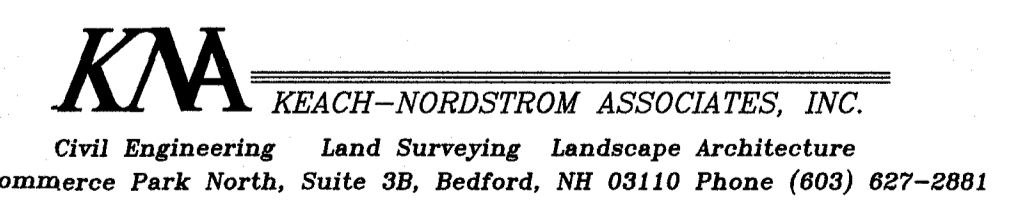


THIS DETAILED SITE-SPECIFIC SOIL MAP, PREPARED ON MAY 2 AND 18, 2022 BY THOMAS E. SOKOLOWSKI, CERTIFIED SOIL SCIENTIST #063 OF TES ENVIRONMENTAL CONSULTANTS, LLC, IN BOW, NEW HAMPSHIRE, CONFORMS TO THE STANDARDS OF SSSNIE PUBLICATION NO. 3, VERSION 7.0, "SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT, JULY 2021. THIS MAP HAS BEEN PREPARED TO COMPLY WITH SOIL MAPPING REQUIREMENTS OF RSA 485-A:17 AND NHDES ENV-WQ 1500, ALTERATION OF TERRAIN. SEE ACCOMPANYING REPORT FOR METHODOLOGY, MAP SYMBOL LEGEND, AND INTERPRETATIONS. USE OF THE MAP SYMBOL DENOMINATORS FOR DISTURBED OR ALTERED SOILS, WHERE GIVEN, IS AT THE DISCRETION OF THE CERTIFIED SOIL SCIENTIST.



**EXISTING CONDITIONS**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF RECORD:	OWNER/APPLICANT:
SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060



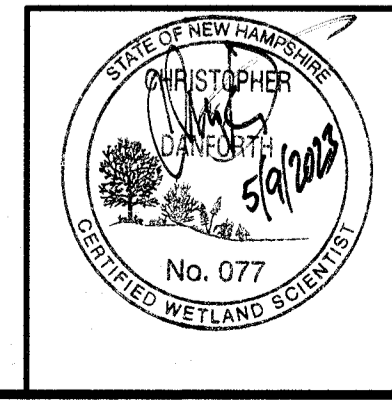
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 100'  
PROJECT NO: 21-1216-1 SHEET 4 OF 46

SEE SHEET 5 FOR NOTES

**WETLAND CERTIFICATION:**

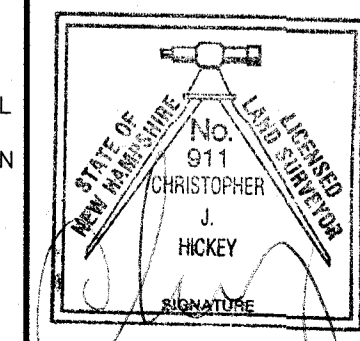
JURISDICTIONAL WETLANDS SHOWN ON THIS PLAN WERE DELINEATED IN DECEMBER OF 2021 BY CHRISTOPHER K. DANFORTH CWS #077. THE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2, JANUARY 2012. DOMINANT HYDRIC SOILS WITHIN THE WETLAND(S) WERE IDENTIFIED USING "FIELD INDICATORS OF HYDRIC SOILS OF THE UNITED STATES" A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, NRCS, VERSION 8.1, 2017. DOMINANCE OF HYDROPHYTIC VEGETATION WAS DETERMINED USING THE USACE 2020 NATIONAL WETLAND PLANT LIST, NWPL 2020 VERSION 3.5 HTTP://WETLAND-PLANTS.USACE.ARMY.MIL.



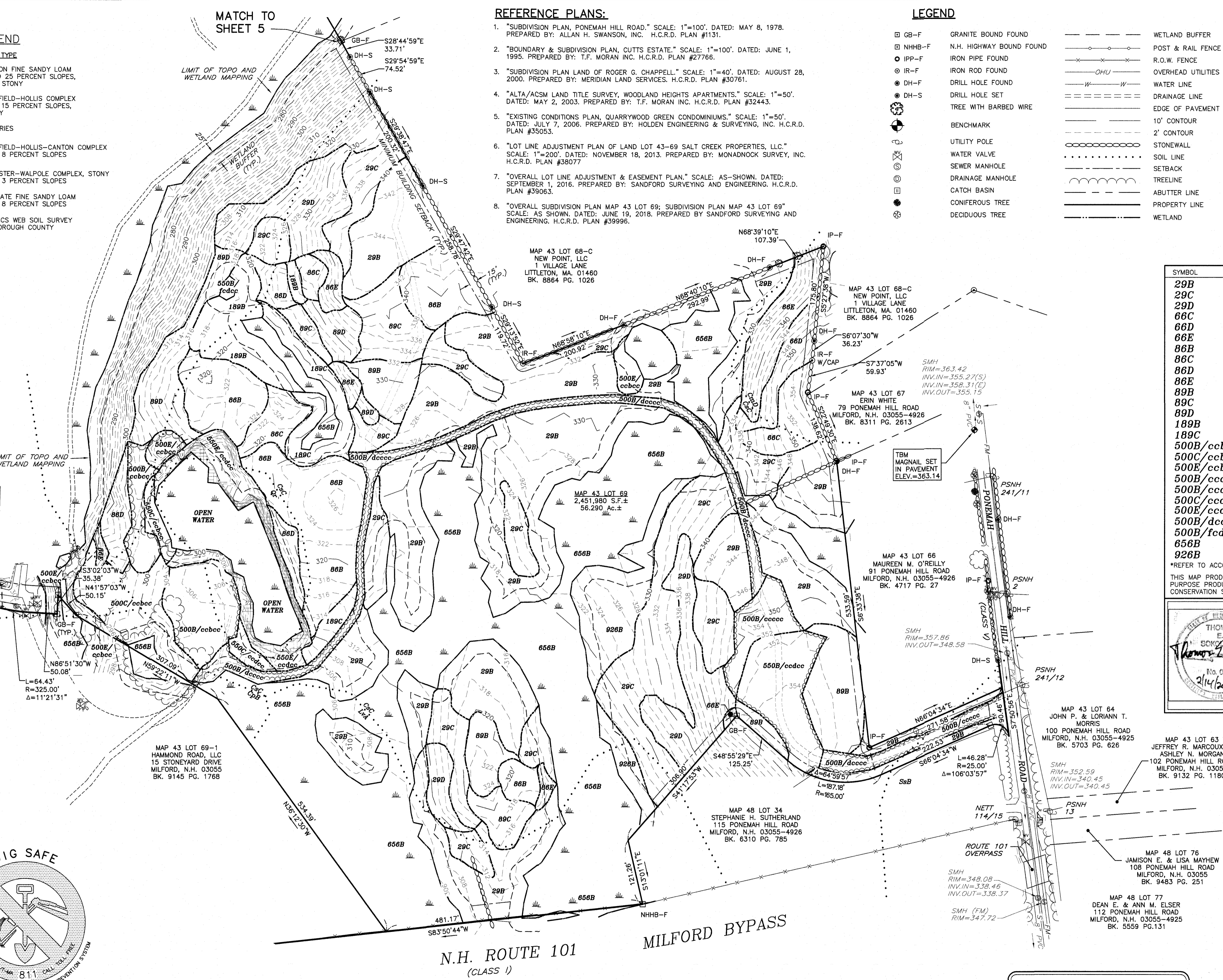
**SURVEYOR'S CERTIFICATION:**

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING JANUARY AND FEBRUARY OF 2022. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

*[Signature]* 5/1/23  
LICENSED LAND SURVEYOR DATE



MATCH TO SHEET 5



**UTILITY NOTE**

THE UNDERGROUND UTILITIES DEPICTED HEREON HAVE BEEN DRAWN FROM FIELD SURVEY INFORMATION AND/OR PLOTTED FROM EXISTING DRAWINGS. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, KEACH-NORDSTROM ASSOCIATES, INC. DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. KEACH-NORDSTROM ASSOCIATES, INC. HAS NOT PHYSICALLY LOCATED THE UNDERGROUND PORTIONS OF THE UTILITIES.

SEE SHEET 4 FOR REFERENCE PLANS

**LEGEND**

- GB-F GRANITE BOUND FOUND
- ⊙ IR-F IRON ROD FOUND
- ⊙ DH-F DRILL HOLE FOUND
- ⊙ TREE WITH BARBED WIRE
- UTILITY POLE
- WATER VALVE
- HYDRANT
- SEWER MANHOLE
- CATCH BASIN
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- WETLAND BUFFER
- OHU OVERHEAD UTILITIES
- W-W WATER LINE
- DRAINAGE LINE
- TREELINE
- EDGE OF PAVEMENT
- 10' CONTOUR
- 2' CONTOUR
- STONEWALL
- SOIL LINE
- SETBACK
- EASEMENT
- TREELINE

**SOILS LEGEND**

MAP UNIT SOIL TYPE

- CpB** CHATFIELD-HOLLIS-CANTON COMPLEX  
3 TO 8 PERCENT SLOPES
- Ctd** CHATFIELD-HOLLIS-ROCK OUTCROP COMPLEX  
15 TO 35 PERCENT SLOPES

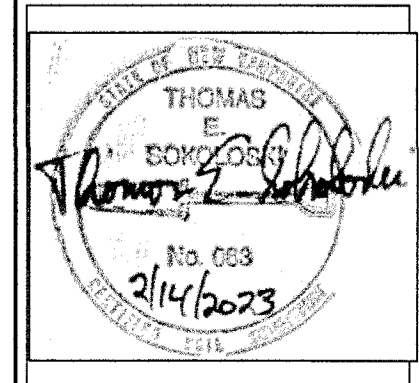
SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

**SITE SPECIFIC SOIL MAP UNIT KEY**

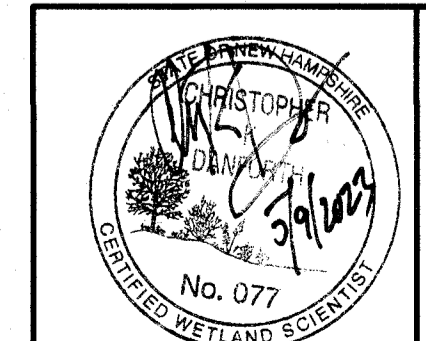
SYMBOL	MAP UNIT	SLOPE CLASS	DRAINAGE CLASS	HSG
29B	WOODBIDGE FINE SANDY LOAM	0-8%	MODERATELY WELL	C
29C	WOODBIDGE FINE SANDY LOAM	8-15%	MODERATELY WELL	C
29D	WOODBIDGE FINE SANDY LOAM	15-25%	MODERATELY WELL	C
66C	FAXTON FINE SANDY LOAM	8-15%	WELL	C
66D	FAXTON FINE SANDY LOAM	15-25%	WELL	C
66E	FAXTON FINE SANDY LOAM	25%+	WELL	C
86B	HOLLIS FINE SANDY LOAM	0-8%	WELL	D
86C	HOLLIS FINE SANDY LOAM	8-15%	WELL	D
86D	HOLLIS FINE SANDY LOAM	15-25%	WELL	D
86E	HOLLIS FINE SANDY LOAM	25%+	WELL	D
89B	CHATFIELD FINE SANDY LOAM	0-8%	WELL	B
89C	CHATFIELD FINE SANDY LOAM	8-15%	WELL	B
89D	CHATFIELD FINE SANDY LOAM	15-25%	WELL	B
189B	CHATFIELD FINE SANDY LOAM, MWD	0-8%	MODERATELY WELL	B
189C	CHATFIELD FINE SANDY LOAM, MWD	8-15%	MODERATELY WELL	B
500B/cbccc	UDORTHERTS, LOAMY	0-8%	WELL	B
500C/cbccc	UDORTHERTS, LOAMY	8-15%	WELL	B
500E/cbccc	UDORTHERTS, LOAMY	25%+	WELL	B
500B/cdccc	UDORTHERTS, LOAMY	0-8%	WELL	C
500B/cdccc	UDORTHERTS, LOAMY	0-8%	WELL	D
500C/cdccc	UDORTHERTS, LOAMY	8-15%	WELL	D
500E/cdccc	UDORTHERTS, LOAMY	25%+	WELL	D
500B/dccccc	UDORTHERTS, LOAMY	0-8%	MODERATELY WELL	C
500B/fdccc	UDORTHERTS, LOAMY	0-8%	POORLY	D
656B	RIDGEBURY FINE SANDY LOAM	0-8%	POORLY	C
926B	RIDGEBURY (SPD)	0-8%	SOMEWHAT POORLY	C

\*REFER TO ACCOMPANYING REPORT FOR 5-UNIT SUPPLEMENTAL SYMBOL EXPLANATION

THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOILS SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, PRODUCED BY A CERTIFIED SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE CONSERVATION SERVICE. THERE IS A NARRATIVE REPORT THAT ACCOMPANIES THIS MAP AND MAP KEY.



THIS DETAILED SITE-SPECIFIC SOIL MAP, PREPARED ON MAY 2 AND 18, 2022 BY THOMAS E. SOKOLOSKI, CERTIFIED SOIL SCIENTIST #063 OF THE STATE OF NEW HAMPSHIRE, CONFORMS TO THE STANDARDS OF THE NATIONAL COOPERATIVE SOILS SURVEY. THIS MAP HAS BEEN PREPARED TO COMPLY WITH SOIL MAPPING REQUIREMENTS OF RSA 485-A:17 AND NHDES ENV-10 1500, ALTERATION OF TERRAIN. SEE ACCOMPANYING REPORT FOR METHODOLOGY, MAP SYMBOL LEGEND, AND INTERPRETATIONS. USE OF THE MAP SYMBOL DENOMINATORS FOR DISTURBED OR ALTERED SOILS, WHERE GIVEN, IS AT THE DISCRETION OF THE CERTIFIED SOIL SCIENTIST.

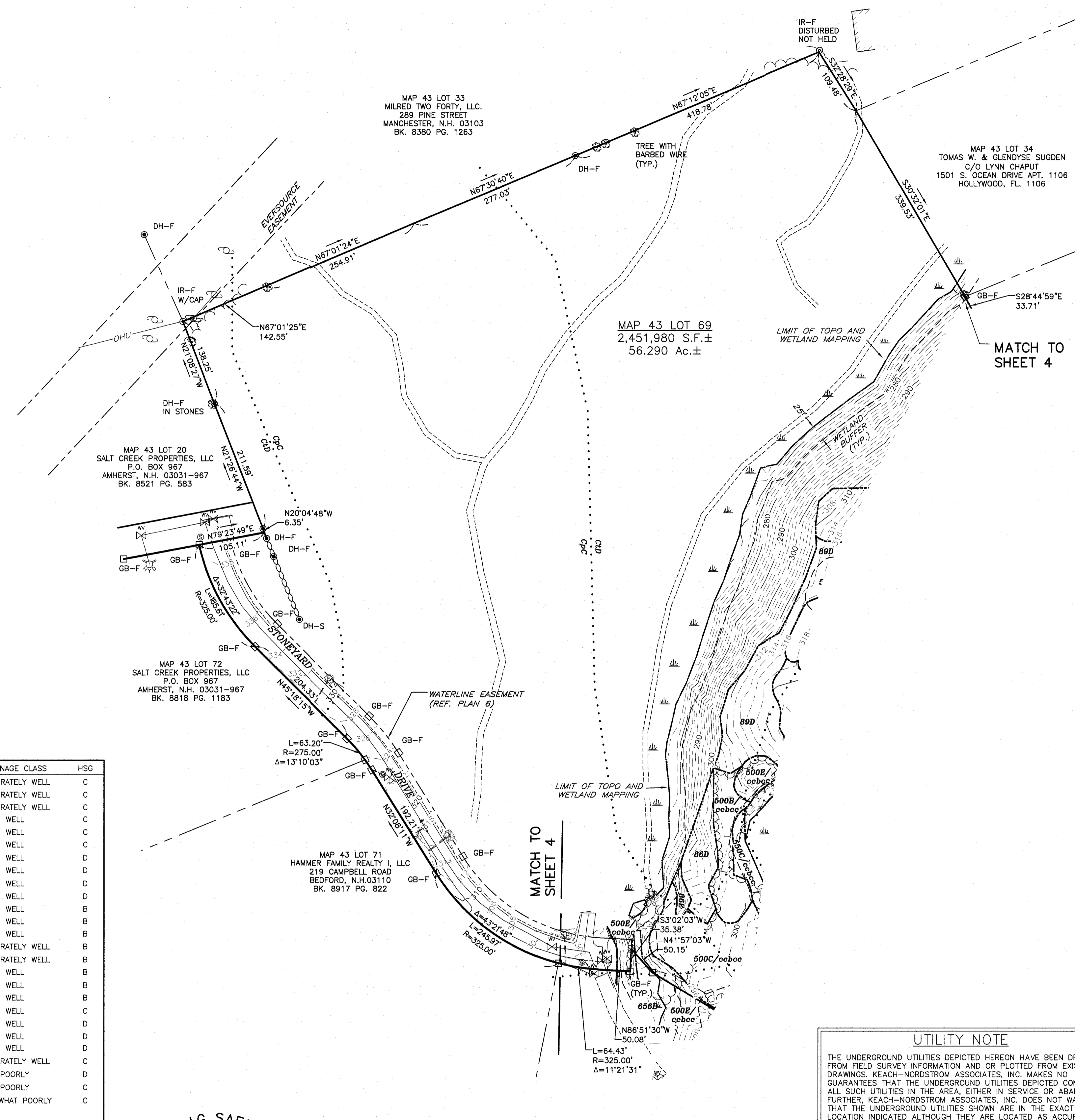


**WETLAND CERTIFICATION:**  
 JURISDICTIONAL WETLANDS SHOWN ON THIS PLAN WERE DELINEATED IN DECEMBER OF 2021 BY CHRISTOPHER K. DANFORTH CWS #077. THE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2, JANUARY 2012. DOMINANT HYDRIC SOILS WITHIN THE WETLAND(S) WERE IDENTIFIED USING FIELD INDICATORS OF HYDRIC SOILS OF THE UNITED STATES\* A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, NRCS, VERSION 8.1, 2017. DOMINANCE OF HYDROPHYTIC VEGETATION WAS DETERMINED USING THE USACE 2020 NATIONAL WETLAND PLANT LIST, NWPL 2020 VERSION 3.5 HTTP://WETLAND-PLANTS.USACE.ARMY.MIL.

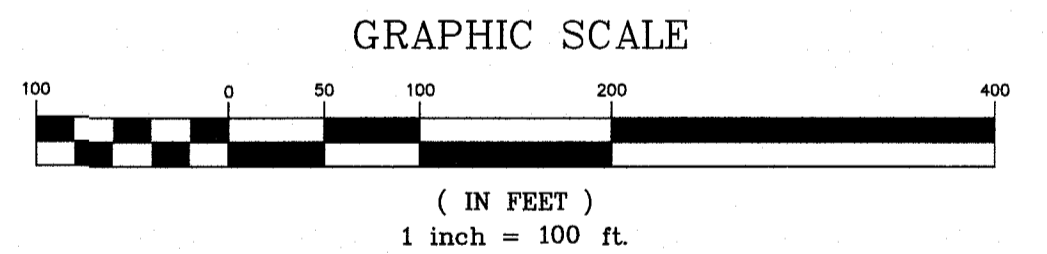
**SURVEYOR'S CERTIFICATION:**  
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE BY THIS OFFICE DURING JANUARY AND FEBRUARY OF 2022. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.  
 [Signature] 5/9/23  
 LICENSED LAND SURVEYOR DATE

REVISONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 100'  
 PROJECT NO: 21-1216-1 SHEET 5 OF 46



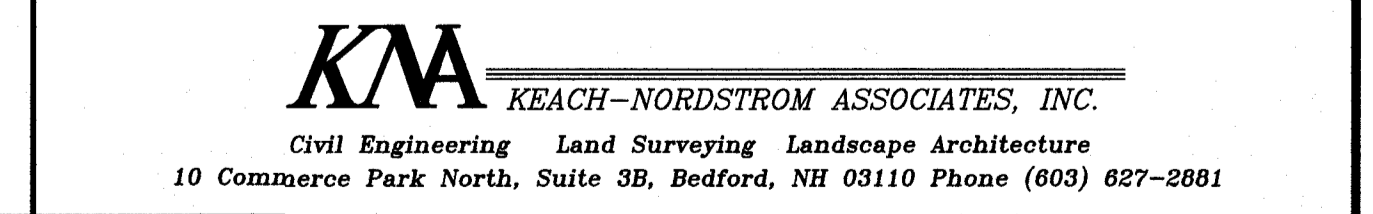
- NOTES:**
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS PRESENT ON MAP 43 BLOCK 69 IN THE MILFORD, N.H.
  - EXISTING LOT AREA: 2,451,980 S.F.± OR 56.290 ACRES± (WHICH INCLUDES THE STONEYARD DRIVE RIGHT OF WAY THAT HAS YET TO BE DEEDED TO THE TOWN OF MILFORD)
  - OWNER OF RECORD: SALT CREEK PROPERTIES, LLC P.O. BOX 967 AMHERST, N.H. 03031-0967 BK. 8420 PG. 1596
  - THE SUBJECT PARCEL IS LOCATED WITHIN THE COMMERCIAL (C) & LIMITED COMMERCIAL (LC) ZONING DISTRICT. DIMENSIONAL REQUIREMENTS ARE AS FOLLOWS:  
 FRONT: 30'  
 SIDE: 15' (30' IF BORDERING A STREET, LANE OR PUBLIC WAY)  
 REAR: 15' (30' IF BORDERING A STREET, LANE OR PUBLIC WAY)
  - HORIZONTAL DATUM IS NAD 83 VERTICAL DATUM IS NAVD 88 OBTAINED THROUGH GPS OBSERVATIONS BASED UPON NHDOT CONTROL POINT 303-0340.
  - TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON IS THE RESULT OF AN ACTUAL FILED SURVEY PERFORMED BY THIS OFFICE IN JANUARY AND FEBRUARY OF 2022.
  - THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. KEACH-NORDSTROM ASSOCIATES, INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
  - EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF MILFORD MAP NUMBER 33011C04590, PANEL NUMBER 459 OF 701 EFFECTIVE DATE: SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A DESIGNATED FLOOD HAZARD AREA.
  - EASEMENTS, RIGHTS AND RESTRICTIONS SHOWN OR IDENTIFIED HEREON ARE THOSE FOUND DURING RESEARCH AT THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS, OTHER EASEMENTS, RIGHTS AND RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF THE SUBJECT PREMISES MAY DETERMINE.



**EXISTING CONDITIONS**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
 SALT CREEK PROPERTIES, LLC  
 PO BOX 967  
 AMHERST, NH 03031  
 H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
 TM BOLDUC HOLDINGS, LLC  
 131 BURKE STREET, SUITE A  
 NASHUA, NH 03060







PROPOSED  
MAP 43 BLOCK 69-2  
1,894,088 S.F.±  
43,355 AC.±

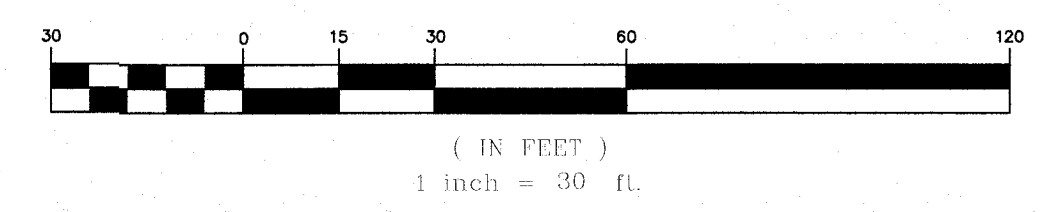
**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- U UTILITY POLE
- W WATER VALVE
- S SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- ↑ PROPOSED SIGN
- ⊕ PROPOSED LIGHT
- ⊕ PROPOSED WATER VALVE
- ⊕ PROPOSED HYDRANT
- ⊕ PROPOSED SEWER MANHOLE
- ⊕ PROPOSED DRAINAGE MANHOLE
- ⊕ PROPOSED CATCH BASIN
- PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL
- OHU PROPOSED OVERHEAD UTILITIES
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE
- PROPOSED GRAVEL
- PROPOSED RIP RAP

LOAM & SEED ALL  
DISTURBED AREAS (TYP.)

SEE SHEET 1 FOR GENERAL  
NOTES & REFERENCE PLANS

GRAPHIC SCALE



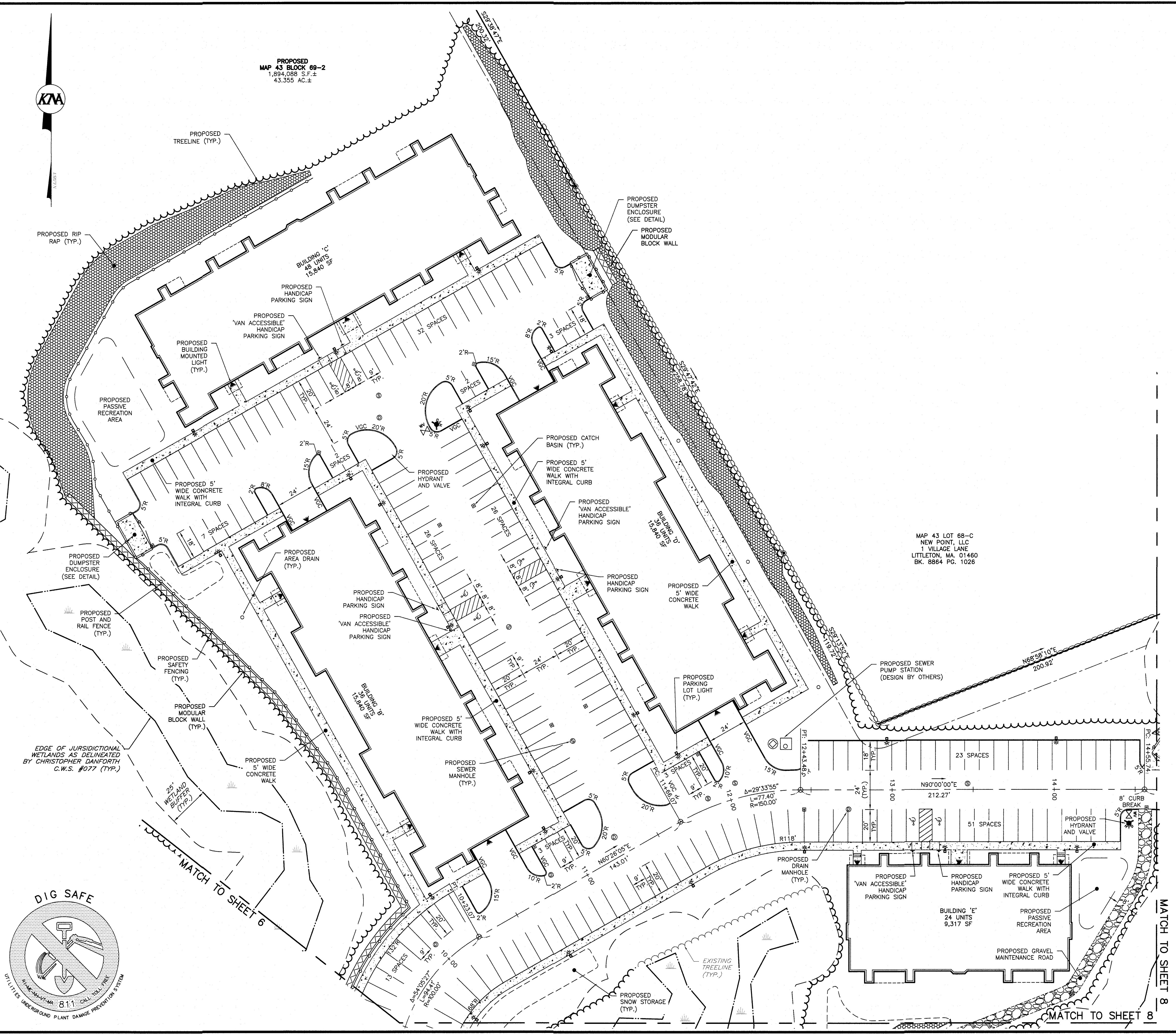
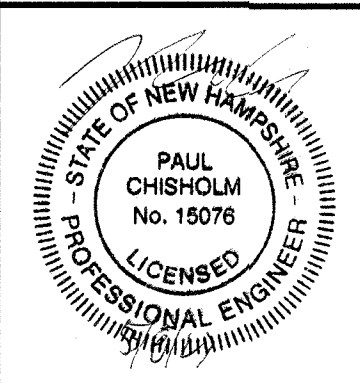
**RESIDENTIAL SITE PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<p><b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596</p>	<p><b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060</p>
---	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
PROJECT NO: 21-1216-1      SHEET 7 OF 46



PROPOSED RIP RAP (TYP.)

PROPOSED TREELINE (TYP.)

BUILDING 'C'  
48 UNITS  
15,840 SF

PROPOSED DUMPSTER ENCLOSURE (SEE DETAIL)

PROPOSED MODULAR BLOCK WALL

MAP 43 LOT 68-C  
NEW POINT, LLC  
1 VILLAGE LANE  
LITTLETON, MA. 01460  
BK. 8864 PG. 1026

PROPOSED SEWER PUMP STATION (DESIGN BY OTHERS)

EDGE OF JURISDICTIONAL WETLANDS AS DELINEATED BY CHRISTOPHER DANFORTH C.W.S. #077 (TYP.)

25' WETLAND BUFFER (TYP.)

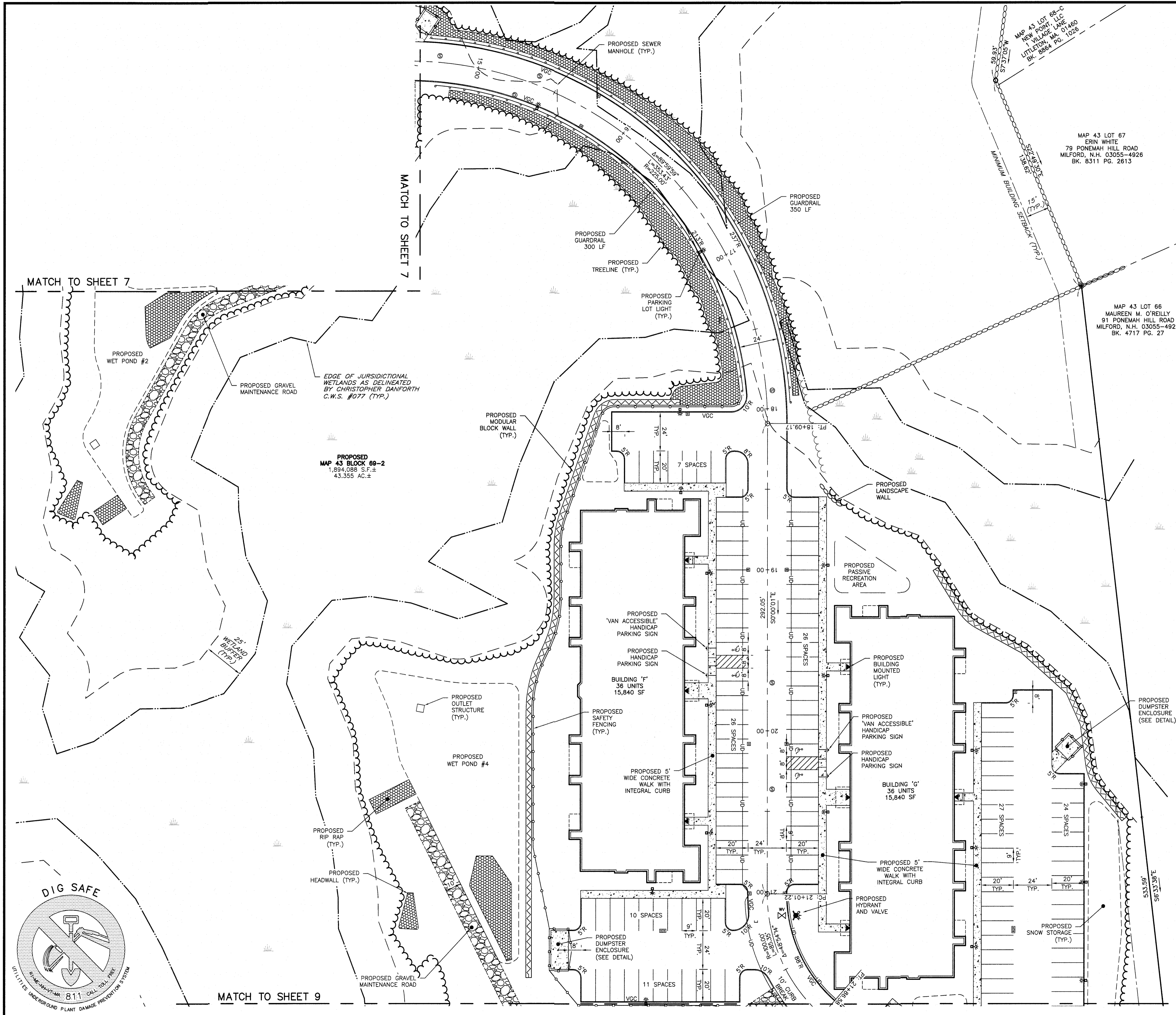
MATCH TO SHEET 6

MATCH TO SHEET 8

MATCH TO SHEET 8







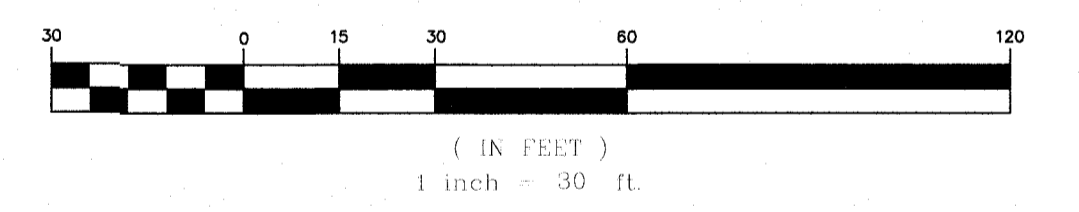
**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- UTILITY POLE
- W WATER VALVE
- S SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- ↑ PROPOSED SIGN
- ↑ PROPOSED LIGHT
- ↑ PROPOSED WATER VALVE
- ↑ PROPOSED HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL
- OHU PROPOSED OVERHEAD UTILITIES
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE
- PROPOSED GRAVEL
- PROPOSED RIP RAP

LOAM & SEED ALL DISTURBED AREAS (TYP.)

SEE SHEET 1 FOR GENERAL NOTES & REFERENCE PLANS

**GRAPHIC SCALE**

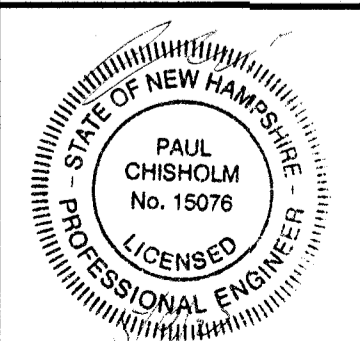


**RESIDENTIAL SITE PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
 SALT CREEK PROPERTIES, LLC  
 PO BOX 967  
 AMHERST, NH 03031  
 H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
 TM BOLDUC HOLDINGS, LLC  
 131 BURKE STREET, SUITE A  
 NASHUA, NH 03060

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
 PROJECT NO: 21-1216-1 SHEET 8 OF 46



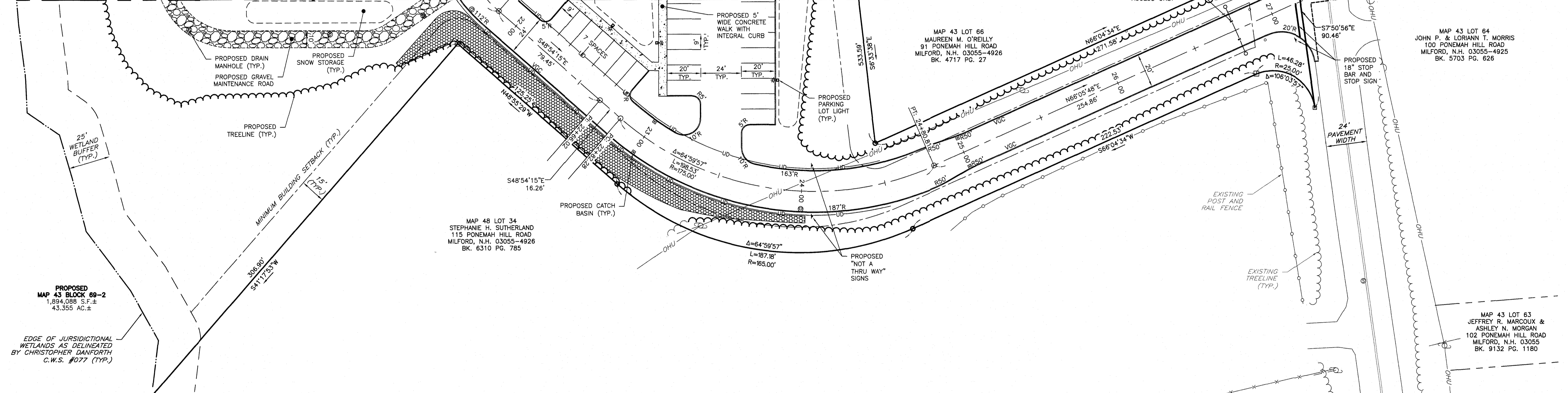
MATCH TO SHEET 9

MATCH TO SHEET 7

MATCH TO SHEET 7



MATCH TO SHEET 8

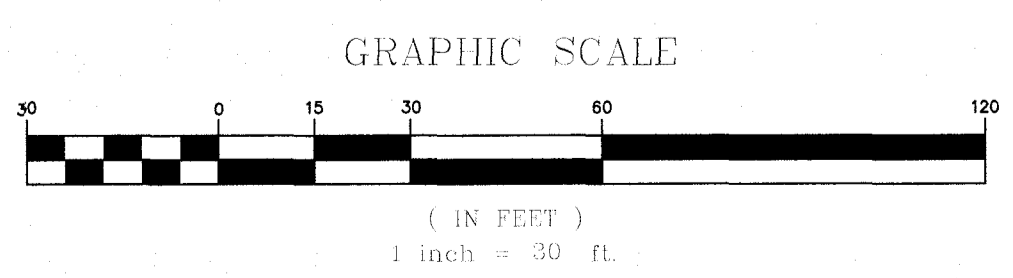
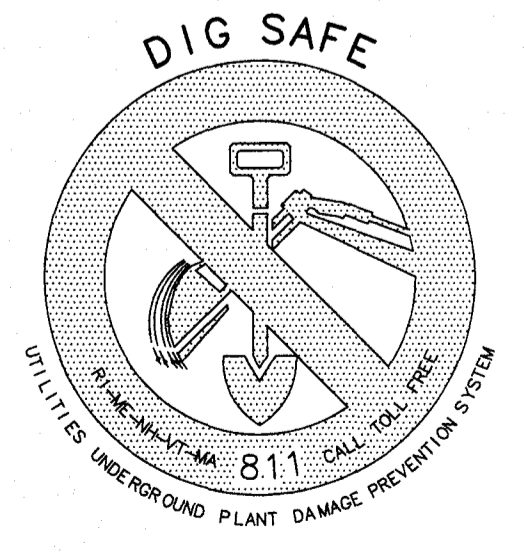


PROPOSED MAP 43 BLOCK 69-2 1,894,088 S.F. ± 43.355 AC. ±  
EDGE OF JURISDICTIONAL WETLANDS AS DELINEATED BY CHRISTOPHER DANFORTH C.W.S. #077 (TYP.)

LOAM & SEED ALL DISTURBED AREAS (TYP.)  
SEE SHEET 1 FOR GENERAL NOTES & REFERENCE PLANS

LEGEND

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- ⊙ DH-F DRILL HOLE FOUND
- ⊙ UTILITY POLE
- ⊙ WATER VALVE
- ⊙ SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK EASEMENT
- ⊙ PROPOSED SIGN
- ⊙ PROPOSED LIGHT
- ⊙ PROPOSED WATER VALVE
- ⊙ PROPOSED HYDRANT
- ⊙ PROPOSED SEWER MANHOLE
- ⊙ PROPOSED DRAINAGE MANHOLE
- ⊙ PROPOSED CATCH BASIN
- ⊙ PROPOSED POST & RAIL FENCE
- ⊙ PROPOSED GUARDRAIL
- ⊙ PROPOSED OVERHEAD UTILITIES
- ⊙ PROPOSED TREELINE
- ⊙ PROPOSED EDGE OF PAVEMENT
- ⊙ PROPOSED VERTICAL GRANITE CURB
- ⊙ PROPOSED RETAINING WALL
- ⊙ PROPOSED CONCRETE
- ⊙ PROPOSED GRAVEL
- ⊙ PROPOSED RIP RAP



**RESIDENTIAL SITE PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 9 OF 46





PROPOSED  
MAP 43 BLOCK 69-2  
1,894,088 S.F.±  
43.355 AC.±

**SOILS LEGEND**

MAP UNIT	SOIL TYPE
CmD	CANTON FINE SANDY LOAM 15 TO 25 PERCENT SLOPES, VERY STONY
CsC	CHATFIELD-HOLLIS COMPLEX 8 TO 15 PERCENT SLOPES, ROCKY
Qr	QUARRIES
CpB	CHATFIELD-HOLLIS-CANTON COMPLEX 3 TO 8 PERCENT SLOPES
LvA	LEICESTER-WALPOLE COMPLEX, STONY 0 TO 3 PERCENT SLOPES
SsB	SCITUATE FINE SANDY LOAM 3 TO 8 PERCENT SLOPES

SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

**SITE SPECIFIC SOIL MAP UNIT KEY**

SYMBOL	MAP UNIT	SLOPE CLASS	DRAINAGE CLASS	HSG
29B	WOODBIDGE FINE SANDY LOAM	0-8%	MODERATELY WELL	C
29C	WOODBIDGE FINE SANDY LOAM	8-15%	MODERATELY WELL	C
29D	WOODBIDGE FINE SANDY LOAM	15-25%	MODERATELY WELL	C
66C	PAXTON FINE SANDY LOAM	8-15%	WELL	C
66D	PAXTON FINE SANDY LOAM	15-25%	WELL	C
66E	PAXTON FINE SANDY LOAM	25%+	WELL	C
86B	HOLLIS FINE SANDY LOAM	0-8%	WELL	D
86C	HOLLIS FINE SANDY LOAM	8-15%	WELL	D
86D	HOLLIS FINE SANDY LOAM	15-25%	WELL	D
86E	HOLLIS FINE SANDY LOAM	25%+	WELL	D
89B	CHATFIELD FINE SANDY LOAM	0-8%	WELL	B
89C	CHATFIELD FINE SANDY LOAM	8-15%	WELL	B
89D	CHATFIELD FINE SANDY LOAM	15-25%	WELL	B
189B	CHATFIELD FINE SANDY LOAM, MWD	0-8%	MODERATELY WELL	B
189C	CHATFIELD FINE SANDY LOAM, MWD	8-15%	MODERATELY WELL	B
500B/cbccc	UDORTHENTS, LOAMY	0-8%	WELL	B
500C/cbccc	UDORTHENTS, LOAMY	8-15%	WELL	B
500E/cbccc	UDORTHENTS, LOAMY	25%+	WELL	B
500B/ccccc	UDORTHENTS, LOAMY	0-8%	WELL	C
500B/cdccc	UDORTHENTS, LOAMY	0-8%	WELL	D
500C/cdccc	UDORTHENTS, LOAMY	8-15%	WELL	D
500E/cdccc	UDORTHENTS, LOAMY	25%+	WELL	D
500B/dccccc	UDORTHENTS, LOAMY	0-8%	MODERATELY WELL	C
500B/fdccc	UDORTHENTS, LOAMY	0-8%	POORLY	D
656B	RIDGEBURY FINE SANDY LOAM	0-8%	POORLY	C
926B	RIDGEBURY (SPD)	0-8%	SOMEWHAT POORLY	C

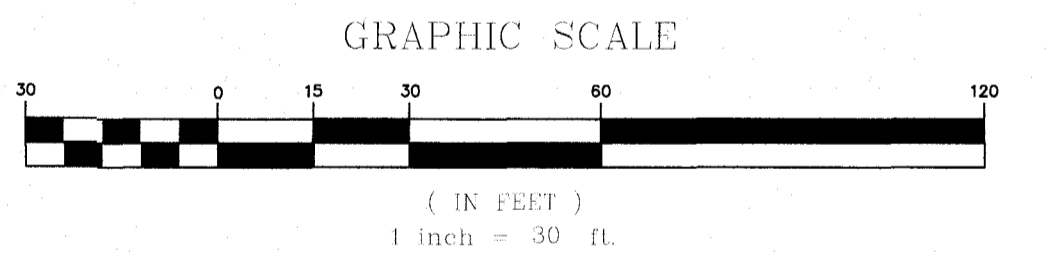
\*REFER TO ACCOMPANYING REPORT FOR 5-UNIT SUPPLEMENTAL SYMBOL EXPLANATION

THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOILS SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, PRODUCED BY A CERTIFIED SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCE CONSERVATION SERVICE. THERE IS A NARRATIVE REPORT THAT ACCOMPANIES THIS MAP AND MAP KEY.

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- UPO UTILITY POLE
- WV WATER VALVE
- SM SEWER MANHOLE
- ABUTTER LINE ABUTTER LINE
- PROPERTY LINE PROPERTY LINE
- WETLAND WETLAND
- POST & RAIL FENCE POST & RAIL FENCE
- BARBED WIRE FENCE BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- WATER LINE WATER LINE
- DRAINAGE LINE DRAINAGE LINE
- 10' CONTOUR 10' CONTOUR
- 2' CONTOUR 2' CONTOUR
- SCS SOIL LINE SCS SOIL LINE
- SSS SOIL LINE SSS SOIL LINE
- TREELINE TREELINE
- RETAINING WALL RETAINING WALL
- EDGE OF PAVEMENT EDGE OF PAVEMENT
- EDGE OF GRAVEL EDGE OF GRAVEL
- STONEWALL STONEWALL
- BUILDING SETBACK BUILDING SETBACK
- EASEMENT EASEMENT
- PROPOSED SIGN PROPOSED SIGN
- PROPOSED LIGHT PROPOSED LIGHT
- PROPOSED WATER VALVE PROPOSED WATER VALVE
- PROPOSED HYDRANT PROPOSED HYDRANT
- PROPOSED SEWER MANHOLE PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN PROPOSED CATCH BASIN
- PROPOSED POST & RAIL FENCE PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL PROPOSED GUARDRAIL
- PROPOSED UNDERGROUND UTILITIES PROPOSED UNDERGROUND UTILITIES
- PROPOSED WATER LINE PROPOSED WATER LINE
- PROPOSED SEWER LINE PROPOSED SEWER LINE
- PROPOSED FORCE MAIN PROPOSED FORCE MAIN
- PROPOSED PRESSURE SEWER PROPOSED PRESSURE SEWER
- PROPOSED DRAINAGE LINE PROPOSED DRAINAGE LINE
- PROPOSED 2' CONTOUR PROPOSED 2' CONTOUR
- PROPOSED TREELINE PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL PROPOSED RETAINING WALL

SEE SHEET 10 FOR NOTES

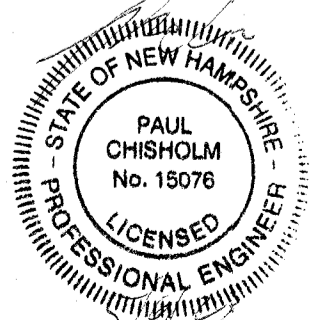


**GRADING & DRAINAGE PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

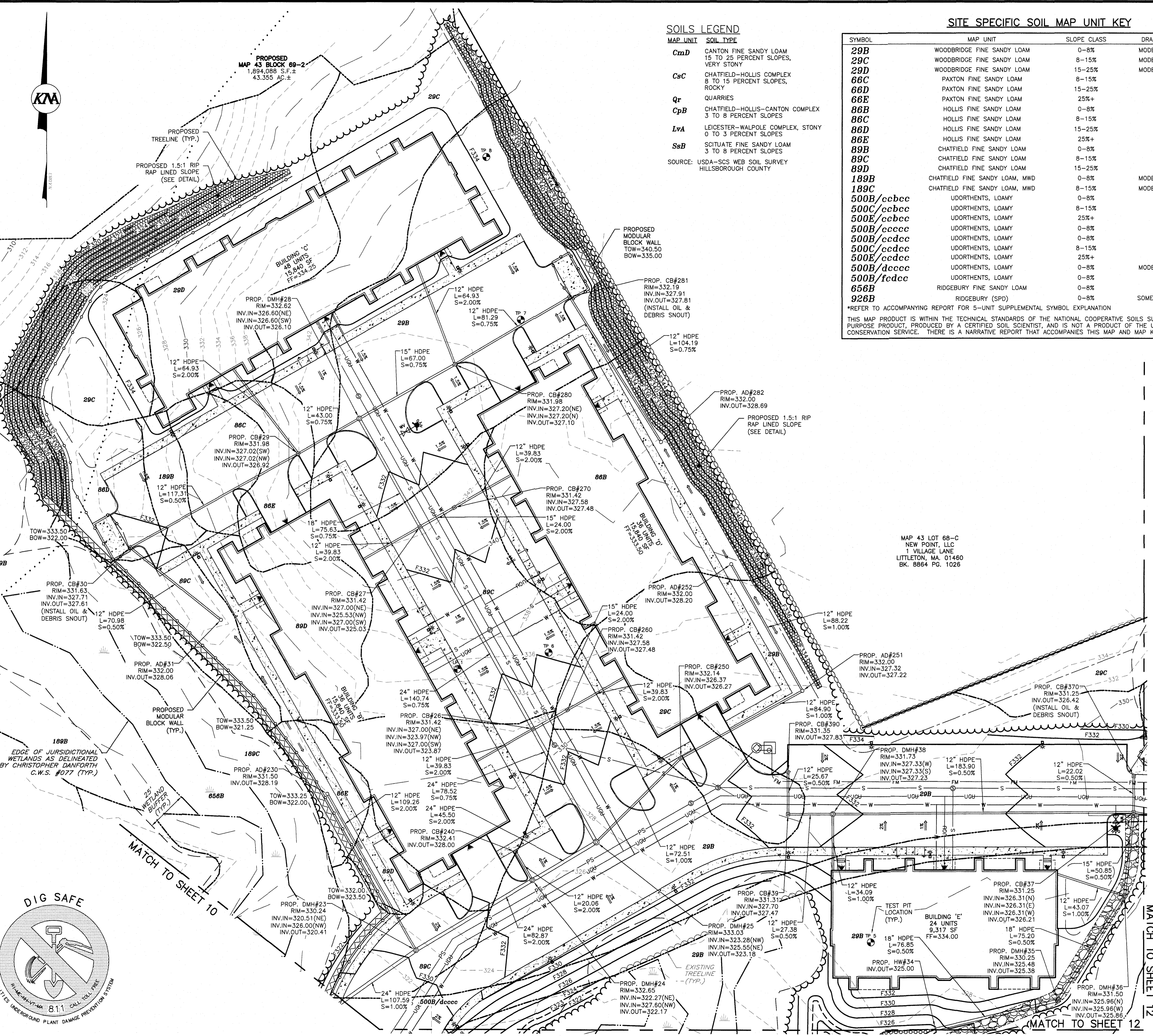
**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 11 OF 46



MATCH TO SHEET 10

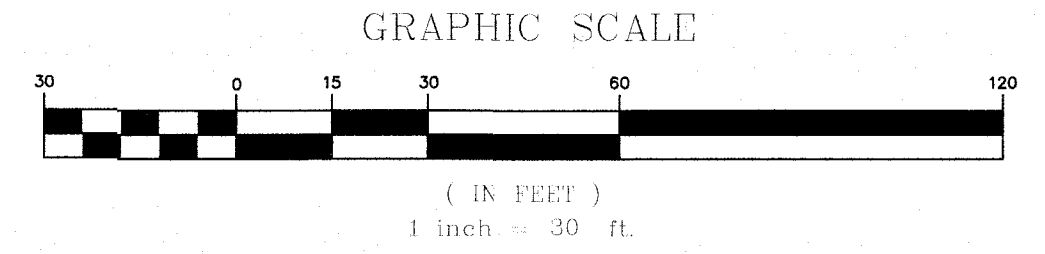
MATCH TO SHEET 12

MATCH TO SHEET 12

SEE SHEET 10 FOR NOTES

SEE SHEET 11 FOR SITE SPECIFIC SOILS LEGENDS

- LEGEND**
- GB-F GRANITE BOUND FOUND
  - IPIN-F IRON PIN FOUND
  - DH-F DRILL HOLE FOUND
  - UTY POLE UTILITY POLE
  - W VALVE WATER VALVE
  - S MANHOLE SEWER MANHOLE
  - ABUTTER LINE
  - PROPERTY LINE
  - WETLAND
  - POST & RAIL FENCE
  - BARBED WIRE FENCE
  - OHU OVERHEAD UTILITIES
  - W WATER LINE
  - DRAINAGE LINE
  - 10' CONTOUR
  - 2' CONTOUR
  - SCS SOIL LINE
  - SSS SOIL LINE
  - TREELINE
  - RETAINING WALL
  - EDGE OF PAVEMENT
  - EDGE OF GRAVEL
  - STONEWALL
  - BUILDING SETBACK
  - EASEMENT
  - PROPOSED SIGN
  - PROPOSED LIGHT
  - PROPOSED WATER VALVE
  - PROPOSED HYDRANT
  - PROPOSED SEWER MANHOLE
  - PROPOSED DRAINAGE MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED POST & RAIL FENCE
  - PROPOSED GUARDRAIL
  - PROPOSED UNDERGROUND UTILITIES
  - W PROPOSED WATER LINE
  - S PROPOSED SEWER LINE
  - FM PROPOSED FORCE MAIN
  - PS PROPOSED PRESSURE SEWER
  - PROPOSED DRAINAGE LINE
  - PROPOSED 2' CONTOUR
  - PROPOSED TREELINE
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED VERTICAL GRANITE CURB
  - PROPOSED RETAINING WALL



**GRADING & DRAINAGE PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
 SALT CREEK PROPERTIES, LLC  
 PO BOX 967  
 AMHERST, NH 03031  
 H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
 TM BOLDUC HOLDINGS, LLC  
 131 BURKE STREET, SUITE A  
 NASHUA, NH 03060

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

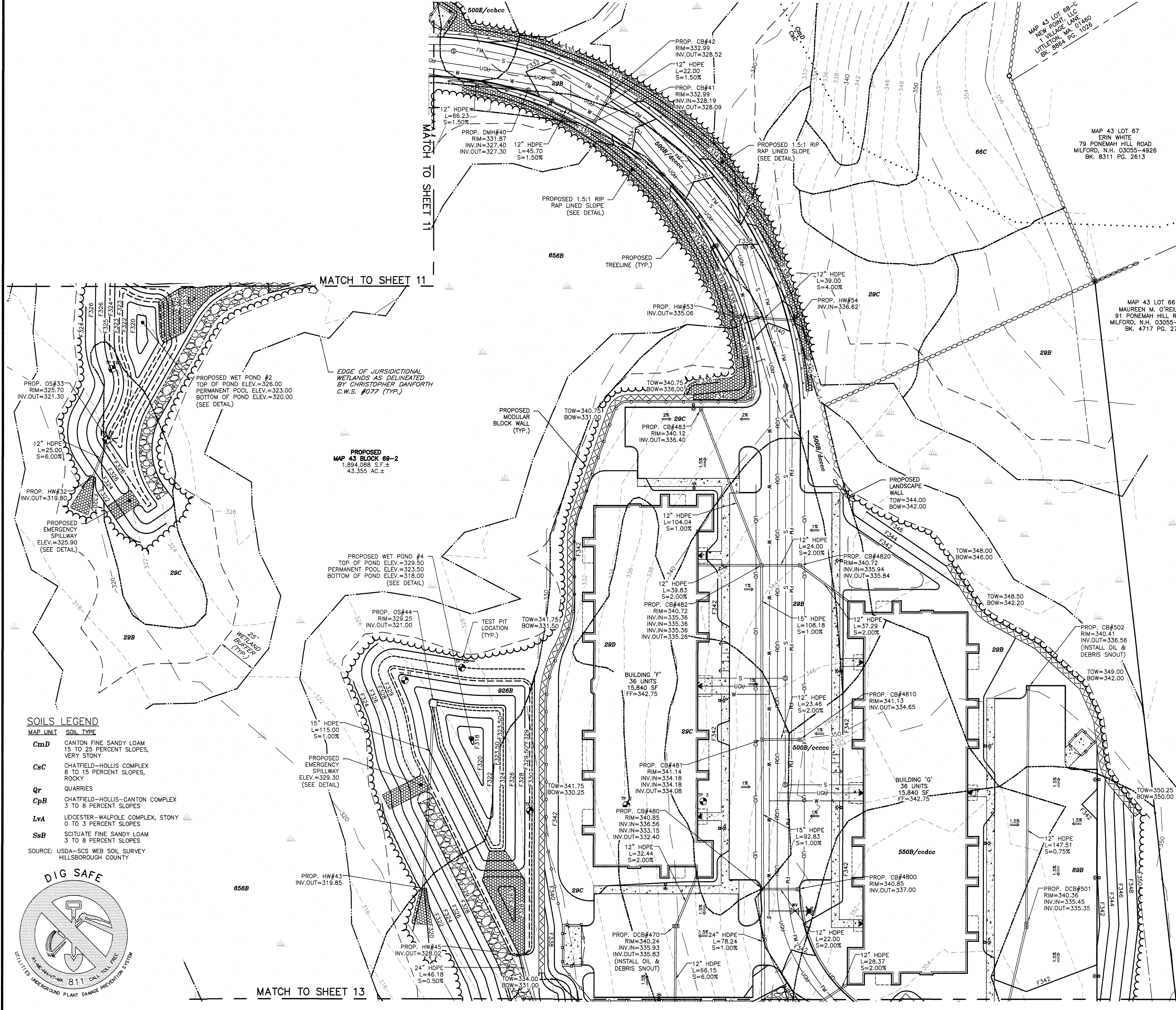
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
 PROJECT NO: 21-1216-1 SHEET 12 OF 46

**SOILS LEGEND**

MAP UNIT	SOIL TYPE
CmD	CANTON FINE SANDY LOAM 15 TO 25 PERCENT SLOPES, VERY STONY
CsC	CHATFIELD-HOLLIS COMPLEX 8 TO 15 PERCENT SLOPES, ROCKY
Qr	QUARRIES
CpB	CHATFIELD-HOLLIS-CANTON COMPLEX 3 TO 8 PERCENT SLOPES
LvA	LEICESTER-WALPOLE COMPLEX, STONY 0 TO 3 PERCENT SLOPES
SsB	SCITUATE FINE SANDY LOAM 3 TO 8 PERCENT SLOPES

SOURCE: USDA-SCS WEB SOIL SURVEY  
 HILLSBOROUGH COUNTY

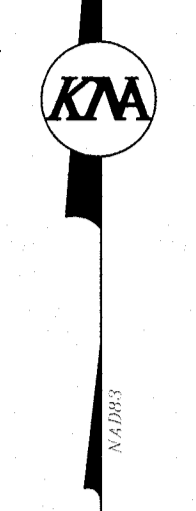


MATCH TO SHEET 13

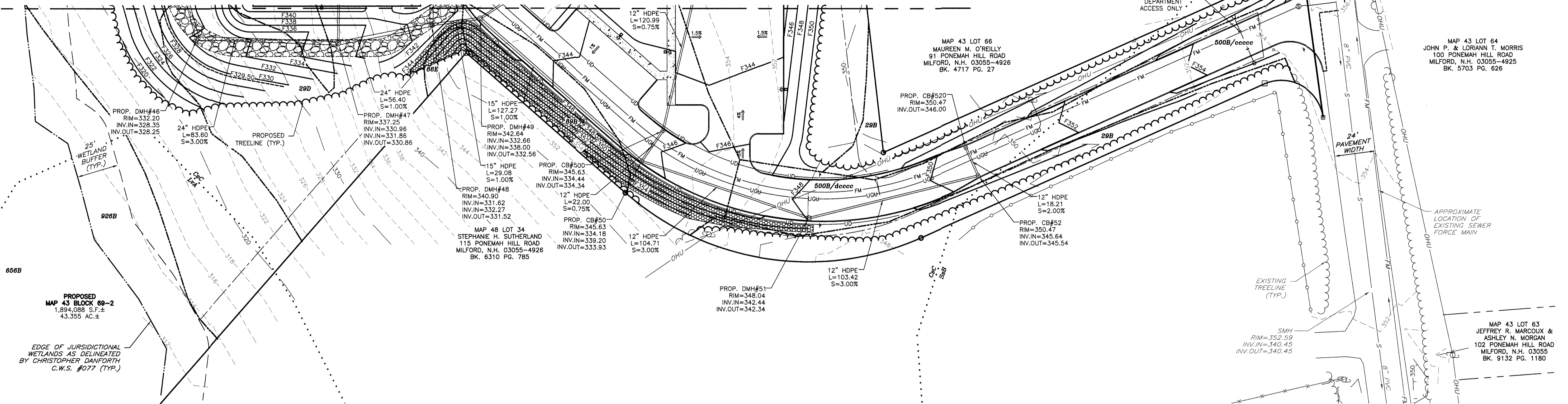
MATCH TO SHEET 11

MATCH TO SHEET 11





MATCH TO SHEET 12



SEE SHEET 10 FOR NOTES

SEE SHEET 12 FOR SITE SPECIFIC SOILS LEGEND

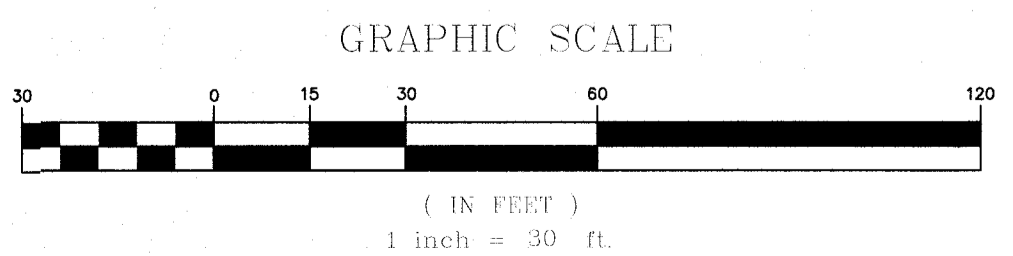
**SOILS LEGEND**

MAP UNIT	SOIL TYPE
CmD	CANTON FINE SANDY LOAM 15 TO 25 PERCENT SLOPES, VERY STONY
CsC	CHATFIELD-HOLLIS COMPLEX 8 TO 15 PERCENT SLOPES, ROCKY
Qr	QUARRIES
CpB	CHATFIELD-HOLLIS-CANTON COMPLEX 3 TO 8 PERCENT SLOPES
LvA	LEICESTER-WALPOLE COMPLEX, STONY 0 TO 3 PERCENT SLOPES
SsB	SCITUATE FINE SANDY LOAM 3 TO 8 PERCENT SLOPES

SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

**LEGEND**

□ GB-F	GRANITE BOUND FOUND	⊕	PROPOSED SIGN
⊙ IPIN-F	IRON PIN FOUND	⊗	PROPOSED LIGHT
⊙ DH-F	DRILL HOLE FOUND	⊗	PROPOSED WATER VALVE
⊙ UTY	UTILITY POLE	⊗	PROPOSED HYDRANT
⊙ W	WATER VALVE	⊗	PROPOSED SEWER MANHOLE
⊙ S	SEWER MANHOLE	⊗	PROPOSED DRAINAGE MANHOLE
---	ABUTTER LINE	⊗	PROPOSED CATCH BASIN
---	PROPERTY LINE	⊗	PROPOSED POST & RAIL FENCE
---	WETLAND	⊗	PROPOSED GUARDRAIL
---	POST & RAIL FENCE	⊗	PROPOSED UNDERGROUND UTILITIES
---	BARBED WIRE FENCE	⊗	PROPOSED WATER LINE
---	OVERHEAD UTILITIES	⊗	PROPOSED SEWER LINE
---	DRAINAGE LINE	⊗	PROPOSED FORCE MAIN
---	10' CONTOUR	⊗	PROPOSED PRESSURE SEWER
---	2' CONTOUR	⊗	PROPOSED DRAINAGE LINE
---	SCS SOIL LINE	⊗	PROPOSED 2' CONTOUR
---	SSS SOIL LINE	⊗	PROPOSED TREELINE
---	TREELINE	⊗	PROPOSED EDGE OF PAVEMENT
---	RETAINING WALL	⊗	PROPOSED VERTICAL GRANITE CURB
---	EDGE OF PAVEMENT	⊗	PROPOSED RETAINING WALL
---	EDGE OF GRAVEL	⊗	
---	STONEWALL	⊗	
---	BUILDING SETBACK	⊗	
---	EASEMENT	⊗	



**GRADING & DRAINAGE PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 13 OF 46

**LOAM & SEED ALL  
DISTURBED AREAS (TYP.)**

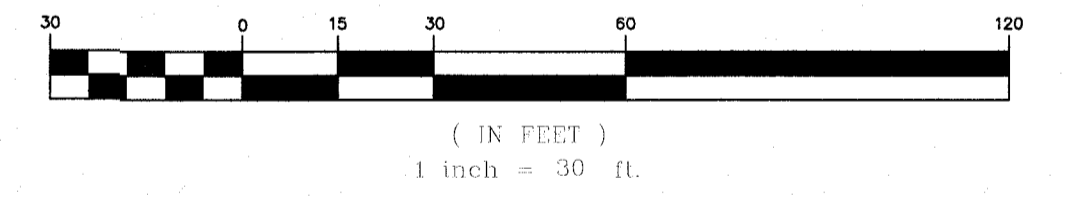
**CONSTRUCTION NOTES:**

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED UTILITY SYSTEMS FOR THIS SITE.
2. ALL WORK SHALL CONFORM TO THE TOWN OF MILFORD, LATEST EDITION, CONSTRUCTION STANDARDS AND DETAILS. IN THE ABSENCE OF A CITY STANDARD/SPECIFICATION, WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PUBLISHED BY THE STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION, ARE HEREBY INCORPORATED BY REFERENCE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 811 AT LEAST 72 HOURS BEFORE DIGGING.
4. ALL DISTURBED AREAS NOT TO BE PAVED SHALL BE LOAMED AND SEED.
5. ALL PIPES SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. CONTRACTOR TO VERIFY SIZE OF WATER AND GAS SERVICE LINES WITH MECHANICAL CONTRACTOR/FIRE SUPPRESSION ENGINEER PRIOR TO THE START OF CONSTRUCTION.
7. PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO ORDERING ANY WATER SYSTEM/SERVICE PARTS, THE PROPOSED SIZE OF THE VARIOUS WATER SERVICES SHALL BE CONFIRMED BY THE PROJECT FIRE SUPPRESSION ENGINEER. ANY ADJUSTMENTS TO THE DESIGN MUST BE APPROVED BY THE TOWN OF MILFORD.
8. THE PROPOSED BUILDINGS SHALL BE FULLY SPRINKLER PROTECTED.
9. FINAL LAYOUT OF UNDERGROUND UTILITIES TO BE APPROVED BY LOCAL PROVIDER PRIOR TO CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR SIZING WATER SERVICES AND/OR VERIFYING EXISTING WATER SERVICES ARE ADEQUATE FOR THE PROPOSED BUILDING.
11. PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ELECTRICIAN FOR THE EXACT LOCATION, LAYOUT, CONDUIT SIZE AND CIRCUITS ASSOCIATED WITH THE SITE LIGHTING, EMERGENCY GATE AND COMPACTOR.

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- U-F UTILITY POLE
- WV WATER VALVE
- SM SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- W-LINE WATER LINE
- DRAINAGE LINE
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEMALL
- BUILDING SETBACK
- EASEMENT
- PROPOSED SIGN
- PROPOSED LIGHT
- PROPOSED WATER VALVE
- PROPOSED HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL
- PROPOSED UNDERGROUND UTILITIES
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED FORCE MAIN
- PROPOSED PRESSURE SEWER
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL

**GRAPHIC SCALE**

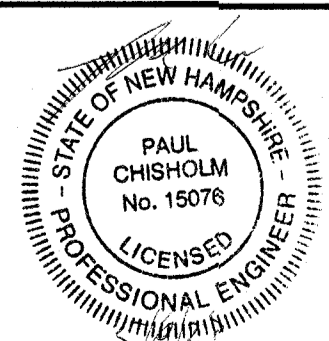


**UTILITY PLAN  
THE Q AT MILFORD  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY**

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2861



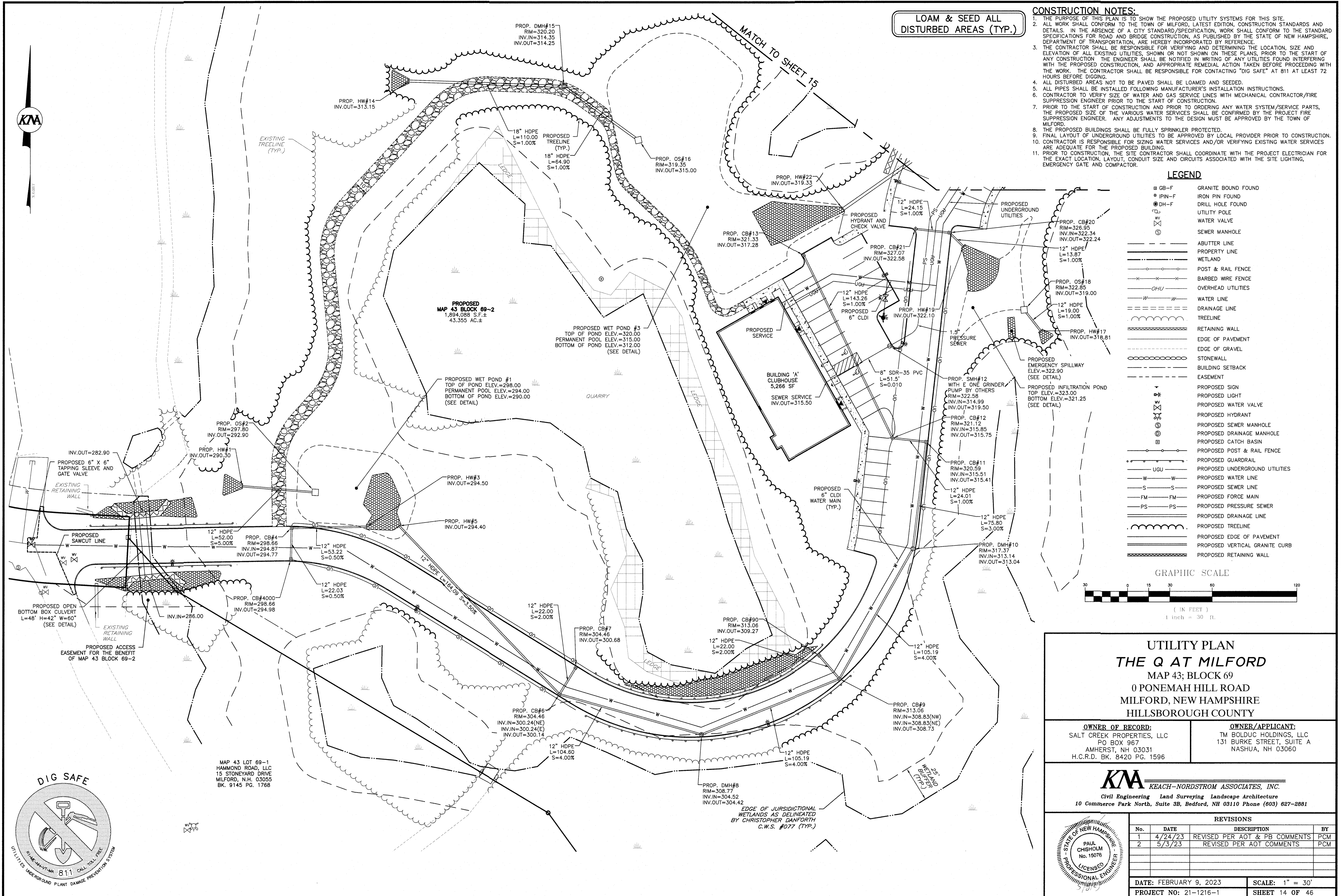
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 14 OF 46



MAP 43 LOT 69-1  
HAMMOND ROAD, LLC  
15 STONEYARD DRIVE  
MILFORD, N.H. 03055  
BK. 9145 PG. 1768

EDGE OF JURISDICTIONAL  
WETLANDS AS DELINEATED  
BY CHRISTOPHER DANFORTH  
C.W.S. #077 (TYP.)



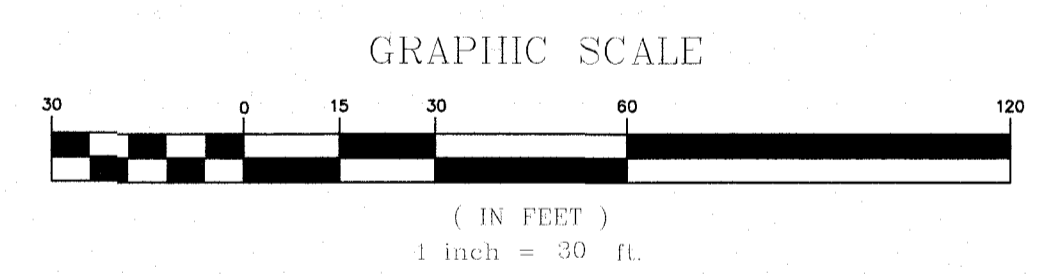


PROPOSED  
MAP 43 BLOCK 69-2  
1,894,088 S.F.±  
43,355 AC.±

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- ⊙ DH-F DRILL HOLE FOUND
- ⊕ UTILITY POLE
- ⊗ WATER VALVE
- ⊙ SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- WATER LINE
- DRAINAGE LINE
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- ⊕ PROPOSED SIGN
- ⊕ PROPOSED LIGHT
- ⊕ PROPOSED WATER VALVE
- ⊕ PROPOSED HYDRANT
- ⊕ PROPOSED SEWER MANHOLE
- ⊕ PROPOSED DRAINAGE MANHOLE
- ⊕ PROPOSED CATCH BASIN
- ⊕ PROPOSED POST & RAIL FENCE
- ⊕ PROPOSED GUARDRAIL
- UGU PROPOSED UNDERGROUND UTILITIES
- W PROPOSED WATER LINE
- S PROPOSED SEWER LINE
- FM PROPOSED FORCE MAIN
- PS PROPOSED PRESSURE SEWER
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL

SEE SHEET 14 FOR NOTES



**UTILITY PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

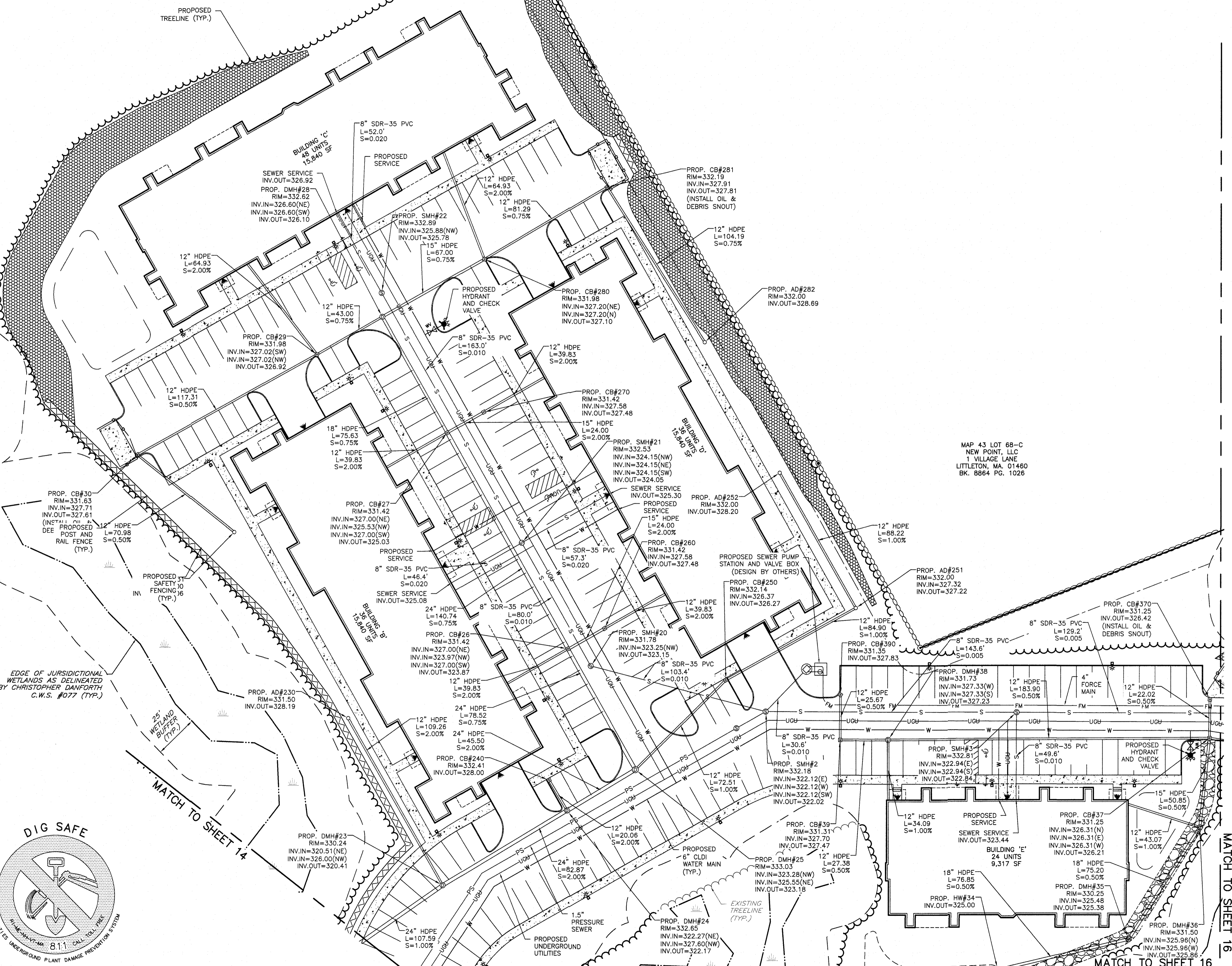
**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 15 OF 46



EDGE OF JURISDICTIONAL WETLANDS AS DELINEATED BY CHRISTOPHER DANFORTH C.W.S. #077 (TYP.)

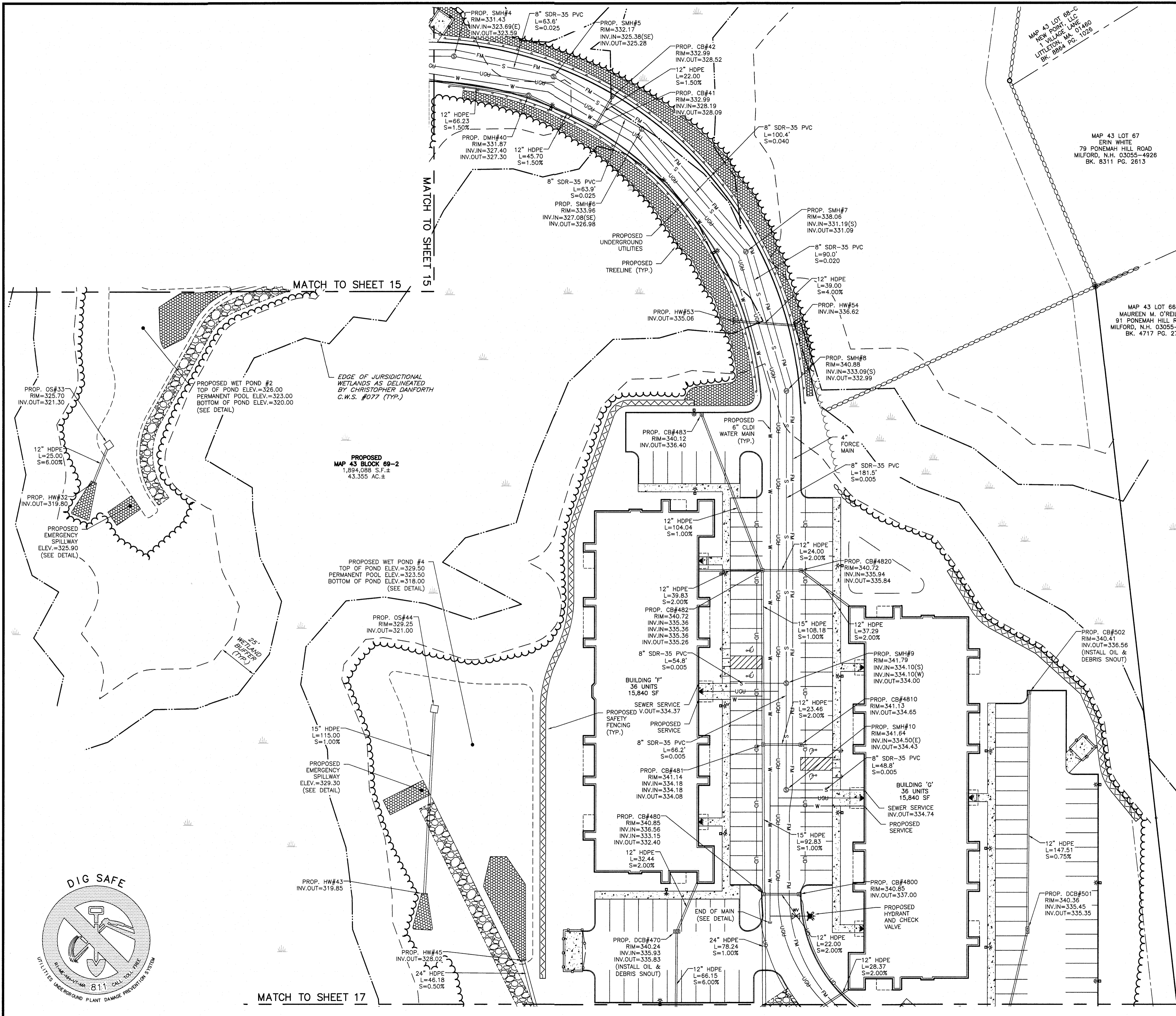
MATCH TO SHEET 14

MATCH TO SHEET 16

MATCH TO SHEET 16





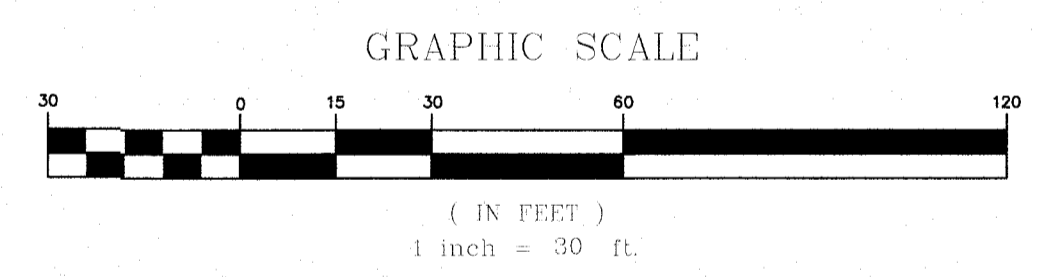


- LEGEND**
- GB-F GRANITE BOUND FOUND
  - IPIN-F IRON PIN FOUND
  - DH-F DRILL HOLE FOUND
  - ⊕ UTY UTILITY POLE
  - ⊕ W VAL WATER VALVE
  - ⊕ S SEWER MANHOLE
  - ABUTTER LINE
  - PROPERTY LINE
  - WETLAND
  - POST & RAIL FENCE
  - BARBED WIRE FENCE
  - OHU OVERHEAD UTILITIES
  - W-W WATER LINE
  - DRAINAGE LINE
  - TREELINE
  - RETAINING WALL
  - EDGE OF PAVEMENT
  - EDGE OF GRAVEL
  - STONEMALL
  - BUILDING SETBACK
  - EASEMENT
  - PROPOSED SIGN
  - PROPOSED LIGHT
  - PROPOSED WATER VALVE
  - PROPOSED HYDRANT
  - PROPOSED SEWER MANHOLE
  - PROPOSED DRAINAGE MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED POST & RAIL FENCE
  - PROPOSED GUARDRAIL
  - UGU PROPOSED UNDERGROUND UTILITIES
  - W-W PROPOSED WATER LINE
  - S-S PROPOSED SEWER LINE
  - FM-FM PROPOSED FORCE MAIN
  - PS-PS PROPOSED PRESSURE SEWER
  - PROPOSED DRAINAGE LINE
  - PROPOSED TREELINE
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED VERTICAL GRANITE CURB
  - PROPOSED RETAINING WALL

MAP 43 LOT 67  
ERIN WHITE  
79 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4926  
BK. 8311 PG. 2613

MAP 43 LOT 66  
MAUREEN M. O'REILLY  
91 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4926  
BK. 4717 PG. 27

SEE SHEET 14 FOR NOTES



**UTILITY PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

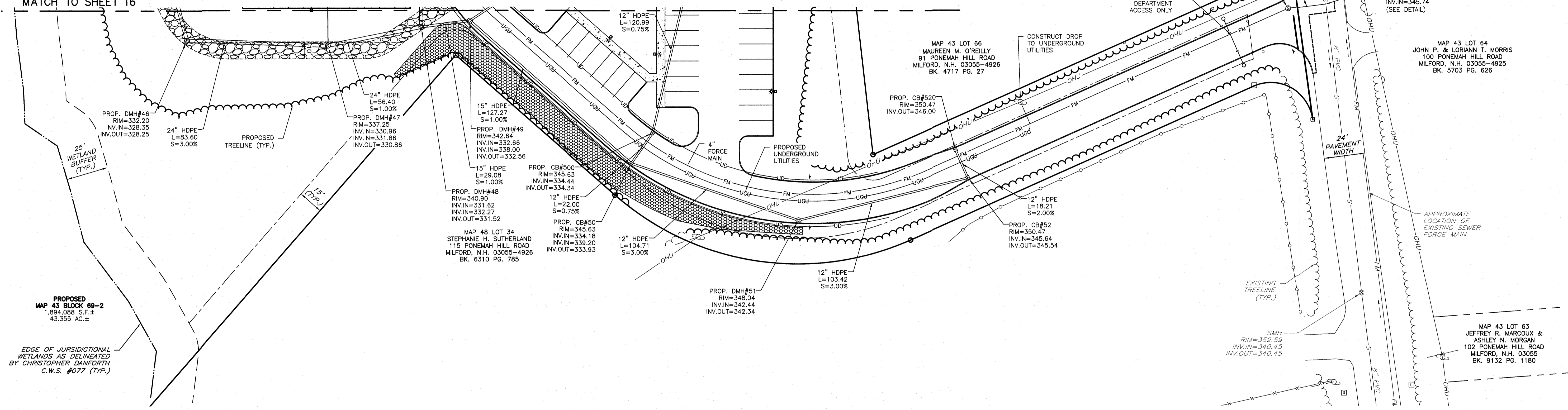
DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 16 OF 46



MATCH TO SHEET 17



MATCH TO SHEET 16

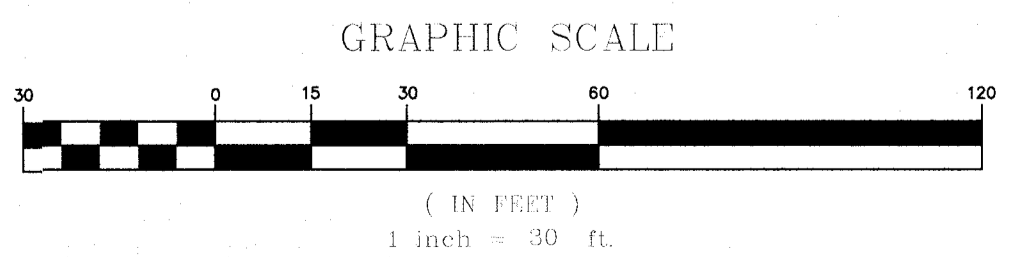


PROPOSED  
MAP 43 BLOCK 69-2  
1,894,088 S.F.±  
43.355 AC.±  
  
EDGE OF JURISDICTIONAL  
WETLANDS AS DELINEATED  
BY CHRISTOPHER DANFORTH  
C.W.S. #077 (TYP.)

**LEGEND**

- |          |                     |   |                                |
|----------|---------------------|---|--------------------------------|
| □ GB-F   | GRANITE BOUND FOUND | ⚡ | PROPOSED SIGN                  |
| ⊙ IPIN-F | IRON PIN FOUND      | ⊙ | PROPOSED LIGHT                 |
| ⊙ DH-F   | DRILL HOLE FOUND    | ⊙ | PROPOSED WATER VALVE           |
| ⊙        | UTILITY POLE        | ⊙ | PROPOSED HYDRANT               |
| ⊙        | WATER VALVE         | ⊙ | PROPOSED SEWER MANHOLE         |
| ⊙        | SEWER MANHOLE       | ⊙ | PROPOSED DRAINAGE MANHOLE      |
| ---      | ABUTTER LINE        | ⊙ | PROPOSED CATCH BASIN           |
| ---      | PROPERTY LINE       | ⊙ | PROPOSED POST & RAIL FENCE     |
| ---      | WETLAND             | ⊙ | PROPOSED GUARDRAIL             |
| ---      | POST & RAIL FENCE   | ⊙ | PROPOSED UNDERGROUND UTILITIES |
| ---      | BARBED WIRE FENCE   | ⊙ | PROPOSED WATER LINE            |
| ---      | OVERHEAD UTILITIES  | ⊙ | PROPOSED SEWER LINE            |
| ---      | WATER LINE          | ⊙ | PROPOSED FORCE MAIN            |
| ---      | DRAINAGE LINE       | ⊙ | PROPOSED PRESSURE SEWER        |
| ---      | TREELINE            | ⊙ | PROPOSED DRAINAGE LINE         |
| ---      | RETAINING WALL      | ⊙ | PROPOSED TREELINE              |
| ---      | EDGE OF PAVEMENT    | ⊙ | PROPOSED EDGE OF PAVEMENT      |
| ---      | EDGE OF GRAVEL      | ⊙ | PROPOSED VERTICAL GRANITE CURB |
| ---      | STONEWALL           | ⊙ | PROPOSED RETAINING WALL        |
| ---      | BUILDING SETBACK    | ⊙ |                                |
| ---      | EASEMENT            | ⊙ |                                |

SEE SHEET 14 FOR NOTES



**UTILITY PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 827-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

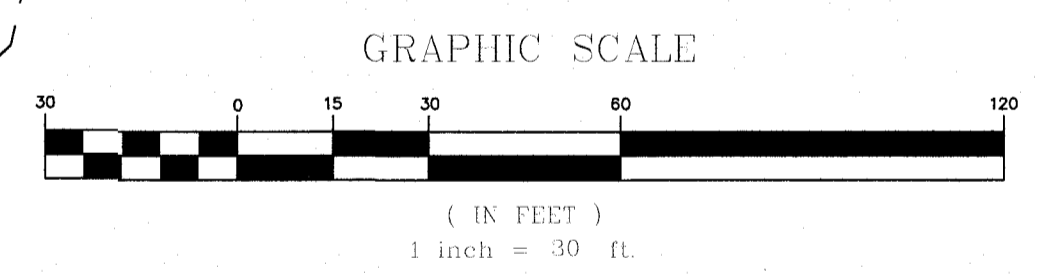
DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
PROJECT NO: 21-1216-1      SHEET 17 OF 46

LOAM & SEED ALL  
DISTURBED AREAS (TYP.)

- EROSION CONTROL NOTES:**
1. THE PURPOSE OF THIS PLAN IS TO DEPICT THE REQUIRED ONSITE TEMPORARY CONSTRUCTION EROSION CONTROL MEASURES AS WELL AS THE PERMANENT EROSION CONTROL MEASURES.
  2. ALL MEASURES IN THE PLAN SHALL MEET AS A MINIMUM THE BEST MANAGEMENT PRACTICES SET FORTH IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL TITLED "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION," DATED DECEMBER 2010, AS AMENDED FROM TIME TO TIME.
  3. WHENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED OR SUPPLEMENTED. THE STRIPPING OF VEGETATION, WHEN NECESSARY, SHALL BE DONE IN A MANNER THAT MINIMIZES SOIL EROSION.
  4. APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE.
  5. THE AREA OF DISTURBANCE SHALL BE KEPT TO A MINIMUM. DISTURBED AREAS REMAINING IDLE FOR MORE THAN 30 DAYS SHALL BE STABILIZED.
  6. MEASURES SHALL BE TAKEN TO CONTROL EROSION WITHIN THE PROJECT AREA. SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED AND RETAINED WITHIN THE PROJECT AREA USING APPROVED MEASURES. WETLAND AREAS AND SURFACE WATERS SHALL BE PROTECTED FROM SEDIMENT.
  7. OFFSITE SURFACE WATER AND RUNOFF FROM UNDISTURBED AREAS SHALL BE DIVERTED AWAY FROM DISTURBED AREAS WHERE FEASIBLE OR CARRIED NON-EROSIVELY THROUGH THE PROJECT AREA. INTEGRITY OF DOWNSTREAM DRAINAGE SYSTEMS SHALL BE MAINTAINED.
  8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN FUNCTIONING CONDITION UNTIL FINAL SITE STABILIZATION IS ACCOMPLISHED.
  9. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS UNLESS CONDITIONS DICTATE OTHERWISE.
  10. THE TOWN OF MILFORD SHALL RESERVE THE RIGHT TO REQUIRE FURTHER EROSION CONTROL PRACTICES DURING CONSTRUCTION SHOULD THEY FIND IT NECESSARY.

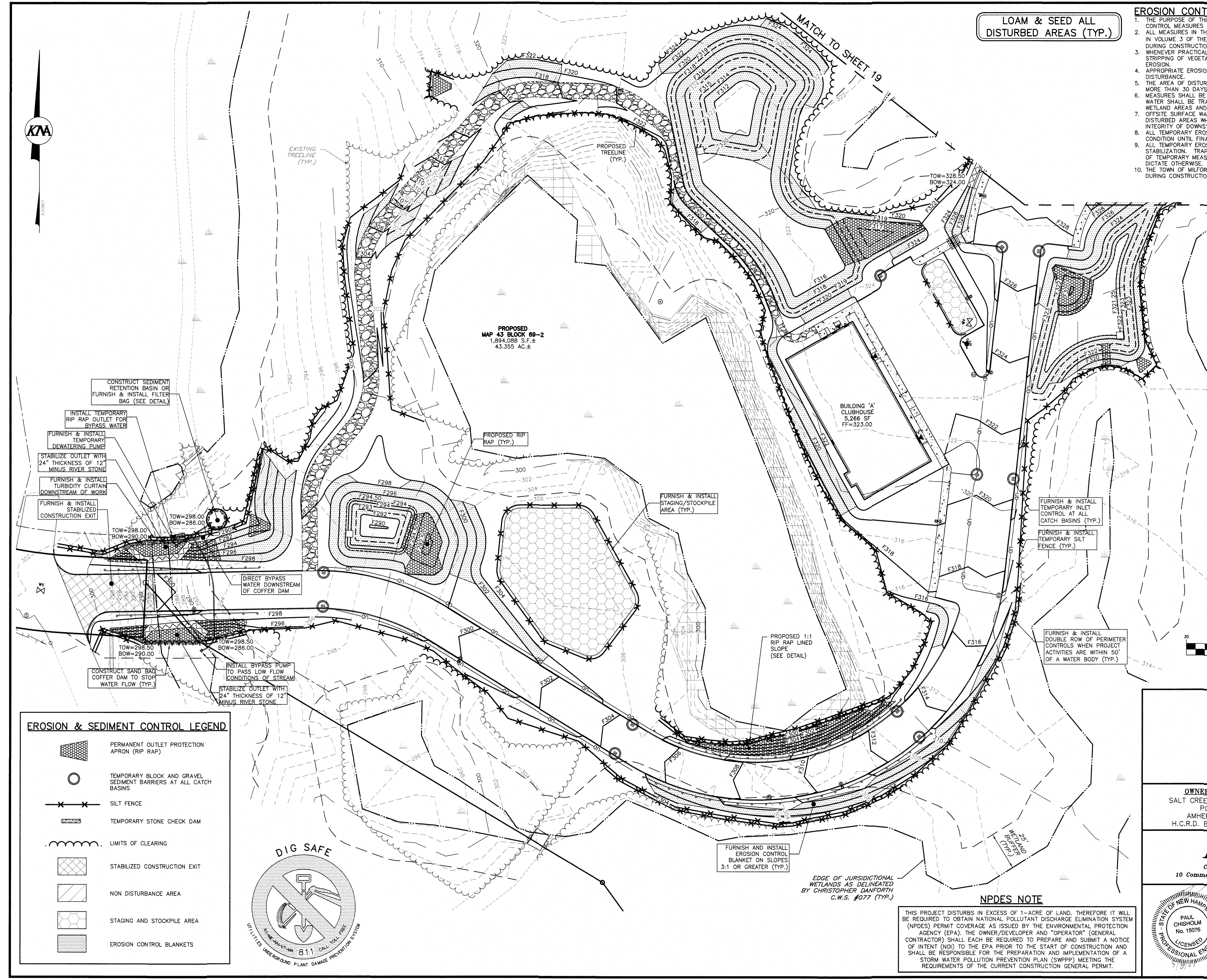
**LEGEND**

- GB-F GRANITE BOUND FOUND
- NHHB-F N.H. HIGHWAY BOUND FOUND
- IPP-F IRON PIPE FOUND
- IR-F IRON ROD FOUND
- DH-F DRILL HOLE FOUND
- DH-S DRILL HOLE SET
- TREE WITH BARBED WIRE
- UTILITY POLE
- WATER VALVE
- SEWER MANHOLE
- DRAINAGE MANHOLE
- CATCH BASIN
- CONIFEROUS TREE
- DECIDUOUS TREE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- WETLAND BUFFER
- POST & RAIL FENCE
- R.O.W. FENCE
- OHU OVERHEAD UTILITIES
- DRAINAGE LINE
- EDGE OF PAVEMENT
- 10' CONTOUR
- 2' CONTOUR
- STONEWALL
- SETBACK
- PROPOSED PROPERTY LINE
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB
- PROPOSED 2' CONTOUR
- PROPOSED RETAINING WALL



**EROSION & SEDIMENT CONTROL LEGEND**

- ▨ PERMANENT OUTLET PROTECTION APRON (RIP RAP)
- TEMPORARY BLOCK AND GRAVEL SEDIMENT BARRIERS AT ALL CATCH BASINS
- SILT FENCE
- TEMPORARY STONE CHECK DAM
- LIMITS OF CLEARING
- ▨ STABILIZED CONSTRUCTION EXIT
- ▨ NON DISTURBANCE AREA
- ▨ STAGING AND STOCKPILE AREA
- ▨ EROSION CONTROL BLANKETS



EDGE OF JURISDICTIONAL WETLANDS AS DELINEATED BY CHRISTOPHER DANFORTH C.W.S. #077 (TYP.)

**NPDES NOTE**

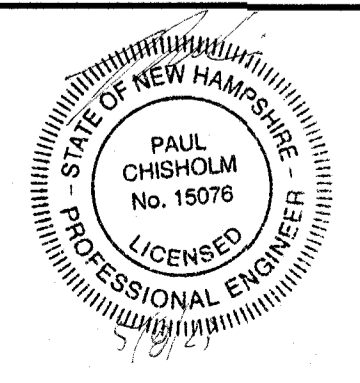
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A "STORM WATER POLLUTION PREVENTION PLAN (SWPPP)" MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.

**EROSION CONTROL PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

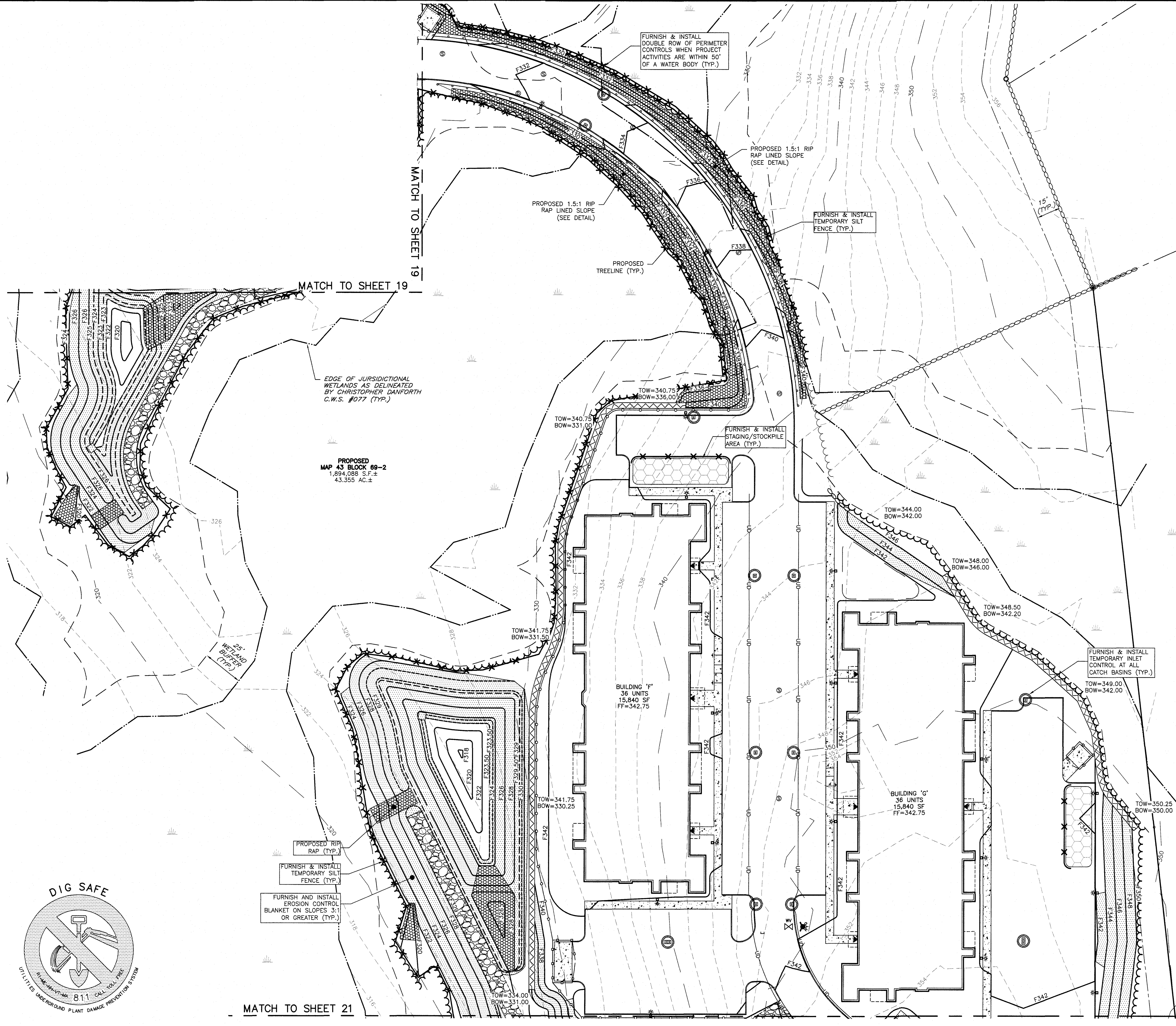
**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 18 OF 46





**LEGEND**

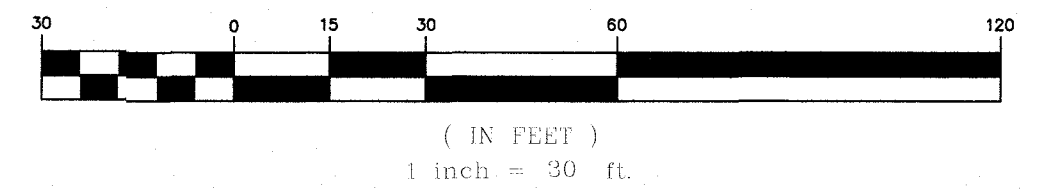
- GB-F GRANITE BOUND FOUND
- NHHB-F N.H. HIGHWAY BOUND FOUND
- IPP-F IRON PIPE FOUND
- IR-F IRON ROD FOUND
- DH-F DRILL HOLE FOUND
- DH-S DRILL HOLE SET
- ⊗ TREE WITH BARBED WIRE
- UTILITY POLE
- WATER VALVE
- SEWER MANHOLE
- DRAINAGE MANHOLE
- CATCH BASIN
- CONIFEROUS TREE
- DECIDUOUS TREE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- WETLAND BUFFER
- POST & RAIL FENCE
- R.O.W. FENCE
- OHU OVERHEAD UTILITIES
- DRAINAGE LINE
- EDGE OF PAVEMENT
- 10' CONTOUR
- 2' CONTOUR
- STONEWALL
- SETBACK
- PROPOSED PROPERTY LINE
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB
- PROPOSED 2' CONTOUR
- PROPOSED RETAINING WALL

SEE SHEET 18 FOR NOTES & EROSION CONTROL LEGEND

**NPDES NOTE**

THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA), THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.

**GRAPHIC SCALE**



**EROSION CONTROL PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
 SALT CREEK PROPERTIES, LLC  
 PO BOX 967  
 AMHERST, NH 03031  
 H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
 TM BOLDUC HOLDINGS, LLC  
 131 BURKE STREET, SUITE A  
 NASHUA, NH 03060

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 827-2881

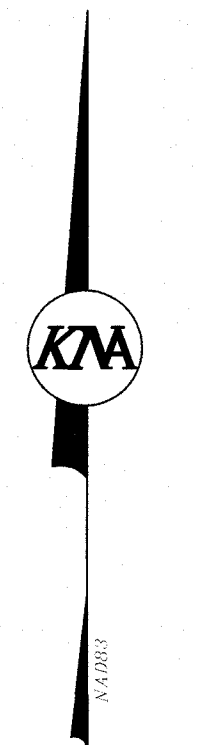


REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

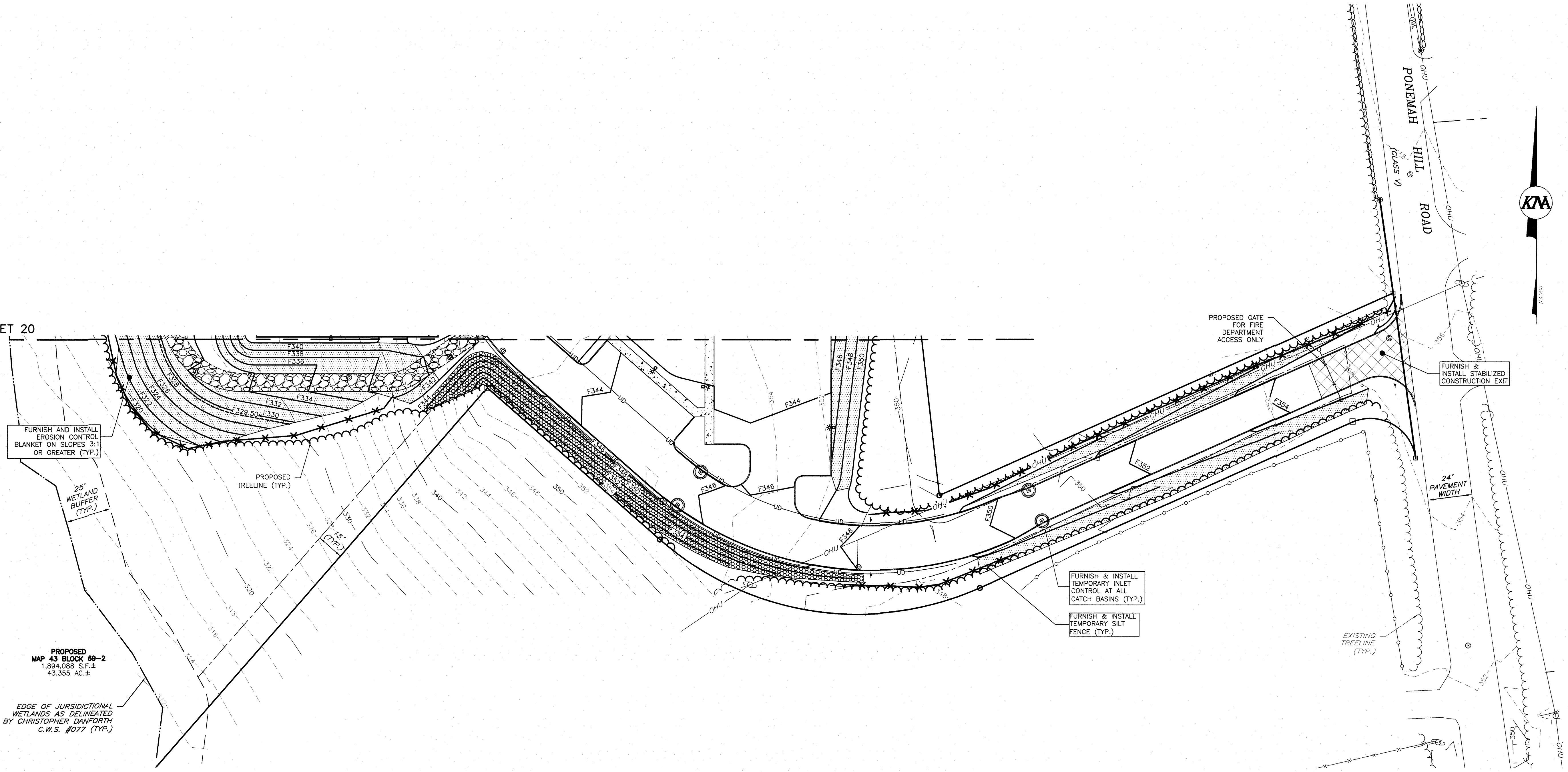
DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
 PROJECT NO: 21-1216-1 SHEET 20 OF 46



MATCH TO SHEET 21



MATCH TO SHEET 20



FURNISH AND INSTALL EROSION CONTROL BLANKET ON SLOPES 3:1 OR GREATER (TYP.)

25' WETLAND BUFFER (TYP.)

PROPOSED MAP 43 BLOCK 69-2  
1,894,088 S.F. ±  
43.355 AC. ±

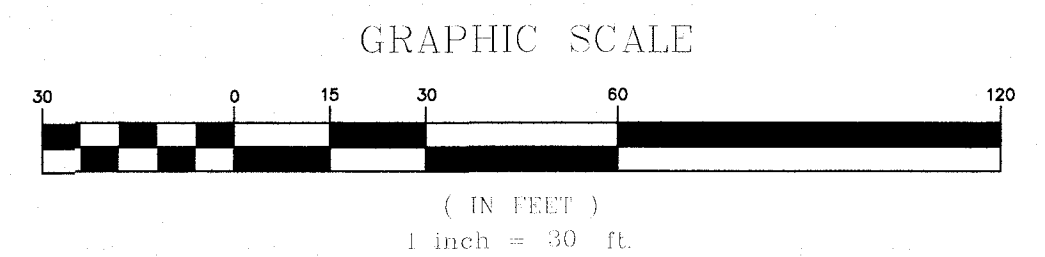
EDGE OF JURISDICTIONAL WETLANDS AS DELINEATED BY CHRISTOPHER DANFORTH C.W.S. #077 (TYP.)

FURNISH & INSTALL TEMPORARY INLET CONTROL AT ALL CATCH BASINS (TYP.)  
FURNISH & INSTALL TEMPORARY SILT FENCE (TYP.)

**LEGEND**

- |          |                          |           |                              |
|----------|--------------------------|-----------|------------------------------|
| □ GB-F   | GRANITE BOUND FOUND      | ---       | WETLAND BUFFER               |
| □ NHHB-F | N.H. HIGHWAY BOUND FOUND | —○—○—○—   | POST & RAIL FENCE            |
| ● IPP-F  | IRON PIPE FOUND          | —x—x—x—x— | R.O.W. FENCE                 |
| ○ IR-F   | IRON ROD FOUND           | —OHU—     | OVERHEAD UTILITIES           |
| ● DH-F   | DRILL HOLE FOUND         | ==        | DRAINAGE LINE                |
| ● DH-S   | DRILL HOLE SET           | ---       | EDGE OF PAVEMENT             |
| ⊗        | TREE WITH BARBED WIRE    | ---       | 10' CONTOUR                  |
| ⊕        | UTILITY POLE             | ---       | 2' CONTOUR                   |
| ⊖        | WATER VALVE              | —○—○—○—   | STONEWALL                    |
| ⊙        | SEWER MANHOLE            | ---       | SETBACK                      |
| ⊚        | DRAINAGE MANHOLE         | ---       | PROPOSED PROPERTY LINE       |
| ⊛        | CATCH BASIN              | ---       | PROPOSED DRAINAGE LINE       |
| ⊜        | CONIFEROUS TREE          | ---       | PROPOSED TREE LINE           |
| ⊝        | DECIDUOUS TREE           | ---       | PROPOSED EDGE OF PAVEMENT    |
| ---      | ABUTTER LINE             | ---       | PROPOSED SLOPED GRANITE CURB |
| ---      | PROPERTY LINE            | ---       | PROPOSED 2' CONTOUR          |
| ---      | WETLAND                  | ---       | PROPOSED RETAINING WALL      |

SEE SHEET 18 FOR NOTES & EROSION CONTROL LEGEND



**NPDES NOTE**  
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.

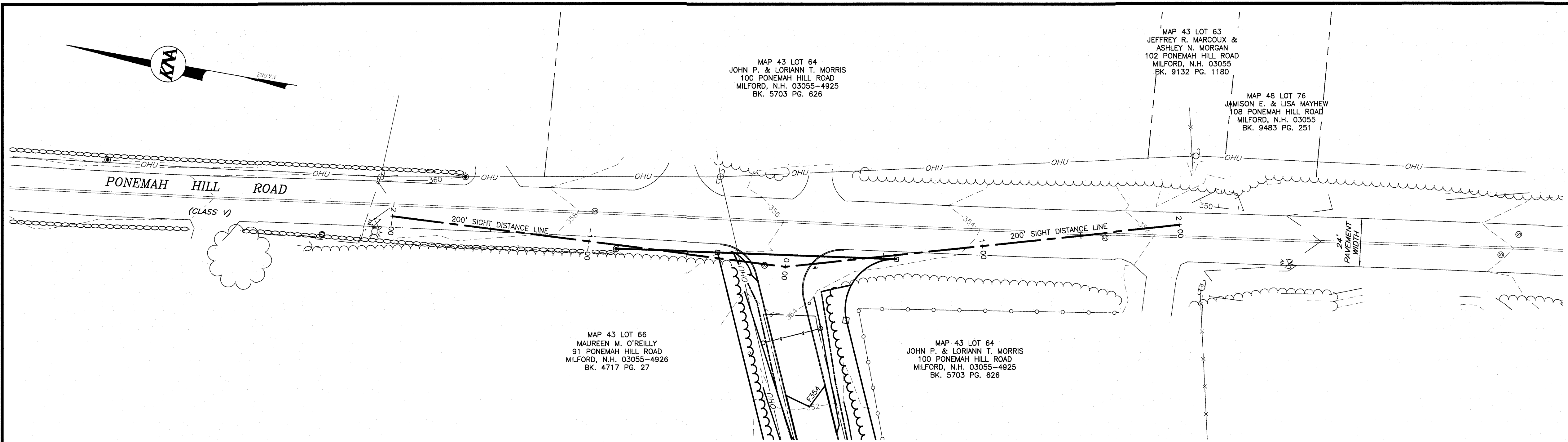
**EROSION CONTROL PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

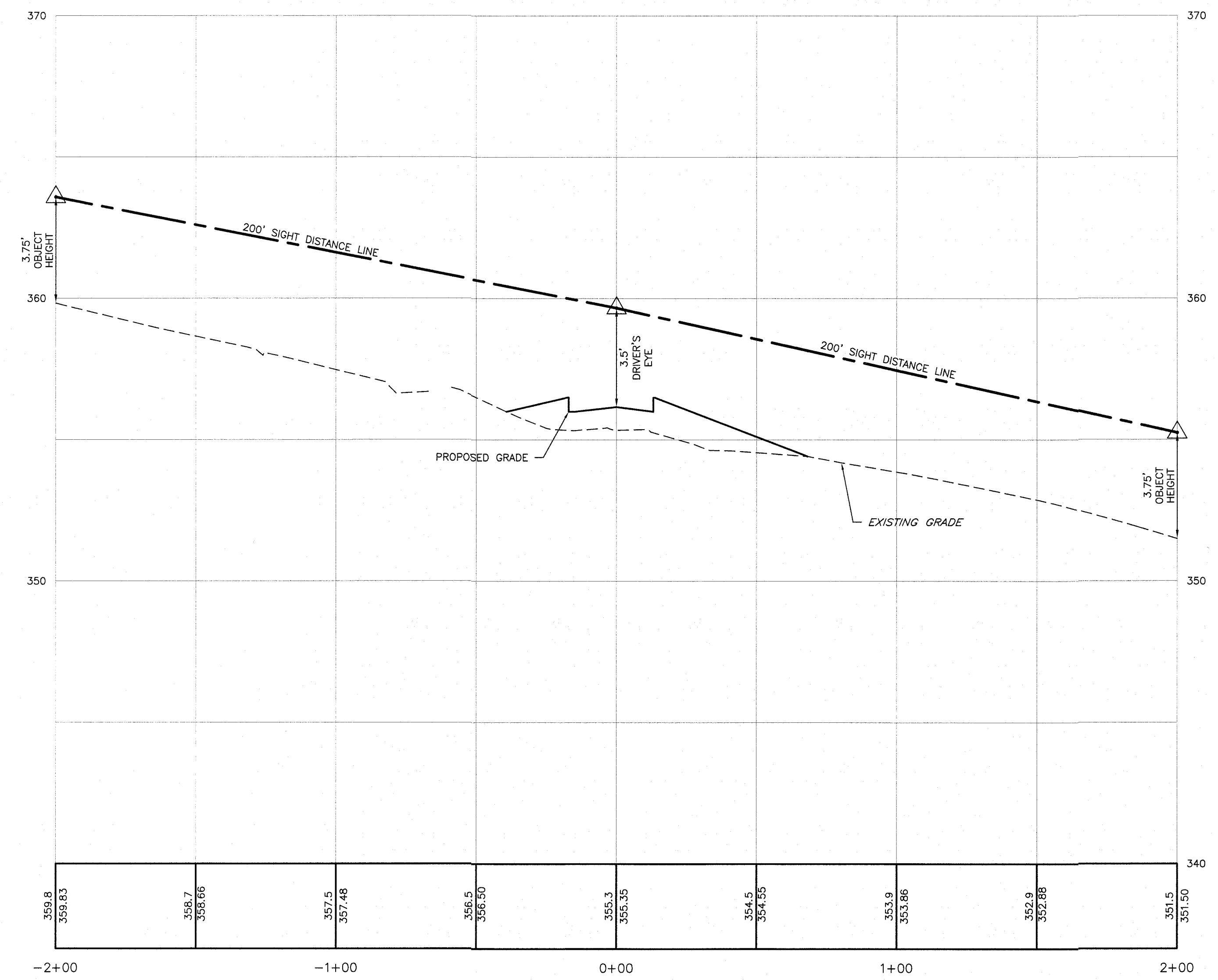
**K&A KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

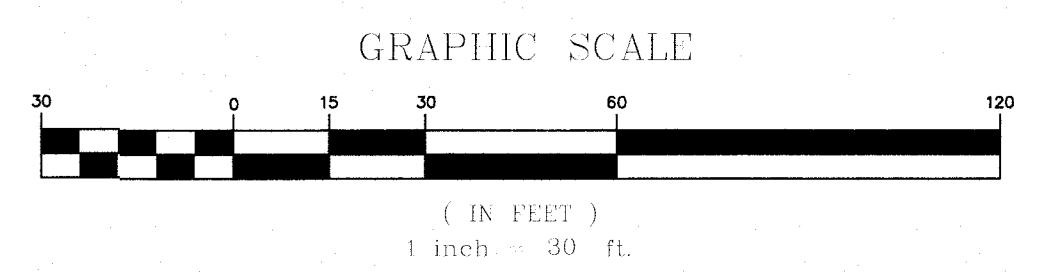
DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 21 OF 46



**SIGHT DISTANCE PLAN**  
SCALE: 1" = 30'



**SIGHT DISTANCE PROFILE**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)



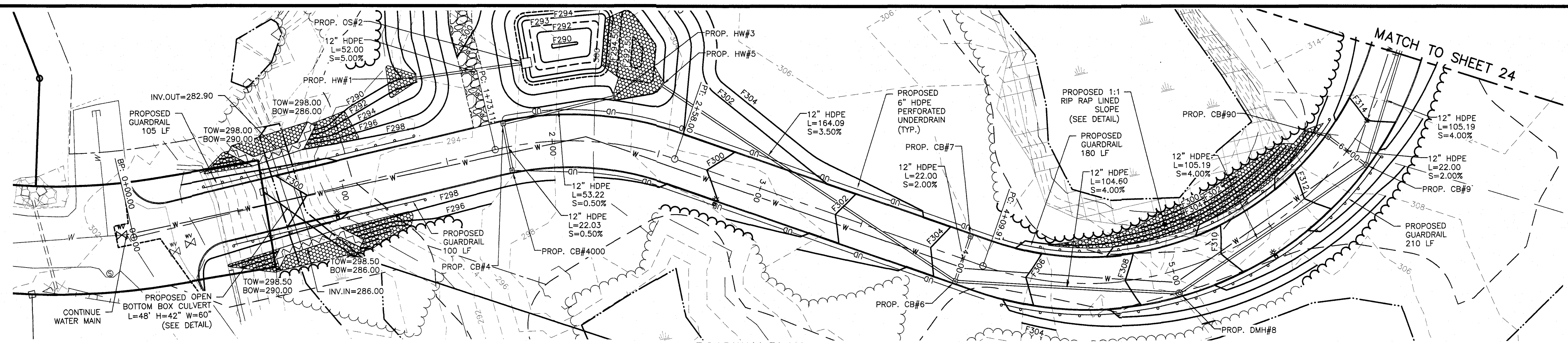
**SIGHT DISTANCE PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KM KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 827-2881

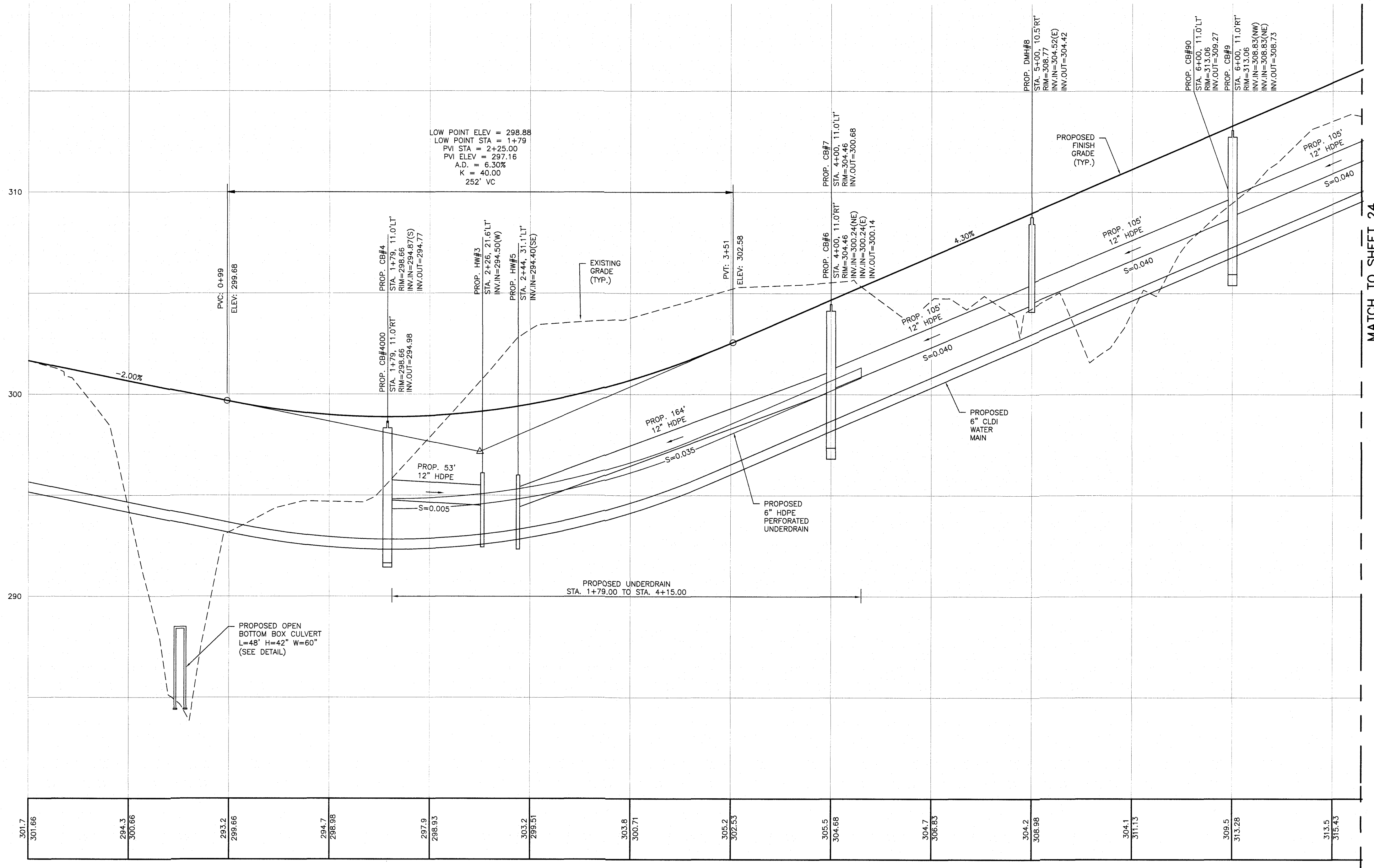
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 22 OF 46



**ROADWAY PLAN**  
SCALE: 1" = 30'

- LEGEND**
- ▣ GB-F GRANITE BOUND FOUND
  - IPIN-F IRON PIN FOUND
  - DH-F DRILL HOLE FOUND
  - UTILITY POLE
  - ⊗ WATER VALVE
  - ⊙ SEWER MANHOLE
  - ABUTTER LINE
  - PROPERTY LINE
  - WETLAND
  - POST & RAIL FENCE
  - BARBED WIRE FENCE
  - OHU OVERHEAD UTILITIES
  - WATER LINE
  - DRAINAGE LINE
  - 10' CONTOUR
  - 2' CONTOUR
  - SCS SOIL LINE
  - SSS SOIL LINE
  - TREELINE
  - RETAINING WALL
  - EDGE OF PAVEMENT
  - EDGE OF GRAVEL
  - STONEWALL
  - BUILDING SETBACK
  - EASEMENT
  - ⊕ PROPOSED SIGN
  - ⊕ PROPOSED LIGHT
  - ⊕ PROPOSED WATER VALVE
  - ⊕ PROPOSED HYDRANT
  - ⊕ PROPOSED SEWER MANHOLE
  - ⊕ PROPOSED DRAINAGE MANHOLE
  - ⊕ PROPOSED CATCH BASIN
  - ⊕ PROPOSED POST & RAIL FENCE
  - ⊕ PROPOSED GUARDRAIL
  - ⊕ UGU PROPOSED UNDERGROUND UTILITIES
  - PROPOSED WATER LINE
  - S PROPOSED SEWER LINE
  - FM PROPOSED FORCE MAIN
  - PS PROPOSED PRESSURE SEWER
  - PROPOSED DRAINAGE LINE
  - PROPOSED 2' CONTOUR
  - PROPOSED TREELINE
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED VERTICAL GRANITE CURB
  - PROPOSED RETAINING WALL



**ROADWAY PROFILE**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

**DIG SAFE**

**GRAPHIC SCALE**

( IN FEET )  
1 inch = 30 ft.

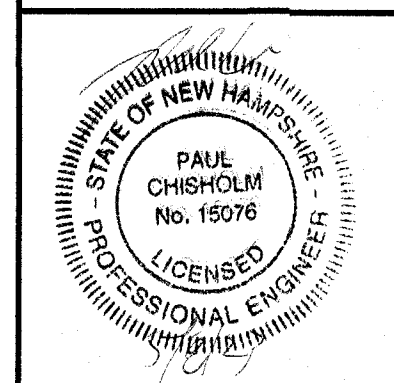
**ROADWAY PLAN & PROFILE**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

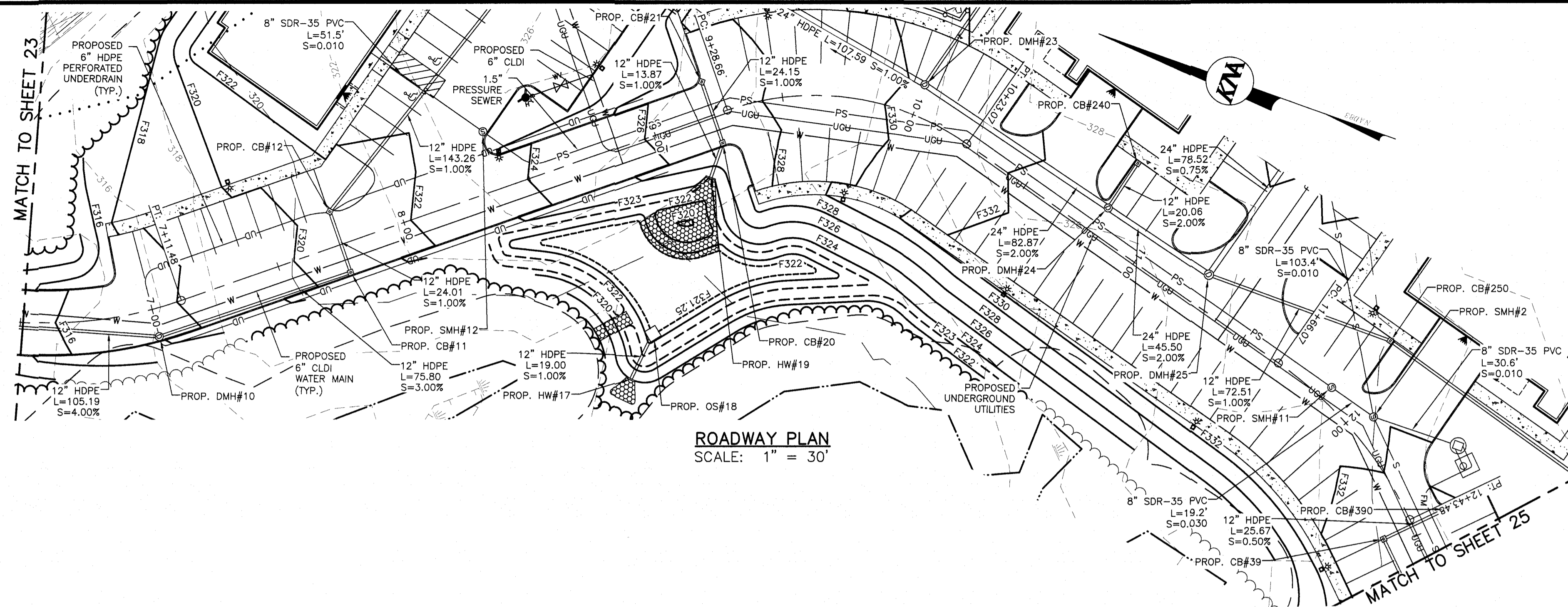
**K&A KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
PROJECT NO: 21-1216-1      SHEET 23 OF 46



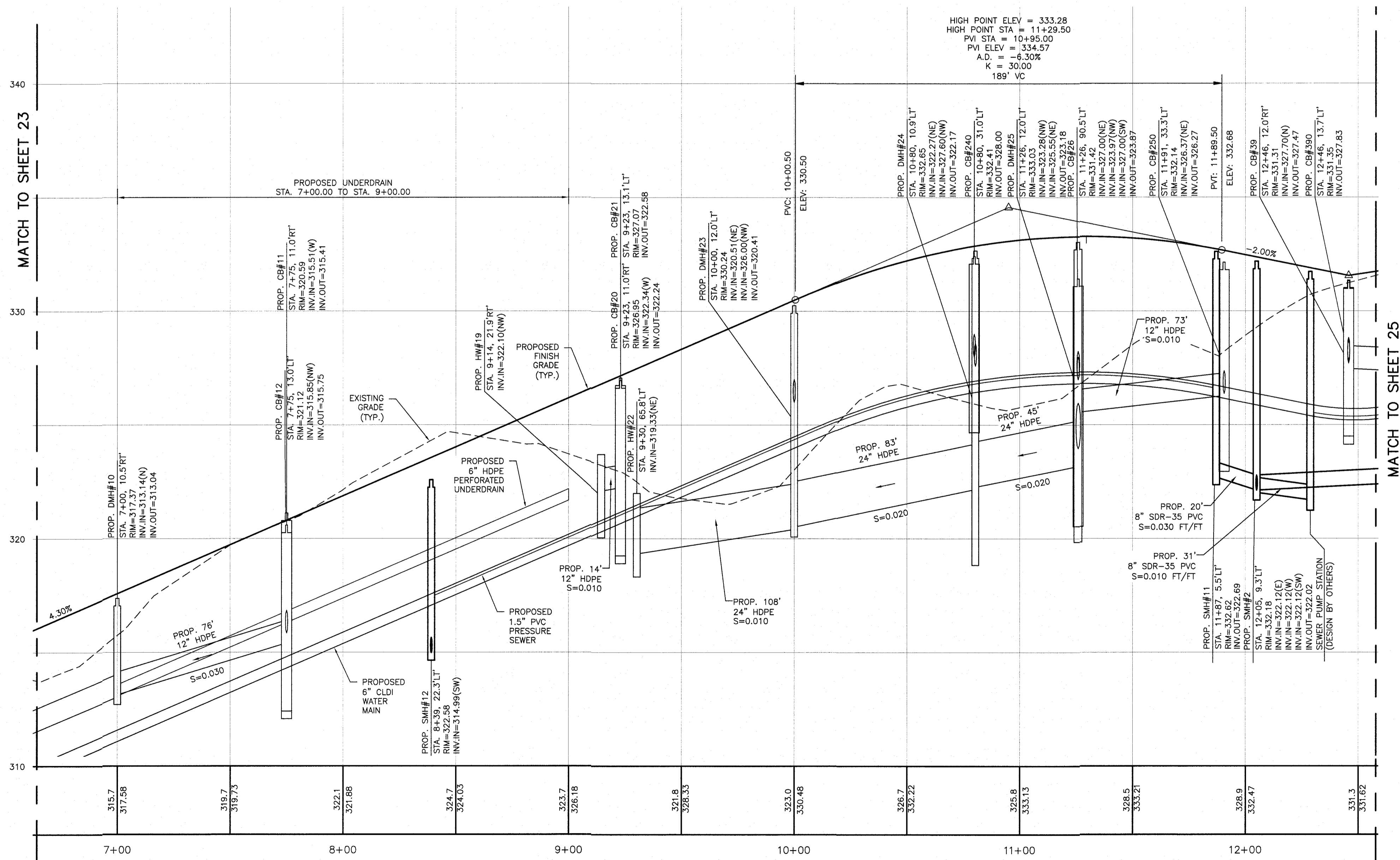




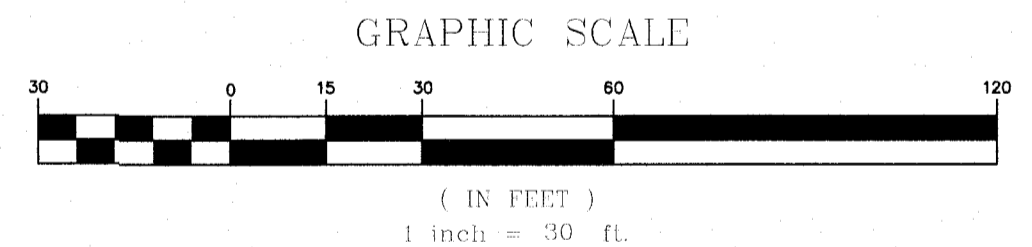
**ROADWAY PLAN**  
SCALE: 1" = 30'

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- UTILITY POLE UTILITY POLE
- WATER VALVE WATER VALVE
- SEWER MANHOLE SEWER MANHOLE
- ABUTTER LINE ABUTTER LINE
- PROPERTY LINE PROPERTY LINE
- WETLAND WETLAND
- POST & RAIL FENCE POST & RAIL FENCE
- BARBED WIRE FENCE BARBED WIRE FENCE
- OVERHEAD UTILITIES OVERHEAD UTILITIES
- OHU OHU
- WATER LINE WATER LINE
- DRAINAGE LINE DRAINAGE LINE
- 10' CONTOUR 10' CONTOUR
- 2' CONTOUR 2' CONTOUR
- SCS SOIL LINE SCS SOIL LINE
- SSS SOIL LINE SSS SOIL LINE
- TREELINE TREELINE
- RETAINING WALL RETAINING WALL
- EDGE OF PAVEMENT EDGE OF PAVEMENT
- EDGE OF GRAVEL EDGE OF GRAVEL
- STONEWALL STONEWALL
- BUILDING SETBACK BUILDING SETBACK
- EASEMENT EASEMENT
- PROPOSED SIGN PROPOSED SIGN
- PROPOSED LIGHT PROPOSED LIGHT
- PROPOSED WATER VALVE PROPOSED WATER VALVE
- PROPOSED HYDRANT PROPOSED HYDRANT
- PROPOSED SEWER MANHOLE PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN PROPOSED CATCH BASIN
- PROPOSED POST & RAIL FENCE PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL PROPOSED GUARDRAIL
- PROPOSED UNDERGROUND UTILITIES PROPOSED UNDERGROUND UTILITIES
- UGU UGU
- PROPOSED WATER LINE PROPOSED WATER LINE
- PROPOSED SEWER LINE PROPOSED SEWER LINE
- FM FM
- PS PS
- PROPOSED FORCE MAIN PROPOSED FORCE MAIN
- PROPOSED PRESSURE SEWER PROPOSED PRESSURE SEWER
- PROPOSED DRAINAGE LINE PROPOSED DRAINAGE LINE
- PROPOSED 2' CONTOUR PROPOSED 2' CONTOUR
- PROPOSED TREELINE PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL PROPOSED RETAINING WALL



**ROADWAY PROFILE**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

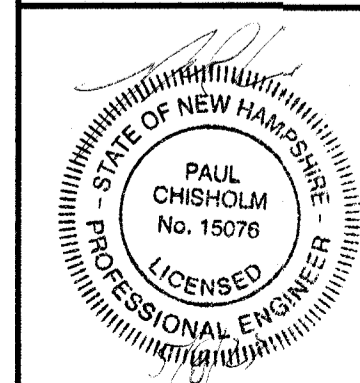


**ROADWAY PLAN & PROFILE**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

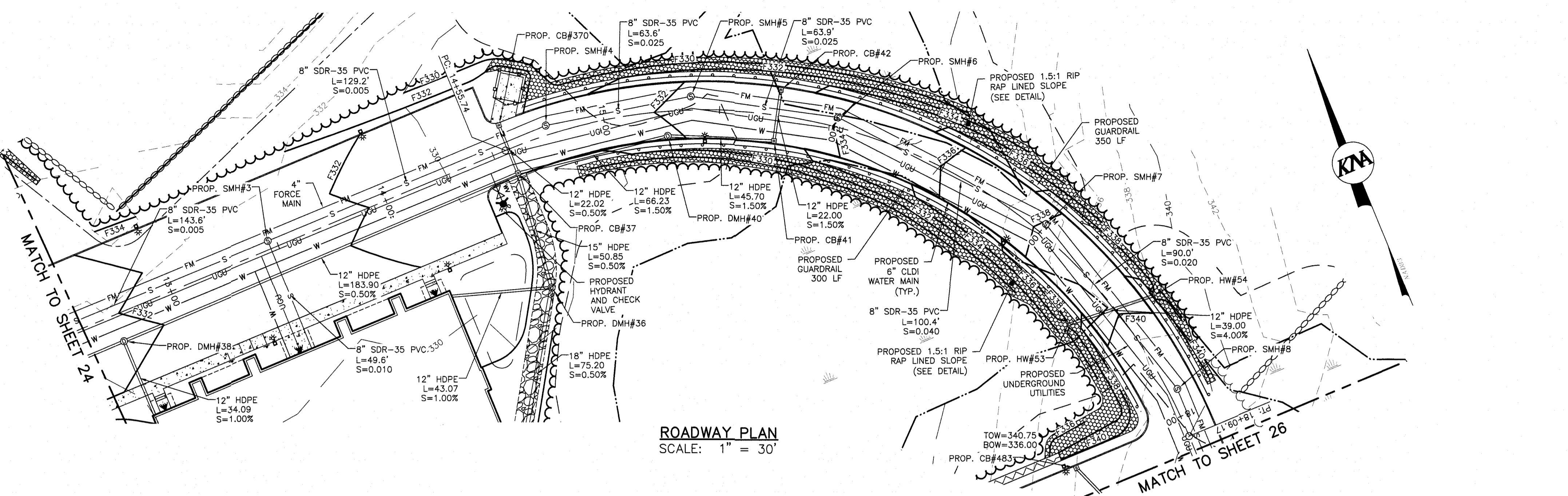
**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

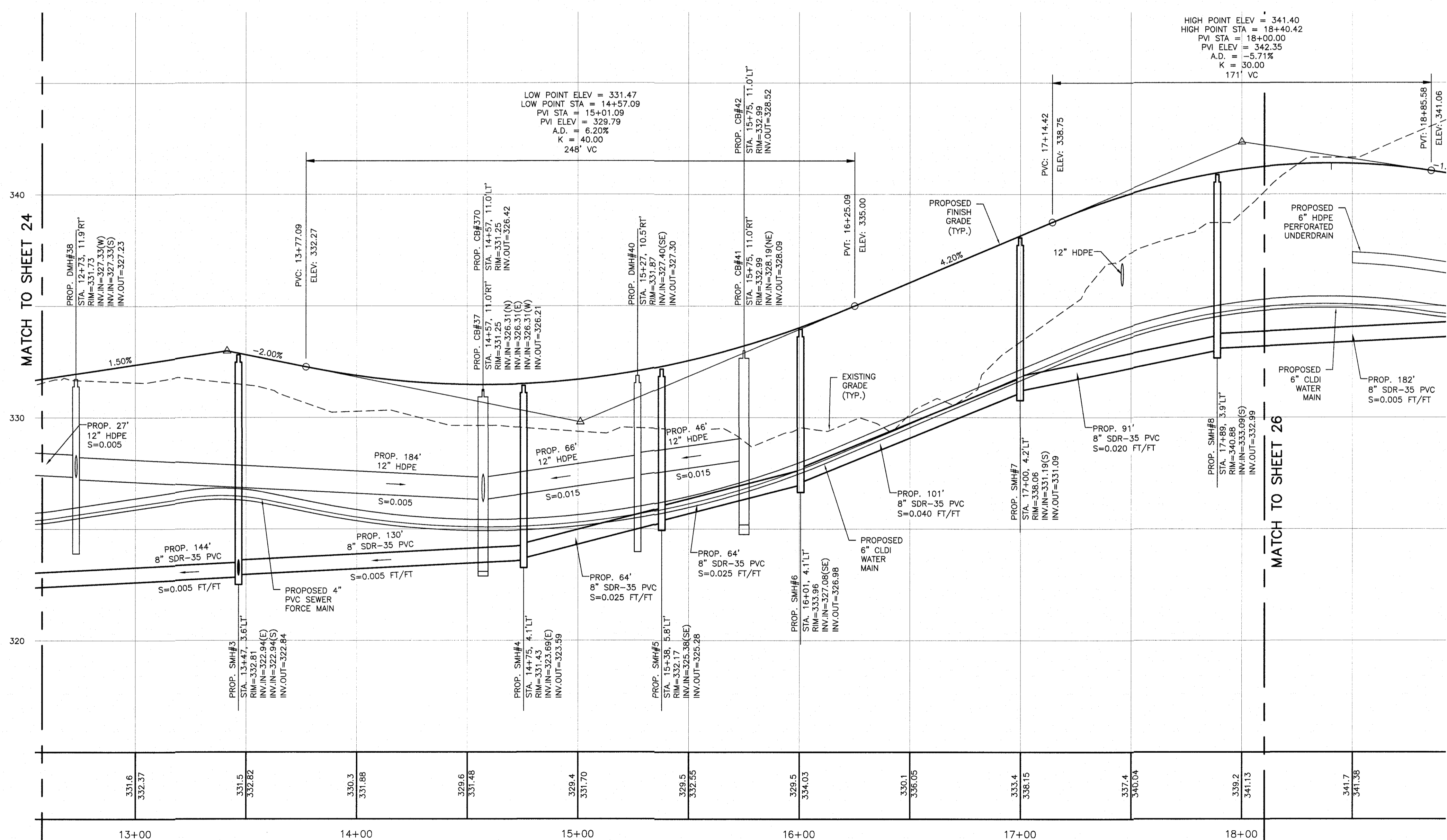


REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 24 OF 46

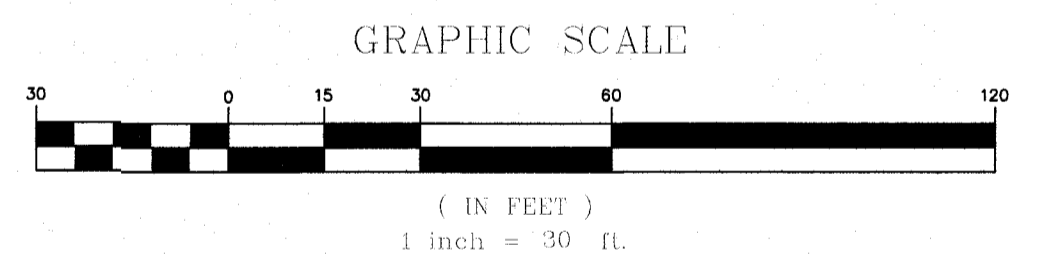


**ROADWAY PLAN**  
SCALE: 1" = 30'



**ROADWAY PROFILE**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

- LEGEND**
- GB-F GRANITE BOUND FOUND
  - IPIN-F IRON PIN FOUND
  - DH-F DRILL HOLE FOUND
  - UTILITY POLE
  - WATER VALVE
  - SEWER MANHOLE
  - ABUTTER LINE
  - PROPERTY LINE
  - WETLAND
  - POST & RAIL FENCE
  - BARBED WIRE FENCE
  - OVERHEAD UTILITIES
  - OHU
  - WATER LINE
  - DRAINAGE LINE
  - 10' CONTOUR
  - 2' CONTOUR
  - SCS SOIL LINE
  - SSS SOIL LINE
  - TREELINE
  - RETAINING WALL
  - EDGE OF PAVEMENT
  - EDGE OF GRAVEL
  - STONEWALL
  - BUILDING SETBACK
  - EASEMENT
  - PROPOSED SIGN
  - PROPOSED LIGHT
  - PROPOSED WATER VALVE
  - PROPOSED HYDRANT
  - PROPOSED SEWER MANHOLE
  - PROPOSED DRAINAGE MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED POST & RAIL FENCE
  - PROPOSED GUARDRAIL
  - UGU PROPOSED UNDERGROUND UTILITIES
  - W-W PROPOSED WATER LINE
  - S-S PROPOSED SEWER LINE
  - FM-FM PROPOSED FORCE MAIN
  - PS-PS PROPOSED PRESSURE SEWER
  - PROPOSED DRAINAGE LINE
  - PROPOSED 2' CONTOUR
  - PROPOSED TREELINE
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED VERTICAL GRANITE CURB
  - PROPOSED RETAINING WALL



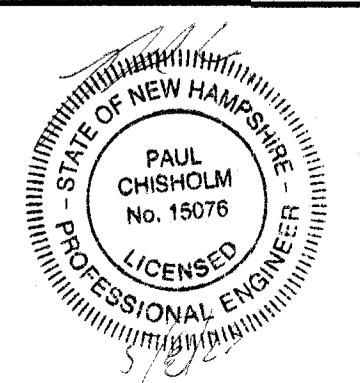
**ROADWAY PLAN & PROFILE**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

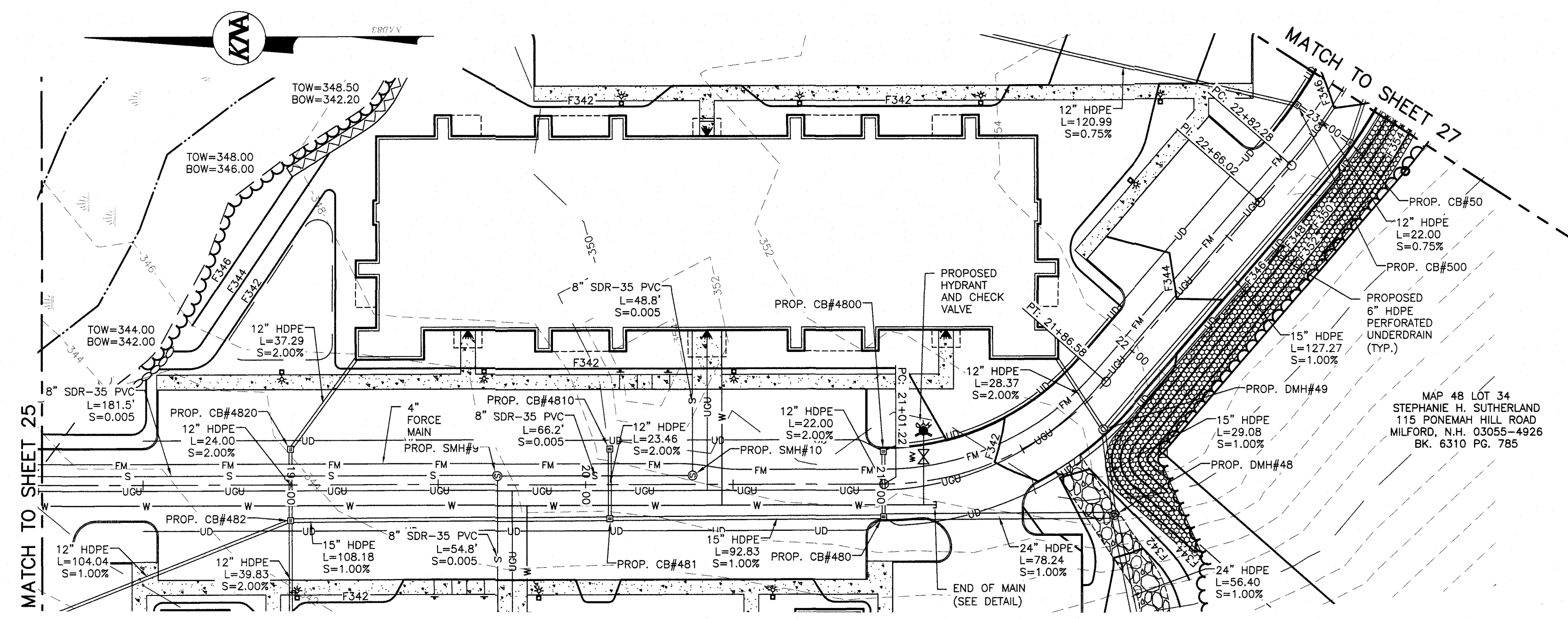
<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
PROJECT NO: 21-1216-1      SHEET 25 OF 46

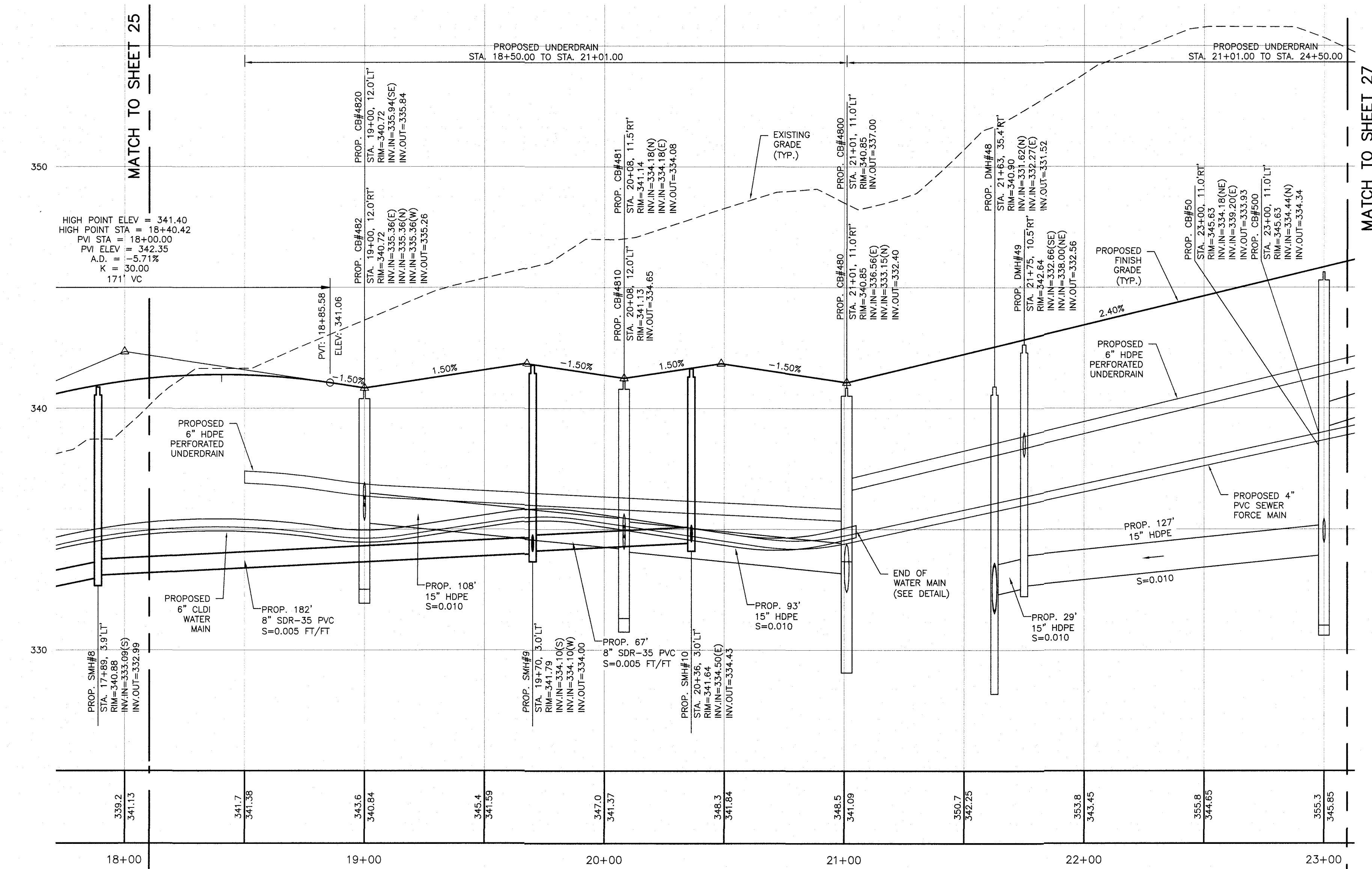




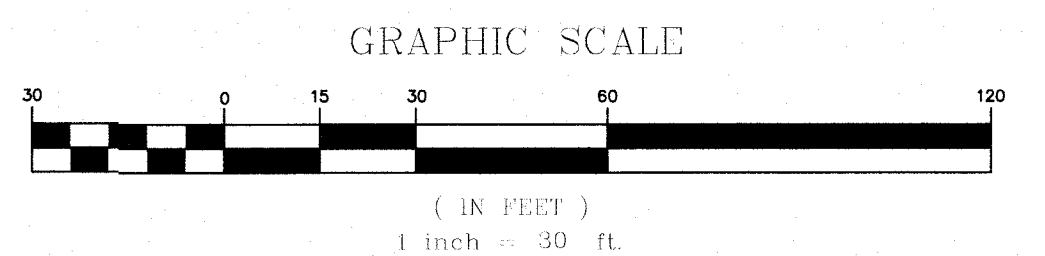
**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- UTILITY POLE
- WATER VALVE
- SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OVERHEAD UTILITIES
- OHU
- WATER LINE
- DRAINAGE LINE
- 10' CONTOUR
- 2' CONTOUR
- SCS SOIL LINE
- SSS SOIL LINE
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- PROPOSED SIGN
- PROPOSED LIGHT
- PROPOSED WATER VALVE
- PROPOSED HYDRANT
- PROPOSED SEWER MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL
- PROPOSED UNDERGROUND UTILITIES
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED FORCE MAIN
- PROPOSED PRESSURE SEWER
- PROPOSED DRAINAGE LINE
- PROPOSED 2' CONTOUR
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL

**ROADWAY PLAN**  
SCALE: 1" = 30'



**ROADWAY PROFILE**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)



**ROADWAY PLAN & PROFILE**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<p><b>OWNER OF RECORD:</b>          SALT CREEK PROPERTIES, LLC          PO BOX 967          AMHERST, NH 03031          H.C.R.D. BK. 8420 PG. 1596</p>	<p><b>OWNER/APPLICANT:</b>          TM BOLDUC HOLDINGS, LLC          131 BURKE STREET, SUITE A          NASHUA, NH 03060</p>
---	--

**KEACH-NORDSTROM ASSOCIATES, INC.**  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

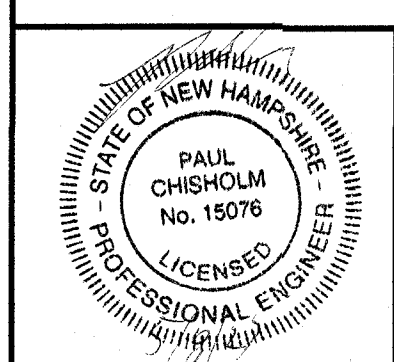
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

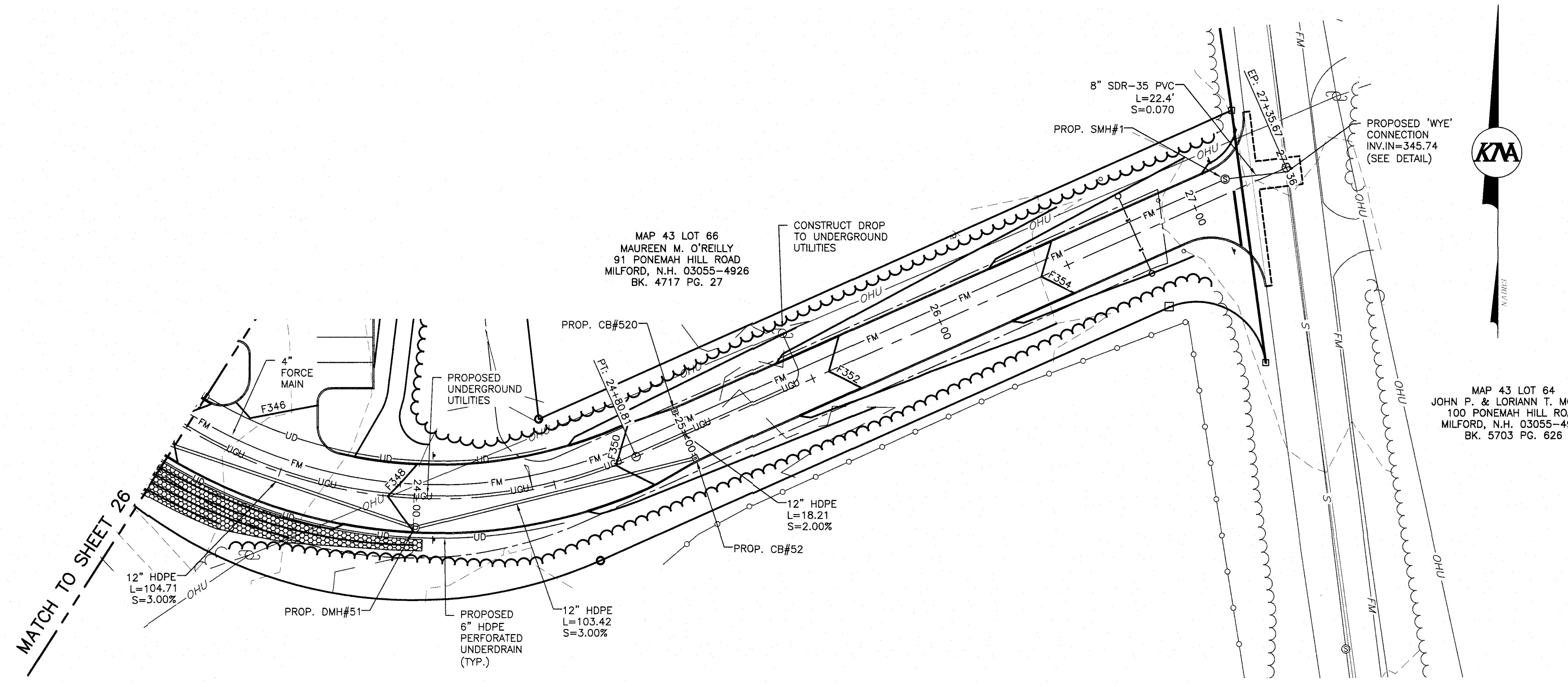
**DATE:** FEBRUARY 9, 2023

**SCALE:** 1" = 30'

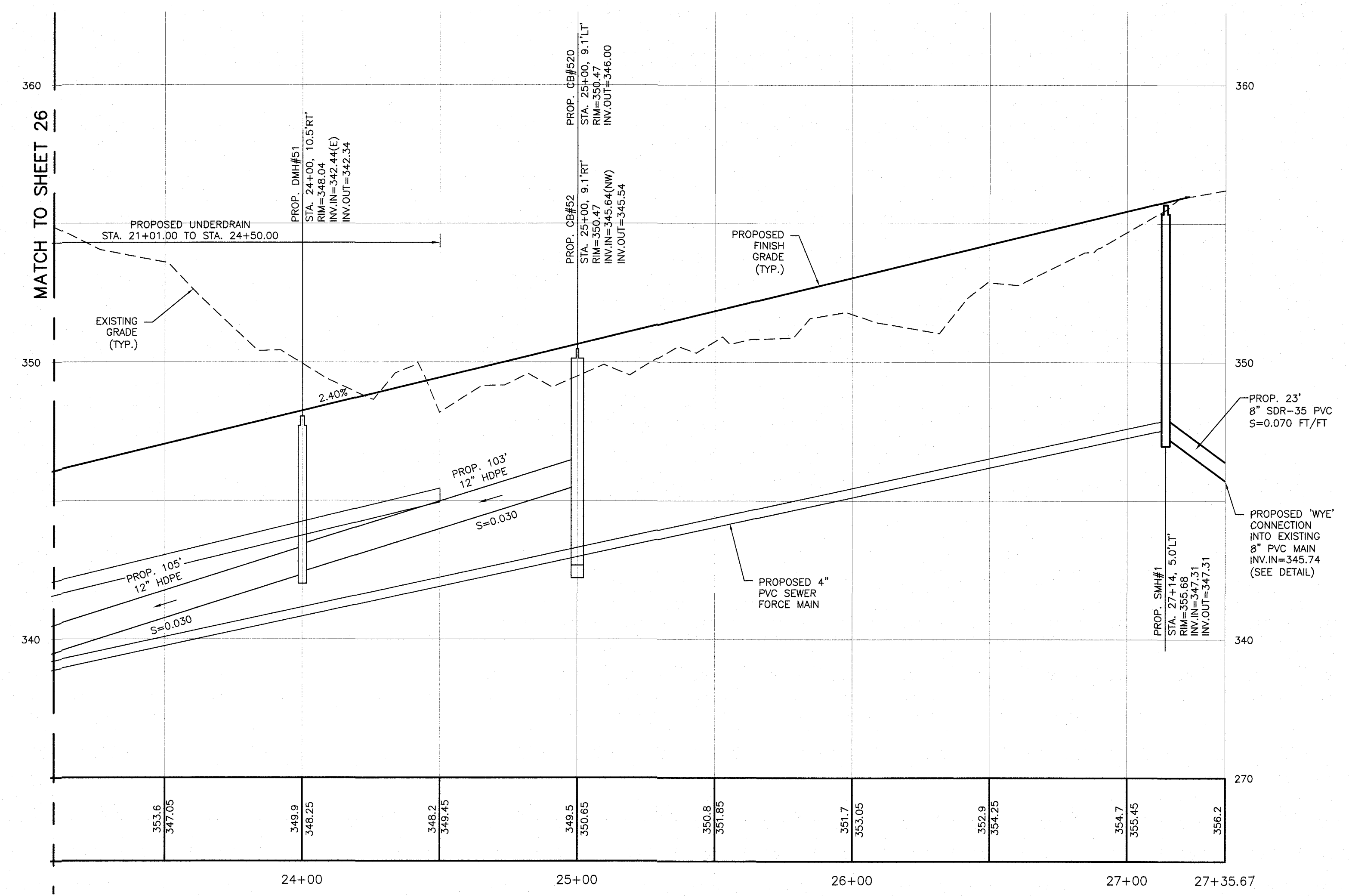
**PROJECT NO:** 21-1216-1

**SHEET** 26 **OF** 46





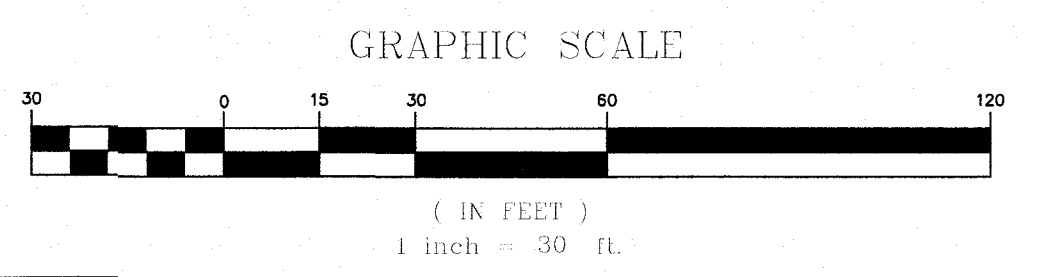
**ROADWAY PLAN**  
SCALE: 1" = 30'



**ROADWAY PROFILE**  
SCALE: 1" = 30' (HORIZ.)  
1" = 3' (VERT.)

**LEGEND**

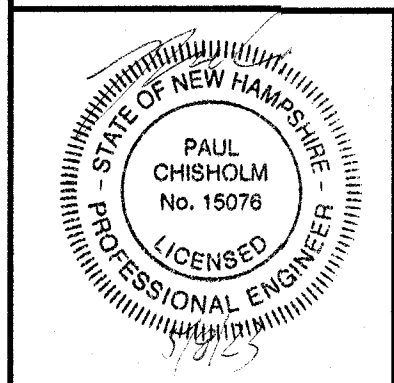
- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- ⊙ DH-F DRILL HOLE FOUND
- UTILITY POLE
- ⊕ WATER VALVE
- ⊙ SEWER MANHOLE
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- POST & RAIL FENCE
- BARBED WIRE FENCE
- OHU OVERHEAD UTILITIES
- W WATER LINE
- DRAINAGE LINE
- 10' CONTOUR
- 2' CONTOUR
- SCS SOIL LINE
- SSS SOIL LINE
- TREELINE
- RETAINING WALL
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- ↑ PROPOSED SIGN
- ⊕ PROPOSED LIGHT
- ⊕ PROPOSED WATER VALVE
- ⊕ PROPOSED HYDRANT
- ⊕ PROPOSED SEWER MANHOLE
- ⊕ PROPOSED DRAINAGE MANHOLE
- ⊕ PROPOSED CATCH BASIN
- ⊕ PROPOSED POST & RAIL FENCE
- PROPOSED GUARDRAIL
- UGU PROPOSED UNDERGROUND UTILITIES
- W PROPOSED WATER LINE
- S PROPOSED SEWER LINE
- FM PROPOSED FORCE MAIN
- PS PROPOSED PRESSURE SEWER
- PROPOSED DRAINAGE LINE
- PROPOSED 2' CONTOUR
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED VERTICAL GRANITE CURB
- PROPOSED RETAINING WALL



**ROADWAY PLAN & PROFILE**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
PROJECT NO: 21-1216-1      SHEET 27 OF 46

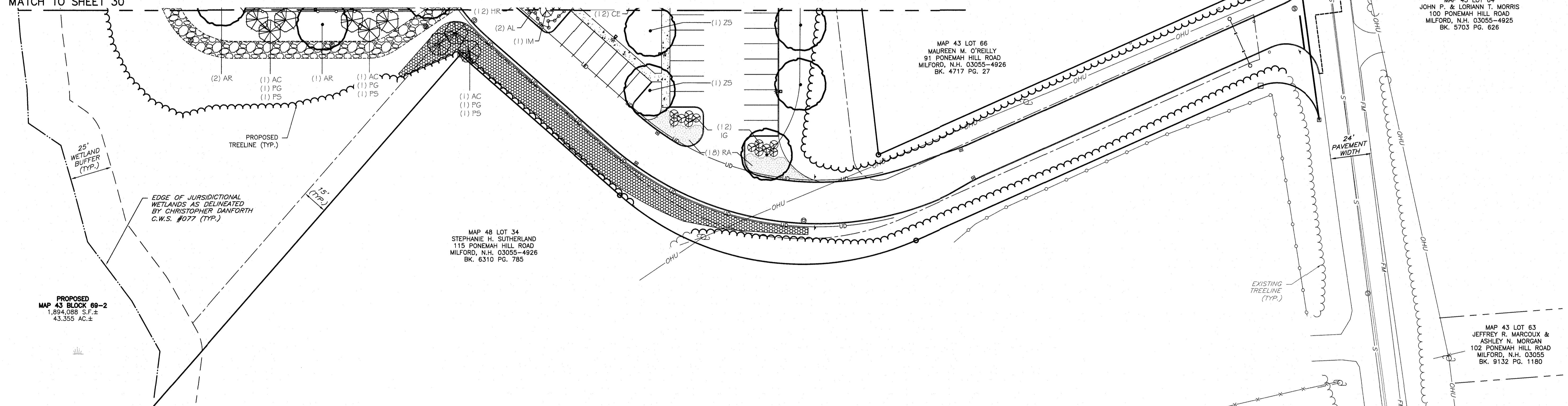






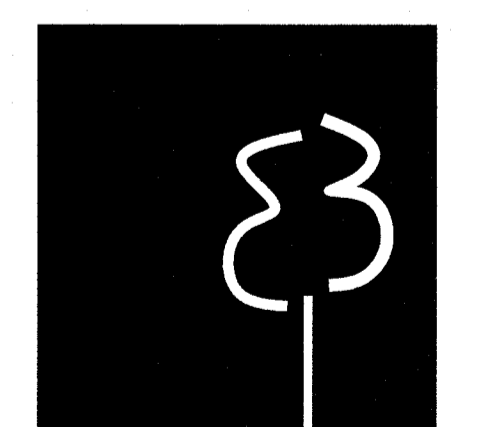
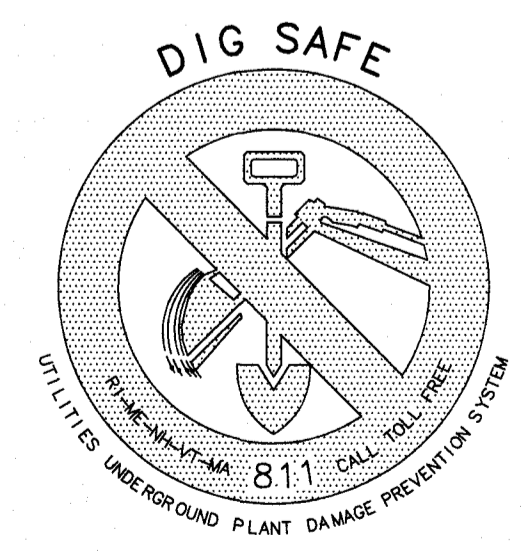


MATCH TO SHEET 30

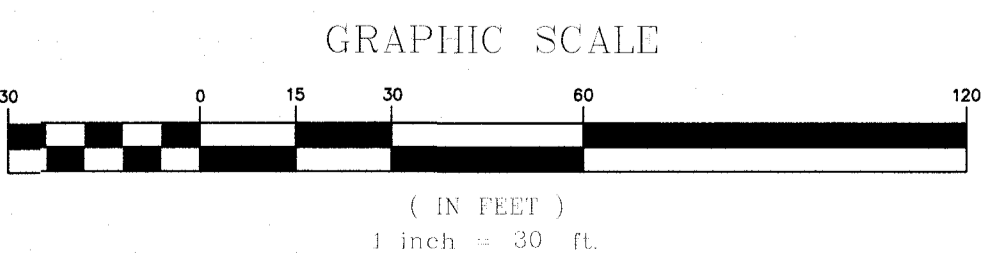


LOAM & SEED ALL DISTURBED AREAS (TYP.)

SEE SHEET 29 FOR NOTES AND LEGEND



**terrain**  
 planning & design llc  
 311 kast hill road  
 hopkinton nh 03229  
 603. 746. 3512  
 terrainplanning.com

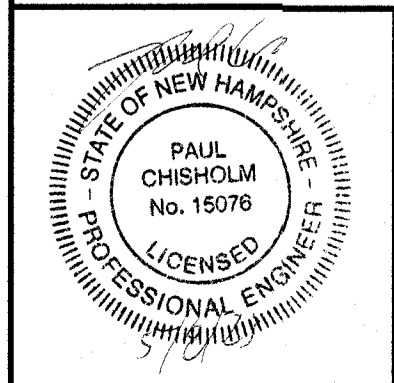


**LANDSCAPE PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

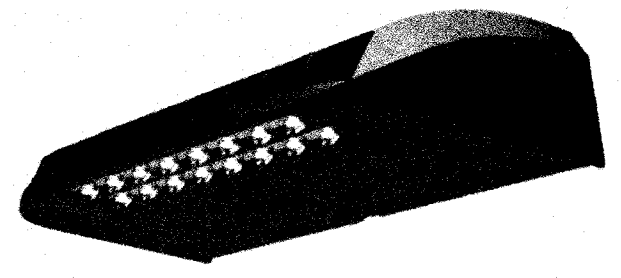
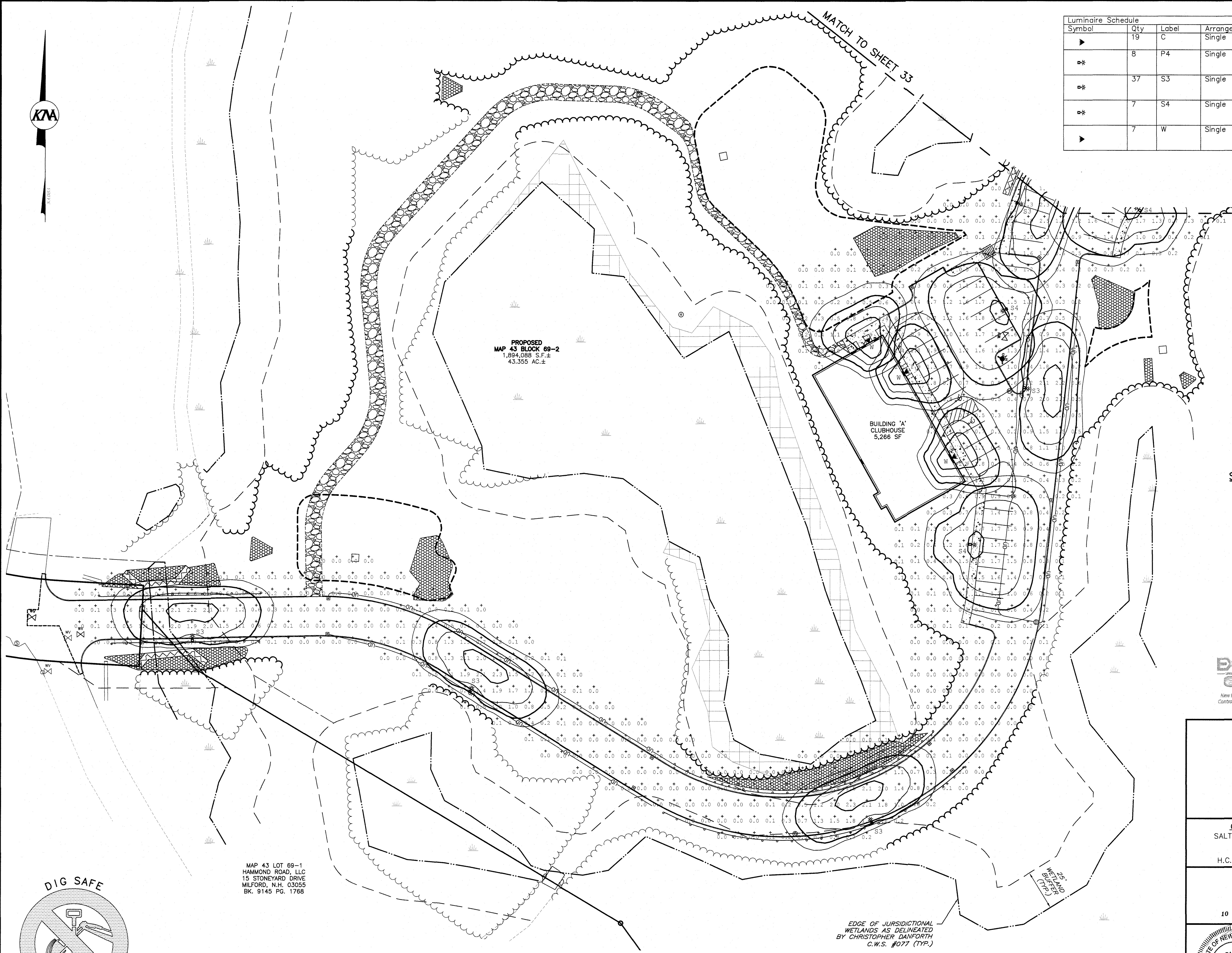
**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM
DATE: FEBRUARY 9, 2023		SCALE: 1" = 30'	
PROJECT NO: 21-1216-1		SHEET 31 OF 46	

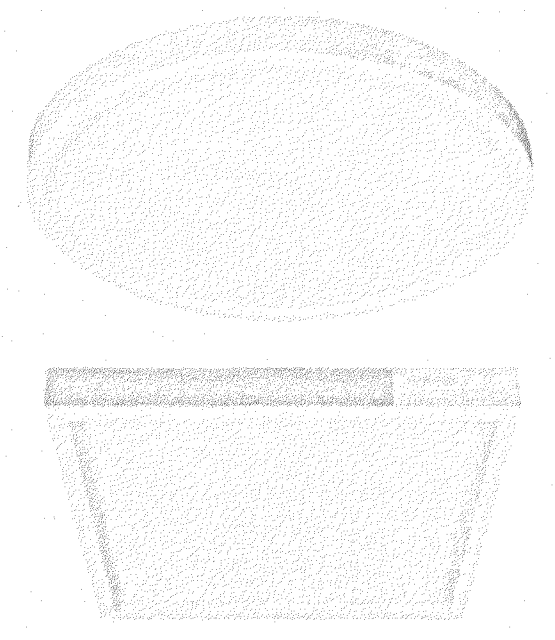




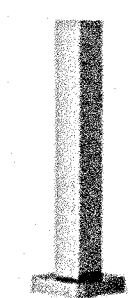
Luminaire Schedule					
Symbol	Qty	Label	Arrangement	Description	[MANUFAC]
▶	19	C	Single	DSE63120SSQWH (3000K) / CANOPY MOUNTED	NICOR Inc.
■*	8	P4	Single	MRS-LED-03L-SIL-FT-UNV-DIM-30-70CRI / 4SQ-B3-S11G-14-S-GA (14' AFG)	LSI INDUSTRIES, INC.
■*	37	S3	Single	MRS-LED-06L-SIL-3-UNV-DIM-30-70CRI-IL / 4SQ-B3-S11G-20-S-GA (20' AFG)	LSI INDUSTRIES, INC.
■*	7	S4	Single	MRS-LED-06L-SIL-FT-UNV-DIM-30-70CRI / 4SQ-B3-S11G-20-S-GA (20' AFG)	LSI INDUSTRIES, INC.
▶	7	W	Single	XWM-FT-LED-03L-30-UE-CXX / WALL MTD 12' AFG	LSI INDUSTRIES, INC.



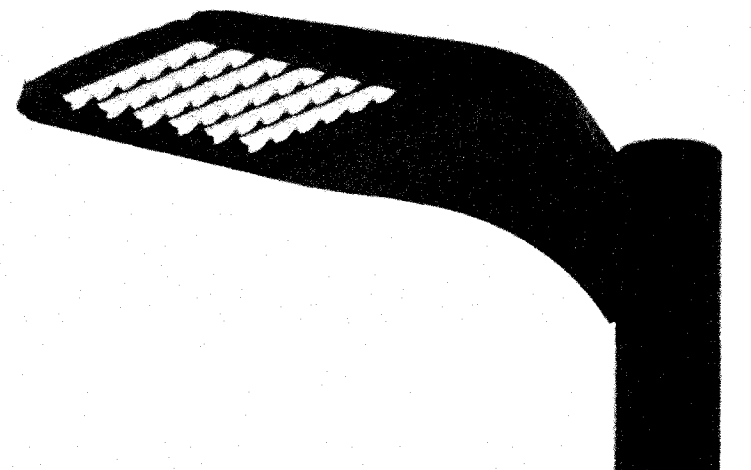
MIRADA MEDIUM WALL SCONCE (XWM)



DSE EDGE LIT SURFACE MOUNT LED DOWNLIGHT



STEEL LIGHT POLE



MIRADA SMALL AREA (MRS)

**EXPOSURE** | KENNETH SWEENEY | APPLICATIONS ENGINEER  
603.759.1043  
6 SCOTT RD | HAMPTON, NH 03842 | 603.601.8090  
EXPOSURE2LIGHTING.COM

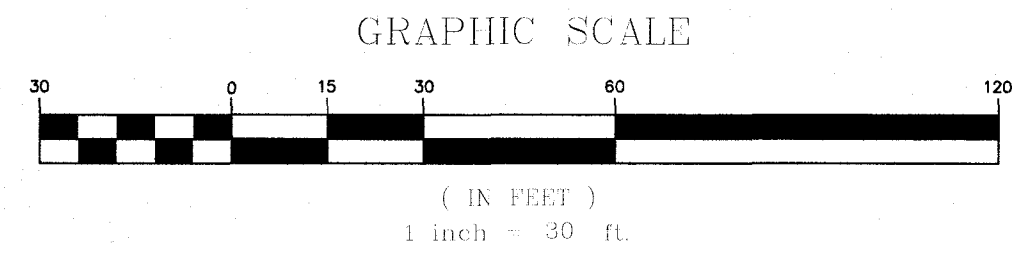
**LIGHTING PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
PROJECT NO: 21-1216-1      SHEET 32 OF 46



MAP 43 LOT 69-1  
HAMMOND ROAD, LLC  
15 STONEYARD DRIVE  
MILFORD, N.H. 03055  
BK. 9145 PG. 1768



PROPOSED  
 MAP 43 BLOCK 69-2  
 1,894,088 S.F.±  
 43.355 AC.±

BUILDING 'C'  
 48 UNITS  
 15,840 SF

BUILDING 'D'  
 12,800 SF

BUILDING 'B'  
 13,920 SF

MAP 43 LOT 68-C  
 NEW POINT, LLC  
 1 VILLAGE LANE  
 LITTLETON, MA. 01460  
 BK. 8864 PG. 1026

BUILDING 'E'  
 24 UNITS  
 9,317 SF

EDGE OF JURISDICTIONAL  
 WETLANDS AS DELINEATED  
 BY CHRISTOPHER DANFORTH  
 C.W.S. #077 (TYP.)

29'  
 WETLAND  
 BUFFER  
 (TYP.)

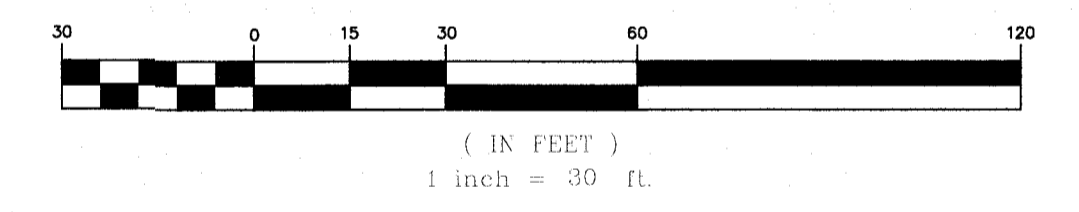
MATCH TO SHEET 32

MATCH TO SHEET 34

MATCH TO SHEET 34

SEE SHEET 32 FOR NOTES  
 & LEGEND

GRAPHIC SCALE



KENNETH SWEENEY | APPLICATIONS ENGINEER  
 603.759.1043  
 6 SCOTT RD | HAMPTON, NH 03842 | 603.601.8060  
 EXPOSURE2LIGHTING.COM

**LIGHTING PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: 1" = 30'  
 PROJECT NO: 21-1216-1      SHEET 33 OF 46



MAP 43 LOT 68-C  
NEW VILLAGE, LLC  
LITTLETON, MA 01460  
BK. 8868 PG. 1029

MAP 43 LOT 67  
ERIN WHITE  
79 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4926  
BK. 8311 PG. 2613

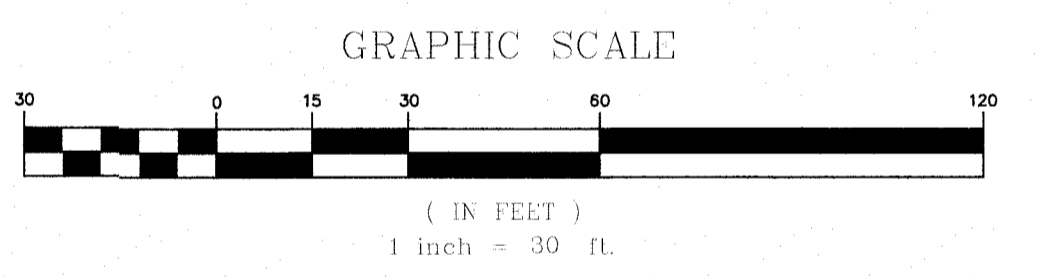
MAP 43 LOT 66  
MAUREEN M. O'REILLY  
91 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4926  
BK. 4717 PG. 27

PROPOSED  
MAP 43 BLOCK 69-2  
1,894,088 S.F.±  
43.355 AC.±

BUILDING 'F'  
36 UNITS  
15,840 SF

BUILDING 'G'  
36 UNITS  
15,840 SF

SEE SHEET 32 FOR NOTES  
& LEGEND



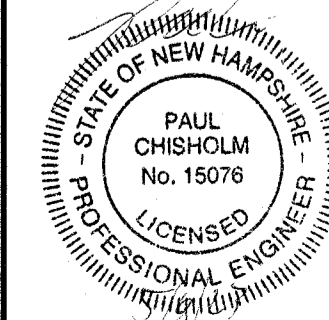
**EXPOSURE**  
**ESS**  
New England's Premier Lighting,  
Controls and Electrical Rep Agency  
KENNETH SWEENEY | APPLICATIONS ENGINEER  
603.759.1043  
6 SCOTT RD | HAMPTON, NH 03842 | 603.601.8080  
EXPOSURE2LIGHTING.COM

**LIGHTING PLAN**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

**OWNER/APPLICANT:**  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
PROJECT NO: 21-1216-1 SHEET 34 OF 46

MATCH TO SHEET 33

MATCH TO SHEET 33

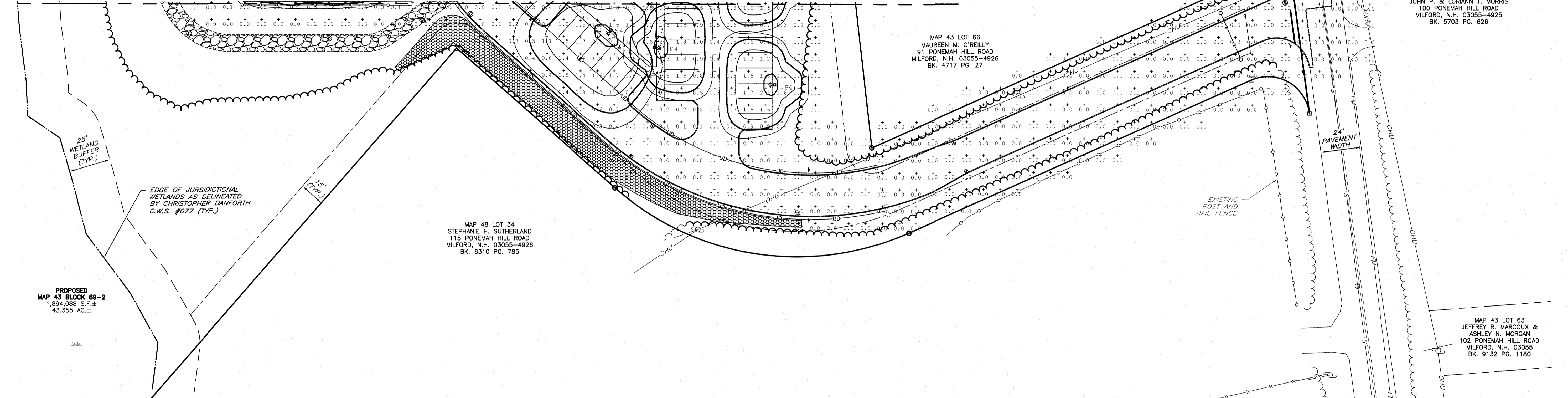
EDGE OF JURISDICTIONAL  
WETLANDS AS DELINEATED  
BY CHRISTOPHER DANFORTH  
C.W.S. #077 (TYP.)

MATCH TO SHEET 35

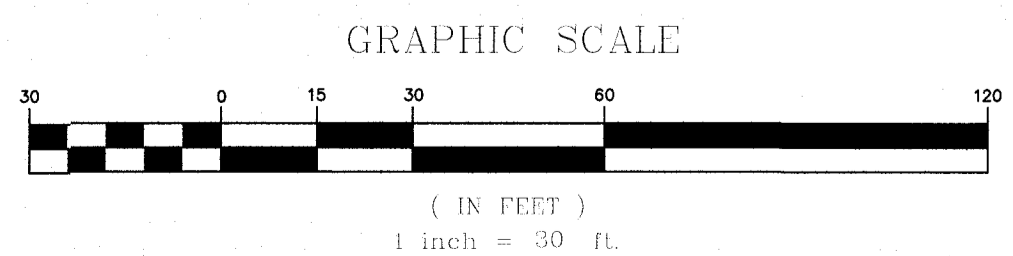




MATCH TO SHEET 34



SEE SHEET 32 FOR NOTES & LEGEND



**LIGHTING PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: 1" = 30'  
 PROJECT NO: 21-1216-1 SHEET 35 OF 46

**EXPOSURE**  
 Kenneth Sweeney | APPLICATIONS ENGINEER  
 603.759.1043  
 6 SCOTT RD | HAMPTON, NH 03842 | 603.601.8060  
 EXPOSURE2.LIGHTING.COM

PROPOSED  
MAP 43 BLOCK 69-2  
1,894,088 S.F.±  
43.355 AC.±

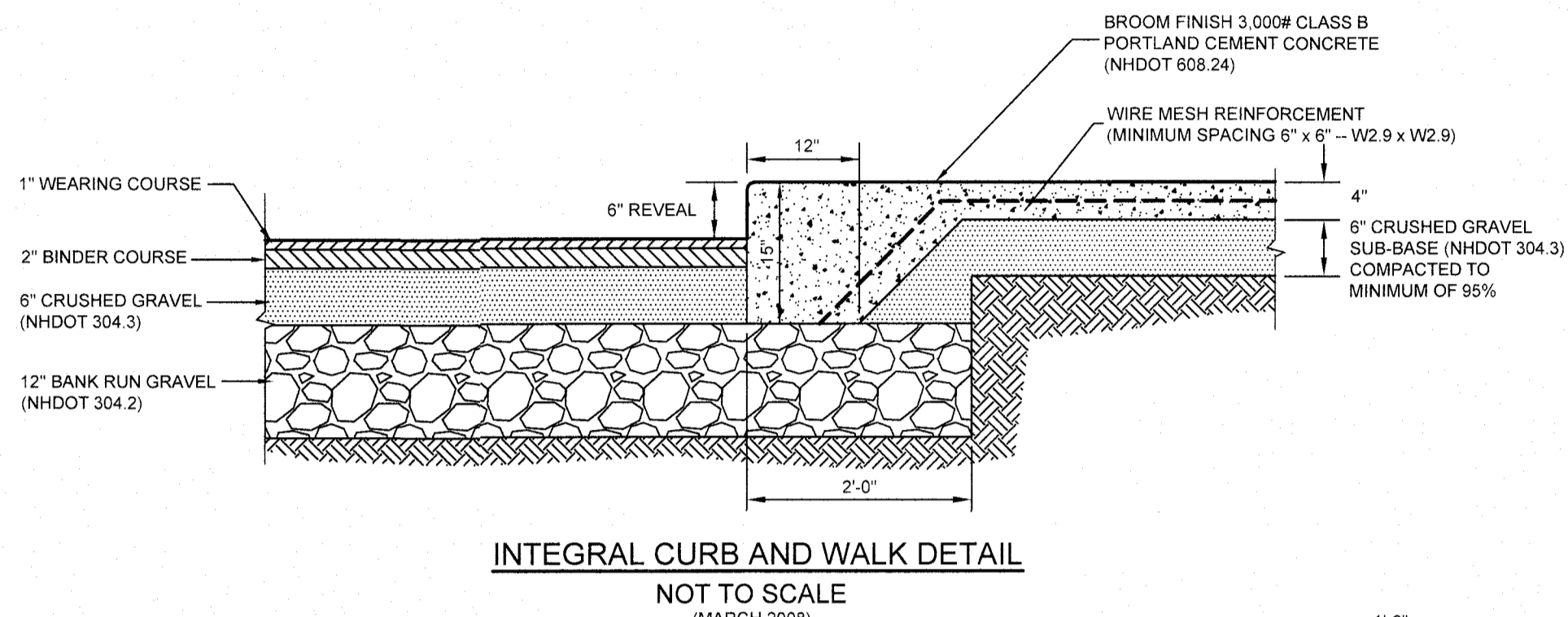
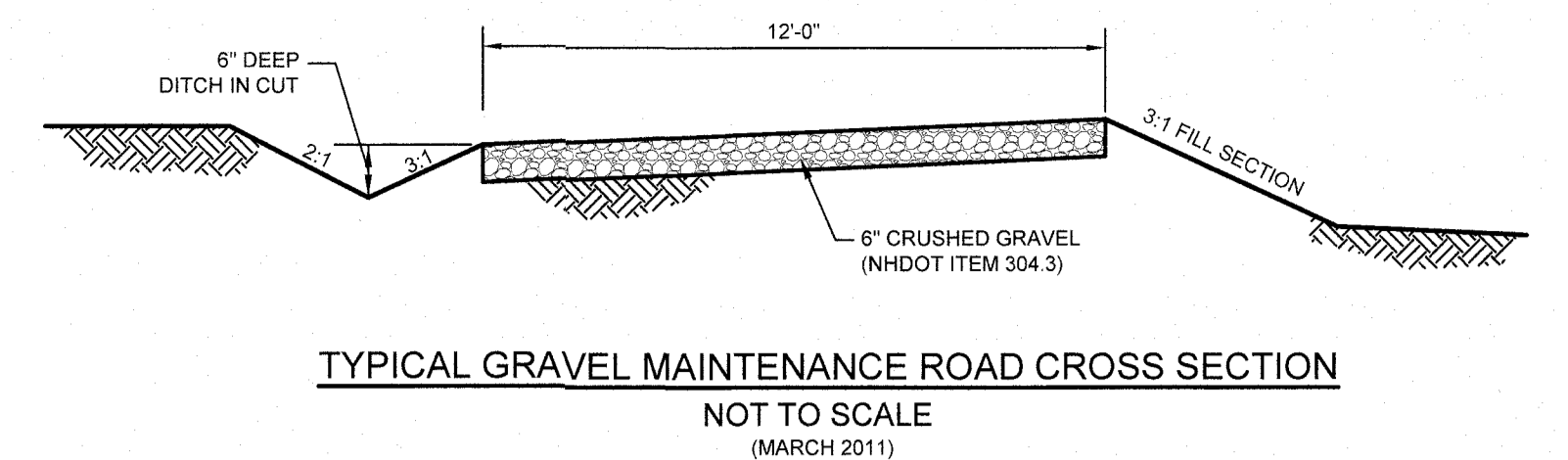
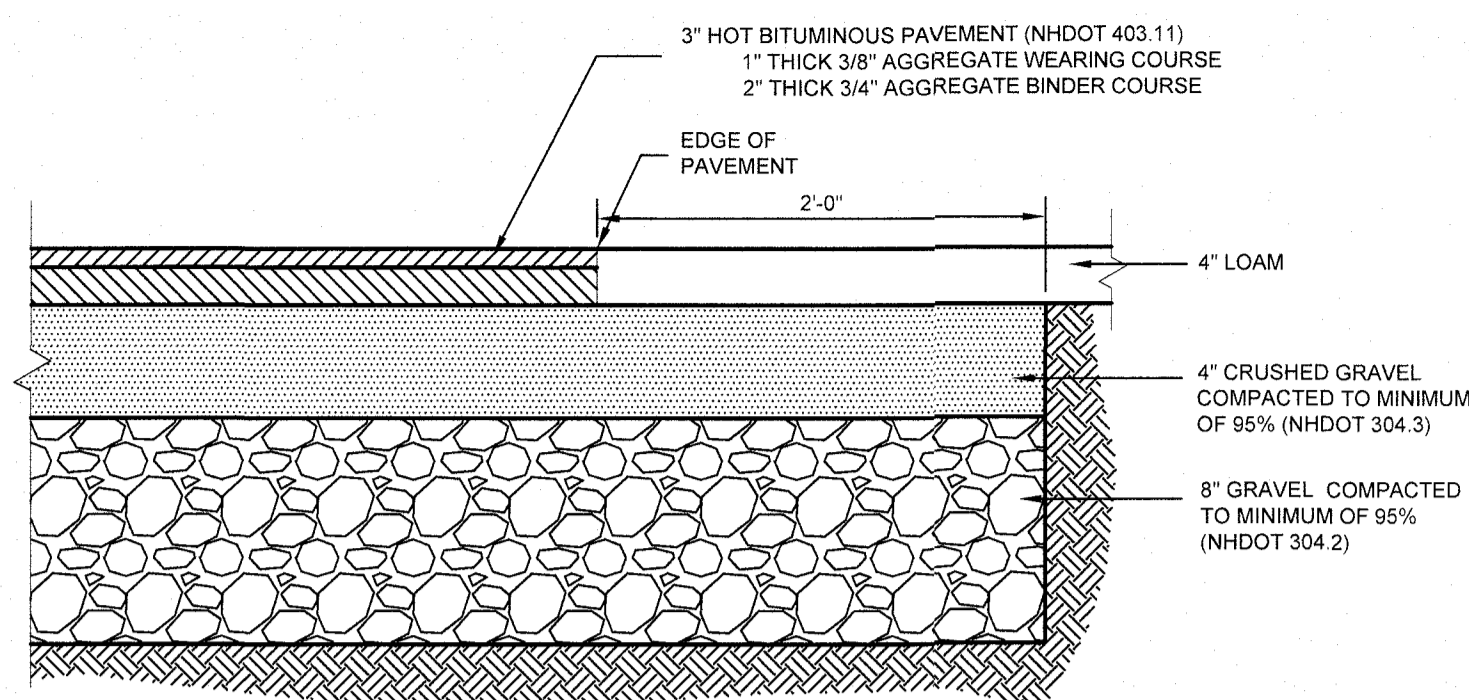
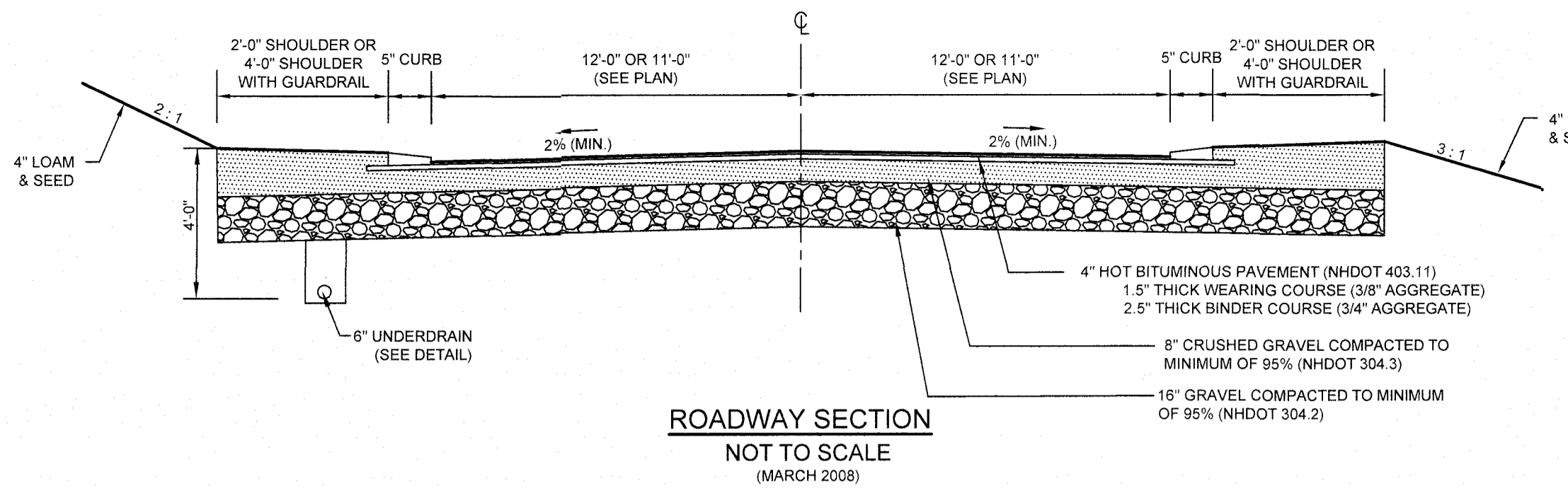
MAP 48 LOT 34  
STEPHANIE H. SUTHERLAND  
115 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4926  
BK. 6310 PG. 785

MAP 43 LOT 66  
MAUREEN M. O'REILLY  
91 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4926  
BK. 4717 PG. 27

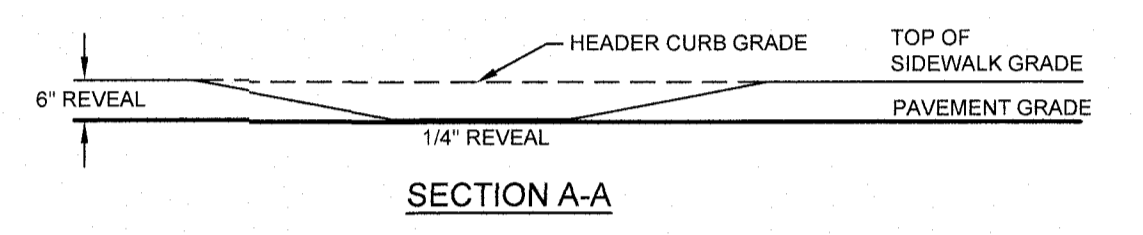
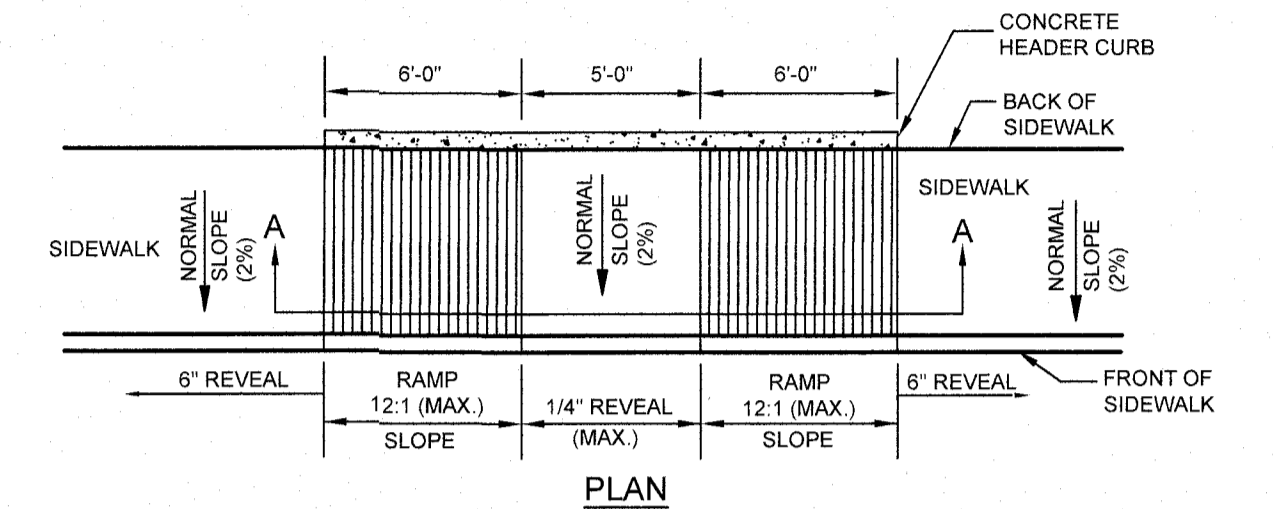
MAP 43 LOT 64  
JOHN P. & LORIAN T. MORRIS  
100 PONEMAH HILL ROAD  
MILFORD, N.H. 03055-4925  
BK. 5703 PG. 626

MAP 43 LOT 63  
JEFFREY R. MARCOUX &  
ASHLEY N. MORGAN  
102 PONEMAH HILL ROAD  
MILFORD, N.H. 03055  
BK. 9132 PG. 1180



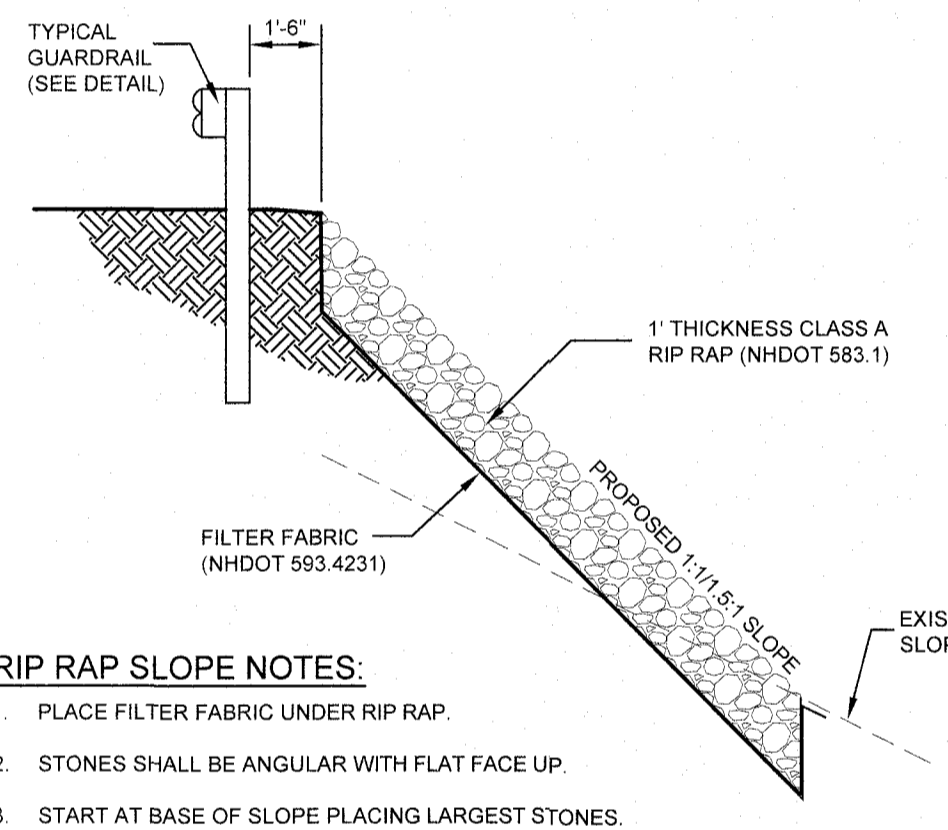
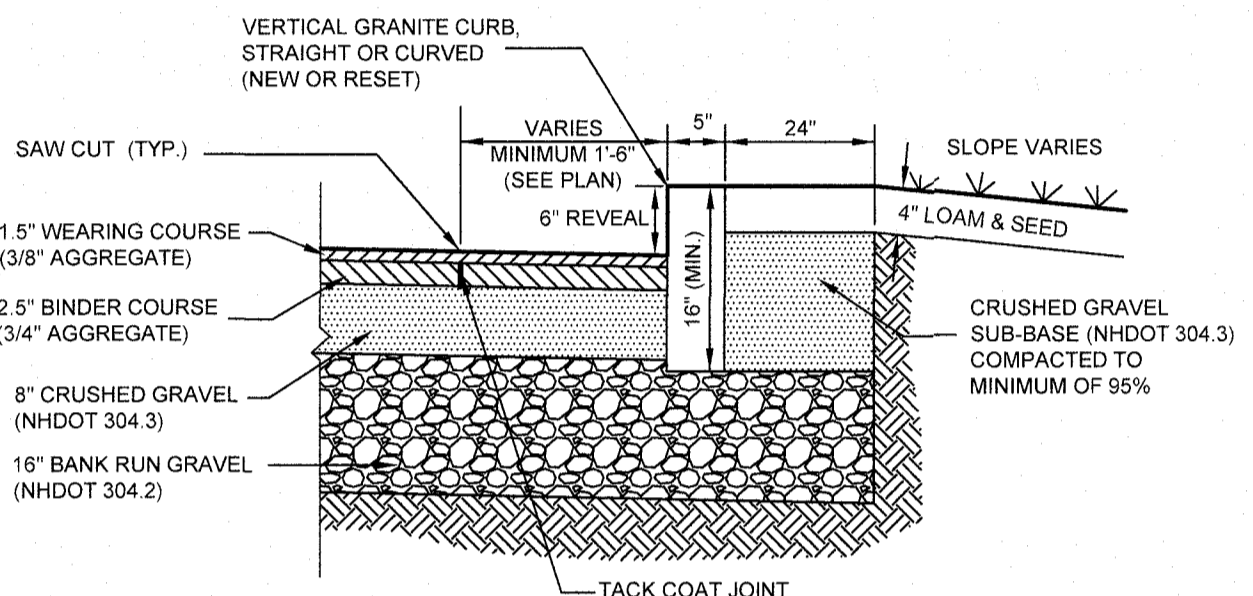


DRIVEWAY AND PARKING LOT SECTION  
NOT TO SCALE  
(MARCH 2008)



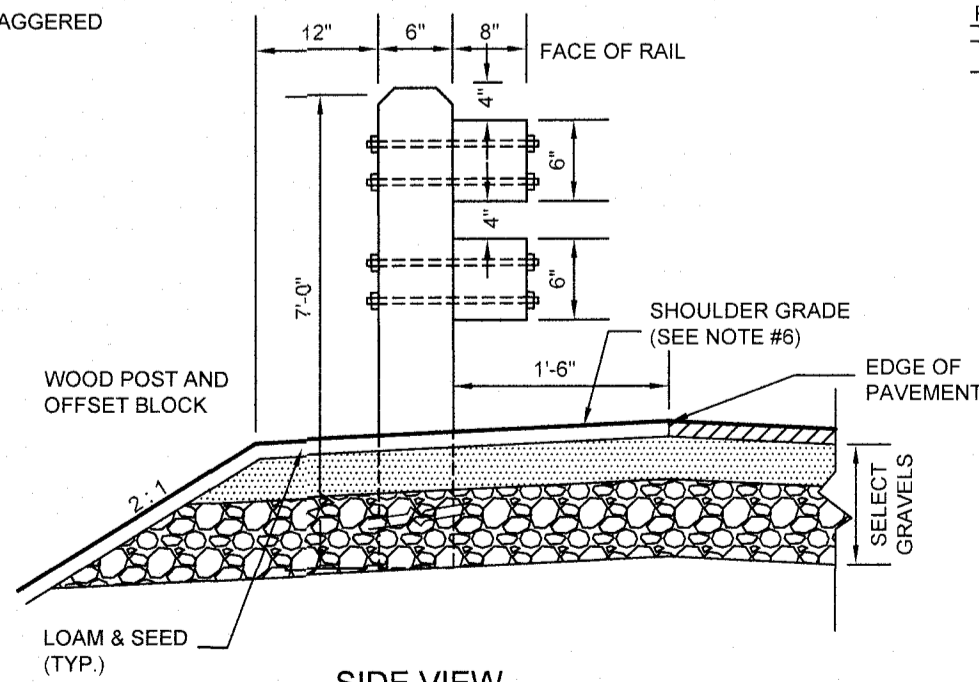
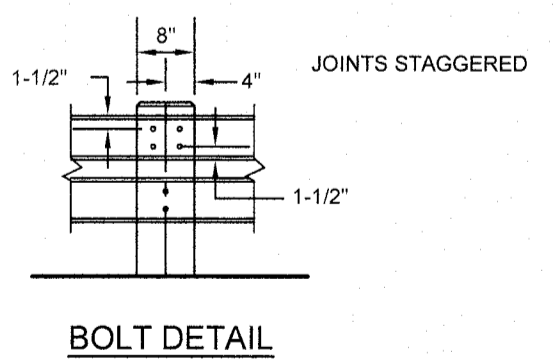
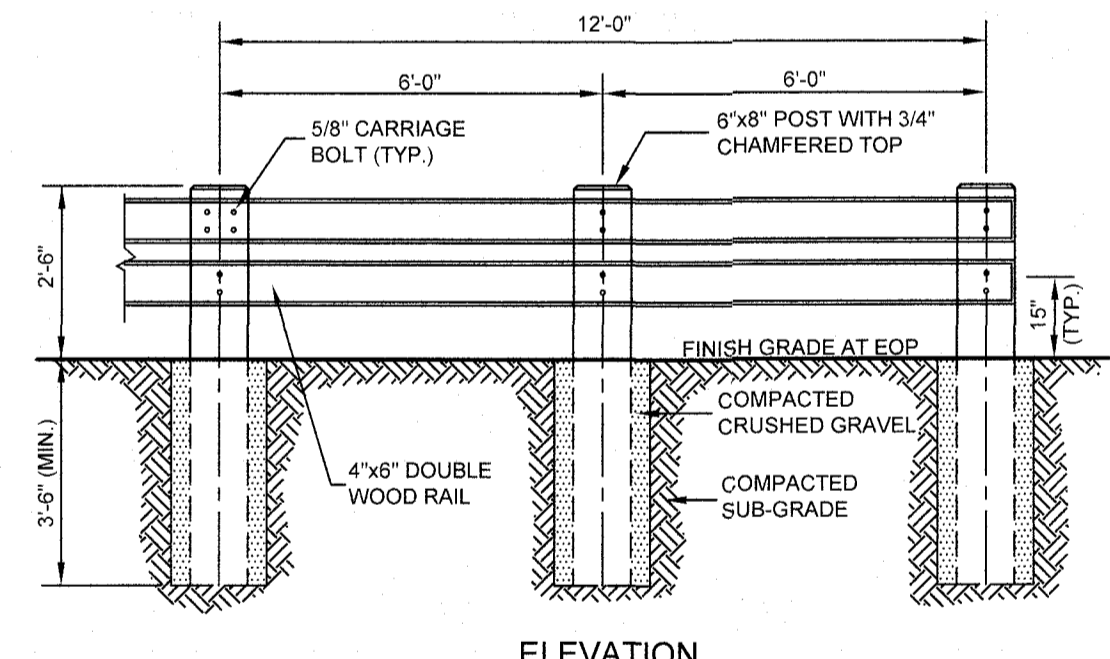
- NOTES:**
- A BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP SHALL BE USED ON PORTLAND CEMENT CONCRETE RAMPS.
  - MAINTAIN THE NORMAL PAVEMENT PROFILE THROUGHOUT THE RAMP AREA.
  - MAINTAIN A MAXIMUM 1/4" OF CURB REVEAL AT THE RAMP. SEE SECTION A-A

SIDEWALK RAMP  
NOT TO SCALE  
(JUNE 2012)



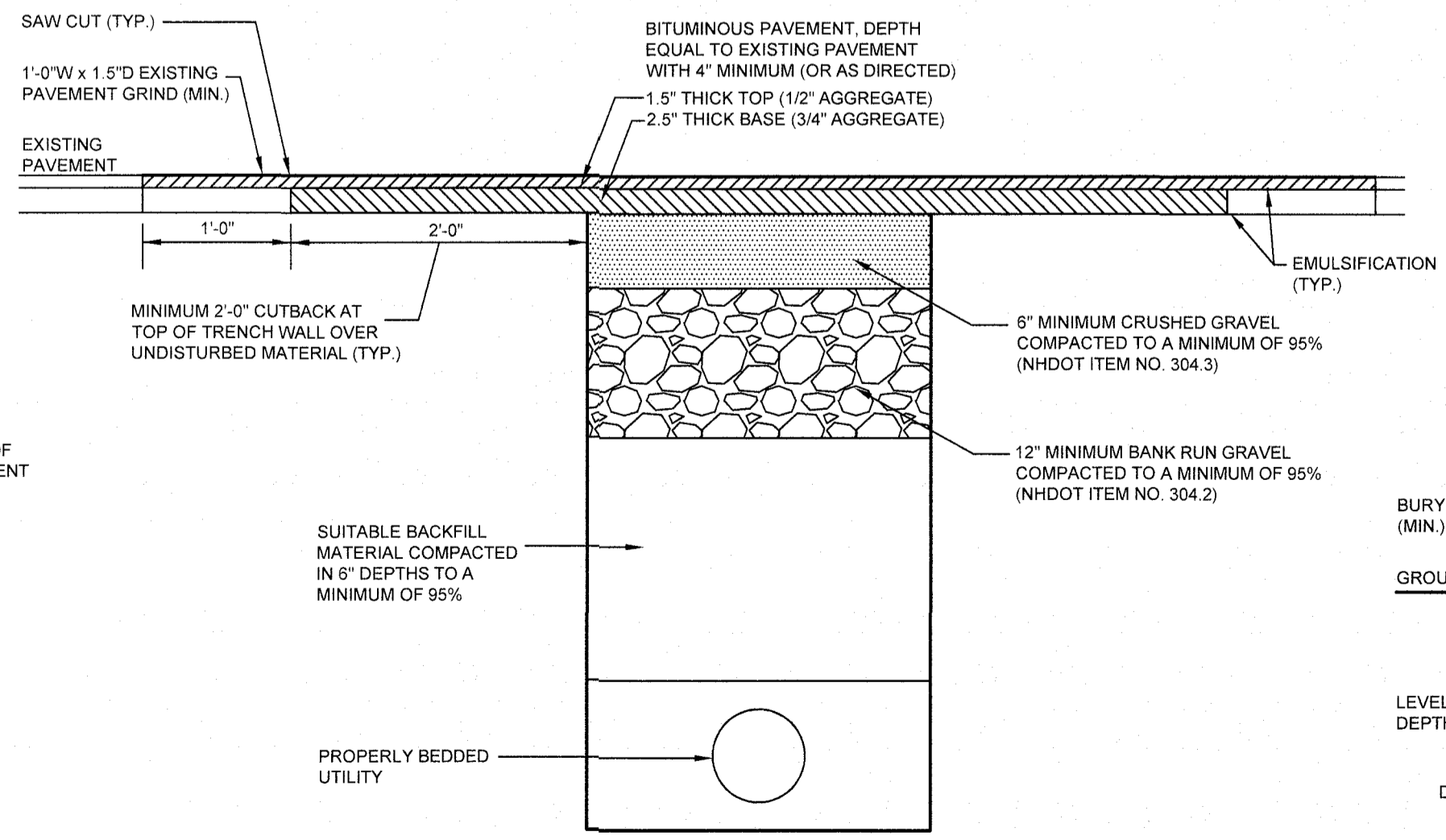
- RIP RAP SLOPE NOTES:**
- PLACE FILTER FABRIC UNDER RIP RAP.
  - STONES SHALL BE ANGULAR WITH FLAT FACE UP.
  - START AT BASE OF SLOPE PLACING LARGEST STONES.

RIP RAP LINED SLOPE DETAIL  
NOT TO SCALE  
(MARCH 2008)

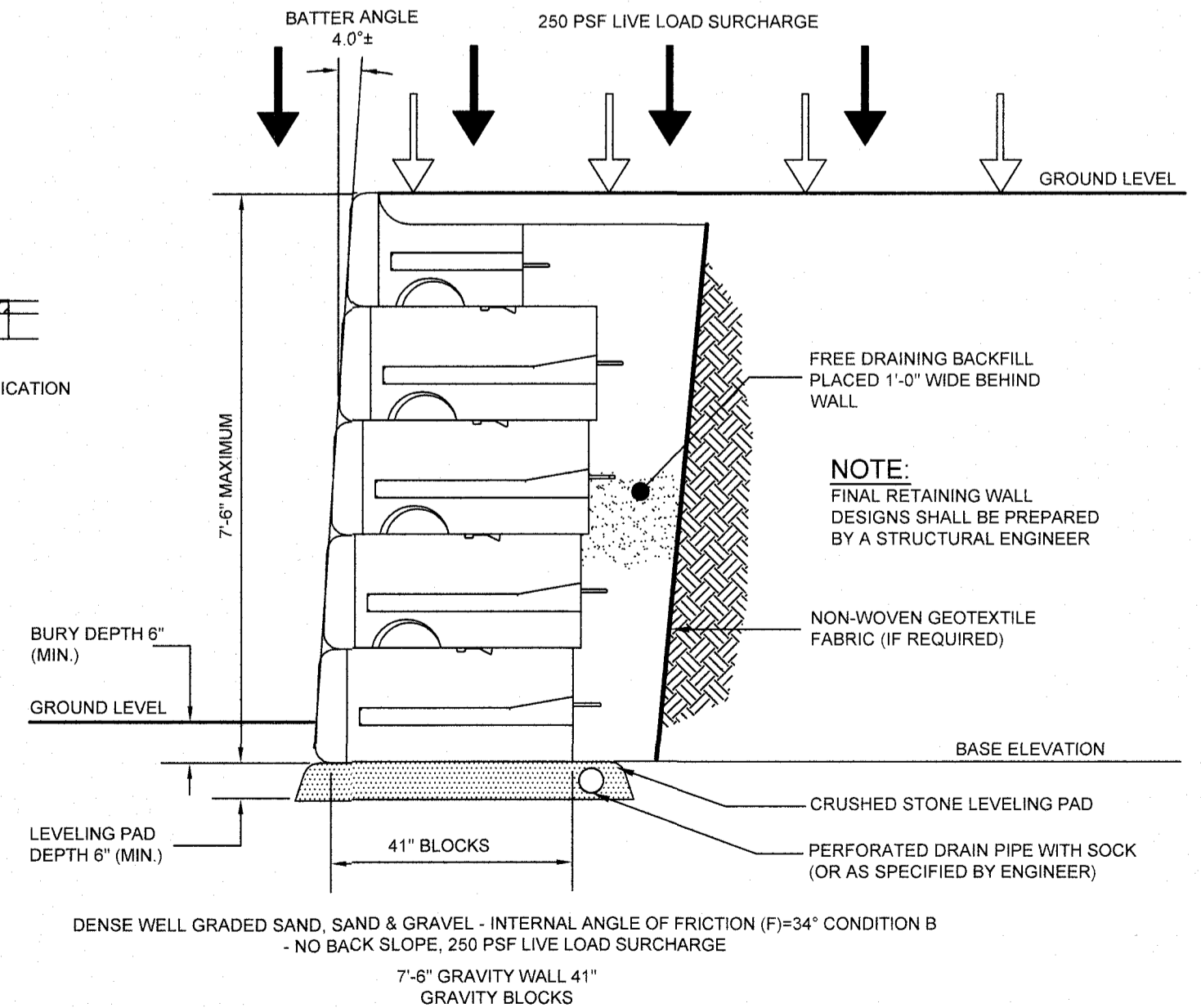


- NOTES:**
- ALL TIMBERS SHALL BE PRESSURE TREATED.
  - PAY LIMIT = PER LINEAR FOOT INCLUDING END SECTION.
  - ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED.

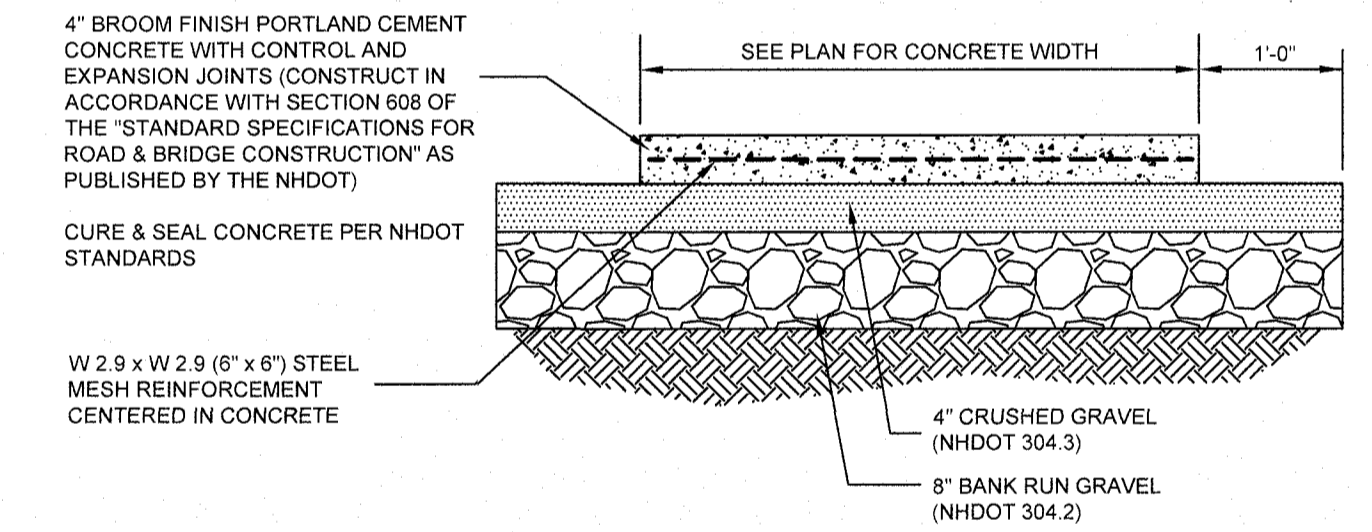
WOOD BEAM GUARDRAIL  
NOT TO SCALE  
(AUGUST 2011)



PERMANENT PAVEMENT REPAIR  
NOT TO SCALE  
(MARCH 2008)



REDI-ROCK WALL  
NOT TO SCALE  
(AUGUST 2011)



CONCRETE WALK DETAIL  
NOT TO SCALE  
(MARCH 2008)

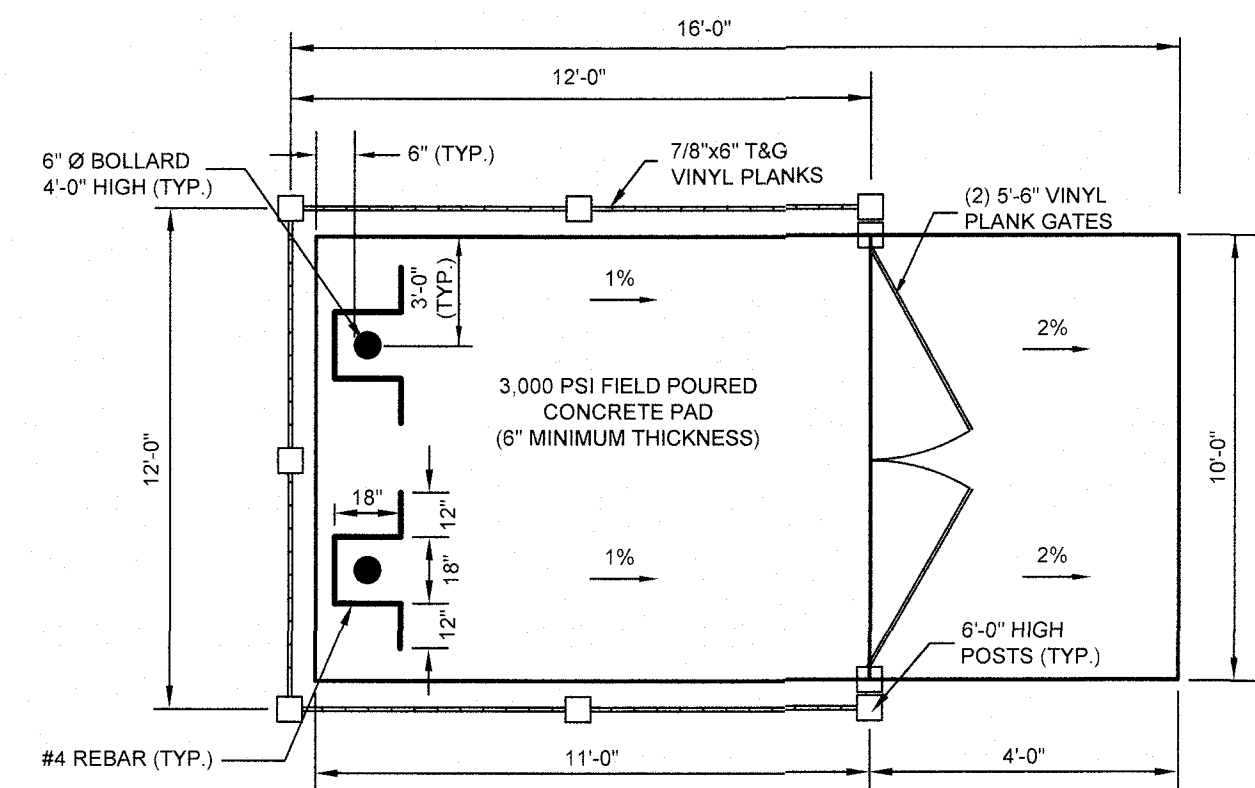
**CONSTRUCTION DETAILS**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

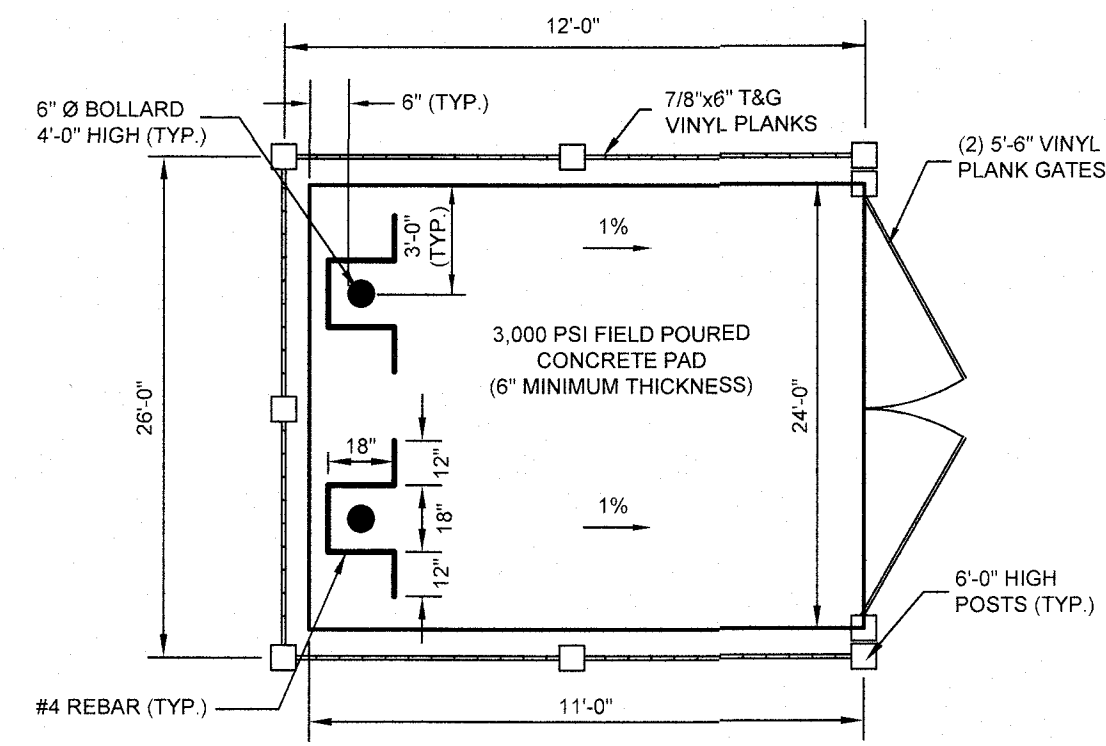
**KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

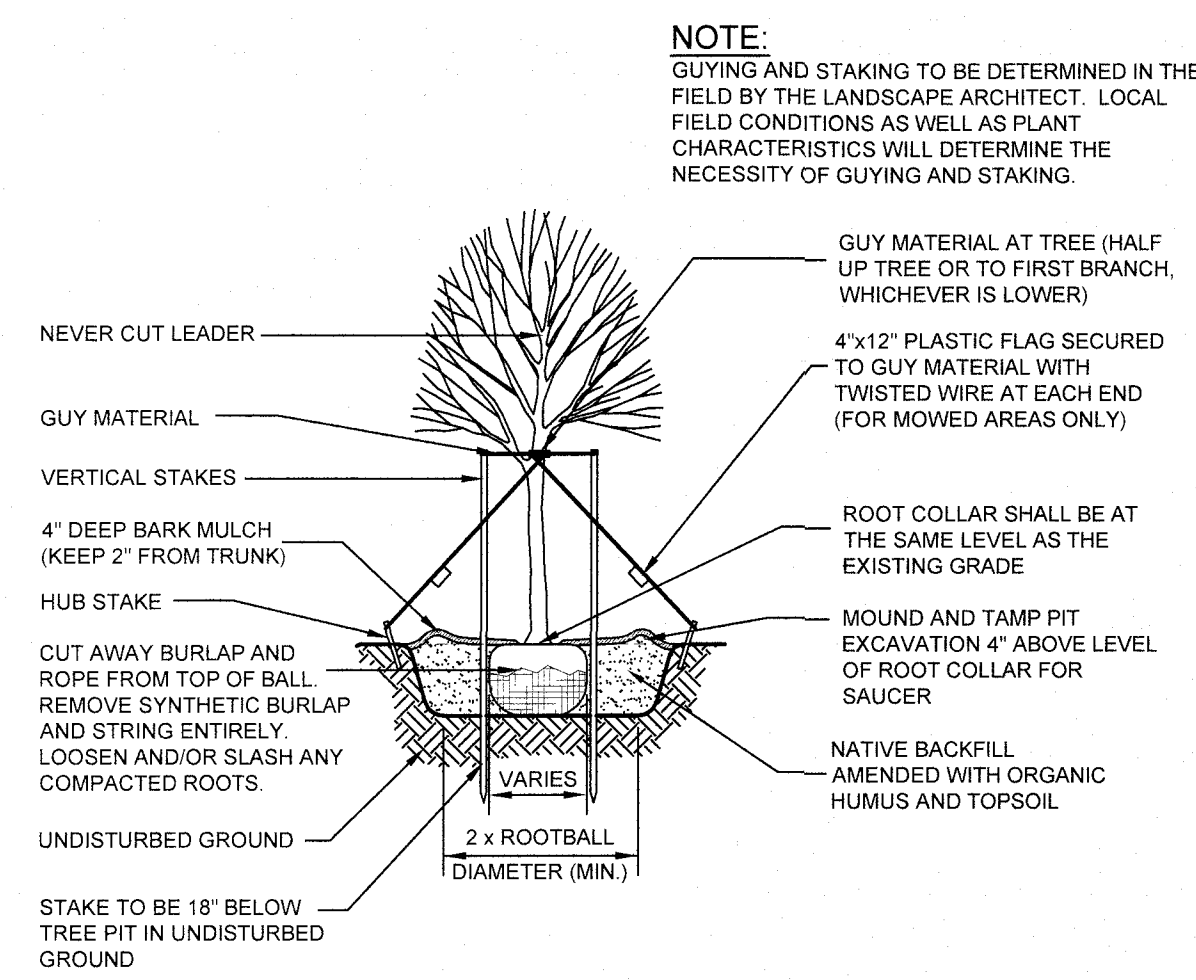
DATE: FEBRUARY 9, 2023      SCALE: AS NOTED  
PROJECT NO: 21-1216-1      SHEET 37 OF 46



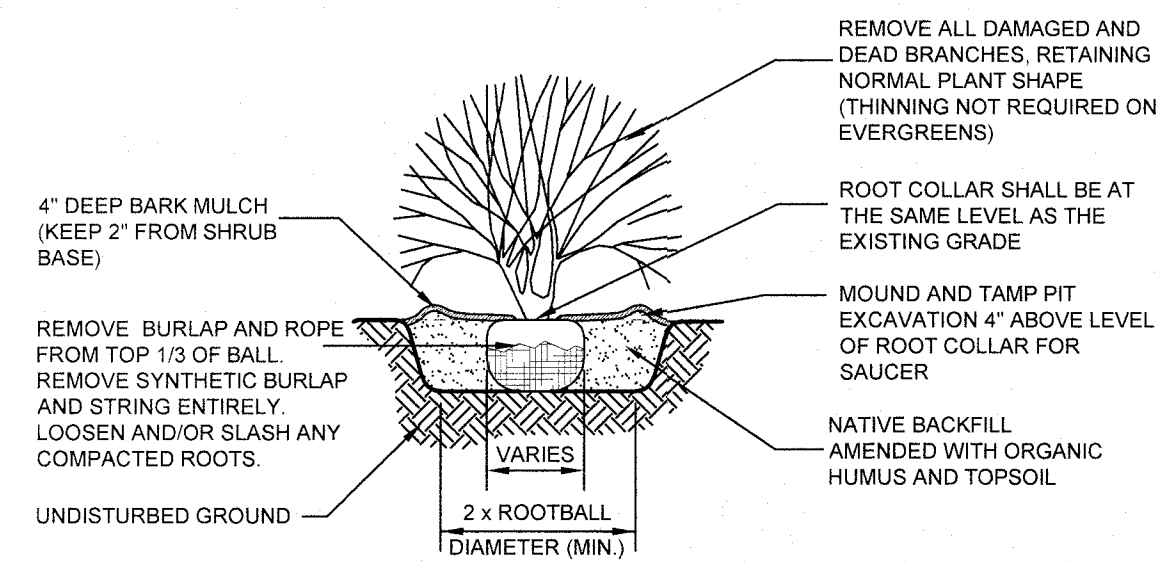
**VINYLA TRASH ENCLOSURE DETAIL (SINGLE)**  
NOT TO SCALE  
(MARCH 2008)



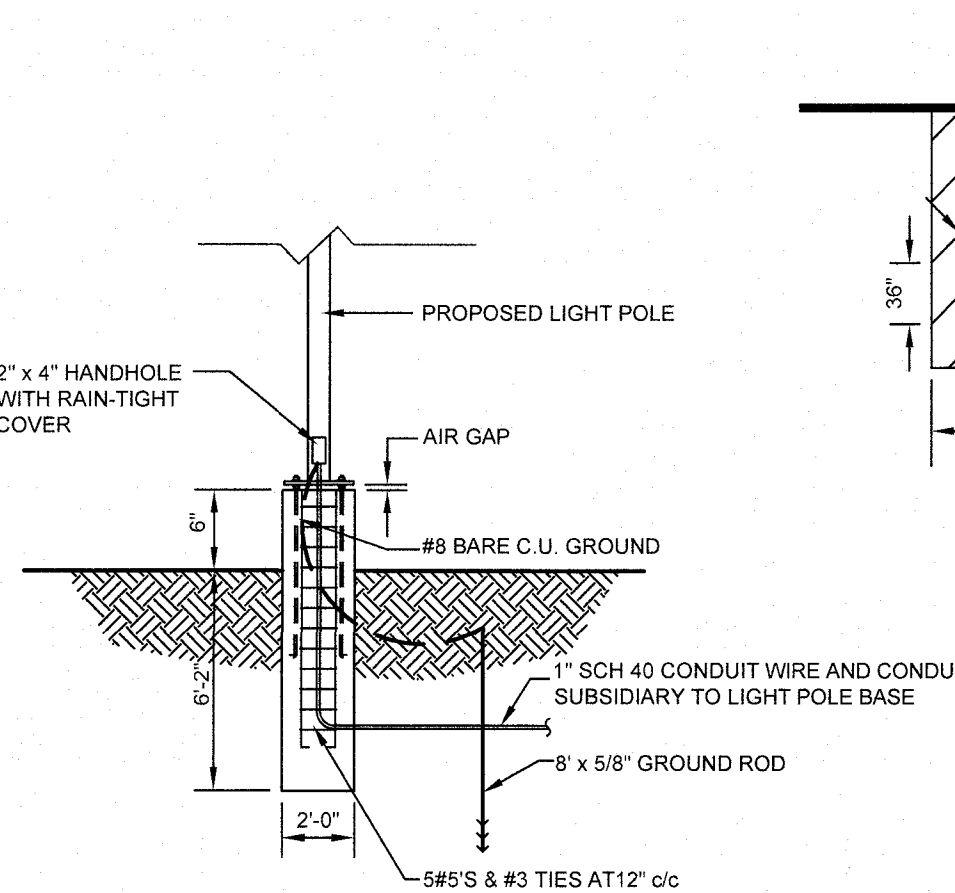
**VINYLA TRASH ENCLOSURE DETAIL (DOUBLE)**  
NOT TO SCALE  
(MARCH 2008)



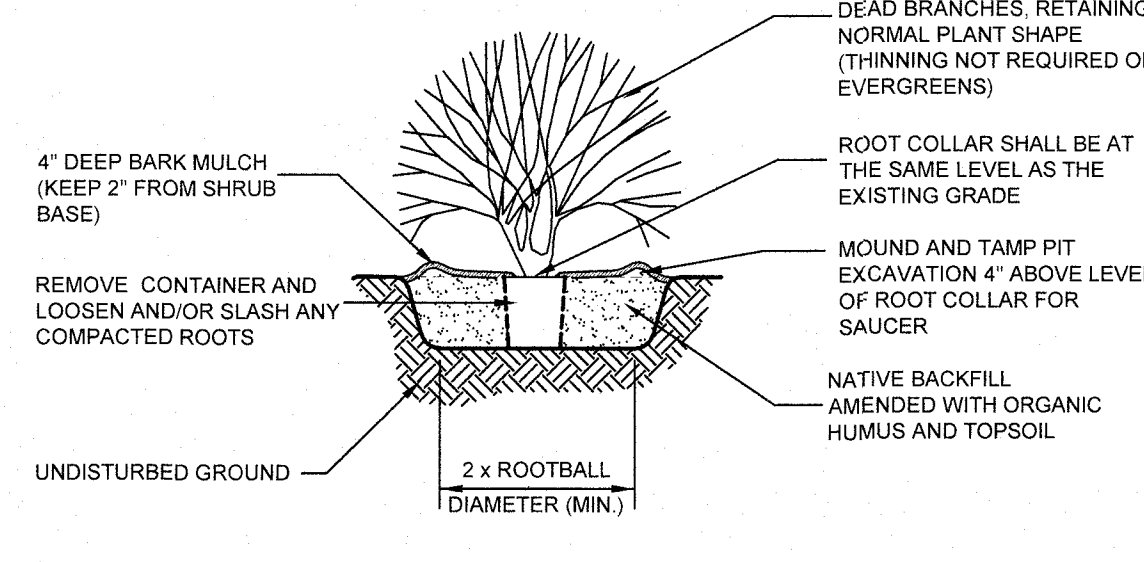
**DECIDUOUS TREE PLANTING DETAIL**  
NOT TO SCALE  
(JANUARY 2012)



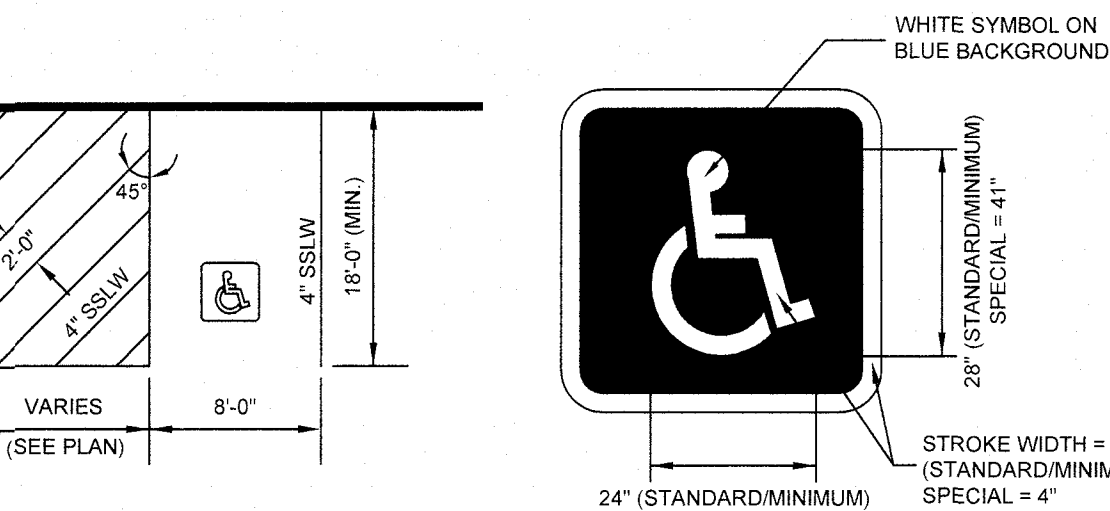
**BALLED & BURLAP SHRUB PLANTING DETAIL**  
NOT TO SCALE  
(JANUARY 2012)



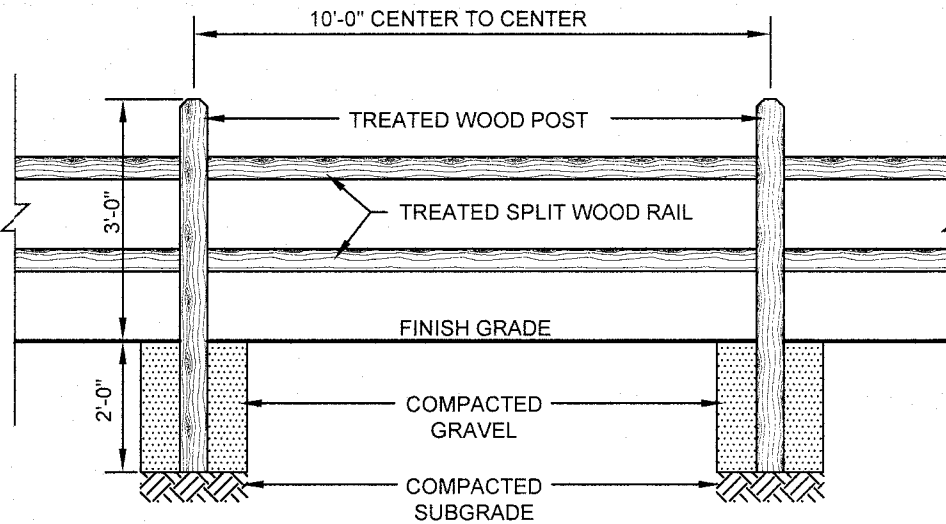
**CONCRETE LIGHT POLE BASE DETAIL**  
NOT TO SCALE  
(MARCH 2008)



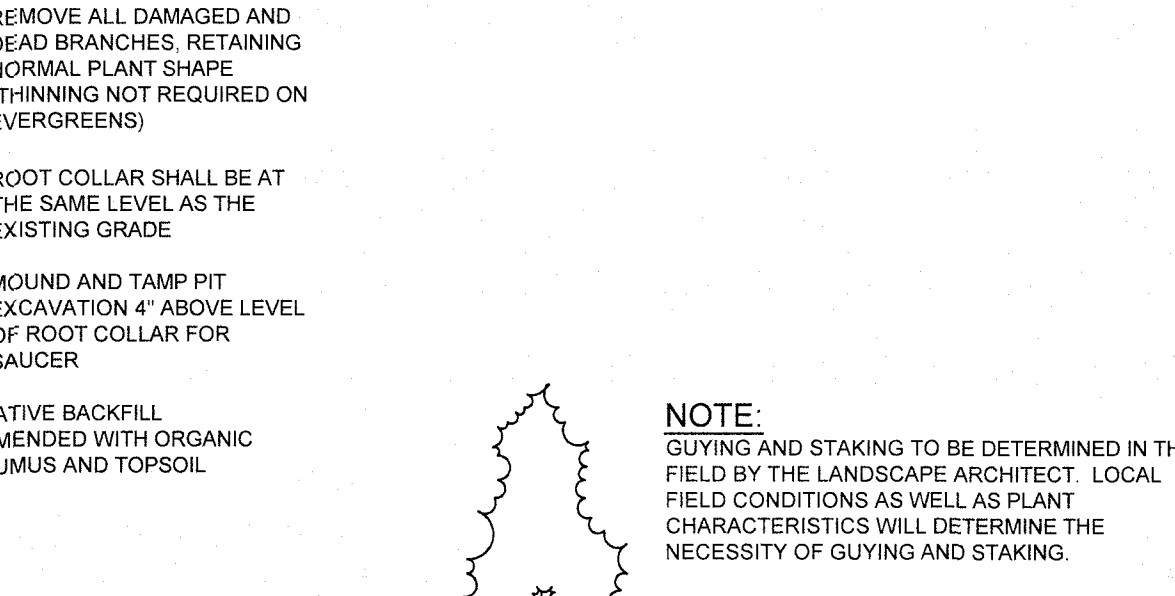
**CONTAINER SHRUB PLANTING DETAIL**  
NOT TO SCALE  
(JANUARY 2012)



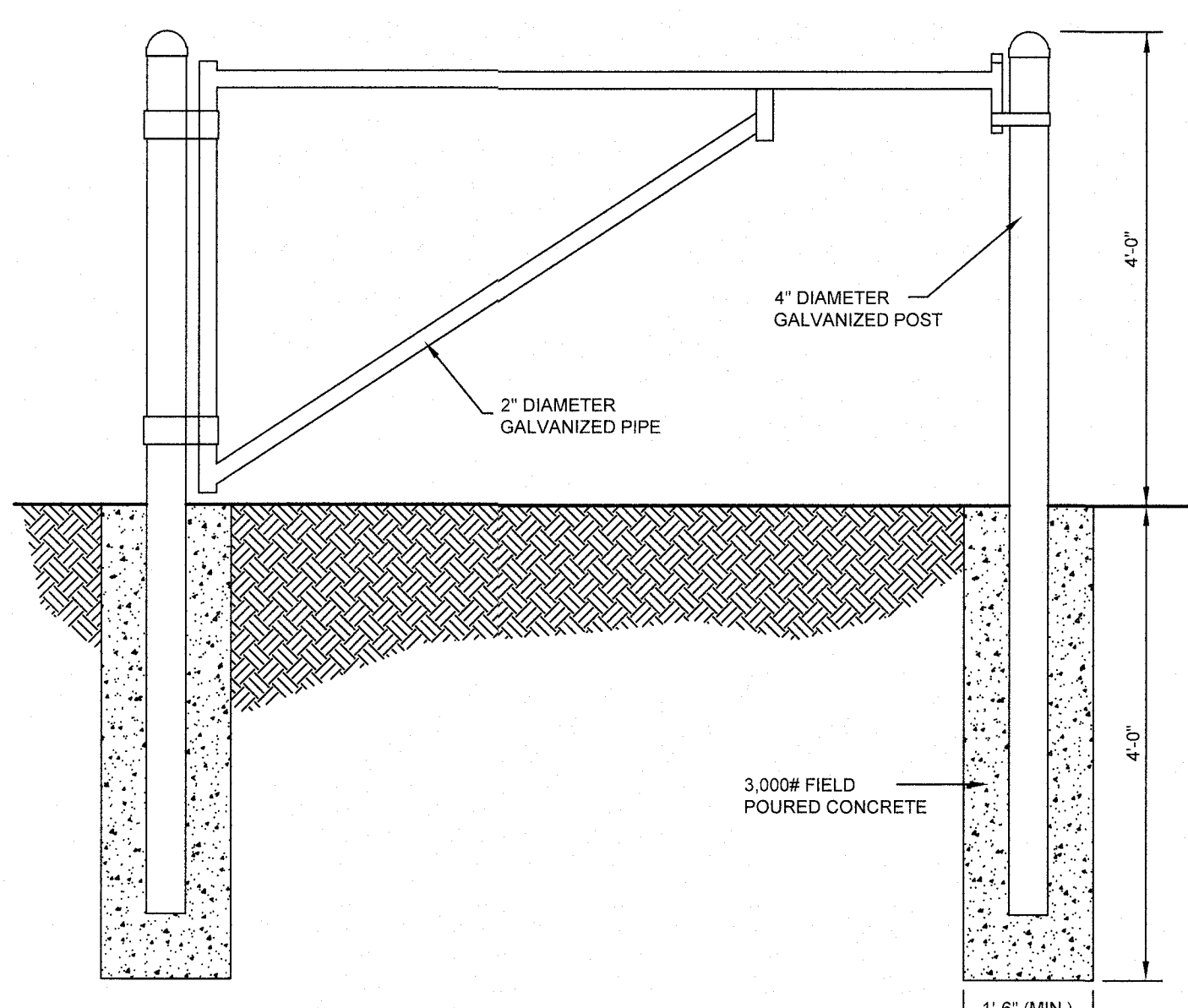
**HANDICAP STRIPING DETAIL**  
NOT TO SCALE  
(MARCH 2012)



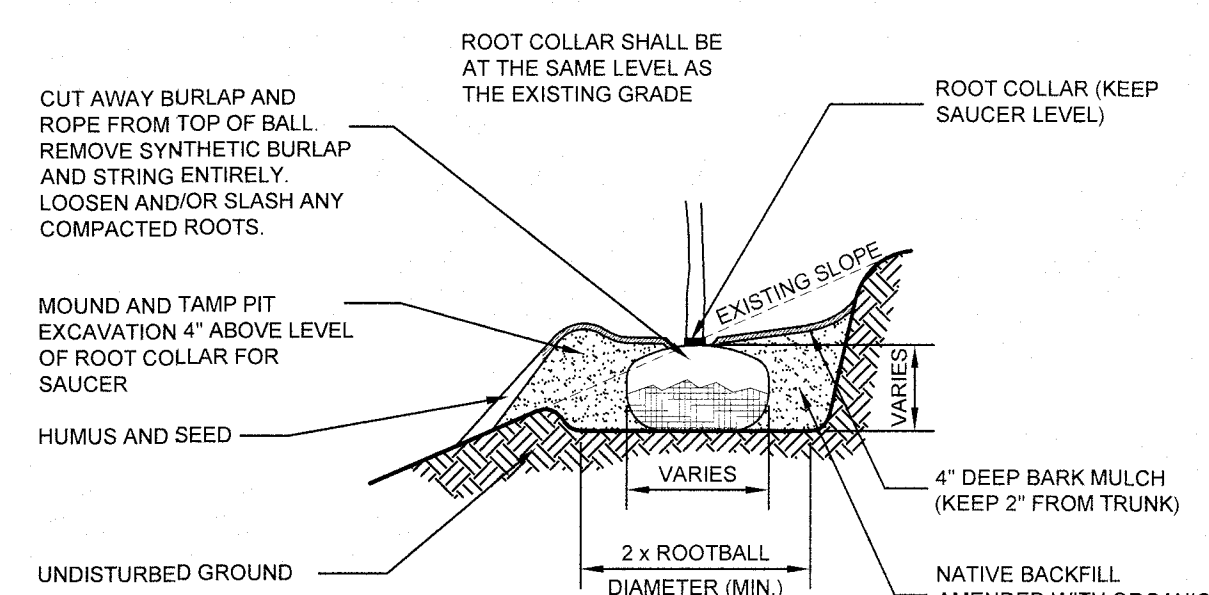
**SPLIT RAIL FENCE DETAIL**  
NOT TO SCALE  
(MARCH 2008)



**EVERGREEN TREE PLANTING DETAIL**  
NOT TO SCALE  
(JANUARY 2012)

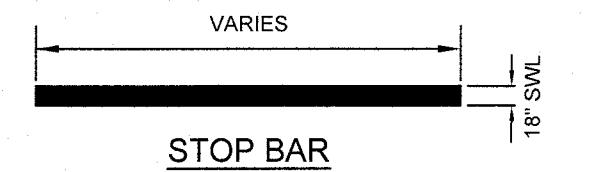


**GALVANIZED GATE DETAIL**  
NOT TO SCALE  
(MARCH 2008)

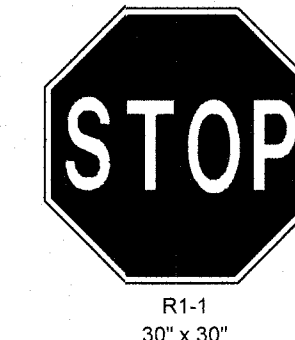


**TYPICAL PLANTING PIT ON SLOPE 4:1 OR GREATER**  
NOT TO SCALE  
(JANUARY 2012)

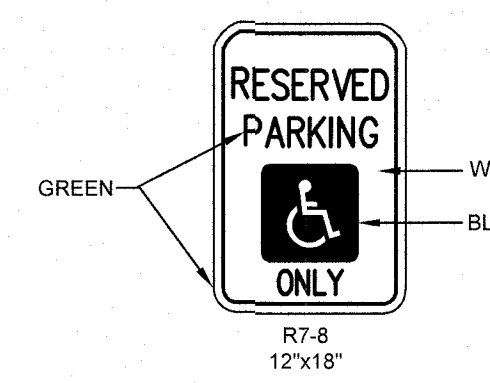
- STRIPING NOTES:**
1. ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THESE STANDARDS AND THE CURRENT EDITION OF MUTCD.
  2. WIDTH OF LINES SHALL VARY NO MORE THAN 1/4 INCH FROM THAT SPECIFIED.
  3. THE WET FILM THICKNESS OF A PAINTED LINE SHALL BE A MINIMUM OF 15 MILS THROUGHOUT THE ENTIRE WIDTH AND LENGTH OF LINE SPECIFIED.
  4. OVERSPRAY SHALL BE KEPT TO AN ABSOLUTE MINIMUM.
  5. BROKEN LINES SHALL BEGIN AND END WITH THE NEAREST FULL CYCLE OF BROKEN LINE.
  6. SOLID LONGITUDINAL LINES SHALL BEGIN AND END WITHIN +2 INCHES OF A LAYOUT SYMBOL INDICATING THE END OF THE LINE, OR WITH A FULL CYCLE OF BROKEN LINE (IF APPROPRIATE).



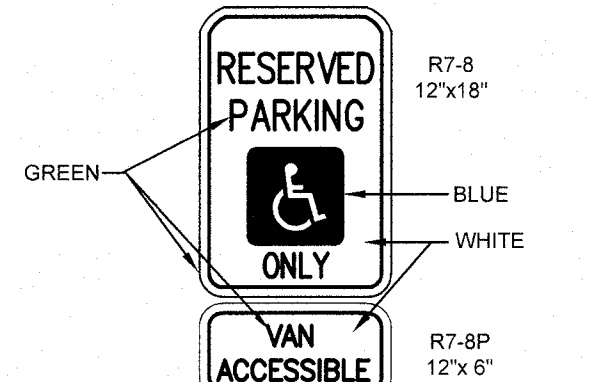
- TRAFFIC SIGN NOTES:**
1. ALL TRAFFIC SIGN FACES AND SHAPES SHALL CONFORM WITH THE MUTCD.
  2. ALL SIGN POST MOUNTS SHALL CONFORM WITH THE AASHTO AND NHDOT SPECIFICATIONS.



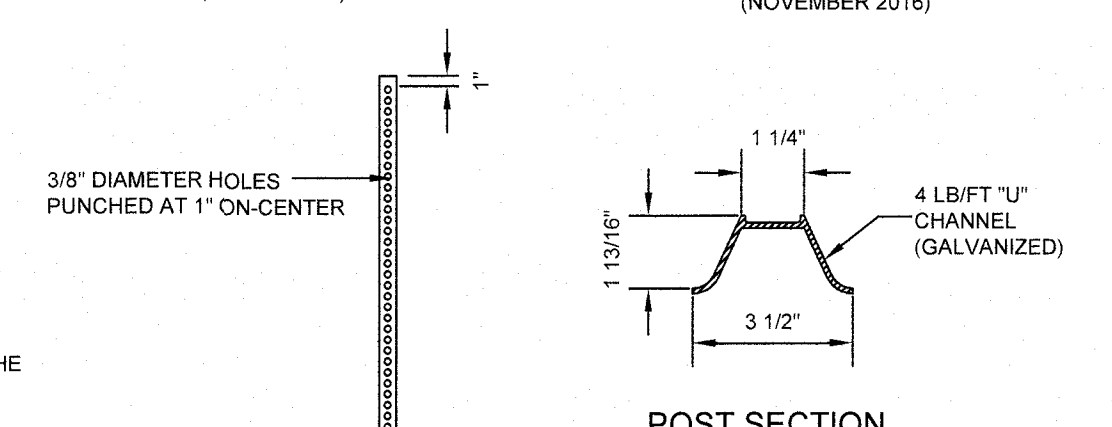
**STOP SIGN DETAIL**  
NOT TO SCALE  
(MARCH 2008)



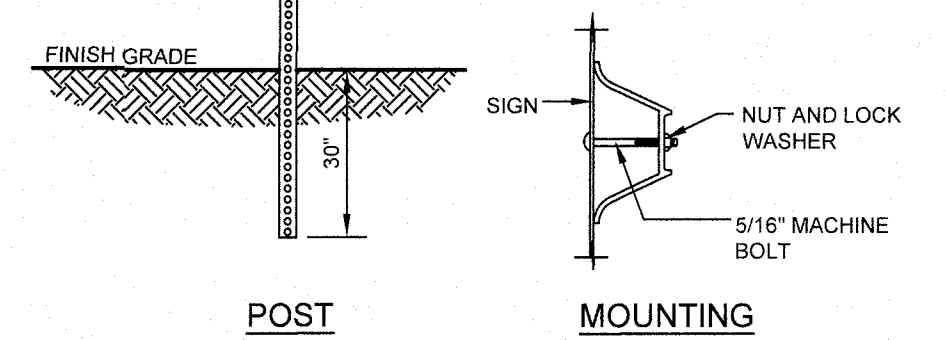
**RESERVED HANDICAP PARKING SIGN DETAIL**  
NOT TO SCALE  
(MARCH 2008)



**VAN ACCESSIBLE HANDICAP PARKING SIGN DETAIL**  
NOT TO SCALE  
(NOVEMBER 2016)



**POST SECTION**



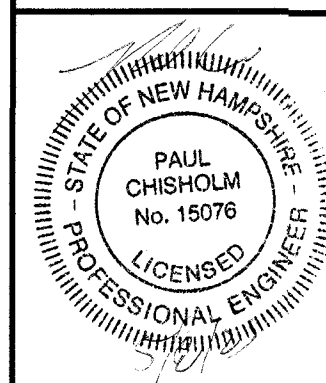
**STEEL SIGN POST DETAIL**  
NOT TO SCALE  
(MARCH 2008)

**CONSTRUCTION DETAILS**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

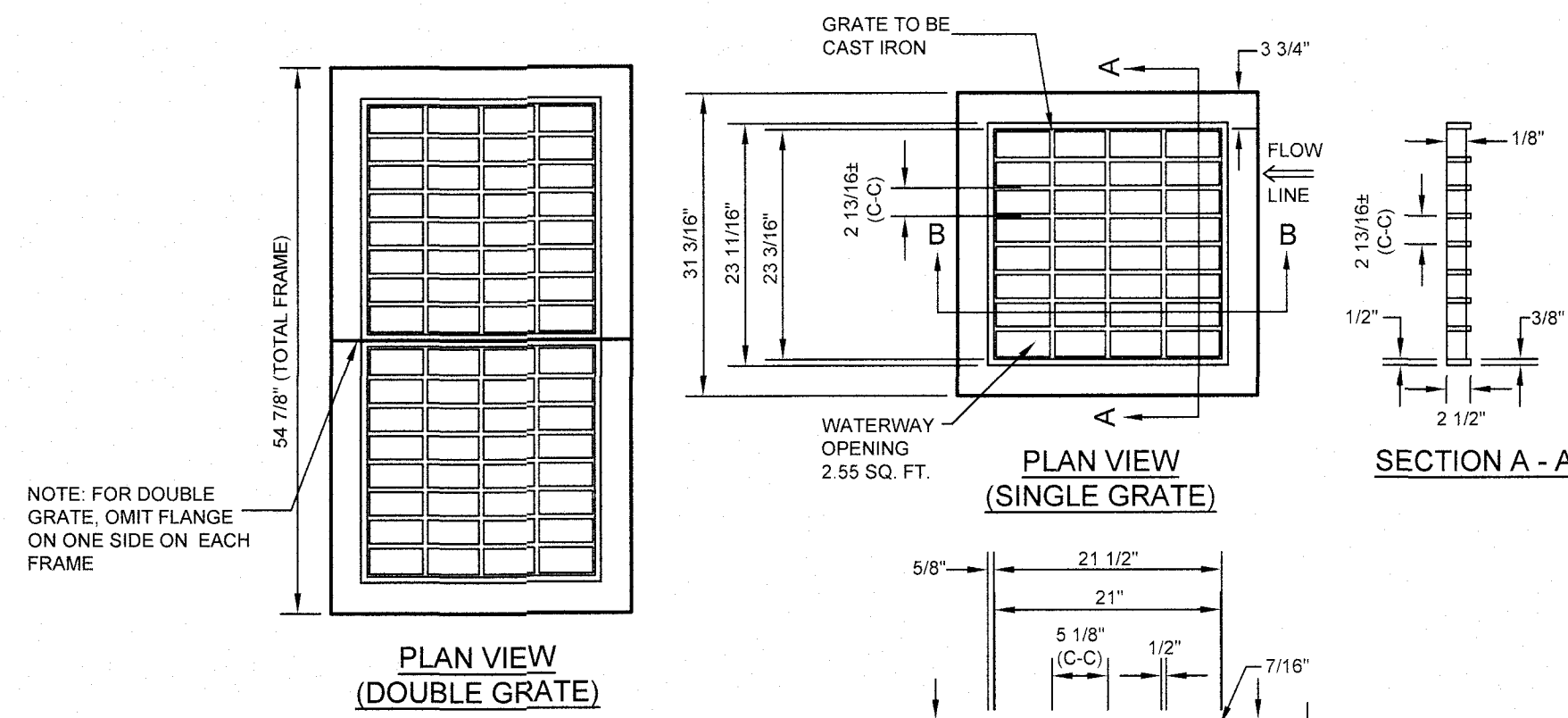
**OWNER/APPLICANT:**  
TM BOLDUJ HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**K&A KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2801



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: AS NOTED  
PROJECT NO: 21-1216-1 SHEET 38 OF 46

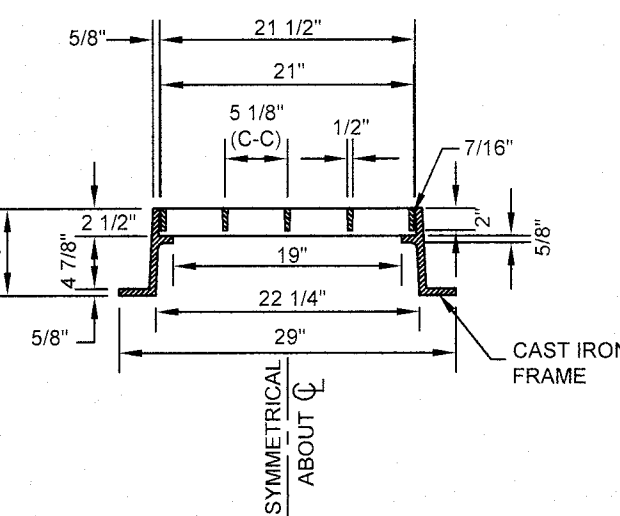


PLAN VIEW (SINGLE GRATE)

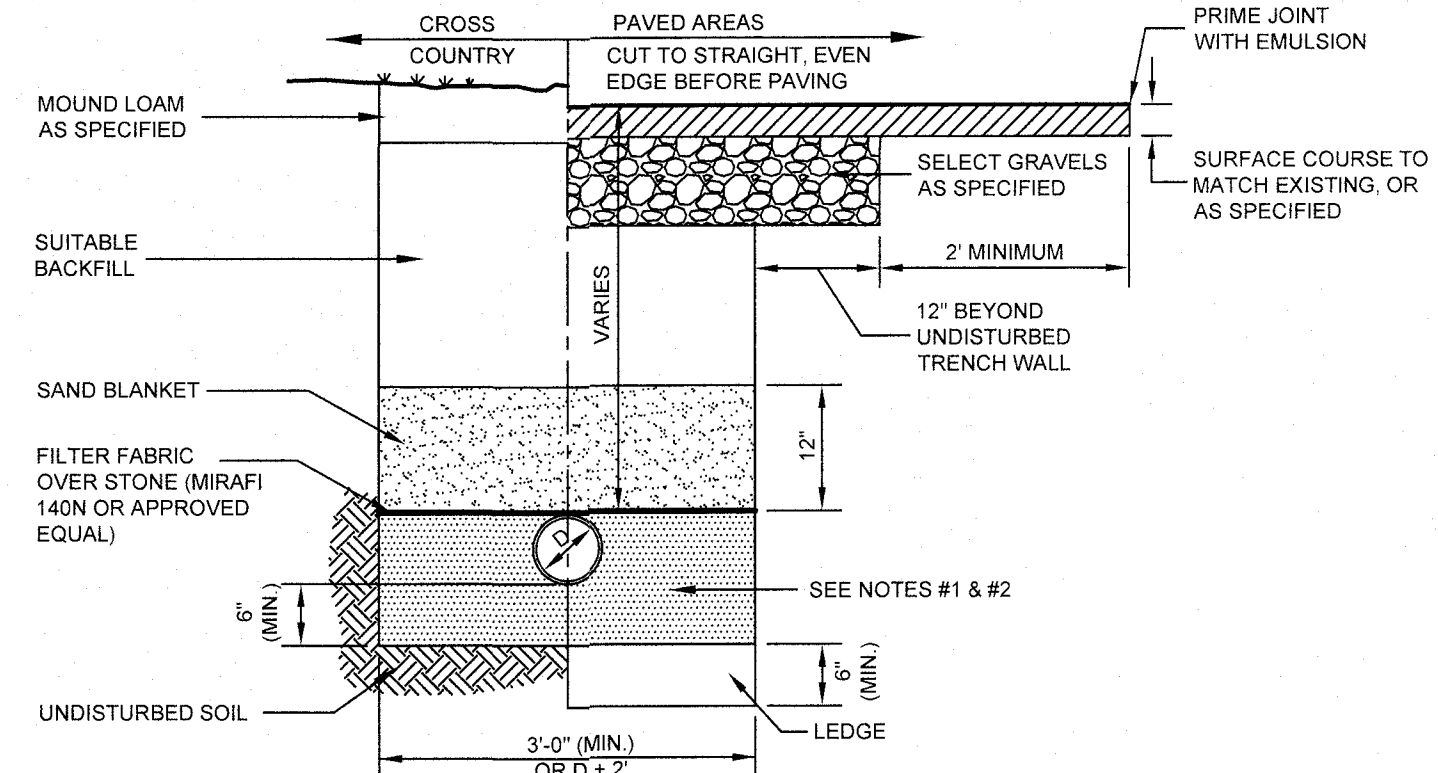
SECTION A - A



PLAN VIEW (DOUBLE GRATE)



SECTION B - B  
TYPE B FRAME & GRATE DETAIL  
NOT TO SCALE  
(MARCH 2008)

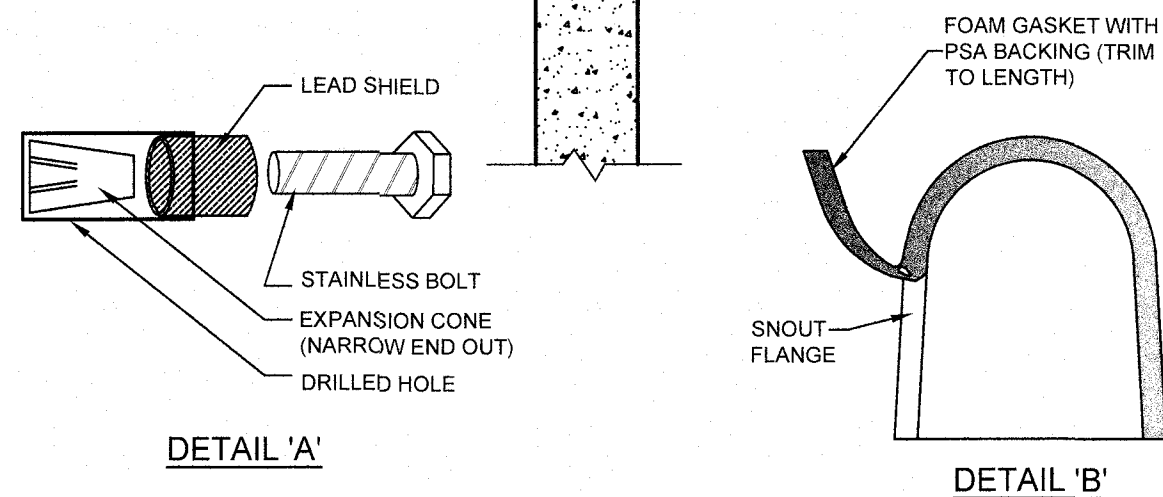


STORM DRAINAGE TRENCH DETAIL  
NOT TO SCALE  
(MARCH 2008)

- NOTES:
- THOROUGHLY COMPACTED SCREENED GRAVEL FOR RCP PIPE. SCREENED GRAVEL TO EXTEND TO SELECT FILL LINE.
  - FOR HDPE OR PVC PIPE, BEDDING SHALL BE 3/4" STONE TO THE TOP OF THE PIPE.

NOTE:

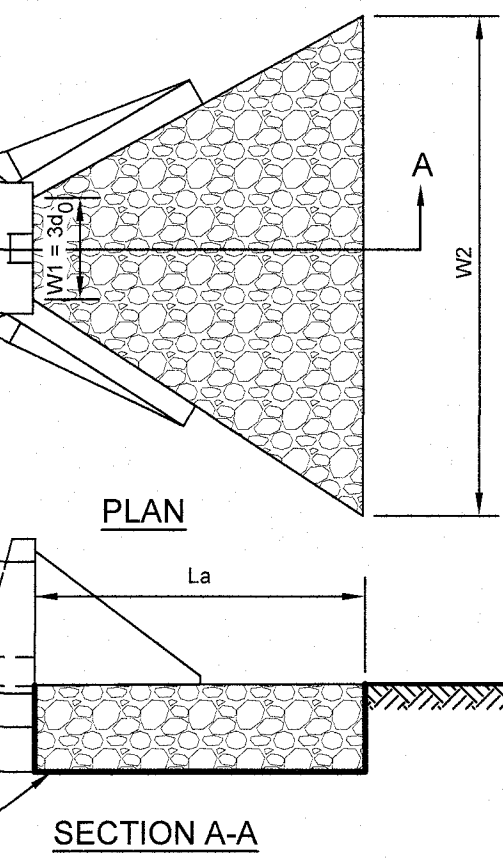
POSITION HOOD SO THAT BOTTOM FLANGE OF SNOOT IS 1/2 THE PIPE DIAMETER BELOW THE BOTTOM OF THE PIPE FOR PIPES >12" I.D. FOR PIPES <10" I.D., PLACE SNOOT 6" (MIN.) BELOW BOTTOM OF PIPE.



DETAIL 'A'

DETAIL 'B'

SNOOT OIL AND DEBRIS STOP DETAIL (OR EQUAL)  
NOT TO SCALE  
(MARCH 2008)

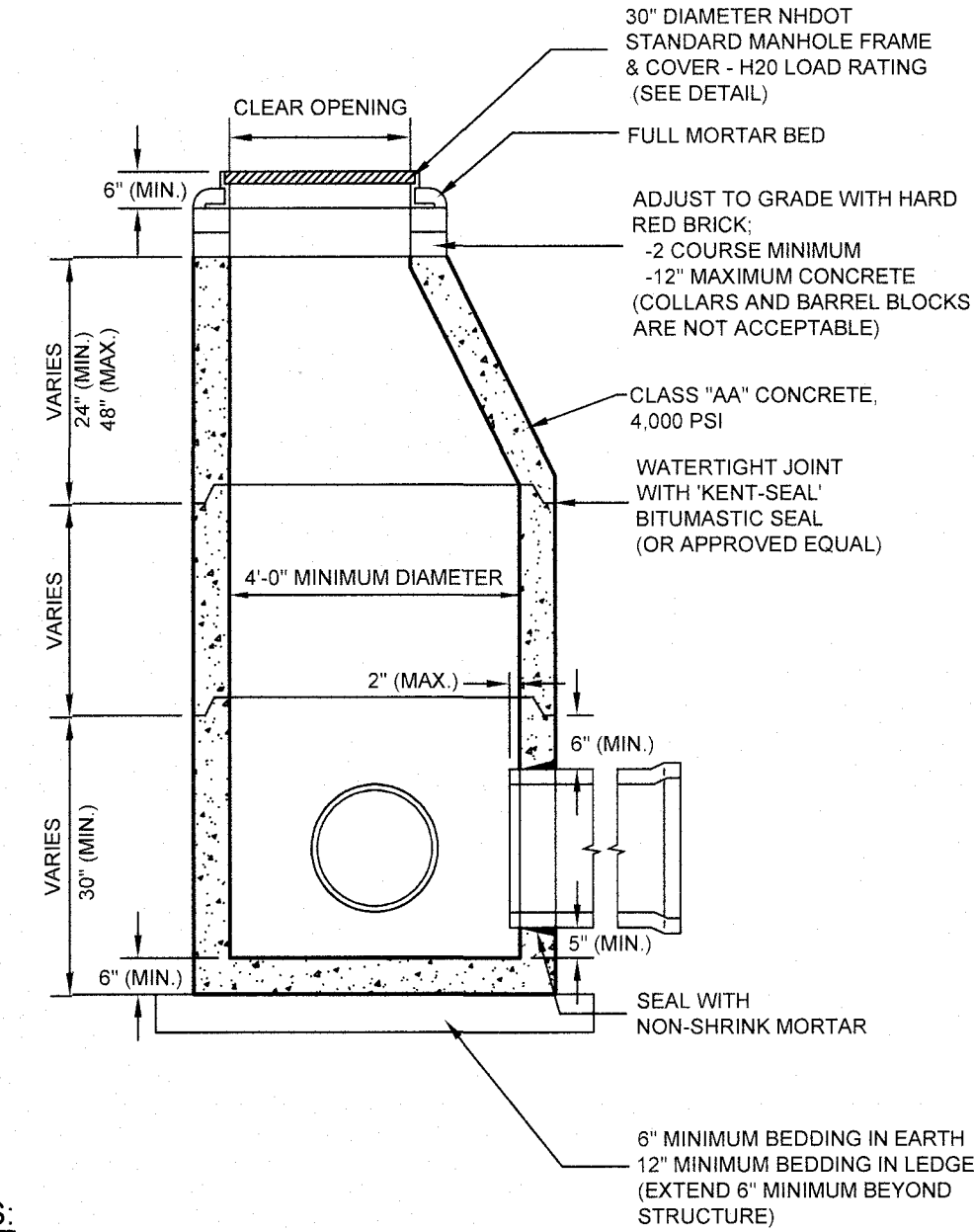


PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL  
NOT TO SCALE  
(MARCH 2008)

LOCATION	La	W1	W2	d50	DEPTH
PROP. HW#1	12'	3'	15'	3"	8"
PROP. HW#3	11'	3'	7'	3"	8"
PROP. HW#5	13'	3'	16'	3"	8"
PROP. HW#14	12'	5'	16'	3"	8"
PROP. HW#17	8'	3'	11'	3"	8"
PROP. HW#19	10'	3'	13'	3"	8"
PROP. HW#22	29'	6'	18'	4"	10"
PROP. HW#32	23'	3'	12'	3"	8"
PROP. HW#34	18'	5'	12'	3"	8"
PROP. HW#41	15'	4'	10'	3"	8"
PROP. HW#43	22'	4'	13'	3"	8"
PROP. HW#45	29'	6'	17'	3"	8"

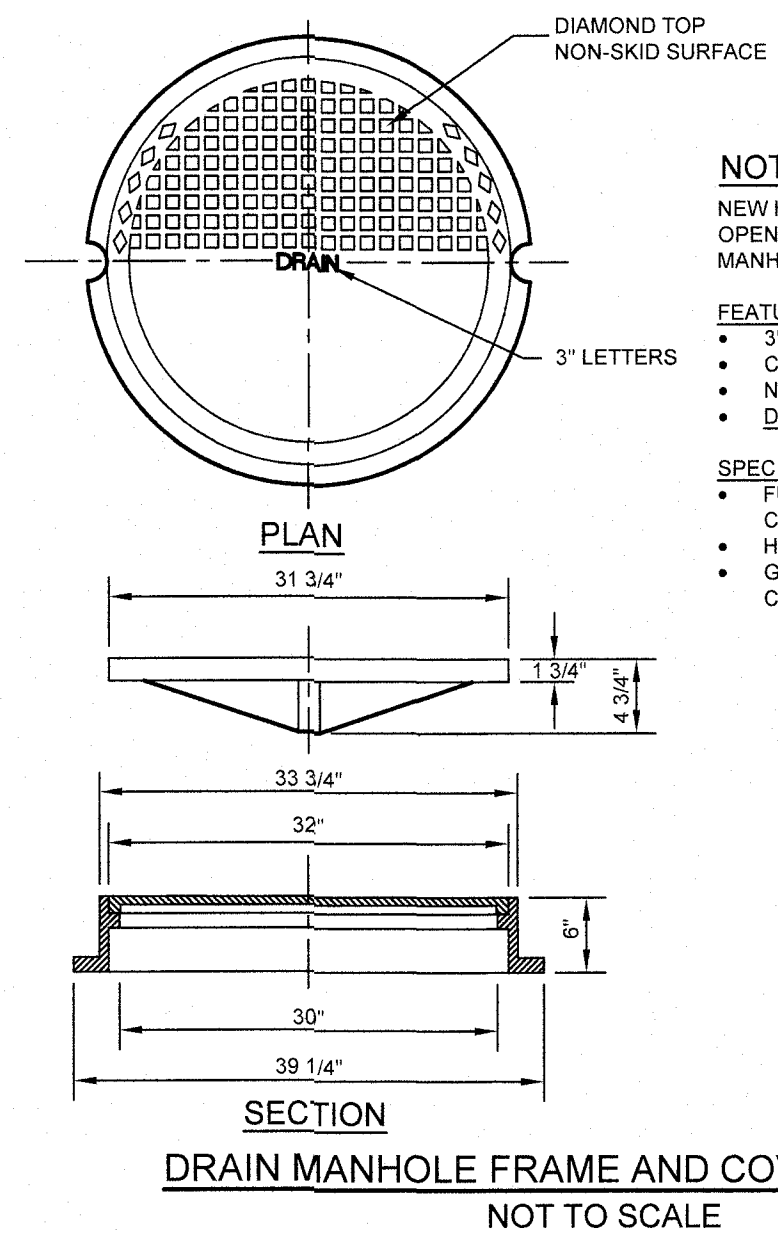
DIAMETER D (INCH)	AREA OF PIPE (SF)	MASONRY PER FOOT OF WALL (CU. YD.)	MASONRY PER HOLE (CU. FT.)	MASONRY PER STANDARD HEADER (CU. YD.)	STEEL PER STANDARD HEADER (LB)	LENGTH OF BARS	PIPE EXC. 1' DEPTH 1' LENGTH (CU. YD.)	HEADER EXC. PER HEADER 1' DEPTH (CU. YD.)	ITEM 209 PER LINEAR FOOT	HEADER LENGTH L	HEADER HEIGHT H	FILL HEIGHT FH	WIDTH AT BOTTOM OF HEADER	L" HEADWALL	
														MASONRY IN CORNER FRUSTRUM (CU. YD.)	HEADER EXC. PER HEADER 1' DEPTH (CU. YD.)
12"	0.79	0.186	1.08	0.61	9	3'-2"	0.111	0.789	0.30	3'-6"	3'-6"	10"	1'-10 1/2"	0.28	1.057
15"	1.23	0.222	1.73	0.85	11	3'-10"	0.120	0.947	0.35	4'-6"	3'-9"	1'-1"	1'-11 1/4"	0.31	1.232
18"	1.77	0.222	2.52	1.13	14	5'-2"	0.130	1.111	0.39	5'-6"	4'-0"	1'-4"	2'-0"	0.35	1.406
24"	3.14	0.260	4.71	1.78	20	7'-2"	0.148	1.451	0.48	7'-6"	4'-6"	1'-10"	2'-1 1/2"	0.42	1.776
30"	4.81	0.301	7.67	2.58	25	9'-2"	0.185	1.810	0.65	9'-6"	5'-0"	2'-4"	2'-3"	0.51	2.164

MORTAR RUBBLE MASONRY AND CONCRETE HEADWALLS  
NOT TO SCALE  
(MARCH 2008)



PRECAST REINFORCED DRAIN MANHOLE DETAIL  
NOT TO SCALE  
(MARCH 2008)

- NOTES:
- STEPS ARE NOT ALLOWED.
  - ALL SECTIONS SHALL BE CONCRETE CLASS AA (4,000 PSI). CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ. IN. PER L.F. IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER OF THE WALL.
  - THE TONGUE OR GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER L.F.
  - MATERIALS AND CONSTRUCTION TO NHDOT STANDARDS.

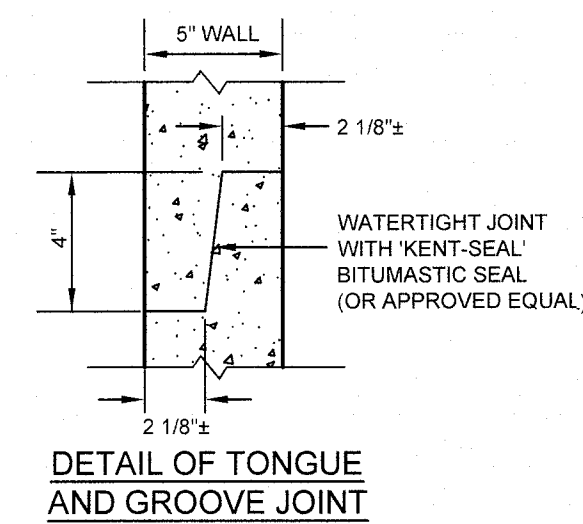


DRAIN MANHOLE FRAME AND COVER DETAIL  
NOT TO SCALE

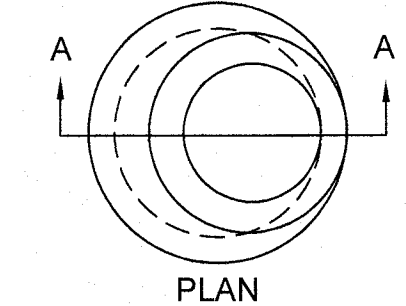
- NOTES:
- NEW HAMPSHIRE MAINTAINS A CLEAR OPENING DESIGNATION OF 30" FOR ITS MANHOLE CASTINGS.
- FEATURES:
- 3" LETTERING
  - COVERS MARKED DRAIN
  - NONROCKING COVER
  - DIAMOND SURFACE DESIGN
- SPECIFICATIONS:
- FULLY MACHINED FRAME AND COVER
  - H-20 LOAD RATED
  - GRAY CAST IRON MEETS ASTM A48 CLASS 30

NOTES:

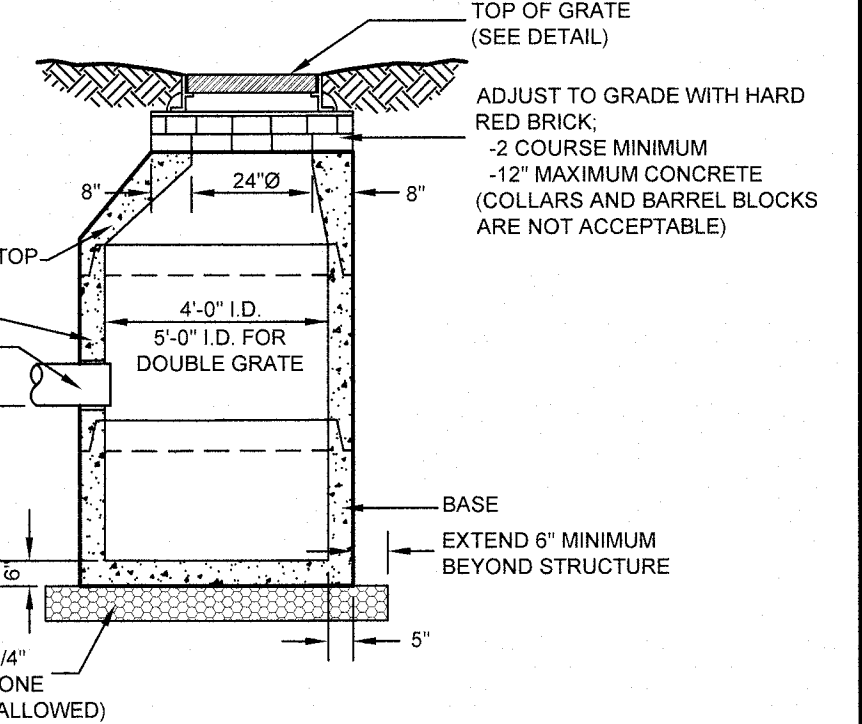
- ALL SECTIONS SHALL BE CONCRETE CLASS AA (4,000 PSI). CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCH PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
- THE TONGUE OR GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCH PER LINEAR FOOT.
- RISE OF 1", 2", 3" & 4" CAN BE USED TO REACH DESIRED DEPTH.
- MATERIALS AND CONSTRUCTION TO NHDOT STANDARDS.



DETAIL OF TONGUE AND GROOVE JOINT



PLAN



SECTION A-A

PRECAST REINFORCED CATCH BASIN  
NOT TO SCALE  
(MAY 2012)

PERCENT OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE
100%	1.5 TO 2.0 d50
85%	1.3 TO 1.8 d50
50%	1.0 TO 1.5 d50
15%	0.3 TO 0.5 d50

CONSTRUCTION SPECIFICATIONS:

- THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- FRACTURED ROCK USED FOR FILTER OR RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- 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.
- STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

MAINTENANCE:

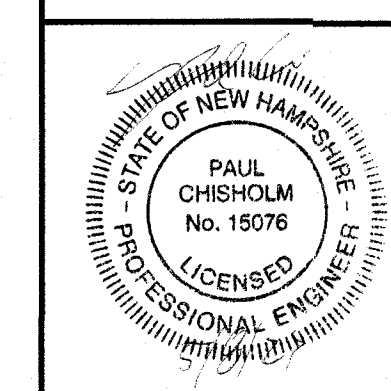
THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR RAIN EVENT. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED, OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

CONSTRUCTION DETAILS  
THE Q AT MILFORD  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

OWNER OF RECORD:  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

OWNER/APPLICANT:  
TM BOLDUC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

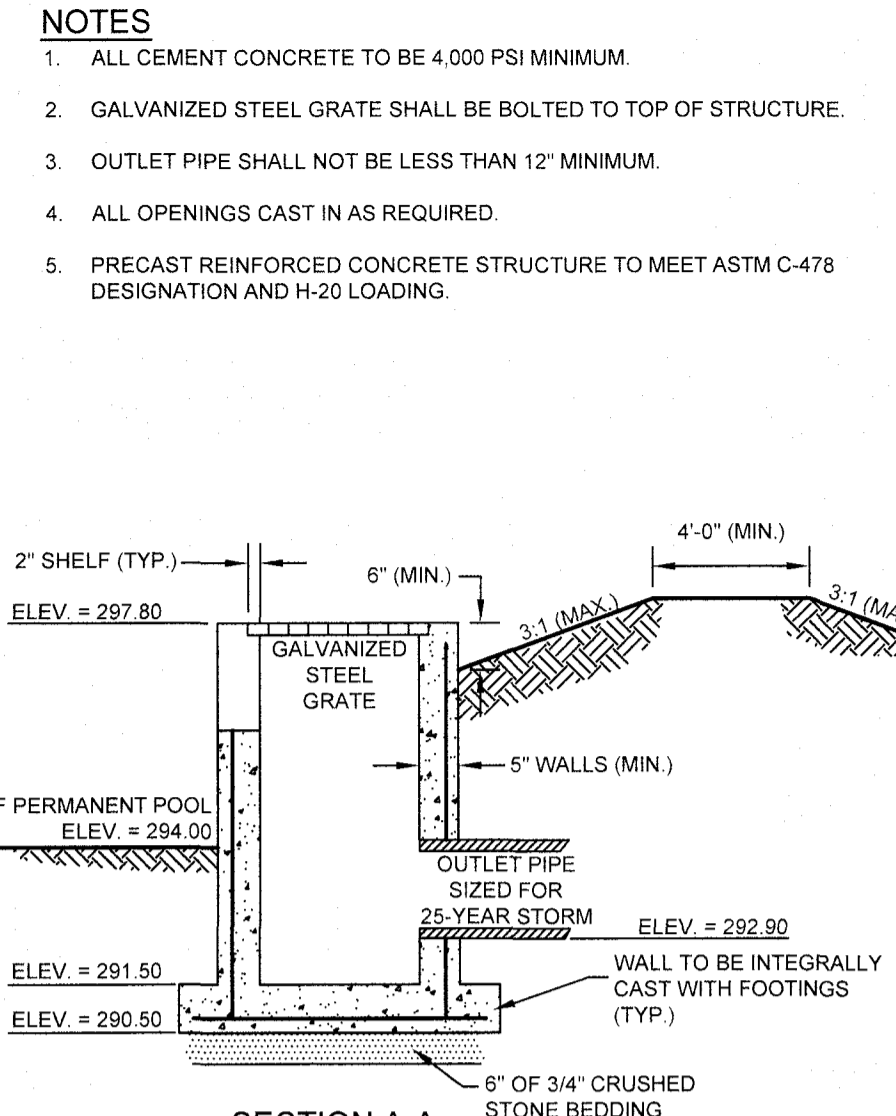
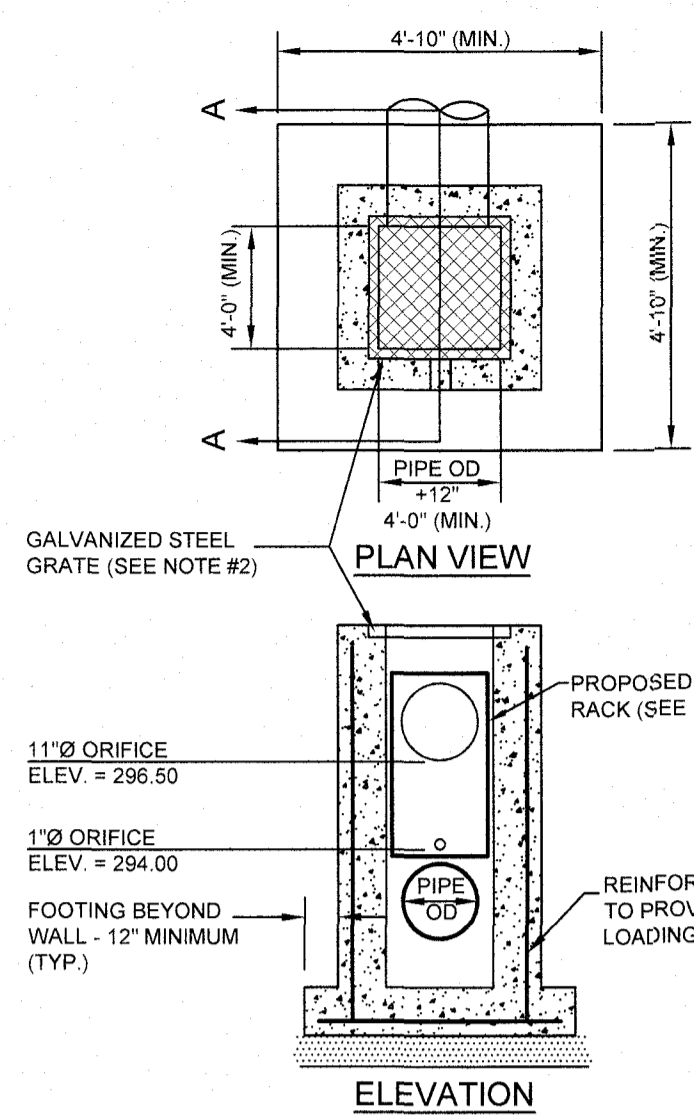
**KM** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



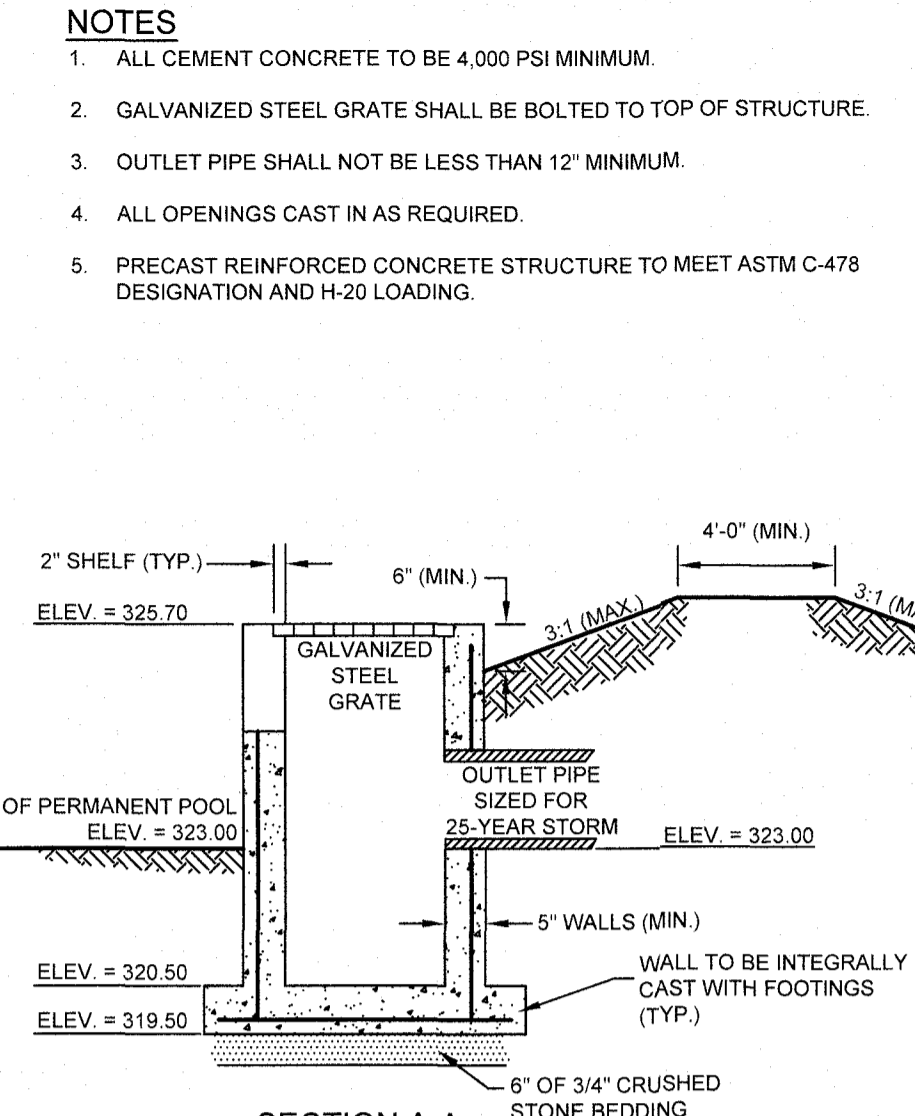
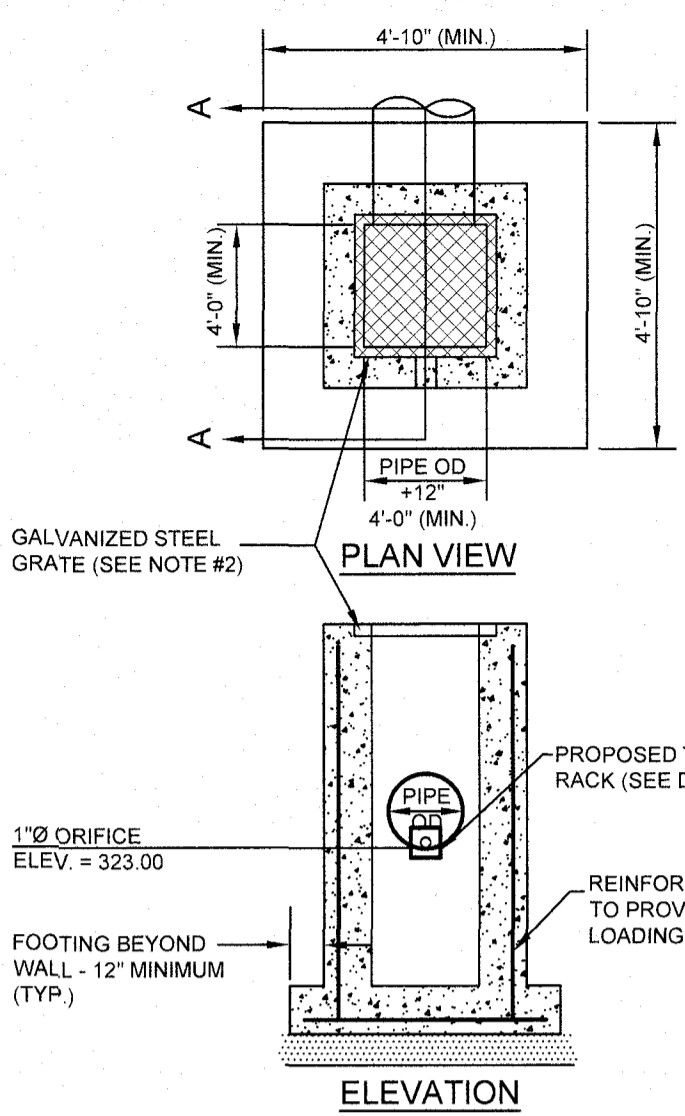
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: AS NOTED  
PROJECT NO: 21-1216-1 SHEET 39 OF 46

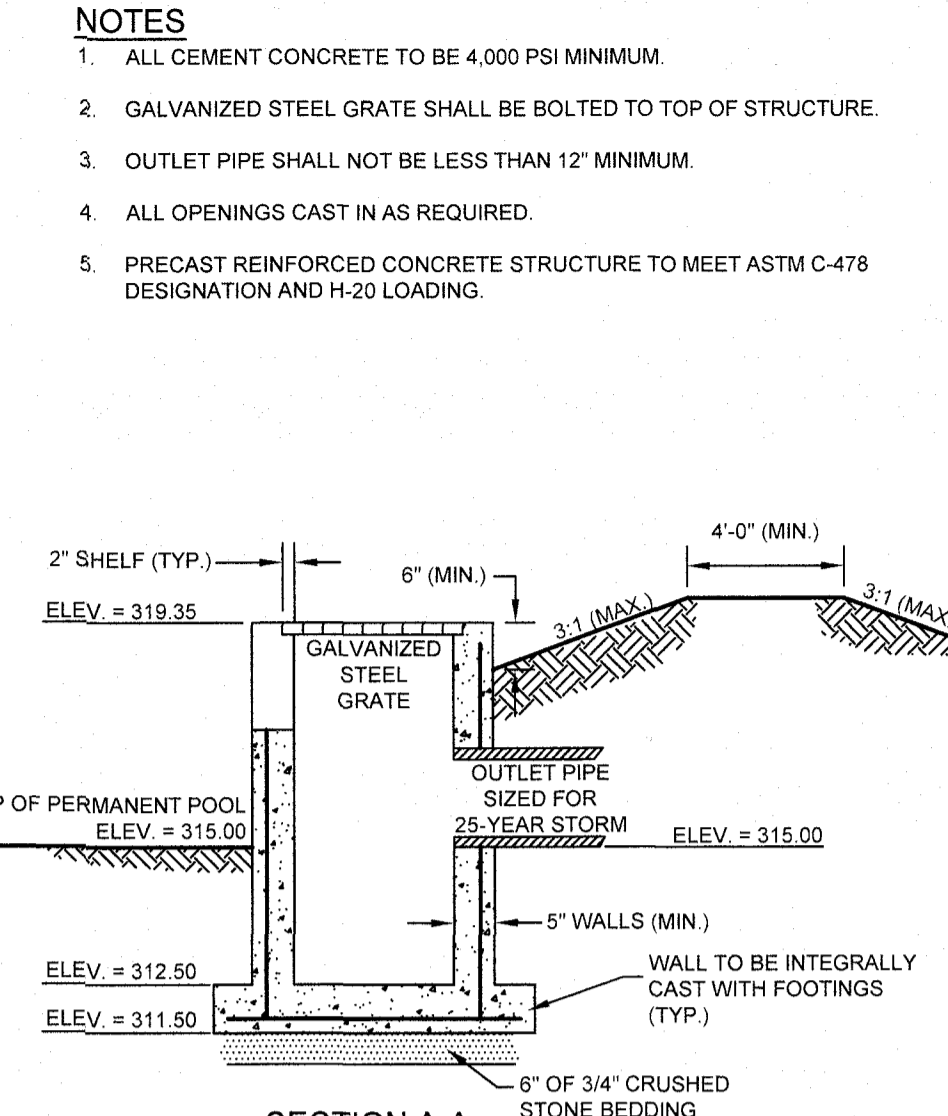
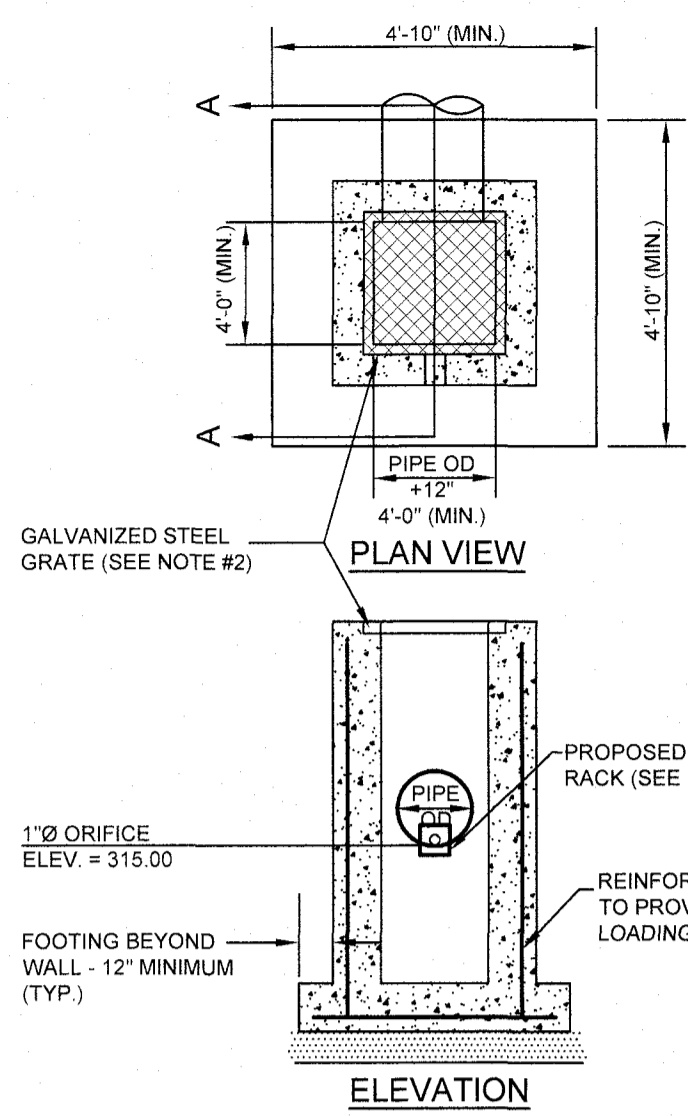




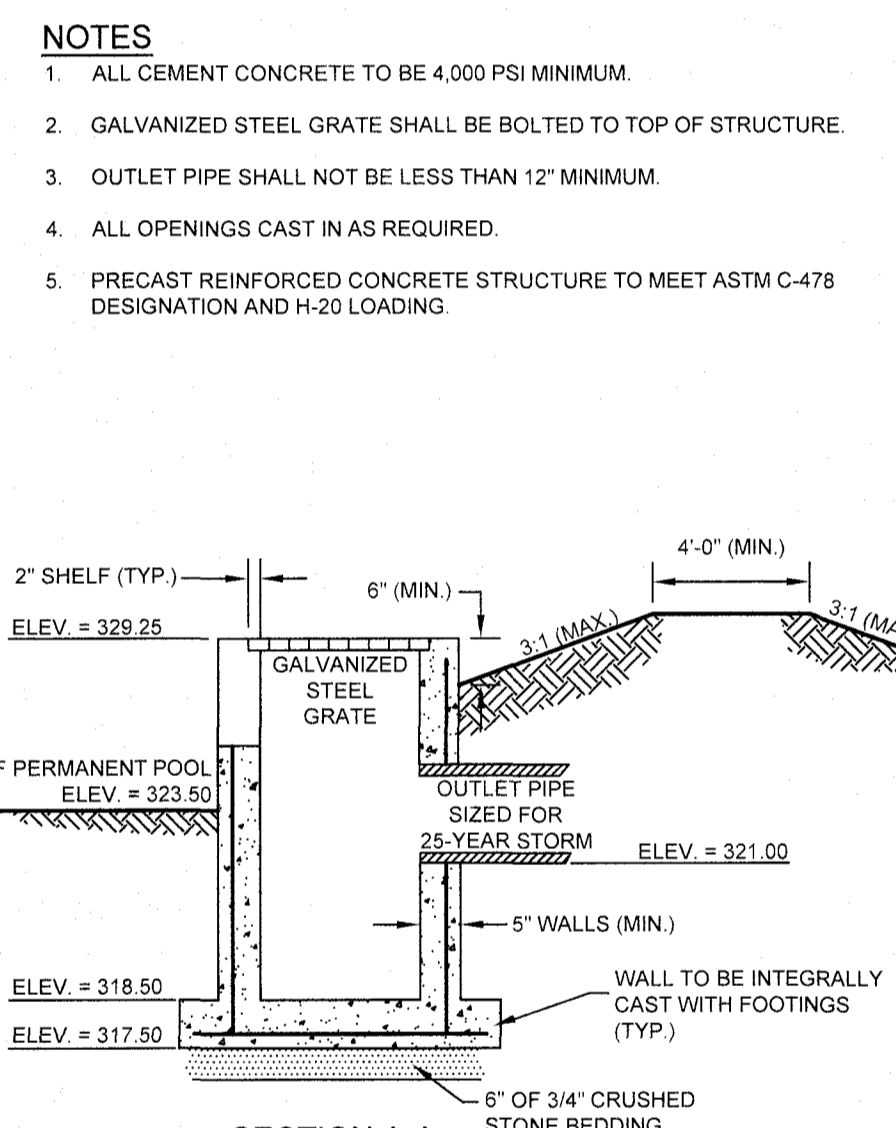
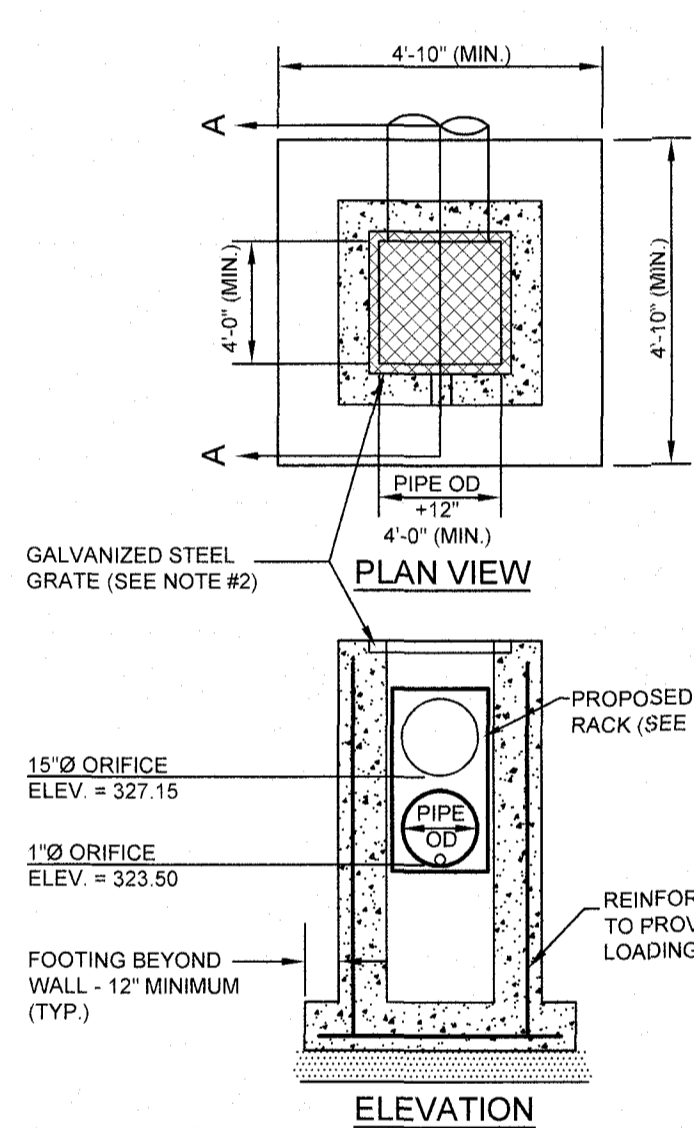
**OUTLET STRUCTURE #2 AT WET POND #1**  
NOT TO SCALE  
(AUGUST 2011)



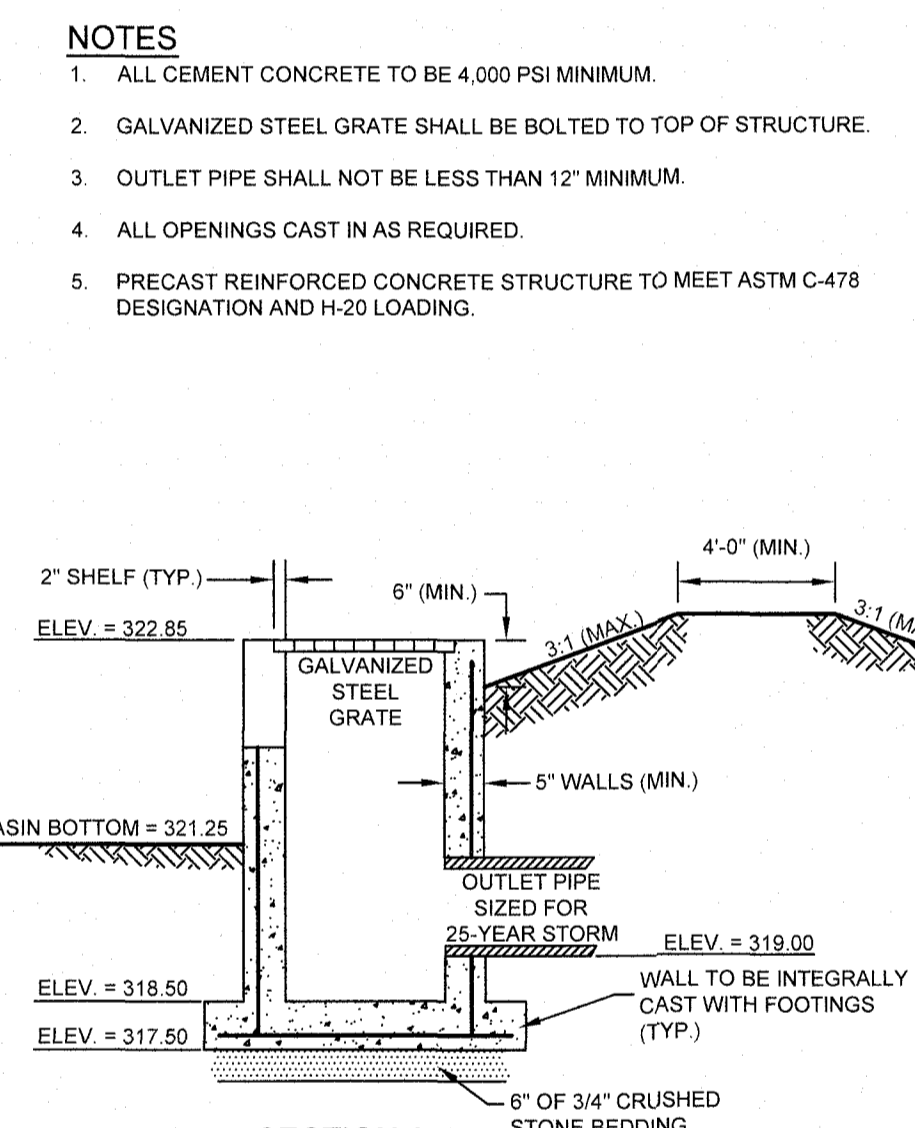
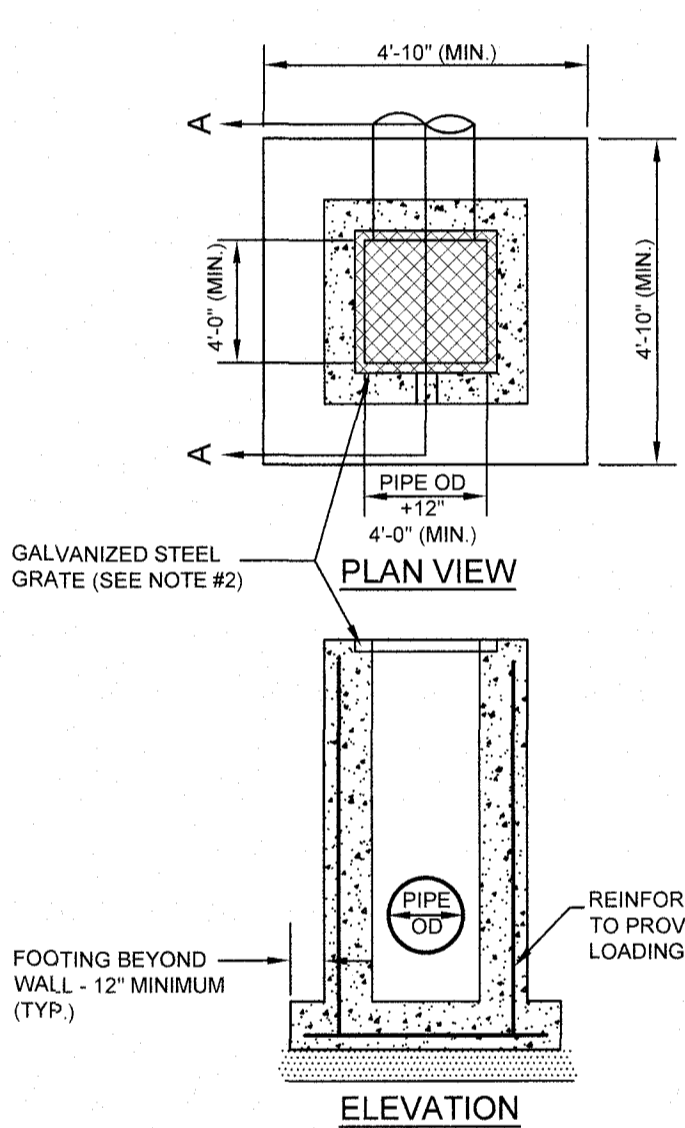
**OUTLET STRUCTURE #33 AT WET POND #2**  
NOT TO SCALE  
(AUGUST 2011)



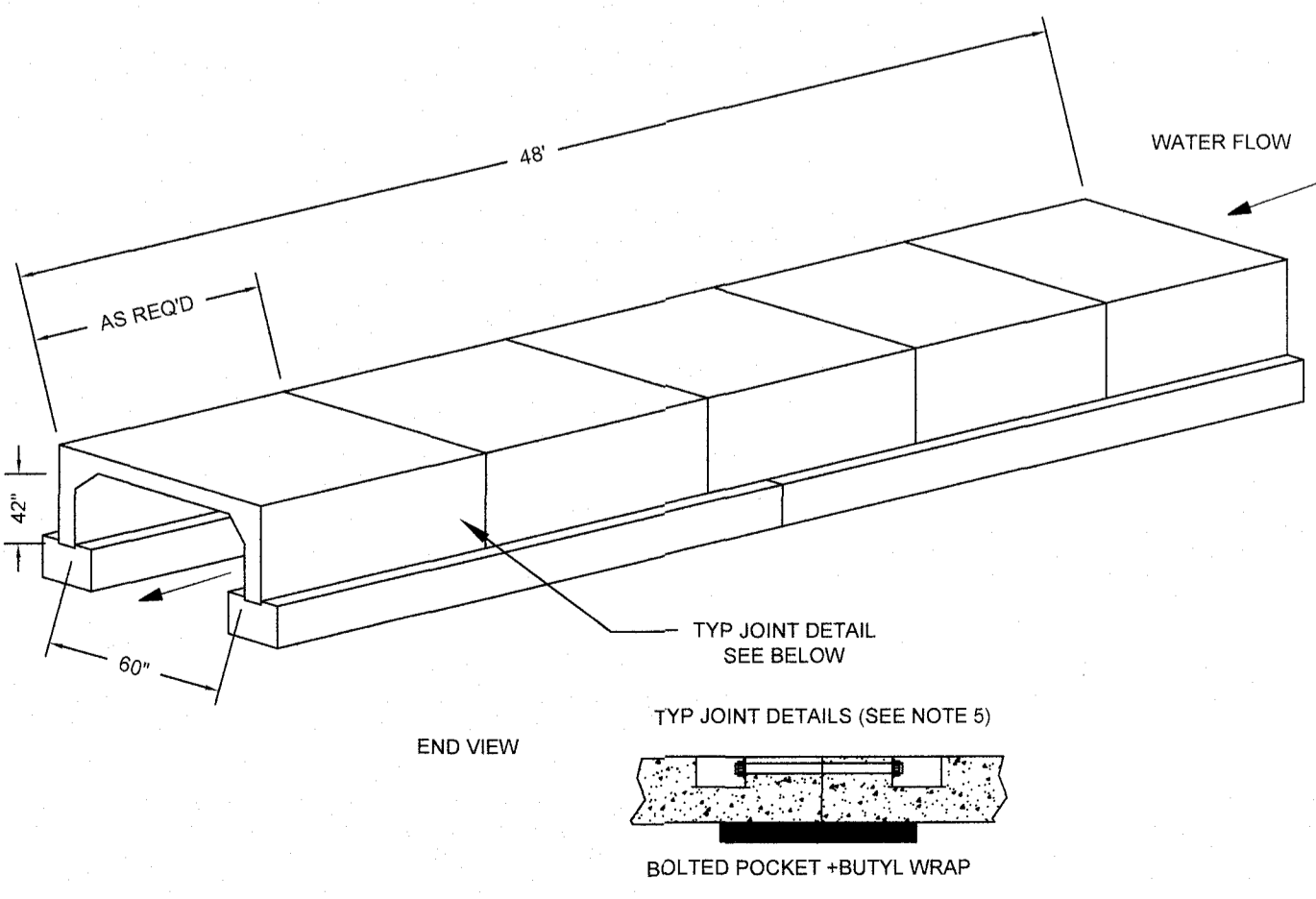
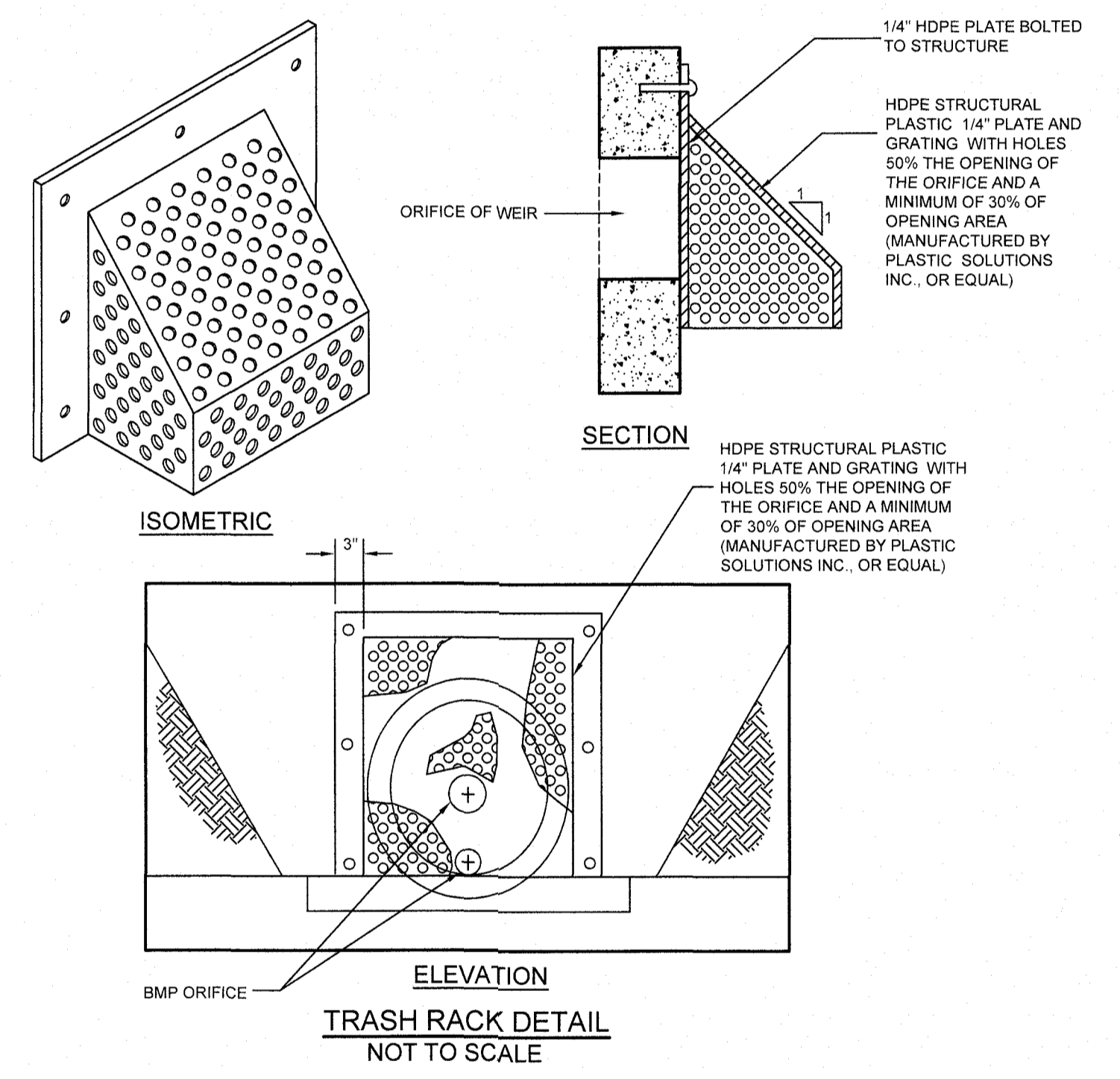
**OUTLET STRUCTURE #16 AT WET POND #3**  
NOT TO SCALE  
(AUGUST 2011)



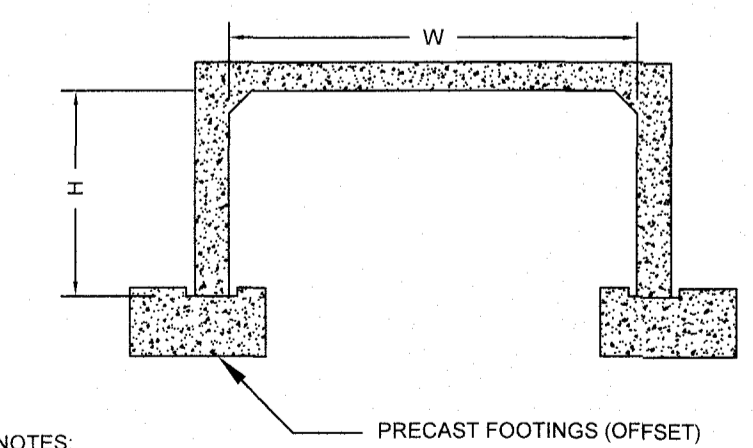
**OUTLET STRUCTURE #44 AT WET POND #4**  
NOT TO SCALE  
(AUGUST 2011)



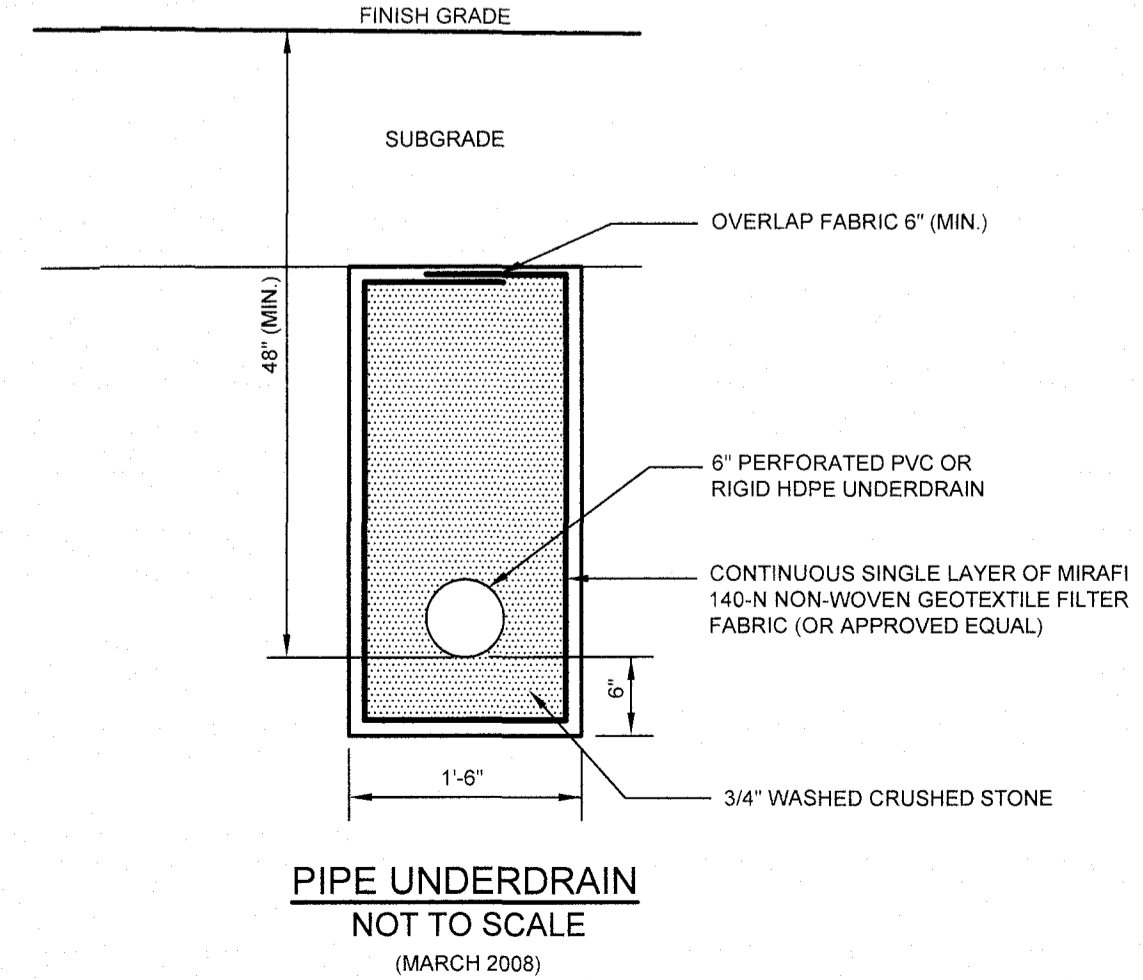
**OUTLET STRUCTURE #18 AT INFILTRATION POND**  
NOT TO SCALE  
(AUGUST 2011)



**PRECAST OPEN BOTTOM BOX CULVERT DETAIL**  
NOT TO SCALE



- NOTES:
1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
  2. DESIGN PER ASTM C1504 SPECIFICATION FOR 3-SIDED CULVERT.
  3. ALL REINFORCEMENT PER ASTM A615.
  4. DESIGNED AASHTO HS-20 LOADING OR AS REQUIRED.
  5. TONGUE AND GROOVE JOINT SEALED WITH BUTYL WRAP.
  6. PRECAST FOOTINGS OPTIONAL.



**PIPE UNDERDRAIN**  
NOT TO SCALE  
(MARCH 2008)

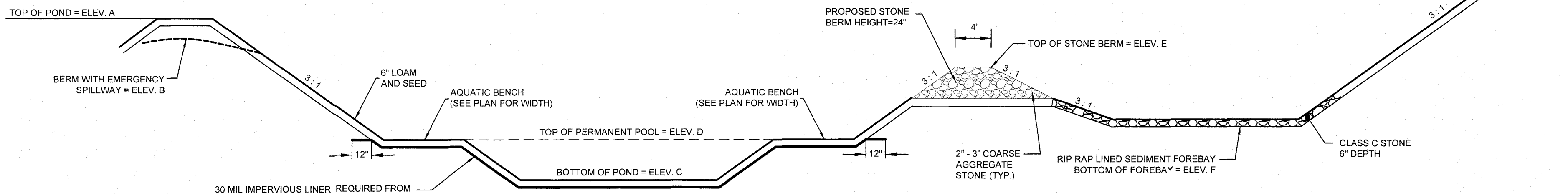
**CONSTRUCTION DETAILS**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

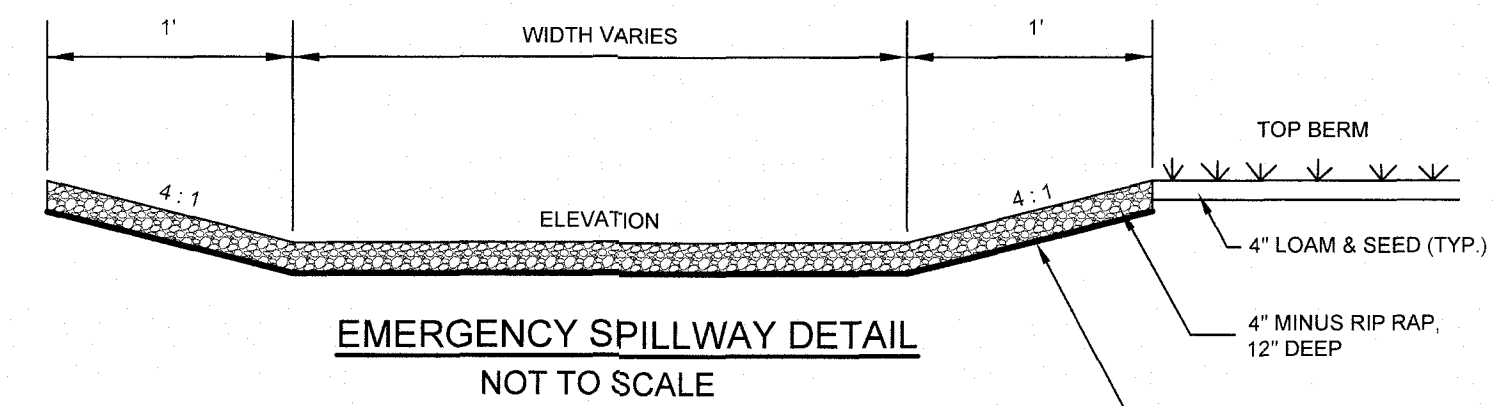
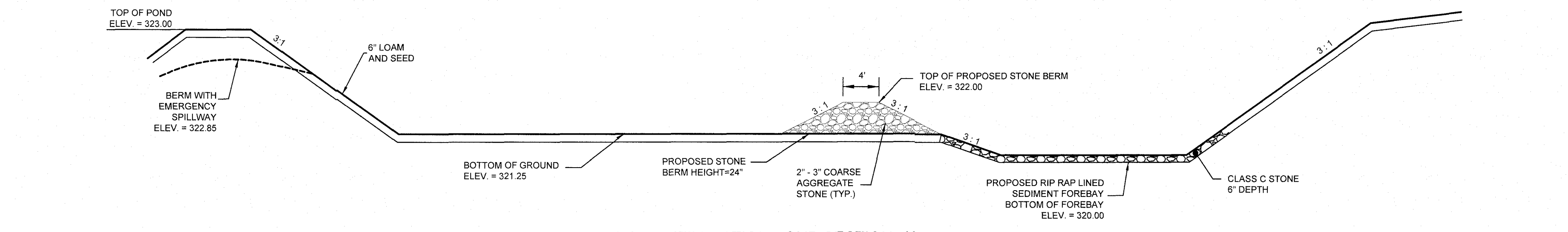
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: AS NOTED  
PROJECT NO: 21-1216-1 SHEET 40 OF 46



**TYPICAL WET POND SECTION  
NOT TO SCALE**

POND NUMBER	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	ELEV. F
WET EXTENDED DETENTION POND #1	298.00	N/A	290.00	294.00	294.50	292.50
WET EXTENDED DETENTION POND #2	326.00	325.90	320.00	323.00	325.00	323.00
WET EXTENDED DETENTION POND #3	320.00	319.65	312.00	315.00	319.00	317.00
WET EXTENDED DETENTION POND #4	329.50	329.30	318.00	323.50	328.00	326.00



LOCATION	ELEVATION	WIDTH
WET POND #1	N/A	N/A
WET POND #2	325.90	10'
WET POND #4	329.30	10'
INFILTRATION POND	322.85	5'

**BEST MANAGEMENT PRACTICES FOR BLASTING**

IF MORE THAN 3000 CUBIC YARDS ARE BLASTED:  
 IDENTIFY DRINKING WATER WELLS LOCATED WITHIN 2000 FEET OF THE PROPOSED BLASTING ACTIVITIES. DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE AND NITRITE EITHER IN THE DRINKING WATER SUPPLY WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. THE PLAN MUST INCLUDE PRE AND POST BLAST WATER QUALITY MONITORING AND BE APPROVED BY NHDES PRIOR TO INITIATING BLASTING. THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY NHDES.

**BEST MANAGEMENT PRACTICES FOR BLASTING**

ALL ACTIVITIES RELATED TO BLASTING SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT CONTAMINATION OF GROUNDWATER INCLUDING PREPARING, REVIEWING AND FOLLOWING AN APPROVED BLASTING PLAN, PROPER DRILLING, EXPLOSIVE HANDLING AND LOADING PROCEDURES, OBSERVING THE ENTIRE BLASTING PROCEDURES, EVALUATING BLASTING PERFORMANCE, AND HANDLING AND STORAGE OF BLASTED ROCK.

**(1) LOADING PRACTICES**

- (A) THE FOLLOWING BOREHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
  - (A) DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS.
  - (B) EXPLOSIVE PRODUCTS SHALL BE MANAGED ON SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF SITE DISPOSAL.
  - (C) SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF SITE DISPOSAL.
  - (D) LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BOREHOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED.
  - (E) LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT.
  - (F) EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE NEED TO BE ATTENDED TO.

**(2) EXPLOSIVE SELECTION**

- (A) THE FOLLOWING BMPs SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED:
  - (A) EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION.
  - (B) EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER.

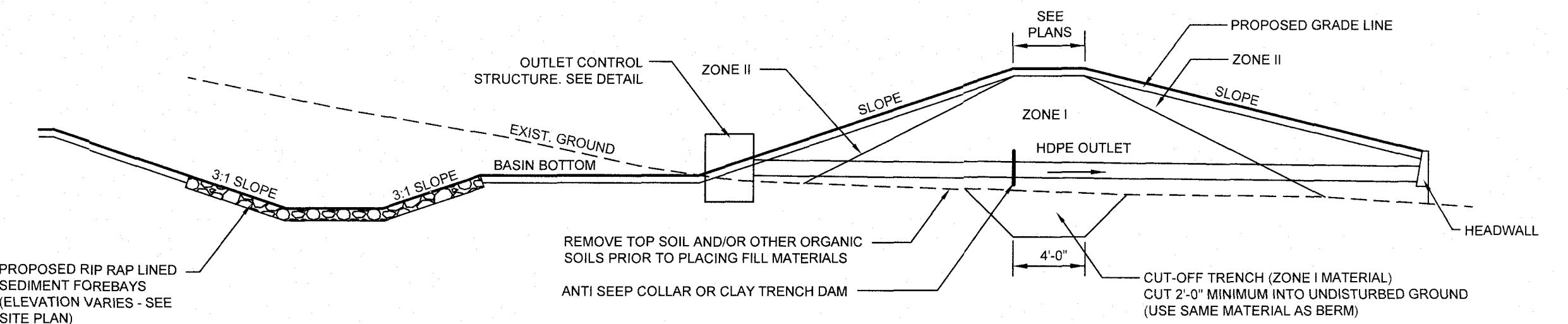
**(3) PREVENTION OF MISFIRES**

- (A) APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.

**(4) MUCK PILE MANAGEMENT**

- (A) MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES:
  - (A) REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE.
  - (B) MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT CONTAMINATION OF WATER SUPPLY WELLS OR SURFACE WATER.
- (B) SPILL PREVENTION MEASURES AND SPILL MITIGATION:
  - (A) PILL PREVENTION AND SPILL MITIGATION MEASURES SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES SHALL INCLUDE AT A MINIMUM:
    - (A) THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
      - 1. STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE.
      - 2. SECURE STORAGE AREAS AGAINST UNAUTHORIZED ENTRY.
      - 3. LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY.
      - 4. INSPECT STORAGE AREAS WEEKLY.
      - 5. COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS.
      - 6. WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS.
      - 7. SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE, EXCEPT FOR ON PREMISE USE HEATING FUEL TANKS, OR ABOVEGROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED.
    - (B) THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:
      - 1. EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED.
      - 2. PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS.
      - 3. HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS.
      - 4. USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES.
      - 5. PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.

**(5) FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NOTE THESE REQUIREMENTS ARE SUMMARIZED IN WD-WGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT).**



- STORMWATER PONDS CONSTRUCTION SEQUENCE**
- CONTRACTOR TO NOTIFY DIG-SAFE 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - CUT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION AREAS TO THE EXTENT NECESSARY. ALL BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR.
  - PRIOR TO GRUBBING OF CLEARED AREAS, ALL SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS.
  - COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR. ORGANIC MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILES SHALL BE SEEDED WITH WINTER RYE AND, IF NECESSARY, SURROUNDED WITH HAY BALES IN ORDER TO PREVENT LOSS DUE TO EROSION.
  - CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSINGS SHALL BE PROTECTED WITH HAY BALE BARRIERS TO LIMIT EROSION.
  - CONSTRUCT CUT-OFF TRENCH (PART OF ZONE I).
  - CONSTRUCT OUTLET AND OVERFLOW STRUCTURE, CULVERT, ANTI SEEP COLLARS, HEADWALL, AND RIP RAP OUTLET PROTECTION AS SHOWN ON PLANS.
  - CONSTRUCT ZONE I PORTION OF EARTH EMBANKMENT.
  - CONSTRUCT ZONE II PORTION OF EARTH EMBANKMENT.
  - APPLY TOPSOIL TO SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF A 4-INCH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMED, SEEDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS HAS BECOME ESTABLISHED.
  - MAINTAIN, REPAIR, AND REPLACE AS NECESSARY TEMPORARY EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE CONSTRUCTION AREA HAS BEEN STABILIZED (A MINIMUM OF ONE WINTER SHALL HAVE PASSED).
  - AFTER STABILIZATION, REMOVE AND SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.
  - MONITOR CONSTRUCTION ACTIVITIES TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN SUCH A WAY AS NOT TO ENDANGER THE INTEGRITY OF EARTH EMBANKMENTS, STORMWATER CONTROL STRUCTURE, CULVERT AND RIP RAP OUTLET PROTECTION.

**MATERIAL TYPE/SPECIFICATIONS**

- ZONE I**  
 WELL GRADED MIXTURE OF GRAVEL, SAND, SILT OR CLAY WITH MAX. 6-INCH SIZE STONE AND GEADATION AS INDICATED BELOW. PLACE IN MAX. 12-INCH THICK LIFTS TO 95% OF MAX. DRY DENSITY IN ACCORDANCE WITH ASTM D1557. SCARIFY SURFACE PRIOR TO PLACING SUBSEQUENT LIFT. IN ADDITION, REMOVE ORGANIC SOILS.
- | SIEVE SIZE | PERCENT BY WEIGHT PASSING |
|------------|---------------------------|
| 6-INCH     | 100                       |
| NO. 4      | 50 TO 100                 |
| NO. 10     | 30 TO 70                  |
| NO. 200    | 20 TO 40                  |
- ZONE II**  
 DRAINAGE LAYER: PLACE IN MAX. 12-INCH THICK LIFTS TO 95% OF MAX. DRY DENSITY IN ACCORDANCE WITH ASTM D1557.
- | SIEVE SIZE | PERCENT BY WEIGHT PASSING   |
|------------|-----------------------------|
| 1-INCH     | 100                         |
| NO. 4      | 70-100                      |
| NO. 200    | 0-12 (IN SAND PORTION ONLY) |

**STORMWATER POND BASIN EMBANKMENT DETAIL**

**MAINTENANCE REQUIREMENTS:**

- SEDIMENT FOREBAYS:**
- INSPECT AT LEAST TWICE ANNUALLY.
  - CONDUCT PERIODIC MOWING OF EMBANKMENTS (GENERALLY TWO TIMES PER YEAR) TO CONTROL GROWTH OF WOODY VEGETATION ON EMBANKMENTS.
  - REMOVE DEBRIS FROM OUTLET STRUCTURES AT LEAST ONCE ANNUALLY.
  - REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT BASED ON INSPECTION.
  - INSTALL AND MAINTAIN A STAFF GAGE OR OTHER MEASURING DEVICE, TO INDICATE DEPTH OF SEDIMENT ACCUMULATION AND LEVEL AT WHICH CLEAN-OUT IS REQUIRED.
- INFILTRATION POND:**
- REMOVAL OF DEBRIS FROM INLET AND OUTLET STRUCTURES.
  - REMOVAL OF ACCUMULATED SEDIMENT.
  - INSPECTION AND REPAIR OF OUTLET STRUCTURES AND APPURTENANCES.
  - INSPECTION OF INFILTRATION COMPONENTS AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EVENT EXCEEDING 2.5 INCHES IN A 24 HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
  - INSPECTION OF PRETREATMENT MEASURES AT LEAST TWICE ANNUALLY, AND REMOVAL OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
  - PERIODIC MOWING OF EMBANKMENTS.
  - REMOVAL OF WOODY VEGETATION FROM EMBANKMENTS.
  - INSPECTION AND REPAIR OF EMBANKMENTS AND SPILLWAYS.
  - IF AN INFILTRATION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE INFILTRATION FUNCTION, INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE INFILTRATION TRENCH.
  - THE BOTTOMS, INTERIOR AND EXTERIOR SIDE SLOPES AND CREST OF EARTHEN DETENTION BASINS SHOULD BE MOWED, AND THE VEGETATION MAINTAINED IN HEALTHY CONDITION, AS APPROPRIATE TO THE FUNCTION OF THE FACILITY AND TYPE OF VEGETATION.
  - VEGETATED EMBANKMENTS THAT SERVE AS "BERMS" OR "DAMS" THAT IMPOUND WATER SHOULD BE MOWED AT LEAST ONCE ANNUALLY TO PREVENT THE ESTABLISHMENT OF WOODY VEGETATION.
  - INLET AND OUTLET PIPES, INLET AND OUTLET STRUCTURES, ENERGY DISSIPATION STRUCTURES OR PRACTICES AND OTHER STRUCTURAL APPURTENANCES SHOULD BE INSPECTED AT LEAST ANNUALLY BY A QUALIFIED PROFESSIONAL AND CORRECTIVE ACTION IMPLEMENTED (EG. MAINTENANCE, REPAIRS OR REPLACEMENT) AS INDICATED BY SUCH INSPECTION.
  - TRASH AND DEBRIS SHOULD BE REMOVED FROM THE BASIN AND ANY INLET OR OUTLET STRUCTURES WHENEVER OBSERVED BY INSPECTION.
  - ACCUMULATED SEDIMENT SHOULD BE REMOVED WHEN IT SIGNIFICANTLY AFFECTS BASIN CAPACITY.
- WET EXTENDED DETENTION PONDS:**
- THE BOTTOMS, INTERIOR AND EXTERIOR SIDE SLOPES AND CREST OF EARTHEN DETENTION BASINS SHOULD BE MOWED, AND THE VEGETATION MAINTAINED IN HEALTHY CONDITION, AS APPROPRIATE TO THE FUNCTION OF THE FACILITY AND TYPE OF VEGETATION.
  - VEGETATED EMBANKMENTS THAT SERVE AS "BERMS" OR "DAMS" THAT IMPOUND WATER SHOULD BE MOWED AT LEAST ONCE ANNUALLY TO PREVENT THE ESTABLISHMENT OF WOODY VEGETATION.
  - INLET AND OUTLET PIPES, INLET AND OUTLET STRUCTURES, ENERGY DISSIPATION STRUCTURES OR PRACTICES AND OTHER STRUCTURAL APPURTENANCES SHOULD BE INSPECTED AT LEAST ANNUALLY BY A QUALIFIED PROFESSIONAL AND CORRECTIVE ACTION IMPLEMENTED (EG. MAINTENANCE, REPAIRS OR REPLACEMENT) AS INDICATED BY SUCH INSPECTION.
  - TRASH AND DEBRIS SHOULD BE REMOVED FROM THE BASIN AND ANY INLET OR OUTLET STRUCTURES WHENEVER OBSERVED BY INSPECTION.
  - ACCUMULATED SEDIMENT SHOULD BE REMOVED WHEN IT SIGNIFICANTLY AFFECTS BASIN CAPACITY.

**CONSTRUCTION PRACTICE REQUIREMENTS:**

- STORMWATER PONDS, INFILTRATION BASINS, AND SWALES MUST BE INSTALLED BEFORE ROUGH GRADING TO SITE.
- RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMPs ARE STABILIZED.
- STORMWATER PONDS, INFILTRATION BASINS, AND SWALES MUST BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATION WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
- AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
- DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
- INFILTRATION BASIN FLOOR PREPARATION WILL INCLUDE GRASS TURF THAT CAN BE INDIKATED FOR UP TO 72 HOURS.
- INFILTRATION AREAS ARE TO BE PROTECTED FROM OVER-COMPACTION DURING CONSTRUCTION.
- AN IMPERVIOUS LINER SHALL BE REQUIRED FOR THE POCKET POND UNLESS DETERMINED OTHERWISE BY THE DESIGN ENGINEER DURING CONSTRUCTION WHEN THE POND IS AT SUBGRADE, AND IS EITHER MORE THAN 5 FEET BELOW SEASONAL HIGH WATER TABLE AND/OR IN COMPLETE LEDGE.

**CONSTRUCTION DETAILS**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KM KEACH-NORDSTROM ASSOCIATES, INC.**  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone: (603) 827-2881

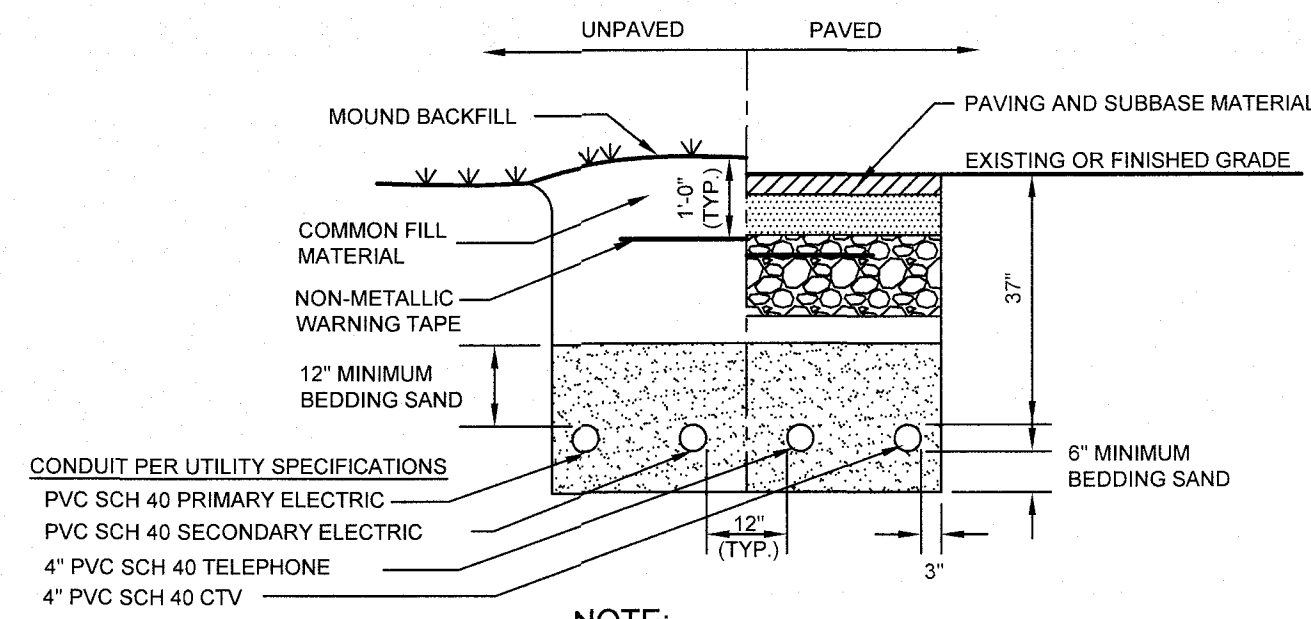
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

**DATE:** FEBRUARY 9, 2023

**SCALE:** AS NOTED

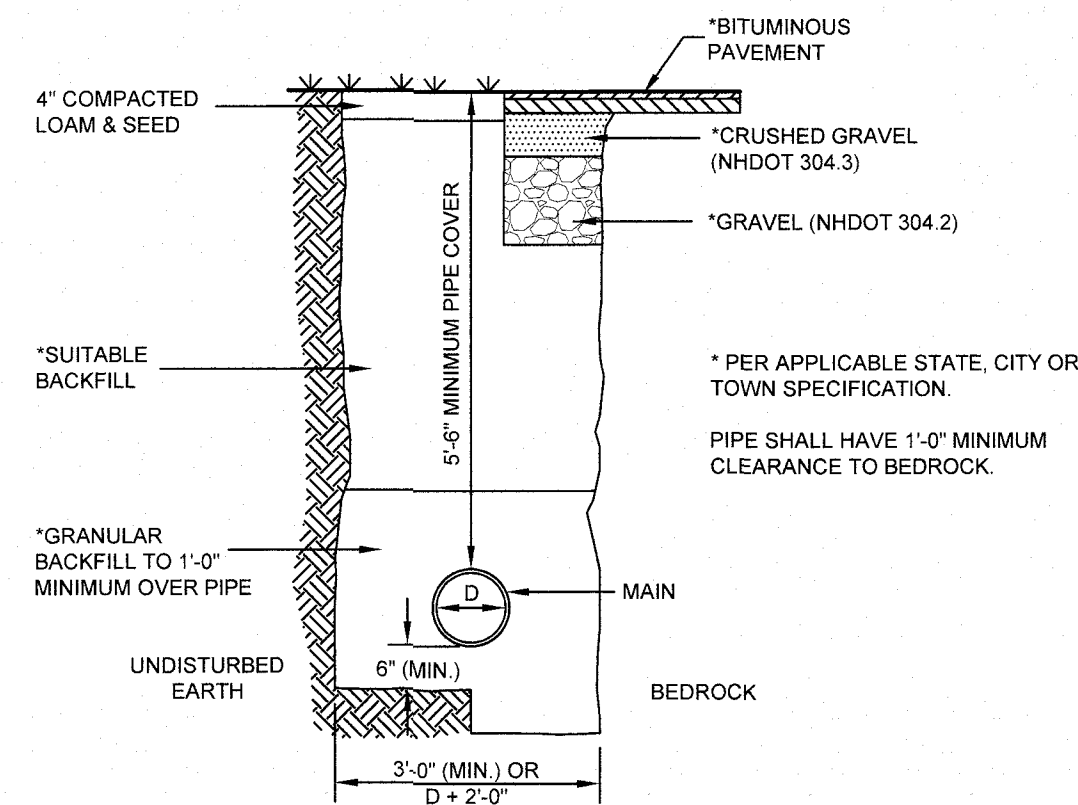
**PROJECT NO:** 21-1216-1

**SHEET** 41 **OF** 46

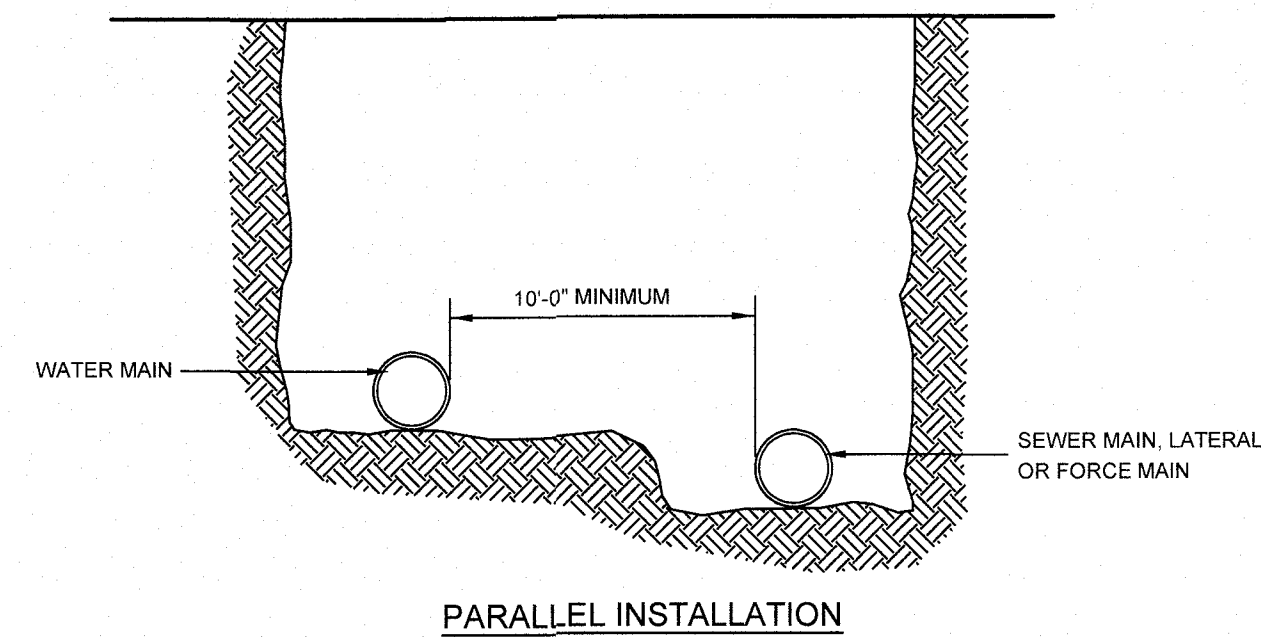


**NOTE:**  
INSTALLATION AND MATERIALS OF UNDERGROUND UTILITIES SHALL CONFORM TO LOCAL UTILITY COMPANY SPECIFICATIONS.

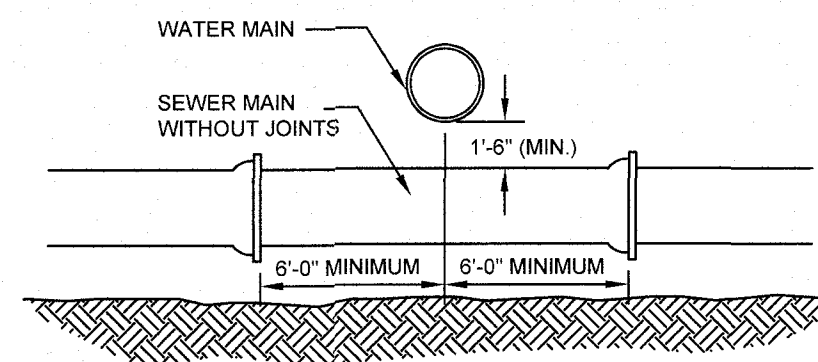
**UTILITY TRENCH DETAIL**  
NOT TO SCALE  
(MARCH 2008)



**WATER LINE TRENCH DETAIL**  
NOT TO SCALE  
(MARCH 2008)

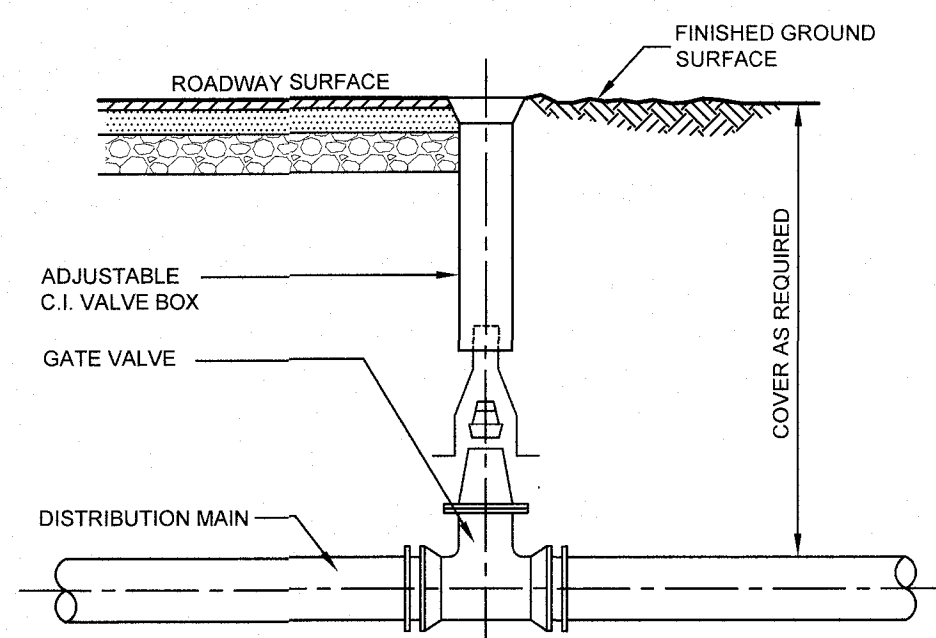


**PARALLEL INSTALLATION**

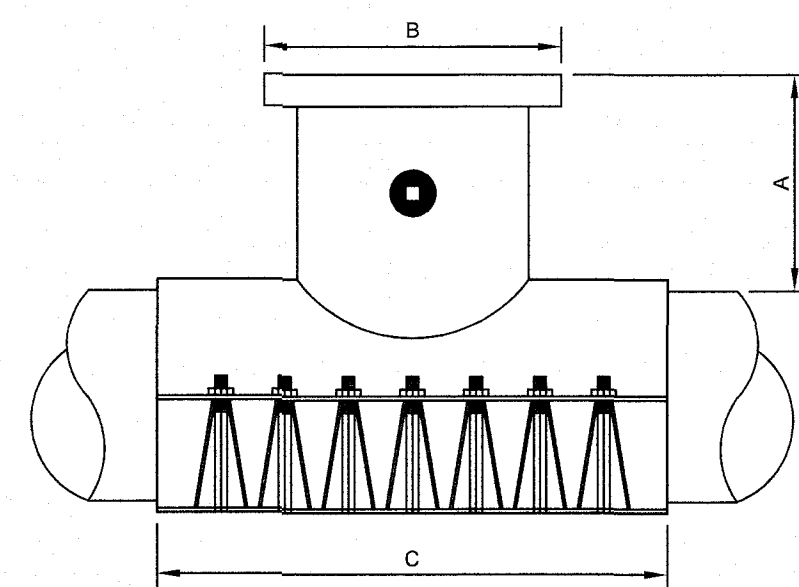


**MAIN CROSSINGS**

**WATER PIPE/SEWER PIPE SEPARATION**  
NOT TO SCALE  
(MARCH 2008)

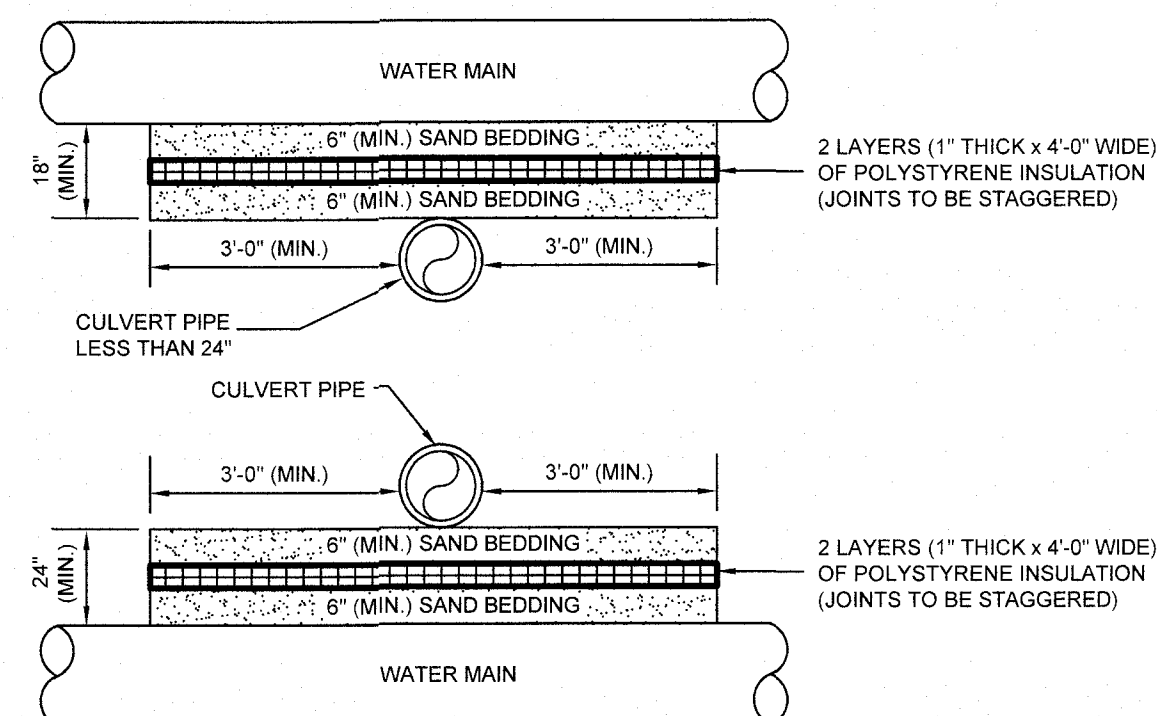


**WATER AND GAS GATE VALVE**  
NOT TO SCALE  
(MARCH 2008)



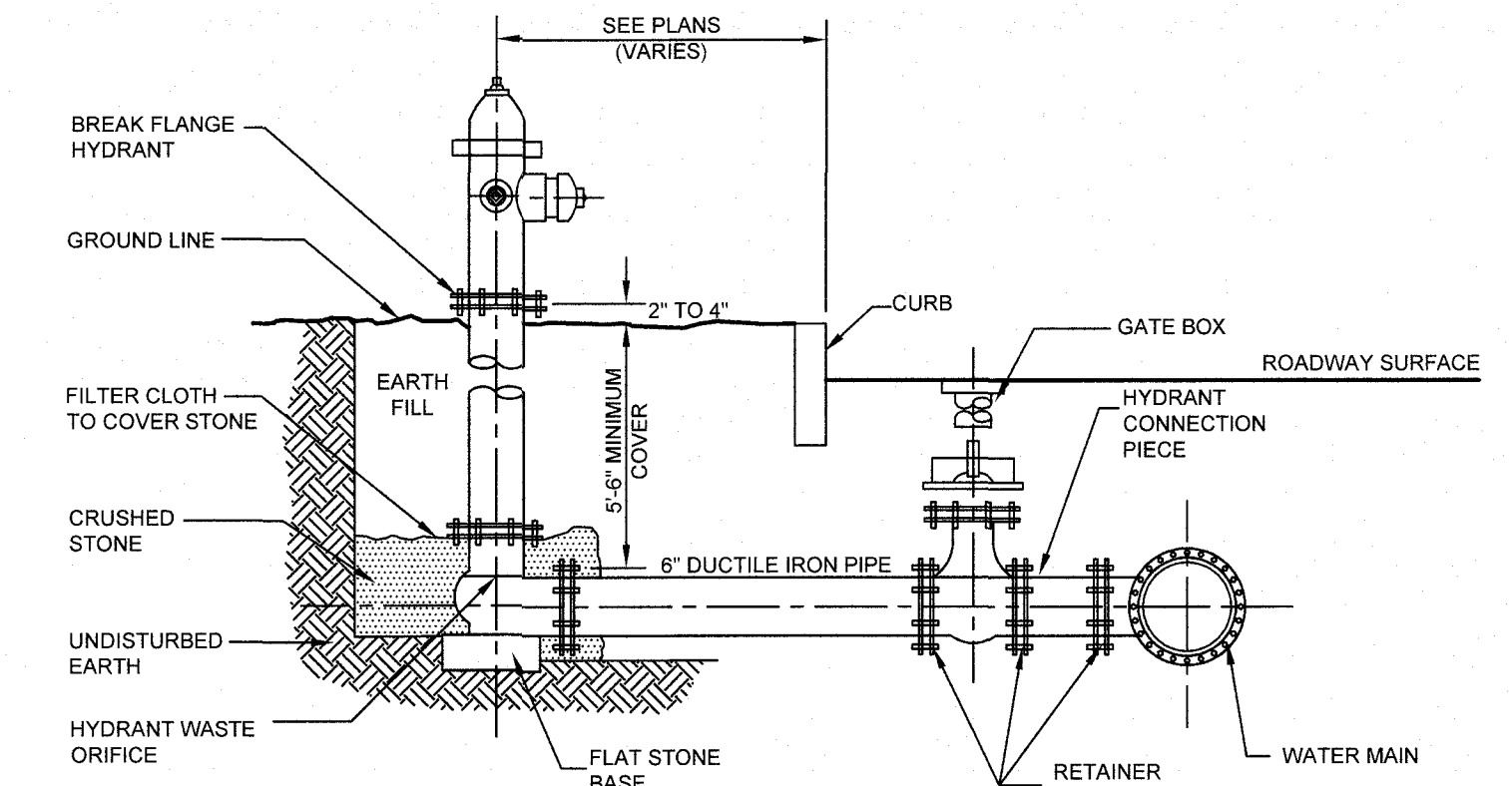
BRANCH SIZE	A	B	C	NUMBER OF BOLTS
4"	4"	5 1/32"	16"	10
6"	4 1/2"	7 1/32"	16"	10
8"	5"	9 1/32"	20"	14
10"	5 1/2"	11 1/32"	24"	18
12"	6 1/2"	13 1/32"	30"	30

**STAINLESS STEEL TAPPING SLEEVE DETAIL**  
NOT TO SCALE  
(MARCH 2008)



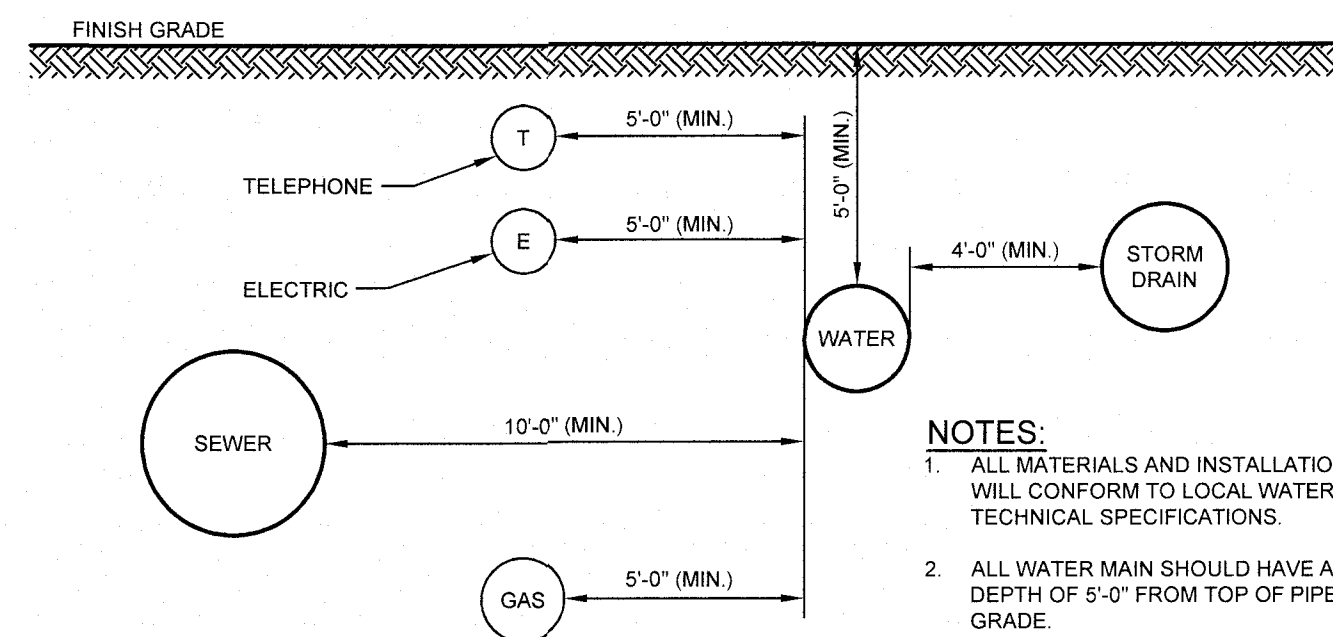
**NOTES:**  
1. INSULATION TO BE USED WHERE PIPE SEPARATION IS 24" OR LESS.

**WATER PIPE CROSSING INSULATION DETAIL**  
NOT TO SCALE  
(JUNE 2012)



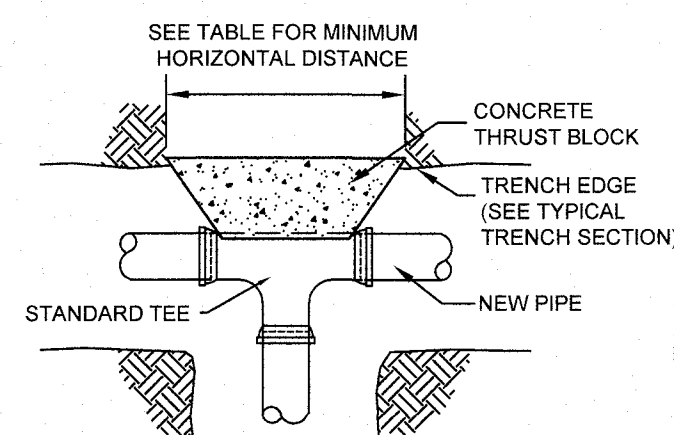
**NOTE:**  
PROPER RESTRAINT REQUIRED THROUGHOUT TO FIX HYDRANT TO MAIN.

**HYDRANT INSTALLATION**  
NOT TO SCALE  
(MARCH 2008)

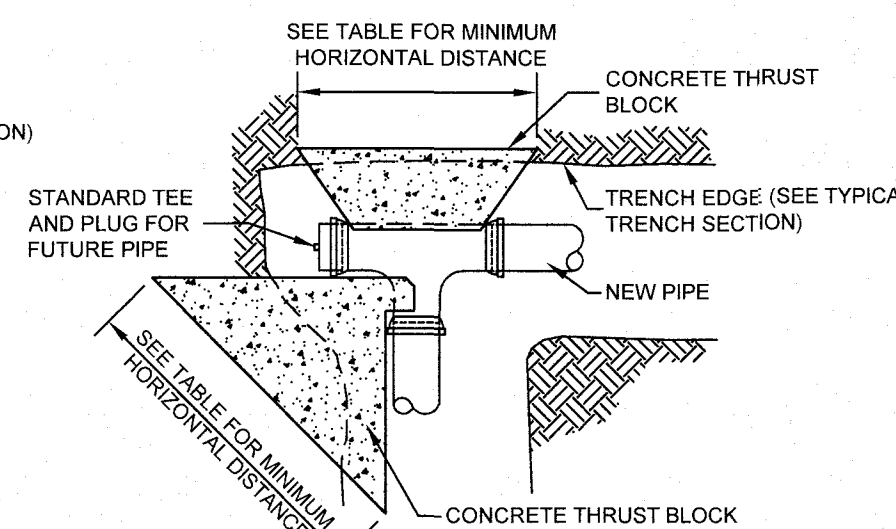


**NOTES:**  
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO LOCAL WATER PROVIDER'S TECHNICAL SPECIFICATIONS.  
2. ALL WATER MAIN SHOULD HAVE A MINIMUM DEPTH OF 5'-0" FROM TOP OF PIPE TO FINISH GRADE.  
3. SEE DETAIL FOR TRENCH SPECIFICATIONS.  
4. SEE DETAIL FOR OUTSIDE SERVICE ENTRANCE SPECIFICATIONS.

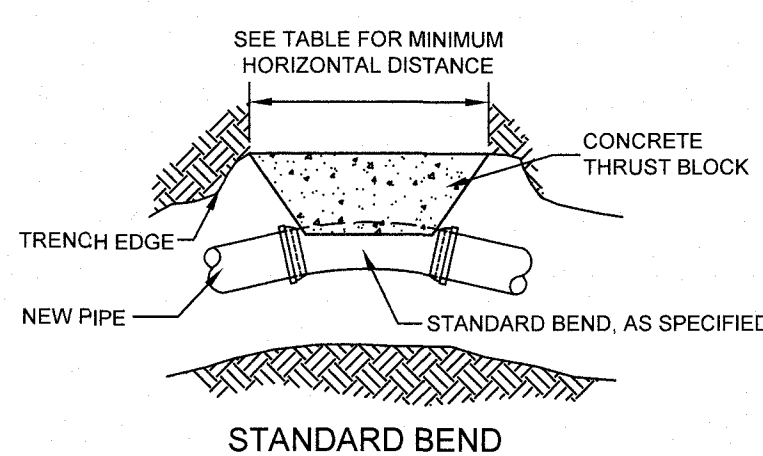
**UTILITY SEPARATION (MAIN) DETAIL**  
(A-01)  
NOT TO SCALE  
(MARCH 2008)



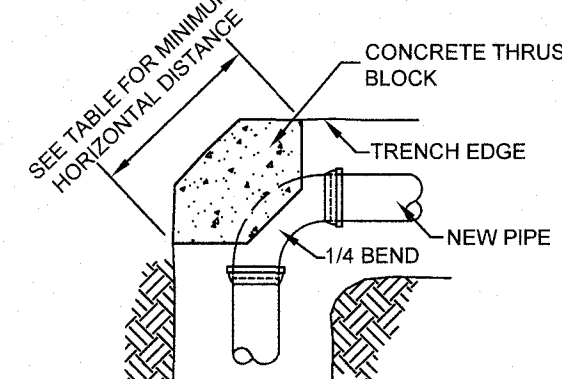
**THRUST BLOCK-STANDARD TEE**



**THRUST BLOCK-STANDARD TEE AND PLUG**



**STANDARD BEND**



**90° BEND**

**THRUST BLOCK DETAIL**  
NOT TO SCALE  
(MARCH 2008)

**THRUST BLOCK TABLE**

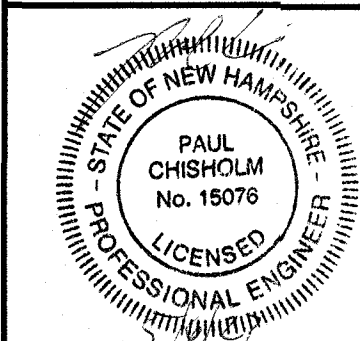
SIZE	TYPE	HORIZONTAL DISTANCE		VERTICAL DISTANCE
		IN SAND OR GRAVEL	IN ROCK	
4"	TEE BRANCH	2'-0"	2'-0"	2'-0"
	90° BEND	2'-0"	2'-0"	2'-0"
	45° BEND	2'-0"	2'-0"	2'-0"
6"	TEE BRANCH	2'-0"	2'-0"	2'-0"
	90° BEND	2'-0"	2'-0"	2'-0"
	45° BEND	2'-0"	2'-0"	2'-0"
8"	TEE BRANCH	2'-6"	2'-0"	2'-6"
	90° BEND	3'-0"	2'-0"	3'-0"
	45° BEND	2'-6"	2'-0"	2'-0"
10"	TEE BRANCH	2'-6"	2'-0"	2'-6"
	90° BEND	3'-0"	2'-0"	3'-0"
	45° BEND	2'-6"	2'-0"	2'-6"
12"	TEE BRANCH	4'-0"	2'-0"	3'-0"
	90° BEND	4'-0"	3'-0"	4'-0"
	45° BEND	3'-6"	2'-0"	3'-0"
16"	TEE BRANCH	4'-0"	3'-0"	4'-6"
	90° BEND	5'-0"	4'-0"	5'-0"
	45° BEND	4'-0"	3'-0"	4'-0"
20"	TEE BRANCH	5'-0"	4'-0"	4'-0"
	90° BEND	6'-0"	4'-0"	5'-0"
	45° BEND	4'-6"	3'-0"	4'-6"
	22 1/2° BEND OR LESS	3'-0"	2'-0"	3'-0"

**CONSTRUCTION DETAILS**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER OF RECORD:**  
SALT CREEK PROPERTIES, LLC  
PO BOX 967  
AMHERST, NH 03031  
H.C.R.D. BK. 8420 PG. 1596

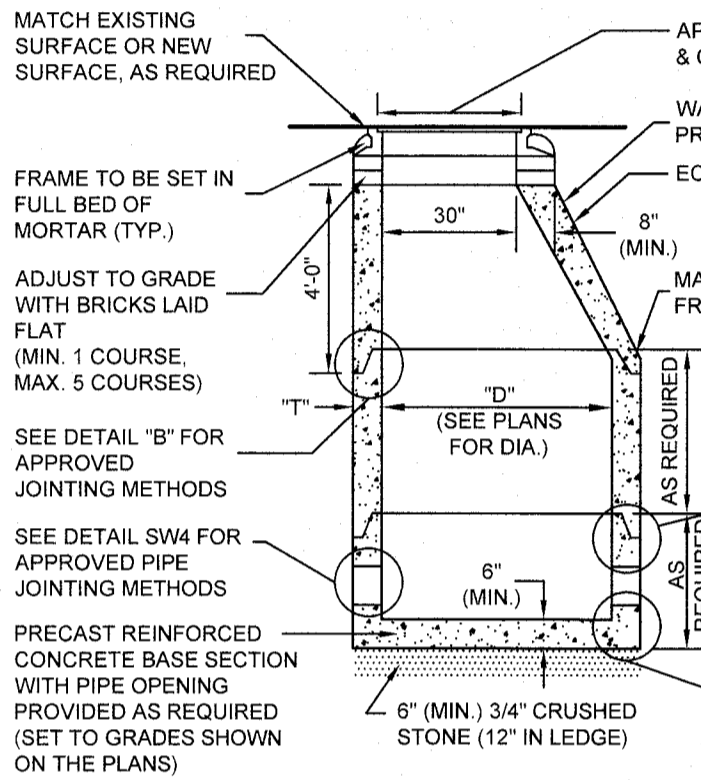
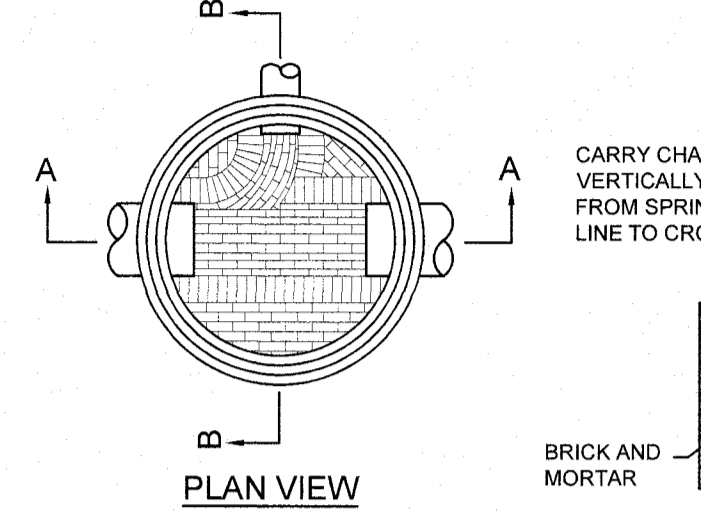
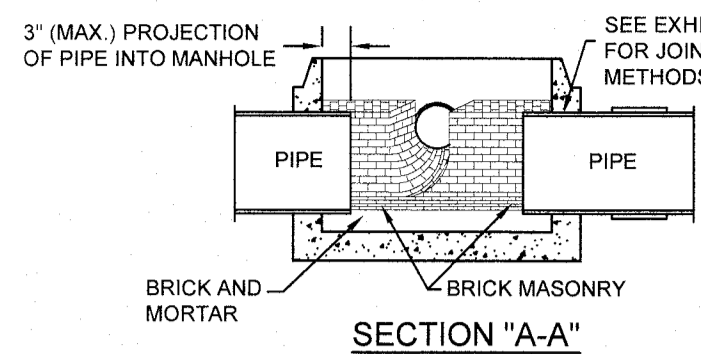
**OWNER/APPLICANT:**  
TM BOLDOC HOLDINGS, LLC  
131 BURKE STREET, SUITE A  
NASHUA, NH 03060

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: AS SHOWN  
PROJECT NO: 21-1216-1 SHEET 42 OF 46

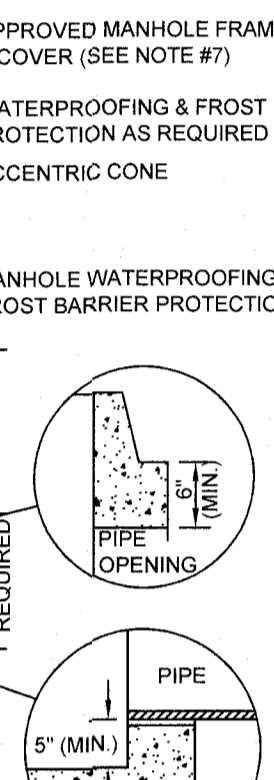


TYPICAL SEWER MANHOLE

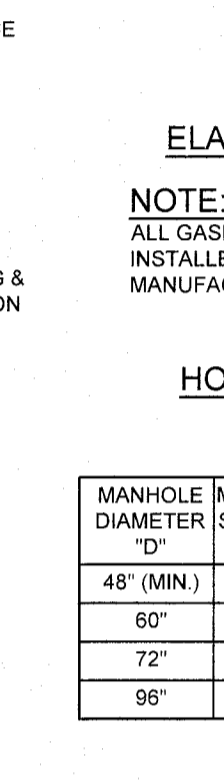
NOTES:

- IT IS THE INTENTION THAT THE MANHOLE, INCLUDING ALL COMPONENT PARTS, HAVE ADEQUATE SPACE, STRENGTH AND LEAKPROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENTS AND CONFIGURATIONS SHALL BE AS SHOWN ON THE DRAWING. MANHOLES SHALL BE AN ASSEMBLY OF PRECAST SECTIONS, WITH STEEL REINFORCEMENT AND ADEQUATE JOINTING. THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND HS-20-44 LOADING, INCLUDING THE FRAME AND COVER.
- SEWER MANHOLE DIAMETER SHALL BE AS INDICATED ON THE PLANS.
- LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF BEDFORD AND NHDES REQUIREMENTS. INVERT AND SHELF TO BE PLACED AFTER PASSING THE LEAKAGE TEST.
- CARE SHALL BE TAKEN TO ENSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. INVERT BRICKS SHALL BE LAID ON EDGE. BASE SECTION TO BE FULL.
- MANHOLE CHANNELS REQUIRING CHANGE IN ALIGNMENT ARE TO BE BUILT ON A SMOOTH RADIUS.
- IN CROSS COUNTRY AREAS BEYOND ROADWAY RIGHT-OF-WAYS, THE MANHOLE FRAME ELEVATION SHALL BE A MINIMUM OF 8" ABOVE FINISHED GRADE. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE MANHOLE.
- FRAMES AND COVERS: MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30" CLEAR OPENING. 3" (MINIMUM HEIGHT) LETTERS WITH THE WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH MANHOLE COVER.

SECTION "B-B"



SECTION "B-B"



ELASTOMERIC SEALANT

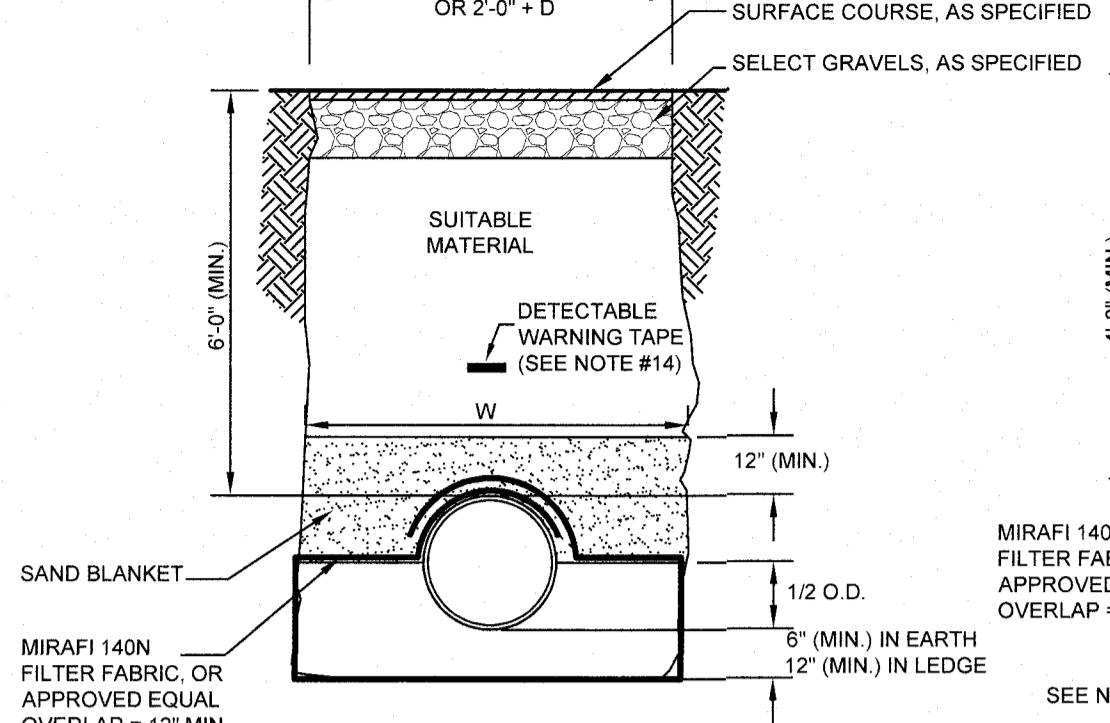
NOTE:  
ALL GASKETS AND SEALANTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

DETAIL "B" HORIZONTAL JOINTS NOT TO SCALE

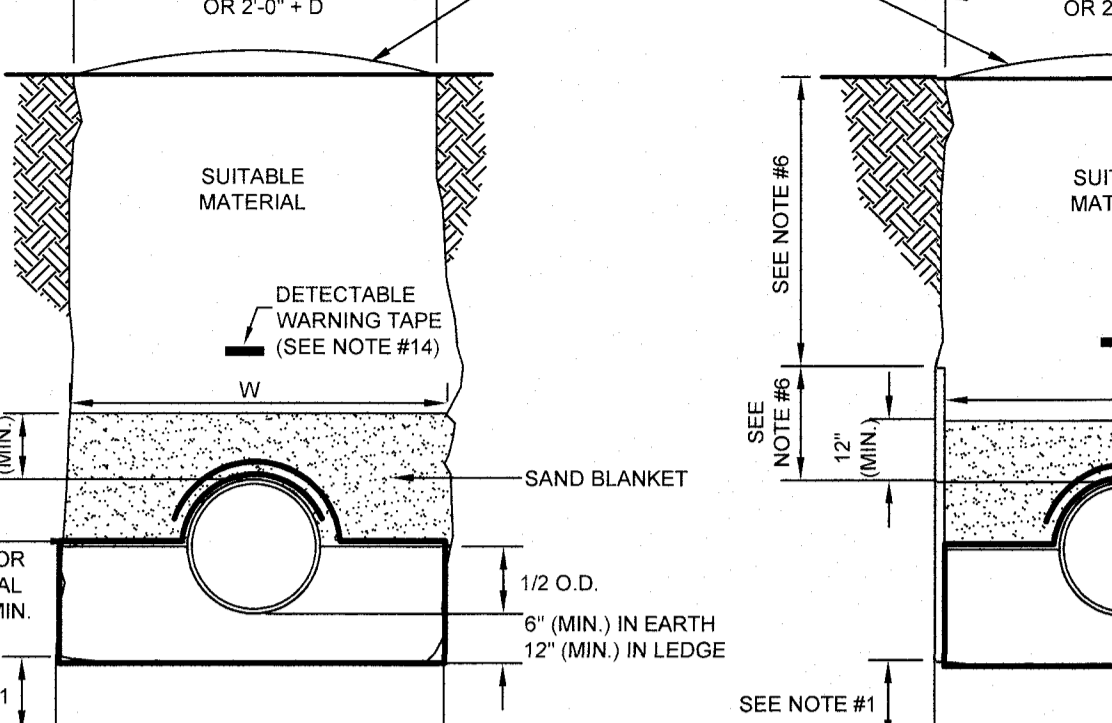
MANHOLE DIAMETER "D" (MIN.)	MAX. PIPE DIAMETER TO 45° DEFLECTION "D" (MAX.)	WALL THICKNESS "T" (MIN.)
48"	30" OD (MAX.)	5" (MIN.)
60"	44" OD (MAX.)	5"
72"	51" OD (MAX.)	7"
96"	72" OD (MAX.)	9"

SANITARY SEWER MANHOLE NOTES: (NHDES ENV WQ700 - 2015)

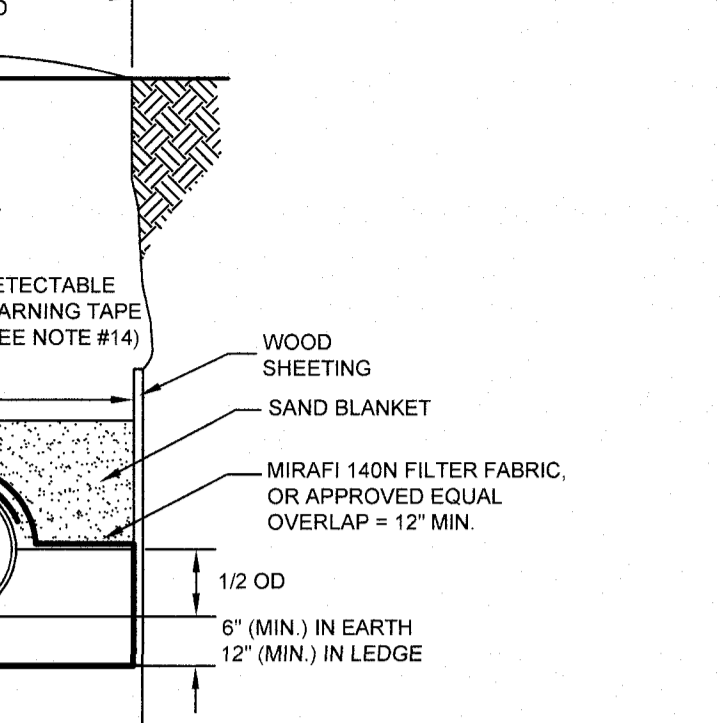
- ALL COMPONENT PARTS OF MANHOLE STRUCTURES SHALL HAVE THE STRENGTH, LEAK RESISTANCE AND SPACE NECESSARY FOR THE INTENDED SERVICE.
- MANHOLE STRUCTURES SHALL HAVE A LIFE EXPECTANCY IN EXCESS OF 25 YEARS.
- MANHOLE STRUCTURES SHALL BE DESIGNED TO WITHSTAND H-20 LOADING AND SHALL NOT LEAK IN EXCESS OF ONE GPD PER VERTICAL FOOT OF MANHOLE FOR THE LIFE OF THE STRUCTURE.
- BARRELS, CONCRETE GRADE RINGS AND CONE SECTIONS SHALL BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE AND SHALL CONFORM TO ASTM C478.
- BEDDING: CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33 100% PASSING 1 INCH SCREEN 90% PASSING 3/4 INCH SCREEN 20-55% PASSING 3/8 INCH SCREEN 0-10% PASSING #4 SIEVE 0-5% PASSING #8 SIEVE
- WHERE ORDERED BY THE ENGINEER TO STABILIZE THE BASE, CRUSHED STONE 1/2 INCH TO 1-1/2 INCH SHALL BE USED.
- BASE SECTIONS SHALL BE OF MONOLITHIC CONSTRUCTION TO A POINT AT LEAST 8 INCHES ABOVE THE CROWN OF THE INCOMING PIPE.
- HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF AN OVERLAPPING TYPE, SEALED FOR WATER-TIGHTNESS USING A DOUBLE ROW OF AN ELASTOMERIC OR MASTIC-LIKE SEALANT.
- PIPE TO MANHOLE JOINTS SHALL BE AS FOLLOWS:
  - ELASTOMERIC RUBBER SLEEVE WITH WATER-TIGHT JOINTS AT THE MANHOLE OPENING AND PIPE SURFACES.
  - CAST INTO THE WALL OR SECURED WITH STAINLESS STEEL CLAMPS.
  - ELASTOMERIC SEALING RING CAST INTO THE MANHOLE WITH SEAL FORMED ON THE SURFACE OF THE PIPE BY COMPRESSION OF THE RING, AND
  - NON-SHRINK GROUTED JOINTS WHERE WATER-TIGHT BONDING TO THE MANHOLE AND PIPE CAN BE OBTAINED.
- MANHOLE CONE SECTIONS SHALL BE ECCENTRIC IN SHAPE.
- ALL PRECAST SECTIONS AND BASES SHALL HAVE THE DATE OF MANUFACTURE AND THE NAME OR TRADEMARK OF THE MANUFACTURER IMPRESSED OR INDELIBLY MARKED ON THE INSIDE WALL.
- ALL PRECAST SECTIONS AND BASES SHALL BE COATED ON THE EXTERIOR WITH A BITUMINOUS DAMP-PROOFING COATING.
- MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT CONSTRUCTED TO CONFORM TO THE SIZE OF PIPE AND FLOW. AT CHANGES IN DIRECTION, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPED TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY. INVERTS AND SHELVES SHALL BE PLACED AFTER TESTING.
- MATERIALS OF CONSTRUCTION FOR MANHOLES SHALL BE AS FOLLOWS:
  - CONCRETE FOR PRECAST BASES OR GRADE RINGS SHALL CONFORM TO THE REQUIREMENTS FOR CLASS AA CONCRETE IN THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION";
  - REINFORCING FOR PRECAST CONCRETE SHALL BE STEEL OR STRUCTURAL FIBERS THAT CONFORM TO THE REQUIREMENTS OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION";
  - PRECAST CONCRETE BARREL SECTIONS, CONES AND BASES SHALL BE CERTIFIED BY THEIR MANUFACTURER(S) AS CONFORM TO ASTM C478;
  - THE MANHOLE FRAME AND COVER SHALL PROVIDE A 30-INCH DIAMETER CLEAR OPENING. THE MANHOLE COVER SHALL HAVE THE WORD "SEWER" IN 3-INCH LETTERS CAST INTO THE TOP SURFACE;
  - THE CASTINGS SHALL BE OF EVEN-GRAINED CAST IRON, SMOOTH AND FREE FROM SCALE, LUMPS, BLISTERS AND DEFECTS;
  - CONTACT SURFACES OF COVERS AND FRAMES SHALL BE MACHINED AT THE FOUNDRY TO PREVENT ROCKING OF COVERS IN ANY ORIENTATION;
  - CASTINGS SHALL BE EQUAL TO CLASS 30, BE CERTIFIED BY THEIR MANUFACTURER(S) AS CONFORMING TO ASTM A848M;
  - BRICK MASONRY FOR SHELF, INVERT AND GRADE ADJUSTMENT SHALL BE CERTIFIED BY THEIR MANUFACTURER(S) AS CONFORMING TO ASTM C32, CLAY OR SHALE, FOR GRADE SS HARD BRICK;
  - MORTAR SHALL BE COMPOSED OF TYPE II PORTLAND CEMENT AND SAND WITH OR WITHOUT HYDRATED LIME ADDITION;
  - PROPORTIONS IN MORTAR OF PARTS BY VOLUMES SHALL BE:
    - 4.5 PARTS SAND AND 1.5 PARTS CEMENT; OR
    - 4.5 PARTS SAND, ONE PART CEMENT AND 0.5 PARTS HYDRATED LIME;
  - CEMENT SHALL BE TYPE II PORTLAND CEMENT CONFORMING TO ASTM C150/C150M;
  - HYDRATED LIME SHALL BE TYPE S CONFORMING TO THE ASTM C207 "STANDARD SPECIFICATIONS FOR HYDRATED LIME FOR MASONRY PURPOSES";
  - SAND SHALL CONSIST OF INERT NATURAL SAND CONFORMING TO THE ASTM C33 "STANDARD SPECIFICATIONS FOR CONCRETE, FINE AGGREGATES";
  - CONCRETE FOR DROP SUPPORTS SHALL CONFORM TO THE REQUIREMENT FOR CLASS AAA CONCRETE OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION";
  - SUBJECT TO (Q) BELOW, A FLEXIBLE PIPE JOINT SHALL BE PROVIDED WITHIN THE FOLLOWING DISTANCES FROM ANY MANHOLE CONNECTION:
    - WITHIN 48-INCHES FOR REINFORCED CONCRETE (RC) PIPE, AND
    - WITHIN 60-INCHES FOR PVC PIPE LARGER THAN 15-INCH DIAMETER,
  - NO FLEXIBLE JOINT SHALL BE REQUIRED FOR D.I. PIPE OR FOR PVC PIPE UP THROUGH 15-INCH DIAMETER, AND
  - WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED IN LIEU OF A CONE SECTION, PROVIDED THE SLAB HAS AN ECCENTRIC ENTRANCE OPENING AND IS CAPABLE OF SUPPORTING H-20 LOADS.
- MANHOLE TESTING:
  - MANHOLES SHALL BE TESTED FOR LEAKAGE USING A VACUUM TEST.
  - THE MANHOLE VACUUM TEST SHALL CONFORM TO THE FOLLOWING:
    - THE INITIAL VACUUM GAUGE TEST PRESSURE SHALL BE 10 INCHES Hg; AND
    - THE MINIMUM ACCEPTABLE TEST HOLD TIME FOR A 1-INCH Hg PRESSURE DROP TO 9 INCH Hg SHALL BE:
      - NOT LESS THAN 2 MINUTES FOR MANHOLES LESS THAN 10 FEET DEEP IN DEPTH;
      - NOT LESS THAN 2.5 MINUTES FOR MANHOLES 10 TO 15 FEET DEEP; AND
      - NOT LESS THAN 3 MINUTES FOR MANHOLES MORE THAN 15 FEET DEEP.
  - THE MANHOLE SHALL BE REPAIRED AND RETESTED IF THE TEST HOLD TIMES FAIL TO ACHIEVE THE ACCEPTANCE LIMITS SPECIFIED IN (B) ABOVE.
  - INVERTS AND SHELVES SHALL NOT BE INSTALLED UNTIL AFTER SUCCESSFUL TESTING IS COMPLETED.
  - FOLLOWING COMPLETION OF THE LEAKAGE TEST, THE FRAME AND COVER SHALL BE PLACED ON TOP OF THE MANHOLE OR SOME OTHER MEANS USED TO PREVENT ACCIDENTAL ENTRY BY UNAUTHORIZED PERSONS, CHILDREN OR ANIMALS UNTIL THE CONTRACTOR IS READY TO MAKE FINAL ADJUSTMENTS TO GRADE.



FOR CONSTRUCTION IN ROADS, ROAD SHOULDER AND WALKWAYS



CROSS COUNTRY EARTH CONSTRUCTION



CROSS COUNTRY EARTH CONSTRUCTION WITH SHEETING

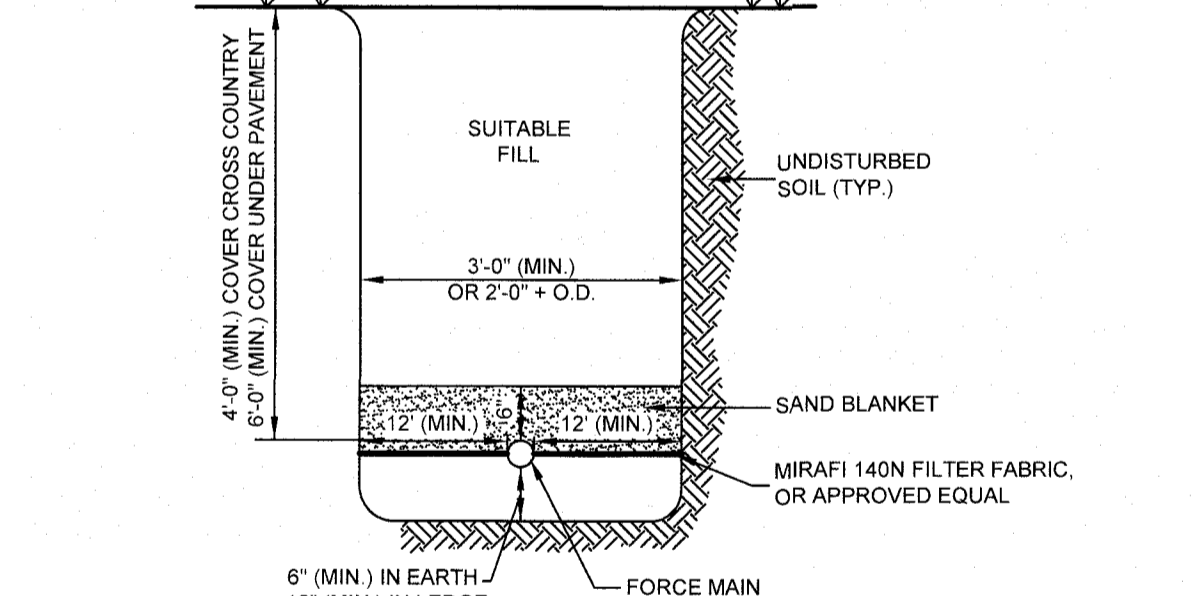
SANITARY SEWER TRENCH DETAIL NOT TO SCALE (NOVEMBER 2016)

NOTES:

- ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE. REFILL WITH BEDDING MATERIAL. ALSO SEE NOTE #7.
  - BEDDING: CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33/C33M STONE SIZE NO. 67.
  - 100% PASSING 1 INCH SCREEN
  - 90 - 100% PASSING 3/4 INCH SCREEN
  - 20 - 55% PASSING 3/8 INCH SCREEN
  - 0 - 10% PASSING #4 SIEVE
  - 0 - 5% PASSING #8 SIEVE
- WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, GRADED CRUSHED STONE 1/2 INCH TO 1-1/2 INCHES SHALL BE USED.
- SAND BLANKET: GRADED CLEAN SAND FREE FROM ORGANIC MATTER, SO THAT 100% PASSES A 1/2 INCH SIEVE AND NOT MORE THAN 15% WILL PASS A # 200 SIEVE. BLANKET MAY BE OMITTED FOR CAST IRON, DUCTILE IRON AND REINFORCED CONCRETE PIPE PROVIDED, HOWEVER, THAT NO STONE LARGER THAN 2 INCHES IS IN CONTACT WITH THE PIPE.
- MIRAFI 140 N FILTER FABRIC, OR APPROVED EQUAL, SHALL BE INSTALLED ABOVE PIPE.
- SUITABLE MATERIAL: IN ROADS, ROAD SHOULDERS, WALKWAYS AND TRAVELED WAYS SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL AND ALL ROCKS OVER 6 INCHES IN LARGEST DIMENSION, OR ANY MATERIAL WHICH, AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A STABLE CONDITION.
- IN CROSS COUNTRY CONSTRUCTION, SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOIL, LOAM, MUCK OR PEAT IF HE/SHE IS SATISFIED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT EASY ACCESS TO THE SEWER WILL BE PRESERVED FOR MAINTENANCE AND POSSIBLY RECONSTRUCTION, WHEN NECESSARY.

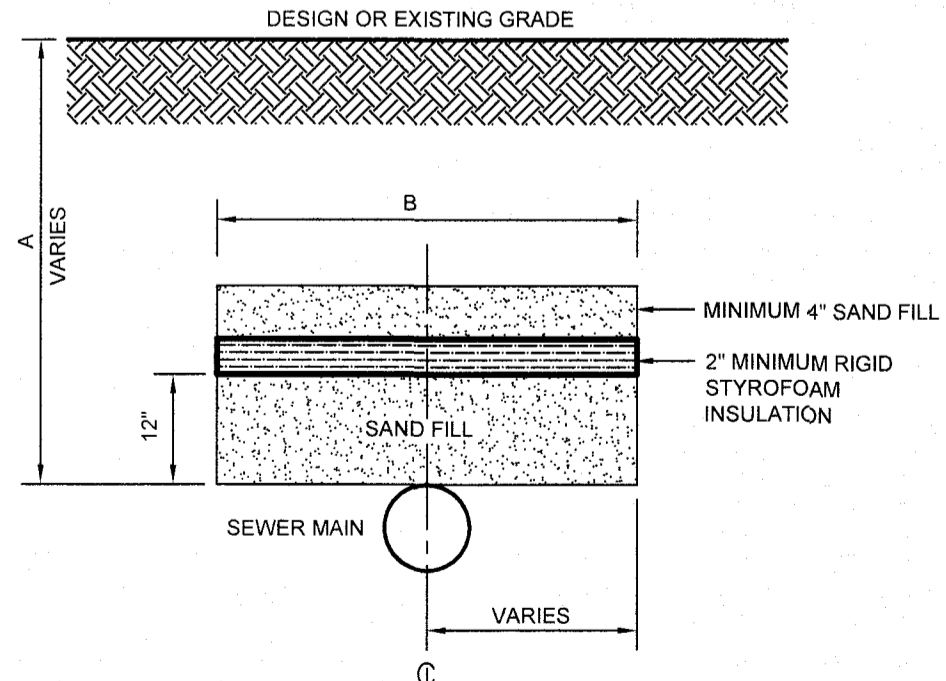
NOTES:

- BASE COURSE, IF ORDERED BY THE ENGINEER, SHALL MEET THE REQUIREMENTS OF DIVISION 300 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF NEW HAMPSHIRE, DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS."
- WOOD SHEETING, IF REQUIRED, WHERE PLACED ALONGSIDE THE PIPE AND EXTENDING BELOW MID-DIAMETER, SHALL BE CUT OFF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE, WHERE SHEETING IS ORDERED BY THE ENGINEER TO BE LEFT IN PLACE, IT SHALL BE CUT OFF AT LEAST 3 FEET BELOW FINISHED GRADE, BUT NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE.
- W = MAXIMUM ALLOWABLE TRENCH WIDTH TO A PLANE 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER OR LESS, W SHALL BE NO MORE THAN 36 INCHES. FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS PIPE O.D. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE.
- FOR CROSS COUNTRY CONSTRUCTION, BACKFILL OR FILL SHALL BE MOUNDING TO A HEIGHT OF 6 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES DESIGN STANDARDS REQUIRE 10 FEET OF SEPARATION BETWEEN WATER AND SEWER. HOWEVER, SHOULD CONSTRUCTION REVEAL OR EXPOSE A WATERLINE (MAIN OR SERVICE) RUNNING APPROXIMATELY PARALLEL AND LESS THAN 10 FEET HORIZONTALLY FROM THE PROPOSED SEWER, INSTALLATION AND WHERE IT IS NOT PRACTICAL TO RELOCATE THE SEWER, IN ACCORDANCE WITH THE FORCE MAIN CONSTRUCTION REQUIREMENT SPECIFIED BELOW:
  - FORCE MAINS SHALL BE CONSTRUCTED FROM DUCTILE IRON, HIGH DENSITY POLYETHYLENE, OR PVC PER ENV-WQ 704.06(a).
  - PVC SHALL CONFORM TO ASTM D2241-05 OR ASTM D1785-05
  - HOPE SHALL CONFORM TO ASTM D3035-03
  - D.I. SHALL BE CORROSION PROTECTED IN CORROSIVE ENVIRONMENTS



- NOTES:
- ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE. REFILL WITH BEDDING MATERIAL. ALSO SEE NOTE #7.
    - BEDDING: CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33/C33M STONE SIZE NO. 67.
    - 100% PASSING 1 INCH SCREEN
    - 90 - 100% PASSING 3/4 INCH SCREEN
    - 20 - 55% PASSING 3/8 INCH SCREEN
    - 0 - 10% PASSING #4 SIEVE
    - 0 - 5% PASSING #8 SIEVE
  - WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, GRADED CRUSHED STONE 1/2 INCH TO 1-1/2 INCHES SHALL BE USED.
  - SAND BLANKET: GRADED CLEAN SAND FREE FROM ORGANIC MATTER, SO THAT 100% PASSES A 1/2 INCH SIEVE AND NOT MORE THAN 15% WILL PASS A # 200 SIEVE. BLANKET MAY BE OMITTED FOR CAST IRON, DUCTILE IRON AND REINFORCED CONCRETE PIPE PROVIDED, HOWEVER, THAT NO STONE LARGER THAN 2 INCHES IS IN CONTACT WITH THE PIPE.
  - MIRAFI 140 N FILTER FABRIC, OR APPROVED EQUAL, SHALL BE INSTALLED ABOVE PIPE.
  - SUITABLE MATERIAL: IN ROADS, ROAD SHOULDERS, WALKWAYS AND TRAVELED WAYS SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL AND ALL ROCKS OVER 6 INCHES IN LARGEST DIMENSION, OR ANY MATERIAL WHICH, AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A STABLE CONDITION.
  - IN CROSS COUNTRY CONSTRUCTION, SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOIL, LOAM, MUCK OR PEAT IF HE/SHE IS SATISFIED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT EASY ACCESS TO THE SEWER WILL BE PRESERVED FOR MAINTENANCE AND POSSIBLY RECONSTRUCTION, WHEN NECESSARY.

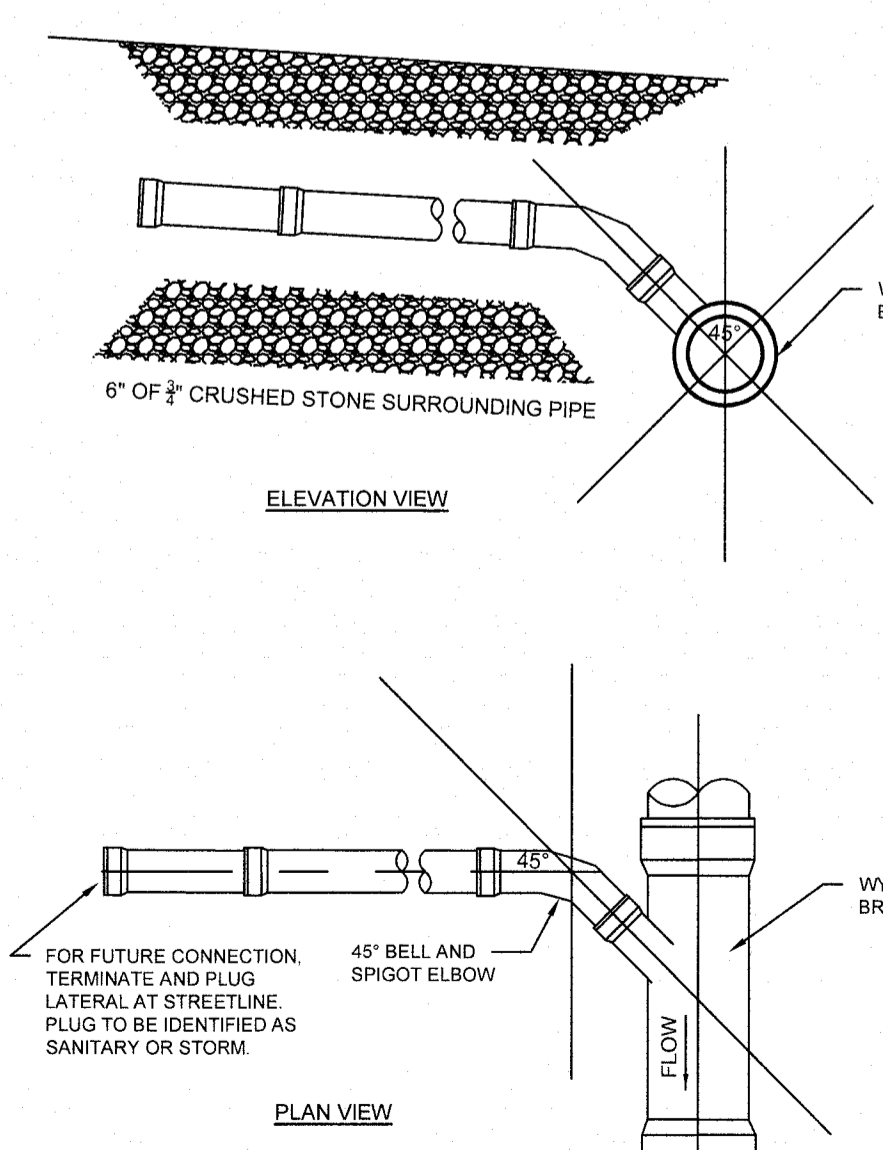
SEWER FORCE MAIN/PRESSURE SEWER TRENCH DETAIL NOT TO SCALE (JUNE 2015)



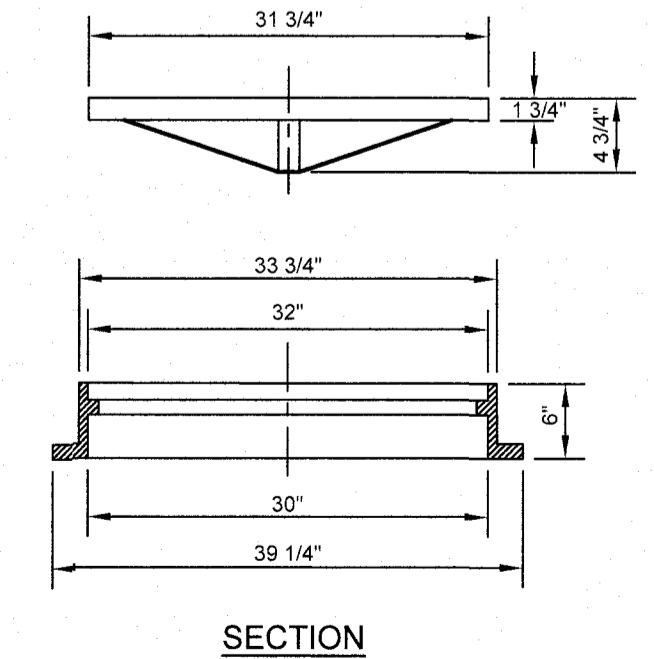
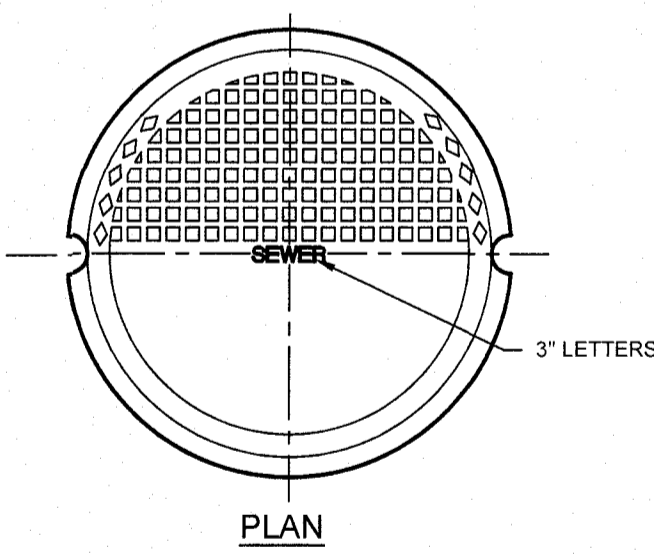
NOTE: PIPE SHALL BE CENTERED UNDER INSULATION UNLESS OTHERWISE SPECIFIED.

COVER OVER PIPE - A	WIDTH OF INSULATING BOARD - B
2'-0"	11'-0"
3'-0"	9'-0"
4'-0"	7'-0"
5'-0"	5'-0"
6'-0"	3'-0"

SEWER MAIN INSULATION DETAIL NOT TO SCALE (AUGUST 2011)



WYE CONNECTION DETAIL NOT TO SCALE



SEWER MANHOLE FRAME AND COVER DETAIL NOT TO SCALE (MARCH 2008)

## CONSTRUCTION DETAILS

### THE Q AT MILFORD

MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<p><b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596</p>	<p><b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060</p>
---	---

**KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023	SCALE: AS SHOWN
PROJECT NO: 21-1216-1	SHEET 43 OF 46

**TURF ESTABLISHMENT SCHEDULE**

- PURPOSE:**  
TO ESTABLISH AND MAINTAIN PERMANENT AND TEMPORARY TURF AREAS, RESTORE GROWTH TO EXISTING TURF AREAS DISTURBED DURING CONSTRUCTION AND CONTROL SOIL EROSION.
- PREPARATION AND EXECUTION:**
1. RAKE THE SURFACE OF ALL AREAS TO BE LOAMED AND SEED TO REMOVE RUBBISH, STICKS, ROOTS AND STONES LARGER THAN 1 INCH.
  2. PLACE LOAM OVER AREAS TO BE SEED AND SPREAD
  3. FINE GRADE SURFACE AND SUPPLEMENT WITH SUITABLE LOAM WHERE NEEDED TO CREATE A UNIFORM SURFACE ACCORDING TO THE FINISH GRADES INDICATED; TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED. NO LOAM SHALL BE SPREAD IF THE SUBGRADE IS EXCESSIVELY WET OR FROZEN.
  4. APPLY LIVE EVENLY OVER LOAM SURFACE AND THOROUGHLY INCORPORATE LIVE INTO THE LOAM BY HEAVY RAKING TO AT LEAST ONE-HALF THE DEPTH OF THE LOAM.
  5. APPLY NO PHOSPHATE, SULFUR OR FERTILIZER MIX WITH THE UPPER 2 INCHES OF LOAM.
  6. DETERMINE APPROPRIATE MIXTURE FOR AREA TO BE SEED BASED ON EXAMINATION OF PROJECT PLANS, UNIFORMLY SPREAD THE SEED BY BROADCASTING OR HYDROSEEDING. IF BROADCASTING, LIGHTLY RAKE INTO THE PREPARED SURFACE AND ROLL. IF HYDROSEEDING, USE 4 TIMES THE RECOMMENDED RATE OF INOCULANT. AFTER SEED IS SPREAD, WATER THOROUGHLY WITH A FINE SPRAY.
  7. SEEDING FOR PERMANENT COVER SHALL OCCUR BETWEEN SEPTEMBER 15 AND OCTOBER 15 AND BETWEEN APRIL 15 AND JUNE 15. SEEDING SHALL NOT BE DONE DURING WINDY WEATHER, WHEN THE GROUND IS FROZEN OR EXCESSIVELY WET OR OTHERWISE UNTILABLE.
  8. WITHIN 24 HOURS AFTER SEEDING OPERATION, UNIFORMLY MULCH THE AREA WITH STRAW. ANCHOR MULCH ON ALL SLOPES EXCEEDING 3:1 USING MULCH NETTING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER.
  9. PROTECT AND PREVENT ANY WASHOUTS, ANY WASHOUTS WHICH OCCUR SHALL BE PROMPTLY REGRADED AND RESEEDED.
  10. WHEN IT IS IMPRACTICAL TO ESTABLISH PERMANENT GROWTH ON DISTURBED EARTH BY OCTOBER 15, A TEMPORARY SEED MIXTURE SHALL BE USED. WHEN TEMPORARY SEEDING CANNOT ESTABLISH VISIBLE GROWTH, THE DISTURBED AREA SHALL BE COVERED WITH SIX INCHES OF MULCH FOR THE WINTER.

- MAINTENANCE:**  
ALL SEEDED AREAS SHALL BE KEPT WATERED AND IN GOOD CONDITION. RESEED AS NECESSARY TO ESTABLISH HEALTHY UNIFORM GROWTH OVER THE ENTIRE SEEDED AREA. MAINTAIN SEEDED AREAS IN AN APPROVED CONDITION UNTIL FINAL ACCEPTANCE. MAINTENANCE SHALL INCLUDE REPAIRS FOR DAMAGE CAUSED BY EROSION.
- APPLICATION RATES:**
1. LOAM SHALL BE APPLIED AT A MINIMUM COMPACTED THICKNESS OF 4 INCHES.
  2. LIME SHALL BE APPLIED AT A RATE OF 75 TO 100 POUNDS PER 1,000 S.F.
  3. FERTILIZER SHALL BE APPLIED AT A RATE OF 30 POUNDS PER 1,000 S.F. IT IS RECOMMENDED THAT THE SOIL BE TESTED PRIOR TO APPLYING ANY FERTILIZERS TO DETERMINE WHAT LEVELS AND RATES ARE NECESSARY.
  4. SEED MIXTURE FOR LAWN AREAS SHALL BE APPLIED AT A RATE OF AT LEAST 80 POUNDS PER ACRE OR 2 POUNDS PER 1,000 S.F.
  5. TEMPORARY SEED MIXTURE SHALL BE APPLIED AT A RATE OF 2 POUNDS PER 1,000 S.F.
  6. SEED MIXTURE FOR SLOPE AREAS SHALL BE APPLIED AT A RATE OF 80 POUNDS PER ACRE OR 2 POUNDS PER 1,000 S.F.
  7. SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS SHALL BE APPLIED AT A RATE OF 70 POUNDS PER ACRE OR 1.6 POUNDS PER 1,000 S.F.
  8. MULCH SHALL BE APPLIED AT A RATE OF 90 POUNDS PER 1,000 S.F.

- MATERIALS:**
1. LOAM USED FOR TOPSOIL SHALL BE FRIABLE, FERTILE, NATURAL FREE-DRAINING LOAM, FREE OF ROOTS, GRASS, STICKS, WEEDS, CLAY, SOD LUMPS, DEBRIS AND STONES LARGER THAN 1 INCH IN ANY DIMENSION. SOIL SHALL NOT BE EXCESSIVELY ACID OR ALKALINE AND CONTAIN NO TOXIC MATERIALS.
  2. LIME SHALL BE GROUND LIMESTONE CONTAINING NO LESS THAN 95% CALCIUM AND MAGNESIUM CARBONATES.
  3. FERTILIZER SHALL BE NO PHOSPHORUS, SLOW RELEASE.
  4. SEED MIXTURE FOR LAWN AREAS SHALL BE 99% PURE LIVE SEED AND CONSIST OF THE FOLLOWING:  
25% CREEPING RED FESCUE  
25% KENTUCKY BLUEGRASS  
25% REDTOP  
25% MANHATTAN PERENNIAL RYEGRASS
  5. TEMPORARY SEEDING MIXTURE SHALL BE AN APPROVED CONSERVATION MIX OR CONSIST OF THE FOLLOWING:  
15% BLACKWELL OR SHELTER SWITCHGRASS  
30% NIAGRA OR KAW BIG BLUESTEM  
30% CAMPER OR BLAZE LITTLESTEM  
15% NE-Z7 OR BLAZE SAND LOVEGRASS  
10% VIKING BIRDSFOOT TREFLOID  
INOCULUM SPECIFIC TO BIRDSFOOT TREFLOID MUST BE USED WITH THIS MIXTURE. IF SEEDING BY HAND, A STICKING AGENT SHALL BE USED. IF SEEDING WITH A HYDROSEEDER, USE FOUR TIMES THE RECOMMENDED AMOUNT OF INOCULUM.
  6. SEED MIXTURE FOR SLOPE AREAS SHALL BE 99% PURE LIVE SEED AND SHALL CONSIST OF THE FOLLOWING:  
30% CREEPING RED FESCUE  
40% PERENNIAL RYE GRASS  
15% REDTOP  
15% BIRDSFOOT TREFLOID  
IN ADDITION TO THE MIX SPECIFIED ABOVE, CROWN VETCH SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1. CROWN VETCH SHALL BE APPLIED AT A RATE OF 10 POUNDS PER ACRE AND INOCULUM SPECIFIC TO CROWN VETCH MUST BE USED.
  7. SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS, INCLUDING DETENTION BASINS AND VEGETATED TREATMENT SWALES SHALL CONSIST OF THE FOLLOWING:  
25% CREEPING RED FESCUE  
15% SWITCH GRASS  
15% CREEPING BENTGRASS  
10% FLATPEA  
20% WILDFLOWER VARIETY  
IN ADDITION TO THE MIX SPECIFIED ABOVE, CROWN VETCH SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1. CROWN VETCH SHALL BE APPLIED AT A RATE OF 10 POUNDS PER ACRE AND INOCULUM SPECIFIC TO CROWN VETCH MUST BE USED.
  8. STRAW USED FOR MULCH SHALL CONSIST OF MOWED AND PROPERLY CURED GRASS OR LEGUME MOWINGS, FREE FROM WEEDS, TWIGS, DEBRIS OR OTHER DELETERIOUS MATERIAL AND ROT OR MOLD.
  9. NATIVE PLANTINGS SHOULD BE USED FOR ALL NEW GREENSCAPES.
  10. ALL WILDFLOWER SEEDING MIXES SHOULD BE FREE OF INVASIVE SPECIES.

**CONSTRUCTION SEQUENCE**

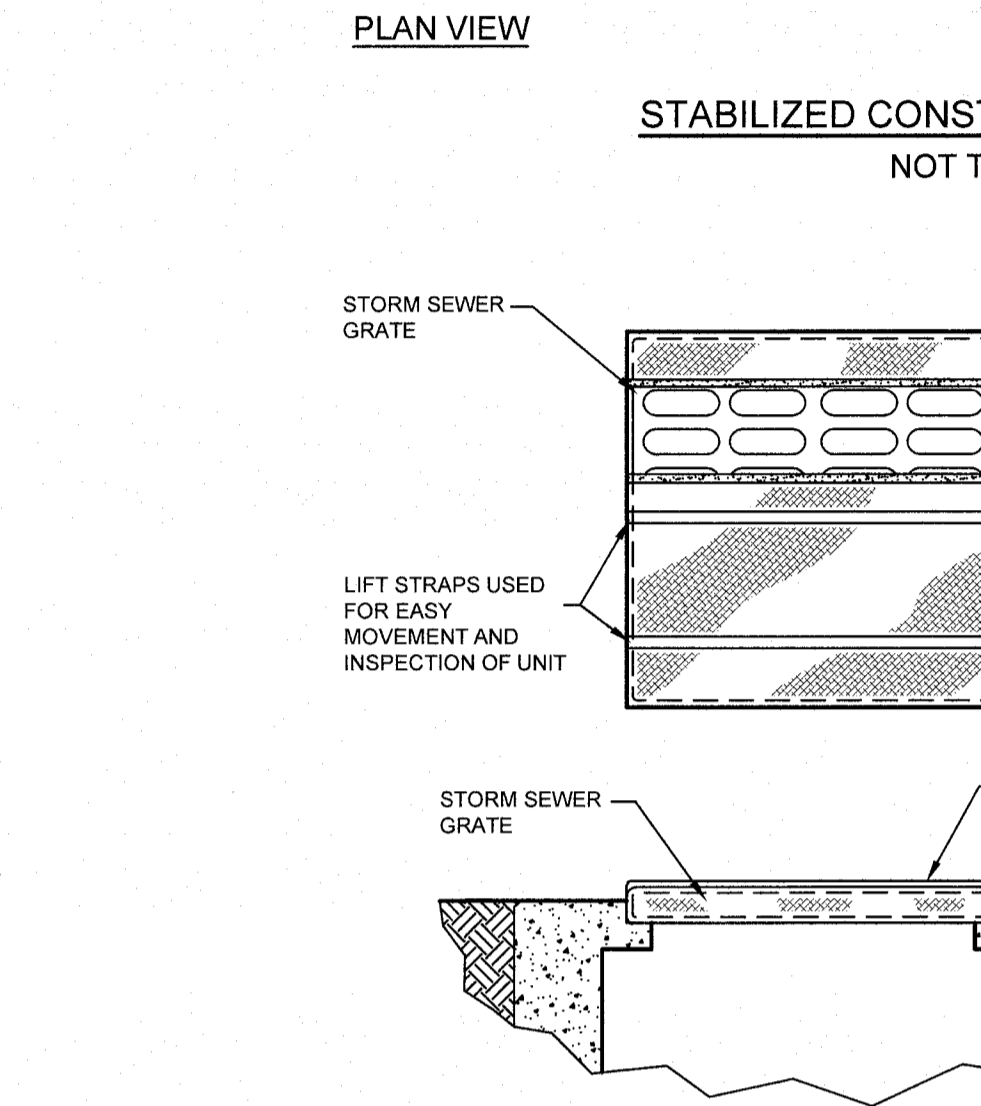
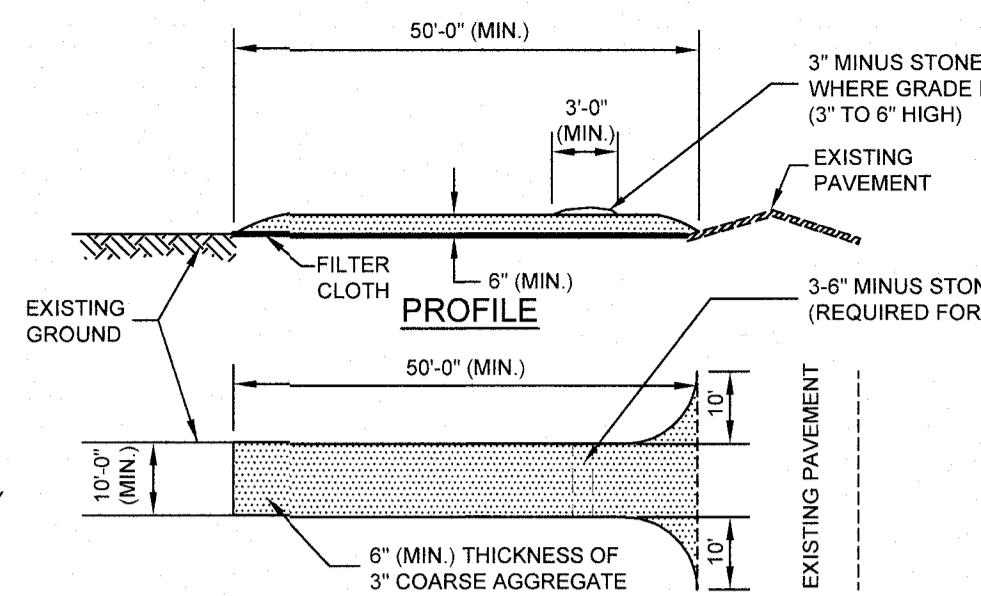
1. THE CONTRACTOR WILL ENSURE THAT NO MORE THAN 5 ACRES IS DISTURBED AT ANY ONE TIME.
2. FIRST CUT AND CLEAR TREES AND BRUSH ONLY WITHIN DESIGNATED LIMITS OF CLEARING AS NECESSARY TO FACILITATE PROPOSED CONSTRUCTION. ALL TREES, BRANCHES AND OTHER VEGETATIVE MATERIALS SHALL BE PROPERLY DISPOSED OFF SITE BY THE CONTRACTOR. THIS PROJECT IS MANAGED TO MEET THE REQUIREMENTS OF THE STATE OF NEW HAMPSHIRE'S REGULATIONS REGARDING INVASIVE SPECIES.
3. PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS, ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES, INCLUDING SPECIFIED PERIMETER SILTATION FENCING AND STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT PLANS.
4. COMPLETE GRUBBING OPERATIONS, ALL STUMPS AND SIMILAR ORGANIC DEBRIS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. NATIVE ORGANIC SOIL MATERIALS SUBJECTED TO TOPSOIL SHALL BE STOCKPILED WITHIN AREA OUT OF THE WAY OF OTHER CONSTRUCTION ACTIVITIES AND DRAINAGE FLOW. STOCKPILES SHALL BE TEMPORARILY SEEDED WITH WINTER RYE AND BE SURROUNDED WITH STRAW BALES AND/OR FABRIC SILTATION FENCE IN ORDER TO PREVENT LOSS DUE TO EROSION.
5. BEGIN EARTHMOVING OPERATIONS, COMMENCING WITH WORK NEEDED TO BALANCE SITE AND FACILITATE BUILDING FOUNDATION AND RETAINING WALL CONSTRUCTION. PERMANENT DOWNSLOPE WORK SHALL BE PROTECTED FROM UPGRADIENT STORMWATER FLOW BY THE CONSTRUCTION OF TEMPORARY EARTHEN DIKES OR EXCAVATED SWALES.
6. ONCE BUILDING FOUNDATION WORK IS UNDERWAY, CONTINUE EARTHMOVING OPERATIONS UNTIL DESIGN SUBGRADE IS ACHIEVED.
7. DETENTION BASINS/SWALES SHALL BE INSTALLED BEFORE ROUGH GRADING THE SITE.
8. DITCHES/SWALES/BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
9. TEMPORARY WATER DIVERSION (SWALES, BASINS, ETC.) MUST BE USED AS NECESSARY UNTIL SOILS ARE STABILIZED.
10. INSTALL DRAINAGE SWALE SYSTEMS AND OTHER UTILITIES WORKING FROM LOW TO HIGH. INCOMPLETE WORK SHALL BE PROTECTED FROM SILTATION BY THE USE OF SILTATION BARRIERS AROUND SWALES UNTIL THE SITE HAS BECOME FULLY STABILIZED.
11. DEEPLY TILL THE BASE OF THE INFILTRATION BASIN TO RESTORE INFILTRATION RATES FOLLOWED BY A PASS WITH A LEVELING DRAG. STORMWATER FLOWS ARE NOT TO BE DIRECTED TO THE INFILTRATION AREA UNTIL CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
12. PLACE GRAVEL AND CRUSHED GRAVEL OVER PROPOSED DRIVEWAY, WALKS AND PARKING AREAS AND COMPACT IN SPECIFIED LIFT THICKNESS.
13. COMPLETE EXCAVATION/STABILIZATION GRADING ACTIVITIES. WHEN COMPLETE, IMMEDIATELY BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY, TO LEAVE A THICKNESS OF 4 INCHES OF FRIABLE LOAM.
14. FINE GRADE ALL FUTURE TURF AREAS AND HYDROSEED WITH THE SPECIFIED SEED MIXTURE IMMEDIATELY AFTER FINE GRADING IS COMPLETED. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
15. INSTALL THE BINDER COURSE OF PAVEMENT OVER ALL DESIGNATED AREAS.
16. CONTINUE TO MONITOR AND RECTIFY MINOR SITE AND SLOPE EROSION UNTIL ENTIRE SITE APPEARS TO BE COMPLETELY STABILIZED AND VEGETATED WITH A HEALTHY STAND OF TURF OR GROUND COVER. MAINTAIN SPECIFIED SILTATION/EROSION CONTROL MEASURES THROUGH ONE WINTER.
17. INSTALL THE SPECIFIC WEARING COURSE OF PAVEMENT OVER THE BINDER COURSE.
18. COMPLETE INSTALLATION OF LANDSCAPING, SIGNAGE AND OTHER SITE AMENITIES.

**CERTIFICATE OF OCCUPANCY PHASING PLAN AGREEMENT:**

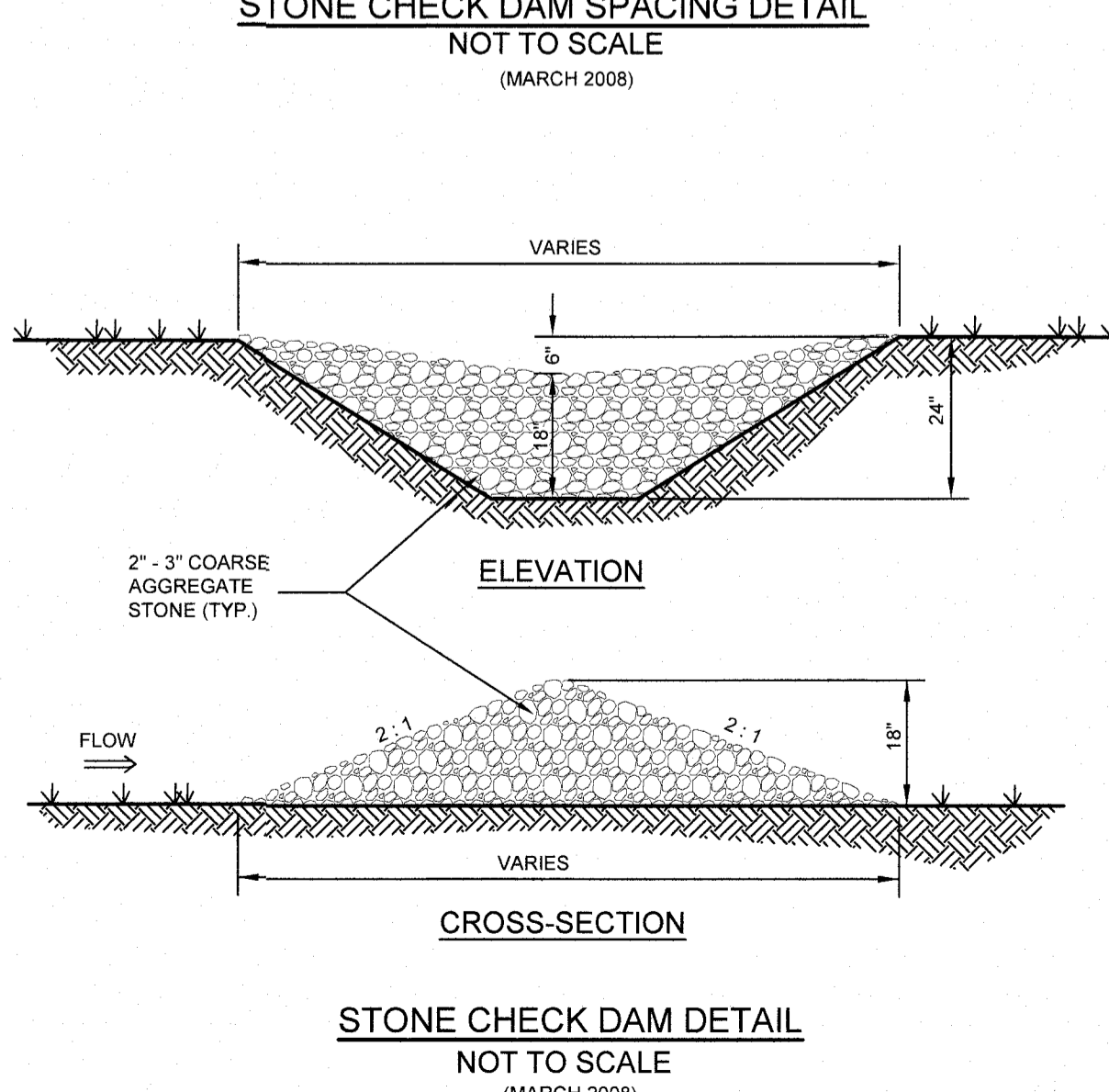
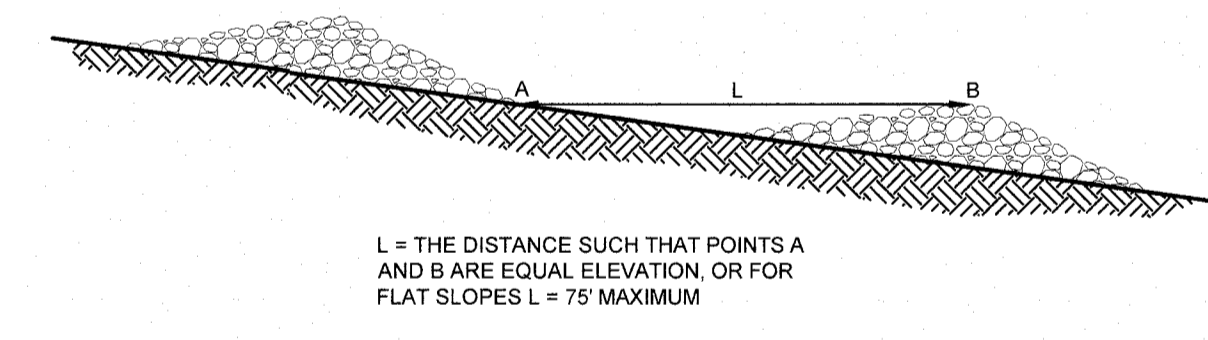
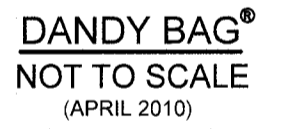
1. THE FOLLOWING SITE IMPROVEMENTS ARE REQUIRED FOR INDIVIDUAL CERTIFICATES OF OCCUPANCY AS CONSTRUCTION PROGRESSES:  
A. ROAD BASE COAT,  
B. STOP SIGNS AND TEMPORARY STRIPING OF STOP BARS,  
C. GRADING AND DRAINAGE,  
D. LOAM AND SEED THAT SUPPORTS THE SUBJECT UNIT OF THE CERTIFICATE OF OCCUPANCY,  
E. TEMPORARY STRIPING OF VISITOR PARKING, AND  
F. UTILITIES

**EROSION CONTROL NOTES**

1. EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. AT NO TIME SHALL MORE THAN FIVE (5) ACRES OF SITE AREA BE IN AN UNSTABLE CONDITION UNLESS AN ENVIRONMENTAL MONITOR IS EMPLOYED THROUGH THE DURATION OF CONSTRUCTION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING FORTY-FIVE (45) CALENDAR DAYS.
2. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN OPERATION OF THE INDIVIDUAL SITE CONTRACTOR MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OF RAINFALL OR MORE. THEY SHALL BE CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL DISTURBED AREAS DESIGNATED TO BE TURF, SHALL RECEIVE A MINIMUM APPLICATION OF 4 INCHES OF LOAM (COMPACTED THICKNESS) PRIOR TO FINAL SEEDING AND MULCHING.
4. EROSION CONTROL AND STABILIZATION SHALL BE IN ACCORDANCE WITH HILLSBOROUGH COUNTY CONSERVATION DISTRICT-VEGETATIVE STANDARD AND SPECIFICATIONS FOR SEEDING GRASSES AND LEGUMES FOR LONG-TERM COVER ON EXCAVATED AREAS.
5. ALL SWALES AND DITCHES SHALL BE PERIODICALLY CLEANED OF DEPOSITED SEDIMENT SO AS TO MAINTAIN AN EFFECTIVE GRADE AND CROSS SECTION. ALL SWALES AND DITCHES SHALL BE FULLY STABILIZED PRIOR TO HAVING STORMWATER DIRECTED TOWARDS THEM.
6. IN THE EVENT THAT, DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE ALL INCOMPLETE WORK AND PROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.
7. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:  
A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED,  
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED,  
C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR  
D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
8. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD, IN ACCORDANCE WITH ENV-A 1000.
9. IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODS LOGICALLY MAY WARRANT.
10. THE TOWN RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES DURING CONSTRUCTION.
11. AREAS HAVING FINISH GRADE SLOPES OF 3:1 OR STEEPER, SHALL BE STABILIZED WITH JUTE MATTING WHEN AND IF FIELD CONDITIONS WARRANT, OR IF SO ORDERED. JUTE MATTING INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL, "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION."
12. DETENTION BASINS/SWALES SHALL BE STABILIZED BEFORE ROUGH GRADING THE SITE.
13. DITCHES/SWALES/BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
14. TEMPORARY WATER DIVERSION (SWALES, BASINS, ETC.) MUST BE USED AS NECESSARY UNTIL SOILS ARE STABILIZED.
15. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
16. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

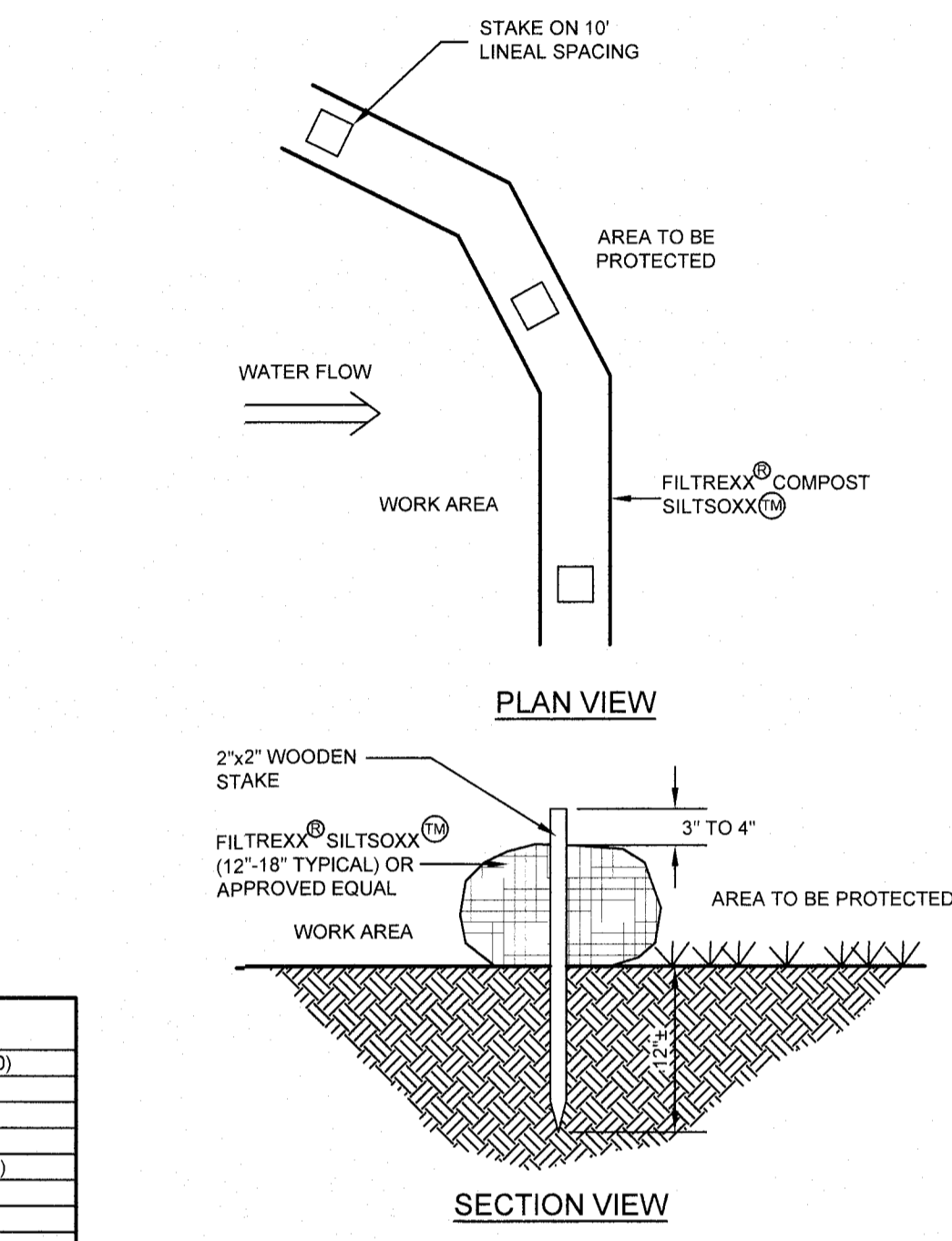


MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1.62 (365) x 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 x 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
UV RESISTANCE	ASTM D 4356	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec <sup>-1</sup>	2.1

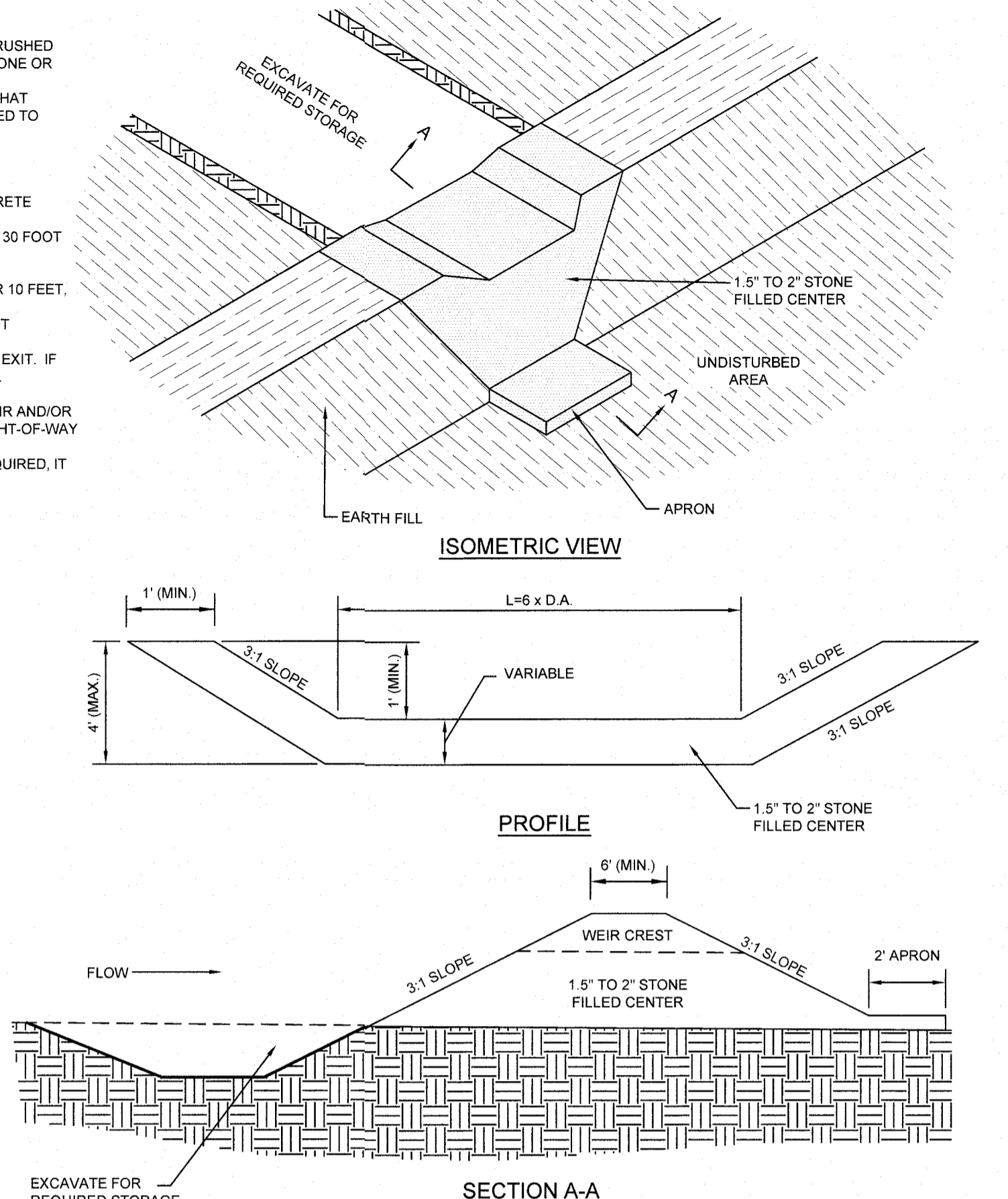
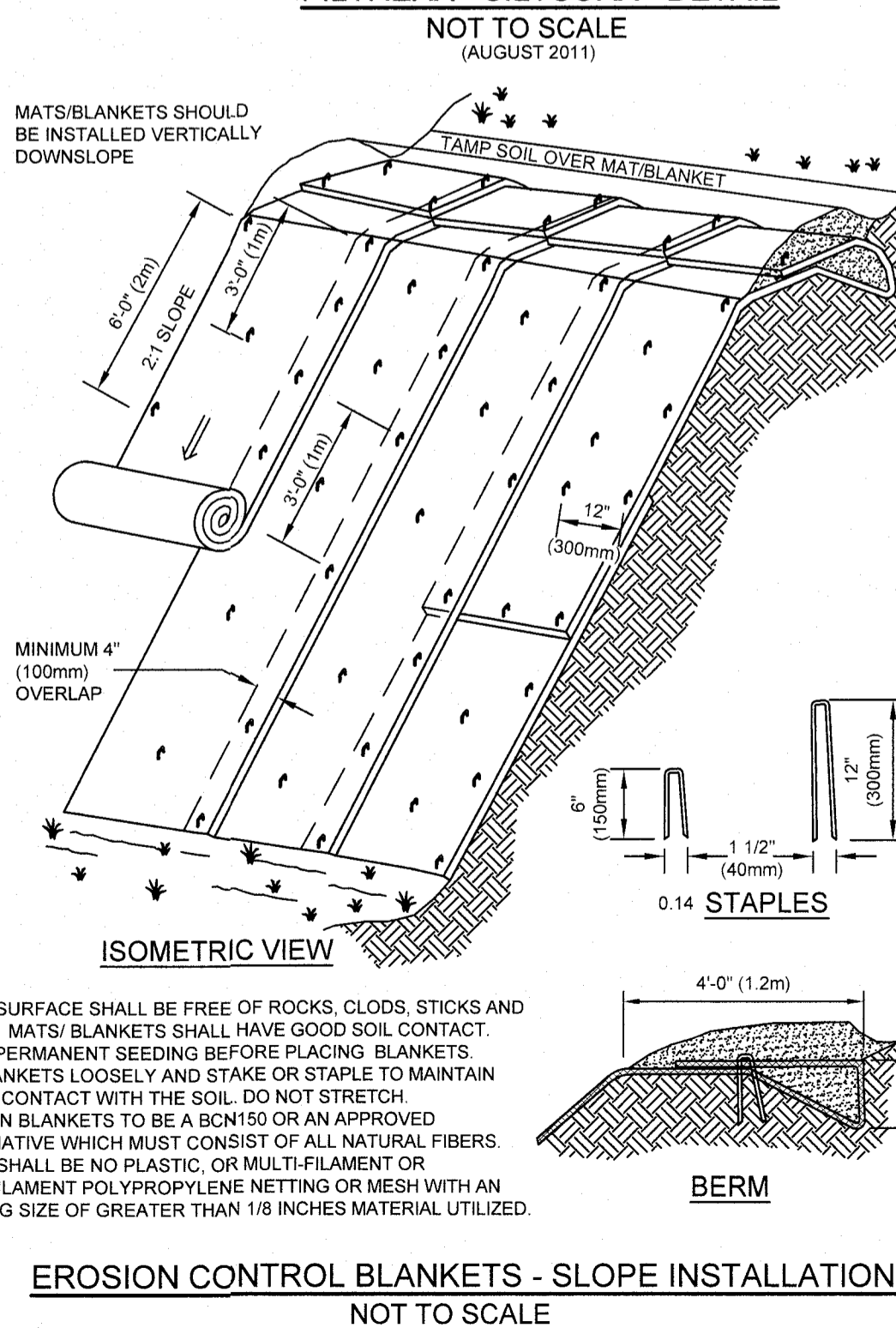


- MAINTENANCE:**
1. MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTIVENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW CRUSHED STONE OR COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.
  2. IF WASHING FACILITIES ARE USED, THE SEDIMENT TRAPS SHOULD BE CLEANED OUT AS OFTEN AS NECESSARY TO ASSURE THAT ADEQUATE TRAPPING EFFICIENCY AND STORAGE VOLUME IS AVAILABLE. VEGETATIVE FILTER STRIPS SHOULD BE MAINTAINED TO INSURE A VIGOROUS STAND OF VEGETATION AT ALL TIMES.

- CONSTRUCTION SPECIFICATIONS:**
1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 3 INCH MINIMUM STONE, RECLAIMED STONE OR RECYCLED CONCRETE EQUIVALENT.
  2. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
  3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 6 INCHES.
  4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE AREA WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
  5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
  6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
  7. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
  8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  9. THE MOUNTABLE BERM IS REQUIRED FOR 50' LONG EXITS.



- NOTES:**
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
  2. SILTSOXX® COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
  3. SILTSOXX® DEPICTED IS FOR MINIMUM SLOPES. GREAT SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
  4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.



- NOTES:**
1. THE TRAP SHALL BE INSTALLED AS CLOSE TO THE DISTURBED AREA OR SOURCE OF SEDIMENT AS POSSIBLE.
  2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
  3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
  4. THE SIDE SLOPES OF THE TRAP SHALL BE 3:1 OR FLATTER AND SHALL BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
  5. THE OUTLET OF THE TRAP SHALL BE A MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP AND SHALL DISCHARGE TO A STABILIZED AREA.
  6. THE TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.
  7. THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF IMMEDIATELY AFTER THE TRAP IS STABILIZED.
  8. SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE STABILIZED.

**WINTER CONSTRUCTION NOTES:**

1. ALL PROPOSED POST-DEVELOPMENT VEGETATED 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 4:1, 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 EVENTS.
2. 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, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHOOT ITEM 304.3 OR, IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON, BE CLEARED OF ANY ACCUMULATED SNOW BEFORE EACH STORM EVENT.
4. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:  
A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED,  
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED,  
C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR  
D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

**CONSTRUCTION DETAILS**  
**THE Q AT MILFORD**  
MAP 43; BLOCK 69  
0 PONEMAH HILL ROAD  
MILFORD, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUCC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	--

**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023 SCALE: AS SHOWN  
PROJECT NO: 21-1216-1 SHEET 44 OF 46

**TP #1**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 18"  
 ROOTS @ 34"  
 SEEPS @ 24"  
 REFUSAL NONE @ 62"

0"	10YR 3/3 SANDY LOAM, GRANULAR, FRIABLE
8"	10YR 5/4 GRAVELLY SANDY LOAM
22"	2.5Y 5/4 LOAMY SAND, GRANULAR, FRIABLE
32"	2.5Y 6/4 RESTRICTIVE, MASSIVE, FIRM
62" BOTTOM OF HOLE	

**TP #2**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 29"  
 ROOTS @ 29"  
 SEEPS @ 22"  
 REFUSAL NONE @ 67"

0"	10YR 2/2 SANDY LOAM, GRANULAR, VERY FRIABLE
8"	10YR 5/4 SANDY LOAM, SUB ANGULAR BLOCKY, FRIABLE
29"	2.5Y 6/4 RESTRICTIVE, MASSIVE, FIRM REDOX @ 29" 7.5Y 5/6
67" BOTTOM OF HOLE	

**TP #3**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 24"  
 ROOTS @ 25"  
 SEEPS @ 62"  
 REFUSAL NONE @ 72"

0"	10YR 2/2 SANDY LOAM, GRANULAR, VERY FRIABLE
3"	10YR 5/4 SANDY LOAM, FRIABLE, SUB ANGULAR BLOCKY
24"	2.5Y 6/4 SANDY LOAM TO SAND
72" BOTTOM OF HOLE	

**TP #4**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 13"  
 ROOTS @ 13"  
 SEEPS @ 33.5"  
 REFUSAL @ 58"

0"	10YR 2/2 SANDY LOAM, VERY FRIABLE, WEAK GRANULAR
4"	10YR 4/4 SANDY LOAM, FRIABLE, SUB ANGULAR BLOCKY CONCENTRATIONS @ 4" 10YR 4/6
18"	2.5Y 4/3 SANDY LOAM, FIRM, MASSIVE REDOX @ 18" 2.5Y 5/2
58" BOTTOM OF HOLE	

**TP #5**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 24"  
 ROOTS @ 28"  
 SEEPS @ 43"  
 REFUSAL NONE @ 64"

0"	10YR 2/2 FINE SANDY LOAM, GRANULAR, FRIABLE
5"	10YR 4/4 SANDY LOAM, SUB ANGULAR BLOCKY, FRIABLE
21"	2.5Y 4/3 LOAMY SAND, MASSIVE, FRIABLE RESTRICTIVE @ 24"
64" BOTTOM OF HOLE	

**TP #6**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. NONE @ 27"  
 ROOTS @ 22"  
 SEEPS NONE @ 27"  
 REFUSAL @ 27"

0"	10YR 2/2 SANDY LOAM, VERY FRIABLE, WEAK GRANULAR
4"	10YR 3/6 SANDY LOAM, GRANULAR, FRIABLE
18"	2.5Y 5/3 SANDY LOAM, MASSIVE, FIRM
27" BOTTOM OF HOLE	

**TP #7**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 34"  
 ROOTS @ 36"  
 SEEPS NONE @ 60"  
 REFUSAL @ 60"

0"	10YR 2/2 SANDY LOAM, GRANULAR, FRIABLE
4"	10YR 4/6 SANDY LOAM, SUB ANGULAR BLOCKY, FRIABLE
22"	2.5Y 5/3 SANDY LOAM, FIRM, MASSIVE
60" BOTTOM OF HOLE	

**TP #8**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 33"  
 ROOTS @ 60"  
 SEEPS @ 76"  
 REFUSAL NONE @ 84"

0"	10YR 2/2 SANDY LOAM, GRANULAR, FRIABLE
4"	10YR 4/6 SANDY LOAM, SUB ANGULAR BLOCKY, FRIABLE
20"	2.5Y 5/3 SANDY LOAM, FIRM, MASSIVE
84" BOTTOM OF HOLE	

**TP #9**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 28"  
 ROOTS @ 44"  
 SEEPS @ 48"  
 REFUSAL NONE @ 70"

0"	10YR 2/1 FINE SANDY LOAM, VERY FRIABLE, GRANULAR
4"	10YR 4/6 SANDY LOAM, FRIABLE, SUB ANGULAR BLOCKY
28"	2.5Y 5/3 SANDY LOAM, FIRM, MASSIVE REDOX @ 28" 10YR 5/6
70" BOTTOM OF HOLE	

**TP #10**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. @ 28"  
 ROOTS @ 45"  
 SEEPS NONE @ 57"  
 REFUSAL NONE @ 57"

0"	10YR 2/2 SANDY LOAM, VERY FRIABLE, WEAK GRANULAR STRUCTURE
4"	10YR 5/6 SANDY LOAM, FRIABLE
28"	2.5Y 4/2 ROTTEN ROCK, SANDY LOAM, MASSIVE, FIRM
57" BOTTOM OF HOLE	

**TP #11**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. NONE @ 34"  
 ROOTS @ 18"  
 SEEPS NONE @ 34"  
 REFUSAL NONE @ 34"

0"	10YR 2/1 SANDY LOAM, BLOCKY, FRIABLE
8"	2.5Y 4/3 SANDY LOAM, BLOCKY, FRIABLE, GRANITE SLABS 80% BACK FILLED WITH QUARRIED STONE
34" BOTTOM OF HOLE	

**TP #12**  
 LOGGED BY CKD  
 DATE: 5-2-2022  
 E.S.H.W.T. NONE @ 63"  
 ROOTS @ 32-42"  
 SEEPS NONE @ 63"  
 REFUSAL NONE @ 63"

0"	2.5Y 4/3 SANDY LOAM, FILL
32"	10YR 3/2 LOAMY SAND
42"	2.5Y 5/4 SANDY LOAM
50"	2.5Y 5/3 SANDY LOAM
63" BOTTOM OF HOLE	

**TP #13**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: 36"  
 WATER ENCOUNTERED: 34"

0"	TOPSOIL
6"	10YR 6/2, GRAVELLY SAND FILL
24"	10YR 5/4, FIRM SANDY LOAM, BLOCKY, REDOX BELOW 34"
34" BOTTOM OF E.S.H.W.T.	
36" BOTTOM OF HOLE	

**TP #14**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: 48"  
 WATER ENCOUNTERED: 46"

0"	TOPSOIL/FILL
20"	10YR 6/4, FIRM SANDY LOAM, BLOCKY, REDOX BELOW 46"
46" BOTTOM OF E.S.H.W.T.	
48" BOTTOM OF HOLE	

**TP #15**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: NONE  
 WATER ENCOUNTERED: NONE

0"	TOPSOIL
6"	10YR 5/4 SANDY LOAM
24" E.S.H.W.T.	10YR 6/2, FIRM SILTY LOAM W/ REDOX
84" BOTTOM OF HOLE	

**TP #16**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: 48"  
 WATER ENCOUNTERED: 36"

0"	TOPSOIL/FOREST MAT
4"	10YR 4/6 SANDY LOAM, STONES
36" E.S.H.W.T.	10YR 6/6, FIRM SAND, BLOCKY W/ REDOX
48" BOTTOM OF HOLE	

**TP #17**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: 48"  
 WATER ENCOUNTERED: NONE

0"	FOREST MAT
6"	10YR 6/6, GRANULAR, FRIABLE SANDY LOAM, COBBLES, ROOTS
24" E.S.H.W.T.	10YR 6/4, FIRM LOAMY SAND
30"	10YR 7/2, FIRM, SAND, W/ REDOX FEATURES
48" BOTTOM OF HOLE	

**TP #18**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: NONE  
 WATER ENCOUNTERED: 48"

0"	FOREST MAT
6"	10YR 5/6, GRANULAR, FRIABLE SANDY LOAM, COBBLES, ROOTS
12"	2.5Y 6/4, GRANULAR FRIABLE SAND
24" E.S.H.W.T.	10YR 6/2, FIRM SAND, PLATEY
56"	10YR 5/2, FIRM, SAND, BLOCKY W/ REDOX FEATURES
80" BOTTOM OF HOLE	

**TP #19**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: NONE  
 WATER ENCOUNTERED: 48"

0"	FOREST MAT
6"	10YR 5/6, GRANULAR, FRIABLE SANDY LOAM, COBBLES, ROOTS
12"	2.5Y 6/4, GRANULAR FRIABLE SAND
24" E.S.H.W.T.	10YR 6/2, FIRM SAND, PLATEY
56"	10YR 5/2, FIRM, SAND, BLOCKY W/ REDOX FEATURES
80" BOTTOM OF HOLE	

**TP #20**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: NONE  
 WATER ENCOUNTERED: 32"

0"	FOREST MAT
12"	10YR 6/6 LOAMY SAND
18" E.S.H.W.T.	10YR 7/4, FIRM SAND, BLOCKY W/ REDOX
84" BOTTOM OF HOLE	

**TP #21**  
 LOGGED BY GPC  
 PERC TEST @ 20"  
 DATE: 11-15-2022  
 PERC RATE: 10 MIN./INCH IMPERVIOUS LAYER: NONE  
 WATER ENCOUNTERED: 32"

0"	FOREST MAT
12"	10YR 6/6 LOAMY SAND
18" E.S.H.W.T.	10YR 7/4, FIRM SAND, BLOCKY W/ REDOX
84" BOTTOM OF HOLE	

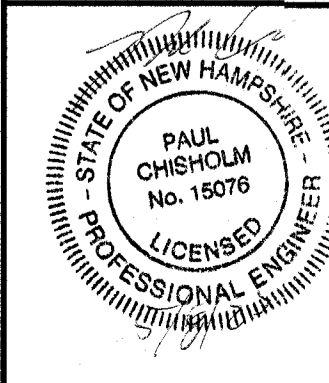
**TEST PIT LOGS**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDUC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA**  
 KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM

DATE: FEBRUARY 9, 2023      SCALE: AS SHOWN  
 PROJECT NO: 21-1216-1      SHEET 45 OF 46



**PHASING NOTES:**

- THE PURPOSE OF THIS PLAN IS TO DEPICT THE PROPOSED CONSTRUCTION PHASING FOR THE PROJECT.
- CONSTRUCTION SHALL BE COMPLETED IN THE FOLLOWING TWO PHASES:
  - PHASE 1 (233,771 SF)
    - CLEAR & GRUB
    - BLASTING (SEE ENV-WQ 1505.03)
    - INTERNAL ROADWAY & WETLAND CROSSINGS
    - STORMWATER PONDS & INFRASTRUCTURE
    - BUILDING 'A' WITH PARKING LOT
    - SEWER LINE WITH STUBS & PUMP STATION
    - WATER LINE WITH STUBS
    - UGT & UCE WITH STUBS
  - PHASE 2 (304,891 SF)
    - CLEAR & GRUB
    - BLASTING (SEE ENV-WQ 1505.03)
    - BUILDINGS 'B' THRU 'G'
    - CONNECT UTILITY STUBS
    - ASSOCIATED PARKING LOTS
    - FINISH GRADING
    - TURF ESTABLISHMENT
    - LANDSCAPING
- ALL PHASES MUST BE PROPERLY STABILIZED BEFORE MOVING ONTO SUCCESSIVE PHASES.

**ENV-WQ 1505.03:**

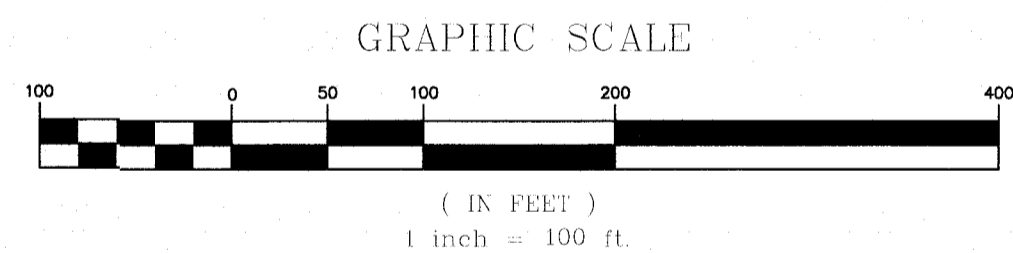
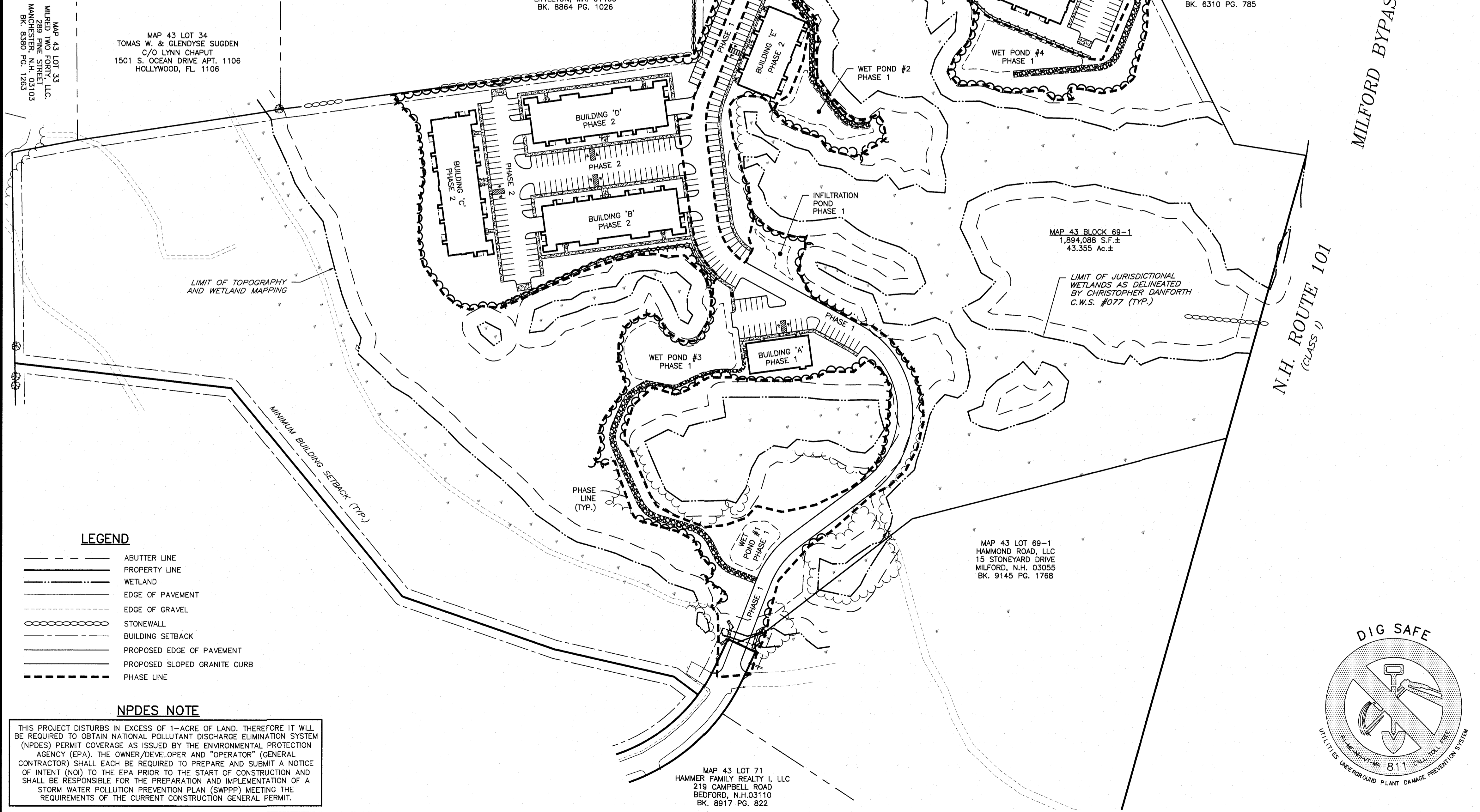
- ALL AREAS OF UNSTABILIZED SOIL SHALL BE:
  - TEMPORARILY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 45 DAYS OF INITIAL DISTURBANCE, UNLESS A SHORTER TIME IS SPECIFIED BY LOCAL AUTHORITIES, THE CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT, OR AN INDEPENDENT MONITOR; AND
  - PERMANENTLY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 3 DAYS OF FINAL GRADING.
- SUBJECT TO (C) AND (F), BELOW, THE AREA OF UNSTABILIZED SOIL SHALL NOT EXCEED 5 ACRES AT ANY TIME.
- THE DEPARTMENT SHALL AUTHORIZE AN APPLICANT TO DISTURB MORE THAN 5 ACRES AT ONE TIME IF THE APPLICANT:
  - SUBMITS DOCUMENTATION THAT THE REQUIRED AREAS OF EARTH CUTS AND FILLS ARE SUCH THAT AN AREA OF DISTURBANCE OF 5 ACRES OR LESS WOULD UNREASONABLY LIMIT THE CONSTRUCTION SCHEDULE;
  - SUBMITS A CONSTRUCTION SEQUENCE PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST; AND
  - EMPLOYS AN ENVIRONMENTAL MONITOR DURING CONSTRUCTION.
- SUBJECT TO (E), BELOW, THE ENVIRONMENTAL MONITOR SHALL:
  - INSPECT THE PROJECT SITE AT LEAST ONCE EACH WEEK FROM THE START OF TERRAIN ALTERATION ACTIVITIES UNTIL ALL TERRAIN ALTERATION ACTIVITIES ARE COMPLETED AND THE SITE IS STABILIZED;
  - IN ADDITION TO REGULAR WEEKLY INSPECTIONS, INSPECT THE PROJECT SITE DURING ANY RAIN EVENT IN WHICH 0.5 INCH OF PRECIPITATION OR MORE FALLS WITHIN A 24 HOUR PERIOD, PROVIDED THAT IF THE ENVIRONMENTAL MONITOR IS UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THE RAIN EVENT;
  - SUBMIT A WRITTEN REPORT, STAMPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, TO THE DEPARTMENT WITHIN 24 HOURS OF EACH INSPECTION THAT:
    - DESCRIBES THE PROGRESS OF THE PROJECT, INCLUDING WHETHER ALL CONDITIONS OF THE PERMIT ARE BEING MET AND, IF NOT, WHICH REQUIREMENTS ARE NOT BEING MET;
    - IF ANY REQUIREMENTS ARE NOT BEING MET, AN EXPLANATION OF THE CORRECTIVE ACTION(S) THAT WILL BE OR ARE BEING TAKEN TO BRING THE PROJECT INTO COMPLIANCE WITH APPLICABLE REQUIREMENTS AND THE DEADLINE BY WHICH SUCH ACTIONS WILL BE COMPLETED; AND
    - INCLUDES PHOTOGRAPHS OF THE SITE THAT ARE REPRESENTATIVE OF THE PROJECT; AND
  - RETAIN A COPY OF THE REPORT PREPARED PURSUANT TO (3), ABOVE, ON-SITE FOR REVIEW DURING SITE INSPECTIONS BY FEDERAL, STATE, AND LOCAL OFFICIALS.
- ROUTINE INSPECTION FREQUENCY MAY BE REDUCED FROM ONCE EACH WEEK TO AT LEAST ONCE EACH MONTH IF EITHER OF THE FOLLOWING CONDITIONS IS MET:
  - WORK HAS BEEN SUSPENDED AND THE ENTIRE SITE IS STABILIZED IN ACCORDANCE WITH ENV-WQ 1505.04; OR
  - RUNOFF IS UNLIKELY BECAUSE:
    - THE GROUND IS FROZEN OR THE SITE IS COVERED WITH SNOW OR ICE; AND
    - THE PROJECT IS IN AN AREA WHERE FROZEN CONDITIONS ARE ANTICIPATED TO CONTINUE FOR MORE THAN ONE MONTH.
- IF THE SITE IS WITHIN 50 FEET OF SURFACE WATER, HAS A GRADE OF 25% OR GREATER, OR CONTAINS SOILS HAVING AN ERODIBILITY FACTOR OF 0.4 OR GREATER, OR ANY COMBINATION OF THESE, THE OWNER SHALL, REGARDLESS OF THE SIZE OF THE OPEN AREA:
  - SUBMIT A CONSTRUCTION SEQUENCE PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST;
  - EMPLOY AN ENVIRONMENTAL MONITOR; AND
  - COMPLY WITH (D) AND (E), ABOVE.

**BEST MANAGEMENT PRACTICES FOR BLASTING**

IF MORE THAN 5,000 CUBIC YARDS ARE BLASTED:  
 IDENTIFY DRINKING WATER WELLS LOCATED WITHIN 2,000 FEET OF THE PROPOSED BLASTING ACTIVITIES. DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE AND NITRITE EITHER IN THE DRINKING WATER SUPPLY WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. THE PLAN MUST INCLUDE PRE AND POST BLAST WATER QUALITY MONITORING AND BE APPROVED BY NHDES PRIOR TO INITIATING BLASTING. THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY NHDES.

**BEST MANAGEMENT PRACTICES FOR BLASTING:**

- ALL ACTIVITIES RELATED TO BLASTING SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT CONTAMINATION OF GROUNDWATER INCLUDING PREPARING, REVIEWING AND FOLLOWING AN APPROVED BLASTING PLAN; PROPER DRILLING, EXPLOSIVE HANDLING AND LOADING PROCEDURES; OBSERVING THE ENTIRE BLASTING PROCEDURES; EVALUATING BLASTING PERFORMANCE; AND HANDLING AND STORAGE OF BLASTED ROCK.
- LOADING PRACTICES. THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
    - DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INCLUDE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS.
    - EXPLOSIVE PRODUCTS SHALL BE MANAGED ON SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
    - SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL.
    - LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED.
    - LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT.
    - EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE NEED TO BE ATTENDED TO.
  - EXPLOSIVE SELECTION. THE FOLLOWING BMPs SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED:
    - EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION.
    - EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER.
  - PREVENTION OF MISFIRES. APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
  - MUCK PILE MANAGEMENT. MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES:
    - REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE.
    - MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT CONTAMINATION OF WATER SUPPLY WELLS OR SURFACE WATER.
  - SPILL PREVENTION MEASURES AND SPILL MITIGATION. SPILL PREVENTION AND SPILL MITIGATION MEASURES SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES SHALL INCLUDE AT A MINIMUM:
    - THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
      - STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE.
      - SECURE STORAGE AREAS AGAINST UNAUTHORIZED ENTRY.
      - LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY.
      - INSPECT STORAGE AREAS WEEKLY.
      - COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS.
      - WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS.
      - SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE, EXCEPT FOR ON PREMISE USE HEATING FUEL TANKS, OR ABOVEGROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED.
    - THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:
      - EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED.
      - PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS.
      - HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS.
      - USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES.
      - PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
      - THE TRAINING OF ON-SITE EMPLOYEES AND THE ON-SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES.
    - FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NOTE THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT" OR ITS SUCCESSOR DOCUMENT.



**CONSTRUCTION PHASING PLAN**  
**THE Q AT MILFORD**  
 MAP 43; BLOCK 69  
 0 PONEMAH HILL ROAD  
 MILFORD, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

<b>OWNER OF RECORD:</b> SALT CREEK PROPERTIES, LLC PO BOX 967 AMHERST, NH 03031 H.C.R.D. BK. 8420 PG. 1596	<b>OWNER/APPLICANT:</b> TM BOLDOC HOLDINGS, LLC 131 BURKE STREET, SUITE A NASHUA, NH 03060
--	---

**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	4/24/23	REVISED PER AOT & PB COMMENTS	PCM
2	5/3/23	REVISED PER AOT COMMENTS	PCM
DATE: FEBRUARY 9, 2023		SCALE: 1" = 100'	
PROJECT NO: 21-1216-1		SHEET 46 OF 46	



**LEGEND**

- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- STONEWALL
- BUILDING SETBACK
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB
- PHASE LINE

**NPDES NOTE**

THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.