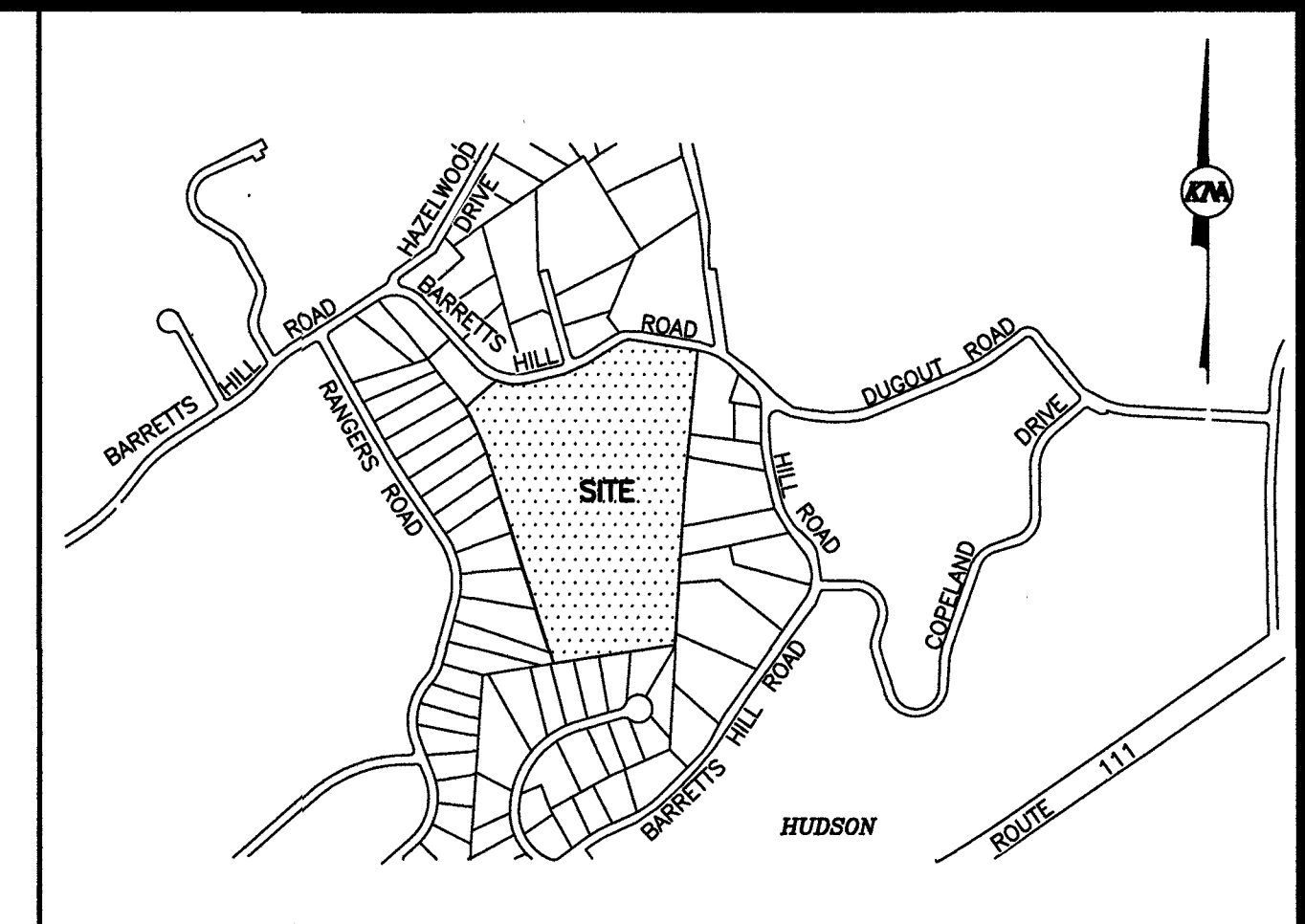


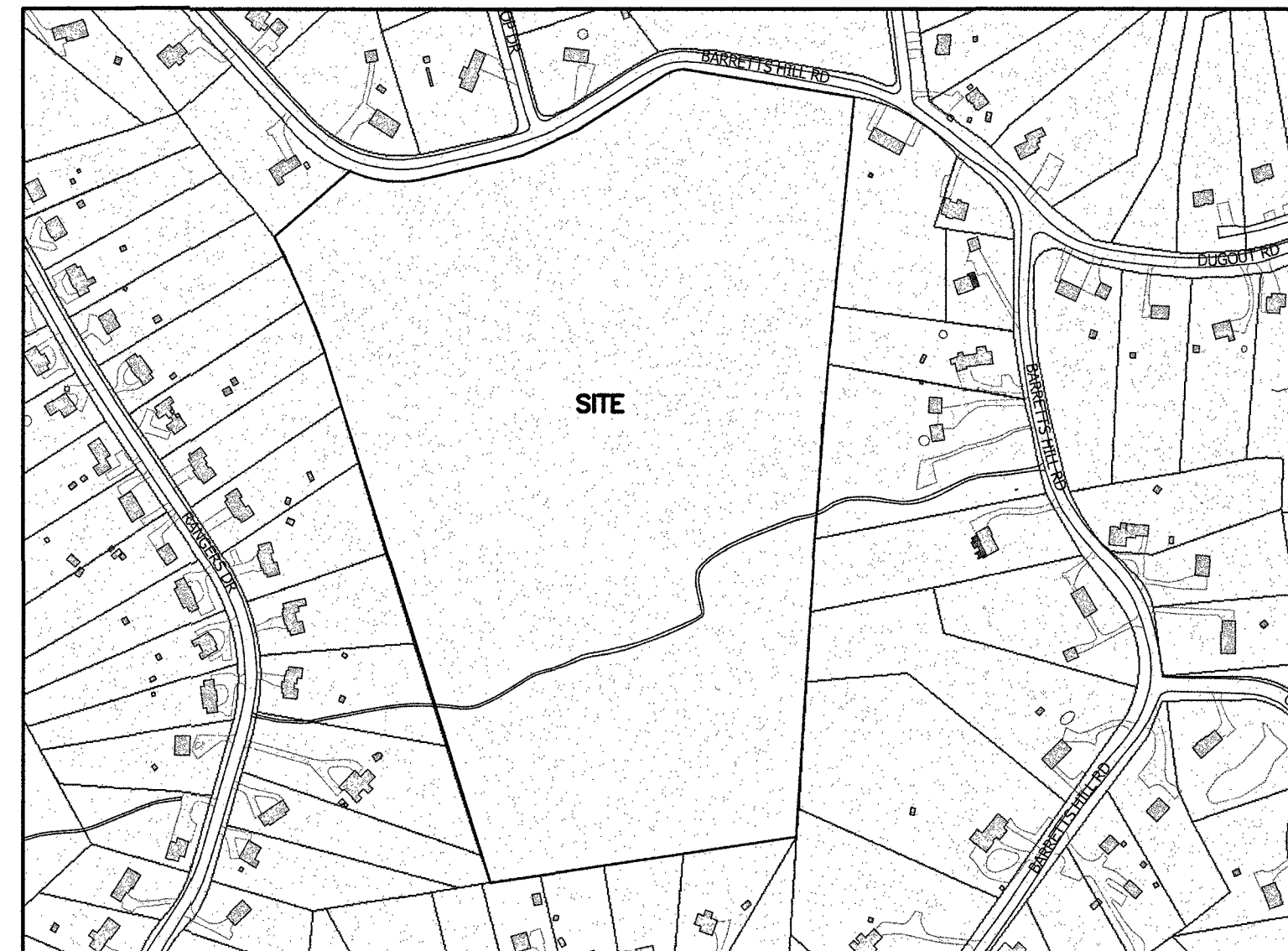
VICINITY PLAN  
NOT TO SCALE

# RESIDENTIAL SUBDIVISION BARRETT HILL SUBDIVISION

MAP 151; LOT 59  
75 BARRETTS HILL ROAD  
HUDSON, NEW HAMPSHIRE



LOCATION PLAN  
SCALE: 1" = 1000'±



EXISTING FEATURES WITHIN 200 FT  
NOT TO SCALE

**WILDLIFE PROTECTION NOTES:**

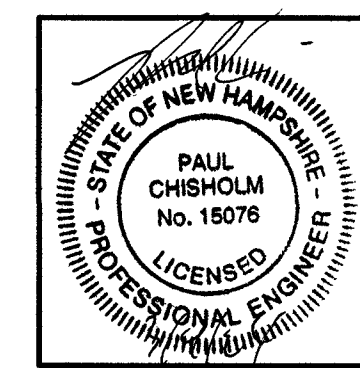
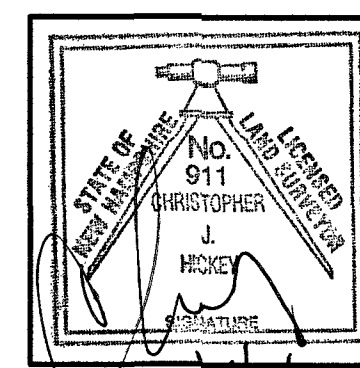
- ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED IMMEDIATELY TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV. EMAIL SUBJECT LINE: NHB23-3253, BARRETT HILL SUBDIVISION, WILDLIFE SPECIES OBSERVATION.
- PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION AS FEASIBLE.
- 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 NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G. IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY JEOPARDIZE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN FIS 1002.04.
- THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

**OWNER/APPLICANT:**

BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NEW HAMPSHIRE 03054

**PREPARED BY:**

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



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

DECEMBER 6, 2023

LAST REVISED: MARCH 4, 2024

PROJECT NO. 23-0414-1

**SHEET TITLE**

- PROJECT NOTES
- MASTER SUBDIVISION PLAN
- SUBDIVISION PLAN
- MASTER TOPOGRAPHIC SUBDIVISION PLAN
- TOPOGRAPHIC SUBDIVISION PLAN
- ROADWAY PLAN & PROFILES
- GRADING & DRAINAGE PLAN
- OFFSITE GRADING, DRAINAGE & EROSION CONTROL PLAN
- EROSION CONTROL PLAN
- SIGHT DISTANCE PLAN & PROFILE
- DRAINAGE PROFILES
- DRIVEWAY PROFILES
- CONSTRUCTION DETAILS
- TEST PIT LOGS
- CONVENTIONAL SUBDIVISION YIELD PLAN

**SHEET No.**

- 1
- 2
- 3 - 4
- 5
- 6 - 7
- 8 - 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16 - 22
- 23
- 24

PA\_20230324\_11:00:00 Production Drawing 23-0414-1-DETAIL.dwg, 3/4/2024 9:10:07 AM, V:\24-0001\PA\_230324

**NOTES:**

- THE PURPOSE OF THIS PLAN IS TO DEPICT A PROPOSED 13 LOT RESIDENTIAL OPEN SPACE DEVELOPMENT ON ASSESSOR'S MAP 151 LOT 59 IN HUDSON, NEW HAMPSHIRE BY CREATING 13 CONDOMINIUM DUPLEX LOTS WITH 6 BEDROOMS EACH & ONE NON-BUILDABLE OPEN SPACE LOT.
- EACH LOT OWNER WITHIN THE OPEN SPACE SUBDIVISION SHALL POSSESS AN EQUAL SHARE OF THE COMMON OPEN SPACE AREA ASSOCIATED WITH THIS DEVELOPMENT.
- TOTAL SITE AREA: 1,540,252 S.F. OR 35.36 ACRES
- OWNER OF RECORD:  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, N.H. 03054  
H.C.R.D. BK. 9700 PG. 287
- THE SUBJECT PARCEL IS LOCATED WITHIN THE GENERAL (G-1) ZONING DISTRICT AND IS SUBJECT TO THE FOLLOWING DIMENSIONAL REQUIREMENTS:  
MINIMUM BUILDING SETBACKS:  
- FRONT 50 FT  
- SIDE 15 FT  
- REAR 15 FT
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY THIS OFFICE FROM APRIL TO NOVEMBER OF 2023.
- ALL DRILL HOLES ARE SET UNLESS OTHERWISE NOTED.
- HORIZONTAL DATUM IS NAD83 AND VERTICAL DATUM IS NAVD88 USING REAL TIME GPS SURVEYING METHODS.
- EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM) FOR THE TOWN OF HUDSON, NEW HAMPSHIRE, HILLSBOROUGH COUNTY, MAP NUMBER 33011C0517D, PANEL NUMBER 517 OF 701 AND MAP NUMBER 33011C0519D, PANEL NUMBER 519 OF 701, EFFECTIVE DATE SEPTEMBER 25, 2009, INDICATE THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED IN A DESIGNATED FLOOD ZONE.
- 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.
- 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.
- THE OPEN SPACE SUBDIVISION IS TO BE SERVICED BY INDIVIDUAL WELLS & INDIVIDUAL SEPTIC SYSTEMS.
- PROPER EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO CLEARING AND EXCAVATION. THE CONTROLS SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL COMPLETION OF CONSTRUCTION. THE TOWN OF HUDSON RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES DURING CONSTRUCTION, IF NECESSARY.
- IF DURING LOT DEVELOPMENT, SLOPES OF 2:1 EXCEED 20 FEET, 3:1 EXCEEDS 30 FEET, OR 4:1 EXCEEDS 40 FEET THE CONTRACTOR SHALL ADD BENCHING PER NHDES REQUIREMENTS.
- OPEN SPACE:  
1. LOT 59 TOTAL AREA = 1,540,252 S.F.  
2. TOTAL REQUIRED OPEN SPACE = 441,145 S.F.  
- MIN. LOT SIZE = 87,120 S.F.  
- TOTAL LOTS = 13  
- TOTAL MIN. LOT SIZE = 1,132,560 S.F.  
- TOTAL PROPOSED BUILDABLE AREA = 688,415 S.F.  
- REQUIRED OPEN SPACE = 1,132,560 - 688,415 = 444,145 S.F.  
3. TOTAL PROPOSED OPEN SPACE = 754,352 S.F.  
AREAS TO BE REMOVED FROM TOTAL OPEN SPACE:  
- ROADWAYS, DRIVEWAYS, RIGHT-OF-WAYS, PARKING AREAS, & OTHER = 59,606 S.F.  
- PSNH EASEMENT = 134,782 S.F.  
- DRAINAGE/ACCESS EASEMENTS = 75,977 S.F.  
- TOTAL = 270,365 SF  
- TOTAL AREA TO BE REMOVED FROM TOTAL OPEN SPACE = 754,352 - 270,365 = 483,987 S.F.  
- TOTAL PROPOSED OPEN SPACE = 483,987 S.F. > 444,145 S.F.
- PERMITS REQUIRED:  
- NHDES ADT  
- NHDES SUBDIVISION  
- NHDES INDIVIDUAL SUBSURFACE DISPOSAL (SEPTIC SYSTEMS)  
- NHDOT EXCAVATION PERMIT
- THE ONSITE DRAINAGE SYSTEM SHALL BE CONSTRUCTED AND MAINTAINED IN COMPLIANCE WITH LOCAL AND NHDES REQUIREMENTS FOR SUCH SYSTEMS.
- IF LOT DEVELOPMENT INVOLVES BLASTING AND/OR RAMMING OF BEDROCK MATERIALS, SAID ACTIVITIES SHALL BE LIMITED TO THE HOURS BETWEEN 7:00 A.M. AND 5:00 P.M. MONDAY THROUGH FRIDAY ONLY. SAID BLASTING / RAMMING ACTIVITIES ARE PROHIBITED ON SATURDAY AND SUNDAY.
- CONSTRUCTION ACTIVITIES INVOLVING THE LOTS SHALL BE LIMITED TO THE HOURS BETWEEN 7:00 A.M. AND 6:00 P.M., MONDAY THROUGH FRIDAY. INTERIOR CONSTRUCTION ACTIVITIES ARE ALLOWED ON SATURDAY 7:00 A.M. AND 6:00 P.M. BOTH INTERIOR AND EXTERIOR CONSTRUCTION ACTIVITIES ARE PROHIBITED ON SUNDAYS.
- STONE BOUNDS (5"x5"x30") TO BE SET AT ALL POINTS OF CURVATURE ON THE RIGHT-OF-WAY AND (4"x36") TO BE SET AT PROPERTY CORNERS ALONG THE RIGHT-OF-WAY. IRON PINS (5/8"x30") TO BE SET AT ALL OTHER BOUNDARY CORNERS.
- 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.
- THIS APPROVAL IS SUBJECT TO FINAL ENGINEERING REVIEW.
- THIS PROJECT MEETS THE 2019 MS4 REQUIREMENTS.
- THIS PLAN SET CONTAINS 23 SHEETS, SHEETS 1 THRU 4 SHALL BE RECORDED IN HILLSBOROUGH COUNTY REGISTRY OF DEEDS AND THE COMPLETE SET IS ON FILE IN THE HUDSON PLANNING DEPARTMENT.
- THERE WILL BE NO EXTERIOR LIGHTING.
- MAXIMUM BUILDING HEIGHT SHALL NOT EXCEED 38 FEET.
- IT IS THE INTENT OF THE APPLICANT TO CONSTRUCT INDIVIDUAL CONDEX UNITS ON EACH PROPOSED BUILDING LOT.
- THE APPLICANT SHALL PROVIDE A BOND FOR ONSITE AND OFFSITE IMPROVEMENTS WITHIN THE EXISTING AND PROPOSED RIGHT-OF-WAY, PRIOR TO RECORDING THE PLANS.
- THE APPLICANT SHALL TRANSFER THE OWNERSHIP OF THE ROAD TO THE TOWN AND TO THE SATISFACTION OF THE TOWN PRIOR TO RECEIVING THE LAST CERTIFICATE OF OCCUPANCY OF THE LAST LOT.
- THE SUBJECT PROPERTY DOES NOT CONTAIN ANY WATER FEATURES OR WETLANDS AS VERIFIED BY CHRISTOPHER DANFORTH, CWS #077.

**WAIVER REQUESTS:**

- THE FOLLOWING WAIVER IS REQUESTED FROM THE TOWN OF HUDSON SUBDIVISION REGULATIONS:
- HTC 289-37(A) - LOT PHASING

**STATE LOT SIZING CALCULATIONS:**

THE PREDOMINANT SOIL GROUP CHATFIELD-HOLLIS COMPLEX. THE MOST RESTRICTIVE UPLAND SLOPE IS "D" MINIMUM LOT LOADING FACTOR USED IS 1.73.

LOT DENSITY FOR OPEN SPACE SUBDIVISION IS:  
TOTAL AREA OF EXISTING PARCEL = 35.36 ACRE  
- WETLAND AREA = 0 ACRES  
- STEEP SLOPES = 8.08 ACRES  
NET AREA FOR LOT LOADING = 28.8 ACRES  
28.8 ACRES x 2,000 GPD/AC./1.73 = 31,537 GPD ALLOWED  
31,537 GPD = 210 BEDROOMS ALLOWED ON LOT (78 PROPOSED)

**REFERENCE PLANS:**

- "LOT LINE RELOCATION TO INCLUDE WELL SURVEYED FOR GEORGE BOYER BARRETT'S HILL ROAD HUDSON, N.H." SCALE: 1"=40'. DATED: JANUARY 10, 1978. PREPARED BY: PIANTIDOSI ASSOCIATES, INC. H.C.R.D. PLAN #11141
- "BOUNDARY PLAN BARRETT'S HILL ROAD HUDSON, NEW HAMPSHIRE. PREPARED FOR: MICHAEL F. CALLAHAN ET.UX." SCALE: 1"=100'. DATED: OCTOBER 5, 1979. PREPARED BY: ALLEN H. SWANSON, INC. H.C.R.D. PLAN #12696
- "DECLARATION OF CONDOMINIUM SITE PLAN HILLTO HOUSE - A CONDOMINIUM-" SCALE: 1"=20'. DATED: AUGUST 6, 1981. PREPARED BY: THOMAS F. MORAN INC. H.C.R.D. PLAN #15313
- "SUBDIVISION PLAN BARRETT'S HILL ROAD HUDSON, N.H. PREPARED FOR JOHN JACOBS." SCALE: 1"=50'. DATED: SEPTEMBER 25, 1985. PREPARED BY: STEVEN J. PATRICK & ASSOCIATES. H.C.R.D. PLAN #19495
- "MALLARD DRIVE SUBDIVISION CONSOLIDATION AND RESUBDIVISION PLAN." SCALE: 1"=80'. DATED: AUGUST, 1985. PREPARED BY: COSTELLO, LOMASNEY & DE NAPOLI, INC. H.C.R.D. PLAN #22145
- "CONSOLIDATION & SUBDIVISION PLAN LOT 54 MAP 31" SCALE: 1"=50'. DATED: AUGUST 1986. PREPARED BY: MAYNARD & PAQUETTE, INC. H.C.R.D. PLAN #22146
- "CONDOMINIUM PLAN OF LAND IN HUDSON, N.H. PREPARED FOR JOHN JACOBS." SCALE: 1"=50'. DATED: AUGUST 30, 1990. PREPARED BY: STEVEN J. PATRICK & ASSOCIATES LAND SURVEYORS. H.C.R.D. PLAN #24824
- "SUBDIVISION PLAN MASINGILL SUBDIVISION 65 BARRETT'S HILL ROAD, HUDSON, N.H." SCALE: 1"=50'. DATED: FEBRUARY 11, 1998. PREPARED BY: JONES & BEACH ENGINEERS, INC. H.C.R.D. PLAN #29219

**SCS SOILS LEGEND**

<b>CaB</b>	CANTON FINE SANDY LOAM, 0-8% SLOPES
<b>CaC</b>	CANTON FINE SANDY LOAM, 8-15% SLOPES
<b>CmC</b>	CANTON FINE SANDY LOAM, 8-15% SLOPES, VERY STONY
<b>CpD</b>	CHATFIELD-HOLLIS-CANTON COMPLEX, 15-25% SLOPES VERY ROCKY
<b>CsC</b>	CHATFIELD-HOLLIS COMPLEX, 8-15% SLOPES, ROCKY
<b>Sr</b>	SCARBORO STONY MUCKY LOAMY SAND
<b>SsB</b>	SCITUATE FINE SANDY LOAM, 0-3 % SLOPES
<b>StB</b>	SCITUATE STONY FINE SANDY LOAM, 3-8% SLOPES

SOURCE: USDA-SCS WEB SOIL SURVEY

**SITE SPECIFIC SOIL MAP UNIT KEY**

SYMBOL	MAP UNIT	SLOPE CLASS	DRAINAGE CLASS	HSG
<b>44BB</b>	SCITUATE	3-8%	MODERATELY WELL DRAINED	C
<b>44BC</b>	SCITUATE	8-15%	MODERATELY WELL DRAINED	C
<b>44BD</b>	SCITUATE	15-25%	MODERATELY WELL DRAINED	C
<b>44B</b>	MONTAUK	3-8%	WELL DRAINED	C
<b>44C</b>	MONTAUK	8-15%	WELL DRAINED	C
<b>44D</b>	MONTAUK	15-25%	WELL DRAINED	C

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.

**TABLE OF SUBDIVISION LOT AREAS**

LOT NUMBER	LOT AREA (SF)	FRONTAGE (FT)	STEEP SLOPES (SF)	WETLANDS (SF)	NON-CONTIGUOUS AREA (SF)	BLA (SF)
59-1	43,785	335.00	0	0	0	43,785
59-2	43,702	195.83	0	0	0	43,702
59-3	62,051	100.00	0	0	0	62,051
59-4	55,409	100.57	0	0	0	55,409
59-5	46,995	102.12	0	0	0	46,995
59-6	46,435	100.52	0	0	0	46,435
59-7	62,521	100.95	18,588	0	0	43,933
59-8	57,445	100.05	5,040	0	0	52,405
59-9	77,869	221.83	6,604	0	0	71,265
59-10	75,659	164.14	4,289	0	0	71,370
59-11	60,124	100.00	3,325	0	0	56,799
59-12	47,988	153.96	32	0	0	47,956
59-13	46,311	195.59	0	0	0	46,311
Totals	726,294		37,879			688,415
Right of Way	59,606	---	---	---	---	
Open Space	754,352	---	---	---	---	
Total	1,540,252					

**PROJECT NOTES**

**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**

BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287



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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: NONE  
PROJECT NO: 23-0414-1 SHEET: 1 OF 24

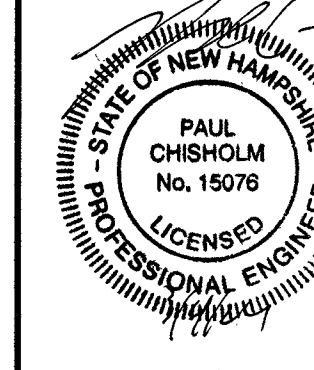
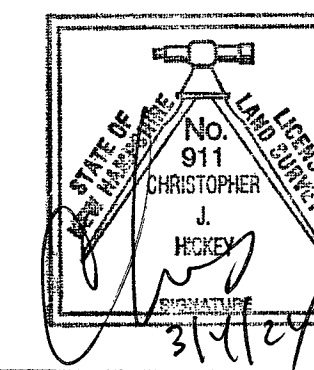
APPROVED BY THE HUDSON, NH PLANNING BOARD

DATE OF MEETING: \_\_\_\_\_

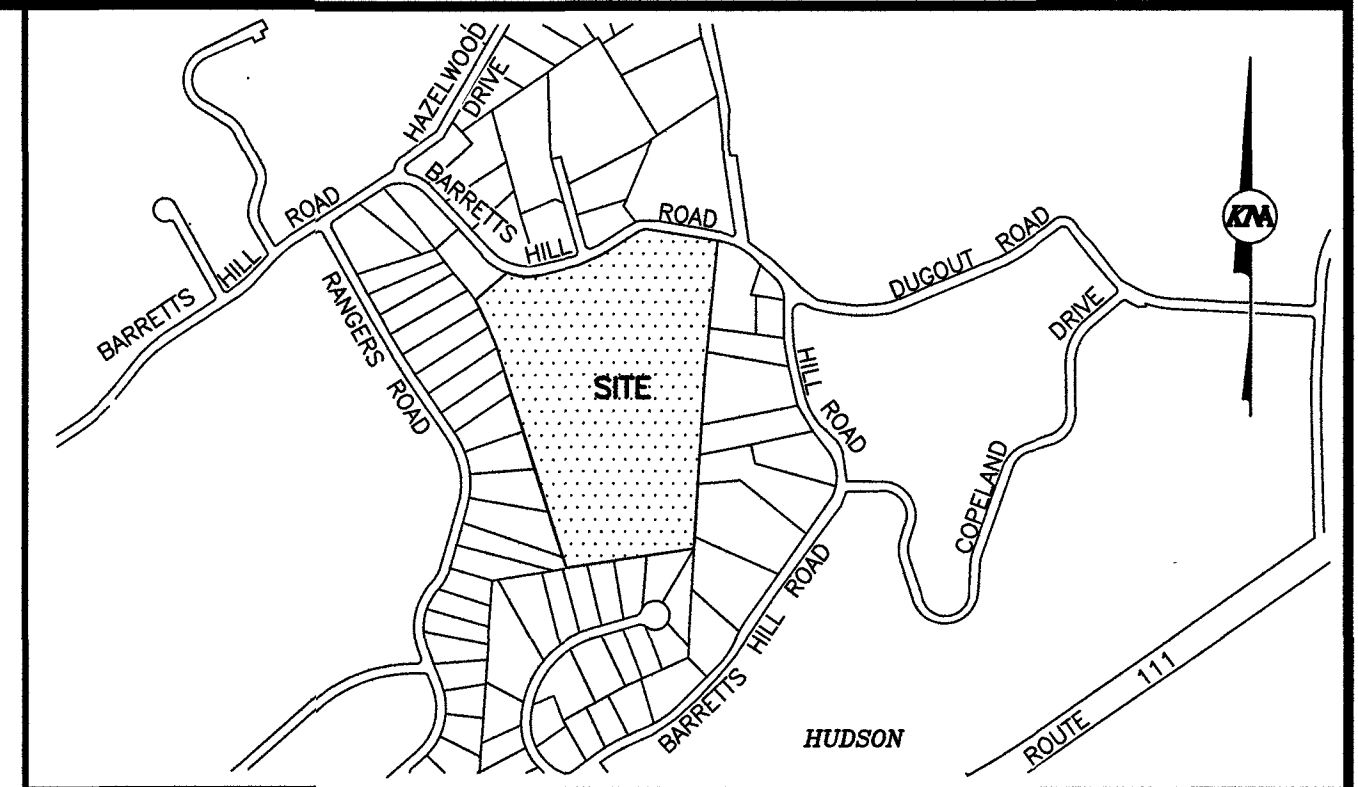
\_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_

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

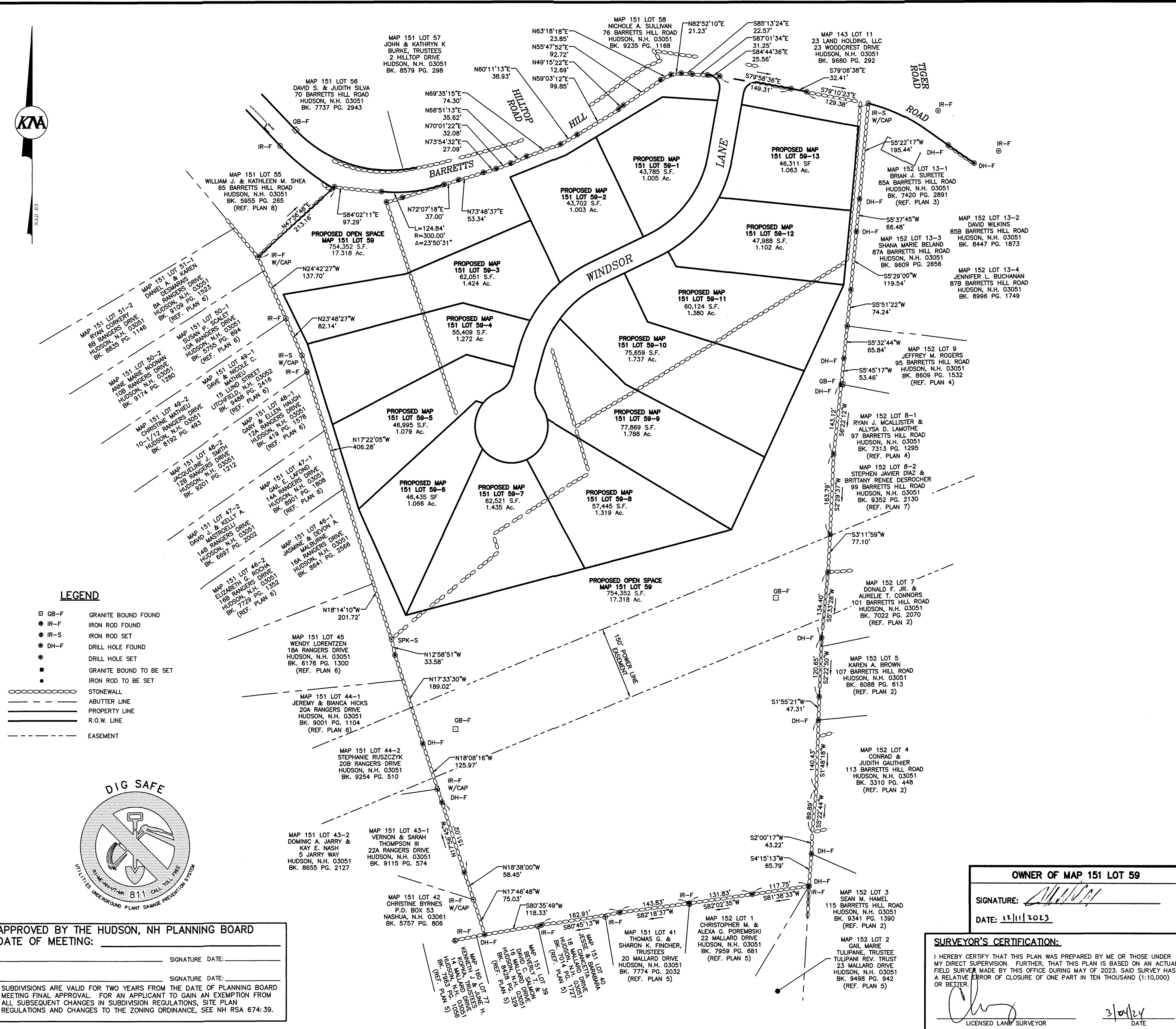
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.







LOCATION PLAN  
SCALE: 1" = 1000'±

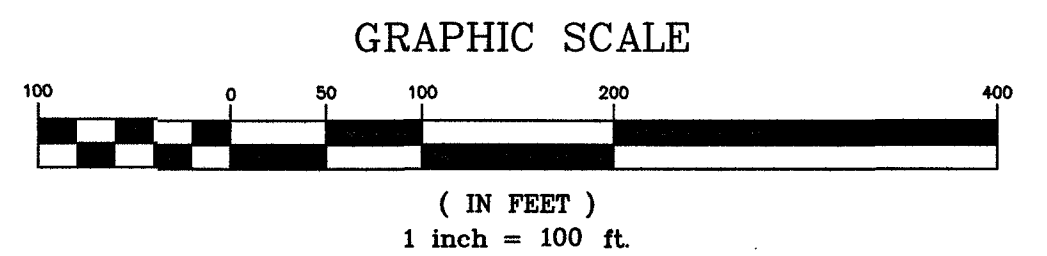


LEGEND

- GB-F GRANITE BOUND FOUND
- IR-F IRON ROD FOUND
- IR-S IRON ROD SET
- DH-F DRILL HOLE FOUND
- DRILL HOLE SET
- GRANITE BOUND TO BE SET
- IRON ROD TO BE SET
- STONEWALL
- ABUTTER LINE
- PROPERTY LINE
- R.O.W. LINE
- EASEMENT

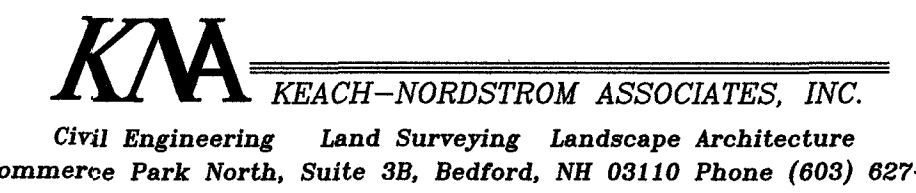


SEE SHEET 1 FOR NOTES & REFERENCE PLANS



MASTER SUBDIVISION PLAN  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETTS HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

OWNER/APPLICANT:  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287



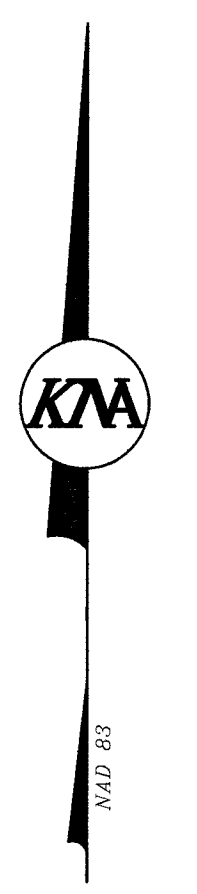
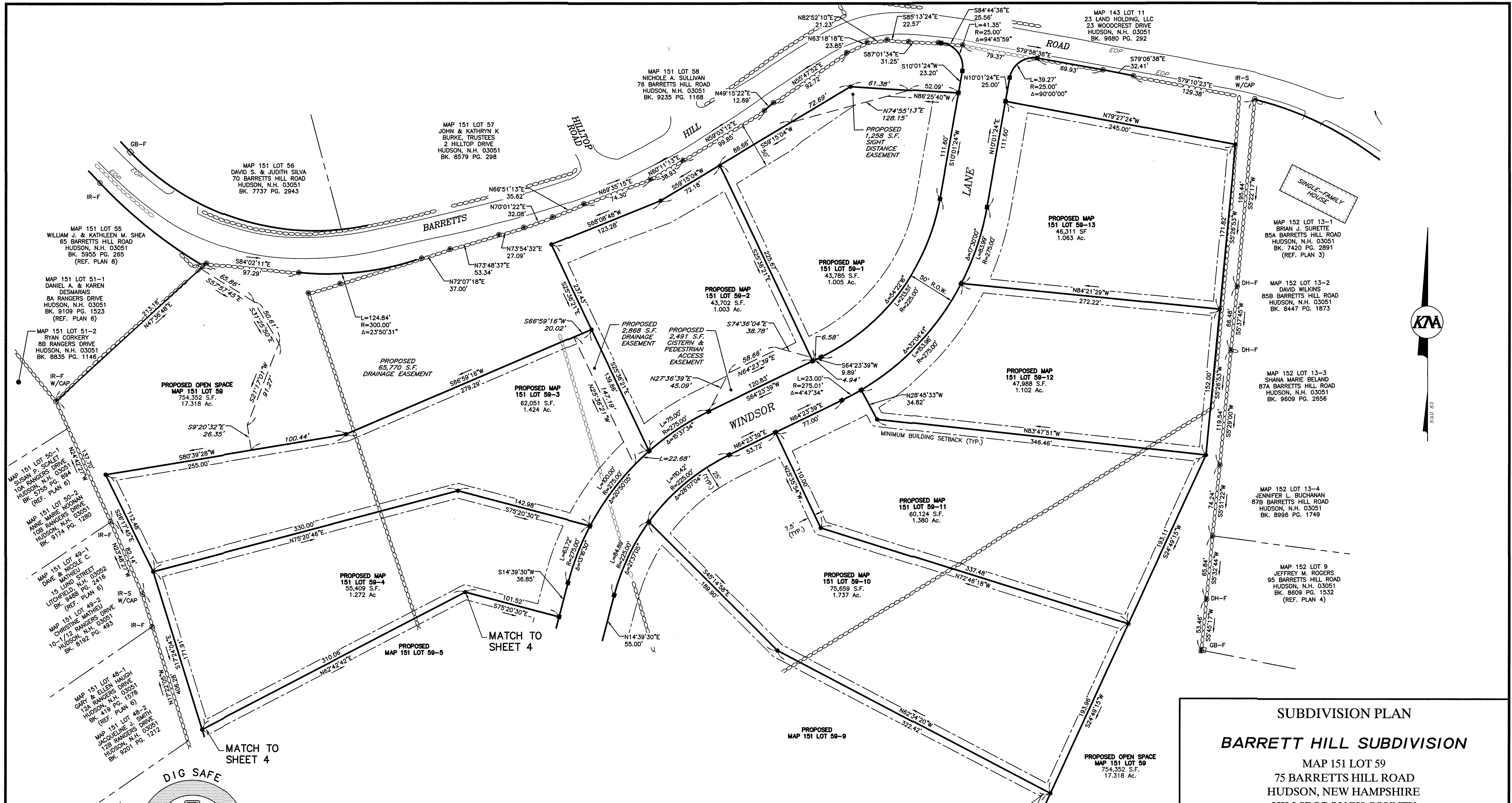
OWNER OF MAP 151 LOT 59  
 SIGNATURE: *[Signature]*  
 DATE: 12/11/2023

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 MAY OF 2023. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.  
*[Signature]* 3/04/24  
 LICENSED LAND SURVEYOR DATE

REVISIONS				
No.	DATE	DESCRIPTION	BY	PC
1	3/4/24	STAFF & REVIEW ENGINEER REVS		

DATE: DECEMBER 6, 2023 SCALE: 1"=100'  
 PROJECT NO: 23-0414-1 SHEET: 2 OF 24

APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
 SIGNATURE DATE: \_\_\_\_\_  
 SIGNATURE DATE: \_\_\_\_\_  
 SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



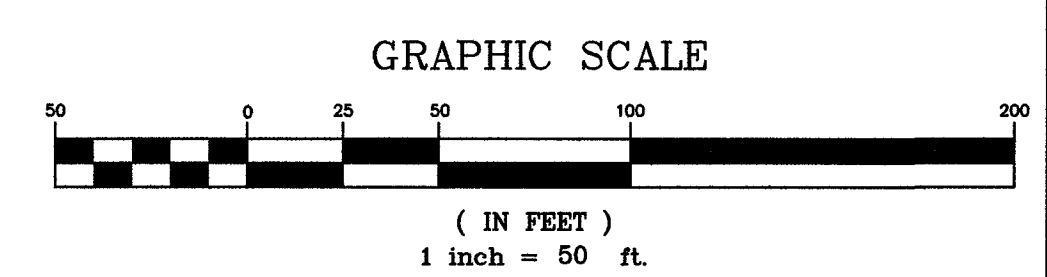
**SUBDIVISION PLAN**  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETT'S HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

**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
1	3/4/24	STAFF & REVIEW ENGINEER REVS

DATE: DECEMBER 6, 2023      SCALE: 1"=50'  
 PROJECT NO: 23-0414-1      SHEET: 3 OF 24



**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 APRIL TO NOVEMBER OF 2023. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

LICENSED LAND SURVEYOR      DATE: 3/4/24

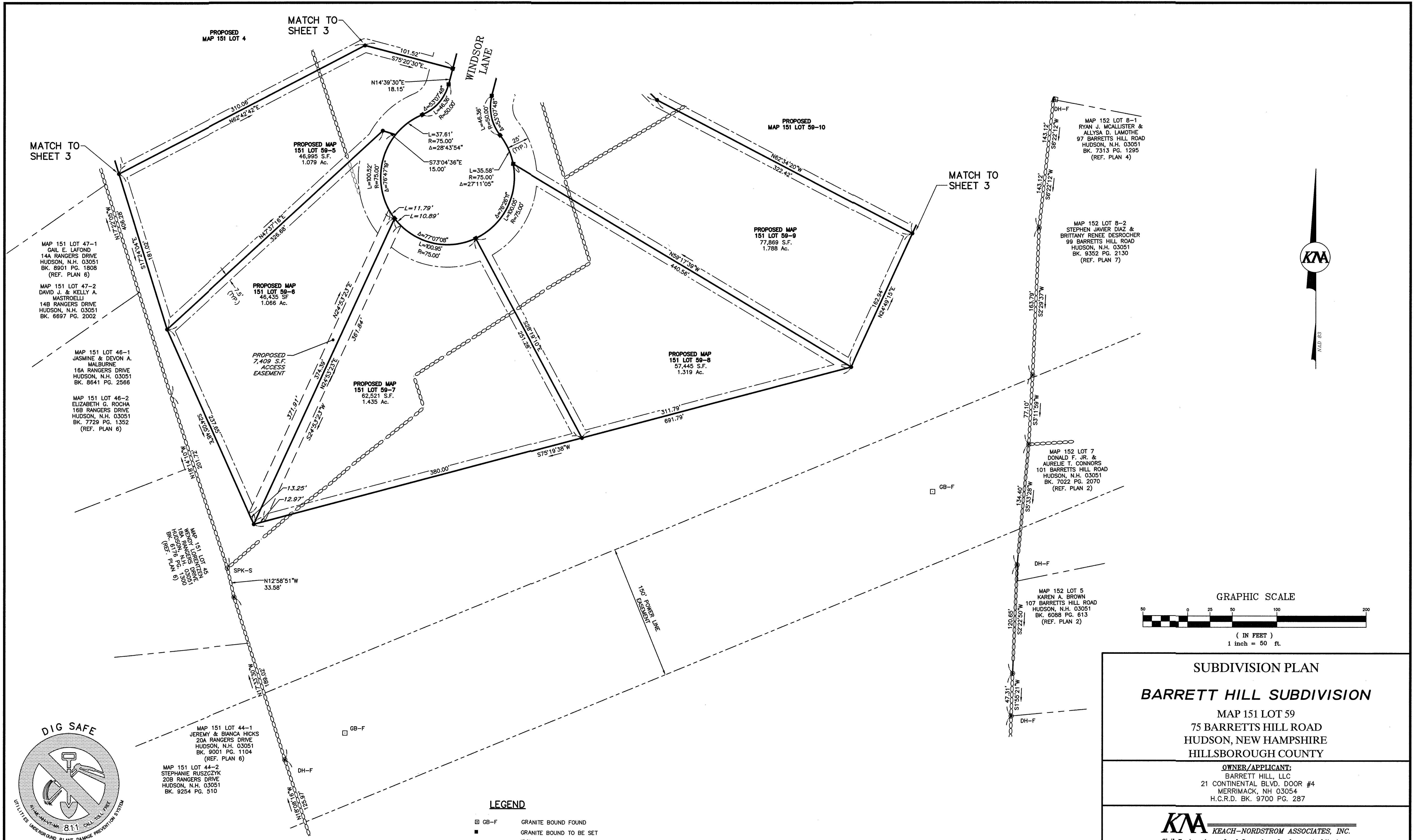
SEE SHEET 1 FOR NOTES & REFERENCE PLANS

- LEGEND**
- GB-F GRANITE BOUND FOUND
  - GB-F GRANITE BOUND TO BE SET
  - IR-F IRON ROD TO BE SET
  - IR-F IRON ROD FOUND
  - IR-S IRON ROD SET
  - DH-F DRILL HOLE FOUND
  - DH-F DRILL HOLE SET
  - ABUTTER LINE
  - PROPERTY LINE
  - EDGE OF PAVEMENT
  - EOP STONEWALL
  - SETBACK



**APPROVED BY THE HUDSON, NH PLANNING BOARD**  
 DATE OF MEETING: \_\_\_\_\_  
 \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.





APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
 \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 \_\_\_\_\_ SIGNATURE DATE: \_\_\_\_\_  
 SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

- LEGEND**
- GB-F GRANITE BOUND FOUND
  - GRANITE BOUND TO BE SET
  - IR-F IRON ROD TO BE SET
  - IR-F IRON ROD FOUND
  - IR-S IRON ROD SET
  - ⊙ DH-F DRILL HOLE FOUND
  - DRILL HOLE SET
  - - - - - ABUTTER LINE
  - \_\_\_\_\_ PROPERTY LINE
  - \_\_\_\_\_ EOP EDGE OF PAVEMENT
  - ⊘ STONEWALL
  - \_\_\_\_\_ SETBACK

SEE SHEET 1 FOR NOTES & REFERENCE PLANS

**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 APRIL TO NOVEMBER OF 2023. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.  
 \_\_\_\_\_ DATE: 3/4/24  
 LICENSED LAND SURVEYOR

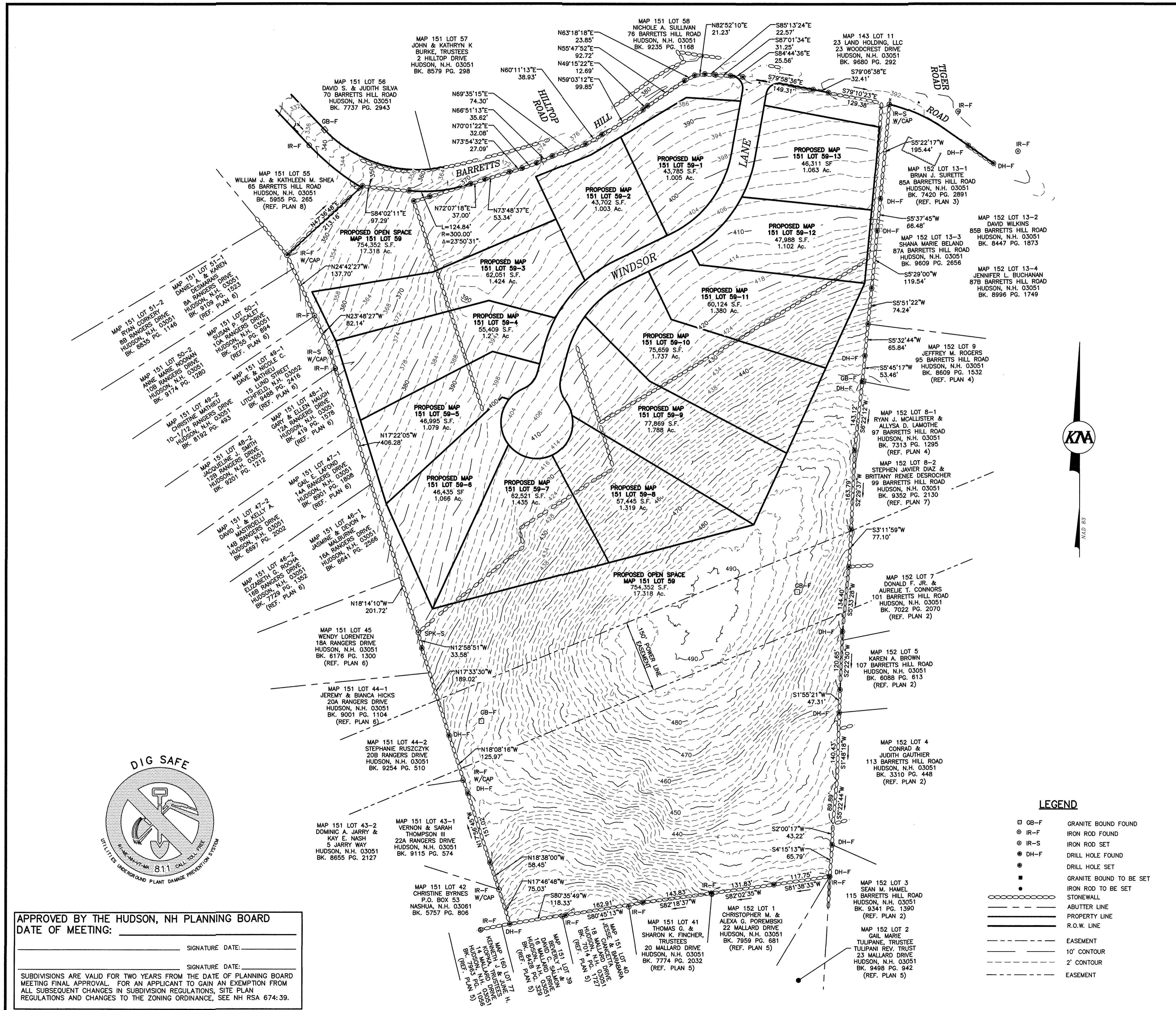
**SUBDIVISION PLAN**  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETT'S HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

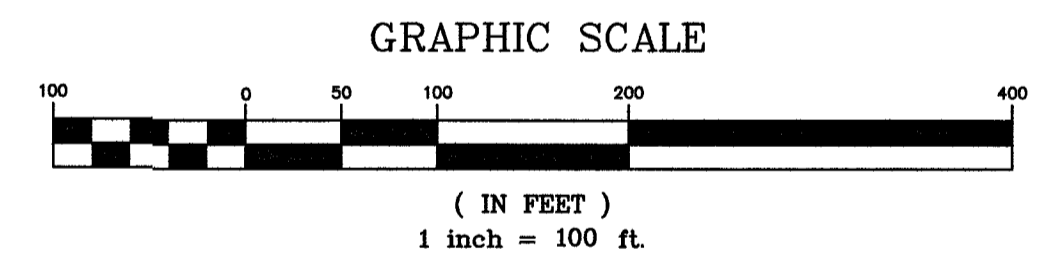
**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1"=50'  
 PROJECT NO: 23-0414-1 SHEET: 4 OF 24



SEE SHEET 1 FOR NOTES & REFERENCE PLANS



TOPOGRAPHIC MASTER SUBDIVISION PLAN  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETTS HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

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

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IR-F IRON ROD FOUND
- IR-S IRON ROD SET
- ⊙ DH-F DRILL HOLE FOUND
- DRILL HOLE SET
- GRANITE BOUND TO BE SET
- IRON ROD TO BE SET
- STONEWALL
- ABUTTER LINE
- PROPERTY LINE
- R.O.W. LINE
- EASEMENT
- 10' CONTOUR
- 2' CONTOUR
- EASEMENT

**REVISIONS**

No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1"=100'  
 PROJECT NO: 23-0414-1 SHEET: 5 OF 24

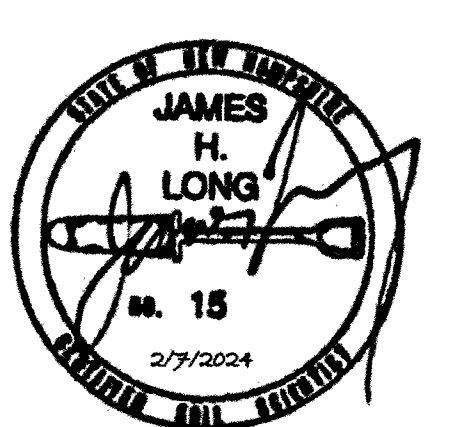
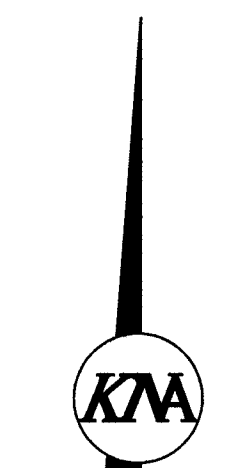
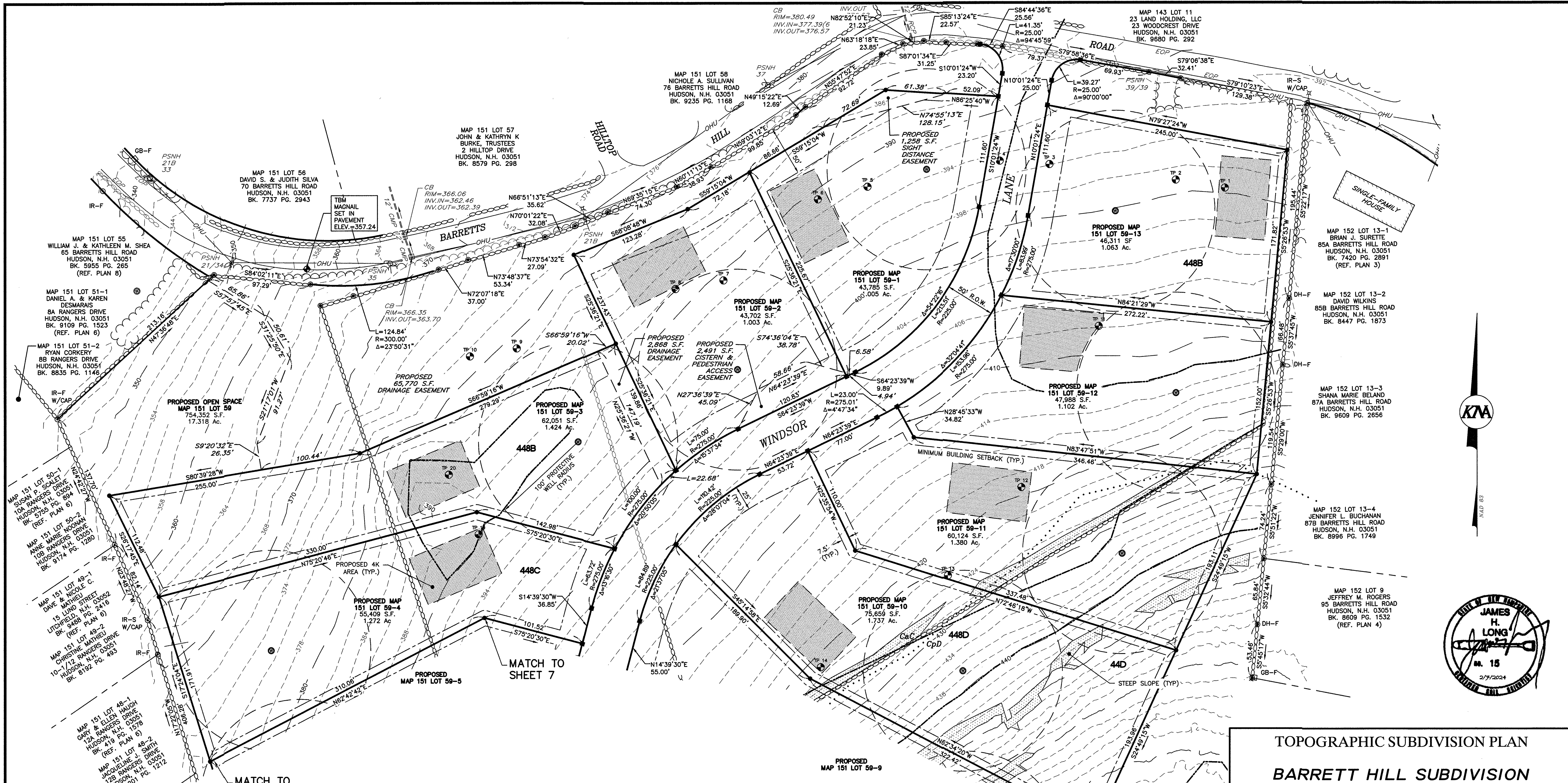
APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.







**TOPOGRAPHIC SUBDIVISION PLAN**  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETT HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1"=50'  
 PROJECT NO: 23-0414-1 SHEET: 6 OF 24

**LEGEND**

- GB-F GRANITE BOUND FOUND
- GRANITE BOUND TO BE SET
- IR-F IRON ROD FOUND
- IR-S IRON ROD SET
- ⊙ DH-F DRILL HOLE FOUND
- ⊙ DRILL HOLE SET
- ⊕ BENCHMARK
- ⊞ CATCH BASIN
- ⊙ TEST PIT
- ⊙ PROPOSED WELL
- SSS SOIL LINE
- SCS SOIL LINE
- DRAINAGE LINE
- TREELINE
- ABUTTER LINE
- PROPERTY LINE
- EOP EDGE OF PAVEMENT
- STONEWALL
- SETBACK

**SCS SOILS LEGEND**

- CaC CANTON FINE SANDY LOAM  
8 TO 15 PERCENT SLOPES
  - CpD CHATFIELD-HOLLIS-CANTON COMPLEX  
15 TO 25 PERCENT SLOPES, VERY ROCKY
- SOURCE: USDA-SCS WEB SOIL SURVEY  
 HILLSBOROUGH COUNTY

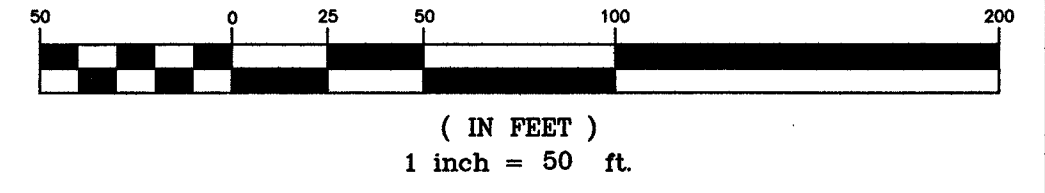
**SITE SPECIFIC SOIL MAP UNIT KEY**

SYMBOL	MAP UNIT	SLOPE CLASS	DRAINAGE CLASS	HSG
448B	SCITUATE	3-8%	MODERATELY WELL DRAINED	C
448C	SCITUATE	8-15%	MODERATELY WELL DRAINED	C
448D	SCITUATE	15-25%	MODERATELY WELL DRAINED	C
44B	MONTAUK	3-8%	WELL DRAINED	C
44C	MONTAUK	8-15%	WELL DRAINED	C
44D	MONTAUK	15-25%	WELL DRAINED	C

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.

SEE SHEET 1 FOR NOTES & REFERENCE PLANS

**GRAPHIC SCALE**



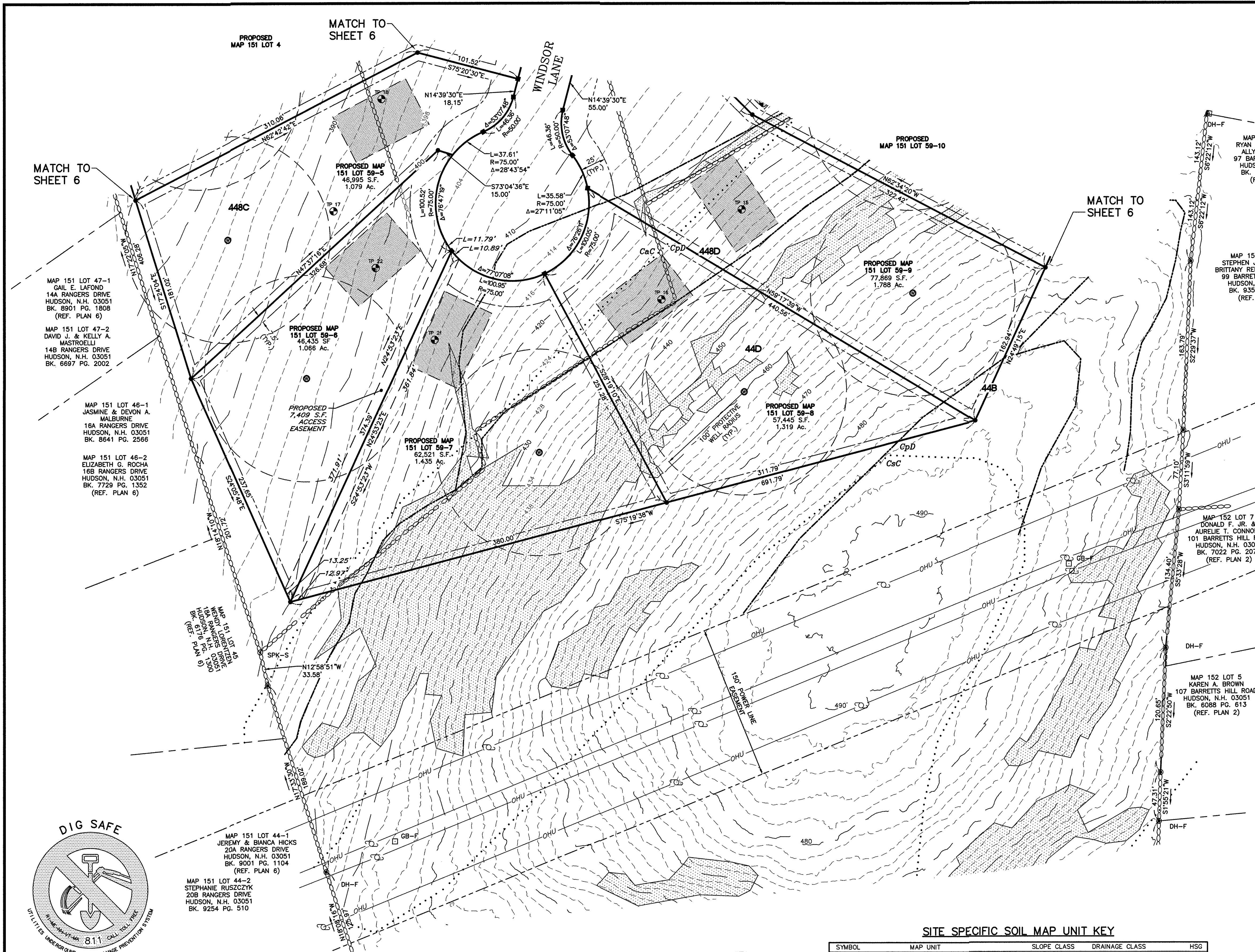
APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_

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

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.





**SCS SOILS LEGEND**

**CaC** CANTON FINE SANDY LOAM  
8 TO 15 PERCENT SLOPES

**CpD** CHATFIELD-HOLLIS-CANTON COMPLEX  
15 TO 25 PERCENT SLOPES, VERY ROCKY

**CsC** CHATFIELD-HOLLIS COMPLEX  
8 TO 15 PERCENT SLOPES, ROCKY

SOURCE: USDA-SCS WEB SOIL SURVEY  
HILLSBOROUGH COUNTY

**LEGEND**

- GB-F GRANITE BOUND FOUND
- GRANITE BOUND TO BE SET
- IR-F IRON ROD FOUND
- IR-S IRON ROD SET
- ⊙ DH-F DRILL HOLE FOUND
- ⊙ DRILL HOLE SET
- ⊙ CATCH BASIN
- ⊙ TP 10 TEST PIT
- ⊙ PROPOSED WELL
- SSS SOIL LINE
- SCS SOIL LINE
- DRAINAGE LINE
- TREELINE
- ABUTTER LINE
- PROPERTY LINE
- EOP EDGE OF PAVEMENT
- STONEMALL
- SETBACK



MAP 68

MATCH TO SHEET 6

MATCH TO SHEET 6

MAP 151 LOT 47-1  
GAIL E. LAFOND  
14A RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 8901 PG. 1808  
(REF. PLAN 6)

MAP 151 LOT 47-2  
DAVID J. & KELLY A.  
MASTROELLI  
14B RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 8697 PG. 2002

MAP 151 LOT 46-1  
JASMINE & DEVON A.  
MALBURN  
16A RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 8641 PG. 2566

MAP 151 LOT 46-2  
ELIZABETH G. ROCHA  
16B RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 7729 PG. 1352  
(REF. PLAN 6)

MAP 151 LOT 45  
MICHAEL J. & JENNIFER  
MORSE  
15A RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 8119 PG. 1350  
(REF. PLAN 6)

MAP 151 LOT 44-1  
JEREMY & BIANCA THICKS  
20A RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 9001 PG. 1104  
(REF. PLAN 6)

MAP 151 LOT 44-2  
STEPHANIE RUSZCZYK  
20B RANGERS DRIVE  
HUDSON, N.H. 03051  
BK. 9254 PG. 510

MAP 152 LOT 8-1  
RYAN J. MCALLISTER &  
ALLYSA D. LAMOTHE  
97 BARRETT'S HILL ROAD  
HUDSON, N.H. 03051  
BK. 7313 PG. 1295  
(REF. PLAN 4)

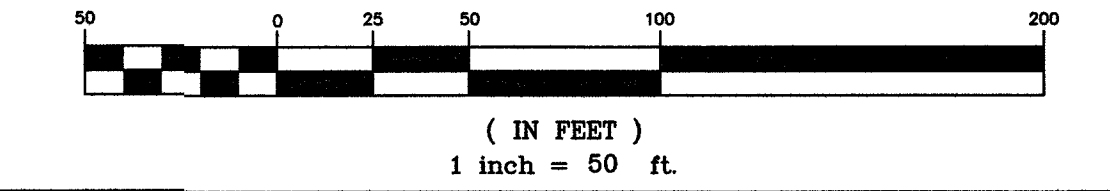
MAP 152 LOT 8-2  
STEPHEN JAVIER DIAZ &  
BRITTANY RENEE DESROCHER  
99 BARRETT'S HILL ROAD  
HUDSON, N.H. 03051  
BK. 9352 PG. 2130  
(REF. PLAN 7)

MAP 152 LOT 7  
DONALD F. JR. &  
AURELIE T. CONNORS  
101 BARRETT'S HILL ROAD  
HUDSON, N.H. 03051  
BK. 7022 PG. 2070  
(REF. PLAN 2)

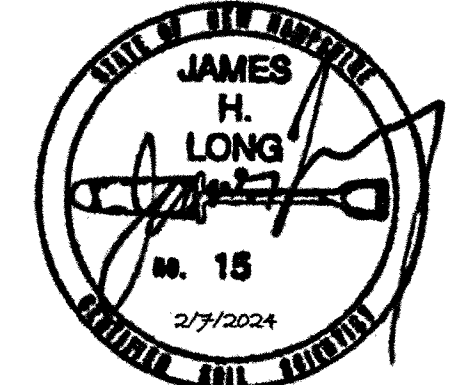
MAP 152 LOT 5  
KAREN A. BROWN  
107 BARRETT'S HILL ROAD  
HUDSON, N.H. 03051  
BK. 8088 PG. 613  
(REF. PLAN 2)

SEE SHEET 1 FOR NOTES &  
REFERENCE PLANS

GRAPHIC SCALE



APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



**SITE SPECIFIC SOIL MAP UNIT KEY**

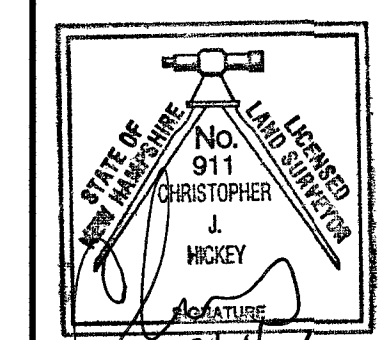
SYMBOL	MAP UNIT	SLOPE CLASS	DRAINAGE CLASS	HSG
448B	SCITUATE	3-8%	MODERATELY WELL DRAINED	C
448C	SCITUATE	8-15%	MODERATELY WELL DRAINED	C
448D	SCITUATE	15-25%	MODERATELY WELL DRAINED	C
44B	MONTAUK	3-8%	WELL DRAINED	C
44C	MONTAUK	8-15%	WELL DRAINED	C
44D	MONTAUK	15-25%	WELL DRAINED	C

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.

**TOPOGRAPHIC SUBDIVISION PLAN**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023      SCALE: 1"=50'  
PROJECT NO: 23-0414-1      SHEET: 7 OF 24



LOAM & SEED ALL  
DISTURBED AREAS (TYP.)

LINE TABLE		
NUMBER	LENGTH	BEARING
L1	186.60	S10° 01' 23.79"W
L2	130.72	S64° 23' 39.45"W
L3	64.95	S14° 39' 29.83"W

CURVE TABLE			
NUMBER	RADIUS	LENGTH	CHORD BEARING
C1	250.000	237.238	S37° 12' 31.62"W
C2	250.000	217.014	S39° 31' 34.64"W
C3	54.000	55.653	S44° 11' 01.04"W
C4	51.000	265.345	S75° 20' 30.11"E
C5	54.000	55.653	N14° 52' 01.25"W

**EXCAVATION AND EMBANKMENT NOTES:**

- LEDGE AND BOULDER EXCAVATION AND REMOVAL**  
-ALL LEDGE AND BOULDER EXCAVATION AND REMOVAL ACTIVITIES SHALL CONFORM WITH SECTION 203 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PUBLISHED BY THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION AND TOWN REQUIREMENTS FOR BLASTING PERMITS/SUBMITTALS. NO LEDGE OR BOULDERS SHALL BE BURIED WITHIN THE TOWN OWNED RIGHT-OF-WAY.
- STUMP REMOVAL AND DISPOSAL**  
-STUMPS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES STANDARDS. PRIOR TOWN APPROVAL IS REQUIRED FOR ANY ON-SITE STUMP BURIALS. STUMPS CANNOT BE BURIED OR OTHERWISE DISPOSED OF WITHIN THE TOWN OWNED RIGHT-OF-WAY.
- OFF-SITE FILL MATERIAL**  
-CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING, CONTAINING, AND DULY REMOVING ALL CONSTITUENTS OF CONCERN BROUGHT TO THE SITE BY CONTRACTOR, SUBCONTRACTORS, SUPPLIERS, OR ANYONE ELSE FOR WHOM CONTRACTOR IS RESPONSIBLE, AND FOR ANY ASSOCIATED COSTS; AND FOR THE COSTS OF REMOVING AND REMEDIATING ANY HAZARDOUS ENVIRONMENTAL CONDITION CREATED BY THE PRESENCE OF ANY SUCH CONSTITUENTS OF CONCERN.  
-CONTRACTOR SHALL NOT IMPORT ANY FILL OVER THE AMOUNT OF TEN CUBIC YARDS CUMULATIVE TOTAL PER SOURCE TO ANY JOB SITE IN THE TOWN OF HUDSON WITHOUT SOILS TESTING VERIFYING THE ABSENCE OF ALL CONSTITUENTS OF CONCERN, AND WITHOUT PRIOR APPROVAL BY ENGINEERING DEPARTMENT STAFF. DOCUMENTATION SUCH AS TEST REPORTS, CERTIFICATIONS AND SIEVE ANALYZES OF FILL SHALL BE PROVIDED TO THE ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO TRANSPORTING THE MATERIAL TO HUDSON.



**NPDES NOTE**

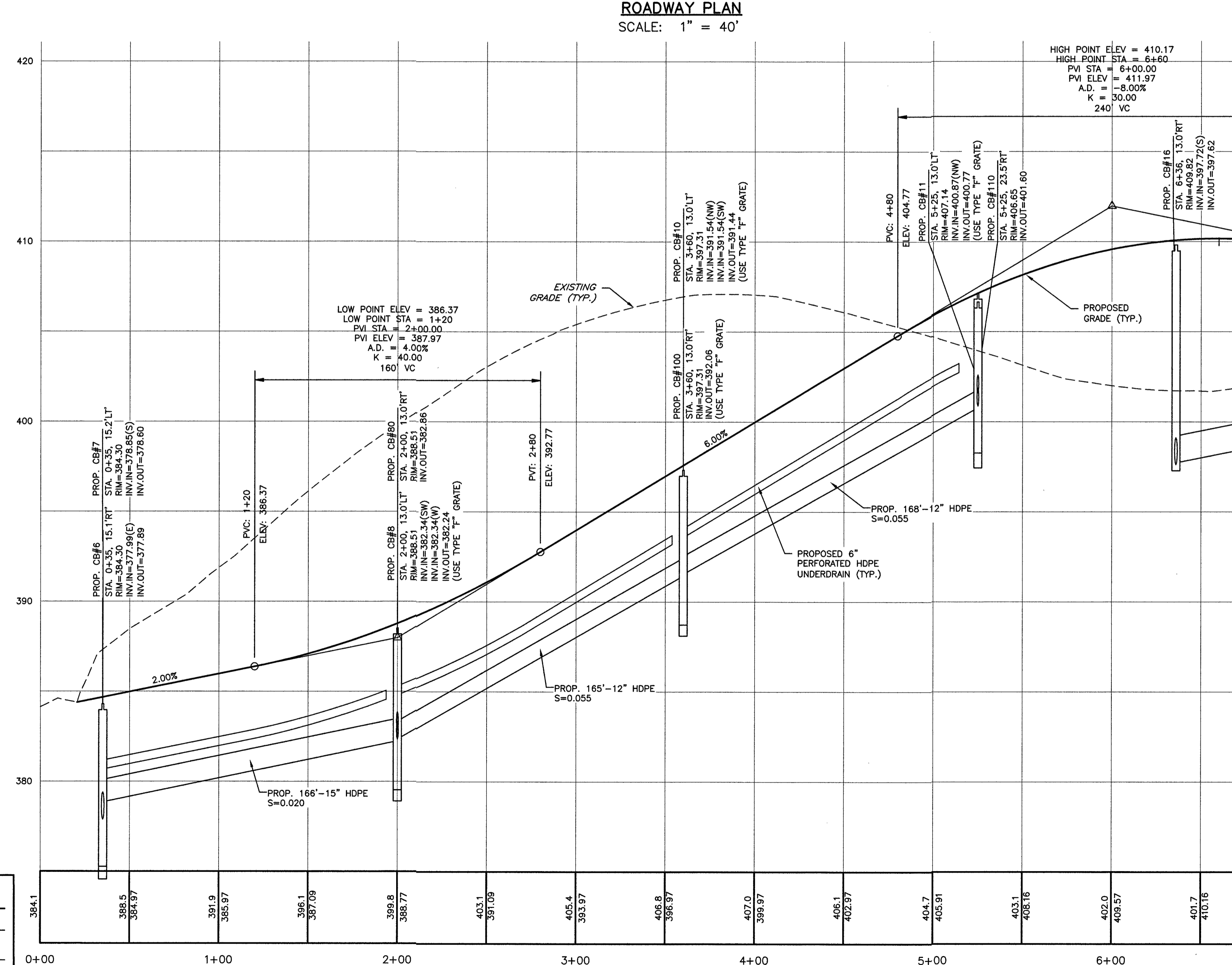
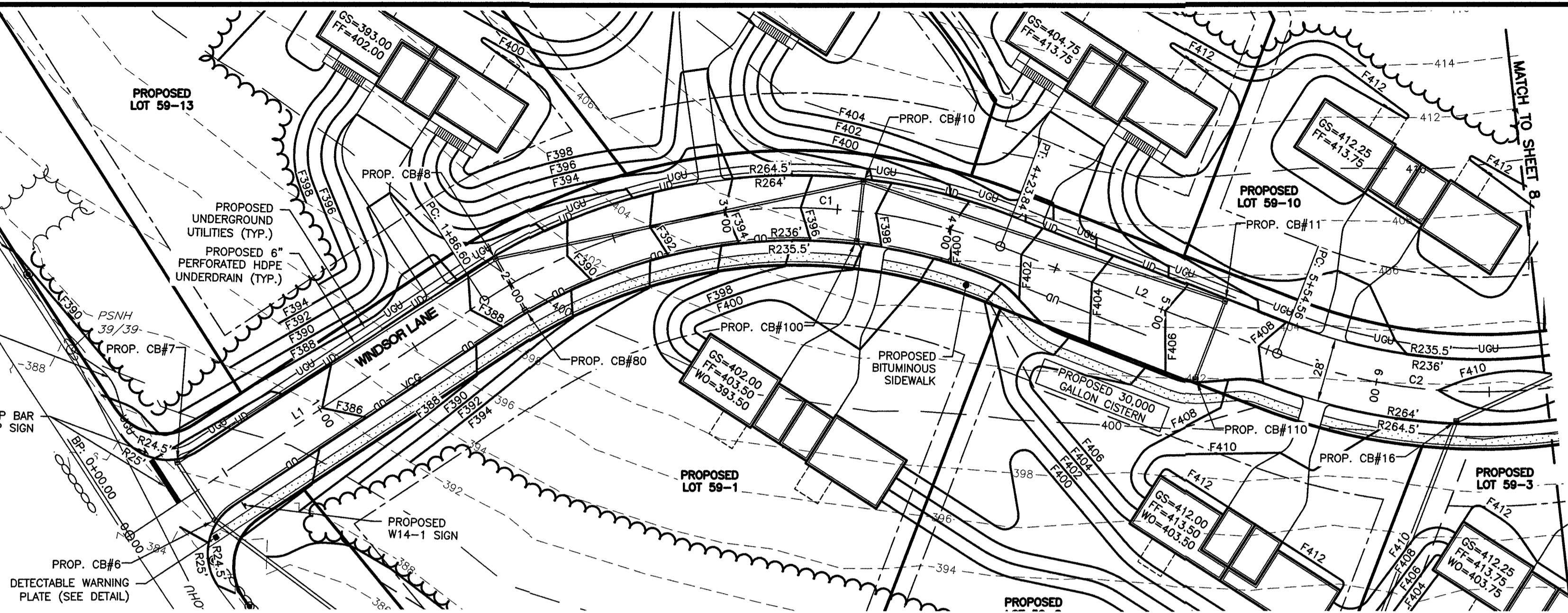
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO 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.

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

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

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

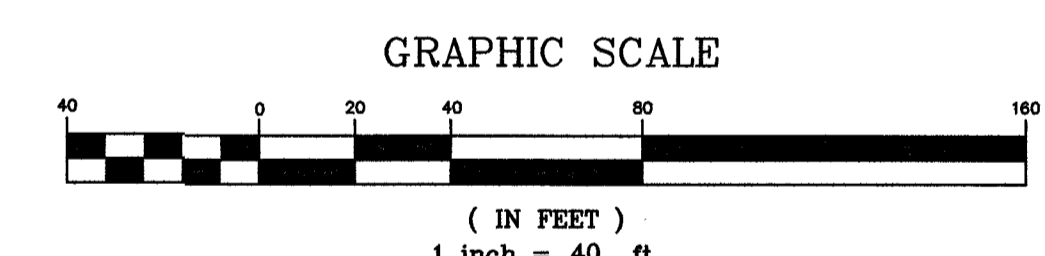
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



- CONSTRUCTION NOTES:**
- THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED ROADWAY DESIGN, GRADING, AND UTILITIES FOR THIS SITE.
  - ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF HUDSON, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ALL WORK PERFORMED IN THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION, APPROVED AND ADOPTED 2016 ARE HEREBY INCORPORATED BY REFERENCE.
  - CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS FOR ROAD CONSTRUCTION, PUBLIC WORKS DEPARTMENT, HUDSON, NEW HAMPSHIRE. ALL DRAINAGE PIPES SHOWN SHALL BE HDPE. CATCH BASINS SHALL BE TYPE B, AND HAVE 3" SUMPS UNLESS OTHERWISE NOTED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING 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.
  - ALL DRAINAGE PIPE SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - ALL LOT DEVELOPMENT SHOWN ON THIS PLAN INCLUDING BUT NOT LIMITED TO DRIVEWAYS, BUILDING LOCATIONS, AND GRADING ARE SHOWN FOR PROOF OF CONCEPT ONLY. FINAL LOT LAYOUT SHALL BE COORDINATED WITH THE OWNER, THE ENGINEER OF RECORD, AND TOWN STAFF FOR FINAL APPROVAL PRIOR TO CONSTRUCTION.

**LEGEND**

- ⊠ GB-F GRANITE BOUND FOUND
- ⊙ IPIN-F IRON PIN FOUND
- ⊙ DH-F DRILL HOLE FOUND
- ⊙ IPP-F IRON PIPE FOUND
- ⊙ RRS-F RAILROAD SPIKE FOUND
- ⊙ UTILITY POLE
- ⊙ SIGN
- ⊙ LIGHT
- ⊙ WELL
- ⊙ SEWER MANHOLE
- ⊙ DRAINAGE MANHOLE
- ⊙ CATCH BASIN
- ⊙ ABUTTER LINE
- ⊙ PROPERTY LINE
- ⊙ STREAM
- ⊙ WETLAND
- ⊙ OVERHEAD UTILITIES
- ⊙ DRAINAGE LINE
- ⊙ TREELINE
- ⊙ 10' CONTOUR
- ⊙ 2' CONTOUR
- ⊙ STONEWALL
- ⊙ BUILDING SETBACK
- ⊙ EASEMENT
- ⊙ PROPOSED WATER VALVE
- ⊙ PROPOSED HYDRANT
- ⊙ PROPOSED WELL
- ⊙ PROPOSED DRAINAGE MANHOLE
- ⊙ PROPOSED CATCH BASIN
- ⊙ PROPOSED PROPERTY LINE
- ⊙ PROPOSED GUARDRAIL
- ⊙ PROPOSED UNDERGROUND UTILITIES
- ⊙ PROPOSED GAS LINE
- ⊙ PROPOSED WATER LINE
- ⊙ PROPOSED DRAINAGE LINE
- ⊙ PROPOSED TREELINE
- ⊙ PROPOSED EDGE OF PAVEMENT
- ⊙ PROPOSED SLOPED GRANITE CURB
- ⊙ PROPOSED 2' CONTOUR



**ROADWAY PLAN & PROFILES**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

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

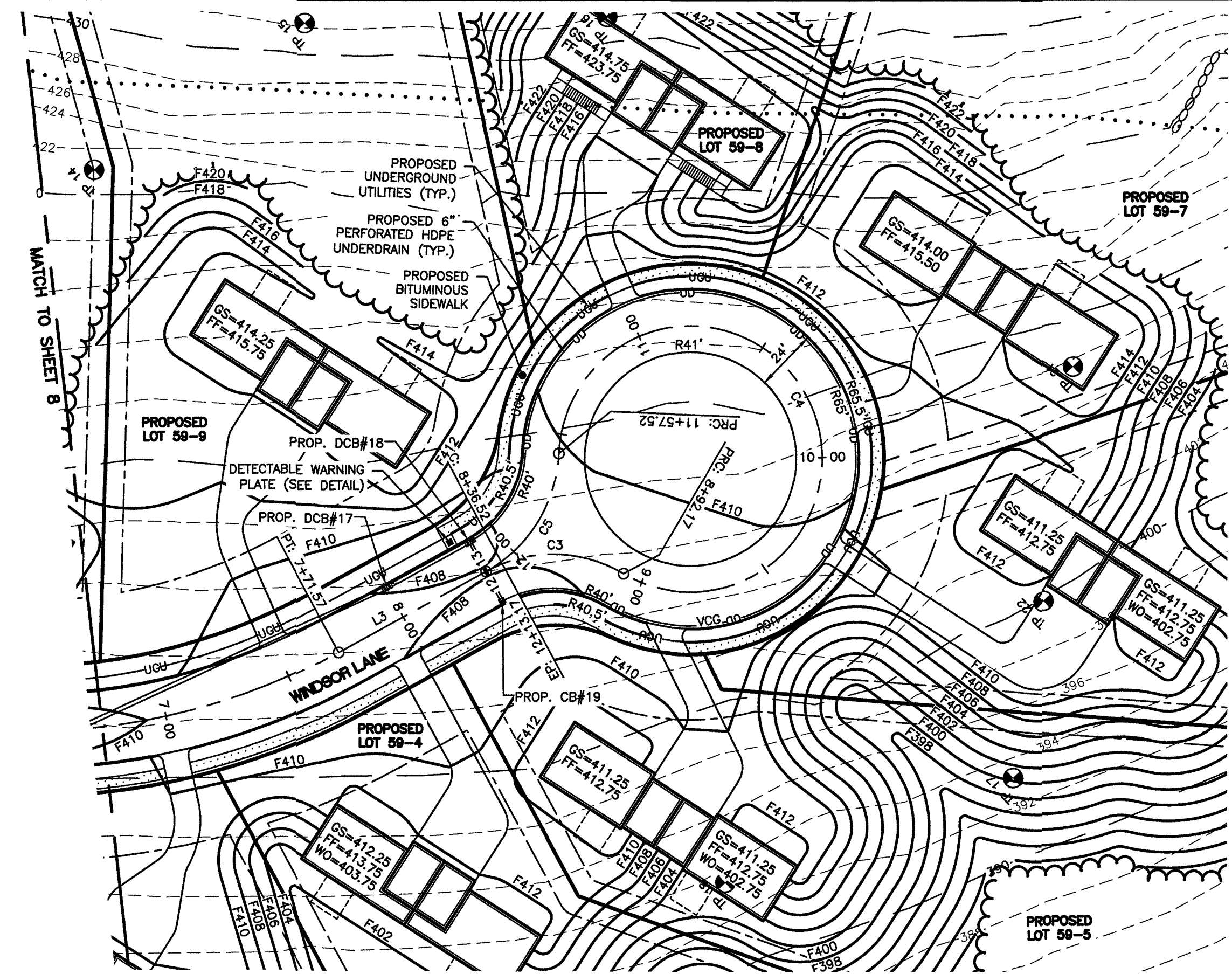
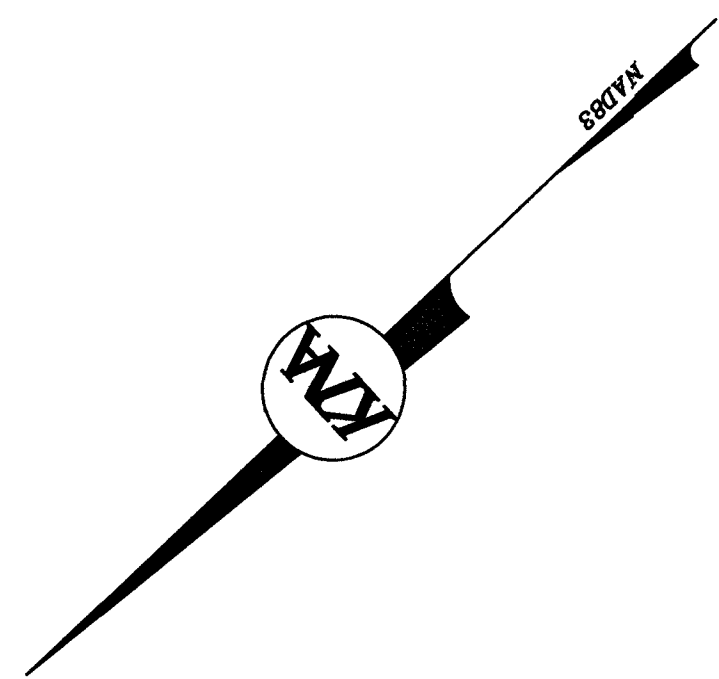
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
PROJECT NO: 23-0414-1 SHEET: 8 OF 24



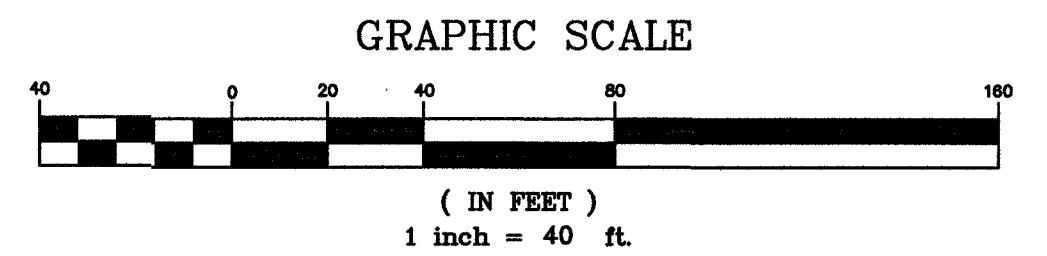
LOAM & SEED ALL  
DISTURBED AREAS (TYP.)

SEE SHEET 5 FOR  
LINE AND CURVE TABLE



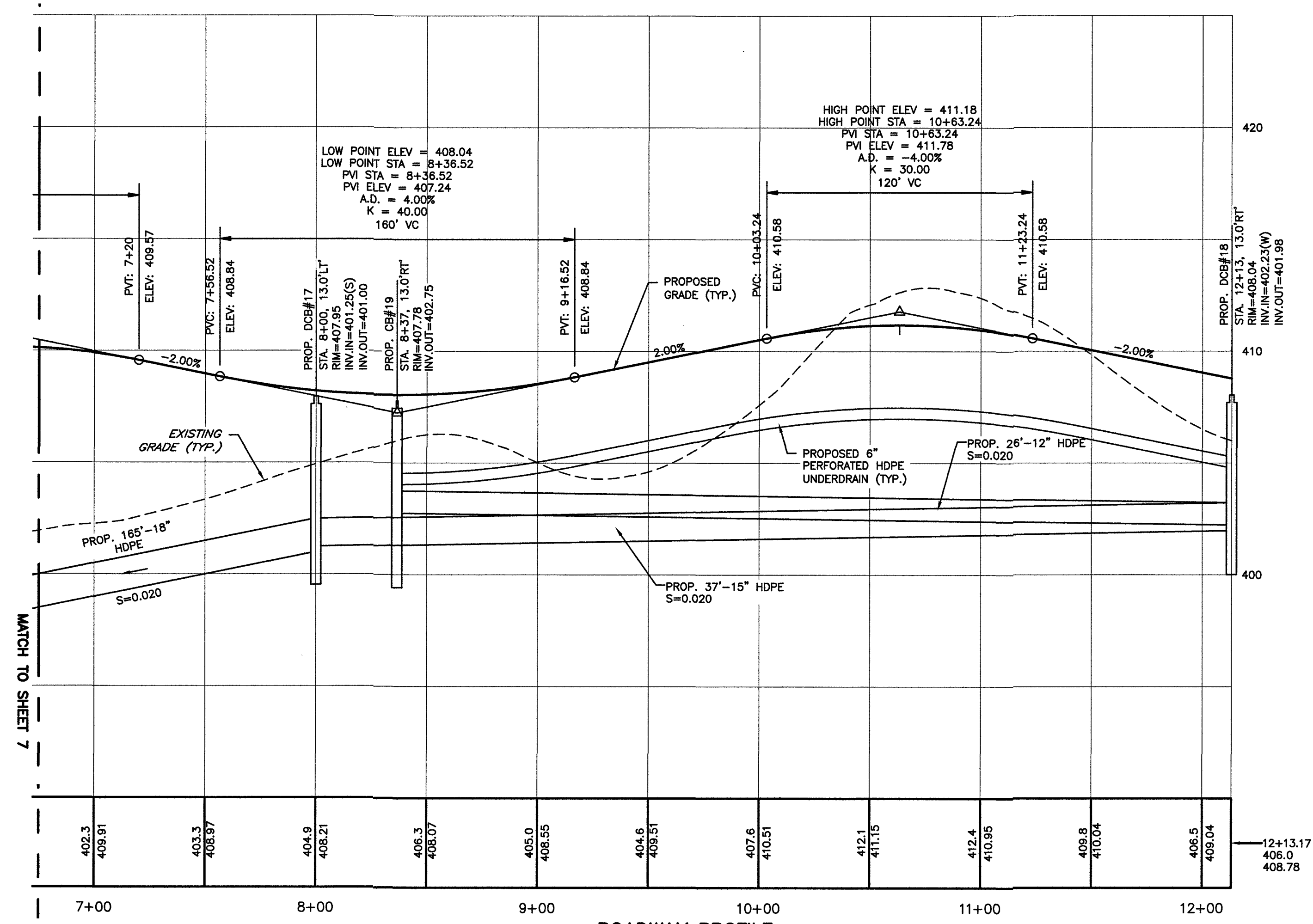
ROADWAY PLAN  
SCALE: 1" = 40'

- LEGEND**
- GB-F GRANITE BOUND FOUND
  - IPIN-F IRON PIN FOUND
  - DH-F DRILL HOLE FOUND
  - IPP-F IRON PIPE FOUND
  - ▲ RRS-F RAILROAD SPIKE FOUND
  - UTILITY POLE
  - SIGN
  - LIGHT
  - WELL
  - SEWER MANHOLE
  - DRAINAGE MANHOLE
  - CATCH BASIN
  - ABUTTER LINE
  - PROPERTY LINE
  - STREAM
  - WETLAND
  - OHU OVERHEAD UTILITIES
  - DRAINAGE LINE
  - TREELINE
  - 10' CONTOUR
  - 2' CONTOUR
  - STONEWALL
  - BUILDING SETBACK
  - EASEMENT
  - PROPOSED WATER VALVE
  - PROPOSED HYDRANT
  - PROPOSED WELL
  - PROPOSED DRAINAGE MANHOLE
  - PROPOSED CATCH BASIN
  - PROPOSED PROPERTY LINE
  - PROPOSED GUARDRAIL
  - UGU PROPOSED UNDERGROUND UTILITIES
  - G PROPOSED GAS LINE
  - W PROPOSED WATER LINE
  - PROPOSED DRAINAGE LINE
  - PROPOSED TREELINE
  - PROPOSED EDGE OF PAVEMENT
  - PROPOSED SLOPED GRANITE CURB
  - PROPOSED 2' CONTOUR



**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.



APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

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

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

**ROADWAY PLAN & PROFILES**

**BARRETT HILL SUBDIVISION**

MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

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

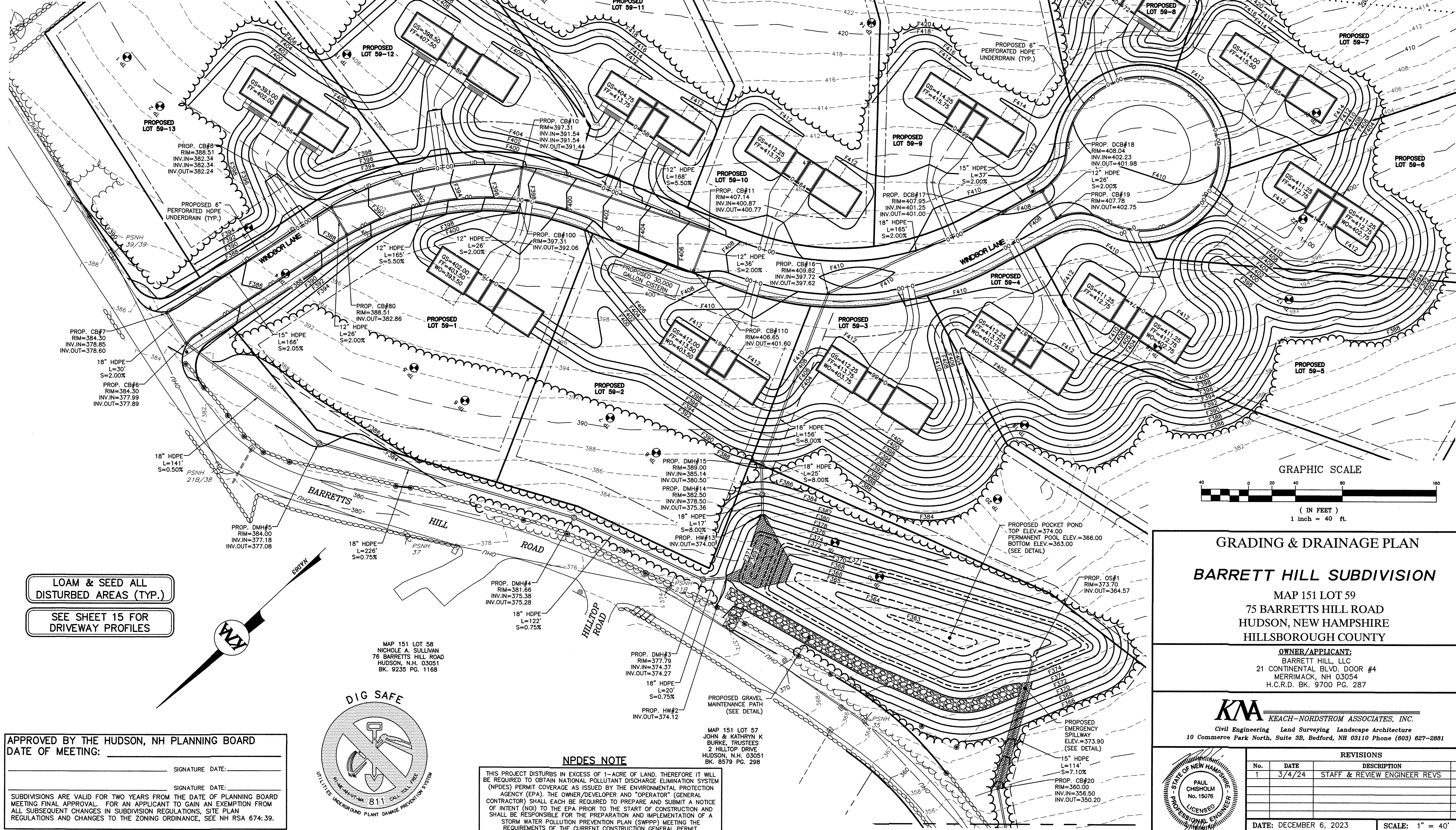
REVISIONS				
No.	DATE	DESCRIPTION	BY	PC
1	3/4/24	STAFF & REVIEW ENGINEER REVS		

DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
PROJECT NO: 23-0414-1 SHEET: 9 OF 24



**CONSTRUCTION NOTES:**

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED ROADWAY DESIGN, GRADING, AND UTILITIES FOR THIS SITE.
2. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF HUDSON, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ALL WORK PERFORMED IN THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION, APPROVED AND ADOPTED 2016 ARE HEREBY INCORPORATED BY REFERENCE. CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS FOR ROAD CONSTRUCTION, PUBLIC WORKS DEPARTMENT, HUDSON, NEW HAMPSHIRE. ALL DRAINAGE PIPES SHOWN SHALL BE HDPE. CATCH BASINS SHALL BE TYPE B, AND HAVE 3' SUMPS UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING 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 DRAINAGE PIPE SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. ALL LOT DEVELOPMENT SHOWN ON THIS PLAN INCLUDING BUT NOT LIMITED TO DRIVEWAYS, BUILDING LOCATIONS, AND GRADING ARE SHOWN FOR PROOF OF CONCEPT ONLY. FINAL LOT LAYOUT SHALL BE COORDINATED WITH THE OWNER, THE ENGINEER OF RECORD, AND TOWN STAFF FOR FINAL APPROVAL PRIOR TO CONSTRUCTION.

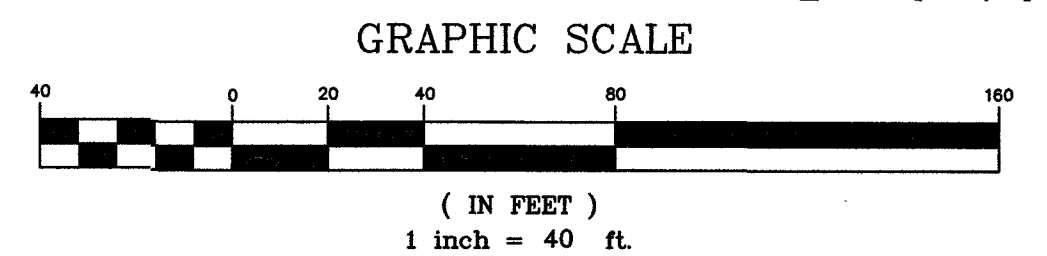


LOAM & SEED ALL DISTURBED AREAS (TYP.)

SEE SHEET 15 FOR DRIVEWAY PROFILES



**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.



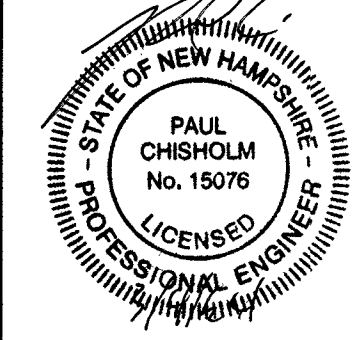
**GRADING & DRAINAGE PLAN**  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETT'S HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY  
**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

**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	PC
1	3/4/24	STAFF & REVIEW ENGINEER REVS		

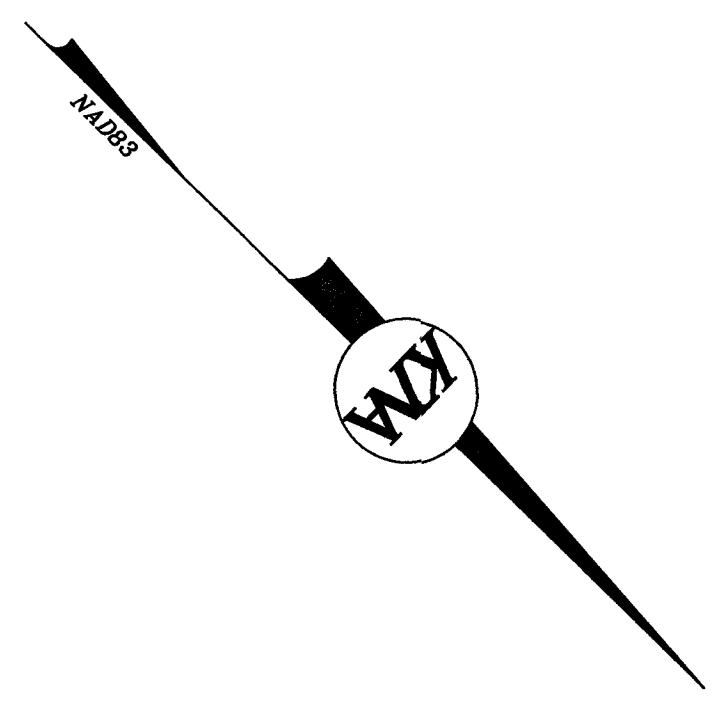
DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
 PROJECT NO: 23-0414-1 SHEET: 10 OF 24

APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



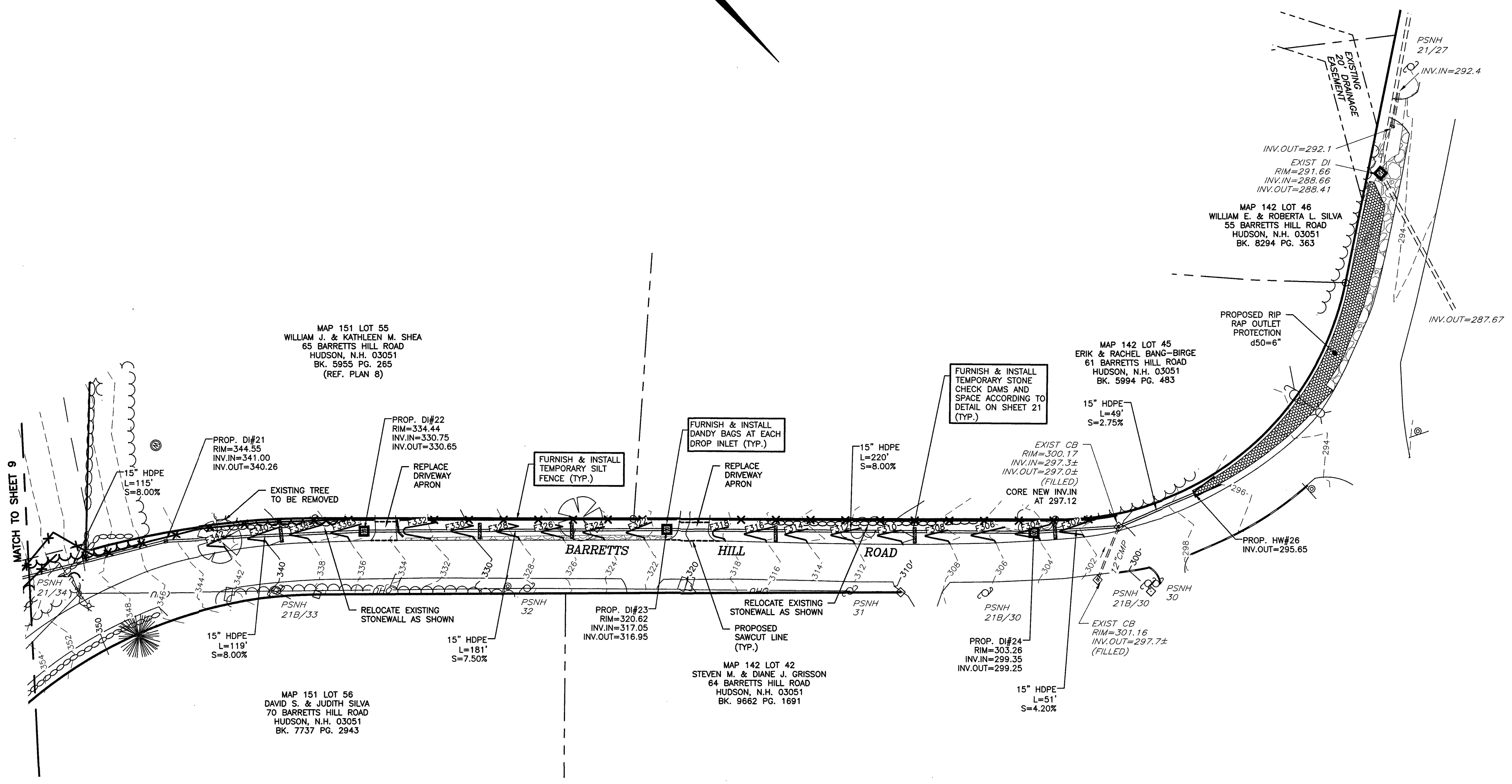
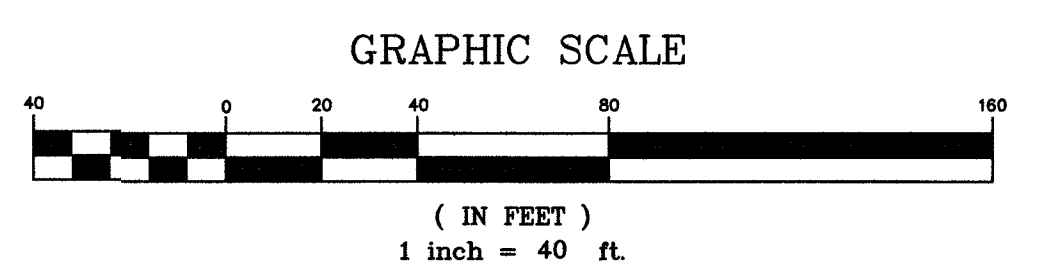
MATCH TO SHEET 10





**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- ⊙ DH-F DRILL HOLE FOUND
- ⊙ IPP-F IRON PIPE FOUND
- △ RRS-F RAILROAD SPIKE FOUND
- ⊙ UTILITY POLE
- ⊙ SIGN
- ⊙ LIGHT
- ⊙ WELL
- ⊙ SEWER MANHOLE
- ⊙ DRAINAGE MANHOLE
- ⊙ CATCH BASIN
- ⊙ ABUTTER LINE
- ⊙ PROPERTY LINE
- ⊙ STREAM
- ⊙ WETLAND
- ⊙ OVERHEAD UTILITIES
- ⊙ DRAINAGE LINE
- ⊙ TREELINE
- ⊙ 10' CONTOUR
- ⊙ 2' CONTOUR
- ⊙ STONEWALL
- ⊙ BUILDING SETBACK
- ⊙ EASEMENT
- ⊙ PROPOSED WATER VALVE
- ⊙ PROPOSED HYDRANT
- ⊙ PROPOSED WELL
- ⊙ PROPOSED DRAINAGE MANHOLE
- ⊙ PROPOSED CATCH BASIN
- ⊙ PROPOSED PROPERTY LINE
- ⊙ PROPOSED GUARDRAIL
- ⊙ PROPOSED UNDERGROUND UTILITIES
- ⊙ PROPOSED GAS LINE
- ⊙ PROPOSED WATER LINE
- ⊙ PROPOSED DRAINAGE LINE
- ⊙ PROPOSED TREELINE
- ⊙ PROPOSED EDGE OF PAVEMENT
- ⊙ PROPOSED SLOPED GRANITE CURB
- ⊙ PROPOSED 2' CONTOUR

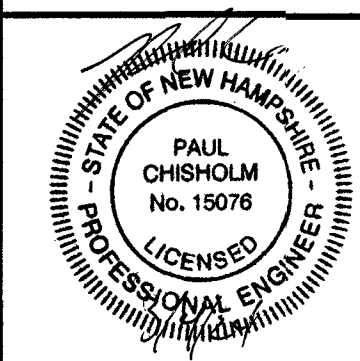


**OFFSITE GRADING, DRAINAGE & EROSION CONTROL PLAN  
BARRETT HILL SUBDIVISION**

MAP 151 LOT 59  
75 BARRETT HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
PROJECT NO: 23-0414-1 SHEET: 11 OF 24

- LOAM & SEED ALL DISTURBED AREAS (TYP.)
- SEE SHEET 10 FOR NOTES
- SEE SHEET 12 FOR EROSION CONTROL NOTES & LEGEND





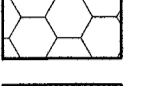




**NPDES NOTE**  
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH 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.

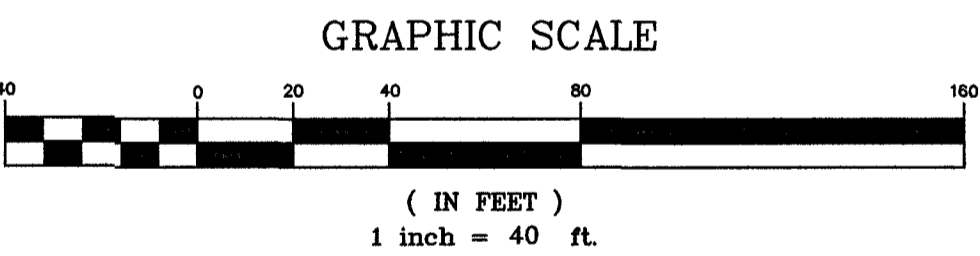
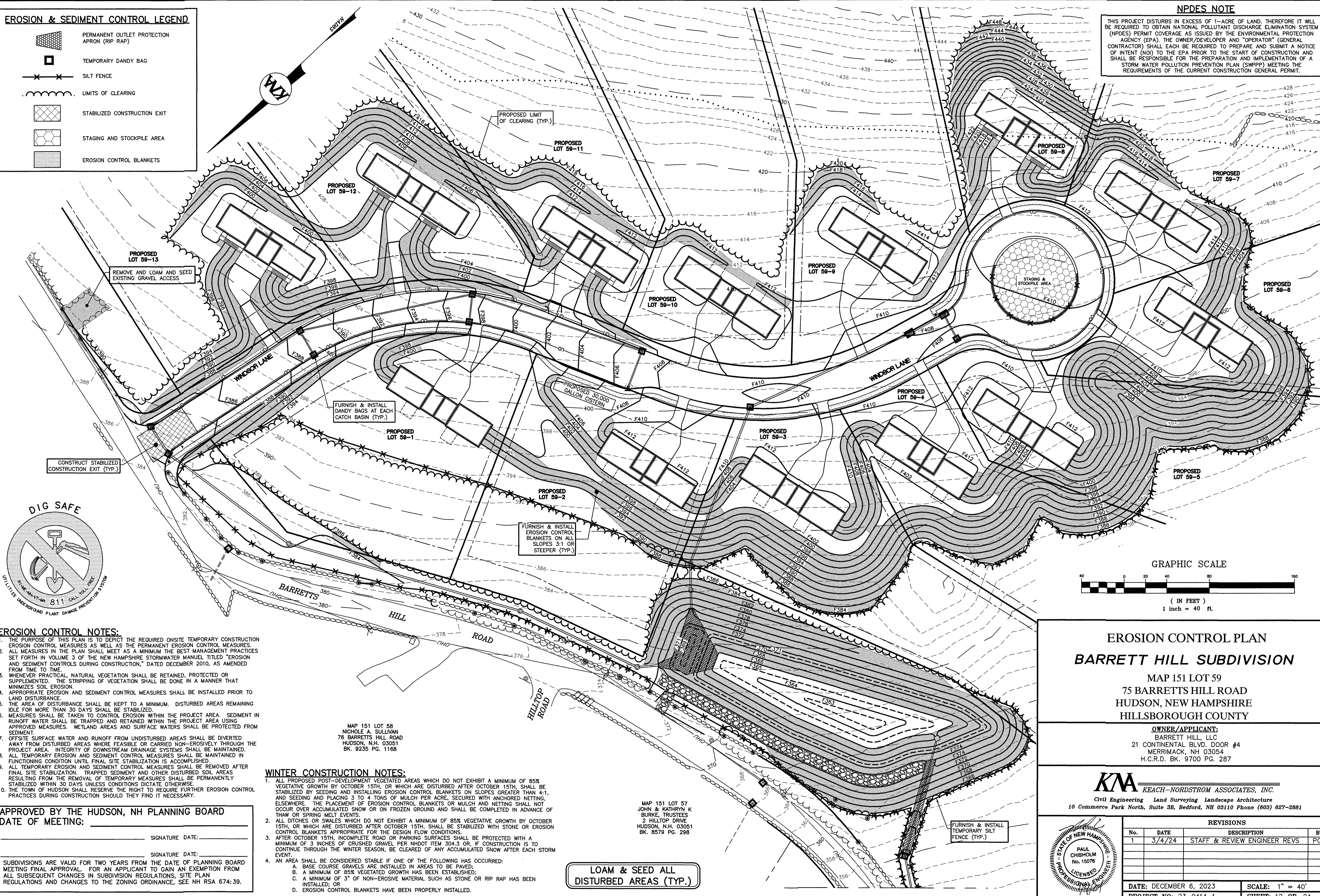
**APPROVED BY THE HUDSON, NH PLANNING BOARD**  
DATE OF MEETING: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



**EROSION & SEDIMENT CONTROL LEGEND**

-  PERMANENT OUTLET PROTECTION APRON (RIP RAP)
-  TEMPORARY DANDY BAG
-  SILT FENCE
-  LIMITS OF CLEARING
-  STABILIZED CONSTRUCTION EXIT
-  STAGING AND STOCKPILE AREA
-  EROSION CONTROL BLANKETS

**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 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 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 90 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 HUDSON SHALL RESERVE THE RIGHT TO REQUIRE FURTHER EROSION CONTROL PRACTICES DURING CONSTRUCTION SHOULD THEY FIND IT NECESSARY.

- 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 NHDOT ITEM 304.3 OR, IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON, BE CLEARED OF ANY ACCUMULATED SNOW AFTER 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.

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

**APPROVED BY THE HUDSON, NH PLANNING BOARD**  
 DATE OF MEETING: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SEE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

**EROSION CONTROL PLAN**  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETT'S HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

**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	PCM
1	3/4/24	STAFF & REVIEW ENGINEER REVS		

DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
 PROJECT NO: 23-0414-1 SHEET: 12 OF 24

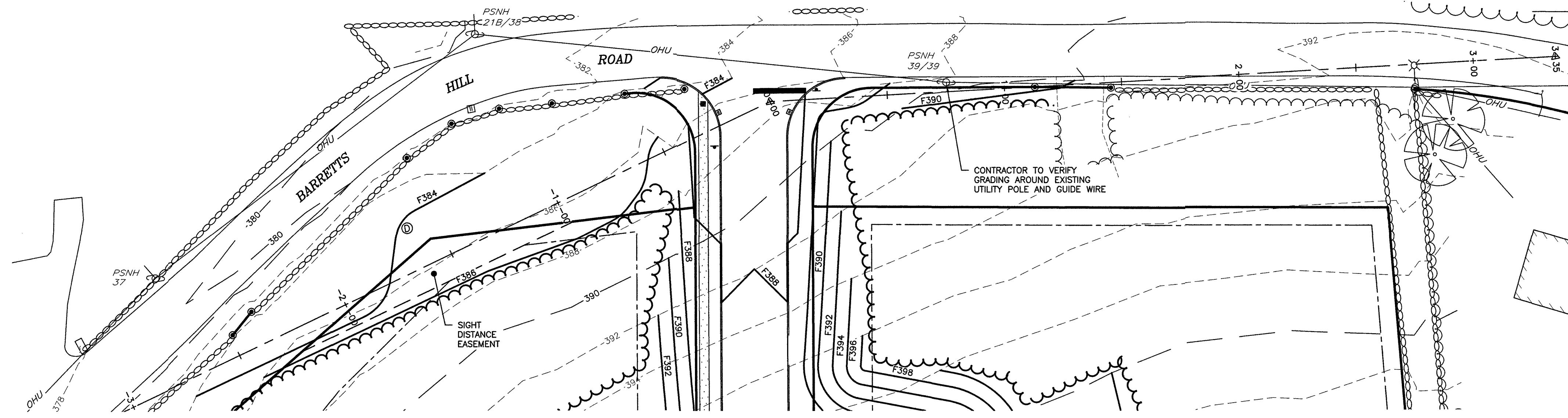


MAP 151 LOT 57  
 JOHN & KATHRYN K BURKE, TRUSTEES  
 2 HILLTOP DRIVE  
 HUDSON, N.H. 03051  
 BK. 8579 PG. 298

MAP 151 LOT 58  
 NICHOLE A SULLIVAN  
 76 BARRETT'S HILL ROAD  
 HUDSON, N.H. 03051  
 BK. 9235 PG. 1168



KMA



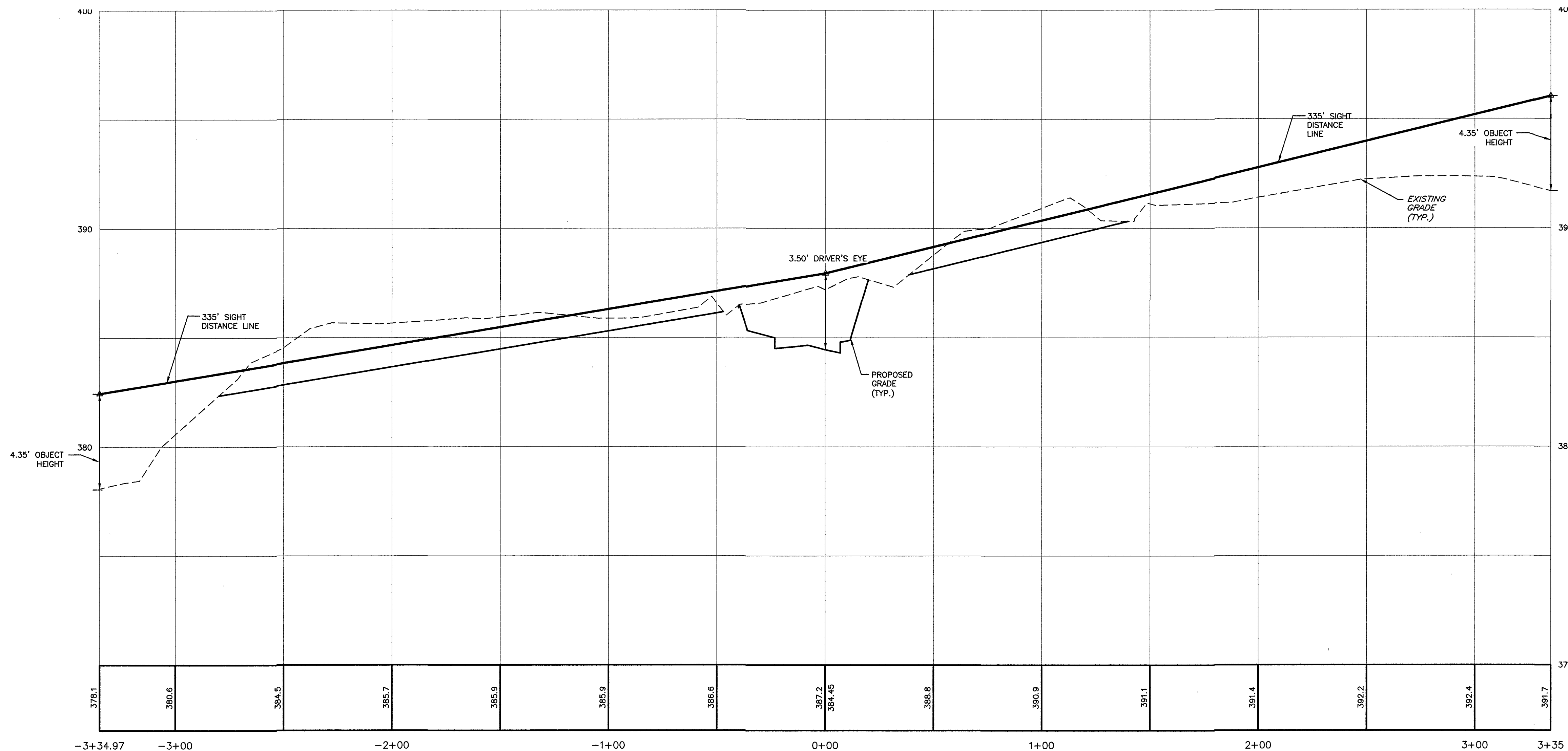
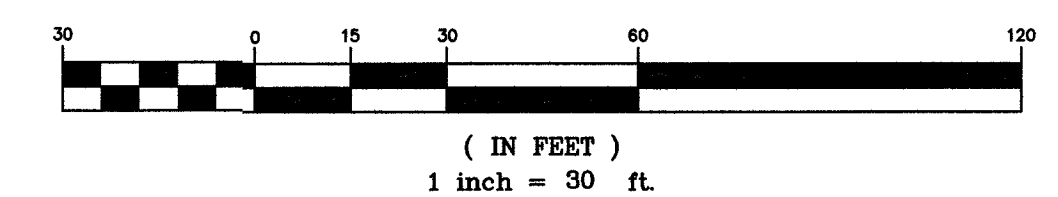
**SIGHT DISTANCE PLAN**  
SCALE: 1" = 30'

**LEGEND**

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- IPP-F IRON PIPE FOUND
- △ RRS-F RAILROAD SPIKE FOUND
- UTILITY POLE
- ↑ SIGN
- ⊙ LIGHT
- ⊙ WELL
- ⊙ SEWER MANHOLE
- ⊙ DRAINAGE MANHOLE
- ⊙ CATCH BASIN
- ABUTTER LINE
- PROPERTY LINE
- STREAM
- WETLAND
- OHU OVERHEAD UTILITIES
- DRAINAGE LINE
- TREELINE
- 10' CONTOUR
- 2' CONTOUR
- STONEMALL
- BUILDING SETBACK
- EASEMENT
- ⊗ PROPOSED WATER VALVE
- ⊗ PROPOSED HYDRANT
- ⊗ PROPOSED WELL
- ⊗ PROPOSED DRAINAGE MANHOLE
- ⊗ PROPOSED CATCH BASIN
- PROPOSED PROPERTY LINE
- PROPOSED GUARDRAIL
- UGU PROPOSED UNDERGROUND UTILITIES
- G PROPOSED GAS LINE
- W PROPOSED WATER LINE
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB
- PROPOSED 2' CONTOUR



**GRAPHIC SCALE**



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

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

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

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

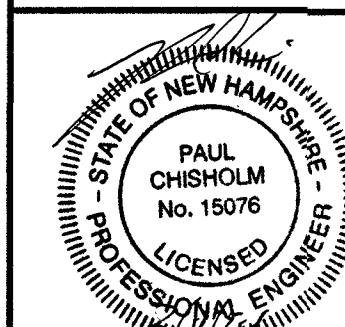
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

**SIGHT DISTANCE PLAN & PROFILE**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**

BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

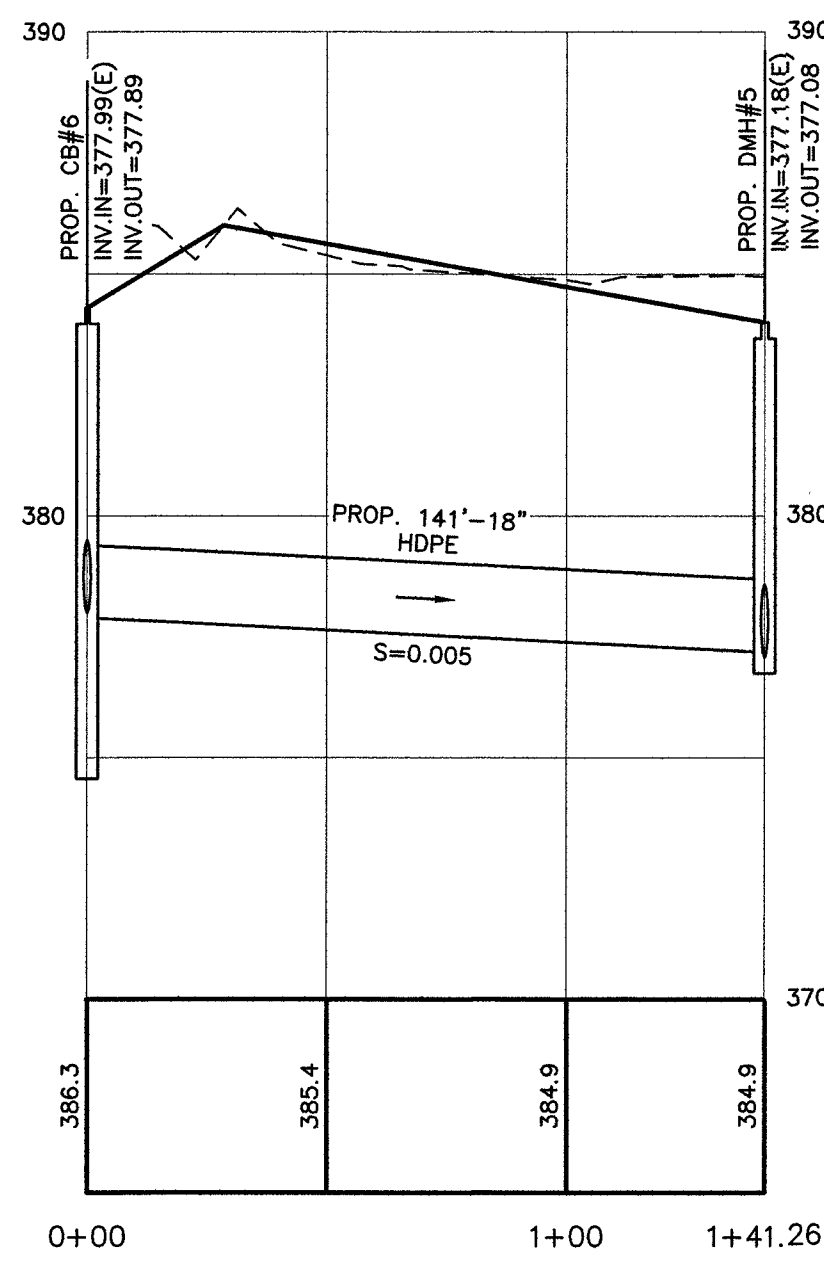
**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



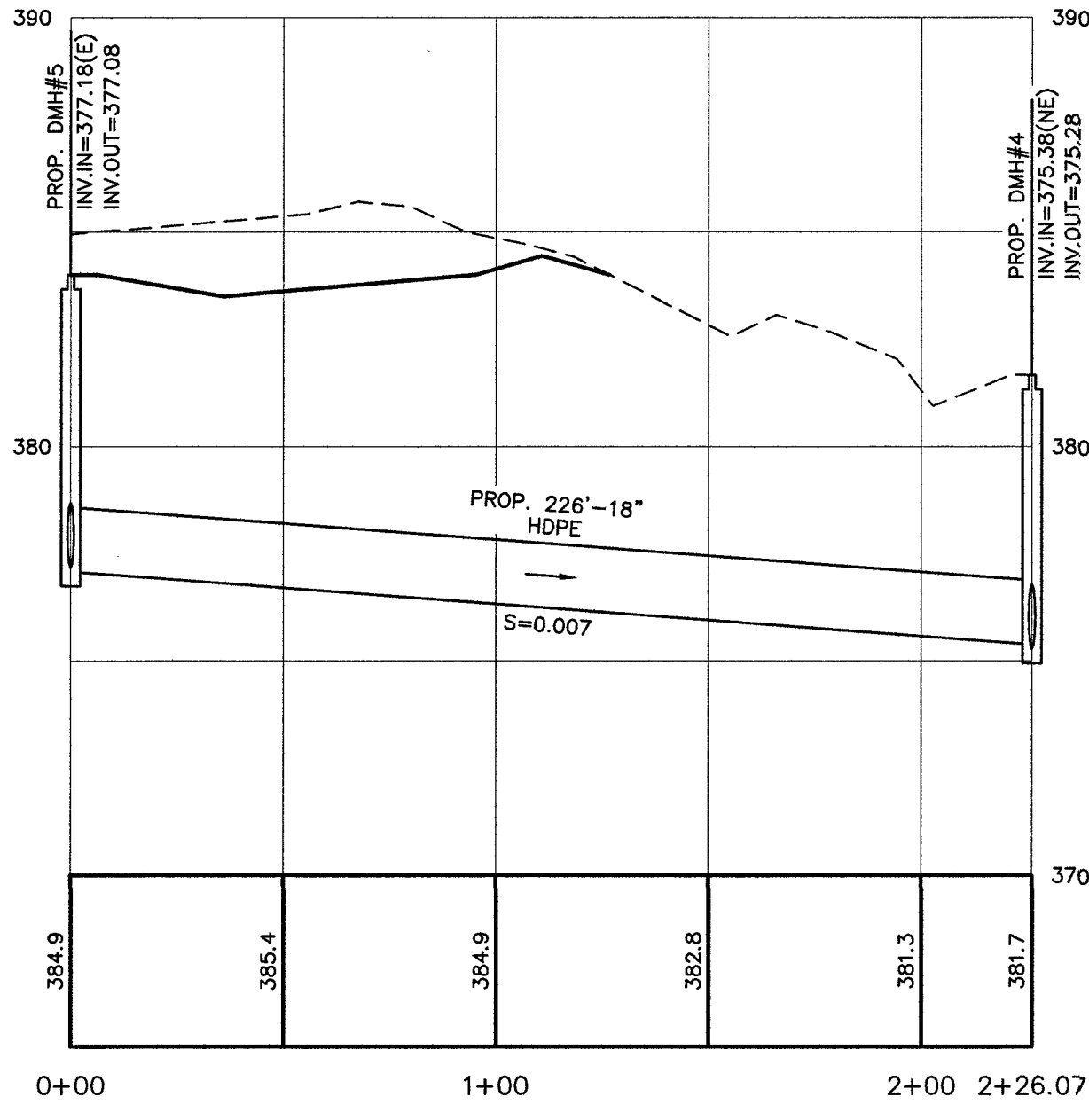
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1" = 30'  
PROJECT NO: 23-0414-1 SHEET: 13 OF 24

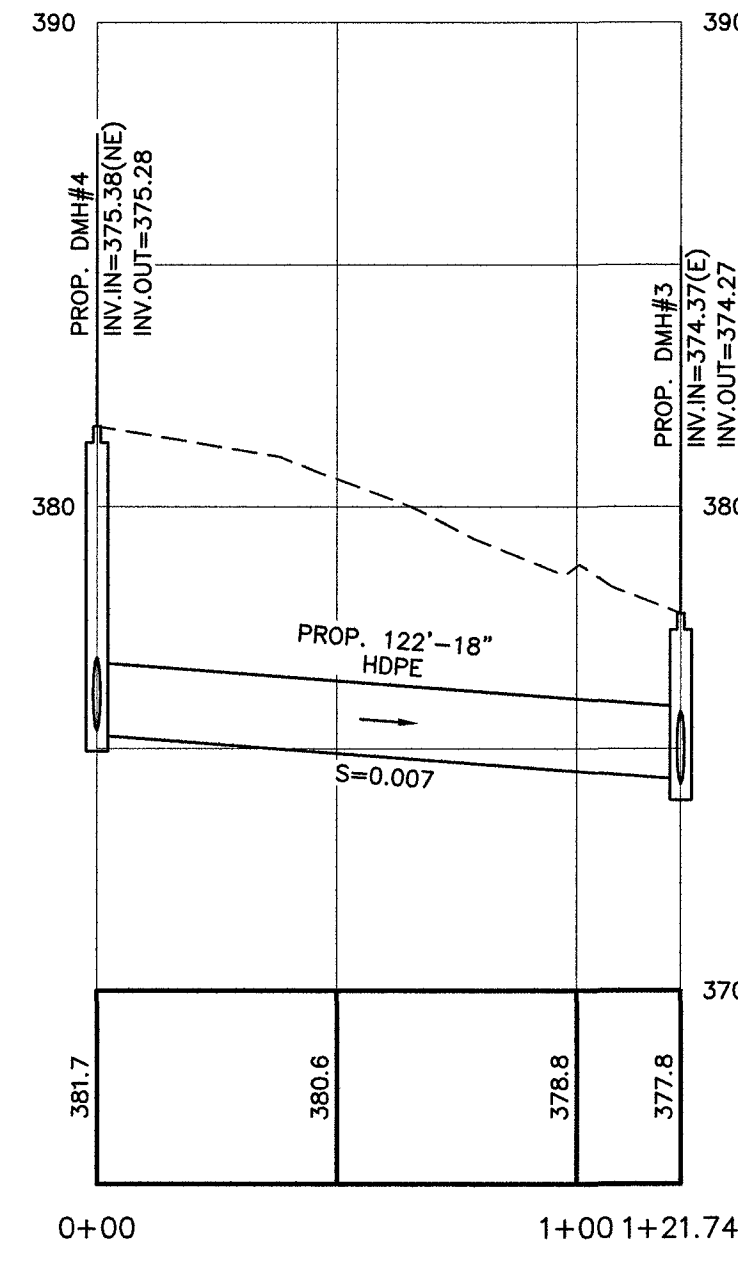




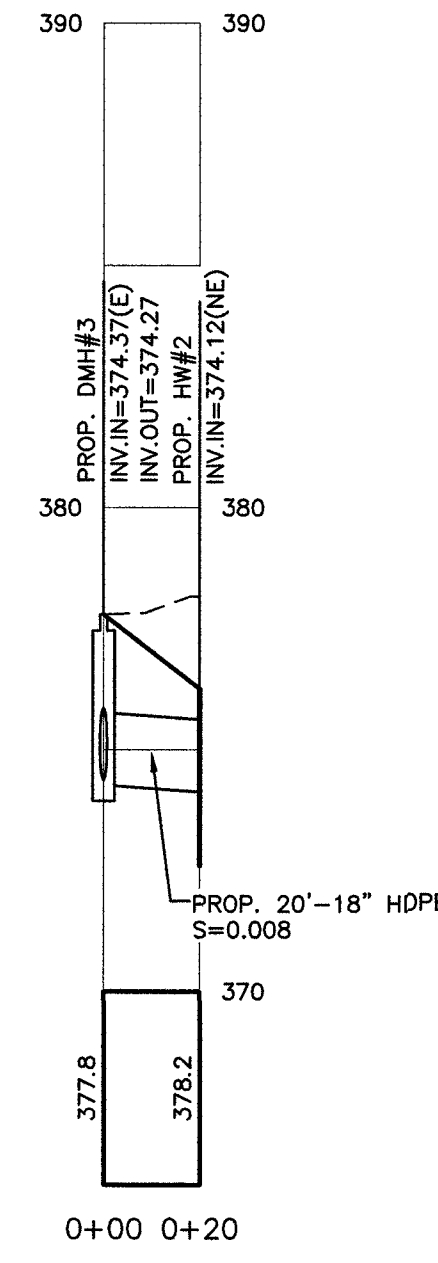
**CB#6 TO DMH#5**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



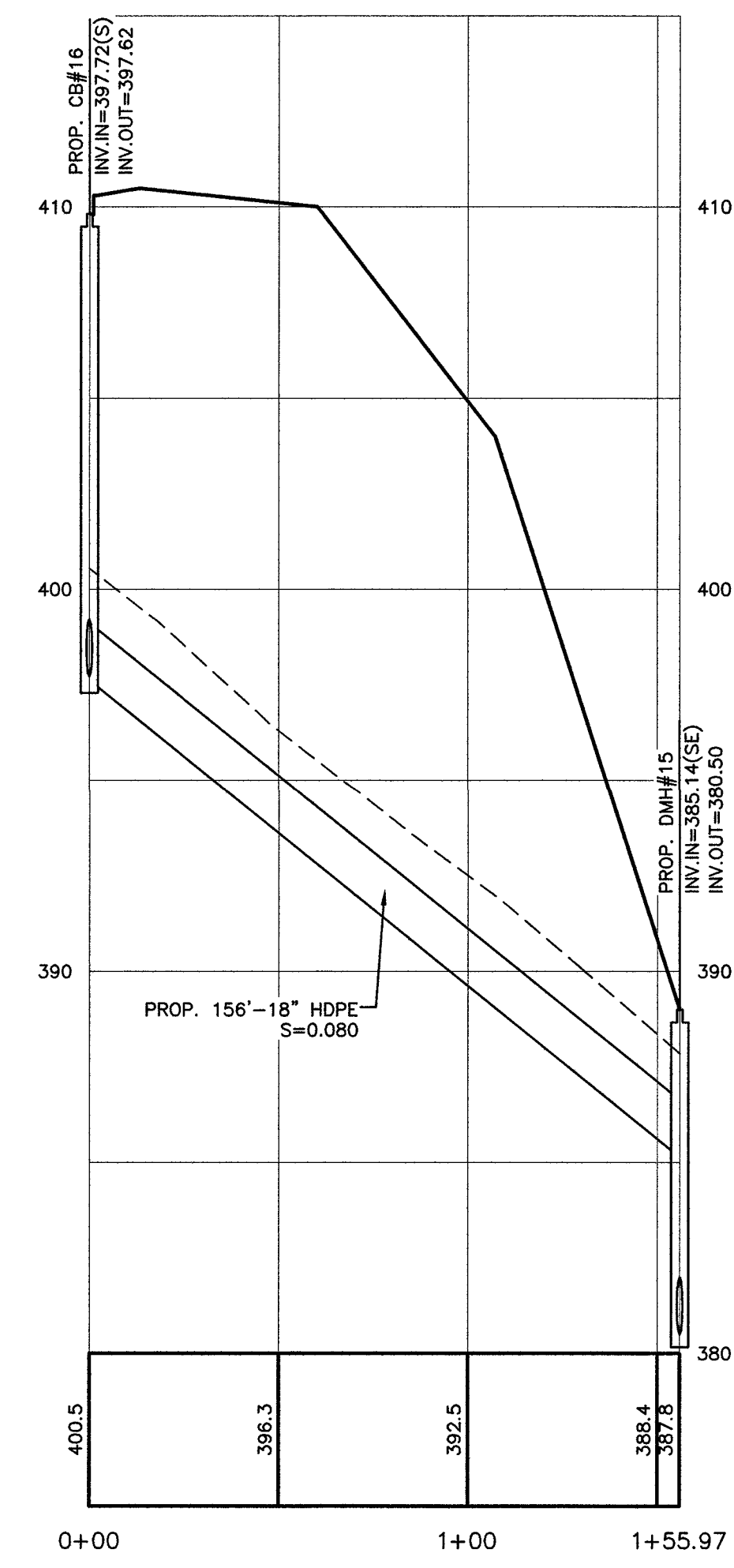
**DMH#5 TO DMH#4**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



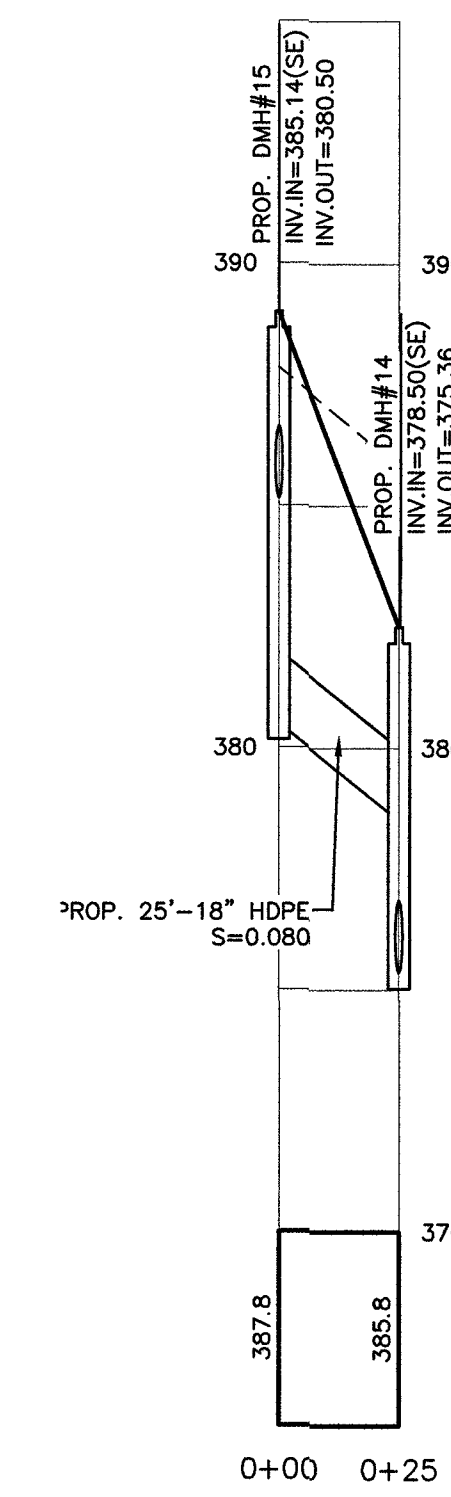
**DMH#4 TO DMH#3**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



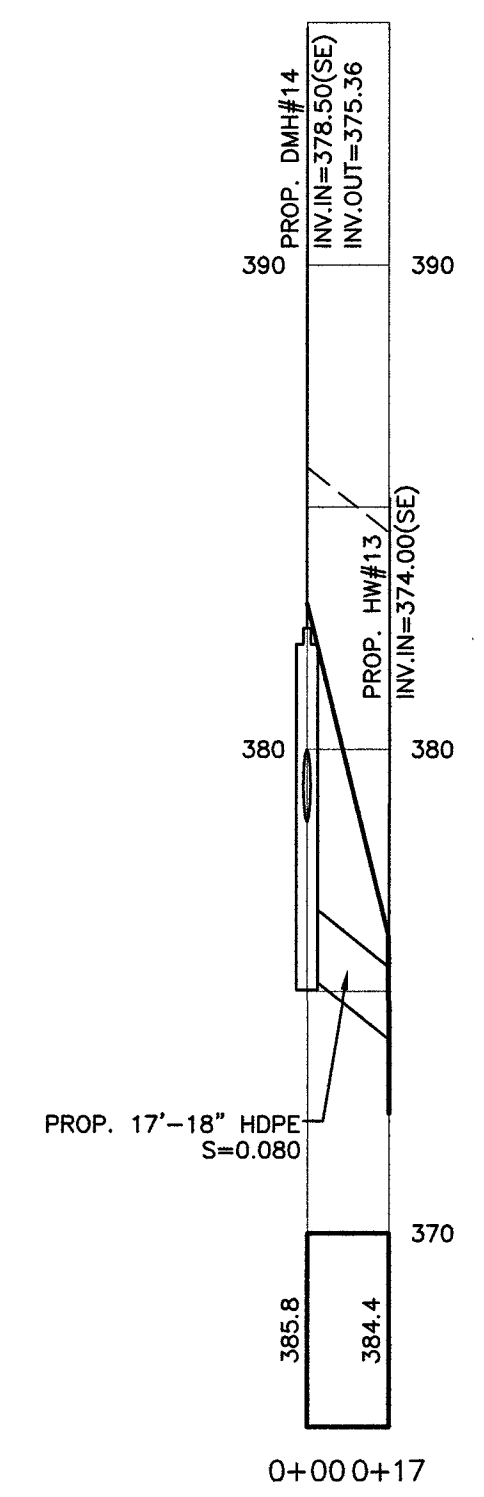
**DMH#3 TO HW#2**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



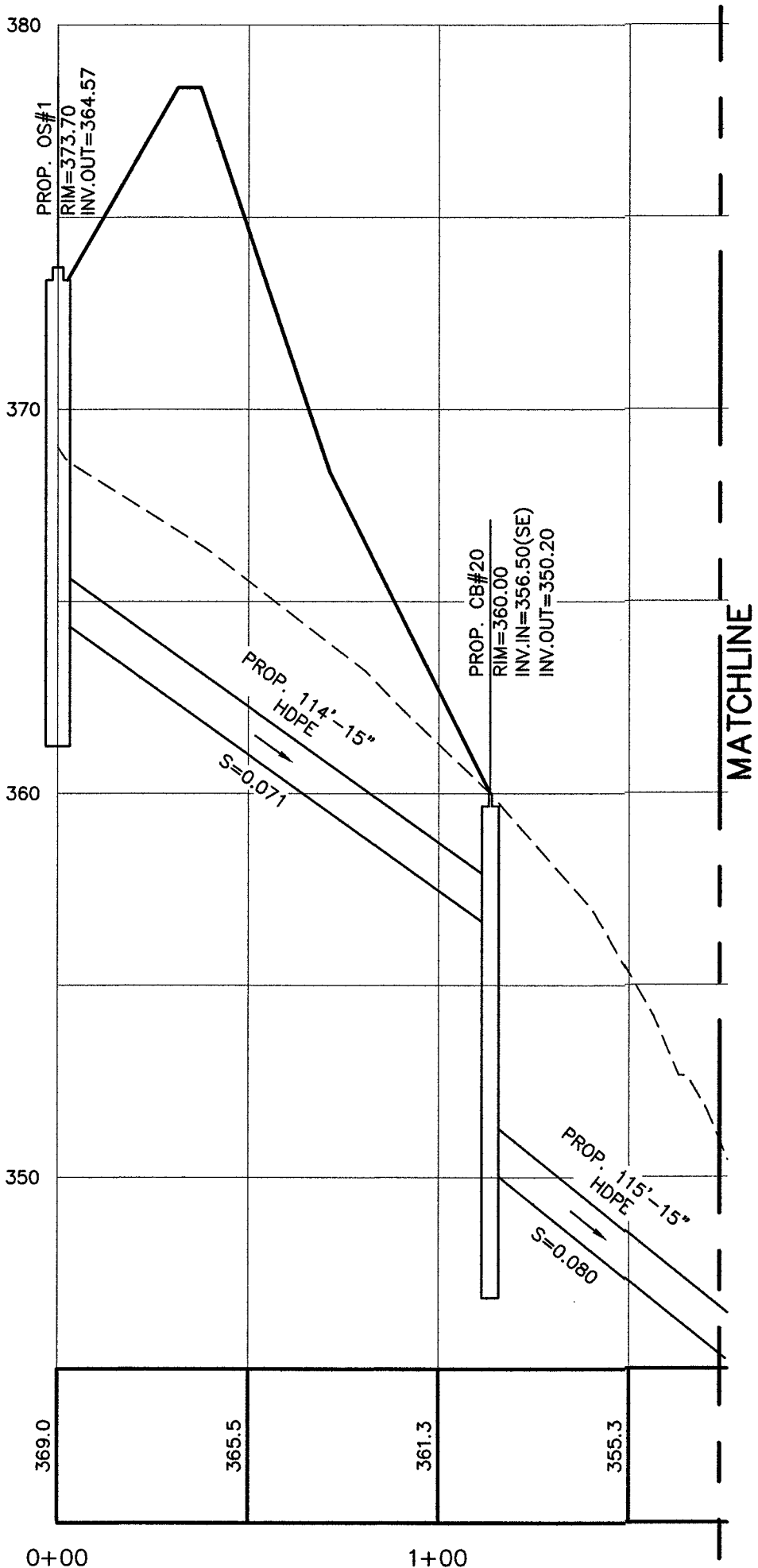
**HW#16 TO HW#15**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



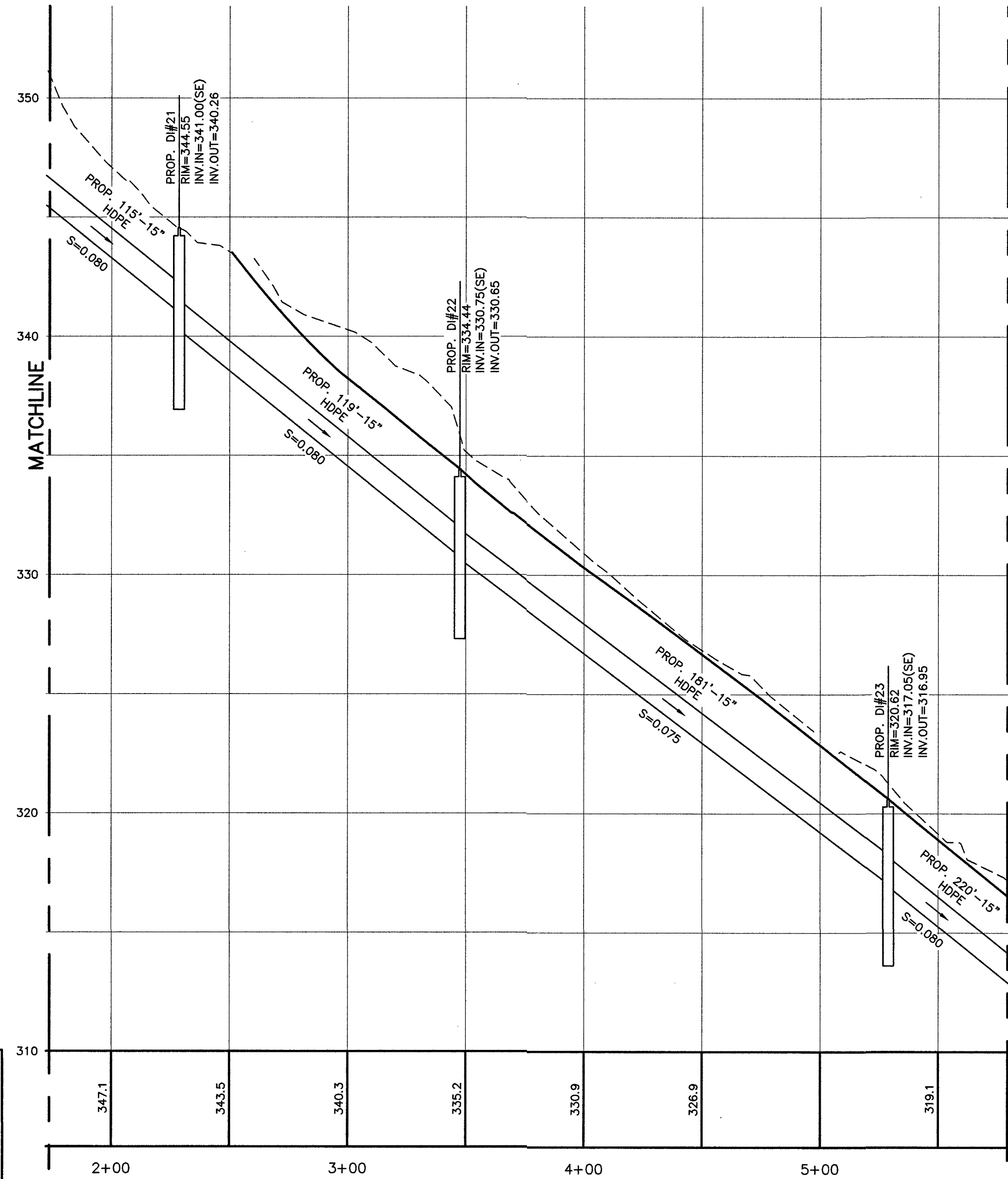
**HW#15 TO HW#14**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



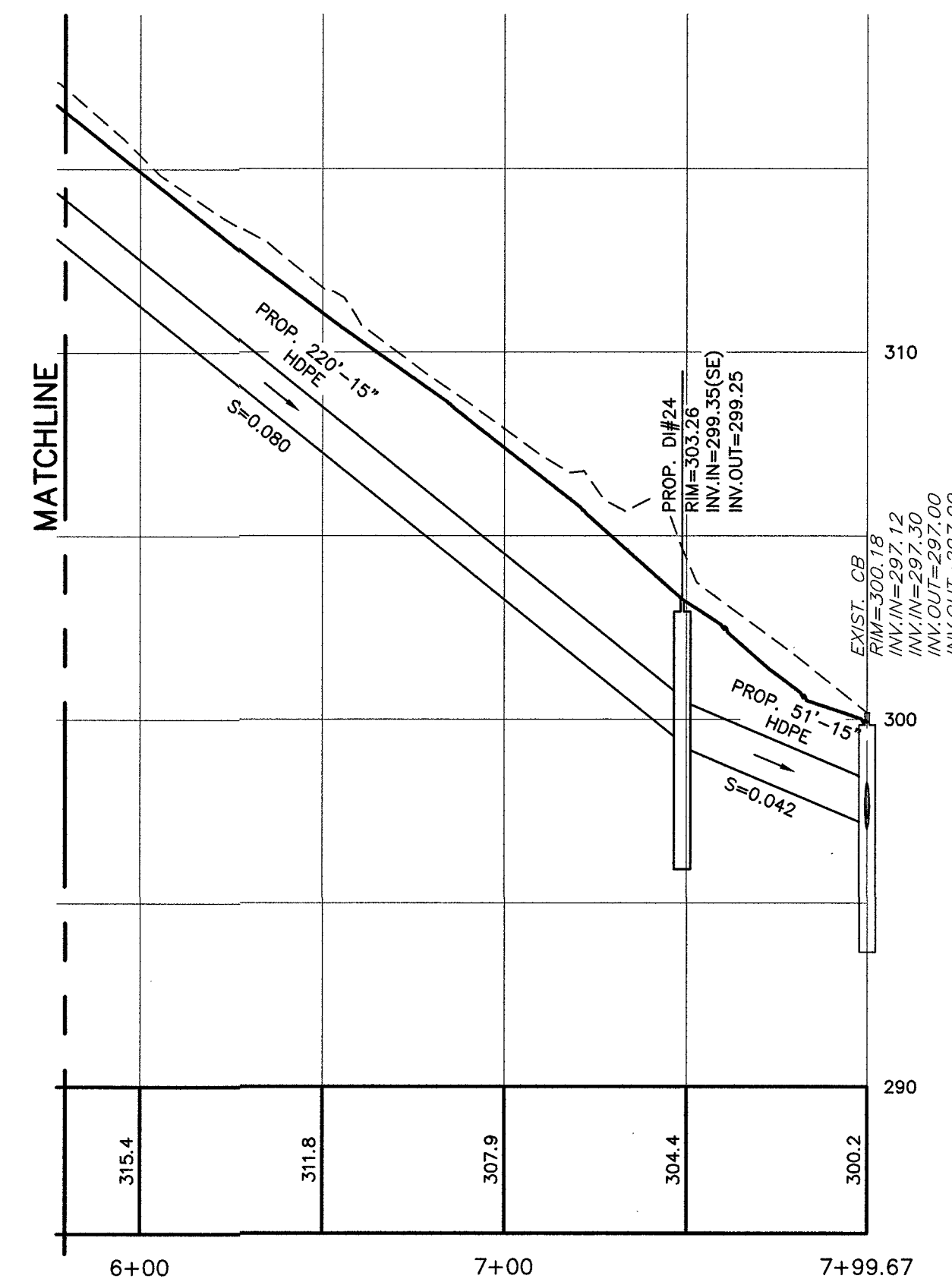
**HW#14 TO HW#13**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



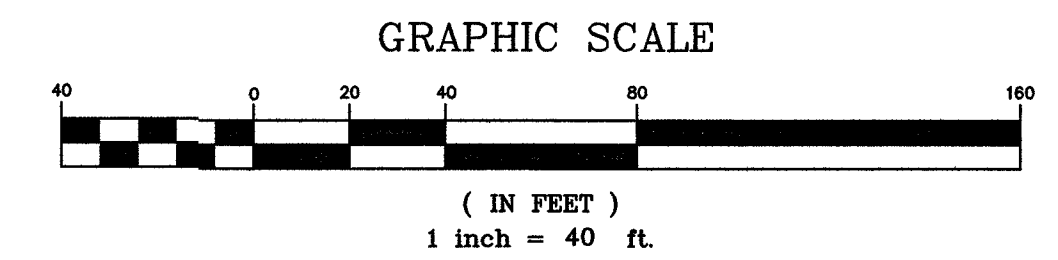
**OS#1 TO EXIST. CB**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



**OS#1 TO EXIST. CB (CONTINUED)**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



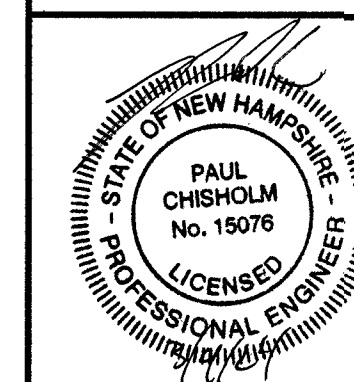
**OS#1 TO EXIST. CB (CONTINUED)**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



**DRAINAGE PROFILES**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

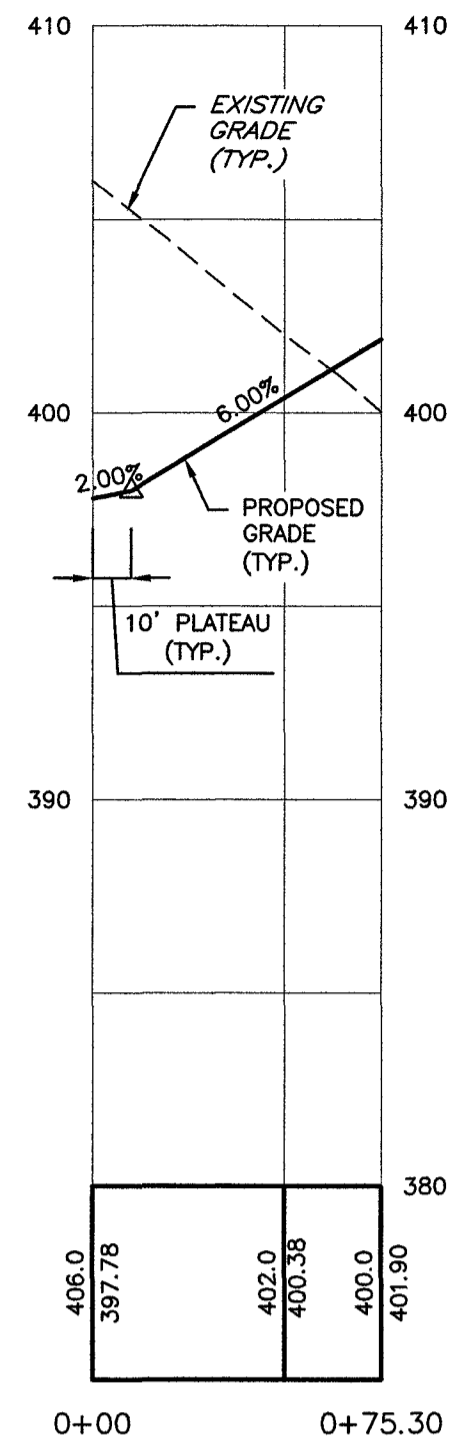
**KEACH-NORDSTROM ASSOCIATES, INC.**  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



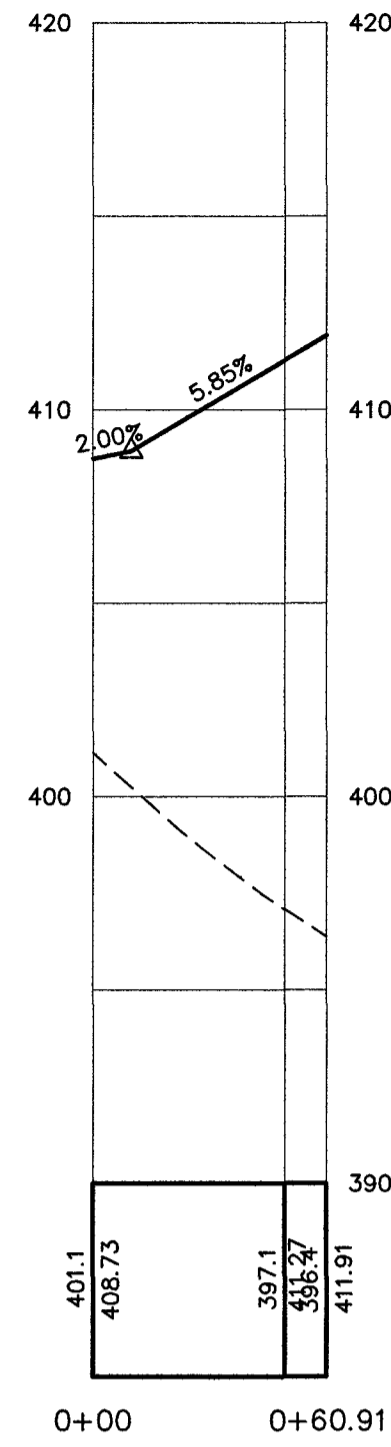
REVISIONS			
No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
PROJECT NO: 23-0414-1 SHEET: 14 OF 24

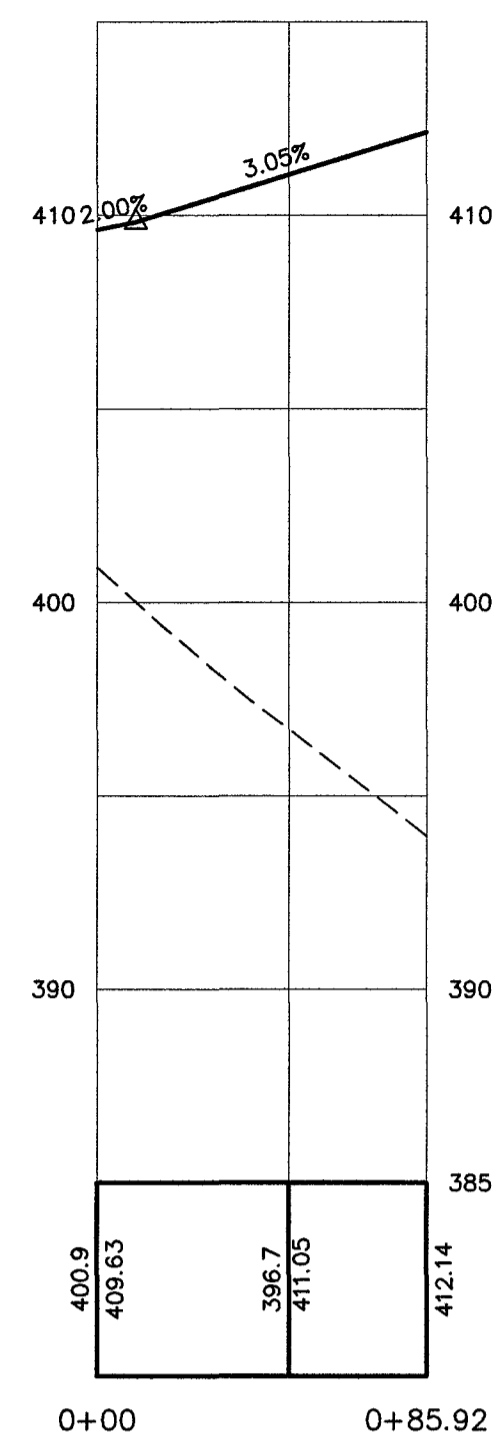
APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



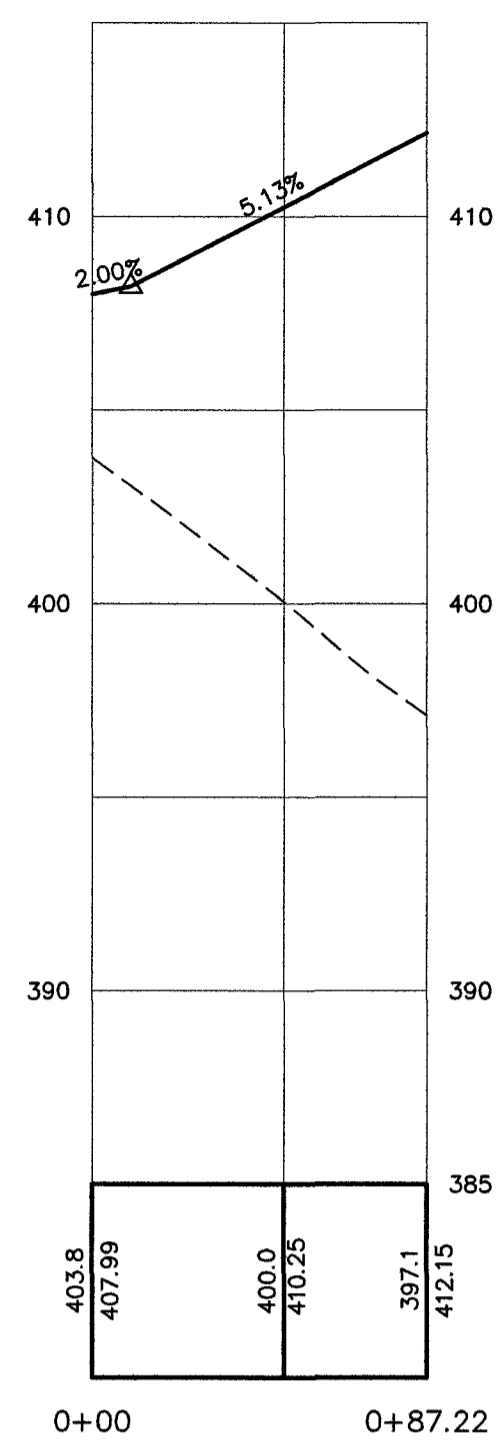
**LOT 1 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



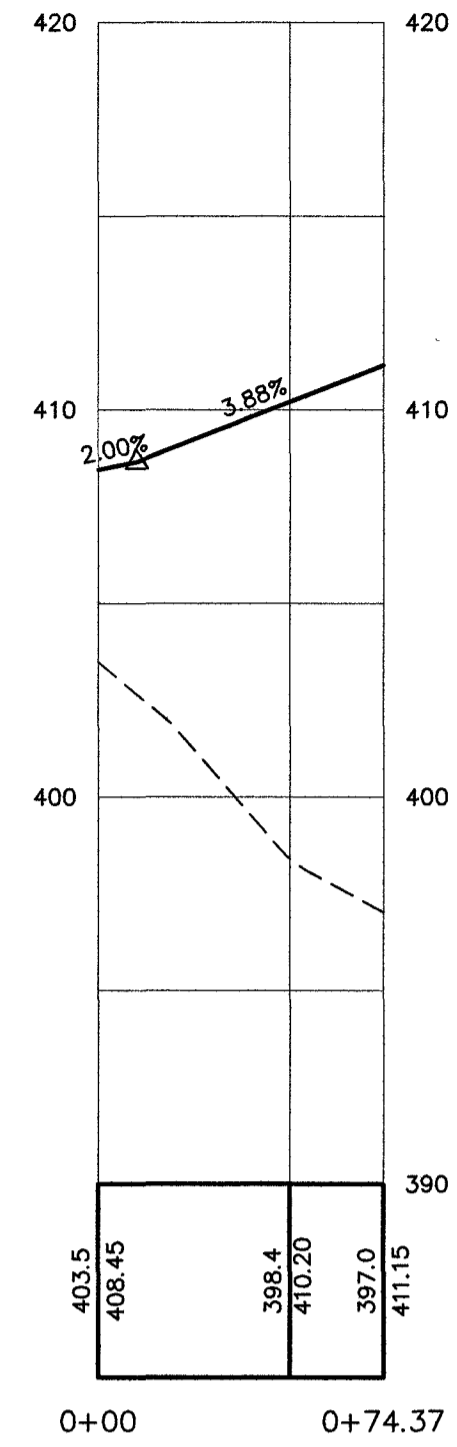
**LOT 2 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



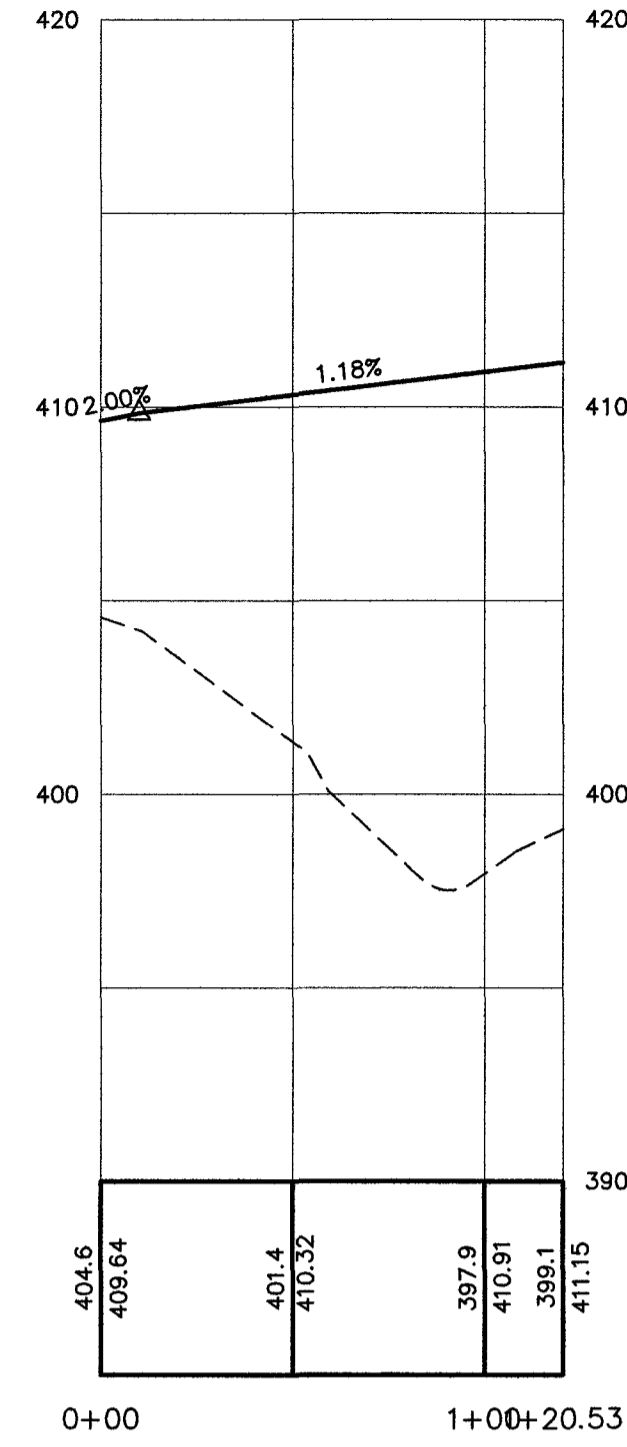
**LOT 3 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



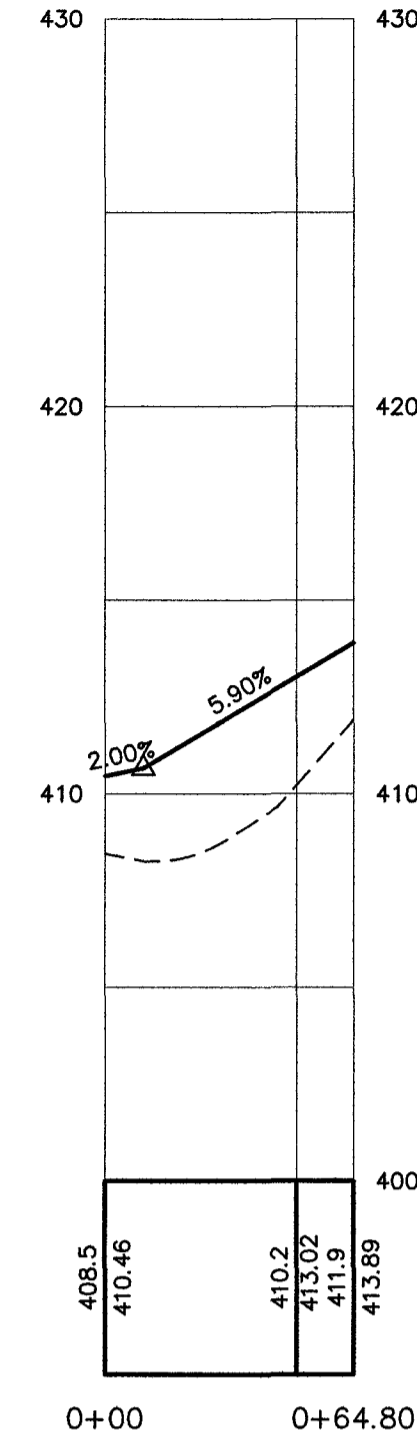
**LOT 4 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



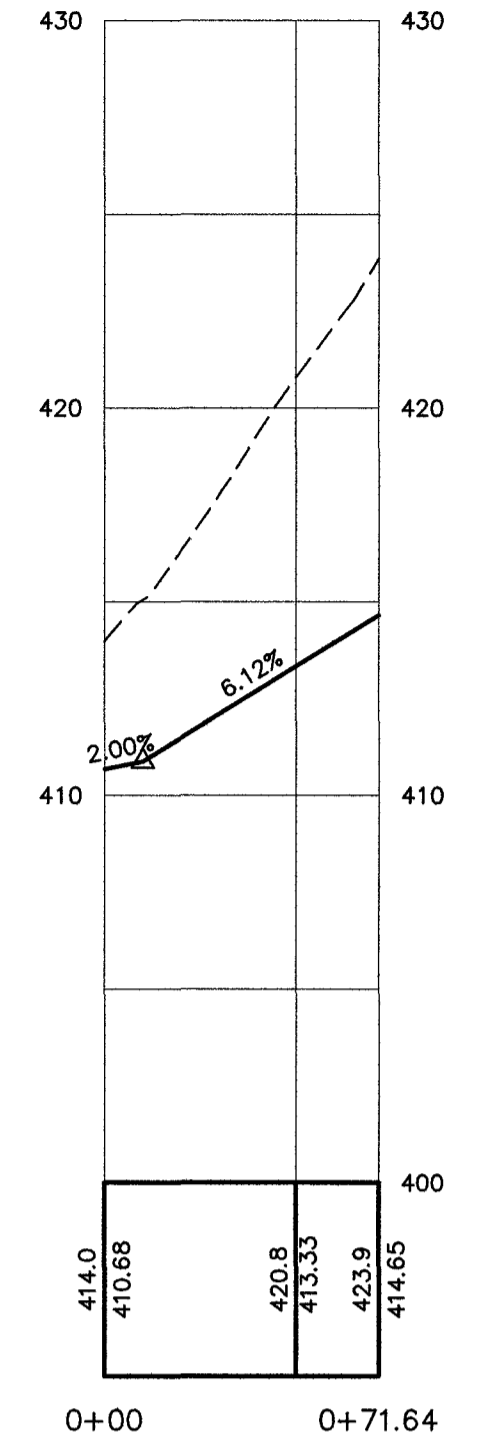
**LOT 5 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



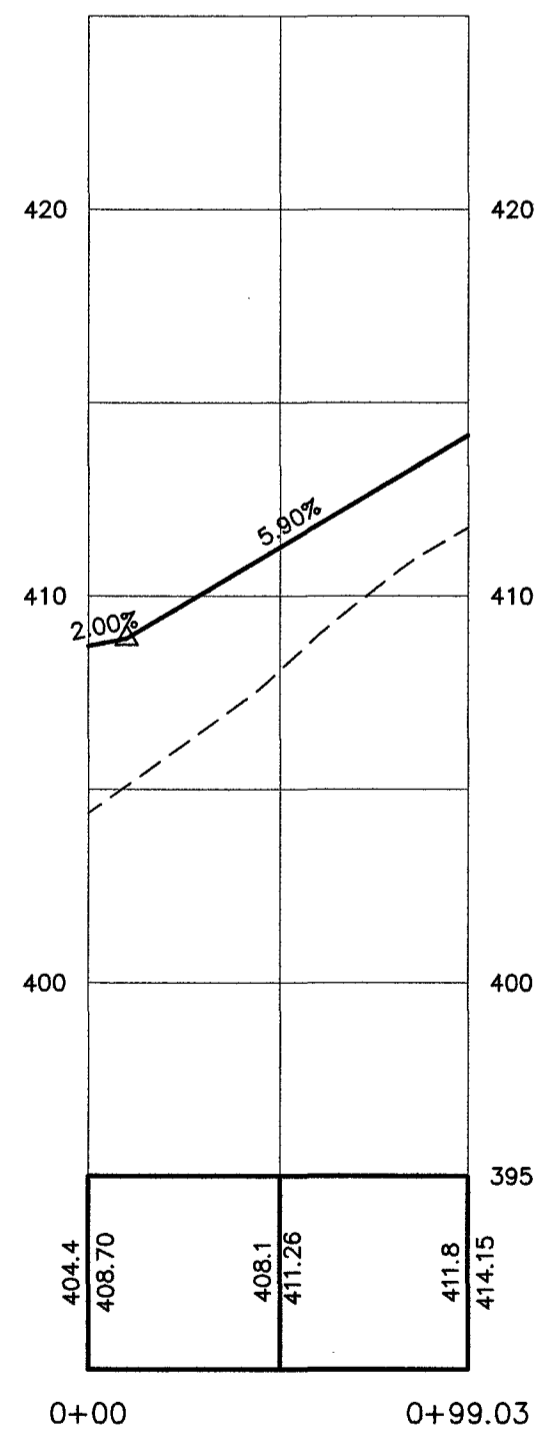
**LOT 6 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



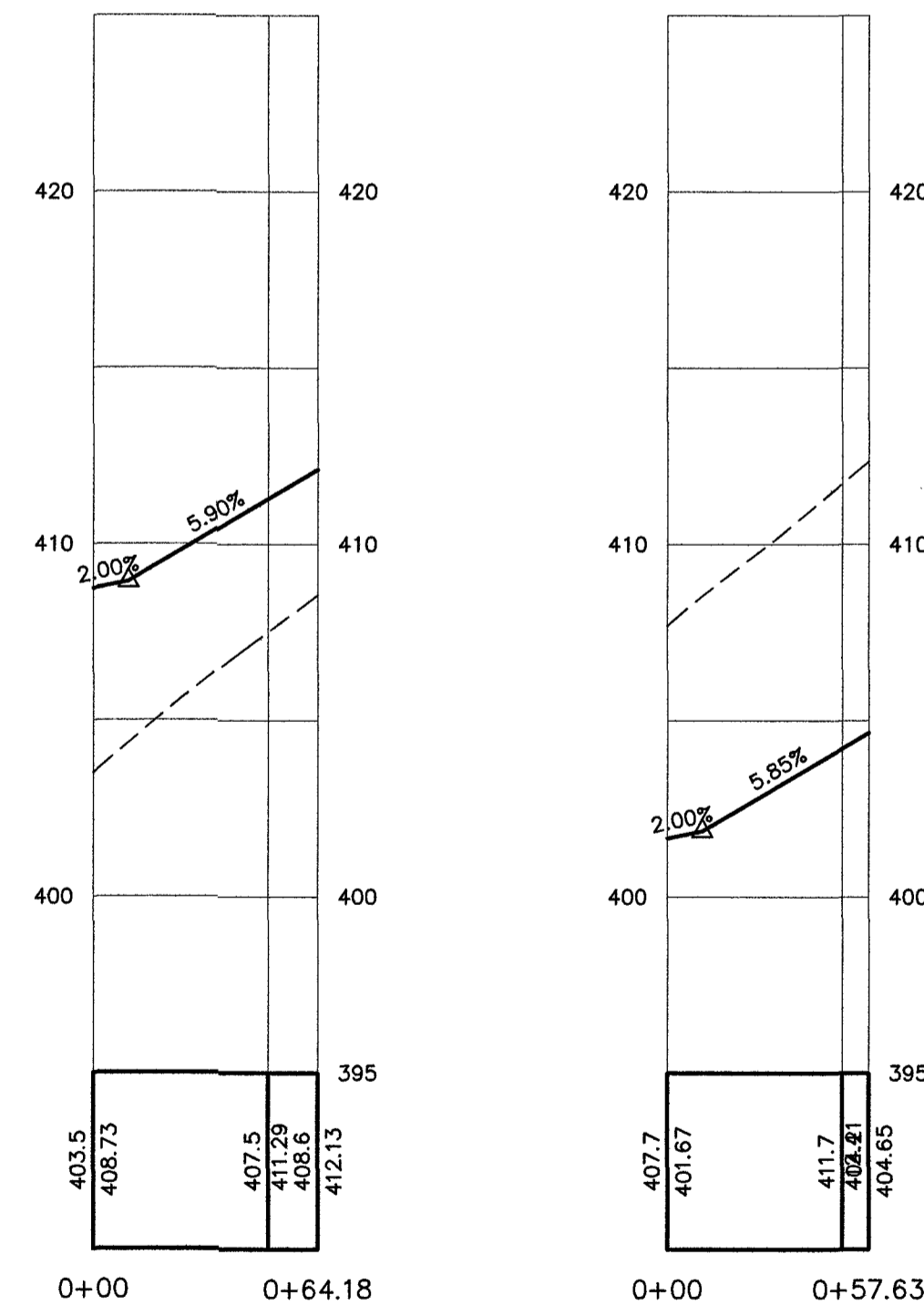
**LOT 7 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



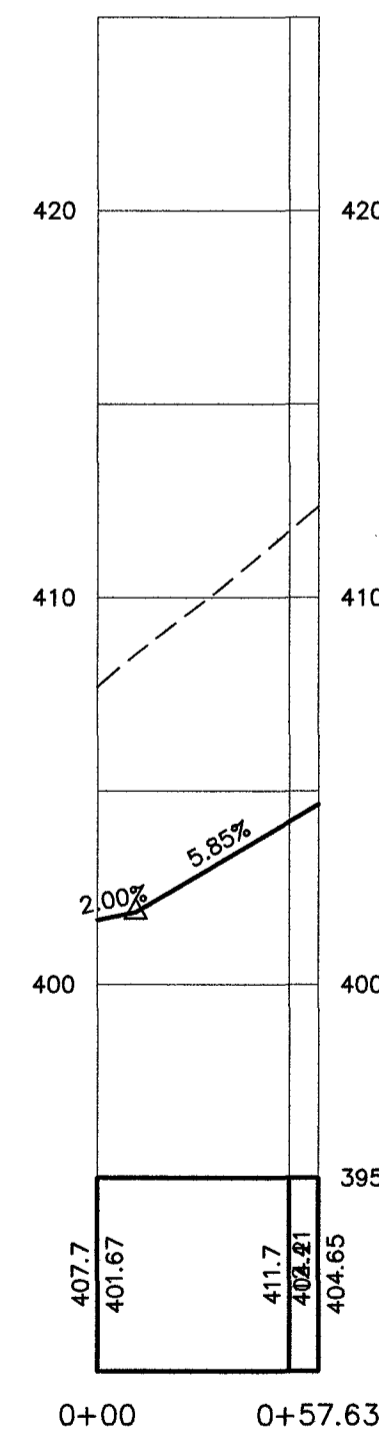
**LOT 8 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



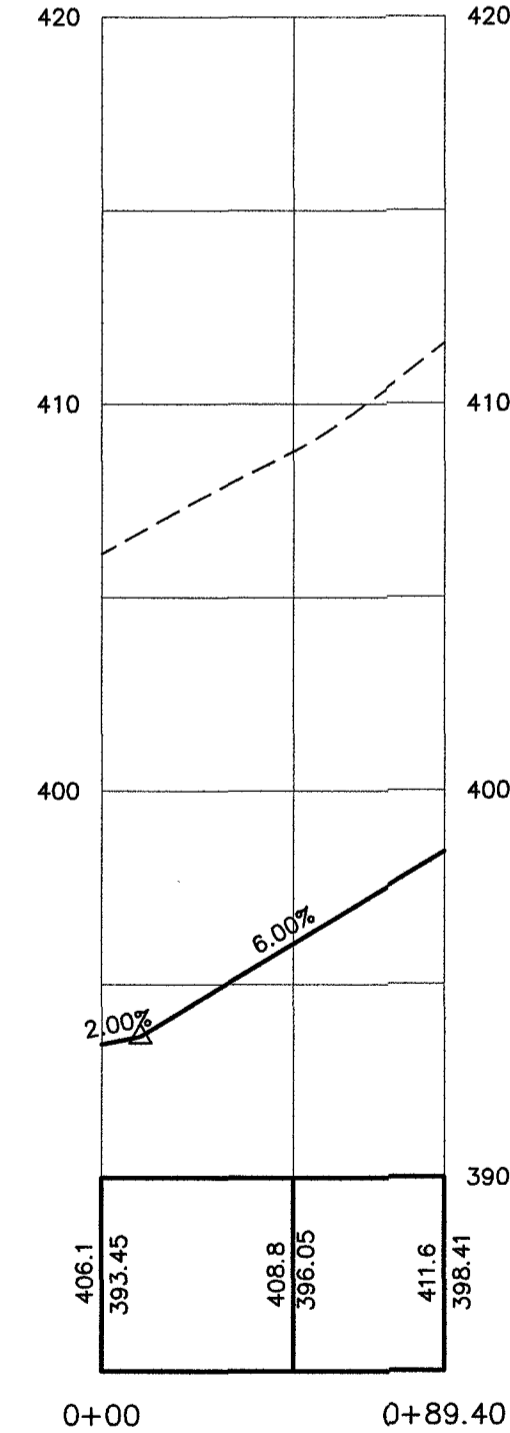
**LOT 9 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



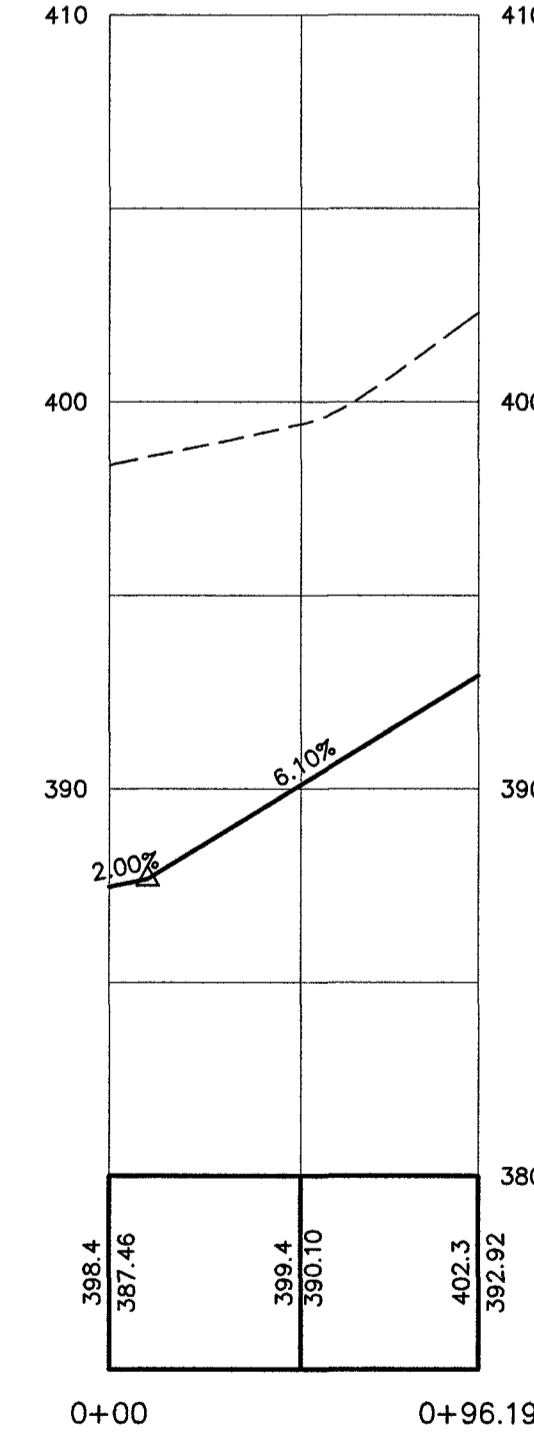
**LOT 10 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



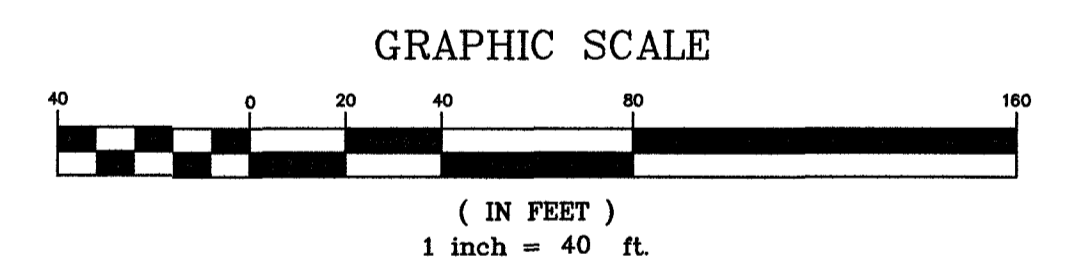
**LOT 11 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



**LOT 12 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



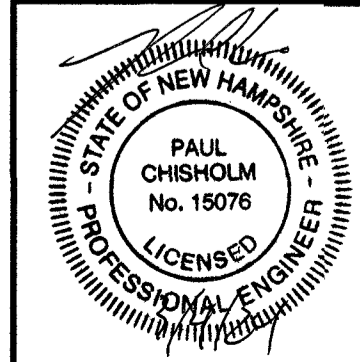
**LOT 13 DRIVEWAY**  
SCALE: 1" = 50'(HORIZ.)  
1" = 5'(VERT.)



**DRIVEWAY PROFILES**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

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



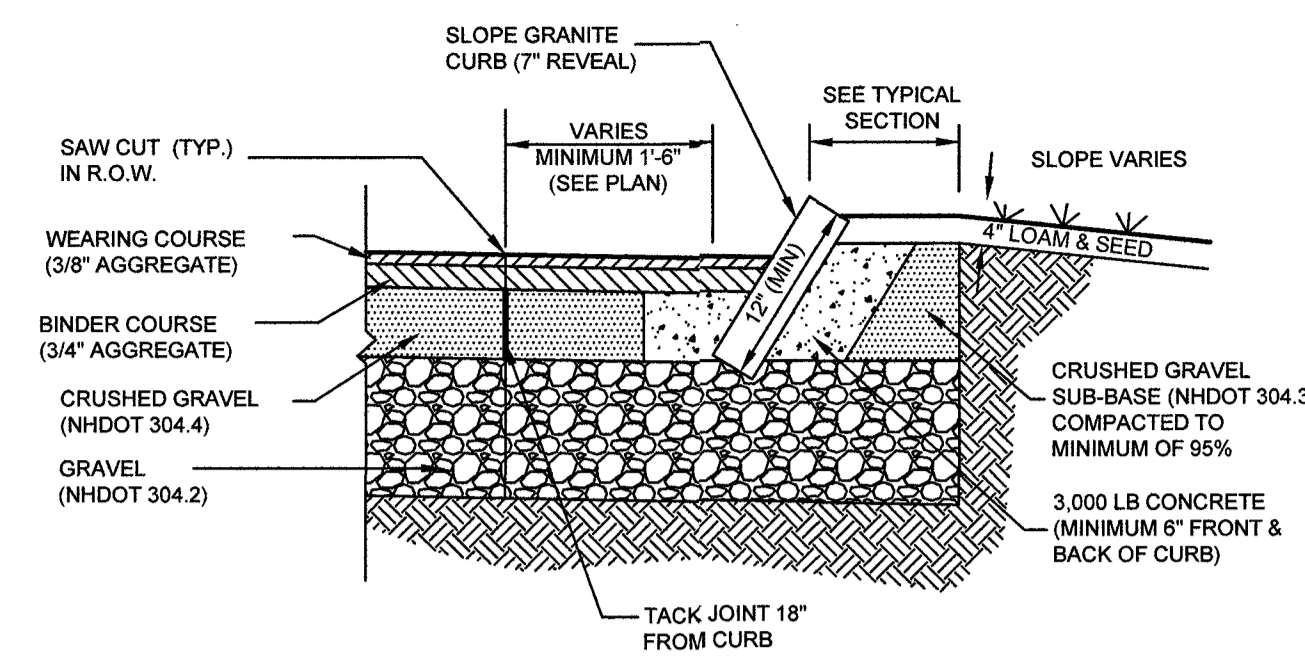
REVISIONS				
No.	DATE	DESCRIPTION	BY	PC
1	2/26/24	STAFF, AOT & REV ENGINEER	REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1" = 40'  
PROJECT NO: 23-0414-1 SHEET: 15 OF 24

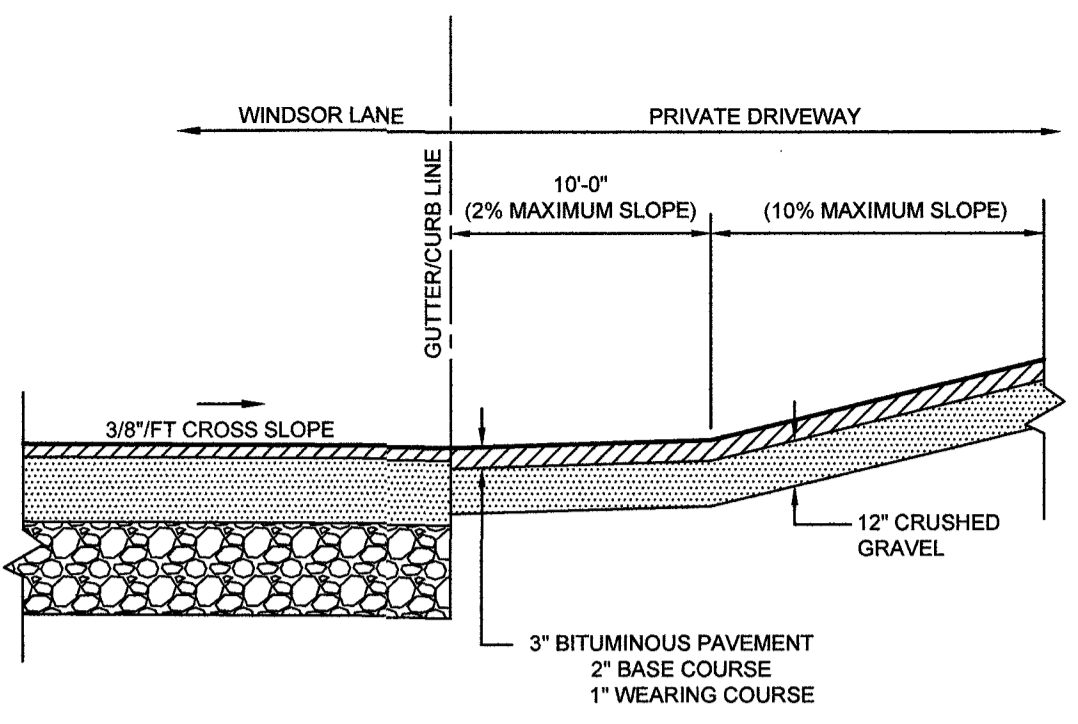
APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

SEE SHEET 10 FOR PLAN VIEW OF DRIVEWAYS

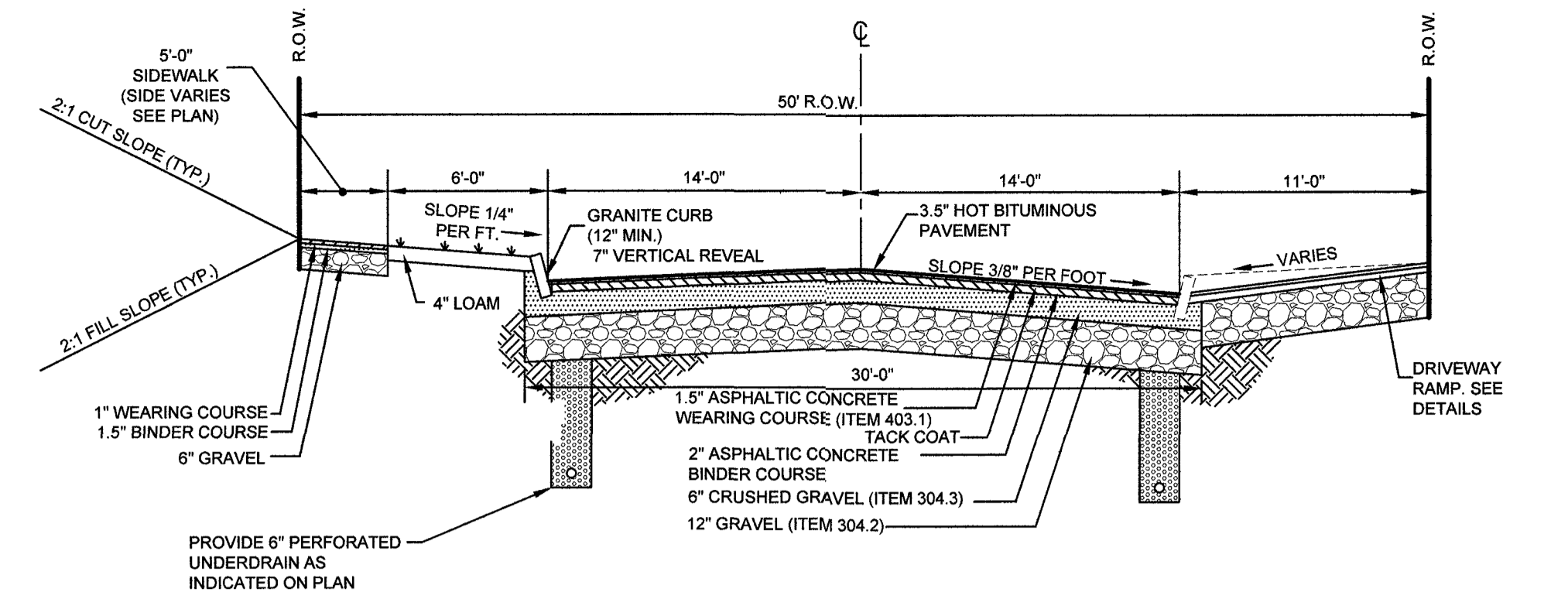




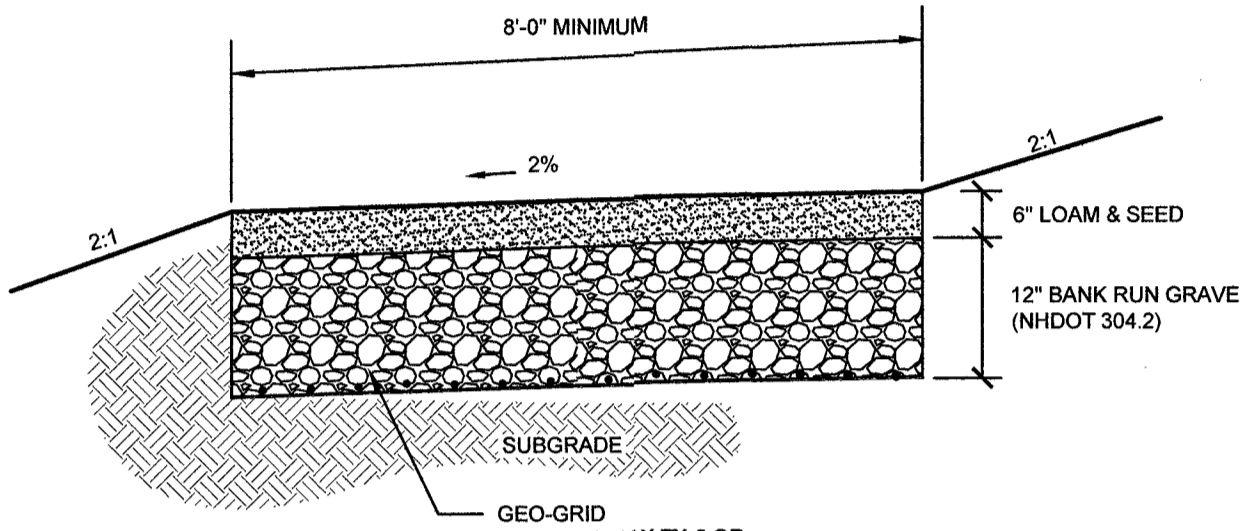
**SLOPE GRANITE CURB DETAIL**  
NOT TO SCALE



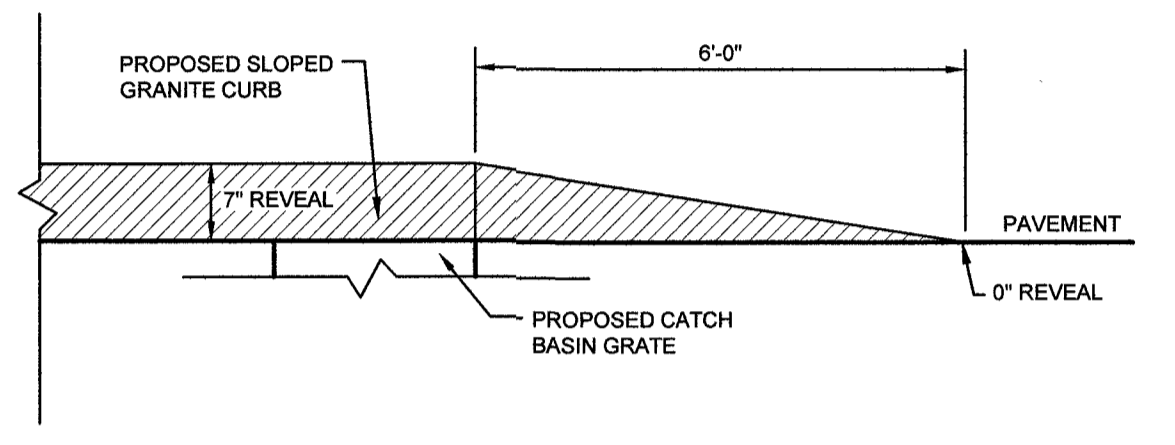
**DRIVEWAY CROSS SECTION**  
NOT TO SCALE



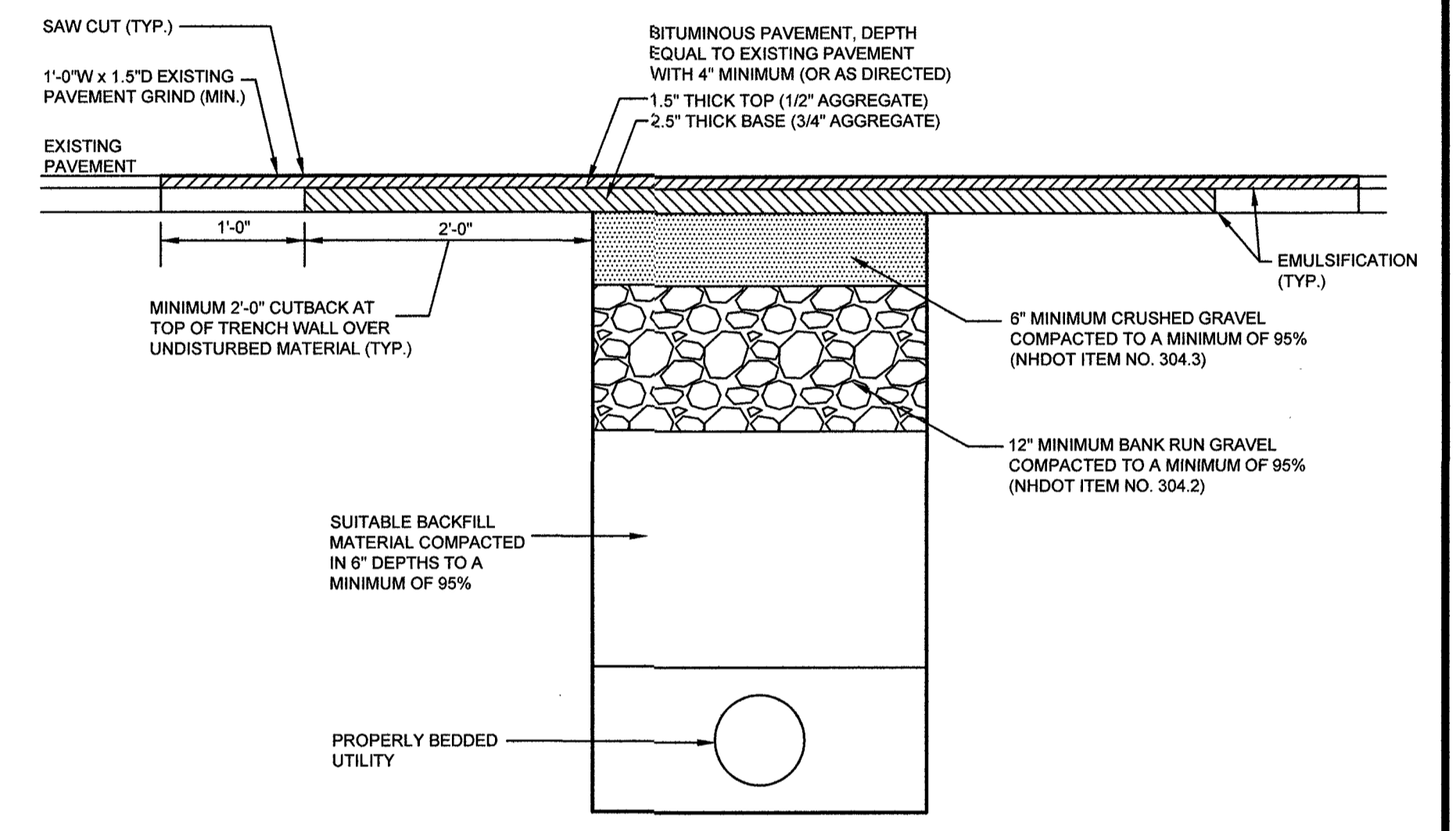
**TYPICAL ROADWAY CROSS SECTION FOR WINDSOR LANE**  
NOT TO SCALE



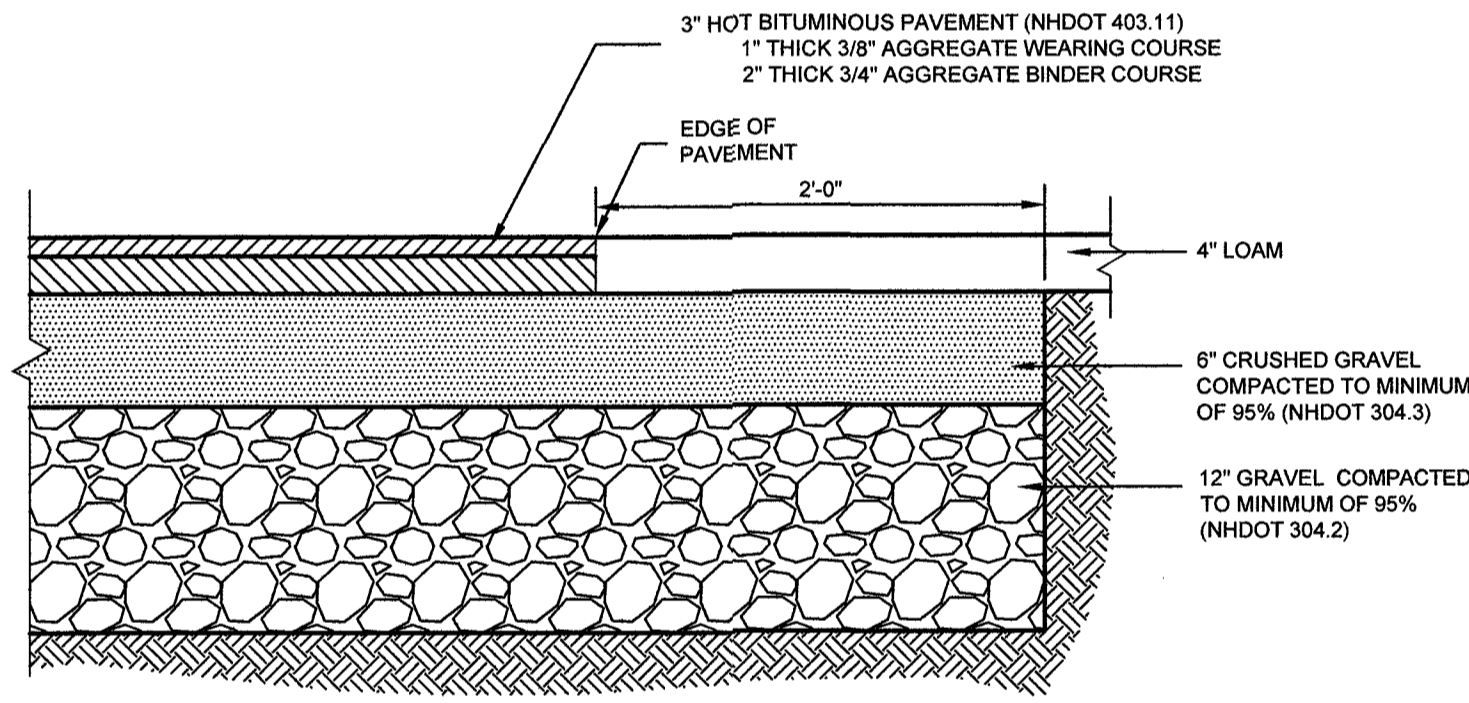
**DRAINAGE ACCESS WAY DETAIL**  
NOT TO SCALE



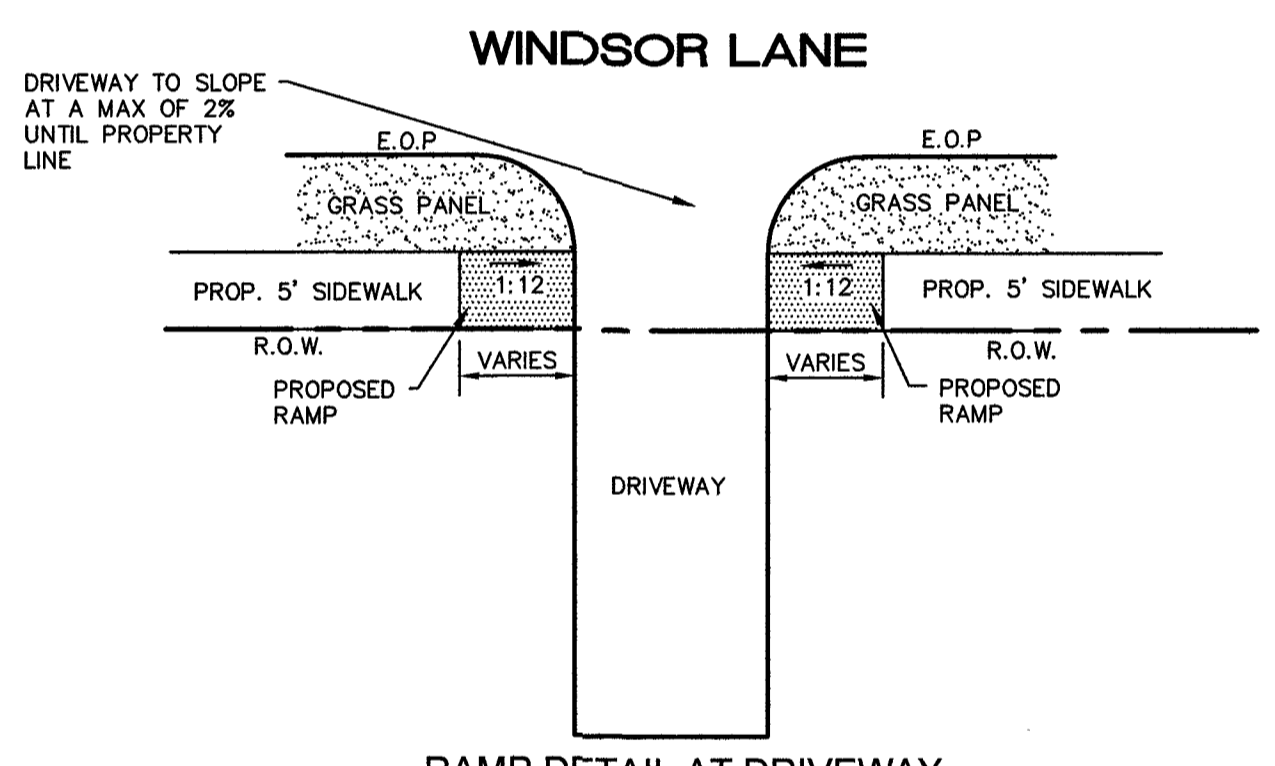
**SLOPED GRANITE CURB TIP DOWN DETAIL**  
NOT TO SCALE



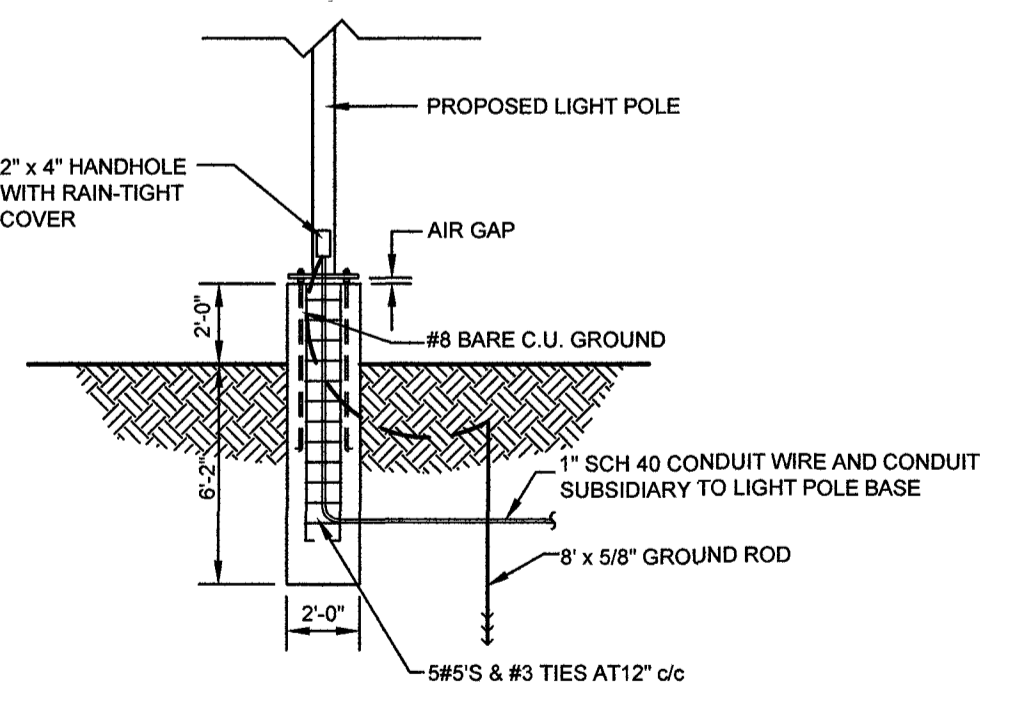
**PERMANENT PAVEMENT REPAIR**  
NOT TO SCALE  
(MARCH 2008)



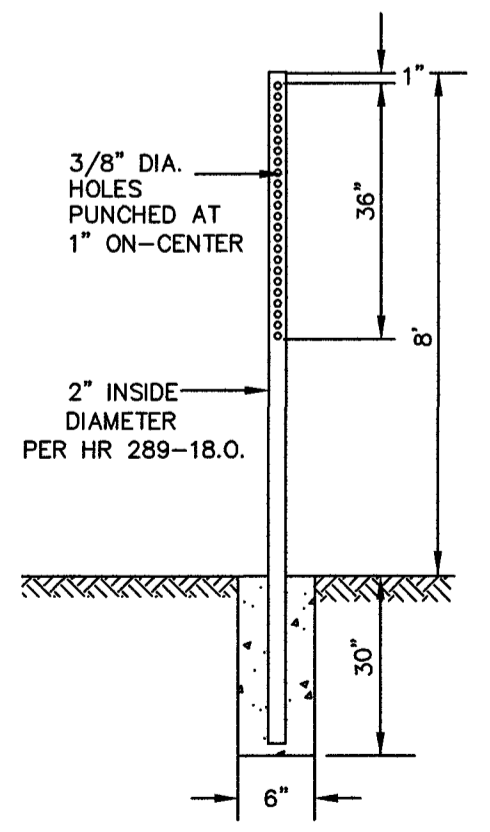
**DRIVEWAY SECTION**  
NOT TO SCALE  
(MARCH 2008)



**RAMP DETAIL AT DRIVEWAY**  
NOT TO SCALE



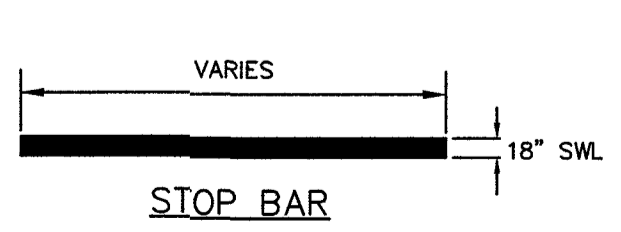
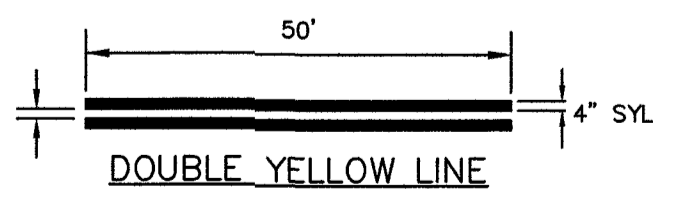
**CONCRETE LIGHT POLE BASE DETAIL**  
NOT TO SCALE  
(MARCH 2008)



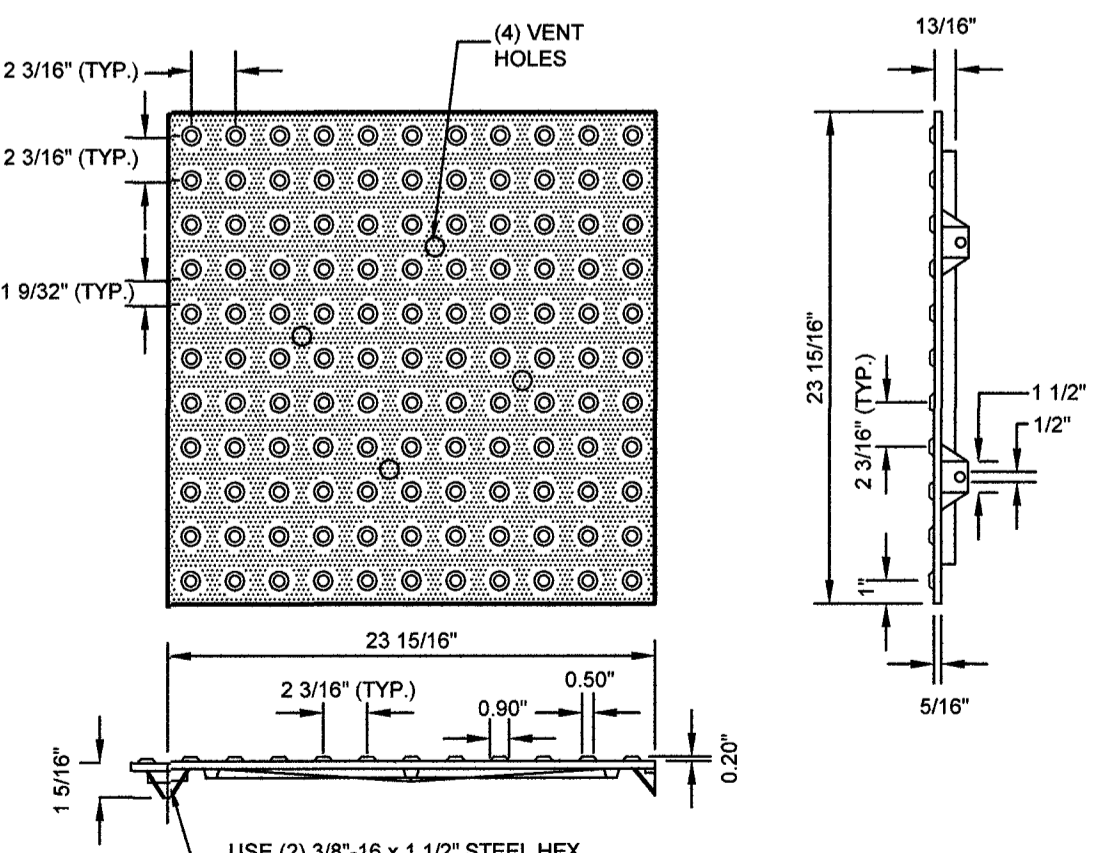
**TYPICAL SIGN POST DETAIL**  
NOT TO SCALE



**NOTES:**  
1. STREET NAME SIGNS SHALL BE METAL 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. ALL PAINT SHALL COMPLY WITH NHDOT SPECIFICATION SECTION 708.



**TYPICAL PAVEMENT MARKING DETAIL**  
NOT TO SCALE



**NOTES:**  
1. DETECTABLE WARNING PLATE SHALL BE NEEHAH FOUNDRY OR APPROVED EQUAL.  
2. THE PLATE MUST COMPLY WITH ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES) AND ARCHITECTURAL BARRIER ACT GUIDELINES.  
3. MATERIAL SHALL BE CAST GRAY IRON.  
4. FINISH: NO PAINT.

**24\"/>**

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_  
\_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
\_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

**CONSTRUCTION DETAILS**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

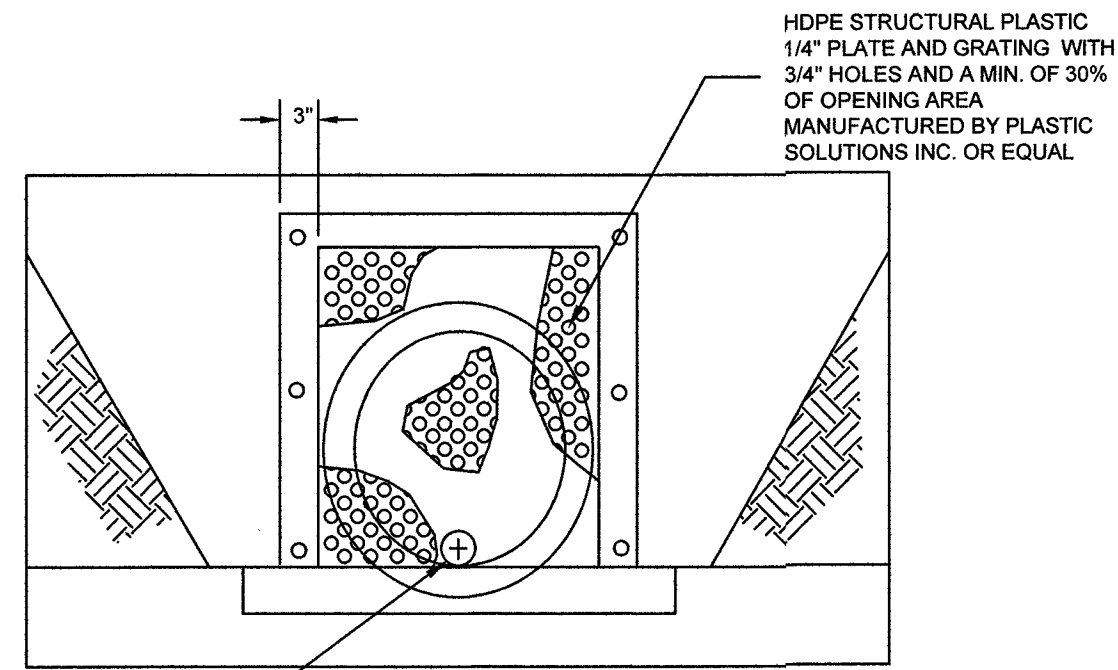
**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

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

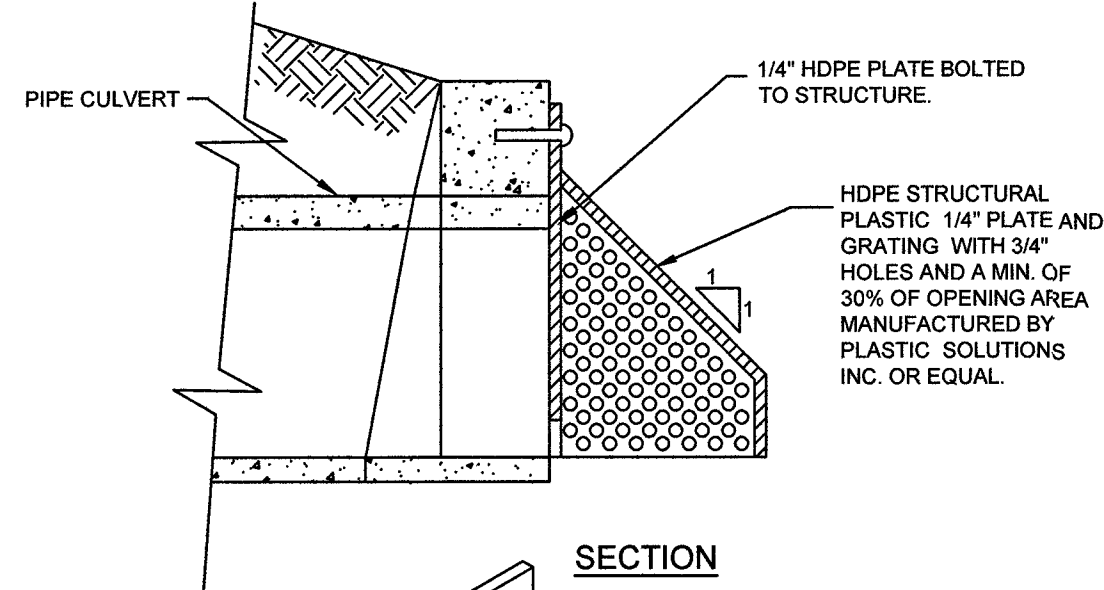
**PAUL CHISHOLM**  
No. 15078  
LICENSED PROFESSIONAL ENGINEER

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

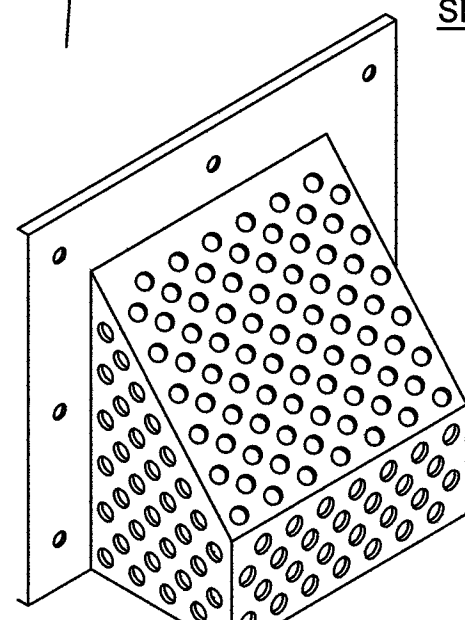
DATE: DECEMBER 6, 2023 SCALE: AS SHOWN  
PROJECT NO: 23-0414-1 SHEET: 16 OF 24



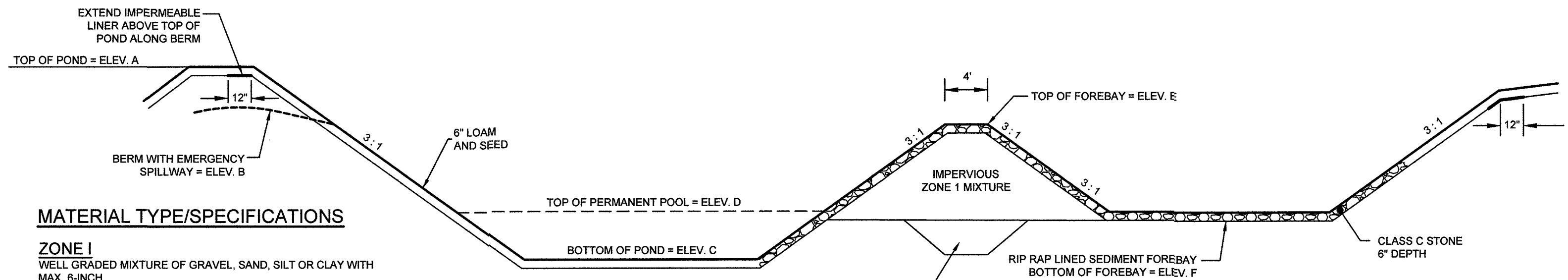
**ELEVATION**  
**TRASH RACK DETAIL**  
NOT TO SCALE



**SECTION**



**ISOMETRIC**



**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.

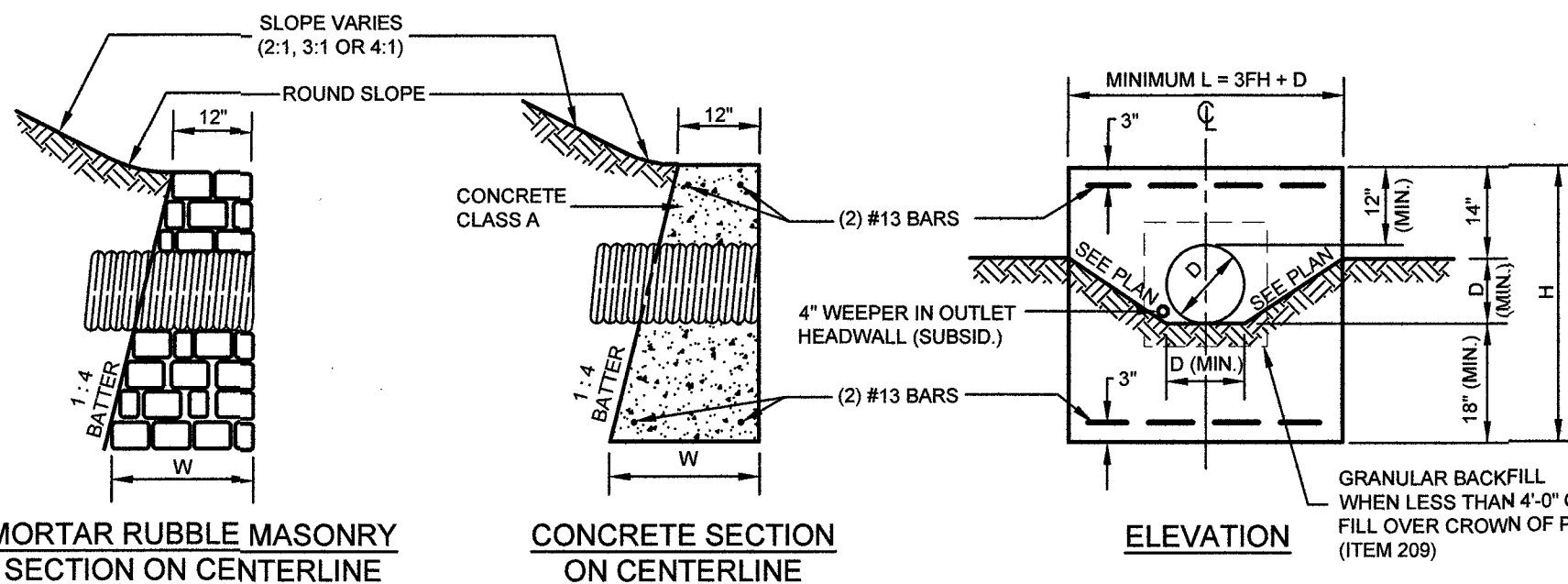
SIEVE SIZE	PERCENT BY WEIGHT PASSING
6-INCH	100
NO. 4	50 TO 100
NO. 40	30 TO 70
NO. 200	20 TO 40

ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	ELEV. F
374.00	373.90	363.00	366.00	371.00	369.00

**TYPICAL POCKET POND SECTION**  
NOT TO SCALE

**MAINTENANCE REQUIREMENTS:**

- SEDIMENT FOREBAY:**
- 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.
- POCKET POND:**
- THE BOTTOMS, INTERIOR AND EXTERIOR SIDE SLOPES AND CREST OF EARTHEN DETENTION BASINS SHOULD BE MOVED, 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 MOVED 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.



**MORTAR RUBBLE MASONRY SECTION ON CENTERLINE**

**CONCRETE SECTION ON CENTERLINE**

**ELEVATION**

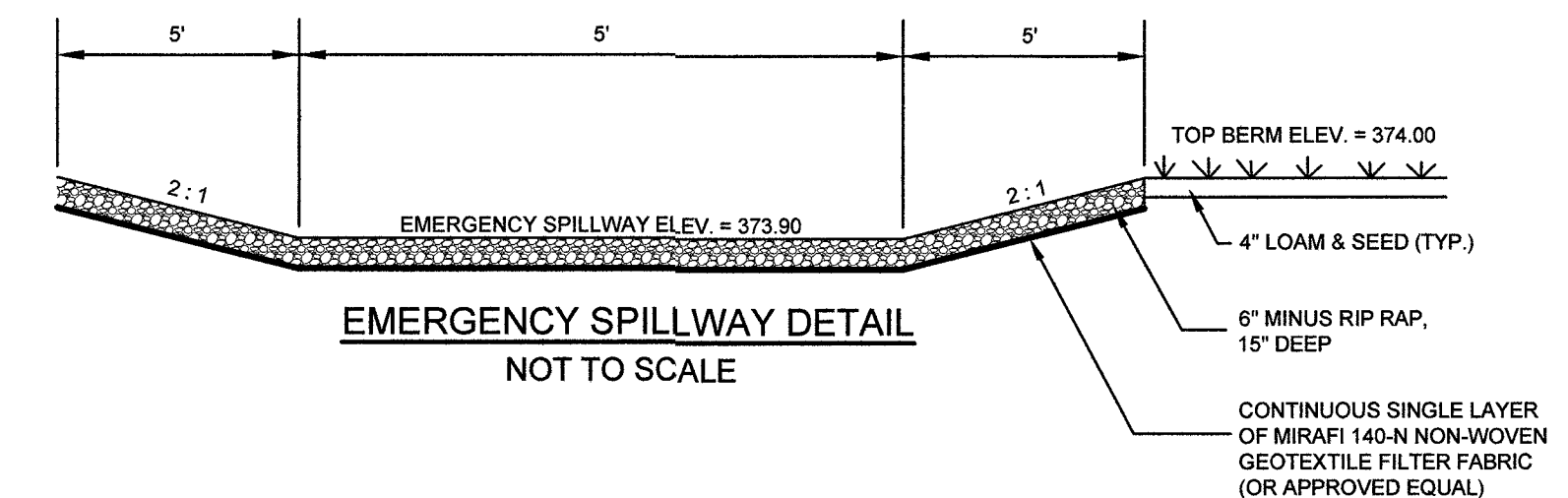
**NOTE:**  
DIMENSIONS SHOWN ARE TO PAYMENT LINES. MORTAR RUBBLE MASONRY TO BE STEPPED OUTSIDE PAYMENT LINES ON SLOPING FACES.

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 (CU. YD.)	HEADER EXC. PER HEADER (CU. YD.)	ITEM 209 PER LINEAR FOOT	HEADER LENGTH L	HEADER HEIGHT H	FILL HEIGHT FH	WIDTH AT BOTTOM OF HEADER W	1" HEADWALL	
														MASONRY IN CORNER FRUSTRUM (CU. YD.)	HEADER EXC. PER HEADER 1' DEPTH (CU. YD.)
12"	0.79	0.198	1.08	0.61	9	3'-2"	0.111	0.789	0.30	3'-6"	3'-6"	10"	1'-10 1/2"	0.28	1.087
15"	1.23	0.202	1.73	0.85	11	3'-10"	0.120	0.947	0.35	4'-6"	3'-9"	11"	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	1.408
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"	4.91	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	2.184

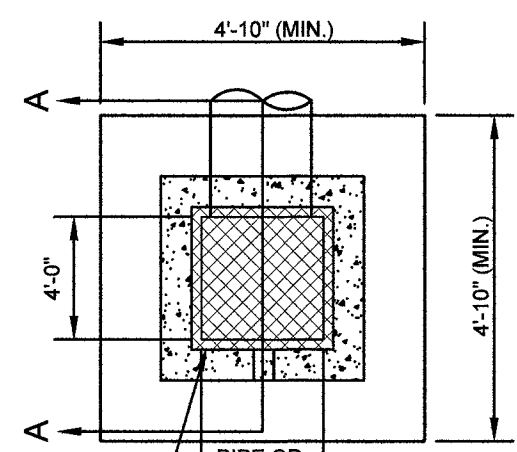
**NOTE:** STEEL QUANTITIES ARE FOR CONCRETE HEADWALLS ONLY.

**MORTAR RUBBLE MASONRY AND CONCRETE HEADWALLS**

NOT TO SCALE  
(MARCH 2008)

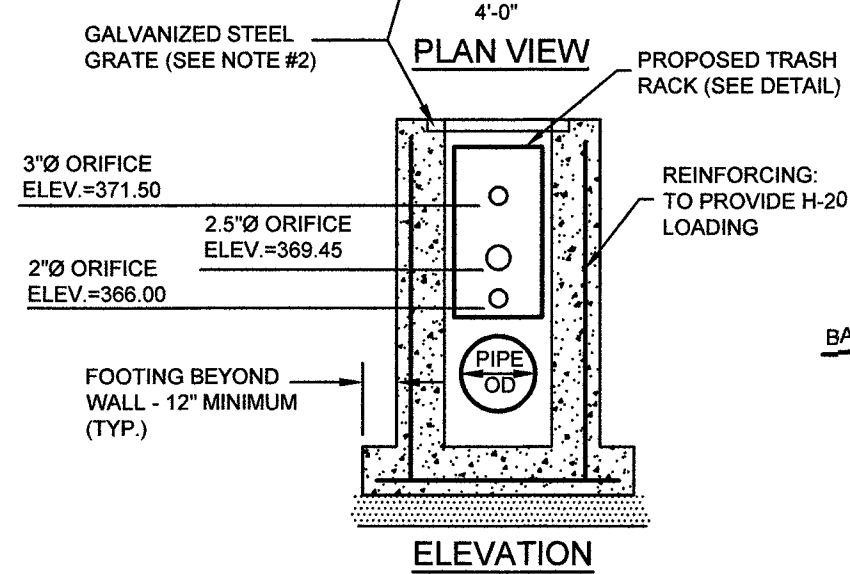


**EMERGENCY SPILLWAY DETAIL**  
NOT TO SCALE

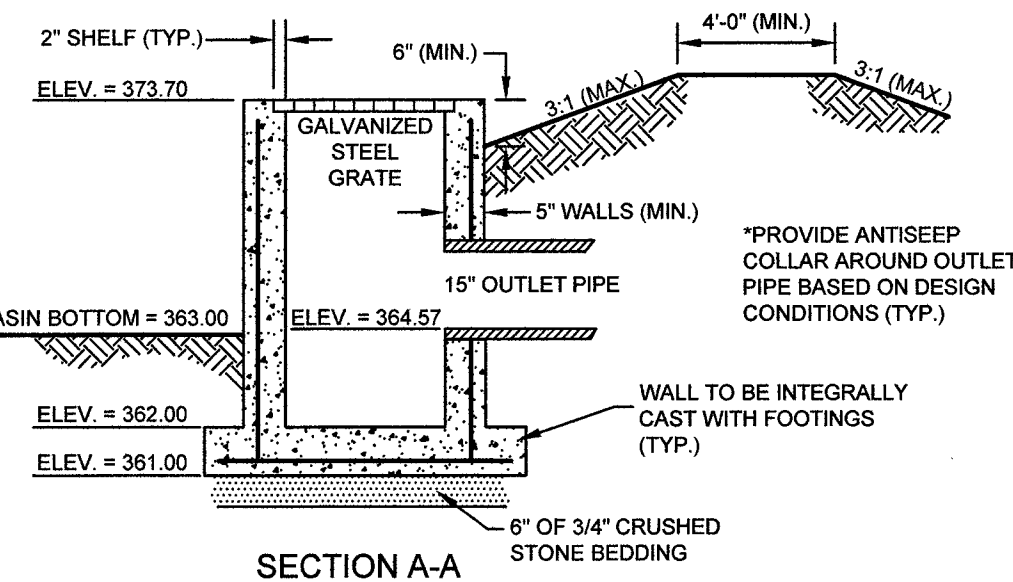


**NOTES**

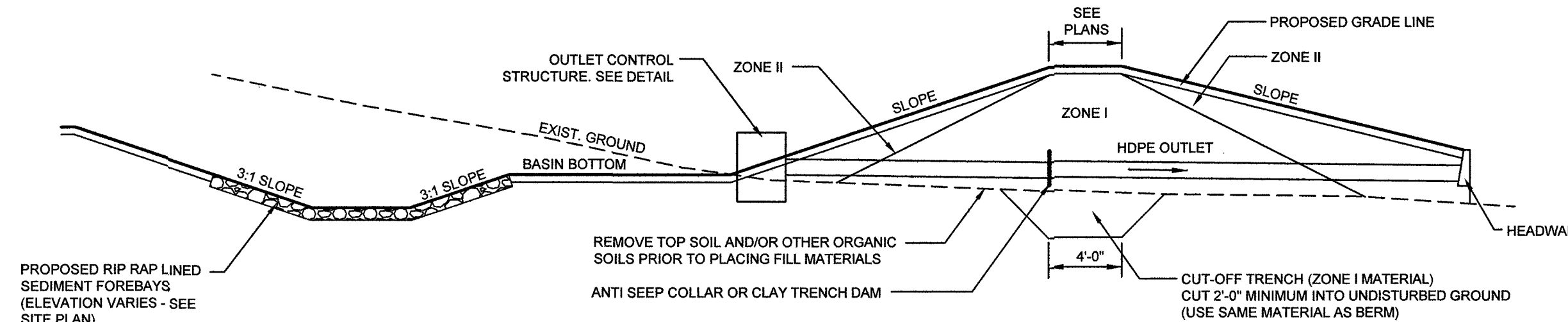
- ALL CEMENT CONCRETE TO BE 4,000 PSI MINIMUM.
- GALVANIZED STEEL GRATE SHALL BE BOLTED TO TOP OF STRUCTURE.
- ALL OPENINGS CAST IN AS REQUIRED.
- PRECAST REINFORCED CONCRETE STRUCTURE TO MEET ASTM C-478 DESIGNATION AND H-20 LOADING.



**OUTLET STRUCTURE #20**  
NOT TO SCALE



**SECTION A-A**



**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 SEEDDED 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, SEEDDED 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. 40	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.

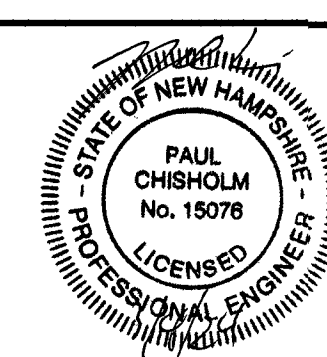
SIEVE SIZE	PERCENT BY WEIGHT PASSING
1-INCH	100
NO. 4	70 TO 100
NO. 200	0-12 (IN SAND PORTION ONLY)

**POCKET POND EMBANKMENT DETAIL**

**CONSTRUCTION DETAILS**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: AS SHOWN  
PROJECT NO: 23-0414-1 SHEET: 17 OF 24

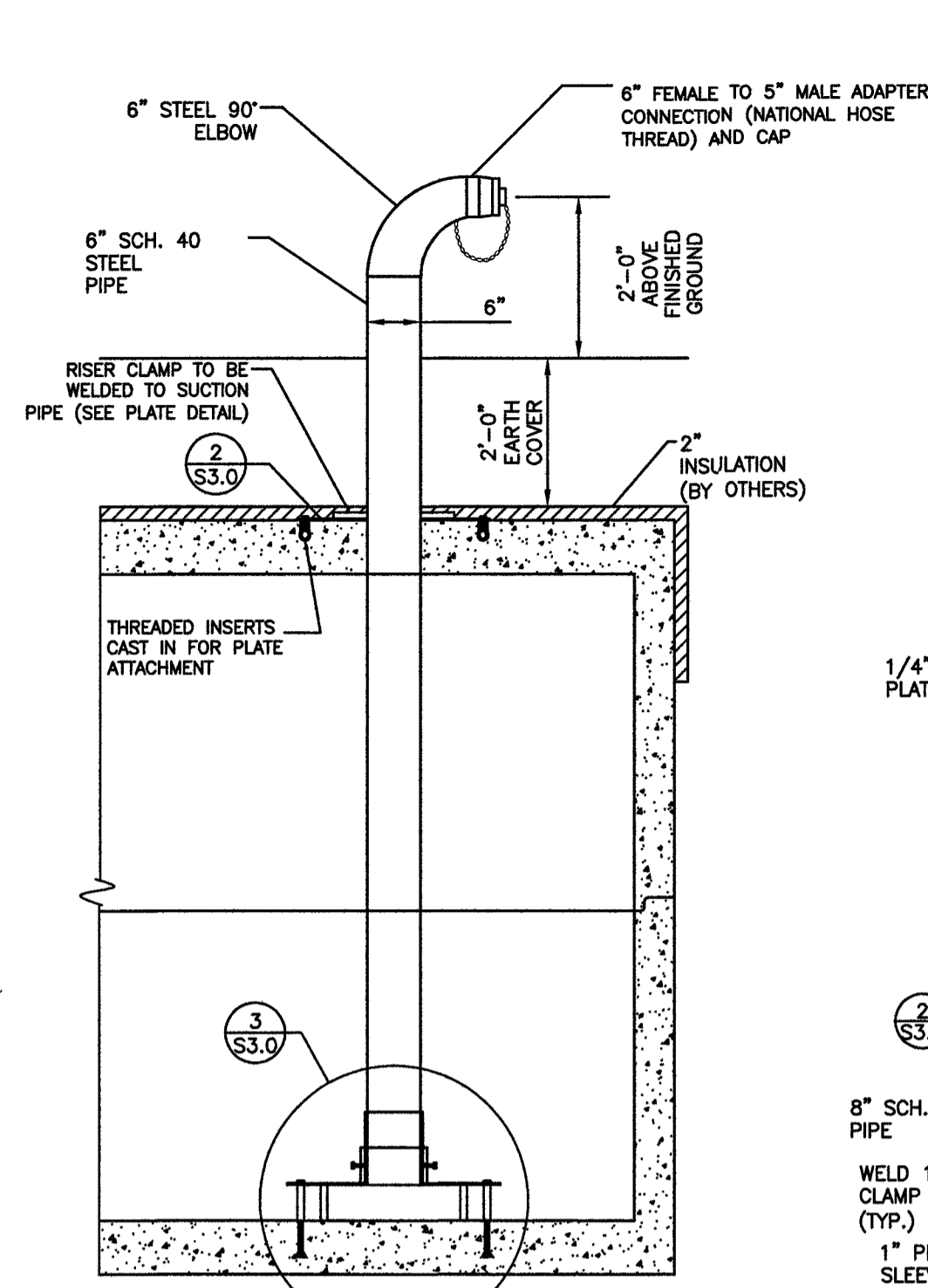
APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

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

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

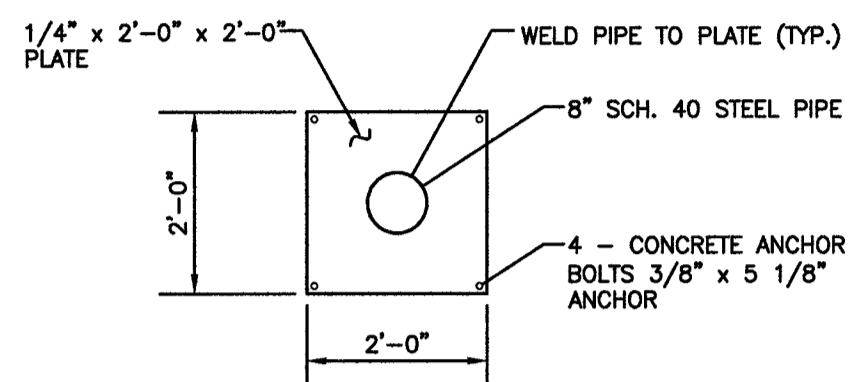
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



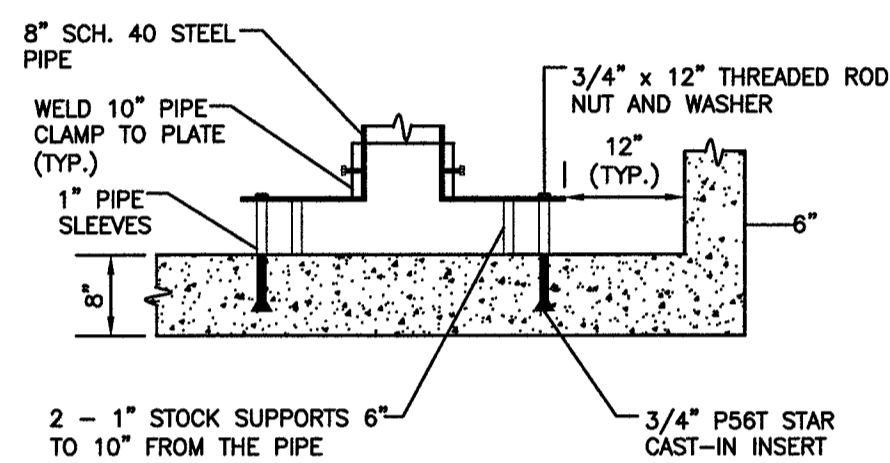


**NOTE:**  
 8" VERTICAL SUCTION PIPE TERMINATING WITH AN 8" x 6" 90° THREADED REDUCING ELBOW AND A 6" NST OR 4 1/2" NST NOZZLE AND CAP. THE SUCTION PIPE CONNECTION SHOULD BE 24" ABOVE THE LEVEL OF THE ROAD OR SHOULDER WHERE THE VEHICLE WHEELS WILL BE LOCATED WHEN CISTERN IS IN USE.

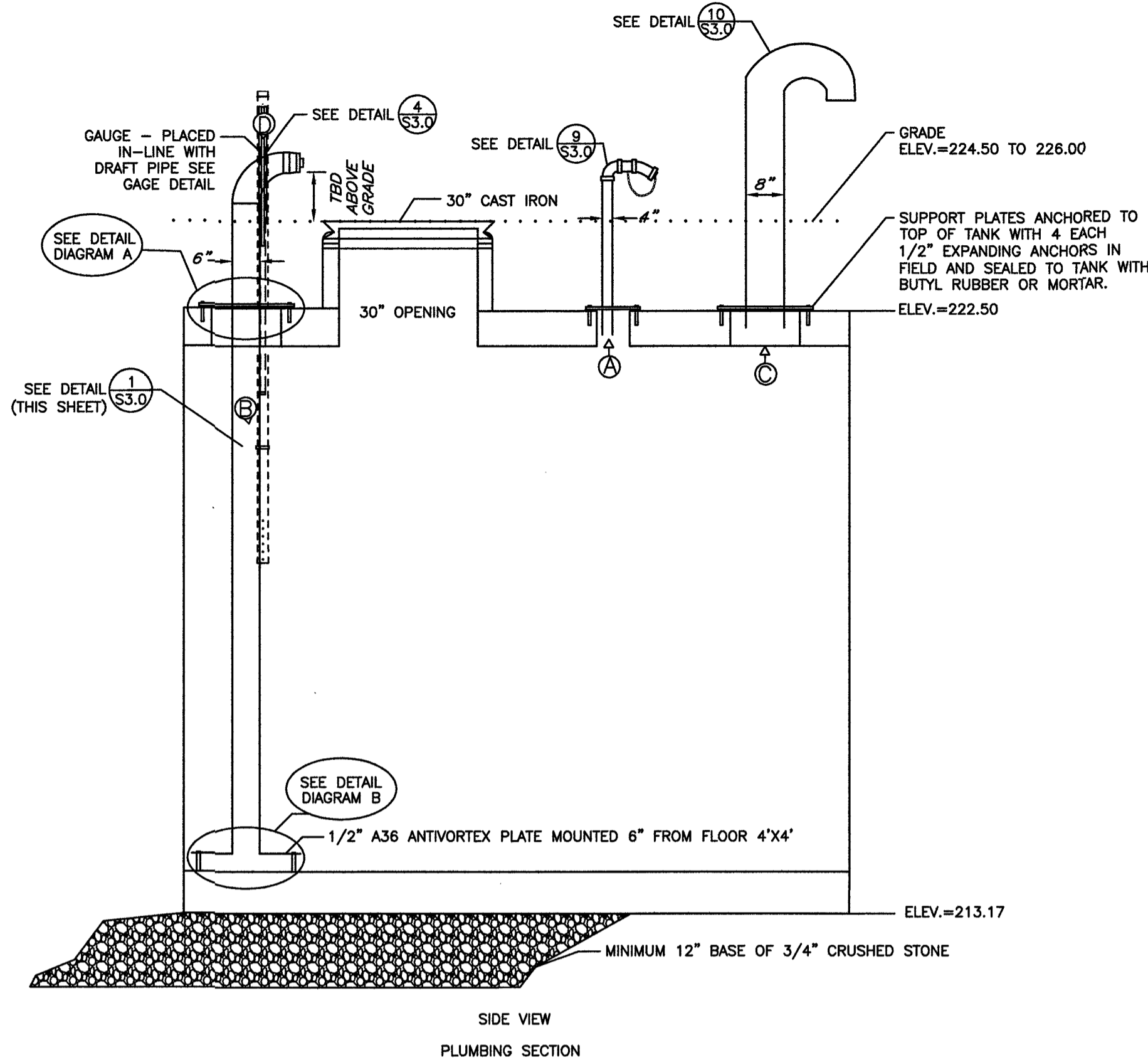
1 SUCTION ASSEMBLY DETAIL  
 53.0 NOT TO SCALE



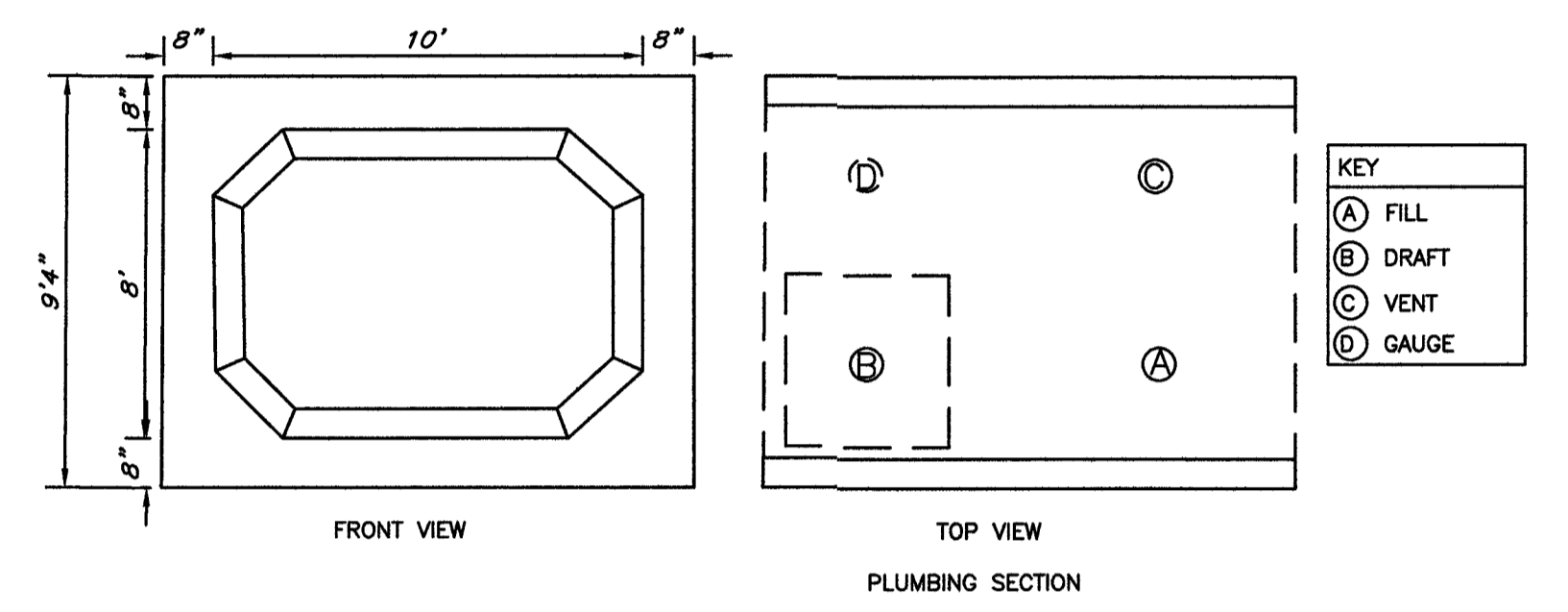
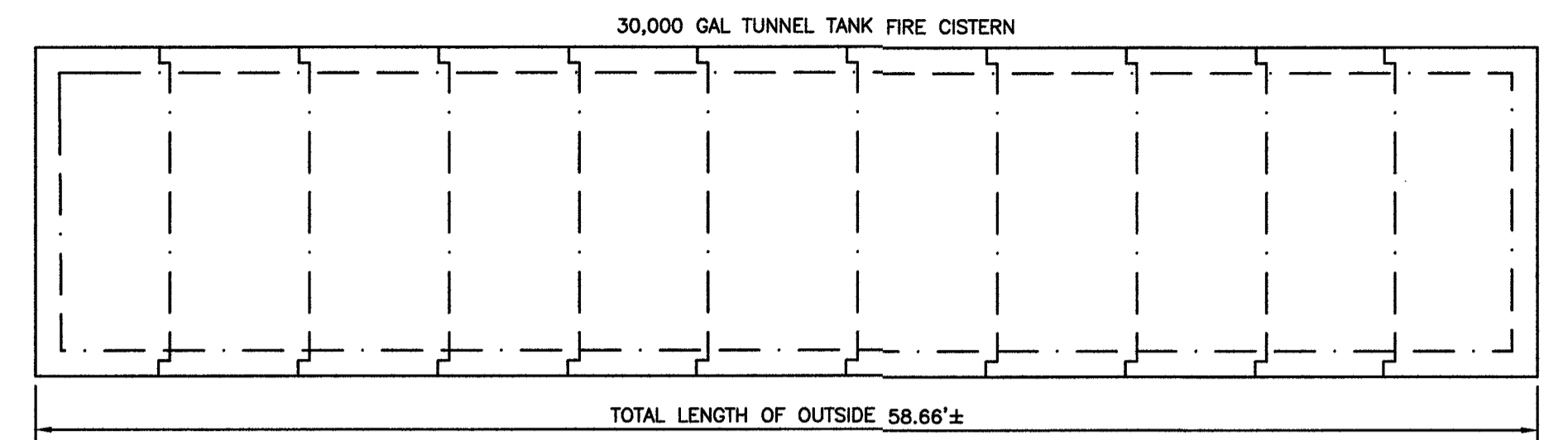
2 RISER CLAMP DETAIL  
 53.0 NOT TO SCALE



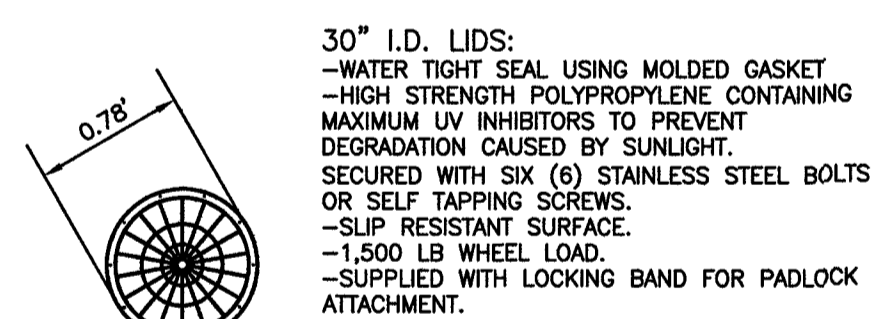
3 ANTI VORTEX PLATE DETAIL  
 53.0 NOT TO SCALE



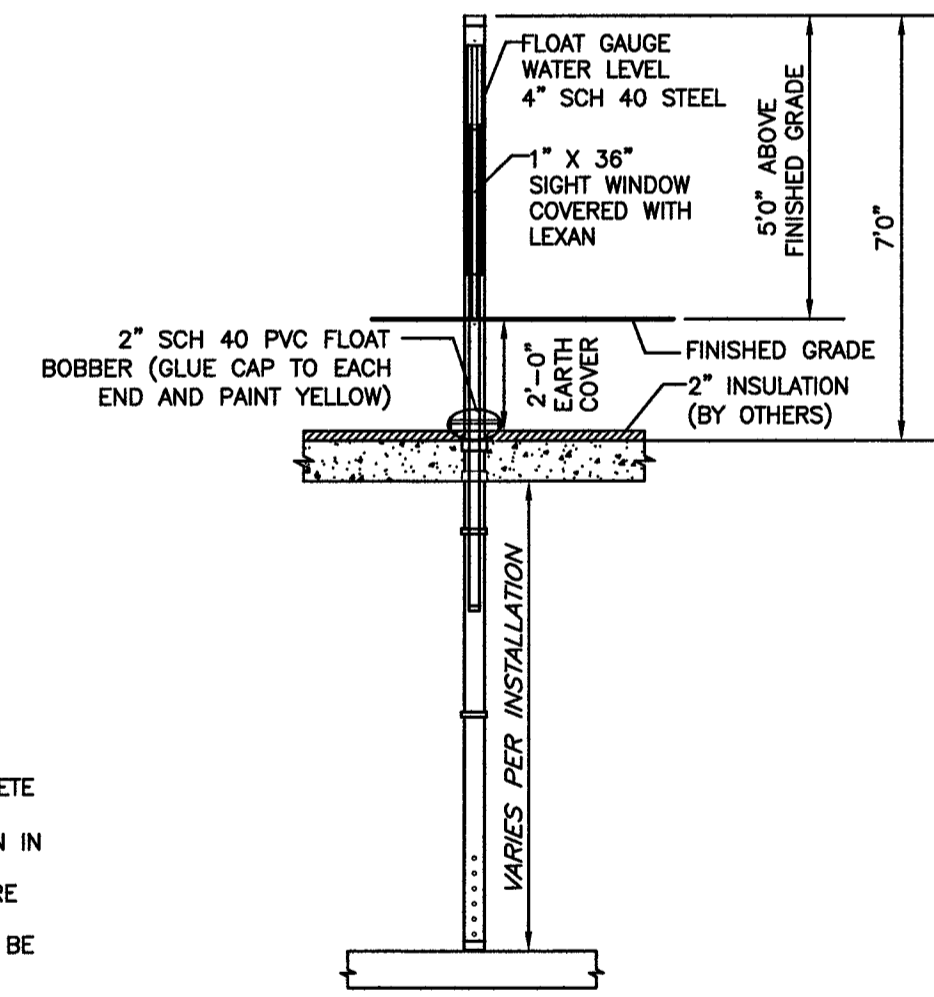
SIDE VIEW  
 PLUMBING SECTION



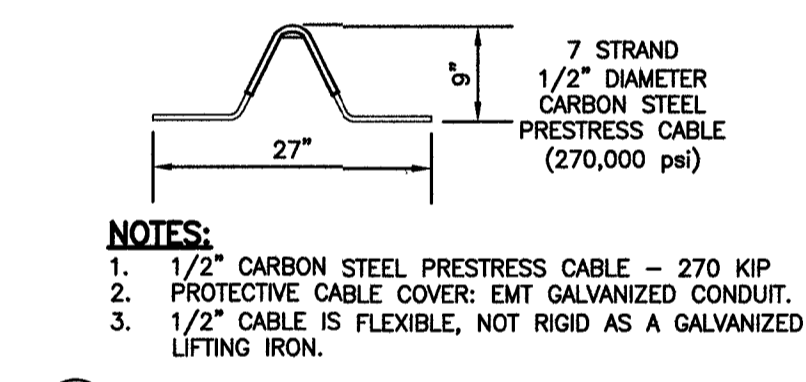
FRONT VIEW  
 TOP VIEW  
 PLUMBING SECTION



8 EZ SET TANK RISER DETAIL  
 53.0 NOT TO SCALE



4 WATER LEVEL FLOAT INDICATOR DETAIL  
 53.0 NOT TO SCALE

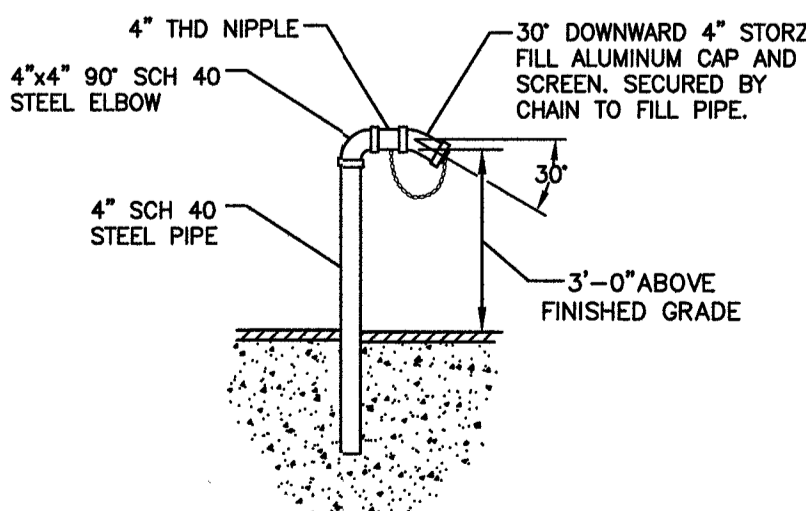


5 UPI CABLE LIFTING IRON - TOP SLABS ONLY  
 53.0 NOT TO SCALE

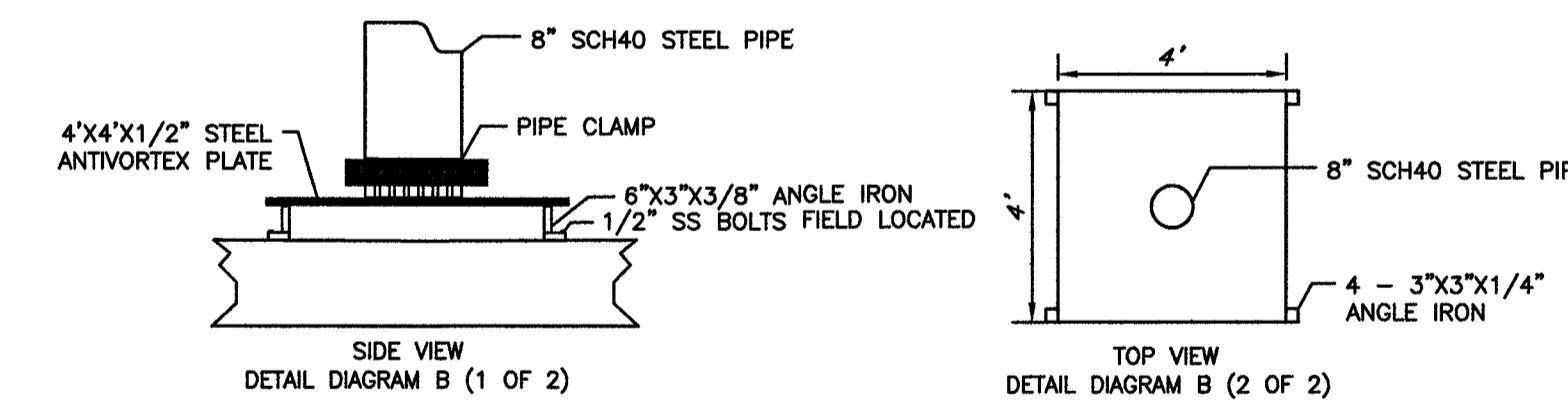
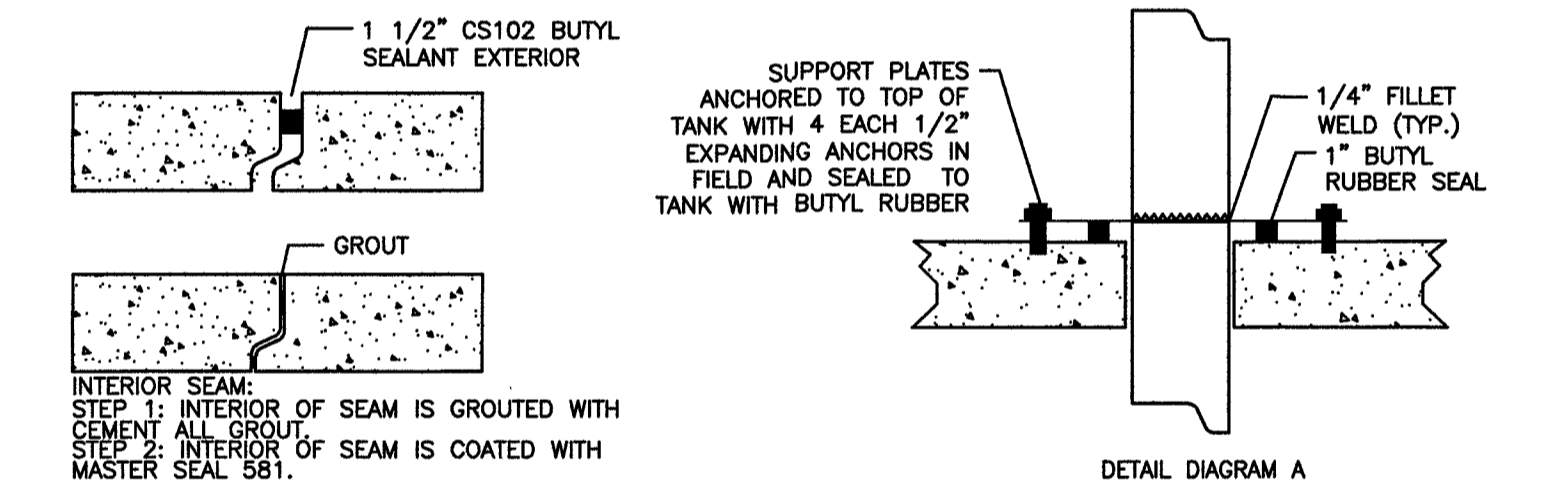
Product Code	SLAB Min.	90° SWL AT	SWL AT	Edge Distance
SCA14	4	3,500	5,400	24"
SCA14	5	5,500	8,500	28"
SCA18	5	6,000	9,300	30"
SCA14	6	6,500	10,100	34"
SCA18	6	7,500	11,600	38"
SCA18	8	13,000	20,000	46"

Note: Safe working load provides a factor of safety of approximately 4:1 based on a minimum concrete strength of 4,000 psi.  
 For use as Pulling Iron load maybe increased by 33% with 3 to 1 Safety Factor.

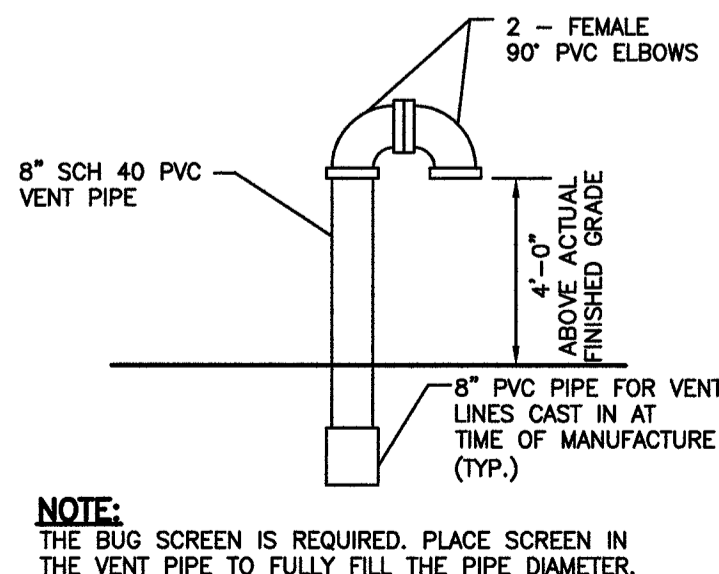
6 COMAC CORPORATION A ANCHOR - BASE SLABS ONLY  
 53.0 NOT TO SCALE



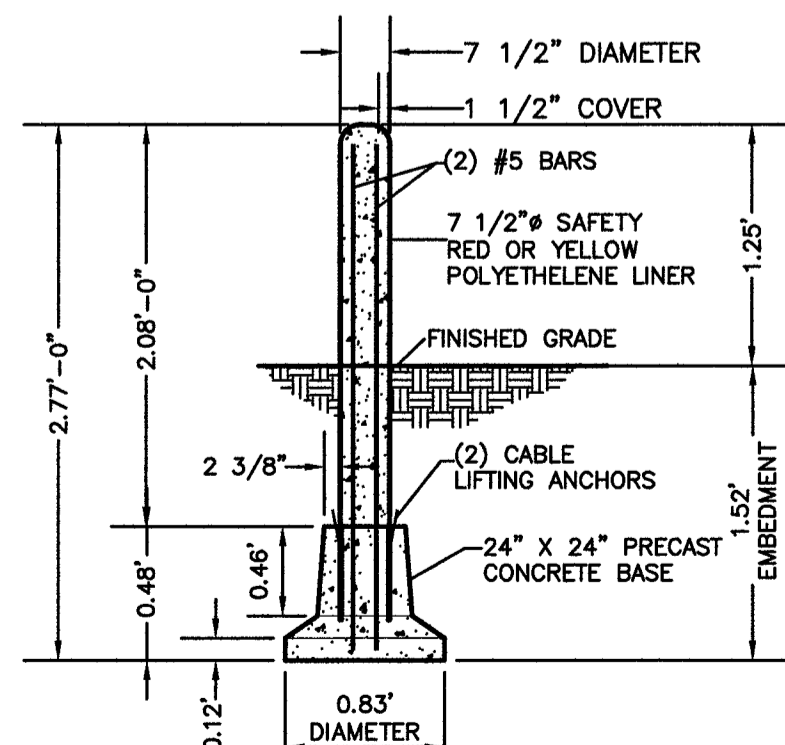
9 FILL LINE ASSEMBLY DETAIL  
 53.0 NOT TO SCALE



7 CONSEAL JOINT SEALANTS DETAIL  
 53.0 NOT TO SCALE



10 VENT PIPE ASSEMBLY DETAIL  
 53.0 NOT TO SCALE



11 TYPICAL POLY-SHEATHED PRECAST BOLLARD  
 53.0 NOT TO SCALE

**FOUNDATION & BACKFILL NOTES:**

- FOUNDATION MATERIAL SHALL BE 3/4" CRUSHED STONE, MINIMUM 12" THICK.
- 1 1/2" BANK RUN GRAVEL SHALL BE USED FOR BACKFILL OPERATIONS SURROUNDING TANK. BACKFILL SHALL BE PLACED IN MAXIMUM 12" LOOSE LIFTS. IT SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY BY MODIFIED PROCTOR METHOD (ASTM 1557). ALL COMPACTION SHALL BE DONE WITH HAND-OPERATED COMPACTION EQUIPMENT.
- TANK EXCAVATION SHALL BE KEPT DEWATERED THROUGHOUT INSTALLATION AND BACKFILL OPERATIONS.
- ALL AREAS BETWEEN TANKS SHALL BE FILLED TO A MINIMUM OF 12" ABOVE CROWN OF INTERCONNECTION PIPE WITH 3/4" CRUSHED STONE. 1 1/2" BANK RUN GRAVEL MAY BE USED ABOVE THIS ELEVATION, PROVIDED THAT PROPER COMPACTION AS STATED IN NOTE 2 ABOVE CAN BE ACHIEVED.
- ALL BACKFILL MATERIAL BETWEEN TANKS SHALL BE PLACED IN 12" LIFTS AT THE SAME TIME AS THE MATERIAL SURROUND THE TANKS.

**CONSTRUCTION DETAILS**  
**BARRETT HILL SUBDIVISION**  
 MAP 151 LOT 59  
 75 BARRETT'S HILL ROAD  
 HUDSON, NEW HAMPSHIRE  
 HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
 BARRETT HILL, LLC  
 21 CONTINENTAL BLVD. DOOR #4  
 MERRIMACK, NH 03054  
 H.C.R.D. BK. 9700 PG. 287

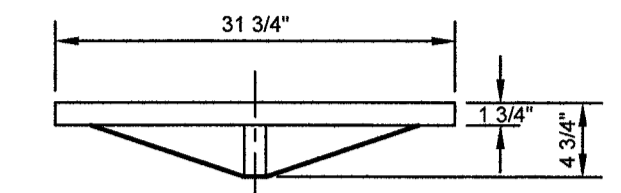
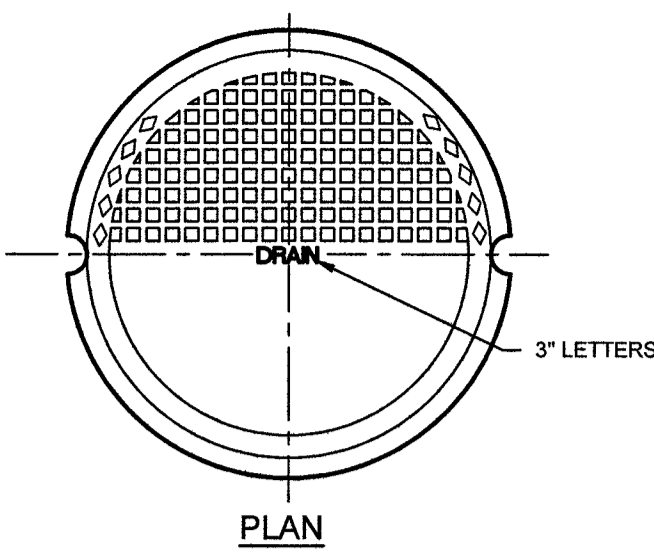
**KMA KEACH-NORDSTROM ASSOCIATES, INC.**  
 Civil Engineering Land Surveying Landscape Architecture  
 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

REVISIONS			
No.	DATE	DESCRIPTION	BY
1	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: AS SHOWN  
 PROJECT NO: 23-0414-1 SHEET: 18 OF 24

APPROVED BY THE HUDSON, NH PLANNING BOARD  
 DATE OF MEETING: \_\_\_\_\_  
 SIGNATURE DATE: \_\_\_\_\_  
 SIGNATURE DATE: \_\_\_\_\_  
 SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



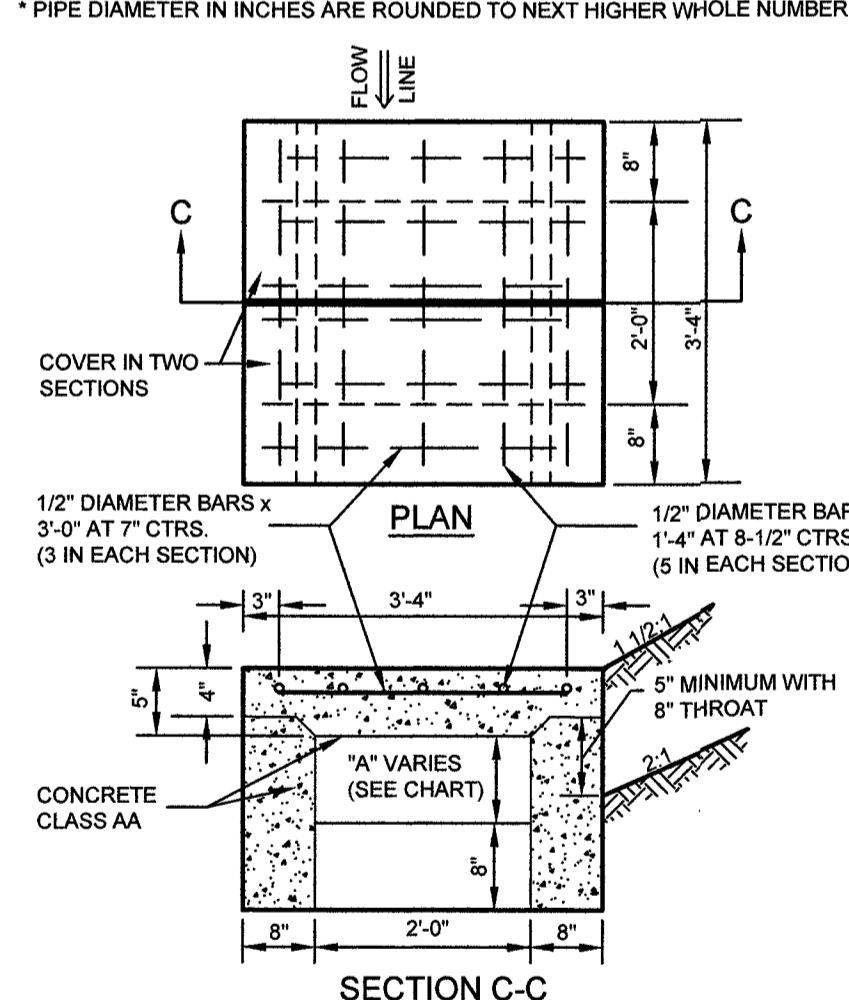


**DRAIN MANHOLE FRAME AND COVER DETAIL**  
NOT TO SCALE  
(MARCH 2008)

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

PIPE DIAMETER (MILLIMETERS)	THROAT DEPTH "A" (MILLIMETERS)	
	ONE THROAT	TWO THROAT
300 (12")	200 (8")	200 (8")
350 (14")	200 (8")	200 (8")
375 (15")	200 (8")	200 (8")
400 (16")	225 (9")	200 (8")
450 (18")	400 (16")	200 (8")
500 (20")	400 (16")	225 (9")
600 (24")	450 (18")	400 (16")

\* PIPE DIAMETER IN INCHES ARE ROUNDED TO NEXT HIGHER WHOLE NUMBER



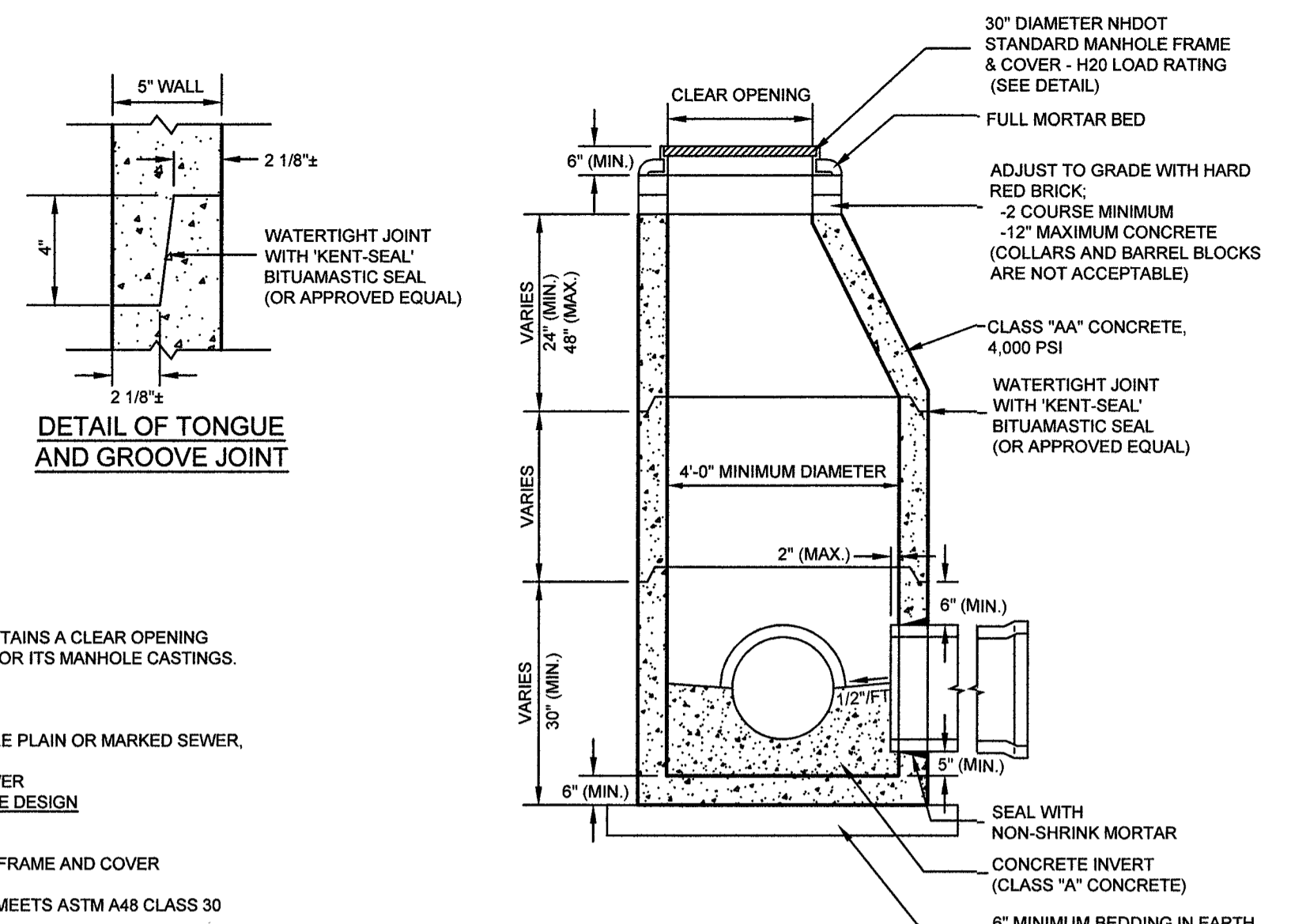
**TYPE C DROP INLET**  
NOT TO SCALE  
(MARCH 2008)

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

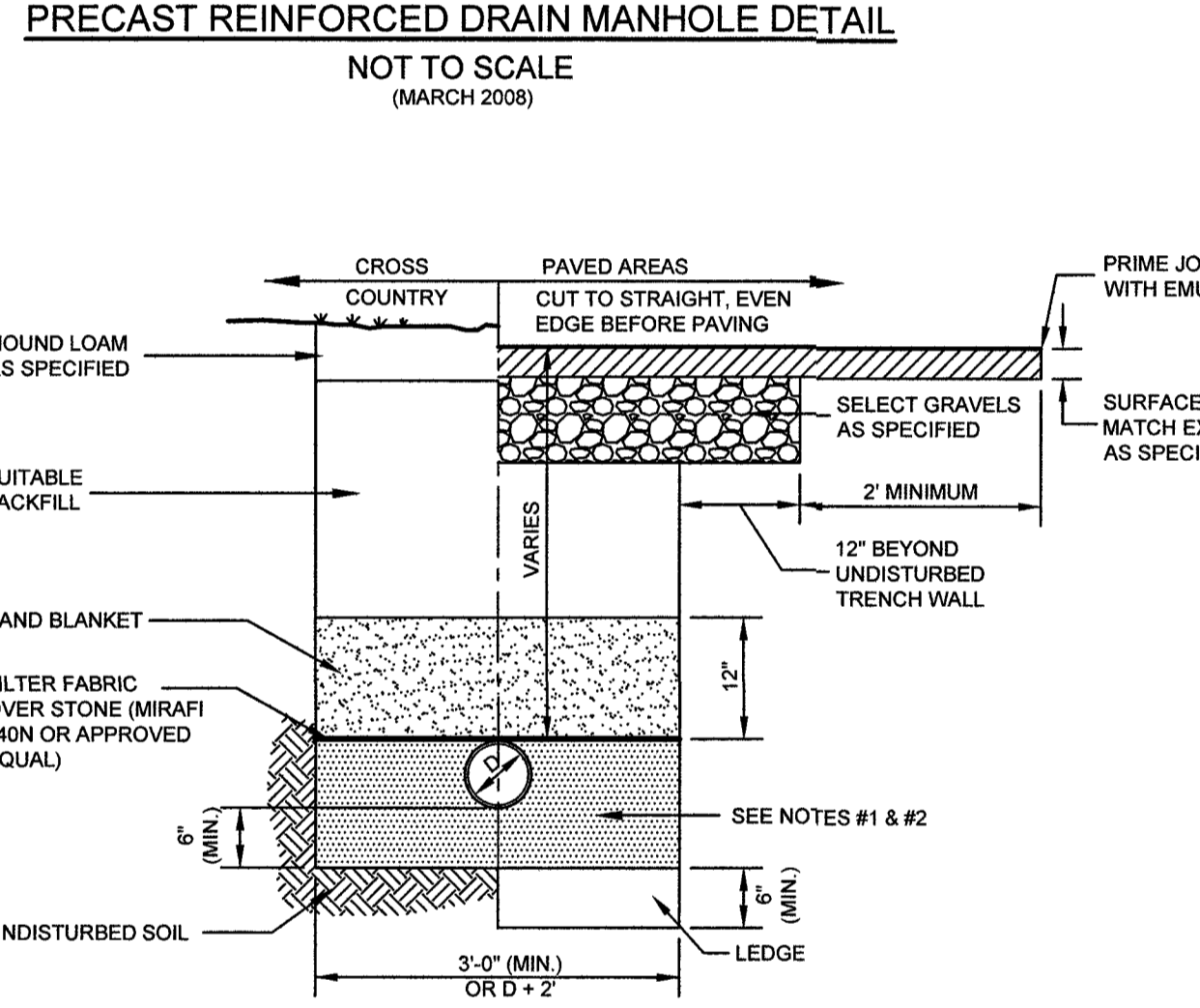
\_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_

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

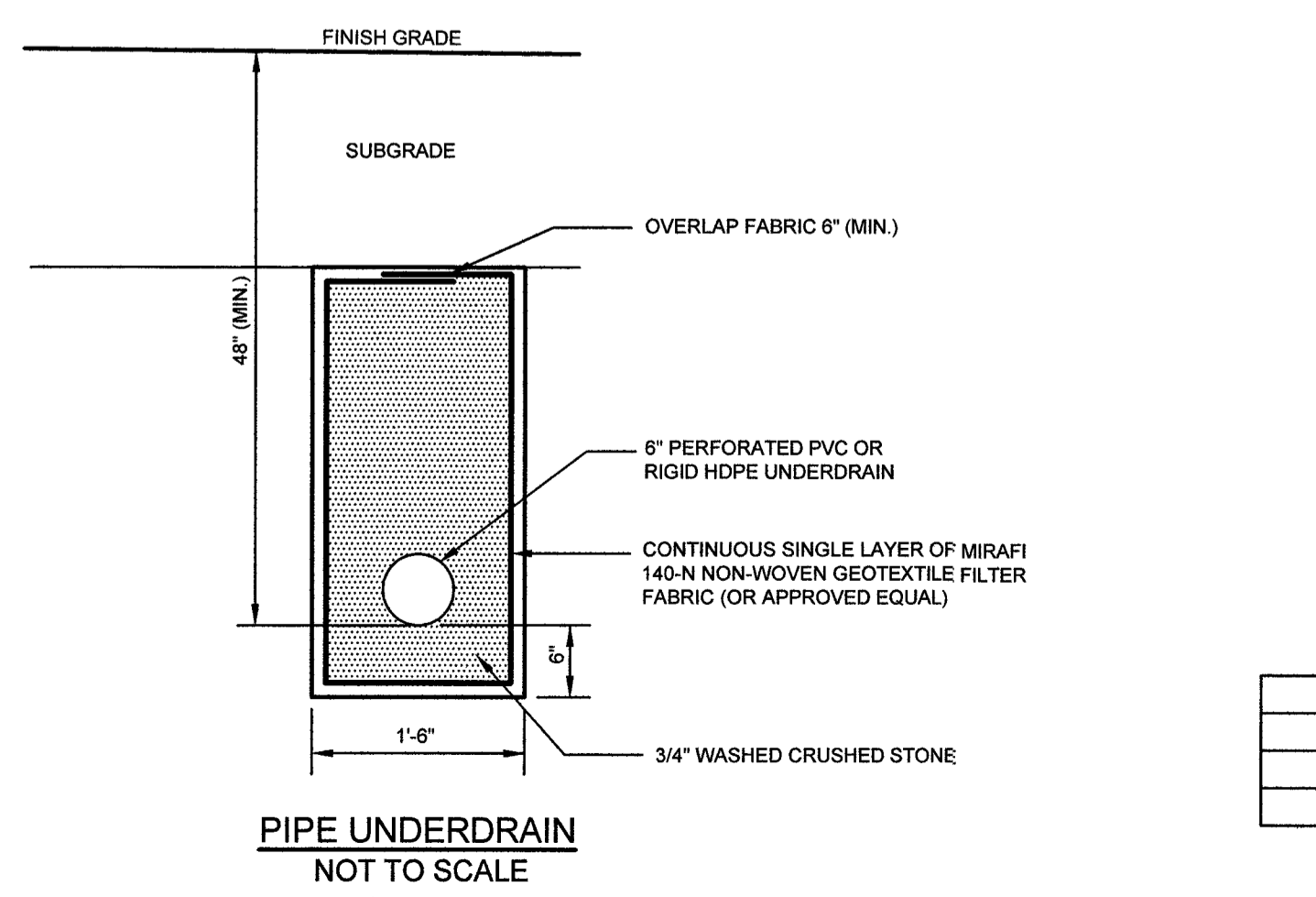
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL FOR AN APPLICANT TO OBTAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.



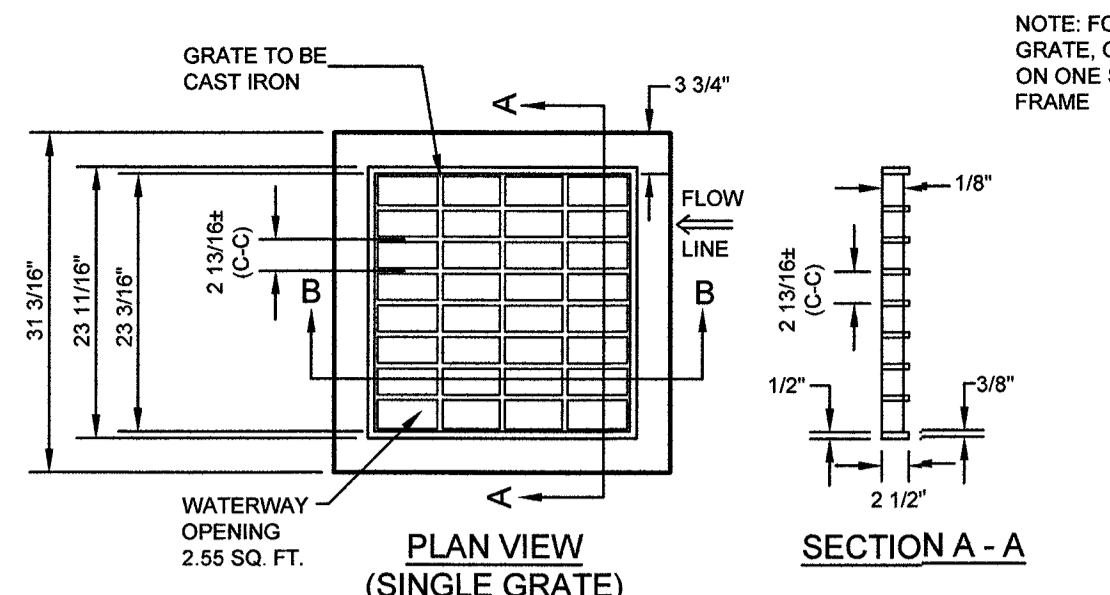
**PRECAST REINFORCED DRAIN MANHOLE DETAIL**  
NOT TO SCALE  
(MARCH 2008)



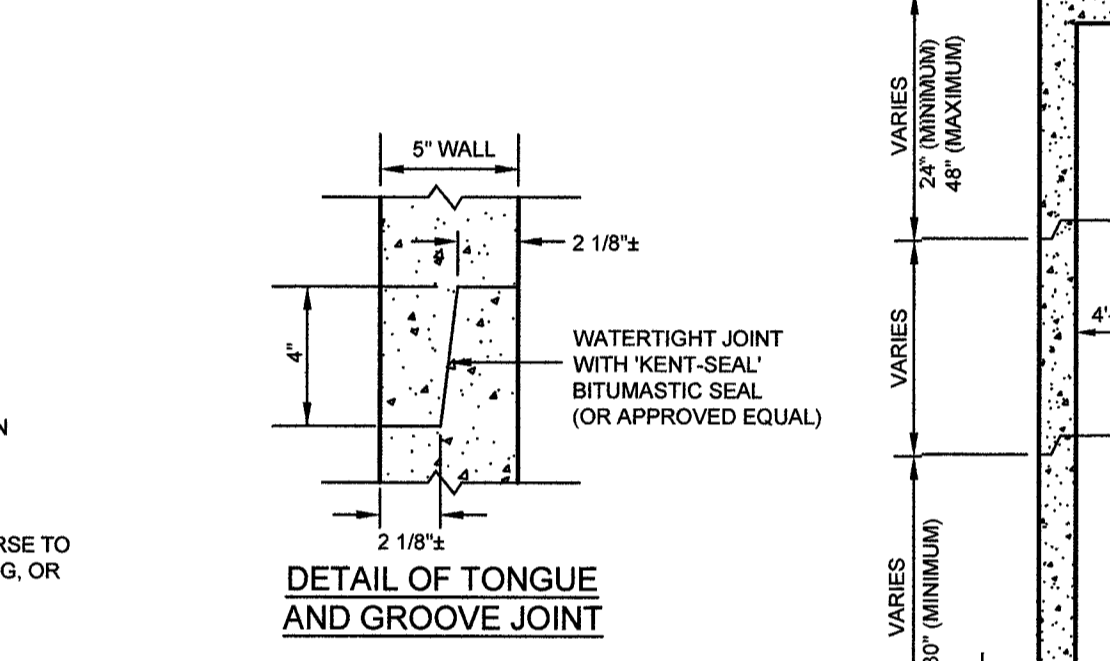
**STORM DRAIN TRENCH DETAIL**  
NOT TO SCALE  
(MARCH 2008)



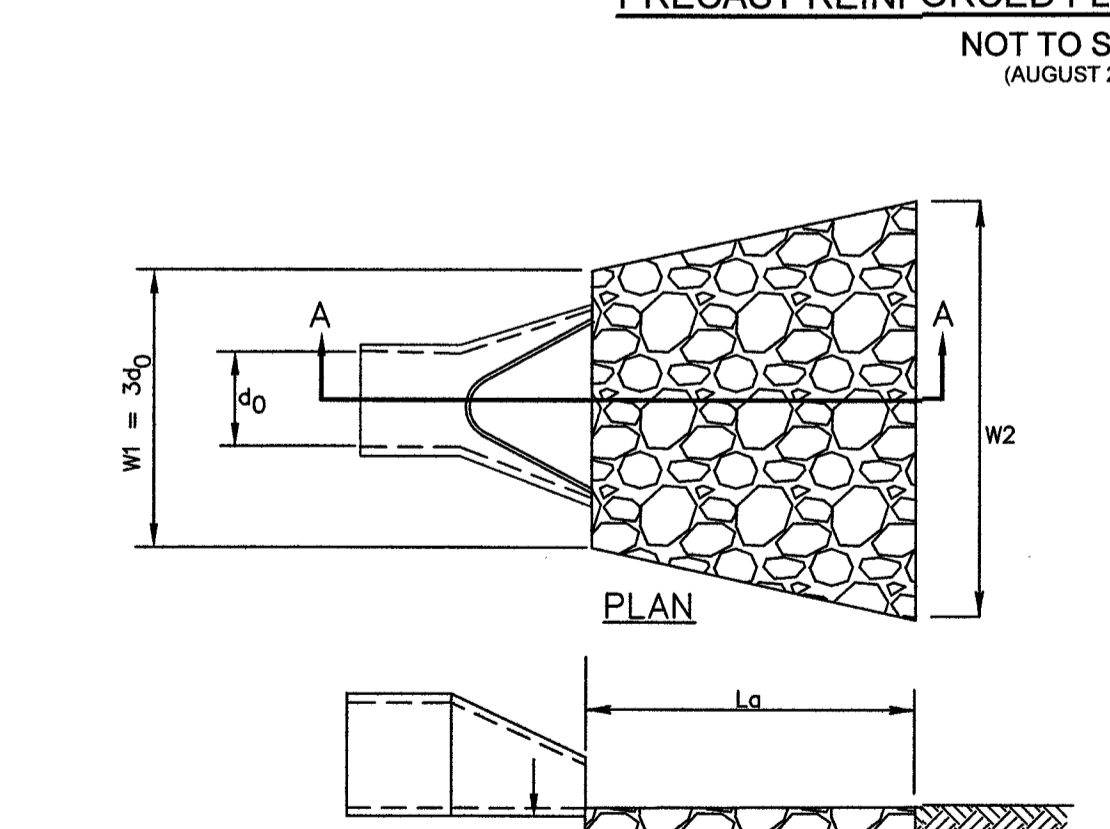
**PIPE UNDERDRAIN**  
NOT TO SCALE  
(MARCH 2008)



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

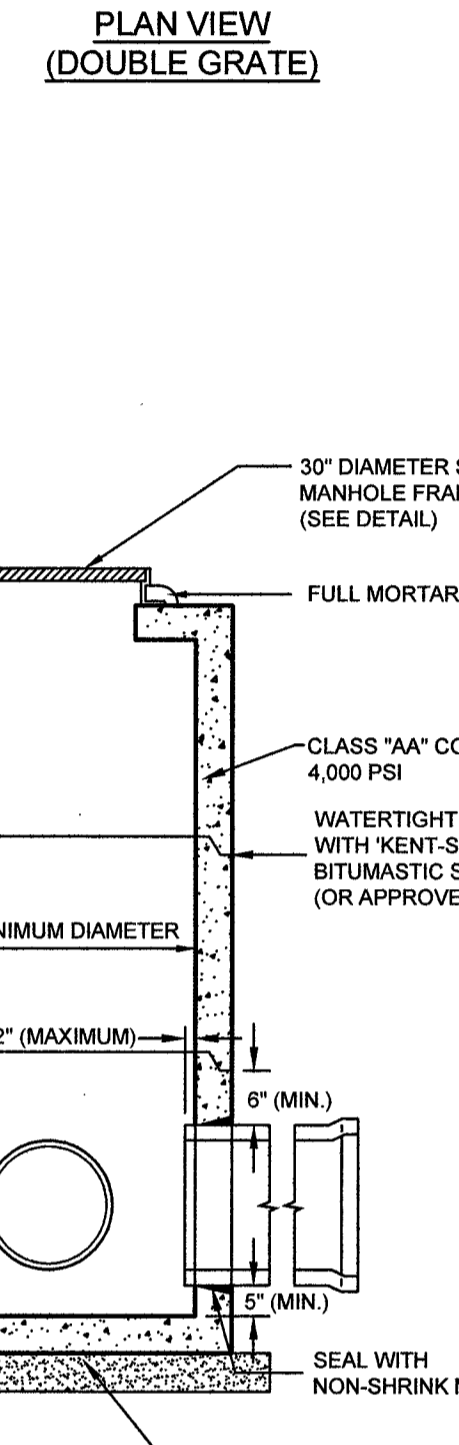
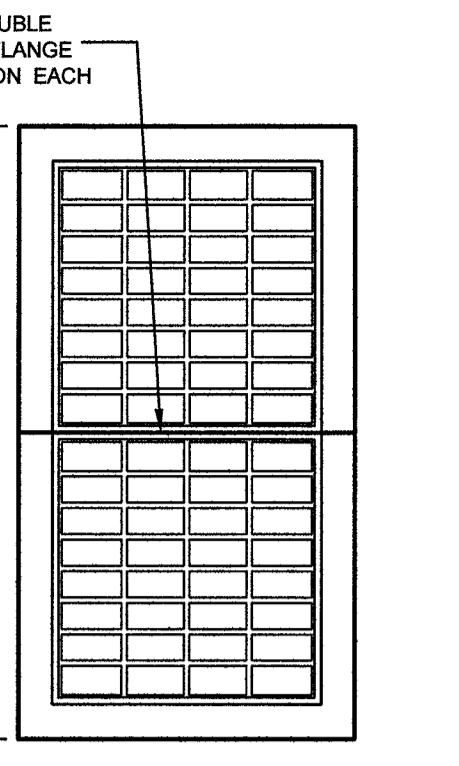


**DETAIL OF TONGUE AND GROOVE JOINT**



**PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL**  
NOT TO SCALE

LOCATION	L <sub>a</sub>	W <sub>1</sub>	W <sub>2</sub>	d <sub>50</sub>	DEPTH
HW#1	10'	4'	13'	4"	10"
HW#4	24'	5'	14'	4"	10"
HW#13	16'	5'	21'	4"	10"



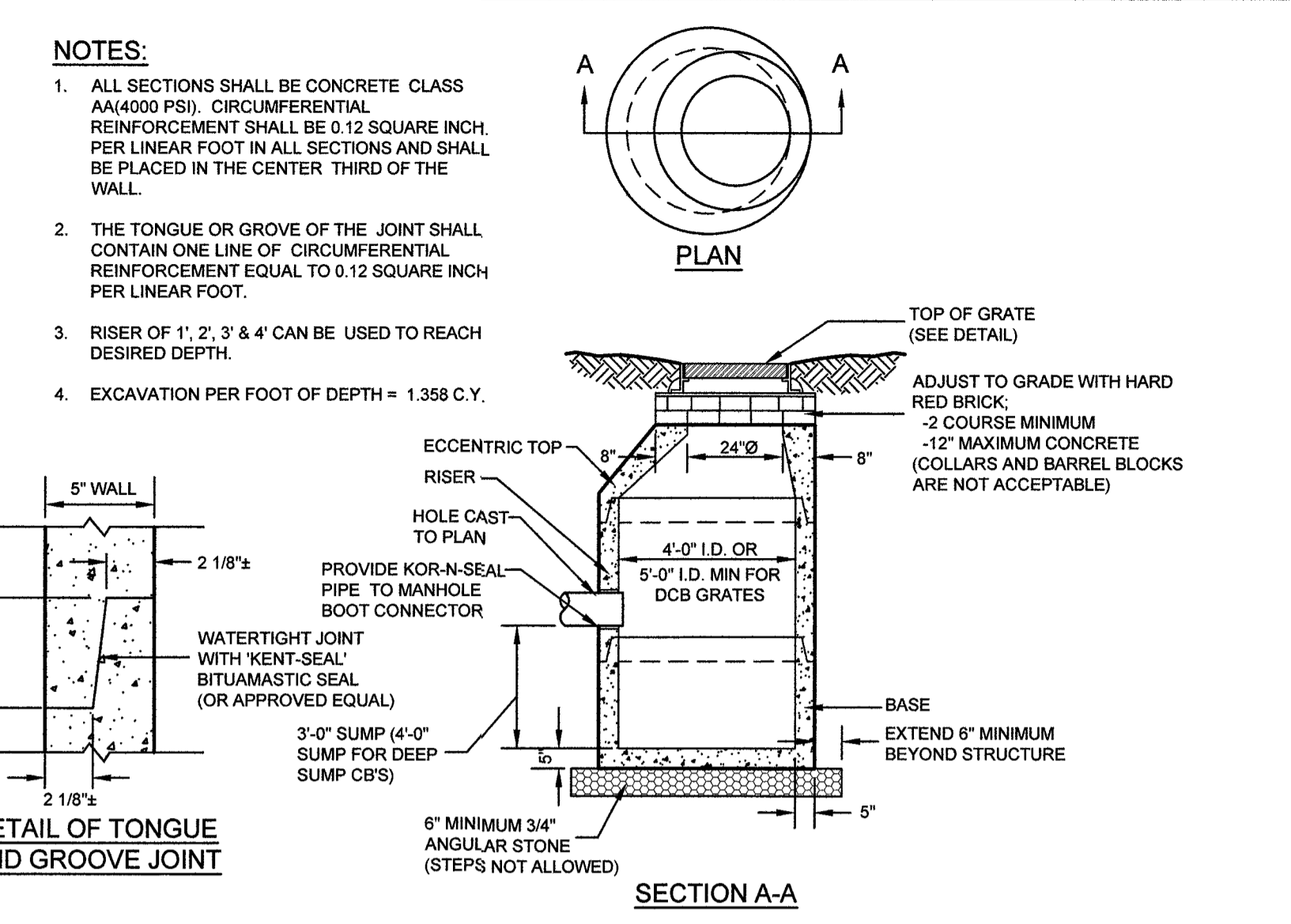
**PRECAST REINFORCED FLAT TOP DRAIN MANHOLE**  
NOT TO SCALE  
(AUGUST 2011)

TABLE 7-24 - RECOMMENDED RIP RAP GRADATION RANGES

PERCENT OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE (RELATIVE TO #50)
100%	(1.5 TO 2.0) x d <sub>50</sub>
85%	(1.3 TO 1.8) x d <sub>50</sub>
50%	(1.0 TO 1.5) x d <sub>50</sub>
15%	(0.3 TO 0.5) x d <sub>50</sub>

- CONSTRUCTION SPECIFICATIONS:**
1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADATIONS SHOWN ON THE PLANS.
  2. THE ROCK OR GRAVEL USED FOR FILTER OR RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
  3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
  4. STONE FOR THE RIP RAP 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.



**PRECAST REINFORCED CATCH BASIN**  
NOT TO SCALE  
(MARCH 2008)

- CONSTRUCTION NOTES:**
1. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. IN THE EVENT THAT A DISCREPANCY FROM THE INFORMATION SHOWN ON THESE PLANS IS FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO RESOLVE THE SITUATION.
  2. PRIOR TO CONSTRUCTION, CONTACT DIG SAFE CENTER, TOLL FREE 811. NEW HAMPSHIRE STATE LAW REQUIRES NOTIFICATION AT LEAST THREE BUSINESS DAYS BEFORE DIGGING OPERATIONS START. IN AN EMERGENCY, CALL IMMEDIATELY.
  3. ALL WORKMANSHIP AND MATERIALS INCORPORATED INTO THE CONSTRUCTION OF ROADS AND DRAINAGE SHOWN HEREON SHALL CONFORM WITH THE STANDARDS OF THE TOWN OF HUDSON ENGINEERING DEPARTMENT AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PUBLISHED AND AMENDED BY THE N.H.D.O.T.
  4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES, AS SHOWN IN THESE PLANS, THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES STANDARDS. THE EROSION CONTROL MEASURES PROVIDED SERVE AS A GUIDE ONLY AND SHALL BE CONSIDERED A MINIMUM STANDARD. CONTRACTOR SHALL IMPLEMENT ANY AND ALL ADDITIONAL MEASURES AS FIELD CONDITIONS DICTATE OR AS REQUIRED BY LOCAL OR STATE GUIDELINES. ALL EROSION CONTROL SHALL BE MAINTAINED AND/OR REPLACED IF DAMAGED.
  5. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, SWALES AND PONDS PRIOR TO DIRECTING STORM WATER RUN-OFF TO THEM.
  6. SILT SOXX TO BE CONSTRUCTED AS IDENTIFIED ON THIS PLAN. SILT SOXX BARRIERS TO BE CHECKED WEEKLY AND/OR AFTER LARGE STORM EVENTS. ALL SILT MATERIAL TO BE REMOVED. ANY DAMAGED SILT SOXX SHALL BE REINSTALLED IMMEDIATELY.
  7. SLOPE STABILIZATION METHODS SHALL BE PROVIDED IN ACCORDANCE WITH THE NHDES SITE SPECIFIC PERMIT OR AS FIELD CONDITIONS DICTATE. SLOPE STABILIZATION SHALL BE PROVIDED ON ALL SLOPES 3:1 AND GREATER AS A MINIMUM STANDARD. PROVIDE SLOPE STABILIZATION ON SLOPES LESS THAN 3:1 IF WARRANTED, AS FIELD CONDITIONS DICTATE.
  8. THE DRAINAGE DESIGN AND EROSION CONTROL MEASURES AS PROPOSED MEET ALL TOWN AND STATE REQUIREMENTS AND BEST MANAGEMENT PRACTICES AS PROMULGATED BY THE NHDES.
  9. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
  10. TOPSOIL SHALL BE REMOVED FOR ITS TOTAL DEPTH WITHIN THE LIMITS OF GRADING, UNLESS OTHERWISE DIRECTED. THE TOPSOIL SHALL BE STOCKPILED AND USED IN ITS ENTIRETY. STOCKPILE SOIL IN ACCORDANCE WITH NHDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
  11. UNSUITABLE MATERIAL, ROOTS, AND STUMPS WITHIN THE LIMITS OF WORK SHALL BE REMOVED FROM THE SITE AS ORDERED. DISPOSAL OF SUCH MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES AS APPLICABLE OR AS DIRECTED.
  12. THE SUBGRADE SHALL BE SCARIFIED TO ASSURE THAT ALL BOULDERS AND COBBLES OVER 6" ARE REMOVED PRIOR TO SHAPE, GRADE, AND COMPACTION ACTIVITIES.
  13. ALL WORKMANSHIP AND MATERIALS INCORPORATED INTO THE CONSTRUCTION OF ELECTRIC LINES SHALL CONFORM WITH THE STANDARDS OF THE OWNING UTILITY COMPANY.
  14. ALL WORKMANSHIP AND MATERIALS INCORPORATED INTO THE CONSTRUCTION OF TELEPHONE LINES SHALL CONFORM WITH THE STANDARDS OF THE OWNING TELEPHONE COMPANY.
  15. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND WITHIN THE CONSTRUCTION AREA. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
  16. THE CONTRACTOR SHALL COORDINATE MATERIALS AND INSTALLATION SPECIFICATIONS WITH THE INDIVIDUAL UTILITY AGENCIES/COMPANIES AND ARRANGE FOR ALL INSPECTIONS.
  17. UTILITY STUB CONNECTIONS SHOWN TO PROPOSED LOTS ARE APPROXIMATE AND INTENDED TO ILLUSTRATE FEASIBILITY OF CONSTRUCTING CONNECTIONS. THE CONTRACTOR SHALL PROVIDE SERVICE STUBS AS DIRECTED BY THE OWNING UTILITY COMPANY AND LOCAL AUTHORITY.
  18. CONTRACTOR SHALL COORDINATE WITH PHONE, CABLE, AND ELECTRIC COMPANIES FOR POTENTIAL NEED OF INDIVIDUAL SECTORS AT EACH LOT SERVICE CONNECTION.
  19. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
  20. THE CONTRACTOR SHALL VERIFY TBM ELEVATIONS PRIOR TO CONSTRUCTION.

**CONSTRUCTION DETAILS**  
**BARRETT HILL SUBDIVISION**  
MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

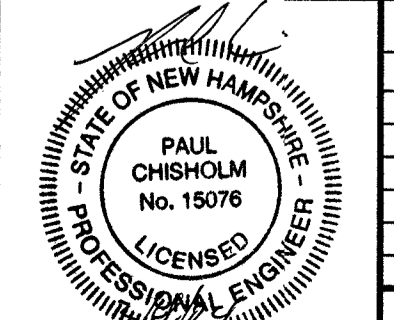
**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: AS SHOWN  
PROJECT NO: 23-0414-1 SHEET: 19 OF 24





**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:**
- RAKE THE SURFACE OF ALL AREAS TO BE LOAMED AND SEEDED TO REMOVE RUBBISH, STICKS, ROOTS AND STONES LARGER THAN 1 INCH.
  - PLACE LOAM OVER AREAS TO BE SEEDED AND SPREAD.
  - 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 SURFACE IS EXCESSIVELY WET OR FROZEN.
  - IF THE PH OF THE SOIL NEEDS TO BE RAISED, APPLY LIME EVENLY OVER LOAM SURFACE AND THOROUGHLY INCORPORATE LIME INTO THE LOAM BY HEAVY RAKING TO AT LEAST ONE-HALF THE DEPTH OF THE LOAM.
  - APPLY FERTILIZER AND MIX WITH THE UPPER 2 INCHES OF LOAM.
  - DETERMINE APPROPRIATE MIXTURE FOR AREA TO BE SEEDED 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.
  - SEEDING AND INITIAL FERTILIZING SHALL BE DONE BETWEEN APRIL 1 AND JUNE 1 OR BETWEEN AUGUST 15 AND OCTOBER 14, OR AS PERMITTED. SEEDING SHALL NOT BE DONE DURING WINDY WEATHER OR WHEN THE GROUND IS FROZEN, EXCESSIVELY WET OR OTHERWISE UNTILLABLE.
  - 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.
  - PROTECT AND PREVENT AGAINST WASHOUTS, ANY WASHOUTS WHICH OCCUR SHALL BE PROMPTLY REGRADED AND RESEED.
  - WHEN IT IS IMPRACTICAL TO ESTABLISH PERMANENT GROWTH ON DISTURBED EARTH BY OCTOBER 14, 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:**

- LOAM SHALL BE APPLIED AT A MINIMUM COMPACTED THICKNESS OF 4 INCHES.
- LIME SHALL BE USED WHEN NECESSARY TO RAISE THE PH OF THE SOIL AND APPLIED AT ONE OF THE FOLLOWING RATES:

EXISTING SOIL Ph	TONS/ACRE	POUNDS/CUBIC YARD
4.0 - 4.4	3	1.2
4.5 - 4.9	2	0.8
5.0 - 5.4	1	0.4

- FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE:

INITIAL APPLICATION	POUNDS/1,000 SF	MEASUREMENT FACTOR
10-10-10	20.0	1.0
15-15-15	13.4	1.5
19-19-19	10.5	1.9

REFERTILIZATION	POUNDS/1,000 SF	MEASUREMENT FACTOR
10-3-6	20.0	1.0
12-2-8	16.7	1.2
12-4-8	16.7	1.2

- MULCH SHALL BE APPLIED AT A RATE OF 13 CUBIC YARDS PER 1,000 S.F. OF LANDSCAPE BED.

- MATERIALS:**
- LOAM SHALL CONSIST OF LOOSE, FRIABLE TOPSOIL WITH NO ADMIXTURE OF REFUSE OR MATERIAL TOXIC TO PLANT GROWTH. LOAM SHALL BE FREE OF VOLATILE PARTS OF PROHIBITED INVASIVE PLANTS AND BE GENERALLY FREE OF STONES, LUMPS, STUMPS AND SIMILAR OBJECTS LARGER THAN 2 INCHES IN GREATEST DIAMETER, SUBSOIL, ROOTS AND WEEDS. THE MINIMUM AND MAXIMUM PH VALUE SHALL BE FROM 5.5 TO 7.6.
  - LIME SHALL BE A CALCIUM OR DOLOMITIC GROUND AGRICULTURAL LIMESTONE CONTAINING NOT LESS THAN 95% OF EITHER CALCIUM OR MAGNESIUM CARBONATE OR BOTH. IT SHALL CONFORM TO THE STANDARDS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS AND SHALL COMPLY WITH ALL STATE AND FEDERAL RULES AND REGULATIONS.
  - FERTILIZER SHALL BE STANDARD COMMERCIAL GRADE FERTILIZER CONFORMING TO ALL STATE AND FEDERAL RULES AND REGULATIONS AND TO THE STANDARDS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. EXCEPT AS PERMITTED, THE ANALYSIS RATIO SHALL BE 1:1:1 FOR INITIAL APPLICATION AND 3:1:2 FOR REFERTILIZATION APPLICATION.
  - GRASS SEED SHALL MEET THE REQUIREMENTS OF THE NEW HAMPSHIRE AGRICULTURAL AND VEGETABLE SEED LAWS AND SHALL INCLUDE NO "PRIMARY NOxious WEED SEEDS."
  - SEED MIXTURE FOR LAWN AREAS SHALL CONSIST OF THE FOLLOWING:

KIND OF SEED	MINIMUM PURITY (%)	MINIMUM GERMINATION (%)	POUNDS/ACRE (TOTAL 120 POUNDS)
CREeping RED FESCUE	96	85	40
PERENNIAL RYEGRASS	98	90	50
KENTUCKY BLUEGRASS	97	85	25
REDTOP	95	80	5

- SEED MIXTURE FOR SLOPE AREAS SHALL CONSIST OF THE FOLLOWING:

KIND OF SEED	MINIMUM PURITY (%)	MINIMUM GERMINATION (%)	POUNDS/ACRE (TOTAL 95 POUNDS)
CREeping RED FESCUE	96	85	35
PERENNIAL RYEGRASS	98	90	30
REDTOP	95	80	5
ALSike CLOVER	97	90	5
BIRDFOOT TREFOLI	98	80	5
LANCE-LEAVED COREOPSIS	95	80	4
OKEYE DAISY	95	80	3
BLACKEYED SUSAN	95	80	4
WILD LUPINE	95	80	4

**WINTER CONSTRUCTION NOTES:**

- ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 86% 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 SEEDED 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.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 86% 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.
- AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRANULES OR SOD. PUBLIC RIGHTS-OF-WAY SHALL BE CONTINUED THROUGH THE WINTER SEASON, BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  - BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED.
  - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
  - A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR
  - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

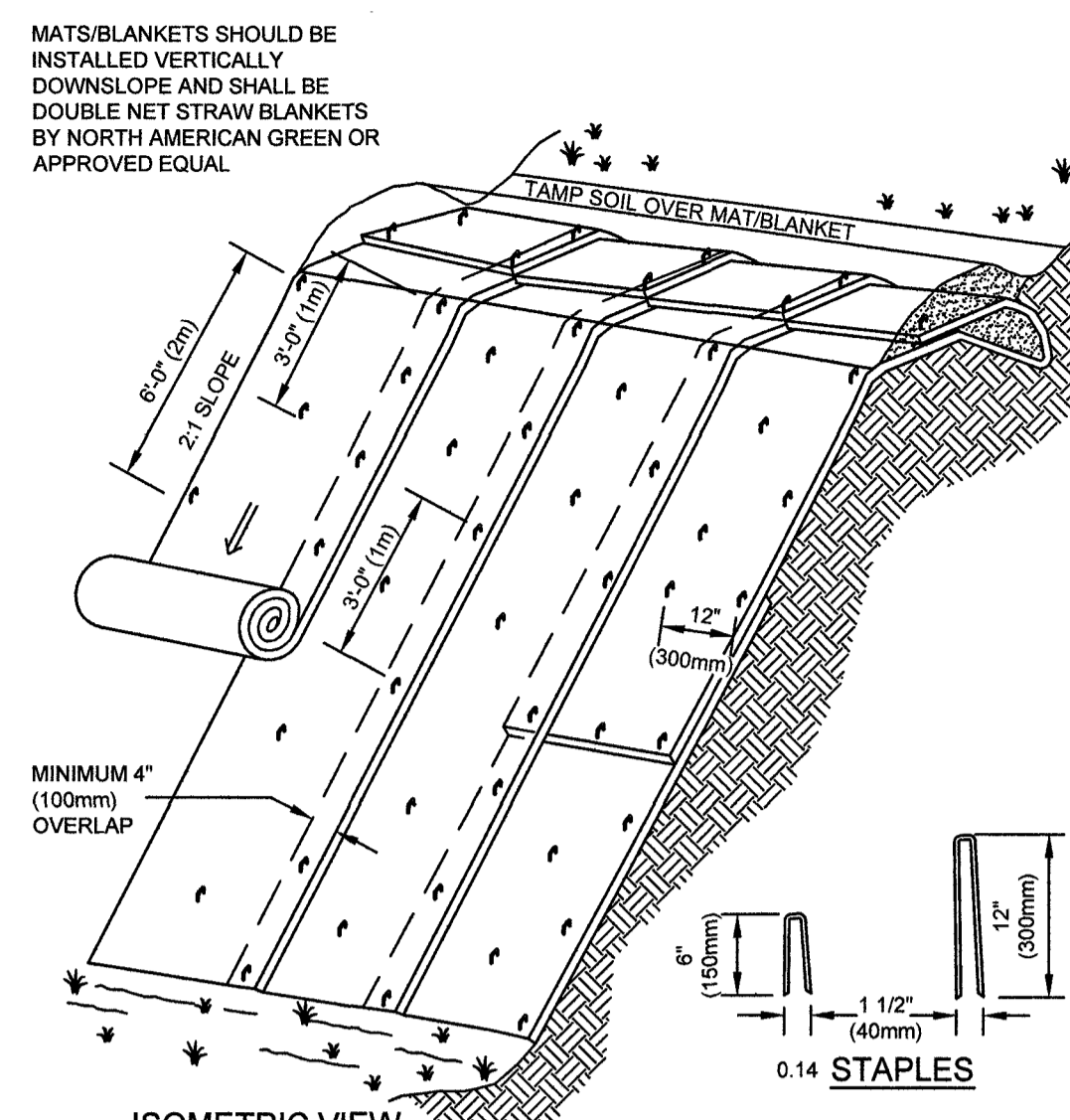
\_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

- TEMPORARY SEEDING MIXTURE SHALL BE APPLIED AT A RATE OF 2 POUNDS PER 1,000 SF AND 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-27 OR BLAZE SAND LOVEGRASS
  - 10% VIKING BIRDFOOT TREFOLI
 INOCULUM SPECIFIC TO BIRDFOOT TREFOLI MUST BE USED WITH THIS MIXTURE. IF SEEDING BY HAND, A STICKING AGENT SHALL BE USED. IF SEEDING WITH A HYDROSEDER, USE FOUR TIMES THE RECOMMENDED AMOUNT OF INOCULUM.
- SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS, INCLUDING DETENTION BASINS AND VEGETATED TREATMENT SWALES, SHALL BE APPLIED AT A RATE OF 70 POUNDS PER ACRE OR 1.9 POUNDS PER 1,000 SF, AND SHALL CONSIST OF THE FOLLOWING:
  - 25% CREeping RED FESCUE
  - 15% SWITC GRASS
  - 15% FOX SEDGE
  - 15% CREeping BENTGRASS
  - 10% FLATPEA
  - 20% WILDFLOWER VARIETY
- STRAW USED FOR MULCH SHALL CONSIST OF MOWED AND PROPERLY CURED GRASS OR LEGUME MOWINGS, FREE FROM WEEDS, TWIGS, DEBRIS, INVASIVE SPECIES OR OTHER DELETERIOUS MATERIAL AND ROT OR MOLD.

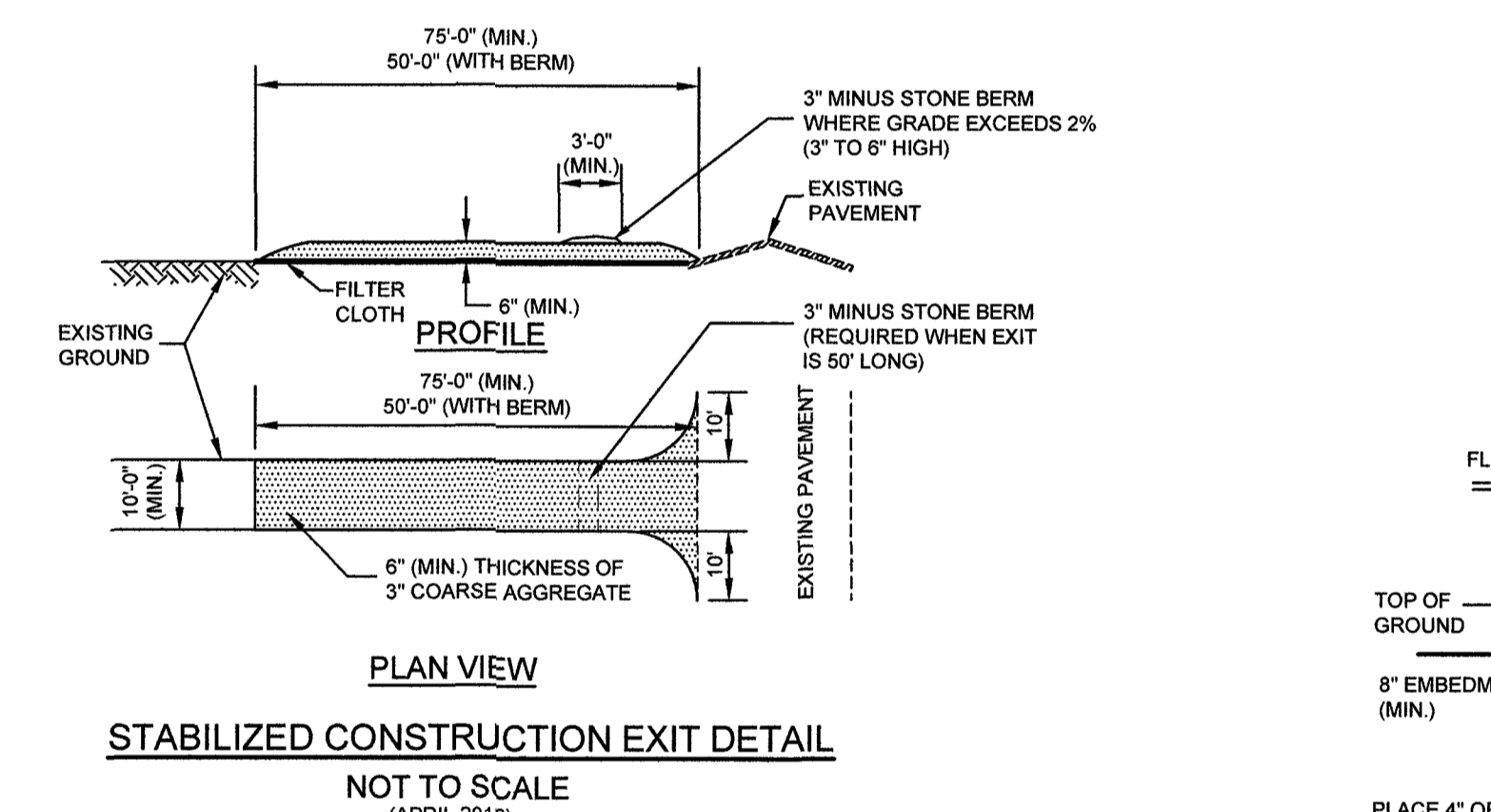
- SOD SPECIFICATIONS:**
- SOD SHALL BE PROVIDED WITH A STRONG ROOT SYSTEM, NOT LESS THAN TWO YEARS OLD AND SHALL BE FREE OF ANY UNDESIRABLE NATIVE GRASSES OR WEEDS.
  - SOD SHALL BE MACHINE CUT TO A THICKNESS NOT LESS THAN 3/4", EXCLUDING THATCH, AND SHALL BE CAPABLE OF VIGOROUS GROWTH WHEN PLANTED.
  - SOD PADS SHALL BE OF UNIFORM SIZE AND COMPOSED OF AT LEAST TWO LOCAL GRASS VARIETIES.
  - LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS, DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. TAMP SOD TO ENSURE CONTACT WITH WITH SOIL.
  - WATER WITHIN ONE HOUR OF PLANTING WITH A FINE SPRAY.



**NOTES:**

- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
- APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
- THERE SHALL BE NO PLASTIC, OR MULTI-FILAMENT OR MONO-FILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES MATERIAL UTILIZED.

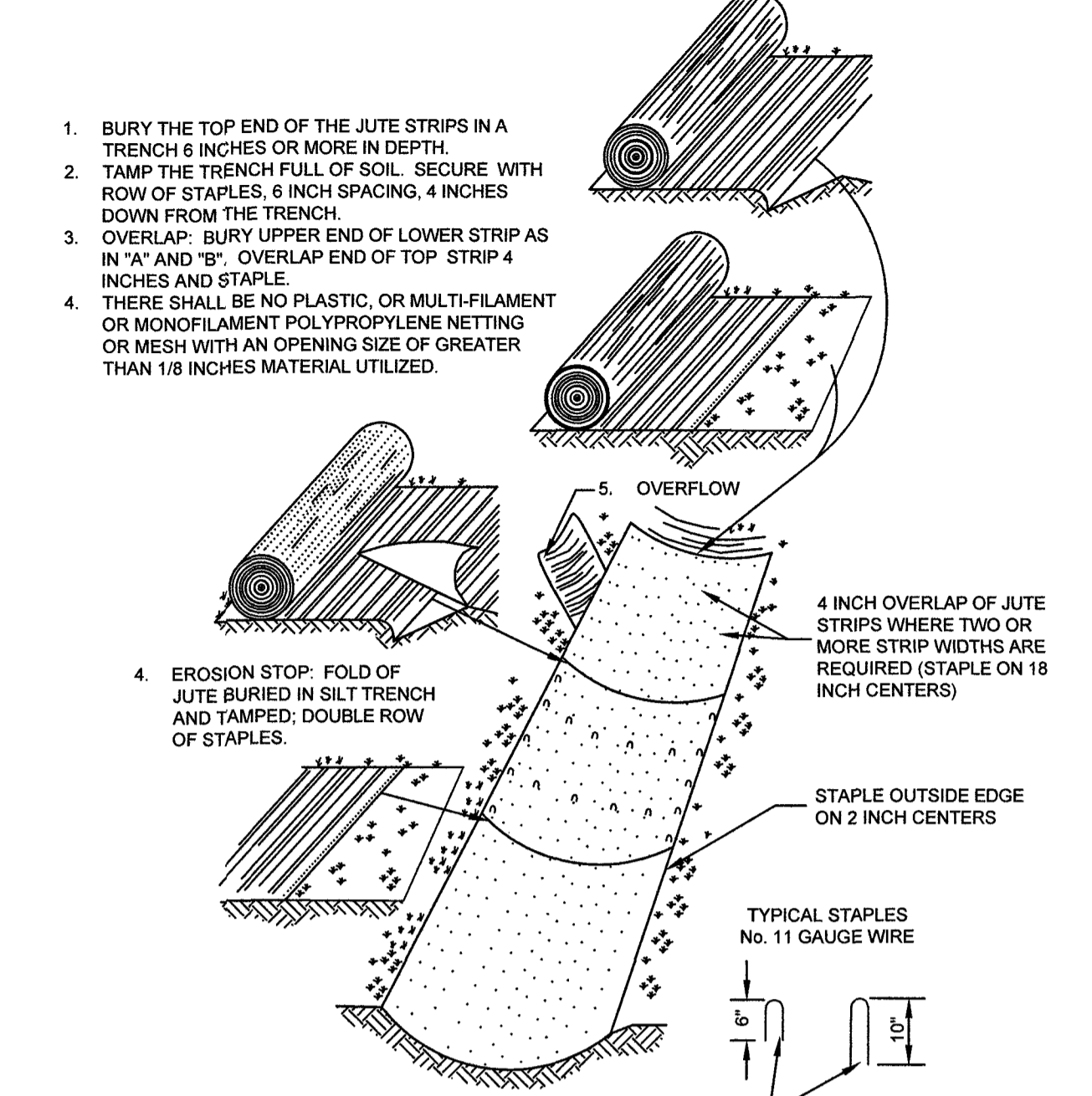
**EROSION CONTROL BLANKETS - SLOPE INSTALLATION**  
NOT TO SCALE  
(AUGUST 2011)



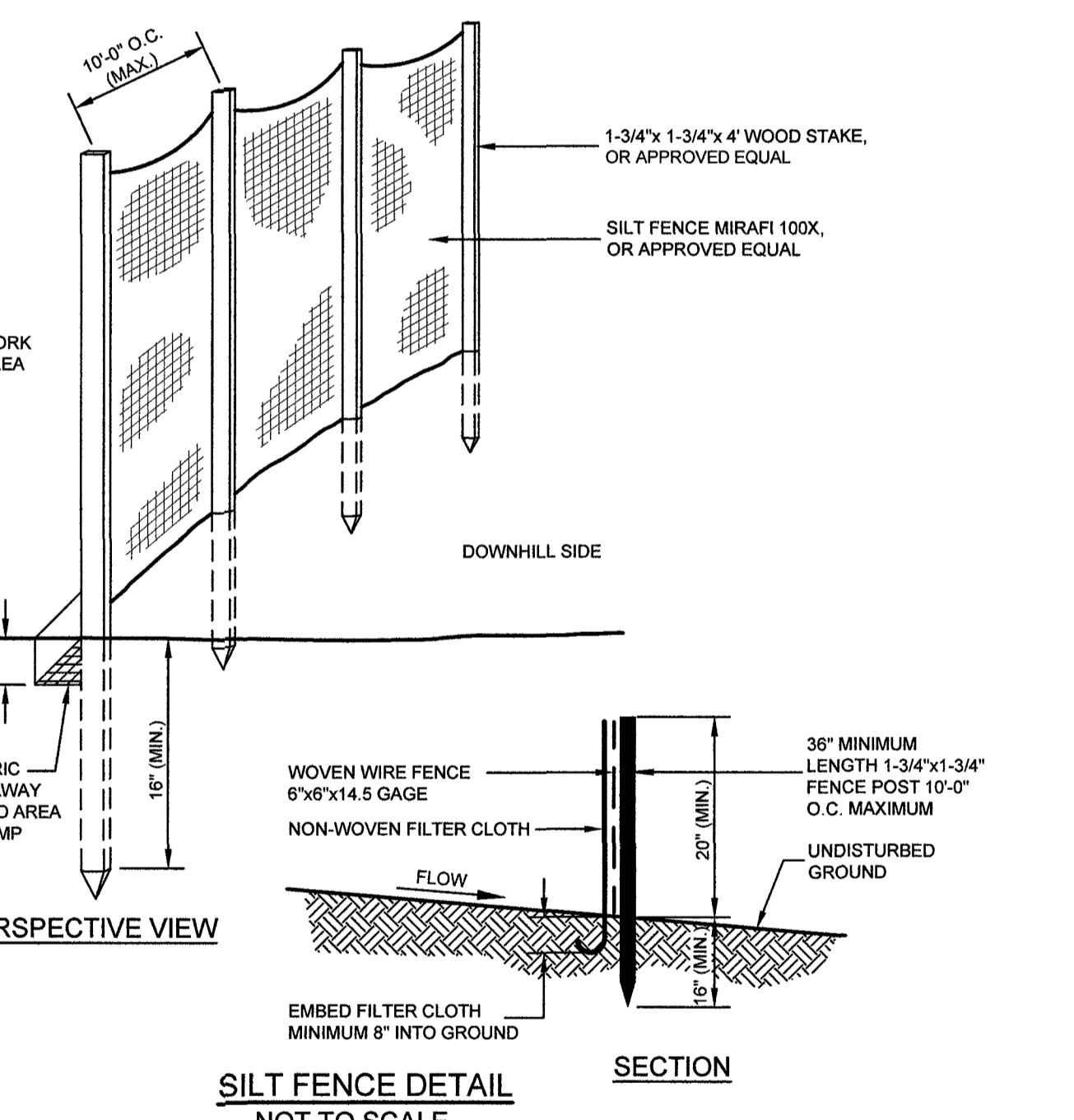
**MAINTENANCE:**  
MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTIVENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW CRUSHED STONE OR COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.

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:**
- STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE OR RECYCLED CONCRETE EQUIVALENT.
  - 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.
  - THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 6 INCHES.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - STABILIZED CONSTRUCTION EXITS SHALL BE A MINIMUM OF 75 FEET LONG UNLESS A 3" TO 6" HIGH 3" MINUS STONE BERM IS PROVIDED, IN WHICH CASE THE LENGTH CAN BE REDUCED TO 50 FEET.



**EROSION CONTROL BLANKETS - SWALE INSTALLATION**  
NOT TO SCALE



**CONSTRUCTION SPECIFICATIONS:**

- THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
- THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
- WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIE OR STAPLES WHERE NOTED OR AS DIRECTED BY DESIGN ENGINEER.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MIDSECTION AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**MAINTENANCE:**

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

- CONSTRUCTION SEQUENCE**
- CONTRACTOR TO NOTIFY DIG-SAFE 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - PRIOR TO GRUBBING OF CLEARED AREAS, ALL SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED CALLED FOR ON PROJECT PLANS. INSTALL STABILIZED CONSTRUCTION EXIT AT LOCATION OF CONSTRUCTION ACCESS AT LOCATION OF INTERSECTION WITH EXISTING PAVEMENT.
  - 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. THIS PROJECT IS MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:55 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
  - COMPLETE GRUBBING OPERATIONS UNDER THE ROADWAY AND SLOPE SECTIONS. 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.
  - STABILIZE ALL DITCHLINES AND PONDS PRIOR TO DIRECTING FLOW INTO THEM, CONSTRUCT DRAINAGE SYSTEM SEWER AND OTHER SUBSURFACE UTILITIES.
  - COMMENCE CONSTRUCTION OF ROADWAY. PERFORM EXCAVATION ACTIVITIES REQUIRED TO ACHIEVE SUBGRADE ELEVATION. ALL EXCAVATED EMBANKMENTS, DITCHES, SWALES AND ROADWAY CROSS CULVERTS SHALL BE INSTALLED AND STABILIZED. ALL SWALES AND DITCHLINES SHALL BE PROTECTED FROM EROSION BY IMPLEMENTATION OF HAY BALE SILTATION FENCES AS SHOWN ON PROJECT PLANS. DIVERT STORMWATER RUNOFF THROUGH THE USE OF TEMPORARY CULVERTS, OR OTHER MEANS NECESSARY PRIOR TO THE COMPLETION OF A FUNCTIONAL STORM DRAINAGE SYSTEM. SLOPES AND EMBANKMENTS SHALL BE STABILIZED BY TRACKING AND TEMPORARY SEEDING WITH WINTER RYE PRIOR TO TURF ESTABLISHMENT. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO HAVING RUNOFF DIRECTED TO THEM.
  - COMPLETE CONSTRUCTION OF ROADWAY EMBANKMENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.
  - APPLY TOPSOIL TO ROADWAY 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 LIME, 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.
  - PERFORM FINE GRADING OF ROADWAY BASE MATERIALS.
  - 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 ON INDIVIDUAL LOTS TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN SUCH A WAY AS NOT TO ENDANGER THE INTEGRITY OF ROADWAY EMBANKMENTS, STORMWATER SYSTEMS AND UTILITIES. ALL DRIVEWAYS ACROSS DITCHLINES SHALL HAVE CULVERTS INSTALLED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
  - LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.

- EROSION CONTROL NOTES:**
- 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. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING THIRTY (30) CALENDAR DAYS.
  - TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD 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\"/>

**CONSTRUCTION DETAILS**  
**BARRETT HILL SUBDIVISION**

MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

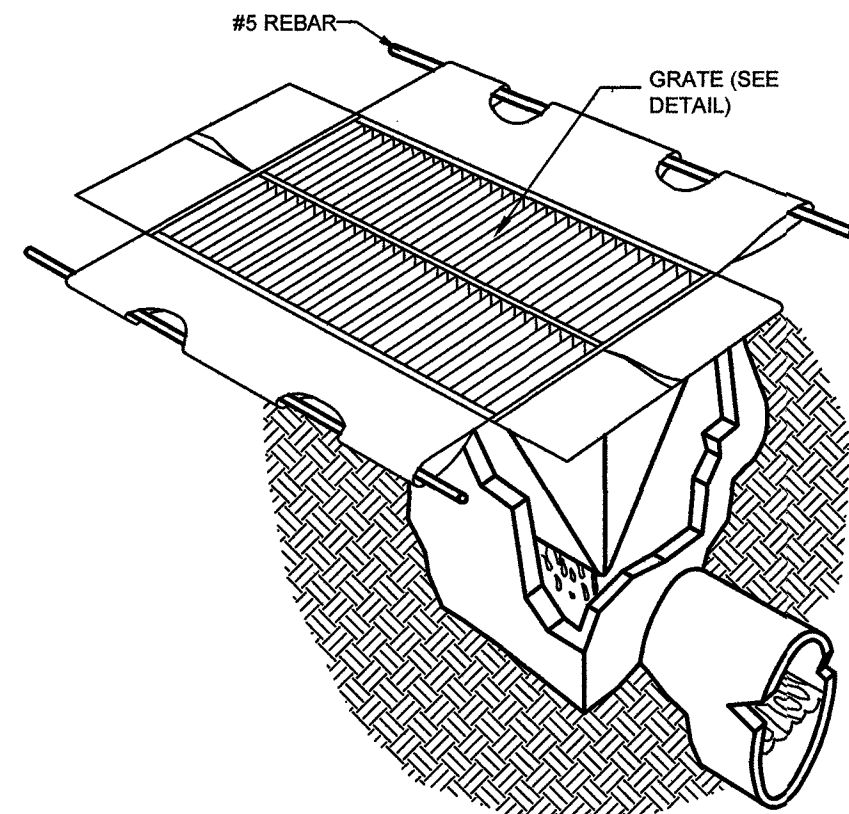
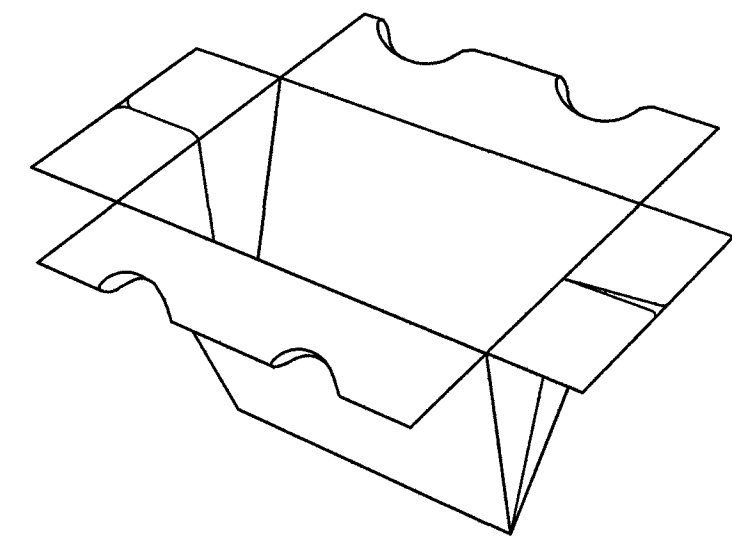
OWNER/APPLICANT:  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: AS SHOWN  
PROJECT NO: 23-0414-1 SHEET: 20 OF 24





**SILTSAK DETAIL**  
NOT TO SCALE  
(MARCH 2008)

**SILTSAK NOTES:**

- THE SILTSAK SHALL BE MANUFACTURED FROM WOVEN POLYPROPYLENE AND SEWN BY A DOUBLE NEEDLE MACHINE, USING A HIGH STRENGTH NYLON THREAD.
- THE SILTSAK SEAMS HAVE A CERTIFIED WIDE WIDTH STRENGTH PER ASTM D-4884 STANDARDS AS FOLLOWS:

SILTSAK STYLE	TEST METHOD	TEST RESULT
REGULAR FLOW	ASTM D-4884	165.0 LBS/IN
HI-FLOW	ASTM D-4884	114.6 LBS/IN

- THE SILTSAK WILL BE MANUFACTURED TO FIT THE OPENING OF THE CATCH BASIN OR DROP INLET. THE SILTSAK WILL HAVE THE FOLLOWING FEATURES:

- TWO DUMP STRAPS ATTACHED AT THE BOTTOM TO FACILITATE THE EMPTYING OF THE SILTSAK;
- LIFTING LOOPS AS AN INTEGRAL PART OF THE SYSTEM TO BE USED TO LIFT THE SILTSAK FROM THE BASIN; AND
- A RESTRAINT CORD APPROXIMATELY HALFWAY UP THE SACK TO KEEP THE SIDES AWAY FROM THE CATCH BASIN WALLS. THIS YELLOW CORD IS ALSO A VISIBLE MEANS OF INDICATING WHEN THE SACK SHOULD BE EMPTIED, CLEANED AND PLACED BACK INTO THE BASIN.

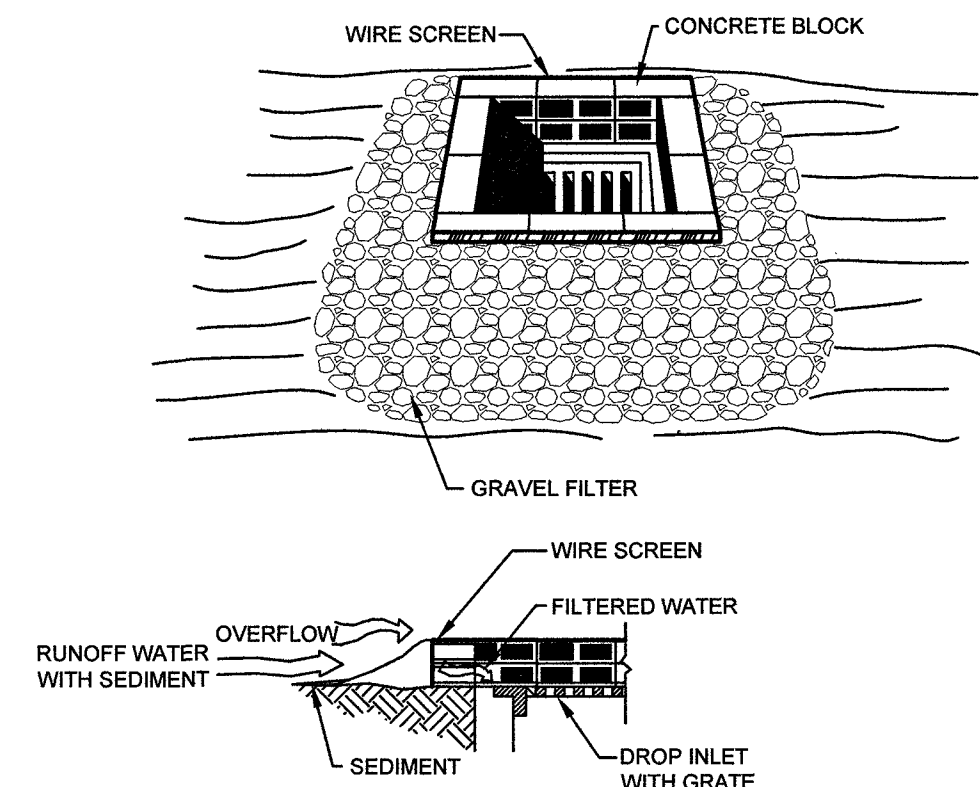
- THE GEOTEXTILE FABRIC SHALL BE WOVEN POLYPROPYLENE FABRIC WITH THE FOLLOWING PROPERTIES:

**SILTSAK REGULAR FLOW:**

PROPERTY	TEST METHOD	TEST RESULT
GRAB TENSILE	ASTM D-4643	300 LBS.
GRAB ELONGATION	ASTM D-4631	20%
PUNCTURE	ASTM D-4833	120 LBS.
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS.
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL./MIN./FT2
PERMITTIVITY	ASTM D-4491	0.55 SEC.

**OR SILTSAK HI-FLOW:**

PROPERTY	TEST METHOD	TEST RESULT
GRAB TENSILE	ASTM D-4632	265 LBS.
GRAB ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS.
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS.
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	20 GAL./MIN./FT2
PERMITTIVITY	ASTM D-4491	1.5 SEC.

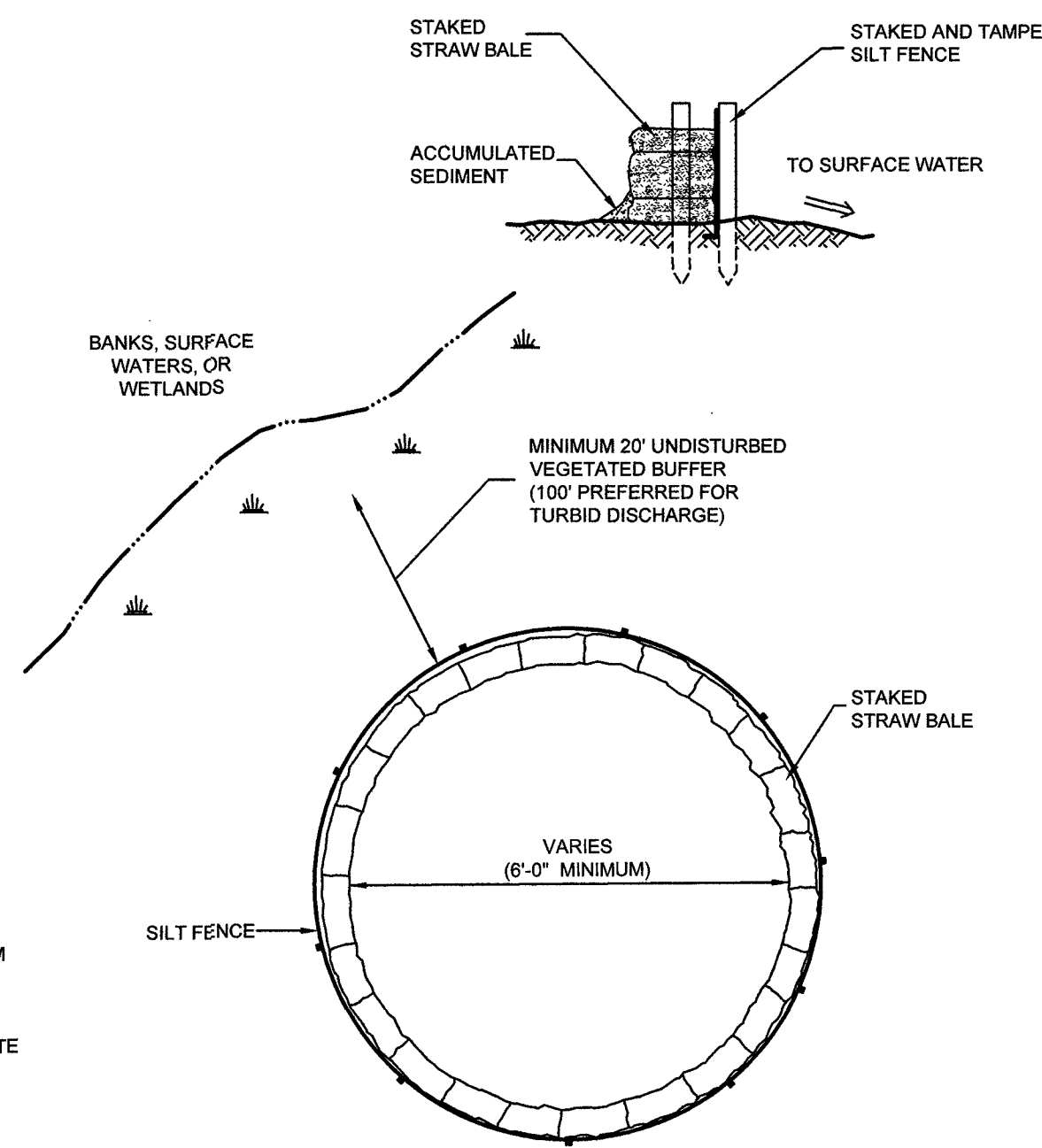


**NOTES:**

- CONCRETE BLOCKS SHOULD BE PLACED LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET. THE ENDS OF EACH BLOCK SHOULD BE ABUTTING. THE HEIGHT OF THE BARRIER CAN BE VARIED DEPENDING ON THE DESIGN BY STACKING VARIOUS COMBINATIONS OF DIFFERENT SIZED BLOCKS. THE BARRIER SHOULD BE A MINIMUM OF 12 INCHES HIGH AND A MAXIMUM OF 24 INCHES HIGH.
- HARDWARE CLOTH OR WIRE MESH SHOULD BE PLACED OVER OPENINGS OF THE CONCRETE BLOCKS AND EXTENDED AT LEAST 12 INCHES AROUND THE OPENING TO PREVENT AGGREGATE FROM BEING TRANSPORTED THROUGH THE OPENINGS IN THE BLOCK.
- SEWER STONE OR OTHER CLEAN COARSE AGGREGATE SHOULD BE PLACED AGAINST THE BLOCK TO THE TOP OF THE BARRIER.

**BLOCK & GRAVEL DROP INLET SEDIMENT FILTER**

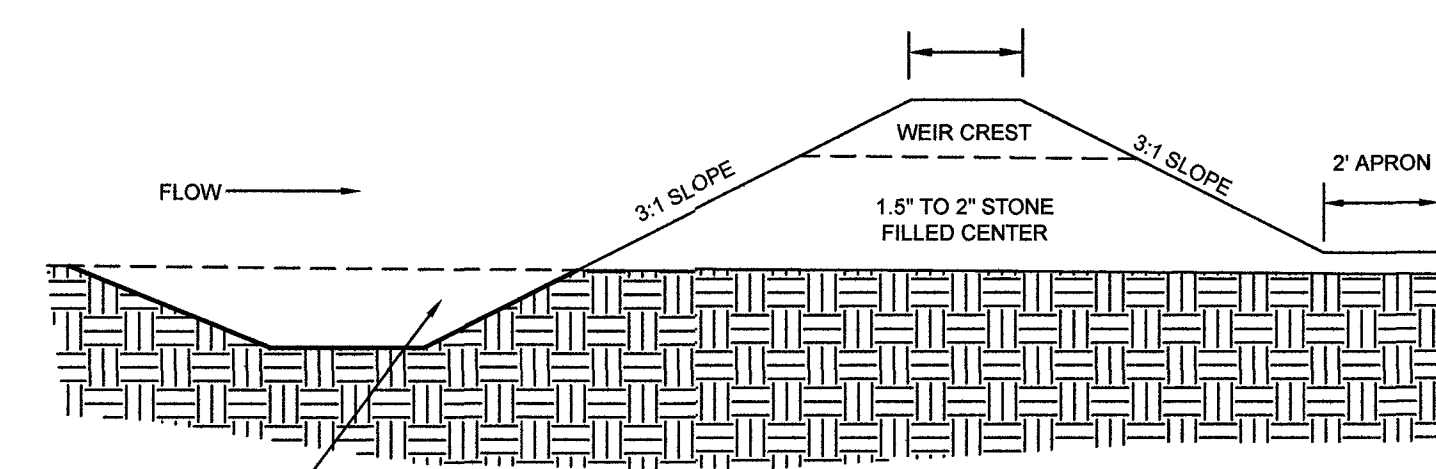
NOT TO SCALE  
(MARCH 2008)



**PLAN VIEW**

**SEDIMENT RETENTION BASIN**

NOT TO SCALE  
(AUGUST 2013)



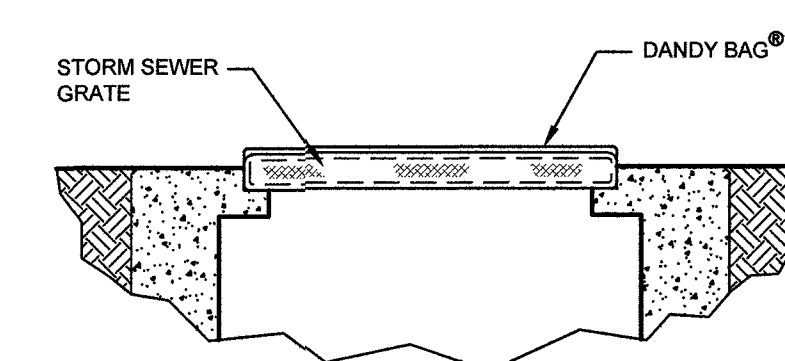
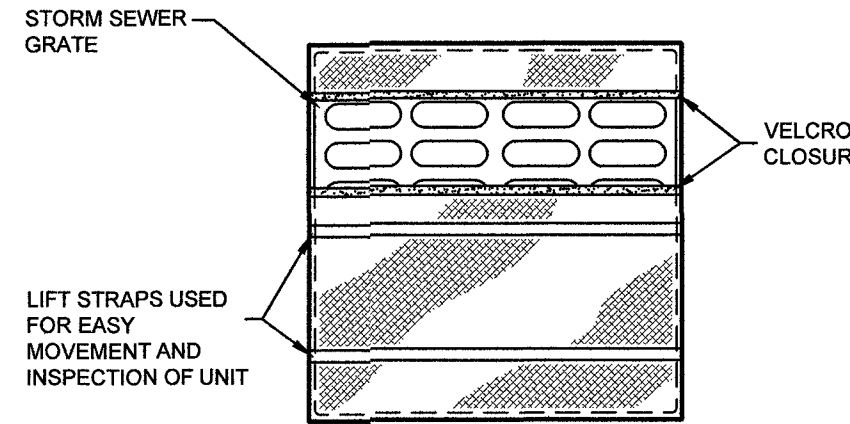
**SECTION A-A**

EXCAVATE FOR REQUIRED STORAGE

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

**TEMPORARY SEDIMENT TRAP DETAIL**

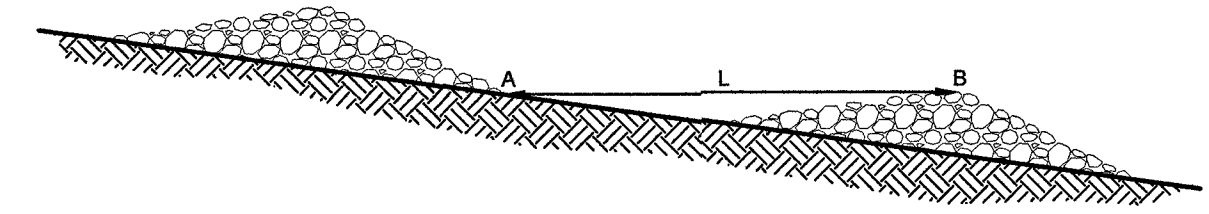
NOT TO SCALE



**HI-FLOW DANDY BAG® (SAFETY ORANGE)**

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbf)	1.62 (365) x 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 x 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbf)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	KPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbf)	0.51 (115) x 0.33 (75)
UV RESISTANCE	ASTM D 4355	%	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

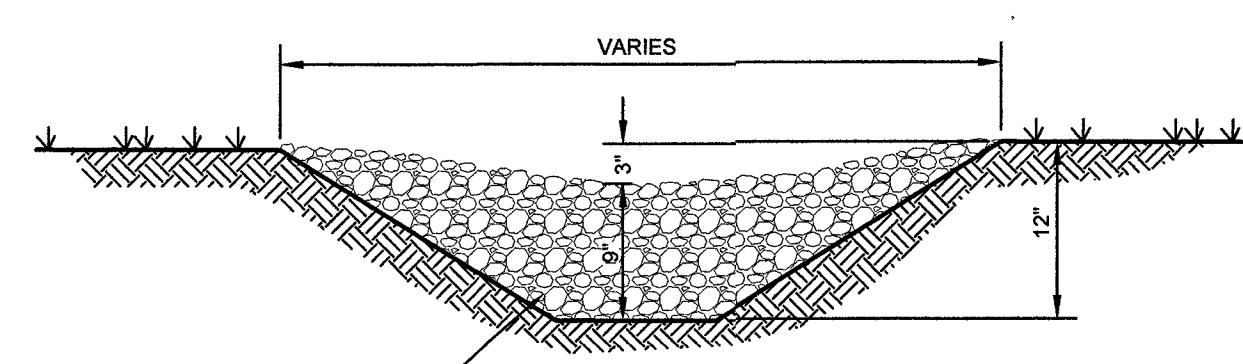
**DANDY BAG®**  
NOT TO SCALE  
(APRIL 2010)



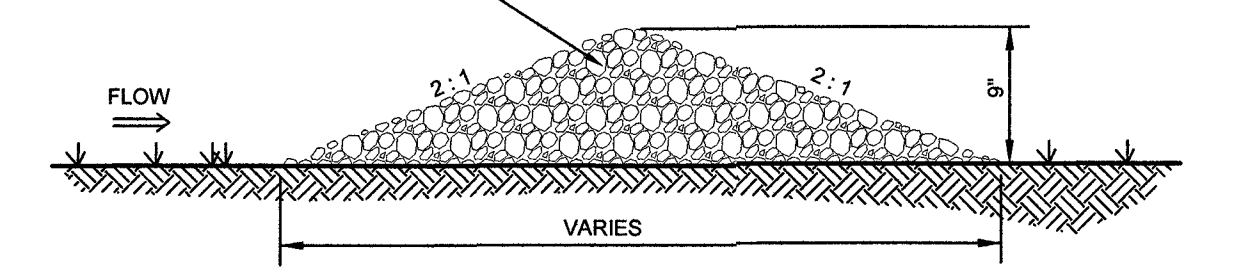
L = THE DISTANCE SUCH THAT POINTS A AND B ARE EQUAL ELEVATION, OR FOR FLAT SLOPES L = 75' MAXIMUM

**STONE CHECK DAM SPACING DETAIL**

NOT TO SCALE  
(MARCH 2008)



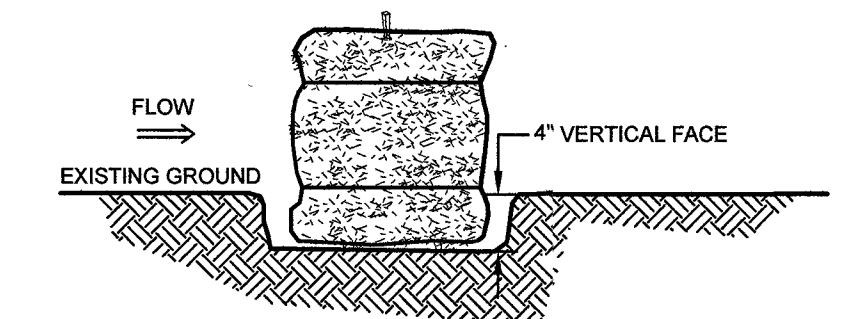
**ELEVATION**



**CROSS-SECTION**

**STONE CHECK DAM DETAIL**

NOT TO SCALE  
(MARCH 2008)



**ANCHORING DETAIL**

**CONSTRUCTION SPECIFICATIONS:**

- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- BALES SHOULD BE FREE FROM ANY PLANT MATERIAL FOUND ON THE NEW HAMPSHIRE INVASIVE SPECIES LIST.

**STRAW BALE BARRIER**

NOT TO SCALE  
(JULY 2010)

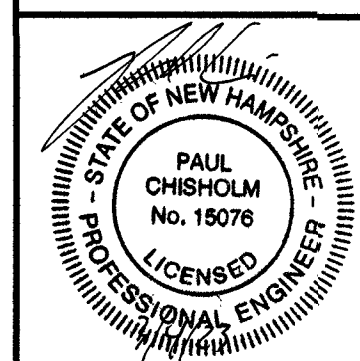
APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SIGNATURE DATE: \_\_\_\_\_  
SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.

**CONSTRUCTION DETAILS**  
**BARRETT HILL SUBDIVISION**

MAP 151 LOT 59  
75 BARRETT HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**KM 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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: AS SHOWN  
PROJECT NO: 23-0414-1 SHEET: 21 OF 24





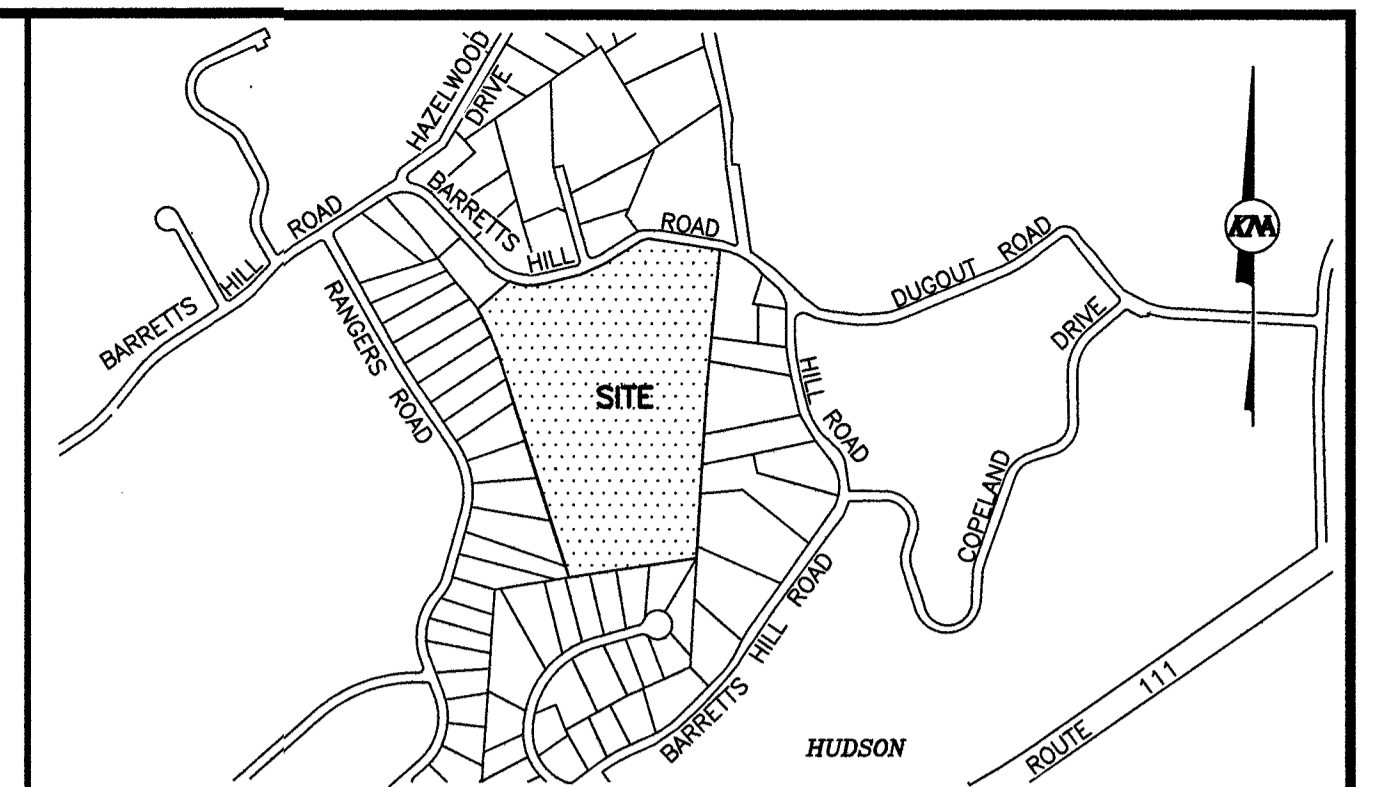




TABLE OF ZONING REQUIREMENTS RESIDENTIAL SINGLE FAMILY	
DESCRIPTION	REQUIRED
MINIMUM LOT SIZE	87,120 SF
MINIMUM LOT FRONTAGE	200 FT
FRONT YARD SETBACK	50 FT
SIDE YARD SETBACK	15 FT
REAR YARD SETBACK	15 FT

**LEGEND**

- PROPERTY LINE
- R.O.W. LINE
- EDGE OF PAVEMENT
- EASEMENT
- STEEP SLOPE AREAS

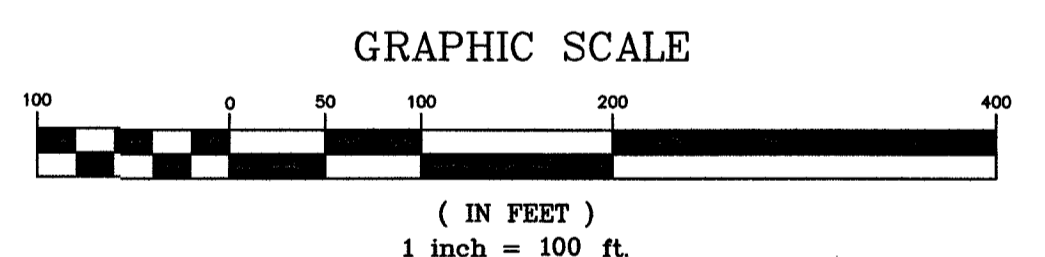


**LOCATION PLAN**  
SCALE: 1" = 1000'±

**NOTES:**

- THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS PRESENT ON ASSESSORS MAP 151 LOT 59 IN HUDSON, N.H.
- TOTAL SITE AREA = 1,540,250 S.F. OR 35.36 ACRES
- OWNER OF RECORD:  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, N.H. 03054
- THE SUBJECT PARCEL IS LOCATED WITHIN THE GENERAL (G-1) ZONING DISTRICT AND IS SUBJECT TO THE FOLLOWING DIMENSIONAL REQUIREMENTS:  
MINIMUM LOT AREA: 87,120 SF  
MINIMUM FRONTAGE: 200 FT  
MINIMUM BUILDING SETBACKS:  
- FRONT 50 FT  
- SIDE 15 FT  
- REAR 15 FT
- BOUNDARY AND TOPOGRAPHIC INFORMATION IS BASED ON A FIELD SURVEY PERFORMED BY THIS OFFICE IN MAY OF 2023.
- HORIZONTAL DATUM IS NAD83 AND VERTICAL DATUM IS NAVD88 USING REAL TIME GPS SURVEYING METHODS.
- EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF HUDSON, NEW HAMPSHIRE, HILLSBOROUGH COUNTY COMMUNITY NUMBER 33011005170 PANEL NUMBER 517 OF 701 EFFECTIVE DATE SEPTEMBER 25, 2009 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A DESIGNATED FLOOD HAZARD.
- 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 OWNER OR CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
- 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.

TABLE OF LOT AREAS						
LOT NUMBER	LOT AREA (SF)	FRONTAGE (FT)	STEEP SLOPES (SF)	WETLANDS (SF)	NON-CONTIGUOUS AREA (SF)	BLA (SF)
59-1	88,131	335.00	0	0	0	88,131
59-2	96,775	285.80	5,009	0	0	91,766
59-3	97,174	200.00	6,971	0	0	90,203
59-4	156,151	200.00	16,069	0	0	140,082
59-5	142,602	697.40	33,998	0	0	108,604
59-6	136,428	245.00	30,511	0	0	105,917
59-7	126,038	326.90	28,789	0	0	97,249
59-8	109,418	772.80	13,736	0	0	95,682
59-9	87,890	523.00	0	0	0	87,890
59-10	90,231	542.30	264	0	0	89,967
59-11	89,194	579.90	1,668	0	0	87,526
59-12	89,761	275.00	0	0	0	89,761
59-13	88,433	290.00	0	0	0	88,433
ROW AREA=142,024						
TOTAL AREA=1,540,250						



**REFERENCE PLANS:**

- "LOT LINE RELOCATION TO INCLUDE WELL SURVEYED FOR GEORGE BOYER BARRETT'S HILL ROAD HUDSON, N.H." SCALE: 1"=40'. DATED: JANUARY 10, 1978. PREPARED BY: PIANTIOSI ASSOCIATES, INC. H.C.R.D. PLAN #11141
- "BOUNDARY PLAN BARRETT'S HILL ROAD HUDSON, NEW HAMPSHIRE. PREPARED FOR: MICHAEL F. CALLAHAN ET.UX." SCALE: 1"=100'. DATED: OCTOBER 5, 1979. PREPARED BY: ALLEN H. SWANSON, INC. H.C.R.D. PLAN #12696
- "DECLARATION OF CONDOMINIUM SITE PLAN HILLTOP HOUSE -A CONDOMINIUM-" SCALE: 1"=20'. DATED: AUGUST 6, 1981. PREPARED BY: THOMAS F. MORAN INC. H.C.R.D. PLAN #15313
- "SUBDIVISION PLAN BARRETT'S HILL ROAD HUDSON, N.H. PREPARED FOR JOHN JACOBS." SCALE: 1"=50'. DATED: SEPTEMBER 25, 1985. PREPARED BY: STEVEN J. PATRICK & ASSOCIATES. H.C.R.D. PLAN #19495
- "MALLARD DRIVE SUBDIVISION CONSOLIDATION AND RESUBDIVISION PLAN." SCALE: 1"=80'. DATED: AUGUST, 1985. PREPARED BY: COSTELLO, LOMASNEY & DE NAPOLI, INC. H.C.R.D. PLAN #22145
- "CONSOLIDATION & SUBDIVISION PLAN LOT 54 MAP 31" SCALE: 1"=50'. DATED: AUGUST 1986. PREPARED BY: MAYNARD & PAQUETTE, INC. H.C.R.D. PLAN #22146
- "CONDOMINIUM PLAN OF LAND IN HUDSON, N.H. PREPARED FOR JOHN JACOBS." SCALE: 1"=50'. DATED: AUGUST 30, 1990. PREPARED BY: STEVEN J. PATRICK & ASSOCIATES LAND SURVEYORS. H.C.R.D. PLAN #24824
- "SUBDIVISION PLAN MASINGILL SUBDIVISION 65 BARRETT'S HILL ROAD, HUDSON, N.H." SCALE: 1"=50'. DATED: FEBRUARY 11, 1998. PREPARED BY: JONES & BEACH ENGINEERS, INC. H.C.R.D. PLAN #29219

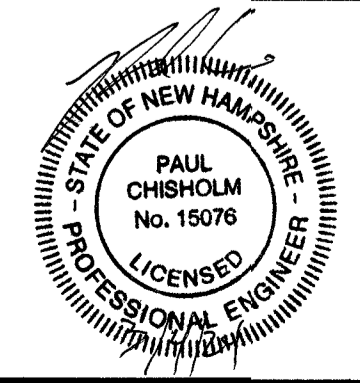
**CONVENTIONAL SUBDIVISION YIELD PLAN**

**BARRETT HILL SUBDIVISION**

MAP 151 LOT 59  
75 BARRETT'S HILL ROAD  
HUDSON, NEW HAMPSHIRE  
HILLSBOROUGH COUNTY

**OWNER/APPLICANT:**  
BARRETT HILL, LLC  
21 CONTINENTAL BLVD. DOOR #4  
MERRIMACK, NH 03054  
H.C.R.D. BK. 9700 PG. 287

**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	3/4/24	STAFF & REVIEW ENGINEER REVS	PCM

DATE: DECEMBER 6, 2023 SCALE: 1"=100'  
PROJECT NO: 23-0414-1 SHEET: 24 OF 24

APPROVED BY THE HUDSON, NH PLANNING BOARD  
DATE OF MEETING: \_\_\_\_\_

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

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

SUBDIVISIONS ARE VALID FOR TWO YEARS FROM THE DATE OF PLANNING BOARD MEETING FINAL APPROVAL. FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS AND CHANGES TO THE ZONING ORDINANCE, SEE NH RSA 674:39.