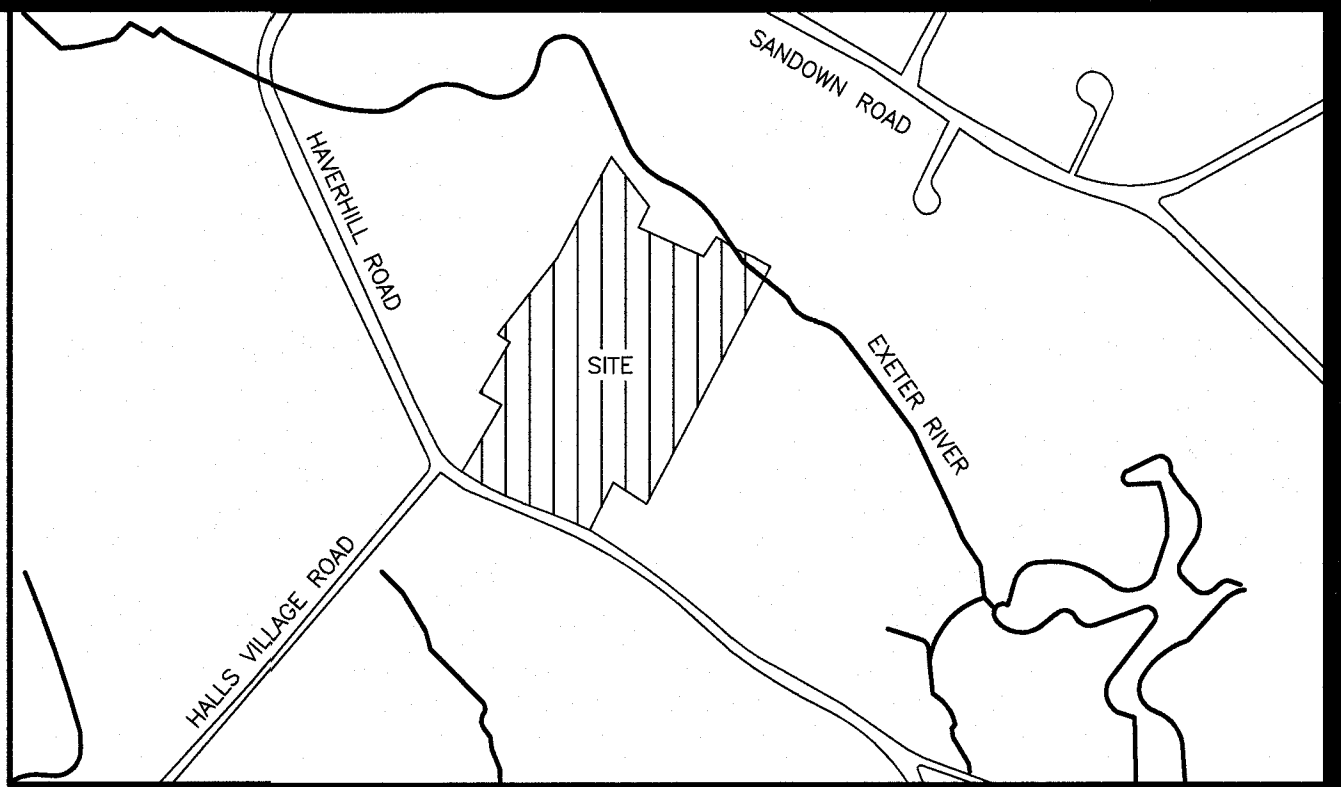


VICINITY PLAN  
NOT TO SCALE



VICINITY PLAN  
SCALE: 1" = 1,000±

RESIDENTIAL SUBDIVISION  
COLBY FARM SUBDIVISION

MAP 15 LOT 18 & MAP 5 LOT 97

181 HAVERHILL ROAD

CHESTER, NEW HAMPSHIRE

- 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: NHB21-2348, COLBY FARM 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.

APPROVED BY THE CHESTER PLANNING BOARD ON: \_\_\_\_\_

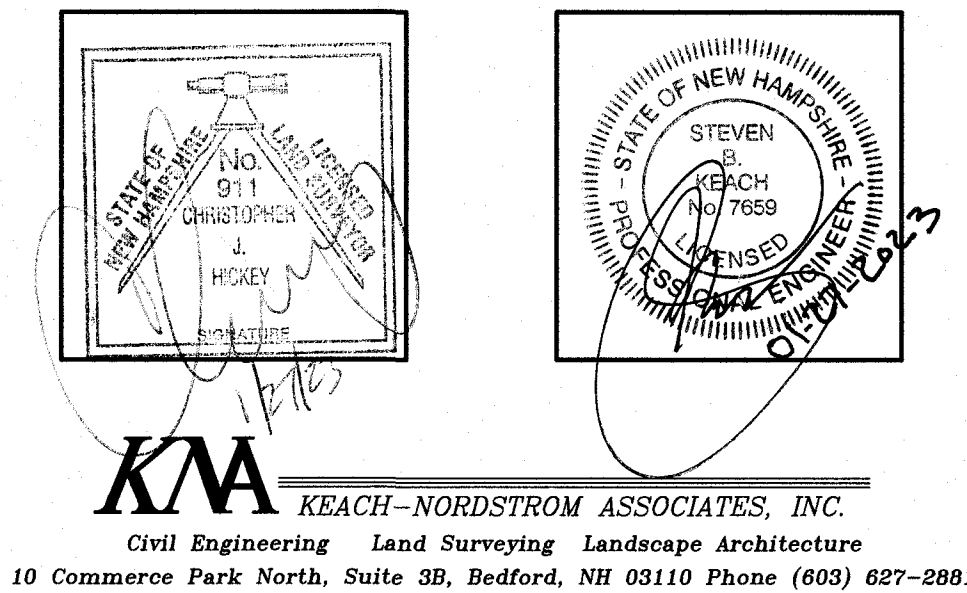
CERTIFIED BY: \_\_\_\_\_

CHAIR: \_\_\_\_\_

COORDINATOR: \_\_\_\_\_

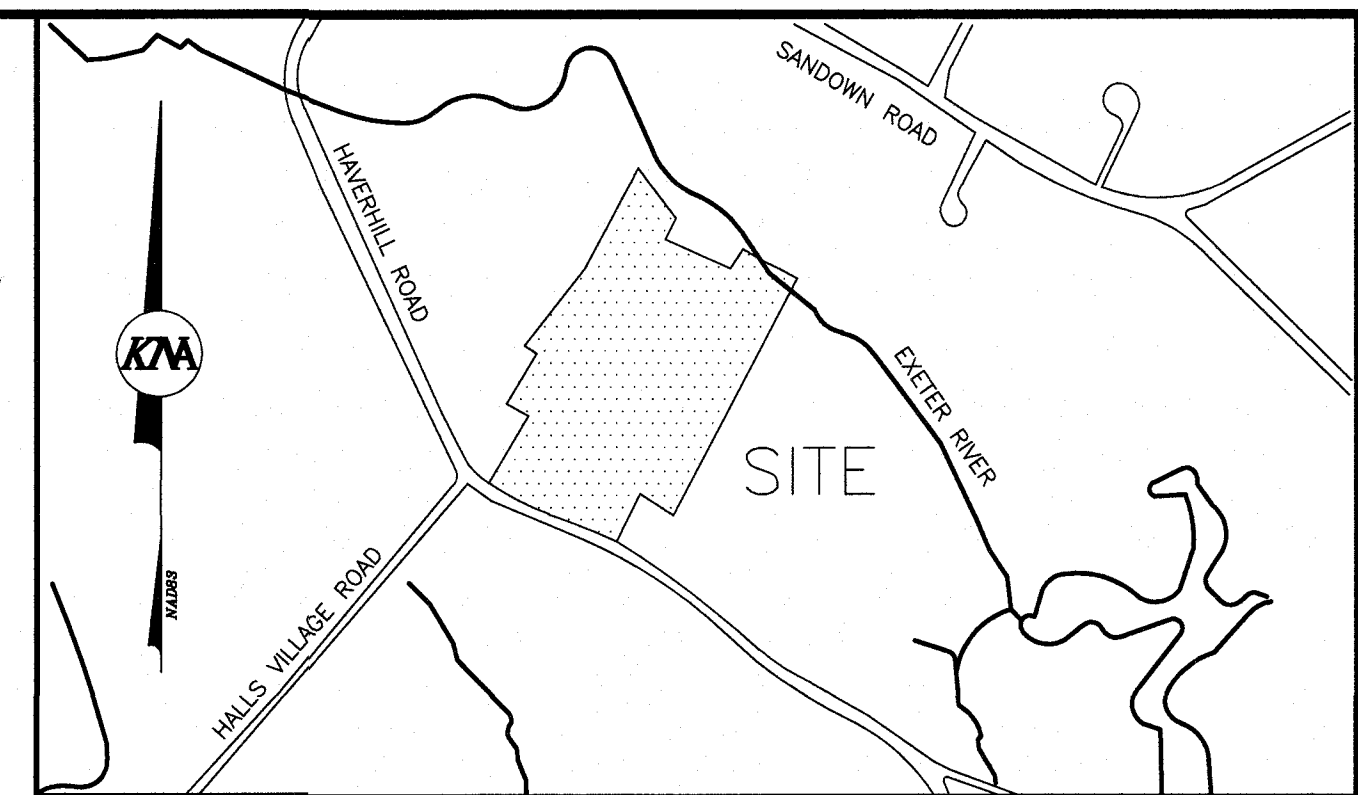
**OWNER/APPLICANT:**  
LIFESTYLE HOMES OF CHESTER NH, LLC  
3 MYLES DRIVE  
DERRY, NH 03038  
(603)-533-7499

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



NOVEMBER 10, 2021  
REVISED: JANUARY 5, 2023  
PROJECT NO. 20-1221-4

SHEET TITLE	SHEET No.
EXISTING CONDITIONS PLAN	1
MASTER SUBDIVISION PLAN	2
RESIDENTIAL SUBDIVISION PLAN	3-4
TOPOGRAPHIC SUBDIVISION PLAN	5-6
ROADWAY PLAN	7-8
ROADWAY PROFILE	9-10
SIGHT DISTANCE PLAN	11-12
EROSION CONTROL PLAN	13-14
CONSTRUCTION DETAILS	15-19
TEST PIT LOGS	20

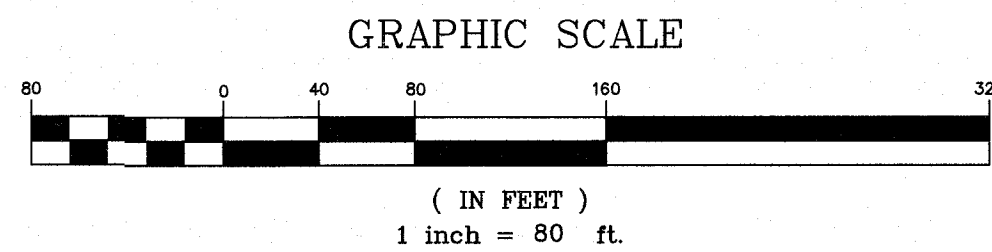


SCALE: 1" = 1,000±

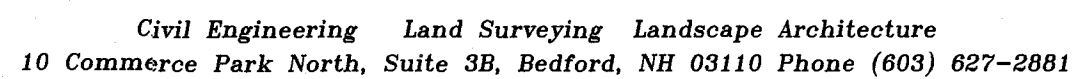
1. "PLAN OF LAND IN CHESTER N.H. PROPERTY OF EDITH C. KILLAM, PLAISTOW, N.H." SCALE: "1" = 100', AUGUST 1972, PREPARED BY ROBERT B. PARKHURST, BOXFORD, MA " R.C.R.D. PLAN C-5466.
2. "PROPOSED SUBDIVISION PLAN OF LAND ROBERT E. & BEVERLY H. ELLS, CHESTER, N.H., SCALE: AS NOTED, JUNE 29, 1977" R.C.R.D. PLAN C-7614.
3. "LOT SUBDIVISION FOR GEORGE CHASE & ADAM & DEBORAH LEWIS OF THE HOWARD J. EMERY PROPERTY, SANDOWN (RT 121-A) RD, CHESTER, ROCKINGHAM COUNTY, NEW HAMPSHIRE SCALE: "1" = 50' JUNE 1983" PREPARED BY RON NATOLI ASSOCIATES, MANCHESTER, NH R.C.R.D. PLAN D-1161.
4. "TAX MAP 5 PARCEL 92, SUBDIVISION PLAN OF LAND IN CHESTER, NH AS DRAWN FOR: NORMAN & MARILYN FAXON" SCALE: "1" = 50' DATE: 1/87, REF. #2 5/87 PREPARED BY JAMES L. LAVELE ASSOCIATES, HAMPSHED, NH R.C.R.D. PLAN D-16802.
5. "PLAN OF LOT 5-97 IN CHESTER, N.H. OWNER: HEIRS OF LESTER W. MITCHELL, DATE: JANUARY, 2003 SCALE: "1" = 100' PREPARED BY EDWARD N. HERBERT ASSOC. INC., SANDOWN, NH R.C.R.D. PLAN D-30393.
6. "MAP 55 OT 1004, BOUNDARY PLAN, ALTA'S WAY, ROUTE 121A, CHESTER, NEW HAMPSHIRE, DATE: DECEMBER 27, 2005, SCALE: "1" = 50'" PREPARED BY PROMISED LAND SURVEY, LLC, R.C.R.D. PLAN D-34394.

1. THE PURPOSE OF THIS PLAN IS DEPICTED THE EXISTING CONDITIONS OF MAP 15 LOT 18 AND MAP 5 LOT 97 AND NO OTHER PURPOSE.
2. MAP 15 LOT 18 AREA: 705,625 S.F. OR 16.20 ACRES  
MAP 5 LOT 97 AREA: 888,289 S.F. OR 20.39 ACRES
3. OWNER OF RECORD:  
LIFESTYLE HOMES OF CHESTER LLC  
3 MILES DRIVE  
DERRY, N.H. 03038  
BK: 6191 PG: 713
4. THE SUBJECT PARCEL IS LOCATED WITHIN THE RESIDENTIAL (R-1) ZONING DISTRICT AND IS SUBJECT TO THE FOLLOWING DIMENSIONAL REQUIREMENTS:

MINIMUM AREA	2.0 AC
MINIMUM FRONTAGE	290 FEET
SETBACKS:	
- FRONT	40 FT
- SIDE	25 FT
- REAR	25 FT
MAXIMUM BUILDING HEIGHT	2.5 STORIES OR 33 FT
5. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY THIS OFFICE IN FEBRUARY & MARCH OF 2021. HORIZONTAL DATUM IS NAD83.
6. EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF CHESTER, NEW HAMPSHIRE, ROCKINGHAM COUNTY, PANEL 355 OF 681, MAP NUMBER 33015C0355E, EFFECTIVE DATE MAY 17, 2009, INDICATES THAT A SMALL PORTION OF THE SUBJECT PARCEL IS LOCATED IN A DESIGNATED FLOOD ZONE.
7. ALL ABUTTERS TO THIS PROJECT ARE LOCATED WITHIN THE R1- RESIDENTIAL ZONE.



**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713



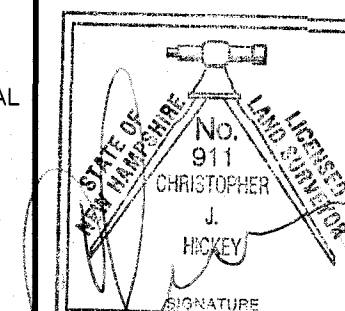
REVISIONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL

DATE: NOVEMBER 10, 2021

SCALE: 1" = 80'

PROJECT NO: 20-1221-4

**SHEET 1 OF 20**




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 FEBRUARY & MARCH OF 2021. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

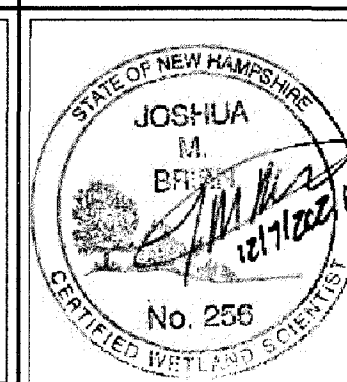
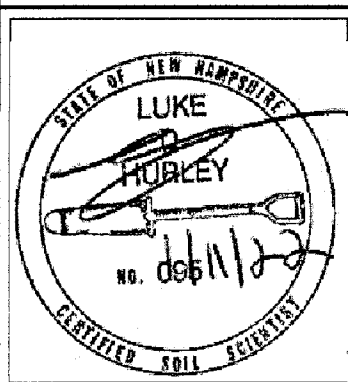
LICENSED LAND SURVEYOR

1/27/23  
DATE

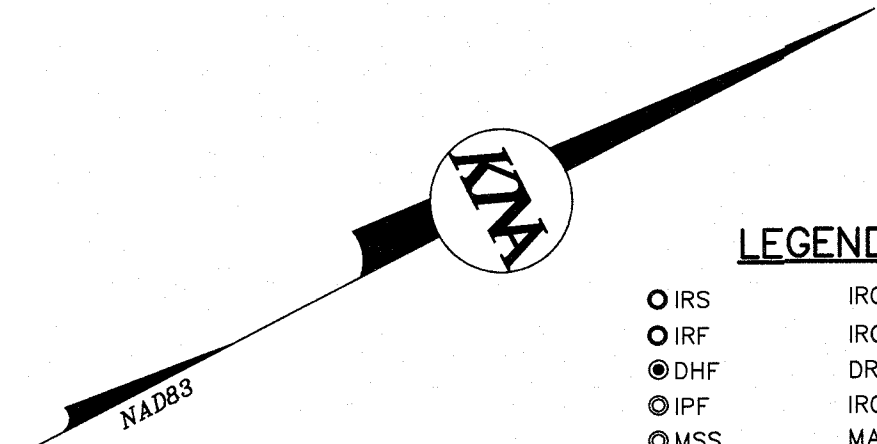
THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, INTENDED FOR INFILTRATION REQUIREMENTS BY THE NH DES ALTERATION OF TERRAIN BUREAU. IT WAS PRODUCED BY A PROFESSIONAL SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE. THERE IS A REPORT THAT ACCOMPANIES THIS MAP.



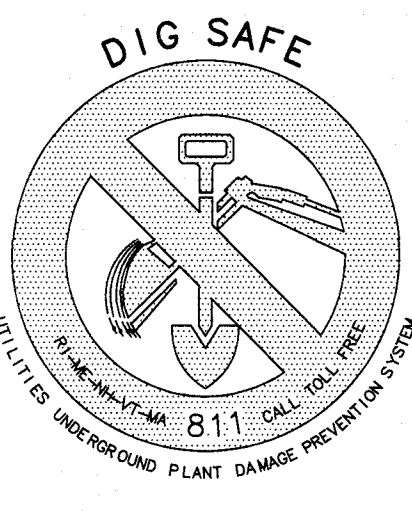
THE SITE SPECIFIC SOIL SURVEY (SSSS) WAS PRODUCED OCTOBER 28, 2021, AND WAS PREPARED BY LUKE HURLEY, CESS # 095, GOVE ENVIRONMENTAL SERVICES, INC. THE SURVEY AREA IS LOCATED AT HAVERHILL ROAD, CHESTER, NH. SOILS WERE IDENTIFIED WITH THE NEW HAMPSHIRE STATE-WIDE NUMERICAL SOIL LEGEND, USED IN DURHAM, NH, ISSUE # 10, JANUARY 2011. THE NUMERIC LEGEND WAS AMENDED TO IDENTIFY THE CORRECT SOIL COMPOSITIONS OF THE COMPLEX HYDROLOGIC SOIL GROUP FROM KSAT VALUES FOR NEW HAMPSHIRE SOILS, SOCIETY OF SOIL SCIENTISTS OF NEW ENGLAND, SPECIAL PUBLICATION NO. 5, SEPTEMBER, 2009.



JOSHUA BRIEN, CERTIFIED WETLAND SCIENTIST #256 OF  
KEACH-NORDSTROM ASSOCIATES, INC. OF BEDFORD, NH  
PERFORMED THE DELINEATION OF JURISDICTIONAL  
WETLANDS IN DECEMBER OF 2020 USING THE  
TECHNICAL CRITERIA IN THE CORPS OF ENGINEERS  
WETLAND DELINEATION MANUAL (TECHNICAL REPORT  
Y-87-1, JANUARY 1987).



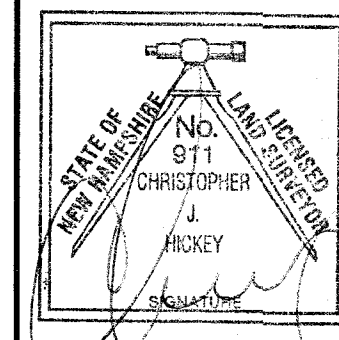
<ul style="list-style-type: none"> <li>● IRS</li> <li>○ IRF</li> <li>⊙ DHF</li> <li>● IPF</li> <li>⊙ MSS</li> </ul>	<p>IRON ROD SET</p> <p>IRON ROD FOUND</p> <p>DRILL HOLE FOUND</p> <p>IRON PIPE FOUND</p> <p>MAG SPIKE SET</p> <p>ABUTTER LINE</p> <p>PROPERTY LINE</p> <p>STREAM</p> <p>WETLAND</p>
	<p>STONEWALL</p>
	<p>APPROXIMATE 100 YEAR FLOOD</p>
	<p>WIRE FENCE</p>
	<p>TREELINE</p>
	<p>SITE SPECIFIC SOILS</p>
<p><b>440B</b></p>	<p>SOIL TYPE INDICATOR</p>
	<p>SLOPES &gt; 25%</p>

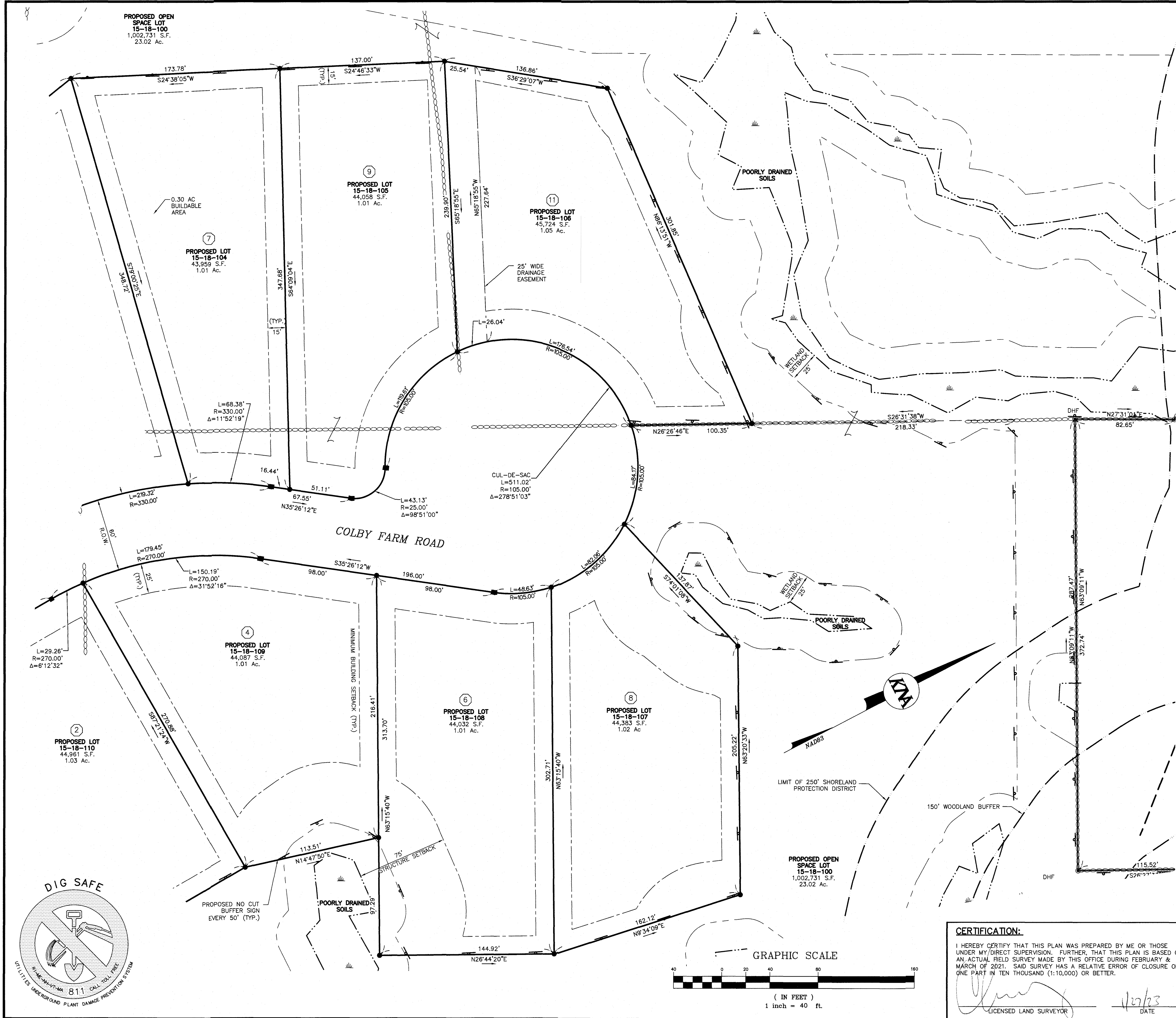












LEGEND	
○ IRF	IRON ROD FOUND
● DHF	DRILL HOLE FOUND
○ IPF	IRON PIPE FOUND
●	IRON ROD/DRILL HOLE TO BE SET
○	GRANITE BOUND TO BE SET
6	HOUSE NUMBER
⊕	STREET LIGHT
⊕	SIGN
⊕	UTILITY POLE
⊕	WELL
⊕	DRAINAGE MANHOLE
⊕	CATCH BASIN
⊕	FLARED END SECTION
---	ABUTTER LINE
---	EDGE OF GRAVEL
---	EDGE OF PAVEMENT
---	EOP
---	EASEMENT
---	PROPERTY LINE
---	R.O.W. LINE
---	SETBACK
---	10' CONTOUR
---	2' CONTOUR
---	STONEWALL
---	WIRE FENCE
---	OVERHEAD UTILITIES
---	EXISTING DRAINAGE LINE
---	TREELINE
---	WETLAND

- NOTES (CONT'D):** FROM SHEET 3
22. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, THE WETLAND BUFFER ZONE SHALL BE MARKED AT 50-FT INTERVALS WITH SIGNS APPROVED BY THE COMMUNITY DEVELOPMENT DIRECTOR.
  23. ROAD CONSTRUCTION MAY COMMENCE FOLLOWING A PRE-CONSTRUCTION CONFERENCE AND AGREEMENT BETWEEN THE TOWN ENGINEER, APPLICANT'S REPRESENTATIVE, TOWN ROAD AGENT AND ROADWAY CONTRACTOR TO SET A CONSTRUCTION AND INSPECTION SCHEDULE. PERIODIC INSPECTIONS SHALL BE UNDERTAKEN BY THE TOWN'S CONSULTING ENGINEER ACCORDING TO THE AUTHORIZATION FOR ENGINEERING CONSULTATION.
  24. ANY FIELD CHANGES FROM THE APPROVED SUBDIVISION PLAN AND/OR STORMWATER MANAGEMENT DESIGN THAT IMPACT THE DESIGN, EFFICIENCY, LOCATION OF THE STORMWATER MITIGATION STRUCTURES SHALL REQUIRE REVIEW AND APPROVAL BY THE TOWN'S ENGINEER AND PLANNING BOARD.
  25. MODIFICATIONS OF ANY STATE PERMITS IN PLACE AT THE TIME OF RECORDING OF THE PLAN SHALL BE DEEMED A SIGNIFICANT CHANGE AND SHALL REQUIRE REVIEW AND APPROVAL BY THE CHESTER PLANNING BOARD AT A PUBLIC HEARING.
  26. DEVELOPMENT, INCLUDING CONSTRUCTION, EXCAVATION, GRADING, LAND CLEARING, AND/OR BUILDING DEVELOPMENT SHALL BE LIMITED TO MONDAY THROUGH SATURDAY BETWEEN THE HOURS OF 7:00 A.M. AND 6:00 P.M. NO CONSTRUCTION ON THE FOLLOWING HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, JULY 4TH, LABOR DAY, THANKSGIVING AND CHRISTMAS.
  27. ALL CONSTRUCTION SITES SHALL BE FREE OF TRASH AND DEBRIS AT THE END OF EACH WORKDAY. ALL DUMPSTERS AND REFUSE CONTAINERS SHALL BE COVERED. FAILURE TO COMPLY MAY SUBJECT THE PROJECT TO A WORK STOPPAGE.
  28. THE DEVELOPER/OWNER SHALL MAINTAIN THE ROADWAY UNTIL SUCH TIME THE TOWN HAS ACCEPTED OWNERSHIP/RESPONSIBILITY OF THE ROAD. IN THE EVENT THE TOWN IS REQUIRED TO PERFORM MAINTENANCE ACTIVITIES, INCLUDING BUT NOT LIMITED TO, SNOW PLOWING, SWEEPING, RESTORATION, ETC., THE TOWN SHALL CHARGE THE DEVELOPER/OWNER THREE (3) TIMES THE COST TO PERFORM THE COMPLETED TASKS. THE TOWN'S PERFORMANCE OF ANY MAINTENANCE DUE TO THE DEVELOPER/OWNER'S LACK OF MAINTENANCE SHALL IN NO WAY SIGNIFY, DIRECTLY OR INDIRECTLY, THE TOWN'S ACCEPTANCE OF OWNERSHIP/RESPONSIBILITY OF THE ROADWAY.
  29. ACCEPTANCE OF COLBY FARM ROAD AS A TOWN ROAD SHALL BE SUBJECT TO THE TOWN'S ROAD ACCEPTANCE POLICY. PER THE ROAD ACCEPTANCE POLICY, FINAL AS-BUILT PLANS FOR ALL THE PHASES SHALL BE SUBMITTED AS PER THE REQUIREMENTS LISTED IN SECTION 7.15 OF THE TOWN'S SITE PLAN REVIEW REGULATIONS. THE APPLICANT SHALL PERFORM ONGOING SURVEYS THROUGHOUT THE CONSTRUCTION PROCESS TO ENSURE ALL UNDERGROUND UTILITIES ARE CORRECTLY LOCATED ON THESE AS-BUILT PLANS. FOUR (4) COPIES OF THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE TOWN.
  30. NO MATERIALS OR EQUIPMENT, EXCEPT THOSE EXPRESSLY CONNECTED WITH THE CONSTRUCTION OF THIS SUBDIVISION, SHALL BE MOVED ONTO, OR STORED AT THIS SITE. FAILURE TO COMPLY WITH THIS OR ANY OF THESE CONDITIONS MAY SUBJECT THE PROJECT TO A WORK STOPPAGE.

**ACTIVE AND SUBSTANTIAL DEVELOPMENT:**  
ACTIVE AND SUBSTANTIAL DEVELOPMENT SHALL BE DEEMED TO HAVE OCCURRED WHEN THE ROADWAY SHOWN ON THE PLAN HAS BEEN CONSTRUCTED TO FINISH GRADE WITHIN 24 MONTHS AFTER THE DATE OF APPROVAL AND HAS BEEN DETERMINED BY THE CHESTER PLANNING BOARD OR THEIR DESIGNEE TO COMPLY WITH THE APPROVED SUBDIVISION PLAN, AND SATISFACTORY FINANCIAL GUARANTEES REMAIN ON DEPOSIT WITH THE TOWN TO INSURE COMPLETION OF THE REMAINING IMPROVEMENTS.

**SUBSTANTIAL COMPLETION:**  
SUBSTANTIAL COMPLETION OF THE IMPROVEMENTS AS SHOWN ON THE SUBDIVISION PLAN OR VESTING SHALL BE DEEMED TO HAVE OCCURRED WHEN THE ROADWAY SHOWN ON THE PLAN HAS BEEN CONSTRUCTED UP TO AND INCLUDING THE BINDER COURSE OF HOT BITUMINOUS PAVEMENT, ALL UTILITIES HAVE BEEN INSTALLED IN UNDERGROUND CONDUIT READY FOR CONNECTION TO THE PROPOSED STRUCTURES, ALL ON-SITE DRAINAGE IMPROVEMENTS HAVE BEEN COMPLETED, AND ALL OTHER ON-SITE AND/OR OFF-SITE IMPROVEMENTS HAS BEEN COMPLETED WITH THE EXCEPTION OF THE HOT BITUMINOUS WEARING COURSE, SHOULDER LEVELING, FINISH GRADING AND LOAMING AND SEEDING. THE CHESTER PLANNING BOARD OR THEIR DESIGNEE SHALL MAKE THE FINAL DETERMINATION WHETHER VESTING HAS BEEN ACHIEVED. SATISFACTORY FINANCIAL GUARANTEES SHALL REMAIN ON DEPOSIT WITH THE TOWN TO INSURE COMPLETION OF THE REMAINING IMPROVEMENTS.

APPROVED BY THE CHESTER PLANNING BOARD ON: \_\_\_\_\_

CERTIFIED BY: \_\_\_\_\_

CHAIR: \_\_\_\_\_

COORDINATOR: \_\_\_\_\_

**RESIDENTIAL SUBDIVISION PLAN**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL

DATE: NOVEMBER 10, 2021 SCALE: 1" = 40'

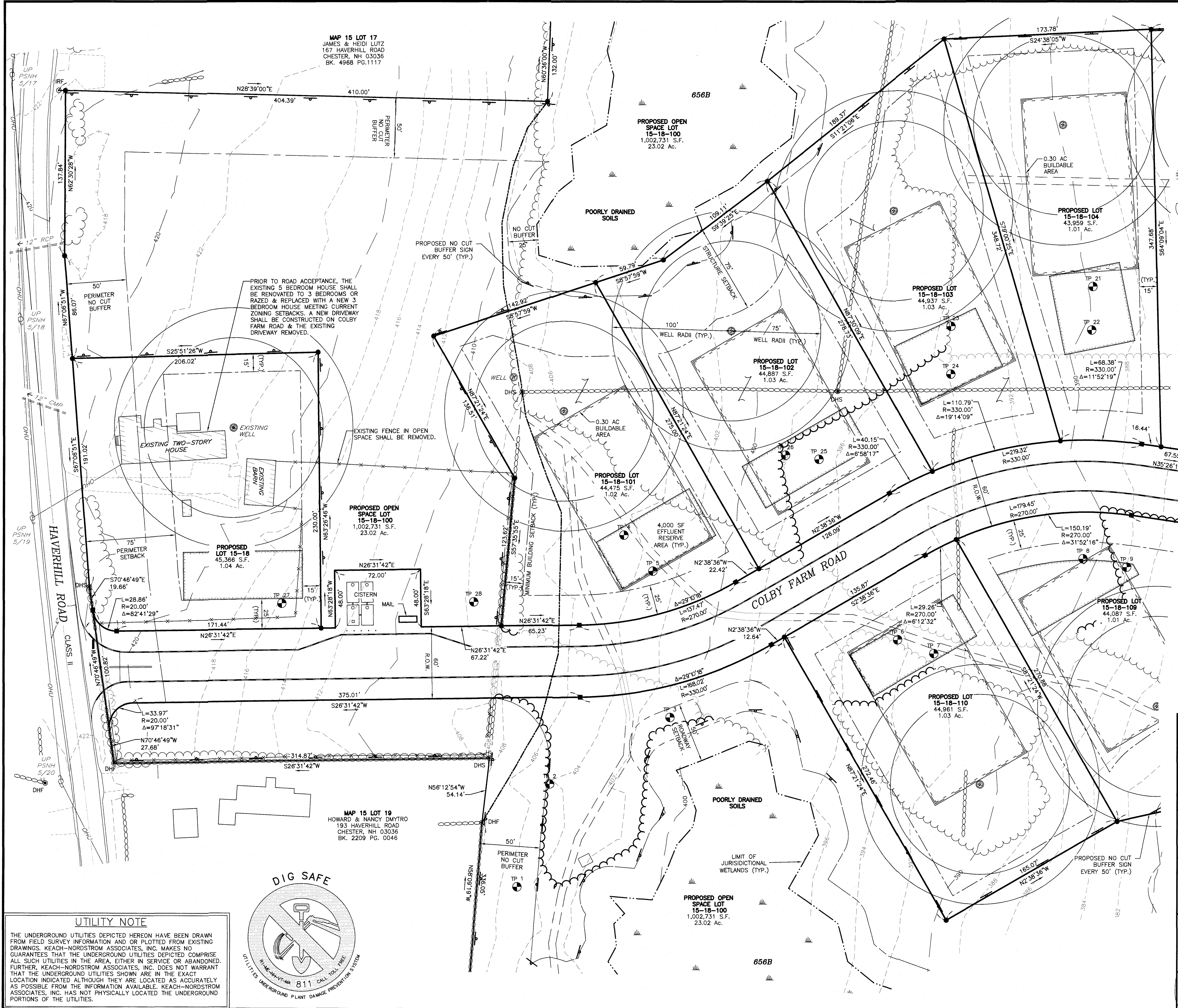
PROJECT NO: 20-1221-4 SHEET 4 OF 20

**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 FEBRUARY & MARCH OF 2021. SAID SURVEY HAS A RELATIVE ERROR OF CLOSURE OF ONE PART IN TEN THOUSAND (1:10,000) OR BETTER.

*[Signature]*  
LICENSED LAND SURVEYOR

1/27/23  
DATE



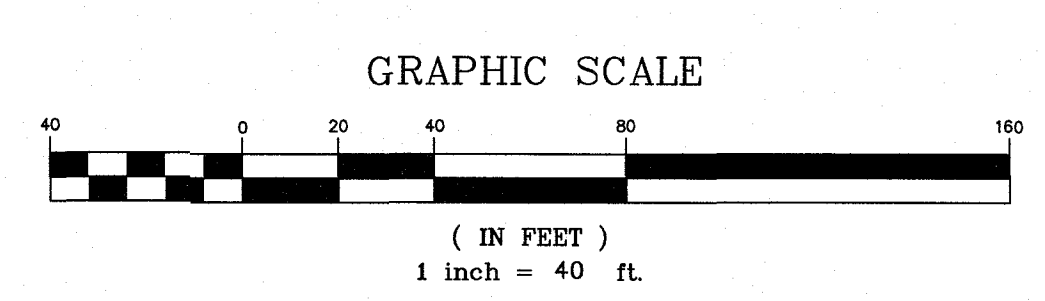


**LEGEND**

○ IRS	IRON ROD SET	---	ABUTTER LINE
● IRF	IRON ROD FOUND	---	EDGE OF GRAVEL
○ DHF	DRILL HOLE FOUND	---	EDGE OF PAVEMENT
○ IPF	IRON PIPE FOUND	---	EASEMENT
○	IRON ROD/DRILL HOLE TO BE SET	---	PROPERTY LINE
○	GRANITE BOUND TO BE SET	---	R.O.W. LINE
○	HOUSE NUMBER	---	SETBACK
○	STREET LIGHT	---	10' CONTOUR
○	SIGN	---	2' CONTOUR
○	UTILITY POLE	---	STONEWALL
○	WELL	---	WIRE FENCE
○	DRAINAGE MANHOLE	---	SOIL LINE
○	CATCH BASIN	---	GUARDRAIL
○	FLARED END SECTION	---	OVERHEAD UTILITIES
○	TEST PIT	---	UNDERGROUND UTILITIES
○	DECIDUOUS TREE	---	EXISTING DRAINAGE LINE
○	CONIFEROUS TREE	---	PROPOSED DRAINAGE LINE
○	SOILS TYPE INDICATOR	---	TREELINE
		---	PROPOSED TREELINE
		---	PROPOSED 2' CONTOUR
		---	PROP. EDGE OF PAVEMENT
		---	PROP. SLOPED GRANITE CURB
		---	WETLAND
		---	SLOPES > 25%

**SEPTIC SETBACKS:**

FRONT LOT LINE	40 FT
SIDE LOT LINE	15 FT
REAR LOT LINE	15 FT
WELL	100 FT
WETLANDS	75 FT



**TOPOGRAPHIC SUBDIVISION PLAN**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL

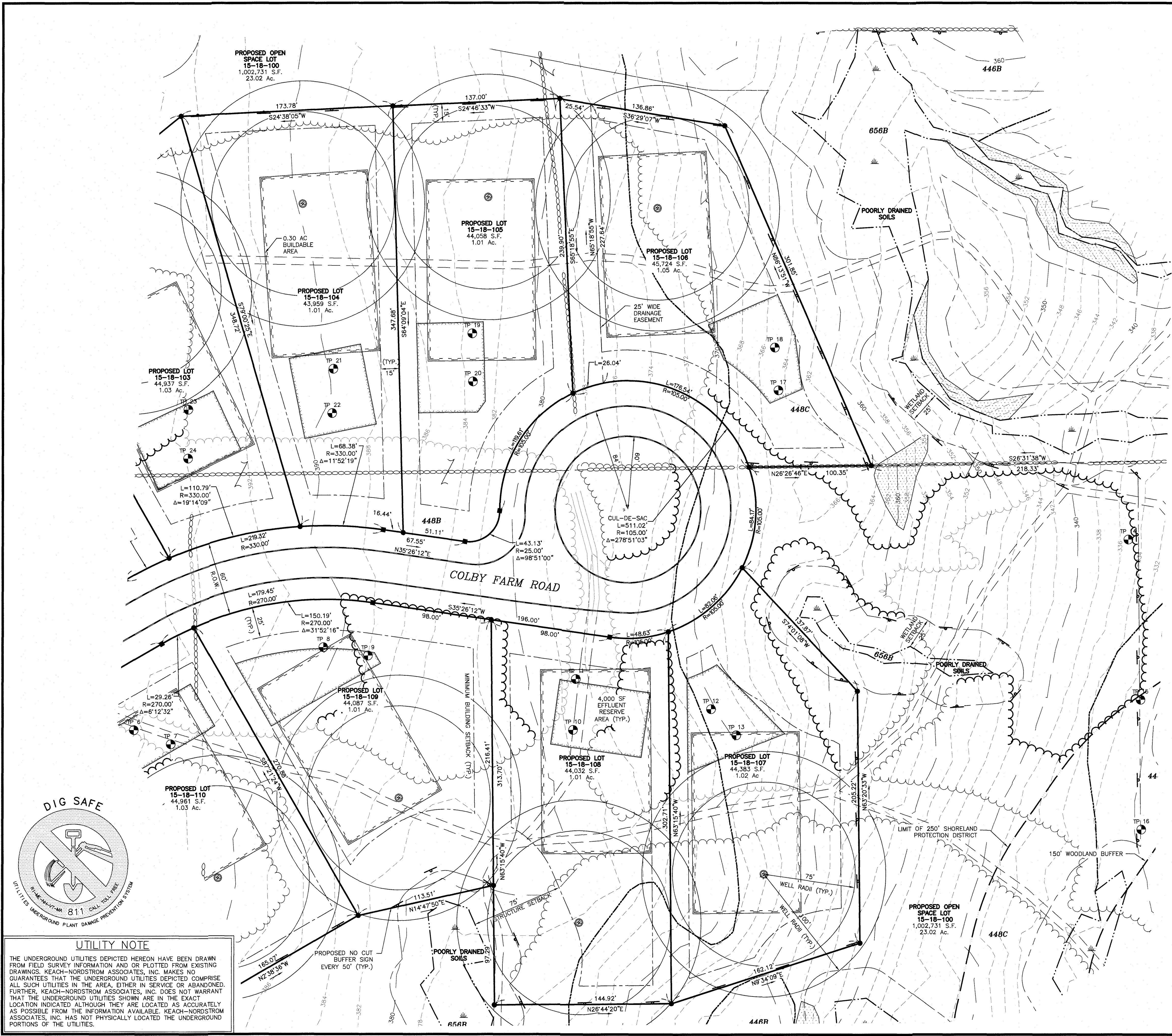
DATE: NOVEMBER 10, 2021 SCALE: 1" = 40'  
PROJECT NO: 20-1221-4 SHEET 5 OF 20

**UTILITY NOTE**

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

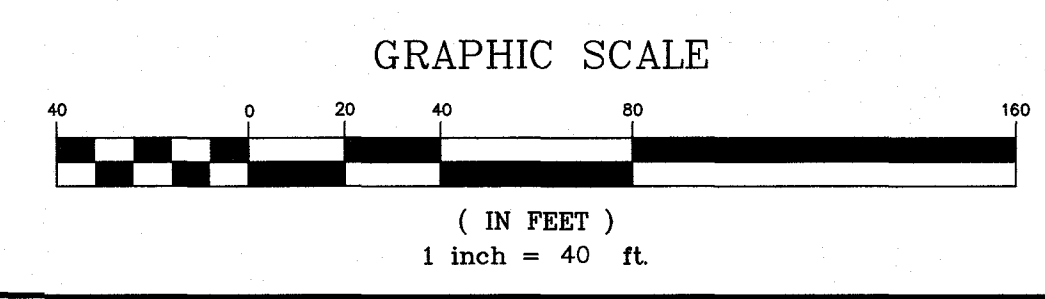
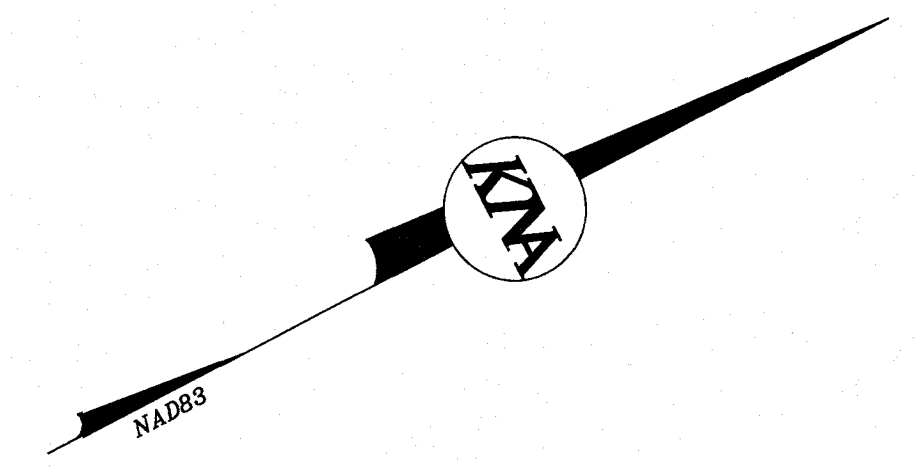






**LEGEND**

○ IRS	IRON ROD SET	---	ABUTTER LINE
○ IRF	IRON ROD FOUND	---	EDGE OF GRAVEL
○ DHF	DRILL HOLE FOUND	---	EDGE OF PAVEMENT
○ IPF	IRON PIPE FOUND	---	EASEMENT
○	IRON ROD/DRILL HOLE TO BE SET	---	PROPERTY LINE
○	GRANITE BOUND TO BE SET	---	R.O.W. LINE
○	HOUSE NUMBER	---	SETBACK
○	STREET LIGHT	---	10' CONTOUR
○	SIGN	---	2' CONTOUR
○	UTILITY POLE	---	STONEWALL
○	WELL	---	SOIL LINE
○	DRAINAGE MANHOLE	---	GUARDRAIL
○	CATCH BASIN	---	OVERHEAD UTILITIES
○	FLARED END SECTION	---	UNDERGROUND UTILITIES
○	TEST PIT	---	EXISTING DRAINAGE LINE
○	DECIDUOUS TREE	---	PROPOSED DRAINAGE LINE
○	CONIFEROUS TREE	---	TREELINE
○	SOILS TYPE INDICATOR	---	PROPOSED 2' CONTOUR
		---	PROP. EDGE OF PAVEMENT
		---	PROP. SLOPED GRANITE CURB
		---	WETLAND
		---	SLOPES > 25%



**TOPOGRAPHIC SUBDIVISION PLAN**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL

DATE: NOVEMBER 10, 2021  
PROJECT NO: 20-1221-4  
SCALE: 1" = 40'  
SHEET 6 OF 20



**UTILITY NOTE**

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



**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 CHESTER, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND

NOTICE  
NOT A TOWN ROAD.  
MAINTENANCE IS THE  
RESPONSIBILITY OF THE  
DEVELOPER OR ADJUTERS.  
PASS AT YOUR OWN RISK.

DURING CONSTRUCTION A  
SIGN SHALL BE PLACED AT  
THE ENTRANCE STATING THE  
FOLLOWING:

EXISTING DRIVEWAY  
TO BE REMOVED &  
REPLACED WITH LOAM  
& SEED

PROPOSED DRIVEWAY

PROPOSED R1-1 STOP  
SIGN AND ROAD NAME  
SIGN

PROPOSED 18" STOP  
BAR (THERMOPLASTIC)

50 LF. 4" DOUBLE  
YELLOW LINE  
(THERMOPLASTIC)

PROPOSED INFILTRATION POND  
BOTTOM ELEV.= 408.75  
BOTTOM AREA= 1,340 SF

PROPOSED 30,000  
GALLON CISTERN,  
SEE DETAIL

PROPOSED AD#251  
3+34.45.23'L  
RIM=409.40

MAIL BOX  
UNIT  
18" HDPE

PROPOSED CB#24  
4+08.11.00'L  
RIM=405.95

PROPOSED CB#25  
3+41.11.00'L  
RIM=408.64

PROPOSED CB#27  
1+90.11.00'R  
RIM=415.75

PROPOSED CB#23  
4+08.11.00'R  
RIM=405.95

PROPOSED HW#22  
4+19.57.7'R  
INV.OUT=400.00

PROPOSED SEDIMENT FOREBAY  
BOTTOM ELEV.= 398.00  
BOTTOM AREA= 47 SF  
3:1 SIDE SLOPES  
TOP OF BERM ELEV.= 400.00  
TOP OF BERM WIDTH= 2'

PROPOSED TREATMENT SWALE  
100' LONG, 8' WIDE  
DEPTH= 1', 3:1 SIDE SLOPES  
INV IN= 399.00, INV OUT= 398.00  
S= 0.010

PROPOSED POCKET POND #1  
BOTTOM ELEV.= 396.00  
BOTTOM AREA= 146 SF  
3:1 SIDE SLOPES  
TOP OF BERM ELEV.= 403.00  
TOP OF BERM WIDTH= 8'

PROPOSED HW#20  
4+74.46.6'R  
INV.OUT=399.25

PROPOSED HW#21  
4+56.53.8'R  
INV.IN=399.50

PROPOSED DCB#166  
5+52.11.01'L  
RIM=400.37

PROPOSED DCB#155  
8+15.10.98'L  
RIM=392.91

PROPOSED DCB#15  
9+44.11.00'L  
RIM=387.41

PROPOSED DCB#16  
6+94.11.00'L  
RIM=395.37

PROPOSED CB#17  
6+94.11.00'R  
RIM=395.37

PROPOSED CB#151  
9+44.11.00'R  
RIM=387.41

PROPOSED TRANSFORMER  
(TYP)

PROPOSED UNDERGROUND  
UTILITY (TYP)

TOP OF SPIKE  
ELEV.= 400.18

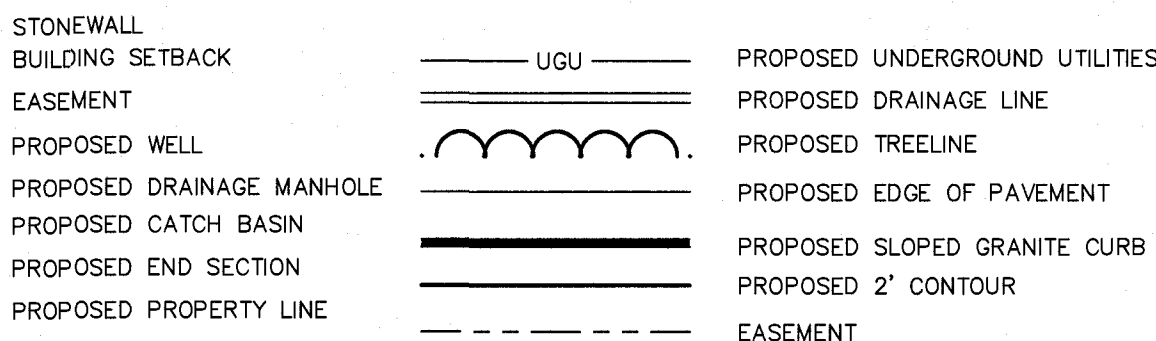
TOP OF SPIKE  
ELEV.= 384.79

GRAPHIC SCALE  
1 inch = 40 ft

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED ROADWAY DESIGN, GRADING, AND UTILITIES FOR THIS SITE.
2. ALL UTILITIES SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF CHESTER, 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, STANDARD SPECIFICATIONS FOR THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, ADOPTED 2016 ARE HEREBY INCORPORATED BY REFERENCE.
3. CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS. ALL DRAINAGE PIPES SHOWN SHALL BE HDPE. CATCH BASINS SHALL BE TYPE B, AND HAVE 3' SUMPS UNLESS OTHERWISE NOTED.
4. 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.
5. ALL DRAINAGE PIPE SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. ALL DRAINAGE STRUCTURE RIM ELEVATIONS ARE APPROXIMATE, ALL RIMS SHALL BE SET FLUSH WITH FINISHED GRADE.
7. NO LOT CONSTRUCTION SHALL COMMENCE UNTIL THE ROADWAY & DRAINAGE AREAS ARE STABLE.

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

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.



No.	DATE	DESCRIPTION	B
2	05-18-2022	REVISED TOWN COMMENTS	SC
3	07-06-2022	REVISED D&K COMMENTS	JI
4	07-26-2022	REVISED D&K COMMENTS	JI
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JI
6	08-24-2022	REVISED BERM AND SHORELAND	JI
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JI

DATE: NOVEMBER 10, 2021

SCALE: 1" = 40

PROJECT NO: 20-1221-

SHEET 7 OF 20



LOAM & SEED ALL  
DISTURBED AREAS (TYP.)

KMA

NAD83

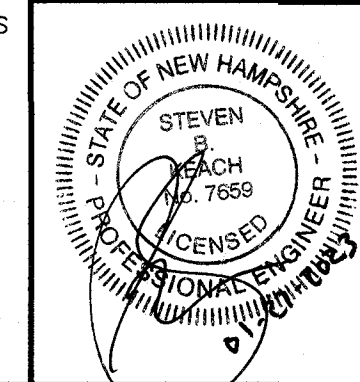
EXETER RIVER

LIMIT OF FLOODING  
DUE TO BEAVER  
ACTIVITY

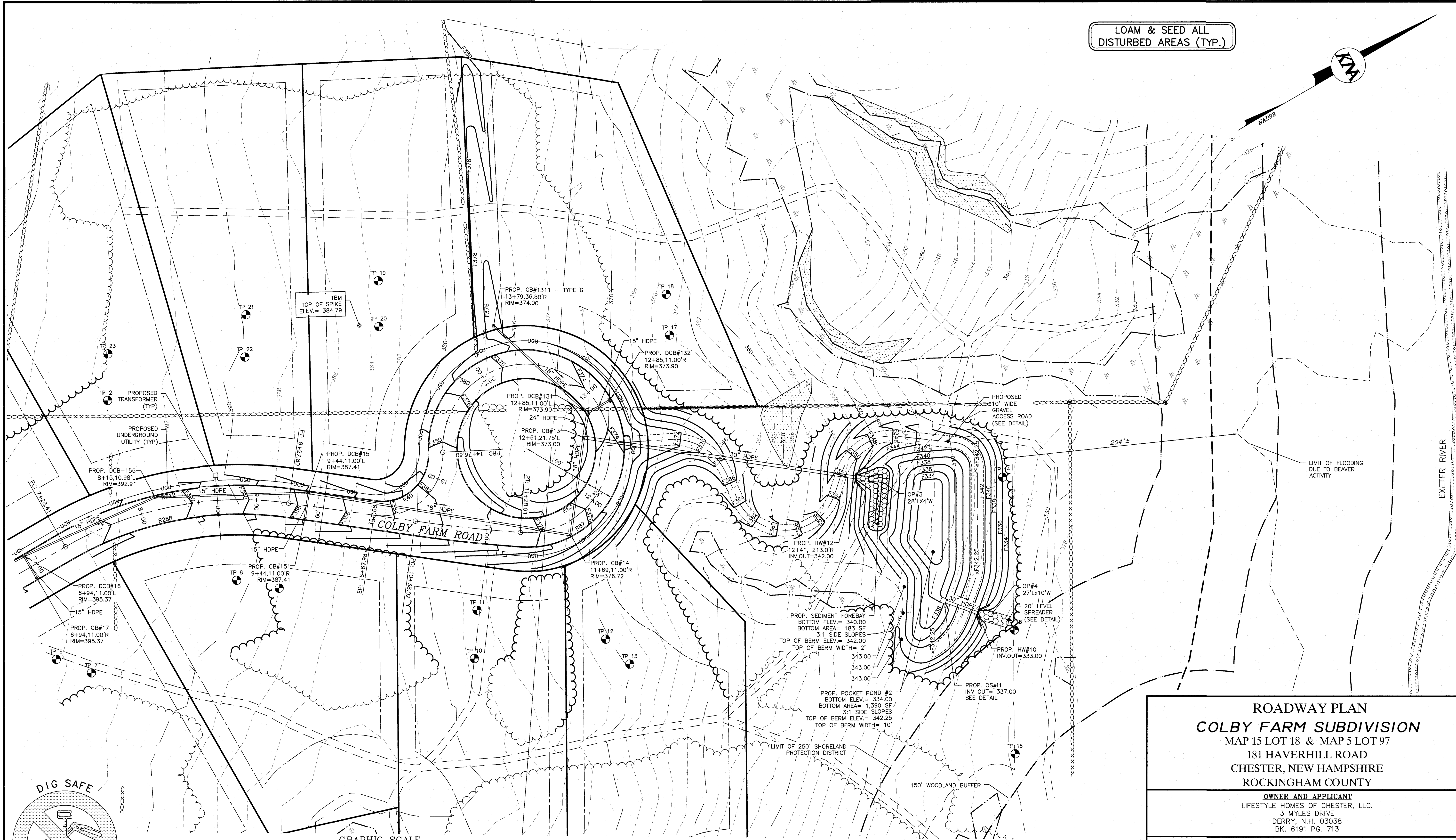
ROADWAY PLAN  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021			SCALE: 1" = 40'
PROJECT NO: 20-1221-4			SHEET 8 OF 20



GRAPHIC SCALE



( IN FEET )  
1 inch = 40 ft.

**LEGEND**

- |        |                      |                    |                           |                                |
|--------|----------------------|--------------------|---------------------------|--------------------------------|
| GB-F   | GRANITE BOUND FOUND  | ABUTTER LINE       | STONEWALL                 | PROPOSED UNDERGROUND UTILITIES |
| IPIN-F | IRON PIN FOUND       | PROPERTY LINE      | BUILDING SETBACK          | PROPOSED DRAINAGE LINE         |
| DH-F   | DRILL HOLE FOUND     |                    | EASEMENT                  | PROPOSED TREELINE              |
| IPP-F  | IRON PIPE FOUND      |                    | PROPOSED WELL             | PROPOSED EDGE OF PAVEMENT      |
| ARRS-F | RAILROAD SPIKE FOUND |                    | PROPOSED DRAINAGE MANHOLE | PROPOSED SLOPED GRANITE CURB   |
| UT     | UTILITY POLE         |                    | PROPOSED CATCH BASIN      | PROPOSED 2' CONTOUR            |
| UT     | SIGN                 |                    | PROPOSED END SECTION      | EASEMENT                       |
| UT     | WELL                 |                    | PROPOSED PROPERTY LINE    |                                |
| UT     | DRAINAGE MANHOLE     |                    |                           |                                |
| UT     | CATCH BASIN          |                    |                           |                                |
|        |                      | WETLAND            |                           |                                |
|        |                      | OVERHEAD UTILITIES |                           |                                |
|        |                      | DRAINAGE LINE      |                           |                                |
|        |                      | TREELINE           |                           |                                |
|        |                      | 10' CONTOUR        |                           |                                |
|        |                      | 2' CONTOUR         |                           |                                |

**NPDES NOTE**

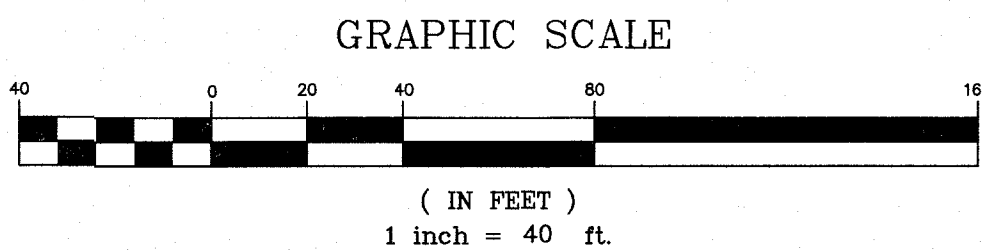
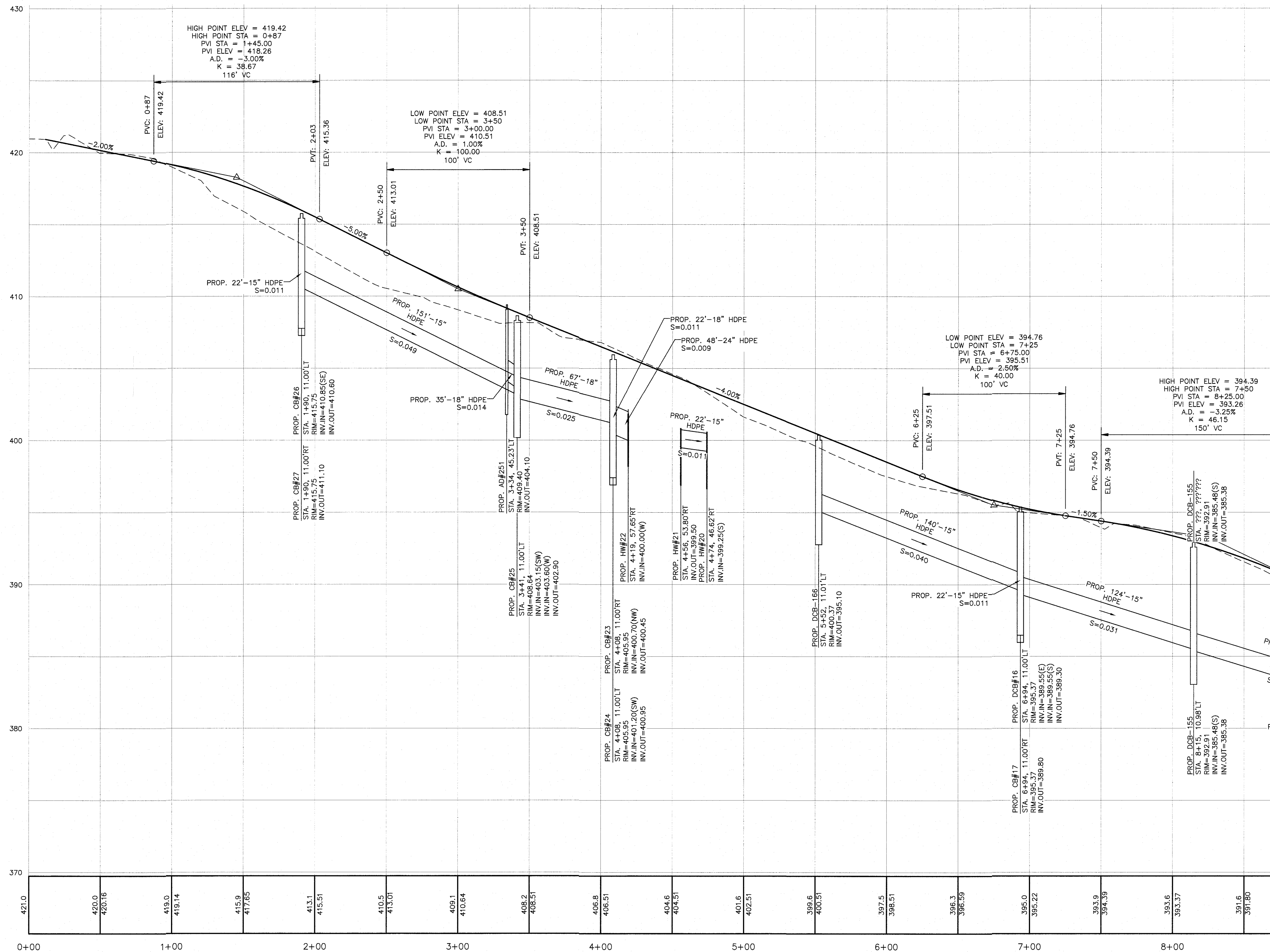
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO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

**UTILITY NOTE**

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



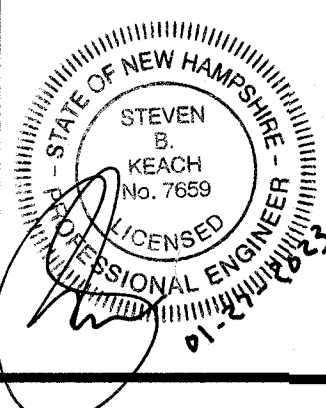




**ROADWAY PROFILE**  
**COLBY FARM SUBDIVISION**  
 MAP 15 LOT 18 & MAP 5 LOT 97  
 181 HAVERHILL ROAD  
 CHESTER, NEW HAMPSHIRE  
 ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
 LIFESTYLE HOMES OF CHESTER, LLC.  
 3 MYLES DRIVE  
 DERRY, N.H. 03038  
 BK. 6191 PG. 713

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

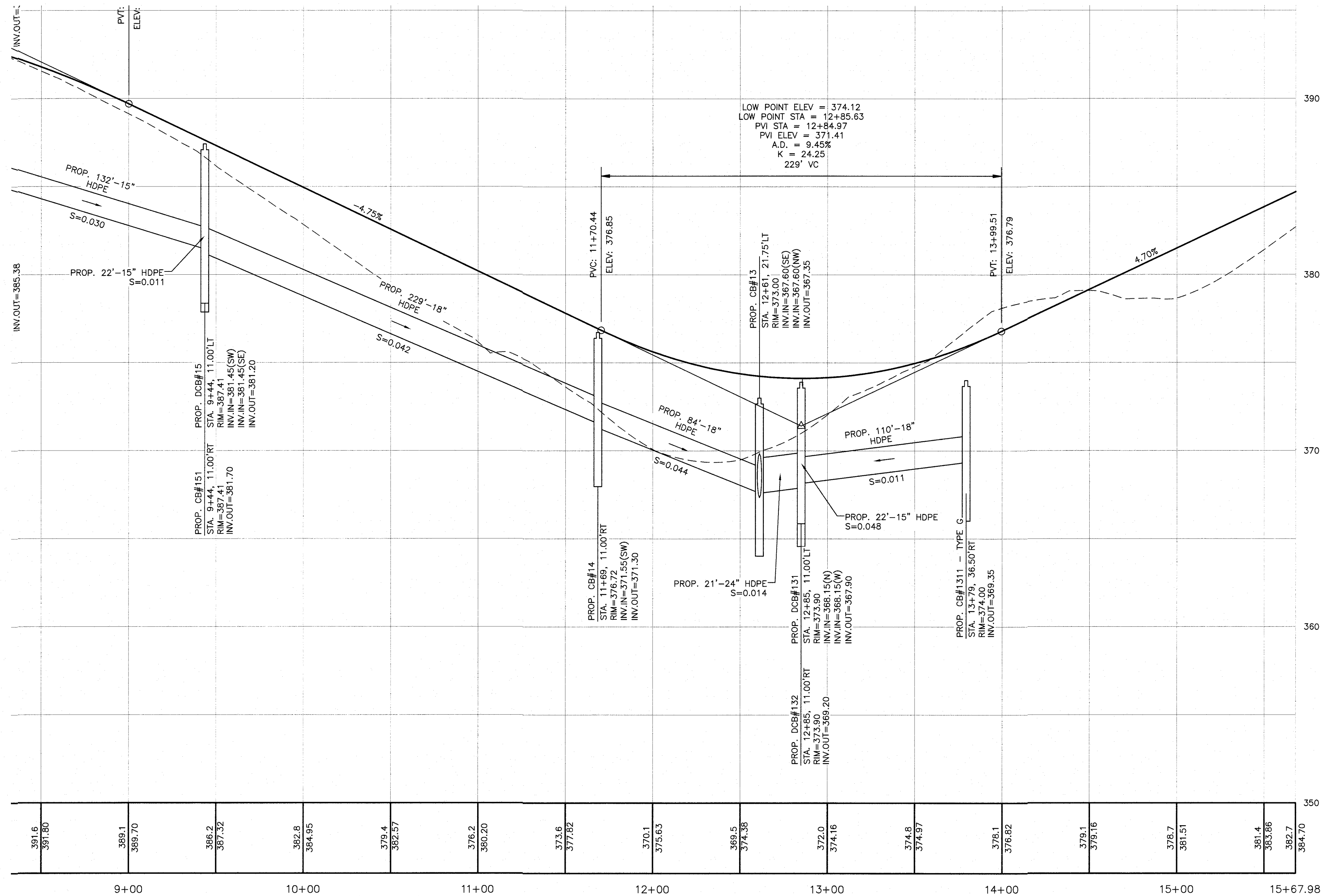


REVISIONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHOULDER	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: 1" = 40'	
PROJECT NO: 20-1221-4		SHEET 9 OF 20	

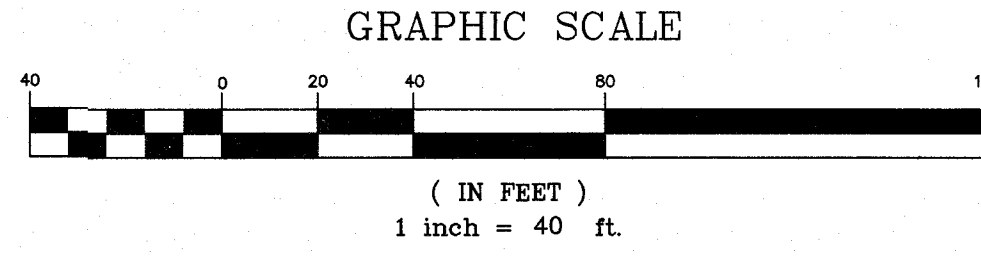


**ROADWAY PROFILE**  
 SCALE: 1" = 40'(HORIZ.)  
 1" = 4'(VERT.)





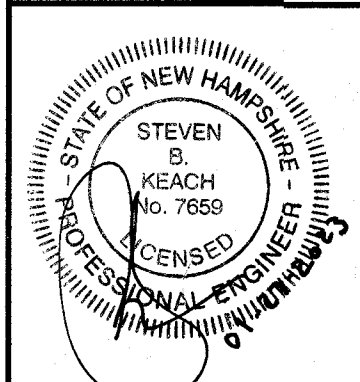
ROADWAY PROFILE  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



ROADWAY PROFILE  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

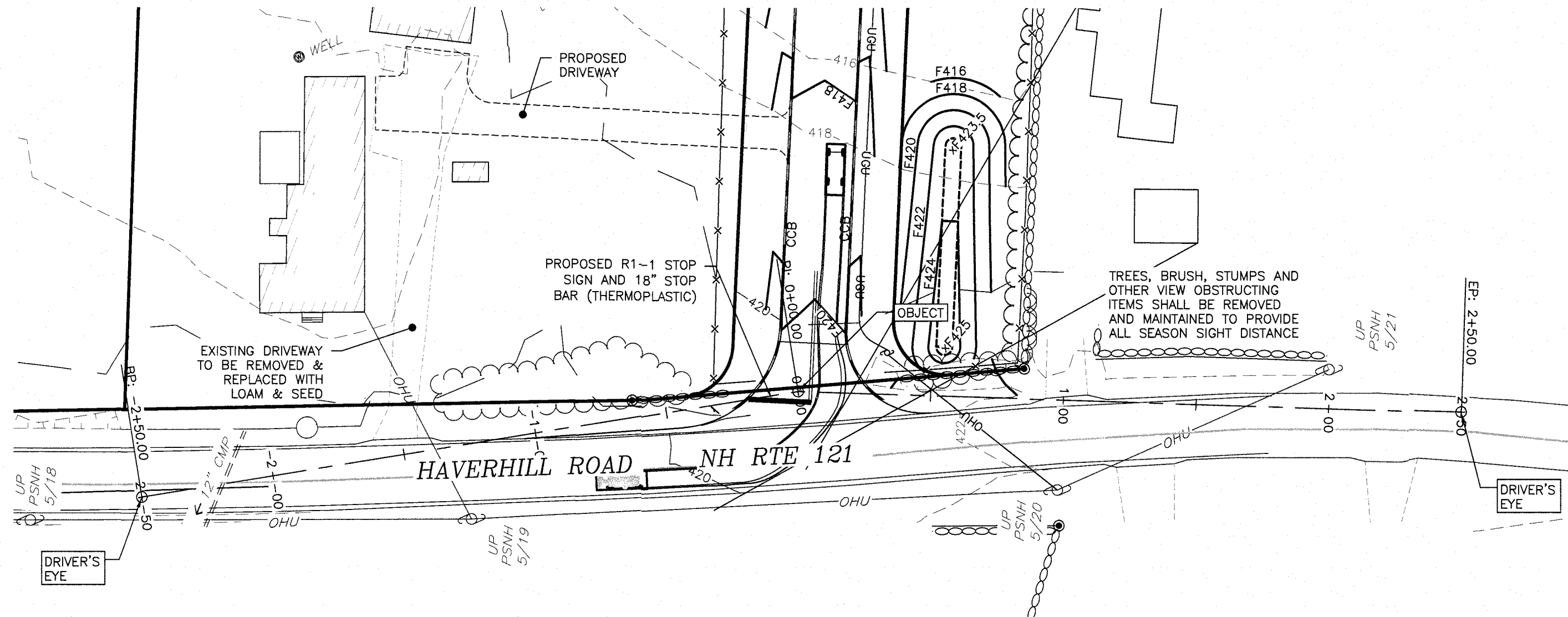
OWNER AND APPLICANT  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

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

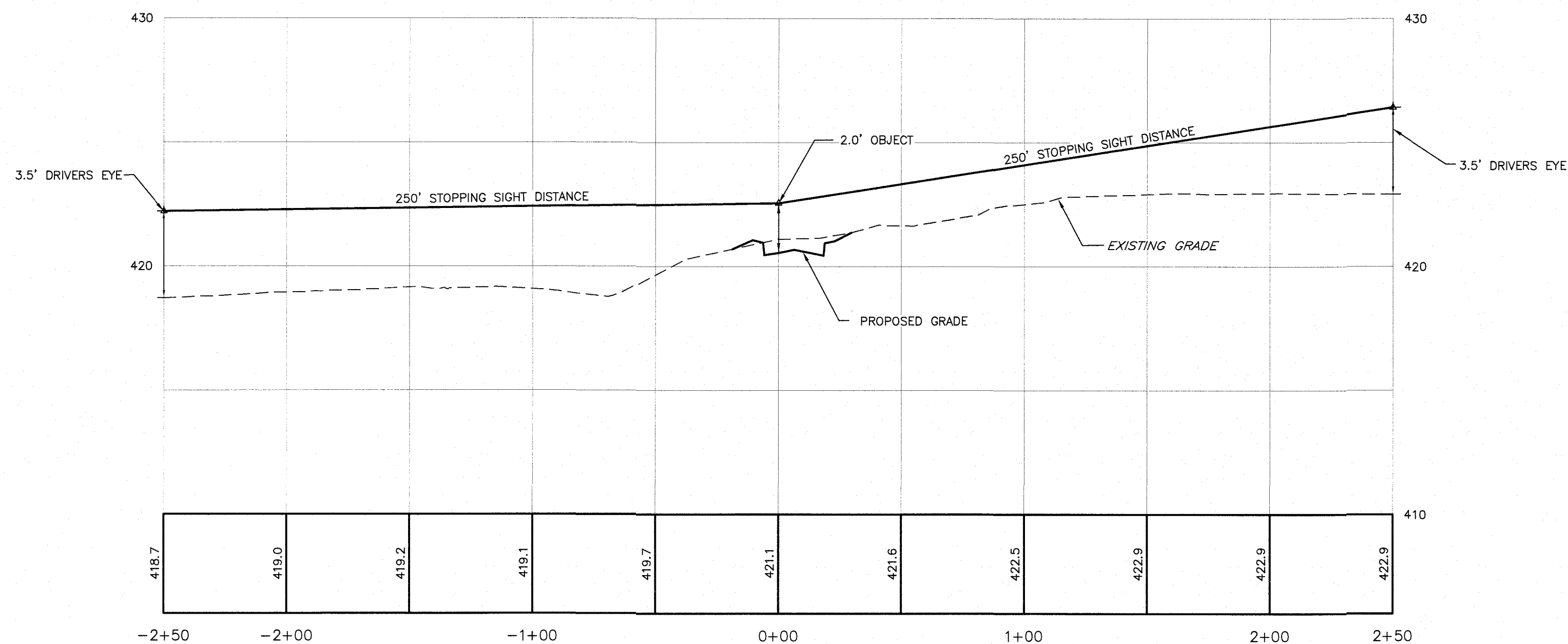


REVISIONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: 1" = 40'	
PROJECT NO: 20-1221-4		SHEET 10 OF 20	

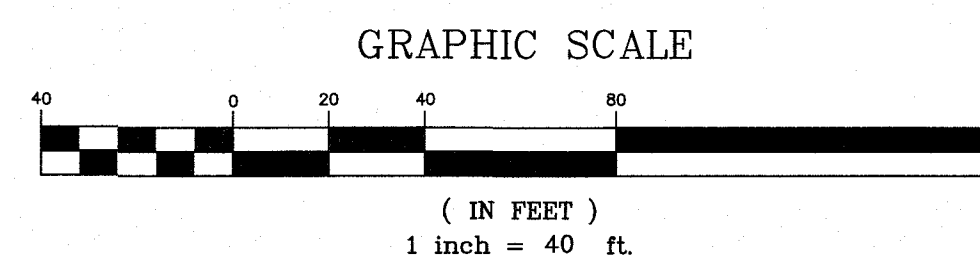
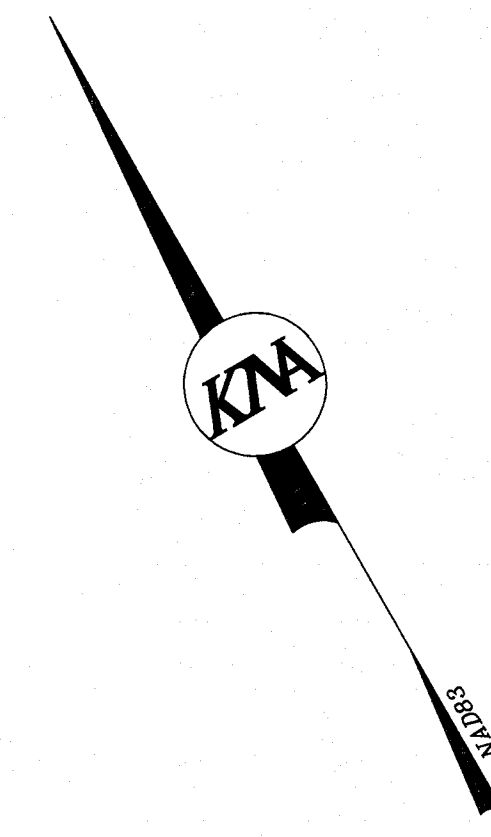




**SIGHT DISTANCE PLAN**  
SCALE: 1" = 40'



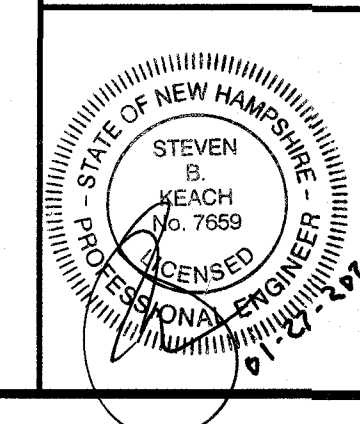
**STOPPING SIGHT DISTANCE PROFILE**  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



**STOPPING SIGHT DISTANCE PLAN**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

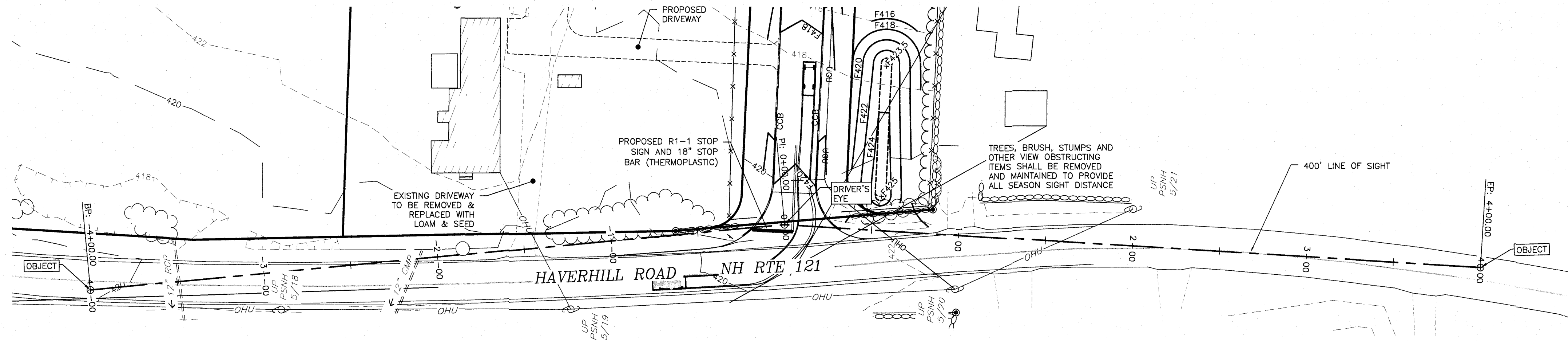
**KMA** KEACH-NORDSTROM ASSOCIATES, INC.  
Civil Engineering Land Surveying Landscape Architecture  
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



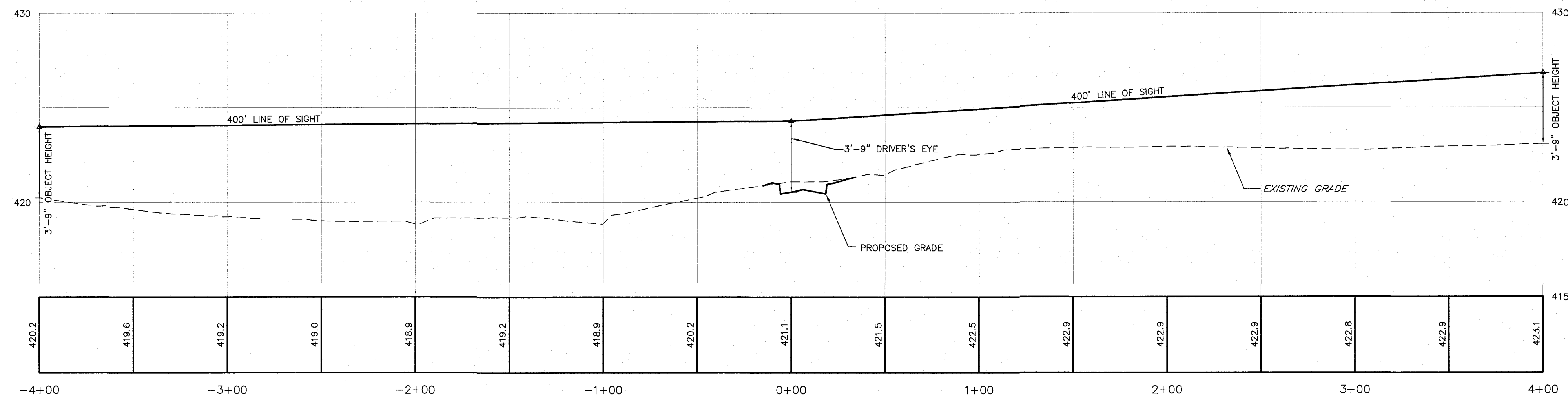
REVISIONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: 1" = 40'	
PROJECT NO: 20-1221-4		SHEET 11 OF 20	



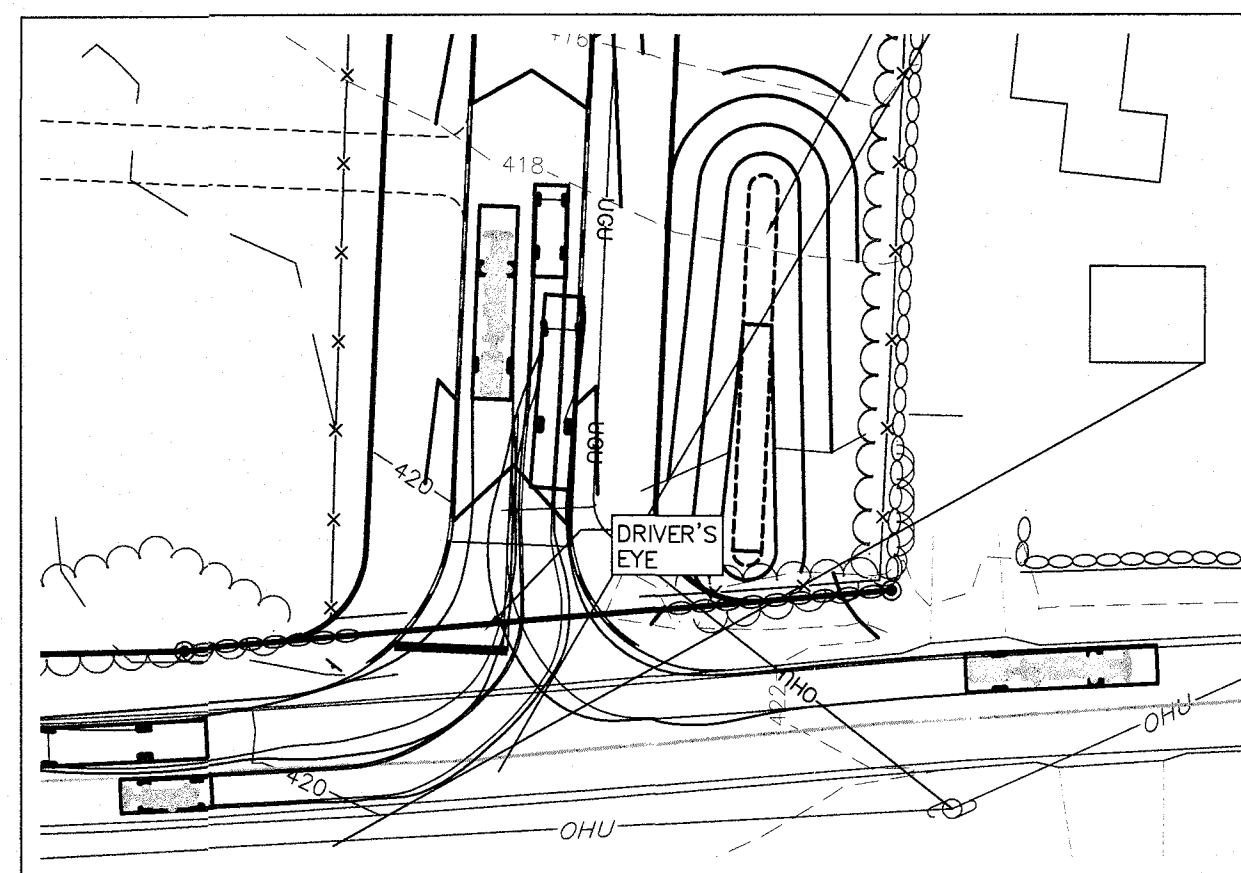




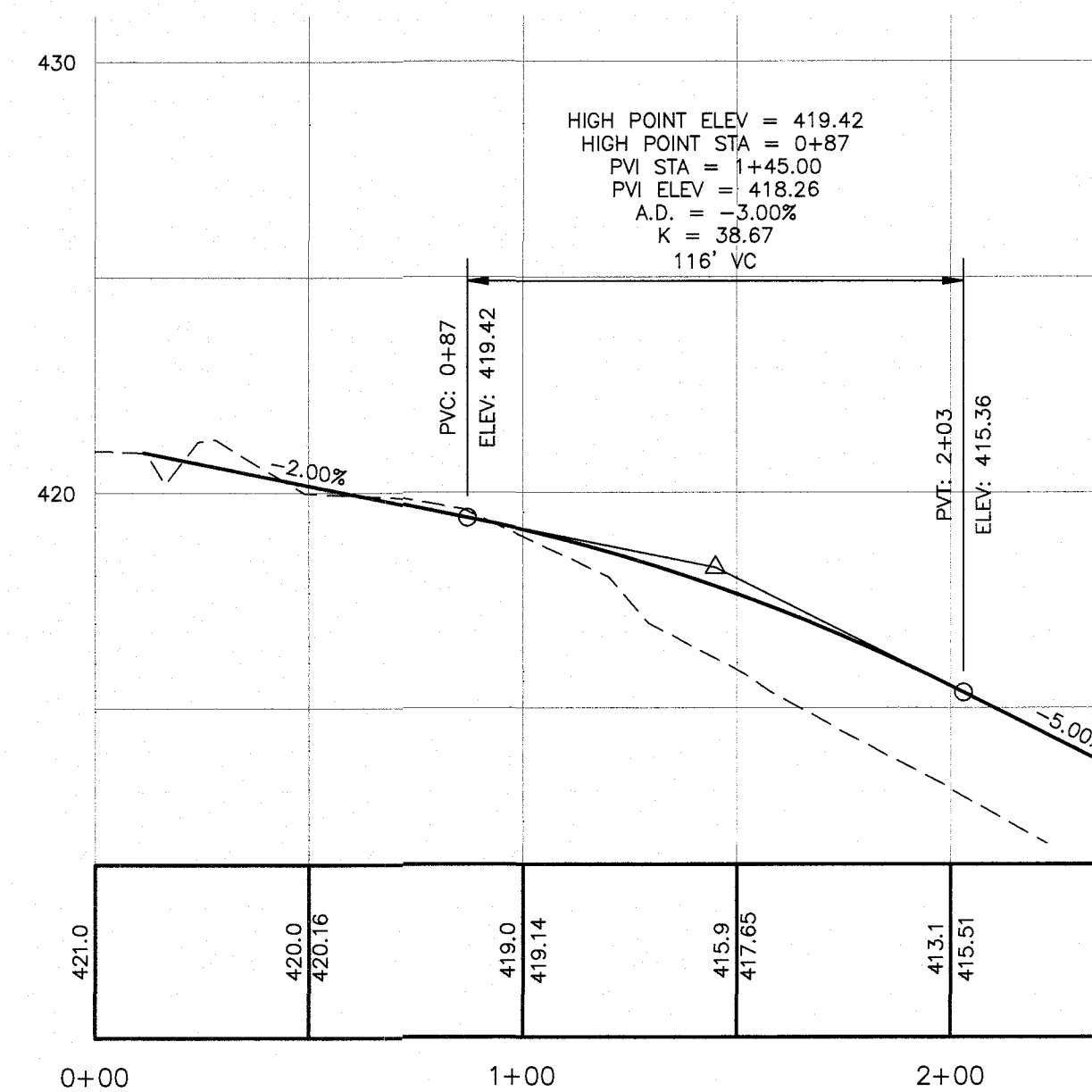
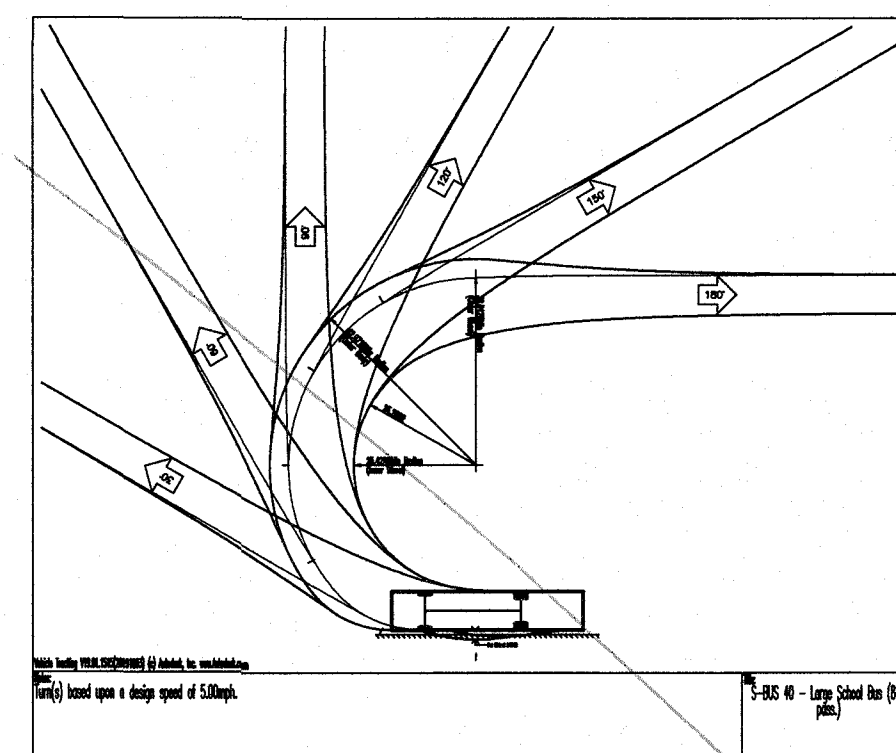
SIGHT DISTANCE PLAN  
SCALE: 1" = 40'



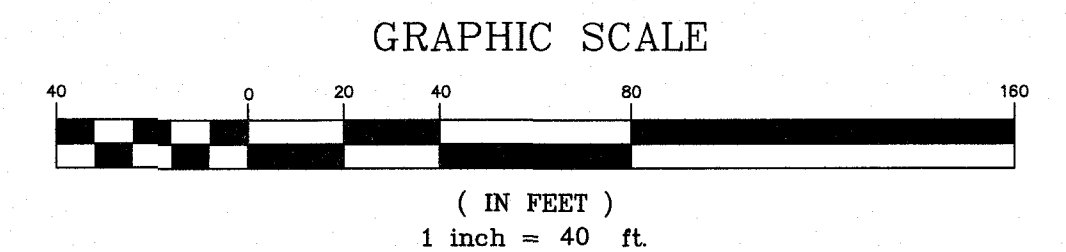
SIGHT DISTANCE PROFILE  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



SCALE: 1" = 40'



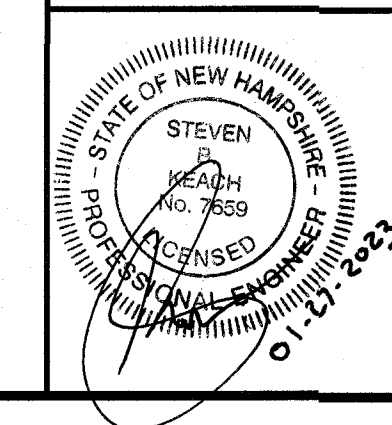
ROAD PROFILE  
SCALE: 1" = 40'(HORIZ.)  
1" = 4'(VERT.)



SIGHT DISTANCE PLAN  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

OWNER AND APPLICANT  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

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

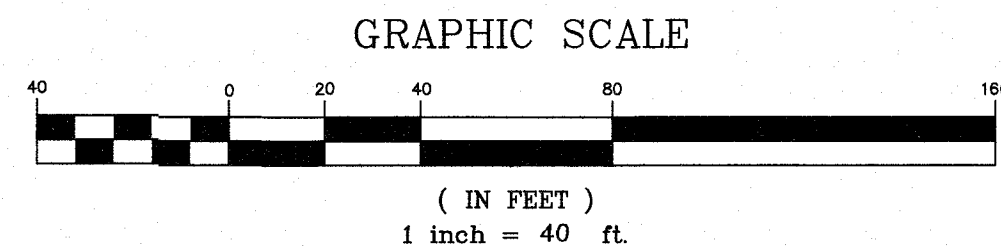
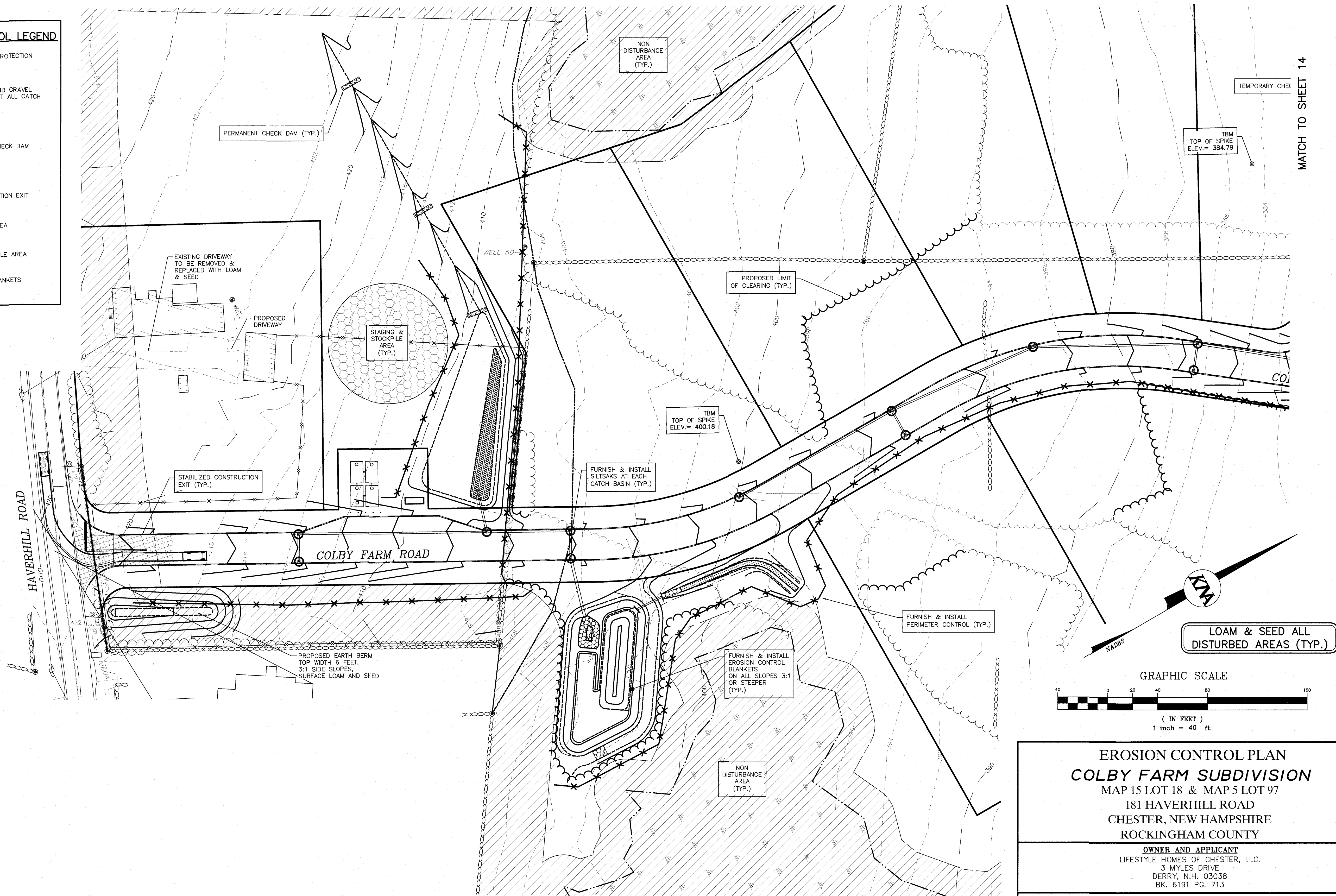


REVISIONS		
No.	DATE	DESCRIPTION
2	05-18-2022	REVISED TOWN COMMENTS
3	07-06-2022	REVISED D&K COMMENTS
4	07-26-2022	REVISED D&K COMMENTS
5	08-01-2022	REVISED TOWN PLANNER COMMENTS
6	08-24-2022	REVISED BERM AND SHORELAND
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT
DATE: NOVEMBER 10, 2021		SCALE: 1" = 40'
PROJECT NO: 20-1221-4		SHEET 12 OF 20



**EROSION & SEDIMENT CONTROL LEGEND**

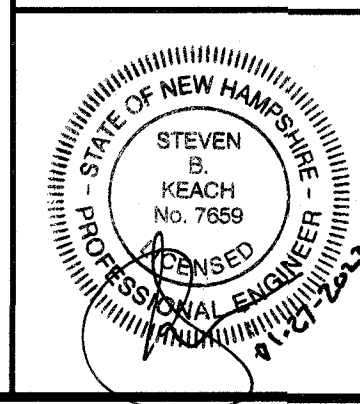
- PERMANENT OUTLET PROTECTION APRON (RIP RAP)
- TEMPORARY BLOCK AND GRAVEL SEDIMENT BARRIERS AT ALL CATCH BASINS
- PERIMETER CONTROL
- TEMPORARY STONE CHECK DAM
- LIMITS OF CLEARING
- STABILIZED CONSTRUCTION EXIT
- NON DISTURBANCE AREA
- STAGING AND STOCKPILE AREA
- EROSION CONTROL BLANKETS



**EROSION CONTROL PLAN**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: 1" = 40'	
PROJECT NO: 20-1221-4		SHEET 13 OF 20	

**NPDES NOTE**

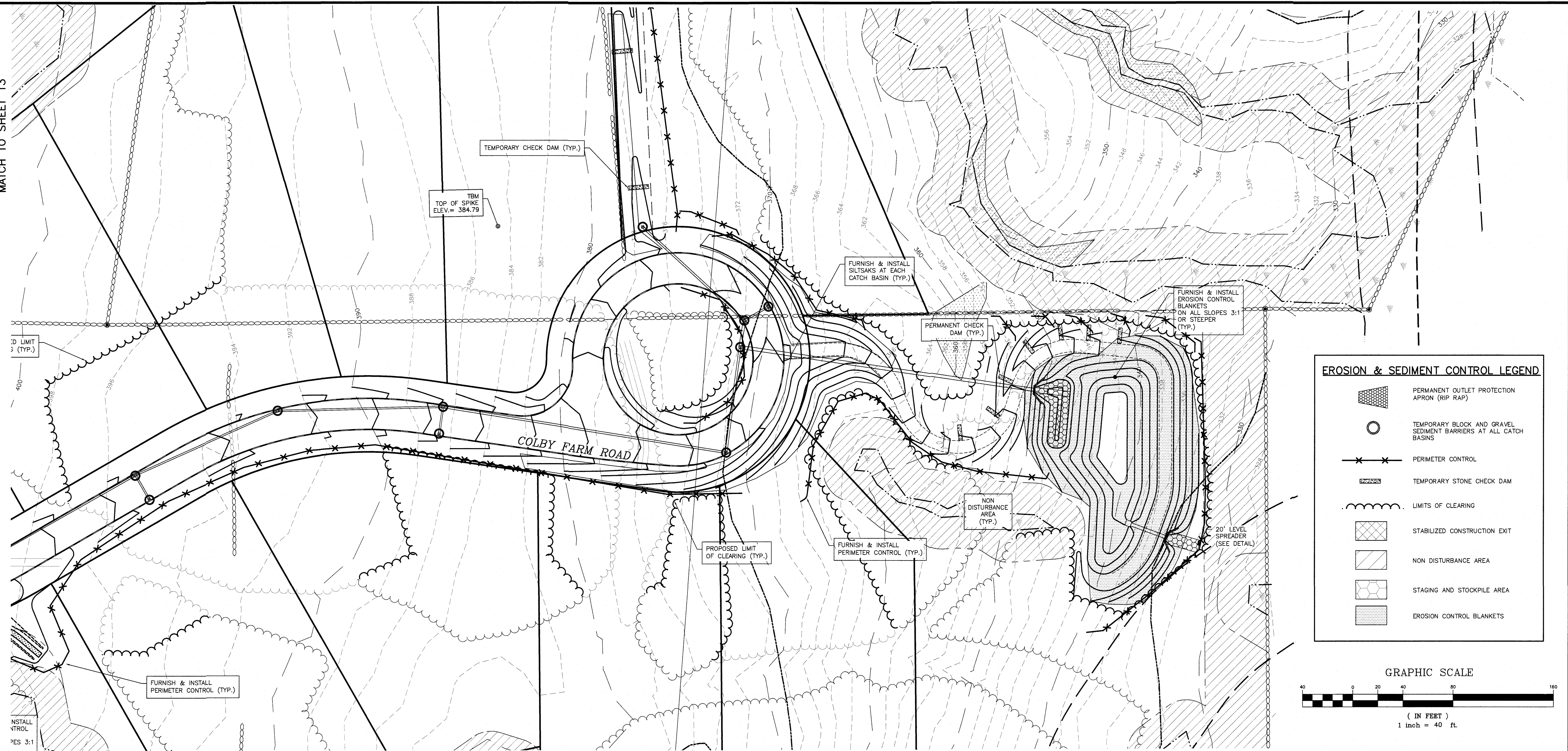
THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO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

**LEGEND**

GB-F	GRANITE BOUND FOUND	---	ABUTTER LINE	---	STONEWALL
IPIN-F	IRON PIN FOUND	---	PROPERTY LINE	---	BUILDING SETBACK
DH-F	DRILL HOLE FOUND	---		---	PROPOSED DRAINAGE MANHOLE
IPP-F	IRON PIPE FOUND	---		---	PROPOSED CATCH BASIN
RRS-F	RAILROAD SPIKE FOUND	---		---	PROPOSED PROPERTY LINE
UT	UTILITY POLE	---		---	PROPOSED DRAINAGE LINE
+	SIGN	---		---	PROPOSED TREELINE
*	LIGHT	---		---	PROPOSED EDGE OF PAVEMENT
W	WELL	---		---	PROPOSED SLOPED GRANITE CURB
SM	SEWER MANHOLE	---		---	PROPOSED 2' CONTOUR
DM	DRAINAGE MANHOLE	---		---	
CB	CATCH BASIN	---		---	



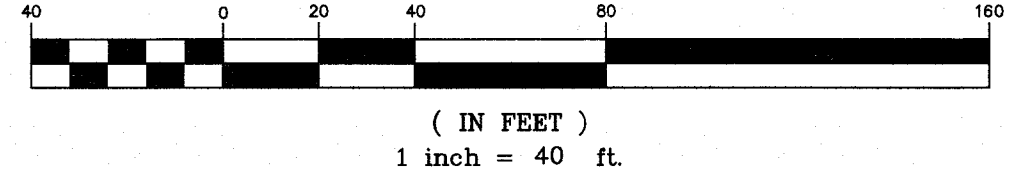
MATCH TO SHEET 13



#### EROSION & SEDIMENT CONTROL LEGEND

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

#### GRAPHIC SCALE



SEE SHEET 18 FOR EROSION NOTES

LOAM & SEED ALL DISTURBED AREAS (TYP.)

#### 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
- WETLAND
- OVERHEAD UTILITIES
- DRAINAGE LINE
- TREELINE
- 10' CONTOUR
- 2' CONTOUR
- STONEWALL
- BUILDING SETBACK
- PROPOSED DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PROPERTY LINE
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB
- PROPOSED 2' CONTOUR



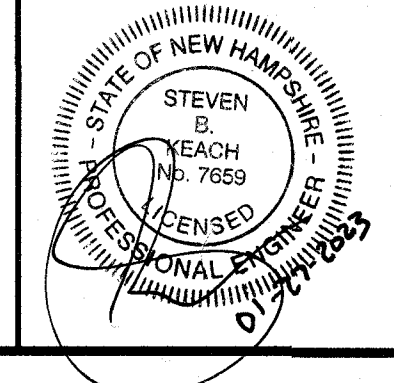
#### NPDES NOTE

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.

### EROSION CONTROL PLAN COLBY FARM SUBDIVISION MAP 15 LOT 18 & MAP 5 LOT 97 181 HAVERHILL ROAD CHESTER, NEW HAMPSHIRE ROCKINGHAM COUNTY

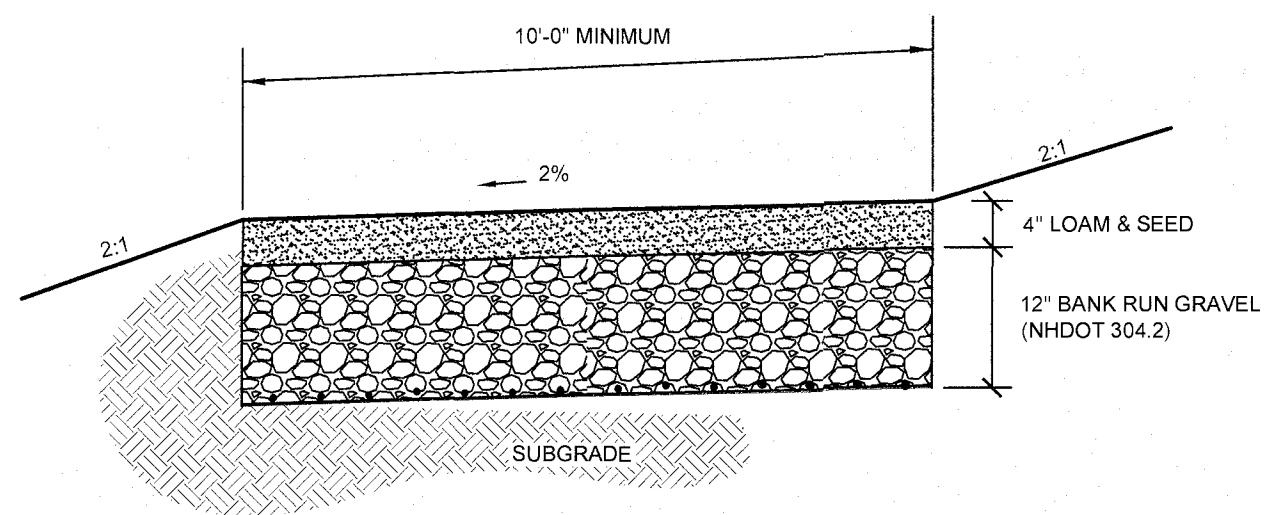
OWNER AND APPLICANT  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

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

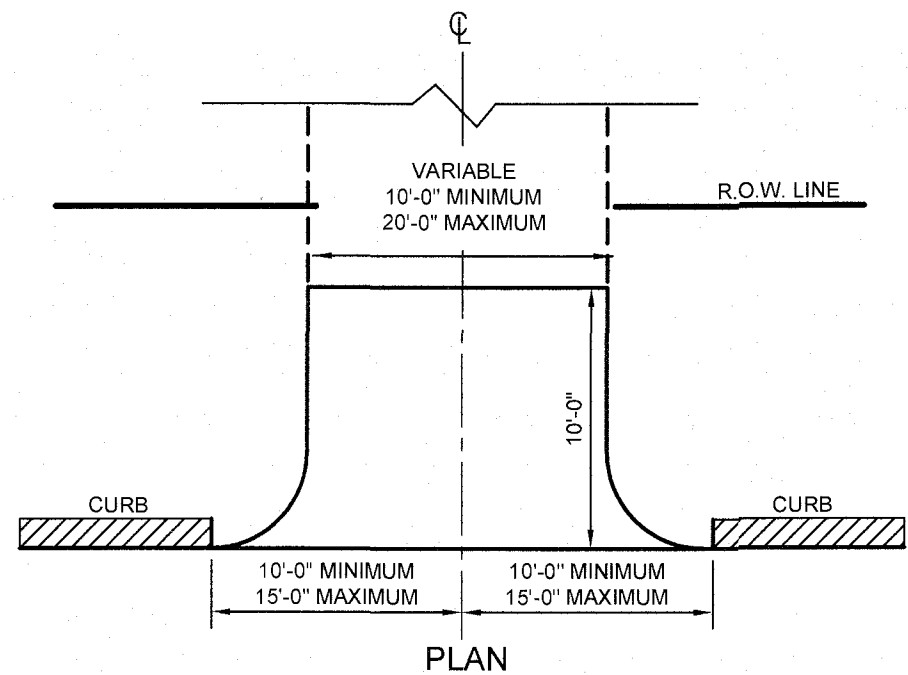


REVISIONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: 1" = 40'	
PROJECT NO: 20-1221-4		SHEET 14 OF 20	

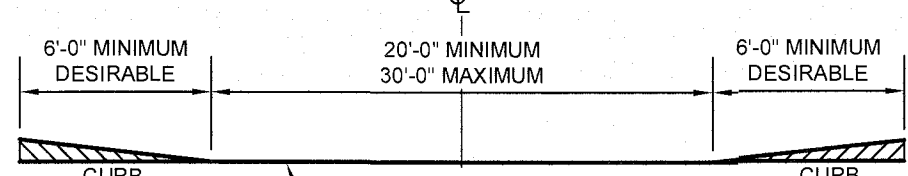




**DRAINAGE ACCESS WAY DETAIL**  
NOT TO SCALE

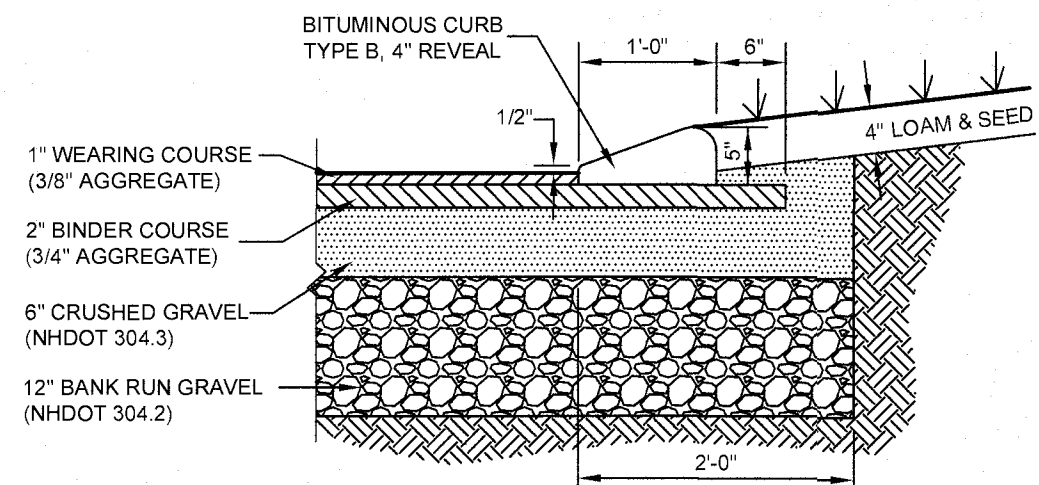


**PLAN**

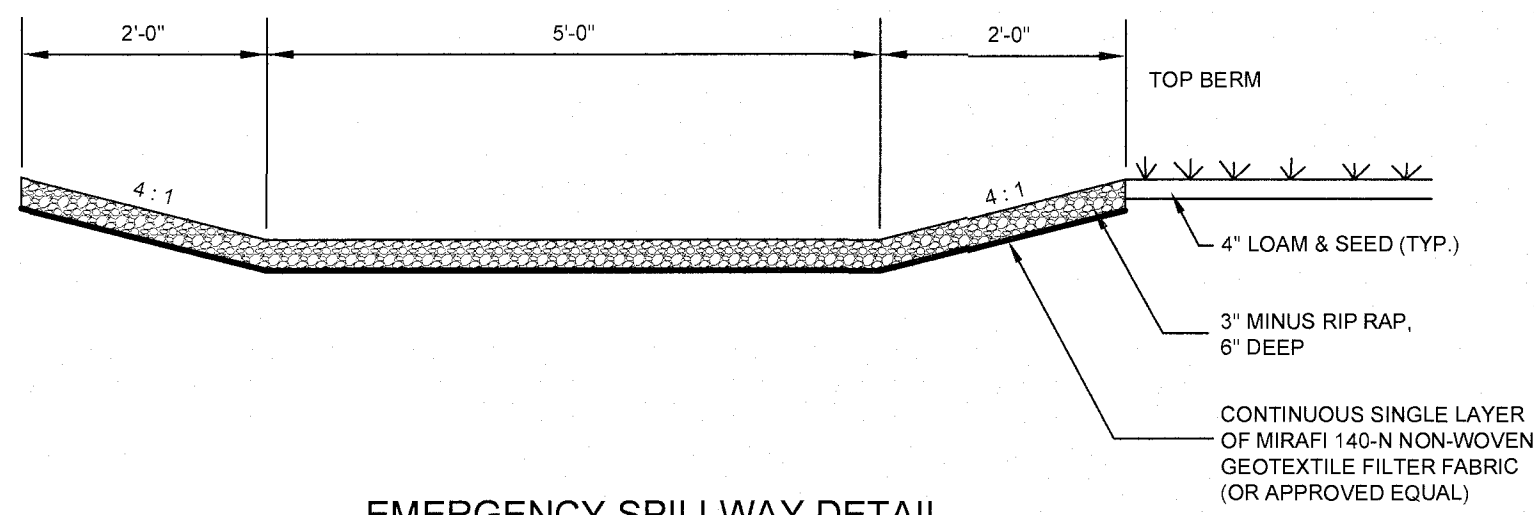


**ELEVATION**

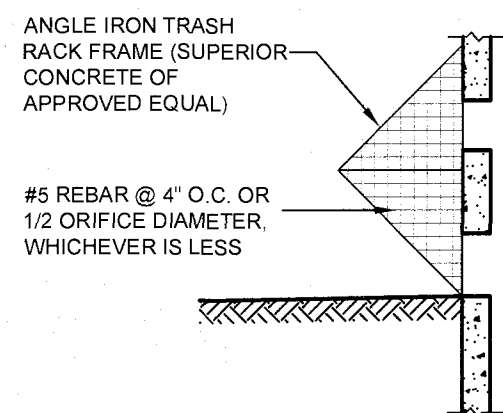
**TYPICAL DRIVEWAY**  
NOT TO SCALE



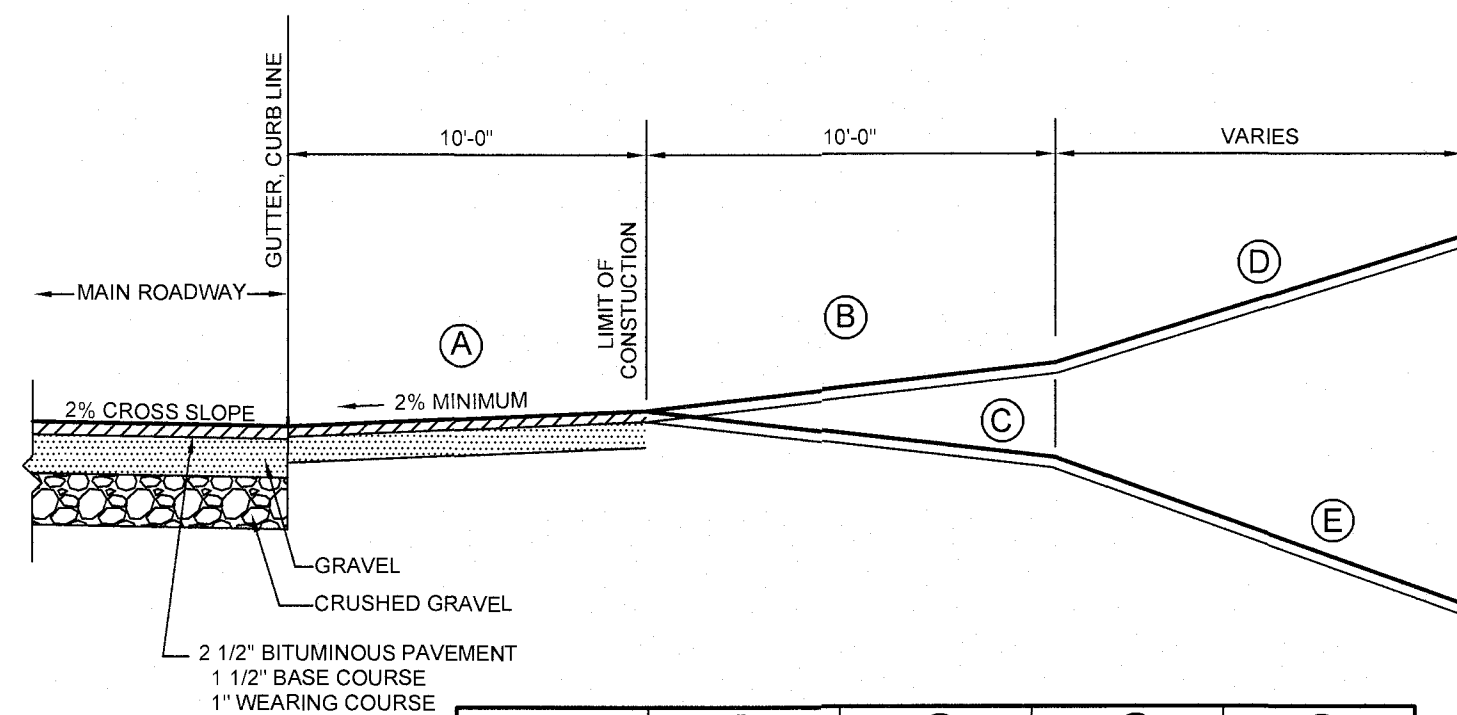
**BITUMINOUS CURB TYPE B DETAIL**  
NOT TO SCALE  
(MARCH 2008)



**EMERGENCY SPILLWAY DETAIL**  
NOT TO SCALE

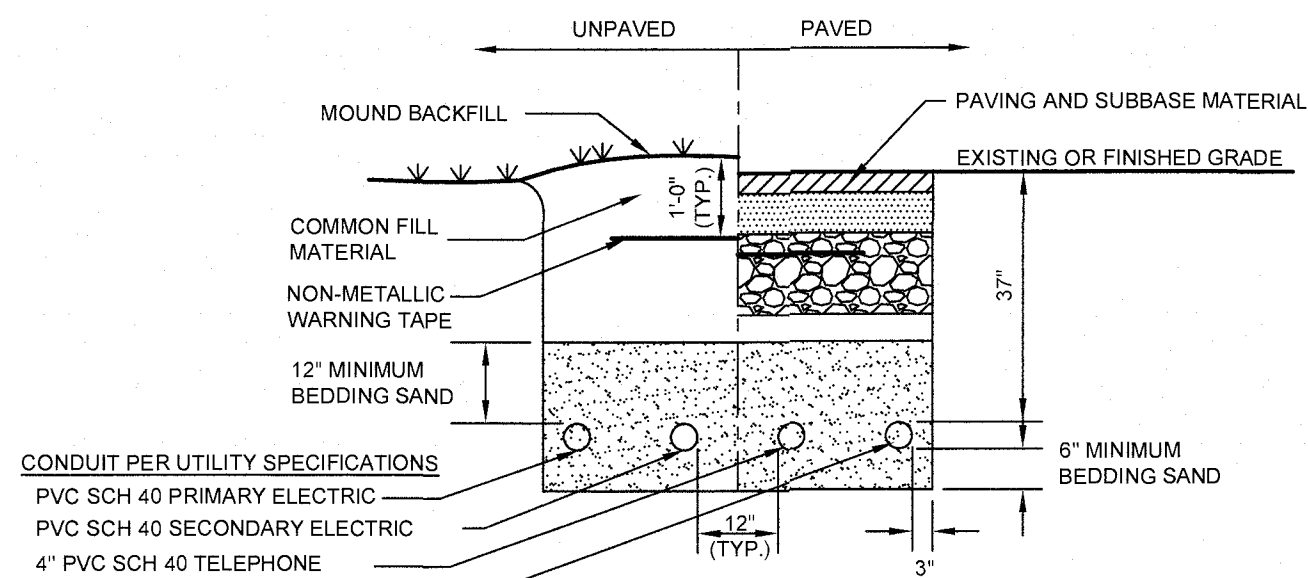


**TRASH RACK DETAIL**  
NOT TO SCALE



(A)	(B)	(C)	(D)	(E)
+2% MINIMUM	+2% MAXIMUM	-2% MAXIMUM	+10% MAXIMUM	-10% MAXIMUM

**TYPICAL DRIVEWAY PROFILE**  
NOT TO SCALE

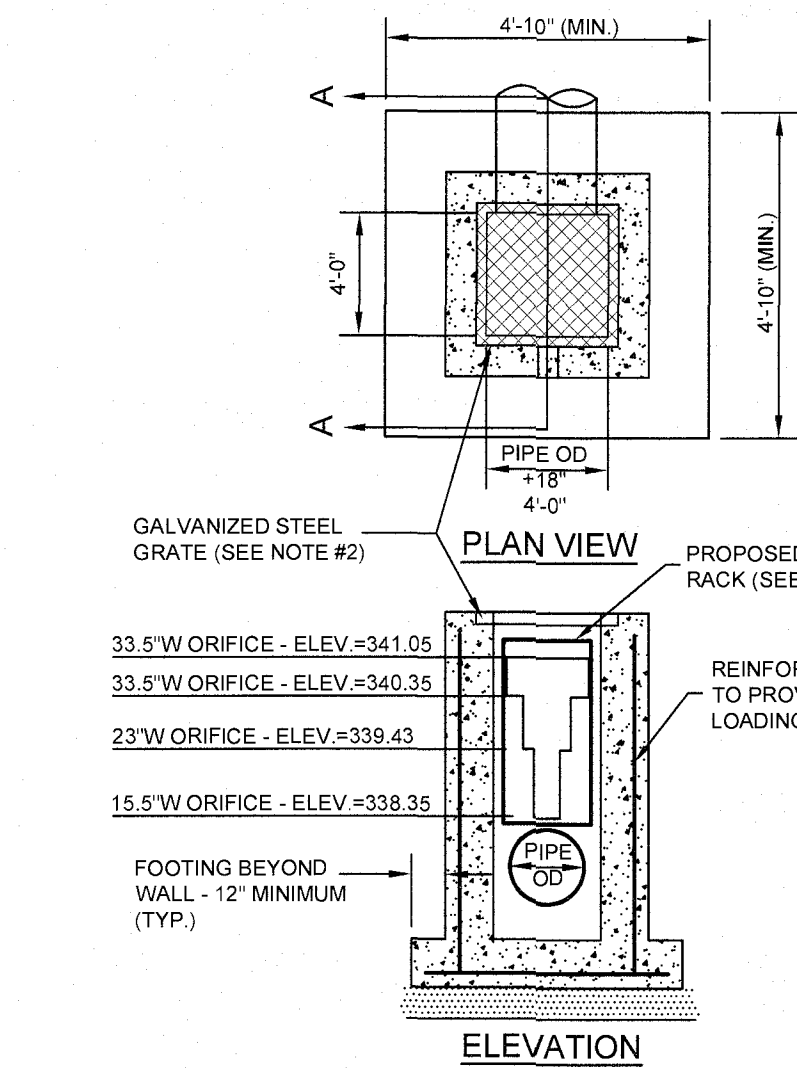


**NOTE:**  
INSTALLATION AND MATERIALS OF UNDERGROUND UTILITIES SHALL CONFORM TO LOCAL UTILITY COMPANY SPECIFICATIONS.

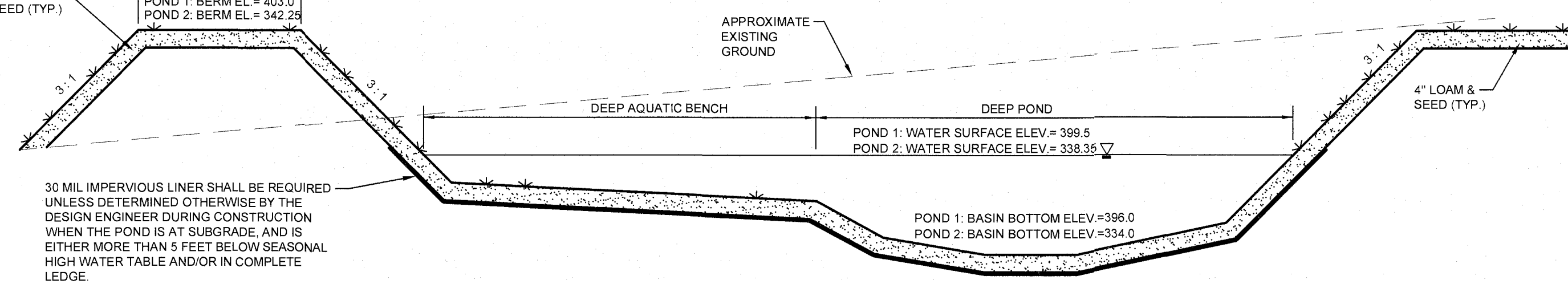
**UTILITY TRENCH DETAIL**  
NOT TO SCALE  
(MARCH 2008)

**POST CONSTRUCTION STORMWATER MAINTENANCE REQUIREMENTS:**

- THE FOLLOWING STANDARDS WILL BE MET AFTER CONSTRUCTION IS COMPLETE:
- DOCUMENTATION**
- A MAINTENANCE LOG WILL BE KEPT SUMMARIZING INSPECTIONS, MAINTENANCE, AND ANY CORRECTIVE ACTIONS TAKEN. THE LOG WILL INCLUDE THE DATE ON WHICH EACH INSPECTION OR MAINTENANCE TASK WAS PERFORMED, A DESCRIPTION OF THE INSPECTION FINDINGS OR MAINTENANCE COMPLETED, AND THE NAME OF THE INSPECTOR OR MAINTENANCE PERSONNEL PERFORMING THE TASK. IF A MAINTENANCE TASK REQUIRES THE CLEAN OUT OF ANY SEDIMENTS OR DEBRIS, THE LOCATION WHERE THE SEDIMENT AND DEBRIS WAS DISPOSED AFTER REMOVAL WILL BE INDICATED. THE MAINTENANCE LOG SHALL BE SENT TO THE TOWN OF LONDONDERRY DEPARTMENT OF PUBLIC WORKS ON A YEARLY BASIS AND SHALL BE MADE AVAILABLE TO NHDES UPON REQUEST.
- MAINTENANCE REQUIREMENTS:**
- STORMWATER POCKET PONDS:
    - SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EVENT EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
    - TRASH AND DEBRIS SHOULD BE REMOVED AT EACH INSPECTION, INCLUDING REMOVAL OF ACCUMULATED SEDIMENT.
    - VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY AND MAINTAINED IN HEALTHY CONDITION, INCLUDING PRUNING, REMOVAL AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.
  - SEDIMENT FOREBAYS:
    - INSPECT AT LEAST 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;



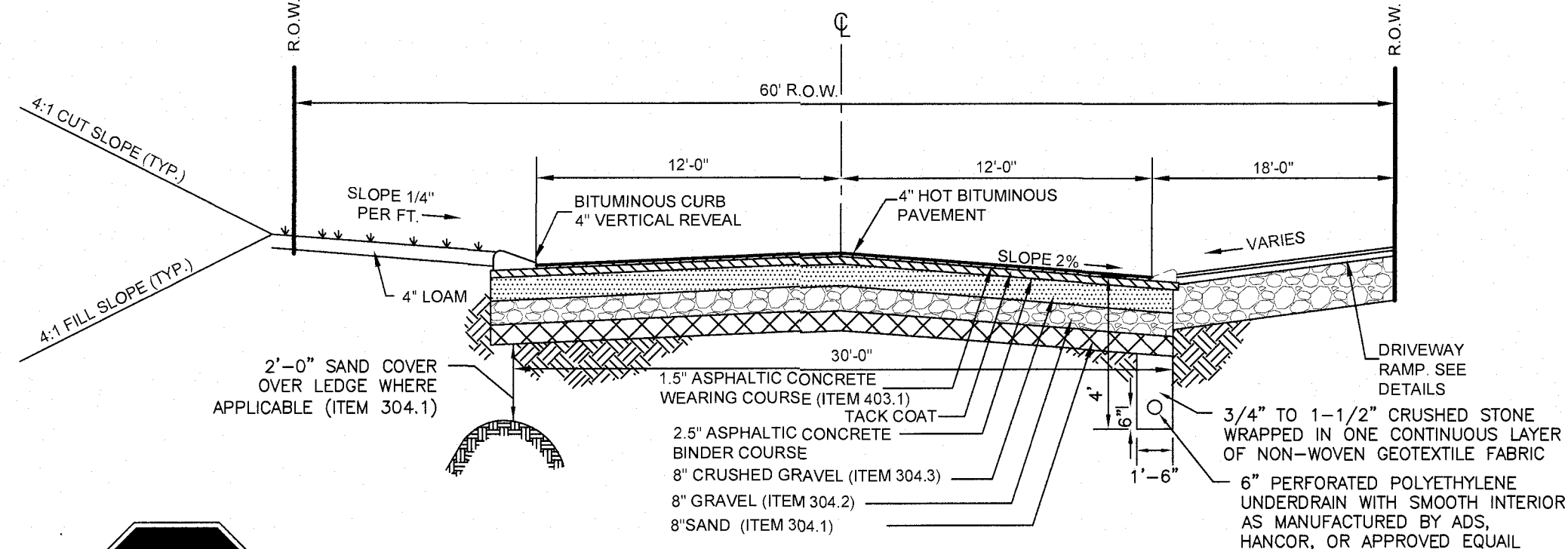
**OUTLET STRUCTURE POND 2**  
NOT TO SCALE



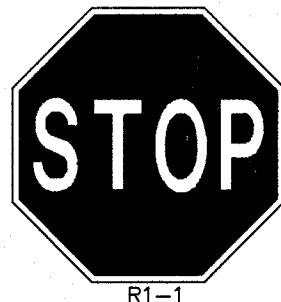
**POCKET POND CROSS-SECTION**  
NOT TO SCALE

NO RUNOFF SHALL BE DIRECTED TO THE BASIN UNTIL THE ENTIRE CONTRIBUTING AREAS ARE FULLY STABILIZED.

- GRASS WAIVE:**
- INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATION, VEGETATION LOSS, AND PRESENCE OF INVASIVE SPECIES.
  - PERFORM PERIODIC MOWING. FREQUENCY DEPENDS ON LOCATION AND TYPE OF GRASS. DO NOT CUT SHORTER THAN 4 INCHES.
  - REMOVE DEBRIS AND ACCUMULATED SEDIMENT, BASED ON INSPECTION.
  - REPAIR ERODED AREAS, REMOVE INVASIVE SPECIES AND DEAD VEGETATION, AND RESEED WITH APPLICABLE GRASS MIX AS WARRANTED BY INSPECTION.
- CATCH BASINS:**
- CATCH BASINS MAY REQUIRE FREQUENT MAINTENANCE. DEPENDING ON LOCATION, THIS MAY REQUIRE SEVERAL CLEANINGS OF THE SUMPS EACH YEAR. AT A MINIMUM, IT IS RECOMMENDED THAT CATCH BASINS BE INSPECTED AT LEAST TWICE ANNUALLY, ONCE FOLLOWING SNOWMELT AND ONCE FOLLOWING LEAF-DROP, AND CLEANED AS INDICATED BY INSPECTION.
  - SEDIMENT SHOULD BE REMOVED WHEN IT APPROACHES HALF THE SUMP DEPTH.
  - IF FLOATING HYDROCARBONS ARE OBSERVED DURING AN INSPECTION, THE MATERIAL SHOULD BE REMOVED IMMEDIATELY BY SKIMMING, ABSORBENT MATERIALS, OR OTHER METHOD AND DISPOSED IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
  - CLEANING MAY REQUIRE VACUUM-TRUCK INSTEAD OF "CLAM-SHELL" TO AVOID DAMAGE TO SNOUT HOOD.
- OUTLET PROTECTION:**
- INSPECT THE OUTLET PROTECTION ANNUALLY FOR DAMAGE AND DETERIORATION. REPAIR DAMAGES IMMEDIATELY.
- GENERAL:**
- IF ANY INVASIVE SPECIES BEGIN TO GROW IN THE STORMWATER MANAGEMENT PRACTICES THE SPECIE SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER THAT WILL NOT ALLOW THE PEST TO SURVIVE OR SPREAD. THE DISPOSAL OF SUCH SPECIES SHALL BE WITNESSED OR APPROVED BY A STATE INSPECTOR. METHODS FOR DISPOSAL MAY INCLUDE, BUT NOT BE LIMITED TO:
    - ENCAPSULATING THE PLANT(S) IN PLASTIC BAGS AND DISPOSING OF THE PLANT MATERIAL IN ONE OF THE FOLLOWING WAYS:
      - TRASH PICKUP; DISCARDING; OPEN BURNING; INCINERATION; OR BURIAL OF INFESTED NURSERY.

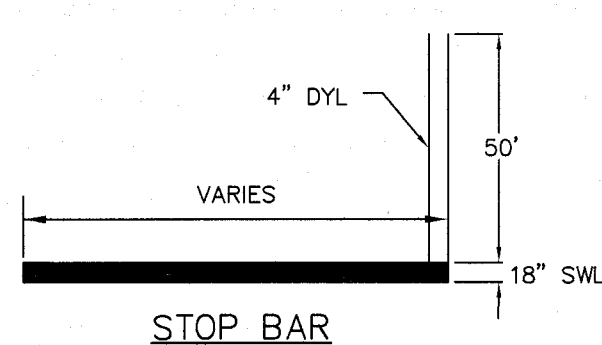


**TYPICAL ROADWAY CROSS SECTION**  
NOT TO SCALE



**ROAD NAME**

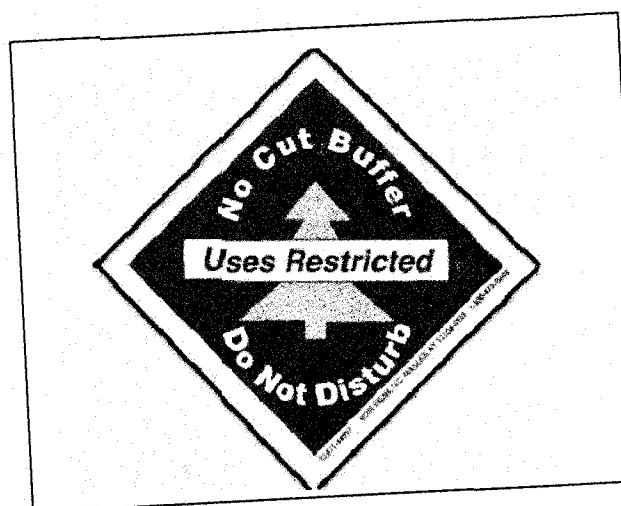
**TYPICAL SIGN PLATE DETAILS**  
NOT TO SCALE



**STOP BAR**

- STRIPING NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THESE STANDARDS AND THE CURRENT EDITION OF MUTCD.
  - WIDTH OF LINES SHALL VARY NO MORE THAN 1/4 INCH FROM THAT SPECIFIED.
  - THE WET FILM THICKNESS OF A PAINTED LINE SHALL BE A MINIMUM OF 15 MILS THROUGHOUT THE ENTIRE WIDTH AND LENGTH OF LINE SPECIFIED.
  - OVERSPRAY SHALL BE KEPT TO AN ABSOLUTE MINIMUM.
  - ALL PAINT SHALL COMPLY WITH NHDOT SPECIFICATION SECTION 708.

**TYPICAL THERMOPLASTIC PAVEMENT MARKING DETAIL**  
NOT TO SCALE



**SIGN DETAIL**

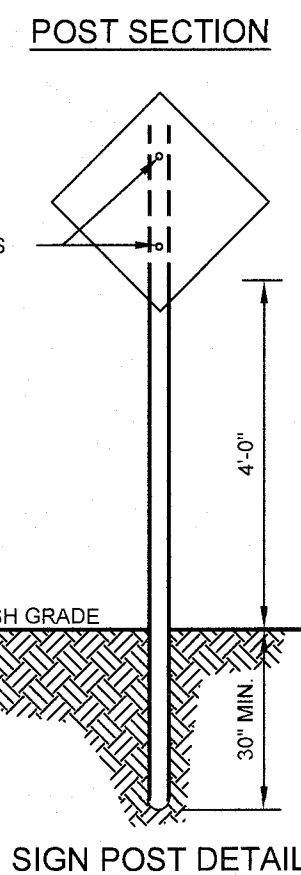
- LENGTH:** P-12, 12'-0"; P-14, 14'-0"; P-16, 16'-0"
- WEIGHT PER LINEAR FOOT:** 2.50 LBS. (MIN.)
- HOLES:** 3/8" DIA. 1" C-C FULL LENGTH
- STEEL:** SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 1070-1080)
- FINISH:** SHALL BE PAINTED WITH TWO COATS OF AN APPROVED MEDIUM GREEN, BAKED ON OR AIR DRIED. PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.

**POST NOTES:**

- POSTS SHALL BE PLUMB; ANY POST BENT OR OTHERWISE DAMAGED SHALL BE REMOVED AND PROPERLY REPLACED. POSTS MAY BE SET OR DRIVEN.
- WHEN POSTS ARE SET, HOLES SHALL BE DUG TO THE PROPER DEPTH. AFTER INSERTING POSTS, THE HOLES SHALL BE BACKFILLED WITH SUITABLE MATERIAL IN LAYERS NOT TO EXCEED 6" DEEP THOROUGHLY COMPACTED, CARE BEING TAKEN TO PRESERVE THE ALIGNMENT OF THE POST.
- WHEN POSTS ARE DRIVEN, A SUITABLE DRIVING CAP SHALL BE USED AND, AFTER DRIVING, THE TOP OF THE POST SHALL HAVE SUBSTANTIALLY THE SAME CROSS-SECTIONAL DIMENSION AS THE BODY OF THE POST; BATTERED HEADS WILL NOT BE ACCEPTED.
- POSTS SHALL NOT BE DRIVEN WITH THE SIGN ATTACHED TO THE POST.
- SIGNS SHALL BE ERECTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- WHEN SIGN IS IN PLACE, NO PART OF POST SHALL EXTEND ABOVE THE SIGN.
- DIMENSIONS SHOWN ARE NOMINAL.
- ALTERNATE SECTIONS MUST BE APPROVED PRIOR TO USE.

**SIGN NOTE:**

TAGS SHALL BE PLACED IN NEAREST TREE ALONG 50 FOOT WETLANDS BUFFER AS SHOWN. IN AREAS WHERE THERE ARE NO TREES, SIGN POSTS SHALL BE USED AND INSTALLED.



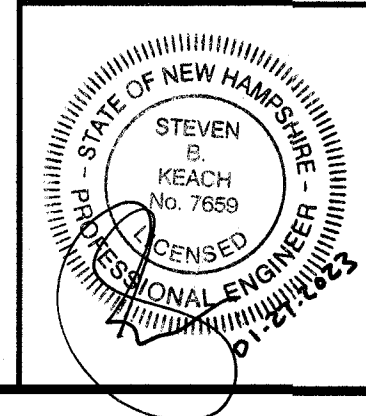
**SIGN POST DETAIL**

**WETLAND BUFFER SIGNAGE DETAIL**  
NOT TO SCALE

**CONSTRUCTION DETAILS**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

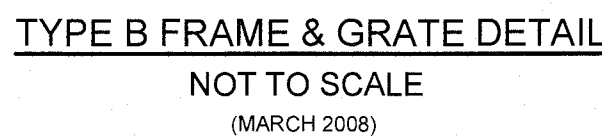
**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

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

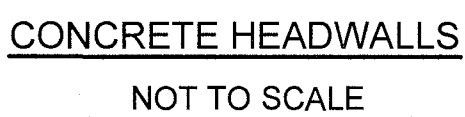
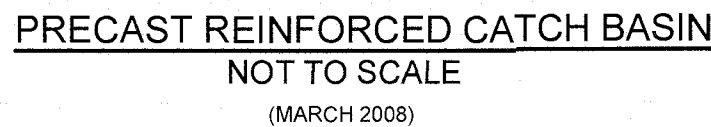


REVISIONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-08-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: AS SHOWN	
PROJECT NO: 20-1221-4		SHEET 15 OF 20	



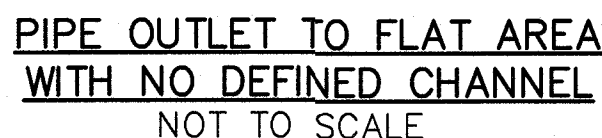


1. ALL SECTIONS SHALL BE CONCRETE CLASS AA(4000 PSI). CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCH. PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
2. THE TONGUE OR GROVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCH PER LINEAR FOOT.
3. RISE OF 1', 2', 3' & 4' CAN BE USED TO REACH DESIRED DEPTH.
4. EXCAVATION PER FOOT OF DEPTH = 1.358 C.Y.



NOTE: STEEL QUANTITIES ARE FOR CONCRETE HEADWALLS ONLY.

NOT TO SCALE



LOCATION	La	W1 = W2	d50	DEPTH
OP#1	25'	16'	12"	30"
OP#2	17'	4'	12"	30"
OP#3	19'	19'	12"	30"
OP#4	27'	10'	12"	30"

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

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

<u>SILTSACK STYLE</u>	<u>TEST METHOD</u>	<u>TEST RESULT</u>
REGULAR FLOW	ASTM D-4884	165.0 LBS/IN
HI-FLOW	ASTM D-4884	114.6 LBS/IN
3. THE SILTSACK WILL BE MANUFACTURED TO FIT THE OPENING OF THE CATCH BASIN OR DROP INLET. THE SILTSACK WILL HAVE THE FOLLOWING FEATURES:

SILTSAK STYLE	TEST METHOD	TEST RESULT
REGULAR FLOW	ASTM D-4684	165.0 LBS/IN
HI-FLOW	ASTM D-4684	114.6 LBS/IN

3. THE SILTSAK WILL BE MANUFACTURED TO FIT THE OPENING OF THE CA OR DROP INLET. THE SILTSAK WILL HAVE THE FOLLOWING FEATURES:

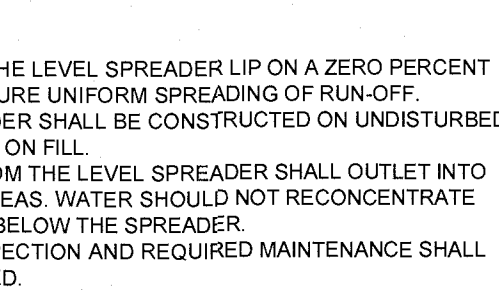
- A. TWO DUMP STRAPS ATTACHED AT THE BOTTOM TO FACILITATE THE EMPTYING OF THE SILTSAK;
- A. LIFTING LOOPS AS AN INTEGRAL PART OF THE SYSTEM TO BE USED TO LIFT THE SILTSAK FROM THE BASIN; AND
- B. A RESTRAINT CORD APPROXIMATELY HALFWAY UP THE SACK TO SIDES AWAY FROM THE CATCH BASIN WALLS. THIS YELLOW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

4. THE GEOTEXTILE FABRIC SHALL BE WOVEN POLYPROPYLENE FABRIC WITH FOLLOWING PROPERTIES:

<u>SILTSAK REGULAR FLOW:</u>	TEST METHOD	TEST RESULT
PROPERTY	ASTM D-4643	300 LBS.
GRAB TENSILE	ASTM D-4643	20%
GRAB ELONGATION	ASTM D-4633	120 LBS.
PUNCTURE	ASTM D-3786	120 LBS.
MULLEN BURST	ASTM D-4353	80% PSI
TRAPEZOID TEAR	ASTM D-4353	120 LBS.
UV RESISTANCE	ASTM D-4565	80%
APPARENT OPENING	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL./MIN.
PERMITTIVITY	ASTM D-4491	0.55 SEC.

OR SILTSAK HI-FLOW:

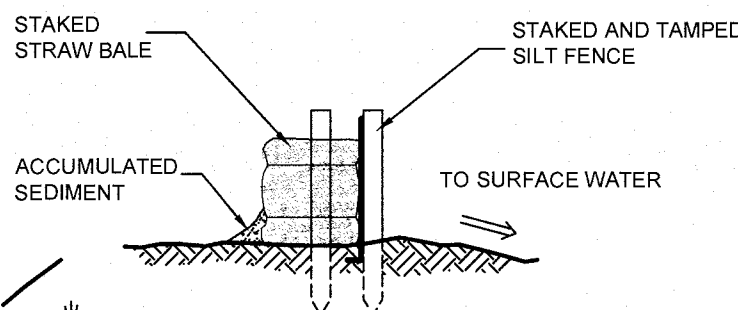
PROPERTY	TEST METHOD	TEST RESULT
GRAB TENSILE	ASTM D-4632	285 LBS.
GRAB ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS.
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS.
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	20 GAL./MIN./FT2
PERMITTIVITY	ASTM D-4491	1.5 SEC.



1. CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUN-OFF.
2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
3. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET INTO STABILIZED AREAS. WATER SHOULD NOT RECONCENTRATE IMMEDIATELY BELOW THE SPREADER.
4. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.

1. INSPECT AT LEAST ONCE ANNUALLY FOR ACCUMULATION OF SEDIMENT AND DEBRIS AND FOR SIGNS OF EROSION WITHIN APPROACH CHANNEL, SPREADER CHANNEL OR DOWN-SLOPE OF THE SPREADER.
2. REMOVE DEBRIS WHENEVER OBSERVED DURING INSPECTION.
3. REMOVE SEDIMENT WHEN ACCUMULATION EXCEEDS 25% OF CHANNEL DEPTH.
4. MOW AS REQUIRED BY LANDSCAPE DESIGN. AT A MINIMUM, MOW ANNUALLY TO CONTROL WOODY VEGETATION WITHIN THE SPREADER.
5. SNOW SHOULD NOT BE STORED WITHIN OR DOWN-SLOPE OF THE LEVEL, SPREADER OR ITS APPROACH CHANNEL.
6. REPAIR ANY EROSION AND RE-GRADE OR REPLACE STONE LINING MATERIAL AS REQUIRED DETERMINED BY INSPECTION.
7. RECONSTRUCT THE SPREADER IF DOWN-SLOPE CHANNELIZATION INDICATES THAT THE SPREADER IS NOT LEVEL OR THAT DISCHARGE HAS BECOME CONCENTRATED, AND ANY DISCHARGES CANNOT BE MADE THROUGH MINOR RE-GRADING.

NOT TO SCALE  
(APRIL 2010)

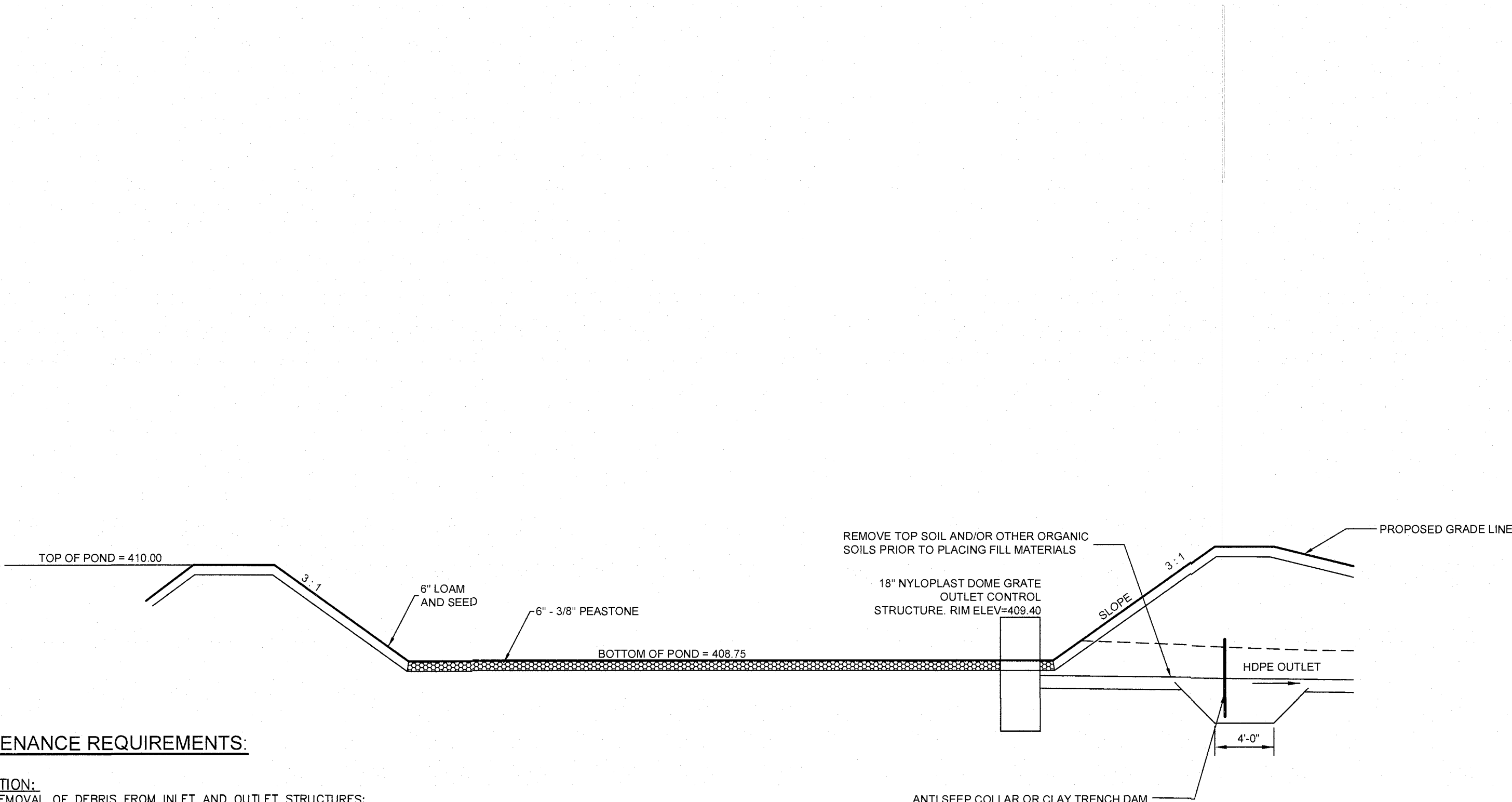


**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**KNA** KEACH-NORDSTROM ASSOCIATES, INC.

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

REVISONS			
No.	DATE	DESCRIPTION	BY
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-28-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: AS SHOWN	
PROJECT NO: 20-1221-4		SHEET 16 OF 20	



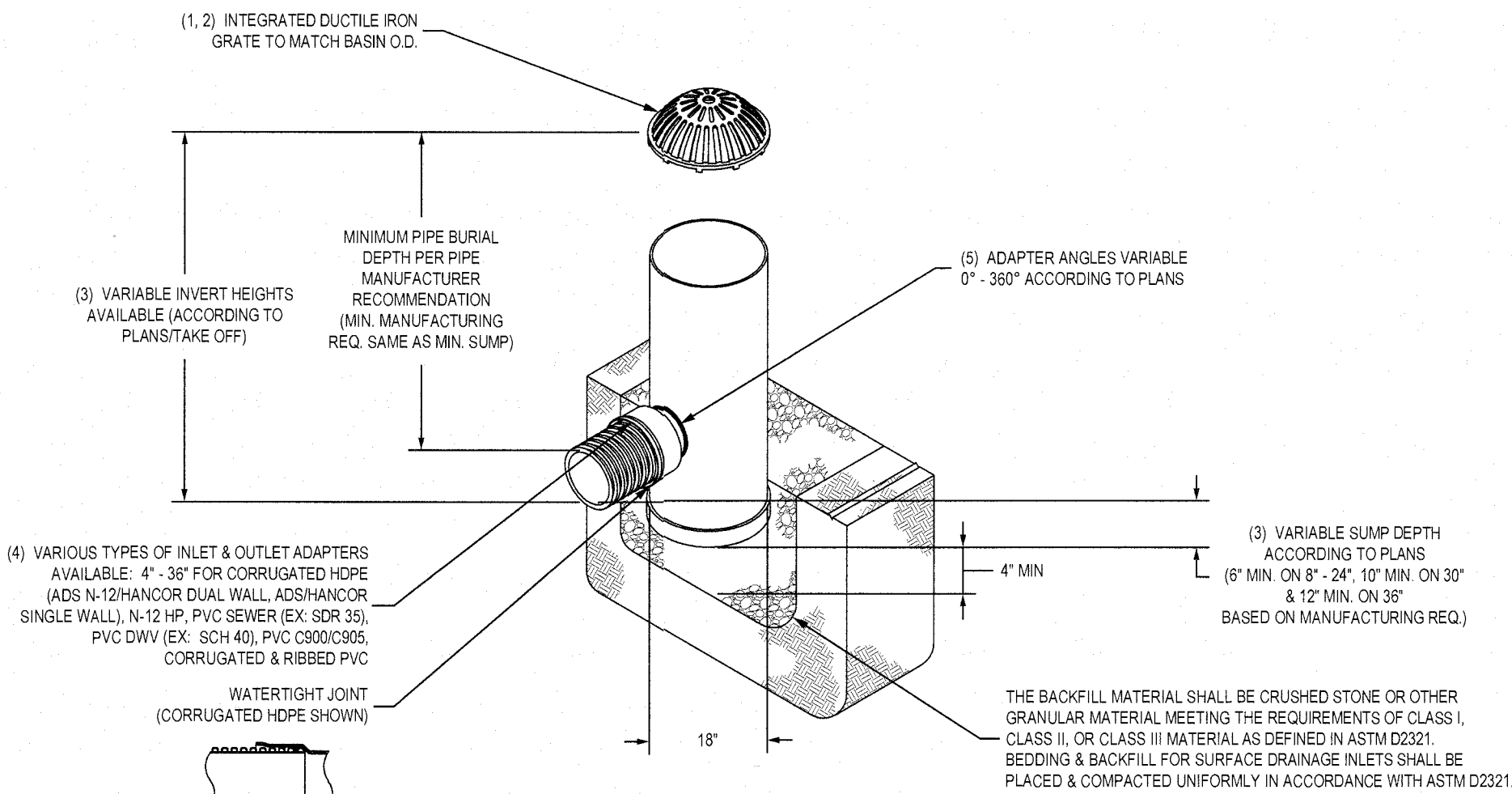
**MAINTENANCE REQUIREMENTS:**

- INFILTRATION:**
- REMOVAL OF DEBRIS FROM INLET AND OUTLET STRUCTURES;
  - REMOVAL OF ACCUMULATED SEDIMENT;
  - INSPECTION AND REPAIR OF OUTLET STRUCTURES AND APPURTENANCES;
  - INSPECTION OF INFILTRATION COMPONENTS AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EVENT EXCEEDING 2.5 INCHES IN A 24 HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION;
  - INSPECTION OF PRETREATMENT MEASURES AT LEAST TWICE ANNUALLY, AND REMOVAL OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY;
  - PERIODIC MOWING OF EMBANKMENTS;
  - REMOVAL OF WOODY VEGETATION FROM EMBANKMENTS;
  - INSPECTION AND REPAIR OF EMBANKMENTS AND SPILLWAYS;
  - IF AN INFILTRATION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE INFILTRATION FUNCTION, INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE INFILTRATION TRENCH.

**TYPICAL INFILTRATION POND SECTION**  
NOT TO SCALE

**CONSTRUCTION PRACTICE REQUIREMENTS:**

1. STORMWATER PONDS, INFILTRATION BASINS, AND SWALES MUST BE INSTALLED BEFORE ROUGH GRADING TO SITE.
2. RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMPs ARE STABILIZED.
3. STORMWATER PONDS, INFILTRATION BASINS, AND SWALES MUST BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
4. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATION WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
5. AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
6. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
7. INFILTRATION BASIN FLOOR PREPARATION WILL INCLUDE GRASS TURF THAT CAN BE INUNDATED FOR UP TO 72 HOURS.
8. INFILTRATION AREAS ARE TO BE PROTECTED FROM OVER-COMPACTION DURING CONSTRUCTION.

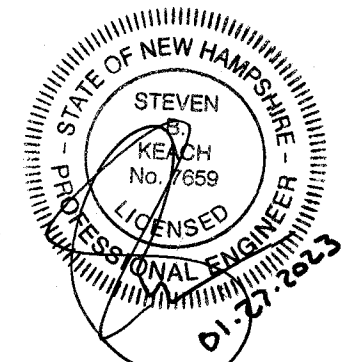


**NYLOPLAST DRAIN BASIN WITH DOME GRATE**

**CONSTRUCTION DETAILS**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: AS SHOWN	
PROJECT NO: 20-1221-4		SHEET 17 OF 20	



## TURF ESTABLISHMENT SCHEDULE

### PURPOSE:

TO ESTABLISH AND MAINTAIN PERMANENT AND TEMPORARY TURF AREAS, RESTORE GROWTH TO EXISTING TURF AREAS DISTURBED DURING CONSTRUCTION AND CONTROL SOIL EROSION.

### PREPARATION AND EXECUTION:

1. RAKE THE SUBGRADE OF ALL AREAS TO BE LOAMED AND SEEDED TO REMOVE RUBBISH, STICKS, ROOTS AND STONES LARGER THAN 1 INCH.
2. PLACE LOAM OVER AREAS TO BE SEEDED AND SPREAD.
3. FINE GRADE SURFACE AND SUPPLEMENT WITH SUITABLE LOAM WHERE NEEDED TO CREATE A UNIFORM SURFACE ACCORDING TO THE FINISH GRADES INDICATED. TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED. NO LOAM SHALL BE SPREAD IF THE SUBGRADE IS EXCESSIVELY WET OR FROZEN.
4. APPLY 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.
5. APPLY FERTILIZER AND MIX WITH THE UPPER 2 INCHES OF LOAM.
6. FERTILIZER APPROXIMATE FORTURE 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.
7. SEEDING FOR PERMANENT COVER SHALL OCCUR BETWEEN SEPTEMBER 15 AND OCTOBER 15 AND BETWEEN APRIL 15 AND JUNE 15. SEEDING SHALL NOT BE DONE DURING WINDY WEATHER, WHEN THE GROUND IS FROZEN OR EXCESSIVELY WET OR OTHERWISE UNTILLABLE.
8. WITHIN 24 HOURS AFTER SEEDING OPERATION, UNIFORMLY MULCH THE AREA WITH HAY. ANCHOR MULCH ON ALL SLOPES EXCEEDING 3:1 USING MULCH NETTING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER.
9. PROTECT AND PREVENT AGAINST WASHOUTS. ANY WASHOUTS WHICH OCCUR SHALL BE PROMPTLY REGRADED AND RESEED.
10. WHEN IT IS IMPRACTICAL TO ESTABLISH PERMANENT GROWTH ON DISTURBED EARTH BY OCTOBER 15, A TEMPORARY SEED MIXTURE SHALL BE USED. WHEN TEMPORARY SEEDING CANNOT ESTABLISH VISIBLE GROWTH, THE DISTURBED AREA SHALL BE COVERED WITH SIX INCHES OF MULCH FOR THE WINTER.

### MAINTENANCE:

ALL SEEDED AREAS SHALL BE KEPT WATERED AND IN GOOD CONDITION. RESEED AS NECESSARY TO ESTABLISH HEALTHY UNIFORM GROWTH OVER THE ENTIRE SEEDED AREA. MAINTAIN SEEDED AREAS IN AN APPROVED CONDITION UNTIL FINAL ACCEPTANCE. MAINTENANCE SHALL INCLUDE REPAIRS FOR DAMAGE CAUSED BY EROSION.

### APPLICATION RATES:

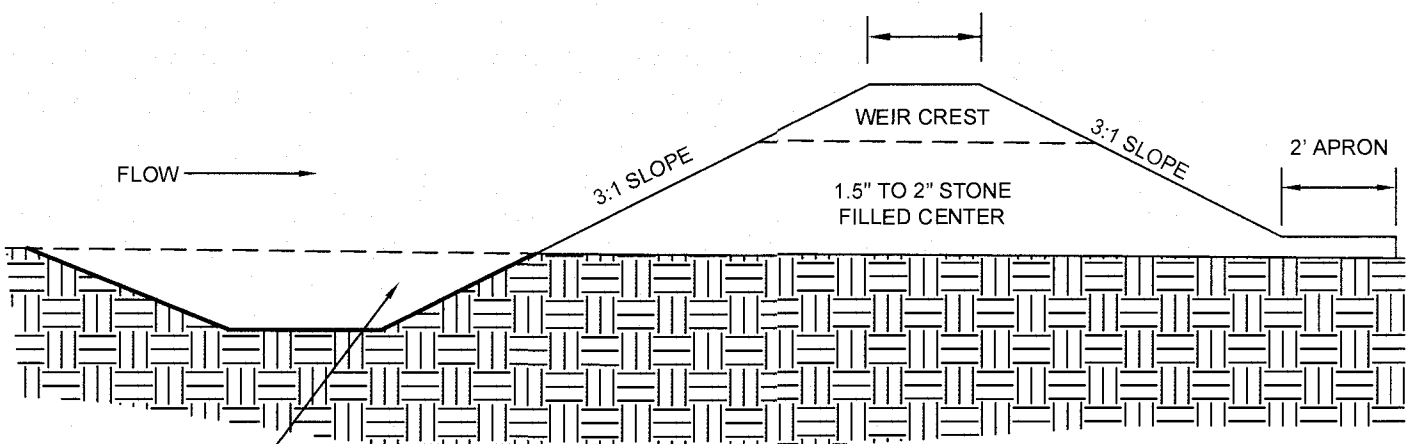
1. LOAM SHALL BE APPLIED AT A MINIMUM COMPACTED THICKNESS OF 4 INCHES.
2. LIME SHALL BE APPLIED AT A RATE OF 75 TO 100 POUNDS PER 1,000 S.F.
3. FERTILIZER SHALL BE APPLIED AT A RATE OF 30 POUNDS PER 1,000 S.F.
4. SEED MIXTURE FOR LAWN AREAS SHALL BE APPLIED AT A RATE OF AT LEAST 80 POUNDS PER ACRE OR 2 POUNDS PER 1,000 S.F.
5. TEMPORARY SEED MIXTURE SHALL BE APPLIED AT A RATE OF 2 POUNDS PER 1,000 S.F.
6. SEED MIXTURE FOR SLOPE AREAS SHALL BE APPLIED AT A RATE OF 80 POUNDS PER ACRE OR 2 POUNDS PER 1,000 S.F.
7. SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS SHALL BE APPLIED AT A RATE OF 70 POUNDS PER ACRE OR 1.6 POUNDS PER 1,000 S.F.
8. MULCH SHALL BE APPLIED AT A RATE OF 90 POUNDS PER 1,000 S.F.

### MATERIALS:

1. LOAM USED FOR TOPSOIL SHALL BE FRIABLE, FERTILE, NATURAL FREE-DRAINING LOAM; FREE OF ROOTS, GRASS, STICKS, WEEDS, CLAY, SOD LUMPS, DEBRIS AND STONES LARGER THAN 1 INCH IN ANY DIMENSION. SOIL SHALL NOT BE EXCESSIVELY ACID OR ALKALINE AND CONTAIN NO TOXIC MATERIALS.
2. LIME SHALL BE GROUND LIMESTONE CONTAINING NO LESS THAN 95% CALCIUM AND MAGNESIUM CARBONATES.
3. FERTILIZER SHALL BE 10-20-20 COMMERCIAL GRADE.
4. SEED MIXTURE FOR LAWN AREAS SHALL BE 99% PURE LIVE SEED AND CONSIST OF THE FOLLOWING:
  - 25% CREEPING RED FESCUE
  - 25% KENTUCKY BLUEGRASS
  - 25% REDTOP
  - 25% MANHATTAN PERENNIAL RYEGRASS
5. TEMPORARY SEEDING MIXTURE SHALL BE AN APPROVED CONSERVATION MIX OR CONSIST OF THE FOLLOWING:
  - 15% BLACKWELL OR SHELTER SWITCHGRASS
  - 30% NIAGRA OR KAW BIG BLUESTEM
  - 30% CAMPER OR BLAZE LITTLESTEM
  - 15% NE-27 OR BLAZE SAND LOVEGRASS
  - 10% VIKING BIRDSFOOT TREFOILINOCULUM SPECIFIC TO BIRDSFOOT TREFOIL MUST BE USED WITH THIS MIXTURE. IF SEEDING BY HAND, A STICKING AGENT SHALL BE USED. IF SEEDING WITH A HYDROSEEDER, USE FOUR TIMES THE RECOMMENDED AMOUNT OF INOCULUM.
6. SEED MIXTURE FOR SLOPE AREAS SHALL BE 99% PURE LIVE SEED AND SHALL CONSIST OF THE FOLLOWING:
  - 30% CREEPING RED FESCUE
  - 40% PERENNIAL RYE GRASS
  - 15% REDTOP
  - 15% BIRDSFOOT TREFOIL\*IN ADDITION TO THE MIX SPECIFIED ABOVE, CROWN VETCH SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1. CROWN VETCH SHALL BE APPLIED AT A RATE OF 10 POUNDS PER ACRE AND INOCULUM SPECIFIC TO CROWN VETCH MUST BE USED.
7. SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS, INCLUDING DETENTION BASINS AND VEGETATED TREATMENT SWALES SHALL CONSIST OF THE FOLLOWING:
  - 25% CREEPING RED FESCUE
  - 15% SWITCH GRASS
  - 15% FOX SEDGE
  - 15% CREEPING BENTGRASS
  - 10% FLATPEA
  - 20% WILD-LOWER VARIETY
8. HAY USED FOR MULCH SHALL CONSIST OF MOWED AND PROPERLY CURED GRASS OR LEGUME MOWINGS, FREE FROM WEEDS, TWIGGS, DEBRIS OR OTHER DELETERIOUS MATERIAL AND ROT OR MOLD.

### 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 OR SLOPE PROTECTION BLANKETS. 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 SNOW AND REPAIRED 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.



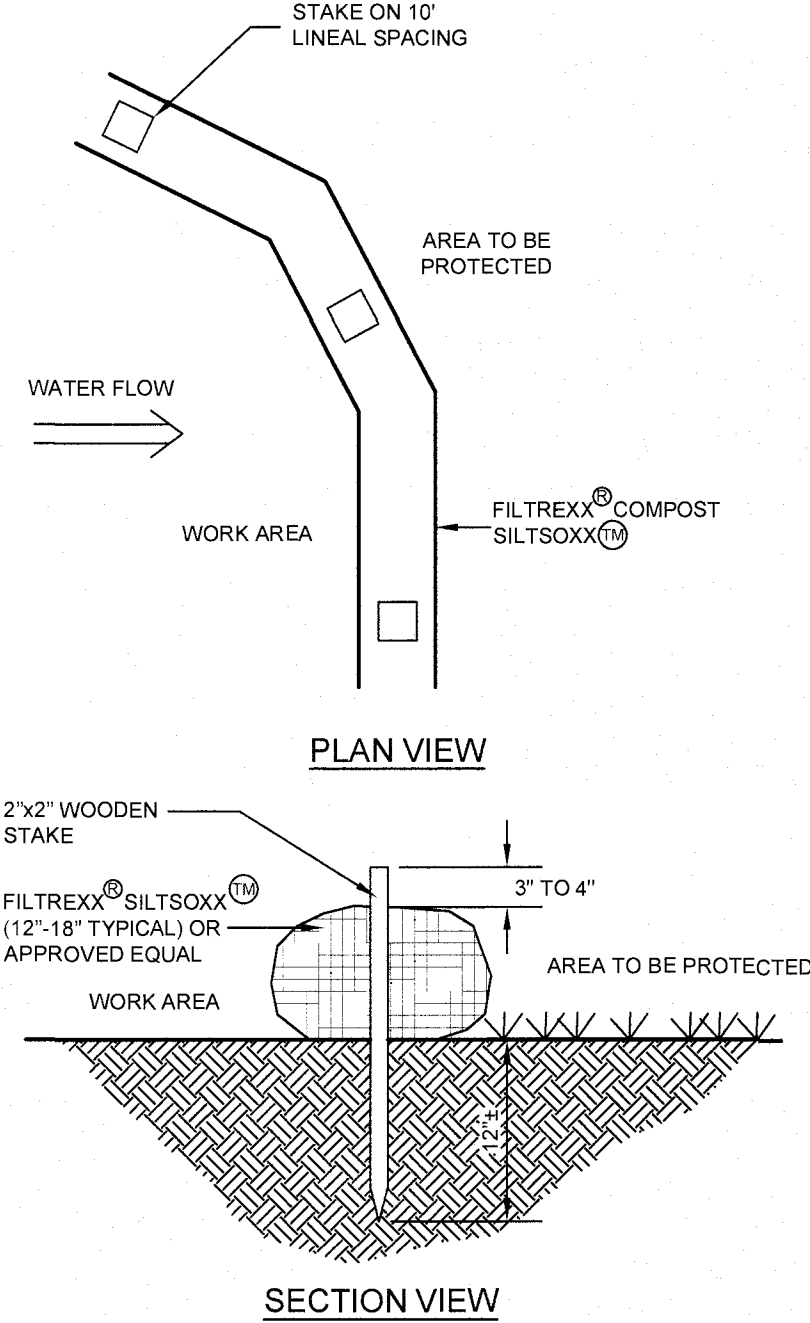
SECTION A-A

### NOTES:

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



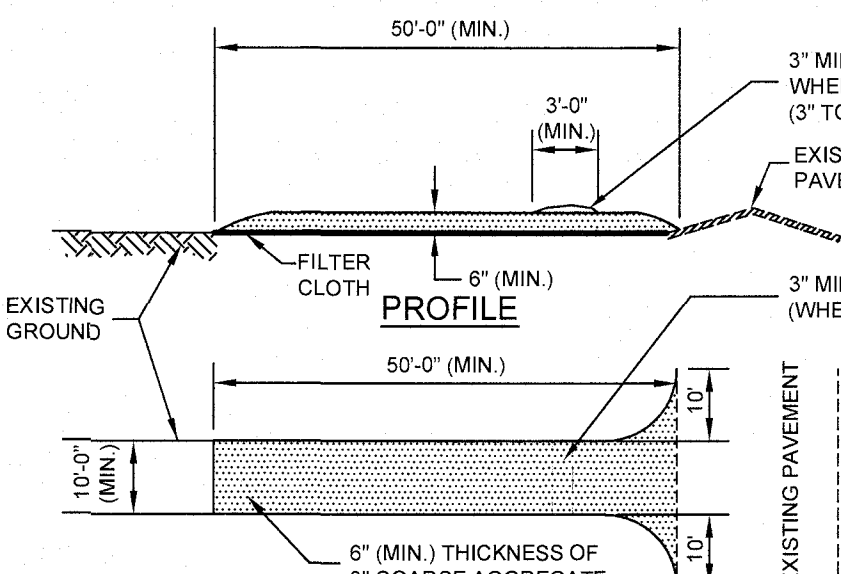
### NOTES:

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

### FILTREX® SILTOSOXX® DETAIL

NOT TO SCALE

(AUGUST 2011)



### PLAN VIEW

### STABILIZED CONSTRUCTION EXIT DETAIL

NOT TO SCALE

(APRIL 2016)

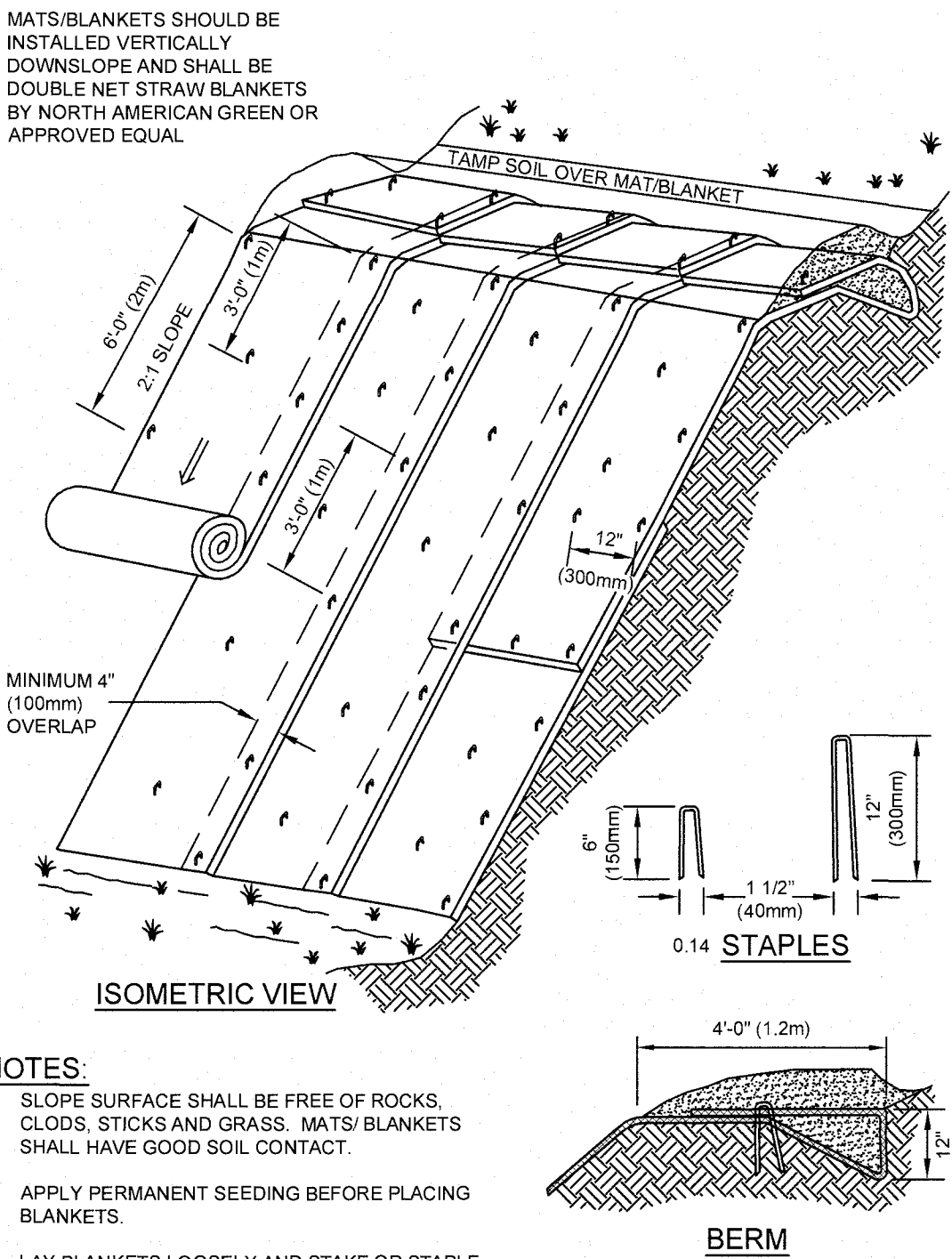
### MAINTENANCE:

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:

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



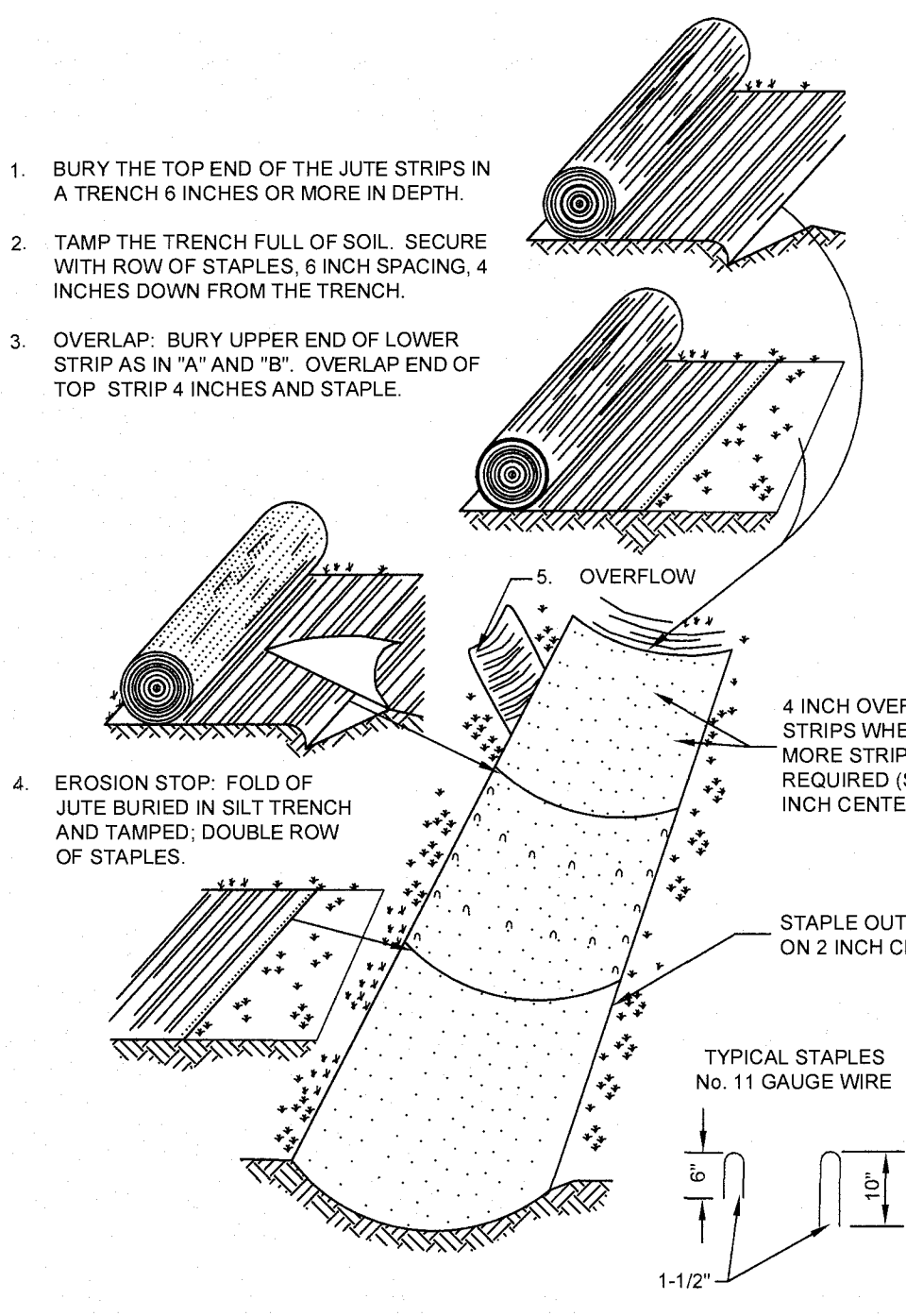
### NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

### EROSION CONTROL BLANKETS - SLOPE INSTALLATION

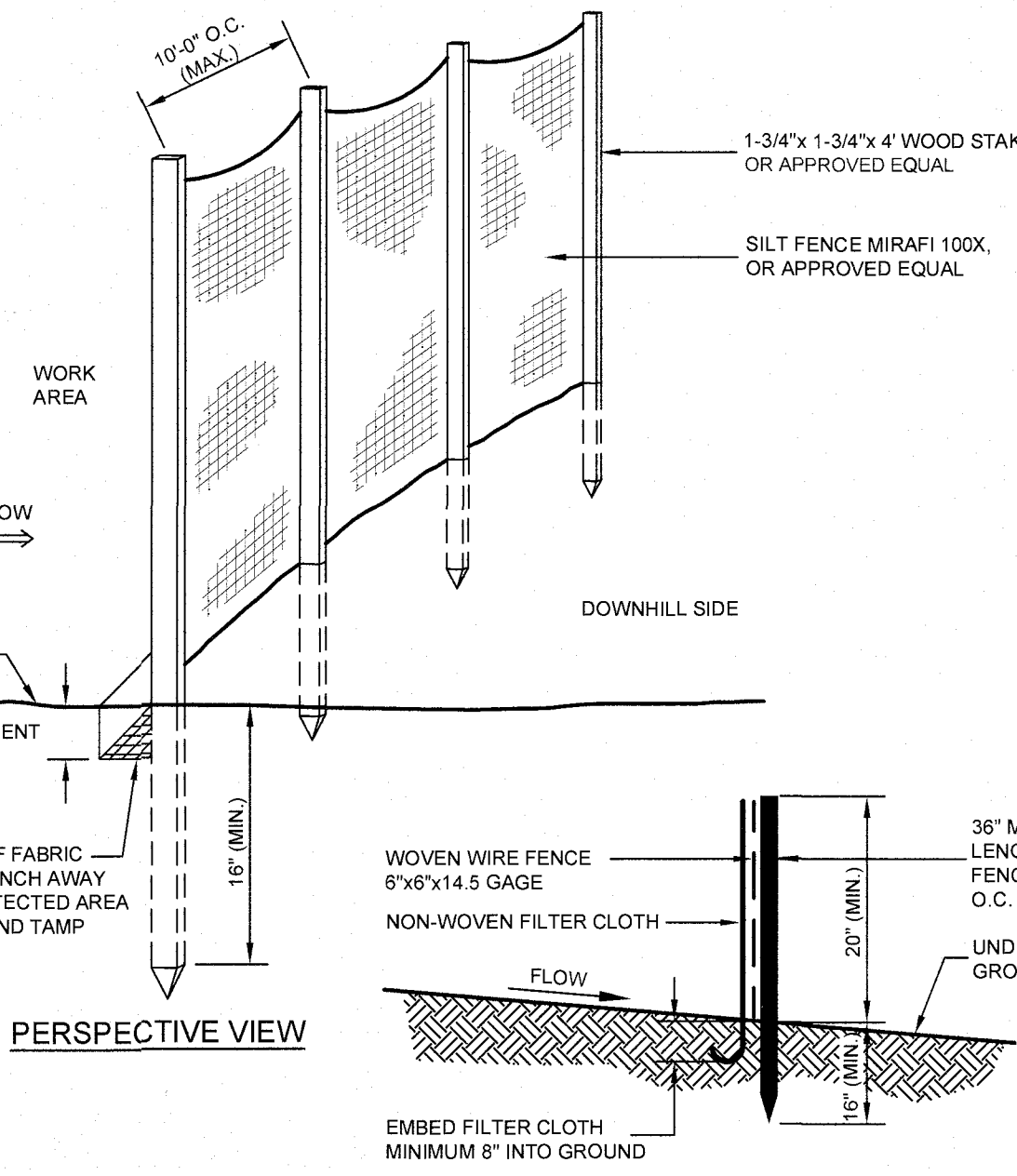
NOT TO SCALE

(AUGUST 2011)



### EROSION CONTROL BLANKETS - SWALE INSTALLATION

NOT TO SCALE



### SILT FENCE DETAIL

NOT TO SCALE

### SECTION

## CONSTRUCTION SEQUENCE:

THE FOLLOWING CONSTRUCTION SEQUENCE IS A GENERAL GUIDELINE FOR THE CONTRACTOR TO FOLLOW. ADJUSTMENTS SHALL BE MADE DUE TO WEATHER CONDITIONS, PERMIT CONDITIONS AND/OR MARKET CONDITIONS. THE CONSTRUCTION SEQUENCE SHALL ALSO BE ADJUSTED ACCORDING TO THE REQUIREMENTS OF EACH PHASE.

1. CONTRACTOR TO NOTIFY DIG-SAFE 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. 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 SHALL BE MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:55 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
3. 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. INSTALL STABILIZED CONSTRUCTION EXIT AT LOCATION OF CONSTRUCTION ACCESS AT LOCATION OF INTERSECTION WITH EXISTING PAVEMENT.
4. 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.
5. CONSTRUCT AND STABILIZE ALL DITCHLINES AND POND(S) PRIOR TO DIRECTING FLOW INTO THEM.
6. CONSTRUCT THE DRAINAGE SYSTEM AND OTHER SUBSURFACE UTILITIES AS ROUGH GRADES ARE ESTABLISHED.
7. 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 TEMPORARY EROSION CONTROL MEASURES 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.
8. COMPLETE CONSTRUCTION OF ROADWAY EMBANKMENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.
9. 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 TOPDRESSING, FINISHED SECTIONS ARE TO BE LIMED, SEEDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS HAS BECOME ESTABLISHED.
10. PERFORM FINE GRADING OF ROADWAY BASE MATERIALS.
11. PAVE ROADWAY BINDER COURSE AND PLACE BITUMINOUS CURBING. TEMPORARY PAVEMENT MARKINGS AND THE ROAD NAME AND STOP SIGN SHALL BE INSTALLED.
12. UPON APPROVAL FROM THE TOWN OF CHESTER AHD, ALL RIMS CAN BE ADJUSTED AND THE WEARING COURSE OF PAVEMENT PLACED.
13. 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).
14. AFTER STABILIZATION, REMOVE AND SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.
15. 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 DRAINAGE SYSTEMS ACROSS DITCHLINES SHALL HAVE CULVERTS INSTALLED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
16. 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.
17. FINAL CLEAN UP OF THE RIGHT-OF-WAY SHALL BE COMPLETED.

## EROSION CONTROL NOTES:

1. EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. AT NO TIME SHALL MORE THAN FIVE (5) ACRES OF SITE AREA BE IN AN UNSTABLE CONDITION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING THIRTY (30) CALENDAR DAYS.
2. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN 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" OF RAINFALL OR MORE. THEY SHALL BE CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL DISTURBED AREAS DESIGNATED TO BE TURF, SHALL RECEIVE A MINIMUM APPLICATION OF 4 INCHES OF LOAM (COMPACTED THICKNESS), PRIOR TO FINAL SEEDING AND MULCHING.
4. ALL SWALES AND DITCHLINES SHALL BE PERIODICALLY CLEARED OF DEPOSITED SEDIMENT SO AS TO MAINTAIN AN EFFECTIVE GRADE AND CROSS SECTION. ALL SWALES AND DITCHLINES SHALL BE FULLY STABILIZED PRIOR TO HAVING STORMWATER DIRECTED TOWARDS THEM.
5. IN THE EVENT THAT, DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE ALL INCOMPLETE WORK AND PROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.
6. 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.
7. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD, IN ACCORDANCE WITH ENVA-1000.
8. IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.
9. AREAS HAVING FINISH GRADE SLOPES OF 3:1 OR STEEPER, SHALL BE STABILIZED WITH JUTE MATTING WHEN AND IF FIELD CONDITIONS WARRANT, OR SO ORDERED. JUTE MATTING INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL. "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION."
10. ALL DETENTION PONDS AND TREATMENT SWALES SHALL BE CONSTRUCTED PRIOR TO ANY EARTH MOVING ACTIVITIES THAT WILL INFLUENCE STORMWATER RUNOFF.
11. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
12. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
13. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, EXCEPT FOR SILT FENCE INSTALLED IN ACCORDANCE WITH ENVA-WQ 1506.04, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, ROCK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN WELDED PLASTIC, PLASTIC, OR MULTI-FILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCH.
14. TURF REINFORCEMENT MATS SHALL BE COVERED WITH SOIL TO PREVENT EXPOSURE OF THE MATS TO THE SURFACE.

## CONSTRUCTION DETAILS

### COLBY FARM SUBDIVISION

MAP 15 LOT 18 & MAP 5 LOT 97

181 HAVERHILL ROAD

CHESTER, NEW HAMPSHIRE

ROCKINGHAM COUNTY

### OWNER AND APPLICANT

LIFESTYLE HOMES OF CHESTER, LLC.

3 MYLES DRIVE

DERRY, N.H. 03038

BK. 6191 PG. 713

**KMA**

KEACH-NORDSTROM ASSOCIATES, INC.

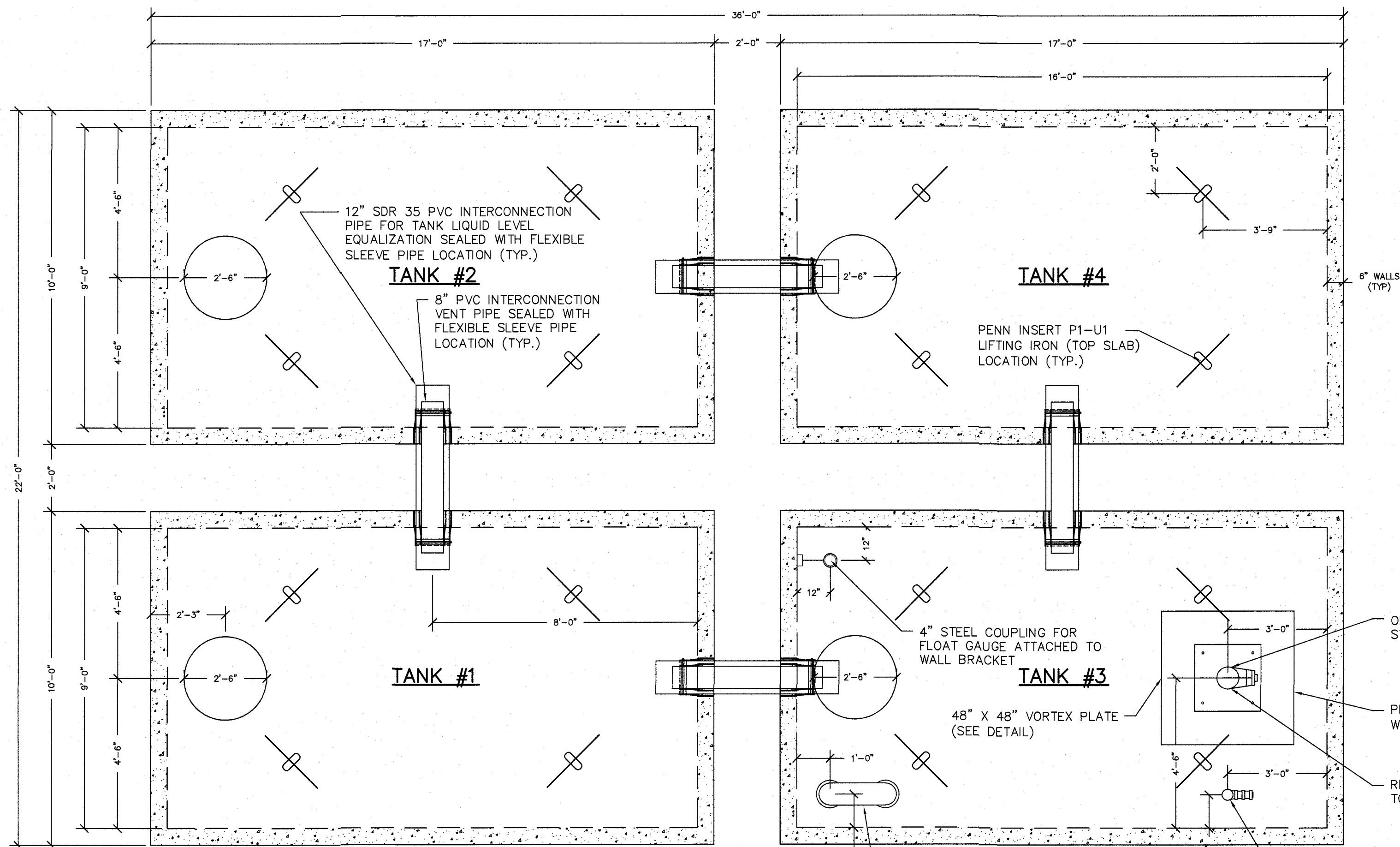
Civil Engineering Land Surveying Landscape Architecture

10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



REVISIONS			
No.	DATE	DESCRIPTION	BY
2	06-18-2022	REVISED TOWN COMMENTS	SCV
3	07-08-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: AS SHOWN	
PROJECT NO: 20-1221-4		SHEET 18 OF 20	





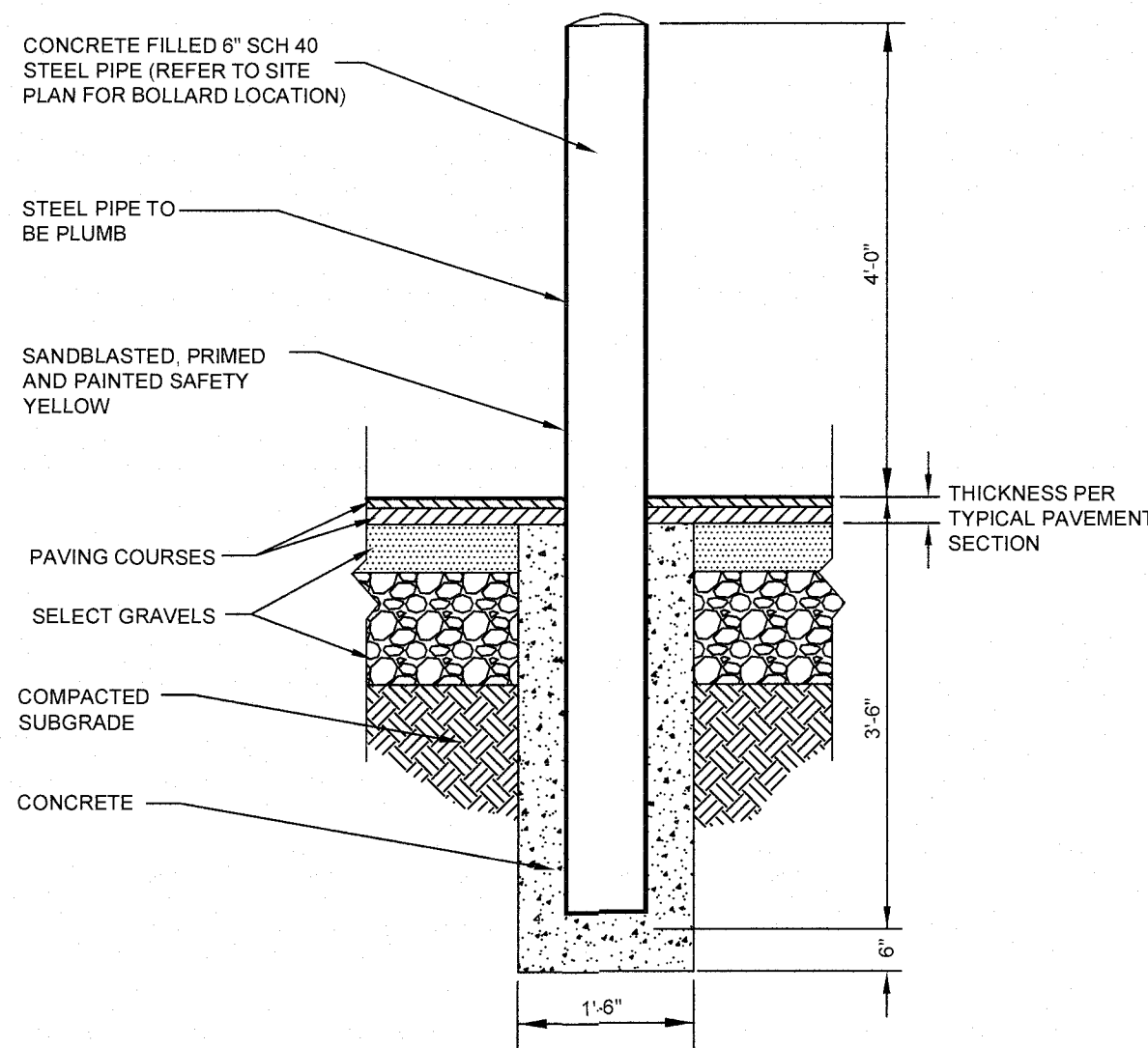
1  
S1.0  
PLAN VIEW  
3/8" = 1'-0"

**CISTERN FOUNDATION & BACKFILL NOTES:**

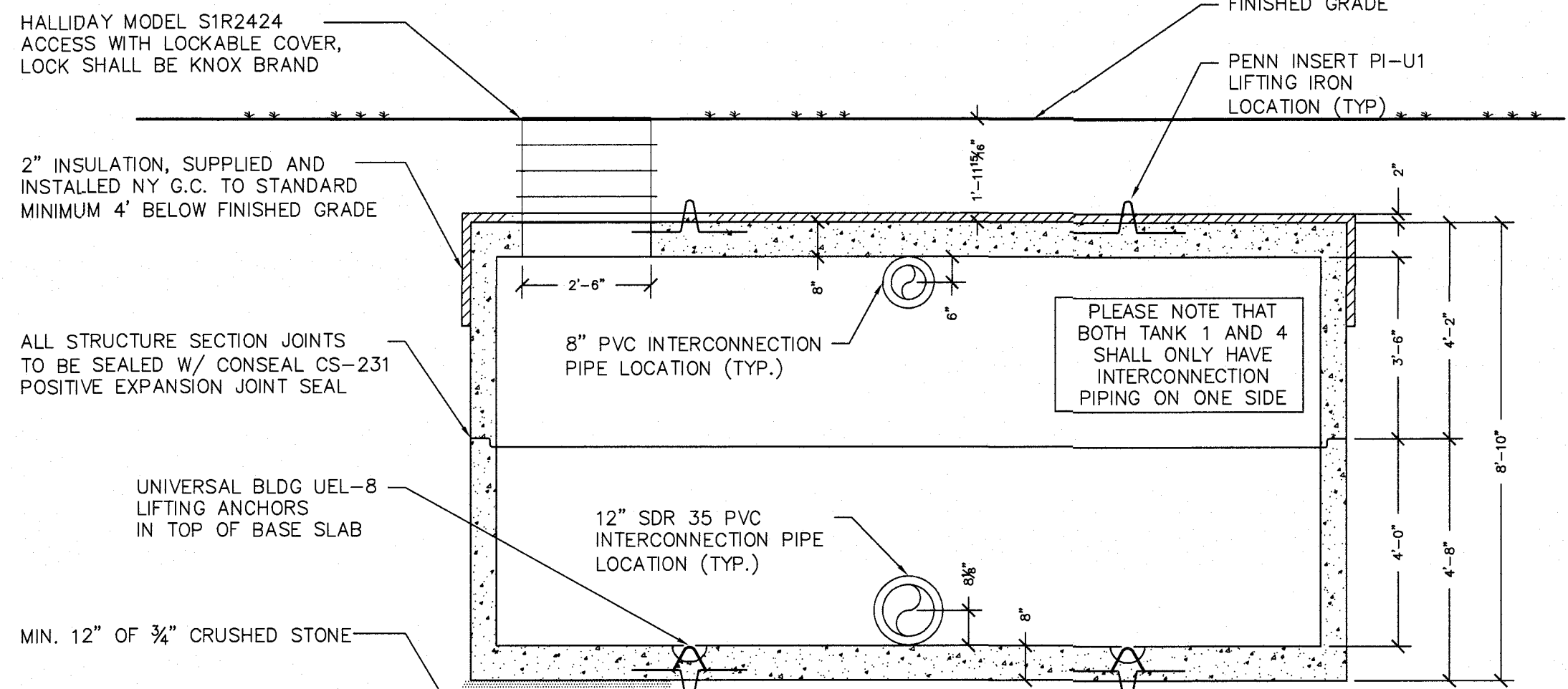
1. CISTERN FOUNDATION MATERIAL SHALL BE 3/4" CRUSHED STONE, MINIMUM 12" THICK.
2. 1 1/2" BANK RUN GRAVEL SHALL BE USED FOR BACKFILL OPERATIONS SURROUNDING TANK. BACKFILL SHALL BE PLACED IN MAXIMUM 12" LOOSE LIFTS. IT SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY BY MODIFIED PROCTOR METHOD (ASTM 1557). ALL COMPACTION SHALL BE DONE WITH HAND-OPERATED COMPACTION EQUIPMENT.
3. TANK EXCAVATION SHALL BE KEPT DEWATERED THROUGHOUT INSTALLATION AND BACKFILL OPERATIONS.
4. 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.
5. ALL BACKFILL MATERIAL BETWEEN TANKS SHALL BE PLACED IN 12" LIFTS AT THE SAME TIME AS THE MATERIAL SURROUND THE TANKS.

**NOTES:**

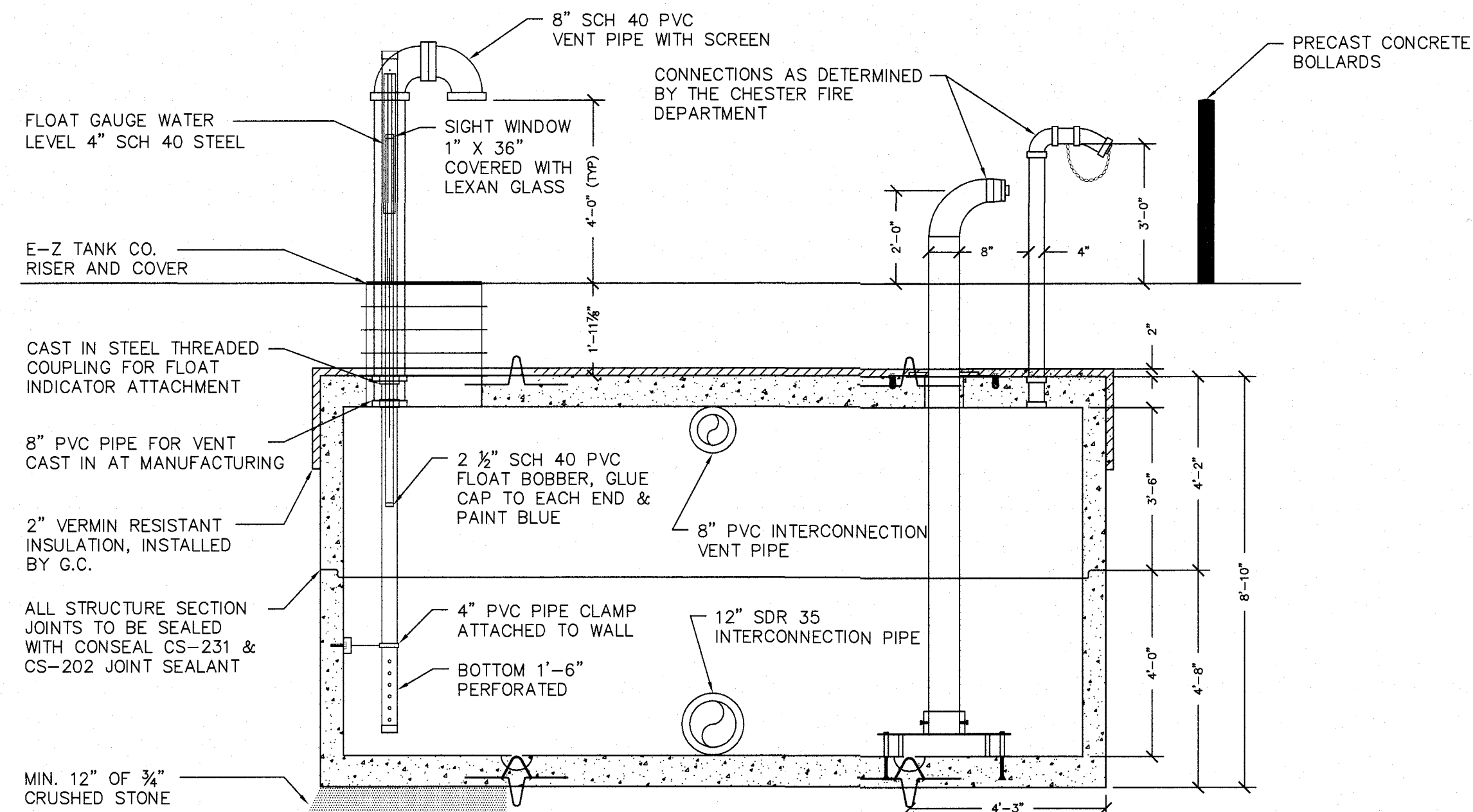
1. CONCRETE: 5,000 PSI @ 28 DAYS.
2. REINFORCING TO BE PER ASTM A-615, GRADE 60 DEFORMED BILLET STEEL WITH 1" MINIMUM COVER UNLESS OTHERWISE NOTED.
3. REINFORCED TO MEET OR EXCEED REQUIREMENTS OF AASHTO HS20-44.
4. ALL SECTION JOINTS SEALED WITH BUTYL RUBBER JOINT SEALANT PER ASTM C-990 & AASHTO M-198.
5. EXTERIOR TO BE COATED WITH CONSEAL CS-55 ACRYLIC COATING OR SEABOARD LN-12 ASPHALT GILSONITE PAINT THAT MEETS THE REQUIREMENTS OF FEDERAL SPECIFICATION TT-C-494, TYPES I, II & III.
6. SECTIONS WEIGHTS: BASE - 8.05 YDS<sup>3</sup>, 33,800#. TOP - 7.32 YDS<sup>3</sup>, 30,744#.
7. CONTRACTOR SHALL FILE FOR A CISTERN PERMIT AND PROVIDE FINAL CONSTRUCTION DRAWINGS TO THE CHESTER FIRE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL FILL TANKS WITH FULL VOLUME OF CLEAR WATER UPON COMPLETION.



BOLLARD DETAIL  
NOT TO SCALE  
(MARCH 2008)



2  
S1.0  
TANKS 1,2 & 4 ELEV. VIEW  
3/8" = 1'-0"

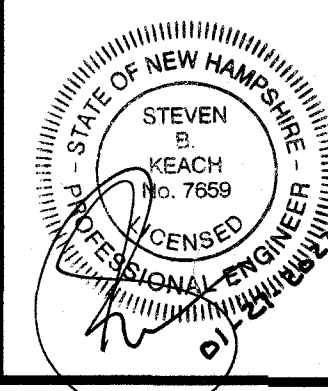


3  
S1.0  
TANK 3 ELEV. VIEW  
3/8" = 1'-0"

**CISTERN DETAILS**  
**COLBY FARM SUBDIVISION**  
MAP 15 LOT 18 & MAP 5 LOT 97  
181 HAVERHILL ROAD  
CHESTER, NEW HAMPSHIRE  
ROCKINGHAM COUNTY

**OWNER AND APPLICANT**  
LIFESTYLE HOMES OF CHESTER, LLC.  
3 MYLES DRIVE  
DERRY, N.H. 03038  
BK. 6191 PG. 713

**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
2	05-18-2022	REVISED TOWN COMMENTS	SCV
3	07-06-2022	REVISED D&K COMMENTS	JDL
4	07-26-2022	REVISED D&K COMMENTS	JDL
5	08-01-2022	REVISED TOWN PLANNER COMMENTS	JDL
6	08-24-2022	REVISED BERM AND SHORELAND	JDL
7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT	JDL
DATE: NOVEMBER 10, 2021		SCALE: AS SHOWN	
PROJECT NO: 20-1221-4		SHEET 19 OF 20	



<div><div>TP #1</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6"</div><div>26" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM, FEW ROOTS</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #2</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>36" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 5/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #3</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>32" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 5/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #4</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>24 E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 7/4, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 6/3, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #5</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>24 E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #6</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>24 E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #7</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>40" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #8</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>36" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #9</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div>36" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #27</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 5-10-2022 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>12"</div><div></div><div>24" BOTTOM OF HOLE</div><div>TOPSOIL</div><div></div><div>2.5Y 5/6, SAND</div></div></div>
<div><div>TP #10</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6"</div><div>36" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/4, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #11</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>10"</div><div>34" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 5/3, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 6/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #12</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>10"</div><div>32" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 4/2, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 5/1, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #13</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>10"</div><div>32" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 4/2, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 5/1, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #14</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>10"</div><div>32" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #15</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6"</div><div>24" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/4, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 5/4, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #16</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6"</div><div>24" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/4, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 5/4, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #17</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6"</div><div>21" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #18</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6"</div><div>21" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #28</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 5-10-2022 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>6" S.H.W.T.</div><div>12" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 5/1</div></div></div>
<div><div>TP #19</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>32" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #20</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>24" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #21</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>24" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #22</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>24" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #23</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>22" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #24</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>22" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #25</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>22" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>	<div><div>TP #26</div><div>LOGGED BY GPC PERC TEST @ 20" DATE: 7-6-2021 PERC RATE: 8 MIN./INCH IMPERVIOUS LAYER: NONE WATER ENCOUNTERED: NONE</div><div><div>0"</div><div>4"</div><div>22" E.S.H.W.T.</div><div>60" BOTTOM OF HOLE</div><div>TOPSOIL</div><div>10YR 6/6, GRANULAR, FRIABLE, FINE SANDY LOAM</div><div>10YR 7/2, FIRM, SAND, PLATY W/ REDOX FEATURES</div></div></div>		

TEST PIT LOGS

COLBY FARM SUBDIVISION

MAP 15 LOT 18 & MAP 5 LOT 97

181 HAVERHILL ROAD

CHESTER, NEW HAMPSHIRE

ROCKINGHAM COUNTY

OWNER AND APPLICANT

LIFESTYLE HOMES OF CHESTER, LLC.

3 MILES DRIVE

DERRY, N.H. 03038

BK. 6191 PG. 713

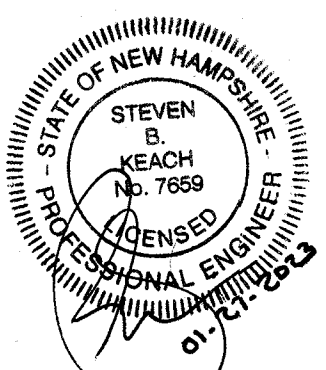
STEVEN B KEACH

No. 7659

STATE OF NEW HAMPSHIRE

REVISIONS

No.	DATE	DESCRIPTION
2	05-18-2022	REVISED TOWN COMMENTS
3	07-08-2022	REVISED D&K COMMENTS
4	07-28-2022	REVISED D&K COMMENTS
5	08-01-2022	REVISED TOWN PLANNER COMMENTS

TEST PIT LOGS COLBY FARM SUBDIVISION MAP 15 LOT 18 & MAP 5 LOT 97 181 HAVERHILL ROAD CHESTER, NEW HAMPSHIRE ROCKINGHAM COUNTY			
OWNER AND APPLICANT LIFESTYLE HOMES OF CHESTER, LLC. 3 MYLES DRIVE DERRY, N.H. 03038 BK. 6191 PG. 713			
K&A KEACH-NORDSTROM ASSOCIATES, INC. Civil Engineering    Landscape Architecture 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881			
	REVISIONS		
	No.	DATE	DESCRIPTION
	2	05-18-2022	REVISED TOWN COMMENTS
	3	07-08-2022	REVISED D&K COMMENTS
	4	07-28-2022	REVISED D&K COMMENTS
	5	08-01-2022	REVISED TOWN PLANNER COMMENTS
	6	08-24-2022	REVISED BERM AND SHORELAND
	7	01-05-2023	REV. PER CONDITIONS OF APPROVAL & AOT
DATE: NOVEMBER 10, 2021		SCALE: AS SHOWN	
PROJECT NO: 20-1221-4		SHEET 20 OF 20	