### ABUTTER LIST

23-1 STEPHEN CURRIE PO BOX 85 NORTH READING, MA 01864

22–64 KATHY WALKER 108 AMHERST STREET MILFORD, NH 03055

22-63 HENRIETTA M. & RAYMOND COLLINS 104 AMHERST STREET MILFORD, NH 03055

22-57 ROSS MACLAREN 23 NORTH STREET MILFORD, NH 03055

22–58 PETER F. MORAN III PO BOX 232 MILFORD, NH 03055

MARTIN FAMILY REVOCABLE TRUST 132 AMHERST STREET MILFORD, NH 03055

3–84 BARTLETT

3-84-2 & 23-4 DEBRA A. DUNNE 138 AMHERST STREET MILFORD, NH 03055

22-58-1 & 3-98 NORMAN & JENNIFER FISK PO BOX 612 AMHERST, NH 03031

## SHEET INDEX

- 1. COVER SHEET
- 2. EXISTING CONDITIONS BOUNDARY SHEET
- 3. SUBDIVISION PLAN
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- 6. P-3, AMHERST STREET PLAN & PROFILE

- 9. D-1, CONSTRUCTION DETAILS
- 10. D-2, DRAINAGE DETAILS
- 11. D-3, EROSION DETAILS 12. D-4, SEWER LINE DETAILS
- 13. D-5, WATER LINE DETAILS (1)
- 14. D-6, WATER LINE DETAILS (2)

## OWNER'S SIGNATURES,

RICHARD N. KEOGH

DATE

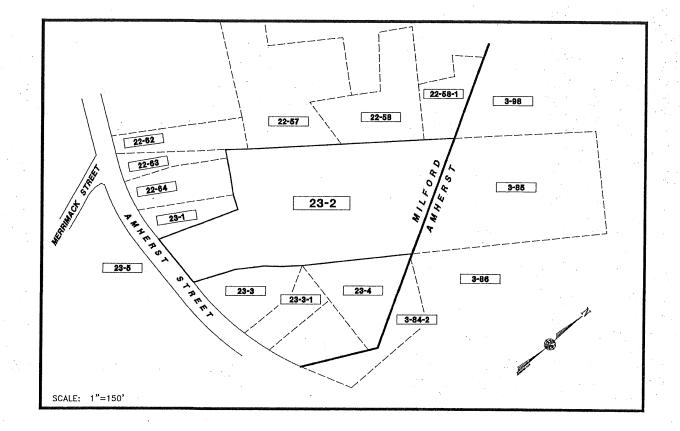
## **APPROVED**

MILFORD, NH PLANNING BOARD SUB DIVISION # DATE APPROVED:

# GRAPHIC SCALE C/O DR CK DESCRIPTION

## REFERENCE PLANS

- 1. "SUBDIVISION PLAN TAX MAP 23 LOT 3 LAND OF: GWENDOLYN R. & SCOTT A. KRAUSS AMHERST STREET MILFORD & AMHERST, NEW HAMPSHIRE" SCALE: 1"=40' DATED SEPTEMBER 15, 2015. PREPARED BY THIS OFFICE AND RECORDED AT H.C.R.D. AS PLAN ∦38767.
- 2. "BARTLETT COMMON CONDOMINIUM SITE PLAN AMHERST STREET & NORTH STREET AMHERST, NEW HAMPSHIRE PREPARED FOR: STARTER BUILDING & DEVELOPMENT, LLC 20 TRAFALGAR SQUARE, SUITE 109 - NASHUA, NH 03063" SCALE: 1"=100' DATED MAY 24, 2000. PREPARED BY TF MORAN AND RECORDED AT H.C.R.D. AS PLAN #30504.
- 3. "LOT LINE ADJUSTMENT PLAN MAP 22 / LOTS 52, 53, 57 & 58 (MILFORD) & MAP 3 / LOT 98 (AMHERST) ROSS & SANDRA GANGLOFF, JEFFREY M. & LISA C. SZELEST, BRANDI THOMPSAON & ERIC KILBANE, OCRAH LAND DEVELOPMENT, LLC AND NORMAN & JENIFER FISK NORTH STREET TOWN OF MILFORD & AMHERST HILLSBOROUGH COUNTY, NEW HAMPSHIRE" SCALE: 1"50" DATED AUGUST 3, 2007. PREPARED BY SANFORD SURVEYING AND ENGINEERING AND RECORDED AT H.C.R.D. AS PLAN #35842.
- 4. "BOUNDARY PLAN OF LAND TAX MAP LOT 22-64 FRANK C., SR. & PATRICIA A. STOREY MILFORD, NEW HAMPSHIRE" SCALE: 1"=50' DATED APRIL 10, 2002. PREPARED BY THIS OFFICE.

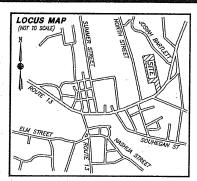


## MERIDIAN DESIGN PROFESSIONALS:









- 1. THE OWNER OF TAX MAP LOT 23—2 IS RICHARD N. KEOGH. 118
  AMHERST STREET, MILFORD NEW HAMPSHIRE. SEE H.C.R.D. BK. 1615 DATED
- 2. THE PURPOSE OF THIS PLAN IS TO DEPICT A 8 LOT CONVENTIONAL SUBDIVISION OF TAX MAP LOT 23-2, TO BE ACCESSED BY A PUBLIC ROAD AND UNDERGROUND UTILITIES.
- 3. TOTAL AREA OF THE SITE IS 6.726 ACRES OR 292,993 SQ. FT.
- 4. ZONING FOR THE SITE IS RESIDENCE "A". MINIMUM REQUIREMENTS ARE: 15,000 S.F. OF AREA WITH MUNICIPAL SEWER & WATER & 100' OF ROAD FRONTAGE. SETBACKS ARE: 30' FRONT & 15' SIDE & REAR.
- 5. THE SITE LIES OUTSIDE OF THE 100 YEAR FLOOD HAZZARD AREA ON F.I.R.M. COMMUNITY PANEL MAP NUMBER 33011C0459D EFFECTIVE DATE SEPTEMBER 25, 2009.
- 6. THE SITE LIES WITHIN THE LEVEL 1 PROTECTION AREA OF THE GROUNDWATER PROTECTION OVERLAY DISTRICT AND IS SUBJECT TO GROUNDWATER PROTECTION OVERLAY DISTRICT REGULATIONS.
- 7. THE PROPOSED LOTS MAY BE SUBJECT TO IMPACT FEES.
- 8. HORIZONTAL ORIENTATION AND VERTICAL DATUM ARE BASED ON REFERENCE PLAN #1,
- 9. WETLANDS SHOWN WERE DELINEATED IN ACCORDANCE WITH THE ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 AND THE NORTHEAST REGIONAL SUPPLEMENT, BY SPENCER C. TATE C.W.S. OF THIS OFFICE IN DECEMBER, 2018.
- 10. PROPOSED LOTS 23-2-5 & 23-2-6 ARE SUBJECT TO A PROPOSED COMMON DRIVEWAY EASEMENT AS SHOWN AND PROPOSED LOT 23-2-7 IS SUBJECT TO A PROPOSED DRAINAGE EASEMENT AS SHOWN
- 11. NO RECORDED EASEMENTS OR DEED RESTRICTIONS WERE FOUND FOR THE PARENT LOT 23-2.
- 12. ALL WATER, SEWER, ROAD AND DRAINAGE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF MILFORD'S WATER UTILITIES DEPARTMENT AND PUBLIC WORKS DEPARTMENTS STANDARDS.
- 13. A SIGN, READING AS FOLLOWS, MUST BE POSTED AT THE ENTRANCE TO THE SUBDIVISION PRIOR TO ANY CERTIFICATE OF OCCUPANCY BEING ISSUED. "THIS ROAD HAS NOT BEEN ACCEPTED BY THE TOWN OF MILIFORD. UNTIL THIS ROAD HAS BEEN ACCEPTED, THE TOWN ASSUMES NO RESPONSIBILITY FOR MAINTENANCE INCLUDING SNOW REMOVAL, NOR ANY LIABLITY FOR DAMAGE RESULTING FROM THE USE OF THIS ROAD, POSTED BY THE TOWN OF MILFORD."
- 14. THE PROPOSED PRIVATE RIGHT OF WAY IS NOT TO BE CONSIDERED A BUILDING LOT, BUT WILL BE CONVEYED TO THE OWNER OF AMHERST LOT 3-85 AND SHALL BE CONSIDERED A CONTIGUOUS PART THEREOF.

SUBDIVISION PLAN LAND OF:

# RICHARD N. KEOGH

TAX MAP 23 LOT 2 MILFORD, NEW HAMPSHIRE

SCALE: AS SHOWN

MAY 28, 2019



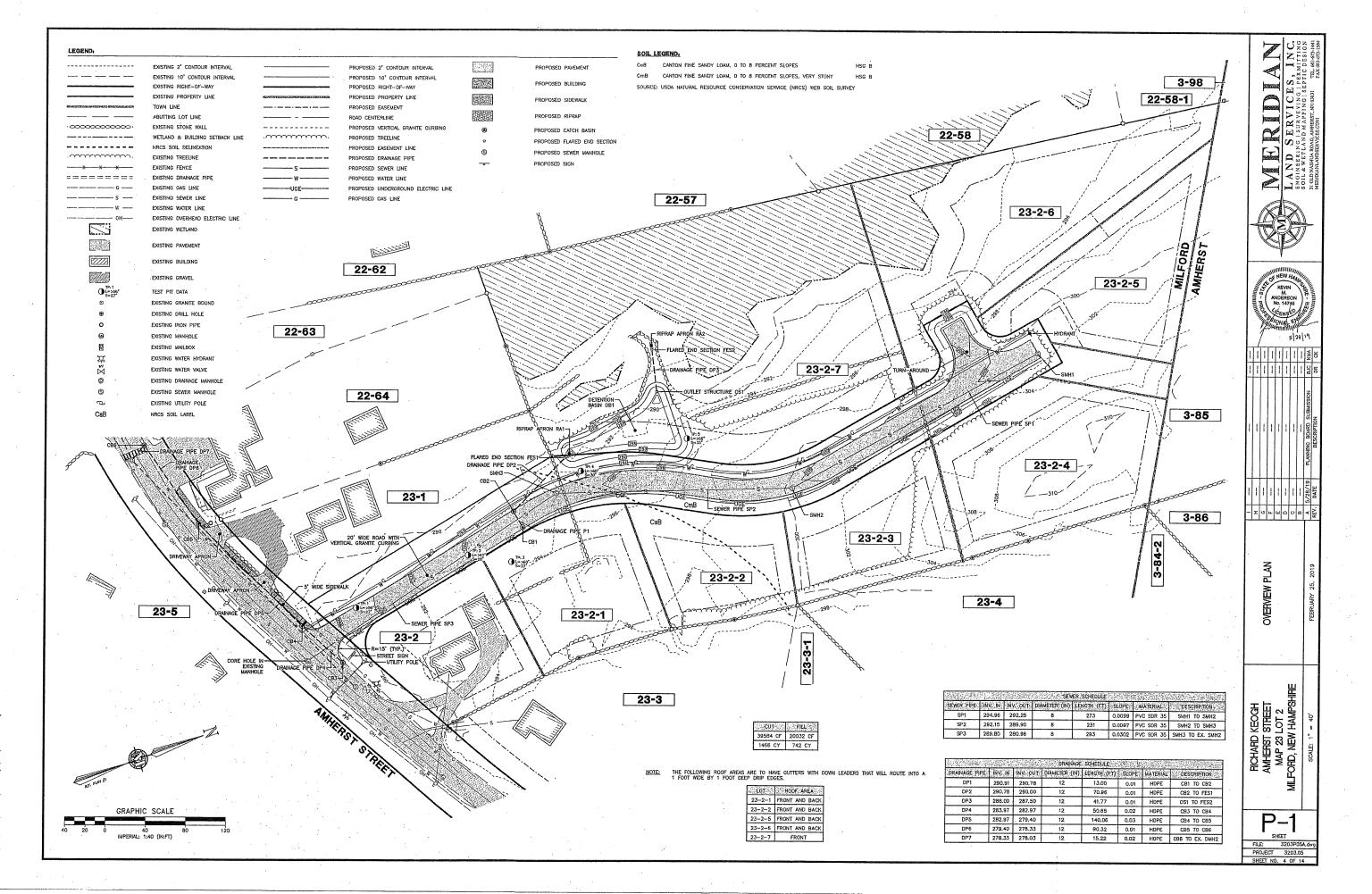
LAND SERVICES.

ENGINEERING | SURVEYING | PERMITTING SOIL & WETLAND MAPPING | SEPTIC DESIGN 31 OLD NASHUA ROAD, AMHERST, NH 03031 MERIDIANLANDSERVICES.COM

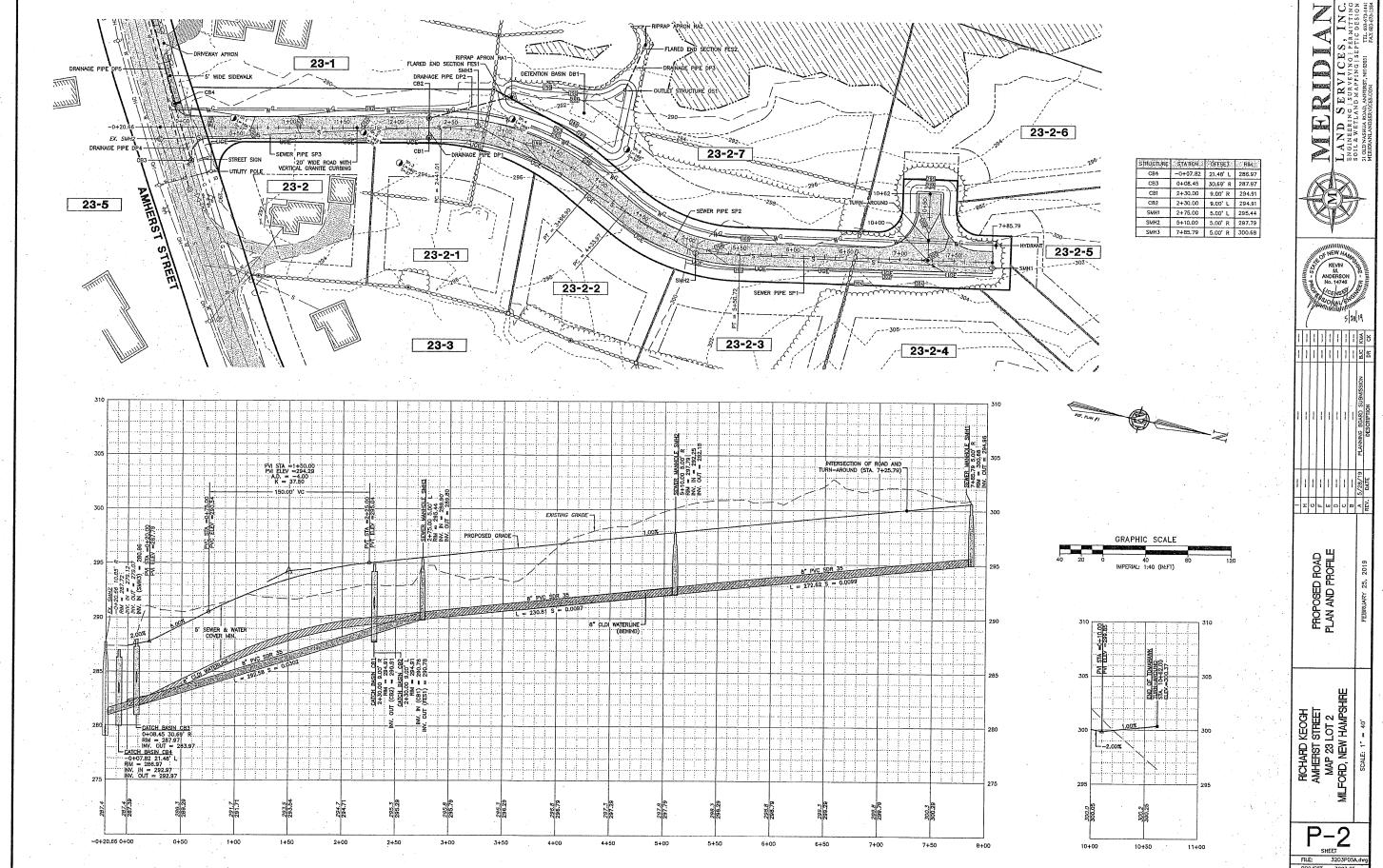
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PROJECT NO. 3203.05 SHEET NO. 1 OF 14

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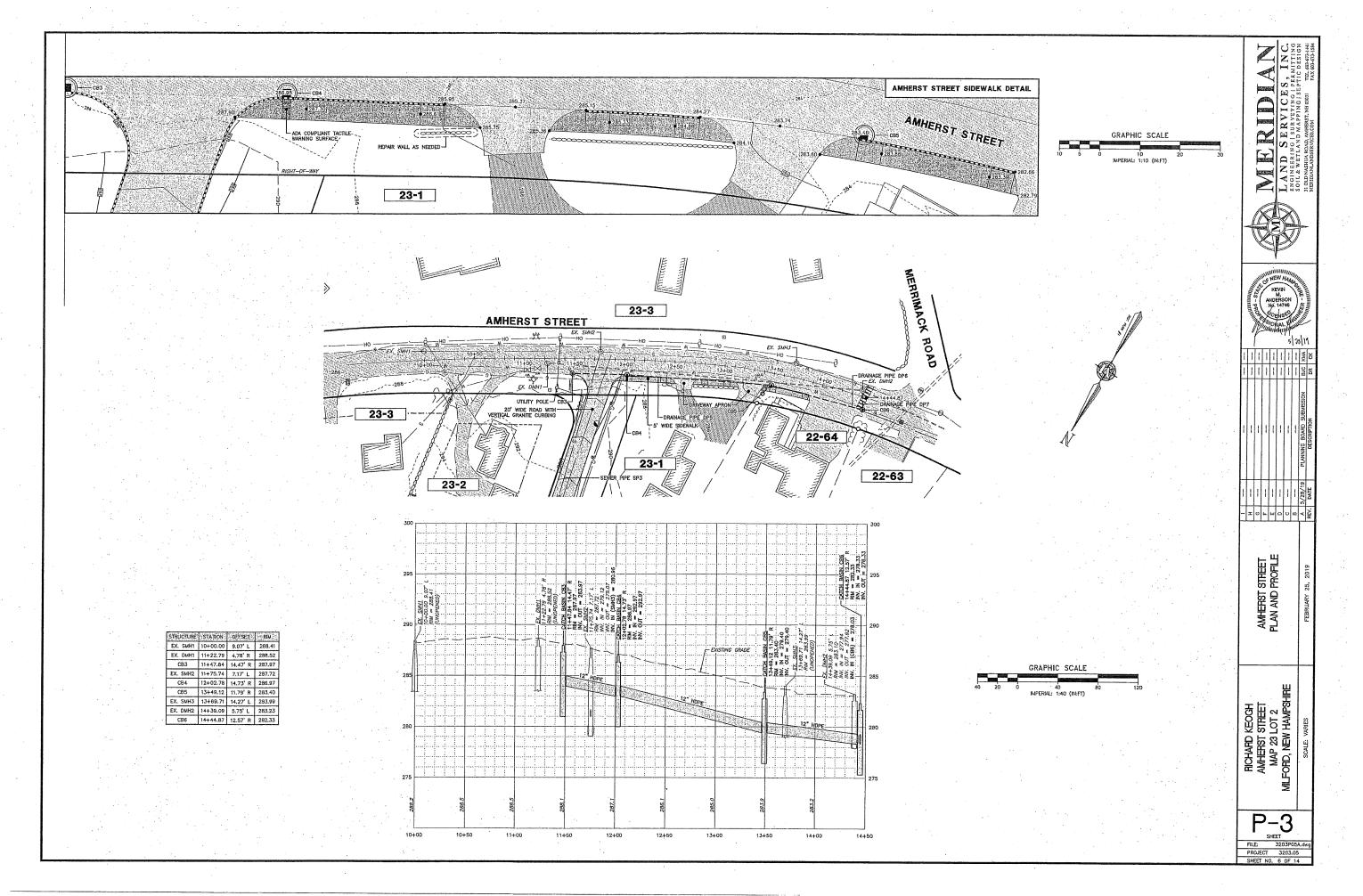


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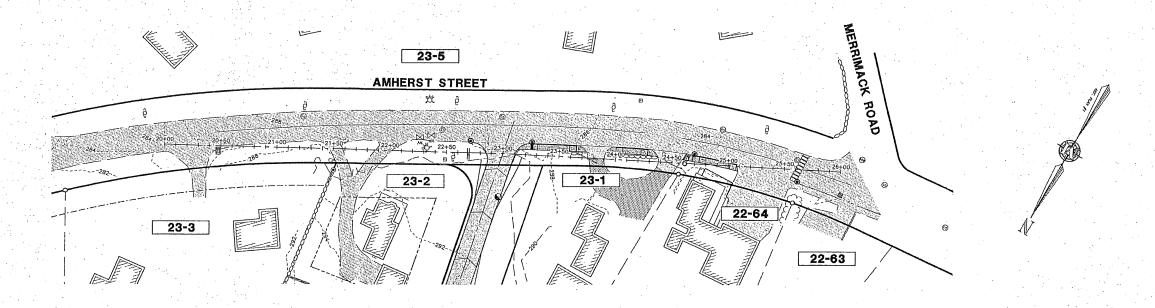


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PROJECT 3203,05
SHEET NO. 5 OF 14

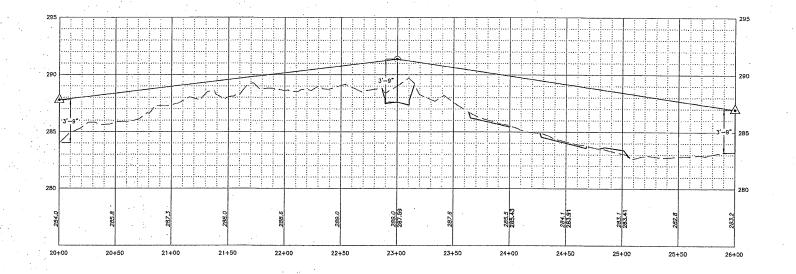


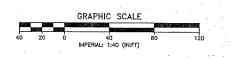
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## SIGHT DISTANCE REQUIREMENTS

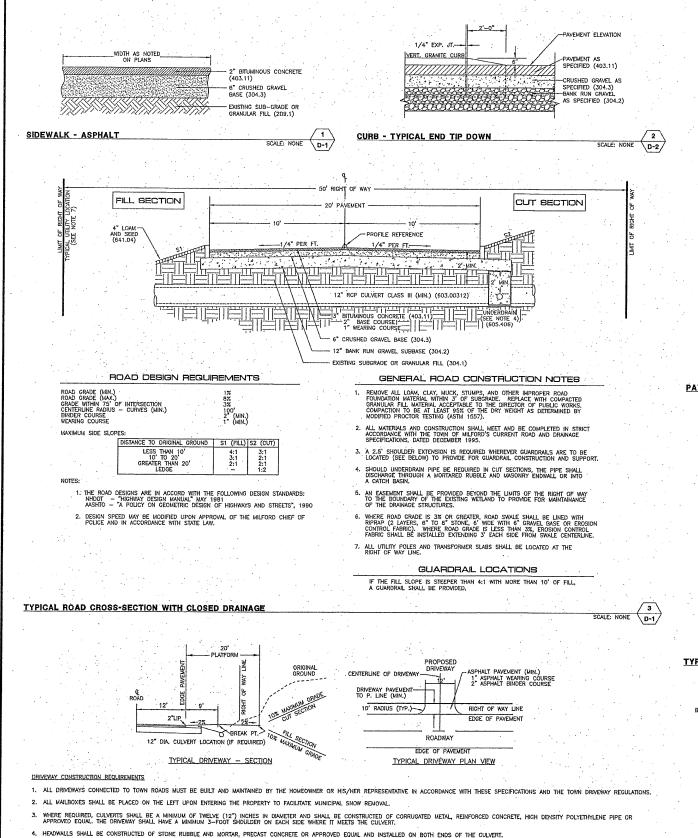
POSTED SPEED LIMIT ON AMHERST STREET: 30 MPH
REQUIRED SIGHT DISTANCE: 300 FEET (FOR 26-35 MPH SPEED LIMIT)

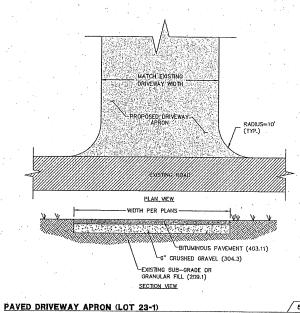


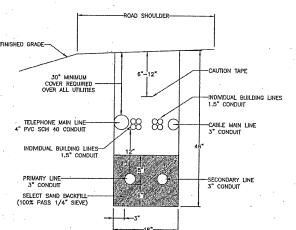


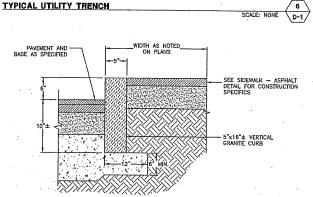
LAND SERVICES, ENGINEERING I SURVEYING I PER SOLIC E WETLAND MAPPING I SERVICES. SIGHT DISTANCE PLAN AND PROFILE RICHARD KEOGH AMHERST STREET MAP 23 LOT 2 MILFORD, NEW HAMPSHIRE

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VERTICAL GRANITE CURB - ASPHALT SIDEWALK

SCALE: NONE D-1

SCALE: NONE D-1

SIGNS & POST



5 38 10

RICHARD KEOGH AMHERST STREET MAP 23 LOT 2 MILFORD, NEW HAMPSHIRE

SHEET 3203P0 PROJECT 3203.05

SCALE: NONE D-1

STREET SIGN NOTES:

1. STREET SIGN SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD SIGN TYPE D3-1, GREEN IN COLOR DIALESS OTHERWISE SPECIFIED BY THE TOWN.

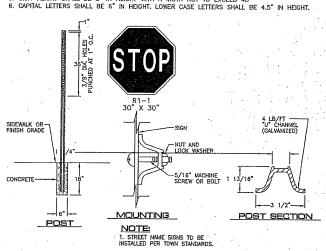
STREET SIGN SHALL COMFORM TO THE LATEST EDITION OF THE MUTCD IN SIGN LOCATION, MOUNTING HEIGHT, SIGN HEIGHT AND WIDTH AND TEXT HEIGHT AND STYLE.

1. LETTERING ON POST-MOUNTED STREET NAMES SIGNS SHOULD BE COMPOSED OF INITIAL UPPER-CSE LETTERS AT LEAST 6 INCHES IN HEIGHT AND LOWER CASE LETTERS AT LEAST 4.5 INCHES IN HEIGHT.

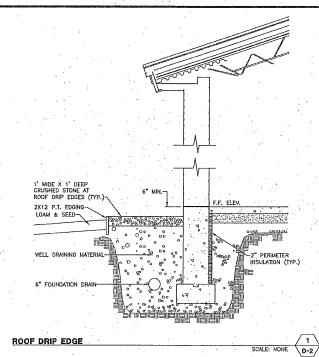
4. STREET NAME SIGN SHALL BE RETROREFLECTIVE TO SHOW THE SAME SHAPE AND COLOR BOTH DAY AND NIGHT. NAME AND BORDER SHALL CONTRAST WITH THE BACKGROUND COLOR.

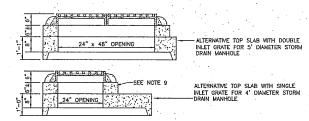
5. SIGN HEIGHT SHALL BE 8" IN HEIGHT WITH A WIDTH NOT TO EXCEED 48"

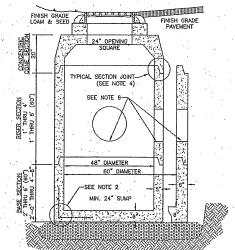
6. CAPITAL LETTERS SHALL BE 6" IN HEIGHT, LOWER CASE LETTERS SHALL BE 4.5" IN HEIGHT.



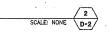
TYPICAL DRIVEWAY

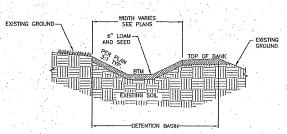






## GENERAL NOTES





- CONSTRUCTION NOTES:

  1. THE BOTTOM OF THE EXCAVATION SHALL BE SHAPED PER PLAN AND MODERATELY COMPACTED PRIOR TO INSTALLATION OF 6" SILTY LOAM LAYER.

  2. THE SIDES AND OF THE DETENTION BASIN SHALL HAVE 6" OF LOAM AND TYPE C SEED FOR ESTABLISHMENT OF VEGETATION.
- NOTES:

  1. DO NOT PLACE DETENTION BASINS INTO SERVICE UNTIL THE CONTRIBUTING AREA HAS BEEN COMPLETELY STABILIZED.

- MAINTENANCE REQUIREMENTS:

  1. PERIODIC MOWING OF EMBANKMENTS.

  2. REMOVAL OF WOODLY VEGETATION FROM FILL EMBANKMENTS.

  3. REMOVAL OF DEBRIS FROM OUTLET STRUCTURES.

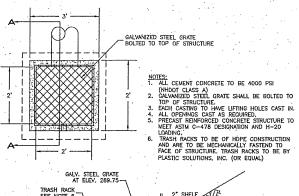
  4. REMOVAL OF ACCUMULATED SEGIMENT FOR THE FOREBAY AND DETENTION BASIN.

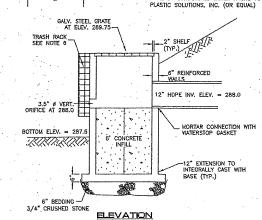
  5. INSPECTION AND REPAIR OF EMBANKMENTS, INLET AND OUTLET STRUCTURES AND APPURITENANCES.

LOCATION	BOTTOM ELEVATION	RIM ELEVATION
DB1	287.5	290.0

DETENTION BASIN - TYPICAL CROSS-SECTION

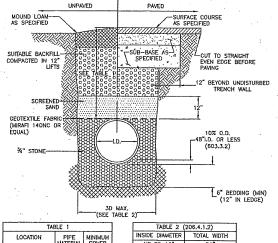






OUTLET STRUCTURE

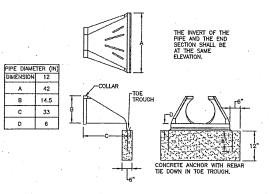




PIPE MINIMUM MATERIAL COVER 1.D. + 24\* 2 x 1.D. ALL ALL ALL ALL PAVED ROADS UNPAVED ROADS DRIVEWAYS UNPAVED AREAS 3 FT. 3 FT. 1 FT. 2 FT.

TYPICAL DRAINAGE TRENCH - HDPE





FLARED END SECTION - HDPE

SCALE: NONE D-2

SENERAL NOTES

1. STORM DRAIN MANHOLE SHALL BE SUPPUED BY CONCRETE SYSTEMS, INC., HUDSON, NH OR EQUAL.
REINFORCING STEEL SHALL CONFORM TO THE LATEST ASTM SPECIFICATION: 0.12 SO.IN./LINEAR FT.
AND 0.12 SO.IN. (BOTH WAYS) BASE BOTTOM.
CONCRETE COMPRESSIVE STEMENTH — 400D PSI MINIMUM.
TYPICAL SECTION JOINT SHALL BE SEALED WITH BUTTL, RUBBER AND SHALL CONFORM TO ASTM C443
SPEC. AND FED SPEC. SS-S-2-100.
MANHOLE DESIGN SPECIFICATIONS SHALL CONFORM TO THE LATEST ASTM C478 SPEC. FOR "PRECAST
REINFORCED CONCRETE MANHOLE SECTIONS".
ALL PIPMS SHALL BE SEALED WITH NON SHRINK GROUT.
ALTERNATIVE TO SLAU IS TO BE SEEL REINFORCED TO MEET OR EXCEED H—20 LOADING.
INLET GRATE AND TRAME IS TO BE REENANT MICORED TO MEET OR EXCEED H—20 LOADING.
NILET FRAME IS TO BE ADJUSTED TO GROUP WITH A MINIMUM OF TWO (2) COURSE OF BRICK OR
ONE SOLD CONCRETE RING AND GROUP. SEALED IN PLACE WITH NON SHRINK GROUT.
ONE SOLD CONCRETE RING AND GROUP. SEALED IN PLACE WITH NON SHRINK GROUT.
TO STORM DRAIN MANHOLE IS TO BE SET ON 6 "OF 3/4" STOKE BEDDING TO PIPES OF 24" IN DIAMETER OR
LESS. THE 60" DIAMETER STORM DRAIN MANHOLE SHALL BE RESTRICTED TO PIPES OF 36" IN DIAMETER OR
LESS. THE 60" DIAMETER STORM DRAIN MANHOLE SHALL BE RESTRICTED TO PIPES OF 36" IN DIAMETER OR
LESS. Plotted: 5/28/2019 1:35 PM By: BJC H:\MLS\03203\3203.05\0\_Drawings\ENG CATCH BASIN

5 28 19 1 1 1 1 1 1 XX RICHARD KEOGH AMHERST STREET MAP 23 LOT 2 MILFORD, NEW HAMPSHIRE D-2 FILE: 3203P05A.d PROJECT 3203.05

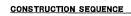
- STONE FOR STABILIZED CONSTRUCTION EXIT SHALL BE 3 INCH CRUSHED STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH HIGH BERM IS INSTALLED AT THE EXIT OF THE PROJECT SITE.
- THE THICKNESS OF THE STONE SHALL NOT BE LESS THAN 6 INCHES.
- THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE EXISTING POINT OF INGRESS/EGRESS OR 10 FEET, WHICH EVER IS GREATER.
- GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT, IF PIPING IS IMPRACTICAL, A BERN WITH 51; SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- THE EXIT SHALL BE MAINTAINED IN A CONSTION THAT WILL PREVENT TRACKING OR FLOWING OR SCHMEN ONLY DEBLA BIGHT-OF-MYS. THIS JAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONSTITIONS ELAMAD AND ADDITIONAL STONE AS CONSTITUTIONS ELAMAD AND OR CLEAN OUT OF ANY MASCAIRES USED TO TRACE SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
- WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO EXIT ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

## STABILIZED CONSTRUCTION EXIT

SCALE: NONE D-3

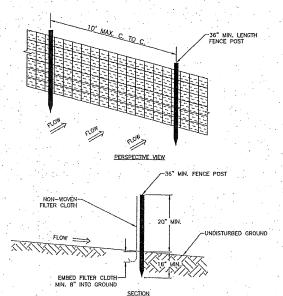


- 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S).
- 2. CUT AND CLEAR TREES; DISPOSE OF DEBRIS.
- INSTALL PERIMETER EROSION AND SECIMENTATION CONTROLS IN LOCATIONS SHOWN ON PLANS, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOUNTS OPERATION,
- PULL STUMPS AND REMOVE FROM SITE OR MULCH TO USE ON—SITE FOR EROSION CONTROL. REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. STABILIZE STOCKPILE IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
- CONSTRUCT PONDS, SWALES AND LEVEL SPREADERS DURING INTIAL PORTION OF CONSTRUCTION, PRIOR TO ROUGH GRADING THE SITE. STREAUZE IMMEDIATELY WITH LAMA AND SEED PER THE EROSION CONTROL NOTES, DO NOT DIRECT STORM WATER RINOFF TO PONDS, SWALES OR LEVEL SPREADERS UNTIL A HEALTHY VEGETATIVE COVER IS ESTABLISHED.
- 6. ROUGH GRADE THE SITE INCLUDING ROADS AND DITCHES, ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION OF ROUGH GRADING PER THE THE EROSION CONTROL NOTES.
- EXCAVATE FOR AND CONSTRUCT THE FOUNDATION OF THE PROPOSED BUILDING(S).
- 8. INSTALL DRAINAGE PIPES AND STRUCTURES; PLACE SEDIMENT FILTERS IN CATCH BASINS UNTIL ALL NON-PAVED DISTURBED AREAS HAVE A HEALTHY VEGETATIVE COVER.
- INSTALL UNDERGROUND UTILITIES: WATER, SEWER, TELEPHONE, ELECTRICAL
- INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS AND AFTER ANY RAINFALL OF 0.50° OR MORE.
- AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILT BARRIERS, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- FINISH GRADING THE SITE. ALL CUT AND FILL SLOPES SHALL BE LOAMED AND SEEDED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED
- BASE PAVE ACCESS DRIVE AND PARKING AREAS. INSTALL CURBING AND FINISH PAVE DRIVE, PARKING, AND SIDEWALKS.
- 14. APPLY LOAM, COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- 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.

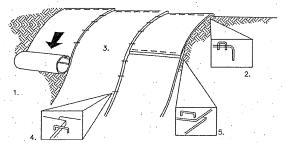


SCALE: NONE D-3





SILTATION FENCE SCALE: NONE D-3



ALL 2H:1V OR STEEPER SLOPES ARE TO BE CONSTRUCTED WITH SC250 STRAW/COCONUT FIBER EROSION CONTROL TUPE REINFORCEMENT MAT AND ALL 3H:1V TO \$241: YO.DEPS TO BE CONSTRUCTED WITH SITS STRAW FIBER EROSION CONTROL TUPE REINFORCEMENT MAT BY NORTH AMERICAN GREEN OR EQUAL.

THE EROSION CONTROL MATERIAL(S) SHALL BE ANCHORED WITH "U" SHAPED 11 GAUGE WIRE STAPLES OR WOODEN STAKES WITH A MINIMUM TOP VIIDTH OF 1" AND A LENGTH OF 6".

CONSTRUCTION REQUIREMENTS AND SLOPE APPLICATIONS:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" MIDE ITENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TERNCH. ANCHOR THE BLANKET WITH A ROLL OF STAPLES OR STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING, APPLY SEED IT COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL SECURE BLANKET WITH A ROW OF STAPLES/STAKES PLACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE BLANKETS DOWN THE SLOPE, BLANKETS WILL UNROLL WITH APPROPRIATE SIDE ASAINST THE SOIL SURFACE, ALL BLANKETS MUST BE SECURELY FASTEMED TO SOIL SURFACE BY PLACING STAPLES OR STAKES IN APPROPRIATE LOCATIONS. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OF OVERLAP DEPENDING ON THE BLANKET TYPE,

CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP, STAPLE OVERLAPPED AREA APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE BLANKETS.

THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS SHALL BE OF ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO RESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE REFERTILIZED, RESECRED AND REMULCHED AS DIRECTED.

SLOPE STABILIZATION TURF REINFORCEMENT MAT

SCALE: NONE D-3



- ALL POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 1511, OR WHICH ARE DISTURBED AFTER OCTOBER 1511, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, CLISEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZED GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE RIPRAP OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITION.
- AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT TIEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

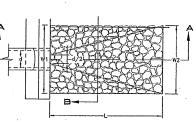
## WINTER CONSTRUCTION



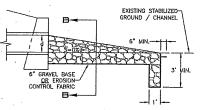
- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF MILFORD. OTHERWISE, ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF NIHOOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION),
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THEESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. AERIONA LAND SERVICES, INC., AS DESIGN ENGINEE, SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
- THE OWNER AND/OR CONTRACTOR SHALL VERIFY ALL ZONING SETBACK REQUIREMENTS FOR CONFORMANCE PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT "DIGSAFE" (811) 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND MERIDIAN LAND SERVICES, INC. PROR TO CONSTRUCTION.
- 7. IF APPLICABLE, ALL DRAINAGE STRUCTURES SHALL CONFORM TO NHDOT STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE TOWN DEPARTMENT PRIOR TO CONSTRUCTION TO ARRANGE FOR INSPECTIONS OF THE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCURATE AS-BUILT INFORMATION OF ALL WORK, ESPECIALLY UNDERGROUND CONSTRUCTION OF UTILITY UNES, SERVICES, CONNECTIONS, ETC. AND APPROPRIATE TIES TO AGOVE GROUND PERMAKENT STRUCTURES, FIELD SURVEY COORDINATES, OR SOME OTHER METHOD OF ESTABLISHING THE AS-BUILT CONDITION OF ALL CONSTRUCTION.

CONSTRUCTION NOTES

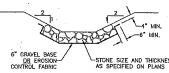




PLAN VIEW



SECTION A-A



SECTION B-B

LOCATION	LENGTH (FT)	WIDTH 1 (FT)	WIDTH 2 (FT)	STONE SIZE d50 (IN)	THICKNESS (IN)
RA1	10	3	13	4	8
RA2	7	3	10	4	8

RIPRAP OUTLET PROTECTION



- TEMPORARY PROTECTION OF DISTURBED AREAS SHALL BE IMPLEMENTED WHERE A TEMPRORARY STAND OF GRASS OR SMALL GRAINS WILL NORMALLY PRODUCE SUFFICIENT COVER TO RETARD EROSION AND REDUCE SEDIMENT.
- USE OF TEMPORARY SEEDING SHALL BE IMPLEMENTED WHEN A DISTURBED AREA OR MATERIAL STOCKPILE WILL BE INACTIVE FOR A PROLONGED PERIOD OF TIME.
- ALL ESSENTIAL GRADING SUCH AS DIVERSIONS, DAMS, DITCHES, AND DRAINS NEEDED TO PREVENT GULLYING AND REDUCE SILTATION SHALL BE COMPLETED PRIOR TO SEEDING.
- PREPARE SEEDBED BY REMOVEING ALL STONES, TRASH AND STUMPING DEBRIS THAT WILL INTERFREE WITH SEEDING AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT 3 INCHES TO PREPARE SEEDED AND MIX FERTILIZER INTO THE SOIL THE SEEDBED SHOULD BE LET IN A FIRM AND SMOOTH COMBITION. THE LAST TILLAGE OFERATIONS SHOULD BE PERFORMED ACROSS
- A MINIMUM OF 300 POUNDS PER ACRE (7 LBS. PER 1,000 SQ.FT.) OF 10-10-10 FERTILIZER, OR ITS EQUIVALENT, SHALL BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING INCORPORATED INTO THE SOIL.
- THE SEED SHALL BE SPREAD UNIFORMLY OVER THE AREA. AFTER SEEDING, THE SOIL SHOULD BE FIRMED BY ROLLING OR PACKING, WHERE ROLLING OR PACKING IS NOT FEASIBLE, THE SEED SHALL BE COVERED LIGHTLY BY RAKING, DISKING, OR DRAGGING.
- 7. HAY OR STRAW MULCH MAY BE NECCESSARY TO PROMOTE SEED GERMINATION IN DRY AND/OR INFERTILE CONDITIONS.
- 8. PLANT SELECTION AND APPLICATION RATES

SPECIES	RATE 1 (LBS/AC.)	RATE 2 (LBS/1,000 S.F.)	REMARKS
WINTER RYE	112	2,5	FALL, 8/15 TO 9/15 PLANT 1.0 INCH DEEP
OATS	80	2.0	SPRING PRIOR TO 5/15 PLANT 1.0 INCH DEEP
ANNUAL RYEGRASS	40	1.0	QUICK, SHORT DURATION GOOD APPEARANCE EARLY SPRING & FALL PLANT 0.25 INCH DEEP
PERENNIAL RYEGRASS	30	0.7	LASTS LONGER THAN ANNUA LATE SPRING & FALL MULCHING WILL ALLOW USE ALL SEASON PLANT 0.5 INCH DEEP

SEEDING FOR TEMPORARY PROTECTION OF DISTURBED AREAS
SCALE: NONE

7525

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KEVIN M. ANDERSON No. 14748

1 1 8 5

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

- INSTALLATION OF SILT SOCKS AND SILTATION FENCE WHERE INDICATED SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA. 2. SILT SOCKS AND SILTATION FENCES SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL DISTURBED AREAS HAVE A HEALTHY STAND OF VEGETATIVE COVER. EFOSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EVERY 0.5° OR GREATER RANFALL
- 3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
- 4. PER THE NEW HAMPSHIRE DEPARTMENT OF EMPRONMENTAL SERVICES, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION. THE TOTAL AREA OF ACTIVE DISTURBANCE, INCLUDING LOT DISTURBANCE, BYHALL NOT EXCEED 5 ACRES.
- 5. THE DURATION OF TIME THAT AN AREA IS DISTURBED SHALL BE MINIMIZED. ALL NON-ACTIVE DISTURBED AREAS (Se: CLEARED FOR CONSTRUCTION BUT NOT PRESENTLY UNDERCOING CONSTRUCTION) SHALL BE STABILIZED WITHIN 45 DAYS OF DISTURBANCE, ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING,
- 6. ALL DITCHES, SWALES AND DRAINAGE BASINS SHALL BE CONSTRUCTED DURING THE INTIAL PHASE OF CONSTRUCTION AND SHALL BE STABILIZED PRIOR TO DIRECTING STORM WATER FLOW TO THEM.
- 7. AN AREA MAY BE CONSIDERED STABILIZED WHEN ONE OF THE FOLLOWING HAS OCCURED:
- A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;

  B. A MINIMUM OF 85% VEGETARIO GROWTH HAS BEEN ESTABLISHED;

  C. A MINIMUM OF 3" OF NON-ERGSINE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR

  D. BROSDIN CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- ALL DISTURBED AREAS SHALL BE COVERED WITH A MINIMUM OF 4" OF LOAM, LOAM SHALL BE COVERED WITH THE APPROPRIATE SEED MIXTURE AS INDICATED BELOW.
- THE SEED MIXTURE SHALL BE APPLIED AT A RATE OF 2.5 POUNDS PER 1,000 SQ. FT. AND SHALL BE MIXED AS FOLLOWS:

TYPICAL LAWN SEED CREEPING RED FESCUE KENTUCKY BLUEGRASS RYE GRASS RED TOP	0.87 LBS. 0.71 LBS. 0.58 LBS. 0.14 LBS.	SLOPE SEED CREEPING RED FESCUE RYE GRASS RED TOP ALSIKE CLOVER BIRDSFOOT TREFOIL	1.01 LBS. 0.75 LBS. 0.18 LBS. 0.18 LBS. 0.18 LBS.
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9. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS, IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE THINING IS CRITICAL, RETILIZER MAY BE APPLIED AT THE RATE OF 600 POLINDS PER ACRE OR 13.8 POUNDS PER 1,000 SQUARE FEET OF LOW PHOSPHATE FERTILIZER (IH-PZOS-KZO) OR EQUIVALENT (LOW PHOSPHORUS FERTILIZER IS DEFINED BY THE COMPREHENSEY SHORELAND PROTECTION ACT AS LESS THAN 28, PHOSPHORUS), APPLY LIMESTONE (FOUNDALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1,000 SQUARE FEET).

FERTILIZER SHOULD BE RESTRICTED TO A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER WHEN APPLIED TO AREAS BETWEEN 25 FEET AND 250 FEET FROM A SURFACE WATER BODY AS SPECIFIED BY THE COMPREHENSIVE SHORELAND PROTECTION ACT (SLOW RELEASE FERTILIZERS WUST BE AT LEAST 50% SLOW RELEASE NITROGEN COMPONENT), NO FERTILIZER EXCEPT LIMESTONE SHOULD BE APPLIED WITHIN 25 FEET OF THE SURFACE WATER. THESE LIMITATIONS ARE REQUIREMENTS.

- 10. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO BARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MA'2 20 OR FROM MAGUST 10 TO SPITEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING THE WINTER
- 11. THE SITE CONTRACTOR SHALL MAINTAIN A VICOROUS DUST CONTROL PROGRAM THROUGHOUT THE CONSTRUCTION PROCESS. EXPOSED EARTH SHALL BE KEPT MOIST OR MULCHED AT ALL THISE TO PREVENT DUST FORMATION. SPECIAL ATTENTION SHALL BE PAID TO HIGH TRAFFIC AREAS.

EROSION CONTROL

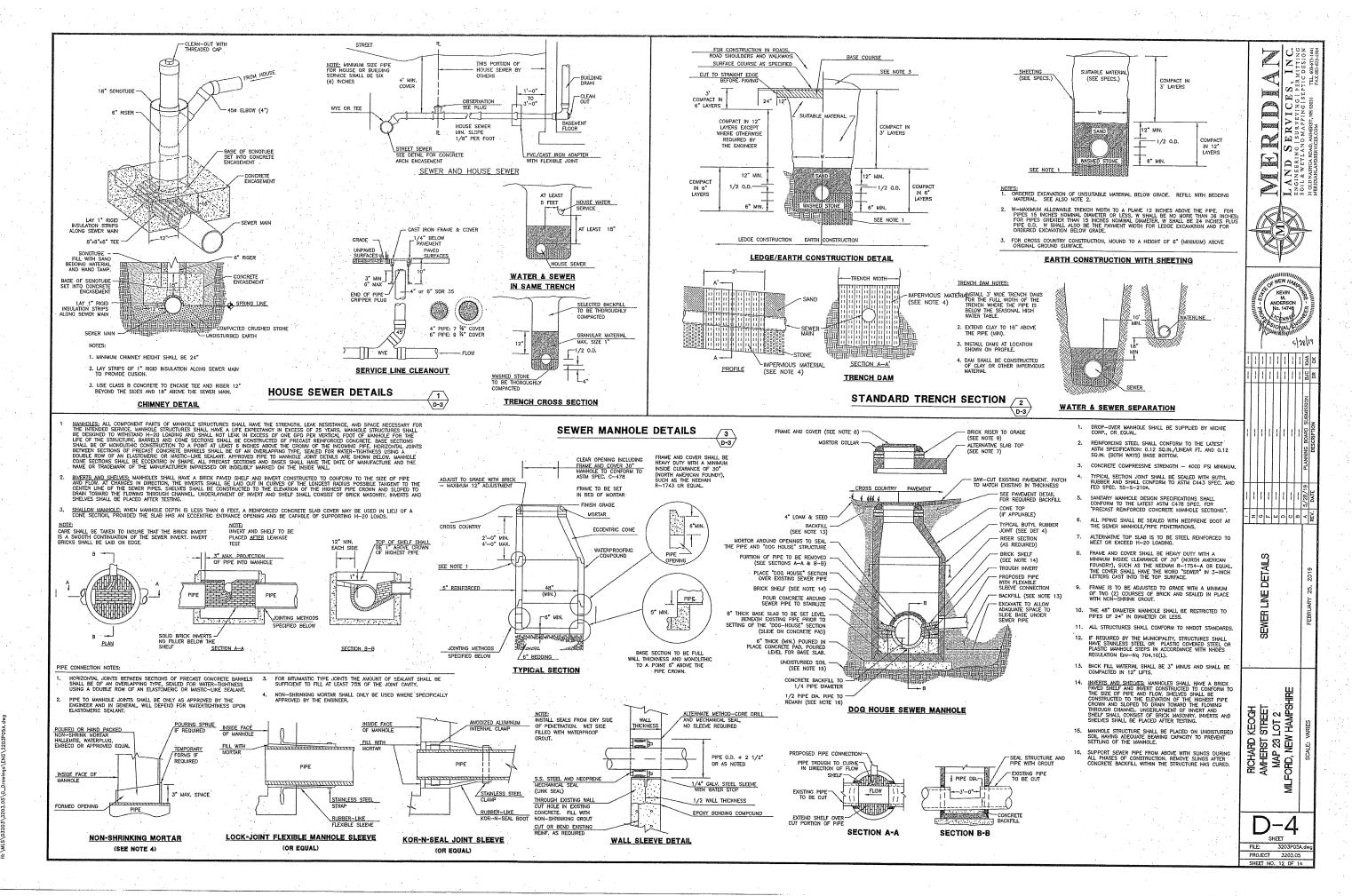
SHEET 3203P05A.d PROJECT 3203,05

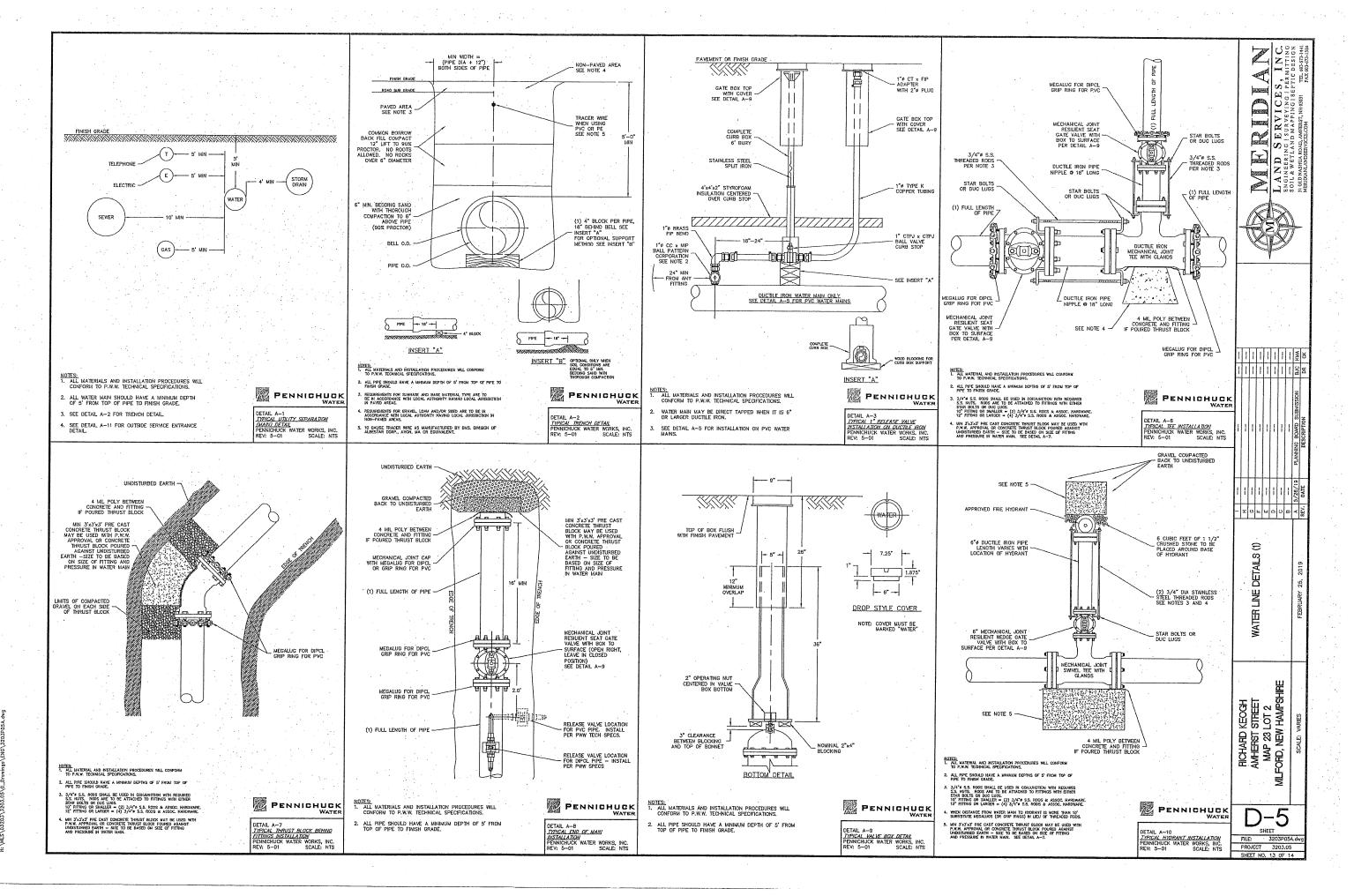
D-3

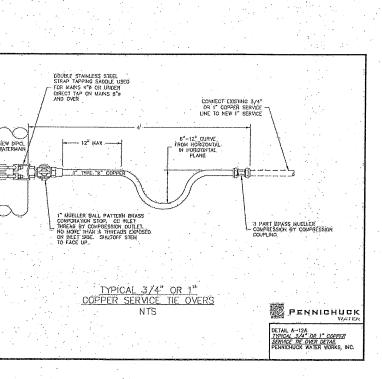
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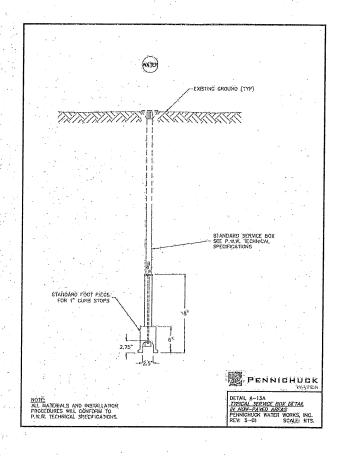
KEOGH STREET LOT 2 V HAMPSHI

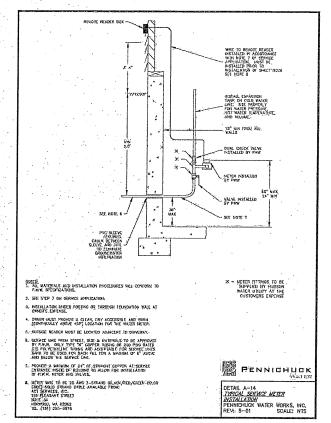
RICHARD KI AMHERST S MAP 23 LC MILFORD, NEW H











ALL WATER MAINS 6" AND OVER IN DIAMETER SHALL BE CONSTRUCTED WITH DUCTILE IRON WATER MAIN MEETING OR EXCEEDING THE PRODUCT SPECIFICATIONS BELOW. 4" DIAMETER WATER MAINS SHALL BE CONSTRUCTED WITH DUCTILE IRON THAT MEETS OR EXCEEDS THE PRODUCT SPECIFICATIONS BELOW.

A. DUCTILE IRON WATER MAIN SHALL CONFORM TO AWWA STANDARD C151 AND BE DOUBLE CEMENT LINED AND SEALED COATED TO MEET AWWA STANDARD C104 JOINTS SHALL BE PUSH ON AND SHALL CONFORM TO

B. CLASS 52 WALL THICKNESS, 4" DIAMETER THROUGH 10" DIAMETER INCLUSIVE.

C. CLASS 51 WALL THICKNESS, 12" & 16" DIAMETER

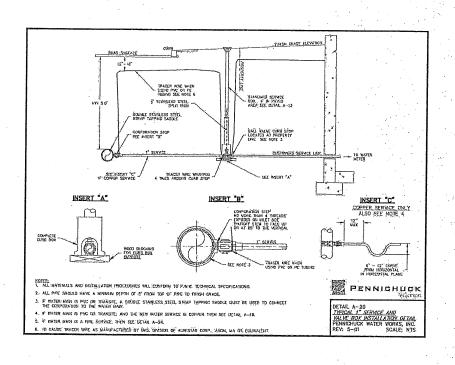
ALL MECHANICAL JOINT DUCTILE IRON FITTINGS 3" THROUGH 24" SHALL BE COMPACT DUCTILE IRON CLASS 350 IN ACCORDANCE WITH AWWA/ANSI C153/A-21.53 AND SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA/ANSI C104/A-21.40 OR BE FUSION BONDED MEETING OR EXCEEDING ANSI/AWWA C116/A21.16 STANDARDS.

ALL WATER MAINS AND APPURTENANCES SHALL BE SEPARATED FROM OTHER UTILITIES AND SEPTIC FIELDS IN ACCORDANCE WITH THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES ENV-WS 1000 AND ENV-WS 376 FURTHERMORE, THE SEPARATION SHALL BE IN ACCORDANCE WITH DETAIL A-1 IN THE STANDARD DETAILS.

IN THE ABSENCE OF A RECOGNIZED AND/OR APPROVED INDUSTRY STANDARD FOR SUCH HARDWARE, PENNICHUCK'S FIELD INSPECTORS WILL BE THE FINAL JUDGE AS TO THE ACCEPTABILITY OF MISCELLANEOUS HARDWARE USED IN THE INSTALLATION OF WATER MAINS.

ALL WATER MAINS AND FIRE SERVICES SHALL BE SUBJECTED TO PRESSURE AND LEAKAGE TESTING IN ACCORDANCE WITH THE LATEST VERSION OF AWWA STANDARD CEGO, ALLOWABLE LEAKAGE FOR EACH SECTION OF WATER MAIN TESTED SHALL BE COMPARED AGAINST THE CHART ATTACHED AT THE END OF THIS SECTION IN ORDER TO DETERMINE THE ACCEPTABILITY OF THE TEST.

THE CONTRACTOR SHALL CONDUCT FLUSHING OPERATIONS USING METHODS AND PROCEDURES CONFORMING TO AWWA C651. THE CONTRACTOR SHALL FLUSH THE WATER MAIN UNDER THE DIRECTION OF PENNICHUCK WATER WORKS' INSPECTOR. FLUSHING MAY BE REQUIRED DURING THE LATE EVENING HOURS IF IT IS DETERMINED THAT FLUSHING WILL RESULT IN OFF COLORED WATER TO PENNICHUCK WATER WORKS EXISTING CUSTOMERS.



GENERAL NOTES



- Table 1

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DETAILS

WATER

RICHARD KEOGH AMHERST STREET MAP 23 LOT 2 MILFORD, NEW HAMPSHIR

SHEET FILE: 3203P05A.d PROJECT 3203.05



Office: 31 Old Nashua Road, Suite 2, Amherst, NH 03031 Mailing: PO Box 118, Milford, NH 03055 Phone: 603-673-1441 \* Fax 603-673-1584

www.MeridianLandServices.com

May 28, 2019

Milford Planning Board 1 Union Square Milford, New Hampshire 03055 Attn: Lincoln Daley, Community Development Director

RE:

Richard Keogh Subdivision

Map 23 Lot 2

TOWN OF MILFORD RECEIVED MAY 282019 Office

Meridian Land Services Inc., on behalf of Richard Keogh, we request a waiver from section 5.32.080 (Design Standards) C.2.a. of the Town of Milford's Stormwater Management and Erosion Control Regulations for the increase to observation point 3 (OP-3) as indicated in calculations. Per discussions with the Rick Riendeau, director of the Public Works department, it is understood that drainage runoff towards Amherst Street will be captured by catch basins and tied into the existing drainage system in Amherst Street. However, drainage calculations indicated that there is a total net reduction in site runoff.

If there are any questions or concerns, please do not hesitate to contact Meridian Land Services, Inc.

Sincerely,

Kevin M. Anderson, P.E.

Chief of Engineering

Meridian Land Services, Inc.

KMAnderson@MeridianLandServices.com

(603) 673-1441



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CIVIL ENGINEERING | LAND SURVEYING | PERMITTING | SOIL & WETLAND MAPPING | SEPTIC DESIGN | ENVIRONMENTAL

Milford Planning Board

May 28, 2019

Re: Keogh Subdivision – Tax Map Lot 23-2, #118 Amherst Street

- 1) We hereby request a waiver from the Subdivision Regulations, Article V, Sec. 5.08 (Open Space Conservation Developments). A Conventional Design Subdivision will be pursued instead of Open Space as discussed in previous Design review meetings.
- 2) We hereby request a waiver from the Driveway Regulations Section VII, F requiring driveway entrance to have a negative slope. The proposed road will have a 2% positive slope at the entrance to allow for separation from the ground water table. Drainage onto the existing road will be controlled by the installation of the catch basins at the entrance as show on the design.
- 3) We hereby request a waiver from the Subdivision Checklist for Major Subdivision item Z (Provisions for storage of recycling and refuse). Not Applicable.
- 4) We hereby request a waiver from the Subdivision Checklist for Major Subdivision item BB (Location, size and detail of exterior lighting). Not Applicable.
- 5) We hereby request a waiver from the Subdivision Checklist for Major Subdivision item CC (Location, size and detail of storage tanks). Not Applicable.

Thank you for your consideration.

Samuel D. Ingram, SIT



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CIVIL ENGINEERING | LAND SURVEYING | PERMITTING | SOIL & WETLAND MAPPING | SEPTIC DESIGN | ENVIRONMENTAL

December 14, 2018

To whom it may concern,

I / We hereby authorize Meridian Land Services, Inc. to act as my agent relative to matters associated with the subdivision of our property located at Tax Map 23 / Lot 2, 118 Amherst Street, Milford, NH.

Owner's signature

Date

| 2/26//F | Date

| CHARI | Macatt |
| Owner's printed name | Date

RECEIVED

DEC 3 1 2018

Meridian Land Services

SAM INGRAM

Owner's printed name