

PROPOSED SUBDIVISION FOR 9 ALVIRNE DRIVE TAYBRE DRIVE SUBDIVISION

TAX MAP 138 LOTS 82-88

9 ALVIRNE DRIVE

HUDSON, NH 03051

SYMBOLS LEGEND

EXISTING SYMBOLS

---	EXISTING PROPERTY LINE
---	EXISTING PROPERTY TIE LINE
---	EXISTING ABUTTERS PROPERTY LINE
---	EXISTING EASEMENT LINE
---	EXISTING PROPERTY SETBACK LINE
---	EXISTING PROPERTY LINE TO BE REMOVED
---	EXISTING 2 FOOT CONTOUR
---	EXISTING 10 FOOT CONTOUR
---	EXISTING FENCE LINE
---	EXISTING STONE WALL
---	EXISTING TREE LINE
---	EXISTING WATER LINE
---	EXISTING SEWER LINE
---	EXISTING SEWER SERVICE W.CLEAN OUT
---	EXISTING DRAIN LINE
---	EXISTING GAS LINE
---	EXISTING ELECTRIC LINE
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING WETLAND BOUNDARY
---	EXISTING BUILDING
---	EXISTING DRAIN MANHOLE
---	EXISTING CATCH BASIN
---	EXISTING SEWER MANHOLE
---	EXISTING WATER GATE VALVE
---	EXISTING FIRE HYDRANT
---	EXISTING WELL
---	EXISTING FES WITH RIP-RAP OUTLET PROTECTION
---	EXISTING GAS GATE
---	EXISTING TREE AND CALIPER
---	EXISTING HARDWOOD TREE
---	EXISTING SOFTWOOD TREE
---	EXISTING LIGHT POLE
---	EXISTING POWER POLE
---	TEMPORARY BENCH MARK (TBM)
---	TEST PIT LOCATION (TP)

PROPOSED SYMBOLS

---	PROPOSED LOT LINE
---	PROPOSED EASEMENT LINE
---	PROPOSED 2 FOOT CONTOUR
---	PROPOSED 10 FOOT CONTOUR
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED SPOT GRADE
---	PROPOSED BUILDING
---	PROPOSED WATER LINE
---	PROPOSED TREE LINE
---	PROPOSED SEWER SERVICE WITH CLEAN-OUT
---	PROPOSED DRAIN LINE
---	PROPOSED ROOF DRAIN
---	PROPOSED UNDER DRAIN
---	PROPOSED GAS LINE
---	PROPOSED UNDERGROUND UTILITIES
---	PROPOSED SNOW STORAGE
---	PROPOSED DRAIN MANHOLE
---	PROPOSED CATCH BASIN
---	PROPOSED DRAINAGE OUTLET STRUCTURE
---	PROPOSED SEWER MANHOLE
---	PROPOSED WATER GATE VALVE
---	PROPOSED WELL
---	PROPOSED GAS GATE VALVE
---	PROPOSED FES WITH RIP-RAP OUTLET PROTECTION
---	STONE BOUND TO BE SET
---	RE-BAR TO BE SET
---	PROPOSED LIGHT POLE
---	PROPOSED DRAINAGE FLOW ARROWS
---	PROPOSED PAVEMENT
---	PROPOSED PAVED SIDEWALK
---	PROPOSED GRAVEL DRIVE

---	EROSION CONTROL LAYERS
---	PROPOSED HAY BAIL / SILT FENCE
---	PROPOSED SLOPE PROTECTION BLANKET
---	PROPOSED CHANNEL PROTECTION BLANKET
---	PROPOSED TEMPORARY CHECK DAMN
---	PROPOSED CONSTRUCTION ENTRANCE
---	PROPOSED SILT SAK

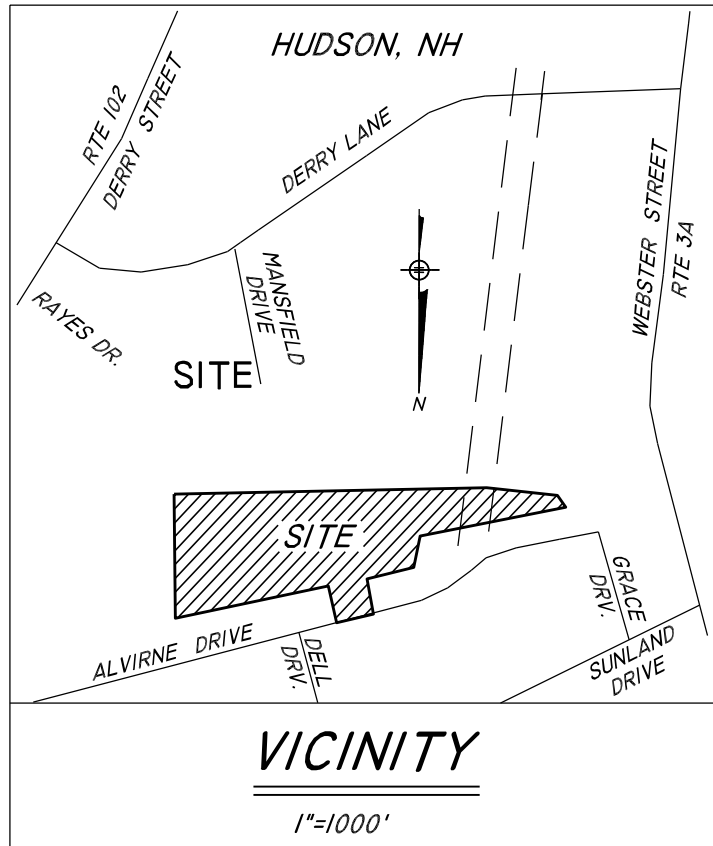
REVISION CLOUD

MONUMENTS

---	STONE BOUND FOUND (SBF)
---	IRON ROD FOUND (IRF)
---	DRILL HOLE FOUND (DHF)
---	IRON PIPE FOUND (IPF)
---	RAILROAD TIE FOUND (RRTF)
---	RE-BAR FOUND (RBF)

PHOTO PLAN

PHOTO NUMBER AND DIRECTION



PROFESSIONAL CONSULTANTS LIST

ENGINEER: HESS ENGINEERING & CONSTRUCTION CONSULTANTS
P.O. BOX 991
ASHLAND, NEW HAMPSHIRE 03217 PH:(603) 968-5664

SURVEYOR: JOHN YULE, LLS SURVEY SERVICES
P.O. BOX 201
MILFORD, NEW HAMPSHIRE 03055 PH: (603) 296-5961

SOIL SCIENTIST: POWELL ASSET MAPPING, LLC
& 234 CRYSTAL LAKE ROAD
C. W. S. GILMANTON IRON WORKS, NEW HAMPSHIRE 03837 PH: (603) 264-0136

INITIAL PLAN SET SUBMISSION DATE

APRIL 24TH, 2025

LATEST REVISION DATE:

SEPTEMBER 18, 2025

01.	6/09/25	PER TOWN REVISIONS	IAD
02.	7/02/25	PER NHDES AOT REVISIONS	IAD
03.	8/20/25	PER TOWN ENG DEPT REVISIONS	IAD
NO.	DATE	DESCRIPTION	BY



CONTACT DIG SAFE 72 HOURS
PRIOR TO CONSTRUCTION

THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY UTILITIES WHETHER THEY BE ABOVE OR BELOW GROUND. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233).

LIST OF DRAWINGS

DWG	SHT NO.	DESCRIPTION
C-I	1 OF 22	COVER SHEET
E-I	2 OF 22	EXISTING CONDITIONS PLAN
SUB-1	3 OF 22	SUBDIVISION OVERVIEW PLAN
SUB-2	4 OF 22	SUBDIVISION PLAN
SUB-3	5 OF 22	SUBDIVISION PLAN
SP-I	6 OF 22	SITE PLAN
GD-I	7 OF 22	PROPOSED GRADING AND DRAINAGE PLAN
PRO-I	8 OF 22	PROPOSED PROFILE PLAN
XS-I	9 OF 22	PROPOSED CROSS SECTIONS PLAN
U-I	10 OF 22	PROPOSED UTILITY PLAN
ESC-I	11 OF 22	EROSION & SEDIMENT CONTROL PLAN
FT-I	12 OF 22	FIRETRUCK TURNING PLAN
SD-I	13 OF 22	SIGHT DISTANCE PLAN
SD-2	14 OF 22	SIGHT DISTANCE PLAN
SD-3	15 OF 22	SIGHT DISTANCE PLAN
D-I	16 OF 22	CONSTRUCTION DETAILS
D-2	17 OF 22	EROSION CONTROL DETAILS
D-3	18 OF 22	EROSION CONTROL NOTES
D-4	19 OF 22	DRAINAGE DETAILS
D-5	20 OF 22	BASIN DETAILS
D-6	21 OF 22	WATER DETAILS
D-7	22 OF 22	NH FISH & GAME NOTES

SECTION ENV-WQ 1504.18 NOTE:

- (1) BLANDING'S TURTLE (STATE ENDANGERED), EASTERN BOX TURTLE (STATE ENDANGERED), EASTERN HOGNOSE SNAKE (STATE ENDANGERED), AND SPOTTED TURTLE (STATE THREATENED) OCCUR WITHIN THE VICINITY OF THE PROJECT AREA. ALL OPERATORS AND PERSONNEL WORKING ON OR ENTERING THE SITE SHALL BE MADE AWARE OF THE POTENTIAL PRESENCE OF THESE SPECIES AND SHALL BE PROVIDED FLYERS THAT HELP TO IDENTIFY THESE SPECIES. ALONG WITH NHFG CONTACT INFO. SEE SHEET D-7.
- (2) RARE SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION [OBS] AND REPORTING OF OBS. WHEN TO CONTACT NHFG IMMEDIATELY AND NHFG CONTACT INFO) SHALL BE COMMUNICATED DURING MORNING TAILGATE MEETINGS PRIOR TO WORK COMMENCEMENT DURING THE CONSTRUCTION PHASE OF THE PROJECT. SEE SHEET D-7.
- (3) OBS. OF EASTERN HOGNOSE SNAKE SHALL BE REPORTED IMMEDIATELY TO NHFG WILDLIFE BIOLOGIST MELISSA WINTERS AND BRENDAN CLIFFORD (GROUP TEXT) - SEE SHEET D-7 FOR SPECIES FLYER AND CONTACT INFO.
- (4) TURTLES MAY BE ATTRACTED TO DISTURBED GROUND DURING THE NESTING SEASON (5/15 - 6/30). TURTLE NESTS ARE PROTECTED BY NH LAWS. IF A NEST IS OBS. OR SUSPECTED, OPERATORS SHALL CONTACT JOSH MEGYESY AT NHFG IMMEDIATELY. SEE SPECIES FLYERS ON SHEET D-7.
A. NEST/SUSPECTED NEST SHALL BE MARKED USING ROPE/CONE BUFFER AND AVOIDED: INFORM ALL PERSONNEL ONSITE.
B. SITE ACTIVITIES SHALL NOT OCCUR IN THE AREA SURROUNDING THE NEST/SUSPECTED NEST UNTIL FURTHER GUIDANCE IS PROVIDED BY NHFG.
- (5) FOR PROJECT ACTIVITIES OCCURRING BETWEEN 4/15 AND 10/15, INSTALLATION OF A WILDLIFE EXCLUSIONARY BARRIER (E.G. SILT FENCE) AS SHOWN ON SHEET D-7 SHALL BE INSTALLED FOLLOWING THE WILDLIFE EXCLUSIONARY BARRIER FOUND ON SHEET D-7. THIS INCLUDES THE WILDLIFE RAMP DETAIL AND THE WILDLIFE BARRIER WITH GATE DETAIL. NHFG SHALL BE INFORMED ONCE EXCLUSIONARY BARRIER HAS BEEN INSTALLED. SEE SHEET D-7 FOR INSPECTION AND MAINTENANCE REQUIREMENTS. SEE REQUIRED INSPECTION LOG ON SHEET D-7.
- (6) SEARCHES AND SWEEPS FOR THE IDENTIFIED TURTLES SHALL BE CONDUCTED BY A QUALIFIED BIOLOGIST BETWEEN 4/15 AND 10/15 IMMEDIATELY BEFORE THE START OF WORK AND MOVEMENT OF EQUIPMENT INCLUDING IN THE AREA ENCLOSED BY THE WILDLIFE EXCLUSIONARY BARRIER TO MINIMIZE CHANCES OF ANIMALS ENTERING SITE BETWEEN SWEEPS/WORK. SEE SHEET D-7 FOR DETAILS REGARDING SWEEPS AND QUALIFIED WILDLIFE BIOLOGIST.
- (7) NHFG PREFERENCES NO SUMP. GRATES ARE TO HAVE OPENINGS NO LARGER THAN 2' x 2'. SEE SHEET D-4.
- (8) NATIVE SEED MIXTURE SHALL BE APPLIED TO ALL AREAS AFFECTED BY CONSTRUCTION. SEED MIXTURE SHALL NOT CONTAIN INVASIVE SPECIES SUCH AS BIRD'S-FOOT REIFOL. SEE SHEET D-4.
- (9) IF HYDROSEEDING IS DEEMED NECESSARY, MIX SHALL NOT CONTAIN MICROPLASTICS AND DYES SHALL BE WATER-SOLUBLE AND ECO-FRIENDLY. NO HYDROSEEDING WITHIN 75' OF WETLANDS.
- (10) AVOID/MINIMIZE FERTILIZER USE IN UPLAND AREAS OR TRANSITION ZONES. IF FERTILIZERS ARE NECESSARY, USE ORGANIC VS. SYNTHETIC OPTIONS. IF SYNTHETIC IS USED THEY SHALL BE CONTROLLED-RELEASED/SLOW-RELEASED AND AT LOW-STRENGTH. SEE SHEET D3.
- (11) ALL MANUFACTURED ESC PRODUCTS (EXCEPT TURF REINFORCEMENT MATS) USED SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/4". SEE SHEET D-2.
- (12) ALL OBS. OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SITE SHALL BE REPORTED IMMEDIATELY TO NHFG NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT (603) 271-2461 AND EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV. WITH THE EMAIL SUBJECT LINE CONTAINING THE NHG LETTER ASSIGNED NUMBER, PROJECT NAME, AND TERM WILDLIFE SPECIES OBSERVATION. PHOTOGRAPHS OF OBS. SPECIES AND NEARBY ELEVATIONS OF HABITAT/LAND DISTURBANCES SHALL BE PROVIDED TO NHFG IN DIGITAL FORMAT USING THE EMAIL LISTED ABOVE, IF POSSIBLE.
- (13) IF THREATENED OR ENDANGERED SPECIES IS OBS. ON SITE DURING DURATION OF PERMIT, THE SPECIES SHALL NOT BE DISTURBED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHFG AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHFG.
A. SITE OPERATORS SHALL BE ALLOWED TO RELOCATE WILDLIFE ENCOUNTERED IF DISCOVERED WITHIN THE ACTIVE WORK ZONE IF IN DIRECT HARM FROM PROJECT ACTIVITIES.
B. WILDLIFE SHALL BE RELOCATED IN CLOSE PROXIMITY TO CAPTURE LOCATION BUT OUTSIDE WORK ZONE AND IN DIRECTION IT WAS HEADED.
C. NHFG SHALL BE CONTACTED IMMEDIATELY IF THIS ACTION OCCURS.
- (14) NHFG, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

*SEE SHEET D-7 FOR ALL NHFG NOTES

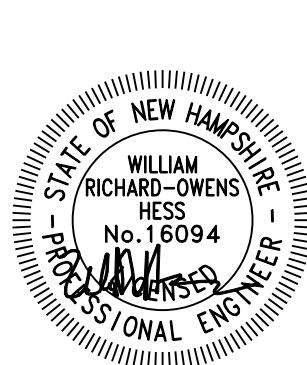
OWNER/APPLICANT:

M.R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6, HCRD

AGENCY APPROVALS

NHDOT DRIVEWAY : N/A
NHDES SITE SPECIFIC : AOT TBD
NHDES WETLAND : N/A
NHDES SUBDIVISION : ESA2021110407
EPA NPDES II : TBD

PREPARED BY:
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WWW.HESSENGINEERINGLLC.COM



Map 138 Lot 82 & 88
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051

Map 139 Lot 9
TOWN OF HUDSON SCHOOL DISTRICT
20 LIBRARY STREET
HUDSON, NH 03051

Map 138 Lot 64
COURTNEY, JR. JOHN E. & KATHERINE L.
10 ALVIRNE DRIVE
HUDSON, NH 03051 8860/0649

Map 138 Lot 65
NADEAU, CHRISTINA A.
12 ALVIRNE DRIVE
HUDSON, NH 03051 7742/0105

Map 138 Lot 78
BURTON, LARRY W. & NANCY
21 ALVIRNE DRIVE
HUDSON, NH 03051 2324/0621

Map 138 Lot 79
CHAPLICK, CAROLE J.
PO Box 754
HUDSON, NH 03051 7388/1683

Map 138 Lot 80
MARTIN, JOSEPH R. TR. & MURIEL J. TR.
13 ALVIRNE DRIVE
HUDSON, NH 03051 9798/754

Map 138 Lot 81
TAYLOR, BARBARA J.
11 ALVIRNE DRIVE
HUDSON, NH 03051 8751/2331

Map 138 Lot 83
ANGE, ALEXANDRA & O'BRIEN, CRAIG
7 ALVIRNE DRIVE
HUDSON, NH 03051 8511/0156

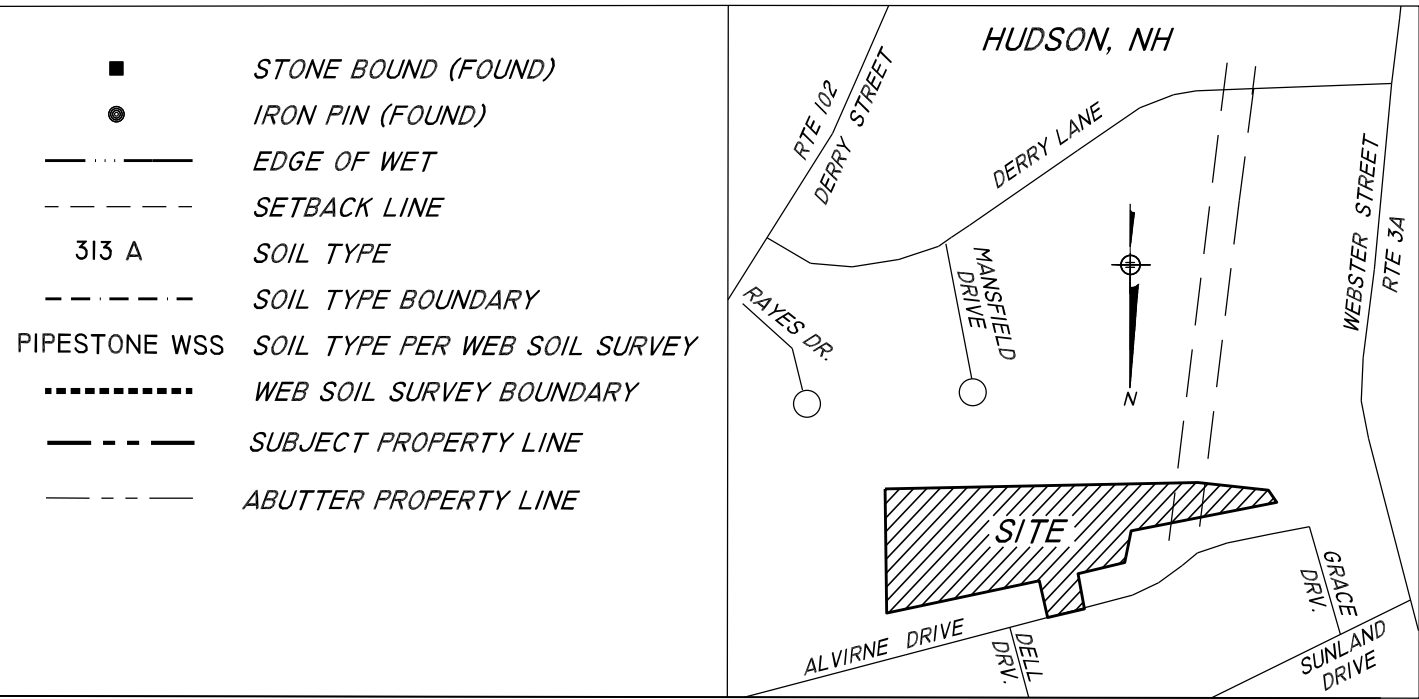
Map 138 Lot 84
FISHER, ROBERT & SUSAN
5 ALVIRNE DRIVE
HUDSON, NH 03051 6181/0271

Map 138 Lot 85
MURPHY, TRACIE M. & SCOTT D.
3 ALVIRNE DRIVE
HUDSON, NH 03051 6974/1003

Map 138 Lot 86
PUBLIC SERVICE OF NH
D&A EVERSOURCE ENERGY
PO BOX 270
HARTFORD, CT 06141-0270 TEST/53

Map 138 Lot 87
LASKOWSKI, NICHOLAS A. & PEREZ-LASKOWSKI, KAILEY A.
1 ALVIRNE DRIVE
HUDSON, NH 03051 9803/2790

Map 138 Lot 89
TOWN OF HUDSON
12 SCHOOL STREET
HUDSON, NH 03051



LEGEND

GENERAL NOTES:

- THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS
- PRESENT ZONING: R-1 RESIDENTIAL & R-2 RESIDENTIAL
- EXISTING USE: VACANT
- TOTAL EXISTING LOT AREA:
LOT 82: 30,014 S.F. = 0.69 AC.
LOT 88: 619,783 S.F. = 14.23 AC.
- DIMENSIONAL REQUIREMENTS:
MIN. LOT AREA: TOWN WATER ONLY - 43,560 S.F.
MIN. YARD SETBACKS:
FRONT: 30 FT
SIDE: 15 FT
REAR: 15 FT
MIN. LOT FRONTAGE: 120 FT
- N.F.I.P. F.I.R.M. COMMUNITY PANEL 330092 0005B INDICATES THAT THE SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOOD PLAIN.
- WEB SOIL SURVEY WAS ONLY USED FOR IDENTIFYING SOIL OUTSIDE OF CSS CWS LUKE POWELL'S SITE SPECIFIC SOILS MAPPING REPORT.
- SOILS MAPPED BY CSS CWS LUKE POWELL, ASSISTED BY IAN DESMARAIS. SEE CERTIFICATION BELOW.
- WETLANDS MAPPED BY CHRISTOPHER HUYLER AND CWS LUKE POWELL. SEE CERTIFICATION BELOW.

WETLAND CERTIFICATION:

WETLANDS WERE DELINEATED ON SEPTEMBER 17, 2024 BY CHRISTOPHER HUYLER AND LUKE POWELL, CERTIFIED WETLAND SCIENTIST #50, ACCORDING TO THE STANDARDS PUBLISHED IN THE US ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL CORPS (TECHNICAL REPORT Y-87-1) ALONG WITH THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (VERSION 2.0, JANUARY 2012). HYDRIC SOILS WERE DETERMINED UTILIZING FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND (VERSION 4, JUNE 2020).

WETLANDS CLASSIFICATION:

WETLANDS WERE CLASSIFIED ACCORDING TO THE STANDARDS PUBLISHED IN CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, BY LEWIS COWARDIN ET. AL., DECEMBER 1979, FWS/OBSS-79/31 US FISH & WILDLIFE SERVICE.

PSSIE PALUSTRINE, SCRUB-SHRUB, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED WETLAND.

SOILS MAPPING CERTIFICATION:

A SITE SPECIFIC SOIL SURVEY WAS COMPLETED SEPTEMBER 16 - 17, 2024 ACCORDING TO THE STANDARDS PUBLISHED IN SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT SOCIETY OF SOIL SCIENTISTS OF NORTHERN NEW ENGLAND SPECIAL PUBLICATION NO. 3, VERSION 7.0. THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, INTENDED TO SUPPORT ENGINEERING AND PERMITTING FOR PROPOSED RESIDENTIAL DEVELOPMENT. IT WAS PRODUCED BY A NH CERTIFIED SOIL SCIENTIST (LUKE POWELL CSS NO. 81) ASSISTED BY IAN DESMARAIS. THIS MAP IS NOT A PRODUCT OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE. THERE IS A REPORT THAT ACCOMPANIES THIS MAP.

SOILS LEGEND

26 WINDSOR
34 WAREHAM
118 SUBURBY
313 DEERFIELD
915 DEERFIELD VARIANT (SWPD)

SLOPE PHASES

A 0 - 3 %
B 3 - 8 %
C 8 - 15 %
D 15 - 25 %
E 25 - 50 %
F 50 %+

EXISTING CONDITIONS PLAN

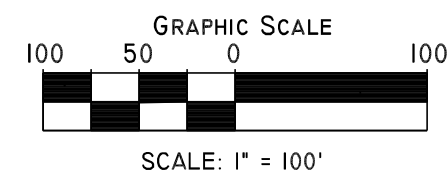
TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
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DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
LUKE POWELL, CSS, CWS



REV.	DATE	DESCRIPTION	BY
01.	6/09/25	PER TOWN REVISIONS	IAD
02.	7/02/25	PER NHDES AOT REVISIONS	IAD

DATE: 4/24/25
JOB NO: 24009



MICHEL R. LACASSE
A/K/A M.R. LACASSE HOMES, LLC

MAP 138 LOT 82 & 88
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HUDSON, NH 03051

MAP 138 LOT 65
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HUDSON, NH 03051 7742/0105

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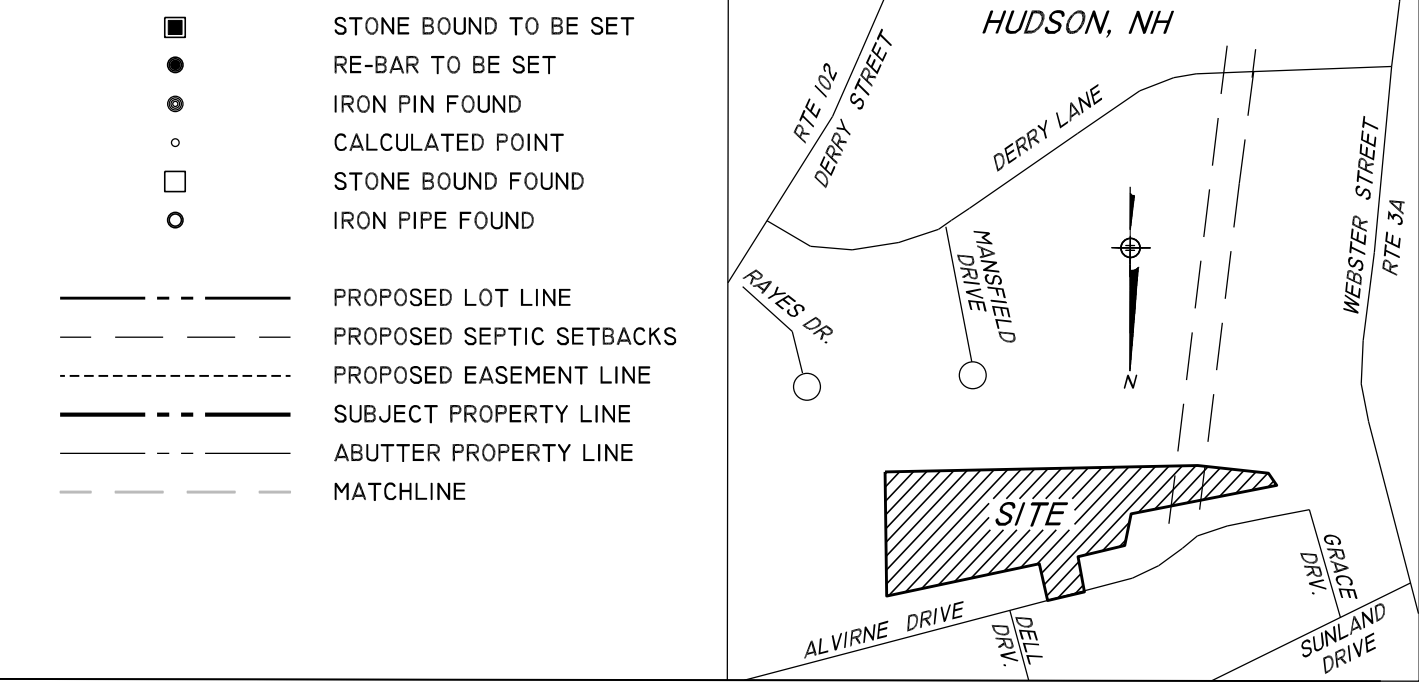
LOT NUMBER	TOTAL LOT AREA (S.F. / AC.)	WETLANDS (S.F. / AC.)	STEEP SLOPES (S.F. / AC.)	NET CONTIGUOUS BUILDABLE AREA (S.F. / AC.)	FRONTAGE
138/88-1	43,623 SF	0	0	43,623 SF	571.62 FT.
138/88-2	43,793 SF	0	0	43,793 SF	233.56 FT.
138/88-3	43,731 SF	0	0	43,731 SF	124.38 FT.
138/88-4	43,601 SF	0	0	43,601 SF	126.04 FT.
138/88-5	43,678 SF	0	0	43,678 SF	129.21 FT.
138/88-6	43,594 SF	0	0	43,594 SF	156.37 FT.
138/88-7	43,639 SF	0	0	43,639 SF	127.18 FT.
138/88-8	204,280 SF	40,304 SF	0	99,854 SF	120.64 FT.
138/88-9	84,027 SF	0	0	43,760 SF	395.79 FT.

PLAN REFERENCES:

- HUDSON SCHOOL DISTRICT SUBDIVISION PLAN, MAP 28 - LOT 92, PREPARED FOR HUDSON SCHOOL DISTRICT DATED NOV. 23, 1998 BY TF MORAN. FILED HCRD AS PLAN No. 29782.
- PLAN OF LAND OF SUNLAND CORPORATION, WEBSTER STREET HUDSON, NH, DATED JANUARY 1963 BY NED SPALDING. FILED HCRD AS PLAN No. 2497.
- SUBDIVISION PLAN, TAX MAP 147/LOT 24, MANSFIELD DRIVE & DERRY LANE, HUDSON, NEW HAMPSHIRE. PREPARED FOR HUDSON FIVE, LLC DATED MARCH 1, 2018 BY MAYNARD & PAQUETTE ENGINEERING ASSOCIATES, LLC FILED HCRD AS PLAN No. 40503.

NOTES:

- TOTAL AREA = 649,825 S.F. OR 14,917 AC. ±
- PROPOSED ROADWAY INTENDED TO BE DEDICATED TO THE TOWN OF HUDSON.
- PROPOSED DRAINAGE EASEMENTS TO BE DEDICATED TO THE TOWN OF HUDSON FOR MAINTENANCE.



LEGEND

- STONE BOUND TO BE SET
- RE-BAR TO BE SET
- IRON PIN FOUND
- CALCULATED POINT
- STONE BOUND FOUND
- IRON PIPE FOUND
- PROPOSED LOT LINE
- PROPOSED SEPTIC SETBACKS
- PROPOSED EASEMENT LINE
- SUBJECT PROPERTY LINE
- ABUTTER PROPERTY LINE
- MATCHLINE

VICINITY

1"=1000'

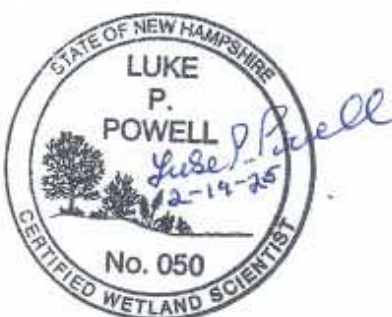
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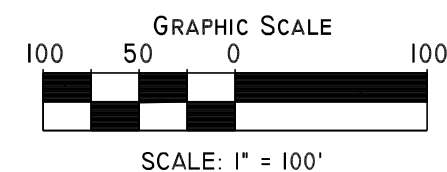
SUBDIVISION OVER VIEW PLAN

TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, TOWN, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC

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ASHLAND, NH 03217
TEL: (603) 968-5664
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01.	6/19/25	PER TOWN REVISIONS	IAD
02.	7/02/25	PER NHDES AOT REVISIONS	IAD
REV.	DATE	DESCRIPTION	BY

DATE: 4/24/25
JOB NO: 24009

SUB-I
03 OF 22

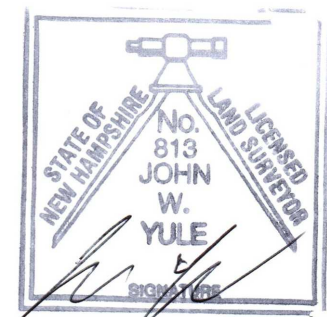
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DATE OF MEETING: _____

CHAIRMAN SIGNATURE DATE: _____

SECRETARY SIGNATURE DATE: _____

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FOR AN APPLICANT TO GAIN AN EXEMPTION FROM ALL SUBSEQUENT
CHANGES IN SUBDIVISION REGULATIONS, SITE PLAN REGULATIONS, AND CHANGES TO
ZONING ORDINANCE, SEE N.H. RSA 674:39

No.	DELTA	RADIUS	ARC LENGTH
C901	89°24'00"	125.00	195.04
C902	90°00'00"	25.00	39.27
C903	21°26'50"	75.00	28.07
C904	53°07'48"	50.00	46.36
C905	95°00'57"	75.00	124.38
C906	96°17'25"	75.00	126.04
C907	37°48'21"	50.00	32.99
C908	73°30'25"	75.00	96.22
C909	15°19'27"	50.00	13.37
C910	30°50'13"	175.00	94.19
C911	39°29'52"	175.00	120.64
C912	89°55'47"	25.00	39.24
C913	19°03'55"	175.00	58.23

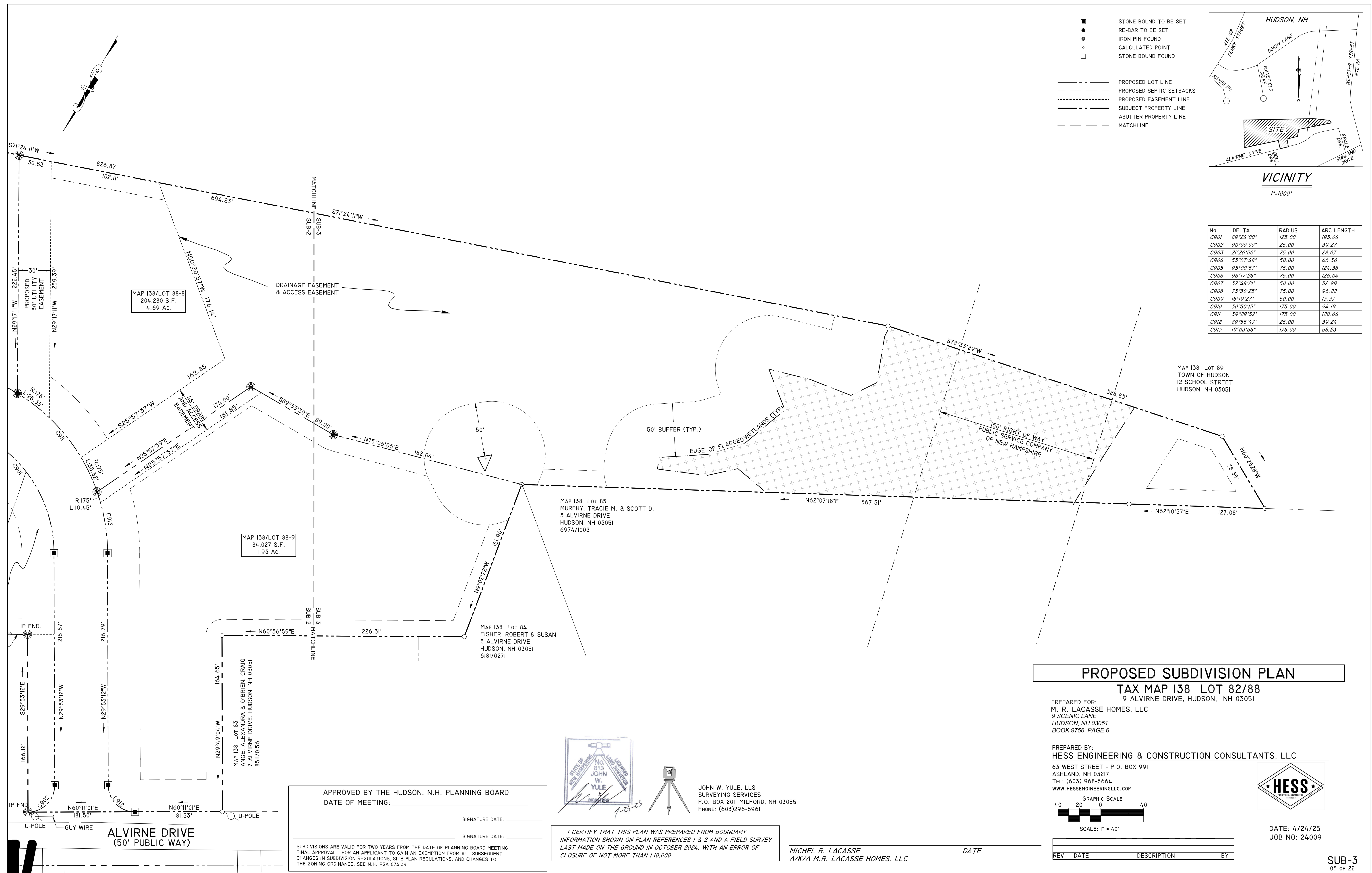


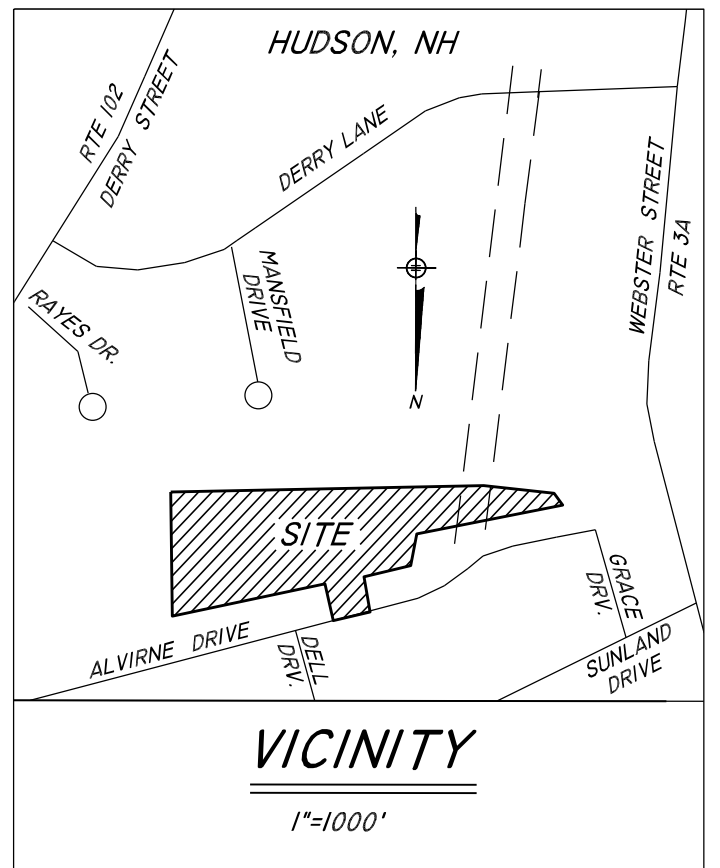
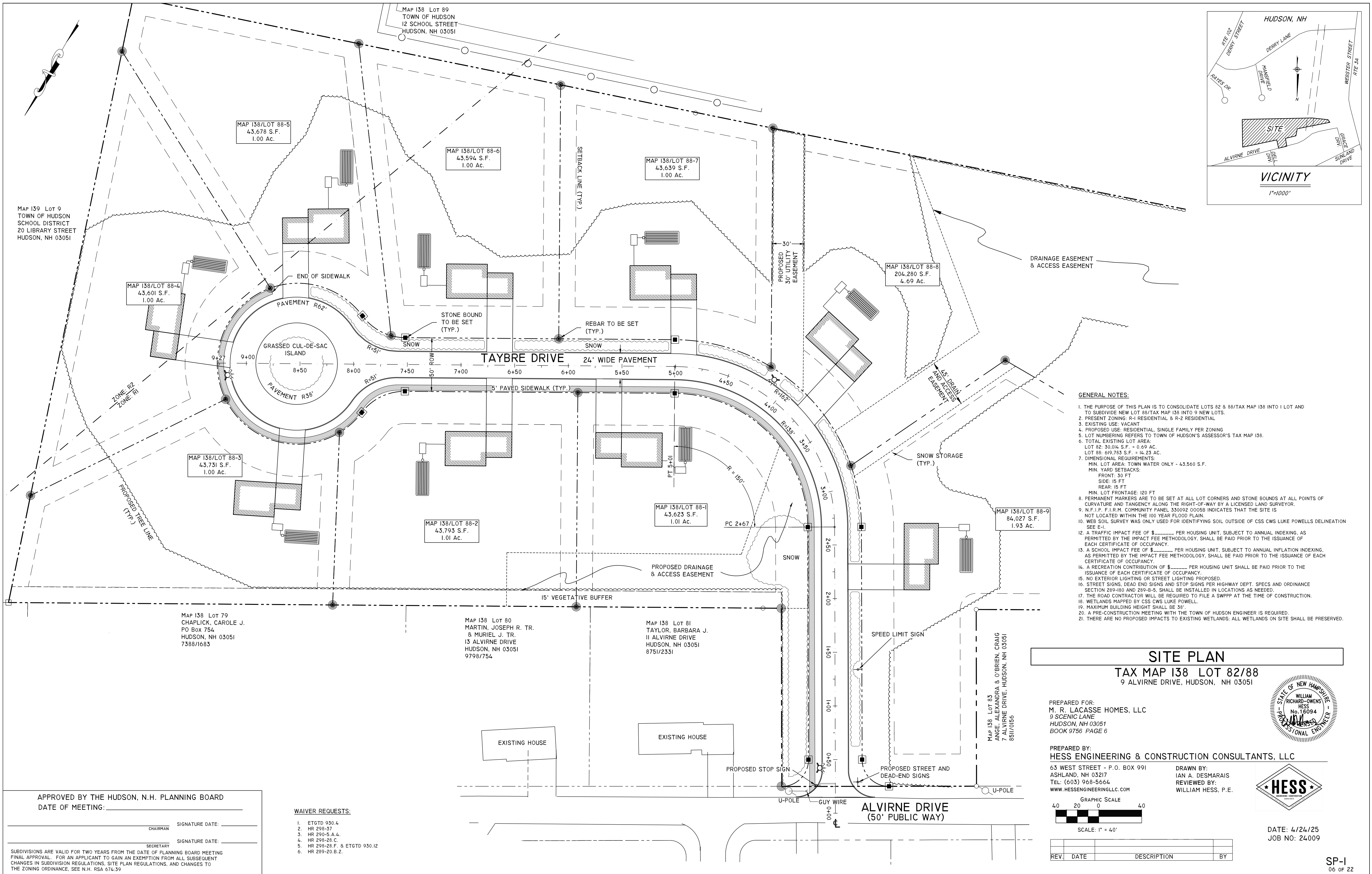
JOHN W. YULE, LLS
SURVEYING SERVICES
P.O. BOX 201, MILFORD, NH 03055
PHONE: (603)296-5961

I CERTIFY THAT THIS PLAN WAS PREPARED FROM BOUNDARY
INFORMATION SHOWN ON PLAN REFERENCES 1 & 2 AND A FIELD SURVEY
LAST MADE ON THE GROUND IN OCTOBER 2024, WITH AN ERROR OF
CLOSURE OF NOT MORE THAN 1:10,000.

MICHEL R. LACASSE
A/K/A M.R. LACASSE HOMES, LLC

DATE





- GENERAL NOTES:**
1. THE PURPOSE OF THIS PLAN IS TO CONSOLIDATE LOTS 82 & 88/TAX MAP 138 INTO 1 LOT AND TO SUBDIVIDE NEW LOT 88/TAX MAP 138 INTO 9 NEW LOTS.
 2. PRESENT ZONING: R-1 RESIDENTIAL & R-2 RESIDENTIAL
 3. EXISTING USE: VACANT
 4. PROPOSED USE: RESIDENTIAL, SINGLE FAMILY PER ZONING
 5. LOT NUMBERING REFERS TO TOWN OF HUDSON'S ASSESSOR'S TAX MAP 138.
 6. TOTAL EXISTING LOT AREA:
LOT 82: 30,014 S.F. = 0.69 AC.
LOT 88: 619,783 S.F. = 14.23 AC.
 7. DIMENSIONAL REQUIREMENTS:
MIN. LOT AREA: TOWN WATER ONLY - 43,560 S.F.
MIN. YARD SETBACKS:
FRONT: 30 FT
SIDE: 15 FT
REAR: 15 FT
MIN. LOT FRONTAGE: 120 FT
 8. PERMANENT MARKERS ARE TO BE SET AT ALL LOT CORNERS AND STONE BOUNDS AT ALL POINTS OF CURVATURE AND TANGENCY ALONG THE RIGHT-OF-WAY BY A LICENSED LAND SURVEYOR.
 9. N.F.I.P. F.I.R.M. COMMUNITY PANEL 330092 00058 INDICATES THAT THE SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOOD PLAIN.
 10. WEB SOIL SURVEY WAS ONLY USED FOR IDENTIFYING SOIL OUTSIDE OF CSS CWS LUKE POWELL'S DELINEATION SEE E-1.
 11. A TRAFFIC IMPACT FEE OF \$_____ PER HOUSING UNIT, SUBJECT TO ANNUAL INDEXING, AS PERMITTED BY THE IMPACT FEE METHODOLOGY, SHALL BE PAID PRIOR TO THE ISSUANCE OF EACH CERTIFICATE OF OCCUPANCY.
 12. A SCHOOL IMPACT FEE OF \$_____ PER HOUSING UNIT, SUBJECT TO ANNUAL INFLATION INDEXING, AS PERMITTED BY THE IMPACT FEE METHODOLOGY, SHALL BE PAID PRIOR TO THE ISSUANCE OF EACH CERTIFICATE OF OCCUPANCY.
 13. A RECREATION CONTRIBUTION OF \$_____ PER HOUSING UNIT SHALL BE PAID PRIOR TO THE ISSUANCE OF EACH CERTIFICATE OF OCCUPANCY.
 14. NO EXTERIOR LIGHTING OR STREET LIGHTING PROPOSED.
 15. STREET SIGNS, DEAD END SIGNS AND STOP SIGNS PER HIGHWAY DEPT. SPECS AND ORDINANCE SECTION 289-180 AND 289-185, SHALL BE INSTALLED IN LOCATIONS AS NEEDED.
 16. THE ROAD CONTRACTOR WILL BE REQUIRED TO FILE A SWPPP AT THE TIME OF CONSTRUCTION.
 17. WETLANDS MAPPED BY CSS CWS LUKE POWELL.
 18. MAXIMUM BUILDING HEIGHT SHALL BE 38'.
 19. A PRE-CONSTRUCTION MEETING WITH THE TOWN OF HUDSON ENGINEER IS REQUIRED.
 20. THERE ARE NO PROPOSED IMPACTS TO EXISTING WETLANDS. ALL WETLANDS ON SITE SHALL BE PRESERVED.

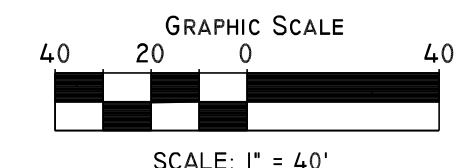
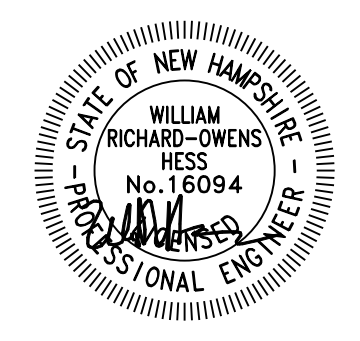
SITE PLAN
TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC

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DRAWN BY:
IAN A. DESMARIS
REVIEWED BY:
WILLIAM HESS, P.E.



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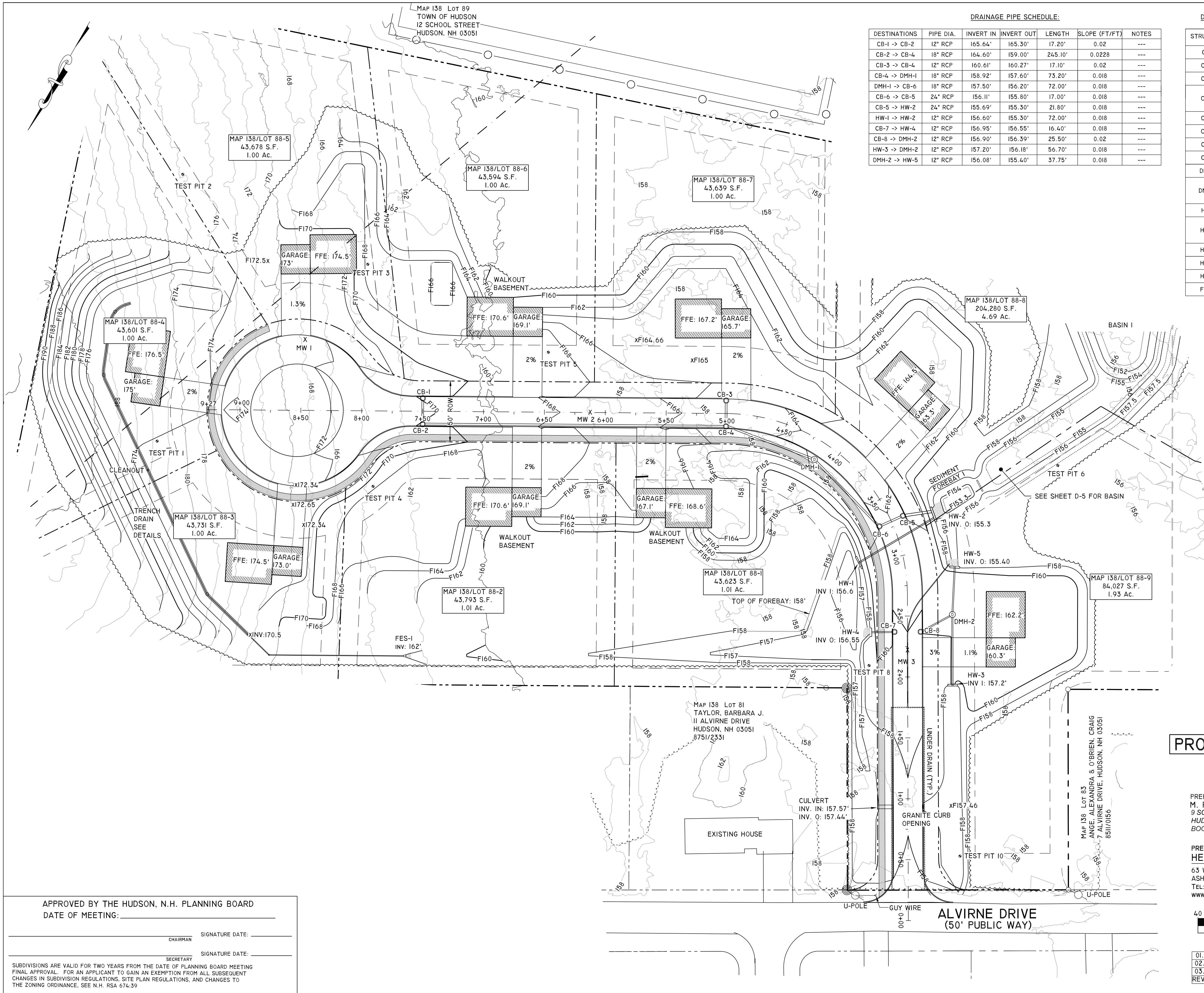
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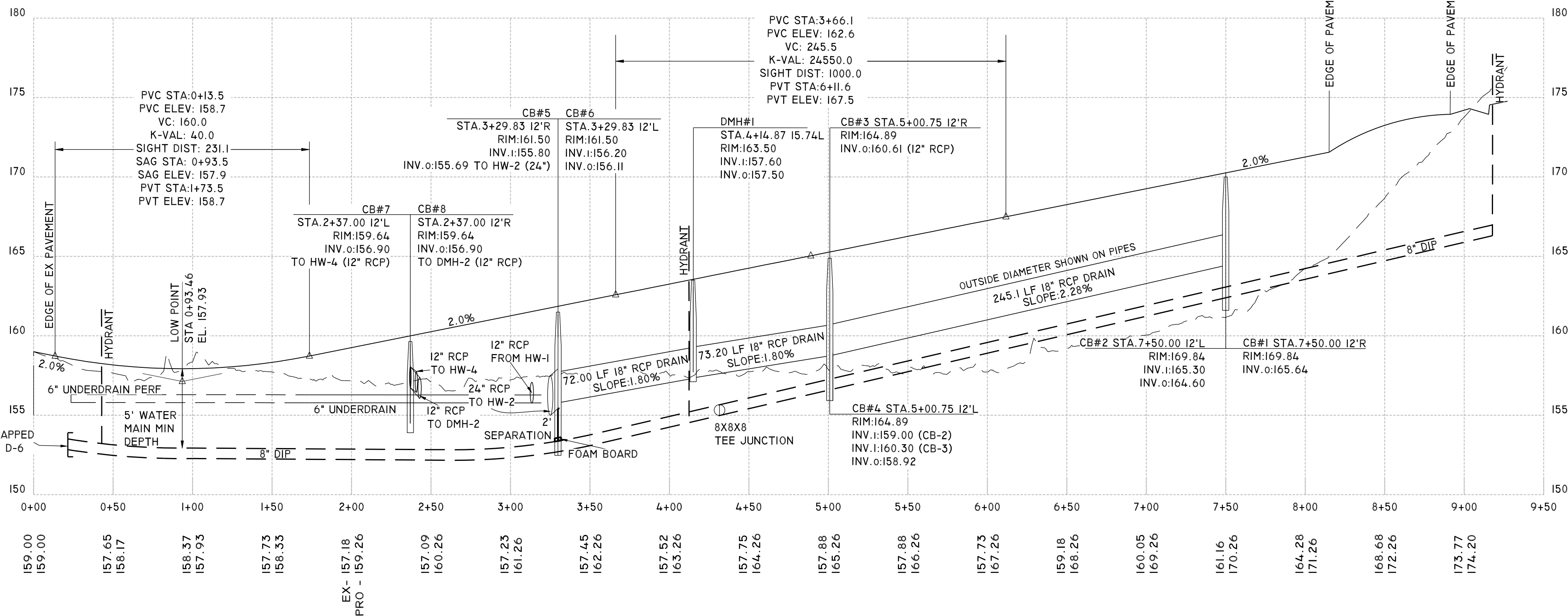
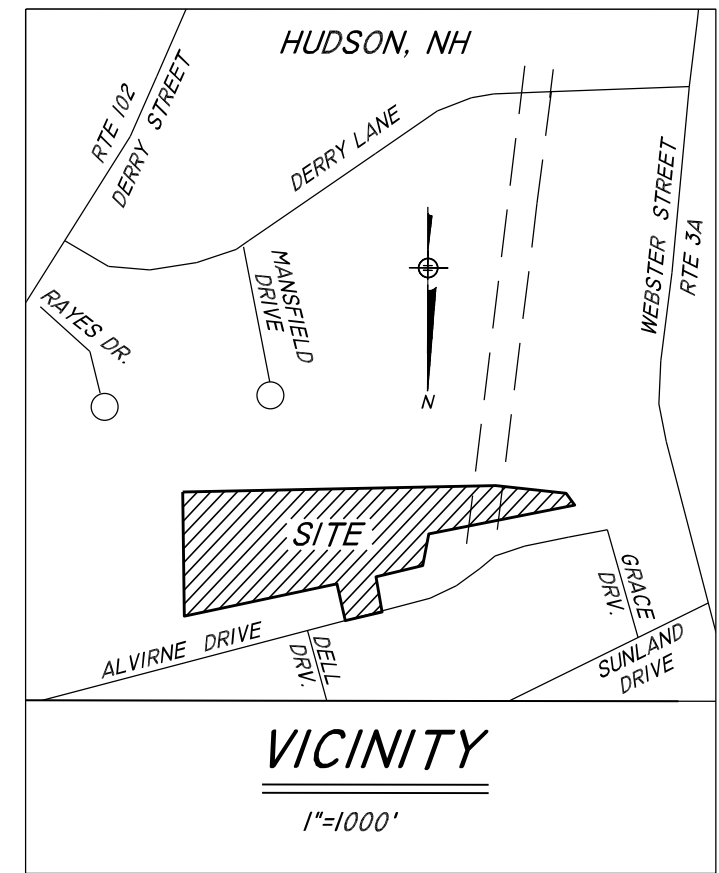
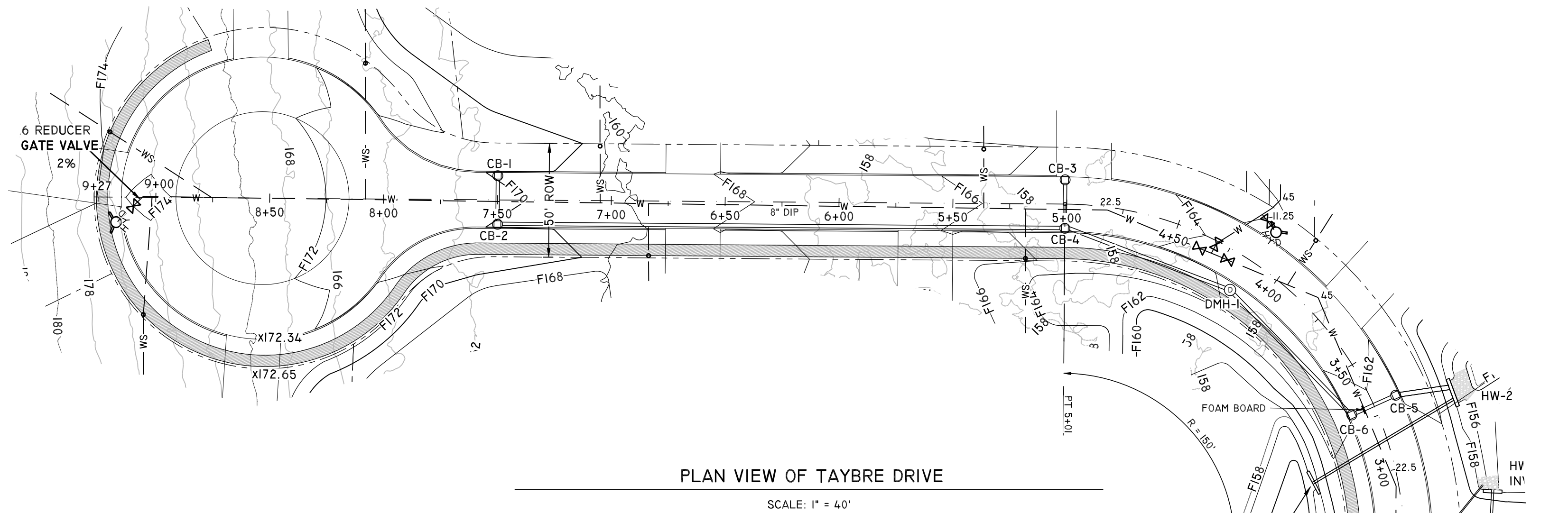
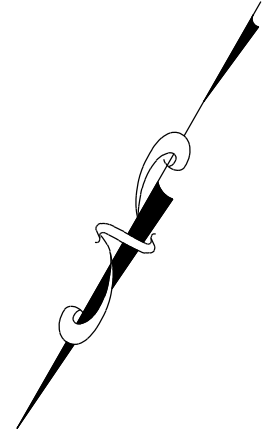
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- WAIVER REQUESTS:**
1. ETGTD 930.4
 2. HR 298-37
 3. HR 290-5.A.4.
 4. HR 298-28.C.
 5. HR 298-28.F. & ETGTD 930.12
 6. HR 289-20.B.2.





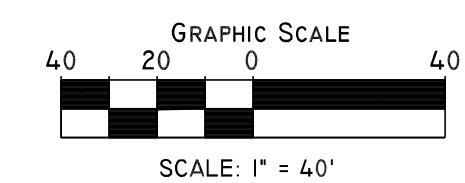
PROPOSED ROAD PROFILE PLAN
TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SOEWIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

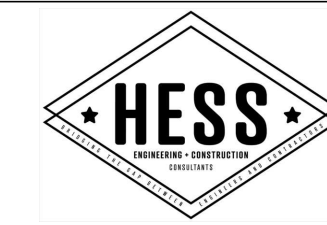
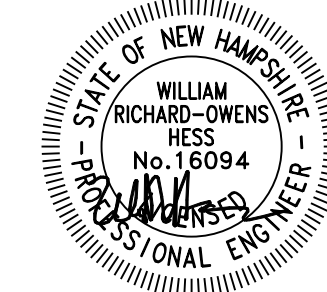
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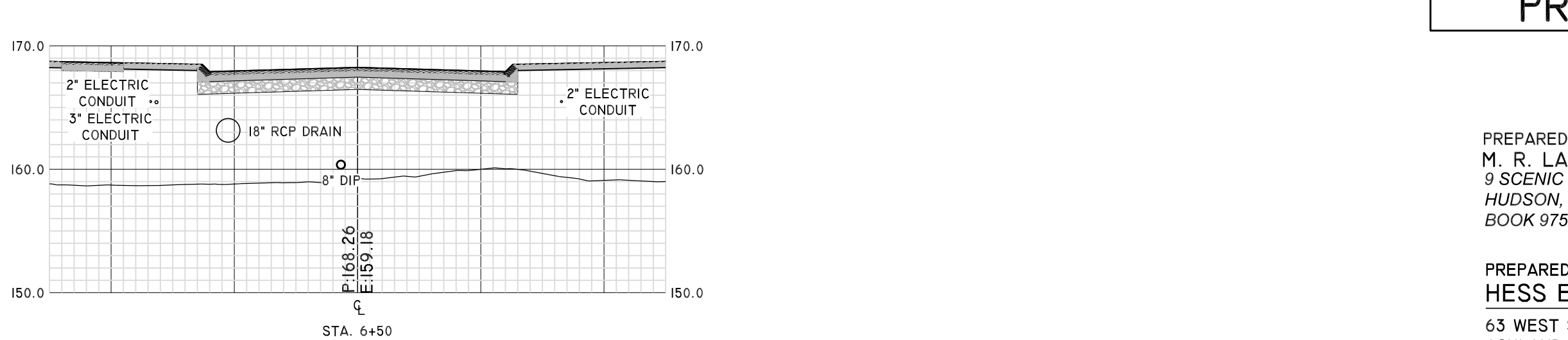
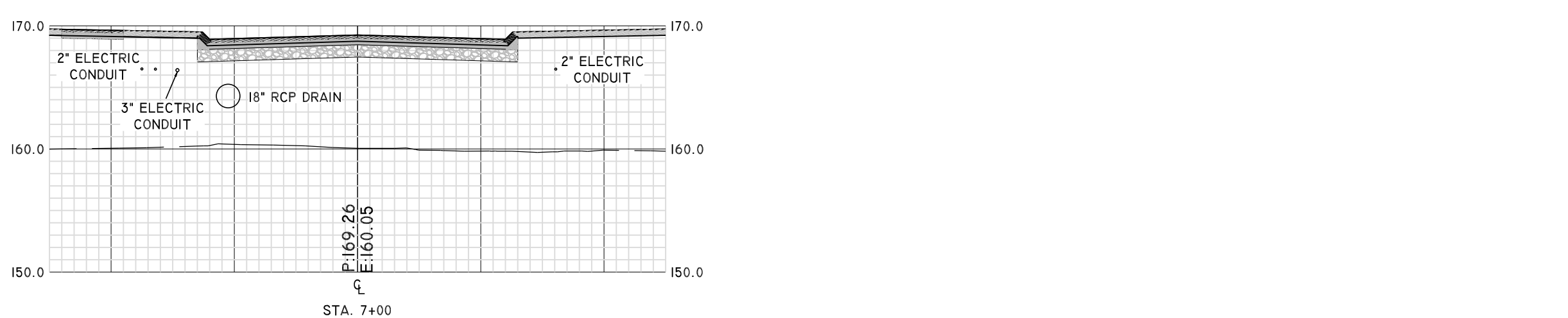
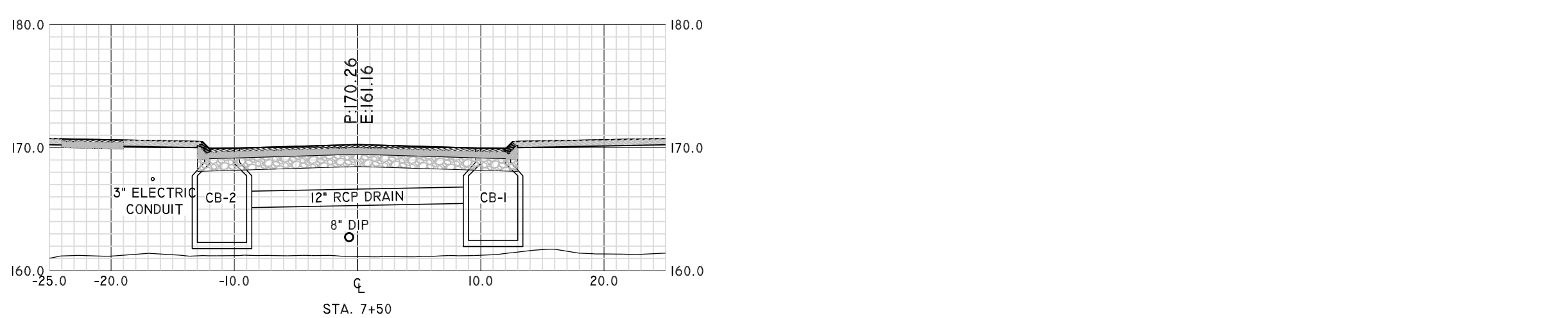
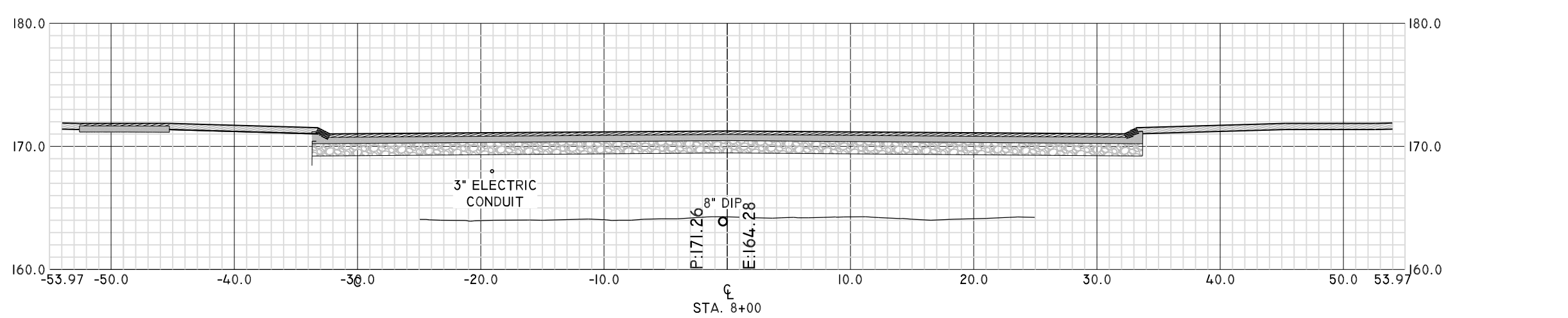
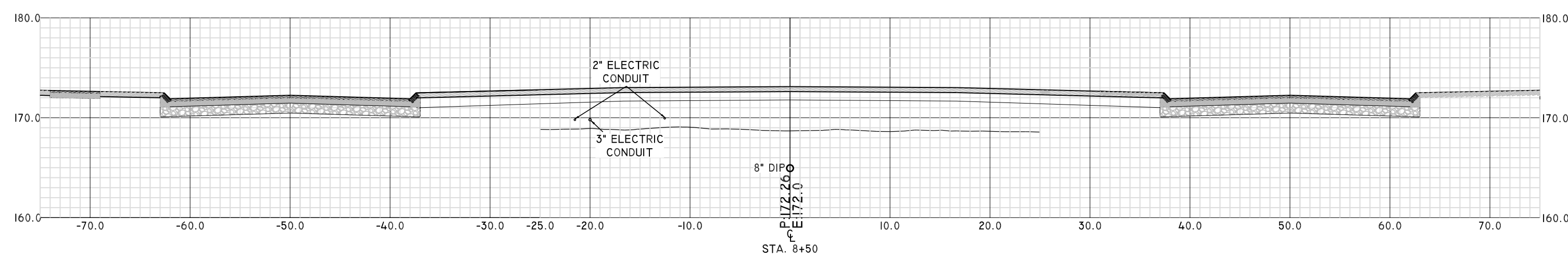
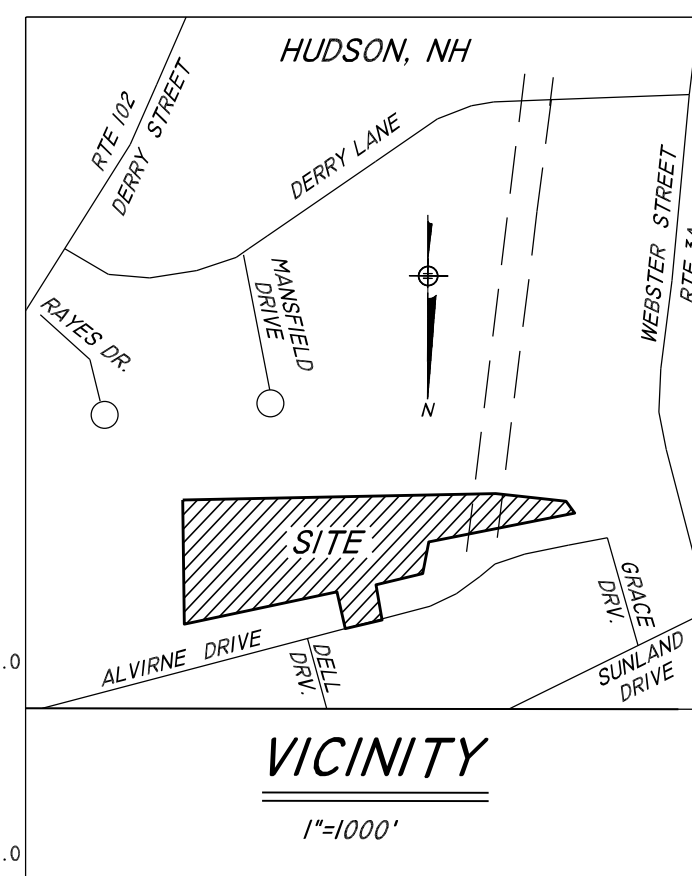
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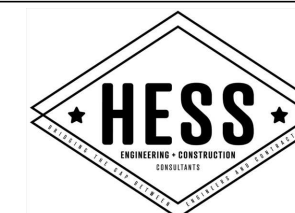
SECRETARY SIGNATURE DATE: _____

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TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

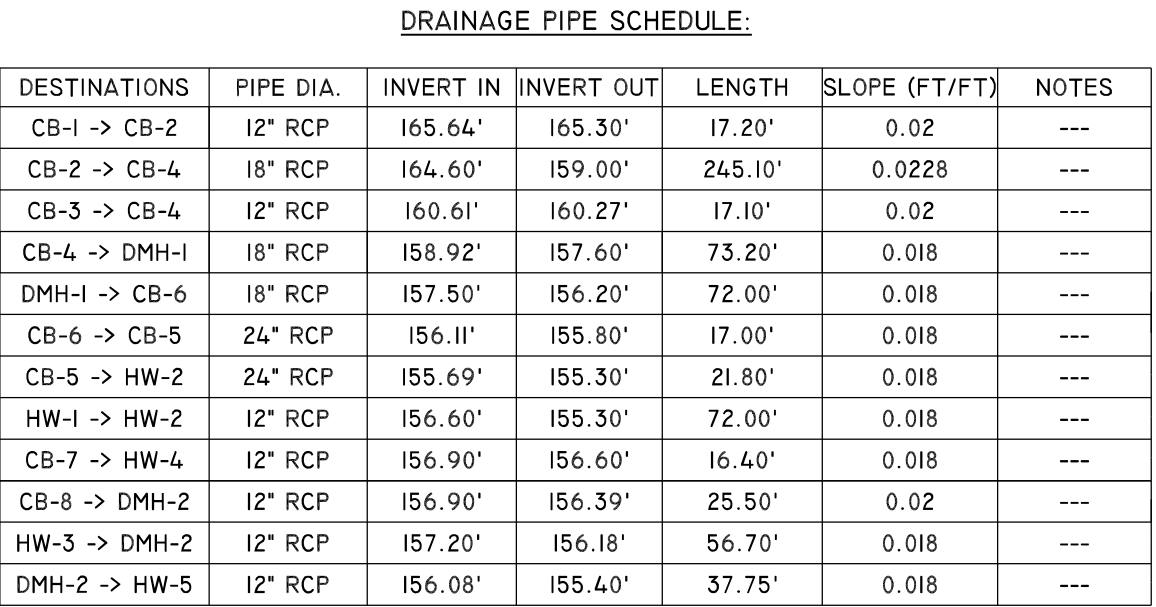
DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
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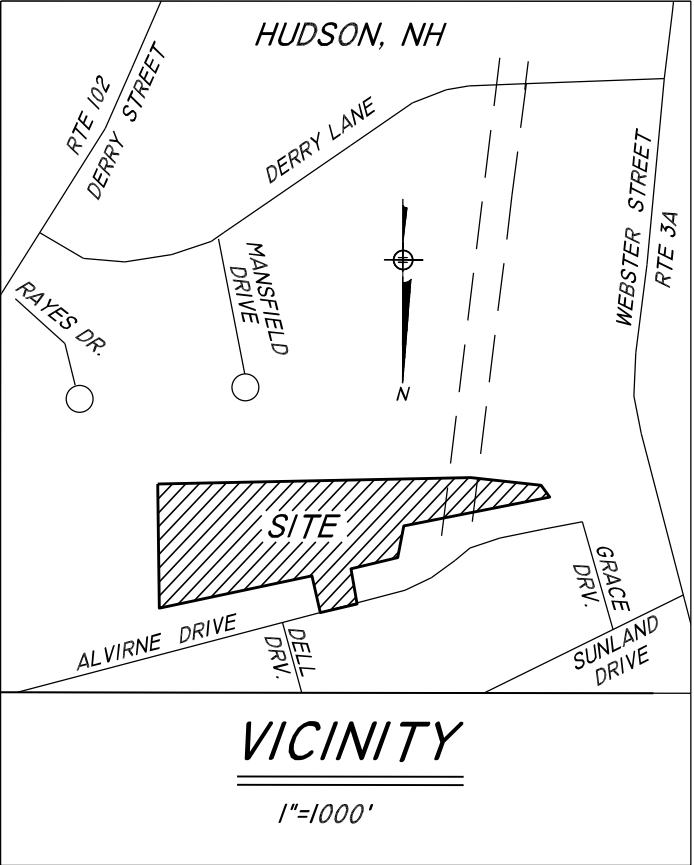
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09 OF 22

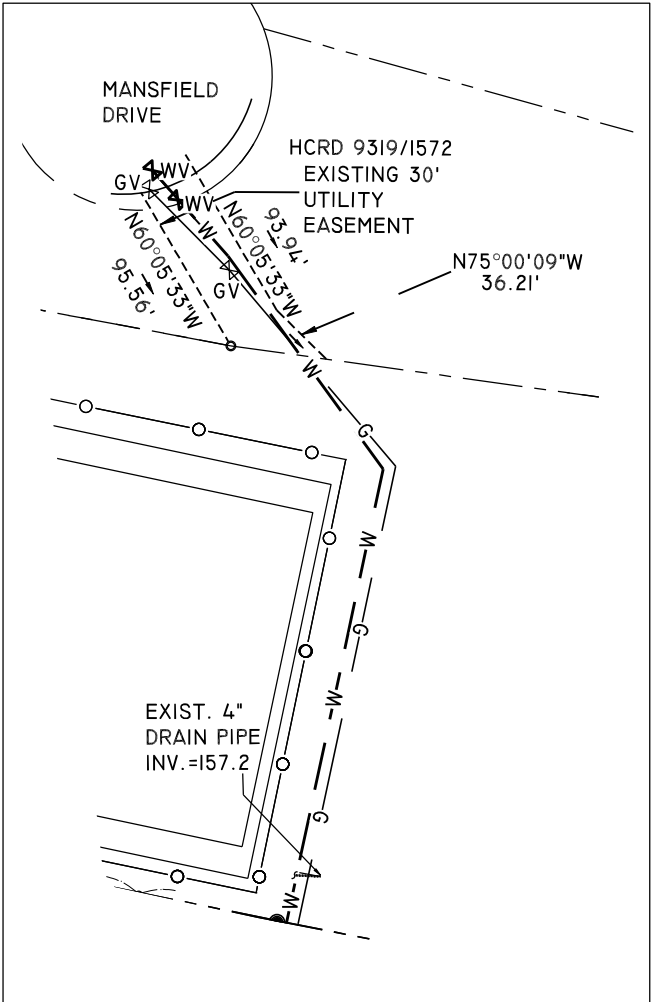


DRAINAGE STRUCTURE SCHEDULE:				
STRUCTURE	RIM ELEV.	INV. OUT	INV. IN	DIA.
CB-1	169.84'	165.64'	---	4'
CB-2	169.84'	164.60'	165.30'	4'
CB-3	164.89'	160.61'	---	4'
CB-4	164.89'	158.92'	160.27'	4'
		---	159.00'	
CB-5	161.50'	155.69'	155.80'	4'
CB-6	161.50'	156.11'	156.20'	4'
CB-7	159.64'	156.90'	---	4'
CB-8	159.64'	156.90'	---	4"
DMH-1	163.5'	157.50'	157.60'	4'
DMH-2	160.5'	156.08'	156.39'	4'
		---	156.18'	
HW-1	---	156.60'	---	12"
HW-2	---	155.30'	---	24"
	---	155.30'	---	12"
HW-3	---	157.20'	---	12"
HW-4	---	156.60'	---	12"
HW-5	---	155.40'	---	12"
FES-1	---	162'	---	6"



UTILITY NOTES:

1. ALL WATER TO BE CL-52 DUCTILE IRON OR C900 (IF ACCEPTED BY LOCAL WATER DISTRICT)
2. WATER MAINS TO BE 8" DIP.
3. THRUST BLOCKS TO BE USED AT ALL BENDS; SEE DETAILS.
4. ALL WATER SERVICES TO BE 1" COPPER PIPE.
5. ALL GATES TO MEET TOWN OF HUDSON SPECIFICATIONS AND SHALL BE APPROVED BY THE TOWN WATER DISTRICT PRIOR TO INSTALLATION.
6. FINAL ELECTRIC DESIGN TO BE DONE BY UTILITY PROVIDER.
7. FINAL GAS LOCATION TO BE APPROVED BY THE UTILITY PROVIDER.



CONNECTION DETAIL MANSFIELD DRIVE
1" = 100' SCALE

PROPOSED UTILITY PLAN

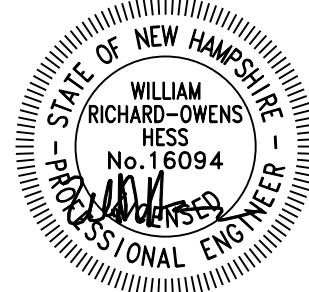
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9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC

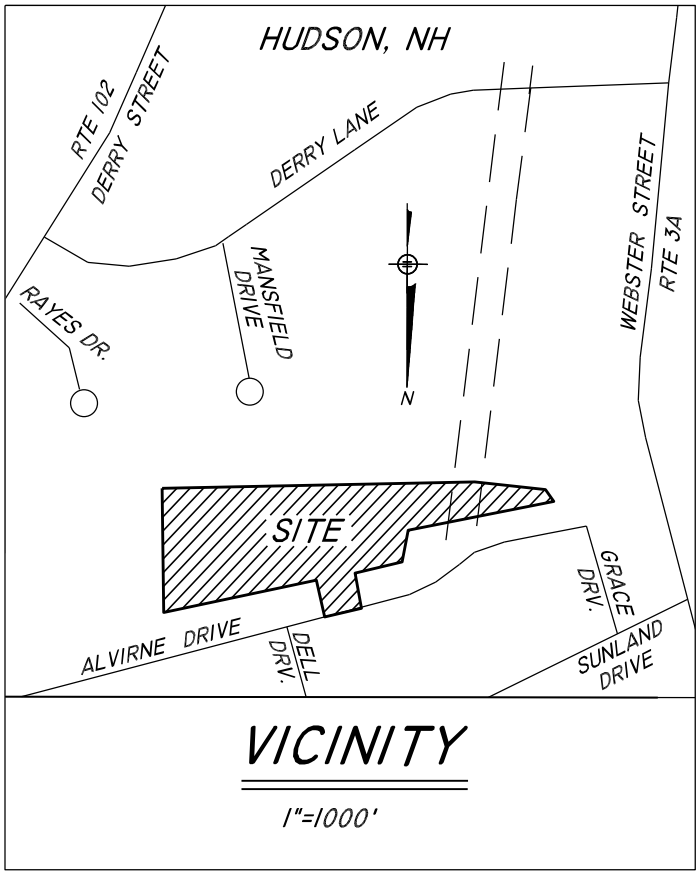
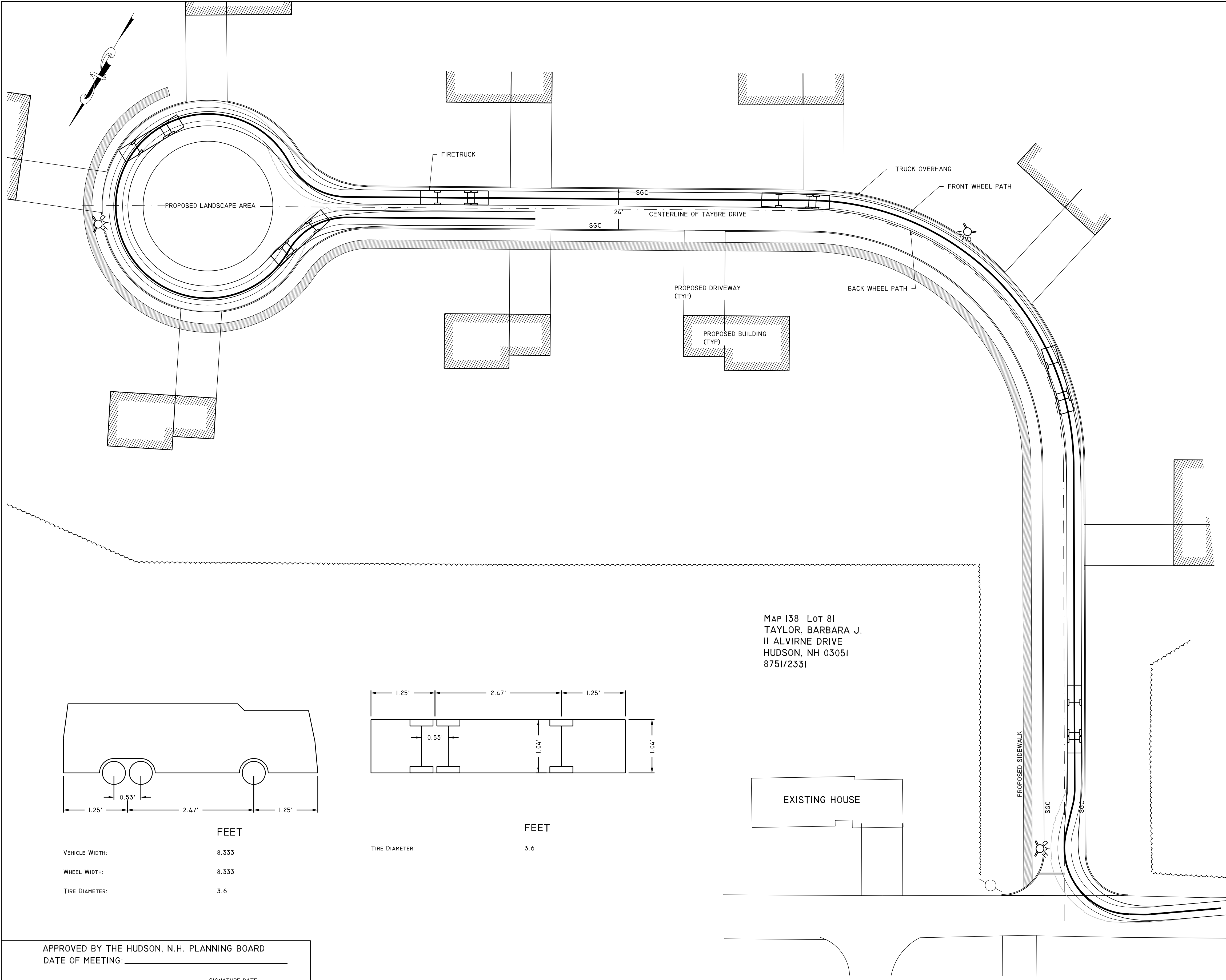
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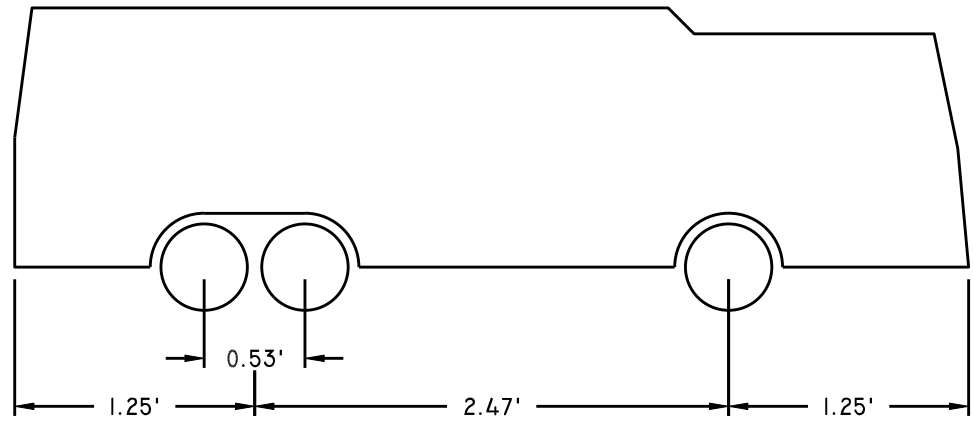
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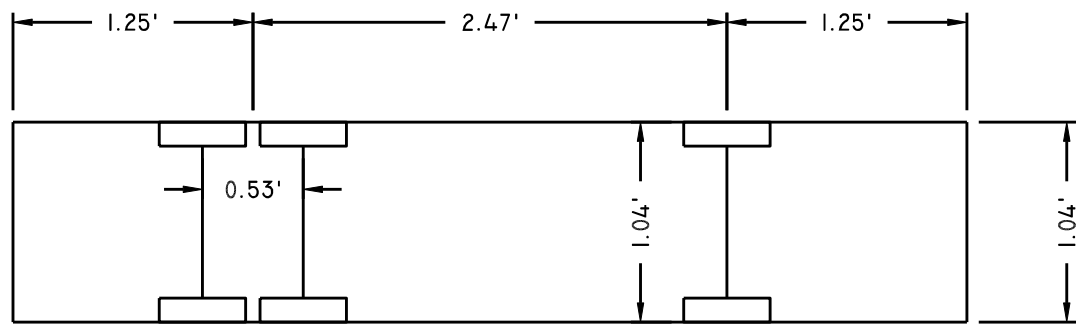


- GENERAL NOTES:
- FIRETRUCKS WERE MODELED WITH A 39' MINIMUM TURNING RADIUS

MAP 138 LOT 81
TAYLOR, BARBARA J.
11 ALVIRNE DRIVE
HUDSON, NH 03051
8751/2331



VEHICLE WIDTH: 8.333
WHEEL WIDTH: 8.333
TIRE DIAMETER: 3.6



TIRE DIAMETER: 3.6

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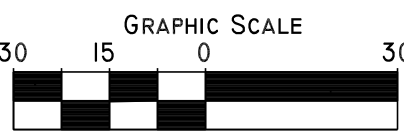
FIRETRUCK PLAN
TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

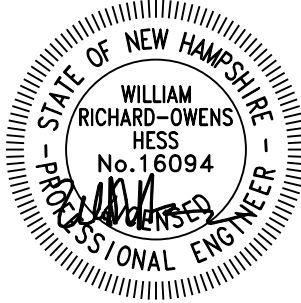
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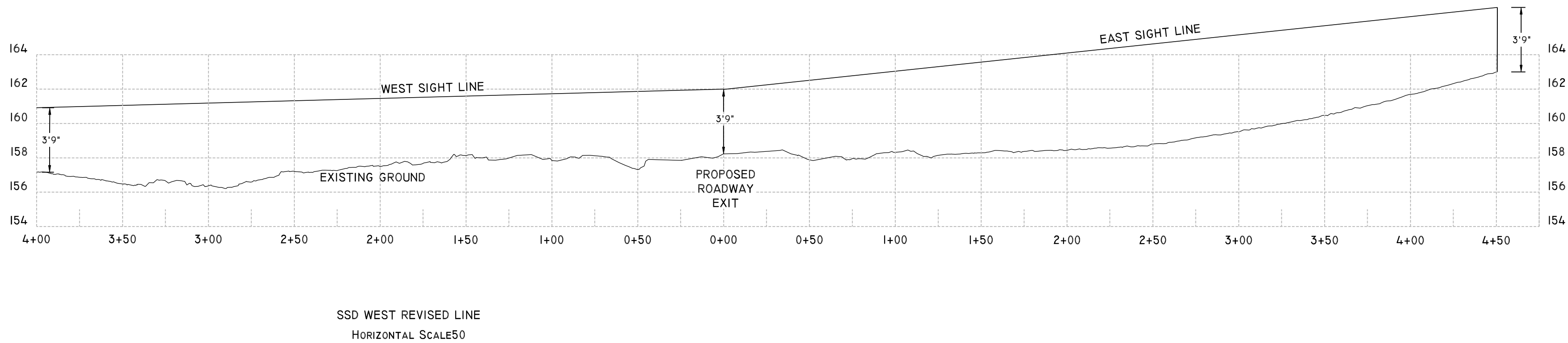
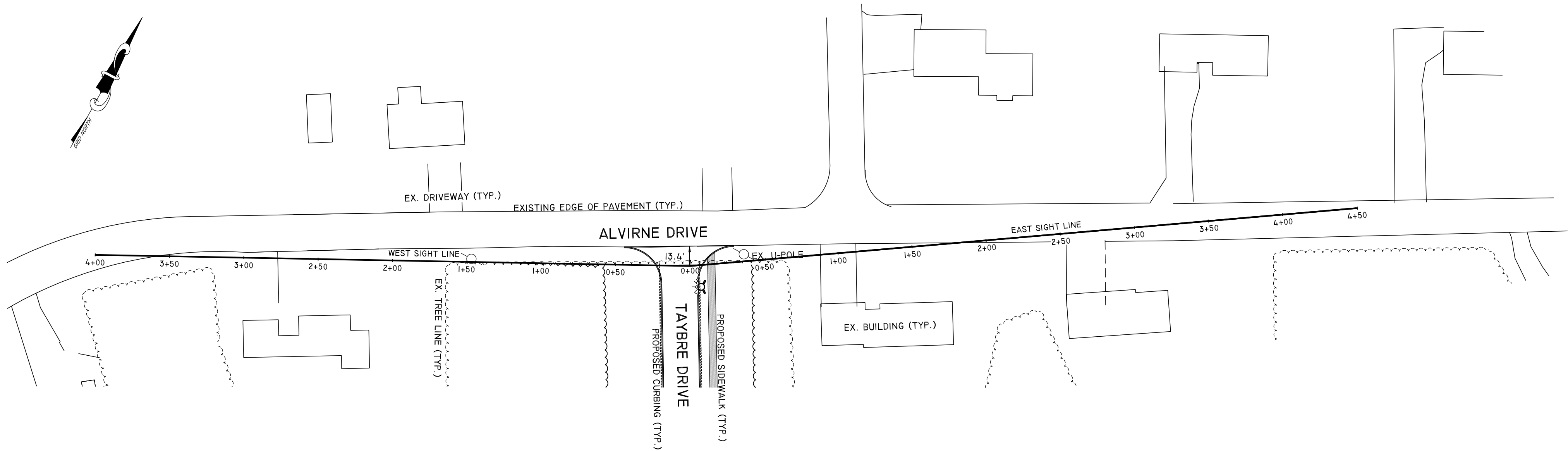


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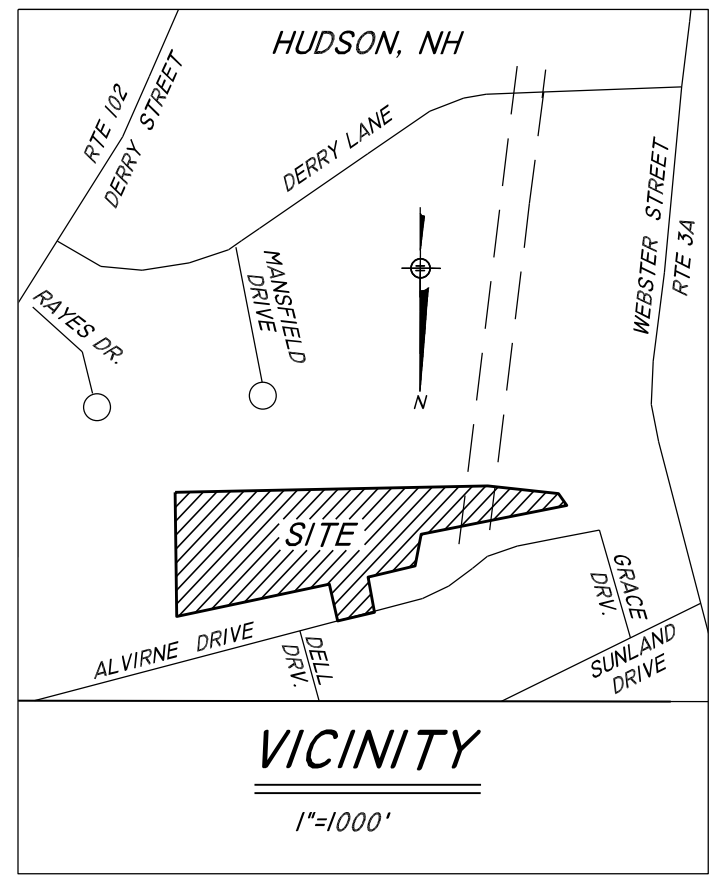
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PROPOSED SIGHT DISTANCE PLAN

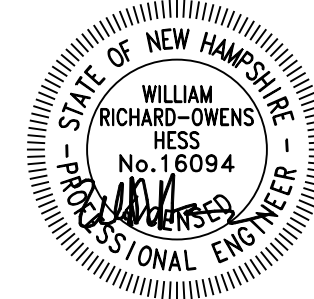
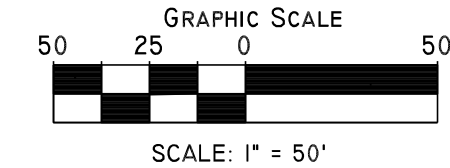
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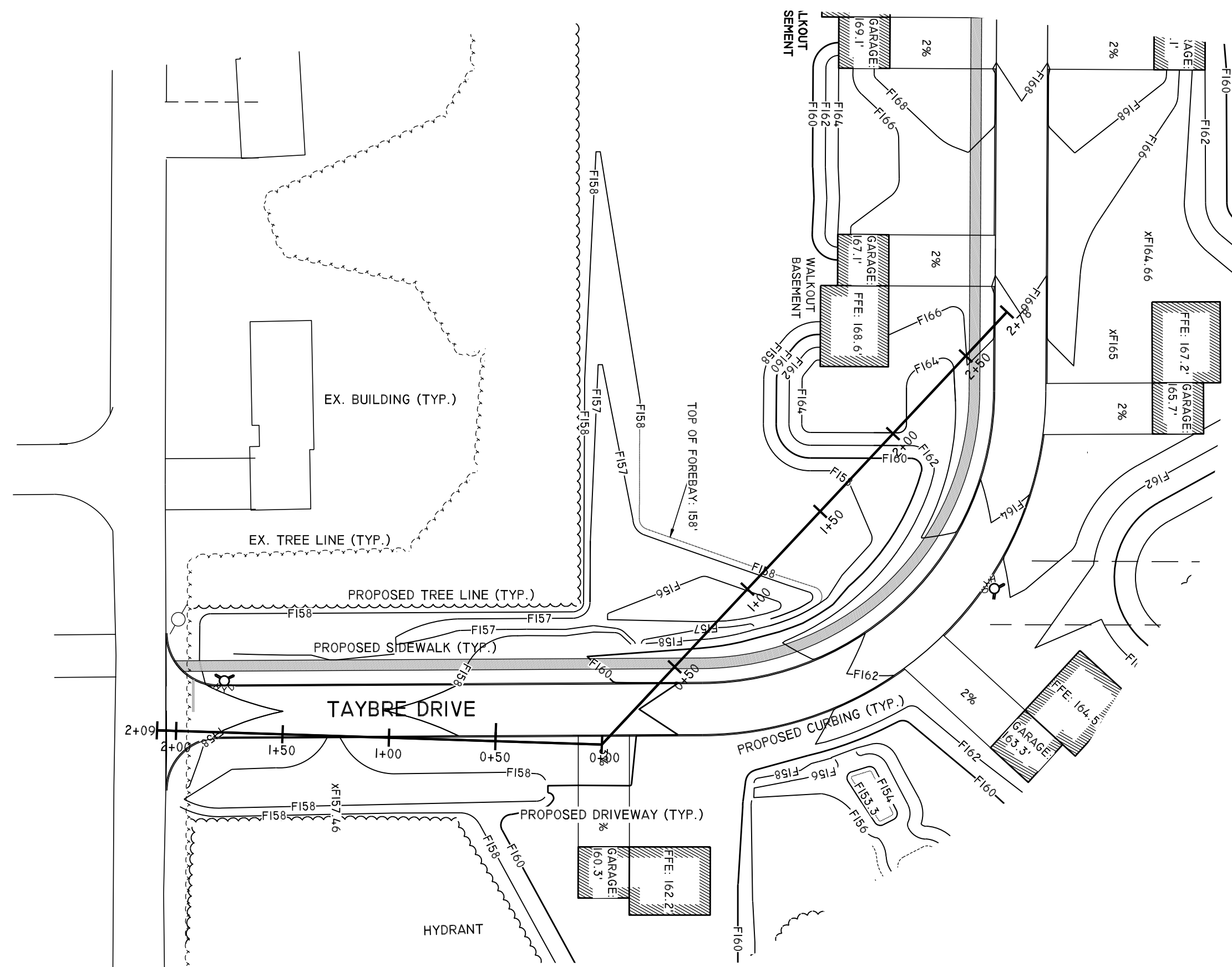
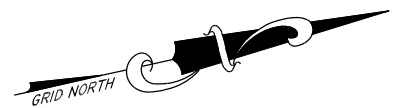
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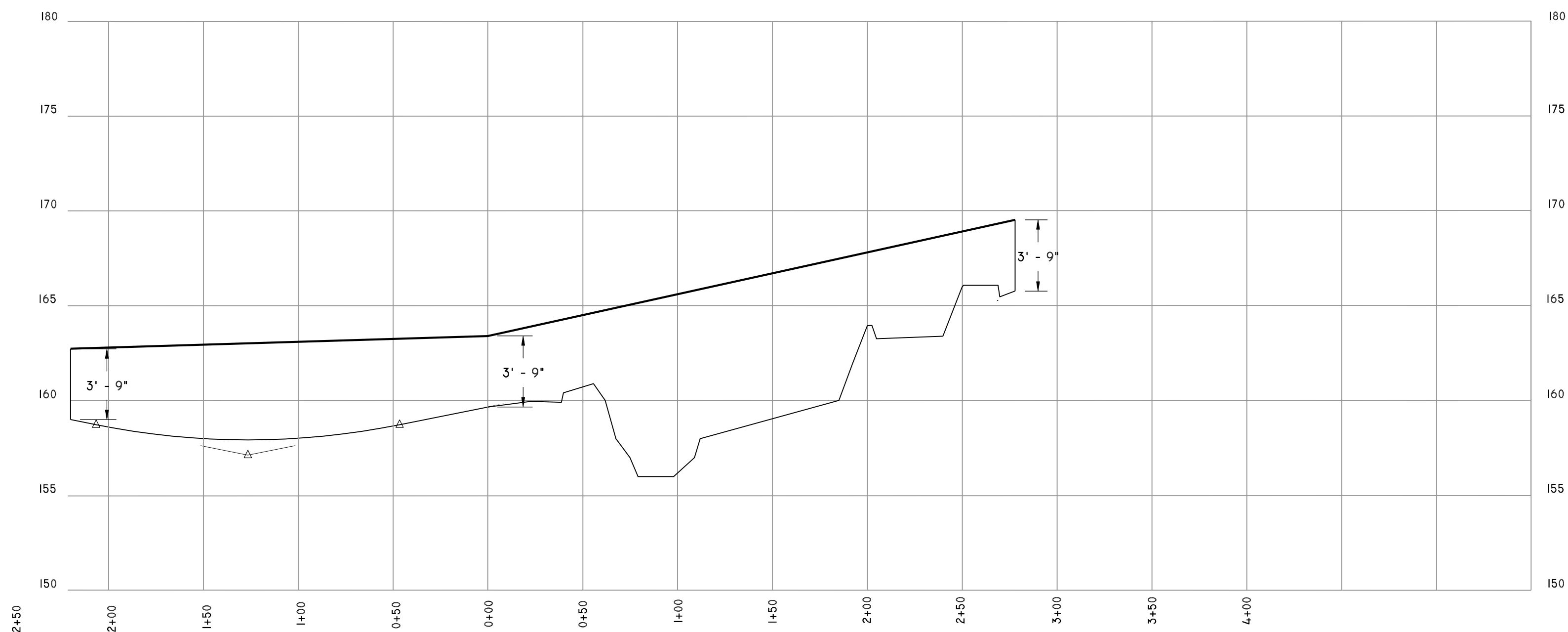
REV.	DATE	DESCRIPTION	BY

SD-1
13 OF 22



PLAN VIEW OF TAYBRE DRIVE

SCALE: 1" = 50'



PROFILE VIEW OF TAYBRE DRIVE

HORIZONTAL SCALE: 1" = 50'

VERTICAL SCALE: 1" = 5'

APPROVED BY THE HUDSON, N.H. PLANNING BOARD
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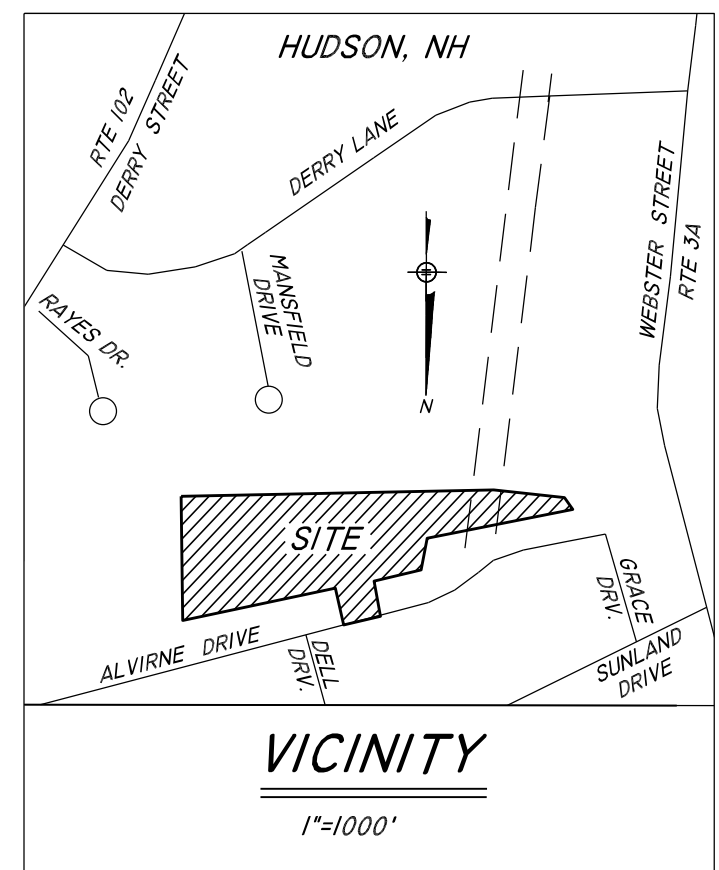
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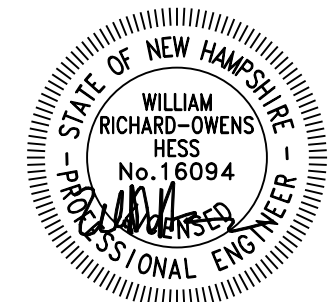
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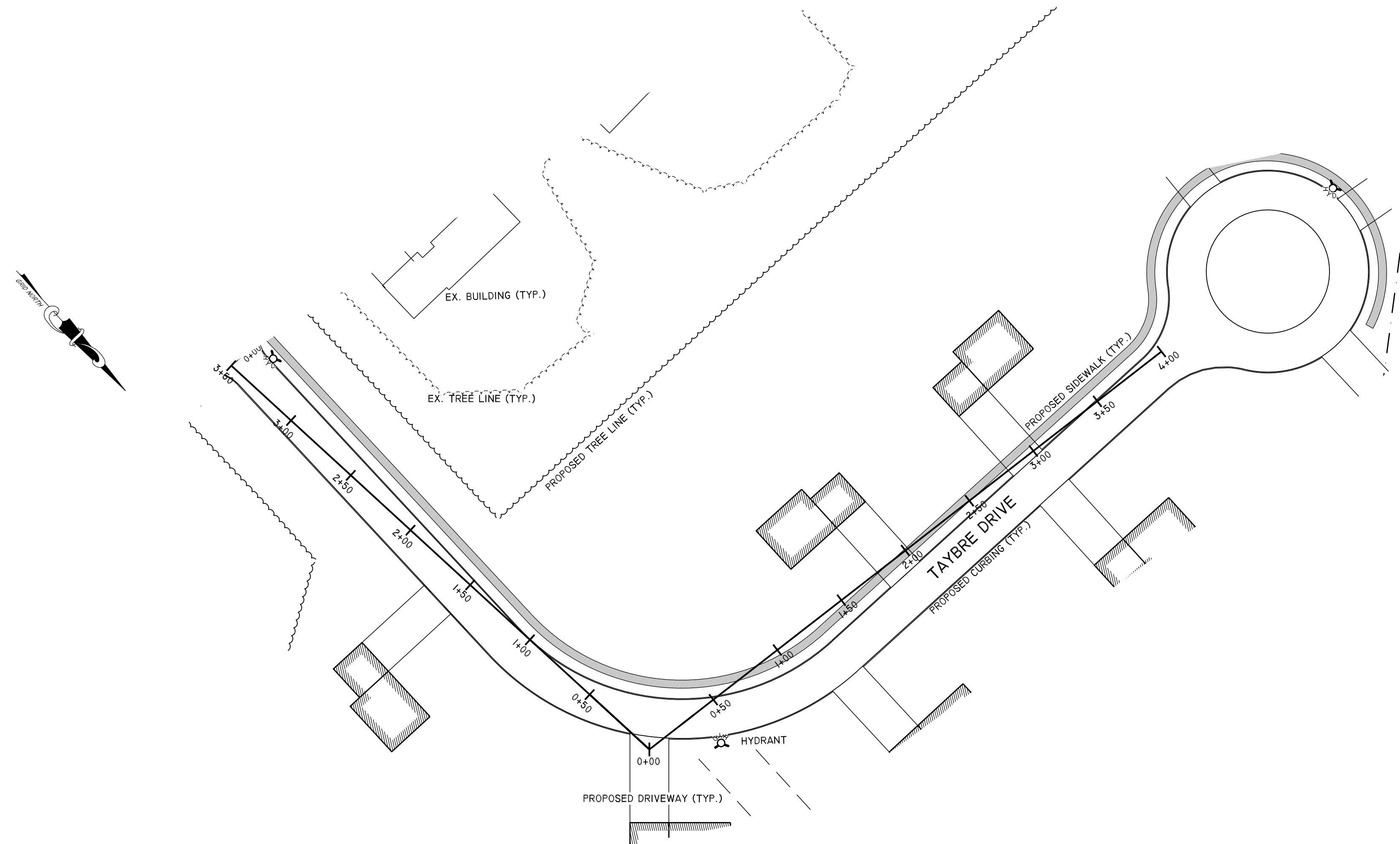
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ASHLAND, NH 03217
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DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.



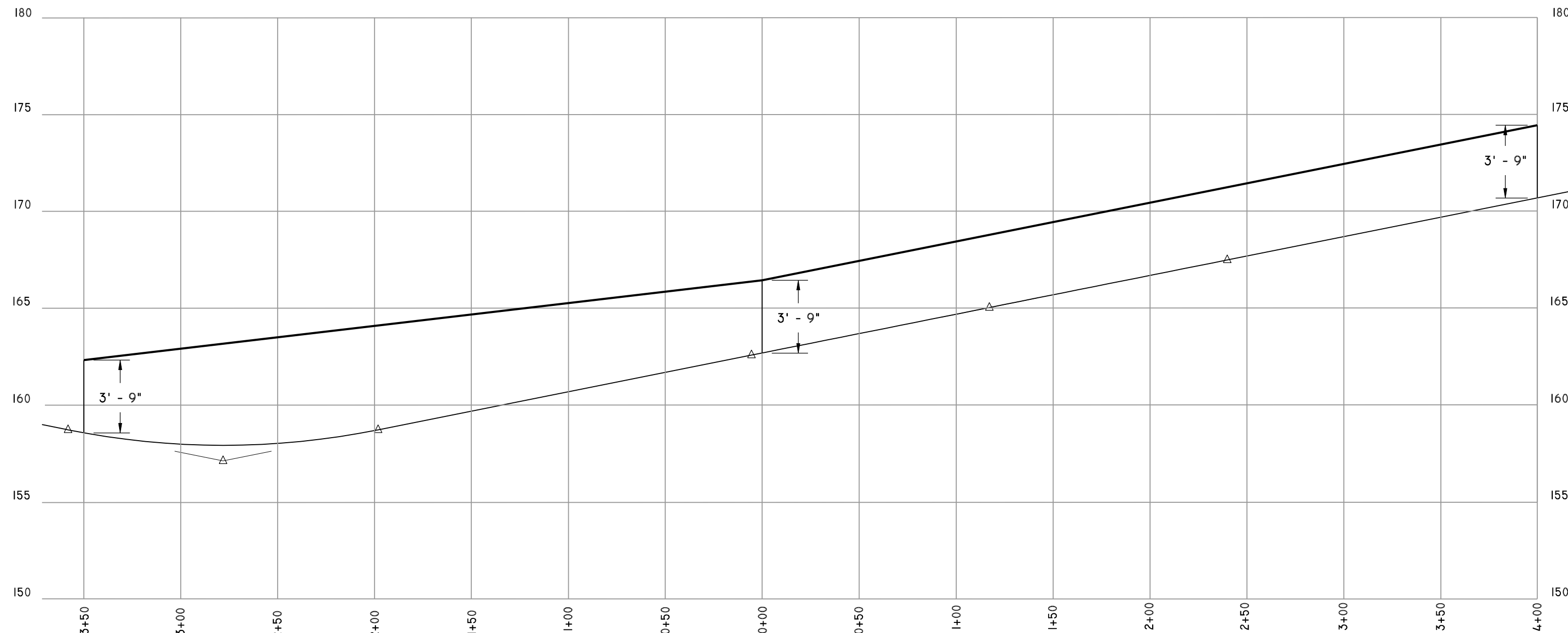
DATE: 4/24/25
JOB NO: 24009

REV.	DATE	DESCRIPTION	BY



PLAN VIEW OF TAYBRE DRIVE

SCALE: 1" = 50'



PROFILE VIEW OF TAYBRE DRIVE

HORIZONTAL SCALE: 1" = 50'

VERTICAL SCALE: 1" = 5'

APPROVED BY THE HUDSON, N.H. PLANNING BOARD
DATE OF MEETING: _____

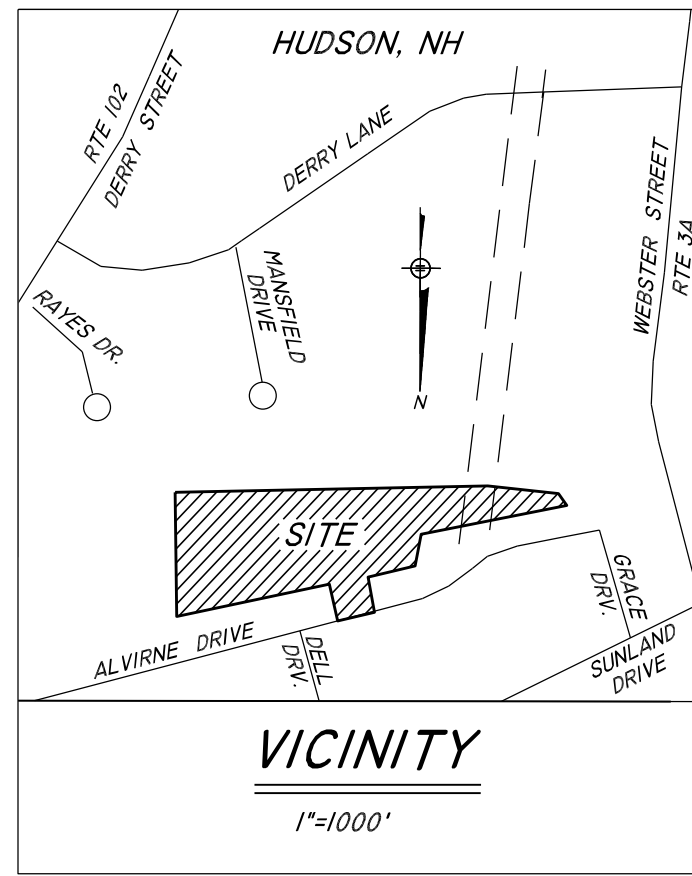
CHAIRMAN

SIGNATURE DATE: _____

SECRETARY

SIGNATURE DATE: _____

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PROPOSED SIGHT DISTANCE PLAN

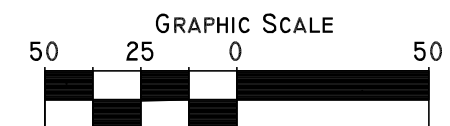
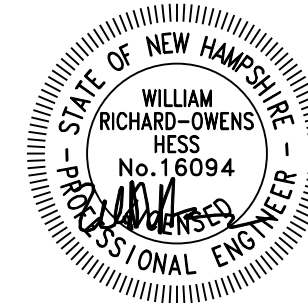
TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC

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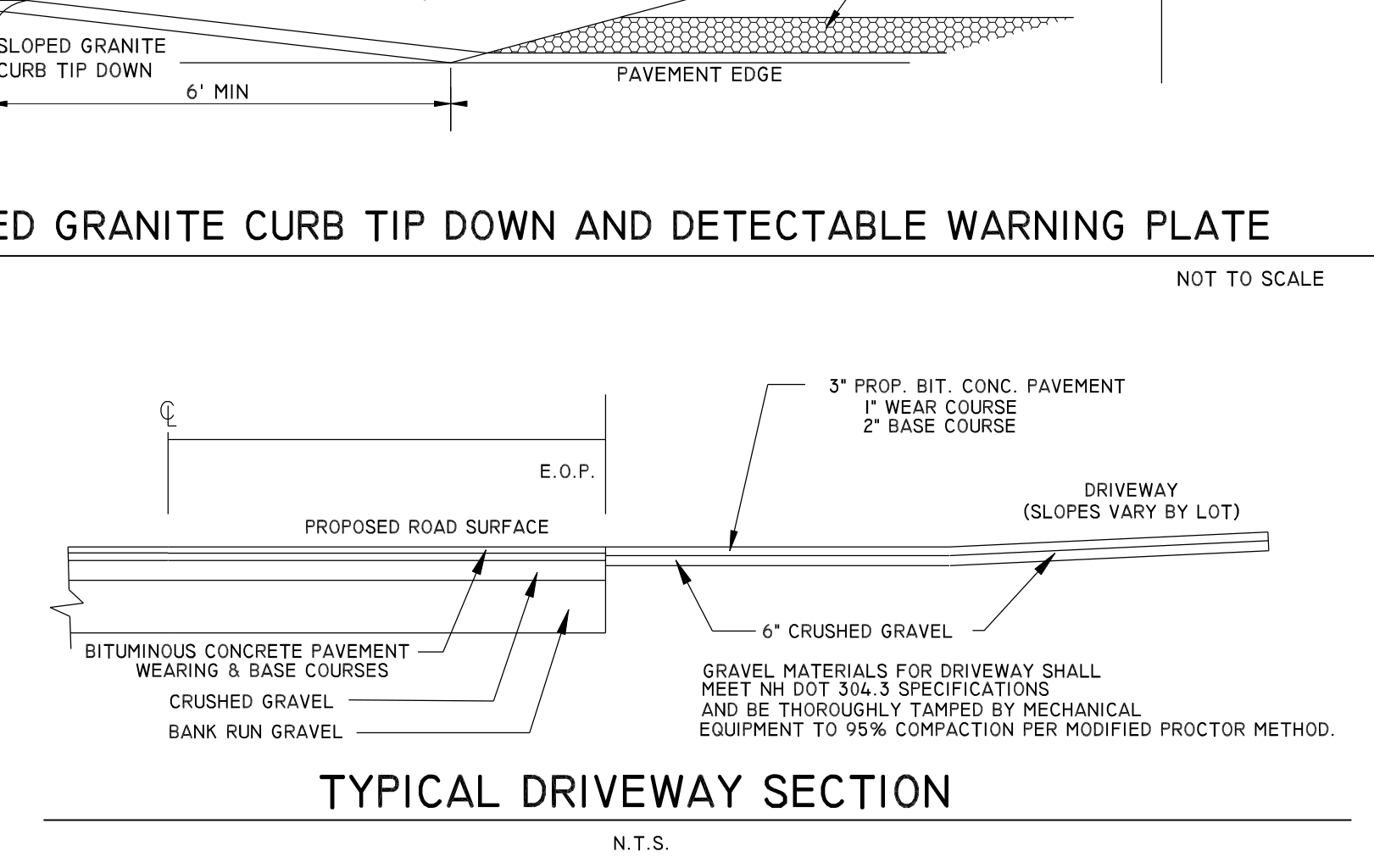
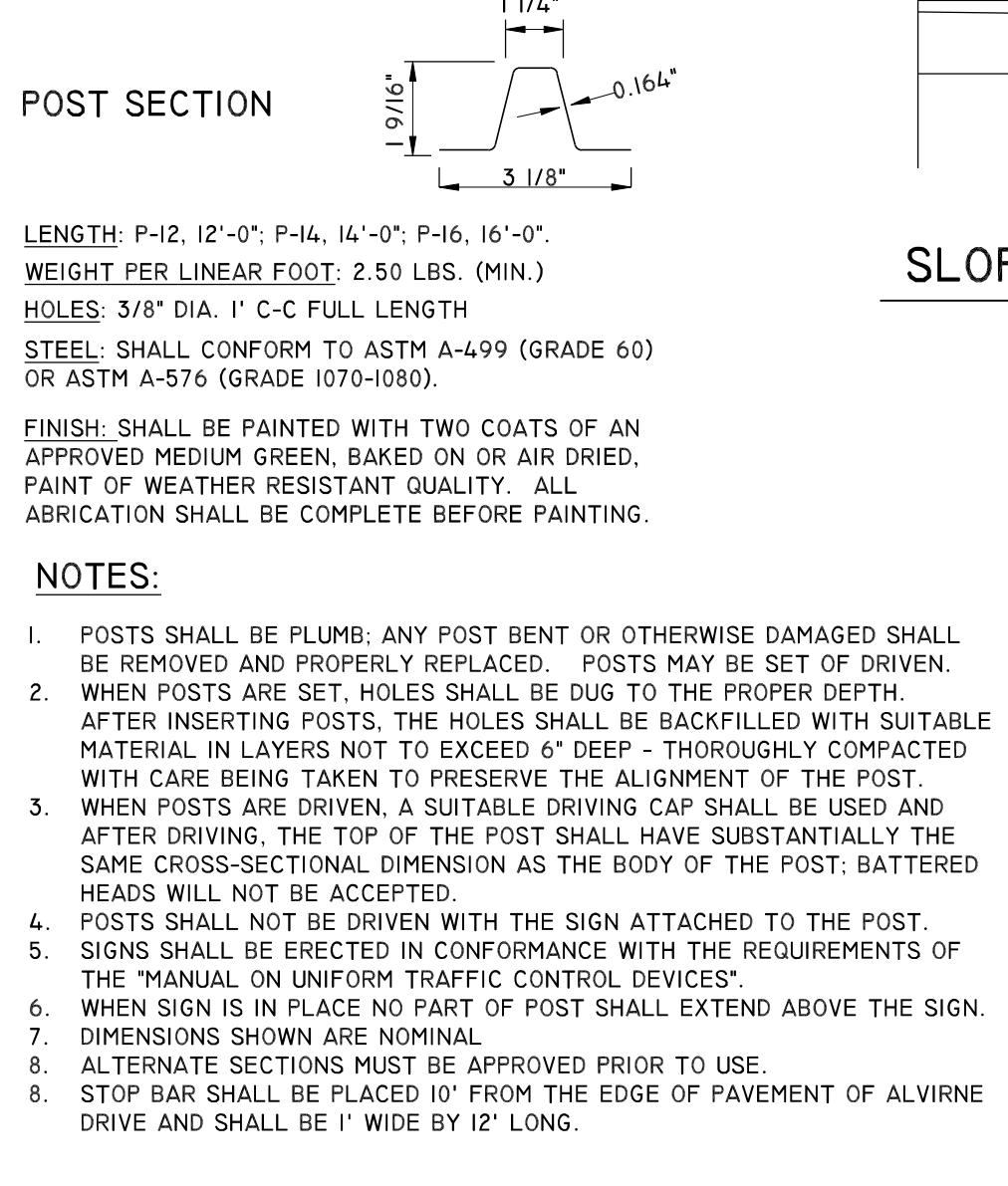
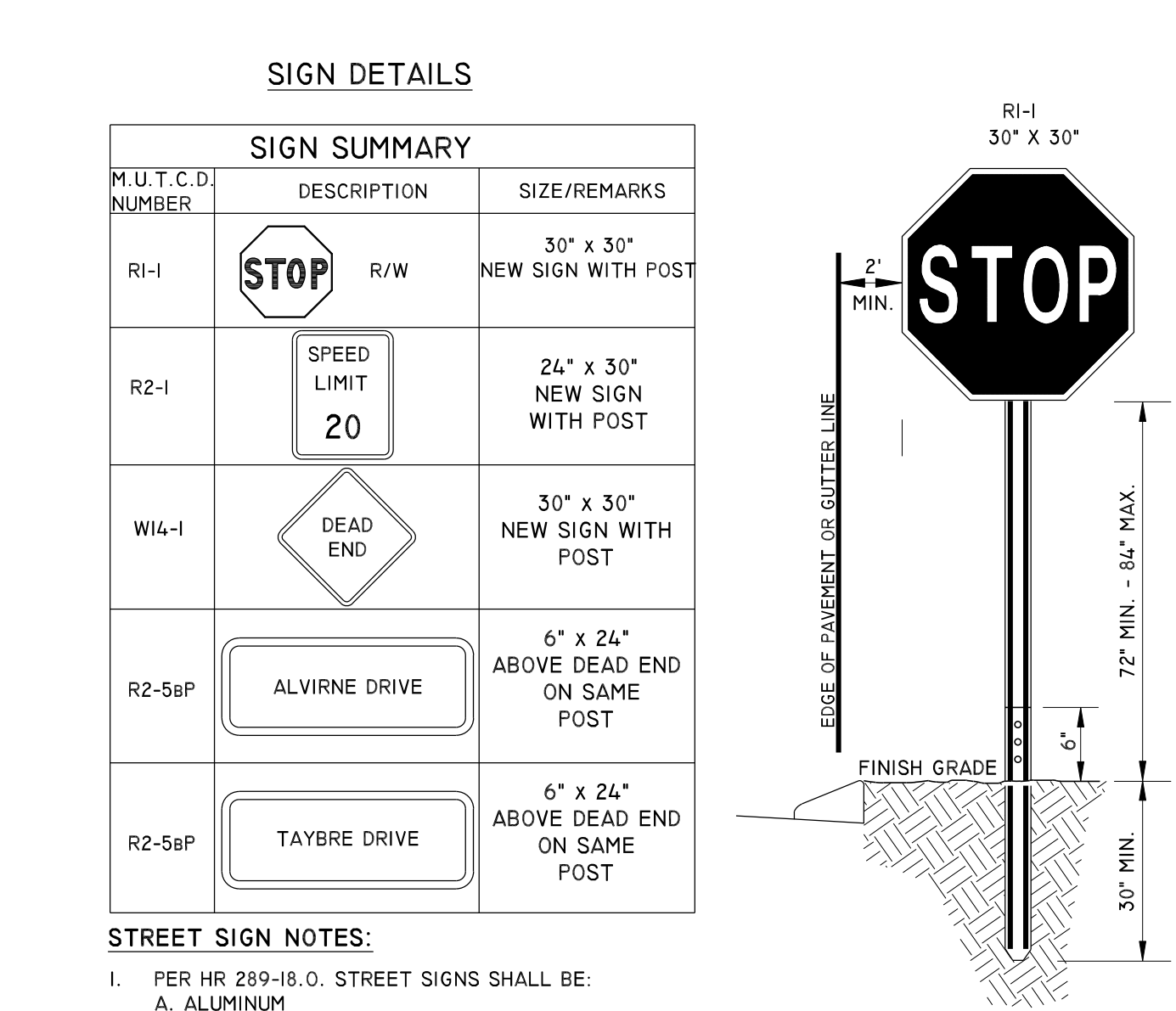
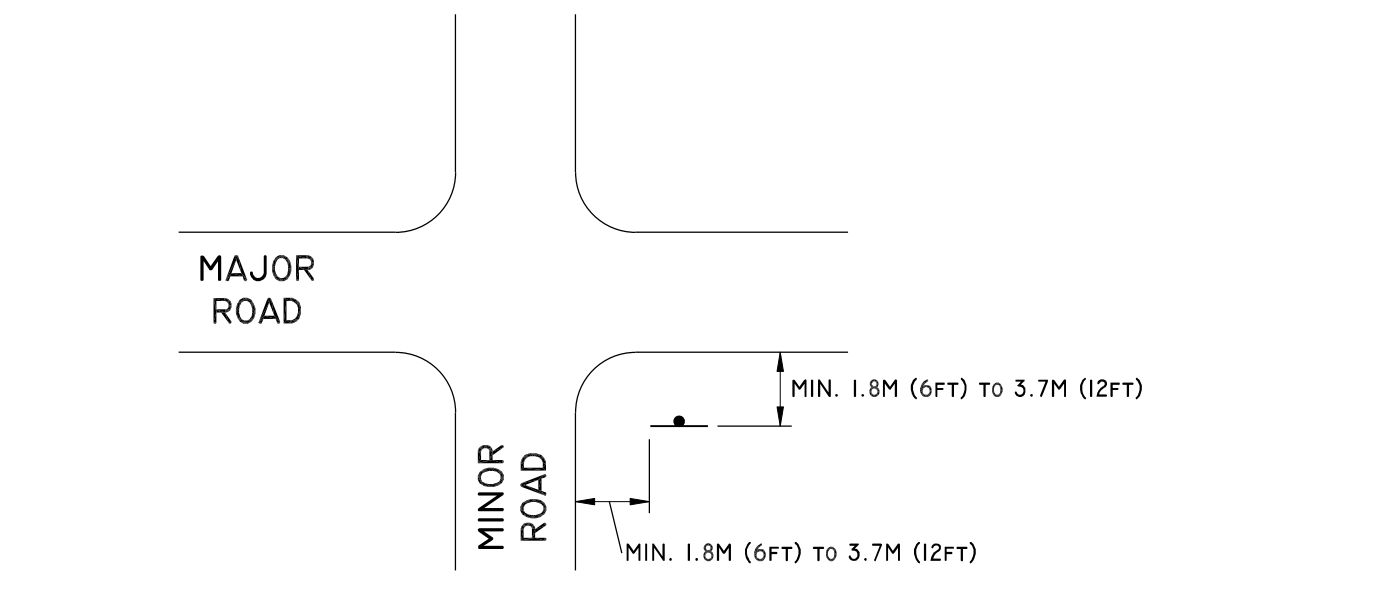
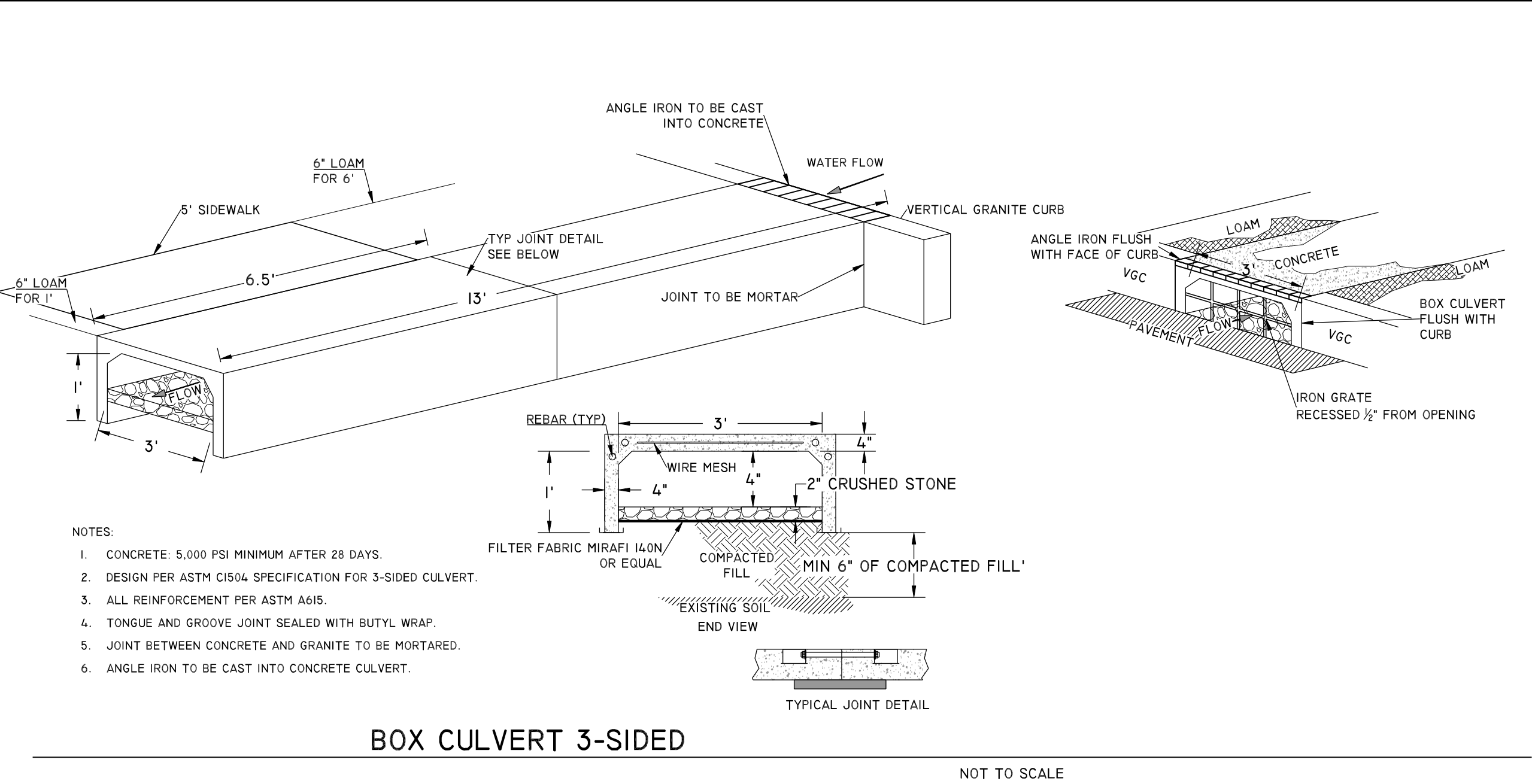
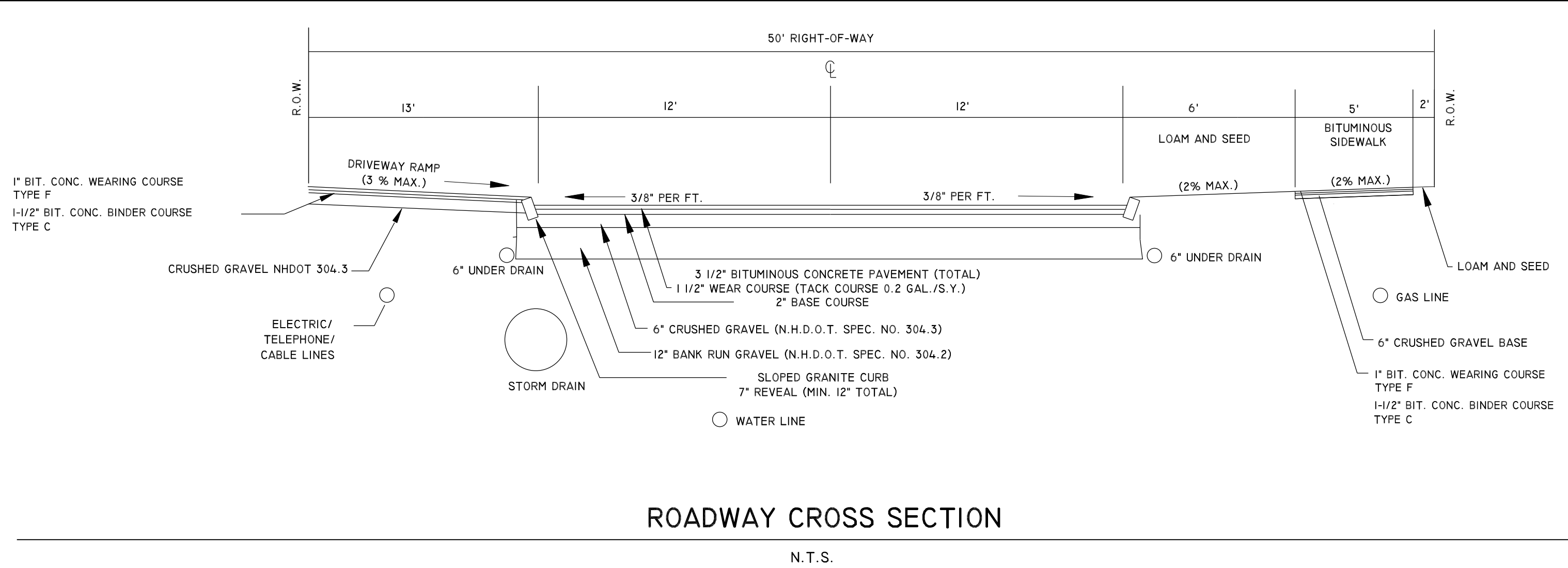
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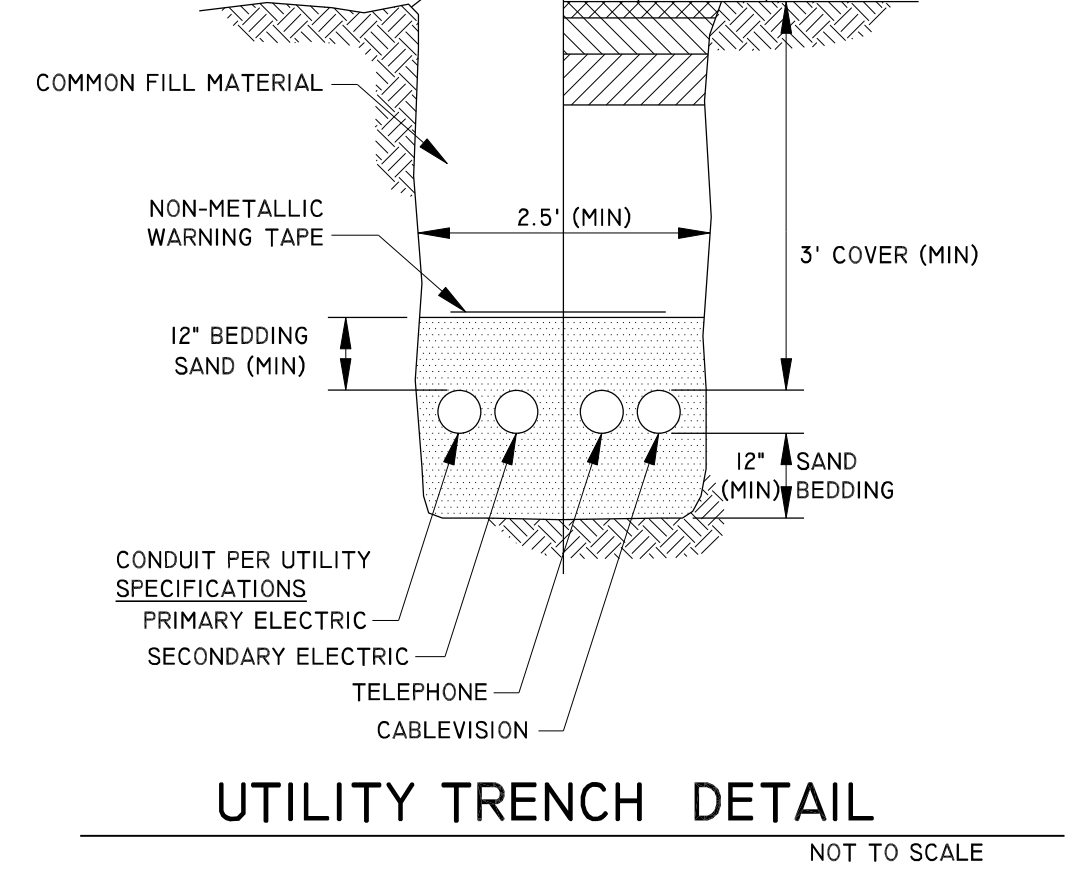
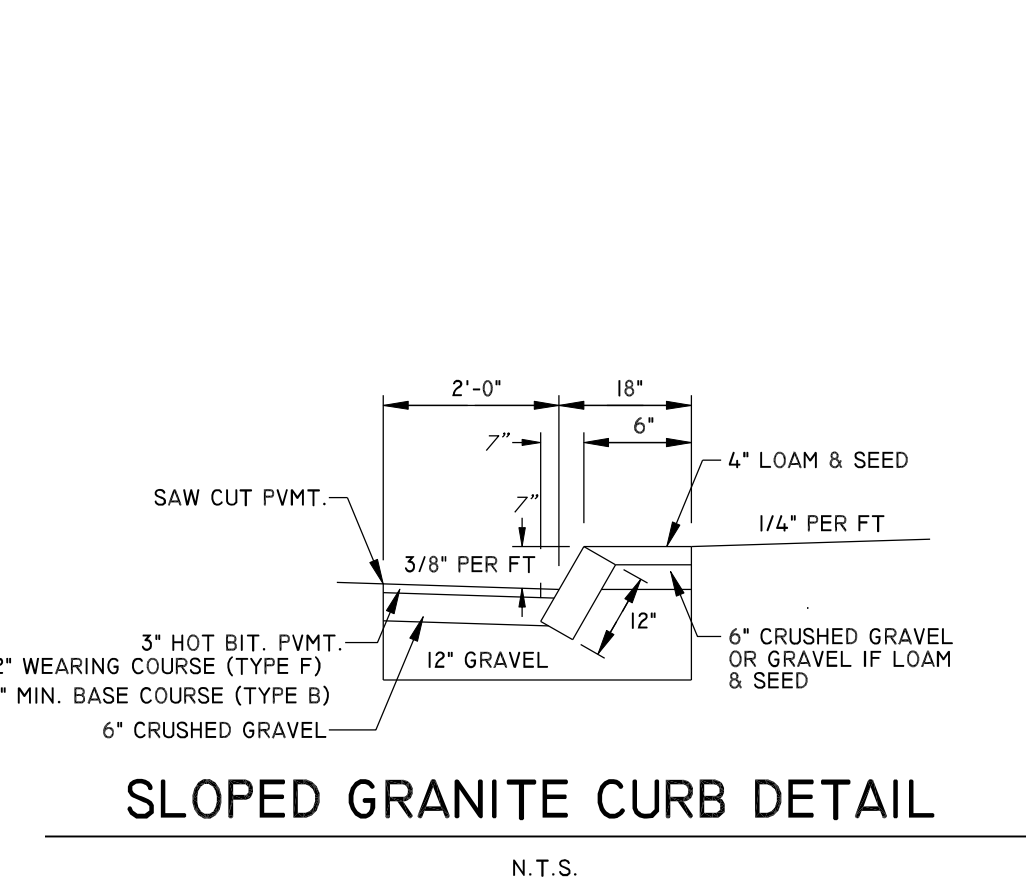
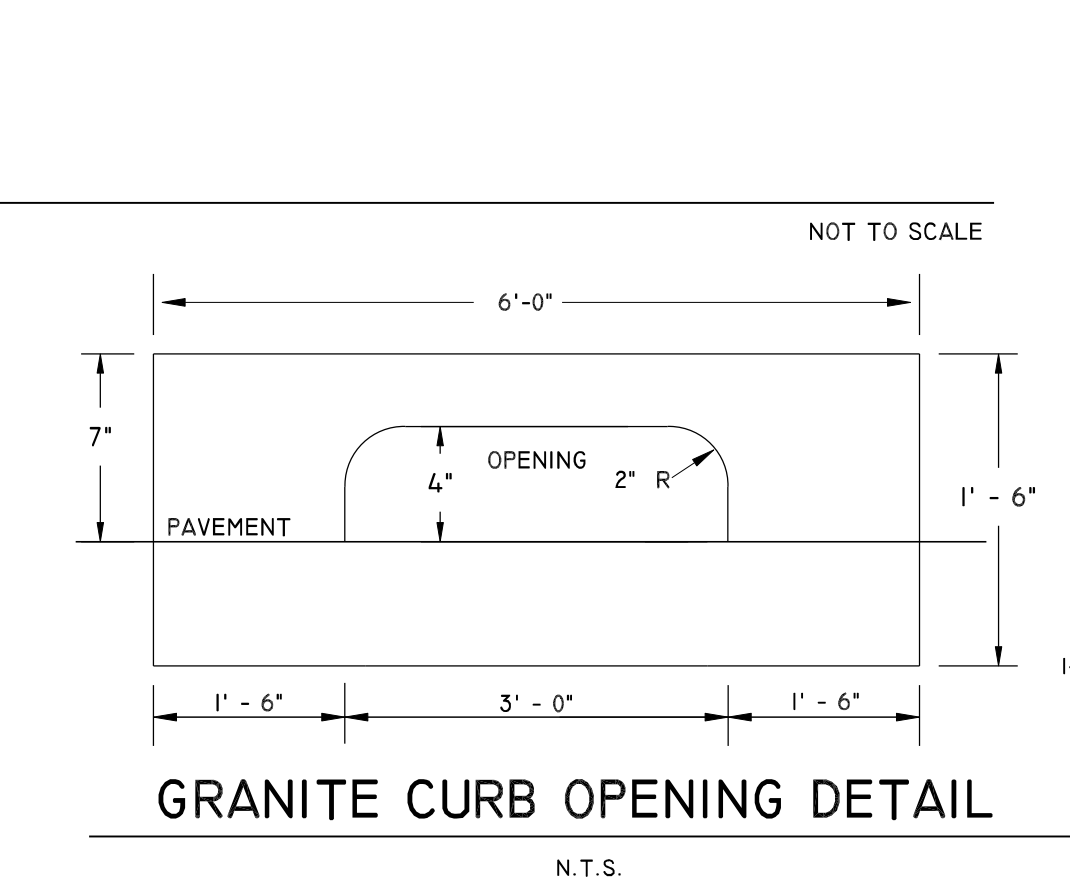
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CONSTRUCTION DETAILS

TAX MAP I38 LOT 82/88

9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. P. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

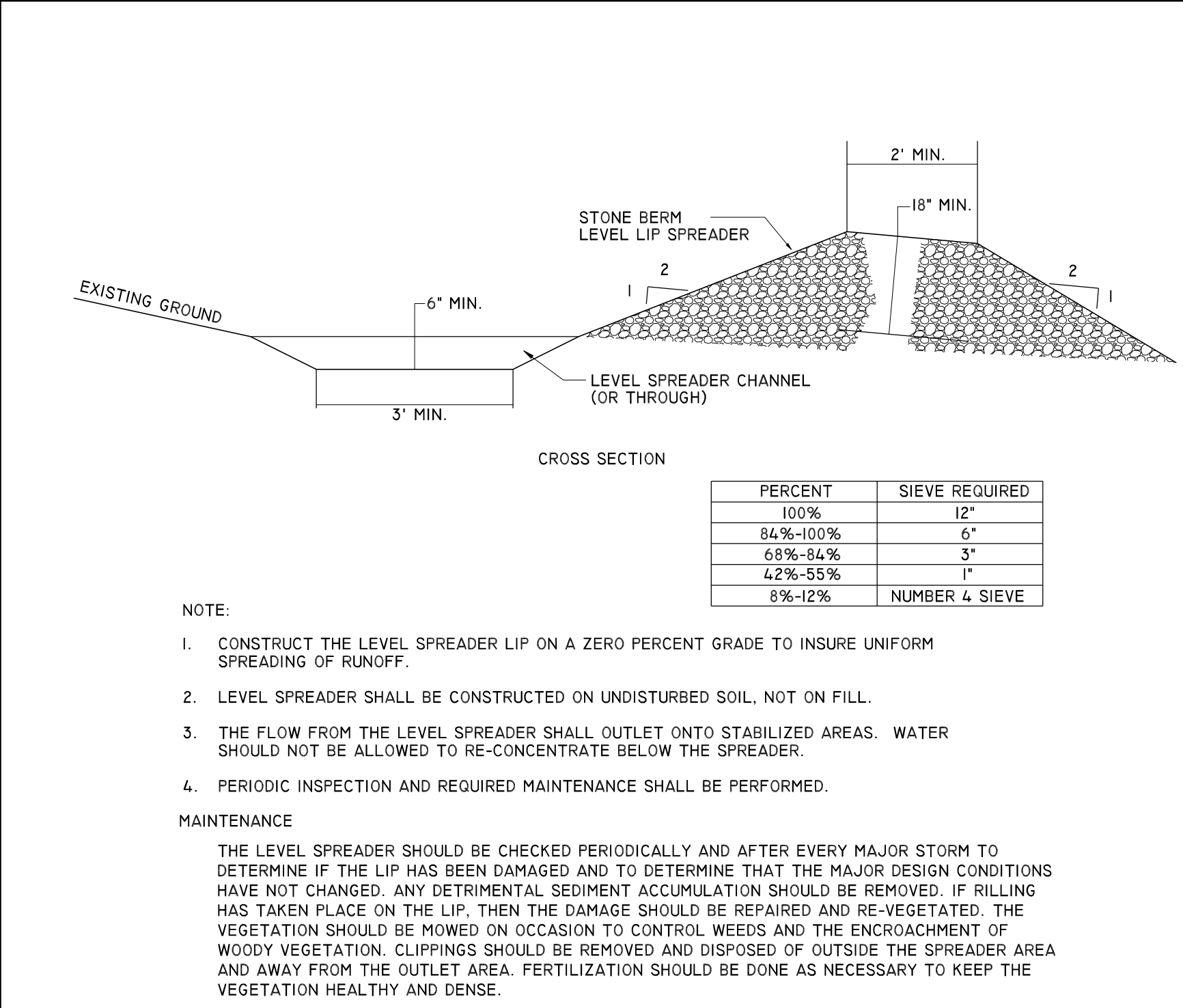
PREPARED BY:
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DRAWN BY:
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WILLIAM HESS, P.E.

NOT TO SCALE

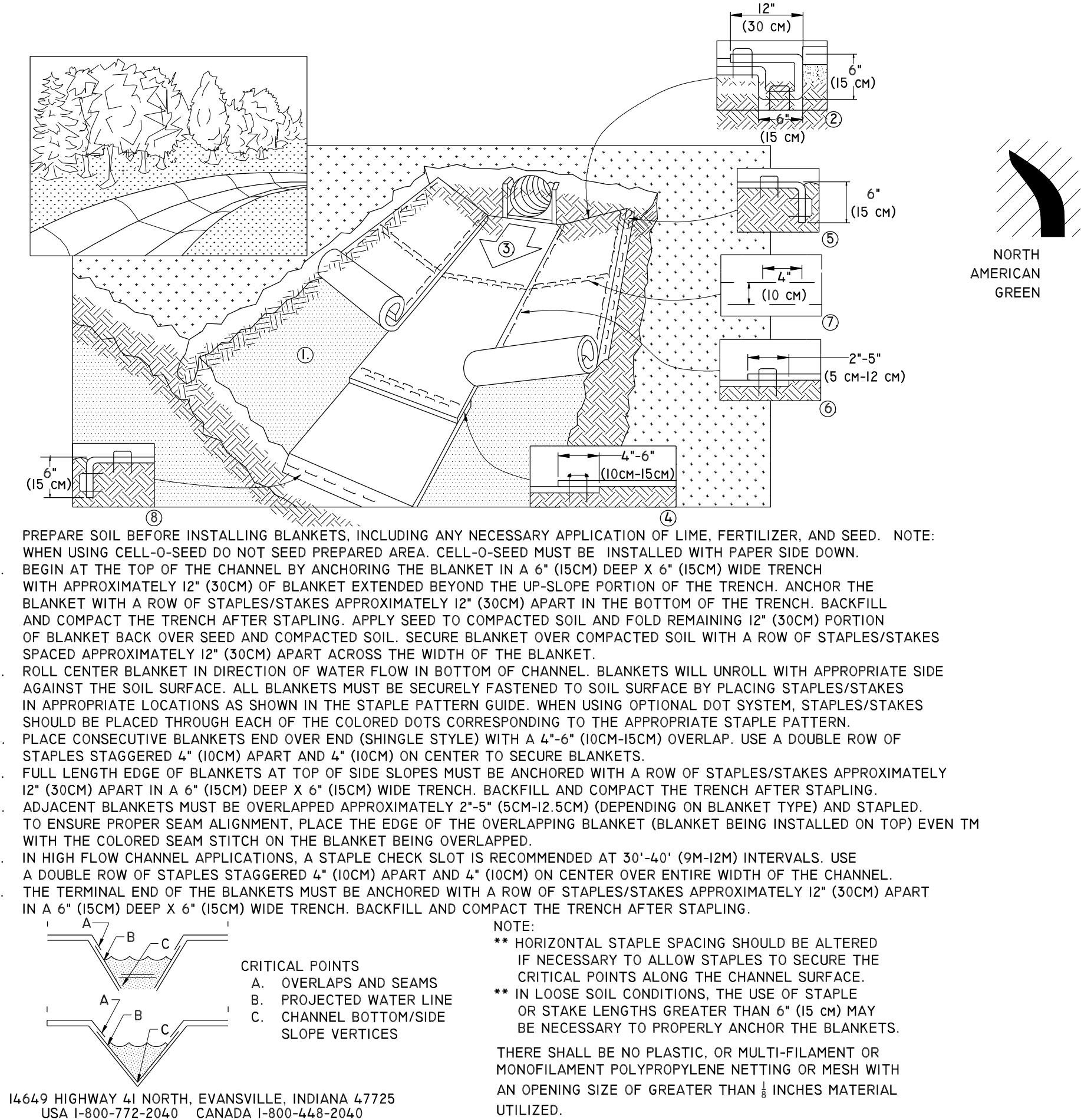
DATE: 4/24/25
JOB NO: 24009

01. 6/09/25 PER TOWN REVISION IAD
03. 8/20/25 PER TOWN ENG DEPT REVISIONS IAD
REV. DATE DESCRIPTION BY



LEVEL SPREADER

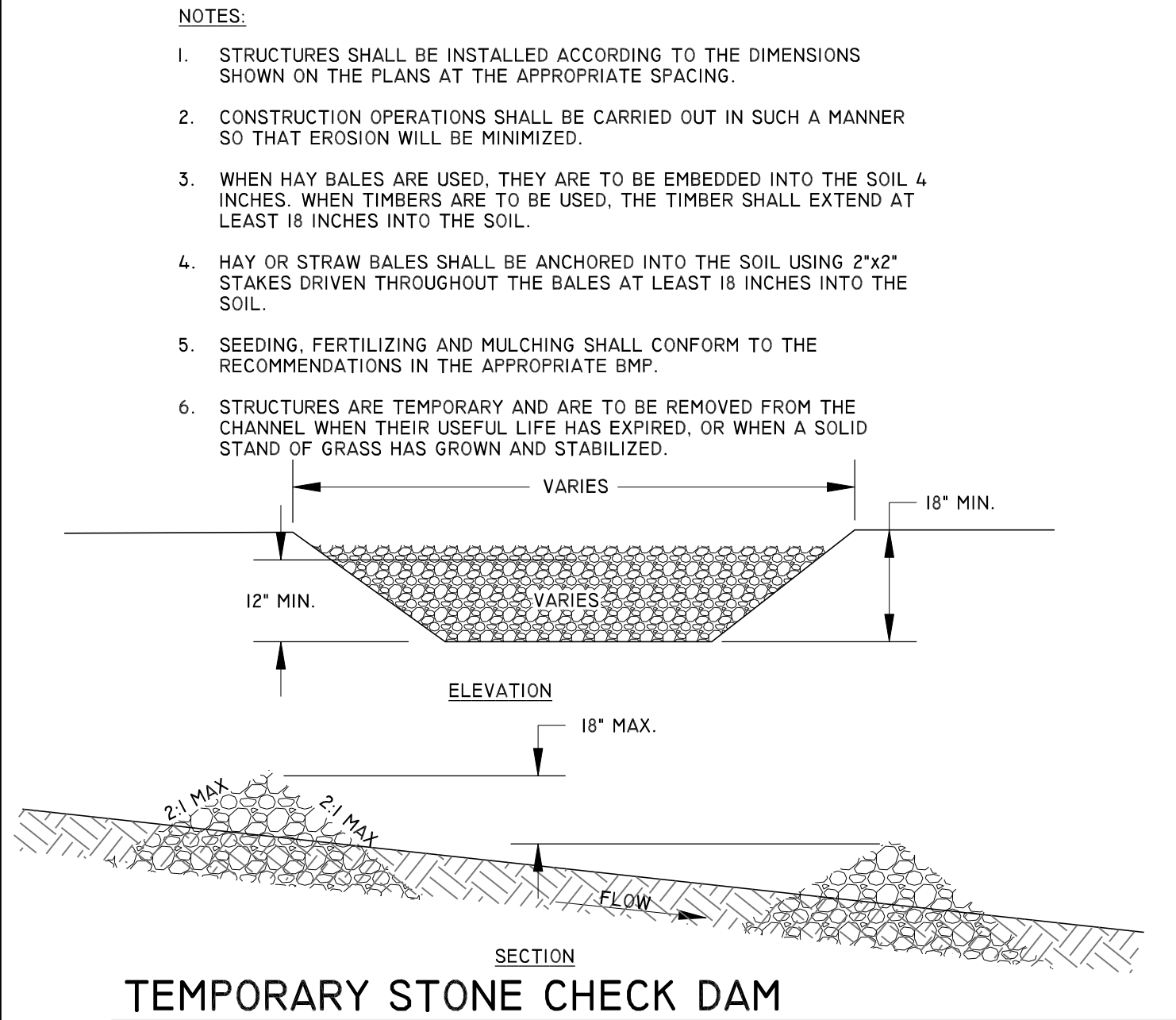
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CHANNEL INSTALLATION

FOR EROSION CONTROL

NOT TO SCALE

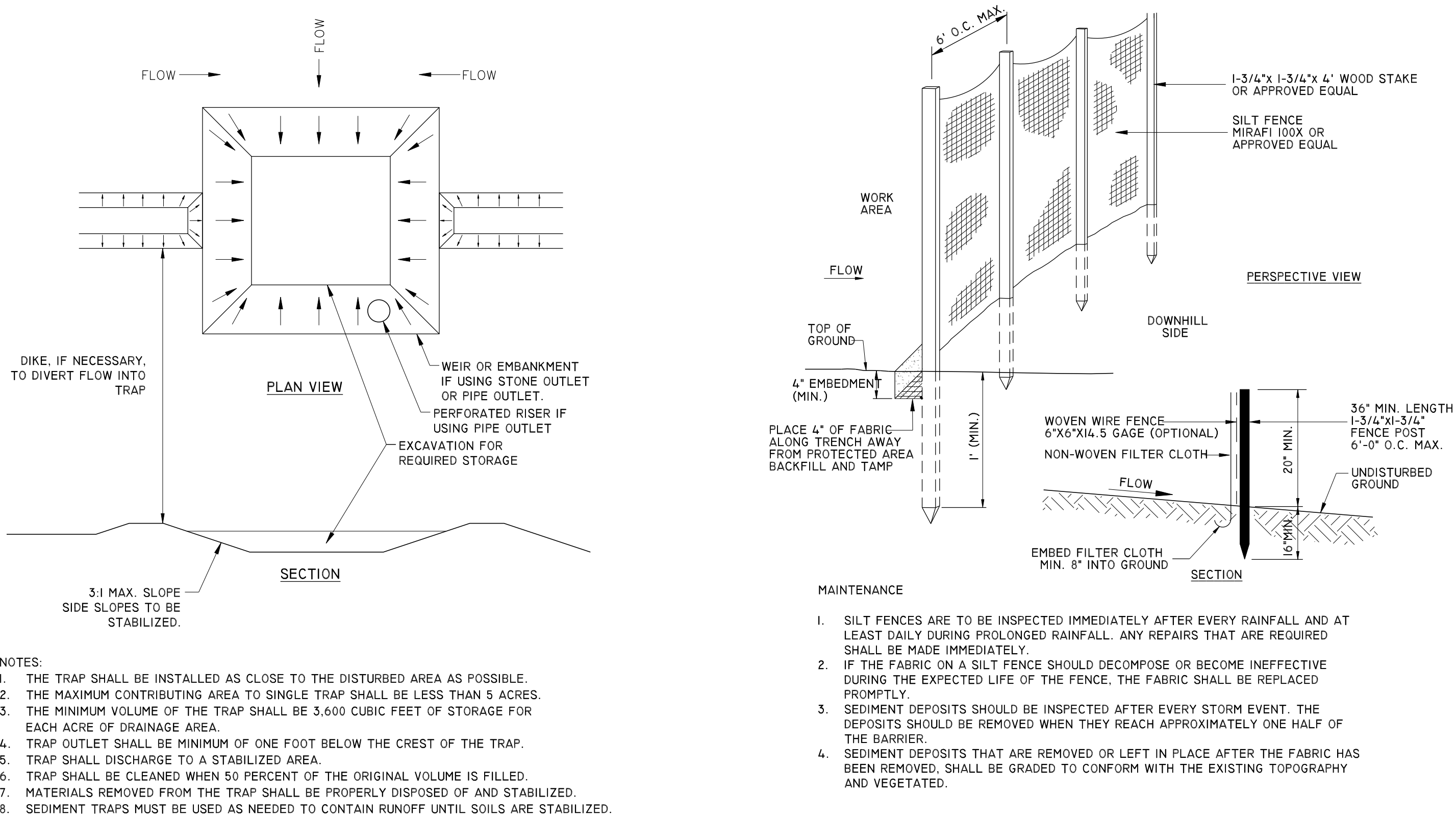


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DATE OF MEETING: _____

CHAIRMAN SIGNATURE DATE: _____

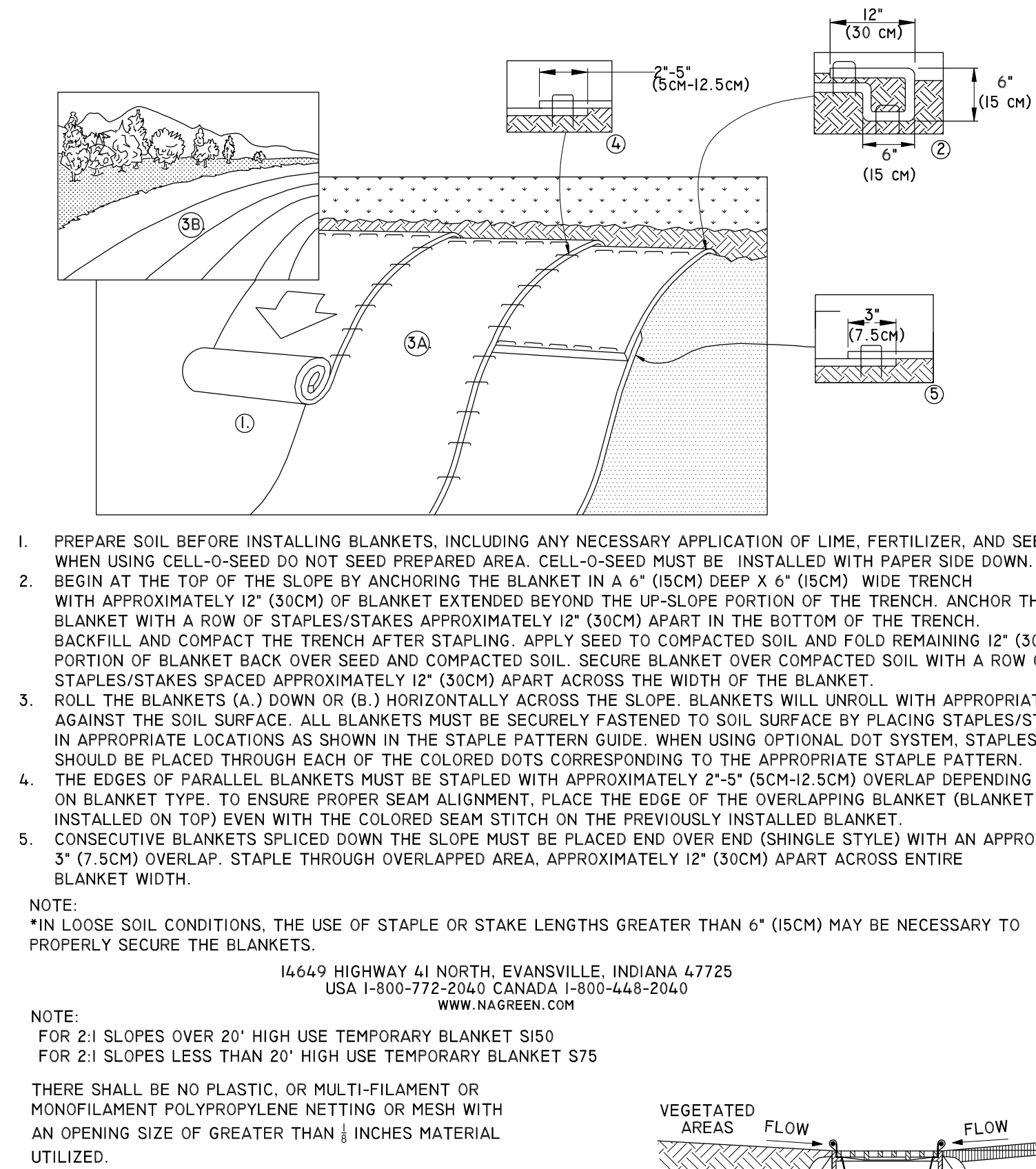
SECRETARY SIGNATURE DATE: _____

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SEDIMENT TRAP DETAIL

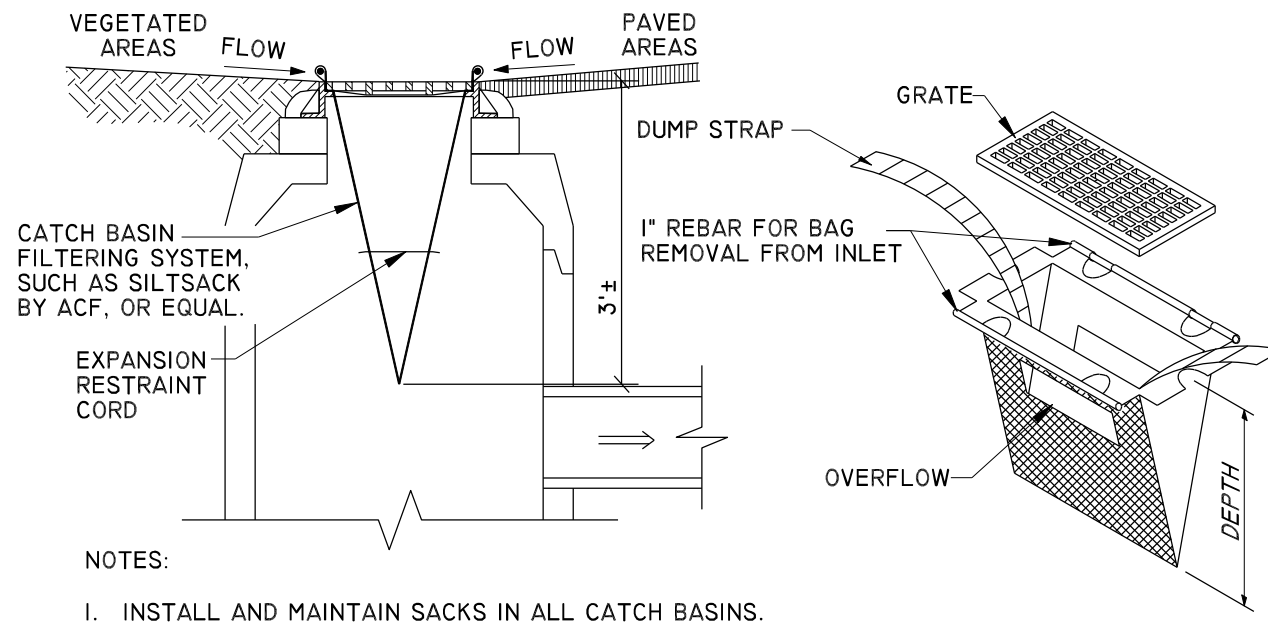
NOT TO SCALE



SLOPE INSTALLATION

FOR EROSION CONTROL

NOT TO SCALE



EROSION CONTROL DETAILS

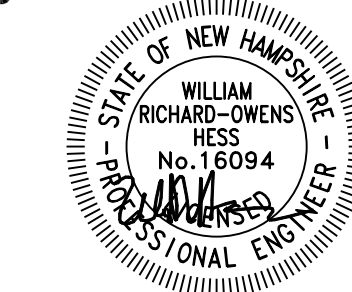
TAX MAP I38 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. P. LACASSE HOMES, LLC
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HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
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DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.



NOT TO SCALE

OL.	6/09/25	PER TOWN REVISIONS	IAD
REV.	DATE	DESCRIPTION	BY

DATE: 4/24/25
JOB NO: 24009

GENERAL NOTES:

1. PROJECT ENGINEER: HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC., PO BOX 991, ASHLAND, NH 03217
PROJECT SURVEYOR: JOHN YULE, LSS SURVEY SERVICES, PO BOX 201, MILFORD, NH 03055
PROJECT WETLAND AND SOILS SCIENTIST: LUKE POWELL, POWELL ASSET MAPPING, GILMANTON IRON WORKS, NH, 03637.
2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
3. IF, DURING CONSTRUCTION IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR, DEVELOPER OR OWNER ARE RESPONSIBLE TO DOCUMENT THE APPARENT DEFICIENCIES AND NOTIFY THE DESIGN ENGINEER PRIOR TO CONTINUING CONSTRUCTION ACTIVITIES. THE DESIGN ENGINEER, IN COOPERATION WITH THE CONTRACTOR, DEVELOPER OR OWNER WILL RESOLVE THE APPARENT DEFICIENCIES TO MEET APPLICABLE TOWN REGULATIONS.
4. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED, THE CONTRACTOR, DEVELOPER OR OWNER SHALL BE REQUIRED TO INSTALL ADDITIONAL EROSION PROTECTION MEASURES.
5. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO VERIFY THE LOCATION OF ALL UTILITIES OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR. (DIG SAFE NUMBER PROVIDED ON SHEET I)
6. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AT ALL TIMES.
7. NO EXCAVATED AREA SHALL BE LEFT UNATTENDED AND SHALL BE THOROUGHLY SECURED ON A DAILY BASIS.
8. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENT AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

CONSTRUCTION SEQUENCE:

1. CUT AND CLEAR TREES WITHIN LIMIT OF WORK (PROPOSED TREELINE), UNLESS OTHERWISE NOTED. ALL BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF, PREFERABLY OFF SITE.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN AND DETAILED IN THIS PLAN SET.
3. CONSTRUCT TEMPORARY (SILT FENCE, SILT-SAKS, SEDIMENT TRAPS, ETC.) AND PERMANENT EROSION CONTROL FACILITIES (DETENTION BASINS, TREATMENT SWALES, GRASS SWALES AND STONE LINED RIP-RAP SWALES) PRIOR TO ANY EARTH MOVING OPERATION.
4. ALL SWALES AND DITCH LINES SHALL BE PROTECTED FROM EROSION. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
5. PONDS AND SWALES SHALL BE INSTALLED EARLY ON IN THE CONSTRUCTION SEQUENCE (BEFORE ROUGH GRADING THE SITE).
6. ALL STORM DRAINAGE SYSTEMS SUCH AS DETENTION/RETENTION BASINS, TREATMENT SWALES AND LEVEL SPREADERS SHALL BE PROTECTED FROM EROSION. ALL STORM DRAINAGE SYSTEMS SHALL BE STABILIZED PRIOR TO DIRECTING FLOW INTO THEM.
7. NO CATCH BASIN FRAME AND GRATE SHALL BE INSTALLED PRIOR TO PAVING (IF APPLICABLE). ALL DRAINAGE STRUCTURES ARE TO BE "PLATED" AND CUT OUT FOLLOWING PAVING OPERATIONS, ONLY IF ALL DOWNSTREAM DRAINAGE ELEMENTS ARE STABLE, INCLUDING, BUT NOT LIMITED TO OUTLET PROTECTION, ALL SLOPE GRADING, VEGETATED OR RIPRAP SWALES, DETENTION BASIN AND TREATMENT SWALES.
8. IF FRAME AND GRATES ARE INSTALLED, SPECIFIC SOIL EROSION MEASURES MUST BE INSTALLED SUCH AS GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER OR BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER.
9. CONSTRUCT TEMPORARY CULVERTS, DIVERSION DITCHES/SWALES OR BERMS AS REQUIRED TO MINIMIZE THE EROSIIVE EFFECTS OF STORMWATER RUNOFF DURING ALL CONSTRUCTION ACTIVITIES. TEMPORARY WATER DIVERSION (SWALES, BASINS, ETC.) MUST BE USED AS NECESSARY UNTIL AREAS STABILIZED.
10. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND DEBRIS SHALL BE PROPERLY DISPOSED OF, PREFERABLY OFF SITE.
11. ALL MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLANDS AREAS. ALL STOCKPILES SHALL BE SEEDED WITH WINTER RYE AND IF NECESSARY, SURROUNDED WITH SILT FENCE, AND/OR STRAW BALES, IN ORDER TO PREVENT OR CONTAIN SOIL EROSION.
12. ALL MATERIAL SUITABLE FOR FILL OR SELECT MATERIAL SHALL BE STOCKPILED IN UPLANDS AREAS. ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE, AND/OR STRAW BALES, IN ORDER TO CONTAIN SOIL EROSION.
13. REMOVE ALL IMPROPER ROADWAY/SITE FOUNDATION MATERIAL WITHIN 18" OF SUBGRADE. REPLACE WITH COMPACTED GRANULAR FILL ACCEPTABLE TO THE STATE/TOWN SPECIFICATIONS. ALL SUITABLE FILL MATERIAL SHALL BE COMPACTED TO AT LEAST 95% OF THE DRY WEIGHT AS DETERMINED BY MODIFIED PROCTOR TESTING (ASTM D-1556) REQUIREMENTS.
14. CONSTRUCT ALL UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO DRAIN, DATA, CABLE AND POWER.
15. ROUGH GRADE ROADWAY/SITE WITHIN LIMIT OF WORK AND COMMENCE CONSTRUCTION OF ROADWAY.
16. ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
17. COMPLETE ROADWAY SLOPE GRADING/EMBANKMENT CONSTRUCTION. ALL SLOPES SHALL BE STABILIZED AND SEEDED IMMEDIATELY AFTER GRADING. THE CONTRACTOR SHALL STABILIZE SLOPES WITH APPROPRIATE SEEDING PROGRAM OR JUTE MAT, WHEREVER SPECIFIED. ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
18. APPLY TOPSOIL TO ROADWAY SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL SCREENED AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM COMPACTED THICKNESS OF 4 INCHES. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMED, SEEDED, AND MULCHED. THE CONTRACTOR SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
19. PERFORM FINAL PAVING OPERATIONS (IF APPLICABLE), INSTALL GUARDRAIL (IF APPLICABLE) AS SHOWN ON THE APPROVED PLANS.
20. MAINTAIN, REPAIR, AND REPLACE TEMPORARY EROSION CONTROL MEASURES AS NECESSARY FOR A MINIMUM PERIOD OF 12 MONTHS FOLLOWING SUBSTANTIAL COMPLETION.
21. AFTER STABILIZATION (12 MONTHLY FOLLOWING SUBSTANTIAL COMPLETION), REMOVE AND PROPERLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES, PREFERABLY OFF SITE.
22. FOLLOWING SUBSTANTIAL COMPLETION OF ALL ROADWAY ACTIVITIES AND ONCE STABLE CONDITIONS ARE ACHIEVED, CAREFULLY AND REGULARLY MONITOR CONSTRUCTION ACTIVITIES ON ALL 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.
23. LOT DISTURBANCE OTHER THAN 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.

WINTER CONSTRUCTION NOTES

- A. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
- B. 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 TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- C. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF BASE COURSE GRAVELS PER NHDOT ITEM 304.1, 304.2, OR 304.3

SEEDING SPECIFICATIONS

- | MIXTURE | POUNDS/ACRE | POUNDS/1,000 SF |
|---------------------|-------------|-----------------|
| TALL FESCUE | 20 | 0.45 |
| CREEPING-RED FESCUE | 20 | 0.45 |
| REDTOP | 8 | 0.20 |
| TOTAL | 48 | 1.10 |
1. SEEDED PREPARATION

A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.

B. STONES LARGER THAN FOUR INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT FOUR INCHES TO PREPARE A SEEDED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
2. ESTABLISHING A STAND

A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED.

- AGRICULTURAL LIMESTONE: 2 TONS PER ACRE OR 0.09 LBS. PER SQ. FT.
- NITROGEN (N): 50 LBS. PER ACRE OR 1.1 LBS. PER 1000 SQ. FT.
- PHOSPHATE (P₂O₅): 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
- POTASH (K₂O): 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
(NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10)

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH 0.25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.

C. REFER TO TABLE 7-35 OF "STORMWATER MANAGEMENT AND SEDIMENTATION CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE", FOR APPROPRIATE SEED MIXTURES AND TABLE 7-36 FOR RATES OF SEEDING. ALL LEGUMES (CROWNVETCH, BIRDSFOOT TREFOIL, AND FLATPEA), MUST BE INOCULATED WITH THEIR SPECIFIC INNOCULANT.

D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

3. MULCH

A. STRAW, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.

B. MULCH WILL BE HELD IN PLACE USING TECHNIQUES FROM THE "BEST MANAGEMENT PRACTICE FOR MULCHING", AS SHOWN IN, "STORMWATER MANAGEMENT AND SEDIMENTATION CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE".

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

4. MAINTENANCE TO ESTABLISH A STAND

A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.

B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.

C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.
- TEMPORARY SEEDING RATES:
- FOR FALL SEEDING (SEED FROM AUGUST 15 - SEPTEMBER 5 FOR BEST COVER):
WINTER RYE: 2.5 LBS PER 1,000 SF SEED TO A DEPTH OF 1 INCH

• FOR SPRING SEEDING (SEED NO LATER THAN MAY 15 FOR SUMMER PROTECTION)
OATS: 2 LBS PER 1,000 SF (SEED TO A DEPTH OF 1 INCH)

• ALTERNATIVE:
PERENNIAL RYEGRASS: 0.7 LBS PER 1,000 SF (SEED BETWEEN APRIL 1 AND JUNE 1 AND/OR BETWEEN AUGUST 15 AND SEPTEMBER 15)
MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON (SEED TO A DEPTH OF 0.5 INCHES)

• 10-10-10 FERTILIZER SHOULD BE UNIFORMLY SPREAD OVER AREA PRIOR TO BE INCORPORATED INTO THE SOIL AT A MINIMUM OF 7 LBS PER 1,000 SF

• TOP SOIL: 4" MINIMUM APPROVED TOPSOIL
STRAW MULCH - 2 BALES PER 1,000 SF (APPLY BINDER OF NETTING AS NEEDED)
- NOTES:
1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE A MINIMUM OF 3 INCH CRUSHED STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.

2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL BE NOT LESS THAN 75 FEET, EXCEPT WHEN A 3 INCH TO 6 INCH HIGH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE. THE OPTIONAL MOUNTABLE BERM SHALL REDUCE THE REQUIRED LENGTH FROM 75 FEET TO 50 FEET.

3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.

4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER 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 RESIDENTIAL LOT.

6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.

7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND 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.
-
- STABILIZED CONSTRUCTION ENTRANCE
- FOR EROSION CONTROL
- NOT TO SCALE
- EPA: NPDES GENERAL NOTES
1. THE PROPOSED LAND DISTURBANCE IS APPROXIMATELY 355,077 SF., THEREFORE, ACCORDING TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II CONSTRUCTION GENERAL PERMIT (CGP) SECTION I.I, THIS PROJECT IS REQUIRED TO COMPLY WITH THE REGULATORY CRITERIA AND INTENT OF THE NPDES PHASE II PROGRAM, LATEST EDITION.

2. THE OWNER AND CONTRACTOR ARE REQUIRED TO PREPARE, MAINTAIN AND HAVE ON FILE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

3. THE OWNER AND CONTRACTOR ARE REQUIRED TO PREPARE, SUBMIT, POST ON SITE AND HAVE ON FILE A NOTICE OF INTENT (NOI). CONSTRUCTION MAY NOT COMMENCE UNTIL 14 DAYS AFTER EPA HAS REVIEWED/APPROVED THE PROJECT NOI, WHICH GRANTS COVERAGE UNDER THE CGP (NHRI00000).

4. THE CONTRACTOR/OWNER IS RESPONSIBLE TO POST THE NOI ON SITE IN A HIGHLY VISIBLE POSITION, PROTECTED FROM THE WEATHER.

5. THE OWNER AND CONTRACTOR ARE REQUIRED TO INSTALL, INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS DESCRIBED ON THE APPROVED PLANS AND SWPPP INCLUDING INSPECTION LOGS.

6. THE OWNER OR CONTRACTOR MAY CONTACT THE NORTHEAST EPA REGIONAL COORDINATOR FOR RESOLUTION TO ANY NPDES, CGP, SWPPP, NOI OR NOTE QUESTIONS, CONCERNS OR CLARIFICATION:
EPA REGIONAL REPRESENTATIVE: MS. THELMA MURPHY (OR CURRENT REPRESENTATIVE)
US EPA, REGION 01/OFFICE OF ECOSYSTEM PROTECTION
1 CONGRESS STREET, SUITE 1100
BOSTON, MA 02114-2023
PHONE: (617) 918-1615

7. THE PROPOSED PROJECT WILL REQUIRE STATE (NHDES) ALTERATION OF TERRAIN PERMIT, SINCE THE ANTICIPATED LAND DISTURBANCE IS MORE THAN 100,000 SF, ACCORDING TO ENV-WS 415.

8. THE PROPOSED PROJECT WILL REQUIRE A STATE (NHDES) DREDGE AND FILL PERMIT, SINCE THE PROJECT HAS WETLAND DISTURBANCES, ACCORDING TO WT 302.04.
- EROSION CONTROL NOTES
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (EPA, NHDES AND TOWN REGULATIONS). THE GENERAL NOTES AND DETAILS CONTAINED IN THIS PLAN SERVE AS A GUIDE ONLY.
1. PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS. INSTALLATION OF STRAWBALE BARRIERS AND SILTATION FENCES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY SPECIFIC AREA. PREFABRICATED SILTATION FENCES AND STRAWBALE BARRIERS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.

3. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. ALL ROADWAYS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE. CUT AND FILL SLOPES SHALL BE LOAMED & SEEDED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE. TEMPORARY AND/OR PERMANENT STABILIZATION SHALL BE INSTALLED WITHIN 45 DAYS OF INITIAL CONSTRUCTION.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED
C. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED, OR
D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED

TIME LIMIT: ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

4. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM INSTALLED WITH NOT LESS THAN 1.1 POUNDS OF SEED MIX PER 1,000 SQ. FT. SEE SEEDING SPECIFICATIONS ON THIS SHEET.

5. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO OR AT THE TIME OF SEEDING. A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS. PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. SEEDING PRACTICES SHALL COMPLY WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.

6. STRAW MULCH OR JUTE MATTING SHALL BE USED IF/WHERE INDICATED ON THE PLANS. A MINIMUM OF 1.5 TONS OF MULCH PER ACRE SHALL BE APPLIED. MULCH SHALL BE ANCHORED IN PLACE WHERE NECESSARY. JUTE MATTING SHALL BE LAID IN THE DIRECTION OF RUNOFF FLOW FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

7. 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 EARLY OCTOBER. WHEN SEEDED AREAS AREA NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS.

8. TO CONTROL DUST DURING CONSTRUCTION, WATER DISTRIBUTION SHALL BE USED.

9. LIMIT THE LENGTH OF EXPOSURE OF UNSTABILIZED SOIL TO 45 DAYS OR LESS.

10. EROSION CONTROL PRACTICES ARE TO BE INSPECTED WEEKLY AND AFTER 0.5" OF RAINFALL.

11. TEMPORARY WATER DIVERSION (SEDIMENT BASINS, SWALES, ETC.) MUST BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL SOILS ARE STABILIZED.

EROSION CONTROL NOTES

TAX MAP I38 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCOTIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC

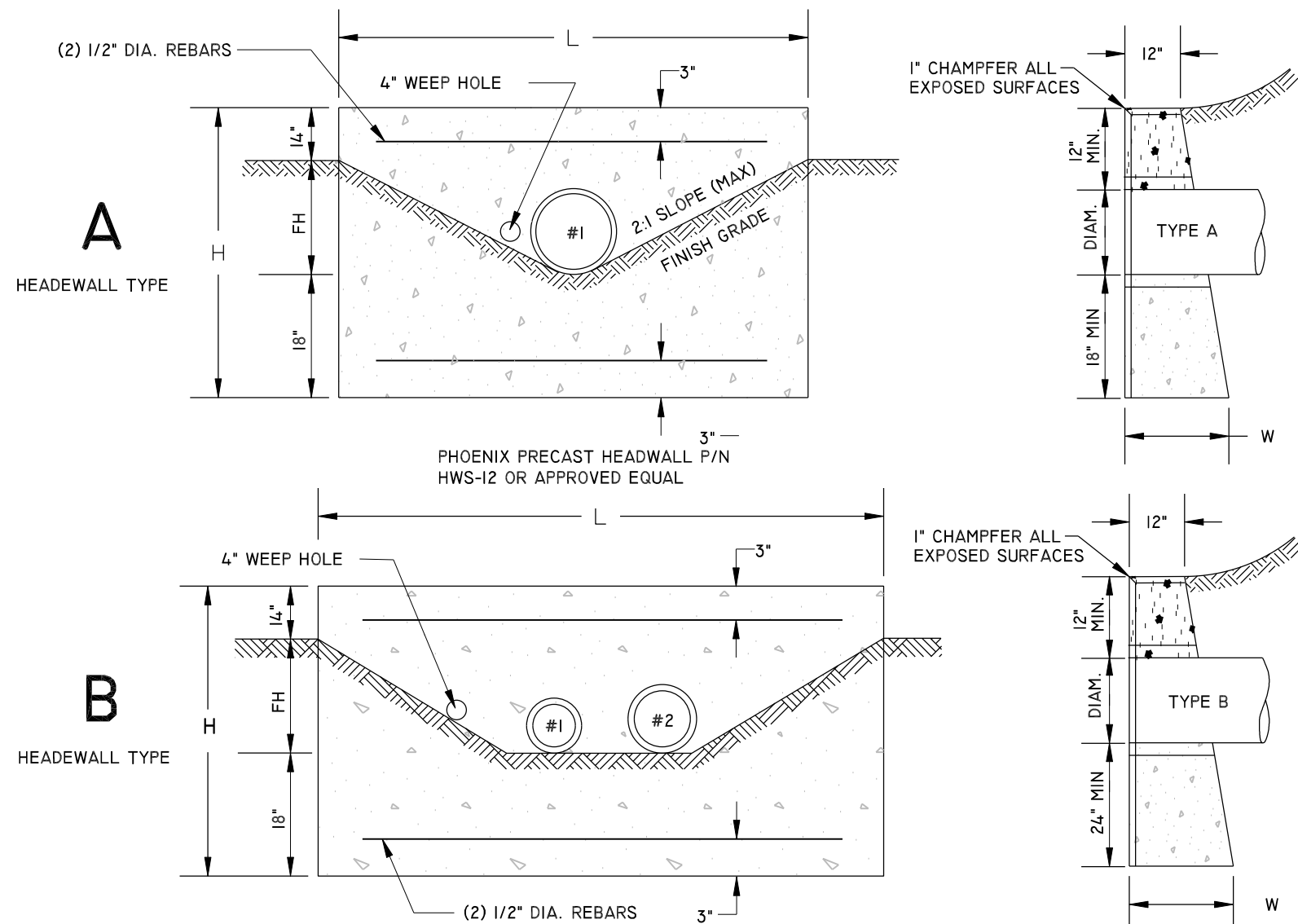
63 WEST STREET - P.O. BOX 991
ASHLAND, NH 03217
TEL: (603) 968-5664
WWW.HESSENGINEERINGLLC.COM

DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.

DATE: 4/24/25
JOB NO: 24009

02.	7/02/25	PER NHDES AOT REVISIONS	IAD
REV.	DATE	DESCRIPTION	BY

D-3
18 of 22



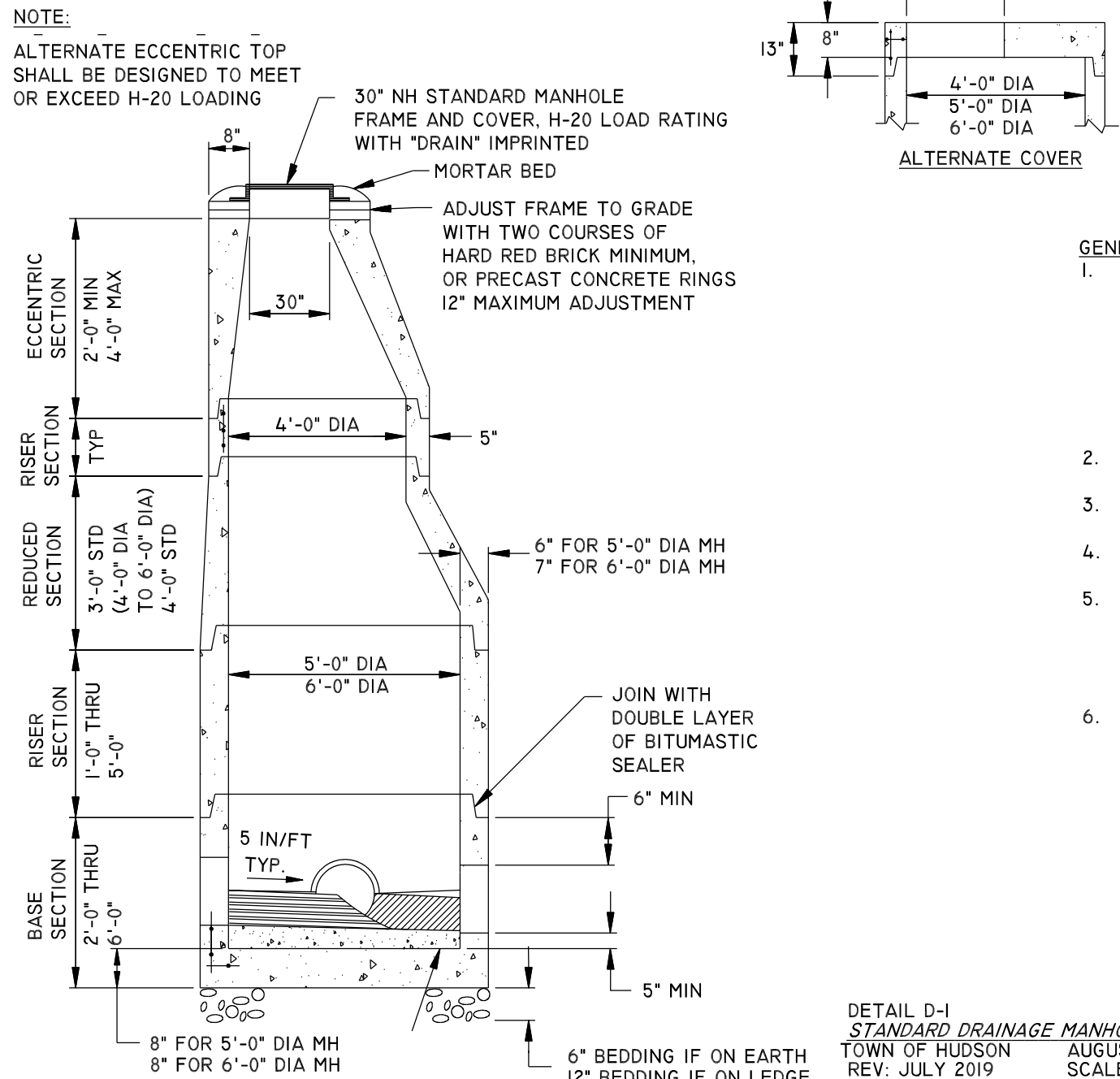
PIPE DIAMETER	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"
NUMBER	4	4	4	4	4	4	4	4	4	4
LENGTH OF BARS	3'-0"	3'-0"	3'-0"	3'-0"	4'-0"	4'-0"	5'-0"	5'-0"	6'-0"	6'-0"

PIPE DIAMETER	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"
CONCRETE QUANTITY (YDS)	1.0	1.3	1.8	2.7	3.5	4.9	6.4	8.0	10.0	12.3

CONCRETE HEADWALL

SINGLE & DOUBLE PIPESYSTEM

NOT TO SCALE



STANDARD DRAINAGE MANHOLE

NOT TO SCALE

NOTES:

- FOR DESCRIPTIONS, MATERIALS, AND CONSTRUCTION METHODS, SEE LATEST NHDOT SPECIFICATIONS.
- ALL CONCRETE DIMENSIONS SHOWN ARE MINIMUM.

HEADWALL TYPE	HW#1	HW#2	HW#3	HW#4	HW#5
DRAIN PIPE #1 DIAMETER	12"	12"	12"	12"	12"
DRAIN PIPE #2 DIAMETER	-	24"	-	-	-
INV. IN ELEV. (BOTH PIPES)	156.6	155.3	157.2	156.35	155.4
LENGTH (L)	6'	6'	6'	6'	6'
HEIGHT (H)	5'	5'	5'	5'	5'
BOTTOM WIDTH (W)	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"

ALL STEEL SHALL BE #4 BARS, MEETING NHDOT REQUIREMENTS

GENERAL NOTES FOR MH'S AND CB'S

- REINFORCING STEEL SHALL CONFORM TO THE LATEST ASTM A185 SPECIFICATIONS:

SECTION SIZE	STEEL REQUIREMENT
4'-0" DIA	0.12 SQ. IN./L.F.
5'-0" DIA	0.15 SQ. IN./L.F.
6'-0" DIA	0.18 SQ. IN./L.F.
8'-0" DIA	0.24 SQ. IN./L.F.

- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI MIN
- DESIGN SPECIFICATIONS SHALL CONFORM TO ASTM C478 LATEST ED.
- BASE SECTIONS SHALL BE POURED MONOLITHICALLY.

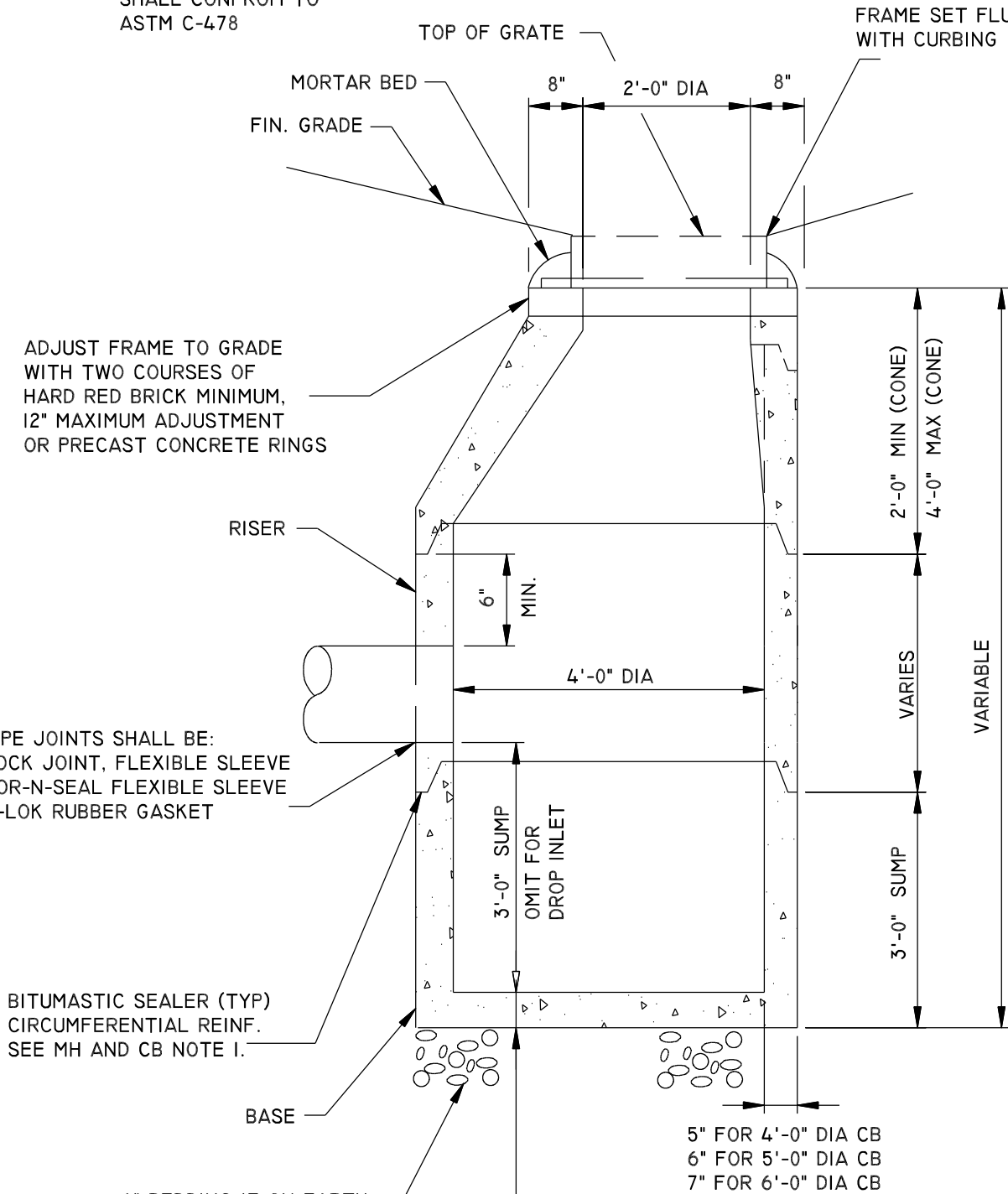
- PIPE JOINTS SHALL BE:
LOCK JOINT, FLEXIBLE SLEEVE
KOR-N-SEAL FLEXIBLE SLEEVE
A-LOK RUBBER GASKET
- A FLEXIBLE JOINT SHALL BE PROVIDED WITHIN THE FOLLOWING DISTANCES:

PIPE TYPE	PIPE SIZE	DISTANCE
RCP & CI	ALL SIZES	4'-0"
DI	ALL SIZES	NONE REQUIRED

UNDER SEVERE CONDITIONS WHEN DIFFERENTIAL SETTING CAN NOT BE CONTROLLED WITHIN NORMAL LIMITS, VARIATIONS IN THE STUB LENGTH MAY BE NECESSARY.

DETAIL D-1
STANDARD DRAINAGE MANHOLE
TOWN OF HUDSON
REV. JULY 2019

PRECAST SECTIONS SHALL CONFORM TO ASTM C-478



DETAIL D-2
PRECAST REINFORCED CATCH BASIN
TOWN OF HUDSON
REV. AUGUST 2011

PRECAST REINFORCED CATCH BASIN

NOT TO SCALE

GENERAL NOTES

- ALL IN-PAVEMENT MANHOLES (IF ANY) SHALL HAVE RIMS SET TO FINISH GRADE REGARDLESS OF ANY ELEVATIONS SHOWN.
- WHERE DEPTH OF COVER IS LESS THAN 3 FEET CLASS V REINFORCED CONCRETE PIPE SHALL BE USED.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL ARRANGE WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
- ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
- EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES STANDARDS. THESE DETAILS SERVE AS A GUIDE ONLY.
- REFER TO THE TOWN STANDARD DETAILS, LATEST REVISION, FOR ADDITIONAL INFORMATION AND CRITERIA.
- ALL DEMOLITION DEBRIS, INCLUDING STUMPS, TIMBER AND ALL BUILDING DEMOLITION SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- ALL DRAINAGE PIPE SHALL BE RCP (REINFORCED CONCRETE PIPE) UNLESS NOTED OTHERWISE.

CONSTRUCTION SPECIFICATIONS:

PREPARE BEDDING:

BACKFILL MATERIAL AROUND THE END SECTION MAY BE THE SAME AS THE MATERIAL AROUND THE PIPE. PLACE A FEW INCHES OF BACKFILL MATERIAL IN THE TRENCH OR DITCH WHERE THE END SECTION WILL BE PLACED. COMPACT AND CONTOUR THIS BEDDING MATERIAL TO GENERALLY MATCH THE END SECTION. EXCAVATE AN AREA IN THE BEDDING WHERE THE TROUGH WILL SEAT SO THAT THE END SECTION WILL BE LEVEL WITH THE BOTTOM OF THE TRENCH OR DITCH IN THE FINISHED INSTALLATION.

PLACE END SECTION OF PIPE:

OPEN THE END SECTION COLLAR AND SEAT IT OVER THE TWO PIPE CONNECTIONS. ONCE THE END SECTION IS POSITIONED, CHECK TO MAKE SURE THAT THE INVERT OF THE END SECTION MATCHES THE INVERT OF THE PIPE AND THAT THE END SECTION IS LEVEL WITH THE TRENCH OR DITCH BOTTOM.

SECURE THE END SECTION:

SLIP THE STAINLESS STEEL ROD THROUGH THE PRE-DRILLED HOLES AT THE TOP OF THE COLLAR. THE ROD SHOULD BE BETWEEN THE CROWNS OF THE TWO PIPE CONNECTIONS. PLACE A WASHER ON EITHER END OF THE ROD. PLACE A NUT ON EITHER END OF THE ROD AND TIGHTEN WITH A WRENCH.

SECURE THE TROUGH:

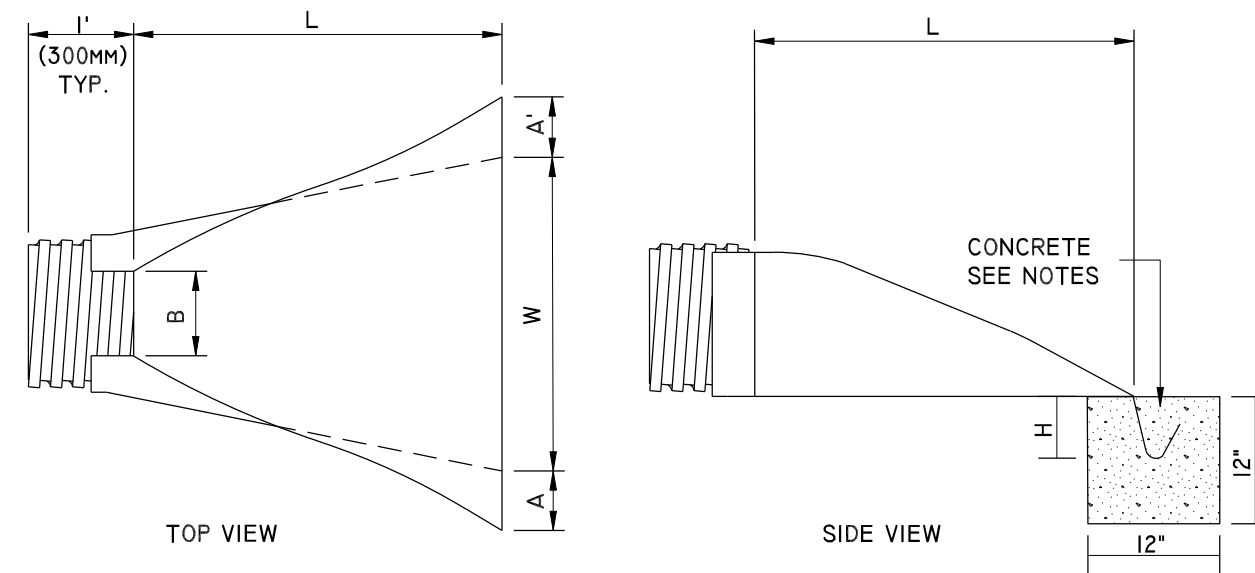
TO PREVENT WASHOUTS FROM HIGH VELOCITY FLOW, IT IS RECOMMENDED THAT THE TROUGH BE SECURED WITH CONCRETE. POUR CONCRETE IN THE TROUGH UP TO THE LEVEL OF THE TRENCH OR DITCH BOTTOM AND ALONG THE ENTIRE LENGTH OF THE TROUGH.

FINISH BACKFILL:

SHOVEL BACKFILL AROUND THE END SECTION IN 6 TO 9 INCH LAYERS EQUALLY ON BOTH SIDES, KNIFING IT TO ELIMINATE VOIDS. TAMP WITH A SMALL-FACED COMPACTOR OR OTHER EQUIPMENT SUITABLE FOR SMALL AREAS. CONTINUE PLACING, KNIFING, AND COMPACTING BACKFILL LAYERS TO THE TOP OF THE END SECTION TO SEAT IT WELL INTO THE BACKFILL.

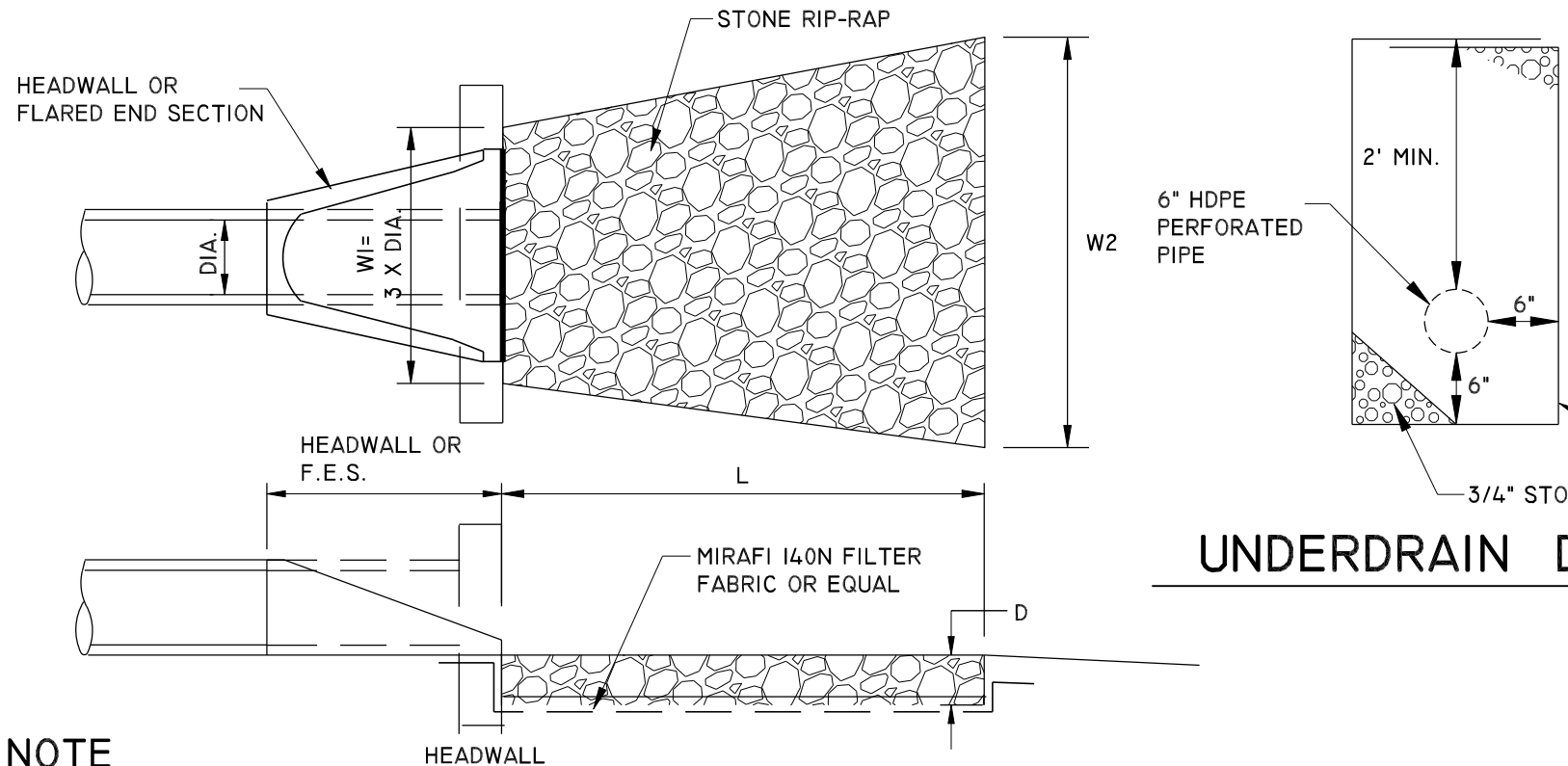
FLARED END SECTION

HIGH DENSITY POLYETHYLENE (HDPE)



PIPE DIAMETER	PART NO.	DIMENSIONS, INCHES (MM)				
		A, ±1 (25)	B MAX	H, ±1 (25)	L, ±1/2 (13)	W, ±2 (50)
12", 15" (300,375)	1210 NP	6.5 (165)	10 (254)	6.5 (165)	25 (635)	29 (736)
18" (450)	1810 NP	7.5 (190)	15 (380)	6.5 (168)	32 (812)	35 (890)
24" (600)	2410 NP	7.5 (190)	18 (450)	6.5 (165)	36 (900)	45 (1140)
30" (750)	3010 NP	10.5 (266)	NA	7.0 (178)	53 (1346)	68 (1725)
36" (900)	3610 NP	10.5 (266)	NA	7.0 (178)	53 (1346)	68 (1725)

NOT TO SCALE



UNDERDRAIN DETAIL

NOT TO SCALE

NOTE

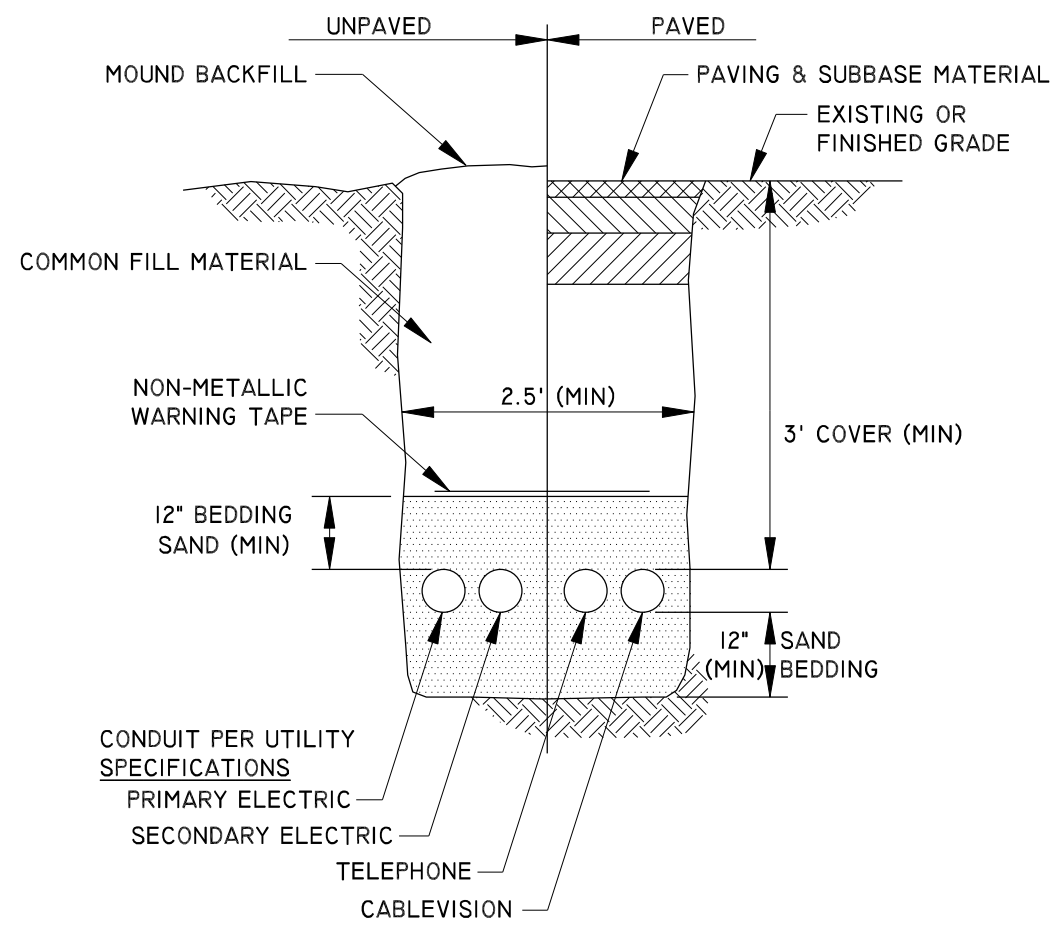
- THE SUBGRADE FOR THE GEOTEXTILE FABRIC AND RIP-RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- THE ROCK USED FOR RIP-RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP-RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
- STONE FOR THE RIP-RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

MAINTENANCE

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

RIP-RAP OUTLET PROTECTION APRON

NOT TO SCALE



UTILITY TRENCH DETAIL

NOT TO SCALE

DRAINAGE DETAILS

TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. P. LACASSE HOMES, LLC
9 SOUVIC LANE
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BOOK 9756 PAGE 6

PREPARED BY:
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TEL: (603) 968-5664
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DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.



01.	6/09/25	PER TOWN REVISIONS	IAD
02.	7/02/25	PER NHDES AOT REVISIONS	IAD
03.	8/20/25	PER TOWN ENG DEPT REVISIONS	IAD
REV.	DATE	DESCRIPTION	BY

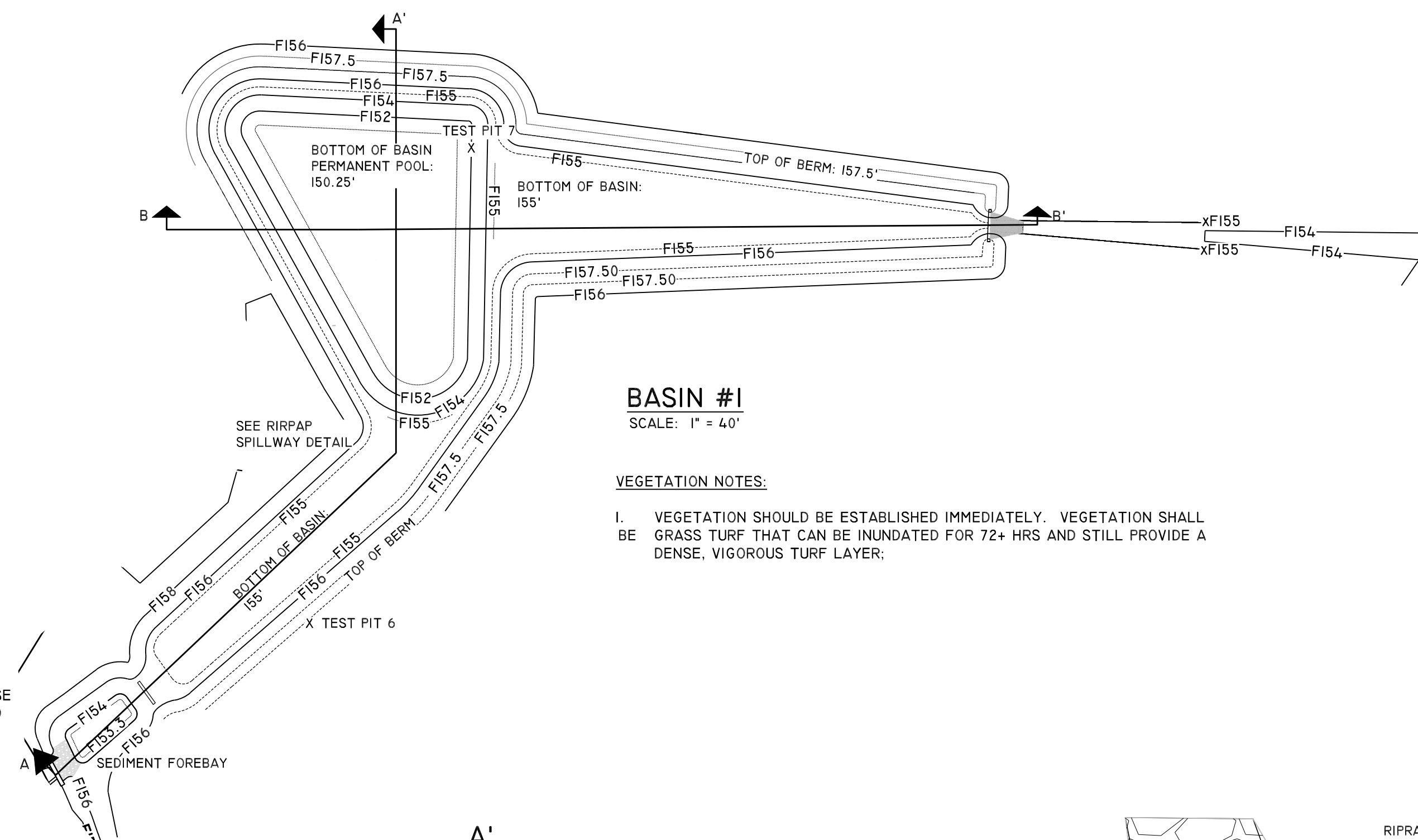
DATE: 4/24/25
JOB NO: 24009

APPROVED BY THE HUDSON, N.H. PLANNING BOARD
DATE OF MEETING: _____

CHAIRMAN SIGNATURE DATE: _____

SECRETARY SIGNATURE DATE: _____

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

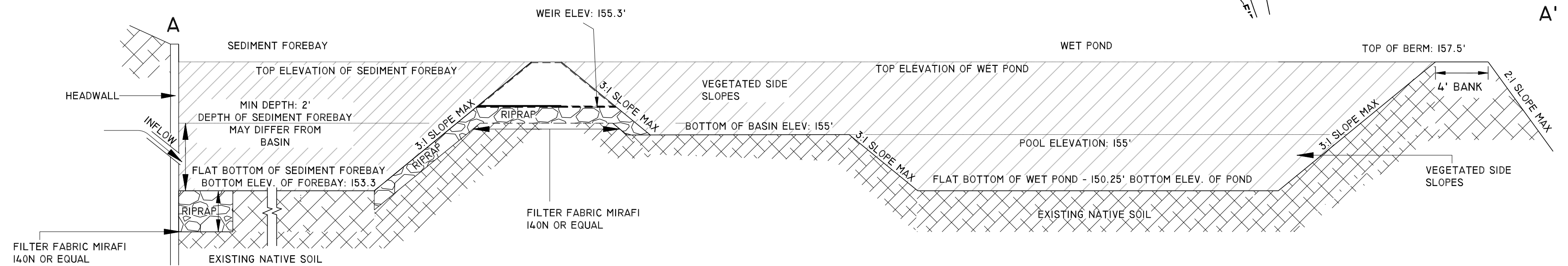


BASIN #1

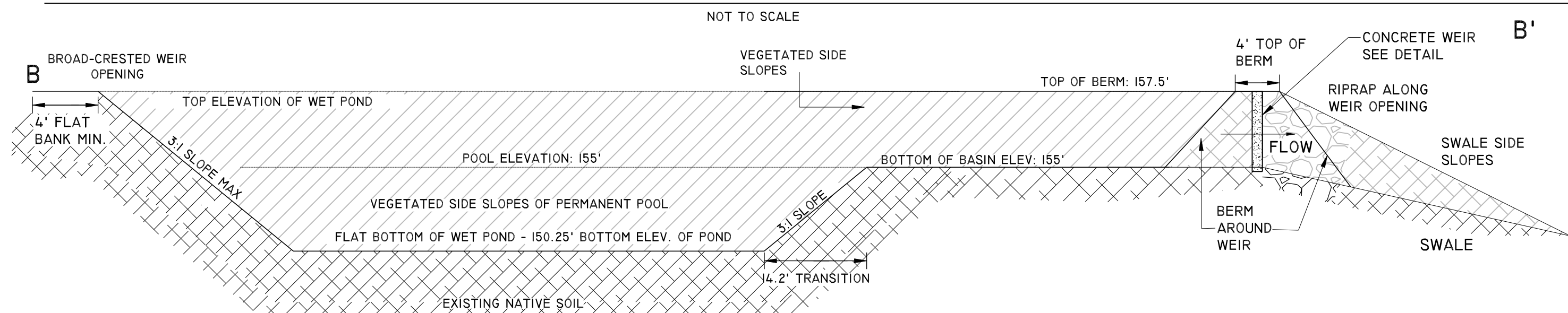
SCALE: 1" = 40'

VEGETATION NOTES:

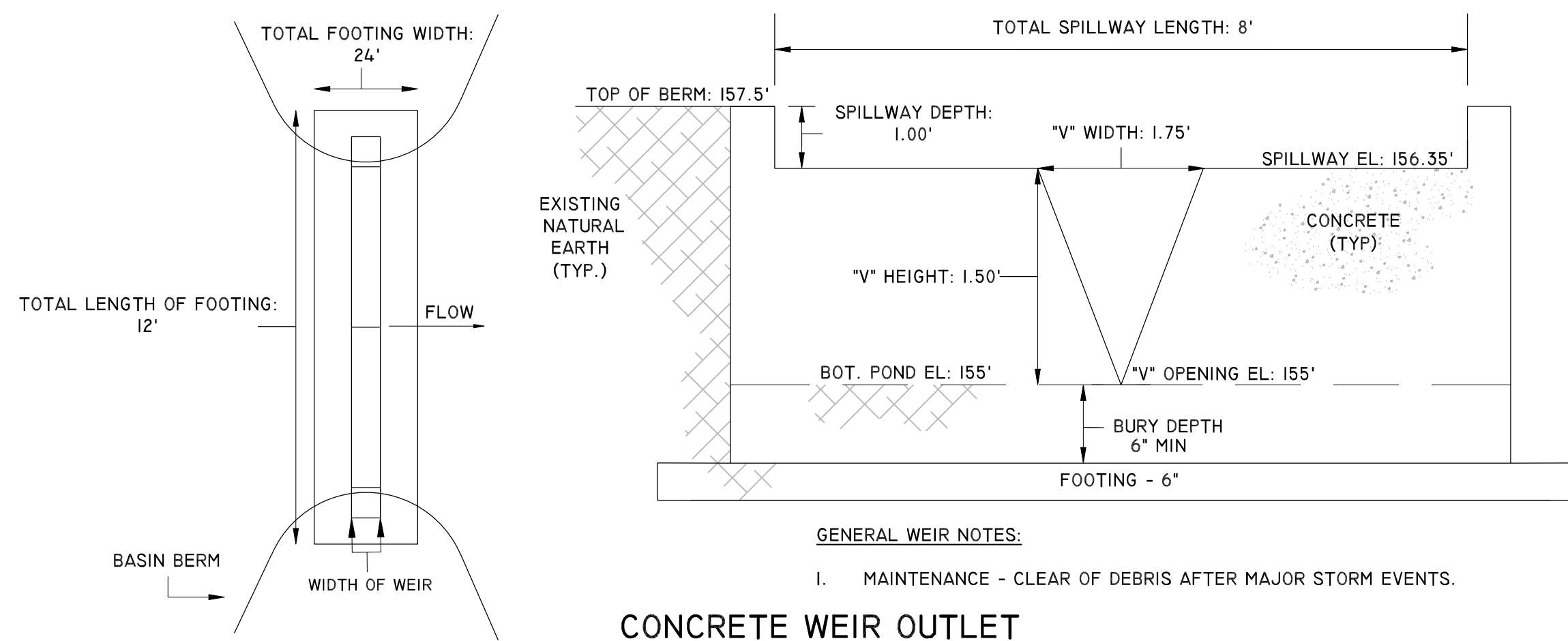
- I. VEGETATION SHOULD BE ESTABLISHED IMMEDIATELY. VEGETATION SHALL BE GRASS TURF THAT CAN BE INUNDATED FOR 72+ HRS AND STILL PROVIDE A DENSE, VIGOROUS TURF LAYER;



BASIN I SECTION A - A'



BASIN I SECTION B - B'



CONSTRUCTION DETAILS

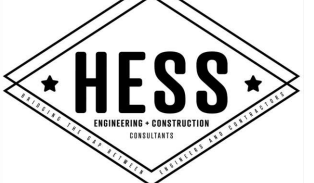
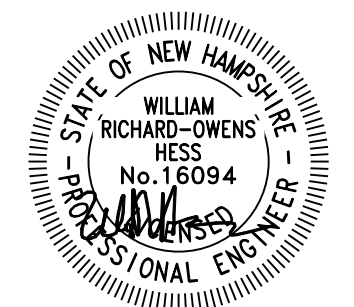
TAX MAP 138 LOT 82/88
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PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
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DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.



NOT TO SCALE

01.	6/09/25	PER TOWN REVISIONS	IAD
02.	7/02/25	PER NHDES AOT REVISIONS	IAD
03.	8/20/25	PER TOWN ENG DEPT REVISIONS	IAD
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CHAIRMAN

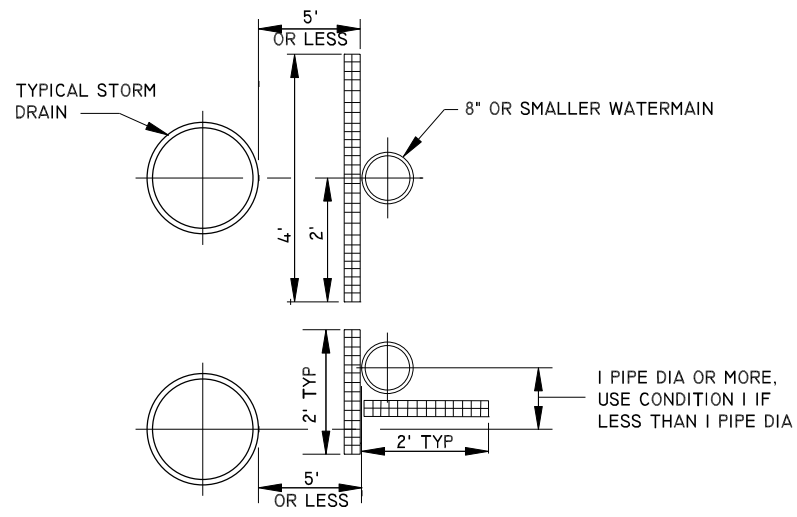
SIGNATURE DATE:

SECRETARY

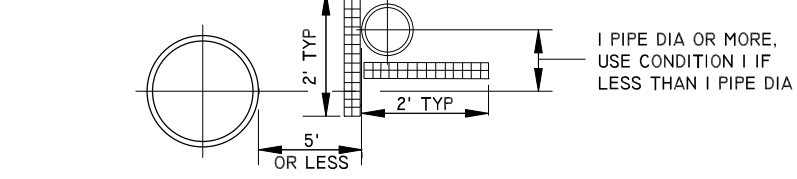
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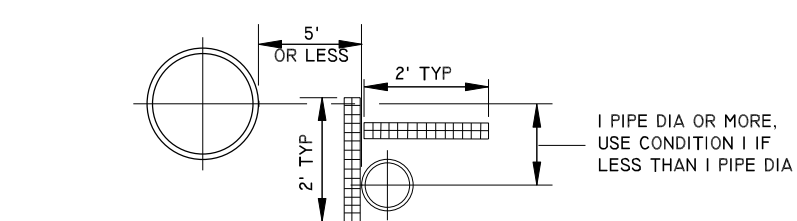
CONDITION I



CONDITION II



CONDITION III

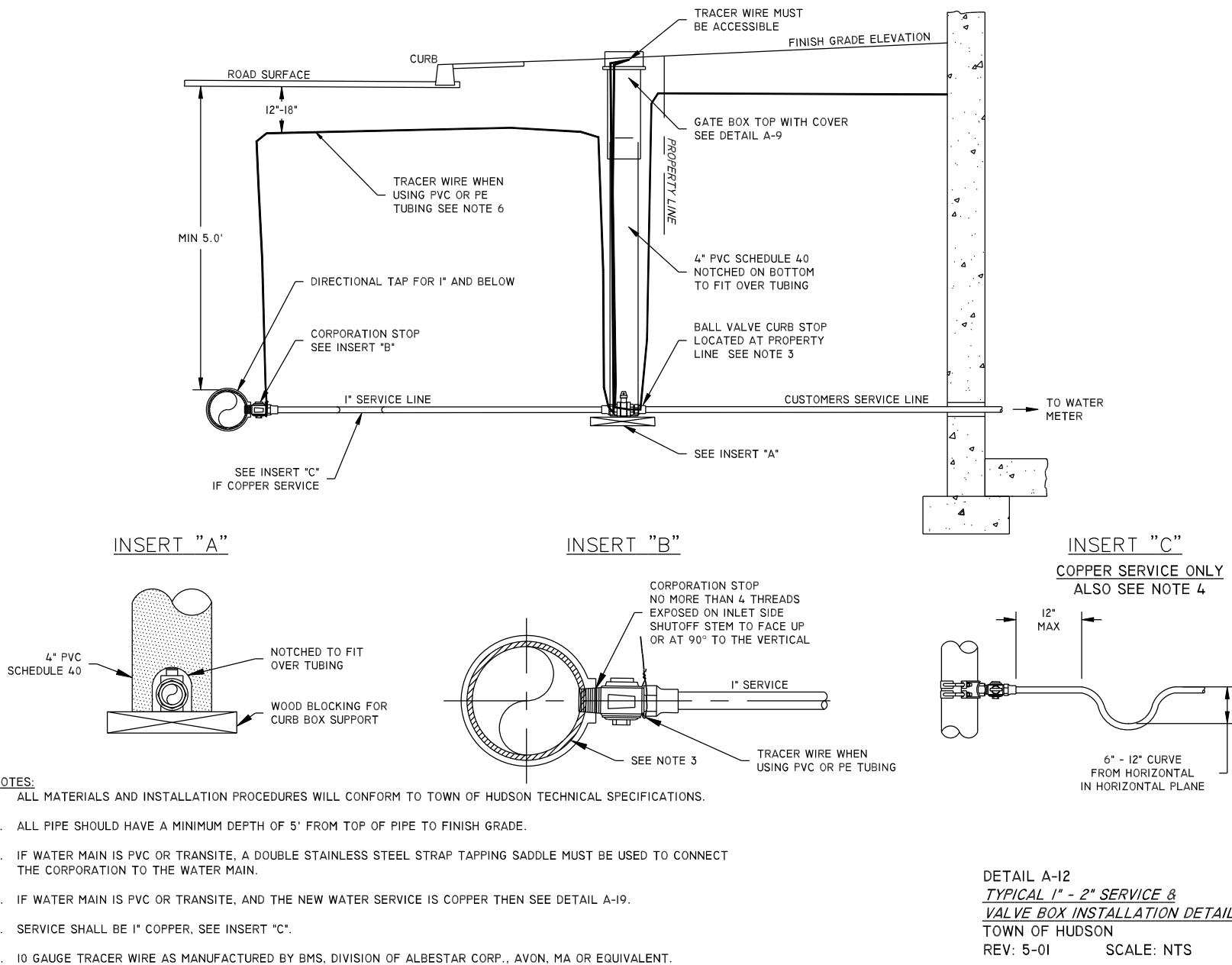


NOTE:

1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO NHDWGP TECHNICAL SPECIFICATIONS.
2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.
3. SITE ENGINEER RESERVES THE RIGHT TO MODIFY INSULATION REQUIREMENTS AS NECESSARY BASED ON FIELD CONDITIONS, ETC.
4. INSULATION TO BE RUN HORIZONTALLY AS LONG AS CONDITIONS I, II, OR III ABOVE EXIST. ALL BUTT JOINT SEAMS TO BE OVERLAPPED WITH 1' PIECE OF INSULATION CENTERED OVER SEAM.
5. 1.5" (MIN) BLUE DOW STYROFOAM

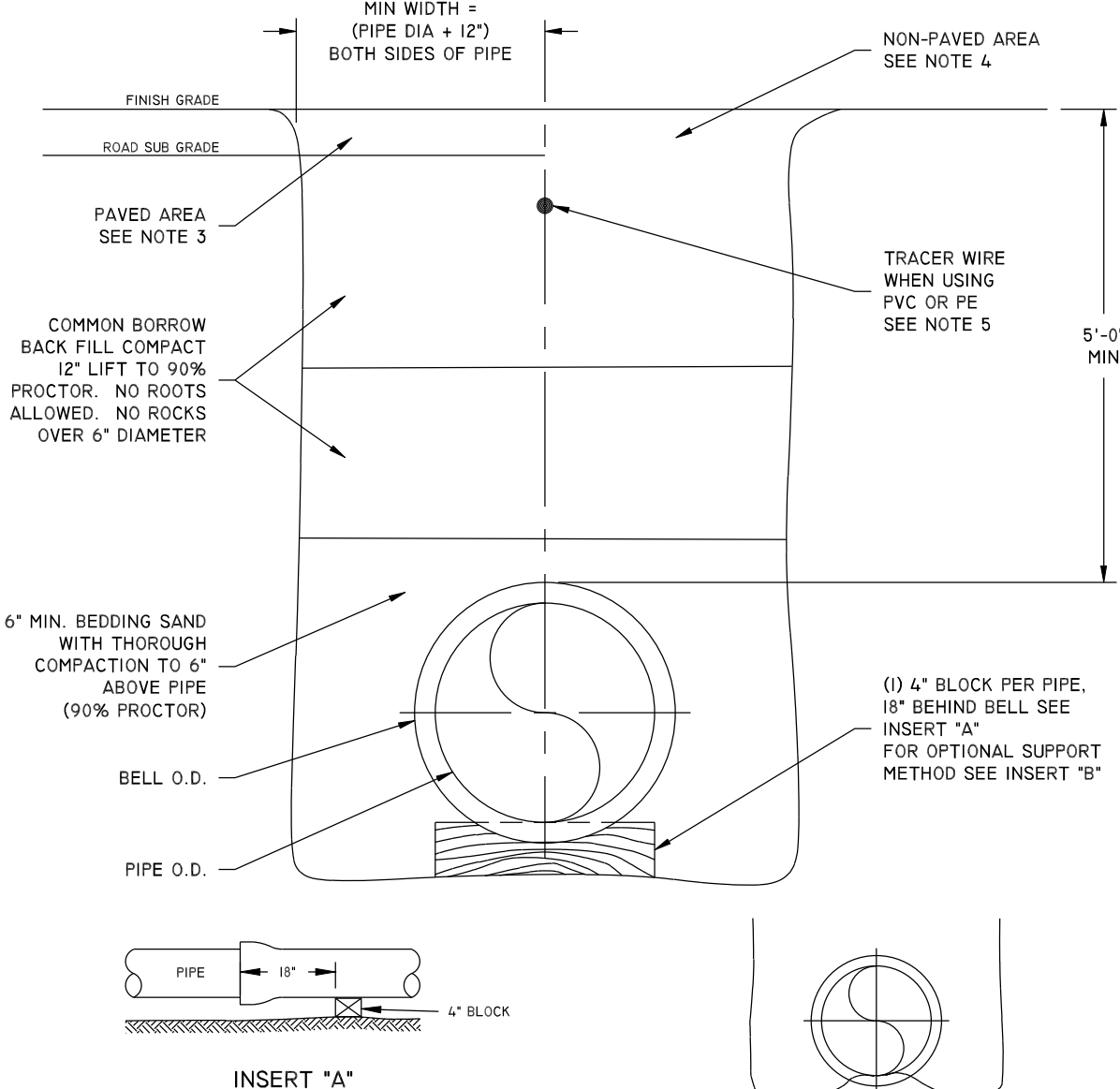
INSULATION AT STORM DRAIN AND WATER MAIN PARALLEL RUNS

NOT TO SCALE



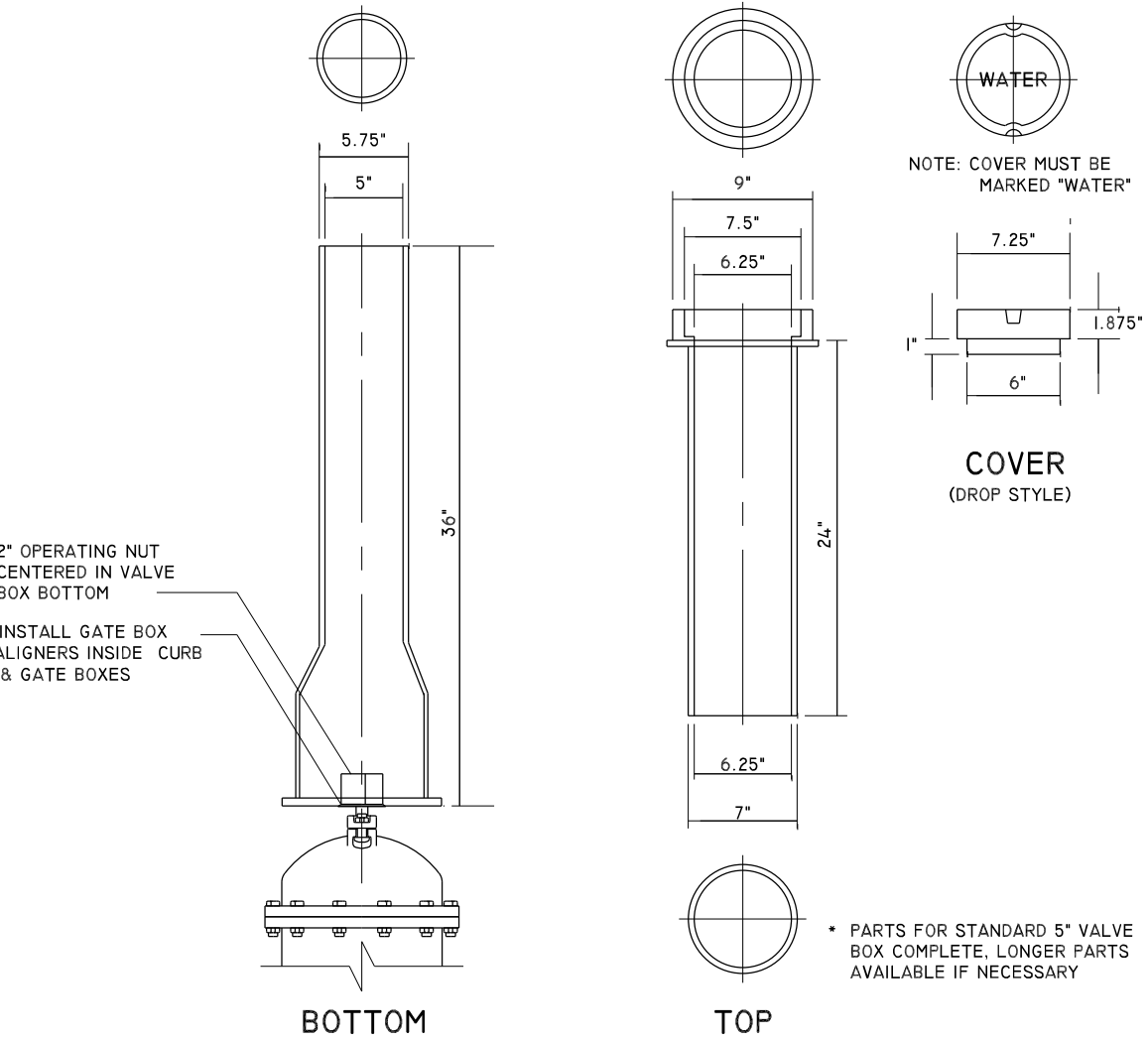
BEHIND FITTINGS INSTALLATION

NOT TO SCALE



TYPICAL TRENCH DETAIL

NOT TO SCALE



VALVE BOX

NOT TO SCALE

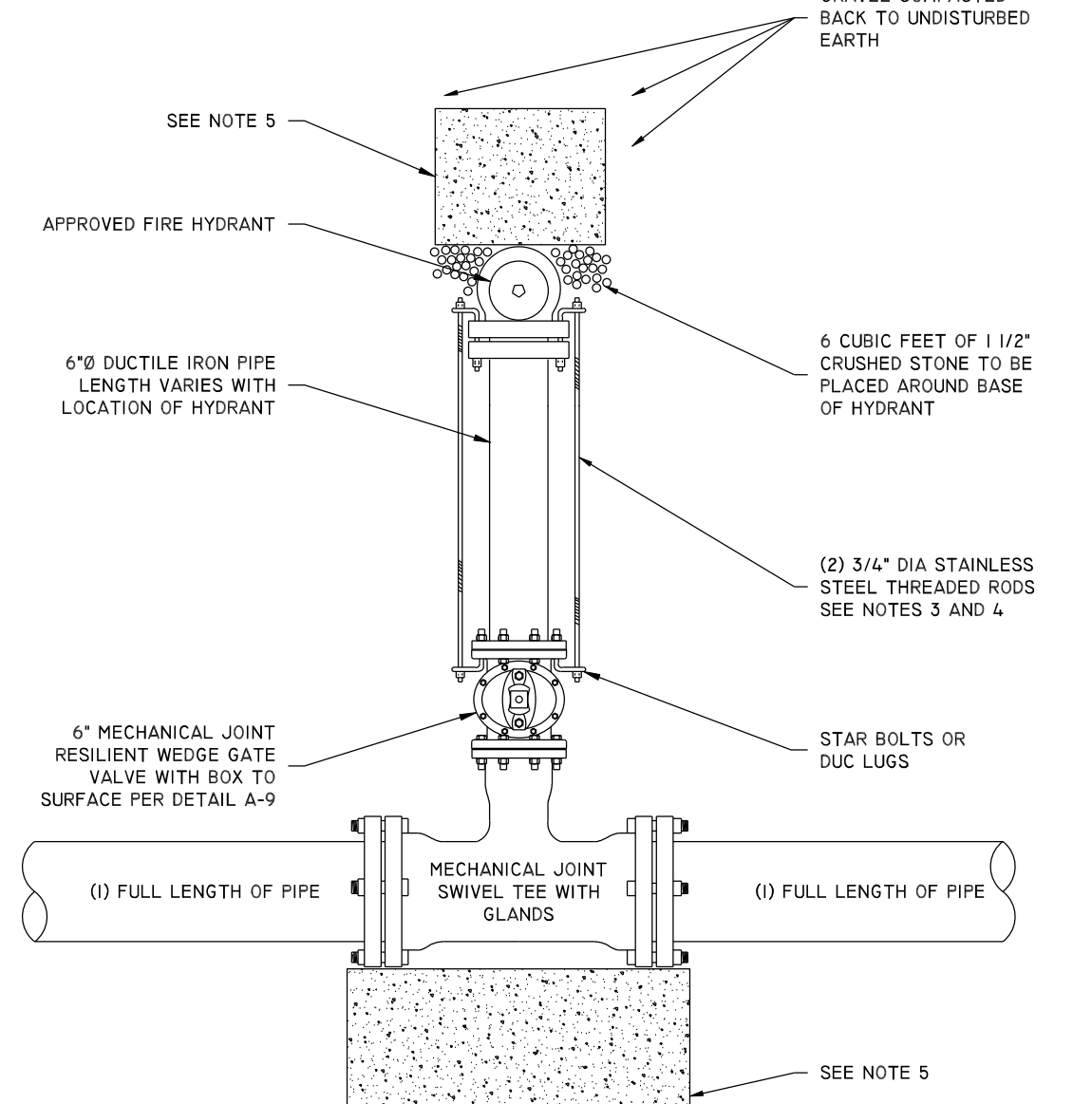


NOTE:

1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO TOWN OF HUDSON TECHNICAL SPECIFICATIONS.
2. ALL PIPE SHOULD HAVE A MINIMUM DEPTHS OF 5' FROM TOP OF PIPE TO FINISH GRADE.
3. GRIP RINGS AND THRUST BLOCKS SHALL BE USED FOR THRUST RESTRAINT.
4. MIN 2'x2'x4' PRECAST CONCRETE THRUST BLOCK MAY BE USED WITH WATER PRECINCT APPROVAL OR CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH - SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATERMAIN.

TEE INSTALLATION

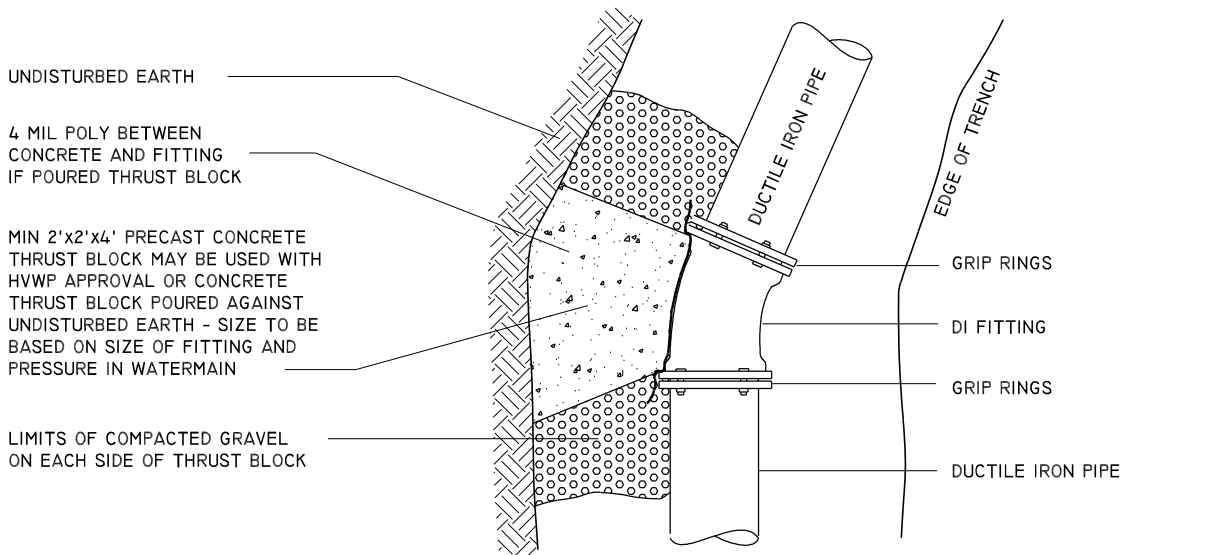
NOT TO SCALE



- NOTES:
1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO TOWN OF HUDSON TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTHS OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 3. 3/4" S.S. RODS SHALL BE USED IN CONJUNCTION WITH REQUIRED S.S. NUTS. RODS ARE TO BE ATTACHED TO FITTINGS WITH EITHER STAR BOLTS OR DUC LUGS.
(1) FITTING OR SMALLER - (2) 3/4" S.S. RODS & ASSOC. HARDWARE
(2) FITTING OR LARGER - (3) 3/4" S.S. RODS & ASSOC. HARDWARE
 4. WHEN DISTANCE FROM WATER MAIN TO HYDRANT IS MORE THAN 10' SUBSTITUTE RESILIENT SEAT GATE VALVE WITH BOX TO SURFACE PER DETAIL A-9
 5. MIN 3'x3'x3' PRE CAST CONCRETE THRUST BLOCK MAY BE USED WITH TOWN OF HUDSON APPROVAL OR CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH - SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATER MAIN. SEE DETAIL A-7.
- COURTESY OF PENNICHUCK WATER WORKS, INC.
- DETAIL A-10
TYPICAL HYDRANT INSTALLATION
TOWN OF HUDSON
REV: 5-01
SCALE: NTS

TYPICAL HYDRANT INSTALLATION DETAIL

NOT TO SCALE



NOTE:

1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO HWWP TECHNICAL SPECIFICATIONS.
2. THRUST BLOCK SIZE IS BASED ON TEST PRESSURE (1.5 X WORKING PRESSURE) OF THE MAIN AND MUST CONFORM TO HWWP AND TOWN STANDARDS.
3. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.

THRUST BLOCKING BEHIND FITTINGS INSTALLATION

NOT TO SCALE

WATER DETAILS

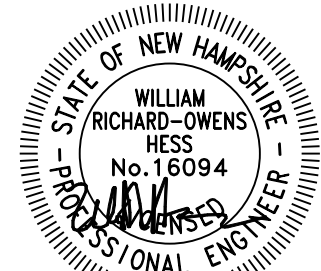
TAX MAP 138 LOT 82/88
9 ALVIRNE DRIVE, HUDSON, NH 03051

PREPARED FOR:
M. R. LACASSE HOMES, LLC
9 SCENIC LANE
HUDSON, NH 03051
BOOK 9756 PAGE 6

PREPARED BY:
HESS ENGINEERING & CONSTRUCTION CONSULTANTS, LLC

63 WEST STREET - P.O. BOX 991
ASHLAND, NH 03217
TEL: (603) 968-5664
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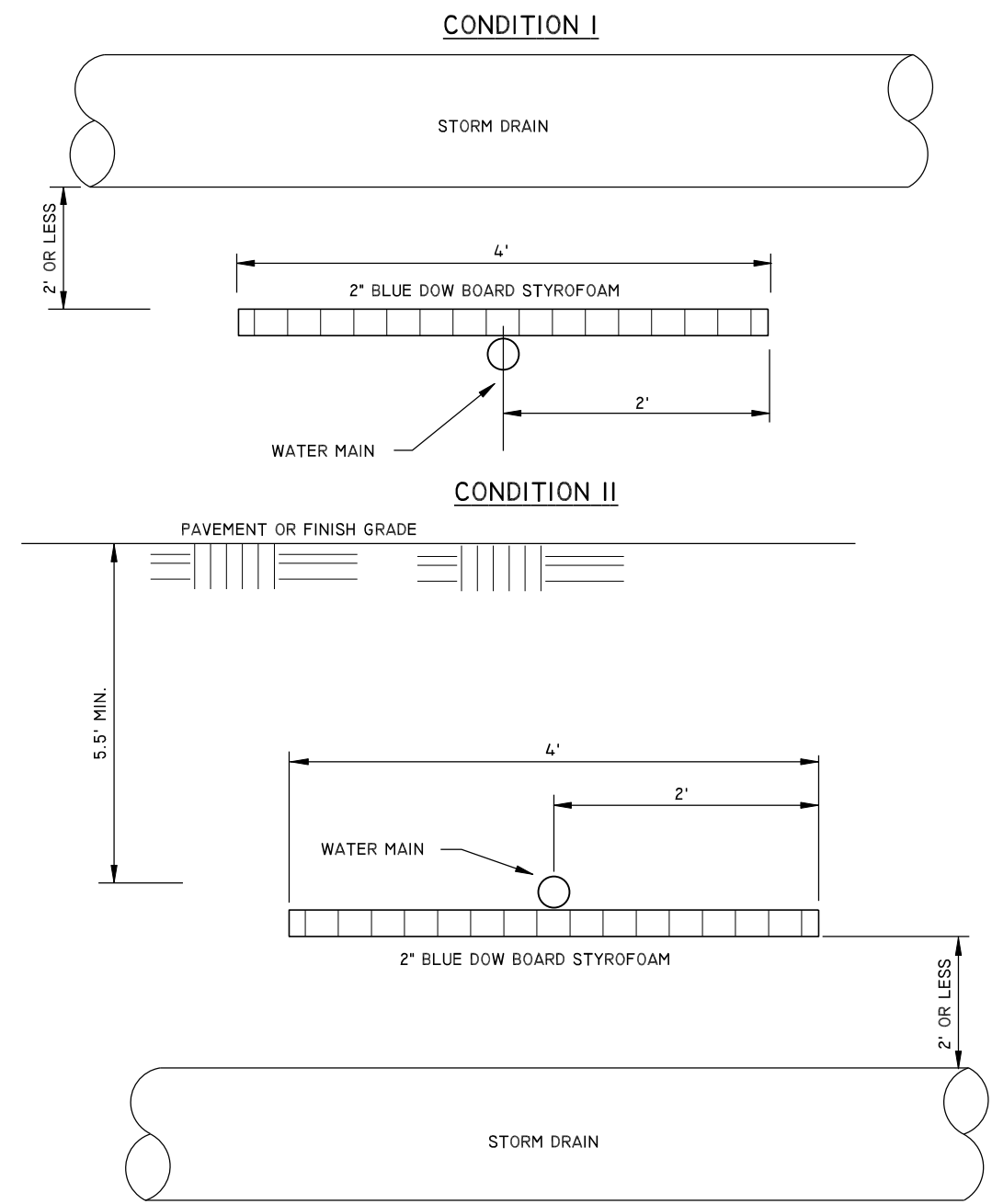
DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.



NOT TO SCALE

DATE: 4/24/25
JOB NO: 24009

01.	6/09/25	PER TOWN REVISIONS	IAD
REV.	DATE	DESCRIPTION	BY



NOTE:

1. SITE ENGINEER RESERVES THE RIGHT TO MODIFY INSULATION REQUIREMENTS AS NECESSARY BASED ON FIELD CONDITIONS, ETC.
2. THE LENGTH OR WIDTH OF INSULATION SHALL EXTEND BEYOND THE EDGE OF THE DRAIN PIPE IN EACH DIRECTION FOR A MINIMUM OF 2' OR, EXTEND BEYOND THE EDGE OF THE DRAIN PIPE FOR A DISTANCE OF THE DIAMETER OF THE DRAIN PIPE, WHICHEVER IS GREATER.
3. ALL BUTT JOINT SEAMS TO BE OVERLAPPED WITH 1' PIECE OF INSULATION CENTERED OVER SEAM.

STORM DRAIN / WATER MAIN INSULATION

NOT TO SCALE

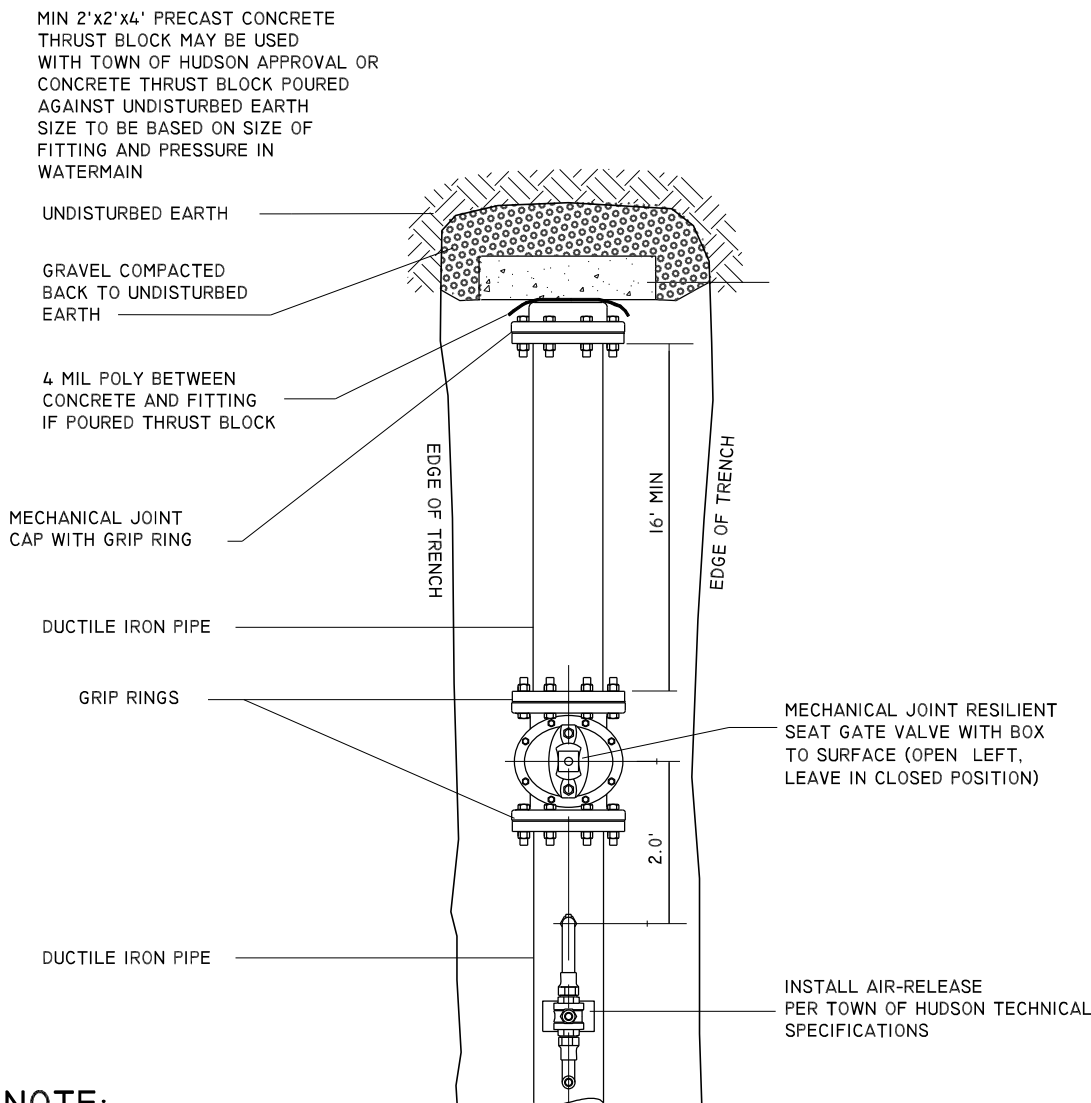
APPROVED BY THE HUDSON, N.H. PLANNING BOARD
DATE OF MEETING: _____

CHAIRMAN SIGNATURE DATE: _____

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

TYPICAL UTILITY SEPARATION DETAIL

NOT TO SCALE



NOTE:

1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO TOWN OF HUDSON TECHNICAL SPECIFICATIONS.
2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.

END OF MAIN INSTALLATION

NOT TO SCALE



NEW HAMPSHIRE
STATE ENDANGERED

BLANDING'S TURTLE

Report Sightings: Contact Wildlife Biologist Josh Megyesy at (603) 271 – 1125 or the Wildlife Division at (603) 271 – 2461. Observation reports can be sent to RAARP@wildlife.nh.gov. Photographs and exact locations are strongly encouraged.



Specific Information:

- Adults are 7 – 9 inches long.
- Shell is highly domed with light speckles.
- Distinct yellow throat and chin.
- Uses variety of wetlands and moves extensively over land.
- Turtles are frequently concealed by leaves and undergrowth and may not be easily visible.
- Turtles are most active from April 15 – October 15.
- During nesting season (May 15 – July 15) turtles are attracted to disturbed ground.



NEW HAMPSHIRE
STATE ENDANGERED

EASTERN BOX TURTLE

Report Sightings: Contact Wildlife Biologist Josh Megyesy at (603) 271 – 1125 or the Wildlife Division at (603) 271 – 2461. Observation reports can be sent to RAARP@wildlife.nh.gov. Photographs and exact locations are strongly encouraged.



Specific Information:

- Adults are 4.5 – 7 inches long.
- Highly domed shell.
- Variable color patterning from dark brown to black shell with irregular yellow or orange markings.
- Primarily terrestrial using forests, fields, shrub lands, and wetland edges.
- Hibernates on land by digging down in soil.
- Frequently concealed by leaves and undergrowth and may not be easily visible.
- Turtles are most active from April 15 – October 15.
- During nesting season (May 15 – July 15) turtles are attracted to disturbed ground.



NEW HAMPSHIRE
STATE THREATENED

SPOTTED TURTLE

Report Sightings: Contact Wildlife Biologist Josh Megyesy at (603) 271 – 1125 or the Wildlife Division at (603) 271 – 2461. Observation reports can be sent to RAARP@wildlife.nh.gov. Photographs and exact locations are strongly encouraged.



Specific Information:

- Adults are 3 – 5 inches long
- Shell is black or brown, fairly flat, and with yellow spots.
- Uses variety of wetlands and moves extensively over land.
- Turtles are frequently concealed by leaves and undergrowth and may not be easily visible.
- Turtles are most active from April 15 – October 15.
- During nesting season (May 15 – July 15) turtles are attracted to disturbed ground.



NHFG NOTES

A QUALIFIED BIOLOGIST SHALL BE DEFINED AS AN INDIVIDUAL WHO HAS EXPERIENCE AND KNOWLEDGE OF RARE TURTLE AND SENSITIVE AND RARE AMPHIBIAN SPECIES THAT MAY BE FOUND IN THESE AREAS. THE CREDENTIALS OF THE INDIVIDUAL SHALL BE PROVIDED TO NHFG NO LESS THAN 30 DAYS IN ADVANCE OF CONDUCTING SITE ACTIVITIES AND MUST RECEIVE NHFG APPROVAL IN ORDER TO CONDUCT THE SITE ACTIVITIES AS REQUESTED BY NHFG.

WILDLIFE RAMP NOTES

WILDLIFE ESCAPE MOUNDS ("RAMPS") SHALL BE INSTALLED ON THE INTERIOR OF THE WILDLIFE EXCLUSIONARY BARRIER ALLOWING FOR POTENTIALLY ENTRAPPED WILDLIFE TO ESCAPE FROM THE PROJECT AREA. RAMPS SHALL BE CONSTRUCTED ON THE WORK-ZONE SIDE OF THE WILDLIFE EXCLUSIONARY BARRIER. THE RAMPS SHALL BE CONSTRUCTED OUT OF NATIVE MATERIAL (SAND/SOIL) FROM THE SITE AND SHALL BE AT A MIN. 3' WIDE. ADDITIONAL TALL STAKES SHALL BE INSTALLED IN THE LOCATION OF THESE RAMPS TO HELP SUPPORT THE SILT FENCING AS NEEDED. MATERIALS SUCH AS HAY OR MULCH MAY BE USED TO OFFSET WEIGHT AS LONG AS MATERIALS DO NO ASSIST ANIMALS IN ENTERING WORK ZONE. WILDLIFE RAMPS SHALL BE INSTALLED AT LEAST EVERY 75' ALONG THE WILDLIFE EXCLUSIONARY BARRIER AND SHALL ONLY BE INSTALLED ON SIDES OF THE FENCE THAT DO NOT BORDER ROADS. SEE DETAIL BELOW.

EASTERN HOGNOSE SNAKE

(New Hampshire state endangered species)

Egg laying occurs **June 1 - July 15th**,
Young emerge in **August - September**.

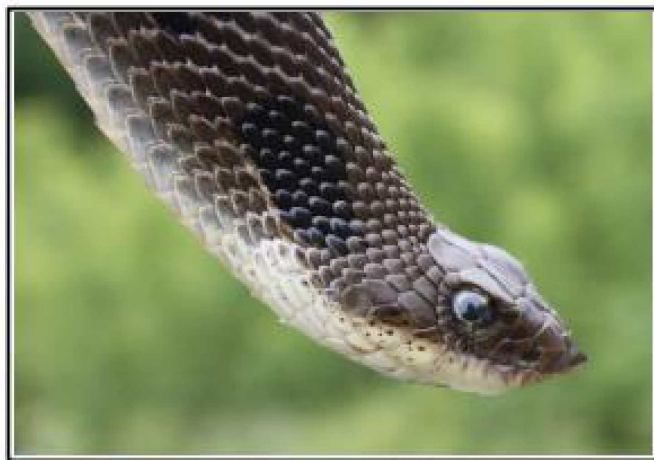


Identifying traits

- Black, gray or patterned appearance
- Uprturned snout
- Adults are 2-3 ft. long
- May spread neck out or hiss
- May play dead if they feel threatened.
- Rarely bite – display is a defense strategy

Habitat Use

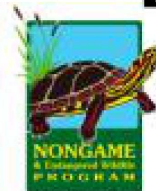
- Can be found in a variety of habitats throughout the season



Immediately report sightings to NH Fish & Game

Melissa Winters (603-479-1129) or
Brendan Clifford (603-944-0885)

Please report promptly, noting specific location and date.
Photographs strongly encouraged.

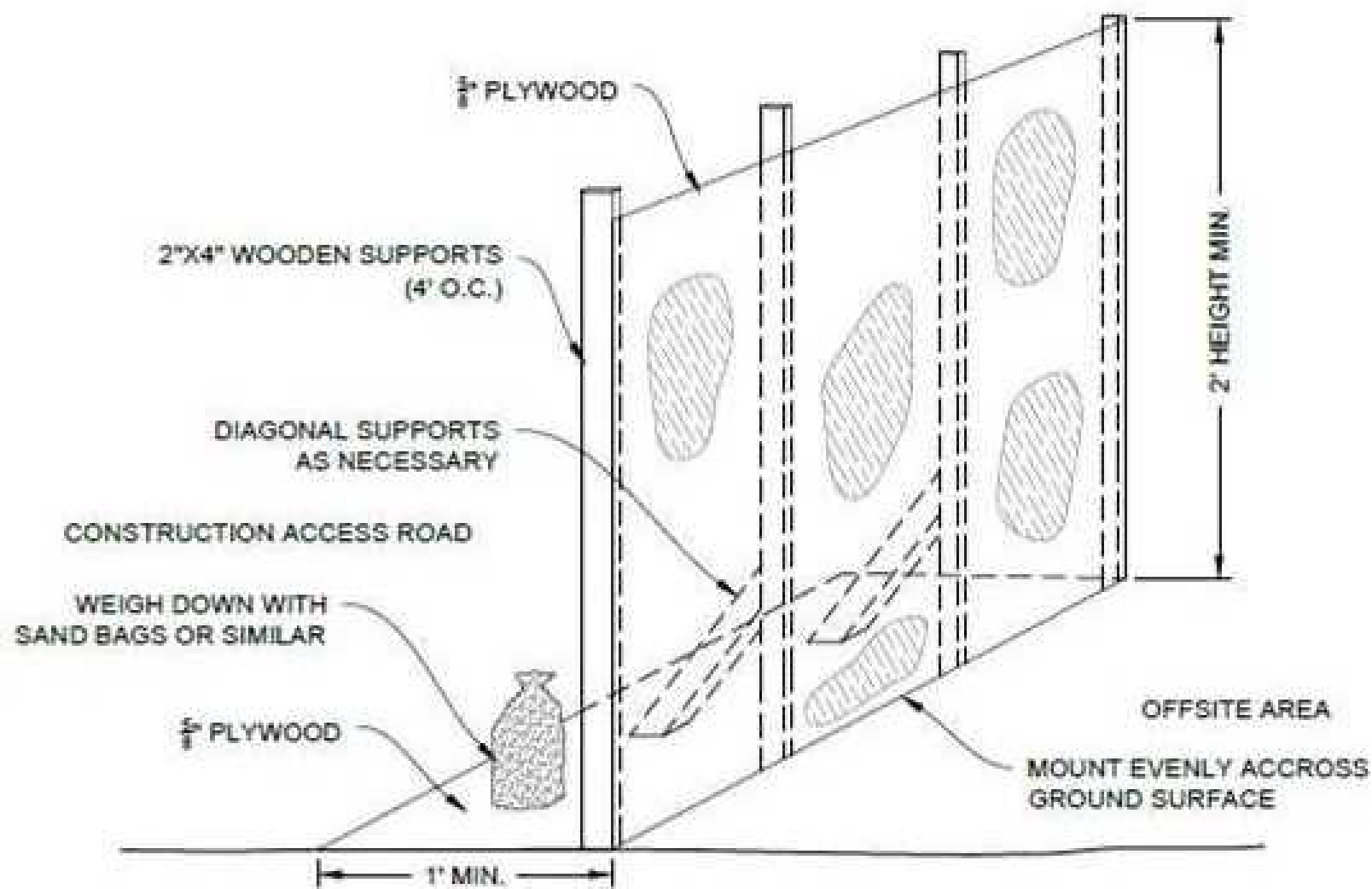


State Laws Pertaining to this Species

RSA 212-A:7, FIS 804.05, Fis 1401.03 (a)

This species is protected under RSA 212-A and Fis 1000. Thank you for reporting any observations.

PLEASE DO NOT DISTURB OR HANDLE WILDLIFE



NOTE:

1. THE PLYWOOD BARRIER SHALL REMAIN IN PLACE ANY TIME THE ENTRANCE IS NOT ACTIVELY IN USE, EVEN DURING THE WORK DAY.
2. EACH SECTION OF PLYWOOD BARRIER SHALL OVERLAP THE ADJACENT SECTION TO ENSURE THAT ALL OPENINGS ARE BLOCKED COMPLETELY.

This species is protected under RSA 212-A and Fis 1000. Thank you for reporting any observations.

PLEASE DO NOT DISTURB OR HANDLE WILDLIFE

1. WILDLIFE EXCLUSIONARY BARRIER, AS SHOWN IN THE FIGURE LABELED "WILDLIFE EXCLUSIONARY BARRIER, SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE PRIOR TO 4/15 AND MAINTAINED BETWEEN 4/15-10/15 THROUGHOUT THE LIFE OF THE ACTIVE PROJECT/CONSTRUCTION ACTIVITIES.
2. ENSURE WILDLIFE GATE REMAINS CLOSED AT END OF WORK DAY.
3. WILDLIFE EXCLUSIONARY BARRIER SHALL BE BURIED TO A DEPTH OF NO LESS THAN 6-8" AND EXTEND NO LESS THAN 18" ABOVE EXISTING GRADE.
4. WILDLIFE EXCLUSIONARY BARRIER SHALL BE INSTALLED WITH THE WOOD STAKES EXPOSED ON THE INTERIOR SIDE OF THE WORK ZONE.
5. BARRIER SHALL BE INSPECTED DAILY FOR DEFECTS/WILDLIFE PRIOR TO SITE CONSTRUCTION ACTIVITIES. DEFECTS SHALL BE IMMEDIATELY REPAIRED AND REPORTED TO NHFG WITHIN 24 HRS OF DISCOVERY. SITE OPERATOR SHALL MAINTAIN LOG OF ALL INSPECTIONS WHICH INCLUDES DATE/TIME/OBS/DEFECTS/REPAIRS/COORDINATION EFFORTS/PHOTOGRAPHS DURING THE LIFE OF THE PERMIT OR UNTIL PROJECT COMPLETION, WHICHEVER OCCURS FIRST. LOGS SHALL BE MADE AVAILABLE IMMEDIATELY TO NHFG AND NHDES UPON WRITTEN REQUEST.
6. NHFG SHALL BE INFORMED IN WRITING WHEN WILDLIFE EXCLUSIONARY BARRIER INSTALLATION HAS BEEN COMPLETED.

APPROVED BY THE HUDSON, N.H. PLANNING BOARD
DATE OF MEETING: _____

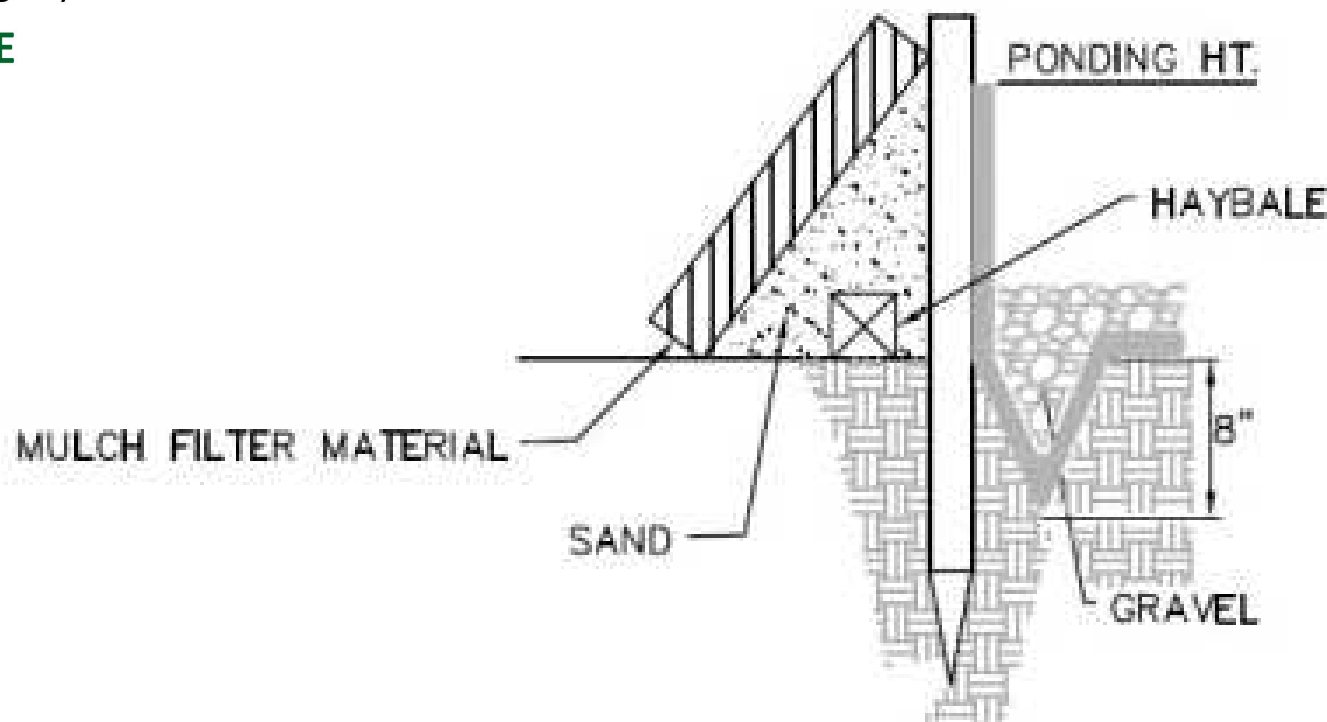
CHAIRMAN

SIGNATURE DATE: _____

SECRETARY

SIGNATURE DATE: _____

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WILDLIFE RAMP DETAIL
TRENCH WITH GRAVEL

NH FISH AND GAME NOTES

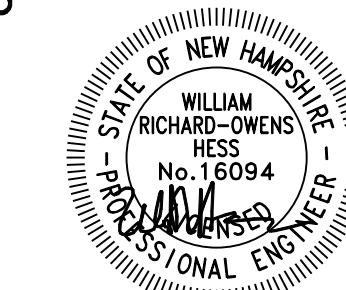
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BOOK 9756 PAGE 6

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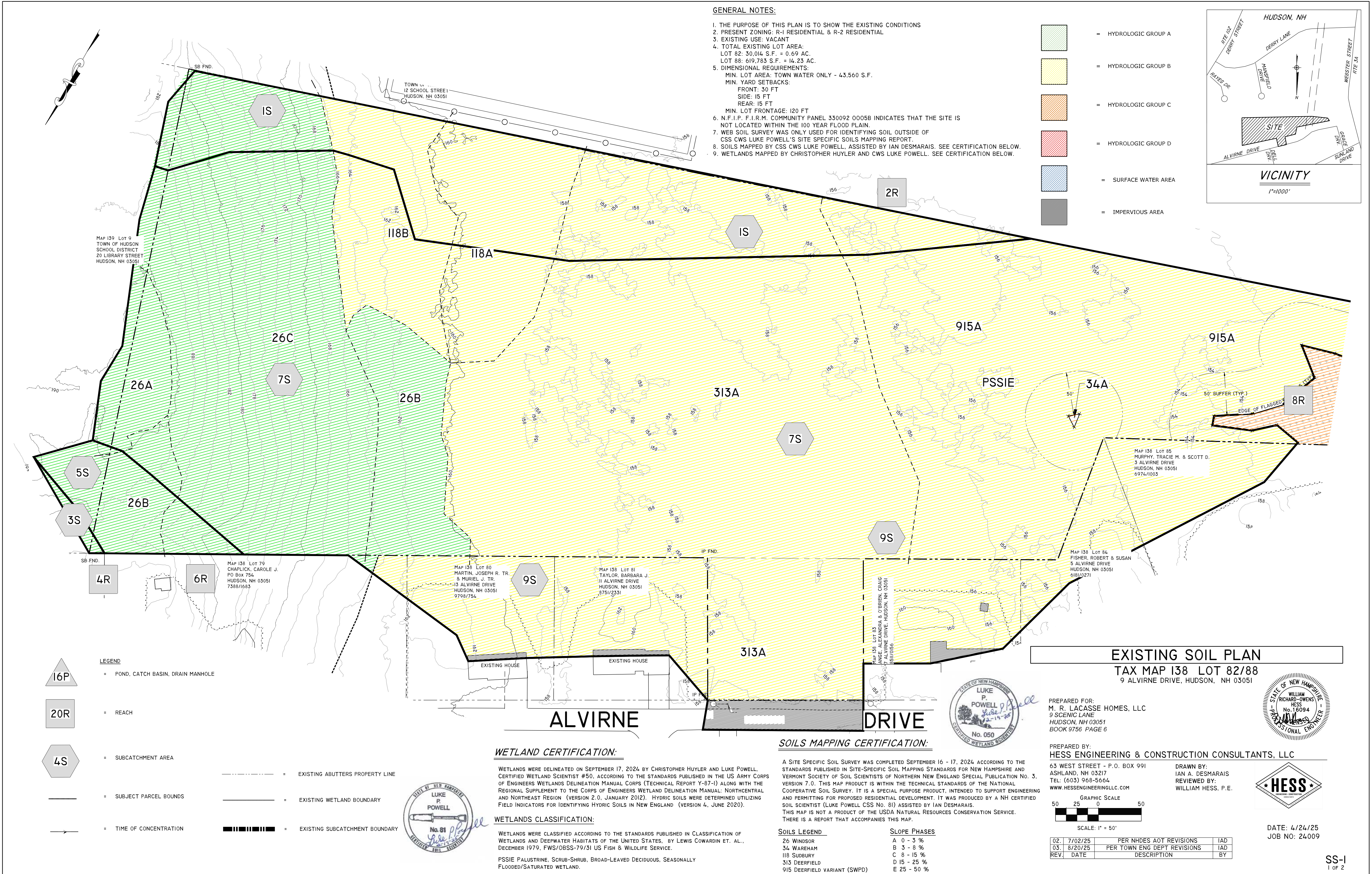
DRAWN BY:
IAN A. DESMARAIS
REVIEWED BY:
WILLIAM HESS, P.E.



NOT TO SCALE

REV.	DATE	DESCRIPTION	BY

DATE: 4/24/25
JOB NO: 24009



H:\PROJECTS\2324 HUDSON\2324 HUDSON\9 ALVIRNE DRIVE, LACASSE\24009 ALVIRNE DRIVE.DWG SEP 19, 2025-7:52AM

