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RESIDENTIAL SITE REVIEW LAND OF DOMUS DEVELOPERS INC. OLD TURNPIKE ROAD NOTTINGHAM, N.H. TAX MAP 6, LOT 22

NOTTINGHAM
 APPROVED
 PLANNING BOARD

DATE

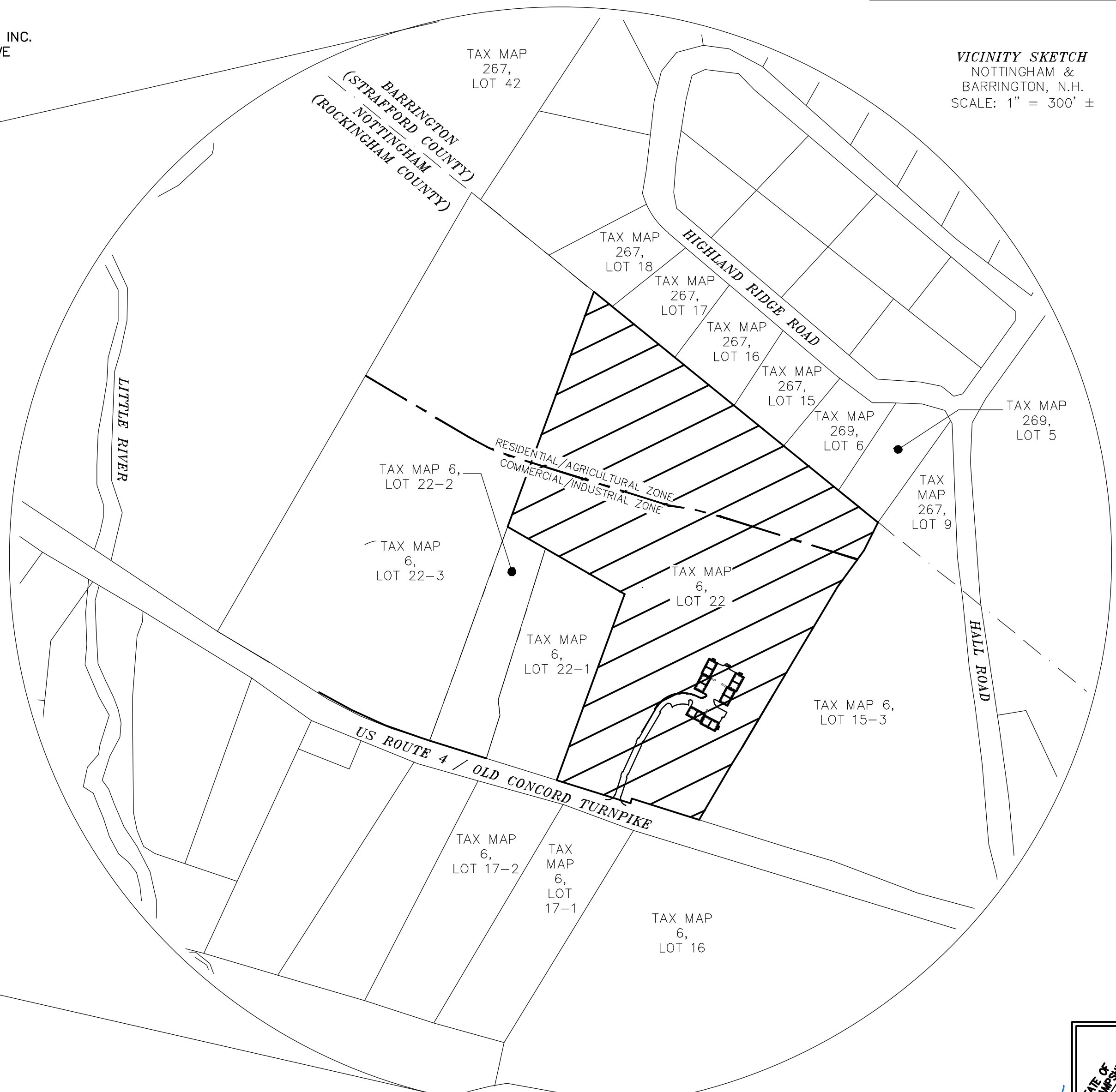
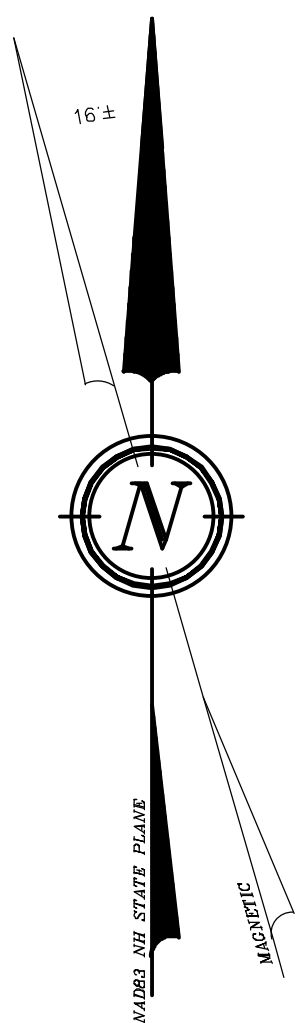
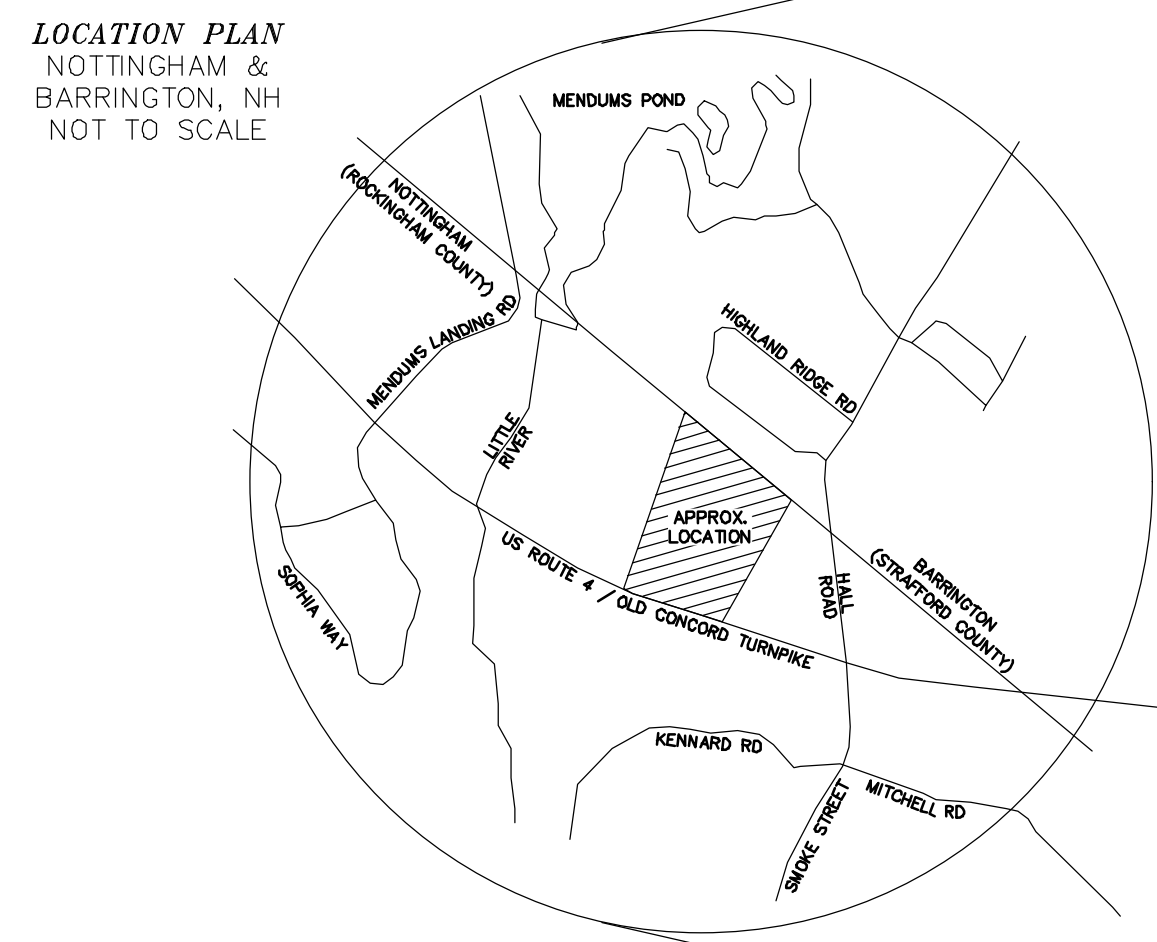
SURVEYOR OF RECORD: KENNETH A. BERRY, PE, LLS
 CPSWQ, CPESC, CESSWI
 BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825
 (603) 332-2863

OWNER: DOMUS DEVELOPERS INC.
 11 WHITEHORSE DRIVE
 RYE, NH 03870

ENGINEER OF RECORD: KENNETH A. BERRY, PE, LLS
 CPSWQ, CPESC, CESSWI
 BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825
 (603) 332-2863

APPLICANT: DOMUS DEVELOPERS INC.
 11 WHITEHORSE DRIVE
 RYE, NH 03870

WETLAND SCIENTIST & SOIL SCIENTIST: STONEY RIDGE ENVIRONMENTAL
 CYNTHIA M. BALCIUS, CSS, CWS, CPESC
 229 PROSPECT MOUNTAIN ROAD
 ALTON, NH 03809
 (603) 776-5825



REQUIRED PERMITS:

- 1.) NHDES SUBDIVISION APPROVAL: (PENDING)
- 2.) NHDES WETLANDS IMPACT PERMIT: (PENDING)
- 3.) EPA NOTICE OF INTENT / SWPPP: (PENDING)
- 4.) NATURAL HERITAGE BUREAU: (FILE #18-3821)
- 5.) DIVISION OF HISTORICAL RECOUSES: (PENDING)
- 6.) NHDES ALTERATION OF TERRAIN PERMIT: (PENDING)

GENERAL PLAN SET NOTES:

- 1.) 11x17" PLANS ARE HALF THE PUBLISHED SCALE.
- 2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE TOWN OF NOTTINGHAM.

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE TOWN OF NOTTINGHAM LAND SUBDIVISION REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INsofar AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SUBDIVISION APPROVAL.

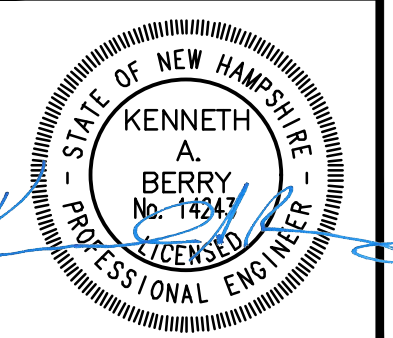
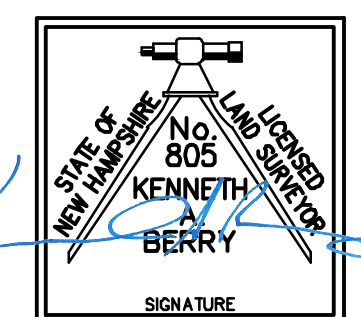
NOTE:

BERRY SURVEYING & ENGINEERING HAS PREPARED AN INSPECTION & MAINTENANCE MANUAL AS PART OF THIS PROJECTS DOCUMENTATION. ALL USERS ARE BOUND TO THIS DOCUMENT AS PART OF THE APPROVAL OF THE PLANNING BOARD. COPIES OF THE YEARLY INSPECTIONS ARE TO BE DELIVERED TO THE TOWN OF NOTTINGHAM TOWN HALL.

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

RESIDENTIAL SITE REVIEW
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : AS SHOWN
 DATE : JUNE 3, 2019
 FILE NO. : DB 2018 - 030

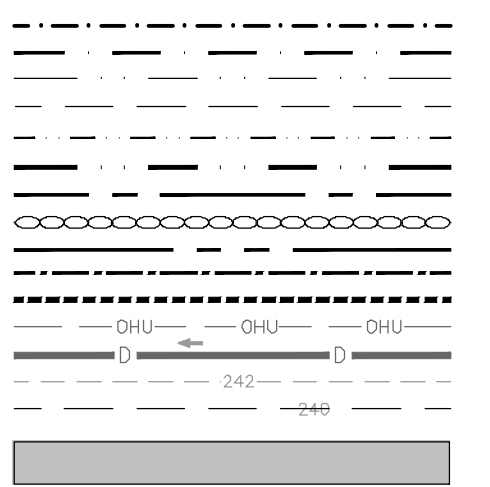


ABBREVIATION LEGEND:

B.C.C.	BITUMINOUS CONCRETE CURB
BITUM.	BITUMINOUS
E.O.P.	EDGE OF PAVEMENT
E.S.H.W.T	ESTIMATED SEASONAL HIGH WATER TABLE
TYP.	TYPICAL
U.G.E.	UNDER GROUND ELECTRIC / UTILITY
U.D.	UNDER DRAIN
C.O.	CLEAN OUT
INV.	INVERT
ELEV.	ELEVATION
F.E.S.	FLARED END SECTION
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
RECB	ROLLED EROSION CONTROL BLANKET
F.G.	FINISHED GRADE
E.G.	EXISTING GRADE
E.T.W.	EDGE OF TRAVELED WAY
T.B.R.	TO BE REMOVED
PL	PROPERTY LINE
EL	EASEMENT LINE
R.O.W.	RIGHT OF WAY
CL	CENTER LINE
CF	CUBIC FEET
P.C.	POINT OF CURVATURE
P.T.	POINT OF TANGENCY
P.V.C.	POINT OF VERTICAL CURVATURE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.T.	POINT OF VERTICAL TANGENCY
EX.	EXISTING
PROP.	PROPOSED
R&R	REMOVE AND REPLACE
STA.	STATION
'/.	FOOT / FOOT

EXISTING LEGEND:

	DRILL HOLE ~FND~
	IRON PIPE ~FND~
	NH HIGHWAY BOUND ~FND~
	UTILITY POLE
	GUY WIRE
	SIGNAGE
	TEST PIT
	LEDGE PROBE
	TEMPORARY BENCHMARK (T.B.M.)
	BLAZED/PAINTED TREE
	POORLY DRAINED WETLAND LINE
	VERY POORLY DRAINED WETLAND LINE
	BUILDING SETBACK LINE
	EASEMENT LINE
	WETLAND SETBACK 50' TO POORLY DRAINED
	WETLAND SETBACK 75' TO VERY POORLY DRAINED
	ZONING DISTRICT LINE
	STONE WALL
	NRCS SOIL DELINEATION LINE
	SITE SPECIFIC SOIL LINE
	LIMIT OF SOIL SURVEY
	OVERHEAD UTILITIES LINE
	EXISTING DRAIN CULVERT
	CONTOUR MINOR, EXISTING
	CONTOUR MAJOR, EXISTING
	AREA OF 25% OR GREATER SLOPE

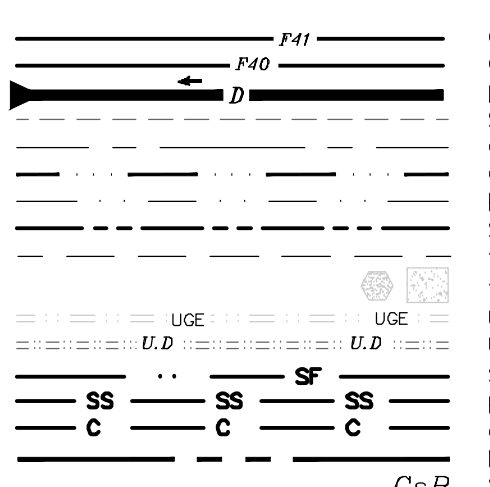


448A

C.S.B.	SOIL SERIES
R.C.R.D.	NRCS SOIL LABEL
S.C.R.D.	ROCKINGHAM COUNTY REGISTRY OF DEEDS
TYP.	STRAFFORD COUNTY REGISTRY OF DEEDS
FND	TYPICAL
	FIND

PROPOSED LEGEND:

	GRANITE BOUND ~TBS~
	3/4\"/>
	1/2\"/>
	OUTLET POLE
	SIGNAGE
	CHECK DAM-MATERIAL AS SPECIFIED
	FLOW ARROW
	WELL
	TEMPORARY BENCH MARK (T.B.M.)
	DETAIL SHEET / DETAIL
	CONTOUR MINOR, PROPOSED
	CONTOUR MAJOR, PROPOSED
	DRAIN CULVERT W/ FLARED END SECTION (F.E.S.)
	SHOULDER
	CENTER LINE
	CLEAR ZONE LINE
	BUILDING SETBACK LINE
	SUBDIVISION BOUNDARY LINE
	75' PROTECTIVE WELL RADIUS (NHDES)
	TRANSFORMER / J.BOX
	UNDERGROUND UTILITY
	UNDER DRAIN
	SILT FENCE / EROSION MIX BERM
	FILTREX B - 12\"/>
	ORANGE CONSTRUCTION PERIMETER FENCE
	NRCS SOIL DELINEATION
	SOIL TYPE
	RIP RAP
	RAIN GARDEN
	BERM
	4,000 Sq. Ft. EFFLUENT LEACHING AREA



GIS SKETCH
NOTTINGHAM &
BARRINGTON, NH
SCALE: 1" = 500' ±

LINE SYMBOLS:

SSL () ~ [SIZE]	SINGLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
DSL () ~ [SIZE]	DOUBLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
SSB () ~ [SIZE]	SINGLE SOLID W/ BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
SBL () ~ [SIZE]	SINGLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
DBL () ~ [SIZE]	DOUBLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)

SIGN ID NUMBER	SIGN SIZE (WIDTH x HEIGHT)	SIGN	TEXT DIMENSIONS	NO. OF SIGNS	BACKGROUND	LEGEND	BORDER	POST SIZE & QUANTITY
R1-1	30"x30"		SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	RED	WHITE	WHITE	SQUARE (1)
R2-1	24"x30"		SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE	GREEN	GREEN	SQUARE (1)
R8-31	12"x18"		SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	2	WHITE	RED	RED	SQUARE (2)
W14-2	30"x30"		SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	YELLOW	BLACK	BLACK	SQUARE (1)

ABUTTERS WITHIN 200':

N/F LANDRY, DAVID & DINA
114 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 1964, PAGE 453
TAX MAP 267, LOT 15

N/F MERCIER, DAVID & LORRAINE
96 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 2249, PAGE 749
TAX MAP 267, LOT 16

N/F WHITEMAN, JASON T.
86 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4326, PAGE 463
TAX MAP 267, LOT 17

N/F NEVISH, KEITH & DEBBIE
84 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 1972, PAGE 190
TAX MAP 267, LOT 18

N/F KEARNEY, FAYE & KEVIN
80 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 3722, PAGE 524
TAX MAP 267, LOT 19

ABUTTERS WITHIN 200' CONT'D:

N/F AL-HOJERRY, KEENAN
7 SINCLAIR DRIVE
EXETER, NH 03833
S.C.R.D. BOOK 4452, PAGE 364
TAX MAP 269, LOT 4

N/F LAMONTAGNE, JOHN & RUTH
124 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 1584, PAGE 749
TAX MAP 269, LOT 6

N/F SCERBINSKI, JARED
122 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4076, PAGE 394
TAX MAP 269, LOT 6

ABUTTERS WITHIN 200' CONT'D:

N/F PLANTE, BRIAN J.
42 OLD TURNPIKE ROAD
NOTTINGHAM, NH 03290
R.C.R.D. BOOK 5266, PAGE 685
TAX MAP 6, LOT 19

N/F STATE OF NEW HAMPSHIRE
DES WATER RESOURCES DIVISION
PO BOX 95
CONCORD, NH 03302
TAX MAP 6, LOT 21

N/F DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
R.C.R.D. BOOK 5977, PAGE 2799
TAX MAP 6, LOT 22-1, 22-2 & 22-3

NEIGHBORHOOD PLAN LAND OF DOMUS DEVELOPERS INC. ROUTE 4 / OLD TURNPIKE ROAD NOTTINGHAM, N.H. TAX MAP 6, LOT 22	#1	8-15-19	FINALIZE PER PEER REVIEWS
	REVISION	DATE	DESCRIPTION

NEIGHBORHOOD PLAN
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : AS SHOWN
DATE : JUNE 3, 2019
FILE NO. : DB 2018 - 030

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 1424
LICENSED PROFESSIONAL ENGINEER

SHEET 1 OF 29

N/F NEVISH, KEITH & DEBBIE
84 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 1972, PAGE 190
GENERAL RESIDENTIAL ZONE
TAX MAP 267, LOT 18

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

N/F WHITEMAN, JASON T.
88 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4326, PAGE 463
GENERAL RESIDENTIAL ZONE
TAX MAP 267, LOT 17

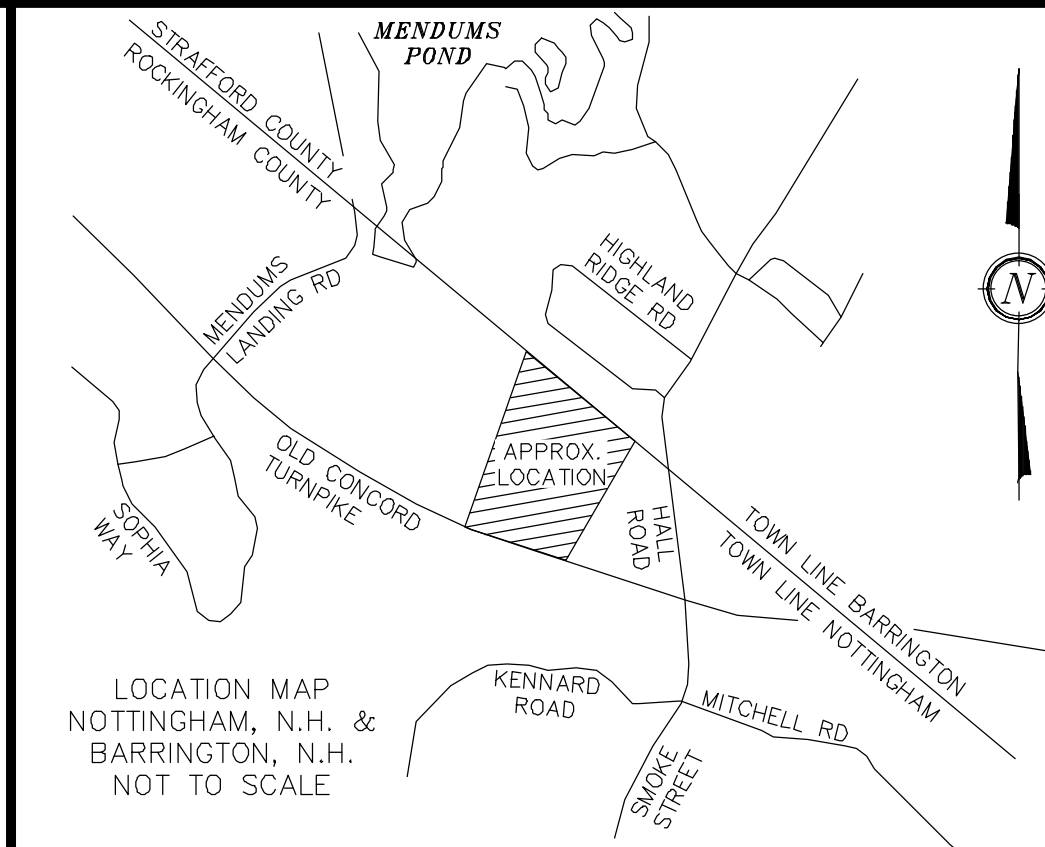
N/F MERCIER, DAVID & LORRAINE
96 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 2249, PAGE 749
GENERAL RESIDENTIAL ZONE
TAX MAP 267, LOT 16

N/F LANDRY, DAVID & DINA
114 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 1964, PAGE 453
GENERAL RESIDENTIAL ZONE
TAX MAP 269, LOT 15

N/F SCERBINSKI, JARED
122 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4076, PAGE 394
GENERAL RESIDENTIAL ZONE
TAX MAP 269, LOT 6

N/F LAMONTAGNE, JOHN & RUTH
124 HIGHLAND RIDGE ROAD
BARRINGTON, NH 03825
S.C.R.D. BOOK 4452, PAGE 749
GENERAL RESIDENTIAL ZONE
TAX MAP 269, LOT 5

N/F AL-HOJERRY, KEENAN
7 SINCLAIR DRIVE
EXETER, NH 03833
S.C.R.D. BOOK 4452, PAGE 364
GENERAL RESIDENTIAL ZONE
TAX MAP 269, LOT 4



NOTES:

- OWNER: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
- TAX MAP 6, LOT 22
- LOT AREA: 1,164,698 Sq. Ft. 26.74 Ac. BUILDABLE UPLAND: 711,505 Sq. Ft. 16.33 Ac.
- TOTAL CONTIGUOUS BUILDING AREA FREE OF SETBACK, SLOPES AND WETLANDS SETBACKS = 411,407 Sq.Ft.
- R.C.R.D. BOOK 5977, PAGE 2799
- ZONING: COMMERCIAL/INDUSTRIAL DISTRICT & RESIDENTIAL/AGRICULTURAL DISTRICT FRONTAGE ~ 200.0' MINIMUM LOT SIZE ~ 87,120 SQ. FT. FRONT SETBACK ~ 50.0' REAR SETBACK ~ 50.0' SIDE SETBACK ~ 50.0' WETLANDS SETBACK ~ 50.0' POORLY DRAINED WETLANDS SETBACK ~ 75.0' VERY POORLY DRAINED MULTI FAMILY FRONTAGE ~ 300.0' FRONT SETBACK ~ 100.0' BOUNDARY BUFFER ~ 100.0' BUILDING AREA ~ 30,000 Sq.Ft. / UNIT TOTAL AREA ~ 2 Ac. / UNIT
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAN FLOOD HAZARD REF.: FEMA COMMUNITY# - 330137, MAP# - 33015C0115E & MAP# - 33015C0120E, DATED: MAY 17, 2005
- VERTICAL DATUM BASED ON NAVD83 ELEVATIONS, HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
- THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN AUGUST OF 2018, WITH AN ERROR OF CLOSURE OF 1 PART IN 11,922
- TOPOGRAPHIC SURVEY PERFORMED BY THIS OFFICE IN SUMMER OF 2018. EXISTING CONTOURS ARE PROVIDED AT 2' INTERVALS.
- THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON TAX MAP 6, LOT 22 AS OF THE DATE OF THIS PLAN.
- THIS IS CURRENTLY A VACANT LOT.
- SEE CORRESPONDING SUBDIVISION PLANS FOR FURTHER BOUNDARY DETAILS.

LEGEND:

- GRANITE BOUND ~TBS~
- 3/4" REBAR W/ ID CAP ~TBS~
- DRILL HOLE ~FND~
- IRON PIPE ~FND~
- IRON BOUND ~FND~
- NH HIGHWAY BOUND ~FND~
- UTILITY POLE
- ⊕ TEMPORARY BENCH MARK (T.B.M.)
- ⊙ TEST PIT
- ⊙ LEDGE PROBE
- ⊙ BLAZED/PAINTED TREE
- NRCS SOIL DELINEATION LINE
- STONE WALL
- POORLY DRAINED WETLAND LINE
- VERY POORLY DRAINED WETLAND LINE
- WETLAND SETBACK 50' TO POORLY DRAINED
- WETLAND SETBACK 75' TO VERY POORLY DRAINED
- BUILDING SETBACK LINE
- EASEMENT LINE
- ZONING DISTRICT LINE
- AREA OF 25% OR GREATER SLOPE
- R.C.R.D. ROCKINGHAM COUNTY REGISTRY OF DEEDS
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- TYP. TYPICAL
- FND. FOUND

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND OF THE TOWN OF NOTTINGHAM, N.H. - 1:10,000 - 8-21-19
KENNETH A. BERRY LLS 805 DATE

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

EXISTING CONDITIONS PLAN
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 100 FT.
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030

- JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL, LLC IN SEPTEMBER OF 2018 UTILIZING THE FOLLOWING STANDARDS:
- FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 2.0, 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
 - FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 3, APRIL 2004. NEWPPCC WETLANDS WORKGROUP, WILMINGTON, MA 01887.
 - NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 3.1.0 (HTTP://WETLAND.PLANTS.USDA.ARMY.MIL). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, OLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
 - STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST. LOUHAR, R.W., M. BUTTERMICH, N.C. MELVIN, AND W.A. KRIGER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-411-42.
 - CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, JANUARY 1987. WETLANDS RESEARCH PROGRAM TECHNICAL REPORT 7-87-1.
 - REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, NORTH-CENTRAL AND NORTHEAST REGION, JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS. ENVIRONMENTAL LABORATORY (EDC)/ELTR-12-1.
 - CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, DECEMBER 1979. L. COMAROMI, V. CARTER, F. COLE, AND E. LAROE. U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE. FWS/OBS-79/31.

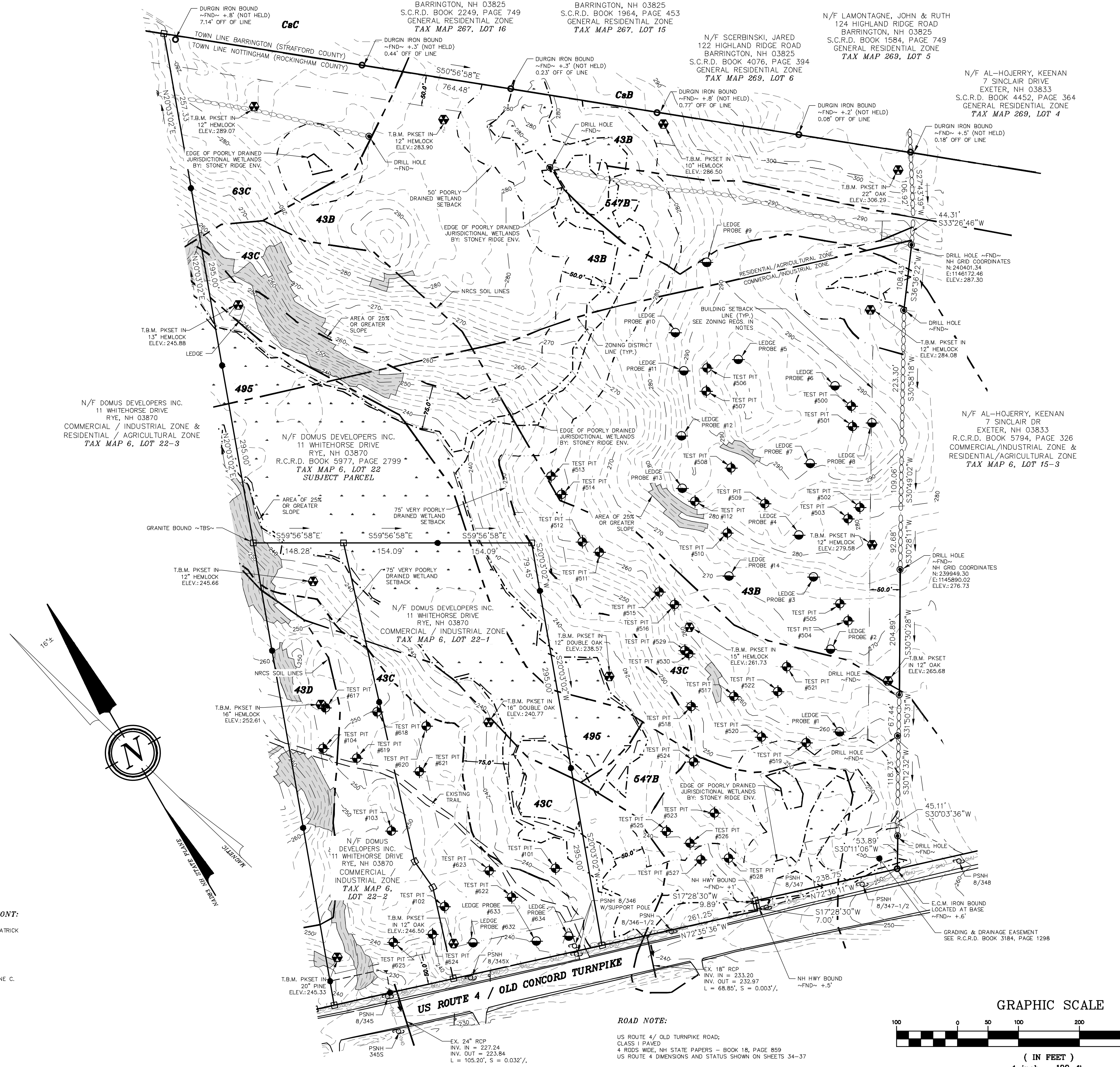
SOILS:

43B - CANTON FINE SANDY LOAM, 0 TO 8% SLOPES, VERY STONY
43C - CANTON FINE SANDY LOAM, 8 TO 15% SLOPES, VERY STONY
43D - CANTON FINE SANDY LOAM, 15 TO 25% SLOPES, VERY STONY
63C - CHARLTON FINE SANDY LOAM, 8 TO 15% SLOPES, VERY STONY
48S - NATIONAID MUCK PEAT, 0 TO 2% SLOPES
547B - WALPOLE VERY FINE SANDY LOAM, 0 TO 3% SLOPES, VERY STONY
C6B - CHARLTON FINE SANDY LOAM, 3 TO 8% SLOPES, VERY STONY
C6C - CHARLTON FINE SANDY LOAM, 8 TO 15% SLOPES, VERY STONY

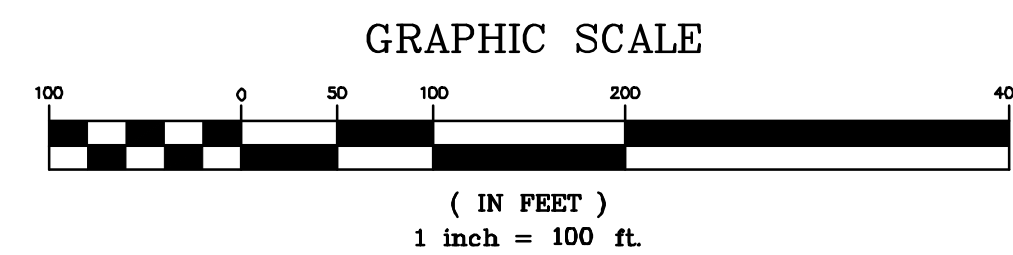
SEE WEBSOL USDA-NRCS
SEE SITE SPECIFIC SOILS MAP

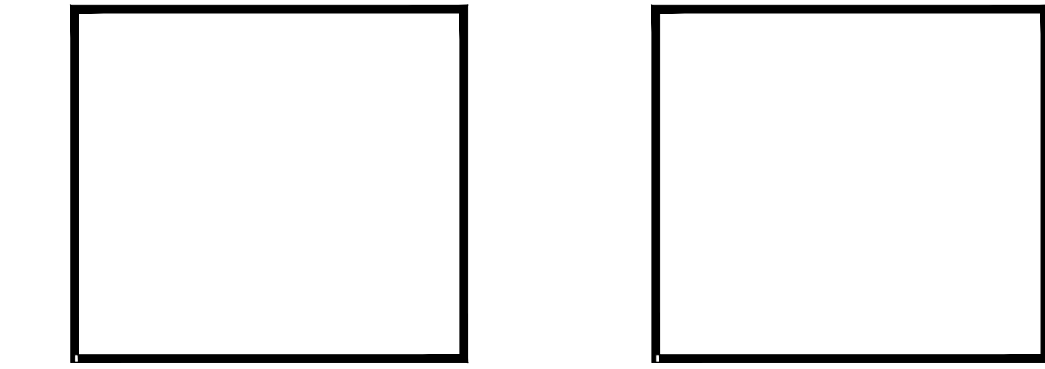
- PLAN REFERENCES:**
- "SUBDIVISION PLAN, LAND OF DOMUS DEVELOPERS INC. ROUTE 4 / OLD TURNPIKE ROAD NOTTINGHAM, N.H. TAX MAP 6, LOT 22" BY: BERRY SURVEY & ENGINEERING DATED: MARCH 4, 2019 R.C.R.D. PLAN #XXX-XXX ON FILE AT THIS OFFICE. #DB 2018 - 030
 - "WETLANDS RESERVE PROGRAM CONSERVATION EASEMENT MRP CONTRACT #NH016, BARRINGTON TAX MAP 269, LOTS 4 & 7, (STAFFORD COUNTY) NOTTINGHAM TAX MAP 6, LOTS 15, 2 & 22 (ROCKINGHAM COUNTY) NH ROUTE 4, MCDANEL ROAD, HALL ROAD & TWO MILE ROAD, BARRINGTON, NH, OWNERS: WALDRON B. HALEY REVOCABLE TRUST OF 1998 & GRACE M. HALEY REVOCABLE TRUST OF 1998" PAGE 1 & 2 OF 2 BY: ERIC C. MITCHELL & ASSOCIATED, INC DATED: MARCH 8, 2011 R.C.R.D.: D-36871 S.C.R.D.: PLAN # 102-58
 - "BOUNDARY PLAN OF LAND, TAX MAP 6 LOT 15.3, NH ROUTE 4 & MCDANEL ROAD, NOTTINGHAM, NH" BY: ERIC C. MITCHELL & ASSOCIATED, INC. DATED: JANUARY 5, 2016 R.C.R.D.: PLAN # D-39260
 - "PLOT PLAN" SHEET 1 & 2 OF 2 BY: THOMAS J. RAYMOND DATED: FEBRUARY 24, 2000 R.C.R.D.: PLAN # D-28003
 - "THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY PLANS OF PROPOSED SURFACE TRANSPORTATION PROJECT, SIP-F-012-2(36), N.H. PROJECT NO. 11144, ROUTE 4 / SMOKE STREET / HALL ROAD INTERSECTION" SHEETS 1-5 OF 5 BY: THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION DATED: SEPTEMBER 4, 1986 R.C.R.D." PLAN # D-25081
 - "FINAL SUBDIVISION OF LAND -HIGHLAND RIDGE" FOR HIGHLAND GROUP OF BARRINGTON, BARRINGTON, NEW HAMPSHIRE" BY: DURON/SCHOFIELD ASSOCIATES DATED: JUNE 18, 1987 S.C.R.D.: PLAN #31A-40
 - "SUBDIVISION OF LAND FOR R. MINESINGER IN NOTTINGHAM, N.H." BY: BRUCE L. POHOPEK DATED: JUNE 11, 1986 R.C.R.D.: PLAN # D-16695
 - AS BUILT PLANS, GENERAL PLANS" SHEETS 17 & 18 OF 45 BY: NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION PLANS NOT DATED PLANS ON FILE AT THIS OFFICE
 - PLAN OF ROUTE 4, NOTTINGHAM, N.H. BY: NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION DATED: AUGUST 1, 1973 PLAN ON FILE AT THIS OFFICE

- ADJUTERS ACROSS ROAD:**
- N/F BURGESS, HOLLIS & ROBERTSON, KAREN 103 SOUTH STREET CONCORD, NH 03301 R.C.R.D. BOOK 3386, PAGE 999 COMMERCIAL/INDUSTRIAL ZONE TAX MAP 6, LOT 16
- N/F TUCCOLO, ANDREA & MALAISIA, PATRICK 32 OLD TURNPIKE ROAD NOTTINGHAM, NH 03290 R.C.R.D. BOOK 5832, PAGE 2354 COMMERCIAL/INDUSTRIAL ZONE TAX MAP 6, LOT 17-3
- N/F D&L HANSON FAMILY REVOCABLE TRUST DAVID H. & LINDA R. HANSON TRUSTEES 28 OLD TURNPIKE ROAD NOTTINGHAM, NH 03290 R.C.R.D. BOOK 5679, PAGE 736 COMMERCIAL/INDUSTRIAL ZONE TAX MAP 6, LOT 17-1
- N/F LOUPEE, STEPHANIE 30 OLD TURNPIKE ROAD R.C.R.D. NOTTINGHAM, NH 03290 BOOK 4109, PAGE 37 COMMERCIAL/INDUSTRIAL ZONE TAX MAP 6, LOT 17-2
- ADJUTERS ACROSS ROAD CONT:**
- N/F TUCCOLO, ANDREA & MALAISIA, PATRICK 32 OLD TURNPIKE ROAD NOTTINGHAM, NH 03290 R.C.R.D. BOOK 5832, PAGE 2354 COMMERCIAL/INDUSTRIAL ZONE TAX MAP 6, LOT 17-3
- N/F HOVANASIAN, KAREN L. & CHARLENE C. PO BOX 412 HAMILTON, MA 01936 R.C.R.D. BOOK 2739, PAGE 657 COMMERCIAL/INDUSTRIAL ZONE TAX MAP 6, LOT 17-4



ROAD NOTE:
US ROUTE 4 / OLD TURNPIKE ROAD;
CLASS I PAVED
4 RDS WIDE, NH STATE PAPERS - BOOK 18, PAGE 859
US ROUTE 4 DIMENSIONS AND STATUS SHOWN ON SHEETS 34-37





STONE RIDGE ENVIRONMENTAL, LLC. STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61 CYNTHIA BALCIUS, CSS #84

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN SEPTEMBER OF 2018 UTILIZING THE FOLLOWING STANDARDS:

- 1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0, 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
- 2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 3, APRIL 2004. NEWPPCC WETLANDS WORKGROUP. WILMINGTON, MA 01887.
- 3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.ML). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
- 4) STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST. LICHVAR, R.W., M. BUTTERWICH, N.C. MELVIN, AND W.N. KIRCHNER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-41; 1-42.
- 5) CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, JANUARY 1987. WETLANDS RESEARCH PROGRAM TECHNICAL REPORT Y-87-1.
- 6) REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS, ENVIRONMENTAL LABORATORY ERDC/EL TR-12-1.
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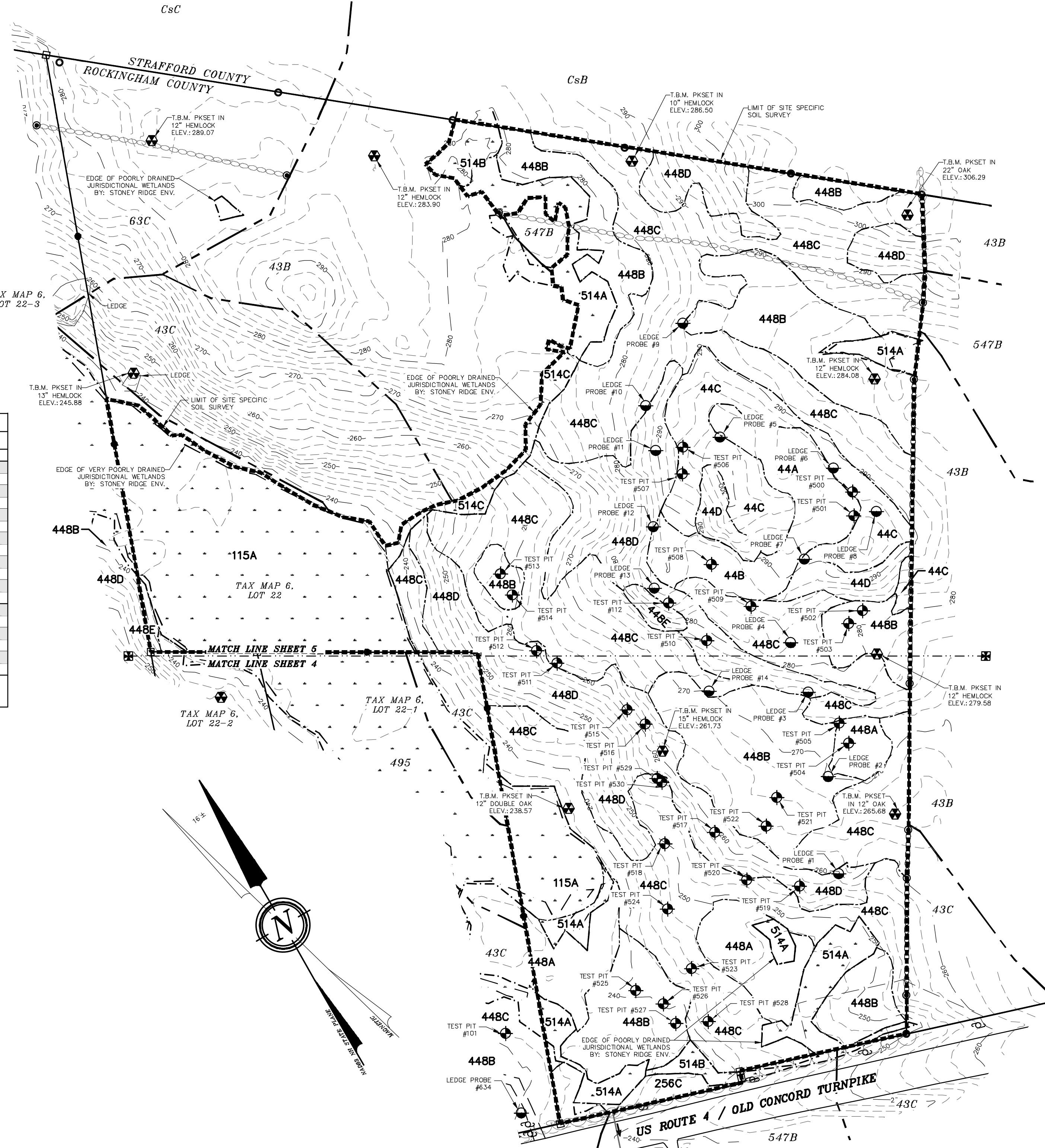
SOILS LEGEND			
SYMBOL	SOIL TAXONOMIC NAME	HYDROLOGIC SOIL GROUP	
256B	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2	
256C	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2	
256D	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2	
256E	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2	
256F	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2	
44A	MONTAUK FINE SANDY LOAM	C/3	
44B	MONTAUK FINE SANDY LOAM	C/3	
44C	MONTAUK FINE SANDY LOAM	C/3	
44D	MONTAUK FINE SANDY LOAM	C/3	
44E	MONTAUK FINE SANDY LOAM	C/3	
448A	SCITUATE FINE SANDY LOAM	C/3	
448B	SCITUATE FINE SANDY LOAM	C/3	
448C	SCITUATE FINE SANDY LOAM	C/3	
448D	SCITUATE FINE SANDY LOAM	C/3	
448E	SCITUATE FINE SANDY LOAM	C/3	
514A	LEICESTER FINE SANDY LOAM	C/5	
514B	LEICESTER FINE SANDY LOAM	C/5	
514C	LEICESTER FINE SANDY LOAM	C/5	
115A	SCARBORO FINE SANDY LOAM	D/6	

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

OFF-SITE SOIL TYPE :

ROCKINGHAM COUNTY
43B ~ CANTON FINE SANDY LOAM, 0-8% SLOPES, VERY STONY
43C ~ CANTON FINE SANDY LOAM, 8-15% SLOPES, VERY STONY
63C ~ CHARLTON FINE SANDY LOAM, 8-15% SLOPES, VERY STONY
495 ~ NATCHAUG MUCK PEAT, 0 TO 2% SLOPES
647B ~ WALPOLE VERY FINE SANDY LOAM, 0 TO 3% SLOPES, VERY STONY
STRAFFORD COUNTY
CsB ~ CHARLTON FINE SANDY LOAM, 3-8% SLOPES, VERY STONY
CsC ~ CHARLTON FINE SANDY LOAM, 8-15% SLOPES, VERY STONY

SEE WEBSOIL USDA/NRCS

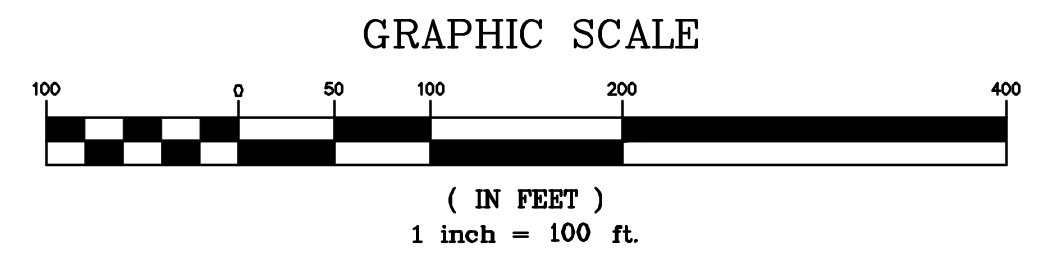


- NOTES:
- 1.) OWNER: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
 - 1A.) APPLICANT: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
 - 2.) TAX MAP 6, LOT 22
 - 3.) LOT AREA: 1,164,698 Sq. Ft. 26.74 Ac.
 - 4.) R.C.R.D. BOOK 5977, PAGE 2799
 - 5.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# - 330137, MAP# - 33015C0115E & MAP# - 33015C0120E, DATED: MAY 17, 2005
 - 6.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
 - 7.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN AUGUST OF 2018, WITH AN ERROR OF CLOSURE OF 1 PART IN 11,922.
 - 8.) TOPOGRAPHIC SURVEY PERFORMED BY THIS OFFICE IN SUMMER OF 2018. EXISTING CONTOURS ARE PROVIDED AT 2' INTERVALS.
 - 9.) THE INTENT OF THIS PLAN IS TO REPRESENT THE SITE SPECIFIC SOILS ON TAX MAP 6, LOT 22 AS OF THE DATE OF THIS PLAN.

LEGEND:

⊙	DRILL HOLE (FND)
○	IRON PIPE (FND)
○	IRON BOUND (FND)
○	NH HIGHWAY BOUND (FND)
○	UTILITY POLE/GUY WIRE
○	LEDGE PROBE
○	TEST HOLE
○	BENCHMARK
—	STONE WALL
—	WETLAND LINE
—	EXISTING CONTOUR MINOR
—	EXISTING CONTOUR MAJOR
—	OFF SITE NRCS SOIL LINE
—	SOIL LINE
—	LIMIT OF SOIL SURVEY
—	MATCH LINE/MATCH POINT

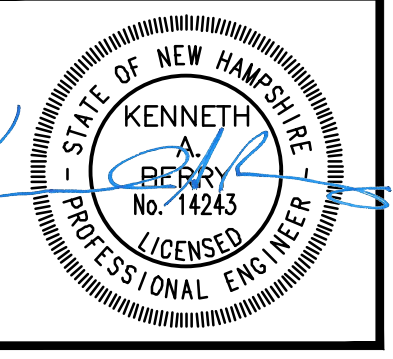
448A SOIL SERIES
 43B NRCS SOIL LABEL
 S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
 R.C.R.D. ROCKINGHAM COUNTY REGISTRY OF DEEDS
 TYP. TYPICAL
 FND FOUND
 TBA TO BE ABANDONED

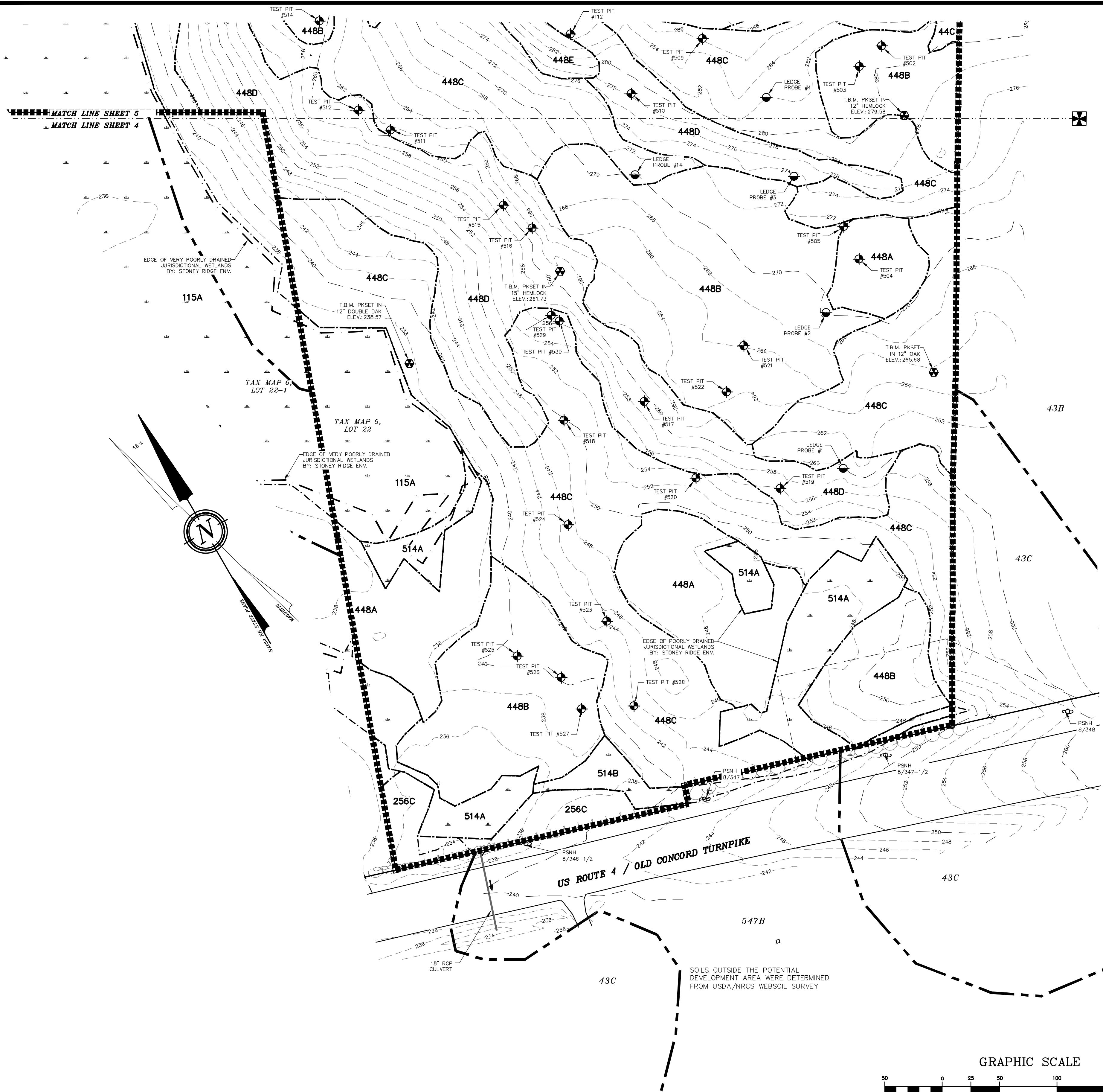


REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

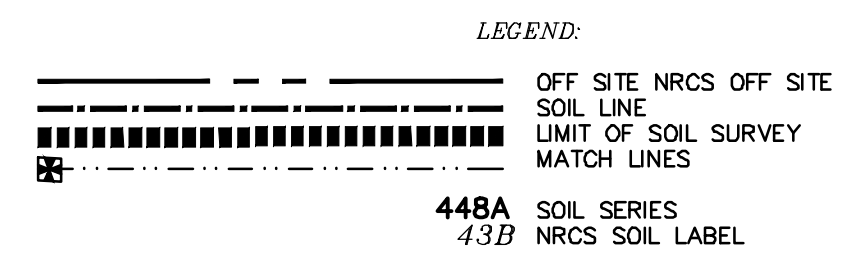
SITE SPECIFIC SOILS MAP OVERVIEW
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 100 FT.
 DATE : JUNE 3, 2019
 FILE NO. : DB 2018 - 030





- NOTES:**
- 1.) OWNER: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
 - 1A.) APPLICANT: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
 - 2.) TAX MAP 6, LOT 22
 - 3.) LOT AREA: 1,164,698 Sq. Ft. 26.74 Ac.
 - 4.) R.C.R.D. BOOK 5977, PAGE 2799
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OFF-SITE SOIL TYPE :

ROCKINGHAM COUNTY

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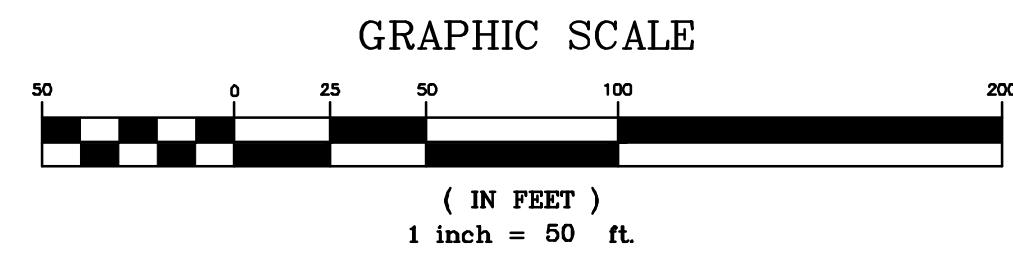
SEE WEBSOIL USDA/NRCS

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256E	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2
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448C	SCITUATE FINE SANDY LOAM	C/3
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STONEY RIDGE ENVIRONMENTAL, LLC. STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61 CYNTHIA BALCIUS, CSS #84

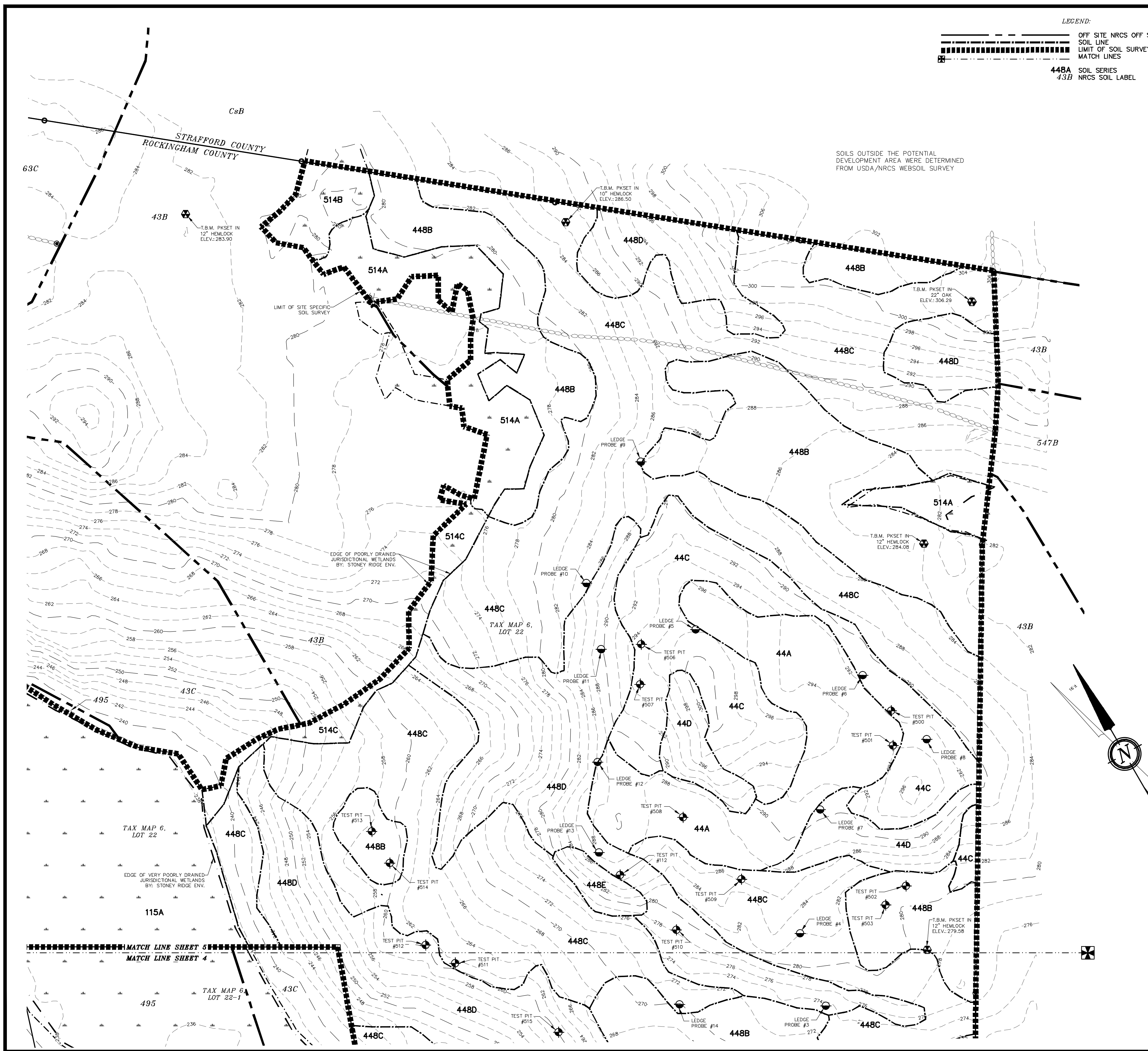
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REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

SITE SPECIFIC SOILS MAP - NORTHWEST
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 3, 2019
FILE NO. : DB 2018 - 030



LEGEND:
 --- OFF SITE NRCS OFF SITE
 --- SOIL LINE
 --- LIMIT OF SOIL SURVEY
 --- MATCH LINES
 448A SOIL SERIES
 43B NRCS SOIL LABEL

SOILS OUTSIDE THE POTENTIAL DEVELOPMENT AREA WERE DETERMINED FROM USDA/NRCS WEBSOIL SURVEY

- NOTES:**
- 1.) OWNER: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
 - 1A.) APPLICANT: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
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STRAFFORD COUNTY
 CSB ~ CHARLTON FINE SANDY LOAM, 3-8% SLOPES, VERY STONY
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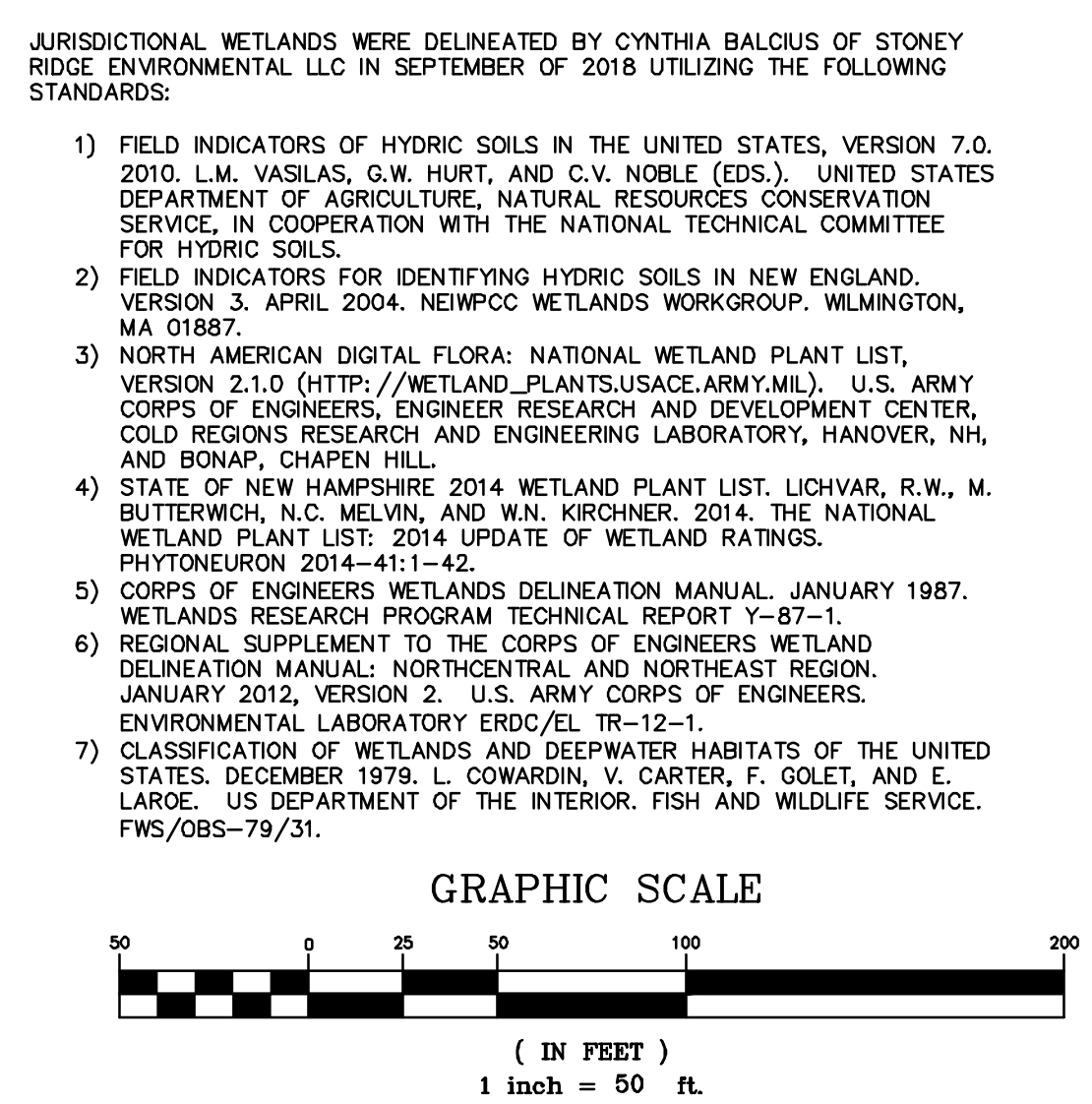
SOILS LEGEND		
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256C	CHATFIELD (WELL DRAINED)-CANTON COMPLEX (70/30)	B/4/2
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STONEY RIDGE ENVIRONMENTAL, LLC. STONEY RIDGE ENVIRONMENTAL, LLC.
 CYNTHIA BALCIUS, CWS #61 CYNTHIA BALCIUS, CSS #84

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- 3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.MIL). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
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 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 50 FT.
 DATE : JUNE 3, 2019
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STATE OF NEW HAMPSHIRE
 KENNETH A. BERRY
 No. 14243
 LICENSED PROFESSIONAL ENGINEER

SHEET 5 OF 29

LEDGE PROBE #1
 0-4" 10YR 3/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-20" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-40" 10YR 5/4, FINE LOAMY SAND, SINGLE GRAN, FRIABLE
 40-48" 2.5YR 6/4, FINE SAND, SINGLE GRAN, FIRM
 TERMINATED @ 48"
 E.S.H.W.T @ N/A
 REFUSAL @ 48", LEDGE
 NO GROUND WATER OBSERVED
 ROOTS TO 40"

LEDGE PROBE #2
 0-5" 10YR 2/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-18" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
 18-36" 10YR 6/2, FINE SAND, SINGLE GRAN, LOOSE IN HAND
 36-66" 2.5YR 4/4, FINE LOAMY SAND, PLATY, FIRM
 TERMINATED @ 66"
 E.S.H.W.T @ 36" FIRM REST
 REFUSAL @ 66", PARALYTHIC LEDGE
 NO GROUND WATER OBSERVED
 ROOTS TO 40"

LEDGE PROBE #3
 0-4" 10YR 2/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-20" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-32" 10YR 5/4, FINE LOAMY SAND, GRANULAR, FRIABLE
 32-60" 2.5YR 6/2, FINE SAND, GRANULAR, FIRM
 TERMINATED @ 60"
 E.S.H.W.T @ 27"
 REFUSAL @ 80", LEDGE
 NO GROUND WATER OBSERVED
 ROOTS TO 24"

LEDGE PROBE #4
 TERMINATED @ 90"
 E.S.H.W.T @ N/A
 REFUSAL @ 90", PARALYTHIC LEDGE
 NO GROUND WATER OBSERVED

LEDGE PROBE #5
 TERMINATED @ 60"
 REFUSAL @ 60", SHALEY LEDGE

LEDGE PROBE #6
 TERMINATED @ 90"
 REFUSAL @ 90", LEDGE

LEDGE PROBE #7
 TERMINATED @ 72"
 REFUSAL @ 72", LEDGE

LEDGE PROBE #8
 TERMINATED @ 56"
 REFUSAL @ 56", LEDGE

LEDGE PROBE #9
 TERMINATED @ 54"
 REFUSAL @ 54", LEDGE

LEDGE PROBE #10
 TERMINATED @ 44"
 REFUSAL @ 44", LEDGE

LEDGE PROBE #11
 TERMINATED @ 48"
 REFUSAL @ 48", LEDGE

LEDGE PROBE #12
 TERMINATED @ 48"
 REFUSAL @ 48", LEDGE

LEDGE PROBE #13
 TERMINATED @ 36"
 REFUSAL @ 36", LEDGE

LEDGE PROBE #14
 TERMINATED @ 64"
 NO LEDGE OBSERVED

LEDGE PROBE #534
 E.S.H.W.T @ 31"
 NO LEDGE
 HIGHER LOAM CONTENT

TEST PIT #101
 0-4" 10YR 2/1, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-3" 10YR 4/3, FINE SANDY LOAM, GRANULAR, FRIABLE
 9-13" 2.5Y 4/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 13-18" 10YR 3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
 18-42" 10YR 2/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 REDOX: 15% COBBLES
 42-77" 2.5Y 4/2, VERY FINE SANDY LOAM, GRANULAR, VERY FRIABLE
 REDOX: 10YR 5/8, COMMON & DISTINCT MOTTLES
 2.5Y 5/1, COMMON & DISTINCT MOTTLES
 TERMINATED @ 77"
 E.S.H.W.T @ 42"
 RESTRICTIVE LAYER: N/A
 REFUSAL > 77"
 GROUND WATER OBSERVED @ 48"
 ROOTS TO 24"

TEST PIT #112
 0-5" 10YR 2/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-26" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
 26-38" 2.5Y 6/4, FINE SAND, SINGLE GRAN, LOSE
 REDOX: PAN, 10% GRAVEL
 38-48" 2.5Y 6/4, SAND, FRIABLE, FIRM
 TERMINATED @ 48"
 E.S.H.W.T > 48"
 RESTRICTIVE LAYER: PAN @ 26"
 REFUSAL: @ 48"
 GROUND WATER OBSERVED > 48"
 ROOTS TO 35"

TEST PIT #113
 0-5" 10YR 2/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-26" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
 26-38" 2.5Y 6/4, FINE SAND, SINGLE GRAN, LOSE
 REDOX: PAN, 10% GRAVEL
 38-48" 2.5Y 6/4, SAND, FRIABLE, FIRM
 TERMINATED @ 48"
 E.S.H.W.T > 48"
 RESTRICTIVE LAYER: PAN @ 26"
 REFUSAL: @ 48"
 GROUND WATER OBSERVED > 48"
 ROOTS TO 35"

TEST PIT #114
 0-5" 10YR 2/2, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-26" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
 26-38" 2.5Y 6/4, FINE SAND, SINGLE GRAN, LOSE
 REDOX: PAN, 10% GRAVEL
 38-48" 2.5Y 6/4, SAND, FRIABLE, FIRM
 TERMINATED @ 48"
 E.S.H.W.T > 48"
 RESTRICTIVE LAYER: PAN @ 26"
 REFUSAL: @ 48"
 GROUND WATER OBSERVED > 48"
 ROOTS TO 35"

TEST PIT #500
 0-8" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 8-27" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 27-48" 10YR 4/6, DARK YELLOWISH BROWN, FINE LOAMY SAND, SINGLE GRAN, FRIABLE
 48" 15% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 27"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 30"

TEST PIT #501
 0-4" 10YR 3/4, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-26" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 26-52" 2.5Y 5/4, LIGHT OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 10% REDOX COMMON AND DISTINCT
 TERMINATED @ 52"
 E.S.H.W.T @ 26"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 NO ROOTS

TEST PIT #502
 0-5" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-20" 10YR 4/4, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-27" 10YR 5/8, YELLOWISH BROWN, VERY FINE SANDY LOAM, GRANULAR, FRIABLE
 27-52" 10YR 6/4, LIGHT YELLOWISH BROWN, COARSE SAND, GRANULAR, LOOSE
 15% REDOX COMMON AND DISTINCT
 TERMINATED @ 52"
 E.S.H.W.T @ 27"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 27"

TEST PIT #503
 0-5" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-25" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 25-55" 2.5Y 4/4, OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 10% REDOX COMMON AND DISTINCT
 TERMINATED @ 55"
 E.S.H.W.T @ 25"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 25"

TEST PIT #504
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-24" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 24-54" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 54-54" 20% REDOX COMMON AND DISTINCT
 TERMINATED @ 54"
 E.S.H.W.T @ 24"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 22"

TEST PIT #505
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-17" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 17-49" 2.5Y 4/4, OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 5% REDOX COMMON AND DISTINCT
 TERMINATED @ 49"
 E.S.H.W.T @ 17"
 NO REFUSAL
 GROUND WATER OBSERVED @ 30"
 ROOTS TO 22"

TEST PIT #506
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-18" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 18-27" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 27-48" 2.5Y 4/4, OLIVE BROWN, FINE SAND, GRANULAR, FIRM IN HOLE/LOOSE IN HAND
 TERMINATED @ 48"
 E.S.H.W.T @ 24"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 22"

TEST PIT #507
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-12" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 12-24" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 24-48" 2.5Y 4/4, FINE SAND, GRANULAR, FIRM IN HOLE/LOOSE IN HAND
 15% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 27"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 27"

TEST PIT #508
 LARGE BOULDERS TO 48"
 COARSE SAND BELOW
 TERMINATED @ 96"
 E.S.H.W.T @ 26"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 NO ROOTS

TEST PIT #509
 NO BOULDERS
 COARSE SAND BELOW 48"
 RIPPLE LEDGE @ 96 +/-
 TERMINATED @ 96 +/-
 E.S.H.W.T @ 22"
 REFUSAL @ 96 +/-, LEDGE
 NO GROUND WATER OBSERVED
 NO ROOTS

TEST PIT #510
 RESTRICTIVE @ 20"
 RIPPLE LEDGE @ 74 +/-
 TERMINATED @ 74 +/-
 E.S.H.W.T @ 20"
 REFUSAL @ 74 +/-, LEDGE
 NO GROUND WATER OBSERVED
 NO ROOTS

TEST PIT #511
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-15" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 15-25" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 25-48" 2.5Y 4/4, OLIVE BROWN, FINE SAND, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 LEDGE
 10% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 25"
 REFUSAL @ 48", LEDGE
 NO GROUND WATER OBSERVED
 ROOTS TO 26"

TEST PIT #512
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-12" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 12-24" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 24-48" 2.5Y 4/4, OLIVE BROWN, FINE SAND, GRANULAR, FIRM IN HOLE/LOOSE IN HAND
 TERMINATED @ 48"
 E.S.H.W.T @ 24"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 NO ROOTS

TEST PIT #513
 0-3" 10YR 3/2, VERY DARK GRAYISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-21" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 21-48" 2.5Y 4/4, OLIVE BROWN, FINE LOAMY SAND, GRANULAR, SOMEWHAT FIRM IN HOLE/FRIABLE IN HAND
 10% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 21"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 22"

TEST PIT #514
 0-4" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-15" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 15-25" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 25-48" 2.5Y 4/4, OLIVE BROWN, FINE LOAMY SAND, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 TERMINATED @ 48"
 E.S.H.W.T @ 25"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 27"

TEST PIT #515
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-27" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 27-49" 10YR 4/6, DARK YELLOWISH BROWN, VERY FINE LOAMY SAND, MEDIUM BLOCKY, FIRM IN HOLE/FRIABLE IN HAND
 10% REDOX COMMON AND DISTINCT
 TERMINATED @ 49"
 E.S.H.W.T @ 27"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 29"

TEST PIT #516
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-14" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 14-25" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 25-48" 2.5Y 4/4, OLIVE BROWN, VERY FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 15% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 25"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 21"
 PERC - 8 MIN/IN

TEST PIT #517
 POSSIBLE LEDGE @ 74"
 COULD BE BOULDERS
 TERMINATED @ 74"
 E.S.H.W.T @ 26"
 REFUSAL @ 74", POSSIBLE LEDGE
 NO GROUND WATER OBSERVED
 NO ROOTS

TEST PIT #518
 0-5" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 5-20" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-48" 10YR 4/4, DARK YELLOWISH BROWN, FINE LOAMY SAND, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 TERMINATED @ 48"
 E.S.H.W.T @ 20"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 16"

TEST PIT #519
 RIPPLE BOLDER OR LEDGE FROM 20"
 EXTREMELY STONEY
 TERMINATED @ 48"
 E.S.H.W.T @ 24"
 REFUSAL @ 48", LEDGE
 NO GROUND WATER OBSERVED
 ROOTS TO 16"

TEST PIT #520
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-23" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 23-49" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 49" 10% REDOX COMMON AND DISTINCT
 TERMINATED @ 49"
 E.S.H.W.T @ 24"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 26"

TEST PIT #521
 0-4" 10YR 3/4, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-20" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-48" 2.5Y 4/4, OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 5% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 20"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 21"

TEST PIT #522
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-20" 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-48" 2.5Y 4/4, OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 TERMINATED @ 48"
 E.S.H.W.T @ 20"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 26"

TEST PIT #523
 RIPPLE LEDGE OR BOULDERS AROUND 76"
 TERMINATED @ 84"
 E.S.H.W.T @ 21"
 NO REFUSAL
 GROUND WATER OBSERVED @ 72"
 NO ROOTS

TEST PIT #524
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-24" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 24-48" 2.5Y 4/4, OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 TERMINATED @ 48"
 E.S.H.W.T @ 24"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 22"

TEST PIT #525
 0-4" 10YR 3/2, VERY DARK GRAYISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 4-18" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 18-48" 2.5Y 4/4, OLIVE BROWN, FINE LOAMY SAND, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
 15% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 18"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 22"

TEST PIT #526
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-20" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-48" 2.5Y 4/4, OLIVE BROWN, FINE LOAMY SAND, GRANULAR, VERY FIRM IN HOLE/FRIABLE IN HAND
 20% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 20"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 19"

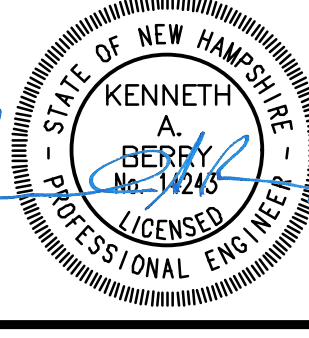
TEST PIT #527
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-20" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-48" 2.5Y 4/4, OLIVE BROWN, FINE LOAMY SAND, GRANULAR, VERY FIRM IN HOLE/FRIABLE IN HAND
 20% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 23"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 19"

TEST PIT #528
 0-3" 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 3-20" 10YR 4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
 20-48" 2.5Y 4/4, OLIVE BROWN, FINE LOAMY SAND, GRANULAR, VERY FIRM IN HOLE/FRIABLE IN HAND
 20% REDOX COMMON AND DISTINCT
 TERMINATED @ 48"
 E.S.H.W.T @ 23"
 NO REFUSAL
 NO GROUND WATER OBSERVED
 ROOTS TO 19"

TEST PIT DATA	
#1	8-15-19
FINALIZE PER PEER REVIEWS	DESCRIPTION
REVISION	DATE

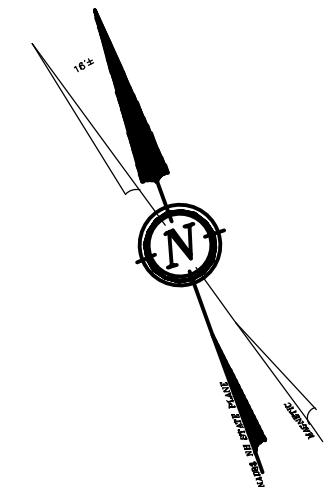
TEST PIT DATA
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : NONE
 DATE : JUNE 3, 2019
 FILE NO. : DB 2018 - 030

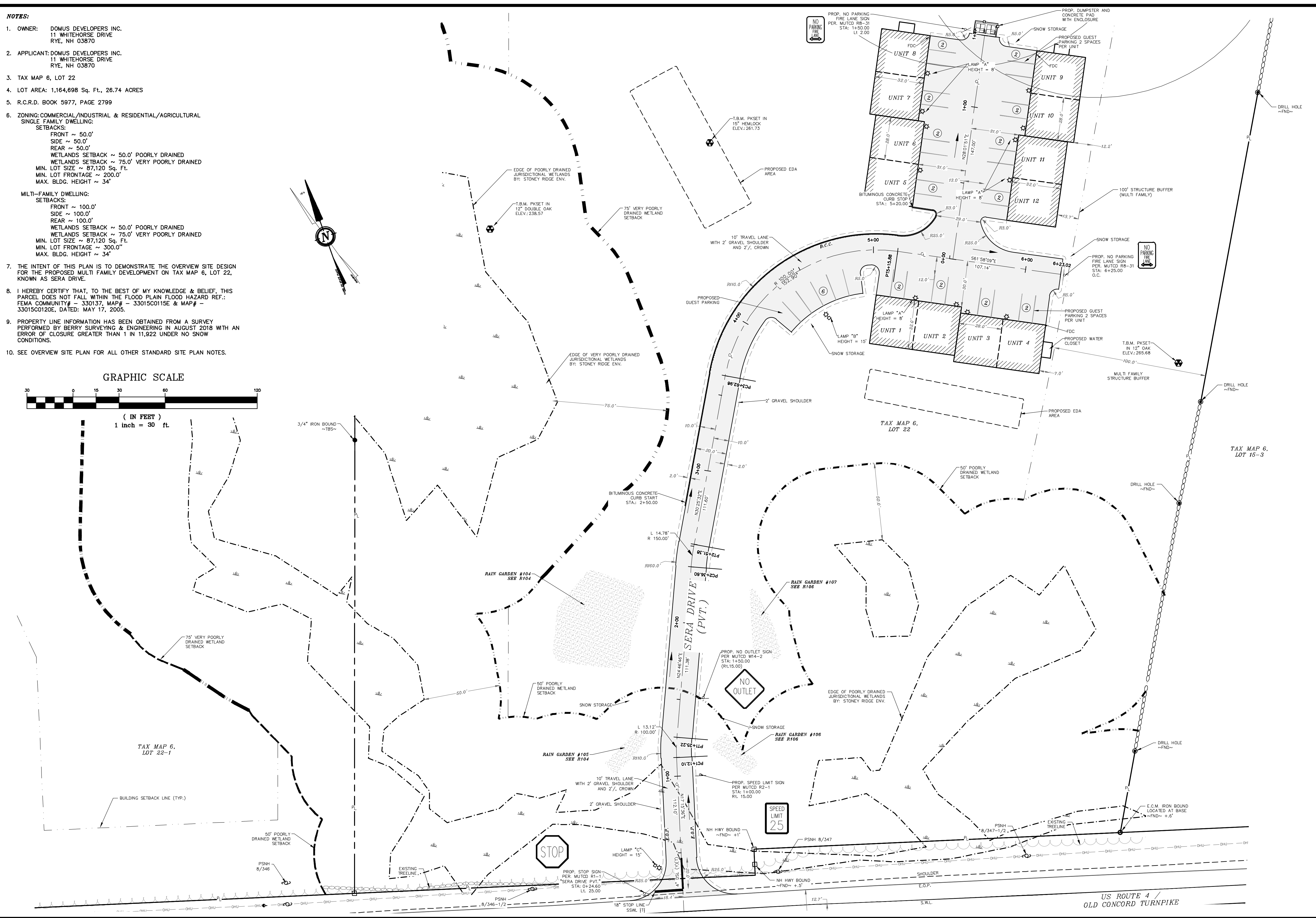
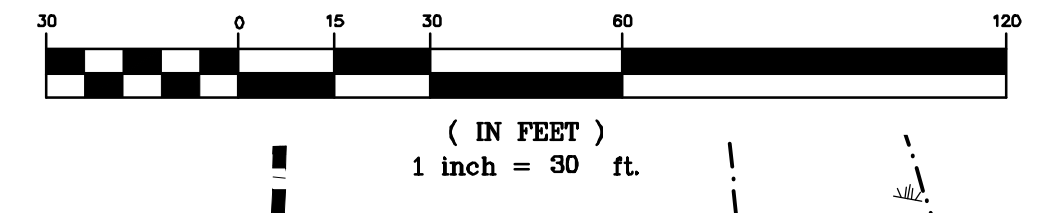


NOTES:

- OWNER: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
- APPLICANT: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
- TAX MAP 6, LOT 22
- LOT AREA: 1,164,698 Sq. Ft., 26.74 ACRES
- R.C.R.D. BOOK 5977, PAGE 2799
- ZONING: COMMERCIAL/INDUSTRIAL & RESIDENTIAL/AGRICULTURAL
SINGLE FAMILY DWELLING:
SETBACKS:
FRONT ~ 50.0'
SIDE ~ 50.0'
REAR ~ 50.0'
WETLANDS SETBACK ~ 50.0' POORLY DRAINED
WETLANDS SETBACK ~ 75.0' VERY POORLY DRAINED
MIN. LOT SIZE ~ 87,120 Sq. Ft.
MIN. LOT FRONTAGE ~ 200.0'
MAX. BLDG. HEIGHT ~ 34'
- MULTI-FAMILY DWELLING:
SETBACKS:
FRONT ~ 100.0'
SIDE ~ 100.0'
REAR ~ 100.0'
WETLANDS SETBACK ~ 50.0' POORLY DRAINED
WETLANDS SETBACK ~ 75.0' VERY POORLY DRAINED
MIN. LOT SIZE ~ 87,120 Sq. Ft.
MIN. LOT FRONTAGE ~ 300.0'
MAX. BLDG. HEIGHT ~ 34'
- THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE OVERVIEW SITE DESIGN FOR THE PROPOSED MULTI FAMILY DEVELOPMENT ON TAX MAP 6, LOT 22, KNOWN AS SERA DRIVE.
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# ~ 330137, MAP# ~ 33015C0115E & MAP# ~ 33015C0120E, DATED: MAY 17, 2005.
- PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN AUGUST 2018 WITH AN ERROR OF CLOSURE GREATER THAN 1 IN 11,922 UNDER NO SNOW CONDITIONS.
- SEE OVERVIEW SITE PLAN FOR ALL OTHER STANDARD SITE PLAN NOTES.



GRAPHIC SCALE



REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

SITE PLAN SERA DRIVE
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

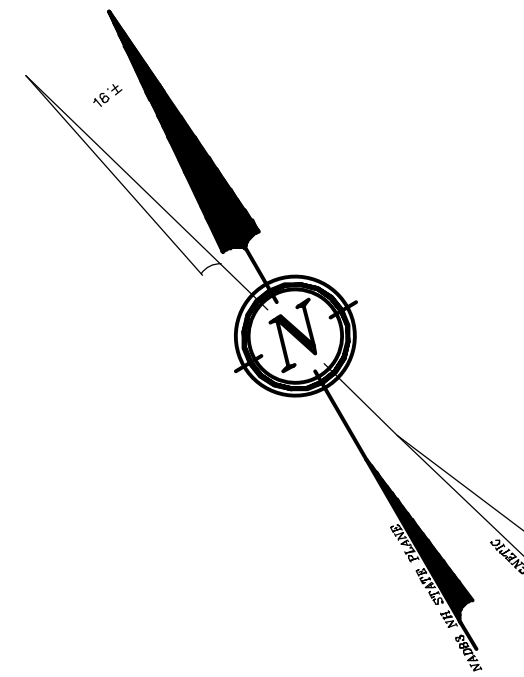
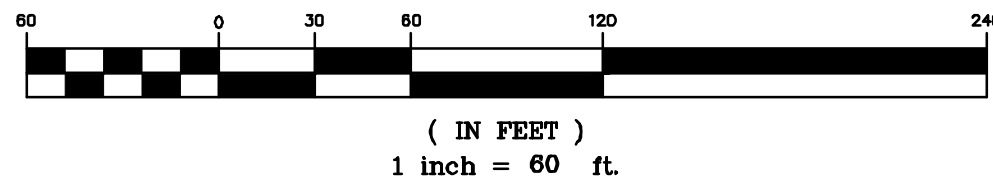
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 30 FT.
DATE : JUNE 3, 2019
FILE NO. : DB 2018 - 030

KENNETH A. BERRY
No. 1243
LICENSED PROFESSIONAL ENGINEER

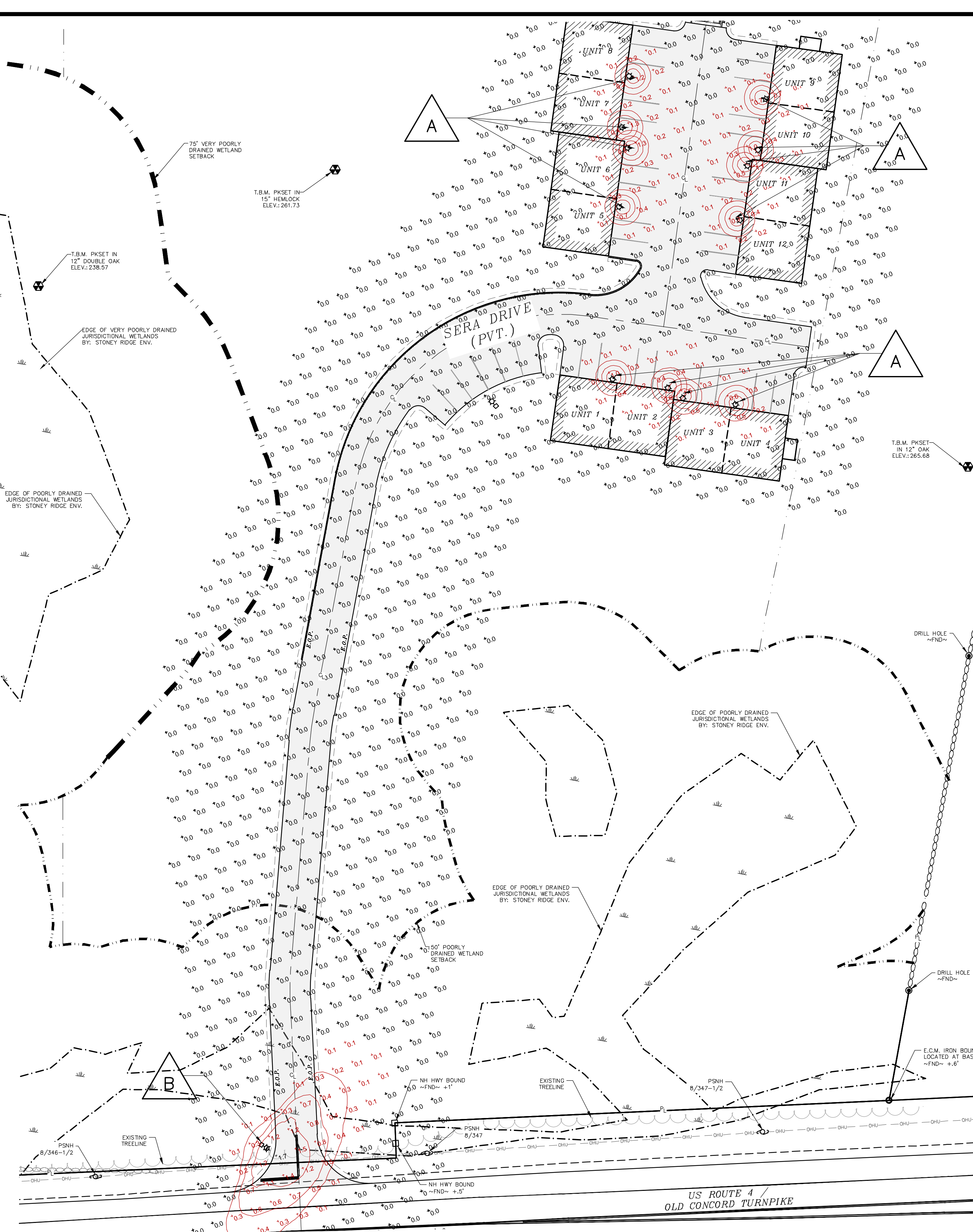
NOTES:

1. OWNER: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
2. APPLICANT: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
3. TAX MAP 6, LOT 22
4. LOT AREA: 1,164,698 Sq. Ft., 26.74 ACRES
5. R.C.R.D. BOOK 5977, PAGE 2799
6. THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE LIGHTING DESIGN FOR THE PROPOSED MULTI FAMILY DEVELOPMENT ON SERA DRIVE.
7. ALL LAMPS ARE SHOWN ON THE SITE PLAN WITH LOCATION, TYPE AND HEIGHT.
8. SEE CONSTRUCTION DETAILS FOR PRODUCT CUT SHEETS.

GRAPHIC SCALE



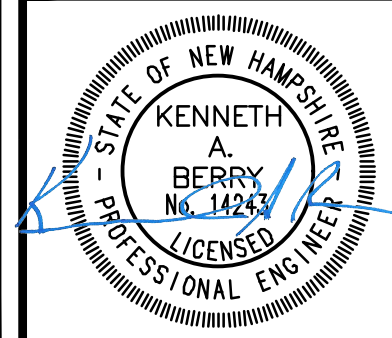
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	A	12	ODSL10 SRC	CRAFTSTON WALL MOUNTED SMALL DECORATIVE LANTERN, ONE LAMP 13W SPIRAL COMPACT FLUORESCENT, WHITE GLASS DIFFUSER 4.25" DIA., X 6.65" HIGH, ELECTRONIC BALLAST	ONE 13-WATT T4 SPIRAL COMPACT FLUORESCENT, VERTICAL BASE UP POSITION.	1	900	1	12.6
	B	2	DSXWPM LED 20C 700 AMBPC T2M MVOLT HS	DSXWPM LED WITH (2) 10 LED LIGHT ENGINES, TYPE T2M OPTIC, AMBPC, @ 700mA WITH HOUSE-SIDE SHIELDS.	LED	1	2535	1	45.7

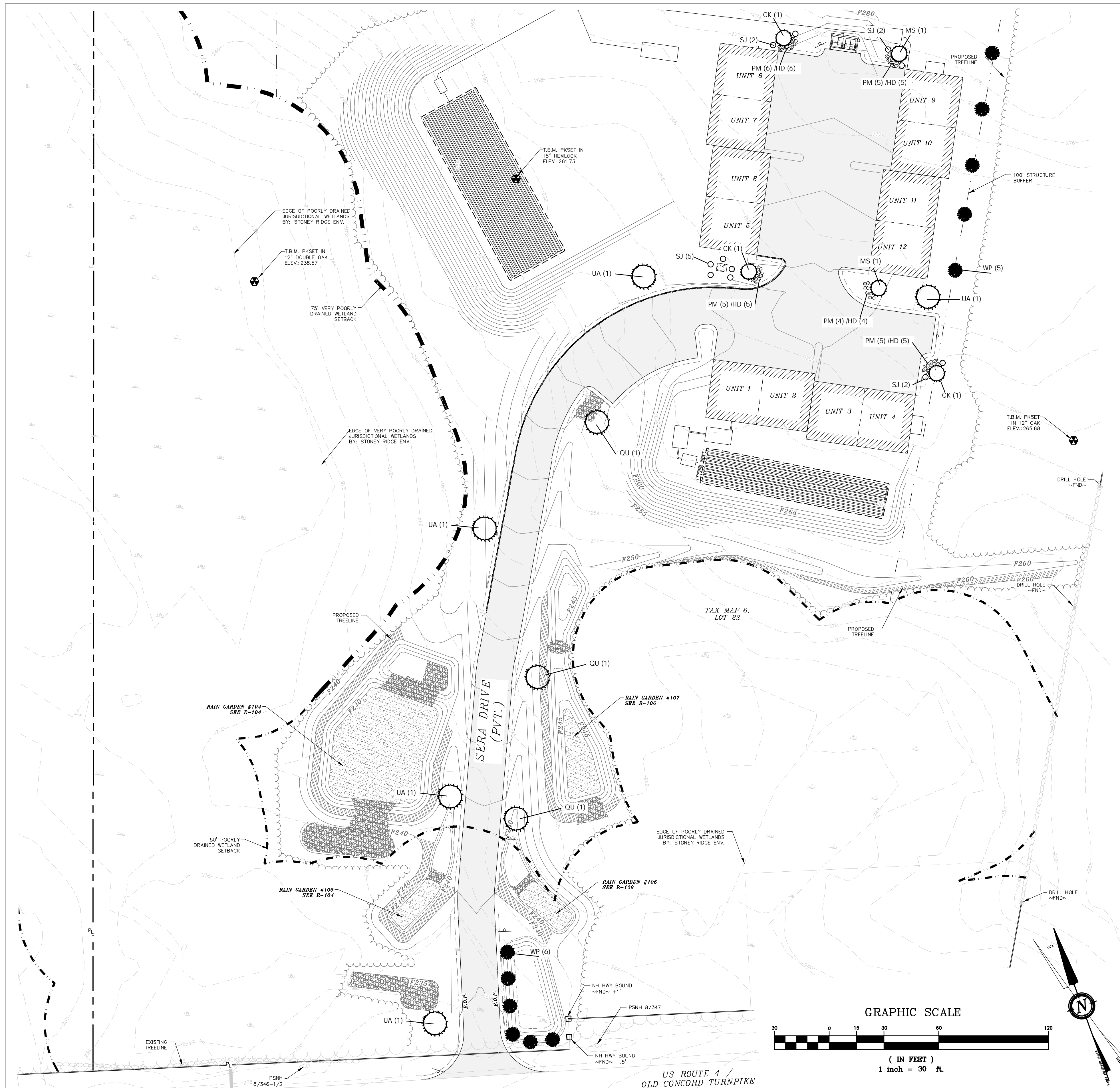


REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

LIGHTING PLAN SERA DRIVE
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 30 FT.
DATE : JUNE 3, 2019
FILE NO. : DB 2018 - 030





PLANTING NOTES

- CONTRACTOR SHALL OBTAIN APPROVAL FROM L.A. PRIOR TO PURCHASING &/OR INSTALLING SUBSTITUTE PLANT MATERIAL PRIOR TO PURCHASE OF ANY SUBSTITUTE MATERIALS.
- CONSTRUCTION ACCESS WILL BE AS DIRECTED BY L.A. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ACCESS ROUTE AND ALL AREAS DISTURBED BY PLANTING OPERATIONS UPON COMPLETION OF CONSTRUCTION OPERATIONS, AT NO ADDITIONAL COST TO THE OWNER.
- LAYOUT OF ALL PLANTING BEDS AND LOCATION OF PLANTS TO BE APPROVED BY L.A. ON SITE PRIOR TO CONSTRUCTION AND INSTALLATION.
- CONTRACTOR TO REMOVE ALL DEBRIS GENERATED BY PLANT INSTALLATION. DEBRIS TO BE DISPOSED OF IN A LEGAL MANNER.
- ALL PLANT MATERIAL SHALL BE GUARANTEED TO BE IN GOOD, HEALTHY & FLOURISHING CONDITION FOR ONE YEAR FROM THE DATE OF FINAL INSTALLATION APPROVAL BY L.A. CONTRACTOR SHALL REPLACE, WITHOUT COST TO OWNER, AND AS SOON AS WEATHER CONDITIONS PERMIT, ALL DEAD AND NON-FLOURISHING PLANTS AS DETERMINED BY THE L.A. REPLACEMENT PLANTS SHALL BE GUARANTEED IDENTICALLY TO ORIGINAL PLANTS, TIME PERIOD COMMENCING FROM DATE OF REPLACEMENT PLANTING APPROVAL BY L.A.
- ALL BEDS TO BE MULCHED WITH 3" DEPTH SHREDDED BARK MULCH UNLESS NOTED OTHERWISE.
- CONTRACTOR TO PROVIDE NECESSARY TEMPORARY IRRIGATION IF NEEDED BASED ON TIME OF YEAR THE PROJECT IS IMPLEMENTED.
- ALL PLANT MATERIAL TO COMPLY WITH THE CITY OF DOVER'S SITE REVIEW REGULATIONS, 149-14(G), SUCH THAT THERE SHALL BE DECIDUOUS SHADE TREES PLANTED 40 FEET O.C. ALONG THE PERIMETER OF THE PARKING LOTS AND SHRUBS PLANTED 5 FEET O.C. WITHIN THE PERIMETER BUFFER. SEE PLANT LIST FOR SPECIES AND SIZE OF PLANTS.

TEMPORARY WATERING NOTES

- CONTRACTOR IS RESPONSIBLE FOR MAKING SURE ALL PLANT MATERIAL HAS ADEQUATE WATER DURING THE ESTABLISHMENT PERIOD.
- THE USE OF GATOR BAGS, SOAKER HOSE, HAND WATERING AND OTHER TECHNIQUES SHOULD BE USED TO ASSURE PROPER HYDRATION OF THE PLANTINGS IS MAINTAINED.
- TEMPORARY IRRIGATION SYSTEMS CAN BE SET UP TO ASSIST IN WATERING ACTIVITIES.

PLANTING SCHEDULE

Sera Drive

Botanical Name / Common Name

Trees	Size	Qty	Label
Magnolia Stellata / Kousa Dogwood	2"-2.5" Cal.	2	MS
Cornus Kousa / Kousa Dogwood	2"-2.5" Cal.	3	CK
Ulmus americana 'Princeton' / Princeton American Elm	2"-2.5" Cal.	5	UA
Quercus / Oak	2"-2.5" Cal.	3	QU
Pinus Strobus / White Pine	2"-2.5" Cal.	11	WP
Shrubs	Size	Qty	Label
Spiraea japonica 'Neon Flash' / Neon Flash Spirea	#3	11	SJ
Perennials	Size	Qty	Label
Hemerocallis 'Big Time Happy' / Big Time Happy Daylily	#1	25	HD
Hemerocallis 'Pardon Me' / Pardon Me Daylily	#1	25	PM



General Plant Maintenance Guide

General Plant Bed Maintenance:

- All plant maintenance should be performed by a qualified horticulturalist or licensed arborist. Cleaning the dead material out of the planting bed in the fall helps keep litter from building up around the plants and in some cases killing the plants. Watering the first year during dry periods will help get the plants established. Mulching every year is not necessary. Raking the old mulch and turning it over is all that is needed. When necessary only install one inch of mulch and do not place the mulch closer than 3" to the trunks or stems of woody plants.

Trees

- The first year watering during dry periods will be necessary.
- 3" inches of mulch may be used. The mulch should be kept 3 inches from the trunk.
- Fertilizing is not necessary for the first year. Fertilizing in subsequent years only when and if the foliage is looking weak.
- Fertilization should occur prior to Mat 31" or after trees have dropped their leaves for the year.
- Prune dead wood once a year.
- Depending on the amount of compaction the bed area receives, deep root aeration may be needed over time.

Woody Shrubs

- The first year watering during dry periods will be necessary.
- 3" inches of mulch may be used. The mulch should be kept 3 inches from the stems.
- Fertilizing is not necessary for the first year. Fertilizing in subsequent years only when and if the foliage is looking weak.
- Fertilization should occur prior to Mat 31" or after shrubs have dropped their leaves or gone dormant for the year.
- Prune dead wood once a year.

Grasses

- Grasses only need to be clipped back at the end of the growing season and all the clippings removed from the area.
- Do not over mulch. Too much mulch will prohibit the grass from developing into a strong clump.

Perennials

- All perennials need to be pruned back after the first or second hard frost. A two-step method: first dead head all the flower heads and let drop to the ground for re-seeding. Second cut the stems back to 3" above the ground and remove the stem and leaf litter and place in compost. Do not over mulch. Too much mulch will prohibit the growth and development.
- Fertilizing perennials once in the spring with a low phosphate fertilizer will help the plants to get started in the spring.



terrain
planning & design llc

311 kast hill road
hopkinton, nh 03229
603. 491. 2322
terrainplanning.com

U.S. ROUTE 4
"SERA DRIVE"

Site Location:
U.S. ROUTE 4
NOTTINGHAM, NH
Tax Map: 6
Lot: 22

Prepared For:
Berry Surveying & Engineering
335 Second Crown Point Rd
Barrington, NH 03825

LANDSCAPE
PLAN

DATE: 6/3/2019

SCALE: 1" = 30'

PROJECT #: 18-030

Drawn By: ID

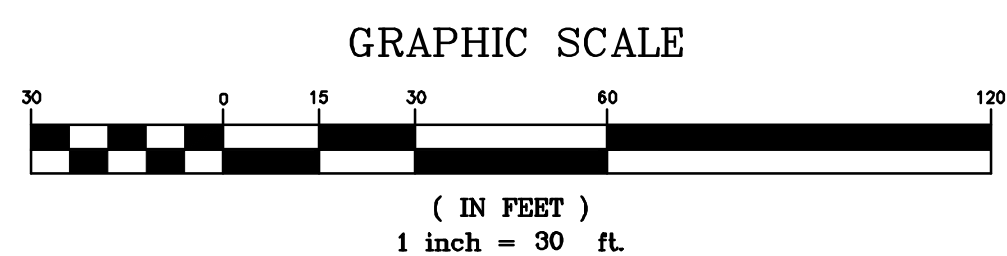
Checked By: ERB

REVISIONS: DATE:
Issued for Client Review

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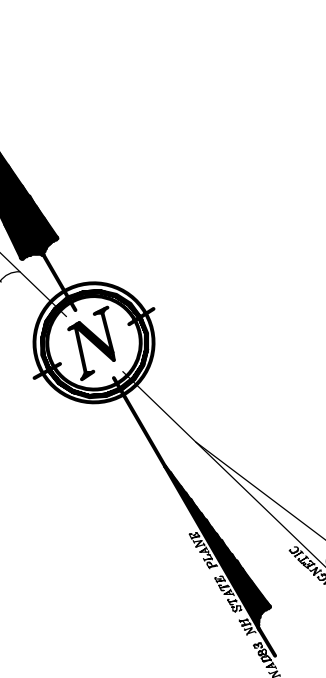
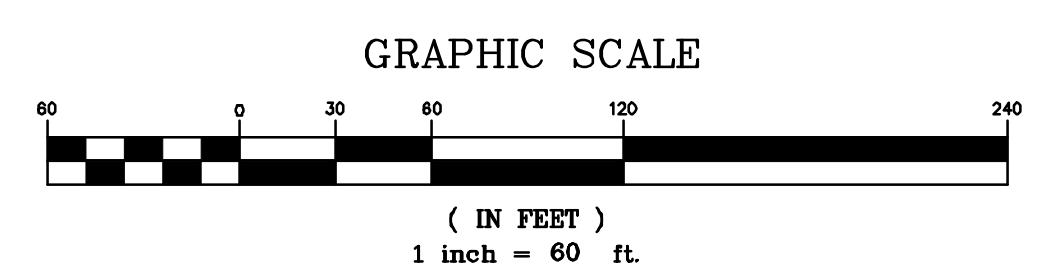
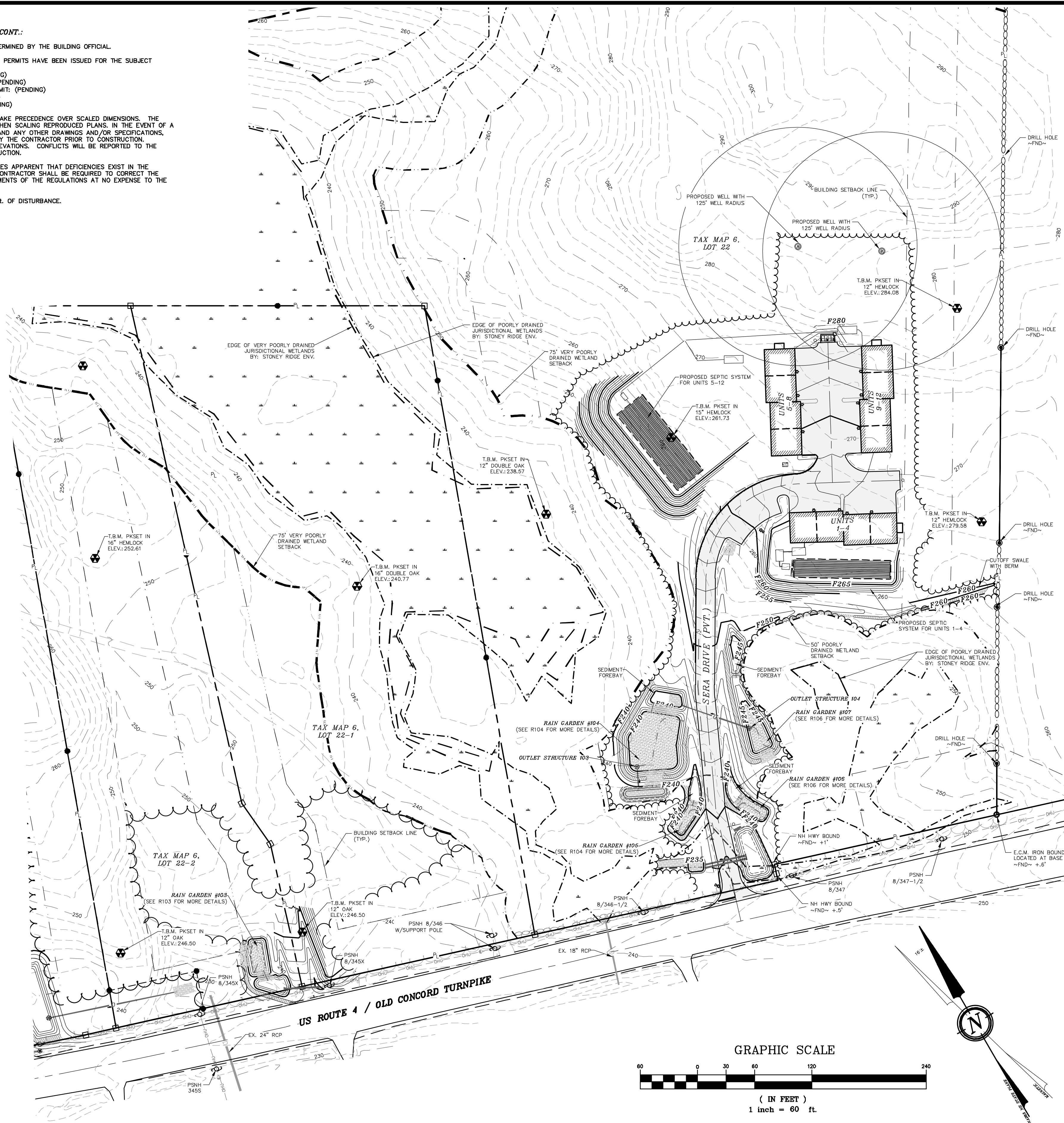


STANDARD CONSTRUCTION NOTES:

- 1.) OWNER: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
- 1A.) APPLICANT: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
- 2.) TAX MAP 6, LOT 22
- 3.) LOT AREA: 1,164,698 Sq. Ft., 26.74 ACRES
- 4.) R.C.R.D. BOOK 5977, PAGE 2799
- 5.) THE INTENT OF THIS PLAN IS TO PROVIDE GRADING AND ENGINEERING DETAIL OF SERA DRIVE.
- 6.) EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE.
- 7.) ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF NOTTINGHAM SUBDIVISION REGULATIONS AND THE LATEST EDITION OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
- 8.) AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE TOWN OF NOTTINGHAM UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
- 9.) TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN THE SUMMER OF 2018.
- 10.) DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A TOPCON HIPER SR RECEIVER IN THE SUMMER OF 2018 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- 11.) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
- 12.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 13.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
- 14.) SEE SEDIMENT & EROSION CONTROL PLAN FOR INLET PROTECTION AND CONTROLS FOR THE ENTIRE SITE.
- 15.) REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP AND EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- 16.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
- 17.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 18.) CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- 19.) WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- 20.) FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE TOWN OF NOTTINGHAM.
- 21.) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (603)-436-7708. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48-HOUR MINIMUM NOTICE IS REQUIRED.
- 22.) CONTRACTOR SHALL COORDINATE ALL CABLE AND TELECOMMUNICATIONS INSTALLATIONS WITH COMCAST.
- 23.) ALL NEW ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- 24.) THE SUBDIVISION WILL BE SERVED BY ONSITE WELL AND SEPTIC SYSTEMS.
- 25.) THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE & RESET" (R & R).
- 26.) ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH {} SHALL BE THERMOPLASTIC.
- 27.) ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL HAVE LOAM PLACED AND SEEDDED. THE LOAM SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHALL BE PLACED FLUSH WITH THE TOP OF THE ADJACENT CURB, EDGING, BERM OR PAVEMENT SURFACE.
- 28.) PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DE-WATERED SUBGRADES, TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOFF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAFFIC IN SENSITIVE AREAS, AND MAINTAINING AN EFFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL MEETING THE ENGINEERS SPECIFIC RECOMMENDED CRITERIA.
- 29.) IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER (NOT ALLOWED IN TOWN R.O.W.), EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.
- 30.) PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.
- 31.) BERMS ARE TO BE CONSTRUCTED WITH HIGH QUALITY CLAY OR LOAMY MATERIAL AND COMPACTED APPROPRIATELY. NO FROZEN MATERIALS ARE TO BE USED IN THE CONSTRUCTION OF ANY BERM ON SITE. TO BE REVIEWED AND APPROVED BY THE TOWN OF NOTTINGHAM OR THEIR AGENTS.
- 32.) ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
- 33.) ALL DRAINAGE PIPE IS TO BE HDPE N-12 ASTM F2848. (GREEN PIPE) INDIVIDUAL PIPE SIZES ARE SPECIFIED.
- 34.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
- 35.) ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS.
- 36.) ALL PROPOSED CLEAN OUTS ARE TO BE VERTICAL 12" N-12 PIPE WITH CAST IRON COVERS SCREWED WITH STAINLESS SCREWS. THE COVER IS TO BE DEMARCATED WITH A "D".
- 37.) ALL TREATMENT SWALE TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS UNLESS OTHERWISE INSTRUCTED BY THE DESIGN ENGINEER DURING CONSTRUCTION.
- 38.) A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS, AS MAY BE APPLICABLE.
- 39.) A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND NOTTINGHAM TOWN STAFF SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.

STANDARD CONSTRUCTION NOTES CONT.:

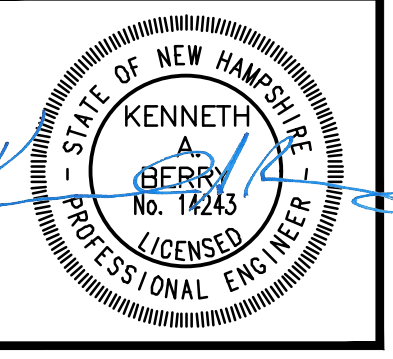
- 40.) BUILDING ADDRESSES SHALL BE DETERMINED BY THE BUILDING OFFICIAL.
- 41.) THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
NHDES SUBDIVISION PERMIT: (PENDING)
NHDES WETLANDS IMPACT PERMIT: (PENDING)
NHDES ALTERATION OF TERRAIN PERMIT: (PENDING)
CONDITIONAL USE PERMIT: (PENDING)
EPA NOTICE OF INTENT (NOI): (PENDING)
- 42.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.
- 43.) IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
- 44.) THIS PLAN PROPOSED 113,000 Sq. Ft. OF DISTURBANCE.

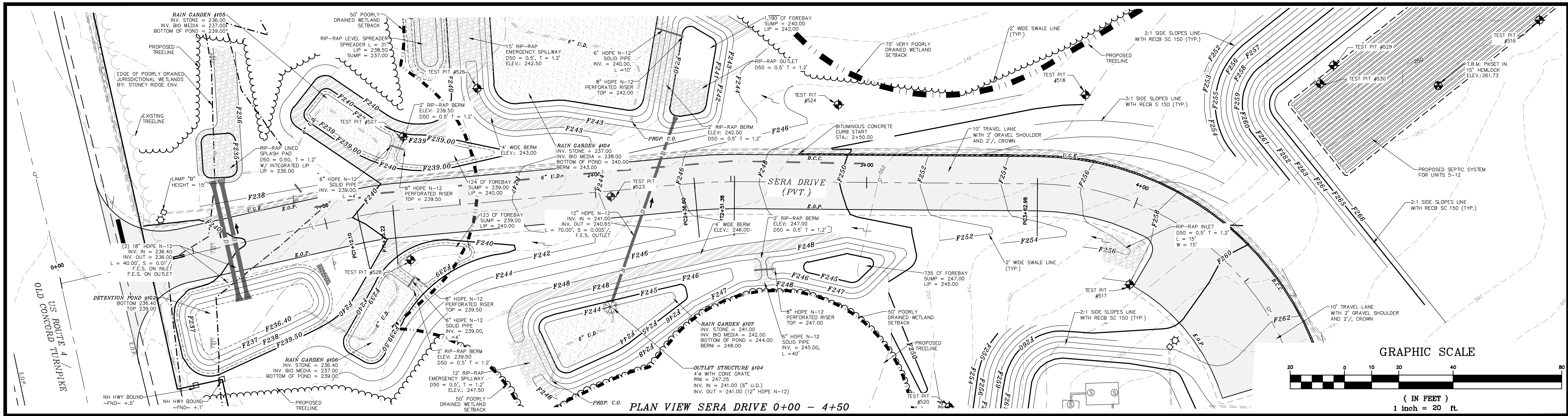


REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

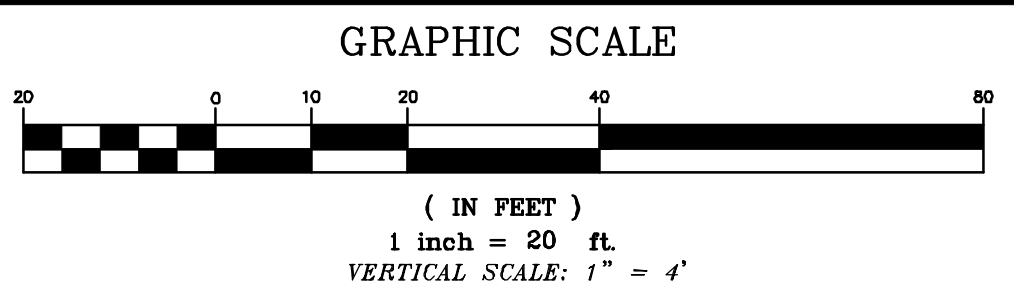
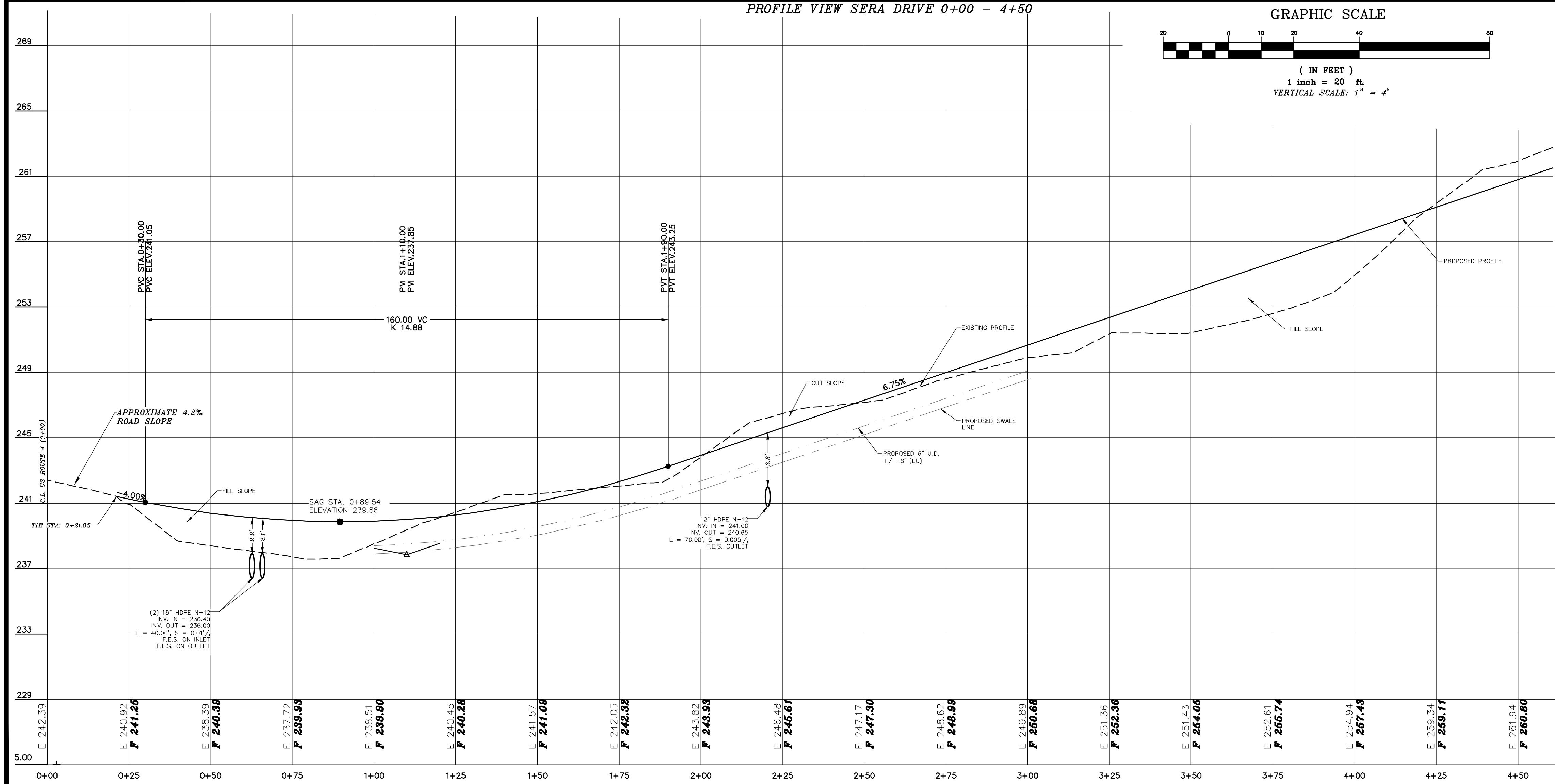
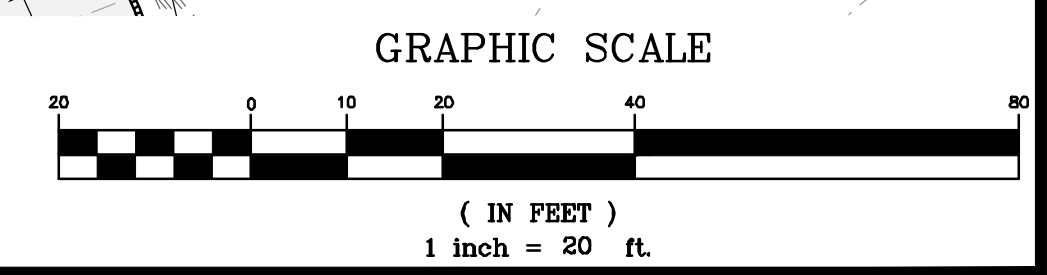
OVERVIEW GRADING PLAN
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 60 FT.
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030





PLAN VIEW SERA DRIVE 0+00 - 4+50
PROFILE VIEW SERA DRIVE 0+00 - 4+50

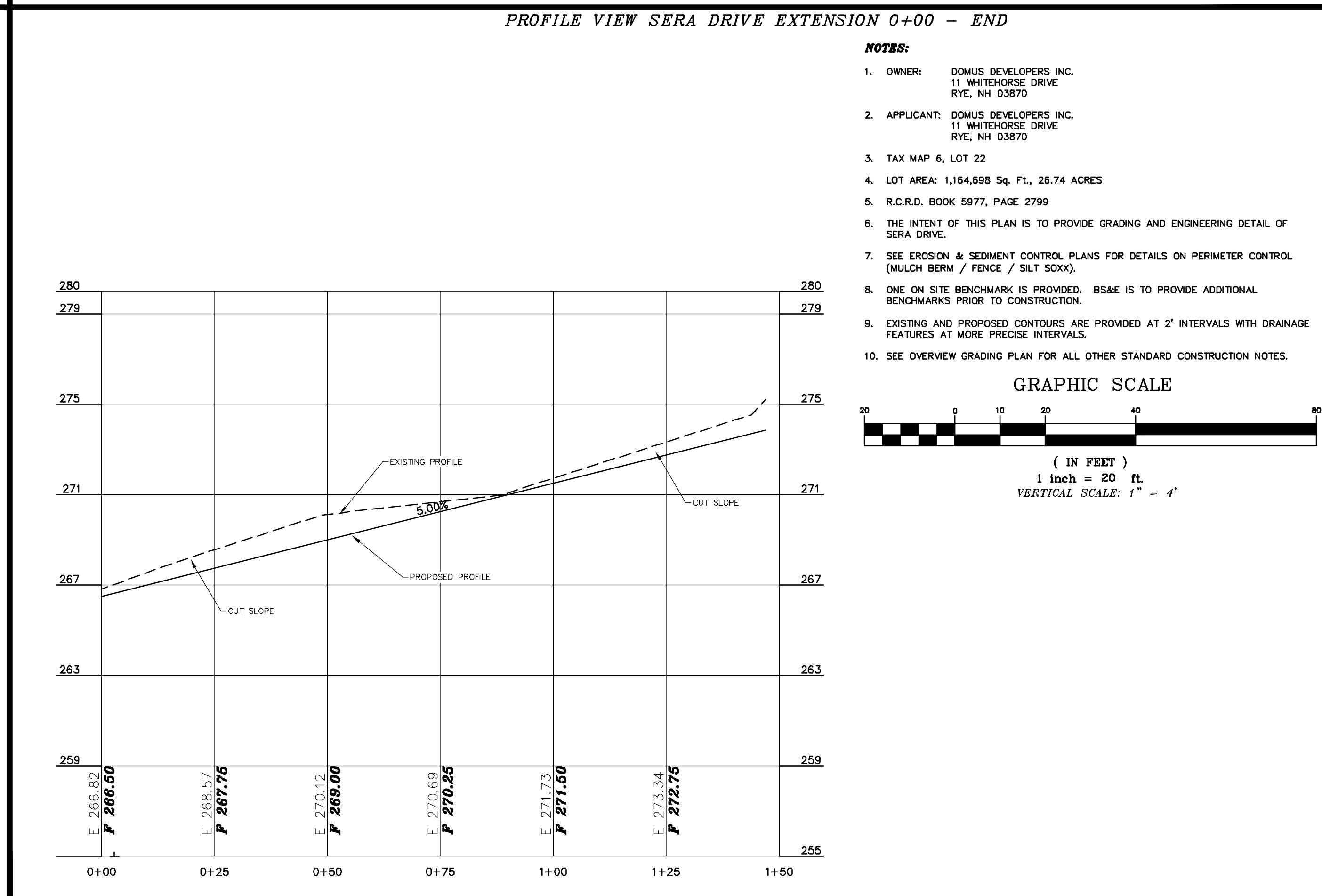
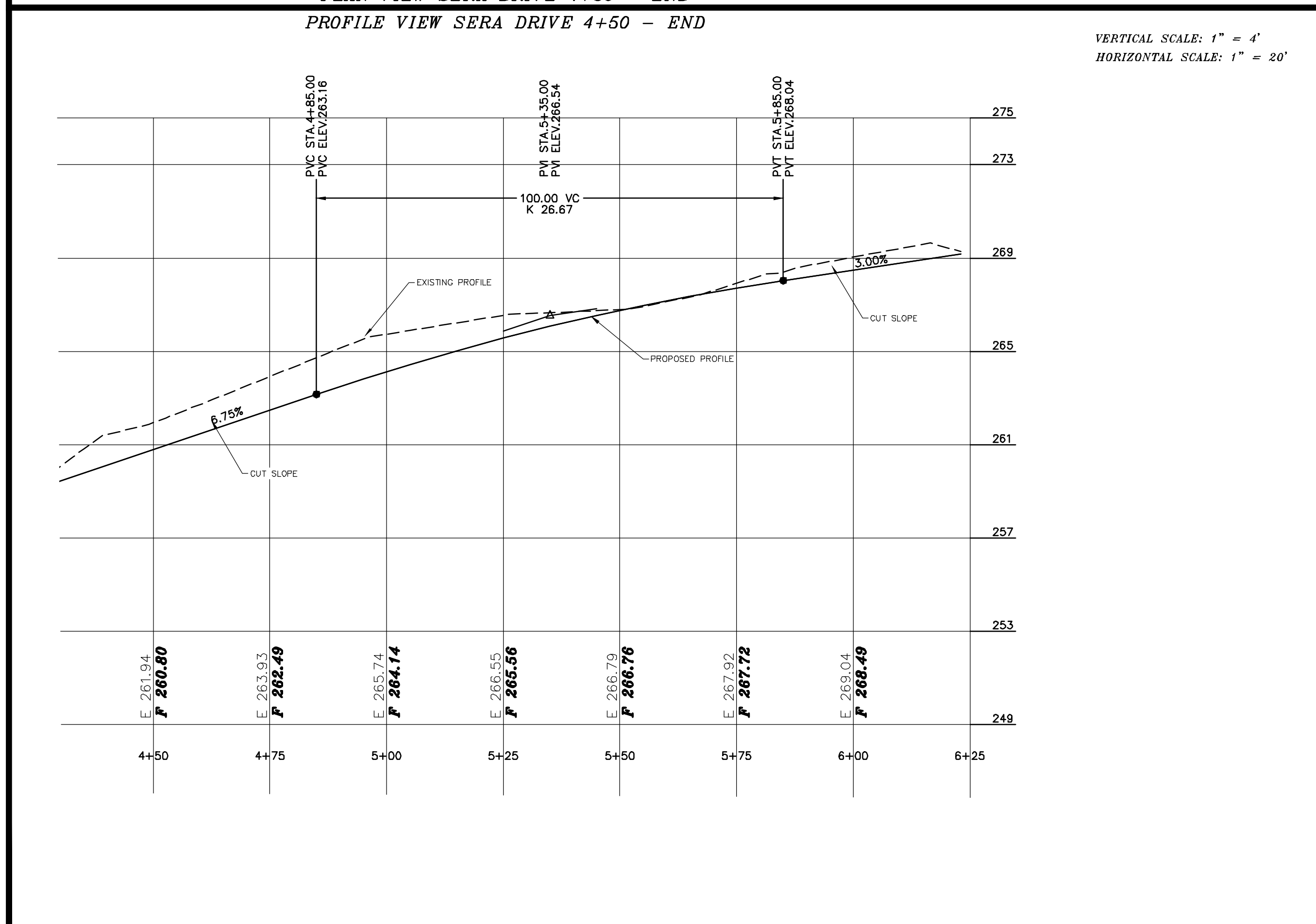
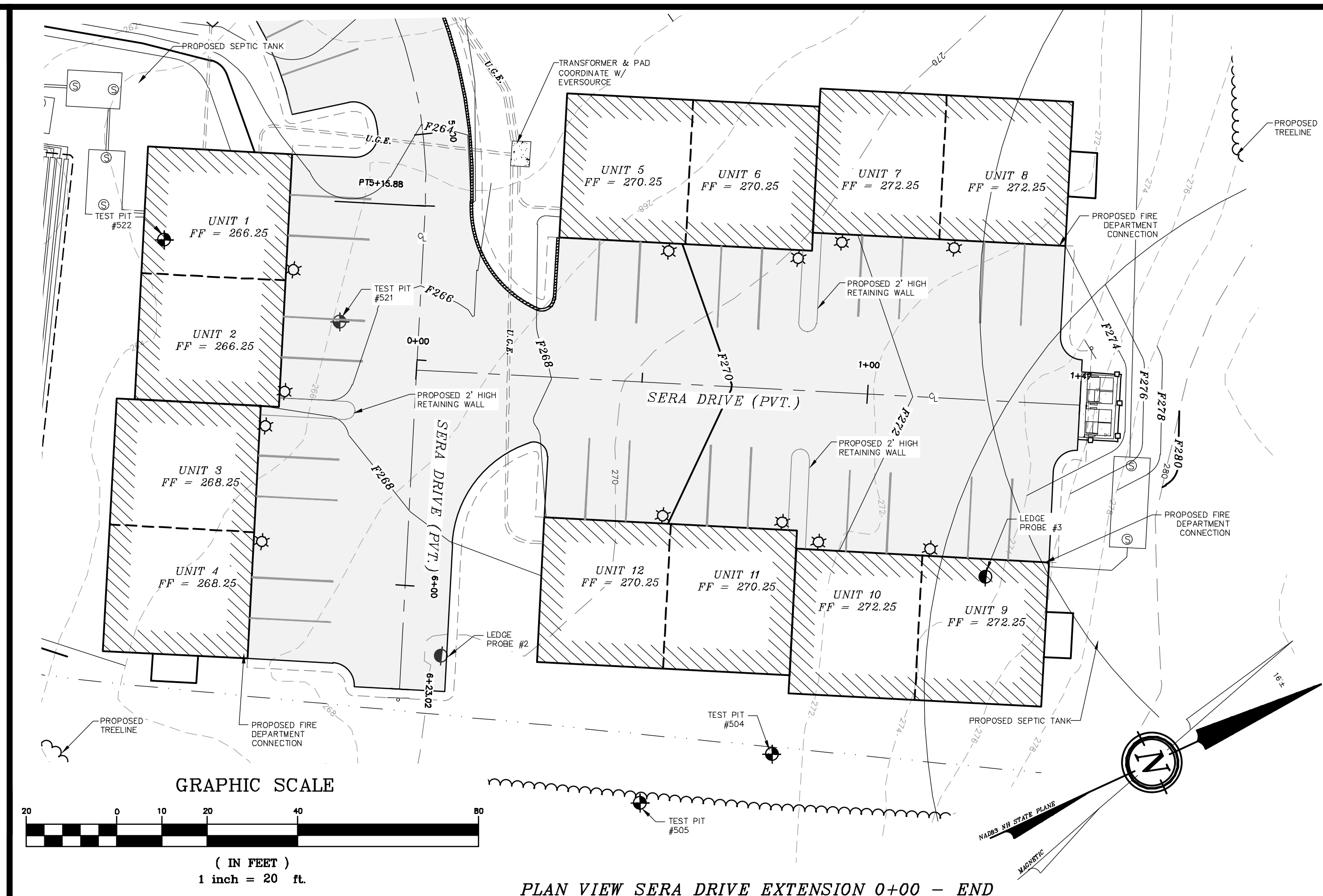
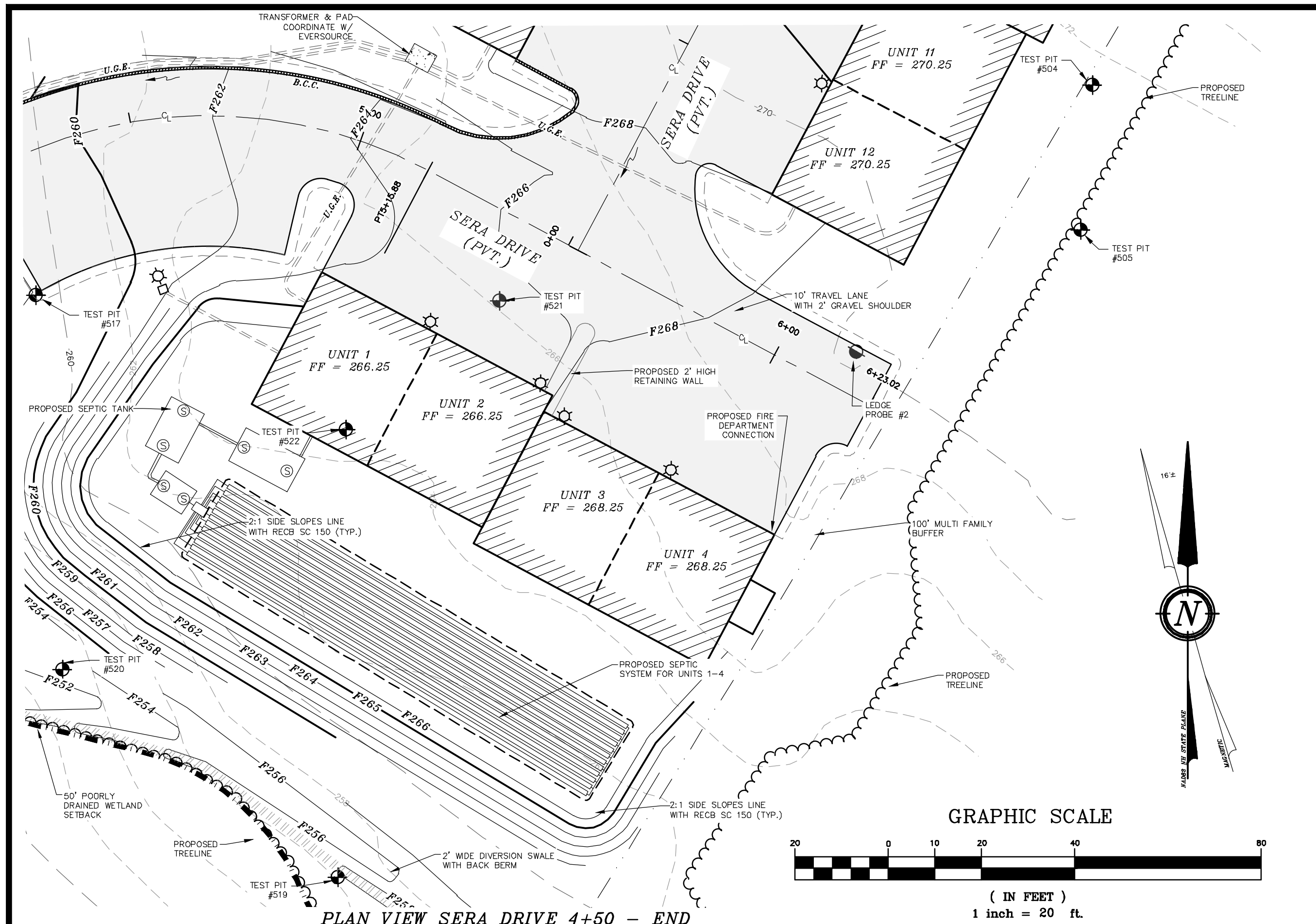


- NOTES:**
- OWNER: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
 - APPLICANT: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
 - TAX MAP 6, LOT 22
 - LOT AREA: 1,164,698 Sq. Ft., 26.74 ACRES
 - R.C.R.D. BOOK 5977, PAGE 2799
 - THE INTENT OF THIS PLAN IS TO PROVIDE GRADING AND ENGINEERING DETAIL OF SERA DRIVE.
 - SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
 - ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
 - EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 2' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.
 - SEE OVERVIEW GRADING PLAN FOR ALL OTHER STANDARD CONSTRUCTION NOTES.

REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

PLAN & PROFILE SERA DRIVE 0+00 TO 4+50
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 20 FT.
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030



- NOTES:**
- OWNER: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
 - APPLICANT: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
 - TAX MAP 6, LOT 22
 - LOT AREA: 1,164,698 Sq. Ft., 26.74 ACRES
 - R.C.R.D. BOOK 5977, PAGE 2799
 - THE INTENT OF THIS PLAN IS TO PROVIDE GRADING AND ENGINEERING DETAIL OF SERA DRIVE.
 - SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
 - ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
 - EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 2' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.
 - SEE OVERVIEW GRADING PLAN FOR ALL OTHER STANDARD CONSTRUCTION NOTES.

REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

PLAN & PROFILE SERA DRIVE 4+50 TO END & EXTENSION
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 20 FT.
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030

BIORETENTION FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
Bioretention Filter Media Option A			
ASTM C-33 concrete sand	50 to 55		
Loamy sand topsoil, with fines as indicated	20 to 30	200	15 to 25
Moderately fine shredded bark or wood fiber mulch, with fines as indicated	20 to 30	200	< 5

3/8" WASHED CRUSHED STONE *	
SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	95 - 100
# 4	22 - 55
# 8	0 - 10

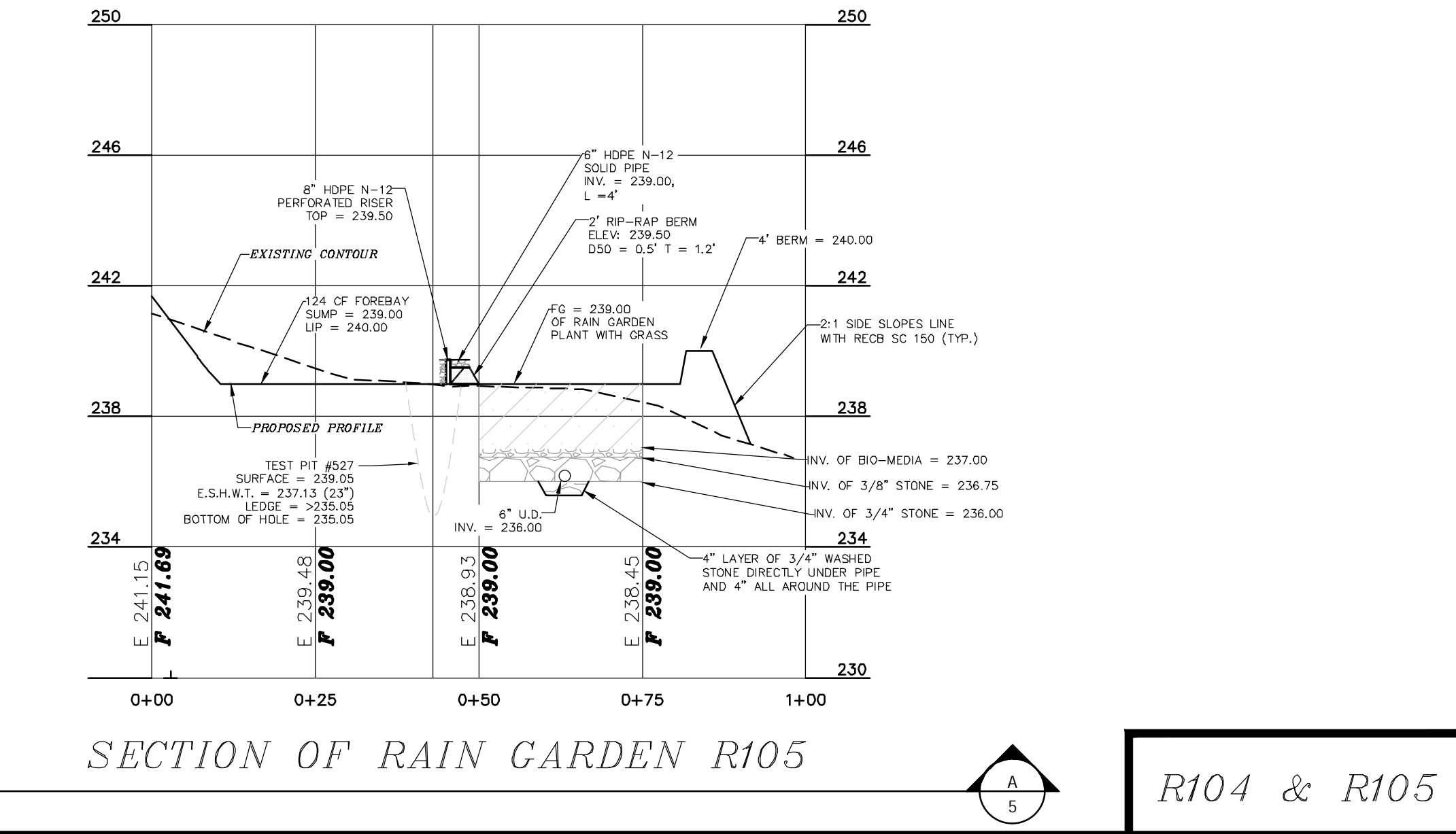
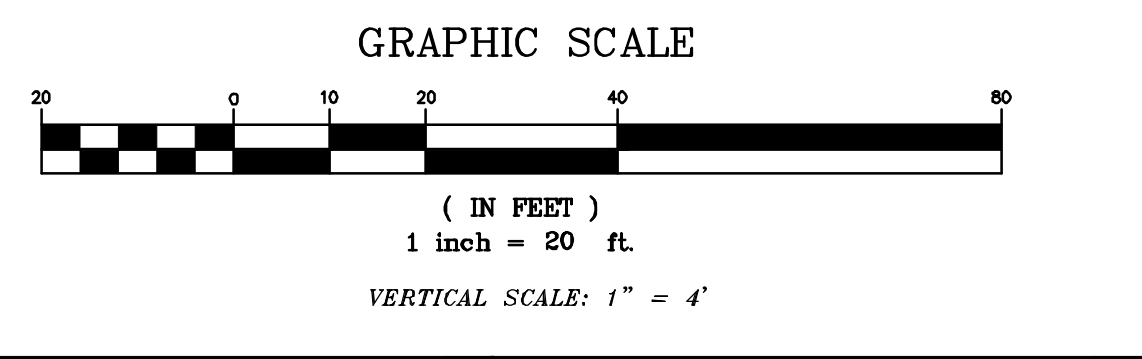
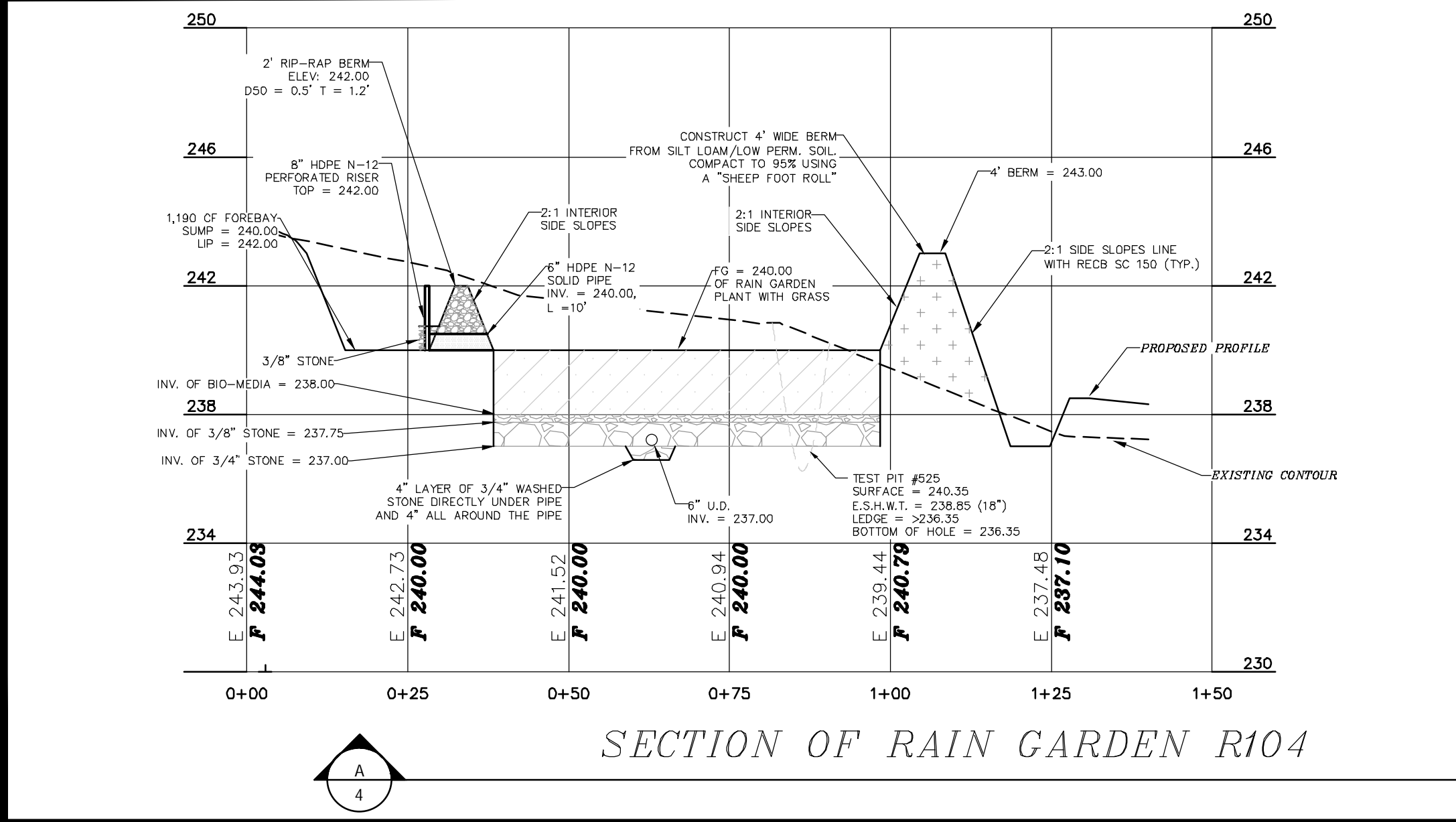
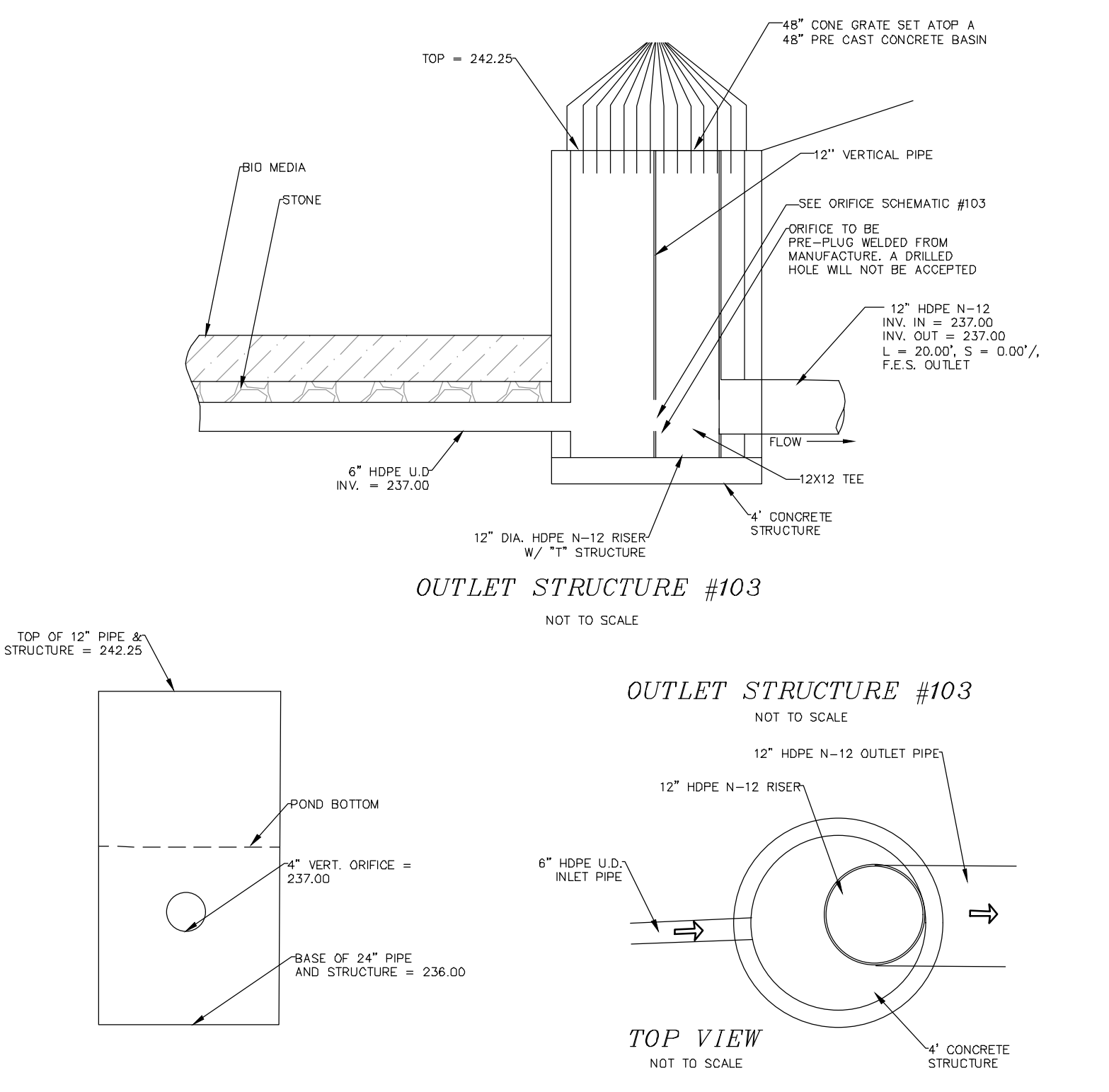
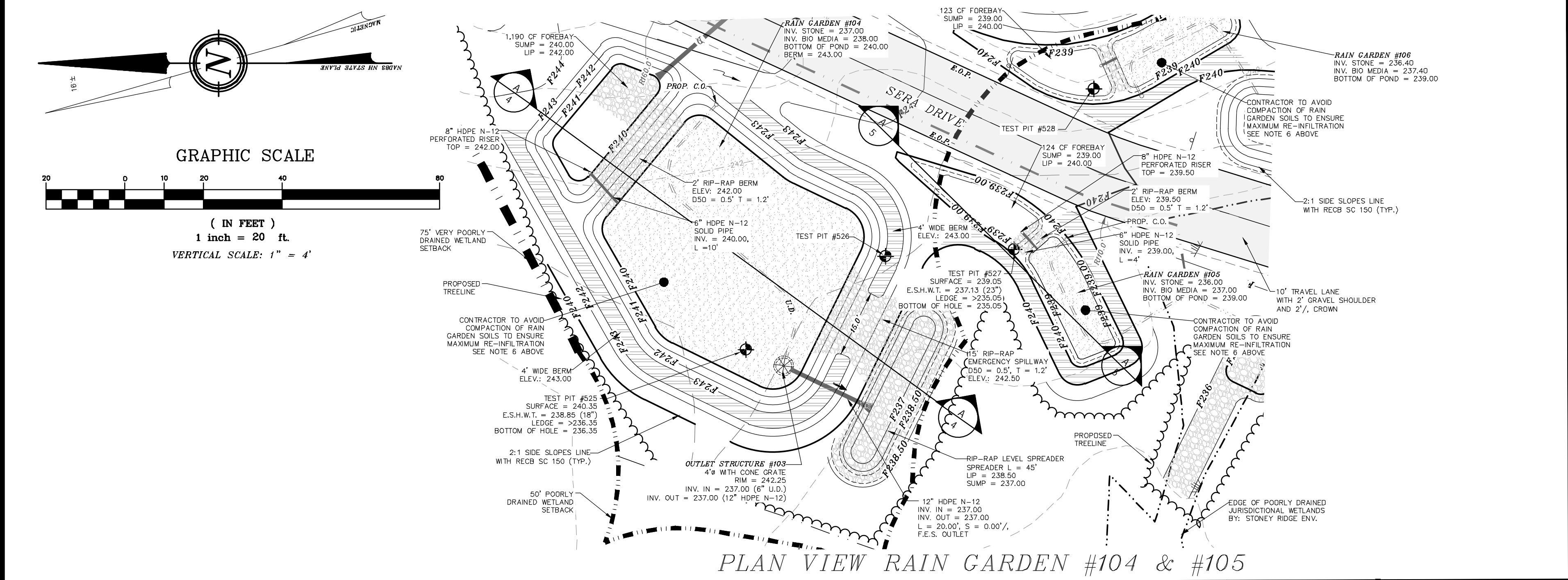
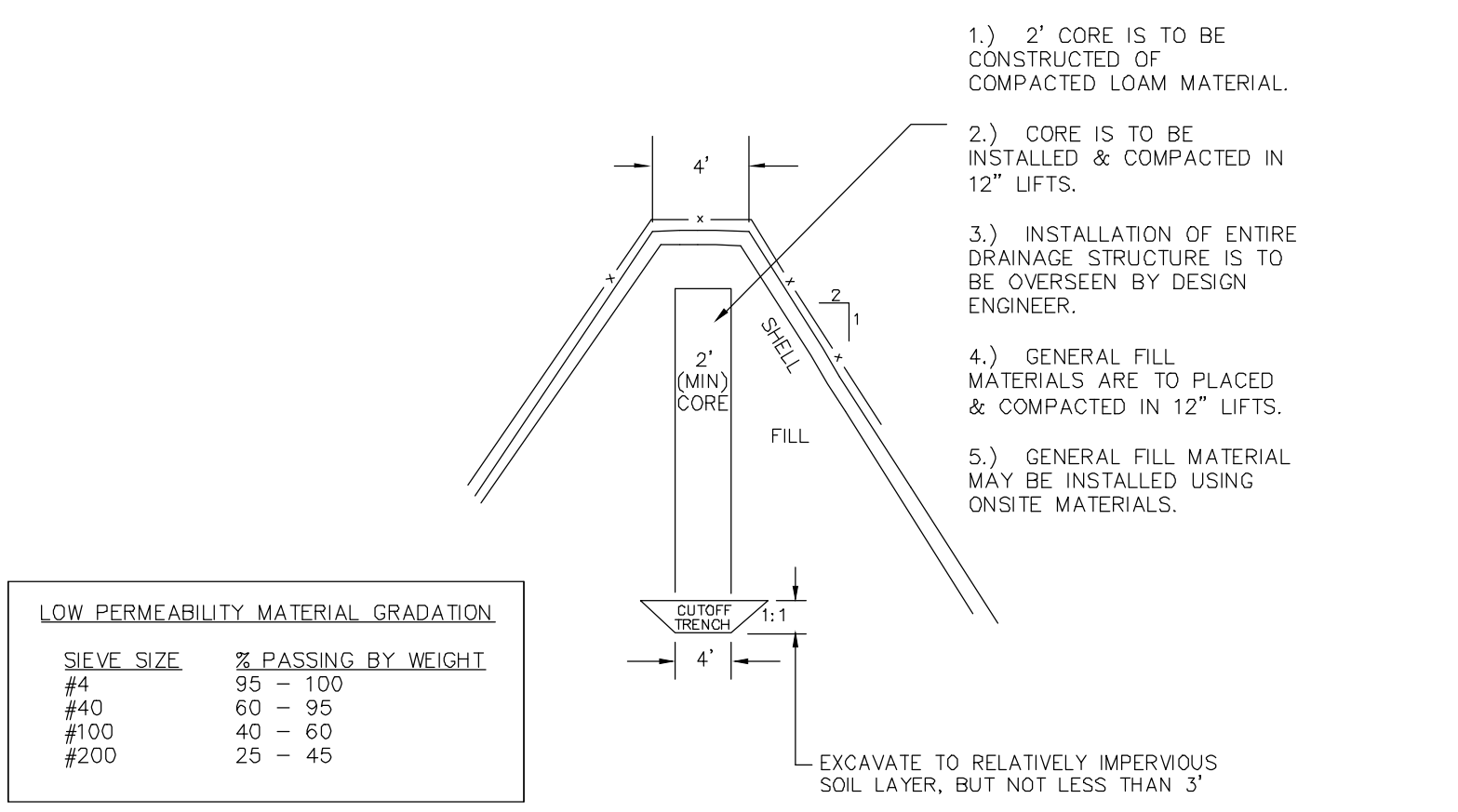
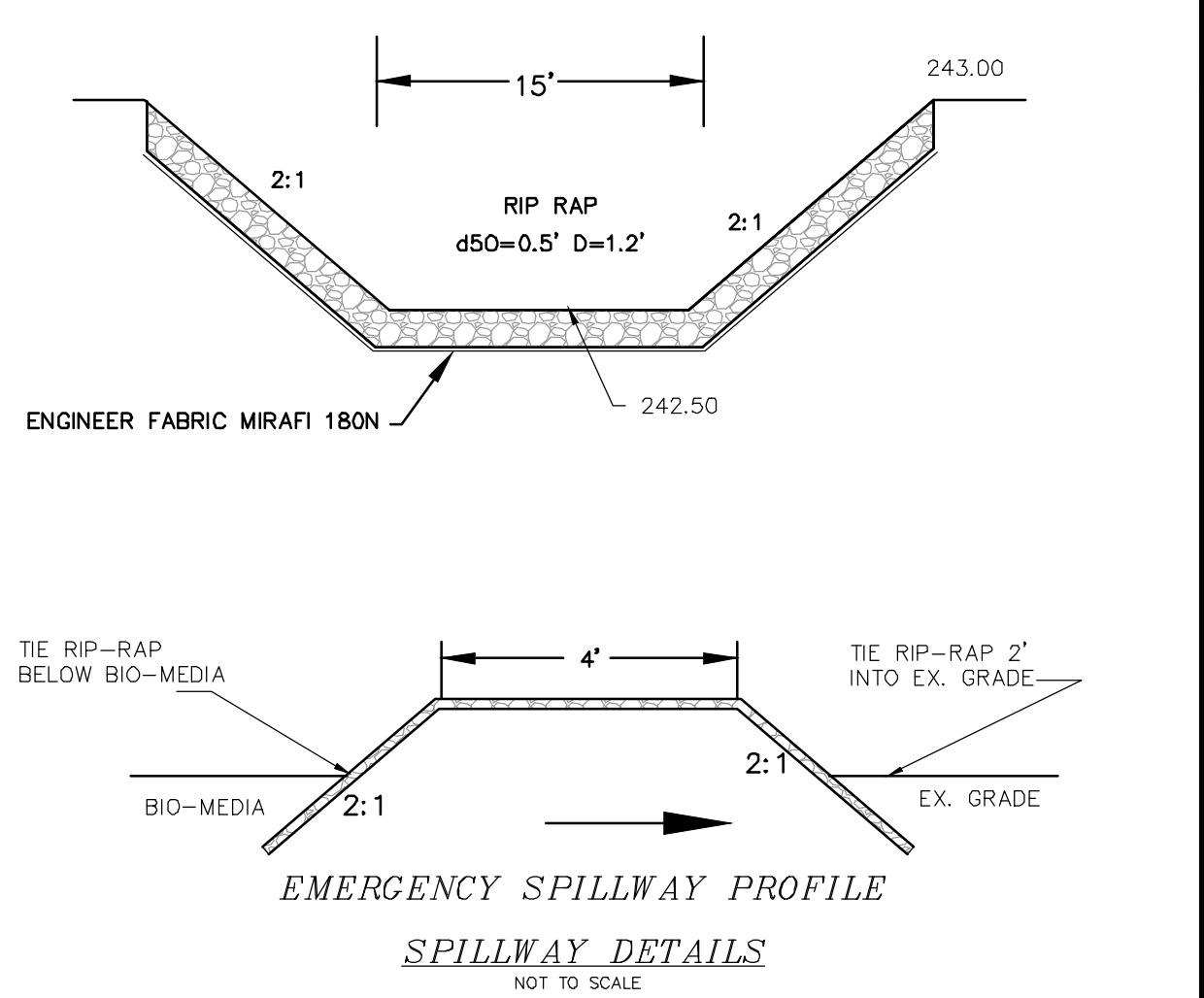
3/4" WASHED CRUSHED STONE *	
SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90 - 100
1/2"	15 - 55
# 10	0 - 5

RAIN GARDEN MIX
 THE GRASS THAT IS PLANTED WITHIN A RAIN GARDEN BIO-FILTRATION SYSTEM WITHIN THE BIO-MEDIA MUST CONSIST OF A COMBINATION OF WARM SEASON GRASS SEED AND COLD SEASON GRASS SEED IN ORDER FOR THE GRASS TO START GROWING FOR STABILIZATION AND CONTINUE GROWING IN THE SANDY WELL-DRAINED ENVIRONMENT. PLANTING SPECIFICATION WILL MEET THE REQUIREMENTS AS OUTLINED IN "VEGETATION NEW HAMPSHIRE SAND AND GRAVEL PITS" MIX 1 (WARM SEASON GRASSES) (15 LBS/AC) AND INCLUDE ANNUAL AND PERENNIAL RYE GRASS SEED (15 LBS/AC); THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX (23 LBS/AC) BY NEW ENGLAND WETLAND PLANTS, INC.; RAIN GARDEN MIX 180 (15 LBS/AC & 15 LBS/AC OF RYE) / RAIN GARDEN GRASS MIX 180-1 (20 LBS/AC & 10 LBS/AC OF RYE) BY ERNST CONSERVATION SEEDS; OR APPROVED EQUAL.

- NOTES**
- WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
 - SOIL BIORETENTION FILTER MEDIA SHALL BE AS SHOWN ABOVE. "BIO MEDIA" MEANS BIORETENTION FILTER MEDIA. COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
 - DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
 - DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
 - DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

- MAINTENANCE REQUIREMENTS**
- SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS A WARRANTED BY SUCH INSPECTION. THE HOME OWNERS ASSOCIATION SHALL BE RESPONSIBLE FOR THE LONG TERM MAINTENANCE OF THE PROPOSED DRAINAGE SYSTEMS.
 - PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
 - AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.
 - VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

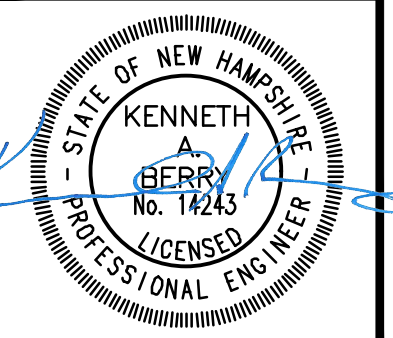
- DESIGN REFERENCES**
- UAH STORMWATER CENTER
 - NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.



BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE: 1 IN. EQUALS 20 FT.
 DATE: JUNE 3, 2019
 FILE NO.: DB 2018 - 030

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

RAIN GARDEN #104 & #105
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22



R104 & R105

BIORETENTION FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
Bioretention Filter Media Option A			
ASTM C-33 concrete sand	50 to 55		
Loamy sand topsoil, with fines as indicated	20 to 30	200	15 to 25
Moderately fine shredded bark or wood fiber mulch, with fines as indicated	20 to 30	200	< 5

3/8" WASHED CRUSHED STONE*	
SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	95 - 100
# 4	22 - 55
# 8	0 - 10

3/4" WASHED CRUSHED STONE*	
SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90 - 100
1/2"	15 - 55
# 10	0 - 5

* EQUIVALENT TO STANDARD WASHED STONE - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

* EQUIVALENT TO STANDARD WASHED STONE - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

NOTES

- WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
- SOIL BIORETENTION FILTER MEDIA SHALL BE AS SHOWN ABOVE. "BIO MEDIA" MEANS BIORETENTION FILTER MEDIA. COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
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- DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

MAINTENANCE REQUIREMENTS

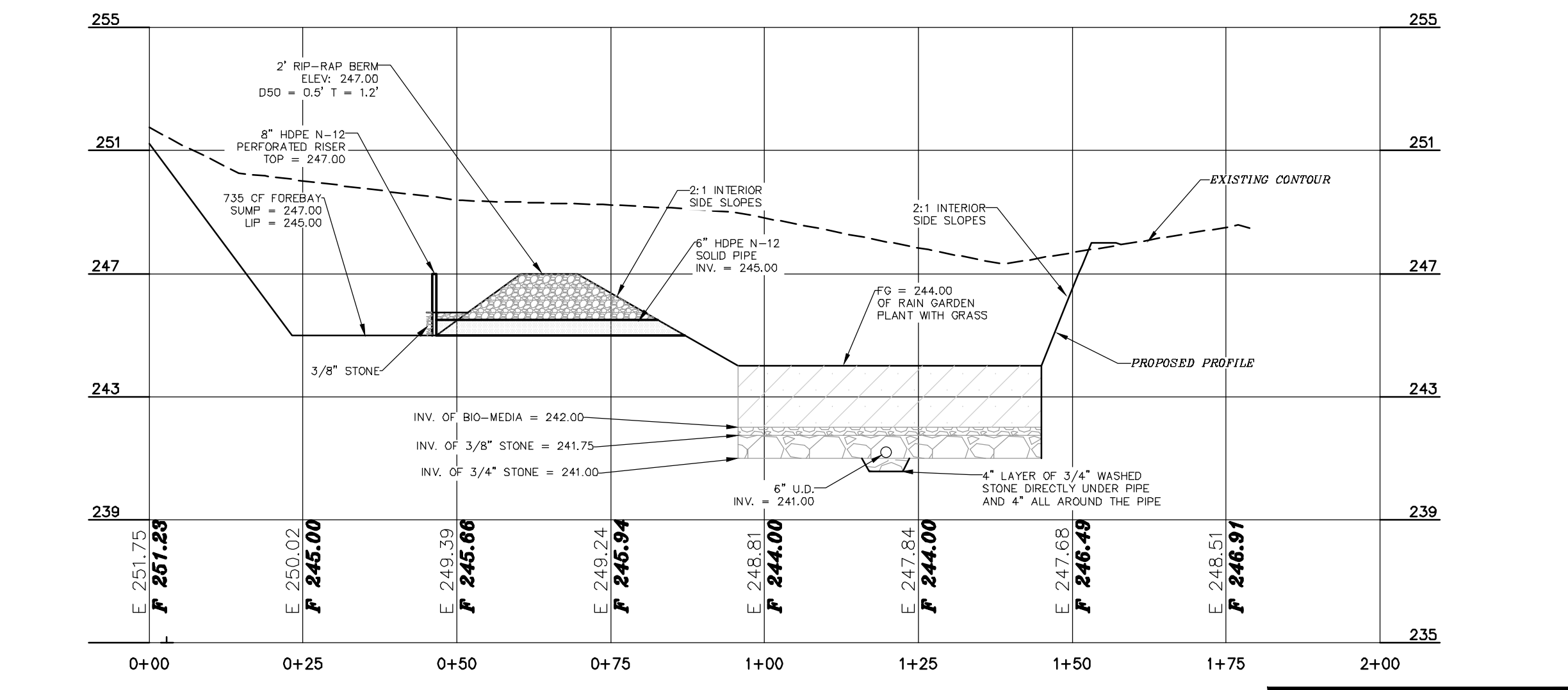
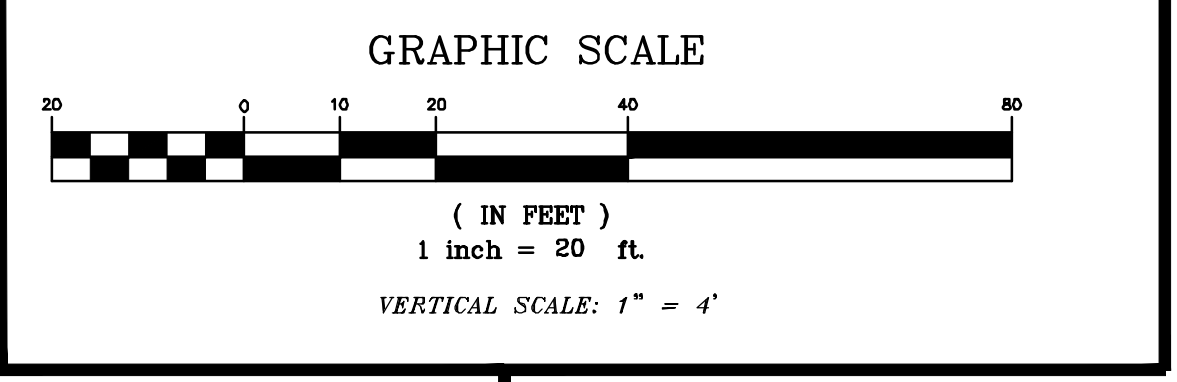
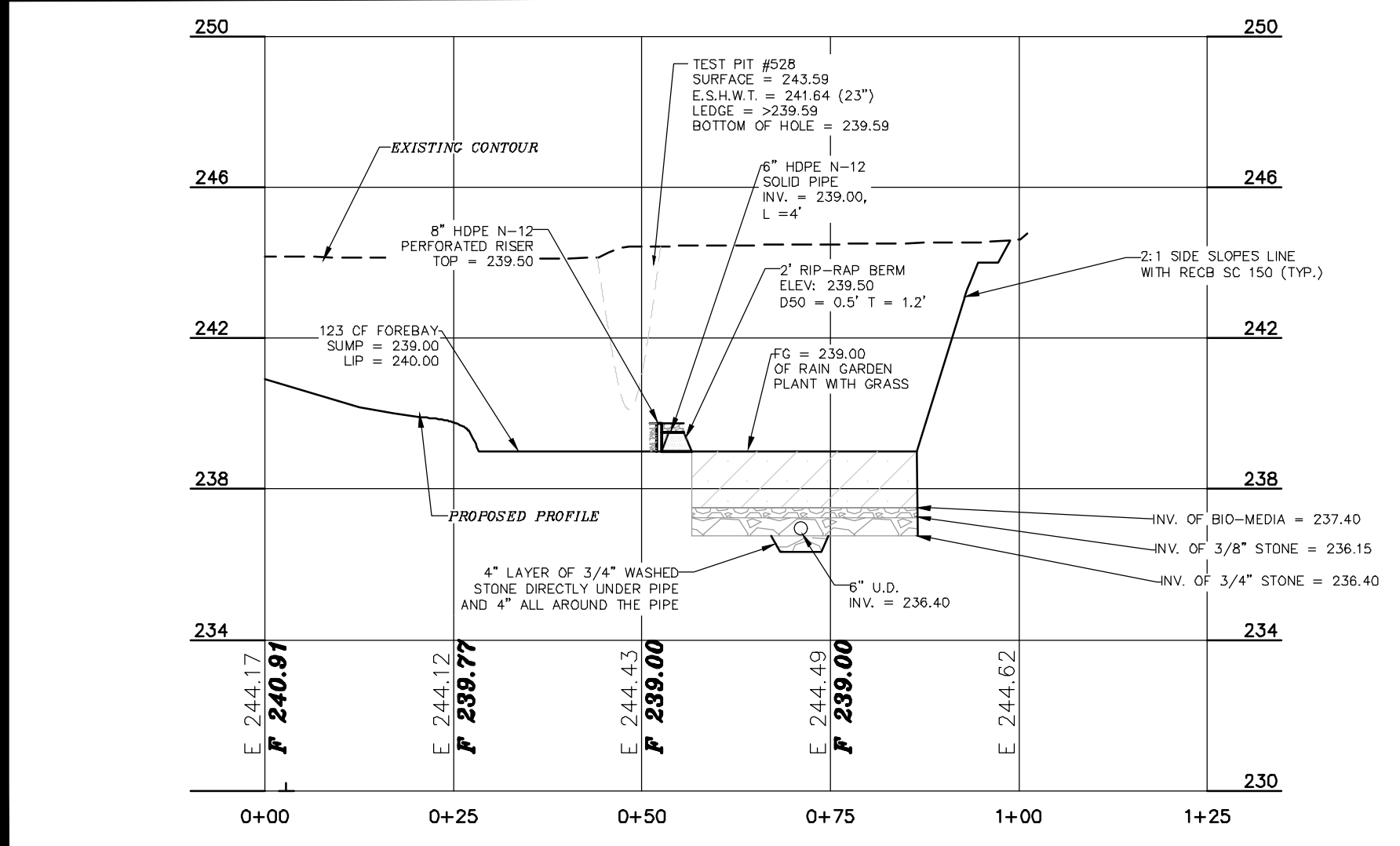
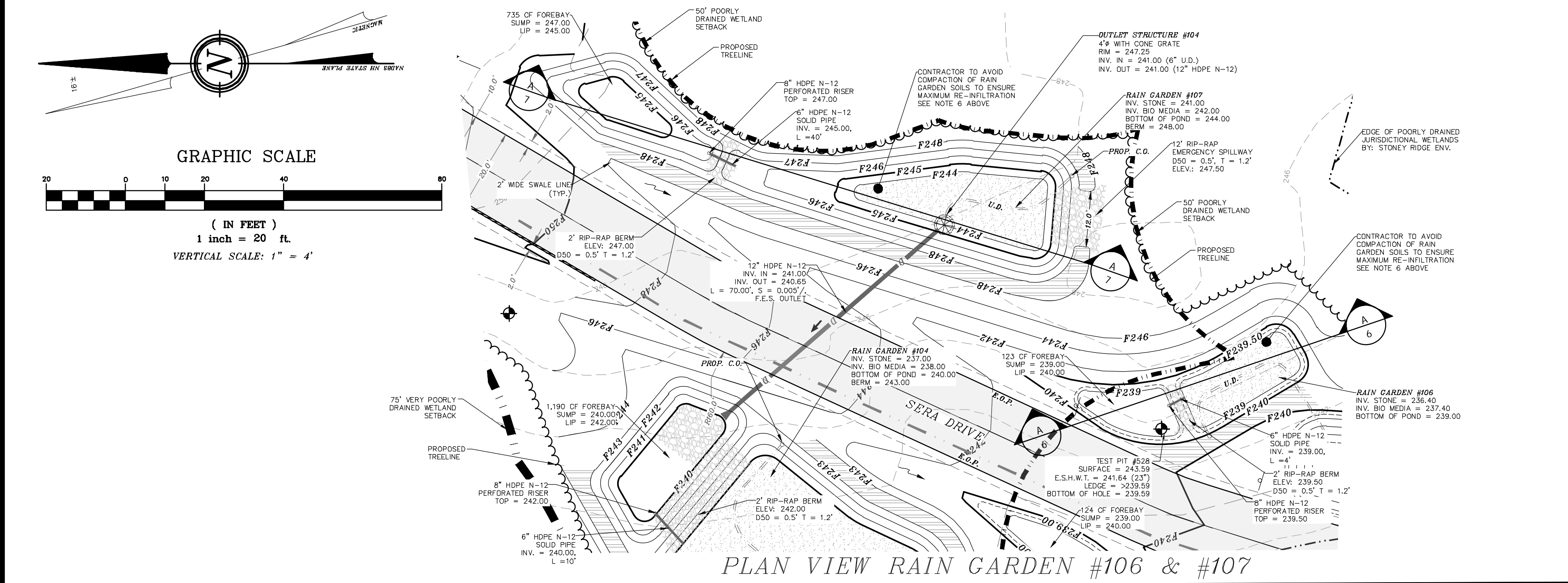
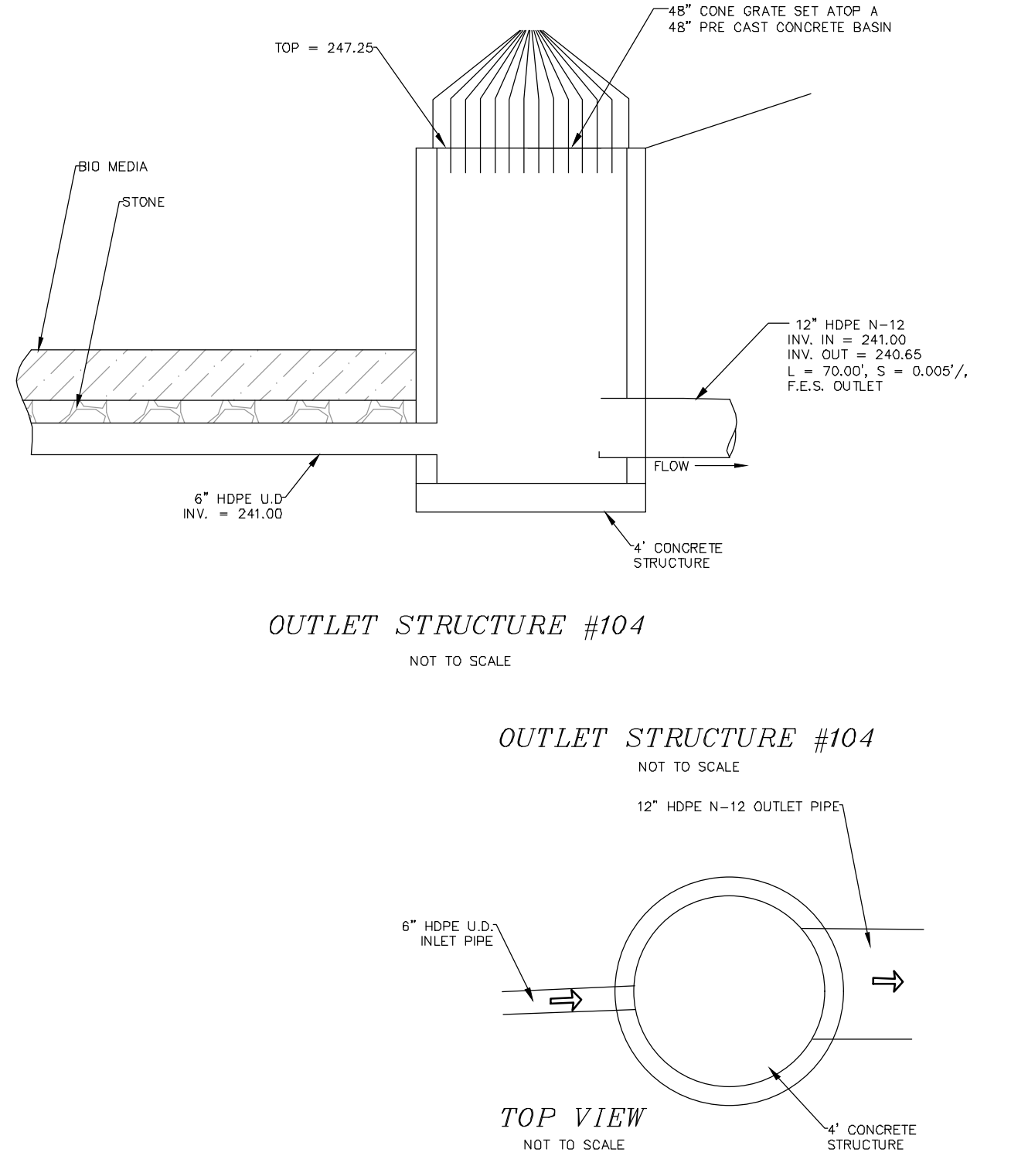
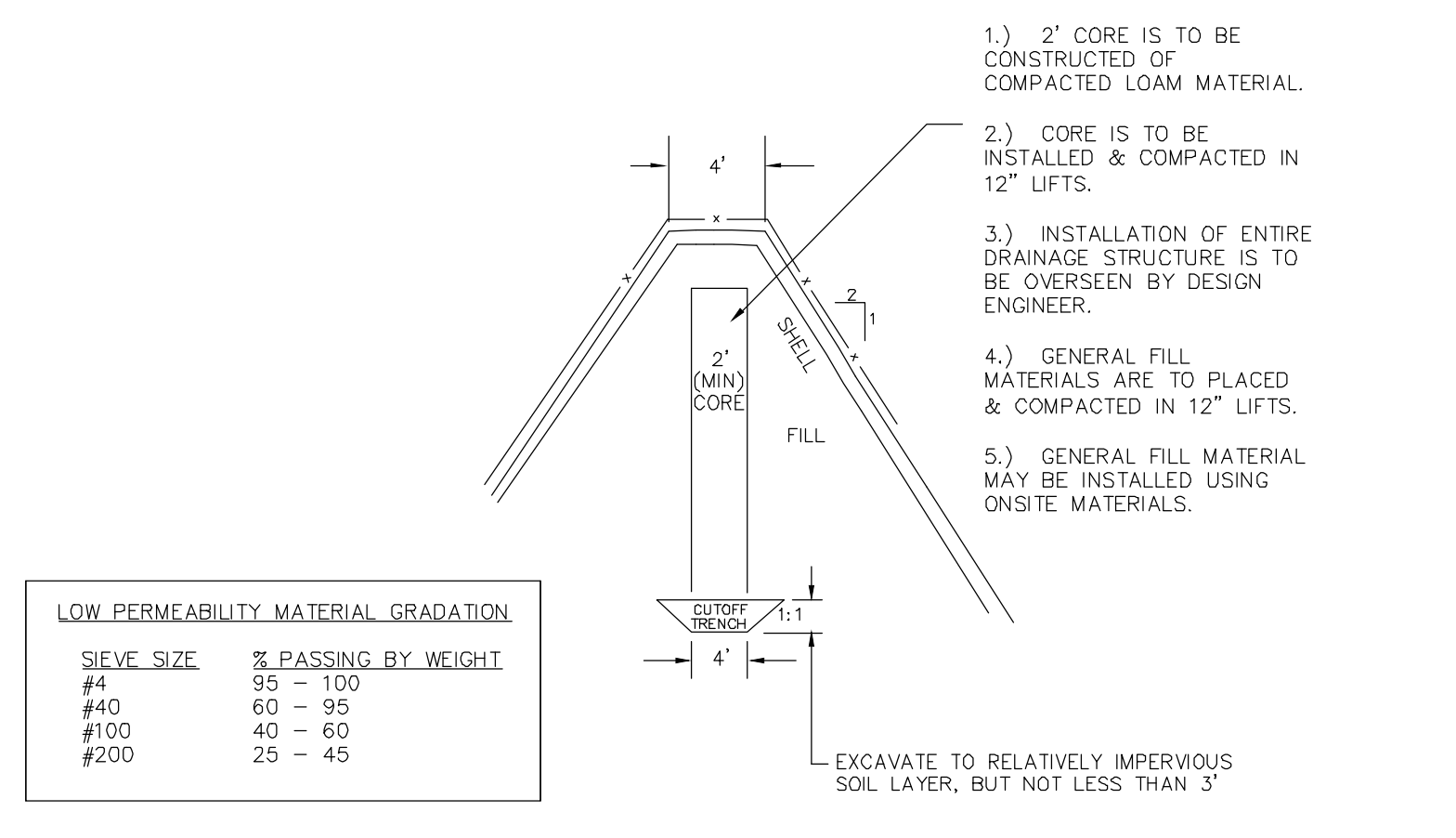
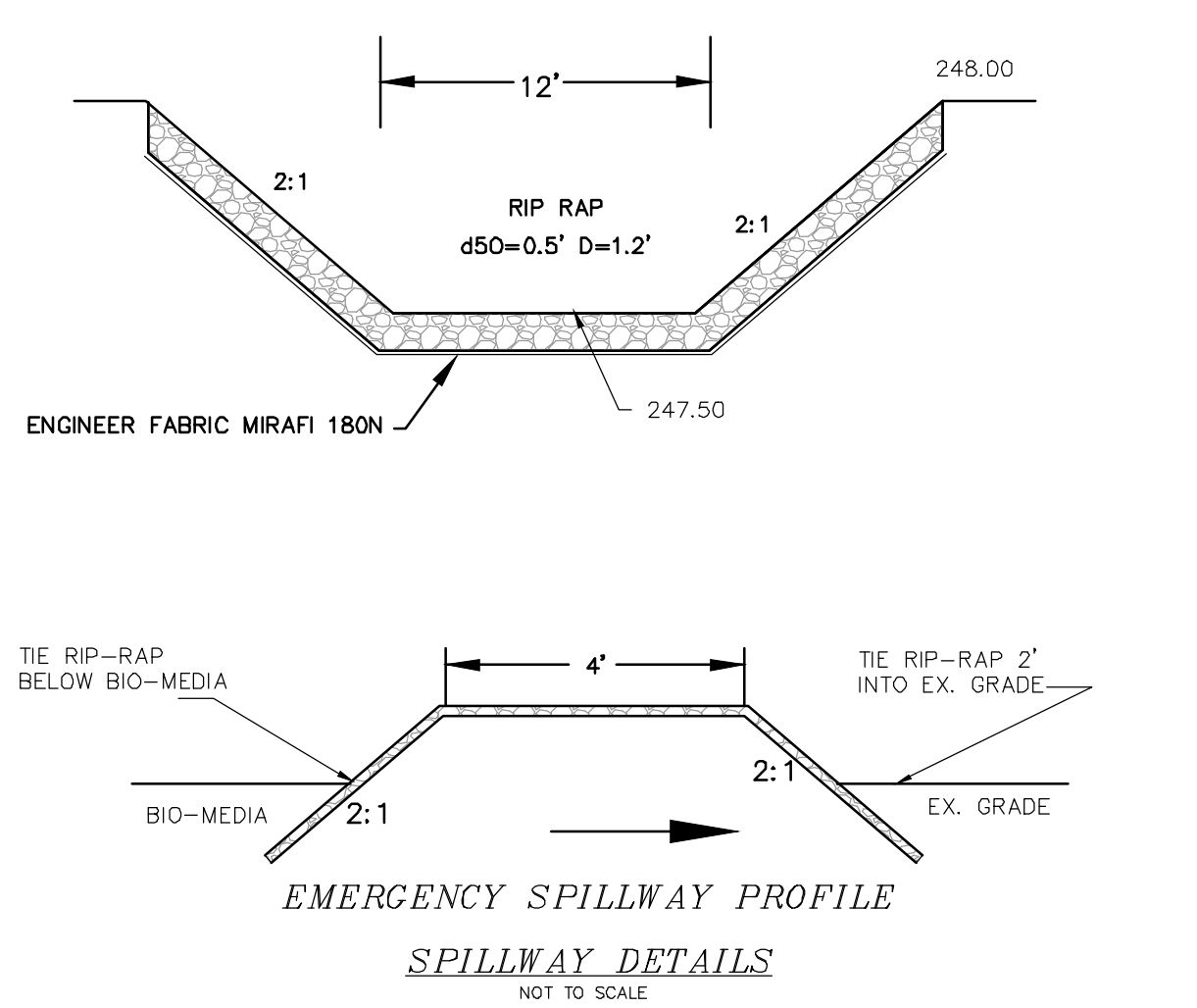
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DESIGN REFERENCES

- UNH STORMWATER CENTER
- NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

RAIN GARDEN MIX

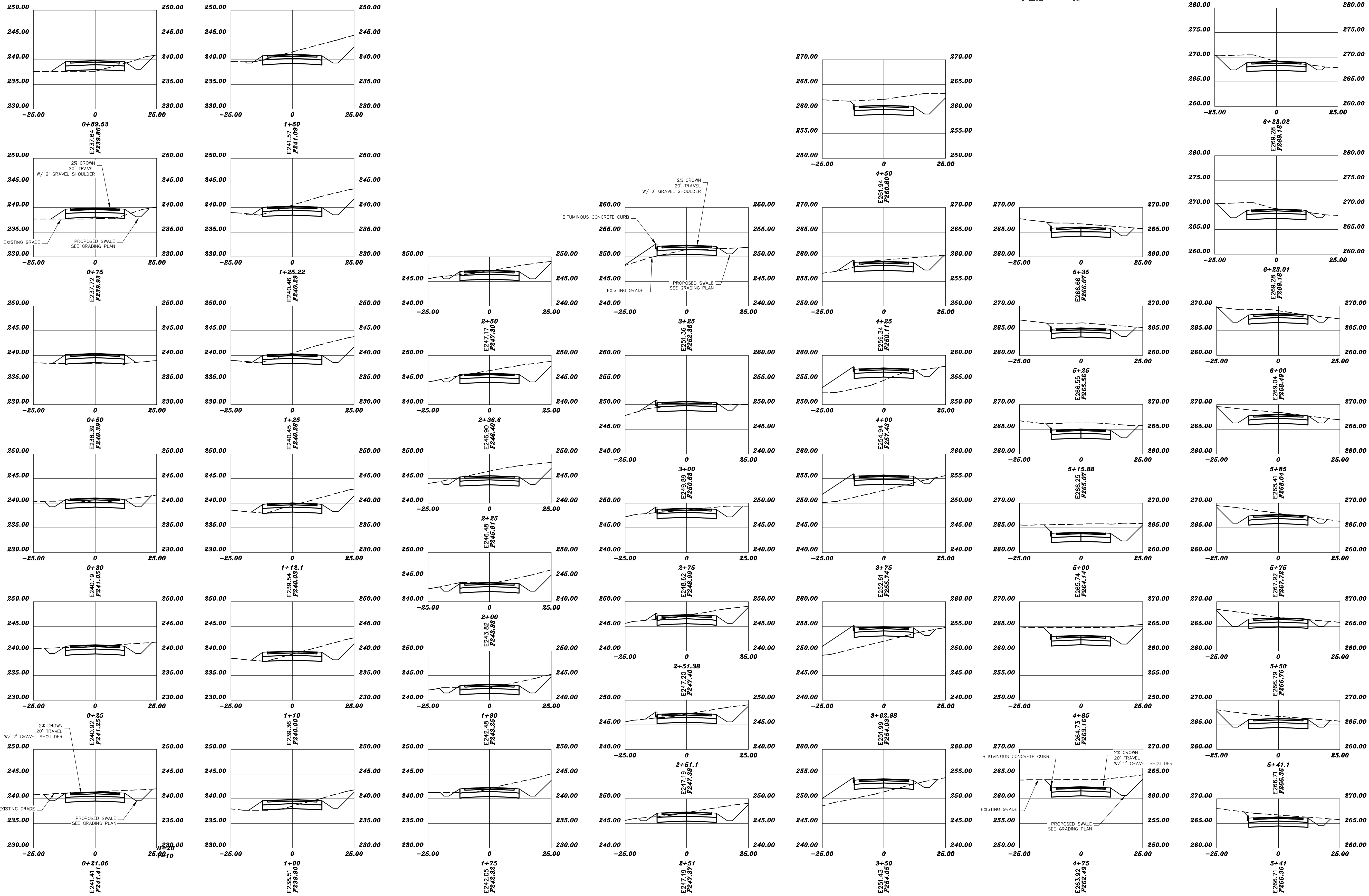
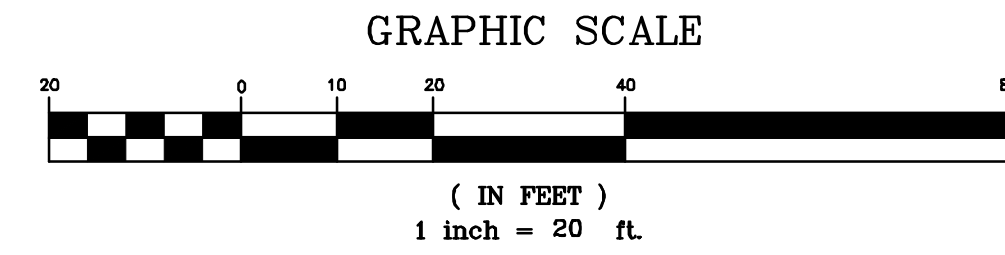
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REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

RAIN GARDEN #106 & #107
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE: 1 IN. EQUALS 20 FT.
 DATE: JUNE 3, 2019
 FILE NO.: DB 2018 - 030

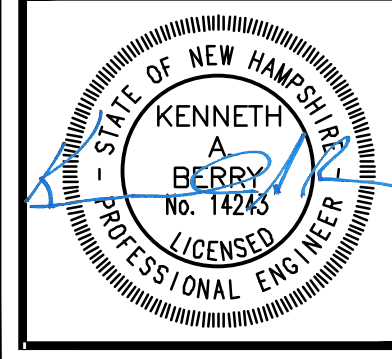


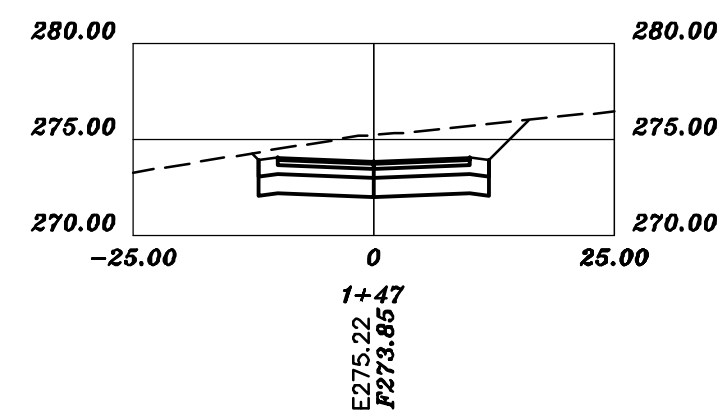
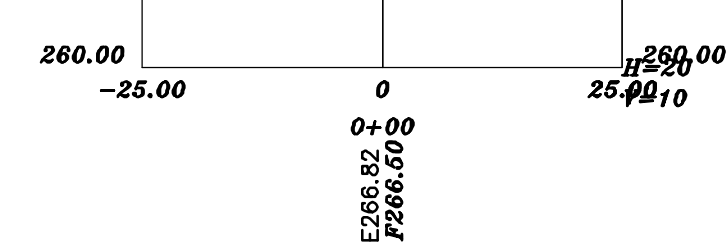
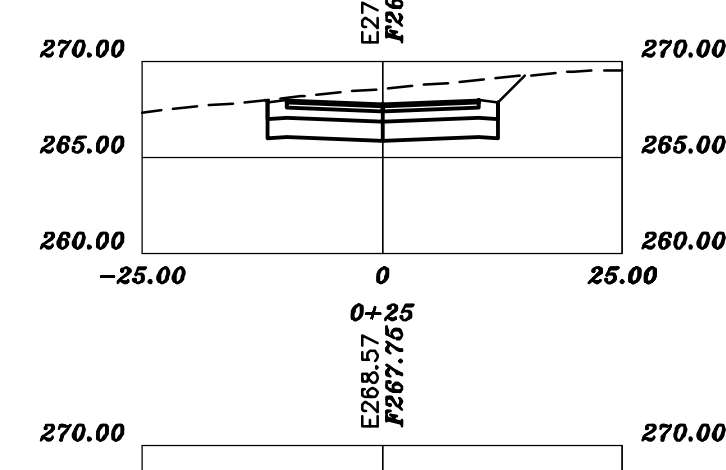
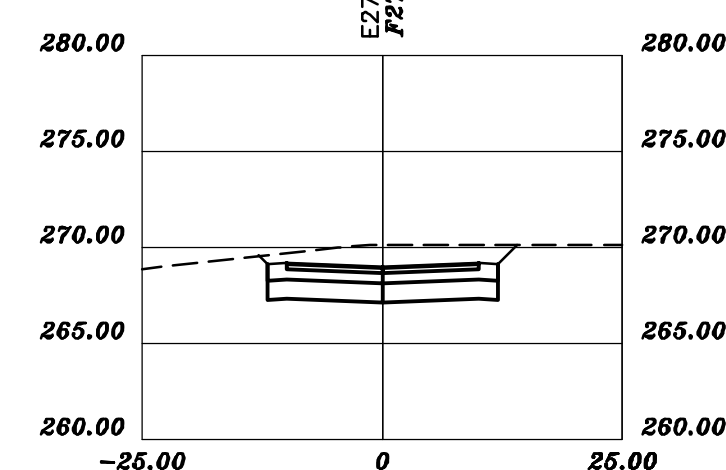
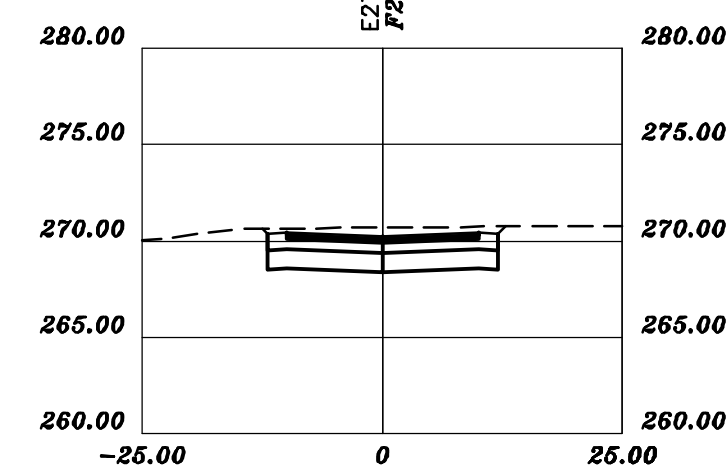
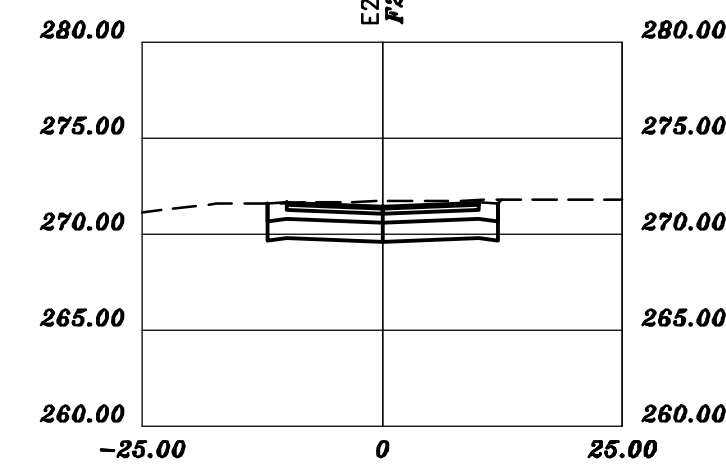
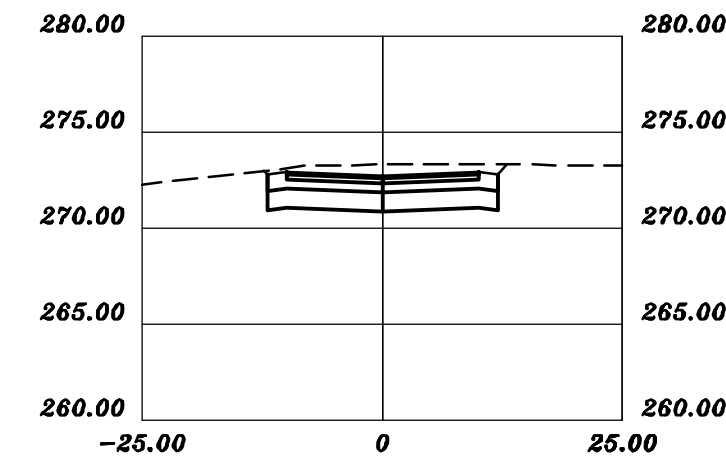
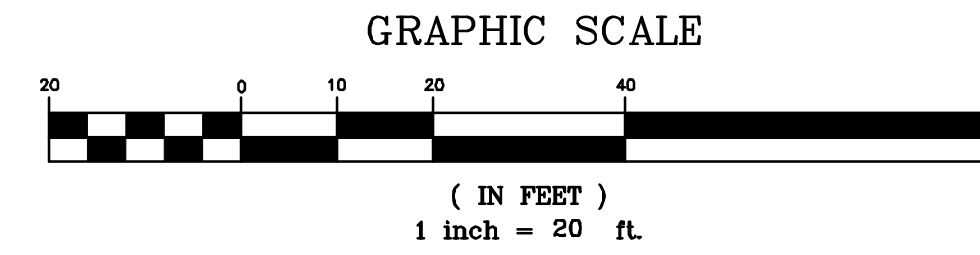
REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

CROSS SECTIONS SERA DRIVE 0+11.70 - END

LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 3, 2019
FILE NO. : DB 2018 - 030

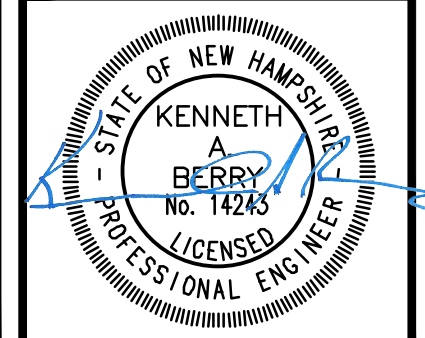




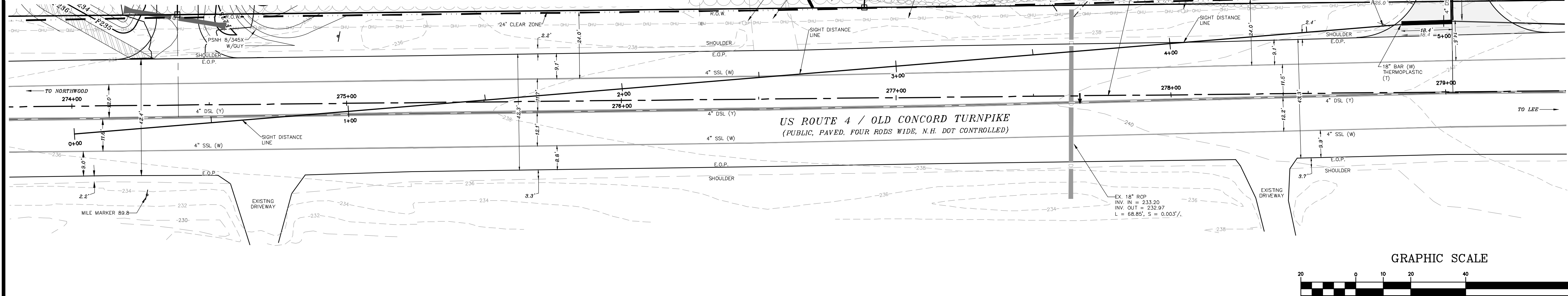
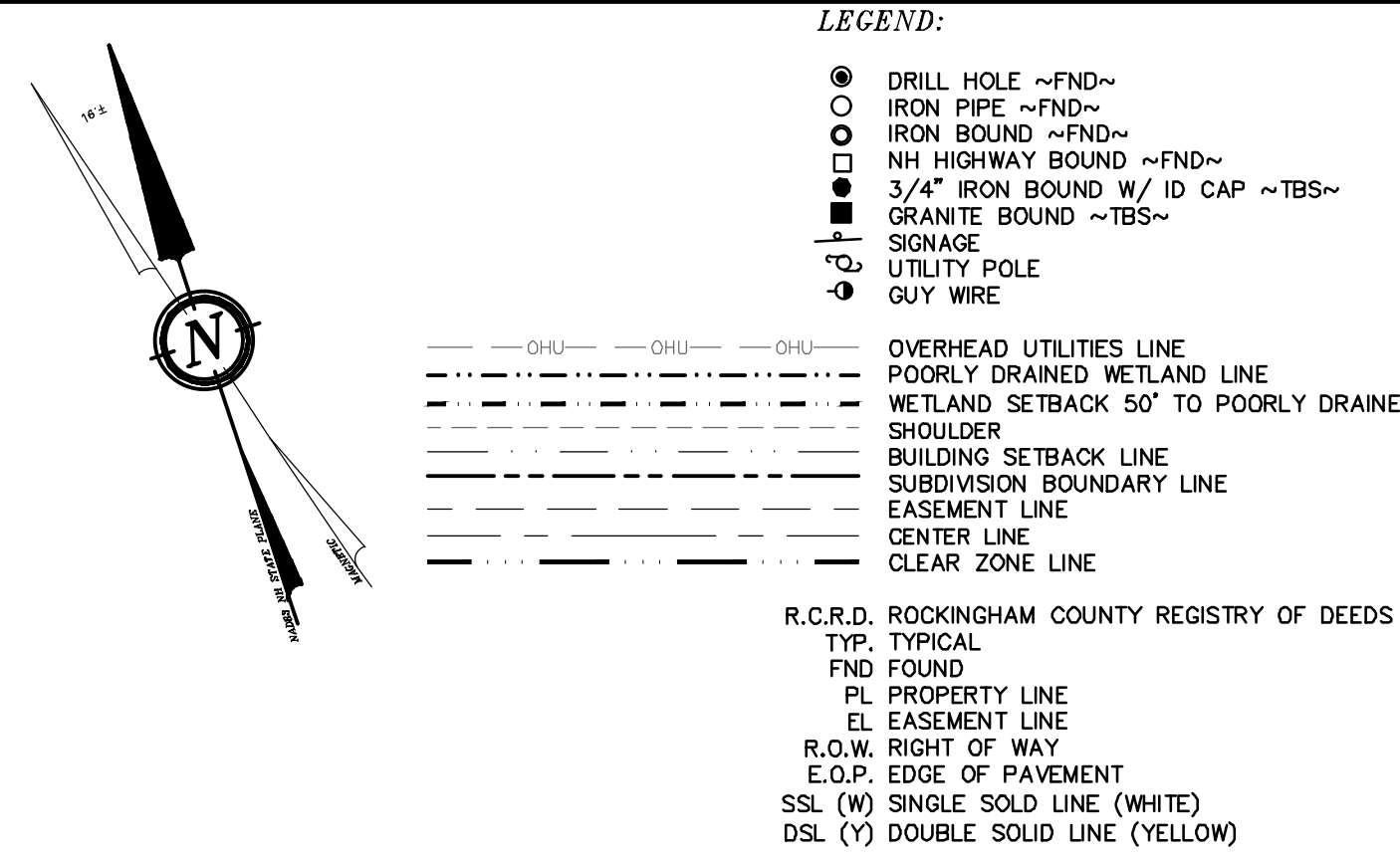
REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

CROSS SECTIONS SERA DRIVE EXTENSION
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

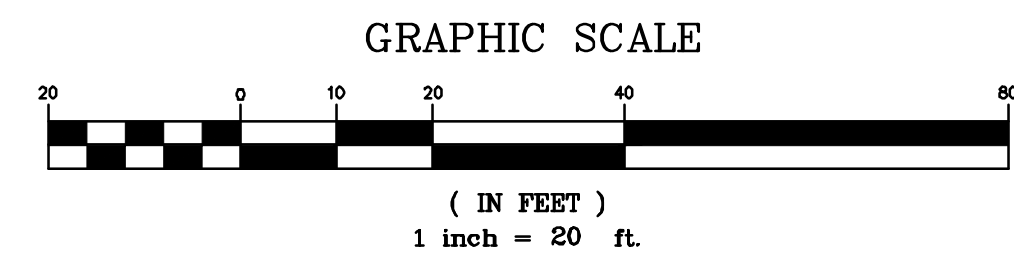
BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 20 FT.
 DATE : JUNE 3, 2019
 FILE NO. : DB 2018 - 030



- NOTES:**
- OWNER: DOMUS DEVELOPERS INC.
11 WHITEHORSE DRIVE
RYE, NH 03870
 - TAX MAP 6, LOT 22
 - LOT AREA: 1.164.698 Sq. Ft., 26.74 ACRES
 - R.C.R.D. BOOK 5977, PAGE 2799
 - THIS IS A RESIDENTIAL SITE PLAN.
 - THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE AVAILABLE SIGHT DISTANCE FROM THE PROPOSED ROADWAY KNOWN AS SERA DRIVE.
 - EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 2' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.
 - THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2016. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
 - SEE NHDOT-5 FOR REMAINING NOTES AND ENTRANCE DETAILS.



PLAN VIEW US ROUTE 4 / OLD CONCORD TURNPIKE

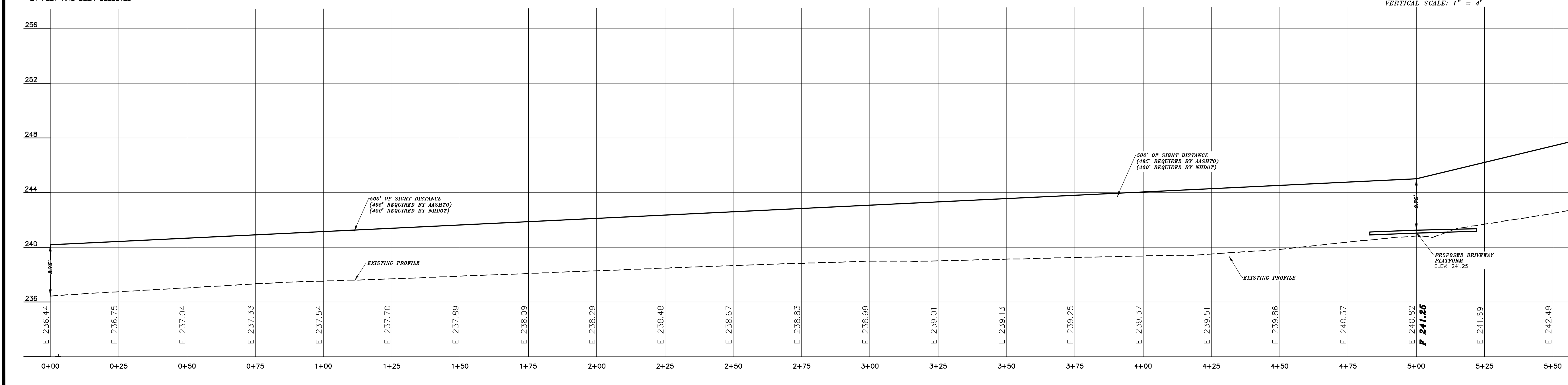
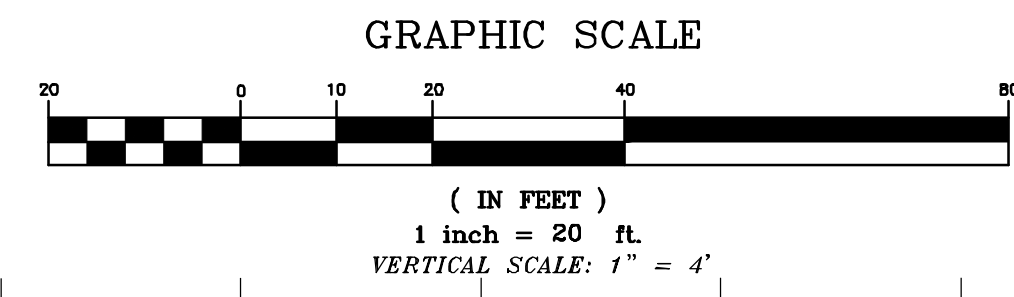


CLEAR ZONE CALCULATION:
DESIGN SPEED: 50 MPH / 85TH ASSUMED 55 MPH
WESTBOUND DESIGN ADT (2017): 5,597 (NHDOT)
FROM AASHTO ROADSIDE DESIGN GUIDE (2004) TABLE 3.1 PAGE 3-6
CLEAR ZONE REQUIRED TO BE 24-30 FEET (1V:5H TO 1V:4H)
-24 FEET HAS BEEN SELECTED

SIGHT DISTANCE REQUIREMENT:
DESIGN SPEED: 50 MPH / 85TH ASSUMED 55 MPH
WESTBOUND: DOWNGRADE 5%, 542 FEET REQUIRED (INTERPOLATION) (550 FEET PROVIDED)
EASTBOUND: UPGRADE <3%, 495 FEET REQUIRED (500 FEET PROVIDED)
FROM AASHTO GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (2011) EXHIBIT 3.1 & 3.2

PROFILE VIEW SIGHT LINE

ROAD NOTE:
US ROUTE 4 / OLD CONCORD TURNPIKE;
CLASS 1 PAVED
4 RODS WIDE, NH STATE PAPERS - BOOK 18, PAGE 859

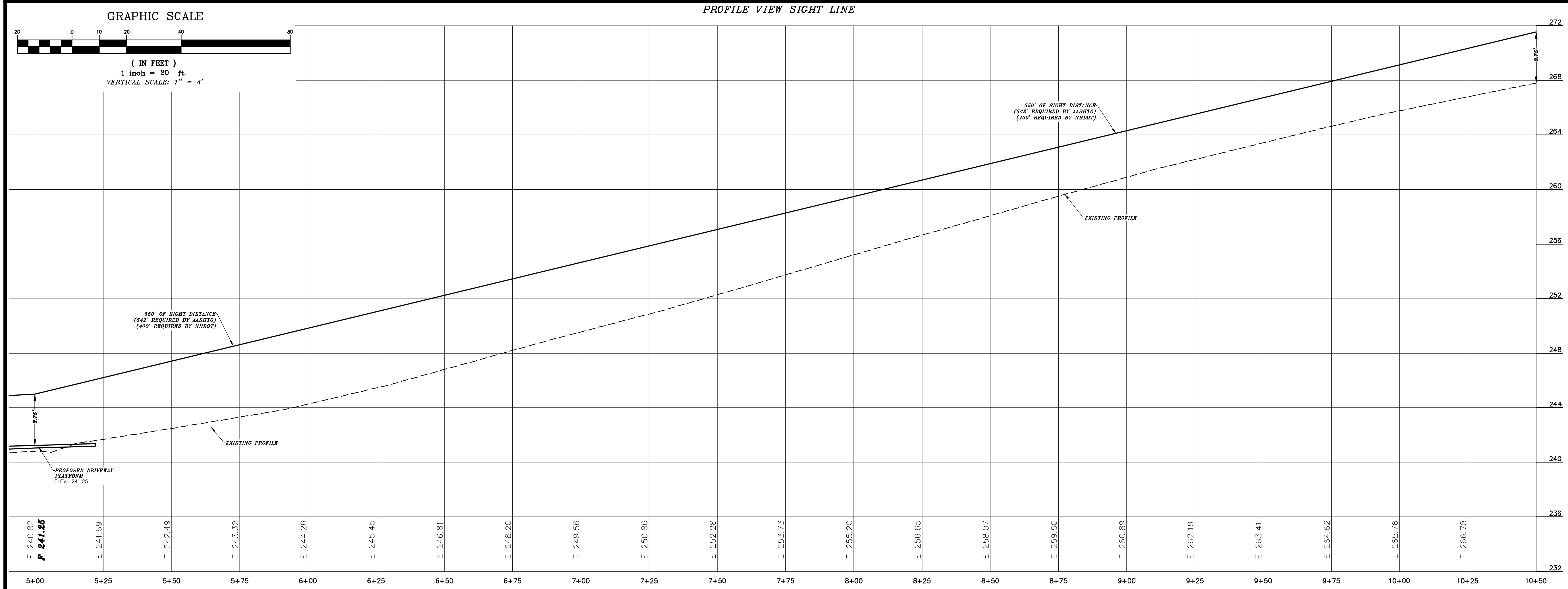
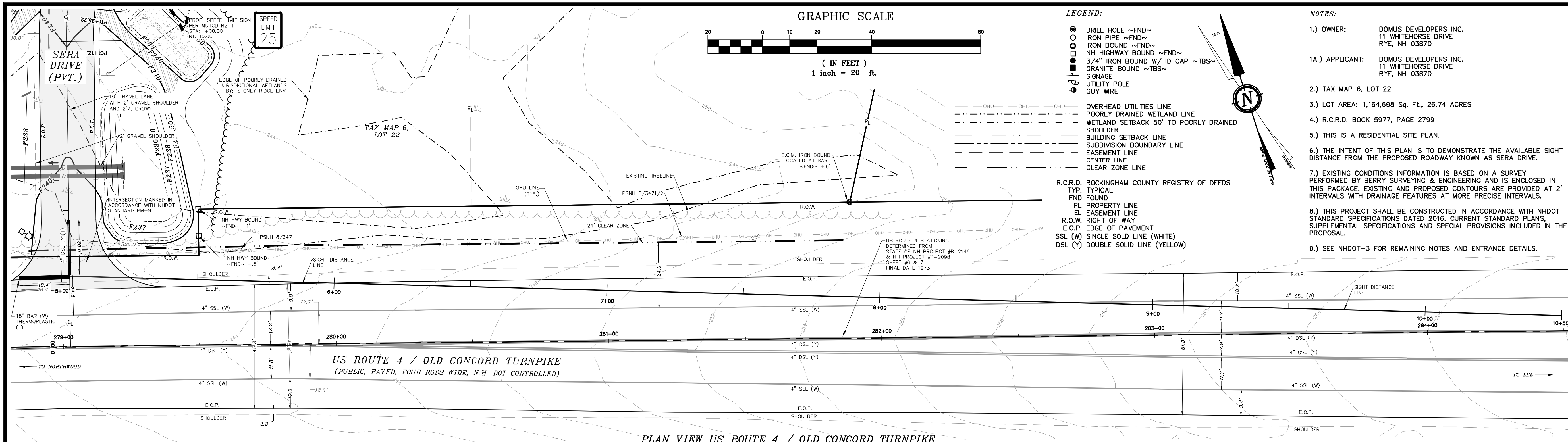


NHDOT-1

REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

SIGHT DISTANCE SERA DRIVE WESTBOUND
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

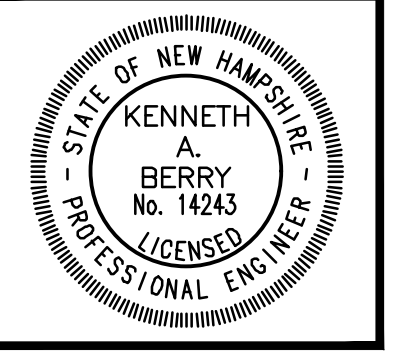
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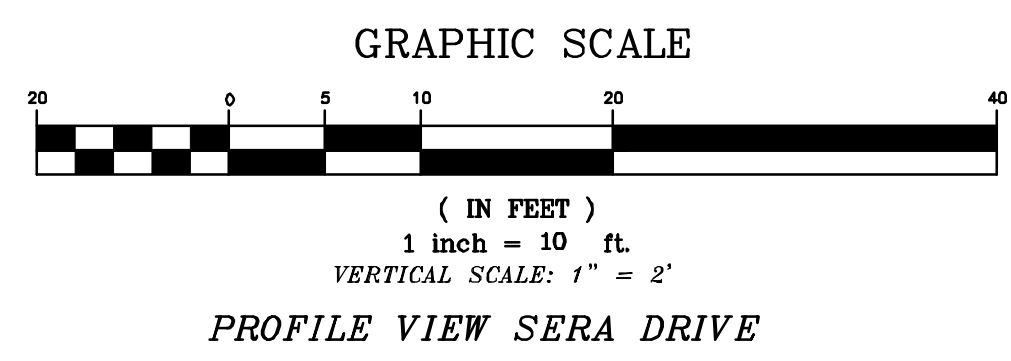
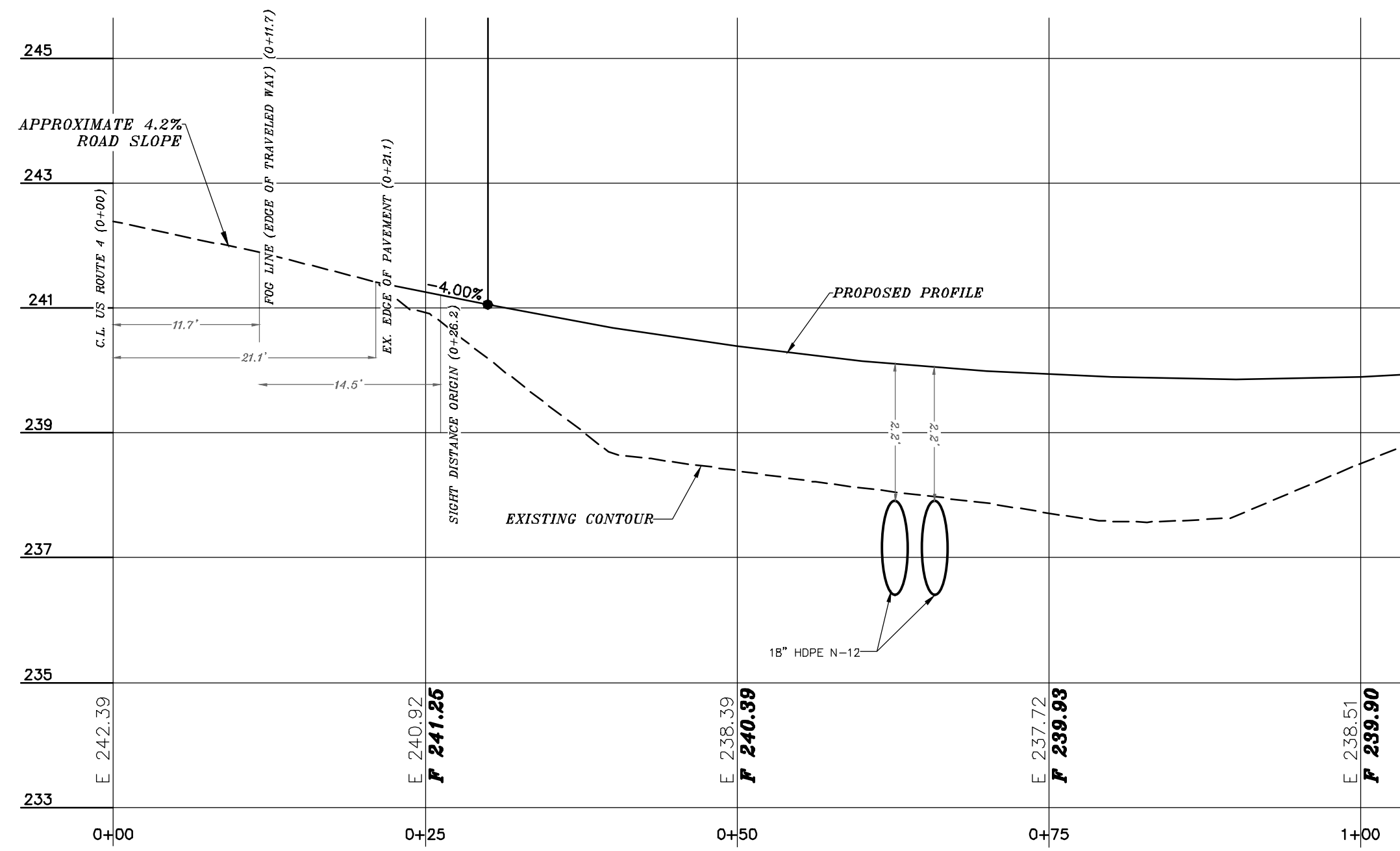
REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

SIGHT DISTANCE SERA DRIVE EASTBOUND
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

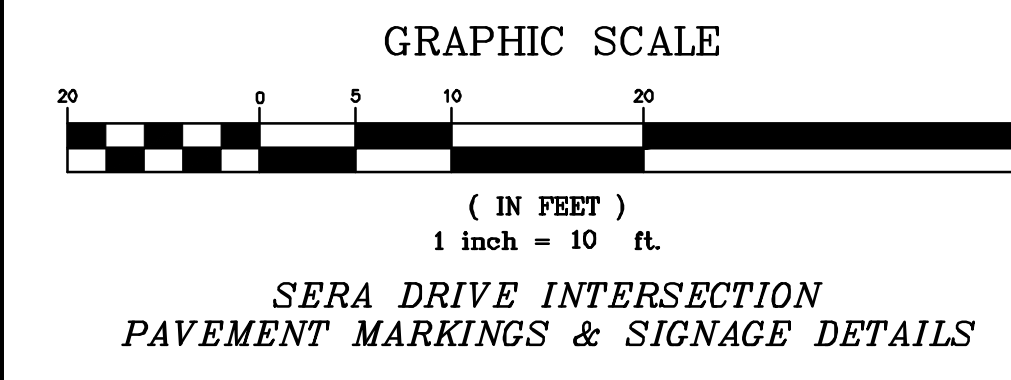
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NHDOT-2

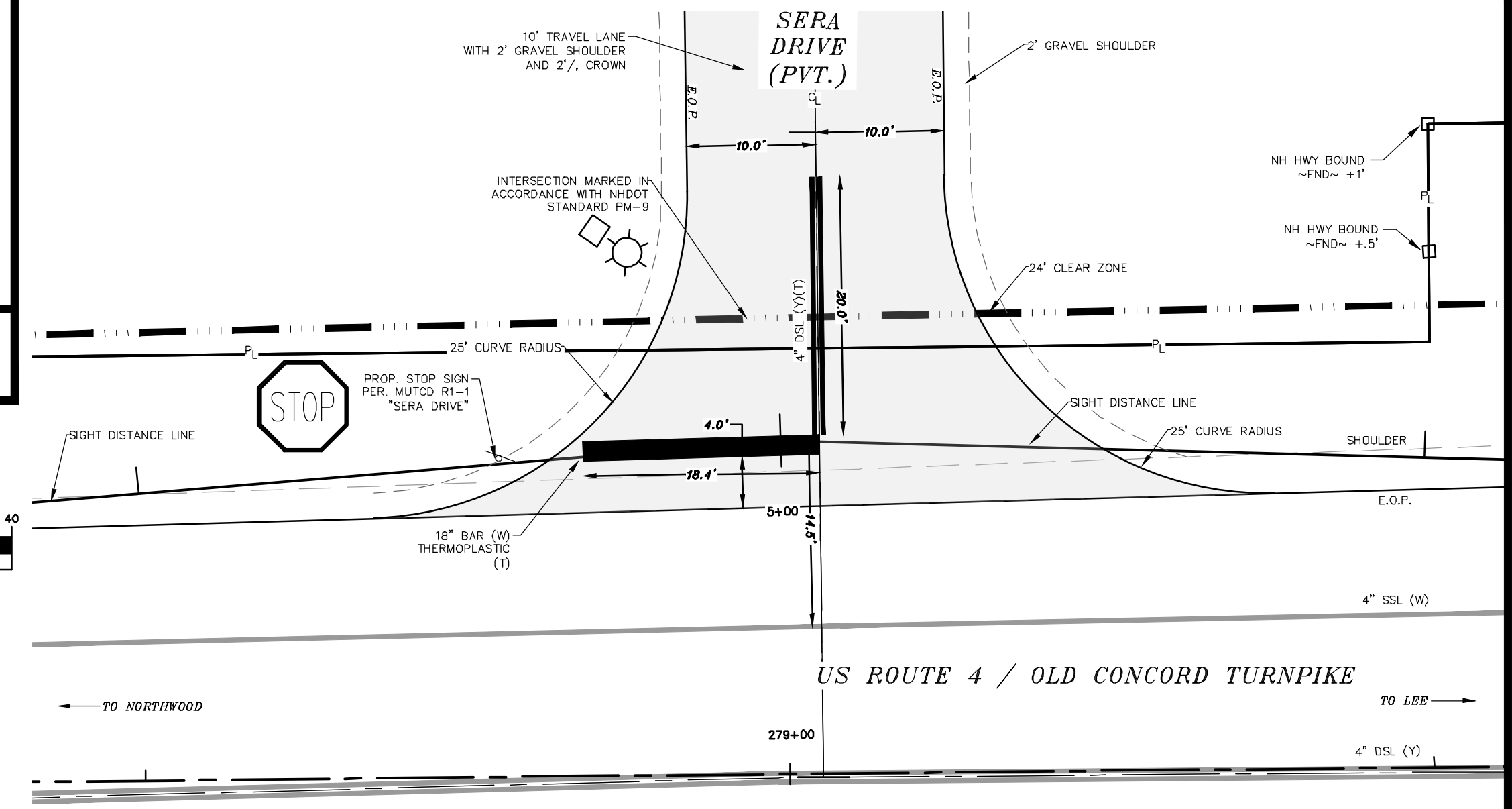


DETAIL-1



SERA DRIVE INTERSECTION
PAVEMENT MARKINGS & SIGNAGE DETAILS

DETAIL-2



NOTES CONT.:

10.) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES CALL "DIG-SAFE" 1-888-DIGSAFE (344-7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION

11.) WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

NOTES CONT.:

12.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.

13.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

14.) THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE & RESET" (R & R).

15.) ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.

NOTES CONT.:

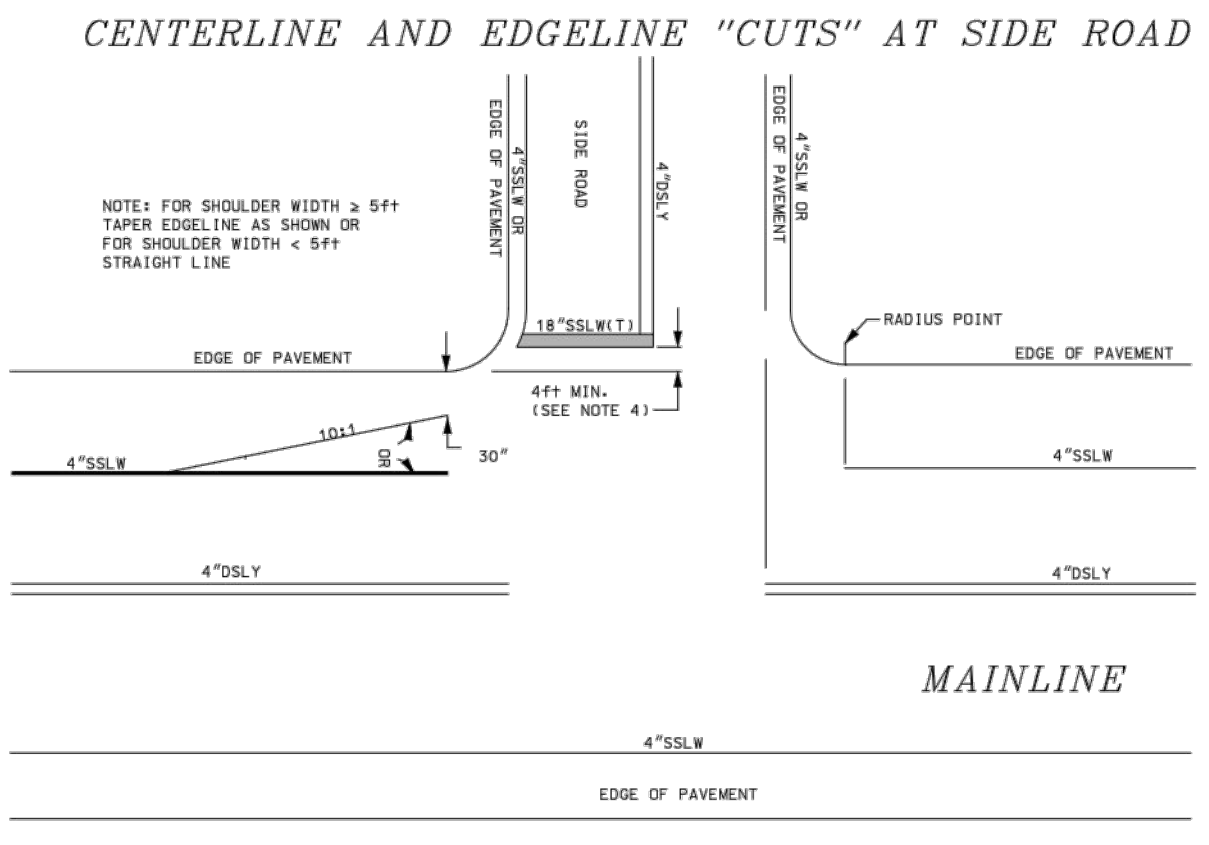
16.) ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH (T) SHALL BE THERMOPLASTIC.

17.) ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL HAVE LOAM PLACED AND SEEDED. THE LOAM SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHALL BE PLACED FLUSH WITH THE TOP OF THE ADJACENT CURB, EDGING, BERM OR PAVEMENT SURFACE.

18.) THE CONTRACTOR SHALL CONTACT THE NHDOT BUREAU OF TRAFFIC AT (603) 271-2291 ONE WEEK PRIOR TO PAVEMENT MARKINGS.

19.) ALL PAVEMENT MARKINGS TO BE PAINTED TO NHDOT STANDARD NO. PM-9.

20.) THE SPEED LIMIT ON US ROUTE 4 ROAD IS 50 MPH.



PM-9 GENERAL NOTES

1.) EDGELINE DETAILS ARE SHOWN FOR MAINLINE ROADWAYS WITHOUT TURN LANE. THE PRESENCE OF TURN LANES MAY REQUIRE DIFFERENT EDGELINE TREATMENTS.

2.) EDGELINES ON THE SIDE ROADS, WHEN CALLED FOR, SHALL FOLLOW THE ABOVE MAINLINE TYPICALS. EDGELINES SHALL NOT BE CONTINUOUS AROUND THE MAINLINE/SIDE ROAD RADIUS. EDGELINES SHALL END AT STOP BARS.

3.) CENTERLINE AND EDGELINE SHALL BE CONTINUOUS PAST RESIDENTIAL DRIVEWAYS. CENTERLINE AND EDGELINE SHALL BREAK FOR COMMERCIAL DRIVES W/TRAFFIC CONTROLS, MINOR SIDE ROADS, OR PRIVATE INTERSECTIONS.

4.) LOCATION OF THE STOP LINE MAY VARY DUE TO INTERSECTION SIGHT DISTANCE AND VEHICLE TURNING RADIUS AND MAY NOT ALWAYS COINCIDE WITH THE LOCATION OF THE STOP SIGN.

5.) IF THERE IS NO EDGELINE, END STOP BAR 12" FROM EDGE OF PAVEMENT.

6.) STOP BARS, WORDS, LANE LINES, SYMBOLS AND ARROWS SHALL BE THERMOPLASTIC (T).

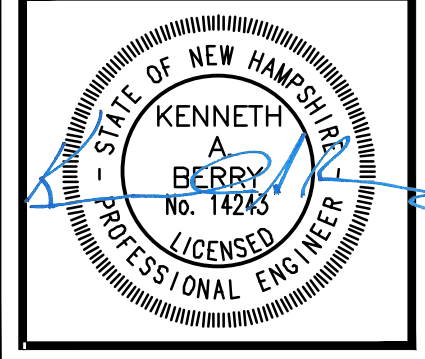
DETAIL-3 **DETAIL-4**

NHDOT-3

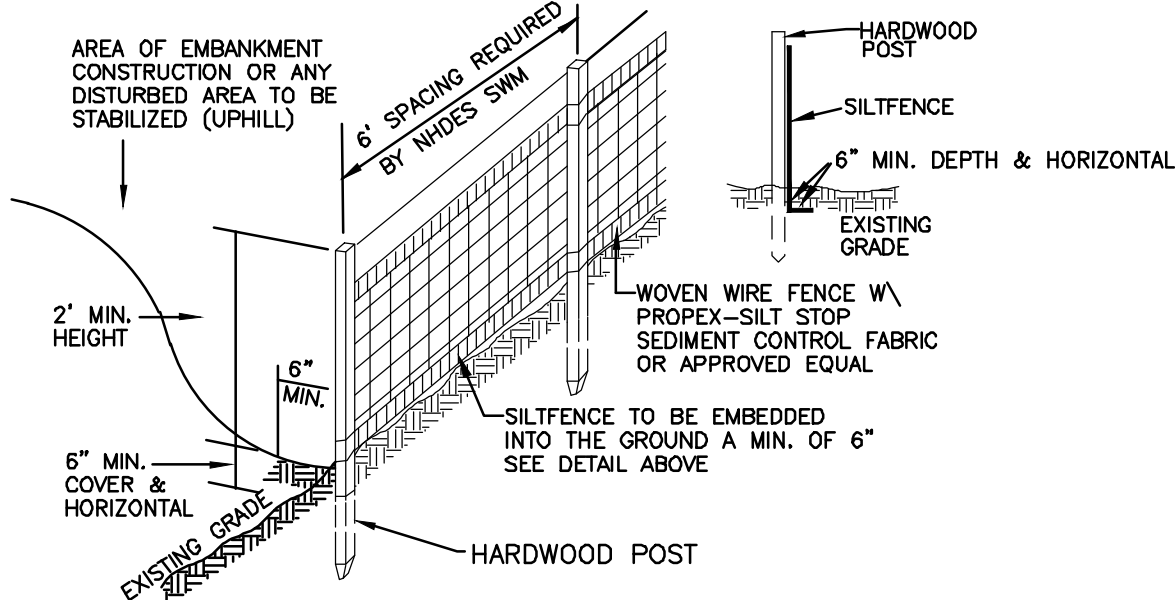
REVISION	DATE	DESCRIPTION
#1	8-15-19	REVISE PER PEER REVIEWS

NHDOT DETAILS
LAND OF
DOMUS DEVELOPERS INC.
US ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 10 FT.
DATE : JUNE 3, 2019
FILE NO. : DB 2018 - 030



E1



SILT FENCE CONSTRUCTION SPECIFICATIONS

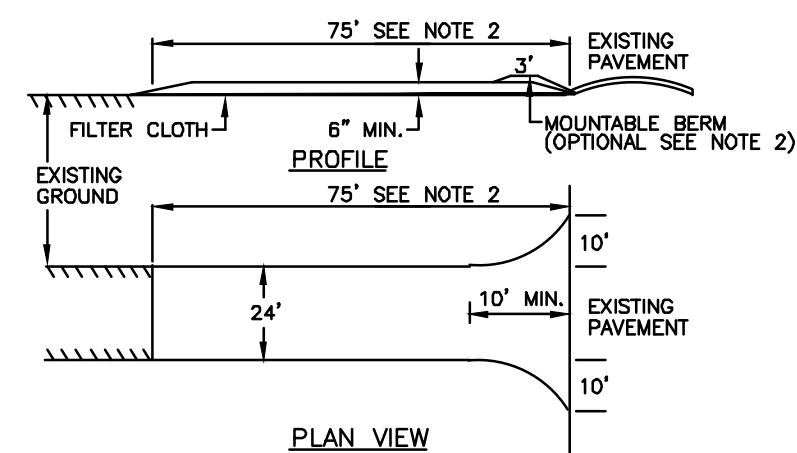
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 6" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEEDING FROM BY-PASSING.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF. SEE MAINTENANCE NOTE BELOW, REMOVAL OF SEDIMENT REQUIRED AT A DEPTH OF 6-INCHES.
4. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
5. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
6. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
7. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

SILT FENCE MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

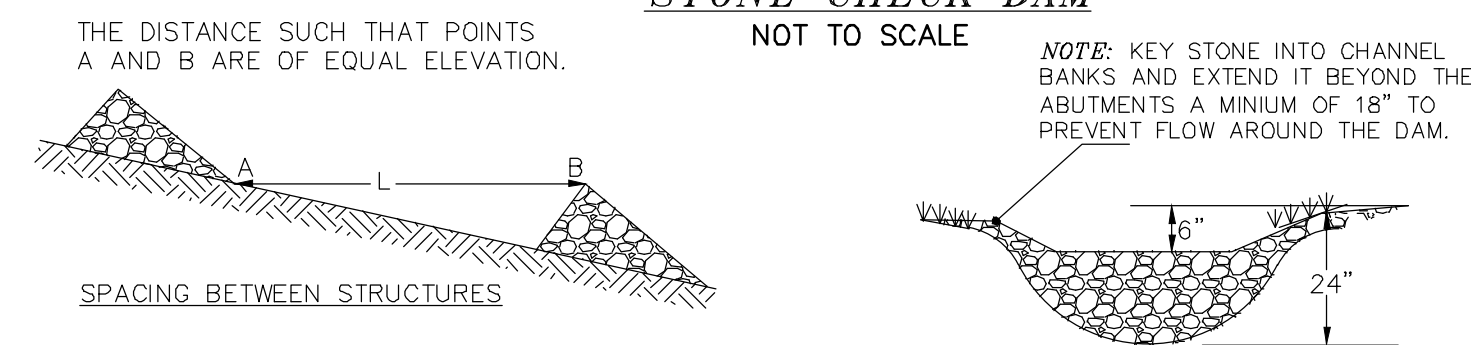
SILT FENCE DETAIL
NOT TO SCALE

E5 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

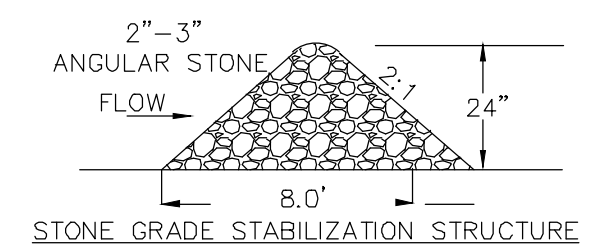


1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
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, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
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 REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTION EXIT, PAGE 124.

STONE CHECK DAM
NOT TO SCALE

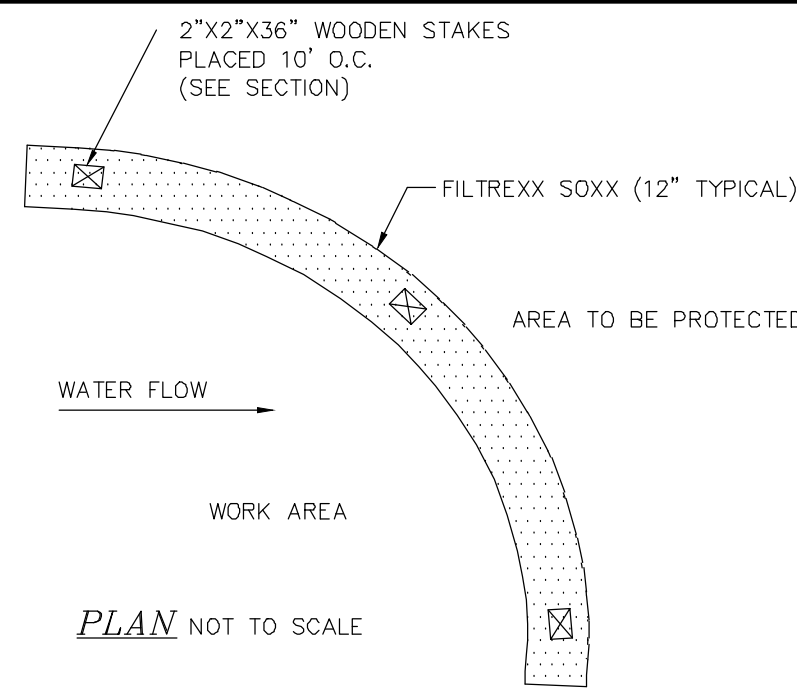


1. CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THAN ONE ACRE.
3. THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
4. THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.
5. THE MAXIMUM SPACING IS AS SHOWN ON THE PROJECT SITE PLANS.
6. CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM.
7. TEMPORARY CHECK DAMS WILL BE REMOVED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.
8. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CHECK DAMS, PAGE 114.



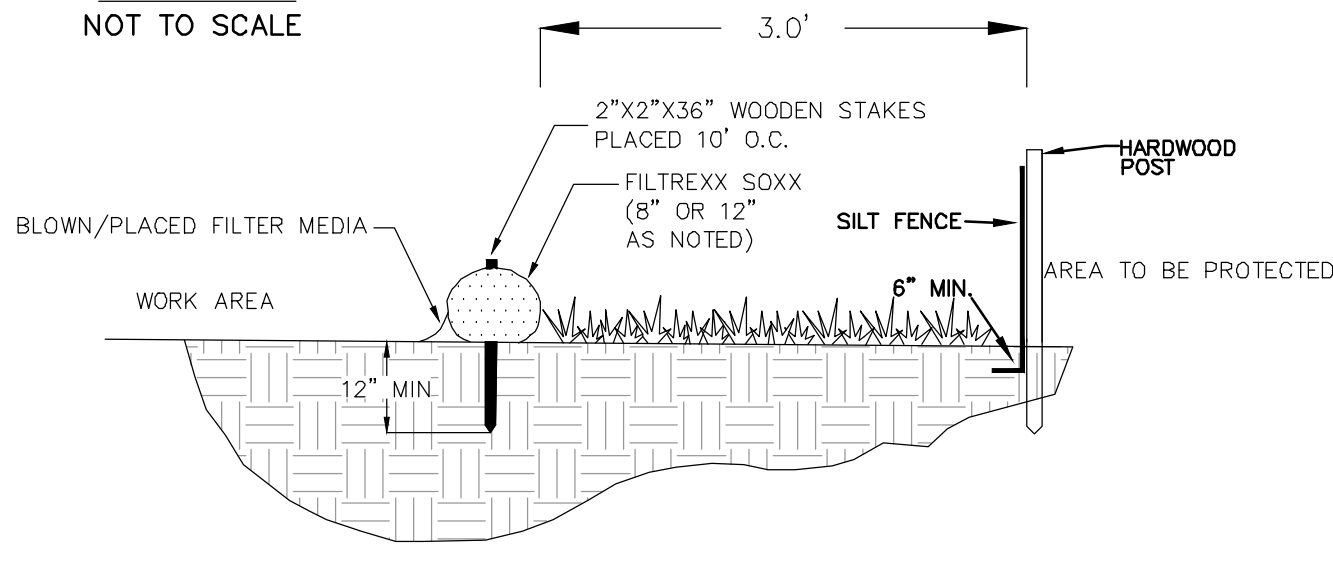
E10

E11



- NOTES**
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
 4. SILT/ROCK MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
 5. SILT/ROCK COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIREMENTS OF THE SPECIFIC APPLICATION.
 6. FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXX INTERNATIONAL, LLC.
 7. SILT FENCE IS NOT A SUBSTITUTION FOR SILT SOXX AND ANY EQUAL SUBSTITUTION TO BE APPROVED.
 8. TO BE CONSTRUCTED IAW FILTREXX, SECTION 1: EROSION & SEDIMENT CONTROL (PAGE 323) - CONSTRUCTION ACTIVITIES, SWPPP CUT SHEET, FILTREXX SEDIMENT CONTROL.

FILTREXX SEDIMENT CONTROL
NOT TO SCALE

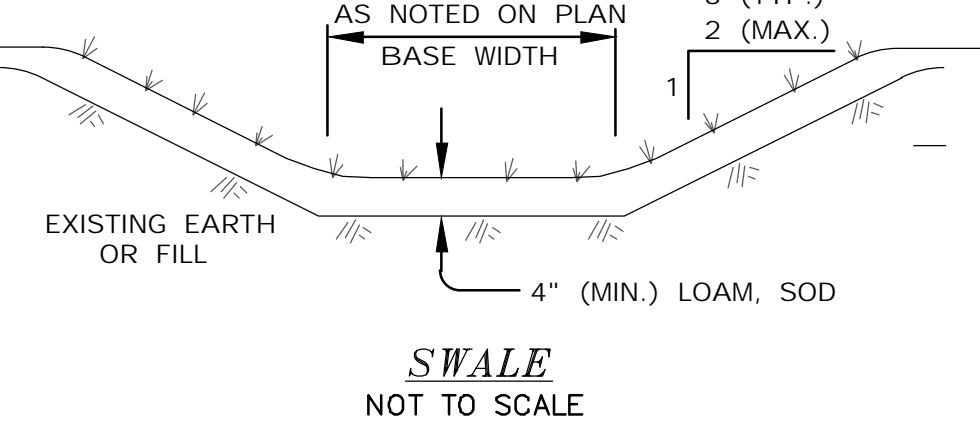


Filtrex International, LLC
35481 Grafton Eastern Rd | Grafton, Oh 44044
440-926-2807 | fax: 440-926-4021
WWW.FILTREXX.COM
OR APPROVED EQUAL

NOTE: FOR AREAS REQUIRING DOUBLE PERIMETER CONTROL WITHIN 50' OF JURISDICTIONAL WETLANDS AND NOT FOR ALL SILT SOXX APPLICATIONS, THIS DUPLICATION MAY BE SPECIFIED AS 12" SILT SOXX OR ORANGE CONSTRUCTION FENCE AS NOTED.

SECTION NOT TO SCALE

E3



INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY.

MOW GRASS ANNUALLY TO A DEPTH OF 4".
INSTALL STABILIZATION MATTING DURING CONSTRUCTION

TO BE CONSTRUCTED IAW NH SWM #2 CHAPTER 4, #5 TREATMENT SWALES, PAGE 123.

E7

DEFINITION OF STABLE:

PER ENV-WQ 1500 ALTERATION OF TERRAIN

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

ADDITION STABILIZATION NOTES:

5. HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.
6. DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN FIFTY (50) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

E9

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES

d50 SIZE=	0.5 FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	9	12
85%	8	11
50%	6	9
15%	2	3

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES

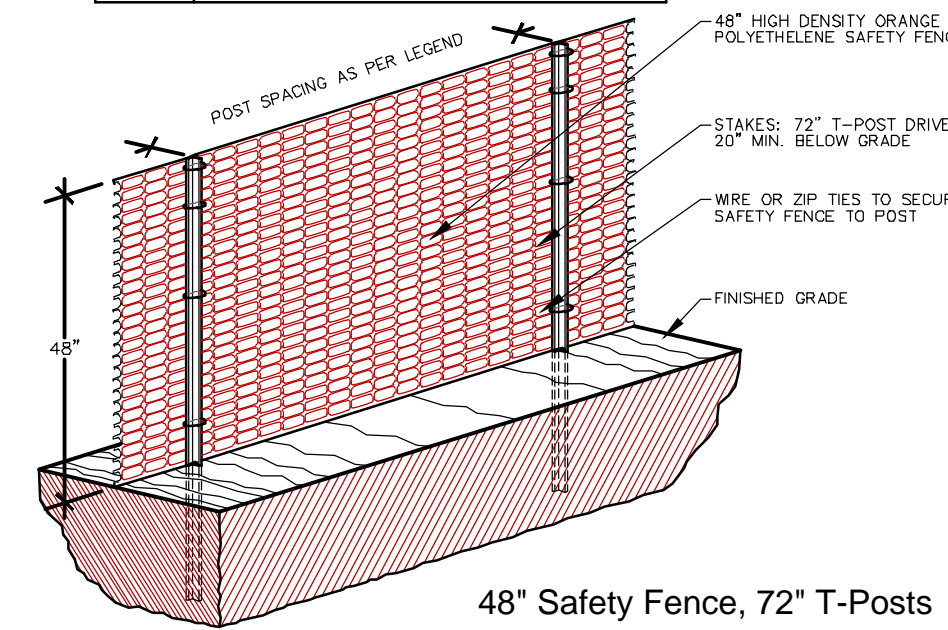
d50 SIZE=	1.0 FEET	12 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	18	24
85%	16	22
50%	12	18
15%	4	6

E4

CONSTRUCTION SAFETY FENCE
NOT TO SCALE

LEGEND

SAF12	48" ORANGE FENCE, 12 FEET O.C.
SAF11	48" ORANGE FENCE, 11 FEET O.C.
SAF10	48" ORANGE FENCE, 10 FEET O.C.
SAF9	48" ORANGE FENCE, 9 FEET O.C.
SAF8	48" ORANGE FENCE, 8 FEET O.C.
SAF7	48" ORANGE FENCE, 7 FEET O.C.
SAF6	48" ORANGE FENCE, 6 FEET O.C.



48" Safety Fence, 72" T-Posts

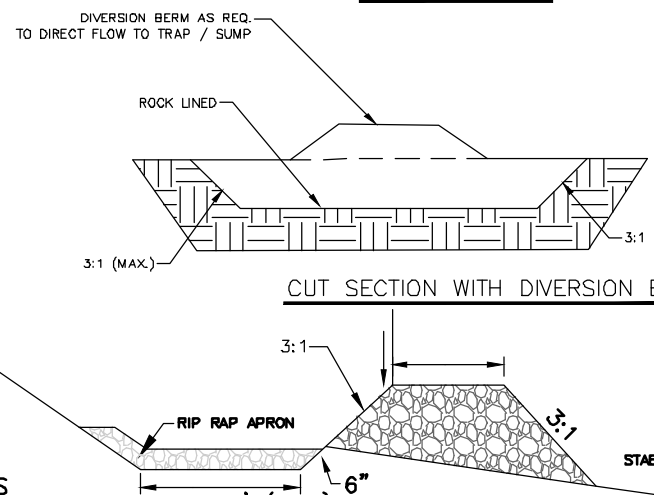
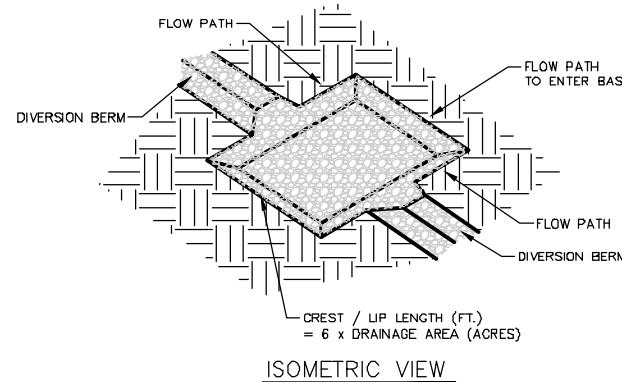
1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY 3 FEET OUTSIDE OF THE DRIP LINE OF THE TREE.
3. WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE DRIP LINE OF THE TREE.
4. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
5. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

E8

TEMPORARY EROSION CONTROL MEASURES

1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
3. ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOADED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS THIS SHEET)
4. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 45 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
5. SILT FENCES AND PERIMETER BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
6. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
7. PER THE EPA COP REQUIREMENTS THERE WILL BE REPORTS OF THE EROSION CONTROL INSPECTIONS IAW SWPPP PREPARED BY BS&E. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.5" OR GREATER RAIN EVENT.
8. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
9. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
10. DRIVEWAYS AND CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
11. STABILIZATION MEANS:
 - 11.1 BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - 11.2 A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - 11.3 A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
 - 11.4 OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
12. THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
13. THE NHDES STORMWATER MANUAL, IN THREE VOLUMES, DATED DECEMBER 2008, IS A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (NH SWM)

E12



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

STONE LINED SEDIMENT TRAP

NOT TO SCALE

CROSS SECTION

SIEVE DESIGNATION	SIZE OF STONE (INCHES)
100%	12
84-100%	6
68-83%	3
42-55%	1
8-12%	NO. 4

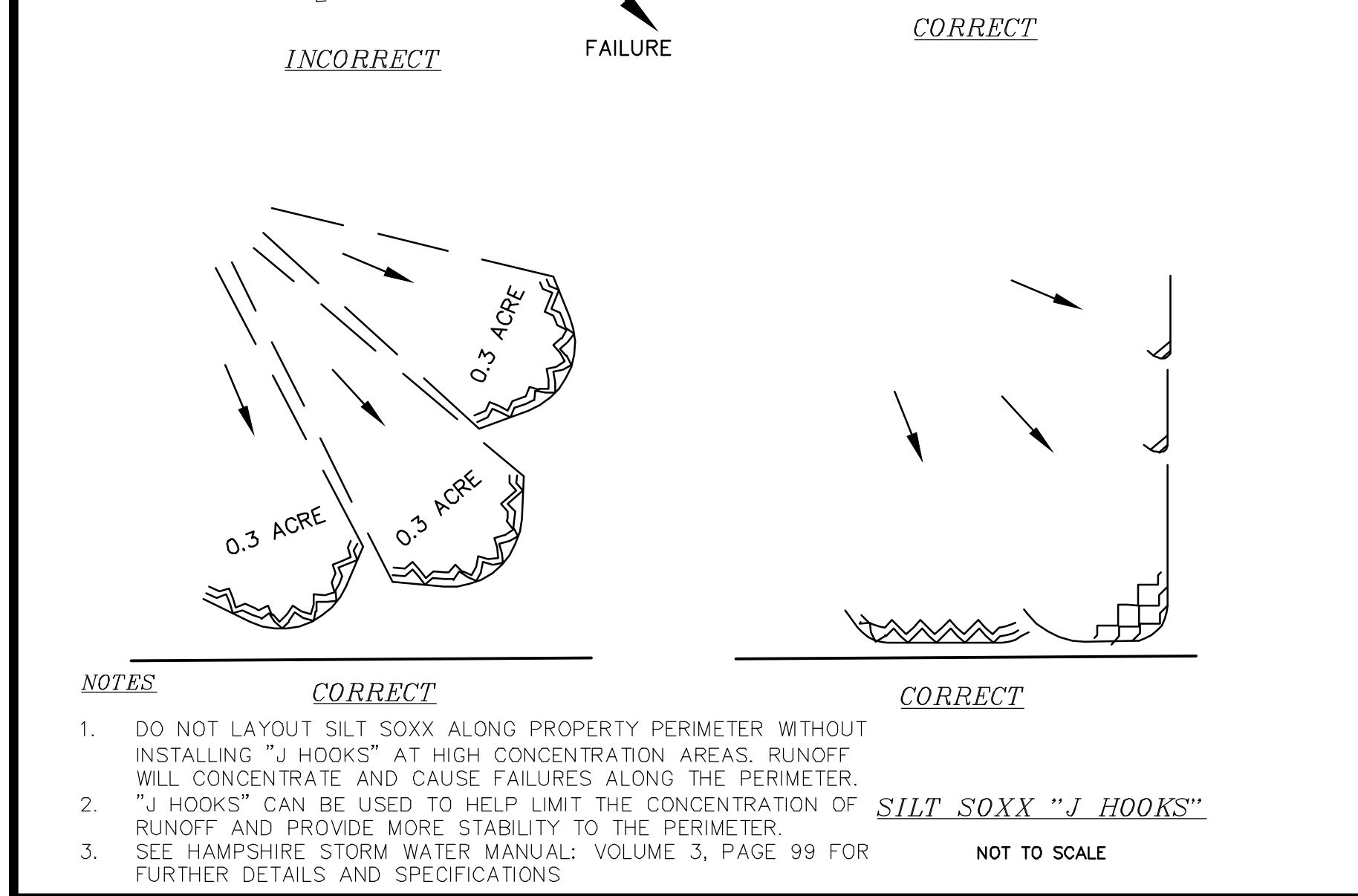
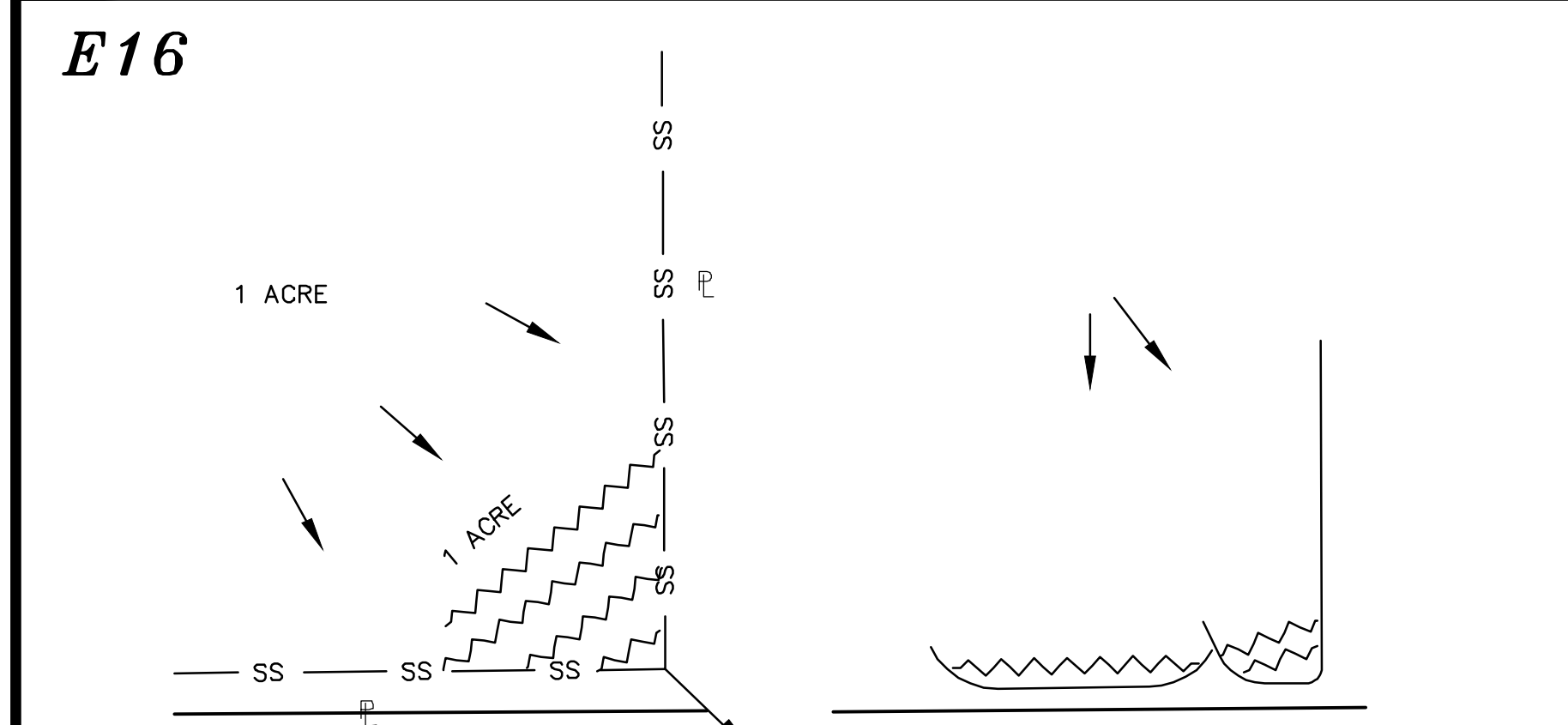
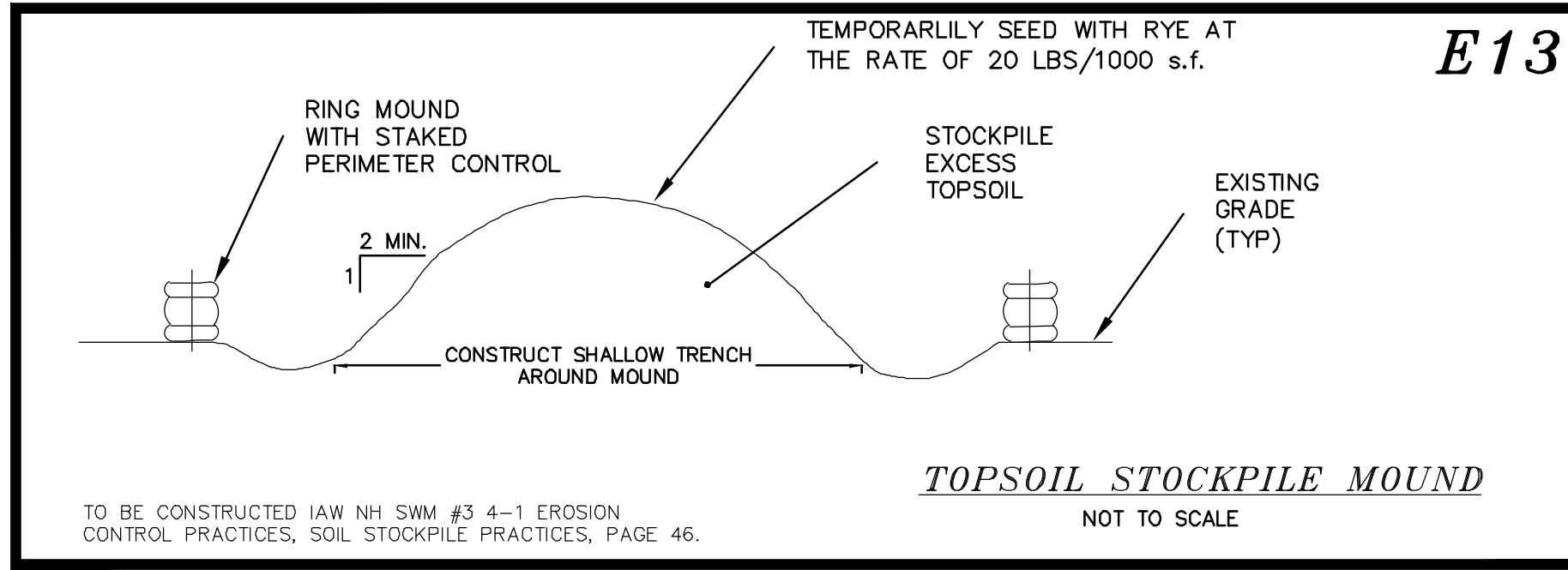
E-101

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

EROSION & SEDIMENT CONTROL DETAILS
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

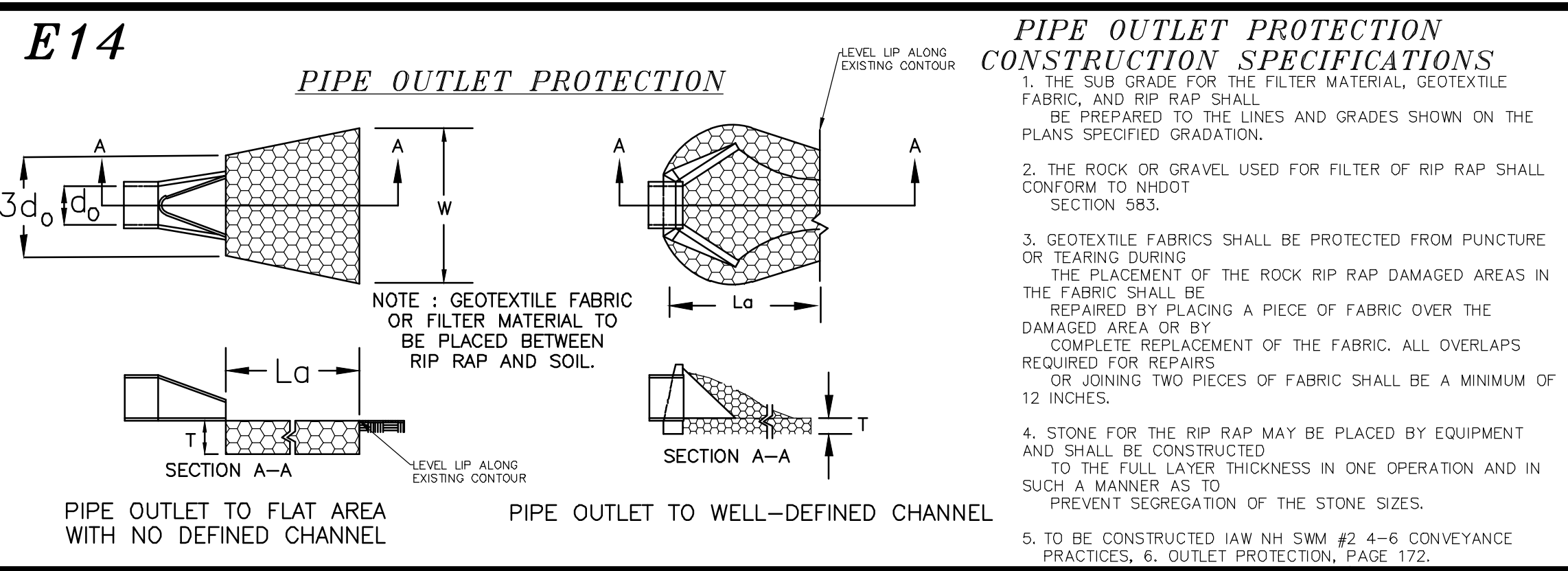
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: AS NOTED
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER



- CONSTRUCTION SEQUENCE:**
- CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.
 - CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.
 - EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS.
 - CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
 - CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
 - CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY
 - START BUILDING CONSTRUCTION
 - INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
 - BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 60 DAYS BEFORE BEING STABILIZED. DAILY, OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
 - CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
 - INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSWI), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.
 - COMPLETE PERMANENT SEEDING AND LANDSCAPING.
 - REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
 - SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
 - FINISH PAVING ALL ROADWAYS.

E19



E17 NOTE: THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

SEEDING RATES

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
A. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH	15	0.35
FLAT PEA	10	0.25
TOTAL	40 OR 55	0.95 TO 1.35
C. TALL FESCUE	24	0.55
CREeping RED FESCUE	24	0.55
BIRDS FOOT TREFLOE	48	BEHOWNED
TOTAL	96	BEHOWNED 1.10
D. TALL FESCUE	20	0.45
FLAT PEA	80	1.20
TOTAL	100	1.65
E. CREeping RED FESCUE 1/2	50	1.15
KENTUCKY BLUEGRASS 1/2	100	2.30
TOTAL	150	3.45
F. TALL FESCUE 1	150	3.60

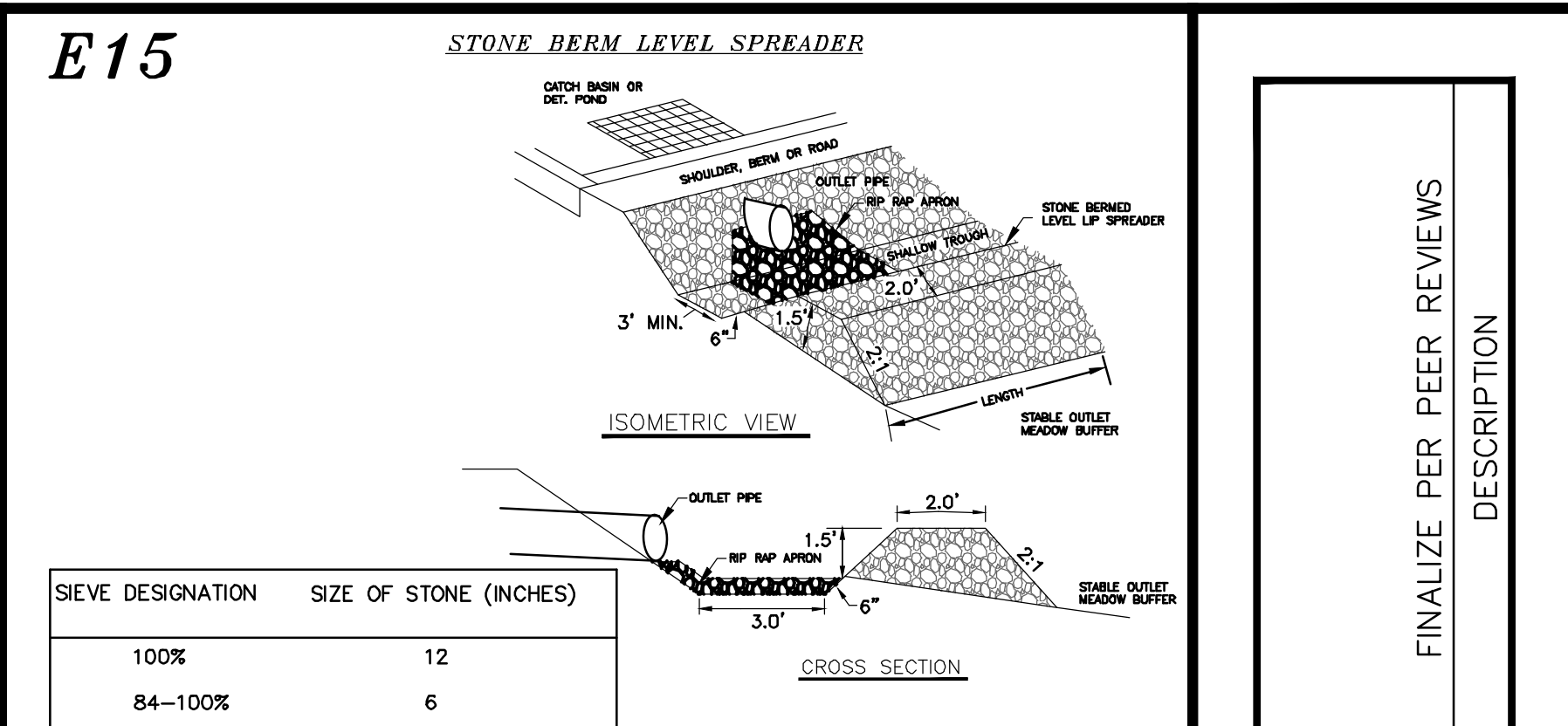
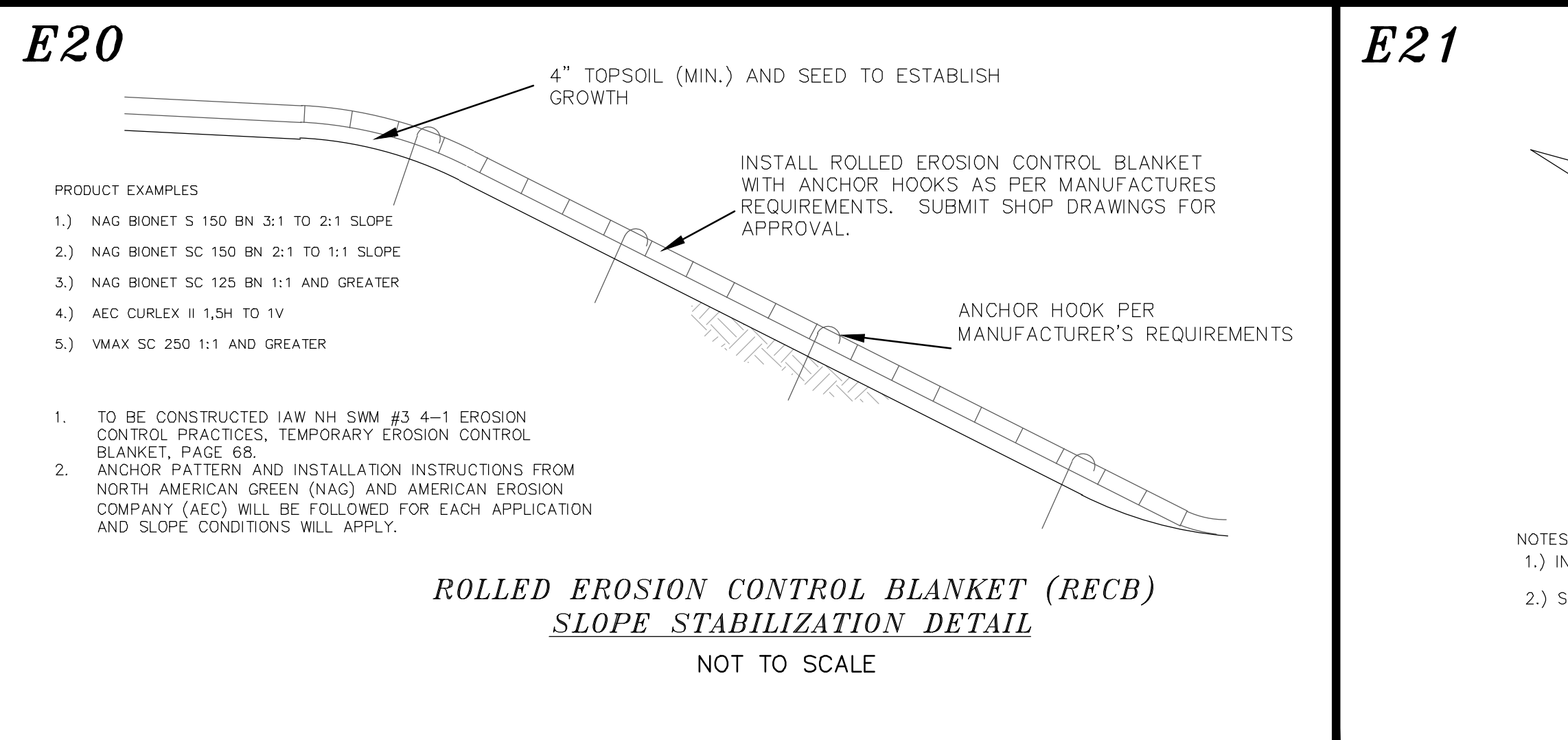
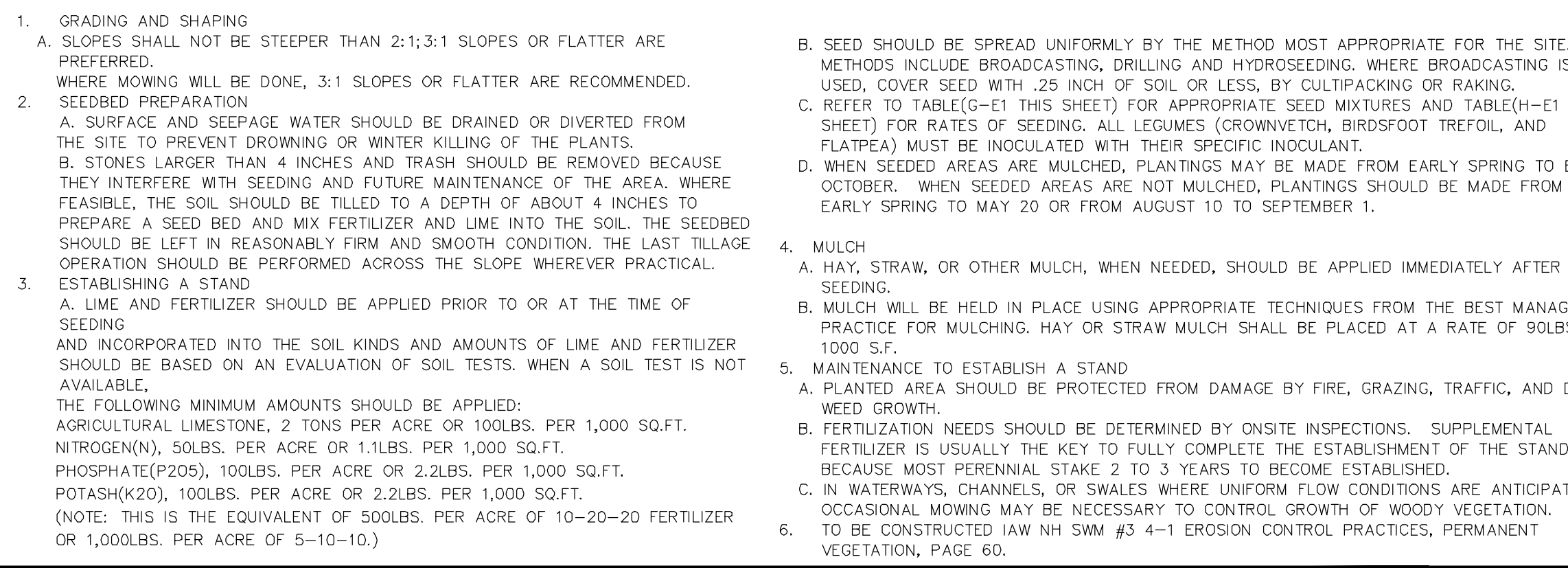
SEEDING GUIDE

USE	SEEDING MIXTURE 1/2	DRYDROUGHT	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	B	POOR	GOOD	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	C	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	D	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	E	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	F	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	G	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	H	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	I	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	J	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	K	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	L	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	M	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	N	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	O	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	P	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	Q	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	R	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	S	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	T	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	U	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	V	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	W	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	X	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	Y	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	Z	GOOD	EXCELLENT	EXCELLENT	EXCELLENT

GRAVEL PIT: SEE NH-FM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.
1/2 REFER TO SEEDING MIXTURES AND RATES IN TABLE 7-36.
ZZ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

SEEDING SPECIFICATIONS

- GRADING AND SHAPING
 - SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
 - SEEDBED PREPARATION
 - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - STONES LARGER THAN 4 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 4 INCHES TO PREPARE A SEED BED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
 - ESTABLISHING A STAND
 - 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 AN 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 100LBS. PER 1,000 SQ.FT. NITROGEN(N), 50LBS. PER ACRE OR 1.1LBS. PER 1,000 SQ.FT. PHOSPHATE(P2O5), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT. POTASH(K2O), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT. (NOTE: THIS IS THE EQUIVALENT OF 500LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000LBS. PER ACRE OF 5-10-10.)
- 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 .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
- REFER TO TABLE(G-E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-E1 THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWN VETCH, BIRDSFOOT TREFLOE, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
- WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
- MULCH
 - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90LBS PER 1000 S.F.
 - MAINTENANCE TO ESTABLISH A STAND
 - PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
 - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.
- TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, PERMANENT VEGETATION, PAGE 60.



SIEVE DESIGNATION	SIZE OF STONE (INCHES)
100%	12
84-100%	6
68-83%	3
42-55%	1
8-12%	NO. 4

- CONSTRUCT THE LEVEL SPREADER LIP ON A 0% GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
- THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING EXCELSIOR ENFORCER MATTING BENEATH THE STONE. EACH STRIP SHALL OVERLAP BY AT LEAST SIX INCHES.
- THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- MAINTENANCE: THE LEVEL SPREADER SHOULD BE CHECKED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE IF THE LIP HAS BEEN DAMAGED AND THE DESIGN CONDITIONS HAVE NOT CHANGED. ANY DETRIMENTAL SEDIMENT ACCUMULATION SHOULD BE REMOVED. IF STONE REMOVAL HAS TAKEN PLACE ON THE LIP, THEN THE DAMAGE SHOULD BE REPAIRED.
- REFERENCE IS MADE TO NHDES SWM VOL. 2, 4-6, STONE BERM LEVEL SPREADERS, PAGE 162

E18 WINTER STABILIZATION NOTES

- ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.
- ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.
- PRIOR TO NOV. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15-25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.
- AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: AS NOTED
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030

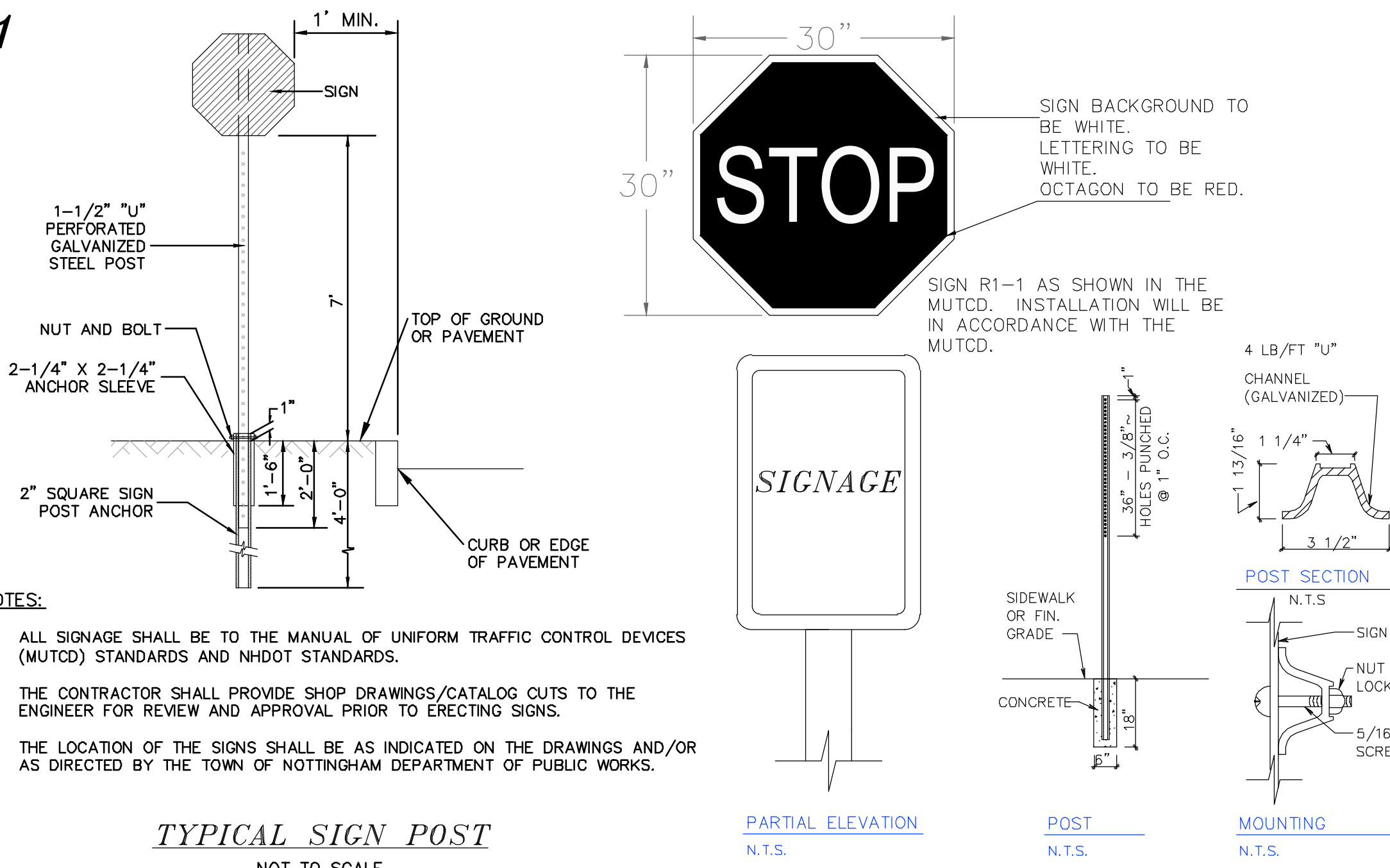
STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14245
LICENSED PROFESSIONAL ENGINEER

E-102
SHEET 23 OF 29

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

EROSION & SEDIMENT CONTROL DETAILS
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

C1



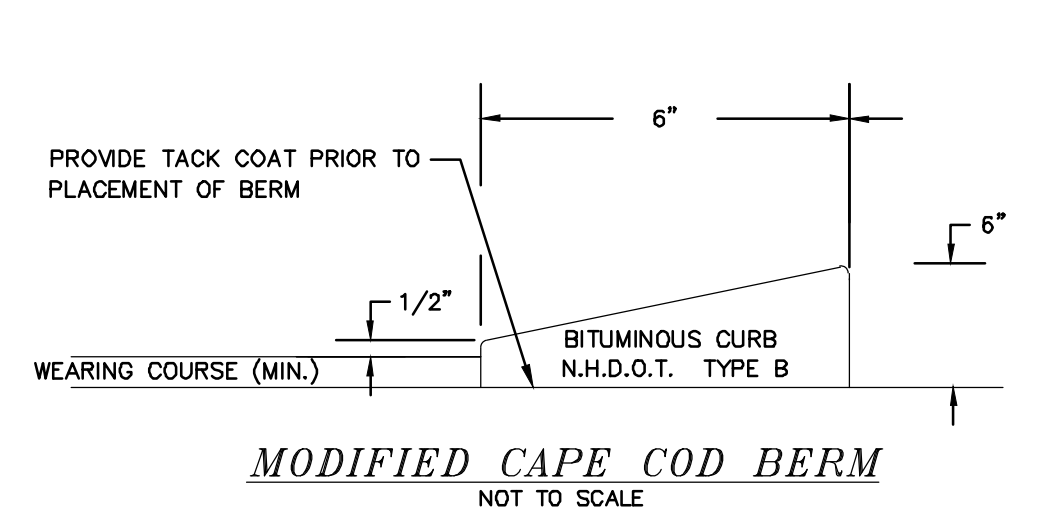
- NOTES:**
- ALL SIGNAGE SHALL BE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND NHDOT STANDARDS.
 - THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS/CATALOG CUTS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ERECTING SIGNS.
 - THE LOCATION OF THE SIGNS SHALL BE AS INDICATED ON THE DRAWINGS AND/OR AS DIRECTED BY THE TOWN OF NOTTINGHAM DEPARTMENT OF PUBLIC WORKS.

PARTIAL ELEVATION
N.T.S.

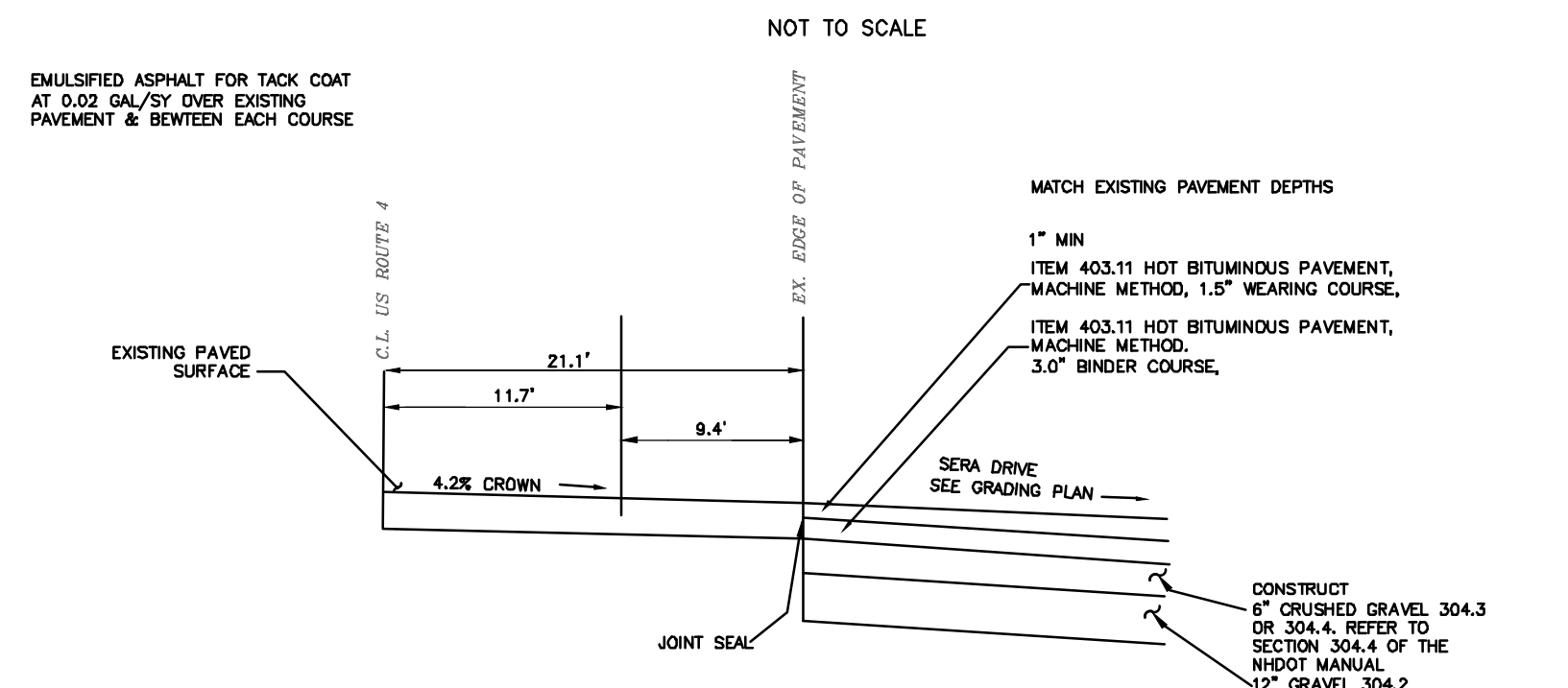
POST
N.T.S.

MOUNTING
N.T.S.

C2



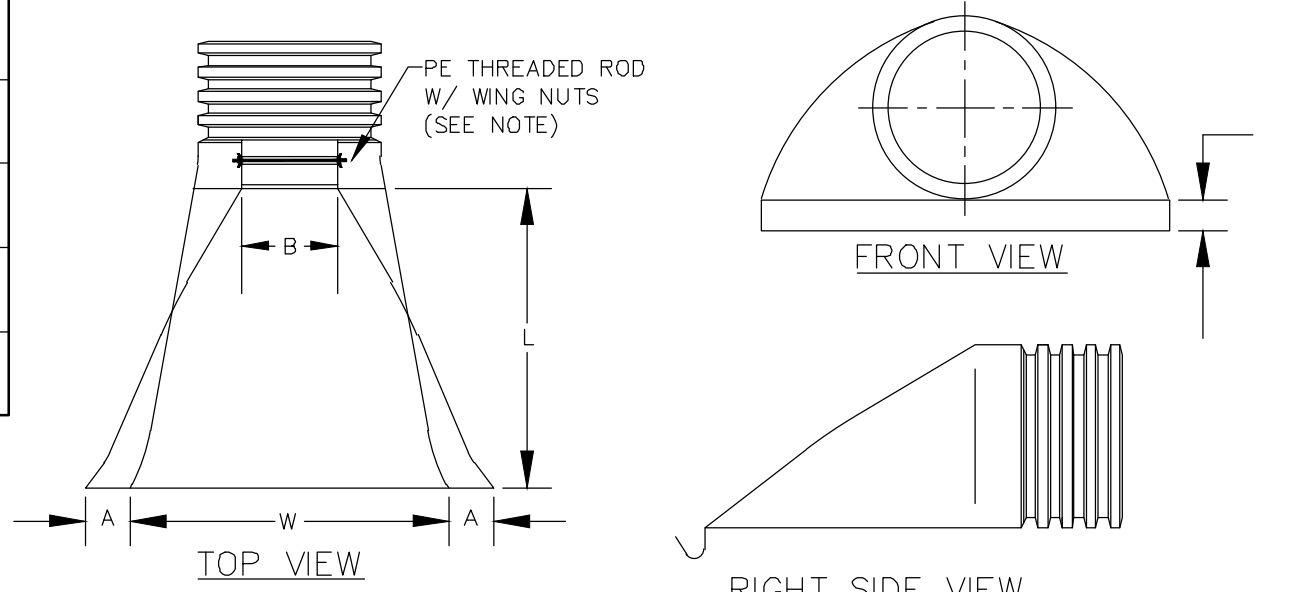
TYPICAL EDGE LINE CONSTRUCTION SERA DRIVE C3



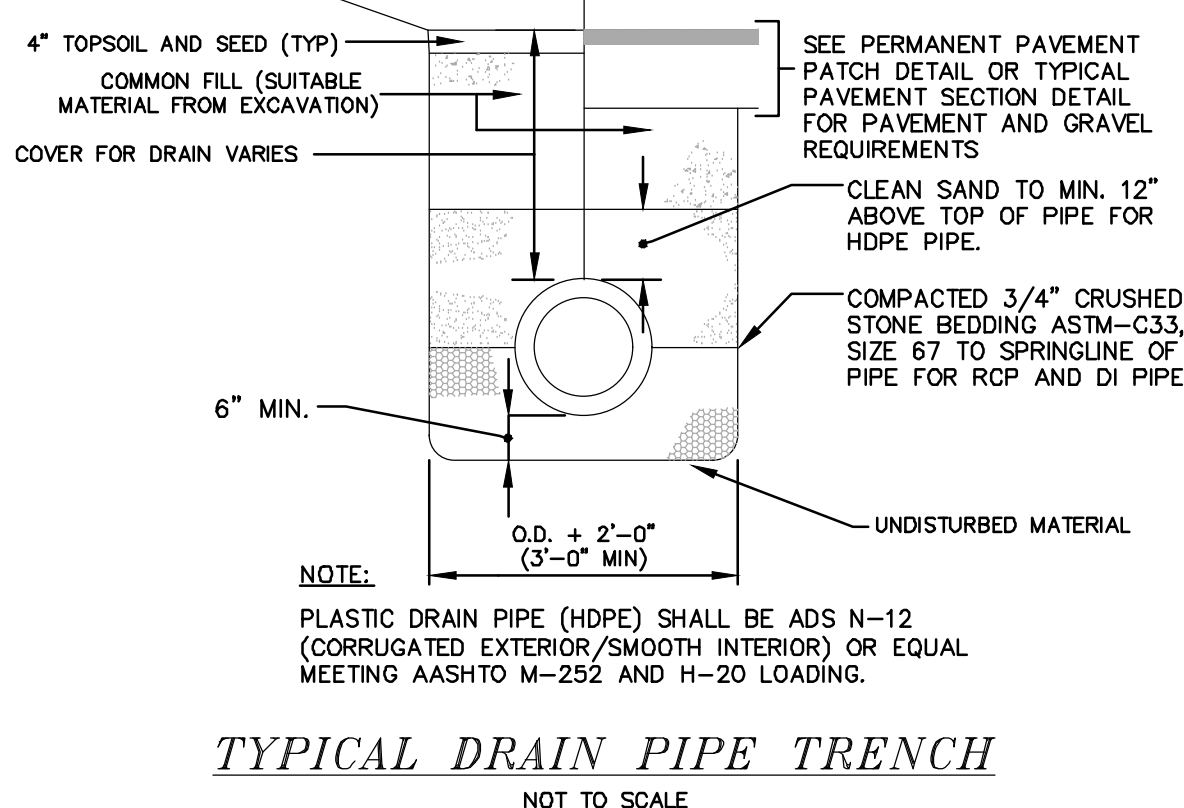
C4

PART No.	PIPE SIZE	A	B(MAX)	H	L	W
1510-NP	15"	6.5"	10"	6.5"	25"	29"
1810-NP	18"	7.5"	15"	6.5"	32"	35"
2410-NP	24"	7.5"	18"	6.5"	36"	45"
3010-NP	30"	10.5"	N/A	7.0"	53"	68"
3610-NP	36"	10.5"	N/A	7.0"	53"	68"

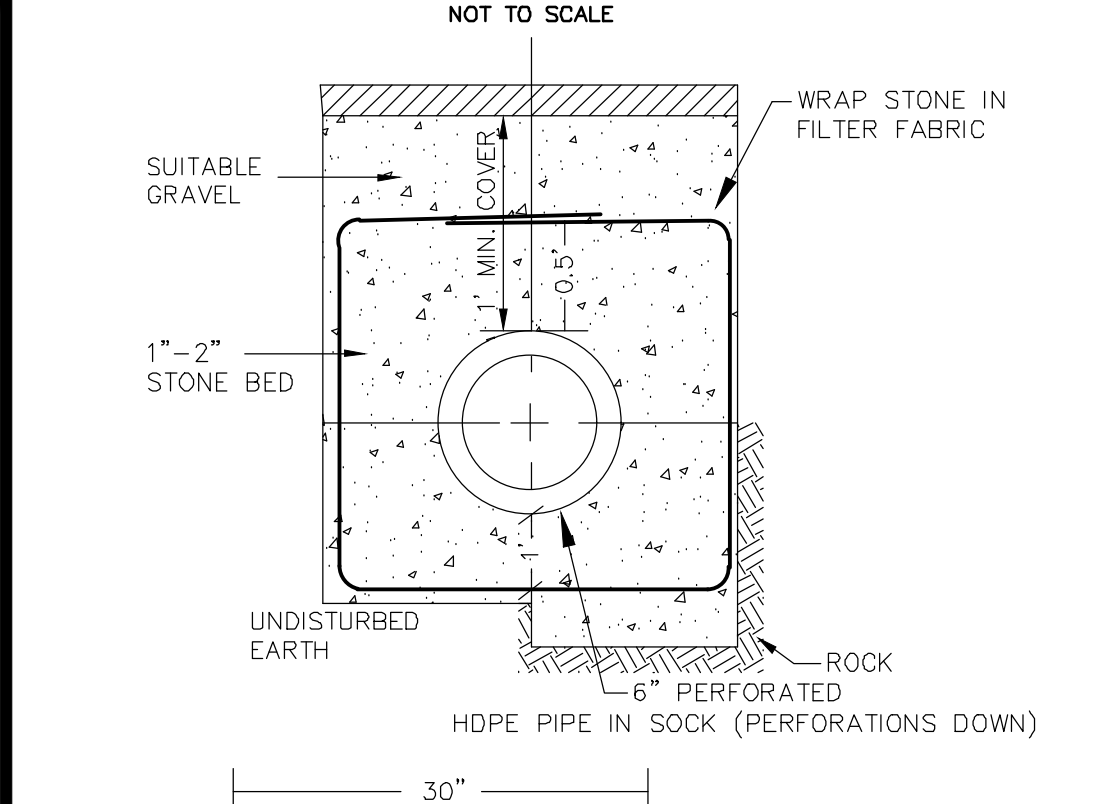
NOTE: PE THREADED ROD W/ WING NUTS PROVIDED FOR END SECTIONS 15"-24". 30" & 36" END SECTIONS TO BE WELDED PER MANUFACTURER'S RECOMMENDATIONS.



C5

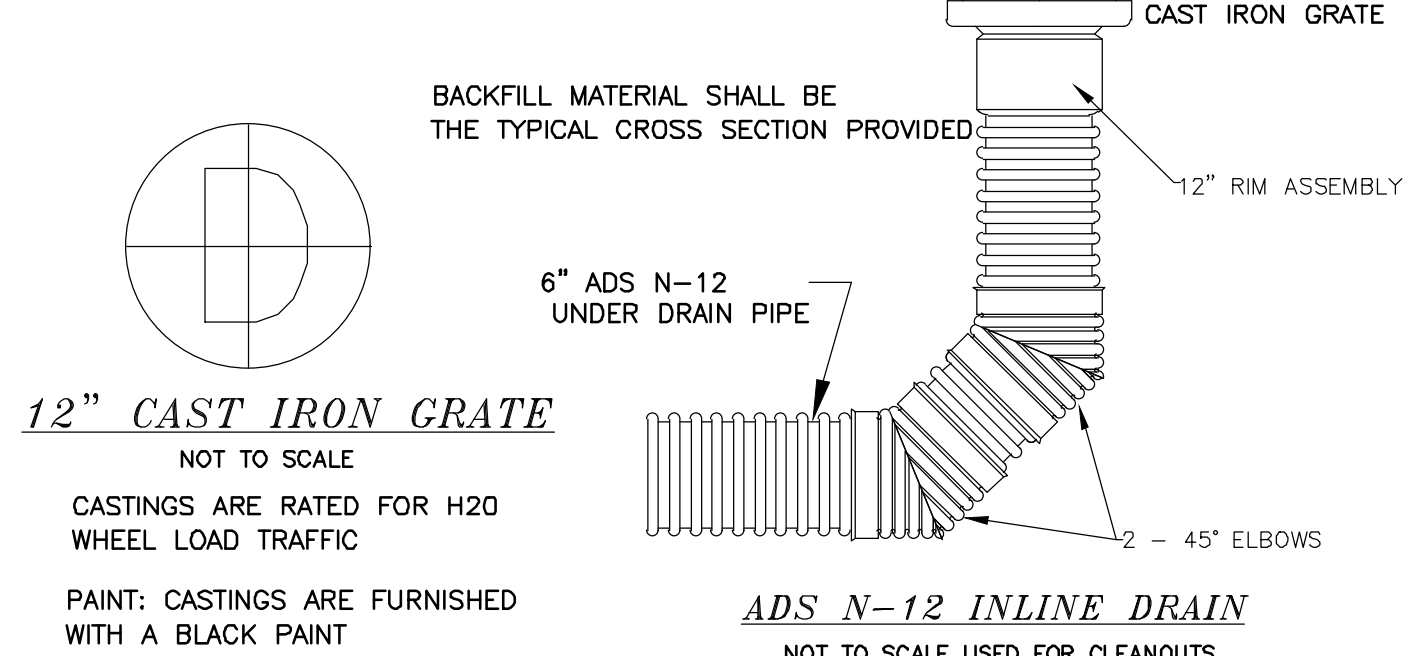


C6 UNDERDRAIN TRENCH DETAIL

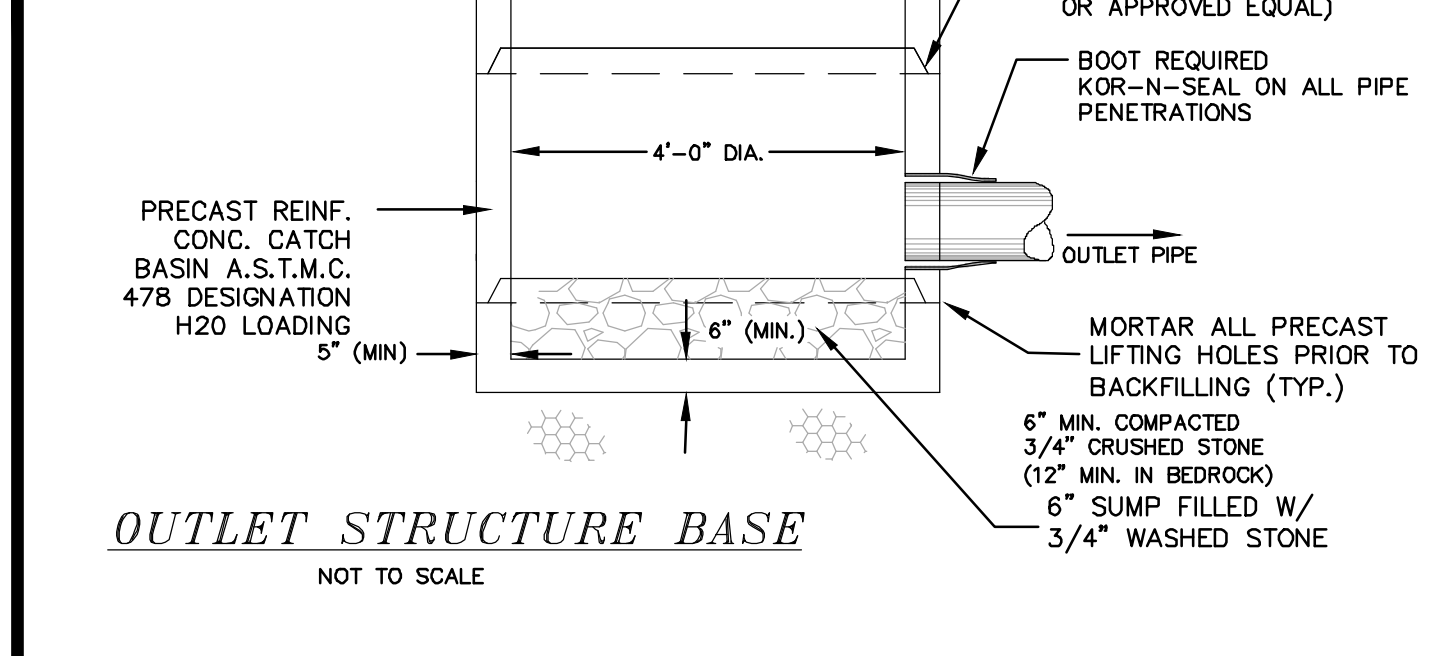


NOTE:
1. PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO STREET OPENING REGULATIONS.

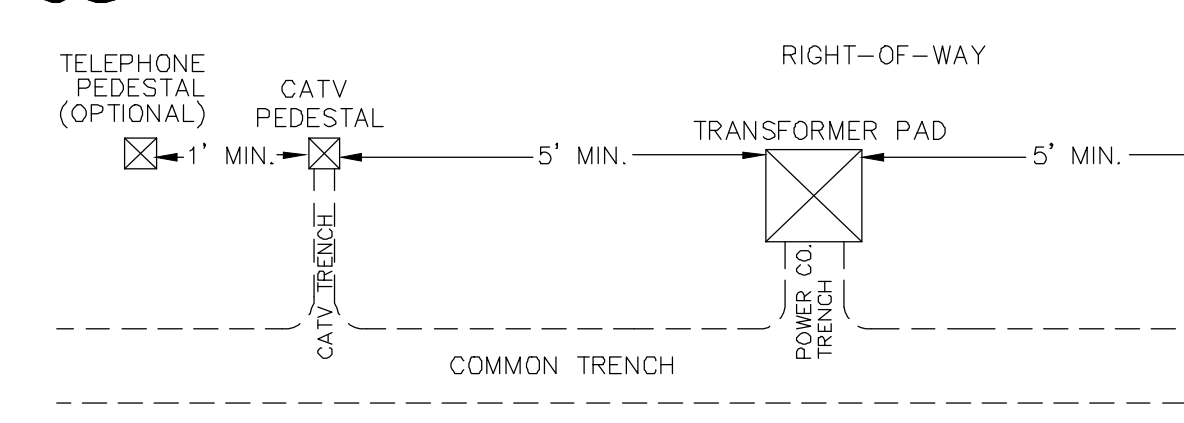
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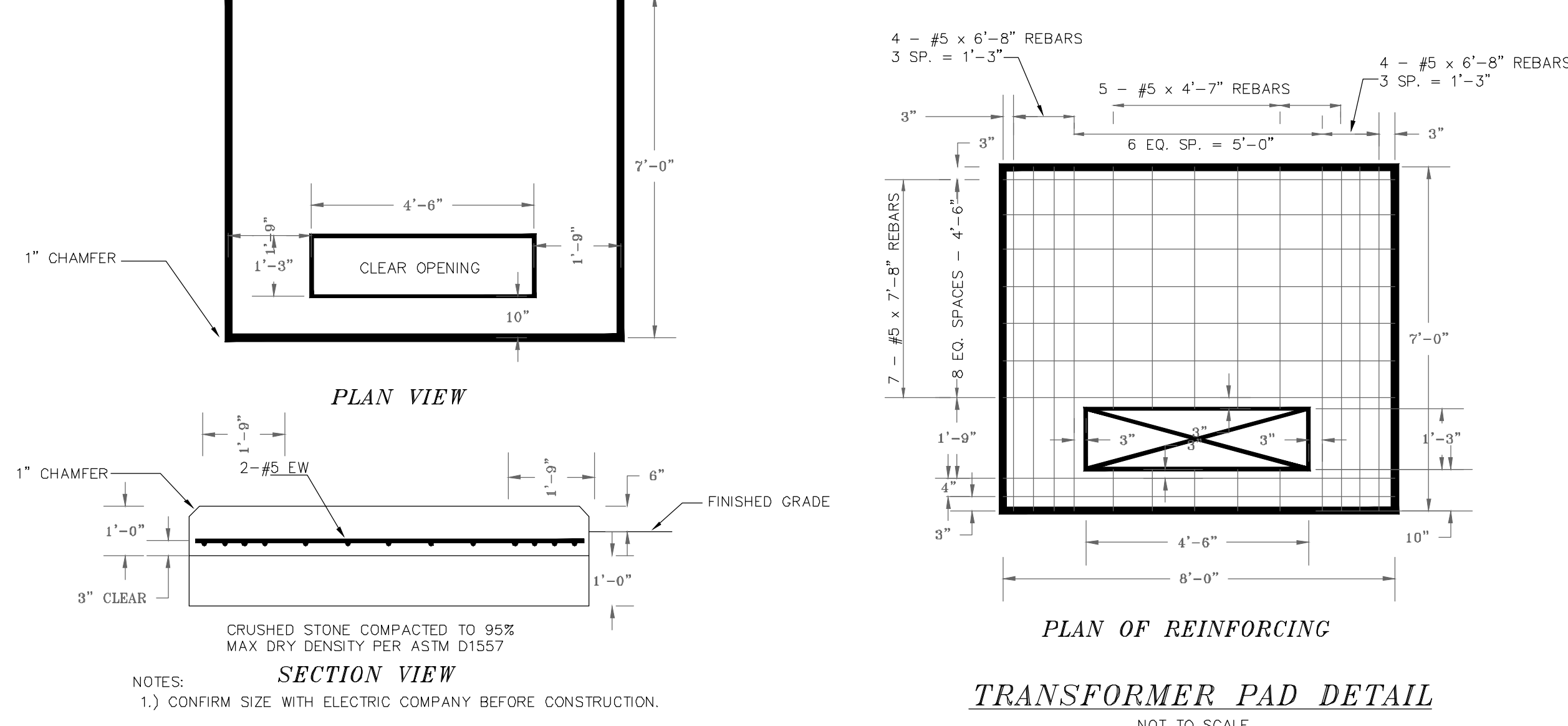
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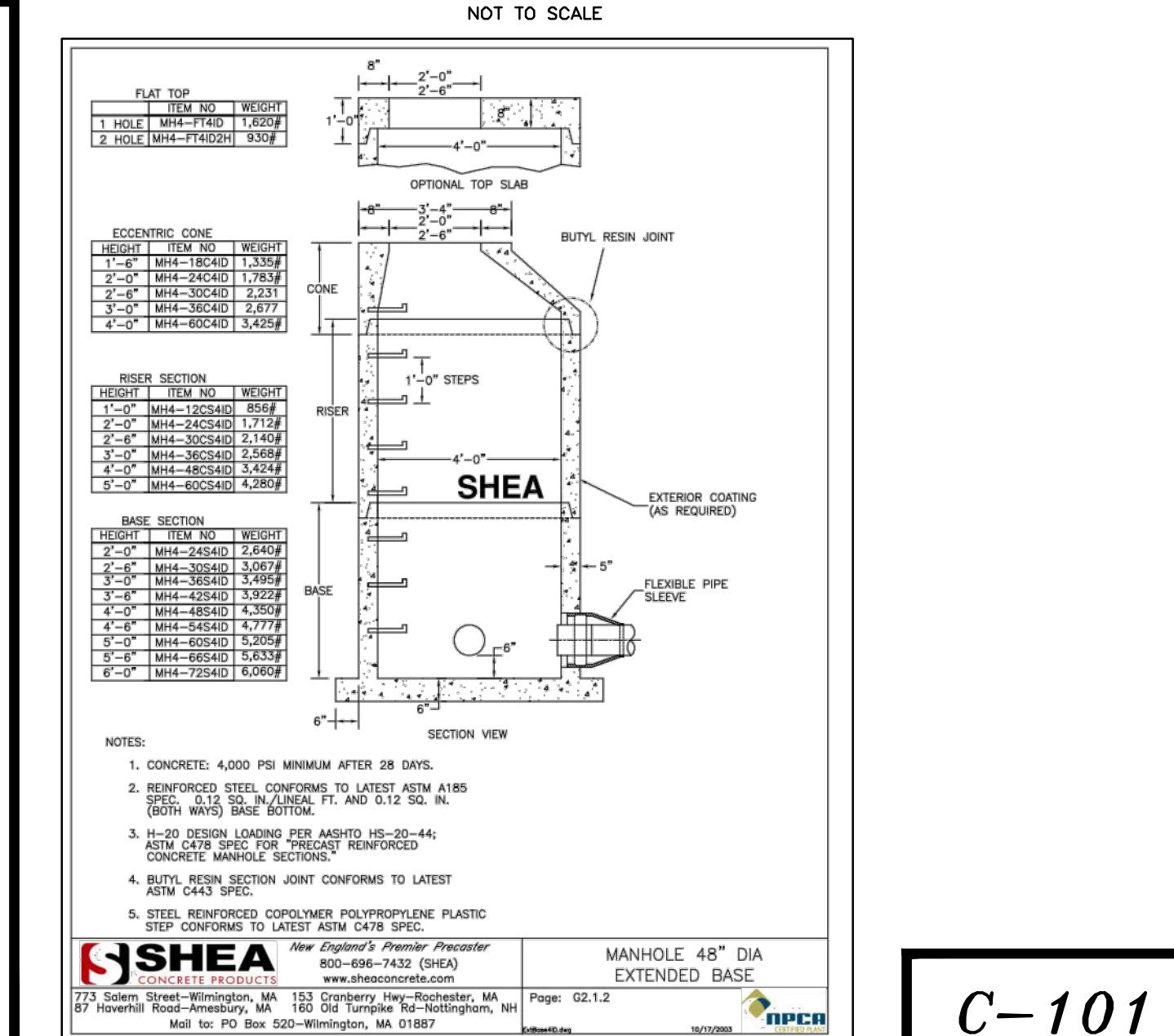
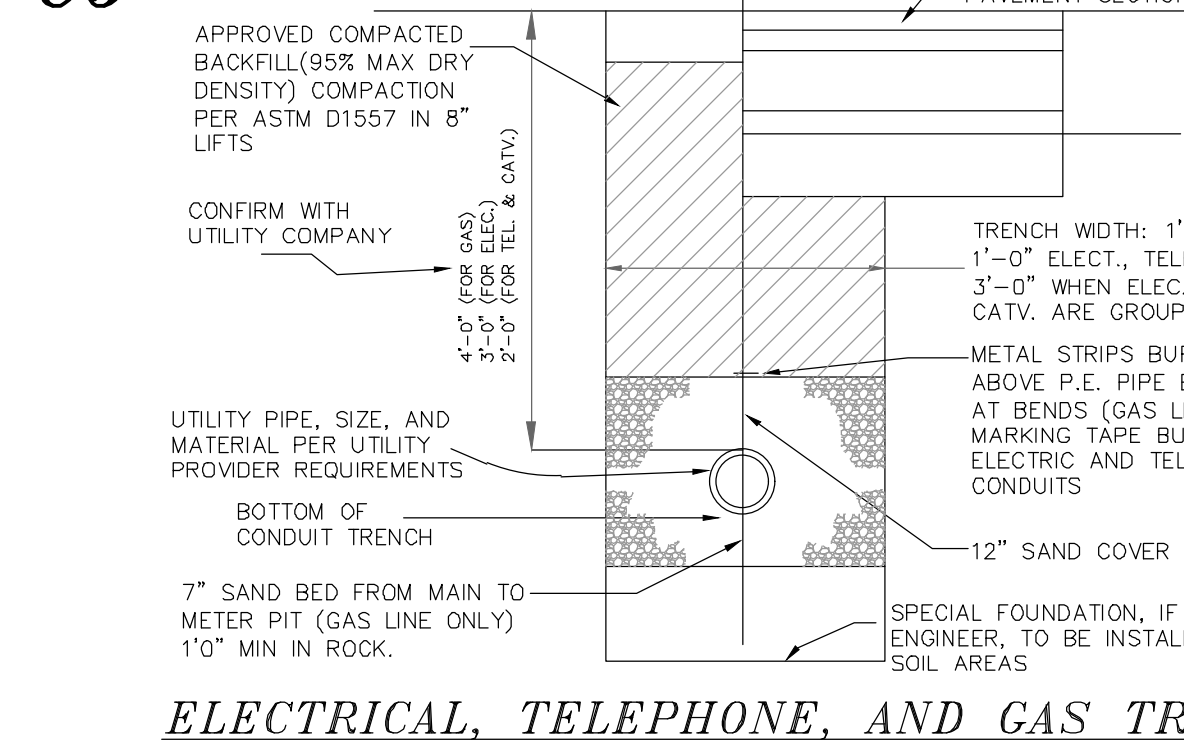
C8



C10



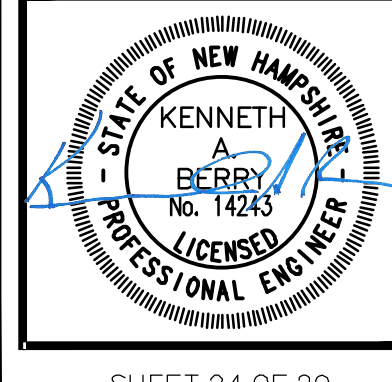
C9



REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

CONSTRUCTION DETAILS
LAND OF
DOMUS DEVELOPERS INC.
ROUTE 4 / OLD TURNPIKE ROAD
NOTTINGHAM, N.H.
TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: AS NOTED
DATE: JUNE 3, 2019
FILE NO.: DB 2018 - 030



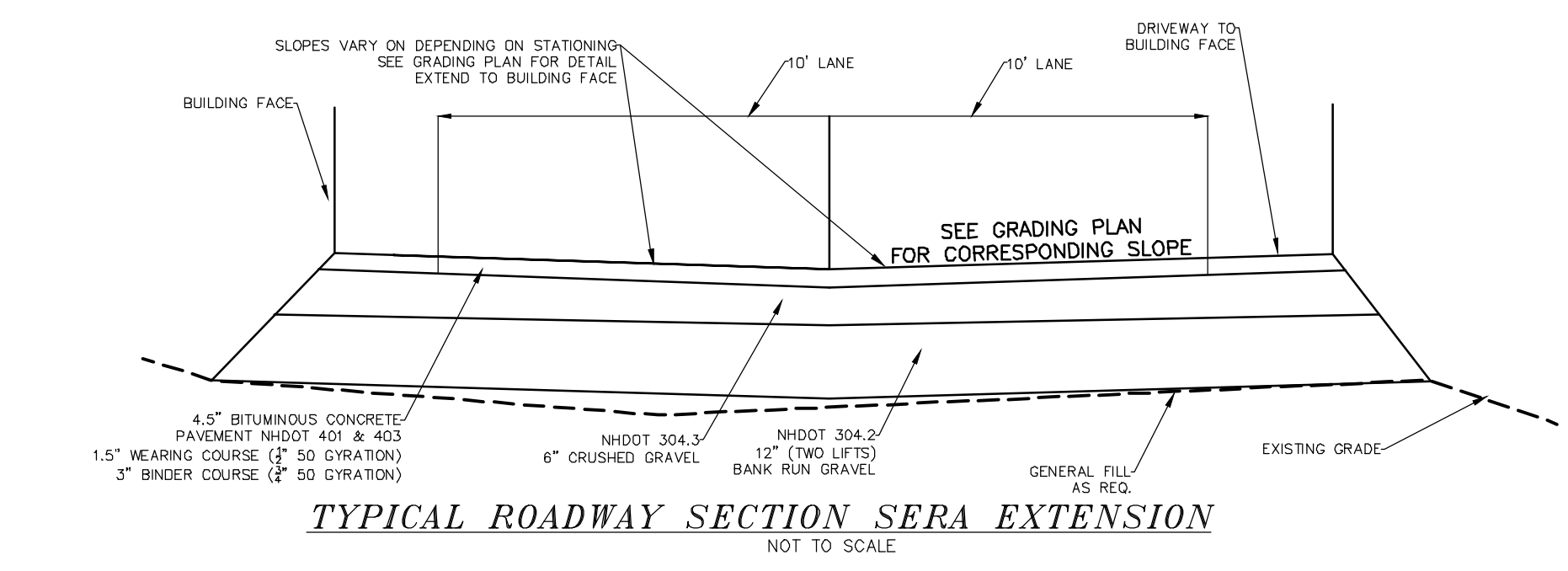
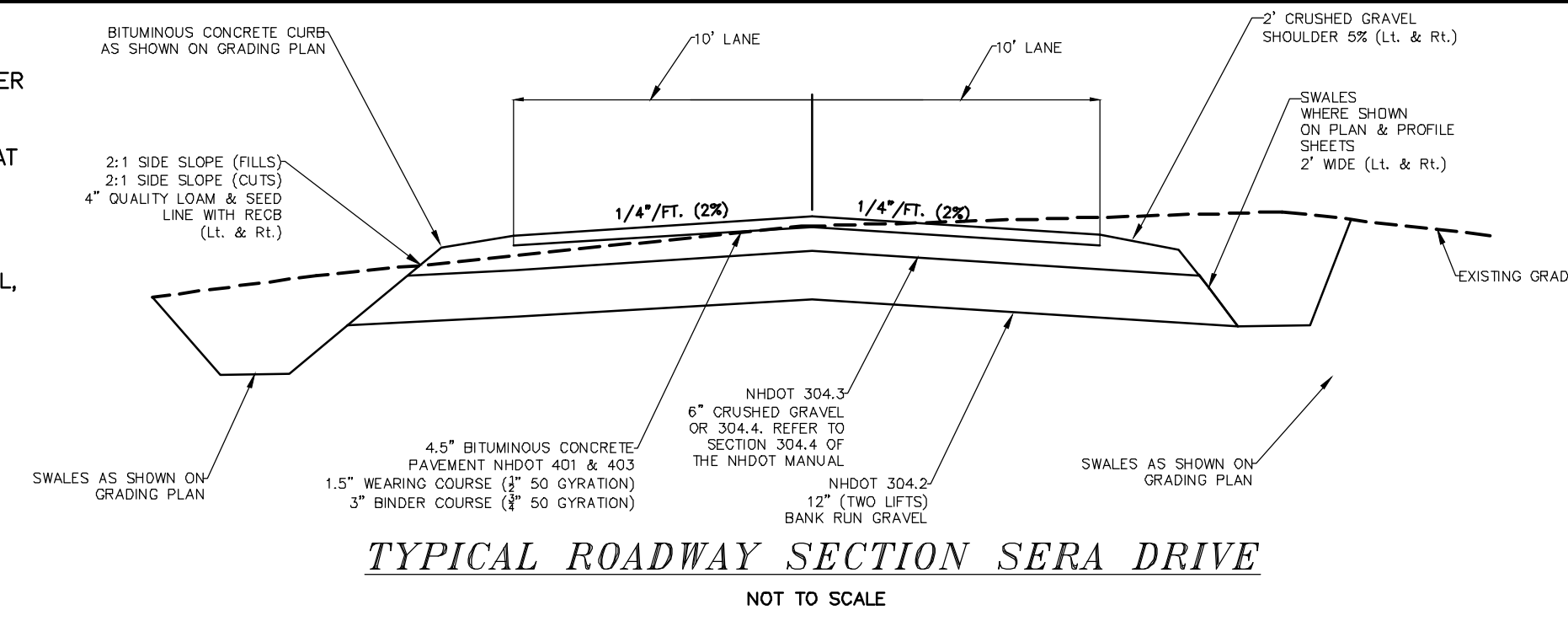
C-101

C12

CROSS SECTION NOTES

1. ALL ROADWAY FILL TO BRING ROAD TO SUBGRADE SHALL BE INSTALLED IN LIFTS NO GREATER THAN 12".
2. ALL FILL SHALL BE COMPACTED TO 95% MINIMUM. COMPACTION TESTS TO BE CONDUCTED AT THE START OF THE PROJECT AND NO FURTHER THAN 100 FEET APART.
3. GUARD RAIL REQUIRED AS NOTED ON PLAN & PROFILE SHEETS.
4. TEST PITTING WAS DONE WITHIN THE ROADWAY ALIGNMENT BY STONEY RIDGE ENVIRONMENTAL, & BS&E AND NO UNSUITABLE MATERIALS WERE ENCOUNTERED IN THOSE TEST PITS.

COMPACTED SUBGRADE - CONTRACTOR SHALL SCARIFY SUBGRADE TO A DEPTH OF 30 INCHES BELOW F-GRADE. ALL STONES GREATER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE SCARIFIED LAYER. ANY IMPORTED FILL SHALL BE FREE OF ORGANICS AND FROST AND SHALL HAVE NO ROCKS LARGER THAN 6" IN DIAMETER. FILL MATERIAL SHALL BE APPROVED BY THE TOWNS AGENT AND/OR THE TOWNS ENGINEER.



C15

LAMP "B" MOUNTED 15' ABOVE GRADE

D-Series Pole Mount LED Area Luminaire

Specifications Luminaire

EPA: 0.8 ft² (0.7 m²)
 Width: 13.3/4" (343 mm)
 Length: 11.5" (293 mm)
 Height: 8" (203 mm)
 Weight: 14.0 lbs (6.3 kg)

Ordering Information EXAMPLE: DSXWPM LED 20C 1000 40K 15M MVOLT SPUMBA DDBXD

DSXWPM LED	Color Temperature	Beam Spread	Mounting
20C	1000	40K	15M
20C	4000	40K	15M
20C	5000	40K	15M
20C	6000	40K	15M
20C	7000	40K	15M
20C	8000	40K	15M
20C	9000	40K	15M
20C	10000	40K	15M

Accessories

- DSXWPM-1: 15' mounting height, 1500 lumens
- DSXWPM-2: 15' mounting height, 3000 lumens
- DSXWPM-3: 15' mounting height, 6000 lumens
- DSXWPM-4: 15' mounting height, 12000 lumens
- DSXWPM-5: 15' mounting height, 24000 lumens

C13

Cone Grates Top Mount



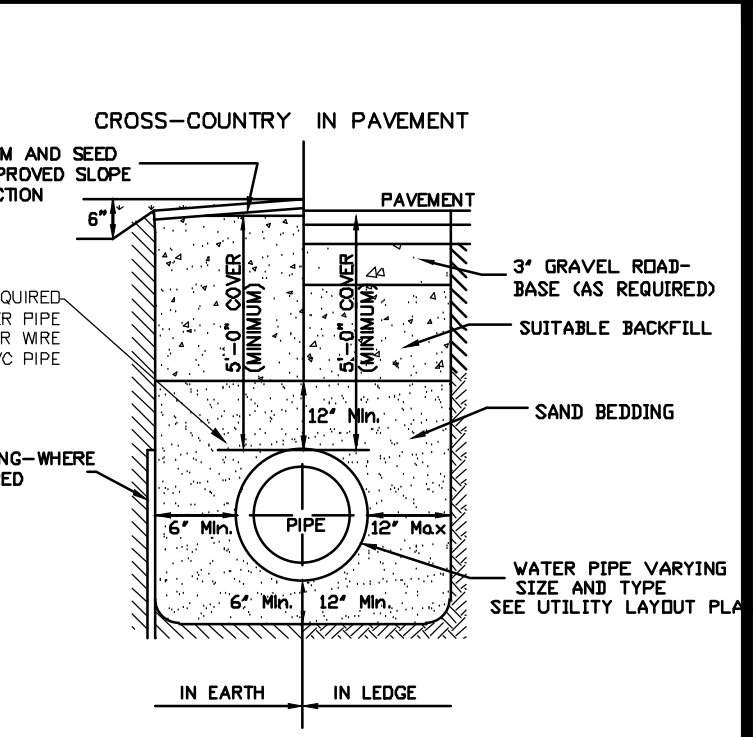
CG12TM
Part No. CG12TM

Top Mount Cone Grates are designed to mount on the top of round manhole inlet or outlet structures to keep debris from entering the storm water system. Top mount cone grates are easy to install and allow for at grade manhole installations but can be used in a variety of applications. Grates 96" and larger are made as a two piece, bolt together design.

- Plate and bar hybrid design is both clean and cost effective.
- Made from 1/2" plate with 3/4" or 1" round bars depending on grate size.
- Anti vortex plate can be added upon request.
- Hinged and lockable access doors can be added upon request.
- Galvanized steel construction. Can be made from aluminum or stainless steel.

NOTE: MUST BE HAALA INDUSTRIES INC. OR EQUAL.

C14

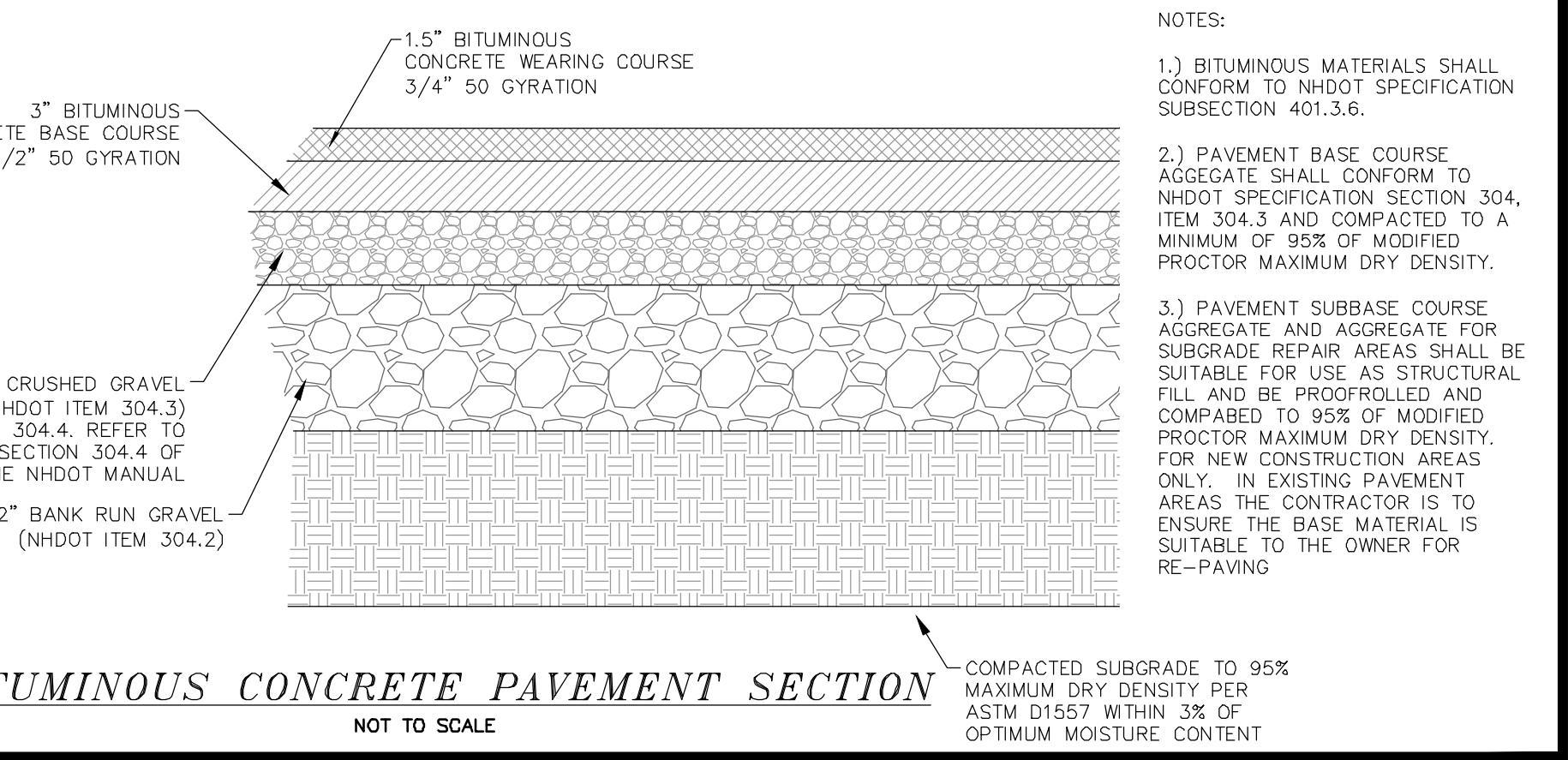


TYPICAL TRENCH DETAIL FOR WATER SYSTEM

NOTES:

- 1.) BITUMINOUS MATERIALS SHALL CONFORM TO NHDOT SPECIFICATION SUBSECTION 401.3.6.
- 2.) PAVEMENT BASE COURSE AGGREGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304. ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING.
- 3.) PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROOFROLLED AND COMPARED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING.

C18

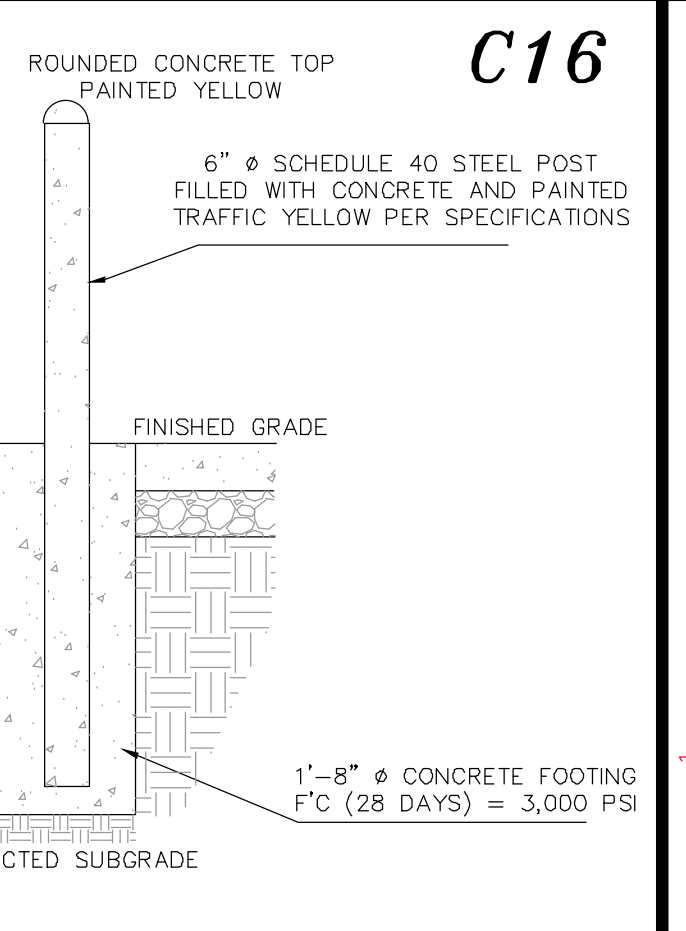


BITUMINOUS CONCRETE PAVEMENT SECTION

NOTES:

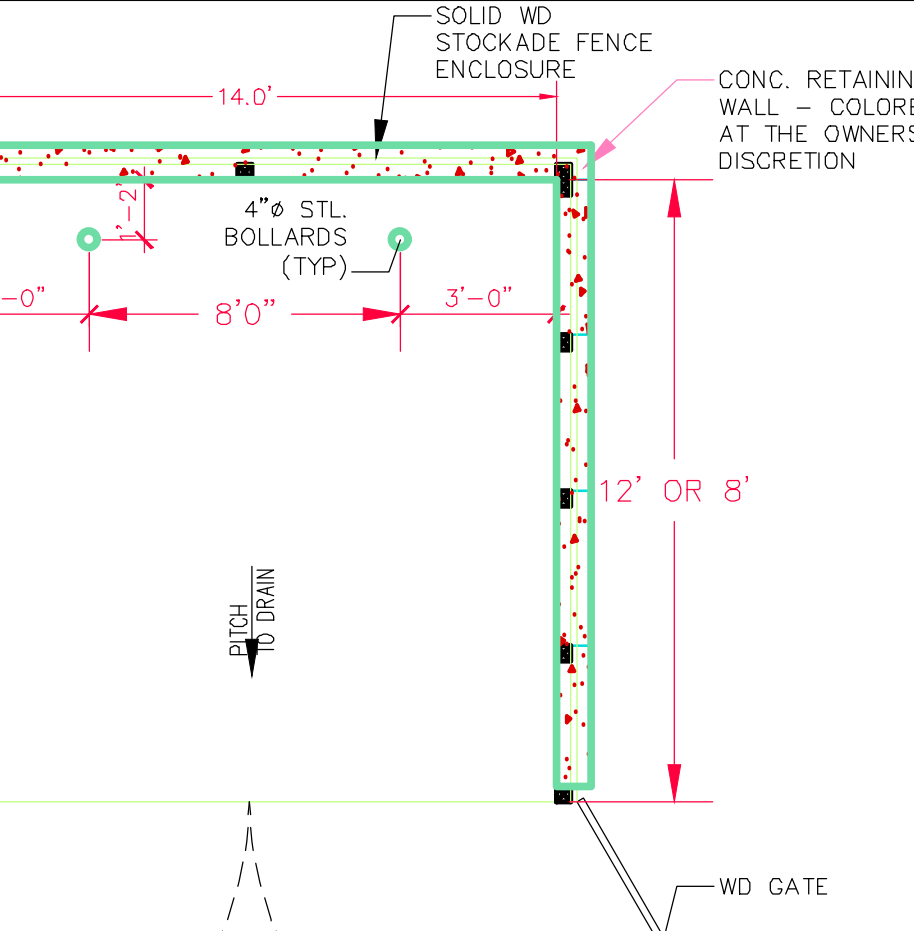
- 1.) BITUMINOUS MATERIALS SHALL CONFORM TO NHDOT SPECIFICATION SUBSECTION 401.3.6.
- 2.) PAVEMENT BASE COURSE AGGREGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304. ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING.
- 3.) PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROOFROLLED AND COMPARED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING.

C16

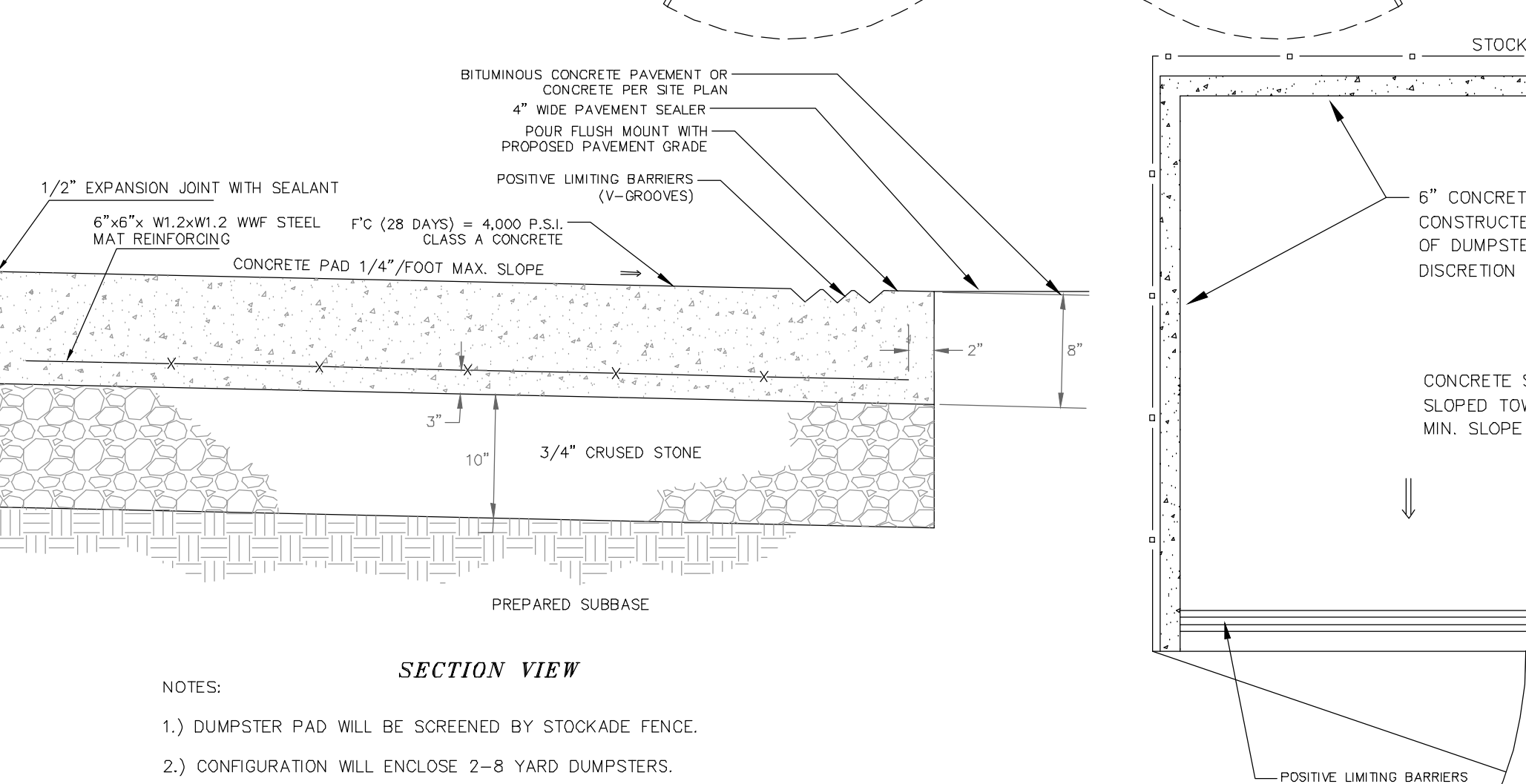


BOLLARD DETAIL

C17



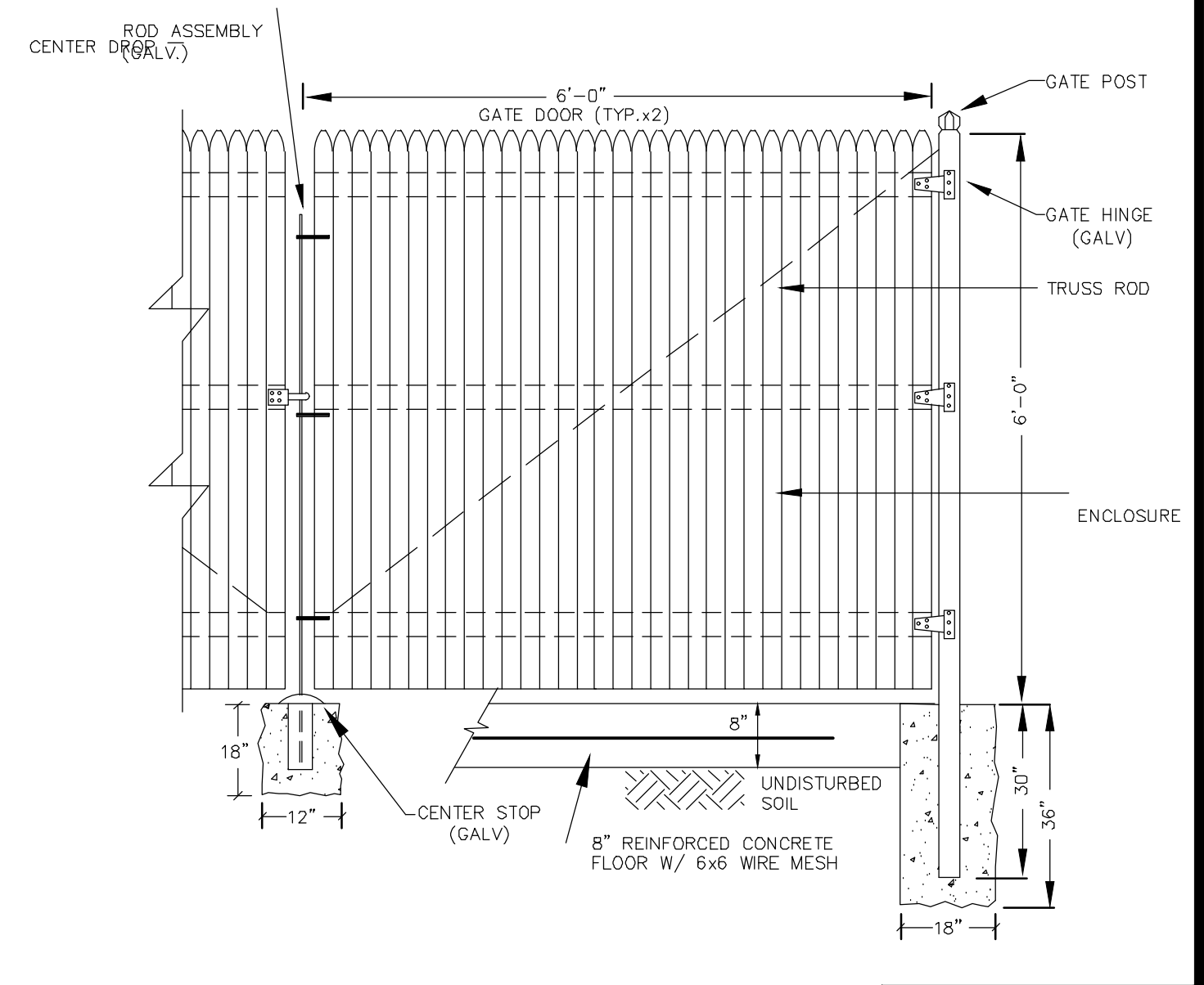
DUMPSTER SLAB DETAILS



DUMPSTER PAD & CONCRETE PAVEMENT

NOTES:

- 1.) DUMPSTER PAD WILL BE SCREENED BY STOCKADE FENCE.
- 2.) CONFIGURATION WILL ENCLOSE 2-8 YARD DUMPSTERS.

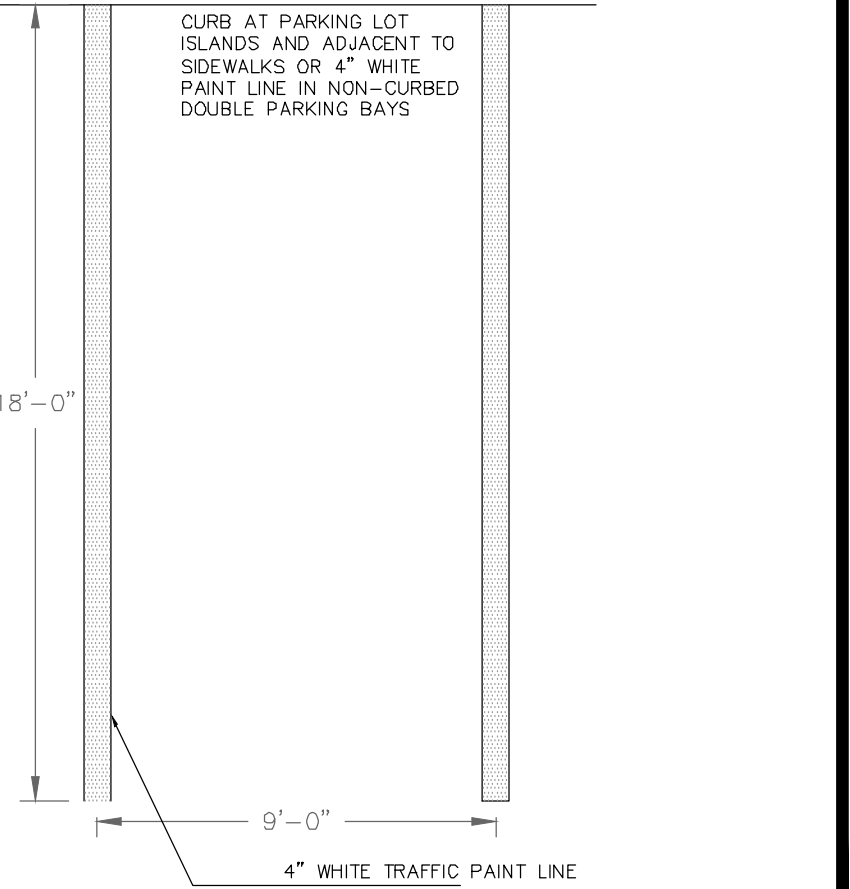


STOCKADE DUMPSTER ENCLOSURE DETAIL

C19

- NOTES:**
- 1.) PROVIDE TWO COATS OF PAINT ON ALL PARKING LINES.
 - 2.) SEE PROPOSED SITE PLANS FOR LOCATION OF PARKING SPACES.
 - 3.) PAINTED SPACES ONLY WHERE MARKED ON SITE PLAN.

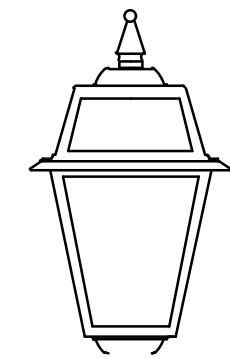
PARKING SPACE DETAIL



PARKING SPACE DETAIL

C20

TYPICAL RESIDENTIAL LAMP "A"



MOUNTED 8' ON UNITS

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

CONSTRUCTION DETAILS
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

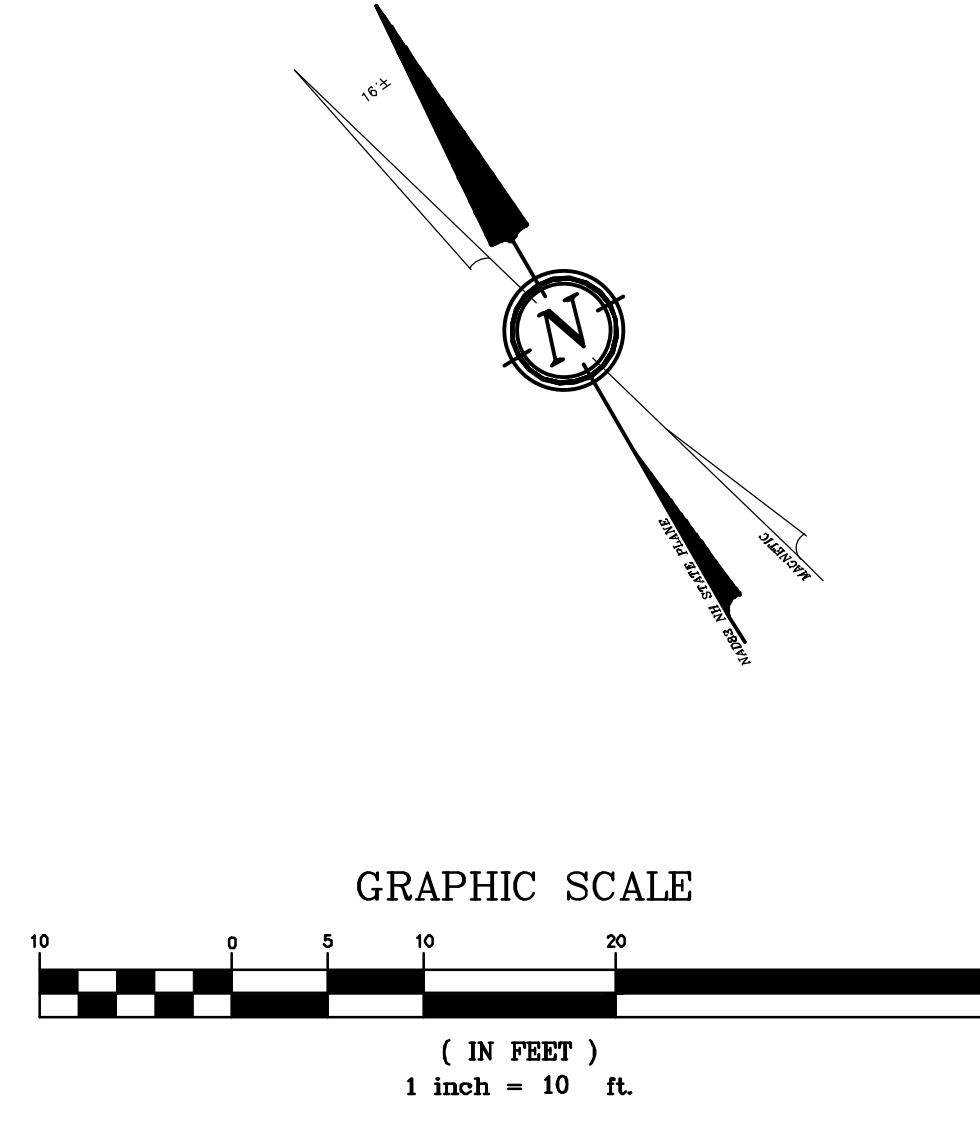
BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863

SCALE : AS NOTED
 DATE : JUNE 3, 2019
 FILE NO. : DB 2018 - 030

STATE OF NEW HAMPSHIRE
 KENNETH A. BERRY
 No. 14243
 LICENSED PROFESSIONAL ENGINEER

C-102

C21

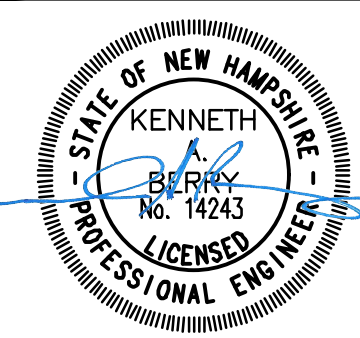


PROPOSED FIRE TRUCK TURNING SERA DRIVE

REVISION	DATE	DESCRIPTION
#1	8-15-19	FINALIZE PER PEER REVIEWS

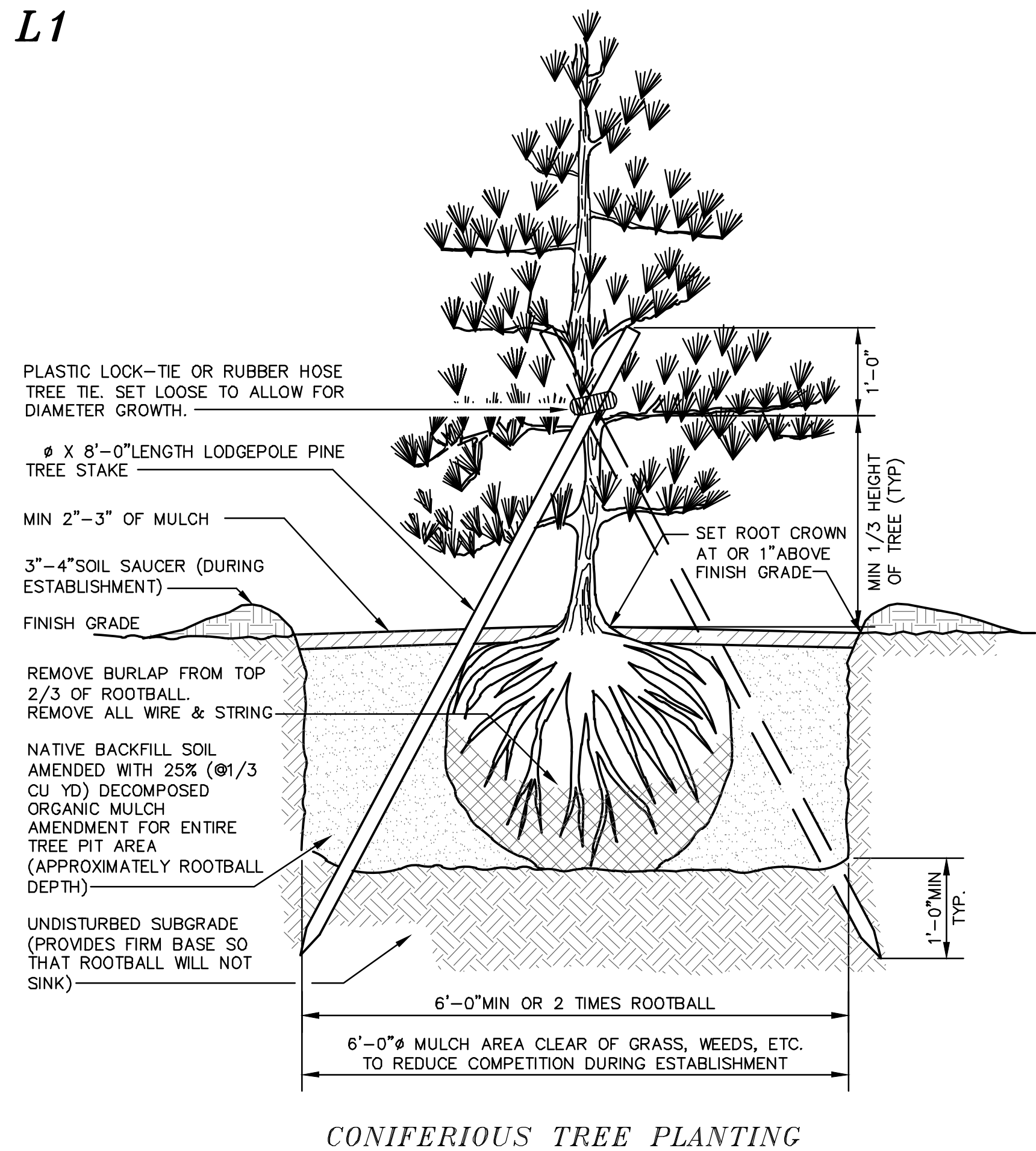
CONSTRUCTION DETAILS
 LAND OF
 DOMUS DEVELOPERS INC.
 ROUTE 4 / OLD TURNPIKE ROAD
 NOTTINGHAM, N.H.
 TAX MAP 6, LOT 22

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
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 DATE : JUNE 3, 2019
 FILE NO. : DB 2018 - 030



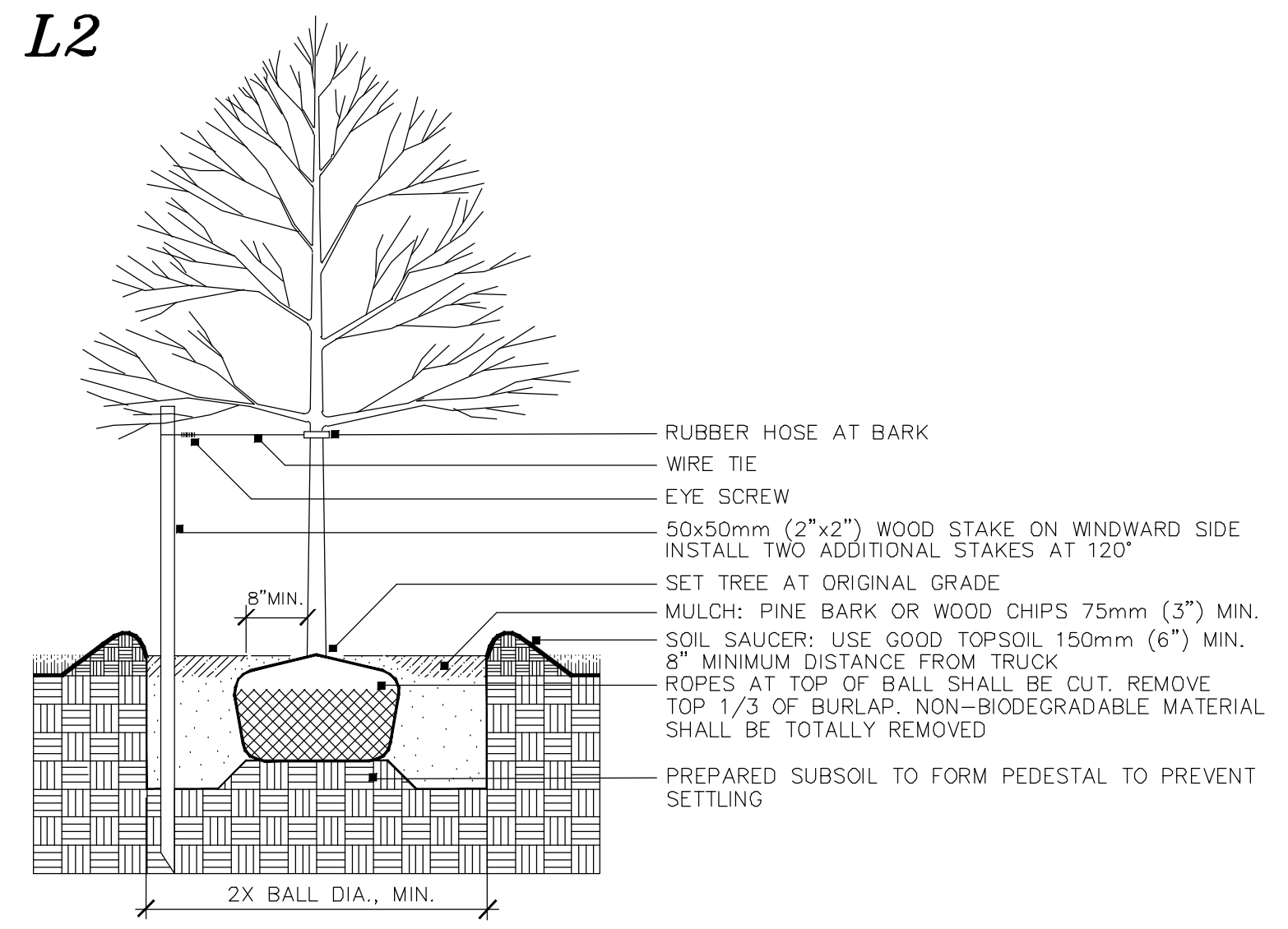
C-103

L1



CONIFEROUS TREE PLANTING

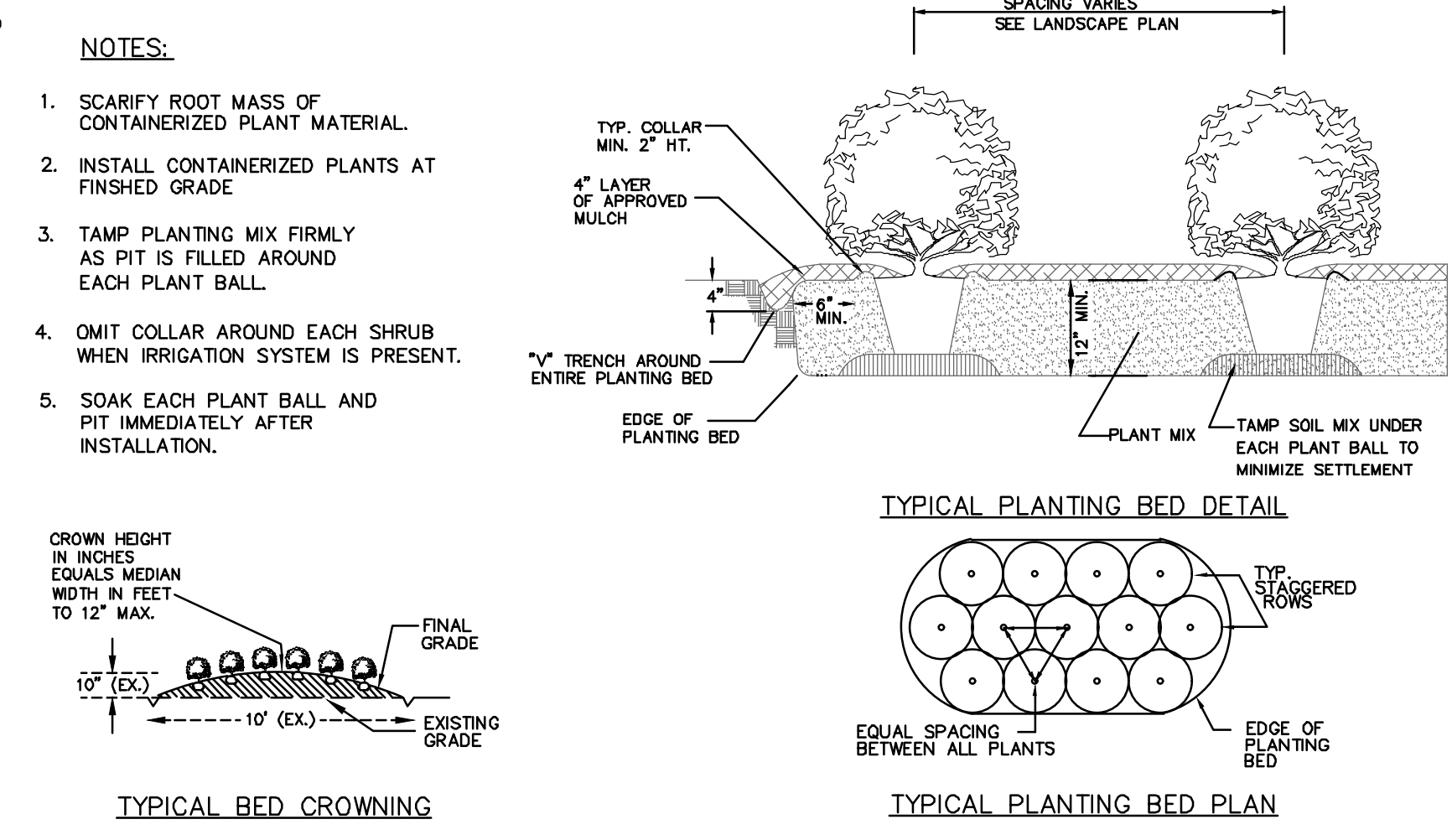
L2



DECIDUOUS TREE PLANTING

NOTE: STAKING TO BE USED IN PARKING ISLANDS AND OTHER CONFINED AREAS AS NECESSARY TO AVOID CONFLICTS WITH PEDESTRIANS

L3

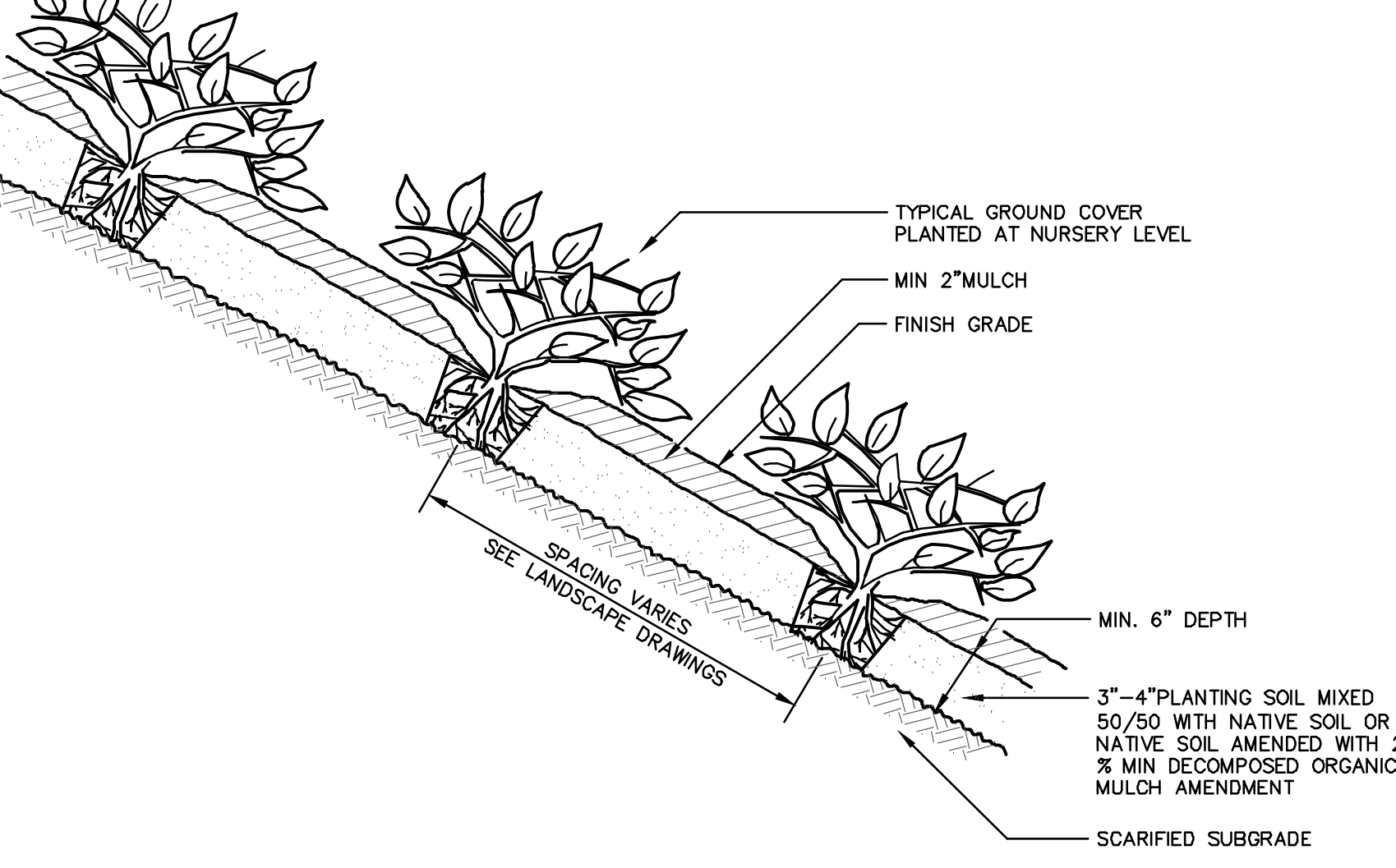


SHRUB & HEDGE PLANTING

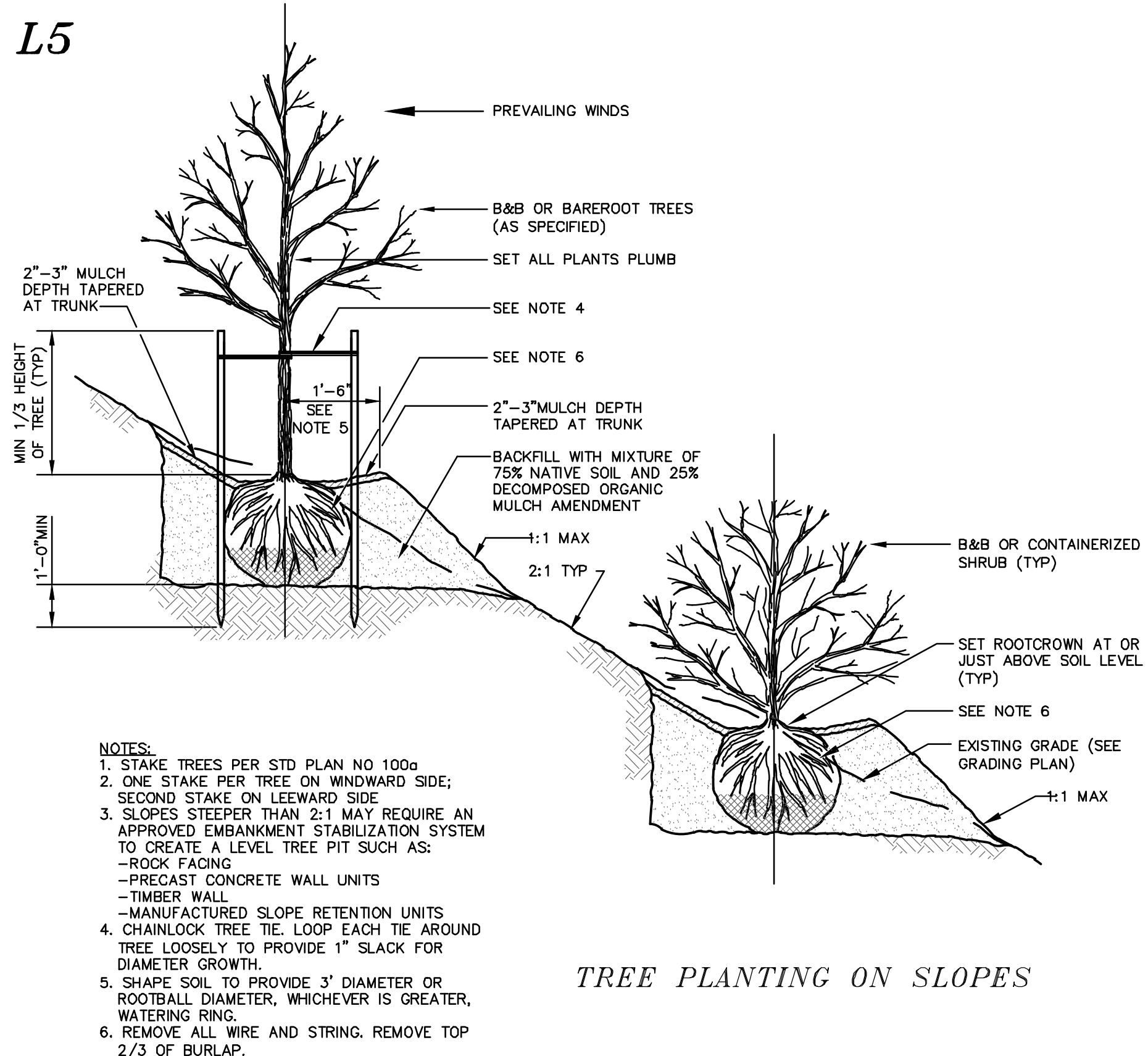
L6

- NOTES:
- CALL DIG SAFE PRIOR TO BEGINNING WORK. (1-888-344-7233). THE LANDSCAPE CONTRACTOR IS ADVISED OF THE PRESENCE OF UNDERGROUND UTILITIES AND SHALL VERIFY THE EXISTENCE AND LOCATION OF THE SAME BEFORE COMMENCING AND DIGGING OPERATIONS. THE LANDSCAPE CONTRACTOR SHALL REPLACE OR REPAIR UTILITIES, PAVING, WALKS, CURBING, ETC DAMAGED IN PERFORMANCE OF THIS JOB AT NO ADDITIONAL COST TO THE OWNER OR GENERAL CONTRACTOR.
 - CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS PRIOR TO CONSTRUCTION BIDDING. SEE NOTE XXX ON OVERALL SITE PLAN.
 - PROVIDED SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING CONDITIONS.
 - ALL PLANT MATERIAL INSTALLED SHALL MEET THE SPECIFICATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
 - ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.
 - ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIX, PLANT BED AND TREE PIT PREPARATION, PRUNING STAKING OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE FROM OWNER.
 - ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE AND OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.
 - NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.
 - ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 3" CLEAN SHREDDED BLACK MULCH.
 - WHERE INDICATED ON PLAN, PLANTING SOIL MIXTURE FOR GROUND COVER AND PERENNIAL BED AREAS SHALL CONSIST OF FOUR PARTS TOPSOIL, TWO PARTS SPHAGNUM PEAT MOSS, AND ONE PART HORTICULTURAL PERLITE BY VOLUME. PEAT MOSS MAY BE SUBSTITUTED WITH WELL-ROTTED OR DEHYDRATED MANURE OR COMPOST. ROTOTILL BEDS TO A DEPTH OF 8 INCHES.
 - MAINTENANCE OF NEW PLANTINGS AND LAWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND OR LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER. RESPONSIBILITIES SHALL INCLUDE WATERING WEEDING AND MOWING AS NECESSARY. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR AND ADDITIONAL YEAR FROM TIME OF INSTALLATION.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY EROSION CONTROL MEASURES DURING THE CONSTRUCTION PHASE AND UNTIL ALL AREAS HAVE BEEN STABILIZED AND ACCEPTED BY THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS OF EROSION MEASURE AND IMMEDIATELY AFTER STORM EVENTS AND REPAIR AS NECESSARY.
 - THE GENERAL CONTRACTOR AND OR THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL THREE GUYING MATERIAL ONCE PLANT MATERIAL HAS BEEN ESTABLISHED. (MINIMUM OF ONE GROWING SEASON). ALL TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVED ONCE STABILIZATION OF DISTURBANCE HAS BEEN ACCEPTED BY OWNER.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM OF TWO MOWINGS FOR ALL TURF AREAS OR UNTIL ACCEPTANCE BY THE OWNER. A MINIMUM UNIFORM 75% CATCH OF TURF IS REQUIRED FOR ACCEPTANCE.
 - ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.
 - SHRUBS OR TREES WHICH DIE SHALL BE REPLACED WITHIN ONE GROWING SEASON WITH NEW SHRUBS OR TREES TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE LANDSCAPING REQUIREMENTS.
 - ALL REQUIRED LANDSCAPING SHALL BE INSTALLED BEFORE OCCUPANCY, OR WITHIN SIX MONTHS IF OCCUPANCY OCCURS DURING WINTER CONDITIONS.
 - TREES ARE TO BE 2-2.5" CALIPER 6" OFF THE ROOT BALL.
 - ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 - NURSERY STOCK, LATEST EDITIONS (AMERICAN ASSOCIATION OF NURSERYMEN, INC.)
 - 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUND COVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.
 - PLANT-PIT BACK-FILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PARTS OF DEHYDRATED COW MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON-SITE TOPSOIL AS PART OF BACK FILL WHEN AVAILABLE.
 - ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUND COVER SHALL BE RESTORED WITH SEED OR SOD AS INDICATED ON PLANS.

TYPICAL SLOPE GROUND COVER PLANTINGS L4



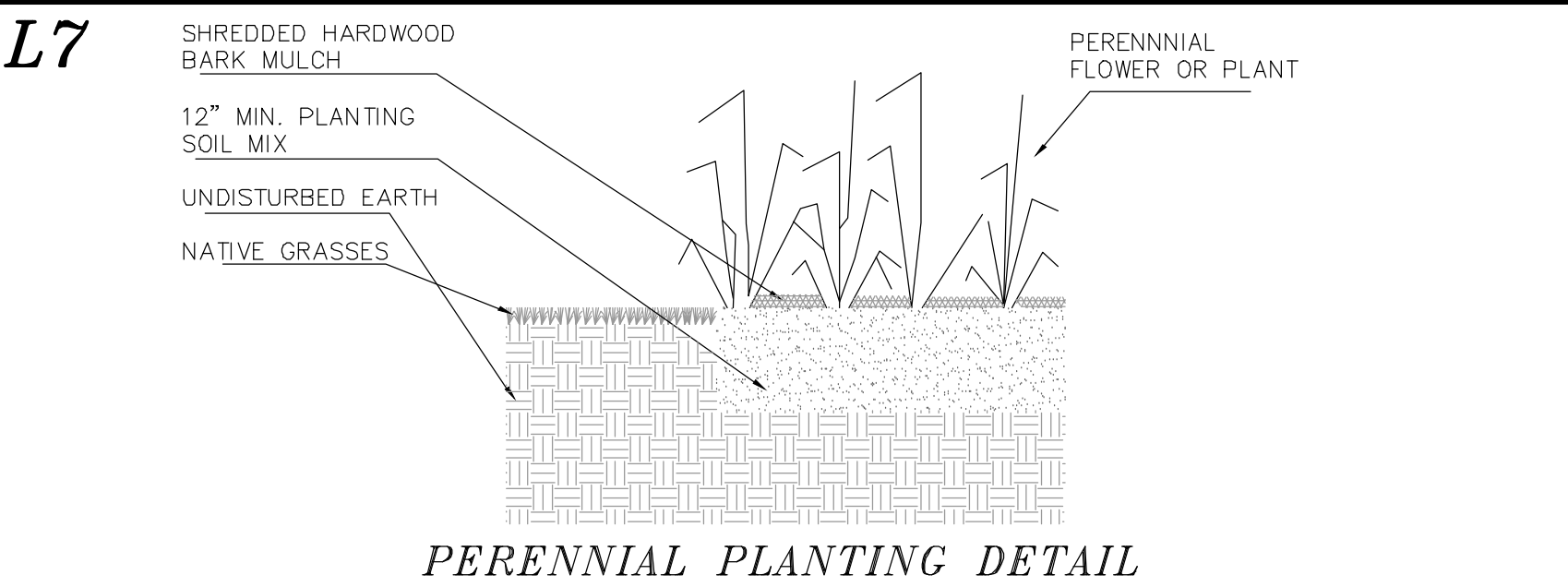
L5



TREE PLANTING ON SLOPES

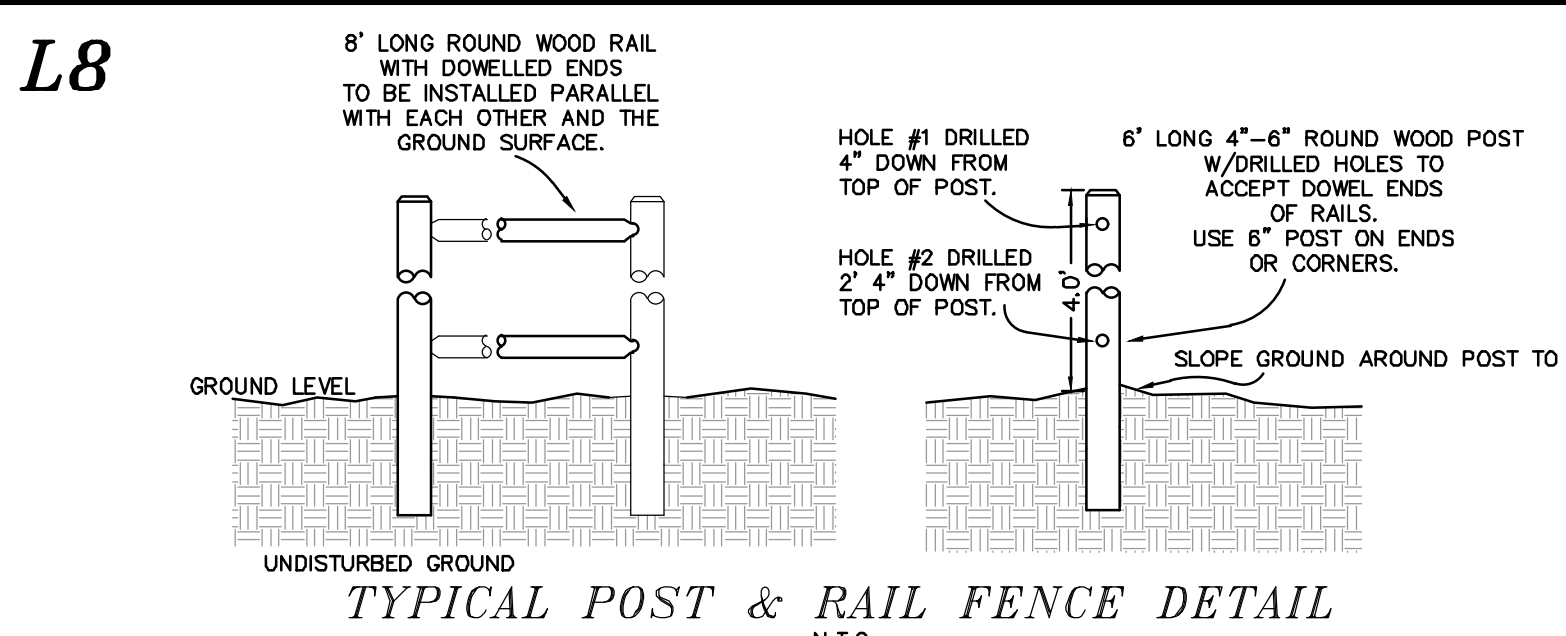
- NOTES:
- STAKE TREES PER STD PLAN NO 100a
 - ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEeward SIDE
 - SLOPES STEEPER THAN 2:1 MAY REQUIRE AN APPROVED EMBANKMENT STABILIZATION SYSTEM TO CREATE A LEVEL TREE PIT SUCH AS:
 - ROCK FACING
 - PRECAST CONCRETE WALL UNITS
 - TIMBER WALL
 - MANUFACTURED SLOPE RETENTION UNITS
 - CHAINLOCK TREE TIE. LOOP EACH TIE AROUND TREE LOOSELY TO PROVIDE 1" SLACK FOR DIAMETER GROWTH.
 - SHAPE SOIL TO PROVIDE 3' DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
 - REMOVE ALL WIRE AND STRING. REMOVE TOP 2/3 OF BURLAP.

L7



PERENNIAL PLANTING DETAIL

L8



TYPICAL POST & RAIL FENCE DETAIL N.T.S.

L-101

COMPOSITE DETAILS	FINALIZE PER PEER REVIEWS
LAND OF DOMUS DEVELOPERS INC. ROUTE 4 / OLD TURNPIKE ROAD NOTTINGHAM, N.H. TAX MAP 6, LOT 22	REVISION DATE
#1	8-15-19

LANDSCAPING CONSTRUCTION DETAILS	COMPOSITE DETAILS
LAND OF DOMUS DEVELOPERS INC. ROUTE 4 / OLD TURNPIKE ROAD NOTTINGHAM, N.H. TAX MAP 6, LOT 22	FINALIZE PER PEER REVIEWS
#1	8-15-19

BERRY SURVEYING & ENGINEERING

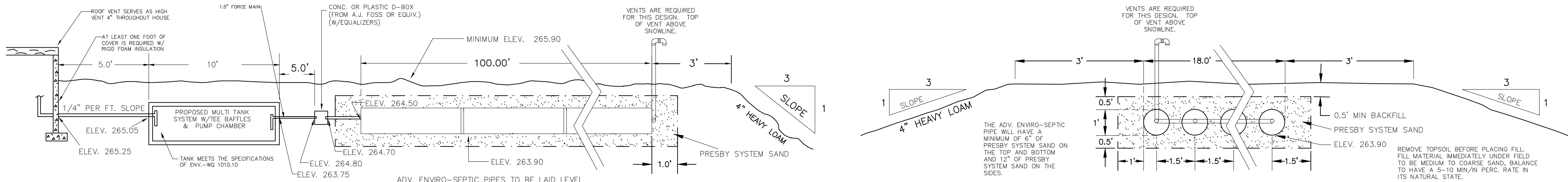
335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)332-2863

AS NOTED

DATE: JUNE 3, 2019

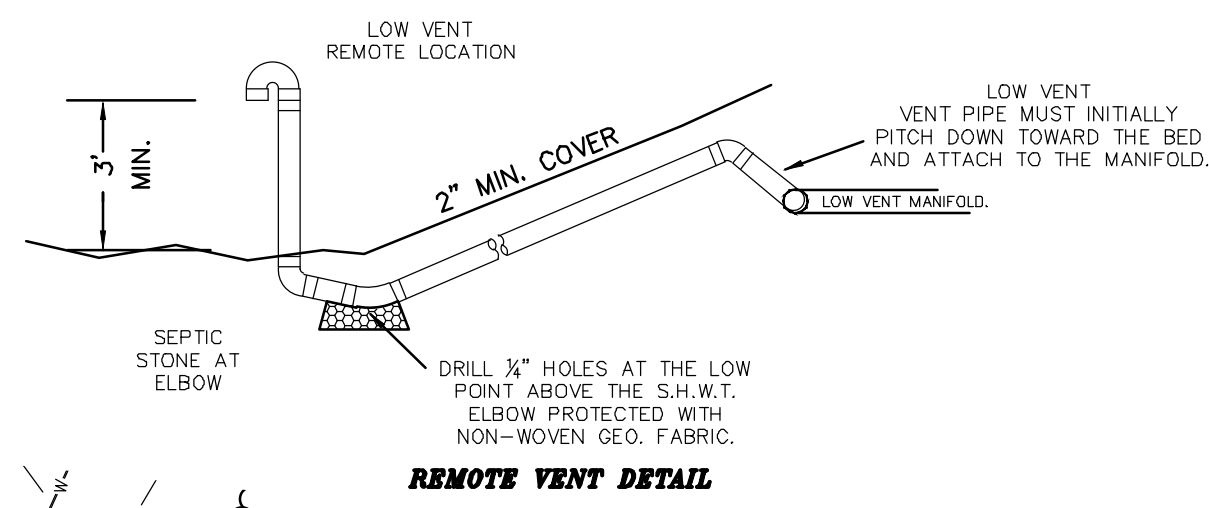
FILE NO.: DB 2018 - 030

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER



SOLID PLASTIC PIPE IS 4" SDR35. ALL CONNECTIONS BETWEEN THE SEPTIC TANK AND THE PIPES LEADING TO AND EXITING FROM THE TANK SHALL BE SEALED WITH A WATERTIGHT, FLEXIBLE JOINT CONNECTOR

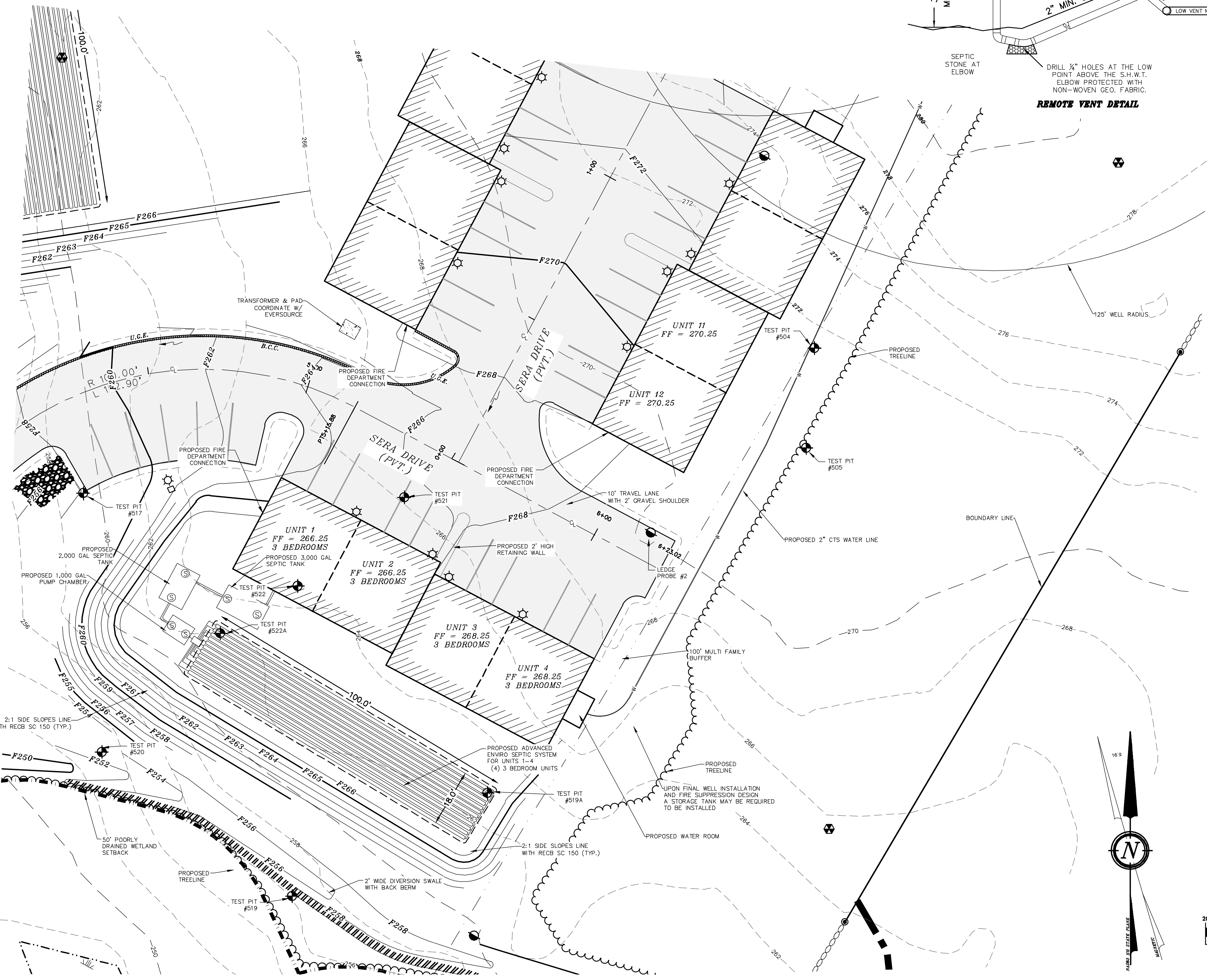
PROFILE OF SEPTIC SYSTEM



REMOTE VENT DETAIL

CROSS-SECTION OF DISPOSAL FIELD

REMOVE TOPSOIL BEFORE PLACING FILL. FILL MATERIAL IMMEDIATELY UNDER FIELD TO BE MEDIUM TO COARSE SAND. BALANCE TO HAVE A 5-10 MIN/IN PERC. RATE IN ITS NATURAL STATE.



SOIL DATA :
43B & 43C
SEE WEBSOIL

TEST PIT DATA:
TEST PIT #519A
RIPPABLE BOULDER OR LEDGE FROM 20"
EXTREMELY STONEY
TERMINATED @ 48"
E.S.H.W.T @ 24"
REFUSAL @ 48", LEDGE
NO GROUND WATER OBSERVED
ROOTS TO 16"
TEST PIT #522A
0-3' 10YR 3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
3-20' 10YR 5/8, YELLOWISH BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
20-48' 2.5Y 4/4, OLIVE BROWN, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE/FRIABLE IN HAND
TERMINATED @ 48"
E.S.H.W.T @ 20"
NO REFUSAL
NO GROUND WATER OBSERVED
ROOTS TO 26"

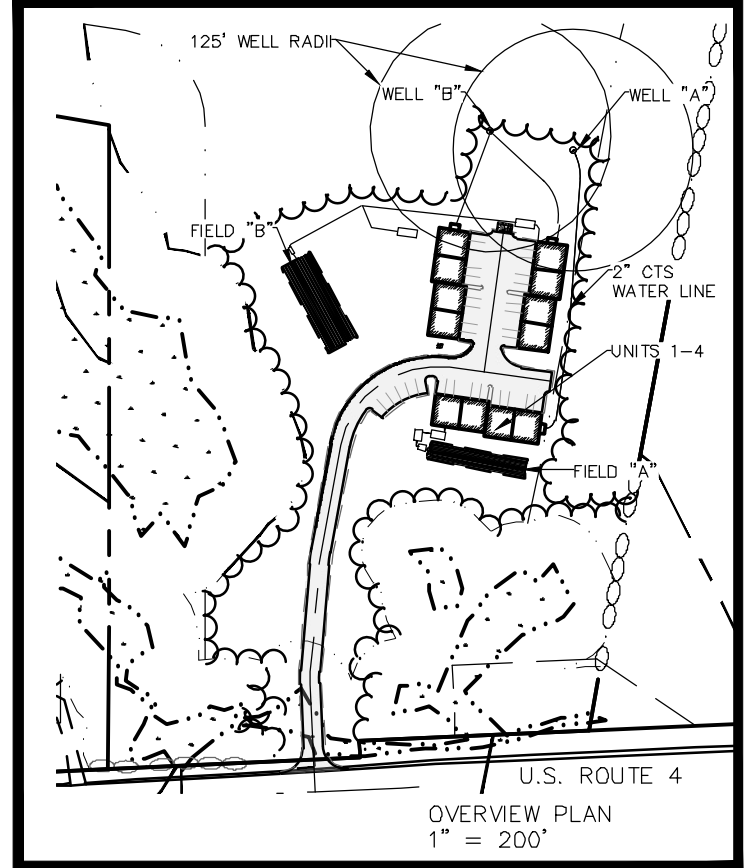
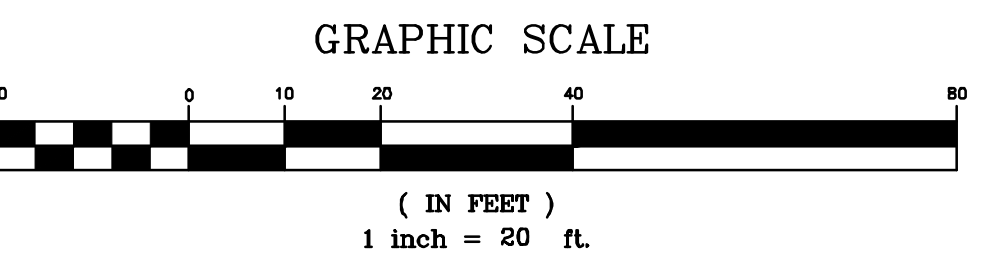
CALCULATIONS :
12 BEDROOM HOUSE, 1800 GPD
USE 3000 GAL. SINGLE COMPARTMENT CONCRETE SEPTIC TANK & 2000 GAL. SINGLE COMPARTMENT CONCRETE SEPTIC TANK. (FROM A.J. FOSS OR EQUIV.)
12 MIN/IN MEASURED PERC RATE
12 MIN/IN DESIGN PERC RATE
1080 - MIN. LENGTH ADV. ENVIRO SEPTIC PIPE REQUIRED
1200 - PROPOSED LENGTH OF ADV. ENVIRO SEPTIC PIPE
120 - TOTAL NUMBER OF 10' SECTIONS OF ADV. ENVIRO SEPTIC PIPE REQUIRED
12 ROWS OF ADV. ENVIRO SEPTIC PIPE, EACH ROW 100' LONG

ELEVATIONS :
263.00 - HIGH POINT OF LEACH BED
261.40 - S.H.W.T.
N/A - IMPERVIOUS LAYER
263.90 - BOTTOM OF ADV. ENVIRO-SEPTIC PIPES

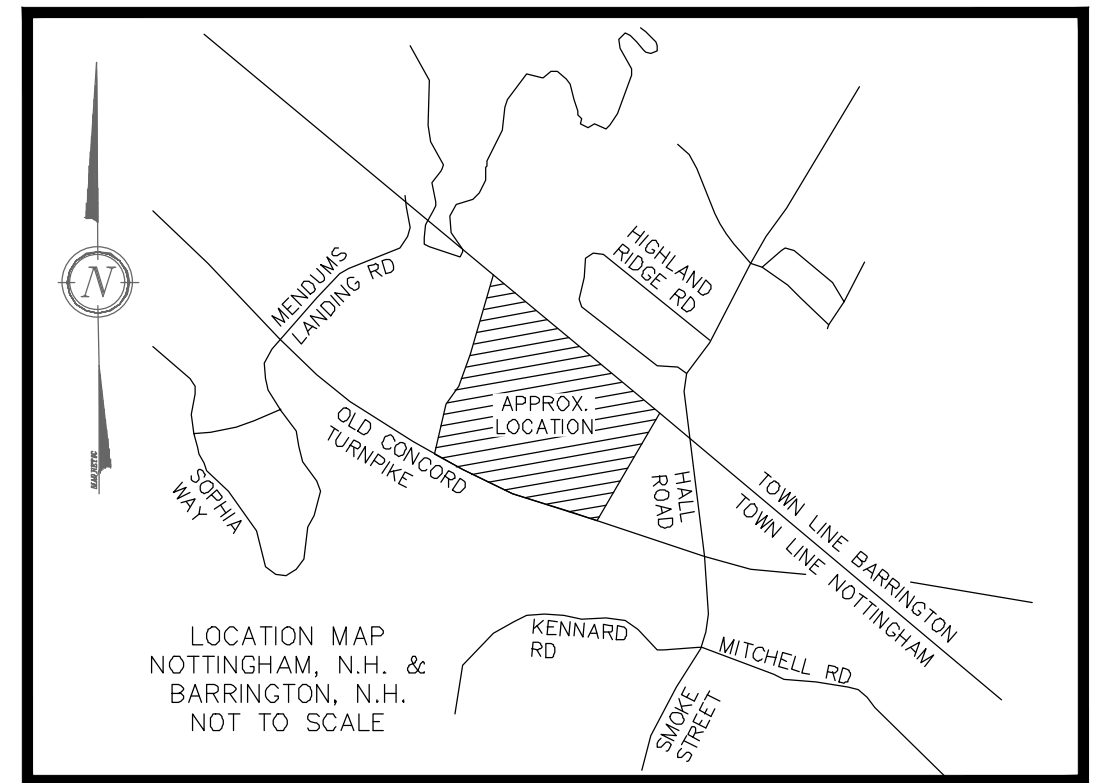
PLAN INTENT :
THE SEPTIC SYSTEM IS TO BE CONSTRUCTED WITH THE BOTTOM OF THE LEACH BED 0.90' THE HIGH POINT OF THE EXISTING LAND.
IN THE EVENT OF LEACH BED FAILURE, IT MAY BE REBUILT IN PLACE WITH NHDES APPROVAL.

WETNOTE :
THE WETLAND DELINEATION WAS COMPLETED FEBRUARY, 2018 IN ACCORDANCE WITH THE 1987 CORP OF ENGINEERS WETLAND DELINEATION MANUAL. JURISDICTIONAL WETLANDS WERE IDENTIFIED AND DELINEATED USING THE ROUTINE DETERMINATIONS METHOD AS OUTLINED IN THE MANUAL. THE DELINEATION WAS DONE BY: JOSEPH N. BERRY, NHDES SUBSURFACE SYSTEMS DESIGNER #1882

CAUTION !!!!
ANY DEVIATION FROM THIS PLAN IN GRADE OR LOCATION OF THE SEPTIC SYSTEM WHEN CONSTRUCTED WITHOUT THE APPROVAL OF THE DESIGNER AND NH-DES SUBSURFACE SYSTEMS BUREAU MAY RESULT IN THE FAILURE OF THE SYSTEM TO PASS INSPECTION BY NH-DES SUBSURFACE SYSTEMS BUREAU PRIOR TO OPERATION APPROVAL, OR FUNCTION PROPERLY AND SAFELY.



- NOTES:**
- OWNER: DOMUS DEVELOPERS INC. 11 WHITEHORSE DRIVE RYE, NH 03870
 - DESIGNER: CHRISTOPHER R. BERRY #1886 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825
 - TAX MAP 6, LOT 22
 - LOT AREA: 26.74 Ac.
 - R.C.R.D. BOOK , PAGE
 - SUBDIVISION STATUS: OVER 5 ACRES
 - FOUNDATION DRAINS WILL START AT LEAST 15' FROM THE LEACH FIELD, AND AT LEAST 5' FROM THE SEPTIC TANK.
 - THERE IS NO SURFACE WATER OR VERY POORLY DRAINED SOILS WITHIN 50', OR VERY POORLY DRAINED SOILS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
 - THIS DESIGN DOES NOT ALLOW FOR THE USE OF A GARBAGE GRINDER. IF A GRINDER IS TO BE INCORPORATED A LARGER SEPTIC TANK WILL BE REQUIRED.
 - THIS DESIGN DOES NOT ALLOW FOR THE ACCEPTANCE OF WATER TREATMENT BACKWASH. IF A WATER TREATMENT SYSTEM IS TO BE INCORPORATED A LARGER LEACHFIELD WILL BE REQUIRED.
 - IN THE EVENT A DISCREPANCY IS FOUND ON THIS PLAN, THE DESIGNER SHOULD BE CONTACTED IMMEDIATELY AT 603-332-2863 TO DISCUSS AN APPROPRIATE PLAN OF ACTION.
 - THIS IS NOT A BOUNDARY SURVEY.
 - THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS.



REVISION	DATE	DESCRIPTION

SCHEMATIC PROPOSED ADVANCED ENVIRO SEPTIC SYSTEM EFFLUENT DISPOSAL FIELD "A" FOR DOMUS DEVELOPERS INC. SERA DRIVE NOTTINGHAM, N.H. TAX MAP 6, LOT 22

NEW HAMPSHIRE
Designer
Subsurface Disposal Systems
Christopher R. Berry
No. 1886
Department of Environmental Services

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : AUGUST 1, 2019
FILE NO. : DB 2018 - 030

