

TABLE OF CONTENTS:

SHEET 1 ~ NEIGHBORHOOD PLAN
 SHEET 2 ~ EXISTING CONDITIONS PLAN
 SHEET 3 ~ OVERVIEW SITE PLAN
 SHEET 4 ~ CHRISTMAS LANE SITE PLAN 0+00 TO 5+00
 SHEET 5 ~ CHRISTMAS DOVE SITE PLAN
 SHEET 6 ~ OVERVIEW GRADING PLAN
 SHEET 7 ~ GRADING AND DRAINAGE CHRISTMAS LANE 0+00 TO 5+00
 SHEET 8 ~ EROSION & SEDIMENT CONTROL PLAN HRCU
 SHEET 9 ~ EROSION & SEDIMENT CONTROL PLAN CHRISTMAS DOVE
 SHEET 10 ~ R-101 RAIN GARDEN DETAILS
 SHEET 11 ~ R-102 RAIN GARDEN DETAILS
 SHEET 12 ~ NH ROUTE 9 WEST BOUND SIGHT DISTANCE PLAN
 SHEET 13 ~ NH ROUTE 9 EAST BOUND SIGHT DISTANCE PLAN
 SHEET 14 ~ CROSS SECTION 0+00 TO END
 SHEET 15 ~ E101-EROSION & SEDIMENT DETAILS
 SHEET 16 ~ E102-EROSION & SEDIMENT DETAILS
 SHEET 17 ~ C101-CONSTRUCTION DETAILS
 SHEET 18 ~ C102-CONSTRUCTION DETAILS
 SHEET 19 ~ C103-CONSTRUCTION DETAILS

CHRISTMAS LANE RECONSTRUCTION FOR 1962 REAL ESTATE, LLC JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, N.H. TAX MAP 239, LOT 2 TAX MAP 235, LOT 1

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 BARRINGTON COMMUNITY SERVICES DEPARTMENT.

OWNER: 1962 REAL ESTATE LLC
 40 WAKEFIELD STREET
 ROCHESTER, NH 03866

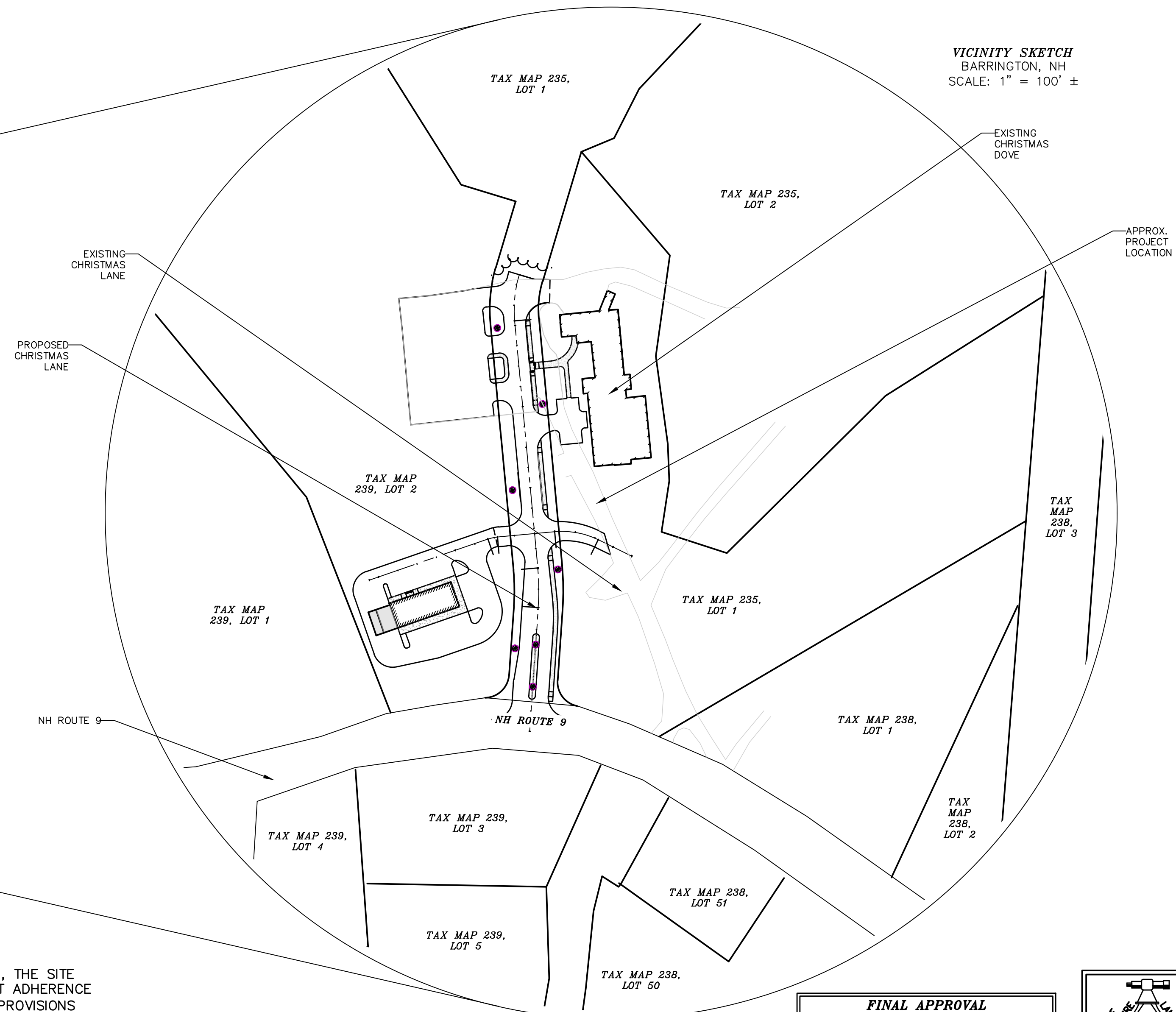
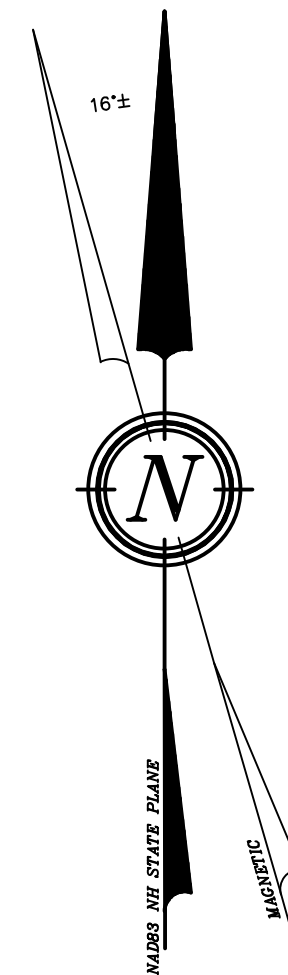
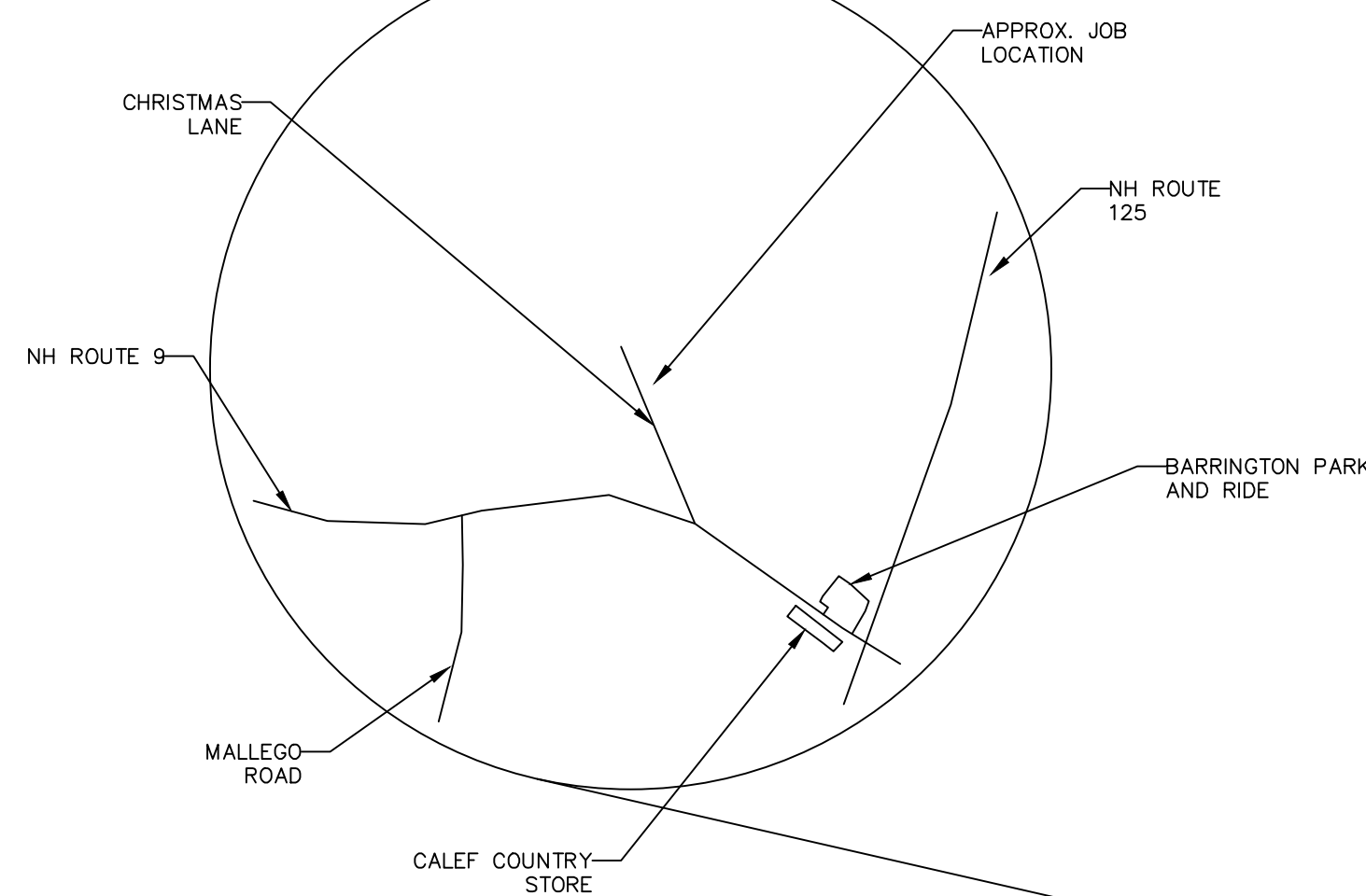
JOHN & LINDA SVENSON
 P.O. BOX 10
 BARRINGTON, NH 03825

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

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

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

LOCATION PLAN
 BARRINGTON, NH
 NOT TO SCALE



VICINITY SKETCH
 BARRINGTON, NH
 SCALE: 1" = 100' ±

REQUIRED PERMITS:

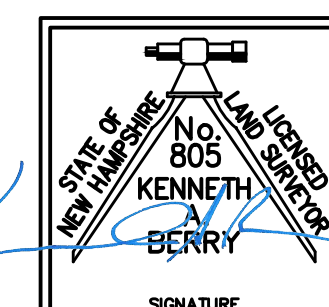
- 1.) EPA NOTICE OF INTENT: PENDING
- 2.) NHDOT DRIVEWAY PERMIT: PENDING

GENERAL PLAN SET NOTES:

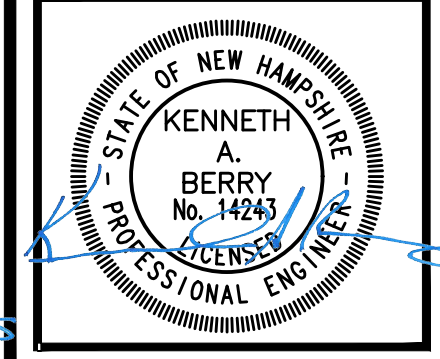
- 1.) 11x17" PLANS ARE HALF THE PUBLISHED SCALE.
- 2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE TOWN OF BARRINGTON.

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 BARRINGTON LAND SITE PLAN 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 SITE PLAN APPROVAL.

FINAL APPROVAL
 BY
BARRINGTON PLANNING BOARD
 CERTIFIED BY : _____
 DATE : _____



BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : AS SHOWN
 DATE : AUGUST 13, 2018
 FILE NO. : DB 2018 - 005



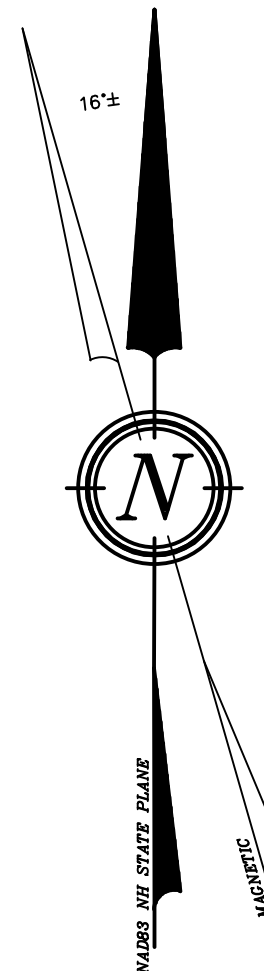
COVER SHEET
 LAND OF
 1962 REAL ESTATE LLC &
 JOHN & LINDA SVENSON
 FRANKLIN PIERCE HIGHWAY
 BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

#	REVISION	DATE	DESCRIPTION
1		9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

ABBREVIATION LEGEND:

- S.G.C. SLOPED GRANITE CURB
- V.G.C. VERTICAL GRANITE CURB
- E.O.P. EDGE OF PAVEMENT
- B.C.C. BITUMINOUS CONCRETE CURB
- BITUM. BITUMINOUS
- E.O.P. EDGE OF PAVEMENT
- E.S.H.W.T ESTIMATE SEASONAL HIGH WATER TABLE
- TYP. TYPICAL
- T. BLOCK THRUST BLOCK
- CONC. CONCRETE
- U.G.E. UNDER GROUND ELECTRIC / UTILITY
- U.D. UNDER DRAIN
- F.E.S. FLARED END SECTION
- HDPE HIGH DENSITY POLYETHYLENE
- RCP REINFORCED CONCRETE PIPE
- F.G. FINISHED GRADE
- E.G. EXISTING GRADE
- T.W. TRAVELED WAY
- T.B.R. TO BE REMOVED
- '/, FEET / FEET

- { 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)



PROPOSED LEGEND:

- UTILITY POLE
- UTILITY PADS
- SEWER MANHOLE
- WATER SHUT OFF / VALVE
- HYDRANT
- THRUST BLOCK
- LIGHTING
- CATCH BASIN / DRAIN MANHOLE
- SIGNAGE
- LAMP
- CHECK DAM-MATERIAL AS SPECIFIED
- P41 — CONTOUR MINOR
- P40 — CONTOUR MAJOR
- P40.33 — SPOT GRADE
- P40.33 — CULVERT W/ FLARED END SECTION (F.E.S.)
- DETAIL SHEET / DETAIL
- TREE LINE
- CENTER LINE
- UGE — UNDERGROUND UTILITY
- UGE — TRANSFORMER / J.BOX
- U.D. — UNDER DRAIN
- W — WATER LINE
- S — SEWER LINE
- G — GAS LINE
- SF — SILT FENCE / EROSION MIX BERM
- SS — FILTREXX 8" - 12" SILT SOXX AS SPECIFIED
- C — ORANGE CONSTRUCTION PERIMETER FENCE
- PROJECT LIMITS

SIGN ID NUMBER	SIGN SIZE (WIDTH x HEIGHT)	SIGN	TEXT DIMENSIONS	NO. OF SIGNS	BACKGROUND	LEGEND	BORDER	POST SIZE & QUANTITY
R1-1	30"x30"	STOP	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	5	RED	WHITE	WHITE	SQUARE (5)
R2-1	12"x18"	SPEED LIMIT 25	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE	GREEN	GREEN	SQUARE (1)
R4-7	24"x30"	UPWARD ARROW	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE W/ BLACK ARROW	BLACK	BLACK	SQUARE (1)
R7-8	12"x18"	RESERVED PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	6	WHITE	GREEN W/ WHITE SYMBOL ON BLUE	RED	SQUARE (6)
R7-8a	12"x6"	VAN ACCESSIBLE	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	4	WHITE	GREEN	GREEN	SQUARE (0)
R8-31	12"x18"	NO PARKING FIRE LANE	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	3	WHITE	RED	RED	SQUARE (2)
W3-1	30"x30"	YIELD	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	YELLOW W/ RED SYMBOL	WHITE	BLACK	SQUARE (1)
W14-2	30"x30"	NO OUTLET	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	YELLOW	BLACK	BLACK	SQUARE (1)
W11-2	30"x30"	PEDESTRIAN	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	4	YELLOW	BLACK	BLACK	SQUARE (4)

ABUTTERS WITHIN 200':

- N/F 1962 REAL ESTATE LLC
133 BROOK STREET
ROCHESTER, NH 03867
TAX MAP 239, LOT 2
S.C.R.D. BOOK 4554, PAGE 813
- N/F KAY, EDWARD
21 LITTLEWORTH
DOVER, NH 03820
TAX MAP 234, LOT 79
- N/F SVENSON, GARTH & ELIZABETH
P.O. BOX 10
BARRINGTON, NH 03825
TAX MAP 235, LOT 2
S.C.R.D. BOOK 3366, PAGE 451
- N/F SVENSON, JOHN & LINDA
P.O. BOX 10
BARRINGTON, NH 03825
TAX MAP 235, LOT 3
- N/F BENNETT, BERNARD F. & SUSAN D.
611 FRANKLIN PIERCE HWY.
BARRINGTON, NH 03825
TAX MAP 238, LOT 1
S.C.R.D. BOOK, 3954, PAGE 119
- N/F SVENSON, LINDA LC
P.O. BOX 10
BARRINGTON, NH 03825
TAX MAP 238, LOT 3
S.C.R.D. BOOK 4022, PAGE 576
- N/F 614 FPH REAL ESTATE LLC
P.O. BOX 57
BARRINGTON, NH 03825
TAX MAP 238, LOT 15
S.C.R.D. BOOK 4255, PAGE 398
- N/F HENDERSON, DAVID & GLENDA
UND. INT. LIV. REVOCABLE TRUST 1/2
1273 WINGED FOOT LANE
DENVER, CO 80337-6500
TAX MAP 239, LOT 1-1
- N/F WARD, SARAH & PETER
643 FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239, LOT 1

ABUTTERS WITHIN 200':

- N/F ROWELL, MARK K & SHERRY B
74 BLACKWATER ROAD
ROCHESTER, NH 03867
TAX MAP 239, LOT 3
S.C.R.D. BOOK 4364, PAGE 898
- N/F LEAVITT, NATHANIEL & VICTORIA J
30 RIVERSIDE FARM ROAD APARTMENT B
LEE, NH 03867
TAX MAP 239, LOT 4
- N/F TOWN CENTER PROPERTIES LLC
270 GULF ROAD
DOVER, NH 03820
TAX MAP 239, LOT 7
S.C.R.D. BOOK 4347, PAGE 960

EXISTING LEGEND:

- IRON BOUND ~TBS~
- IRON BOUND ~FND~
- GRANITE BOUND ~FND~
- GRANITE BOUND ~TBS~
- STONE BOUND ~FND~
- UTILITY POLE
- GUY WIRE
- FIRE HYDRANT
- CATCH BASIN
- SEWER MANHOLE
- SINGLE POST SIGN
- TEST PIT
- TREE
- BUILDING SETBACK LINE
- EASEMENT LINE
- GAS LINE
- OVERHEAD UTILITIES
- HIGHWAY FENCE
- SOILS LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- EXISTING CULVERT PIPE
- WETLAND LINE



VICINITY SKETCH
BARRINGTON, NH
SCALE: 1" = 100' ±

#	REVISION	DATE	DESCRIPTION
1	9-6-18		REVISED PER DBK COMMENTS OF 9-5-18

NEIGHBORHOOD PLAN
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SVENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : AS SHOWN
DATE : AUGUST 13, 2018
FILE NO. : DB 2018 - 005

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN MAY OF 2017 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. NEWPCC WETLANDS WORKGROUP, WILMINGTON, MA 01887.
- 3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 21.0 (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.
- 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.
- 6) WETLANDS RESEARCH PROGRAM TECHNICAL REPORT Y-87-1.
- 7) REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS.
- 8) ENVIRONMENTAL LABORATORY ERDC/EL TR-12-1.
- 9) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, DECEMBER 1979. L. COWARDIN, V. CARTER, F. GOLET, AND E. LAROE. US DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE. FWS/OBS-79/31.

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

N/F DAVID R. & GLENDA J. HERDERSON
UND INT LIV REV TRUST 1/2
1272 WINGED FOOT LANE
DENVER, NC 28037-6520
S.C.R.D. BOOK 897, PAGE 121
TAX MAP 235, LOT 1
SEE PLAN REFERENCE #5
LOT AREA: 1,262,804.40 Sq. Ft., 28.99 Ac.

N/F JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03825
S.C.R.D. BOOK 993, PAGE 080
TAX MAP 235, LOT 1
LOT AREA
323,215 Sq. Ft.,
7.42 Ac.

TEST HOLE DATA: 5-19-17

TEST PIT #1
0-6" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
6-40" 7.5YR 5/4 SAND AND GRAVEL, GRANULAR, FRIABLE
40-60" 10YR 5/4 SAND AND GRAVEL, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES
60-72" 10YR 7/2 FINES, GRANULAR, FRIABLE, MANY AND PROMINENT MOTTLES

E.S.H.W.T. @ 40"
GROUND WATER @ 40"
TERMINATED @ 72"
ROOTS @ NONE
REFUSAL @ NONE
PERC. = 2 MIN/IN

TEST PIT #2
0-8" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
8-42" 7.5YR 5/4 SAND AND GRAVEL, GRANULAR, FRIABLE
42-72" 2.5YR 6/8 SAND AND GRAVEL, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ NONE
NO GROUND WATER
TERMINATED @ 72"
ROOTS @ NONE
REFUSAL @ NONE
PERC. = 2 MIN/IN

TEST PIT #3
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
3-28" 10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
28-48" 10YR 7/4 FINE LOAMY SAND, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 25"
GROUND WATER @ 48"
TERMINATED @ 48"
ROOTS @ 24"
REFUSAL @ 48"
PERC. = 10 MIN/IN

TEST PIT #4
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
3-25" 10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
25-49" 10YR 7/4 FINE LOAMY SAND, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 25"
GROUND WATER @ 49"
TERMINATED @ 49"
ROOTS @ 24"
REFUSAL @ 49"
PERC. = 10 MIN/IN

TEST HOLE DATA: 5-19-17

TEST PIT #5
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
3-30" 7.5YR 5/4 FINE SANDY LOAM, GRANULAR, FRIABLE
30-36" 10YR 5/4 FINE SANDY LOAM, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 30"
GROUND WATER @ NONE
TERMINATED @ 36"
ROOTS @ 24"
REFUSAL @ 36" (LEDGE)
PERC. = 10 MIN/IN

TEST PIT #6
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
3-30" 7.5YR 5/4 FINE SANDY LOAM, GRANULAR, FRIABLE
30-36" 10YR 5/4 FINE SANDY LOAM, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 30"
GROUND WATER @ NONE
TERMINATED @ 36"
ROOTS @ 24"
REFUSAL @ 36" (LEDGE)
PERC. = 10 MIN/IN

TEST PIT #7
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
3-30" 7.5YR 5/4 FINE SANDY LOAM, GRANULAR, FRIABLE
30-65" 10YR 5/4 FINE SANDY LOAM, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 30"
GROUND WATER @ NONE
TERMINATED @ 65"
ROOTS @ 24"
REFUSAL @ 65"
PERC. = 10 MIN/IN

TEST PIT #8
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
3-28" 7.5YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
28-66" 10YR 6/3 FINE SANDY LOAM, GRANULAR, FIRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 28"
GROUND WATER @ NONE
TERMINATED @ 66"
ROOTS @ 24"
REFUSAL @ 66"
PERC. = 10 MIN/IN

TEST PIT #100
0-4" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
4-28" 7.5YR 5/6 FINE SAND, GRANULAR, FRIABLE
28-48" 7.5YR 5/4 FINE SAND, SINGLE GRAIN, LOOSE IN HAND

E.S.H.W.T. @ 28"
GROUND WATER @ NONE
TERMINATED @ 48"
ROOTS @ 24"
REFUSAL @ NONE
PERC. = 4 MIN/IN

TEST PIT #101A
0-4" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE, TOPSOIL
4-32" 7.5YR 5/6 FINE SAND, GRANULAR, FRIABLE
32-48" 7.5YR 5/4 FINE SAND, SINGLE GRAIN, LOOSE IN HAND

E.S.H.W.T. @ 32"
GROUND WATER @ NONE
TERMINATED @ 48"
ROOTS @ 24"
REFUSAL @ NONE
PERC. = 4 MIN/IN

SOILS:

- GsC - GLOUCESTER VERY STONY FINE SANDY LOAM, 8 TO 15% SLOPES
- HdB - HOLLIS-CHARLTON VERY ROCKY FINE SANDY LOAMS, 3 TO 8% SLOPES
- HdC - DEERFIELD LOAMY SAND, 0 TO 3% SLOPES
- WdA - WINDSOR LOAMY SAND, 0 TO 3% SLOPES

N/F LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03825
S.C.R.D. BOOK 422, PAGE 576
TAX MAP 235, LOT 1
FORMER RAIL ROAD R.O.W.
SEE PLAN REFERENCE #2

ABUTTERS ACROSS ROAD:

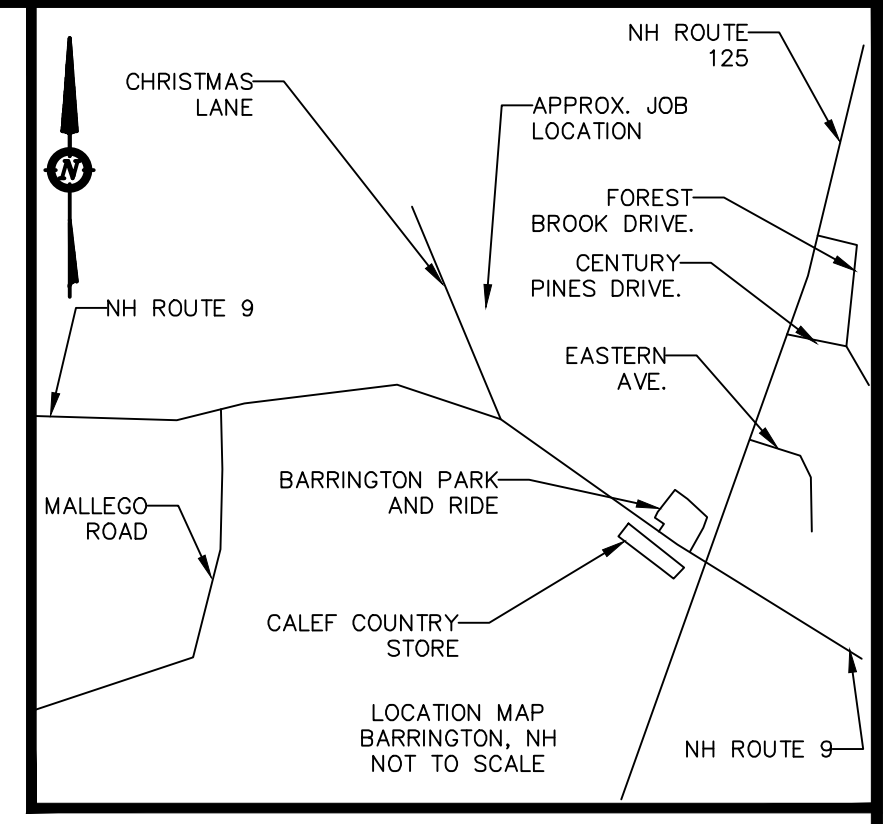
N/F 614 FPH REAL ESTATE LLC
PO BOX 57
BARRINGTON, NH 03825
BOOK 4255, PAGE 398
TAX MAP 238, LOT 61

N/F MARK K & SHERRY B ROWELL
624 FRANKLIN PIERCE HWY
BARRINGTON, NH 03825
BOOK 4363, PAGE 898
TAX MAP 239, LOT 3

N/F BERNARD F. & SUSAN D. BENNETT
611 FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
S.C.R.D. BOOK 3954, PAGE 119
TAX MAP 239, LOT 1
SEE PLAN REFERENCE #3
LOT AREA: 82,764 Sq. Ft., 1.9 Ac.

N/F TOWN CENTER PROPERTIES LLC
270 GULF RD
DOVER, NH 03820
S.C.R.D. BOOK 4347, PAGE 960
TAX MAP 239, LOT 7

N/F VICTORIA J. & NATHANIEL LEAVITT
30 RIVERSIDE FARM DRIVE APT B
LEE, NH 03861
S.C.R.D. BOOK 4484, PAGE 278
TAX MAP 239, LOT 4



NOTES:

- 1) OWNER: A.) 1962 REAL ESTATE LLC 40 WAKEFIELD STREET ROCHESTER, NH 03866 B.) JOHN & LINDA SVENSON P.O. BOX 10 BARRINGTON, NH 03825
- 2) A.) TAX MAP 239, LOT 2 B.) TAX MAP 235, LOT 1 & 1-1
- 3) LOT AREA: A.) 312,181 Sq. Ft., 7.17 Ac. B.) 185,080 Sq. Ft., 4.25 Ac. & 323,215 Sq. Ft., 7.42 Ac.
- 4) S.C.R.D. A.) BOOK 4268, PAGE 115 B.) BOOK 993, PAGE 080
- 5) ZONING: TOWN CENTER FRONTAGE ~ 40.0' MINIMUM LOT SIZE ~ 20,000 SQUARE FEET FRONT SETBACK ~ 20.0' NH ROUTE 125/9 SET BACK: ~ 50' REAR SETBACK ~ 15.0' SIDE SETBACK ~ 15.0' COMMERCIAL / RESIDENTIAL BUFFER ~ 50.0' WETLANDS/WATERBODY SETBACK ~ 50.0' MAX. STRUCTURE HEIGHT: 40.0'
- 6) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, PART OF THIS PARCEL DOES FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -3301178, MAP# - 33017C03056, DATED: SEPTEMBER 30, 2015.
- 7) VERTICAL DATUM BASED ON USGS NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SPR SURVEY GRADE GPS RECEIVERS.
- 8) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF TAX MAP 239 LOT 2 AND TAX MAP 235 LOT 1 & 1-1

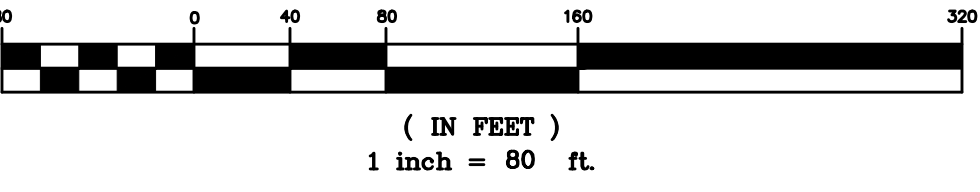
ROAD NOTE:

NH ROUTE 9 / FRANKLIN PIERCE HIGHWAY;
CLASS V. PAVED
4.5% WIDE, NH STATE PAPERS - BOOK 18, PAGE 859

LEGEND:

- DRILL HOLE (FND)
- IRON PIPE (FND)
- IRON BOUND (FND)
- UTILITY POLE
- WELL
- NRCS SOIL DELINEATION LINE
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- BUILDING SETBACK LINE
- OVERHEAD UTILITIES LINE
- STRAFFORD COUNTY REGISTRY OF DEEDS
- S.C.R.D. TYP.
- FND FOUND

GRAPHIC SCALE



I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND OF THE TOWN OF BARRINGTON, N.H.-- 1:10,000 --
9-11-18
KENNETH A. BERRY LLS 805 DATE

PLAN REFERENCES:

1. PAGE 859 OF THE MISCELLANEOUS PROVINCIAL PAPERS, ON RECORD AT NHDOT AND THIS OFFICE.
2. RIGHT OF WAY AND TRACK MAP, BOSTON & MAINE R.R. STATION 4609+60 TO STATION 4662+40 6VNH/89.
3. SUBDIVISION PLAN OF E.RICHARD ROWELL BARRINGTON, NH DATED: MARCH 1982 BY: FREDERICK E. DREW ASSOCIATES S.C.R.D. PLAN #24A-24
4. SEPTIC EASEMENT PLAN EASEMENT TO BE DEED TO JOHN P. & LINDA C. SVENSON OVER LAND OF JOHN P. & LINDA C. SVENSON, BARRINGTON, NH DATED: JUNE 1993 BY: FREDERICK E. DREW ASSOCIATES S.C.R.D. BOOK 1679 PAGE 737
5. SUBDIVISION PLAN PREPARED FOR DAVID R. & GLENDA J. HENDERSON OF TAX MAP 239, LOT 1 LOCATED AT NH ROUTE 9, BARRINGTON, NH. DATED: SEPTEMBER 21, 2005 BY: LAND SURVEYING SERVICES S.C.R.D. PLAN #87-36
6. PLAN OF LAND OF PROPERTY IN THE NAME OF R.L.C. HOLDINGS INC. FORMERLY CALEF'S INC. SHOWN AS TAX MAP 239, LOT 7, LOCATED AT MALLEGO ROAD, CALEF HIGHWAY (ATA NH ROUTE 125) AND FRANKLIN PIERCE HIGHWAY (AKA NH ROUTE 9) BARRINGTON, NH DATED: SEPTEMBER 17, 2015 BY: LAND SURVEYING SERVICES S.C.R.D. PLAN #110-020
7. SUBDIVISION OF LAND OAK HILL ROAD (SOUTH) BARRINGTON, NH FOR EDWARD J.-LEMONS 1995 TRUST. DATED: JANUARY 2006 BY: NORWAY PLAINS ASSOCIATES INC. S.C.R.D. PLAN #85-18
8. NHDOT PLAN OF NH ROUTE 125 RE-CONSTRUCTION. PROJECT F 019-(NH) SHEET 7 OF 9. ON FILE WITH NHDOT
9. NHDOT PLAN OF NH ROUTE 9 RE-CONSTRUCTION. PROJECT 210-E SHEET 2 OF 8 ON FILE WITH NHDOT
10. PROPERTY OF SUMNER HAYES, BARRINGTON NH. BY: TW CHISLEY ON FILE AT THIS OFFICE
11. LOCATION SKETCH DAVID HENDERSON BY: F.E. DREW ON FILE AT THIS OFFICE
12. LOT LINE ADJUSTMENT, SUBDIVISION PLAN CHRISTMAS DOVE, NH ROUTE 9, FRANKLIN PIERCE HIGHWAY, BARRINGTON, STRAFFORD COUNTY, PREPARED FOR JOHN & LINDA SVENSON & 1962 REAL ESTATE, LLC DATED: MARCH 2015 BY: NORWAY PLAINS ASSOCIATES, INC. ON FILE AT THIS OFFICE
13. LOT LINE ADJUSTMENT, SUBDIVISION PLAN CHRISTMAS DOVE, NH ROUTE 9, FRANKLIN PIERCE HIGHWAY, BARRINGTON, STRAFFORD COUNTY, PREPARED FOR JOHN & LINDA SVENSON & 1962 REAL ESTATE, LLC DATED: AUGUST 2017 BY: BERRY SURVEYING & ENGINEERING ON FILE AT THIS OFFICE

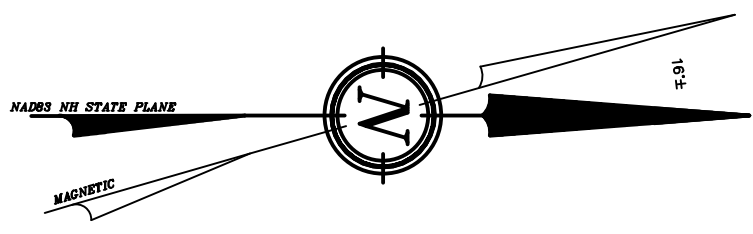
N/F SARAH AND PETER WARD
643 FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
S.C.R.D. BOOK 3521, PAGE 922
TAX MAP 239, LOT 1
SEE PLAN REFERENCE #5
LOT AREA: 262,666.80 Sq. Ft., 6.03 Ac.

REVISION	DATE	DESCRIPTION
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

EXISTING CONDITIONS PLAN
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SVENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 80 FT.
DATE: AUGUST 13, 2018
FILE NO.: DB 2018 - 005

I, KENNETH A. BERRY, LLS 805, SIGNATURE



GRAPHIC SCALE



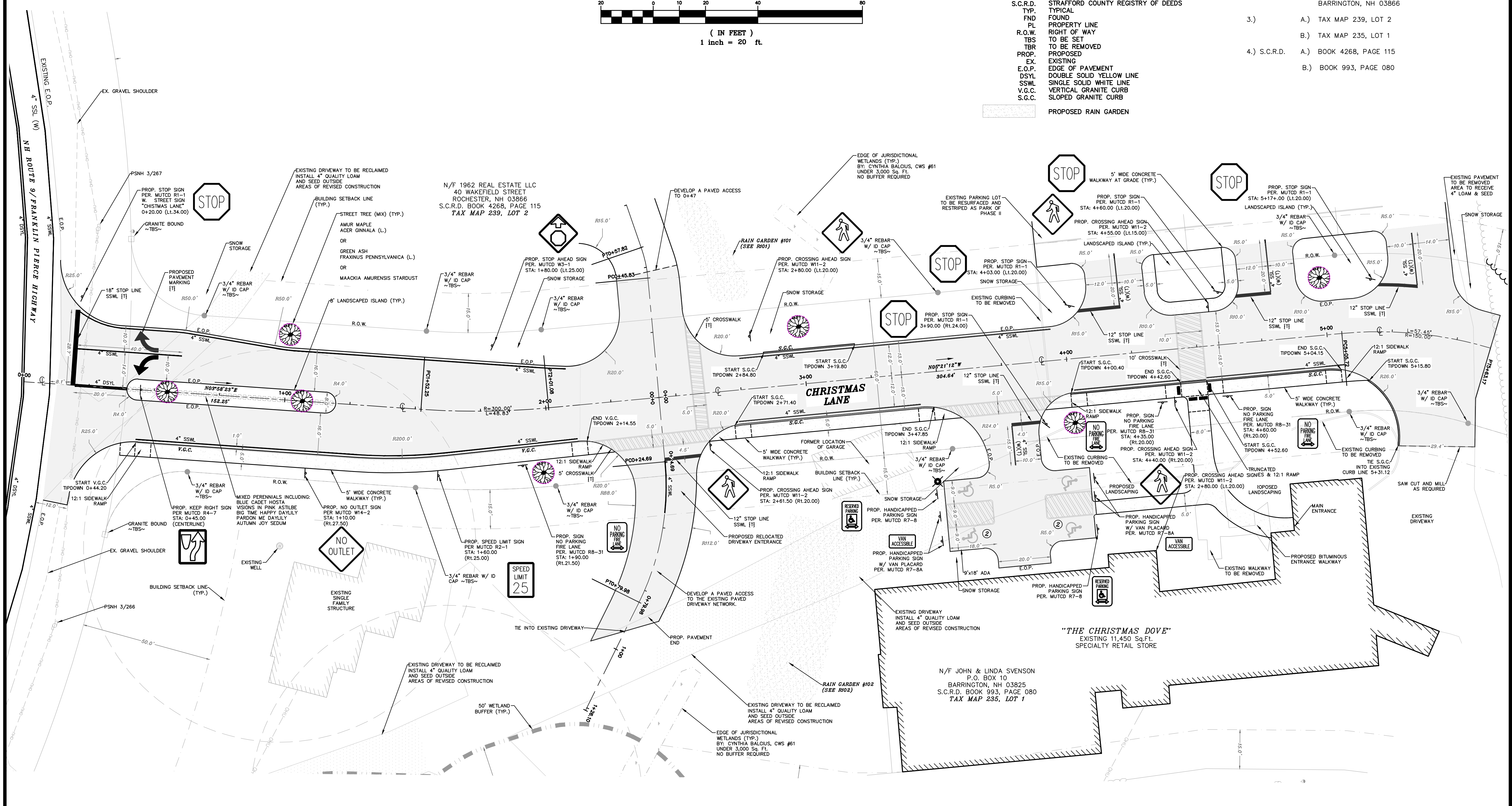
(IN FEET)
1 inch = 20 ft.

LEGEND:

- IRON BOUND (TBS)
- GRANITE TOUND (TBS)
- UTILITY POLE/GUY WIRE
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- BUILDING SETBACK LINE
- OVERHEAD UTILITIES LINE
- PROJECT LIMITS
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- TYP. FOUND
- FND PROPERTY LINE
- PL RIGHT OF WAY
- R.O.W. TO BE SET
- TBS TO BE REMOVED
- TBR PROPOSED
- EX. EXISTING
- E.O.P. EDGE OF PAVEMENT
- DS.VL DOUBLE SOLID YELLOW LINE
- SSWL SINGLE SOLID WHITE LINE
- V.G.C. VERTICAL GRANITE CURB
- S.G.C. SLOPED GRANITE CURB
- PROPOSED RAIN GARDEN

NOTES:

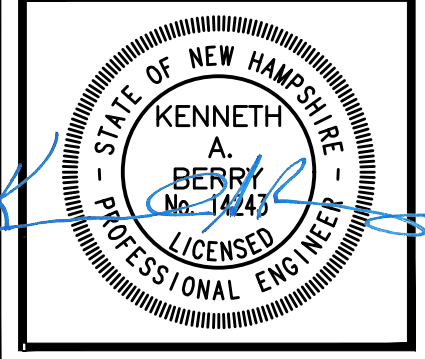
- 1.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE SITE PLAN ROAD DESIGN OF CHRISTMAS LANE.
- 2.) OWNER: A.) 1962 REAL ESTATE LLC
40 WAKEFIELD STREET
ROCHESTER, NH 03866
B.) JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03866
- 3.) A.) TAX MAP 239, LOT 2
B.) TAX MAP 235, LOT 1
- 4.) S.C.R.D. A.) BOOK 4268, PAGE 115
B.) BOOK 993, PAGE 080



#1	REVISION	DATE	DESCRIPTION
		9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

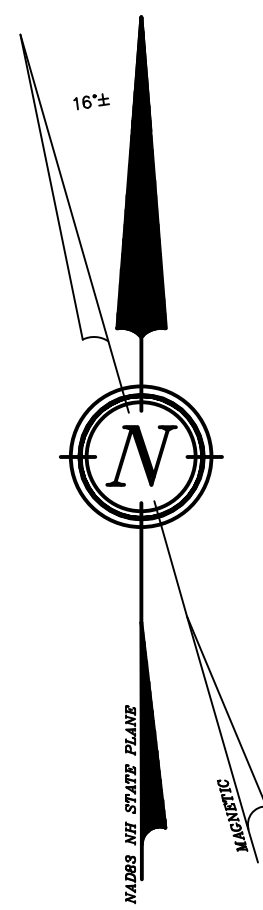
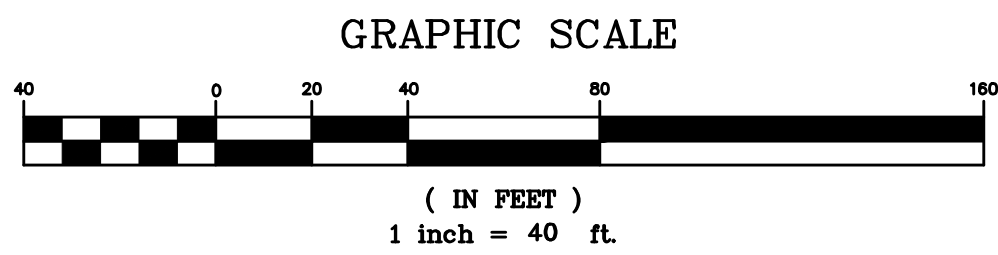
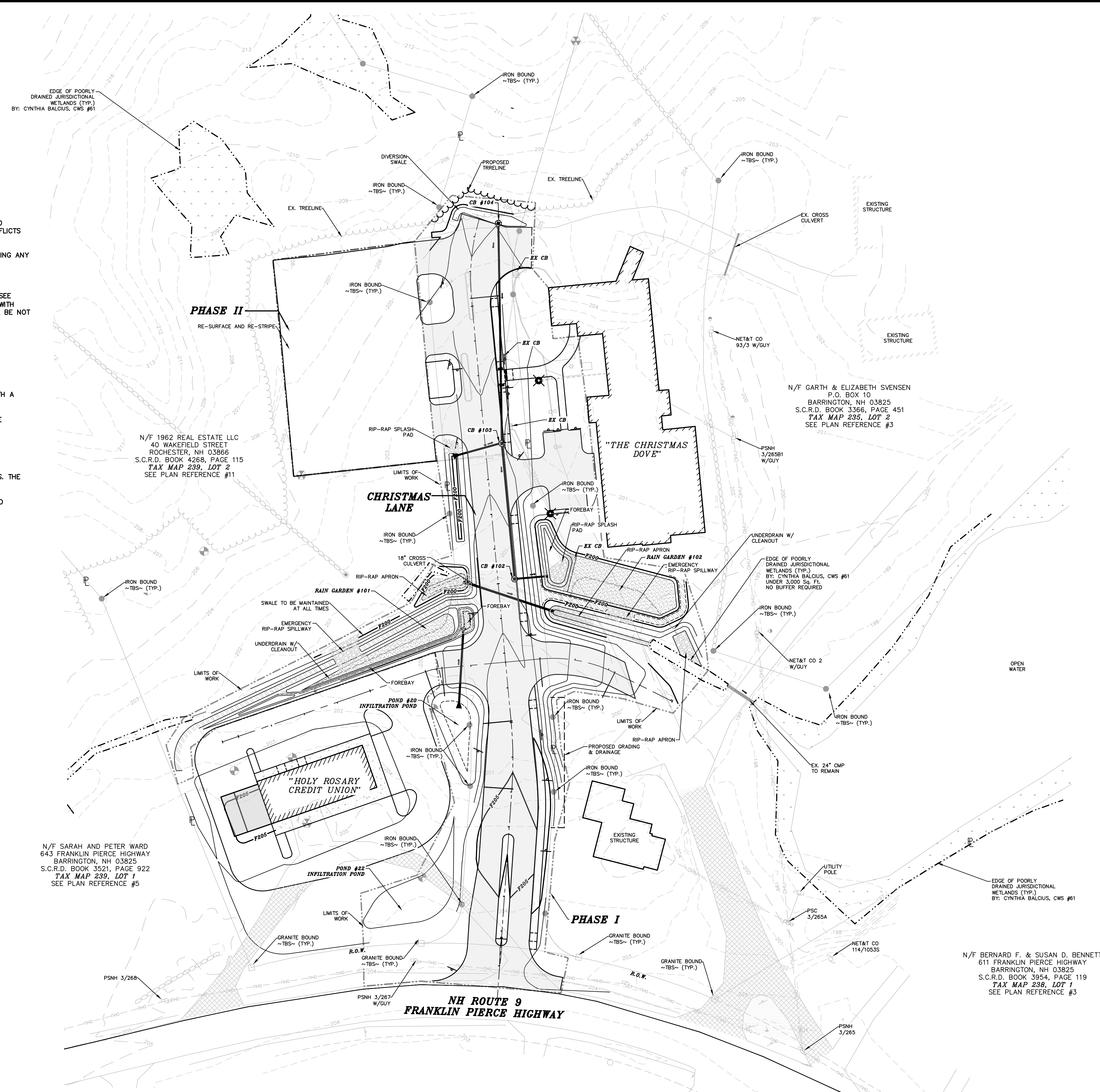
CHRISTMAS LANE LAYOUT 0+00 - 5+00
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SVENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : AUGUST 13, 2018
FILE NO. : DB 2018 - 005



NOTES:

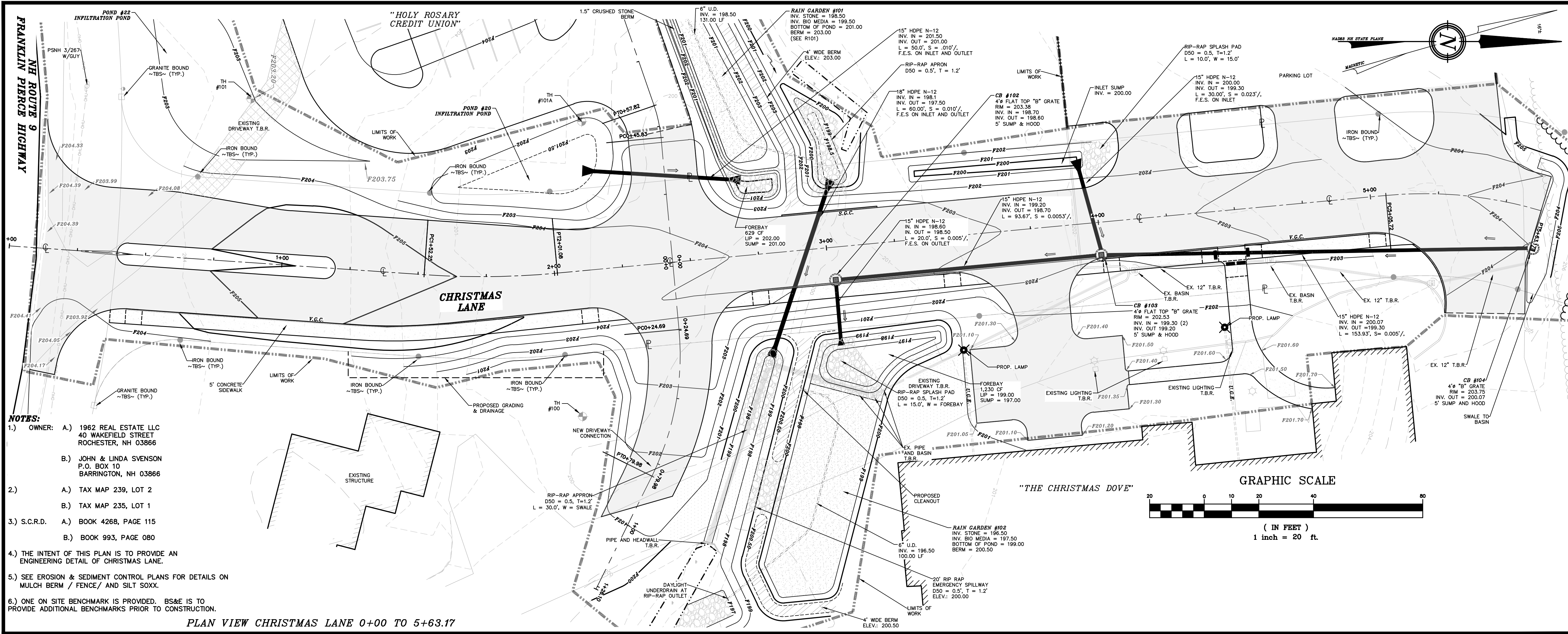
- 1.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE GRADING AND DRAINAGE PLAN DESIGN OF THE CHRISTMAS DOVE PARKING LOT AND CHRISTMAS LANE.
- 2.) OWNER: A.) 1962 REAL ESTATE LLC
40 WAKEFIELD STREET
ROCHESTER, NH 03866
B.) JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03866
- 3.) A.) TAX MAP 239, LOT 2
B.) TAX MAP 235, LOT 1
- 4.) S.C.R.D. A.) BOOK 4268, PAGE 115
B.) BOOK 993, PAGE 080
- 5.) 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.
- 6.) 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.
- 7.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
- 8.) ALL CATCH BASINS SHALL BE PRE-CAST H-20 LOADING AND SHALL BE EQUIPPED WITH DEEP SUMPS (4' MIN.) AND HOODS (SEE DETAILS) HOODS ARE TO BE "THE ELIMINATOR" BY KLEANSTREAM. RIMS ARE TO BE REXUS STYLE AND SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE INSTRUCTED DURING CONSTRUCTION BY DESIGN ENGINEER. RIMS ABOVE FINISH GRADE WILL BE NOT BE ACCEPTED. ALL RIMS, GRATES AND COVERS ARE TO BE U.S.A MADE.
- 9.) SEE SEDIMENT & EROSION CONTROL PLAN FOR INLET PROTECTION AND CONTROLS FOR THE ENTIRE SITE
- 10.) ALL DRAINAGE PIPE IS TO BE HDPE N-12 ASTM F2648. (GREEN PIPE) INDIVIDUAL PIPE SIZES ARE SPECIFIED
- 11.) 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.
- 12.) NOTE THAT THE PROJECT IS SUBJECT TO THE EPA NPDES PHASE II. THE NOTICE OF INTENT (NOI) MUST BE FILED ALONG WITH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). WEEKLY INSPECTIONS WILL BE CONDUCTED BY THE DESIGN ENGINEER.
- 13.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
- 14.) ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED
- 15.) ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS
- 16.) 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"
- 19.) THE RE-USE OF EXISTING BASIN STRUCTURES, CONES AND RIMS WILL BE EVALUATED ON SITE WITH THE DESIGN ENGINEER AND CONTRACTOR.



REVISION	DATE	DESCRIPTION
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

GRADING AND DRAINAGE OVERVIEW PLAN
 LAND OF
 1962 REAL ESTATE LLC &
 JOHN & LINDA SVENSON
 FRANKLIN PIERCE HIGHWAY
 BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

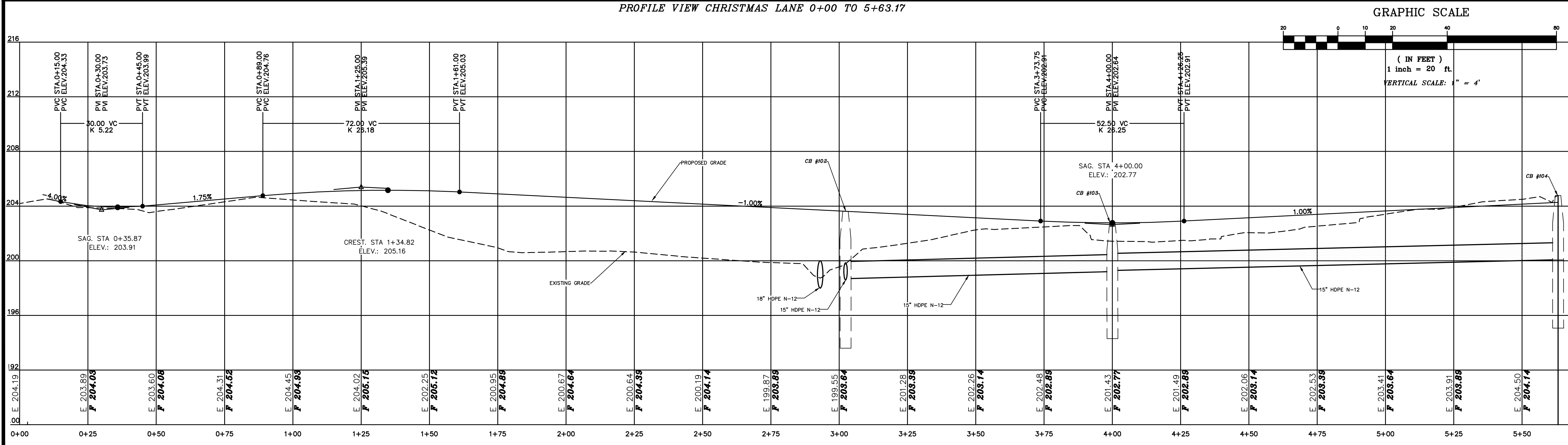
BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 40 FT.
 DATE : AUGUST 13, 2018
 FILE NO. : DB 2018 - 005



- NOTES:**
- OWNER:
 - 1962 REAL ESTATE LLC
40 WAKEFIELD STREET
ROCHESTER, NH 03866
 - JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03866
 - TAX MAP 239, LOT 2
 - TAX MAP 235, LOT 1
 - S.C.R.D.
 - BOOK 4268, PAGE 115
 - BOOK 993, PAGE 080
 - THE INTENT OF THIS PLAN IS TO PROVIDE AN ENGINEERING DETAIL OF CHRISTMAS LANE.
 - SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON MULCH BERM / FENCE / AND SILT SOXX.
 - ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

PLAN VIEW CHRISTMAS LANE 0+00 TO 5+63.17

PROFILE VIEW CHRISTMAS LANE 0+00 TO 5+63.17

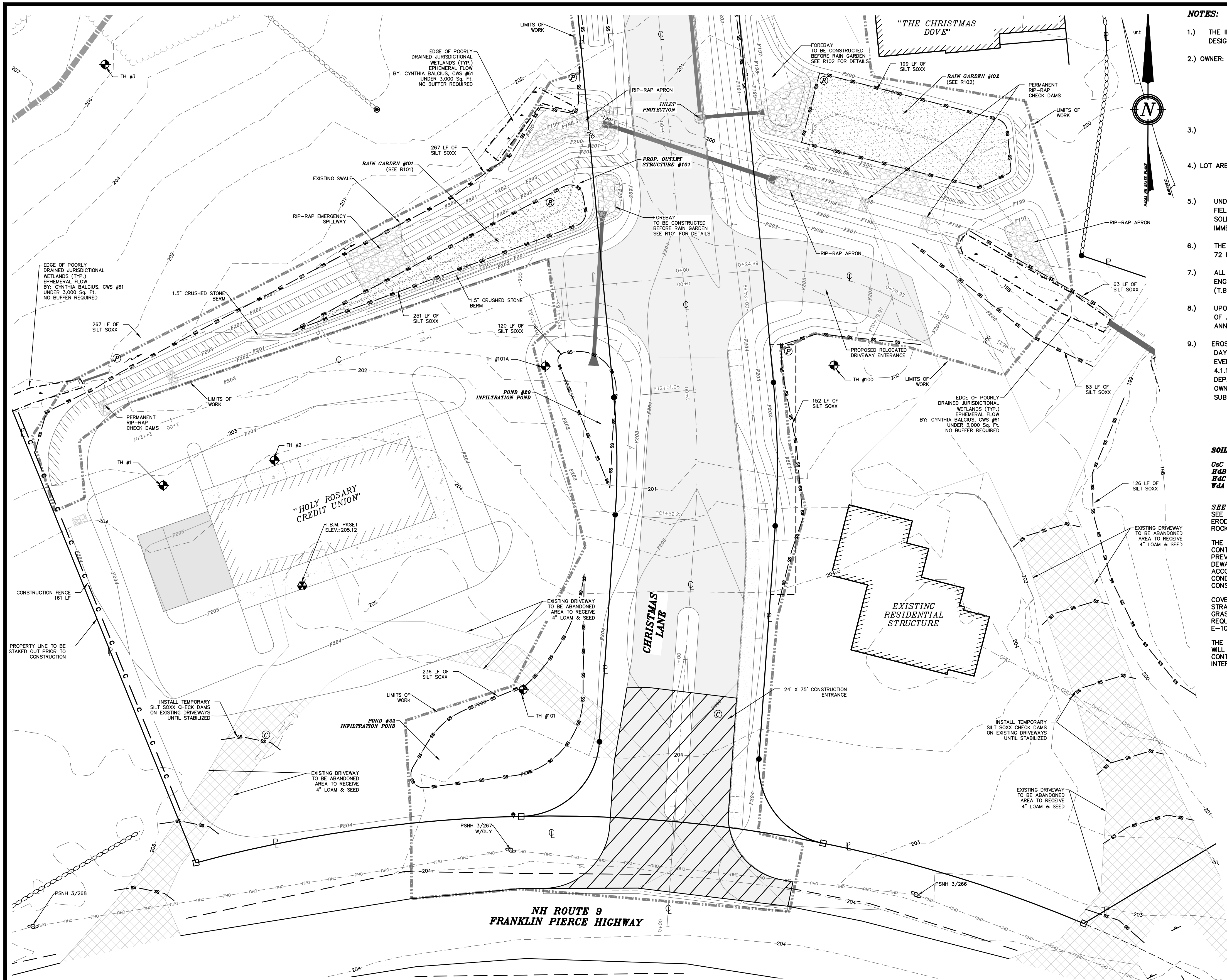


GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'

#1	REVISION	DATE	DESCRIPTION
	9-6-18		REVISED PER DBK COMMENTS OF 9-5-18

GRADING AND DRAINAGE CHRISTMAS LANE 0+00 TO 5+50
 LAND OF
 1962 REAL ESTATE LLC &
 JOHN & LINDA SVENSON
 FRANKLIN PIERCE HIGHWAY
 BARRINGTON, NH 03825
 TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 20 FT.
 DATE : AUGUST 13, 2018
 FILE NO. : DB 2018 - 005



NOTES:

- 1.) THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE EROSION AND SEDIMENT CONTROL DESIGN OF THE SITE AT CHRISTMAS LANE.
- 2.) OWNER:
 - A.) 1962 REAL ESTATE LLC
40 WAKEFIELD STREET
ROCHESTER, NH 03866
 - B.) JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03825
- 3.)
 - A.) TAX MAP 239, LOT 2
 - B.) TAX MAP 235, LOT 1
- 4.) LOT AREA:
 - A.) 114,280 Sq. Ft., 2.62 Ac.
 - B.) 706,280 Sq. Ft., 16.21 Ac.
- 5.) 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.
- 6.) 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.
- 7.) 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.
- 8.) UPON FINAL COMPLETION AND 85% STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PERFORMED ON ALL DRAINAGE PRACTICES.
- 9.) EROSION AND SEDIMENT CONTROL INSPECTIONS TO BE CONDUCTED ONCE PER EVERY SEVEN DAYS AND AT AN INCREASED FREQUENCY INCLUDING WITHIN 24-HOURS OF A 0.25 INCH RAIN EVENT. INSPECTIONS TO BE CONDUCTED BY A "QUALIFIED PERSON" AS DEFINED BY EPA COP 4.1.1 AND INSPECTION REPORTS SUBMITTED TO THE TOWN OF BARRINGTON, NH, ENGINEERING DEPARTMENT WITHIN 24 HOURS IN ACCORDANCE WITH CGP 4.1.7 AND MAINTAINED BY THE OWNER FOR A PERIOD OF THREE YEARS AFTER THE NOTICE OF TERMINATION (NOT) IS SUBMITTED.

SOILS & DEWATERING:

CsC	CLOUCESTER	FINE SANDY LOAM	K= 0.17
HdB	HOLLIS	FINE SANDY LOAM	K= 0.20
HdC	DEERFIELD	LOAMY SAND	K= 0.17
WdA	WINDSOR	LOAMY SAND	K= 0.17

SEE SITE SPECIFIC SOILS MAP (SSSM)

SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVIROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES

THE SOIL ERODIBILITY FACTOR (K) OF THE SOILS VARIES SLIGHTLY FROM .017 TO .020. CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE CLARIFICATION OF SECTION 91.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP) DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIEST OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES.

LEGEND:

- (R) RAIN GARDEN BIO-MEDIA PROTECTION
- (P) PERIMETER CONTROL
- (C) RESIDENTIAL/ROADWAY CONSTRUCTION
- (FND) IRON PIPE (FND)
- (FND) IRON BOUND (FND)
- (FND) REBAR (FND)
- (FND) UTILITY POLE
- (FND) GUY WIRE
- (W) WELL
- (B) BENCHMARK
- (T) CONIFEROUS TREE
- (D) DECIDUOUS TREE
- SS SILT FENCE
- SS FILTREXX SILT SOXX
- SF TREE LINE
- CsB NRCS SOIL DELINEATION
- SOIL TYPE

GRAPHIC SCALE

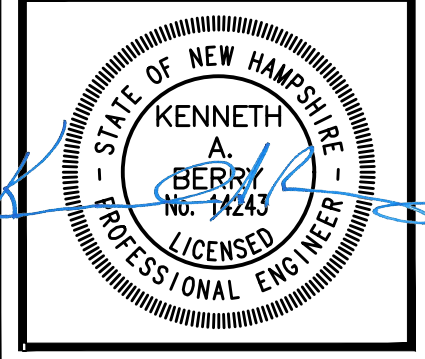


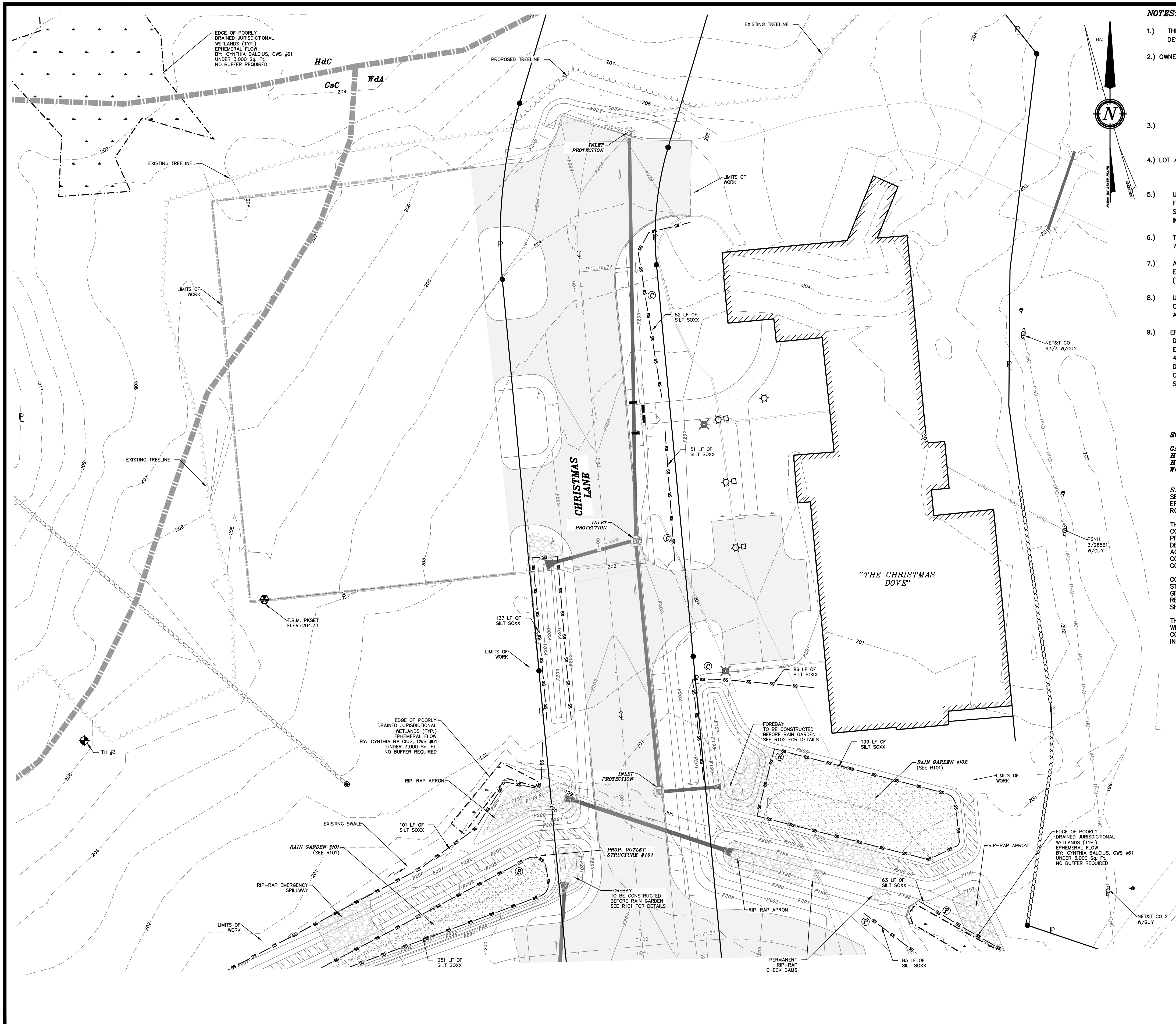
(IN FEET)
1 inch = 20 ft.

#	REVISION	DATE	DESCRIPTION
1	9-6-18		REVISED PER DBK COMMENTS OF 9-5-18

EROSION AND SEDIMENT CONTROL PLAN HRCU
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SVENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : AUGUST 13, 2018
FILE NO. : DB 2018 - 005





NOTES:

- 1.) THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE EROSION AND SEDIMENT CONTROL DESIGN OF THE SITE AT CHRISTMAS LANE.
- 2.) OWNER:
 - A.) 1962 REAL ESTATE LLC
40 WAKEFIELD STREET
ROCHESTER, NH 03866
 - B.) JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03825
- 3.)
 - A.) TAX MAP 239, LOT 2
 - B.) TAX MAP 235, LOT 1
- 4.) LOT AREA:
 - A.) 114,280 Sq. Ft., 2.62 Ac.
 - B.) 706,280 Sq. Ft., 16.21 Ac.
- 5.) 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.
- 6.) 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.
- 7.) 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.
- 8.) UPON FINAL COMPLETION AND 85% STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PERFORMED ON ALL DRAINAGE PRACTICES.
- 9.) EROSION AND SEDIMENT CONTROL INSPECTIONS TO BE CONDUCTED ONCE PER EVERY SEVEN DAYS AND AT AN INCREASED FREQUENCY INCLUDING WITHIN 24-HOURS OF A 0.25 INCH RAIN EVENT. INSPECTIONS TO BE CONDUCTED BY A "QUALIFIED PERSON" AS DEFINED BY EPA COP 4.1.1 AND INSPECTION REPORTS SUBMITTED TO THE TOWN OF BARRINGTON, NH, ENGINEERING DEPARTMENT WITHIN 24 HOURS IN ACCORDANCE WITH CGP 4.1.7 AND MAINTAINED BY THE OWNER FOR A PERIOD OF THREE YEARS AFTER THE NOTICE OF TERMINATION (NOT) IS SUBMITTED.

SOILS & DEWATERING:

CsC	CLUCESTER	FINE SANDY LOAM	K= 0.17
HdB	HOLLIS	FINE SANDY LOAM	K= 0.20
HdC	DEERFIELD	LOAMY SAND	K= 0.17
WdA	WINDSOR	LOAMY SAND	K= 0.17

SEE SITE SPECIFIC SOILS MAP (SSSM)

SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVIROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES

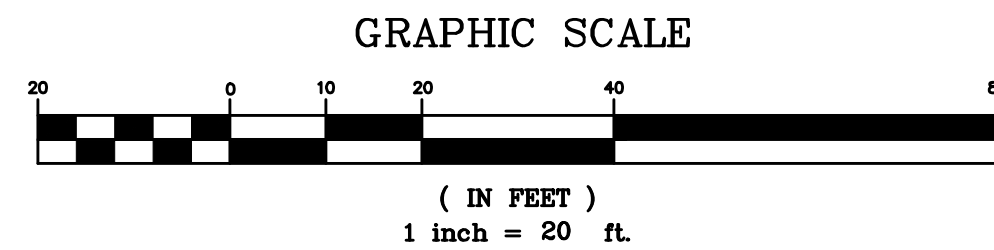
THE SOIL ERODIBILITY FACTOR (K) OF THE SOILS VARIES SLIGHTLY FROM .017 TO .020. CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE CLARIFICATION OF SECTION 91.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP) DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIEST OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES.

LEGEND:

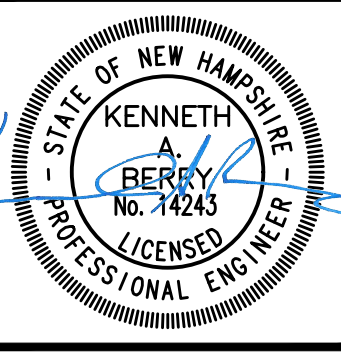
- (R) RAIN GARDEN BIO-MEDIA PROTECTION
- (P) PERIMETER CONTROL
- (C) RESIDENTIAL/ROADWAY CONSTRUCTION
- (FND) IRON PIPE (FND)
- (FND) IRON BOUND (FND)
- (FND) REBAR (FND)
- (FND) UTILITY POLE
- (FND) GUY WIRE
- (W) WELL
- (B) BENCHMARK
- (C) CONIFEROUS TREE
- (D) DECIDUOUS TREE
- SS SILT FENCE
- SS SF SILT FENCE WITH SILT SOXK
- SS SF TREE LINE
- CsB NRCS SOIL DELINEATION
- SOIL TYPE



#	REVISION	DATE	DESCRIPTION
1	9-6-18		REVISED PER DBK COMMENTS OF 9-5-18

EROSION AND SEDIMENT CONTROL PLAN CHRISTMAS DOVE
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SVENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : AUGUST 13, 2018
FILE NO. : DB 2018 - 005



FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
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

CRUSHED STONE BEDDING *	
SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90 - 100
3/8"	20 - 55
# 4	0 - 10
# 8	0 - 5

CRUSHED STONE BEDDING *	
SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	90 - 100
#4"	20 - 55
# 8	5 - 30
# 16	0 - 10
# 50	0 - 5

* EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

* EQUIVALENT TO STANDARD STONE SIZE #89 - 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 FILTER MEDIA SHALL BE AS SHOWN ABOVE.
- 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.
- BUILD RAIN GARDENS FIRST TO DIRECT SITE RUN OFF TO THEM.

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 WARRANTED BY SUCH INSPECTION.

& PRE-TREATMENT 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 DROWDOWN 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.

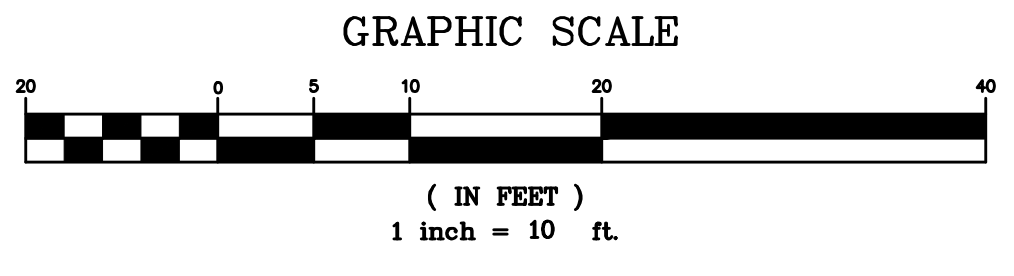
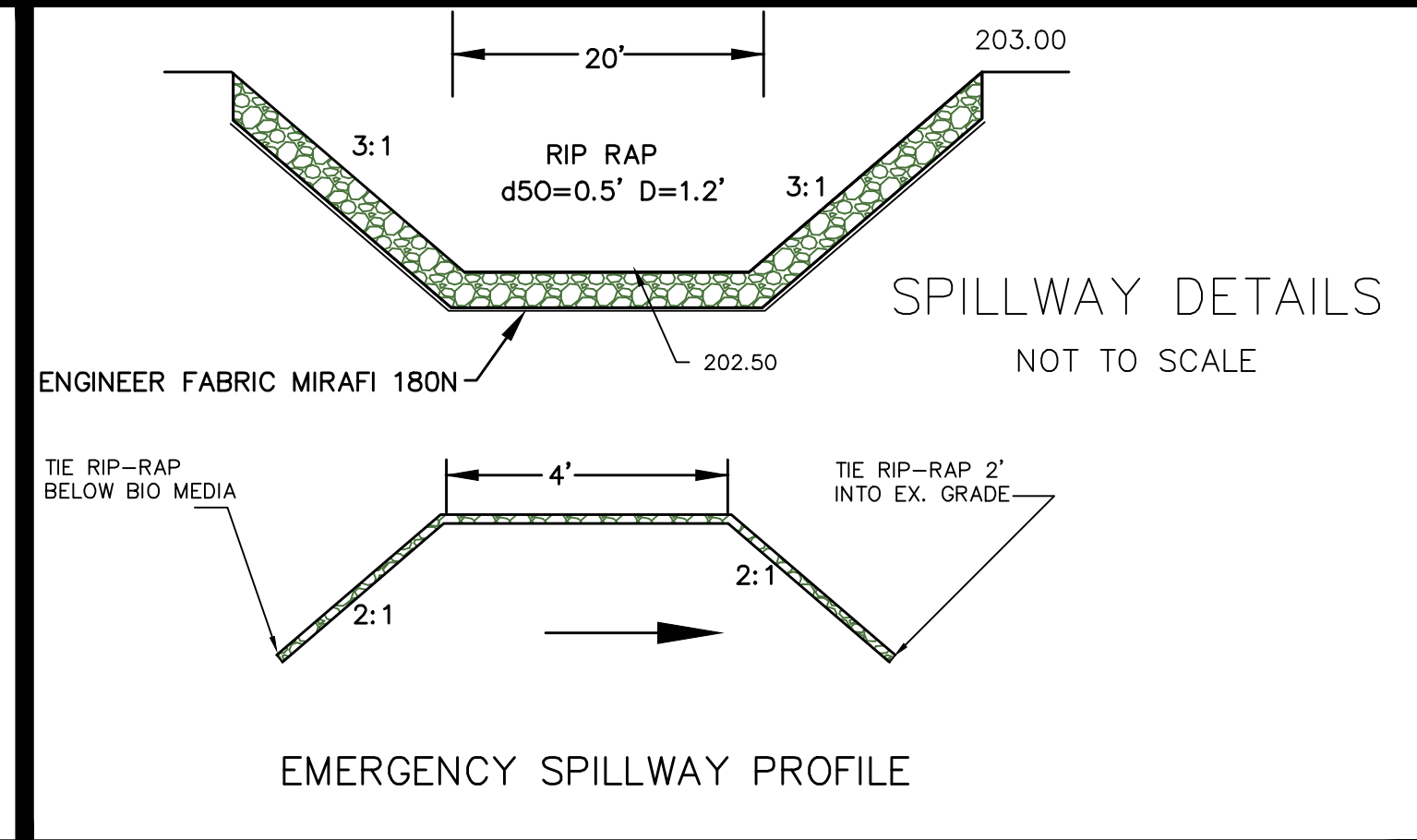
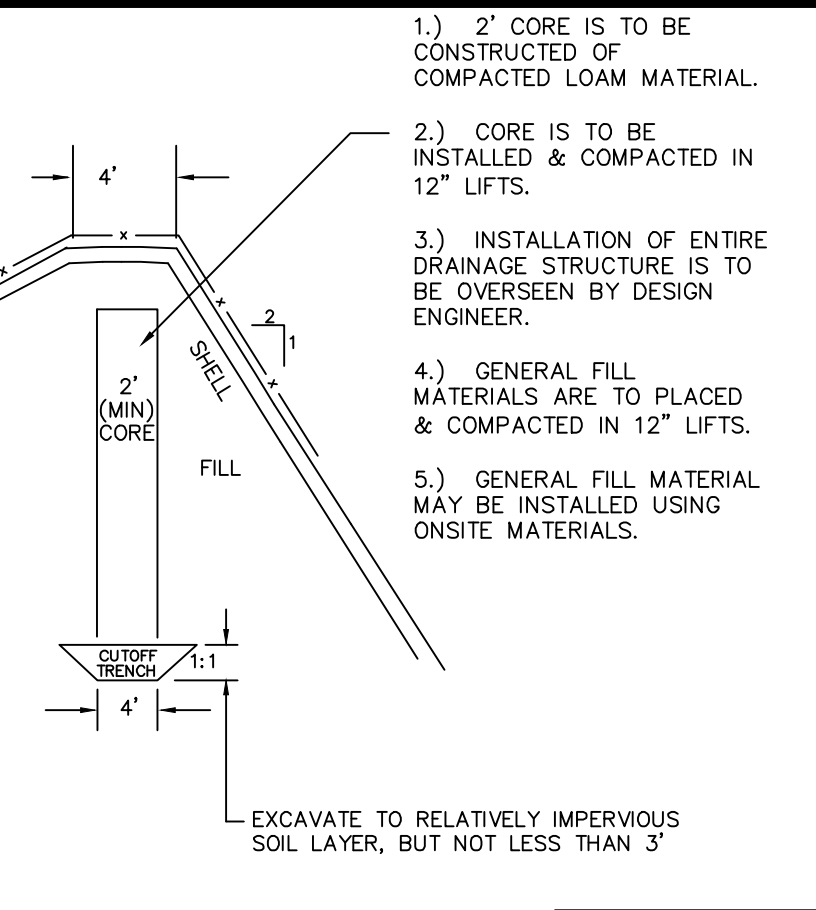
(VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

DESIGN REFERENCES

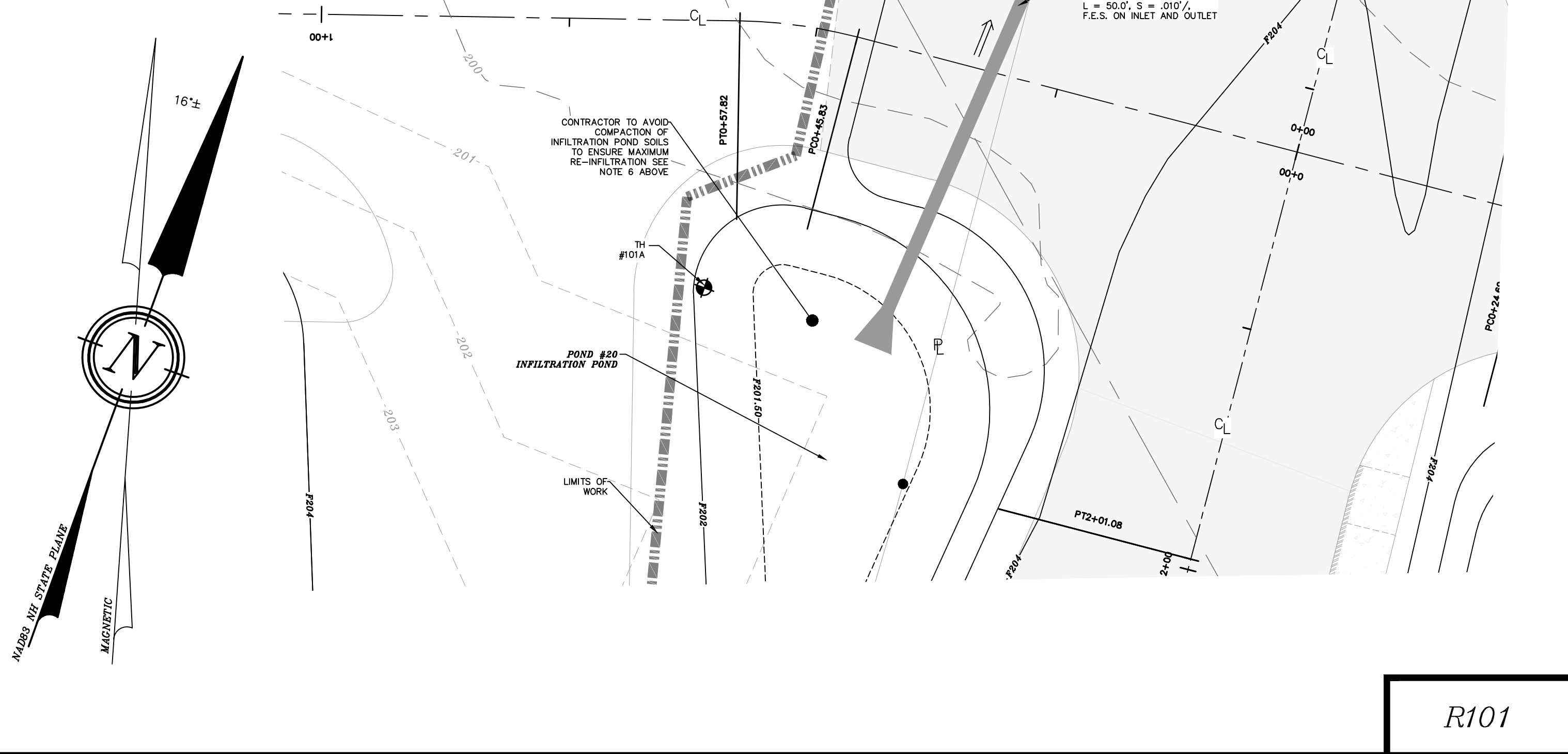
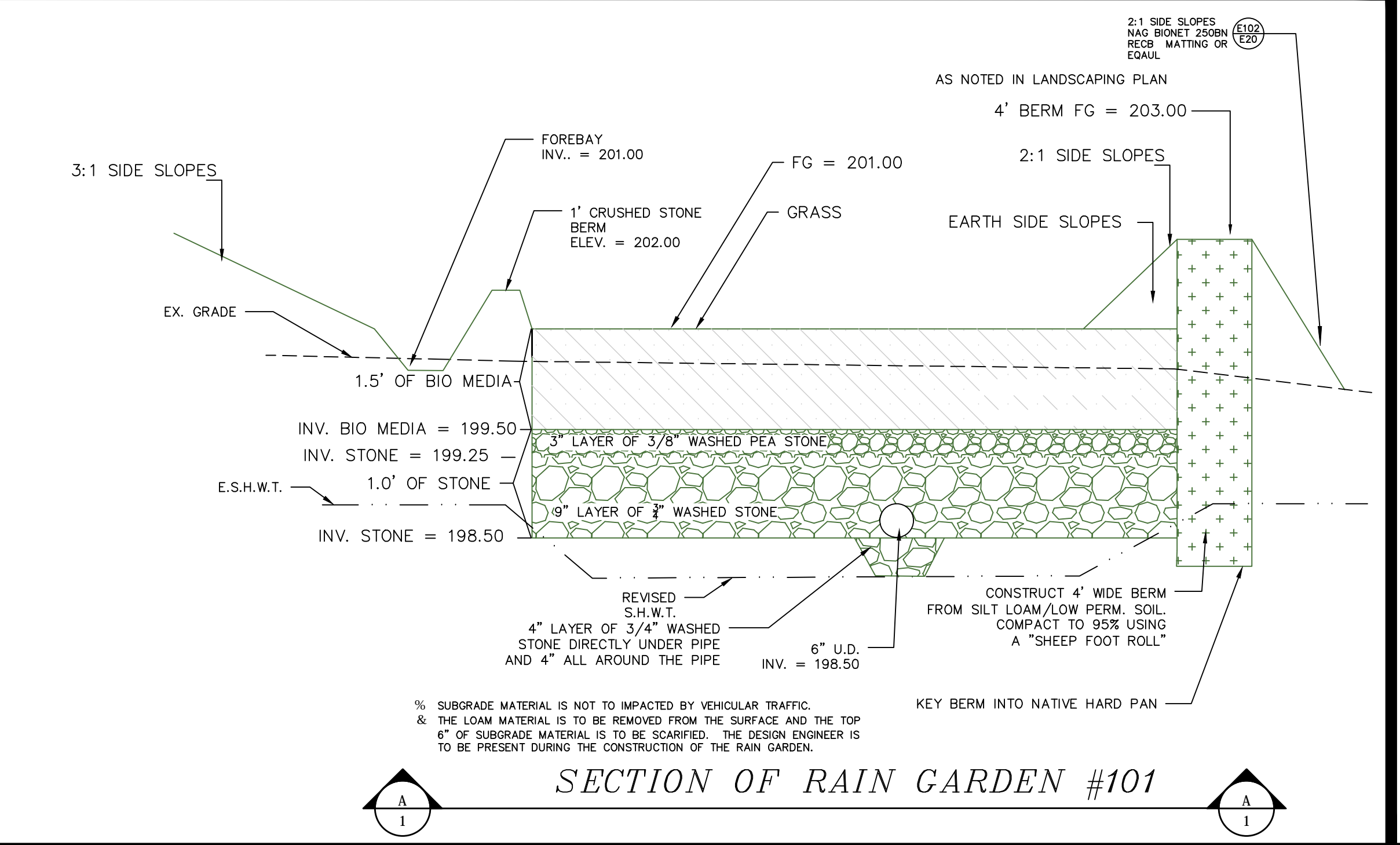
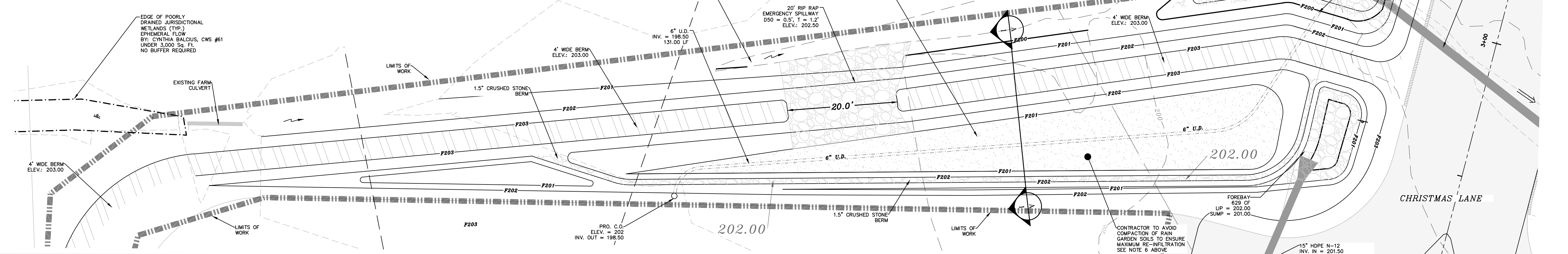
% UNH STORMWATER CENTER
 & NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

LOW PERMEABILITY MATERIAL GRADATION

SIEVE SIZE	% PASSING BY WEIGHT
#4	95 - 100
#40	60 - 95
#100	40 - 60
#200	25 - 45



PLAN VIEW RAIN GARDEN #101



REVISION	DATE	DESCRIPTION
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

RAIN GARDEN #101 DETAILS
 LAND OF
 1962 REAL ESTATE LLC &
 JOHN & LINDA SVENSON
 FRANKLIN PIERCE HIGHWAY
 BARRINGTON, NH 03825
TAX MAP 289 LOT 2 & MAP 285 LOT 1

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. = EQUALS 10 FT.
 DATE : AUGUST 13, 2018
 FILE NO. : DB 2018 - 005

KENNETH A. BERRY
 No. 12423
 LICENSED PROFESSIONAL ENGINEER

R101

FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
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

CRUSHED STONE BEDDING *		CRUSHED STONE BEDDING *	
SIEVE SIZE	% PASSING BY WEIGHT	SIEVE SIZE	% PASSING BY WEIGHT
1"	100	1/2"	100
3/4"	90 - 100	3/8"	90 - 100
3/8"	20 - 55	#4	20 - 55
#4	0 - 10	#8	5 - 30
#8	0 - 5	#16	0 - 10
		#50	0 - 5

* EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

* EQUIVALENT TO STANDARD STONE SIZE #89 - 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 FILTER MEDIA SHALL BE AS SHOWN ABOVE.
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- 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.
- BUILD RAIN GARDENS FIRST TO DIRECT SITE RUN OFF TO THEM.

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 WARRANTED BY SUCH INSPECTION.

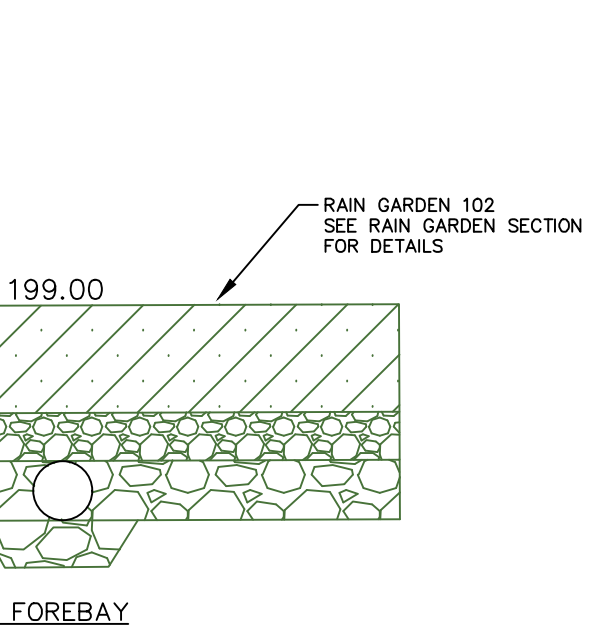
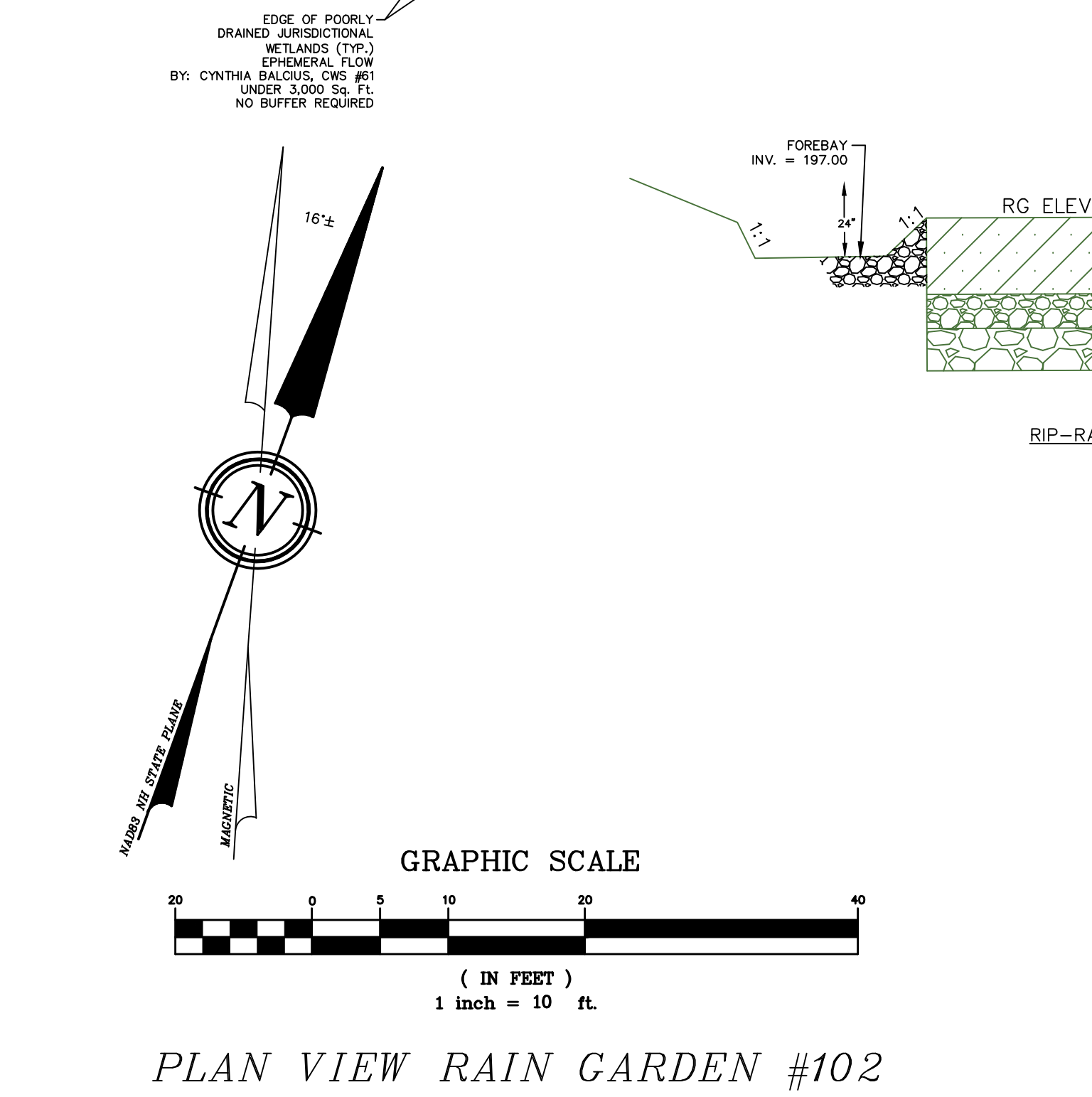
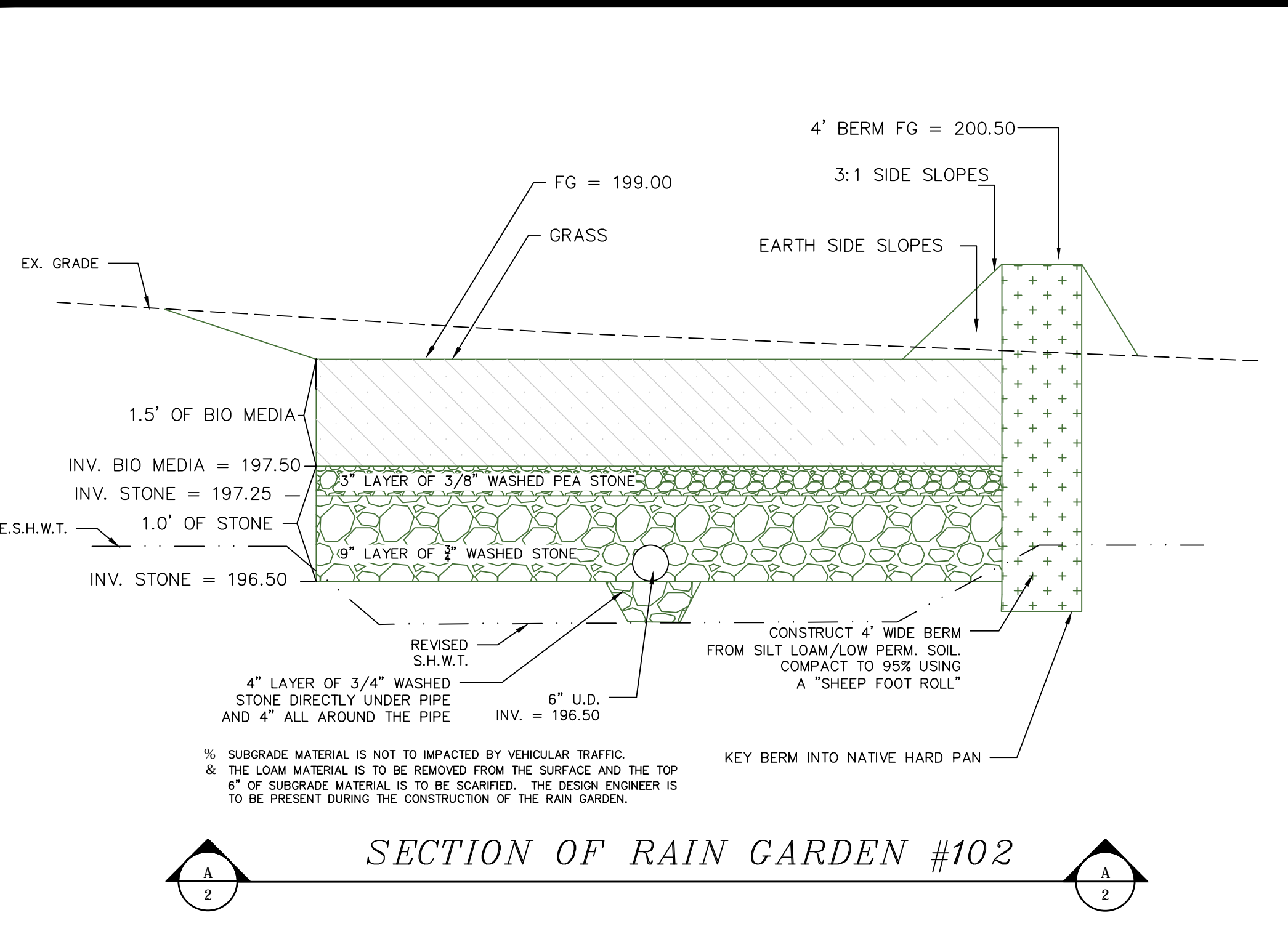
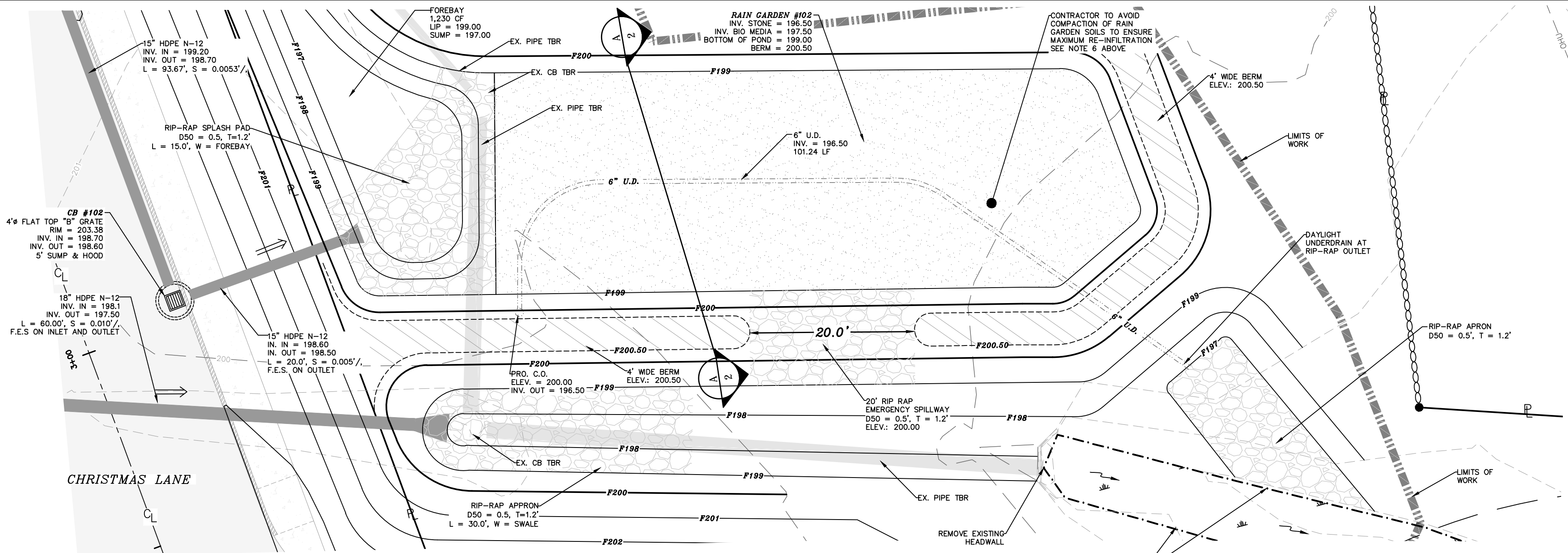
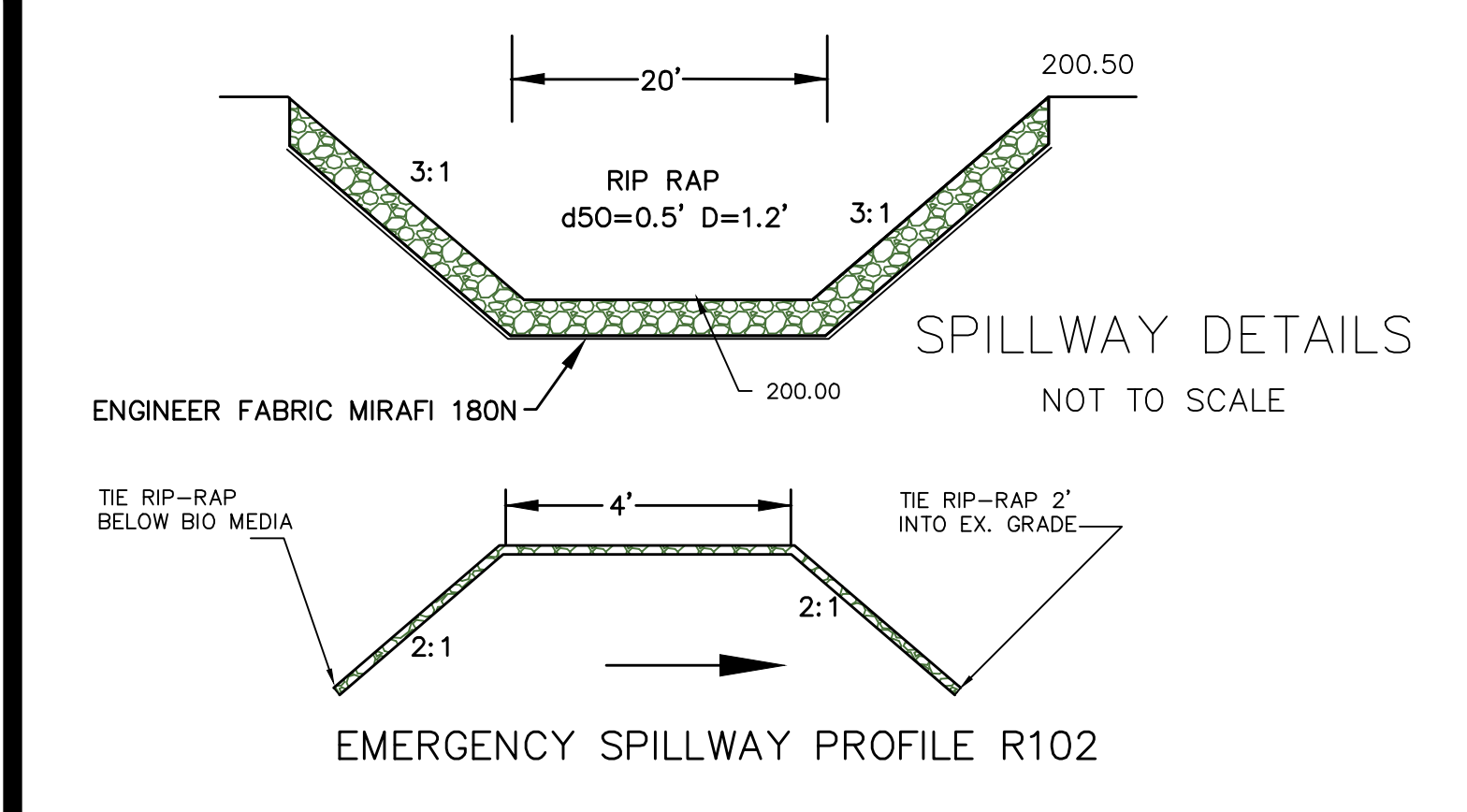
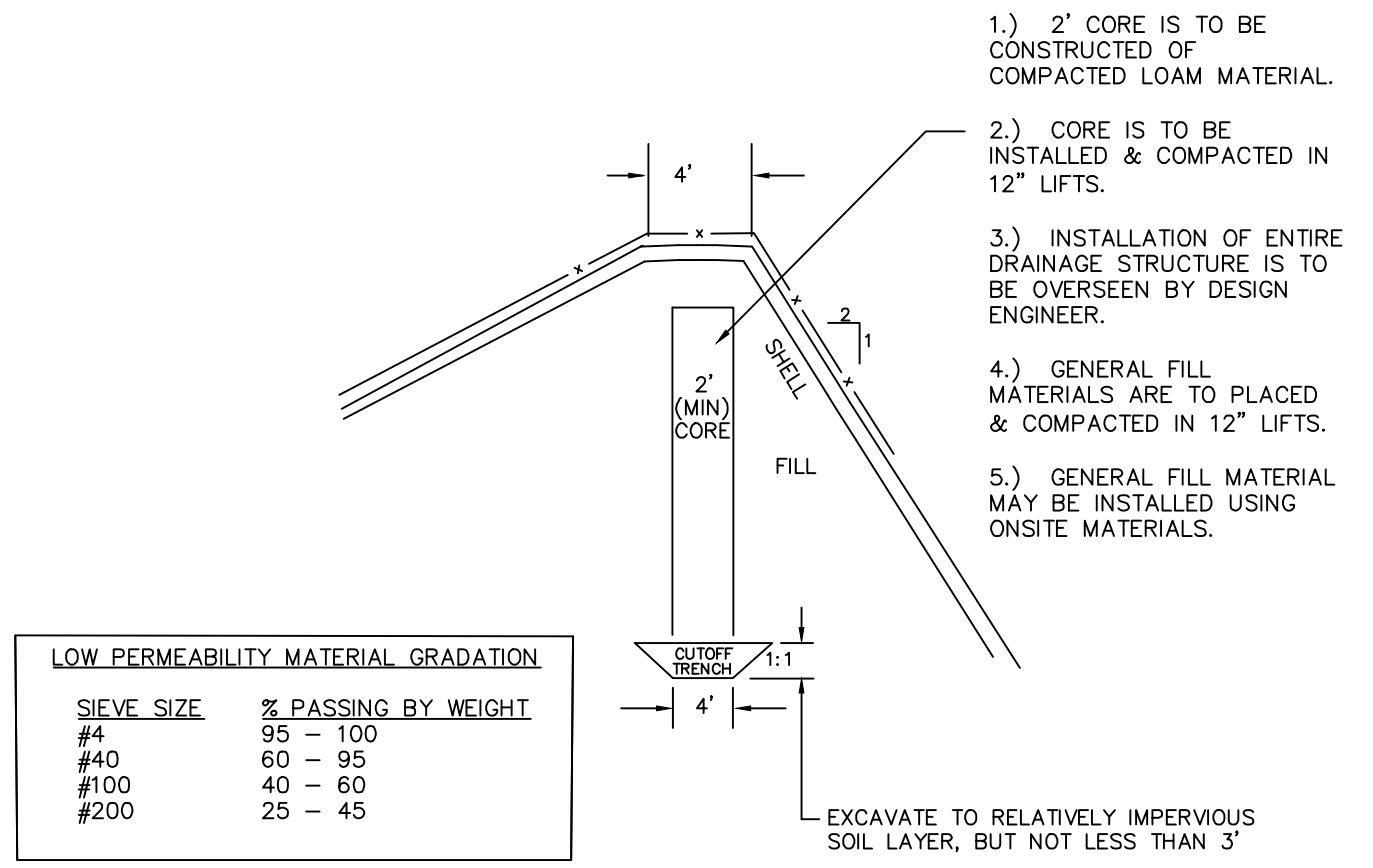
& PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.

AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS AFTER 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.

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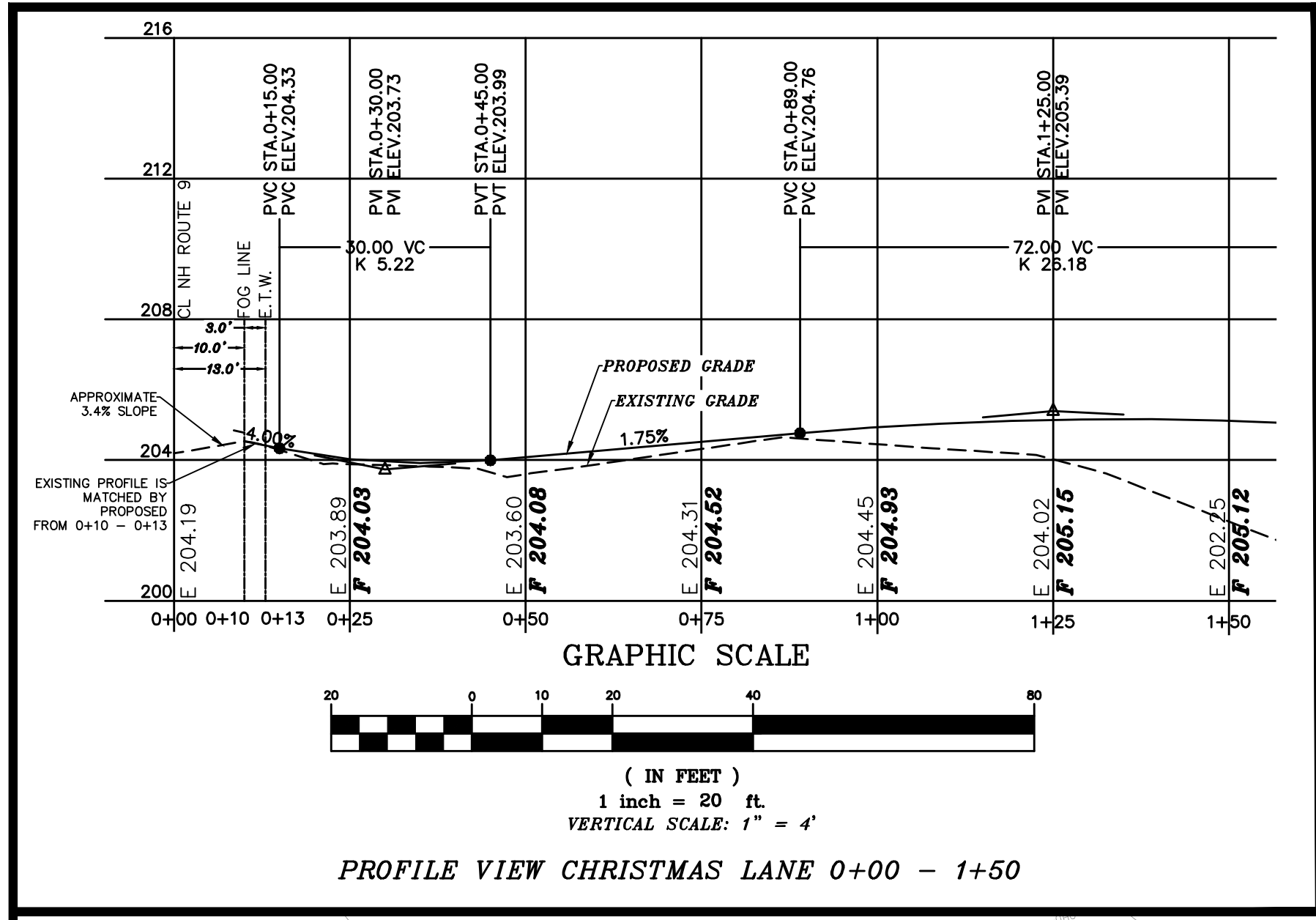
DESIGN REFERENCES

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

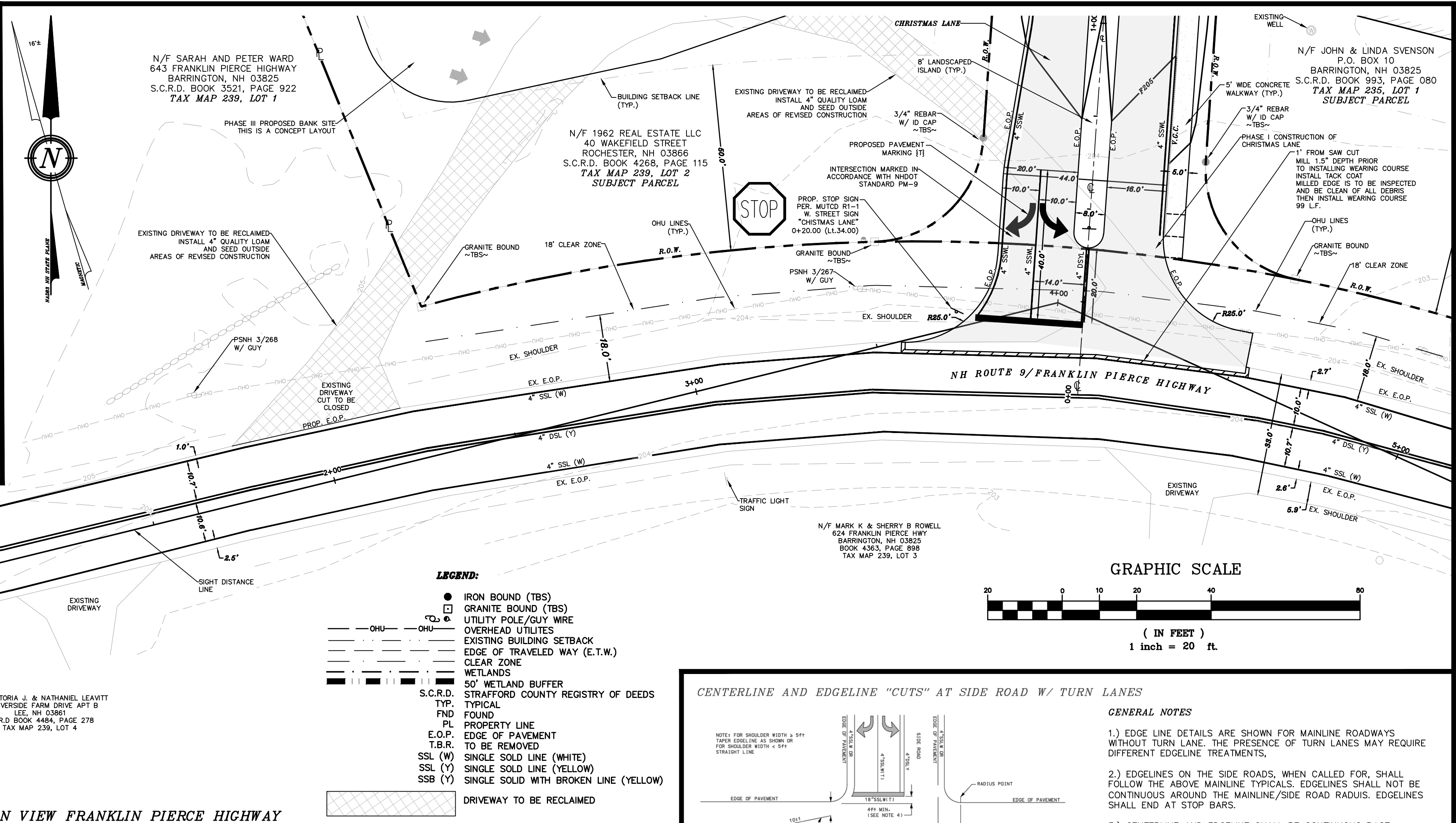


REVISED PER DBK COMMENTS OF 9-5-18	
#1	9-6-18
REVISION	DATE
RAIN GARDEN #102 DETAILS LAND OF 1962 REAL ESTATE LLC & JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, NH 03825 TAX MAP 289 LOT 2 & MAP 285 LOT 1	
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)332-2863 SCALE : 1 IN. EQUALS 10 FT. DATE : AUGUST 13, 2018 FILE NO. : DB 2018 - 005	
STATE OF NEW HAMPSHIRE KENNETH A. BERRY No. 14243 LICENSED PROFESSIONAL ENGINEER	

R102

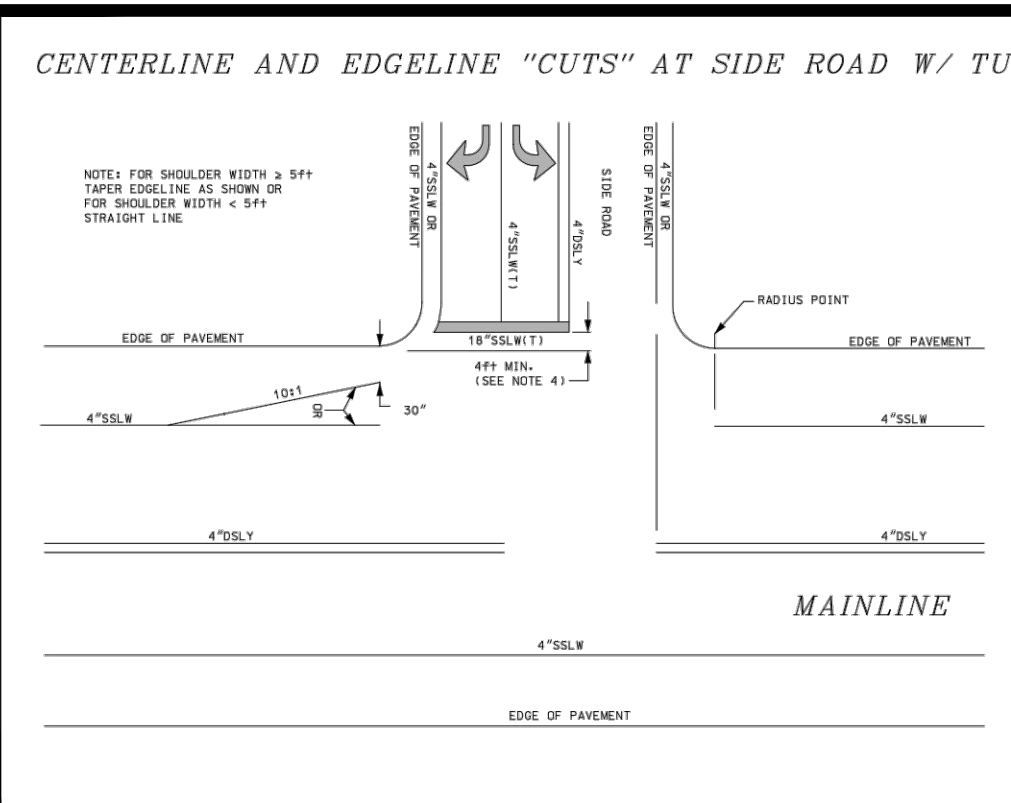


PROFILE VIEW CHRISTMAS LANE 0+00 - 1+50



PLAN VIEW FRANKLIN PIERCE HIGHWAY
PROFILE VIEW SIGHT LINE

- LEGEND:**
- IRON BOUND (TBS)
 - GRANITE BOUND (TBS)
 - UTILITY POLE/GUY WIRE
 - OVERHEAD UTILITIES
 - EXISTING BUILDING SETBACK
 - EDGE OF TRAVELED WAY (E.T.W.)
 - CLEAR ZONE
 - WETLANDS
 - 50' WETLAND BUFFER
 - S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
 - TYP. FOUND
 - PL PROPERTY LINE
 - E.O.P. EDGE OF PAVEMENT
 - T.B.R. TO BE REMOVED
 - SSL (W) SINGLE SOLID LINE (WHITE)
 - SSL (Y) SINGLE SOLID LINE (YELLOW)
 - SSB (Y) SINGLE SOLID WITH BROKEN LINE (YELLOW)
 - DRIVEWAY TO BE RECLAIMED



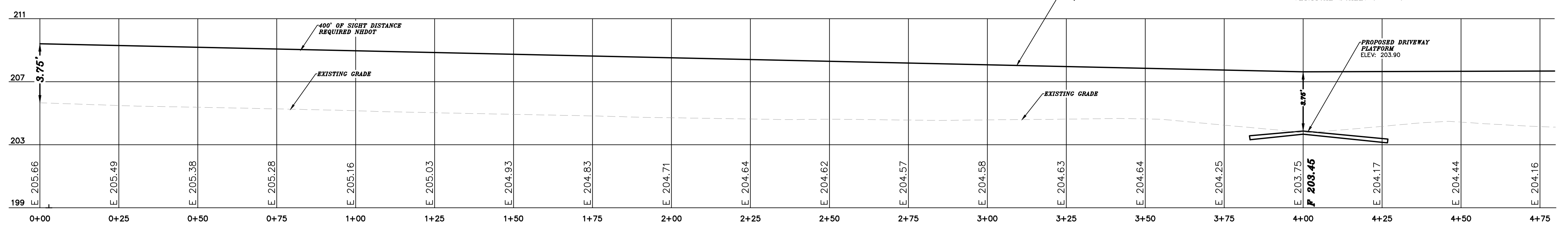
- GENERAL NOTES**
- 1.) EDGE LINE DETAILS ARE SHOWN FOR MAINLINE ROADWAYS WITHOUT TURN LANES. THE PRESENCE OF TURN LANES MAY REQUIRE DIFFERENT EDGE LINE TREATMENTS.
 - 2.) EDGELINES ON THE SIDE ROADS, WHEN CALLED FOR, SHALL FOLLOW THE ABOVE MAINLINE TYPICALS. EDGELINES SHALL NOT BE CONTINUOUS AROUND 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).

- NOTES:**
- 1.) OWNER:
 - A.) 1962 REAL ESTATE LLC
40 WAKEFIELD STREET
ROCHESTER, NH 03866
 - B.) JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03866
 - 2.)
 - A.) TAX MAP 239, LOT 2
 - B.) TAX MAP 235, LOT 1
 - 3.) S.C.R.D.
 - A.) BOOK 4268, PAGE 115
 - B.) BOOK 993, PAGE 080

- NOTES CONT.:**
- 4.) THIS IS A COMMERCIAL DRIVEWAY.
 - 5.) EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE.
 - 6.) THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2010. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
 - 7.) CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
 - 8.) 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.

- NOTES CONT.:**
- 9.) 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).
 - 10.) ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
 - 11.) ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH (T) SHALL BE THERMOPLASTIC.
 - 12.) 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.
 - 13.) CONTACT BUREAU OF TRAFFIC TO REVIEW ALL PASSING ZONES PRIOR TO STRIPING OR INSTALLING W14-3 SIGNS IF APPLICABLE.

- NOTES CONT.:**
- 14.) THE CONTRACTOR SHALL CONTACT NHDOT BUREAU OF TRAFFIC AT (603) 271-2291 ONE WEEK PRIOR TO PAVEMENT MARKINGS.
 - 15.) ALL PAVEMENT MARKINGS TO BE PAINTED TO NHDOT STANDARD NO. PM-9.
 - 16.) SEE NHDOT STANDARD PLAN PM-10A FOR WORD AND SYMBOL DETAILS.
 - 17.) THE SPEED LIMIT ON NH ROUTE 9 IS 30 MPH. 85TH PERCENTILE IS ASSUMED TO BE 35 MPH.
 - 18.) WORK WITHIN NHDOT R.O.W. WILL REQUIRE PROFESSIONAL FLAGGING SERVICES AND POLICE SUPERVISION.
 - 19.) DESIGN ENGINEER TO PROVIDE INSPECTION & OVERSIGHT OF ALL WORK WITHIN R.O.W.



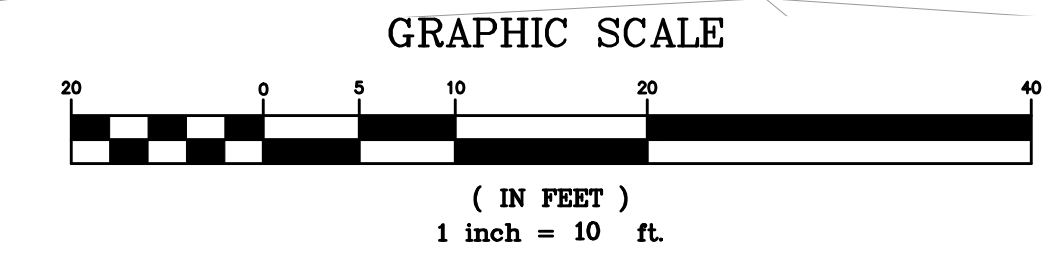
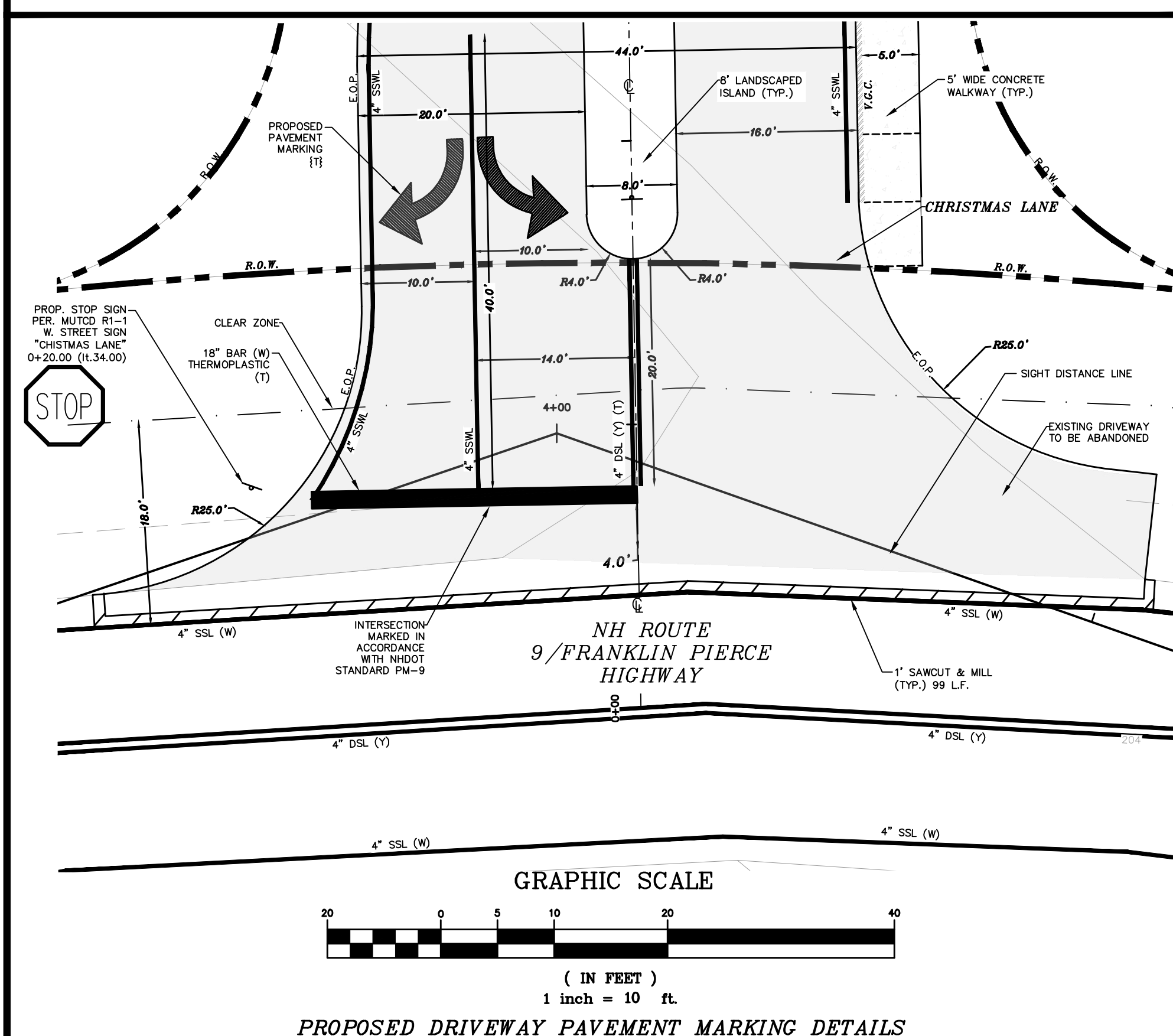
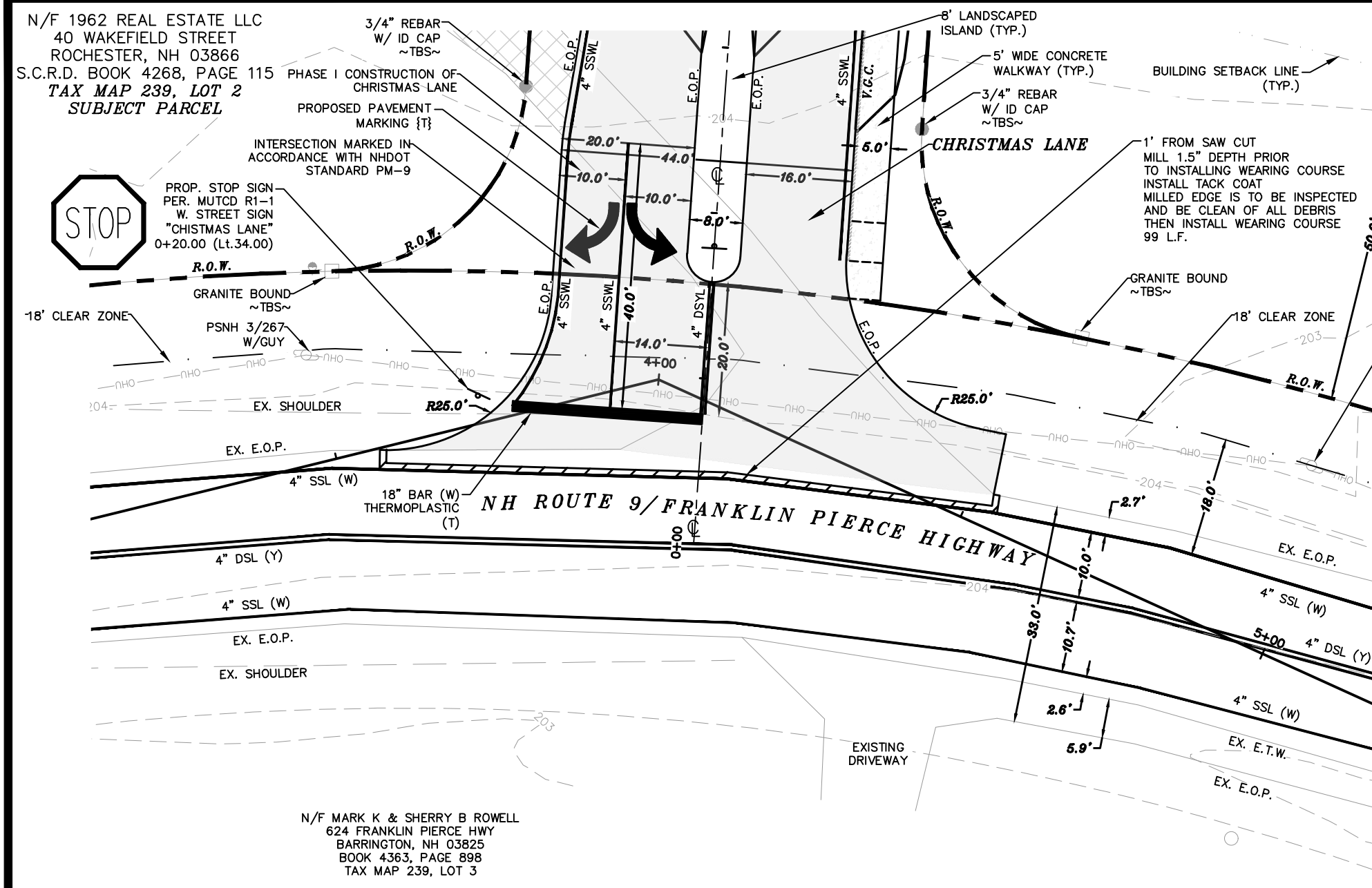
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
VERTICAL SCALE: 1" = 4'

#	REVISION	DATE	DESCRIPTION
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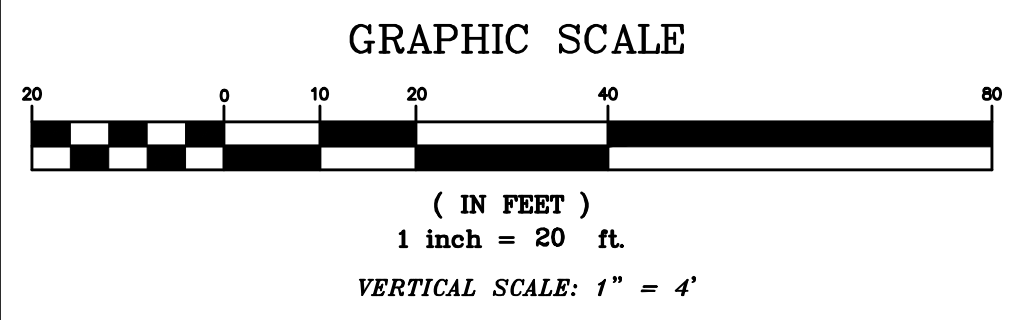
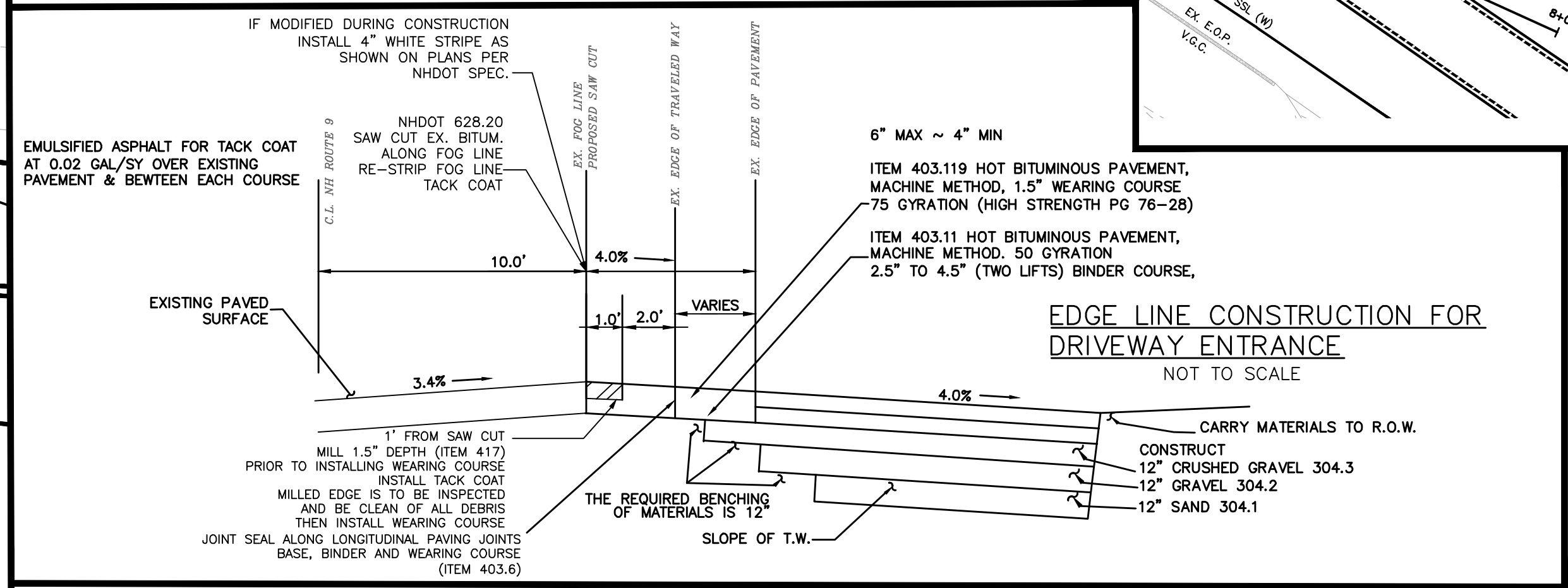
SIGHT DISTANCE PROFILE WESTBOUND
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SVENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : AUGUST 13, 2018
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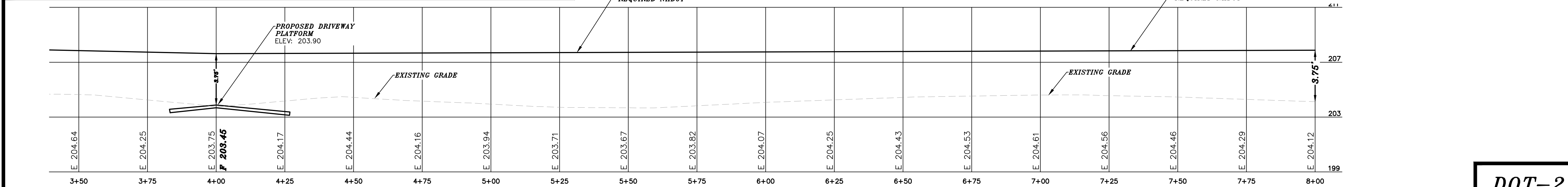
KENNETH A. BERRY
No. 19243
LICENSED PROFESSIONAL ENGINEER



PROPOSED DRIVEWAY PAVEMENT MARKING DETAILS

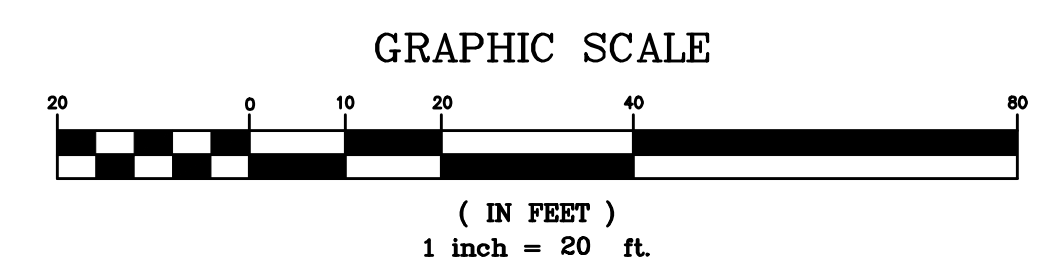
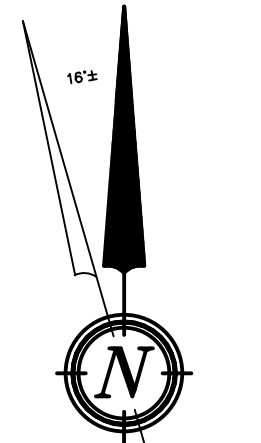


CLEAR ZONE CALCULATION:
 DESIGN SPEED: 30 MPH / 85TH ASSUMED 35 MPH
 DESIGN ADT (2016): OVER 6,000 (8,208)
 FROM AASHTO ROADSIDE DESIGN GUIDE (2002) TABLE 3.1 PAGE 3-6
 CLEAR ZONE REQUIRED TO BE 16-18 FEET, THE MORE CONSERVATIVE VALUE OF 18 FEET HAS BEEN SELECTED



- NOTES:**
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 - JOHN & LINDA SVENSON
P.O. BOX 10
BARRINGTON, NH 03866
 - TAX MAP 239, LOT 2
TAX MAP 235, LOT 1
 - S.C.R.D.:
 - BOOK 4268, PAGE 115
 - BOOK 993, PAGE 080

- LEGEND:**
- IRON BOUND (TBS)
 - GRANITE BOUND (TBS)
 - UTILITY POLE/GUY WIRE
 - OVERHEAD UTILITIES
 - - - EXISTING BUILDING SETBACK
 - - - EDGE OF TRAVELED WAY (E.T.W.)
 - - - CLEAR ZONE
 - - - WETLANDS
 - - - 50' WETLAND BUFFER
 - - - S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
 - TYP. TYPICAL
 - FOUND FOUND
 - PL PROPERTY LINE
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 - SSL (W) SINGLE SOLID LINE (WHITE)
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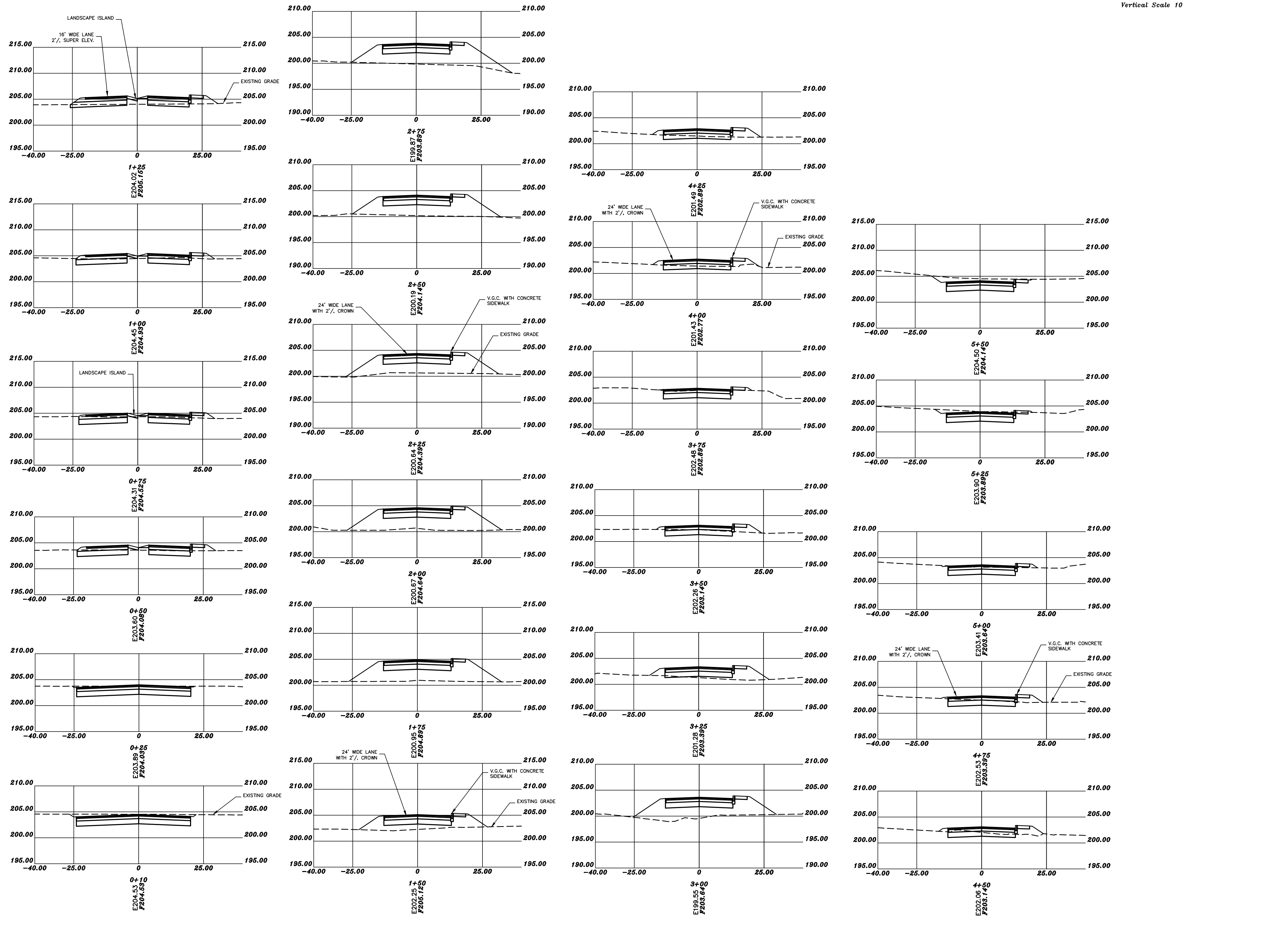
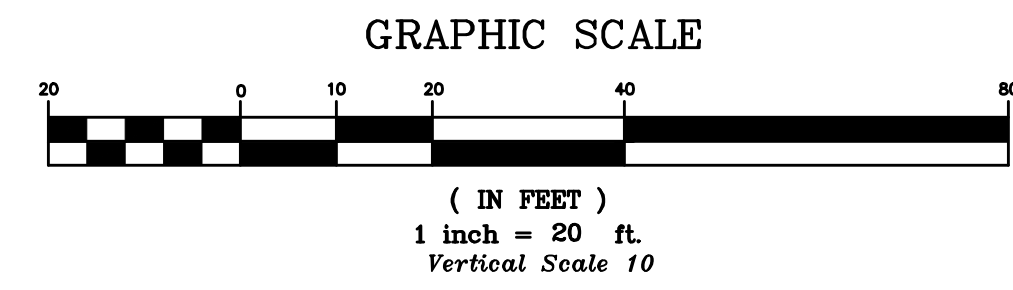


PLAN VIEW FRANKLIN PIERCE HIGHWAY
 PROFILE VIEW SIGHT LINE

#	REVISION	DATE	DESCRIPTION
1	9-6-18		REVISED PER DBK COMMENTS OF 9-5-18

SIGHT DISTANCE PROFILE EASTBOUND
 LAND OF
 1962 REAL ESTATE LLC &
 JOHN & LINDA SVENSON
 FRANKLIN PIERCE HIGHWAY
 BARRINGTON, NH 03825
 TAX MAP 239 LOT 2 & MAP 235 LOT 1

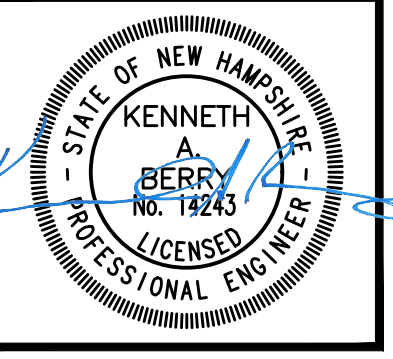
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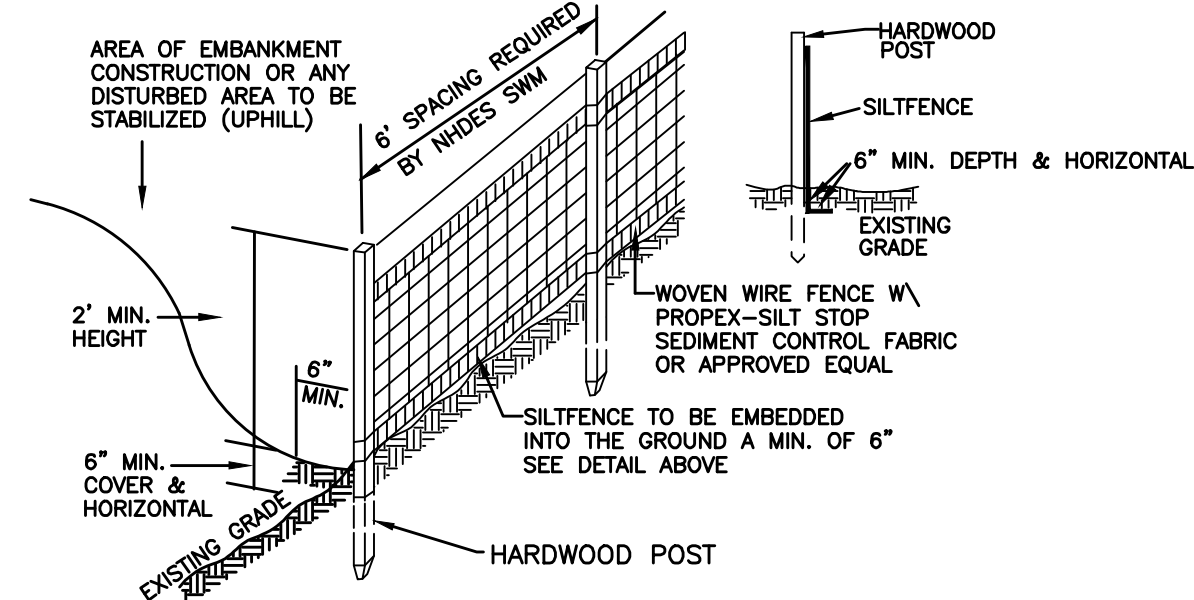
REVISION	DATE	DESCRIPTION
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

CROSS SECTIONS 0+00 - END
 LAND OF
 1962 REAL ESTATE LLC &
 JOHN & LINDA SVENSON
 FRANKLIN PIERCE HIGHWAY
 BARRINGTON, NH 03825
 TAX MAP 289 LOT 2 & MAP 285 LOT 1

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 20 FT.
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E1



SILT FENCE CONSTRUCTION SPECIFICATIONS

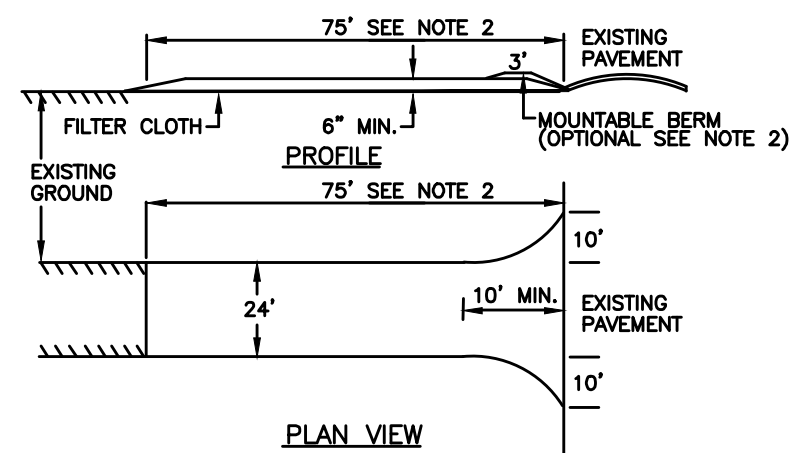
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
- 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 SEDIMENT FROM BY-PASSING.
- 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.
- PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
- SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
- THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
- TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

SILT FENCE MAINTENANCE

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
- 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.

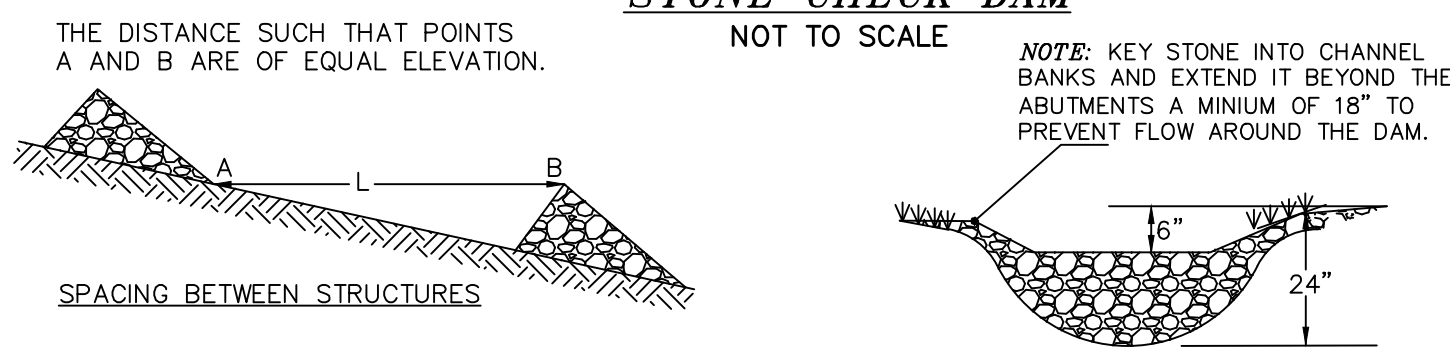
SILT FENCE DETAIL NOT TO SCALE

E5 STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

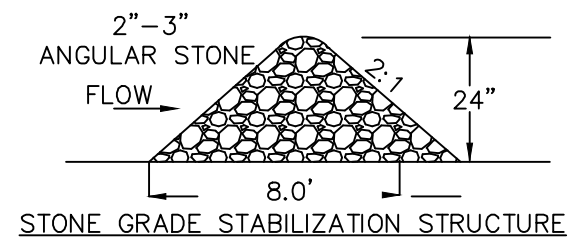


- STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
- THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
- 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.
- GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
- 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.
- 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.
- TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTION EXIT, PAGE 124.

STONE CHECK DAM NOT TO SCALE

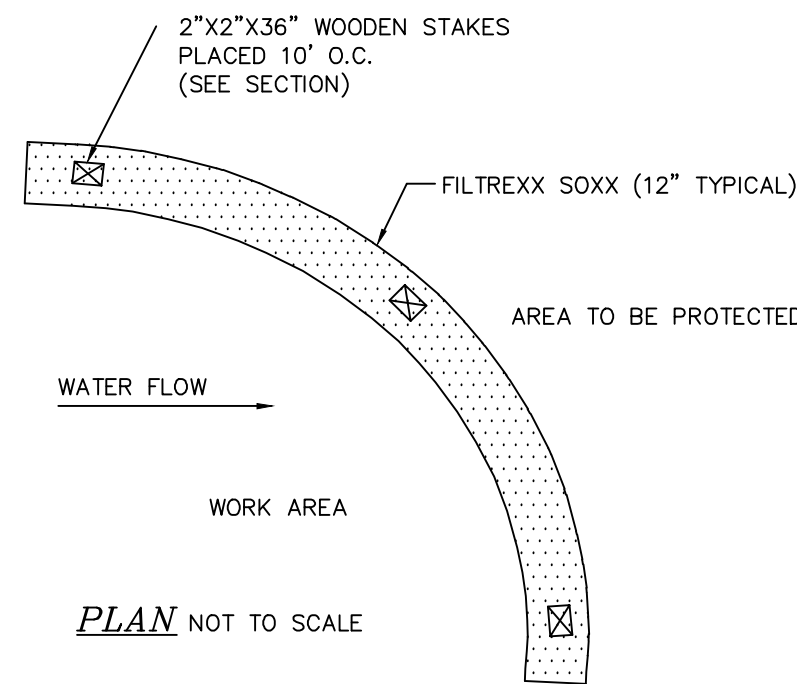


- CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
- THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THAN ONE ACRE.
- THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
- THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.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



E9

E10

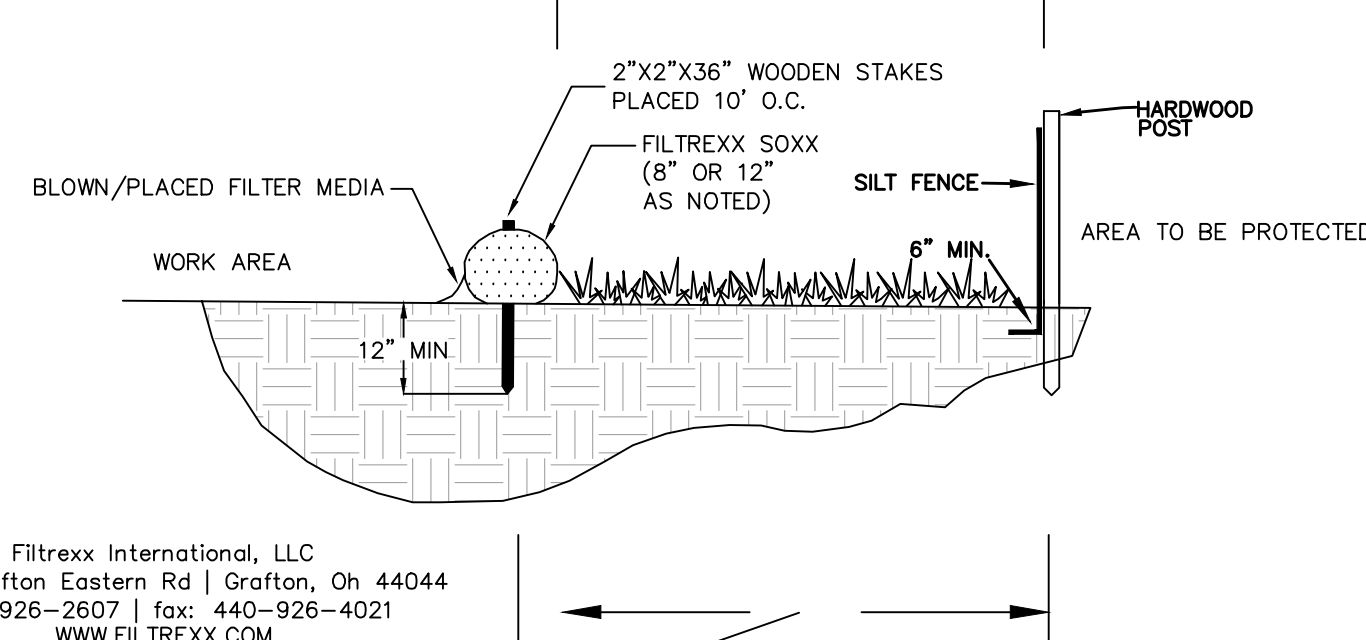


- NOTES
- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 - FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
 - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
 - SILT/STOX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
 - SILT/STOX COMPOST/SOIL/ROCK/SEED FILL MATERIAL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

Filtrexx International, LLC
35481 Grafton Eastern Rd | Grafton, Oh 44044
440-926-2607 | fax: 440-926-4021
WWW.FILTREXX.COM
OR APPROVED EQUAL

SECTION NOT TO SCALE

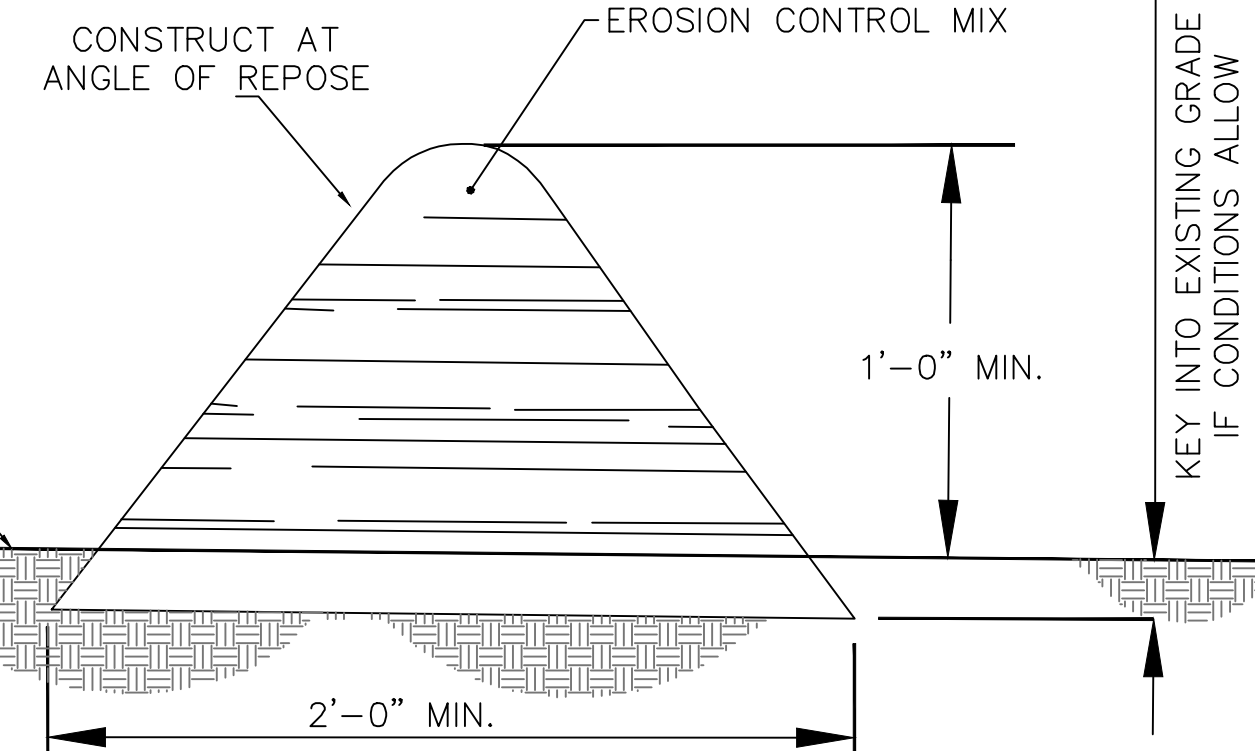
FILTREXX SEDIMENT CONTROL NOT TO SCALE



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.

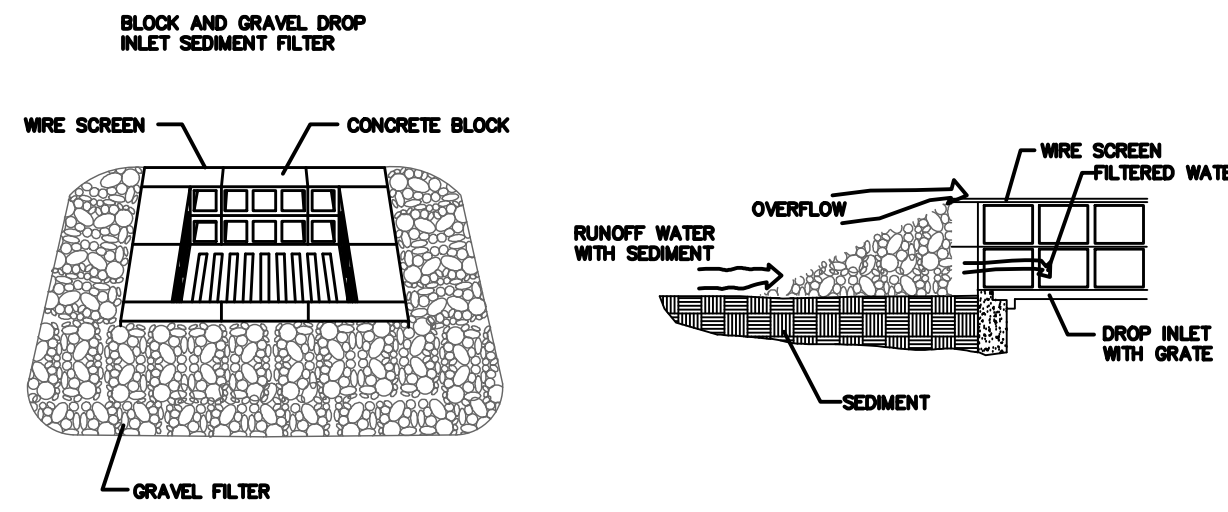
TO BE CONSTRUCTED IAW NH SWM #2 CHAPTER 4, #5 TREATMENT SWALES, PAGE 123.

E6 EROSION CONTROL MIX BERM NOT TO SCALE



- EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:
- BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
 - THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
 - THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%.
 - SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100% DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
 - THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
 - THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
 - THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
 - THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
 - TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

E7



MAINTENANCE

ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAIN STORM AND REPAIRS MADE AS NECESSARY. SEDIMENT SHOULD BE REMOVED FROM TRAPPING DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE HALF THE DEPTH OF THE TRAP. THE SEDIMENT SHOULD BE DISPOSED OF IN A SUITABLE AREA AND PROTECTED FROM EROSION BY EITHER STRUCTURE OR VEGETATIVE MEANS. THE TEMPORARY TRAPS SHOULD BE REMOVED AND THE AREA REPAIRED AS SOON AS THE CONTRIBUTING DRAINAGE AREA TO THE INLET HAS BEEN COMPLETELY STABILIZED.

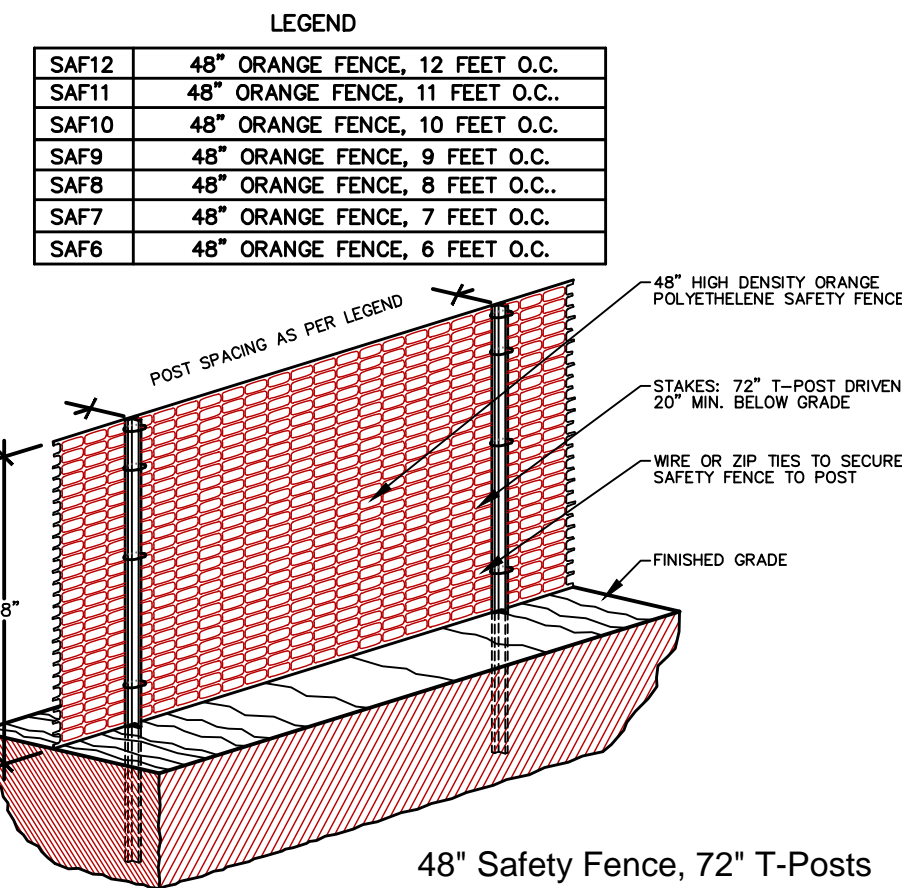
BLOCK & GRAVEL DROP INLET SEDIMENT FILTER NOT TO SCALE

TO BE USED IN ALL AREAS WHERE THERE WILL BE NO TRAFFIC.

TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY STORM DRAIN INLET PROTECTION, PAGE 118.

E4

CONSTRUCTION SAFETY FENCE NOT TO SCALE

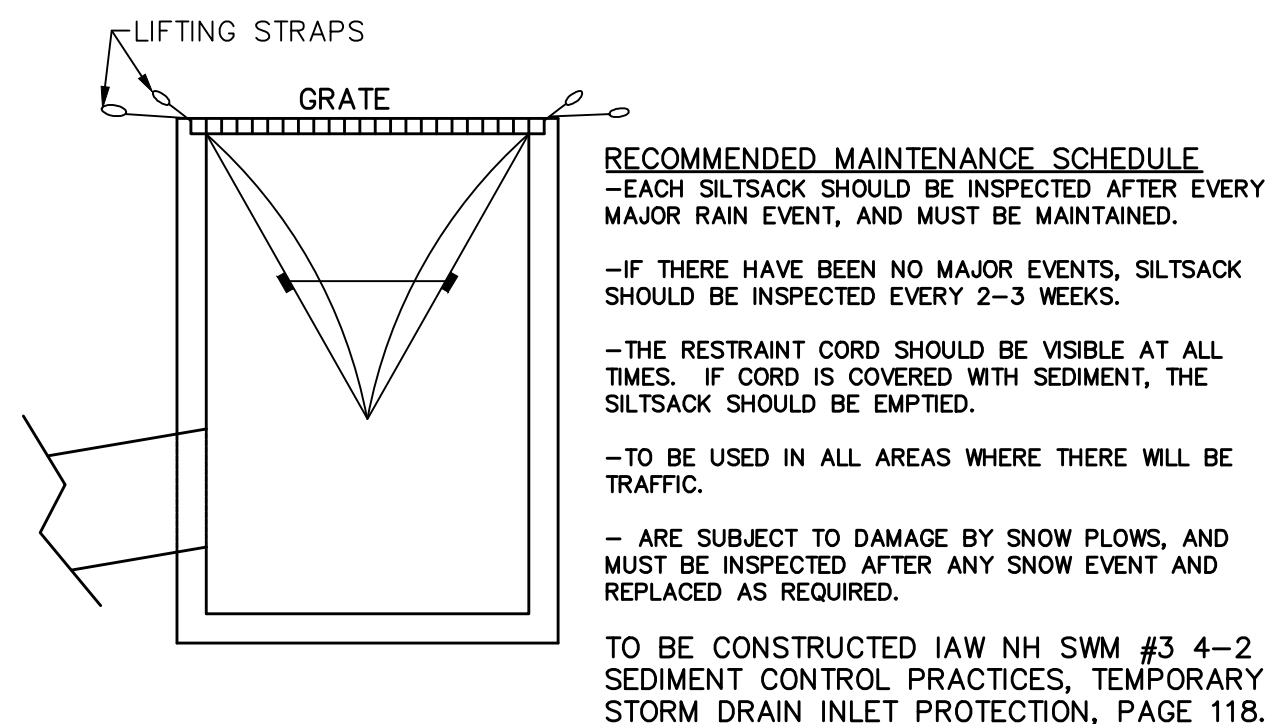


- ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
- ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
- WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE DRIP LINE OF THE TREE.
- SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
- 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

- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED 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)
- 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.
- 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.
- 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.
- 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.
- DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
- DRIVEWAYS AND CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
 - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- 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.
- 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)

E11



RECOMMENDED MAINTENANCE SCHEDULE
-EACH SILTSACK SHOULD BE INSPECTED AFTER EVERY MAJOR RAIN EVENT, AND MUST BE MAINTAINED.
-IF THERE HAVE BEEN NO MAJOR EVENTS, SILTSACK SHOULD BE INSPECTED EVERY 2-3 WEEKS.
-THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF CORD IS COVERED WITH SEDIMENT, THE SILTSACK SHOULD BE EMPTIED.
-TO BE USED IN ALL AREAS WHERE THERE WILL BE TRAFFIC.
- ARE SUBJECT TO DAMAGE BY SNOW PLOWS, AND MUST BE INSPECTED AFTER ANY SNOW EVENT AND REPLACED AS REQUIRED.

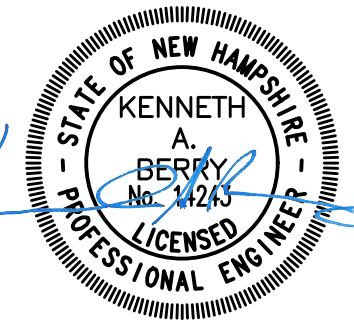
SILTSACK DETAIL NOT TO SCALE

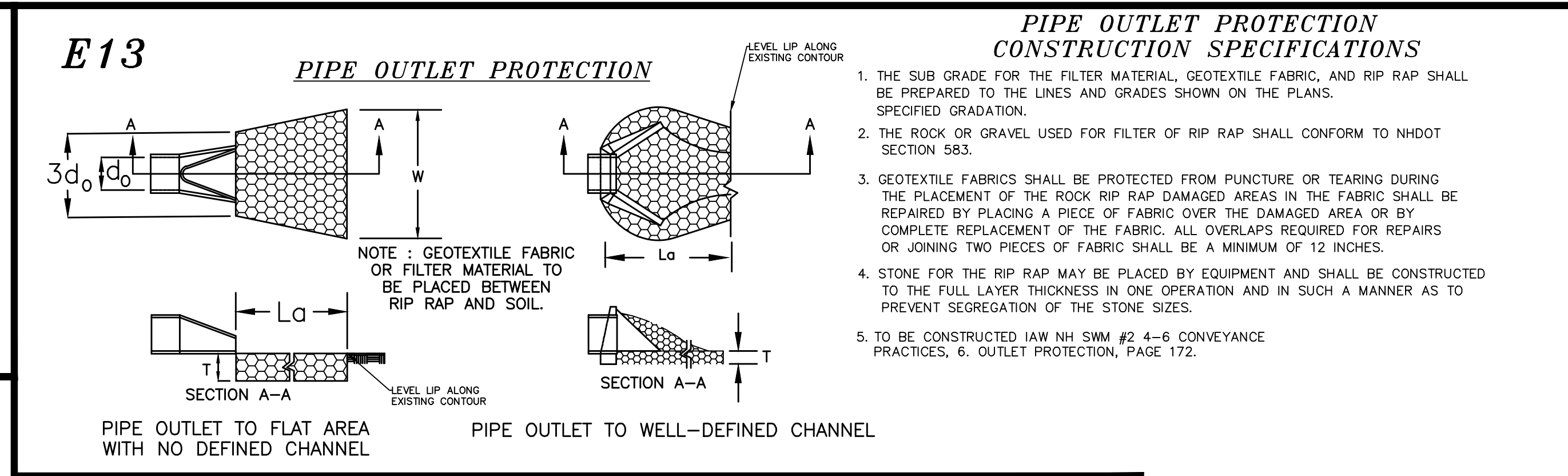
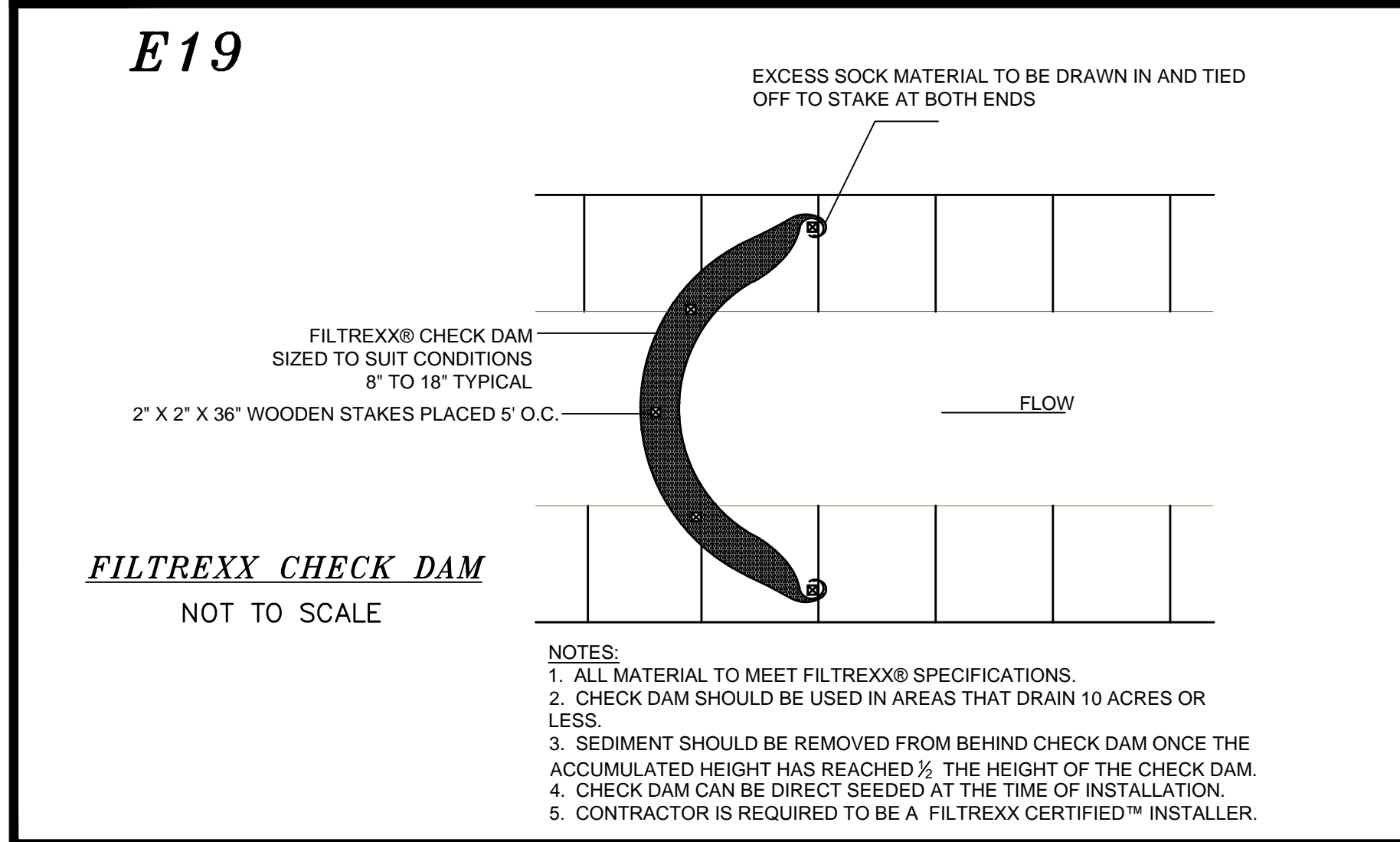
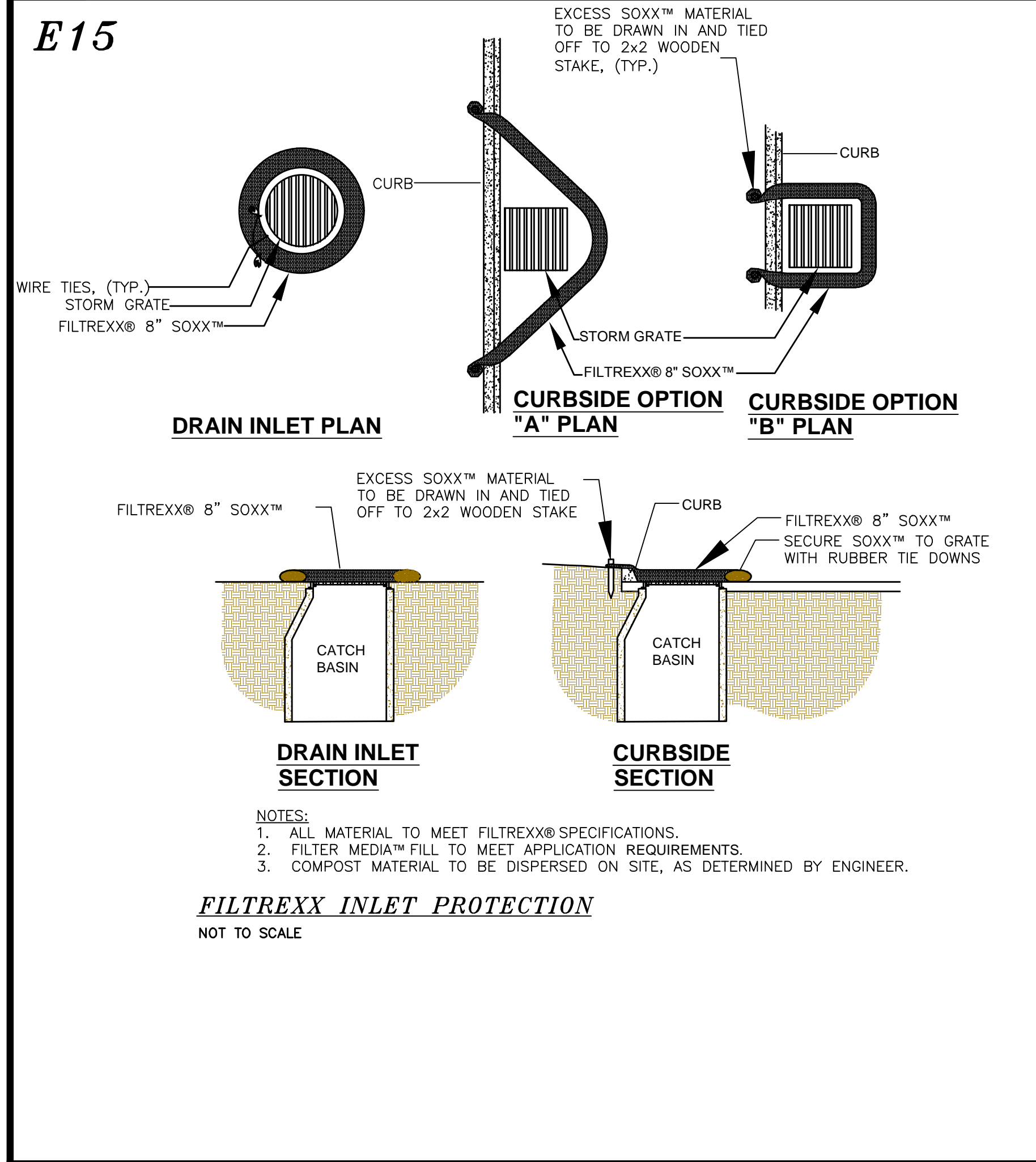
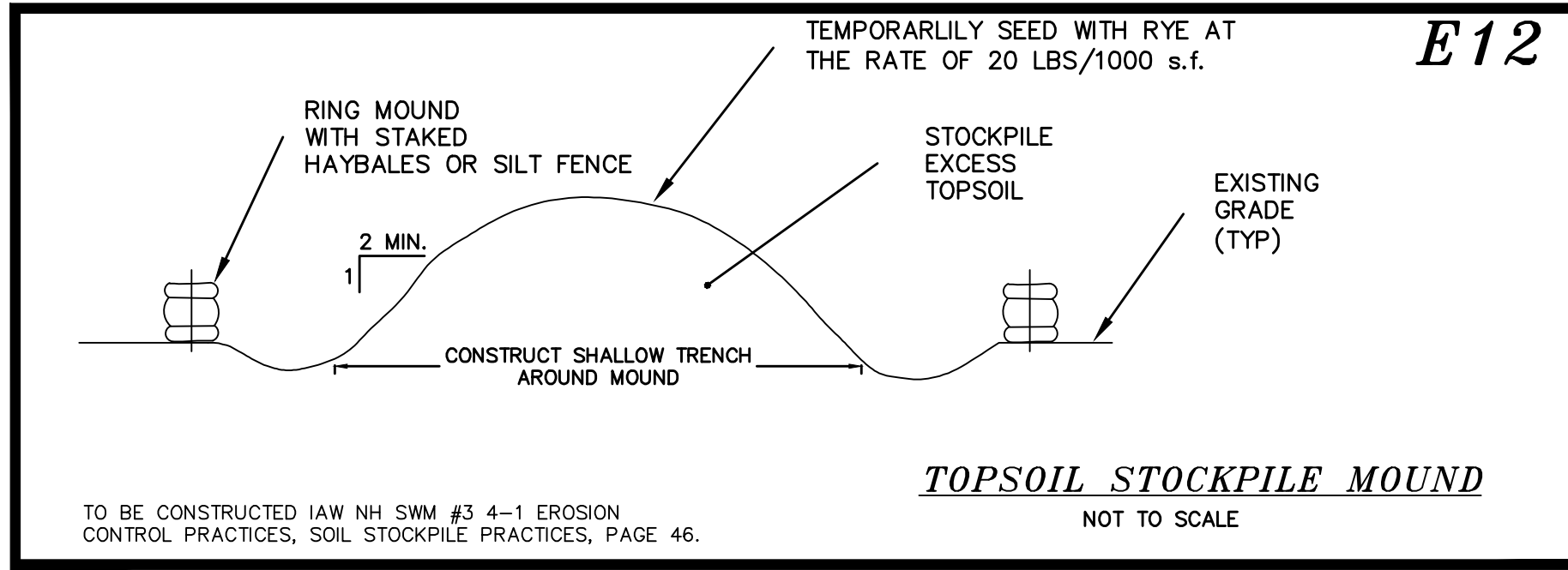
E-101

#	REVISION	DATE	DESCRIPTION
1	9-6-18		REVISED PER DBK COMMENTS OF 9-5-18

EROSION & SEDIMENT CONTROL DETAILS
LAND OF
1962 REAL ESTATE LLC &
JOHN & LINDA SWENSON
FRANKLIN PIERCE HIGHWAY
BARRINGTON, NH 03825
TAX MAP 239 LOT 2 & MAP 235 LOT 1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
AS NOTED
DATE : AUGUST 13, 2018
FILE NO. : DB 2018 - 005





E16

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

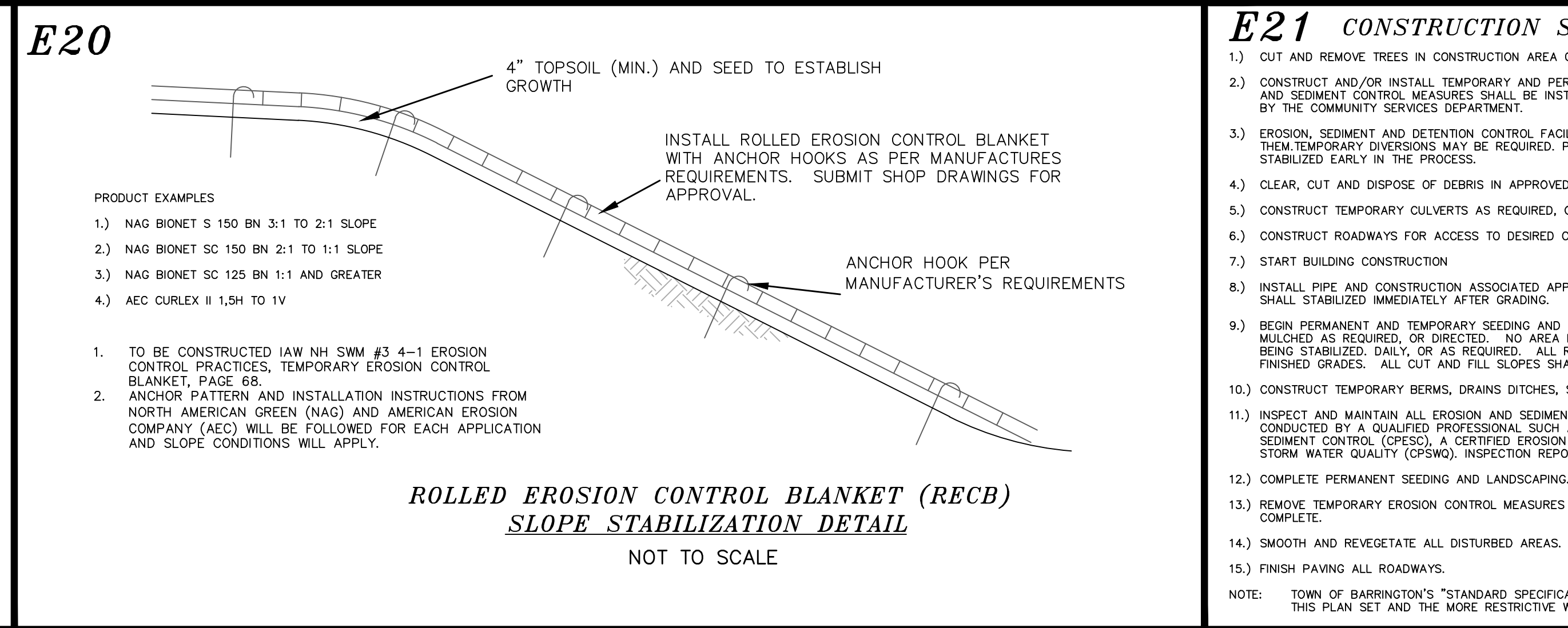
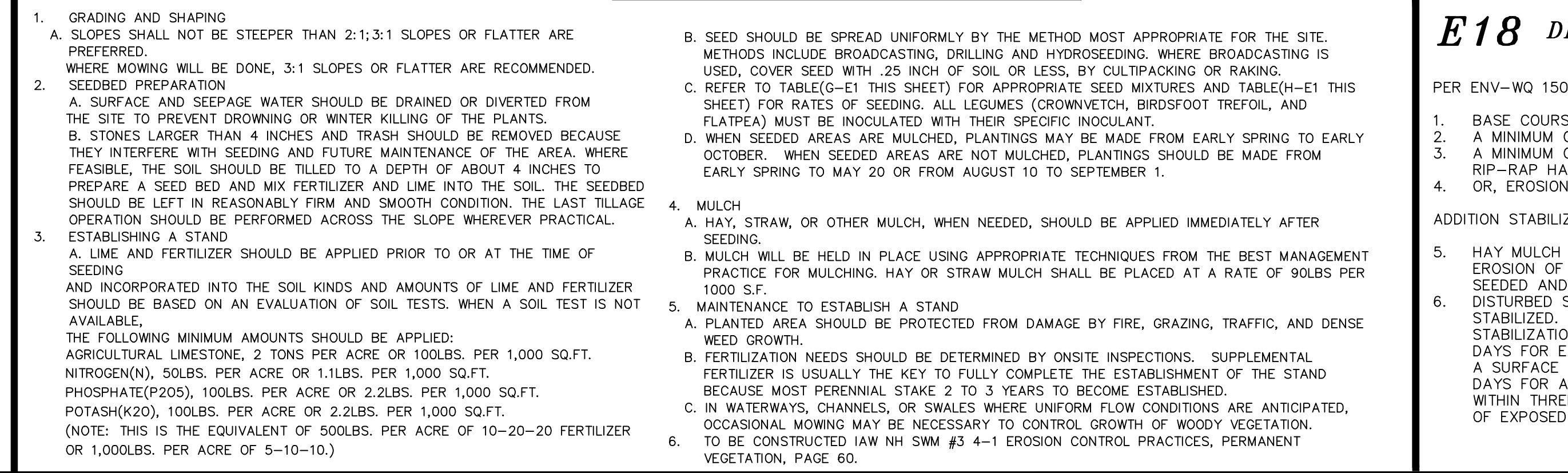
MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
A. TALL FESCUE	20	0.45
CREeping RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.95
B. TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH	15	0.35
FLAT PEA	40	0.95
TOTAL	80	1.95
C. TALL FESCUE	24	0.55
CREeping RED FESCUE	24	0.55
BIRDS FOOT TREFOIL	24	0.55
TOTAL	72	1.65
D. TALL FESCUE	20	0.45
FLAT PEA	60	1.35
TOTAL	80	1.80
E. KENTUCKY BLUEGRASS 1/2	50	1.15
CREeping RED FESCUE 1/2	100	2.30
TOTAL	150	3.45
F. TALL FESCUE 1	150	3.60

SEEDING GUIDE

USE	SEEDING MIXTURE 1/2	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	POOR	GOOD	GOOD	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	B	POOR	GOOD	GOOD	POOR
LIGHTLY USED PARKING LOTS, SOO AREAS, UNUSED LANDS, AND LOW INTENSITY RECREATION SITES	C	POOR	GOOD	GOOD	POOR
PLAY AREAS AND ATHLETIC FIELDS	D	POOR	GOOD	GOOD	POOR
GRAVEL PITS. SEE NH-FM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.	E	POOR	GOOD	GOOD	POOR
1/2 REFER TO SEEDING MIXTURES AND RATES IN TABLE 7-36	F	POOR	GOOD	GOOD	POOR
ZZ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.	G	POOR	GOOD	GOOD	POOR

SEEDING SPECIFICATIONS

1. GRADING AND SHAPING
 - A. 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.
2. SEEDBED PREPARATION
 - A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - B. STONES LARGER THAN 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.
3. ESTABLISHING A STAND
 - A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON 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.)
4. MULCH
 - A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - B. 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.
5. MAINTENANCE TO ESTABLISH A STAND
 - A. PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
 - C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.
6. TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, PERMANENT VEGETATION, PAGE 60.



E14

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES

450 SIZE=	0.5 FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN 450 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	9	12
85%	8	11
50%	6	9
15%	2	3

WINTER STABILIZATION NOTES

E17

1. 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.
2. 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.
3. 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.
4. 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.

E18 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.
- 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 SEED 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 ONE HUNDRED (100) 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.

BERRY SURVEYING & ENGINEERING

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

AS NOTED

DATE: AUGUST 13, 2018

FILE NO.: DB 2018 - 005

STATE OF NEW HAMPSHIRE

KENNETH A. BERRY

No. 1224

REGISTERED PROFESSIONAL ENGINEER

E-102

SHEET 16 OF 19

EROSION & SEDIMENT CONTROL DETAILS

LAND OF

1962 REAL ESTATE LLC & JOHN & LINDA SVENSON

FRANKLIN PIERCE HIGHWAY BARRINGTON, NH 03825

TAX MAP 239 LOT 2 & MAP 235 LOT 1

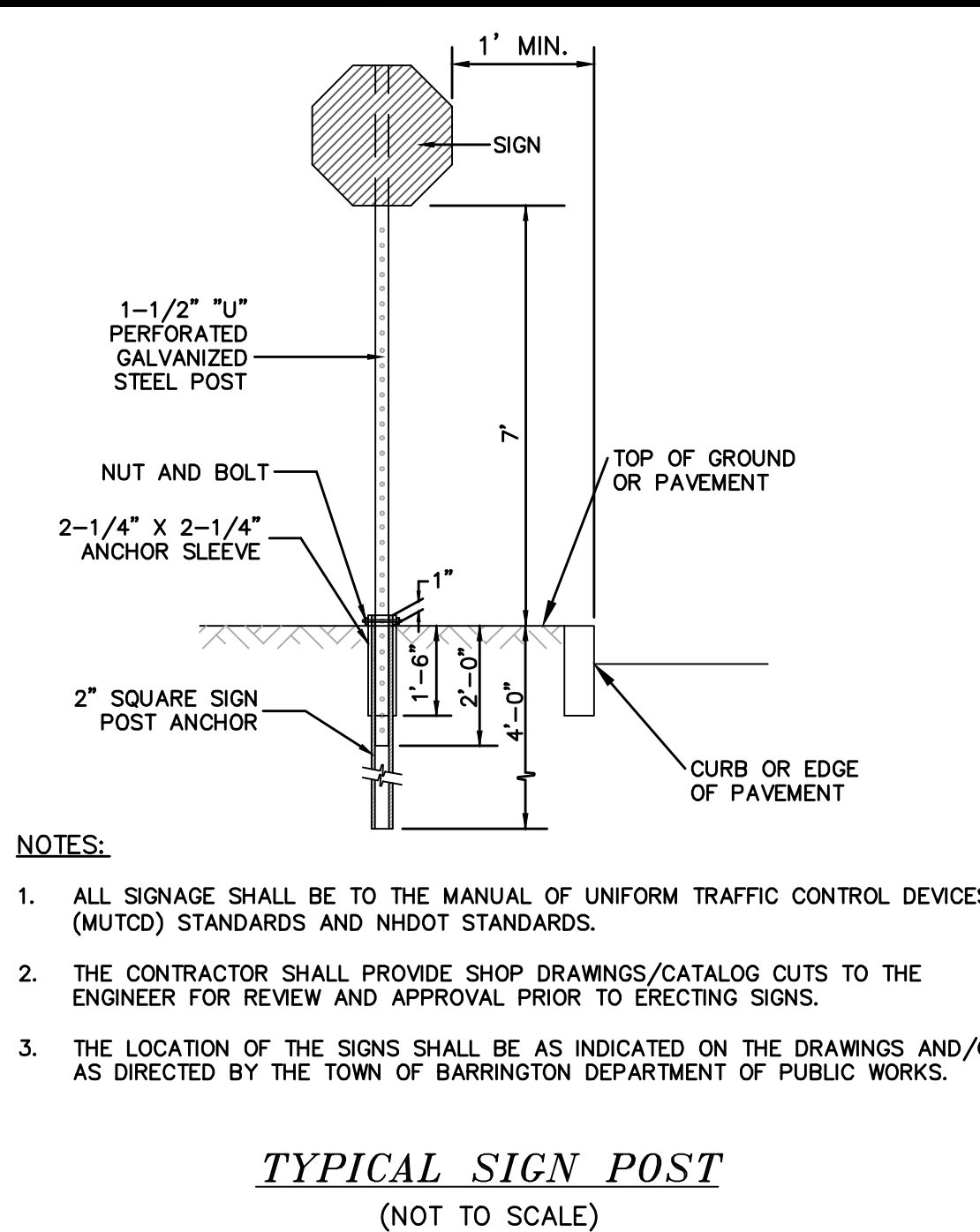
REVISION DATE

9-6-18

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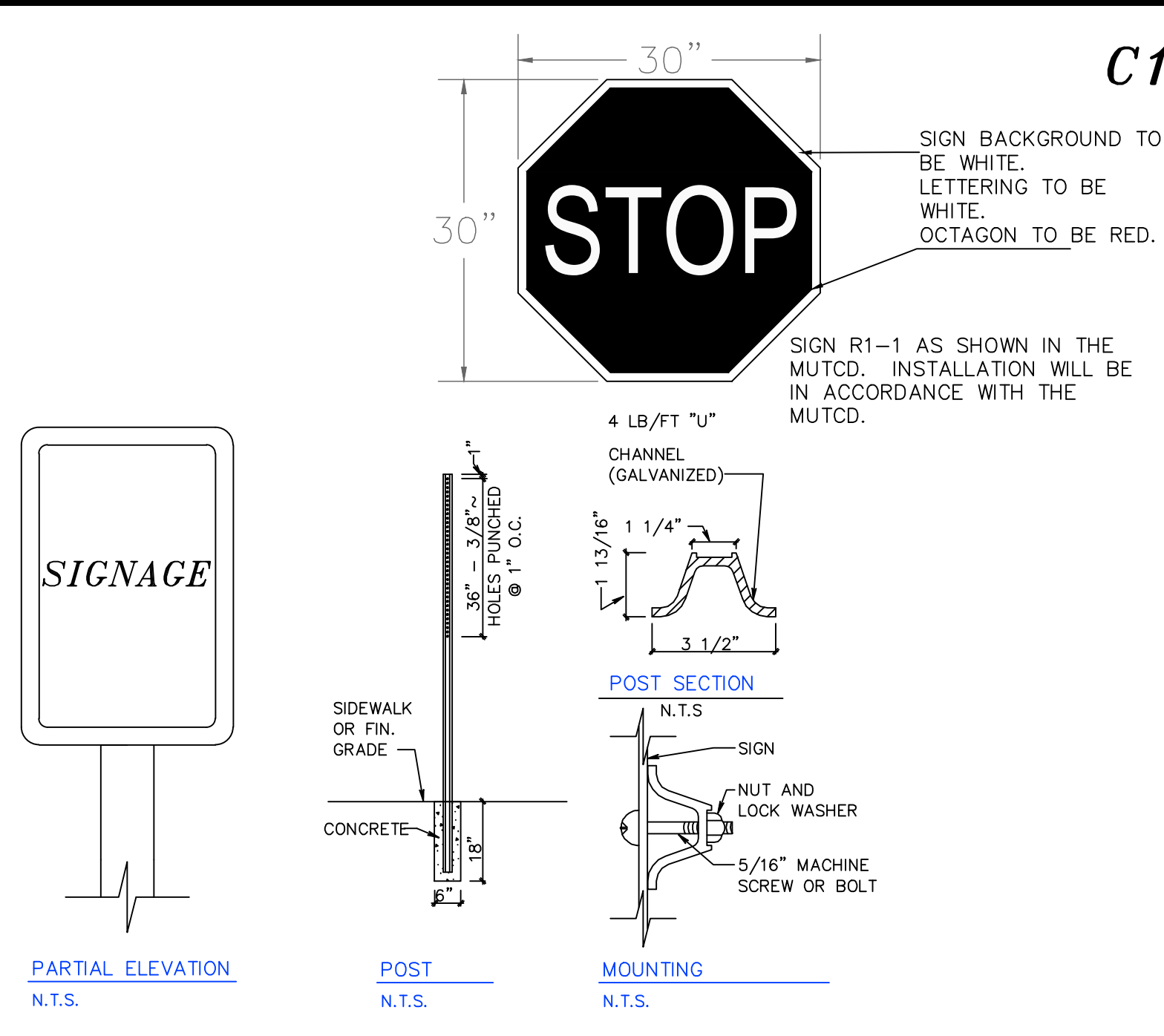
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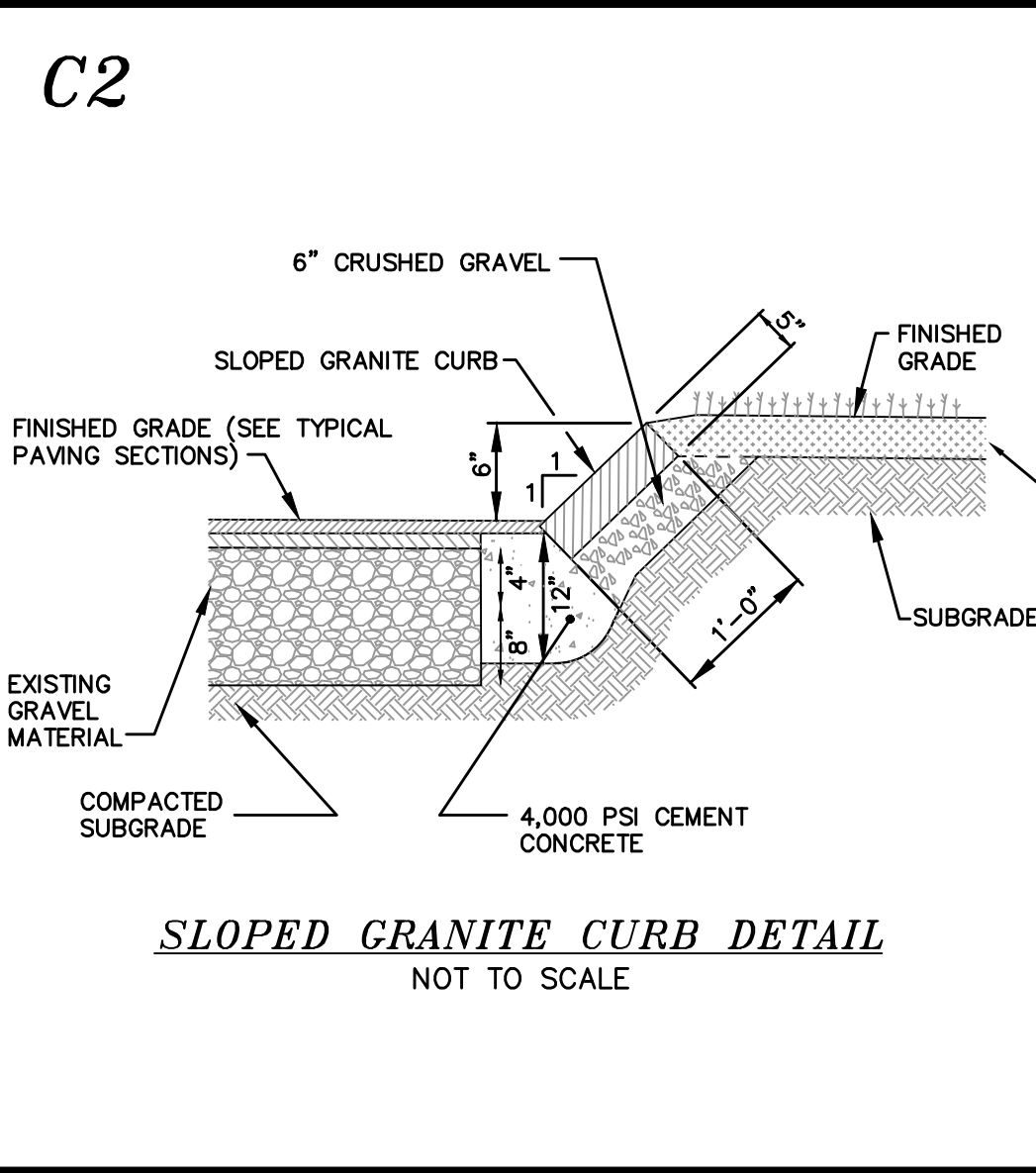


- NOTES:**
- ALL SIGNAGE SHALL BE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND NHDOT STANDARDS.
 - THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS/CATALOG CUTS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ERECTING SIGNS.
 - THE LOCATION OF THE SIGNS SHALL BE AS INDICATED ON THE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

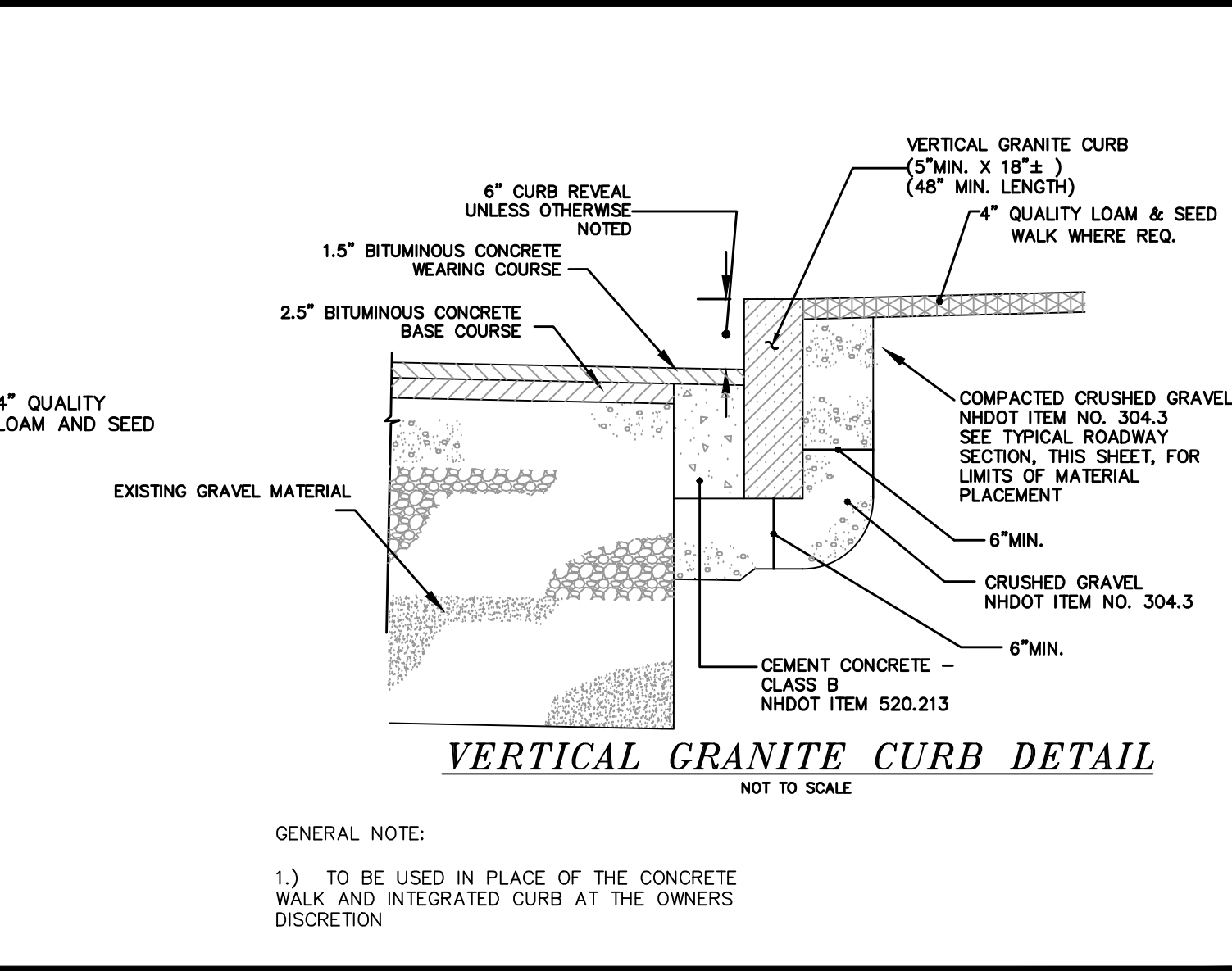
TYPICAL SIGN POST
(NOT TO SCALE)



PARTIAL ELEVATION N.T.S.
POST N.T.S.
MOUNTING N.T.S.

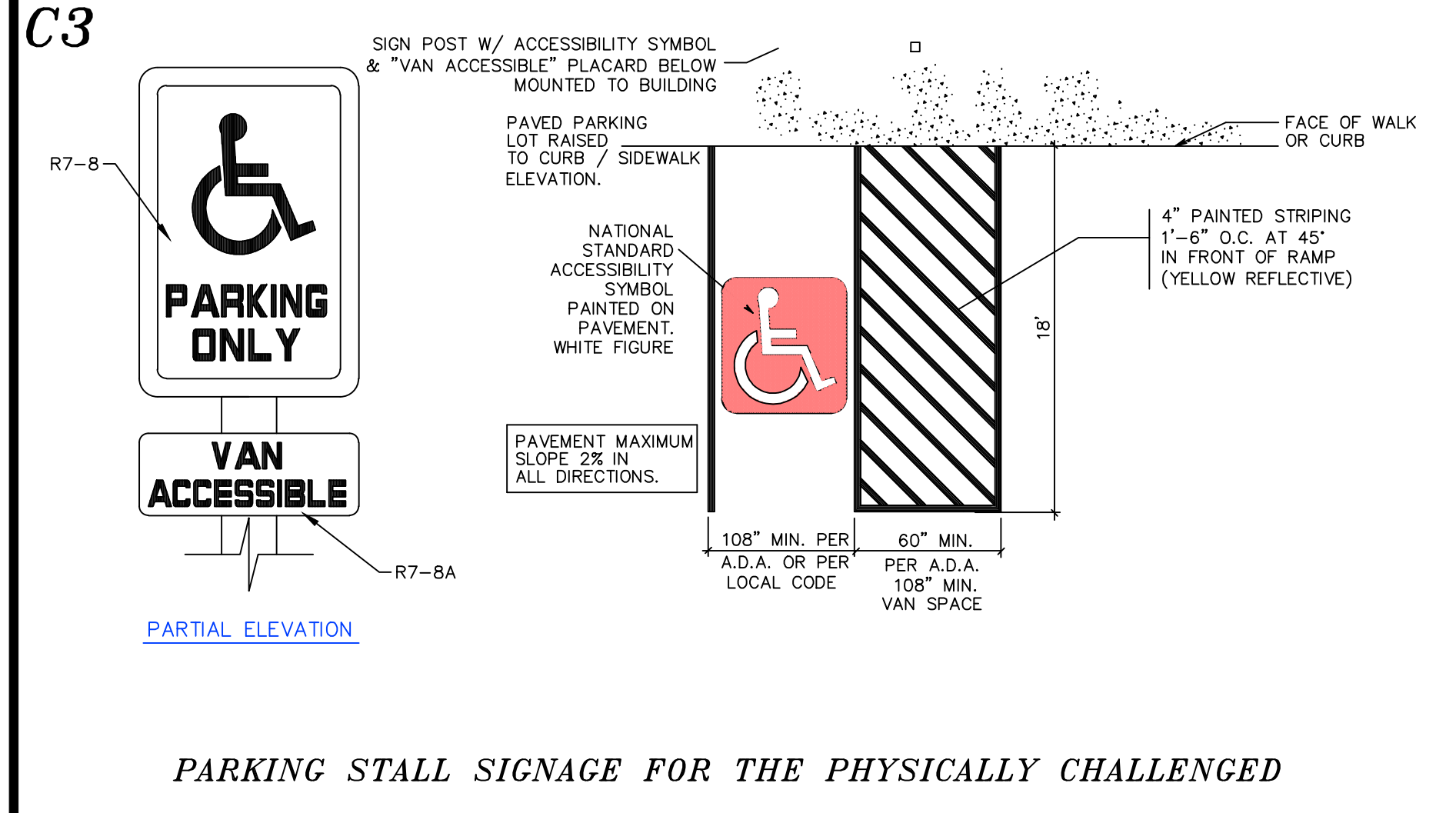


SLOPED GRANITE CURB DETAIL
NOT TO SCALE

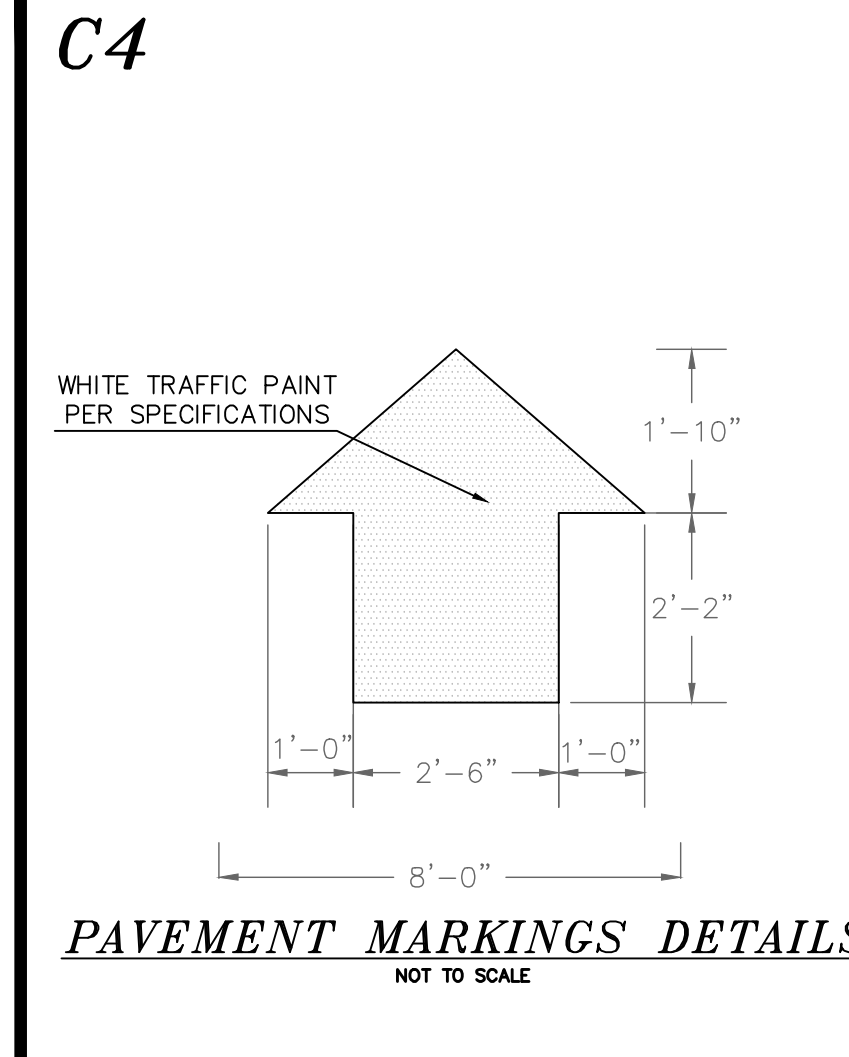


GENERAL NOTE:
1.) TO BE USED IN PLACE OF THE CONCRETE WALK AND INTEGRATED CURB AT THE OWNERS DISCRETION

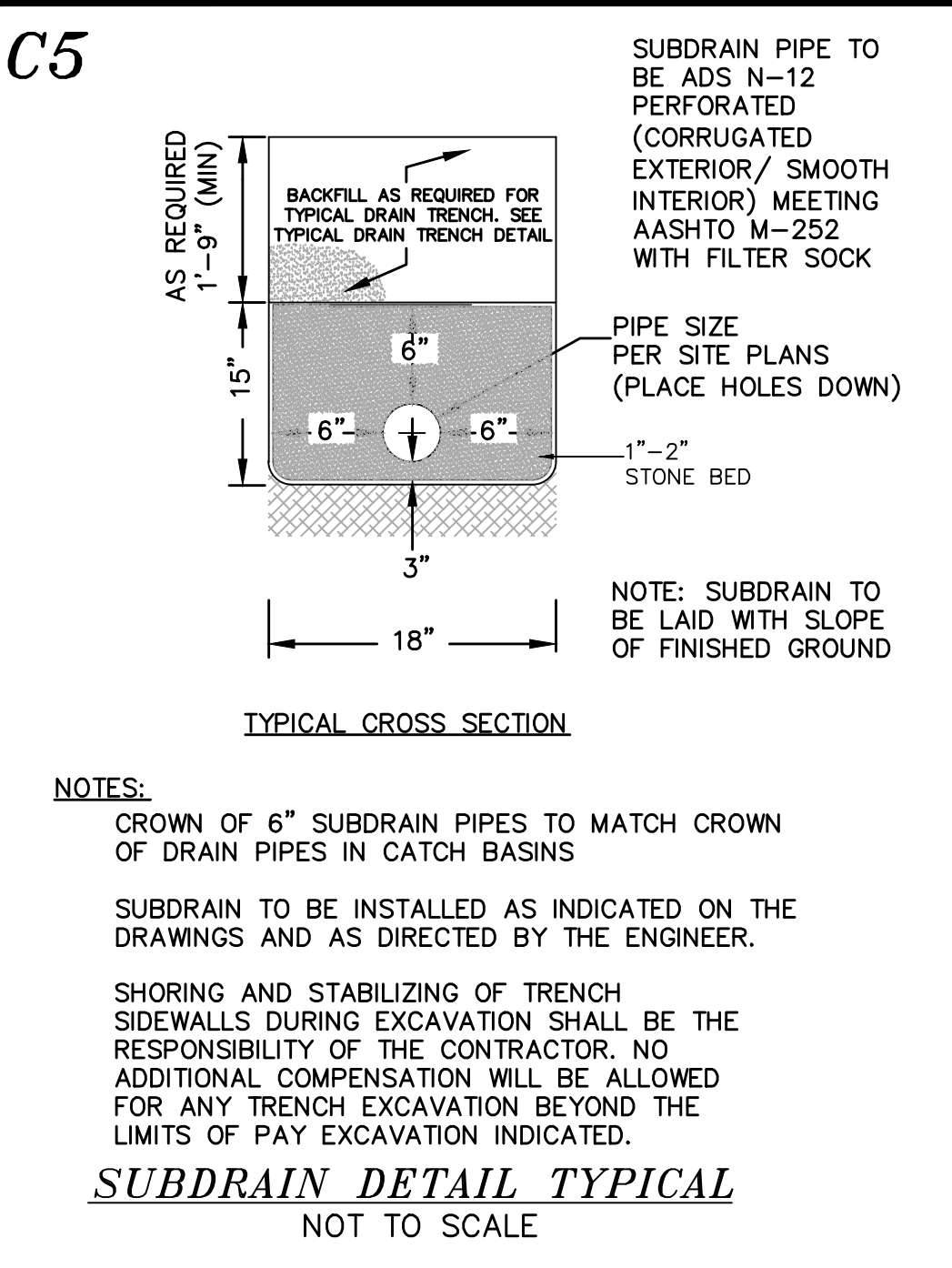
VERTICAL GRANITE CURB DETAIL
NOT TO SCALE



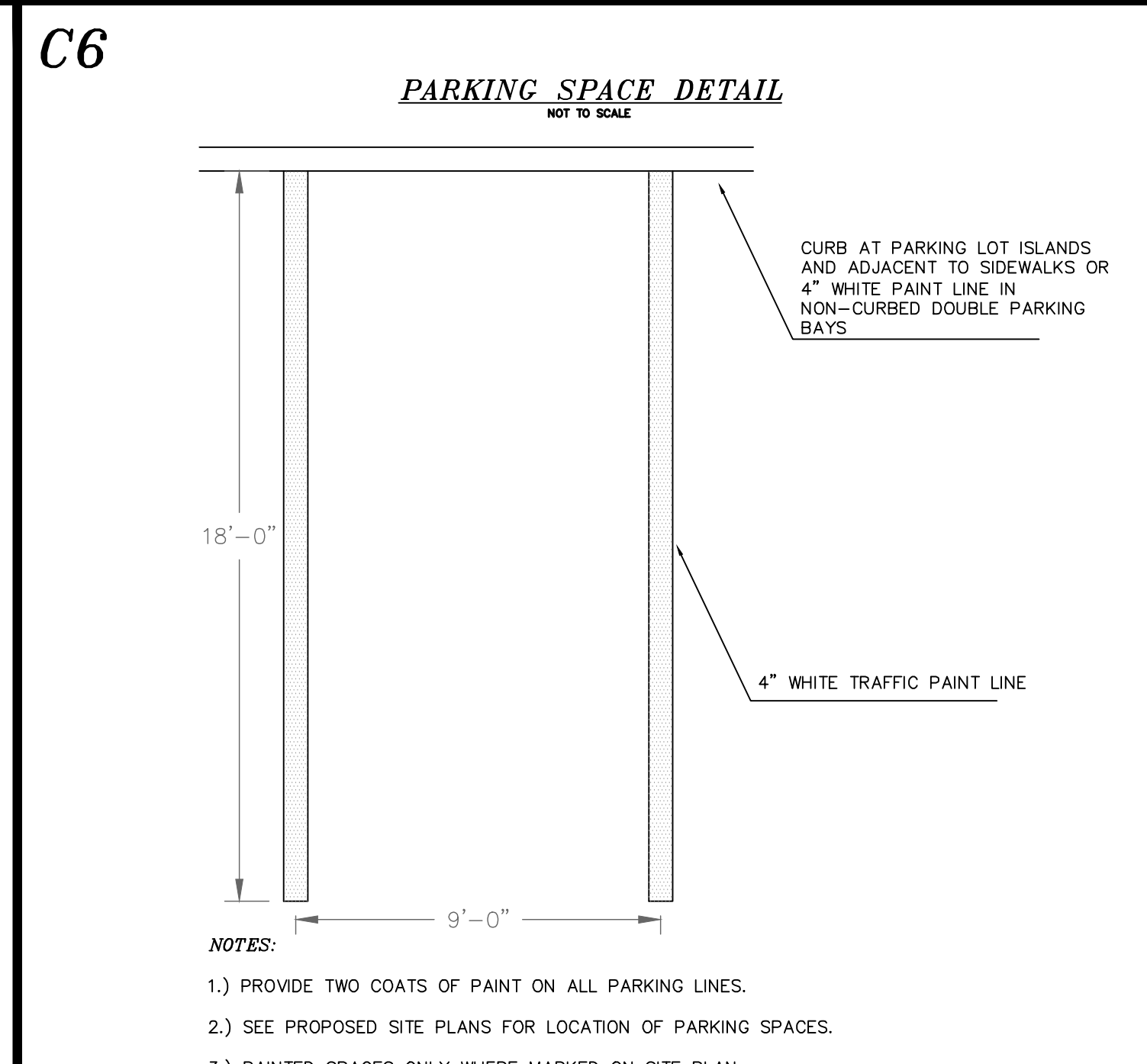
PARKING STALL SIGNAGE FOR THE PHYSICALLY CHALLENGED



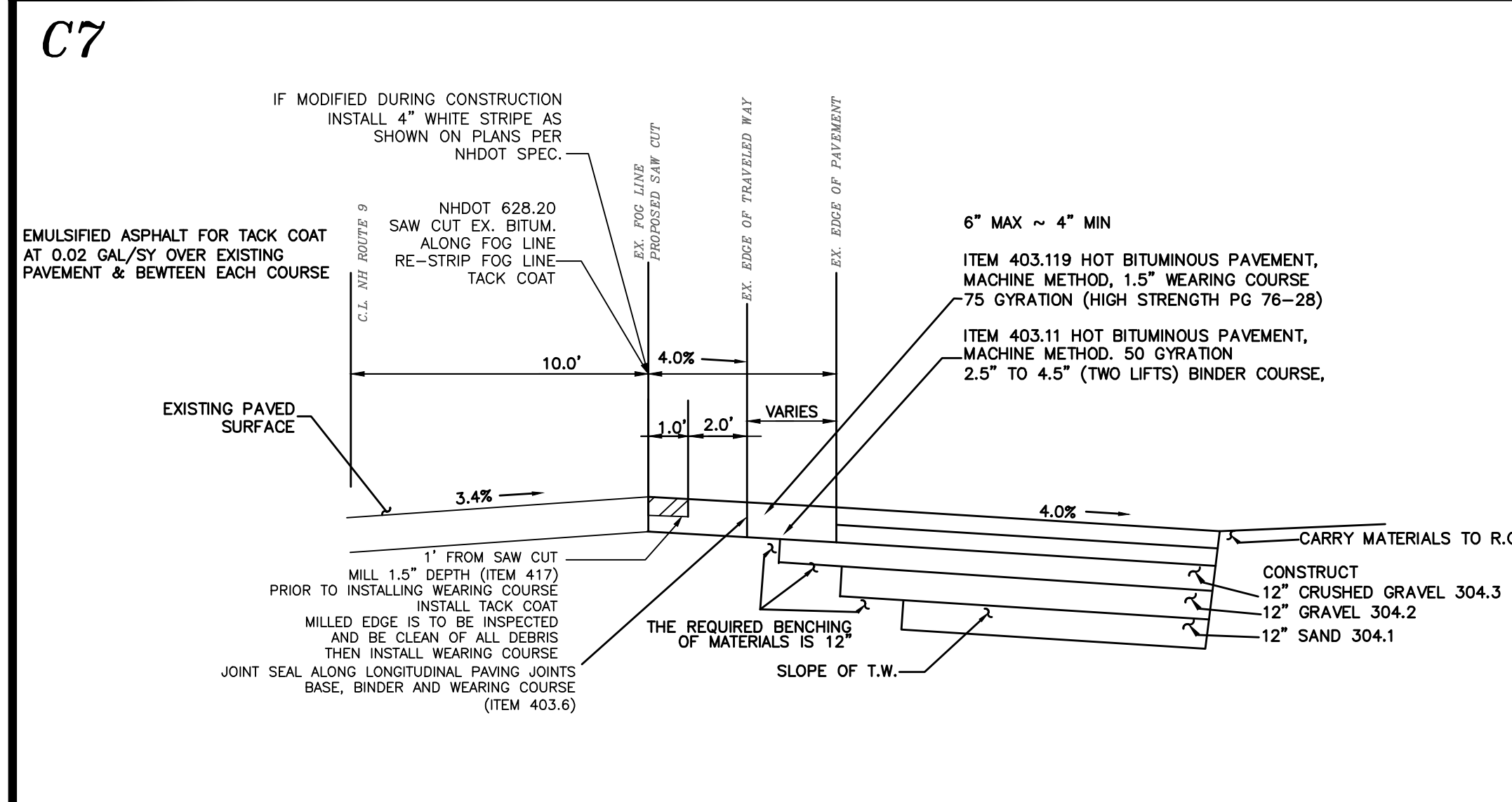
PAVEMENT MARKINGS DETAILS
NOT TO SCALE



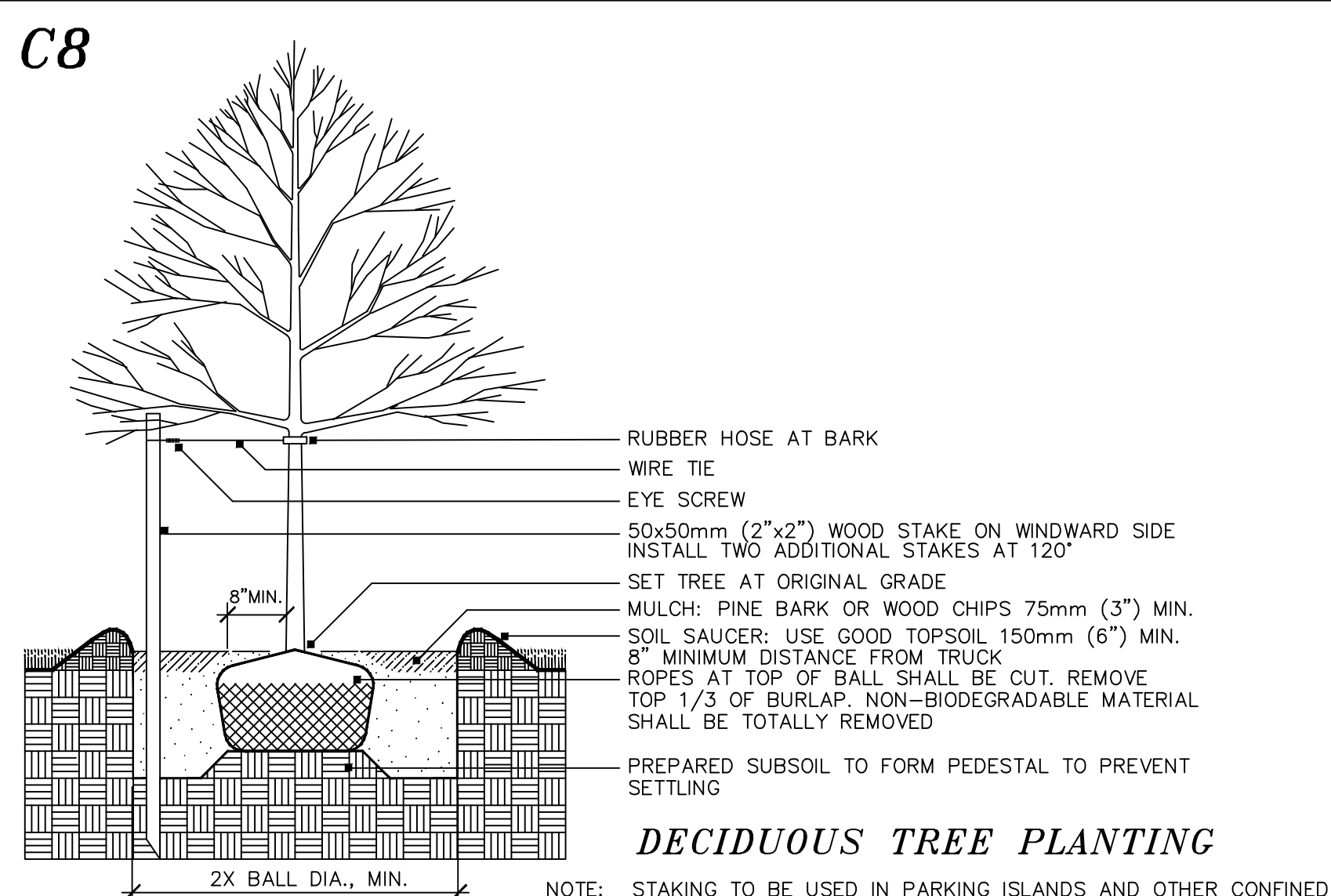
NOTES:
CROWN OF 6" SUBDRAIN PIPES TO MATCH CROWN OF DRAIN PIPES IN CATCH BASINS
SUBDRAIN TO BE INSTALLED AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
SHORING AND STABILIZING OF TRENCH SIDEWALLS DURING EXCAVATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY TRENCH EXCAVATION BEYOND THE LIMITS OF PAY EXCAVATION INDICATED.



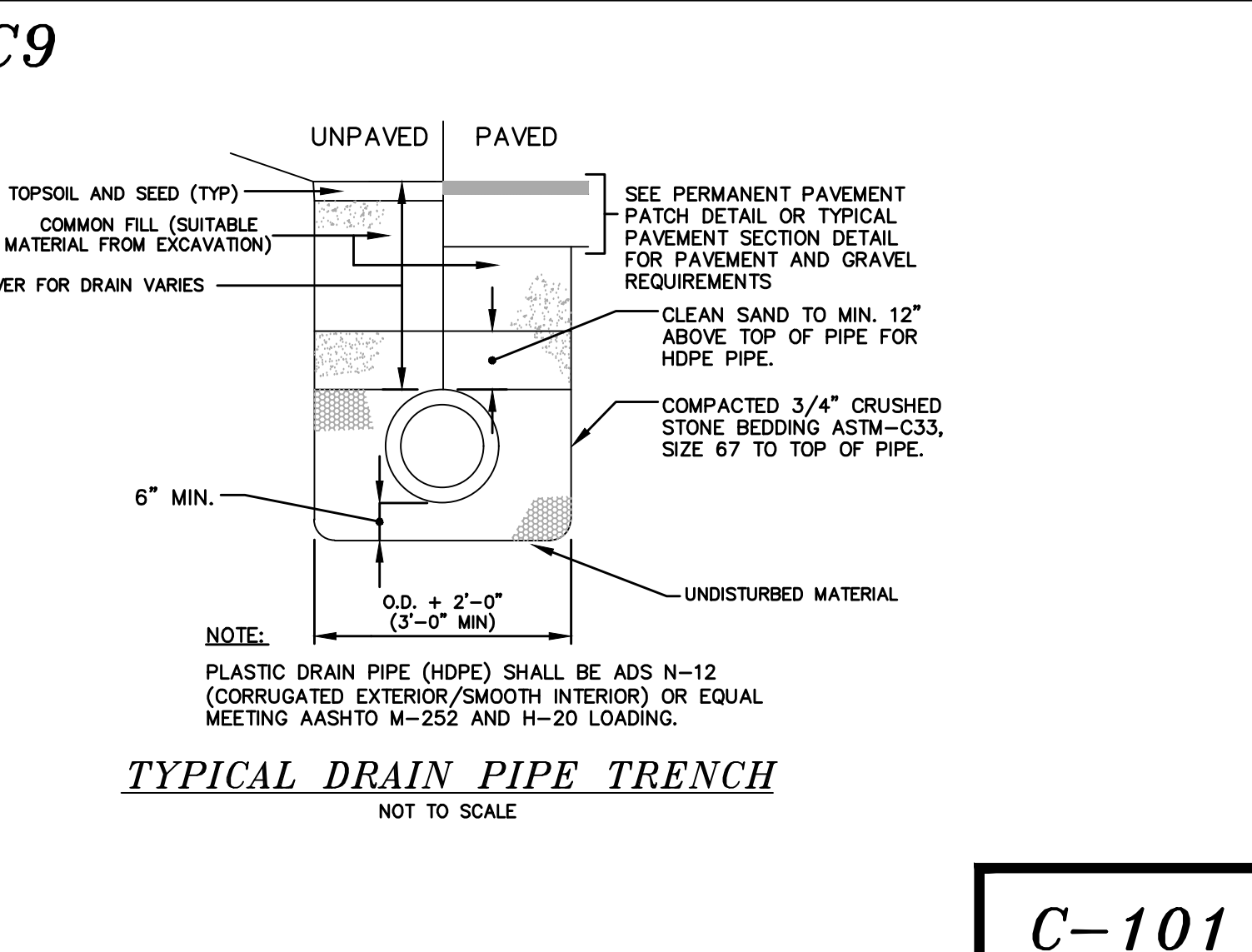
NOTES:
1.) PROVIDE TWO COATS OF PAINT ON ALL PARKING LINES.
2.) SEE PROPOSED SITE PLANS FOR LOCATION OF PARKING SPACES.
3.) PAINTED SPACES ONLY WHERE MARKED ON SITE PLAN



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BARRINGTON, NH 03825
TAX MAP 289 LOT 2 & MAP 285 LOT 1



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



TYPICAL DRAIN PIPE TRENCH
NOT TO SCALE

REVISION	DATE	DESCRIPTION
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

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BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
AS NOTED
DATE : AUGUST 13, 2018
FILE NO. : DB 2018 - 005

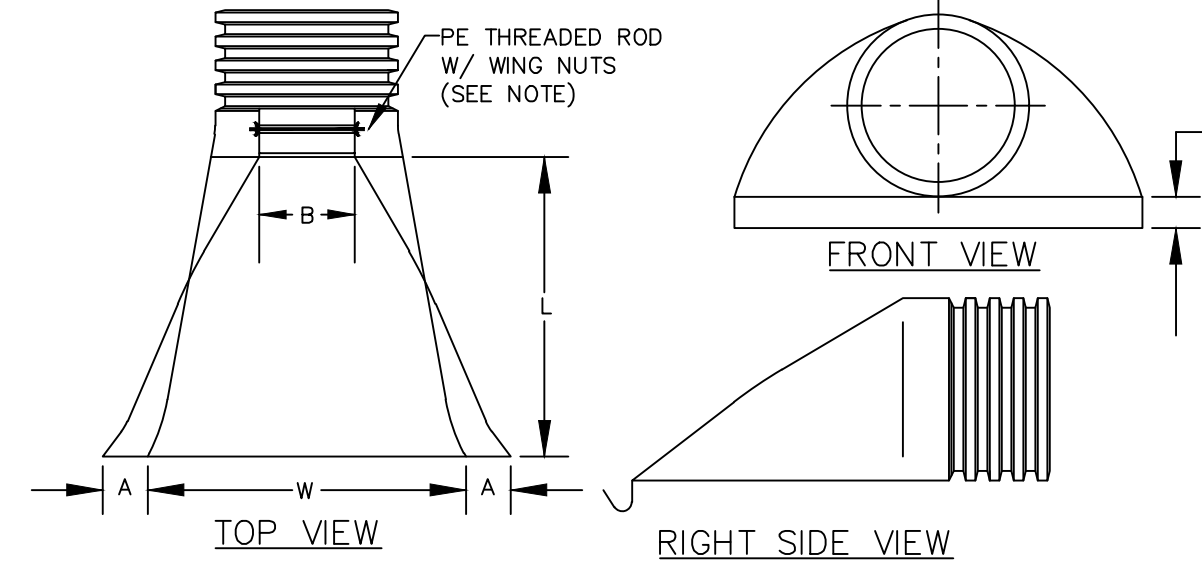
KENNETH A. BERRY
No. 7474
LICENSED PROFESSIONAL ENGINEER

C10

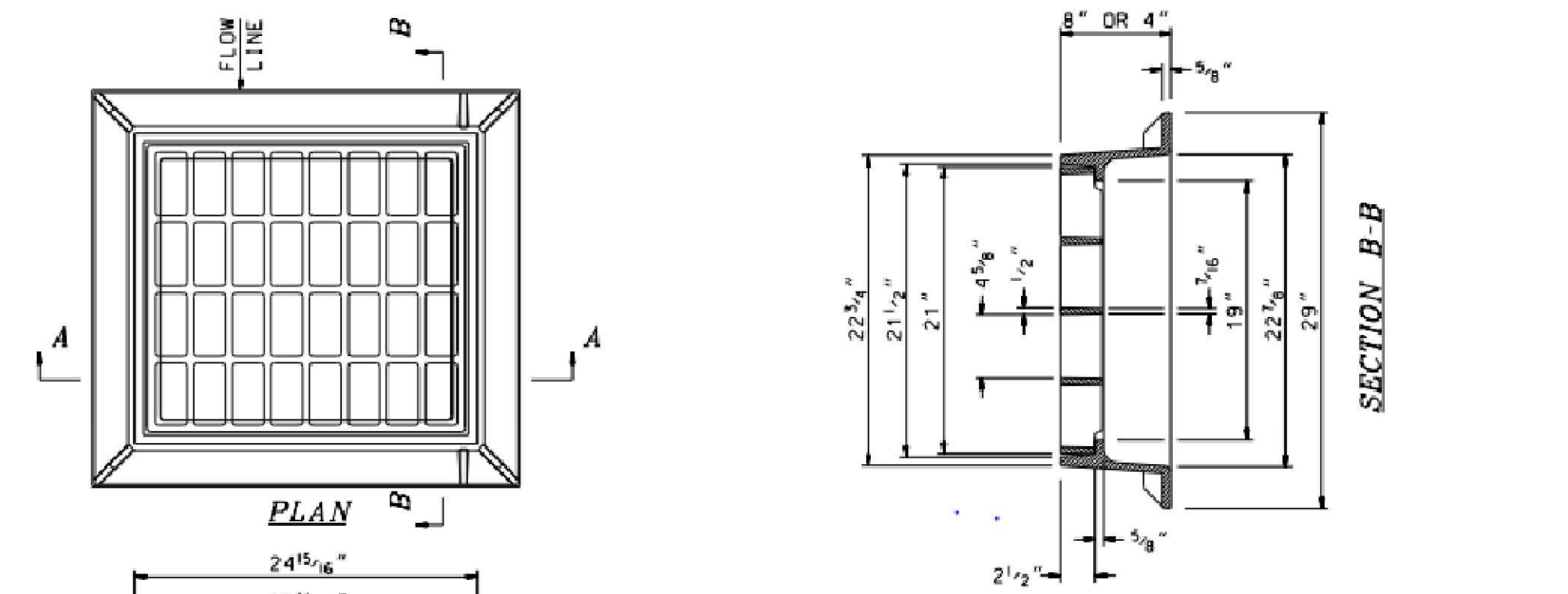
PART No.	PIPE SIZE	A	B(MAX)	H	L	W
1510-NP	15" 375 mm	6.5" 165 mm	10" 254 mm	6.5" 165 mm	25" 635 mm	29" 735 mm
1810-NP	18" 450 mm	7.5" 190 mm	15" 380 mm	6.5" 165 mm	32" 812 mm	35" 890 mm
2410-NP	24" 600 mm	7.5" 190 mm	18" 450 mm	6.5" 165 mm	36" 900 mm	45" 1140 mm
3010-NP	30" 750 mm	10.5" 266 mm	N/A	7.0" 178 mm	53" 1345 mm	68" 1725 mm
3610-NP	36" 900 mm	10.5" 266 mm	N/A	7.0" 178 mm	53" 1345 mm	68" 1725 mm

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

ADS N-12 FLARED END SECTIONS
NOT TO SCALE (ALL DIMENSIONS ARE NOMINAL)



C11

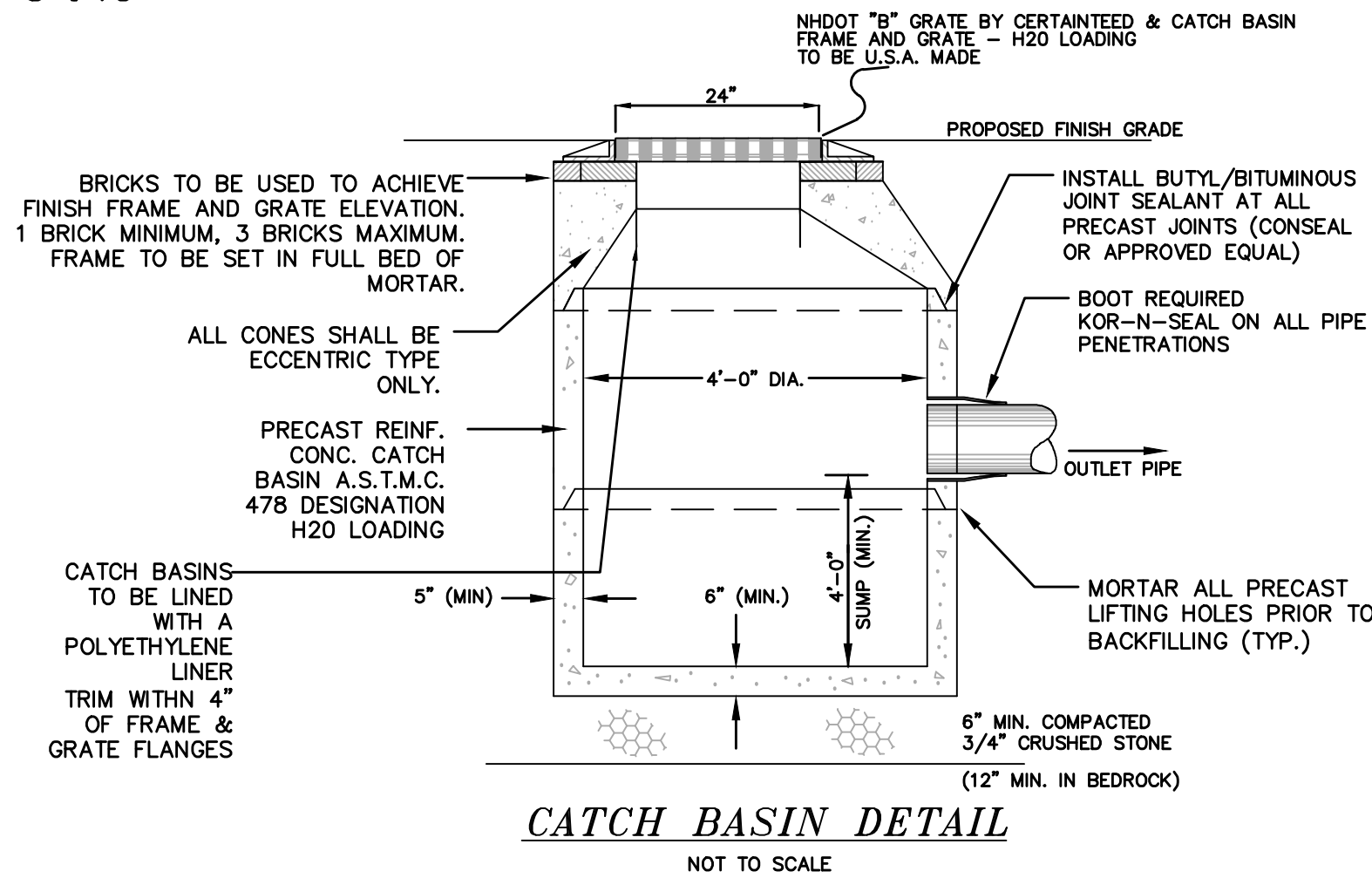


GENERAL NOTES

- ALL DIMENSIONS ARE NOMINAL.
- FRAMES USING NARROWER DIMENSIONS FOR THICKNESS ARE ALLOWED PROVIDED:
 - THE FRAMES MEET OR EXCEED THE SPECIFIED LOAD RATING.
 - THE INTERIOR PERIMETER (SEAT AREA) DIMENSIONS OF THE FRAMES REMAIN THE SAME TO ALLOW CONTINUED USE OF EXISTING GRATES/COVERS AS THE EXISTING FRAMES ALLOW, WITHOUT SHIMS OR OTHER MODIFICATIONS OR ACCOMMODATIONS.
 - ALL OTHER PERTINENT REQUIREMENTS OF THE SPECIFICATIONS ARE MET.
- FRAME AVAILABLE IN 4" OR 8" HEIGHTS.
- FREE OPEN AREA = 2.55 S.F.
- USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.

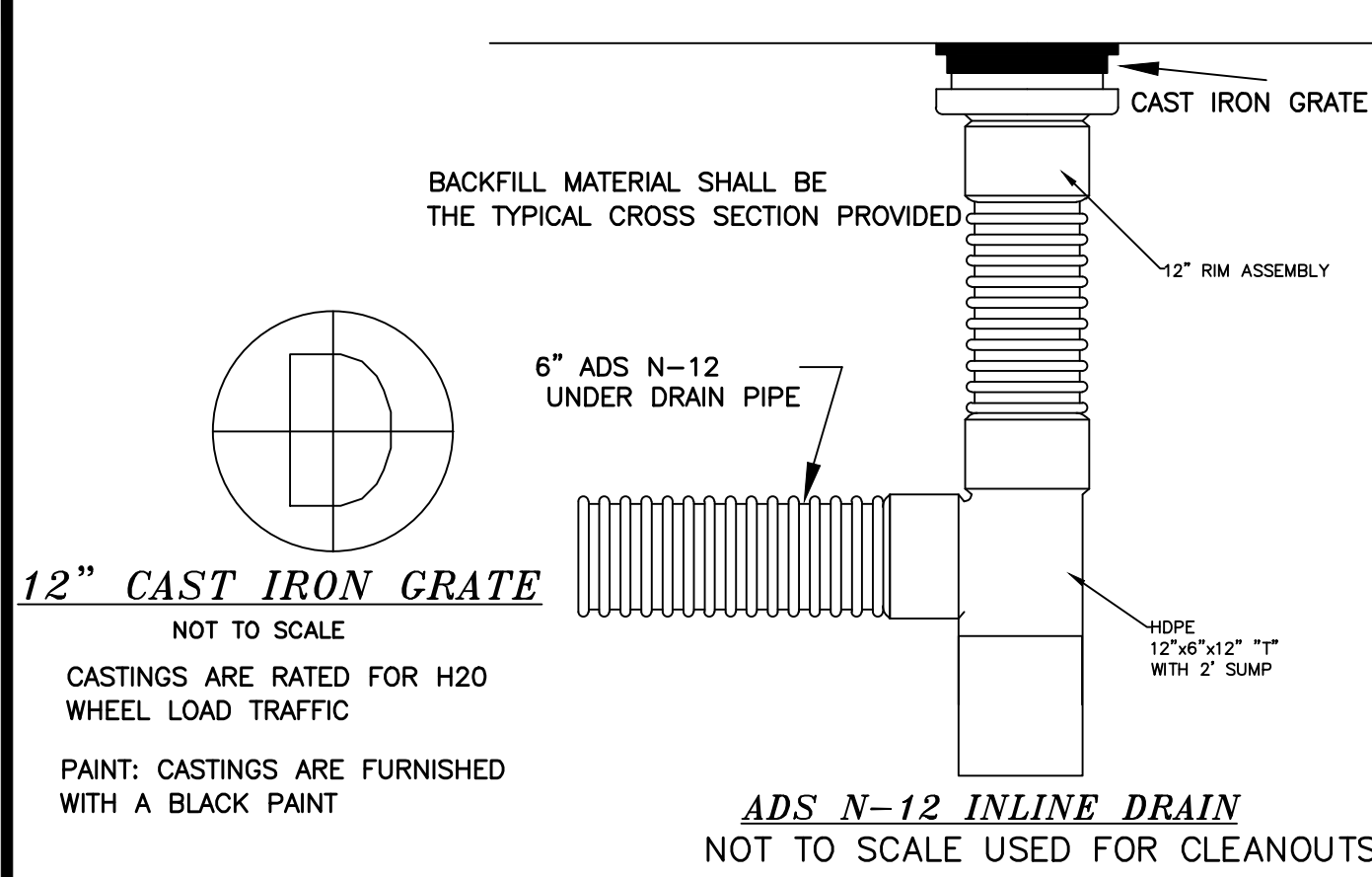
REV. DATE	PLATE
06-16-2010	2
08-14-2015	STANDARD DR-1

C12



CATCH BASIN DETAIL
NOT TO SCALE

C13

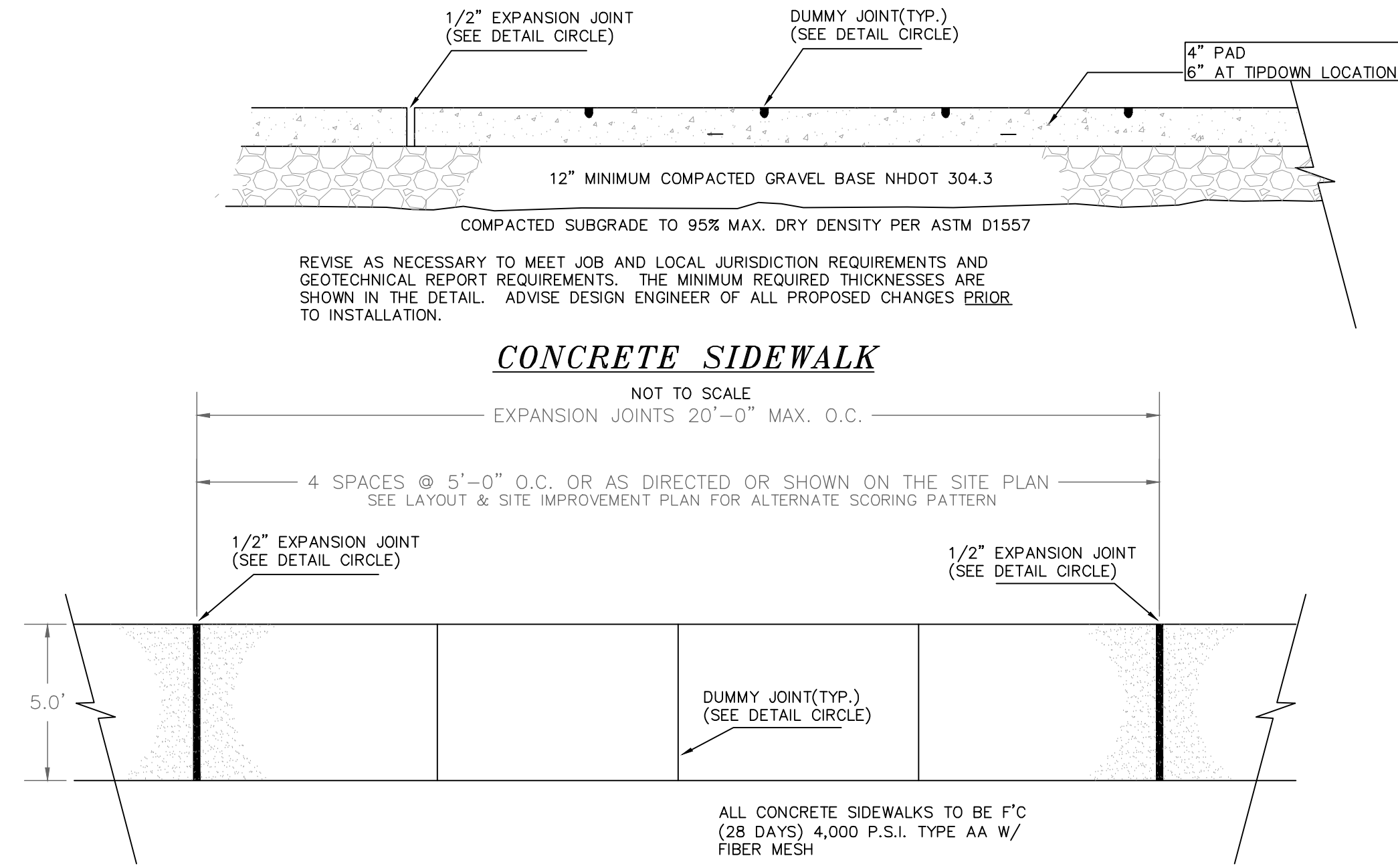


12" CAST IRON GRATE

NOT TO SCALE
CASTINGS ARE RATED FOR H20 WHEEL LOAD TRAFFIC
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT

ADS N-12 INLINE DRAIN
NOT TO SCALE USED FOR CLEANOUTS

C17

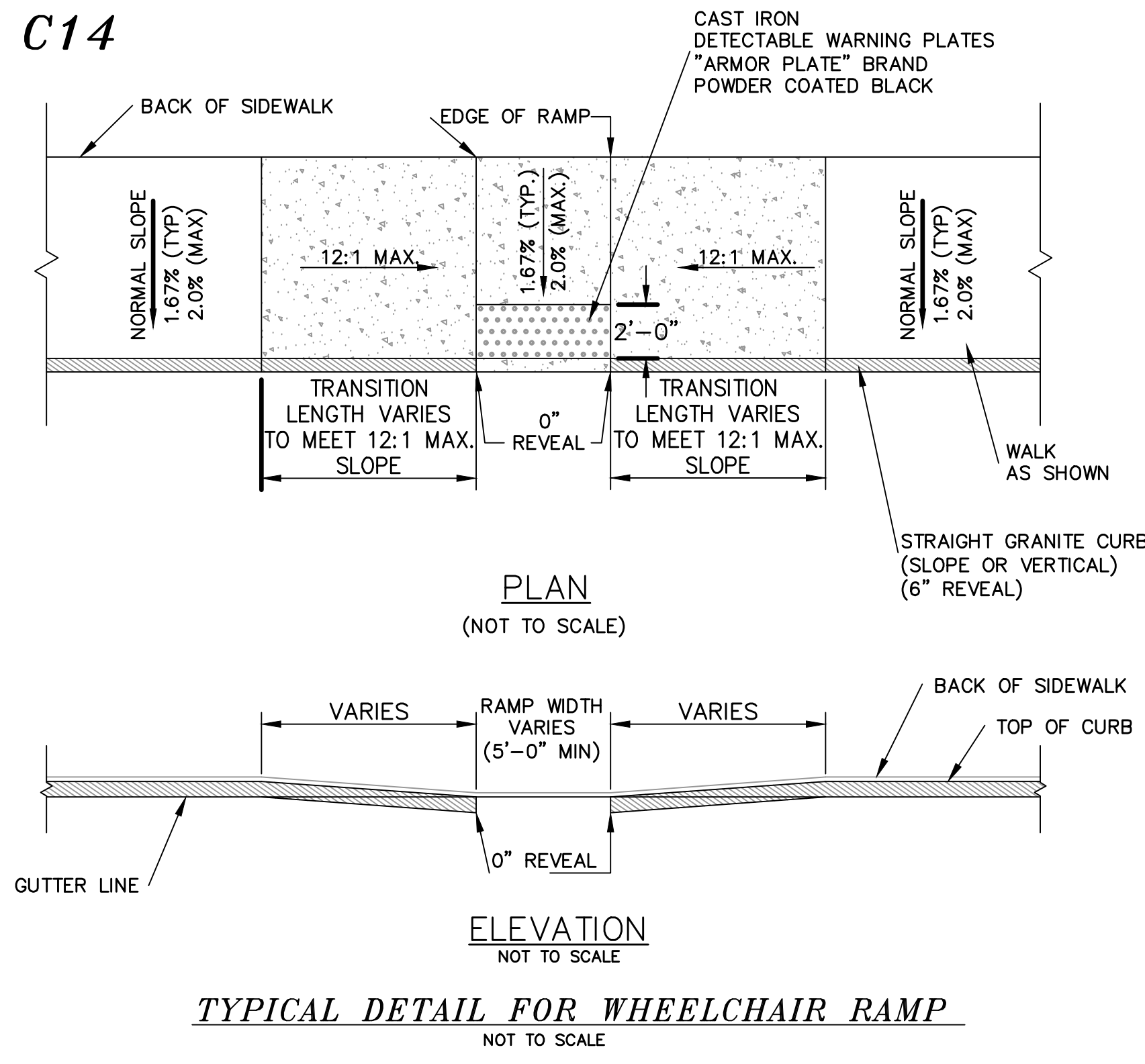


CONCRETE SIDEWALK

NOT TO SCALE
EXPANSION JOINTS 20'-0" MAX. O.C.

ALL CONCRETE SIDEWALKS TO BE F'C (28 DAYS) 4,000 P.S.I. TYPE AA W/ FIBER MESH

C14

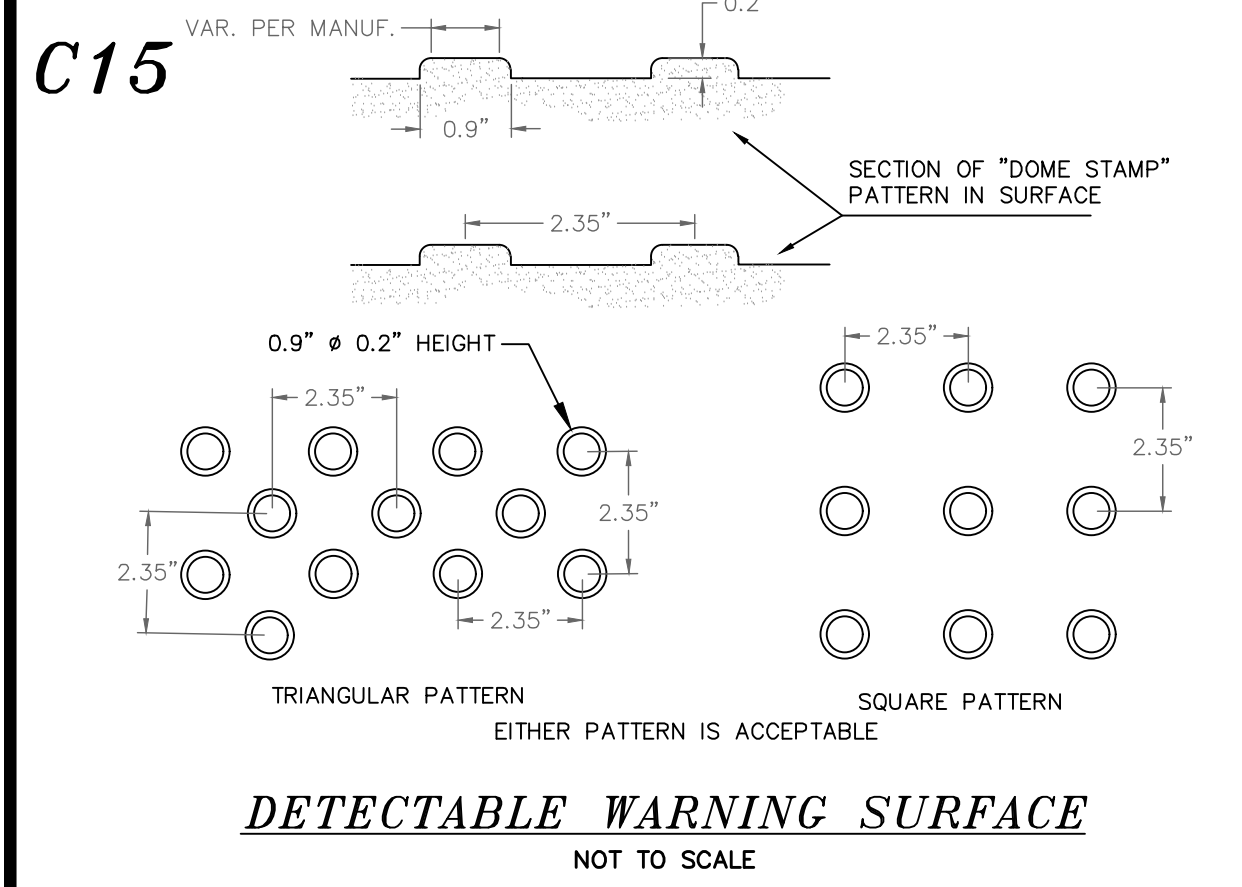


PLAN
NOT TO SCALE

ELEVATION
NOT TO SCALE

TYPICAL DETAIL FOR WHEELCHAIR RAMP
NOT TO SCALE

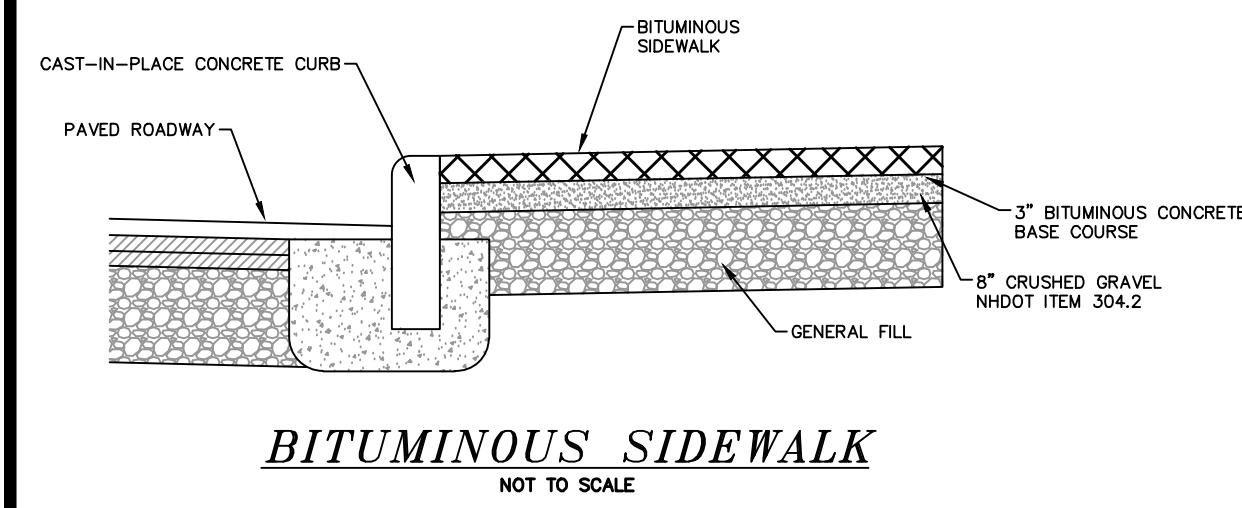
C15



DETECTABLE WARNING SURFACE

NOT TO SCALE

C16



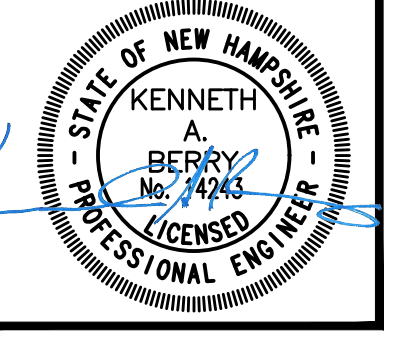
BITUMINOUS SIDEWALK

NOT TO SCALE

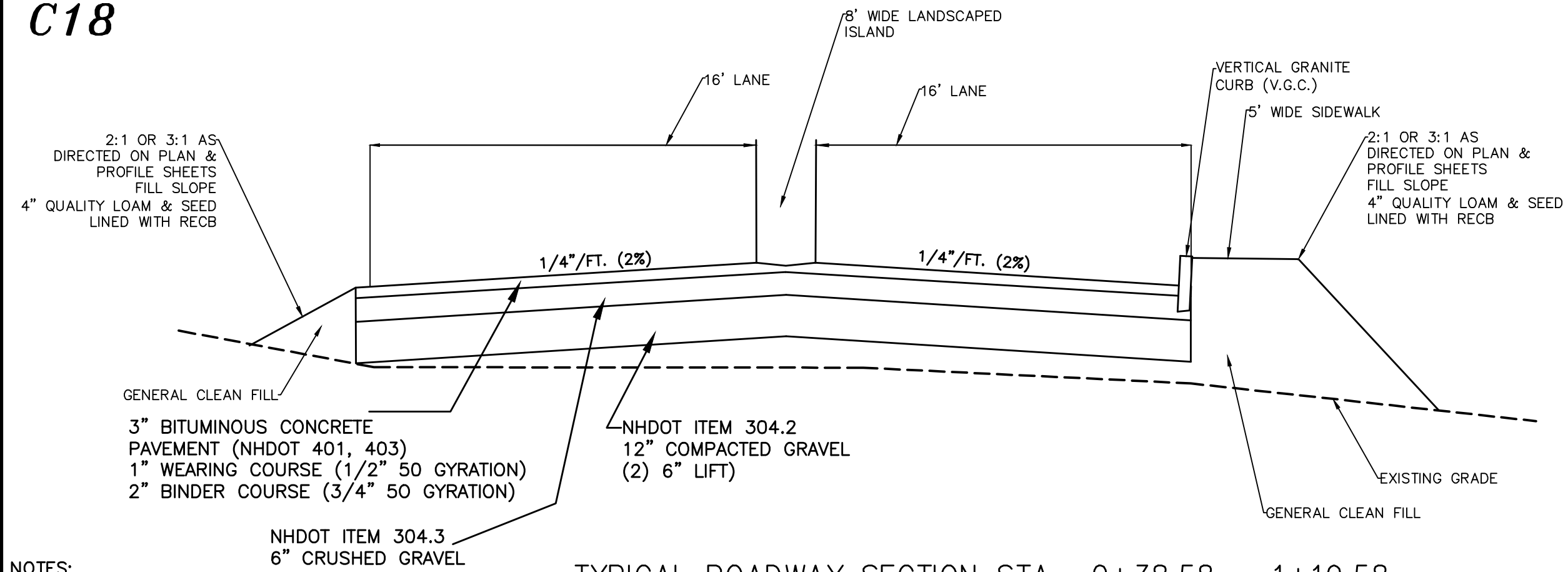
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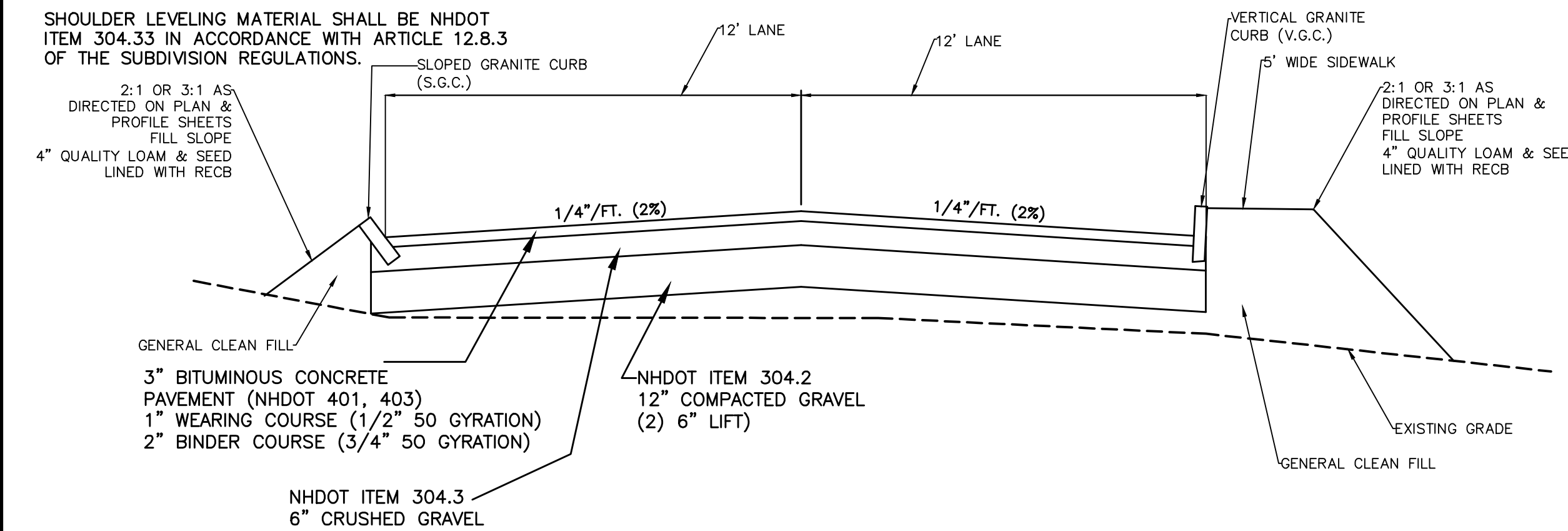
C18



NOTES:
COMPACTION SHALL BE PERFORMED UNTIL 95% OF MAXIMUM DRY DENSITY IS ACHIEVED IN ACCORDANCE WITH AASHTO T99 AS REQUIRED IN ARTICLE 12.8 OF THE SUBDIVISION REGULATIONS.

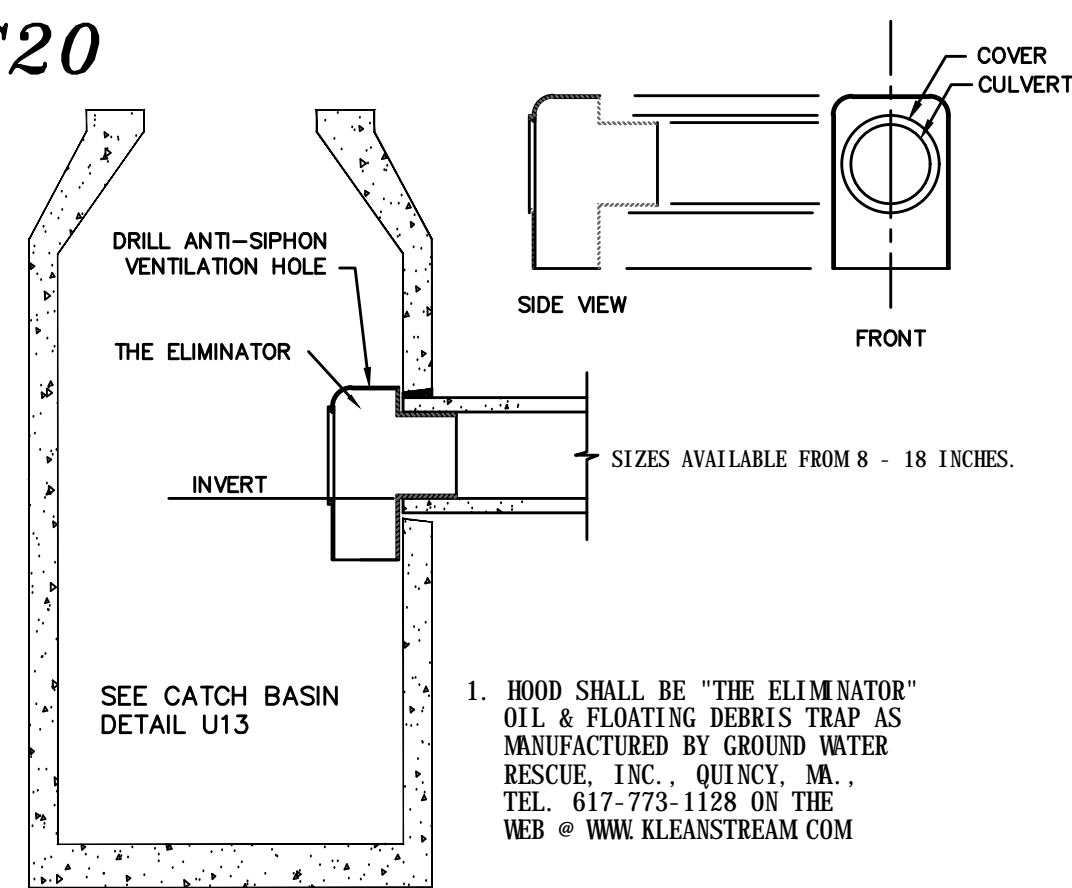
SHOULDER LEVELING MATERIAL SHALL BE NHDOT ITEM 304.33 IN ACCORDANCE WITH ARTICLE 12.8.3 OF THE SUBDIVISION REGULATIONS.

TYPICAL ROADWAY SECTION STA.: 0+38.58 - 1+19.58

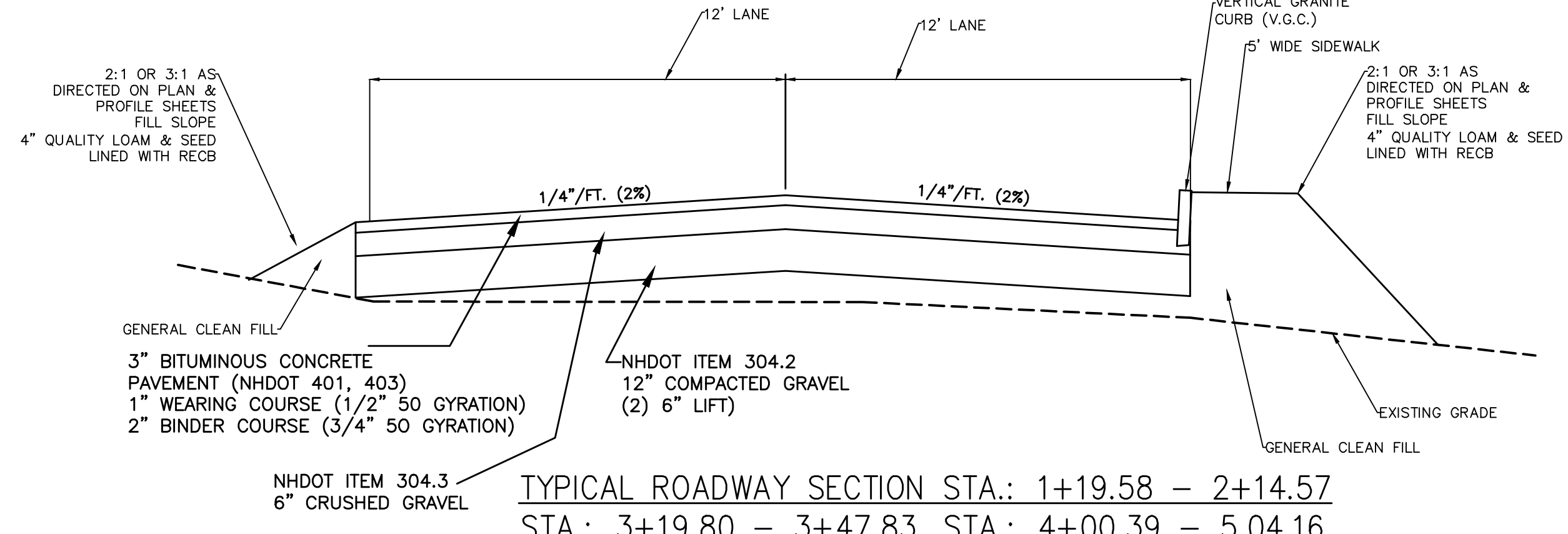


TYPICAL ROADWAY SECTION STA.: 2+84.80 - 3+19.80

C20

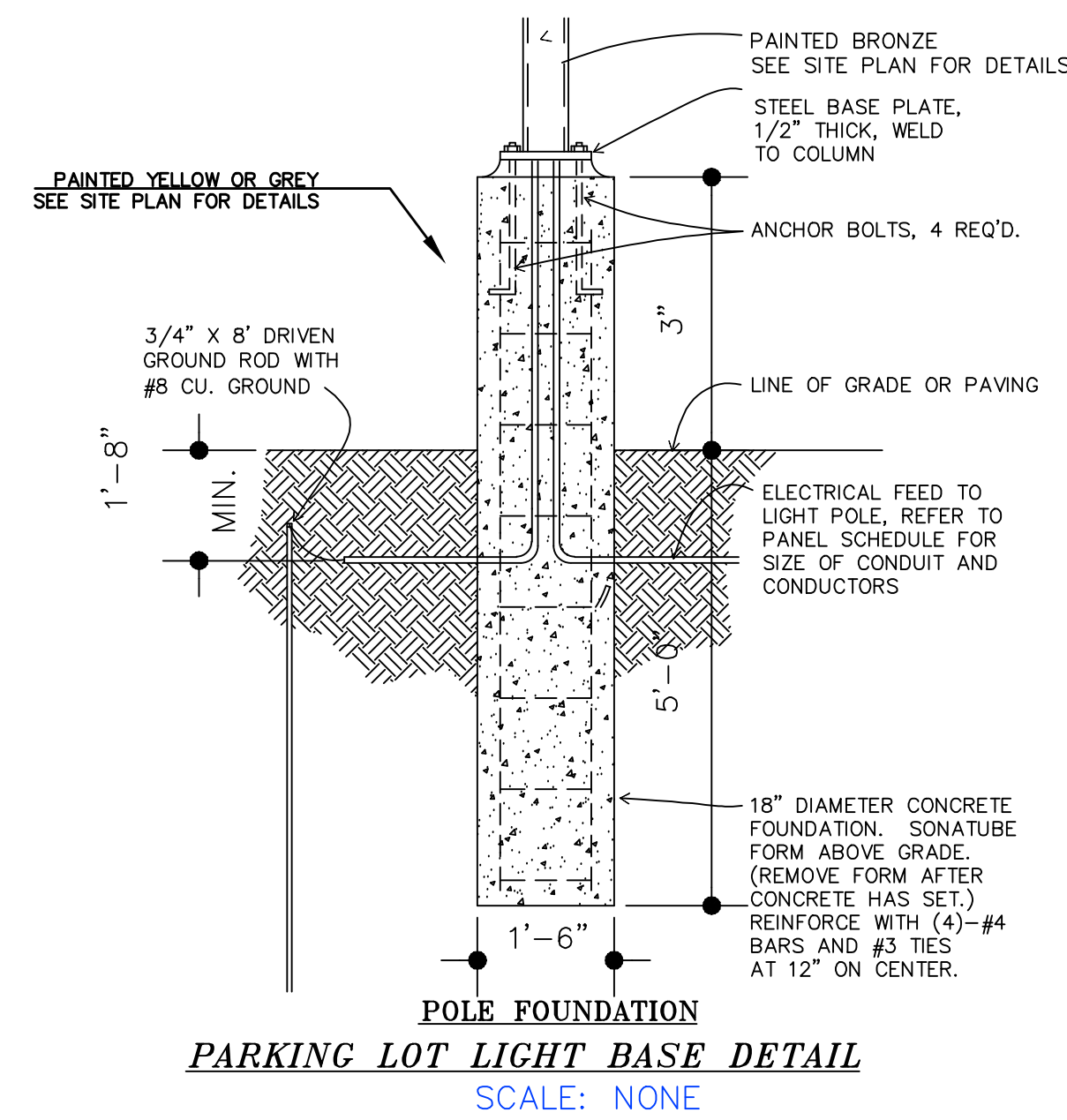


CATCH BASIN HOOD DETAIL
NOT TO SCALE



TYPICAL ROADWAY SECTION STA.: 1+19.58 - 2+14.57
STA.: 3+19.80 - 3+47.83, STA.: 4+00.39 - 5.04.16

C19



POLE FOUNDATION
PARKING LOT LIGHT BASE DETAIL
SCALE: NONE

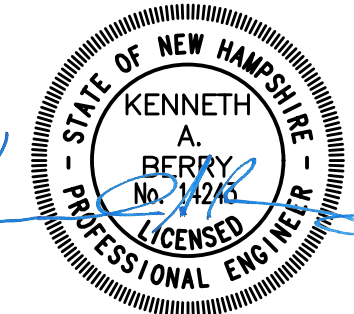


PARKING LOT LAMP "A"
SCALE: NONE

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C-103