

Seth Creighton, Chiefplemer

ICE OF DECISION APPLICATION OF ROCHESTER

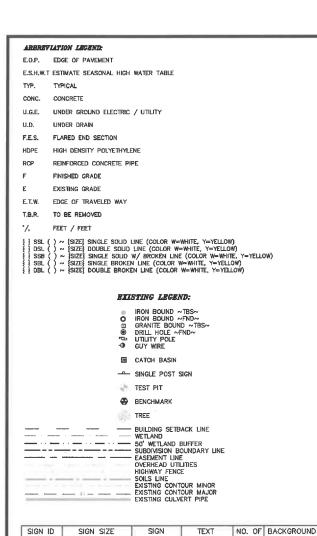
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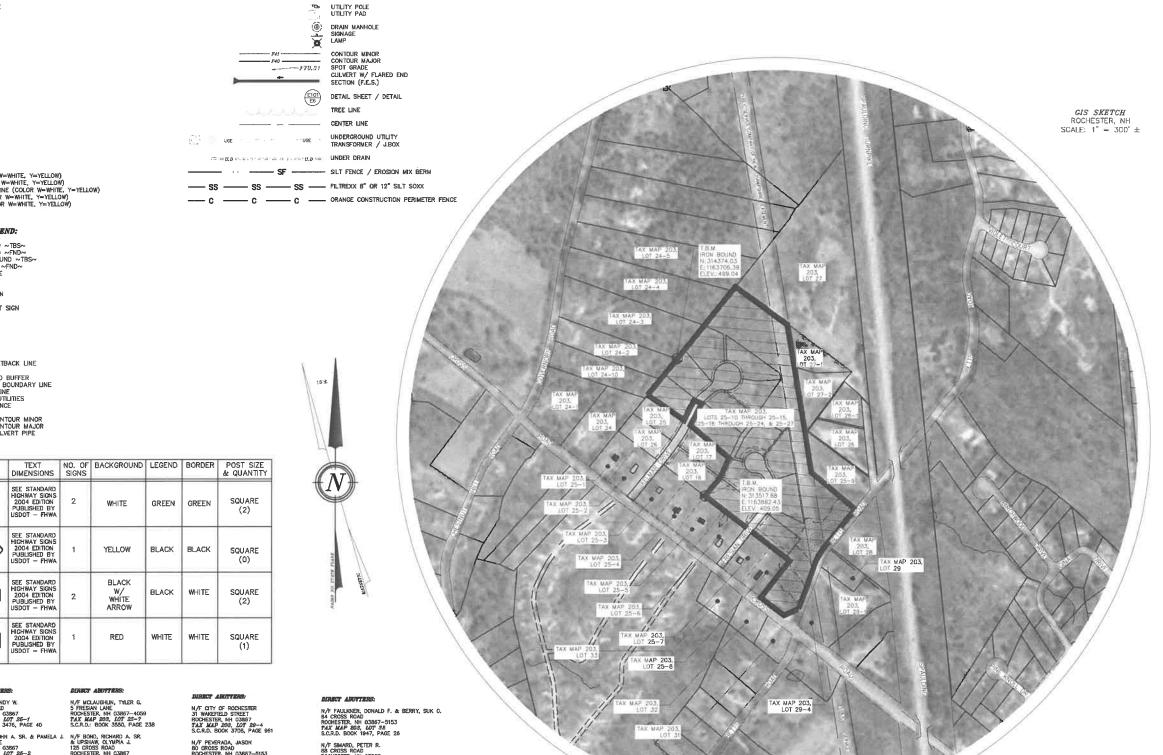
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10-9-20 B-31-20 5-19-20

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	R2-1	12"x18"	SPEED LIMIT 25	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT — FHWA	2	WHITE	GREEN	GREEN	SQUARE (2)
	W14-1	30"x30°	DEAD END	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT — FHWA	1	YELLOW	BLACK	BLACK	SQUARE (0)
	R6-1R	36"x12"	[TXI: WA]	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT — FHWA	2	BLACK W/ WHITE ARROW	BLACK	WHITE	SQUARE (2)
	R1-1	30"x30"	STOP	SEE STANDARO HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT — FHWA	1	RED	WHITE	WHITE	SQUARE (1)

DIRECT ARTTERNS

N/F BARTLETT, WADE D. & CONNIE D. 179 CROSS ROAD ROCHESTER, NH D3887 TAX KLP 203, LDT 24 S.C.R.D. BOOK 3500, PAGE 894

NUMBER (WIDTH X HEIGHT)

N/F MAGEE, JOSEPH D. & KAREN A. 19 GOVERNORS ROAD ROCHESTER, NH D3867-5179 TAX MAP 203, LOT 24-2 S.C.R.D. BOOK 4389, PAGE 627

N/F JAMES, TIMOTHY & ALLINSION, CHRISTINA 7 KELMAR DRIVE ROCHESTER, NH 03887 7AX MAP 203, LOT 24-8 S.C.R.D. BOOK 4706, PAGE 355

N/F SUTTON, DAVID A. & LAURA A. F O BOX 154 ROCHESTER, NH O3866-0154 TAX MAP 203, LOT 24-4 S.C.R.D. BOOK 2958, PAGE 205

N/F KRAUSS, RICHARD & AIMEE 47 GOVERNORS ROAD ROCHESTER, NH 03887—5179 TAX MAP 203, LOT 24—6 S.C.R.D. BOOK 4501, PAGE 911

N/F RYDER, RANDY W. 173 CROSS ROAD ROCHESTER, NH G3867 FAX MAP 208, LOT 26-1 S.C.R.D. BOOK 3476, PAGE 40

N/F MAGUIRE, MATTHEW L. & DAVEY MAGUIRE, L'INN A. 159 CROSS ROAD ROCHESTER. NH 03867 TAX MAP 203, LOT 26-5 S.C.R.D. BOOK 4625, PAGE 191

N/F JACKSON, JEFFREY M. & KACIE 148 CROSS ROAD ROCHESTER, NH 03867-5115 TAX MAP 203, LOT 26-4 S.C.R.D. BOOK 4557, PAGE 484

N/F DEMERATH, CALVIN J. 145 CROSS ROAD ROCHESTER, NH 03867-5115 TAX MAP 203, LOT 26-6 S.C.R.D. BOOK 4215, PAGE 217

N/F BECTON, HOLLY & TIMOTHY 6 FRESIAN LANE ROCHESTER, NH 03867-4487 FAX MAP 203, LOT 25-6 S.C.R.D.: BOOK 4682, PAGE 791

N/F MCLAUGHLIN, TYLER G. 5 FRESIAN LANE ROCHESTER, NH 03867—4059 TAX MAP 203, LOT 25-7 S.C.R.D.: 800K 3550, PAGE 238

N/F BOND, RICHARD A. SR. & UPSHAW, CLYMPIA J. 125 CROSS ROAD ROCHESTER, NI 03867 TAX MAP 209, LOT 25-8 S.C.R.D.: BOOK 3530, PAGE 505

N/F STOODLEY, ROBERT P. III 80 BETTS ROAD ROCHESTER. NH 03867-5177 TAX MAP 203, LOT 26-9 S.C.R.D. BOOK 382, PAGE 853

N/F BAILEY, MARTHA 61 BETTS ROAD ROCHESTER, NH 03867-5178 TAX MAP 208, LOT 28 S.C.R.D. BOOK 4707, PAGE 268

N/F SMILEY, GRACE R. & JEREMY M. 57 BETTS ROAD ROCHESTER, NH O3867-5178 TAX MAP 203, LOT 29 S.C.R.D. BOOK 4314, PAGE 2 N/F GREEN, TIMOTHY D. & ELIZABETH 59 BETTS ROAD ROCHESTER, NH 03867-5178 FAX MAP 203, LOT 29-1 S.C.R.D. BOOK 4108, PAGE 313

N/F PEVERADA, JASON 80 CROSS ROAD ROCHESTER, NH 03867-5153 TAX MAP 203, LOT 31 S.C.R.D. BOOK 4717, PAGE 248

N/F FAULKNER, DONALD F. & BERRY, SUK C. 84 CROSS ROAD ROCHESTER, NH 03887-5153 TAX MAP 203, LOT 82 S.C.R.D. BOOK 1947, PAGE 26

N/F SIMARD, PETER R. 88 CROSS ROAD ROCHESTER, NH 03867 TAX MAP 203, LOT 33 S.C.R.D. BOOK 3233, PAGE 797 N/F AUSTIN, RICHARD A. & VICKIE K. 49 BETTS ROAD ROCHESTER, NH 03867-5140 TAX MAP 203, LOT 84 S.C.R.D. BOOK 4254, PAGE 223

N/F AUBERT, THOMAS R. & DIANNE C. 5 GARY DRIVE ROCHESTER, NH D3867 TAX MAP 203, LOT 28 S.C.R.D. BOOK 3710, PAGE 288

N/F AUBERT, THOMAS R. & DIANNE C. 5 GARY DRIVE ROCHESTER, NH 03867 FAI MAP 208, LOT 28 S.C.R.D. BOOK 3710, PAGE 286

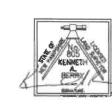
N/F SIMARD, PETER R. 8B CROSS ROAD ROCHESTER, NH 03867 TAX MAP 208, LOT 33 S.C.R.D. BOOK 3233, PAGE 797

PROPOSED LEGEND:

N/F AUSTIN, RICHARD A. & VICKIE K. 49 BETTS ROAD ROCHESTER, NH 03887-5140 TAX MAP 208, LOT 54 S.CR.D. BOOK 4254, PAGE 223

N/F NORMAND, PAUL H. & SUE C. 52 POND VIEW LANE ROCHESTER, NH 03867 FAX MAP 205, LOT-28-1 S.C.R.D. BOOK 2783, PAGE 648

N/F NORMAND, PAUL H. & SUE C. 52 POND VIEW LANE ROCHESTER, NH 03887 TAX MAP 20S. LOTS 27, 27-1 & 27-2 S.C.R.D. BOOK 3804, PAGE 67





HC R NEIGHBORHOOD PLAN LAND OF KEL-MAR INVESTMENTS, LI KELMAR DRIVE & FRESIAN DI TAX MAP 203 ROUCH 26-16, 26-18 THROU

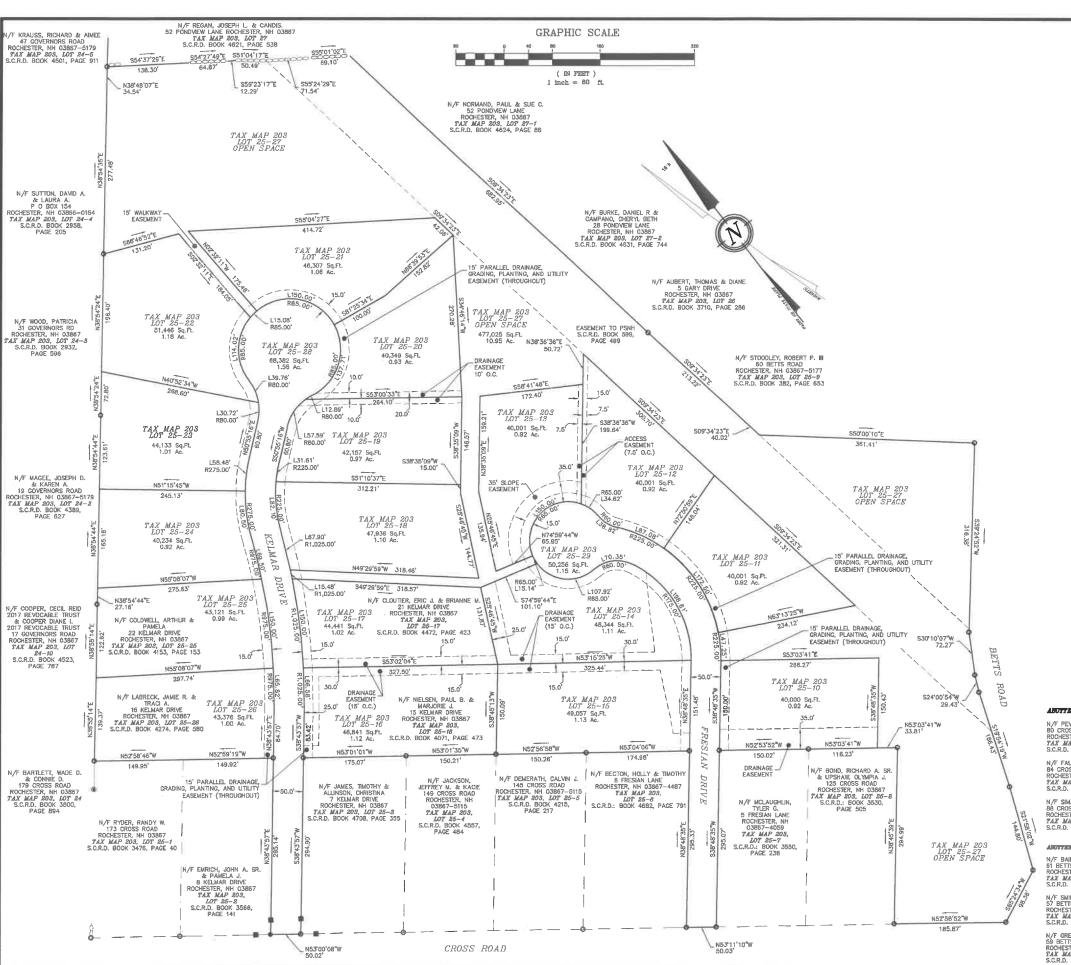
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35 SECOND CROWN POINT ROAD
310 STORY NH 03825 (603)332-2863
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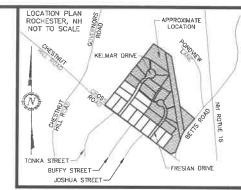
MARCH 10, 2020

BERRY
335 SECC
BARRINGTON
SCALE :
DATE :



SHEET 1 OF 29





NOTES:

KEL-MAR INVESTMENTS, LLC 206 SIXTH STREET DOVER, NH 03820 1.) OWNER:

- 2.) TAX MAP 203, LOTS 25-10 THROUGH 25-15, 25-18 THROUGH 25-24, & 25-27
- 3.) LOT AREA: 1,345,411 SQ, FT., 30,88 AC.
- 4.) S.C.R.D. BOOK 3483, PAGE 521

5.) ZONING: ~A~ AGRICULTURAL
SETBACKS:
FRONTAGE: 150 FEET, MINIMUM
MIN. LOT AREA: 40,000 SQUARE FEET
FRONT SETBACK: 25 FEET
SIDE SETBACK: 25 FEET
REAR SETBACK: 50 FEET
WETLANDS SETBACK: 50 FEET

- 6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDCE & BELIEF, PART OF THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# 33017C0201D, DATED: MAY 17, 2005.
- 7.) VERTICAL DATUM BASED ON NAVD8B ELEVATIONS, HORIZONTAL COORDINATES BASED ON NADB3. COORDINATES ARE BASED ON THE CITY OF ROCHESTER GIS SYSTEM AND GPS CONTROL POINT NETWORK AS OF 2007.
- 8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN FEBRUARY OF 2007, WITH AN ERROR OF CLOSURE OF NO GREATER THAN 1 PART IN 10,000.
- 9.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING BOUNDARY OF TAX MAP 203, LOTS 25-10 THROUGH 25-15 & 25-18 THROUGH 25-24.

LEGEND:

-0000000000000 ------S.C.R.D. TYP. FND TBS

STONE WALL BOUNDARY LINE BOUNDARY LINE
EASEMENT LINE
ABUTTER BOUNDARY LINE
STRAFFORD COUNTY REGISTRY OF DEEDS
TYPICAL
FOUND
TO BE SET

ABUTTERS ACROSS THE ROAD, CROSS ROAD:

N/F PEVERADA, JASON 80 CROSS ROAD ROCHESTER, NH 03887-5153 TAX MAP 203, 207 87 S.C.R.D. BOOK 4717, PAGE 248

N/F FAULKNER, DONALD F. & BERRY, SUK C. 84 CROSS ROAD ROCHESTER, NH 03867-5153 TAX MAP 203, LOT 32 S.C.R.D. BOOK 1947, PAGE 26

N/F SIMARD, PETER R. 8B CROSS ROAD ROCHESTER, NH 03867 TAX MAP 203, LOT 38 S.C.R.D. BOOK 3233, PAGE 797

N/F BAILEY, MARTHA 61 BETTS ROAD ROCHESTER, NH 03867-5178 TAX MAP 203, LOT 28 S.C.R.D. BOOK 4707, PAGE 266

N/F SMILEY, GRACE R. & JEREMY M. 57 BETTS ROAD ROCHESTER, NH 03867-5178 TAX MAP 203, LOT 29 S.C.R.D. BOOK 4314, PAGE 2

N/F GREEN, TIMOTHY D. & ELIZABETH K. S9 HE ITS ROAD ROCHESTER, NH 03867-5178 TAX MAP 203, LOT 29-1 S.C.R.D. BOOK 4108, PAGE 313

PLAN REPERENCES

- 1.) "SUBDIVISION OF LAND ROSE REALTY LLC" BY: NORWAY PLAINS ASSOCIATES DATED: MARCH 2002 S.C.R.D. PLAN #67-63
- 2.) "PROPOSED MAJOR SUBDIVISION FOR KEL-MAR LLC, BETTS ROAD & CROSS ROAD, ROCHESTER, N.H., TAX MAP 203, LOT 25" BY: BERRY SURVEY & ENGINEERING DATE: AUGUST 24, 2007 S.C.R.D. PLAN ≱87-4-4
 ON FILE AT THIS OFFICE
- 3.) "PROPOSED MAJOR SUBDIVISION FOR KEL-MAR LLC, BETTIS ROAD & CROSS ROAD, ROCHESTER, N.H., TAX MAP 203, LOT 25" BY: BERRY SURVEY & ENGINEERING DATES: JUNE 20, 2008 S.C.R.D. PLAN #37-43 ON FILE AT THIS OFFICE

I CERTIFY THAT THIS PLAT EXCEEDS THE MANUA RECUMPEMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF HIM AND OF THE TOWN OF ROCHESTER, N.H .- 1:10,000 . 52/2 10-9-20

KENNETH A. BERRY LLS 805

-No. 805 KENNETH SHEET 2 OF 29

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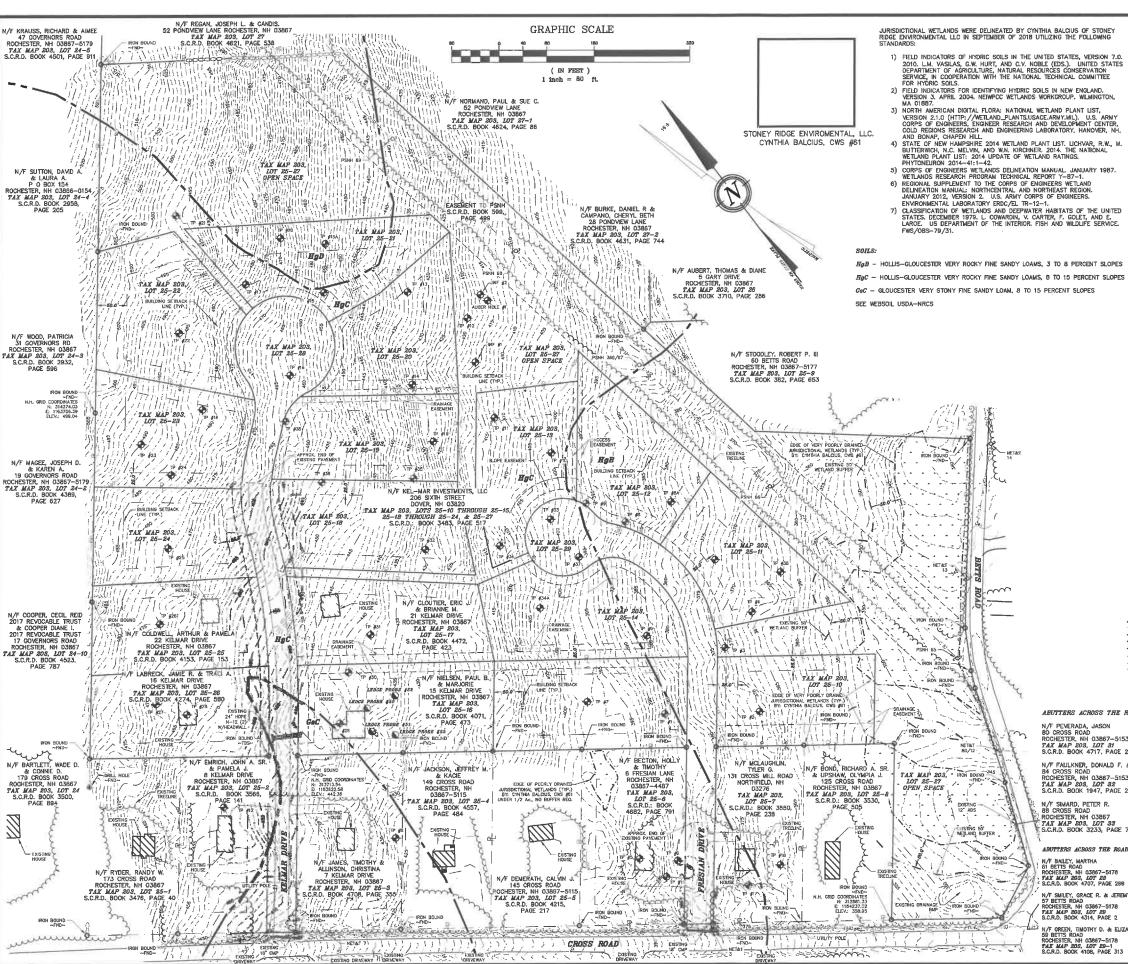
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JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN SEPTEMBER OF 2018 UTILIZING THE FOLLOWING

- FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. LM. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES OFPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.

HgB - HOLLIS-GLOUCESTER VERY ROCKY FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES RaC - HOLLIS-GLOUCESTER VERY ROCKY FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES

GSC - GLOUCESTER VERY STONY FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES

LOCATION PLAN ROCHESTER, NH NOT TO SCALE LOCATION TONKA STREET FRESIAN DRIVE BUFFY STREET JOSHUA STREET-

KEL-MAR INVESTMENTS, LLC 206 SIXTH STREET DOVER, NH 03820 1.) OWNER:

- 2.) TAX MAP 203, LOTS 25-10 THROUGH 25-15, 25-18 THROUGH 25-24, & 25-27
- 3.) LOT AREA: 1,345,411 SQ. FT., 30.88 AC.
- 4.) S.C.R.D. BOOK 3483, PAGE 521
- 5.) ZONING: ~A~ AGRICULTURAL

: MAX AGRICULTURAL SETBACKS: FRONTAGE: 150 FEET, MINIMUM MIN. LOT AREA: 40,000 SQUARE FEET FRONT SETBACK: 35 FEET SIDE SETBACK: 35 FEET REAR SETBACK: 50 FEET WETLANDS SETBACK: 50 FEET

- 5.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, PART OF THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# —3301: MAP# = 33017C0201D, DATED: MAY 17, 2005.
- 7.) VERTICAL DATUM BASED ON NAVDBB ELEVATIONS. HORIZONTAL COORDINATES BASED ON NADB3. COORDINATES ARE BASED ON THE CITY OF ROCHESTER GIS SYSTEM AND GPS CONTROL POINT NETWORK AS OF 2007.
- 8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN FEBRUARY OF 2007, WITH AN ERROR OF CLOSURE OF NO GREATER THAN 1 PART IN 10,000.
- 9.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON TAX MAP 203, LOTS 25-10 THROUGH 25-15 & 25-15 THROUGH 25-24 AS OF THE SUMMER OF 2018. THE LOT LINES REPRESENTED ARE THOSE OF CURRENTLY RECORDED APPROVED SUBDIVISION PLANS REF. 22 & 43.
- 10.) THE EXISTING IMPERVIOUS AREA ON LOT = 38,761 Sq.Ft. (2.88% OF LOT).
- 11.) THE AREA & TITLE LISTED FOR THE REMAINING LAND OF KEL-MAR ARE BASED ON 2008 LAND HOLDINGS OF KEL-MAR INVESTMENTS, LLC. LOTS 25-16, 29-17, 25-26 & 25-26 HAVE SUBSEQUENTLY BEEN SOLD AND THE TITLE REFERENCE AND AREAS ARE LISTED OVER THE FOUR LOTS.

LEGEND:

- IRON BOUND ~FND~ DRILL HOLE ~FND~ UTILITY POLE/GUY WIRE TEST PIT (TP) BENCHMARK
- NRCS SOIL DELINEATION LINE STONE WALL 0000000000000 WETI AND LINE 50' WETLAND BUFFER SURDIVISION BOUNDARY LINE -----

EASEMENT LINE BUILDING SETBACK LINE OVERHEAD UTILITIES LINE STRAFFORD COUNTY REGISTRY OF DEEDS TYPICAL FOUND TO BE ABANDONED S.C.R.D. TYP. FND TBA

ABUTTERS ACROSS THE ROAD, CROSS ROAD:

N/F PEVERADA, JASON 80 CROSS ROAD ROCHESTER, NH 03867-5153 TAX MAP 203, LOT 81 S.C.R.D. BOOK 4717, PAGE 248

N/F FAULKNER, DONALD F. & BERRY, SUK C. 84 CROSS ROAD ROCHESTER, NH 03867-5153 TAX MAP 208, LOT 82 S.C.R.D. BOOK 1947, PAGE 26

N/F SIMARD, PETER R. 8B CROSS ROAD ROCHESTER, NH 03867 TAS MAP 203, LOT 33 S.C.R.D. BOOK 3233, PAGE 797

ABUTTERS ACROSS THE ROAD, BETTS ROAD:

N/F BAILEY, MARTHA 81 BETTS ROAD ROCHESTER, NH 03867-5178 TAX MAP 203, LOT 28 S.C.R.D. BOOK 4707, PAGE 286

N/F SMILEY, GRACE R. & JEREMY N 57 BETTS ROAD ROCHESTER, NH 03867—5178 TAX MAP 203. LOT 29 S.C.R.D. BOOK 4314, PAGE 2

N/F GREEN, TIMOTHY D. & ELIZABETH K. 59 BETTS ROAD ROCHESTER, NH 03867—5178 TAI MAP 20S, LOT 29—1 S.C.R.D. BOOK 4108, PAGE 313

- 1.) "SUBDIVISION OF LAND ROSE REALTY LLC"
 BY: NORWAY PLAINS ASSOCIATES DATED: MARCH 2002 S.C.R.D. PLAN #67-63
- "PROPOSED MAJOR SUBDIVISION FOR
 KEL-MAR LLC, BETTS ROAD & CROSS ROAD,
 ROCHESTER, N.H., TAX MAP 203, LOT 25"
 BY: BERRY SURVEY & ENGINEERING
 DATED: AUGUST 24, 2007
 S.C.R.D. PLAN #87-44
 ON FILE AT THIS OFFICE
- 3.) "PROPOSED MAJOR SUBDIVISION FOR KEL-MAR LLC, BETTS RDAD & CROSS ROAD, ROCHESTER, N.H., TAX MAP 203, LOT 25" BY: BETRY SURVEY & ENGINEERING DATED: JUNE 20, 2008 S.C.R.D. PLAN #97-43 ON FILE AT THIS OFFICE

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMALA RECORREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF NAL AND OF, THE TOWN OF ROCHESTER, N.H.- 1:10,000 -012 10-9-20 The same KENNETH A. BERRY LLS 805

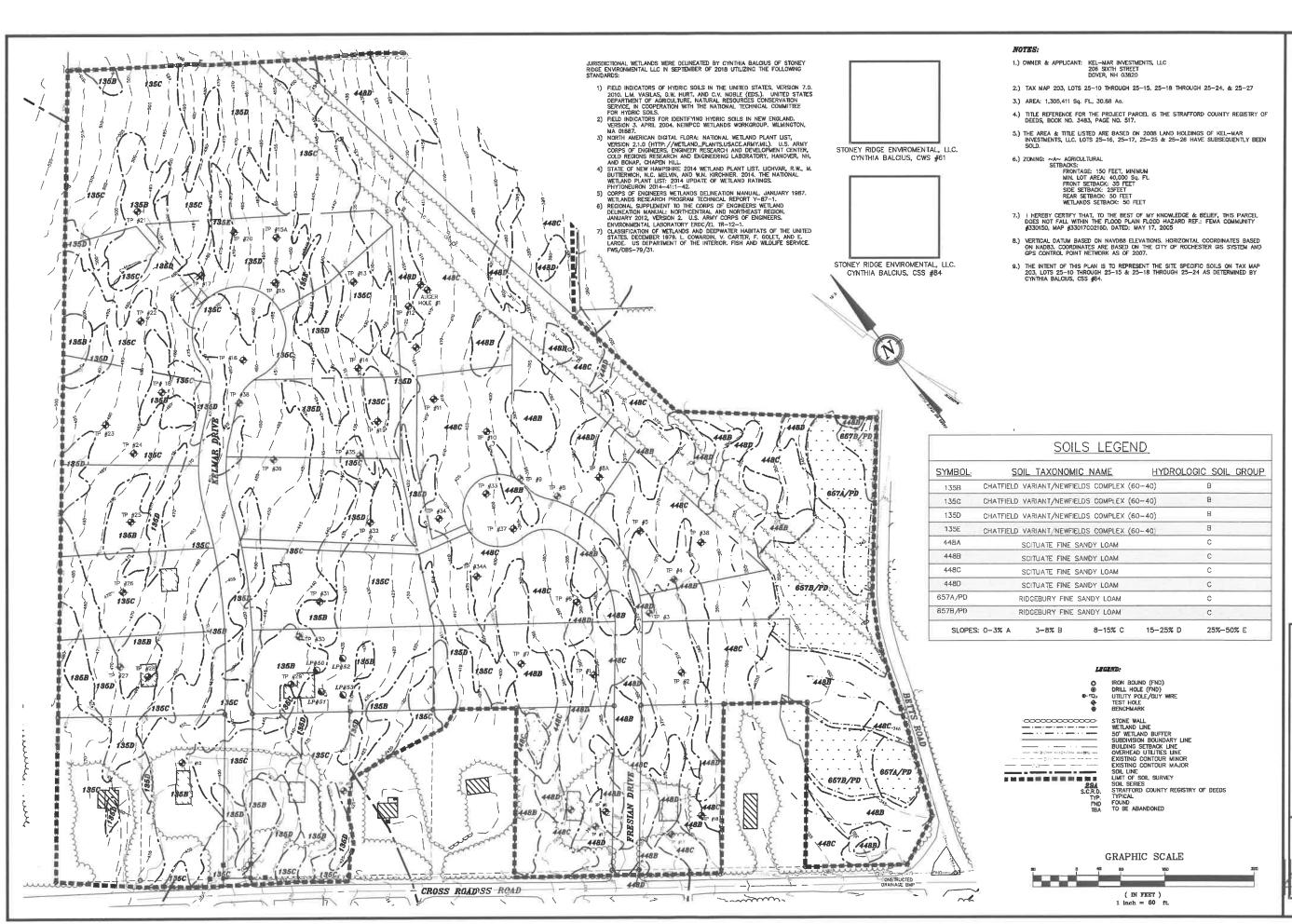
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G COMMEN	NOTICE OF DECISION AOT APPLICATION CITY OF ROCHESTER TRG	REVISED PER REVISED PER REVISED PER	10-9-20 8-31-20 5-19-20	£4 #

PLAN 기품 ESIAN ESIAN NH 203 CONDITIONS F LAND OF INVESTMENTS, RIVE & FRESIAN CHESTER, NH AX MAP 203 15, 26-18 THR EXISTING CC LA KEL-MAR IN KELMAR DRIVE ROCHI TAX

YING SINEERING POINT ROAD 5 (603)332–2863 LS 80 FT. SURVEYI
335 SECOND CROWN PO
BARRINGTON, NH 03825 (6
SCALE : 1 IN EQUAL?
FILE NO



SHEET 3 OF 29



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ICE OF DECISION APPLICATION OF ROCHESTER

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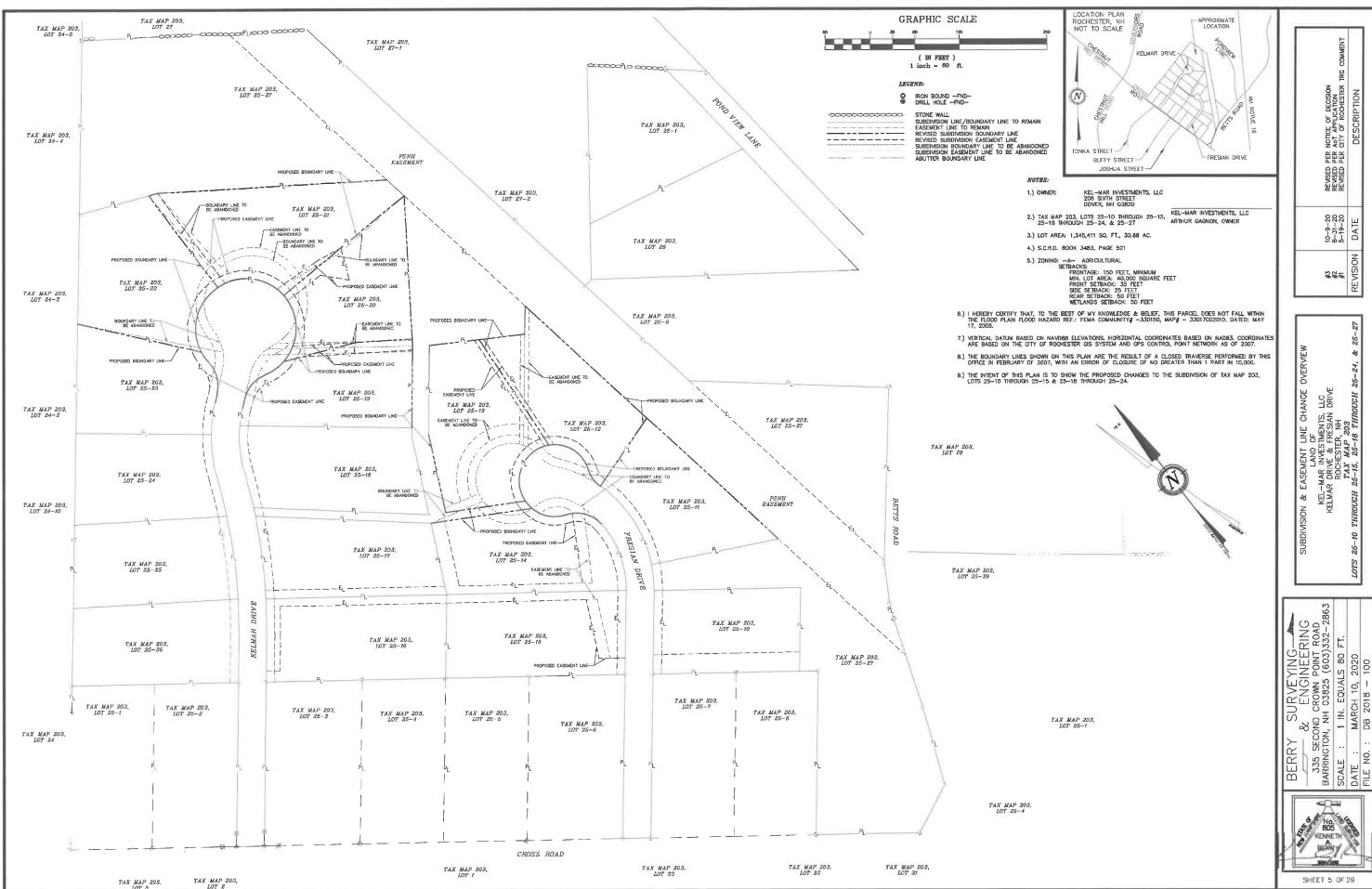
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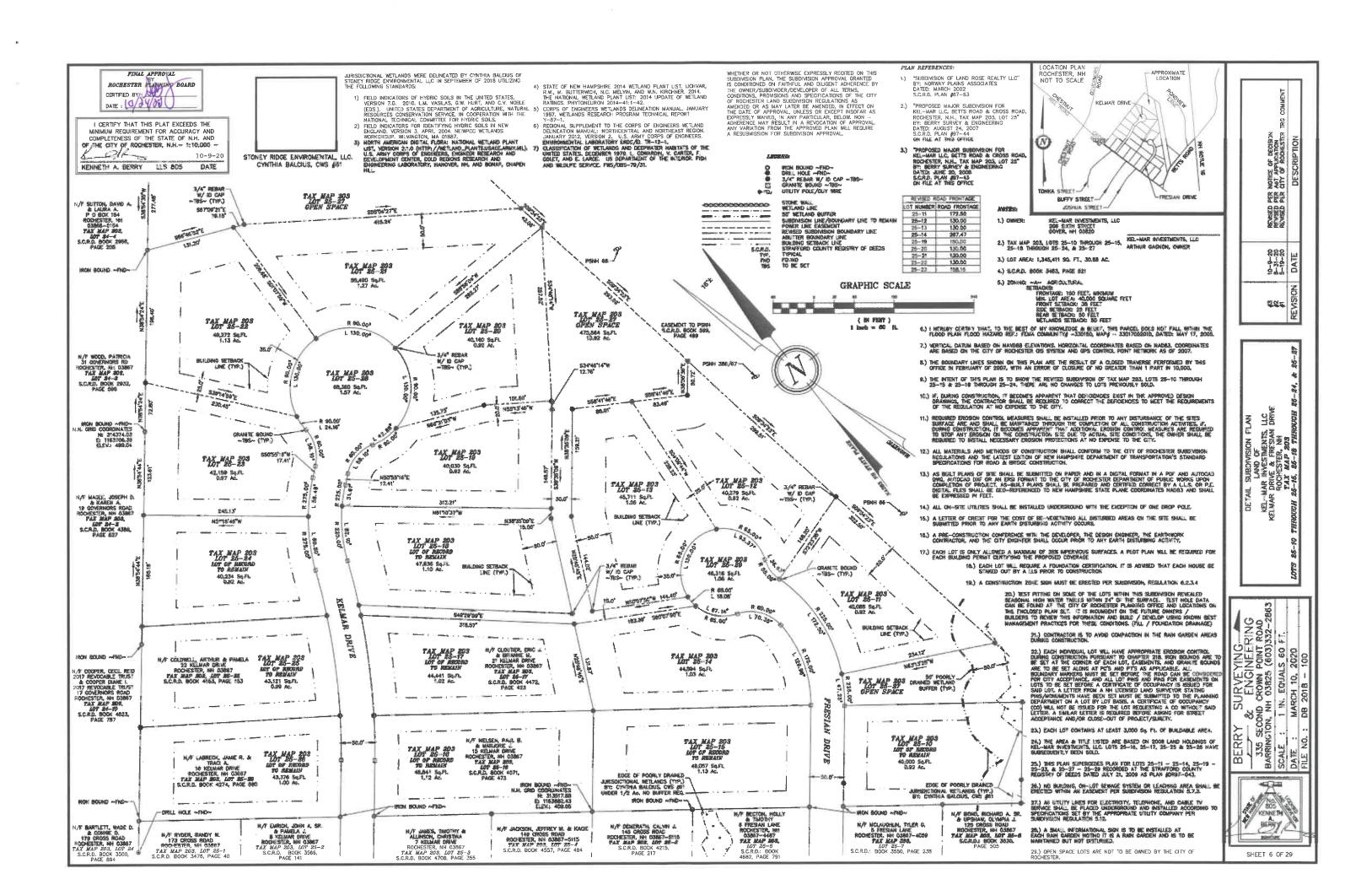
SHEET 4 OF 29

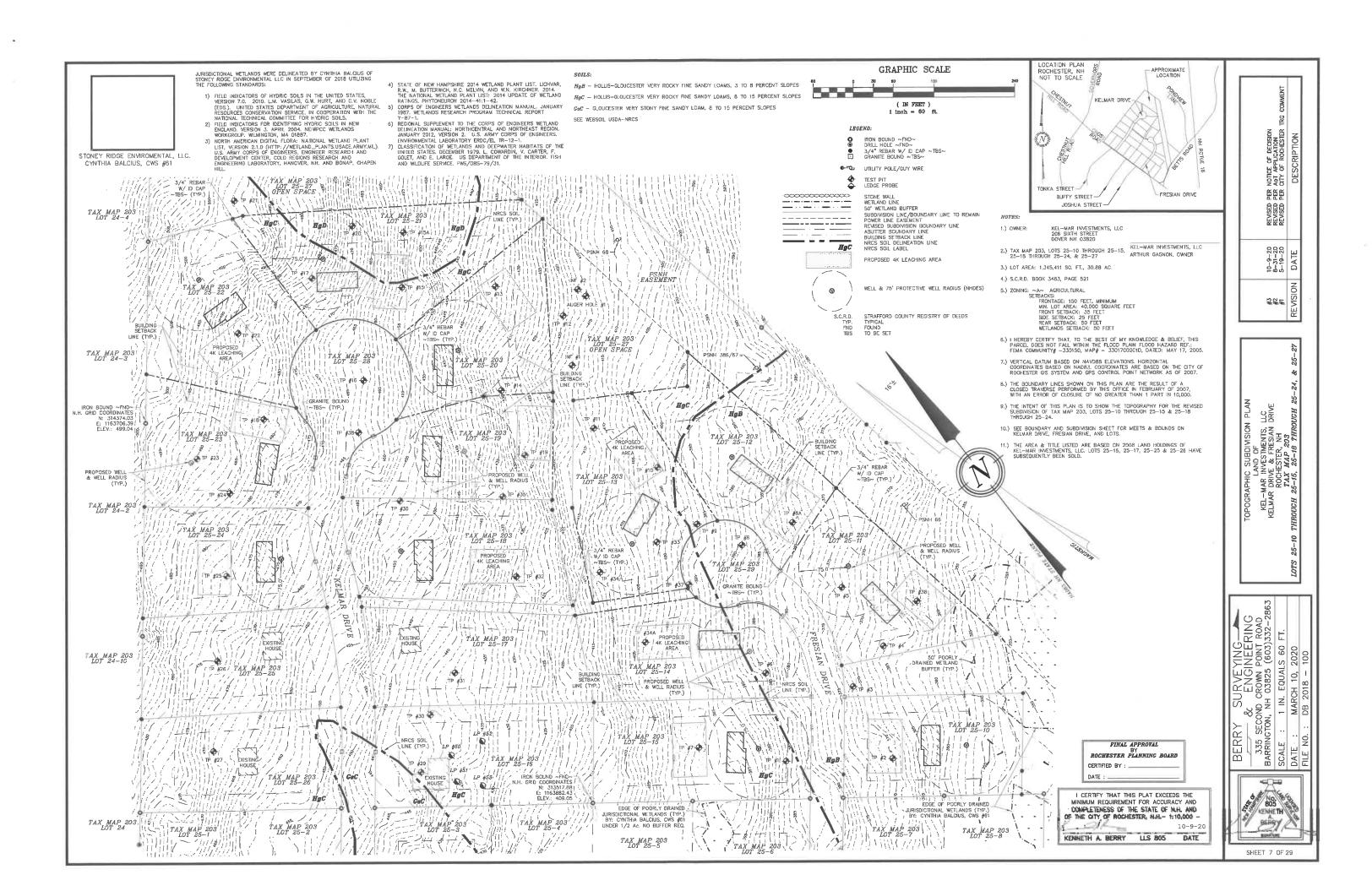


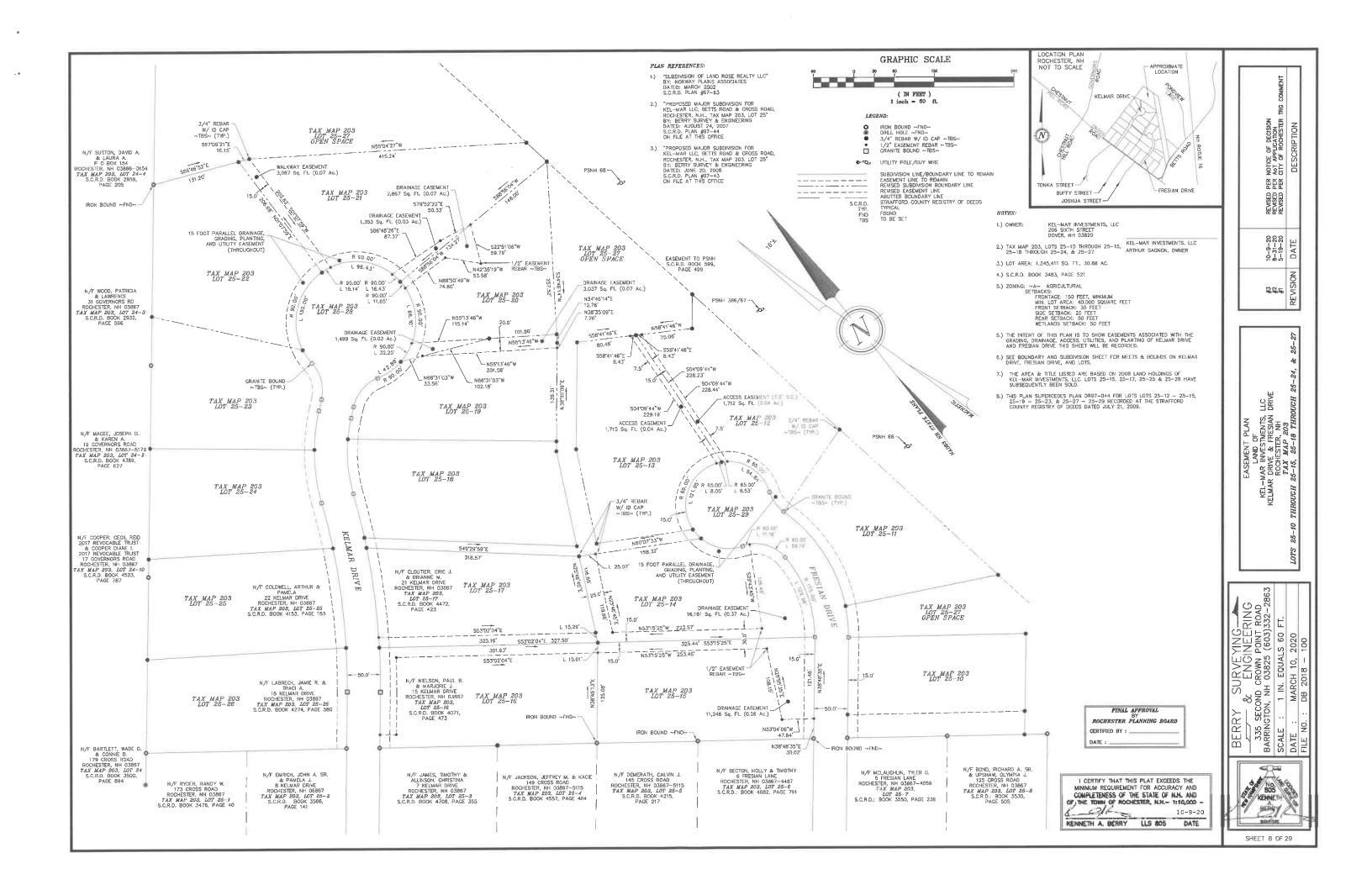
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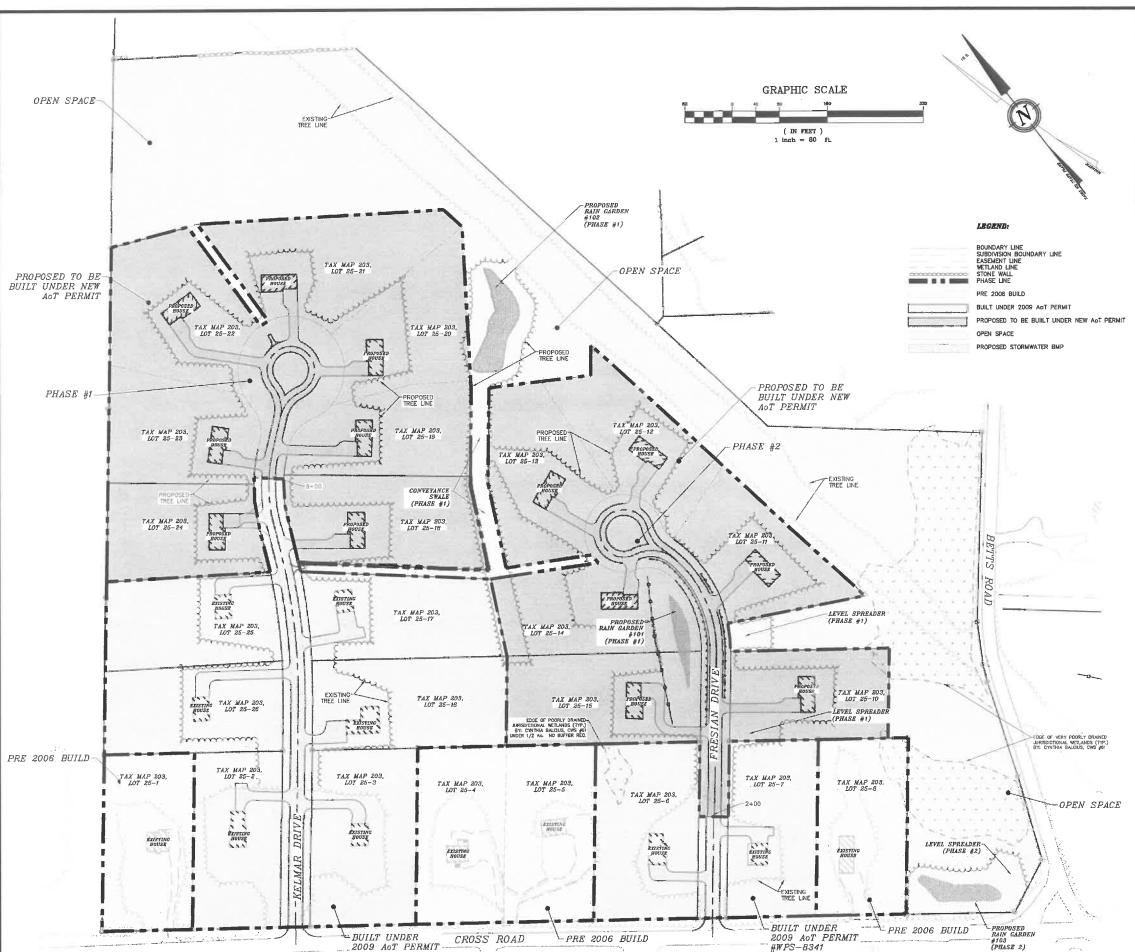
ION & EASEMENT LINE CHAN LAND OF KEL-MAR INVESTMENTS, LI KELMAR DRIVE & FRESIAN D TAX MAP 203 TROUCH 26-16, 26-19 THROU

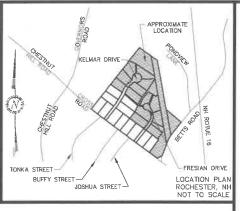












NOTES:

 THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE CONSTRUCTION SEQUENCING PLAN FOR KELMAR DRIVE AND FRESIAN DRIVE WITH RESPECT TO AGT PERMITTING.

2.) OWNER: KEL-MAR INVESTMENTS, LLC 206 SIXTH STREET DOVER, NH 03820

APPLICANT: KEL-MAR INVESTMENTS, LLC 206 SIXTH STREET DOVER, NH 03820

4.) THE PROJECT PARCEL IS SHOWN AS TAX MAP 203, LOTS 25-10 THROUGH 25-15, 25-18 THROUGH 25-24, & 25-27 OF THE CITY OF ROCHESTER TAX ASSESSOR'S MAPS.

5.) LOT AREA: 1,345,411 Sq. Ft., 30.88 Ac.

6.) PROJECT PLAN REFERENCES: S C R D BOOK 3483 PAGE 521

7.) THE AREA & TITLE LISTED ARE BASED ON 2008 LAND HOLDINGS OF KEL-MAR INVESTMENTS, LLC. LOTS 25-16, 25-17, 25-25 & 25-26 HAVE SUBSEQUENTLY BEEN SOLD.

THE APPROXIMATE CALCULATED DISTURBANCES ARE DETERMINED FROM ROAD CONSTRUCTION, RAIN GARDEN CONSTRUCTION, AND LOT CONSTRUCTION.

9.) LIMIT OF ALLOWED DISTURBANCE:
THE LIMIT OF ALLOWED DISTURBANCE IS DETERMINED BY THE PROPOSED TIREE LINES SHOWN, SEE CONSTRUCTION EROSION & SEDIMENT CONTROL. PLANS FOR EROSION & SEDIMENT CONTROL. MEASURES IN THE AREA ALLOWED TO BE DISTURBED. THE HOUSE LOCATIONS AND DRIVEWAY LOCATIONS SHOWN ARE NOT EXCLUSIVE. HOWEVER, TREES ARE TO NOT TO BE CUT BEYOND THE LIMITS SHOWN DURING ROAD CONSTRUCTION.

10.) THE PROPOSED DISTURBANCE FROM NEW CONSTRUCTION IS 356,280 Sq. Ft. (8.18 Ac.) AND OCCURS AS FOLLOWS:

DURING ANY PHASE. NO MORE THAN 217,800 Sq. Ft. (5 Ac.) IS TO BE DISTURBED, DURING ANY PHASE, IF PREVIOUSLY DISTURBED LAND IS STRABILIZED, ADDITIONAL LOTS ARE ALLOWED TO BE DISTURBED, PENDING TOTAL DISTURBED LAND REMAINS UNDER 217,800 Sq. Ft. (5 Ac.). SEE SHEET E-101 FOR THE DEFINITION OF STABLE.

PHASE 1 DISTURBANCE: KELMAR DRIVE 8+00 — END & LOTS 25-18 — 25-24: 132,249 Sq. Ft. (3.04 Ac.) RAIN GARDEN #101 & LEVEL SPREADERS (REQUIRED): 22,759 Sg. Ft. (0.52 Ac.) RAIN GARDEN #102 & CONYEYANCE SWALE (REQUIRED): 32,779 Sq. Ft. (0.75 Ac.)

PHASE 1 TOTAL DISTURBANCE: 187,823 Sq. Ft. (4.31 Ac.)

PHASE 2 DISTURBANCE: FRESIAN DRIVE 2+00 - END & LOTS 25-10 - 25-25: 153,030 Sq. Ft. (3.51 Ac.) RAIN GARDEN #103 & LEVEL SPREADER (REQUIRED): 15.427 Sq. Ft. (0.35 Ac.)

PHASE 2 TOTAL DISTURBANCE: 168,457 Sq. Ft. (3.87 Ac.)

11.) IT IS A CONDITION OF THIS ALTERATION OF TERRAIN PERMIT THAT WORK MUST BE DONE IN ACCORDANCE WITH THESE DESCRIBED PHASES OR AN ENVIRONMENTAL MONITOR WILL BE REQUIRED.

		DESCRIPTION			DATE	REVISION
TRG COM	Æ	AOT APPLICATION CITY OF ROCHESTER	## ##	REVISED	8-31-20 5-19-20	#1
			PER		10-9-20	#3

AOT SEQUENCE PLAN
LAND OF
KEL-MAR INVESTMENTS, LLC
KELMAR DRIVE & FRESIAN DRIVE
ROCHESTER, NH
RAX MAP 203
0 THROUGH 26-15, 26-18 THROUGH 26-24, & 25

BERRY SURVEYING

& ENGINEERING

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

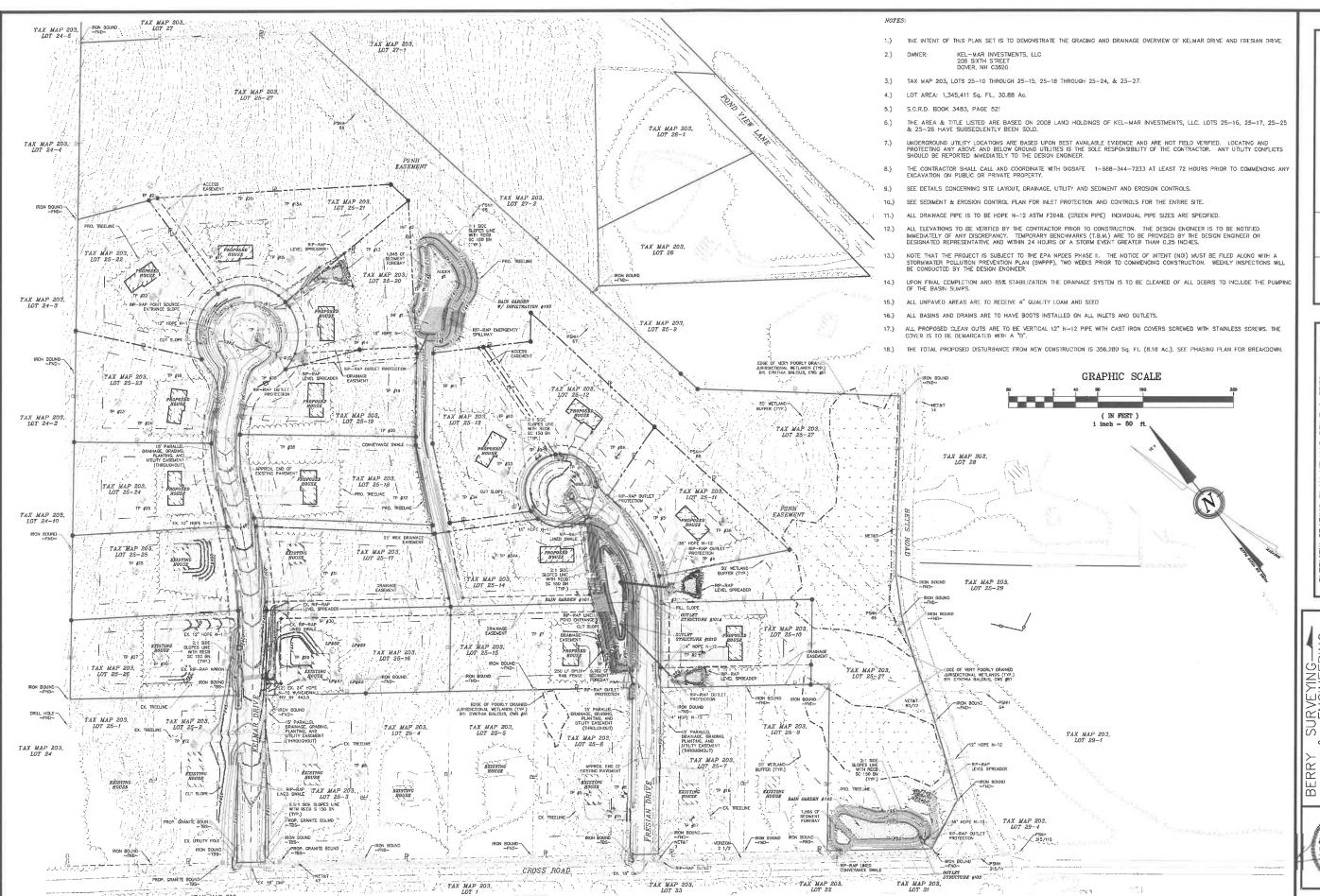
SCALE: 1 IN. EQUALS 80 FT.

DATE: MARCH 10, 2020

FILE NO: DB 2018 - 100



SHEET 9 OF 29



TAX MAP 203, LOT 2

TAX MAP 203.

#3 10-9-20 REVISED PER NOTICE OF DECISION
#2 B-31-20 REVISED PER ADI APPLICATION
#1 5-19-20 REVISED PER CITY OF ROCHESTER TRG COMMENT
REVISION DATE DESCRIPTION

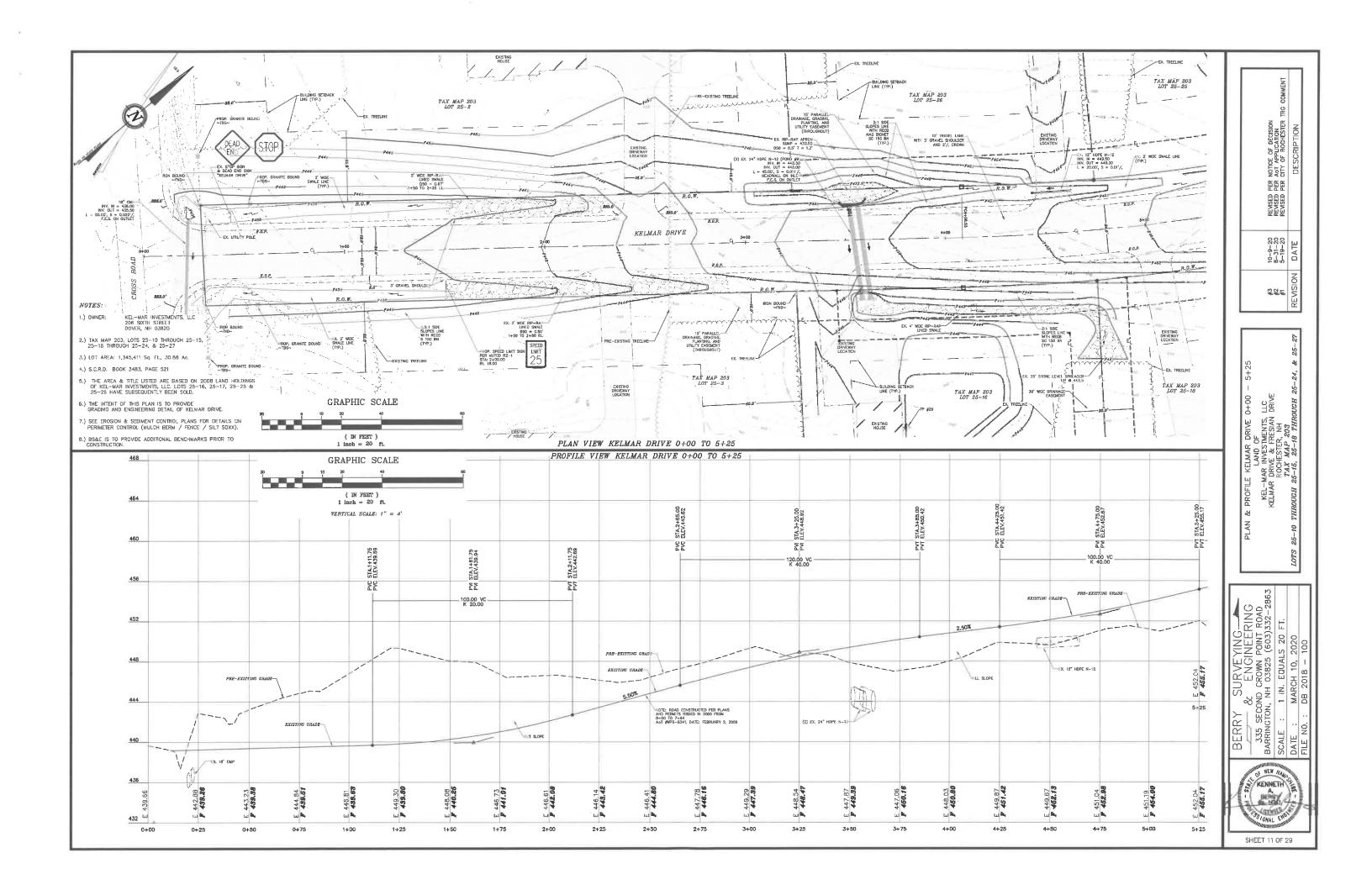
OVERVIEW GRADING PLAN KELMAR DRIVE & FRESIAN LANE
LAND OF
KEL—MAR INVESTMENTS, LLC
KELMAR DRIVE & FRESIAN DRIVE
ROCHESTER, NH
TAX MAP 203
OTS 25-10 THROUGH 25-16, 26-18 THROUGH 26-24, & 26-21

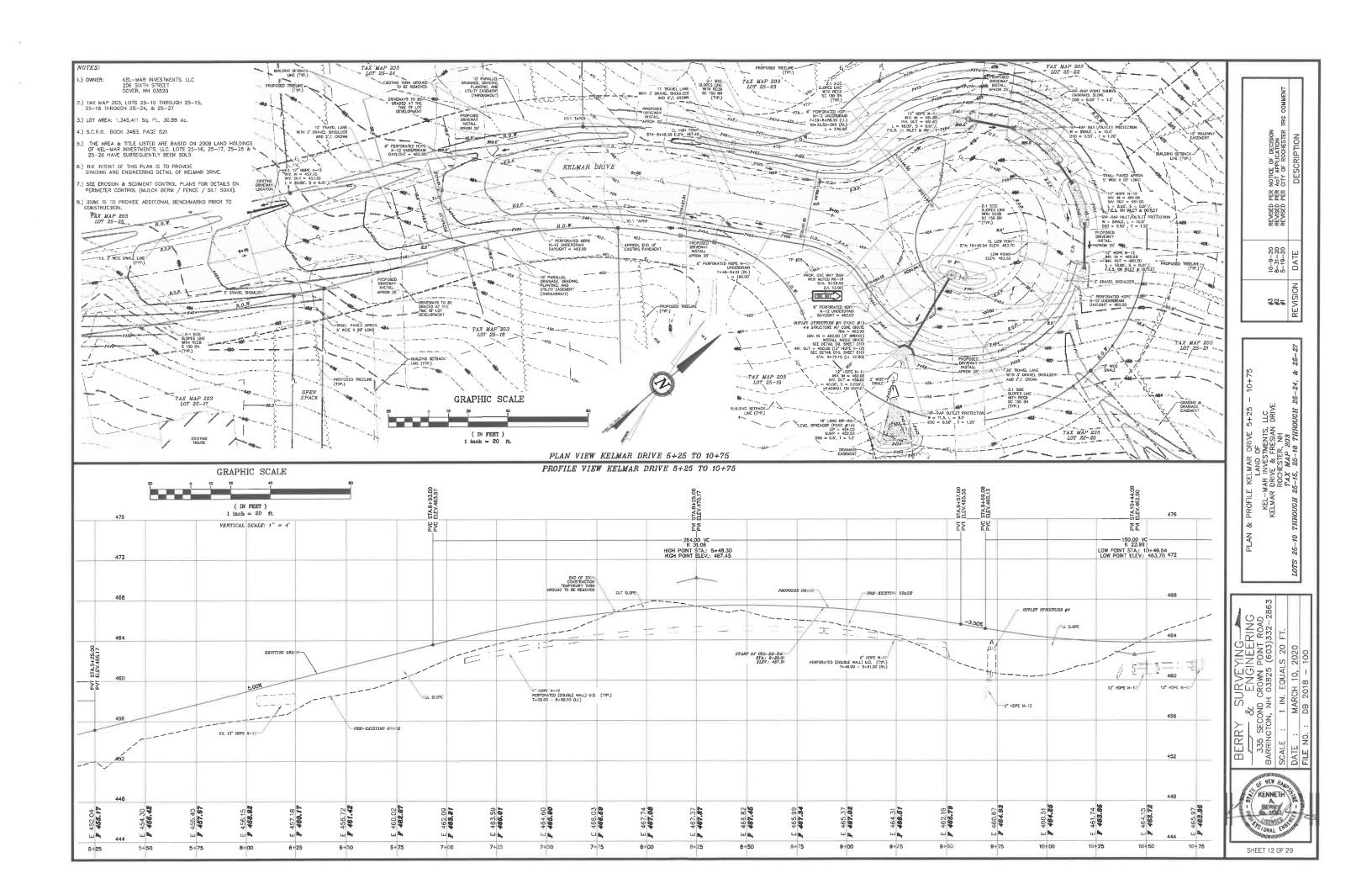
BERRY SURVEYING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863
SCALE : 1 IN. EQUALS 80 FT.

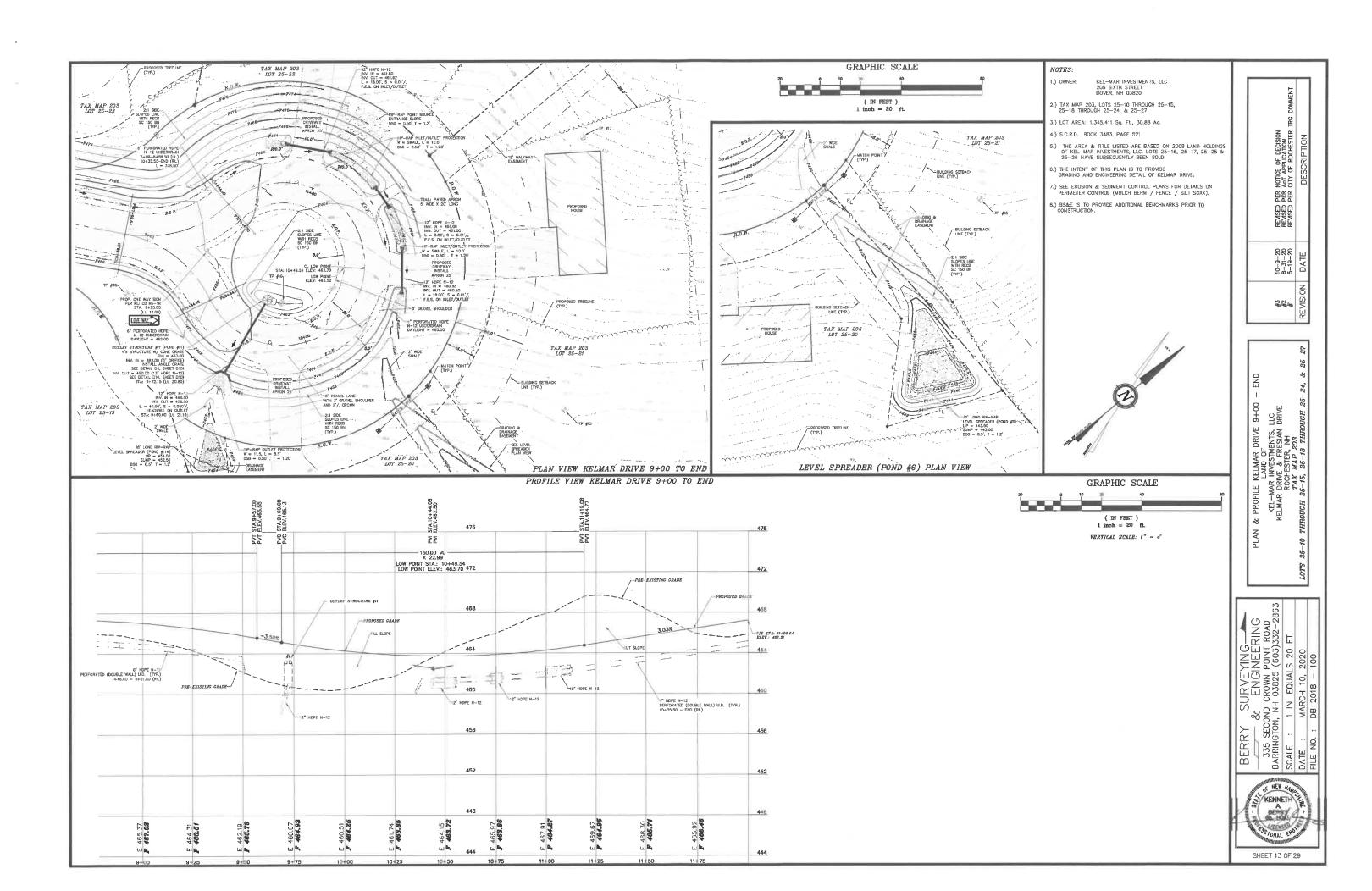
DATE : MARCH 10, 2020
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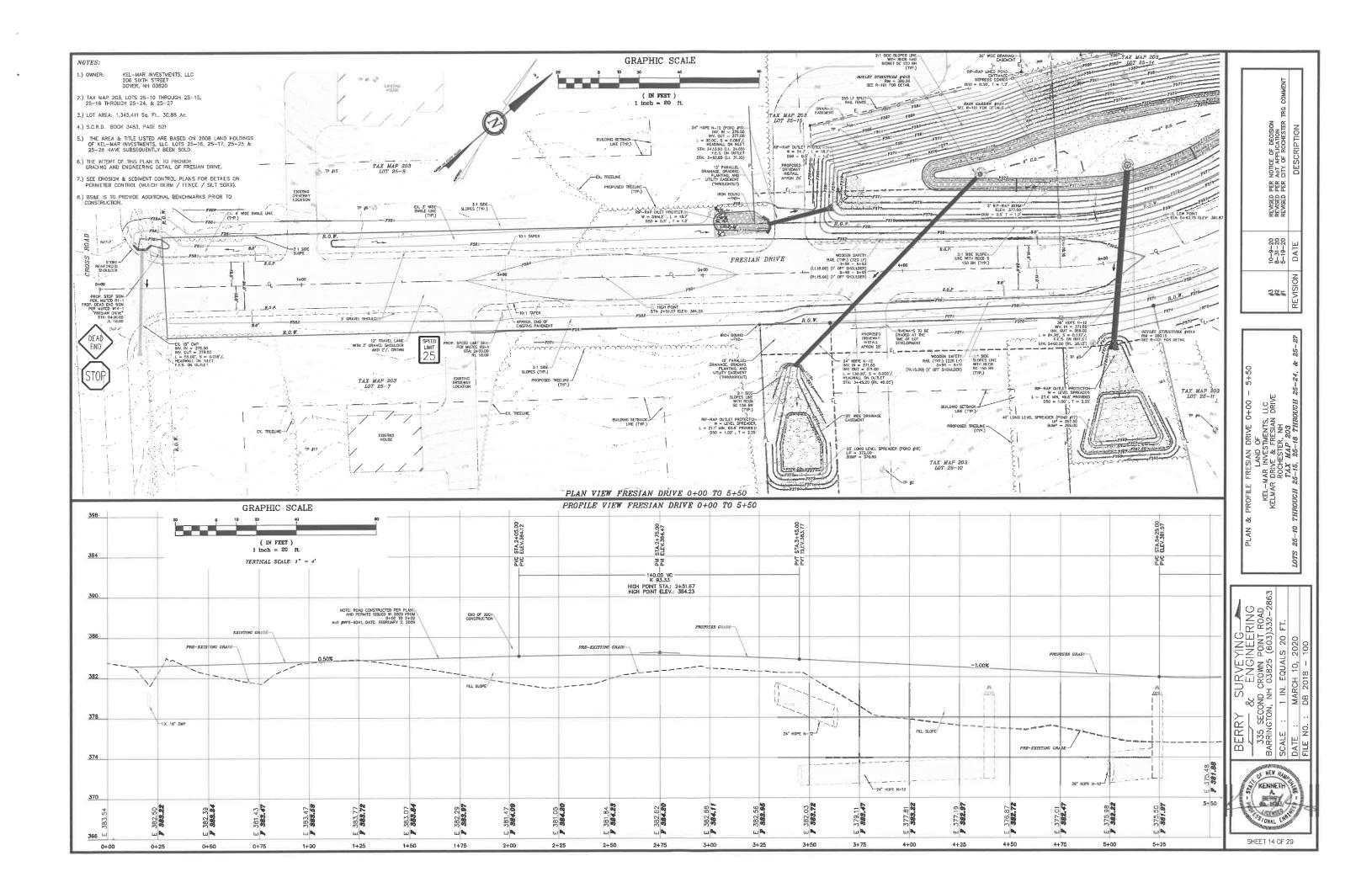


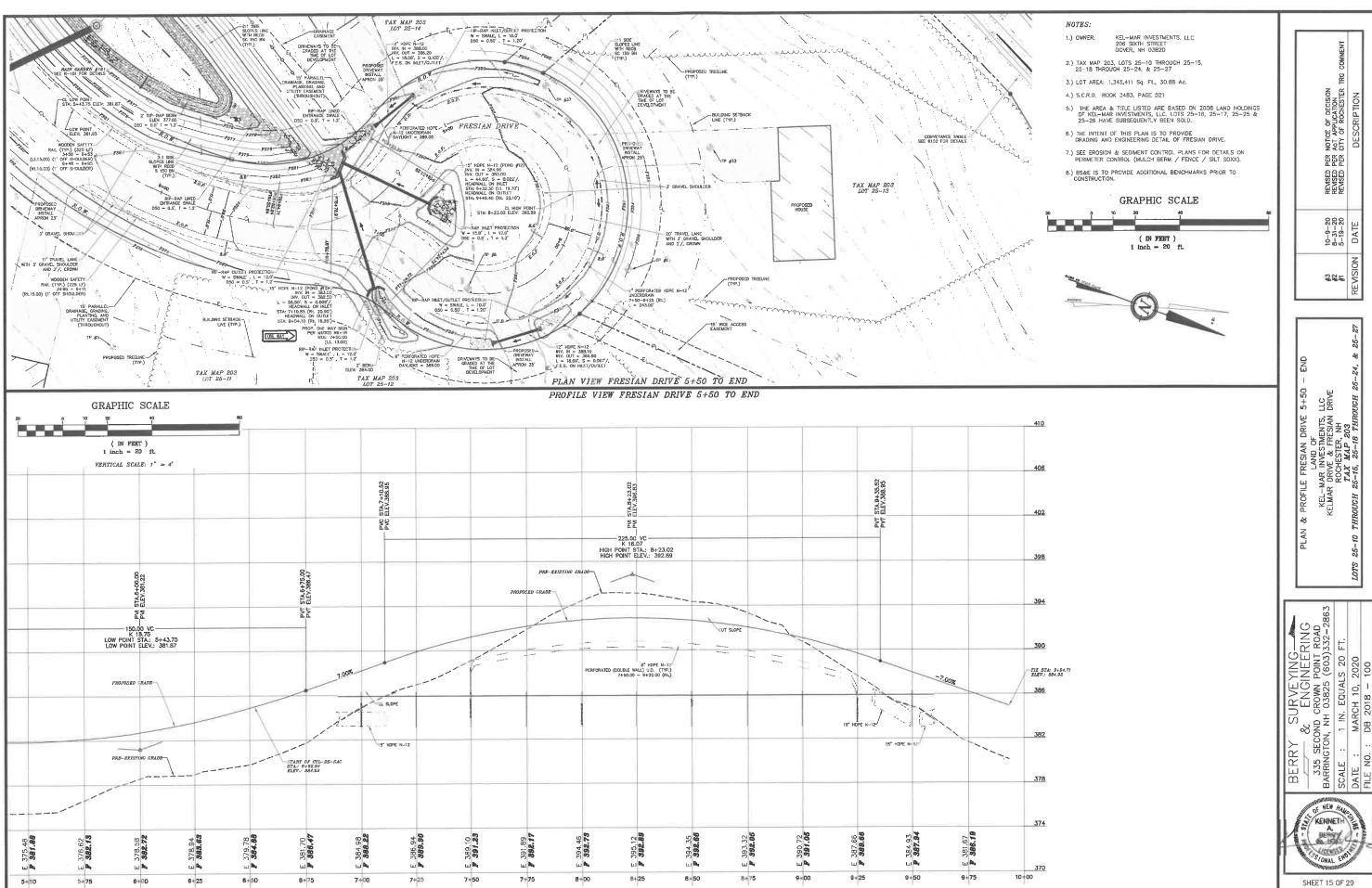
SHEET 10 OF 29









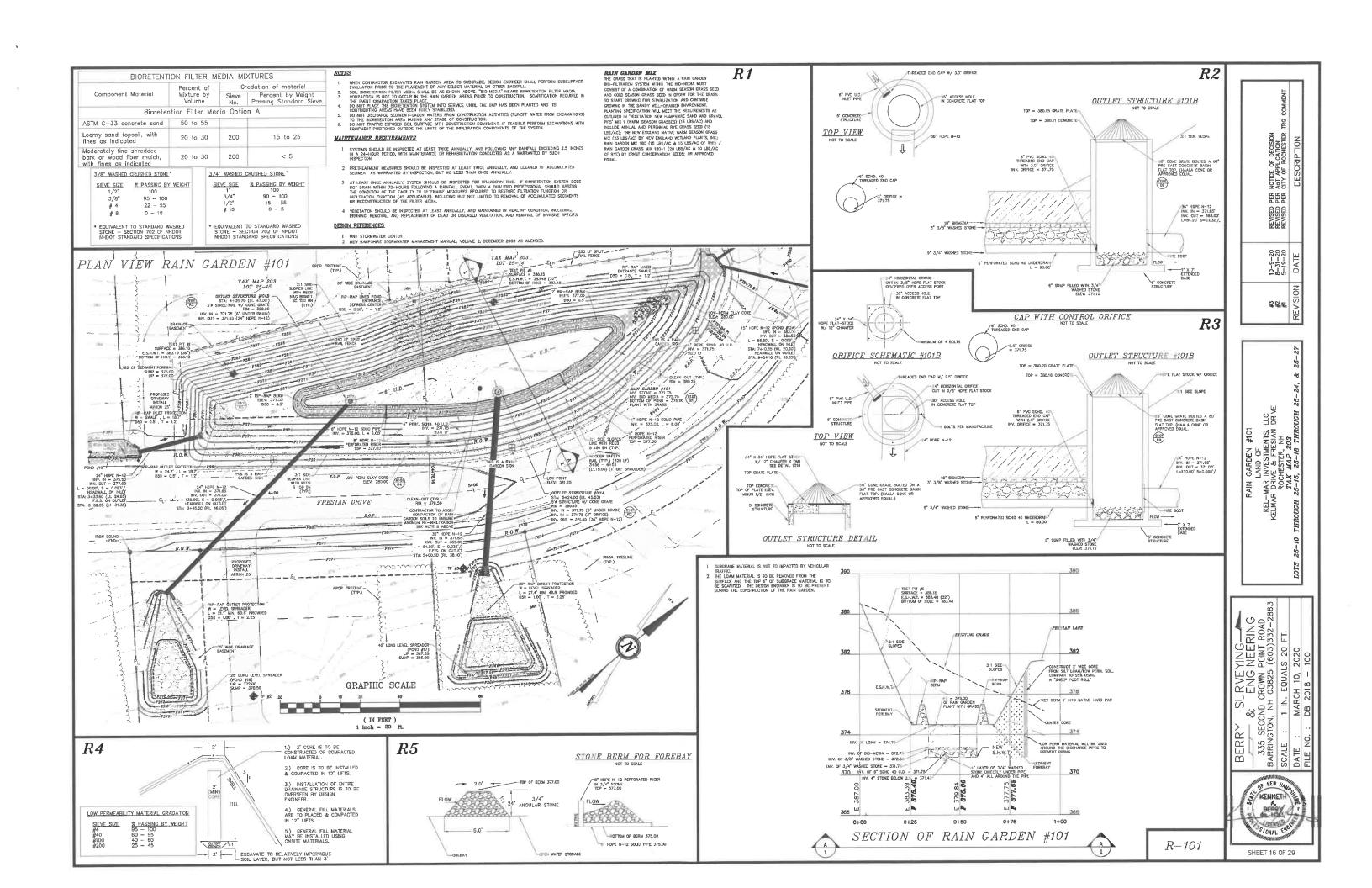


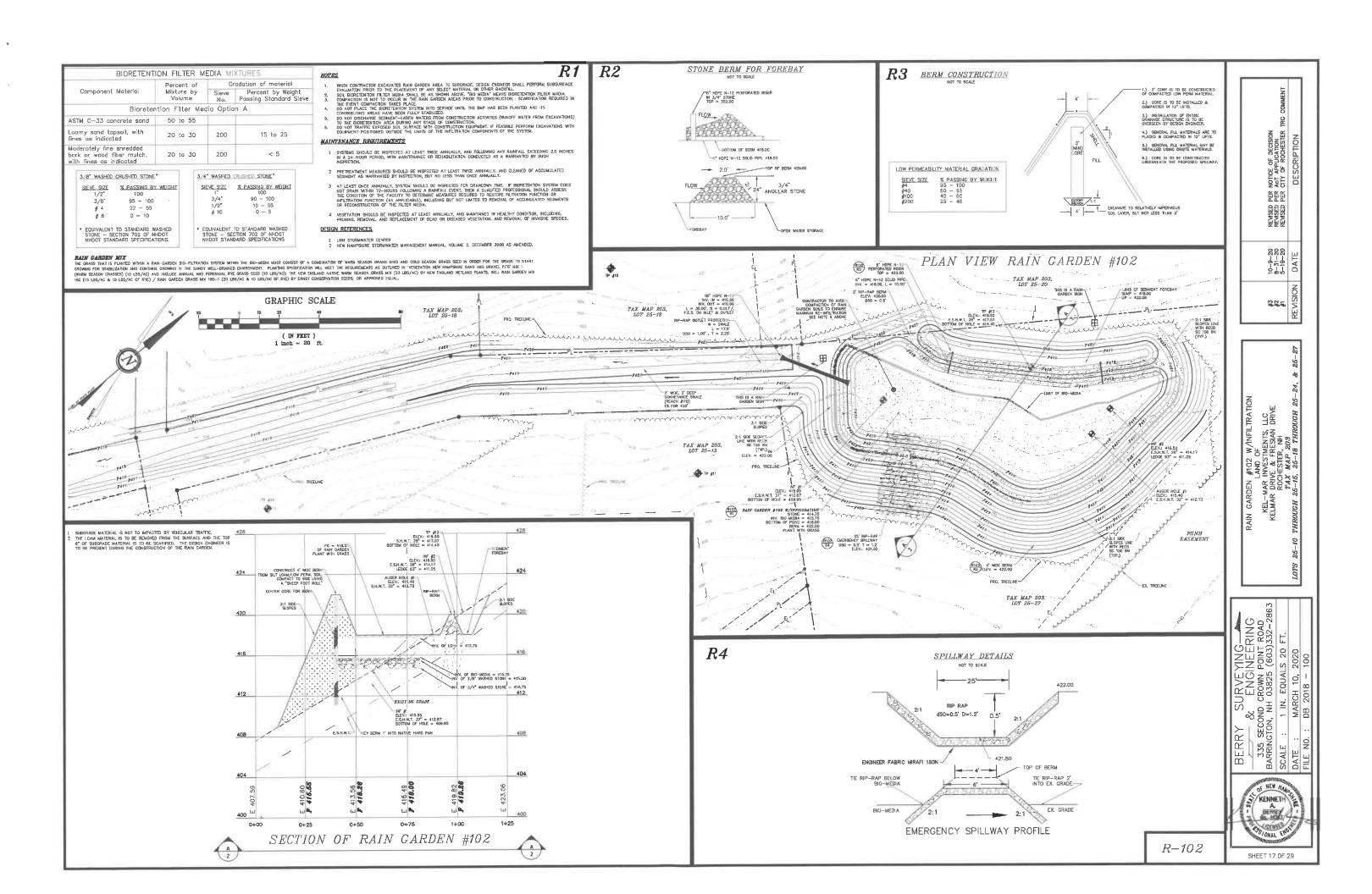
NOTICE OF DECISION ACT APPLICATION CITY OF ROCHESTER 1 統유 REVISED REVISED REVISED 10-9-20 8-31-20 5-19-20 ままま S

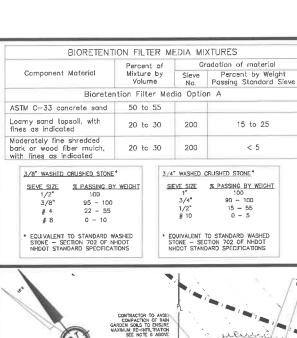
LLC PROFILE FRESIAN DRIVE E LAND OF KELMAR INVESTMENTS, LI KELMAR DRIVE & FRESIAN D ROCHESTER, NH TAX MAP 203 TAX MAP 203



SHEET 15 OF 29







GRAPHIC SCALE

(IN FEET)

R5

RAIN CARDEN MIX
THE GRASS THAT IS PLANTED WITHIN A RAIN GARDEN
BID-FILTRATION SYSTEM WITHIN THE BIO-MEDIA MUST
CONSIST OF A COMBINATION OF WARM SEASON GRASS SEED MENI CONTRACTOR EXCAVATES RAIN CARDEN AREA TO SUBGRADE. DESIGN ENGINEER SHALL PERFORM SUBSURFACE SHALLATON PRIOR TO THE PLACEMENT OF ANY SELECT MARTENAL. OR CHITER BACKFLL. SOLLATION FROM TO THE PLACEMENT OF ANY SELECT MARTENAL. OR CHITER BACKFLL. SOLL BIOCRETENION FLICTER MADIA. COMPACTION IS NOT TO COCKE IN THE EARN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIPICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE. DO NOT PLACE THE SIGNETENTIAL SEED HAS EXPLOSED AND THE SENTENCE OF THE SENTENCE OF THE SIGNET PLACE THE SIGNET FROM EXCAVATIONS). DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE SIGNETENION AREA SHAVE BURNE ANY THE SENTENCE SOLVED SIGNET SHAPPING ANY STATE OF CONSTRUCTION.

ON NOT TRAFFIC EXPUSED SIZE SUFFICIENCY MET CONSTRUCTION COMPRISENT, IF PERSIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSTRONGE CONTRIBUTION. CONSIST OF A COMBINATION OF WARM \$4.535 N GRASS SIED AND COLD SEAKO GRASS SED IN START GROWNS FOR STABILIZATION AND CONTRUIT GRASS OF STABILIZATION AND CONTRUIT GROWNS FOR STABILIZATION AND CONTRUIT FOR GROWNS OF THE SANDY WELL DEARNED E DIMINIORIENTS AS OUTLINED IN "VEGETATION NEW HUMBERSHEE SAND AND GRAVEL PITS MAY 1 (WARM SEASON GRASSES) (15 185/AC) AND INCLUDE ANNUAL AND PERFORM FOR GRASSES (15 185/AC) AND INCLUDE ANNUAL AND PERFORM FOR GRASSES (15 185/AC) THE NEW ENDLAND NATUE WARM SEASON GRASS MIX (23 185/AC) SP HOW ENDLAND WELLAND PLANTS, NC.; RAIN GRADEM MIX 180 (15 185/AC & 16 185/AC OF RYE), PARN GRADED GRASS MIX 180-1 (20 185/AC OF RYE) OF 185/AC OF RYE) OF 185/AC OF RYES OF START OF THE 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

AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RIMFALL EVENT, THEM A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONCITION OF THE TACCITY TO GETERINAR MESJARES REQUIRED TO RESTORE FURNISHING FUNCTION OR NETLETAINS FUNCTION (AS APPLICABLE), WICLIONIS BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE THE REGIA.

4 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

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

DESIGN_REFERENCES

EMERGENCY SPILLWAY PROFILE

R1

TRAFFIC.

THE LOAM MATERIAL IS TO BE REMOVED FROM THE

SURFACE AND THE TOP 6" OF SUBGRADE MATERIAL IS TO

BE SCARIFIED. THE DESIGN ENGINEER IS TO BE PRESENT

DURING THE CONSTRUCTION OF THE RAIN GARDEN.

R2STONE BERM FOR FOREBAY FL<u>OW</u> TITOM OF BERM 350.00 " HDPE N-12 SOUD PIPE 350.00 TOP OF BERM 352.00 3/4" 24" ANGULAR STONE 10.0' -OPEN WATER STORAGE R3BERM CONSTRUCTION 1.) 2' CORE IS TO BE CONSTRUCTED OF COMPACTED LOAM MATERIAL 2.) GORE IS TO BE INSTALLED & COMPACTED IN 12" LIFTS. 4.) GENERAL FILL MATERIALS ARE TO PLACED & COMPACTED IN 12" LIFTS. 5.) GENERAL FILL MATERIAL MAY BE INSTALLED USING ONSITE MATERIALS. 6.) CORE IS TO BE CONSTRUCTED UNDERNEATH THE PROPOSED SPILLWA CUTOFF 1:1 EXCAVATE TO RELATIVELY IMPERMOUS SOIL LAYER, BUT NOT LESS THAN 3' LOW PERMEABILITY MATERIAL GRADATION SIEVE SIZE % PASSING BY WEIGHT 95 - 100

R4 4' BERM FLEV: 354.00 (R3) IN CONCRETE FLAT TOP 6" SCHEDULE~ OUTLET STRUCTURE #103 TOP = 353.00 GRATE PLATE 5' CONCRETE R103 R2 TOP = 352.96 CONCRETE 2' RIP-RAP BERM ELEV: 352.00 D50 = 0.5' TOP VIEW 36" HDPE N-12 3:1 SIDE SLOPE 6" PVC SCHD, 10" ORFICE INV. = 345,75 (010) -5 DEGREE AA 6" HOPE N-12 SOLID PIPE INV. = 350.00, L = 10.00" TAX MAP 203, LOT 25-8 ORIFICE SCHEMATIC #103 9" 3/4" WASHED STONE EX. TREELINE R.O. W. THIS IS A RAIN GARDEN SIGN IRON BOUND munimu THIS IS A RAIN-GARDEN SIGN 1,566 OF SEGMENT FOREDAY. SUMP = 350,00 LP = 350,00 OUTLET STRUCTURE #10 | 5'# STRUCTURE W/ CONE GRATE WITH 38" VERTICAL RISER RIM = 353.00 CROSS ROAD SUBGRADE MATERIAL IS NOT TO IMPACTED BY VEHICULAR

PLAN VIEW RAIN GARDEN #103

358 SPILLWAY DETAILS NOT TO SCALE 354 RIP RAP d50=0.5' D=1.2' 350 INV. OF LOAM = 349.75-346 INV. OF 3/4" WASHED STONE - 346.75 353,50 ENGINEER FABRIC MIRAFI 180N 348.74 TOP OF RERM 4' ---355... TIE RIP-RAP BELOW — 6' — LJ Ru шК u N ы 342 0+00 0+50 1+50 1+75 EX, GRADE SECTION OF RAIN GARDEN #103

NOTICE OF DECISION A T APPLICATION CITY OF ROCHESTER RRR REVISED REVISED REVISED 222 10-9-3 8-31-3 5-19-3 #24#

SIN SIN GARDEN #103
LAND OF
INVESTMENTS, L
INC & FRESIAN I
CHESTER, NH
X MAP 203 KEL-MAR INVE KELMAR DRIVE { ROCHE? TAX I

JRVEYING ENGINEERING BROWN POINT ROAD 03825 (603)332–2863 EQUALS 20 FT. CH 10, 2020 SURVEY & ENGIN OND CROWN P

335 SECONI BARRINGTON, P SCALE : 1 DATE : M. BERRY

OF NEW HA KENNETH BETOY Sa. 150 S/ONAL EN SHEET 18 OF 29

R-103

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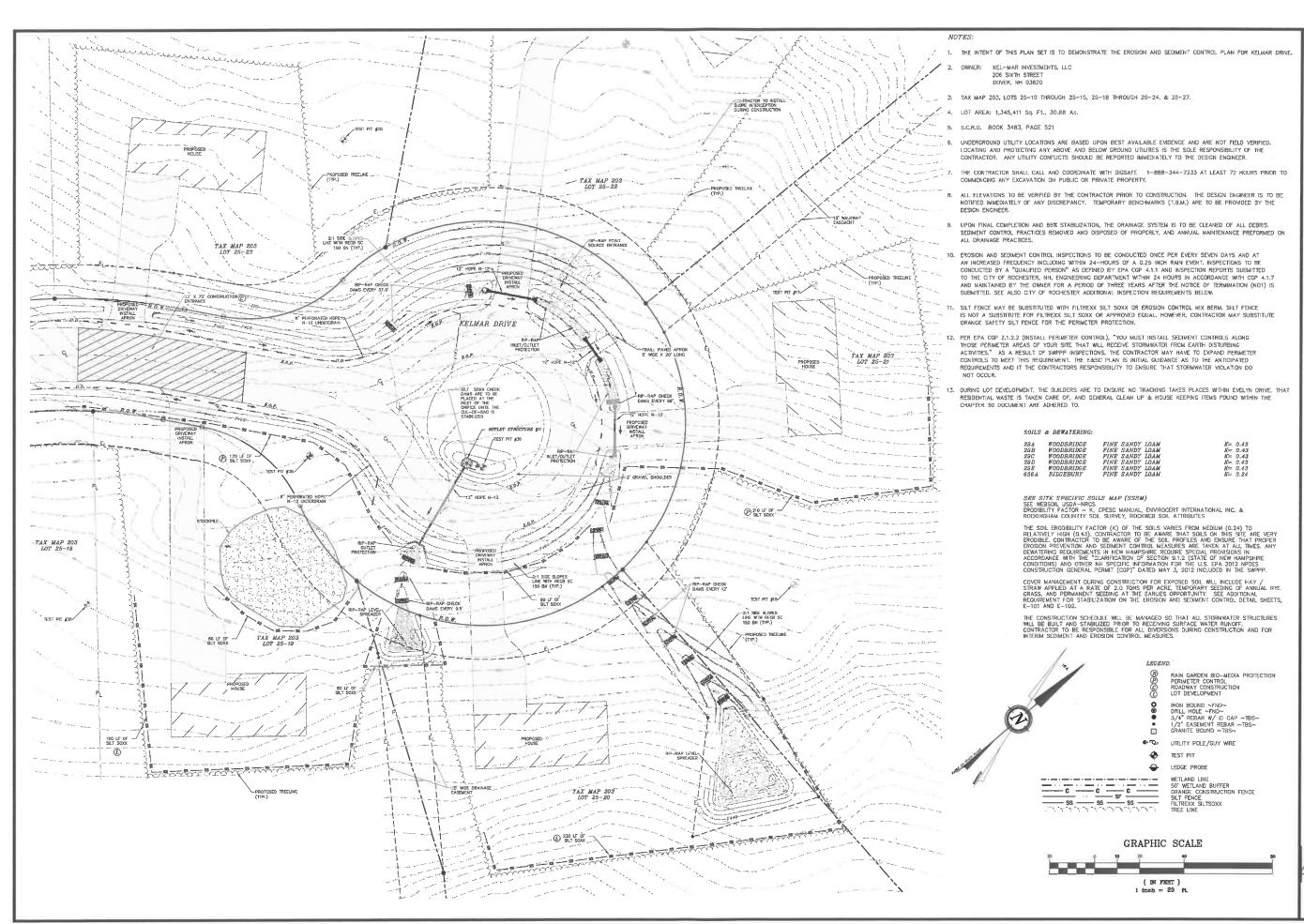
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2+00

MEY BERM 1' INTO NATIVE HARD PAN

346 LAYER OF 3/4" STONE DI

2:1 SIDE SLOPES



#3 10-9-20 REVISED PER NOTICE OF DECISION #2 8-31-20 REVISED PER ACT APPLICATION #1 5-19-20 REVISED PER CITY OF ROCHESTER TRG COMMENT REVISION DATE DESCRIPTION

E & SC PLAN KELMAR DRIVE
LAND OF
KEL—MAR INVESTMENTS, LLC
KELMAR DRIVE & FRESIAN DRIVE
ROCHESTER, NH
TAX MAP 203
10 THROUGH 25-24, & 2.

BERRY SURVEYING

& ENGINEERING

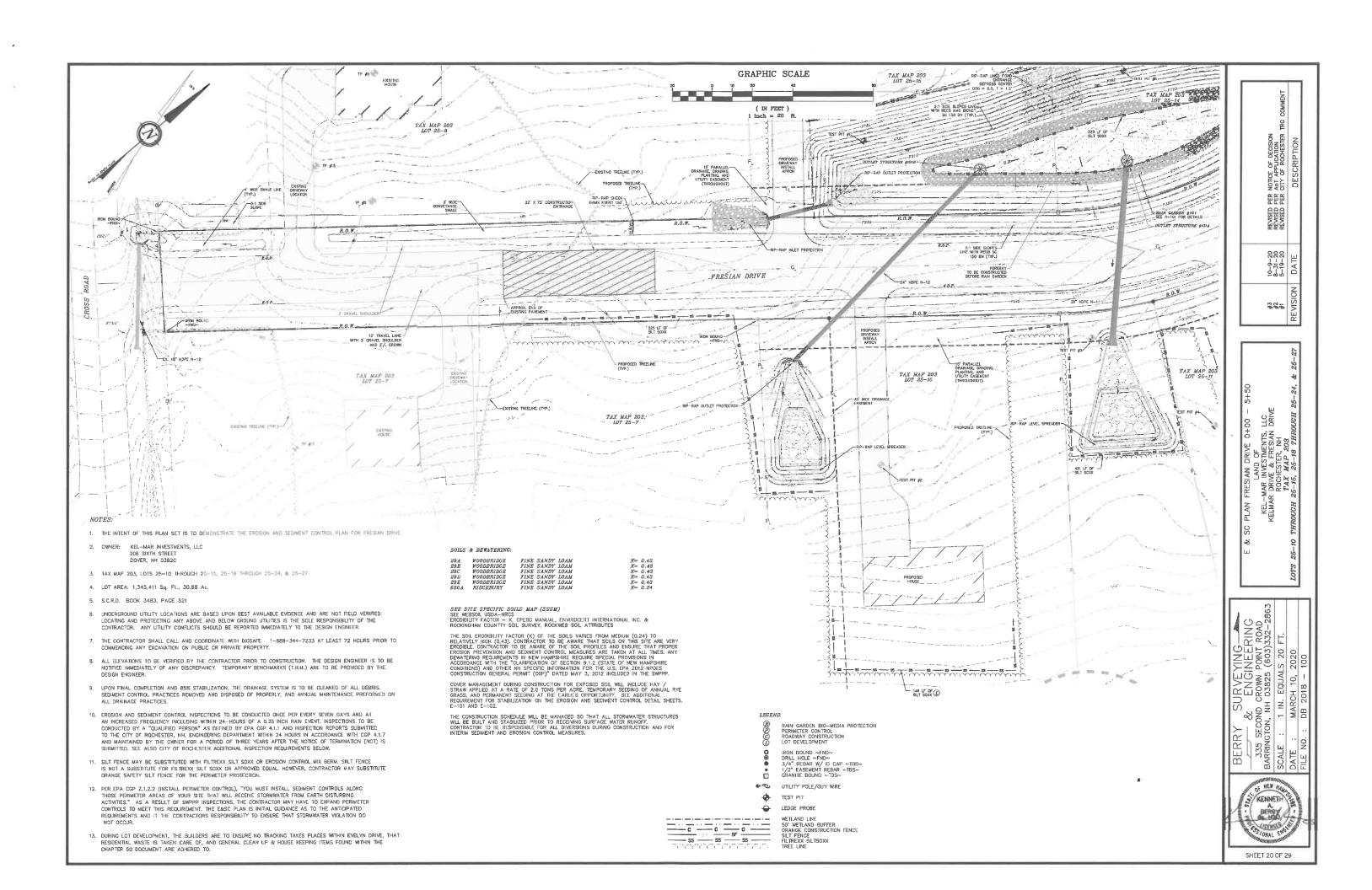
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332–2863

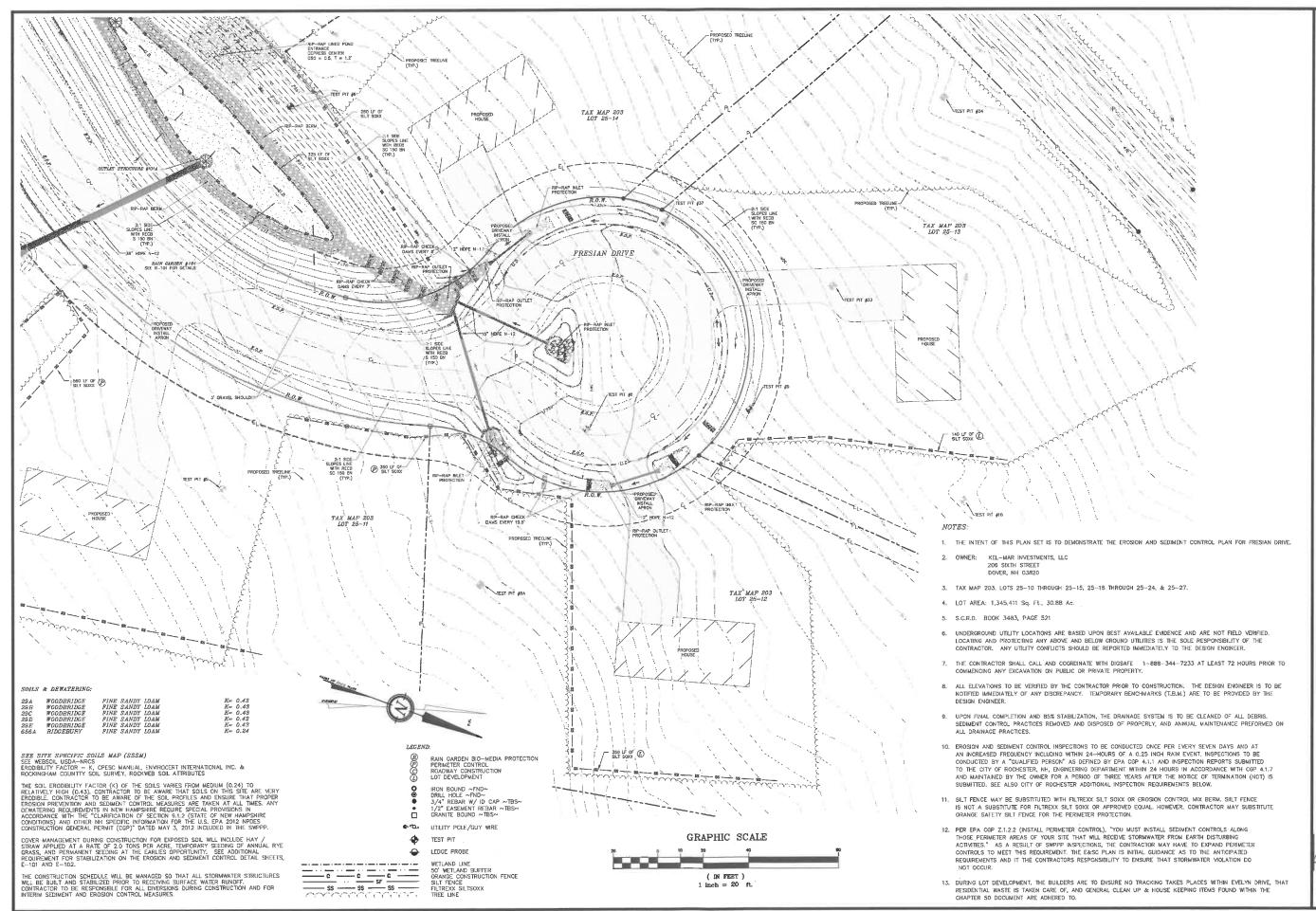
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DATE : MARCH 10, 2020



SHEET 19 OF 29





#3 10-9-20 REMSED PER NOTICE OF DEGISION REMSED PER APT APPLICATION #19-20 REMSED PER CITY OF ROCHESTER TRG COMMENT RELYSION DATE DESCRIPTION

E & SC PLAN FRESIAN DRIVE 5+50 — END
LAND OF
KEL-MAR INVESTMENTS, LLC
KELMAR DRIVE & FRESIAN DRIVE
TAX MAP 203
TS 25-10 THROUGH 25-16, 26-18 THROUGH 26-24, & 25-

BERRY SURVEYING

& ENGINEERING

335 SECOND CROWN POINT ROAD

BARRINGTON, NH 03825 (603)332–2863

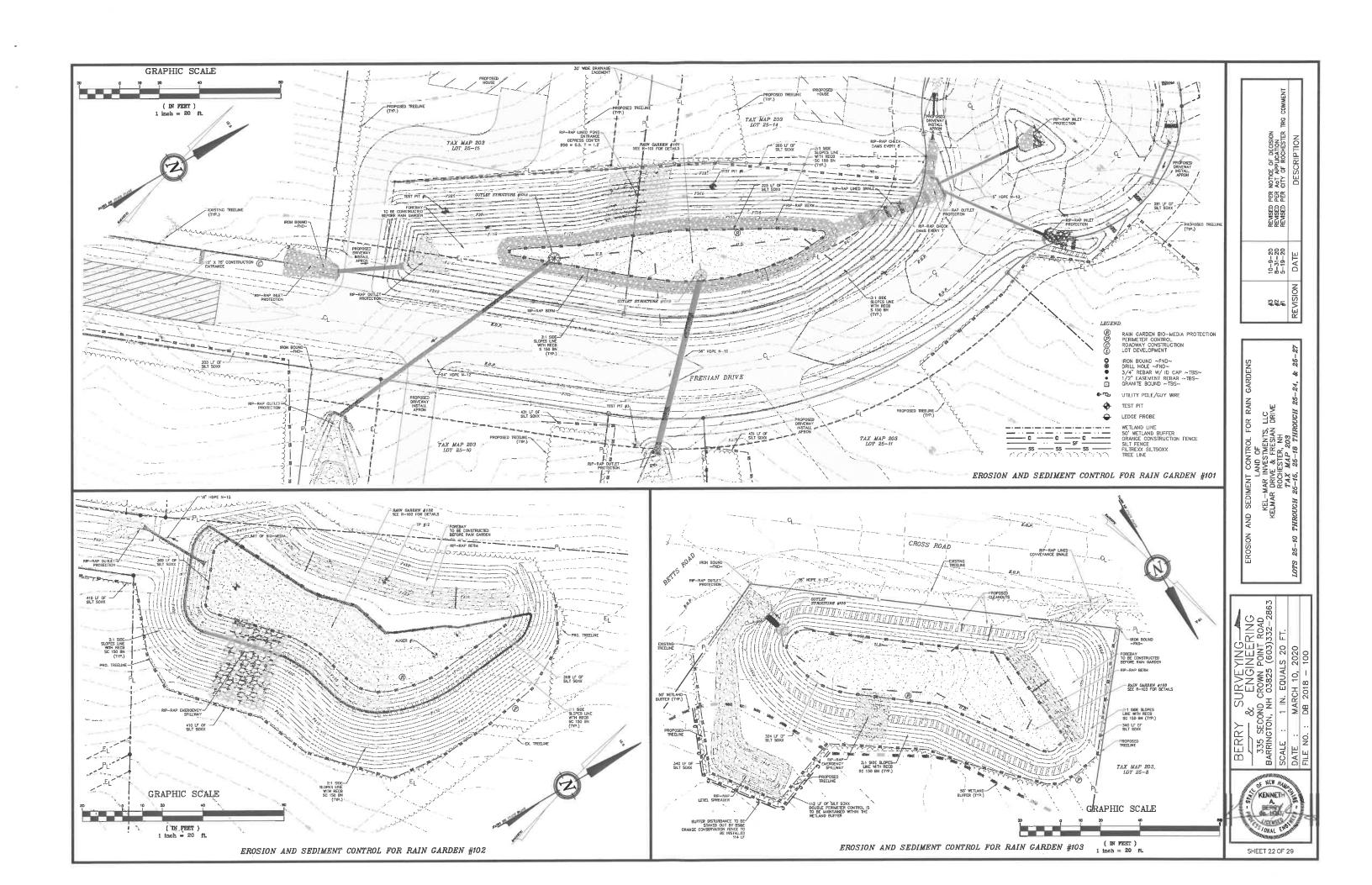
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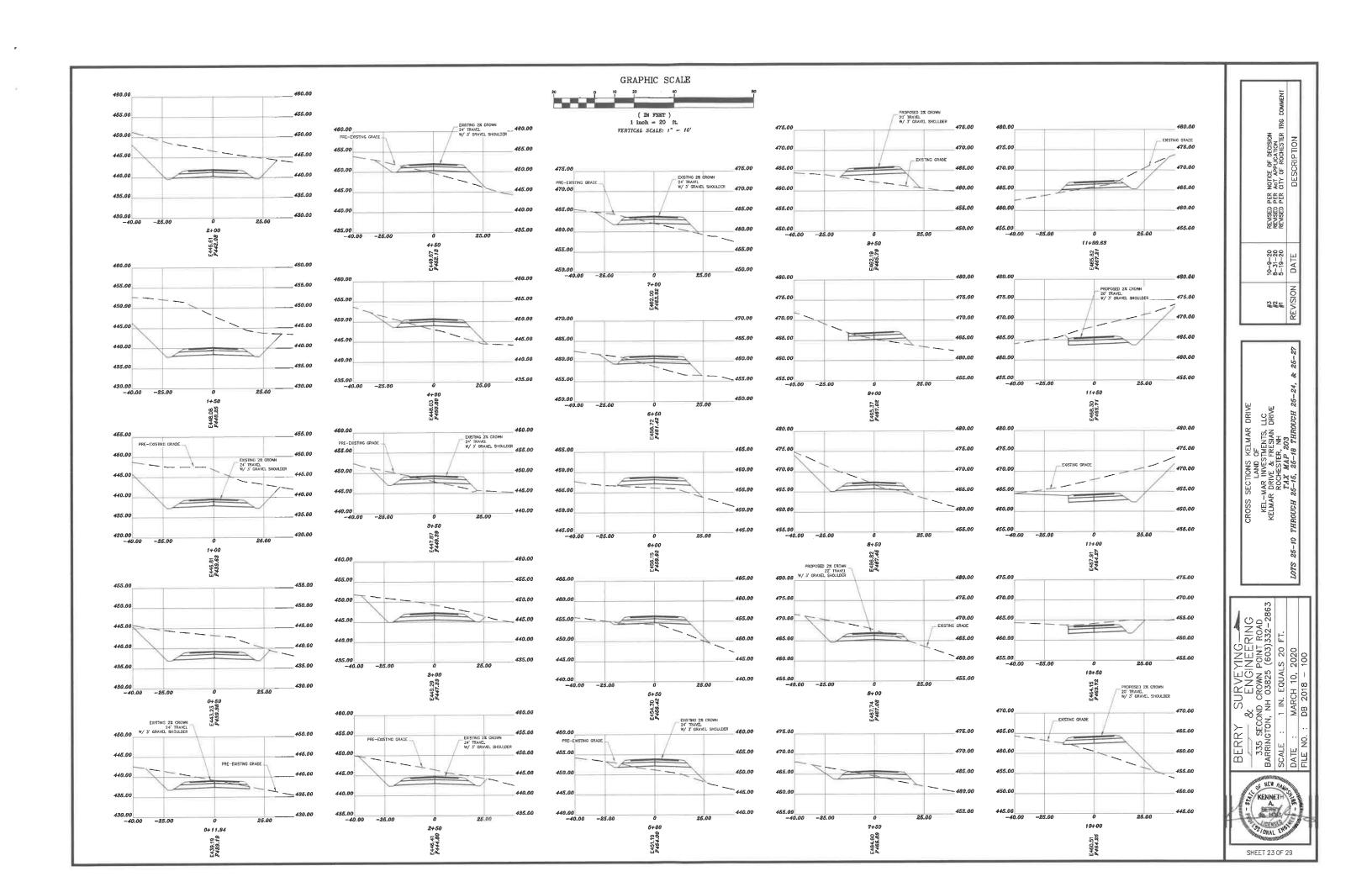
DATE : MARCH 10, 2020

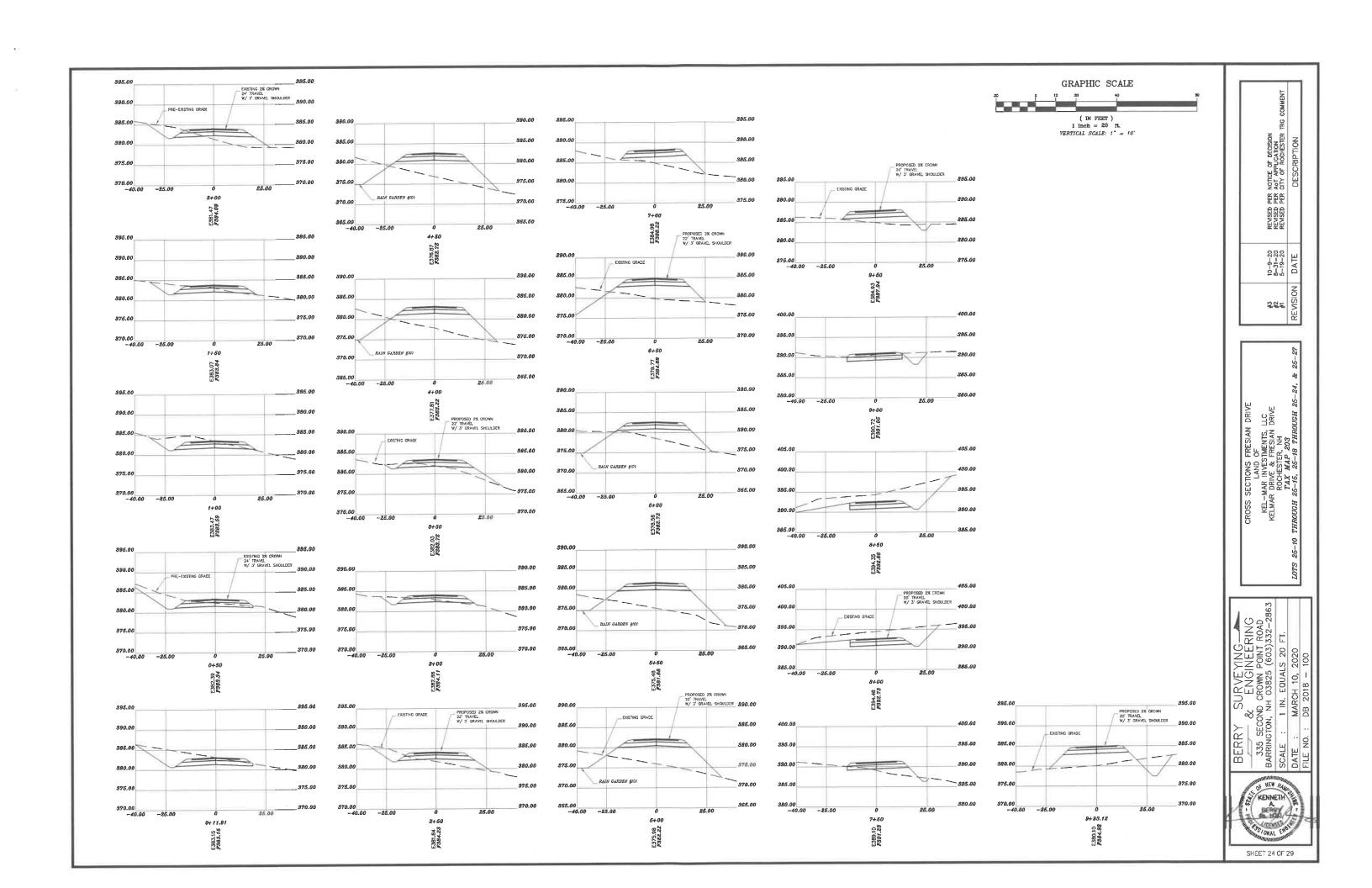
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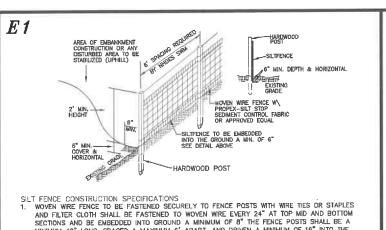


SHEET 21 OF 29









WOVEN WIRE FENCE TO BE PASIENCE DONCE IN MOVEN 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 6" APART, AND DRIVEN A MINIMUM OF 18" 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 PROPERTY 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

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.

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 75' SEE NOTE 2 MOUNTABLE BERM TOPTIONAL SEE NOTE 2) FILTER CLOTH PROFILE 10' MIN. EXISTING PAVEMENT

PLAN VIEW

PLAN VIEW

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 MOTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INCRESS OF GERSS OCCURS OR TO FEET, WHICH EVER'S GREATER.

5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO FLACING SHALL BE PIPED BENEATH THE 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 OF THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC CONDITIONS DELAND, AND REPAIR AND/OR CLEAN QUIT OF ANY MEASURES USED TO THE OTHER CHART SHALL SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTED MAY NEL SHAM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTED MAY HE SHAM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTED MAY HE SHAM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTED MAY NEL SHAM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTION EXIT, PAGE 124.

STONE CHECK DAM NOT TO SCALE

THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION. THE MAN IN MANAGE

SPACING BETWEN STRUCTURES

- CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS
- 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 THEN 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 STE PLANS.
 CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM. TEMPORARY CHECK DAMS WILL BE REMOYED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.

- SWALE OR DITCH IS DETERMINED STABLE.

 TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT
 CONTROL PRACTICES, TEMPORARY CHECK DAMS, PAGE 114.

NOT TO SCALE

CONSTRUCT AT

ANGLE OF REPOSE

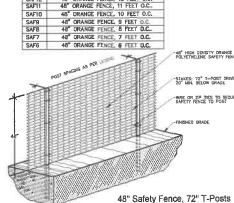
EXISTING

GRADE

E9

NOTE: KEY STONE INTO CHANNEL BANKS AND EXTEND IT BEYOND TO ABUTMENTS A MINIUM OF 18" TO PREVENT FLOW ARGUND THE DAM.

2"-3"
ANGULAR STONE



CONSTRUCTION SAFETY FENCE

SOUTHER, AREAS SHALL BE PROTECTIO AS ESP. PLAN.
THESE IN THE CONSTRUCTION HAS NOT SECREDIALLY DESIGNATED FOR REMOVAL SHALL BE
SERVED AND PROTECTED WITH HIGH WEBBUIT FERNEL AS PER PLAN.
IN PROCESSION, IN STALL HIGH WEBBUIT STEET COURSE OF THE BIRD LINE OF THE RIPE.
ETH FRINCE SHOULD BE FASTENED SCORELY TO THE T-POSTS.
PROMICE MUST REASON IN PLACE DERMO ALL PHASES OF CONSTRUCTION, ANY CHANGE OF THE

2'-0" MIN

EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:

1. 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 CLOSLY AS

THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSLY AS POSSIBLE.

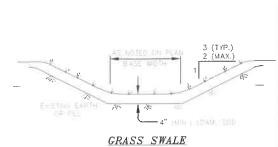
THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%.
SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100%, DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STRUMP GRINDINGS, COMPOSED BARK, OR TOUVIALENT MANUFACTURED PRODUCTS.
WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
THE MIX SHALL HOT CONTAIN SILTS, CLAY, OR FINE SANDS.
THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A SHINCH SCREEN.
THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A SHINCH SCREEN.
THE MIX SHALL HAVE A BETWEEN 5.0 AND 8.0.
THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
TO BE CONSTRUCTED LAW NI SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

EROSION CONTROL MIX BERM NOT TO SCALE

EROSION CONTROL MIX

1'-0" MIN.

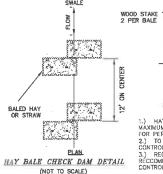
E3



NOT TO SCALE INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY.

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

2 - 2"x 2"x 3" OAK STAKES 20" TO 24" IN GROUND FILL SLOPE EXIST. GROUND ELEVATION OVERLAP EDGES



WOOD STAKE TYP.) MIN. 2 PER BALE 4" MIN, EMBEDMENT INTO 18" MIN. STAKED HAYBALE DETAIL

 HAY BALES BARRIERS MAY ONLY BE USED FOR A MAXIMUM OF 60 DAYS AND ARE NOT RECOMMENDED FOR PERIMETER CONTROL. OR PERIME IER CONTROL. 2.) TO BE INSTALLED IAW NH SWM #3, 4-2 SEDIMENT CONTROL, STRAW OR HAY BALE BARRIER.

3.) REQUIRED TO SHOW DETAIL, BUT DO NOT RECCOMEND USE OF HAY BALES FOR EROSION CONTROL.

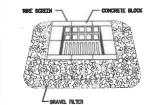
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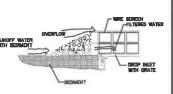
GRADE

INTO

KEY F

E7BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER





E4

MAINTENANCE

ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAIN STORM AND REPAIRS 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

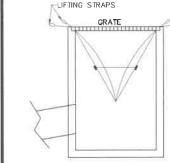
NOT TO SCALE

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

E8 TEMPORARY EROSION CONTROL MEASURES

- 1. 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 $4^{\prime\prime}$ OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS THIS SHED
- 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 SEDIM CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SM AND RE-VEGETATED.
- PER THE EPA CCP REQUIREMENTS THERE WILL BE REPORTS OF THE EROSION CONTROL INSPECTIONS IAW SWEPP PREPARED BY BSAE. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.5° OR GREATER RAIN EVENT.
- DITCHES SWALES AND BASING SHALL BE STABILIZED PRIOR TO DIRECTING RUNDER 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.
- 10. DRIVEWAYS AND CUT AND FILL SPLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 A MINNUM OF 85 PERCENT VEGRATED GROWTH HAS BEEN ESTABLISHED...
 A MINNUM OF 25 INCHES OF MON-EROSIVE MANERIAL SUCH AS STOME OR RIP-RAP HAS
 A MINNUM OF 25 INCHES OF MON-EROSIVE MANERIAL SUCH AS STOME OR RIP-RAP HAS
- BEEN INSTALLED.

 11.4 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)



-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.

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

SILTSACK DETAIL NOT TO SCALE

E - 101

EYING SINEERING POINT ROAD 5 (603)332-2863 SURVEY SW ENGIN SOND CROWN F I, NH 03825 AS SHOWN MARCH 10, 2 DB 2018 - 1 OF NEW HALE

TICE OF DECISION APPLICATION Y OF ROCHESTEI

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OSION & SEDIMENT CONTROL D
LAND OF
KEL-MAR INVESTMENTS, LLC
KELMAR DRIVE & FRESIAN DRIV
ROCHESTER, NH
TAX MAP 203
TAX MAP 203
ROUGH 25-15, 26-18 THROUGH

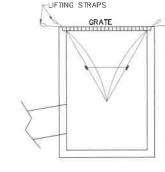
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SHEET 25 OF 29

Filtrexx International, LLC 35481 Grafton Eastern Rd | Grafton, Oh 44044 440–926–2807 | fax: 440–925–4021 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



- ARE SUBJECT TO DAMAGE BY SNOW PLOWS, AND MUST BE INSPECTED AFTER ANY SNOW EVENT AND REPLACED AS REQUIRED.

TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY STORM DRAIN INLET PROTECTION, PAGE 118. FILTREXX SEDIMENT E11 CONTROL3.0 LIFTING STRAPS 2"X2"X36" WOODEN STAKES PLACED 10' O.C. - FILTREXX SOXX SILT FENCE-AS NOTED AREA TO BE PROTECTED

(SEE SECTION) -FILTREXX SOXX (12" TYPICAL) AREA TO BE PROTECTED WATER FLOW WORK AREA \underline{PLAN} not to scale

2"X2"X36" WOODEN STAKES

NOTES

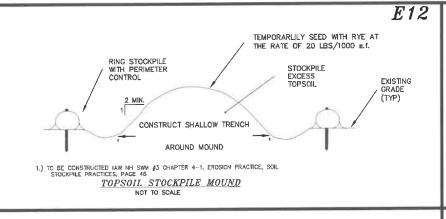
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIRMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON STIE, AS DETERMINED BY ENGINEER.
4. SILTSOX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT DADPIFES.

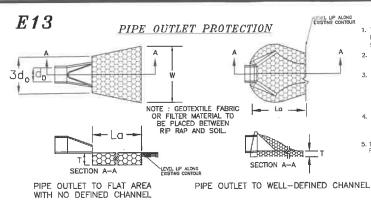
BARRIERS.
SILTSOXX COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS
NECESSARY TO MEET THE REQUIRMENTS OF THE SPECIFIC APPLICATION.
FILTREXX SOXX IS A REGISTRED TRADEMARK OF FILTREXXIN TERNATIONAL LLC.
SILT FENCE IS NOT A SUBSTITUTION FOR SILT SOXX AND ANY EQUAL
SUBSTITUTION TO BE APPROVED.
TO BE CONSTRUCTED IAW FILTREXX, SECTION 1:ERGISON & SEDIMENT CONTROL
(PAGE 323) — CONSTRUCTION ACTIVITIES, SWPPP CUT SHEET: FILTREXX
SEDIMENT CONTROL.

NOT TO SCALE BLOWN/PLACED FILTER MEDIA-

Muddon figeon figeosfilm (1904)

SECTION NOT TO SCALE





PIPE OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS

- THE SUB GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS. SPECIFIED GRADATION.
- 2. THE ROCK OR GRAVEL USED FOR FILTER OF RIP RAP SHALL CONFORM TO NHOOT
- 3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PLINCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
- 4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
- 5. TO BE CONSTRUCTED IAW NH SWM #2 4-6 CONVEYANCE PRACTICES, 6. OUTLET PROTECTION, PAGE 172.

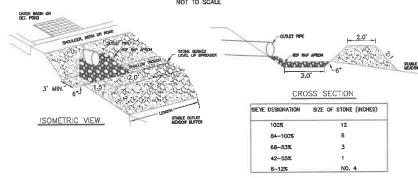
E14

TABLE	7-24F	RECOMMENDED	RIP	RAF	GF	RADATIO	N	RANGES
d50 SI	ZE=	0.5	FEE	T.		6	Iħ	NCHES
	WEIGHT SW THE GIVEN	ALLER d50 SIZE		SIZE ROM		STONE	(18	NCHES) TO
	100%			9				12
	85%		8	3				11
	50%		1	3				9
	15%			2				3
TABLE	7-24F	ECOMMENDED	RIP	RAF	GF	RADATIO	N	RANGES

TABLE 7-24-	-RECOMMENDE	D RIP RAF	GRADAT	ION RANGES
d50 SIZE≂	1.0	FEET	12	INCHES
% OF WEIGHT THAN THE GIV		SIZE FROM		E (INCHES) TO
100%		18		24
85%		16		22
50%		12		18
15%		4		6

E15

STONE BERM LEVEL SPREADER NOT TO SCALE



- 1, CONSTRUCT THE LEVEL SPREADER LIP ON A 0% GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- 2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
- 3. 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.
- 4. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE—CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- 5. MAINTENANCE: THE LEVEL SPREADER SHOULD BE CHECKED PERIODICALLY AND AFTER EVERY MAINTENANCE: THE LEVEL SPREADLY STROUGH OF 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.
- 6 REFERENCE IS MADE TO NHDES SWM VOL. 2, 4-6, STONE BERM LEVEL SPREADERS, PAGE 162

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.

NOTE: Temporary seed mix for stabilization turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 a.f. and shall be placed prior to OCT, 15, if permanent seeding not yet complete. SEEDING GUIDE POORLY DRAINED SEEDING WELL DROUGHTY DRAINED DRAINED FAIR FAIR POOR 0000 FAR EXCELLENT POOR WATERWAYS, EMERGENCY SPRLWAYS, AND OTHER CHANNELS WITH GOOD GOOD FAIR EXCELLENT NT FAIR GDOD GOOD G000 EXCELLENT EXCELLENT 2/ FAIR GRAVEL PIT, SEE NH-PM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION O SAND AND GRAVEL PITS. 1/ REFER TO SEEDING MOTURES AND RATES IN TABLE 7-36.
27 POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

SEEDING SPECIFICATIONS

SEE RAIN GARDEN SEED MIX LOCATED ON RAIN GARDEN PLANS

- GRADING AND SHAPING
- A. SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDEED PREPARATION EDDEED PREPARATION

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

 B. STOMES 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 A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF

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

SHOULD BE BASED ON AN AMOUNTS SHOULD BE APPLIED:
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(P205), 100LBS, PER ACRE OR 2,2LBS, PER 1,000 SQ.FT. POTASH(K20), 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.)

SEEDING RATES

OCTURE.	POUNDS PER ACRE	POUNDS PER 1.000 Sc. Ft.
L TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
RED TOP	2	0.05
TOTAL	42	0.85
I. TALL FESCUE CREEPING RED FESCUE CROWN VETCH OR	15 10 15	0.35 0.25 0.35
FLAT PEA TOTAL	40 OR 55	0.75 0.95 OR 1.35
C. TALL FESCUE	24	0.55
CREEPING RED FESCUE	24	0.55
BIRDS FOOT TREFOIL	#140VE	2040VD
). TALL FESCUE	20	0.45
FLAT PEA	30	0.75
TOTAL	50	1.20
E CREIEPINO RED FESCUE 1/	50	1.15
KENTUCKY BLUEGRASS 1/	50	1.15
TOTAL	100	2.30
TALL FESCUE 1	150	3,60

CONSERVATION MIX	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
TALL FESCUE (35%)	15	0.35
CREEPING RED FESCUE (25%)	15	0.35
ANNUAL RYEGRASS (12%)	5	0.12
PERENNIAL RYEGRASS (10%)	5	0.12
KENTUCKY BLUEGRASS (10%)	15	0.35
WHITE CLOVER (3%)	7	0.15

ONSERVATION MIX	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
ALL FESCUE (35%)	15	0.35
REEPING RED FESCUE (25%)	15	0.35
NNUAL RYEGRASS (12%)	5	0.12
ERENNIAL RYEGRASS (10%)	5	0.12
ENTUCKY BLUEGRASS (10%)	15	0.35
HITE CLOVER (3%)	7	0.15

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE

- B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLIDE BROADCASTING, DRILLING AND HYDROSEEDING, WHERE BROADCASTANG IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING. C. REFER TO TABLE(G-E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-E1 THIS SHEET) FOR RATES OF SEEDING, ALL LEGOMES (CROWNEVECH, BIRDSPOOT TREFOIL, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INDOCULANT.

 D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
- 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.
- MAINTENANCE TO ESTABLISH A STAND A. PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE
- MEED GROWTH.

 MEED GROWTH.

 FRITIZATION NEEDS SHOULD BE DETERMINED BY ONSTE INSPECTIONS. SUPPLEMENTAL FERRILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAWE 2 TO 3 YEARS TO BECOME ESTABLISHED.

 IN WATERWAYS, CHANNELS, OR SWALES WHERE UNFORM FLOW COUNTIONS 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. SEE RAIN GARDEN AND INFILTRATION DETAIL SHEETS FOR SPECIFIC PLANTING INSTRUCTIONS AND

WINTER STABILIZATION NOTES

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CONTROL
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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 "JUTHE 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 OCTOBER 15TH, ANY SNOW THAT ACCOMPLIATES 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 R TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE NTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH REGINEERING FABRIC, THIS HALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.

3. PRIOR TO OCT. 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 RUNGOF AND MILEDUCE 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 OCTOBER 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 MILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEEDED BY THIS DATE. AFTER DOCTOBER 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:

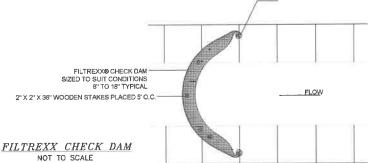
PER ENV-WQ 1500 ALTERATION OF TERRAIN

- 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.

- 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. DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZED AND MEASURES SHOULD BE IN PLACE WITHIN SOVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF ACLIENCE MATCH DAYO OR A WEST AND ADD A MORE THAN A CALENDAR A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALÉNDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING

E19



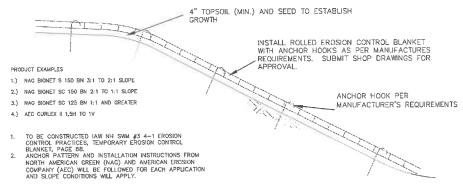
- NOTES:

 1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
- 2. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 1 ACRE OR LESS. 3. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE

EXCESS SOCK MATERIAL TO BE DRAWN IN AND TIED OFF TO STAKE AT BOTH ENDS

3. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHEEK DAM SINCE THE ACCUMULATED HEIGHT HAS REACHED & THE HEIGHT OF THE CHECK DAM.
4. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
5. CONTRACTOR IS REQUIRED TO BE A FILTREXX CERTIFIED INSTALLER.

E20



ROLLED EROSION CONTROL BLANKET (RECB) SLOPE STABILIZATION DETAIL

NOT TO SCALE

E21 CONSTRUCTION SEQUENCE:

- 1.) CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.
- 2.) CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDMENT CONTROL MEASURES SHALL BE INSTALLED PROR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES EXPARTMENTS.
- 3.) 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.
- 4.) CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
- 5.) CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
- 6.) CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY
- a.) INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING, ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDED 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 MULT, OR AS REQUIRED, ALL, OR DAWAYS, AND FARKING AREAS SHALL BE STABILIZED MULTOR TO A FOLDIER OF ACHIEVING FINISHED ORADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
- 10.) CONSTRUCT TEMPORARY BERMS, DRAINS DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- 11.) INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, ALL SWEPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL EVIGINEER (PC). A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPSSO), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSUR) AC CERTIFIED PROFESSIONAL STORM WATER INSPECTOR (CITES OF A CERTIFIED PROFESSIONAL STORM WATER ODIALITY (CPSMO), INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.
- 13.) REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
- 14.) SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
- 15.) FINISH PAYING ALL ROADWAYS.

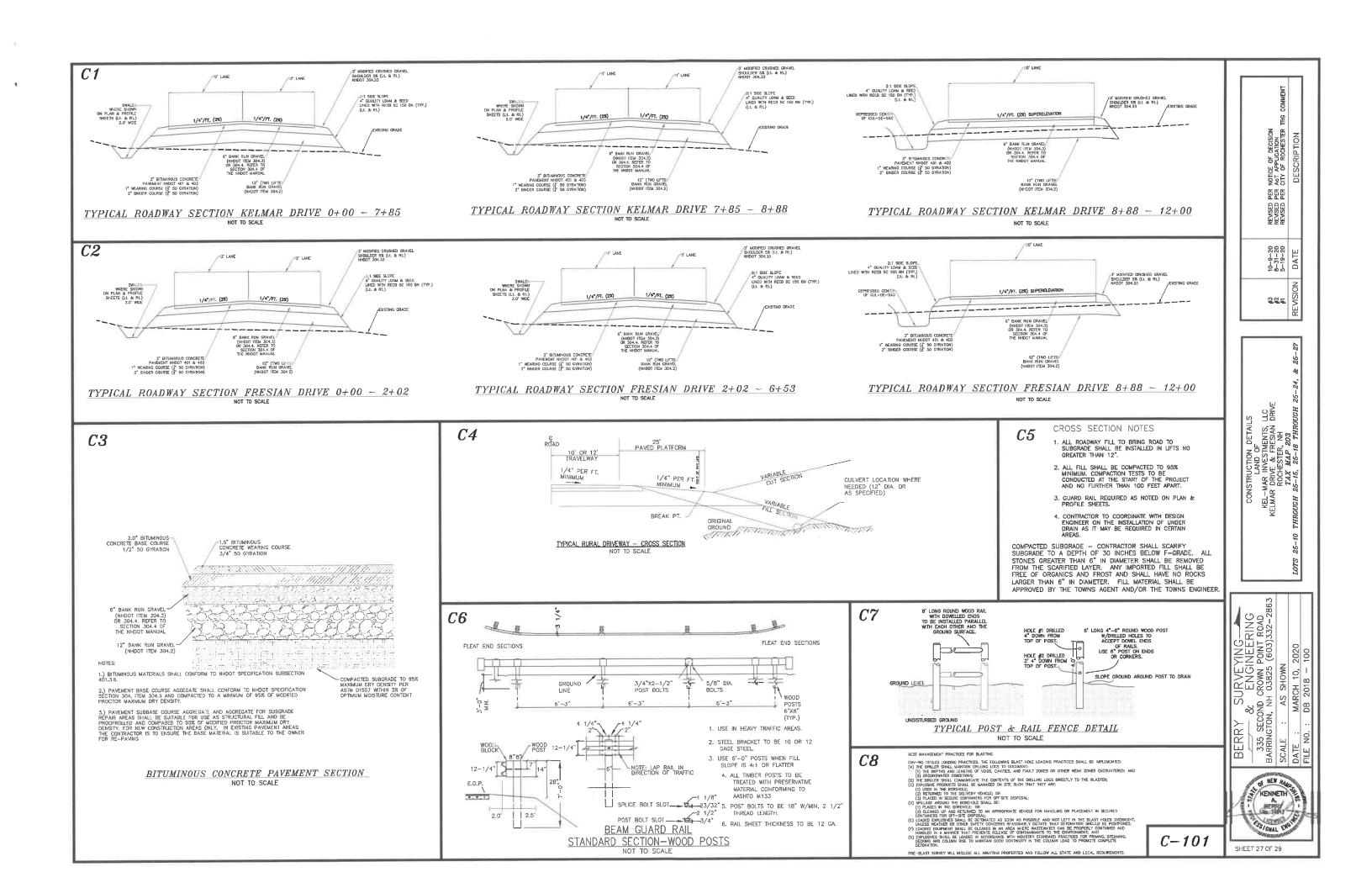
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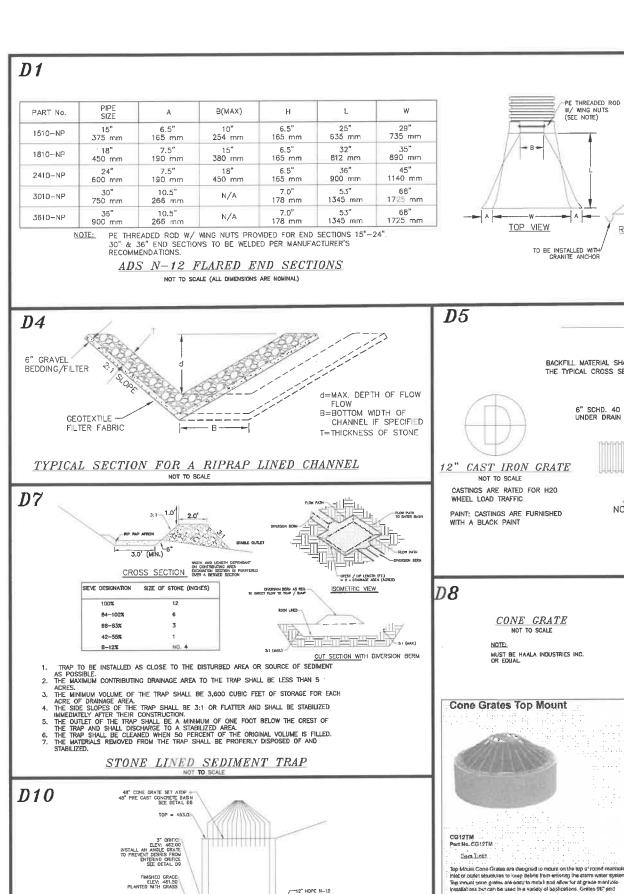
SHEET 26 OF 29

KEL-MAR IN KELMAR DRIVE ROCH TAX YING INEERING POINT ROAD (603)332-2863

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335 SECOND CROWN PC
335 SECOND CROWN PC
BARRINGTON, NH 03825 (6
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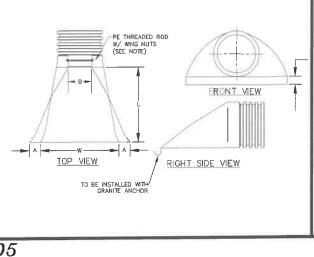




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OUTLET STRUCTURE #11 (KELMAR DRIVE CUL-DE-SAC)

NOT TO SCALE



BACKFILL MATERIAL SHALL BE

6" SCHD, 40

NOT TO SCALE

CONE GRATE

MUST BE HAALA INDUSTRIES INC. OR EQUAL.

larger are made as a two peop, bull together design.

Prate and ber hybrid dereign is holft death and deat effective Made from 127 fate with 318" of 1" recurs bark depending on greate dat Alex vortex pits can be added upon request !

Hinged and lockable access doors can be added upon request !

Galveraged steel constitution, Can be made from eluminium or star-like

UNDER DRAIN PIPE

ADS N-12 INLINE DRAIN

D9

AGORDS-58

NOT TO SCALE USED FOR CLEANOUTS

THE TYPICAL CROSS SECTION PROVIDED

CAST IRON GRATE

ANGLE GRATE

MUST BE HAALA INDUSTRIES INC. OR EQUAL.

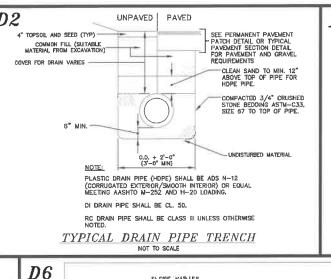
Angle Grattes are designed to cover finet orifices and preven it immail to meet un'debtes from passing lithough. The lop angled design halos to mylimize the parount of debte this restalles on together the water records. All grates are made from plate for a clean and amouth contact surface.

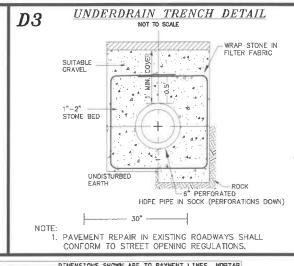
Mounting flanges on Saides allows grate to be mounted at floor level

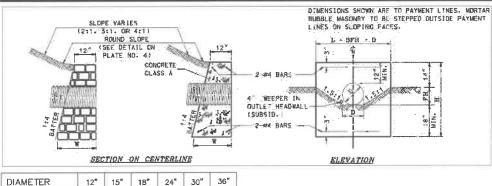
Galvanized steel construction. Can be made from atum.num. o stainless

Pliste davign for a clean appearance
 Standard 2" openings (other sizes can be made)
 August approved plate to maximize debtes deflection.

Angle Grates For Manholes







HEADWALLS (MASONRY & CONCRETE) NOT TO SCALE

9 11 14 20 25 STEEL (Lbs.) ALL STEEL SHALL BE #5 REINFORCING STEEL, SPACED @ 12" ON CENTER SEE NHOOT DETAIL HW-1

SHEA

No. and Sec. 1950.

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(JSHEA

PROPERTY OF

CONC. (Cu.Yd.) 0.61 0.85 1.13 1.78 2.58 3.53

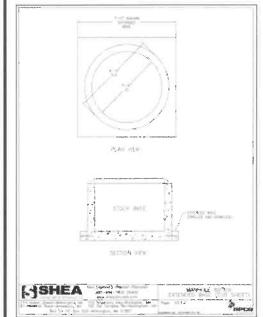
3'-2" 3'-10" 5'-2" 7'-2" 9'-2" 11'-2"

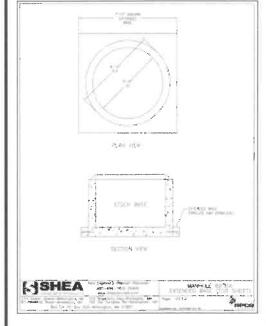
60" MANHOLE RECTANGLE EXTENDED BASE

ENTEROOD BASE COCKALD

NOT TO SCALE







OF NEW HA STONAL E SHEET 28 OF 29

D-101

밁 ENTS, ESIAN NH 803 DRAINAGE DETA
LAND OF
LAND OF
KEL-MAR INVESTMEN
KELMAR DRIVE & FRES
ROCHESTER, N
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APPLICATION
OF ROCHESTER

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YING— SINEERING POINT ROAD 5 (603)332–2863 AAY
335 SECONE
BARRINGTON, N.
SCALE :
DATE

