

LOCATION MAP  
SCALE: 1" = 2,000'

# THE HOMESTEAD SUBDIVISION - PHASE II

FOR

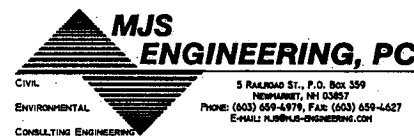
GERRIOR LANE TRUST  
1550 FALMOUTH ROAD, SUITE 15  
CENTERVILLE, MA 02632

MAY 15, 2013

## OWNER

GERRIOR LANE TRUST  
1550 FALMOUTH ROAD, SUITE 15  
CENTERVILLE, MA 02632

## ENGINEER



## SURVEYOR

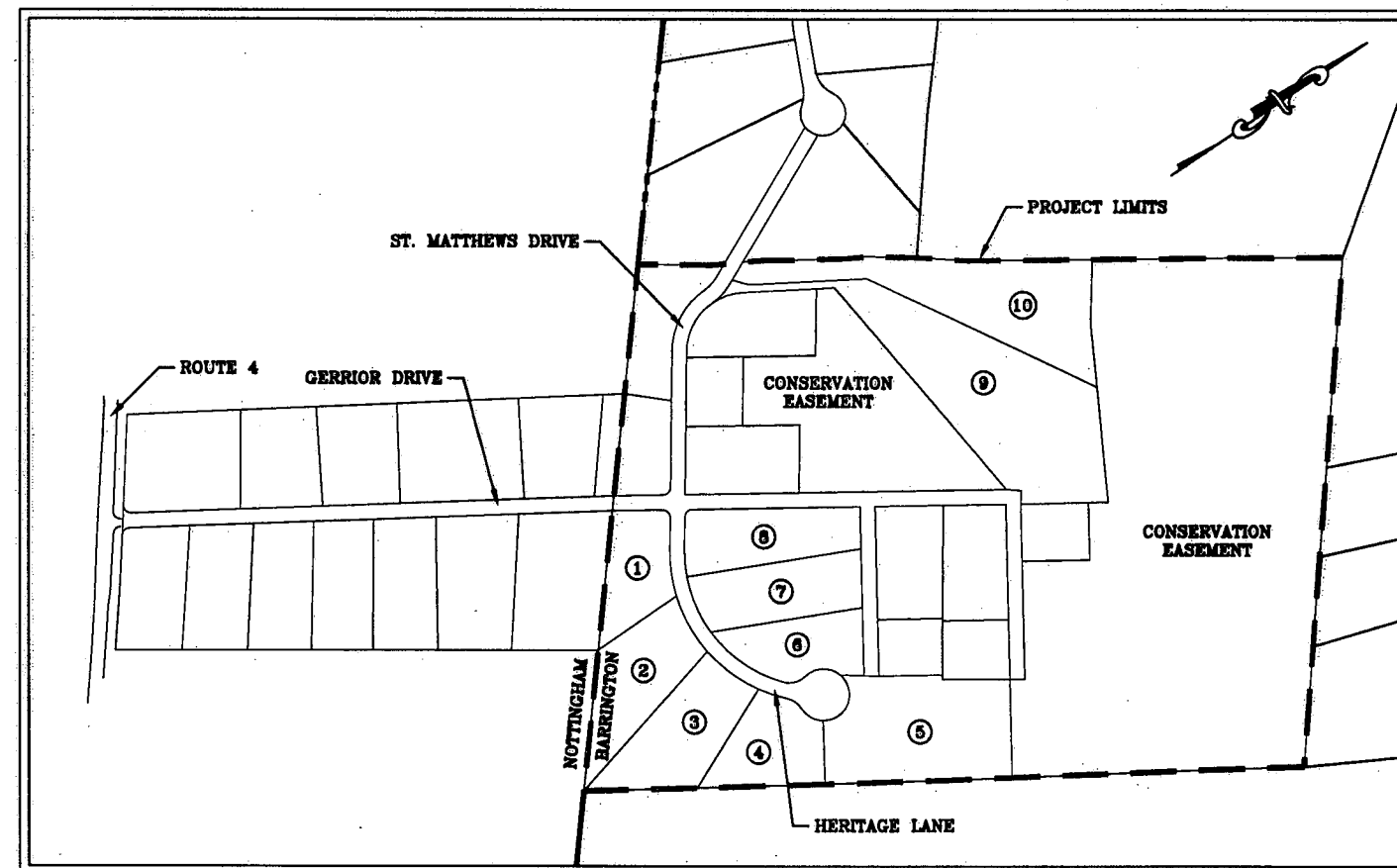


## WETLAND SCIENTIST

WEST ENVIRONMENTAL, INC.  
122 MAST ROAD, SUITE 6  
LEE, NH 03824  
(603) 659-0416  
CONTACT: MARK WEST

## SOIL SCIENTIST

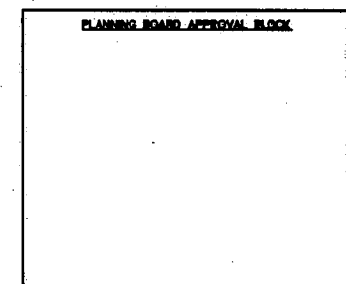
JOSEPH W. NOEL  
P.O. BOX 174  
S. BERWICK, ME  
(207) 384-5587



SCALE: NTS

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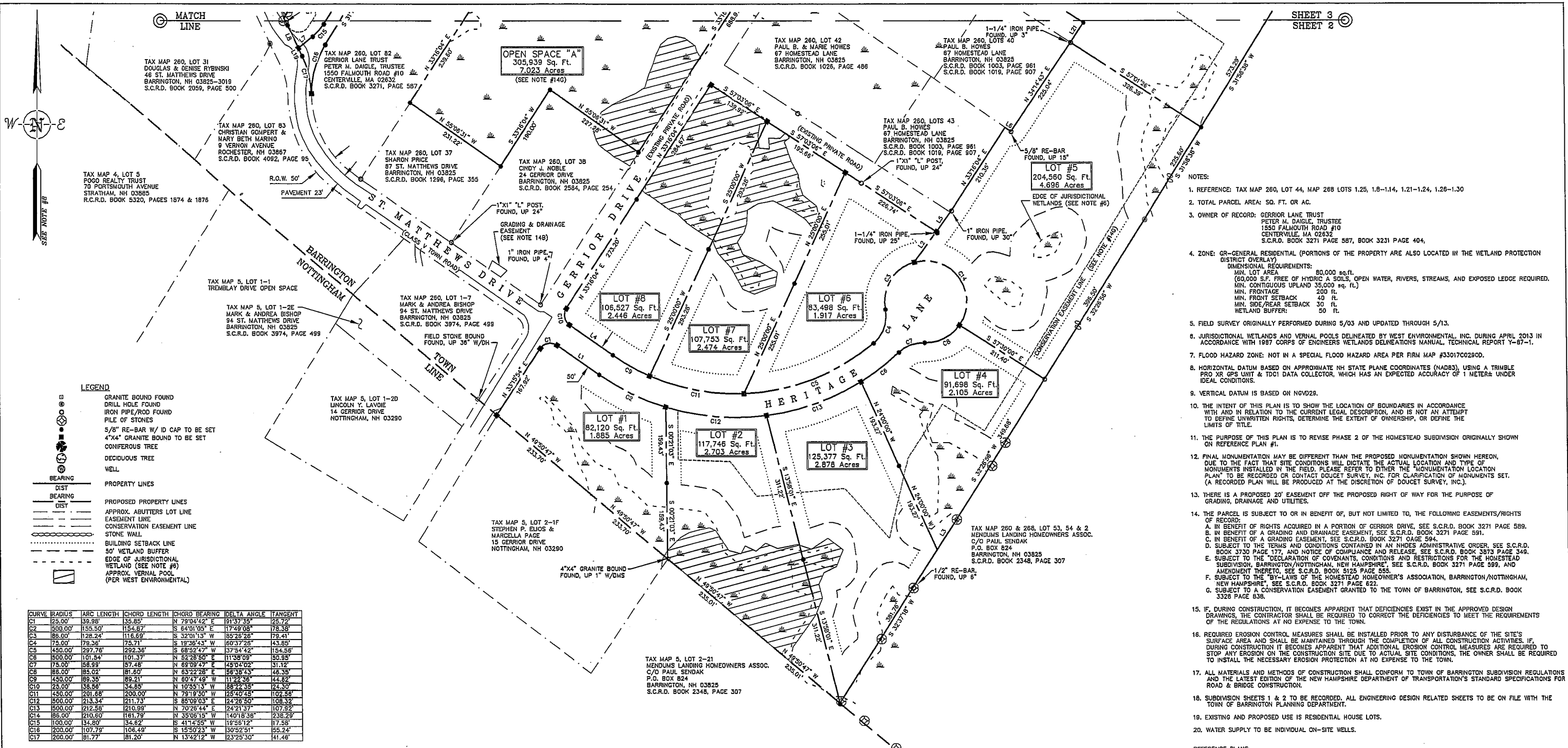


LAND USE OFFICE

MAY 15 2013

RECEIVED

NO.	REVISIONS	DATE	INT.
1.	INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD	5/15/13	MJS



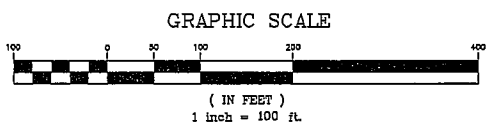
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	25.00'	39.98'	35.85'	N 79°04'42" E	91°37'35"	25.72'
C2	500.00'	155.50'	154.87'	S 64°01'05" E	17°49'08"	78.39'
C3	86.00'	128.24'	116.69'	S 32°01'13" W	85°26'26"	79.41'
C4	75.00'	79.36'	75.71'	S 19°36'43" W	60°37'25"	43.85'
C5	450.00'	287.76'	292.36'	S 68°24'27" W	37°54'42"	154.56'
C6	500.00'	101.54'	101.37'	N 62°28'50" E	11°58'09"	50.35'
C7	75.00'	58.93'	57.48'	N 69°09'47" E	45°04'02"	31.12'
C8	86.00'	85.02'	81.60'	N 63°22'26" E	56°38'43"	46.35'
C9	450.00'	89.35'	89.21'	N 60°47'49" W	11°22'36"	44.62'
C10	25.00'	38.56'	34.85'	N 10°55'13" W	88°22'35"	24.30'
C11	450.00'	201.68'	200.00'	N 79°19'30" W	25°40'45"	102.58'
C12	500.00'	213.34'	211.73'	S 85°09'03" E	24°28'50"	108.32'
C13	500.00'	212.58'	210.99'	N 70°26'44" E	24°21'37"	107.92'
C14	86.00'	210.60'	161.79'	N 35°06'15" W	140°18'38"	238.29'
C15	100.00'	34.80'	34.62'	S 41°14'55" W	18°56'12"	17.58'
C16	200.00'	107.79'	106.49'	S 15°50'23" W	30°52'51"	55.24'
C17	200.00'	81.77'	81.20'	N 13°42'12" W	12°25'30"	41.46'

LINE	BEARING	DISTANCE
L1	S 55°06'31" E	108.21'
L2	S 35°53'21" W	78.18'
L3	S 32°37'18" W	75.10'
L4	N 55°08'31" W	111.04'
L5	N 35°53'21" E	50.07'
L6	S 57°03'08" E	14.94'
L7	S 51°13'00" W	38.93'
L8	N 25°24'45" W	53.95'
L9	N 25°50'26" E	57.09'
L10	N 34°38'58" E	83.11'
L11	N 32°10'23" E	121.93'
L12	N 33°36'34" E	56.77'
L13	N 28°18'13" E	74.40'
L14	N 35°33'20" E	96.03'
L15	N 39°09'25" E	72.36'
L16	N 31°16'48" E	60.42'
L17	N 53°51'14" W	44.79'
L18	S 39°18'57" W	50.00'
L19	N 25°24'49" W	18.22'
L20	S 33°16'04" W	67.64'
L21	N 32°58'34" E	50.00'

LOT #	TAX MAP / LOT NUMBER	FRONTAGE	AREA (SQ. FT.)	AREA (ACRES)	CONTIGUOUS UPLANDS (SQ. FT.)	TOTAL UPLANDS (SQ. FT.)
1	TBD	471.61'	82,120	1.885	63,039	63,039
2	TBD	213.34'	117,748	2.703	62,786	74,289
3	TBD	212.58'	125,377	2.878	120,365	120,365
4	TBD	243.56'	91,698	2.105	75,305	75,305
5	TBD	210.60'	204,560	4.696	184,625	191,500
6	TBD	942.70'	83,498	1.917	83,498	83,498
7	TBD	387.34'	107,753	2.474	84,161	85,707
8	TBD	936.74'	106,527	2.446	64,563	72,869
9	TBD	68.87'	215,830	4.950	188,071	201,980
10	TBD	99.59'	314,585	7.222	237,662	256,826

APPROVED DATE  
BARRINGTON, N.H.  
PLANNING BOARD

THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

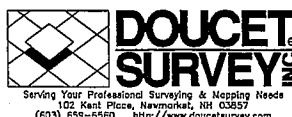


LAND USE OFFICE  
MAY 15 2013  
RECEIVED

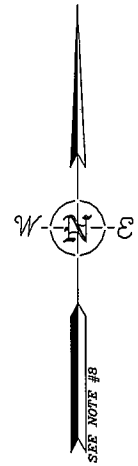
SUBDIVISION OF LAND  
"THE HOMESTEAD"  
PHASE 2-REVISED  
OWNED BY  
GERRIOR LANE TRUST  
(TAX MAP 260, LOT 44 AND  
TAX MAP 268 LOTS 1.25, 1.8-1.14, 1.21-1.24 & 1.26-1.30)  
GERRIOR DRIVE  
BARRINGTON, NEW HAMPSHIRE

I certify that this survey and plan were prepared by me or by those under my direct supervision and falls under the Urban Survey Classification of the NH Code of Administrative Rules of the Board of Licensure for Land Surveyors. I certify that this survey was made on the ground and is correct to the best of my knowledge and belief. Random traverse survey by Total Station, with a precision greater than 1:15,000.

DRAWN BY:	M.W.F.	DATE:	MAY 14, 2013
CHECKED BY:	S.V.M.	DRAWING NO.:	3394B
JOB NO.:	3394	SHEET	1 OF 2



- NOTES:
- REFERENCE: TAX MAP 260, LOT 44, MAP 268 LOTS 1.25, 1.8-1.14, 1.21-1.24, 1.26-1.30
  - TOTAL PARCEL AREA: SQ. FT. OR AC.
  - OWNER OF RECORD: GERRIOR LANE TRUST  
PETER M. DAIGLE, TRUSTEE  
1550 PALMOUTH ROAD #10  
CENTERVILLE, MA 02632  
S.C.R.D. BOOK 3271 PAGE 587, BOOK 3231 PAGE 404.
  - ZONE: GR-GENERAL RESIDENTIAL (PORTIONS OF THE PROPERTY ARE ALSO LOCATED IN THE WETLAND PROTECTION DISTRICT OVERLAY)  
DIMENSIONAL REQUIREMENTS:  
MIN. LOT AREA: 80,000 sq. ft.  
MIN. LOT AREA FREE OF HYDRIC SOILS: OPEN WATER, RIVERS, STREAMS, AND EXPOSED LEDGE REQUIRED.  
MIN. CONTIGUOUS UPLAND: 35,000 sq. ft.  
MIN. FRONTAGE: 200 ft.  
MIN. FRONT SETBACK: 40 ft.  
MIN. SIDE/REAR SETBACK: 30 ft.  
WETLAND BUFFER: 50 ft.
  - FIELD SURVEY ORIGINALLY PERFORMED DURING 5/03 AND UPDATED THROUGH 5/13.
  - JURISDICTIONAL WETLANDS AND VERNAL POOLS DELINEATED BY WEST ENVIRONMENTAL, INC. DURING APRIL 2013 IN ACCORDANCE WITH 1987 CORPS OF ENGINEERS WETLANDS DELINEATIONS MANUAL, TECHNICAL REPORT Y-87-1.
  - FLOOD HAZARD ZONE: NOT IN A SPECIAL FLOOD HAZARD AREA PER FIRM MAP #33017C0290D.
  - HORIZONTAL DATUM BASED ON APPROXIMATE NH STATE PLANE COORDINATES (NAD83), USING A TRIMBLE PRO XR GPS UNIT & TDC1 DATA COLLECTOR, WHICH HAS AN EXPECTED ACCURACY OF 1 METER UNDER IDEAL CONDITIONS.
  - VERTICAL DATUM IS BASED ON NAVD28.
  - THE INTENT OF THIS PLAN IS TO SHOW THE LOCATION OF BOUNDARIES IN ACCORDANCE WITH AND IN RELATION TO THE CURRENT LEGAL DESCRIPTION, AND IS NOT AN ATTEMPT TO DEFINE UNWRITTEN RIGHTS, DETERMINE THE EXTENT OF OWNERSHIP, OR DEFINE THE LIMITS OF TITLE.
  - THE PURPOSE OF THIS PLAN IS TO REVISE PHASE 2 OF THE HOMESTEAD SUBDIVISION ORIGINALLY SHOWN ON REFERENCE PLAN #1.
  - FINAL MONUMENTATION MAY BE DIFFERENT THAN THE PROPOSED MONUMENTATION SHOWN HEREON, DUE TO THE FACT THAT SITE CONDITIONS WILL DICTATE THE ACTUAL LOCATION AND TYPE OF MONUMENTS INSTALLED IN THE FIELD. PLEASE REFER TO EITHER THE "MONUMENTATION LOCATION PLAN" TO BE RECORDED OR CONTACT DOUCET SURVEY, INC. FOR CLARIFICATION OF MONUMENTS SET. (A RECORDED PLAN WILL BE PRODUCED AT THE DISCRETION OF DOUCET SURVEY, INC.).
  - THERE IS A PROPOSED 20' EASEMENT OFF THE PROPOSED RIGHT OF WAY FOR THE PURPOSE OF GRADING, DRAINAGE AND UTILITIES.
  - THE PARCEL IS SUBJECT TO OR IN BENEFIT OF, BUT NOT LIMITED TO, THE FOLLOWING EASEMENTS/RIGHTS OF RECORD:  
A. IN BENEFIT OF RIGHTS ACQUIRED IN A PORTION OF GERRIOR DRIVE, SEE S.C.R.D. BOOK 3271 PAGE 589.  
B. IN BENEFIT OF A GRADING AND DRAINAGE EASEMENT, SEE S.C.R.D. BOOK 3271 PAGE 591.  
C. IN BENEFIT OF A GRADING EASEMENT, SEE S.C.R.D. BOOK 3271 PAGE 594.  
D. SUBJECT TO EASEMENTS CONTAINED IN AN RHODES ADMINISTRATIVE ORDER, SEE S.C.R.D. BOOK 3730 PAGE 177, AND NOTICE OF COMPLIANCE AND RELEASE, SEE S.C.R.D. BOOK 3873 PAGE 349.  
E. SUBJECT TO THE "DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS FOR THE HOMESTEAD SUBDIVISION, BARRINGTON/NOTTINGHAM, NEW HAMPSHIRE", SEE S.C.R.D. BOOK 3271 PAGE 589, AND AMENDMENT THEREOF, SEE S.C.R.D. BOOK 3125 PAGE 555.  
F. SUBJECT TO THE "BY-LAWS OF THE HOMESTEAD HOMEOWNER'S ASSOCIATION, BARRINGTON/NOTTINGHAM, NEW HAMPSHIRE", SEE S.C.R.D. BOOK 3271 PAGE 622.  
G. SUBJECT TO A CONSERVATION EASEMENT GRANTED TO THE TOWN OF BARRINGTON, SEE S.C.R.D. BOOK 3326 PAGE 656.
  - IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
  - REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
  - ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
  - SUBDIVISION SHEETS 1 & 2 TO BE RECORDED. ALL ENGINEERING DESIGN RELATED SHEETS TO BE ON FILE WITH THE TOWN OF BARRINGTON PLANNING DEPARTMENT.
  - EXISTING AND PROPOSED USE IS RESIDENTIAL HOUSE LOTS.
  - WATER SUPPLY TO BE INDIVIDUAL ON-SITE WELLS.



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TAX MAP 260, LOT 22.3  
SEAN O'BRIEN  
12 WHITEHALL ROAD  
ROCHESTER, NH 03867  
S.C.R.D. BOOK 3165, PAGE 81

TAX MAP 260, LOT 17  
KERI NEAL  
24 PARTRIDGE LANE  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 3811, PAGE 348

TAX MAP 260, LOT 16  
STEVEN OSBORN  
26 PARTRIDGE LANE  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 1230, PAGE 38

TAX MAP 124, LOT 47  
CHRISTOPHER & MARSHA CARR  
9 RIVER BEND ROAD  
NEWMARKET, NH 03857  
S.C.R.D. BOOK 2225, PAGE 348

TAX MAP 124, LOT 46  
RAYMOND DESMARIS & ALISON WEBB  
320 HEMLOCK LANE  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 1537, PAGE 588

TAX MAP 124, LOT 44  
STEVEN & ELLEN CONKLIN  
352 HEMLOCK LANE  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 2098, PAGE 103

TAX MAP 260, LOT 55  
BRADLEY & VONDA CUMMINGHAM  
145 MENDUMS LANDING ROAD  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 2555, PAGE 738

TAX MAP 260 & 268, LOT 53, 54 & 2  
MENDUMS LANDING HOMEOWNERS ASSOC.  
P.O. BOX 824  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 2348, PAGE 307

TAX MAP 260, LOT 41  
TIMOTHY HASKINS  
2N PERCEY AVENUE  
IPSWICH, MA 01938-2018  
S.C.R.D. BOOK 1470, PAGE 205

TAX MAP 260, LOT 39  
TERRENCE & LAUREN CONROY  
84 HOMESTEAD LANE  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 1212, PAGE 413

TAX MAP 260, LOT 31  
DOUGLAS & DENISE RYBINSKI  
46 ST. MATTHEWS DRIVE  
BARRINGTON, NH 03825-3019  
S.C.R.D. BOOK 2055, PAGE 500

TAX MAP 260, LOT 29  
DONNA SWANSON  
47 ST. MATTHEWS DRIVE  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 2055, PAGE 0361

MATCH LINE

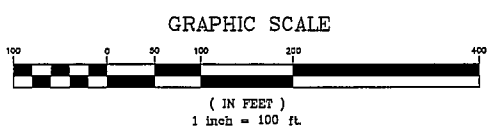
NO.	DATE	DESCRIPTION	BY

NOTE:  
ALL ELECTRIC, GAS, TEL. WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC FASHION. THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE.

OWNER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED DATE \_\_\_\_\_  
BARRINGTON, N.H.  
PLANNING BOARD

THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.



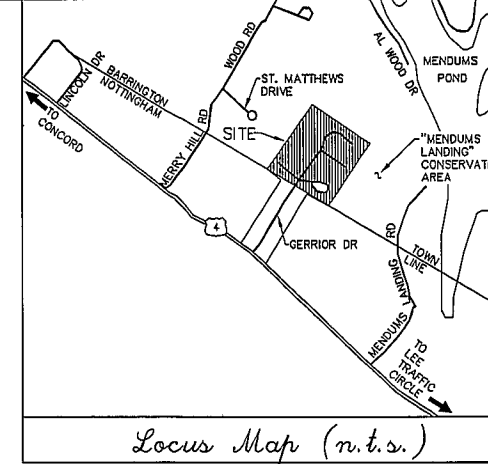
I certify that this survey and plan were prepared by me or by those under my direct supervision and falls under the Urban Survey Classification of the NH Code of Administrative Rules of the Board of Licensure for Land Surveyors. I certify that this survey was made on the ground and is correct to the best of my knowledge and belief. Random traverse survey by Total Station, with a precision greater than 1:15,000.

\_\_\_\_\_. L.L.S. #916  
\_\_\_\_\_. DATE \_\_\_\_\_

The certifications shown hereon are intended to meet registry of deed requirements and are not a certification to title or ownership of property shown. Owners of adjoining properties are according to current town assessors records.

SUBDIVISION OF LAND  
"THE HOMESTEAD"  
PHASE 2-REVISED  
OWNED BY  
GERRIOR LANE TRUST  
(TAX MAP 260, LOT 44 AND  
TAX MAP 268 LOTS 1.25, 1.8-1.14, 1.21-1.24 & 1.26-1.30)  
GERRIOR DRIVE  
BARRINGTON, NEW HAMPSHIRE

DRAWN BY:	M.W.F.	DATE:	MAY 14, 2013
CHECKED BY:	S.V.M.	DRAWING NO.:	3394B
JOB NO.:	3394	SHEET	2 OF 2



- LEGEND
- GRANITE BOUND FOUND
  - DRILL HOLE FOUND
  - IRON PIPE/ROD FOUND
  - PILE OF STONES
  - 5/8" RE-BAR W/ ID CAP TO BE SET
  - 4"x4" GRANITE BOUND TO BE SET
  - CONIFEROUS TREE
  - DECIDUOUS TREE
  - WELL
  - PROPERTY LINES
  - PROPOSED PROPERTY LINES
  - APPROX. ABUTTERS LOT LINE
  - EASEMENT LINE
  - CONSERVATION EASEMENT LINE
  - STONE WALL
  - BUILDING SETBACK LINE
  - 50' WETLAND BUFFER
  - EDGE OF JURISDICTIONAL WETLAND (SEE NOTE #6)
  - APPROX. VERNAL POOL (PER WEST ENVIRONMENTAL)

**LEGEND**

**B** SCS HYDROLOGIC SOIL GROUP

448C SITE SPECIFIC SOIL LABEL

--- SITE SPECIFIC SOIL GROUP BOUNDARY (HSG)

||||| HYDROLOGIC SOIL GROUP BOUNDARY (HSG)

WETLAND

TEXT

TEXT	HSG
40	C
44	C
49	C
100	C
115	C
299	C
444	B
448	C
546	C
656	C
926	C
	B
	C
	D

LAND USE OFFICE  
MAY 15 2013  
RECEIVED

GRAPHIC SCALE  
1 inch = 100 ft

**GRAPHIC SCALE**

( IN FEET )  
1 inch = 100 ft.

**MJS**  
**ENGINEERING, PC**

5 RALPHS ST., P.O. Box 359  
NEWHART, NH 03857

PHONE: (603) 659-4979, FAX: (603) 659-4627  
E-MAIL: MJS@MJS-ENGINEERING.COM

CIVIL  
ENVIRONMENTAL

JOB: 11-06

C1

[illegible]

**SITE SPECIFIC SOILS MAP**

prepared for

**GERRIOR LANE TRUST**

THE HOMESTEAD SUBDIVISION PHASE II

**SEAL**

---

DATE: 5/15/13

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SCALE: 1"=100'

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DESIGNED BY: MS/MS/US

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DRAWN BY: MS

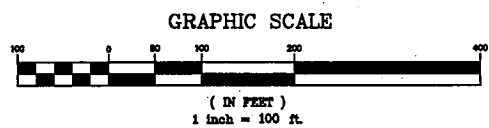
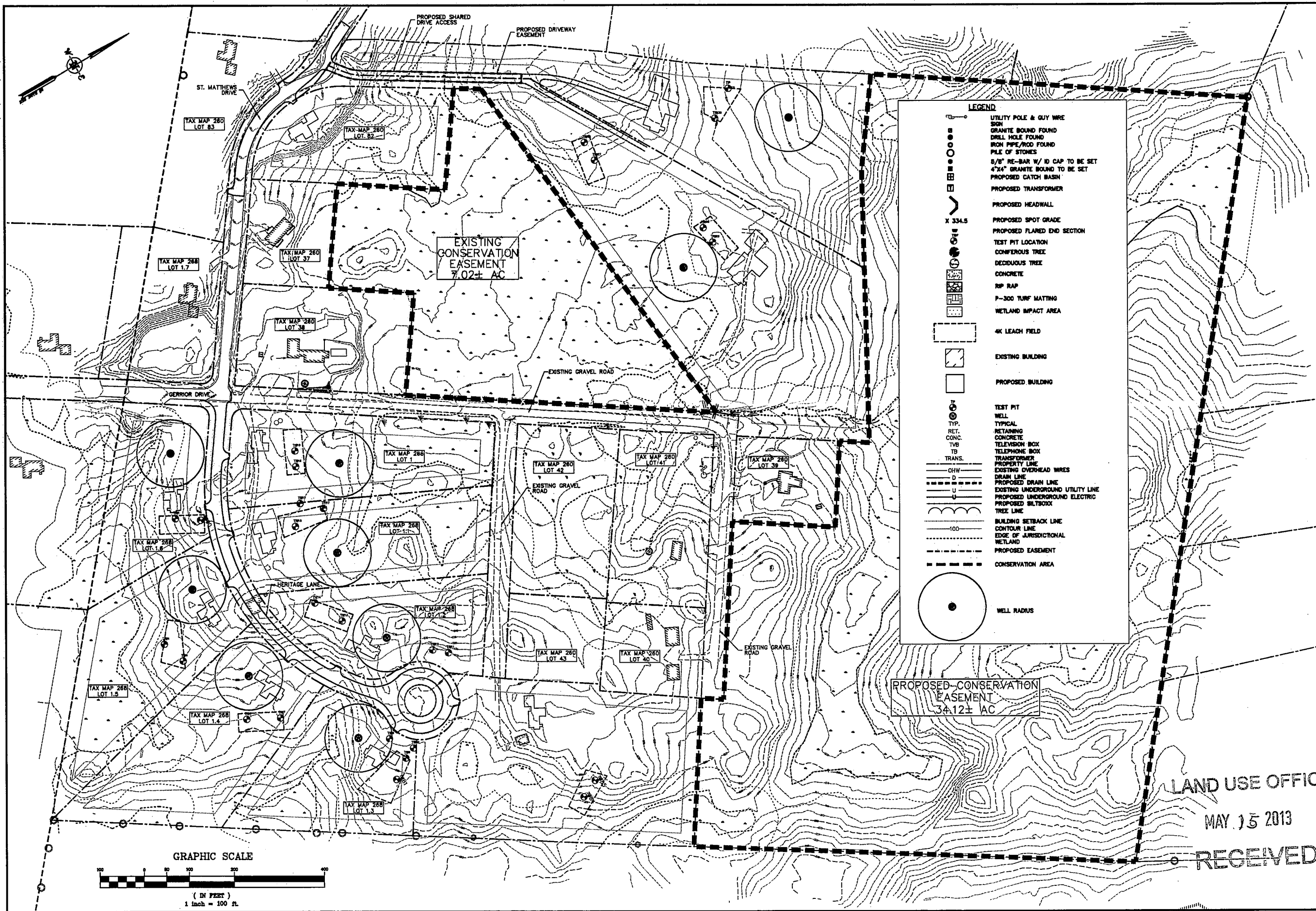
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APPROVED BY: MS

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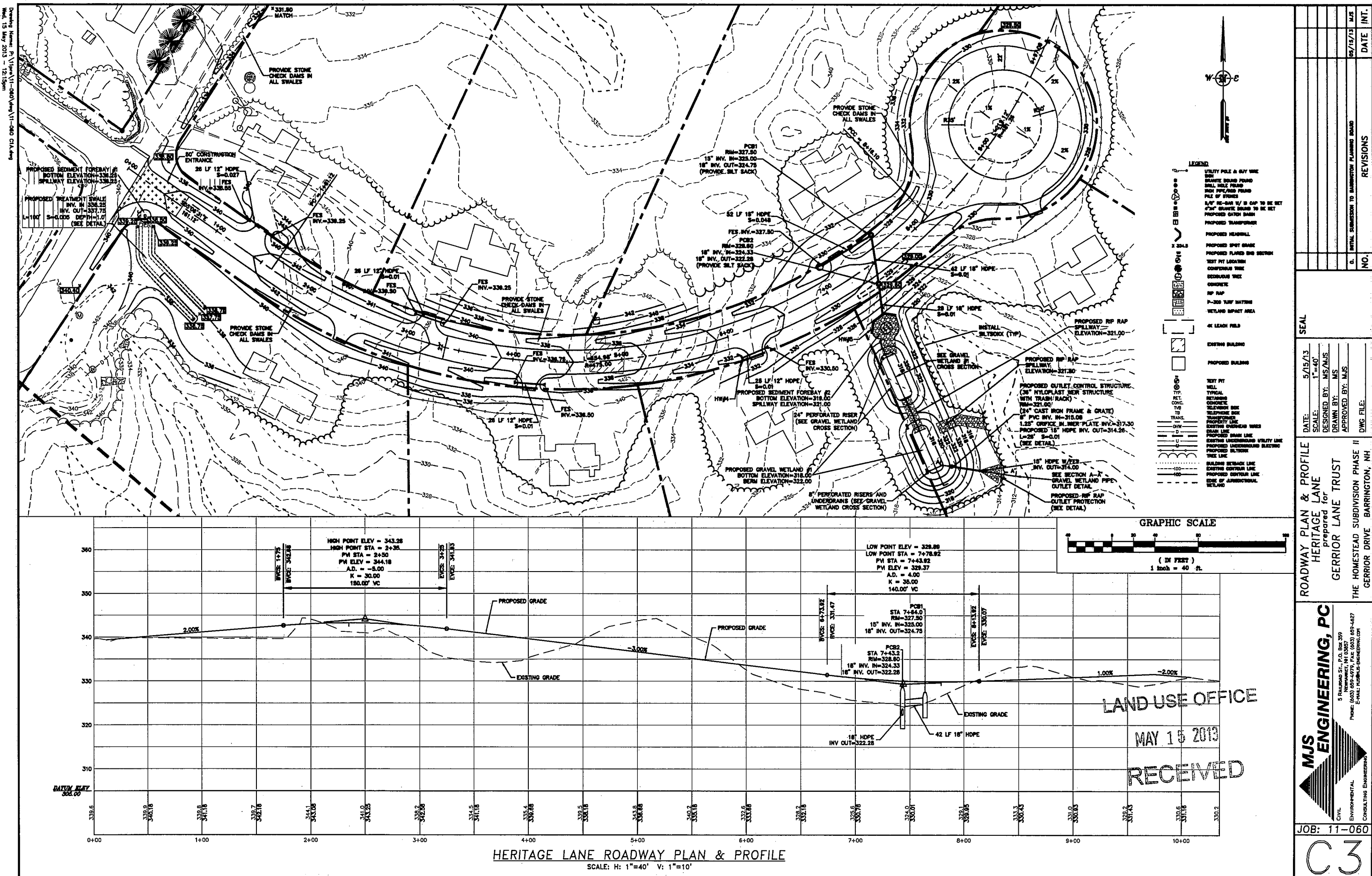
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Wed, 15 May 2013 - 12:04pm



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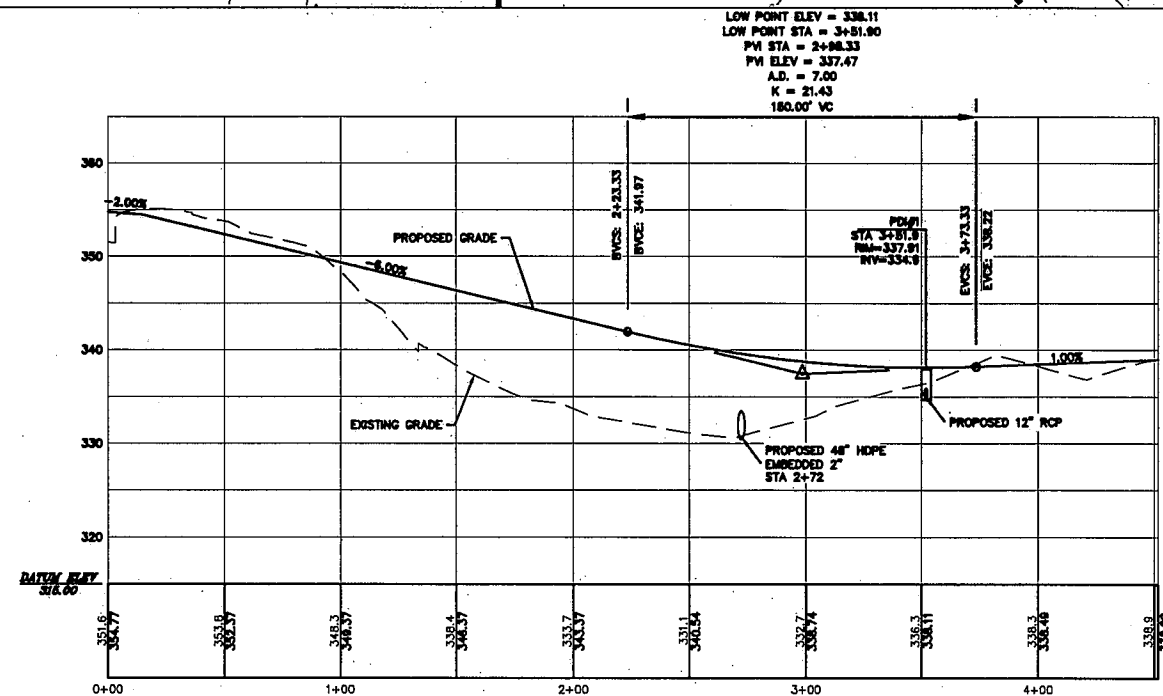
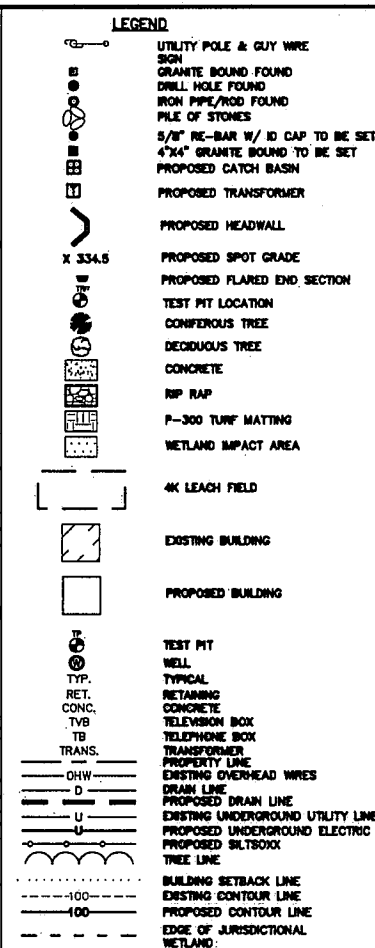
SUBDIVISION SITE PLAN prepared for <b>GERRIOR LANE TRUST</b> THE HOMESTEAD SUBDIVISION PHASE II GERRIOR DRIVE BARRINGTON, NH		SEAL DATE: 5/15/13 SCALE: 1"=100' DESIGNED BY: MS/MJS DRAWN BY: MS APPROVED BY: MJS DWG FILE:	NO. REVISIONS DATE INT.
<b>MJS ENGINEERING, PC</b> 5 BULLARD ST., P.O. BOX 559 BARRINGTON, NH 03007 PHONE: (603) 659-4979, FAX: (603) 659-4627 E-MAIL: MJS@MJS-ENGINEERING.COM		JOB: 11-060 <b>C2</b>	



Engineering plan view of a wetland area, showing proposed construction, existing features, and property lines. The drawing includes a north arrow, a matchline to sheet C5, and various annotations for construction details like riprap, culverts, and silt socks. Key features include a proposed building, a shared driveway, a culvert, and a wetland buffer.

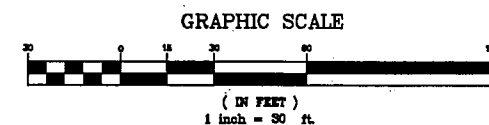
**Proposed Construction:**

- INSTALL 120' X 6' P-300 TURF MATING
- WETLAND IMPACT AREA#1=7,872 SF
- CONSTRUCT CHECK DAM RIPRAP AREA#2
- INSTALL SILT SOCK (TYP)
- PROPOSED PROPERTY LINE TO FOLLOW CENTERLINE OF SHARED DRIVEWAY
- POTENTIAL LOCATION OF FUTURE DRIVEWAY EXTENSION
- END PAVED SHARED DRIVEWAY
- PROPOSED TRANSFORMER
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED TREELINE
- 50' WETLAND BUFFER
- INSTALL SILT SOCK (TYP)
- PROPOSED PROPERTY LINE
- EDGE OF WETLAND
- EXISTING STREAM
- REMOVE EXISTING RIPRAP
- PROPOSED TREELINE
- REMOVE EXISTING 24" HDPE
- CONSTRUCT 400 LF PAVED SHARED DRIVEWAY (EASEMENT REQUIRED)
- 80' CONSTRUCTION ENTRANCE
- RECONSTRUCT EXISTING BOULDER HEADWALL (HW#4)
- INSTALL 120' X 6' P-300 TURF MATING
- 30 LF 12" RCP S=0.01
- 440 LF BITUMINOUS CURB
- END CURB
- 300 LF BITUMINOUS CURB
- 75 LF 48" HDPE S=0.02
- INSTALL SILT SACK (TYP.)
- PD#1 RM=337.01 INV=334
- HW#1 INV=330.0
- HW#2 INV=337.5
- FES#1 INV=334.80
- HW#1 INV=330.0
- HW#2 INV=337.5
- HW#3 INV=337.01
- HW#4 INV=337.01
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- HW#100 INV=337.01



SHARED DRIVEWAY ROADWAY PLAN & PROFILE  
SCALE: H: 1"=40' V: 1"=10'

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[illegible]

**SEAL**

DATE: 5/15/13

PLAN &amp; PROFILE

ROADWAY

## ENGINEERING, PC

**MJS  
ENGINEERING**

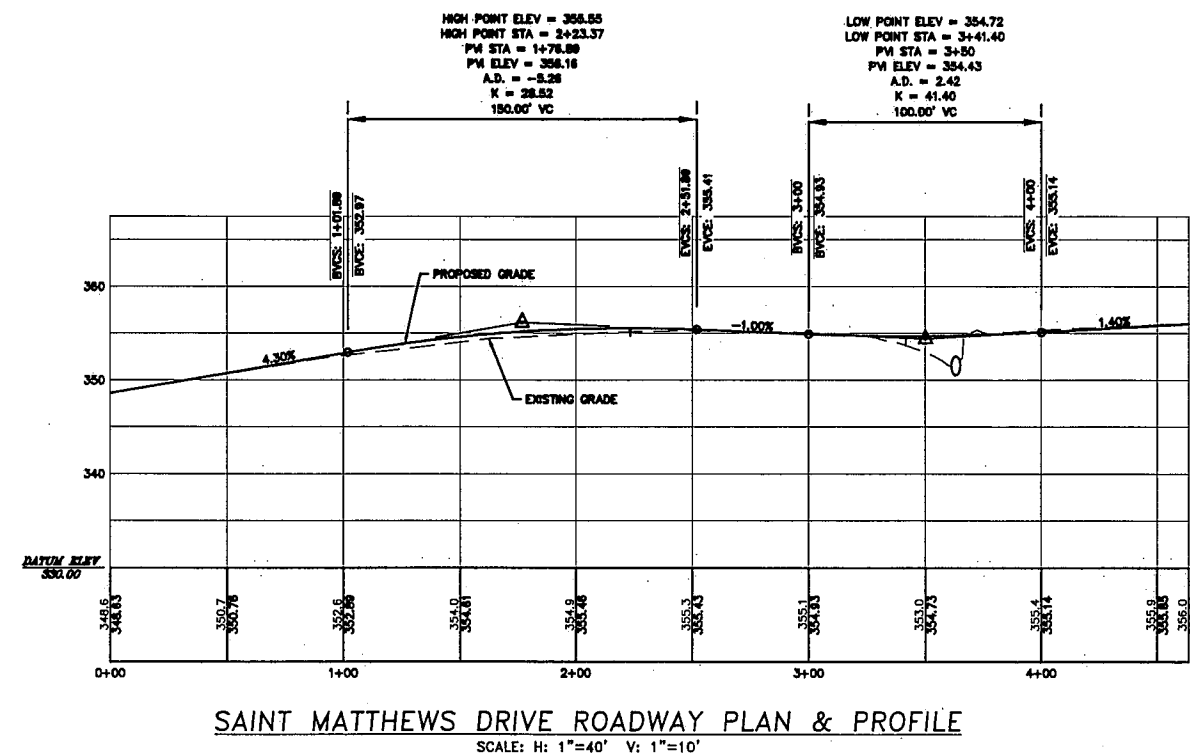
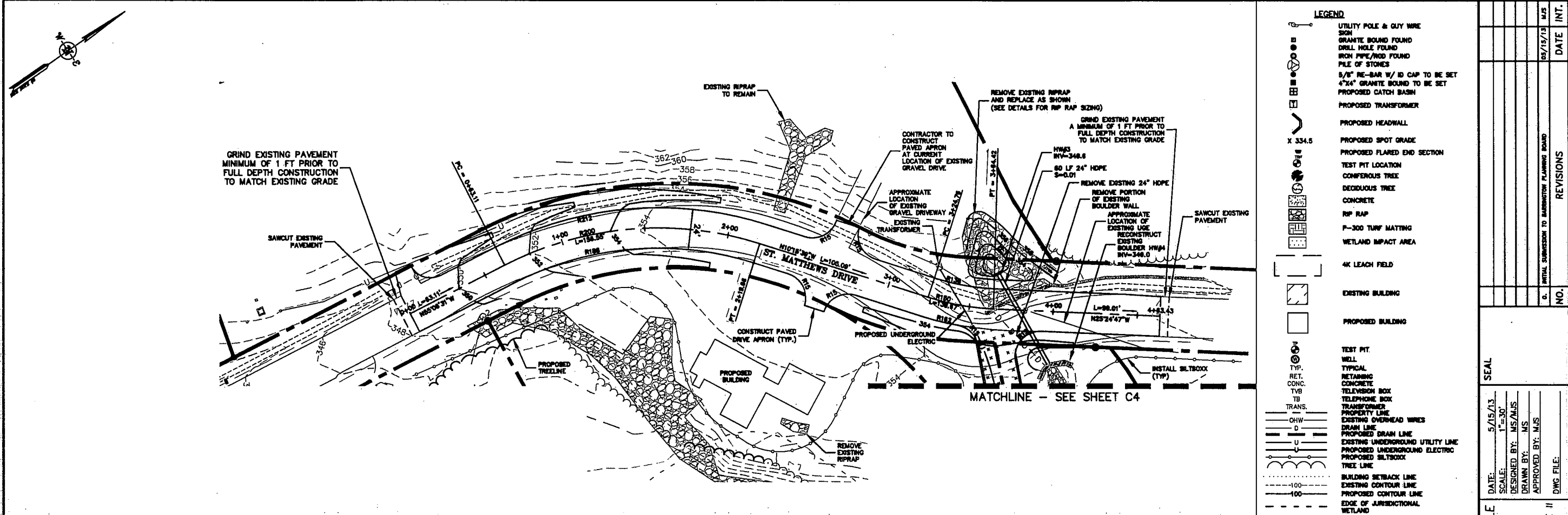
CIVIL  
ENVIRONMENTAL  
CONSULTING ENGINEERING

Phone: 01273 826111  
Fax: 01273 826112

JOB: 11-060

C4

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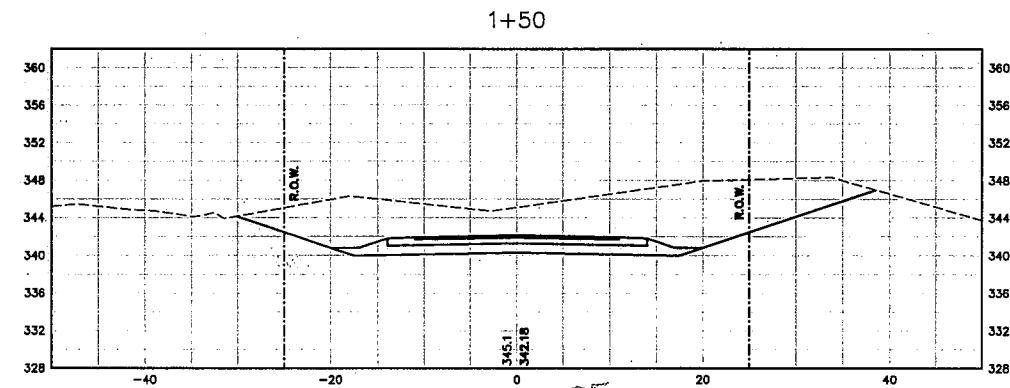
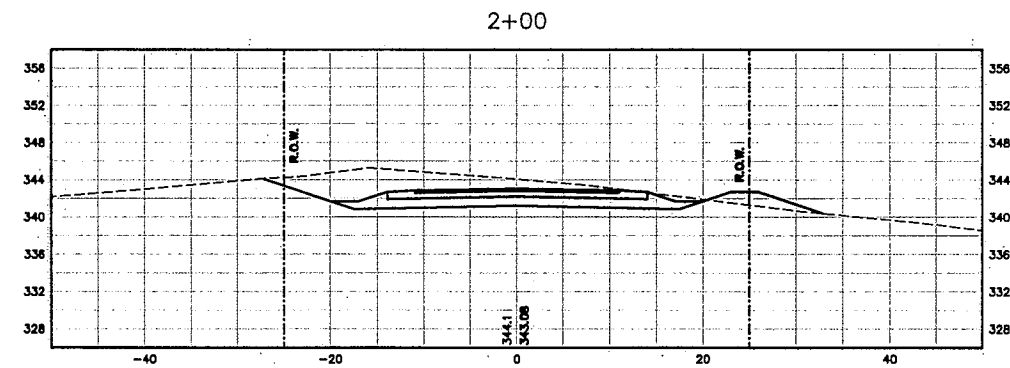
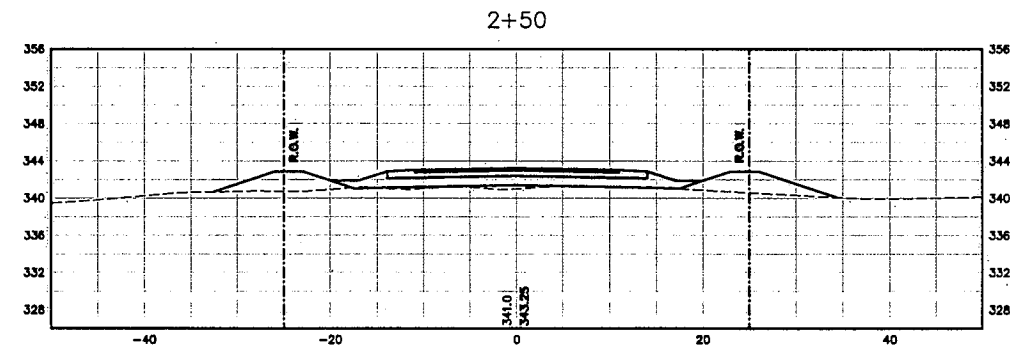
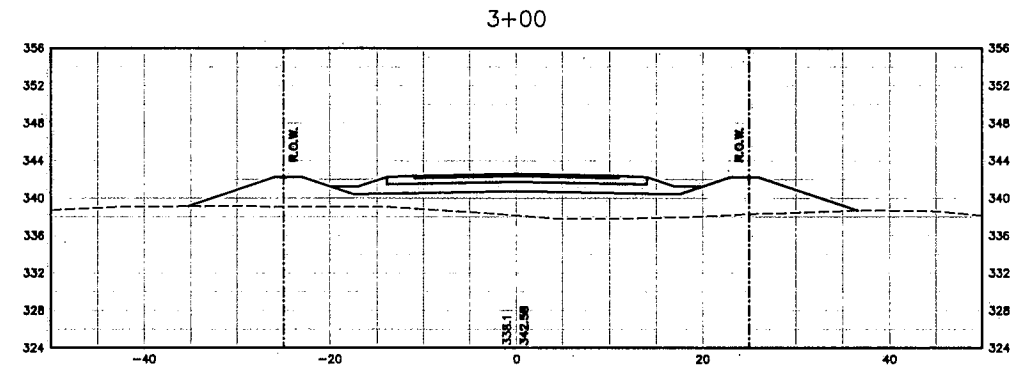
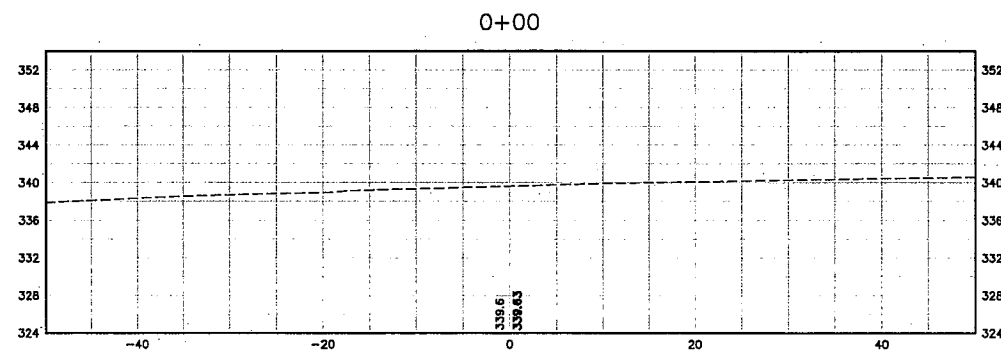
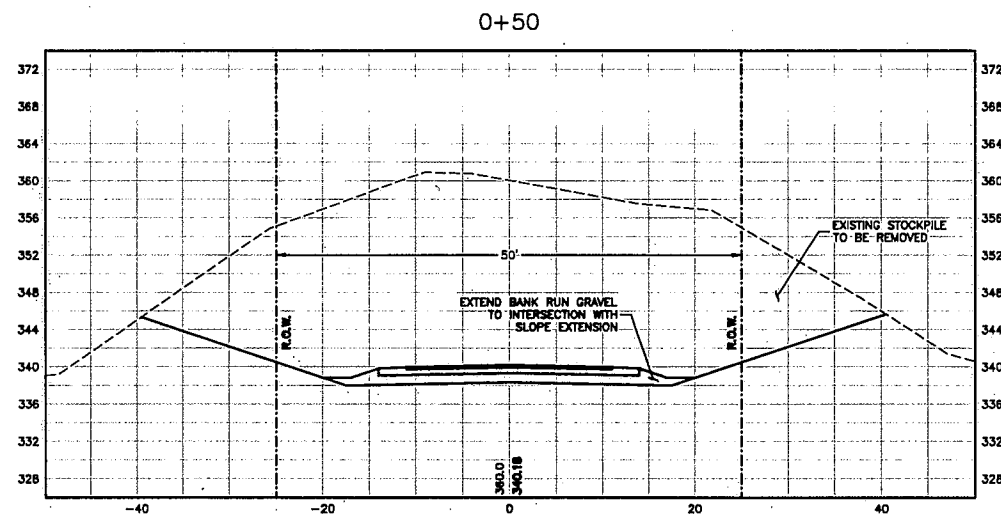
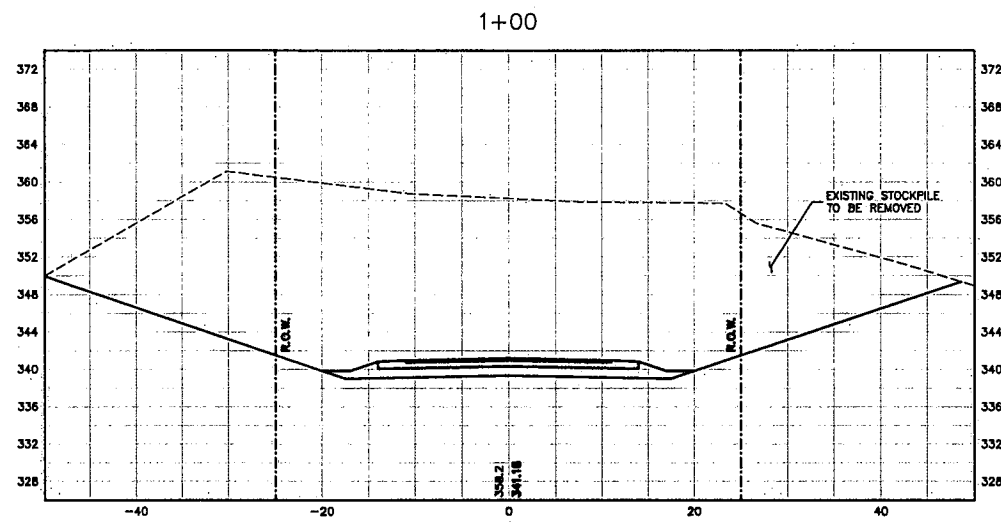


NO.	REVISIONS	DATE	INT.
1	INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD	05/15/13	MJS

SEAL	DATE: 5/15/13	SCALE: 1"=30'	DESIGNED BY: MS/MJS	DRAWN BY: MS	APPROVED BY: MJS	DWG FILE:
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MJS ENGINEERING, PC	ENVIRONMENTAL CONSULTING ENGINEERING	CIVIL	JOB: 11-060	C5
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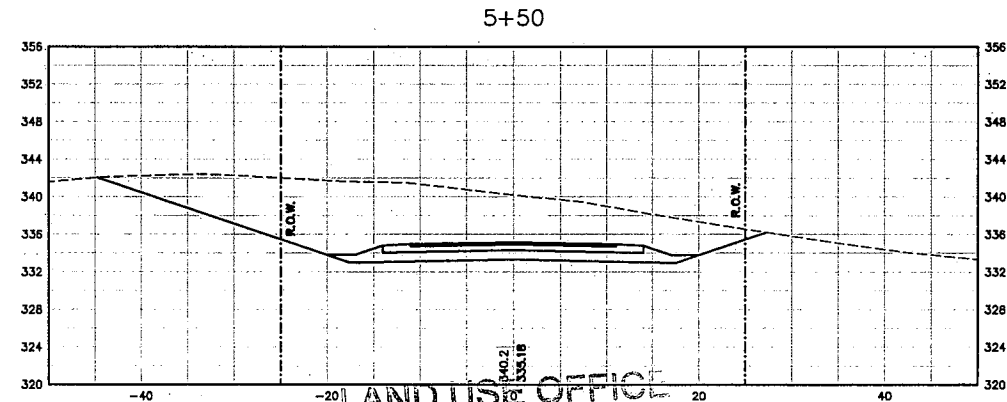
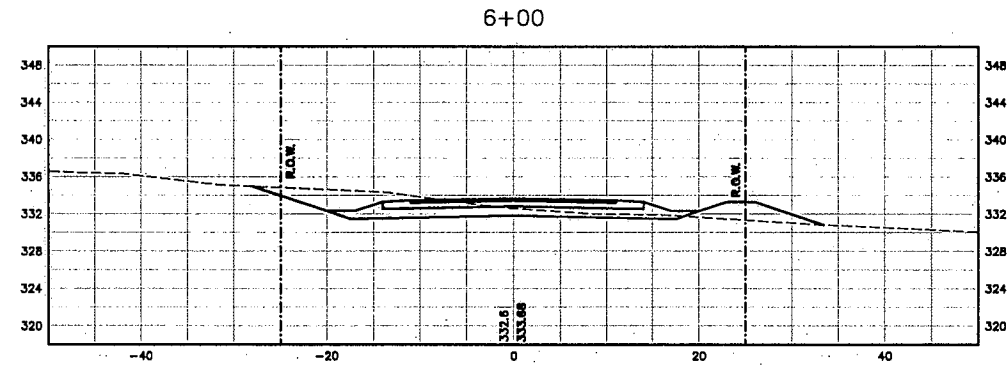
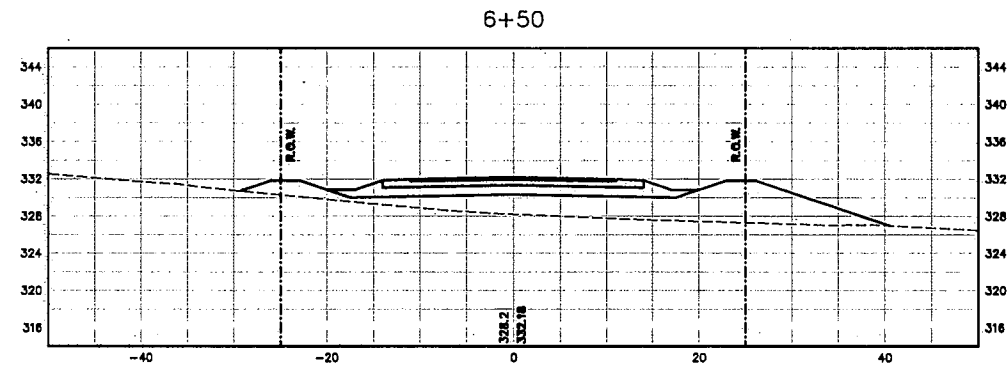
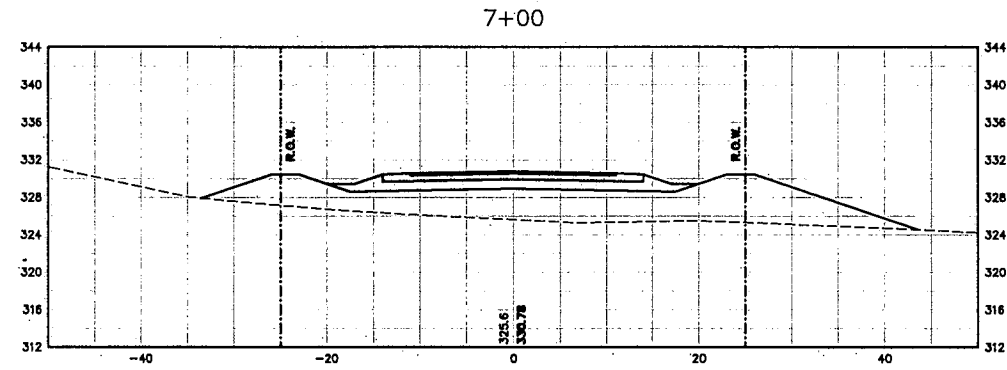
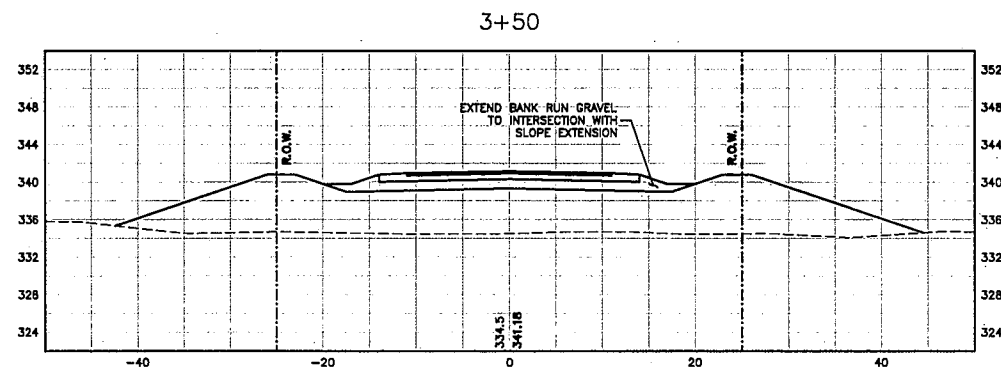
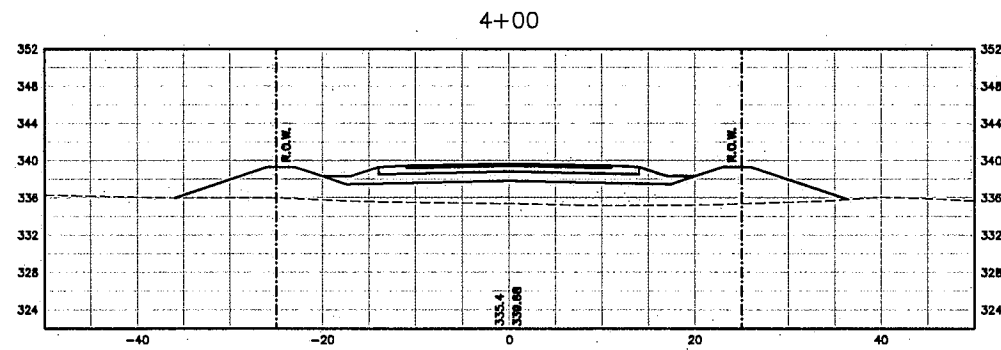
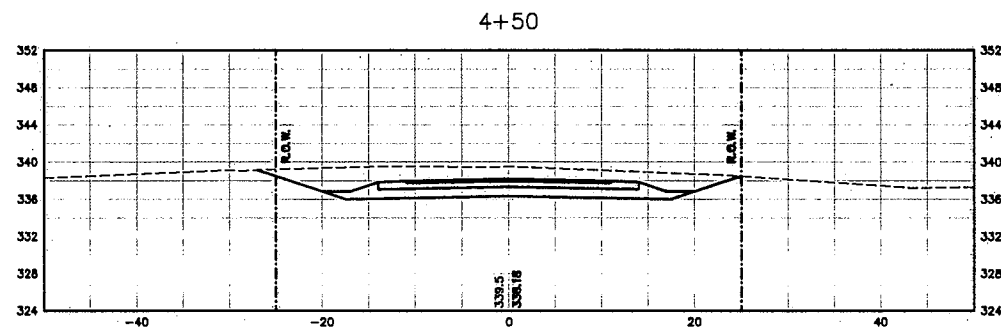
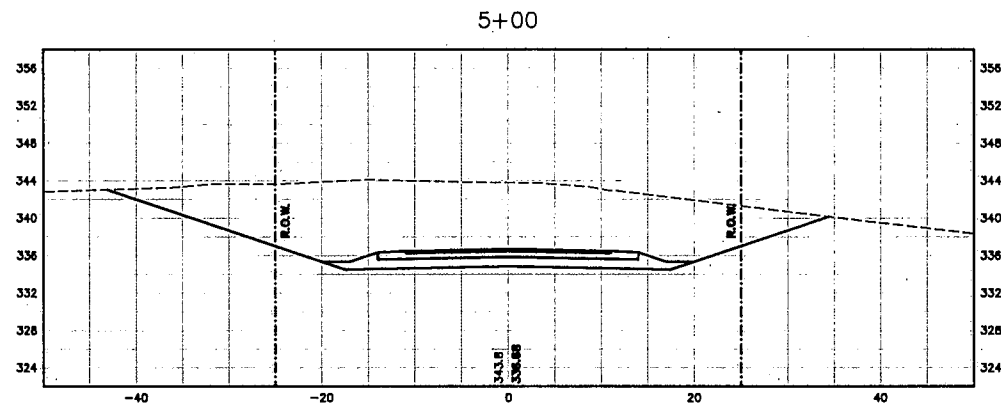
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Wed, 15 May 2013 - 12:25pm



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LEGEND:  
340.18 PROPOSED ELEVATION  
360.0 EXISTING ELEVATION  
— PROPOSED GRADE  
--- EXISTING GRADE  
R.O.W. RIGHT OF WAY  
NOTE: REFER TO HERITAGE LANE CROSS SECTION FOR ADDITIONAL INFORMATION

DATE: 5/15/13		SCALE: 1"=10'		DESIGNED BY: MS/MJS		DRAWN BY: MS		APPROVED BY: MJS		DWG FILE:	
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MJS ENGINEERING, PC		5 RAILROAD ST., P.O. Box 359		NEWARK, NH 03857		PHONE: (603) 885-1427		FAX: (603) 885-1427		E-MAIL: MJS@MJS-ENGINEERING.COM	
CIVIL		ENVIRONMENTAL		CONSULTING ENGINEERING		JOB: 11-060		XS1		DATE: 5/15/13	
INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD		REVISIONS		DATE		INT.					



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LEGEND:  
340.18 PROPOSED ELEVATION  
360.0 EXISTING ELEVATION  
— PROPOSED GRADE  
--- EXISTING GRADE  
R.O.W. RIGHT OF WAY  
NOTE: REFER TO HERITAGE LANE CROSS SECTION FOR ADDITIONAL INFORMATION

**MJS ENGINEERING, PC**  
5 RAILROAD ST., P.O. BOX 359  
NEWARK, NH 03857  
PHONE: (603) 885-1427  
FAX: (603) 885-1428  
E-MAIL: MJS@MJS-ENGINEERING.COM

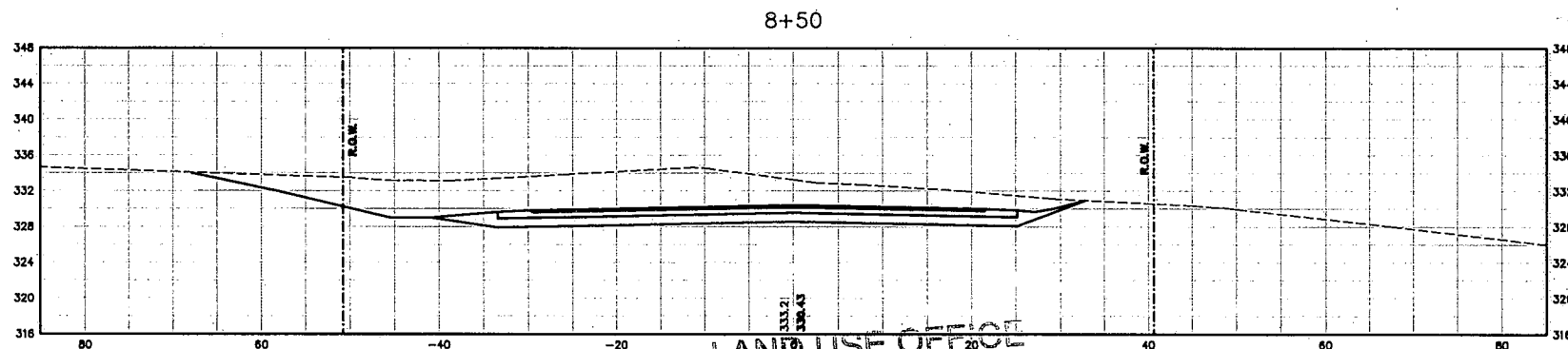
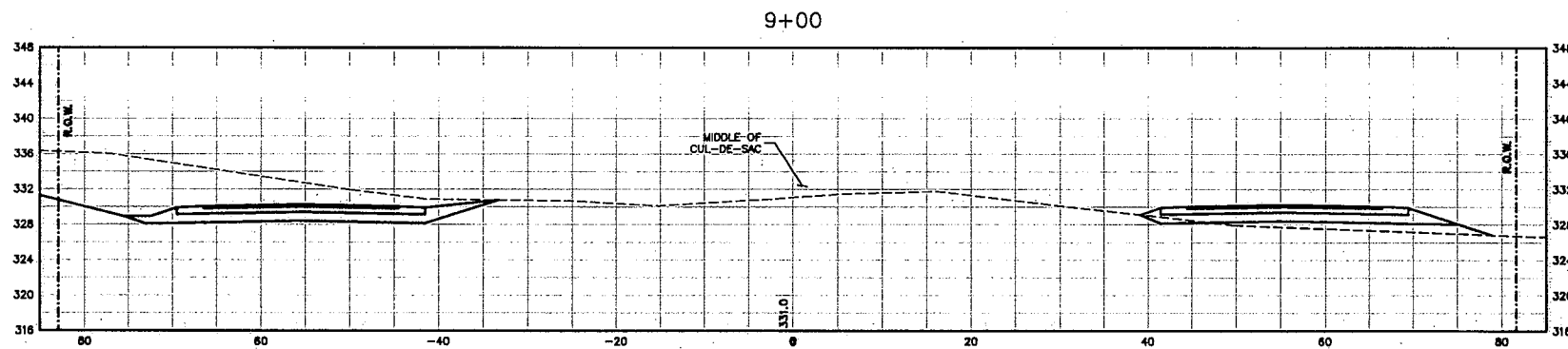
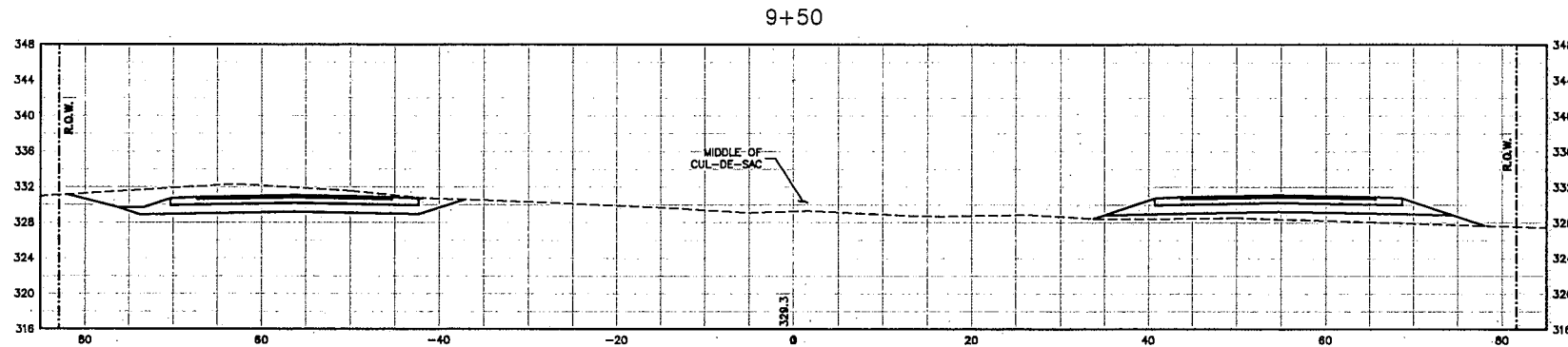
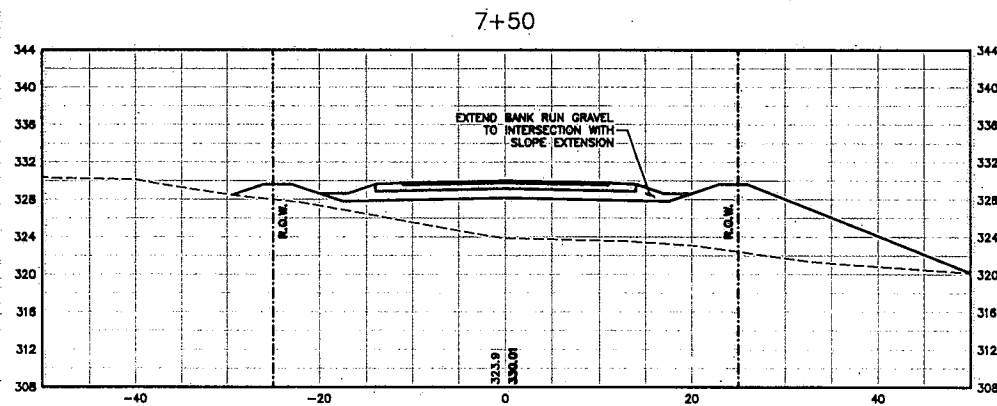
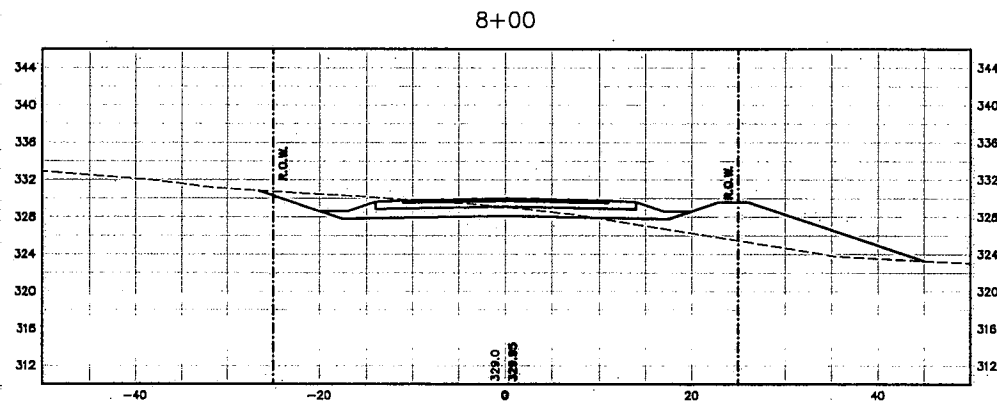
HERITAGE LANE CROSS SECTIONS  
prepared for  
GERRIOR LANE TRUST  
THE HOMESTEAD SUBDIVISION PHASE II  
GERRIOR DRIVE BARRINGTON, NH

DATE: 5/15/13  
SCALE: 1"=10'  
DESIGNED BY: MS/MJS  
DRAWN BY: MS  
APPROVED BY: MJS  
DWG FILE:

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NO.	REVISIONS	DATE	INT.
1	INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD	5/15/13	MJS

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Date: 15 May 2013 1:17pm



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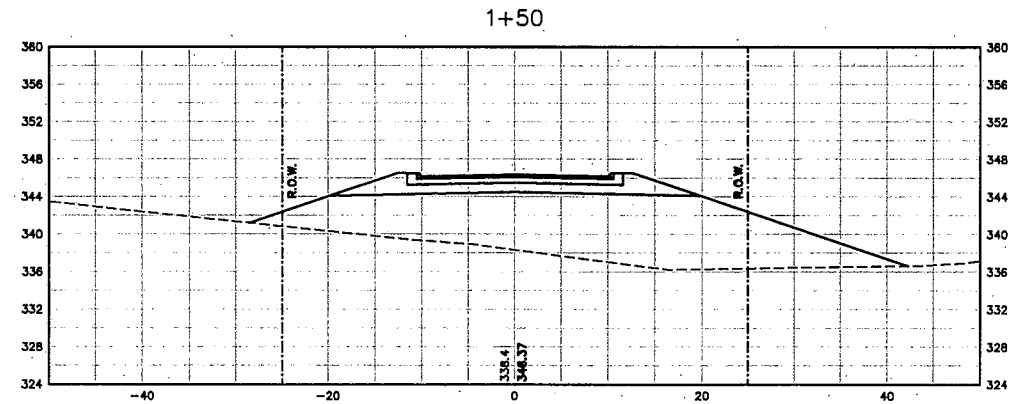
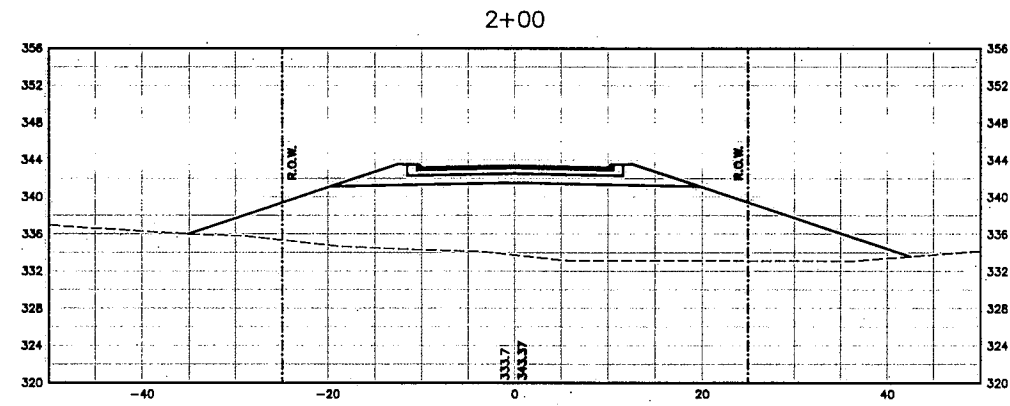
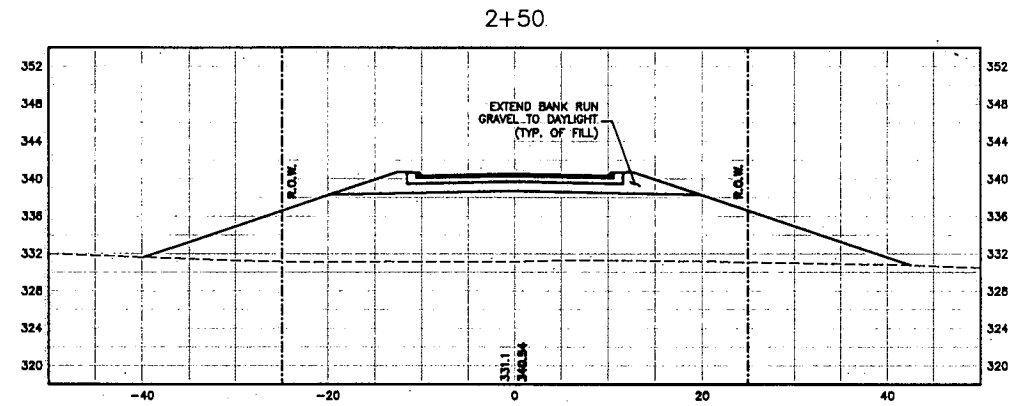
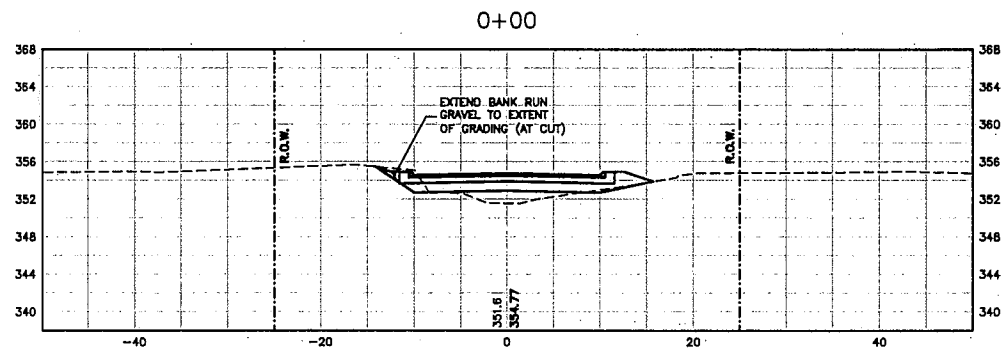
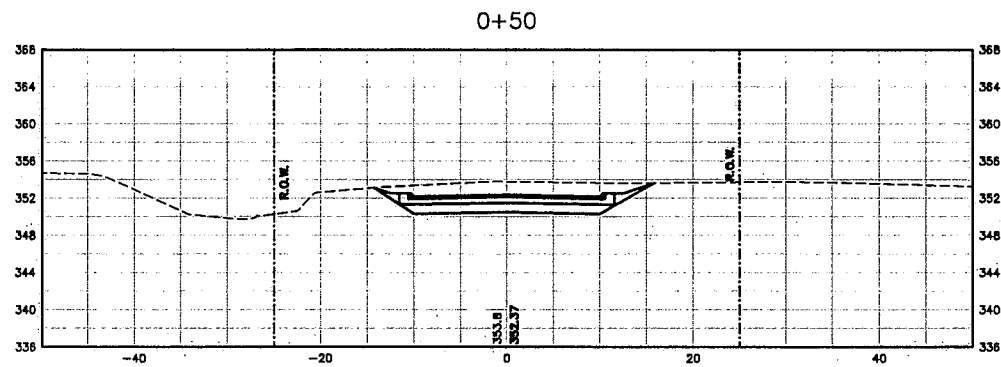
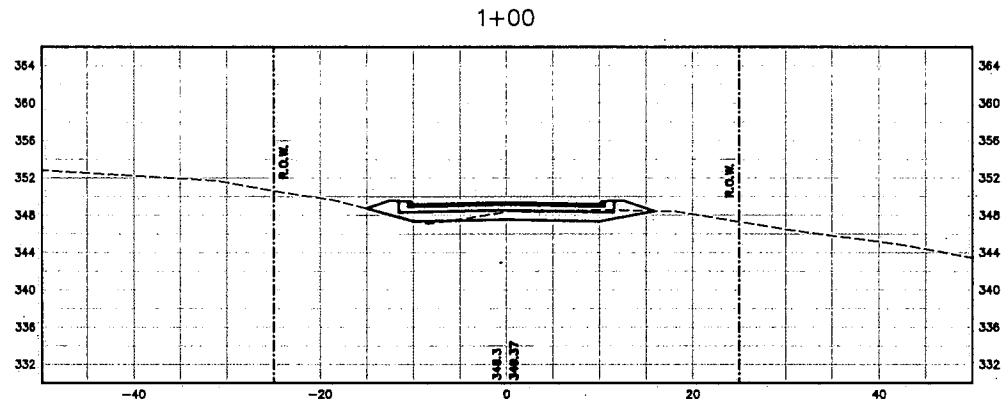
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LEGEND:  
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360.0 EXISTING ELEVATION  
— PROPOSED GRADE  
--- EXISTING GRADE  
R.O.W. RIGHT OF WAY  
NOTE: REFER TO HERITAGE LANE CROSS SECTION FOR ADDITIONAL INFORMATION

HERITAGE LANE CROSS SECTIONS prepared for GERRIOR LANE TRUST THE HOMESTEAD SUBDIVISION PHASE II GERRIOR DRIVE BARRINGTON, NH		DATE: 5/15/13 SCALE: 1"=10' DESIGNED BY: MS/MJS DRAWN BY: MS APPROVED BY: MJS DWG FILE:	SEAL	NO.	DATE	INT.
MJS ENGINEERING, PC 15 RAILROAD ST., P.O. Box 359 BARRINGTON, NH 03025 PHONE: (603) 438-1237 FAX: (603) 438-1238 E-MAIL: MJS@MJS-ENGINEERING.COM		JOB: 11-060				
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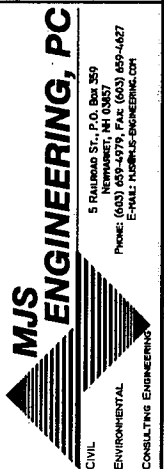


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LEGEND:  
340.18 PROPOSED ELEVATION  
360.0 EXISTING ELEVATION  
— PROPOSED GRADE  
- - - EXISTING GRADE  
R.O.W. RIGHT OF WAY  
NOTE: REFER TO SHARED DRIVE CROSS SECTION FOR ADDITIONAL INFORMATION



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5 RAILROAD ST., P.O. BOX 359  
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FAX: (603) 885-4427  
E-MAIL: MJS@MJS-ENGINEERING.COM

JOB: 11-060

XS4

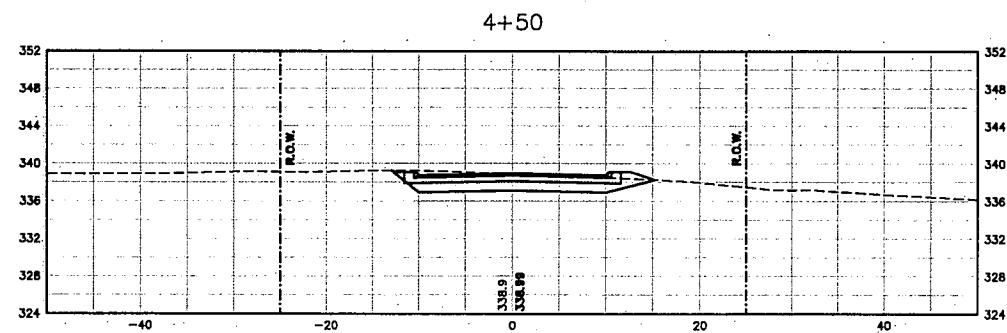
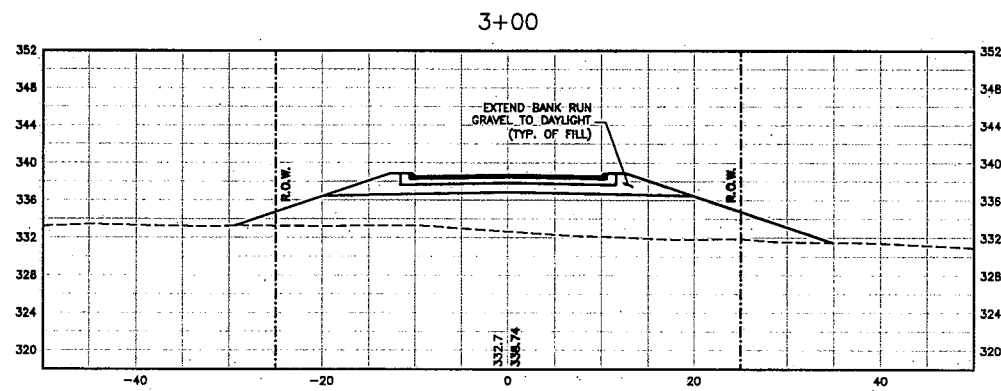
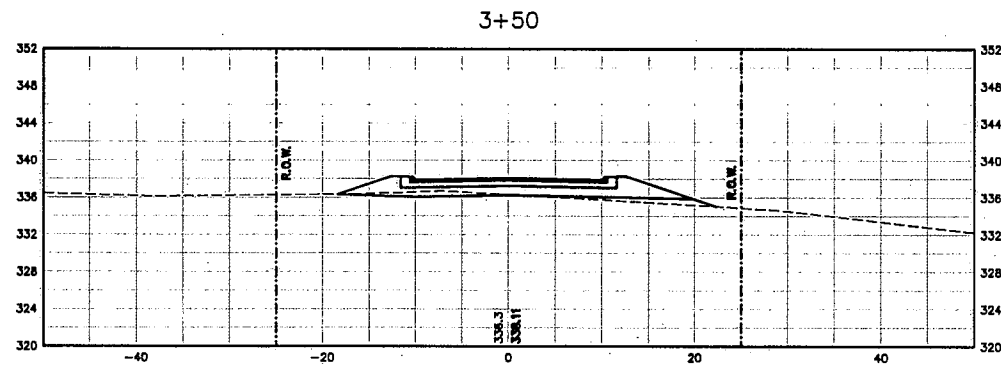
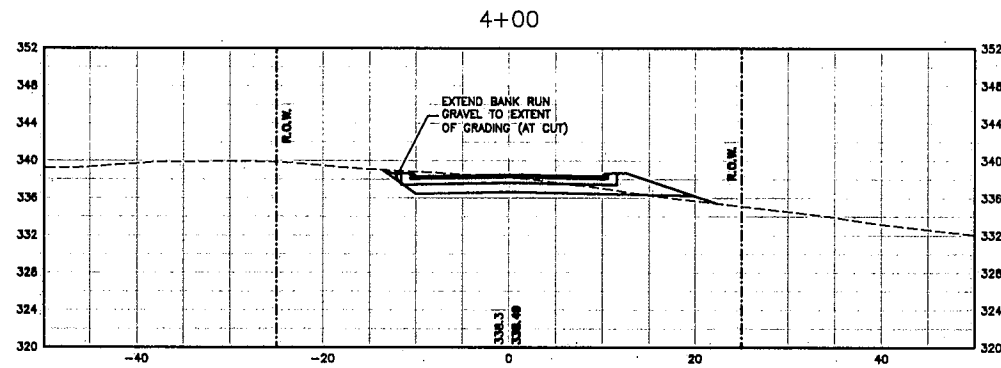
SHARED DRIVE  
CROSS SECTIONS  
prepared for  
GERRIOR LANE TRUST  
THE HOMESTEAD SUBDIVISION PHASE II  
GERRIOR DRIVE, BARRINGTON, NH

DATE: 5/15/13  
SCALE: 1"=10'  
DESIGNED BY: MS/MJS  
DRAWN BY: MS  
APPROVED BY: MJS  
DWG FILE:

SEAL

NO. REVISIONS  
DATE INT.

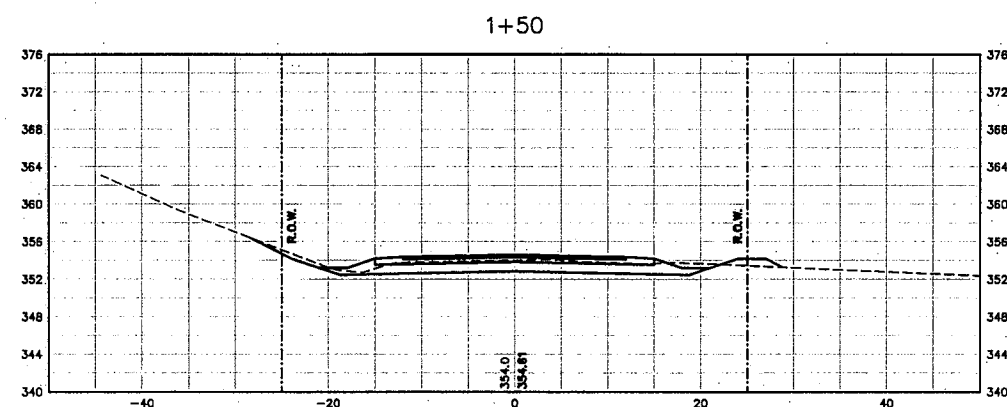
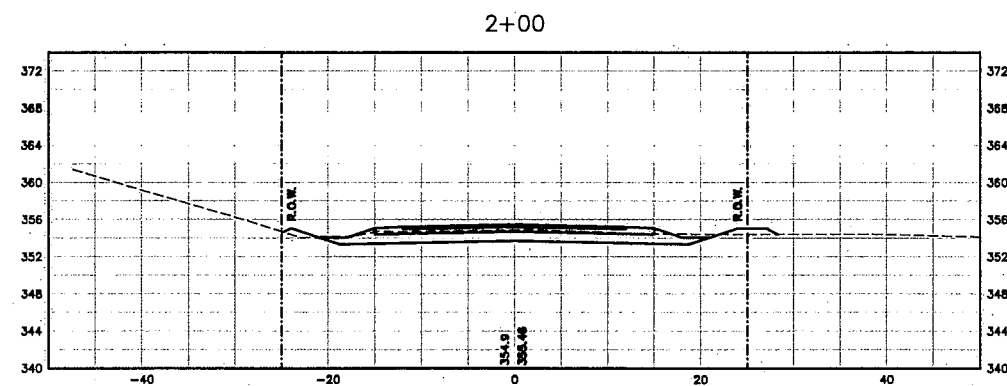
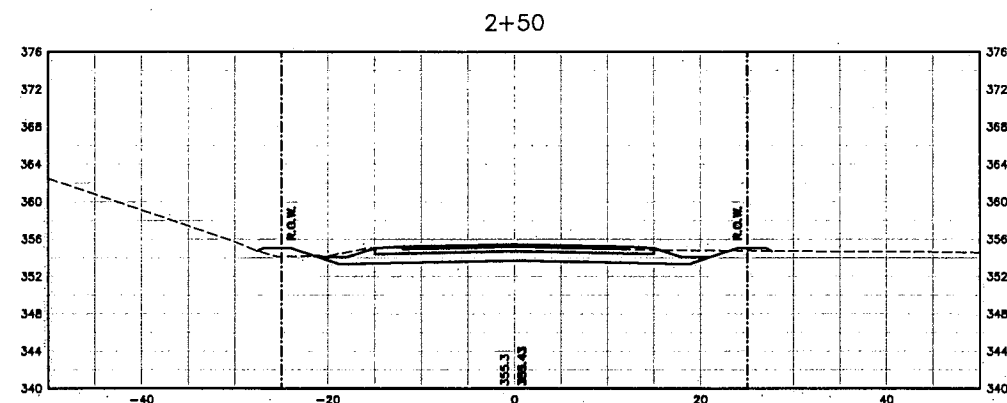
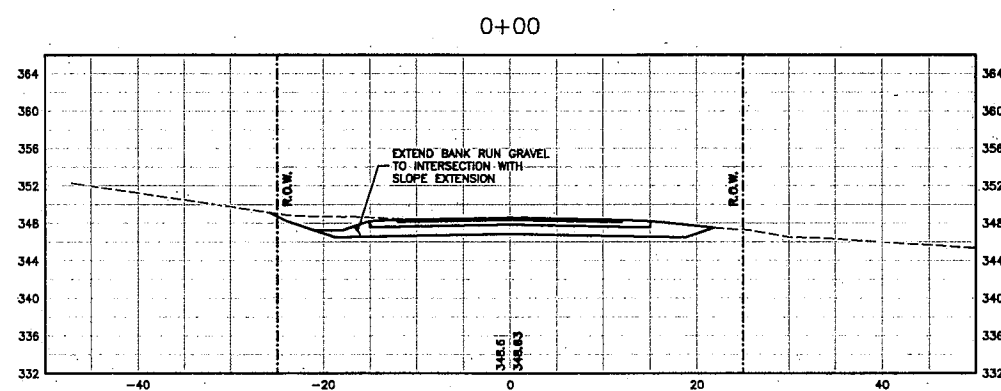
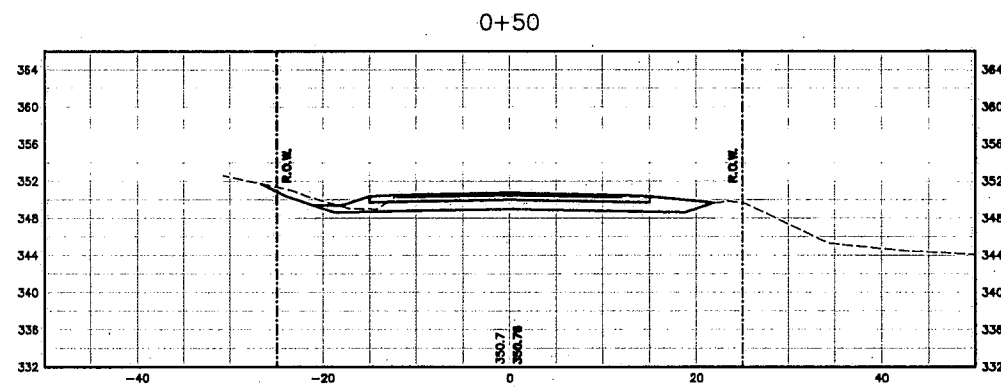
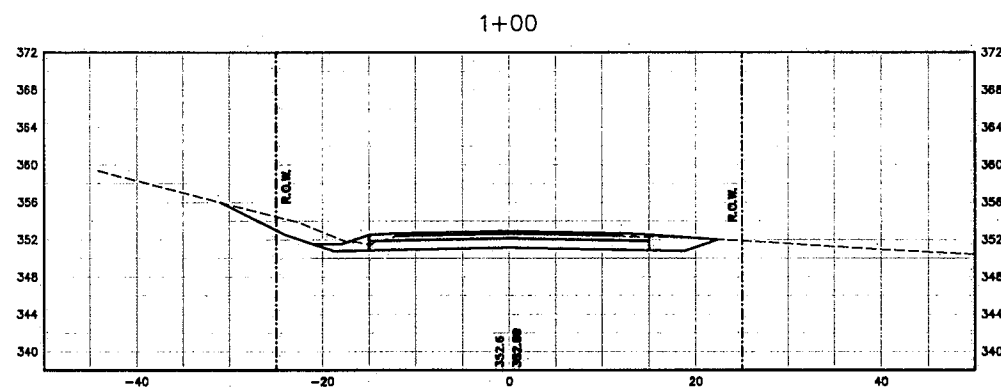
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LEGEND:  
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360.0 EXISTING ELEVATION  
PROPOSED GRADE  
EXISTING GRADE  
R.O.W. RIGHT OF WAY  
NOTE: REFER TO SHARED DRIVE CROSS SECTION FOR ADDITIONAL INFORMATION

SEAL		DATE: 5/15/13 SCALE: 1"=10' DESIGNED BY: MS/MJS DRAWN BY: MS APPROVED BY: MJS DWG FILE:	
SHARED DRIVE CROSS SECTIONS prepared for GERRIOR LANE TRUST THE HOMESTEAD SUBDIVISION PHASE II GERRIOR DRIVE BARRINGTON, NH		MJS ENGINEERING, PC 5 RAILROAD ST., P.O. Box 259 BARRINGTON, NH 03827 PHONE: (603) 439-4427 E-MAIL: MJS@MJS-ENGINEERING.COM	
JOB: 11-060		X55	



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LEGEND:

**340.18** PROPOSED ELEVATION

340.0 PROPOSED ELEVATION  
360.0 EXISTING ELEVATION

— PROPOSED GRADE

----- EXISTING GRADE

**R.O.W.** · RIGHT OF WAY

NOTE: REFER TO ST.  
MATTHEWS DRIVE CROSS  
SECTION FOR ADDITIONAL  
INFORMATION

**MJS ENGINEERING, PC**

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MILWAUKEE, WI 53201  
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CIVIL  
ENVIRONMENTAL

ST. MATTHEWS DRIVE  
CROSS SECTIONS  
prepared for  
GERRIOR LANE TRUST  
THE HOMESTEAD SUBDIVISION PHASE  
GERRIOR DRIVE BARRINGTON, NH

**SEAL**

DATE: 5/15/13

DATE: 5/15/13  
SCALE: 1"=10'  
DESIGNED BY: MS/MIS

DESIGNED BY: MS/MJS  
DRAWN BY: MS

DRAWN BY: MS  
APPROVED BY: MJS

**DWG FILE:**

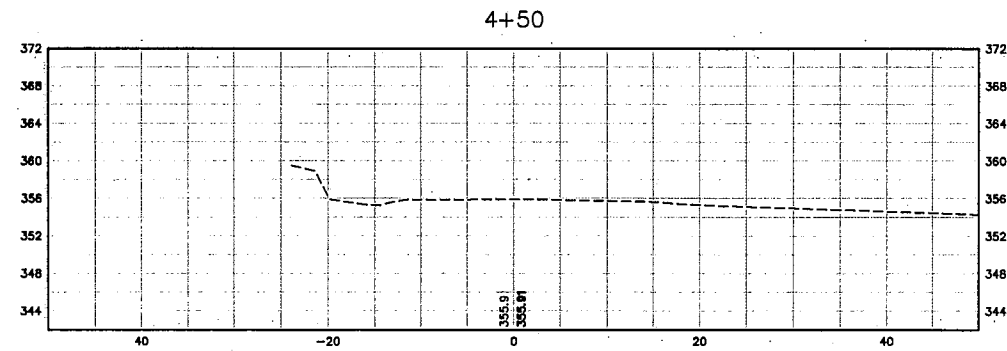
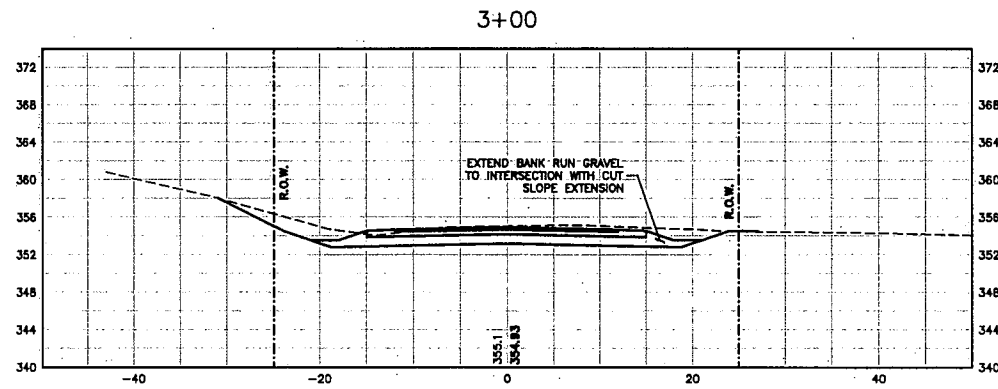
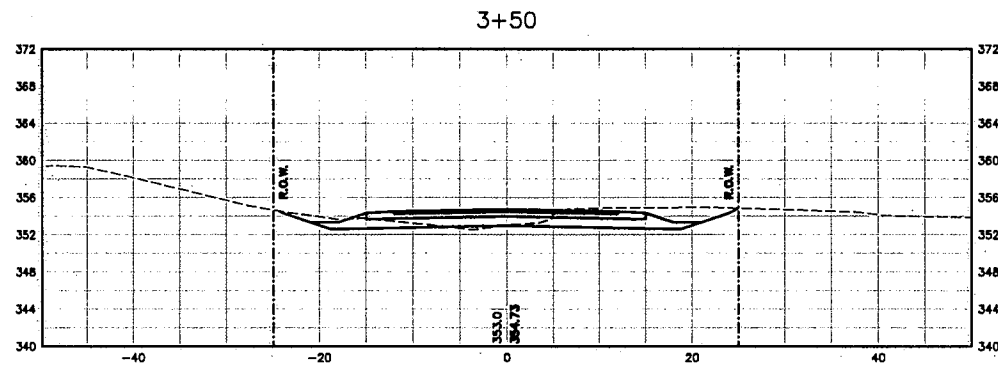
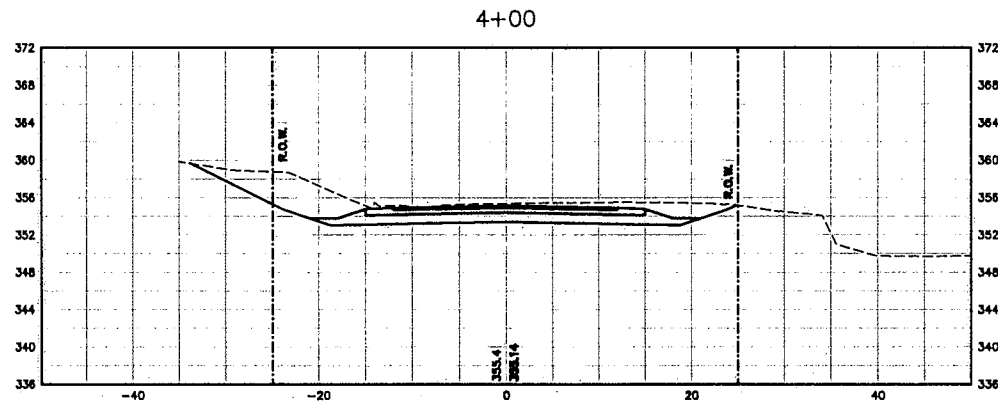
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Q.	INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD
NO.	REVISIONS

JOB: 11-060

XS6

Drawing Name: P:\11a\11-060\Draw\11-060 XS.dwg  
Wed, 15 May 2013 - 12:28pm



LAND USE OFFICE  
MAY 15 2013  
RECEIVED

LEGEND:  
340.18 PROPOSED ELEVATION  
360.0 EXISTING ELEVATION  
— PROPOSED GRADE  
- - - - - EXISTING GRADE

R.O.W. RIGHT OF WAY  
NOTE: REFER TO ST. MATTHEWS DRIVE CROSS SECTION FOR ADDITIONAL INFORMATION

**MJS ENGINEERING, PC**  
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ST. MATTHEWS DRIVE  
CROSS SECTIONS  
prepared for  
GERRIOR LANE TRUST  
THE HOMESTEAD SUBDIVISION PHASE II  
GERRIOR DRIVE, BARRINGTON, NH

SEAL

DATE: 5/15/13  
SCALE: 1"=10'  
DESIGNED BY: MS/MJS  
DRAWN BY: MS  
APPROVED BY: MJS  
DWG FILE:

REVISIONS		NO.	DATE	INT.
C. INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD			5/15/13	MJS

JOB: 11-060

XS7

# CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES

## EXISTING CONDITIONS

1. THE PROJECT LOCATION IS: LATITUDE 43°-10'-17", LONGITUDE 71°-04'-39".
2. THE TOTAL PARCEL CONSISTS OF APPROXIMATELY 125 ACRES STRADDLING THE NOTTINGHAM/BARRINGTON TOWN LINE WITH ACCESS FROM ROUTE 4. THE PARCEL IS CURRENTLY SUBDIVIDED INTO 37 RESIDENTIAL LOTS, APPROVED IN 2003. 12 OF THE 37 LOTS ARE LOCATED IN NOTTINGHAM.
3. THE ORIGINAL PROJECT WAS PROPOSED TO BE CONSTRUCTED IN TWO PHASES. PHASE 1 HAS BEEN COMPLETED, ALL BUT ONE LOT IN PHASE 1 HAS BEEN DEVELOPED.

## PROPOSED PROJECT

1. THIS PROJECT IS THE RE-SUBDIVISION OF THE PHASE 2 PORTION OF THE ORIGINAL DEVELOPMENT INTO A TOTAL OF 10 LOTS AND 1,000 FT OF NEW ROAD. TWO OF THE PROPOSED LOTS WILL HAVE FRONTAGE ON ST. MATTHEWS DRIVE AND BE ACCESSED BY A SHARED DRIVEWAY.
2. THE BALANCE OF THE PHASE 2 LAND AREA WILL REMAIN UNDEVELOPED AND BE ADDED TO THE EXISTING CONSERVATION LAND CREATED UNDER THE ORIGINAL SUBDIVISION.
3. THE TOTAL AREA OF DISTURBANCE FOR BOTH PHASES IS 267,271 SF.

## AREA OF INSTANTANEOUS STABILIZATION

- A. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL THE AREA OF UNSTABILIZED SOIL EXCEED 5 ACRES AT ANY ONE TIME BEFORE THE AREA IS STABILIZED.
- B. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  1. IN AREAS TO BE PAVED, BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, ITEM NO. 304.1 OR 304.2 HAVE BEEN INSTALLED.
  2. IN AREAS NOT TO BE PAVED:
    - A. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
    - B. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED;
    - C. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.03.
- C. ALL DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 45 DAYS AND PERMANENTLY STABILIZED NO LATER THAN 3 DAYS AFTER FINAL GRADING.

## EROSION CONTROL PRACTICES

- A. INSTALLATION:
  1. INSTALL ALL EROSION CONTROLS AS SHOWN ON THE GRADING PLAN, TYPICAL DETAILS, AND IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES ON THIS PAGE. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED.
- B. INSPECTION:
  1. INSPECT ALL EROSION CONTROLS WEEKLY AND AFTER EVERY RAIN EVENT OF 0.5 INCHES OR GREATER UNLESS OTHERWISE NOTED.
  2. TEMPORARY STABILIZATION PRACTICES SHALL BE INSPECTED ONE PER WEEK DURING CONSTRUCTION UNTIL EXPOSED SURFACES ARE STABILIZED.
  3. ANY SIGNS OF RILL OR GULLY EROSION SHALL BE IMMEDIATELY REPAIRED.
- C. MAINTENANCE:
  1. MAINTAIN EROSION CONTROLS PER THE TYPICAL DETAILS AND IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES ON THIS PAGE.
- D. REMOVAL:
  1. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE 85% VEGETATIVE COVER HAS BEEN ESTABLISHED.
  2. AFTER REMOVAL, ALL DISTURBED AREAS SHALL BE REGRADED, FERTILIZED, AND RESEED. MONITOR TO ENSURE VEGETATIVE GROWTH IS ESTABLISHED AND REPAIR AS NEEDED UNTIL MINIMUM OF 85% VEGETATIVE COVER IS ESTABLISHED.

## COLD WEATHER SITE STABILIZATION

- A. SHALL BE UTILIZED BETWEEN NOVEMBER 30TH AND MAY 1ST. THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE FOLLOWING METHODS PRIOR TO ANY THAW OR SPRING MELT EVENT:
  1. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30TH, OR WHICH ARE DISTURBED AFTER NOVEMBER 30TH, SHALL BE SEEDING AND COVERED WITH 3-4 TONS OF HAY OR STRAW MULCH PER ACRE SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE FOLLOWING CRITERIA:
    1. THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 25% AND 65%; DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS;
    2. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS THE ORGANIC MATERIAL;
    3. THE MIX SHALL NOT CONTAIN SILTS, CLAYS, OR FINE SANDS;
    4. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 100% PASSING A 3-INCH SCREEN, 90% TO 100% PASSING A 1-INCH SCREEN, 70% TO 100% PASSING A 0.75-INCH SCREEN, AND 30% TO 75% PASSING A 0.25 INCH SCREEN;
    5. THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
- B. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30TH, OR WHICH ARE DISTURBED AFTER NOVEMBER 30TH, SHALL BE SEEDING AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX MEETING THE CRITERIA SPECIFIED IN (B)(1)-(5).
- C. INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX, MEETING THE CRITERIA SPECIFIED IN (B)(1)-(5) SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1-INCH IN DEPTH.
- D. INSTALLATION OF EROSION CONTROL BLANKETS SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH OR ON FROZEN GROUND.
- E. ALL PROPOSED STABILIZATION IN ACCORDANCE WITH (A) OR (B) SHALL BE COMPLETED WITHIN A DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
- F. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30TH, OR WHICH ARE DISTURBED AFTER NOVEMBER 30TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- G. AFTER NOVEMBER 30TH, INCOMPLETE ROAD OR PARKING SURFACES WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3-INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, ITEM NO. 304.1 OR 304.2.

## TEMPORARY VEGETATION

- A. SITE PREPARATION:
  1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED ABOVE.
  2. ENSURE RUNOFF IS DIVERTED FROM SEEDING AREA.
  3. ON SLOPES OF 4:1 OR STEEPER, CREATE HORIZONTAL GROOVES PERPENDICULAR TO THE DIRECTION OF THE SLOPE TO CATCH SEED AND REDUCE RUNOFF.
- B. SEED BED PREPARATION:
  1. REMOVE STONES AND TRASH FROM AREA TO BE SEEDING.
  2. COMPACTED SOIL SHALL BE LOOSENEED TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME, AND SEED.
  3. APPLY FERTILIZER AT A RATE OF 600 LBS PER ACRE OF 10-10-10. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE.
- C. SEEDING:
  1. SEED PER THE FOLLOWING RECOMMENDATIONS

SEASON	APPLICATION DATE	MIXTURE TYPE	QUANTITY (lb./Ac.)
EARLY SPRING	NO LATER THAN 5/15	OATS	80
LATE SPRING/ FALL	4/1 TO 6/1 & 8/15 TO 9/15	PERENNIAL RYE	30
EARLY SPRING/ FALL	4/1 TO 5/15 & 8/15 TO 9/15	ANNUAL RYE	40
FALL	8/15 TO 9/15	WINTER RYE	112

2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.
3. TEMPORARY SEEDING SHOULD TYPICALLY OCCUR PRIOR TO SEPTEMBER 15TH.

4. AREAS SEEDING BETWEEN MAY 15TH AND AUGUST 15TH SHOULD BE COVERED WITH HAY OR STRAW MULCH.
5. VEGETATED GROWTH COVERING AT LEAST 85% OF THE DISTURBED AREA SHOULD BE ACHIEVED PRIOR TO OCTOBER 15TH. IF THIS CONDITION IS NOT ACHIEVED, IMPLEMENT OTHER TEMPORARY STABILIZATION MEASURES FOR OVERWINTER PROTECTION.
- D. MAINTENANCE:
  1. TEMPORARY SEEDING SHOULD BE INSPECTED WEEKLY AND AFTER ANY RAINFALL EXCEEDING 1/2 INCH IN 24 HOURS ON ACTIVE CONSTRUCTION SITES. TEMPORARY SEEDING SHOULD ALSO BE INSPECTED JUST PRIOR TO SEPTEMBER 15, TO ASCERTAIN WHETHER ADDITIONAL SEEDING IS REQUIRED TO PROVIDE STABILIZATION OVER THE WINTER PERIOD.
  2. BASED ON INSPECTION, AREAS SHOULD BE RESEED TO ACHIEVE FULL STABILIZATION OF EXPOSED SOILS. IF IT IS TOO LATE IN THE PLANTING SEASON TO APPLY ADDITIONAL SEED, THEN OTHER TEMPORARY STABILIZATION MEASURES SHOULD BE IMPLEMENTED.
  3. AT A MINIMUM, 85% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION.
  4. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHOULD BE MADE AND AREAS SHOULD BE RESEED, WITH OTHER TEMPORARY MEASURES (E.G., MULCH) USED TO PROVIDE EROSION PROTECTION DURING THE PERIOD OF VEGETATION ESTABLISHMENT.

## PERMANENT VEGETATION

- A. SITE PREPARATION:
  1. REFER TO SITE PREPARATION FOR TEMPORARY SEEDING.
- B. SEED BED PREPARATION:
  1. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE STABILIZER. THE FINAL HARROWING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
  2. REMOVE FROST FROM THE SURFACE ALL STONES 2 INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, CONCRETE, CLODS, LUMPS, TRASH OR OTHER UNSUITABLE MATERIAL.
  3. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE TILLED AND FIRMED AS ABOVE.
  4. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.
  5. APPLY FERTILIZER AT A RATE OF 600 LBS PER ACRE OF 10-10-10. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE.
- C. SEEDING:
  1. GRASS SEED MIXTURE 'C' SHALL BE APPLIED AT THE SPECIFIED RATE AS NOTED IN THE 'SEED MIXTURES FOR PERMANENT VEGETATION' TABLE.
  2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
  3. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS BY ROLLING, OR LIGHT DRAG.
  4. WHEN HYDROSEEDING (HYDRAULIC APPLICATION), PREPARE THE SEEDBED AS SPECIFIED ABOVE OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN 2 INCHES IN DIAMETER.
  5. SEEDING MULCH SHALL BE APPLIED TO THE SEEDBED IMMEDIATELY AFTER SEEDING.
  6. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED (UNLESS IT IS USED TO HOLD STRAW OR HAY). BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR 500 POUNDS PER ACRE OF WOOD FIBER MULCH.
  7. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.
- D. MAINTENANCE:
  1. PERMANENTLY SEEDING AREAS SHOULD BE INSPECTED MONTHLY.
  2. MOW SEEDING AREAS AS NECESSARY.
  3. BASED ON INSPECTION, AREAS SHOULD BE REPAIRED AND/OR RESEED TO ENSURE 85% OF THE SOIL SURFACE IS COVERED BY VEGETATION.

## MULCHING & EROSION CONTROL MATING

- A. GENERAL:
  1. APPLY PRIOR TO A STORM EVENT. CLOSELY MONITOR THE WEATHER TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.
  2. MULCHING WITHIN A SPECIFIED TIME PERIOD FROM ORIGINAL SOIL EXPOSURE A. WITHIN 100 FEET OF WETLANDS THE TIME PERIOD SHOULD BE NO GREATER THAN 7 DAYS.
  - B. IN OTHER AREAS IT SHALL BE NO GREATER THAN 14 DAYS.
- B. TEMPORARY MULCHING:
  1. HAY OR STRAW MULCHES:
    - A. ORGANIC MULCHES INCLUDING HAY AND STRAW SHALL BE AIR-DRIED, FREE OF UNDESIRABLE WEEDS AND COARSE MATERIALS.
    - B. APPLICATION RATE SHALL BE 2 BALS/1,000 SF (70-90 POUNDS) OR 1.5-2.0 TONS/ACRE TO COVER 75-90% OF THE GROUND.
  2. ANCHORING:
    1. NETTING SHALL BE JUTE, WOOD FIBER, OR BIODEGRADABLE PLASTIC NETTING INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
    2. TACKIFIER: APPLY POLYMER OR ORGANIC TACKIFIER TO ANCHOR HAY OR STRAW MULCH. APPLY PER MANUFACTURER'S SPECIFICATIONS. TYPICAL APPLICATION RATES ARE 40-60 LBS/ACRE FOR POLYMER MATERIAL AND 80-120 LBS/ACRE FOR ORGANIC LIQUID.
    3. WINTER APPLICATION: APPLY TO A DEPTH OF 4 INCHES. DOUBLE THE ABOVE LISTED APPLICATION RATE. NOTE THAT IF SEEDING IS NECESSARY, MULCH WILL NEED TO BE REMOVED AND THE AREA SEEDING AND MULCHING IN THE SPRING.
- C. MAINTENANCE:
  1. INSPECT PERIODICALLY AND AFTER RAIN STORMS FOR RILLS OR DISPLACEMENT OF MULCH. REPAIR AS NECESSARY. CONTINUE INSPECTIONS UNTIL 85% VEGETATIVE COVER IS ESTABLISHED.
- D. EROSION CONTROL, BLANKET OR MATING:
  1. REFER TO PLANS FOR TYPICAL EROSION CONTROL MATING DETAIL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- E. APPLICATION AND TIMING:
  1. DURING THE GROWING SEASON (APRIL 15 - SEPTEMBER 15) USE ON THE BASE OF GRASSED WATERWAYS, STEEP SLOPES (15% OR GREATER), ANY DISTURBED SOIL WITHIN 100 FEET OF LAKES, STREAMS, AND WETLANDS.
  2. DURING THE LATE FALL AND WINTER (SEPTEMBER 15 - APRIL 15) IN ADDITION TO THOSE LISTED ABOVE USE ON SIDE SLOPES OF GRASSED WATERWAYS AND MODERATE SLOPES (GREATER THAN 8%).
- F. MAINTENANCE:
  1. INSPECT PERIODICALLY AND BEFORE AND AFTER STORM EVENTS TO ENSURE CONTACT WITH THE SOIL UNTIL 85% VEGETATIVE COVER IS ESTABLISHED. REPAIR AND RESTAPLE AS NECESSARY.
- G. PERMANENT MULCHING:
  1. WOOD CHIPS OR GROUND BARK:
    - A. APPLY TO A THICKNESS OF 2 TO 5 INCHES. TYPICAL APPLICATION RATES ARE 10-20 TONS/ACRE OR 460-920 POUNDS/1,000 SF.
  2. MAINTENANCE:
    1. INSPECT ANNUALLY AND AFTER RAIN EVENTS OF 2.5 INCHES OR MORE IN A 24 HOUR PERIOD. REPAIR/REPLACE AS NECESSARY.
- H. EROSION CONTROL MIX:
  - A. COMPOSITION OF THE MIX SHALL BE AS FOLLOWS:
    1. ORGANIC MATTER CONTENT SHALL BE BETWEEN 25-65% DRY WEIGHT BASIS.
    2. PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING THE 3" SCREEN, 90-100% PASSING THE 1" SCREEN, 70-100% PASSING THE 0.75 INCH SCREEN, AND 30-75% PASSING THE 0.25 INCH SCREEN. THE ORGANIC PORTION SHALL BE ELONGATED AND FIBROUS. IT SHALL NOT CONTAIN WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS.
    3. THE MIX SHALL NOT CONTAIN SILTS, CLAYS, OR FINE SANDS.
    4. THE MIX SHALL NOT CONTAIN SILTS, CLAYS, OR FINE SANDS.
    5. SOLUBLE SALTS CONTENT SHALL BE < 4.0MMHOS/CM AND A PH OF 5.0-8.0.
  - B. PLACEMENT OF BERM:
    1. PLACE BERM ALONG A LEVEL CONTOUR. BERM MUST BE A MINIMUM OF 12" HIGH ON THE UPHILL SIDE AND 2 FEET WIDE.
  - C. MAINTENANCE:
    1. INSPECT PERIODICALLY AND AUGMENT AS NEEDED TO MAINTAIN INITIAL THICKNESS. REPLACE IF NO LONGER FUNCTIONING AS INTENDED.

SEED MIXTURE SELECTION BASED ON SOIL TYPE					
USE	SEEDING MIXTURE	SOIL DRAINAGE			
		DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A B C D	FAIR POOR POOR FAIR	GOOD GOOD GOOD EXCELLENT	GOOD FAIR EXCELLENT EXCELLENT	FAIR FAIR GOOD POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER.	A	GOOD	GOOD	GOOD	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES.	A C B C	GOOD GOOD GOOD GOOD	GOOD EXCELLENT EXCELLENT EXCELLENT	GOOD FAIR EXCELLENT EXCELLENT	FAIR POOR FAIR FAIR
PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.)	E F	FAIR FAIR	EXCELLENT EXCELLENT	EXCELLENT EXCELLENT	SEE NOTE SEE NOTE

NOTE: POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREAS AND ATHLETIC FIELDS.

SEED MIXTURES FOR PERMANENT VEGETATION			
MIXTURE	SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SF
A	TALL FESCUE	20	0.45
	CREeping RED FESCUE	20	0.45
	REDTOP	2	0.05
	TOTAL	42	0.95
B	TALL FESCUE	15	0.35
	CREeping RED FESCUE	10	0.25
	CROWN VETCH	15	0.35
	TOTAL	40	0.95
C	TALL FESCUE	20	0.45
	CREeping RED FESCUE	20	0.45
	BIRDSEED TREFOIL	2	0.05
	TOTAL	42	0.95
D	TALL FESCUE	20	0.45
	PLATYFOL	30	0.75
	TOTAL	50	1.20
E	CREeping RED FESCUE	50	1.15
	KENTUCKY BLUEGRASS	50	1.15
	TOTAL	100	2.30
F	TALL FESCUE	150	3.60

## SOIL STOCKPILES

- A. GENERAL:
  1. PLACE IN THE LOCATIONS SHOWN ON THE PLAN. ADDITIONAL STOCKPILES MUST BE LOCATED 50 FEET FROM DITCHES AND CULVERT INLETS.
- B. PROTECTION OF STOCKPILES:
  1. PROTECT SOIL AND AGGREGATE STOCKPILES WITH TEMPORARY PERIMETER SEDIMENT BARRIERS SUCH AS SILT FENCE OR SILT SOCK.
  2. COVER ACTIVE STOCKPILES WITH ANCHORED PROTECTIVE COVERING PRIOR TO EXPECTED STORM EVENTS.
  3. INACTIVE STOCKPILES SHALL BE COVERED WITH ANCHORED TARPS OR TEMPORARILY SEEDING AND MULCH PRIOR TO THE TEMPORARY VEGETATION AND MULCHING NOTES ON THIS PAGE.
  4. STOCKPILES THAT ARE A SOURCE OF DUST SHALL BE COVERED.

## DUST CONTROL

- A. DUST SHALL BE CONTROLLED ON SITE DURING CONSTRUCTION BY IMPLEMENTING THE FOLLOWING DUST CONTROL MEASURES:
  1. MULCHING AND VEGETATIVE COVER TO REDUCE DUST.
  2. MECHANICAL SWEEPERS AND FINE WATER SPRAYS.
  3. COVER SURFACES WITH CRUSHED STONE OR COARSE GRAVEL.

## PHASE 1 CONSTRUCTION SEQUENCING NOTES

1. THIS PROJECT IS PROPOSED TO BE CONSTRUCTED IN TWO PHASES. THE NOTES OF THIS SECTION REFER TO PHASE 1.
  2. PHASE 1 INCLUDES THE REALIGNMENT AND RECONSTRUCTION OF A PORTION OF ST. MATTHEWS DR. AT THE SOUTHWEST CORNER OF THE PARCEL. THE LENGTH OF ROAD TO BE RECONSTRUCTED IS APPROXIMATELY 450 FT. THIS PHASE ALSO INCLUDES THE CONSTRUCTION OF APPROXIMATELY 500 FT OF SHARED DRIVEWAY ACCESS FOR LOTS 9 AND 10.
  3. THE COMMON DRIVEWAY CONSTRUCTION SHALL PROCEED FIRST TO MINIMIZE DAMAGE TO ANY PROPOSED WORK IN ST. MATTHEWS DRIVE.
  4. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE PLANS PRIOR TO START OF CONSTRUCTION.
  5. CLEAR/GRUB ONLY WITHIN THE LIMITS OF GRADING AS SHOWN ON THE PLANS. REMOVE STUMPS ONLY FROM THOSE AREAS THAT CAN BE WORKED AND STABILIZED WITHIN 45 DAYS OF REMOVAL.
  6. STUMPS SHALL BE DISPOSED OFF-SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
  7. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. CONSTRUCT IN LOCATION(S) SHOWN ON THE PLANS AND PER THE STABILIZED CONSTRUCTION ENTRANCE DETAIL.
  8. STOCKPILES:
    - A. STOCKPILE LOAM IN LOCATION(S) SHOWN ON THE PLANS FOR RE-USE AS NEEDED.
    - B. TEMPORARILY STABILIZE LOAM STOCKPILES WITH:
      1. WINTER RYE GRASS - PRIOR TO SEPTEMBER 15TH
      2. MULCH - FROM SEPTEMBER 15TH TO MAY 1ST
  9. BEGIN DRIVEWAY CONSTRUCTION WITH THE INSTALLATION OF THE PROPOSED 48" CULVERT.
  10. CULVERT INSTALLATION SHALL BE COMPLETED DURING LOW FLOW CONDITIONS.
  11. THE CULVERT SHALL BE INSTALLED TO THE LINE AND GRADES AS SHOWN ON THE DESIGN PLANS.
  12. THE BEDDING AND BACKFILL MATERIALS SHALL BE INSTALLED AND COMPACTED IN ACCORDANCE WITH THE CONSTRUCTION DETAILS.
  13. THE DESIGN ENGINEER SHALL INSPECT THE SOIL CONDITIONS AT THE SITE PRIOR TO THE PLACEMENT OF THE BEDDING AND CULVERT. UNSUITABLE MATERIALS SHALL BE REMOVED AND REPLACED WITH SUITABLE BEDDING MATERIAL APPROVED BY THE ENGINEER.
  14. ONCE BACKFILL MATERIAL IS OVER THE CROWN OF THE CULVERT TO A MINIMUM DEPTH OF 1 FT, THE REMAINDER OF THE DRIVEWAY CONSTRUCTION SHALL PROCEED.
  15. CONSTRUCT AND STABILIZE ALL PERMANENT SEDIMENT, EROSION, AND DETENTION CONTROL FACILITIES AS SHOWN.
  16. SHARED DRIVEWAY CONSTRUCTION:
    - A. CUTS AND FILLS:
      1. CONSTRUCT IN LOCATION(S) AND TO GRADES AS SHOWN ON THE PLANS
      2. FILLS:
        - A. PLACE MAXIMUM 12" LIFTS AND COMPACT TO 95% MAXIMUM DRY DENSITY.
        - B. ALL MATERIAL BASED ON PROCTOR TEST SHALL BE FREE OF DELETERIOUS MATERIAL SUCH AS LOAM, STUMPS, BRUSH, AND ROCKS LARGER THAN 3/4 THE DEPTH OF THE LIFT BEING PLACED.
      3. LOAM AND SEED SLOPES WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
    - B. BASE MATERIALS:
      1. BANK RUN AND CRUSHED GRAVEL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY TO THE DEPTHS SPECIFIED IN THE SHARED DRIVE CROSS SECTION.
17. ONCE DRIVEWAY CONSTRUCTION IS COMPLETED TO CRUSHED GRAVEL GRADE, BEGIN RECONSTRUCTION OF ST. MATTHEWS DRIVE.

18. THE TOWN DPW SHALL BE PROVIDED ADEQUATE NOTIFICATION PRIOR TO BEGINNING CONSTRUCTION. TEMPORARY ROADWAY CLOSURE MAY BE REQUIRED DURING THIS CONSTRUCTION.
19. REMOVE ORGANICS, RIPRAP, STONEWALLS, AND ANY OTHER UNSUITABLE MATERIALS FROM THE GRADING LIMITS AS SHOWN ON THE PLANS FOR THE RECONSTRUCTION OF ST. MATTHEWS DRIVE.
20. ST. MATTHEWS DRIVE ROAD RECONSTRUCTION:
  - A. CUTS AND FILLS:
    1. CONSTRUCT IN LOCATION(S) AND TO GRADES AS SHOWN ON THE PLANS
    2. FILLS:
      - A. PLACE MAXIMUM 12" LIFTS AND COMPACT TO 95% MAXIMUM DRY DENSITY.
      - B. ALL MATERIAL BASED ON PROCTOR TEST SHALL BE FREE OF DELETERIOUS MATERIAL SUCH AS LOAM, STUMPS, BRUSH, AND ROCKS LARGER THAN 3/4 THE DEPTH OF THE LIFT BEING PLACED.
    3. LOAM AND SEED SLOPES WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
  - B. DRAINAGE AND UTILITY STRUCTURES:
    1. INSTALL AS NECESSARY AND STABILIZE.
  - C. BASE MATERIALS:
    1. BANK RUN AND CRUSHED GRAVEL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY TO THE DEPTHS SPECIFIED IN THE ST. MATTHEWS DRIVE CROSS SECTION.
  - D. PAVEMENT FOR ST. MATTHEWS DRIVE AND SHARED DRIVE:
    1. PLACE AS SOON AS POSSIBLE AFTER THE SELECT MATERIALS ARE INSTALLED AND ACCEPTED TO ELIMINATE SOIL EROSION.
    2. STABILIZE ALL ROADWAYS, PARKING AREAS, AND THE SHARED DRIVEWAY WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
21. INSPECT, MAINTAIN, AND IF NECESSARY, REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS STATED IN EROSION CONTROL NOTES ON THIS SHEET.
22. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE INITIAL GROWTH IS ESTABLISHED.

## PHASE 2 CONSTRUCTION SEQUENCING NOTES

1. THIS PROJECT IS PROPOSED TO BE CONSTRUCTED IN TWO PHASES. THE NOTES OF THIS SECTION REFER TO PHASE 2.
2. PHASE 2 INCLUDES THE CONSTRUCTION OF THE PROPOSED 1,000 FT OF ROADWAY AND CUL-DE-SAC DESIGNATED AS HERITAGE LANE ON THE PLANS FOR THE RECONSTRUCTION OF ST. MATTHEWS DRIVE.
3. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE PLANS PRIOR TO START OF CONSTRUCTION.
4. CLEAR/GRUB ONLY WITHIN THE LIMITS OF GRADING AS SHOWN ON THE PLANS. REMOVE STUMPS ONLY FROM THOSE AREAS THAT CAN BE WORKED AND STABILIZED WITHIN 45 DAYS OF REMOVAL.
5. CLEAR/GRUB:
  - A. STUMPS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
6. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. CONSTRUCT IN LOCATION(S) SHOWN ON THE PLANS AND PER THE STABILIZED CONSTRUCTION ENTRANCE DETAIL.
7. STOCKPILES:
  - A. STOCKPILE LOAM IN LOCATION(S) SHOWN ON THE PLANS FOR RE-USE AS NEEDED.
  - B. TEMPORARILY STABILIZE LOAM STOCKPILES WITH:
    1. WINTER RYE GRASS - PRIOR TO SEPTEMBER 15TH
    2. MULCH - FROM SEPTEMBER 15TH TO MAY 1ST
8. CONSTRUCT AND STABILIZE ALL PERMANENT SEDIMENT, EROSION, AND DETENTION CONTROL FACILITIES AS LISTED ABOVE.
  - A. THESE SHALL BE INSTALLED BEFORE ANY MAJOR EARTH MOVING OPERATIONS.
9. HERITAGE LANE ROAD CONSTRUCTION:
  - A. CUTS AND FILLS:
    1. CONSTRUCT IN LOCATION(S) AND TO GRADES AS SHOWN ON THE PLANS
    2. FILLS:
      - A. PLACE MAXIMUM 12" LIFTS AND COMPACT TO 95% MAXIMUM DRY DENSITY.
      - B. ALL MATERIAL BASED ON PROCTOR TEST SHALL BE FREE OF DELETERIOUS MATERIAL SUCH AS LOAM, STUMPS, BRUSH, AND ROCKS LARGER THAN 3/4 THE DEPTH OF THE LIFT BEING PLACED.
    3. LOAM AND SEED SLOPES WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
  - B. DRAINAGE AND UTILITY STRUCTURES:
    1. INSTALL AS SHOWN IN ACCORDANCE WITH DETAILS AND DRY STABILIZE.
  - C. BASE MATERIALS:
    1. BANK RUN AND CRUSHED GRAVEL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY TO THE DEPTHS SPECIFIED IN THE HERITAGE LANE CROSS SECTION.
  - D. PAVEMENT:
    1. PLACE AS SOON AS POSSIBLE AFTER THE SELECT MATERIALS ARE INSTALLED AND ACCEPTED TO ELIMINATE SOIL EROSION.
    2. STABILIZE ALL ROADWAYS AND DRIVES WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
10. INSPECT, MAINTAIN, AND IF NECESSARY, REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS STATED IN EROSION CONTROL NOTES ON THIS SHEET.
11. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE INITIAL GROWTH IS ESTABLISHED.

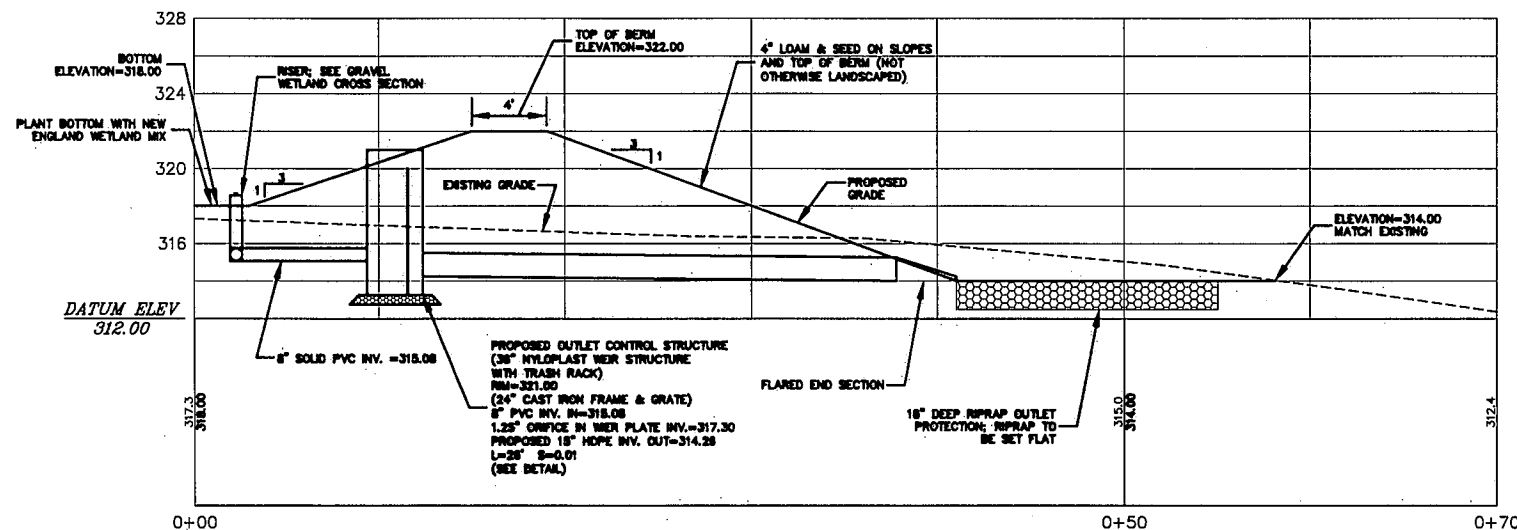
## STOCKPILED MATERIALS CONSTRUCTION SEQUENCING NOTES

1. THE EXISTING MATERIAL STOCKPILE ON THE EAST SIDE OF THE INTERSECTION OF GERRIOR LANE AND ST. MATTHEWS DRIVE WILL BE PROCESSED ON-SITE AND USED FOR CONSTRUCTION OF THE ROADS AND DRIVEWAYS.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE MATERIAL PROCESSING SITE PLAN.
3. CLEAR AND GRUB THE AREA SHOWN ON THIS PLAN TO BE USED FOR PROCESSING AND STOCKPILING PROCESSED MATERIAL.
4. LOAM SHALL BE STOCKPILED IN THE LOCATION SHOWN ON THIS SITE PLAN.
5. ALL FILL AND GRAVEL MATERIAL FOR THE PROPOSED SUBDIVISION PROJECT WILL BE PROCESSED FOR THE EXISTING STOCKPILE. ANY EXCESS PROCESSED GRAVEL WILL BE REMOVED FROM THE SITE.
6. THE ESTIMATED QUANTITY OF MATERIAL TO BE PROCESSED FROM THE ON-SITE STOCKPILE IS 10,000 TO 12,000 CY. THE APPROXIMATE QUANTITY OF MATERIAL REQUIRED FOR THE DEVELOPMENT IS 50K. THE REMAINDER OF THE PROCESSED MATERIAL WILL BE REMOVED FROM THE SITE.

## ADDITIONAL NOTES

1. NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION.
2. DURING CONSTRUCTION DUST SHALL BE PREVENTED FROM BECOMING A SAFETY OR HEALTH HAZARD BY THE IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS WATERING.
3. ALL CONSTRUCTION MATERIALS THAT ARE SPILLED OR DEPOSITED ON THE PUBLIC ROADWAYS SHALL BE REMOVED BY THE CONTRACTOR.
4. DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.
5. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
6. REQUIRED EROSION CONTROL MEASURES SHALL BE

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Wed, 15 May 2013 - 11:10am



**SECTION B-B' GRAVEL WETLAND PIPE OUTLET DETAIL**  
SCALE: 1"=5'

**CONSTRUCTION NOTES:**

- DO NOT PLACE GRAVEL WETLANDS 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 GRAVEL WETLAND DURING ANY STAGE OF CONSTRUCTION.
- CLEAR AND GRUB THE AREA WHERE THE GRAVEL WETLAND IS TO BE LOCATED. STOCKPILE LOAM FOR REUSE LATER.
- THE FOUNDATION AREA SHALL BE SCARIFIED PRIOR TO PLACING FILL. ALL UNSUITABLE MATERIAL UNDER THE BERM SHALL BE REMOVED AND REPLACED WITH SUITABLE FOUNDATION MATERIAL.
- THE BERM SHALL BE CONSTRUCTED BEGINNING FROM THE LOWEST POINT UNIFORMLY ALONG ITS ENTIRE LENGTH. PLACE MATERIALS IN MAXIMUM 12" LOOSE LIFTS COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR DENSITY. EMBANKMENT SOIL SHALL HAVE NO ORGANIC MATTER OR FROZEN MATERIAL, AND NO STONES LARGER THAN 2/3 OF THE MAXIMUM LOOSE LIFT THICKNESS. STONES AROUND ANY STRUCTURES AND/OR CONDUITS SHALL NOT EXCEED 3 INCHES. EMBANKMENT FILL MATERIAL SHALL HAVE THE FOLLOWING GRADATION:

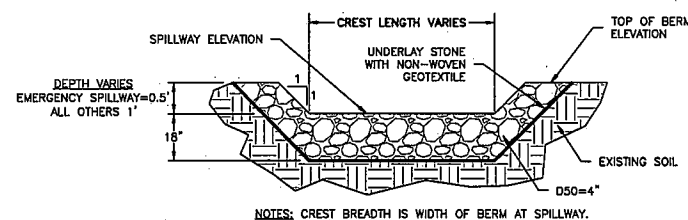
SIEVE SIZE:	% PASSING:
#4	80-80
#10	50-80
#100	30-45
#200	15-30

- ALL PIPE TO PIPE CONNECTIONS SHALL BE WATER-TIGHT.

- ALL DISTURBED AREAS NOT OTHERWISE PLANTED SHALL RECEIVE FOUR INCHES OF LOAM AND SEED PER THE CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES ON SHEET D1.

**GRAVEL WETLAND MAINTENANCE:**

- SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EVENT EXCEEDING 2.5 INCHES IN A 24 HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
- TRASH AND DEBRIS SHOULD BE REMOVED AT EACH INSPECTION.
- AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF GRAVEL WETLAND 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 INCLUDING BUT NOT LIMITED TO REMOVAL AND REPLACEMENT OF WETLAND SOIL AND REPLANTING.
- 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.

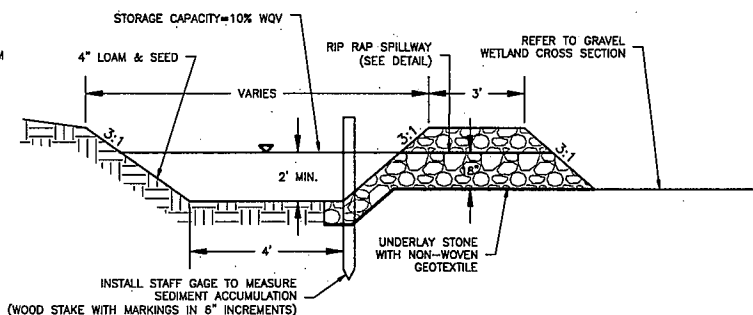


**RIP RAP SPILLWAY TYPICAL CROSS SECTION DETAIL**  
N.T.S.

- NOTES:**
- RIP RAP SPILLWAYS ARE LOCATED AT SEDIMENT FOREBAY OUTLETS BETWEEN CELL #1 AND CELL #2 OF GRAVEL WETLAND AND EMERGENCY SPILLWAY OF GRAVEL WETLAND.

**RIP-RAP GRADATION**

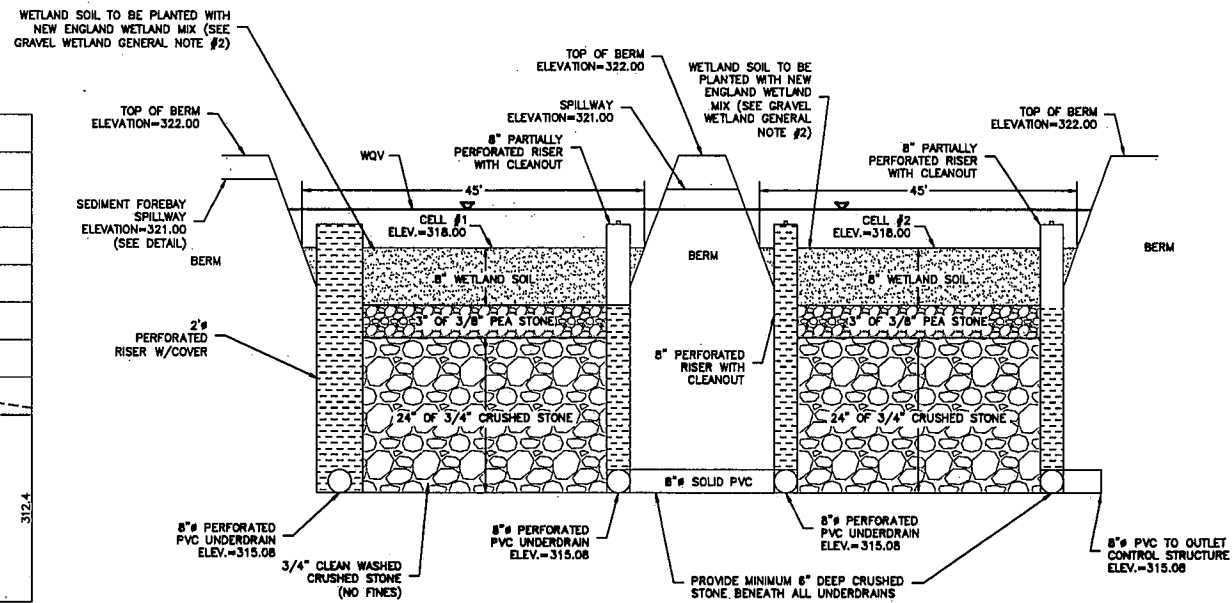
% OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE (INCHES)
100	6 TO 8
95	5.2 TO 7.2
50	4 TO 6
15	1.2 TO 2



**SEDIMENT FOREBAY TYPICAL CROSS SECTION DETAIL**  
N.T.S.

**NOTES:**

- REFER TO BERM CONSTRUCTION NOTES IN GRAVEL WETLAND DETAIL FOR BERM CONSTRUCTION REQUIREMENTS.
- REFER TO RIPRAP SPILLWAY CROSS SECTION DETAIL FOR SPILLWAY CONSTRUCTION REQUIREMENTS.
- THE SEDIMENT FOREBAY SHALL BE MOWED WITH THE REST OF THE SITE LAWN AREAS TO PROMOTE HEALTHY GROWTH AND PREVENT THE ENCRoACHMENT OF WEEDS AND WOODY VEGETATION.
- INSTALL STAFF GAGE TO MEASURE SEDIMENT ACCUMULATION. SEDIMENT SHALL BE REMOVED AFTER SEDIMENT ACCUMULATES TO A DEPTH OF 1 FOOT.

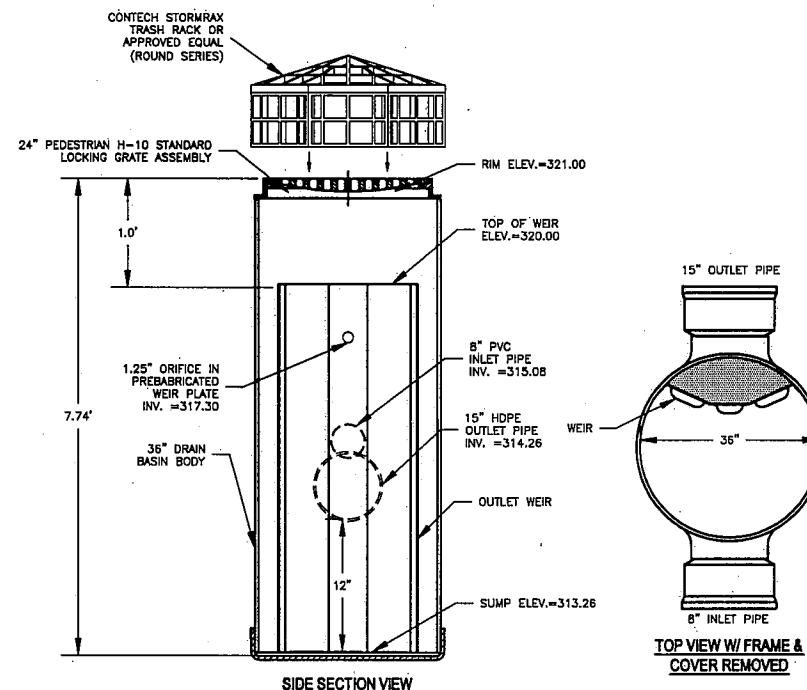


**GRAVEL WETLAND #1 CROSS SECTION**  
N.T.S.

**GRAVEL WETLAND GENERAL NOTES:**

- WETLAND SOIL MIX SHALL BE A SILT LOAM WITH A MINIMUM OF 15-20% ORGANIC CONTENT BY MASS. THE CLAY CONTENT SHALL NOT EXCEED 15% BY VOLUME. THE ORGANIC MATTER SHALL CONSIST OF DECIDUOUS LEAF COMPOST PROPERLY MATURED AND AT LEAST ONE YEAR OLD. THERE SHALL BE NO LEAF MULCH, COMPOSTED MIXED YARD DEBRIS, OR WOOD CHIPS.
- GRAVEL WETLAND BOTTOM TO BE PLANTED WITH NEW ENGLAND WETLAND MIX AVAILABLE FROM:

PIERSON NURSERIES INC.  
24 BUZZELL ROAD  
BIDDEFORD, ME 04005  
(207)-499-4992



**GRAVEL WETLAND OUTLET CONTROL STRUCTURE:  
36\"/>**

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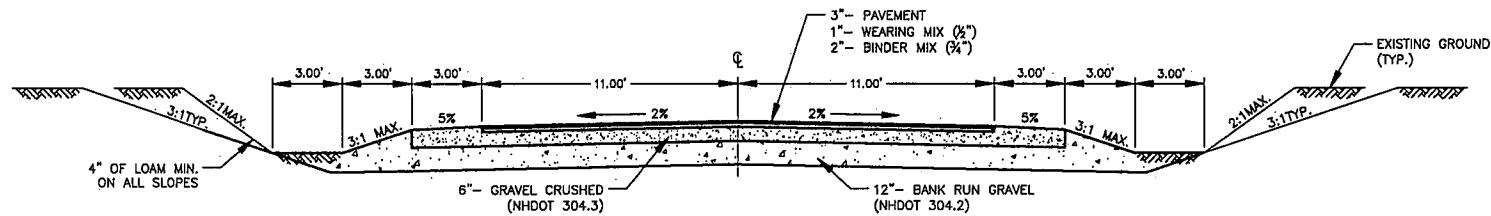
**NOTES:**

- PVC DRAIN BASIN TO BE NYLOPLAST 36 INCH WEIR STRUCTURE OR APPROVED EQUAL. FRAME AND COVER SHALL BE NYLOPLAST 24 INCH PEDESTRIAN H-10 STANDARD LOCKING GRATE ASSEMBLY OR APPROVED EQUAL.
- FOR SALES, CONTACT:  
HANCOR  
GEOFF HUBBARD - (603) 988-7593  
68 SOUTH STREET  
PORTSMOUTH, NH 03801
- TRASH RACK AVAILABLE FROM:  
CONTECH  
200 ENTERPRISE DR.  
SCARBOROUGH, ME 04074  
PHONE: 207-885-9830

DATE	4/29/13	SCALE	AS SHOWN
DESIGNED BY:	MS/MJS	DRAWN BY:	MS
APPROVED BY:	MJS	DWG FILE:	
NO.		REVISIONS	
DATE	5/13/13	INT.	
INITIAL SUBMISSION TO BARRINGTON PLANNING BOARD			
JOB: 11-060			
D2			

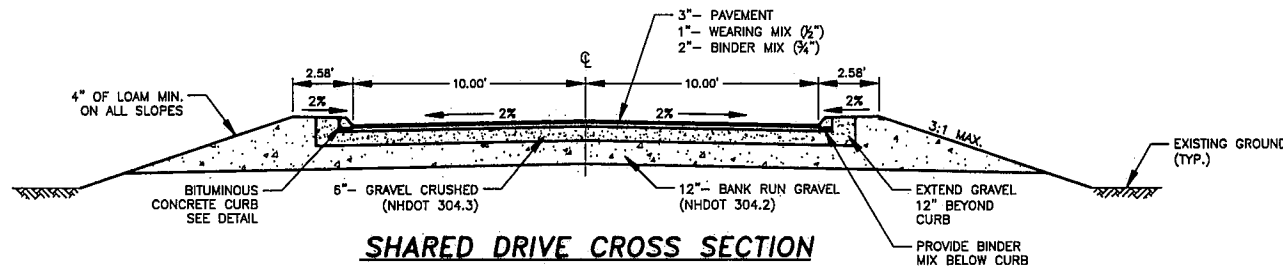
CONSTRUCTION DETAILS  
prepared for  
GERRIOR LANE TRUST  
THE HOMESTEAD SUBDIVISION PHASE II  
GERRIOR DRIVE BARRINGTON, NH

**MJS ENGINEERING, PC**  
5 RAILROAD ST., P.O. Box 359  
NEWBURY, NH 03857  
PHONE: (603) 659-4979, FAX: (603) 659-4457  
E-MAIL: MJS@MJS-ENGINEERING.COM  
CIVIL ENVIRONMENTAL CONSULTING ENGINEERING



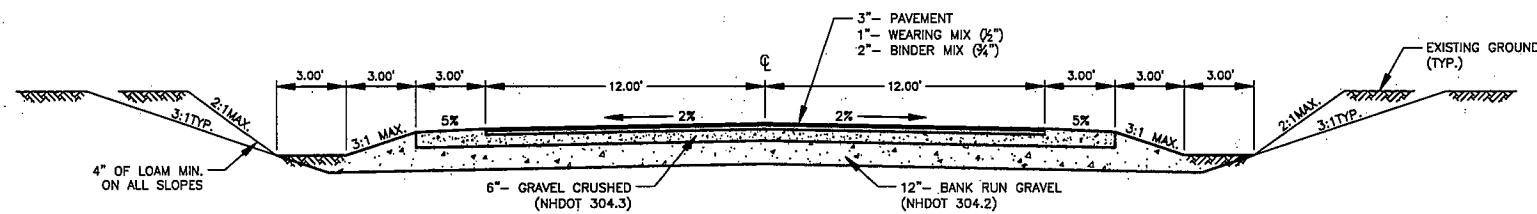
**HERITAGE LANE CROSS SECTION**

SCALE: NO SCALE



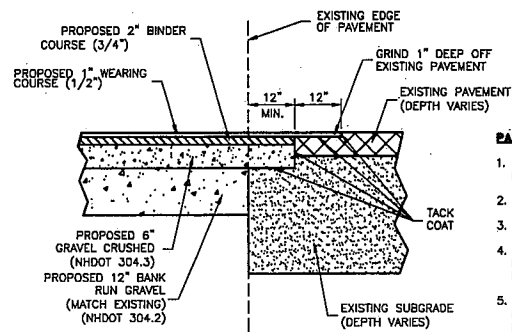
**SHARED DRIVE CROSS SECTION**

SCALE: NO SCALE



**ST. MATTHEWS DRIVE CROSS SECTION**

SCALE: NO SCALE

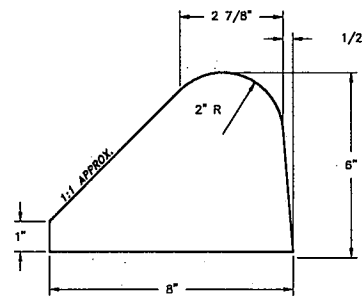


**TYPICAL PAVEMENT SAWCUT DETAIL**

SCALE: N.T.S.

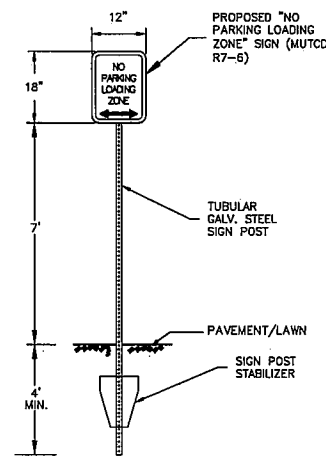
**PAVEMENT SAWCUT NOTES:**

1. SAWCUT THROUGH DEPTH OF PAVEMENT AT LEAST 1 FT. FROM EDGE OR GREATER IF REQUIRED BY TOWN.
2. INSTALL AND COMPACT CRUSHED GRAVEL TO GRADE.
3. PLACE BINDER COURSE.
4. GRIND EXISTING PAVEMENT MIN. 1 FT. WIDE TO A DEPTH NECESSARY TO PROPERLY MATCH NEW WEARING COURSE PAVEMENT.
5. TACK COAT ALL EXISTING PAVEMENT SURFACES WITH EMULSIFIED ASPHALT (MS-1) PRIOR TO PLACING NEW PAVEMENT.



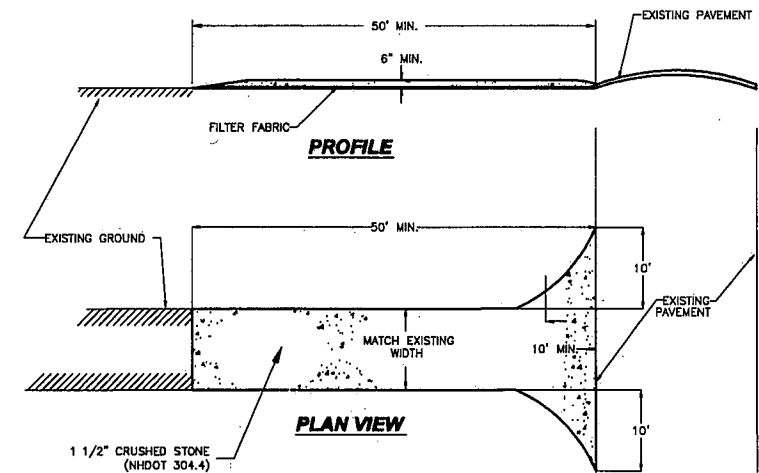
**BITUMINOUS CONCRETE CURB**

N.T.S.



**TYPICAL SIGN DETAIL**

N.T.S.

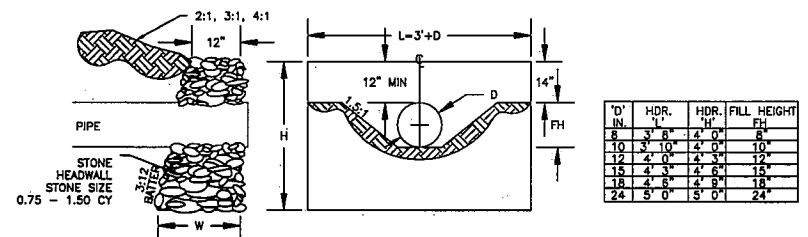


**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

N.T.S.

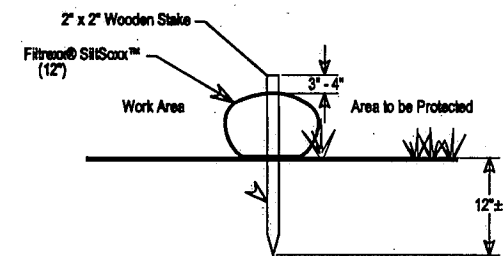
**STABILIZED CONSTRUCTION ENTRANCE NOTES:**

1. GRADE AND COMPACT ACCESS ROAD ENTRANCE AS NECESSARY. PLACE FILTER FABRIC (MIRAFI OR EQUAL) AND PLACE 6" OF 1"-2" STONE TO MATCH SLOPE OF EXISTING ROAD.
2. PROVIDE NECESSARY SWALES OR DIVERSIONS TO MINIMIZE DIRECT FLOW OF WATER ONTO STONE AREA.
3. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED AS NECESSARY TO REMOVE SILT FROM TIRES PRIOR TO ENTERING PUBLIC ROADS. A SMALL SWALE SHALL BE CONSTRUCTED ON THE DOWN GRADIENT SIDE TO TRAP ANY SILT WASHED FROM THE STONE ENTRANCE.



**RUBBLE MASONRY HEADWALL DETAIL**

N.T.S.



**SILT SOXX DETAIL**

N.T.S.

**Notes:**

1. All material to meet Filtrax specifications.
2. Compost material to be dispersed on site up slope from protected area.

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DATE: 5/15/13	SCALE: AS SHOWN	DESIGNED BY: MS/MJS	DRAWN BY: MS	APPROVED BY: MJS	DWG FILE:
CONSTRUCTION DETAILS prepared for GERIOR LANE TRUST					
THE HOMESTEAD SUBDIVISION PHASE II GERIOR DRIVE BARRINGTON, NH					
<b>MJS ENGINEERING, PC</b> 5 RAILROAD ST., P.O. BOX 359 NEWHAMPTON, NH 03057 PHONE (603) 859-4979; FAX (603) 859-4427 E-MAIL: MJS@MJS-ENGINEERING.COM					
JOB: 11-060					
D3					

