

VICINITY PLAN

ABUTTERS LIST

MAP 237 LOT 1-1 DONALD N. JR. & PAULA MCCALLION 7 JODI LANE STRAFFORD, NH 03884 MAP 246 LOTS 3 & 4 CHESLEY HILL PARTNERS LLC

MAP 237 LOT 3-1 GARY & SHARON HUSSEY 24 HUSSEY HILL ROAD ROCHESTER, NH 03867-4205

MAP 237 LOT 5 JOSEPH J. MIGLIORE, III & ANGELES GETINO DIAZ 183 WASHINGTON STREET ROCHESTER, NH 03839-5506

MAP 237 LOT 6 STATE OF NEW HAMPSHIRE JOHN MORTON BUILDING PO BOX 483 CONCORD, NH 03301

MAP 237 LOT 6-2 STATE OF NEW HAMPSHIRE JOHN MORTON BUILDING PO BOX 483 CONCORD, NH 03301

MAP 236 LOT 1 GARY & ROBYNN JEWELL 73 BICKFORD ROAD ROCHESTER, NH 03867-4272

MAP 236 LOT 19 SCOTT & PAULA WENSLEY 125 ESTES ROAD ROCHESTER, NH 03867-4248

MAP 236 LOT 18 ROBERT A. & SUSAN COPP SILVA 129 ESTES ROAD ROCHESTER, NH 03867—4233

MAP 237 LOT 4 WOODBURY C. ARGEREOW, JR. 23 HUSSEY HILL ROAD ROCHESTER, NH 03867 MAP 246 LOT 7 BETTY BAUN 10 HUSSEY HILL ROAD ROCHESTER, NH 03867-4205

MAP 246 LOT B CHARLES W. HUSSEY & BETTY BAUN 10 HUSSEY HILL ROAD ROCHESTER, NH 03867-4205

MAP 247 LOTS 54 & 55 DAVID & JUDITH ROBBINS

MAP 247 LOT 58
JULIE A. & ANDREW M. BRITTON
14 VINEWOOD LANE
ROCHESTER, NH 03867 MAP 237 LOT 6-1 WASHINGTON STREET PARTNERS, LLC c/o CHESAPEAKE DEVELOPMENT 746 D.W. HIGHWAY, UNIT 8 MERRIMACK, NH 03054

MAP 247 LDT 59 RYAN M & CRYSTAL TANGUAY 85 ESTES ROAD ROCHESTER, NH 03867

MAP 247 LOT 61 DWIGHT MEADER 71 ESTES ROAD ROCHESTER, NH 03867-4232

MAP 237 LOT 7 JONATHAN W. & HOLLY A. CLEMENT 30 BICKFORD ROAD ROCHESTER, NH 03867-4288 MAP 130 LOT 39 ARTHUR & VICKI WALKER 174 WASHINGTON STREET ROCHESTER, NH 03839-5504

MAP 130 LOT 40 RONALD & PATRICIA LECLAIR 176 WASHINGTON STREET ROCHESTER, NH 03839-5504

MAP 130 LOT 42 PUBLIC SERVICE OF NH DBA EVERSOURCE ENERGY PO BOX 270

HARTFORD, CT 06141-0270 MAP 130 LOT 43-1 ROUTE 202, LLC c/o JEAN M. KANE 117 BOW STREET PORTSMOUTH, NH 03801

MAP 237A LOT 3-142 KENNETH MCMORRIS JR. 76 FILLMORE BLVD ROCHESTER, NH 03867-4497

MAP 237A LOT 3-147 ERIC SIRLES REVOCABLE TRUST c/o ERIC SIRLES, TRUSTEE
30 PARKER STREET
PORTSMOUTH, NH 03801-3934

MAP 237A LOT 3-148 CHRISTOPHER & MICHELLE CLARLO-JONES 14 PIERCE DRIVE ROCHESTER, NH 03867-4495

MAP 237A LOT 3-149 DAWNE H. WIMBROW 16 PIERCE DRIVE ROCHESTER, NH 03867-4495

MAP 237A LOT 3-161 NATHANIEL & SANDRA BYRNE 118 FILLMORE BLVD. ROCHESTER, NH 03867

MAP 246 LOT 1 MICHAEL R. GALITHIER 259 WASHINGTON STREET ROCHESTER, NH 03839-5425

MAP 236 LOT 20 GERALD & LORI CHASSE 123 ESTES ROAD ROCHESTER, NH 03867-4233 MAP 237A LDT 3-141 ED POTTBERG 72 FILLMORE BLVD ROCHESTER, NH 03867-4497 MAP 230 LOT 8
JAMES L & SUZANNE H. THOMAS
25 BICKFORD ROAD
ROCHESTER, NH 03867-4272

MAP 237A LOT 3-143 WILLIAM & SHERRILL WOODY 1751 STATE ROUTE 32 ROUND POND, ME 04564-3607

MAP 237A LOT 3-144 MICHAEL MCCANN & CHRISTINE CALOGER 82 FILLMORE BOULEVARD ROCHESTER, NH 03867-4497

MAP 237A LOT 3-146 HUNG & ANGELA NGUYEN 6 PIERCE DRIVE ROCHESTER, NH 03867-4495

MAP 237A LOT 3-150 JOSEPH & PHYLLIS BOUDREAU 20 PIERCE DRIVE ROCHESTER, NH 03867-4495

MAP 237A LOT 3-158 RUDOLF & JANET MAIR 5 PIERCE DRIVE ROCHESTER, NH 03867-4495

RESIDENTIAL SUBDIVISION PLAN HIGHFIELD COMMONS PHASE 1B MAP 237 LOTS 3 & FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE





SCALE: 1" = 2.000'

MAP 237A LOT 3-123 ALEXANDER & CAROLYN SMITH 113 FILLMORE BLVD. ROCHESTER, NH 03867-4491

MAP 237A LOT 3-152 LISA COLE 26 PIERCE DRIVE ROCHESTER, NH 03867-4495

SHEET No.

MAP 237A LOT 3-124 DIMANCHE TANN &

MAP 246 LOT 3-1 JAMES E. & MACKENZIE R. COLBY 247 WASHINGTON STREET ROCHESTER, NH 03839-5426

MAP 237 LDTS 8-3 200 WASHINGTON STREET, LLC c/GCHESAPEAKE DEVELOPMENT 746 D.W. HIGHWAY UNIT B MERRIMACK, NH 03054

MAP 237A LOT 3-131 LEANDRO & LETICIA BUENO 93 FILLMORE BLVD. ROCHESTER, NH 03867-4497

MAP 237A LOT 3~134 TRAVERS & CHRISTINA 85 FILLMORE BLVD. ROCHESTER, NH 03867-4497

MAP 237A LOT 3-132 DAVID R. KINZIGER 91 FILLMORE BLVD. ROCHESTER, NH 03867--4497

SHEET TITLE

ABUTTERS LIST

MAP 237A LOT 3-136 HETHER ROBERGE 79 FILLMORE BLVD. ROCHESTER, NH 03867-4487

MAP 237 LOT 8-1 183 WASHINGTON STREET, LLC c/a CHESAPEAKE DEVELOPMENT 746 D.W. HIGHWAY UNIT B MERRIMACK, NH 03054

MAP 246 LOT 3 183 WASHINGTON STREET, LLC c/o CHESAPEAKE DEVELOPMENT 746 D.W. HIGHWAY UNIT B MERRIMACK, NH 03054

MAP 246 LOT 9 183 WASHINGTON STREET, LLC 183 WASHINGTON STREET, LLC c/o CHESAPEAKE DEVELOPMEN 746 D.W. HIGHWAY UNIT B MERRIMACK, NH 03054

MAP 237A LOT 3-145 CESAR & BESARES RIVERA 2 PIERCE DRIVE ROCHESTER, NH 03867-4495

MAP 237A LOT 3-151 CHERYL RYDIN 22 PIERCE DRIVE ROCHESTER, NH 03867—4495

MAP 237A LOT 3-160 NICHOLAS & REBECCA SIEGFRIED 114 FILLMORE BLVD. ROCHESTER, NH 03867-4491 MAP 237A LOT 3-155

JASON MILLER 25 PIERCE DRIVE ROCHESTER, NH 03867-4495

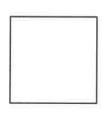
MAP 237A LOT 3~133 DEROY & WANDA WILLIAMS 87 FILLMORE BLVD. ROCHESTER, NH 03867-448 MAP 237A LOT 3-156 KENNETH & JEANNE CARR 19 PIERCE DRIVE ROCHESTER, NH 03867-4495 MAP 237A LOT 3-135 MATTHEW & JENNIFER HAYDON 81 FILLMORE BLVD. ROCHESTER, NH 03867-4497 MAP 237A LOT 3-157 EBEN & WENDY RAMSDELL 11 PIERCE DRIVE ROCHESTER, NH 03867-4495

OWNER/APPLICANT:

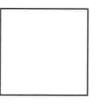
SDJ DEVELOPMENT OF ROCHESTER, LLC c/o CHESAPEAKE DEVELOPMENT, LLC 746 D.W. HIGHWAY, UNIT B MERRIMACK, NEW HAMPSHIRE 03054-2700

PREPARED BY:

KEACH-NORDSTROM ASSOCIATES, INC. 10 COMMERCE PARK NORTH, SUITE 3B BEDFORD, NEW HAMPSHIRE 03110 (603) 627-2881



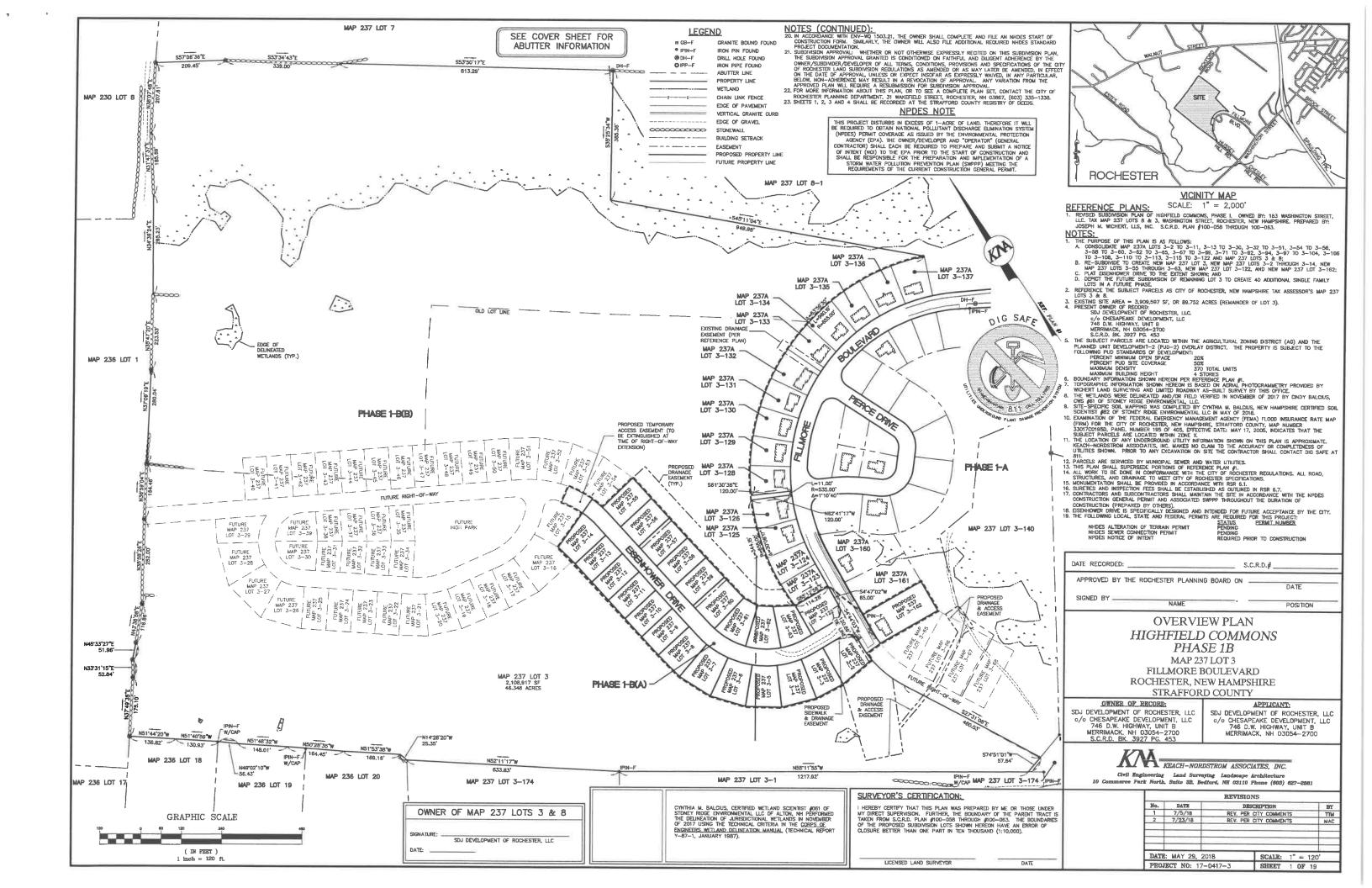


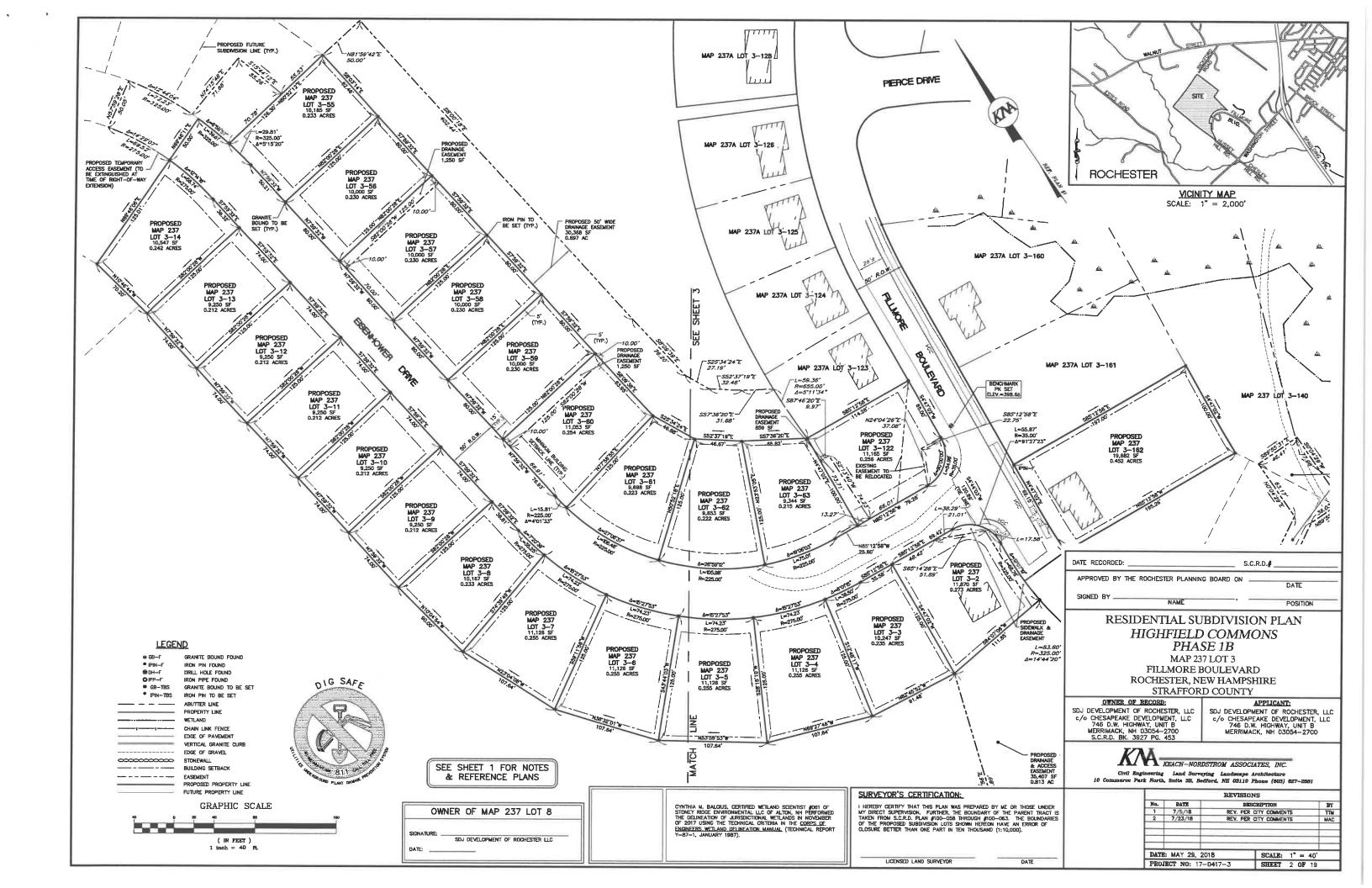


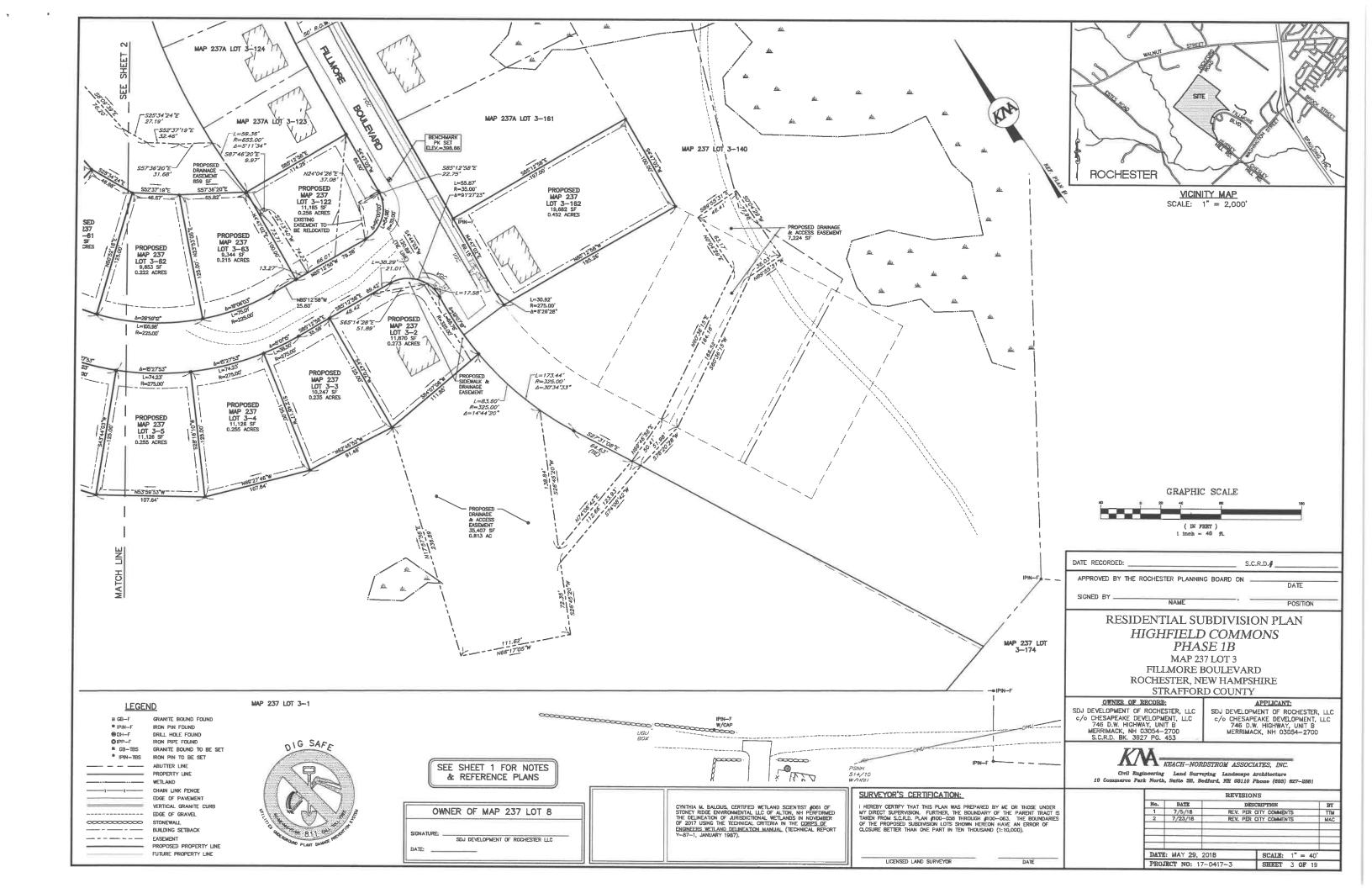
KEACH-NORDSTROM ASSOCIATES, INC.

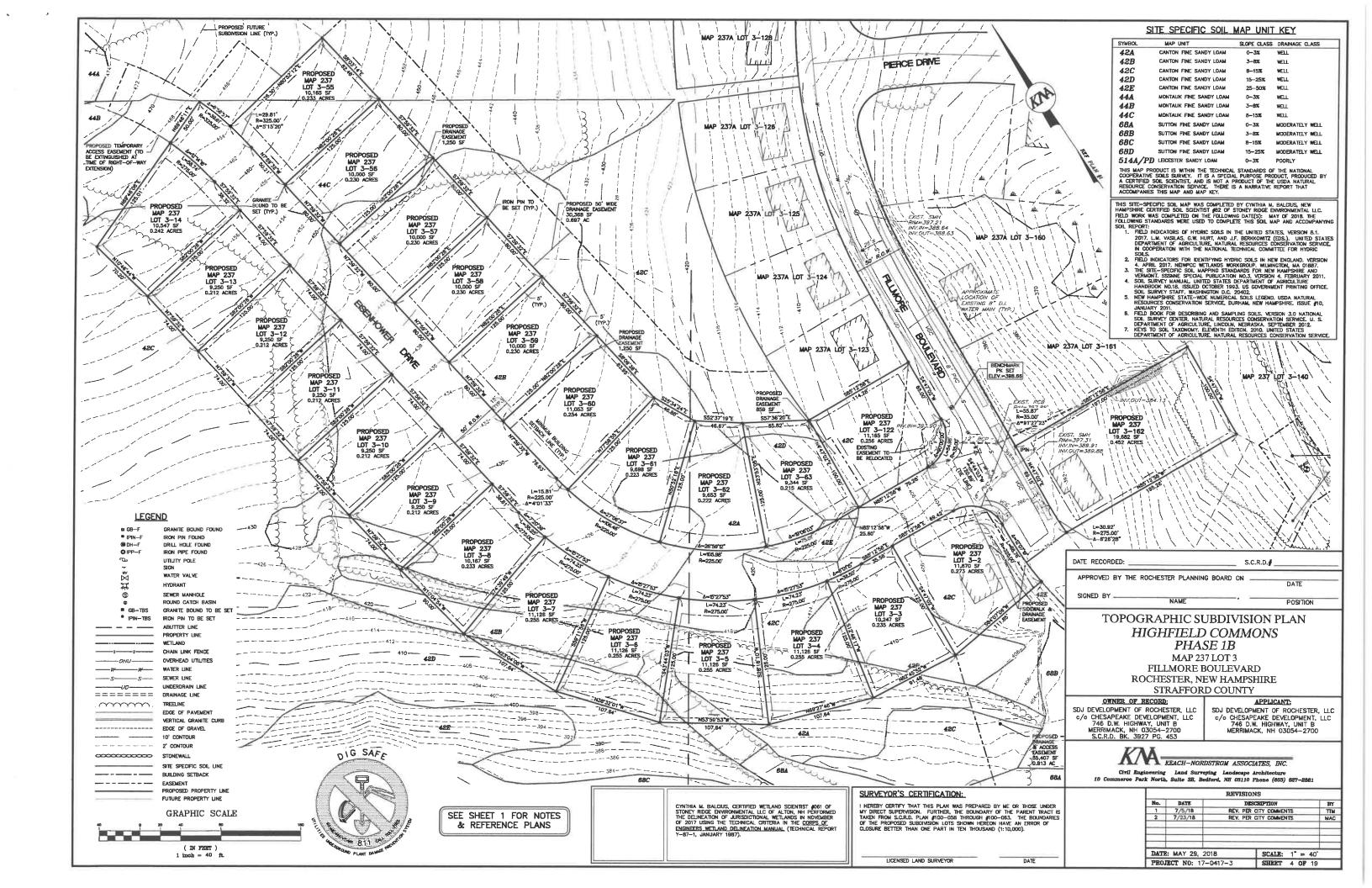
MAY 29, 2018 LAST REVISED: JULY 23, 2018 PROJECT NO. 17-0417-3

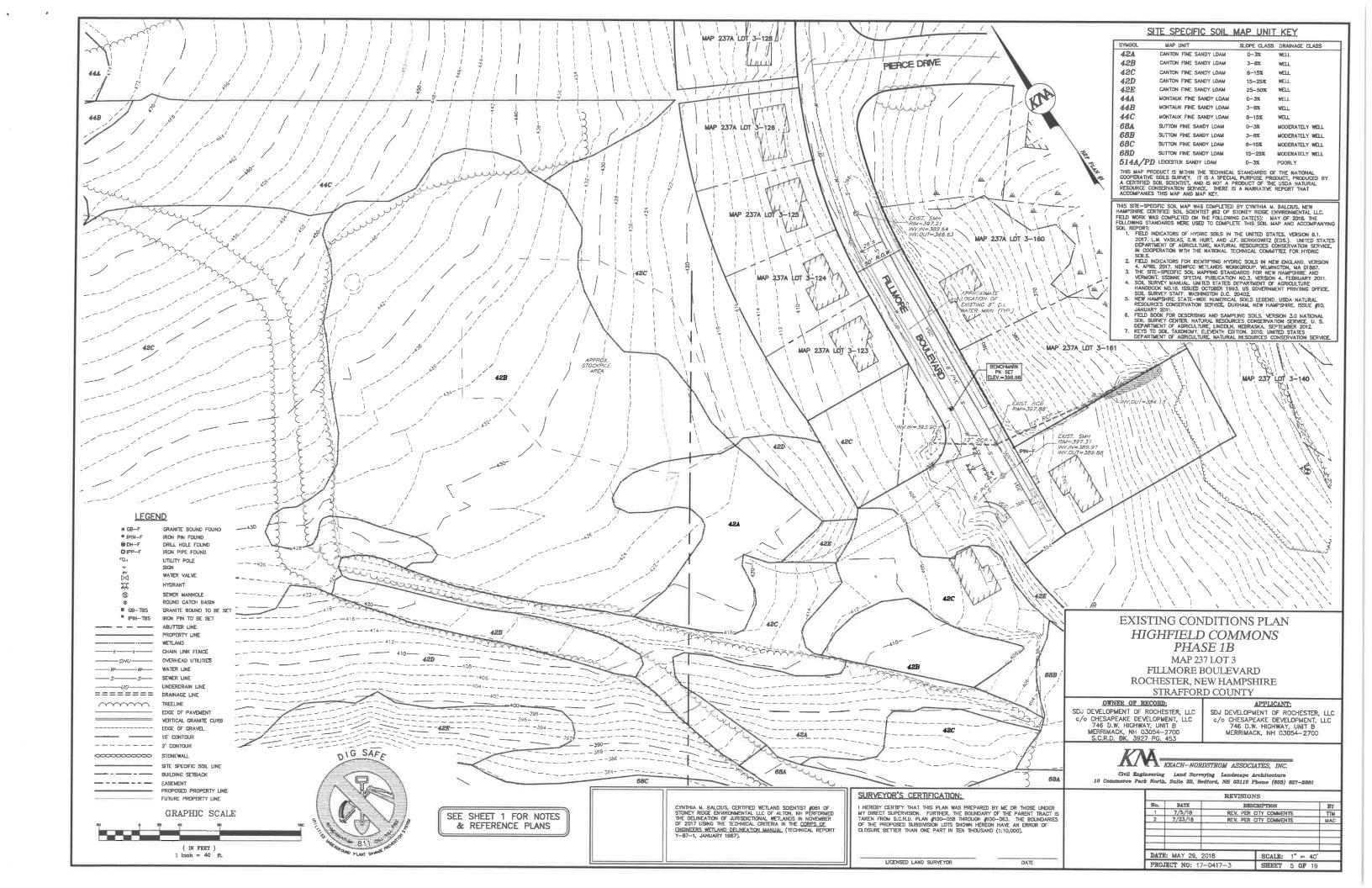
OVERVIEW PLAN	1
RESIDENTIAL SUBDIVISION PLAN	2 & 3
TOPOGRAPHIC SUBDIVISION PLAN	4
EXISTING CONDITIONS PLAN	5
ROADWAY PLAN	6 & 7
ROADWAY PROFILE	8 & 9
GRADING AND EROSION CONTROL PLAN	10
STORMWATER MANAGEMENT AREA PLAN	11
LANDSCAPE PLAN	12
DRAINAGE PROFILES	13
CONSTRUCTION DETAILS	14 - 19
CROSS SECTIONS	X1 - X4

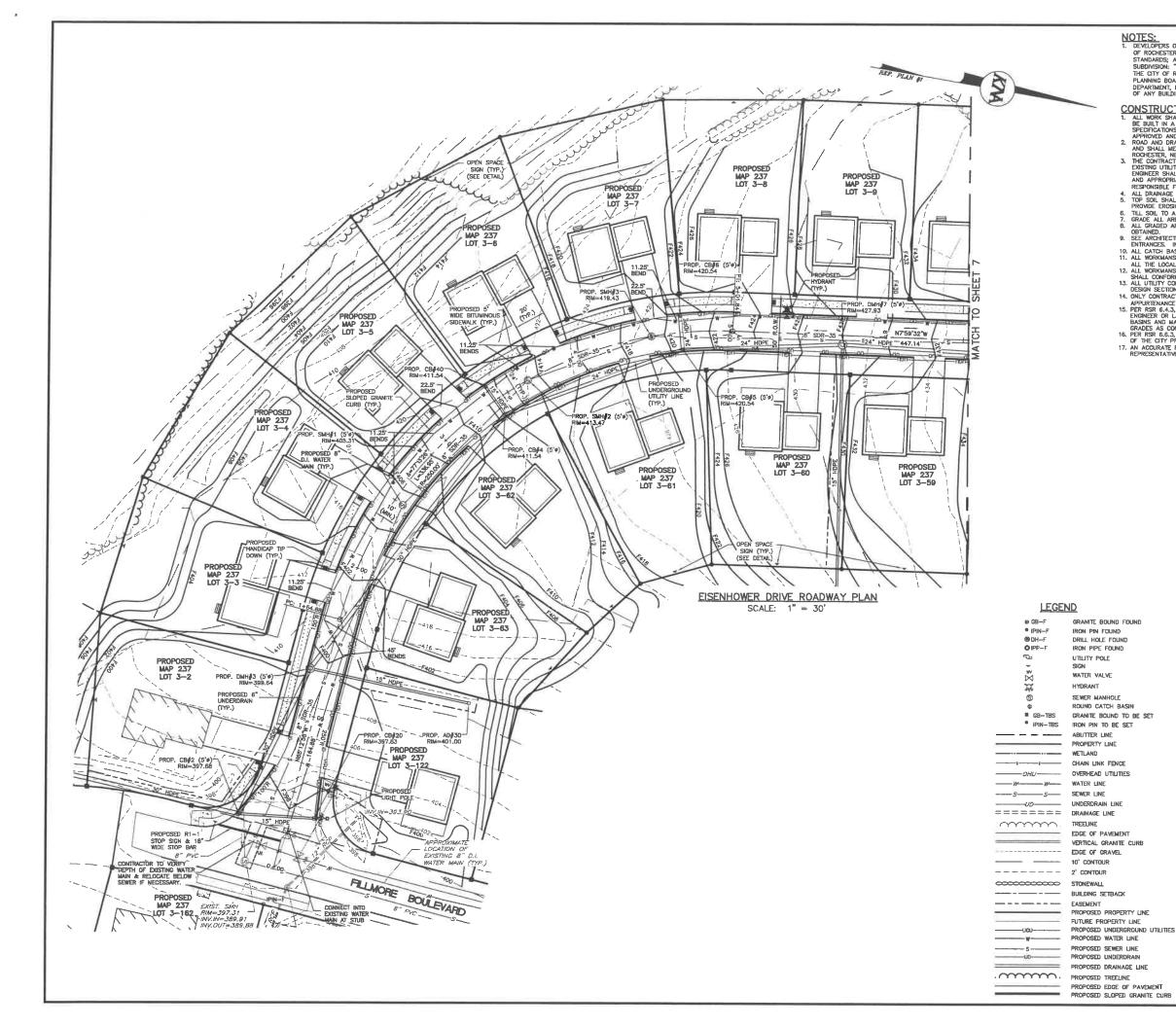












NOTES:

1. DEVELOPERS OF ALL NEW MAJOR SUBDIVISIONS WITH NEW ROADS WHICH ARE INTENDED TO BE CONVEYED TO THE CITY OF ROCHESTER SHALL POST: A) CONSTRUCTION ZONE SIGNS PER THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARDS, AND B) STREET AGOEPTANCE SIGNS WITH THE FOLLOWING LANGLAGE AT ALL PRITY POINTS TO THE SUBDIVISION: "POSTED. THIS SUBDIVISION IS UNDER CONSTRUCTION. THESE STREETS HAVE NOT YET BEEN ACCEPTED BY THE CITY OF ROCHESTER AND ARE NOT ELIGIBLE FOR CITY SERVICES. TRAVEL AT YOUR DOWN RISK. (PER ORDER OF PLANNING BOARD)". THE LOCATION AND DESIGN OF THE SIGNS SHALL BE AS STIPULATED BY THE PUBLIC WORKS DEPARTMENT, BUT IN NO CASE SHALL THEY BE LESS THAN 2" X 4" AND THEY SHALL BE ERECTED PRIOR TO ISSUANCE OF ANY BUILDING PERMITS.

CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE CITY OF ROCHESTER, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF NEW HAMPSHIRE, EPPARTMENT OF TRANSPORTATION, APPROVED AND ADOPTED ZOIG ARE HEREBY INCORPORATED BY REFERENCE.

2. ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS FOR ROAD CONSTRUCTION, PUBLIC WORKS DEPARTMENT, RICHESTER, NEW HAMPSHIRE.

AND SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS FOR ROAD CONSTRUCTION, PUBLIC WORKS DEPARTMENT, ROCHESTER, NEW HAMPSHIRE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UNITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOLIND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTION TO THE ACT AT LEAST 72 HOURS BEFORE DIGGING.

ALL DRAINAGE PIPE SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTALLATION INSTRUCTIONS. TOP SOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPIED, AND REDISTRIBUTED OVER GRADED AREAS. PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPIED DURING CONSTRUCTION.

TILL SOIL TO A DEPTH OF 4" MINIMUM AND REMOVE ALL ROCKS LARGER THAN 1" MEASURED IN LARGEST DIRECTION. GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING,
ALL GRADED AREAS TO RECEIVE SEED OR SOID, TOP SOIL, STRAW, AND WATER UNTIL A HEALTHY STAND OF GRADS IS OBTAINED.

OBTAINED.
SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC GRADING AND DRAWINGE REQUIREMENTS AT THE BUILDING, WALKWAYS, AND ENTRANCES. INSTALL STEPS, LANDINGS, RAILINGS, AND OTHER FEATURES PER APPLICABLE CODES.

10. ALL CATCH BASINS SHALL HAVE A 4"-0" SUMP.
11. ALL WORKMANSHIP AND MATERIALS INCORPORATED INTO THE CONSTRUCTION OF THE WATER LINES SHALL CONFORM TO

11. ALL WORKMANSHIP AND MATERIALS INCOMPORATED INTO THE CONSTRUCTION OF THE WATER LINES SHALL CONFORM TO ALL THE LOCAL PRECINCT'S STANDARDS, SPECIFICATIONS, RULES, AND REQULATIONS.

12. ALL WORKMANSHIP AND MATERIALS INCOMPORATED INTO THE CONSTRUCTION OF THE ELECTRIC AND TELEPHONE LINES SHALL CONFORM WITH THE STANDARDS OF THE LOCAL PROVIDER.

13. ALL UTILITY CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CITY OF ROCHESTER STANDARDS OF INFRASTRUCTURE DESIGN SECTION I — POTABLE WATER DESIGN STANDARDS AND SECTION II — SANITARY SEWER DESIGN STANDARDS.

14. ONLY CONTRACTORS THAT HAVE BEEN GRANTED A WATER SEWER LICENSE SHALL BE PERMITTED TO INSTILL ANY APPURTENANCE OR WATER/SEWER CONNECTION IN THE FILMORE BOULEVARD RIGHT-OF-WAY.

15. PER RSR 6.4.3, FOLLOWING CONSTRUCTION, A PLAN SHALL BE SUBMITTED TO THE BOARD AND CITY ENGINEER BY THE ENGINEER OR LAND SURVEYOR INDICATING THEREON THE INVERT GRADES OF ALL STORM DRAINAGE AT ALL CATCH BASINS AND MANHOLES. THE ENGINEER SHALL DESTRIPT THAT THE GRADES SHOWN IN THE PLAN REPRESENT THE GRADES SO CONSTRUCTED.

16. PER RSR 6.6.3, ALL UTILITIES WITHIN THE LIMITS OF FILLMORE BOULEVARD SHALL BE INSPECTED BY A REPRESENTATIVE OF THE CITY PRIOR TO BACGFILLING OF TRENCHES OR OTHER COVERING OF THE SERVICES.

SEE SHEETS 8 & 9 FOR ROADWAY PROFILES

LOAM & SEED ALL DISTURBED AREAS (TYP.)

SEE GRADING, DRAINAGE AND EROSION CONTROL PLANS FOR DETAILED POND INFORMATION



GRAPHIC SCALE

ROADWAY PLAN HIGHFIELD COMMONS PHASE 1B

1 inch = 30 ft.

MAP 237 LOT 3 FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE STRAFFORD COUNTY

OWNER OF RECORD:

SDJ DEVELOPMENT OF ROCHESTER, LLC. c/o CHESAPEAKE DEVELOPMENT, LLC 746 D.W. HIGHWAY, UNIT B MERRIMACK, NH 03054-2700 S.C.R.D. BK. 3927 PG. 453

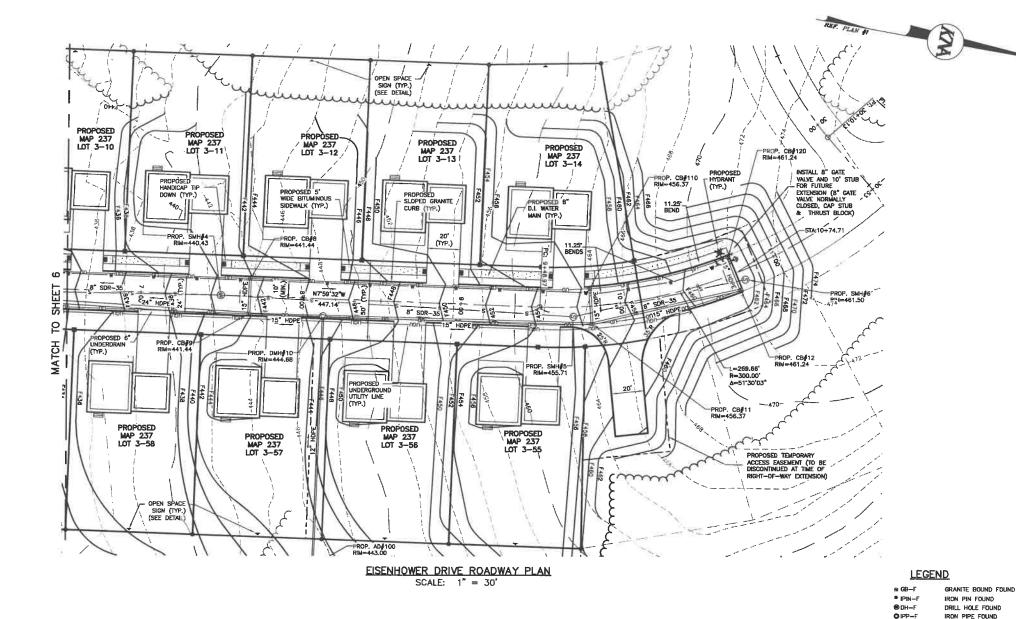
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KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suits 3E, Bedford, NE 03110 Phone (603) 627-2861

		REVISION	S	
No.	DATE	DESC	RIPTION	BY
1	7/5/18	REV. PER C	TTY COMMENTS	TTM
2	7/23/18	REV. PER C	TY COMMENTS	MAC
DATE	: MAY 29,	2018	SCALE: 1" = 30'	
PROJ	ECT NO: 1	704173	SHEET 6 OF 19	



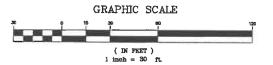
SEE SHEET 6 FOR CONSTRUCTION NOTES

SEE SHEETS 8 & 9 FOR ROADWAY PROFILES

LOAM & SEED ALL DISTURBED AREAS (TYP.)

SEE GRADING, DRAINAGE AND EROSION CONTROL PLANS FOR DETAILED POND INFORMATION





ROADWAY PLAN HIGHFIELD COMMONS PHASE 1B

MAP 237 LOT 3 FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE STRAFFORD COUNTY

OWNER OF RECORD:

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(\$)

■ GB-TBS

UTILITY POLE

WATER VALVE

ROUND CATCH BASIN

IRON PIN TO BE SET

ABUTTER LINE PROPERTY LINE

CHAIN LINK FENCE

UNDERDRAIN LINE

EDGE OF PAVEMENT VERTICAL GRANITE CURB

PROPOSED PROPERTY LINE FUTURE PROPERTY LINE PROPOSED UNDERGROUND UTILITIES PROPOSED WATER LINE PROPOSED SEWER LINE PROPOSED UNDERDRAIN PROPOSED DRAINAGE LINE

PROPOSED EDGE OF PAVEMENT PROPOSED SLOPED GRANITE CURB

----- WETLAND

SEWER LINE

TREELINE

====== DRAINAGE LINE

----- EDGE OF GRAVEL ----- 10' CONTOUR

BUILDING SETBACK ---- EASEMENT

. PROPOSED TREELINE

----- 2' CONTOUR COCCCCCCCCC STONEWALL

OHU OVERHEAD UTILITIES

GRANITE BOUND TO BE SET

HYDRANT

SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054–2700
S.C.R.D. BK. 3927 PG. 453

APPLICANT:

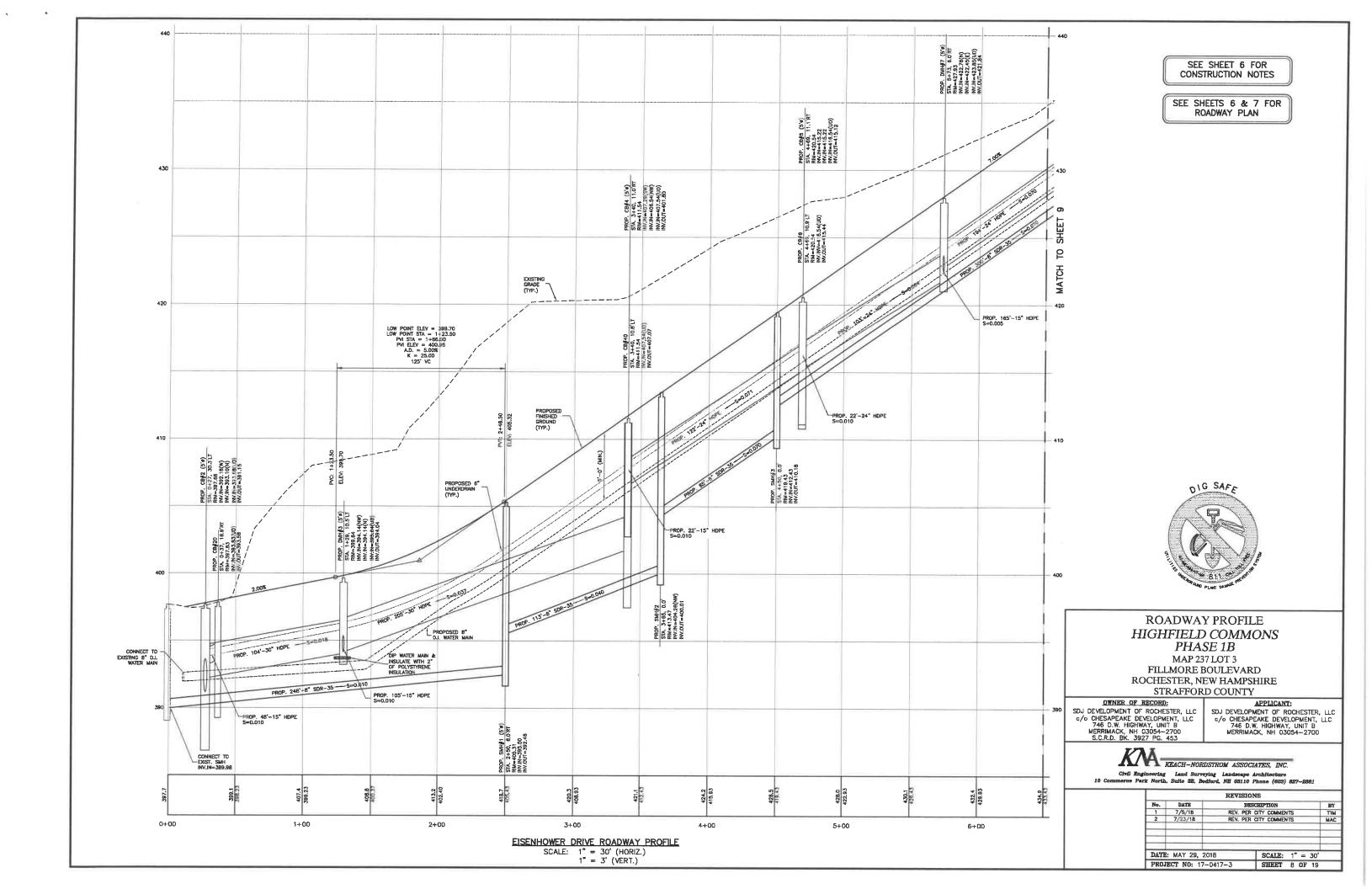
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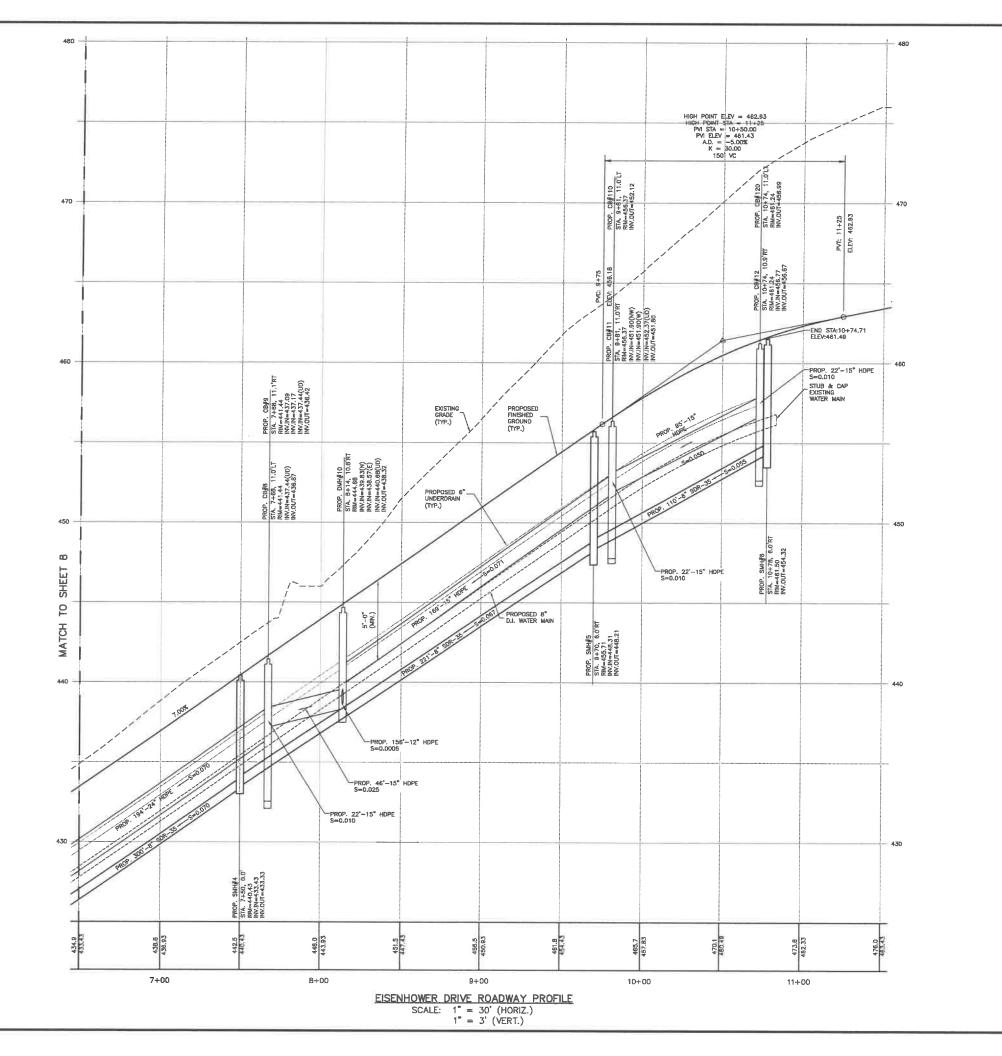


KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite SB, Bedford, NH 03110 Phone (803) 627-2881

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	No.	DATE	DESCRIPTION	BY
- 1	1	7/5/18	REV. PER CITY COMMENTS	TTM
	2	7/23/18	REV. PER CITY COMMENTS	MAC
	-			
	DATE	: MAY 29,	2018 SCALE: 1" = 30'	
	PROJ	ECT NO: 1	7-0417-3 SHEET 7 OF 19	





SEE SHEET 6 FOR CONSTRUCTION NOTES

SEE SHEETS 6 & 7 FOR ROADWAY PLAN



ROADWAY PROFILE HIGHFIELD COMMONS PHASE 1B

MAP 237 LOT 3 FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE STRAFFORD COUNTY

OWNER OF RECORD:

SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054–2700
S.C.R.D. BK. 3927 PG. 453

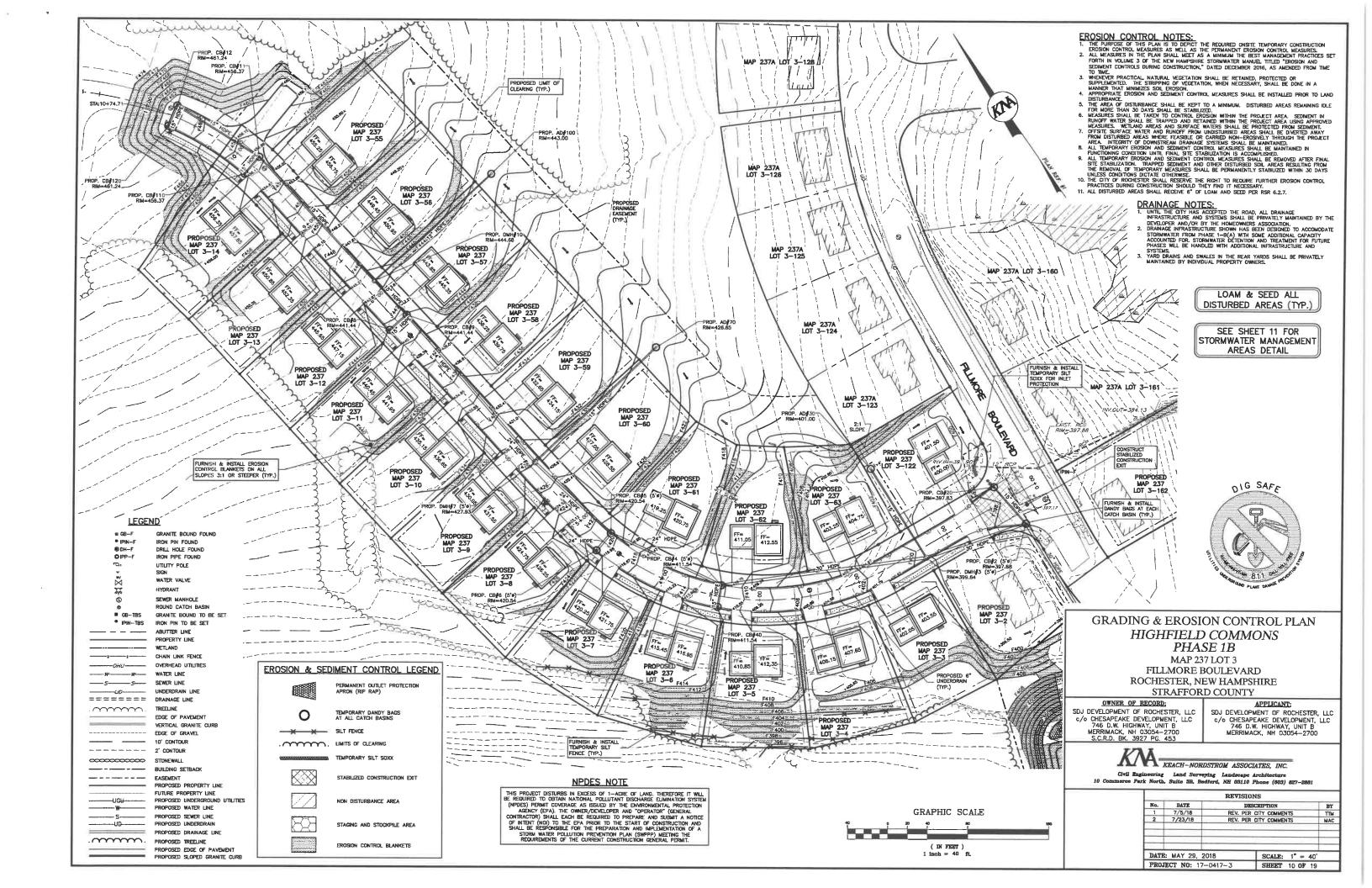
APPLICANT:
SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054-2700

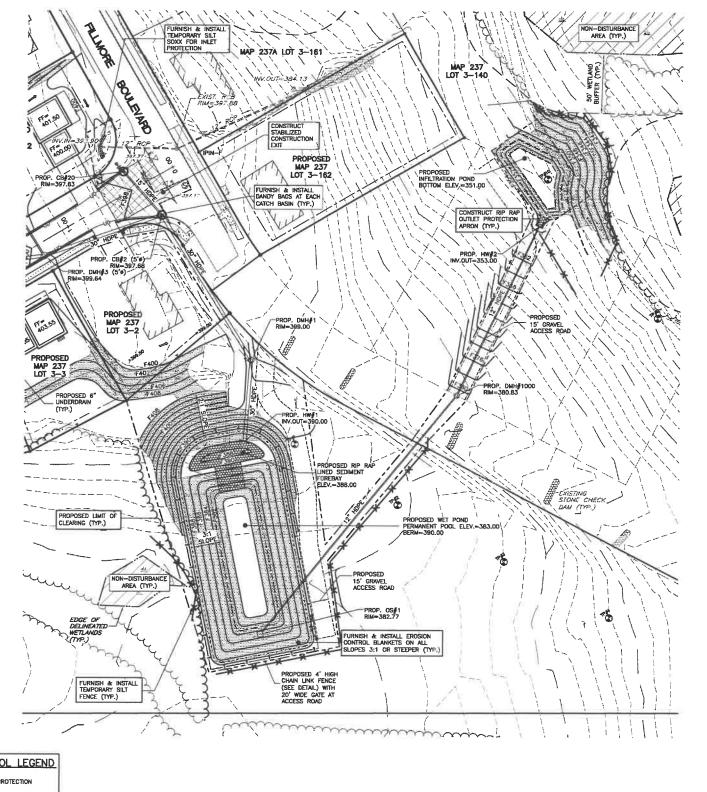


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Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite SB, Bedfard, NE 03110 Phone (603) 627-2861

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No.	DATE	DES	CRIPTION	BY
1	7/5/18	REV. PER	CITY COMMENTS	TTM
2	7/23/18	REV. PER	CITY COMMENTS	MAC
DATE	: MAY 29,	201B	SCALE: 1" = 30"	
PROJ	ECT NO: 1	7-0417-3	SHEET 9 OF 19	





SEE SHEET 10 FOR EROSION CONTROL NOTES

SEE SHEET 10 FOR DRAINAGE NOTES

LOAM & SEED ALL DISTURBED AREAS (TYP.)

STORMWATER MANAGEMENT AREA PLAN

HIGHFIELD COMMONS PHASE 1B

MAP 237 LOT 3
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

OWNER OF RECORD:
SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054-2700
S.C.R.D. BK. 3927 PG. 453

APPLICANT:
SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NN 03054-2700

DIG SAFE

KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture

10 Commerce Park North, Suite 3E, Bedford, NE 03110 Phone (603) 627-2881

	REVISIONS						
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	1	7/5/18	REV. PER	CITY COMMENTS	TTM		
F	2	7/23/18	REV. PER	CITY COMMENTS	MAC		
E							
E	DATE	: MAY 29,	2018	SCALE: 1" = 40'			
Г	PROJ	ECT NO: 1	7-0417-3	SHEET 11 OF 19			

EROSION & SEDIMENT CONTROL LEGEND



LEGEND

GRANITE BOUND FOUND

IRON PIN FOUND

IRON PIPE FOUND

IRON PIN TO BE SET ABUTTER LINE

OVERHEAD UTILITIES

UNDERDRAIN LINE

EDGE OF PAVEMENT VERTICAL GRANITE CURB

EDGE OF GRAVEL 10' CONTOUR

PROPOSED PROPERTY LINE

FUTURE PROPERTY LINE PROPOSED UNDERGROUND UTILITIES

PROPOSED WATER LINE

PROPOSED SEWER LINE PROPOSED UNDERDRAIN

PROPOSED DRAINAGE LINE

PROPOSED EDGE OF PAVEMENT

PROPOSED SLOPED GRANITE CURB

EASEMENT

PROPERTY LINE

WETLAND CHAIN LINK FENCE

UTILITY POLE
SIGN
WATER VALVE
HYDRANT
SEWER MANHOLE
ROUND CATCH BASIN
GRANITE BOUND TO BE SET

e GB-F

· IPIN-F

O IPP-F

· IPIN-TBS

====== DRAINAGE LINE

TREELINE

STONEWALL
BUILDING SETBACK

. PROPOSED TREELINE

ERMANENT OUTLET PROTECTION

0

TEMPORARY DANDY BAGS



SILT FENCE



STABILIZED CONSTRUCTION EXIT



NON DISTURBANCE AREA

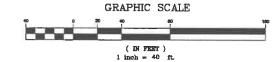


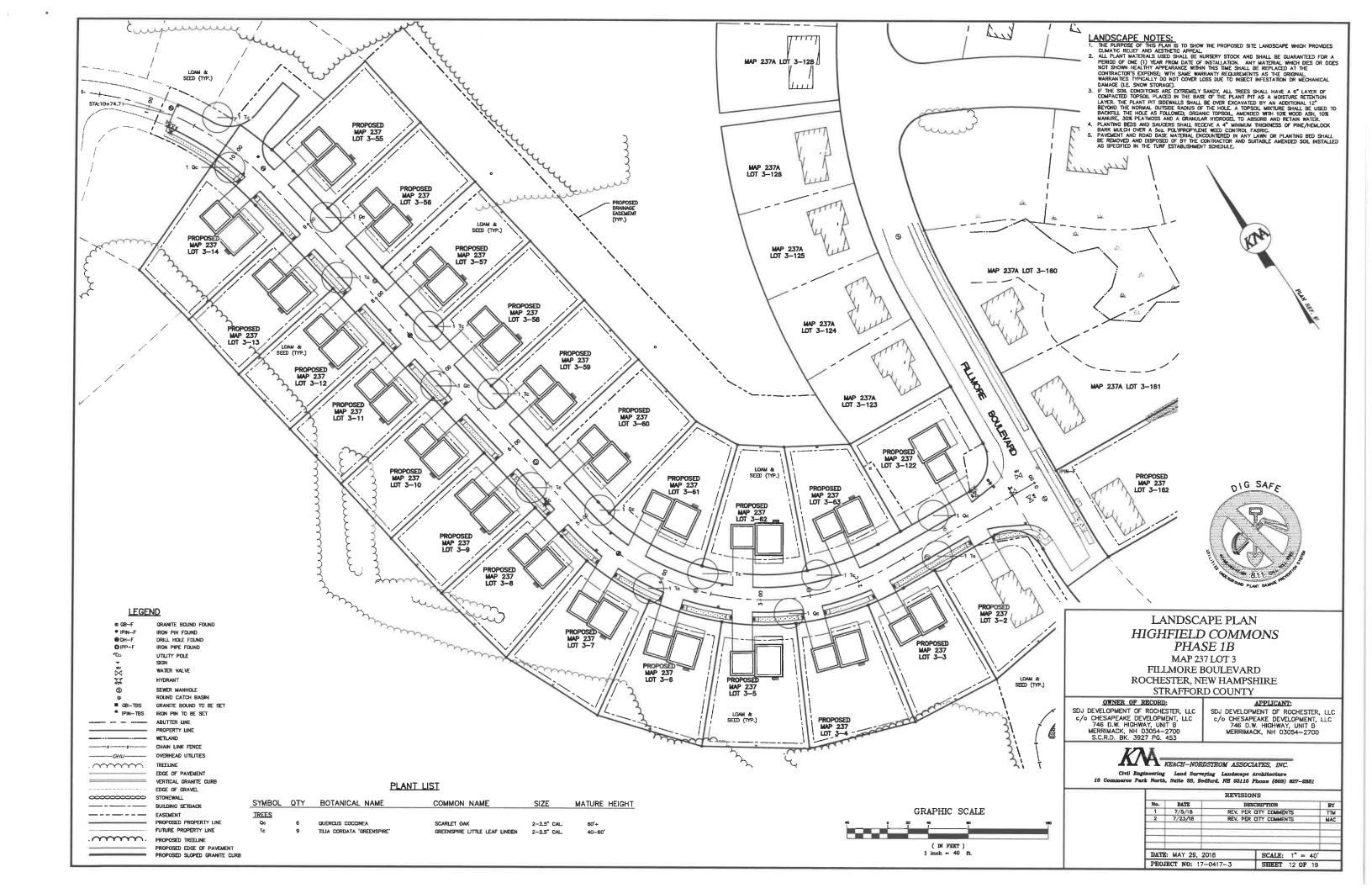


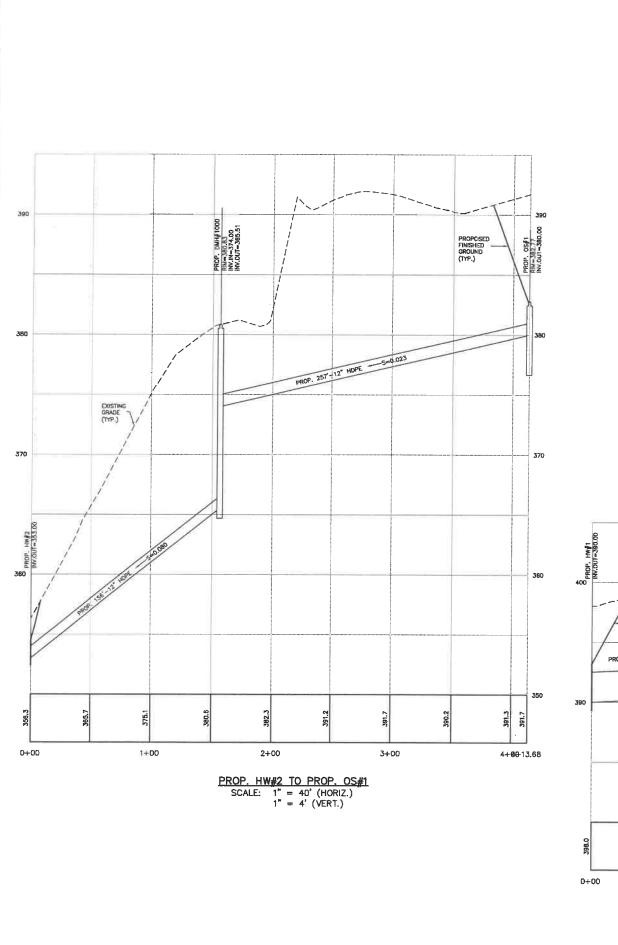


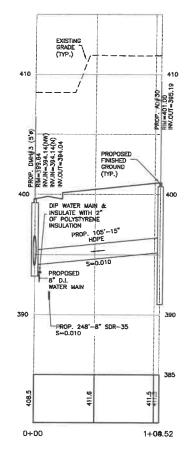
NPDES NOTE

THIS PROJECT DISTURBS IN EXCESS OF 1—ACRE OF LAND, THEREFORE IT WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (GENERAL CONTRACTOR) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NO) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PAPEN PREPARATION FLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.





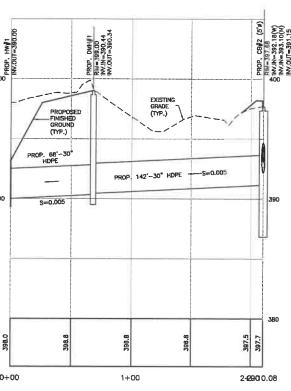




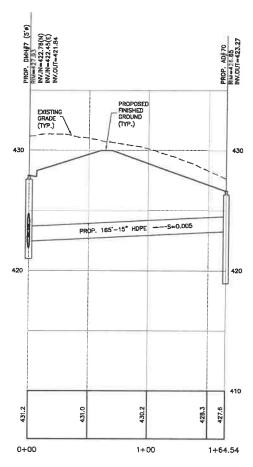
PROP. DMH#3 TO PROP. AD#30

SCALE: 1" = 40" (HORIZ.)

1" = 4" (VERT.)



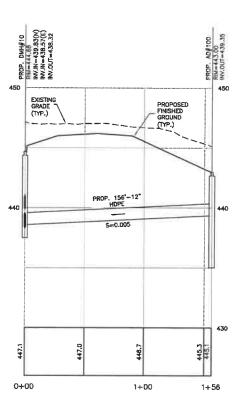
PROP. HW#1 TO PROP. CB#2 SCALE: 1" = 40' (HORIZ.) 1'' = 4' (VERT.)



PROP. DMH#7 TO PROP. AD#70

SCALE: 1" = 40' (HORIZ.)

1" = 4' (VERT.)



PROP. DMH#10 TO PROP. AD#100 SCALE: 1" = 40' (HORIZ.) 1" = 4' (VERT.)

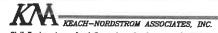


DRAINAGE PROFILES HIGHFIELD COMMONS PHASE 1B

MAP 237 LOT 3 FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE STRAFFORD COUNTY

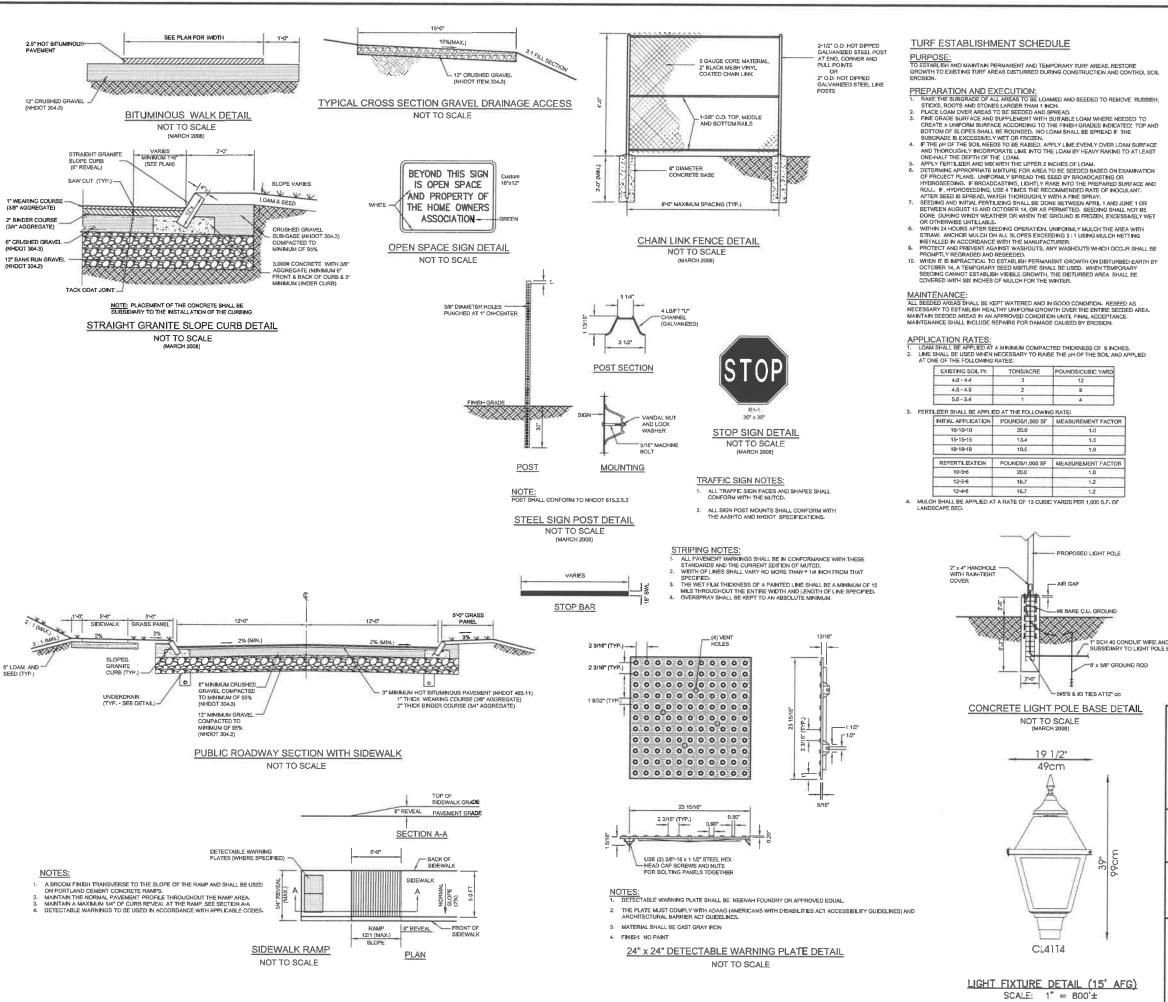
OWNER OF RECORD:
SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054-2700
S.C.R.D. BK. 3927 PG. 453

SDJ DEVELOPMENT OF ROCHESTER, LLC c/o CHESAPEAKE DEVELOPMENT, LLC 746 D.W. HIGHWAY, UNIT B MERRIMACK, NH 03054-2700



Civil Engineering Land Surveying Landscape Architectu 10 Commerce Park North, Suite SB, Bedford, NB 03118 Phone 480

		REVISION	rs	
No.	DATE	DESC	RIPTION	BY
1	7/5/18	REV. PER (CITY COMMENTS	TIM
2	7/23/18	REV. PER (CITY COMMENTS	MAC
DATE	: MAY 29,	2018	SCALE: AS SHOW	N.
PROJ	ECT NO: 1	7-0417-3	SHEET 13 OF 19	



TURF ESTABLISHMENT SCHEDULE

PURPOSE:
TO ESTABLER AND MAINTAIN PERMANENT AND TEMPORARY TURF AREAS, RESTORE
GROWTH TO EXETING TURF AREAS DISTURBED DURING CONSTRUCTION AND CONTROL SOIL.

- DONE DURNO WINDY WEATHER OR WHEN THE GROUND IS FROZEN, EXCESSMELY WET OR OTHERWISE UNTILLABLE.

 8. WITHIN 24 HOURS AFTER SEEDING OPERATION, UNIFORMLY MULCH THE AREA WITH STRAW. ANCHOR MULCH ON ALL SLOPES EXCEEDING 3:1 USING MULCH NETTING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER.

 9. PROTECT AND PREVENT AGAINST WASHOUTS, MAY WASHOUTS WHICH OCCUR SHALL BE PROMPTLY REGRADED AND RESEEDED.

 10. WHEN IT IS AMPRACTICAL TO ESTABLISH PERMANIENT GROWTH ON DISTURBED EARTH BY OCTOBER 14, A TEMPORARY SEED MIXTURE SHALL BE UISED. WHEN TEMPORARY SEEDING CANNOT ESTABLISH VISIBLE GROWITH, THE DISTURBED AREA SHALL BE COVERED WITH SIX NICHES OF MULCH FOR THE WINTER.

MAINTENANCE:
ALL SEEDED AREAS SHALL BE KEPT WATERED AND IN GOOD CONDITION. RESEED AS NECESSARY TO ESTABLISH HEALTHY UNFORM GROWTH OVER THE ENTIRE SEEDED AREA. MANTAN SEEDED AREAS IN AN APPROVED CONDITION UNTIL FINAL ACCEPTANCE. MATERIANCE SHALL INCLUDE REPARS FOR DIMAGE CAUSED BY EROSING.

APPLICATION RATES:

1. LOAN SHALL BE APPLIED AT A MINIMUM COMPACTED THICKNESS OF 6 INCHES.

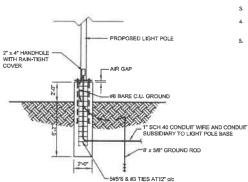
2. LIME SHALL BE USED WHEN INCCESSARY TO RAISE THE PH OF THE SOL AND APPLIED AT OME OF THE FOLLOWING RATES:

EXISTING SOIL Ph	TONS/ACRE	POUNDS/CUBIC YARD
4.0 - 4.4	3	12
4.5 - 4.9	2	8
5.0 - 5.4	1	4

2 FEDTS FED SHALL BE ADDLED AT THE FOLLOWING B

INITIAL APPLICATION	POUNDS/1,000 SF	MEASUREMENT FACTOR
10-10-10	20.0	1.0
15-15-15	13.4	1.5
19-19-19	10.5	1.9
REFERTILIZATION	POUNDS/1,000 SF	MEASUREMENT FACTOR
10-3-6	20.0	1.0
1000	2010	110
12-2-6	16.7	1.2

4. MULCH SHALL BE APPLIED AT A RATE OF 13 CUBIC YARDS PER 1,000 S.F. OF



CONCRETE LIGHT POLE BASE DETAIL NOT TO SCALE



LIGHT FIXTURE DETAIL (15' AFG) SCALE: 1" = 800'±

CONSTRUCTION DETAILS HIGHFIELD COMMONS PHASE 1B

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APPLICANT: SDJ DEVELOPMENT OF ROCHESTER, ILC c/o CHESAPEAKE DEVELOPMENT, ILC 746 D.W. HIGHWAY, UNIT B MERRIMACK, NH 03054-2700

KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture numeroe Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

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6. SEED N

MATERIALS:

1. LOAN SHALL CONSIST OF LOOSE, FRINBLE TOPSOL WITH NO ADMOTURE OF REPUSE OR MATERIAL TOXE. TO PLANT GROWTH. LOAM SHALL BE FREE OF VIABLE PARTS OF PROHBITED INVASIVE PLANTS AND BE GENERALLY FREE OF STONES, LUMPS, STUMPS AND SMLAR OBJECTS LARGER THAN 2 NOHES ON GREATEST DIAMETER, SUBSOL, ROOTS AND WEEDS. THE MINIMUM AND MAXIMUM PH VALUE SHALL BE FROM 5-5 TO 7-6.

LIME SHALL BE A CALCUL OF DOLOMITIC GROUND AGROULTURAL, LIMESTONE CONTRAINING NOT LESS THAN 95% OF EITHER CALCULW OR MAGNESUM CARDONATE, OR BOTH. IT SHALL CONFORM TO THE STANDARDS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS AND SHALL COMPLY WITH ALL STATE AND FEDERAL RULES AND REGULATIONS.

- ALL STATE AND FEDERAL RULES AND REQULATIONS.
 FERTILEER SHALL BE STANDARD COMMERCIL, GRADE FERTILEER CONFORMING TO ALL STATE AND
 FEDERAL RULES AND REGULATIONS AND TO THE STANDARDS OF THE ASSOCIATION OF OFFICIAL
 AGRICULTURAL CHEMISTS. EXCEPT AS PERMITTED, THE ANALYSIS RATIO SHALL BE INTERFOR INTIL
 APPLICATION AND 31:2 FOR REFERTILEATION APPLICATION.
 GRASS SEED SHALL MEET THE REQUIREMENTS OF THE NEW HAMPSHIRE AGRICULTURAL AND
 VECET ABLE SEED LAWS AND SHALL NICLIDE NO PRIMARY MOXEDIS WEED SEEDS.
 SEED INSTRUME FOR LAWN ARRAS SHALL CONSIST OF THE FOLLOWING:

KIND OF SEED	MINIMUM PURITY (%)	MINIMUM GERMANATION (%)	POUNDS/ACRE (TOTAL 120 POUNDS)
CREEPING RED FESCUE	96	85	40
PERENNIAL RYEGRASS	98	90	50
KENTUCKY BLUEGRASS	97	85	25
REDTOP	95	80	5

REDTOP	95	80	5
IXTURE FOR SLOPE AREA	S SHALL CONSIST OF TH	IE FOLLOWING:	
KIND OF SEED	MINIMUM PURITY (%)	MINIMUM GERMANATION (%)	POUNDS/ACRE (TOTAL 95 POUNDS)
CREEPING RED FESCUE	96	85	35
PERENNIAL RYEGRASS	98	90	3C
REDTOP	95	80	5
41 00 dt 01 01 mg			

- ALSIKE CLOVER ANCEL EAVED COREO OXEYE DAISY BLACKEYED SUSAN WILD LUPINE
- TEMPORARY SEEDING MIXTURE SHALL BE APPLIED AT A RATE OF 2 POUNDS PER 1,000 SF AND SHALL 15% BLACKWELL OR SHELTER SWITCHGRASS
 30% NAGRA CROSS OF THE FOLION
 15% BLACKWELL OR SHELTER SWITCHGRASS
 30% NAGRA OR KAW BIS BLUESTEM
 30% CAMPER OR BLAZE LITILESTEM
 15% BLS-27 OR BLAZE SAND LOVEGRASS

- 15% NE-27 OR BLAZE SAND LOVEGRASS
 10%, WKNO BROSPOOT TREFOL MUST BE USED WITH THIS MOTURE. IF SEEDING
 BY HAND, A STEKNING AGENT SHALL BE USED. IF SEEDING WITH A HYDROSEEDER, USE FOUR
 TIMES THE RECOMMENDED AMOUNT OF NOCULUM.
 SEED MIXTURE FOR STORMWATER MANAGEMENT AREAS, INCLUDING DETENTION BASINS AND
 VEGETATED TREATMENT SWALES, SHALL BE APPLIED AT A RATE OF 70 POUNDS PER ACRE OR 1.6
 POUNDS PER 1,000 SF, AND SHALL CONSIST OF THE FOLLOWING:
 25% CREEPING RED FESCUE
 10% SWITCH GRADS
 10% SWITCH GRADS
 10% FOXED BETTGRASS
- 15% CREEPING BENTGRASS
 10% FLATPEA
 20% WILDH,OWER VARIETY
 9. STRAW USED FOR MULCH SHALL CONSIST OF MOWED AND PROPERLY CURED GRASS OR LEGUME
 MOWINGS, FREE FROM WEEDS, TWIGS, DEBRIS, INVASINE SPECES OR OTHER DELETERIOUS
 MATERIAL, AND ROT OR MOLD.

- MATERIAL AND INTO YOU WAS MACE.

 SOD SPECIFICATIONS:

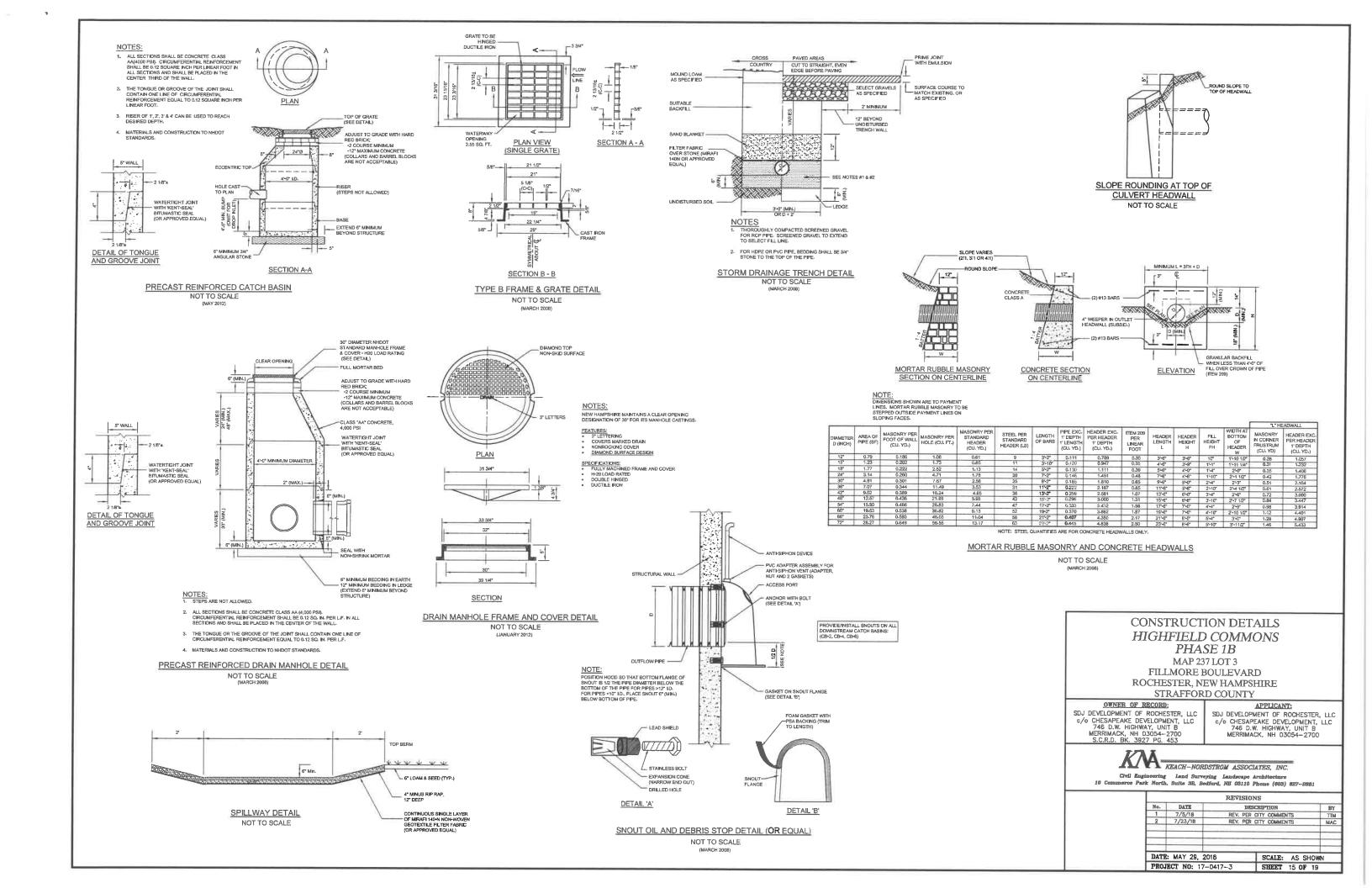
 1. SOD SHALL BE PROVIDED WITH A STRONG ROOT SYSTEM, NOT LESS THAN TWO YEARS OLD AND SHALL BE PRECOPE ANY UNDESPRABLE NATIVE GRASSES OR WEEDS.

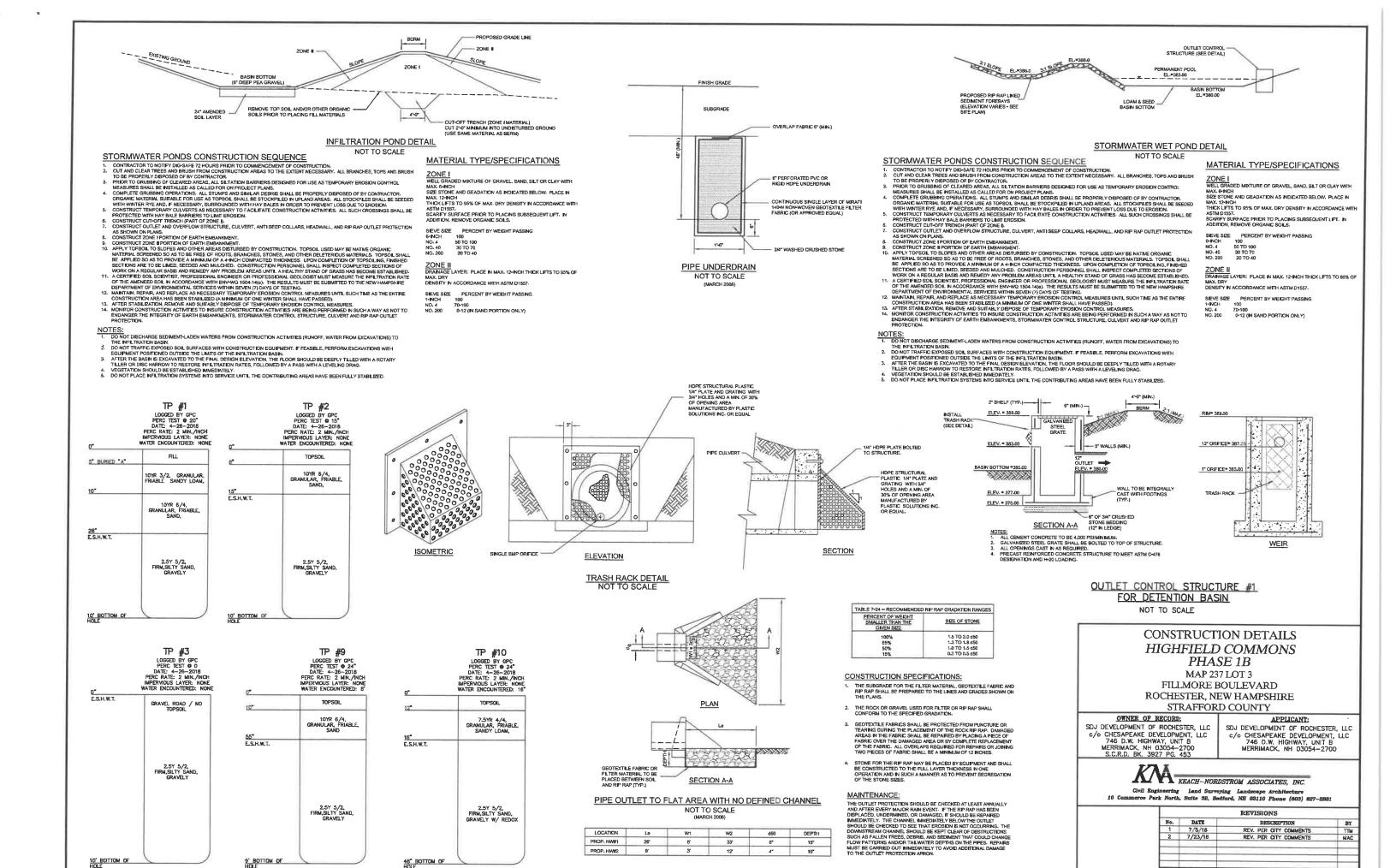
 2. SOD SHALL BE MACHINE CUT TO A THICKNESS NOT LESS THAN 3M', EXCLUDING THATCH, AND SHALL BE CAPABLE OF VISOROUS GROWTH WHEN PLANTED.

 3. SOD PADS SHALL BE OF UNFORM SIZE AND COMPOSED OF AT LEAST TWO LOCAL GRASS VARIETY.

- VARIETIES.

 4. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS, DO NOT OVERLAP. STAGGER STRPS TO OFFSET JOINTS IN ADJACENT COURSES. TAMP SOD TO ENSURE CONTACT WITH
- WITH SOIL.
 5. WATER WITHIN ONE HOUR OF PLANTING WITH A FINE SPRAY,



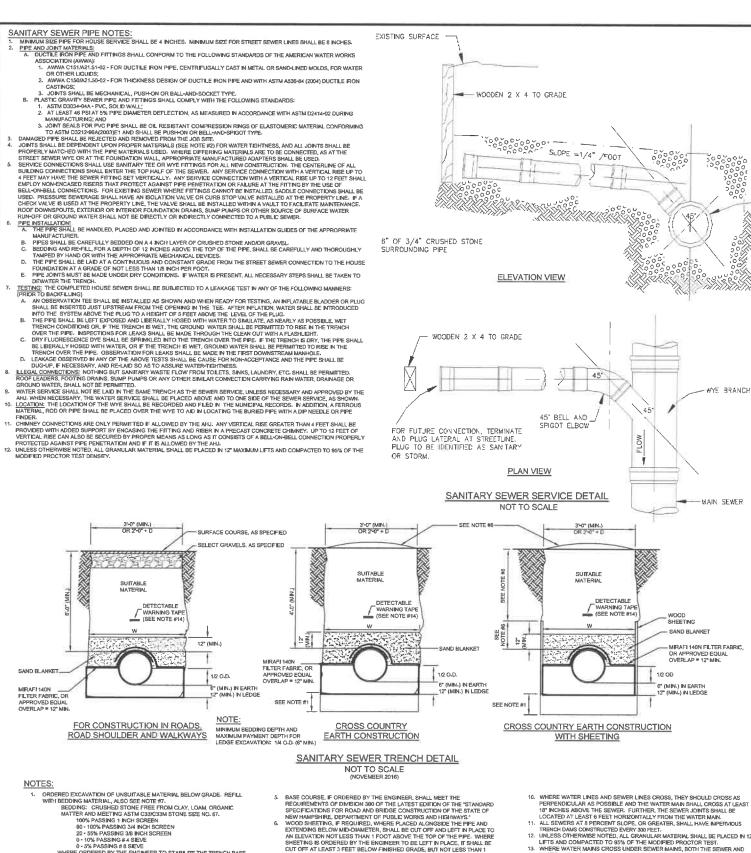


DATE: MAY 29, 2018

PROJECT NO: 17-0417-3

SCALE: AS SHOWN

SHEET 16 OF 19



0 - 5% PASSING # 8 SEVZE
WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE,
GRADED CRUSHED STONE 1/E NICH TO 1-1/E NICHES SHALL BE USED.
SAND BLANKET: GRADED CLEAN SAND FREE FROM ORGANIC MATTER, SO
THAT 100% PASSES A 1/E NICH SIEVE AND NOT MORE THAN 15% WILL PASS.
4 1/20 SEVE. BLANKET MAY BE OMITTED FOR CAST FRON, DUCTUE ROON AND
REINFORCED CONCRETE PIPE PROVIDED, HOWEVER, THAT NO STONE
LARGER THAY I NICHES IS N CONTACT WITH THE PIPE.
MRAF1140 N FEITER FABRIC, OR APPROVED EQUIAL. SHALL BE INSTALLED
ABOVE PIPE.

ABOVE PPE.

SUITABLE MATERIAL: IN ROADS, ROAD SHOULDERS, WALKWAYS AND
TRAWELED WAYS SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE
NATURAL MATERIAL EXCANATED DURING THE COURSE OF CONSTRUCTION,
BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP
SOL, ALL WET OR SOFT MUKK, PEAT OR CLAY, ALL EXCANATED LEDGE
MATERIAL AND ALL ROCKS OVER 6 NICHES IN LARGEST DIMENSION, OR ANY
MATERIAL WHICH, AS DETERNINED BY THE BROINEER, WAL NOT PROVIDE
SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A
STARE CONDITION. STABLE CONDITION.

STABLE CONDITION.

N CROSS COUNTRY CONSTRUCTION, SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOL, LOAM, MUCK OR PEAT IF HEARTH IS ASTREED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT BASY ACCESS TO THE SEWER WILL BE PRESERVED FOR MAINTENANCE AND POSSIBLY RECONSTRUCTION, WHEN INFOCESSARY.

- BASE COURSE, IF ONDERED BY THE ENGINEER, SHALL MEET THE "STANDARD PECULIFIENTS OF DIMISION 300 OF THE LATEST EDITION OF THE "STANDARD SPECFECATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF NEW HAMPSHEE, DEPARTMENT OF PUBLIC WORKS AND HISHWAYS." WOOD SHEETING, IF REQUIRED, WHERE PLACED ALONGSIDE THE PIPE AND EXTENDING BELOW MIDDIAMETER, SHALL BE CUT OFF AND LIET IN PLACE TO AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE. WHERE
- AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE. WHERE SHEETING SORDERED BY THE ENGINEER TO BE LEFT IN FLACE, IT SHALL BE CUT OFF AT LEAST 3 FEET BELOW FINISHED GRADE, BUT NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE.

 W ** MAXEMUM ALLOWABLE TRENCH WIDHT TO A PLANE 12 NCHES ABOVE THE PIPE. FOR PIPES 15 NCHES NOWINAL DIAMETER OR LESS, W SHALL BE NO MORE THAN 35 NCHES. FOR PIPES GREATER THAN 15 NCHES NOWINAL DIAMETER, WHICH SHALL BE OB THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE.
- BELOW GRADE: FOR CROSS COUNTRY CONSTRUCTION, BACKFILL OR FILL SHALL BE MOUNDED TO A HEIGHT OF 6 INCHES ABOVE THE ORIGINAL GROUND
- MOUNDED TO A HEISHT OF 8 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

 NEW HAMPSHIPE DEPARTMENT OF ENVIRONMENTAL SERVICES DESIGN NEW HAMPSHIPE DEPARTMENT OF ENVIRONMENTAL SERVICES DESIGN STANDARDS REGURE 10 FEET OF SEPARATION BETWEEN WATER AND SEWER. HOWEVER, SHOULD CORP. TRUNKING APPROXIMATEL AND REPOSE AND THE SEWER LAND LESS THAN IN DEET HORIZONED, INJUNED A SPROCRAMENT SERVE.

 INSTALLATION AND WHERE IT IS NOT PRACTICAL TO REJOCATE THE SEWER, A DEVALUTION WAY BE GRANTED PROVIDED THAT THE SEWER IS CONSTRUCTED IN ACCORDANCE WITH THE FORCE MAIN CONSTRUCTION REQUIREMENT.

 A. FORCE MAINS SHALL BE CONSTRUCTED FROM DUCTLE. RON, HIGH DENSITY POLYMETH, OR PLOYER ENAWAY TO MOBILE.

 PIVC SHALL CONFORM TO ASTM D224-105 OR ASTM D1785-05 HDPE SHALL CONFORM TO ASTM D2363-038
 - HDPE SHALL CONFORM TO ASTM D3035-038
 D.I SHALL BE CORROSION PROTECTED IN CORROSIVE ENVIRONMENTS

- PREPENDICULAR AS POSSIBLE AND THE WATER MAN SHALL CROSS AT LEAST 18" MOHES ABOVE THE SEWER. FURTHER, THE SEWER JOHTS SHALL BE LOCATED A TLEAST 6 FEET HORIZONTALLY FROM THE WATER MAN. ALL SEWERS AT 8 PERCENT SLOPE, OR GREATER, SHALL HAVE IMPERVIOUS TRIBING HORIZONTALLY DEVERY 300 FEET SHALL HAVE IMPERVIOUS TRIBING HOURS CONSTRUCTED EVERY 300 FEET.

- THENCH DAMS CONSTRUCTED EVERY 300 FEET.

 1. UNLESS OTHERWISE NOTED, ALL GRANULAR MATERIAL, SHALL BE PLACED IN 12"
 LEFTS AND COMPACTED TO 95% OF THE MODIFIED PROCTOR TEST.

 13. WHERE WATER MAINS CROSS UNDER SEMER AMAIN, SO THAT HE SEMER AMO WATER HAMINS SHALL BE PRESSURE RATED PIPE FER ENVANO 704.05 AND TESTED PER AWAY AGBOODS AT 1.5 TIMES DESIGN PRESSURE OR 100 PSI, WHICHEVER IS GREATER, WITH NO JOINTS WITHIN 9 FEET OF THE CROSSING OINT AND 18" MINIMUM VERTICAL SEPARATION.

- POINT AND 18' MINIMUM VERTICAL SEPARATION.

 14. ALL SEWERS SHALL BE MARKED USING METAL IMPREGNATED MARKING TAPE OR TRACER WIRE PLACED 24 NOMES ABOVE THE TOP OF PIPE THAT CAN BE LOCATED USING METAL DETECTION EQUIPMENT.

 15. GRAVITY PIPE SEWER TESTING:

 A. ALL NEW GRAVITY SEWERS SHALL BE TESTED FOR WATER TICHTNIESS BY THE USE OF LOW-PRESSURE AR TESTS.

 B. LOW-PRESSURE AR TESTING SHALL BE NO CONFORMANCE WITH:

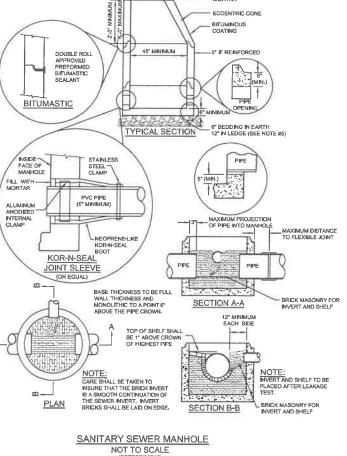
 1. ASTM FH417-92/2005) "STANDARD TEST METHOD FOR NISTALLATON ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AR "OR
 - AIR." OR
 2. UNFBELL PVC PIPE ASSOCIATION UNFB-6, "LOW-PRESSURE AIR TESTING
- 2. UN-BELL PUC PPE ASSOCIATION UN-B-6, "LOW-PRESSURE AR TESTING OF INSTALLED SEWER PPE" (1998).

 C. ALL NEW GRAWITY SEWERS SHALL BE CLEANED AND VISUALLY INSPECTED USING A LAMP TEST AND BY INTRODUCING WATER TO DETERMINE THAT THERE IS NO STANDING WATER IN THE SEWER AND SHALL BE TRUE TO LINE AND GRADE FOLLOWING INSTALLATION AND PRIOR TO USE.

 D. ALL PLASTIC SEWER PIPE SHALL BE DEFLECTION TESTED NOT LESS THAN 30 DAYS NOR MORE THAN 90 DAYS FOLLOWING INSTALLATION.

 E. THE MAXIMUM ALLOWABLE DEFLECTION OF FLEXBLE SEWER PIPE SHALL BE SPERCENT OF AVERAGE INSIDE DIAMETER. A RIGID BALL OR MANDREL WITH A DIAMETER OF AT LEAST 35 PERCENT OF THE AVERAGE INSIDE DIAMETER. A RIGID BALL OR MANDRED DEPLECTION. THE DEFLECTION TEST SHALL BE USED FOR TESTING PIPE DEFLECTION. THE DEFLECTION TEST SHALL BE USED FOR TESTING PIPE DEFLECTION. THE DEFLECTION TEST SHALL BE USED FOR TESTING PIPE DEFLECTION. THE

WYE BRANCH



PLAN NEW HAMPSHIRE MAINTAINS A CLEAR OPENING DESIGNATION OF 30" FOR ITS MANHOLE CASTINGS. FEATURES: 3° LETTERING COVERS MARKED SEWER NONROCKING COVER DIAMOND SURFACE DESIGN SPECIFICATIONS: FULLY MACHINED FRAME AND COVER

SEWER MANHOLE FRAME AND COVER DETAIL NOT TO SCALE

SECTION

NOTES: (NHDES ENV WQ700 - 2015)

- ALL COMPONENT PARTS OF MANHOLE STRUCTURES SHALL HAVE THE STRENGTH, LEAK RESISTANCE AND SPACE NECESSARY FOR THE INTENDED SERVICE.

 MANHOLE STRUCTURES SHALL HAVE A LIFE EXPECTANCY IN EXCESS OF 25 YEARS.

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 MANHOLE STRUCTURES SHALL HAVE A LIFE EXPECTANCY IN EXCESS OF 25 YEARS.

 MANHOLE STRUCTURES SHALL HAVE A LIFE EXPECTANCY IN EXCESS OF ONE GPO PER VERTICAL FOOT OF MANHOLE FOR THE LIFE OF THE STRUCTURE.

 BARRELS, CONCRETE GRADE RINGS AND COME SECTIONS SHALL BE CONSTRUCTED OF PRECAST RENFORCED CONCRETE AND SHALL COMPONENT IN SATUL LATE.

- CONCRETE AND SHALL CONFORM TO ASTM C478.

 5. BEDDING: CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33
 100% PASSING 1 IN CHI SCREEN
 90% PASSING 34 NCH SCREEN
 20-65% PASSING 38 NCH SCREEN

 - 0-10% PASSING #4 SIEVE

- SURFACES:

 B. C. AST INTO THE WALL OR SECURED WITH STANLESS STEEL CLAMPS;
 C. ELASTOMERIC SEAL NOR RING CAST IN THE MANHOLE OPENING WITH SEAL FORMED ON THE SURFACE OF THE PIPE BY COMPRESSION OF THE RING; AND
 D. NON-SHRING ROUTED JOINTS WHERE WAITERTIGHT BONDING TO THE MANHOLE AND PIPE CAN BE OSTANED.

 9. MANHOLE CONE SECTIONS SHALL BE ECCENTRIC IN SHAPE.
 10. ALL PRECAST SECTIONS AND BASES SHALL HAVE THE DATE OF MANUFACTURE AND THE NAME OR TRADEMARK OF THE MANUFACTURER MAPRESSED OR NOBLEILLY MANGEO ON THE INSIDE WALL.

 11. ALL PRECAST SECTIONS AND BASES SHALL BE COATED ON THE EXTERIOR WITH A BITUMINOUS DAMP-PROOFING COATRO.
- 11. ALL PREUNSI DEUTINIS AND BASES STALL BE CONTEU ON THE EATERACH WITH A UNIVERSALE SOUTH THOSE COATING.

 12. MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT CONSTRUCTED TO CONFORM TO THE SEE OF PPE AND FLOW. AT CHANGES IN DIRECTION, THE INVERTS SHALL BE LOD OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PPE CROWN AND SLOPED TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY. INVERTS AND SHELVES SHALL BE IN AGENT AFTER TESTALE.
- UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY. INVERTS AND SHELVES SHALL BE PLACED AFTER TESTING.

 13. MATERIALS OF CONSTRUCTION FOR MANHOLES SHALL BE AS FOLLOWS.

 A. CONCRETE FOR PRECAST BASES OR GRADE RINGS SHALL CONFORM TO THE REQUIREMENTS FOR CLASS AA CONCRETE IN THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATIONS "STANDARD SPECFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."

 B. REINFORCING FOR PRECAST CONCRETE SHALL BE STEEL OR STRUCTURAL FIBERS THAT CONFORM TO THE REQUIREMENTS OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATIONS "STANDARD SPECFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."

 C. PRECAST CONCRETE BARREL SECTIONS, CONES AND BASES SHALL BE CERTIFIED BY THEIR MANUFACTURE(S) AS CONFORM TO ASTM CATS.

 D. THE MANHOLE FRAME AND COVER SHALL REVOIDE A 30-NICH DAMETER CLEAR OPENING.

 E. THE MANHOLE FORMER SHALL HAVE THE WORD "SEWER!" IN 3-NICH LETTERS CAST NTO THE TOP SURFACE.

 - E. THE MANHOUE COVER SHALL HAVE THE WURD SEWER! BY STRUCK LETS UPON THE UNITS.

 F. THE CASTINGS SHALL BE OF EVER-GRANED CAST BRON, SMOOTH AND FREE FROM SCALE, LUMPS,
 BLISTERS, SAND HOLES AND DEFECTS;
 G. CONTACT SUFFACES OF COVERS AND FRAMES SHALL BE MACHINED AT THE FOUNDRY TO PREVENT
 ROCKING OF COVERS IN ANY ORENTATION;
 H. CASTINGS SHALL BE EQUAL TO CLASS 30, BE CERTIFIED BY THEIR MANUFACTURE(S) AS CONFORMING
 TO LETTLE ANALISM.

 - H. CASTINGS SHALL BE EQUAL TO CLASS 30, BE CERTFIED BY THER MANUFACTURE(S) AS CONFOR TO ASTIM ABMBM;

 1. BRICK MASONRY FOR SHELF, INVERT AND GRADE ADJUSTMENT SHALL BE CERTFIED BY THER MANUFACTURE(S) AS CONFORMING TO ASTIM C32, CLAY OR SHALL, FOR GRADE SS HADD BRICK;

 MORTAR SHALL BE COMPOSED OF TYPE II PORTLAND CEMENT AND SAND WITH OR WITHOUT HYDRATED LIME ADDITION;

 K. PROPORTIONS IN MORTAR OF PARTS BY VOLUMES SHALL BE:

 - HTURALIEU IN ADDITION;
 PROPORTIONS IN MORTAR OF PARTS BY VOLUMES SHALL BE:

 1. 4.5 PARTS SAND AND 1.5 PARTS CEMENT; OR
 2. CEMENT SHALL BE TYPE II PORTLAND CEMENT AND 0.5 PARTS HYDRATED LIME;
 2. CEMENT SHALL BE TYPE II PORTLAND CEMENT CONFORMING TO THE ASTIM COSTSOCISION;
 MITORATED LIME SHALL BE TYPE S CONFORMING TO THE ASTIM COST STANDARD SPECFICATIONS FOR HYDRATED LIME FOR MASONITY PURPOSES;
 SAND SHALL CONISTS OF NERT INATURAL SAND CONFORMING TO THE ASTIM COSTSTANDARD SPECFICATIONS FOR CONCRETE, FINE AGGREGATES;
 CONCRETE FOR DORP SUPPORTS SHALL CONFORM TO THE REQUIREMENT FOR CLASS ANA CONCRETE OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATIONS STANDARD SPECFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION;
 SUBJECT TO (G) SELOW, A PLEXBLE PPE JOINT SHALL BE PROVIDED WITHIN THE FOLLOWING DISTANCES ROM ANY MANDLE CONNECTION:

 1. WITHIN 49-MOILES FOR RENPONCED CONCRETE (RC) PIPE; AND
 1. WITHIN 69-MOILES FOR PICE PIPE LARGER THAN 15-MCH DIMMETER;
 NO LEXERLY MO

 - DIAMETER: AND
 WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED
 WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED
 WHEN DAY COME SECTION, PROVIDED THE SLAB HAS AN ECCENTRIC ENTRANCE OPENING AND IS
 CAPABLE OF SUPPORTING H-20 LOADS.
- CAPABLE OF SUPPORTING THE CALL AND ADDRESS AS A VACUUM TEST.

 N. MANHOLES SHALL BE TESTED FOR LEARAGE USING A VACUUM TEST.

 O. THE MANHOLE VACUUM TEST SHALL CONFORM TO THE FOLLOWING:

 1. THE NITIAL VACUUM GAUGE TEST PRESSURE SHALL BE 10 NOHES Hg: AND

 2. THE MINIMUM ACCEPTABLE TEST HOLD TIME FOR A 1-NOH Hig PRESSURE DROP TO 9 INCH Hg SHALL
 - E. NOT LESS THAN 2 MINUTES FOR MANHOLES LESS THAN 10 FEET DEEP IN DEPTH:

 - 6. NOT LESS THAN 2 MINUTES FOR MANHOLES LESS THAN 10 FEET DEEP IN DEPTH;
 b. NOT LESS THAN 2 MINUTES FOR MANHOLES 10 TO 15 FEET DEEP; AND
 c. NOT LESS THAN 3 MINUTES FOR MANHOLES MORE THAN 15 FEET DEEP.
 THE MANHOLE SHALL BE REPARED AND RETESTED IF THE TEST HOLD TIMES FAIL TO ACHIEVE THE ACCEPTANCE LIMITS SPECIFED IN (8) ABOVE.
 FOLLOWING COMPLETION OF THE LEAKAGE TEST, THE FRAME AND COVER SHALL BE PLACED ON THE TOP OF THE MANHOLE OR SOME OTHER MEANS USED TO PREVENT ACCIDENTAL ENTRY BY
 UNAUTHORIZED PERSONS, CHILDREN OR ANIMALS UNTIL THE CONTRACTOR IS READY TO MAKE FINAL ADJUSTMENTS TO GRADE.

CONSTRUCTION DETAILS HIGHFIELD COMMONS PHASE 1B

MAP 237 LOT 3 FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE STRAFFORD COUNTY

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MERRIMACK, NH 03054-2700

S.C.R.D. BK. 3927 PG. 45.

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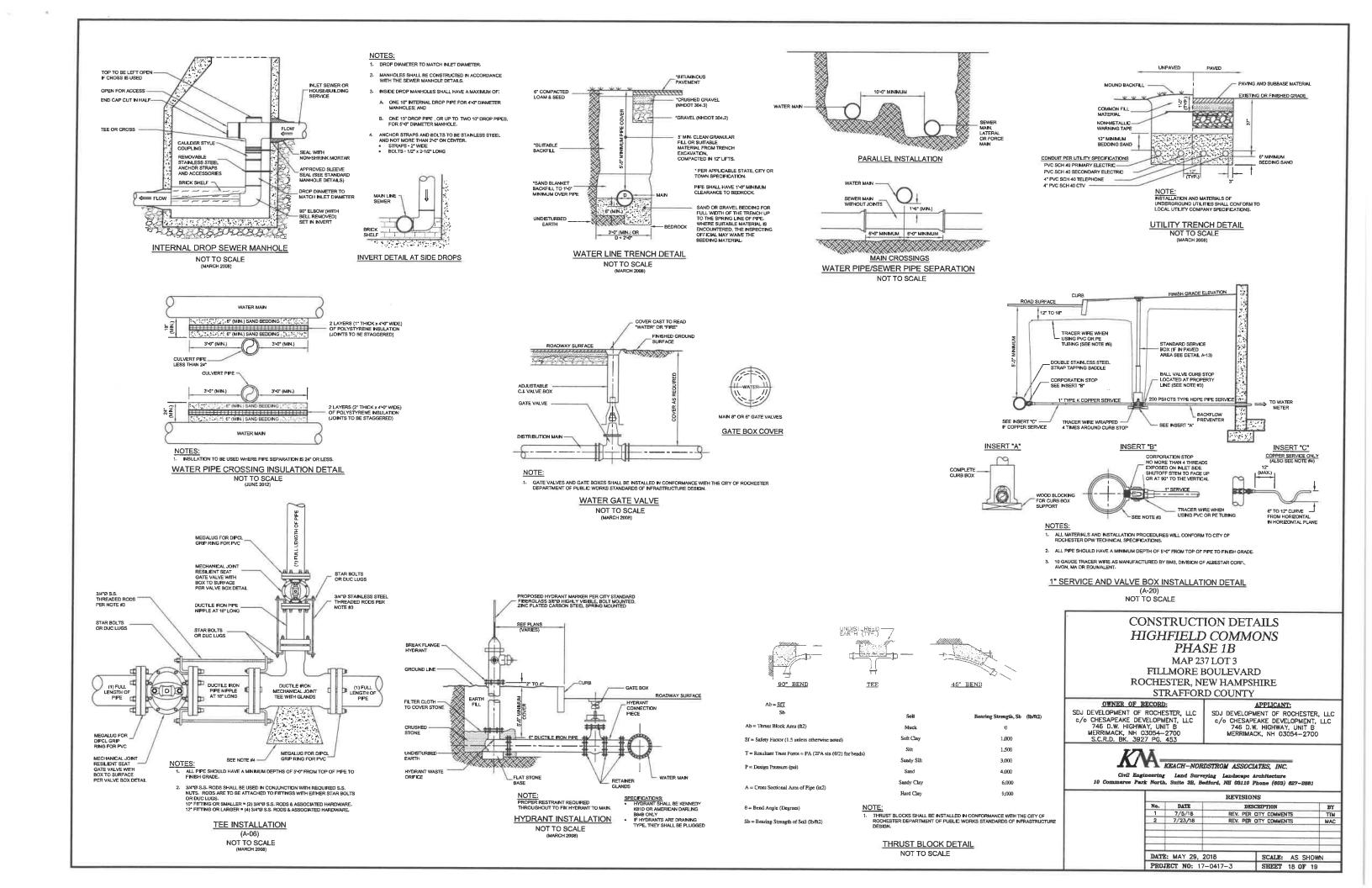
Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite SE, Bedford, NH 03110 Phone (603) 627-2881

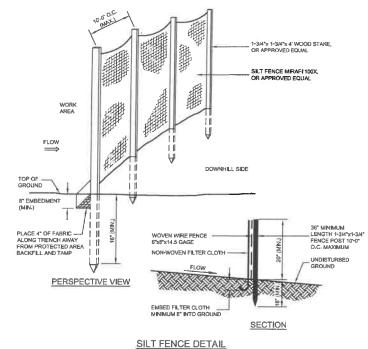
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No.	DATE	DES	CRIPTION	BY
1.	7/5/18	REV. PER	CITY COMMENTS	TTM
2	7/23/18	REV. PER	CITY COMMENTS	MAC
DATE	: MAY 29,	2018	SCALE: AS SHOW	N
PROJ	ECT NO: 1	7-0417-3	SHEET 17 OF 19	

0-5% PASSING #8 SIEVE WHERE ORDERED BY THE ENGINEER TO STABILIZE THE BASE, CRUSHED STONE 1/2 INCH TO 1-1/2 INCH SHALL BE BASE SECTIONS SHALL BE OF MONOLITHIC CONSTRUCTION TO A POINT AT LEAST 6 INCHES ABOVE THE CROWN BASE SECTIONS SHALL BE OF MONOLITHIC CONSTRUCTION TO A POINT AT LEAST 6 NCHES ABOVE THE CROWN OF THE NOOMING PIPE.

HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF AN OVERLAPPING TYPE, SEALED FOR WATER-TIGHTINESS USING A DOUBLE ROW OF AN ELASTOMERIC OR MASTIC-LIKE SEALANT. PIPE TO MANHOLE JOINTS SHALL BE AS FOLLOWS:

A. ELASTOMERIC, RUBBER SLEEVE WITH WATERTIGHT JOINTS AT THE MANHOLE OPENING AND PIPE SURFACES:





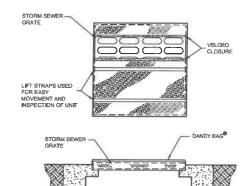
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

- 1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA
- WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIE OR STAPLES WHERE NOTED OR AS DIRECTED BY DESIGN ENGINEER.
- 4. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MIDSECTION AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- 6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND, WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

MAINTENANCE:

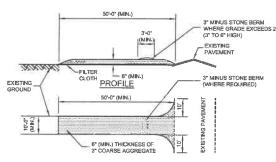
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON A SLT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRER.
- SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FARRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.



HIFLOW DANDY BAG (SAFETY ORANGE)

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1-62 (365) x 0-89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 x 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0,40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
UV RESISTANCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	1/min/m* (pai/min/ft*)	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec+1	2.1

DANDY BAG® NOT TO SCALE



PLAN VIEW

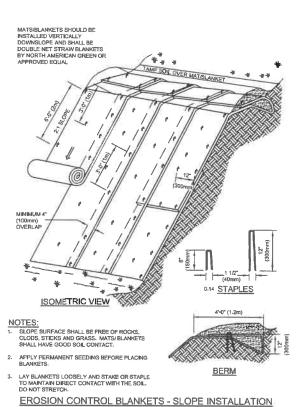
STABILIZED CONSTRUCTION EXIT DETAIL NOT TO SCALE

MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTMENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS COCURS, THE PAD SHOULD BE TOPORESSED WITH MEN CRUSHED STONE OR COMPILETE REPLACEMENT OF THE PAD MAY BE INCESSARY WHEN THE PAD BECOMES COMPILETELY

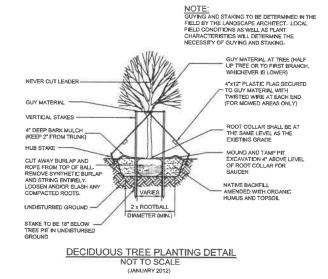
IF WASHING FACILITIES ARE USED, THE SEDMENT TRAPS SHOULD BE CLEANED OUT AS OFTEN AS NECESSARY TO ASSURE THAT ADEQUATE TRAPPING EFFICIENCY AND STORAGE VOLUME IS AVAILABLE. VEGETATIVE FILTER STRPS SHOULD BE MANTANED TO NSURE A VIGOROUS STAND OF VEGETATION AT ALL TIMES.

CONSTRUCTION SPECIFICATIONS:

- 1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE OR RECYCLED
- THE LENGTH OF THE STABLIZED EXIT SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- 3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 6 INCHES.
- 4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE AREA WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
- GEOTEXTLE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIMERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH
 THE EXIT. F PPING IS IMPRACTICAL, A BERM WITH S1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE
 SUBSTITUTED FOR THE PIPE.
- THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PIELE RIGHTS-0-WAY. THIS MAY REQUIRE PERIODIC TOPPRESSING WITH ADDITIONAL STONE AS CONDITIONS
 DEMAND AND REPARA AND/OR CLEANAUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED,
 WASHED OR TRACKED ONLY DIBLIC RIGHT-0-WAY MUST BE REMOVED PROMPTLY.
- WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.



(AUGUST 2011)



DEWATERING NOTES:

- DEWATERING NOTES:

 1. THE PROPOSED PROJECT IS SCHEDULED TO TAKE PLACE IN THE "DRY" SEASON AND DOES NOT ANTICIPATE ANY DEWATERING ACTIVITIES. HOWEVER, SHOULD DEWATERING ACTIVITIES BECOME NECESSARY DUE TO ACTUAL WET FIELD CONDITIONS. THE SITE CONTRACTOR SHALL BE REQUIRED TO PREPARE A DEWATERING PLAN FOR APPROVAL BY THE MUNIFICALITY, PROJECALITY, PROJECALIT

- C. DEWATERING SCHEDULE:

 ANTICIPATED START DATE AND END DATE
 DALY HOURS OF OPERATION
 D. CONTINGENCY PLAN

REFERENCE CONSTRUCTION STANDARDS/SPECIFICATIONS: THE FOLLOWING CONSTRUCTION STANDARDS/SPECIFICATIONS/REFERENCES ARE TO BE UTILIZED IN CONCERT WITH THE

- 1. NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION
- 2. NHDOT STANDARD PLANS FOR ROAD CONSTRUCTION, LATEST EDITION.
- 3. CITY OF ROCHESTER CONSTRUCTION STANDARDS, LATEST REVISION.
- 4. AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, LATEST EDITION.
- 5. FHWA THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

CONSTRUCTION SEQUENCE

- CONSTRUCTION SEQUENCE

 CONTRACTOR TO NOTEY DIS-SAFE 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

 PRIOR TO GRUBBING OF CLEARED AREAS, ALL SLTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTRACT MACSURES SHALL BE NOTSHLED AS CALLED FOR ON PROJECT PLANS. INSTALL RED CONSTRUCTION CONTRACT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION MER THEREOT DIS WITH EXISTING PAVEMENT.

 CUT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION MER THEREOT DIS WITH EXISTING PAVEMENT.

 AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR. THIS PROJECT IS MANAGES PROFES.

 COMPLETE GRUBBING OPERATIONS UNDER THE ROADWAY AND SLOPE SECTIONS. ALL STUMPS AND SIMLAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR. ORGANIC MARFERL SUMBLE FOR USE AS FORSOL SHALL BE STOCKPLED IN UPLAND AREAS. ALL STOCKPLES SHALL BE SEEDED WITH WITTER RYE AND, IF NECESSARY, SURROUNDED WITH MY BALES IN ORDER TO PREVENT LOSS DUE TO FROSION.

 CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSONGS SHALL BE PROTECTED WITH HAY BALE BARRIERS TO SIMLAR FROM CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSONGS SHALL BE UNTIL HAY BALES IN ORDER TO PREVENT LOSS DUE TO INTERCUTE THE MOORE STRUCT TO ACTIVITIES.

 COMMENCE CONSTRUCT IS BUSINAFACE UTTILITIES.

 COMMENCE CONSTRUCT IS BUSINAFACE UTTILITIES.

- 7. COMMENCE CONSTRUCTION OF ROADWAY, PERFORM EXCAVATION ACTIVITES REQUISED TO ACHEVE SUBGRADE ELEVATION. ALL EXCAVATED EMBANKEINTS, DITCHES, SWALES AND ROADWAY GROSS CILLVERTS SHALL BY INSTALLED AND STABLEZED. ALL SWALES AND DITCHLINES SHALL BE PROTECTED FROM EROSION BY INFLINENTATION OF HAY BALE SLIATION FENCES AS SHOWN ON PROLECT. PLANS. DIVERT STORMWATER RUNDOFF THROUGH THE USE OF TEMPORARY CULVERTS, OR OTHER MEANS INCCESSARY PRIOR TO THE COMPLETIONS OF A FUNCTIONAL STORM DRAINAGE SYSTEM. SLOPES AND EMBANKWENTS SHALL BE STABLEZED BY TRACKING AND TEMPORARY SEEDING WITH WAITER PRIOR TO TURE STABLISHMENT: ALL DITCHES AND SWALES SHALL BE COMPLETED ON THE COMPLETION OF ROADWAY PEMBANKWENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.

 8. COMPLETE CONSTRUCTION OF ROADWAY PEMBANKWENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.

 APPLY TOPSOL TO ROADWAY SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOL USED MAY BE NATIVE ORGANIC MATERIALS. GREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES AND OTHER DELETERIOUS MATERIALS. TOPSOL SHALL BE A PRIED SO AS TO PROVIDE A MINDRIM OF A 4-PICH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOL NO, PINISHED SECTIONS ARE TO BE LIMED, SEEDED AND MULCHED. CONSTRUCTION PERSONNELS SHALL BE APPLIED SECTIONS OF WORK ON A REQULAR BASIS AND REMEDY AND PROPECT COMPLETED SECTIONS OF WORK ON A REQULAR BASIS AND REMEDY AND PROPECT COMPLETED SECTIONS OF WORK ON A REQULAR BASIS AND REMEDY AND PROPECT COMPLETED SECTIONS OF WORK ON A REQULAR BASIS AND REMEDY AND PROPES OF WORK ON A REQULAR BASIS AND REMEDY AND PROPES OF WORK ON A FRIENDERS AND REMEDY AND PROPES AND REMEDY AND PROPESSOR.

- COMPLETION OF TOPSOLING, FNISHED SECTIONS ARE TO BE LIMED, SEEDED AND MULCHED, CONSTRUCTION PRESONNEL SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASE AND REMEDY ANY PROBLEM AREAS LINTE. A HEALTHY STAND OF GRASS HAS BECOME ESTABLISHED.

 11. MANTAN, REPARE AND REPLACE AS NECESSARY TERRALS.

 12. MANTAN, REPARE AND REPLACE AS NECESSARY TERRALS.

 13. MANTAN, REPARE AND REPLACE AS NECESSARY TERRALS.

 14. ATTER STABLEATION, REMOVE AND STANDARD OF TOPS OF TEMPORARY EROSION CONTROL MEASURES.

 15. MONITOR CONSTRUCTION ACTIVITIES ON INDIVIDUAL LOTS TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PROPERLY OF THE MONITOR OF TEMPORARY EROSION CONTROL MEASURES.

 16. MONITOR CONSTRUCTION ACTIVITIES ON INDIVIDUAL LOTS TO INSURE CONSTRUCTION ACTIVITIES ARE BEING SYSTEMS AND UTILITIES. ALL DRIVEWAYS ACROSS DITICILIES SHALL HAVE COLVERTS INSTALLED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- WITH LUCAL REQUIREMENTS.

 14. LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE
 ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE

EROSION CONTROL NOTES

- EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. AT NO TIME SHALL MORE THAN FIVE (5) ACRES OF SITE AREA BE IN AN UNSTABLE CONDITION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABLECED CONDITION FOR A PERIOD OF TIME EXCEEDING THEITY (30) CALENDAR DAY IN STABLE TO MUST ABLECED CONDITION FOR A PERIOD OF TIME EXCEEDING THEITY (30) CALENDAR DAY INSTALLED IN STICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMLAR MESSURES SHALL BE INSTALLED WHERE AND WHEN THE FEELD CONDITION, OR FEELD OPERATION OF THE INDIVIDUAL SITE CONTRACTOR, MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE INSPECTED WEREN'X AND WITHIN 24 HOURS AFTER Q25" OF AMPIFALL OR MORE. THEY SHALL BE CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTATE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD. THE CONSTRUCTION PERIOD.

- N ACCORDANCE WITH ENV-A 1000.

 N NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSING. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION
- EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.

 9. AREAS HAVING FINISH GRADE SLOPES OF 3:1 OR STEEPER, SHALL BE STABLIZED WITH JUTE MATTING WHEN AND IF FIELD CONDITIONS WARRANT, OR F SO ORDERED. JUTE MATTING NSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINE IN VOLUME 3 OF THE INVENT MANEPHIRE STORMWATER MANUAL TERDISION AND SEDMENT CONTROLS DURING CONSTRUCTION.

 10. ALL DETENTION PONDS AND TREATMENT SWALES SHALL BE CONSTRUCTED PRIOR TO ANY EARTH MOVING ACTIVITIES THAT WILL INFLUENCE STORMWATER RUNOFF.

 11. ALL RODAWAYS AND PARKING AREAS SHALL BE STABLIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

 12. ALL CUT AND FILL SLOPES SHALL BE STABLIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

- 12. ALL CUT AND HILL SLOPES SHALL BE STABLEED WITHIN 72 HOURS OF ACHIEVING FINISHED GRAI WINTER CONSTRUCTION NOTES:

 1. ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF SIX MEDITATION SHOULD BE STAND FOR THE CONTRIBUTION OF SIX MEDITATION SHOULD BE STAND FOR THE CONTRIBUTION OF SIX MEDITATION SHOULD BE STAND FOR THE CONTRIBUTION OF SIX MEDITATION OF SIX MED
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY 2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A INMINIAN OF 55% VEGETATIVE GROWTH BY OCTOBER 15TH, 30 FMICH ARE DISTURDED AFTER OCTOBER 15TH, 34 FMLE BETSALED WITH STOME OR EROSSON CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
 3. AFTER COTOBER 15TH, NCOMPLETE ROAD OR PARKING SUBFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 NOTHES OF CRUSHED GRAVEL PER NIHOOT TIEM 304.3 OR, F CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER EASON, BE CLEARED OF ANY ACCUMULATED SHOW AFTER EACH STORM EVENT.
 4. AN AREA SHALL BE CONSIDERED STABLE FONE OF THE FOLLOWING HAS OCCURRED:
 6. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
 B. A MINIMUM OF 35 VEGETATED GROWTH HAS BEEN ESTALEJHED;
 C. A MINIMUM OF 3° OF NON-EROSINE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR

- D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED

CONSTRUCTION DETAILS

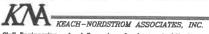
HIGHFIELD COMMONS PHASE 1B MAP 237 LOT 3

FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE STRAFFORD COUNTY

OWNER OF RECORD:

SDJ DEVELOPMENT OF ROCHESTER, LLC c/o CHESAPEAKE DEVELOPMENT, LLC 746 D.W. HIGHWAY, UNIT B MERRIMACK, NH 03054-2700 S.C.R.D. BK. 3927 PG. 453

SDJ DEVELOPMENT OF ROCHESTER, LLC c/o CHESAPEAKE DEVELOPMENT, LLC 746 D.W. HIGHWAY, UNIT R MERRIMACK, NH 03054-2700



Civil Engineering Land Surveying Landscape Architecture umerce Park North, Suite SE, Bedford, NE 03110 Phone (603) 627-2881

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