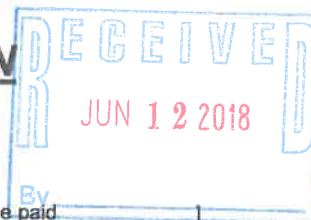




MAJOR SUBDIVISION APPLICATION

(a total of four or more lots)

City of Rochester, New Hampshire



[office use only. Check # _____ Amount \$ _____ Date paid _____]

Date: June 8, 2018 Is a conditional needed? Yes: _____ No: _____ Unclear: _____
(If so, we encourage you to submit an application as soon as possible.)

Property information

Tax map #: 237; Lot #(s): 3 & 8; Zoning district: POD

Property address/location: Fillmore Blvd.

Name of project (if applicable): HIGHFIELD Commons - Phase 1B

Size of site: 90+ acres; Overlay zoning district(s)? POD

Property owner

Name (include name of individual): SDJ DEVELOPMENT OF ROCHESTER, LLC
CHRIS STRICKLER

Mailing address: 746 D.W. HIGHWAY, UNIT B, MERRIMACK N.H. 03054

Telephone #: 603 424-6904 Email: Chris@CDCDH.COM

Applicant/developer (if different from property owner)

Name (include name of individual): SAME AS OWNER

Mailing address: _____

Telephone #: _____ Email: _____

Engineer/surveyor

Name (include name of individual): KEACH WOODSTROM ASSOCIATES INC.
PATRICK COLBURN

Mailing address: 10 Commerce PARK North, Suite 3B, Bedford, N.H. 03110

Telephone #: 603 627 2881 Fax #: _____

Email address: p.colburn@keachwoodstrom.com Professional license #: _____

Proposed project

Number of proposed lots: 24; estimated length of new roads: 1,150 LF

Number of cubic yard of earth being removed from the site? _____

City water? yes X no _____; How far is city water from the site? _____

City sewer? yes X no _____; How far is city sewer from the site? _____

If city water, what are the est. total gal. per day? 120,000 Are there pertinent covenants? _____

Where will stormwater be discharged? Detention Pond

(Continued Major Subdivision Plan application Tax Map: _____ Lot: _____ Zone _____)

Wetlands: Is any fill proposed? NO; area to be filled: _____; buffer impact? _____

Comments

Please feel free to add any comments, additional information, or requests for waivers here:

Submission of application

This application must be signed by the property owner, applicant/developer (if different from property owner), and/or the agent.

I (we) hereby submit this Subdivision application to the City of Rochester Planning Board pursuant to the City of Rochester Subdivision Regulations and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.

Signature of property owner: 

Date: 6/11/18

Signature of applicant/developer: 

Date: 6/11/18

Signature of agent: 

Hillside Design Group LLC
Matthew Peterson

Date: 6/11/18

Authorization to enter subject property

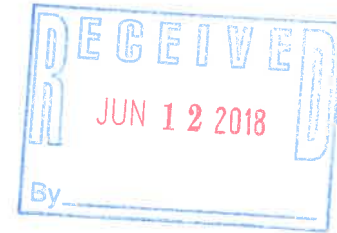
I hereby authorize members of the Rochester Planning Board, Zoning Board of Adjustment, Conservation Commission, Planning Department, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections during the application phase, review phase, post-approval phase, construction phase, and occupancy phase. This authorization applies specifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property.

Signature of property owner: 

Date: 6/11/18

June 8, 2018

City of Rochester
Planning Department
Attn: Jim Campbell
31 Wakefield Street
Rochester, New Hampshire 03867



Re: Subdivision Plan Narrative - "Highfield Commons Phase 1B"
Tax Map 237; Lot 3 & 8 – Eisenhower Drive
Rochester, New Hampshire 03867
HDG Project # 2010-0831-1

Dear Chairman and Board Members:

The above referenced project is being submitted for Subdivision Approval from the City of Rochester Planning Board. The proposed project is for Phase 1B of the Highfield Commons development. This phase consists of the permitting the second phase of our single-family homes project and calls for the next 24 single family lots on the subject parcel with all supporting infrastructure. This phase comes off the top of Fillmore Blvd and climbs the existing hill for about 1,200 feet with new homes on each side of the roadway.

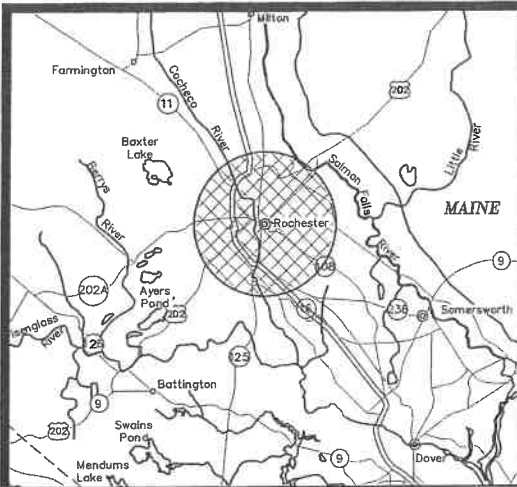
The applicant has included all required supporting information for your review and comment of this project within the submittal package.

If you have any questions or comments please contact me at (603) 496-3684.

Sincerely,

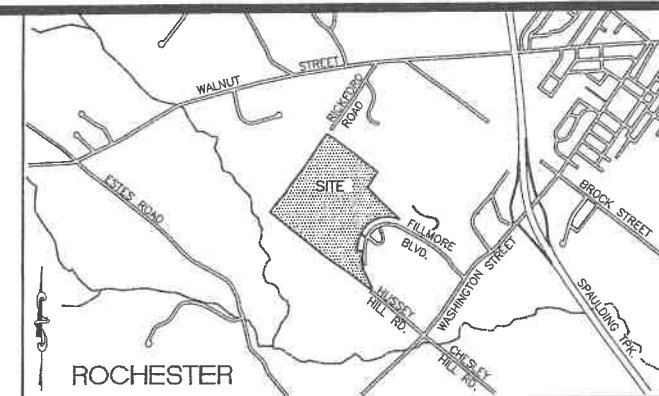


Matthew J. Peterson - Project Manager
Development Consultant
Hillside Design Group, Inc.
746 D.W. Highway, Unit B
Merrimack, NH 03054



VICINITY PLAN
NOT TO SCALE

RESIDENTIAL SUBDIVISION PLAN HIGHFIELD COMMONS PHASE 1B MAP 237 LOTS 3 & 8 FILLMORE BOULEVARD ROCHESTER, NEW HAMPSHIRE



VICINITY MAP
SCALE: 1" = 2,000'

MAP 237 LOT 1-1
DONALD N. JR. & PAULA MCCALLION
7 JODI LANE
STRAFFORD, NH 03884

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

MAP 237 LOT 4
WOODBURY C. ARGEROW, JR.
23 HUSSEY HILL ROAD
ROCHESTER, NH 03867

MAP 237 LOT 5
JOSEPH J. MIGLIORE, III &
ANGIE'S GETO 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 6-1
WASHINGTON STREET PARTNERS, LLC
c/o CHESAPEAKE DEVELOPMENT
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054

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

MAP 237 LOT 7
JONATHAN W. & HOLLY A. CLEMENT
30 BICKFORD ROAD
ROCHESTER, NH 03867-4288

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

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

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

MAP 236 LOT 20
GERALD & LORI CHASSE
123 ESTES ROAD
ROCHESTER, NH 03867-4233

MAP 230 LOT 8
JAMES L. & SUZANNE H. THOMAS
25 BICKFORD ROAD
ROCHESTER, NH 03867-4272

ABUTTERS LIST

MAP 246 LOTS 3 & 4
CHESLEY HILL PARTNERS LLC
260 WASHINGTON STREET
ROCHESTER, NH 03839-5426

MAP 246 LOT 5
CITY OF ROCHESTER
31 WAKEFIELD STREET
ROCHESTER, NH 03867-1916

MAP 246 LOT 7
BETTY BAUM
10 HUSSEY HILL ROAD
ROCHESTER, NH 03867-4205

MAP 246 LOT 8
CHARLES W. HUSSEY & BETTY BAUM
10 HUSSEY HILL ROAD
ROCHESTER, NH 03867-4205

MAP 247 LOTS 54 & 55
DAVID & JUDITH ROBBINS
111 ESTES ROAD
ROCHESTER, NH 03867

MAP 247 LOT 58
JULIE A. & ANDREW M. BRITTON
14 VINEWOOD LANE
ROCHESTER, NH 03867

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

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

MAP 130 LOT 38
ARTHUR & VICKI WALKER
174 WASHINGTON STREET
ROCHESTER, NH 03839-5504

MAP 130 LOT 40
RONALD & PATRICIA LECLAIR
178 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 3-141
ED POTTER
72 FILLMORE BLVD
ROCHESTER, NH 03867-4497

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

MAP 237A LOT 3-143
WILLIAM & SHERRILL WOODY
1751 STATE ROUTE 32
ROUND POND, ME 04864-3907

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

MAP 237A LOT 3-145
HUNG & ANGELA NGUYEN
6 PIERCE DRIVE
ROCHESTER, NH 03867-4495

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
CARLO-JONES
14 PIERCE DRIVE
ROCHESTER, NH 03867-4495

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

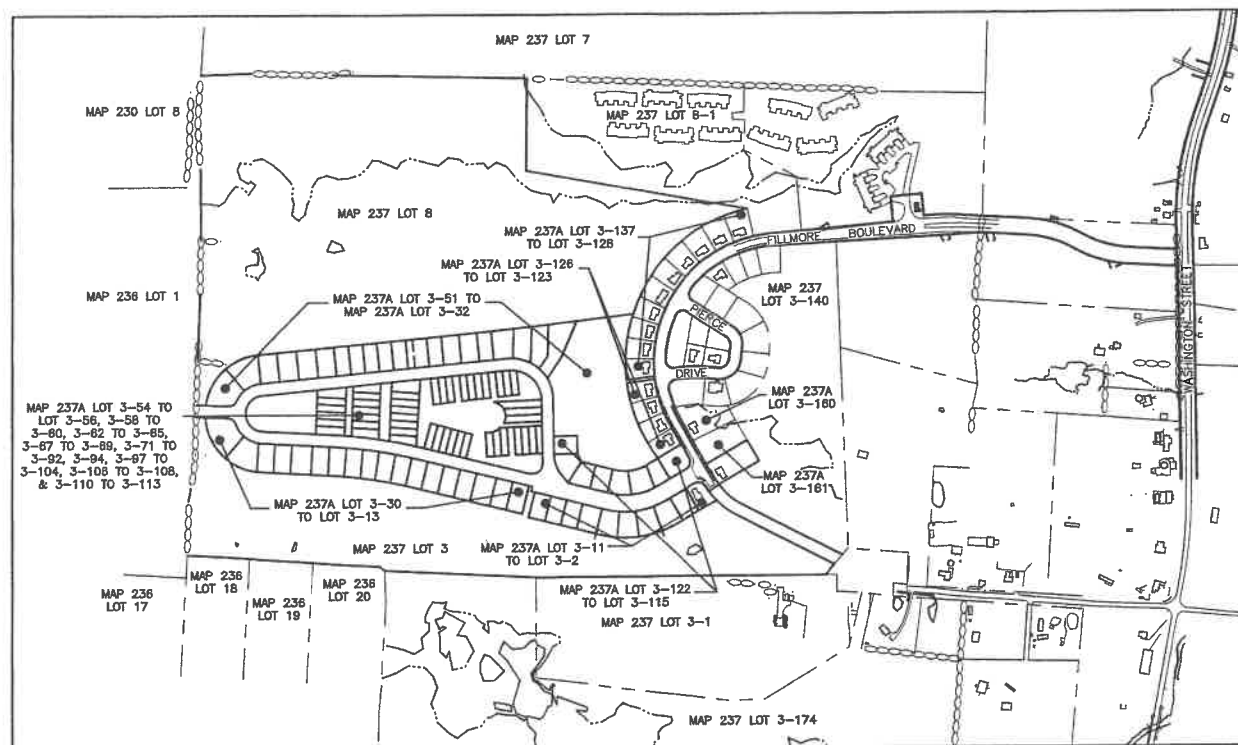
MAP 237A LOT 3-150
JOSEPH & PHYLLIS BOUDREAU
20 PIERCE DRIVE
ROCHESTER, NH 03867-4495

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

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

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

MAP 246 LOT 2
RICHARD & NORMA HESELTON
251 WASHINGTON STREET
ROCHESTER, NH 03839-5425



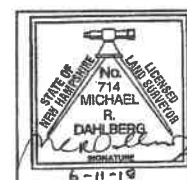
EXISTING TAX MAP
SCALE: 1" = 400'

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



KM
KEACH-NORDSTROM ASSOCIATES, INC.
Civil Engineering Land Surveying Landscape Architecture
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

MAY 29, 2018

PROJECT NO. 17-0417-3

ABUTTERS LIST

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

MAP 246 LOT 11
BENJAMIN & SARAH KRAMER
15 HUSSEY HILL ROAD
ROCHESTER, NH 03867-4205

MAP 246 LOT 10
JOHN & VALERIE LEBRUN
17 HUSSEY HILL ROAD
ROCHESTER, NH 03867-4205

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

MAP 237A LOT 3-130
MICHAEL P. NUNZIATO
97 FILLMORE BLVD.
ROCHESTER, NH 03867

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

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

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

MAP 237A LOT 3-133
DEROY & WANDA WILLIAMS
87 FILLMORE BLVD.
ROCHESTER, NH 03867-4497

MAP 237A LOT 3-135
MATTHEW & JENNIFER HAYDON
81 FILLMORE BLVD.
ROCHESTER, NH 03867-4497

MAP 237A LOT 3-136
HETHEA ROBERGE
79 FILLMORE BLVD.
ROCHESTER, NH 03867-4497

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

MAP 248 LOT 3
183 WASHINGTON STREET, LLC
c/o CHESAPEAKE DEVELOPMENT
746 D.W. HIGHWAY UNIT B
MERRIMACK, NH 03054

MAP 248 LOT 9
183 WASHINGTON STREET, LLC
c/o CHESAPEAKE DEVELOPMENT
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 03867-4497

MAP 237A LOT 3-155
JASON MILLER
25 PIERCE DRIVE
ROCHESTER, NH 03867-4495

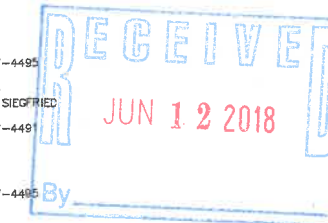
MAP 237A LOT 3-156
KENNETH & JEANNE CARR
19 PIERCE DRIVE
ROCHESTER, NH 03867-4495

MAP 237A LOT 3-157
EBEN & WENDY RAMSDALL
11 PIERCE DRIVE
ROCHESTER, NH 03867-4495

MAP 237A LOT 3-123
ALEXANDER & CAROLYN SMITH
113 FILLMORE BLVD.
ROCHESTER, NH 03867-4497

MAP 237A LOT 3-124
DANACHIE & MA TANN
111 FILLMORE BLVD.
ROCHESTER, NH 03867

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



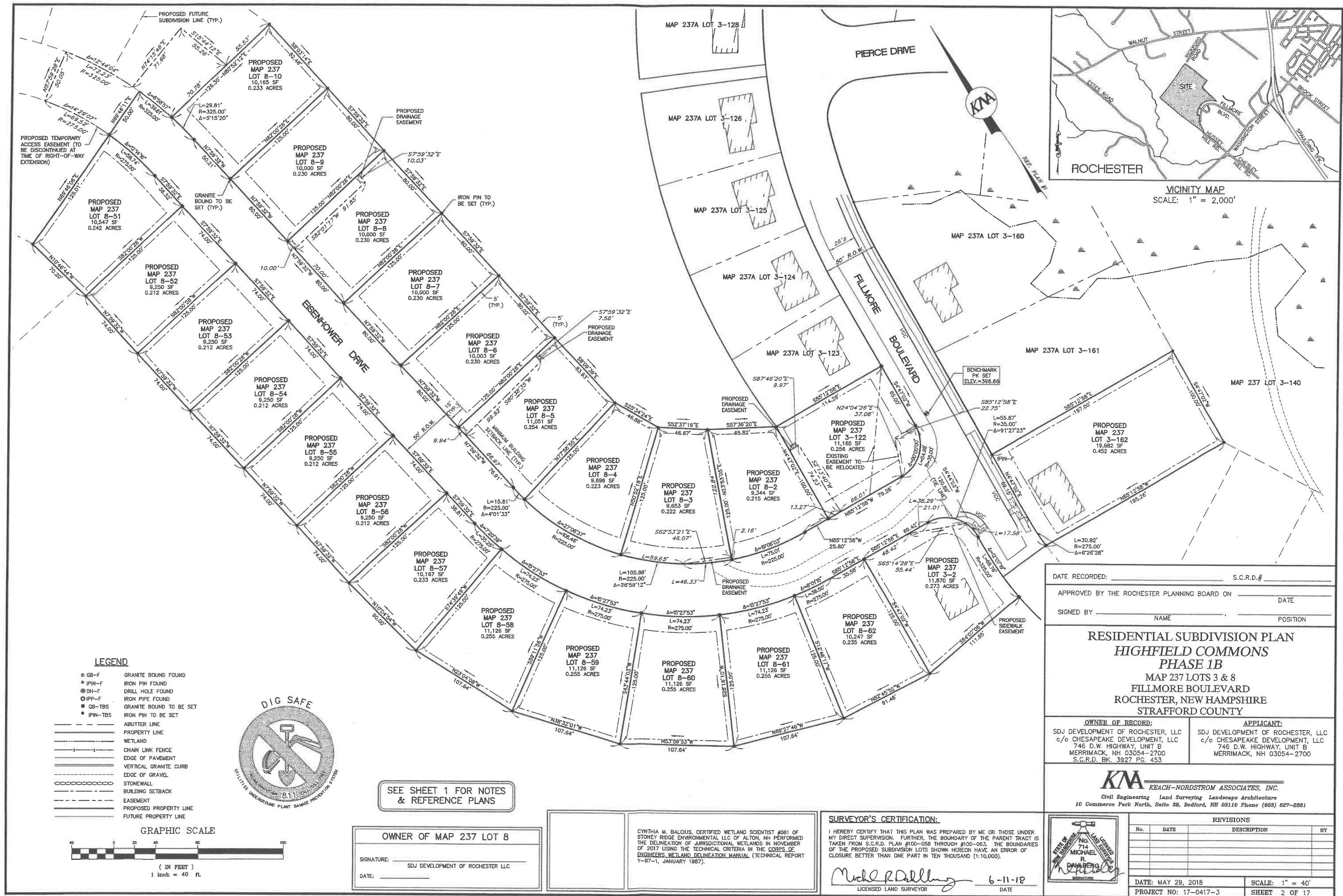
SHEET TITLE

OVERVIEW PLAN
RESIDENTIAL SUBDIVISION PLAN
TOPOGRAPHIC SUBDIVISION PLAN
ROADWAY PLAN
ROADWAY PROFILE
GRADING AND EROSION CONTROL PLAN
STORMWATER MANAGEMENT AREA PLAN
LANDSCAPE PLAN
DRAINAGE PROFILES
CONSTRUCTION DETAILS
CROSS SECTIONS

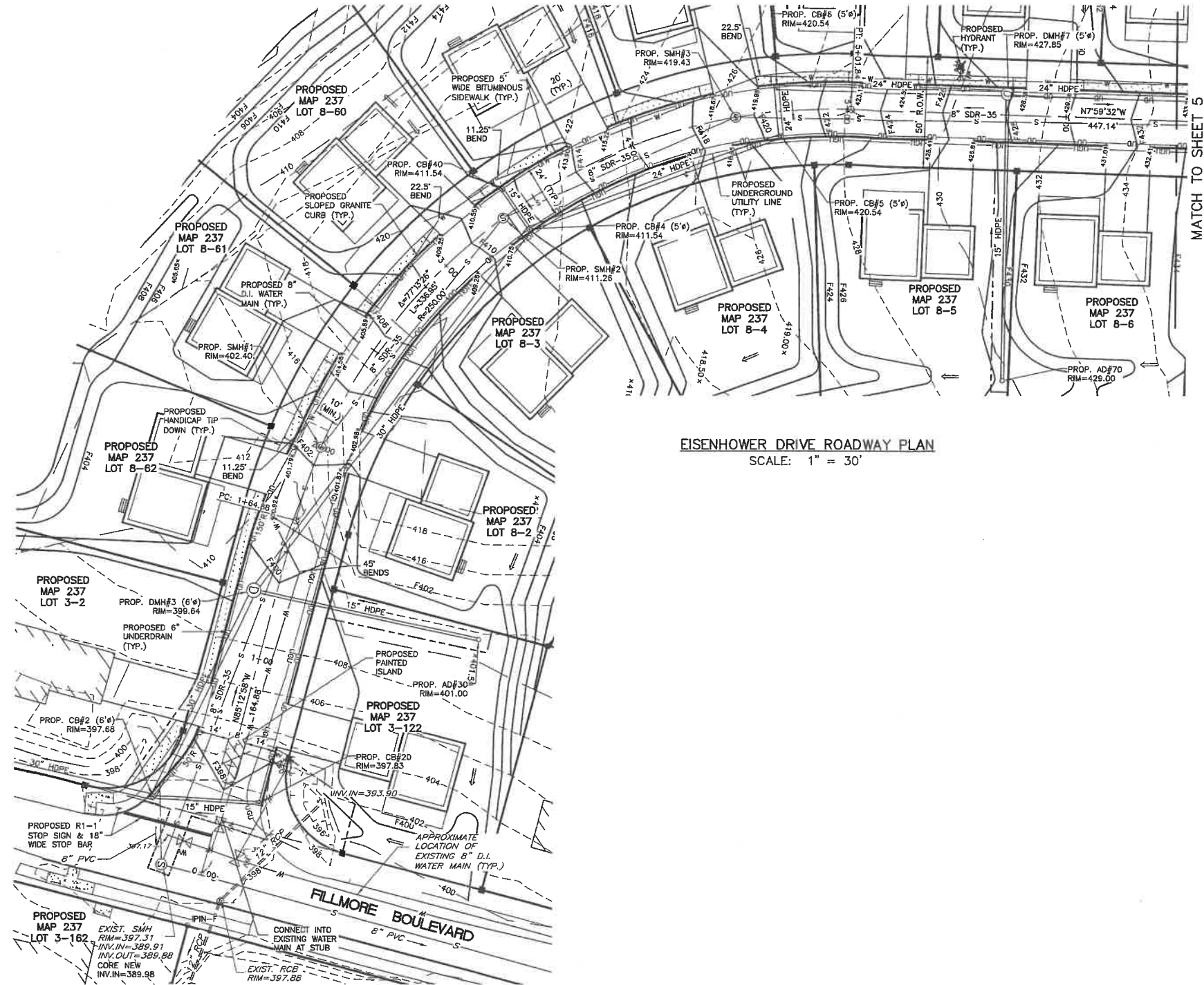
SHEET No.

1
2
3
4 & 5
6 & 7
8
9
10
11
12 - 17
X1 - X4

T:\project\1704173\dwg\Production Drawings\1704173-SUBPLAN.dwg, SUB, 6/11/2018 4:10:26 PM, Title



T:\project\1704173\1704173.dwg (Production Drawings) 6/11/2018 4:10:56 PM, Rev 1



EISENHOWER DRIVE ROADWAY PLAN
SCALE: 1" = 30'

LEGEND

- GB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DRH-F DRILL HOLE FOUND
- IPPF-F IRON PIPE FOUND
- UTILITY POLE
- SIGN
- WATER VALVE
- HYDRANT
- SEWER MANHOLE
- ROUND CATCH BASIN
- GRANITE BOUND TO BE SET
- IPIN-TBS IRON PIN TO BE SET
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- CHAIN LINK FENCE
- OVERHEAD UTILITIES
- WATER LINE
- SEWER LINE
- UNDERDRAIN LINE
- DRAINAGE LINE
- TREELINE
- EDGE OF PAVEMENT
- VERTICAL GRANITE CURB
- EDGE OF GRAVEL
- 10' CONTOUR
- 2' CONTOUR
- STONEMAN
- BUILDING SETBACK
- EASEMENT
- PROPOSED PROPERTY LINE
- FUTURE PROPERTY LINE
- PROPOSED UNDERGROUND UTILITIES
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED UNDERDRAIN
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB

CONSTRUCTION NOTES:

- 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, DEPARTMENT OF TRANSPORTATION, APPROVED AND ADOPTED 2018 ARE HEREBY INCORPORATED BY REFERENCE.
- 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, ROCHESTER, NEW HAMPSHIRE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 811 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, STOCKPILED, AND REDISTRIBUTED OVER GRADED AREAS. PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES 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 SOD, TOP SOIL, STRAW, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC GRADING AND DRAINAGE REQUIREMENTS AT THE BUILDING, WALKWAYS, AND ENTRANCES. INSTALL STEPS, LANDINGS, RAILINGS, AND OTHER FEATURES PER APPLICABLE CODES.
- ALL CATCH BASINS SHALL HAVE A 4'-0" SUMP.
- ALL WORKMANSHIP AND MATERIALS INCORPORATED INTO THE CONSTRUCTION OF THE WATER LINES SHALL CONFORM TO ALL THE LOCAL PRECINCT'S STANDARDS, SPECIFICATIONS, RULES, AND REGULATIONS.
- ALL WORKMANSHIP AND MATERIALS INCORPORATED INTO THE CONSTRUCTION OF THE ELECTRIC AND TELEPHONE LINES SHALL CONFORM WITH THE STANDARDS OF THE LOCAL PROVIDER.
- ALL UTILITY CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CITY OF ROCHESTER STANDARDS OF INFRASTRUCTURE DESIGN SECTION 1 - POTABLE WATER DESIGN STANDARDS AND SECTION 2 - SANITARY SEWER DESIGN STANDARDS.
- ONLY CONTRACTORS THAT HAVE BEEN GRANTED A WATER/SEWER LICENSE SHALL BE PERMITTED TO INSTALL ANY APPURTENANCE OR WATER/SEWER CONNECTION IN THE FILLMORE BOULEVARD RIGHT-OF-WAY.
- 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 CERTIFY THAT THE GRADES SHOWN ON THIS PLAN REPRESENT THE GRADES AS CONSTRUCTED.
- PER RSR 6.6.3, ALL UTILITIES WITHIN THE LIMITS OF FILLMORE BOULEVARD SHALL BE INSPECTED BY A REPRESENTATIVE OF THE CITY PRIOR TO BACKFILLING OF TRENCHES OR OTHER COVERING OF THE SERVICES.
- AN ACCURATE RECORD OF THE LOCATION AND DEPTH OF ALL UTILITIES SHALL BE KEPT BY THE DEVELOPER OR HIS/HER REPRESENTATIVE AND A COPY SHALL BE PROVIDED TO THE CITY.

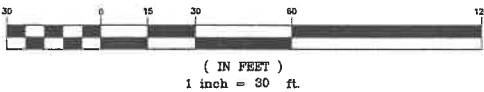
SEE SHEETS 6 & 7 FOR
ROADWAY PROFILES

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
MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

OWNER OF RECORD:	APPLICANT:
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

KMA KEACH-NORDSTROM ASSOCIATES, INC.
Civil Engineering Land Surveying Landscape Architecture
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

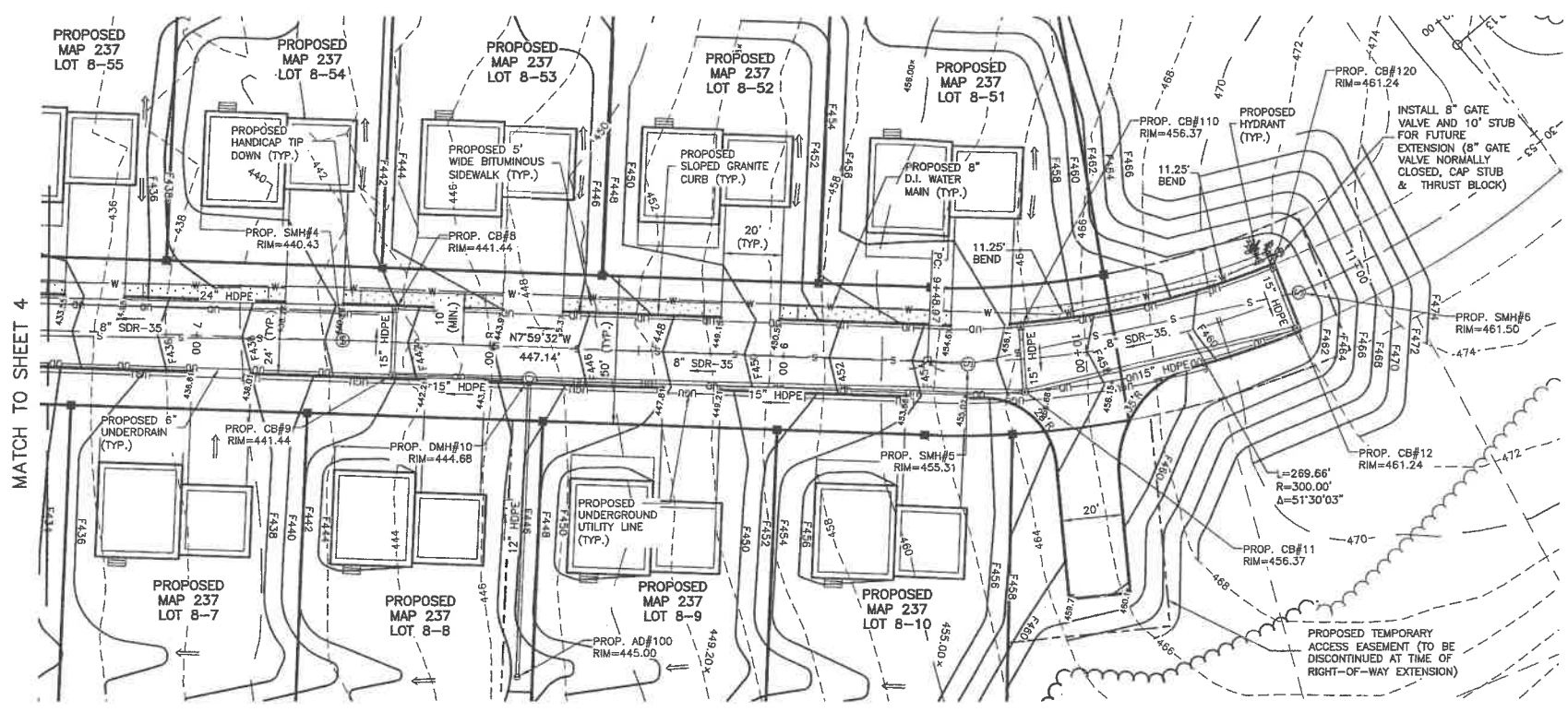


REVISIONS			
No.	DATE	DESCRIPTION	BY

DATE: MAY 29, 2018
PROJECT NO: 17-0417-3
SCALE: 1" = 30'
SHEET 4 OF 17



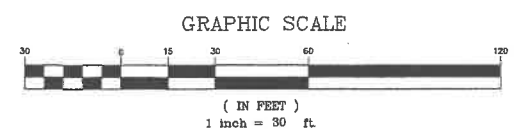
- SEE SHEET 4 FOR CONSTRUCTION NOTES
- SEE SHEETS 6 & 7 FOR ROADWAY PROFILES
- LOAM & SEED ALL DISTURBED AREAS (TYP.)
- SEE GRADING, DRAINAGE AND EROSION CONTROL PLANS FOR DETAILED POND INFORMATION



EISENHOWER DRIVE ROADWAY PLAN
SCALE: 1" = 30'

LEGEND

- CB-F GRANITE BOUND FOUND
- IPIN-F IRON PIN FOUND
- DH-F DRILL HOLE FOUND
- IPP-F IRON PIPE FOUND
- UTILITY POLE
- SIGN
- WATER VALVE
- HYDRANT
- SEWER MANHOLE
- ROUND CATCH BASIN
- GRANITE BOUND TO BE SET
- IPIN-TBS
- ABUTTER LINE
- PROPERTY LINE
- WETLAND
- CHAIN LINK FENCE
- OVERHEAD UTILITIES
- WATER LINE
- SEWER LINE
- UNDERDRAIN LINE
- DRAINAGE LINE
- TREELINE
- EDGE OF PAVEMENT
- VERTICAL GRANITE CURB
- EDGE OF GRAVEL
- 10' CONTOUR
- 2' CONTOUR
- STONEWALL
- BUILDING SETBACK
- EASEMENT
- PROPOSED PROPERTY LINE
- FUTURE PROPERTY LINE
- PROPOSED UNDERGROUND UTILITIES
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED UNDERDRAIN
- PROPOSED DRAINAGE LINE
- PROPOSED TREELINE
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SLOPED GRANITE CURB



ROADWAY PLAN
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
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

KEACH-NORDSTROM ASSOCIATES, INC.
Civil Engineering Land Surveying Landscape Architecture
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 827-2881

REVISIONS

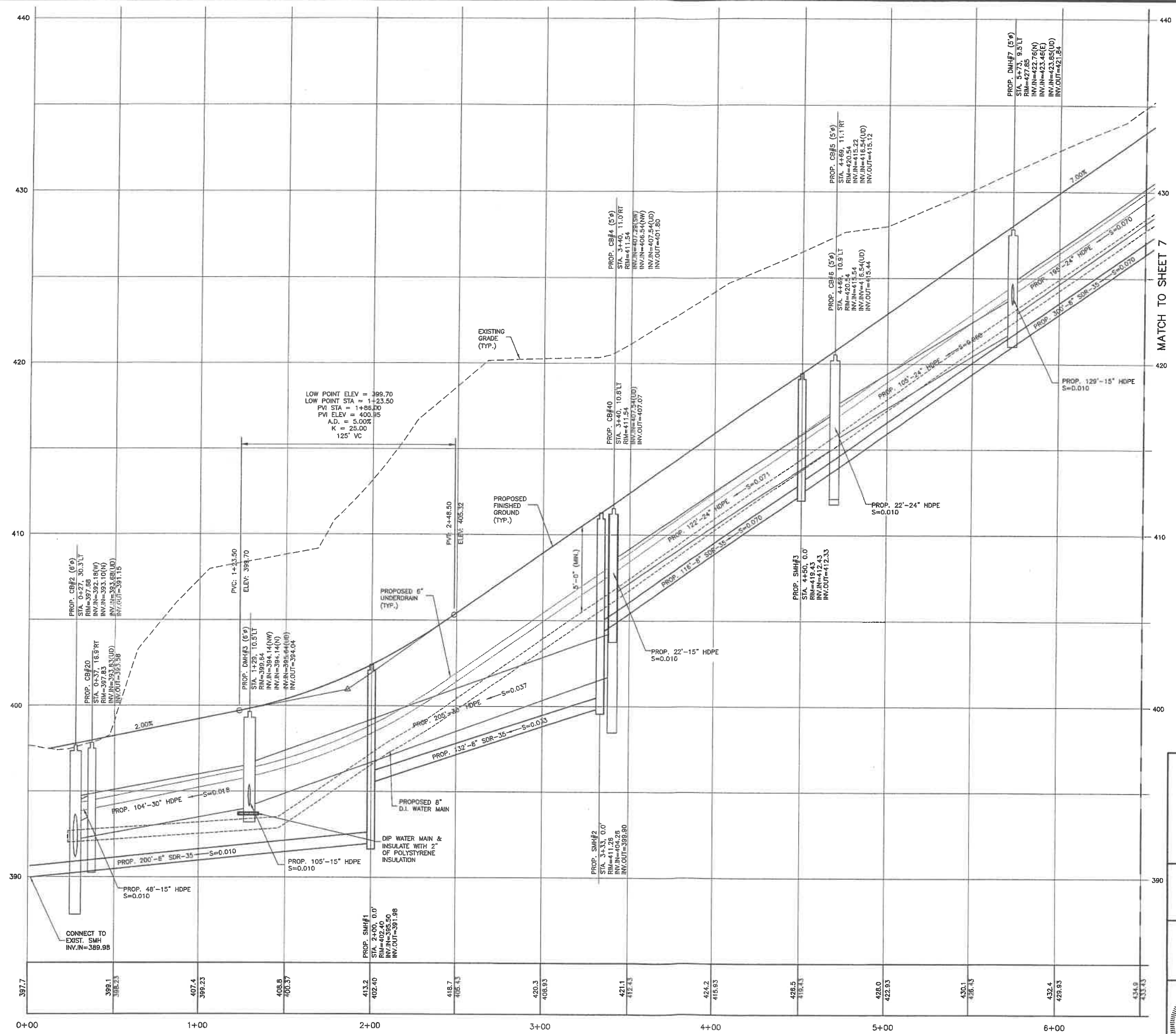
No.	DATE	DESCRIPTION	BY

DATE: MAY 29, 2018
PROJECT NO: 17-0417-3

SCALE: 1" = 30'
SHEET 5 OF 17

STEVEN B. KEACH
No. 7869
LICENSED PROFESSIONAL ENGINEER
06-11-10

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EISENHOWER DRIVE ROADWAY PROFILE
SCALE: 1" = 30' (HORIZ.)
1" = 3' (VERT.)

SEE SHEET 4 FOR
CONSTRUCTION NOTES

SEE SHEETS 4 & 5 FOR
ROADWAY PLAN



ROADWAY PROFILE
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
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

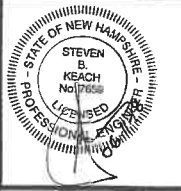
APPLICANT:
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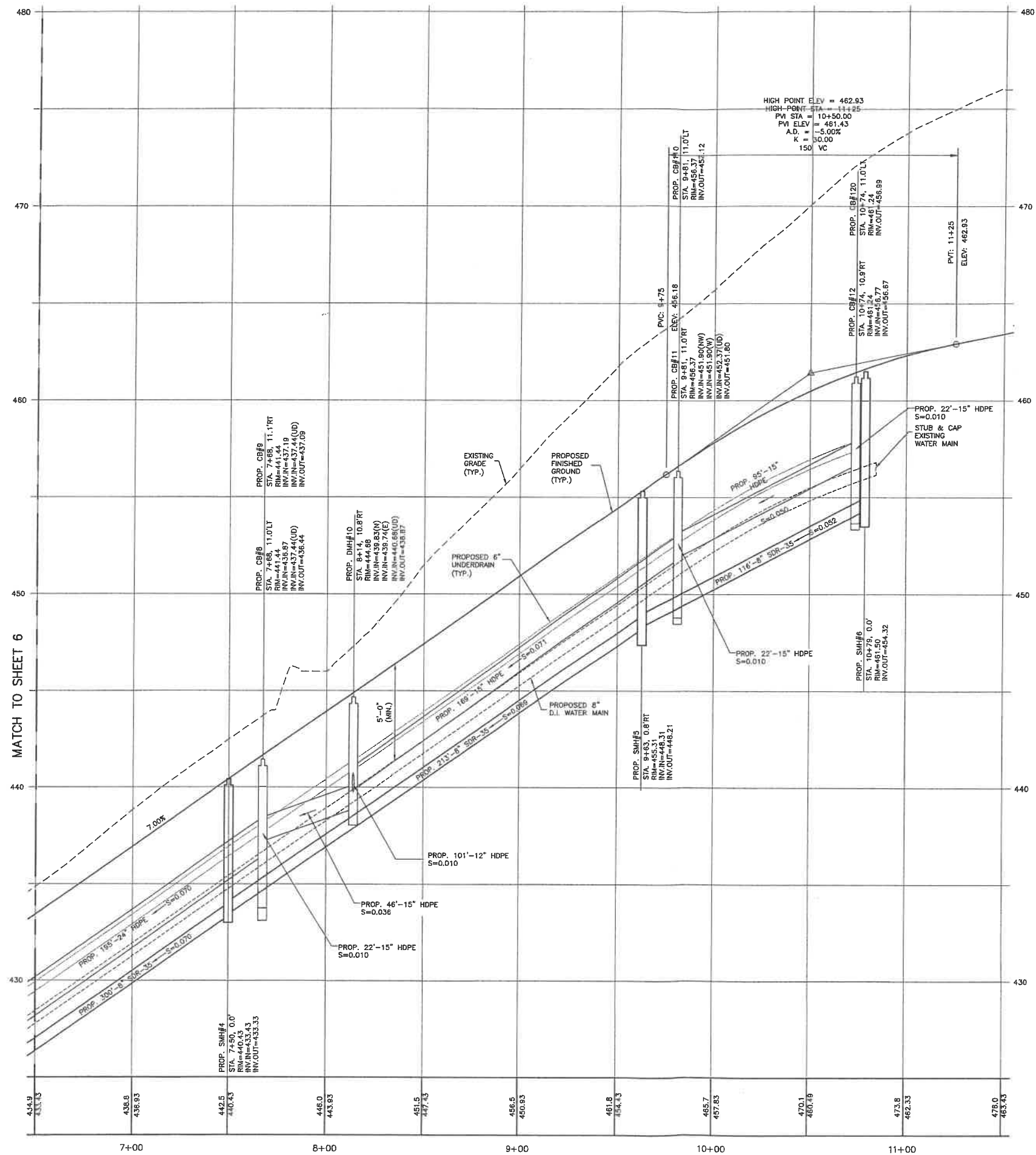
KMA
KEACH-NORDSTROM ASSOCIATES, INC.
Civil Engineering Land Surveying Landscape Architecture
10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 827-2881

REVISIONS

No.	DATE	DESCRIPTION	BY

DATE: MAY 29, 2018 SCALE: 1" = 30'
PROJECT NO: 17-0417-3 SHEET 6 OF 17





EISENHOWER DRIVE ROADWAY PROFILE
SCALE: 1" = 30' (HORIZ.)
1" = 3' (VERT.)

SEE SHEET 4 FOR
CONSTRUCTION NOTES

SEE SHEETS 4 & 5 FOR
ROADWAY PLAN



ROADWAY PROFILE
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PROJECT NO: 17-0417-3		SHEET 7 OF 17	

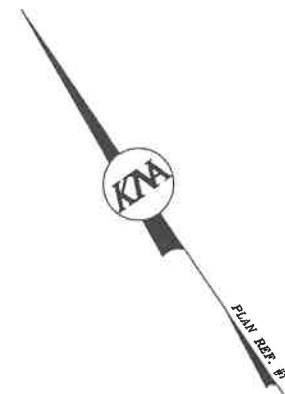
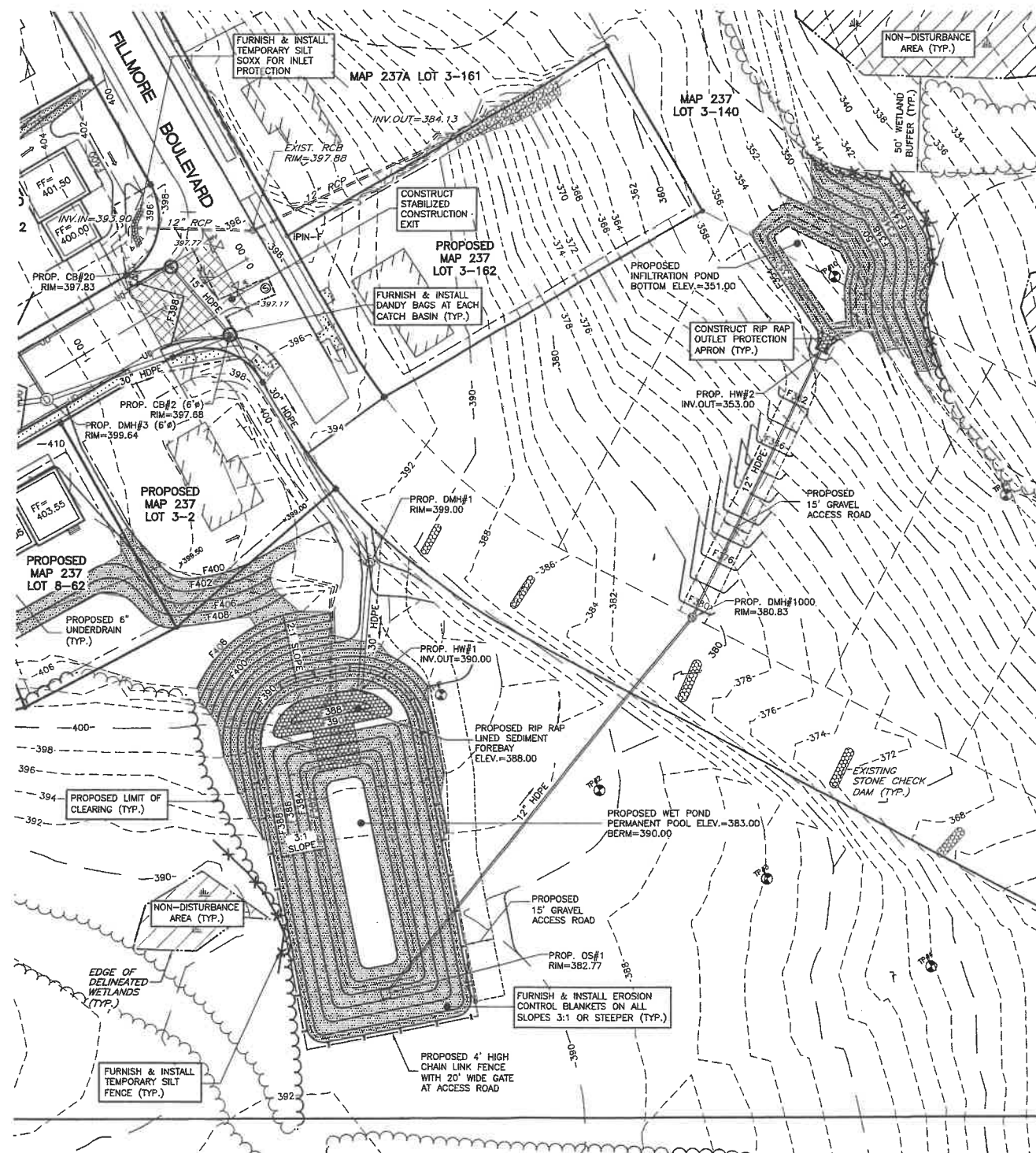
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- LEGEND**
- GB-F GRANITE BOUND FOUND
 - IPIN-F IRON PIN FOUND
 - DH-F DRILL HOLE FOUND
 - IPP-F IRON PIPE FOUND
 - UTILITY POLE
 - SIGN
 - WATER VALVE
 - HYDRANT
 - SEWER MANHOLE
 - ROUND CATCH BASIN
 - GB-TBS GRANITE BOUND TO BE SET
 - IPIN-TBS IRON PIN TO BE SET
 - ABUTTER LINE
 - PROPERTY LINE
 - WETLAND
 - CHAIN LINK FENCE
 - OVERHEAD UTILITIES
 - WATER LINE
 - SEWER LINE
 - UNDERDRAIN LINE
 - DRAINAGE LINE
 - TREELINE
 - EDGE OF PAVEMENT
 - VERTICAL GRANITE CURB
 - EDGE OF GRAVEL
 - 10' CONTOUR
 - 2' CONTOUR
 - STONEWALL
 - BUILDING SETBACK
 - EASEMENT
 - PROPOSED PROPERTY LINE
 - FUTURE PROPERTY LINE
 - PROPOSED UNDERGROUND UTILITIES
 - PROPOSED WATER LINE
 - PROPOSED SEWER LINE
 - PROPOSED UNDERDRAIN
 - PROPOSED DRAINAGE LINE
 - PROPOSED TREELINE
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED SLOPED GRANITE CURB

- EROSION & SEDIMENT CONTROL LEGEND**
- PERMANENT OUTLET PROTECTION APRON (RIP RAP)
 - TEMPORARY DANDY BAGS AT ALL CATCH BASINS
 - SILT FENCE
 - LIMITS OF CLEARING
 - TEMPORARY SILT SOXX
 - STABILIZED CONSTRUCTION EXIT
 - NON DISTURBANCE AREA
 - STAGING AND STOCKPILE AREA
 - EROSION CONTROL BLANKETS

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 (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT.



SEE SHEET 8 FOR EROSION CONTROL NOTES

LOAM & SEED ALL DISTURBED AREAS (TYP.)



**STORWATER MANAGEMENT AREA PLAN
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY**

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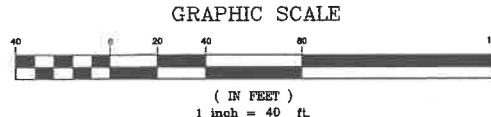
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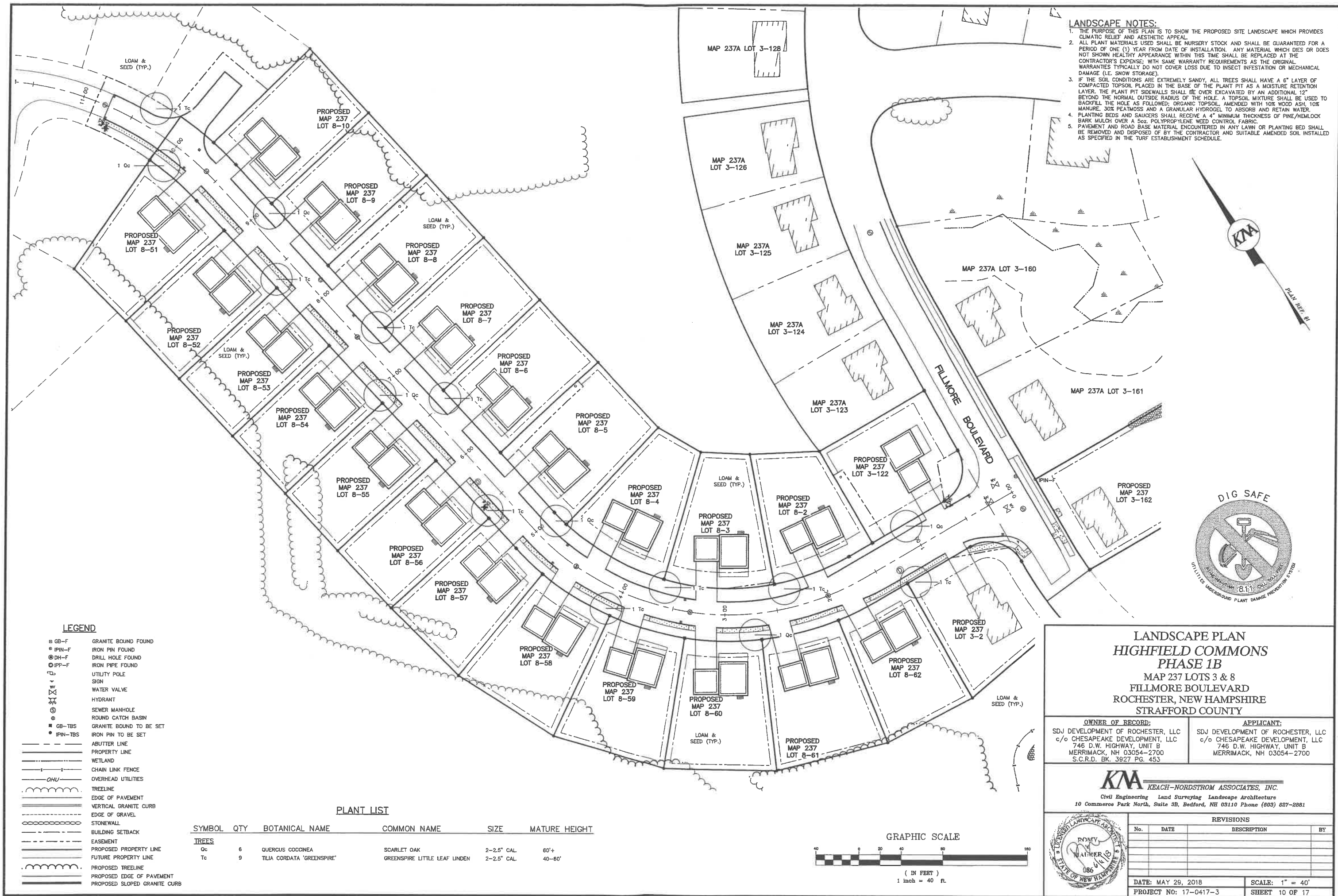


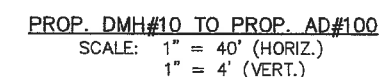
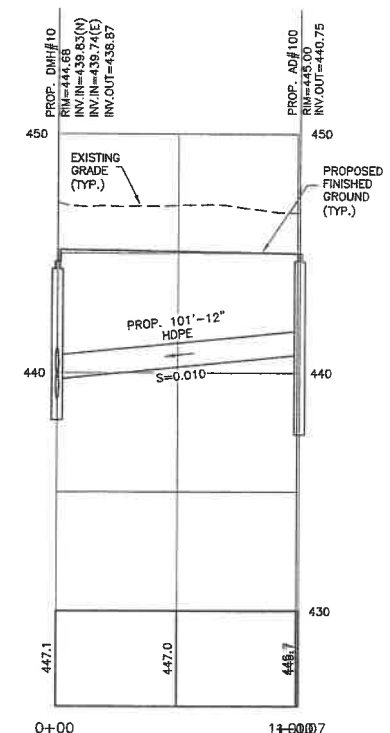
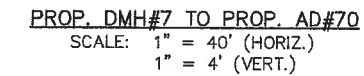
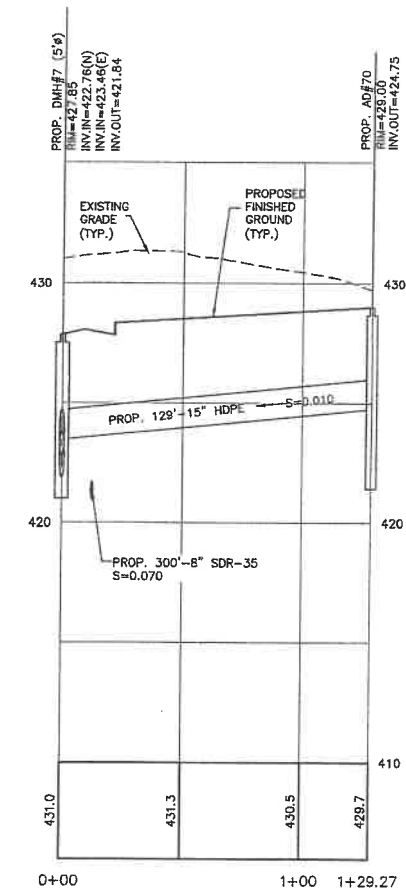
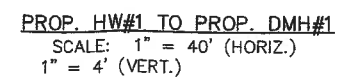
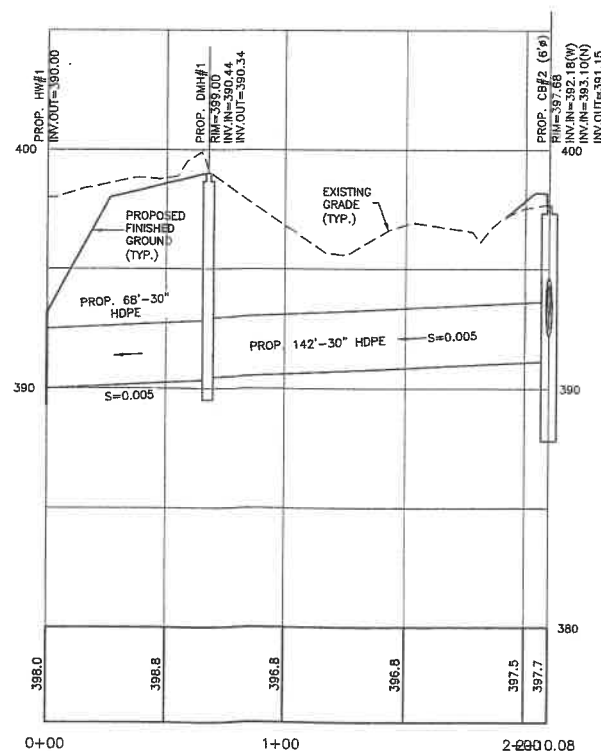
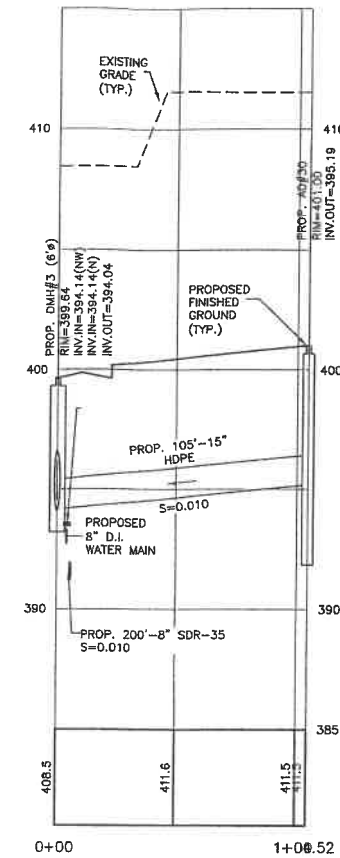
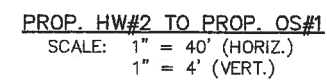
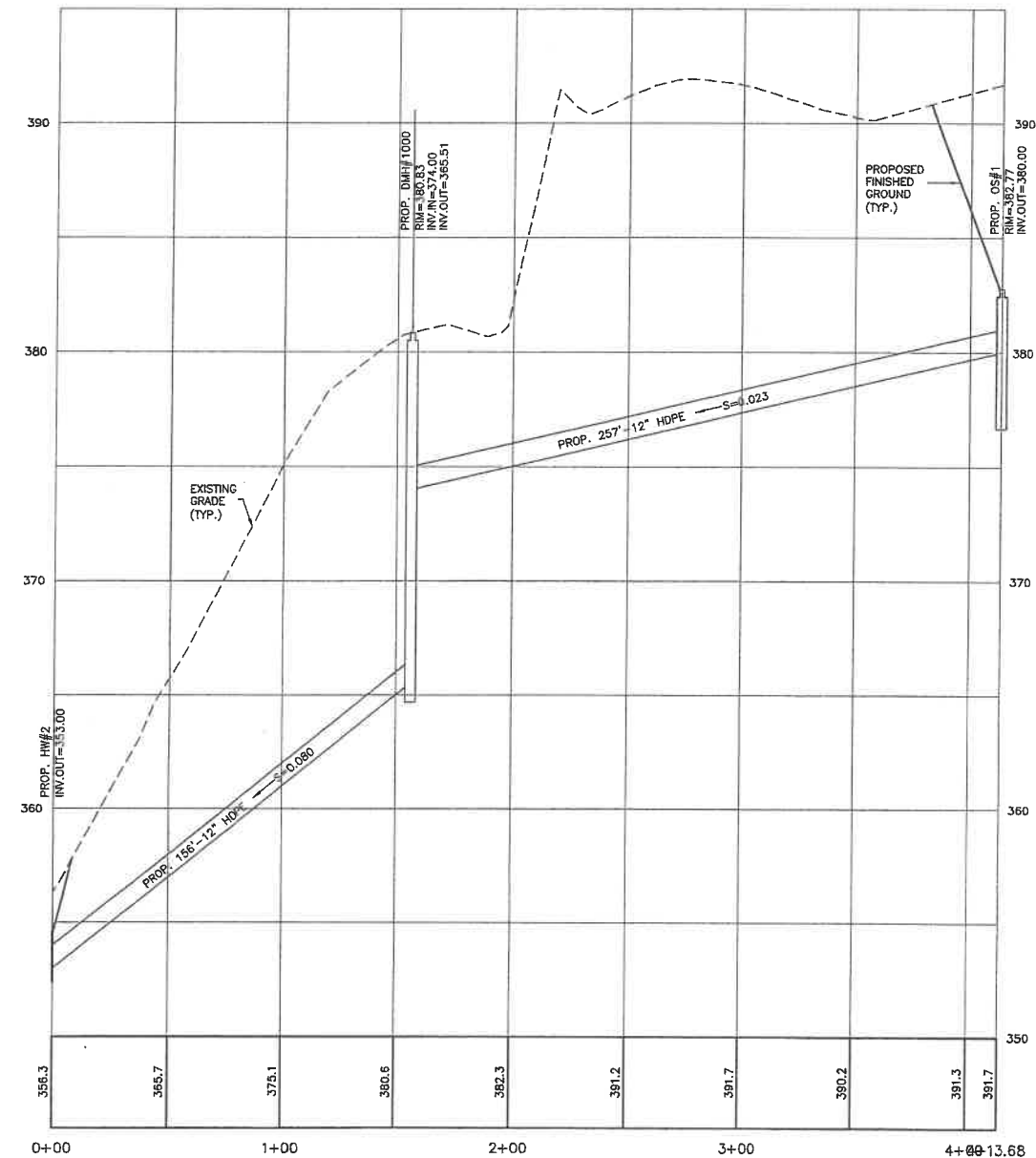
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PROJECT NO: 17-0417-3 SHEET 9 OF 17



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DRAINAGE PROFILES
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

<u>OWNER OF RECORD:</u>	<u>APPLICANT:</u>
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CHAIN LINK FENCE DETAIL
NOT TO SCALE
(MARCH 2008)

BITUMINOUS WALK DETAIL
NOT TO SCALE
(MARCH 2008)

**NOTE: PLACEMENT OF THE CONCRETE SHALL BE
SUBSIDIARY TO THE INSTALLATION OF THE CURBING**

STRAIGHT GRANITE SLOPE CURB DETAIL
NOT TO SCALE
(MARCH 2008)

STRAIGHT GRANITE SLOPE CURB WITH BITUMINOUS SIDEWALK
NOT TO SCALE
(MARCH 2008)

PUBLIC ROADWAY SECTION WITH SIDEWALK
NOT TO SCALE

SECTION A-A

NOTES:

1. A BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP SHALL BE USED ON PORTLAND CEMENT CONCRETE RAMPS.
2. MAINTAIN THE NORMAL PAVEMENT PROFILE THROUGHOUT THE RAMP AREA.
3. MAINTAIN A MAXIMUM 1/4" OF CURB REVEAL AT THE RAMP, SEE SECTION A-A

SIDEWALK RAMP
NOT TO SCALE
(JUNE 2012)

POST

NOTE:

POST SHALL CONFORM TO NHDOT 615.2.5.3

STEEL SIGN POST DETAIL
NOT TO SCALE
(MARCH 2008)

VARIES

STOP BAR

18" SWL

TYPICAL CROSS SECTION GRAVEL DRAINAGE ACCESS
NOT TO SCALE

DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE
(JANUARY 2012)

TURF ESTABLISHMENT SCHEDULE

PURPOSE:

TO ESTABLISH AND MAINTAIN PERMANENT AND TEMPORARY TURF AREAS, RESTORE GROWTH TO EXISTING TURF AREAS DISTURBED DURING CONSTRUCTION AND CONTROL SOIL EROSION.

PREPARATION AND EXECUTION:

1. RAKE THE SUBGRADE OF ALL AREAS TO BE LOAMED AND SEEDED TO REMOVE RUBBISH, STICKS, ROOTS AND STONES LARGER THAN 1 INCH.
2. PLACE LOAM OVER AREAS TO BE SEEDED AND SPREAD.
3. FINE GRADE SURFACE AND SURFACES OF LOW SLOPE WHERE NEEDED TO CREATE A UNIFORM SURFACE TO ACCORDING TO THE FINISH GRADINGS INDICATED. TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED. NO LOAM SHALL BE SPREAD IF THE SUBGRADE IS EXCESSIVELY WET OR FROZEN.
4. IF THE NEED FOR THE LOAM IS NOT MET, APPLY LIME EVENLY OVER LOAM SURFACE AND THOROUGHLY INCORPORATE LIME INTO THE LOAM BY HEAVY RAKING TO AT LEAST ONE-HALF THE DEPTH OF THE LOAM.
5. APPLY FERTILIZER AND MIX WITH THE UPPER 2 INCHES OF LOAM.
6. IF NECESSARY, APPROPRIATE MIXTURE OF FERTILIZER OR AREA TO BE SEEDED BASED ON EXAMINATION OF PROJECT PLANS. UNIFORMLY SPREAD THE SEED BY BROADCASTING OR HYDROSEEDING. IF BROADCASTING, LIGHTLY RAKE INTO THE PREPARED SURFACE AND ROLL. IF HYDROSEEDING, USE 4 TIMES THE RECOMMENDED RATE OF INOCULANT.
7. SEEDING IS TO BE DONE IN WET WEATHER. THE SEEDING RATE SHALL BE 10 LBS PER ACRE. SEEDING AND INITIAL FERTILIZING SHALL BE DONE BETWEEN APRIL 1 AND JUNE 1 OR BETWEEN AUGUST 15 AND OCTOBER 14, OR AS PERMITTED. SEEDING SHALL NOT BE DONE DURING WINDY WEATHER OR WHEN THE GROUND IS FROZEN, EXCESSIVELY WET OR OTHERWISE UNUSABLE.
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. AFTER HYDROSEEDING AND PRESSING OPERATIONS, ANY WASHOUTS WHICH OCCUR SHALL BE PROMPTLY REGRADED AND RESEEDED.
10. WHEN IT IS IMPRACTICAL TO ESTABLISH PERMANENT GROUND ON DISTURBED EARTH BY TOP SOIL, A TEMPORARY SEED MIXTURE SHALL BE USED. WHEN TEMPORARY SEEDING CANNOT ESTABLISH VISIBLE VEGETATION, THE DISTURBED AREA SHALL BE COVERED WITH SIX INCHES OF MULCH FOR THE WINTER.

MAINTENANCE:

ALL SEEDED AREAS SHALL BE KEPT WATERED AND IN GOOD CONDITION. RESEED AS NECESSARY TO ESTABLISH HEALTHY UNIFORM GROWTH OVER THE ENTIRE SEEDED AREA. MAINTAIN SEEDED AREAS IN AN APPROVED CONDITION UNTIL FINAL ACCEPTANCE. MAINTENANCE SHALL INCLUDE REPAIRS FOR DAMAGE CAUSED BY EROSION.

APPLICATION RATES:

1. LOAM SHALL BE APPLIED AT A MINIMUM COMPACTED THICKNESS OF 6 INCHES.
2. LIME SHALL BE USED WHEN NECESSARY TO RAISE THE pH OF THE SOIL AND APPLIED AT ONE 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

3. FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE:

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
12-2-8	16.7	1.2
12-4-8	16.7	1.2

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

CONCRETE LIGHT POLE BASE DETAIL
NOT TO SCALE
(MARCH 2008)

CONSTRUCTION DETAILS
HIGHFIELD COMMONS
PHASE 1B

MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

OWNER OF RECORD:
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SCRD, BK 7027 PG 4

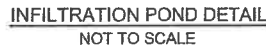
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REVISIONS

[illegible]



1. CONTRACTOR TO NOTIFY DIG-SAFE 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CUT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION AREAS TO THE EXTENT NECESSARY. ALL BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR.
3. PRIOR TO GRUBBING OF CLEARED AREA, EROSION SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS.
4. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
5. ORGANIC MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILE SHALL BE SEEDED WITH APPROPRIATE SEEDS AND COVER WITH HAY BALE IN ORDER TO PREVENT LOSS OF TOPSOIL TO EROSION.
6. CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSINGS SHALL BE PROTECTED WITH HAY BALE BARRIERS TO LIMIT EROSION.
7. CONSTRUCT CUT-OFF TRENCH (PART OF ZONE I).
8. CONSTRUCT OUTLET AND OVERFLOW STRUCTURE, CULVERT, ANTI SEEP COLLARS, HEADWALL, AND RIP RAP OUTLET PROTECTION AS SHOWN ON PLANS.
9. CONSTRUCT ZONE I PORTION OF EARTH EMBANKMENT.
10. CONSTRUCT ZONE II PORTION OF EARTH EMBANKMENT.
11. APPLY TOPSOIL TO SLOPES AND OTHER AREAS GRUBBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF 4-INCH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMED, SEEDDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF EROSION CONTROL REGULARLY TO DETERMINE IF PROBLEM AREN'T AHEAD OF ANY STAND OF GRASS AS BECOME ESTABLISHED.
12. A CERTIFIED SOIL SCIENTIST, PROFESSIONAL ENGINEER OR PROFESSIONAL GEOLOGIST MUST MEASURE THE INFILTRATION RATE OF THE AMENDED SOIL IN ACCORDANCE WITH ENV-WV 1604.14(a). THE RESULTS MUST BE SUBMITTED TO THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES WITHIN SEVEN (7) DAYS OF TESTING.
13. MAINTAIN, REPAIR, AND REPLACE TEMPORARY EROSION SILTATION BARRIERS AND EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE CONSTRUCTION AREA HAS BEEN STABILIZED (A MINIMUM OF ONE WINTER SHALL HAVE PASSED).
14. AFTER STABILIZATION, REMOVE AND SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.
15. MONITOR CONSTRUCTION ACTIVITIES TO INSURE CONSTRUCTION AREAS ARE BEING FORMED IN SUCH A WAY AS NOT TO ENDANGER THE SECURITY OF EARTH EMBANKMENTS, STORMWATER CONTROL STRUCTURE, CULVERT AND RIP RAP OUTLET PROTECTION.

ZONE I
WELL GRADED MIXTURE OF GRAVEL, SAND, SILT OR CLAY WITH
MAX. 6-INCH
SIZE STONE AND GEADATION AS INDICATED BELOW. PLACE IN
MAX. 12-INCH
THICK LIFTS TO 95% OF MAX. DRY DENSITY IN ACCORDANCE WITH
ASTM D1557.
SCARIFY SURFACE PRIOR TO PLACING SUBSEQUENT LIFT. IN
ADDITION, REMOVE ORGANIC SOILS.

ZONE II
DRAINAGE LAYER: PLACE IN MAX. 12-INCH THICK LIFTS TO 95% OF
MAX. DRY
DENSITY IN ACCORDANCE WITH ASTM D1557.

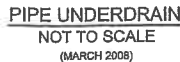
SIEVE SIZE	PERCENT BY WEIGHT PASSING
1-INCH	100
NO. 4	70-100
NO. 200	0-12 (IN SAND PORTION ONLY)

1. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE INFILTRATION BASIN.
2. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION BASIN.
3. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
4. VEGETATION SHOULD BE ESTABLISHED IMMEDIATELY.
5. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED,



1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE ROCK OR GRAVEL USED FOR FILTER OR RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE LIFT AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR RAIN EVENT. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED, OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAIL WATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.



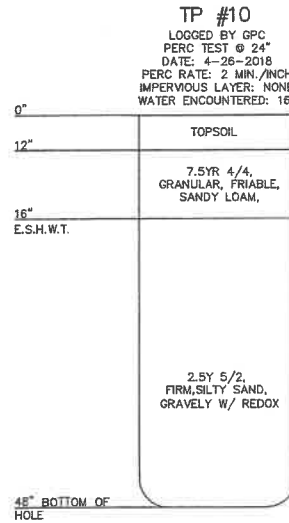
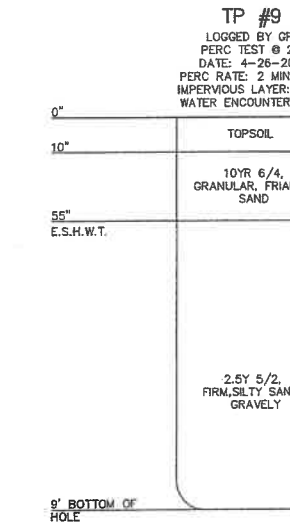
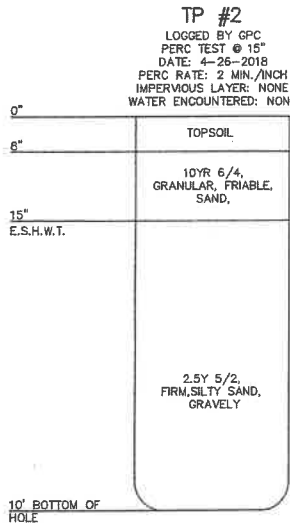
1. CONTRACTOR TO NOTIFY DIG-SAFE 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CUT AND CLEAR TREES AND BRUSH FROM CONSTRUCTION AREAS TO THE EXTENT NECESSARY. ALL BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR.
2. FENCE TO GRUBBING OF CLEARED AREAS. EROSION CONTROL MEASURES DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS.
3. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR. ORGANIC MATERIAL, SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILES SHALL BE SEEDED TO PREVENT RYE AND, IF NECESSARY, COVERED WITH HAY BALES IN ORDER TO PREVENT WIND LOSS DUE TO EROSION.
4. CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSINGS SHALL BE PROTECTED WITH HAY BALE BARRIERS TO LIMIT EROSION.
5. CONSTRUCT CUT-OUT TRENCH (PART OF ZONE I).
6. CONSTRUCT OUTLET AND OVERFLOW STRUCTURE, CULVERT, ANTI SEEP COLLARS, HEADWALL, AND RIP RAP OUTLET PROTECTION AS SHOWN ON PLANS.
7. CONSTRUCT ZONE II PORTION OF EARTH EMBANKMENT.
8. CONSTRUCT ZONE III PORTION OF EARTH EMBANKMENT.
9. APPLY TOPSOIL TO SO AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL, SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF A 4-INCH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMITED, SEEDDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF ZONE I REGULARLY TO DETERMINE IF THERE IS A NEED FOR ADDITIONAL TOPSOIL, SEED, OR MULCH.
10. A CERTIFIED SOIL SCIENTIST, PROFESSIONAL ENGINEER OR PROFESSIONAL GEOLOGIST MUST MEASURE THE INFILTRATION RATE OF THE AMENDED SOIL IN ACCORDANCE WITH ENV-WQ 1504.11(a). THE RESULTS MUST BE SUBMITTED TO THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES WITHIN SEVEN (7) DAYS OF TESTING.
11. REPAIR AND REPAIR TEMPORARY EROSION CONTROL MEASURES UPON SUCH TIME AS THE ENTIRE CONSTRUCTION AREA HAS BEEN STABILIZED (A MINIMUM OF ONE WINTER SHALL HAVE PASSED).
12. AFTER STABILIZATION, REMOVE AND SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.
13. MONITOR CONSTRUCTION ACTIVITIES TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN SUCH A WAY AS NOT TO ENDANGER THE INTEGRITY OF EARTH EMBANKMENTS, STORMWATER CONTROL STRUCTURE, CULVERT AND RIP RAP OUTLET PROTECTION.

ZONE 1
WELL GRADED MIXTURE OF GRAVEL, SAND, SILT OR CLAY WITH
MAX. 6-INCH
SIZE STONE AND GEADATION AS INDICATED BELOW. PLACE IN
MAX. 12-INCH
THICK LIFTS TO 95% OF MAX. DRY DENSITY IN ACCORDANCE WITH
ASTM D1557.
SCARIFY SURFACE PRIOR TO PLACING SUBSEQUENT LIFT. IN
ADDITION, REMOVE ORGANIC SOILS.

ZONE II
DRAINAGE LAYER: PLACE IN MAX. 12-INCH THICK LIFTS TO 85% OF
MAX. DRY
DENSITY IN ACCORDANCE WITH ASTM D1557.

SIEVE SIZE	PERCENT BY WEIGHT PASSING
1-INCH	100
NO. 4	70-100
NO. 200	0-12 (IN SAND PORTION ONLY)

1. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE INFILTRATION BASIN.
2. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION BASIN.
3. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
4. VEGETATION SHOULD BE ESTABLISHED IMMEDIATELY.
5. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

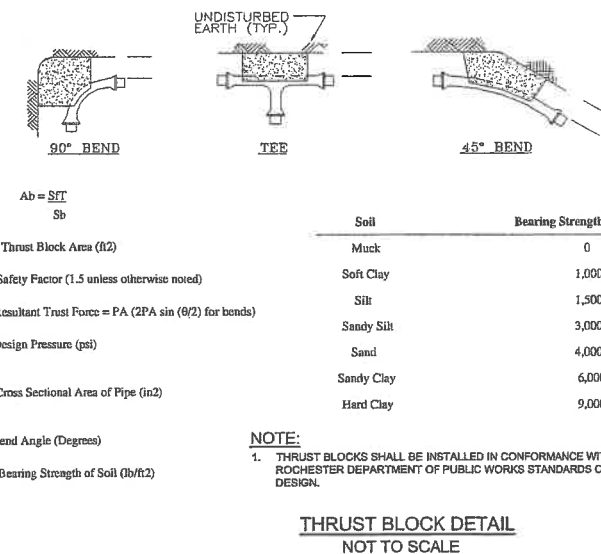
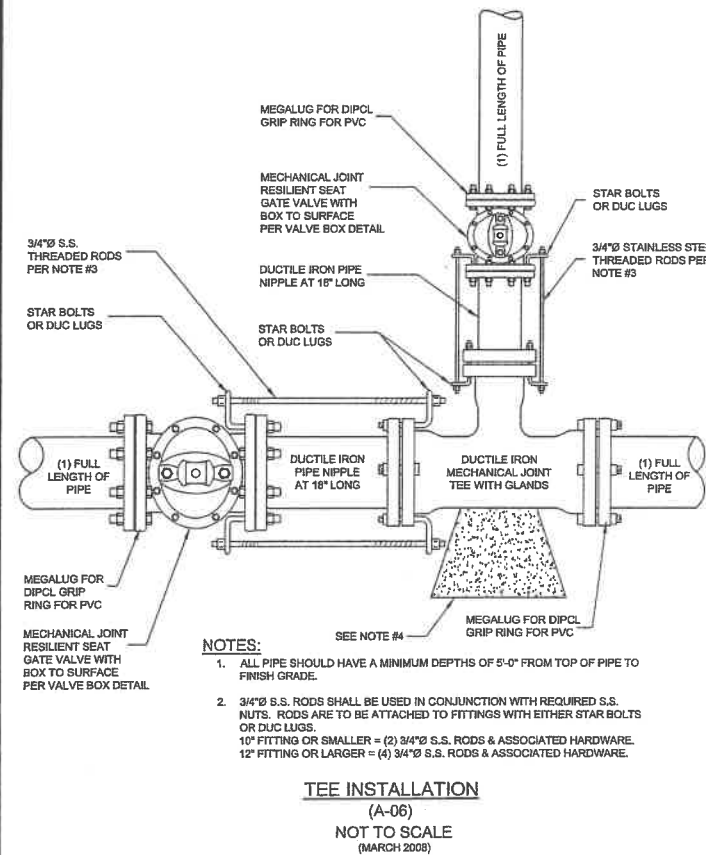
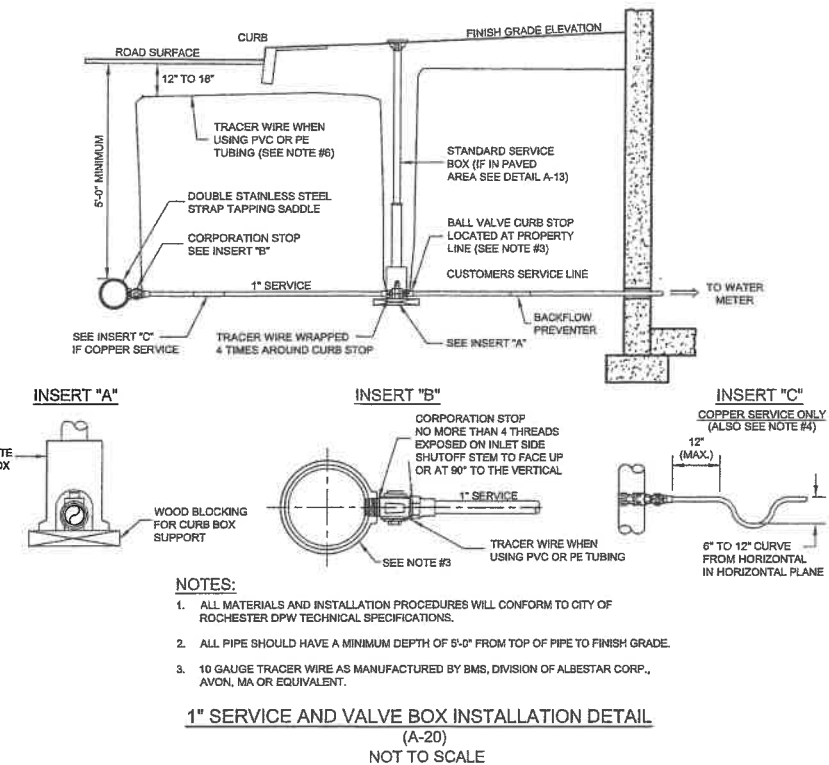
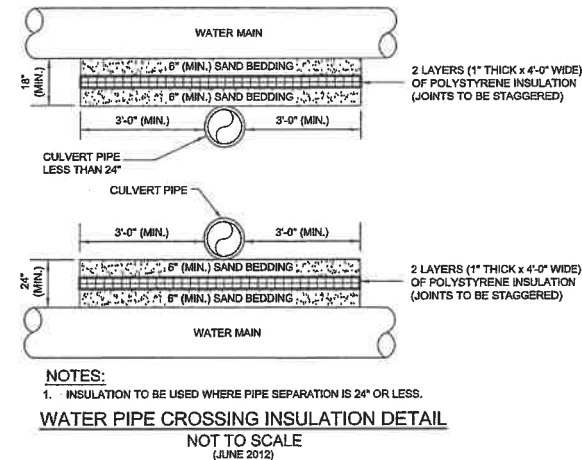
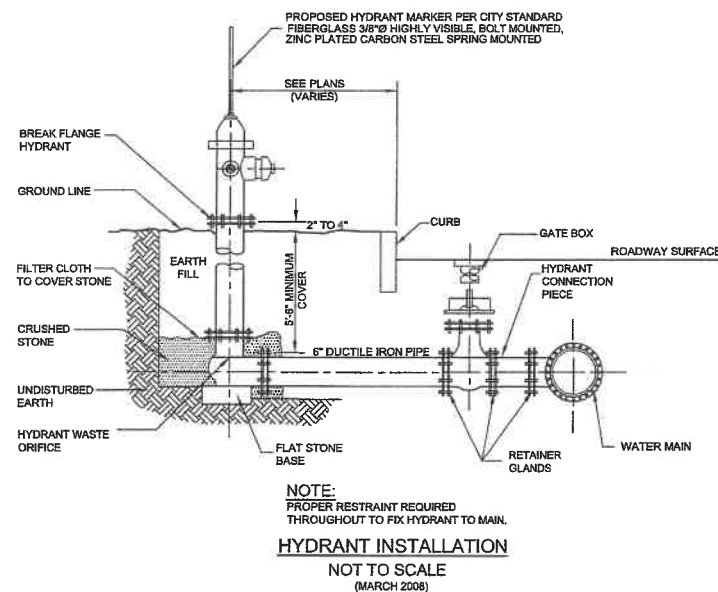
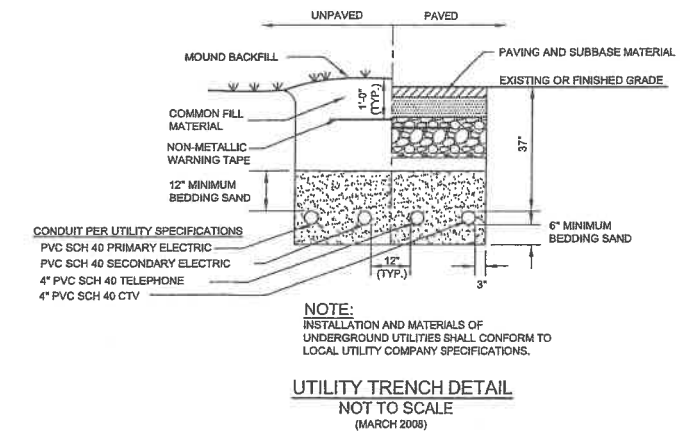
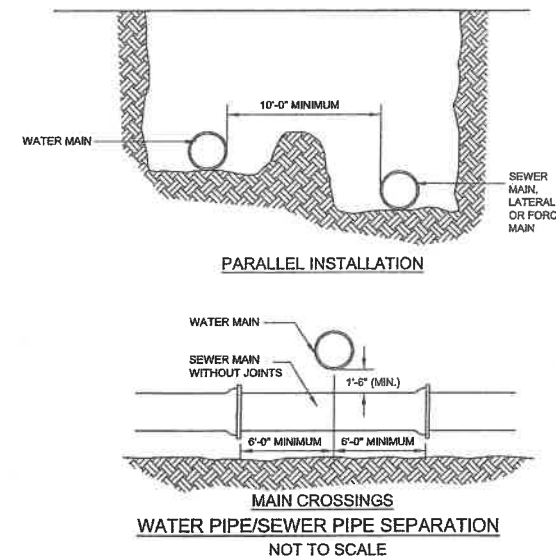
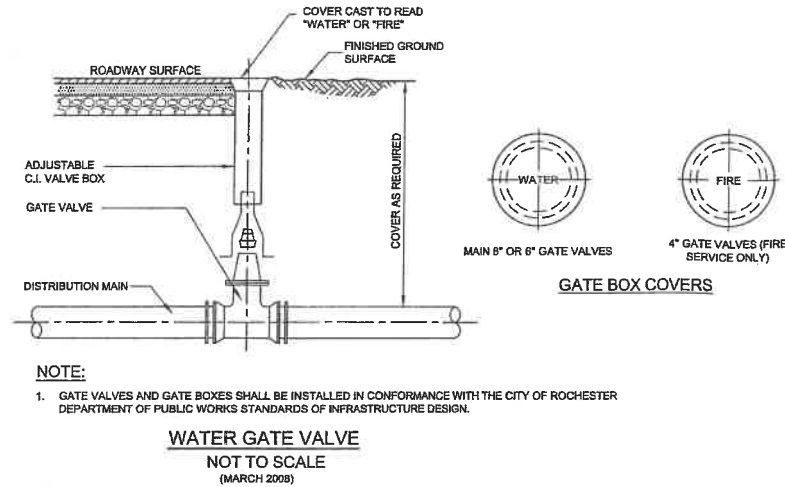
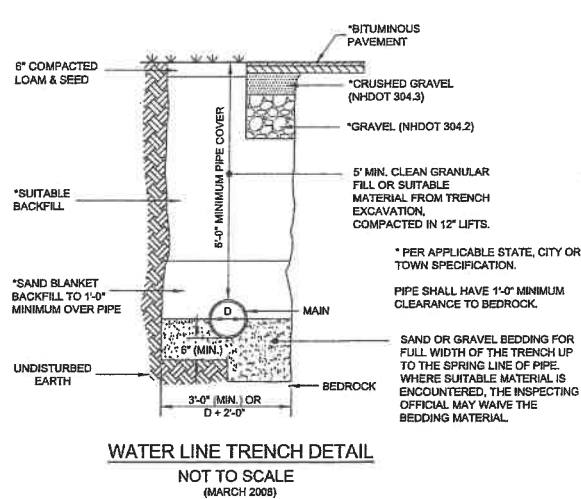


SDJ DEVELOPMENT OF ROCHESTER, LLC
c/o CHESAPEAKE DEVELOPMENT, LLC
746 D.W. HIGHWAY, UNIT B
MERRIMACK, NH 03054-2700

KEACH-NORDSTROM ASSOCIATES, INC.

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

REVISIONS			
No.	DATE	DESCRIPTION	BY
DATE: MAY 29, 2018		SCALE: AS SHOWN	
PROJECT NO: 17-0417-3		SHEET 14 OF 17	



Soil	Bearing Strength, S_b (lb/ft ²)
Muck	0
Soft Clay	1,000
Silt	1,500
Sandy Silt	3,000
Sand	4,000
Sandy Clay	6,000
Hard Clay	9,000

NOTE:
1. THRUST BLOCKS SHALL BE INSTALLED IN CONFORMANCE WITH THE CITY OF ROCHESTER DEPARTMENT OF PUBLIC WORKS STANDARDS OF INFRASTRUCTURE DESIGN.

CONSTRUCTION DETAILS
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
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

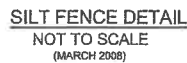
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REVISIONS

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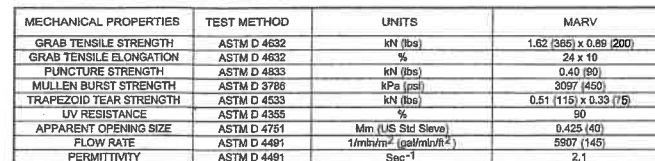
DATE: MAY 29, 2018 SCALE: AS SHOWN
PROJECT NO: 17-0417-3 SHEET 16 OF 17

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1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
3. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE OR THE STAPLES WHERE NOTED OR AS DIRECTED BY DESIGN ENGINEER.
4. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH ITS SPACING EVERY 24 INCHES AT THE TOP, MIDSECTION AND BOTTOM.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 16 INCHES, FASTENED 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 INCHES.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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



PROFILE

50'-0" (MIN.)

3'-0" (MIN.)

3" MINUS STONE BERM WHERE GRADE EXCEEDS 2% (3" TO 6" HIGH)

EXISTING PAVEMENT

FILTER CLOTH

6" (MIN.)

EXISTING GROUND

PLAN VIEW

50'-0" (MIN.)

10'-0" (MIN.)

6" (MIN.) THICKNESS OF 3" COARSE AGGREGATE

3" MINUS STONE BERM (WHERE REQUIRED)

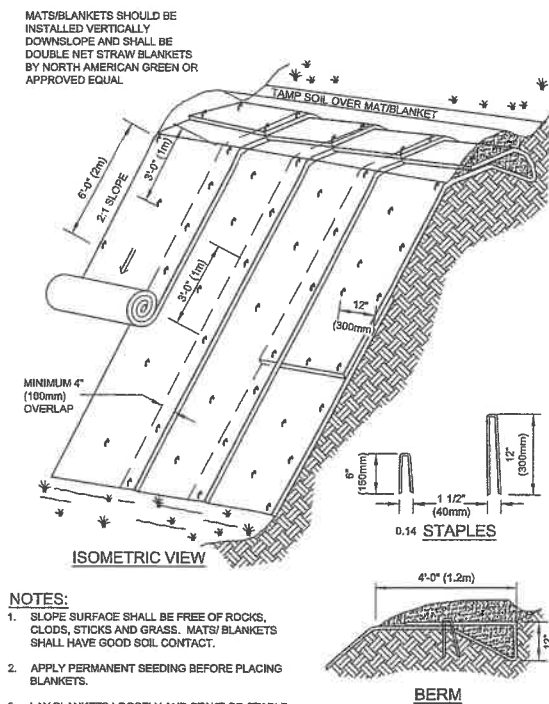
EXISTING PAVEMENT

NOT TO SCALE
(APRIL 2018)

MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTIVENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW CRUSHED STONE OR COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.

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

1. STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED 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 5 INCHES.
4. THE WIDTH OF THE EXIT SHALL NOT BE LESSER THAN THE FULL WIDTH OF THE AREA WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANUP OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. 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.



1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

NOT TO SCALE
(AUGUST 2011)

1. THE PROPOSED PROJECT IS SCHEDULED TO TAKE PLACE IN THE "DRY" SEASON AND DOES NOT ANTICIPATE ANY DETERIORATING ACTIVITIES. HOWEVER, SHOULD DETERIORATING ACTIVITIES BECOME NECESSARY DUE TO ACTUAL WET FIELD CONDITIONS, THE SITE CONTRACTOR SHALL BE REQUIRED TO PREPARE A DETERIORATING PLAN FOR APPROVAL BY THE DISTRICT AUTHORITY PRIOR TO PERFORMING ANY DETERIORATING ACTIVITIES.
2. SHOULD A DETERIORATING PLAN BE REQUIRED, THE PLAN SHALL CONTAIN THE MINIMUM ITEMS:
 - A. PLAN SKETCH: (PREPARED TO SCALE - INDICATING THE FOLLOWING)
 - ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL BARRIERS
 - BYPASS CHANNEL OR PIPE LOCATION, ELEVATION, SIZE, AND MATERIAL TYPE
 - PUMP SIZE, TYPE, LOCATION, OPERATING PARAMETERS (POWER, CAPACITY)
 - INTAKE LINE - SIZE & LOCATION
 - TEMPORARY IMPOUNDMENT VOLUME
 - DISCHARGE LINE - SIZE AND LOCATION
 - TEMPORARY DISCHARGE SCOUR PROTECTION
 - B. OPERATIONS & EMERGENCY CONTACT LIST: (NAME, ADDRESS, PHONE)
 - CONTRACTOR AND TOWN OFFICIALS (HIGHWAY AGENT, FIRE, POLICE, RESCUE)
 - C. DETERIORATING SCHEDULE:
 - ANTICIPATED START DATE AND END DATE
 - DAILY HOURS OF OPERATION
 - D. CONTINGENCY PLAN

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

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. ASHTO - A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, LATEST EDITION.
5. FHWA - THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

1. CONTRACTOR TO NOTIFY DGS-FAF 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. PRIOR TO GRUBBING OF CLEARED AREAS, ALL SILTATION BARRIERS DESIGNED FOR USE AS TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON PROJECT PLANS. INSTALL STABILIZED CONSTRUCTION EXIT AT LOCATION OF CONSTRUCTION ACCESS AT LOCATION OF INTERSECTION WITH EXISTING PAVEMENT.
3. CLEAR TRAIL AND CLEAR TRAIL ADJACENT AREAS OF ALL STUMP REMAINS, LIMBS, BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF BY CONTRACTOR. THIS PROJECT IS MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:33 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
4. COMPLETE GRUBBING OPERATIONS UNDER THE ROADWAY AND SLOPE SECTIONS . ALL STUMPS AND SIMILAR DEBRIS SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR. ALL REMAINING MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILES SHALL BE SEEDDED WITH WINTER RYE AND, IF NECESSARY, SURROUNDED WITH HAY BALES IN ORDER TO PREVENT LOSS DUE TO EROSION.
5. CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CULVERTS SHALL BE PROTECTED WITH HAY BALES DIRECTING FLOW TO LIMIT EROSION.
6. STABILIZE ALL DITCHLINES AND PONDS PRIOR TO DIRECTING FLOW INTO THEM. CONSTRUCT DRAINAGE SYSTEM SEWER AND OTHER SUBSURFACE UTILITIES.
7. COMMENCE CONSTRUCTION OF ROADWAY. PERFORM EXCAVATION ACTIVITIES REQUIRED TO ACHIEVE SUBGRADE ELEVATION. ALL EXCAVATED EMBANKMENTS, DITCHES, SWALES AND ROADWAY CROSS CULVERTS SHALL BE PROTECTED AND STABILIZED WITH TOPSOIL AND DITCHLINES SHALL BE PROTECTED WITH TOPSOIL.
8. IMPLEMENTATION OF HAY BALE SILTATION FENCES AS SHOWN ON PROJECT PLANS. DIVERT STORMWATER RUNOFF THROUGH THE USE OF TEMPORARY CULVERTS, OR OTHER MEANS NECESSARY PRIOR TO THE COMPLETIONS OF A FUNCTIONAL STORM DRAINAGE SYSTEM. SLOPES AND EMBANKMENTS SHALL BE STABILIZED BY TRACKING AND SEEDING WITH WINTER RYE. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED UNTIL STABILIZED PRIOR TO HAVING RUNOFF DIRECTED TO THEM.
9. COMPLETE CONSTRUCTION OF ROADWAY EMBANKMENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.
10. TOPSOIL TO ROADWAY SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF A 4-INCH COMPACTED THICKNESS. UPON COMPLETION OF TOPSOILING, FINISHED SECTIONS ARE TO BE LIMED, SEEDDED AND MULCHED. CONSTRUCTION PERSONNEL SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF VEGETATION IS ESTABLISHED.
11. PERFORM FINE GRADING OF ROADWAY BASE MATERIALS.
12. MAINTAIN, REPAIR AND REPLACE AS NECESSARY TEMPORARY EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE CONSTRUCTION AREA HAS BEEN STABILIZED (A MINIMUM OF ONE WINTER SHALL HAVE PASSED).
13. STABILIZATION, REPAIR AND REPLACE AS NECESSARY TEMPORARY EROSION CONTROL MEASURES.
14. MONITOR CONSTRUCTION ACTIVITIES ON INDIVIDUAL LOTS TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN SUCH A WAY AS NOT TO ENDANGER THE INTEGRITY OF ROADWAY EMBANKMENTS, STORMWATER SYSTEMS AND UTILITIES. ALL DRIVEWAYS ACROSS DITCHLINES SHALL HAVE CULVERTS INSTALLED IN ACCORDANCE WITH PERMITS REQUIREMENTS.
15. 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.

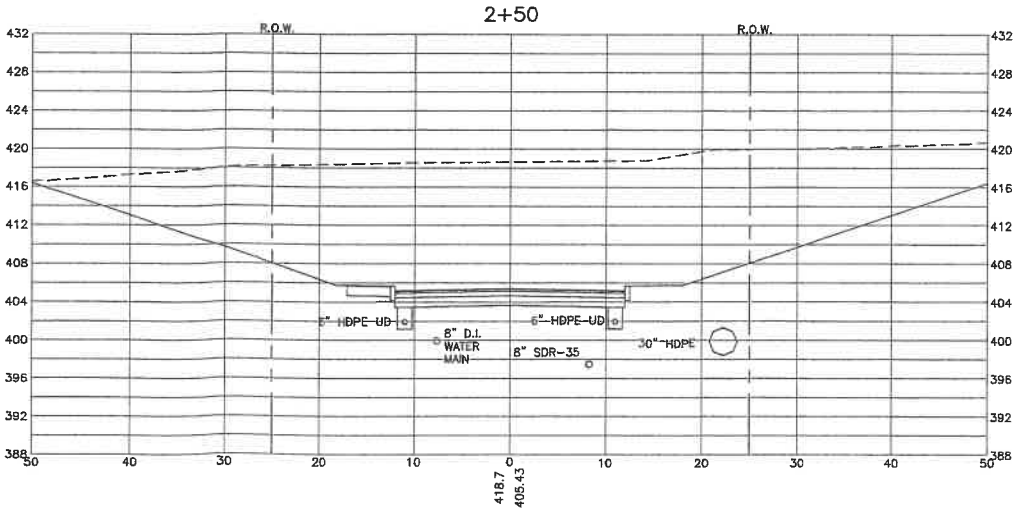
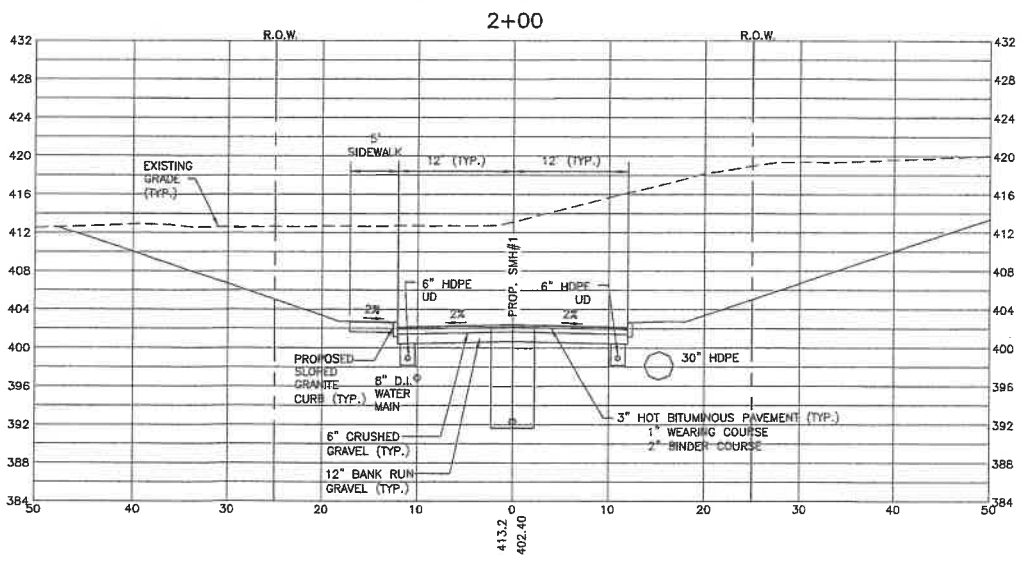
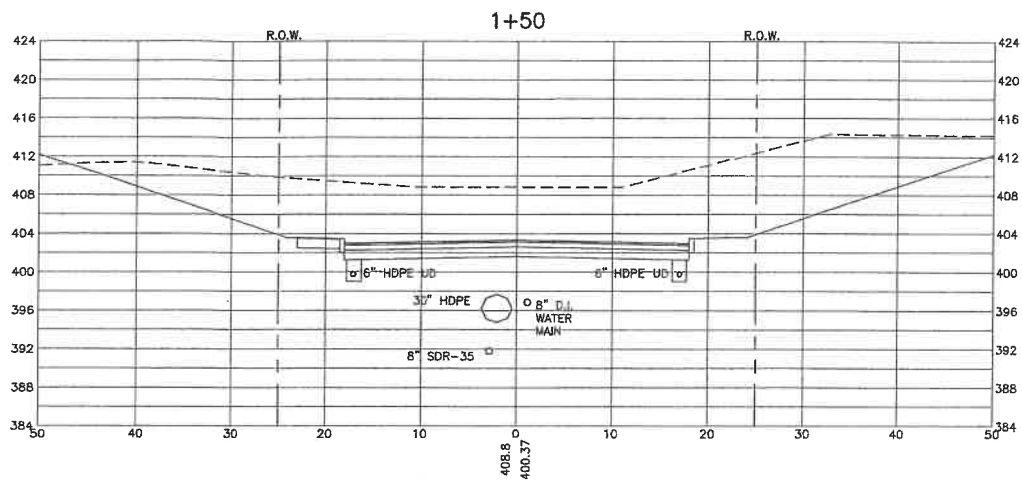
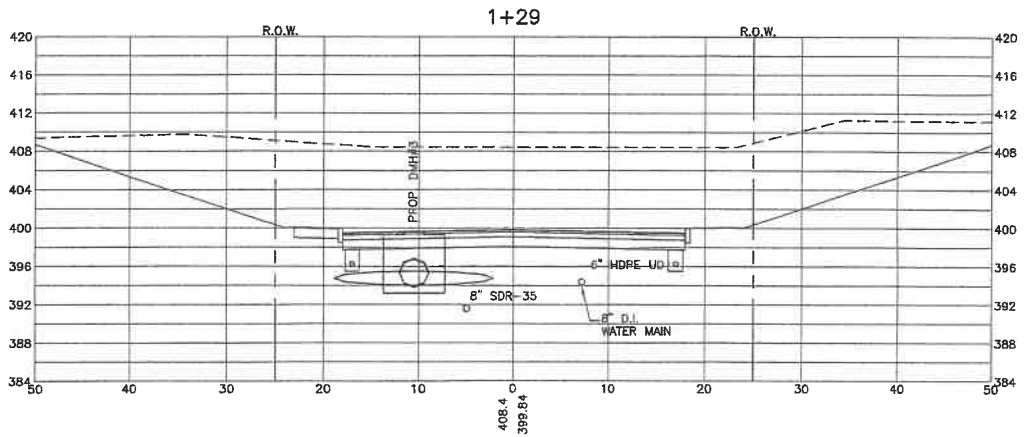
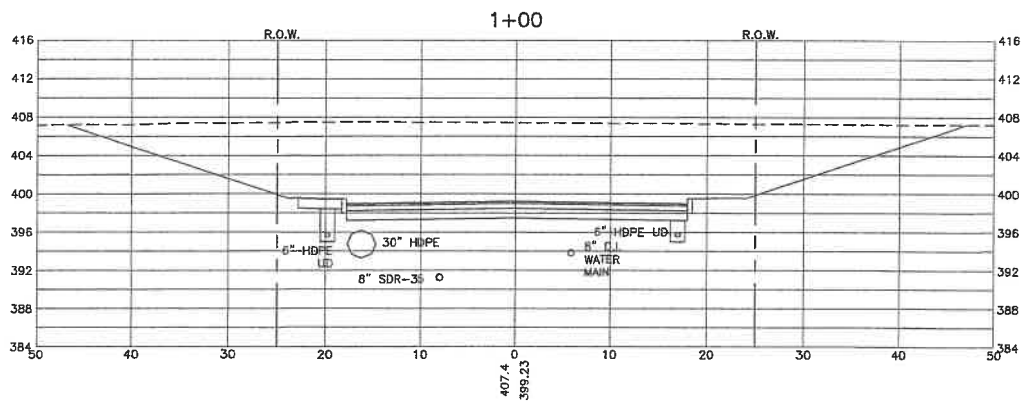
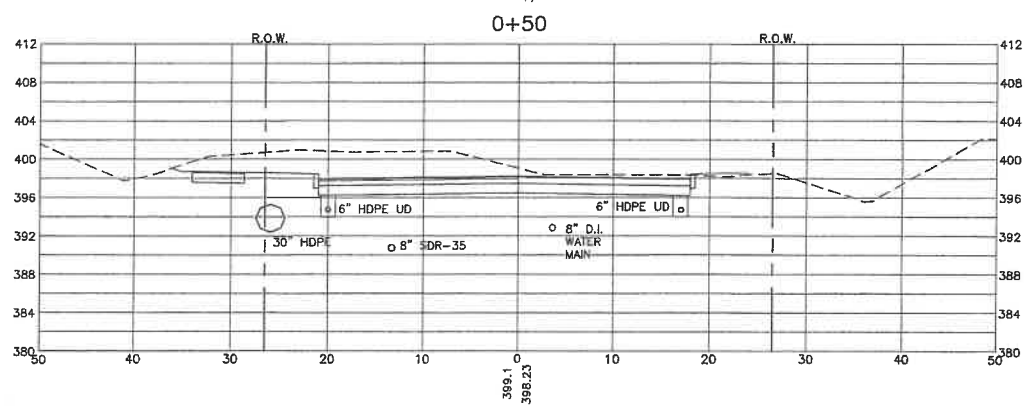
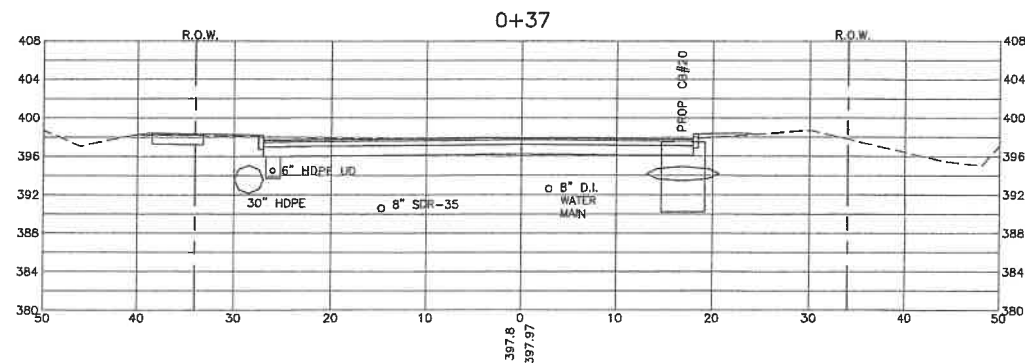
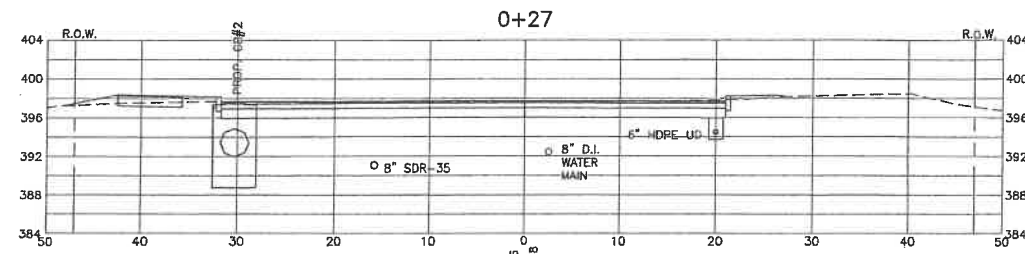
1. EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. AT NO TIME SHALL MORE THAN FIVE (5) ACRES OF SITE AREA BE AN UNSTABLE CONDITION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING THIRTY (30) CALENDAR DAYS.
2. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD OPERATION OF THE INDIVIDUAL SITE CONTRACTOR, MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OF RAINFALL OR MORE. THEY SHALL BE CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD.
3. ALL DISTURBED AREAS DESTINATED TO BE TURF, SHALL RECEIVE A MINIMUM APPLICATION OF 4 INCHES OF LOAM (COMPACTED THICKNESS), PRIOR TO FINAL SEEDING AND MULCHING.
4. ALL SWALES AND DITCHLINES SHALL BE PERIODICALLY CLEANED OF DEPOSITED SEDIMENT SO AS TO MAINTAIN AN EFFECTIVE GRADE AND CROSS SECTION. ALL SWALES AND DITCHLINES SHALL BE FULLY STABILIZED PRIOR TO STORMWATER DIVERTING TOWARD THEM.
5. IN THE EVENT THAT, DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE ALL INCOMPLETE WORK AND PROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.
6. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. BASE COLOR OF GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 80% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR
 - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
7. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD, IN ACCORDANCE WITH EPIVA 1000.
8. IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.
9. AREAS HAVING FINISH SLOPES OF 3 : 1 OR STEEPER, SHALL BE STABILIZED WITH JUTE MATTING WHEN AND IF FIELD CONDITIONS WARRANT, OR IF SO ORDERED. JUTE MATTING INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL "EROSION AND SEDIMENT 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 ROADWAYS AND PARKING AREAS SHALL BE ESTABLISHED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
12. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

1. ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 4:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL, BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS OR MULCH AND NETTING TO MEET THE DESIGN FLOW CONDITIONS.
3. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURF SHALL BE PROPERLY FLOATED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NDOT ITEM 304.3 OR, IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON, BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.
4. AN AFTERCARE SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR
 - D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

<u>OWNER OF RECORD:</u> 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	<u>APPLICANT:</u> SDJ DEVELOPMENT OF ROCHESTER, LLC c/o CHESAPEAKE DEVELOPMENT, LLC 746 D.W. HIGHWAY, UNIT B MERRIMACK, NH 03054-2700
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**CROSS SECTIONS
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
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

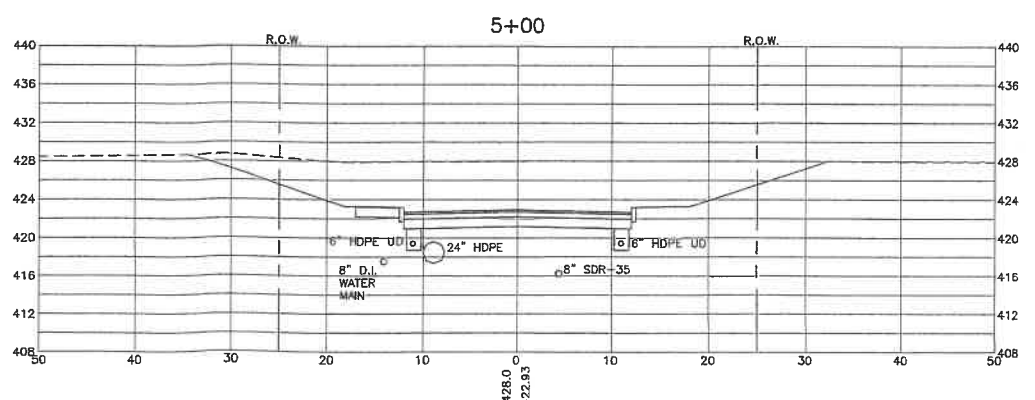
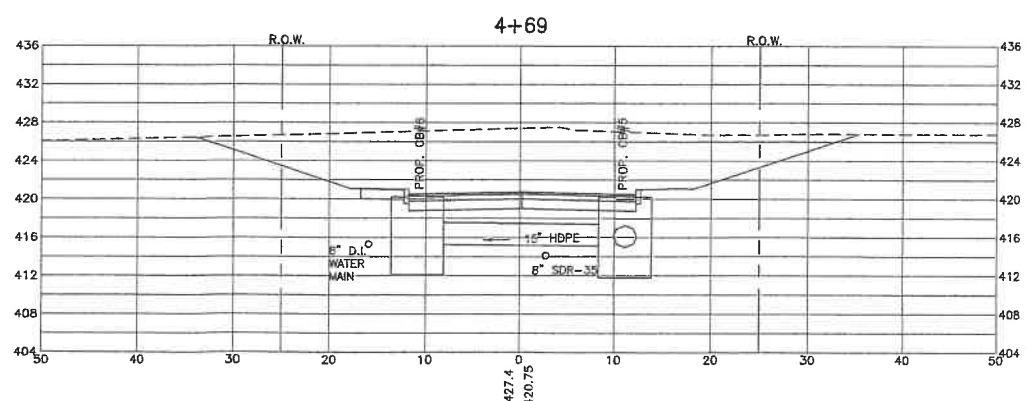
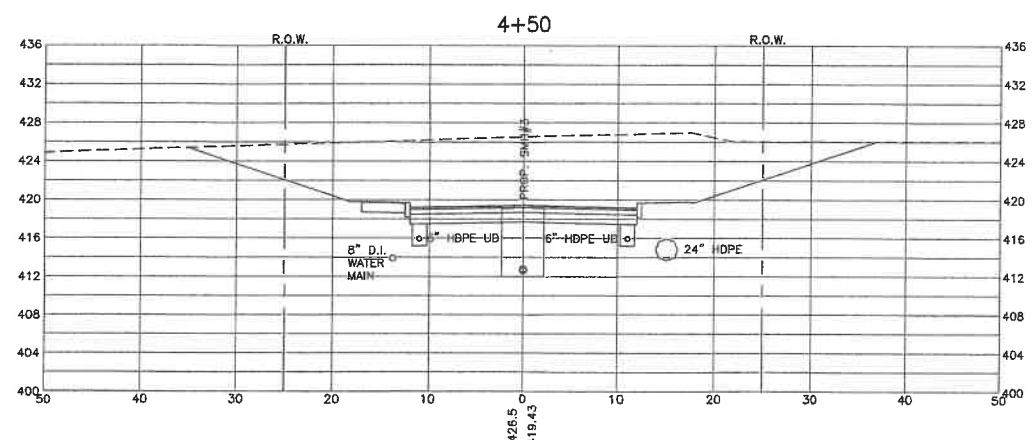
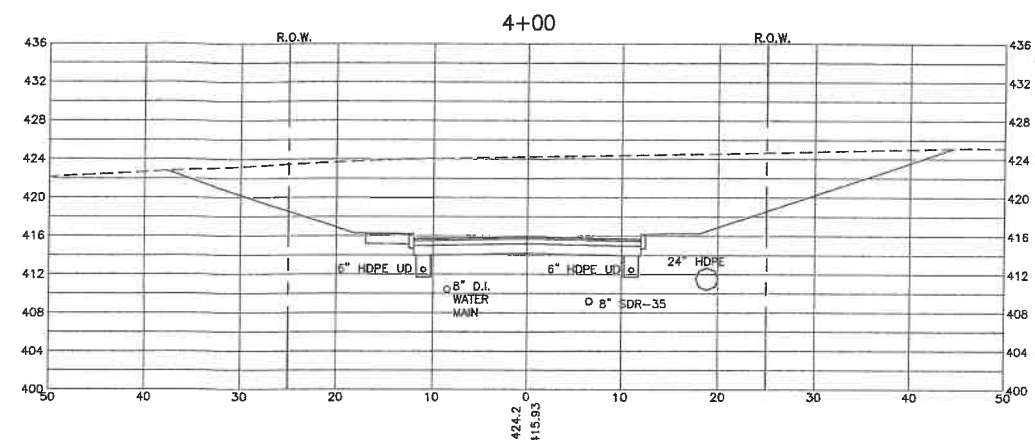
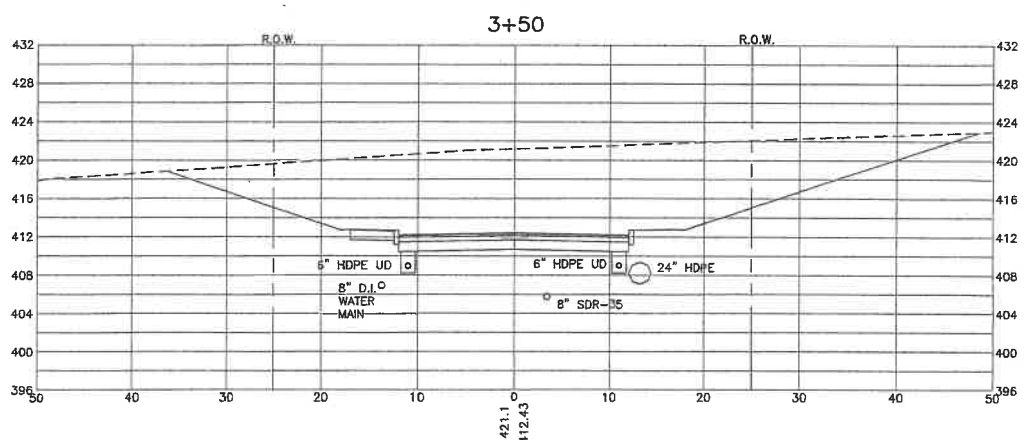
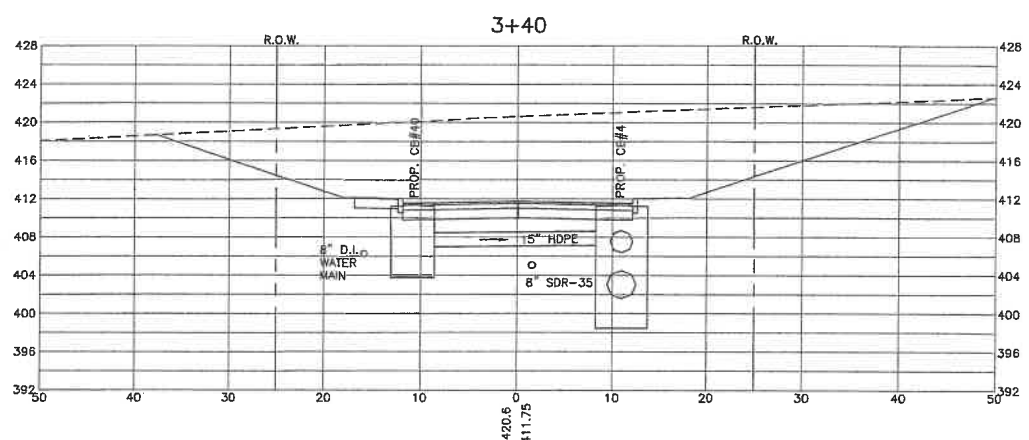
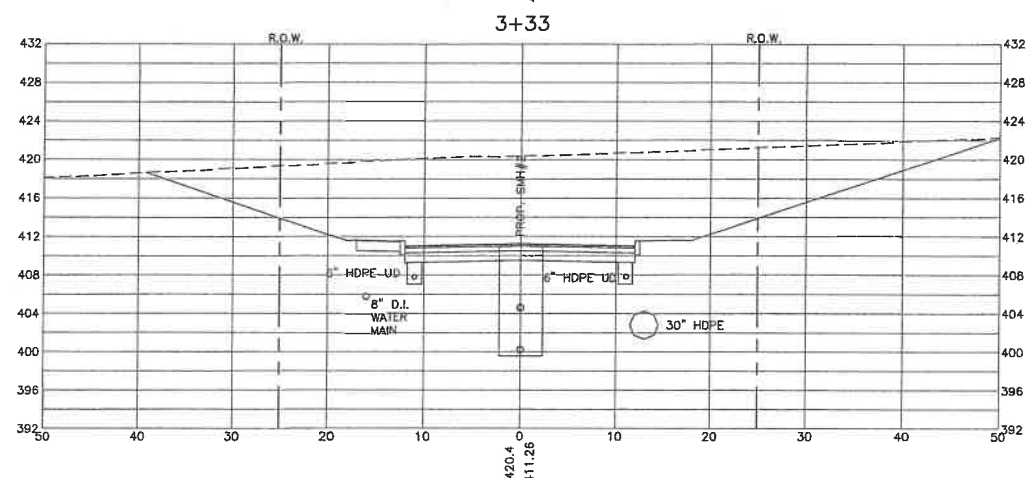
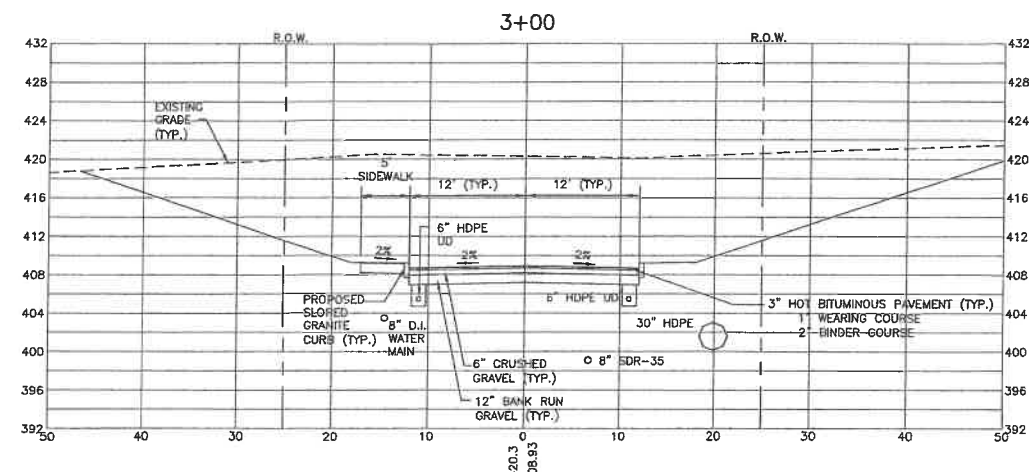
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REVISIONS			
No.	DATE	DESCRIPTION	BY

DATE: MAY 29, 2018 SCALE: 1" = 10'
PROJECT NO: 17-0417-3 SHEET X1 OF X4



CROSS SECTIONS
HIGHFIELD COMMONS
PHASE 1B

MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

OWNER OF RECORD:
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S.C.R.D. BK. 3927 PG. 453

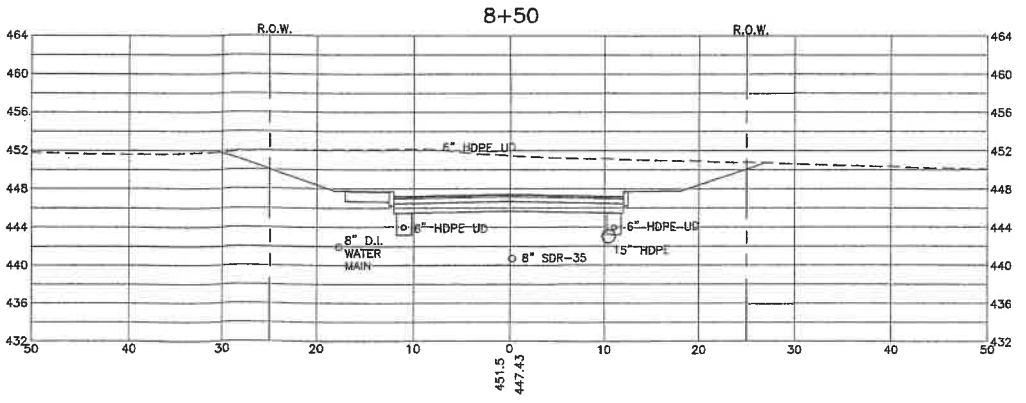
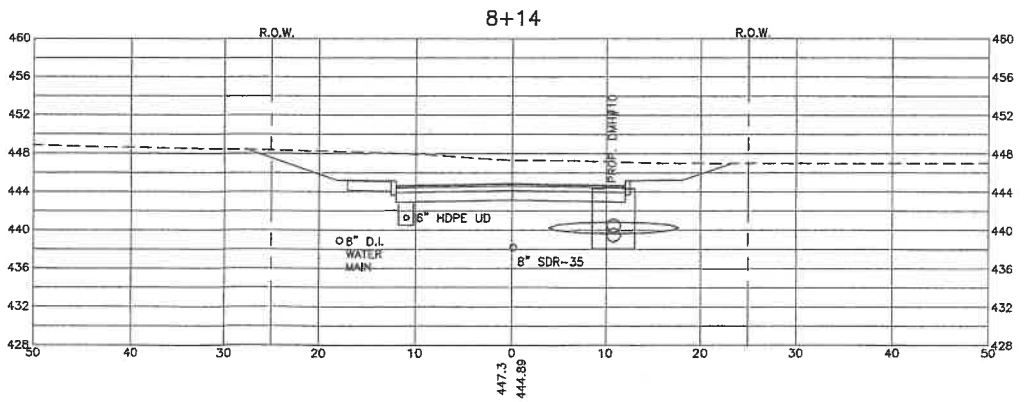
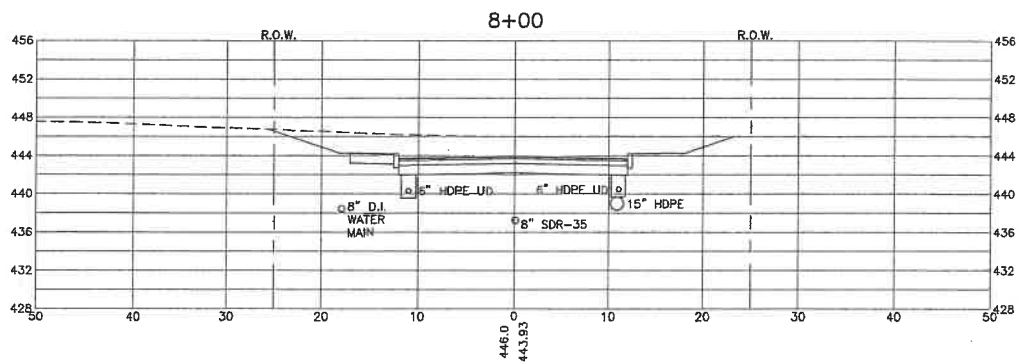
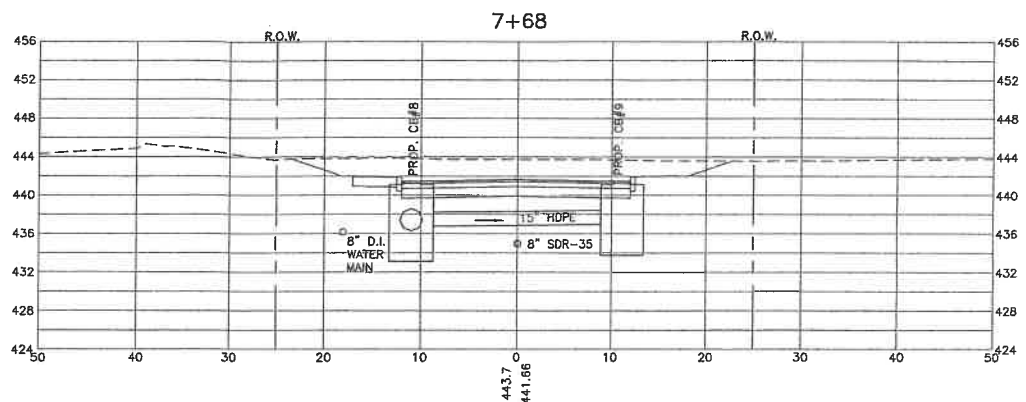
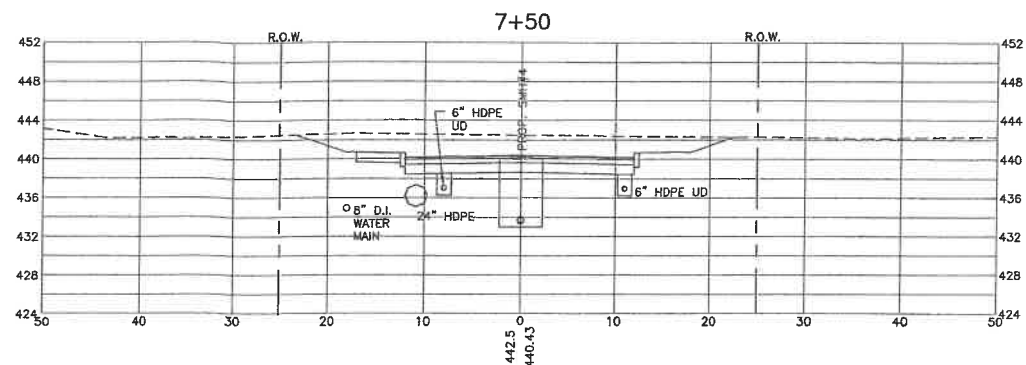
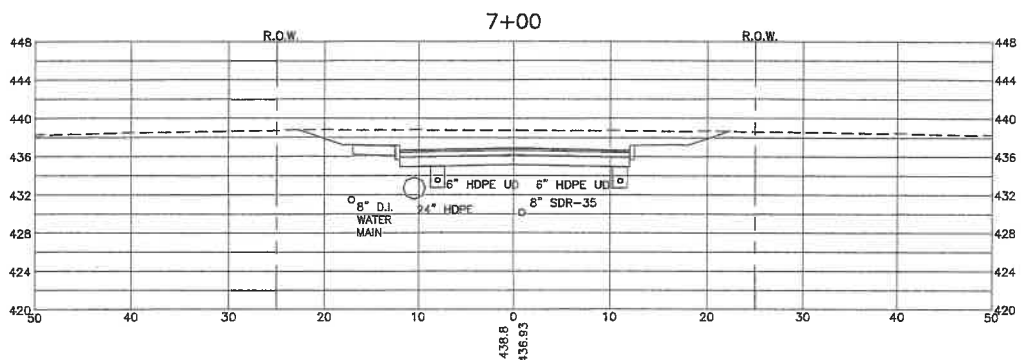
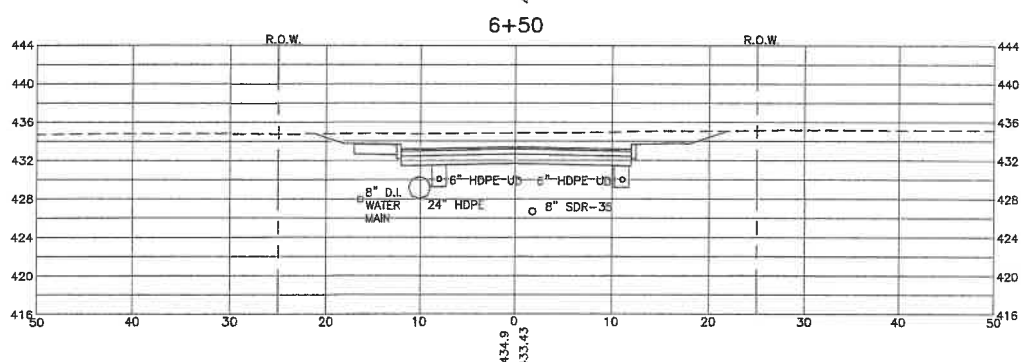
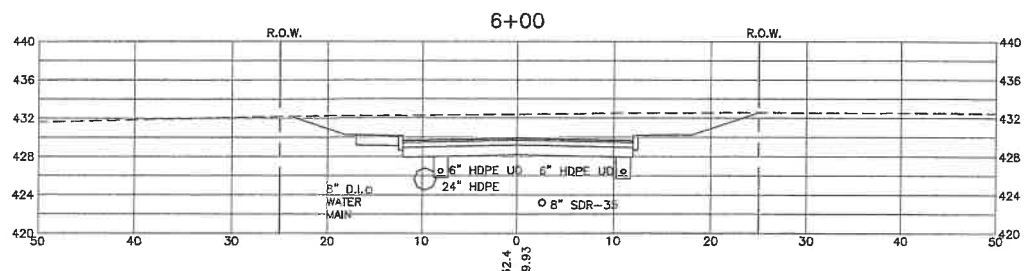
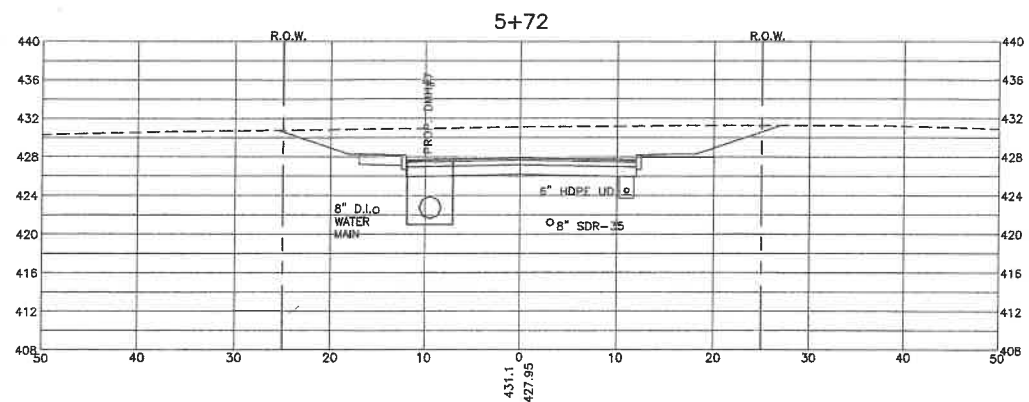
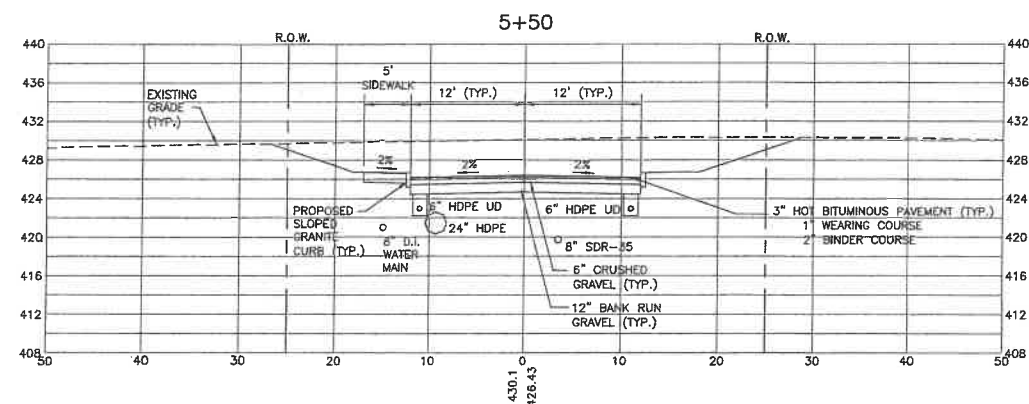
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No.	DATE	DESCRIPTION	BY
DATE: MAY 29, 2018		SCALE: 1" = 10'	
PROJECT NO: 17-0417-3		SHEET X2 OF X4	



CROSS SECTIONS
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

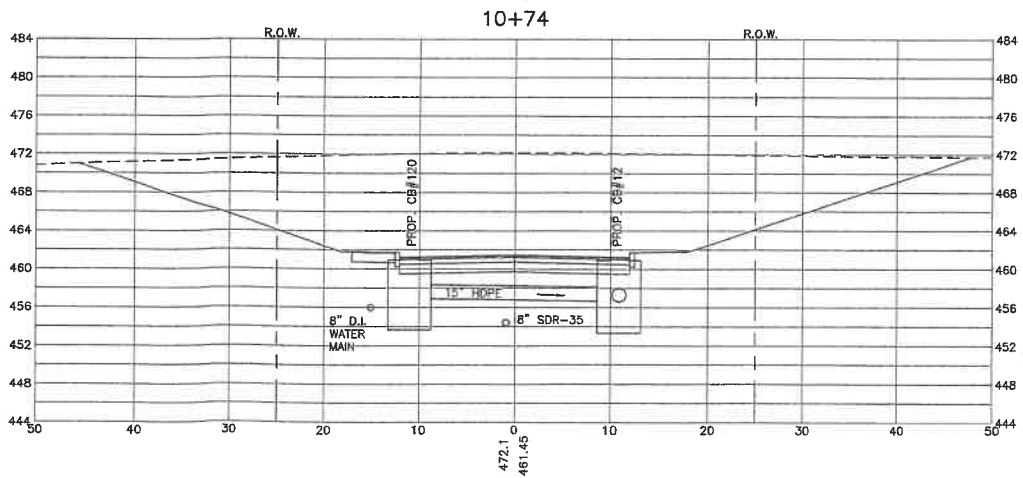
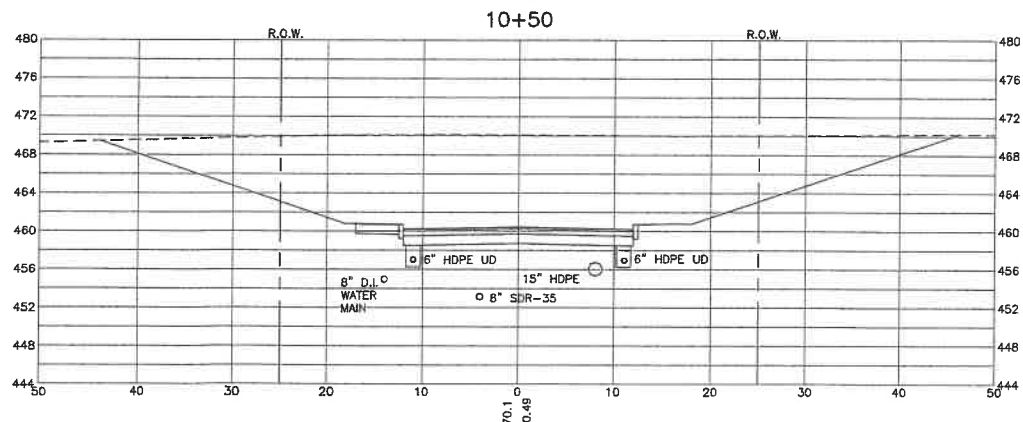
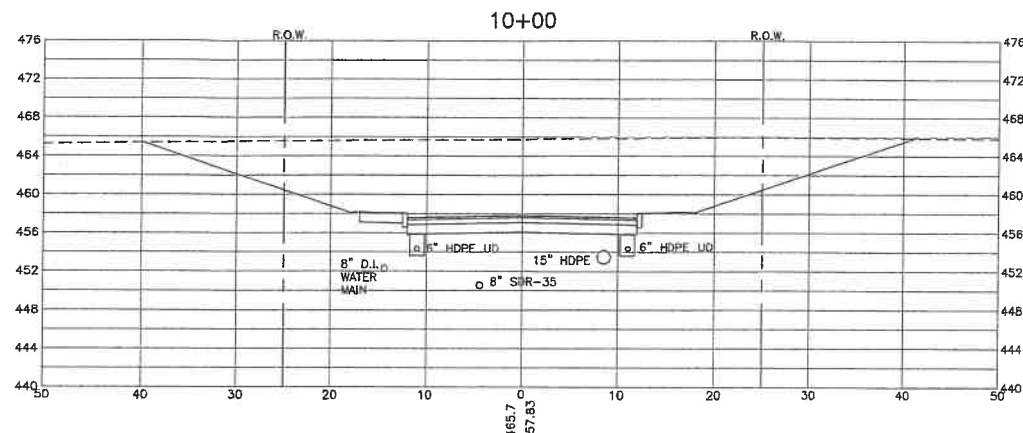
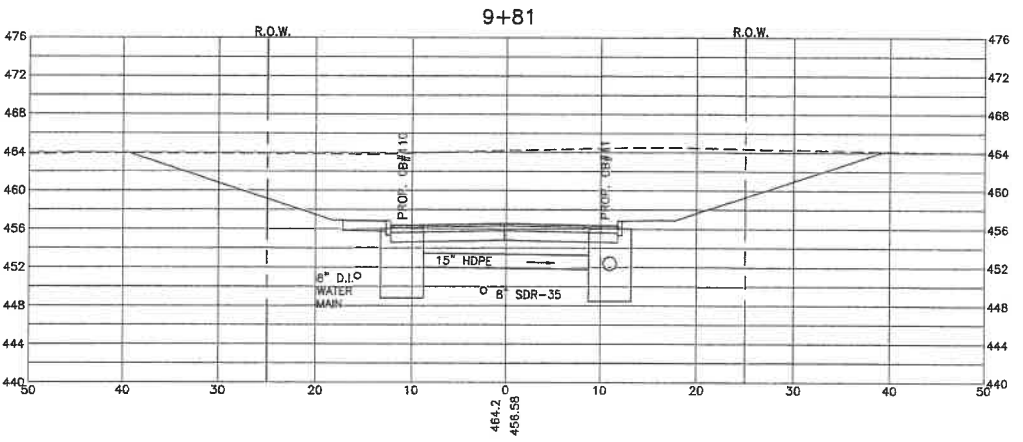
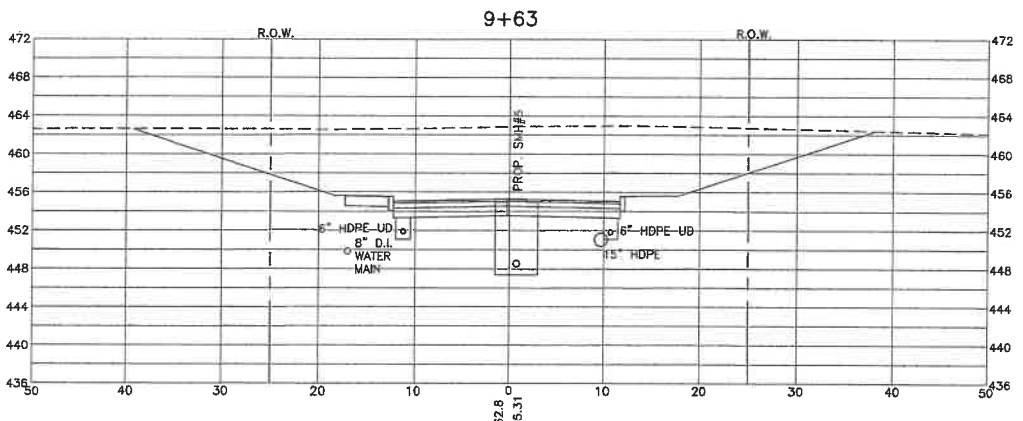
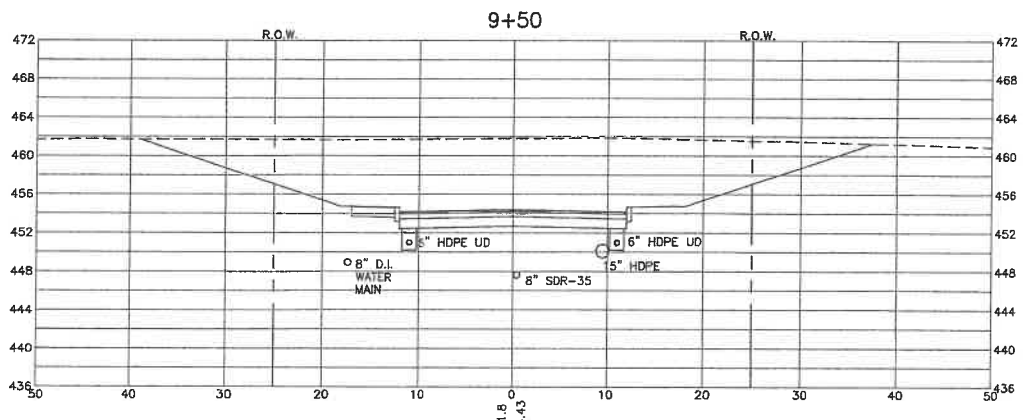
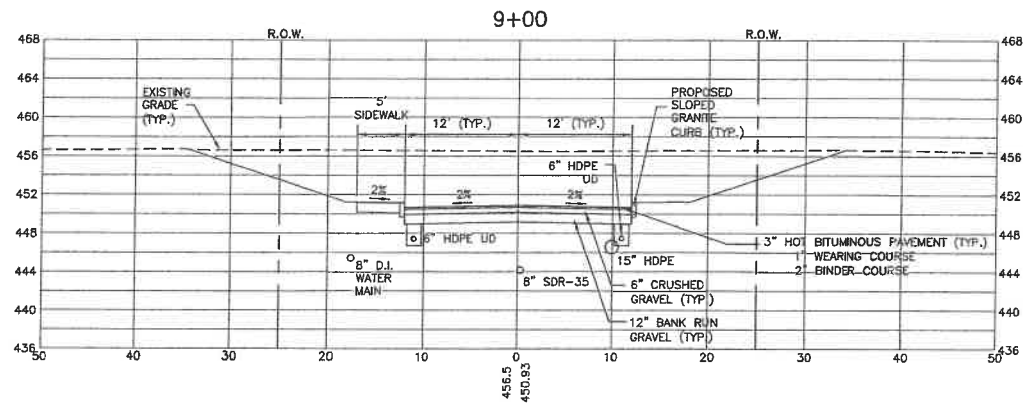
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Commerce Park North, Suite 3E, Bedford, NH 03110 Phone (603)

REVISIONS		
No.	DATE	DESCRIPTION
DATE: MAY 29, 2018		SCALE: 1" = 10'
PROJECT NO: 17-0417-3		SHEET X3 OF X4





CROSS SECTIONS
HIGHFIELD COMMONS
PHASE 1B
MAP 237 LOTS 3 & 8
FILLMORE BOULEVARD
ROCHESTER, NEW HAMPSHIRE
STRAFFORD COUNTY

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REVISIONS			
No.	DATE	DESCRIPTION	BY

DATE: MAY 29, 2018 SCALE: 1" = 10'
PROJECT NO: 17-0417-3 SHEET X4 OF X4