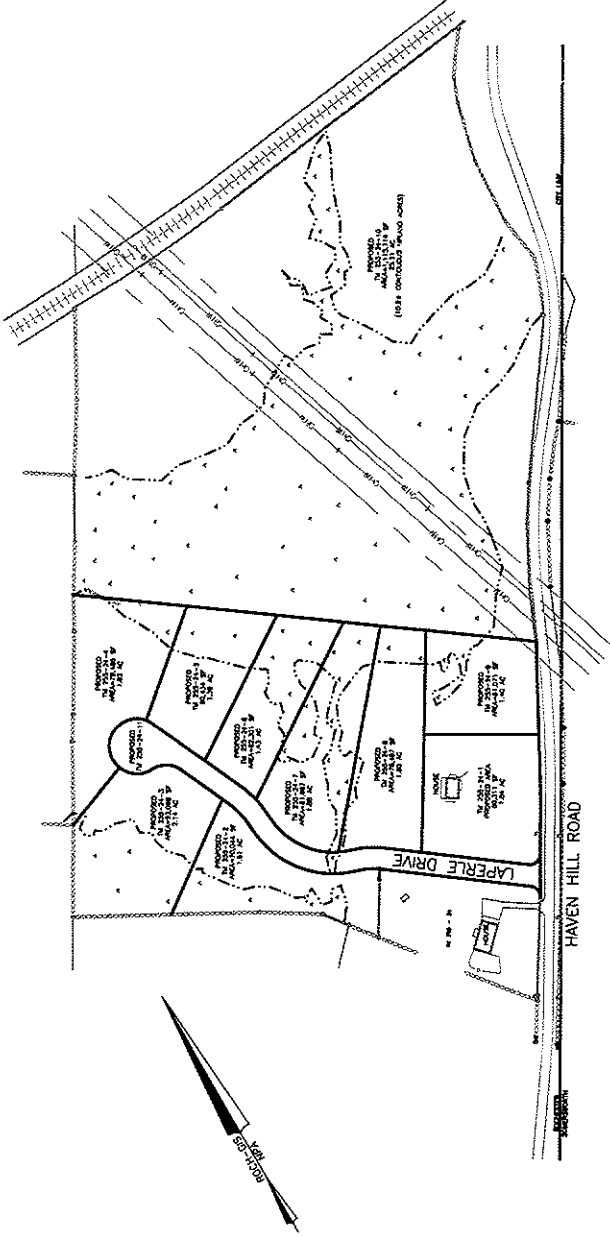
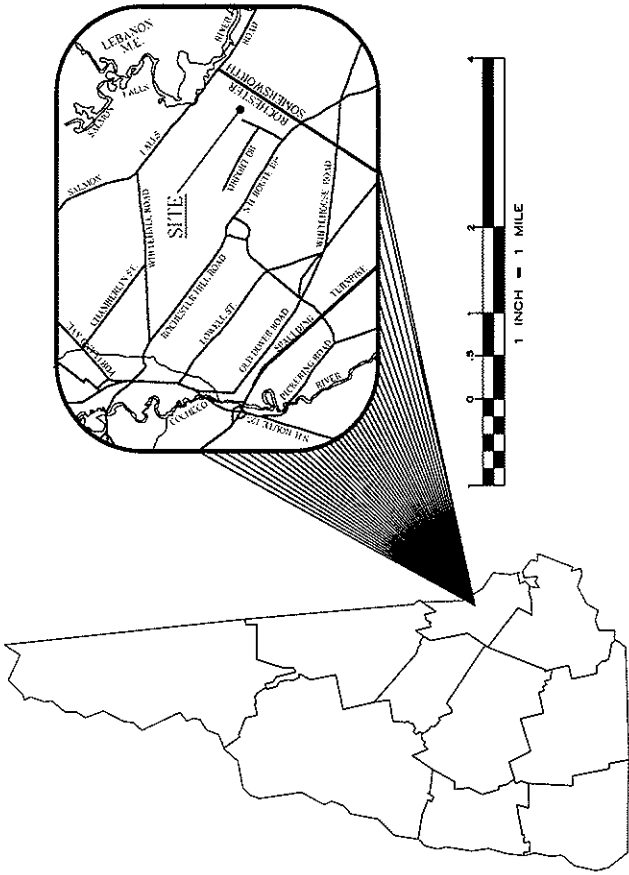




LAPERLE SUBDIVISION
52 HAVEN HILL ROAD
PREPARED FOR
LAPERLE FAMILY REVOCABLE TRUST
MARCH 2017

RECEIVED
MAR 30 2018
Planning



OVERALL SITE
1" = 200'

CIVIL ENGINEERS

NORWAY PLAINS ASSOCIATES, INC.
2 CONTINENTAL BOULEVARD
ROCHESTER, NEW HAMPSHIRE 03867
(603) 335-3948

OWNER OF RECORD/APPLICANT

TM 255-24-1
LAPERLE FAMILY REVOCABLE TRUST
28 COPPERLINE ROAD
EPSOM, NH 03234
SCRD BOOK 2201 PAGE 342

STATE AND FEDERAL PERMITS:
STATE OF NEW HAMPSHIRE PERMIT NUMBERS:
NPDES ALTERATION OF TERRAIN: NOT REQUIRED
NPDES CONSTRUCTION PERMIT: NOT REQUIRED
NPDES DRAINAGE PERMIT: NOT REQUIRED
NPDES SUBDIVISION PERMIT: NOT REQUIRED
NPDES SURFACE SYSTEMS PERMIT: SA2017070701
NPDES WASTEWATER PERMIT: NOT REQUIRED
NPDES WASTEWATER/VENTILATION PERMIT: NOT REQUIRED
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES):
NPDES PERMITS ARE ONLY REQUIRED FOR PROJECTS MEETING THE DISTURBED AREA CRITERIA BELOW AND HAVING A POINT SOURCE OF WASTEWATER DISCHARGE FROM THE PROJECT SITE TO A WETLAND, CREEK, STREAM OR RIVER.
NPDES PERMIT: REQUIRED
NPDES PERMITS CONSIST OF A NOTICE OF INTENT (NOI) FILED WITH THE ENVIRONMENTAL PROTECTION AGENCY AT LEAST 14 DAYS PRIOR TO CONSTRUCTION COMMENCING AND A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEING PREPARED, KEPT ON SITE AND FOLLOWED BY THE CONTRACTOR.
FOR STATUS OF THIS PERMIT, CONTACT THE PROJECT GENERAL CONTRACTOR.

SHEET INDEX	
COVER	AS SHOWN
S-1 OVERALL SUBDIVISION OF LAND	1" = 100'
S-2 SUBDIVISION PLAN	1" = 60'
S-3 TOPOGRAPHIC SUBDIVISION PLAN	1" = 60'
E-1 EXISTING FEATURES PLAN	1" = 100'
C-1 OVERALL ROADWAY PLAN	1" = 50'
C-2 GRADING AND DRAINAGE PLAN	1" = 50'
C-3 EROSION & SEDIMENTATION CONTROL PLAN	1" = 50'
C-4 ROADWAY PROFILE	1" = 50'
C-5 CONSTRUCTION DETAILS	AS SHOWN
C-6 DRAINAGE DETAILS	AS SHOWN
C-7 INFILTRATION BASIN & TREATMENT SWALE DETAIL	AS SHOWN
C-8 GUARDRAIL DETAIL	AS SHOWN
C-9 EROSION AND SEDIMENTATION	AS SHOWN
C-10 CONTROL DETAILS	AS SHOWN
C-11 PERMANENT EROSION & SEDIMENTATION CONTROL	AS SHOWN

FINAL APPROVAL BY

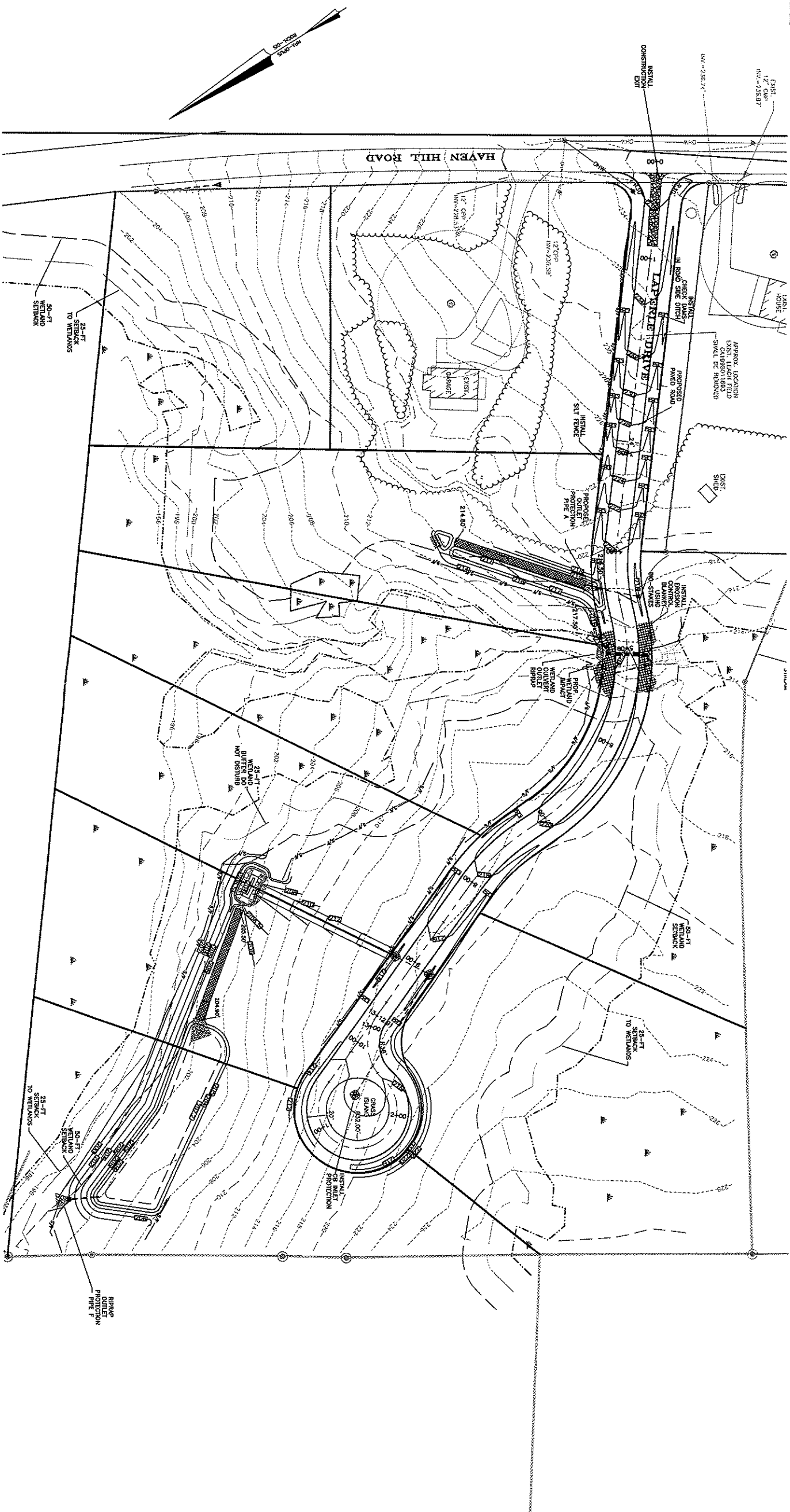
ROCHESTER PLANNING BOARD

CERTIFIED BY: [Signature] DATE: 4/11/18

ROD # 115-80481

CIVIL ENGINEERS

REVISION: PER THE COMMENT DATED 5/16/17
PER PLANNING BOARD COMMENT DATED 4/5/17



TAX MAP 255, LOT 24-1
52 HAVEN HILL RD.

PREPARED FOR:

LAPERLE FAMILY TRUST

2 CONTINENTAL BLVD., ROCHESTER, NH 603-335-3948

C-3

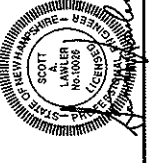
FILE NO. 249
PLAN NO. C-2829
DWG. NO. 16186/S-1
F.B. NO.

31 MOONEY STREET, ALTON, NH 603-875-3948

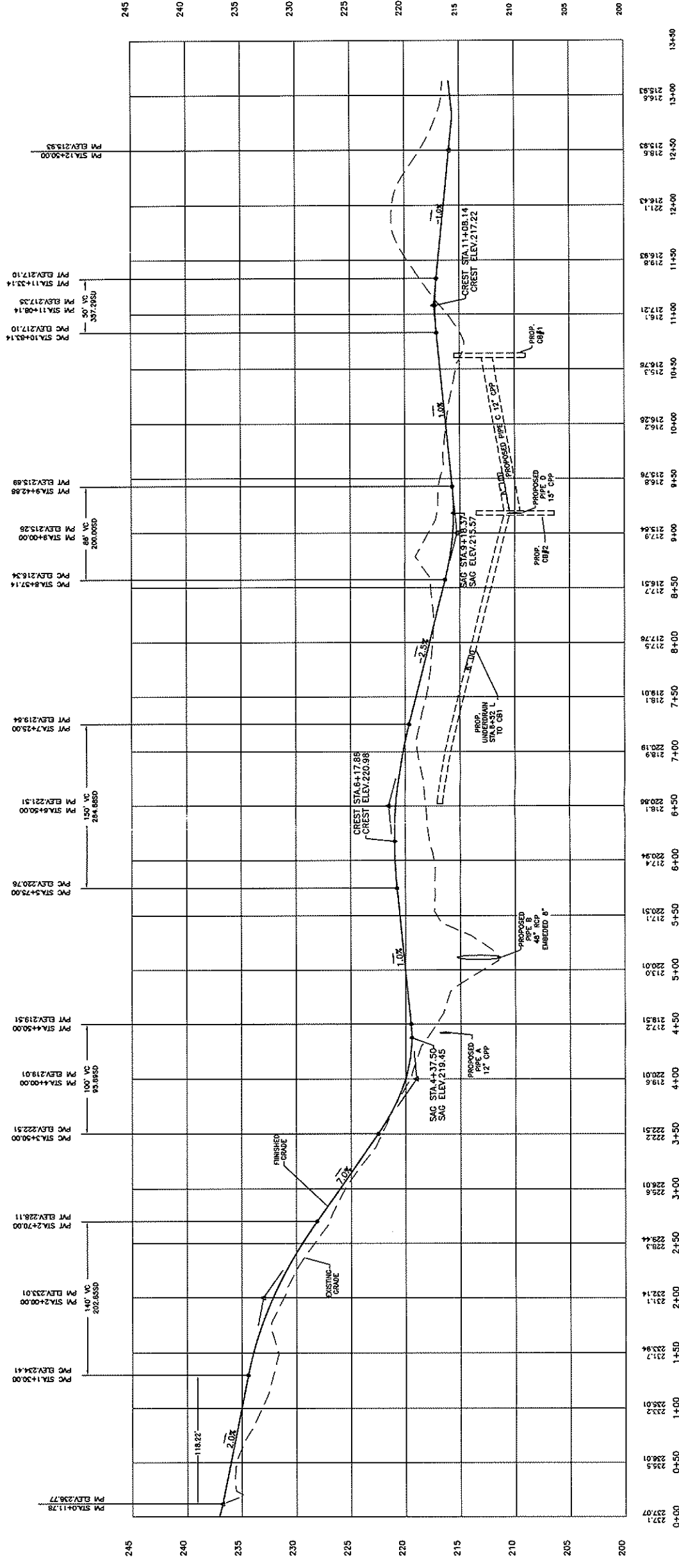
NORWAY PLAINS ASSOCIATES, INC.

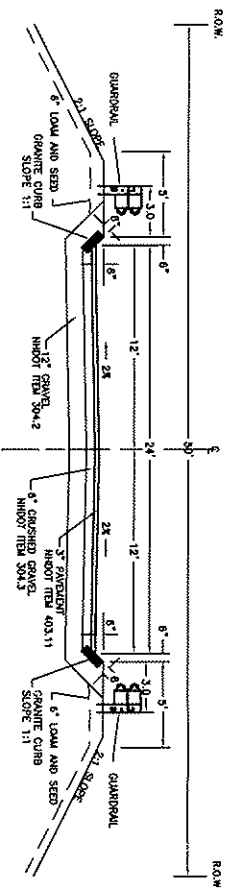
2 CONTINENTAL BLVD., ROCHESTER, NH 603-335-3948

C-3

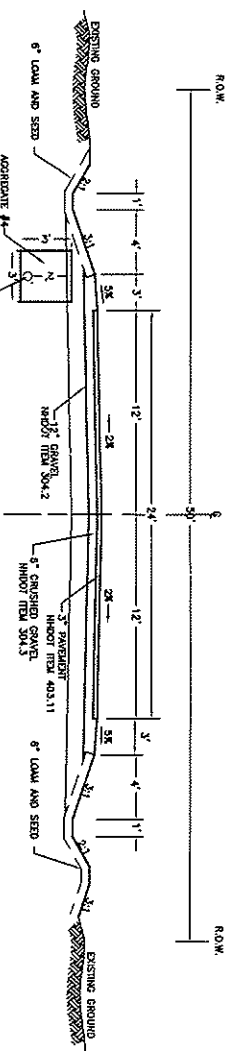


REVISION: PER TRG COMMENT DATED 3/16/17
PER PLANNING BOARD COMMENT DATED 4/3/17

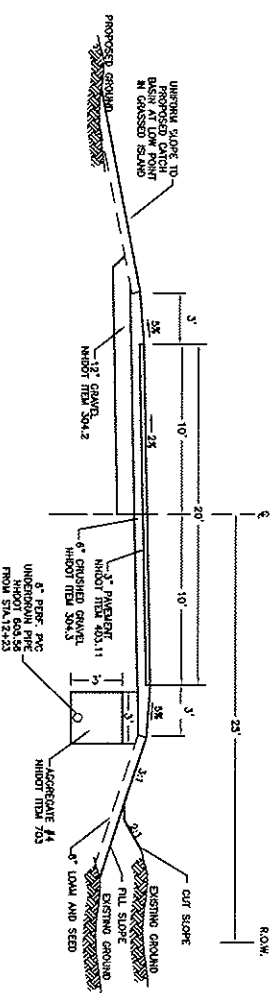




TYPICAL ROADWAY CROSS SECTION STA.4+83 TO STA.5+50

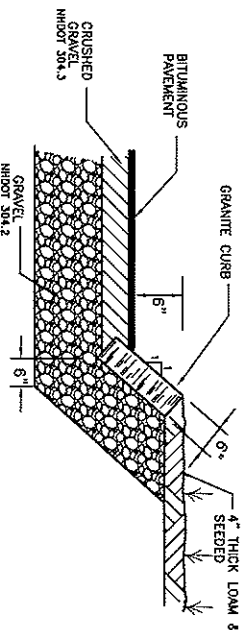


TYPICAL ROADWAY CROSS SECTION



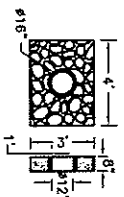
TYPICAL ROADWAY CROSS SECTION
(AT CUL-DE-SAC)

- SCALE: 1"=5'
1. CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH NHDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE CITY OF ROCHESTER CONSTRUCTION SPECIFICATIONS.
 2. THE ENTIRE AREA OF THE STREET WITHIN ITS RIGHT-OF-WAY LINES AND ITS ADJOINING SLOPED AREAS SHALL BE CLEARED OF ALL STUMPS, BRUSH, ROOTS, ROCKS, BOULDERS, AND LIKE MATERIALS AND ALSO OF ALL TREES NOT INTENDED FOR PRESERVATION.
 3. ALL TREES TO BE REMOVED SHALL BE CUT AND LIMBED IN ACCORDANCE WITH THE CITY OF ROCHESTER TREE REMOVAL SPECIFICATIONS.
 4. ALL BACK FILL IN TRENCHES AND FILL FOR THE ROAD BEDS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
 5. UNDERDRAIN SHALL BE INSTALLED IN AREAS DEEMED NECESSARY AS DETERMINED BY SUBDRAINAGE CONDITIONS OR AS REQUIRED BY THE CITY ENGINEER. (NHDOT ITEM 605.58)
 6. AGGREGATE #4 (NHDOT ITEM 703) SHALL BE WRAPPED IN A SUPPORT MEMBRANE (FILTER FABRIC).
 7. UNDERDRAIN SHALL BE TIED IN TO THE PROPOSED DRAINAGE STRUCTURES.

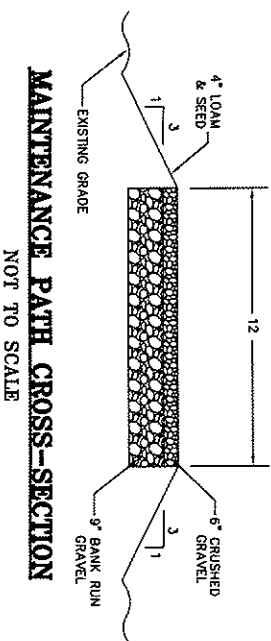


GRANITE SLOPE CURB DETAIL

NOT TO SCALE

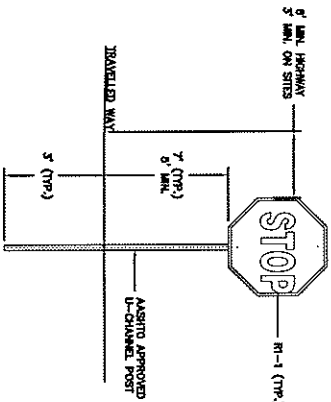


TYPICAL DRIVE HEADWALL



MAINTENANCE PATH CROSS-SECTION

NOT TO SCALE



TYPICAL TRAFFIC SIGN

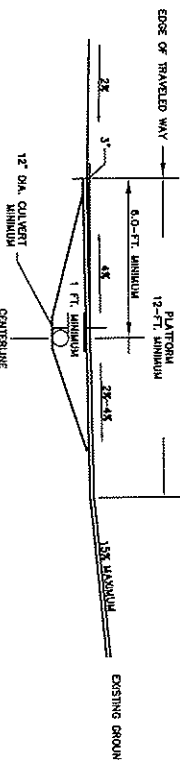
NOT TO SCALE

ITEM NO.	SIGN SIZE		TEXT	NO. SIGNS REQ'D
	HEIGHT	WIDTH		
R1-1	30"	30"	STOP	1
R4-7b	30"	24"	KEEP RIGHT	1
W14-1	30"	30"	DEAD END	1
ROCHESTER STREET SIGN	9" HIGH (GREEN) W/ 6" WHITE LETTERS		STREET NAME	1

NOTES:
1. ALL SIGNS SHALL BE PER "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

SIGN SCHEDULE

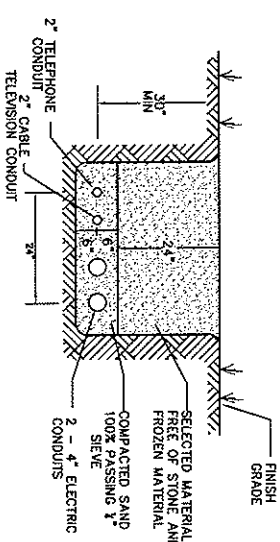
NOT TO SCALE



TYPICAL DRIVE IN CUT SECTION

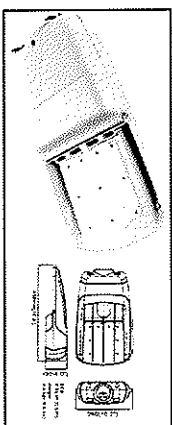
NOT TO SCALE

- DRIVEWAY NOTES: THE LOT WILL BE RESPONSIBLE FOR OBTAINING A DRIVEWAY PERMIT FROM ROCHESTER PUBLIC WORKS.
1. DRIVEWAY CULVERTS SHALL BE 12" MIN. AND SHALL EXTEND 5 FEET BEYOND BOTH SIDES OF THE DRIVEWAY UNLESS CONCRETE HEADWALLS ARE PROVIDED.
 2. GRADES BEYOND PLATFORM SHALL NOT EXCEED 15% NOR SHALL THEY BE LESS THAN 0.5%.
 3. THE ALGEBRAIC DIFFERENCE BETWEEN TWO ADJACENT GRADE CHANGES SHOULD NOT EXCEED 0.5%.
 4. NOT RECOMMENDED FOR UNCHURBED DRIVEWAYS IN CUT SLOPES.
 5. USE RUBBLE MASONRY OR PRECAST HEADWALLS OR SLOPE END SECTIONS ON CULVERT PIPES.



TELEPHONE AND ELECTRICAL COMPANY
TRENCH CROSS SECTION

NOT TO SCALE



CITY OF ROCHESTER LIGHT FIXTURE

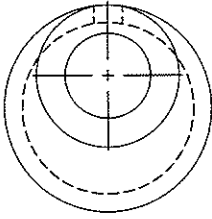
NOT TO SCALE

- NOTES:
1. PROPOSED CROWN HEAD LIGHT SHALL BE LOCATED ON THE PROPOSED UTILITY POLE AT THE ENTRANCE OF THE PROPOSED DRIVEWAY. COORDINATE INSTALLATION WITH EXISTING UTILITY.
2. THE CROWNED CROWN HEAD STYLE LIGHT FIXTURE SHALL BE AN AFFINITY MODEL.
 3. 5000-22W-20K-CCT-10V WITH WHITE HEADS.
 4. COORDINATION SHALL COMING THE CITY OF ROCHESTER PUBLIC WORKS DEPARTMENT PRIOR TO ORDERING AND INSTALLING THE FIXTURE TO MEET THE FIXTURE SPECIFICATIONS.

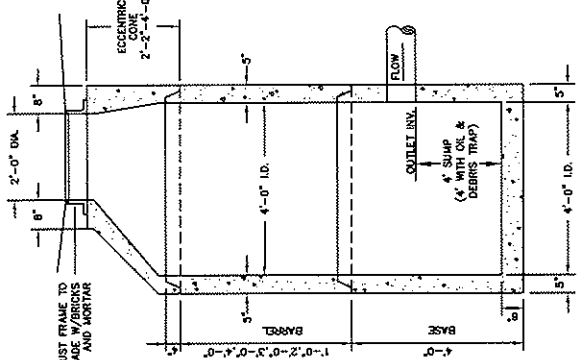
CONSTRUCTION DETAILS
TAX MAP 255, LOT 24-1
62 HAVEN HILL RD.
ROCHESTER, NH

PREPARED FOR:
LAPERLE FAMILY TRUST

MARCH 2017



PLAN VIEW



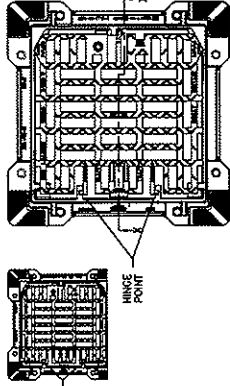
SECTION VIEW

DRAIN LINE DIAMETER	SUM OF DRAIN LINE DIAMETER	CATCH BASIN DIAMETER
15" TO 18"	LESS THAN 54"	4'
21" TO 27"	LESS THAN 72"	6'
30" TO 33"	LESS THAN 90"	8'
36" & LARGER	GREATER THAN 90"	REFER TO THE STANDARD

- NOTES:
- CONCRETE: 4,000 PSI AFTER 28 DAYS.
 - REINFORCING: SHALL BE PROVIDED FOR H-20 TRUCKS.
 - LOADING UNITS SEALED WITH 1 STRIP OF BUTYL RUBBER SEALANT.
 - PIPE OPENINGS CAST IN AS REQUIRED.
 - PIPE CONNECTIONS SHALL BE MORTARED.
 - DESIGNER SHALL CONFORM TO ASTM C-447A.
 - SEE SLAB TOP DETAIL FOR STRUCTURES REQUIRING REINFORCING.
 - SLAB TOP DETAIL FOR DOUBLE GRATE AND FRAME STRUCTURES.

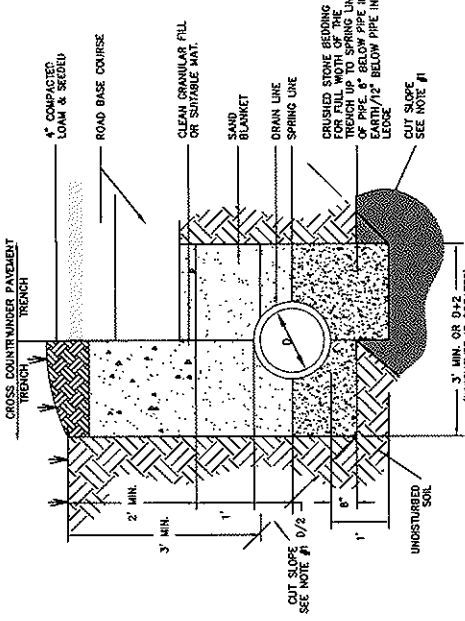
PRE-CAST REINFORCED CATCH BASIN

NOT TO SCALE



24" REXUS DI CB F & GRATE 62114 CB3R

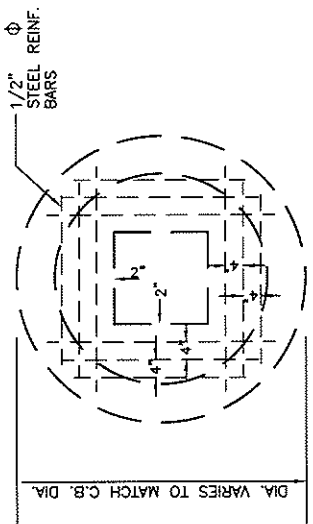
NOT TO SCALE



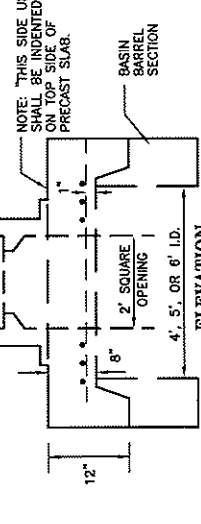
- NOTES:
- PIPE SHALL BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4 FT. INSTALLATIONS DEEPER THAN 4 FT. REQUIRE THE USE OF A TRENCH BOX.
 - PIPE SHALL BE PROTECTED BY A SAND BLANKET.
 - SAND BLANKET MAY BE OBTAINED FOR REINFORCED CONCRETE PIPE.

DRAINAGE PIPE TRENCH INSTALLATION DETAIL

NOT TO SCALE



PLAN

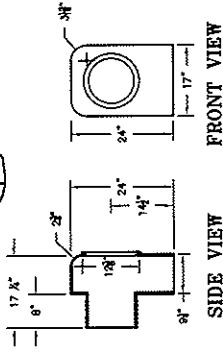
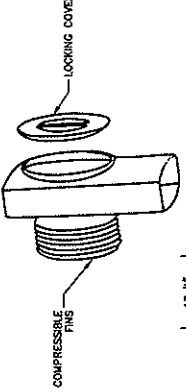


ELEVATION

- NOTE: SLAB TO BE PLACED IN LIEU OF TAPERED SECTION WHERE PIPE WOULD OTHERWISE ENTER INTO TAPERED SECTION OF THE STRUCTURE AND WHERE PERMITTED.
- SLAB TOP MAY BE CASTED WITH MINIMUM OR NO INTERLOCKING CHANNEL. HOWEVER, THE CONTRACTOR MUST ENSURE THE SLAB TOP IS FIRMLY ATTACHED TO THE STRUCTURE.
- PIPE SHALL BE CASTED WITH MINIMUM OR NO INTERLOCKING CHANNEL. HOWEVER, THE CONTRACTOR MUST ENSURE THE SLAB TOP IS FIRMLY ATTACHED TO THE STRUCTURE.

REINFORCED CONCRETE SLAB COVER

NOT TO SCALE



FRONT VIEW

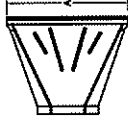
SIDE VIEW

ELIMINATOR CATCH BASIN OIL AND DEBRIS TRAP DETAIL

NOT TO SCALE

- NOTES:
- WOOD SHALL BE "THE ELIMINATOR" OIL & FLOATING DEBRIS TRAP, AS MANUFACTURED BY GROUND WATER RESCUE, INC., QUINCY, MA., TEL. 617-773-1128 ON THE WEB @ WWW.KLEANSTREAM.COM
 - AVAILABLE IN 8", 10", 12", 15", AND 18" DIAMETERS.

PIPE DIAMETERS (INCHES)	A	B	C	D
10" / 12"	42	14.5	3.5	6
15"	41	19	3.4	6
18"	49	22	4.3	6



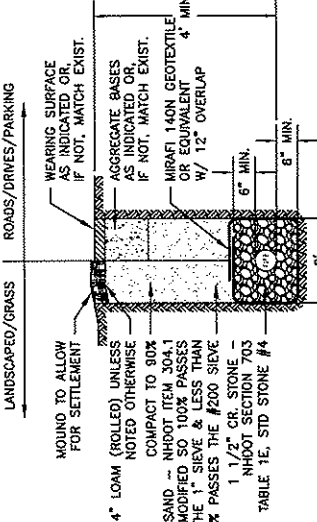
TOP VIEW



FRONT VIEW

HDPE FLAIRED END SECTION DETAIL

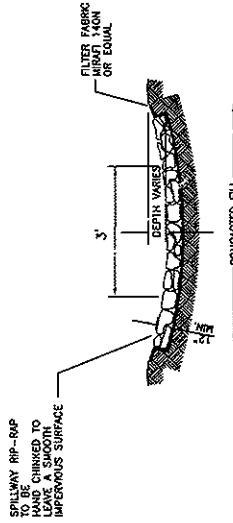
NOT TO SCALE



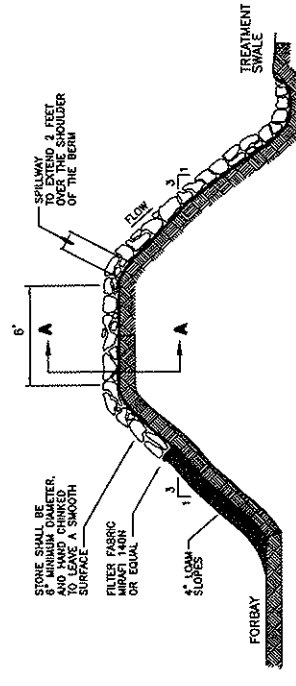
- NOTES:
- PIPE SHALL BE HDPE COMPACTED TUBING (SEE PLAN FOR SIZE) WITH A MINIMUM OF 1/2" WALL THICKNESS AND PERFORATIONS (HOLE SIZE 1/2" DIA.) AT 12" ON CENTER.
 - UNLESS NOTED OTHERWISE, ALL SOIL AND AGGREGATE MATERIALS (EXCEPT UNIFORM SAND) TO BE COMPACTED TO 95% BASED ON ITS OPTIMUM DENSITY PER ASTM 1-98.

TYPICAL UNDERDRAIN

NOT TO SCALE



SECTION "A"



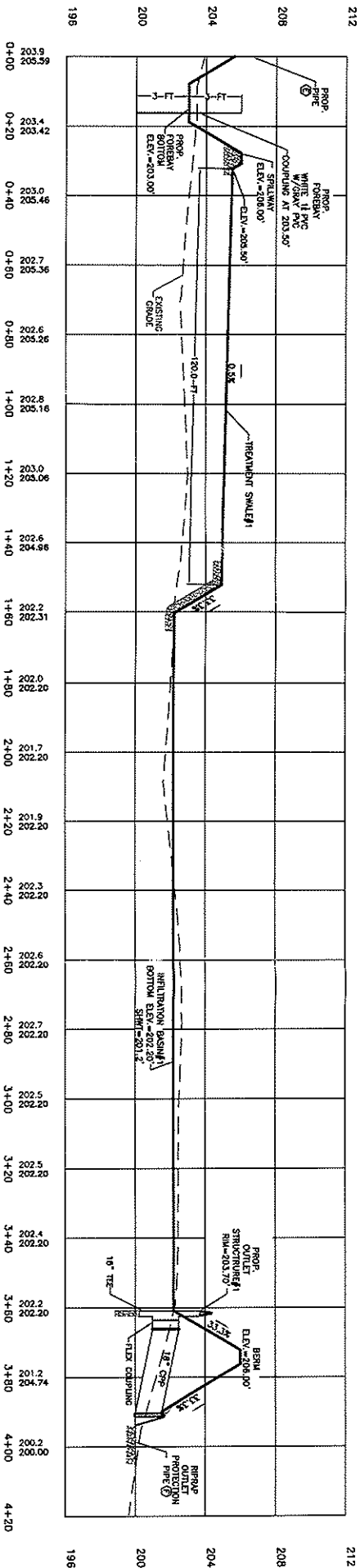
SPILLWAY DETAIL

DRAINAGE DETAILS
TAX MAP 255, LOT 24-1
52 HAVEN HILL RD.
ROCHESTER, NH

PREPARED FOR:
LAPERLE FAMILY TRUST
APRIL 2017



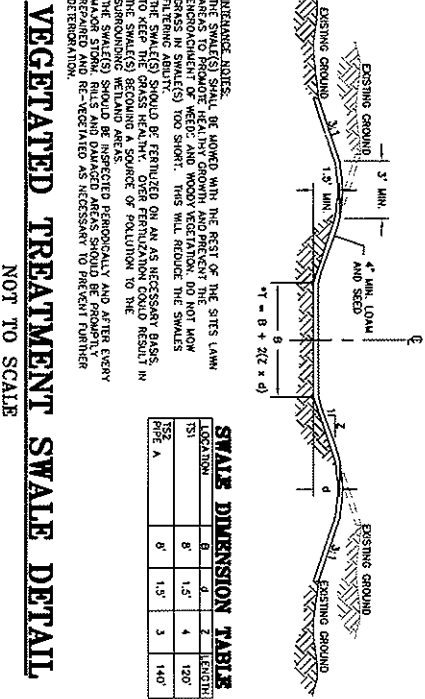
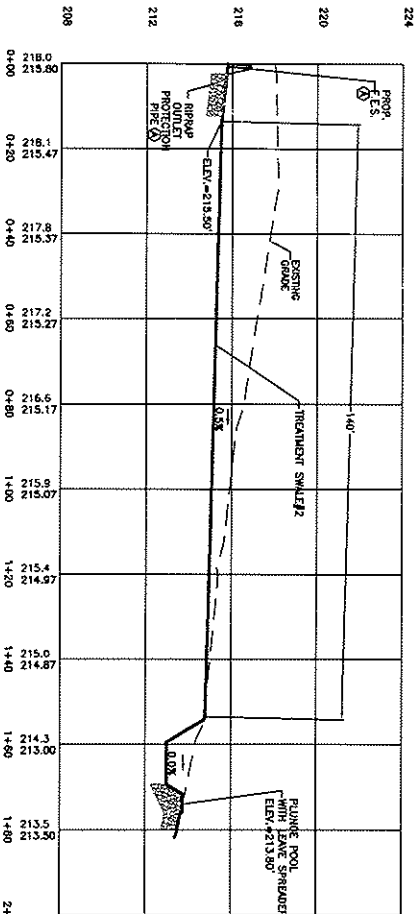
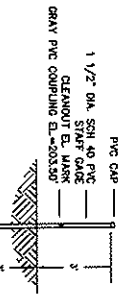
REVISION PER THE CLIENT DATED 3/16/17
FOR TOWN BOARD COMBINATION DATED 4/4/17



SEDIMENT FOREBAY
GAUGE DETAIL

NOT TO SCALE

- NOTES:
1. SET GAUGE TO BE SCOURED 40 WHITE PVC BENTON OR PLACED IN GROUND A MINIMUM 3'-FT.
2. CLEANOUT MARK ON STAFF TO BE GRAY PVC COUPLING SET 6-INCHES FROM BOTTOM OF BASIN.



INFILTRATION BASIN:

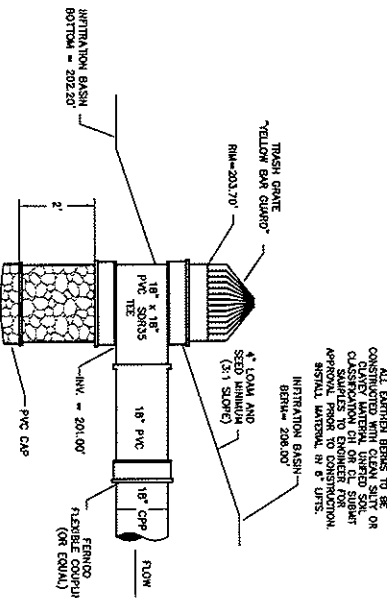
- SEDEMENTATION:
1. DO NOT CHANGE SEDIMENT-LARGE WATERS FROM CONSTRUCTION ACTIVITIES (MOUNT WATER FROM CONSTRUCTION) TO THE INFILTRATION BASIN.
2. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION BASIN.
3. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARBOR TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A
4. VEGETATION SHALL BE ESTABLISHED IMMEDIATELY AFTER FINAL GRADING IS COMPLETED.
5. CONSTRUCT THE INFILTRATION BASIN TO THE GRADES DERIVED ON THE PLAN AND CROSS-SECTION.
6. LOAM AND SEED SHALL BE APPLIED TO THE SLOPES OF THE INFILTRATION BASIN AS PRESCRIBED IN THE TENDRANT EXCELLENCE NOTES FOUND ON
7. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

MAINTENANCE REQUIREMENTS:

1. INSPECT INFILTRATION SURFACE BY-ANNUALLY, ONCE IN THE SPRING PRIOR TO MAY 15 AND ONCE IN THE FALL PRIOR TO OCTOBER 15.
2. INSPECT INFILTRATION SURFACE BY-ANNUALLY, ONCE IN THE SPRING PRIOR TO MAY 15 AND ONCE IN THE FALL PRIOR TO OCTOBER 15.
3. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT BASED ON INSPECTION. REMOVE AREA OF REMOVAL IS NECESSARY TO RESTORE INFILTRATION CAPACITY.
4. PERFORM MAINTENANCE AND REHABILITATION BASED ON INSPECTIONS.
5. REMOVE OBSTACLES OF ANY KIND FROM INFILTRATION BASIN AND TIE BACK ON INSPECTION.
6. INSPECT INFILTRATION BASIN FOR WEEDS AND UNDESIRABLES (SHRUBS, TREES, ETC.) TO ELIMINATE WOODY GROWTH FROM THE EMBANKMENTS AND BOTTOM. WORKING THE INFILTRATION BASIN
7. IF THE INFILTRATION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL (I.E. PROFESSIONAL, ENGINEER, CERTIFIED SOIL SCIENTIST, ETC.) SHALL ASSESS THE
8. CAUSE OF THE PROBLEM AND THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE INFILTRATION FUNCTION, INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE INFILTRATION SURFACE.

INFILTRATION BASIN #1
OUTLET STANDPIPE DETAIL

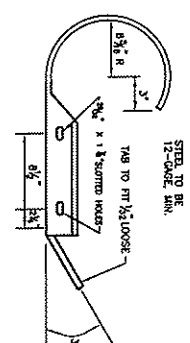
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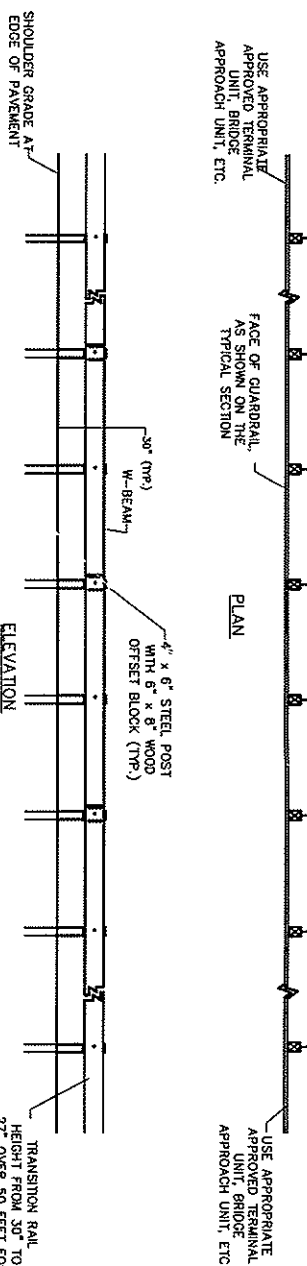
INFILTRATION BASIN &
TREATMENT SWALE PROFILE
& DETAILS

TAX MAP 265, LOT 24-1
52 HAVEN HILL RD.
ROCHESTER, NH

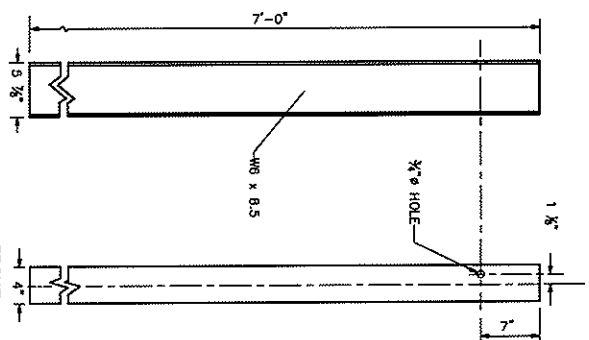
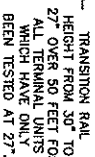
PREPARED FOR:
LAPERLE FAMILY TRUST
APRIL 2017



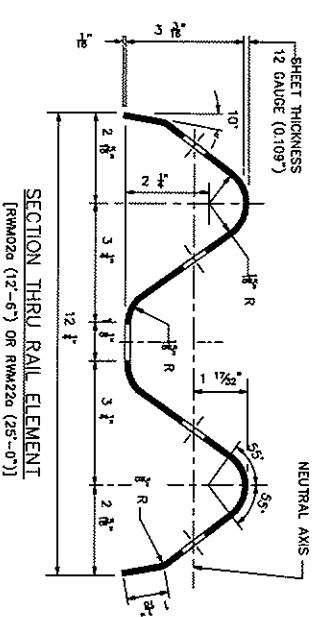
PLAN VIEW



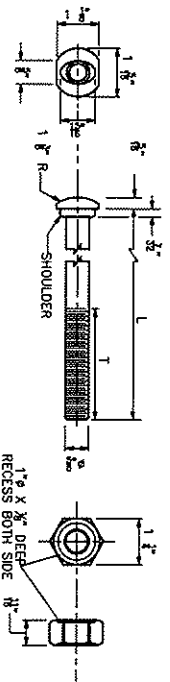
ELEVATION



STRUCTURAL SHAPE STEEL POST

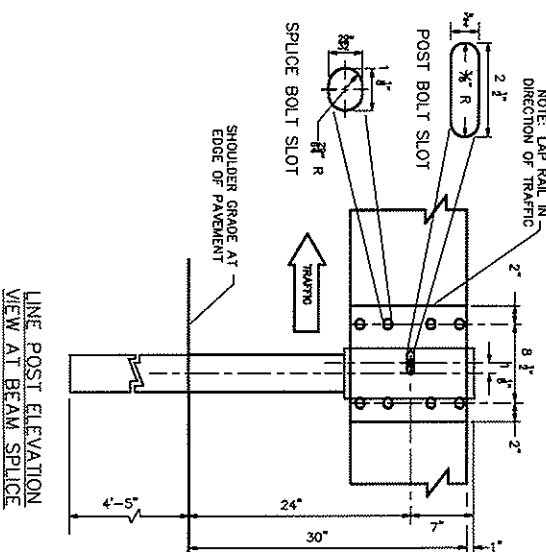


SECTION THRU RAIL ELEMENT
[RWM020 (12'-6") OR RWM220 (25'-0")]

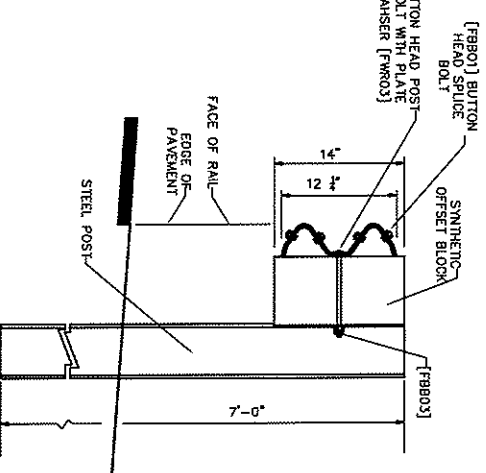


DESIGNATOR	L	T	INTENDED USE
FB01	1 1/2"	FULL LENGTH THREAD	RAIL SPLICE BOLTS
FB02	2"	1 1/2" MIN. THREAD LENGTH	POST BOLT (STEEL POSTS)
FB03	4"	MIN. THREAD LENGTH	POST BOLT
10"			POST BOLT

5/8" BUTTON HEAD BOLT AND RECESSED NUT



LINE POST ELEVATION
VIEW AT BEAM SPLICE



TYPICAL SIDE VIEW
(SHOWN WITH FASTENERS)

- [illegible]

GENERAL NOTES

REFERENCE NOTE

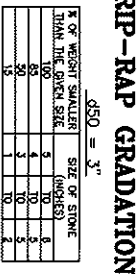
1. DETAILS FOR GUARDRAIL SHOWN ON THIS PAGE EXCEPTED FROM AND SPECIFIED TO MATCH NHOT STANDARD PLANS, STANDARD NO. GR-2 AND GR-10. BEAM GUARDRAIL, STANDARD SECTION - STEEL POST & HARDWARE DETAILS.

GUARDRAIL DETAILS
TAX MAP 255, LOT 24-1
52 HAVEN HILL RD.
ROCHESTER, NH

PREPARED FOR:

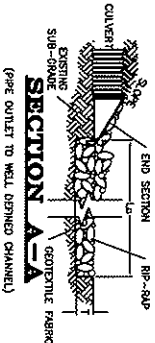
LAPERLE FAMILY TRUST

MARCHE 2017



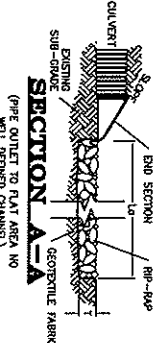
RIP-RAP GRADATION

NO OF WEIGHT SMALLER THAN THE GIVEN SIZE	SIZE OF STONE (INCHES)
100	5 TO 8
65	4 TO 5
50	3 TO 5
15	1 TO 2



SECTION A-A

OUTLET PORT #	PIPE OUTLET	NO.	W	L	T	ESQ.
PIPE A	12" COP	3'	12.0"	0.6"	0"	3"
PIPE E	15" COP	3.75'	15.0"	12.1"	0"	3"
PIPE F	18" COP	4.5'	15.2"	10.7"	0"	3"



SECTION A-A

1. ALL THE EQUIPMENT SHALL HAVE END SECTIONS OR REMOVALS. END SECTION MATERIAL AND MANUFACTURER SHALL MATCH THE EQUIPMENT.
 2. THE LARGEST MP-AP SIZE DETERMINED DURING HYDROLOGIC ANALYSIS HAS BEEN USED FOR ALL OUTLETS FOR ECONOMY AND SIMPLICITY.
 3. PERSON LOGS, WORDS AND THICKNESSES HAVE BEEN ROUNDED UP TO WHOLE INCHES FOR EASE OF CONSTRUCTION.
- ### CONSTRUCTION SPECIFICATIONS:
1. THE SUB-CORNER FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC AND MP-AP TO THE GRABES SHOWN ON THE PLANS.
 2. MINIMUM 1" SAND/GRAVEL BEDDING OR GEOTEXTILE FABRIC REQUIRED UNDER ALL ROCK MP-AP.
 3. THE ROCK OR GRAVEL USED FOR MP-AP SHALL CONFORM TO THE SPECIFIED GRADATION.
 4. THE ROCK OR GRAVEL USED FOR MP-AP SHALL BE PLACED IN A SINGLE LAYER ON THE FILTER PROTECTION AREAS IN THE CHANNEL. ALL OVERLAYS REQUIRED FOR REPAIRS OR JOINTING TWO (2) PIECES OF FABRIC SHALL BE A MINIMUM OF 6" OVERLAP.
 5. REPAIRS OF THE FABRIC, ALL OVERLAYS REQUIRED FOR REPAIRS OR JOINTING TWO (2) PIECES OF FABRIC SHALL BE A MINIMUM OF 6" OVERLAP.
 6. STONE FOR THE MP-AP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE LAYER.
 7. OPERATION AND IN SUCH A MANNER AS TO PREVENT SEDIMENTATION OF THE STREAM BEDS.
 8. THE SAME GRADATION AND THICKNESS.
- ### MAINTENANCE NOTES:
1. THE MP-AP SHOULD BE INSPECTED AND CLEANED ANNUALLY AND AFTER ANY MAJOR STORM EVENT. ANY EROSION OR DAMAGE TO THE MP-AP SHOULD BE REPAIRED IMMEDIATELY.
 2. THE CHANNEL MAINTENANCE REQUIRED FOR THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING.
 3. THE CHANNEL MAINTENANCE REQUIRED FOR THE OUTLET SHOULD BE CHECKED TO SEE THAT NO EROSION IS OCCURRING.
 4. COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPOSITS ON THE PILES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION WORK.

PIPE OUTLET PROTECTION DETAIL

DUST CONTROL PRACTICES:

1. APPLY BEST AVAILABLE TREATMENTS AS NECESSARY TO MAINTAIN CONTROL OF OUST ON SITE.
2. MONITOR EXPOSED SOIL SURFACES PERIODICALLY WITH ADEQUATE WATER TO CONTROL OUST.
3. MONITOR EXCESSIVE APPLICATION OF WATER THAT WOULD RESULT IN MOBILIZING SEDIMENT AND SUBSEQUENT STORM-ASSOCIATED MATERIALS.
4. COVER SURFACE WITH CHISELED OR COARSE GRAVEL.
5. IN AREAS WHERE WATERSHEDS USE ONLY CHEMICALLY STABILIZED OR WASHED ASPHALT, MONITOR FOR EXCESSIVE APPLICATION OF ASPHALT TO MAINTAIN CONTROL OF OUST AND PREVENT EXCESSIVE BROWN AND REDDISH COLORATION.
6. MONITOR CONTAMINANT LEVELS FOR OTHER ALLOWABLE DRUG CONTAMINANTS (I.E. COMMERICAL ADDICTIVES OR CHEMICAL TREATMENTS SUCH AS CALCIUM CHLORIDE, ETC).

STOCKPILE PRACTICES:

1. LOCATE STORMS TO A MINIMUM OF 50-FT. AWAY FROM CONCENTRATED PLANTS OF STORMWATER, DRAINAGE POINTS OR NEARBY PLANTS TO BE PROTECTED.
 2. STORMS SHOULD BE PLACED TO PROTECT PLANTS FROM TOPOGRAPHIC RUN-OFF USING TEMPORARY ERECTED BARRIERS SUCH AS SANDBAGS, BRICKS, STUDBLOCKS OR OTHER APPROVED PRACTICES.
 3. APPROVED PRACTICES SHOULD BE SUBMITTED BY SEDIMENT BARRIERS AS DESIGNED ON THE PLANS AND IN MISMA.
 4. SEDIMENT BARRIERS SHOULD BE PLACED TO PROTECT PLANTS FROM TOPOGRAPHIC RUN-OFF AND IN MISMA IMPACT DRAIN AND EROSION CONTROL PRACTICES AS APPROPRIATE ON ALL STORED/ERIED MATERIAL.
 5. PLACE BARRIERS MATERIAL ON PALLETS OR UNDERDRAIN.
- PROTECTION OF INACTIVE SEDIMENT:**
6. STORMS AND SEDIMENT SHOULD BE COVERED WITH AN APPROVED TARP OR PROTECTED WITH SAND BAGS.
 7. INACTIVE SEDIMENT OF CONCRETE ROBBLE, CEMENT, CEMENT CONCRETE ROBBLE, AGGREGATE MATERIALS, AND INACTIVE SEDIMENT PERMEABLE SEDIMENT BARRIERS (IE SALT DENCE, ETC.) AT ALL TIMES.
 8. SEDIMENT BARRIERS SHOULD BE COVERED WITH AN APPROVED TARP OR PROTECTED WITH SAND BAGS.
 9. ETC.) AT ALL TIMES. IF THE MATERIALS ARE A SOURCE OF DUST, THEY SHALL ALSO BE COVERED.
- PROTECTION OF ACTIVE SEDIMENT:**
10. ALL SEDIMENT SHALL BE SUBMITTED WITH TEMPORARY LINEAR SEDIMENT BARRIERS (IE SALT DENCE, ETC.) PRIOR TO THE ONSET OF PRECIPITATION.
 11. SEDIMENT BARRIERS SHALL BE MAINTAINED AT ALL TIMES.
 12. THE HEIGHT OF THE BARRIER SHALL BE INSUFFICIENT TO EXCEED THE EROSION OF EACH SIDE OF THE BARRIER.
 13. WHEN A STORM IS ENCOUNTERED, SEDIMENT SHALL BE PROTECTED WITH AN APPROVED PROTECTIVE COVERING.

PERMANENT VEGETATION:

- [illegible]

GENERAL

CONSTRUCTION PHASING:

1. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A GRASS SPRING TONG HARROW OR OTHER STRIPED EQUIPMENT. THE FINAL REWORKING, UNIFORM, THE SEEDING IS PREPARED ON ALL BUT CLAY AND SILT SOILS SHALL BE ROLLED TO ROLL THE SEEDS WHEREVER FEASIBLE.
 2. AFTER THE SEEDS ARE ROLLED, THE SEEDS SHALL BE COVERED WITH A 1/2 INCH LAYER OF OTHER INERT MATERIAL SUCH AS WASH COAL, FINE SLAG, OR OTHER INERT MATERIAL.
 3. AFTER SEEDING, THE SOIL SURFACE SHALL BE COVERED WITH A 1/2 INCH LAYER OF OTHER INERT MATERIAL SUCH AS WASH COAL, FINE SLAG, OR OTHER INERT MATERIAL.
 4. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.
 5. FERTILIZER AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS, FERTILIZER NITROGEN WAREHOUSE, UNLESS A SOIL TEST WHEREIN IT IS NOT CRITICAL, IF SO, TESTING IS NOT FEASIBLE ON SOIL OR VARIABLE SITES, OR WHEREIN IT IS CRITICAL, FERTILIZER AND LIME SHOULD BE APPLIED AT THE FOLLOWING RATES:
 - 1. LIME: APPLICATION RATE = 3 TONS/ACRE (138 LB./1,000-SQ' FERTILIZER APPLICATION RATE = 870 LB./ACRE (20 LB./1,000-SQ' 1,000 PHOSPHATE FERTILIZER (6-0-4) OR EQUIVALENT
 6. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3 AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
 7. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
 8. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
 9. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
 10. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
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 15. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
 16. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
 17. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.
 18. SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEAVES PERMANENT SEEDING SHALL BE COMPLETED 45 DAYS PRIOR TO FIRST FLOODING FROST. WHEN SEED IS UNCOVERED, SEEDING CANNOT BE DONE WITH THE RECOMMENDED SEEDING DATES. MUCH ACCORDING TO THE TEMPORARY AND PERMANENT MULCHING PRACTICE DESCRIBED IN THE NEXSA, VA, 3.

**PROJECT SPECIFIC
CONSTRICTION PHASING:**

- [illegible]

WINTER STABILIZATION & CONSTRUCTION PRACTICES:

- [illegible]