

NOTES:

- OWNER: S & L SWEET PROPERTIES, LLC
P.O. BOX 234
STRAFFORD, NH 03864
- TAX MAP 204, LOT 34
- LOT AREA: 684,106 Sq. Ft. 15.70 Ac.
- S.C.R.D. BOOK 4610, PAGE 236
- ZONING: AGRICULTURAL, NEITHER MUNICIPAL WATER OR SEWER
MIN. ROAD FRONTAGE: 150'
MIN. LOT SIZE: 45,000 Sq. Ft.
FRONT SETBACK: 20.0'
SIDE SETBACK: 10.0'
REAR SETBACK: 20.0'
WETLAND BUFFER: 50'
MAX. BUILDING FOOTPRINT: 30%
MAX. LOT COVERAGE: 35%
MAX. BUILDING HEIGHT: 35%
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY # -330150, MAP # - 33017002010, DATED: MAY 17, 2005.
- VERTICAL DATUM BASED ON USGS NAVD83 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
- THE INTENT OF THIS PLAN IS TO SUBDIVIDE TAX MAP 204, LOT 34 INTO 3 INDIVIDUAL LOTS USING THE CITY OF ROCHESTER PORK CHOP SUBDIVISION REGULATIONS. THIS IS A 9 SHEET PLAN SET. SHEET 1 IS THE SUBDIVISION SHEET. SHEET 2 IS A TOPOGRAPHY SHEET. THE REMAINDER OF THE SET IS ENGINEERING DETAIL THAT IS REQUIRED FOR THE CONSTRUCTION OF THE SUBDIVISION. SHEET 1 WILL BE RECORDED AT THE STRAFFORD COUNTY REGISTRY OF DEEDS. SHEET 2 WILL BE ON FILE AT THIS OFFICE AND THE CITY OF ROCHESTER. FOR MORE INFORMATION ON THIS SUBDIVISION, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867, (603) 335-1338.
- THE CURRENT USE OF THE PROPERTY IS VACANT LAND. ALL PROPOSED LOTS WILL BE FOR RESIDENTIAL HOMES WITH ON SITE WELLS AND SEPTIC SYSTEMS.
- LOTS 34 & 34-2 HAVE NHDES SUBDIVISION APPROVAL #SA2019092002.
- THERE WERE NO CEMETERIES OBSERVED ON THE PARCEL WHEN THE FIELDWORK WAS TAKING PLACE.
- LOT 34-1 IS LIMITED TO A SINGLE FAMILY HOME.
- THERE WILL BE NO FURTHER SUBDIVISION OF ANY LOT.
- TEST PITTING ON SOME OF THE LOTS WITHIN THIS SUBDIVISION REVEALED SEASONAL HIGH WATER TABLES WITHIN 24" OF THE SURFACE. TEST HOLE DATA CAN BE FOUND AT THE CITY OF ROCHESTER PLANNING OFFICE AND LOCATIONS ON THE ENCLOSED PLAN SET. IT IS INCUMBENT ON THE FUTURE OWNERS / BUILDERS TO REVIEW THIS INFORMATION AND BUILD / DEVELOP USING KNOWN BEST MANAGEMENT PRACTICES FOR THESE CONDITIONS. (FILL / FOUNDATION DRAINAGE)

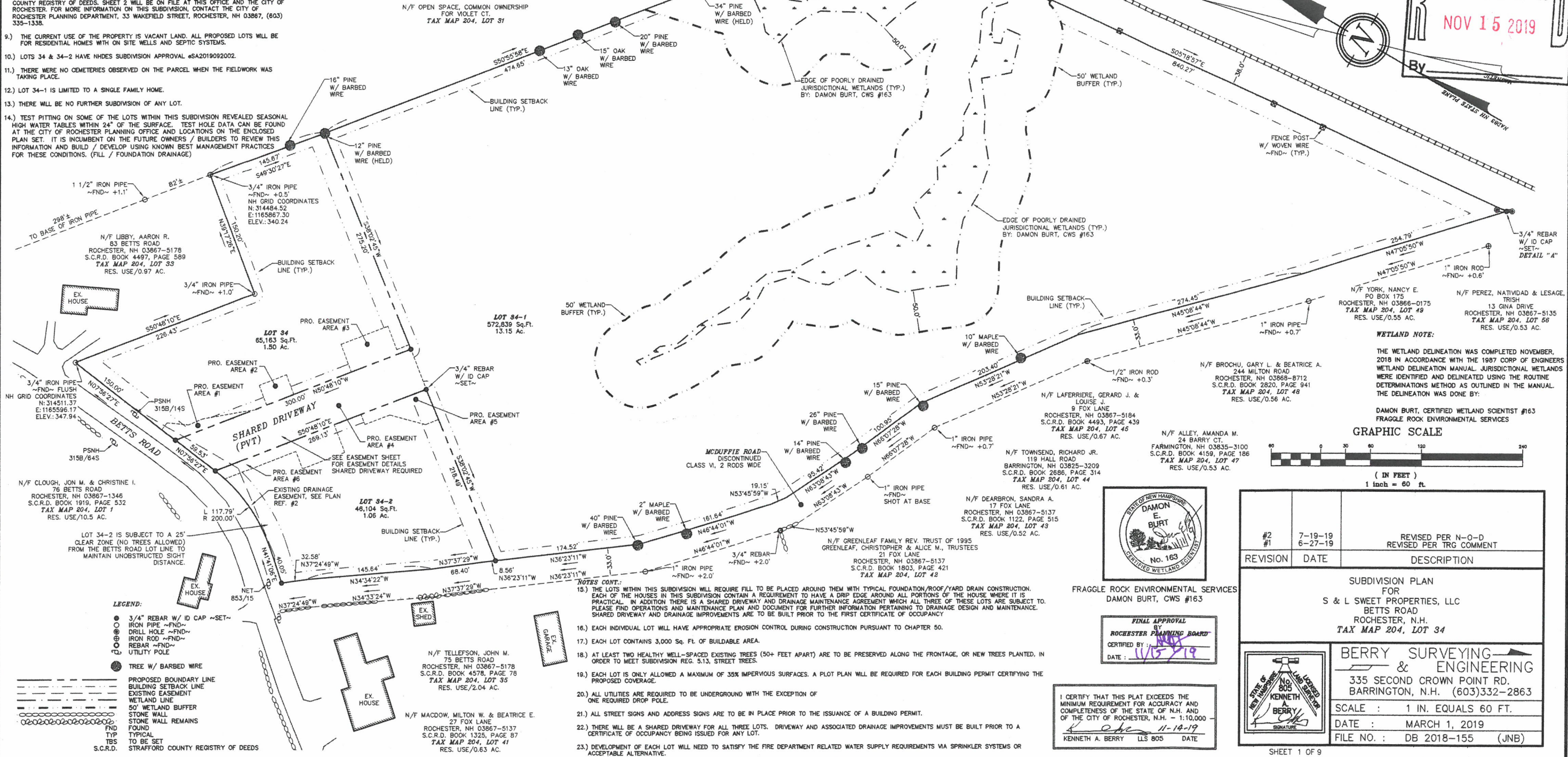
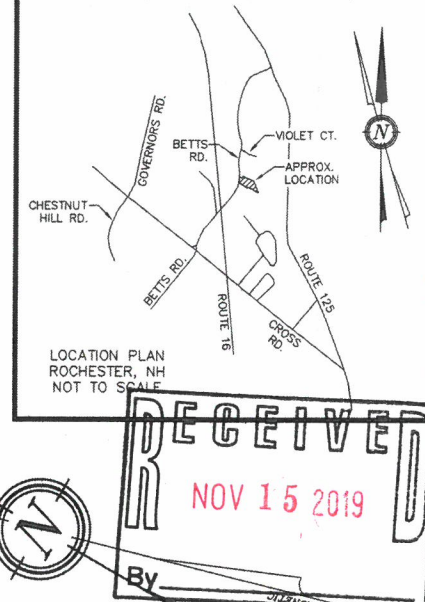
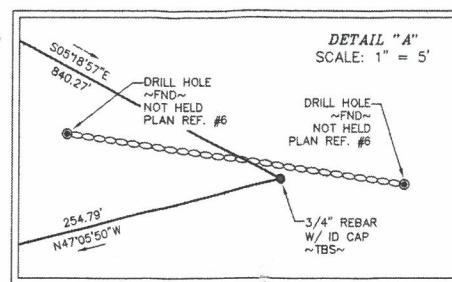
PLAN REFERENCES:

- "PLAN OF LAND IN ROCHESTER, N.H. FOR GLENDON ATKINSON"
BY: NORTH COUNTRY SURVEYORS
DATED: OCTOBER 7, 1980
S.C.R.D. PLAN #22A-19
- "LAND ACQUISITION PLAN, BETTS ROAD, ROCHESTER, N.H. FOR VICTORIA LAMBERT, ETAL. AND THE CITY OF ROCHESTER"
BY: NORWAY PLAINS ASSOCIATES, INC.
DATED: MARCH 2001
S.C.R.D. PLAN #66-8
- "A CLUSTER SUBDIVISION, ROCHESTER, N.H. FOR LILAC HILL GROUP INC."
BY: NORWAY PLAINS SURVEY ASSOCIATES, INC.
DATED: MARCH 17, 1987
S.C.R.D. PLAN #38A-116
- "BIRCHWOOD GROVE MOBILE HOME COMMUNITY, ROCHESTER NEW HAMPSHIRE, SHEET 1 OF 2"
BY: DICKSON, HOLDEN AND ASSOCIATES
DATED: JANUARY 30, 1976
S.C.R.D. PLAN #16A-86
- "BIRCHWOOD GROVE MOBILE HOME COMMUNITY, ROCHESTER NEW HAMPSHIRE, SHEET 2 OF 2"
BY: DICKSON, HOLDEN AND ASSOCIATES
DATED: JANUARY 30, 1976
S.C.R.D. PLAN #16A-87

PLAN REFERENCES CONT.:

- "PLAN OF LAND OF WAYNE CHICK AND RICHARD LUNEAU, ROCHESTER, N.H."
BY: T.W. CHESLEY
DATED: OCTOBER 1971
S.C.R.D. POCKET #6, FOLDER #3, PLAN #25
- "A SURVEY AND PLAT OF PROPERTY PREPARED FOR LEMILT'S PETROLEUM, INC., SITUATED IN THE CITY OF ROCHESTER, NEW HAMPSHIRE"
BY: CYGNET SURVEYS, INC.
DATED: SEPTEMBER 1989
S.C.R.D. PLAN #37A-4
- "RIGHT-OF-WAY AND TRACK MAP, BOSTON AND MAINE R.R. OPERATED BY THE BOSTON AND MAINE R.R. STATION 824+70 TO STATION 877+50, V.4, N.H./17"
BY: OFFICE OF VALUATION ENGINEER
DATED: JUNE 30, 1914

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SUBDIVISION PLAN, THE SUBDIVISION APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SUBDIVISION REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INSOFAR AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW, NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SUBDIVISION APPROVAL.



NOTES:

- OWNER: S & L SWEET PROPERTIES, LLC
P.O. BOX 234
STRAFFORD, NH 03884
- TAX MAP 204, LOT 34
- LOT AREA: 684,106 Sq. Ft., 15.70 Ac.
- S.C.R.D. BOOK 4610, PAGE 236
- ZONING: AGRICULTURAL, NEITHER MUNICIPAL WATER OR SEWER SETBACKS:
MIN. ROAD FRONTAGE: 150'
MIN. LOT SIZE: 45,000 Sq. Ft.
FRONT: 20.0'
SIDE: 10.0'
REAR: 20.0'
WETLAND BUFFER: 50'
MAX. BUILDING FOOTPRINT: 30%
MAX. LOT COVERAGE: 35%
MAX. BUILDING HEIGHT: 35%
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017002010, DATED: MAY 17, 2005.
- VERTICAL DATUM BASED ON USGS NAVD83 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
- THE INTENT OF THIS PLAN IS TO SUBDIVIDE TAX MAP 204, LOT 34 INTO 3 INDIVIDUAL LOTS USING THE CITY OF ROCHESTER PORK CHOP SUBDIVISION REGULATIONS. THIS IS A 2 SHEET PLAN SET. SHEET 1 IS THE SUBDIVISION SHEET. SHEET 2 IS A TOPOGRAPHY SHEET. SHEET 1 WILL BE RECORDED AT THE STRAFFORD COUNTY REGISTRY OF DEEDS. SHEET 2 WILL BE ON FILE AT THIS OFFICE AND THE CITY OF ROCHESTER.
- THE CURRENT USE OF THE PROPERTY IS VACANT LAND. ALL PROPOSED LOTS WILL BE FOR RESIDENTIAL HOMES WITH ON SITE WELLS AND SEPTIC SYSTEMS.
- NHDES SUBDIVISION APPROVAL WILL BE REQUIRED FOR LOT FOR LOTS 34 & 34-2.
- THERE WERE NO CEMETERIES OBSERVED ON THE PARCEL WHEN THE FIELD WORK WAS TAKING PLACE.
- SEE SHEET 1 FOR PLAN REFERENCES.

TEST PIT DATA

TEST PIT #1

0-3' 10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
3-1.0' 10YR5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
1.0-2.1' 7.5Y5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
10YR5/4, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE,
FRIABLE IN HAND, REDOX. CON. & DEP. @ 2.1'

E.S.H.W.T. @ 2.1'
ROOTS TO 2.3'
NO GROUND WATER
NO REFUSAL
P = 10 MIN/IN

TEST PIT #2

0-6' 10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
6-2.4' 10YR4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
2.4-5.2' 2.5Y6/4, FINE SANDY LOAM, GRANULAR, FRIABLE,
REDOX. CON. & DEP. @ 2.4'

E.S.H.W.T. @ 2.4'
ROOTS TO 2.1'
NO GROUND WATER
NO REFUSAL
P = 10 MIN/IN

TEST PIT #3

0-3' 10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
3-1.9' 10YR5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
1.9-5.5' 2.5Y6/4, FINE SANDY LOAM, GRANULAR, SOMEWHAT FIRM IN HOLE,
FRIABLE IN HAND, REDOX. CON. & DEP. @ 1.9'

E.S.H.W.T. @ 1.9'
ROOTS TO 1.7'
NO GROUND WATER
NO REFUSAL
P = 14 MIN/IN

TEST PIT DATA

TEST PIT #4

0-3' 10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
3-1.0' 10YR5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
1.0-1.8' 10YR4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
1.8-5.0' 2.5Y6/4, FINE SANDY LOAM, GRANULAR, FIRM IN HOLE,
FRIABLE IN HAND, REDOX. CON. & DEP. @ 1.8'

E.S.H.W.T. @ 1.8'
ROOTS TO 1.7'
NO GROUND WATER
NO REFUSAL
P = 14 MIN/IN

TEST PIT #5

0-3' 10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
3-1.3' 10YR5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
1.3-2.0' 10YR4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
2.1-4.0' 2.5Y6/4, FINE SANDY LOAM, GRANULAR, SOMEWHAT FIRM IN HOLE,
FRIABLE IN HAND, REDOX. CON. & DEP. @ 2.0'

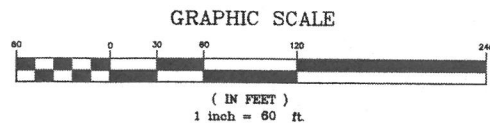
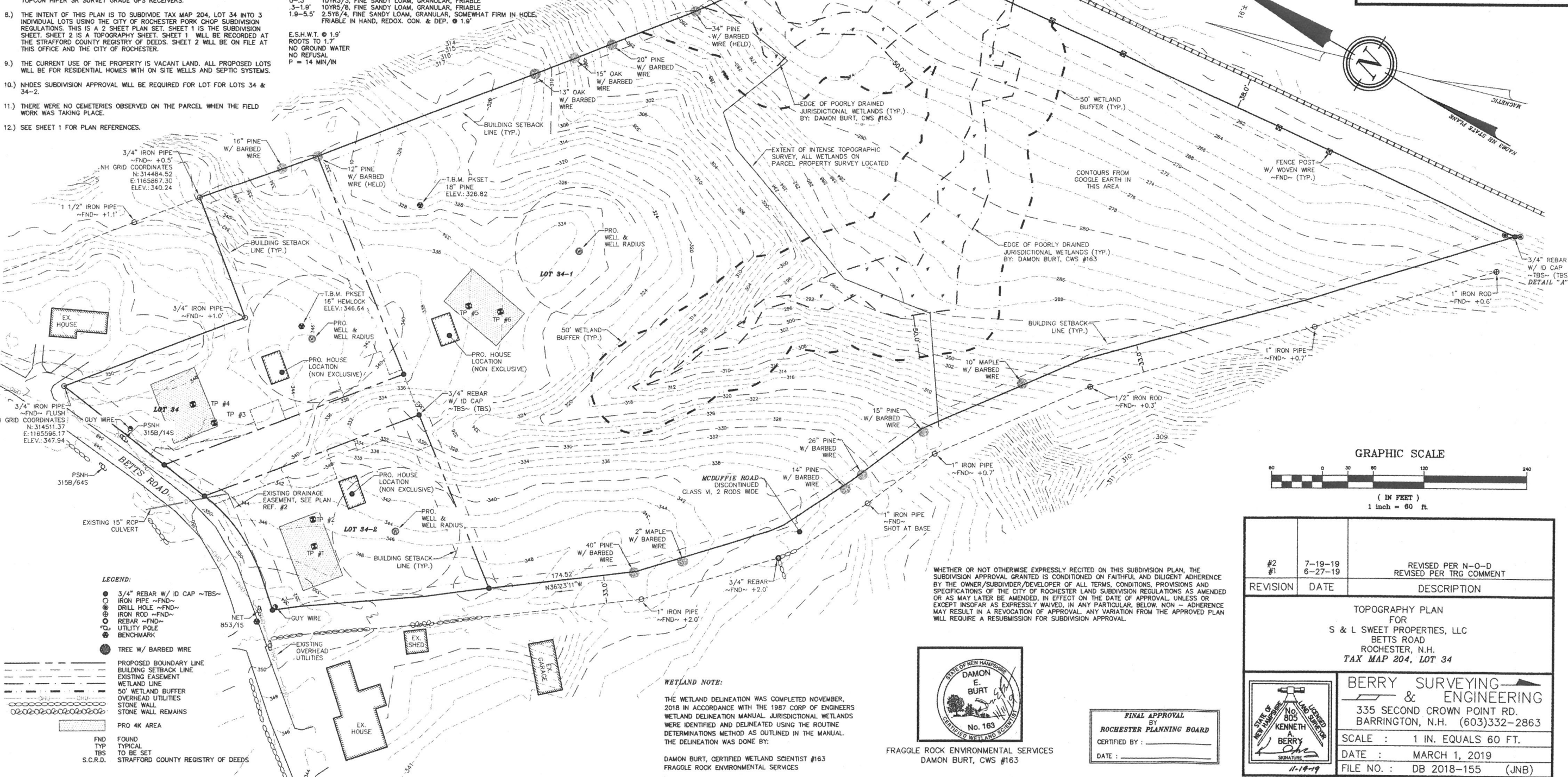
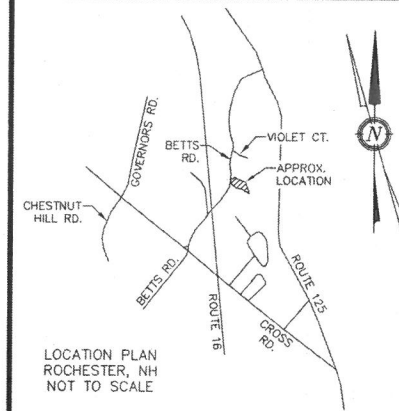
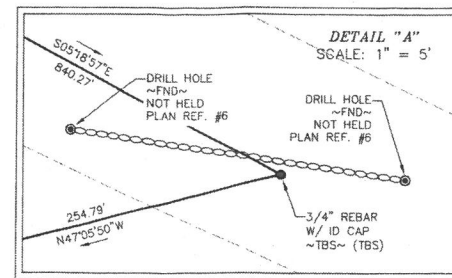
E.S.H.W.T. @ 2.0'
ROOTS TO 2.1'
NO GROUND WATER
NO REFUSAL
P = 12 MIN/IN

TEST PIT DATA

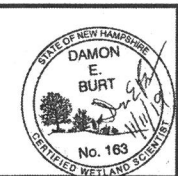
TEST PIT #6

0-3' 10YR3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
3-1.3' 10YR5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
1.3-2.0' 10YR4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
2.1-4.0' 2.5Y6/4, FINE SANDY LOAM, GRANULAR, SOMEWHAT FIRM IN HOLE,
FRIABLE IN HAND, REDOX. CON. & DEP. @ 2.0'

E.S.H.W.T. @ 2.0'
ROOTS TO 2.1'
NO GROUND WATER
NO REFUSAL
P = 12 MIN/IN



#2	7-19-19	REVISED PER N-O-D
#1	6-27-19	REVISED PER TRG COMMENT
REVISION	DATE	DESCRIPTION
TOPOGRAPHY PLAN FOR S & L SWEET PROPERTIES, LLC BETTS ROAD ROCHESTER, N.H. TAX MAP 204, LOT 34		
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. (603)332-2863		
SCALE : 1 IN. EQUALS 60 FT.		
DATE : MARCH 1, 2019		
FILE NO. : DB 2018-155 (JNB)		



FRAGGLE ROCK ENVIRONMENTAL SERVICES
DAMON BURT, CWS #163

FINAL APPROVAL BY
ROCHESTER PLANNING BOARD
CERTIFIED BY: _____
DATE: _____

WETLAND NOTE:

THE WETLAND DELINEATION WAS COMPLETED NOVEMBER, 2018 IN ACCORDANCE WITH THE 1987 CORP OF ENGINEERS WETLAND DELINEATION MANUAL. JURISDICTIONAL WETLANDS WERE IDENTIFIED AND DELINEATED USING THE ROUTINE DETERMINATIONS METHOD AS OUTLINED IN THE MANUAL. THE DELINEATION WAS DONE BY:

DAMON BURT, CERTIFIED WETLAND SCIENTIST #163
FRAGGLE ROCK ENVIRONMENTAL SERVICES

NOTES:

- OWNER: S & L SWEET PROPERTIES, LLC
P.O. BOX 234
STRAFFORD, NH 03884
- TAX MAP 204, LOT 34
- LOT AREA: 684,106 Sq. Ft., 15.70 Ac.
- S.C.R.D. BOOK 4610, PAGE 236
- ZONING: AGRICULTURAL, NEITHER MUNICIPAL WATER OR SEWER SETBACKS:
MIN. ROAD FRONTAGE: 150'
MIN. LOT SIZE: 45,000 Sq. Ft.
FRONT: 20.0'
SIDE: 10.0'
REAR: 20.0'
WETLAND BUFFER: 50'
MAX. BUILDING FOOTPRINT: 30%
MAX. LOT COVERAGE: 35%
MAX. BUILDING HEIGHT: 35%
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C02010, DATED: MAY 17, 2005.
- VERTICAL DATUM BASED ON USGS NAVD83 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
- THE INTENT OF THIS PLAN IS TO SUBDIVIDE TAX MAP 204, LOT 34 INTO 3 INDIVIDUAL LOTS USING THE CITY OF ROCHESTER PORK CHOP SUBDIVISION REGULATIONS. THIS IS A 2 SHEET PLAN SET. SHEET 1 IS THE SUBDIVISION SHEET. SHEET 2 IS A TOPOGRAPHY SHEET. SHEET 1 WILL BE RECORDED AT THE STRAFFORD COUNTY REGISTRY OF DEEDS. SHEET 2 WILL BE ON FILE AT THIS OFFICE AND THE CITY OF ROCHESTER.
- THE CURRENT USE OF THE PROPERTY IS VACANT LAND. ALL PROPOSED LOTS WILL BE FOR RESIDENTIAL HOMES WITH ON SITE WELLS AND SEPTIC SYSTEMS.
- NHDES SUBDIVISION APPROVAL WILL BE REQUIRED FOR LOT FOR LOTS 34 & 34-2.
- THERE WERE NO CEMETERIES OBSERVED ON THE PARCEL WHEN THE FIELD WORK WAS TAKING PLACE.

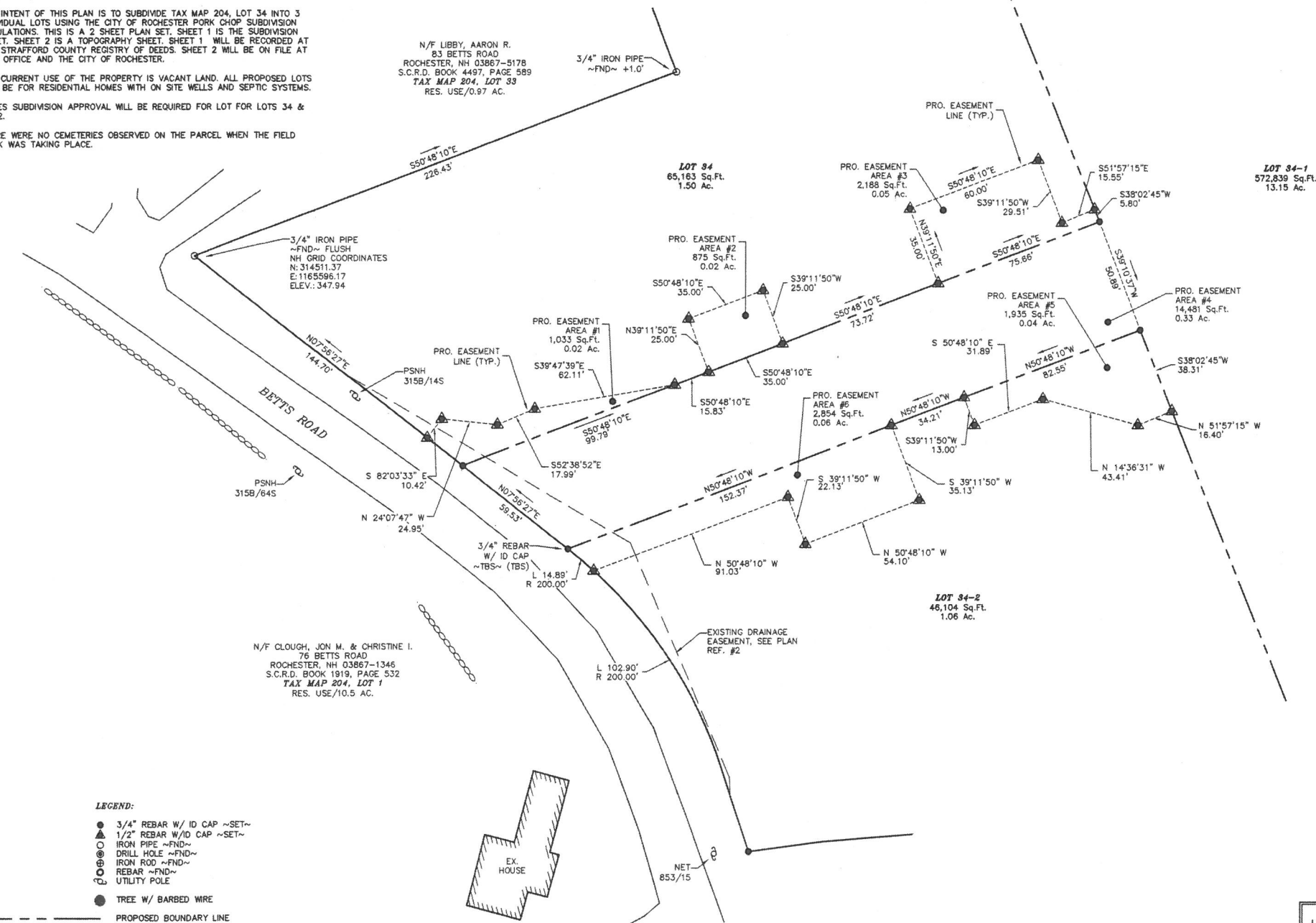
PLAN REFERENCES:

- "PLAN OF LAND IN ROCHESTER, N.H. FOR GLENDON ATKINSON"
BY: NORTH COUNTRY SURVEYORS
DATED: OCTOBER 7, 1990
S.C.R.D. PLAN #22A-19
- "LAND ACQUISITION PLAN, BETTS ROAD, ROCHESTER, N.H. FOR VICTORIA LAMBERT, ETAL. AND THE CITY OF ROCHESTER"
BY: NORWAY PLAINS ASSOCIATES, INC.
DATED: MARCH 2001
S.C.R.D. PLAN #66-8
- "A CLUSTER SUBDIVISION, ROCHESTER, N.H. FOR LILAC HILL GROUP INC."
BY: NORWAY PLAINS SURVEY ASSOCIATES, INC.
DATED: MARCH 17, 1987
S.C.R.D. PLAN #38A-116
- "BIRCHWOOD GROVE MOBILE HOME COMMUNITY, ROCHESTER NEW HAMPSHIRE, SHEET 1 OF 2"
BY: DICKSON, HOLDEN AND ASSOCIATES
DATED: JANUARY 30, 1976
S.C.R.D. PLAN #16A-86
- "BIRCHWOOD GROVE MOBILE HOME COMMUNITY, ROCHESTER NEW HAMPSHIRE, SHEET 2 OF 2"
BY: DICKSON, HOLDEN AND ASSOCIATES
DATED: JANUARY 30, 1976
S.C.R.D. PLAN #16A-87

PLAN REFERENCES CONT.:

- "PLAN OF LAND OF WAYNE CHICK AND RICHARD LUNEAU, ROCHESTER, N.H."
BY: T.W. CHESLEY
DATED: OCTOBER 1971
S.C.R.D. POCKET #6, FOLDER #3, PLAN #25
- "A SURVEY AND PLAT OF PROPERTY PREPARED FOR LEEMILT'S PETROLEUM, INC., SITUATED IN THE CITY OF ROCHESTER, NEW HAMPSHIRE"
BY: CYGNET SURVEYS, INC.
DATED: SEPTEMBER 1989
S.C.R.D. PLAN #37A-4
- "RIGHT-OF-WAY AND TRACK MAP, BOSTON AND MAINE R.R. OPERATED BY THE BOSTON AND MAINE R.R. STATION 824+70 TO STATION 877+50, V.4, N.H./17"
BY: OFFICE OF VALUATION ENGINEER
DATED: JUNE 30, 1914

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SUBDIVISION PLAN, THE SUBDIVISION APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SUBDIVISION REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INsofar AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SUBDIVISION APPROVAL.



LEGEND:

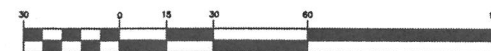
- 3/4\" REBAR W/ ID CAP ~SET~
- 1/2\" REBAR W/ID CAP ~SET~
- IRON PIPE ~FND~
- DRILL HOLE ~FND~
- IRON ROD ~FND~
- REBAR ~FND~
- UTILITY POLE
- TREE W/ BARBED WIRE
- PROPOSED BOUNDARY LINE
- BUILDING SETBACK LINE
- EXISTING EASEMENT
- WETLAND LINE
- 50' WETLAND BUFFER
- STONE WALL
- STONE WALL REMAINS
- FOUND
- TYP
- TBS
- S.C.R.D.
- STRAFFORD COUNTY REGISTRY OF DEEDS

N/F LIBBY, AARON R.
83 BETTS ROAD
ROCHESTER, NH 03867-5178
S.C.R.D. BOOK 4497, PAGE 589
TAX MAP 204, LOT 39
RES. USE/0.97 AC.

N/F CLOUGH, JON M. & CHRISTINE I.
76 BETTS ROAD
ROCHESTER, NH 03867-1346
S.C.R.D. BOOK 1919, PAGE 532
TAX MAP 204, LOT 1
RES. USE/10.5 AC.

LOCATION PLAN
ROCHESTER, NH
NOT TO SCALE

GRAPHIC SCALE



FINAL APPROVAL
ROCHESTER PLANNING BOARD
CERTIFIED BY: _____
DATE: _____

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND OF THE CITY OF ROCHESTER, N.H. - 1:10,000 -
KENNETH A. BERRY LLS 805 DATE 11-14-19

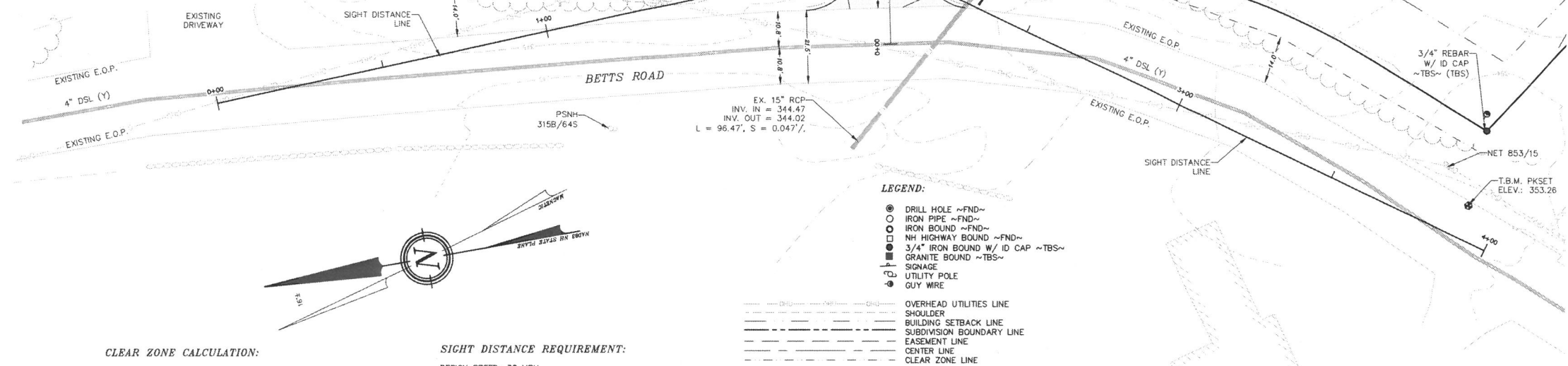
#2	7/19/19	REVISED PER N-O-D
#1	6/27/19	REVISED PER STAFF REVIEW
REVISION	DATE	DESCRIPTION
SUBDIVISION PLAN FOR S & L SWEET PROPERTIES, LLC BETTS ROAD ROCHESTER, N.H. TAX MAP 204, LOT 34		
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. (603)332-2863		
SCALE : 1 IN. EQUALS 30 FT.		
DATE : MARCH 1, 2019		
FILE NO. : DB 2018-155		

NOTES:

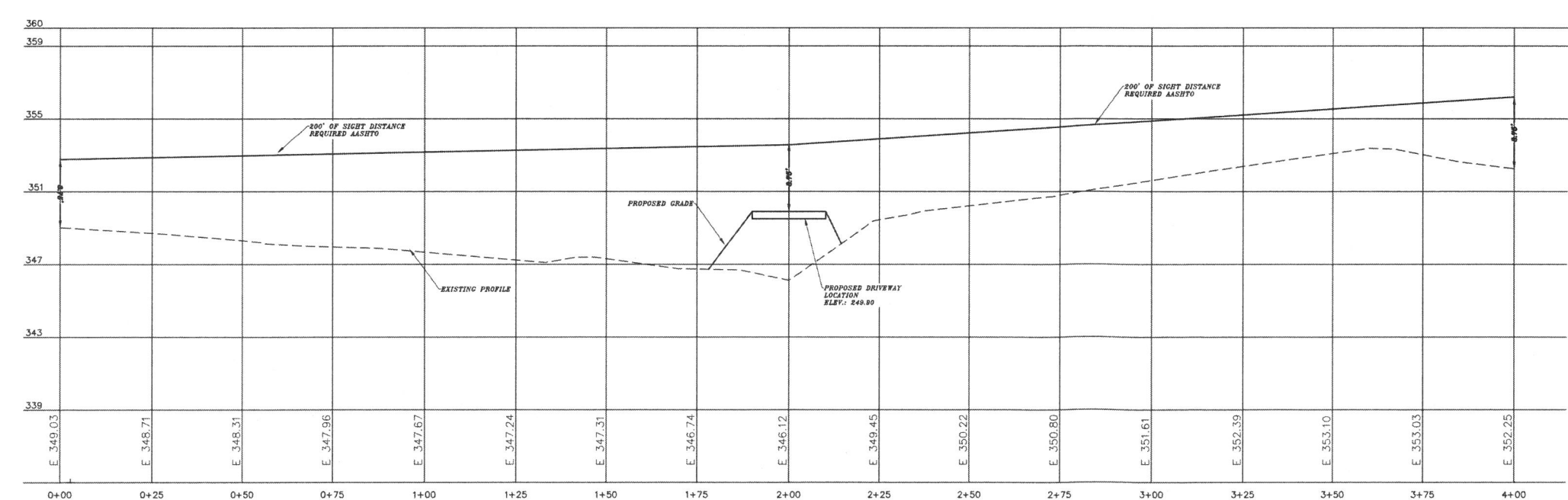
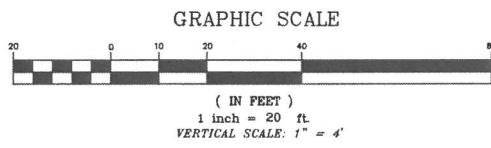
- OWNER: S & L SWEET PROPERTIES, LLC
P.O. BOX 234
STRAFFORD, NH 03884
- TAX MAP 204, LOT 34
- LOT AREA: 684,106 Sq. Ft., 15.70 ACRES
- S.C.R.D. BOOK 4610, PAGE 236
- THIS IS A RESIDENTIAL SUBDIVISION, WITH A RESIDENTIAL DRIVEWAY.
- THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE AVAILABLE SIGHT DISTANCE FROM THE PROPOSED DRIVEWAY.
- EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 2' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.
- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2010. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES CALL "DIG-SAFE" 1-888-DIGSAFE (344-7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.
- WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

NOTES CONT.:

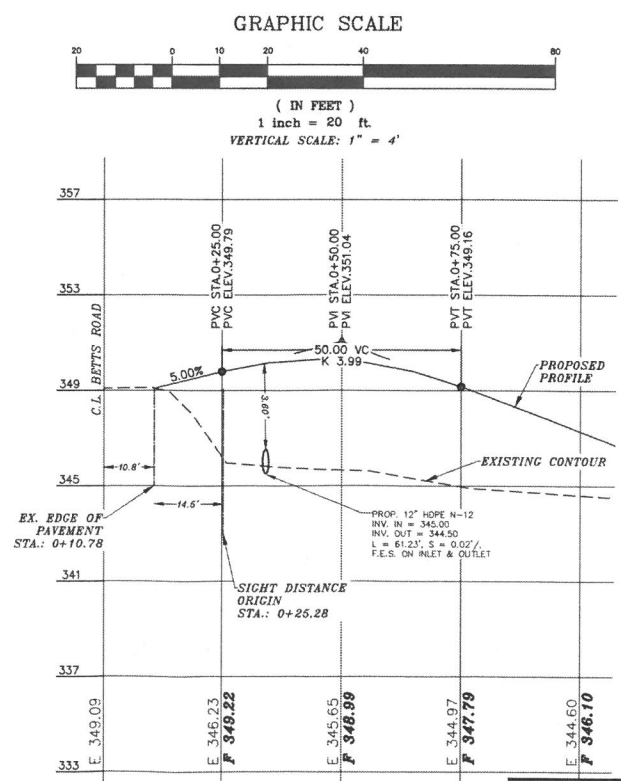
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE & RESET" (R & R).
- ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
- ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH (T) SHALL BE THERMOPLASTIC.
- THE SPEED LIMIT ON BETTS ROAD IS 30 MPH.



PLAN VIEW BETTS ROAD
PROFILE VIEW SIGHT LINE



PROFILE VIEW PROPOSED DRIVEWAY



SD-1

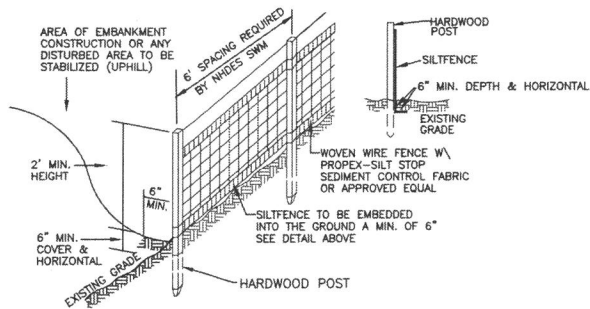
REVISION	DATE	DESCRIPTION
#2	7-19-19 6-27-19	REVISED PER N-O-D REVISED PER STAFF COMMENTS

SIGHT DISTANCE PLAN
FOR
OWNER
S & L SWEET PROPERTIES, LLC
BETTS ROAD
ROCHESTER, NH
TAX MAP 204, LOT 34

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: 1 IN. EQUALS 20 FT.
DATE: MARCH 1, 2019
FILE NO.: DB 2018 - 155

KENNETH A. BERRY
No. 14243
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW HAMPSHIRE

E1

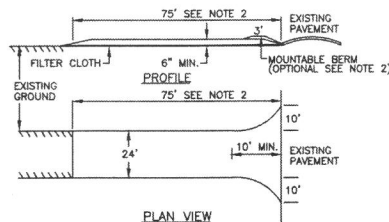


SILT FENCE CONSTRUCTION SPECIFICATIONS

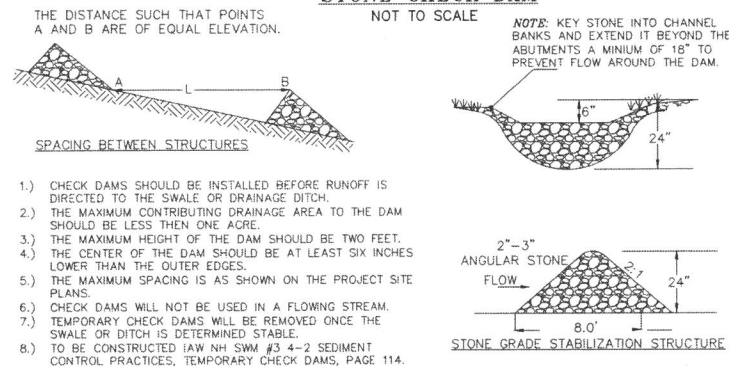
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 6" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF. SEE MAINTENANCE NOTE BELOW, REMOVAL OF SEDIMENT REQUIRED AT A DEPTH OF 6-INCHES.
4. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
5. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
6. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
7. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

SILT FENCE MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
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 REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

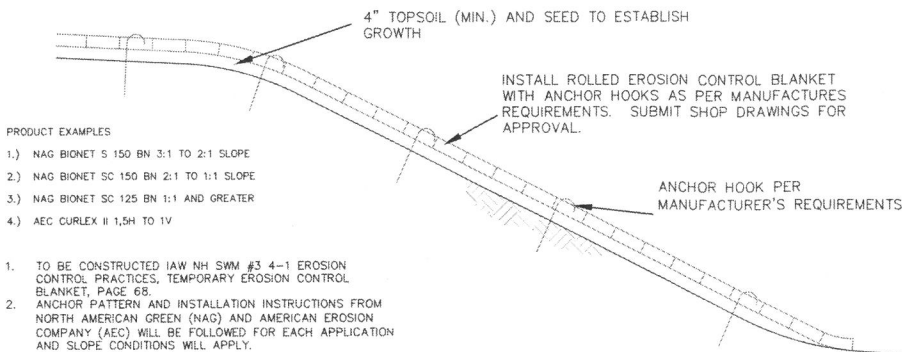
SILT FENCE DETAIL
NOT TO SCALEE5 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE 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 STONE.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTION EXIT, PAGE 124.

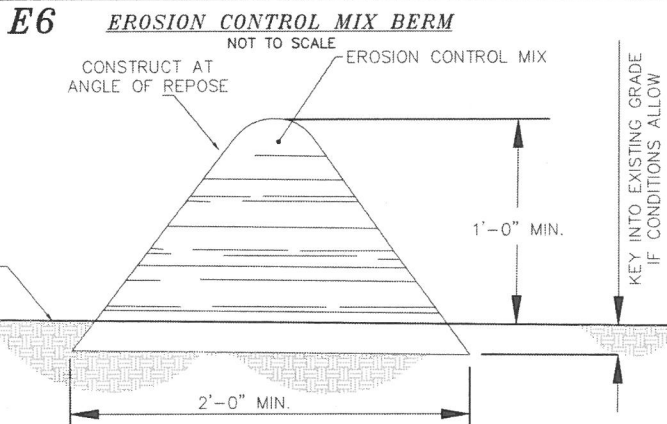
STONE CHECK DAM
NOT TO SCALE

1. CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THAN ONE ACRE.
3. THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
4. THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.
5. THE MAXIMUM SPACING IS AS SHOWN ON THE PROJECT SITE PLANS.
6. CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM.
7. TEMPORARY CHECK DAMS WILL BE REMOVED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.
8. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CHECK DAMS, PAGE 114.

E2

ROLLED EROSION CONTROL BLANKET (RECB)
SLOPE STABILIZATION DETAIL

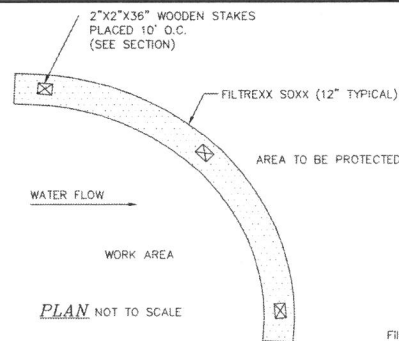
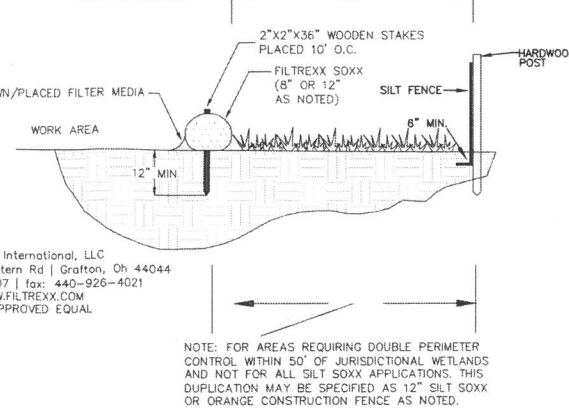
E6



- EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:
1. BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
 2. THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
 3. THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%.
 4. SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100% DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
 5. THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
 6. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
 7. THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
 8. THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
 9. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

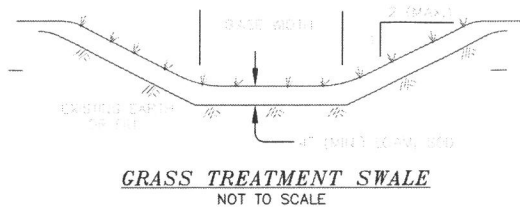
E10

E11

FILTREXX SEDIMENT CONTROL
NOT TO SCALE

SECTION NOT TO SCALE

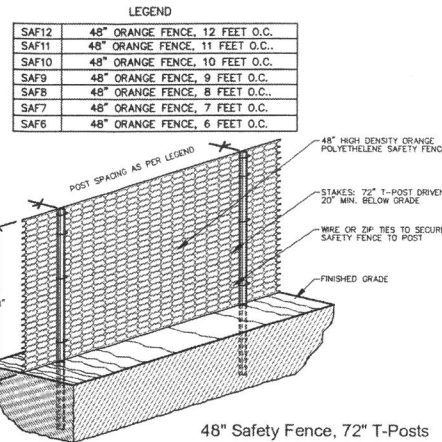
E3



- GRASS TREATMENT SWALE
NOT TO SCALE
- INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY.
- MOW GRASS ANNUALLY TO A DEPTH OF 4".
- INSTALL STABILIZATION MATTING DURING CONSTRUCTION

TO BE CONSTRUCTED IAW NH SWM #2 CHAPTER 4, #6 TREATMENT SWALES, PAGE 123.

E4

CONSTRUCTION SAFETY FENCE
NOT TO SCALE

- 48" Safety Fence, 72" T-Posts
1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
3. WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE DRIP LINE OF THE TREE.
4. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
5. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

E8

DEFINITION OF STABLE:

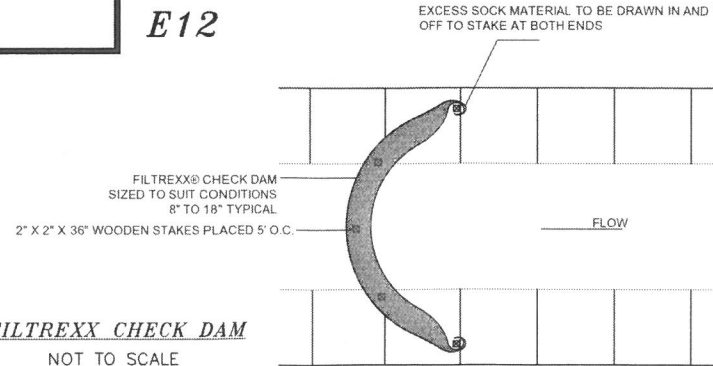
PER ENV-WQ 1500 ALTERATION OF TERRAIN

1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
2. A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
3. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
4. OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
5. HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.
6. DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

E9

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES			
d50 SIZE=	0.5	FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO	
100%	9	12	
85%	8	11	
50%	6	9	
15%	2	3	

E12

FILTREXX CHECK DAM
NOT TO SCALE

- NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
 2. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
 3. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
 4. CHECK DAM CAN BE DIRECT SEEDING AT THE TIME OF INSTALLATION.
 5. CONTRACTOR IS REQUIRED TO BE A FILTREXX CERTIFIED™ INSTALLER.

E-101

#2	#1	7-19-19	REVISION	DATE	DESCRIPTION
		6-27-19			
		REVISED PER N-O-D			
		REVISED PER STAFF COMMENTS			

FOR OWNER		EROSION AND SEDIMENT CONTROL DETAILS	
S & L SWEET PROPERTIES, LLC			
BETTS ROAD			
ROCHESTER, NH			
TAX MAP 204, LOT 34			

BERRY SURVEYING & ENGINEERING		335 SECOND CROWN POINT ROAD	
BARRINGTON, NH 03825		(603)332-2863	
SCALE : AS SHOWN		DATE : MARCH 1, 2019	
FILE NO. : DB 2018 - 155			



SHEET 6 OF 9

C1

NOTE: Temporary seed mix for stabilization of turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 s.f. and shall be placed prior to OCT. 15, if permanent seeding not yet complete.

SEEDING GUIDE

USE	SEEDING MIXTURE 1/	DROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	B	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	C	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	D	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	E	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	F	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	G	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	H	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	I	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	J	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	K	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	L	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	M	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	N	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	O	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	P	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	Q	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	R	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	S	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	T	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	U	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	V	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	W	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	X	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	Y	FAIR	POOR	GOOD	FAIR
WATERWAYS, OTHER CHANNELS WITH FLOWING WATER	Z	FAIR	POOR	GOOD	FAIR

SEEDING RATES

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 Sq. Ft.
A. TALL FESCUE	20	0.45
B. CREEPING RED FESCUE	20	0.45
C. RED TOP	42	0.95
D. TALL FESCUE	10	0.35
E. CREEPING RED FESCUE	10	0.35
F. CROWN VETCH	15	0.35
G. FLAT PEA	40	0.95
H. TOTAL	150	3.80

CONSERVATION MIX	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
TALL FESCUE (24%)	15	0.35
CREEPING RED FESCUE (24%)	15	0.35
ANNUAL RYEGRASS (8%)	5	0.12
PERENNIAL RYEGRASS (8%)	5	0.12
KENTUCKY BLUEGRASS (24%)	15	0.35
WHITE CLOVER (12%)	7	0.16

SEEDING SPECIFICATIONS

- GRADING AND SHAPING
 - SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED.
 - WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION
 - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEED BED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
- ESTABLISHING A STAND
 - LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING.
 - AND INCORPORATED INTO THE SOIL KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
 - AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100LBS. PER 1,000 SQ.FT.
 - NITROGEN(N), 50LBS. PER ACRE OR 1.1LBS. PER 1,000 SQ.FT.
 - PHOSPHATE(P2O5), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
 - POTASH(K2O), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
 - (NOTE: THIS IS THE EQUIVALENT OF 500LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000LBS. PER ACRE OF 5-10-10.)

- SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
- REFER TO TABLE(G-E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-E1 THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWN VETCH, BIRDSFOOT TREFOIL, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
- WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
- MULCH
 - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 50LBS PER 1000 S.F.
- MAINTENANCE TO ESTABLISH A STAND
 - PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
 - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.
- TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, PERMANENT VEGETATION, PAGE 60.

C2

WINTER STABILIZATION NOTES

- ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.
- ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.
- PRIOR TO NOV. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15-25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.
- AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

C3

CONSTRUCTION SEQUENCE:

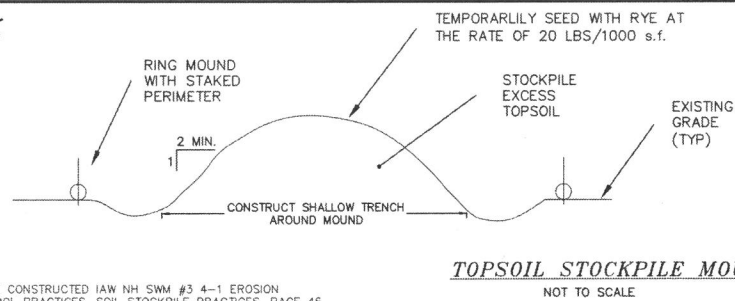
- CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.
- CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.
- EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS.
- CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
- CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
- CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY
- START BUILDING CONSTRUCTION
- INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 60 DAYS BEFORE BEING STABILIZED. DAILY, OR AS REQUIRED, ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
- CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESWI), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWO). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
- SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
- FINISH PAVING ALL ROADWAYS.

C4

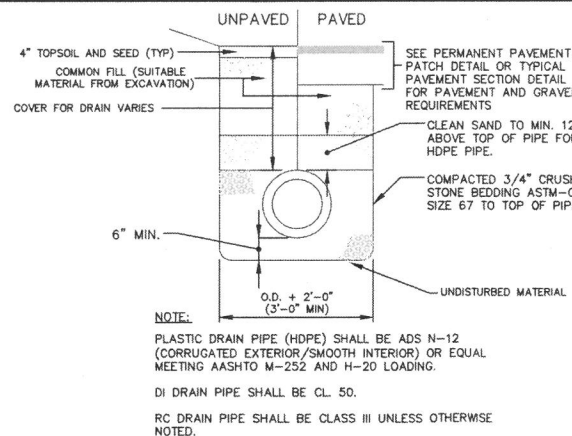
TEMPORARY EROSION CONTROL MEASURES

- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS THIS SHEET)
- ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 45 DAYS, AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
- SILT FENCES AND PERIMETER BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- PER THE EPA CDP REQUIREMENTS THERE WILL BE REPORTS OF THE EROSION CONTROL INSPECTIONS IAW SWPPP PREPARED BY BS&E. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OR GREATER RAIN EVENT.
- DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
- DRIVEWAYS AND CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
- STABILIZATION MEANS:
 - A MINIMUM OF 85% OF VEGETATIVE COVER HAS BEEN ESTABLISHED.
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR
 - EROSION CONTROL BLANKETS HAVE BEEN INSTALLED.
- THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
- THE NHDES STORMWATER MANUAL, IN THREE VOLUMES, DATED DECEMBER 2008, IS A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (NH SWM)

C5

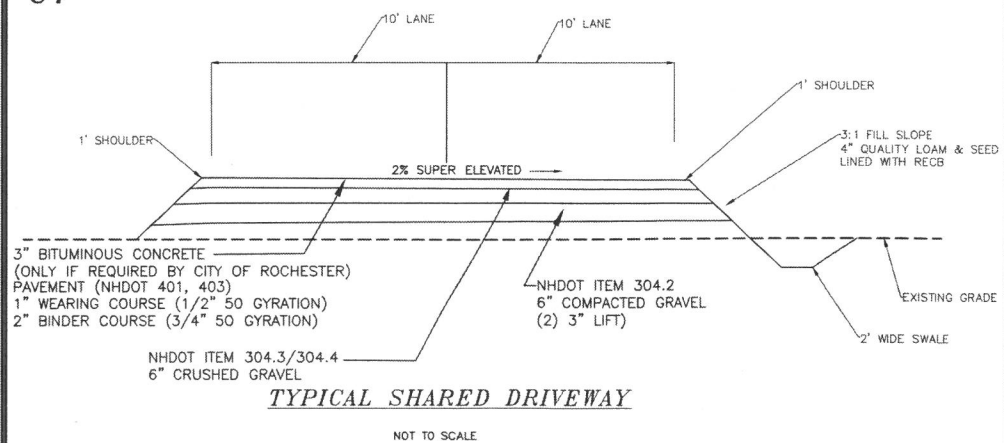


C6

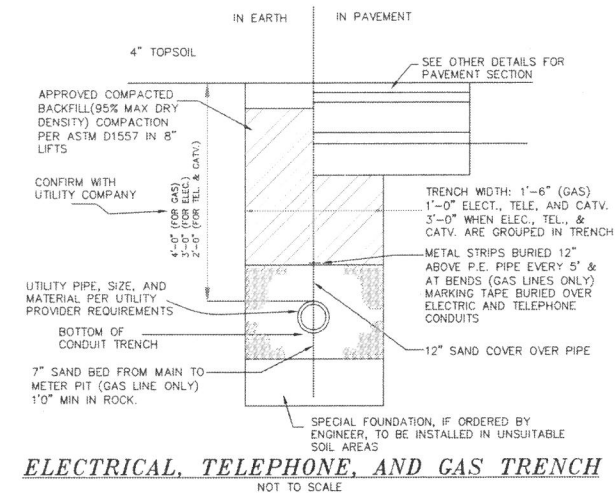


TYPICAL DRAIN AND SEWER PIPE TRENCH

C7



C8



ELECTRICAL, TELEPHONE, AND GAS TRENCH

C9

PART No.	PIPE SIZE	A	B(MAX)	H	L	W
1510-NP	15"	6.5"	10"	6.5"	25"	29"
	375 mm	165 mm	254 mm	165 mm	635 mm	735 mm
1810-NP	18"	7.5"	15"	6.5"	32"	35"
	450 mm	190 mm	380 mm	165 mm	812 mm	890 mm
2410-NP	24"	7.5"	18"	6.5"	36"	45"
	600 mm	190 mm	450 mm	165 mm	900 mm	1140 mm
3010-NP	30"	10.5"	N/A	7.0"	53"	68"
	750 mm	266 mm		178 mm	1345 mm	1725 mm
3610-NP	36"	10.5"	N/A	7.0"	53"	68"
	900 mm	266 mm		178 mm	1345 mm	1725 mm

NOTE: PE THREADED ROD W/ WING NUTS PROVIDED FOR END SECTIONS 15"-24". 30" & 36" END SECTIONS TO BE WELDED PER MANUFACTURER'S RECOMMENDATIONS.

ADS N-12 FLARED END SECTIONS

NOT TO SCALE (ALL DIMENSIONS ARE NOMINAL)

C-101

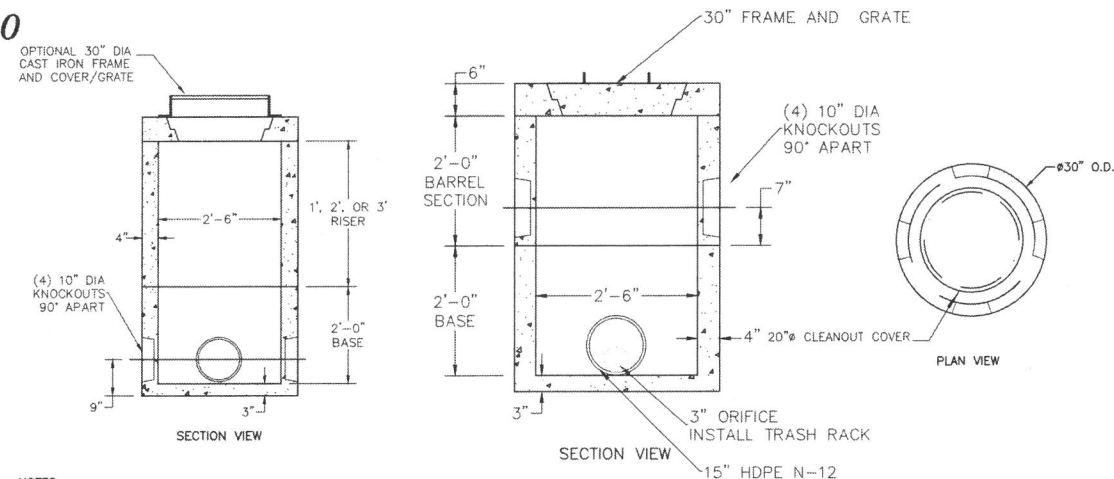
REVISION	DATE	DESCRIPTION
#2	7-19-19 6-27-19	REVISED PER N-O-D REVISED PER STAFF COMMENTS

CONSTRUCTION DETAILS
FOR
OWNER
S & L SWEET PROPERTIES, LLC
BETTS ROAD
ROCHESTER, NH
TAX MAP 204, LOT 34

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE: AS SHOWN
DATE: MARCH 1, 2019
FILE NO.: DB 2018 - 155

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

C10



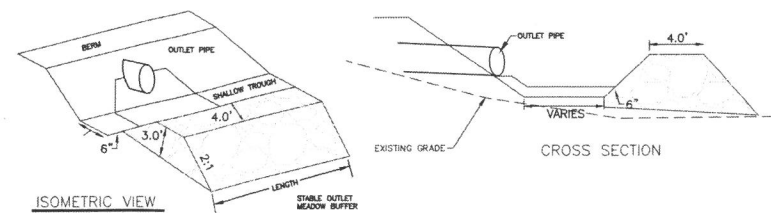
- NOTES
1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
 2. DESIGNED FOR AASHTO HS-20 LOADING, 1-5 FEET COVER
 3. MUST BE SHEA CONCRETE OR EQUAL.

30" MINI CATCH BASIN
NOT TO SCALE

SECTIONS	ITEM NO	WEIGHT
1'-0" RISER	MC-MCB12RH	440#
2'-0" RISER	MC-MCB24RH	880#
3'-0" RISER	MC-MCB36RH	1320#
2'-0" BASE	MC-MCB24SH	1175#
2'-0" BARREL	MC-MCB24BSH	830#
30" COVER	MC-MCB38CH	585#

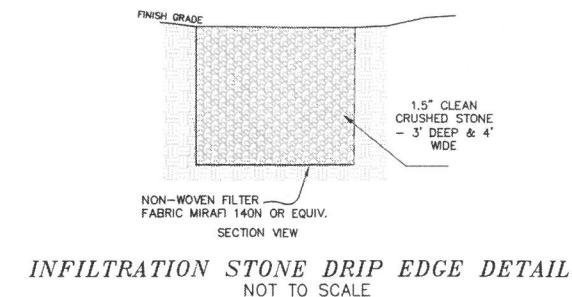
C12

EARTHEN LEVEL SPREADER
NOT TO SCALE



1. CONSTRUCT THE LEVEL SPREADER LIP ON A 0% GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
3. THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING EXCELSIOR ENFORCER MATTING BENEATH THE STONE. EACH STRIP SHALL OVERLAP BY AT LEAST SIX INCHES.
4. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
5. MAINTENANCE: THE LEVEL SPREADER SHOULD BE CHECKED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE IF THE LIP HAS BEEN DAMAGED AND THE DESIGN CONDITIONS HAVE NOT CHANGED. ANY DETRIMENTAL SEDIMENT ACCUMULATION SHOULD BE REMOVED.
6. THE BERM FOR THE LEVEL SPREADER IS TO BE MADE ENTIRELY OF RIP-RAP AS SHOWN TO PREVENT LONG TERM PONDING WITHIN THE LEVEL SPREADER. CONTRACTOR TO USE 3"-6" CLEAN ANGULAR STONE FOR THE BERM.

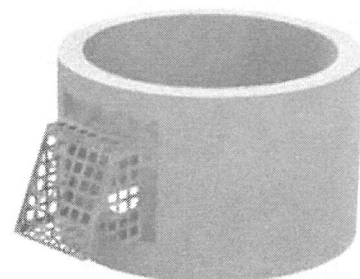
C13



INFILTRATION STONE DRIP EDGE DETAIL
NOT TO SCALE

C14

Angle Grates For Manholes



AG0808-58
Part No. AG0808-58

Save Trees

Angle Grates are designed to cover inlet orifices and prevent small to medium debris from passing through. The top angled design helps to minimize the amount of debris that settles on top after the water recedes. All grates are made from plate for a clean and smooth contact surface.

- Plate design for a clean appearance
- Standard 2" openings (other sizes can be made)
- Angled top/front plate to maximize debris deflection
- Mounting flanges on 3 sides allows grate to be mounted at floor level inverts
- Galvanized steel construction. Can be made from aluminum or stainless steel.

NOTE:
MUST BE HAALA INDUSTRIES INC. OR EQUAL.

ANGLE GRATE

C15

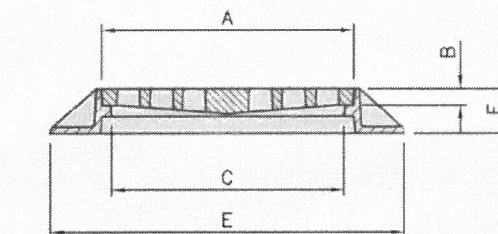
ROUND MANHOLE CATCH BASINS

Catalog Number	A Grate Diameter	B Grate Thickness	C Clear Opening	E Flange OD	F Flange Height	Grate Type	Drain Area Sq. Ft.
MCB-82	13-1/4	1-1/2	11-1/2	17-5/8	4	B	0.4
MCB-162	21-7/8	1-1/2	20-1/4	26-5/8	4	B	1.1
MCB-210	22-3/4	1-1/2	20	25	2-3/4	B,R,BH	1.3
MCB-260	22-3/4	1-1/2	21	32	4	B,R,BH	1.3
MCB-315	22-3/4	1-3/4	21	34	7	R,BH	1.0
MCB-350	22-3/4	1-1/2	21	35	7	B,R,BH	1.3
MCB-420	24	1-3/16	22	34	7	B	0.9
MCB-275	24	1-3/16	22	30	4	B	0.9
MCB-206	25-1/4	1-1/2	23-1/2	29-1/2	4	B	1.3
MCB-285	26	1-1/2	24	36	4	B,P,BH	1.3
MCB-375	26	1-1/2	24	36	7	B,P,BH	1.3
MCB-520	31-3/4	1-3/8	30	38	4	B	2.4
MCB-455	33-7/8	1-1/2	32-1/4	38-1/2	4	B	2.7
MCB-747	38	2	36	46	6	B	3.3
MCB-900	50-1/4	2	46	56-1/2	6	B	5.3

B = Bar Grate, R = Radial, P = ADA/Pedestrian, BH = Beehive

Other Sizes Available

- NOTES
1. CONTRACTOR TO USE A 30" GRATE.
 2. DESIGNED FOR AASHTO HS-20 LOADING, 1-5 FEET COVER.
 3. CONTRACTOR MAY USE REBAR MESH COVER IN PLACE OF A 30" GRATE.



- ✓ All flat grates designed for H-20 traffic loading
- ✓ All sizes interchangeable with solid covers
- ✓ Options: Bolted

C-102

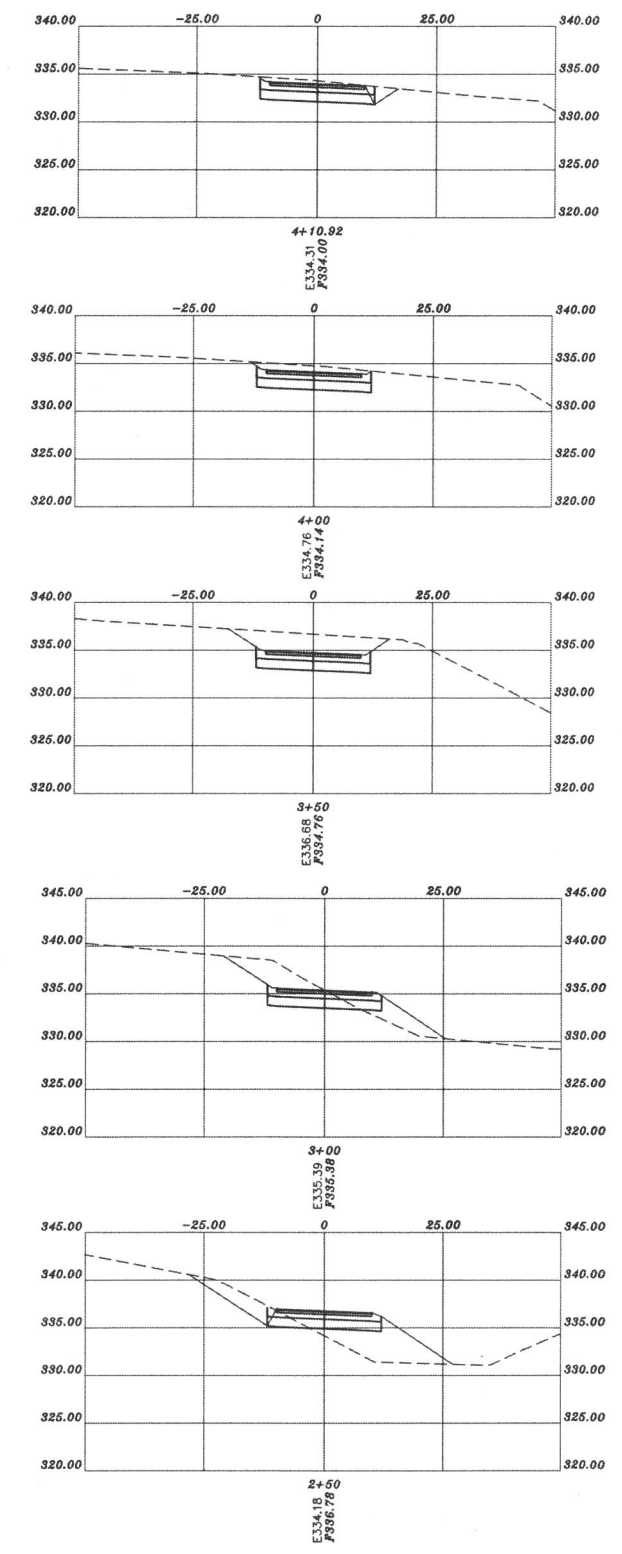
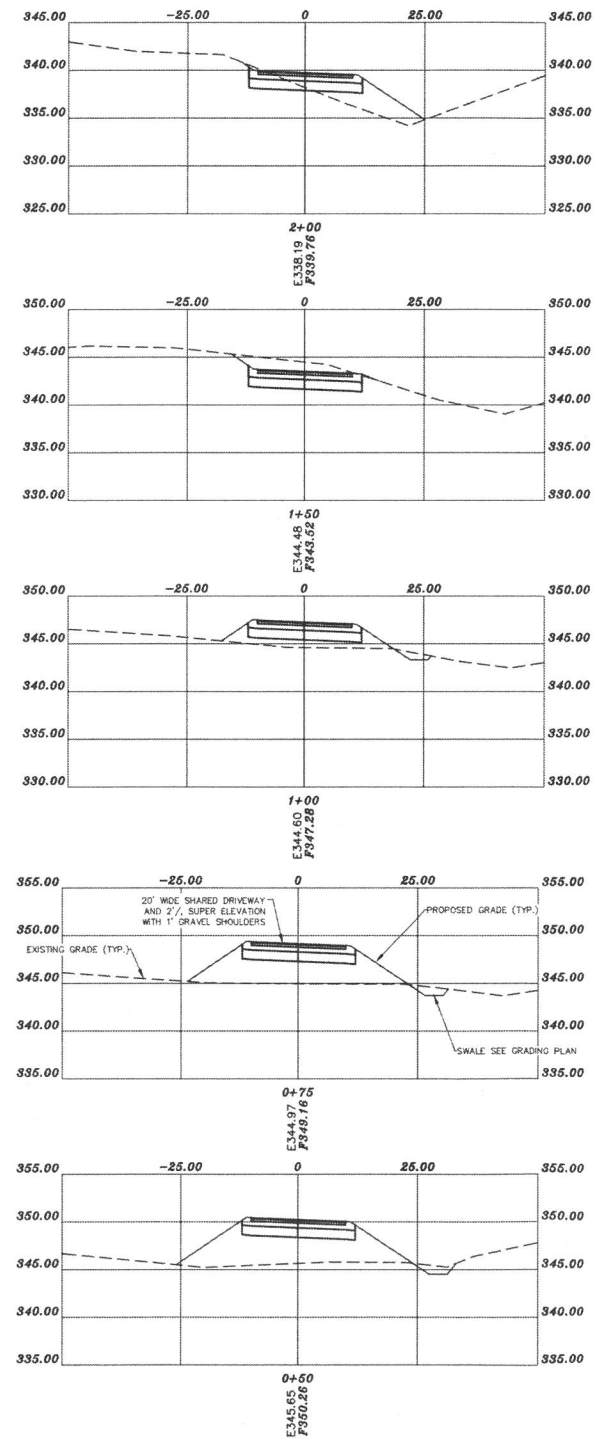
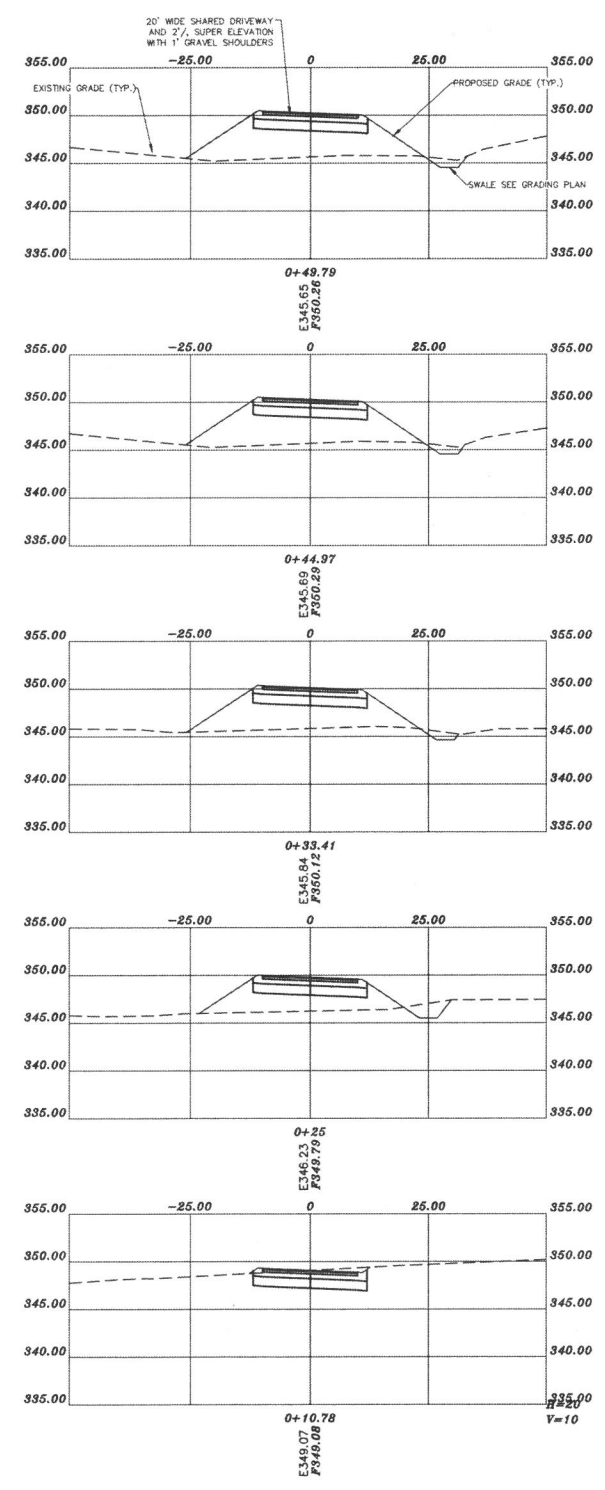
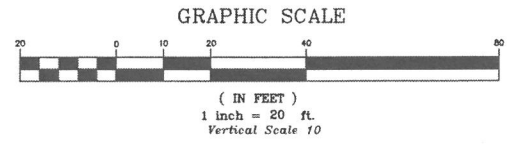


SHEET 8 OF 9

CONSTRUCTION DETAILS
FOR
OWNER
S & L SWEET PROPERTIES, LLC
BETTS ROAD
ROCHESTER, NH
TAX MAP 204, LOT 34

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : AS SHOWN
DATE : MARCH 1, 2019
FILE NO. : DB 2018 - 155

REVISION	DATE	DESCRIPTION
#2	7-19-19 6-27-19	REVISED PER N-O-D REVISED PER STAFF COMMENTS



BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 20 FT.
DATE : MARCH 1, 2019
FILE NO. : DB 2018 - 155

KENNETH A. BERRY
No. 14243
REGISTERED PROFESSIONAL ENGINEER

CROSS SECTIONS SHARED DRIVEWAY
FOR
OWNER
S & L SWEET PROPERTIES, LLC
BETTS ROAD
ROCHESTER, NH
TAX MAP 204, LOT 34

REVISION	DATE	DESCRIPTION
#2	7-19-19	REVISED PER N-O-D
#1	6-27-19	REVISED PER STAFF COMMENTS