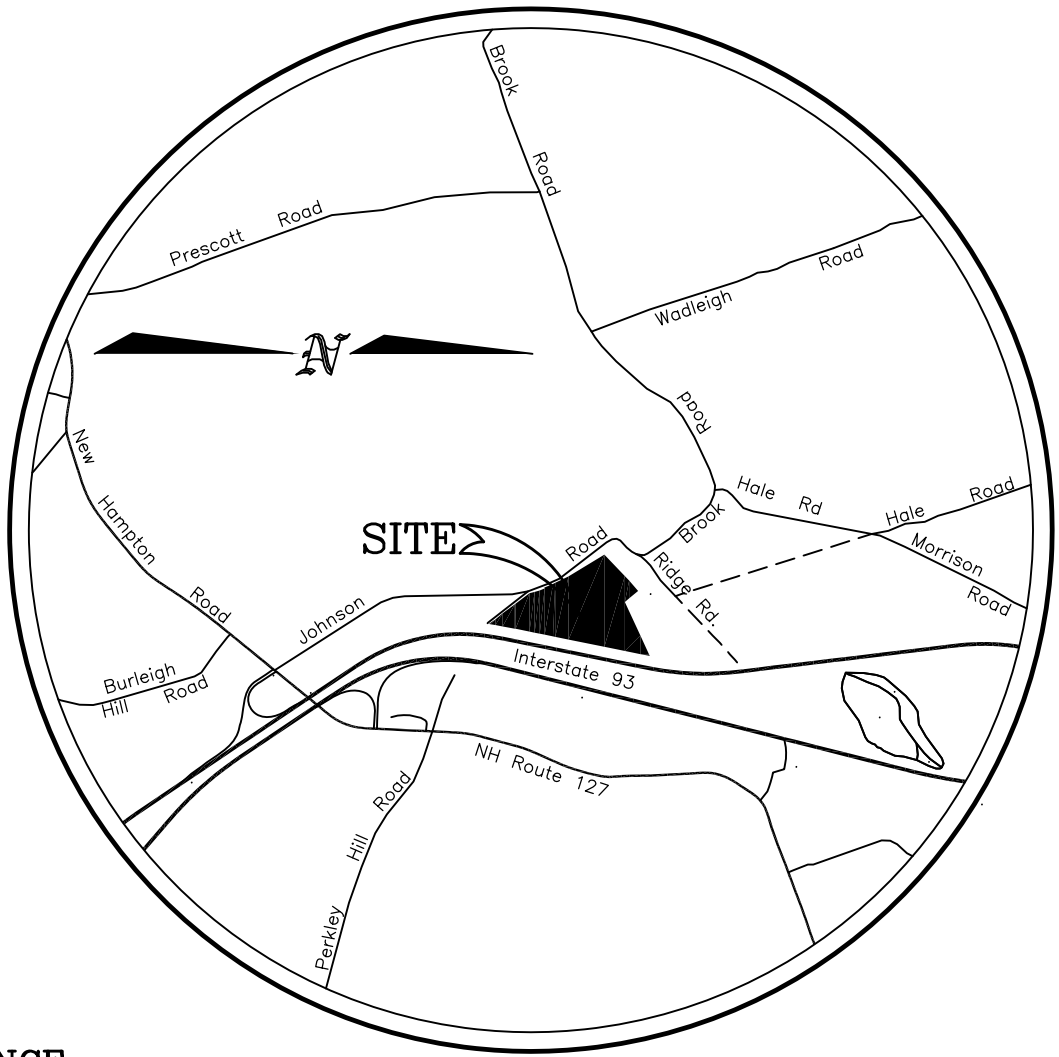
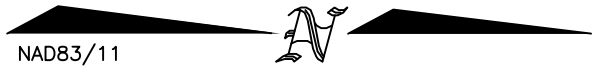


NRCS SOILS
SOILS INFORMATION IS FROM THE USDA NATURAL RESOURCE
CONSERVATION SERVICE FOR MERRIMACK AND BELKNAP COUNTY

35B - CHAMPLAIN LOAMY FINE SAND 3-8% SLOPES
35C - CHAMPLAIN LOAMY FINE SAND 8-15% SLOPES



PLAN REFERENCE

1. BOUNDARY PLAN TAX MAP 58 AND 105 JOHNSON ROAD SANBORNTON, NEW HAMPSHIRE [CLIENT/DEED HOLDER] JOSEPH W. FRENCH, JR PO BOX 184 CONTOOCOOK, NEW HAMPSHIRE 03229 B.C.R.D. BOOK 445 PAGE 438 PREPARED BY CLD CONSULTING ENGINEERS OF MANCHESTER, NH. [SCALE] 1"=100' [DATE] DEC. 2004 RECORDED IN THE BELKNAP COUNTY REGISTRY OF DEEDS IN PLAN DRAWER L53 PLAN 88

PLAN NOTES

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF LOT 15 AS SHOWN ON ASSESSORS MAP 58. THE TOPOGRAPHIC INFORMATION SHOWN HEREON IS FROM SURVEY RECORDS PROVIDED BY CLD CONSULTING ENGINEERS, INC. OF MANCHESTER NEW HAMPSHIRE, WITH LIMITED CORRECTIONS AND UPDATES COMPLETED BY THIS OFFICE IN NOVEMBER 2020. BOUNDARY INFORMATION SHOWN IS FROM PLAN REFERENCE #1 AND THE CURRENT DEEDS RECORDED IN THE BELKNAP COUNTY REGISTRY OF DEEDS IN BOOK 3107 PAGE 832 AND BOOK 3264 PAGE 821.
2. THE JURISDICTIONAL WETLAND BOUNDARY SHOWN HEREON HAVE BEEN VERIFIED BY TIMOTHY F. BERNIER, CERTIFIED WETLAND SCIENTIST #52 OF THIS OFFICE. THE WETLAND BOUNDARY WAS DELINEATED IN THE FIELD ON DECEMBER 14, 2020.
3. THE PROPERTY SHOWN HEREON IS LOCATED IN THE GENERAL AGRICULTURAL ZONING DISTRICT AND SUBJECT TO THE FOLLOWING DIMENSIONAL RESTRICTIONS;
MINIMUM LOT SIZE 3 Ac.
MINIMUM FRONTAGE 220 Ft.
BUILDING SETBACKS
FRONT 30'
SIDE 10'
REAR 10'
4. THE ELEVATIONS SHOWN ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). ALL DISTANCES ARE IN US SURVEY FEET.

EXISTING CONDITIONS
PLAN
**JOHNSON ROAD
GRAVEL PIT**

ASSESSOR'S MAP 15 LOT 58
JOHNSON ROAD
SANBORNTON, NEW HAMPSHIRE
SCALE: 1"=80' DATE: DECEMBER 2020
SHEET 1 OF 5

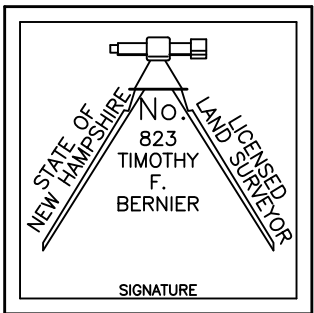
LEGEND

- ANGLE POINT
- STONE BOUND
- NH&B NEW HAMPSHIRE HIGHWAY BOUND
- IRON ROD FOUND
- IRON PIPE FOUND
- UTILITY POLE
- UTILITY POLE W/ANCHOR
- CONIFEROUS TREE
- EXISTING GRADE
- BENCHMARK
- GROUNDWATER MONITORING WELL SIGN

GROUNDWATER MONITORING WELLS

GROUNDWATER WELLS WERE INSTALLED BY GEOTECHNICAL SERVICES INC. OF WEARE NEW HAMPSHIRE DURING APRIL 2020. THE WELLS WERE INITIALLY INSTALLED TO DETERMINE THE PRESENCE OF A SIGNIFICANT AQUIFER. THE WELLS CAN NOW BE USED TO MONITOR THE GROUNDWATER DEPTH AND INSURE ADEQUATE SEPARATION CAN BE MAINTAINED.

WELL	ELEVATION	GROUNDWATER DEPTH/ELEV.	
		APRIL 2020	OCTOBER 2020
GS#1	644.7'	28'/616.7'	32'/612.7'
GS#2	648.6'	57'/591.6'	56'/592.6'
GS#3	621.9'	37'/584.9'	38'/583.9'



OWNER OF RECORD
TAX MAP 15 LOT 58
R.D. EDWARDS LAND HOLDINGS, LLC
225 FRANKLIN STREET
FRANKLIN, NH 03235
BOOK 3107 PAGE 832
&
BOOK 3264 PAGE 821

GRAPHIC SCALE		
80	40	0 40 80 160
NO.	REVISION	DATE



T. F. BERNIER, INC.
Land Surveyors - Designers - Consultants
50 PLEASANT STREET - P.O. BOX 3464
CONCORD, NEW HAMPSHIRE 03302-3464
Tel:(603)224-4148 - Fax:(603)224-0507

DESIGNED BY	DRAWN BY	CHECKED BY	F.B.	PG.	JOB #
TFB	TFB	TFB			521-05
DRAWING NAME					
04_Reclamation Plan					



4-a) MINIMUM AND EXPRESS OPERATIONAL STANDARDS

IT SHALL BE A VIOLATION OF THIS CHAPTER FOR ANY PERSON TO EXCAVATE, OR FOR ANY OWNER TO PERMIT EXCAVATION ON HIS EXCAVATION SITE, WHEN SUCH EXCAVATION IS SUBJECT TO A PERMIT UNDER THIS CHAPTER, WITHOUT COMPLYING WITH THE FOLLOWING MINIMUM STANDARDS OR WHEN SUCH EXCAVATION IS NOT SUBJECT TO A PERMIT UNDER THIS CHAPTER PURSUANT TO RSA 155-E:2 WITHOUT COMPLYING WITH THE FOLLOWING EXPRESS STANDARDS:
I. NO EXCAVATION SHALL BE PERMITTED BELOW ROAD LEVEL WITHIN 50 FEET OF THE RIGHT OF WAY OF ANY PUBLIC HIGHWAY AS DEFINED IN RSA 229:1 UNLESS SUCH EXCAVATION IS FOR THE PURPOSE OF SAID HIGHWAY.

II. NO EXCAVATION SHALL BE PERMITTED WITHIN 50 FEET OF THE BOUNDARY OF A DISAPPROVING ABUTTER, WITHIN 150 FEET OF ANY DWELLING WHICH EITHER EXISTED OR FOR WHICH A BUILDING PERMIT HAS BEEN ISSUED AT THE TIME THE EXCAVATION IS COMMENCED.

II-A. NO EXCAVATION SHALL BE PERMITTED WITHIN 75 FEET OF ANY GREAT POND, NAVIGABLE RIVER, OR ANY OTHER STANDING BODY OF WATER 10 ACRES OR MORE IN AREA OR WITHIN 25 FEET OF ANY OTHER STREAM, RIVER OR BROOK WHICH NORMALLY FLOWS THROUGHOUT THE YEAR, OR ANY NATURALLY OCCURRING STANDING BODY OF WATER LESS THAN 10 ACRES, PRIME WETLAND AS DESIGNATED IN ACCORDANCE WITH RSA 482-A:15, I OR ANY OTHER WETLAND GREATER THAN 5 ACRES IN AREA AS DEFINED BY THE DEPARTMENT OF ENVIRONMENTAL SERVICES.

III. VEGETATION SHALL BE MAINTAINED OR PROVIDED WITHIN THE PERIPHERAL AREAS REQUIRED BY PARAGRAPHS I AND II.

IV. DRAINAGE SHALL BE MAINTAINED SO AS TO PREVENT THE ACCUMULATION OF FREE-STANDING WATER FOR PROLONGED PERIODS. EXCAVATION PRACTICES WHICH RESULT IN CONTINUED SILTATION OF SURFACE WATERS OR ANY DEGRADATION OF WATER QUALITY OF ANY PUBLIC OR PRIVATE WATER SUPPLIES ARE PROHIBITED.

V. NO FUELS, LUBRICANTS, OR OTHER TOXIC OR POLLUTING MATERIALS SHALL BE STORED ON-SITE UNLESS IN COMPLIANCE WITH STATE LAWS OR RULES PERTAINING TO SUCH MATERIALS.

VI. WHERE TEMPORARY SLOPES WILL EXCEED A GRADE OF 1:1, A FENCE OR OTHER SUITABLE BARRICADE SHALL BE ERECTED TO WARN OF DANGER OR LIMIT ACCESS TO THE SITE.

VII. PRIOR TO THE REMOVAL OF TOPSOIL OR OTHER OVERBURDEN MATERIAL FROM ANY LAND AREA THAT HAS NOT YET BEEN EXCAVATED, THE EXCAVATOR SHALL FILE A RECLAMATION BOND OR OTHER SECURITY AS PRESCRIBED BY THE REGULATOR, SUFFICIENT TO SECURE THE RECLAMATION OF THE LAND AREA TO BE EXCAVATED.

VIII. NOTHING IN THIS CHAPTER SHALL BE DEEMED TO SUPERSEDE OR PREEMPT APPLICABLE ENVIRONMENTAL STANDARDS OR PERMIT REQUIREMENTS CONTAINED IN OTHER STATE LAWS, AND NO EXEMPTION UNDER THIS CHAPTER SHALL BE CONSTRUED AS AN EXEMPTION FROM ANY OTHER STATE STATUTE.

Source. 1989, 363:9. 1991, 310:14-17. 1996, 296:36, eff. Aug. 9, 1996.

5) MINIMUM AND EXPRESS RECLAMATION STANDARDS

WITHIN 12 MONTHS AFTER THE EXPIRATION DATE IN A PERMIT ISSUED UNDER THIS CHAPTER, OR OF THE COMPLETION OF ANY EXCAVATION, WHICHEVER OCCURS FIRST, THE OWNER OF THE EXCAVATED LAND SHALL HAVE COMPLETED THE RECLAMATION OF THE AREAS AFFECTED BY THE EXCAVATION TO MEET EACH OF THE FOLLOWING MINIMUM STANDARDS OR WHEN SUCH EXCAVATION IS NOT SUBJECT TO A PERMIT UNDER THIS CHAPTER PURSUANT TO RSA 155-E:2, TO MEET EACH OF THE FOLLOWING EXPRESS STANDARDS:

I. EXCEPT FOR EXPOSED ROCK LEDGE, ALL AREAS WHICH HAVE BEEN AFFECTED BY THE EXCAVATION OR OTHERWISE STRIPPED OF VEGETATION SHALL BE SPREAD WITH TOPSOIL OR STRIPPINGS, IF ANY, BUT IN ANY CASE COVERED BY SOIL CAPABLE OF SUSTAINING VEGETATION, AND SHALL BE PLANTED WITH SEEDLINGS OR GRASS SUITABLE TO PREVENT EROSION. AREAS VISIBLE FROM A PUBLIC WAY, FROM WHICH TREES HAVE BEEN REMOVED, SHALL BE REPLANTED WITH TREE SEEDLINGS, SET OUT IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES.

II. EARTH AND VEGETATIVE DEBRIS RESULTING FROM THE EXCAVATION SHALL BE REMOVED OR OTHERWISE LAWFULLY DISPOSED OF.

III. ALL SLOPES, EXCEPT FOR EXPOSED LEDGE, SHALL BE GRADED TO NATURAL REPOSE FOR THE TYPE OF SOIL OF WHICH THEY ARE COMPOSED SO AS TO CONTROL EROSION OR AT A RATIO OF HORIZONTAL TO VERTICAL PROPOSED BY THE OWNER AND APPROVED BY THE REGULATOR. CHANGES OF SLOPE SHALL NOT BE ABRUPT, BUT SHALL BLEND WITH THE SURROUNDING TERRAIN.

IV. THE ELIMINATION OF ANY STANDING BODIES OF WATER CREATED IN THE EXCAVATION PROJECT AS MAY CONSTITUTE A HAZARD TO HEALTH AND SAFETY.

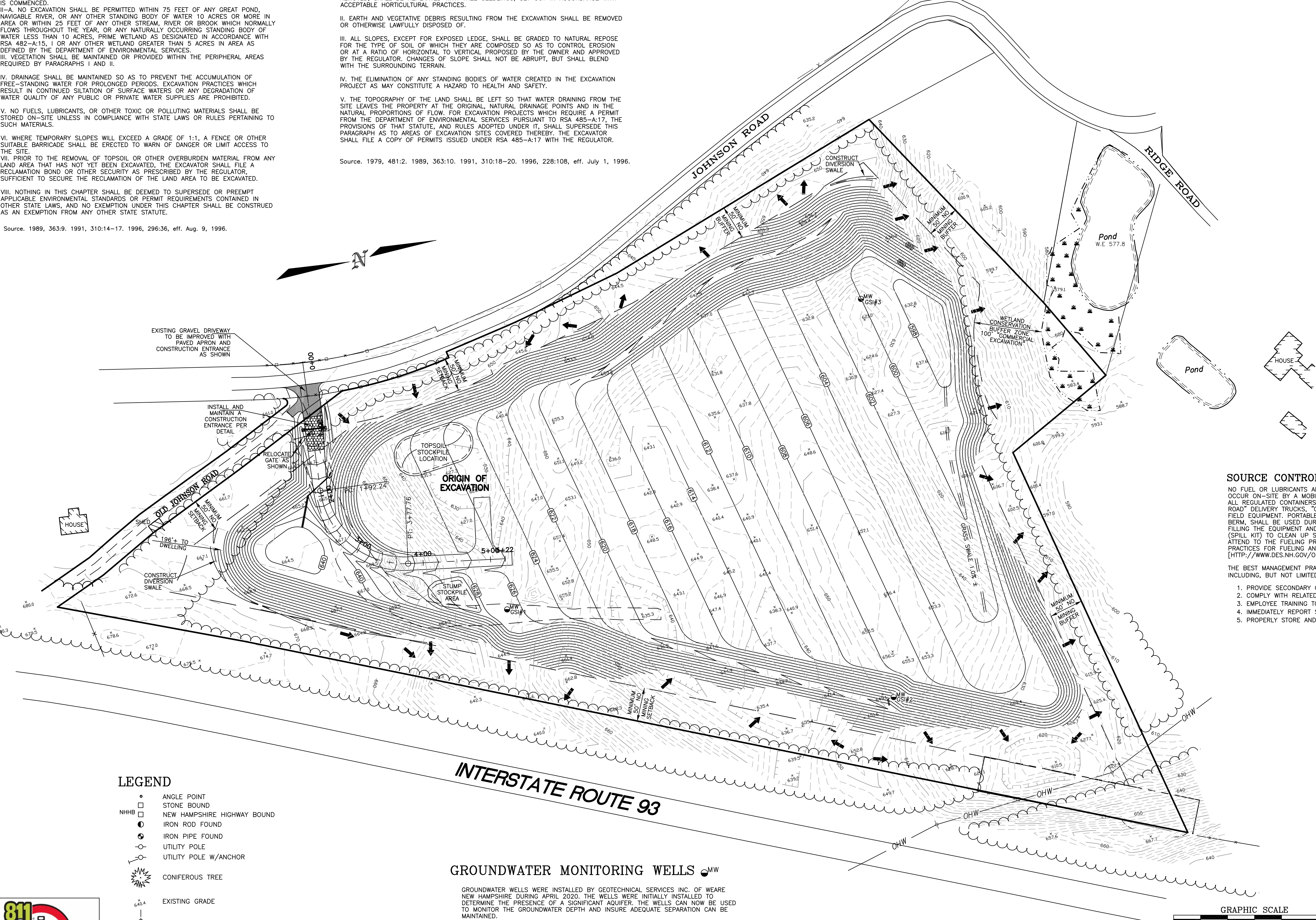
V. THE TOPOGRAPHY OF THE LAND SHALL BE LEFT SO THAT WATER DRAINING FROM THE SITE LEAVES THE PROPERTY AT THE ORIGINAL, NATURAL DRAINAGE POINTS AND IN THE NATURAL PROPORTIONS OF FLOW. FOR EXCAVATION PROJECTS WHICH REQUIRE A PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL SERVICES PURSUANT TO RSA 485-A:17, THE PROVISIONS OF THAT STATUTE, AND RULES ADOPTED UNDER IT, SHALL SUPERSEDE THIS PARAGRAPH AS TO AREAS OF EXCAVATION SITES COVERED THEREBY. THE EXCAVATOR SHALL FILE A COPY OF PERMITS ISSUED UNDER RSA 485-A:17 WITH THE REGULATOR.

Source. 1979, 481:2. 1989, 363:10. 1991, 310:18-20. 1996, 228:108, eff. July 1, 1996.

5-a) MINIMUM AND EXPRESS RECLAMATION STANDARDS

EXCEPT FOR EXCAVATION SITES OF OPERATING STATIONARY MANUFACTURING PLANTS, ANY EXCAVATED AREA OF 5 CONTIGUOUS ACRES OR MORE, WHICH IS DEPLETED OF COMMERCIAL EARTH MATERIALS, EXCLUDING BEDROCK, OR ANY EXCAVATION FROM WHICH EARTH MATERIALS OF SUFFICIENT WEIGHT OR VOLUME TO BE COMMERCIALY USEFUL HAVE NOT BEEN REMOVED FOR A 2-YEAR PERIOD, SHALL BE RECLAIMED IN ACCORDANCE WITH RSA 155-E:5, WITHIN 12 MONTHS FOLLOWING SUCH DEPLETION OR 2-YEAR NON-USE, REGARDLESS OF WHETHER OTHER EXCAVATION IS OCCURRING ON ADJACENT LAND IN CONTIGUOUS OWNERSHIP. EACH OPERATOR OTHER THAN THE OPERATOR OF STATIONARY MANUFACTURING PLANTS WHICH ARE EXEMPT FROM PERMIT REQUIREMENTS PURSUANT TO RSA 155-E:2, III, SHALL PREPARE AND SUBMIT FOR THE REGULATOR'S RECORD A RECLAMATION PLAN FOR THE AFFECTED LAND, INCLUDING A TIMETABLE FOR RECLAMATION OF THE DEPLETED AREAS WITHIN THE RECLAMATION SITE.

Source. 1989, 363:11. 1991, 310:21, eff. Aug. 23, 1991.



LEGEND

- ANGLE POINT
- STONE BOUND
- ▣ NEW HAMPSHIRE HIGHWAY BOUND
- IRON ROD FOUND
- ⊙ IRON PIPE FOUND
- ⊕ UTILITY POLE
- ⊕ UTILITY POLE W/ANCHOR
- ☼ CONIFEROUS TREE
- EXISTING GRADE
- BENCHMARK
- GROUNDWATER MONITORING WELL
- SIGN
- ➔ PRE AND POST STORMWATER DRAINAGE VECTOR

GROUNDWATER MONITORING WELLS

GROUNDWATER WELLS WERE INSTALLED BY GEOTECHNICAL SERVICES INC. OF WEARE NEW HAMPSHIRE DURING APRIL 2020. THE WELLS WERE INITIALLY INSTALLED TO DETERMINE THE PRESENCE OF A SIGNIFICANT AQUIFER. THE WELLS CAN NOW BE USED TO MONITOR THE GROUNDWATER DEPTH AND INSURE ADEQUATE SEPARATION CAN BE MAINTAINED.

WELL	ELEVATION	GROUNDWATER DEPTH/ELEV.	
		APRIL 2020	OCTOBER 2020
GS#1	644.7'	28' / 616.7'	32' / 612.7'
GS#2	648.6'	57' / 591.6'	56' / 592.6'
GS#3	621.9'	37' / 584.9'	38' / 583.9'

SOURCE CONTROL PLAN-EQUIPMENT REFUELING

NO FUEL OR LUBRICANTS ARE TO BE STORED ON-SITE. MOBILE FUELING OF EXCAVATION EQUIPMENT WILL OCCUR ON-SITE BY A MOBILE FUEL DELIVERY COMPANY. SECONDARY CONTAINMENT MUST BE PROVIDED FOR ALL REGULATED CONTAINERS AND BE IN PLACE DURING FUELING ACTIVITIES INVOLVING TRANSFERS FROM "ON-ROAD" DELIVERY TRUCKS, "OFF-ROAD" TANKS TRUCKS ("MOBILE REFUELERS") OR PORTABLE CONTAINERS TO FIELD EQUIPMENT. PORTABLE CONTAINMENT EQUIPMENT, SUCH AS A RIGID OR FLEXIBLE POP-UP POOL OR BERM, SHALL BE USED DURING MOBILE FUELING AND POSITIONED TO CATCH ANY FUEL SPILLS DUE TO OVER-FILLING THE EQUIPMENT AND ANY OTHER SPILLS THAT MAY OCCUR DURING THE FUELING PROCESS. EQUIPMENT (SPILL KIT) TO CLEAN UP SPILLS AND LEAKS MUST BE LOCATED IN THE IMMEDIATE AREA. PERSONNEL MUST ATTEND TO THE FUELING PROCESS. REFER TO MDES FACT SHEET WD-DWGB-22-6, BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTH MOVING EQUIPMENT, AVAILABLE AT: [HTTP://WWW.DES.NH.GOV/ORGANIZATION/COMMISSIONER/PIF/FACTSHEETS/DWGB/DOCUMENTS/DWGB-22-6.PDF]

THE BEST MANAGEMENT PRACTICES NOTED IN WD-DWGB-22-6 SHALL BE IMPLEMENTED, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. PROVIDE SECONDARY CONTAINMENT DURING FUEL TRANSFERS.
2. COMPLY WITH RELATED STATE AND FEDERAL REQUIREMENTS.
3. EMPLOYEE TRAINING TO PREVENT, CONTAIN AND CLEAN UP SPILLS.
4. IMMEDIATELY REPORT SIGNIFICANT OR UNCONTROLLED SPILLS.
5. PROPERLY STORE AND DISPOSE OF CONTAMINATED SOIL AND MATERIAL.

OVERALL
EXCAVATION & RECLAMATION
PLAN

JOHNSON ROAD
GRAVEL PIT

ASSESSOR'S MAP 15 LOT 58

JOHNSON ROAD

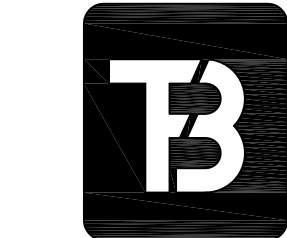
SANBORTON, NEW HAMPSHIRE

SCALE: 1"=80' DATE: DECEMBER 2020

SHEET 2 OF 5



GRAPHIC SCALE		
80	40	0 40 80 160
2	"MINING" SETBACK CORRECTED	02/22/21
1	EXCAV. SPEC. / DURATION CALCULATION	02/09/21
NO.	REVISION	DATE



T. F. BERNIER, INC.
Land Surveyors - Designers - Consultants

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DESIGNED BY	DRAWN BY	CHECKED BY	F.B.	PG.	JOB #
TFB	TFB	TFB			521-05
DRAWING NAME					
04_Reclamation Plan					

SOURCE CONTROL PLAN-EQUIPMENT REFUELING

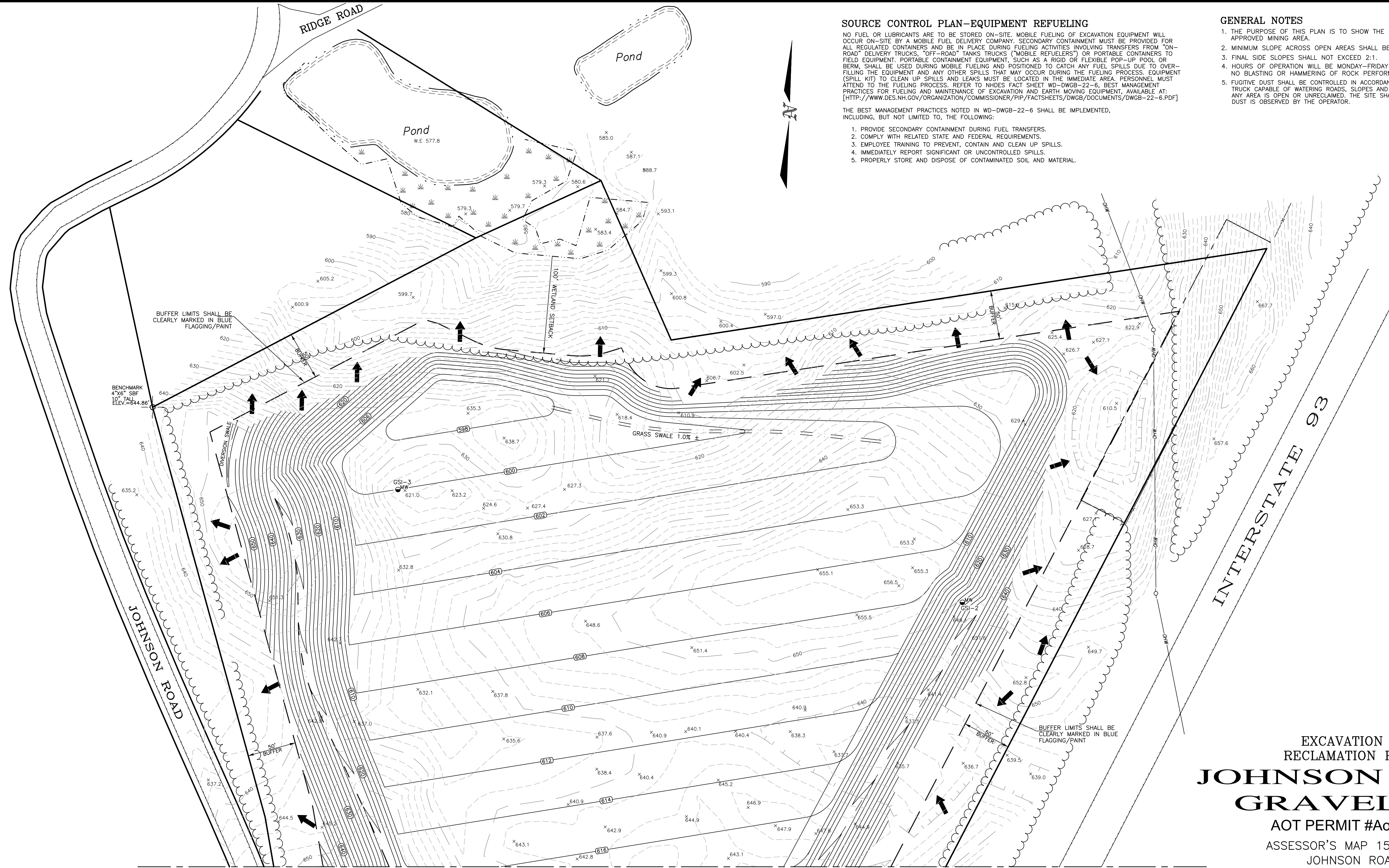
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THE BEST MANAGEMENT PRACTICES NOTED IN WD-DWGB-22-6 SHALL BE IMPLEMENTED, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. PROVIDE SECONDARY CONTAINMENT DURING FUEL TRANSFERS.
2. COMPLY WITH RELATED STATE AND FEDERAL REQUIREMENTS.
3. EMPLOYEE TRAINING TO PREVENT, CONTAIN AND CLEAN UP SPILLS.
4. IMMEDIATELY REPORT SIGNIFICANT OR UNCONTROLLED SPILLS.
5. PROPERLY STORE AND DISPOSE OF CONTAMINATED SOIL AND MATERIAL.

GENERAL NOTES

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE FINAL GRADING AND RECLAMATION OF THE APPROVED MINING AREA.
2. MINIMUM SLOPE ACROSS OPEN AREAS SHALL BE NO LESS THAN 1%.
3. FINAL SIDE SLOPES SHALL NOT EXCEED 2:1.
4. HOURS OF OPERATION WILL BE MONDAY-FRIDAY 7am TO 5pm. THERE SHALL BE NO BLASTING OR HAMMERING OF ROCK PERFORMED ON THE SITE.
5. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH Env-A 1000. IN ADDITION A WATER TRUCK CAPABLE OF WATERING ROADS, SLOPES AND PIT FLOOR SHALL BE KEPT ON SITE WHILE ANY AREA IS OPEN OR UNRECLAIMED. THE SITE SHALL BE WATERED AT ANY TIME THE AIR BORN DUST IS OBSERVED BY THE OPERATOR.



LEGEND

- WETLAND BOUNDARY
- BRUSH FOREST
- PROPOSED STONE SWALE
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED 2' CONTOUR
- PROPOSED SPOT GRADE
- PRE AND POST STORMWATER DRAINAGE VECTOR

EXCAVATION &
RECLAMATION PLAN
**JOHNSON ROAD
GRAVEL PIT**

AOT PERMIT #AoT-0968

ASSESSOR'S MAP 15 LOT 58

JOHNSON ROAD

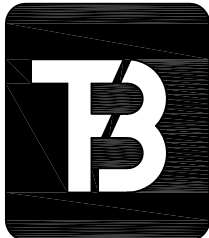
SANBORNTON, NEW HAMPSHIRE

SCALE: 1"=50' DATE: DECEMBER 2020

SHEET 4 OF 5



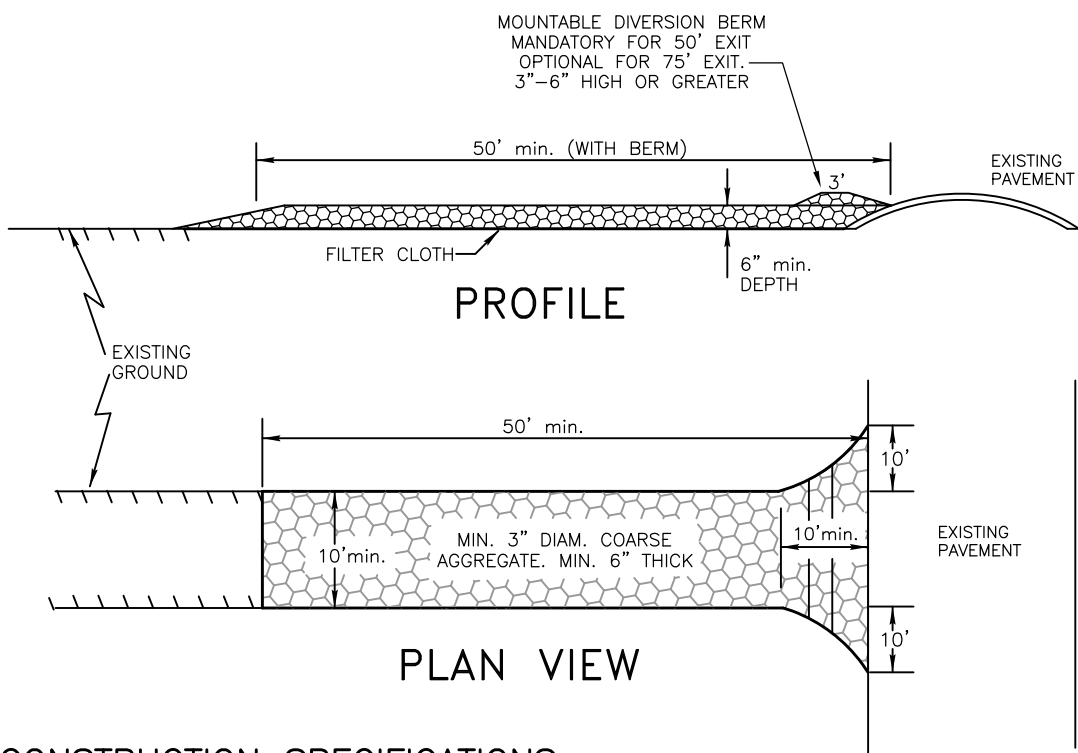
GRAPHIC SCALE			
50	25	0	25 50 100
1	GEN. NOTES #5 REV. WATER TRUCK	3/18/21	
NO.	REVISION	DATE	



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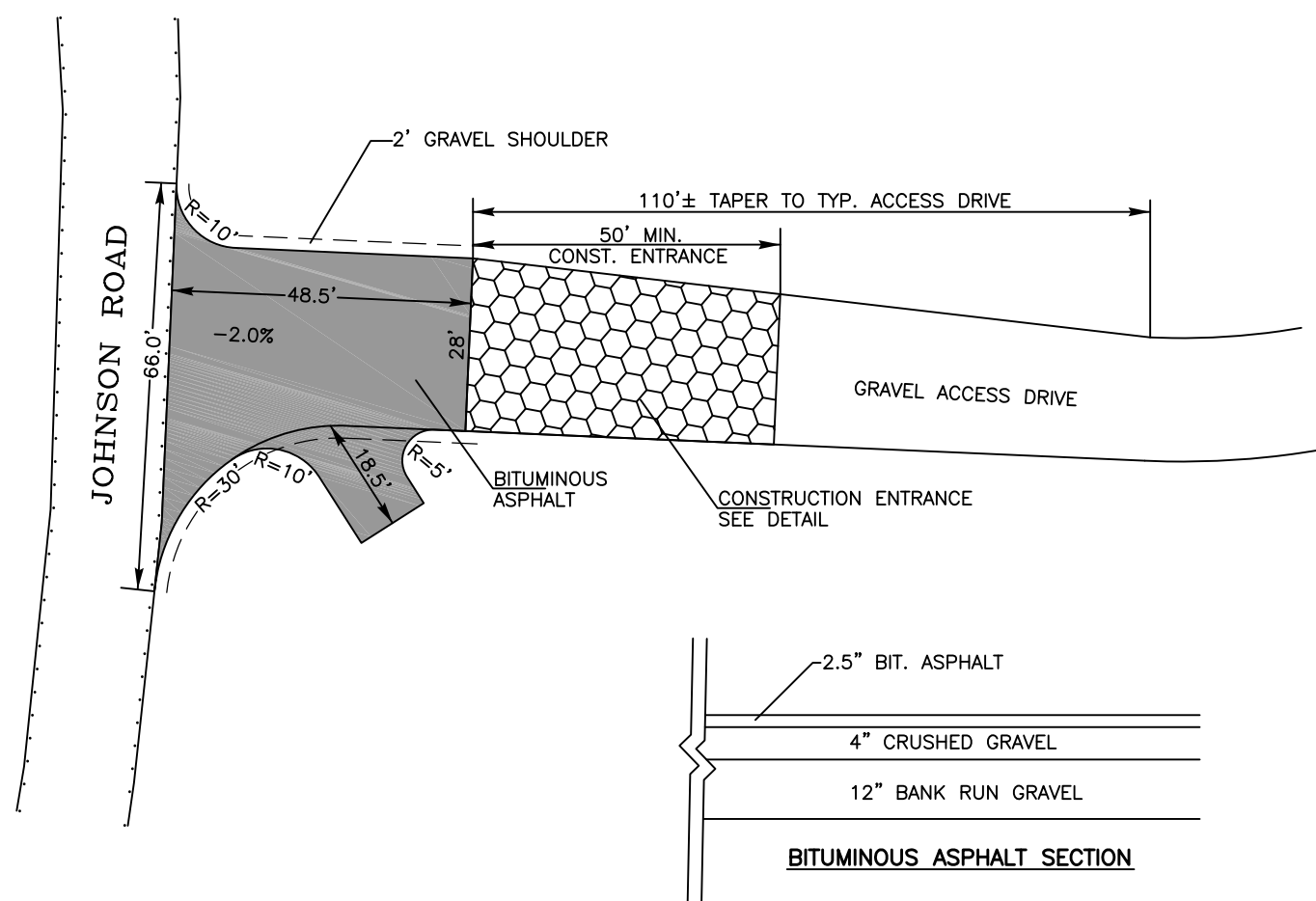
DESIGNED BY	DRAWN BY	CHECKED BY	F.B.	PG.	JOB #
TFB	TFB	TFB			521-05
DRAWING NAME					
04_Reclamation Plan					



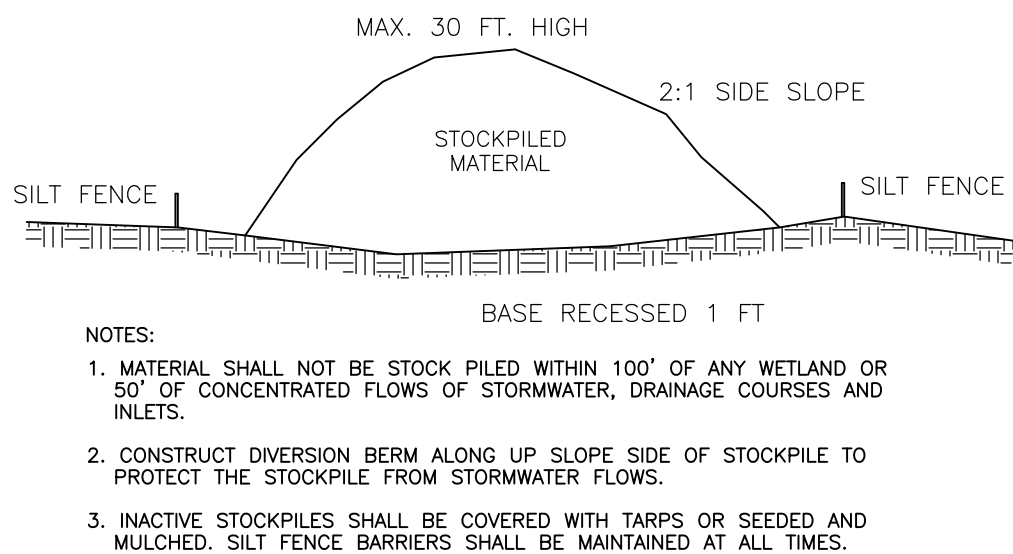
CONSTRUCTION SPECIFICATIONS

- STONE SIZE – USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS – NOT LESS THAN SIX (6) INCHES.
- WIDTH – TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE



PIT ACCESS DRIVEWAY DETAIL NOT TO SCALE



TYPICAL MATERIAL STOCKPILE NOT TO SCALE

RSA 155-E:4-a MINIMUM AND EXPRESS OPERATIONAL STANDARDS

- NO EXCAVATION SHALL BE PERMITTED BELOW ROAD LEVEL WITHIN 50' OF THE RIGHT-OF-WAY OF ANY PUBLIC HIGHWAY AS DEFINED IN RSA 229:1 UNLESS SUCH EXCAVATION IS FOR THE PURPOSE OF SAID HIGHWAY.
- NO EXCAVATION SHALL BE PERMITTED WITHIN 50' OF THE BOUNDARY OF A DISAPPROVING ADJUTER, WITHIN 150' OF ANY DWELLING WHICH EITHER EXISTED OR FOR WHICH A BUILDING PERMIT HAS BEEN ISSUED AT THE TIME THE EXCAVATION IS COMMENCED.
- NO EXCAVATION SHALL BE PERMITTED WITHIN 75' OF ANY GREAT POND, NAVIGABLE RIVER, OR ANY OTHER STANDING BODY OF WATER 10 ACRES OR MORE IN AREA, OR WITHIN 25' OF ANY OTHER STREAM, RIVER OR BROOK WHICH NORMALLY FLOWS THROUGHOUT THE YEAR, OR ANY NATURALLY-OCCURRING STANDING BODY OF WATER LESS THAN 10 ACRES, PRIME WETLAND AS DESIGNATED IN ACCORDANCE WITH RSA 482-A:15.I, OR ANY OTHER WETLAND GREATER THAN 5 ACRES IN AREA AS DEFINED BY THE DEPARTMENT OF ENVIRONMENTAL SERVICES.
- VEGETATION SHALL BE MAINTAINED OR PROVIDED WITHIN THE PERIPHERAL AREAS REQUIRED BY PARAGRAPHS I AND II.
- DRAINAGE SHALL BE MAINTAINED SO AS TO PREVENT THE ACCUMULATION OF FREE STANDING WATER FOR PROLONGED PERIODS. EXCAVATION PRACTICES WHICH RESULT IN CONTINUED SILTATION OF SURFACE WATERS OR ANY DEGRADATION OF WATER QUALITY OF ANY PUBLIC OR PRIVATE WATER SUPPLIES ARE PROHIBITED.
- NO FUELS, LUBRICANTS OR OTHER TOXIC OR POLLUTING CHEMICALS SHALL BE STORED ONSITE UNLESS IN COMPLIANCE WITH STATE LAWS OR RULES PERTAINING TO THE STORAGE OF SUCH MATERIALS.
- WHERE TEMPORARY SLOPES WILL EXCEED 1:1 GRADE, A FENCE OR OTHER SUITABLE BARRICADE SHALL BE ERECTED TO WARN OF DANGER OR LIMIT ACCESS TO THE SITE.
- PRIOR TO THE REMOVAL OF TOPSOIL OR OTHER OVERBURDEN MATERIAL FROM ANY LAND AREA THAT HAS NOT YET BEEN EXCAVATED, THE EXCAVATOR SHALL FILE A RECLAMATION BOND OR OTHER SECURITY AS PRESCRIBED BY THE REGULATOR, SUFFICIENT TO SECURE THE RECLAMATION OF THE LAND AREA TO BE EXCAVATED.
- NOTHING IN THIS CHAPTER SHALL BE DEEMED TO SUPERSEDE OR PREEMPT APPLICABLE ENVIRONMENTAL STANDARDS OR PERMIT REQUIREMENTS CONTAINED IN OTHER STATE LAWS, AND NO EXEMPTION UNDER THIS CHAPTER SHALL BE CONSTRUED AS AN EXEMPTION FROM ANY OTHER STATE STATUTE.

RSA 155-E:5 MINIMUM AND EXPRESS RECLAMATION STANDARDS

WITHIN 12 MONTHS AFTER THE EXPIRATION DATE IN A PERMIT ISSUED UNDER THIS CHAPTER, OR OF THE COMPLETION OF ANY EXCAVATION, WHICHEVER OCCURS FIRST, THE OWNER OF THE EXCAVATED LAND SHALL HAVE COMPLETED THE RECLAMATION OF THE AREAS AFFECTED BY THE EXCAVATION TO MEET EACH OF THE FOLLOWING STANDARDS, OR WHEN WHEN SUCH EXCAVATION IS NOT SUBJECT TO A PERMIT UNDER THIS CHAPTER PURSUANT TO RSA 155-E:2, TO MEET EACH OF THE FOLLOWING EXPRESS STANDARDS:

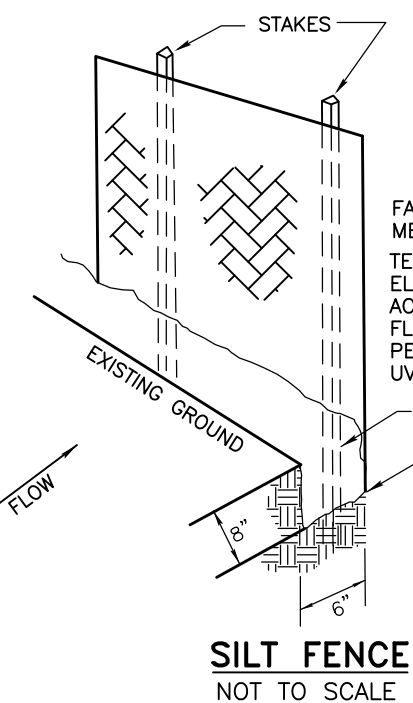
- EXCEPT FOR EXPOSED ROCK LEDGE, ALL AREAS WHICH HAVE BEEN AFFECTED BY THE EXCAVATION OR OTHERWISE STRIPPED OF VEGETATION SHALL BE SPREAD WITH TOPSOIL OR STRIPPINGS, IF ANY, BUT IN ANY CASE COVERED BY SOIL CAPABLE OF SUSTAINING VEGETATION, AND SHALL BE PLANTED WITH SEEDLINGS OR GRASS SUITABLE TO PREVENT EROSION. AREAS VISIBLE FROM A PUBLIC WAY, FROM WHICH TREES HAVE BEEN REMOVED, SHALL BE REPLANTED WITH TREE SEEDLINGS, SET OUT IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES.
- EARTH AND VEGETATIVE DEBRIS RESULTING FROM THE EXCAVATION SHALL BE REMOVED OR OTHERWISE LAWFULLY DISPOSED OF.
- ALL SLOPES, EXCEPT FOR EXPOSED LEDGE, SHALL BE GRADED TO NATURAL REPOSE FOR THE TYPE OF SOIL OF WHICH THEY ARE COMPOSED SO AS TO CONTROL EROSION, OR AT A RATIO OF HORIZONTAL TO VERTICAL PROPOSED BY THE OWNER AND APPROVED BY THE REGULATOR. CHANGES OF SLOPE SHALL NOT BE ABRUPT, BUT SHALL BLEND WITH THE SURROUNDING TERRAIN.
- THE ELIMINATION OF ANY STANDING BODIES OF WATER CREATED IN THE EXCAVATION PROJECT AS MAY CONSTITUTE A HAZARD TO HEALTH AND SAFETY.
- THE TOPOGRAPHY OF THE LAND SHALL BE LEFT SO THAT WATER DRAINING FROM THE SITE LEAVES THE PROPERTY AT THE ORIGINAL, NATURAL DRAINAGE POINTS AND IN THE NATURAL PROPORTIONS OF FLOW. FOR EXCAVATION PROJECTS WHICH REQUIRE A PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL SERVICES PURSUANT TO RSA 485-A:17, THE PROVISIONS OF THAT STATUTE, AND RULES ADOPTED UNDER IT, SHALL SUPERSEDE THIS PARAGRAPH AS TO AREAS OF EXCAVATION SITES COVERED THEREBY. THE EXCAVATOR SHALL FILE A COPY OF PERMITS ISSUED UNDER RSA-A:17 WITH THE REGULATOR.

RSA 155-E:5-a INCREMENTAL RECLAMATION

EXCEPT FOR EXCAVATION SITES OF OPERATING STATIONARY MANUFACTURING PLANTS, ANY EXCAVATED AREA OF 5 CONTIGUOUS ACRES OR MORE, WHICH IS DEPLETED OF COMMERCIAL EARTH MATERIALS, EXCLUDING BEDROCK, OR ANY EXCAVATION FROM WHICH EARTH MATERIALS OF SUFFICIENT WEIGHT OR VOLUME TO BE COMMERCIALY USEFUL HAVE NOT BEEN REMOVED FOR A 2-YEAR PERIOD, SHALL BE RECLAIMED IN ACCORDANCE WITH RSA 155-E:5, WITHIN 12 MONTHS FOLLOWING SUCH DEPLETION OR 2-YEAR NON-USE, REGARDLESS OF WHETHER OTHER EXCAVATION IS OCCURRING ON ADJACENT LAND IN CONTIGUOUS OWNERSHIP. EACH OPERATOR, OTHER THAN THE OPERATOR OF STATIONARY MANUFACTURING PLANTS WHICH ARE EXEMPT FROM PERMIT REQUIREMENTS PURSUANT TO RSA 155-E:2.III, SHALL PREPARE AND SUBMIT FOR THE REGULATOR'S RECORD A RECLAMATION PLAN FOR THE AFFECTED LAND, INCLUDING A TIMETABLE FOR RECLAMATION OF THE DEPLETED AREAS WITHIN THE RECLAMATION SITE.

CONSTRUCTION NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES - FOLDED AND STAPLED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



SILT FENCE NOT TO SCALE

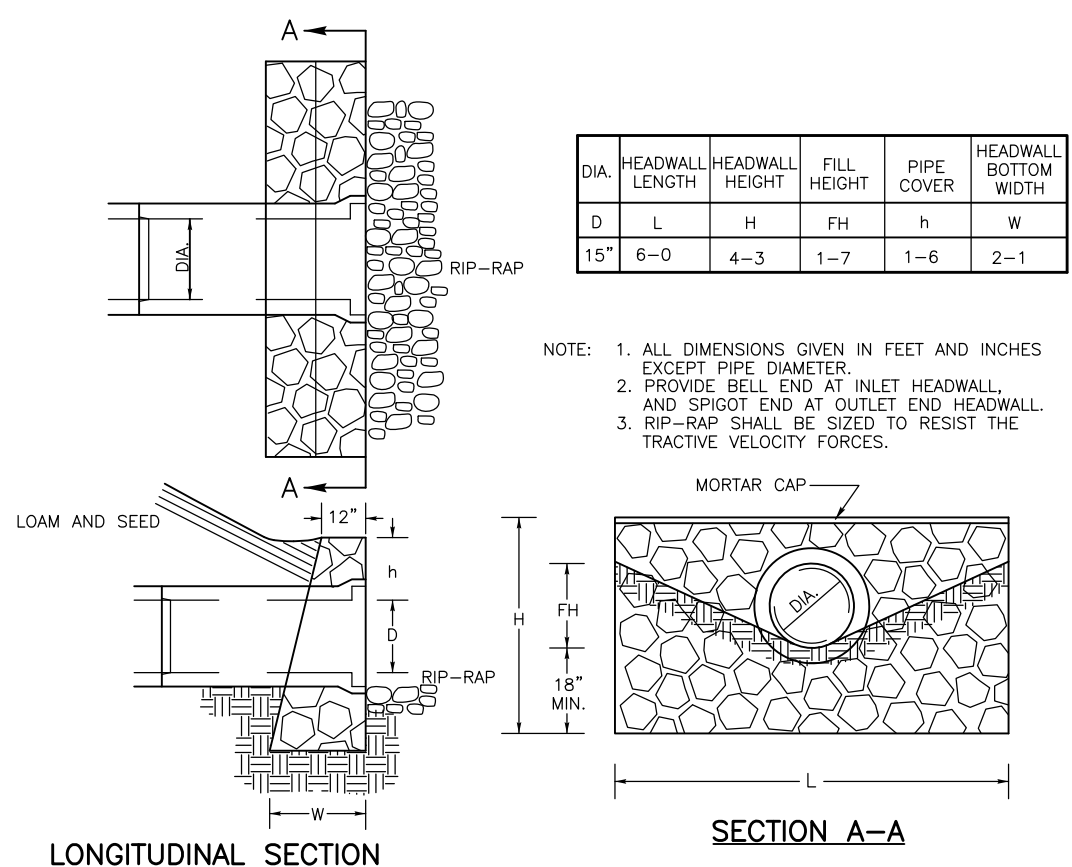
SEEDING SPECIFICATIONS FOR DIVERSION SWALES

ROADSIDE SWALES & CONVEYANCE SWALES TO BE TREATED AS FOLLOWS;

- A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED ON ALL DISTURBED AREAS.
- 10-20-20 FERTILIZER SHALL BE PLACED AT A RATE OF 500 LBS. PER ACRE.
- THE FOLLOWING SEED MIXTURE SHALL BE SPREAD EVENLY OVER THE TOPSOIL AT THE RATES SHOWN.

MIXTURE	POUNDS/ACRE	POUNDS/Sq. Ft.
TALL FESCUE	20	.45
CREeping RED FESCUE	20	.45
BIRDSFOOT TREFOIL	8	.20
TOTAL	48	1.10

- HAY, STRAW OR OTHER MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.
- ALL SEEDING SHALL BE COMPLETED BEFORE JUNE 1ST IN THE SPRING OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH IN THE FALL. SEEDING MAY EXTEND INTO JUNE AND JULY IF CONSIDERATIONS ARE MADE FOR WATERING.



MORTAR RUBBLE MASONRY HEADWALL DETAIL NOT TO SCALE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ALL EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS, THE TOWN OF SANBORNTON REGULATIONS, AND THE BEST MANAGEMENT PRACTICES AS ACCEPTED BY THE STATE OF NEW HAMPSHIRE.
- CONSTRUCT ALL PERIMETER CONTROLS, TEMPORARY SEDIMENT AND EROSION CONTROL FACILITIES, INCLUDING SILT FENCE.
- CONSTRUCT DIVERSION SWALES AND DITCHES. SWALES, DITCHES AND OUTLET AREAS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- DURING EXCAVATION ACTIVITIES THE SITE SHALL BE GRADED TO DIRECT RUNOFF TOWARD THE CUT FACE WITHIN THE ACTIVE EXCAVATION AREA.
- LOAM STRIPPED FROM THE SITE SHALL BE REAPPLIED TO AREAS WHERE EXCAVATION IS COMPLETE. AS NECESSARY, ADDITIONAL LOAM SHALL BE BROUGHT IN FROM OFF-SITE, BUT SHALL BE TESTED AND AMENDED AS NECESSARY. (SEE SEEDING/RECLAMATION NOTES).
- ONCE THE GRAVEL PIT IS OPEN AND EXCAVATION IS TAKING PLACE FROM WITHIN THE PIT, ANY TEMPORARY STAGING AREA SHALL BE RESTORED, LOAMED & SEEDDED.
- REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES AFTER DISTURBED AREAS HAVE BEEN STABILIZED.
- SEE RSA 155-E EXCAVATION & RECLAMATION STANDARDS FOR ADDITIONAL OPERATIONAL AND RECLAMATION STANDARDS.

MAINTENANCE RESPONSIBILITIES:

- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL WEEKLY AND AFTER EVERY RAINFALL OF 1/2" OR MORE WITHIN A 24 HOUR PERIOD. ANY DAMAGED, FAILING OR IMPROPER EROSION CONTROL MEASURES FOUND DURING THE INSPECTION SHALL BE REPAIRED IMMEDIATELY.
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY BERMS, DRAINAGE DITCHES, SILT FENCE, SEDIMENT TRAPS ETC. AS NEEDED DURING MINING TO CONTROL STORM WATER AND MINIMIZE EROSION.
- LOAMED AND SEEDDED AREAS SHALL BE INSPECTED, REPAIRED AND MAINTAINED AFTER EACH STORM EVENT UNTIL AREAS ARE STABLE.
- INSPECT VEGETATION GROWTH AND REMOVE INVASIVE SPECIES AS NECESSARY, IN ACCORDANCE WITH RSA 430:53 AND CHAPTER AGR 3800.

AN AREA SHALL BE CONSIDERED "STABLE" IF ONE OF THE FOLLOWING HAS OCCURRED:

- A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE RIP-RAP HAS BEEN INSTALLED.

SEEDING SPECIFICATIONS RECLAMATION OF EXCAVATED AREAS

IN ACCORDANCE WITH THE "VEGETATING NEW HAMPSHIRE GRAVEL PITS", U.S.D.A. N.R.C.S. TECHNICAL NOTE PM-NH-21, REV. APRIL 2000. UPON FINAL GRADING AND RECLAMATION, AREAS TO BE SEEDDED SHALL BE TREATED AS FOLLOWS:

- REMOVE LARGE STONES, BOULDERS AND OTHER DEBRIS THAT WILL HINDER THE SEEDING PROCESS AND THE ESTABLISHMENT OF VEGETATION.
- A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED ON ALL RECLAIMED AREAS.
- A PH TEST SHOULD BE CONDUCTED AND LIME ADDED AS NEEDED TO ESTABLISH A PH BETWEEN 5.5 AND 7.5. IN LIEU OF A SOIL TEST INCORPORATE 1 TON OF LIME PER ACRE (=1 TON PER 540 YARDS OF TOPSOIL), (=50 LBS. PER 1,000 SQ. FT.).
- 10-20-20 FERTILIZER SHALL BE PLACED AT A RATE OF 500 LBS. PER ACRE, (=11 LBS PER 1,000 SQ. FT.)
- THE FOLLOWING WARM SEASON GRASS SEED MIXTURE SHALL BE SPREAD EVENLY OVER THE TOPSOIL AT THE RATES SHOWN:

SPECIES	VARIETIES (SELECT ONE)	POUNDS/ACRE OF PLS FOR VARIOUS OPTIONS		
		(1)	(2)	(3)
SWITCHGRASS	TRAILBLAZER, PATHFINDER	6	2	6
COASTAL PANICGRASS	ATLANTIC	-	5	-
BIG BLUESTEM	NIAGRA, KAW	4	2	4
LITTLE BLUESTEM	ALDOUS, CAMPER, BLAZE	2	-	-
SAND LOVEGRASS	BEND, NC-27	4	6	5
TOTALS		16	15	15

OPTION (1): THIS COMBINATION MOST CLOSELY REPRESENTS THE NATURALLY OCCURRING VEGETATION WHERE WARM SEASON GRASSES ARE NATIVE IN THE NORTHEAST.

OPTION (2): THIS COMBINATION HAS THE FASTEST ESTABLISHMENT AND COVER.

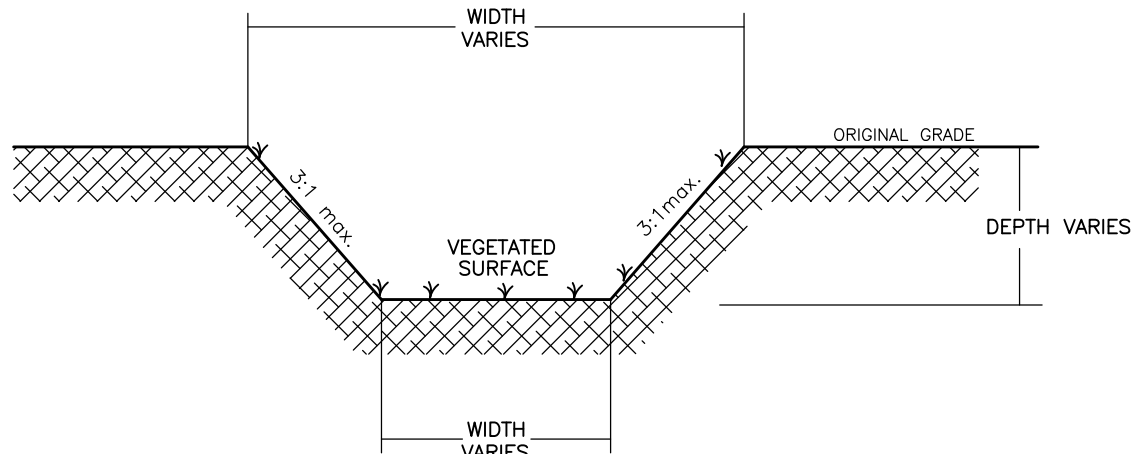
OPTION (3): THIS COMBINATION IS THE SIMPLEST AND MAY BE EASIER TO OBTAIN.

(OPTIONS 1 OR 2 ARE PREFERRED)

- APPLY LIME, SEED AND FERTILIZER WITH A HYDRO-SEEDER AND PRESS THE SEED MIX INTO THE SOIL BY TRACKING WITH A BULLDOZER. TRACK UP AND DOWN SLOPES, NOT ALONG THE SLOPE.
- APPLY WEED FREE MULCH. (CLEAN STRAW IS PREFERRED). APPLY AT THE MAXIMUM RATE OF 500-700 LBS. PER ACRE IMMEDIATELY AFTER SEEDING. NOTE: HIGHER MULCHING RATES OR MULCH WITH WEED SEED WILL SIGNIFICANTLY INHIBIT SEEDING SUCCESS.

SCHEDULE:

- SEEDING SHALL BEGIN AS SOON AS THE SNOW MELTS IN THE SPRING AND ENDS MAY 15. EARLY SEEDING IS VERY IMPORTANT TO THE SUCCESS OF THE REVEGETATION. IF LATE SEASON SEEDING IS NECESSARY, IT SHOULD BE DONE AFTER OCTOBER 20 TO PREVENT FALL GERMINATION AND SUBSEQUENT WINTERKILL.
- MAINTENANCE:
 - NOTE: THESE SEED MIXTURES GERMINATE AND GROW SLOWLY. COMPLETE COVER MAY NOT OCCUR FOR 2-4 YEARS.
 - TOPDRESS THE SITE WITH FERTILIZER BETWEEN JUNE 15 AND JULY 15 OF THE FOLLOWING YEAR FOR SUBSTANTIAL STAND VIGOR. APPLY A BALANCED FERTILIZER AT A RATE OF 50 LBS/ACRE OF NITROGEN.



TYPICAL CROSS SECTION GRASS DIVERSION SWALE NOT TO SCALE

DETAIL SHEET

JOHNSON ROAD GRAVEL PIT

AOT PERMIT #Aot-0968

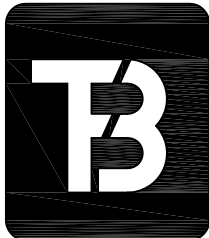
ASSESSOR'S MAP 15 LOT 58

JOHNSON ROAD

SANBORNTON, NEW HAMPSHIRE

SCALE: "AS-SHOWN" DATE: DECEMBER 2020

SHEET 5 OF 5



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NO.	REVISION	DATE

DESIGNED BY	DRAWN BY	CHECKED BY	F.B.	PG.	JOB #
	TFB	TFB			521-05
DRAWING NAME					
04_Reclamation_Plan					

