

SITE PLAN

FOR AN EXCAVATION AND RECLAMATION GRADING PROJECT

KNOWN AS
**TAX LOT F-3-2 - ISAAC FRYE HIGHWAY
WILTON, NEW HAMPSHIRE**

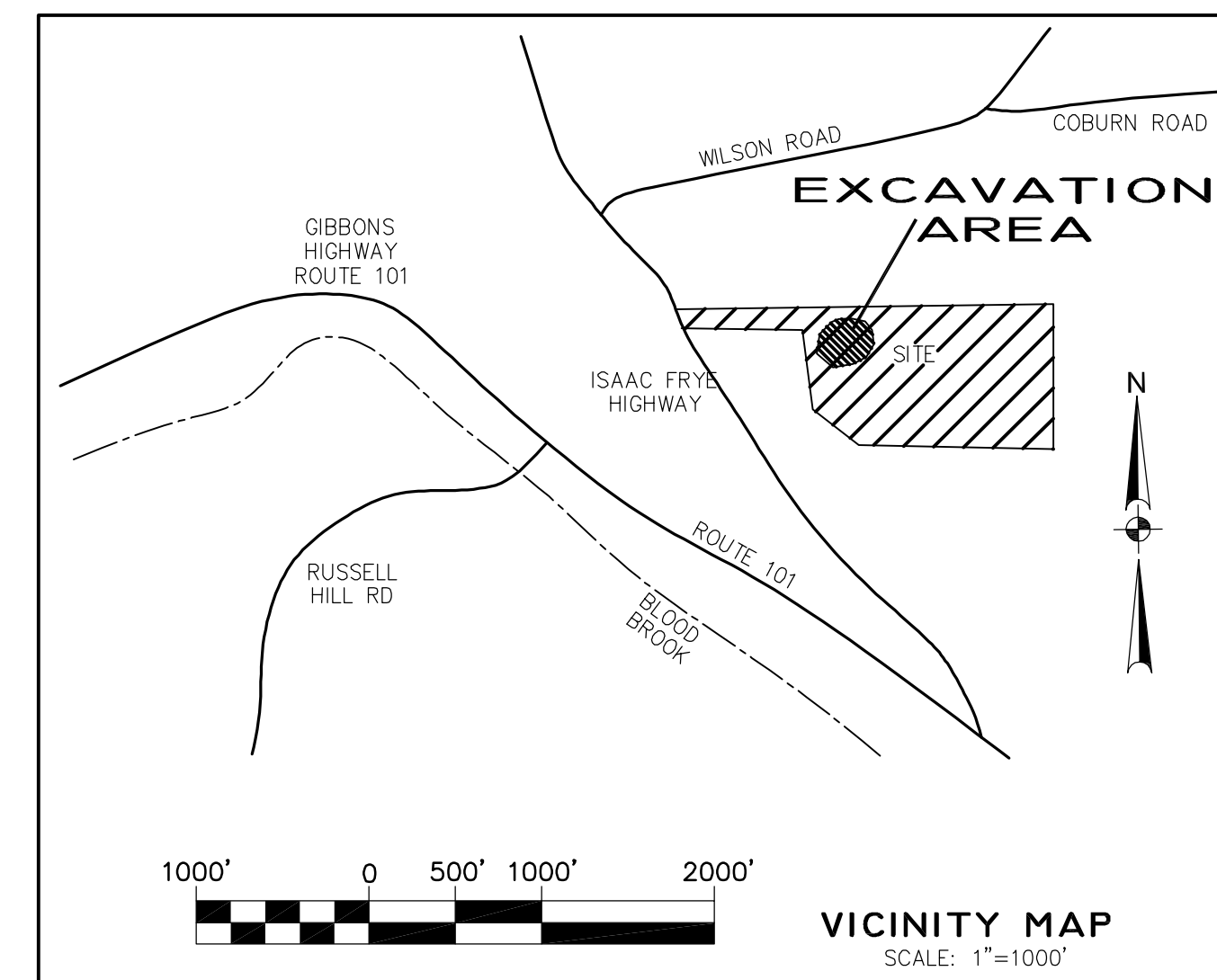
PREPARED FOR:
**ISAAC FRYE HOLDINGS, LLC
586 TURNPIKE ROAD
NEW IPSWICH, NH 03071**

LIST OF DRAWINGS

DWG NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS PLAN
3,3A & 4	GRADING DRAINAGE EROSION CONTROL AND RECLIMATION PLAN
5, 6	CONSTRUCTION DETAILS
7	RECLAMATION NOTES

NOTE:

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE TOWN OF WILTON REGULATIONS AND THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- ELEVATIONS ARE BASED ON USGS DATUM.
- PRIOR TO ANY CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT DIG-SAFE AND VERIFY ALL UNDERGROUND UTILITY LOCATIONS.

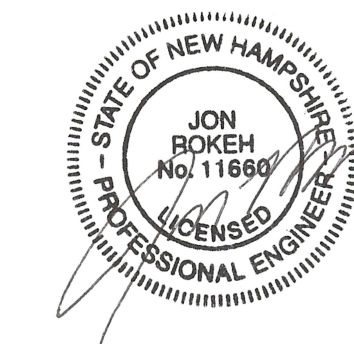


VICINITY MAP

LIST OF CONSULTANTS

CIVIL ENGINEER
JON ROKEH OF
ROKEH CONSULTING, LLC
89 KING ROAD
CHICHESTER, NH 03258

SURVEYOR/SOILS SCIENTIST/WETLAND SCIENTIST
FIELDSTONE LAND CONSULTANTS
206 Elm Street,
Milford NH 03055



APPROVED BY THE WILTON NH PLANNING BOARD	
_____ CHAIRPERSON / VICE CHAIRPERSON	
_____ DATE	

SYMBOLS	LEGEND
SOIL BORING (DEPTH TO E.S.H.W.T.)	TREATMENT SWALE
UTILITY POLE AND OVERHEAD LINES	DETENTION BASIN BERM
GRADE CONTOUR - 2 FT INTERVAL	PROPOSED FLARED END SECTION
GRADE CONTOUR - 10 FT INTERVAL	PROPOSED RIP RAP STONE
EXISTING SPOT GRADE	DIRECTION OF DRAINAGE FLOW
TREES AND TREE LINE	FINISH GRADE SPOT ELEVATION
SIGN	PROPOSED STRAW BALE BARRIER
BENCHMARK	PROPOSED TEMPORARY SILT FENCE
EDGE OF WETLANDS	PROPOSED TEMPORARY STONE CHECK DAM
TEST PIT	PROPOSED GRADE CONTOUR
PERC TEST	PROPOSED SIGN
DRAINAGE MANHOLE & LINE	PROPOSED LIMIT OF CLEARING
CATCH BASIN & LINE	PROPOSED DITCH
EASEMENT AREA	TO BE REMOVED
	SITE SPECIFIC SOIL BOUNDARY & DESIGNATION

TEMPORARY EROSION CONTROL BLANKETS NHFG WILDLIFE FRIENDLY REQUIREMENTS

- CONSIDERATIONS**
- THE ELIMINATION OF PLASTIC OR "BIODEGRADABLE PLASTIC" EROSION CONTROL NETTING IS REQUIRED AS THESE ARE KNOWN SOURCE OF ENTRAPMENT AND MORTALITY TO PROTECTED SNAKES AND TURTLES.
 - SEVERAL "WILDLIFE FRIENDLY" OPTIONS SUCH AS WOVEN ORGANIC MATERIAL (E.G., COCO MATTING) OR THE USE OF EROSION CONTROL BERM OKAY
 - ACCEPTABLE MATERIALS INCLUDE NORTH AMERICAN GREEN C125BN OR EAST COAST EROSION CONTROL BLANKET ECC-2B BOTH ARE BIODEGRADABLE WITH A COCONUT FIBER MATRIX AND JUTE NETTING.



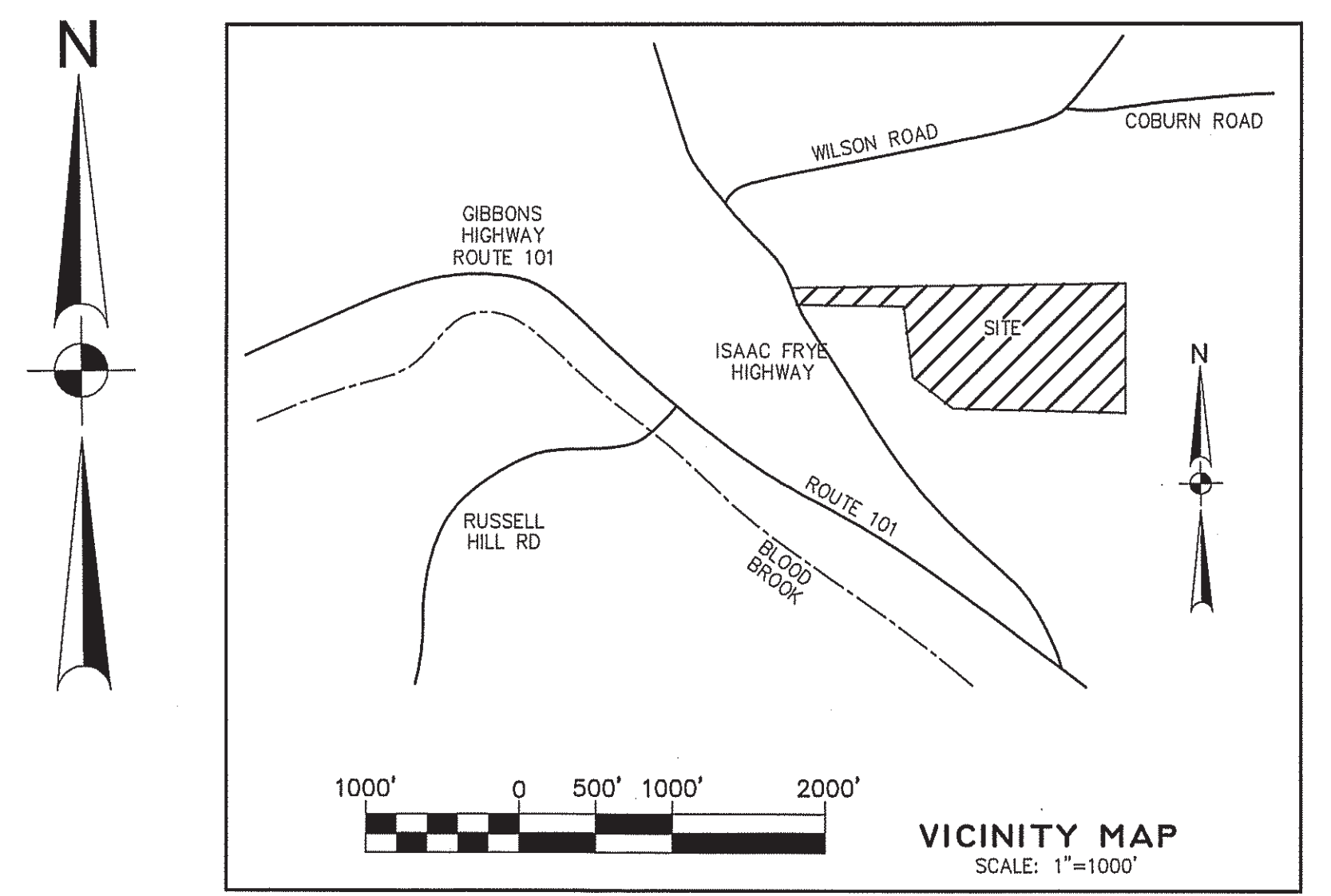
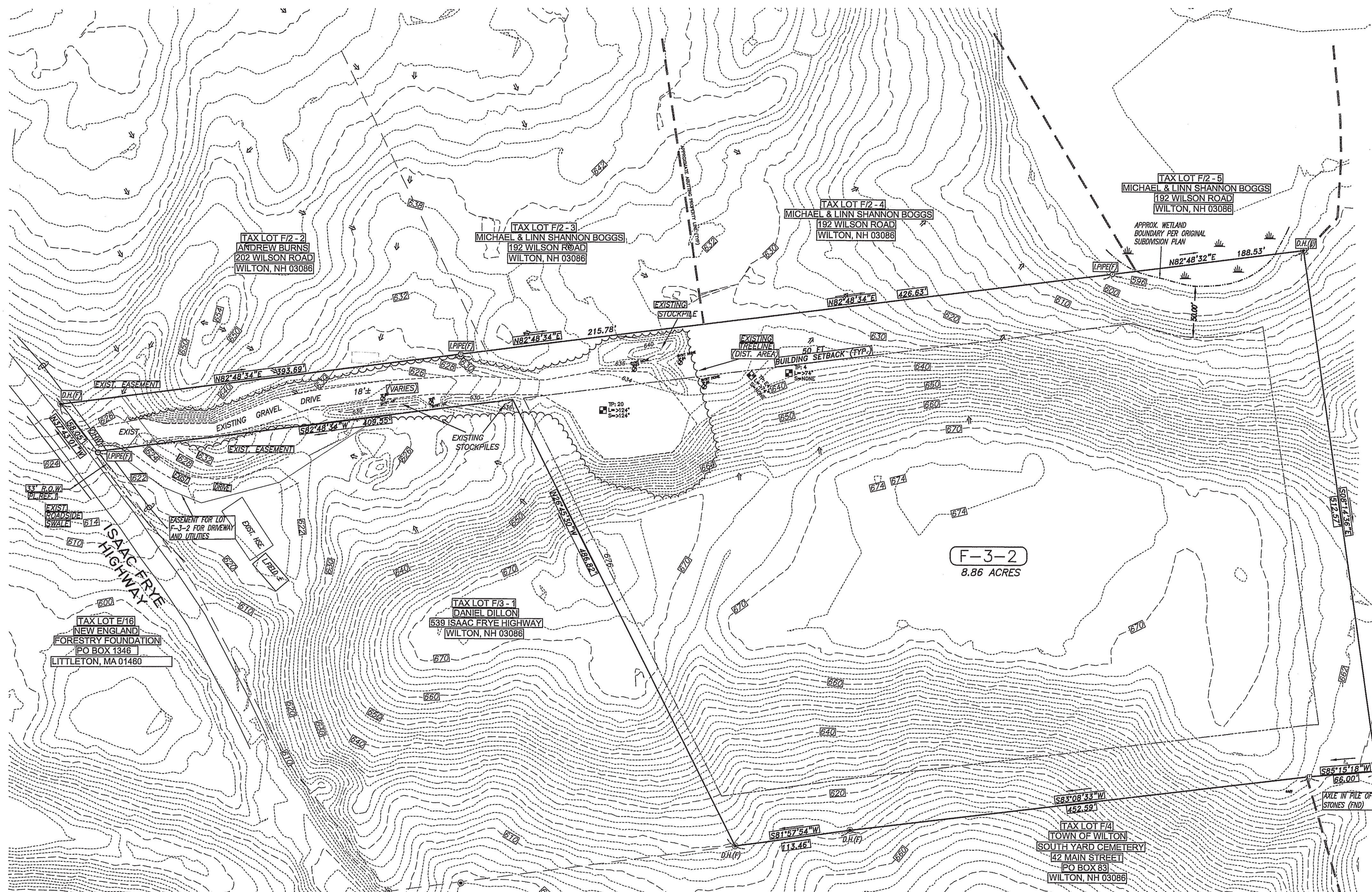
CONTACT DIG SAFE 72 HOURS PRIOR TO CONSTRUCTION

THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. ROKEH CONSULTING, LLC, MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY UTILITIES WHETHER THEY BE ABOVE OR BELOW GROUND. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-800-DIG-SAFE.

NO.	DATE	DESCRIPTION	BY
4-8-24		REVISED PER ENGINEER REVIEW	JR
09/25/23		REVISED PER ENGINEER REVIEW	JR

DECEMBER 2, 2022

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688



- PLAN REFERENCES:**
- "SUBDIVISION PLAN, TAX LOT F/3 FOR H. JAMES KENNEDY, 539 ISAAC FRYE HIGHWAY, WILTON, NH HILLSBOROUGH COUNTY, SCALE: 1"=60', DATED DECEMBER 2015, PREPARED BY ARTHUR F. SICILIANO JR, LAND SURVEYOR" AND RECORDED IN THE HILLSBOROUGH COUNTY REGISTRY OF DEEDS AT PLAN NUMBER 3882. TOPOGRAPHICAL VERSION OF PLAN IS UNRECORDED AND ON FILE AT THE TOWN OF WILTON.
 - "PROPOSED SEWAGE DISPOSAL SYSTEM PLAN, TAX MAP F LOT 3-2, WILTON, NH, ISAAC FRYE HIGHWAY, PREPARED FOR SAN KEN HOMES, INC., PREPARED BY FIELDSTONE LAND CONSULTANTS, DATED FEBRUARY 22, 2021. UNRECORDED.
- NOTES:**
- OWNER OF RECORD: ISAAC FRYE HOLDINGS, LLC, 586 TURNPIKE ROAD, NEW IPSWICH, NH 03071
 - THE EXISTING TOPOGRAPHY SHOWN HEREON WAS PROVIDED BY FIELDSTONE LAND CONSULTANTS AND THIS PLAN SHEET IS TO ONLY SHOW THE CURRENT EXISTING CONDITIONS.
 - THE CURRENT ZONING FOR SUBJECT PROPERTY AND ABUTTING PROPERTIES IS GENERAL RESIDENCE AND AGRICULTURAL DISTRICT (RA ZONE). THE PARCEL IS ALSO LOCATED IN THE AQUIFER PROTECTION OVERLAY DISTRICT AND THE WETLAND OVERLAY DISTRICT FOR THE WETLAND AREA SHOWN HEREON.



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TEST PIT DATA:
 TP-E4 ON 6-13-19
 0-9" 10YR 3/3 DARK BROWN LOAM GRANULAR, FRIABLE
 9"-20" 2.5Y 5/6 LIGHT OLIVE BROWN LOAMY FINE SAND GRANULAR, FRIABLE
 20"-74" 2.5Y 6/4 LIGHT YELLOWISH BROWN LOAMY FINE SAND WEAK, BLOCKY, FRIABLE

ROOTS TO 16" E.S.H.W.T. >74 INCHES
 WATER: NONE
 HARDPAN: NONE
 LEDGE: NONE

PERC TEST: 2 MIN/INCH AT 28 INCHES

Existing Conditions Note:
 The work that has been done onsite and has been shown hereon included cutting in the driveway from Isaac Frye and starting to create a processing area by stripping and stockpiling loam and then digging into the embankment to create a flat area for the excavation. There were no known erosion issues on the site during the 2021 year.

SEE DETAIL SHEETS FOR NOTES ABOUT CONSTRUCTION SEQUENCE, AND PROCEDURES FOR PROPER CONSTRUCTION AND EROSION CONTROL PRACTICES.

CERTIFICATION:

I HEREBY CERTIFY THAT THE BOUNDARY INFORMATION SHOWN WAS DEVELOPED ENTIRELY FROM THE REFERENCE PLAN CITED HEREON AND IS NOT THE RESULT OF A PRECISE BOUNDARY SURVEY BY THIS OFFICE.

I FURTHER CERTIFY THAT THE SITE TOPOGRAPHY SHOWN WAS GENERATED FROM THE NEW HAMPSHIRE GEOGRAPHICALLY REFERENCED ANALYSIS AND INFORMATION TRANSFER SYSTEM (NH GRANIT) UTILIZING LIGHT DETECTION AND RANGING (LIDAR) WITH 2-FOOT HYPSOGRAPHIC CONTOURS.

DATE: 4/17/24

60' 0 30' 60' 120'
 (IN FEET)
 1 inch = 60 ft.

STATE OF NEW HAMPSHIRE
 No. 846
 MICHAEL D. PLOOF
 LAND SURVEYOR
 4/17/24

CERTIFICATION:

JURISDICTIONAL WETLANDS SHOWN HEREON WERE DEVELOPED FROM THE REFERENCE PLAN. THE REFERENCE WETLAND DELINEATION WAS REVIEWED AND CONFIRMED BY KENNETH M. ROBINSON, C.W.S. IN JULY, 2021.

DATE: 4/17/24

STATE OF NEW HAMPSHIRE
 KENNETH M. ROBINSON
 No. 304
 CERTIFIED WETLAND SCIENTIST

- SYMBOLS LEGEND**
- OHW — UTILITY POLE AND OVERHEAD WIRES
 - EXISTING AND PROPOSED TREELINE
 - EXISTING 2 FT CONTOUR INTERVAL
 - 660 — EXISTING 10 FT CONTOUR INTERVAL
 - BUILDING SETBACK LINE
 - F625± EXISTING SPOT GRADE
 - EXISTING OR PROPOSED DRAINAGE FLOW
 - WELL (W) EXISTING OR PROPOSED WELL
 - NRCS SOILS
 - ▨ EASEMENT AREA

OWNER SIGNATURE
 ISAAC FRYE HOLDINGS, LLC
 DATE: 4-18-2024

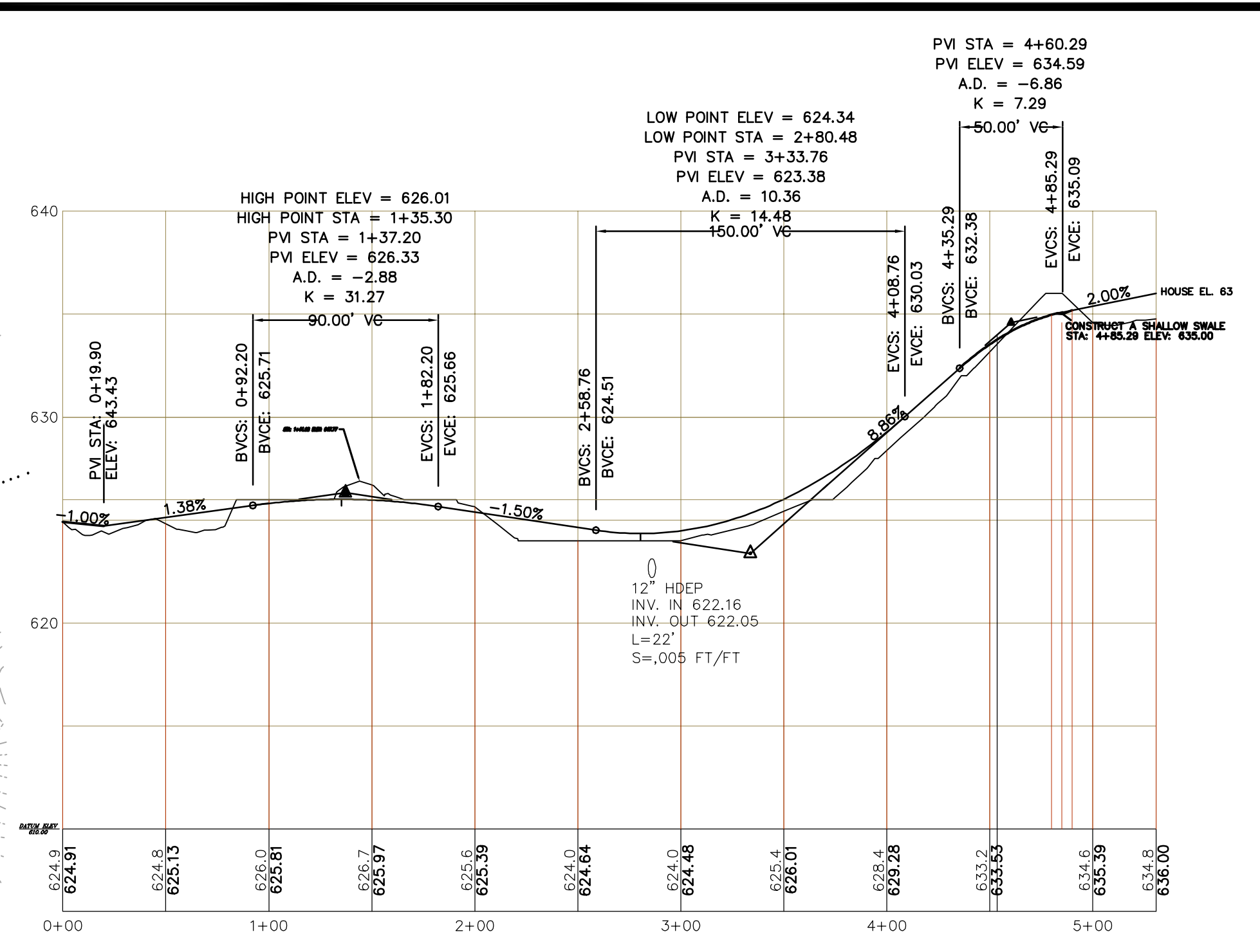
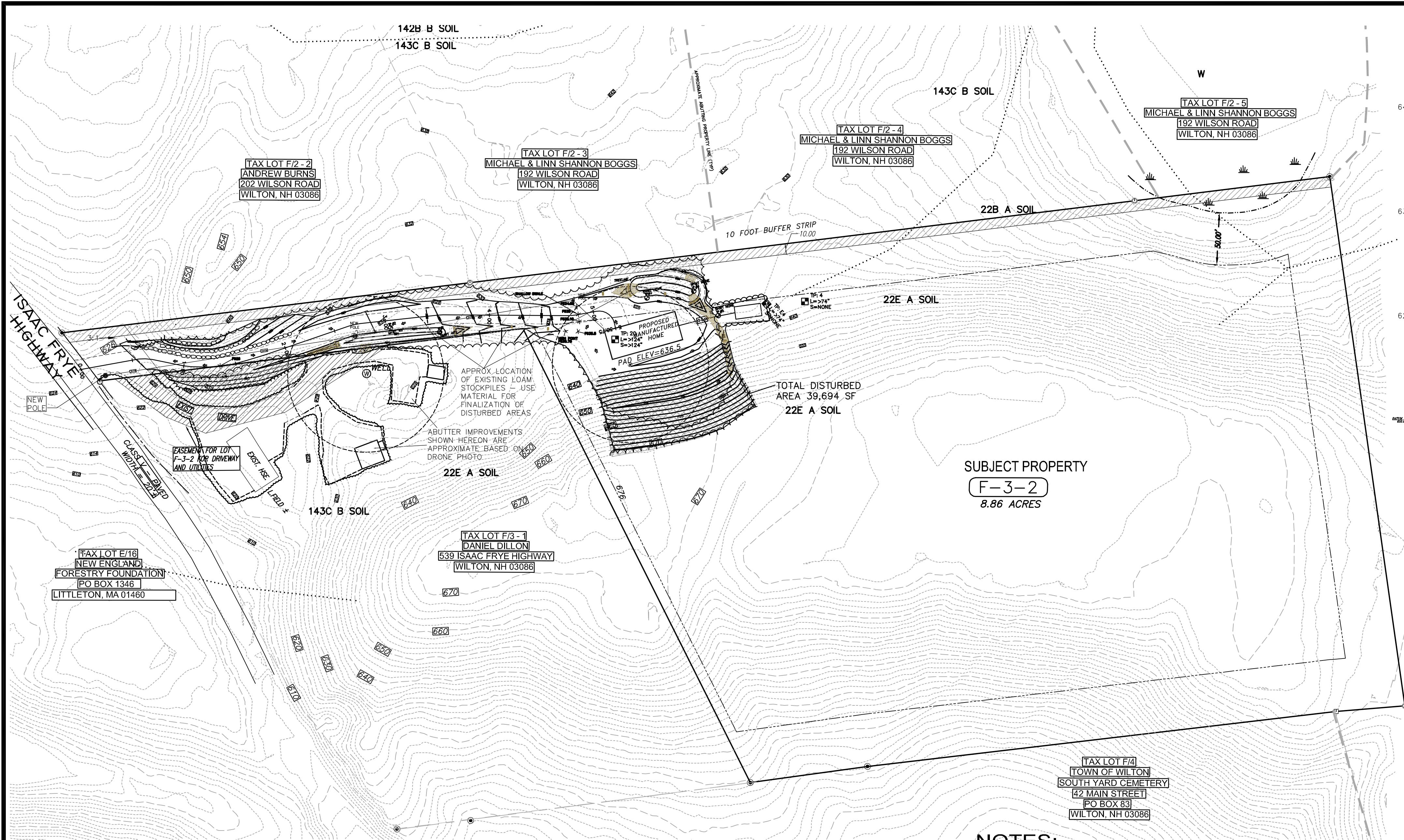
Owner / Applicant:
 ISAAC FRYE HOLDINGS, LLC
 586 Turnpike Road
 New Ipswich, NH 03071

EXISTING CONDITIONS PLAN
 EXCAVATION PROJECT
 TAX LOT F-3-2
 Isaac Frye Highway
 Wilton, New Hampshire

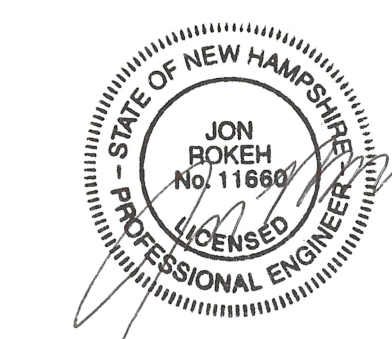
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09/25/23	REVISED PER ENGINEER REVIEW	JR	JR
2-5-24	REVISED PER ENGINEER REVIEW	JR	JR
4-8-24	REVISED PER ENGINEER REVIEW	JR	JR

Rokeh Consulting, LLC
 89 KING ROAD, CHICHESTER, NH
 PH: 603-387-8688

SCALE: 1"=60'
 DATE: DECEMBER 2, 2022
 DR. BY: JR CK. BY: JR
 JOB NO. _____
 SHEET NO. 2 OF 7



DRIVEWAY PROFILE 1"=50' HZ 1"=5' VT



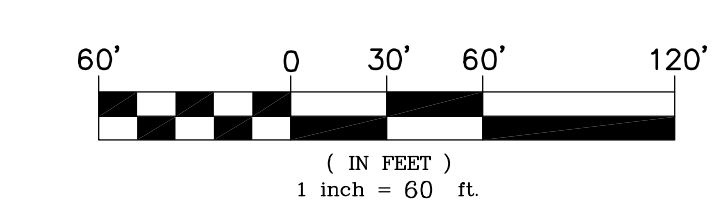
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- EXISTING 10 FT CONTOUR INTERVAL
- BUILDING SETBACK LINE
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- EXISTING OR PROPOSED DRAINAGE FLOW
- PROPOSED GRADE CONTOUR
- STONE CHECK DAM IN SWALES
- SILT FENCE OR MULCH SILT SOCK
- GRASS LINED SWALE
- 2:1 SLOPE STABILIZATION FABRIC
- NRCS SOILS
- EASEMENT AREA

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The fee schedule in Appendix VIII of the Wilton Land Use Laws and Regulations as of the date of approval will be applicable to any new development on lots created by this subdivision for a time period determined by NH RSA 674:39, after which the fee schedule in effect at the time of Building Permit submission will apply.

SEE DETAIL SHEETS FOR NOTES ABOUT CONSTRUCTION SEQUENCE, AND PROCEDURES FOR PROPER CONSTRUCTION AND EROSION CONTROL PRACTICES.



APPROVED BY THE WILTON NH PLANNING BOARD

CHAIRPERSON / VICE CHAIRPERSON

DATE

NOTES:

1. THE SUBJECT PARCEL IS LOT 3-2 ON THE TOWN OF WILTON TAX MAP F. THE OWNER OF RECORD IS ISAAC FRYE HOLDINGS, LLC., 586 TURNPIKE ROAD, NEW IPSWICH, NH 03071
2. THE CURRENT ZONING FOR SUBJECT PROPERTY AND ABUTTING PROPERTIES IS GENERAL RESIDENCE AND AGRICULTURAL DISTRICT (RA ZONE). THE PARCEL IS ALSO LOCATED IN THE AQUIFER PROTECTION OVERLAY DISTRICT AND THE WETLAND OVERLAY DISTRICT FOR THE WETLAND AREA SHOWN HEREON.
3. THIS PLAN IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED IN 2021. THE WORK WAS PREPARED BY FIELDSTONE LAND CONSULTANTS, LLC, 206 ELM STREET, MILFORD, NH 03055.
4. THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED IMPROVEMENTS TO AN EXISTING PARCEL FOR A NEW SINGLE FAMILY MANUFACTURED HOME WITH ASSOCIATED DRIVEWAY ENTRANCE AND ANY STORMWATER RUN-OFF REQUIREMENTS. THE GRADING AND EROSION CONTROL IS TO PROVIDE A FINISHED AREA (IMPROVED AREA) THAT MEETS STANDARD DESIGN AND EROSION CONTROL PRACTICES PER NHDES. SOME OF THE WORK HAS BEEN PREVIOUSLY DONE REGARDING THE GRAVEL DRIVEWAY AND AN AREA WHERE THE HOME IS PROPOSED.
5. THE HORIZONTAL DATUM IS NH GRID COORDINATES. THE VERTICAL DATUM IS USGS.
6. THERE ARE NO FLOOD ZONE REQUIREMENTS FOR THIS PROPOSAL AS DETERMINED BY CURRENT F.I.R.M. MAPS.
7. THE UTILITY INFORMATION SHOWN IS BASED ON THE ABOVE GROUND LOCATION OF VISIBLE UTILITIES. THE CONTRACTOR NEEDS TO FIELD VERIFY ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THIS OFFICE DOES NOT GUARANTEE THE LOCATION AND ACCURACY OF THE UTILITY DATA. DIG SAFE SHALL BE CONTACTED 72 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION (811).

8. THE TOPOGRAPHIC CONTOURS OF THE SUBJECT PARCEL WHICH ARE SHOWN ARE DERIVED FROM FIELD MEASUREMENTS AND AERIAL TOPOGRAPHY. SEE EXISTING CONDITIONS PLAN FOR COMPLETE SURVEY INFORMATION.
9. THERE ARE NO JURISDICTIONAL WETLANDS ON THE PROPERTY IN THE AREA OF CONSTRUCTION FOR THIS PROJECT.
10. DISTURBED AREA FOR PROJECT IS 0.91 ACRES OR APPROXIMATELY 39,694 SQ. FT.
11. A VARIANCE WAS GRANTED ON NOVEMBER 9, 2021 FOR SECTION 4.1 TO ALLOW THE EXCAVATION OF GRAVEL INCIDENTAL TO THE CONSTRUCTION OF A SINGLE FAMILY HOME. CASE NUMBER #5/11/21-1.
12. OPEN SPACE UNDER ANY MANUFACTURED HOME IN THIS PROPOSAL SHALL BE ENCLOSED WITH SUITABLE "SKIRTING".
13. ANY RECLAMATION WORK AND SUBSEQUENT EXCAVATIONS NEEDED FOR THE DWELLING SHALL ONLY BE DONE BETWEEN THE HOURS OF 8AM TO 6PM
14. STUMPS WILL BE REMOVED FROM THE SITE PER STATE AND LOCAL REGULATIONS
15. THE RECLAMATION OF THE PROJECT IS ANTICIPATED TO BE WITHIN 6 MONTHS OF FINAL PLANNING BOARD AND ZBA APPROVAL. THE CONSTRUCTION OF THE HOME MAY NEED A 3 MONTH EXTENSION THAT WAS AGREED UPON WITH THE TOWN IF NECESSARY DEPENDING UPON WEATHER RELATED DELAYS.

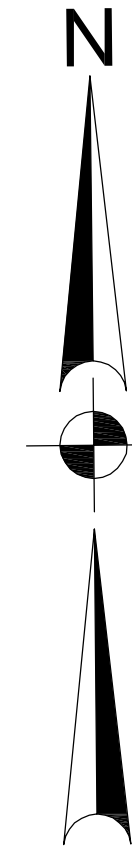
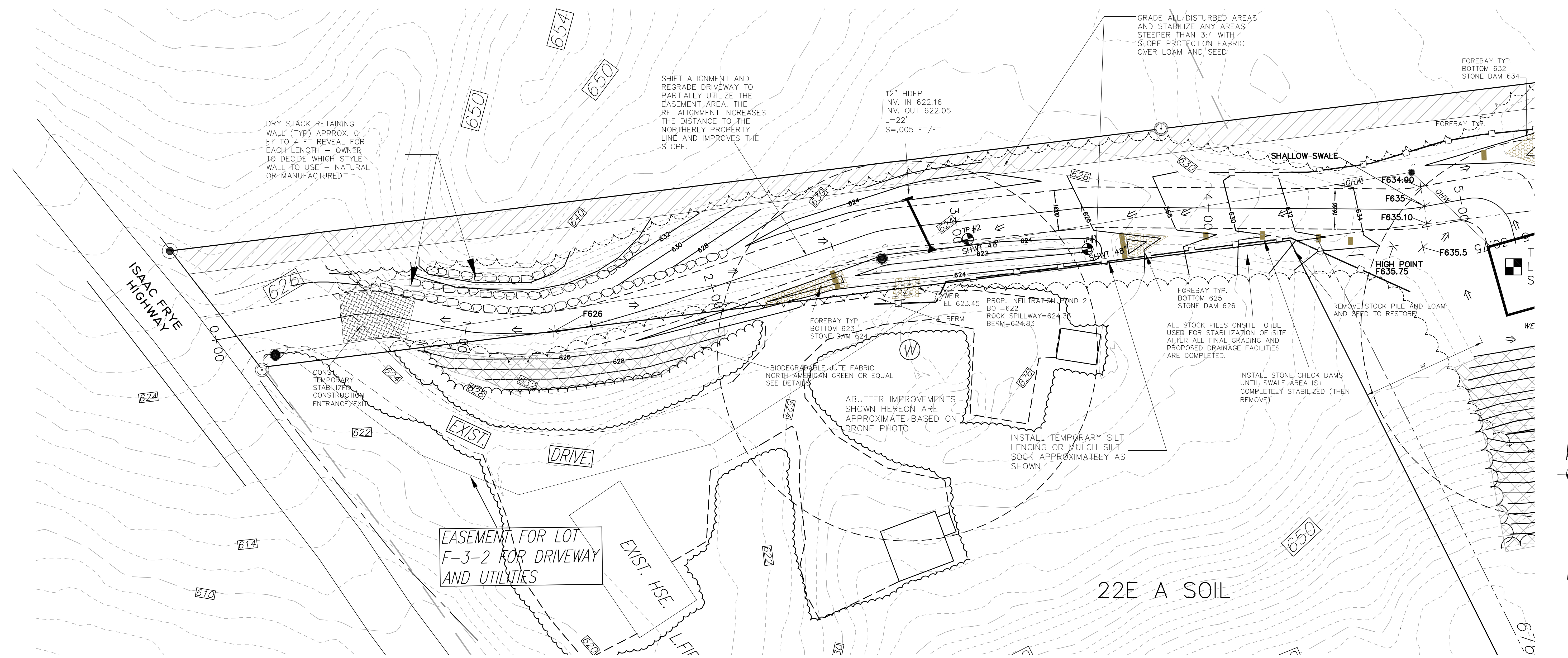
Owner / Applicant:
ISAAC FRYE HOLDINGS, LLC
586 Turnpike Road
New Ipswich, NH 03071

OVERALL GRADING AND DRIVEWAY PROFILE
EXCAVATION PROJECT
TAX LOT F-3-2
Isaac Frye Highway
Wilton, New Hampshire

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2-28-23	EDITS TO ADDRESS P.B. COMMENTS	JR	JR
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DATE: DECEMBER 2, 2022
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JOB NO. _____
SHEET NO. 3 OF 7



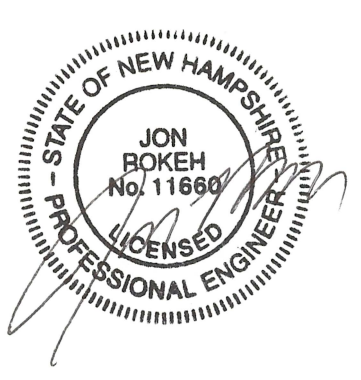
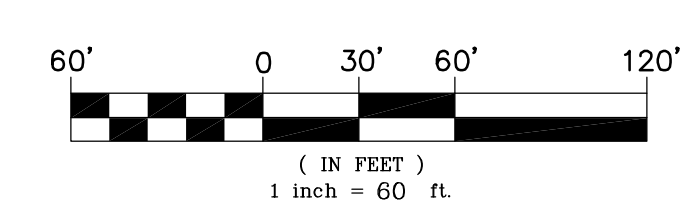
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The fee schedule in Appendix VIII of the Wilton Land Use Laws and Regulations as of the date of approval will be applicable to any new development on lots created by this subdivision for a time period determined by NH RSA 674:39, after which the fee schedule in effect at the time of Building Permit submission will apply.

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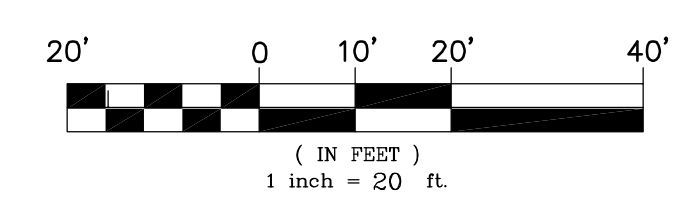
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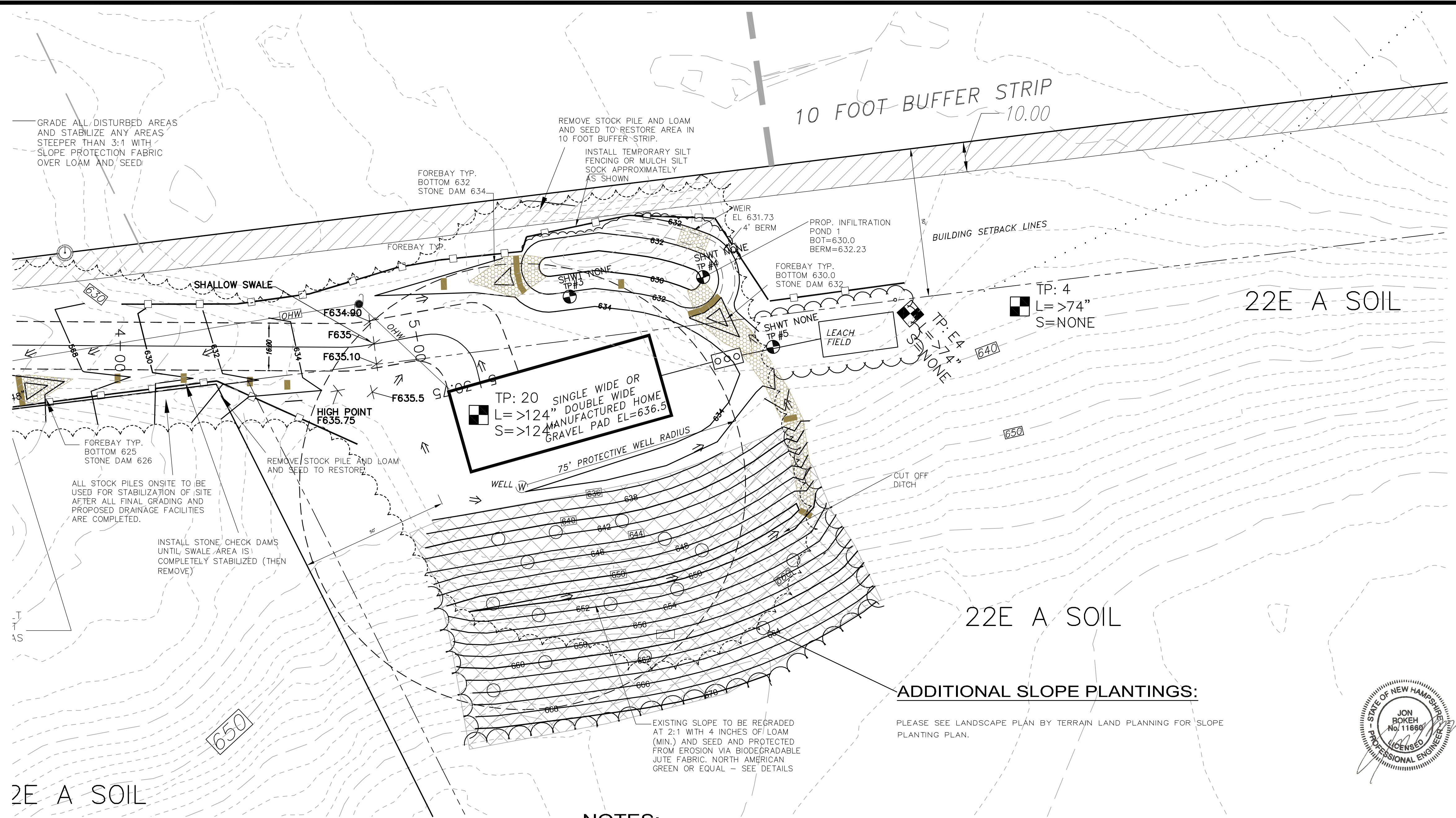
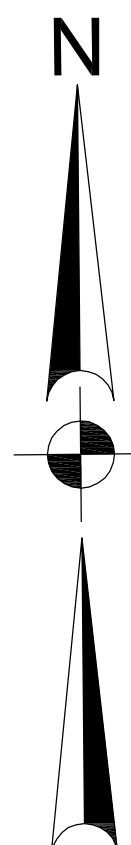
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SHEET NO. 3A OF 7



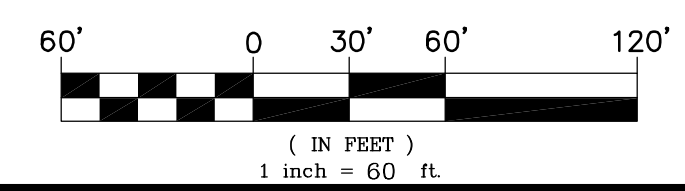
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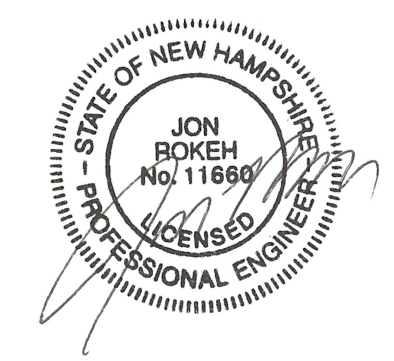
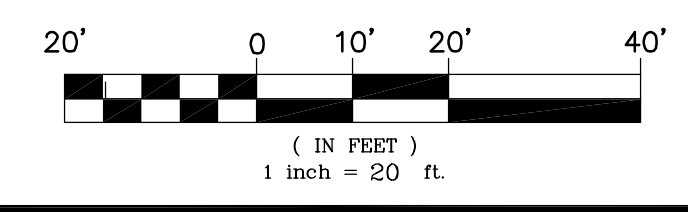
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NOTES:

1. THE SUBJECT PARCEL IS LOT 3-2 ON THE TOWN OF WILTON TAX MAP F. THE OWNER OF RECORD IS ISAAC FRYE HOLDINGS, LLC, 586 TURNPIKE ROAD, NEW IPSWICH, NH 03071
2. THE CURRENT ZONING FOR SUBJECT PROPERTY AND ABUTTING PROPERTIES IS GENERAL RESIDENCE AND AGRICULTURAL DISTRICT (RA ZONE). THE PARCEL IS ALSO LOCATED IN THE AQUIFER PROTECTION OVERLAY DISTRICT AND THE WETLAND OVERLAY DISTRICT FOR THE WETLAND AREA SHOWN HEREON.
3. THIS PLAN IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED IN 2021. THE WORK WAS PREPARED BY FIELDSTONE LAND CONSULTANTS, LLC, 206 ELM STREET, MILFORD, NH 03055.
4. THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED IMPROVEMENTS TO AN EXISTING PARCEL FOR A NEW SINGLE FAMILY MANUFACTURED HOME WITH ASSOCIATED DRIVEWAY ENTRANCE AND ANY STORMWATER RUN-OFF REQUIREMENTS. THE GRADING AND EROSION CONTROL IS TO PROVIDE A FINISHED AREA (IMPROVED AREA) THAT MEETS STANDARD DESIGN AND EROSION CONTROL PRACTICES PER NHDES. SOME OF THE WORK HAS BEEN PREVIOUSLY DONE REGARDING THE GRAVEL DRIVEWAY AND AN AREA WHERE THE HOME IS PROPOSED.
5. THE HORIZONTAL DATUM IS NH GRID COORDINATES. THE VERTICAL DATUM IS USGS.
6. THERE ARE NO FLOOD ZONE REQUIREMENTS FOR THIS PROPOSAL AS DETERMINED BY CURRENT F.I.R.M. MAPS.
7. THE UTILITY INFORMATION SHOWN IS BASED ON THE ABOVE GROUND LOCATION OF VISIBLE UTILITIES. THE CONTRACTOR NEEDS TO FIELD VERIFY ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THIS OFFICE DOES NOT GUARANTEE THE LOCATION AND ACCURACY OF THE UTILITY DATA. DIG SAFE SHALL BE CONTACTED 72 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION (811).
8. THE TOPOGRAPHIC CONTOURS OF THE SUBJECT PARCEL WHICH ARE SHOWN ARE DERIVED FROM FIELD MEASUREMENTS AND AERIAL TOPOGRAPHY. SEE EXISTING CONDITIONS PLAN FOR COMPLETE SURVEY INFORMATION.
9. THERE ARE NO JURISDICTIONAL WETLANDS ON THE PROPERTY IN THE AREA OF CONSTRUCTION FOR THIS PROJECT.
10. DISTURBED AREA FOR PROJECT IS 0.91 ACRES OR APPROXIMATELY 39,694 SQ. FT.
11. A VARIANCE WAS GRANTED ON NOVEMBER 9, 2021 FOR SECTION 4.1 TO ALLOW THE EXCAVATION OF GRAVEL INCIDENTAL TO THE CONSTRUCTION OF A SINGLE FAMILY HOME. CASE NUMBER #5/11/21-1.
12. OPEN SPACE UNDER ANY MANUFACTURED HOME IN THIS PROPOSAL SHALL BE ENCLOSED WITH SUITABLE "SKIRTING".
13. ANY RECLAMATION WORK AND SUBSEQUENT EXCAVATIONS NEEDED FOR THE DWELLING SHALL ONLY BE DONE BETWEEN THE HOURS OF 8AM TO 6PM
14. STUMPS WILL BE REMOVED FROM THE SITE PER STATE AND LOCAL REGULATIONS
15. THE RECLAMATION OF THE PROJECT IS ANTICIPATED TO BE WITHIN 6 MONTHS OF FINAL PLANNING BOARD AND ZBA APPROVAL. THE CONSTRUCTION OF THE HOME MAY NEED A 3 MONTH EXTENSION THAT WAS AGREED UPON WITH THE TOWN IF NECESSARY DEPENDING UPON WEATHER RELATED DELAYS.



ADDITIONAL SLOPE PLANTINGS:
PLEASE SEE LANDSCAPE PLAN BY TERRAIN LAND PLANNING FOR SLOPE PLANTING PLAN.

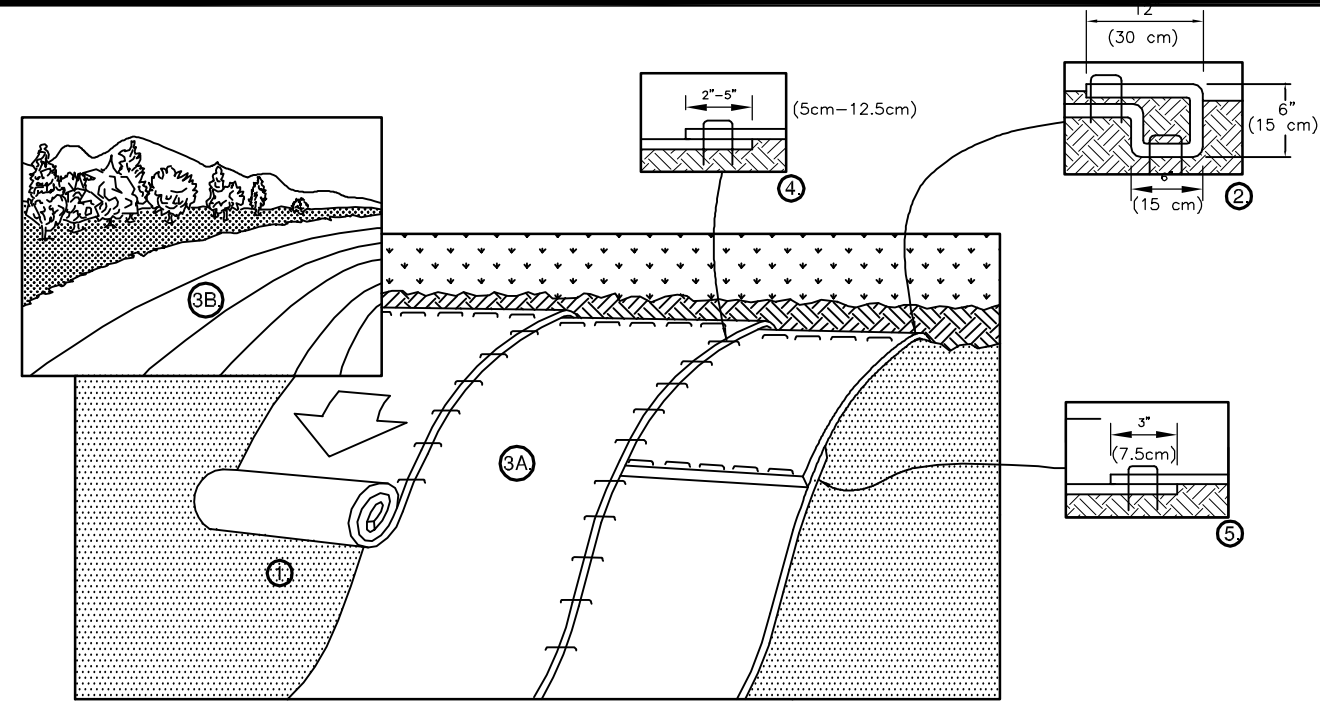
Owner / Applicant:
ISAAC FRYE HOLDINGS, LLC
586 Turnpike Road
New Ipswich, NH 03071

GRADING DRAINAGE EROSION CONTROL AND RECLAMATION PLAN
EXCAVATION PROJECT
TAX LOT F-3-2
Isaac Frye Highway
Wilton, New Hampshire

DATE	DESCRIPTION	DWN BY	CK BY
2-28-23	EDITS TO ADDRESS P.B. COMMENTS	JR	JR
4-5-23	MOVE POND AWAY FROM NORTHERLY PROPERTY LINE	JR	JR
09/25/23	REVISED PER ENGINEER REVIEW	JR	JR
2-5-24	REVISED PER ENGINEER REVIEW	JR	JR
4-8-24	REVISED PER ENGINEER REVIEW	JR	JR

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

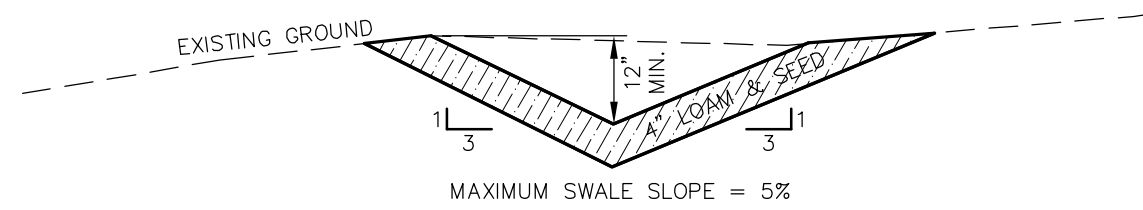
SCALE: VARIES SEE ABOVE
DATE: DECEMBER 2, 2022
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 4 OF 7



TEMPORARY EROSION CONTROL BLANKETS NHFG WILDLIFE FRIENDLY REQUIREMENTS

CONSIDERATIONS

1. THERE SHALL BE NO PLASTIC OR MULTI-FILAMENT OR MONOFILAMENT EROSION CONTROL NETTING FOR THIS PROJECT. THESE ARE KNOWN SOURCE OF ENTRAPMENT AND MORTALITY FOR PROTECTED SNAKES AND TURTLES AND OTHER SENSITIVE SPECIES. NO OPENINGS OF NETTING SHALL BE MORE THAN ONE EIGHTH INCH.
2. SEVERAL "WILDLIFE FRIENDLY" OPTIONS SUCH AS BIODEGRADABLE WOVEN ORGANIC MATERIAL (E.G., COCO MATTING) OR THE USE OF EROSION CONTROL MULCH BERM IS ACCEPTABLE.
3. ACCEPTABLE MATERIALS INCLUDE NORTH AMERICAN GREEN C125BN OR EAST COAST EROSION CONTROL BLANKET ECC-2B BOTH ARE BIODEGRADABLE WITH A COCONUT FIBER MATRIX AND JUTE NETTING.
4. TURF REINFORCEMENT MATS SHALL BE COVERED WITH SOIL TO PREVENT EXPOSURE OF MATS TO THE GROUND SURFACE.



CONSTRUCTION NOTES

1. THE FOUNDATION AREA OF THE WATERWAY SHALL BE CLEARED AND GRUBBED OF ALL TREES, BRUSH, STUMPS AND OTHER OBJECTIONABLE MATERIAL. MATERIALS REMOVED SHALL BE DISPOSED OF SO THEY DO NOT INTERFERE WITH THE CONSTRUCTION OR PROPER FUNCTION OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE DESIGN CRITERIA. THE WATERWAY SHALL BE FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. EARTH FILLS REQUIRED TO MEET SUBGRADE REQUIREMENTS BECAUSE OF OVER EXCAVATION OR TOPOGRAPHY SHALL BE COMPACTED TO THE SAME DENSITY AS THE SURROUNDING SOIL TO PREVENT UNEQUAL SETTLEMENT THAT COULD CAUSE DAMAGE TO THE COMPLETED WATERWAY. EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER AS TO MINIMIZE EROSION AND AIR AND WATER POLLUTION. ALL APPROPRIATE STATE AND LOCAL LAWS AND REGULATIONS SHALL BE COMPLIED WITH FOR DESIGN AND INSTALLATION.
5. THE WATERWAY SHALL BE STABILIZED USING THE APPROPRIATE "BEST MANAGEMENT PRACTICES" FOR VEGETATIVE MEASURES.

GRASS LINED SWALE

NOT TO SCALE

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

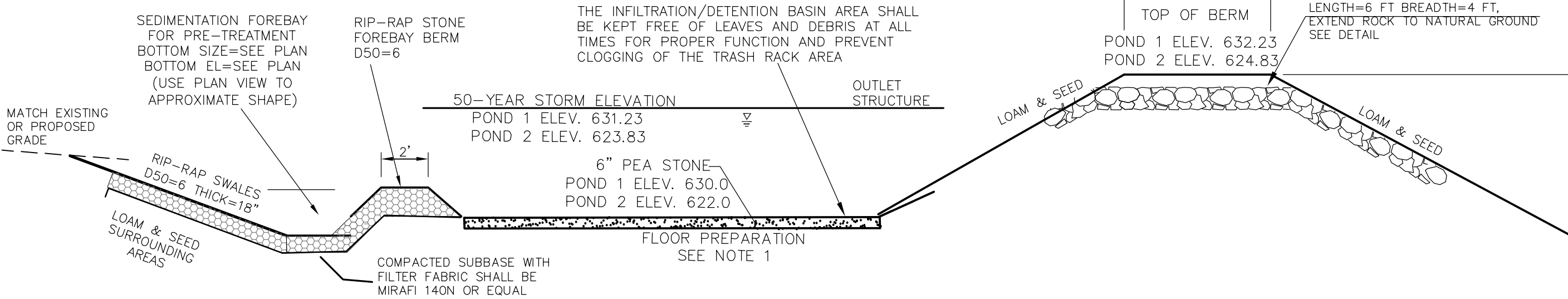
14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
USA 1-800-772-2040 CANADA 1-800-448-2040
www.nogreen.com



SLOPE STABILIZATION

FOR EROSION CONTROL

NOT TO SCALE



INFILTRATION BASIN DETAIL 1 & 2

INFILTRATION BASIN NOTES:

RED CONSTRUCTION
1. BASIN FLOOR CONSTRUCTION - THE BASIN FLOOR SHALL NOT BE TRAFFICED WITH CONSTRUCTION EQUIPMENT. ONCE THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION THE FLOOR SHALL BE DEEPLY TILLED TO RESTORE THE INFILTRATION RATE. ONCE TILLED THE AREA CAN BE PASSED WITH A LEVELING DRAG. THE FLOOR SHALL RECEIVE A 6" LAYER OF 3/8" PEA STONE

NOTES

1. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) 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 SYSTEM.
3. AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE BOTTOM OF THE FILTER MEDIA, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG, THEN APPLY THE FILTER MEDIA.
4. VEGETATION WITHIN THE BASIN 18 INCHES ABOVE THE FILTER MEDIA ELEVATION ON THE SIDE SLOPES SHOULD BE ESTABLISHED IMMEDIATELY.
5. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
6. THE FOUNDATION AREA SHALL BE CLEARED OF TREES, LOGS, STUMPS, ROOTS, BRUSH, BOULDERS, SOIL AND RUBBISH - SCARIFY SURFACE BEFORE PLACING FILL. THE AREA SHALL BE MOIST FOR GOOD BONDING OF THE NEW FILL. KEEP STANDING WATER FROM FORMING ON OR NEAR THE FILL AREA.
7. THE FILL SHALL BE FREE OF DETRIMENTAL AMOUNTS OF SOD, ROOTS, FROZEN SOIL, STONES LARGER THAN 6 INCHES AND OTHER OBJECTIONABLE MATERIAL. CRUSHED GRAVEL (3/4") SHALL BE PLACED AROUND PIPES AND CONCRETE STRUCTURES.
8. THE PLACING AND SPREADING OF FILL SHALL BE STARTED AT THE LOWEST POINT IN THE BERM AREA AND BROUGHT UP IN HORIZONTAL LAYERS (LIFTS) OF ABOUT 12" SO THAT REQUIRED COMPACTION CAN BE OBTAINED. THE DISTRIBUTION AND GRADATION OF MATERIALS SHALL BE SUCH THAT NO LENSES, POCKETS, STREAKS OR LAYERS OF MATERIAL DIFFER SUBSTANTIALLY IN TEXTURE OR GRADATION FROM THE SURROUNDING MATERIAL.
9. THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE ADEQUATE FOR OBTAINING THE REQUIRED COMPACTION.

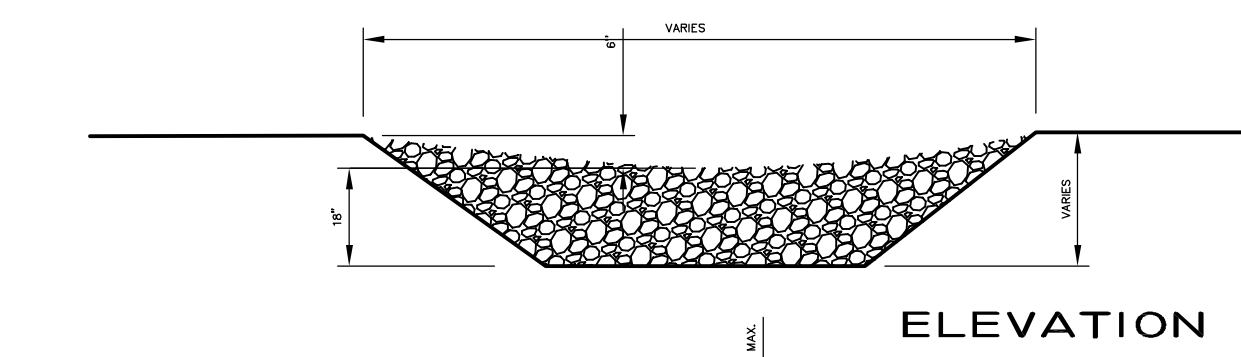
9. THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE ADEQUATE FOR OBTAINING THE REQUIRED COMPACTION.
10. CONSTRUCTION EQUIPMENT SHALL BE OPERATED OVER AREAS OR EACH LAYER OF FILL TO INSURE REQUIRED COMPACTION. USE SPECIAL EQUIPMENT IF NECESSARY. FILL ADJACENT TO PIPES AND STRUCTURES SHALL BE COMPACTED BY HAND TAMPING OR PLATE VIBRATOR. FILL ADJACENT TO CONCRETE STRUCTURES SHALL NOT BE COMPACTED UNTIL CONCRETE HAS CURED STRONG ENOUGH TO SUPPORT THE LOAD.
11. FOR PROTECTION ALL EXPOSED AND DISTURBED SURFACES (OTHER THAN THE FILTER MEDIA) SHALL HAVE A COVER OF VEGETATION, PREFERABLY TOPSOIL AND SEED. FOLLOW SEEDING SPECIFICATIONS AND GENERAL NOTES IN THE EROSION CONTROL DETAILS SECTION IN THIS PLANSET.

SAFETY

1. PONDS THAT ARE EASILY ACCESSIBLE IN POPULATED AREAS SHOULD INCORPORATE ALL POSSIBLE SAFETY PRECAUTIONS. DUE TO ONLY TEMPORARY WATER LEVELS IN THESE BASINS, FENCING IS NOT NECESSARY.

MAINTENANCE

1. MAINTENANCE IS NECESSARY IF THE BASIN IS TO CONTINUE TO FUNCTION AS DESIGNED. THE LANDOWNER MUST BE AWARE OF THE REQUIREMENTS FOR A PROPERLY OPERATIONAL BASIN AND A PLAN BE DEVELOPED FOR REGULAR SCHEDULED MAINTENANCE.
2. THE EMBANKMENT SHOULD BE INSPECTED TO DETERMINE IF RODENT BURROWS, WET AREAS OR EROSION OF THE FILL IS TAKING PLACE.
3. THE VEGETATION SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC AND DENSE WEED GROWTH. LIME AND FERTILIZER SHOULD BE APPLIED AS NECESSARY AS DETERMINED BY SOIL TESTS. TREES AND SHRUBS SHOULD BE KEPT OFF THE EMBANKMENT AND EMERGENCY SPILLWAY AREAS.
4. PIPE INLETS AND SPILLWAY STRUCTURES SHOULD BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM. ACCUMULATED DEBRIS AND SEDIMENT SHOULD BE REMOVED. IF PIPES ARE COATED, THE COATING SHOULD BE CHECKED AND REPAIRED AS NECESSARY.
5. PIPE OUTLETS SHOULD BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM. THE CONDITION OF THE PIPES SHOULD BE NOTED AND REPAIRS MADE AS NECESSARY. IF EROSION IS TAKING PLACE, THEN MEASURES SHOULD BE TAKEN TO STABILIZE AND PROTECT THE AFFECTED AREA OF THE OUTLET.
6. SEDIMENT SHOULD BE CONTINUALLY CHECKED IN THE BASIN. WHEN SEDIMENT ACCUMULATIONS REACHED THE PREDETERMINED DESIGN ELEVATION, THEN THE SEDIMENT SHOULD BE REMOVED AND PROPERLY DISPOSED OF.



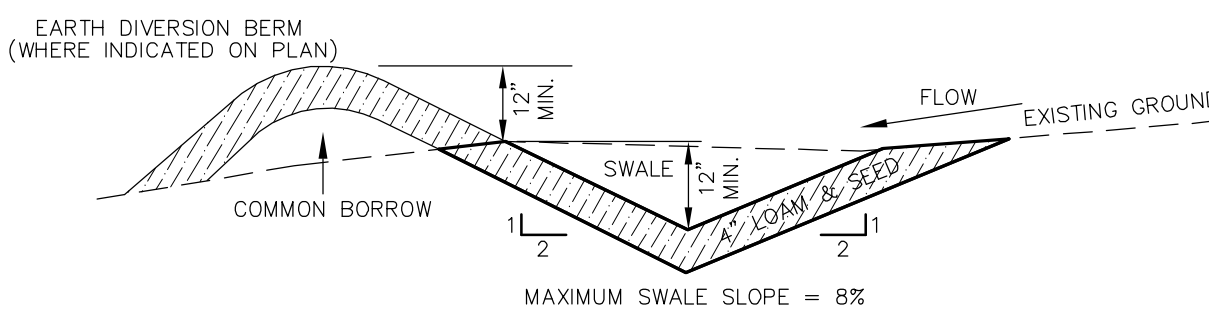
SECTION

NOTE

1. STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION WILL BE MINIMIZED.
3. WHEN STRAW BALES ARE USED, THEY ARE TO BE EMBEDDED INTO THE SOIL 4 INCHES. WHEN TIMBERS ARE TO BE USED, THE TIMBER SHALL EXTEND AT LEAST 18 INCHES INTO THE SOIL.
4. STRAW OR STRAW BALES SHALL BE ANCHORED INTO THE SOIL USING 2"x2" STAKES DRIVEN THROUGHOUT THE BALES AT LEAST 18 INCHES INTO THE SOIL.
5. SEEDING, FERTILIZING AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATE BMP.
6. STRUCTURES ARE TEMPORARY AND ARE TO BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS EXPIRED, WHEN A SOLID STAND OF GRASS HAS GROWN AND STABILIZED.

STONE CHECK DAM

NOT TO SCALE

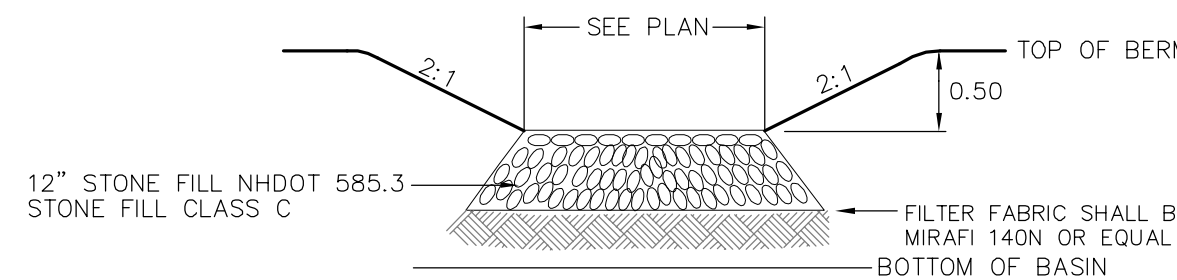


CONSTRUCTION NOTES

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2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE DESIGN CRITERIA. THE WATERWAY SHALL BE FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
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5. THE WATERWAY SHALL BE STABILIZED USING THE APPROPRIATE "BEST MANAGEMENT PRACTICES" FOR VEGETATIVE MEASURES.

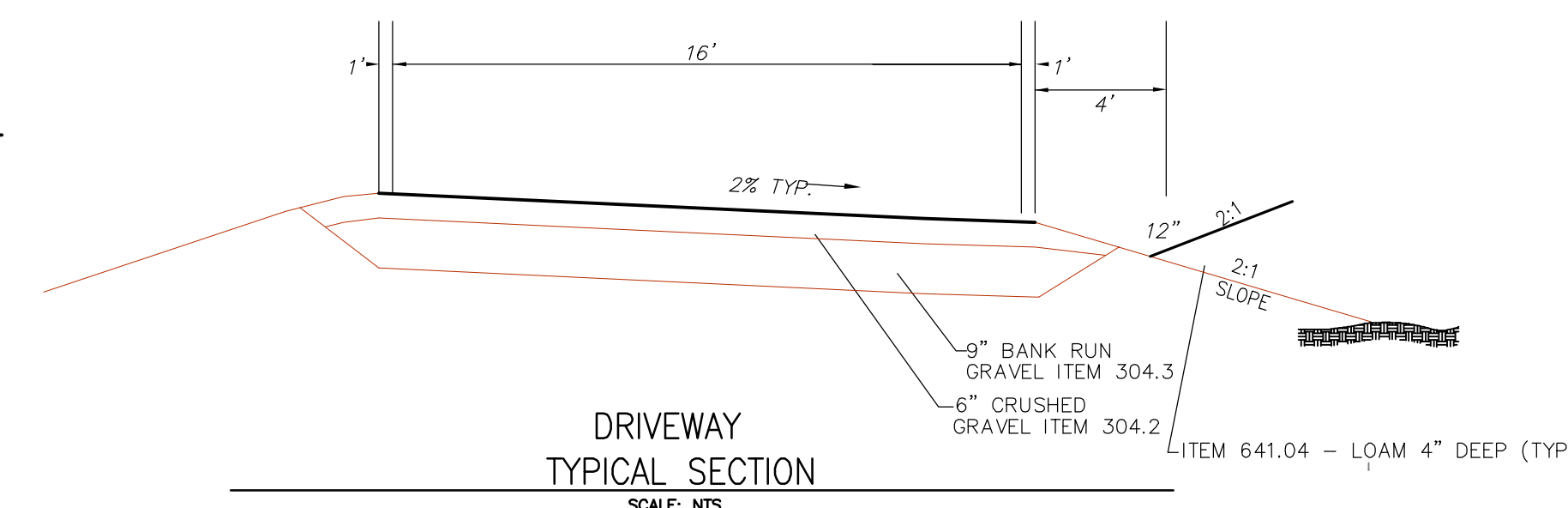
GRASS LINED CUT OFF SWALE

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TYPICAL EMERGENCY SPILLWAY DETAIL

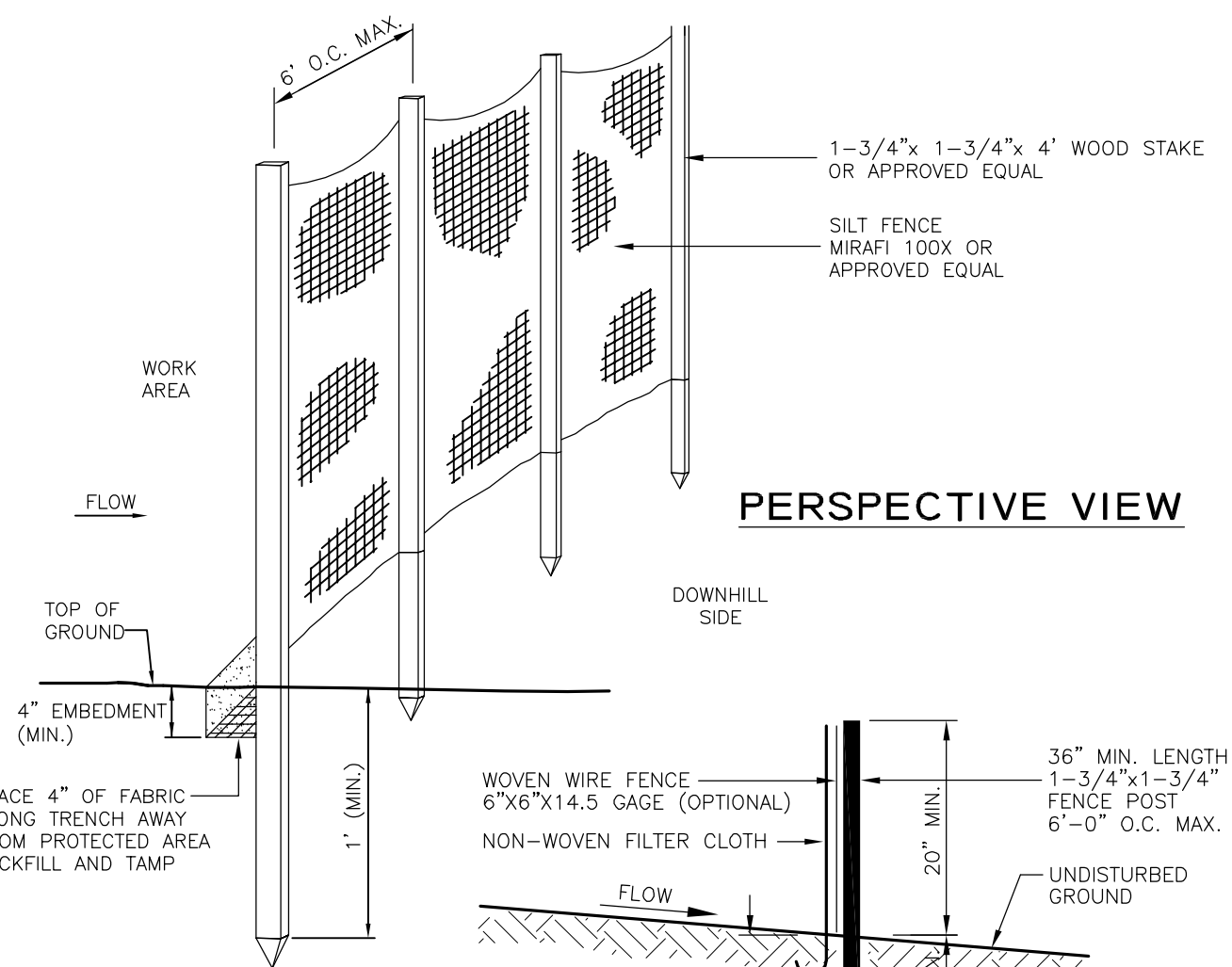
NOT TO SCALE



NOTES:

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE TOWN OF WILTON REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE CONTRACTOR/HOMEOWNER SHALL BE AWARE OF HIS RESPONSIBILITY TO CONTACT "DIG-SAFE" AT 331 MONTVALE AVE., WOBURN, MA (1-888-344-7233; WWW.DIGSAFE.COM) AT LEAST 72 WORKING HOURS PRIOR TO THE START OF ANY EXCAVATION.

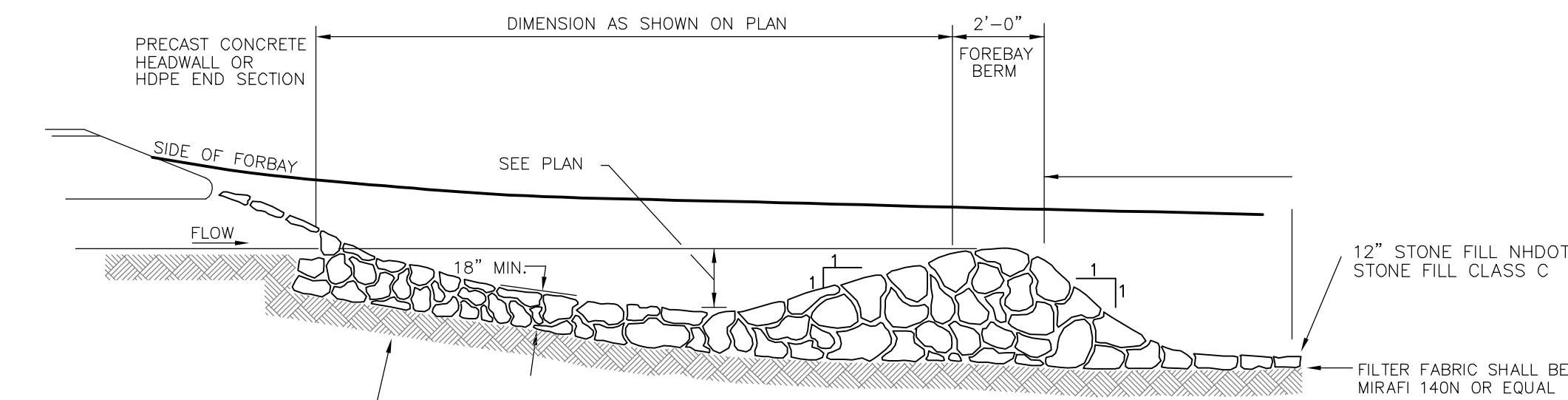


MAINTENANCE

1. SILT FENCES ARE TO BE INSPECTED IMMEDIATELY AFTER EVERY RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF OF THE BARRIER.
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 SCALE



FORBAY SECTION

NOT TO SCALE				
FORBAY	REQUIRED FORBAY	PROPOSED FORBAY VOLUME CF	ROCK DAM HEIGHT FT	STONE
POND 1	50 CF	100CF	1.0	CLASS C
POND 2	40	100 CF	1.0	CLASS C

Owner / Applicant:
ISAAC FRYE HOLDINGS, LLC
586 Turnpike Road
New Ipswich, NH 03071

CONSTRUCTION DETAILS
EXCAVATION PROJECT
TAX LOT F-3-2
Isaac Frye Highway
Wilton, New Hampshire

REVISIONS

DATE	DESCRIPTION	DWN BY	CK BY
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4-8-24	REVISED PER ENGINEER REVIEW	JR	JR

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

SCALE: AS NOTED
DATE: DECEMBER 2, 2022
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 5 OF 7

GENERAL NOTES:

1. PROJECT ENGINEER: ROKEH CONSULTING, LLC, 89 KING ROAD, CHICHESTER, NH 03288
2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
3. IF, DURING CONSTRUCTION IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR, DEVELOPER OR OWNER ARE RESPONSIBLE TO DOCUMENT THE APPARENT DEFICIENCIES AND NOTIFY THE DESIGN ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE CONTRACTOR, DEVELOPER OR OWNER WILL RESOLVE THE APPARENT DEFICIENCIES TO MEET APPLICABLE TOWN REGULATIONS.
4. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED, THE CONTRACTOR, DEVELOPER OR OWNER SHALL BE REQUIRED TO INSTALL ADDITIONAL EROSION PROTECTION MEASURES.
5. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO VERIFY THE LOCATION OF ALL UTILITIES OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR. (BIG SAFE NUMBER PROVIDED ON SHEET 1)
6. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AT ALL TIMES.
7. NO EXCAVATED AREA SHALL BE LEFT UNATTENDED AND SHALL BE THOROUGHLY SECURED ON A DAILY BASIS.
8. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENT AND INTENT OF RSA 430:53 AND CHAPTER A9 3800 RELATIVE TO INVASIVE SPECIES.

CONSTRUCTION SEQUENCE:

1. CUT AND CLEAR TREES WITHIN LIMIT OF WORK (PROPOSED PRELIM), UNLESS OTHERWISE NOTED. ALL STUMPS, BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF OFF SITE.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN AND DETAILED IN THIS PLAN SET.
3. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES (GRASS SWALES AND STONE LINED RIP-RAP SWALES) PRIOR TO ANY EARTH MOVING OPERATION.
4. ALL SWALES AND DITCH LINES SHALL BE PROTECTED FROM EROSION. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
5. ALL STORM DRAINAGE SYSTEMS SUCH AS DETENTION/RETENTION BASINS, TREATMENT SWALES AND LEVEL SPREADERS SHALL BE PROTECTED FROM EROSION. ALL STORM DRAINAGE SYSTEMS SHALL BE STABILIZED PRIOR TO DIRECTING FLOW INTO THEM.
6. CONSTRUCT TEMPORARY DIVERSION DITCHES/SWALES OR BERMS AS REQUIRED TO MINIMIZE THE EROSION EFFECTS OF STORMWATER RUNOFF DURING ALL CONSTRUCTION ACTIVITIES.
7. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE;
 - C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE, OR RIP-RAP HAS BEEN INSTALLED; OR
 - D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
8. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND DEBRIS SHALL BE PROPERLY DISPOSED OF PREFERABLY OFF SITE.
9. ALL MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLAND AREAS. ALL STOCKPILES SHALL BE SEDED WITH WINTER RYE AND IF NECESSARY, SURROUNDED WITH SILT FENCE, AND/OR STRAW BALES, IN ORDER TO PREVENT OR CONTAIN SOIL EROSION.
10. ALL MATERIAL SUITABLE FOR FILL OR SELECT MATERIAL SHALL BE STOCKPILED IN UPLANDS AREAS. ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE, AND/OR STRAW BALES, IN ORDER TO CONTAIN SOIL EROSION.
11. COMPLETE ROADWAY SLOPE GRADING/EMBANKMENT CONSTRUCTION. ALL SLOPES SHALL BE STABILIZED AND SEDED IMMEDIATELY SPECIFIED.
12. APPLY TOPSOIL TO PARKING LOT SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE TO THE PROJECT OR FROM ANOTHER PROJECT. TOPSOIL SHALL BE APPLIED TO PROVIDE A MINIMUM OF 2 INCHES OF TOPSOIL. ALL SEDED AREAS SHALL BE SEDED WITH WINTER RYE. SECTIONS ARE TO BE LINED, SEDED, AND MULCHED. THE CONTRACTOR SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
13. MAINTAIN, REPAIR, AND REPLACE TEMPORARY EROSION CONTROL MEASURES AS NECESSARY FOR A MINIMUM PERIOD OF 12 MONTHS FOLLOWING SUBSTANTIAL COMPLETION.
14. AFTER STABILIZATION (12 MONTHS FOLLOWING SUBSTANTIAL COMPLETION), REMOVE AND PROPERLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES, PREFERABLY OFF SITE.

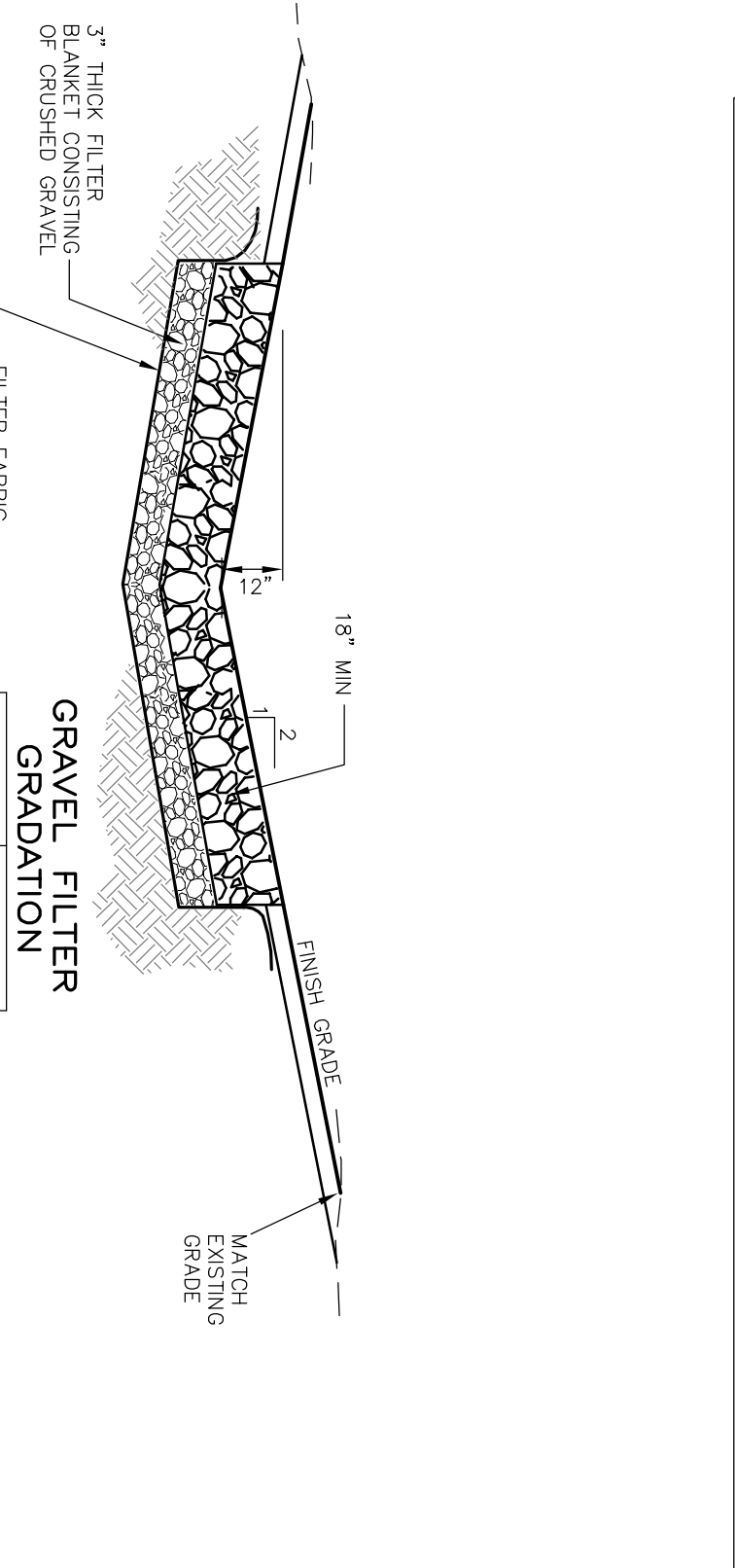
WINTER CONSTRUCTION NOTES

1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3%. SEEDING AND PLACING OF EROSION CONTROL BLANKETS SHALL BE COMPLETED BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER INCH OF FILL SOA.

SEEDING SPECIFICATIONS

MIXTURE	POUNDS/ACRE	POUNDS/1,000 SQ. FT.
WINTER SEASON GRASSES AND DROUGHTY CONDITIONS		
TALL FESCUE	20	0.45
SEEDING RED FESCUE	20	0.45
RIP-RAP	42	0.95
TOTAL		0.95

1. SEEDBED PREPARATION
 - A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - B. STUMPS LARGER THAN FOUR 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 FOUR INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN SLOPE WHERE PRACTICAL. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ABOUT 10 TO 15 DAYS BEFORE SEEDING.
2. ESTABLISHING A STAND
 - A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SEEDBED BY DISKING OR WITH A HARROW. FERTILIZER SHOULD BE BASED ON ANALYSIS OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
 - AGRICULTURAL LIMESTONE: 2 TONS PER ACRE OR 0.09 LBS. PER SQ. FT.
 - AMMONIUM NITRATE: 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
 - POTASH (K₂O): 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
 (NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1000 LBS. PER ACRE OF 5-10-10)
 - B. 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 0.25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
3. REFER TO TABLE 7-35 OF "STORMWATER MANAGEMENT AND SEDIMENTATION CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS" FOR MORE INFORMATION ON FERTILIZER AND LIME APPLICATION RATES FOR VARIOUS SPECIFIC INOCULANT.
4. WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER, WHEN MULCH IS NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 1.
5. MULCH
 - A. STRAW, STRAW OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - B. MULCH WILL BE HELD IN PLACE USING TECHNIQUES FROM THE "BEST MANAGEMENT PRACTICE FORMULATING" DEVELOPING AREAS IN NEW HAMPSHIRE.
 - C. MAINTENANCE TO ESTABLISH A STAND
 - A) PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 - B) FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY REQUIRED TO MAINTAIN THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
 - C) IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.



RIP-RAP GRADATION

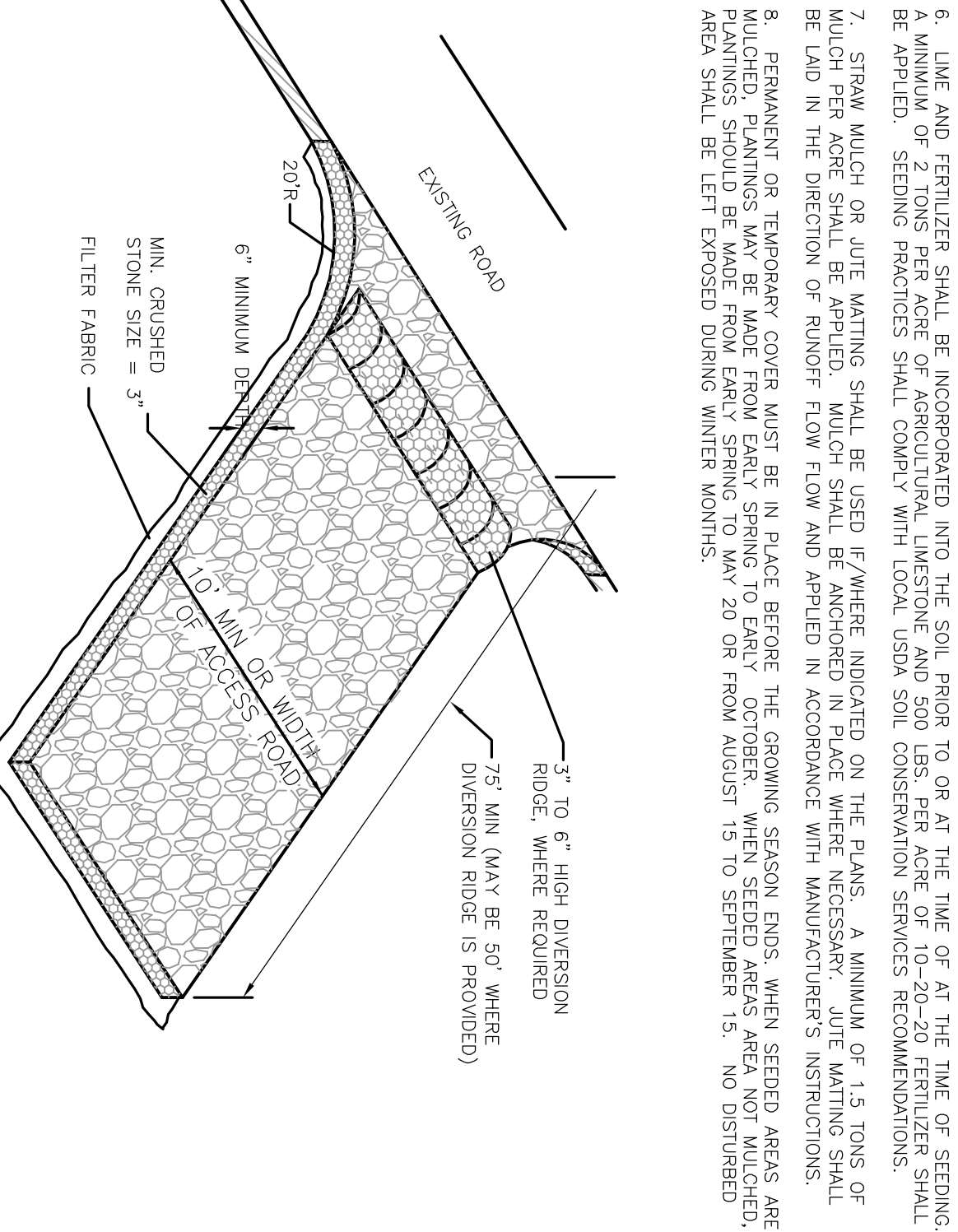
NHDOT 585.3
Stone Fill Class C.

GRAVEL FILTER GRADATION	NO. 4	NO. 200
3/8"	100	0-8
1/2"	85-100	
3/4"	60-90	
1"	40-70	
1 1/2"	20-50	
2"	10-40	

RIP RAP SWALE
NOT TO SCALE

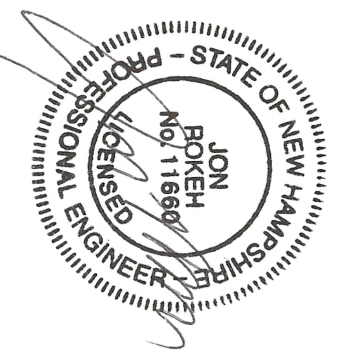
EROSION CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH THE TOWN REGULATIONS AND TOWN REGULATIONS. THE GENERAL NOTES AND DETAILS CONTAINED IN THIS PLAN SET AS A GUIDE ONLY.
1. PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS. INSTALLATION OF STRAMBALE BARRIERS AND "TIRETRAX SOX" OR SILTATION FENCES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY BARRETT AREA. PREPARED SILTATION FENCES AND TIRETRAX SOX SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
 2. STRAMBALE BARRIERS AND SILTATION FENCES SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATIVE COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES.
 3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
 4. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. ALL ROADWAYS AND/OR PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE. CUT AND FILL SLOPES SHALL BE LOAMED & SEDED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE. TEMPORARY AND/OR PERMANENT STABILIZATION SHALL BE INSTALLED WITHIN 60 DAYS OF INITIAL CONSTRUCTION.
 5. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - B) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED;
 - C) A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED
 - D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED
 6. THE LIMIT: ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
 7. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM INSTALLED WITH NOT LESS THAN 1.1 POUNDS OF SEED MIX PER 1,000 SQ. FT. SEE SEEDING SPECIFICATIONS ON THIS SHEET.
 8. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO OR AT THE TIME OF SEEDING.
 9. A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. SEEDING PRACTICES SHALL CONFORM WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.
 10. STRAW MULCH OR JUTE MATTING SHALL BE USED IF WHERE INDICATED ON THE PLANS. A MINIMUM OF 1.5 TONS OF MULCH PER ACRE SHALL BE APPLIED. MULCH SHALL BE ANCHORED IN PLACE WHERE NECESSARY. JUTE MATTING SHALL BE Laid IN THE DIRECTION OF RUNOFF FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 11. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. 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 15 TO SEPTEMBER 15. NO UNDISTURBED AREAS SHALL BE LEFT EXPOSED DURING WINTER MONTHS.



- MAINTENANCE**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. WHEN THE CONTROL PAD BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED ALONG WITH THE COLLECTED SOIL MATERIAL, REGRADED ON SITE, AND STABILIZED. THE ENTRANCE SHALL THEN BE RECONSTRUCTED.
 2. THE CONTRACTOR SHALL SWEEP THE PAVEMENT AT EXITS WHENEVER SOIL MATERIALS ARE TRACKED ONTO THE ADJACENT PAVEMENT OR TRAVELED WAY.
 3. WHEN WHEEL WASHING IS REQUIRED, IT SHALL BE CONDUCTED ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENT-TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS.
- CONSTRUCTION SPECIFICATIONS:**
1. ONLY CONSTRUCTION TRAFFIC LEAVING THE SITE IS REQUIRED TO USE THE TEMPORARY STABILIZED EXIT. ALL OTHER TRAFFIC SHALL BE REQUIRED TO USE THE PERMANENT EXIT. THE PERMANENT EXIT SHALL BE DESIGNED TO INCREASE THE LENGTH OF THE STABILIZED EXIT BY ELIMINATING HEAVY LOADS ENTERING THE SITE AND REDUCING THE TOTAL TRAFFIC OVER THE DEVICE.
 2. 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 MAINTENANCE OF ANY MEASURES USED TO TRAP SEDIMENT.
 3. STONE FOR A TEMPORARY CONSTRUCTION EXIT SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
 4. THE MINIMUM LENGTH OF THE PAD SHALL BE 75 FEET EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH HIGH BERM IS INSTALLED AT THE ENTRANCE OF THE PRODUCT SITE.
 5. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
 6. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE EXIT OR 10 FEET, WHICH EVER IS GREATER.
 7. GEOTECHNICAL FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
 8. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT 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.

TEMPORARY CONSTRUCTION EXIT
NOT TO SCALE



Owner / Applicant:
ISAAC FRYE HOLDINGS, LLC
586 Turnpike Road
New Ipswich, NH 03071

CONSTRUCTION DETAILS
EXCAVATION PROJECT
TAX LOT F-3-2
Isaac Frye Highway
Wilton, New Hampshire

REVISIONS

DATE	DESCRIPTION	DWN BY	OK BY
2-28-23	EDITS TO ADDRESS P.B. COMMENTS	JR	JR
06/25/23	REQUESTED PER ENGINEER REVIEW	JR	JR
7-5-24	REVISED PER ENGINEER REVIEW	JR	JR
7-6-24	REVISED PER ENGINEER REVIEW	JR	JR

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

SCALE: AS NOTED
DATE: DECEMBER 2, 2022
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 6 OF 7

RECLAMATION NOTES & OPERATIONAL STANDARDS:

- 1. 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.
2. ALL RECLAMATION & OPERATIONAL STANDARDS SHALL COMPLY WITH NHRSA 155-E & TOWN OF BELMONT.
3. ELEVATIONS SHOWN ON PLAN MAY NOT BE ACCURATE IN ALL AREAS. DUE TO EXCAVATION OF MATERIAL SINCE TOPO DATA WAS COLLECTED. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS.
SITE PREPARATION (NRCS PM-NH-21)
- CUT AND FILL SLOPES SHALL NOT EXCEED 2:1 TO PROVIDE STABILITY.
- FLATTER AND FILL SLOPES SHALL BE PREFERRED TO FACILITATING SEEDING EFFORTS.
- AVOID LONG SLOPES TO HELP PREVENT EROSION AND TO ALLOW ACCESS FOR SEEDING MULCHING, AND MAINTENANCE. CONTROL SLOPE LENGTH BY INSTALLING ONE TERRACE (10 FEET WIDE AND SLOPED INTO THE CUT SLOPE) FOR EVERY 40 VERTICAL FEET.
- CONSTRUCT DIVERSIONS AT TOPS OF SLOPES TO DIVERT RUNOFF WATER AWAY FROM SLOPE BANKS TO A STABLE OUTLET
- REMOVE LARGE STONES, BOULDERS, AND OTHER DEBRIS THAT WILL HINDER THE SEEDING PROCESS AND ESTABLISHMENT OF VEGETATION
- OBTAIN SOIL SAMPLES BY COLLECTING 6 TO 8 SMALL SAMPLES (1 OR 2 HANDFULS) OF SOIL MATERIAL FROM THE UPPER 4 INCHES OF THE AREA TO BE SEED. MIX THE SMALL SAMPLES TO OBTAIN ONE COMPOSITE SAMPLE.
- USE PART OF THE SAMPLE FOR A SOIL TEXT TO DETERMINE LIME AND FERTILIZER NEEDS. RUN THE BALANCE OF THE SAMPLES THROUGH A SIEVE ANALYSIS TO DETERMINE THE PERCENT BY WEIGHT PASSING A NO. 22 SIEVE. THOSE PASSING ARE CALLED 'FINES'.
TEMPORARY SEEDING
TEMPORARY SEEDING WILL BE ONE OF THE FOLLOWING, BASED ON TIME OF YEAR:
TIME PERIOD SEED TYPE APPLICATION RATE (POUNDS / ACRE)
1. AUGUST 15 TO SEPTEMBER 5 WINTER RYE 112
2. NO LATER THAN MAY 15 PERENNIAL RYE GRASS 80
3. APRIL 15 TO SEPTEMBER 15 PERENNIAL RYE GRASS 30

RECLAMATION NOTES & OPERATIONAL STANDARDS (CONT):

- 4. SOIL STABILIZATION
SEEDING TO BE PERFORMED IN ACCORDANCE WITH (NRCS) PUBLICATION PM-NH-21 AND NHDNR'S STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION CONTROL PLAN. LONG TERM COVER, SOIL SAMPLES SHOULD BE TAKEN TO DETERMINE AMOUNTS OF FERTILIZER NEEDED AND PERCENT BY WEIGHT PASSING NO. 200 SIEVE.
IN LIEU OF THE SOIL TESTS THE FOLLOWING SHALL APPLY.
LIME & FERTILIZER: FOR NRCS PM-21 SEED MIX 2
LIME 2 TONS / ACRE
FERTILIZER 500 LBS / ACRE
10-20-20
NOTE: THE SOIL USED TO RECLAIM THE SLOPE SHOULD BE TESTED AS NOTED IN NRCS PMR-21 IF SEED MIX 2 DOES NOT APPLY. THE APPROPRIATE MIX SHALL BE USED
SLOPE SEED MIX 2* SEE USDA/NRCS TECHNICAL NOTE PM-NH-21 VEGETATING NH SAND AND GRAVEL PITS

Table with 4 columns: SPECIES, KIND OF SEED, MINIMUM PURITY (%), MINIMUM GERMINATION (%), APPLICATION RATE (POUNDS PER ACRE). Rows include FLAT PEA, PERENNIAL BEA, CROWN VETCH, and TALL FESCUE.

- CS - COOL SEASON GRASS
INOCULUM AND MAXIMUM HARD SEED SPECIFIC TO CROWNVETCH ARE SPECIFIED IN 644.2.4.1
** Seed mixture is SLOPE SEED MIX 2 This mixture is recommended by the NRCS PUBLICATION PM-NH-21 and Stormwater Management and Erosion and Sediment Control Handbook for the State of New Hampshire. Recommended seed mixtures are listed in the table below.
The mixtures are recommended based on a seed mix of 100% Crown Vetch and 100% Tall Fescue. The mix should not contain any other species.
incorporate lime, fertilizer and seed using rakes. If seeding is done by hand, it is strongly recommended to use a bulldozer to track the site after seeding.
MULCH: 1.5 - 2 TON / ACRE OF HAY OR STRAW. CAN BE SPREAD BY HAND OR MACHINE AND MUST BE DRY AND FREE OF MOULD
PRIMARY SEEDING DATES BEGIN WITH SNOW MELT AND EXTEND TO MAY 15.
5. NO CONSTRUCTION EQUIPMENT IS TO BE STORED ON SITE OUTSIDE OF THE LIMITS OF PROPOSED EXCAVATION SHOWN ON THESE PLANS.
6. FINISHED SLOPES AS SHOWN ON GRADING PLAN ARE TO BE LOAMED AND SEEDED IN ACCORDANCE WITH PERMANENT SOIL STABILIZATION AS OUTLINED ABOVE.
7. THE FINISHED SLOPE GRADING WILL BE STABILIZED IMMEDIATELY UPON COMPLETION.
8. ALL LOAM AND TOPSOIL TO BE STRIPPED AND STOCKPILED AND RESPREAD TO A MINIMUM DEPTH OF 4 INCHES ON THE COMPLETED PIT.
9. 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 SOLE CAPABLE OF SUSTAINING VEGETATION, AND SHALL BE PLANTED WITH SEEDLINGS OR GRASS SUITABLE TO PREVENT EROSION.
10. ALL SLOPES SHALL NOT BE LEFT STEEPER THAN 2:1.
11. ALL ROADWAYS/PARKING AREAS AND CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.

NRCS PM-NH-21 (REVISED APRIL 2000) VEGETATION STABILIZATION NOTES

ALL VEGETATION STABILIZATION SHALL BE IN ACCORDANCE WITH USDA NRCS VEGETATING NEW HAMPSHIRE SAND AND GRAVEL PITS. IN ADDITION TOO, BEST MANAGEMENT PRACTICES FOR ROUTINE ROADWAY MAINTENANCE ACTIVITIES IN NEW HAMPSHIRE, LATEST EDITIONS.

SITE PREPARATION

CUT AND FILL SLOPES SHOULD NOT EXCEED 2:1 HORIZONTAL FEET FOR 1 VERTICAL FOOT TO PROVIDE STABILITY. FLATTER SLOPES (6:1) ARE PREFERRED TO FACILITATE SEEDING EFFORTS. AVOID LONG SLOPES TO HELP PREVENT EROSION AND TO ALLOW ACCESS FOR SEEDING. MULCHING AND MAINTENANCE CONTROL SLOPE LENGTH BY INSTALLING ONE TERRACE (10 FEET WIDE AND SLOPED INTO THE CUT SLOPE) FOR EVERY 40 VERTICAL FEET. CONSTRUCT DIVERSIONS AT TOPS OF SLOPES TO DIVERT RUNOFF WATER AWAY FROM THE SLOPE BANKS TO A STABLE OUTLET. CONSTRUCT ROCK LINED CHUTES OR EQUIVALENT TO CONDUCT CONCENTRATED FLOW OF WATER TO STABLE OUTLETS. REMOVE LARGE STONES, BOULDERS, AND OTHER DEBRIS THAT WILL HINDER THE SEEDING PROCESS AND THE ESTABLISHMENT OF VEGETATION. SPREAD A MINIMUM DEPTH OF 4 INCHES OF TOPSOIL OVER THE SITE, IF AVAILABLE. OBTAIN SOIL SAMPLES BY COLLECTING 6 TO 8 SMALL SAMPLES (1 OR 2 HANDFULS) OF SOIL MATERIAL FROM THE UPPER 4 INCHES OF THE AREA TO BE SEED. MIX THE SMALL SAMPLES TO OBTAIN ONE COMPOSITE SAMPLE. USE PART OF THE SAMPLE FOR A SOIL TEST TO DETERMINE LIME AND FERTILIZER NEEDS. RUN THE BALANCE OF THE SAMPLES THROUGH A SIEVE ANALYSIS TO DETERMINE THE PERCENT BY WEIGHT PASSING A NO. 22 SIEVE. THOSE PASSING ARE CALLED 'FINES'.

(1) SPECIES AND VARIETY SELECTION

PASSING A NO. 200 SIEVE AS OUTLINED ABOVE. MIX 2 IS RECOMMENDED IF SUPPRESSION OF WOODY GROWTH IS DESIRED AND THERE ARE MORE THAN 15 PERCENT FINES. THE STANDARD CONSERVATION MIXES AVAILABLE FROM LOCAL SEED SUPPLIERS ARE NOT RECOMMENDED ON DROUGHTY SITES. THESE MIXES USUALLY PROVIDE A GREEN COVER VERY QUICKLY, BUT THE PLANT SPECIES BEGIN TO DIE IN 2-4 YEARS ON STERILE AND DROUGHTY SITES.

Table with 4 columns: MIX, SPECIES, VARIETIES (SELECT ONE), LBS PER ACRE (R/S). Rows include MIX 1 (LEGUMES AND COOL SEASON GRASS) and MIX 2 (LEGUMES AND COOL SEASON GRASS).

(1) THE COMBINATION MOST CLOSELY REPRESENTS THE NATURALLY OCCURRING VEGETATION WHERE WARM SEASON GRASSES ARE NATIVE IN THE NORTHEAST
(2) THIS COMBINATION HAS THE FASTEST ESTABLISHMENT AND COVER
(3) THIS COMBINATION IS THE SIMPLEST AND MAY BE EASIER TO OBTAIN. OPTIONS 2 OR 1 ARE PREFERRED BY THE AUTHOR.
WHERE PERCENT BY WEIGHT PASSING A NO. 200 SIEVE IS BETWEEN 15 AND 20, USE MIX 1 OR 2
MIX 2 (LEGUMES AND COOL SEASON GRASS)
SPECIES VARIETIES (SELECT ONE) LBS PER ACRE
FLATPEA LANTHO 2.0
PERENNIAL PEA LANGRGT, CHEMUNG 10.0
TALL FESCUE KY-91, REBEL, KENHI 10.0

MIX 3 (COOL SEASON GRASSES AND LEGUMES)

Table with 4 columns: SPECIES, VARIETIES (SELECT ONE), LBS PER ACRE. Rows include TALL FESCUE, REDTOP STREAMER, and BIRDFOOT TREFOIL.

(2) LIME AND FERTILIZER DETERMINATION

(A) MIX 1 - IN LIEU OF A SOIL TEST, LIME AT THE RATE OF 1 TON/ACRE (50 LBS/1,000 SQ FT), FERTILIZE WITH 500 LBS/ACRE (11 LBS/1,000 SQ FT) OF 10-20-20 OR EQUIVALENT. INCORPORATE LIME, FERTILIZER, AND SEED USING RAKES. IF SEEDING IS DONE BY HAND, IT IS STRONGLY RECOMMENDED TO USE A BULLDOZER TO TRACK* THE SITE AFTER SEEDING. TRACKING WILL INCORPORATE THE LIME, FERTILIZER, AND SEED TO PROMOTE SEED GERMINATION.

(3) MULCH DETERMINATION (FOR HYDRO AND HAND SEEDING)

(A) MULCHING FOR MIX 1 - WEED FREE MULCH, CLEAN STRAW IS RECOMMENDED. MULCH AT THE MAXIMUM RATE OF 500-700 LBS/ACRE. HIGHER MULCHING RATES AND MULCH WITH WEED SEED CONTENT WILL INHIBIT SEEDING SUCCESS SIGNIFICANTLY. IF THE EROSION HAZARD IS LOW AND THE SEED IS INCORPORATED, MULCHING IS NOT NECESSARY FOR SEEDING SUCCESS. DO NOT APPLY MULCH PRIOR TO TRACKING WITH A BULLDOZER.
(B) MULCHING FOR MIXES 2 AND 3 - MULCH WITH WEED FREE HAY OR STRAW AND MULCH AT THE RATE OF 2-3 TONS/ACRE FOR MIX 2 AND 1/2 TONS/ACRE FOR MIX 3. THE HIGHER MULCHING RATE IS RECOMMENDED WHERE SEED INCORPORATION IS DIFFICULT. THIS IS ESPECIALLY CRITICAL FOR MIX 2.

(4) SEEDING METHODS

ALTERNATIVE 1 - LARGE AREAS AND/OR STEEP SLOPES.
APPLY LIME, SEED, AND FERTILIZER WITH A HYDROSEEDER AND, DEPENDING ON THE CONSISTENCY OF THE SOIL MATERIAL, STEEPNESS OF SLOPE, AND SEED MIXTURE USED.
(A) PRESS THE SEED INTO THE SOIL, BY TRACKING WITH A BULLDOZER OR
(B) COVER THE SEED BY WALKING BACK AND FORTH OVER STEEP LOOSE SANDY SLOPES OR
(C) APPLY MULCH AND A TRACKER TO HOLD THE MULCH IN PLACE.
ALTERNATIVE 2 - FLAT TO GENTLY SLOPING AREAS (2:1 SLOPES MAXIMUM)
APPLY LIME, SEED, AND FERTILIZER USING FARM TYPE SPREADERS, AND TRACK THE SITE WITH A BULLDOZER OR APPLY MULCH.

(5) SEEDING DATES

PRIMARY SEEDING DATES BEGIN AS SOON AS THE SNOW MELTS IN THE SPRING AND ENDS MAY 15. THE IMPORTANCE OF EARLY SEEDING CANNOT BE OVEREMPHASIZED. THIS IS ESPECIALLY TRUE FOR MIX 1. DEPENDING ON WEATHER CONDITIONS, SUBSTANTIAL FAILURE CAN BE EXPECTED IF SEEDING IS DONE LATER.

LATE SUMMER AND EARLY FALL SEEDINGS ARE NOT RECOMMENDED FOR MIXES 1 AND 2. IF LATE SEASON SEEDINGS OF MIXES 1 AND 2 ARE NECESSARY, THEY SHOULD BE DONE LATER (OCTOBER 20) TO PREVENT FALL GERMINATION AND SUBSEQUENT WINTERKILL.
MIX 3 CAN ALSO BE SEEDED FROM AUGUST 15 TO SEPTEMBER 1 WITH CONVENTIONAL SEEDING.

(6) RESPONSE OF SEEDING

THE PLANT SPECIES IN MIXES 1 AND 2 GERMINATE AND GROW SLOWLY. COMPLETE COVER MAY NOT OCCUR FOR 2-4 YEARS. HOWEVER, A WELL-ESTABLISHED STAND WILL ENDURE FOR YEARS.

FOLLOW-UP SEEDING MAY BE NEEDED TO ESTABLISH VEGETATION ON THE MORE DIFFICULT PARTS OF SOME SITES. THE NEED TO DO FOLLOW-UP SEEDING CAN BE DETERMINED THE YEAR AFTER THE INITIAL PLANTING.

MAINTENANCE

SUBSTANTIAL STAND VIGOR CAN BE ACHIEVED IF THE SITE IS TOPDRESSED WITH FERTILIZER ONE YEAR AFTER PLANTING. IF TOPDRESSING MIX 1, FERTILIZE BETWEEN JUNE 15 AND JULY 15. THE TIMING OF THIS TOPDRESSING IS IMPORTANT. MIXES 2 AND 3 SHOULD BE TOPDRESSED IN THE EARLY SPRING. TOPDRESS MIXES 1 AND 3 SHOULD BE TOPDRESSED IN THE EARLY SPRING. TOPDRESS MIXES 1 AND 3 WITH A BALANCED FERTILIZER, APPLYING 80 LBS OF NITROGEN/ACRE. FOR EXAMPLE, APPLY 280 LBS OF 20-20-20/ACRE. TOPDRESS MIX 2 WITH 500 LBS OF 0-20-20/ACRE IN APRIL, MAY, OR JUNE.

IF MOWING IS DESIRED TO SUPPRESS WOODY GROWTH, MOW MIX 1 ABOUT MID-JULY LEAVING A STURBLE HEIGHT OF 6-8 INCHES. IT IS NOT NECESSARY TO MOW MIX 2. A GOOD COVER OF FLATPEA WILL PREVENT INVASION OF WOODY SPECIES. MIX 3 CAN BE MOWED AT ANY TIME.

TEMPORARY & PERMANENT MULCHING

CONSERVATIONS

- 1. EFFECT OF STREAMS, WETLANDS AND IN-LAKE WATERBODIES. TEMPORARY MULCH SHOULD BE APPLIED WITHIN 7 DAYS OF EXPOSURE SOIL OR PRIOR TO ANY STORM EVENT.
2. AREAS THAT HAVE BEEN TEMPORARILY OR PERMANENTLY SEED SHOULD BE MULCHED IMMEDIATELY FOLLOWING SEEDING.
3. AREAS THAT CANNOT BE SEEDED WITHIN THE GROWING SEASON SHOULD BE MULCHED FOR OVER-WINTER PROTECTION. THE MULCH SHOULD BE SEED AT THE BEGINNING OF THE NEXT GROWING SEASON.
4. MULCH ANCHORING SHOULD BE USED ON SLOPES WITH GRADIENTS GREATER THAN 5% IN LATE FALL (LAST SEPTEMBER 15), AND OVER-WINTER (SEPTEMBER 15 - MAY 15).
5. PERMANENT MULCH CAN BE USED IN CONJUNCTION WITH TREE, SHRUB, VINE, AND GROUND COVER PLANTINGS.

MAINTENANCE REQUIREMENTS

PERMANENT MULCHES MUST BE INSPECTED PERIODICALLY AND IN PARTICULAR AFTER STORMS, TO CHECK FOR RILL EROSION OR DISTURBANCE OF THE MULCH. IF LESS THAN 80% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCHING OR REPAIRS SHOULD BE MADE IMMEDIATELY. MULCHING SHOULD BE DONE AT THE END OF THE GROWING SEASON. REPAIR AND OVER-WINTER MULCHING SHOULD BE DONE AT THE END OF THE GROWING SEASON. REPAIR AND OVER-WINTER MULCHING SHOULD BE DONE AT THE END OF THE GROWING SEASON. REPAIR AND OVER-WINTER MULCHING SHOULD BE DONE AT THE END OF THE GROWING SEASON.

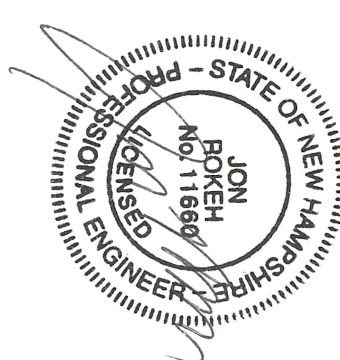
GENERAL

- 1. APPLY MULCH PRIOR TO A STORM EVENT THIS IS APPLICABLE IN EXTREMELY SENSITIVE AREAS SUCH AS WITHIN 100 FEET OF STREAMS, WETLANDS, AND IN-LAKE WATERBODIES.
2. MULCHING SHOULD BE COMPLETED WITHIN THE FOLLOWING SCHEDULED TIME PERIODS FROM ORIGINAL SOIL EXPOSURE:
- WITHIN 100 FEET OF RIVERS AND STREAMS, WETLANDS, AND IN-LAKE AND POND WATERBODIES, THE TIME PERIOD SHOULD BE NO GREATER THAN 7 DAYS. THIS 7-DAY LIMIT SHOULD BE REDUCED FURTHER DURING WET WEATHER
- IN OTHER AREAS, THE TIME PERIOD CAN RANGE FROM 14 TO 30 DAYS. THE LENGTH OF TIME VARYING WITH SITE CONDITIONS (SOIL FERTILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES) AND THE POTENTIAL RISK OF EROSION OR ADOLENT RAKES. OTHER STATE OR LOCAL RESTRICTIONS MAY ALSO APPLY.
13. THE CHOICE OF MATERIALS FOR MULCHING SHOULD BE BASED ON SITE CONDITIONS, SOILS, FLOW CONDITIONS, AND TIME OF YEAR.
14. ORGANIC MULCHES INCLUDING HAY AND STRAW SHOULD BE AIR-DRIED, FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS.
15. APPLICATION RATE SHOULD BE 2 BAYS (70-90 POUNDS) PER 1,000 SQUARE FEET OR 1.5 TO 2 TONS (90-100 BALS) PER ACRE TO COVER 75 TO 90 % OF THE GROUND SURFACE.
16. HAY OR STRAW MULCH SHOULD BE ANCHORED TO PREVENT DISPLACEMENT BY WIND OR FLOWING WATER. USING ONE OF THE FOLLOWING METHODS: WOOD FIRES, OR BIODEGRADABLE PLASTIC ANCHORING OVER HAY OR STRAW TO ANCHOR IT TO THE SOIL SURFACE. INSTALL NETTING MATERIAL ACCORDING TO MANUFACTURER'S RECOMMENDATION. NETTING SHOULD BE USED. JOINTS SHOULD BE WELDED TOGETHER IN THE MATERIALS.
- BE USED JOINTLESSLY, AS WELDED JOINTS CAN BECOME ENTANGLED IN THE MATERIALS.
- MANUFACTURER. TYPICALLY 40-60 LBS/ACRE FOR POLYMER MATERIAL, AND 80-120 LBS/ACRE FOR ORGANIC MATERIAL. LIQUID MULCH BINDERS ARE ALSO TYPICALLY APPLIED HEAVIER AT EDGES, IN VALLEYS, AND AT CRESTS THAN OTHER AREAS.

GENERAL

- 17. WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON), IT SHOULD BE APPLIED TO A DEPTH OF FOUR INCHES (150-200 POUNDS OF HAY OR STRAW PER 1,000 SQUARE FEET, OR DOUBLE STANDARD MULCHING RATE). IF VEGETATION IS DESIRED, THE MULCH WILL NEED TO BE REMOVED IN THE SPRING AND THE AREAS SEED AND MULCHED.
WOOD CHIPS OR BARK:
18. WOOD CHIPS OR GROUND BARK SHOULD BE APPLIED AT A THICKNESS OF 2 TO 6 INCHES.
19. WOOD CHIPS OR GROUND BARK SHOULD BE APPLIED AT A RATE OF 10 TO 20 TONS PER ACRE OR 460 TO 920 POUNDS PER 1,000 SQUARE FEET.
EROSION CONTROL MIX:
20. EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE SHREDED BARK, STUMP REMAINS OR COMPOSTED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

- 21. COMPOSITION OF THE EROSION CONTROL MIX SHOULD BE AS FOLLOWS:
- THAT 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL THAT TO PLANT GROWTH. THE MIX COMPOSITION SHOULD MEET THE FOLLOWING STANDARDS:
- TO 100% PASSING A 0.75-INCH SCREEN, AND A MAXIMUM OF 3" SCREEN, 70%
- PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING A 3" SCREEN, 90% TO 100% PASSING A 1-1/8" SCREEN.
- THE MIX SHOULD NOT CONTAIN SILTS, CLAYS OR FINE SANDS.
- SOLUBLE SALTS CONTENT SHOULD BE < 4.0 MMS/OSL.
- THE PH SHOULD BE BETWEEN 5.0 AND 8.0.
22. THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR. IT MAY BE NECESSARY TO CUT TALL GRASSES OR WOODY VEGETATION TO ADD OPENING VOIDS AND BARRIERS THAT WOULD ENABLE FINES TO WASH UNDER THE BARRIER THROUGH THE GRASS BARRIERS OR PLANT STANDS.
23. THE BARRIER MUST BE A MINIMUM OF 12" HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, AND A MINIMUM OF TWO FEET WIDE.



Owner / Applicant:
ISAAC FRYE HOLDINGS, LLC
586 Turnpike Road
New Ipswich, NH 03071

EROSION CONTROL / RECLAMATION DETAILS
EXCAVATION PROJECT
TAX LOT F-3-2
Isaac Frye Highway
Wilton, New Hampshire

Table with 4 columns: DATE, DESCRIPTION, DMN BY, CK BY. Rows include 2-28-23, 02/25/23, 2-5-24, and 4-8-24.

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SCALE AS NOTED
DATE: DECEMBER 2, 2022
DR. BY: JCR CK. BY: JR
JOB NO.
SHEET NO. 7 OF 7