EROSION CONTROL NOTES

1. PROPERTY LINES SHOWN ON THESE PLANS ARE BASED UPON SURVEYS PROVIDED BY OUR OFFICE. THE PROJECT VERTICAL DATUM IS USGS. TOPOGRAPHY AND EXISTING CONTOURS OF THE AREA SHOWN ON THE SITE PLANS WERE DEVELOPED BY FIELD SURVEYS BY OUR OFFICE.
2. ADD SILT FENCE OR COMPOST SOCK AS REQUIRED TO MAINTAIN COMPLIANCE AS THE SITE IS DEVELOPED. SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLANS TO RETAIN SEDIMENT. THE SILT FENCE CAN BE REMOVED WHEN THE EXCAVATION IS COMPLETE, THE SLOPES MULCHED AND GOOD GRASS COVER STARTED.
3. ALL EROSION AND SEDIMENT CONTROL FEATURES SHOWN ON THIS SHEET SHALL BE INSTALLED ACCORDING TO PLANS/DETAILS PRIOR TO ANY EARTH DISTURBANCE. IT IS ANTICIPATED THAT ADDITIONAL EROSION CONTROL MEASURES WILL BE REQUIRED IN THE FIELD. THE ENGINEER SHALL AUTHORIZE ADDITIONAL NETTING, MULCH, STONE, CULVERTS, ETC., AS THE BECOME NECESSARY.
4. USE EROSION CONTROL BLANKET, ON ALL STEEP SLOPES (GREATER THAN 1 VERTICAL ON 3 HORIZONTAL) SHOWN ON THE PLAN. BLANKETS OR NETTING SHALL BE STAPLED INTO THE GROUND. ONLY WOVEN OR INTERLINKED PRODUCTS ARE APPROVED FOR USE IN RECP. APPLICATIONS.
5. THE "VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL" SHALL BE FOLLOWED DURING ALL SITE CONSTRUCTION.
6. ALL SEDIMENT REMOVED FROM SEDIMENT CONTROL PRACTICES AS A PART OF MAINTENANCE SHALL BE DISPOSED OF IN AN AREA THAT IS:
   a. LESS THAN 5% IN SLOPE.
   b. AT LEAST 100 FT FROM ANY DOWNSLOPE WATER BODY OR CONVEYANCE TO A WATER BODY (INCLUDING STORM DRAIN INLET OR DITCH).
   c. PERMANENT STABILIZATION OF SEDIMENT SHALL BE IMMEDIATELY IMPLEMENTED FOLLOWING DISPOSAL.
7. ALL SEED SHALL BE APPLIED PRIOR TO SEPTEMBER 15TH, TO FACILITATE GERMINATION.

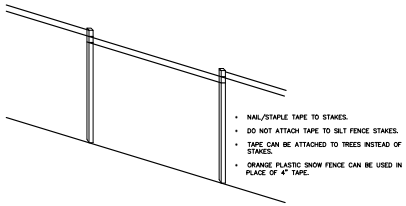
TEMPORARY & PERMANENT PLANTINGS, SOIL AMENDMENTS

ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN THE FOLLOWING PROPORTIONS:
- A. SEED @ 20 LB/ACRE (CONSERVATION MIX)
- B. FERTILIZER (300 LB/ACRE OF 10-20-20)
- C. LIME @ 2 TONS/ACRE.
- D. MULCH @ 2 TONS/ACRE
- E. TOPSOIL (4" MINIMUM USING ON SITE STOCKPILES SAVED DURING CONSTRUCTION)
- F. EROSION NETTING (AS NEEDED.)

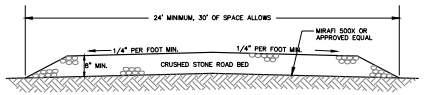
WINTER CONSTRUCTION STABILIZATION NOTES:

(FOR ALL WORK BETWEEN OCTOBER 15 AND MAY 1)

1. ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:
   I) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS.
   II) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. TOWER OR BUILDING FOUNDATION EXCAVATION, UTILITY TRENCHES).
2. MULCH AT DOUBLE THE NORMAL RATE I.E. 6" DEEP OR 2-4 BALES/1000 SF.
3. MULCH BEFORE SNOW FALL.
4. ALL REQUIRED SILT FENCE IS TO BE INSTALLED BEFORE FROZEN CONDITIONS

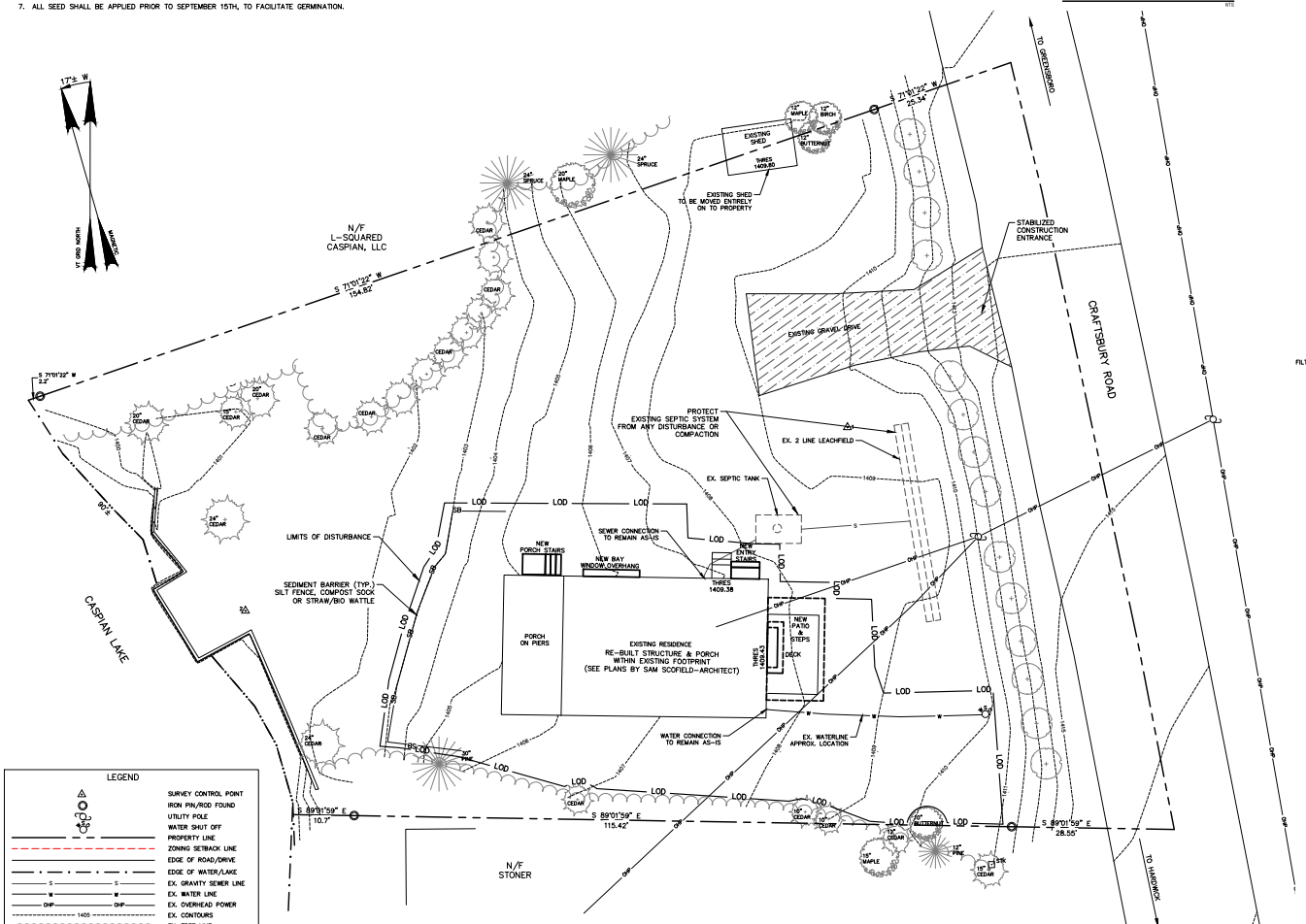


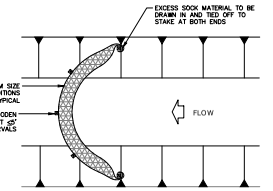
LIMITS OF DISTURBANCE
4" ORANGE BARRIER TAPE DETAIL
NTS



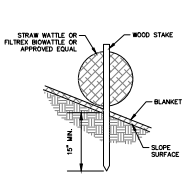
NOTES:
1. STABILIZED ENTRANCE TO BE CONSTRUCTED AS SHOWN ON THIS PLAN.
2. CRUSHED STONE SIZE TO BE 1.5 TO 4 INCHES.
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO MAIN ROAD. PERIODIC TOP DRESSING WITH ADDITIONAL STONE MAY BE REQUIRED TO ACCEPTABLY MAINTAIN THE ENTRANCE ROAD. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO THE TOWN ROAD MUST BE REMOVED IMMEDIATELY.
4. WHEN NECESSARY, THE WHEELS OF VEHICLES EXITING THE SITE SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, WATERCOURSE, OR WETLAND. THE STABILIZED CONSTRUCTION ENTRANCE SHALL START AT AND PROCEED FOR A LENGTH OF 40' INCLUDING ALL TURNING RADII.

TYPICAL STABILIZED CONSTRUCTION ENTRANCE/EXIT
N/S

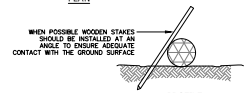




PLAN



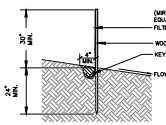
STRAW / BIO WATTLE DETAIL
NTS



PROFILE

NOTES:
1. ALL MATERIAL TO MEET FILTREXX® (OR EQUIVALENT MANUFACTURER) SPECIFICATIONS.
2. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
3. SEDIMENT SHOULD BE REMOVED FROM BEHIND THE CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED ONE-HALF THE HEIGHT OF THE CHECK DAM, STABILIZE AS SOON AS POSSIBLE.
4. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.

COMPOST SOCK DETAIL
NTS



CONSTRUCTION SPECIFICATIONS FOR SILT FENCE

1) SILT FENCE SHALL BE EITHER PRE-FABRICATED EROSION CONTROL FENCE (MIRAFI ENVIROFENCE, OR EQUAL), OR CONSTRUCTED-IN-PLACE, AS SPECIFIED HEREIN.

2) MAXIMUM DRAINAGE AREA IS 1/4 ACRE FOR 100 FEET OF SILT FENCE.

PRE-FABRICATED SILT FENCE

1) FENCE SHALL BE INSTALLED PARALLEL TO GROUND CONTOURS, AND FILTER FABRIC SHALL FACE UPSLOPE; MESH AND STAKES SHALL FACE DOWNSLOPE.

2) TRENCH SHALL BE EXCAVATED MINIMUM 6 INCHES DEEP ON UPSLOPE SIDE OF FENCE LINE. EXCESS FLAP OF FILTER FABRIC (MINIMUM 8 INCHES) SHALL BE PLACED IN TRENCH. TRENCH SHALL BE BACKFILLED AND COMPACTED. CONSTRUCTION IN THIS MANNER PREVENTS SEDIMENT-LADEN RUNOFF FROM FLOWING UNDER SILT FENCE.

3) SILT FENCE SHALL BE INSPECTED WEEKLY, AND AFTER EACH SIGNIFICANT PRECIPITATION EVENT. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT SHALL BE REMOVED WHEN IT IS HALFWAY UP THE FENCE.

4) BROKEN STAKES SHALL BE REPLACED PROMPTLY.

CONSTRUCTED-IN-PLACE SILT FENCE

1) FENCE POST SHALL BE DRIVEN, TO FEET MAXIMUM ON CENTER; POSTS SHALL BE DRIVEN MINIMUM 24" BELOW GRADE. FENCE SHALL BE POSITIONED AS SHOWN, PARALLEL TO THE GROUND CONTOURS.

2) TRENCH SHALL BE EXCAVATED MINIMUM 8 INCHES DEEP AND 4 INCHES WIDE ON UPSLOPE SIDE OF FENCE LINE.

3) WOVEN WIRE FABRIC (14 GA., 6 INCH MAX. MESH OPENING) SHALL BE STAPLED OR FASTENED SECURELY WITH HEAVY DUTY STAPLES ON SLOPE SIDE OF FENCE POSTS. WHEN TWO SECTIONS SHALL EXTEND MINIMUM 36 INCHES ABOVE GRADE.

4) FILTER FABRIC SHALL BE FASTENED SECURELY ON UPSLOPE SIDE OF WOVEN WIRE FABRIC WITH WIRE TIES, SPACED EVERY 24 INCHES, AT TOP AND MID-SECTION OF FENCE. MINIMUM 8 INCH FLAP OF FILTER FABRIC SHALL BE PLACED IN TRENCH ON UPSLOPE SIDE OF FENCE, AND BACKFILLED.

5) WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.

6) SILT FENCE SHALL BE INSPECTED WEEKLY, AND AFTER EACH SIGNIFICANT PRECIPITATION EVENT. MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND SEDIMENT REMOVED WHEN IT IS HALFWAY UP THE FENCE.

SILT FENCE DETAIL
NTS

LEGEND

	SURVEY CONTROL POINT
453	IRON PIN/ROD FOUND
	UTILITY POLE
	WATER SHUT OFF
	PROPERTY LINE
	ZONING SETBACK LINE
	EDGE OF ROAD/DRIVE
	EDGE OF WATER/LAKE
S	EX. GRAVITY SEWER LINE
W	EX. WATER LINE
OHP	EX. OVERHEAD POWER
1405	EX. CONTOURS
	EX. TREE LINE

NOTE:
PROPERTY LINES BASED ON A SURVEY BY THIS OFFICE DATED MARCH 2021.

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

EPSC LEGEND

LOD	LIMITS OF DISTURBANCE
SB	SEDIMENT BARRIER (SILT FENCE, COMPOST SOCK OR STRAW/BIO WATTLE
	STABILIZED CONSTRUCTION ENTRANCE/EXIT

NOTE: ORIGINAL PLAN 24 " x 36 ". OTHER SIZES NOT TO SCALE

No.	Date	Revision	By

STATE OF VERMONT
JOHN D GRENIER NO. 9018
PROFESSIONAL ENGINEER

EPSC PLAN & DETAILS

JEFFREY & LUCINDA McKECHNIE
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GRENIER ENGINEERING, PC
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P.O. Box 445
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TEL (802) 244-6413
FAX (802) 244-1572
grenierengineering.com

Date:	3 . 26 . 21
Scale:	1" = 10'
Designed:	KED
Drawn:	TJM
Checked:	JDG
Sheet No:	EC-1

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