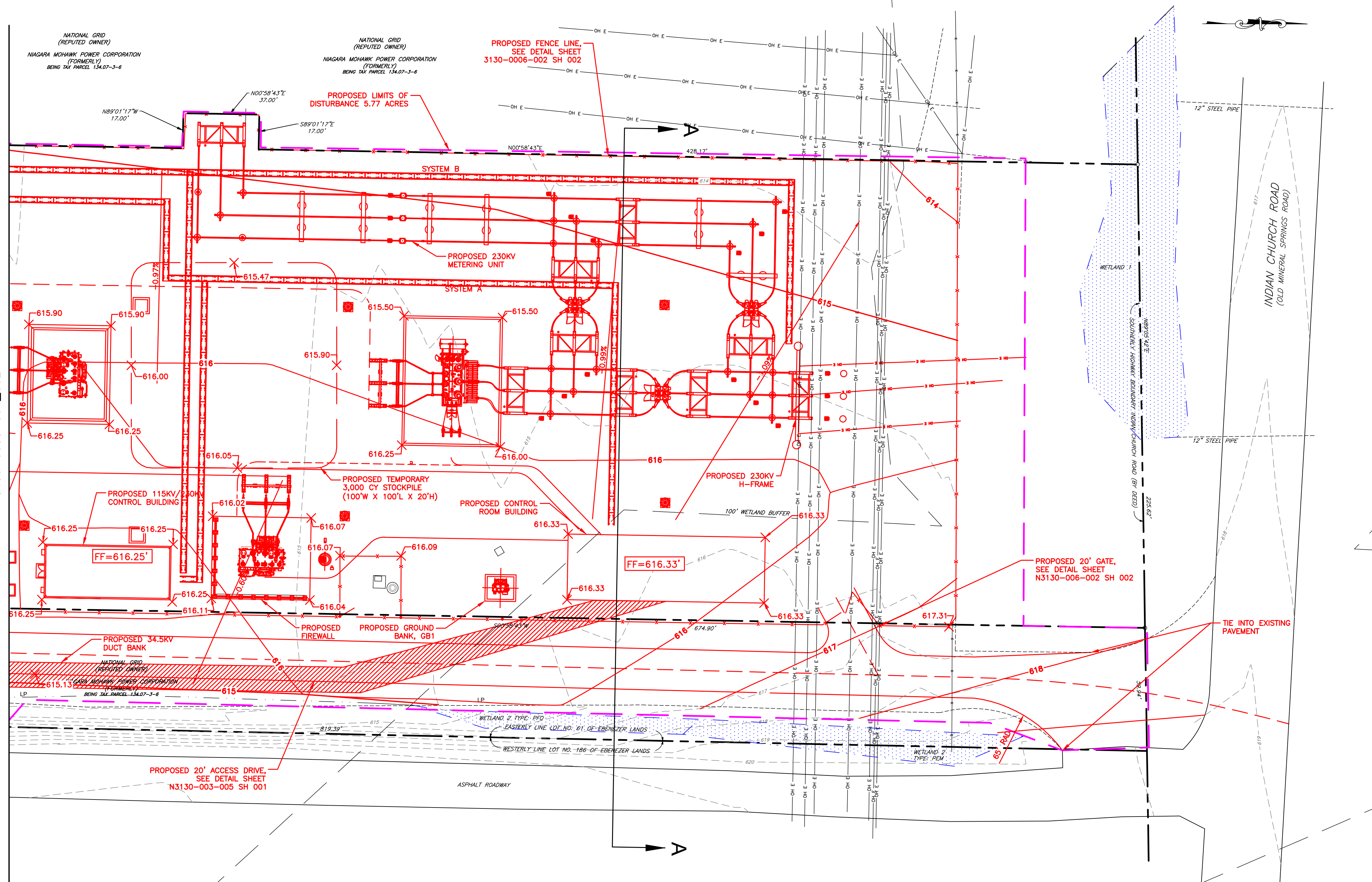
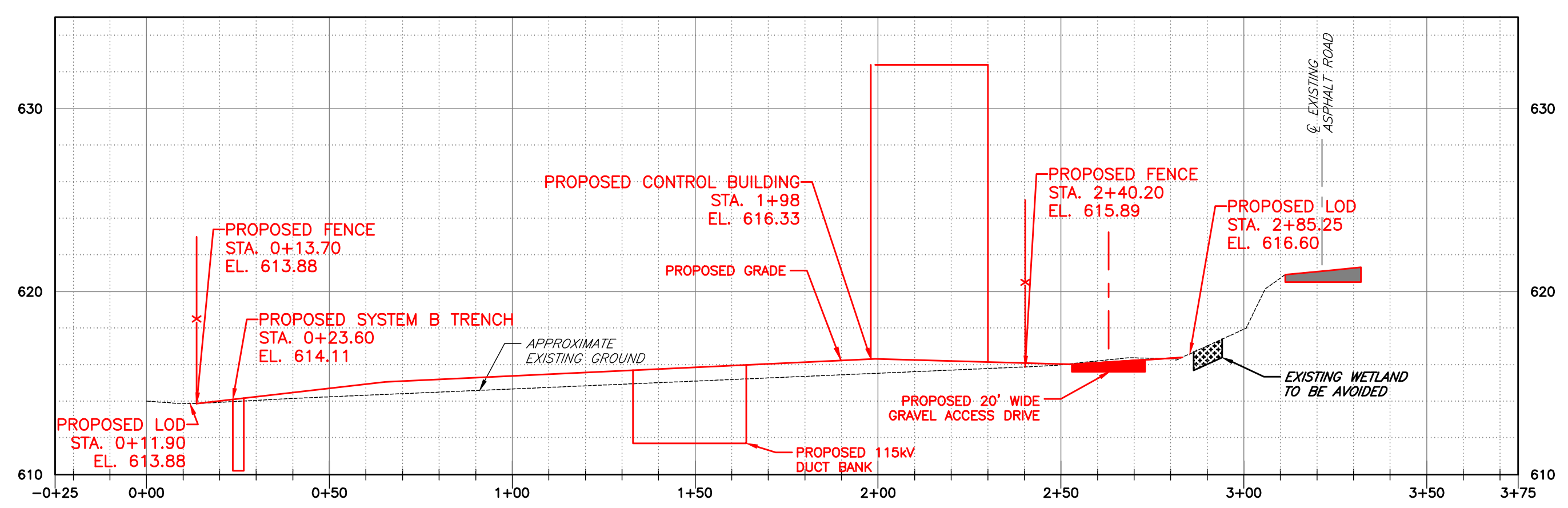


MATCH LINE - SEE SHEET
3130-0003-004_002



SITE & GRADING PLAN VIEW
SCALE: 1"=30'

- GRADING NOTE:**
- CONTRACTOR TO UTILIZE GRASSED AREA NORTH OF THE PROPOSED FENCE TO TIE THE PROPOSED GRADING INTO EXISTING CONTOURS SINCE SURVEY TOPO IS MISSING IN THIS AREA.
- APPLICANT:**
NEW YORK STATE ELECTRIC & GAS CORPORATION (NYSEG)
18 LINK DRIVE, BINGHAMTON, NY 13904
- ENGINEER:**
FISHER ASSOCIATES
55 CHICAGO STREET
SUITE 200
BUFFALO, NY 13904
- PROPERTY ADDRESS:**
INDIAN CHURCH ROAD, WEST SENeca, NY
- PARCELS (SBL):**
134.07-3-6 (11.7 AC)
134.07-3-7 (3.64 AC)
- ZONING DISTRICTS:**
M-1 & M-2
- PUBLIC UTILITIES:**
NO PROPOSED PUBLIC WATER OR SEWER SERVICES



SECTION A-A
SCALE HORIZ: 1"=30'
VERT: 1"=6'



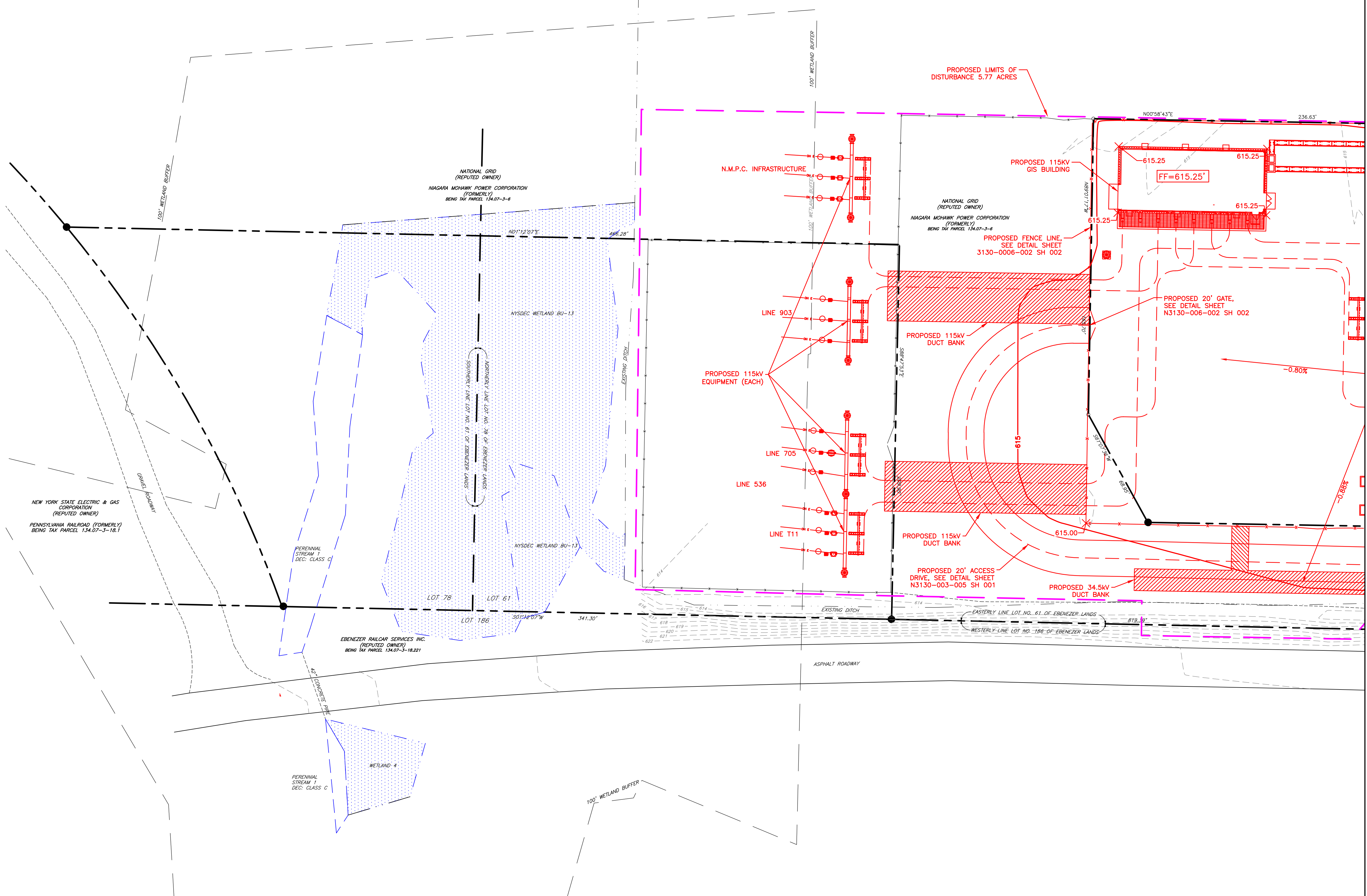
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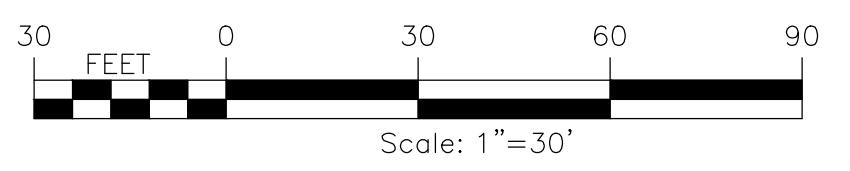
ANSI D 217/2022

REALTIME Utility Engineers
2800 Lake Shore Drive
Fitchburg, WI 53719

PE STAMP		AVANGRID ENGINEERING CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION Property of AVANGRID				SITE & GRADING PLANS SHEET 01 OF 02	
NEW GARDENVILLE BY: JEC/FSA CK: SSS/FSA APP: SSS/FSA DATE: 02/08/2022		SCALE: 1"=30' FILE: 3130-0003-004_SH001.DWG		LANCASTER NO: 3130-0003-004_SH001 REV: 0-0A		3130-0003-004 SH 001	



MATCH LINE - SEE SHEET 3130-0003-004_001



SITE & GRADING PLAN VIEW
SCALE - HORIZ: 1"=30'

INSTALL

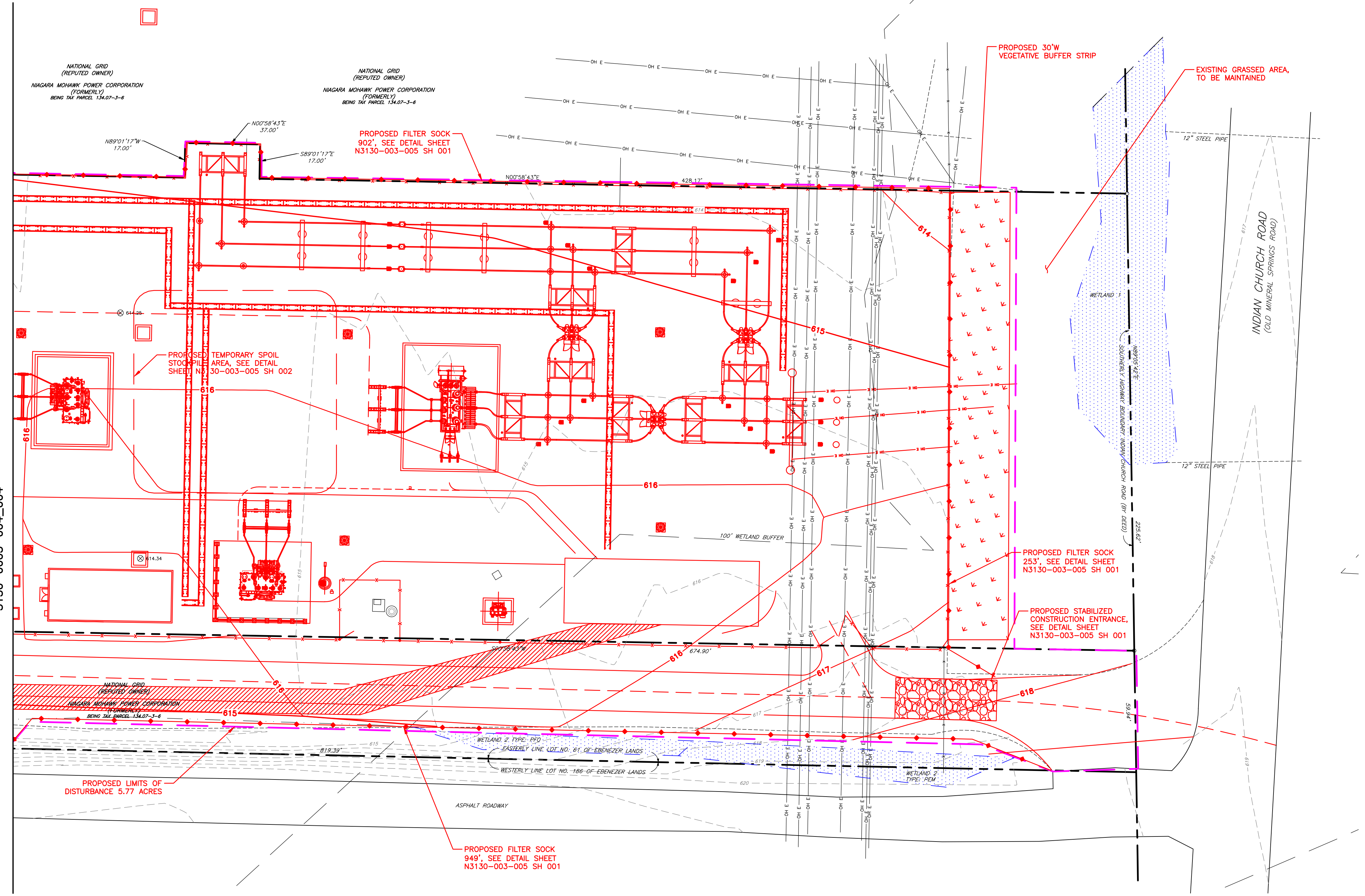
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001	02/08/2022	ISSUED FOR REVIEW	JECFSA	SSSFSFA	
002					
003					

LOGO
REALTIME
 Utility Engineers
 Realtime Utility Engineers, Inc.
 2803 Lake Park Drive
 Fraburg, WI 53119

ANSI D 28/2022

PE STAMP		AVANGRID ENGINEERING CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION Property of AVANGRID				SITE & GRADING PLANS SHEET 02 OF 02 NEW GARDENVILLE LANCASTER	
BY	JECFSA	SCALE	1"=30'	FILE	3130-0003-004_SH002.DWG	REV	
CK	SSSFSFA	NO.					
APP	SSSFSFA						
REV		DATE	02/08/2022		3130-0003-004 SH 002	0-0A	

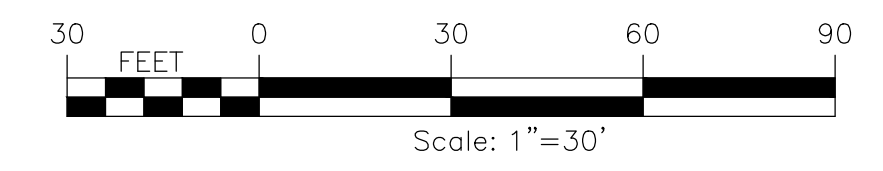
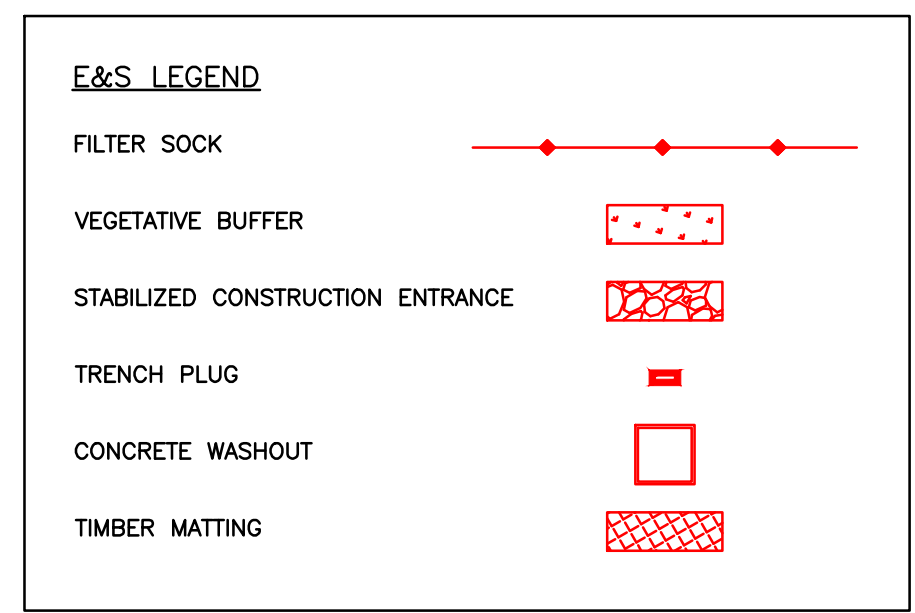
MATCH LINE - SEE SHEET
3130-003-004_004



EROSION & SEDIMENT CONTROL PLAN VIEW
SCALE: 1"=30'

OPERATION & MAINTENANCE NOTES:

- VEGETATIVE BUFFER STRIP SHALL BE INSPECTED MONTHLY TO ENSURE SUFFICIENT (80%) VEGETATIVE GROWTH. LACK OF VEGETATIVE COVERAGE MAY REQUIRE ADDITIONAL LIMING, FERTILIZATION AND/OR SEEDING AND MULCHING. DURING THE GROWING SEASON THE BUFFER SHALL BE MOWED AND MAINTAINED. ANY RILLS OR EROSION SHALL BE CORRECTED IMMEDIATELY THROUGH RESEEDING, AND IF NECESSARY, ADDITIONAL E&S MEASURES INCLUDING: FILTER FABRIC, TURF REINFORCEMENT MATTING OR STONE RILL MAINTENANCE BARRIERS MAY BE REQUIRED.
- THE 20' PERMANENT ACCESS DRIVE SHALL BE INSPECTED ANNUALLY FOR STONE LOSS, RUTTING, DRAINAGE ISSUES AND PONDING WATER. SIGNIFICANT GRAVEL LOSS AND/OR PONDING WATER SHOULD BE ADDRESS IMMEDIATELY THROUGH RE-GRADING, RE-COMPACTION, AND RESTABILIZATION. INSPECTIONS SHOULD ALSO ENSURE NO STONE OR SOIL MATERIALS ARE BEING TRANSPORTED ONTO THE PUBLIC RIGHT-OF-WAY.
- TIMBER MAT BRIDGES SHALL BE INSTALLED IF NECESSARY TO HELP MINIMIZE EXISTING WETLAND IMPACTS. BRIDGES SHALL BE INSPECTED FOR STRUCTURAL INTEGRITY AND REMOVED ONCE CONSTRUCTION ACTIVITIES ARE COMPLETED AND ACCESS IS NO LONGER NEEDED THROUGH THE IMPACTED WETLANDS.



INSTALL


REV	DESCRIPTION	DATE	BY	CK	APP
0-0A	ISSUED FOR REVIEW	02/08/2022	JECPSA	SSSFSFA	SSSFSFA

LOGO
REALTIME
Utility Engineers
2808 Lake Shore Drive
Franklin, WI 53129
ANSI D 28/2022

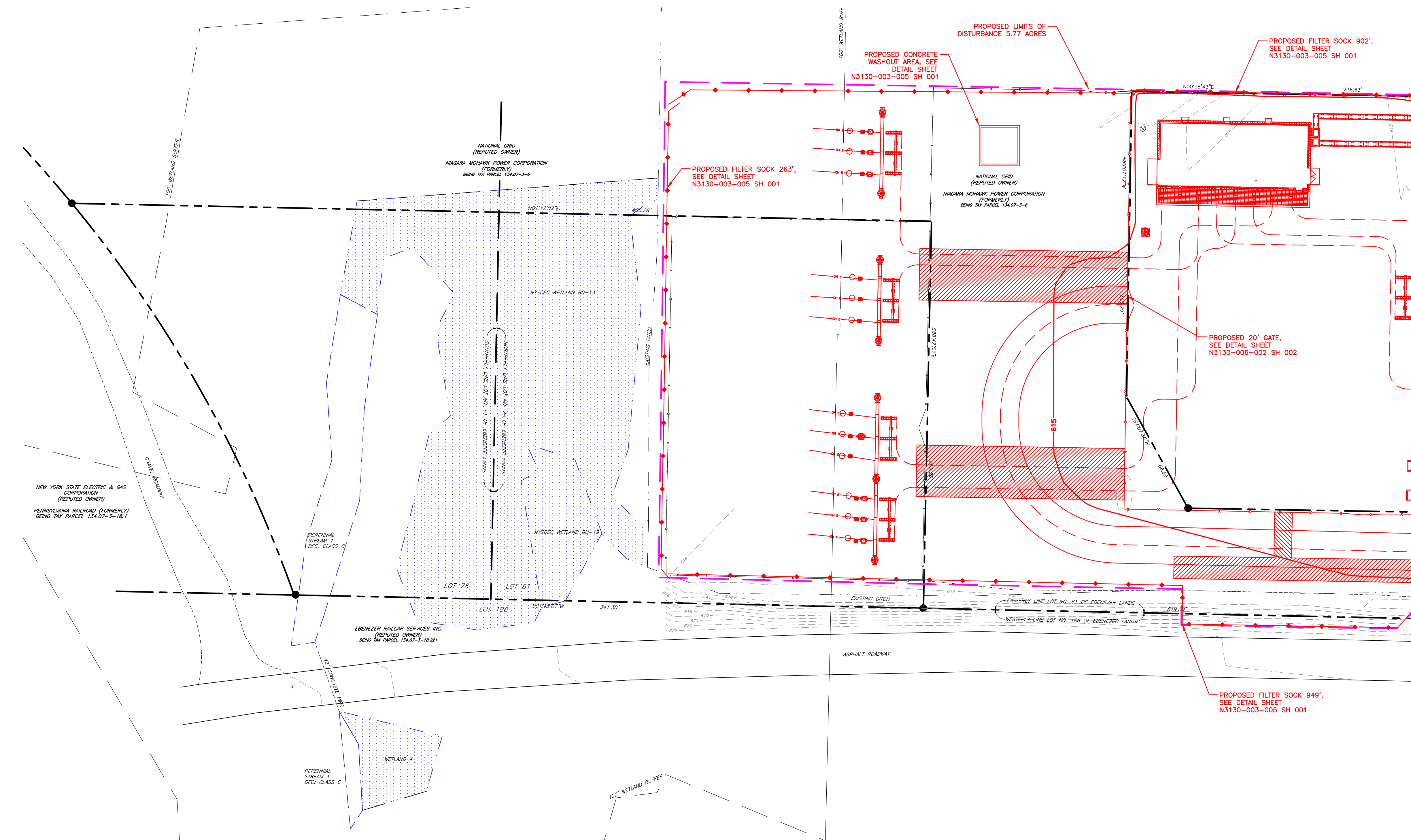
PE STAMP		AVANGRID ENGINEERING CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION Property of AVANGRID		NYSEG AVANGRID		EROSION & SEDIMENT CONTROL PLAN	
						SHEET 01 OF 04	
		NEW GARDENVILLE		LANCASTER			
BY	JECPSA	SCALE	1"=30'	FILE	3130-003-005_SH001.DWG	REV	
CK	SSSFSFA	NO.					
APP	SSSFSFA						
DATE	02/08/2022						
REV	DESCRIPTION	DATE	BY	CK	APP	NO.	REV
						3130-003-005 SH 001	0-0A

REV	DESCRIPTION	DATE	BY	CK	APP

ANSI D 28/2022



REALTIME Utility Engineers
2800 Lakeville Drive
Fitchburg, WI 53719

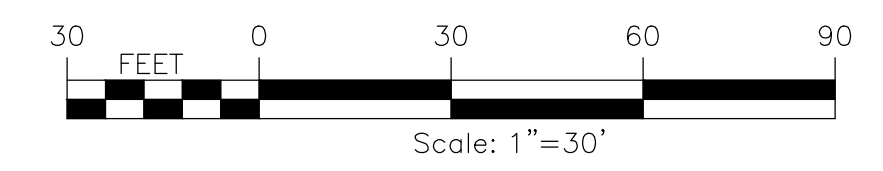


EROSION & SEDIMENT CONTROL PLAN VIEW
SCALE: 1"=30'

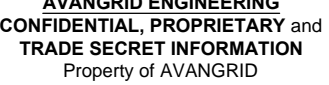

- OPERATION & MAINTENANCE NOTES:**
- VEGETATIVE BUFFER STRIP SHALL BE INSPECTED MONTHLY TO ENSURE SUFFICIENT (80%) VEGETATIVE GROWTH. LACK OF VEGETATIVE COVERAGE MAY REQUIRE ADDITIONAL LIMING, FERTILIZATION AND/OR SEEDING AND MULCHING. DURING THE GROWING SEASON THE BUFFER SHALL BE MOWED AND MAINTAINED. ANY RILLS OR EROSION SHALL BE CORRECTED IMMEDIATELY THROUGH RESEEDING, AND IF NECESSARY, ADDITIONAL E&S MEASURES INCLUDING: FILTER FABRIC, TURF REINFORCEMENT MATTING OR STONE RILL MAINTENANCE BARRIERS MAY BE REQUIRED.
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 - TIMBER MAT BRIDGES SHALL BE INSTALLED IF NECESSARY TO HELP MINIMIZE EXISTING WETLAND IMPACTS. BRIDGES SHALL BE INSPECTED FOR STRUCTURAL INTEGRITY AND REMOVED ONCE CONSTRUCTION ACTIVITIES ARE COMPLETED AND ACCESS IS NO LONGER NEEDED THROUGH THE IMPACTED WETLANDS.

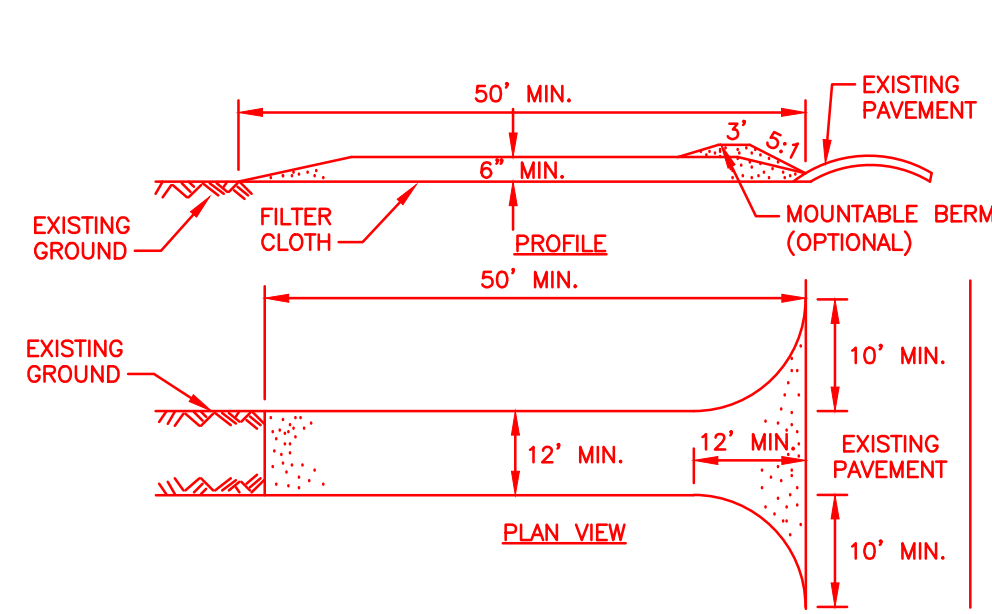
E&S LEGEND

- FILTER SOCK
- VEGETATIVE FILTER STRIP
- STABILIZED CONSTRUCTION ENTRANCE
- TRENCH PLUG
- CONCRETE WASHOUT
- TIMBER MATTING



INSTALL

PE STAMP		 		EROSION & SEDIMENT CONTROL PLAN	
		CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION Property of AVANGRID		SHEET 02 OF 04	
		NEW GARDENVILLE LANCASTER		SCALE: 1"=30' FILE: 3130-0003-005_SH002.DWG	
BY	JECPFA	NO		REV	
CK	SSSFSFA			NO	
APP	SSSFSFA			NO	
DATE	02/08/2022			NO	
REV	DESCRIPTION	DATE	BY	CK	APP

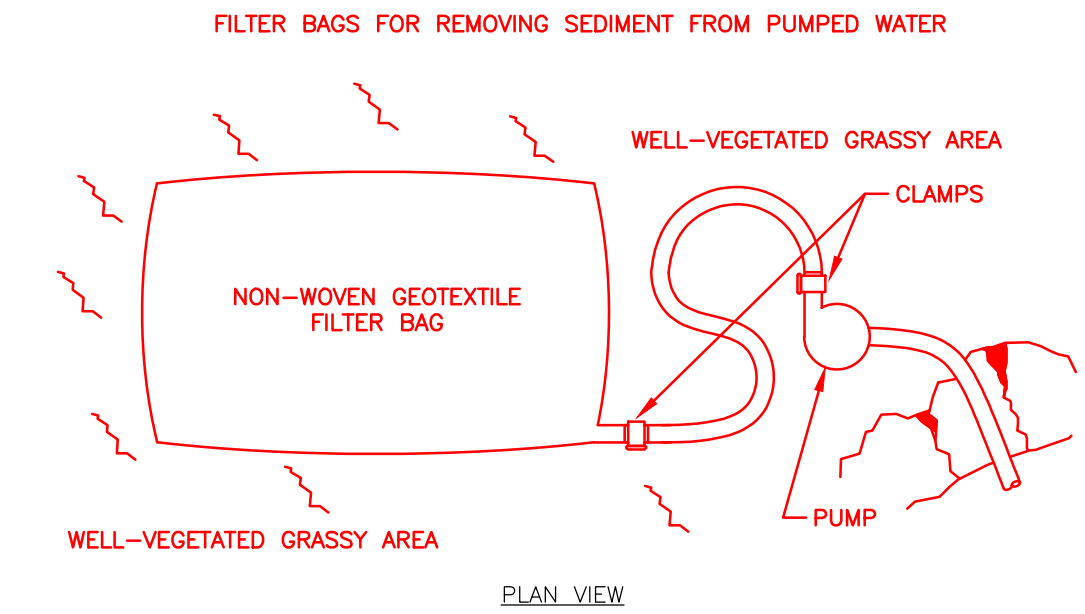


CONSTRUCTION SPECIFICATIONS

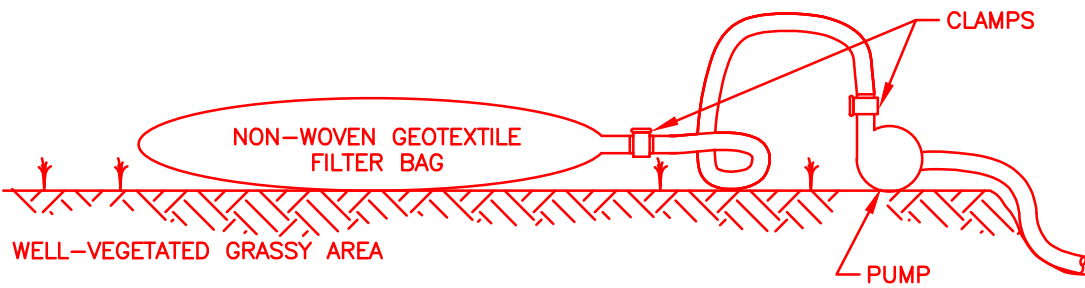
1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. 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.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE, AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



PLAN VIEW

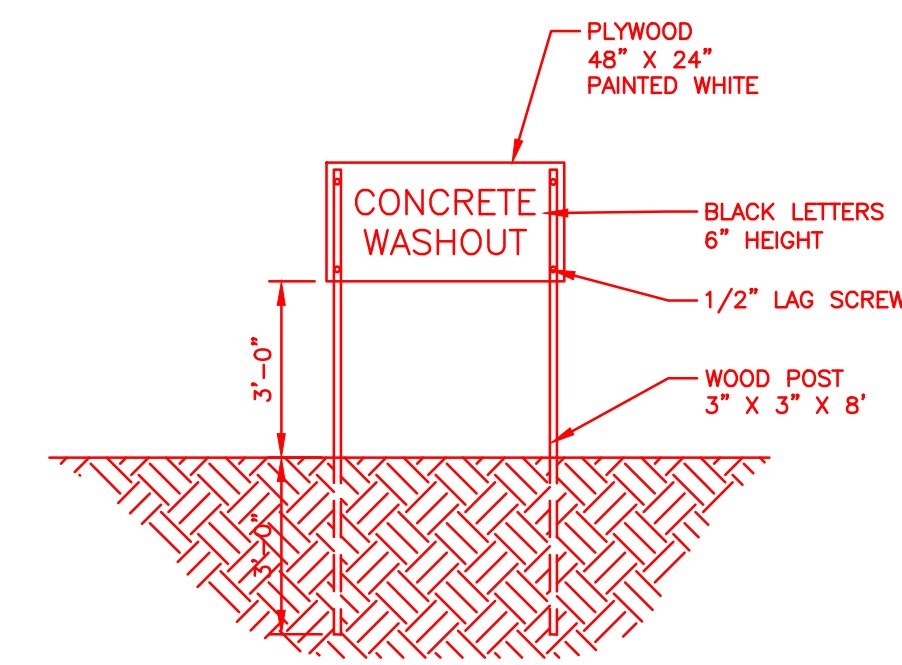


ELEVATION VIEW

1. FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
2. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE 1/2 FILLED WITH SEDIMENT.
3. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.
4. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.
5. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.
6. ALL FILTER BAGS AND TRAPPED SEDIMENT SHALL BE REMOVED TO A SUITABLE WASTE AREA WHEN ACCUMULATED SEDIMENTS REACH 1/2 TOTAL BAG CAPACITY.

DEWATERING FILTER BAG

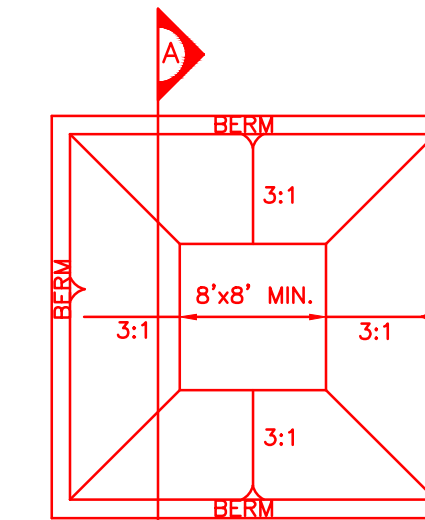
NOT TO SCALE



CONCRETE WASHOUT SIGN DETAIL
(OR EQUIVALENT)

NOTES:

1. SUMPS TO BE LOCATED IN YARD BUT SHOULD BE KEPT AS FAR FROM DRAINAGE CHANNELS AND WETLAND AREAS AS PRACTICAL.
2. SUMPS TO BE CLEANED AND WASTE CONCRETE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF WORK.
3. METAL STAKES AND/OR #4 REBAR MUST BE LONG ENOUGH TO PENETRATE 6" OF GRAVEL AND ANCHOR INTO UNDERLYING ASPHALT.



PLAN VIEW

CONCRETE WASHOUT AREA INSTALLATION NOTES:

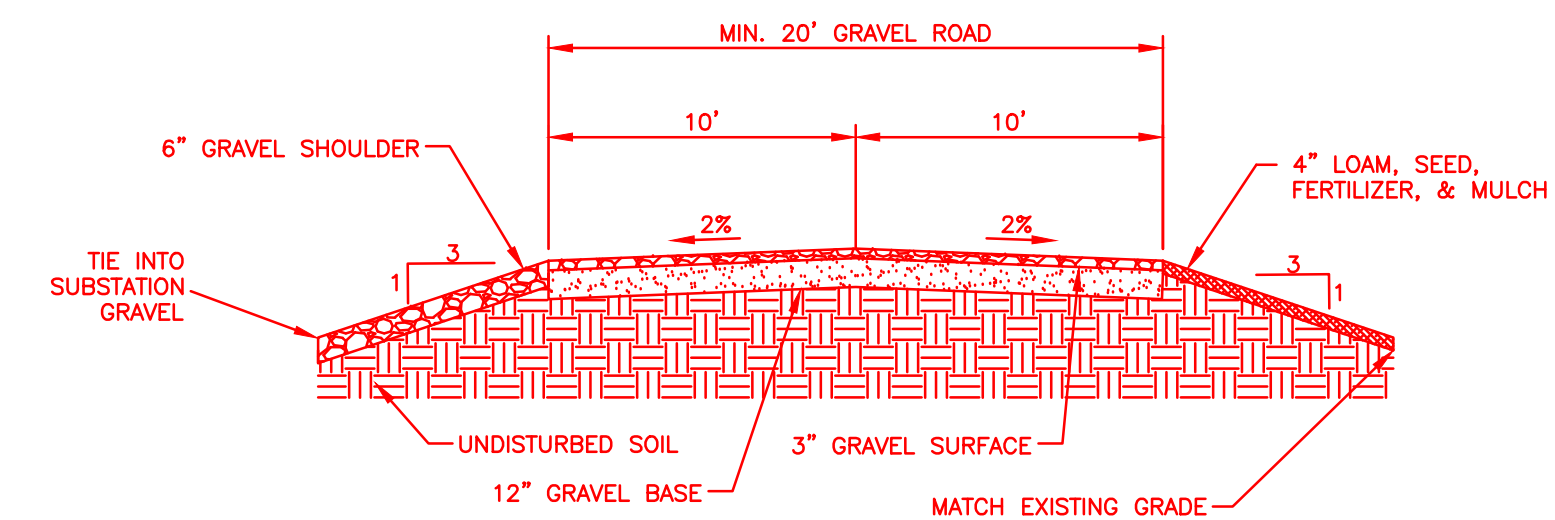
1. CONTRACTOR TO DETERMINE LOCATION OF CONCRETE WASHOUT AREA, BUT MUST BE LOCATED A MINIMUM OF 100' FROM DRAINAGE SWALES, DRAIN INLETS, WETLANDS, STREAM AND OTHER SURFACE WATERS.
2. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON THE SITE.
3. VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT.
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.
6. ALL WASHOUTS WILL BE LINED WITH 10 MILS (MIN.) PLASTIC SHEETING, WITH NO HOLES, TEARS AND ANCHORED BEYOND THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, OR STONE, EXCEPT AT THE ACCESS POINT.

CONCRETE WASHOUT AREA MAINTENANCE NOTES:

1. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT WHEN 75% OF THE STORAGE CAPACITY IS FILLED. EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
2. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED AT AN APPROVED WASTE SITE.
3. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZE IN ACCORDANCE WITH THE SWPPP PREPARED FOR THE PROJECT.
4. INSPECT DAILY OR OTHERWISE INDICATED IN THE SWPPP. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
5. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

CONCRETE WASHOUT (BERM TYPE)

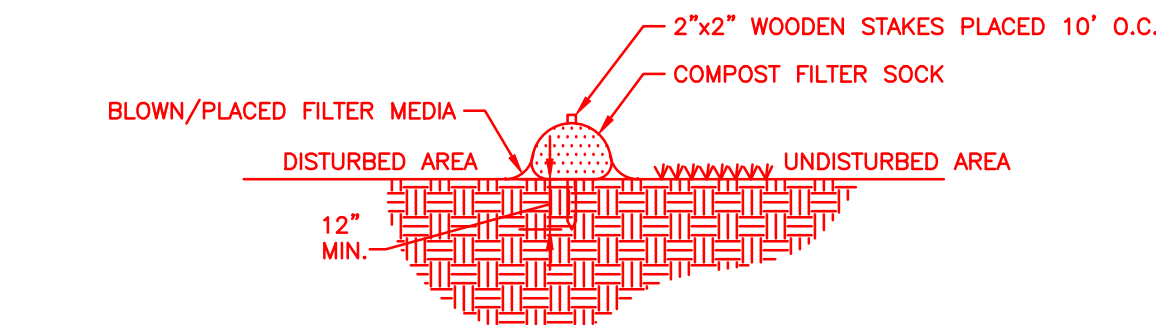
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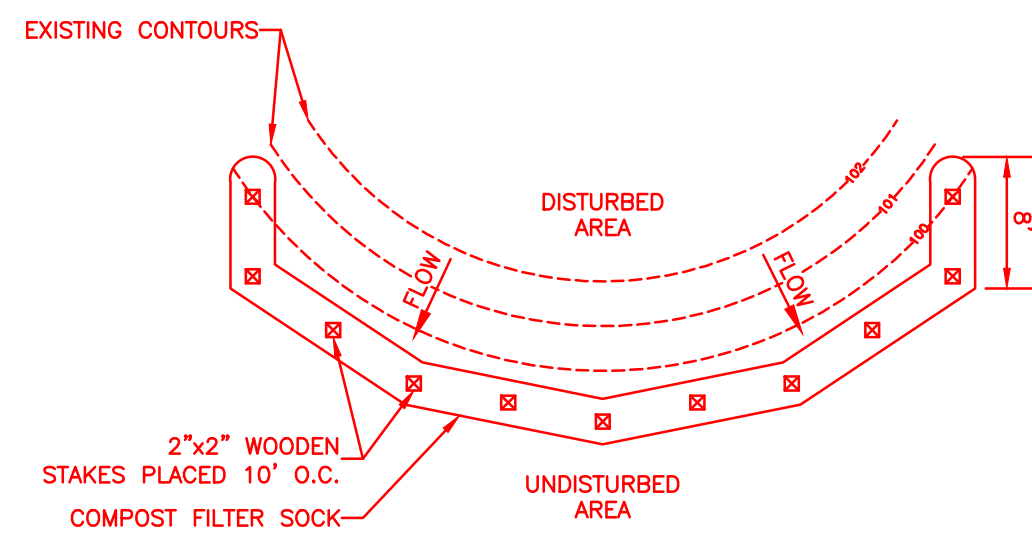
TYPICAL ACCESS ROAD SECTION

NOT TO SCALE

INSTALL



SECTION VIEW



PLAN VIEW

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.2.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE 5A. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK

NOT TO SCALE

Table 5.1 - Compost Sock Fabric Minimum Specifications Table

Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MEFP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
Material Characteristics	Photodegradable	Photodegradable	Biodegradable	Photodegradable	Photodegradable
Sock Diameters	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability % Original Strength (ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years

Table 5.2 - Compost Standards Table

Organic matter content	25% - 100% (dry weight)
Organic portion	Fibrous and elongated
pH	6.0 - 8.0
Moisture content	30% - 60%
Particle size	100% passing a 1" screen and 10 - 50% passing a 3/8" screen
Soluble salt concentration	5.0 dS/m (mmhos/cm) maximum

Dia. (in.)	Slope %						
	2	5	10	20	25	33	50
8	225*	200	100	50	20	—	—
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

* Length in feet

FIGURE 5A: FILTER SOCK SLOPE TABLE

COMPOST FILTER SOCK

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			NEW GARDENVILLE LANCASTER
			BY: JEC/PSA SCALE: 1"=30' FILE: 3130-0003-005_SH003.DWG
			CK: SSS/PSA NO.
			APP: SSS/PSA
			REV: DESCRIPTION DATE BY CK APP DATE: 02/08/2022
			3130-0003-005 SH 003 0-0A

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REALTIME
Utility Engineers

2803 Lake Drive
Fitchburg, WI 53719

NO.	DATE	DESCRIPTION	BY	APP
1	02/08/2022	ISSUED FOR REVIEW	JEC/PSA	SSS/PSA
2			CK	SSS/PSA
3			APP	SSS/PSA

SEEDING/MULCHING

- FERTILIZER, SUPERPHOSPHATE, AND LIME SHALL BE APPLIED AT RATES RECOMMENDED BY THE TESTING AGENCY AND APPROVED BY THE ENGINEER.
- PERMANENT SEED SHALL BE SUPPLIED IN THE FOLLOWING PROPORTIONS AND APPLIED AT A RATE OF FIVE POUNDS PER 1,000 SF:
SEED TYPE (% PROPORTION/% GERMINATION MIN./% PURITY MIN.)
CREEPING FESCUE (50/85/95)
KENTUCKY BLUEGRASS (40/85/90)
MANHATTAN PERENNIAL RYE (10/90/95)
- TEMPORARY SEED SHALL BE SUPPLIED IN THE FOLLOWING PROPORTIONS AND APPLIED AT A RATE OF 100 POUNDS PER ACRE:
SEED TYPE (% WEIGHT MIN./% GERMINATION MIN.)
WINTER RYE (80/85)
RED FESCUE - CREEPING (4/80)
PERENNIAL RYE GRASS (3/90)
RED CLOVER (3/90)
- MULCH SHALL BE APPLIED TO AREAS IMMEDIATELY AFTER THEY HAVE BEEN SEEDED. MULCH SHALL CONSIST OF HAY, STRAW, HYDRO-MULCH, EROSION CONTROL BLANKETS, OR APPROVED EQUAL.
- HAY OR STRAW MULCH SHALL BE AIR-DRIED; AND FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS. MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 1-1/2 TONS/ACRE. MULCH SHALL BE ANCHORED WITH NETTING, PEG/TWINE, OR TRACKING. MULCH SHALL BE ANCHORED WITH NETTING WHEN APPLIED TO SLOPES GREATER THAN 15 PERCENT.

TEMPORARY EROSION CONTROL MEASURES

- AREAS REMAINING UNSTABILIZED FOR A PERIOD OF MORE THAN 7 DAYS SHALL BE TEMPORARILY SEEDED AND MULCHED.
- TEMPORARY MULCH SHALL BE APPLIED TO UNSTABILIZED AREAS WITHIN 100-FT OF STREAMS, WETLANDS, AND OTHER WATER RESOURCES WITHIN 7 DAYS OF EXPOSING SOIL AND PRIOR TO ANY STORM EVENT.
- DUST SHALL BE CONTROLLED THROUGH THE USE OF WATER.
- CONTRACTOR SHALL PROVIDE TEMPORARY SILTATION/DEWATERING BASINS, IF NECESSARY AND/OR AS DIRECTED BY THE ENGINEER, TO CONTROL SEDIMENTATION AND STORMWATER RUNOFF DURING THE CONSTRUCTION PERIOD. CONTRACTOR SHALL SUBMIT PROPOSED BASIN LOCATIONS, DESIGNS ETC. TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- SOILS TO BE STOCKPILED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE TEMPORARILY SEEDED AND MULCHED. CONTRACTOR SHALL INSTALL SILT FENCING ALONG DOWNHILL SIDE OF STOCKPILES.
- REPAIR, CLEAN, AND REPLACE ANY SEDIMENT CONTROLS DAMAGED DURING AND/OR AFTER RAINFALL EVENTS.
- EROSION CONTROL BLANKETS SHALL BE PLACED IN THE FLOW LINE OF ALL VEGETATED SWALES NOT OTHERWISE PROTECTED BY STONE.
- EROSION CONTROL BLANKETS NETTING OVER LOOSE MULCH OR EROSION CONTROL MIX AS SPECIFIED IN THE MAINE

PERMANENT EROSION CONTROL MEASURES

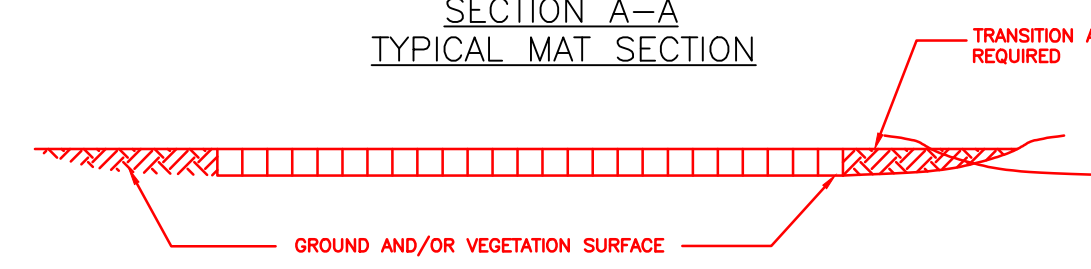
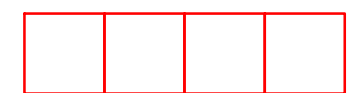
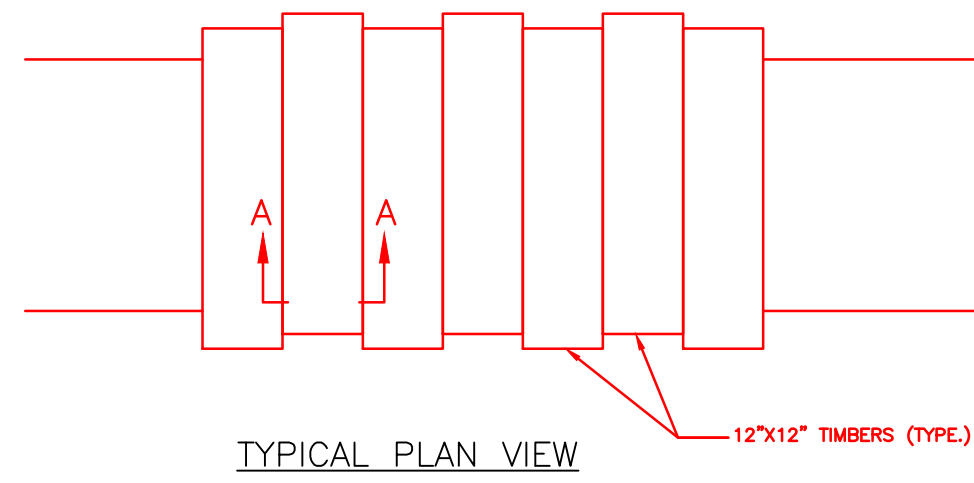
- SEEDING SHALL OCCUR NO LATER THAN 45 DAYS BEFORE THE FIRST KILL FROST.
- ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PAVING, OR OTHERWISE DEVELOPED, SHALL BE COVERED WITH 6 INCHES LOAM AND SEEDED. LOAM SHALL BE FREE OF UNDESIRABLE SEEDS AND INVASIVE SPECIES.
- HARD ANGULAR STONE SHALL BE INSTALLED AT ALL PIPE OUTLETS TO THE DIMENSIONS SHOWN ON THE PLANS. THE MINIMUM STONE SIZE SHALL BE D50=6 WITH A MINIMUM STONE DEPTH OF 14-INCHES, UNLESS OTHERWISE SPECIFIED.

SITE INSPECTION & MAINTENANCE

- CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- CONTRACTOR SHALL MAINTAIN WRITTEN INSPECTION AND MAINTENANCE LOGS FOR THE EROSION CONTROL CONTROL MEASURES FOR THE DURATION OF THE CONSTRUCTION PERIOD. LOGS SHALL BE MADE AVAILABLE TO THE OWNER, ENGINEER AND MDEP UPON REQUEST.
- TEMPORARY MULCHING: ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED TO AREAS WHERE LESS THAN 90% OF THE SOIL SURFACE IS COVERED WITH MULCH.
- CATCH BASIN/SILT SACK SEDIMENT TRAPS: SEDIMENT SHALL BE REMOVED FROM TRAPS WHEN ACCUMULATION DEPTH IS GREATER THAN OR EQUAL TO 1/2 THE DESIGN DEPTH OF THE TRAP. TRAPS SHALL BE REPLACED IF THE ARE DAMAGED, TORN, ETC.
- HAY BALE BARRIERS, SILT FENCE BARRIERS, AND STONE CHECK DAMS: HAY BALE BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM, SEDIMENT TRAPPED BEHIND BARRIERS/CHECK DAM SHALL BE REMOVED WHEN SEDIMENT DEPTH REACHES 6 INCHES. BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM IF THERE ARE SIGNS OF UNDERCUTTING OR IMPOUNDING LARGE VOLUMES OF WATER BEHIND THEM.
- EROSION CONTROL BLANKETS: IF WASHOUTS OR BREAKAGE OCCURS, SLOPES SHALL BE REPAIRED AND BLANKETS SHALL BE RE-INSTALLED.
- STABILIZED CONSTRUCTION EXITS: SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. IF EXIT BECOMES INEFFECTIVE IT SHALL BE RECONSTRUCTED AND/OR REPLACED.
- TEMPORARY SEDIMENTATION/DEWATERING BASINS: SEDIMENT IN TEMPORARY BASINS SHALL BE REMOVED AS NECESSARY DEPENDING ON THEIR USE AND DESIGN.

EROSION & SEDIMENT CONTROL CONSTRUCTION SEQUENCE

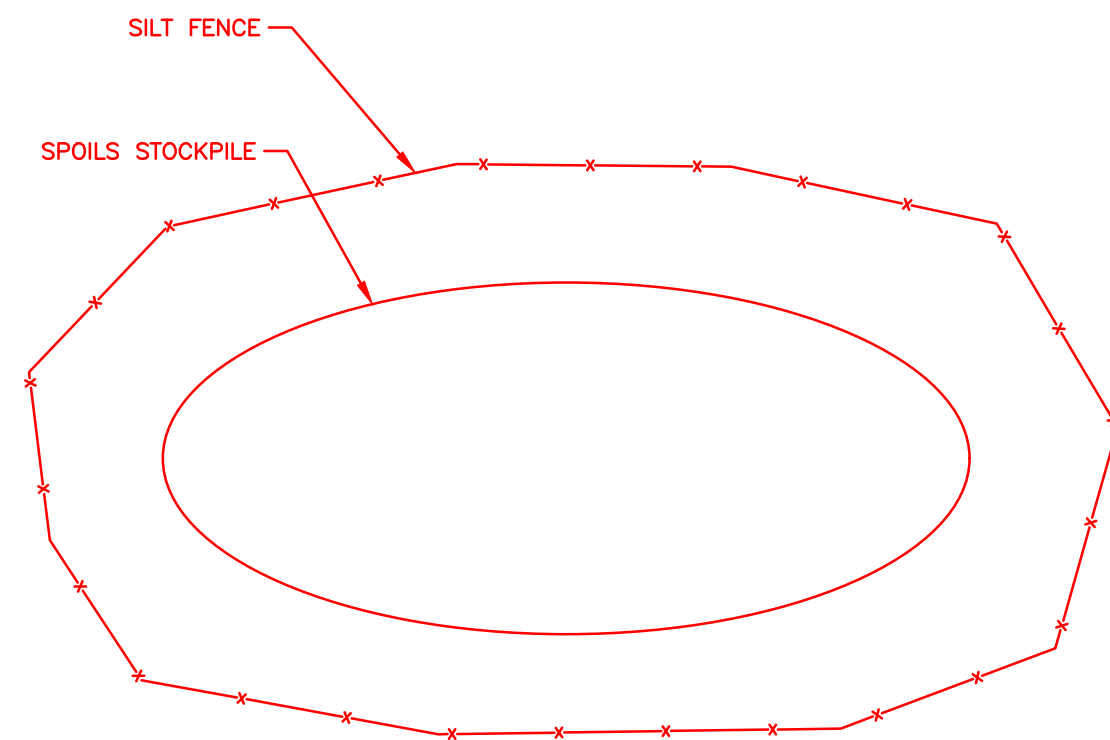
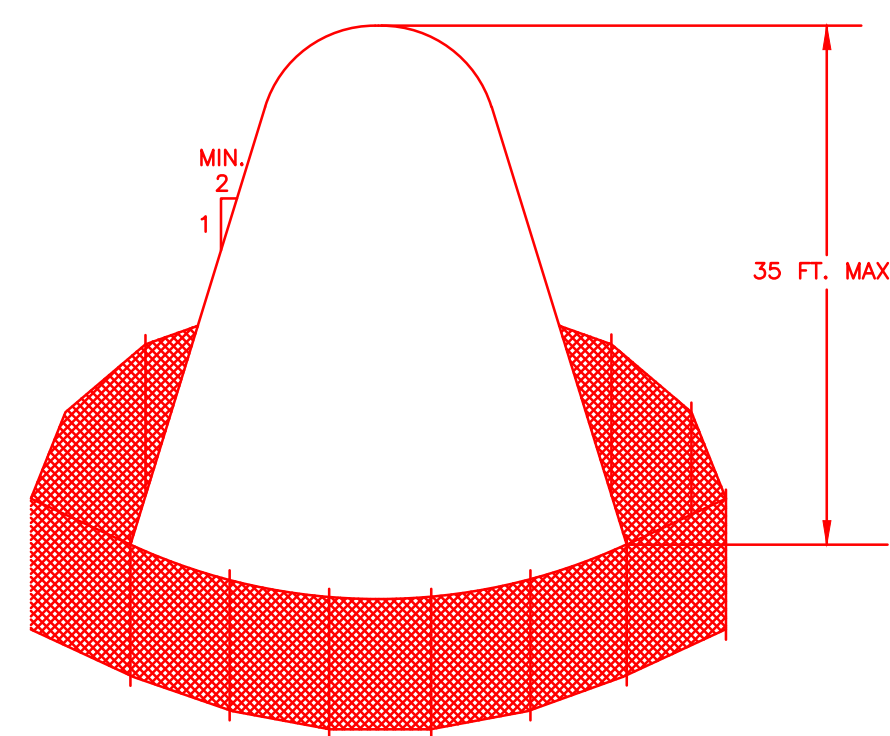
- SURVEY AND STAKE LIMITS OF DISTURBANCE.
- SURVEY AND STAKE (50 FT OC) LIMITS OF WETLAND BUFFER AND FLAG LIMITS OF DISTURBANCE. LIMITS NEED TO BE CONFIRMED BY ENGINEER PRIOR TO START OF CONSTRUCTION.
- INSTALL CONSTRUCTION EXITS IN ACCORDANCE WITH THE DETAIL AND PLANS. MAINTAIN UNTIL GRAVEL SURFACES ARE INSTALLED.
- CLEAR ANY TIMBER AND BRUSH.
- INSTALL TEMPORARY PERIMETER EROSION CONTROL MEASURES, SILT SOCK BARRIER, AS SHOWN ON THE PLANS. SILT SOCK BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS APPROVED BY THE ENGINEER.
- GRUB ALL AREAS TO BE DISTURBED BY CONSTRUCTION AND PERFORM DEMOLITION OPERATIONS. CONSTRUCTION EQUIPMENT SHALL BE KEPT OUTSIDE OF THE LIMITS OF THE MEADOW VEGETATED BUFFERS.
- CONSTRUCT NEW ACCESS DRIVE AND REGRADE SUBSTATION GRAVEL PAD.
- CONCURRENT WITH SITE GRADING, CONSTRUCT ALL DRAINAGE FEATURES.
- CONSTRUCT NEW BUILDINGS, ELECTRICAL STRUCTURES AND APPURTENANCES, AND NEW FENCE LINES AND GATES.
- MINIMIZE DISTURBANCE AREAS AT ANY ONE TIME BY STAGING CONSTRUCTION AS PRACTICAL.
- DUST CONTROL MEASURES SHALL BE UTILIZED AFTER GRADING AND PRIOR TO SITE STABILIZATION. ROAD SWEEPING AS NECESSARY.
- INSPECT AND REPAIR EROSION CONTROL MEASURES DAILY IN AREAS OF CONSTRUCTION, OTHERWISE WEEKLY AND AFTER A RAINFALL OF 0.5-INCHES OR GREATER IN A 24 HOUR PERIOD.
- PERFORM FINAL/FINE GRADING INCLUDING SLOPE STABILIZATION BLANKETS.
- LOAM, SEED AND MULCH ALL DISTURBED AREAS.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER FINAL GRAVEL SURFACING IS INSTALLED; AND LANDSCAPING AREAS ARE 80% ESTABLISHED AND STABILIZED.



NOTES:

- TO BE INSTALLED IF NECESSARY TO PREVENT RUTTING, TO ACCESS STRUCTURES.
- THIS DETAIL SHOWS TYPICAL DIMENSIONS. SOME CONTRACTORS TIMBER MATS ARE DIMENSIONALLY DIFFERENT FROM WHAT IS SHOWN HERE.
- DEPENDENT ON SITE CONDITIONS, MULTIPLE LAYERS OF TIMBER MATS MAY BE INSTALLED.

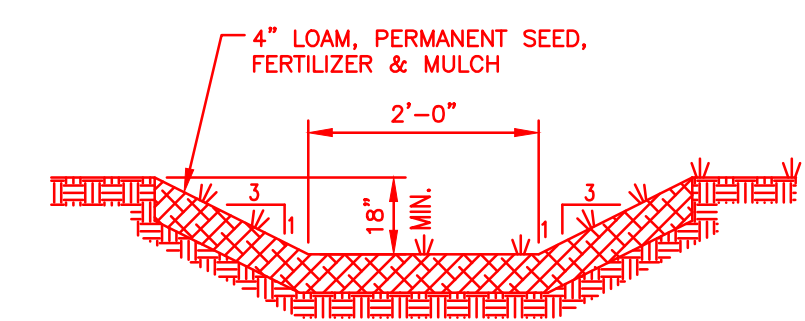
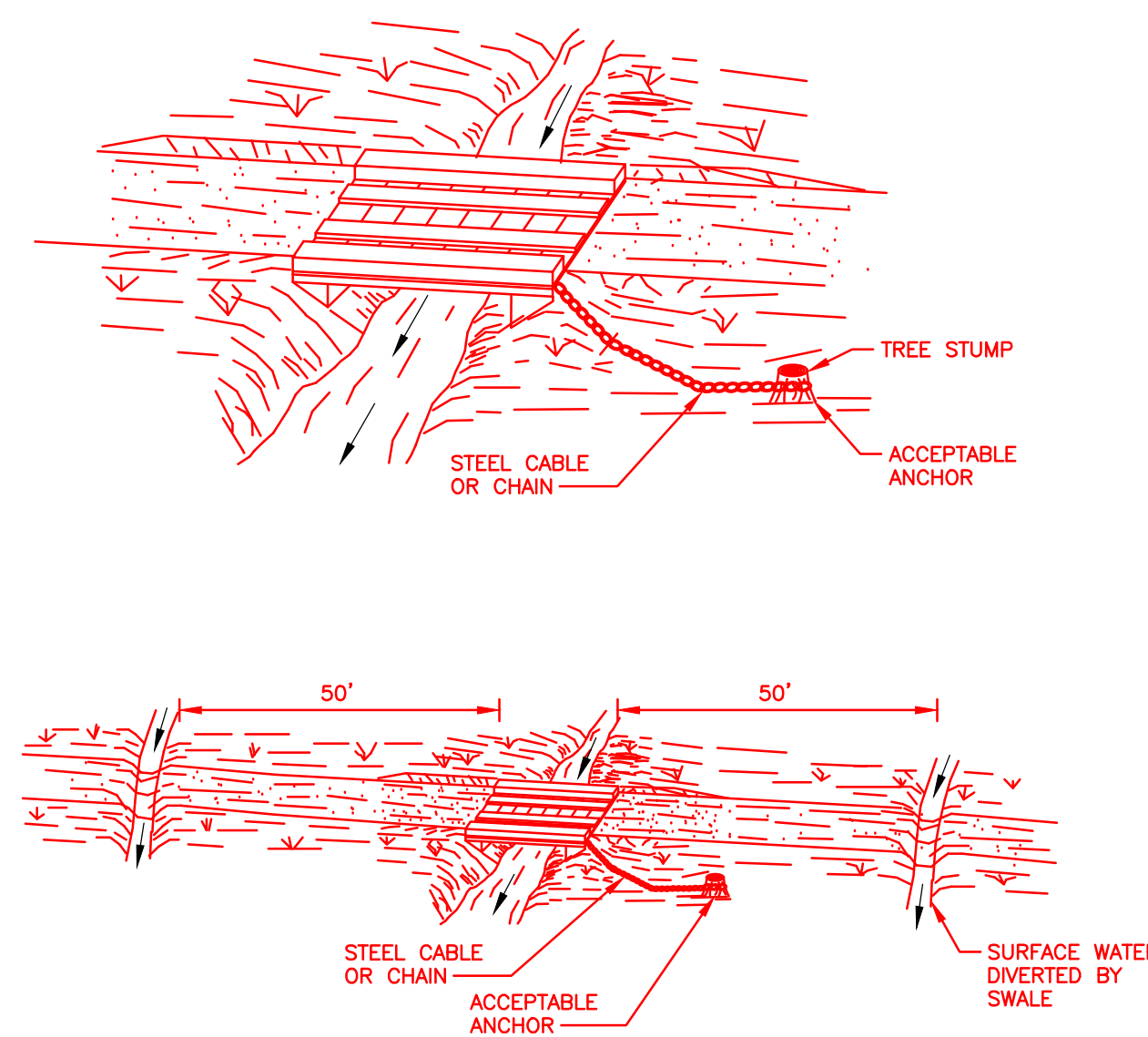
TYPICAL TIMBER MAT
NOT TO SCALE



NOTE:

- SILT FENCE MUST BE PLACED DOWNSLOPE OF ALL STOCKPILES (AS SHOWN ON PLAN). IMMEDIATELY APPLY TEMPORARY SEEDING TO ALL STOCKPILES WHICH WILL REMAIN IN PLACE 14 DAYS OR MORE.
- TEMPORARY STABILIZATION IS REQUIRED IN ACTIVE TOPSOIL PILES AFTER 14 DAYS.
- STOCKPILE SURFACES CAN BE STABILIZED BY VEGETATION, GEOTEXTILE OR PLASTIC COVERS.

SPOILS STOCKPILE AREA
NOT TO SCALE



NOTE:

- PROVIDE SWALE AT ALL CUT AREAS. SWALE NOT REQUIRED AT FILL SLOPES.

INSTALL

EROSION & SEDIMENT CONTROL DETAILS
SHEET 04 OF 04

NEW GARDENVILLE		LANCASTER	
BY	JEC/PSA	SCALE	1"=30'
CK	SSS/PSA	FILE	3130-0003-005_SH004.DWG
APP	SSS/PSA	NO.	
REV	DESCRIPTION	DATE	02/08/2022

3130-0003-005 SH 004 0-04

PE STAMP

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REALTIME Utility Engineers
2803 Highway 100
Fitchburg, WI 53719

ANSI D 28/2022