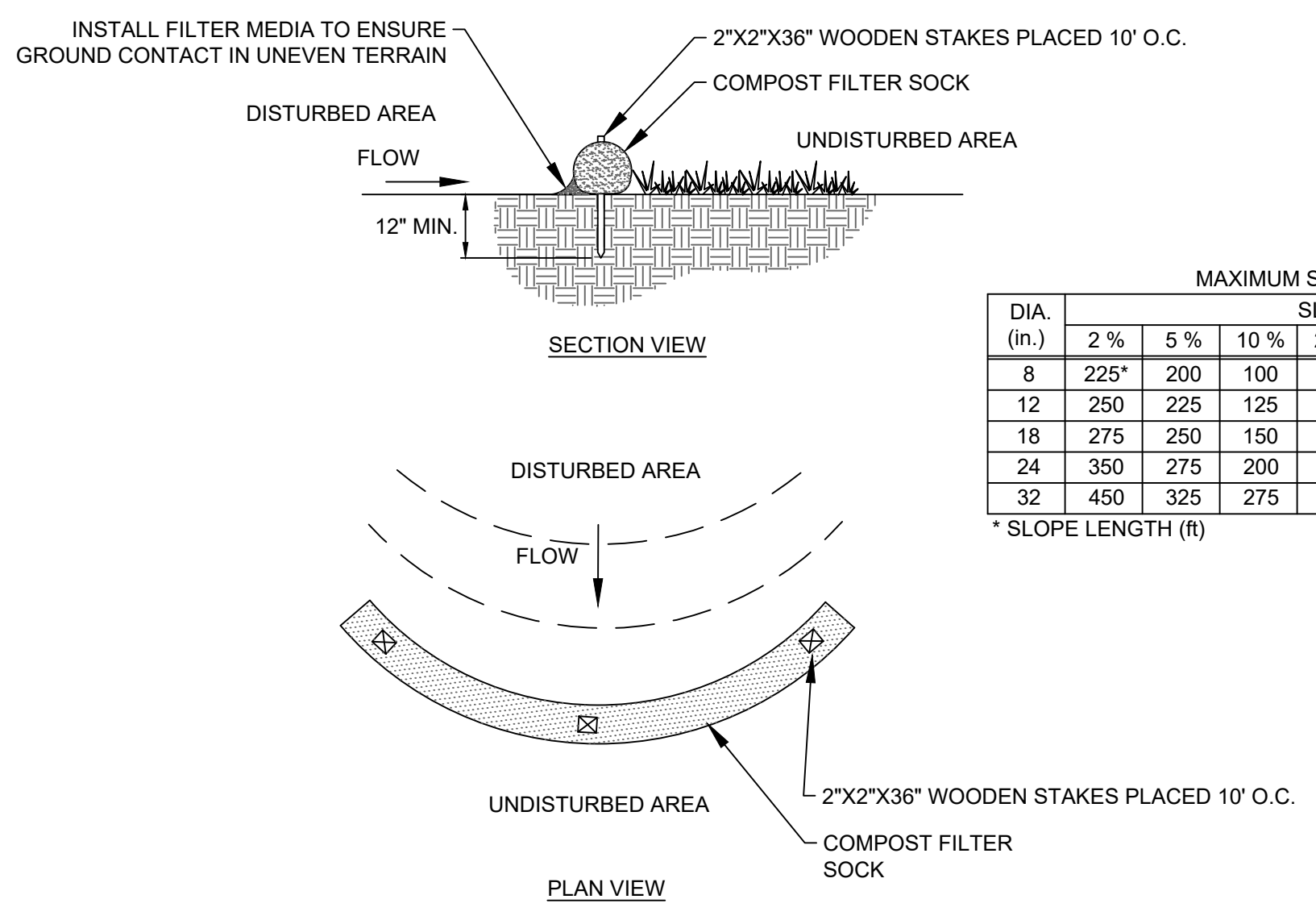


- WOVEN WIRE FENCE SHALL BE FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MIDSECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BUILD-UP REACHES 1/2 THE HEIGHT OF THE FENCE.
 - STANDARD SILT FENCE MAY BE USED ON SLOPES < 10%.
- POSTS: STEEL "T" OR "U" TYPE OR 2" HARDWOOD.
 FENCE: WOVEN WIRE. 14 1/2 GA 6" MAX MESH OPENING.
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
 PREFABRICATED UNIT: ENVIROFENCE OR APPROVED EQUAL

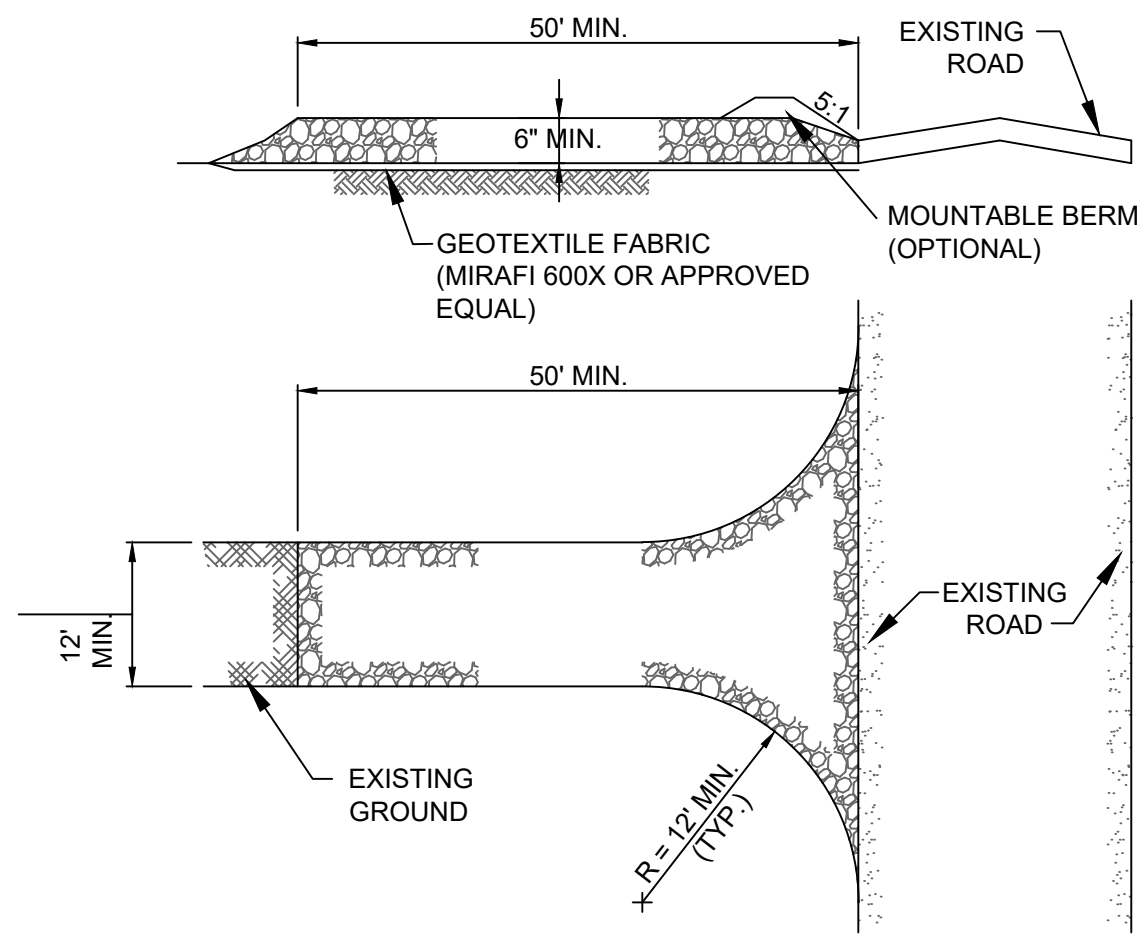
REINFORCED SILT FENCE DETAILS
SCALE: N.T.S.



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

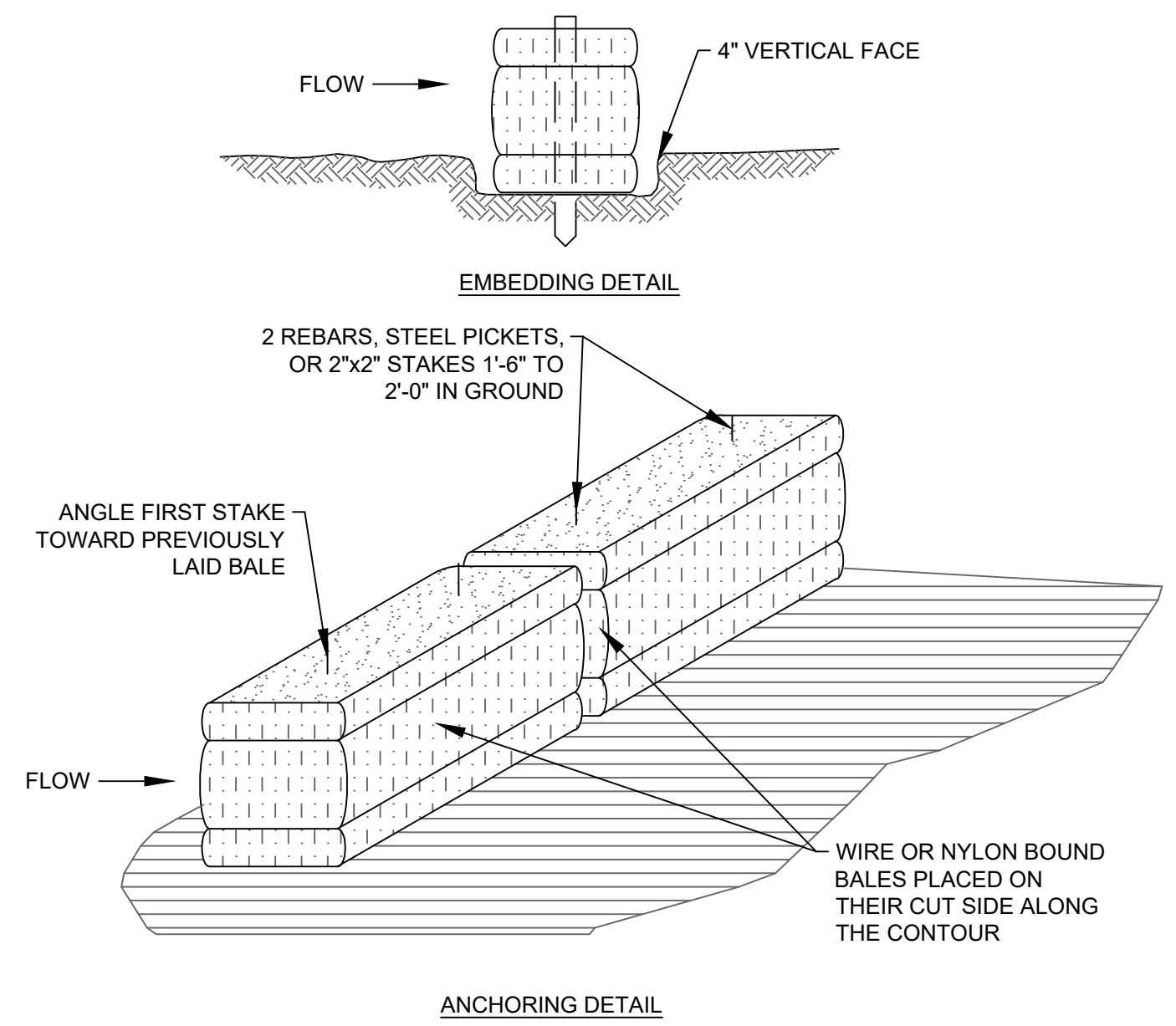
* SLOPE LENGTH (ft)

TYPICAL COMPOST FILTER SOCK
SCALE: N.T.S.



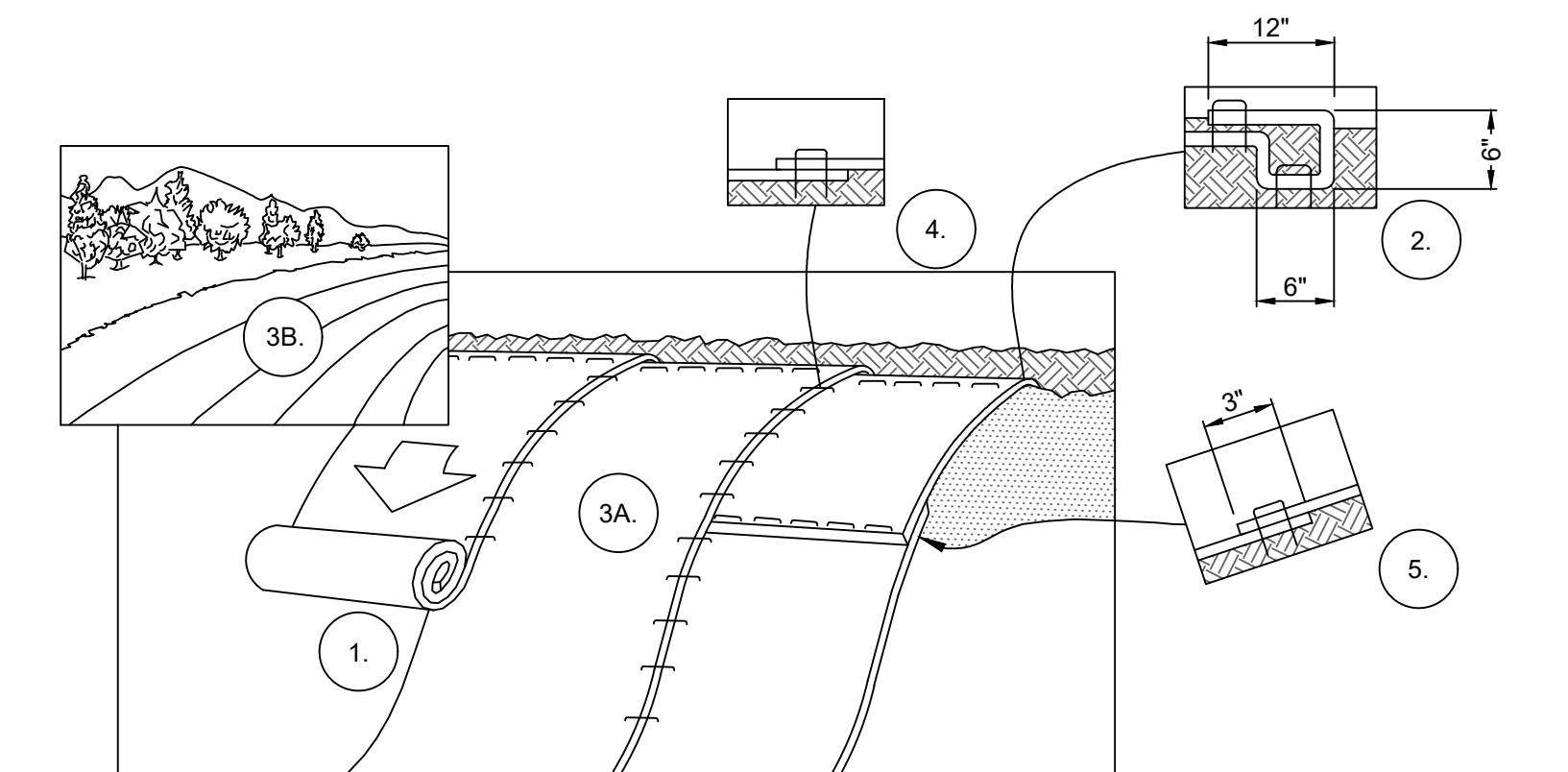
- STONE SIZE - USE 1" - 4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MIN. BUT NOT LESS THAN THE FULL ROAD WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. PROVIDE TWENTY-FOUR (24) FOOT WIDTH IF THERE IS ONLY A SINGLE ENTRANCE TO SITE.
- GEOTEXTILE - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- RATTLE GRATES AND/OR TRACKOUT CONTROL MATS WILL BE PLACED AT EACH DRIVEWAY ENTRANCE.

STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.



- NOTES:
- STRAW BALES SHALL BE USED ONLY AS REINFORCEMENT FOR SILT FENCE WHERE NEEDED.
 - BALES SHALL BE PLACED IN A ROW AT THE TOE OF A SLOPE OR ON THE CONTOUR, WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
 - BALES SHALL BE SECURELY ANCHORED IN PLACE BY DRIVING EITHER TWO STAKES OR RE-BARS THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF BALE.
 - INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

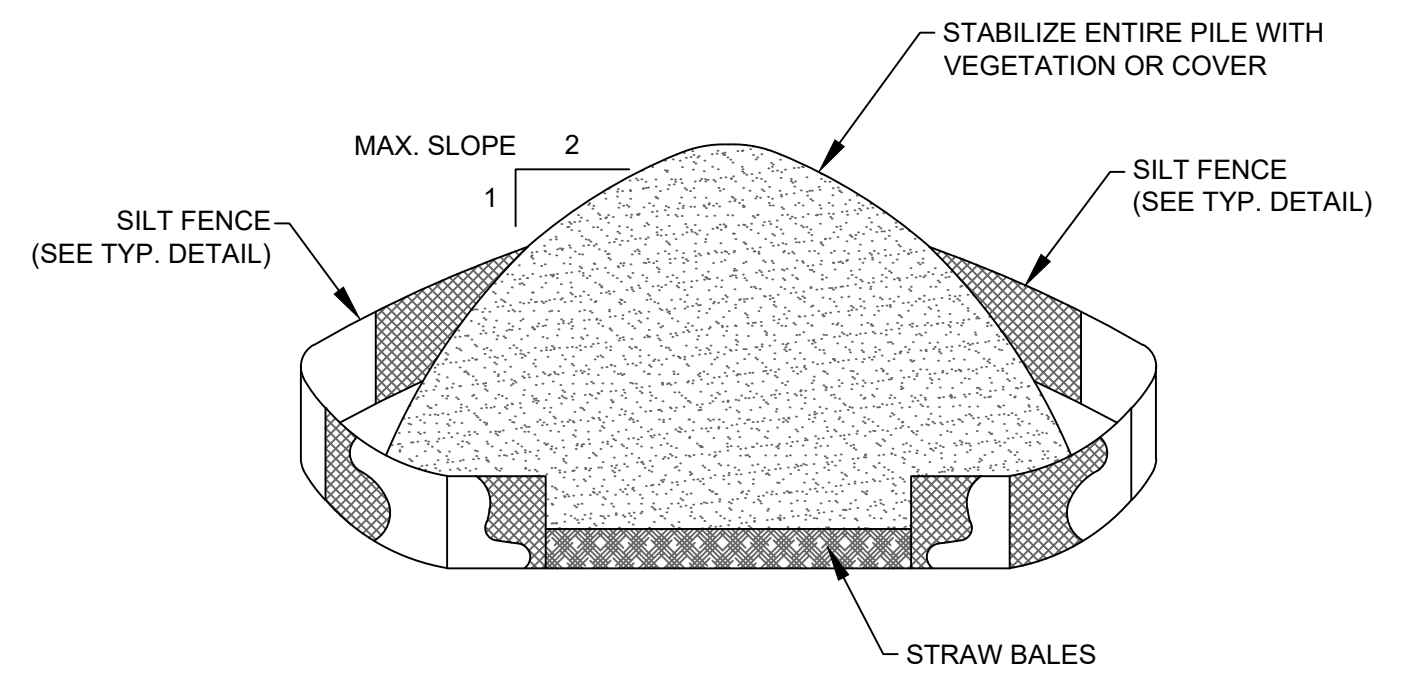
STRAW BALE BARRIER
SCALE: N.T.S.



EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.

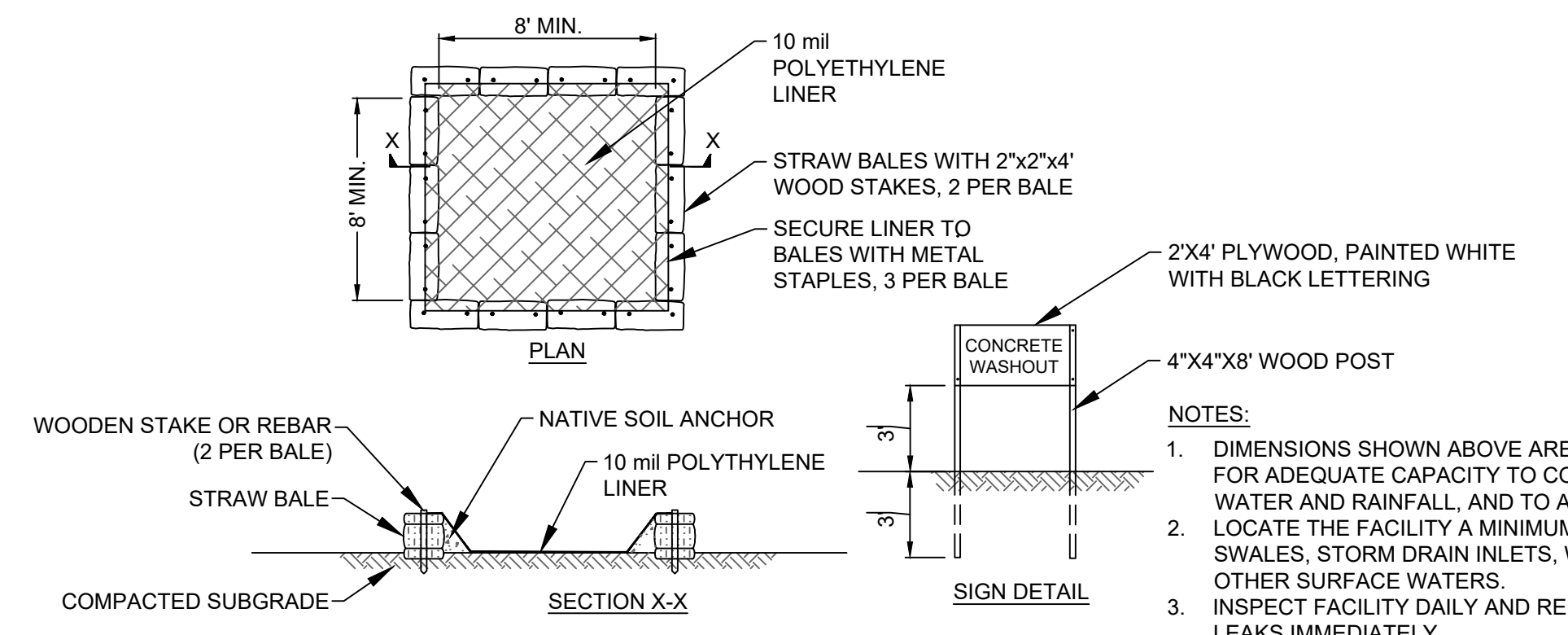
- PREPARE SOIL BEFORE INSTALLING BLANKETS BY SMOOTHING THE SURFACE, REMOVING DEBRIS AND LARGE STONES, AND APPLICATION OF ANY NECESSARY LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 - 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.
 - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" 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.
 - CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
 *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKET INSTALLATION
SCALE: N.T.S.



- INSTALLATION NOTES:
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 - MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
 - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TYPICAL TOPSOIL STOCKPILE
SCALE: N.T.S.



- NOTES:
- DIMENSIONS SHOWN ABOVE ARE MINIMUM. SIZE FACILITY FOR ADEQUATE CAPACITY TO CONTAIN SOLIDS, WASH WATER AND RAINFALL, AND TO ALLOW EVAPORATION.
 - LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS OR OTHER SURFACE WATERS.
 - INSPECT FACILITY DAILY AND REPAIR ANY DAMAGE OR LEAKS IMMEDIATELY.
 - DISPOSE OF HARDENED MATERIAL OFF-SITE AT AN APPROPRIATE CONSTRUCTION WASTE FACILITY WHEN ACCUMULATION REACHES 75% OF THE WASHOUT CAPACITY.

TYPICAL CONCRETE WASHOUT
SCALE: N.T.S.

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 443269

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	D	RE-ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	07/25/2024	CMW	PMM	PMM
	C	REVISED PER ORES REVIEW COMMENTS	06/28/2024	CMW	PMM	PMM
	B	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	05/31/2024	CMW	PMM	PMM
	A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM



CMW DESIGNED	
CMW DRAWN	
PMM CHECKED	
APPROVED	
REVIEW 1	01/15/2024 DATE
REVIEW 2	AS NOTED SCALE

MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
EROSION AND SEDIMENT CONTROL DETAILS

GLEN NEW YORK

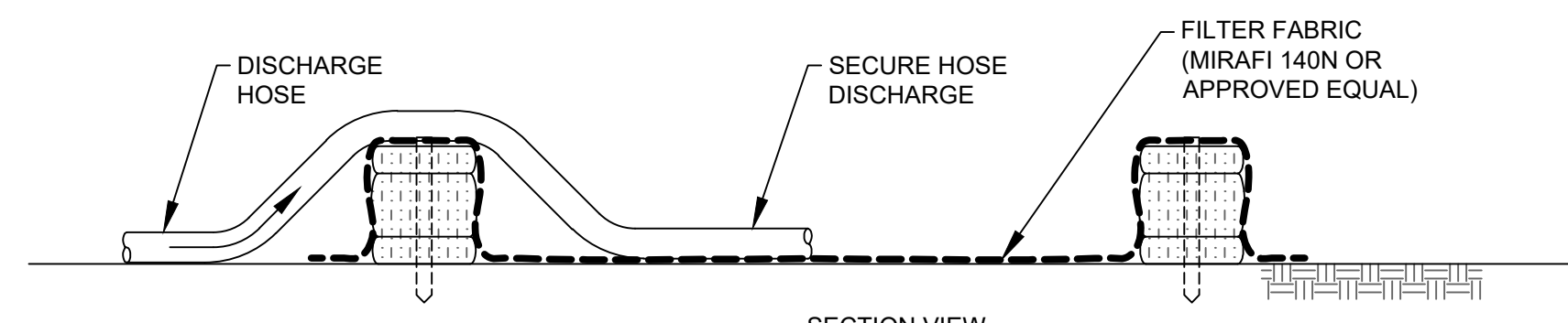
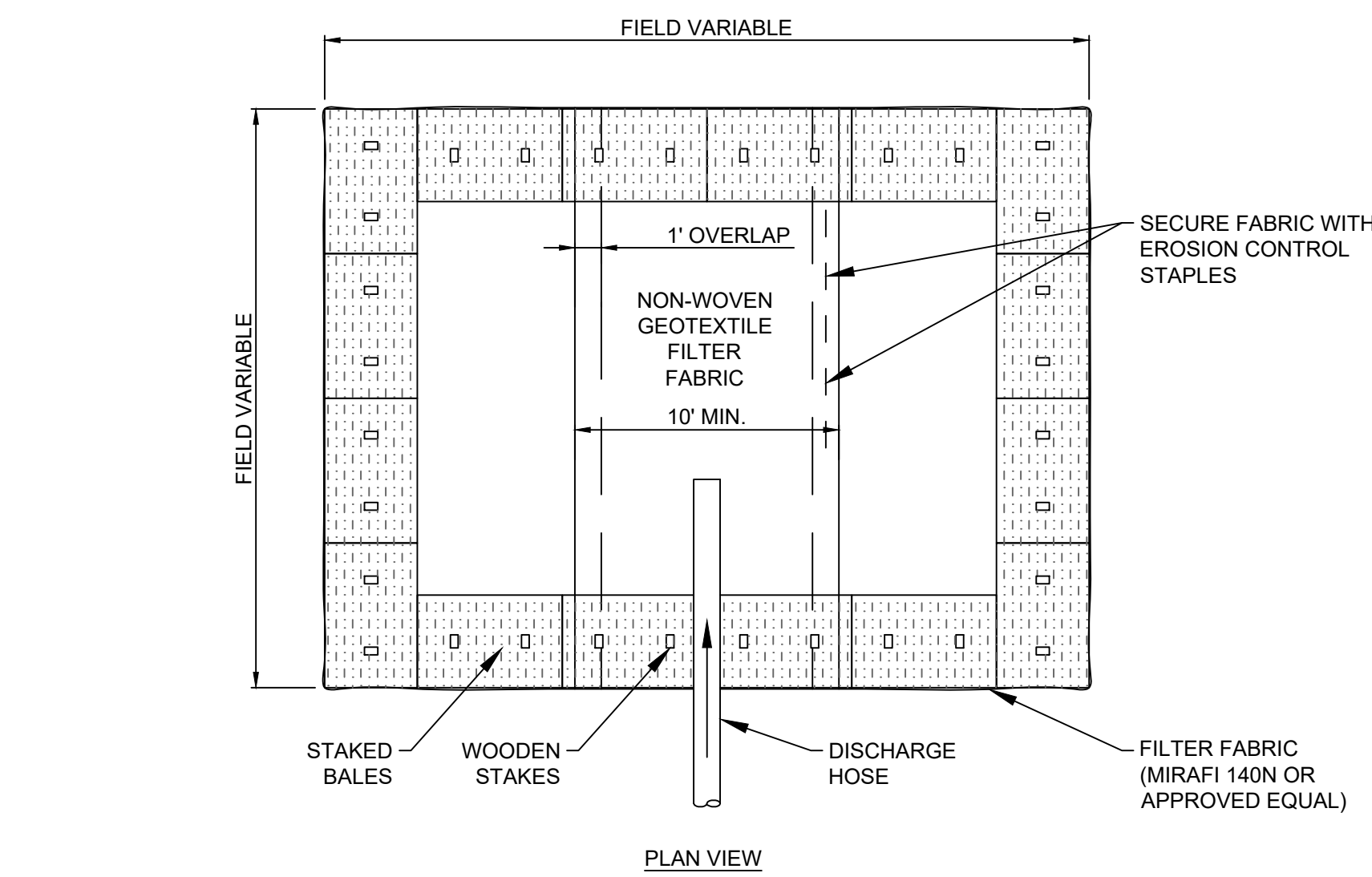


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REV. D

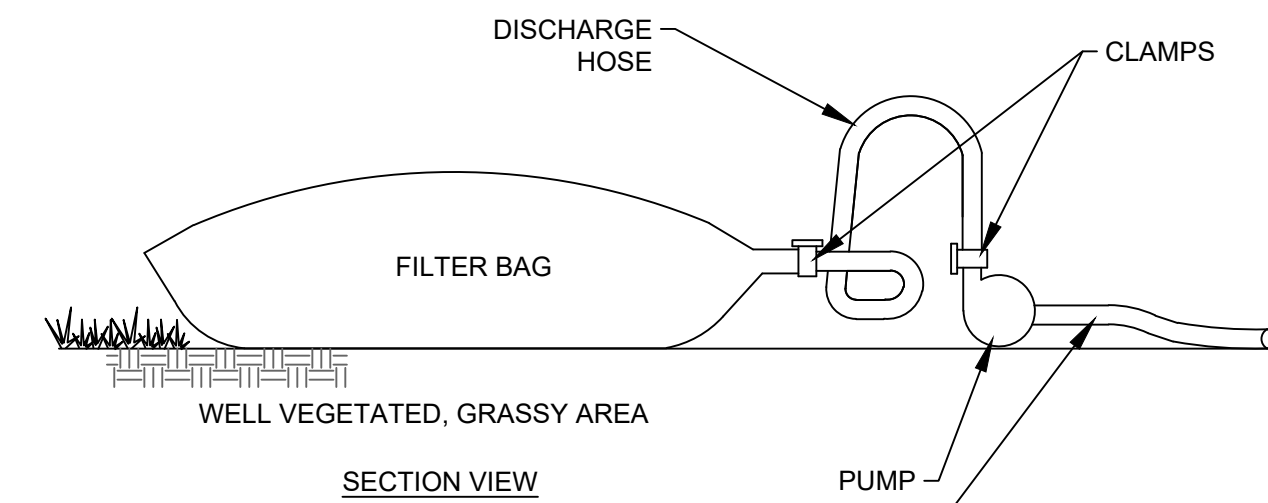
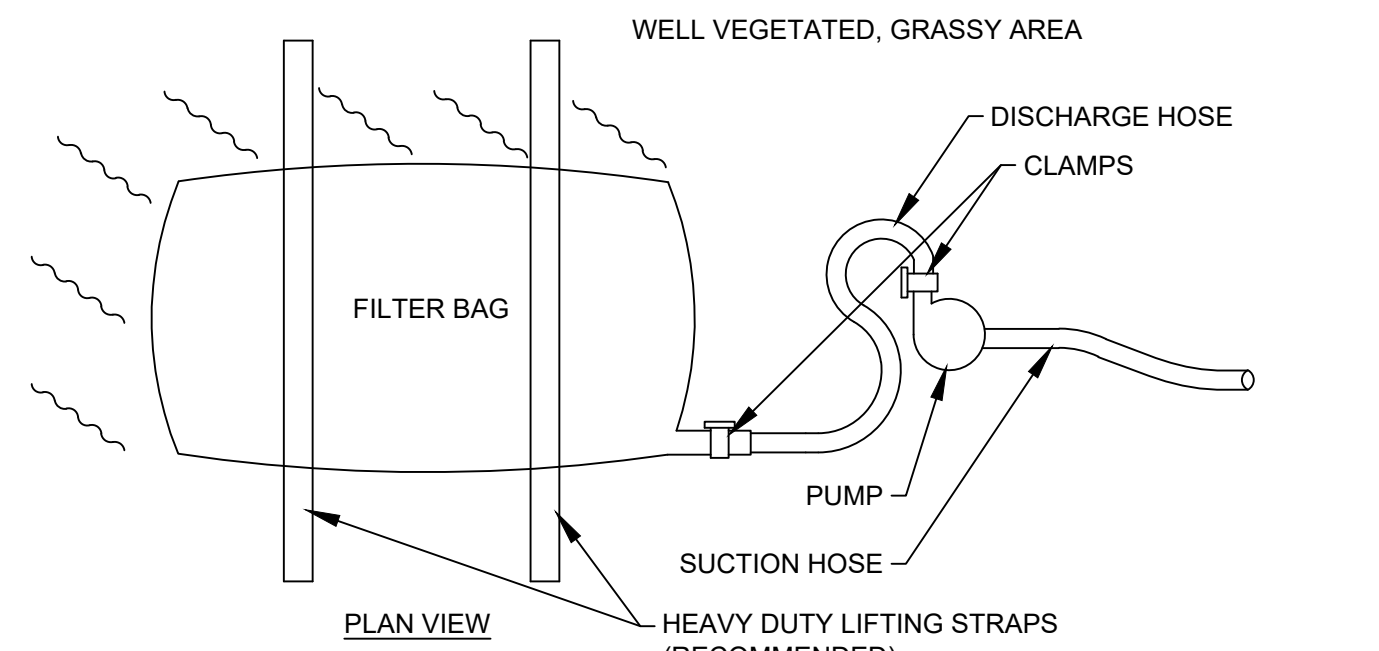
PRELIMINARY
NOT FOR CONSTRUCTION





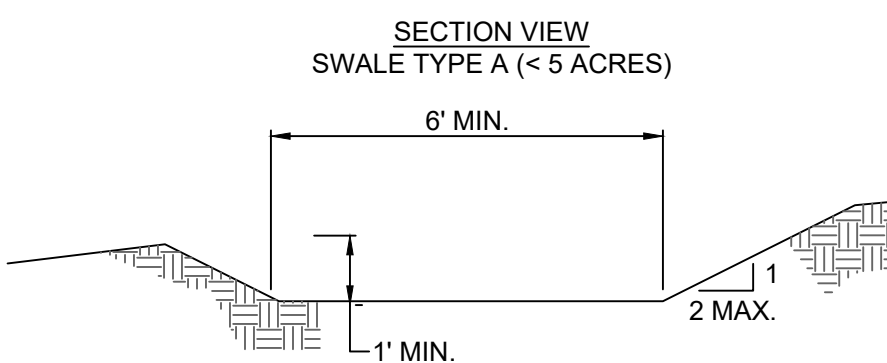
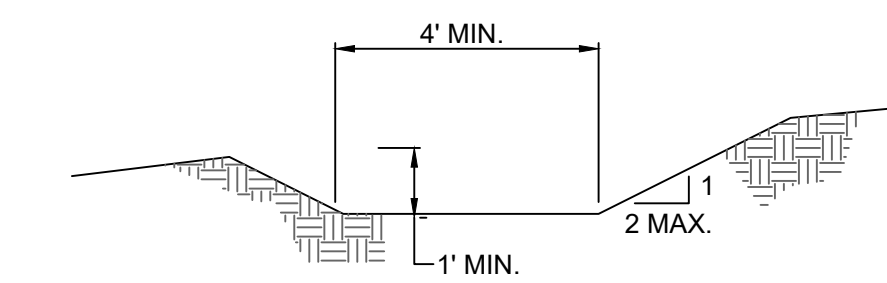
- NOTES:
- NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
 - THE BASIN SHALL BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.
 - LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS OR OTHER SURFACE WATERS.
 - CLEAN AND REMOVE AS SOON AS DEWATERING IS COMPLETE.

TYPICAL DEWATERING BASIN
SCALE: N.T.S.



- NOTES:
- THE GEOTEXTILE MATERIAL USED TO CONSTRUCT THE FILTER BAG SHALL MEET OR EXCEED THE SPECIFICATIONS PROVIDED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL - 2016" OR LATEST EDITION. THE BAG SHALL BE SEWN WITH A DOUBLE NEEDLE MACHINE USING HIGH STRENGTH DOUBLE STICHED "J" TYPE SEAMS (ASTM D4884).
 - GEOTEXTILE FILTER BAGS SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS BASED ON THE PUMP DISCHARGE RATE.
 - A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 75% FULL. THE ACCUMULATED SEDIMENT DISPOSAL SHALL BE MANAGED IN CONFORMANCE WITH THE PROJECT SWPPP.
 - SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. IT IS RECOMMENDED THAT BAGS BE PLACED ON STRAPS AS SHOWN TO FACILITATE REMOVAL.
 - BAGS SHALL BE LOCATED IN A WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE THEIR DISCHARGE CAPACITY.
 - BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
 - BAGS SHALL NOT BE PLACED WITHIN 50 FEET OF WETLANDS, STREAMS, OR OTHER SURFACE WATERS.
 - NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. A COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS PLACED WHERE A GRASSY AREA IS NOT AVAILABLE. A COMPOST FILTER SOCK MUST BE PLACED BELOW ANY BAG DISCHARGING TO A SPECIAL PROTECTION SURFACE WATER.
 - THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
 - THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 50 PERCENT OF THE MAXIMUM RATE SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PROVIDE FLOATING SUCTION SCREENS AT THE WATER SOURCE.
 - FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

SEDIMENT FILTER BAG
SCALE: N.T.S.

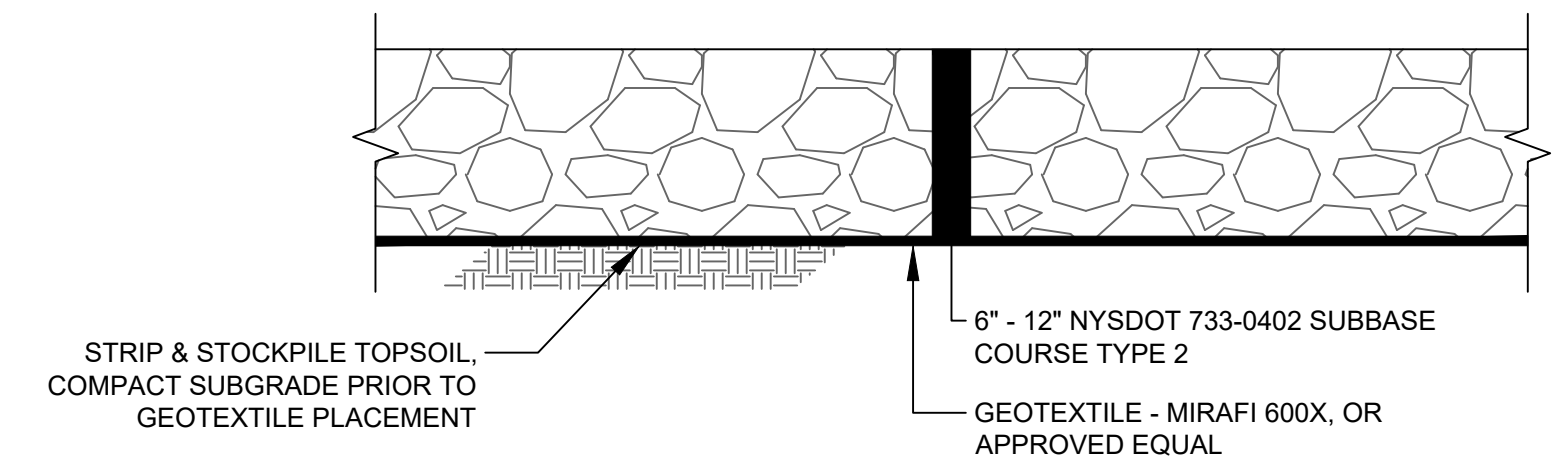


- NOTES:
- ALL CONSTRUCTION DITCHES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 - DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT A NON-EROSIVE VELOCITY.
 - ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTION OF THE DITCH.
 - DITCHES SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH IMPEDE NORMAL FLOW.
 - FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
 - ALL EXCAVATED MATERIAL NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SUCH THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DITCH.
 - STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW:

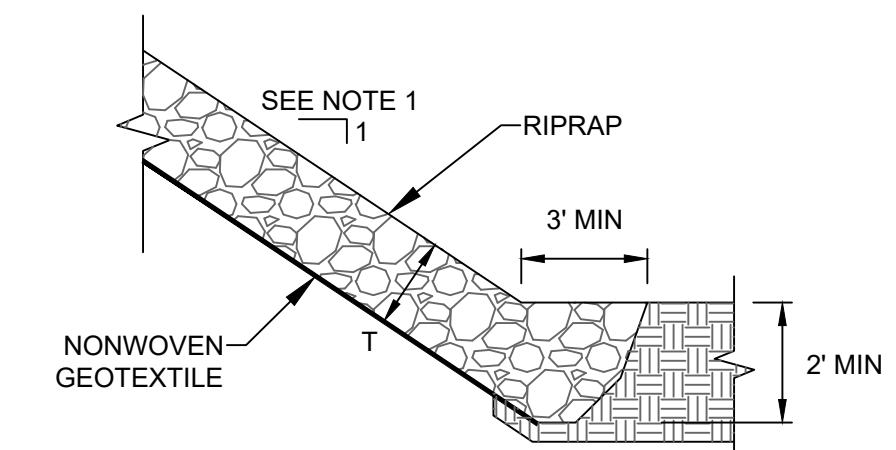
CHANNEL GRADE	TYPE A DITCH (< 5 ACRES)	TYPE B DITCH (5 - 10 ACRES)
0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH
3.1-5.0%	SEED & STRAW MULCH	SEED AND COVER W/ RECP
5.1-8.0%	SEED AND COVER W/ RECP	LINED 4-8" RIP RAP OR GEOTEXTILE
8.1-10%	LINED 4-8" RIP RAP OR GEOTEXTILE	ENGINEERED DESIGN

- INSPECT AND PROVIDE MAINTENANCE AFTER EACH RAIN EVENT.
- FIGURE IS BASED ON NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

TEMPORARY SWALE DETAIL
SCALE: N.T.S.

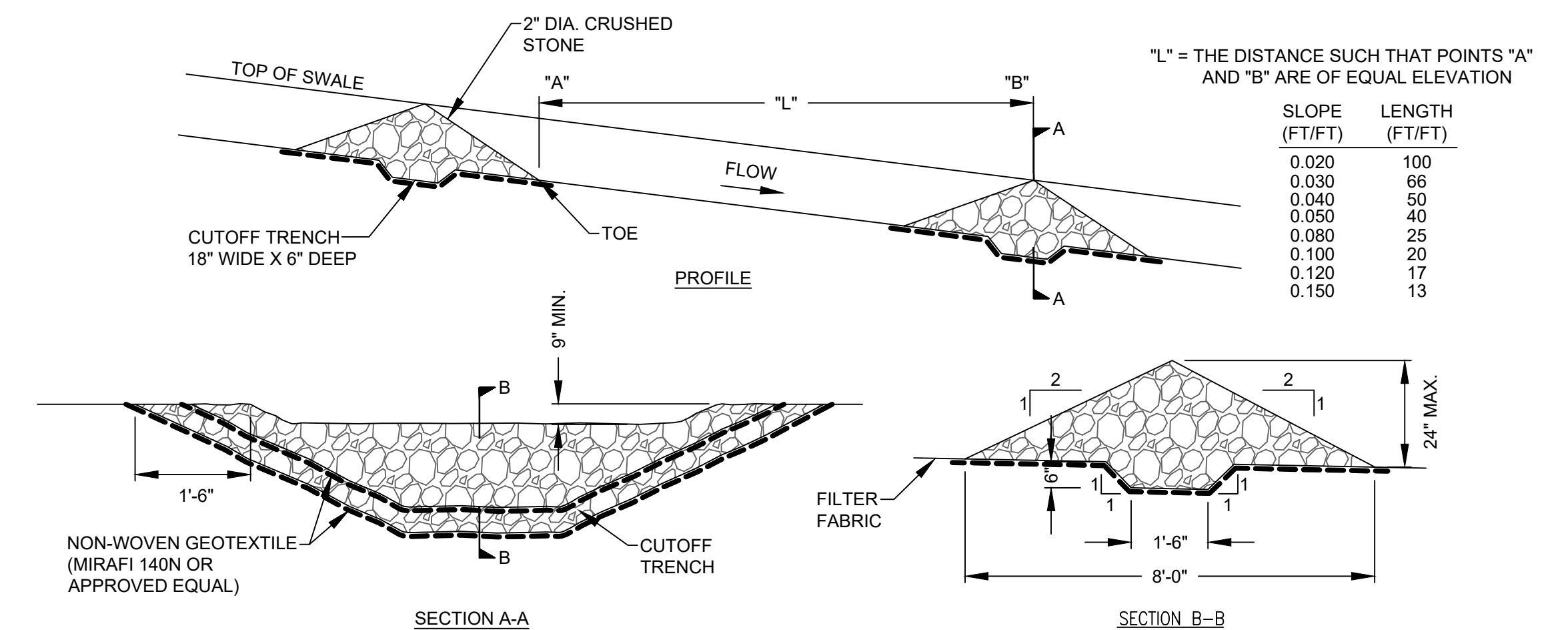


TEMPORARY LAYDOWN YARD TYPICAL SECTION
SCALE: N.T.S.



- NOTES:
- ALL SLOPES 3H:1V OR STEEPER SHALL BE STABILIZED WITH RIPRAP.
 - STONE FOR RIPRAP SHALL MEET THE REQUIREMENTS OF THE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016 OR LATEST).
 - RIPRAP GRADATION SHALL BE $D_{85}=4"$
 - MINIMUM RIPRAP THICKNESS (T) OF RIPRAP COVER SHALL BE $9" (2.25'D_{85})$.
 - GEOTEXTILE SHALL BE MIRAFI 140NL OR APPROVED EQUAL.

TYPICAL RIPRAP SLOPE PROTECTION DETAIL
SCALE: N.T.S.



- NOTE:
INSTALL WHERE INDICATED ON SITE GRADING PLANS AND AS NEEDED BY SPACING REQUIREMENTS.

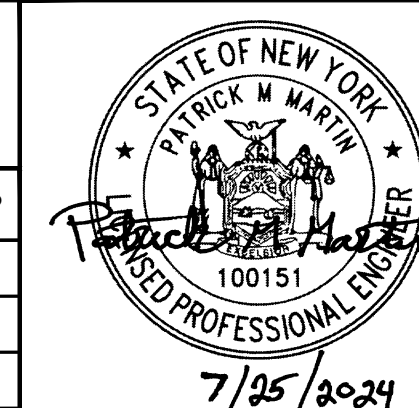
TYPICAL CHECK DAM DETAIL
SCALE: N.T.S.



PRELIMINARY
NOT FOR CONSTRUCTION

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 443269



CMW DESIGNED
CMW DRAWN
PMM CHECKED
APPROVED

MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
EROSION AND SEDIMENT CONTROL DETAILS

GLEN NEW YORK

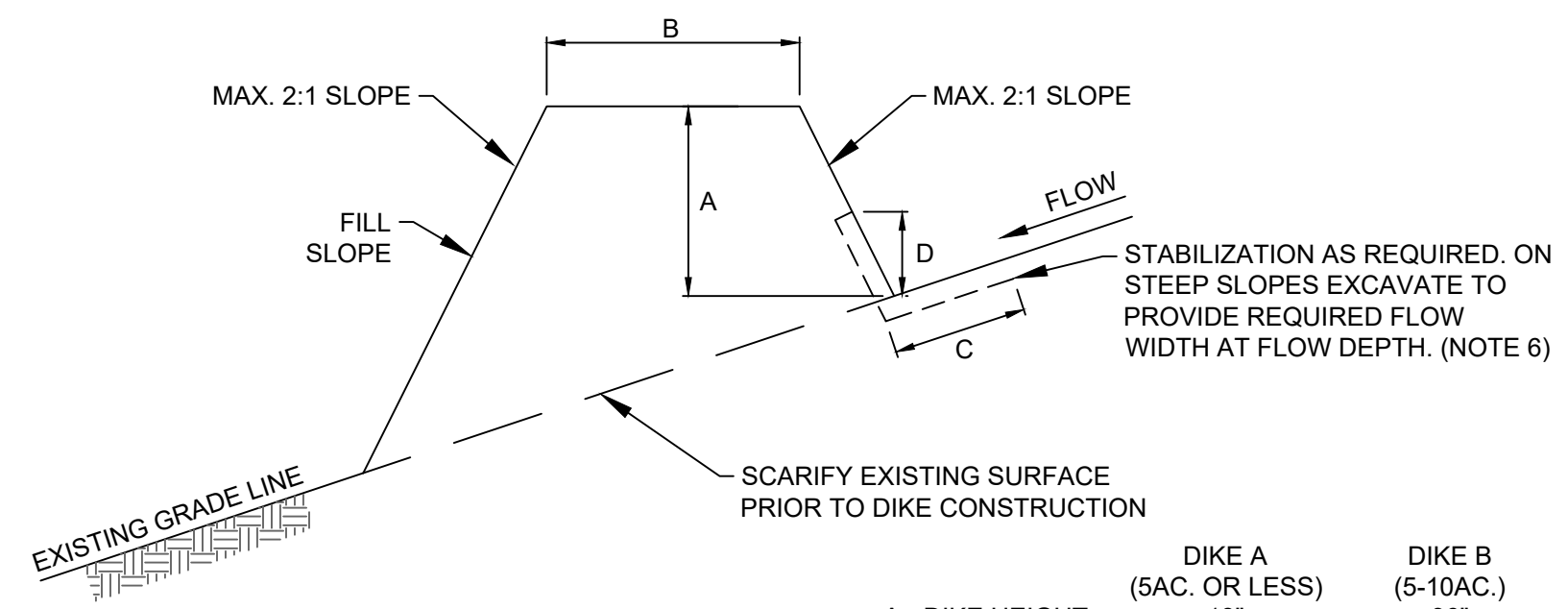
01/15/2024
DATE
1" = 100'
SCALE



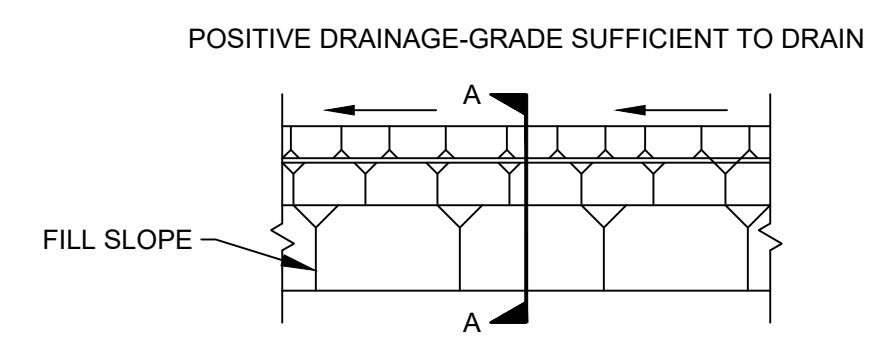
MPS-C-103-02

REV. D

REV	DESCRIPTION	DATE	DES	CHK	APP
D	RE-ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	07/25/2024	CMW	PMM	PMM
C	REVISED PER ORES REVIEW COMMENTS	06/28/2024	CMW	PMM	PMM
B	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	05/31/2024	CMW	PMM	PMM
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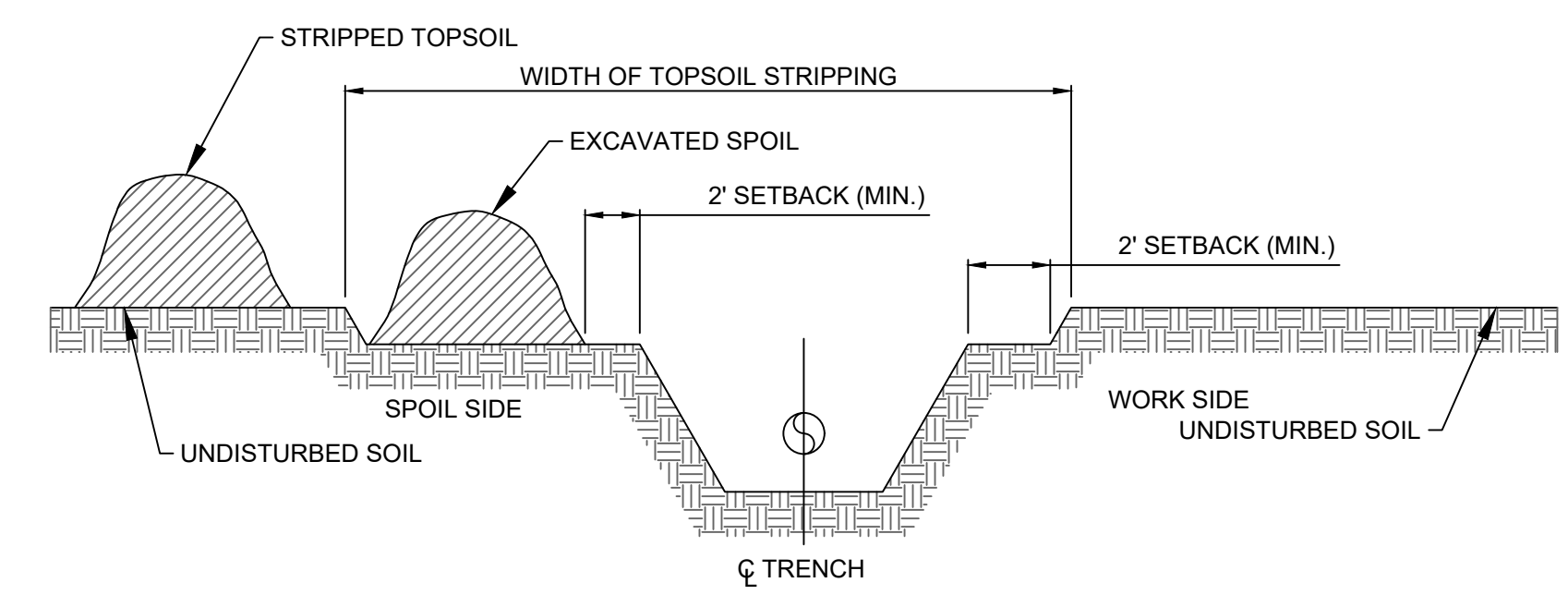


	DIKE A (5AC. OR LESS)	DIKE B (5-10AC.)
A - DIKE HEIGHT	18"	36"
B - DIKE WIDTH	24"	36"
C - FLOW WIDTH	48"	72"
D - FLOW DEPTH	8"	15"

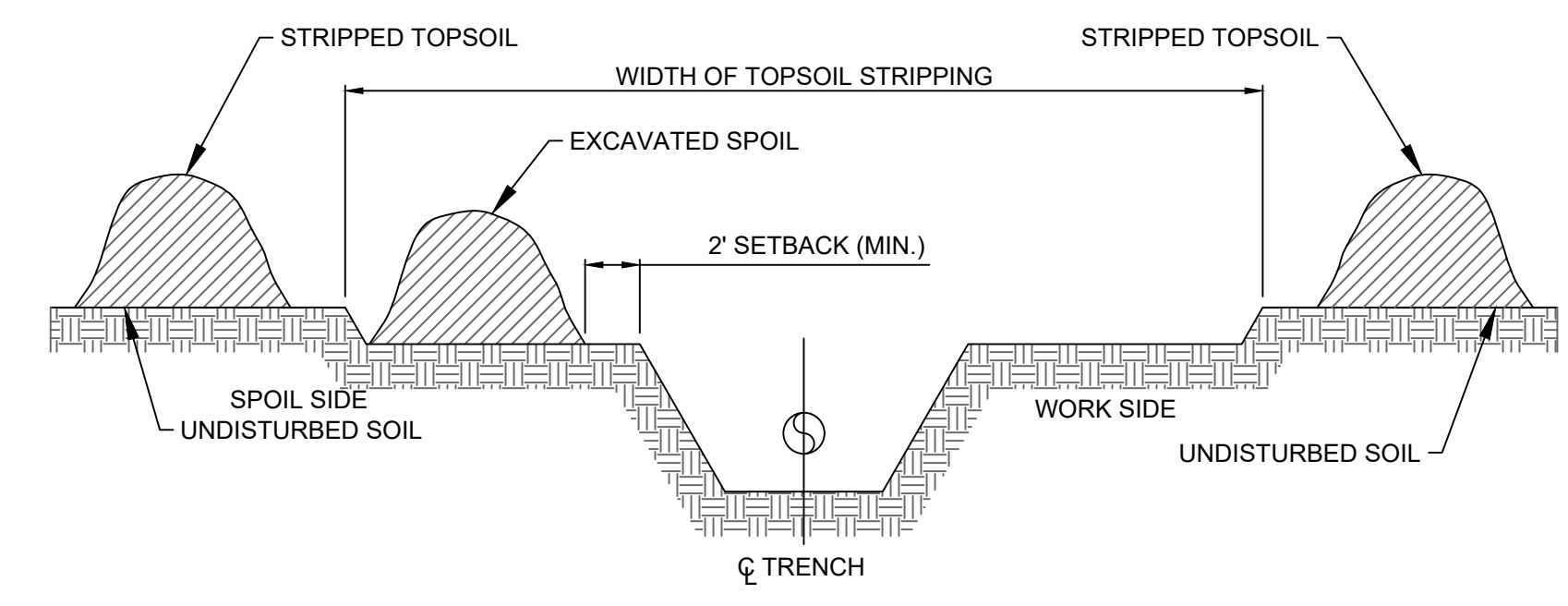


- NOTES:**
- DIKES SHALL BE COMPACTED TO NOT LESS THAN THE IN-SITU SOIL DENSITY.
 - PROVIDE POSITIVE DRAINAGE TO AN APPROVED, STABILIZED OUTLET.
 - TOP WIDTH MAY BE WIDER AND SIDE SLOPES FLATTER AS REQUIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
 - FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED OUTLET.
 - EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN.
 - PROVIDE FLOW CHANNEL STABILIZATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016)".

TYPICAL EARTH DIKE DETAIL
SCALE: N.T.S.



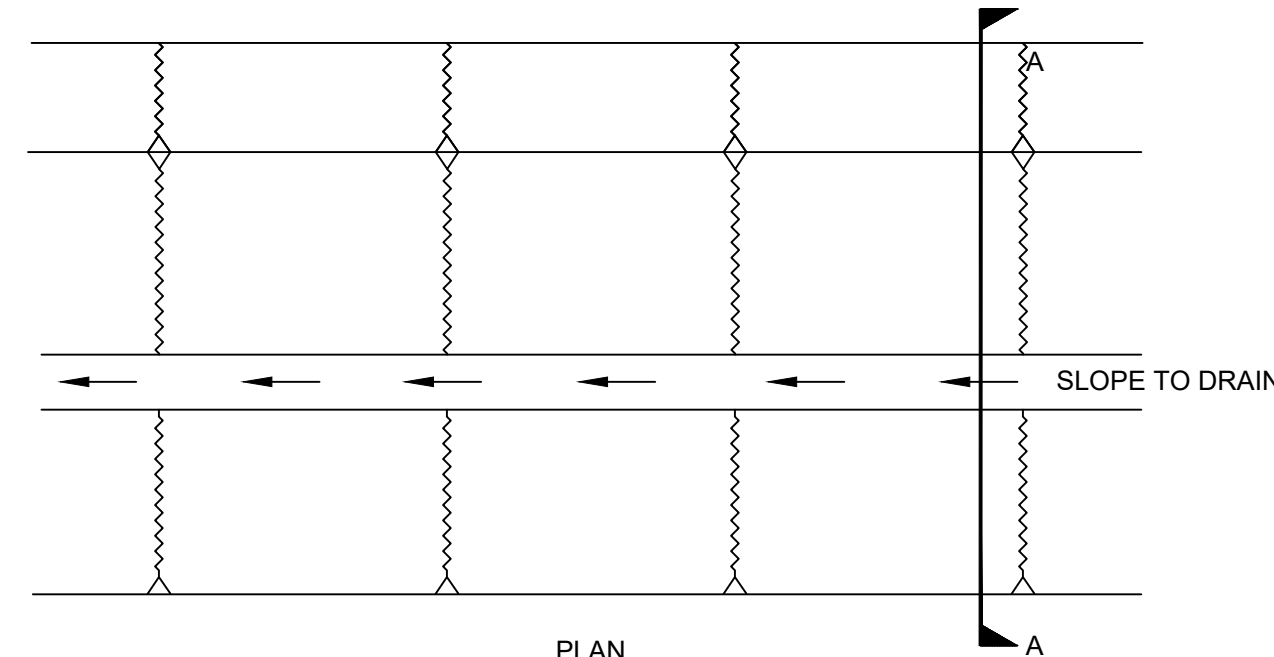
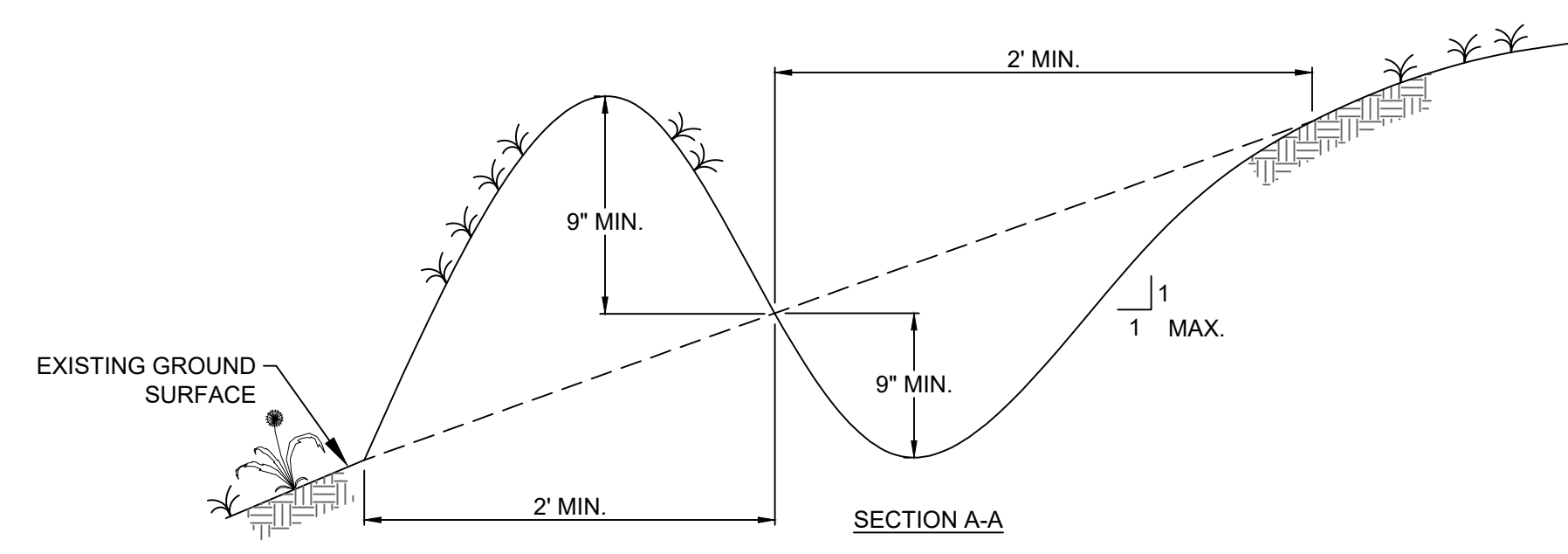
DITCH PLUS SPOILSIDE TOPSOIL SEGREGATION



FULL WIDTH TOPSOIL STRIPPING

- NOTES:**
- TOPSOIL MAY BE IN LOCATIONS AS SHOWN ABOVE, OR AT OTHER APPROVED LOCATIONS.
 - LEAVE GAPS IN SPOIL PILES FOR WATER RUN-OFF.
 - CONSTRUCTION R.O.W. MAY BE EXPANDED UP TO FULL R.O.W. WIDTH IN NON-WETLAND AREAS, FOR TOPSOIL SALVAGE.

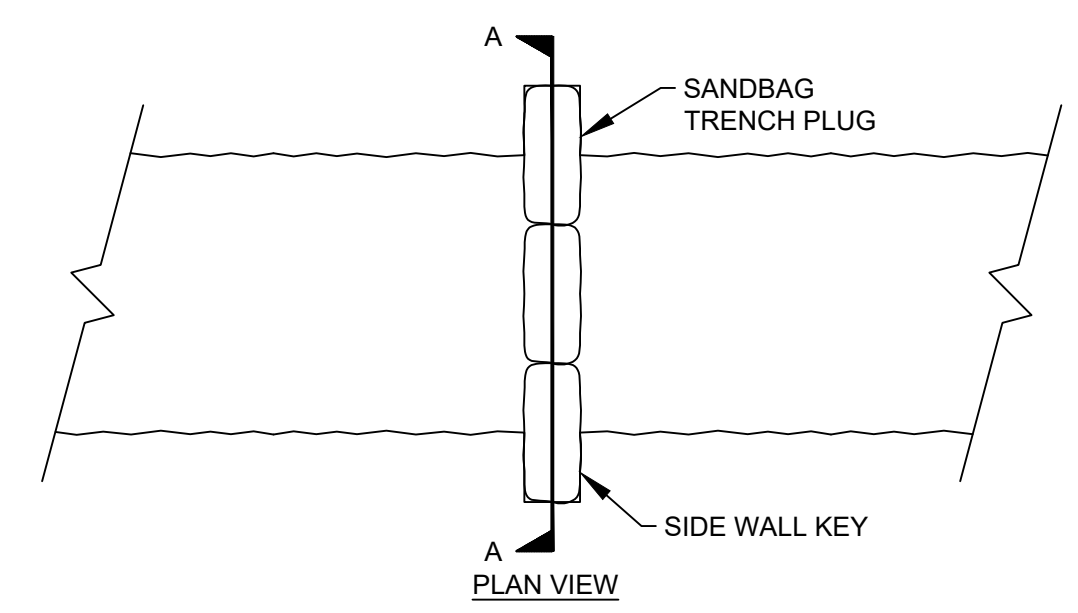
TOPSOIL SEGREGATION METHODS - COLLECTOR
SCALE: N.T.S.



- NOTES:**
- ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 - DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
 - THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL - 2016".
 - STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR THE TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 2 DAYS.
 - PROVIDE PERIODIC INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT= 2 ACRES

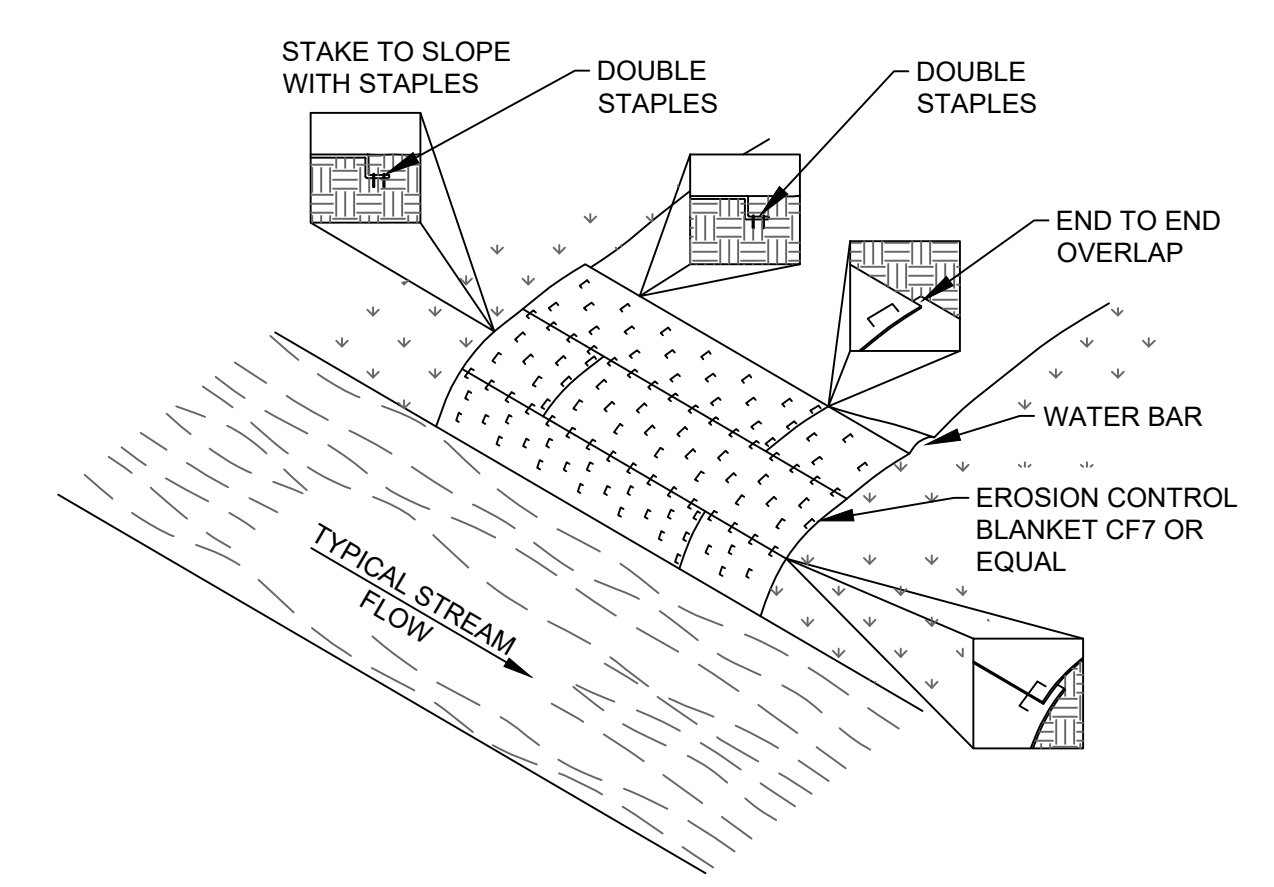
TYPICAL PERIMETER DIKE/SWALE
SCALE: N.T.S.



SECTION A

- NOTES:**
- AFTER TRENCH EXCAVATION, HAND DRESS BOTTOM OF TRENCH IN VICINITY OF PLANNED PLUG CONSTRUCTION.
 - EXCAVATE KEY INTO TRENCH SIDE WALL. EXCAVATE TO PROVIDE VERTICAL SURFACE NOT LESS THAN 6" INTO BANK.
 - CONSTRUCT SANDBAG TRENCH PLUG USING SANDBAGS FILLED WITH CLEAN, FINE SAND.
 - BACK FILL KEY WAY TO PROVIDE COMPACTED NATIVE SOIL AGAINST SANDBAGS.
 - BACK FILL TRENCH CONCURRENT WITH CABLE PLACEMENT. REMOVE SANDBAG TRENCH PLUG AS CABLE IS PLACED.
 - PROVIDE STREAM BED AND EMBANKMENT PROTECTION PER "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016.

TYPICAL TRENCH PLUG
SCALE: N.T.S.



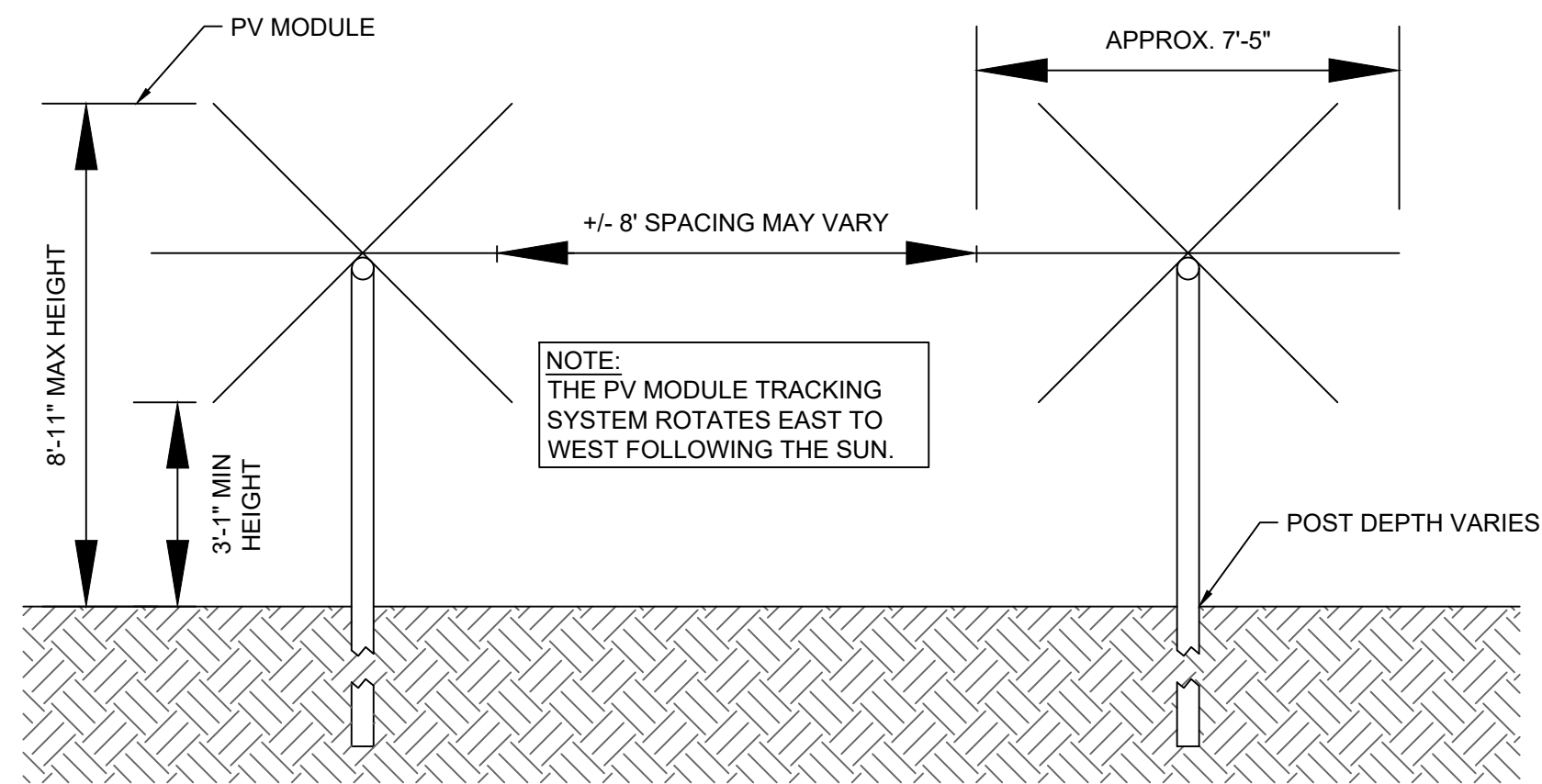
- NOTES:**
- EROSION CONTROL MATTING SHALL BE PLACED ON THE BANKS OF FLOWING STREAMS WHERE VEGETATION HAS BEEN REMOVED OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 - THE EROSION CONTROL MATTING SHALL MEET THE REQUIREMENTS SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016 AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 - STAPLES SHALL BE MADE OF 11 GAUGE WIRE, U-SHAPED WITH 6" LEGS AND A 1" CROWN. STAPLES SHALL BE DRIVEN INTO THE GROUND FOR THE FULL LENGTH OF THE STAPLE LEGS. ALTERNATELY 1" WOODEN PEGS 6" LONG AND BEVELED TO SECURE MATTING.
 - MATting SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS OR AS FOLLOWS:
 - THE TOP OF THE BLANKET SHALL EXTEND 2' PAST THE UPPER EDGE OF THE HIGH WATER MARK. IF A WATERBED IS PRESENT ON THE APPROACH SLOPE, THE BLANKET SHALL BEGIN ON THE UPHILL SIDE OF THE WATERBED.
 - INSTALL BLANKET(S) ACROSS THE SLOPE IN THE DIRECTION OF WATER FLOW.
 - ANCHOR ("KEY") THE UPSTREAM EDGE OF THE BLANKET(S) INTO THE SLOPE USING A 6" WIDE BY 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACK FILLING AND COMPACTING TRENCH.
 - ANCHOR ("KEY") THE UPPER EDGE OF THE BLANKET INTO THE SLOPE USING A 6" WIDE BY 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACK FILLING AND COMPACTING TRENCH.
 - THE EDGES OF PARALLEL BLANKETS SHALL BE OVERLAPPED A MINIMUM OF 6". THE UPPER BLANKET SHALL BE PLACED OVER THE LOWER BLANKET (SHINGLE STYLE) AND STAPLED EVERY 12" ALONG THE LENGTH OF THE EDGE.
 - WHEN BLANKET ENDS ARE TO ADJOINING BLANKETS, THE UPSTREAM BLANKET SHALL BE PLACED OVER THE DOWNSTREAM BLANKET (SHINGLE STYLE) WITH APPROXIMATELY 6" OF OVERLAP, STAPLE THROUGH THE OVERLAP AREA EVERY 12".
 - STAPLE DOWN THE CENTER OF THE BLANKET(S), THREE STAPLES IN EVERY SQUARE YARD.
 - IN LIVESTOCK AREAS WHERE EROSION CONTROL MATTING IS APPLIED TO STREAM BANKS, FENCING SHALL BE USED IF NECESSARY TO EXCLUDE LIVESTOCK, WITH PERMISSION OF THE LANDOWNER.
 - MONITOR FOR WASHOUTS, STAPLE INTEGRITY OR MAT MOVEMENT. REPLACE OR REPAIR AS NECESSARY.

TYPICAL STREAM BANK MATTING
SCALE: N.T.S.

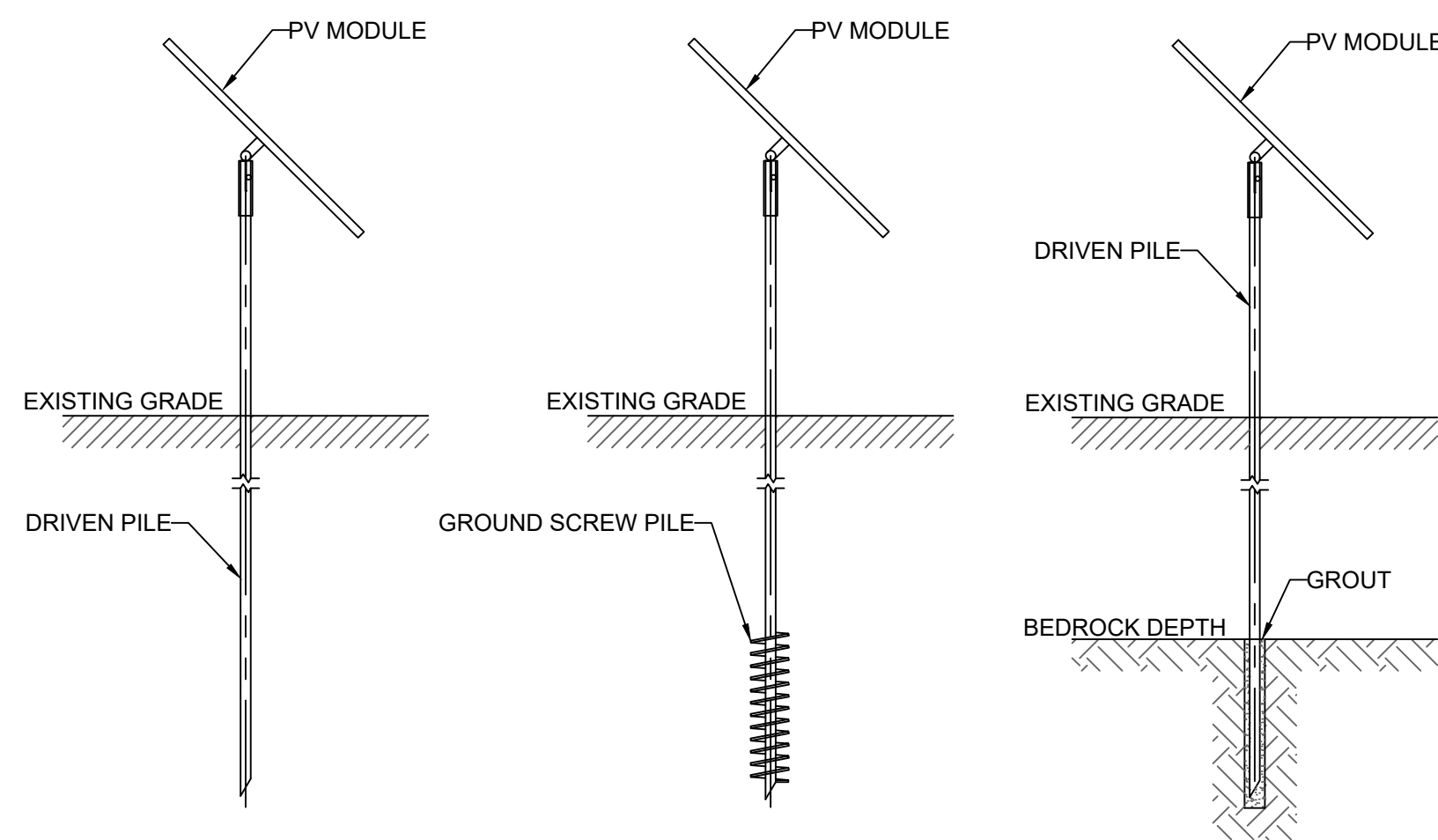


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NOT FOR CONSTRUCTION

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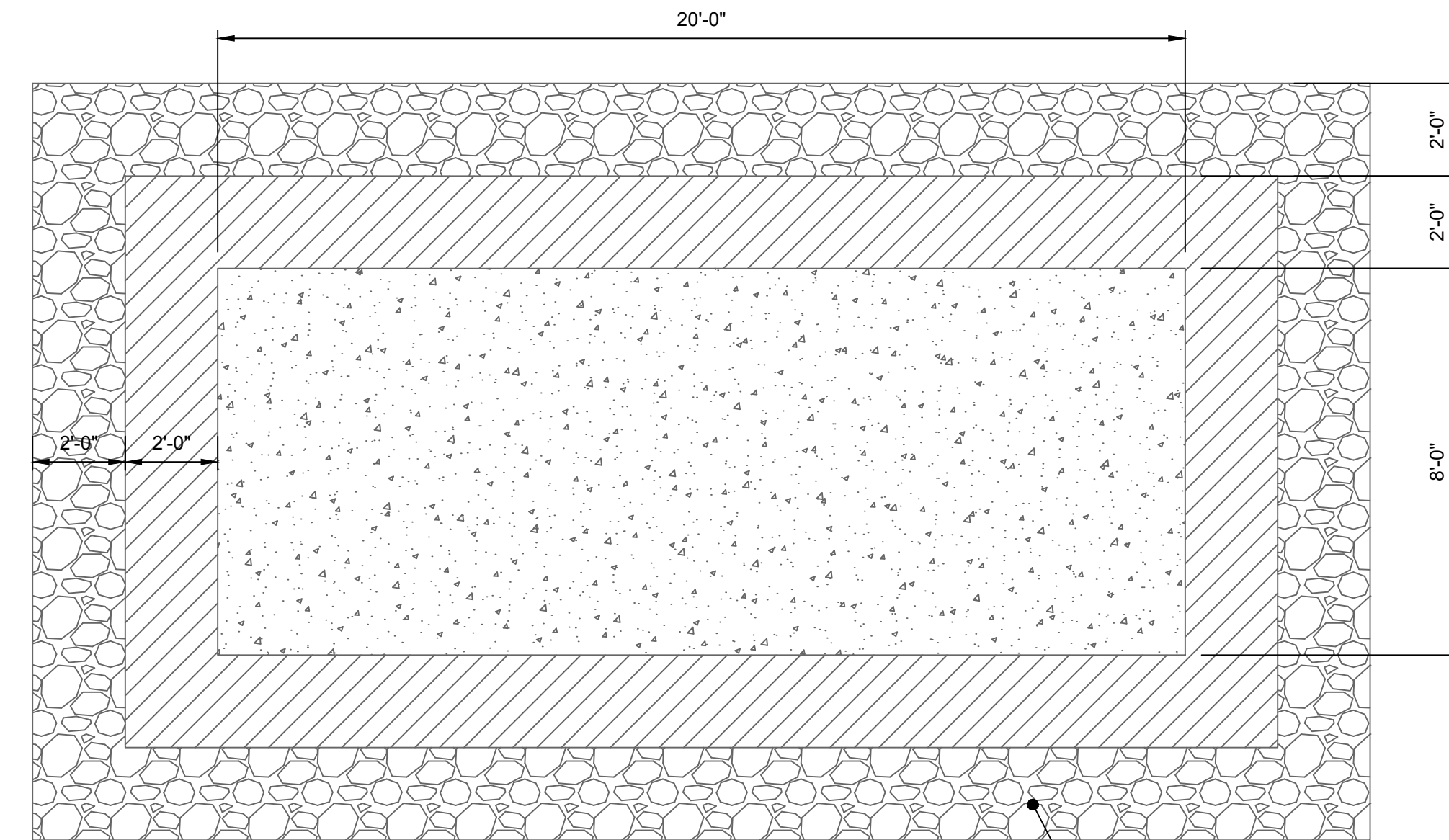


TRACKER RACK SECTION DETAIL
SCALE: N.T.S.

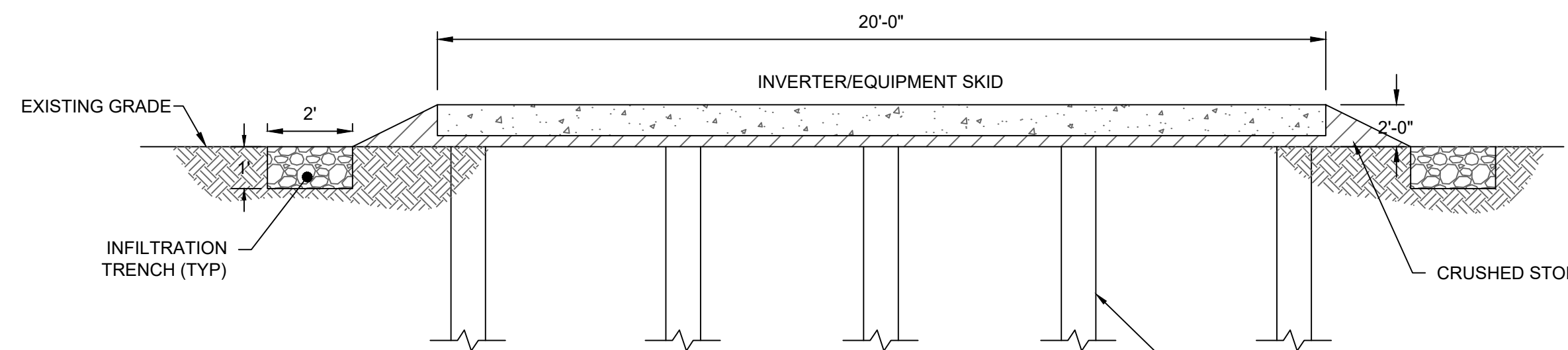


TYPICAL RACK FOUNDATION DETAILS
SCALE: N.T.S.

NOTE:
PILE STRATEGY SUBJECT TO
CHANGE IN FINAL DESIGN.

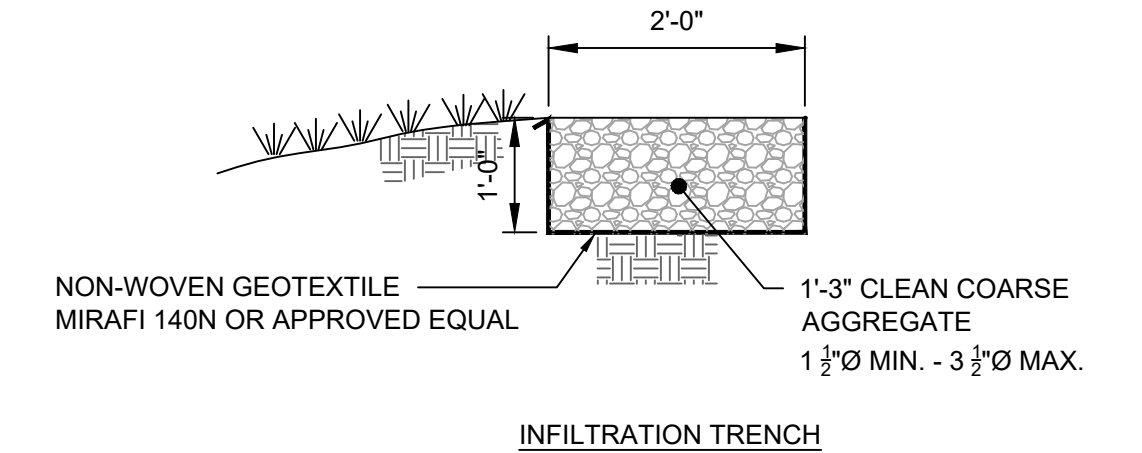


PLAN VIEW
INFILTRATION TRENCH



SECTION VIEW

NOTES:
1. EQUIPMENT SKID WILL BE SUPPORTED BY DRIVEN PILES.
DESIGN WILL BE COMPLETED DURING DETAILED DESIGN PHASE.
2. TOP OF CONCRETE SHALL BE 1 FOOT (MIN.) ABOVE THE
100-YEAR BASE FLOOD ELEVATION.



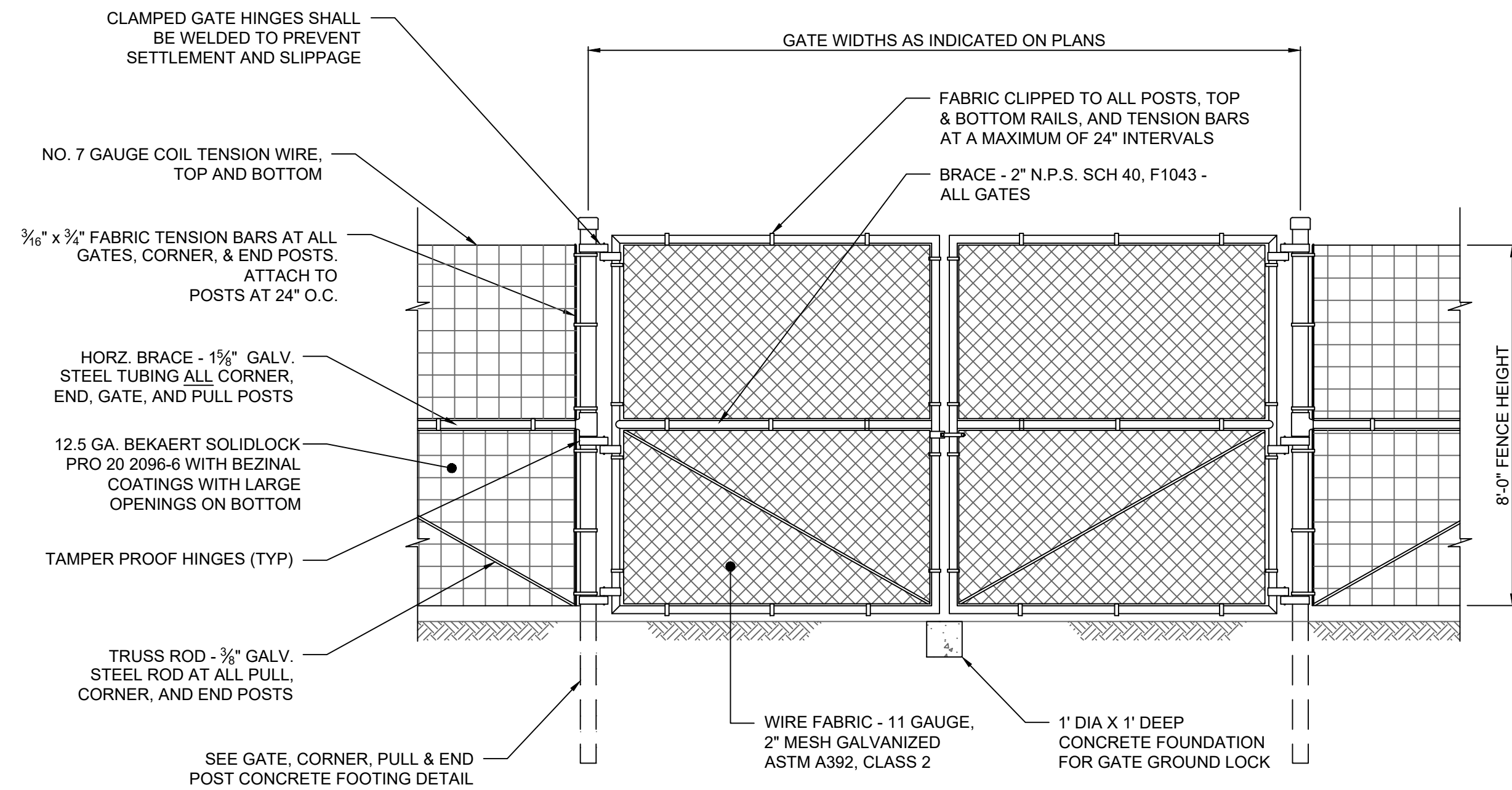
INFILTRATION TRENCH

TYPICAL INVERTER/TRANSFORMER SKID
SCALE: N.T.S.



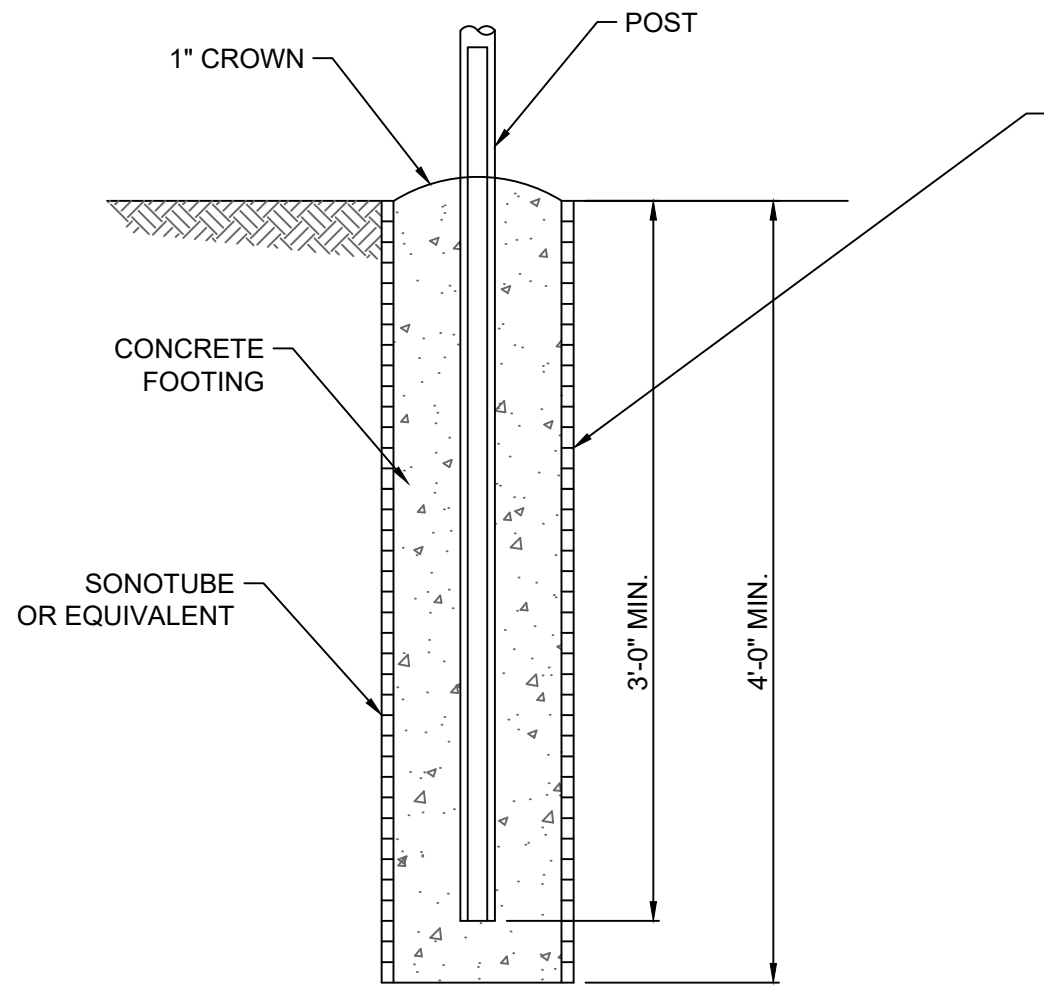
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ALL GATES SHALL BE EQUIPPED WITH A KNOX BOX OR APPROVED EQUAL. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING TO THE ENGINEER AND LOCAL FIRE AUTHORITY FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT.

SWING GATE FRAME
NOT TO SCALE



POSTS SHALL BE STEEL PIPE, ASTM F1083 STANDARD WEIGHT. POSTS SHALL BE DRIVEN 6" INTO UNDISTURBED SUBGRADE SOIL FOR LINE POSTS OR SET IN 2'-0" DIA. X 5' MIN DEEP CONCRETE FOR CORNER AND GATE POST.

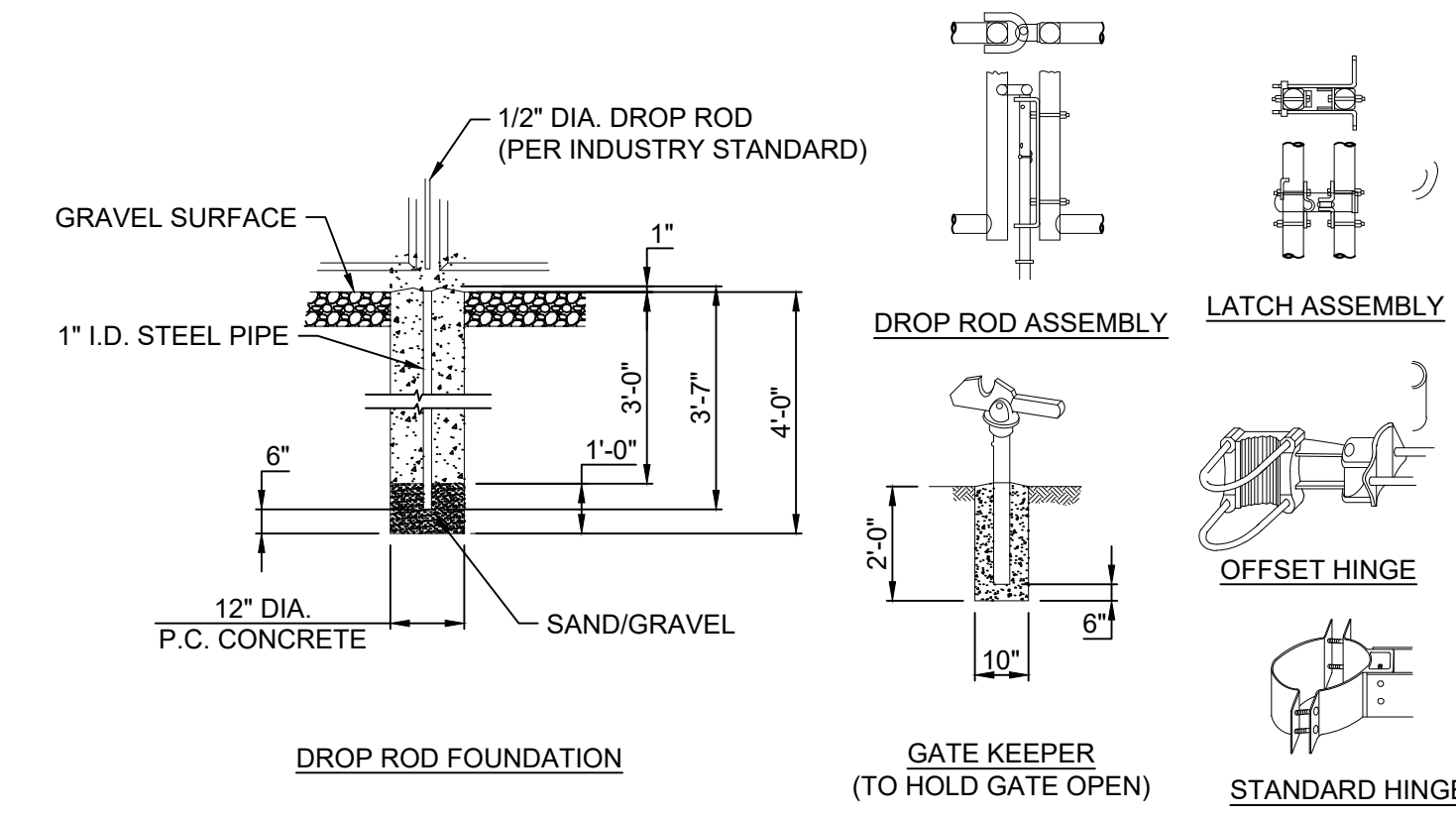
- LINE POSTS - 1 1/2" SCH 40 (O.D. = 1 7/8")
- GATE POSTS - 3 1/2" SCH 40 (O.D. = 4")
- CORNER AND PULL POSTS - 2" SCH 40 (O.D. = 2 3/8")

POST USE	GATE	CORNER	PULL	END
NOMINAL PIPE SIZE (INCHES)	4	2 3/8	2 3/8	2 3/8
SONOTUBE SIZE (INCHES)	12	12	12	12

FOOTING NOTES:

- UNLESS OTHERWISE INDICATED, FENCE POST SIZES ARE INDUSTRY STANDARD NOMINAL SIZES IN ACCORDANCE WITH ASTM F 1083, GALVANIZED STEEL PIPE.
- BACKFILL SONOTUBE WITH MIN. 3,000 PSI CONCRETE.
- ALL CONCRETE SHALL BE SINGLE POUR TO FINAL GRADE.
- WHEN INSTALLING POSTS IN CLAY:
 - POST HOLE DEPTH SHALL BE INCREASED TO 6 FEET.
 - BACKFILL 4 FEET WITH CONCRETE.
 - BACKFILL FINAL 2 FEET WITH NATIVE SOIL.
- WHEN INSTALLING POSTS IN LEDGE, CORE AND GROUT POSTS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- LINE POSTS SHALL BE DRIVEN TO A DEPTH OF 6 FEET BELOW GRADE, AND NOT SET IN CONCRETE.

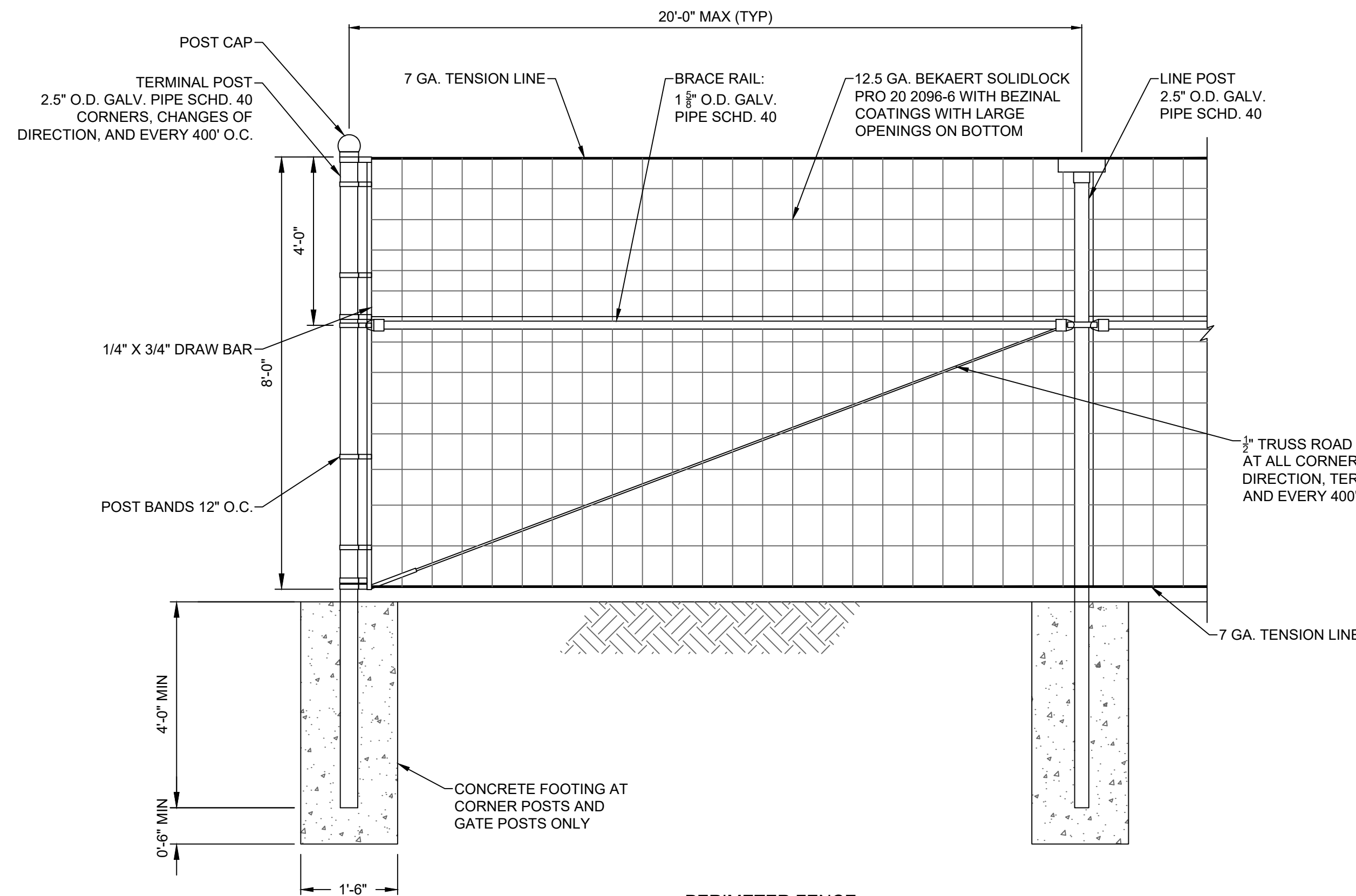
GATE, END, BRACE & CORNER POST CONCRETE FOOTING DETAIL
NOT TO SCALE



ACCESS GATE DETAILS
NOT TO SCALE

GENERAL FENCING NOTES:

- ALL ITEMS SHALL BE GALVANIZED AND ZINC COATED TO ASTM SPECIFICATIONS, INCLUDING ALL POSTS, RAILS, GATES, AND HARDWARE.
- GATE FENCE FABRIC SHALL BE MOUNTED INSIDE THE FRAME.
- ALL SWING GATE OPENINGS SHALL BE 24 FEET UNLESS OTHERWISE SPECIFIED.
- SWING GATES SHALL BE CONSTRUCTED WITH DROP RODS, PADLOCKS, LATCH ASSEMBLY, GATE KEEPERS, AND KNOX BOX.
- BOLTS AND HINGES SHALL BE OF A TAMPER-PROOF TYPE.
- EXPOSED BOLTS AND NUTS SHALL BE SPOT WELDED.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL FENCE AND GATE REQUIREMENTS



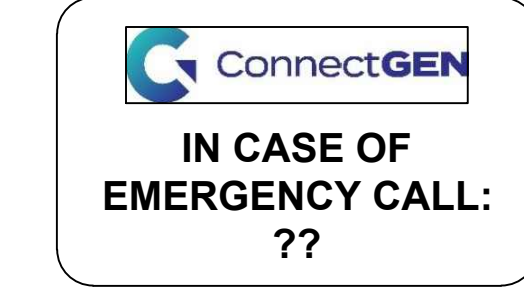
PERIMETER FENCE
NOT TO SCALE

FENCING NOTES:

- FENCING CONTRACTOR TO DESIGN AND INSTALL FENCE PER LOCAL REQUIREMENTS AND/OR RECOMMENDED PRACTICE FOR ALL COMPONENTS NOT SPECIFICALLY CALLED OUT.
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL EXISTING SITE CONDITIONS AND WITH DESIGN DOCUMENTS PROVIDED BY THE VARIOUS DESIGN PROFESSIONALS INVOLVED IN THIS PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS, AND SPATIAL RELATIONSHIPS SHOWN ON THESE DRAWINGS IN CONJUNCTION WITH ALL OTHER RELATED DESIGN DRAWINGS. ANY DISCREPANCIES, CONFLICTS, OR OMISSIONS FOUND SHALL BE REPORTED TO THE ENGINEER AND OTHER DESIGN PROFESSIONALS AS APPROPRIATE FOR RESOLUTION PRIOR TO PROCEEDING WITH ANY WORK ON THE PROJECT.
- THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS, INCLUDING SHOP DRAWINGS, AND VERIFY CORRECTNESS OF THEM PRIOR TO SUBMISSION TO OWNER.
- ALL STEEL SHALL BE GALVANIZED PER ASTM A123 UNLESS CORROSION ANALYSIS REPORT RECOMMENDS ADDITIONAL CORROSION PROTECTION.
- FOUNDATION CONCRETE SHALL MEET NEW YORK DOT SPECIFICATIONS FOR CLASS A3 CONCRETE.
- FACILITY LAYOUT RELATIVE TO THE PROJECT WETLANDS AND BOUNDARY SHALL BE CONFIRMED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION.
- FENCE POSTS IN WETLANDS SHALL BE DRIVEN AND NOT INCLUDE A CONCRETE FOOTING.



- NOTES:**
- DIMENSIONS: 18" X 12".
 - SIGNS SHALL BE 0.040" (MIN.) RUST-FREE ALUMINUM.
 - ATTACH TO OUTSIDE OF PERIMETER FENCE EVERY 200' MAX.

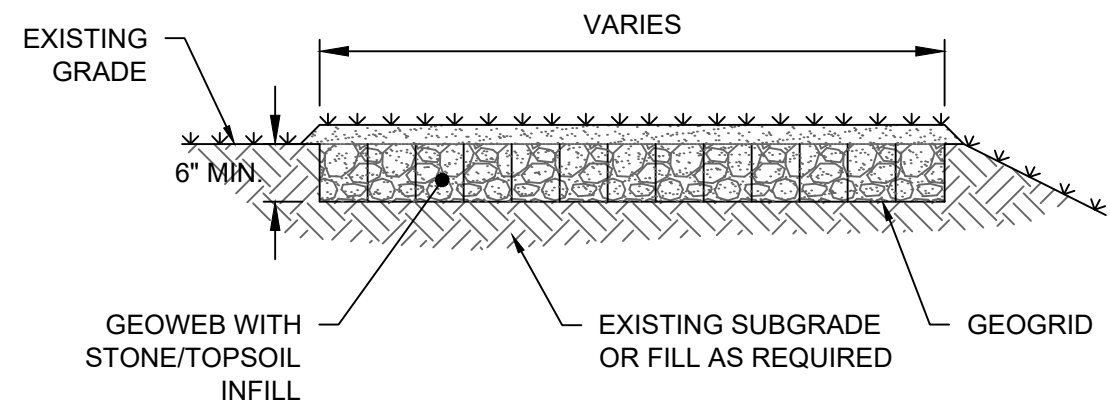
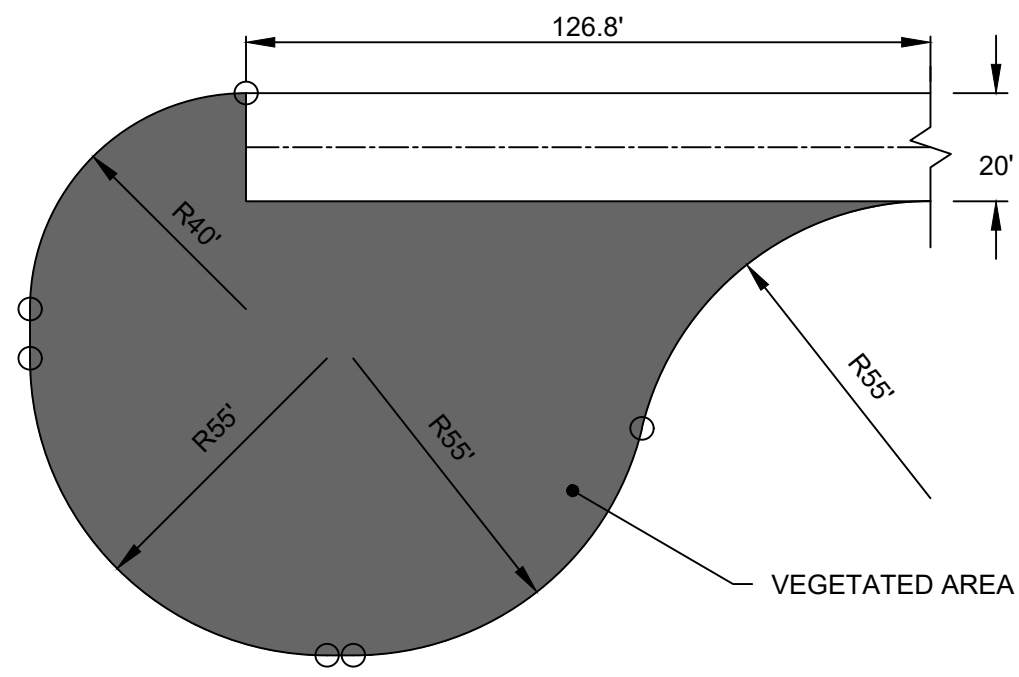


- NOTES:**
- DIMENSIONS: 18" X 12".
 - SIGNS SHALL BE 0.040" (MIN.) RUST-FREE ALUMINUM.
 - ATTACH TO ACCESS GATES.



PRELIMINARY
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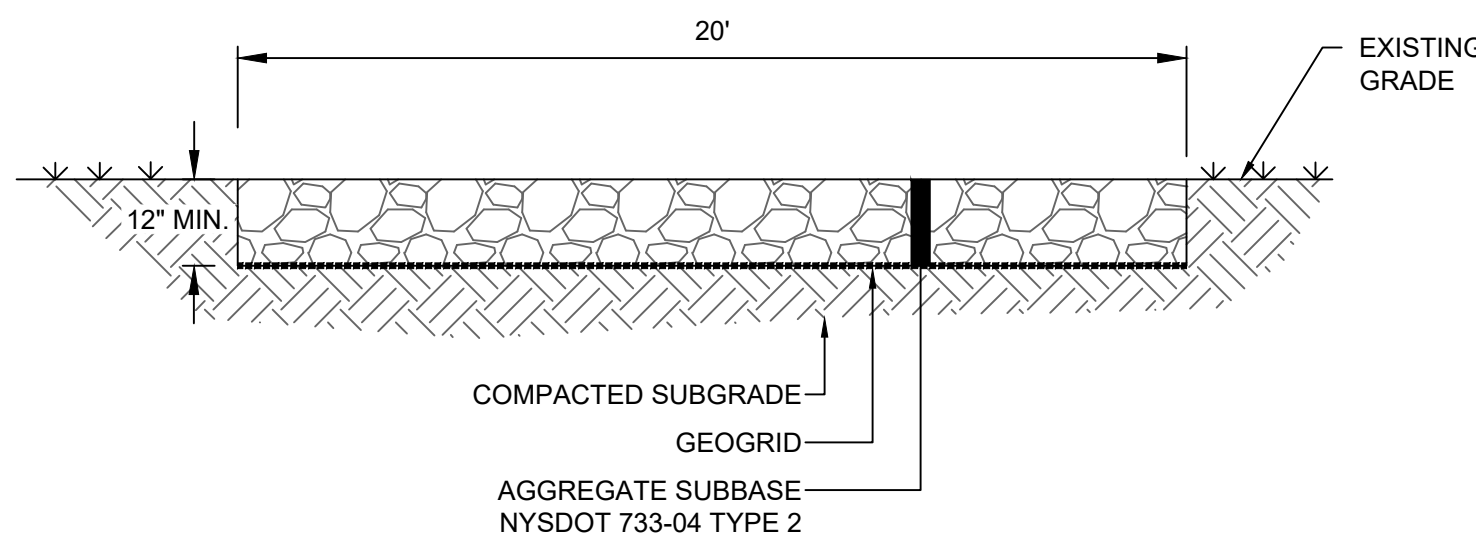
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NOTES:

1. RAISE SUBGRADE TO ELEVATION AS REQUIRED BY DESIGN DRAWINGS.
2. COMPACT TO 95% MAXIMUM DRY DENSITY PER ASTM D1557.
3. INSTALL GEOGRID AND GEOWEB IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
4. GEOGRID SHALL BE TENSAR NX850 OR APPROVED EQUAL.
5. CELLULAR CONFINEMENT SYSTEM SHALL BE GEOWEB GW30V OR APPROVED EQUAL. MINIMUM CELL DEPTH SHALL BE 6".
6. CELL INFILL MATERIAL SHALL BE A MIX OF CRUSHED STONE NYSDOT ITEM 703-02, SIZE DESIGNATION 2 OF TABLE 703-4 AND SCREENED TOPSOIL IN AN APPROXIMATE RATIO OF 2/3 STONE AND 1/3 TOPSOIL.
7. PLACE INFILL MATERIAL INTO CELLS AND TRACK UNTIL CELLS ARE FILLED AND SETTLEMENT OF INFILL IS NEGLIGIBLE.
8. UPON COMPLETION OF SITE CONSTRUCTION AND EQUIPMENT DELIVERY, TOP WITH 2" - 3" ADDITIONAL TOPSOIL, APPLY SEED MIX, AND STABILIZE WITH EROSION CONTROL BLANKET. SEED MIX SHALL BE AS SPECIFIED IN FINAL STABILIZATION SEED MIX TABLE ON SHEET MPS-C-100-03.

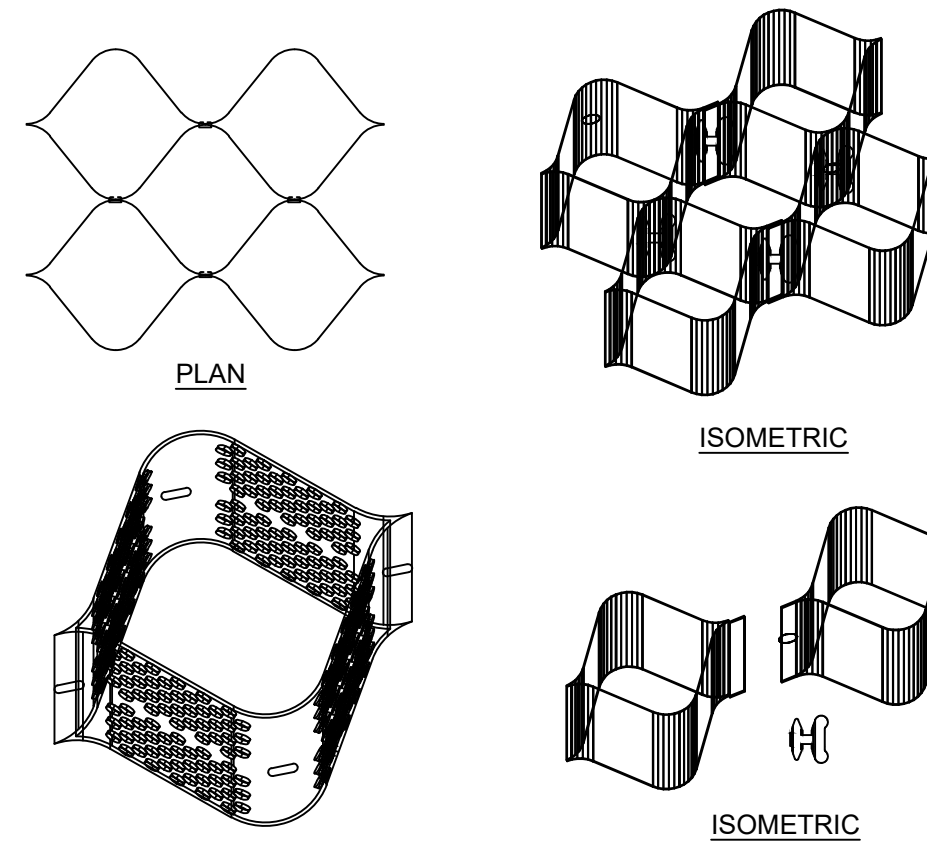
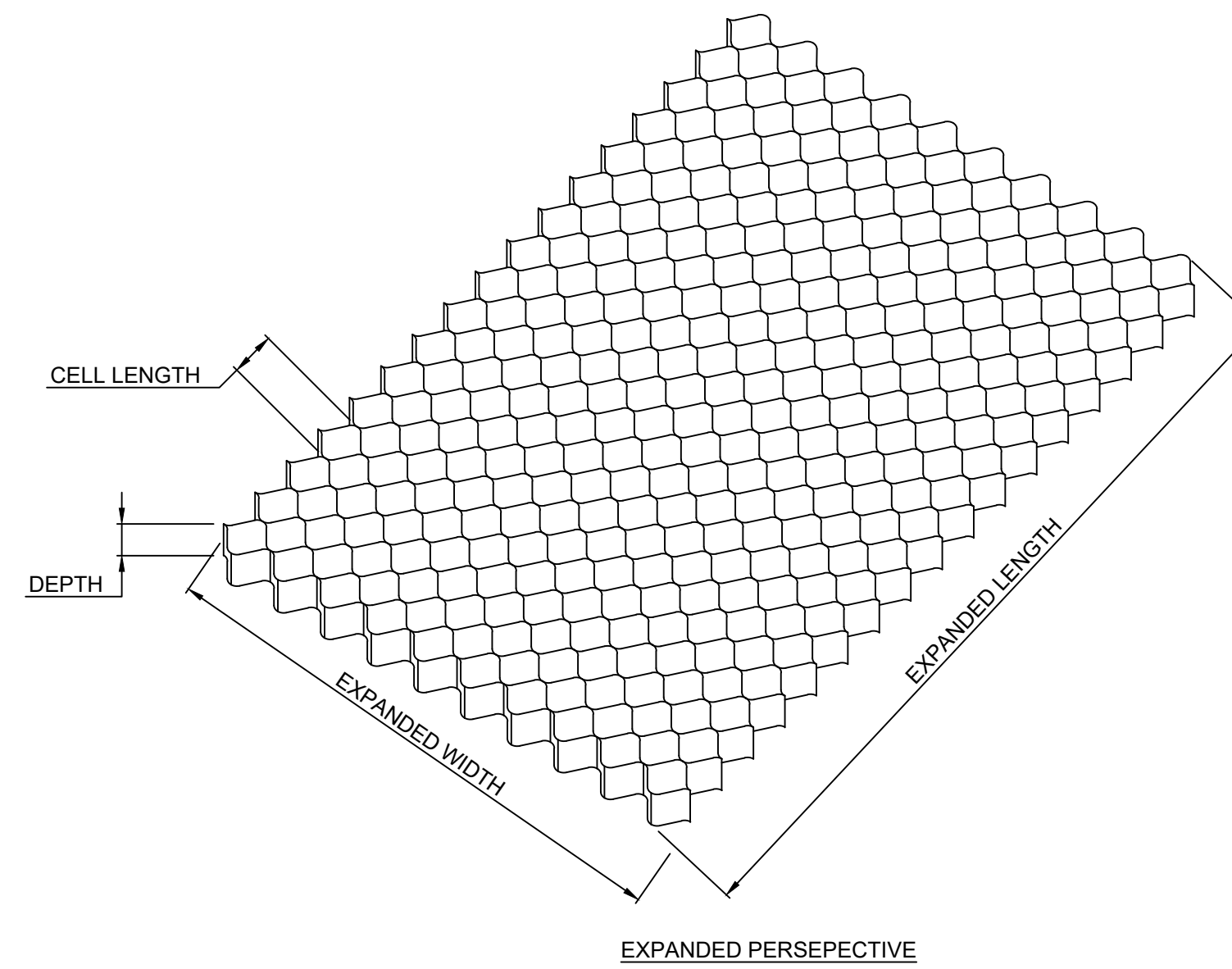
TYPICAL VEGETATED TURN AROUND
SCALE: N.T.S.



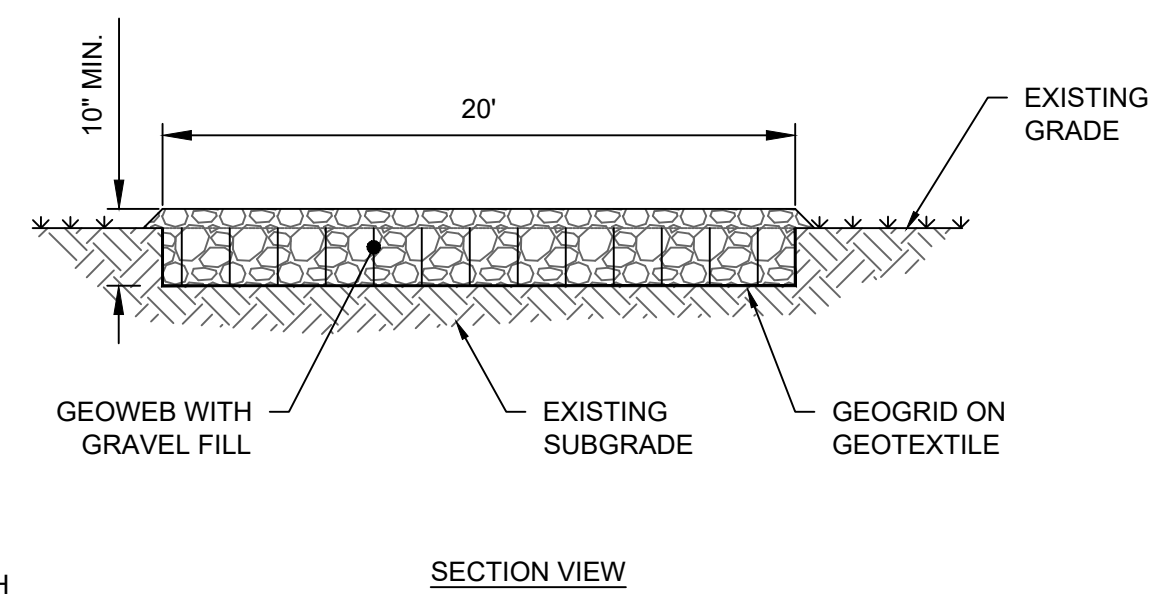
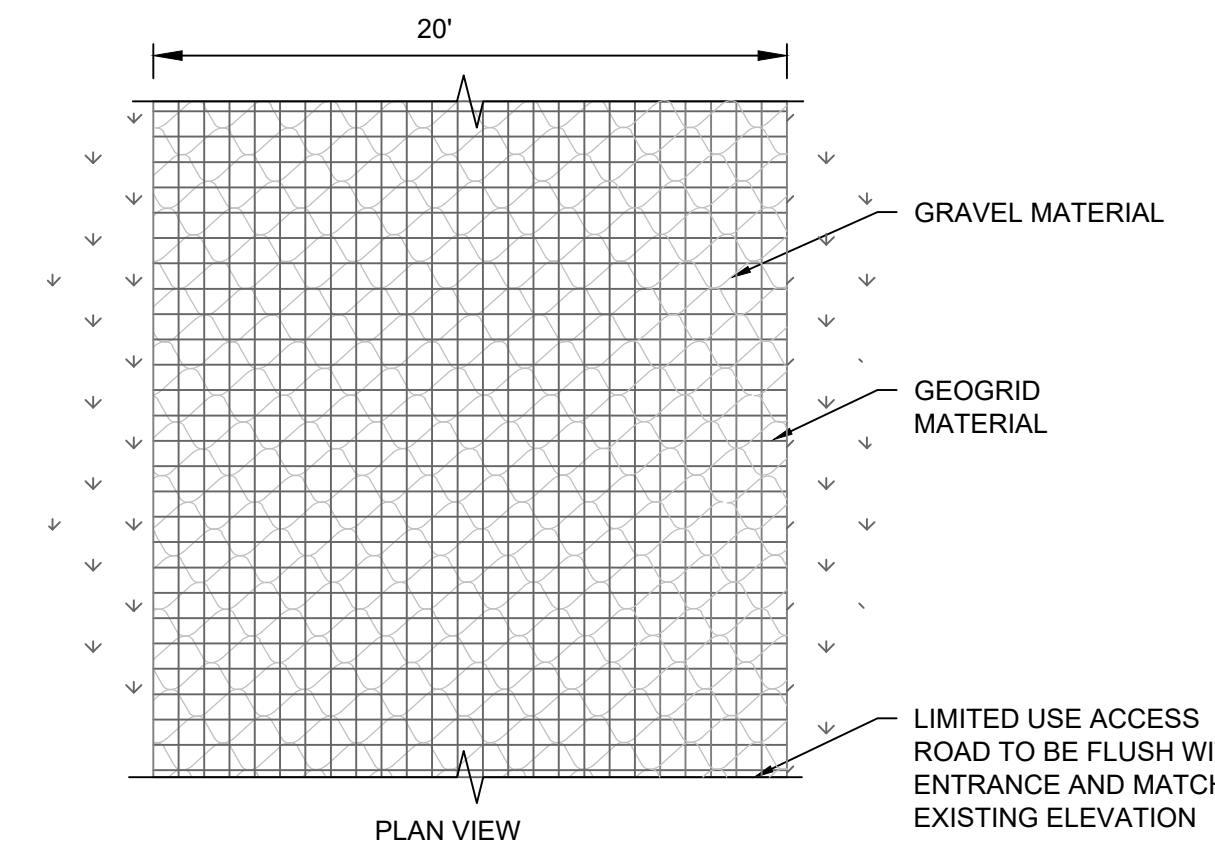
NOTES:

1. GEOGRID SHALL BE TENSAR NX850 OR APPROVED EQUAL.
2. CONTRACTOR SHALL INCREASE THE DEPTH OF AGGREGATE AS REQUIRED TO ACCOUNT FOR VARYING SUBGRADE SOIL STRENGTH ACROSS THE PROJECT SITE.
3. IN AREAS OF VERY WEAK SOILS A NON-WOVEN GEOTEXTILE MAY BE USED UNDER THE GEOGRID. GEOTEXTILE SHALL BE MIRAFI 140N OR APPROVED EQUAL.
4. COMPACT SUBGRADE TO 95% MAXIMUM DRY DENSITY PER ASTM D1557.

GRAVEL ACCESS ROAD TYPICAL SECTION
SCALE: N.T.S.



CELLULAR CONFINEMENT SYSTEM - GEOWEB



USE OF STABILIZED ACCESS ROAD:

1. APPLICATION 1: STABILIZED ACCESS ROAD SECTION SHALL BE CONSTRUCTED AS A STABILIZATION METHOD AT NATURAL LOW POINTS OF THE ACCESS ROADS AND TERRAIN, WHERE CULVERT INSTALLATION IS IMPRACTICAL DUE TO LIMITED COVER AND RUNOFF MAY FLOW ACROSS THE ACCESS ROAD. LOCATIONS ARE INDICATED ON THE PLANS. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-3" CLEAN, WASHED, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-0201, SIZE DESIGNATION 3 OR 4A OF TABLE 703-4. THE OPEN-GRADED STONE WILL ALLOW LOW FLOWS TO PASS THROUGH THE ROAD MATERIAL WHILE HIGHER FLOWS WILL PASS OVER THE ROAD. THE CELLULAR CONFINEMENT SYSTEM (GEOWEB) WILL MINIMIZE EROSION OF THE ROAD MATERIAL.
2. APPLICATION 2: STABILIZED ACCESS ROADS SHALL BE CONSTRUCTED IN AREAS WHERE THE SLOPE OF THE ROAD EXCEEDS 8%. GEOTEXTILE IS TYPICALLY NOT REQUIRED FOR THIS SPECIFIC APPLICATION. THE GEOWEB WILL HOLD THE ROAD MATERIAL IN PLACE UNDER TRAFFIC LOADS. GRAVEL FILL MATERIAL SHALL BE NYSDOT AGGREGATE SUBBASE 733-04 TYPE 2.
3. APPLICATION 3: STABILIZED ACCESS ROADS SHALL BE CONSTRUCTED IN AREAS WITH SOFT OR PLACID SOILS, WHERE ADDITIONAL STRUCTURAL SUPPORT IS NEEDED TO SUPPORT TRAFFIC LOADS. GRAVEL FILL MATERIAL SHALL BE NYSDOT AGGREGATE SUBBASE 733-04 TYPE 2. GEOTEXTILE IS REQUIRED FOR THIS APPLICATION.

CONSTRUCTION:

1. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
2. REMOVED TOPSOIL SHALL BE STOCKPILED FOR LATER USE OR SPREAD OVER ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
3. PREPARE SUBGRADE AS NEEDED TO ACHIEVE LINES AND GRADES SHOWN ON CONSTRUCTION PLANS.
4. REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER OR ENVIRONMENTAL INSPECTOR. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
5. ROADWAY WIDTH TO BE INSTALLED AS SHOWN ON PLANS.
6. INSTALL GEOTEXTILE, GEOGRID, AND/OR GEOWEB AS NEEDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

GEOGRID MATERIAL NOTES:

1. GEOGRID, OR APPROVED EQUIVALENT PRODUCT, SHALL BE USED FOR ALL CONDITIONS IN ORDER TO PROVIDE STRUCTURAL SUPPORT TO ROAD MATERIALS.
2. GEOGRID SHALL BE TENSAR NX850 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
3. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
4. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.

GEOWEB MATERIAL NOTES:

1. CELLULAR CONFINEMENT SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB GW30V, OR APPROVED EQUIVALENT PRODUCT. MINIMUM CELL DEPTH SHALL BE 8".
2. INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. GRAVEL FILL MATERIAL SHALL CONSIST OF CLEAN, WASHED, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3 OR 4A OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
4. THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS.

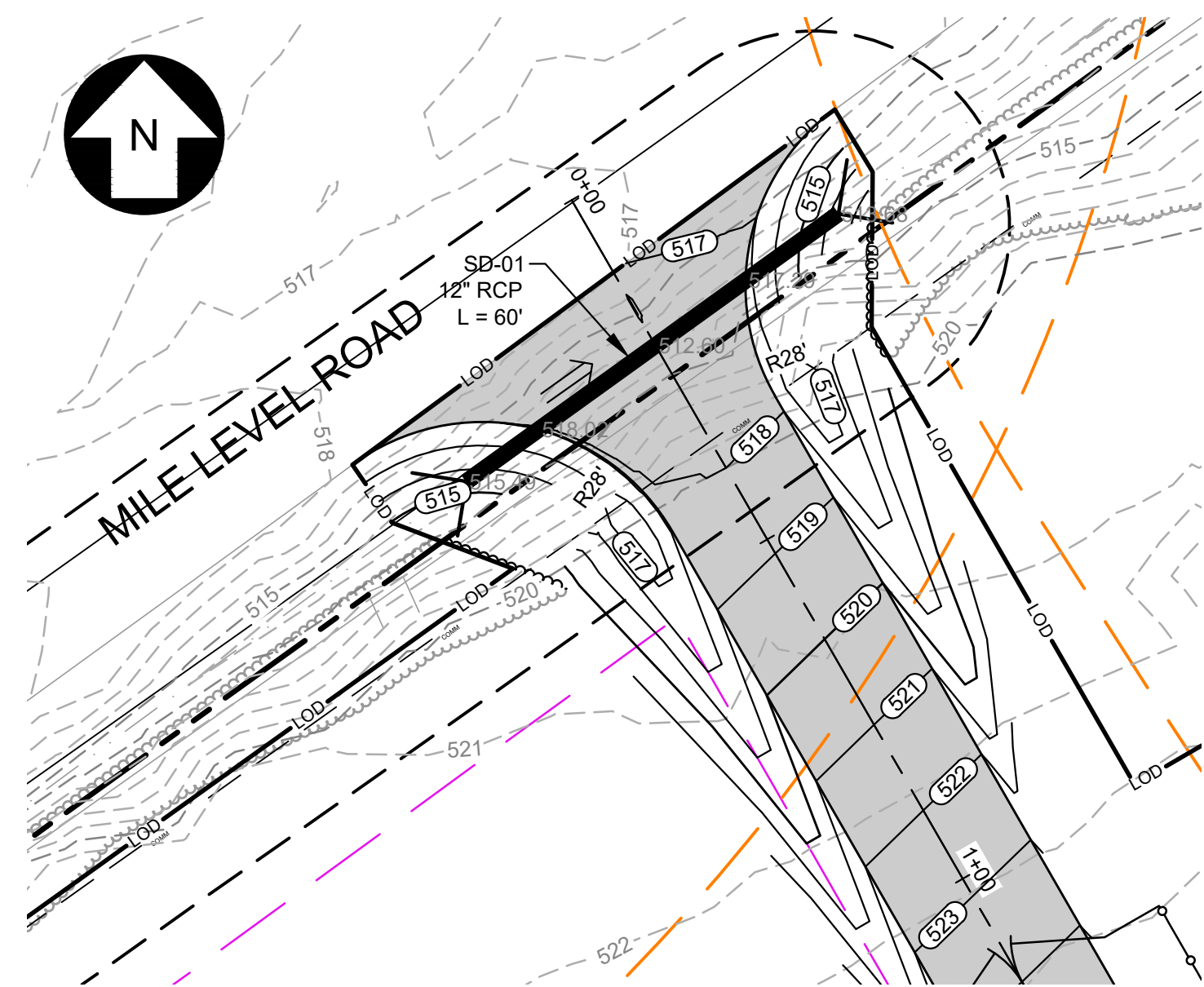
WOVEN GEOTEXTILE MATERIAL NOTES:

1. GEOTEXTILE SHALL BE RS280I OR APPROVED EQUIVALENT.
2. SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS, OR AS DIRECTED BY PROJECT ENGINEER OR ENVIRONMENTAL INSPECTOR.

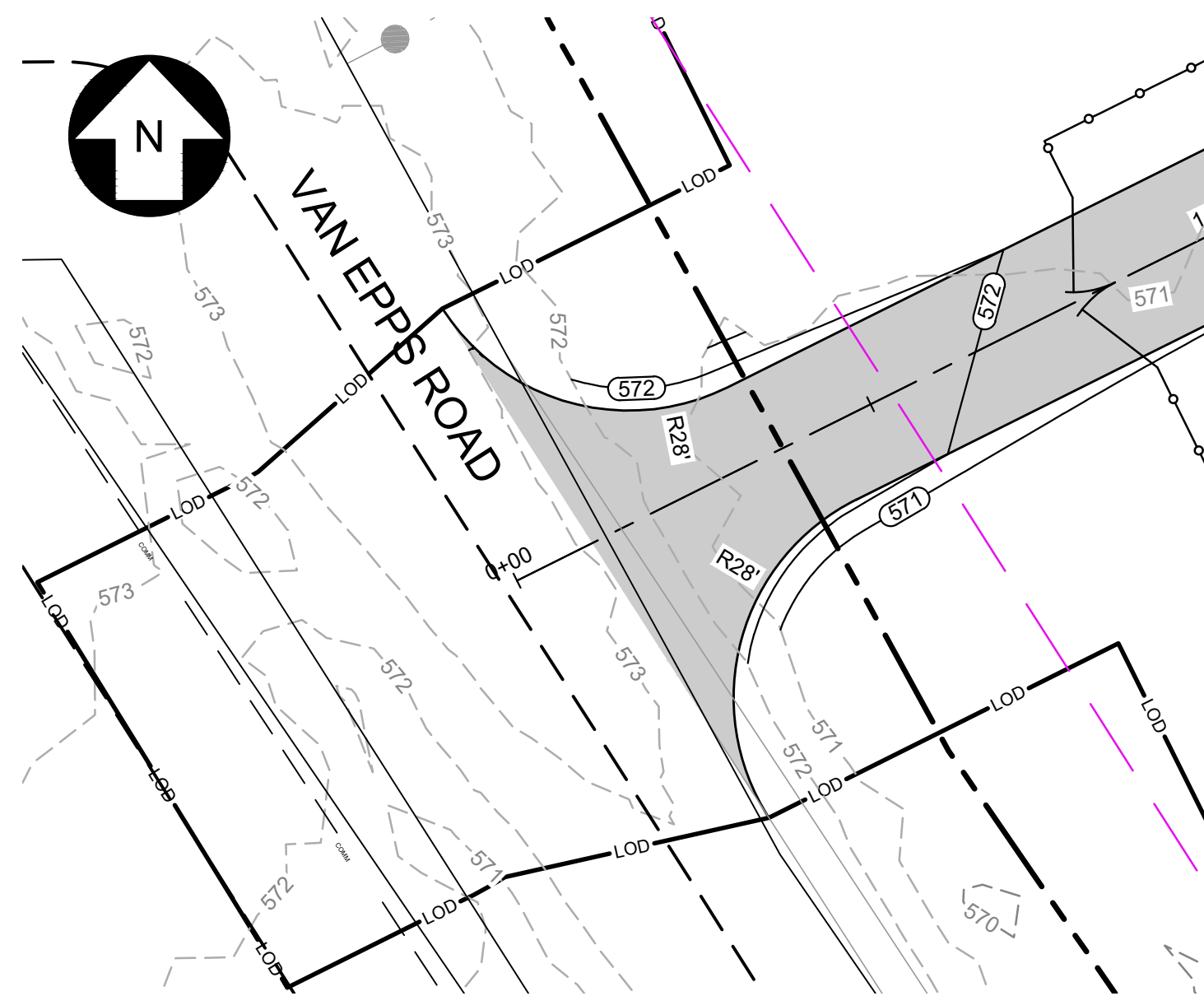
STABILIZED PERVIOUS ACCESS ROAD
SCALE: N.T.S. **PRELIMINARY**
NOT FOR CONSTRUCTION

<p>249 Western Avenue Augusta, ME 04330</p>	PROJECT NO: 443269					CMW DESIGNED CMW DRAWN PMM CHECKED APPROVED	MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC ACCESS ROAD DETAILS		GLEN NEW YORK																									
	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DES</th> <th>CHK</th> <th>APP</th> </tr> </thead> <tbody> <tr> <td>D</td> <td>RE-ISSUED FOR 94-C DEFICIENCY SUPPLEMENT</td> <td>07/25/2024</td> <td>CMW</td> <td>PMM</td> <td>PMM</td> </tr> <tr> <td>C</td> <td>REVISED PER ORES REVIEW COMMENTS</td> <td>06/28/2024</td> <td>CMW</td> <td>PMM</td> <td>PMM</td> </tr> <tr> <td>B</td> <td>ISSUED FOR 94-C DEFICIENCY SUPPLEMENT</td> <td>05/31/2024</td> <td>CMW</td> <td>PMM</td> <td>PMM</td> </tr> <tr> <td>A</td> <td>ISSUED FOR 94-C</td> <td>01/15/2024</td> <td>CMW</td> <td>PMM</td> <td>PMM</td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE		DES	CHK	APP		D	RE-ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	07/25/2024	CMW	PMM	PMM	C	REVISED PER ORES REVIEW COMMENTS	06/28/2024	CMW	PMM	PMM	B	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	05/31/2024	CMW	PMM	PMM	A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM	REVIEW 1 REVIEW 2
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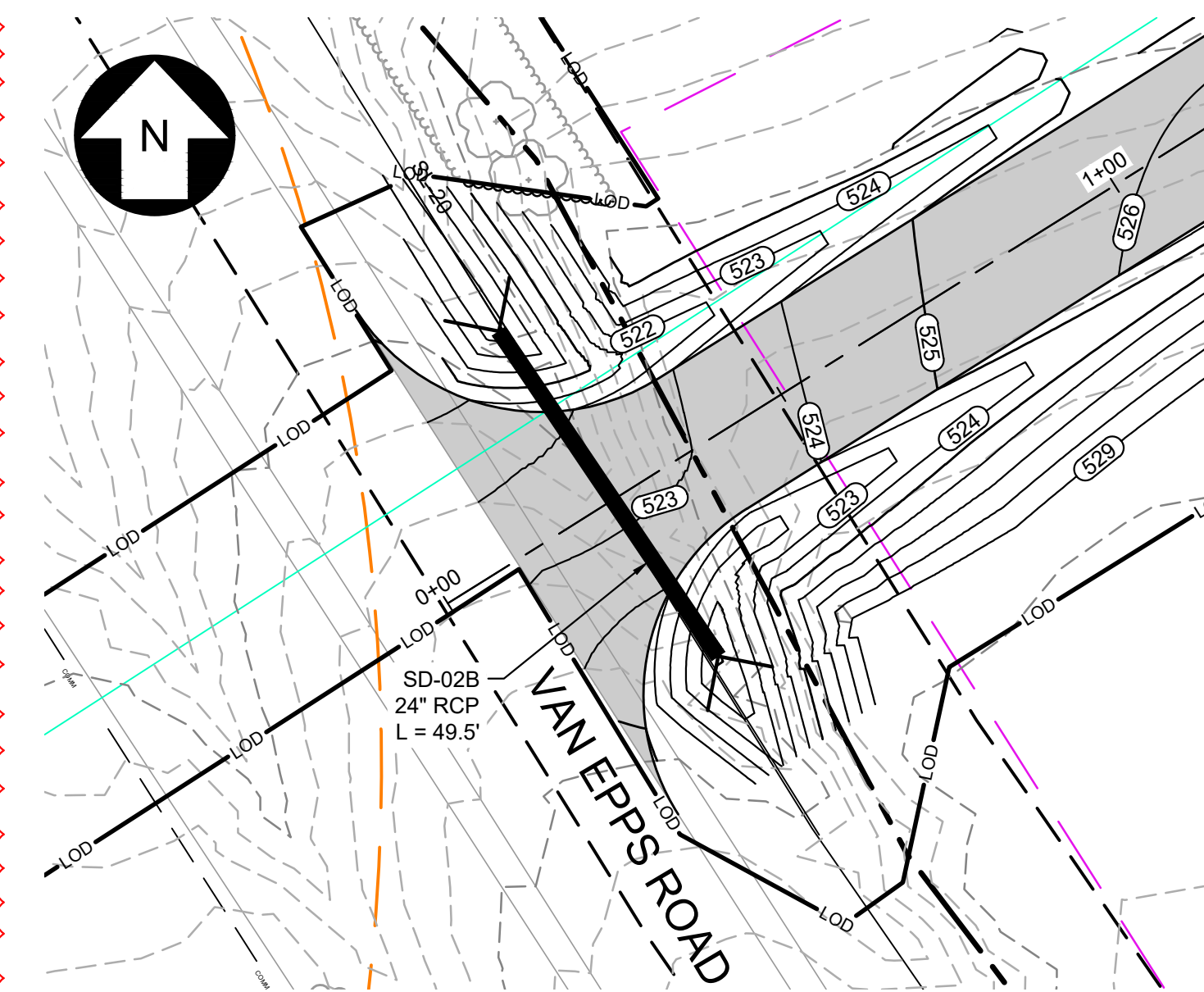




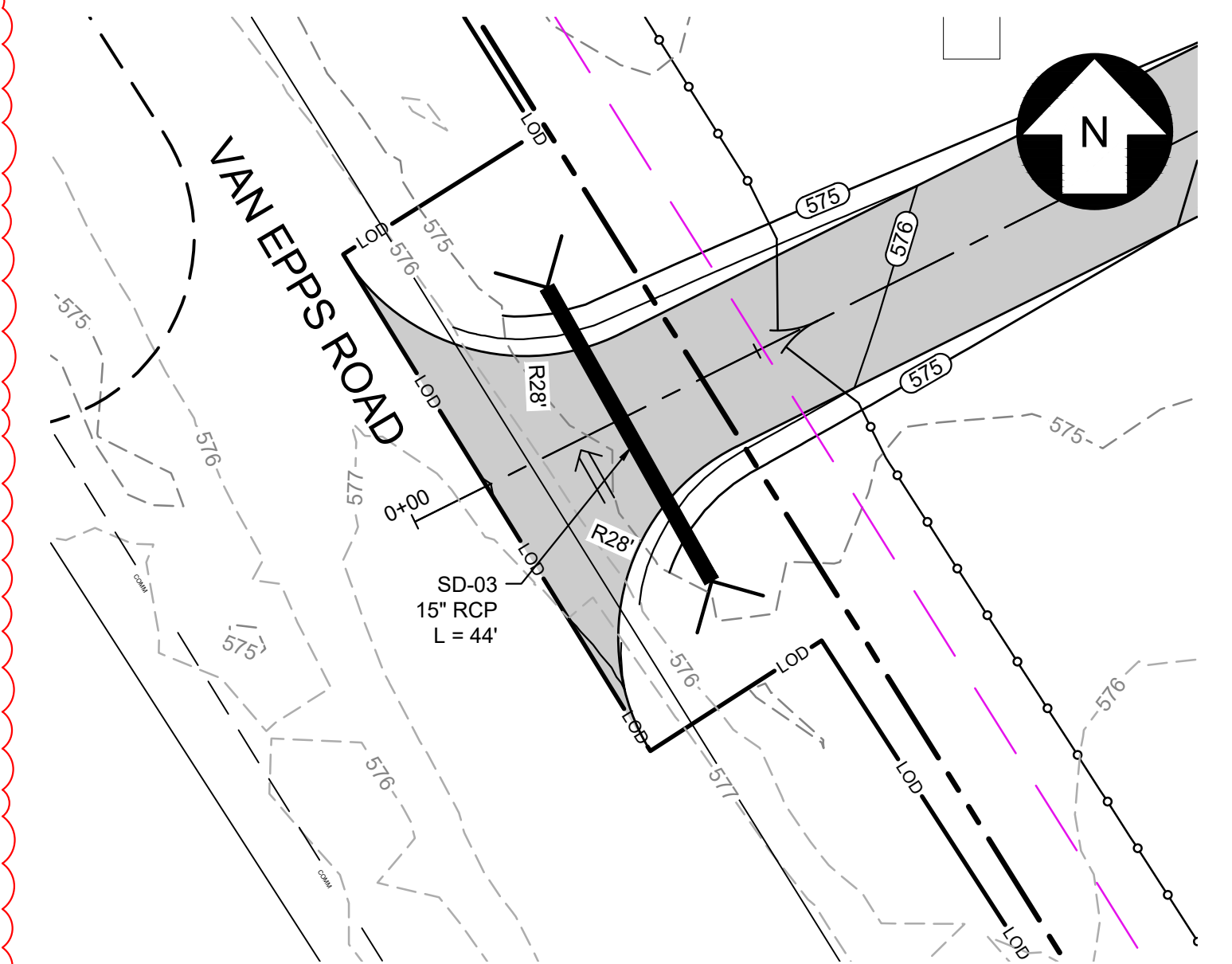
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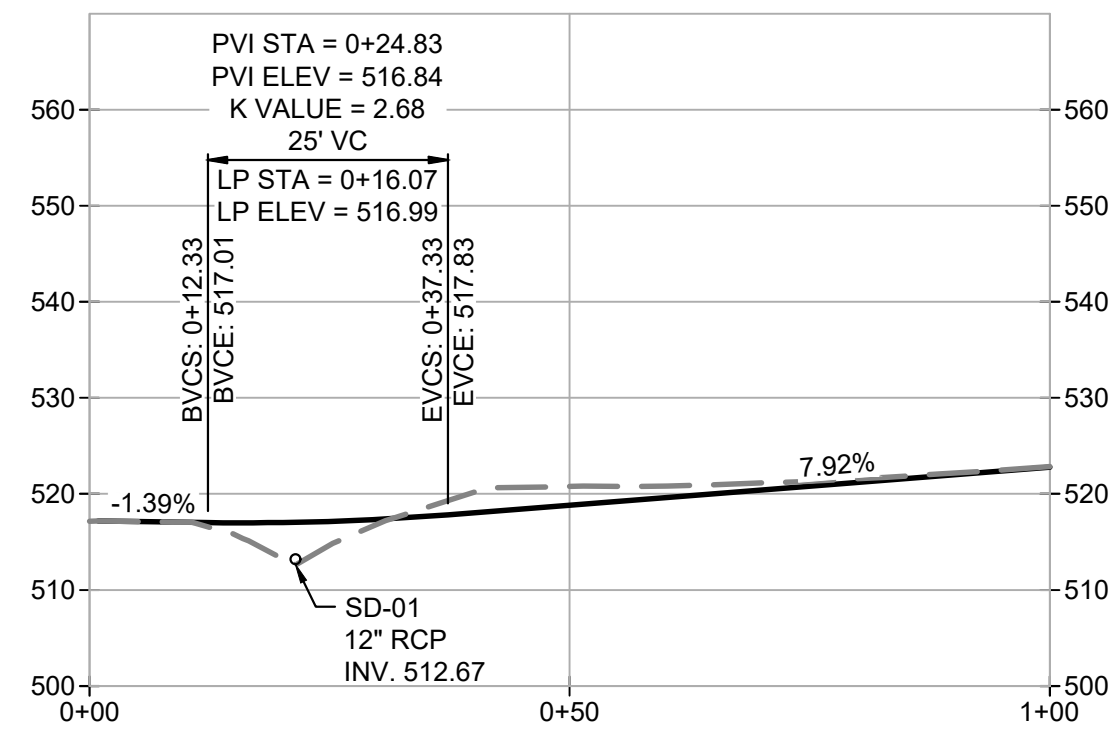
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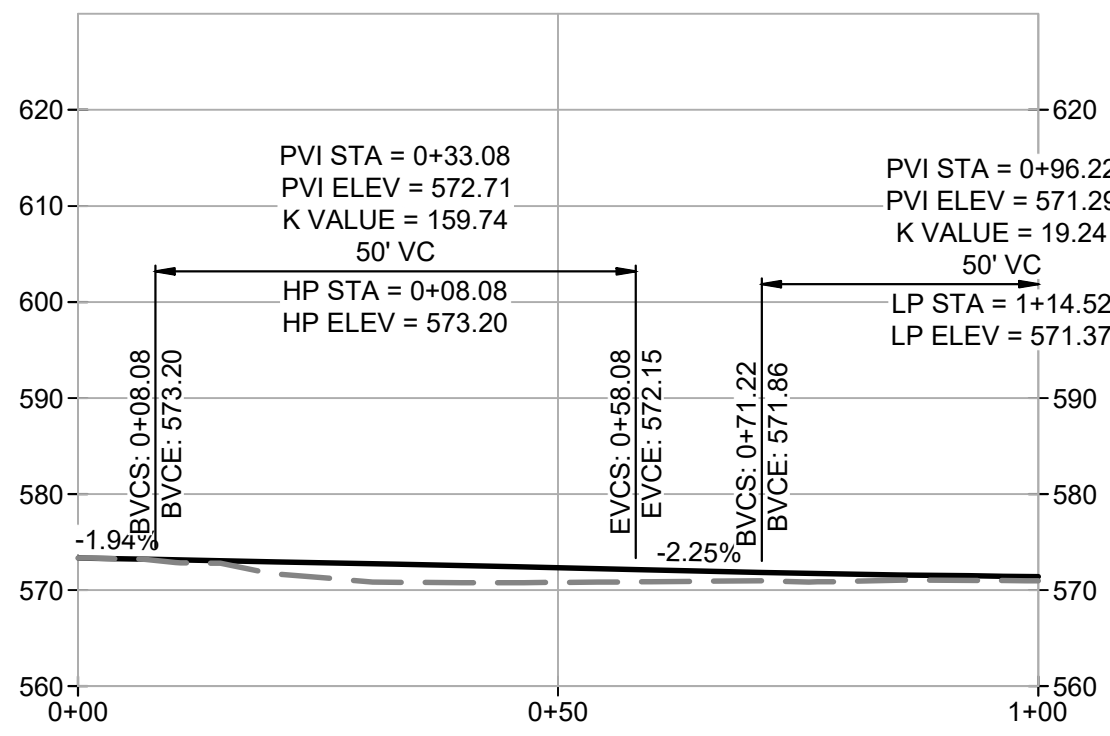
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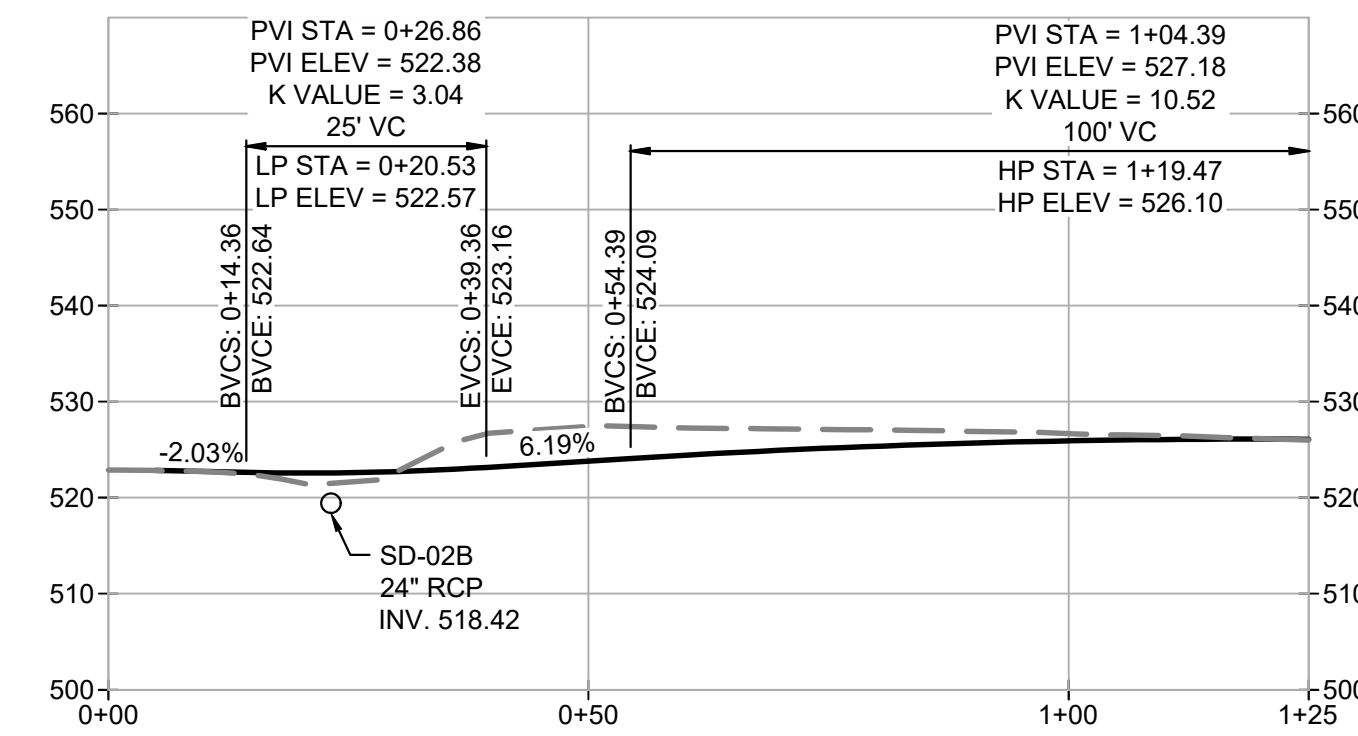
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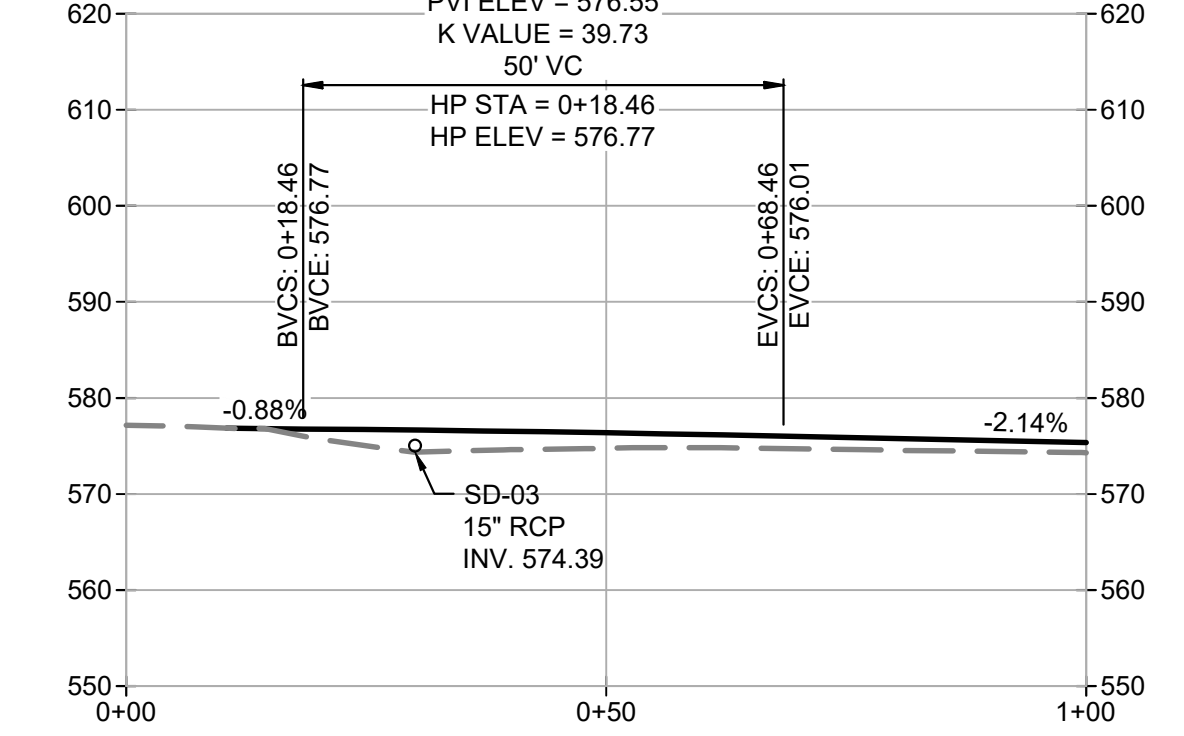
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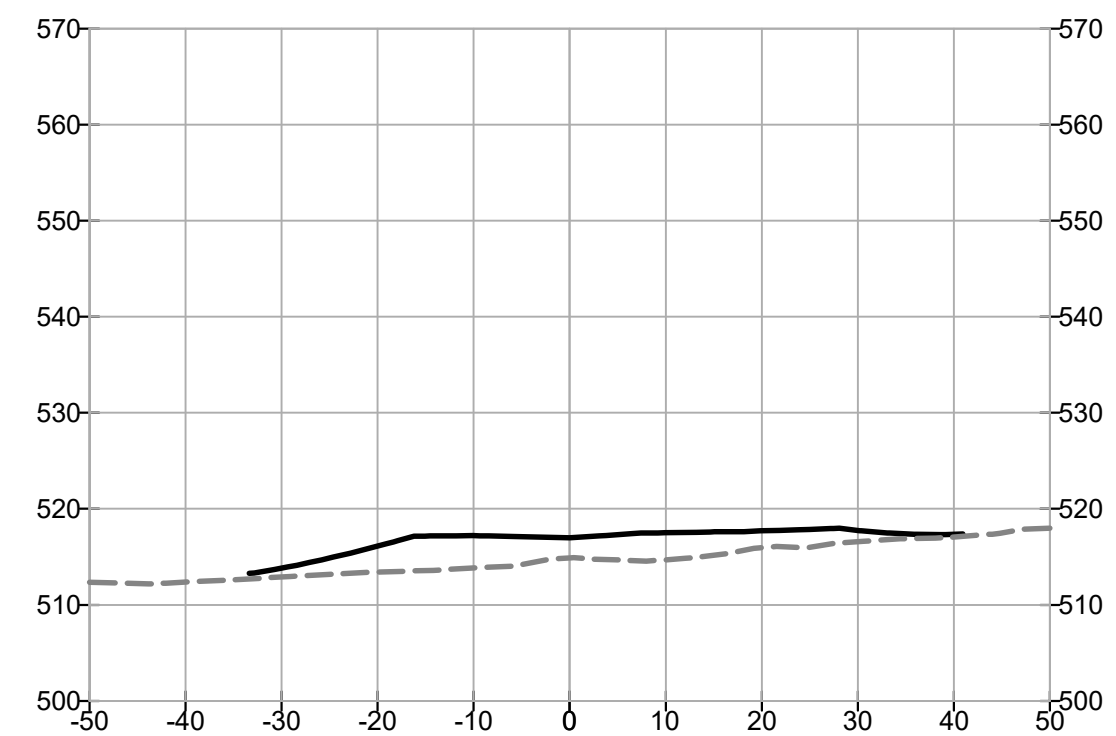
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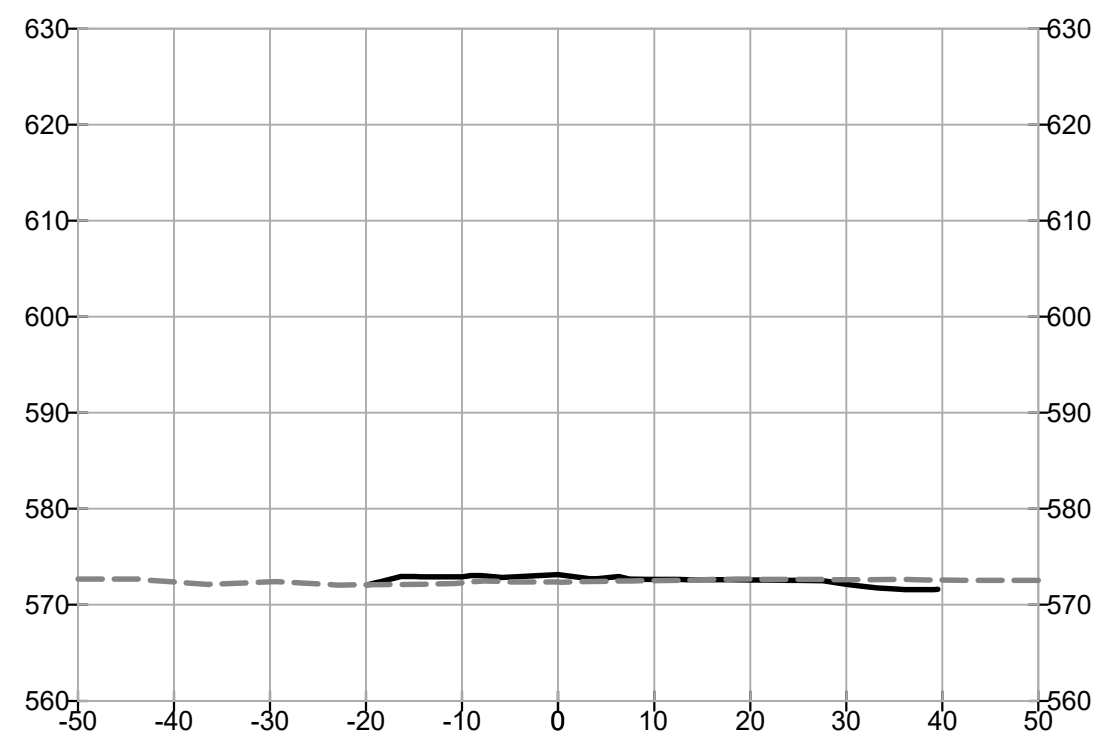
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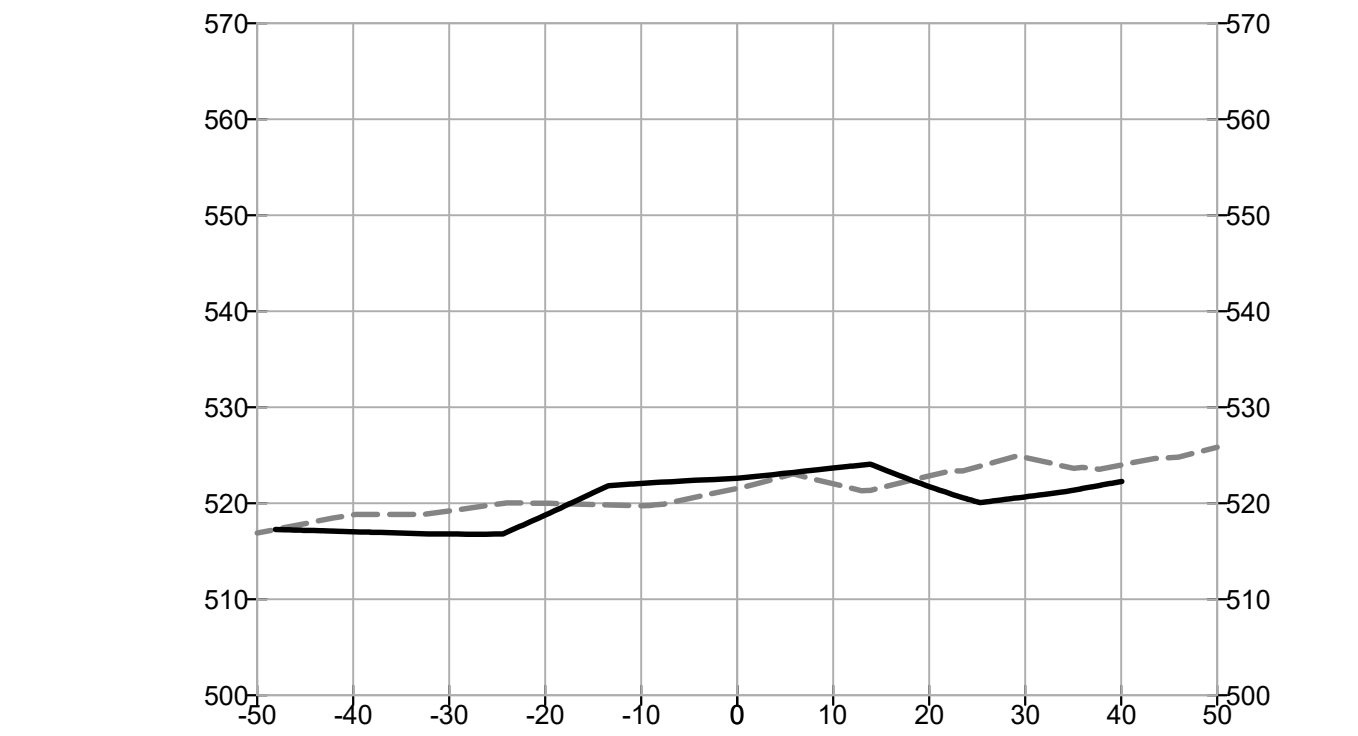
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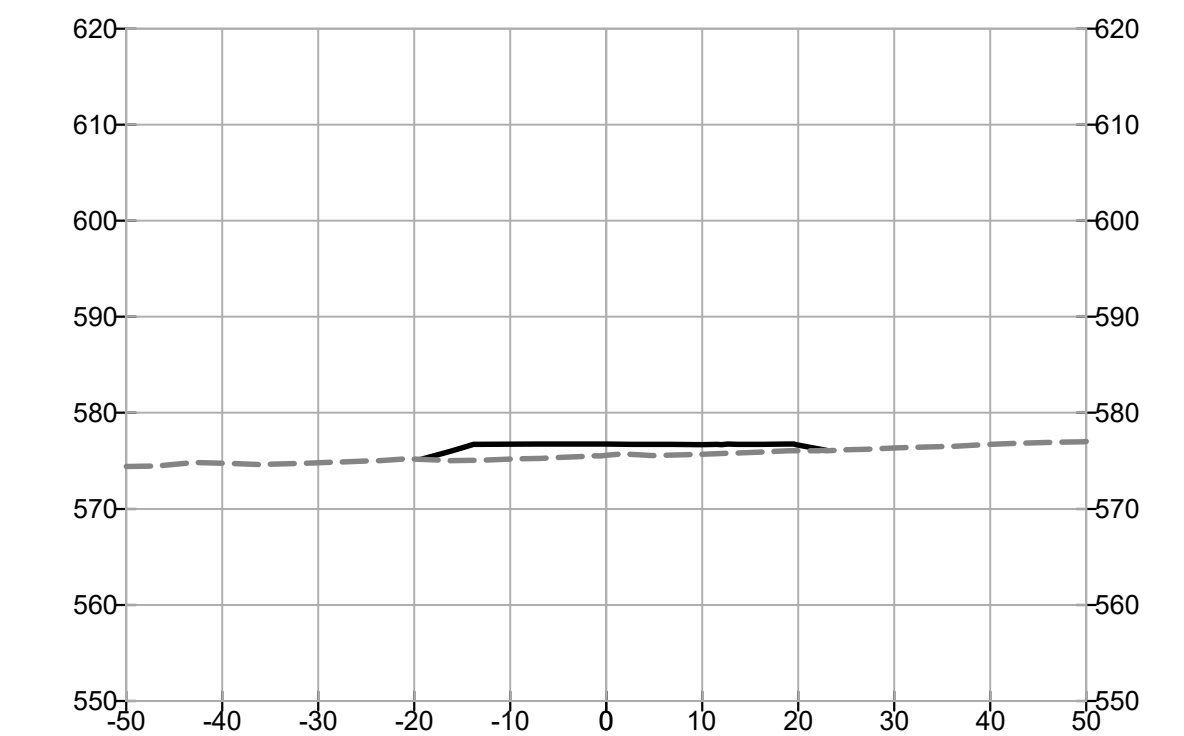
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DW-02 SECTION VIEW
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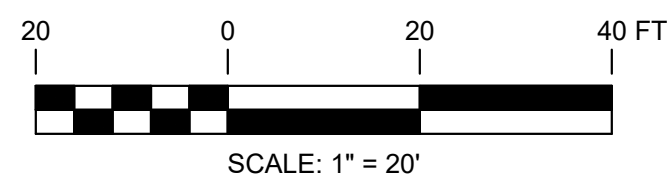


DW-02B SECTION VIEW
SCALE: 1" = 20'



DW-03 SECTION VIEW
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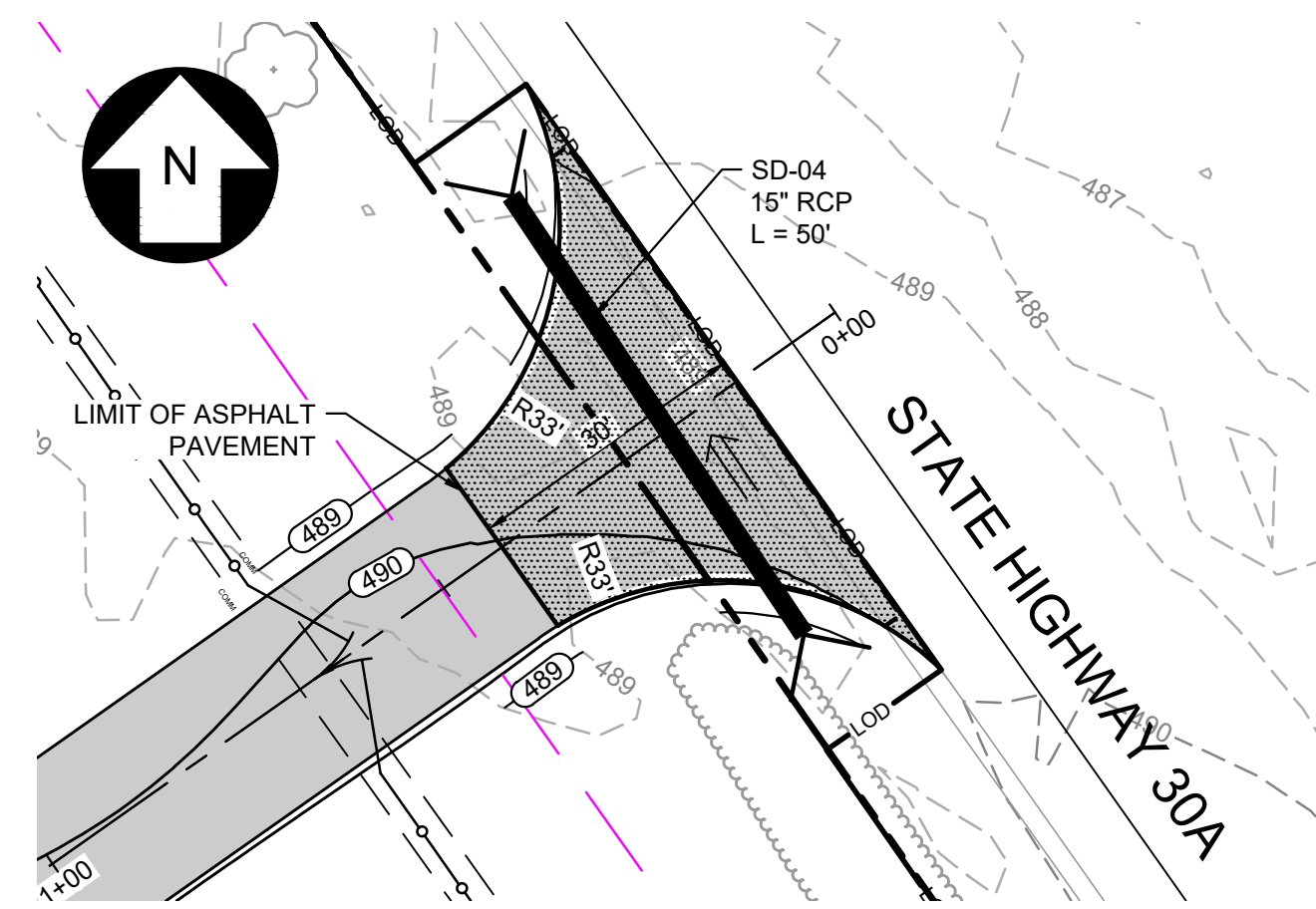
- NOTES:**
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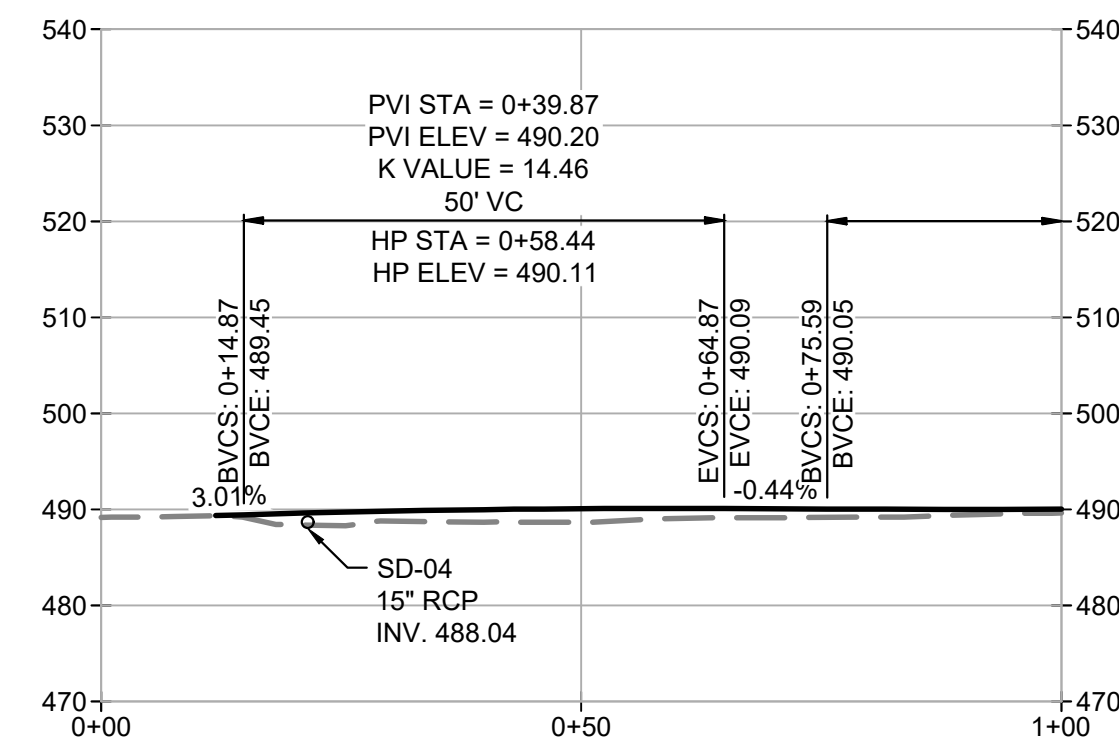
PRELIMINARY
NOT FOR CONSTRUCTION



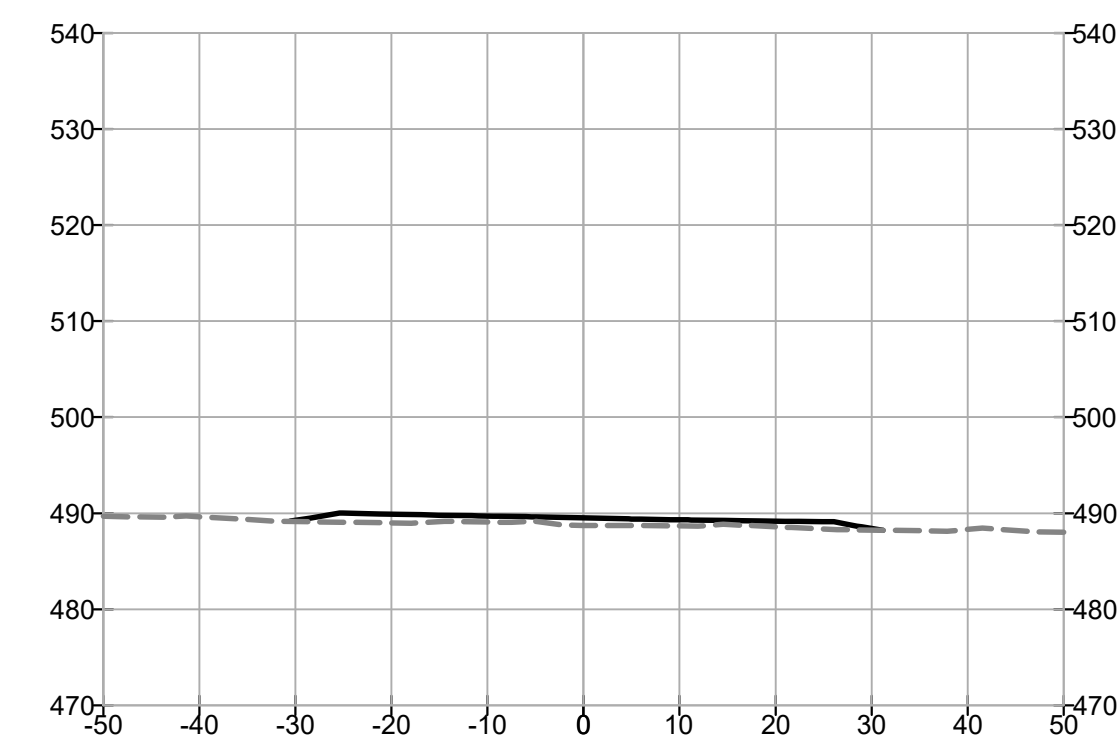
<p>249 Western Avenue Augusta, ME 04330</p>	PROJECT NO: 443269					CMW DESIGNED	<p>MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC ENTRANCE DETAILS</p>	<p>GLEN</p>	<p>NEW YORK</p>
	CMW DRAWN	CMW CHECKED	APPROVED	APPROVED					
CMW CHECKED	APPROVED	DATE	DATE						
CMW CHECKED	APPROVED	SCALE	SCALE						
<p>REV DESCRIPTION DATE DES CHK APP</p>		<p>100151</p>		<p>01/15/2024</p>		<p>1" = 20"</p>		<p>MPS-C-106-02</p>	
<p>REV DESCRIPTION DATE DES CHK APP</p>		<p>100151</p>		<p>01/15/2024</p>		<p>1" = 20"</p>		<p>MPS-C-106-02</p>	
<p>REV DESCRIPTION DATE DES CHK APP</p>		<p>100151</p>		<p>01/15/2024</p>		<p>1" = 20"</p>		<p>MPS-C-106-02</p>	
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<p>REV DESCRIPTION DATE DES CHK APP</p>		<p>100151</p>		<p>01/15/2024</p>		<p>1" = 20"</p>		<p>MPS-C-106-02</p>	



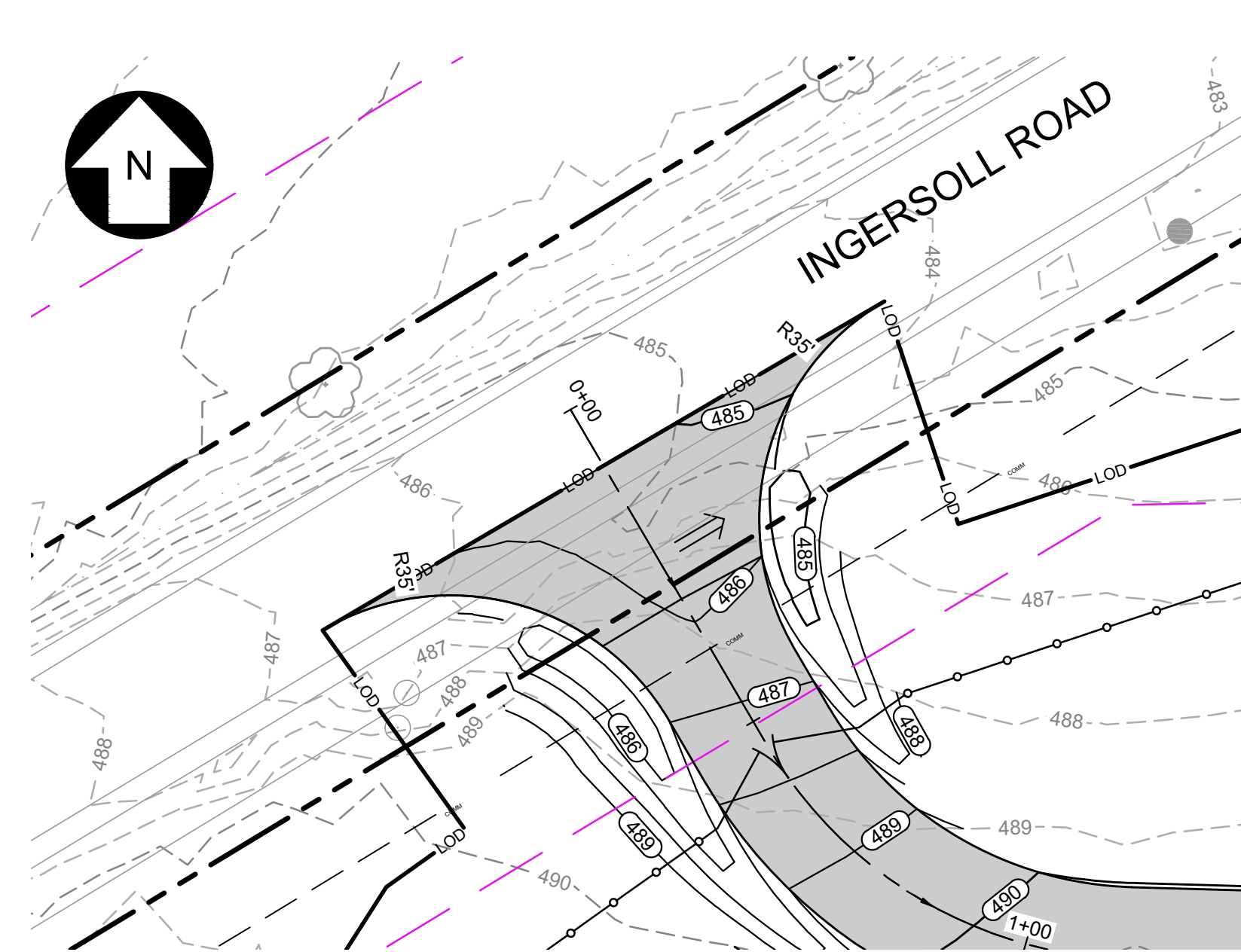
DW-04 PLAN VIEW
SCALE: 1" = 20'



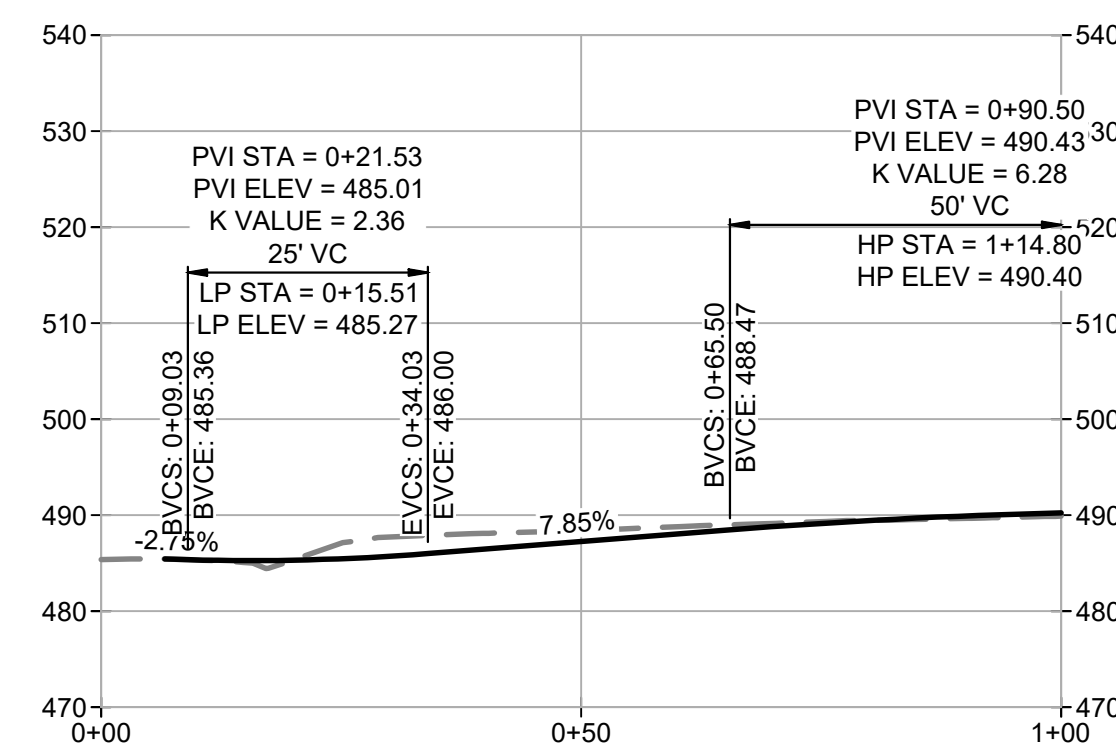
DW-04 PROFILE VIEW
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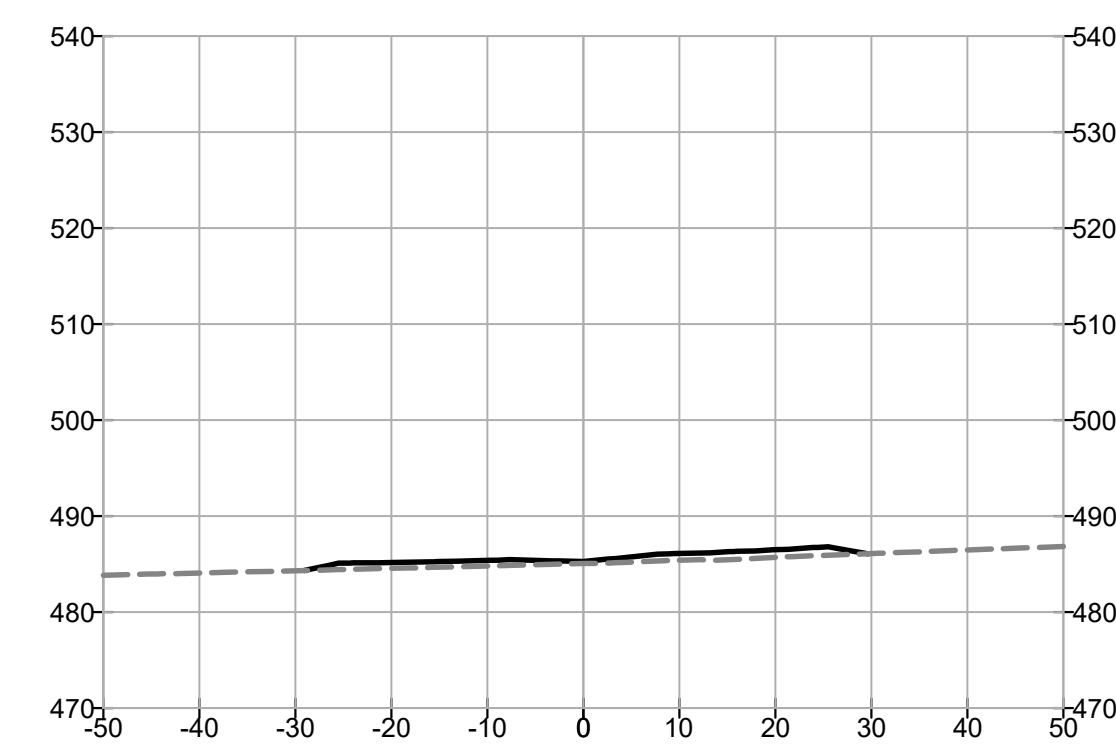
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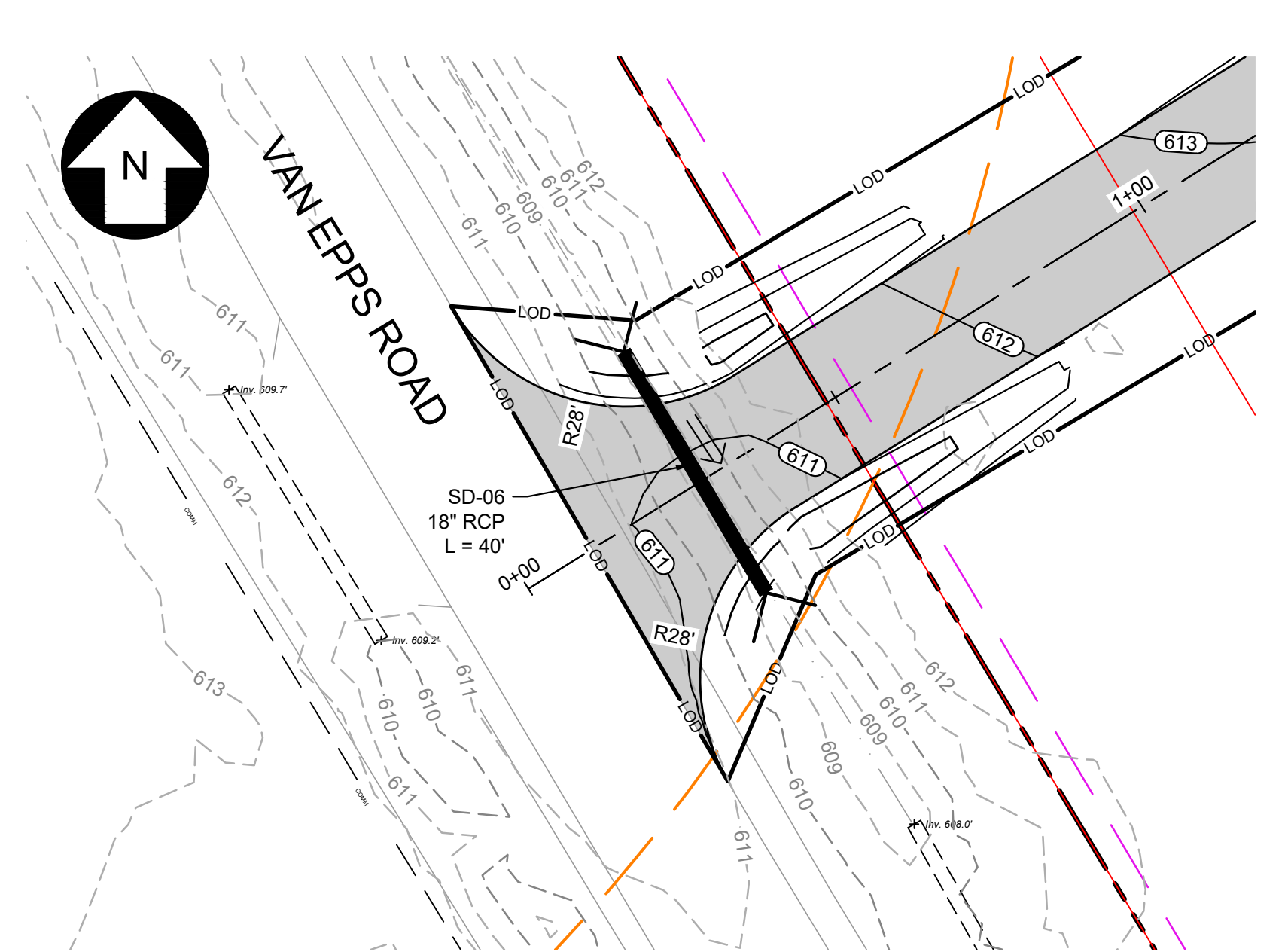
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SCALE: 1" = 20'



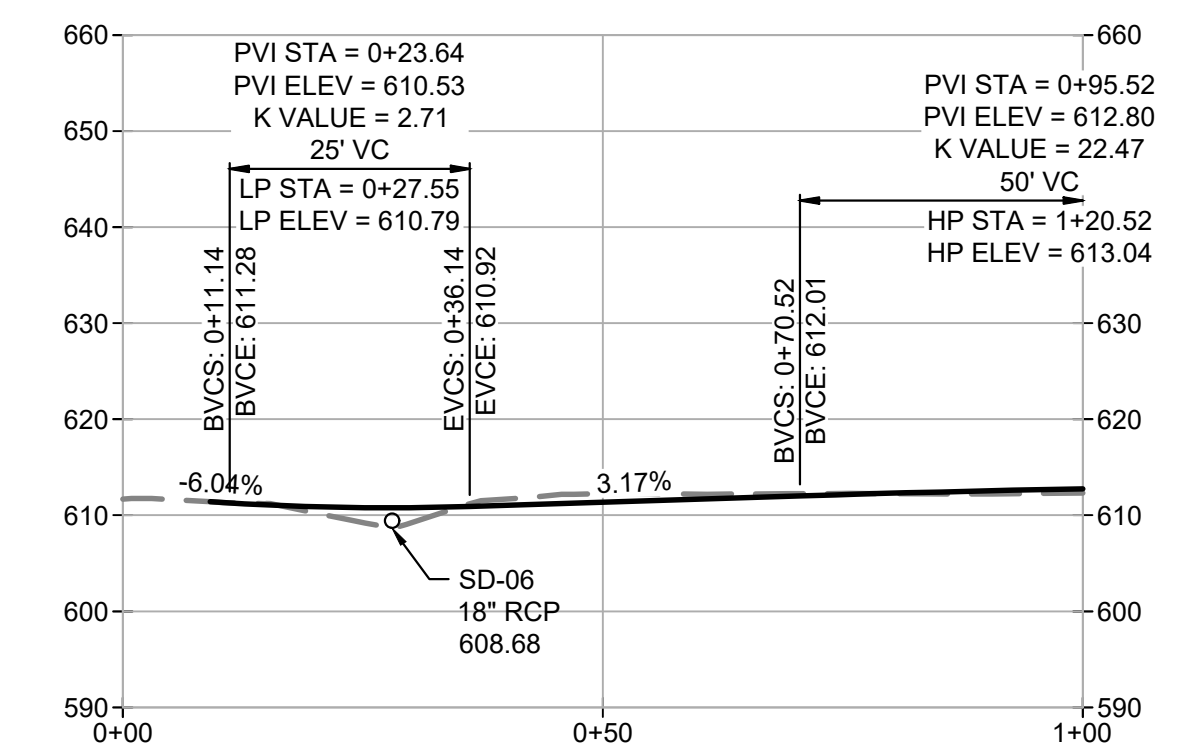
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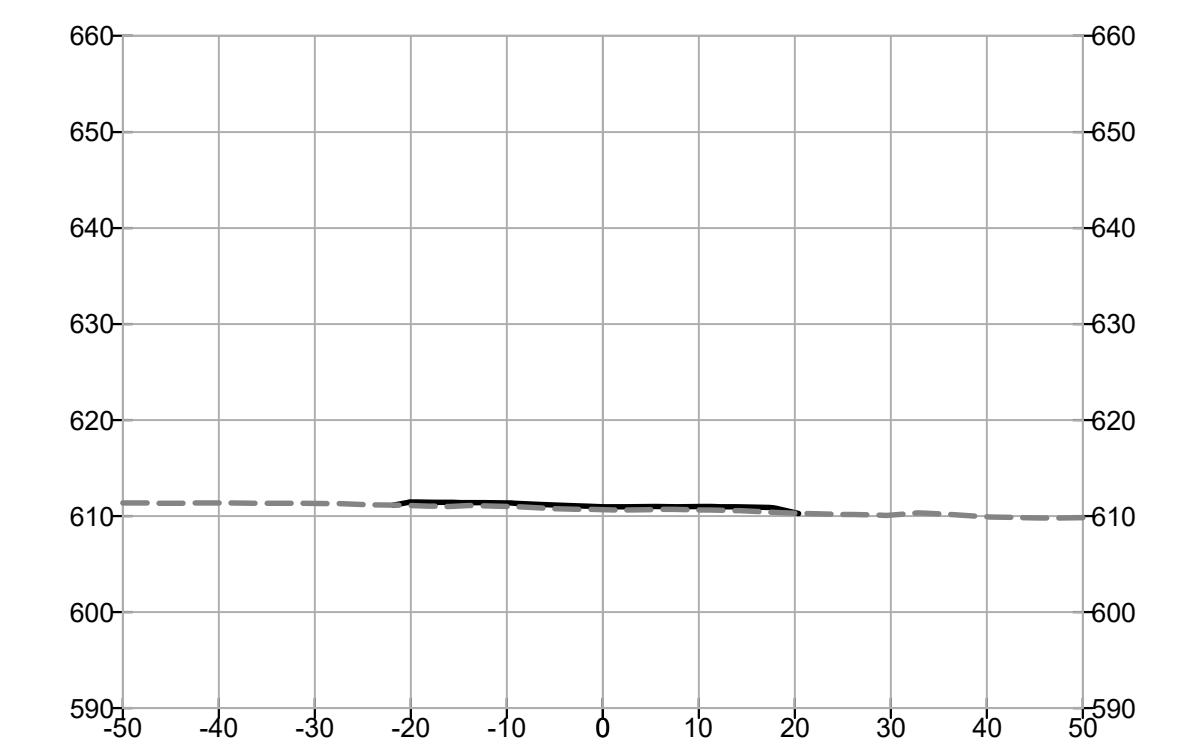
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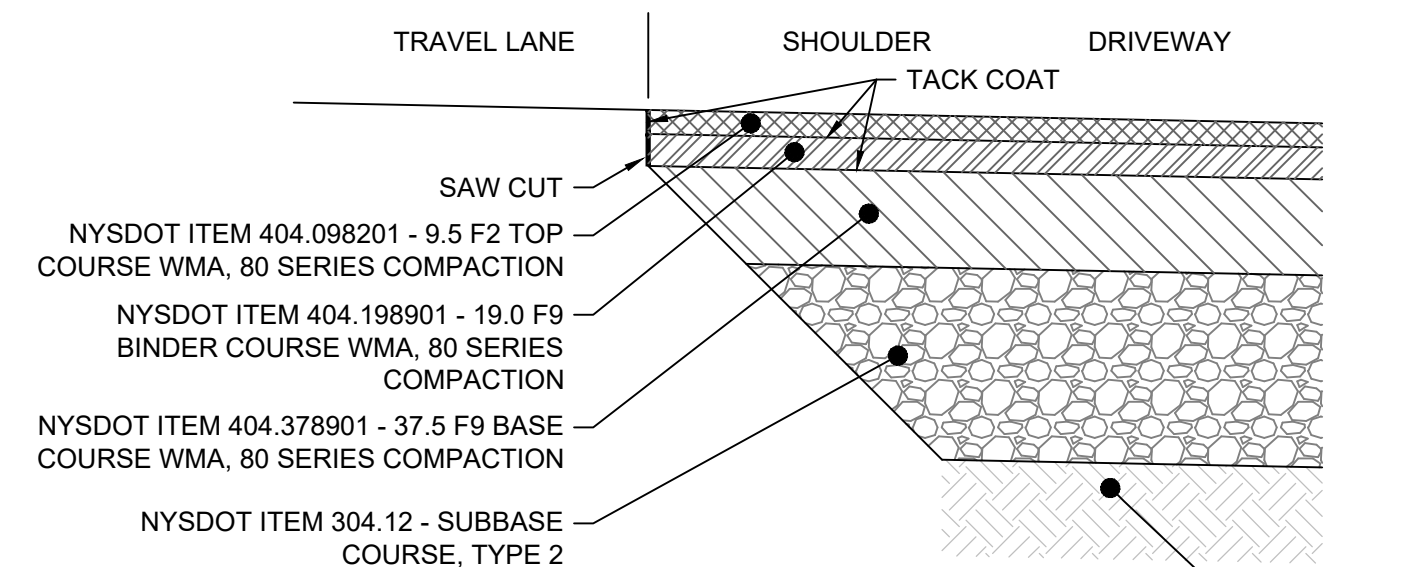
DW-06 PLAN VIEW
SCALE: 1" = 20'



DW-06 PROFILE VIEW
SCALE: 1" = 20'



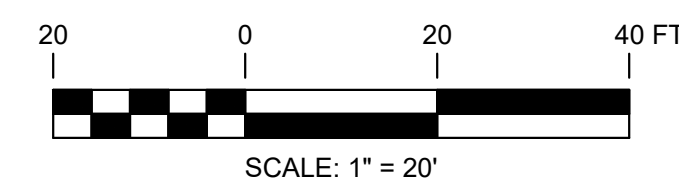
DW-06 SECTION VIEW
SCALE: 1" = 20'



- COMPLY WITH APPLICABLE PORTIONS OF NYSDOT SPEC SECTIONS:
- 203 - EXCAVATION AND EMBANKMENT
 - 206 - TRENCH, CULVERT AND STRUCTURE EXCAVATION
 - 304 - SUBBASE COURSE
 - 402 - HOT MIX ASPHALT (HMA) PAVEMENTS
 - 407 - TACK COAT
 - 619 - WORK ZONE TRAFFIC CONTROL
 - 608 - SIDEWALKS, DRIVEWAYS, BICYCLE PATHS AND VEGETATION CONTROL STRIPS

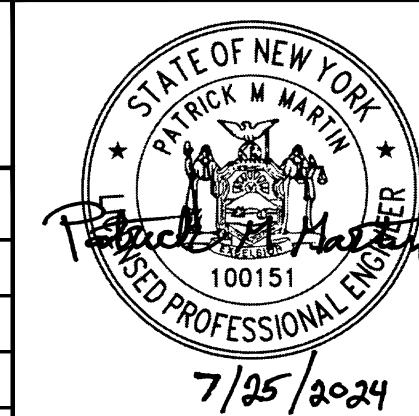
NYSDOT APRON SECTION
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION



249 Western Avenue
Augusta, ME 04330

PROJECT NO: 443269



CMW DESIGNED
CMW DRAWN
PMM CHECKED
APPROVED
REVIEW 1
REVIEW 2

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MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
ENTRANCE DETAILS

GLEN NEW YORK

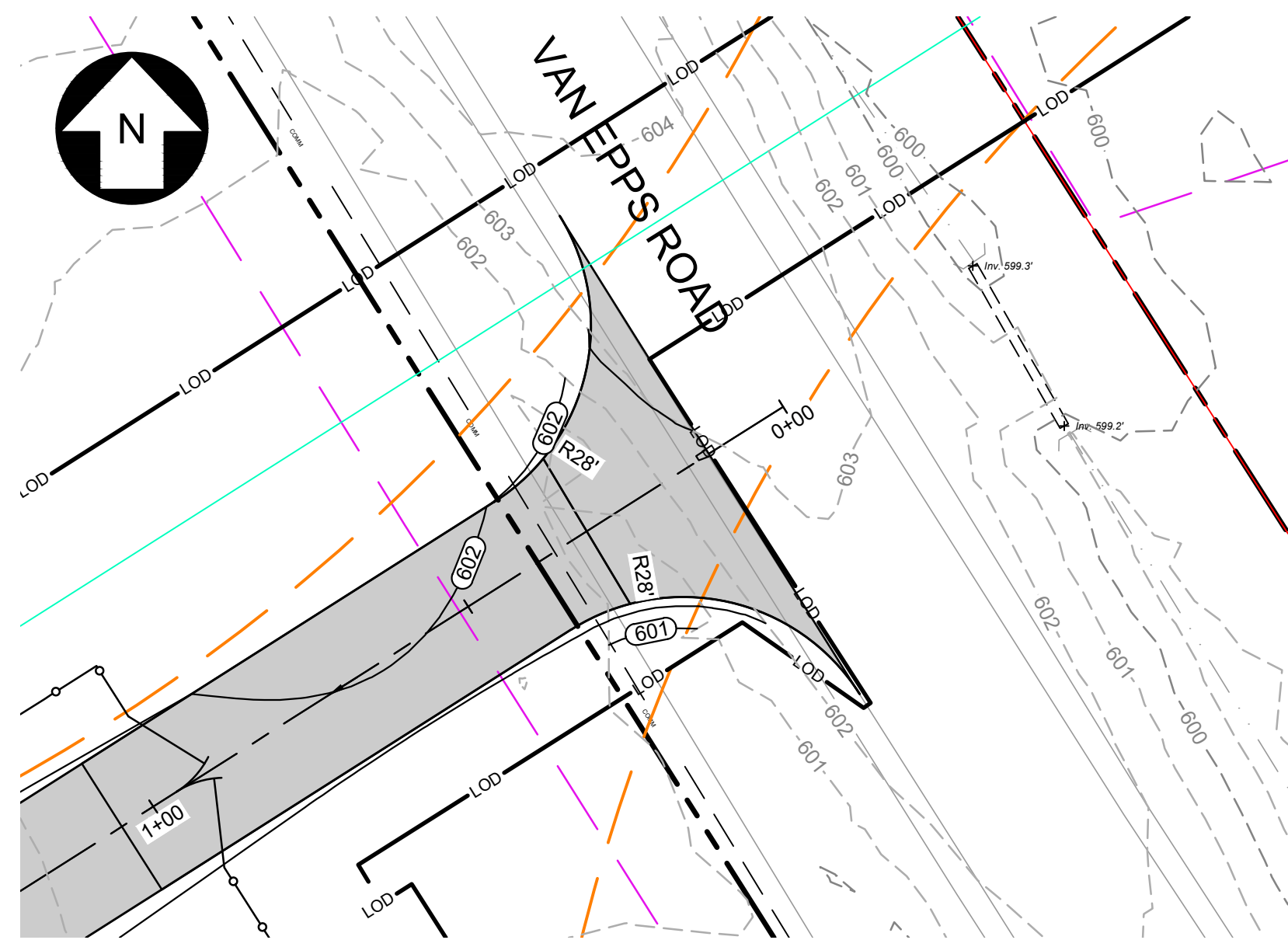
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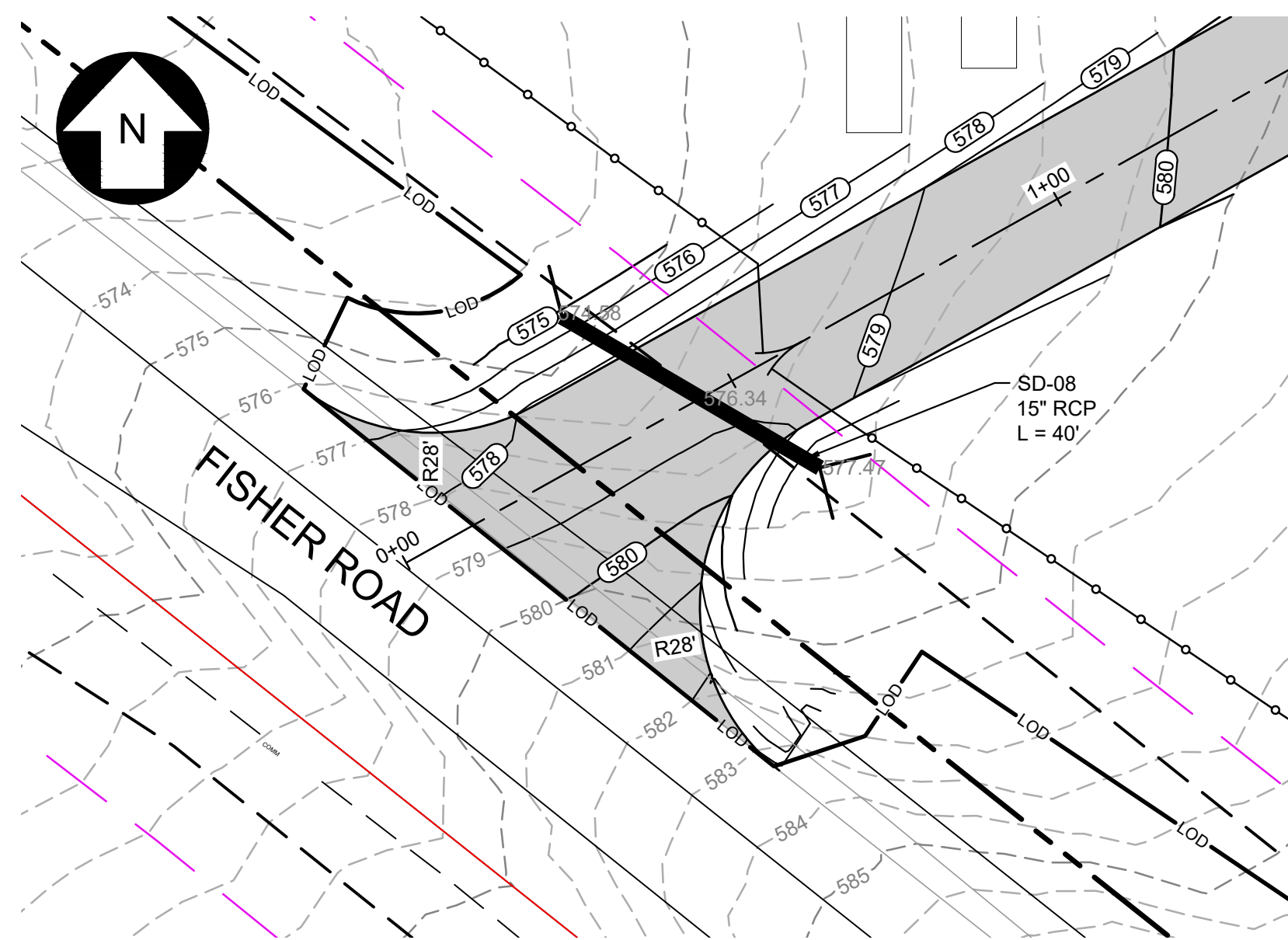
MPS-C-106-03

REV. D

REV	DESCRIPTION	DATE	DES	CHK	APP
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A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM



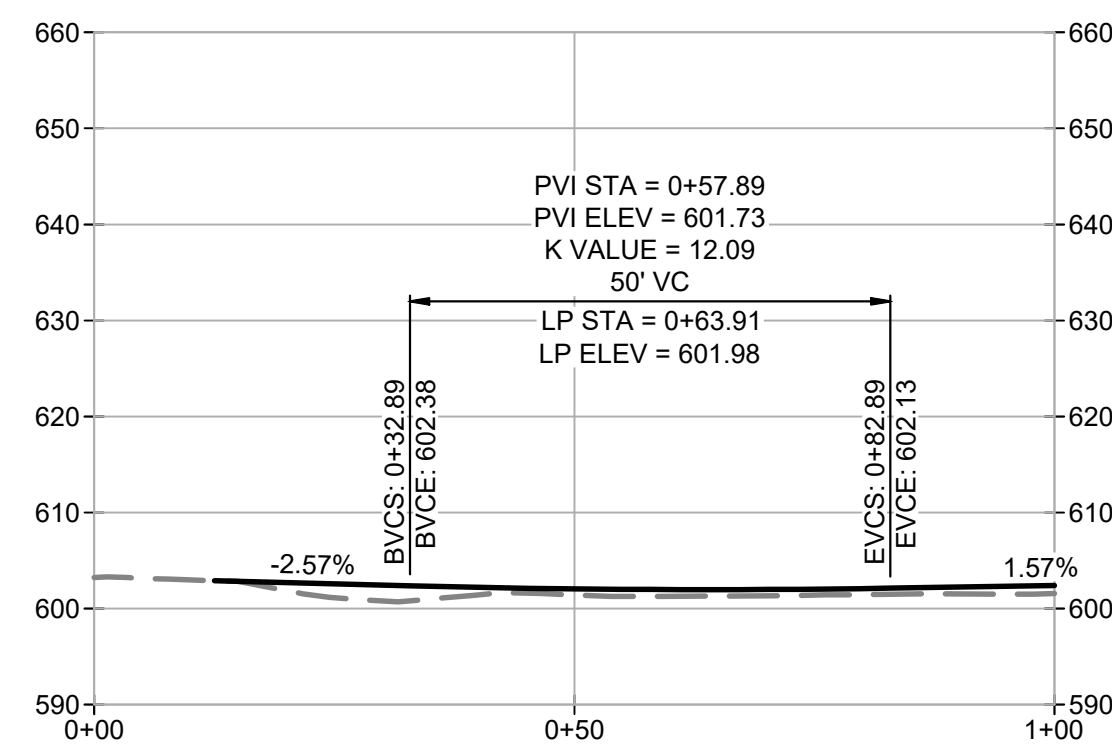
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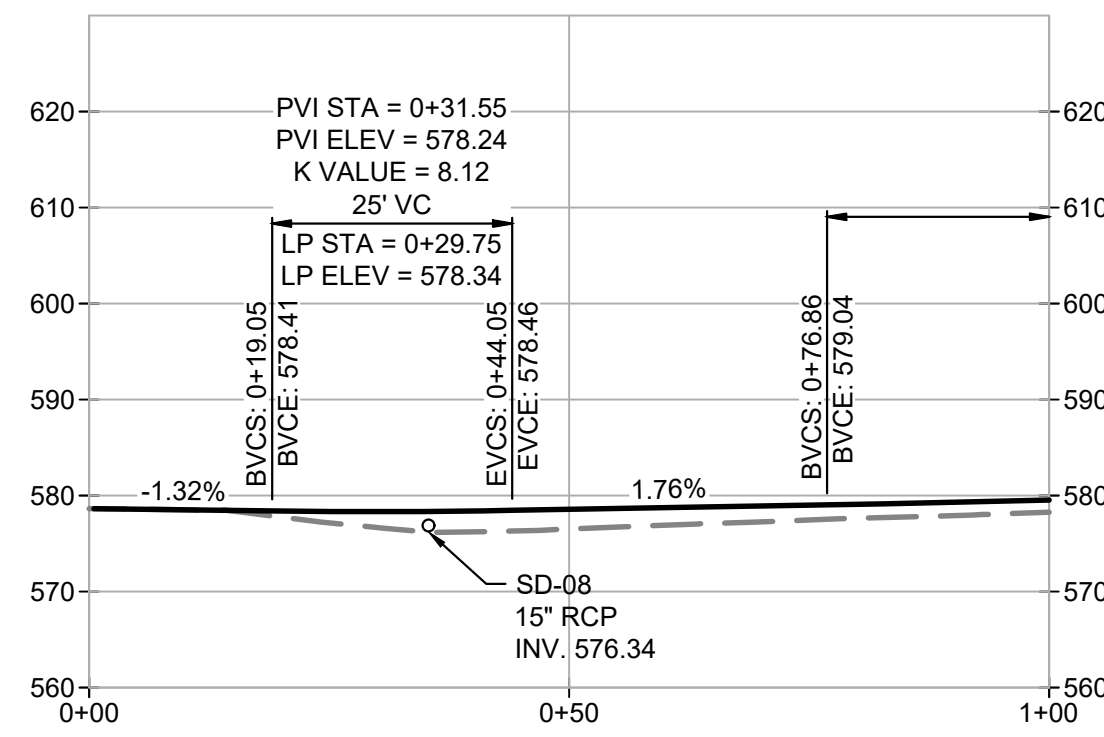
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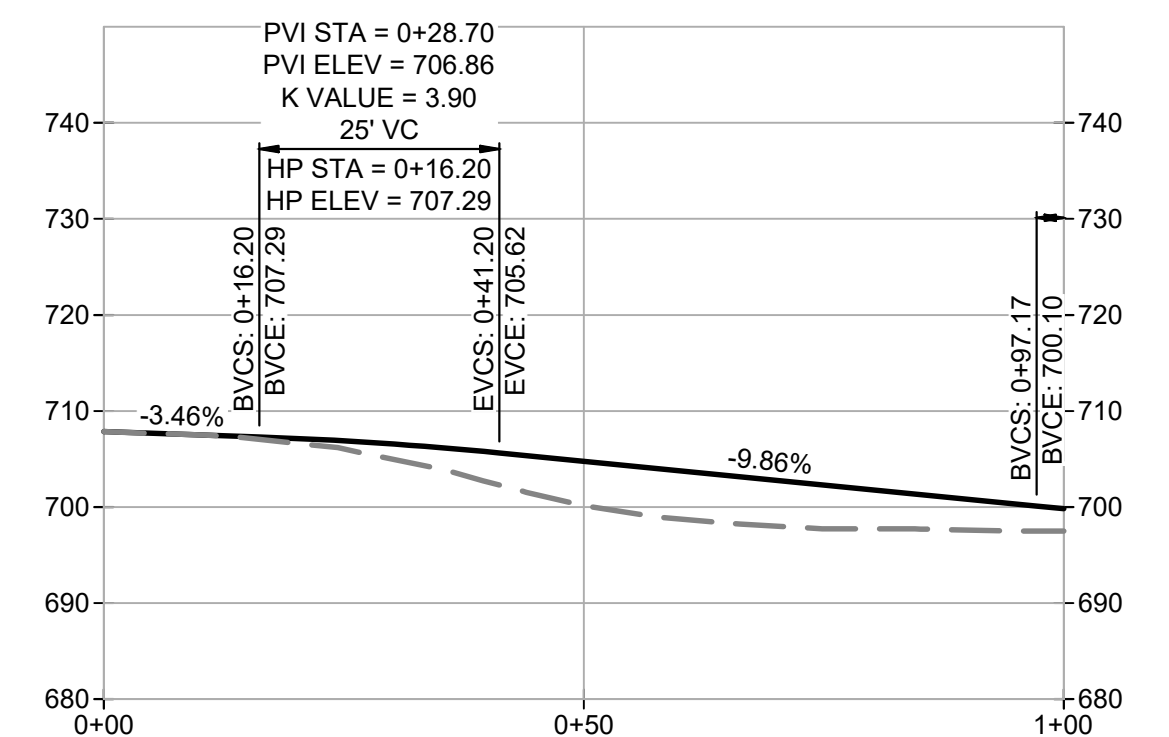
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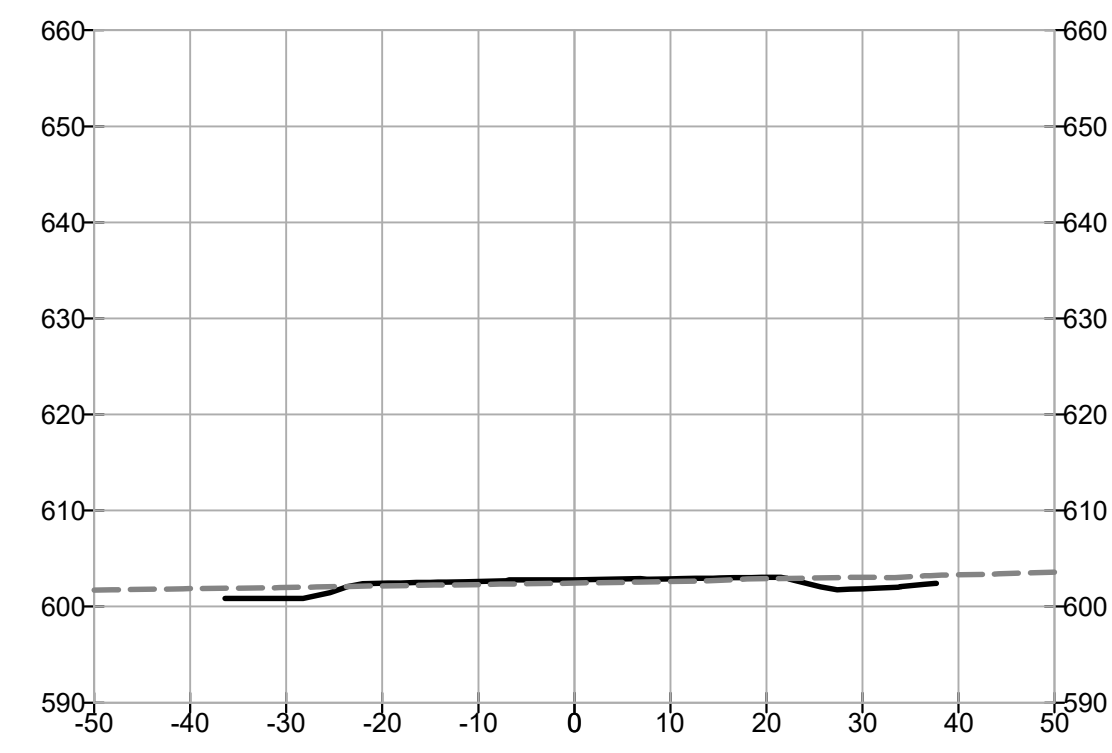
DW-07 PROFILE VIEW
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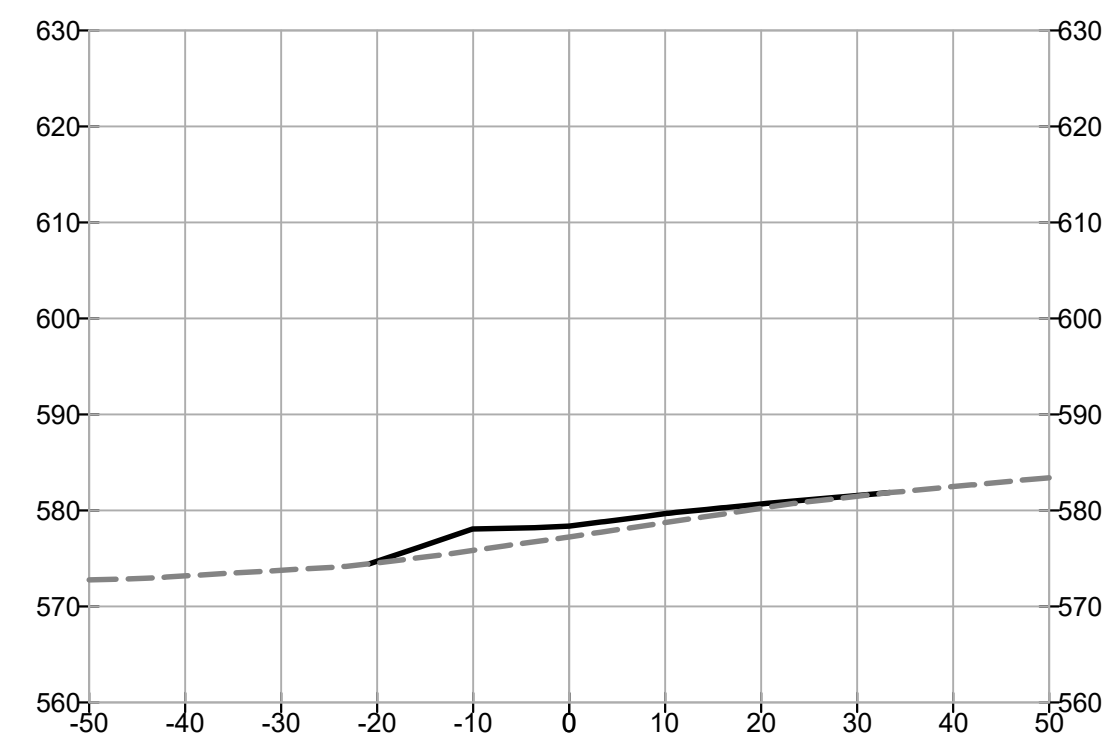
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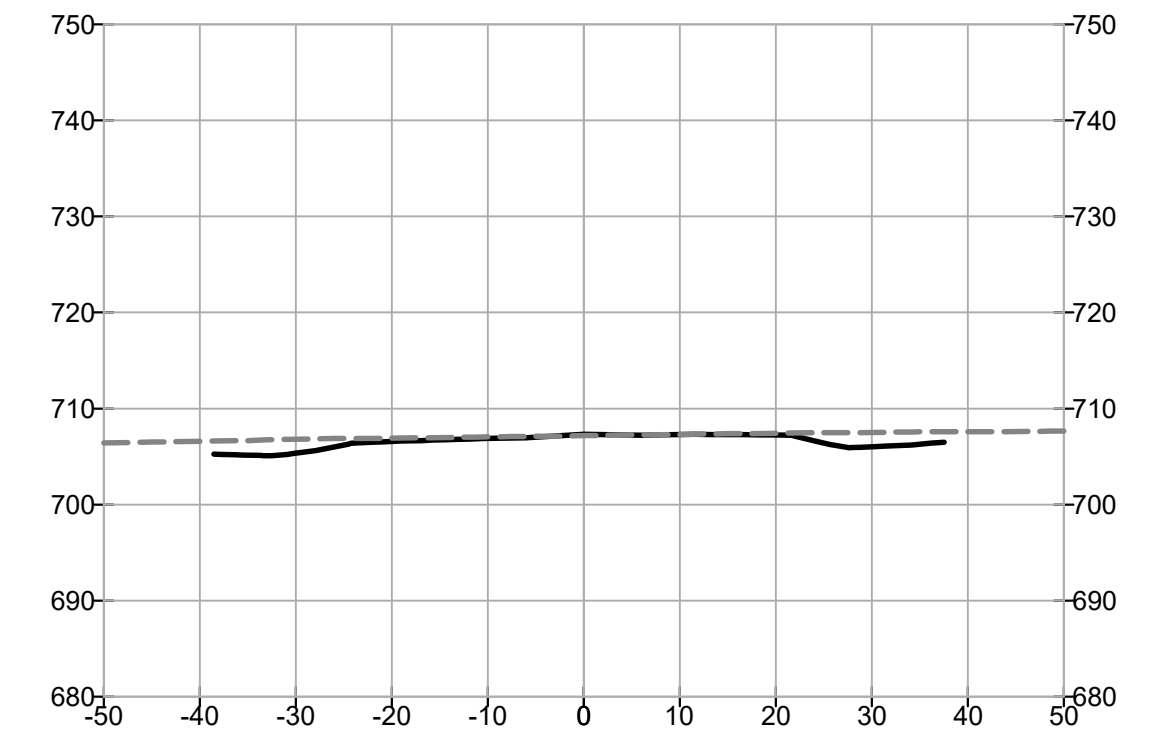
DW-09 PROFILE VIEW
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DW-07 SECTION VIEW
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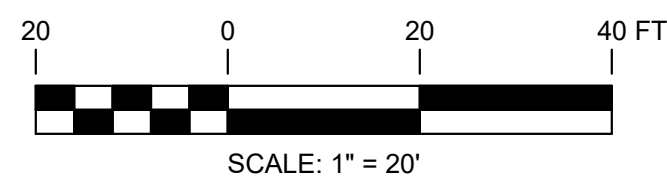


DW-08 SECTION VIEW
SCALE: 1" = 20'



DW-09 SECTION VIEW
SCALE: 1" = 20'

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SCALE: 1" = 20'

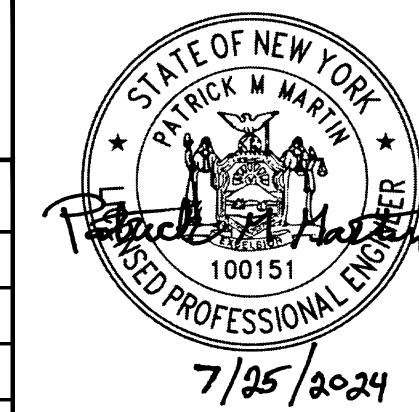
PRELIMINARY
NOT FOR CONSTRUCTION



249 Western Avenue
Augusta, ME 04330

PROJECT NO: 443269

REV	DESCRIPTION	DATE	DES	CHK	APP
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CMW DESIGNED	
CMW DRAWN	
PMM CHECKED	
APPROVED	
REVIEW 1	01/15/2024 DATE
REVIEW 2	1" = 20" SCALE

MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
ENTRANCE DETAILS

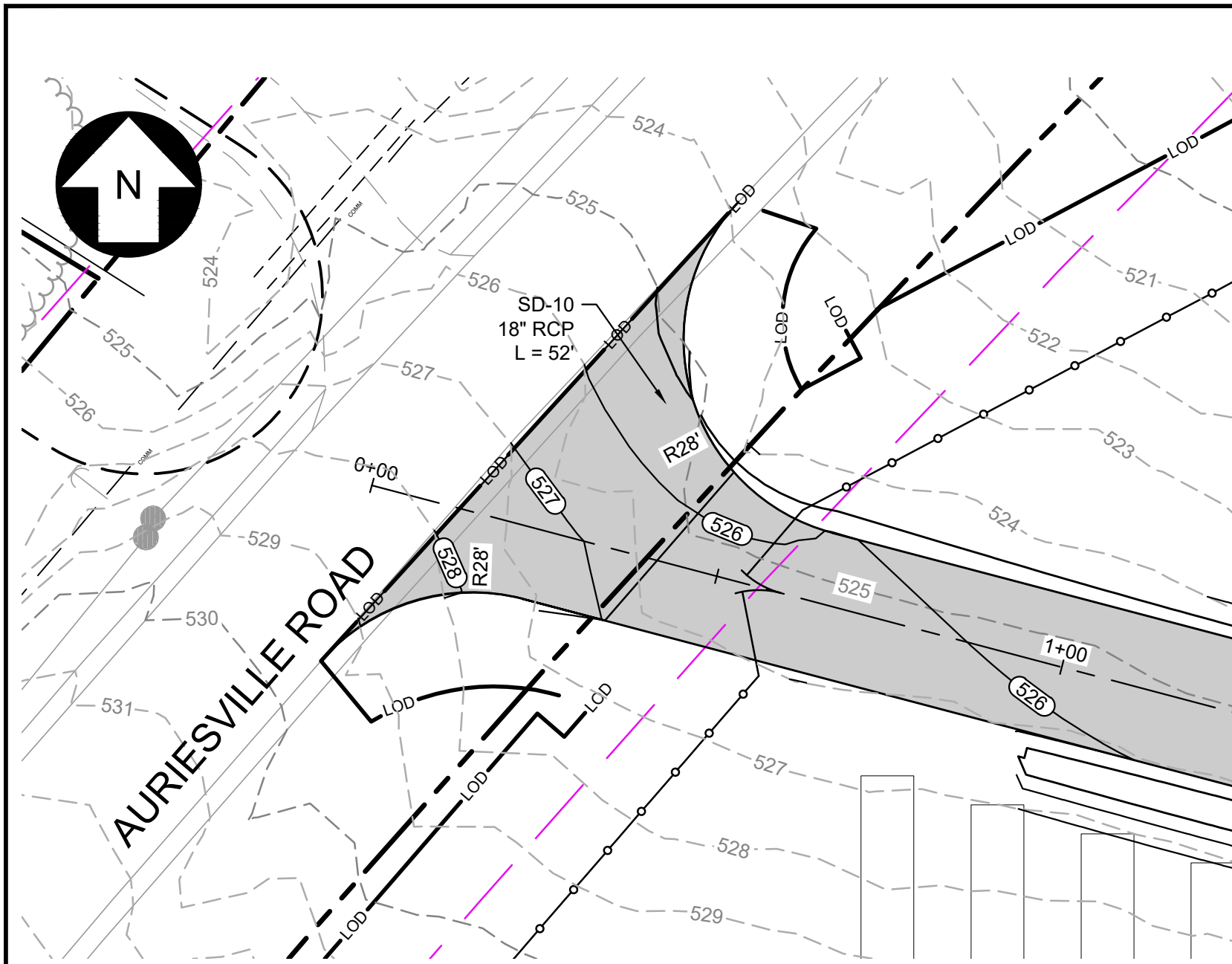
GLEN

NEW YORK

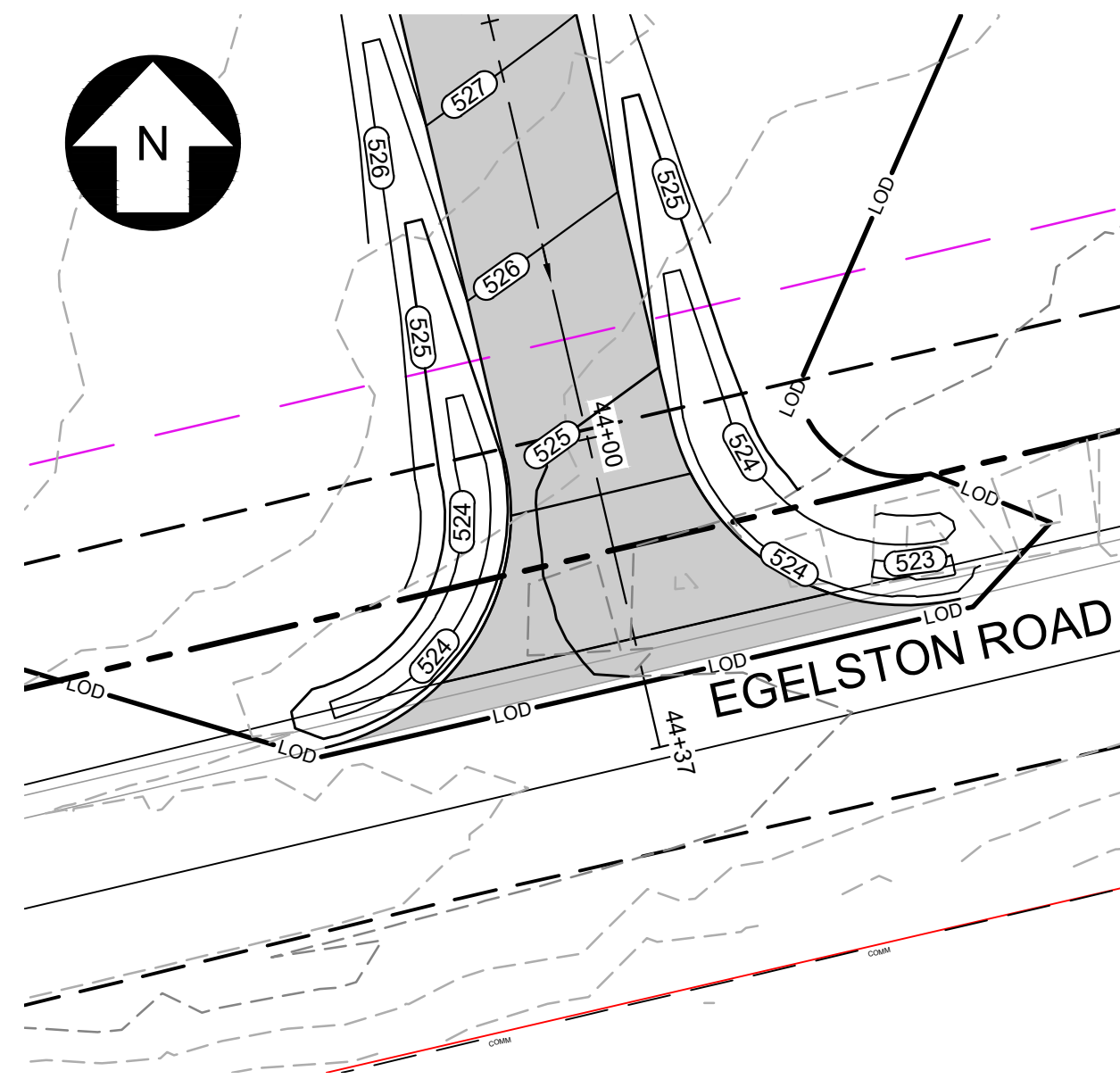


MPS-C-106-04

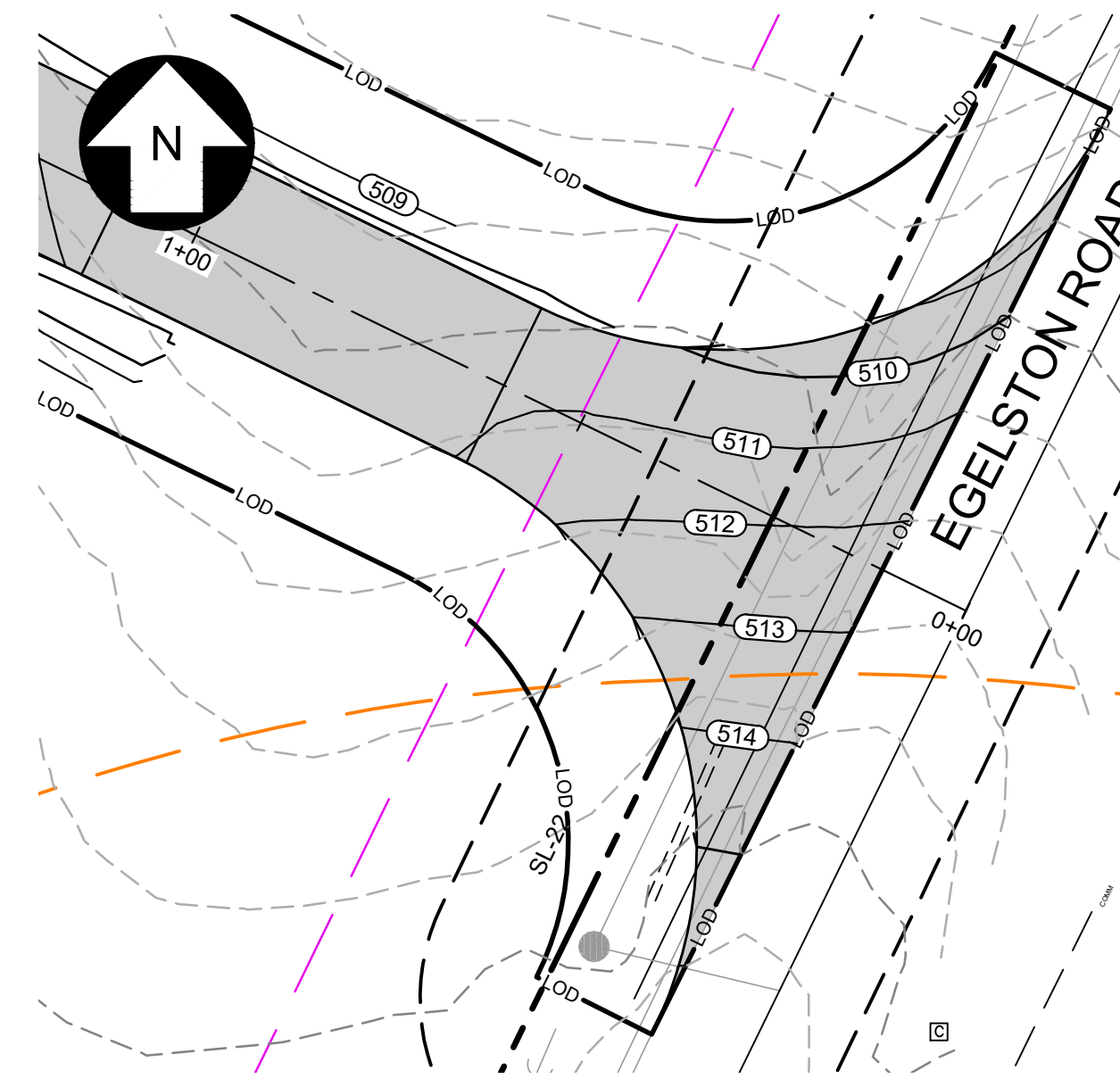
REV.
D



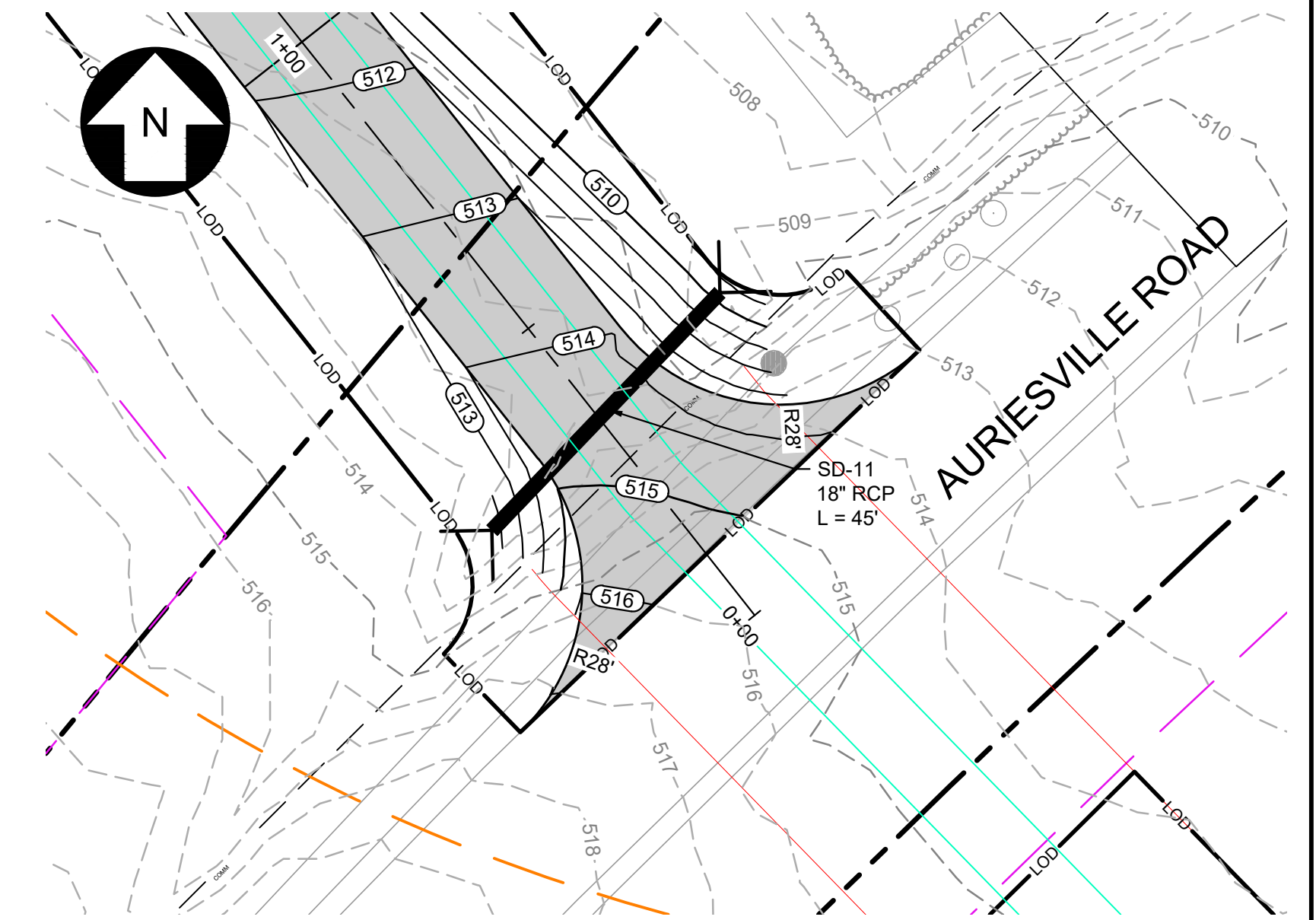
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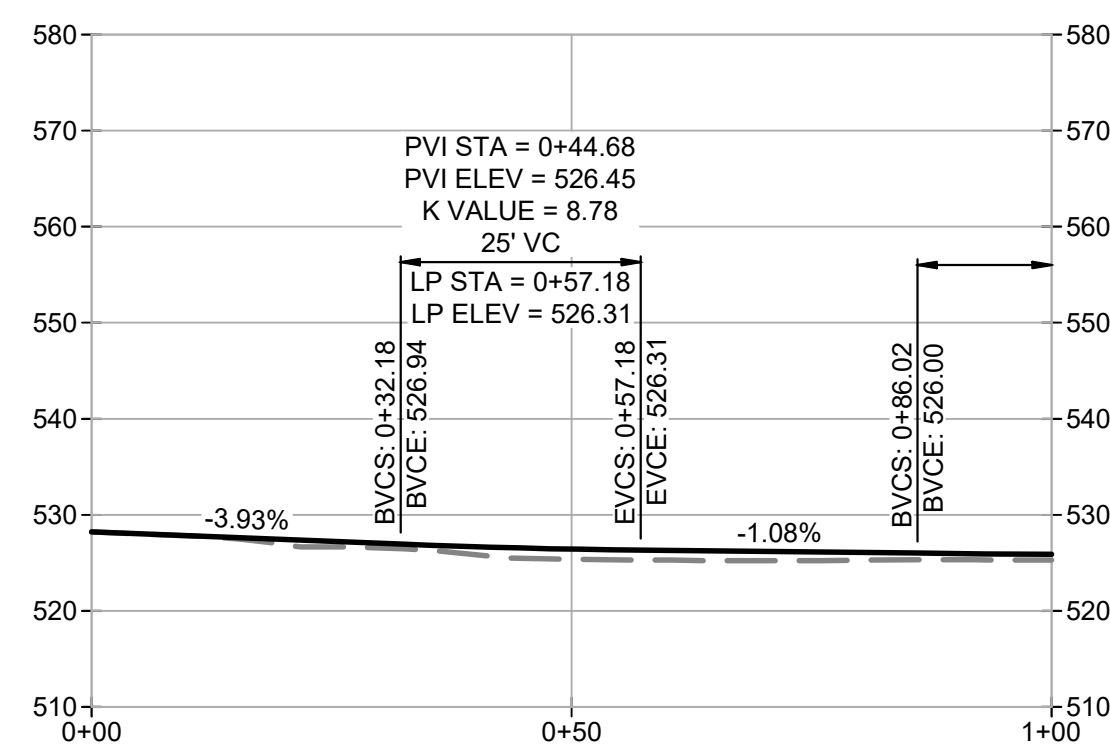
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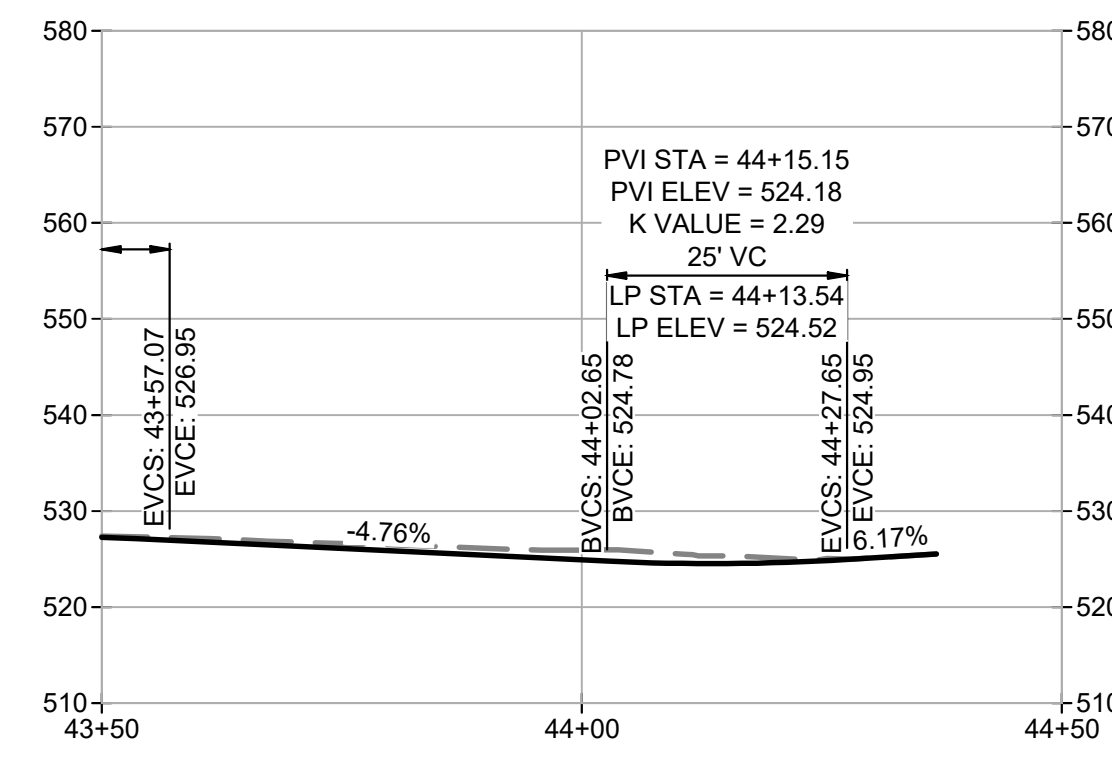
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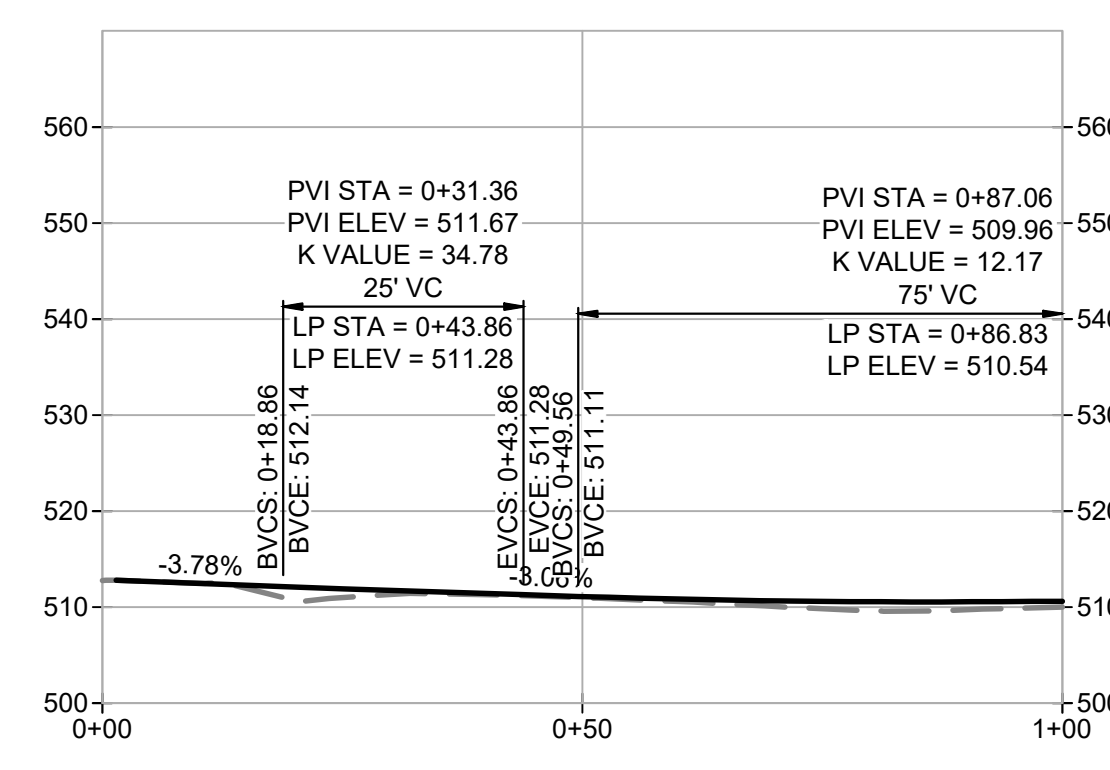
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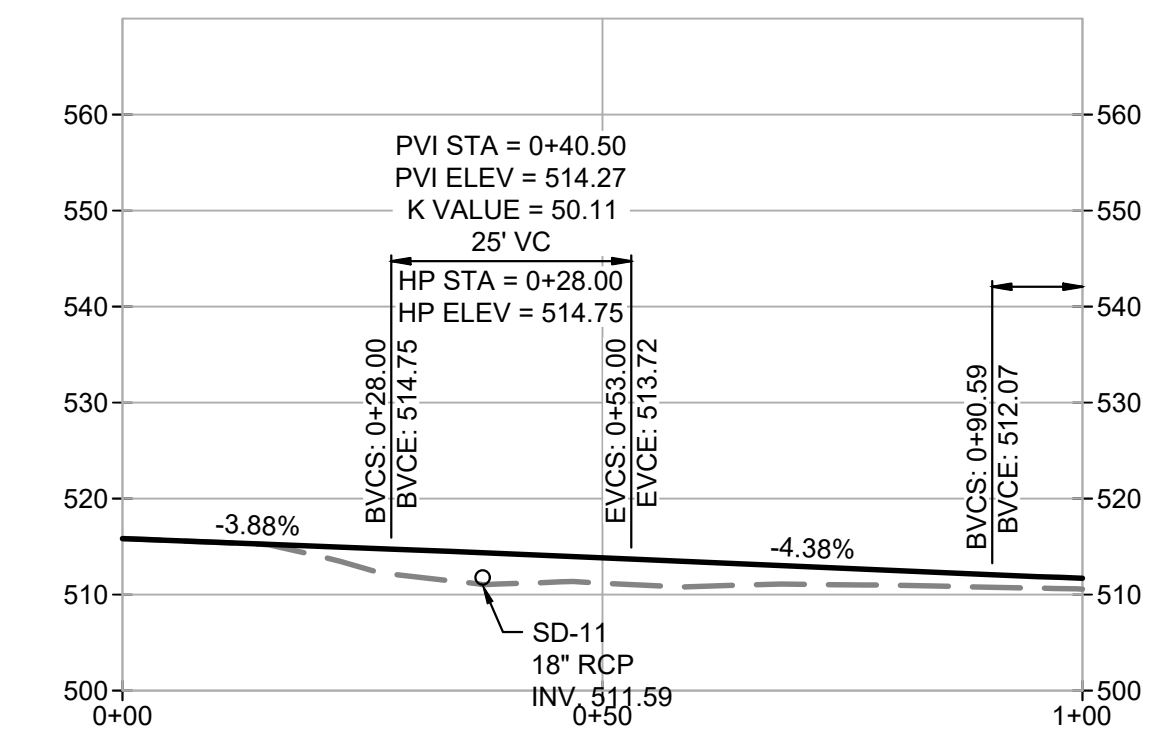
DW-10A PROFILE VIEW
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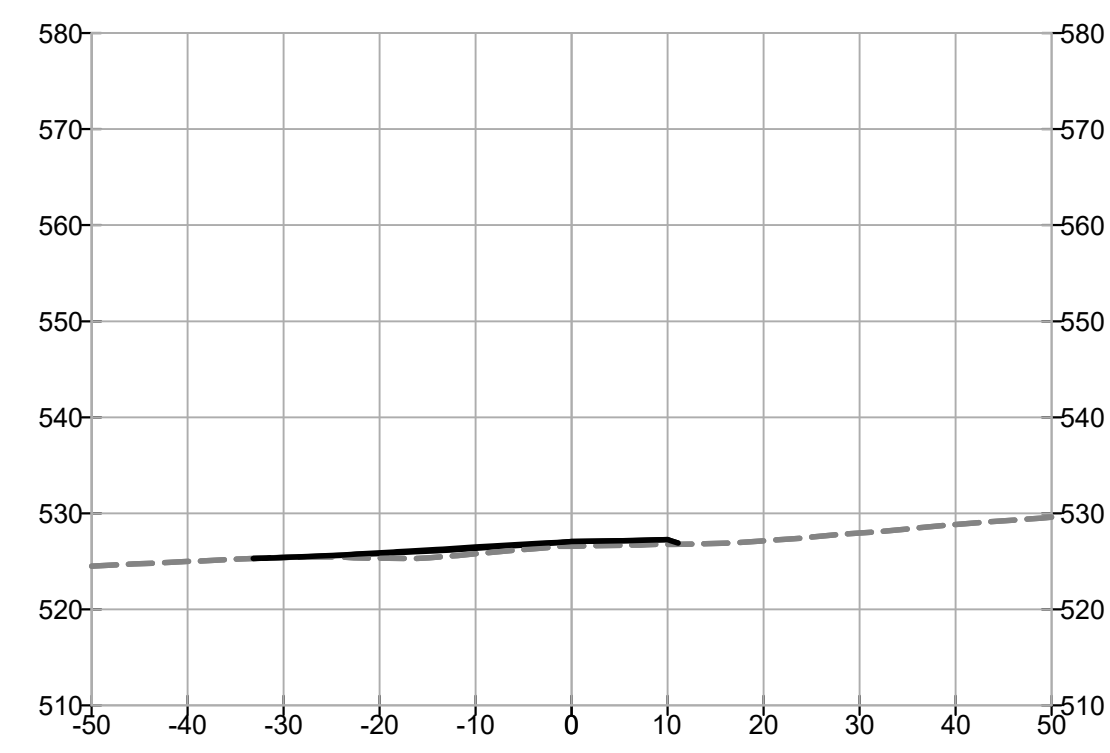
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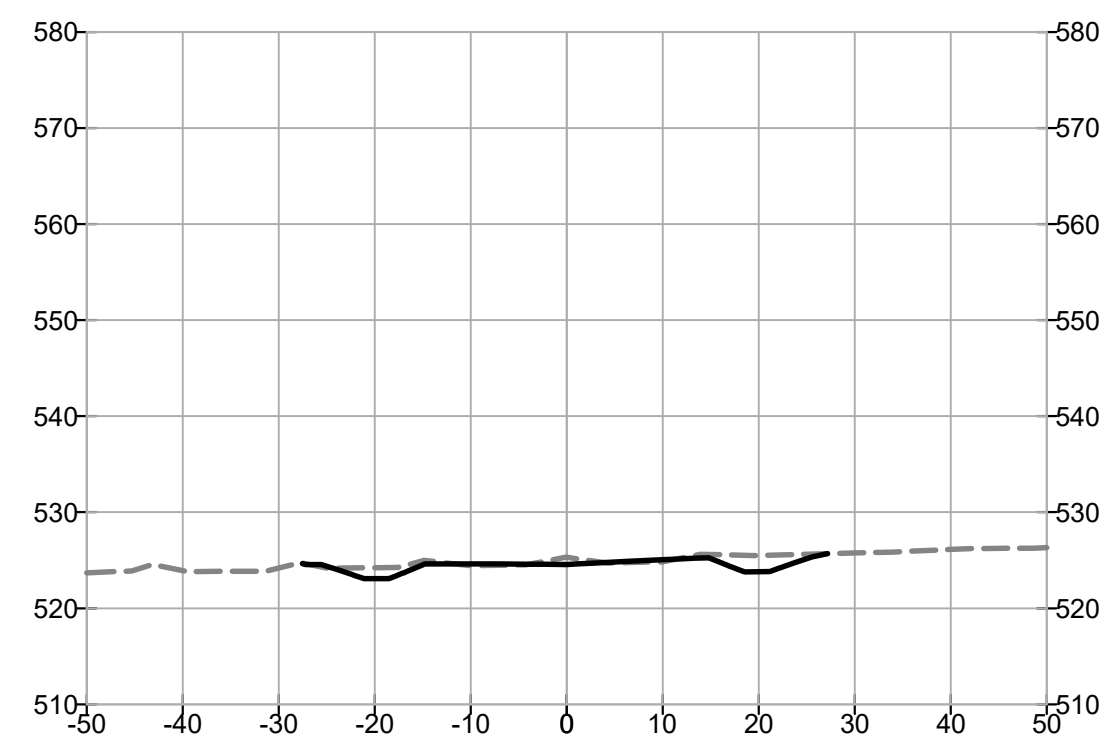
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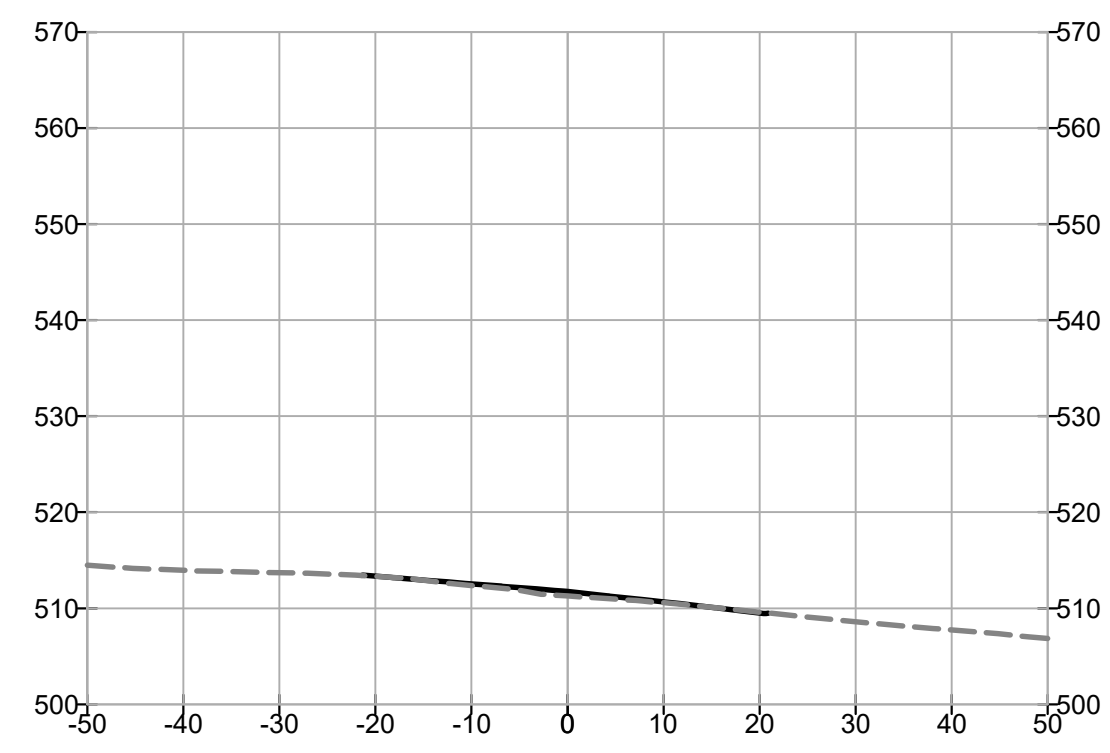
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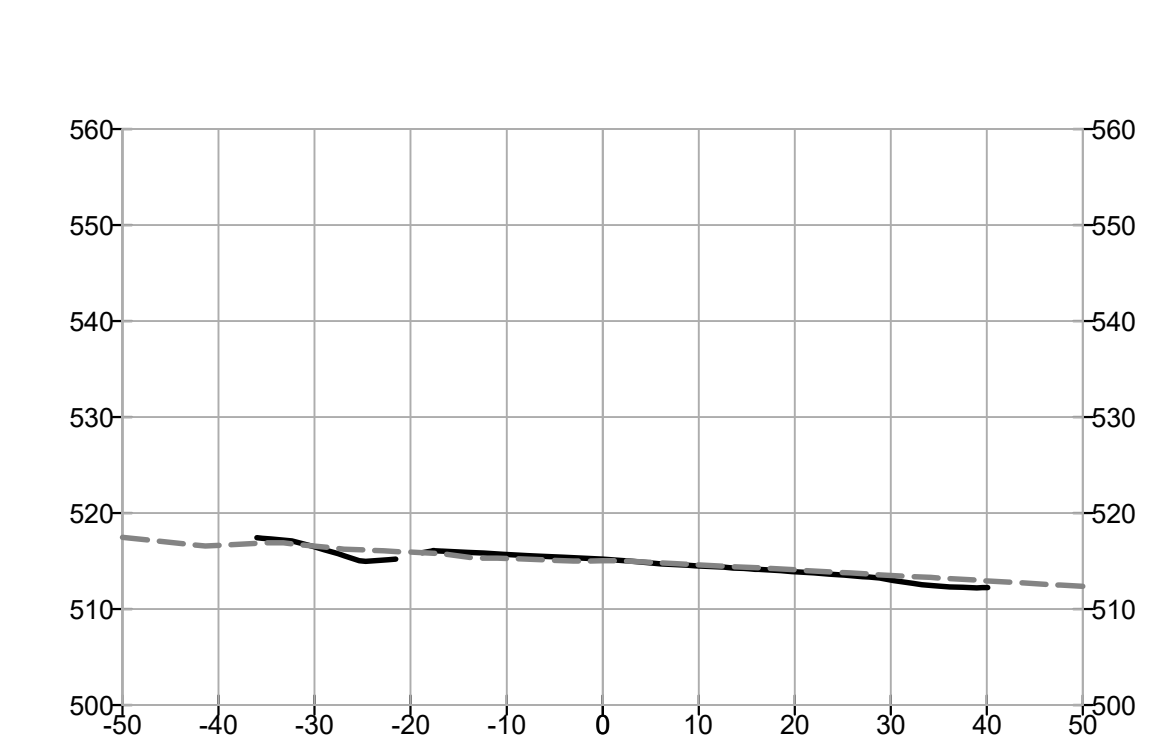
DW-10A SECTION VIEW
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DW-10B SECTION VIEW
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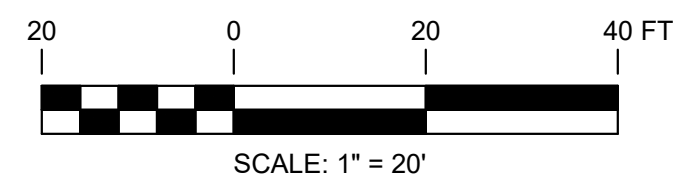


DW-10D SECTION VIEW
SCALE: 1" = 20'



DW-11 SECTION VIEW
SCALE: 1" = 20'

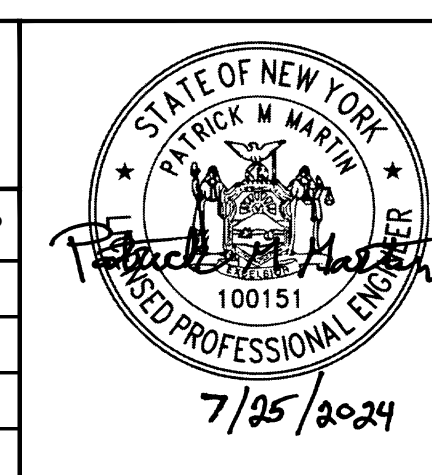
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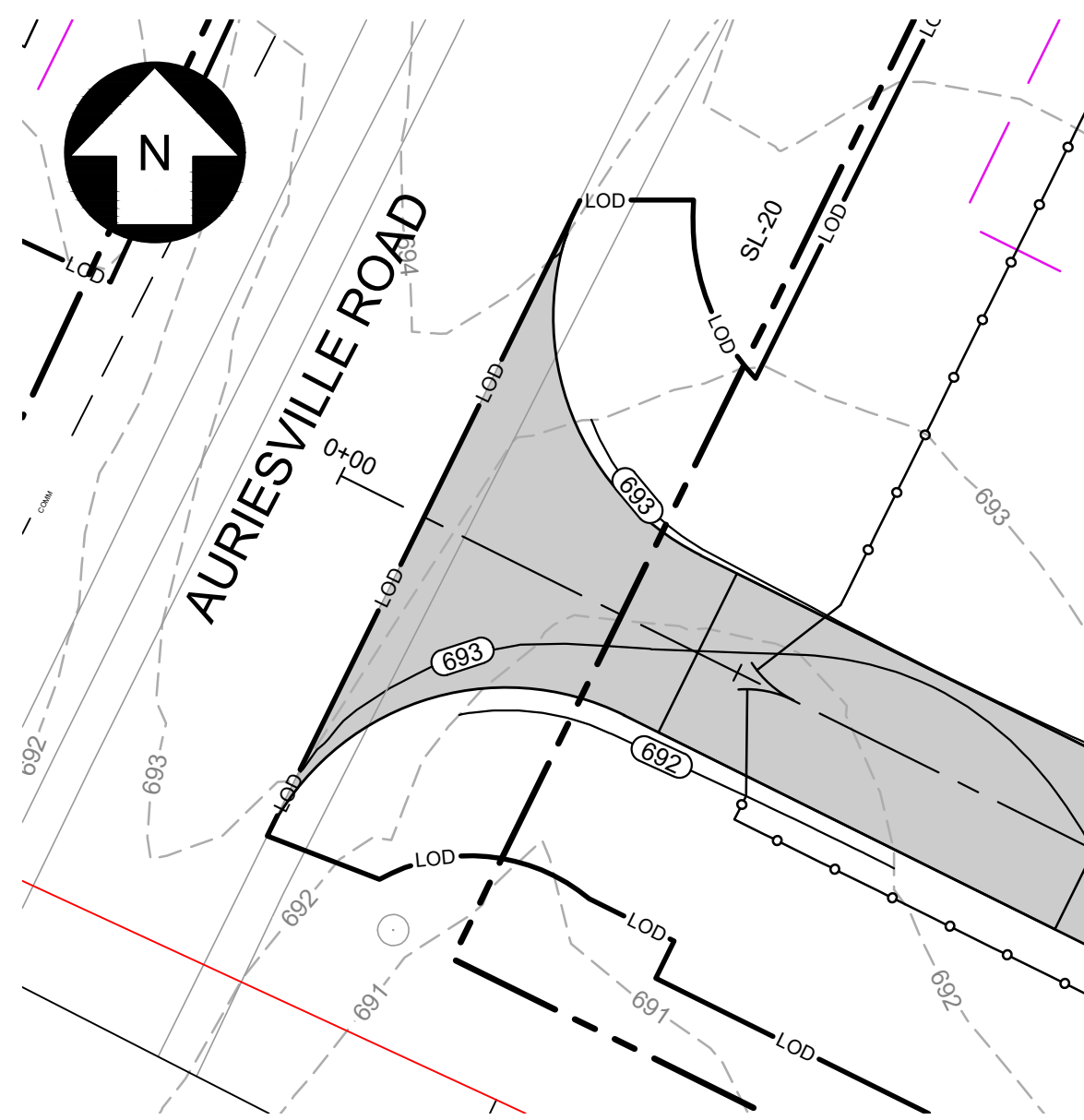
PRELIMINARY
NOT FOR CONSTRUCTION



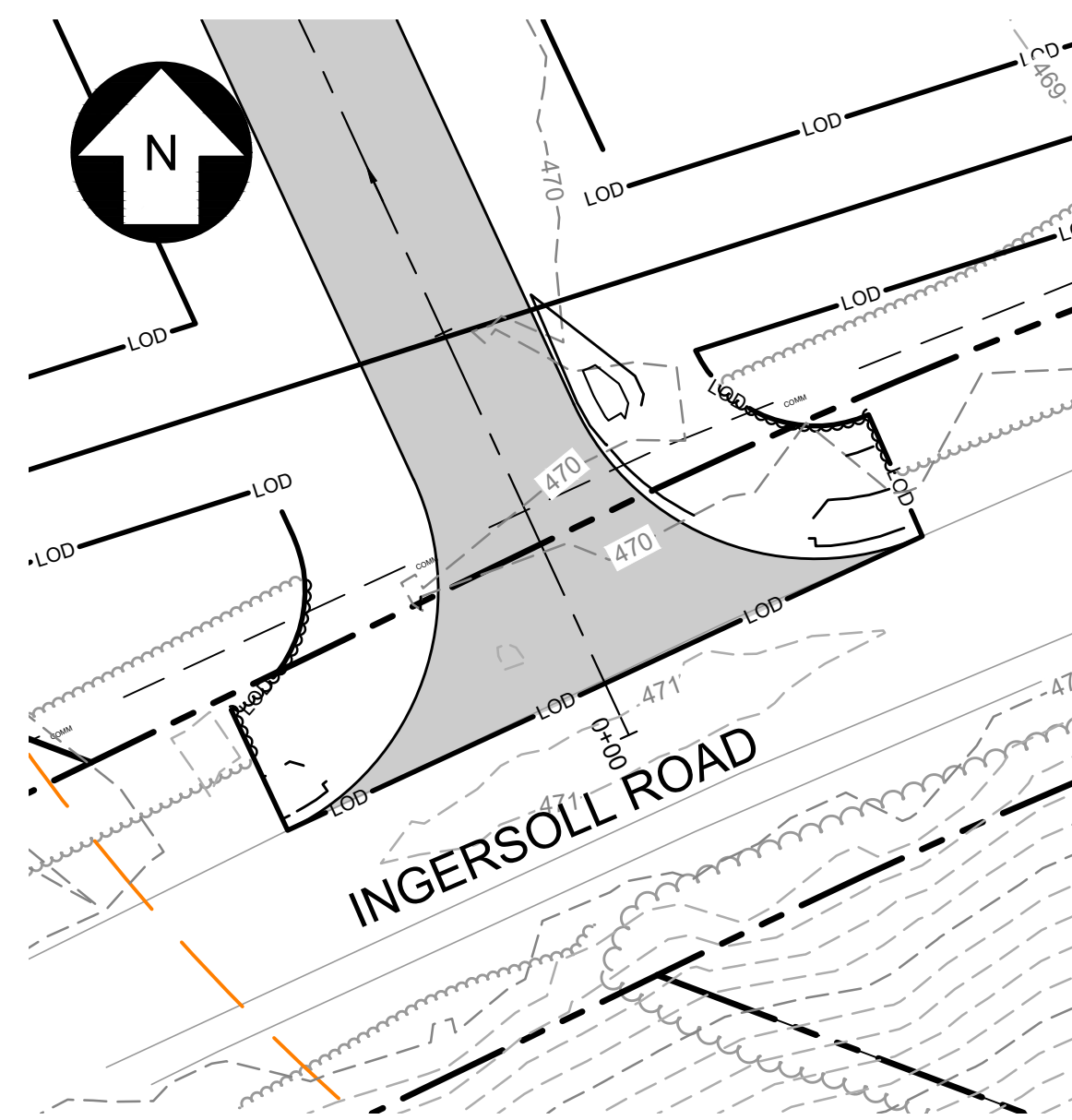
		249 Western Avenue Augusta, ME 04330		PROJECT NO: 443269		
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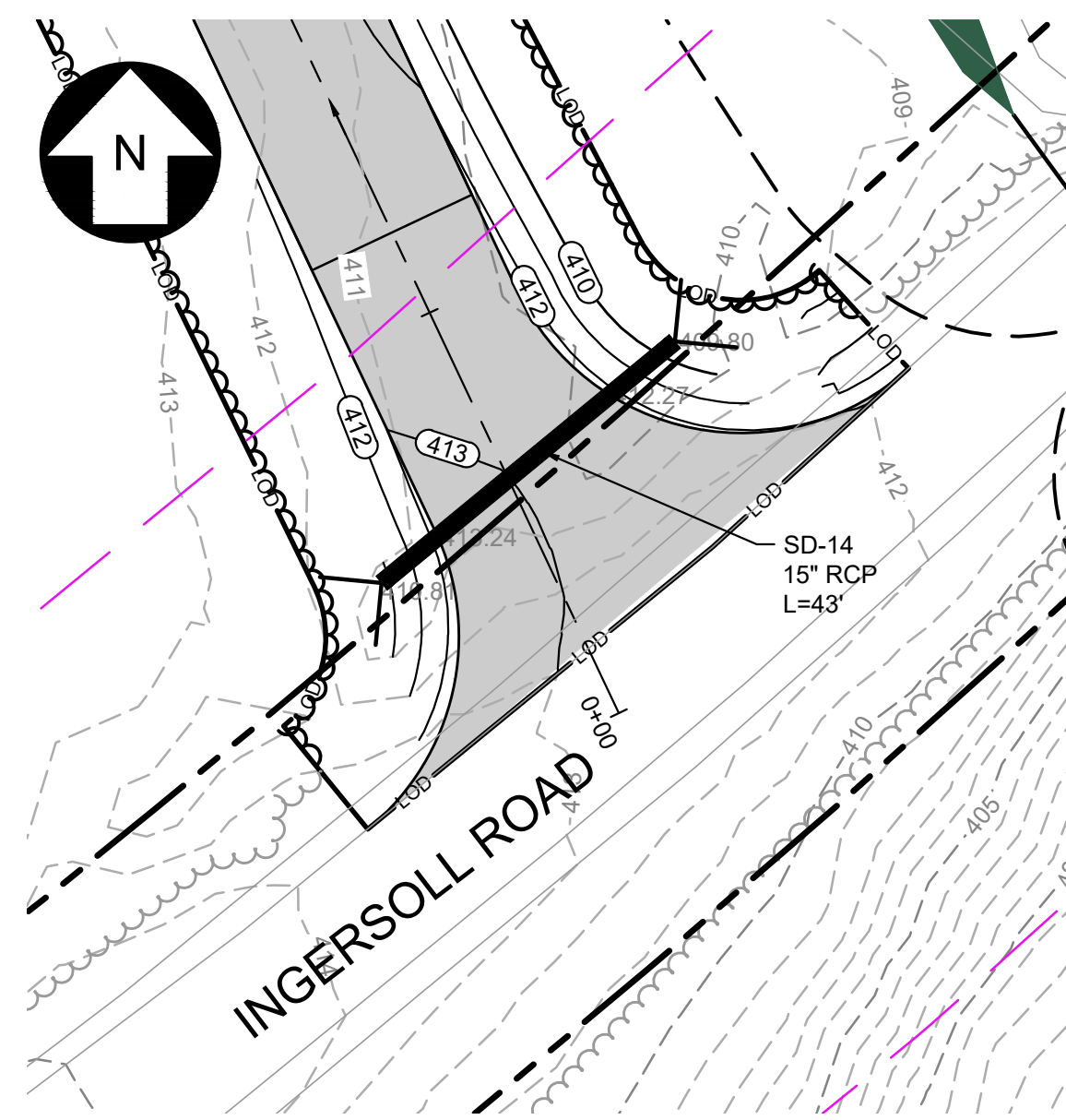
CMW DESIGNED CMW DRAWN PMM CHECKED APPROVED	MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC ENTRANCE DETAILS		GLEN	NEW YORK
REVIEW 1 REVIEW 2	01/15/2024 DATE 1" = 20" SCALE		MPS-C-106-05	REV. D



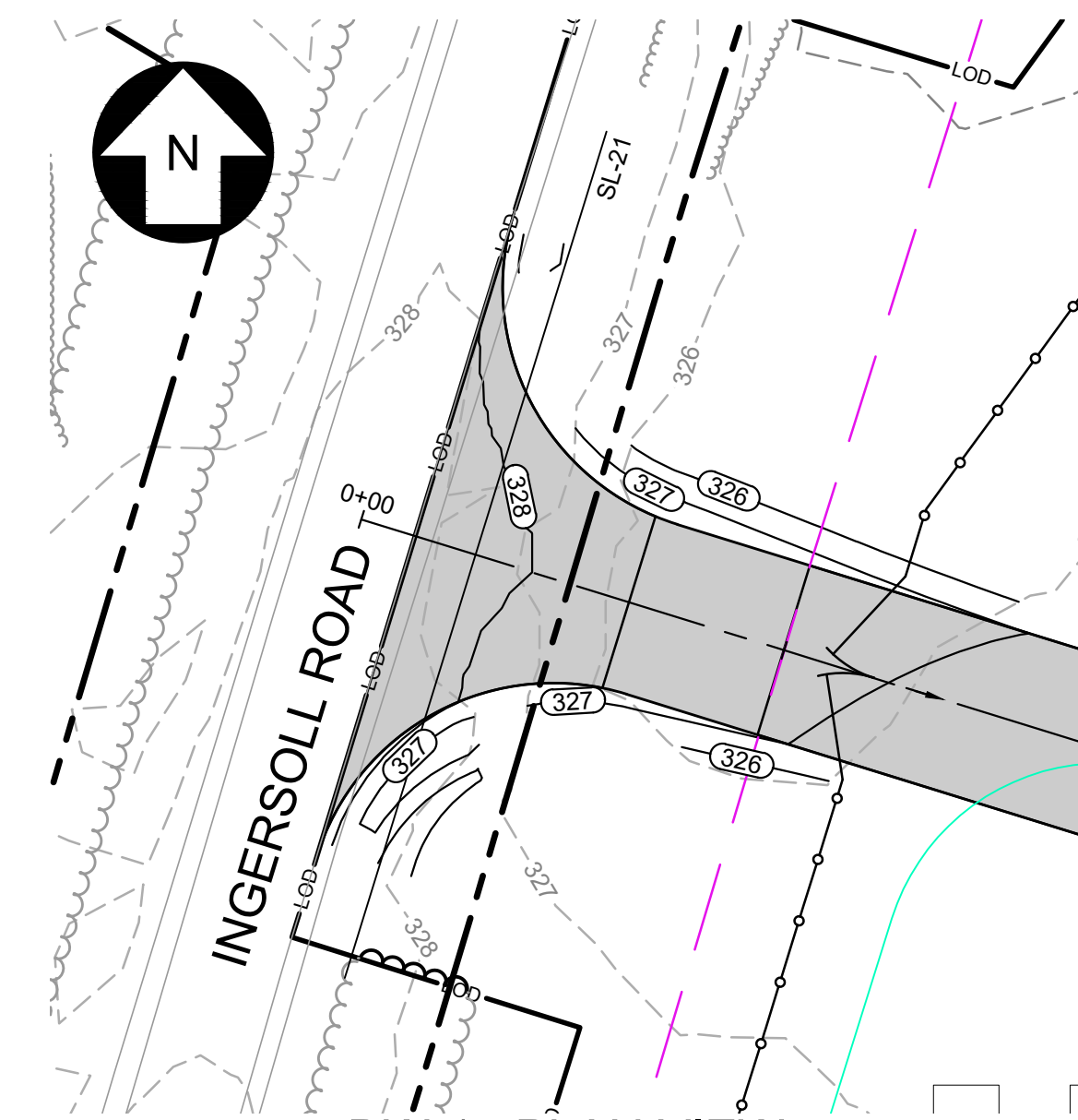
DW-12 PLAN VIEW
SCALE: 1" = 20'



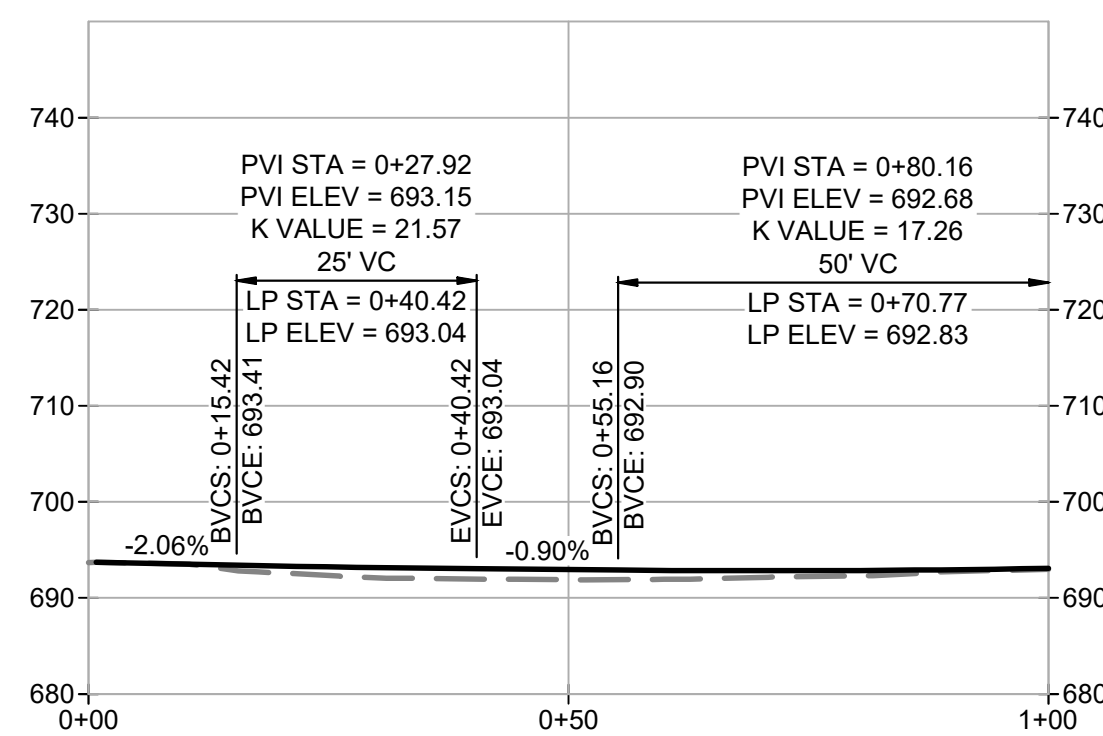
DW-13 PLAN VIEW
SCALE: 1" = 20'



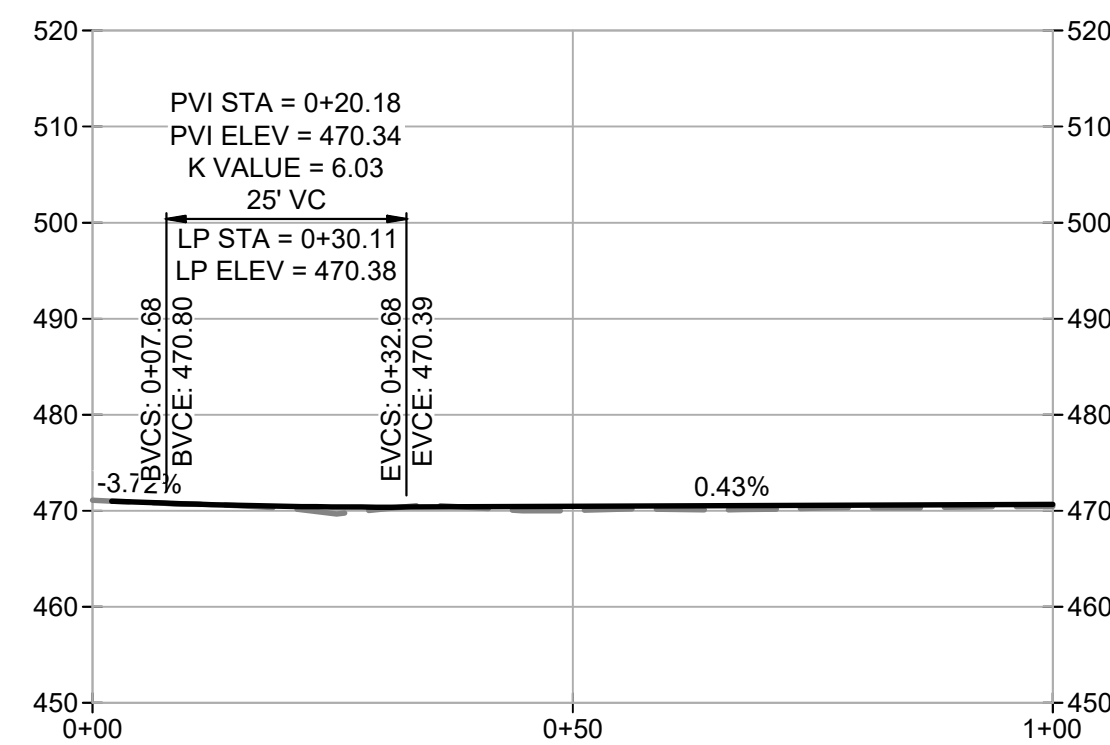
DW-14 PLAN VIEW
SCALE: 1" = 20'



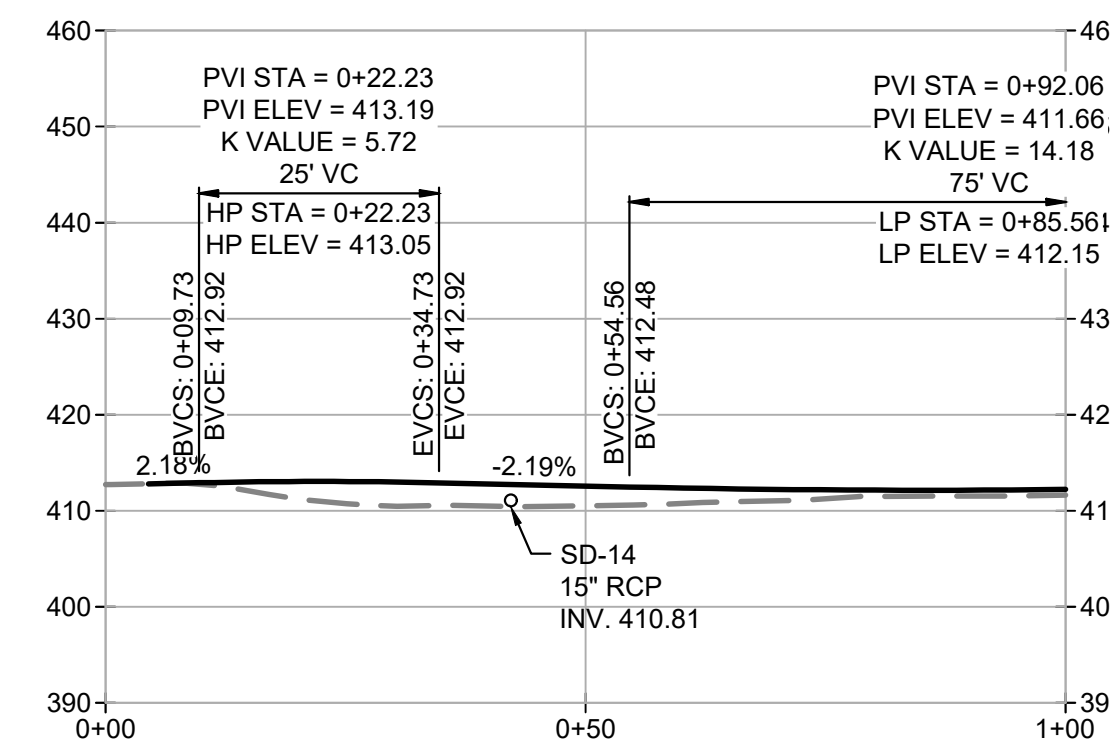
DW-15 PLAN VIEW
SCALE: 1" = 20'



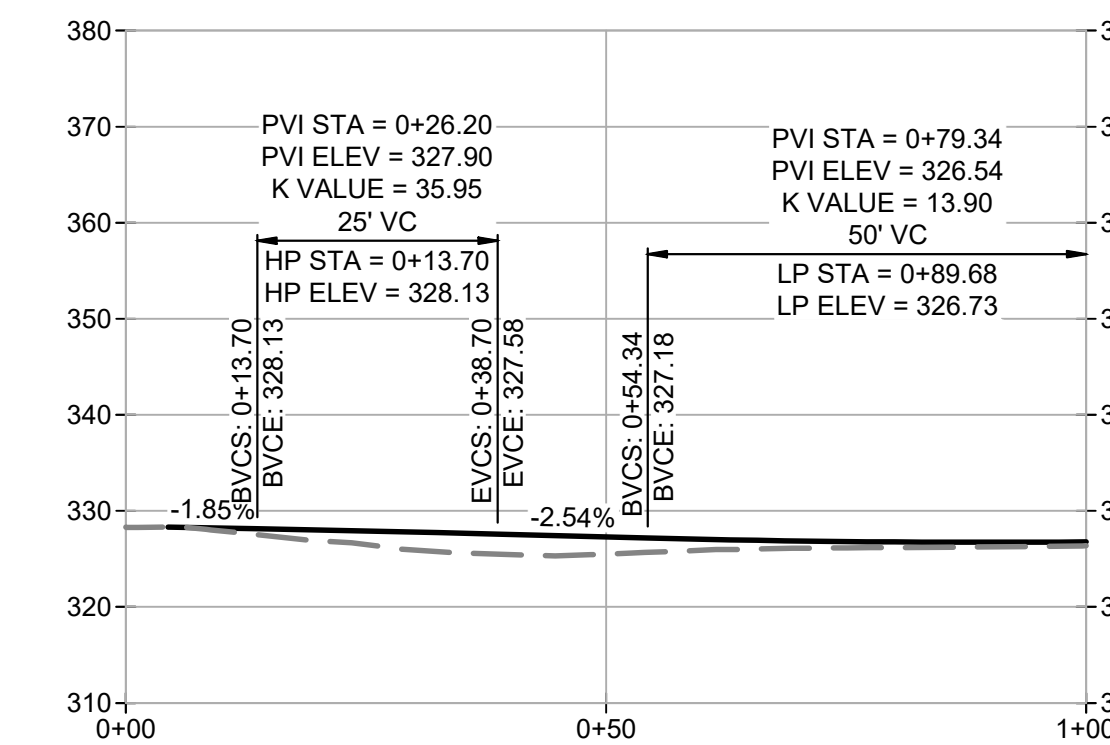
DW-12 PROFILE VIEW
SCALE: 1" = 20'



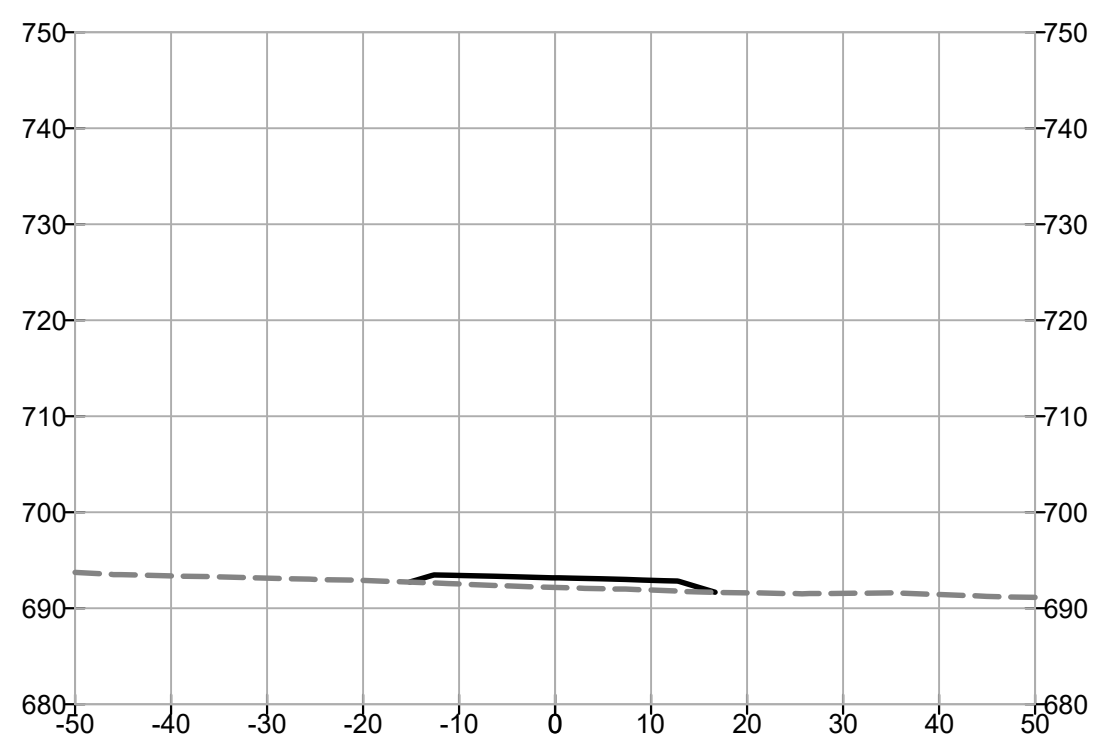
DW-13 PROFILE VIEW
SCALE: 1" = 20'



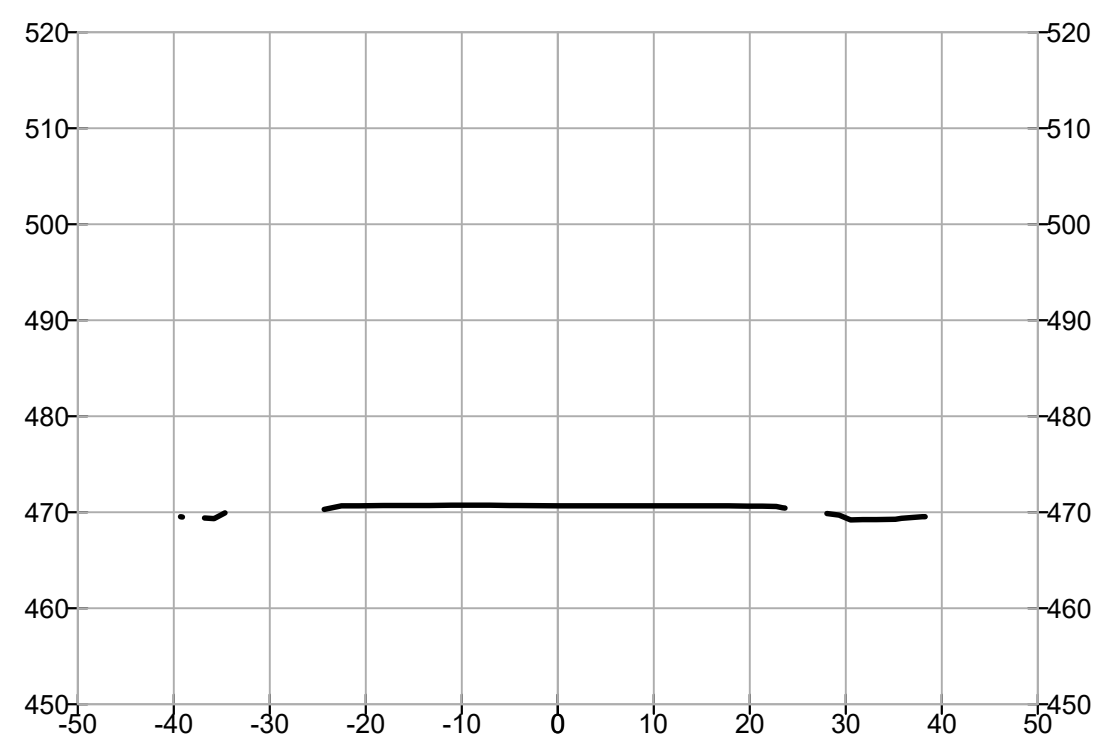
DW-14 PROFILE VIEW
SCALE: 1" = 20'



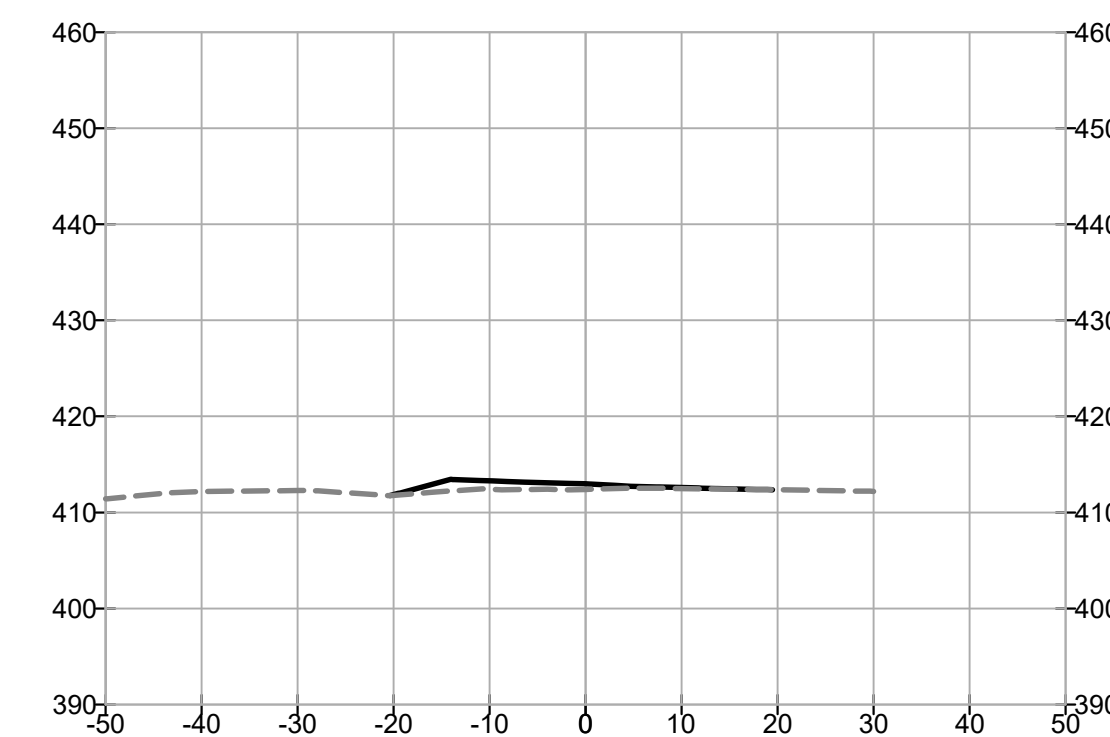
DW-15 PROFILE VIEW
SCALE: 1" = 20'



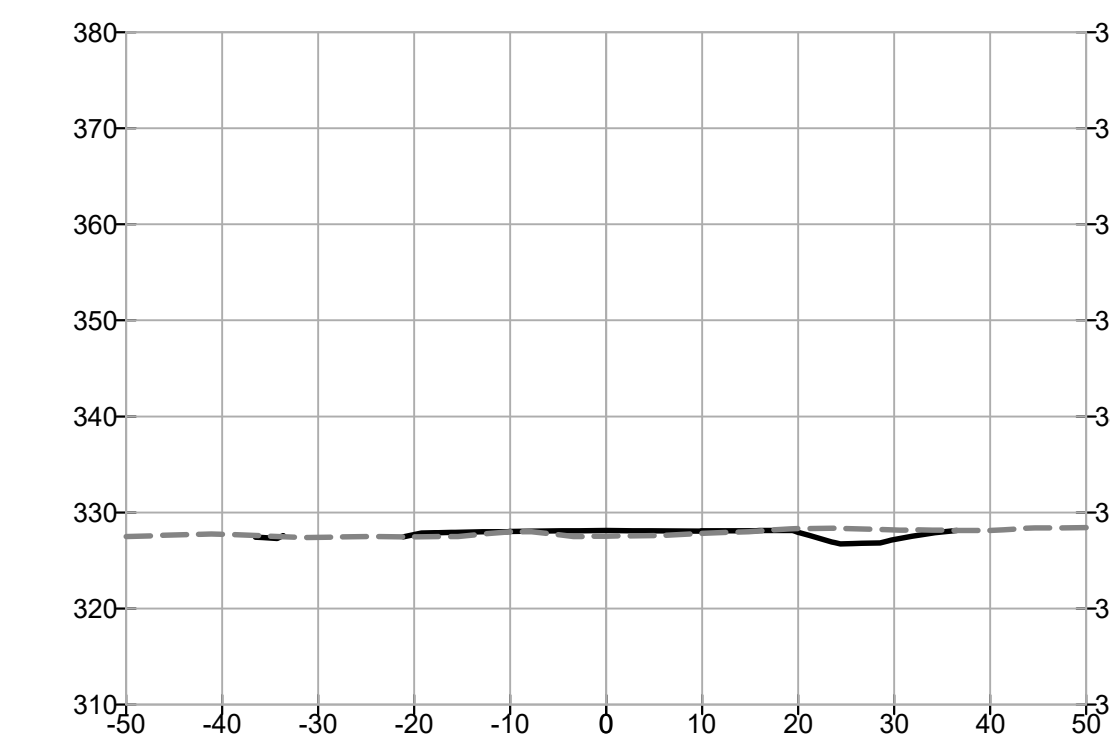
DW-12 SECTION VIEW
SCALE: 1" = 20'



DW-13 SECTION VIEW
SCALE: 1" = 20'

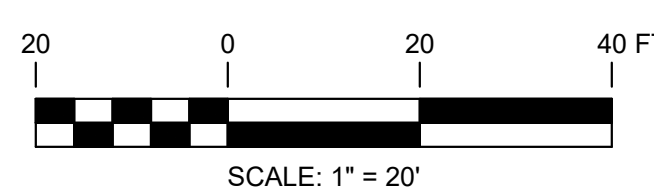


DW-14 SECTION VIEW
SCALE: 1" = 20'



DW-15 SECTION VIEW
SCALE: 1" = 20'

- NOTES:**
- CULVERTS ARE NOT PROPOSED WHERE COUNTY ROADS DO NOT HAVE AN EXISTING DRAINAGE DITCH.
 - ACCESS ROADS THAT SLOPE AWAY FROM COUNTY ROADS MAY NOT HAVE A SAG OR CULVERT WITHIN THE COUNTY RIGHT-OF-WAY.

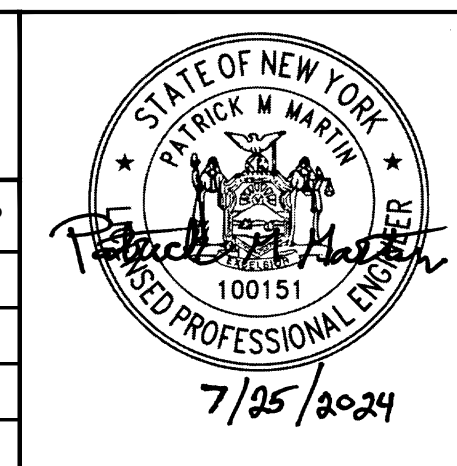


SCALE: 1" = 20'

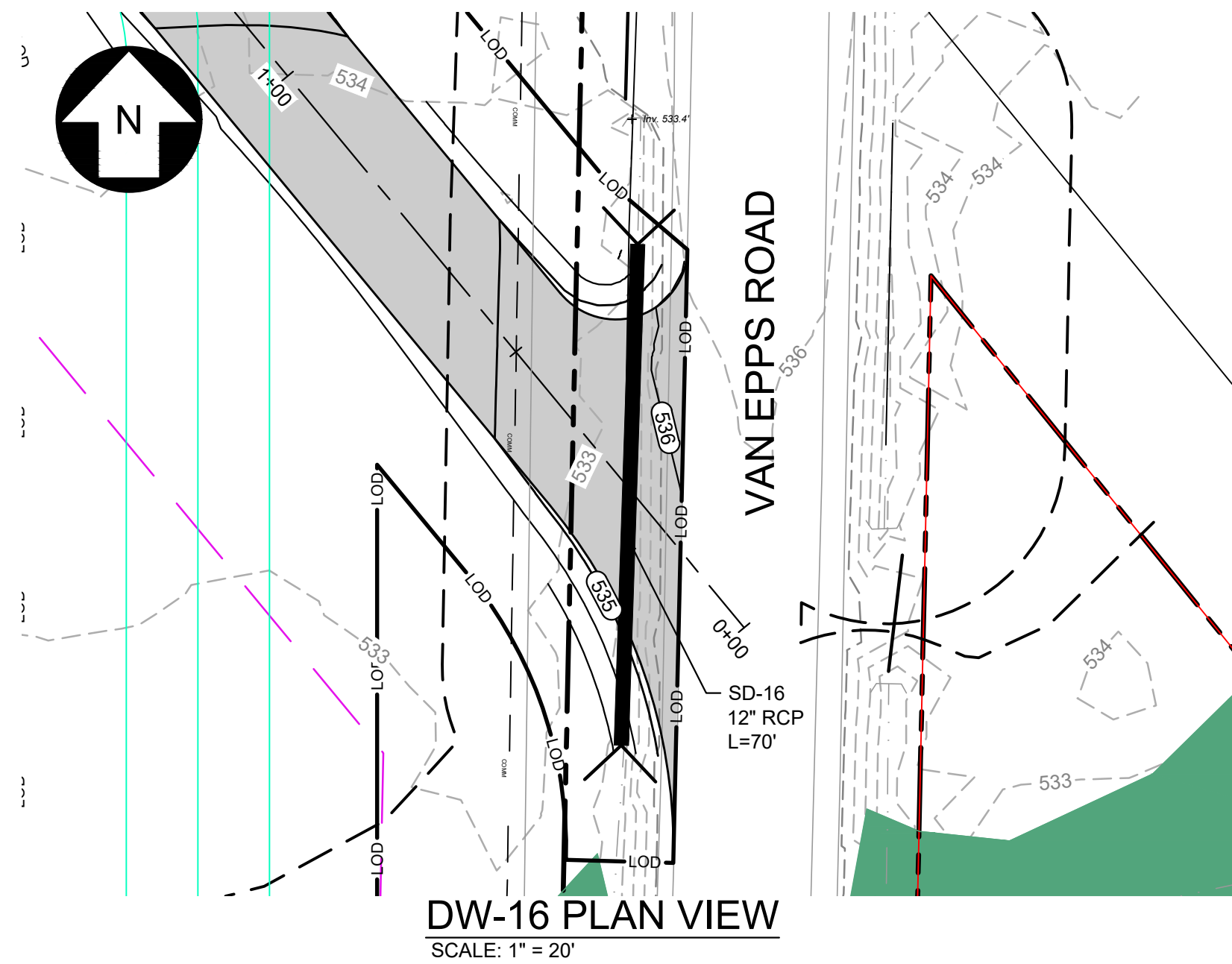
PRELIMINARY
NOT FOR CONSTRUCTION



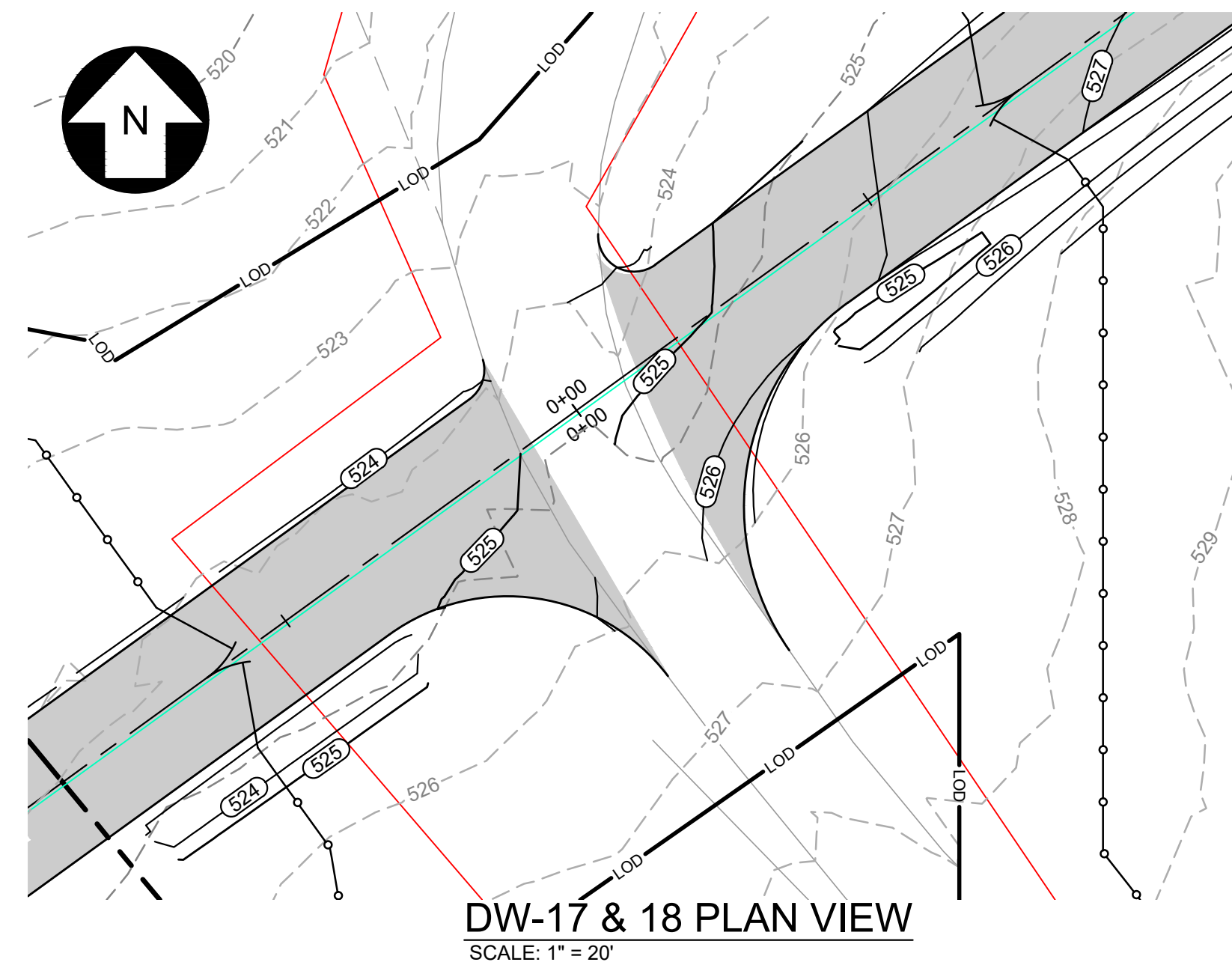
		249 Western Avenue Augusta, ME 04330		PROJECT NO: 443269		
REV	DESCRIPTION	DATE	DES	CHK	APP	
D	RE-ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	07/25/2024	CMW	PMM	PMM	
C	REVISED PER ORES REVIEW COMMENTS	06/28/2024	CMW	PMM	PMM	
B	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	05/31/2024	CMW	PMM	PMM	
A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM	



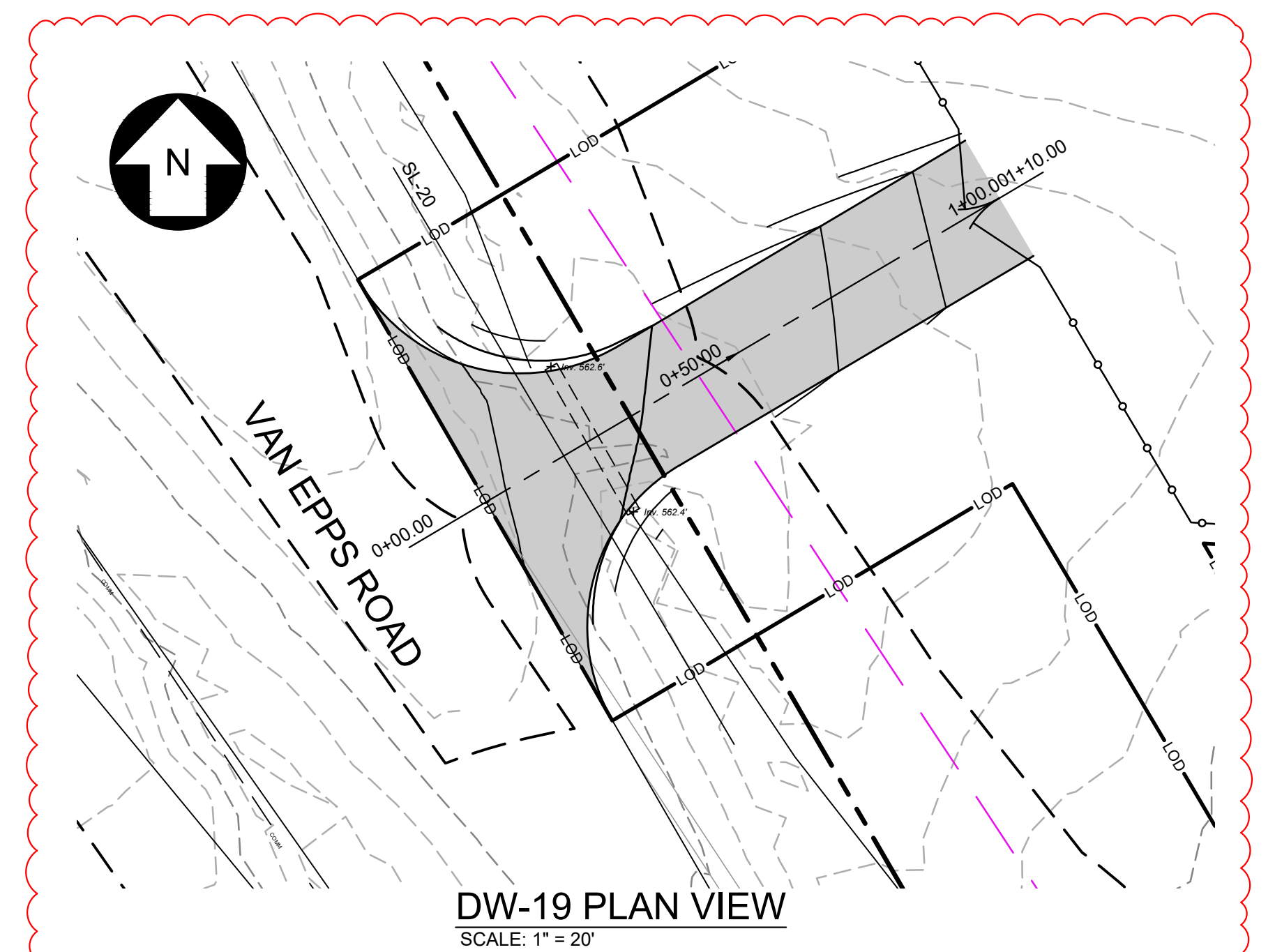
CMW DESIGNED CMW DRAWN PMM CHECKED APPROVED	MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC ENTRANCE DETAILS		GLEN NEW YORK
REVIEW 1 REVIEW 2	01/15/2024 DATE 1" = 20' SCALE		MPS-C-106-06 REV. D



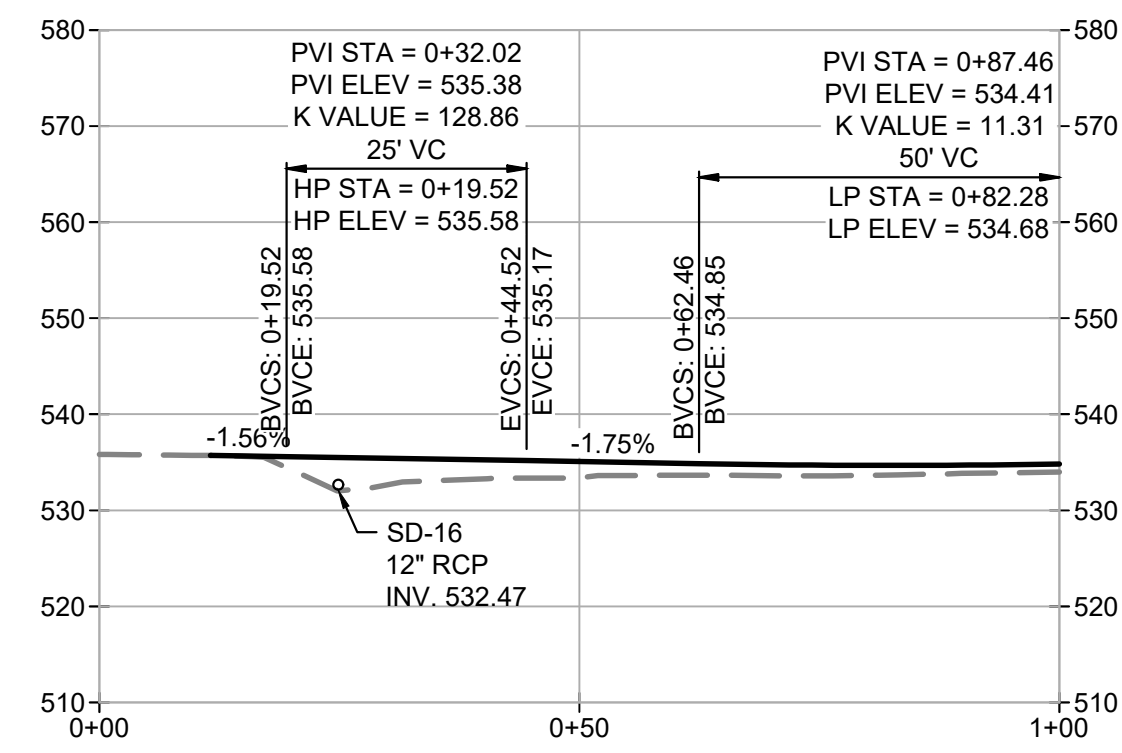
DW-16 PLAN VIEW
SCALE: 1" = 20'



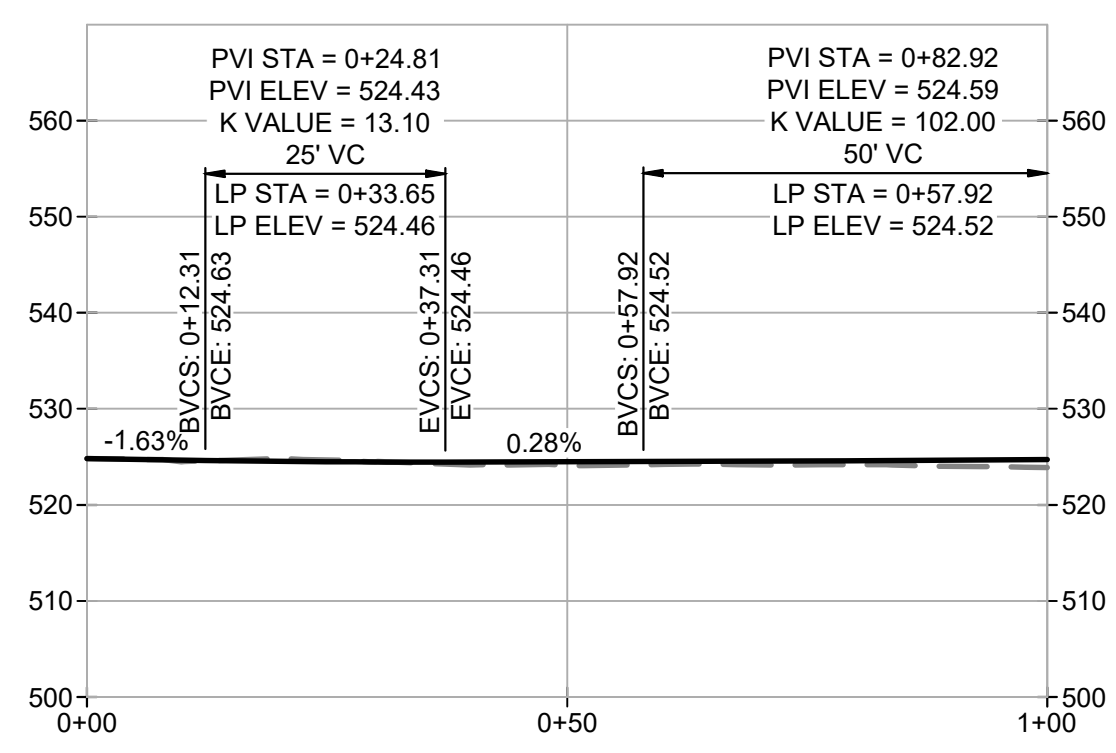
DW-17 & 18 PLAN VIEW
SCALE: 1" = 20'



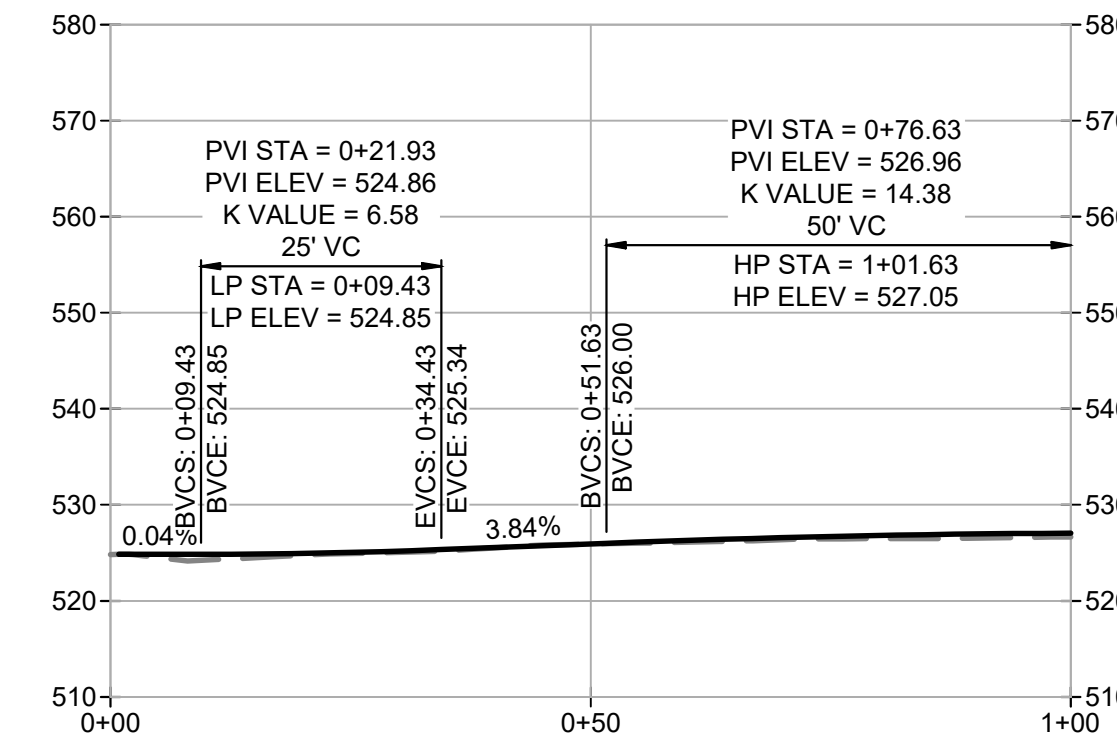
DW-19 PLAN VIEW
SCALE: 1" = 20'



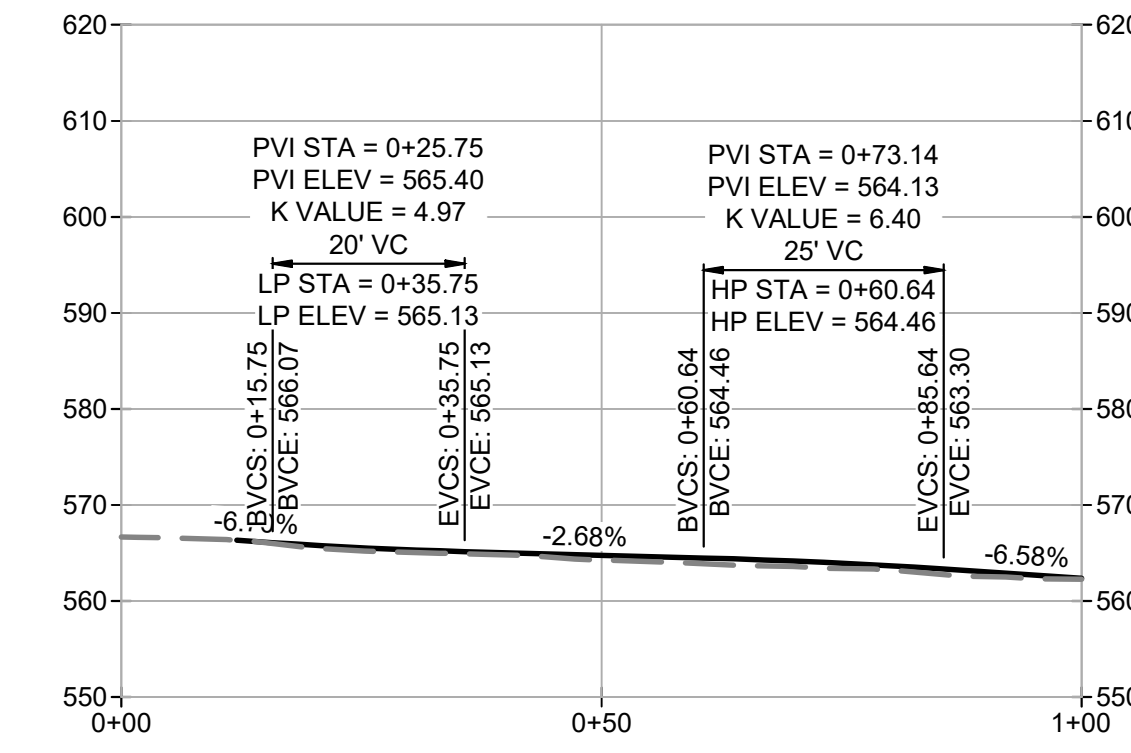
DW-16 PROFILE VIEW
SCALE: 1" = 20'



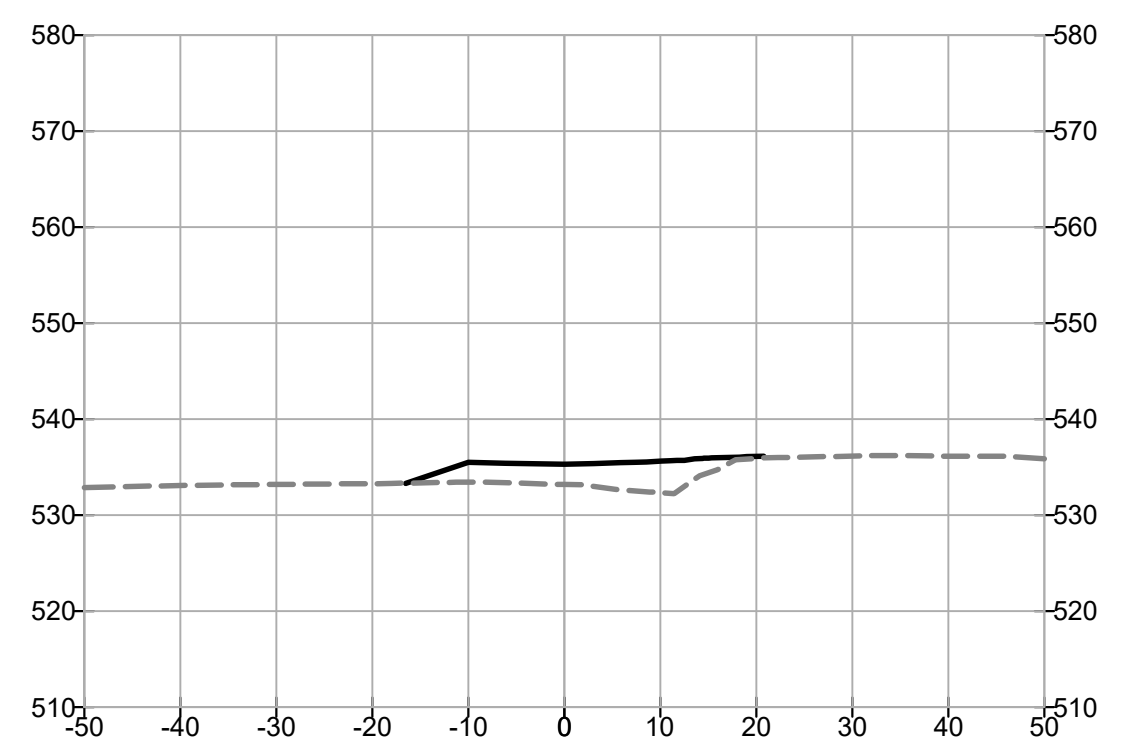
DW-17 PROFILE VIEW
SCALE: 1" = 20'



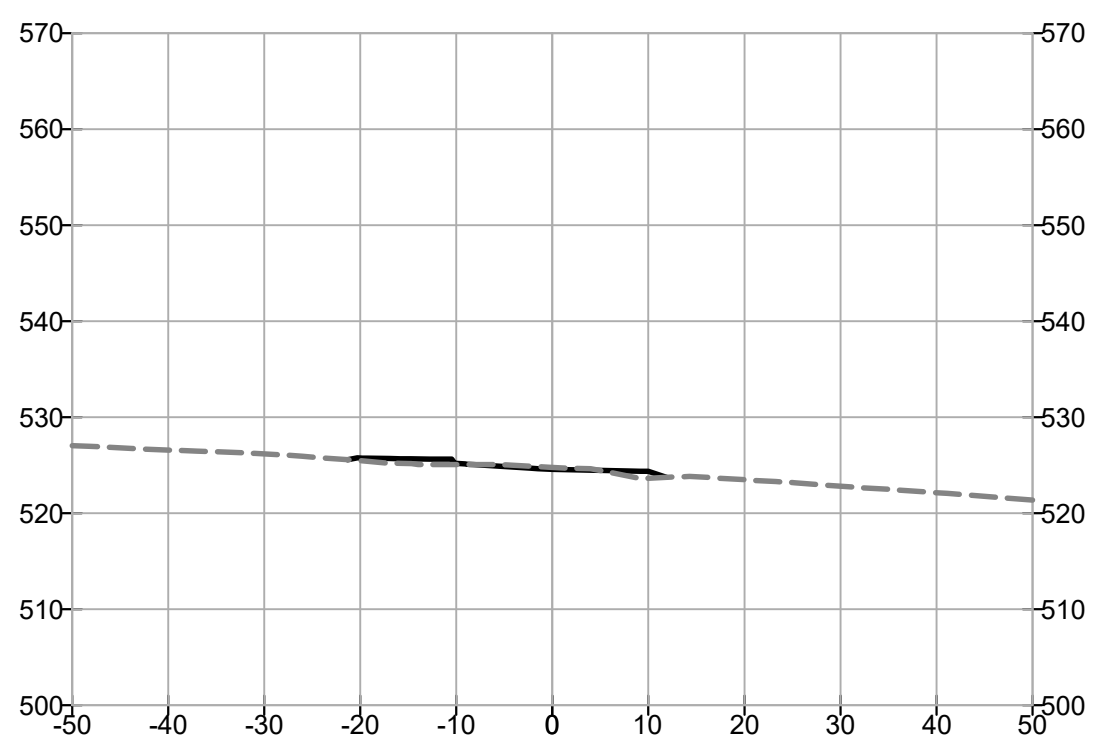
DW-18 PROFILE VIEW
SCALE: 1" = 20'



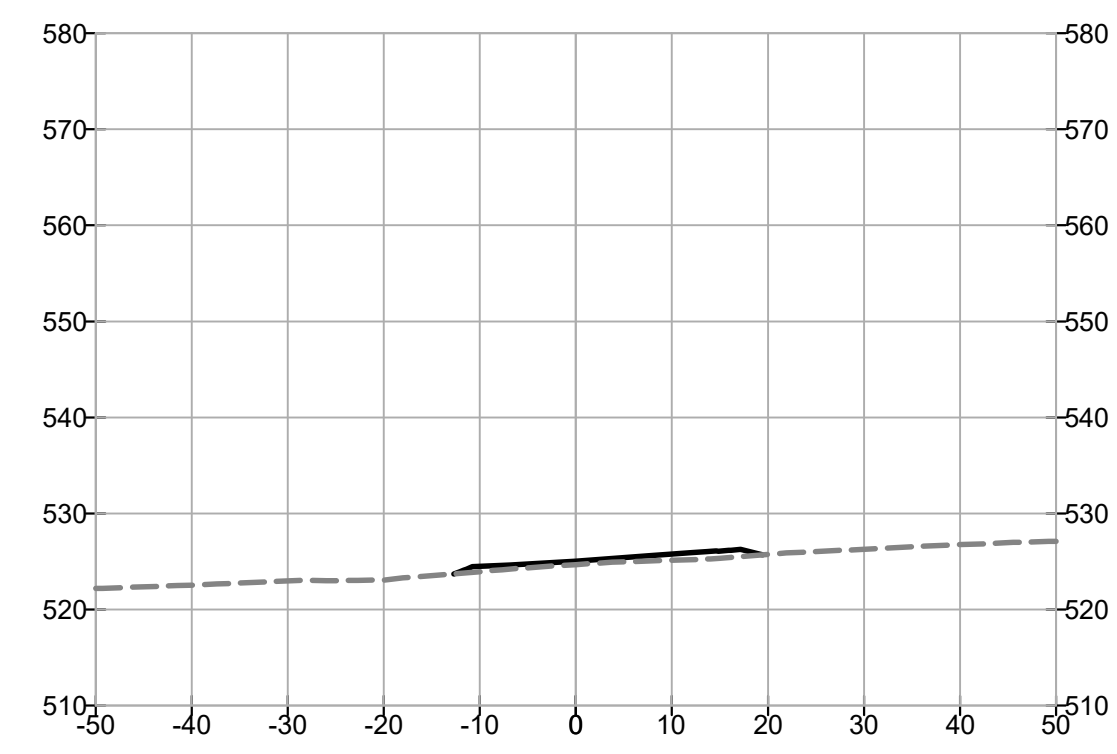
DW-19 PROFILE VIEW
SCALE: 1" = 20'



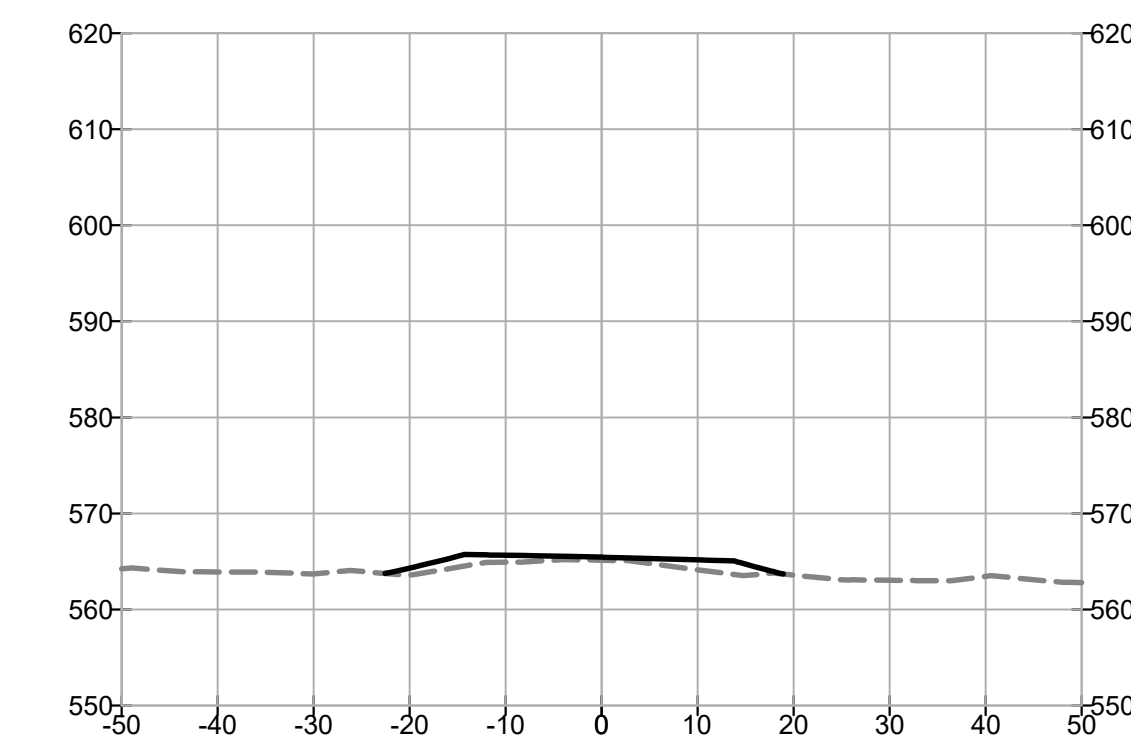
DW-16 SECTION VIEW
SCALE: 1" = 20'



DW-17 SECTION VIEW
SCALE: 1" = 20'

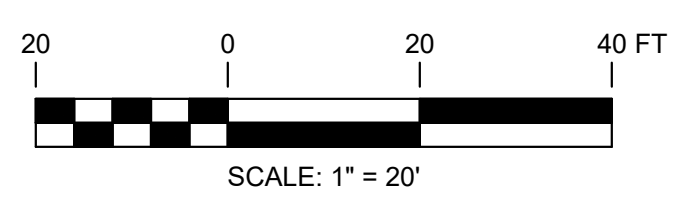


DW-18 SECTION VIEW
SCALE: 1" = 20'



DW-19 SECTION VIEW
SCALE: 1" = 20'

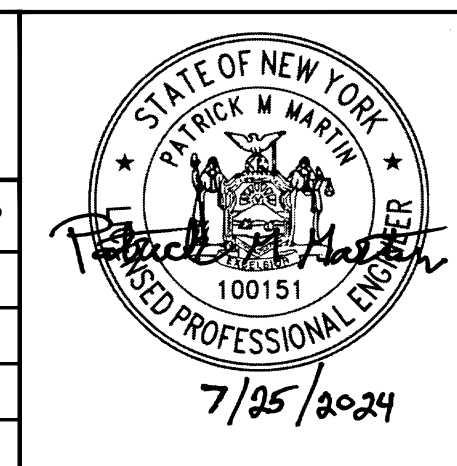
- NOTES:
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PRELIMINARY
NOT FOR CONSTRUCTION



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REV	DESCRIPTION	DATE	DES	CHK	APP	
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A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM	



CMW DESIGNED CMW DRAWN PMM CHECKED APPROVED	MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC ENTRANCE DETAILS		GLEN	NEW YORK
REVIEW 1 REVIEW 2	01/15/2024 DATE 1" = 20" SCALE		MPS-C-106-07	REV. D

DRIVEWAY OPENING LAYOUT:

THERE ARE TWO RECOMMENDED DRIVEWAY OPENING WIDENING METHODS: (1.) THE RADIUS METHOD, WHICH UTILIZES A CIRCULAR ARC TO WIDEN THE DRIVEWAY, AND (2.) THE TAPER METHOD, WHICH UTILIZES A STRAIGHT TAPER WIDENING OUT AT AN ESTABLISHED FLARE RATE.

THE RADIUS METHOD IS THE TYPICAL METHOD, ALTHOUGH THE TAPER METHOD IS A REASONABLE ALTERNATIVE FOR URBAN AREAS AND OTHER AREAS WHERE IT MIGHT BETTER MATCH THE HIGHWAY CORRIDOR AESTHETICS AND FUNCTIONALITY. SEE TABLE 4 - DRIVEWAY ENTRANCE TYPE SELECTION ON SHEET 2 FOR ADDITIONAL VARIABLES CONCERNING THE SELECTION OF A DRIVEWAY OPENING WIDENING METHOD.

RADIUS METHOD OF LAYOUT:

- STEP 1. LOCATE AN OFFSET LINE 11' PARALLEL FROM THE INSIDE EDGE OF THE OUTERMOST TRAVEL LANE.
- STEP 2. SCRIBE A LINE PARALLEL TO THE OFFSET LINE, OFFSET "R" FEET (SEE TABLE 6).
- STEP 3. SCRIBE A LINE PARALLEL TO THE EDGE OF DRIVEWAY (NEAR SIDE), OFFSET "R" FEET.
- STEP 4. FIND THE CENTER POINT OF THE CORNER RADIUS ARC, WHICH IS LOCATED AT THE INTERSECTION OF THE LINES FROM STEPS 2 AND 3.
- STEP 5. FROM THE CENTER POINT, SCRIBE AN ARC WITH RADIUS "R", WHICH IS TANGENT TO BOTH THE OFFSET LINE AND THE EDGE OF DRIVEWAY. THE ARC SHOULD INTERSECT THE LINES AT THE DISTANCES "X" LISTED IN TABLE 7. DISTANCES IN TABLE 7 ARE AS MEASURED FROM THE INTERSECTION POINT OF THE OFFSET LINE (NOT THE EDGE OF TRAVEL LANE) AND THE PROJECTED EDGE OF DRIVEWAY TO EITHER OF THE ARC TANGENT POINTS (SAME DISTANCE ALONG THE OFFSET LINE OR ALONG THE PROJECTED EDGE OF DRIVEWAY).
- STEP 6. FIND THE DRIVEWAY OPENING LIMIT POINT WHICH IS WHERE THE ARC INTERSECTS THE HIGHWAY EDGE OF PAVEMENT.
- STEP 7. REPEAT STEPS 1 - 6 FOR THE OTHER SIDE OF THE DRIVEWAY OPENING.

FIELD LAYOUT NOTES:

FOR THE RADIUS METHOD OF LAYOUT, IF OBSTRUCTIONS HINDER THE ABILITY TO SCRIBE THE CORNER ANGLE ARC FROM THE CENTER POINT, LOCATE POINTS ALONG THE ARC BY USING "Y" VALUES FROM TABLES 9 THROUGH 11 ON SHEET 4 AT VARIOUS DRIVEWAY OFFSETS ("Y" IS MEASURED FROM THE PROJECTED EDGE OF DRIVEWAY TO THE ARC).

TAPER METHOD OF LAYOUT:

TAPER METHOD OF LAYOUT IS NOT RECOMMENDED FOR DRIVEWAYS WITH CORNER ANGLES LESS THAN 80° OR GREATER THAN 100°, NOR IS IT RECOMMENDED FOR DRIVEWAYS WITH A DRIVEWAY OFFSET (OUTER TRAVEL LANE + PAVED SHOULDER) LESS THAN 16', UNLESS IT CAN BE FIELD VERIFIED THAT THE DRIVEWAY ENTRANCE WIDTH WILL ACCOMMODATE THE VEHICLES THAT USE THE DRIVEWAY ON A REGULAR BASIS.

- STEP 1. SCRIBE A LINE (LAYOUT LINE) OFFSET THE APPROPRIATE 'LAYOUT DISTANCE' (SEE TABLE 8) FROM THE INSIDE EDGE OF THE OUTERMOST TRAVEL LANE.
- STEP 2. LOCATE THE TAPER LAYOUT POINT, WHICH IS AT THE INTERSECTION OF THE EDGE OF DRIVEWAY AND THE LAYOUT LINE.
- STEP 3. SCRIBE A 1:T' (SEE TABLE 8) TAPER FROM THE LAYOUT POINT TO THE EDGE OF PAVEMENT (WITH 'T' BEING PERPENDICULAR TO THE EDGE OF TRAVEL LANE).
- STEP 4. FIND THE DRIVEWAY OPENING LIMIT POINT WHICH IS WHERE THE TAPER INTERSECTS THE EDGE OF PAVEMENT.
- STEP 5. REPEAT STEPS 1 - 4 FOR THE OTHER SIDE OF THE DRIVEWAY OPENING.

ALTERNATE TAPER METHOD OF LAYOUT:

FOLLOW THE STEPS AS PER THE ABOVE TAPER LAYOUT METHOD, EXCEPT FOR STEPS 3 AND 4. LOCATE THE DRIVEWAY OPENING LIMIT BY USING THE APPROPRIATE "Y" VALUE FROM EITHER TABLE 12 OR 13 ON SHEET 4. "Y" IS THE DISTANCE BETWEEN THE DRIVEWAY OPENING LIMIT AND THE INTERSECTION POINT OF THE PROJECTED EDGE OF DRIVEWAY AND THE EDGE OF PAVEMENT.

DRIVEWAY CLASSIFICATION	"R"
RESIDENTIAL "W" ≤ 13'	16'
RESIDENTIAL "W" > 13'	13'
MINOR COMMERCIAL (ALL WIDTHS)	33'

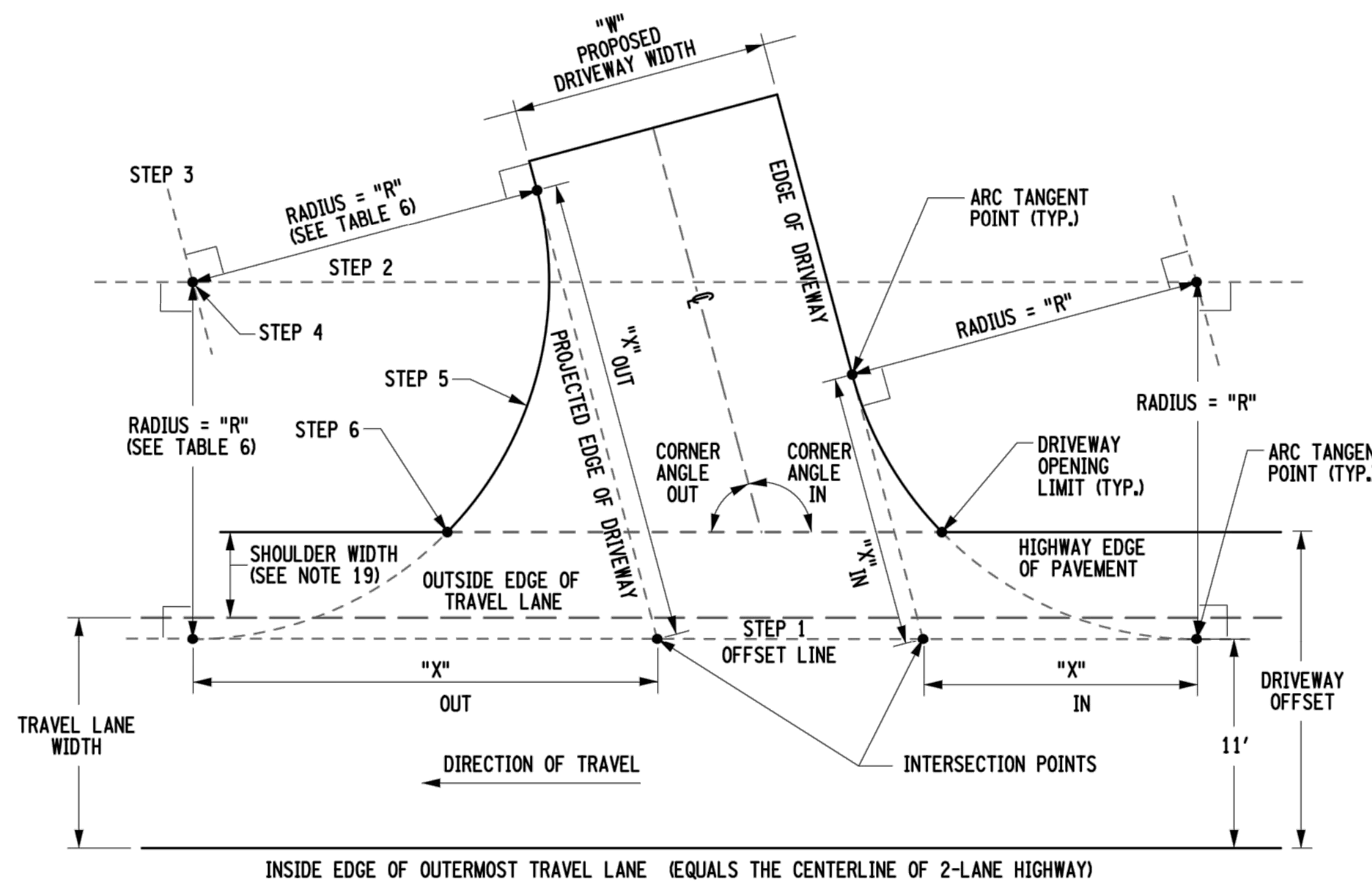
CORNER ANGLE	"X" FT.		
	RESIDENTIAL DRIVEWAY ≤ 13' WIDE (R=16')	RESIDENTIAL DRIVEWAY > 13' WIDE (R=13')	MINOR COMMERCIAL DRIVEWAY (R=33')
60°	27.7	22.5	57.2
65°	25.1	20.4	51.8
70°	22.8	18.6	47.1
75°	20.8	16.9	43.0
80°	19.1	15.5	39.3
85°	17.5	14.2	36.0
90°	16.0	13.0	33.0
95°	14.7	11.9	30.2
100°	13.4	10.9	27.7
105°	12.3	10.0	25.3
110°	11.2	9.1	23.1
115°	10.2	8.3	21.0
120°	9.2	7.5	19.0

DRIVEWAY CLASSIFICATION	TAPER (1:T')	LAYOUT DISTANCE
RESIDENTIAL	1:2	28'
MINOR COMMERCIAL	1:1½	41'

LAYOUT DISTANCE IS MEASURED FROM THE INSIDE EDGE OF OUTERMOST TRAVEL LANE, TO THE LAYOUT LINE.

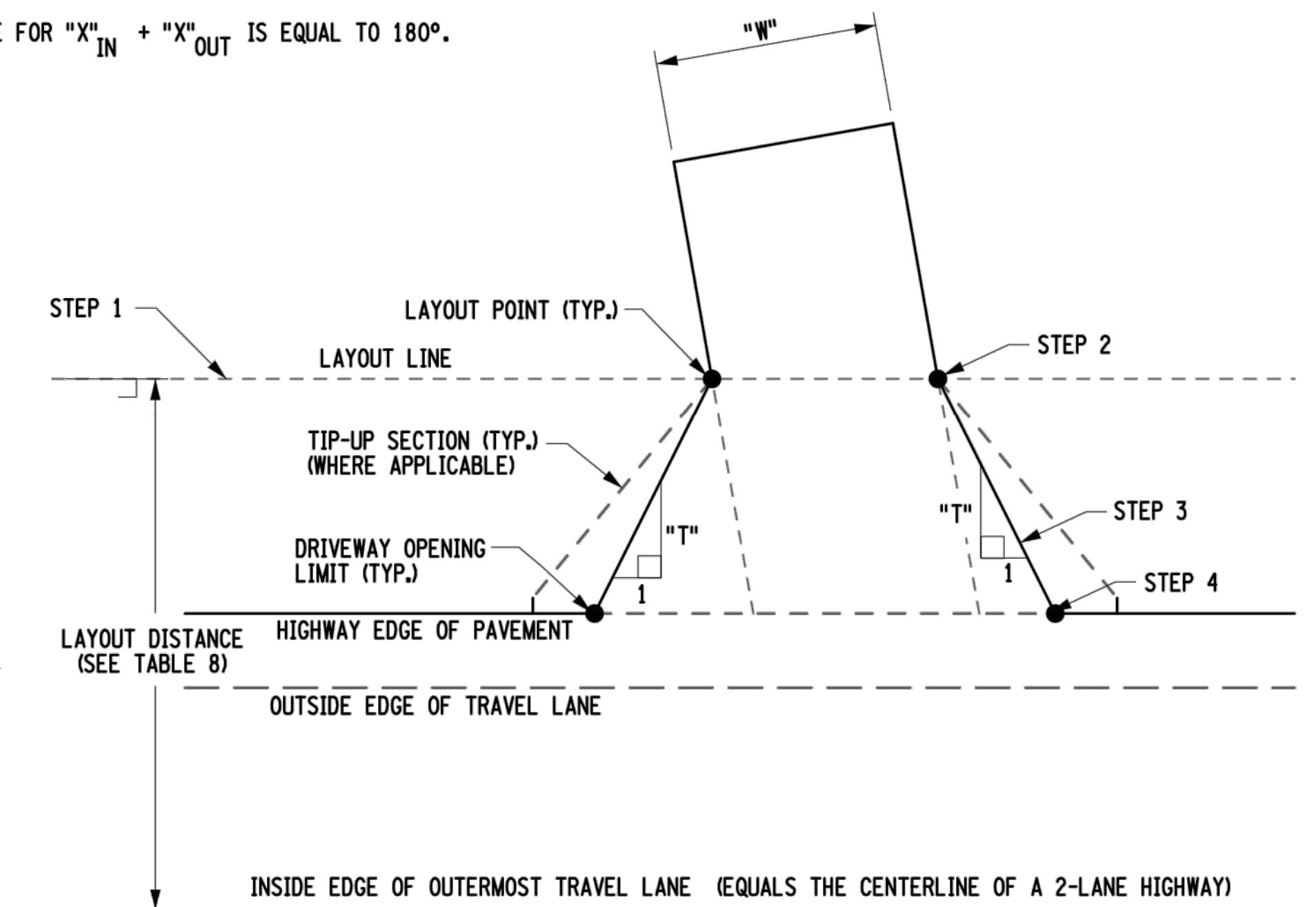
SEE GENERAL NOTE 15.

"X" REFERS TO EITHER "X"_{IN} OR "X"_{OUT}. THE CORNER ANGLE FOR "X"_{IN} + "X"_{OUT} IS EQUAL TO 180°.



RADIUS LAYOUT

VALID FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAYS (FOR THE VALUES OF "R" AND "X" SEE TABLES 6 AND 7, RESPECTIVELY)



TAPER LAYOUT

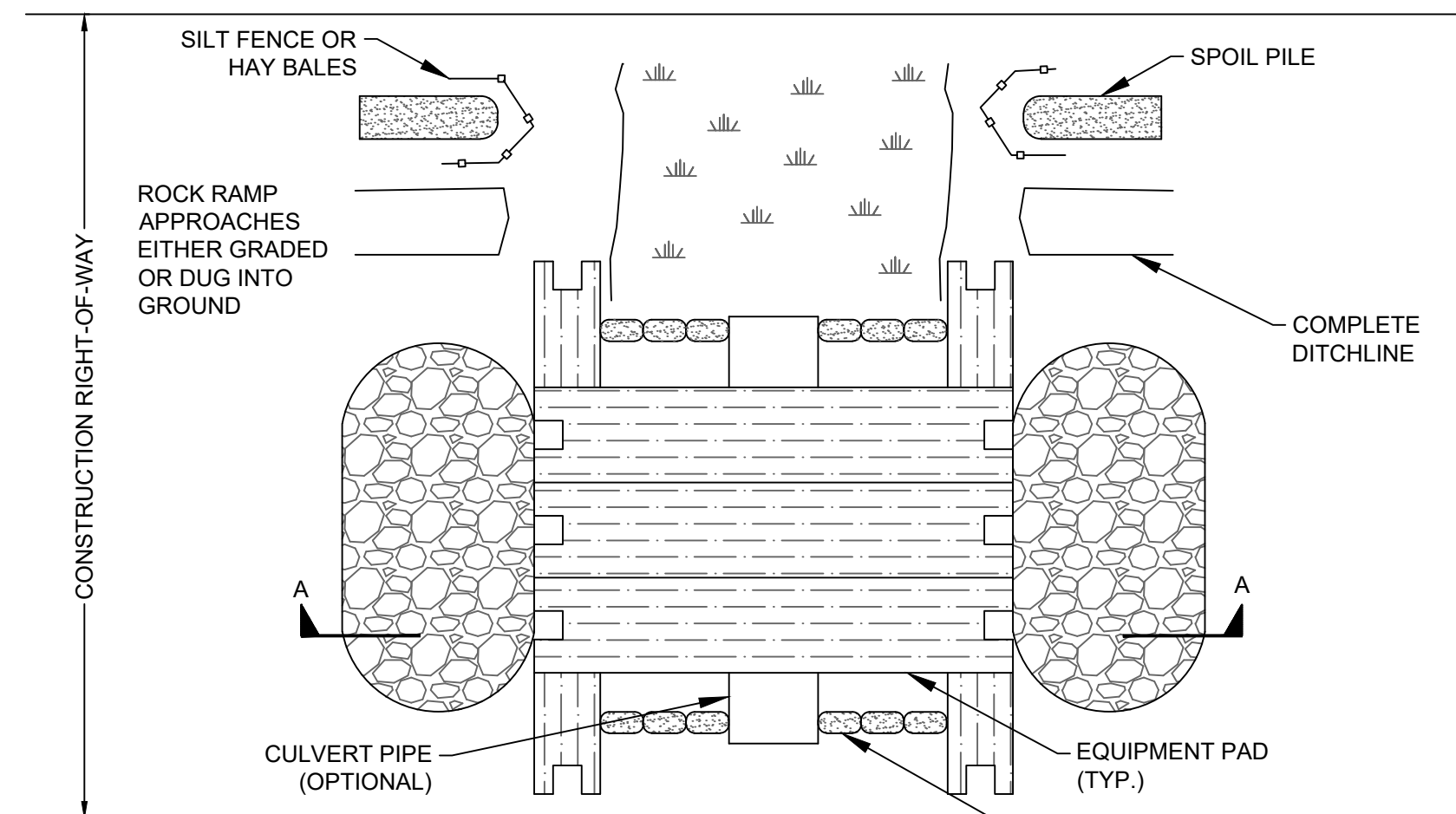
VALID FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAYS (FOR THE VALUE OF "T" SEE TABLE 8)

NOTE:

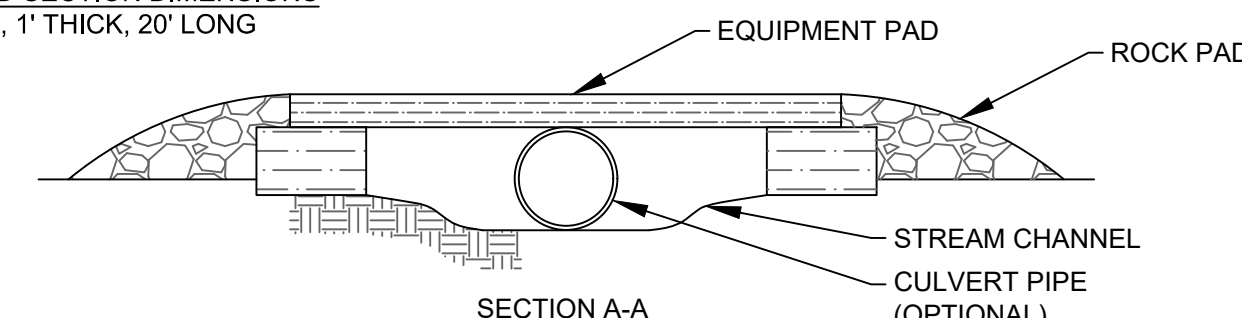
ALL GENERAL NOTES AND ABBREVIATIONS REFERENCED ON THIS SHEET CAN BE FOUND ON STANDARD SHEET 608-03, SHEET 1 OF 9.



Department of Transportation	
U.S. CUSTOMARY STANDARD SHEET	
RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS (SHEET 3 OF 9)	
APPROVED MARCH 07, 2016 /S/ RICHARD W. LEE, P.E. DEPUTY CHIEF ENGINEER (DESIGN)	ISSUED UNDER EB 16-012 608-03

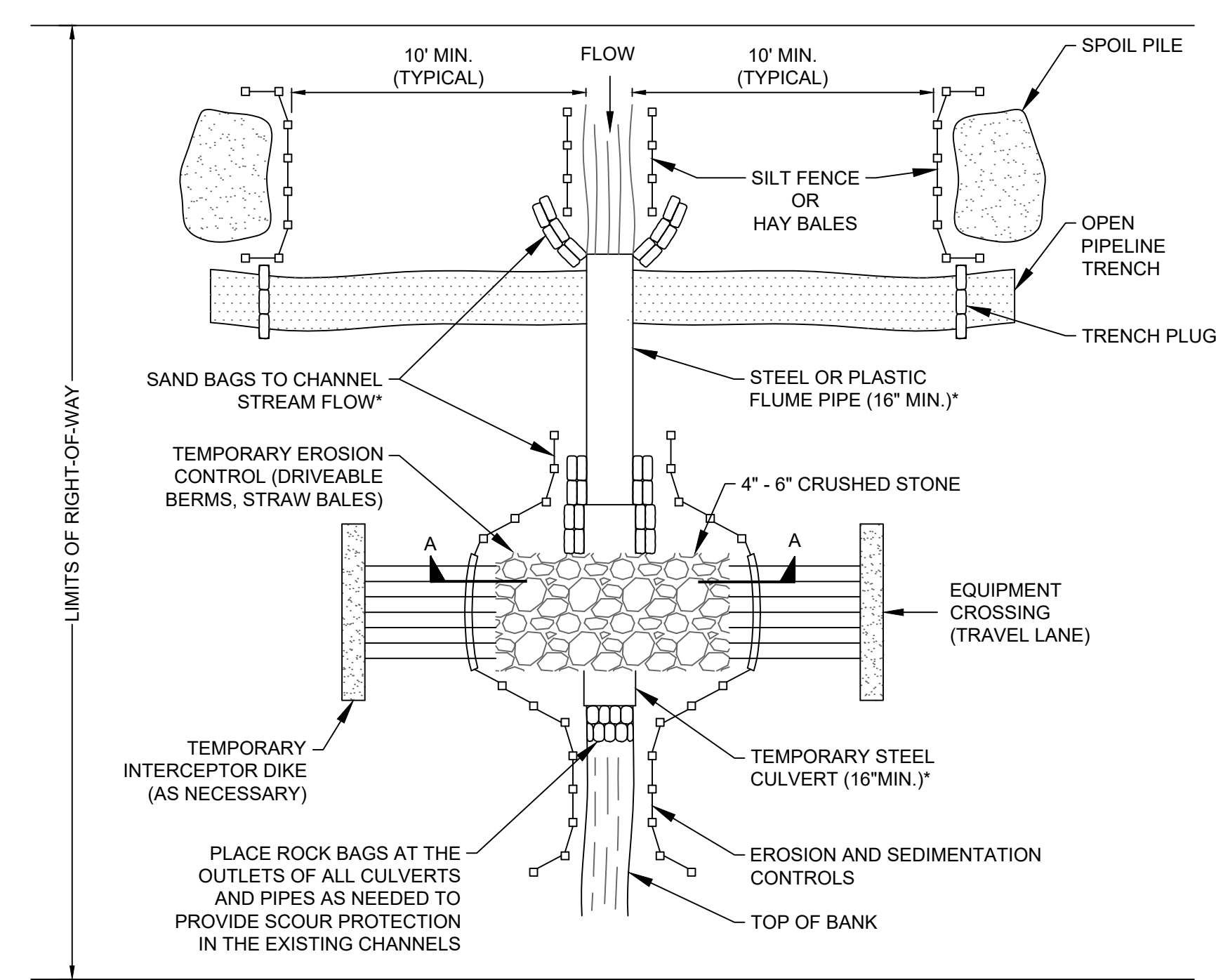


TYPICAL PAD SECTION DIMENSIONS
3' WIDE, 1" THICK, 20' LONG

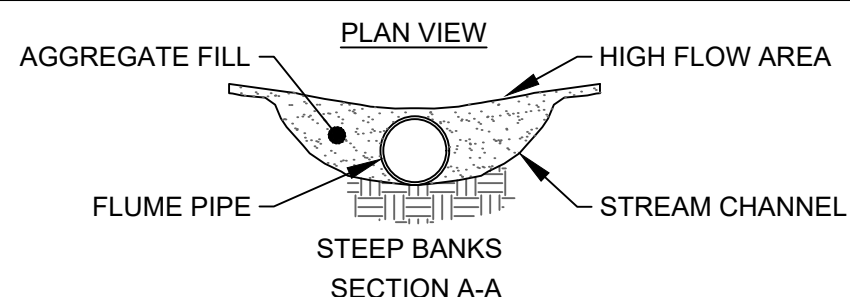


- NOTES:
1. CULVERT PIPE UTILIZED IF ADDITIONAL SUPPORT IS REQUIRED.
 2. ADDITIONAL PADS CAN BE PUT SIDE BY SIDE IF EXTRA WIDTH IS REQUIRED.
 3. EQUIPMENT PAD TYPICALLY CONSTRUCTED OF HARDWOOD; MUST ACCOMMODATE THE LARGEST EQUIPMENT USED.
 4. ROCK PADS OR CRUSHED STONE SHALL BE USED AT ENTRANCE TO THE EQUIPMENT PADS (IF NECESSARY).

TEMPORARY EQUIPMENT BRIDGE
SCALE: N.T.S.

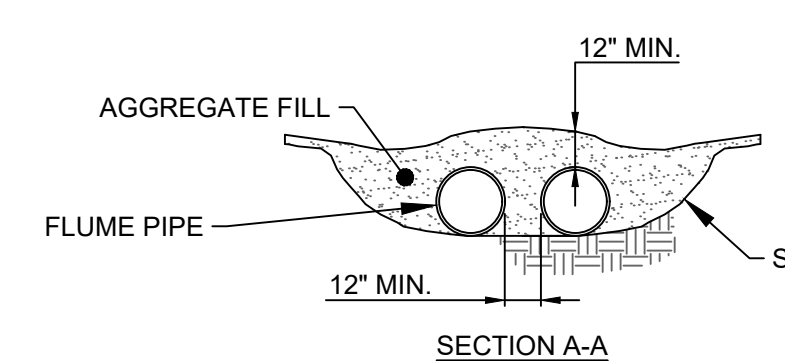
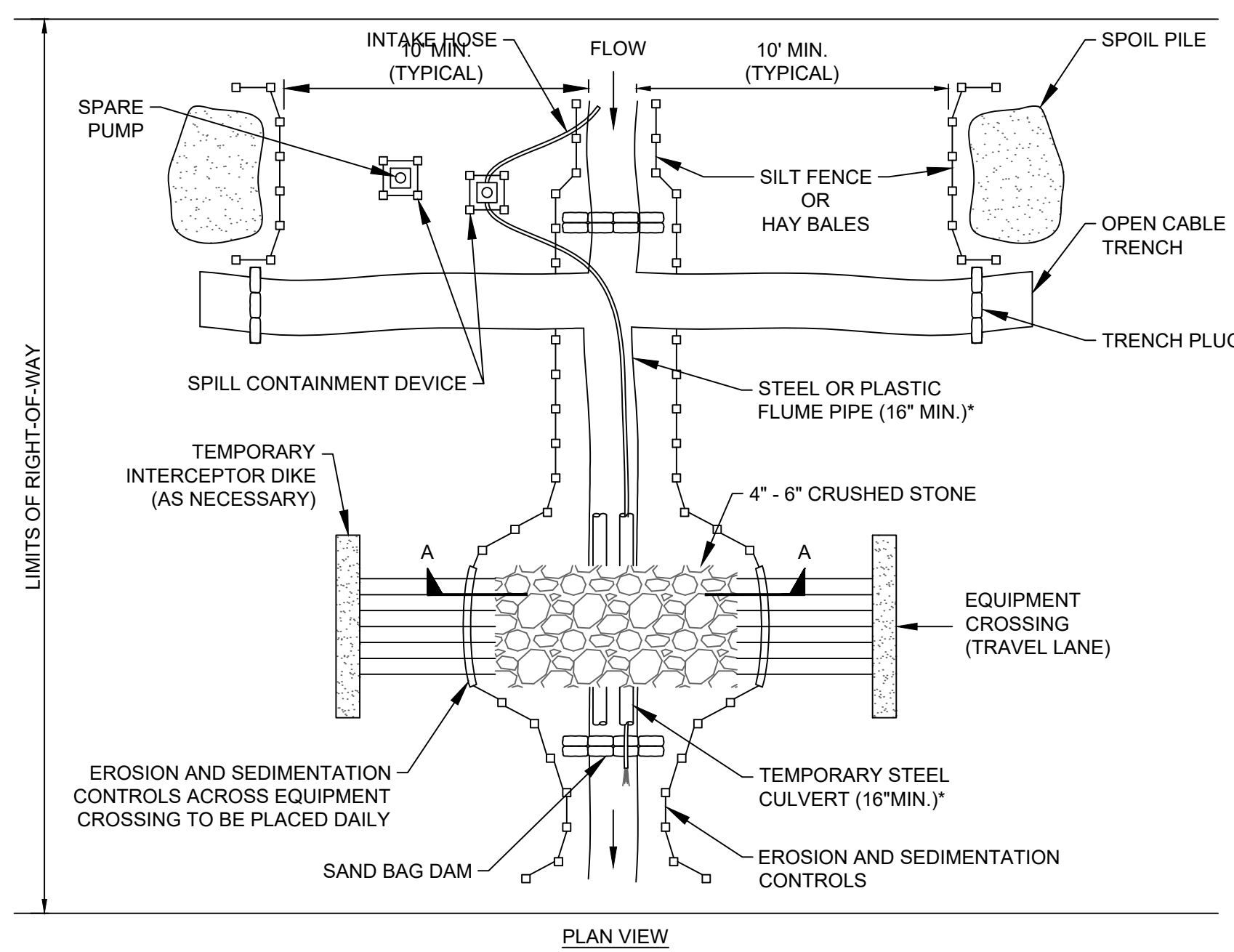


PLACE ROCK BAGS AT THE OUTLETS OF ALL CULVERTS AND PIPES AS NEEDED TO PROVIDE SCOUR PROTECTION IN THE EXISTING CHANNELS



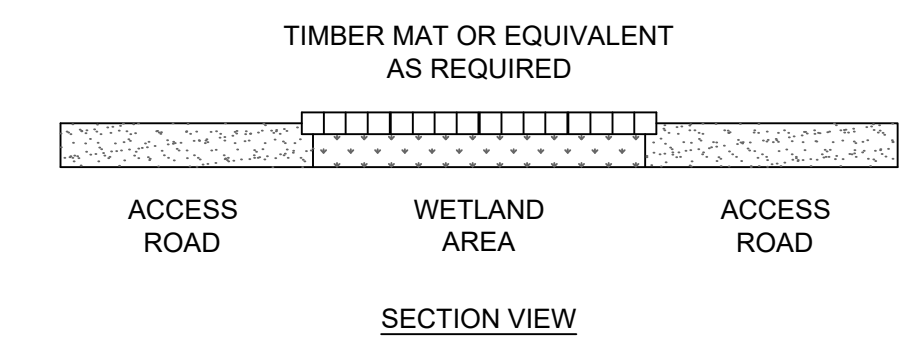
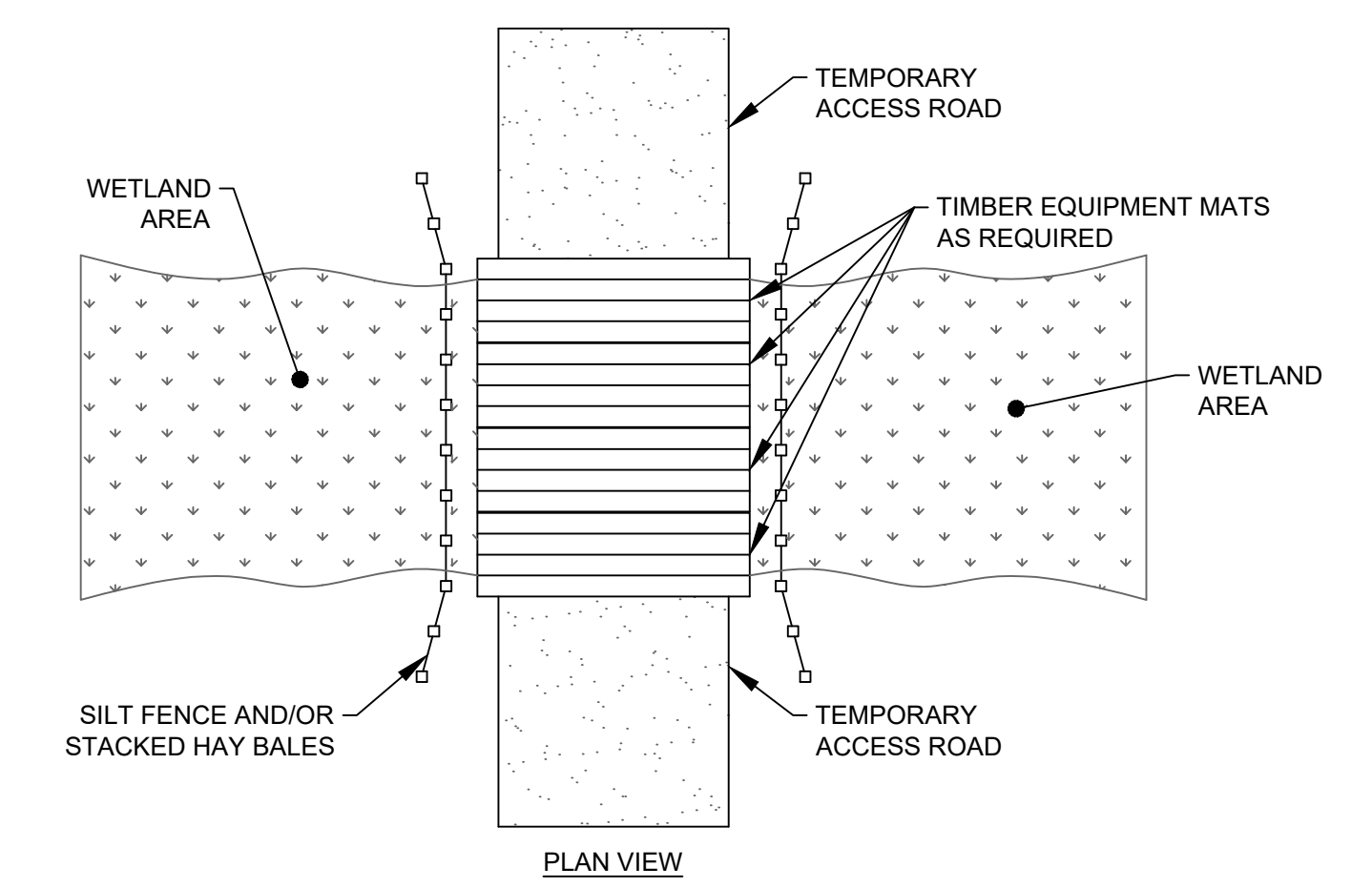
TYPICAL FLUMED STREAM CROSSING
SCALE: N.T.S.

* IF WELDED PIPE IS USED SAND BAGS AT JOINTS NOT REQUIRED. ACTUAL NUMBERS OF FLUMES AND CULVERT PIPE REQUIRED TO BE DETERMINED BY STREAM WIDTH.

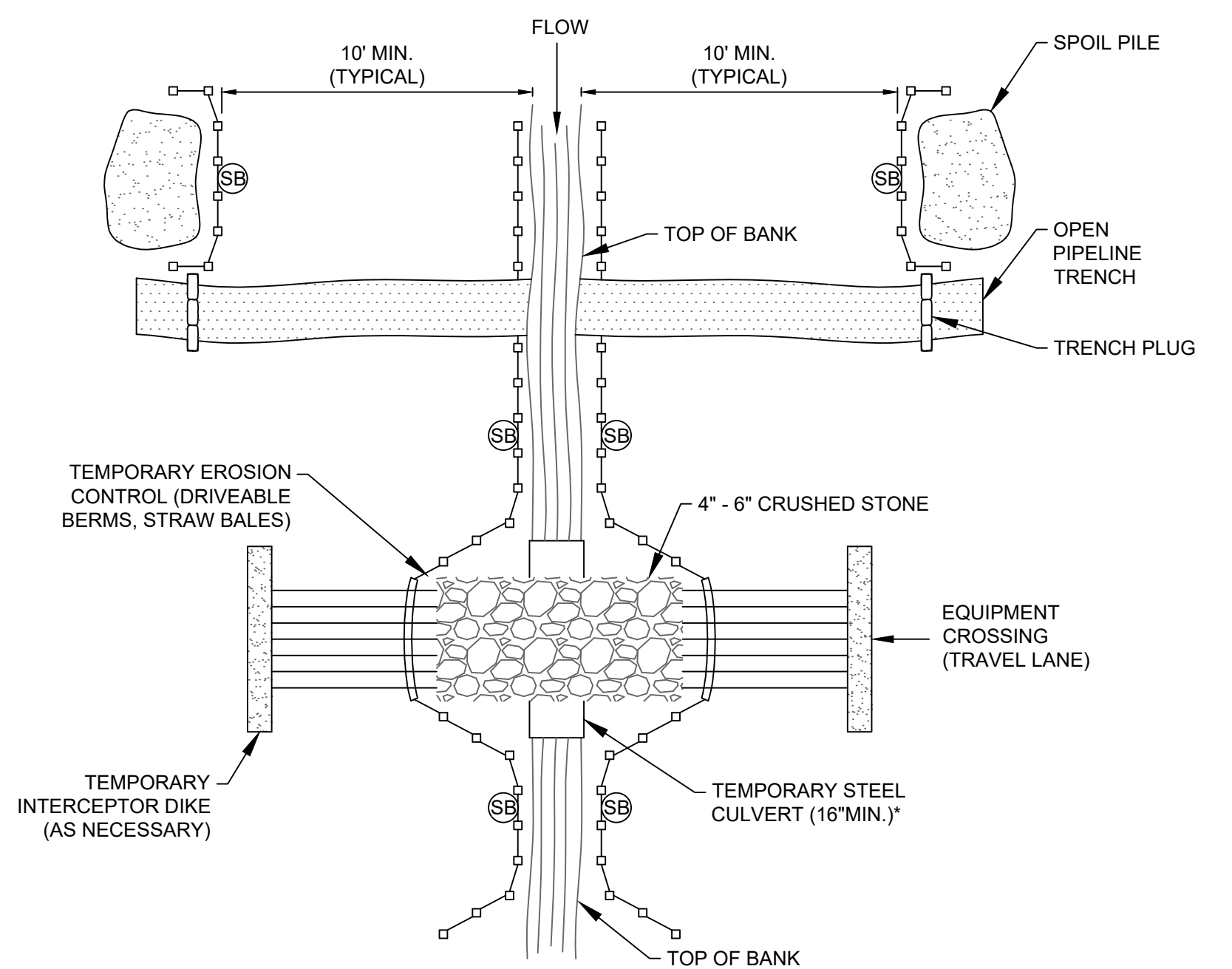


- NOTES:
1. EXCAVATE ACROSS STREAM CHANNEL FOLLOWING WATER RE-ROUTING.
 2. LOWER PIPE UNDER HOSE AND BACKFILL.
 3. MONITOR PUMPS AT ALL TIMES DURING STREAM CROSSING PROCEDURE.
 4. REMOVE SILT FENCE/HAY BALES ACROSS EQUIPMENT CROSSING AS NEEDED FOR ACCESS, AND REPLACE AT THE END OF EACH DAY.
 5. NUMBER OF FLUME PIPES WILL VARY DEPENDING ON SITE CONDITIONS.

TYPICAL DAM & PUMP STREAM CROSSING
SCALE: N.T.S.



TEMPORARY WETLAND CROSSING
SCALE: N.T.S.



- NOTES:
1. SB TEMPORARY SEDIMENT BARRIER OF SILT FENCE AND/OR STRAW BALES, OR APPROPRIATE MATERIALS.
 2. FOR MINOR WATERBODIES, COMPLETE TRENCHING AND BACKFILL IN THE WATERBODY (NOT INCLUDING BLASTING OR OTHER ROCK BREAKING MEASURES) WITHIN 24 CONTINUOUS HOURS. IF A FLUME IS INSTALLED WITHIN THE WATERBODY DURING MAINLINE ACTIVITIES, IT CAN BE REMOVED JUST PRIOR TO LOWERING IN THE CABLE OR CONDUIT. THE 24-HOUR TIMEFRAME STARTS AS SOON AS THE FLUME IS REMOVED.
 3. FOR INTERMEDIATE WATERBODIES, COMPLETE TRENCHING AND BACKFILLING IN THE WATERBODY (NOT INCLUDING BLASTING OR OTHER ROCK BREAKING MEASURES) WITHIN 48 CONTINUOUS HOURS, IF FEASIBLE.

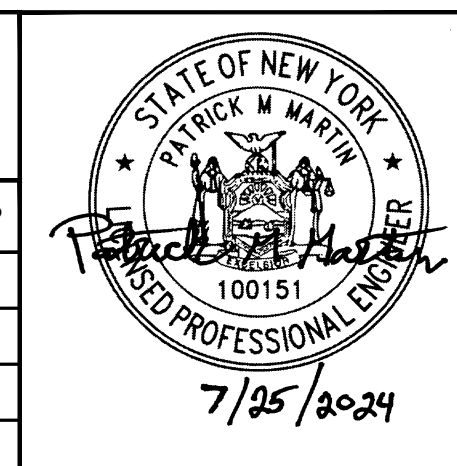
* ACTUAL NUMBERS OF FLUMES AND CULVERT PIPE REQUIRED TO BE DETERMINED BY STREAM WIDTH.

TYPICAL OPEN CUT STREAM CROSSING
SCALE: N.T.S.

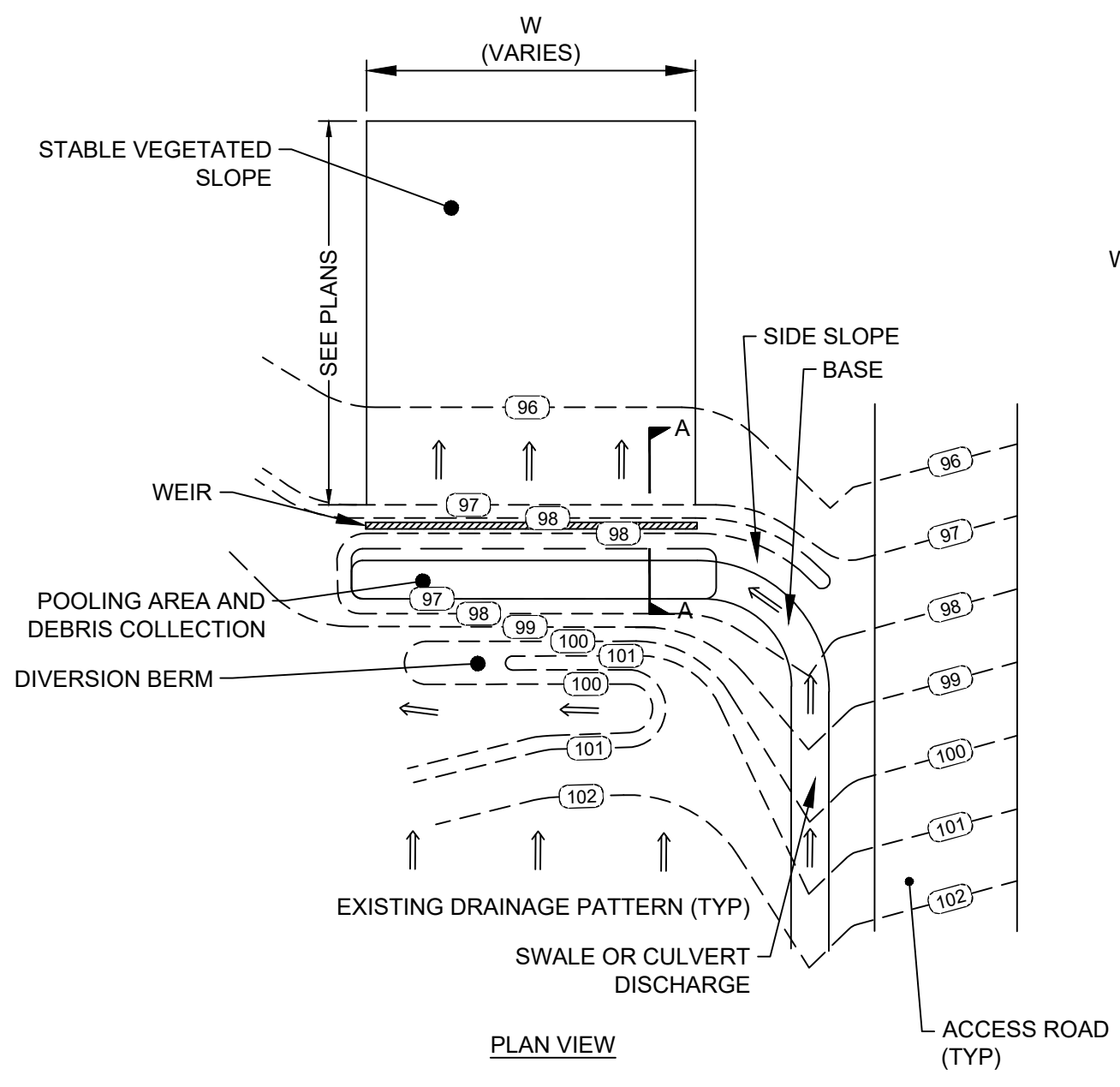


PRELIMINARY
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249 Western Avenue Augusta, ME 04330		PROJECT NO: 443269			
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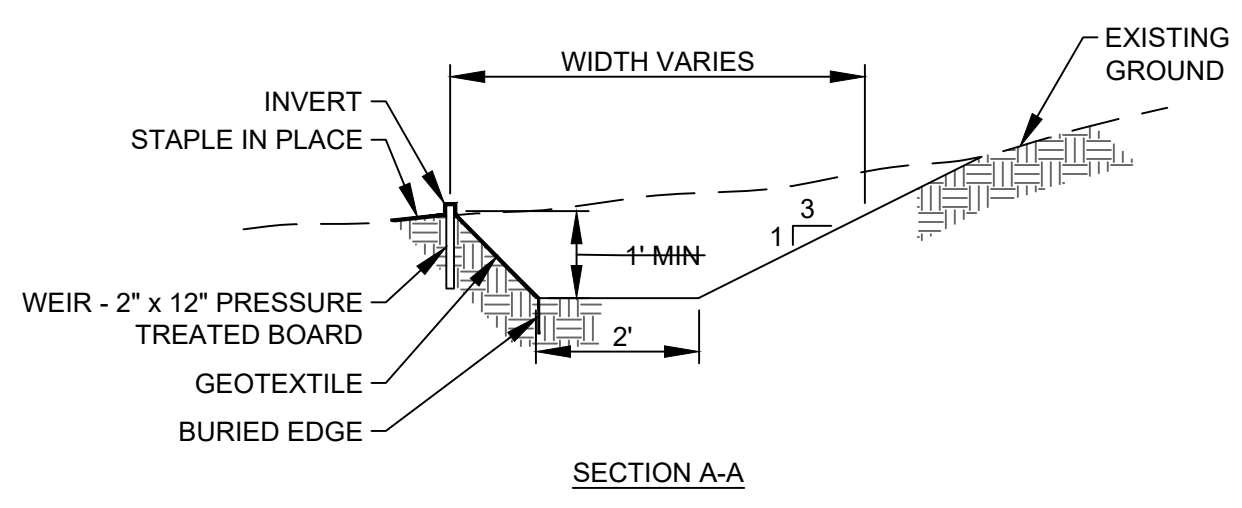


CMW DESIGNED	MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC STREAM CROSSING DETAILS	GLEN NEW YORK
CMW DRAWN		
PMM CHECKED		
APPROVED		
REVIEW 1	01/15/2024 DATE	
REVIEW 2	1" = 100' SCALE	
MPS-C-107-01		REV. D

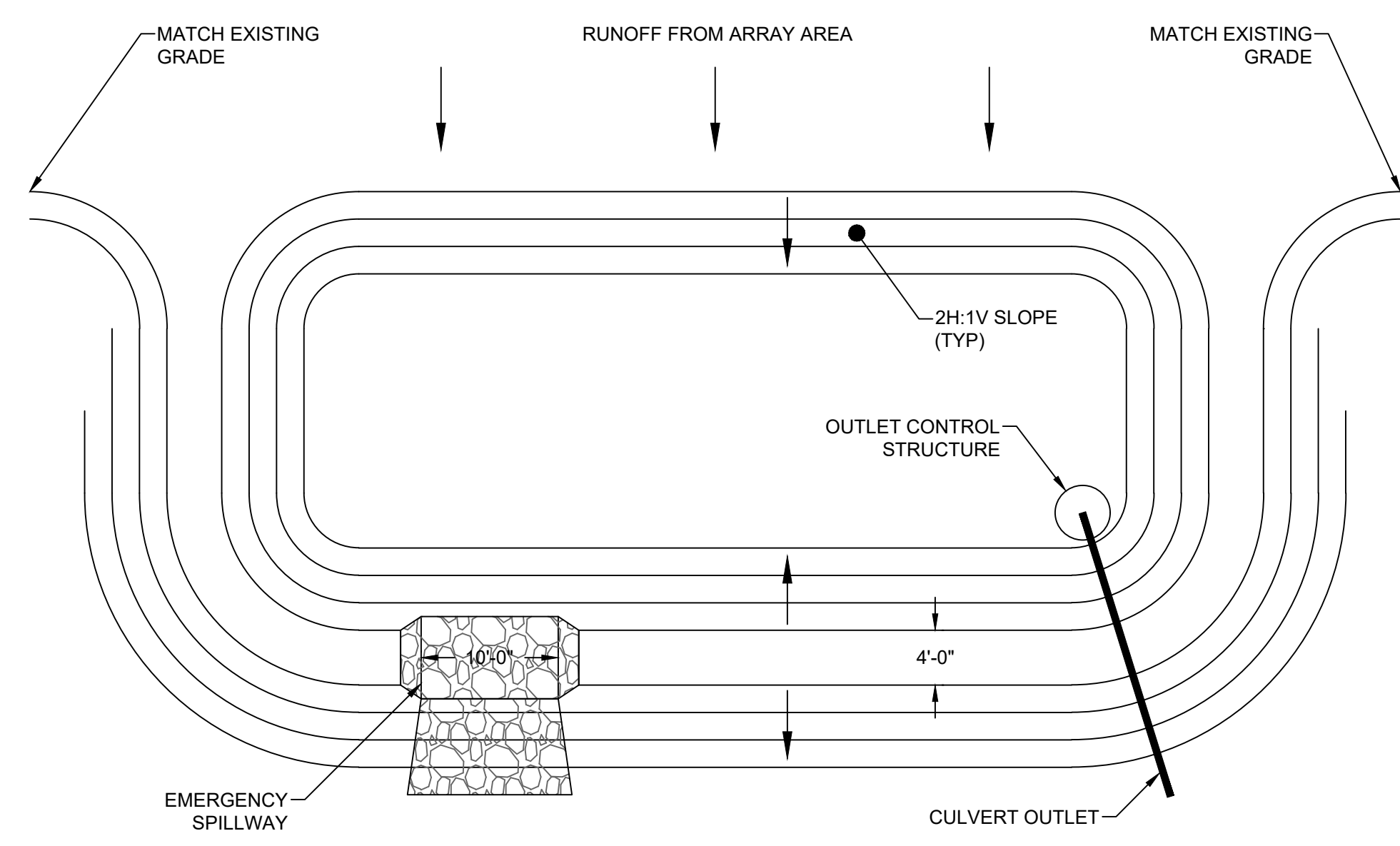


LEVEL SPREADERS WILL BE SIZED DURING FINAL DESIGN IN ACCORDANCE WITH THE STORMWATER MANAGEMENT DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL MANUAL.

TYPICAL LEVEL SPREADER DETAIL
SCALE: N.T.S.

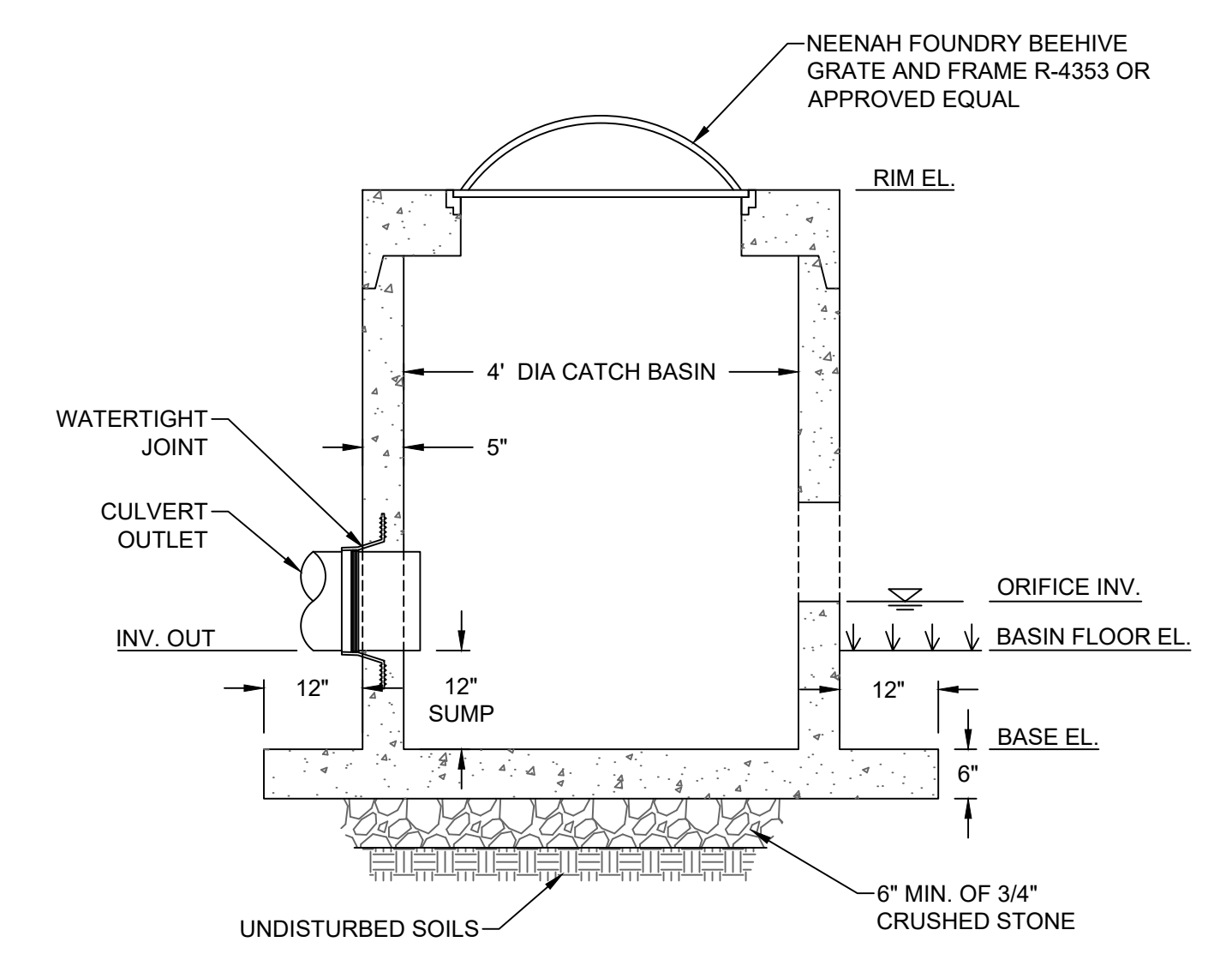


- NOTES:**
1. GEOTEXTILE SHALL BE MIRAFI 500X OR APPROVED EQUAL.
 2. GEOTEXTILE SHALL BE THE WIDTH OF THE WEIR, EXTEND 6 INCHES BEYOND THE WEIR, AND BURIED 6 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. UPPER EDGE SHALL BE SECURELY HELD IN PLACE WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES AT LEAST 12 INCHES IN LENGTH.
 3. ENSURE THE WEIR IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
 4. THE WEIR SHALL BE PLACED IN UNDISTURBED SOIL.
 5. LEVEL SPREADER SHALL DISCHARGE TO A STABILIZED VEGETATED SLOPE.
 6. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

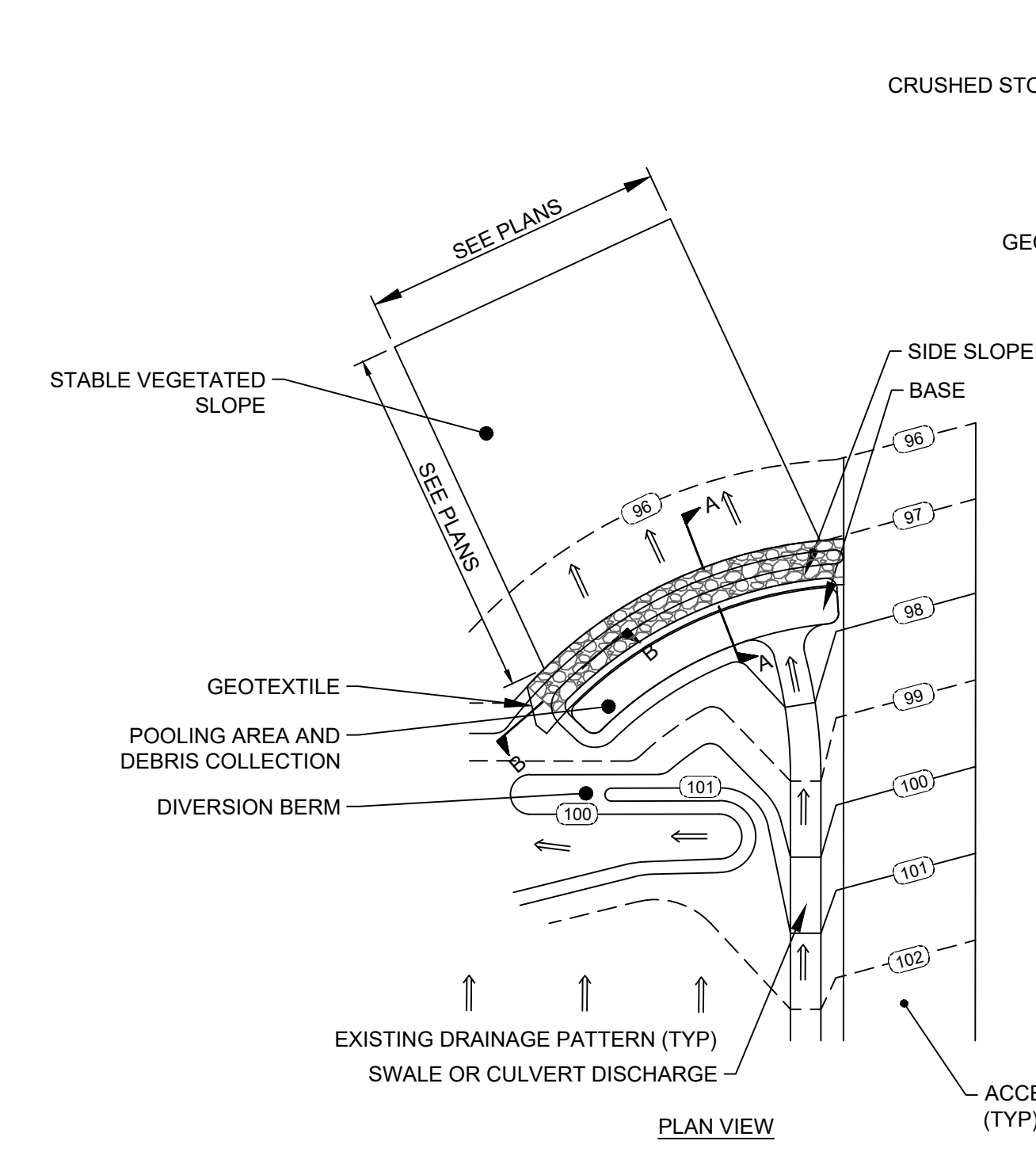


- NOTES:**
1. SEE PLANS FOR DETENTION BASIN LOCATIONS AND LAYOUTS. BASINS WILL BE DETAILED DURING FINAL DESIGN.
 2. APPLY 4\"/>

TYPICAL DETENTION BASIN DETAIL
SCALE: N.T.S.

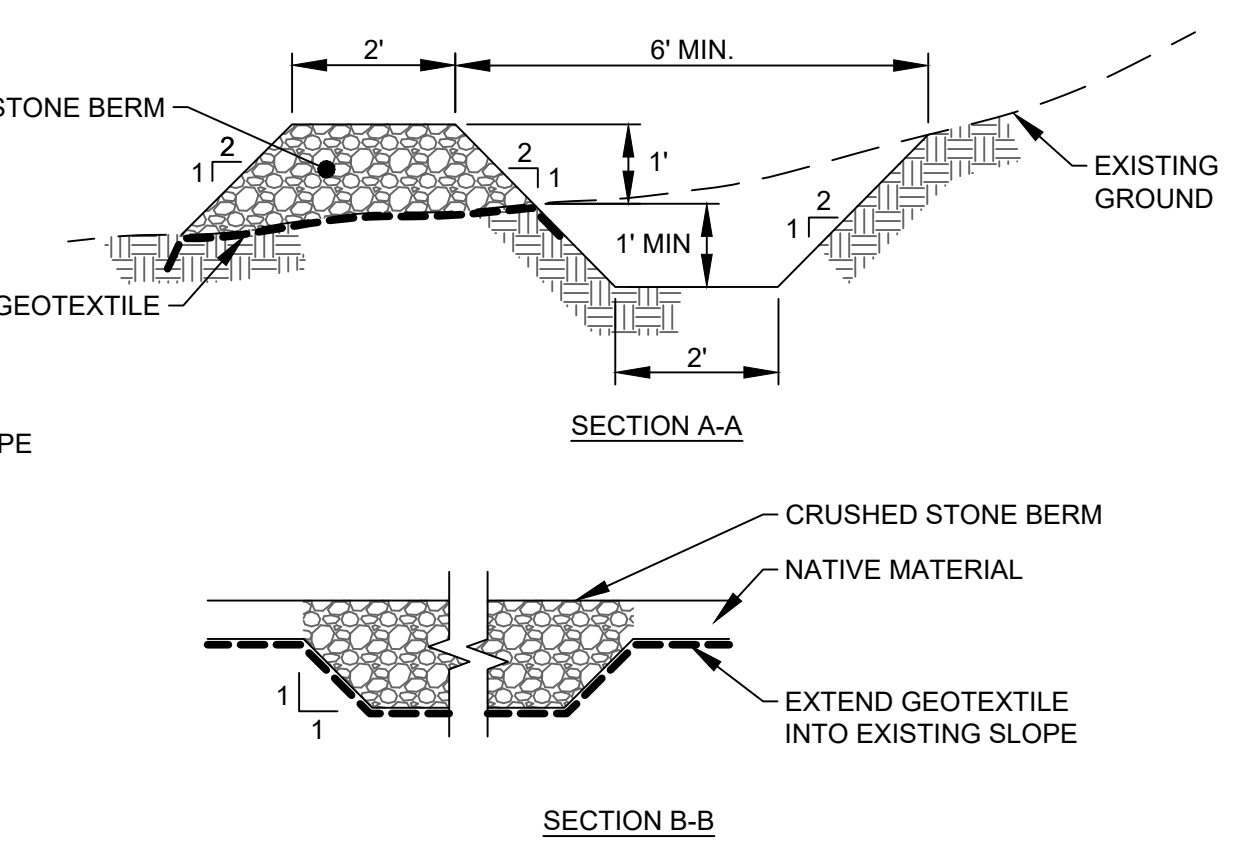


TYPICAL OUTLET CONTROL STRUCTURE
SCALE: N.T.S.

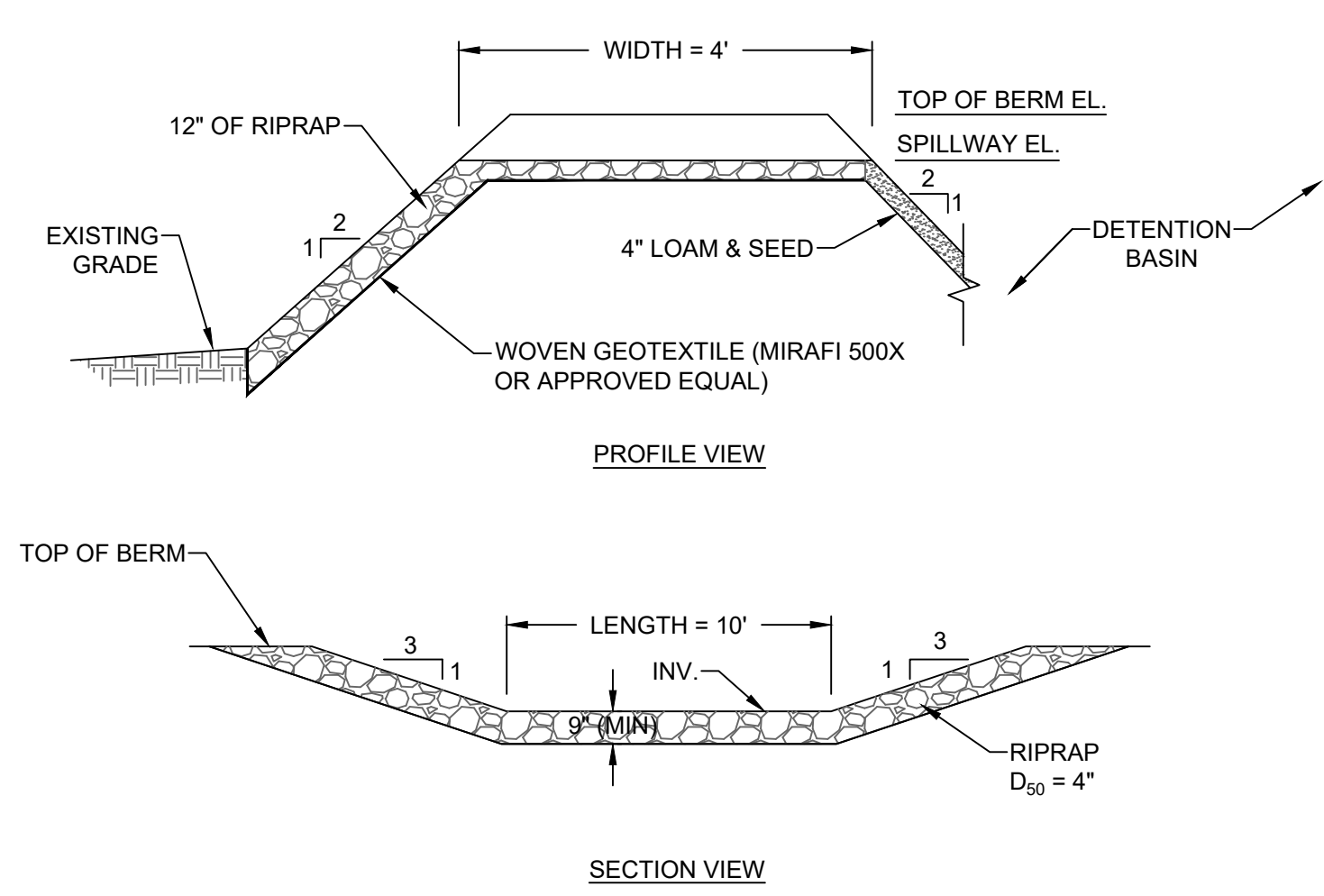


FLOW DIFFUSERS WILL BE SIZED DURING FINAL DESIGN IN ACCORDANCE WITH THE STORMWATER MANAGEMENT DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL MANUAL.

TYPICAL FLOW DIFFUSER DETAIL
SCALE: N.T.S.

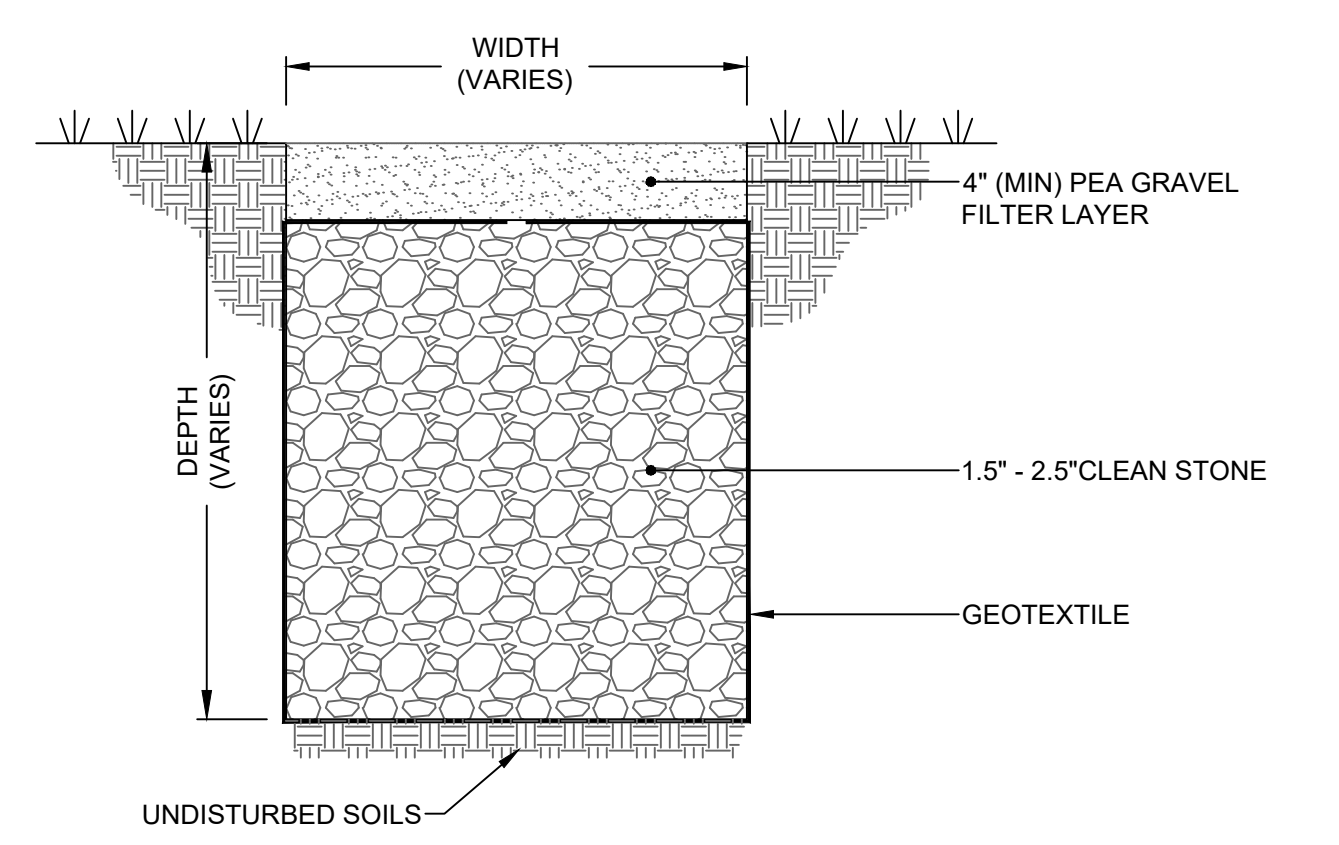


- NOTES:**
1. GEOTEXTILE SHALL BE MIRAFI 500X OR APPROVED EQUAL.
 2. CRUSHED STONE SHALL BE NYDOT 703-02 TYPE 5.
 3. FLOW DIFFUSER SHALL BE DESIGNED AND CONSTRUCTED PER THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
 4. VEGETATED RECEIVING AREA WIDTH SHALL BE PER DIFFUSER DESIGN CALCULATIONS BASED ON NO MORE THAN 0.25 CFS PER FOOT OF DIFFUSER WEIR LENGTH.
 5. VEGETATED RECEIVING AREA SHALL BE COMPLETELY COVERED WITH A SUITABLE STAND OF VEGETATION PRIOR TO USE OF DIFFUSER.
 6. TOPOGRAPHIC ELEVATIONS ARE FOR ILLUSTRATIVE PURPOSES ONLY.



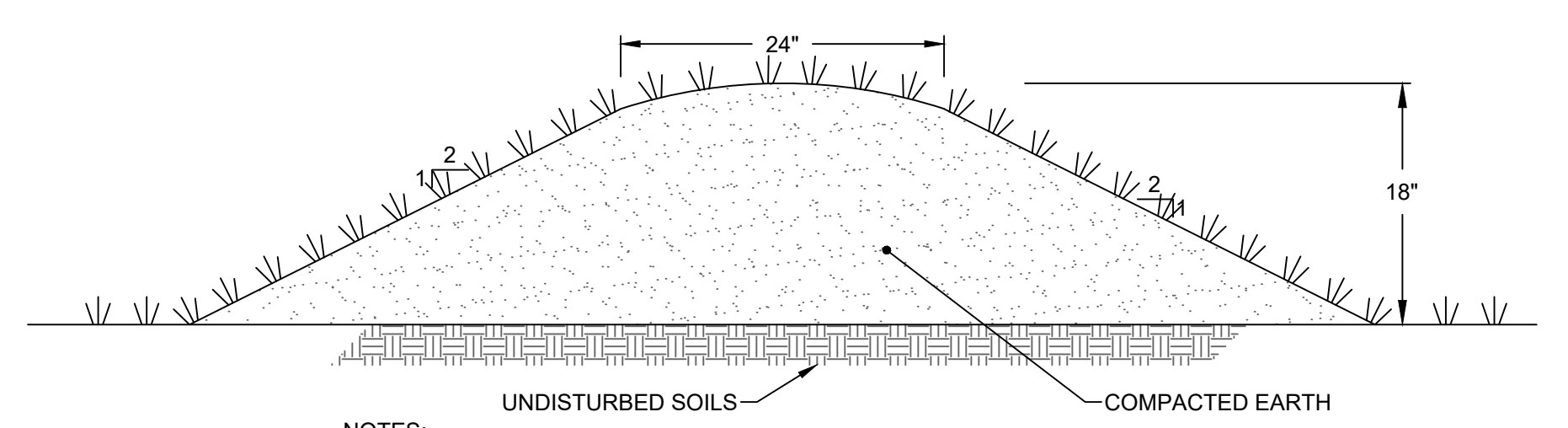
1. SEE PLANS FOR SPILLWAY LOCATIONS AND LAYOUT.

TYPICAL EMERGENCY SPILLWAY DETAIL
SCALE: N.T.S.



- NOTES:**
1. SEE PLANS FOR LOCATIONS AND DIMENSIONS OF INFILTRATION TRENCHES.
 2. GEOTEXTILE SHALL BE MIRAFI 140NL OR APPROVED EQUAL.

TYPICAL INFILTRATION TRENCH DETAIL
SCALE: N.T.S.

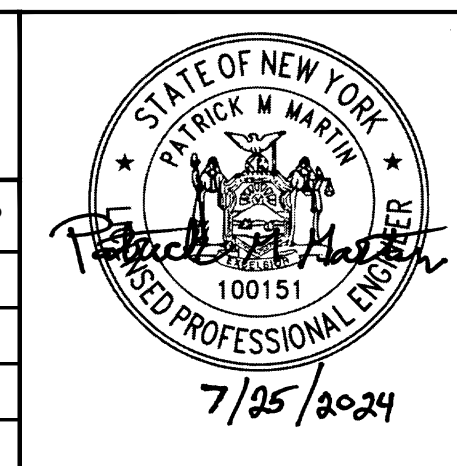


- NOTES:**
1. SEE PLANS FOR DIVERSION BERM LOCATIONS AND LAYOUTS.
 2. APPLY 4\"/>

DIVERSION BERM DETAIL
SCALE: N.T.S.

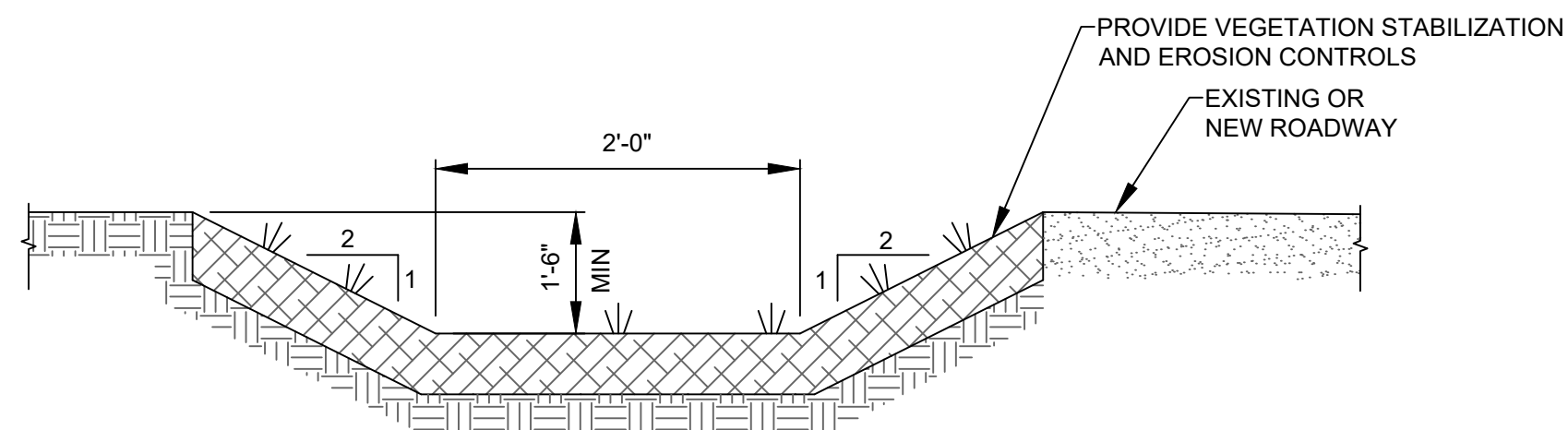
PRELIMINARY
NOT FOR CONSTRUCTION

		249 Western Avenue Augusta, ME 04330		PROJECT NO: 443269		
REV	DESCRIPTION	DATE	DES	CHK	APP	
D	RE-ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	07/25/2024	CMW	PMM	PMM	
C	REVISED PER ORES REVIEW COMMENTS	06/28/2024	CMW	PMM	PMM	
B	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	05/31/2024	CMW	PMM	PMM	
A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM	



CMW DESIGNED CMW DRAWN PMM CHECKED APPROVED	MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC GRADING & DRAINAGE DETAILS	GLEN NEW YORK
REVIEW 1 REVIEW 2	01/15/2024 DATE 1" = 100' SCALE	
	MPS-C-107-02	REV. D

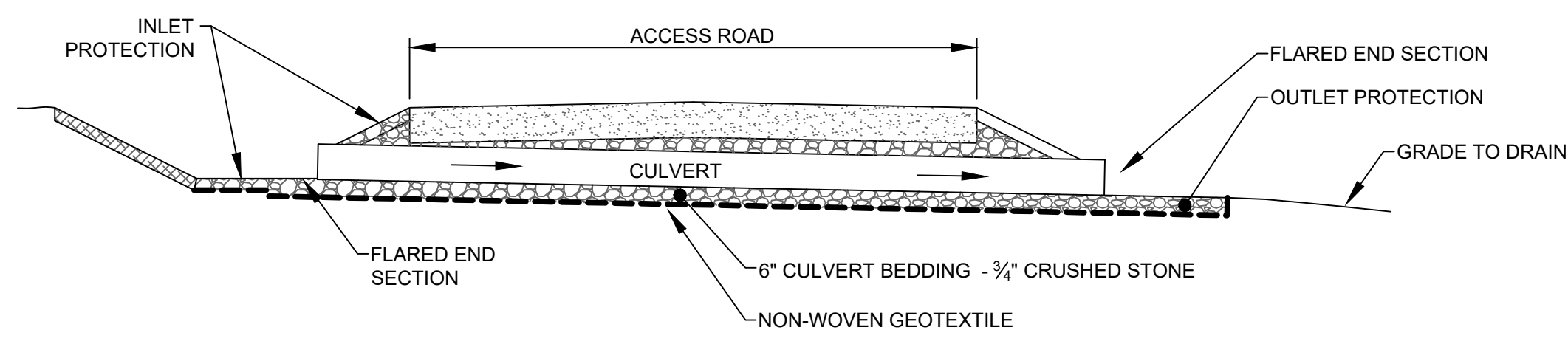




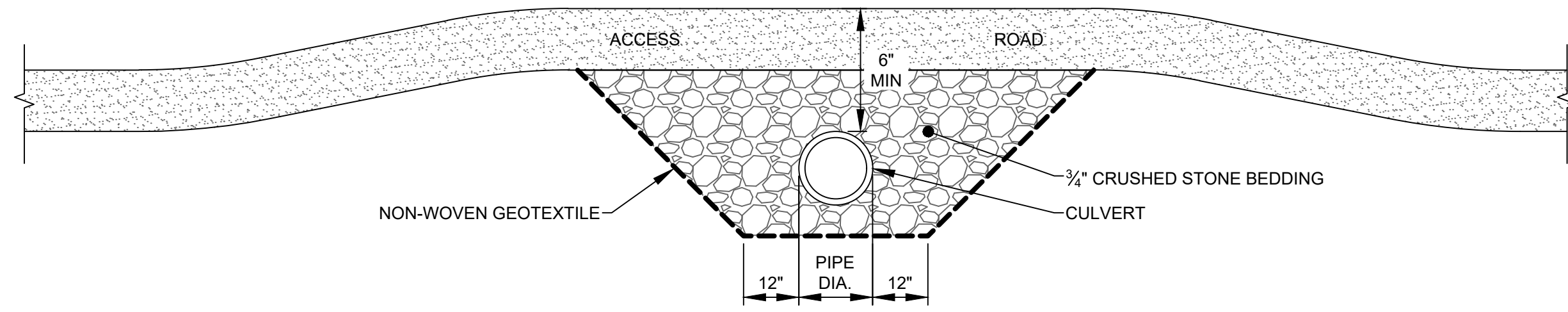
VEGETATION STABILIZATION

- NOTES:
- DRAINAGE SWALE PROFILE SHALL BE MODIFIED TO TRANSITION WHERE IT TIES INTO EXISTING SWALES. TRANSITION LENGTH SHALL BE COORDINATED WITH ON-SITE ENVIRONMENTAL INSPECTOR.
 - SWALE SHALL DISCHARGE TO STABILIZED LEVEL SPREADERS, FLOW DIFFUSERS, CONTAINMENT OR OTHER STRUCTURES PROVIDED TO CONTROL EROSION.
 - PROVIDE STABILIZATION AND EROSION CONTROLS AS REQUIRED BY THE ON-SITE ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

TYPICAL DRAINAGE SWALE
SCALE: N.T.S.



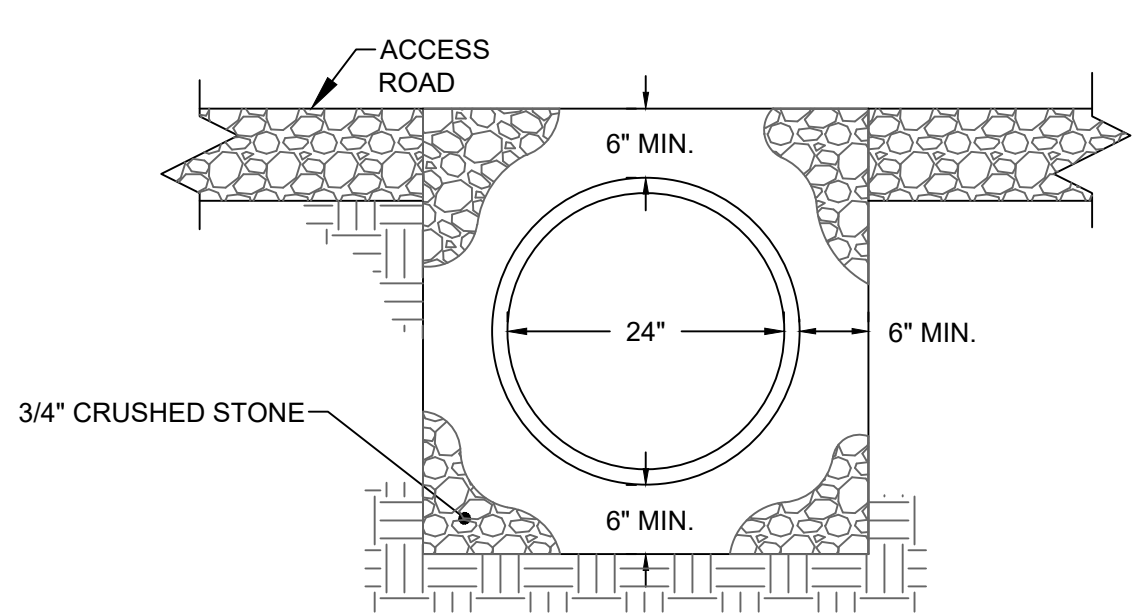
SECTION



ELEVATION

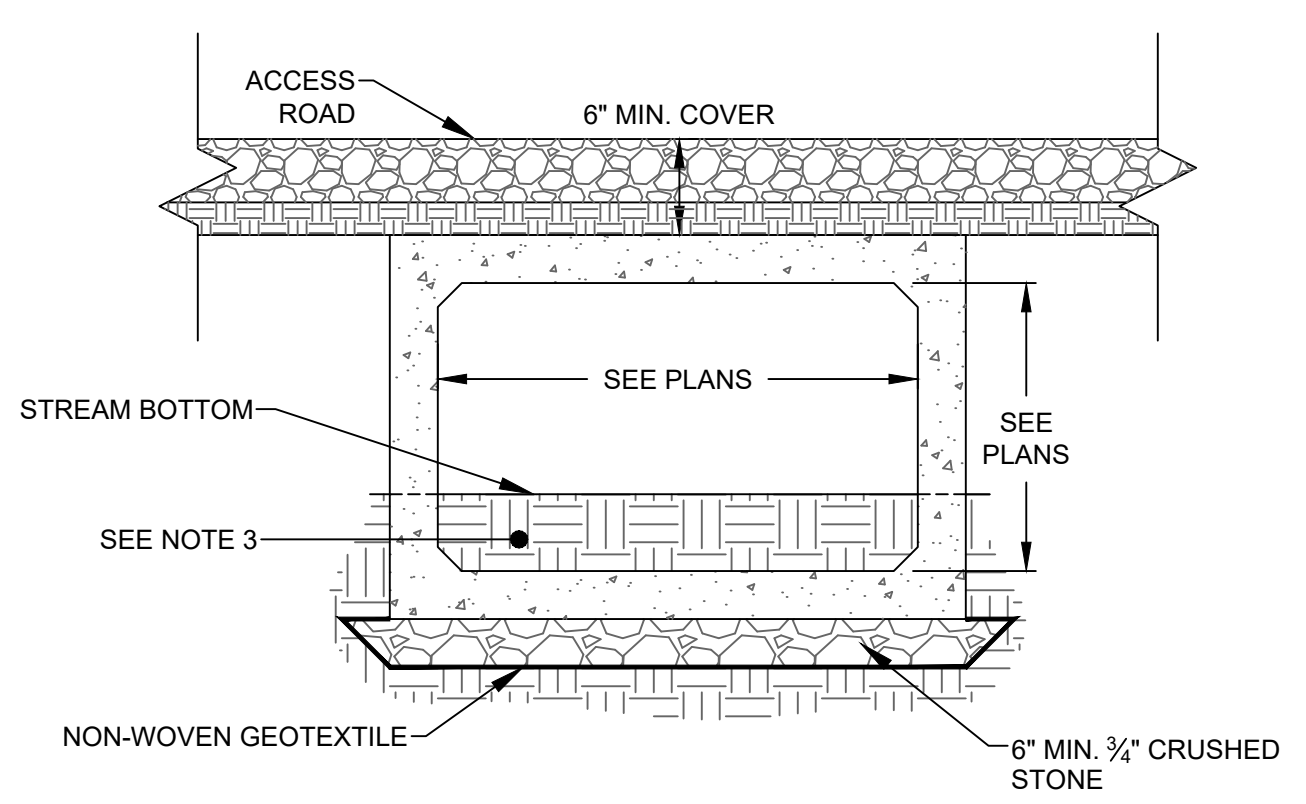
- NOTES:
- SHORE TRENCH EXCAVATION AS REQUIRED TO MINIMIZE EXCAVATION AND IMPACTS TO ADJACENT UTILITIES STRUCTURES OR PAVEMENT.
 - TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
 - CRUSHED ROCK SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1 1/2" DOWN TO 10% OR LESS PASSING A #200 U.S. STANDARD SIEVE.

TYPICAL CULVERT TRENCH SECTION
SCALE: N.T.S.



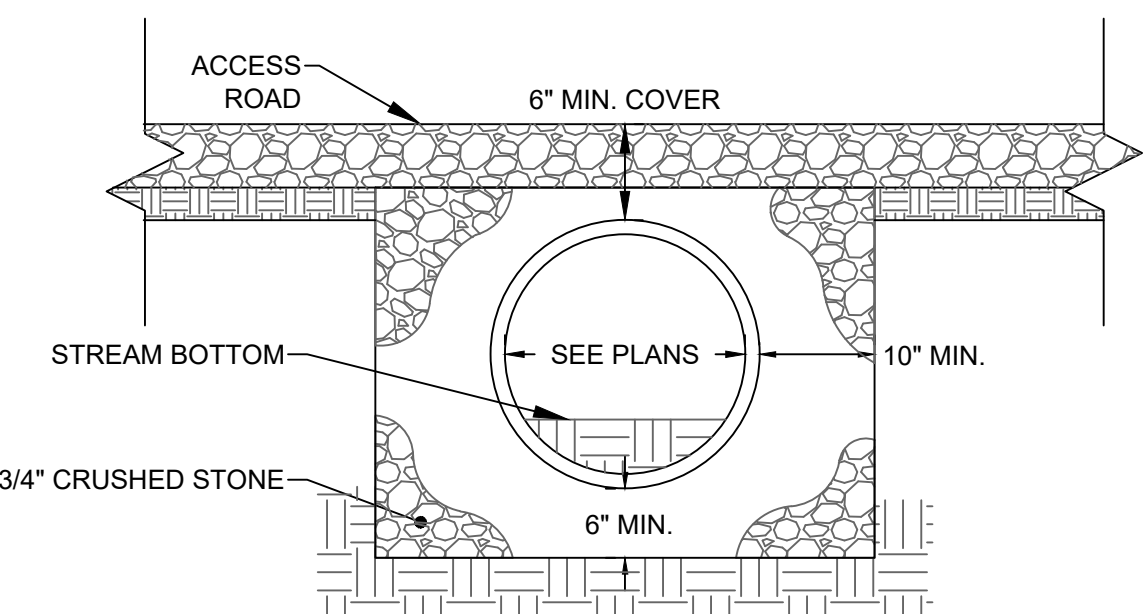
- NOTES:
- SHORE TRENCH EXCAVATION AS REQUIRED TO MINIMIZE EXCAVATION AND IMPACTS TO ADJACENT UTILITIES STRUCTURES OR PAVEMENT.
 - TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
 - CRUSHED ROCK SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1 1/2" DOWN TO 10% OR LESS PASSING A #200 U.S. STANDARD SIEVE.
 - CULVERT DIMENSIONS WILL BE DETERMINED DURING FINAL DESIGN.

TYPICAL PERMANENT ACCESS ROAD ENTRANCE CONCRETE PIPE CULVERT
SCALE: N.T.S.



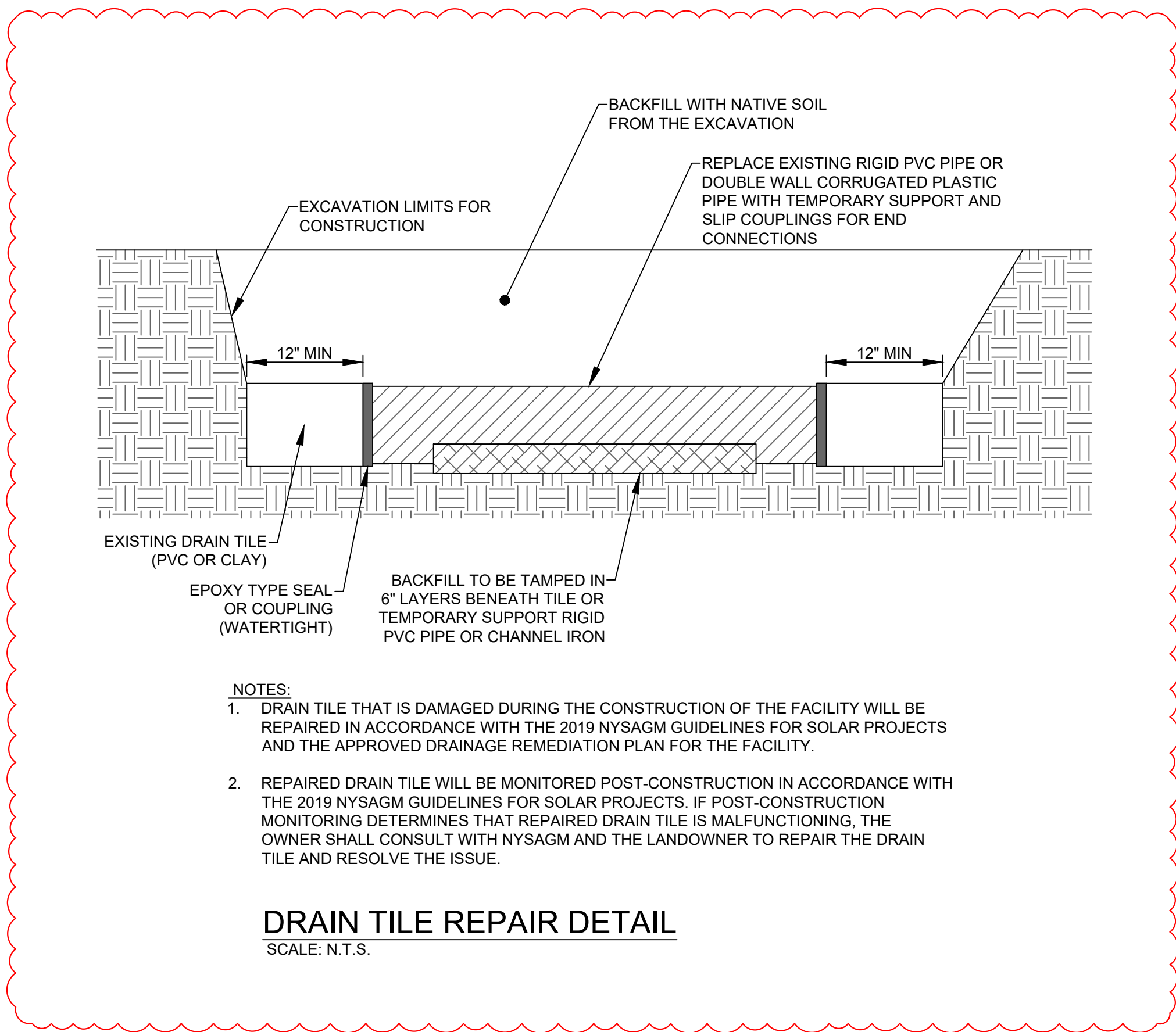
- NOTES:
- BRIDGE SPAN SHALL BE MIN. 1.25 X NATURAL CHANNEL WIDTH MEASURED AT TOP OF BANK.
 - EMBED CULVERT MIN. 20% OF HEIGHT BELOW STREAM BED. BACKFILL WITH EXCAVATED MATERIAL TO MATCH STREAM BED.
 - CHANNEL BOTTOM SHALL BE RESTORED TO MATCH EXISTING CHANNEL CONDITIONS USING NATURAL MATERIALS SALVAGED FROM BRIDGE EXCAVATION AREA.
 - WING WALLS, RIP-RAP AND OTHER PERMANENT FLOW DIVERTERS SHALL NOT BE INSTALLED WITHOUT PRIOR NYSDEC APPROVAL.
 - BOX CULVERT SHALL BE PRECAST REINFORCED CONCRETE, MEETING THE FOLLOWING CRITERIA:
 - CULVERT SHALL BE DESIGNED FOR HS-20 LOADING.
 - JOINTS FOR PRECAST SECTIONS SHALL BE TONGUE AND GROOVE TYPE AND SHALL BE SEALED WITH MASTIC OR SAND/CEMENT GROUT.
 - LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUG AFTER THE BOX SECTIONS ARE IN PLACE.

TYPICAL PERMANENT STREAM CROSSING CONCRETE BOX CULVERT
SCALE: N.T.S.



- NOTES:
- SHORE TRENCH EXCAVATION AS REQUIRED TO MINIMIZE EXCAVATION AND IMPACTS TO ADJACENT UTILITIES STRUCTURES OR PAVEMENT.
 - TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
 - CRUSHED ROCK SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1 1/2" DOWN TO 10% OR LESS PASSING A #200 U.S. STANDARD SIEVE.
 - EMBED CULVERT 20% OF CULVERT DIAMETER BELOW STREAM BED. BACKFILL WITH EXCAVATED MATERIAL TO MATCH STREAM BED.
 - CHANNEL BOTTOM SHALL BE RESTORED TO MATCH EXISTING CHANNEL CONDITIONS USING NATURAL MATERIAL SALVAGED FROM CULVERT EXCAVATION.

TYPICAL PERMANENT STREAM CROSSING CONCRETE PIPE CULVERT
SCALE: N.T.S.



- NOTES:
- DRAIN TILE THAT IS DAMAGED DURING THE CONSTRUCTION OF THE FACILITY WILL BE REPAIRED IN ACCORDANCE WITH THE 2019 NYSAGM GUIDELINES FOR SOLAR PROJECTS AND THE APPROVED DRAINAGE REMEDIATION PLAN FOR THE FACILITY.
 - REPAIRED DRAIN TILE WILL BE MONITORED POST-CONSTRUCTION IN ACCORDANCE WITH THE 2019 NYSAGM GUIDELINES FOR SOLAR PROJECTS. IF POST-CONSTRUCTION MONITORING DETERMINES THAT REPAIRED DRAIN TILE IS MALFUNCTIONING, THE OWNER SHALL CONSULT WITH NYSAGM AND THE LANDOWNER TO REPAIR THE DRAIN TILE AND RESOLVE THE ISSUE.

DRAIN TILE REPAIR DETAIL
SCALE: N.T.S.



PRELIMINARY
NOT FOR CONSTRUCTION

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B	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	05/31/2024	CMW	PMM	PMM
A	ISSUED FOR 94-C	01/15/2024	CMW	PMM	PMM

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 443269



CMW DESIGNED
CMW DRAWN
PMM CHECKED
APPROVED
REVIEW 1
REVIEW 2

MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNT LLC
GRADING & DRAINAGE DETAILS

GLEN NEW YORK

01/15/2024 DATE
1" = 100' SCALE

TRC MPS-C-107-03

REV. D

DWG NO.	DRAWING TITLE	DATE	REV.	DATE	REV.	DATE	REV.	DATE	REV.
MPS-E-400-00	COVER SHEET	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-400-01	OVERALL SITE PLAN	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-01	ARRAY PLAN 01	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-02	ARRAY PLAN 02	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-03	ARRAY PLAN 03	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-04	ARRAY PLAN 04	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-05	ARRAY PLAN 05	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-06	ARRAY PLAN 06	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-07	ARRAY PLAN 07	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-08	ARRAY PLAN 08	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-09	ARRAY PLAN 09	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-10	ARRAY PLAN 10	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-11	ARRAY PLAN 11	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-12	ARRAY PLAN 12	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-13	ARRAY PLAN 13	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-14	ARRAY PLAN 14	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-15	ARRAY PLAN 15	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-16	ARRAY PLAN 16	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-17	ARRAY PLAN 17	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-18	ARRAY PLAN 18	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-401-19	ARRAY PLAN 19	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-402-01	TYPICAL DC SINGLE LINE DIAGRAM	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-403-01	SINGLE-AXIS TRACKER DETAILS	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-404-01	INVERTER SKID PLAN AND ELEVATION	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-405-01	O & M BUILDING PLAN AND ELEVATIONS	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-406-01	EQUIPMENT DATA SHEETS	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E
MPS-E-407-01	DC TRENCH DETAILS	09/01/23	B	01/15/24	C	04/26/24	D	07/12/24	E

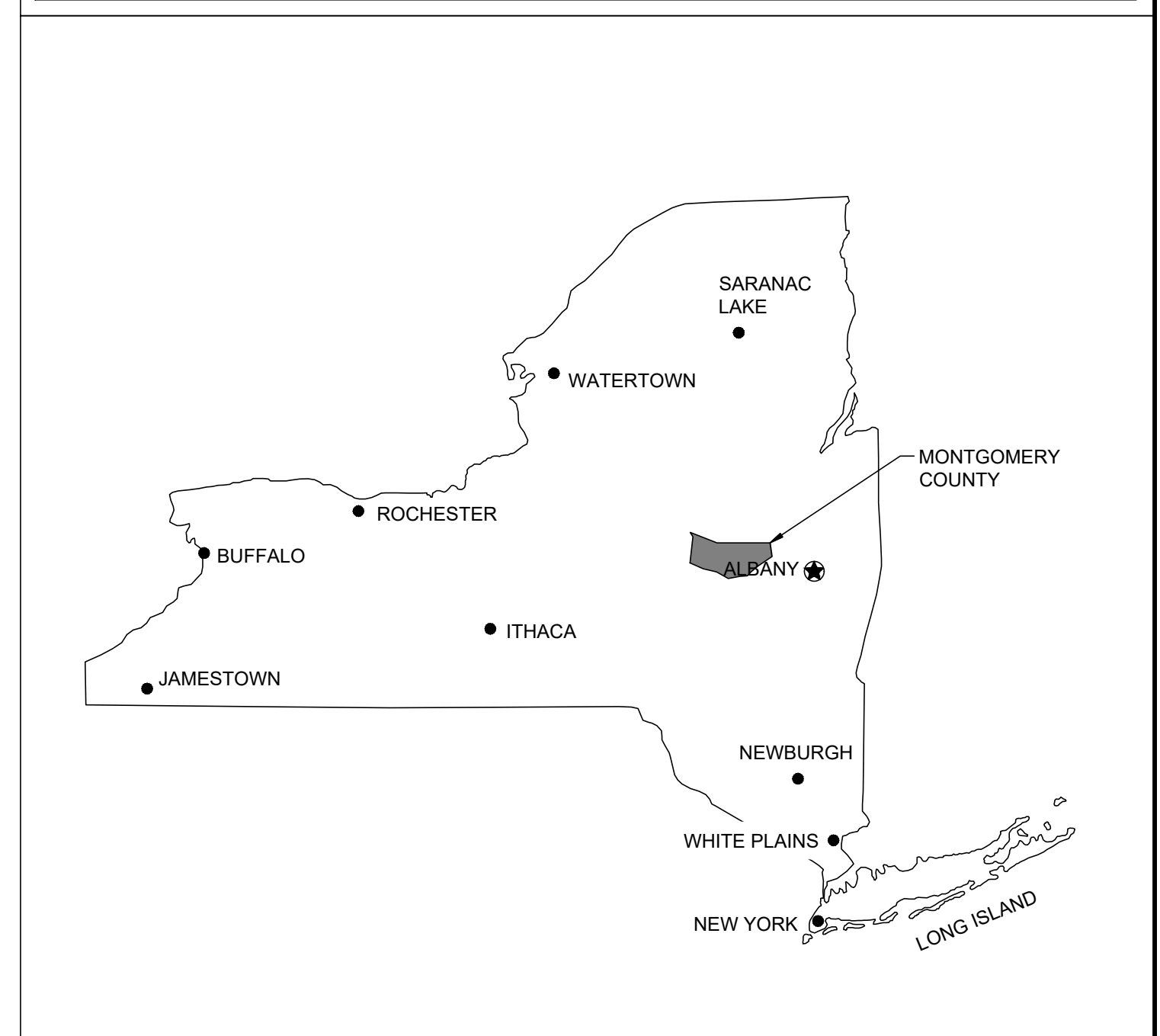
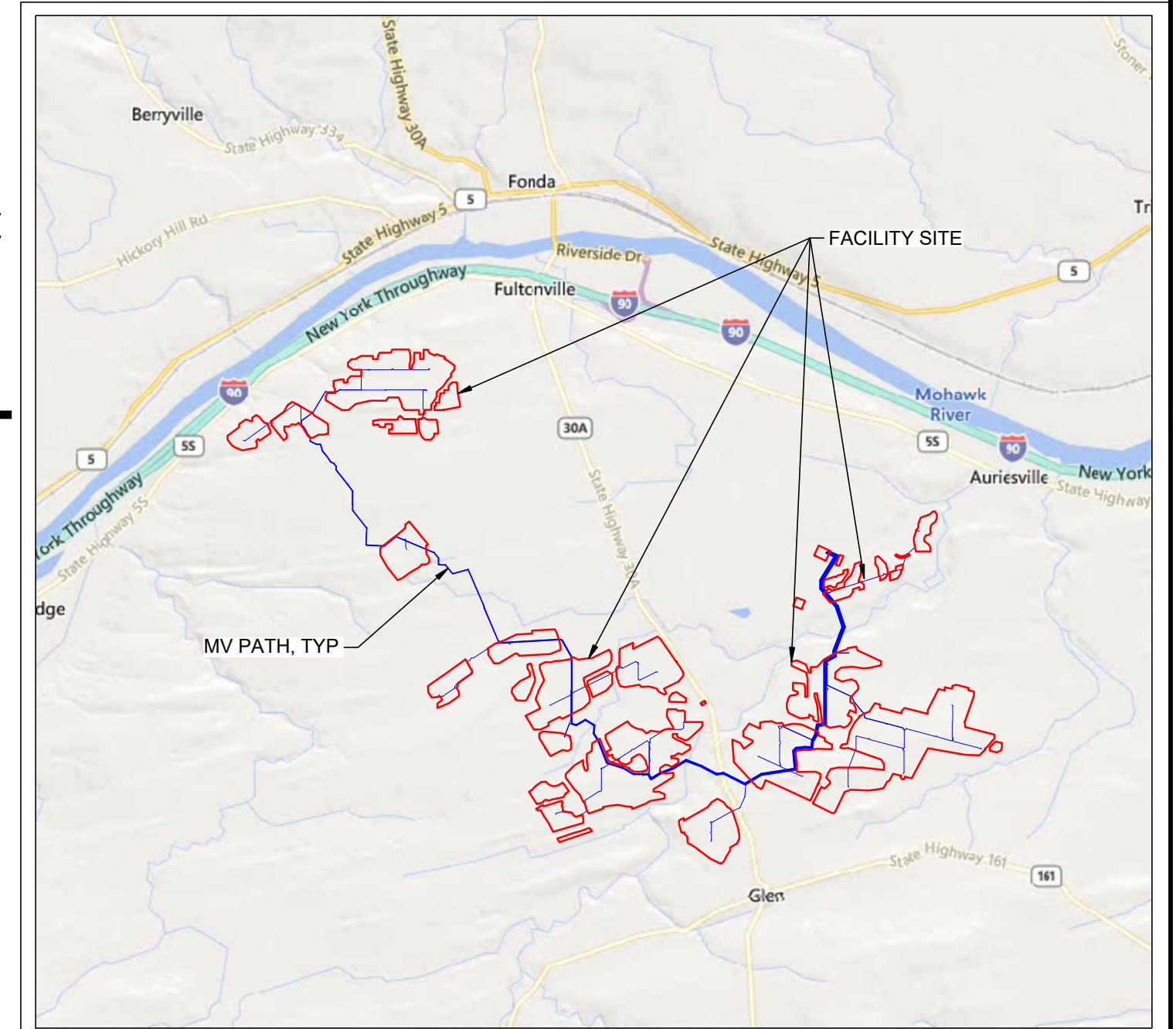
MILL POINT SOLAR I PROJECT

PREPARED FOR: CONNECTGEN MONTGOMERY COUNTY LLC
PREPARED BY: TRC ENGINEERS, INC.
ISSUE DATE: 07/12/2024
ISSUE STATUS: ISSUED FOR 94-C DEFICIENCY SUPPLEMENT

PROJECT DATA

LOCATION: MONTGOMERY COUNTY, NY
PROJECTION: STATE PLANE NAD 83 (NY82-EF)
POWER GENERATED: 250 MWac

SITE MAP






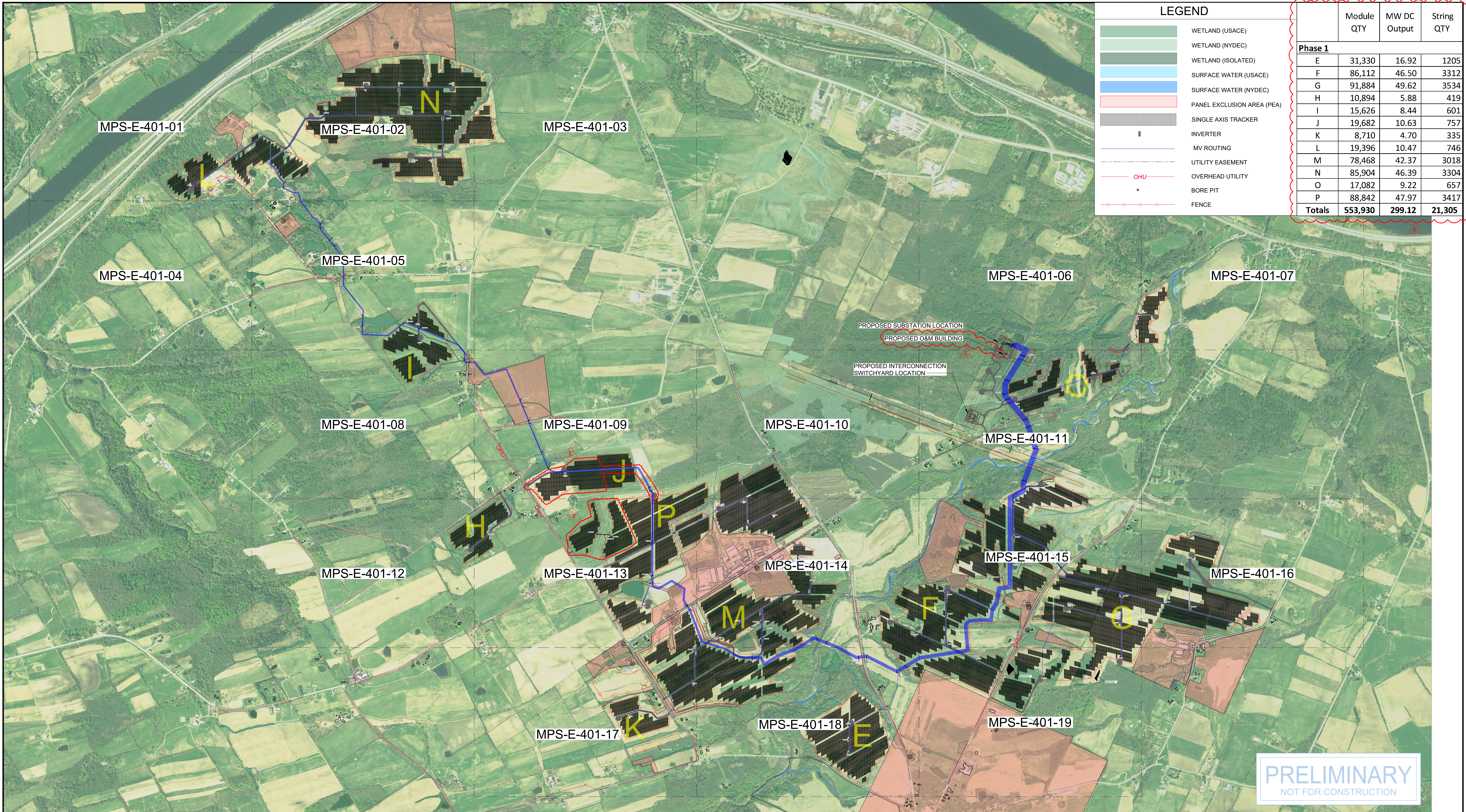
THESE DESIGN DRAWINGS HAVE BEEN CREATED AT THE DIRECTION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
ENGINEER OF RECORD: JAYME GARCIA, LICENSE #090650
TRC ENGINEERS, INC., CERTIFICATE OF AUTHORIZATION NO. 001817,
1407 BROADWAY, SUITE 3301, NEW YORK, NY 10018.

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

THE STATE OF NEW YORK

PRELIMINARY
 NOT FOR CONSTRUCTION

 670 NORTH COMMERCIAL STREET SUITE 203 MANCHESTER, NH 03101		PROJECT NO: 443269					JAK DESIGNED JAK DRAWN JTG CHECKED DVL APPROVED		MILL POINT SOLAR I PROJECT CONNECTGEN MONTGOMERY COUNTY LLC COVER SHEET		GLEN NEW YORK																																			
<table border="1"> <thead> <tr> <th>REFERENCE ITEMS</th> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DES</th> <th>CHK</th> <th>APP</th> </tr> </thead> <tbody> <tr> <td></td> <td>E</td> <td>ISSUED FOR 94-C DEFICIENCY SUPPLEMENT</td> <td>07/12/24</td> <td>JAK</td> <td>JTG</td> <td>DVL</td> </tr> <tr> <td></td> <td>D</td> <td>ISSUED FOR 94-C</td> <td>04/26/24</td> <td>JAK</td> <td>JTG</td> <td>DVL</td> </tr> <tr> <td></td> <td>C</td> <td>ISSUED FOR 94-C</td> <td>01/15/24</td> <td>JAK</td> <td>JTG</td> <td>DVL</td> </tr> <tr> <td></td> <td>B</td> <td>ISSUED FOR REVIEW</td> <td>09/01/23</td> <td>JAK</td> <td>JTG</td> <td>DVL</td> </tr> </tbody> </table>		REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP		E	ISSUED FOR 94-C DEFICIENCY SUPPLEMENT	07/12/24	JAK	JTG	DVL		D	ISSUED FOR 94-C	04/26/24	JAK	JTG	DVL		C	ISSUED FOR 94-C	01/15/24	JAK	JTG	DVL		B	ISSUED FOR REVIEW	09/01/23	JAK	JTG	DVL	DATE: 07-12-2024 LIC. EXP.: 09-30-2026		REVIEW 1 REVIEW 2		07/12/24 DATE AS NOTED SCALE				MPS-E-400-00 REV. E	
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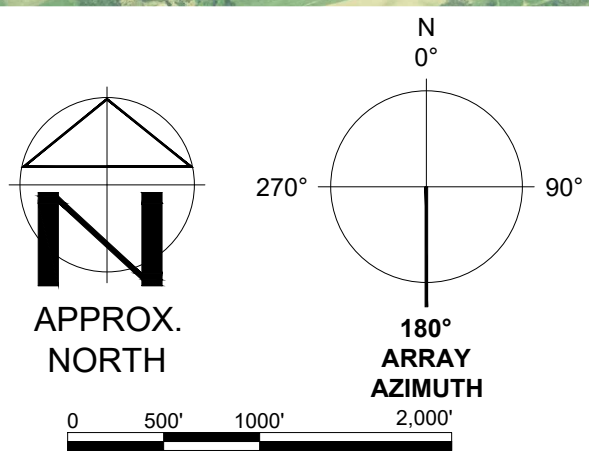


LEGEND

- WETLAND (USACE)
- WETLAND (NYDEC)
- WETLAND (ISOLATED)
- SURFACE WATER (USACE)
- SURFACE WATER (NYDEC)
- PANEL EXCLUSION AREA (PEA)
- SINGLE AXIS TRACKER
- INVERTER
- MV ROUTING
- UTILITY EASEMENT
- OHU OVERHEAD UTILITY
- BORE PIT
- FENCE

	Module QTY	MW DC Output	String QTY
Phase 1			
E	31,330	16.92	1205
F	86,112	46.50	3312
G	91,884	49.62	3534
H	10,894	5.88	419
I	15,626	8.44	601
J	19,682	10.63	757
K	8,710	4.70	335
L	19,396	10.47	746
M	78,468	42.37	3018
N	85,904	46.39	3304
O	17,082	9.22	657
P	88,842	47.97	3417
Totals	553,930	299.12	21,305

PRELIMINARY
NOT FOR CONSTRUCTION



TRC 670 NORTH COMMERCIAL STREET SUITE 203
MANCHESTER, NH 03101

PROJECT NO: 443269

REV	DESCRIPTION	DATE	DES	CHK	APP
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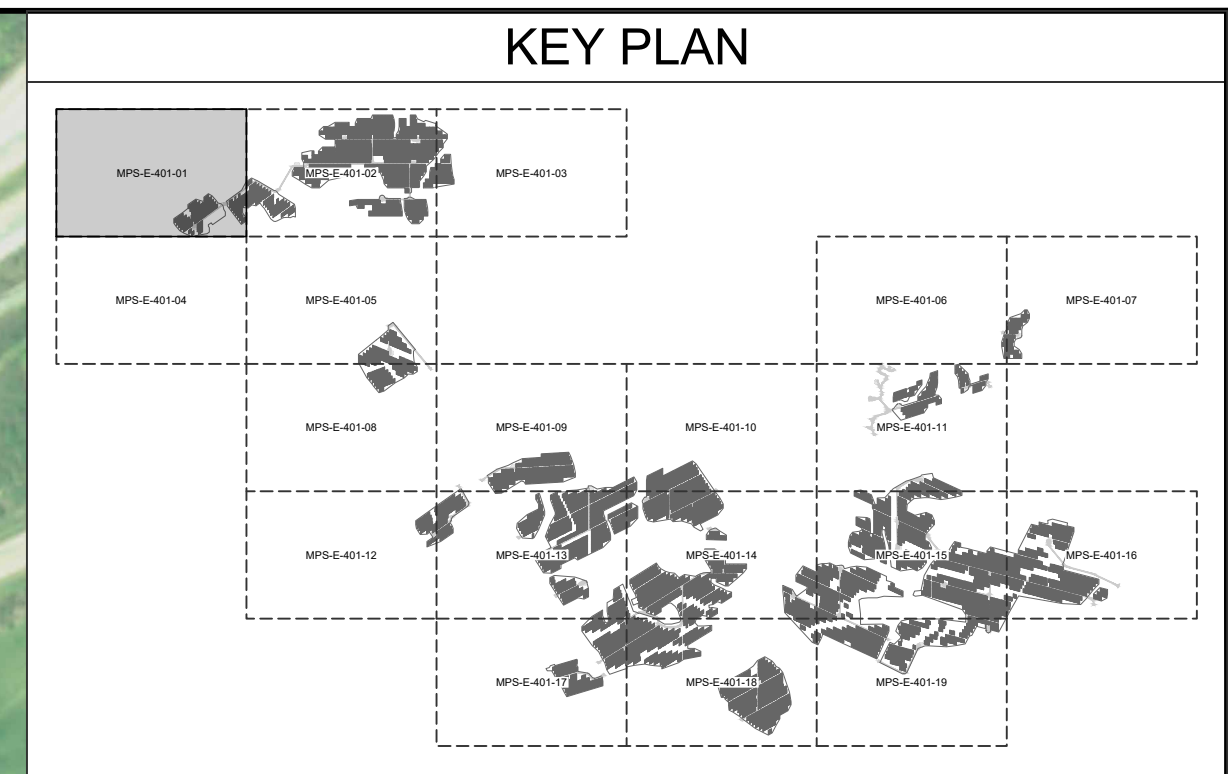
MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
OVERALL SITE PLAN

GLEN NEW YORK

DATE: 07/12/24
LIC. EXP.: 09-30-2026

REVIEW 1
REVIEW 2

TRC MPS-E-400-01



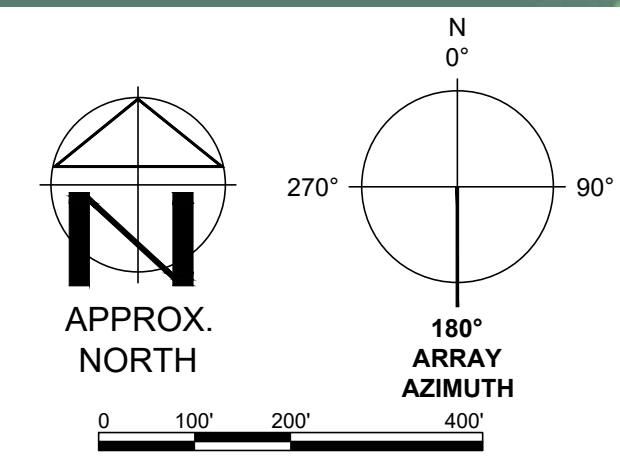
LEGEND

	WETLAND (USACE)
	WETLAND (NYDEC)
	WETLAND (ISOLATED)
	SURFACE WATER (USACE)
	SURFACE WATER (NYDEC)
	PANEL EXCLUSION AREA (PEA)
	SINGLE AXIS TRACKER
	INVERTER
	MV ROUTING
	UTILITY EASEMENT
	OVERHEAD UTILITY
	BORE PIT
	FENCE

NOTES:

1. NEW MV CIRCUITS CROSS CREEK AT AN ANGLE BECAUSE THEY HAVE TO CROSS TRANSMISSION EASEMENT PERPENDICULARLY.

PRELIMINARY
NOT FOR CONSTRUCTION



TRC 670 NORTH COMMERCIAL STREET SUITE 203
MANCHESTER, NH 03101

PROJECT NO: 443269

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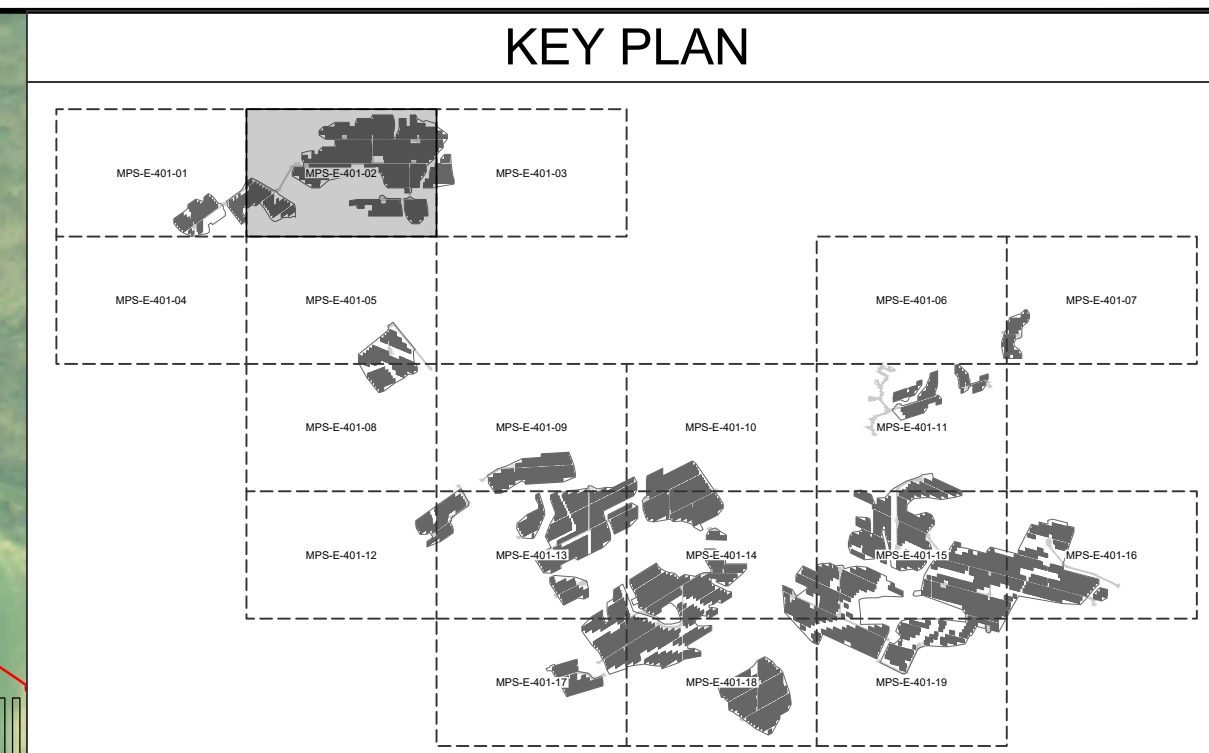
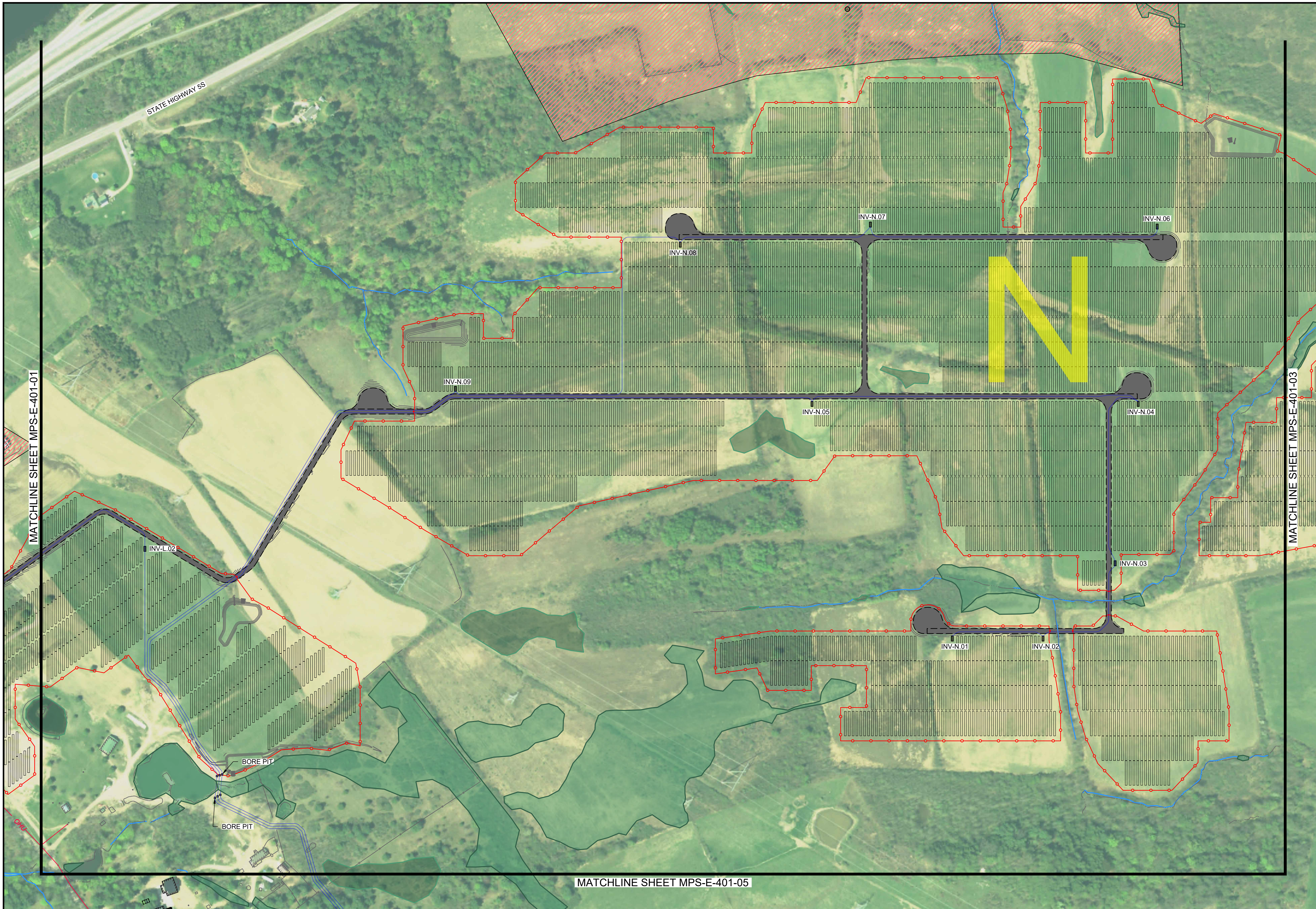
JAK DESIGNED
JAK DRAWN
JTG CHECKED
DVL APPROVED
REVIEW 1
REVIEW 2

MILL POINT SOLAR I PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
ARRAY PLAN 1

GLEN NEW YORK

DATE: 07/12/24
SCALE: AS NOTED

TRC MPS-E-401-01



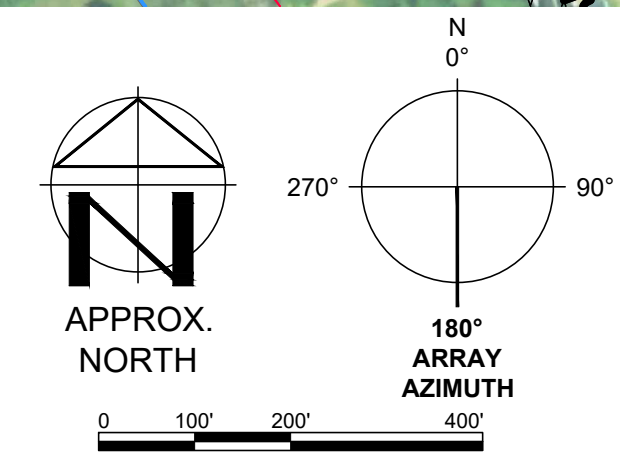
LEGEND

	WETLAND (USACE)
	WETLAND (NYDEC)
	WETLAND (ISOLATED)
	SURFACE WATER (USACE)
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	PANEL EXCLUSION AREA (PEA)
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	MV ROUTING
	UTILITY EASEMENT
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	BORE PIT
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NOTES:

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TRC 670 NORTH COMMERCIAL STREET SUITE 203
MANCHESTER, NH 03101

PROJECT NO: 443269

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JAK DESIGNED	
JAK DRAWN	
JTG CHECKED	
DVL APPROVED	
REVIEW 1	
REVIEW 2	

MILL POINT SOLAR 1 PROJECT
CONNECTGEN MONTGOMERY COUNTY LLC
ARRAY PLAN 2

GLEN NEW YORK

DATE: 07/12/24
SCALE: AS NOTED

TRC MPS-E-401-02