

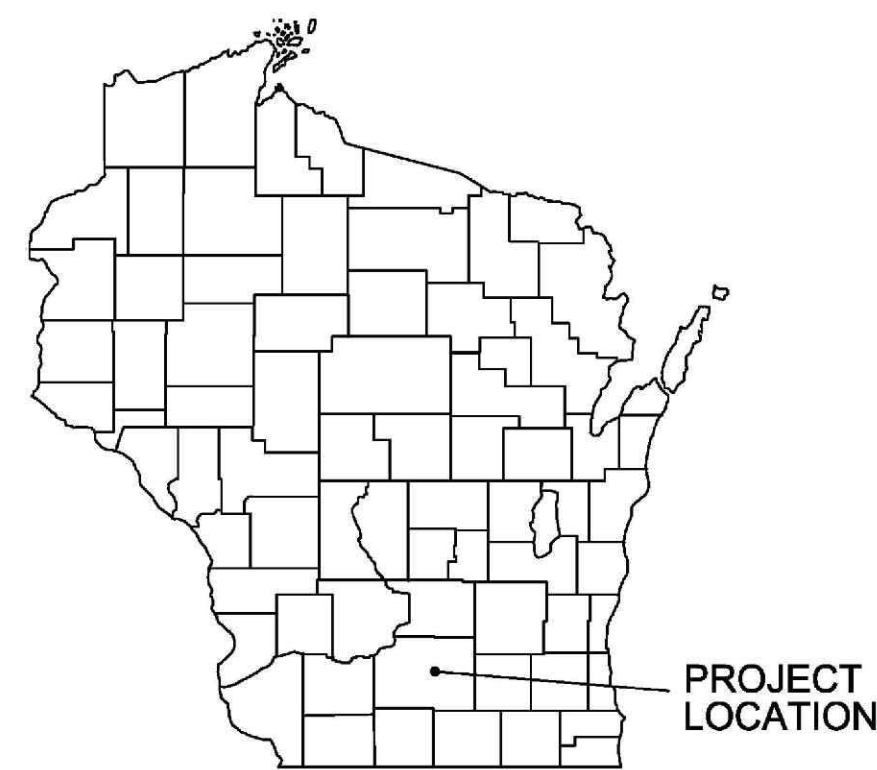
CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III

DANE COUNTY PARKS CITY OF FITCHBURG DANE COUNTY, WI

OWNER:
DANE COUNTY PARKS

PROJECT CONTACT:
RYAN SHORE
ENGINEERING PROJECT MANAGER
(608) 266.4475

ENGINEER:
MSA PROFESSIONAL SERVICES



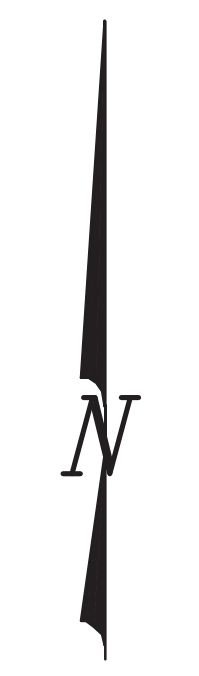
PROJECT LOCATION

LEGEND

— W —	EXISTING WATER MAIN
— W — G	EXISTING WATER MAIN, VALVE & HYDRANT
— W — S	EXISTING WATER SERVICE & CURB STOP
— W — G — S	PROPOSED WATER MAIN, VALVE, & HYDRANT
— W — S — S	PROPOSED WATER SERVICE & CURB STOP
— SAN — S	EXISTING SANITARY SEWER & MANHOLE
— SAN — S — S	PROPOSED SANITARY SEWER & MANHOLE
— FM —	EXISTING FORCEMAIN
— SS —	EXISTING STORM SEWER & INLET
— SS — S	PROPOSED STORM SEWER & INLET
— SS — S — S	PROPOSED STORM SEWER & MANHOLE
— E —	BURIED ELECTRIC
— G —	BURIED GAS & VALVE
— TV —	BURIED CABLE TELEVISION
— T —	BURIED TELEPHONE
— FO —	BURIED FIBER OPTICS
— OH —	OVERHEAD UTILITY
— R —	RAILROAD TRACKS
— C —	EXISTING CURB & GUTTER
— C — S	PROPOSED CURB & GUTTER
— S —	EXISTING SIDEWALK
— S — S	PROPOSED SIDEWALK
— CP —	EXISTING CULVERT PIPE
— CP — S	PROPOSED CULVERT PIPE
— F —	FENCE LINE
— D —	DRAINAGE ARROW
— SF —	SILT FENCE
— RW —	RIGHT-OF-WAY
— BL —	BASELINE
— PL —	PROPERTY LINE
— TL —	TREE LINE
●	BENCHMARK
●	IRON PIPE
●	IRON ROD
▲	CONTROL POINT
○ —	UTILITY POLE & GUY
⊕ 1000.00	SOIL BORING
⊗	LIGHT POLE
⊠	PEDESTAL
⊥	STREET SIGN
⊕	MAILBOX
⊕	FLAGPOLE
⊕	TREE - DECIDUOUS
⊕	TREE - CONIFEROUS
⊕	TREE TO BE REMOVED

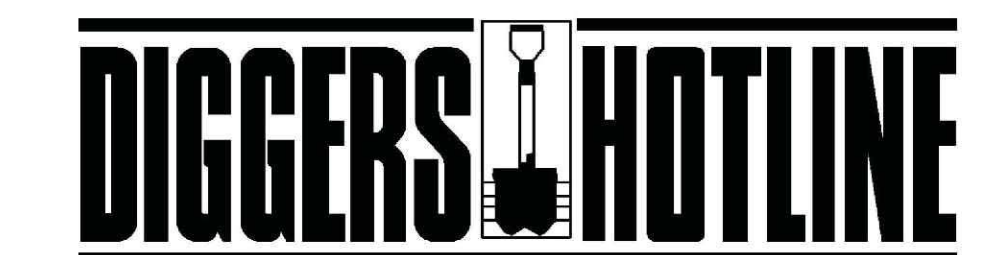
SHEET INDEX:

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C3.0	STRUCTURE DETAILS
PP1	PLAN & PROFILE
CS 1-3	CROSS SECTIONS



NO SCALE

LOCATION MAP



Dial **811** or (800) 242-8511

www.DiggersHotline.com

NOTE:
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO CONSTRUCTION.

PROJECT NO.:	13177009	SCALE:	AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE:	2/2/18	DRAWN BY:	KNH	-	-	-	-
F.B.:	-	CHECKED BY:	KGL	-	-	-	-
PLOT DATE:	8/2/19, P:\131009\131709\13177009\CADD\C3D\13177009_Details.dwg						



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CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
DANE COUNTY PARKS
DANE COUNTY, WISCONSIN

TITLE SHEET

FILE NO.
13177009
SHEET
G 1

CONSTRUCTION NOTES

GENERAL

1. ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES SHALL BE FIELD VERIFIED, BY CONTRACTOR, PRIOR TO CONSTRUCTION.
2. ALL WORK IN ROAD RIGHT-OF-WAYS SHALL BE COORDINATED AND PERMITTED, BY CONTRACTOR, WITH THE LOCAL MUNICIPALITY.
3. ALL ASPHALT REPAIRS/REPLACEMENT SHALL BE SAW-CUT TO MATCH EXISTING PAVEMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER.
4. PAVING AND GRADING SHALL BE ADJUSTED TO MATCH EXISTING ELEVATIONS OF ADJACENT MANHOLES, CULVERTS, SIDEPATHS, ROADWAYS TO PROVIDE A SMOOTH TRANSITION AND ENSURE PROPER DRAINAGE, UNLESS OTHERWISE SPECIFIED ON PLANS.
5. EXISTING TRAIL CENTERLINE AND DRAINAGE PATTERNS SHALL BE MAINTAINED, UNLESS OTHERWISE NOTED ON PLANS.
6. ANY FILL PLACED UNDER PAVED AREAS SHALL BE COMPACTED AND STRUCTURALLY SOUND.
7. CONTRACTOR IS RESPONSIBLE FOR ALL TRAIL AND ROADWAY TRAFFIC CONTROL.
8. THE PREFERRED WINDOW FOR CONSTRUCTION EQUIPMENT ALONG THE TRAIL IS 15 FEET WIDE AND 15 FEET HIGH.
9. MINOR TREE TRIMMING MAY BE REQUIRED IN AREAS ALONG THE TRAIL TO ALLOW FOR CONSTRUCTION EQUIPMENT OR INSTALLATION OF PROPOSED CULVERTS. ALL TREE REMOVALS SHALL BE COORDINATED WITH AND APPROVED BY OWNER.
10. TRAIL PAVEMENT RESTORATION IS WEST FROM SEMINOLE HIGHWAY TO THE TRAIL ROUNDABOUT (APPROX. 1.0 MILES).
11. NO WORK SHALL BEGIN PRIOR TO JULY 6TH, 2020 AND ALL WORK SHALL BE COMPLETE BY NOVEMBER 1, 2020.
12. TRAIL CLOSURE SHALL NOT EXCEED 4 CONSECUTIVE WEEKS.
13. THE CONTRACTOR SHALL COORDINATE PHASING AND SCHEDULE WITH THE OWNER AND PROVIDE TWO WEEKS NOTICE PRIOR TO ANY CLOSURE.
14. TOPSOIL, SEED, AND MULCH SHALL BE SPREAD TO RESTORE ALL DISTURBED AREAS TO ORIGINAL GRADES.

SUMMARY OF WORK

TRAIL PAVEMENT IMPROVEMENTS

FURNISH ALL LABOR, TOOLS, MATERIALS, AND EQUIPMENT TO PERFORM TRAIL PAVEMENT IMPROVEMENTS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED BY ENUMERATION:

GENERAL CONDITIONS

- MOBILIZATION/DEMobilIZATION.
- SET UP AND MAINTAIN TRAFFIC CONTROL MEASURES.
- SET UP AND MAINTAIN EROSION CONTROL MEASURES PER PLANS, SPECS, AND PERMITS.
- CLEARING AND GRUBBING, INCLUDING MOWING OF THE SHOULDER MAY BE NECESSARY, SOME TREES MAY NEED TO BE REMOVED FROM THE TRAIL TO ALLOW THE EQUIPMENT TO ACCESS THE AREA. REMOVAL OF TREES SHALL BE COORDINATED WITH THE OWNER.
- CONSTRUCTION OF TYPICAL TRAIL SECTION
- INSTALLATION AND COMPACTION OF STRUCTURAL FILL.
- INSTALLATION OF CULVERTS AND RIP RAP WITH FABRIC.
- GRADING OF SIDESLOPES AND SWALES.
- INSTALLATION, COMPACTION AND GRADING OF GRAVEL SHOULDERS.
- INSTALLATION OF AT-GRADE CROSSING WARNING WITH DETECTABLE WARNING FIELDS.
- RESTORATION OF ALL DISTURBED AREAS.

CONSTRUCTION OF TYPICAL TRAIL SECTION

- PULVERIZE EXISTING ASPHALT PAVEMENT, DEPTH OF EXISTING PAVEMENT MAY VARY.
- FINE GRADE AND COMPACT THE PULVERIZED BASE FOR THE PAVEMENT.
- INSTALL SURFACE LAYER OF PAVEMENT (ONE LIFT OF 3" OF 4 LT 58-28 S).
- INSTALL, COMPACT AND SHAPE GRAVEL SHOULDERS.
- SITE MAY REQUIRE ADDITIONAL GRADING OUTSIDE OF THE GRAVEL SHOULDER TO MATCH NEW RAISED TRAIL ELEVATION TO IMPROVE THE DRAINAGE. IT'S PRESUMED THAT GRADING WILL BE DONE UP TO 1.5 FT. OUT, TYPICAL BOTH SIDES.
- FINE GRADE, TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS.

INSTALLATION OF STRUCTURAL FILL AND CULVERTS

- INSTALL (3) THREE 24-INCH BY 38-INCH CULVERTS AND RIP RAP.
- REMOVE EXISTING 6" CULVERTS, EXCAVATE AND BACKFILL.
- INSTALL (2) TWO 6-INCH HDPE PIPES WITH RIP RAP.
- PLACE AND COMPACT GRAVEL FILL AND RAISE PROFILE OF THE PATH PER PLAN.
- GRADE SIDESLOPES AS SHOWN IN CROSS SECTIONS TO MATCH EXISTING GRADES.
- FINE GRADE, TOPSOIL, SEED AND MULCH PER PLAN.

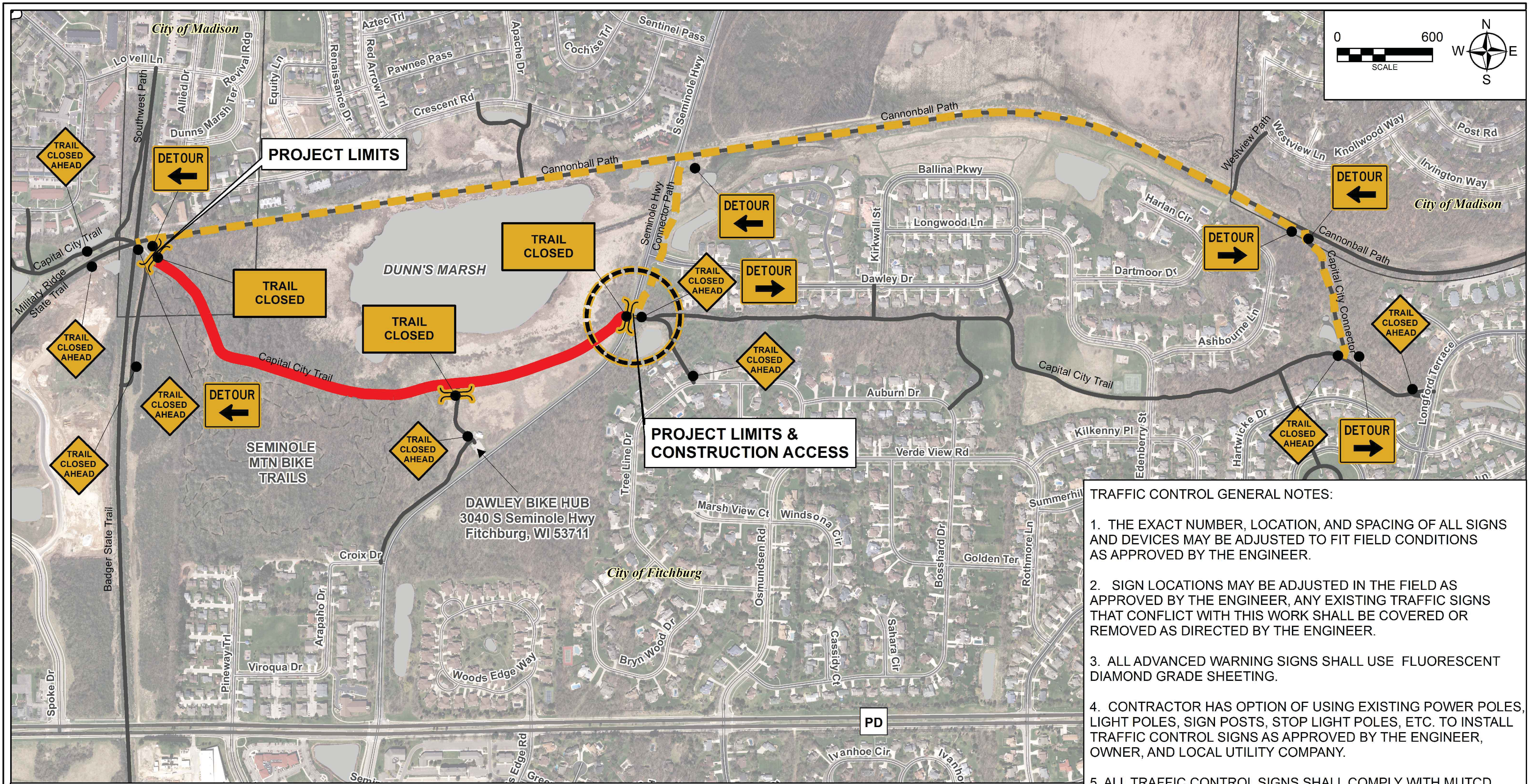
PROJECT NO.:	13177009	SCALE:	AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE:	2/2/18	DRAWN BY:	KNH	-	-	-	-
F.B.:		CHECKED BY:	KCL	-	-	-	-
PLOT DATE: 8/2/19, P:\131008\131706\131771\13177009\CADD\C3D\13177009_Details.dwg							



CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
 DANE COUNTY PARKS
 DANE COUNTY, WISCONSIN

NOTES

FILE NO.
 13177009
 SHEET
 G1.1



PROJECT LIMITS & CONSTRUCTION ACCESS

PROJECT LIMITS

- TRAFFIC CONTROL GENERAL NOTES:**
1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
 2. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD AS APPROVED BY THE ENGINEER, ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS WORK SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
 3. ALL ADVANCED WARNING SIGNS SHALL USE FLUORESCENT DIAMOND GRADE SHEETING.
 4. CONTRACTOR HAS OPTION OF USING EXISTING POWER POLES, LIGHT POLES, SIGN POSTS, STOP LIGHT POLES, ETC. TO INSTALL TRAFFIC CONTROL SIGNS AS APPROVED BY THE ENGINEER, OWNER, AND LOCAL UTILITY COMPANY.
 5. ALL TRAFFIC CONTROL SIGNS SHALL COMPLY WITH MUTCD SPECIFICATIONS.
 6. ROADWAY TRAFFIC CONTROL AND ROW PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR AS APPROVED BY ENGINEER AND LOCAL MUNICIPALITY.
 7. ALL ACCESS, PARKING AND STAGING AREAS SHALL BE APPROVED BY THE OWNER PRIOR TO USE AND BE RESTORED TO ORIGINAL CONDITION.

①	②	③	CONSTRUCTION ACCESS	TRAIL DETOUR	TRAIL CLOSED
W20-3A (36X36)	R11-2 (48X30)	+ TYPE III BARRICADE W/ LIGHTS & SIGN			

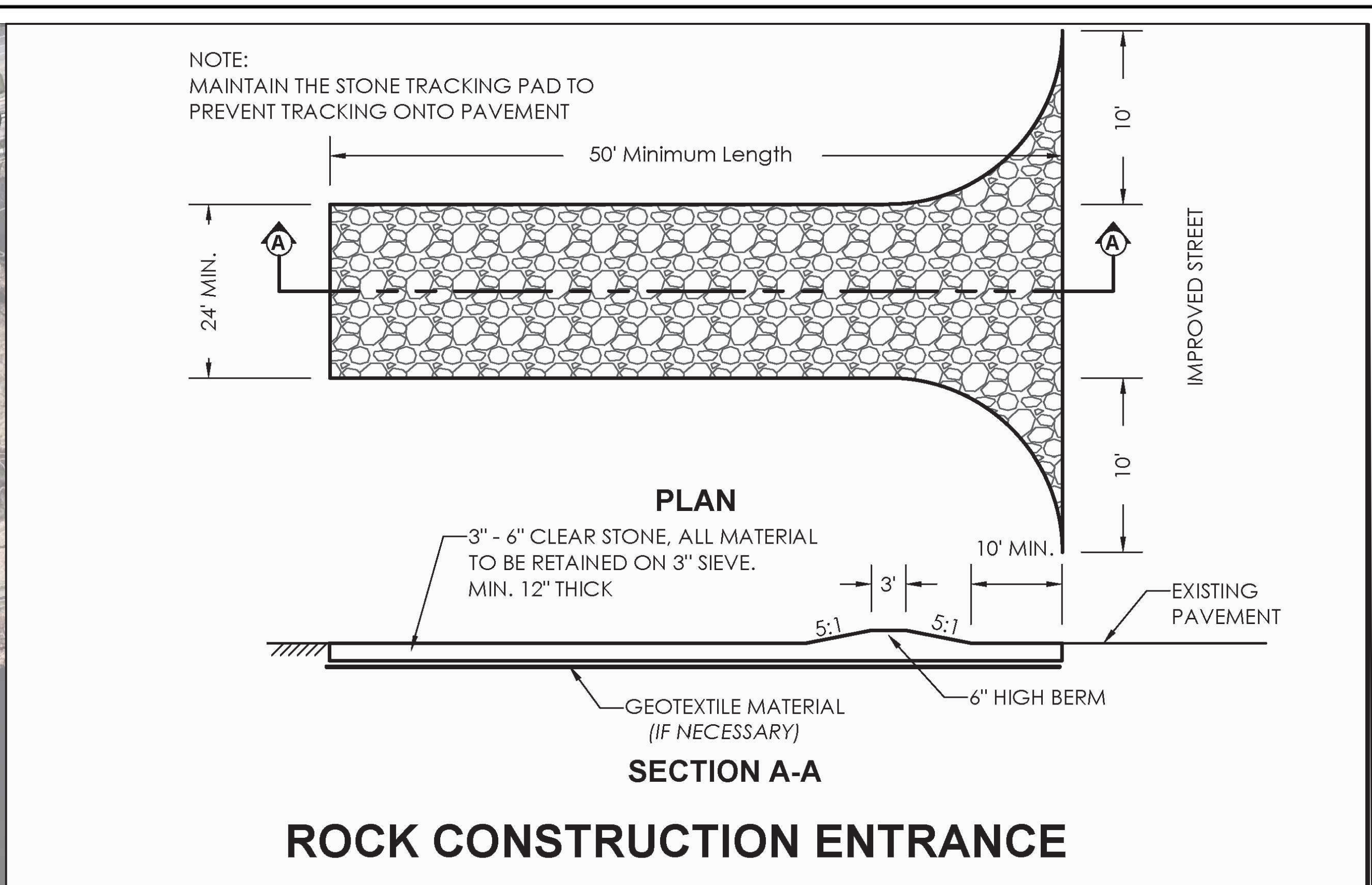
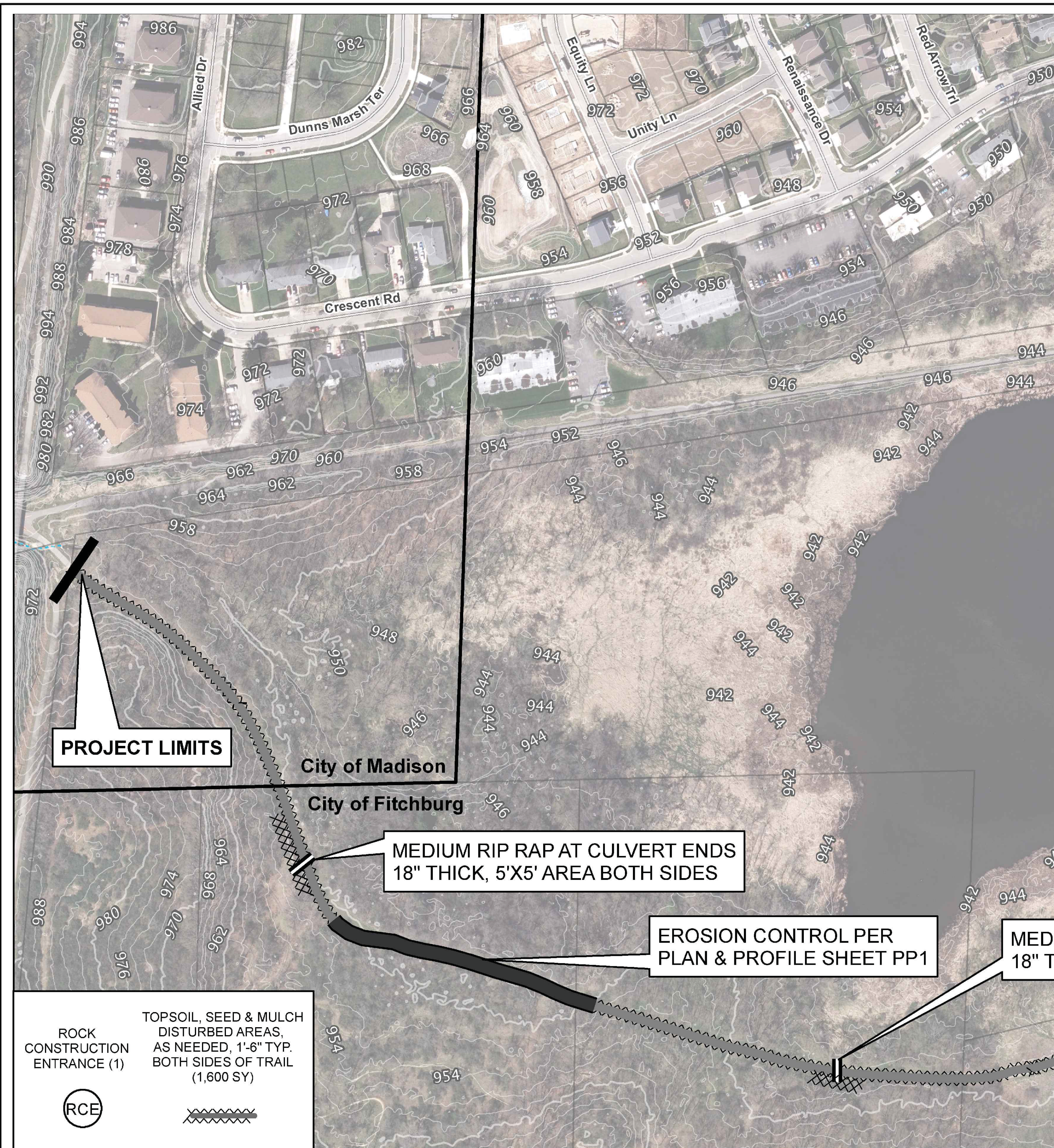
PROJECT NO.:	SCALE: AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE: 4/3/20	DRAWN BY: ADD	-	-	-	-
F.B.:	CHECKED BY: CZJ	-	-	-	-



CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
DANE COUNTY PARKS
DANE COUNTY, WISCONSIN

TRAIL TRAFFIC CONTROL PLAN

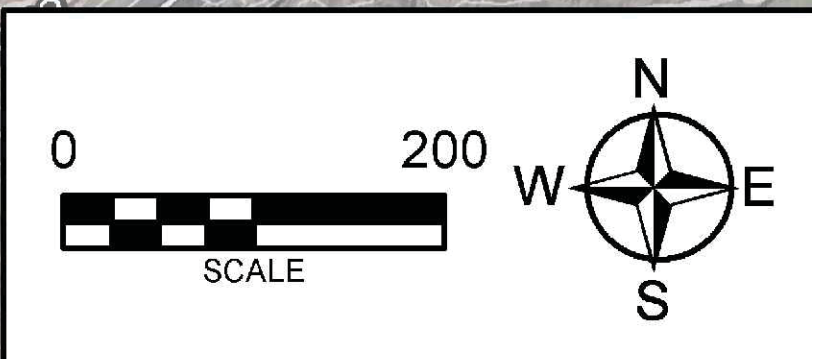
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ROCK CONSTRUCTION ENTRANCE (1)

TOPSOIL, SEED & MULCH DISTURBED AREAS, AS NEEDED, 1'-6" TYP. BOTH SIDES OF TRAIL (1,600 SY)

RCE



PROJECT NO.:	SCALE: AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE: 4/3/20	DRAWN BY: ADD	-	-	-	-
F.B.:	CHECKED BY: CZJ	-	-	-	-



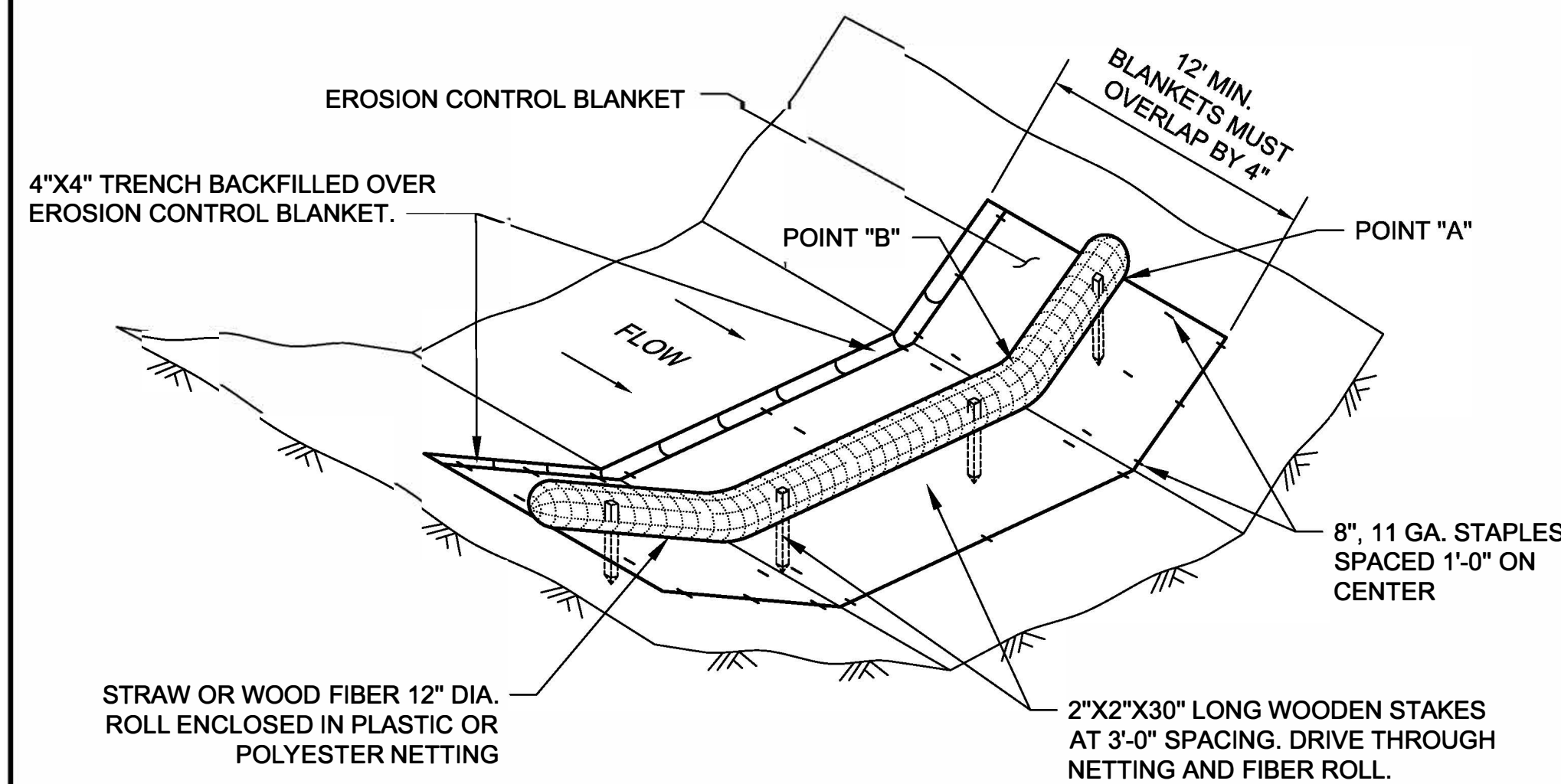
CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
DANE COUNTY PARKS
DANE COUNTY, WISCONSIN

EROSION CONTROL PLAN

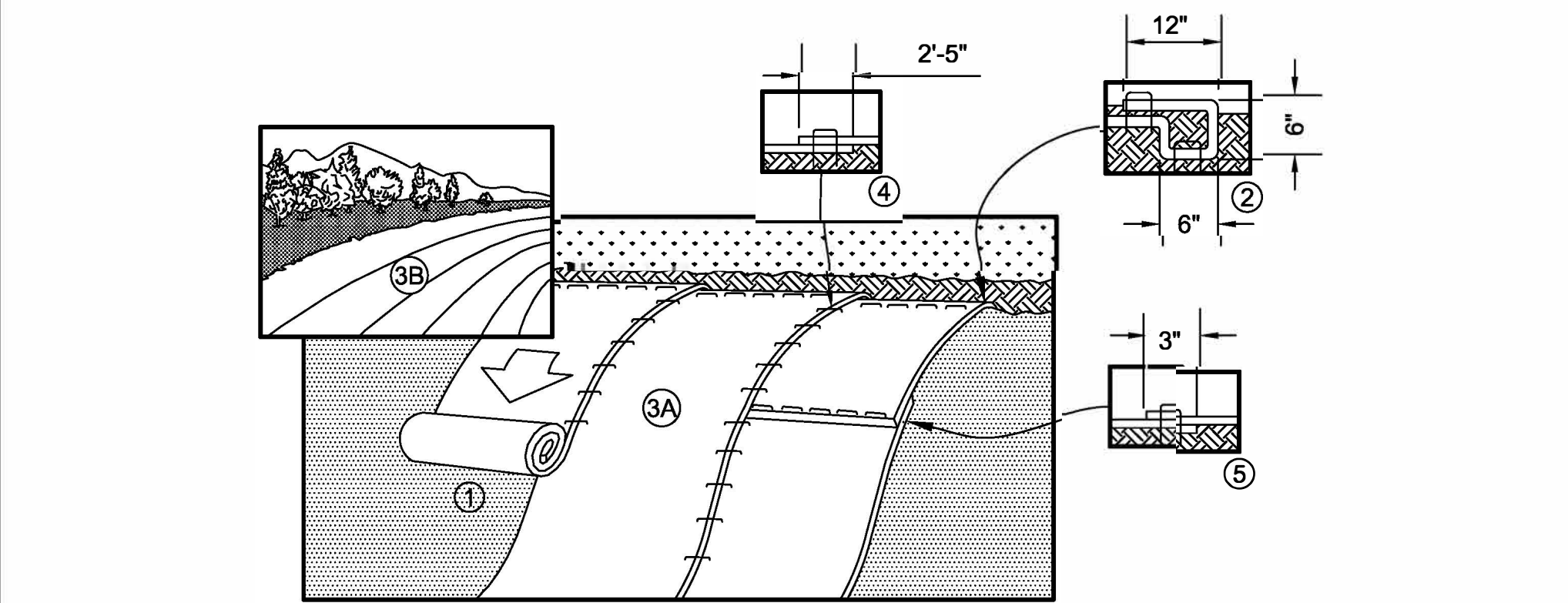
FILE NO.
SHEET
G3.0

**CONSTRUCTION SITE
EROSION CONTROL REQUIREMENTS**

- 1.) SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM SHALL BE MADE AS REQUIRED.
- 2.) ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY RELEASED STANDARD.
- 3.) THIS INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE CONTRACT DRAWINGS AND IN THE ACCOMPANYING SPECIFICATIONS.
- 4.) ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- 5.) THE AREA OF ERODIBLE LAND EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.
- 6.) ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN HAS OCCURRED. ALL NECESSARY REPAIR AND MAINTENANCE WILL BE DONE AT THIS INSPECTION TIME.
- 7.) ALL EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE PROPERLY INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS WITHIN THEIR RESPECTIVE DRAINAGE AREAS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.
- 8.) ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
- 9.) ANY SLOPES STEEPER THAN 3H:1V SHALL BE STAKED WITH EROSION CONTROL FABRIC UNLESS INDICATED ON THE PLAN.
- 10.) ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- 11.) WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY BE REQUIRED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
- 12.) CHANNELIZED RUNOFF ENTERING THE PROJECT SITE FROM ADJOINING LANDS SHALL BE DIVERTED THROUGH NATURALLY OR ARTIFICIALLY EROSION-RESISTANT CONVEYANCES. IF CHANNELIZED RUNOFF CANNOT BE DIVERTED, SITE BEST MANAGEMENT PRACTICES MUST ACCOUNT FOR THE ADDITIONAL FLOW RATES AND EROSION POTENTIAL THAT SUCH RUNOFF PRESENTS.
- 13.) THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL, DIRT, AND/OR DUST.
- 14.) EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
- 15.) ADDITIONAL EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) SHALL INCLUDE THE FOLLOWING:
 - a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - c. DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE STANDARD 1061 - DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE.
- 16.) ALL DRAINAGE CULVERTS, STORM DRAIN INLETS, MANHOLES, OR ANY OTHER EXISTING STRUCTURES THAT COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.
- 17.) ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- 18.) DURING THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION OF A DISTURBED WATERING OF ALL NEWLY SEEDED AND MULCHED AREAS SHALL BE PROVIDED WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- 19.) WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.
- 20.) ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
- 21.) ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.

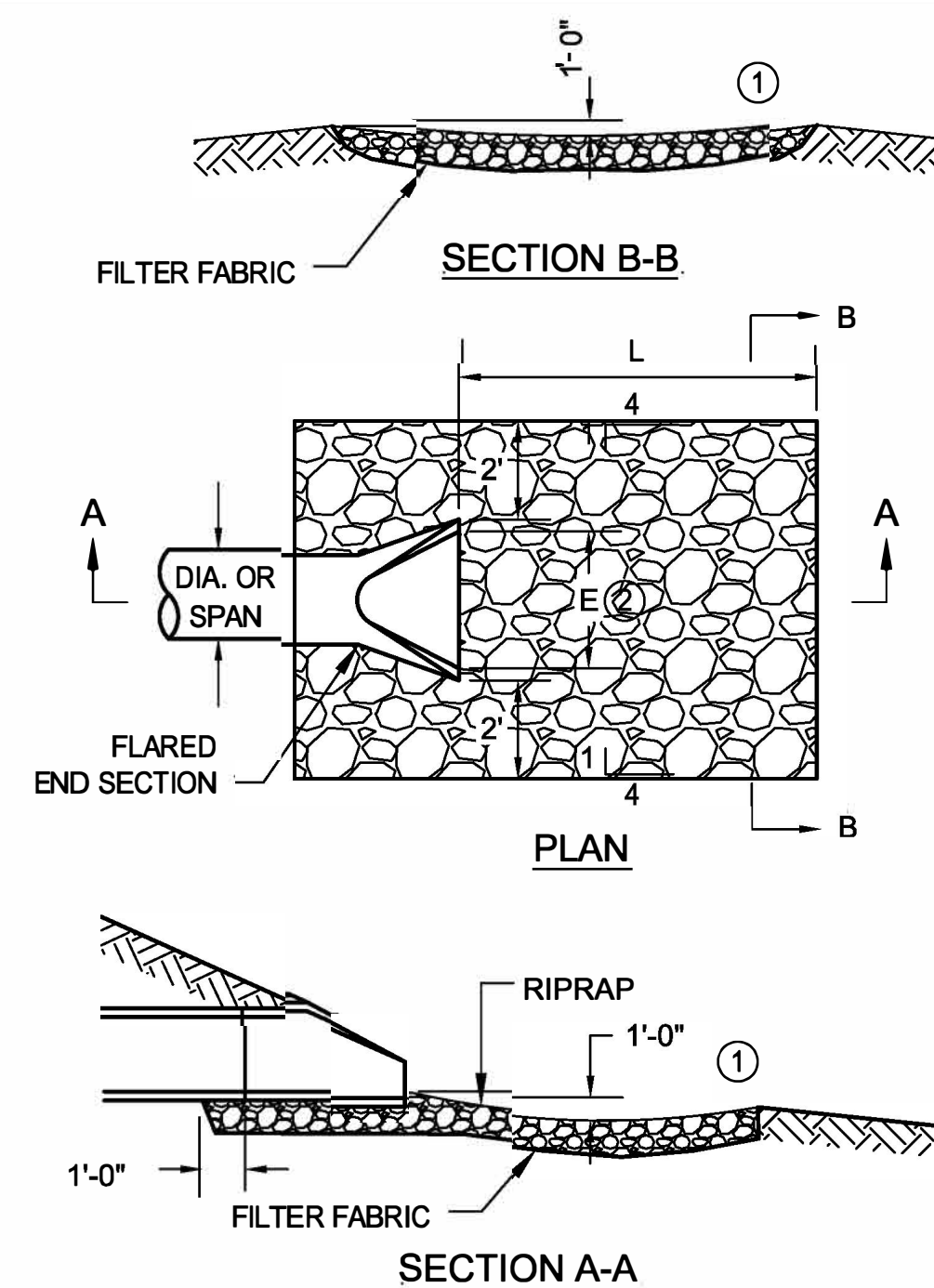


BIOROLL BLANKET SYSTEM
NO SCALE



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-5" (5 CM-12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
 5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

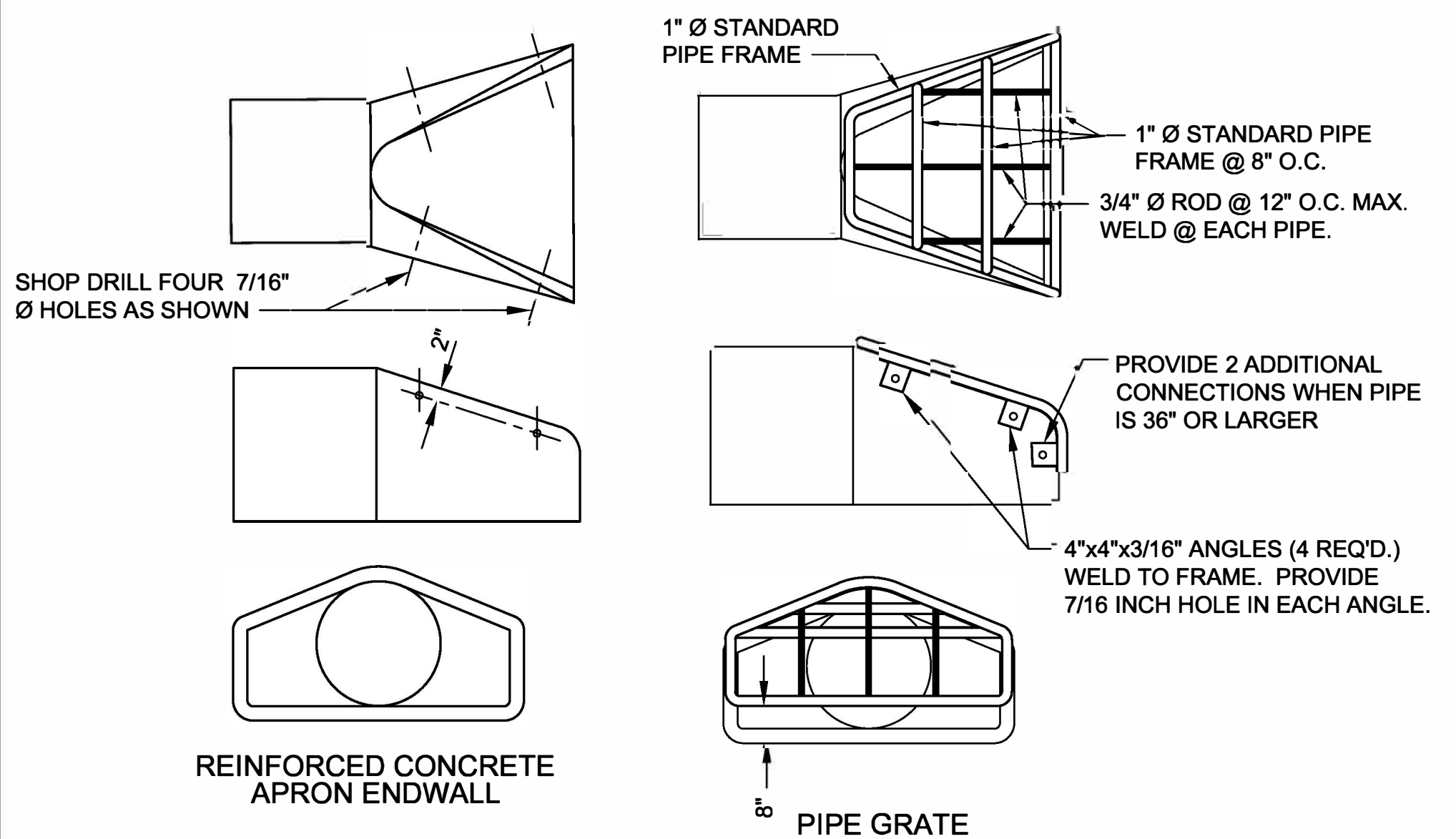
EROSION CONTROL BLANKET DETAIL
NO SCALE



**TABLE OF QUANTITIES
RIPRAP AT RCP OUTLETS**

		CLASS III d50=9"	
DIA. OF ROUND PIPE (IN.)	L (FT.)	18" DEPTH RIPRAP (CU.YDS.)	
30	8	6.8	
30X2	10	12	

RIP RAP AT OUTLETS
NO SCALE



GENERAL NOTES:

1. THE CONTRACTOR SHALL BOLT THE PIPE GRATE TO THE ENDWALL WITH FOUR 3/8 INCH x 6 INCH STAINLESS STEEL ZINC COATED MACHINE BOLTS WITH NUTS ON INSIDE WALL.
2. PAINTING SPECIFICATIONS
THE PIPE GRATE SHALL RECEIVE THE FOLLOWING PREPARATION AND PAINTING.
PREPARATION:
BARE SURFACES BY THOROUGH SCRAPING, WIRE BRUSHING AND CLEANING. APPLY THE THREE COAT SYSTEM LISTED. EACH COAT SHALL BE AN OVERALL COAT.
FIRST COAT: RUST-OLEUM X-60 RED BARE METAL PRIMER OR EQUAL
SECOND COAT: RUST-OLEUM 960 ZINC CHROMATE PRIMER OR EQUAL
THIRD COAT: RUST-OLEUM 1282 HIGH GLOSS AND METALLIC FINISH OR EQUAL
ALLOW 24 - 48 HOURS DRYING TIME BETWEEN COATS.

PIPE GRATE DETAIL
NO SCALE

PROJECT NO.:	SCALE:	AS SHOWN	NO.	DATE	REVISION	BY
13177009	AS SHOWN					
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F.B.:		CHECKED BY:	KCL			
PLOT DATE:	8/2/19					

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CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
 DANE COUNTY PARKS
 DANE COUNTY, WISCONSIN

DETAILS		FILE NO. 13177009
		SHEET G 4

LEGEND
SEMINOLE HWY TO CULVERT:
 TYPICAL TRAIL - APPROX. 1,415 FT

DUNN'S MARSH

Install At-Grade Crossing Warning
 Per Detail on Sheet C2.0

PROJECT LIMITS

Existing Culvert

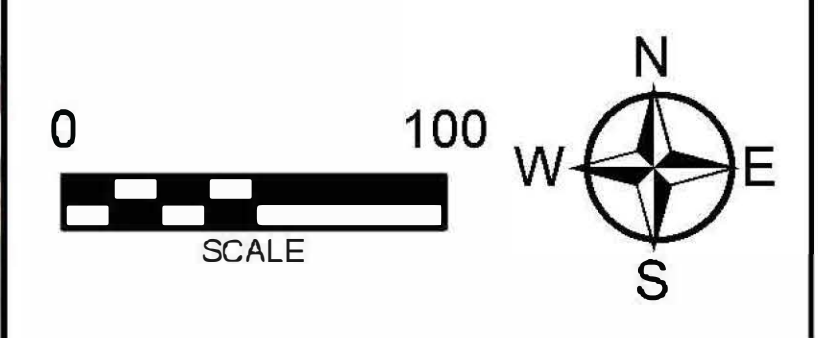
Remove & Replace Trail Connection
 Asphalt with 12'-0" Radius Flare (TYP.)

TRAIL MATCHLINE
 SHEET C1.1

SEMINOLE HWY

DAWLEY BIKE HUB

 To Obtain Location of
 Participants Underground
 Facilities Before You
 Dig in Wisconsin
 CALL DIGGERS HOTLINE
 1-800-242-8511
 Wis Statute 152.0175 (1974)
 Requires Min. 3 Work Days
 Notice Before You Excavate



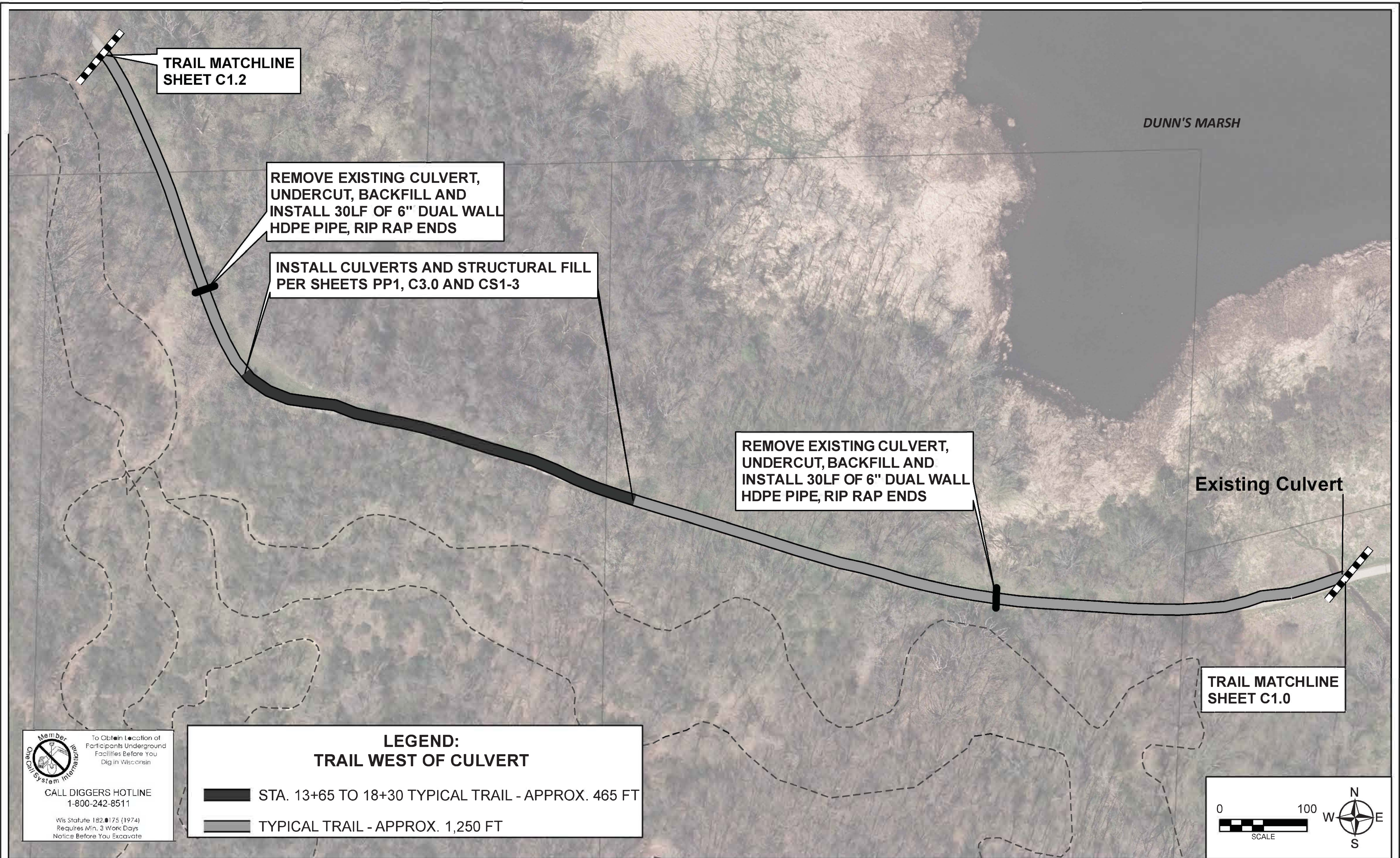
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PROJECT DATE: 4/3/20	DRAWN BY: ADD	-	-	-	-
F.B.:	CHECKED BY: CZJ	-	-	-	-



CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
 DANE COUNTY PARKS
 DANE COUNTY, WISCONSIN

PAVEMENT RESTORATION PLANS



FILE NO.
 SHEET
C1.0



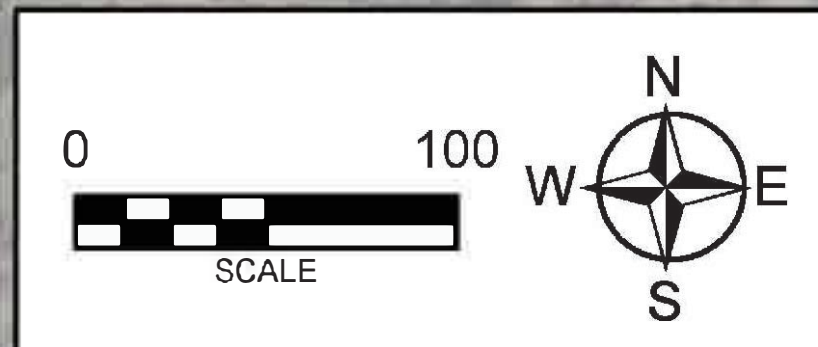

 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
CALL DIGGERS HOTLINE
 1-800-242-8511
Wis Statute 182.175 (1974)
 Requires Min. 3 Work Days
 Notice Before You Excavate

LEGEND:

TRAIL WEST OF CULVERT

 STA. 13+65 TO 18+30 TYPICAL TRAIL - APPROX. 465 FT
 TYPICAL TRAIL - APPROX. 1,250 FT

TRAIL MATCHLINE SHEET C1.0



PROJECT NO.:	SCALE: AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE: 4/3/20	DRAWN BY: ADD				
F.B.:	CHECKED BY: CZJ				



CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
 DANE COUNTY PARKS
 DANE COUNTY, WISCONSIN

PAVEMENT RESTORATION PLANS

FILE NO:
 SHEET
C1.1



PROJECT LIMITS

TRAIL MATCHLINE SHEET C1.1

LEGEND:
MTN BIKE PARK ENTRANCE SEGMENT
 TYPICAL TRAIL - APPROX. 350 FT

Member
 One Call System International
 To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin
 CALL DIGGERS HOTLINE
 1-800-242-8511
 Wis Statute 182.0175 (1974)
 Requires Min. 3 Work Days
 Notice Before You Excavate



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CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
 DANE COUNTY PARKS
 DANE COUNTY, WISCONSIN

PAVEMENT RESTORATION PLANS

FILE NO.
 SHEET
C1.2

GENERAL NOTES:

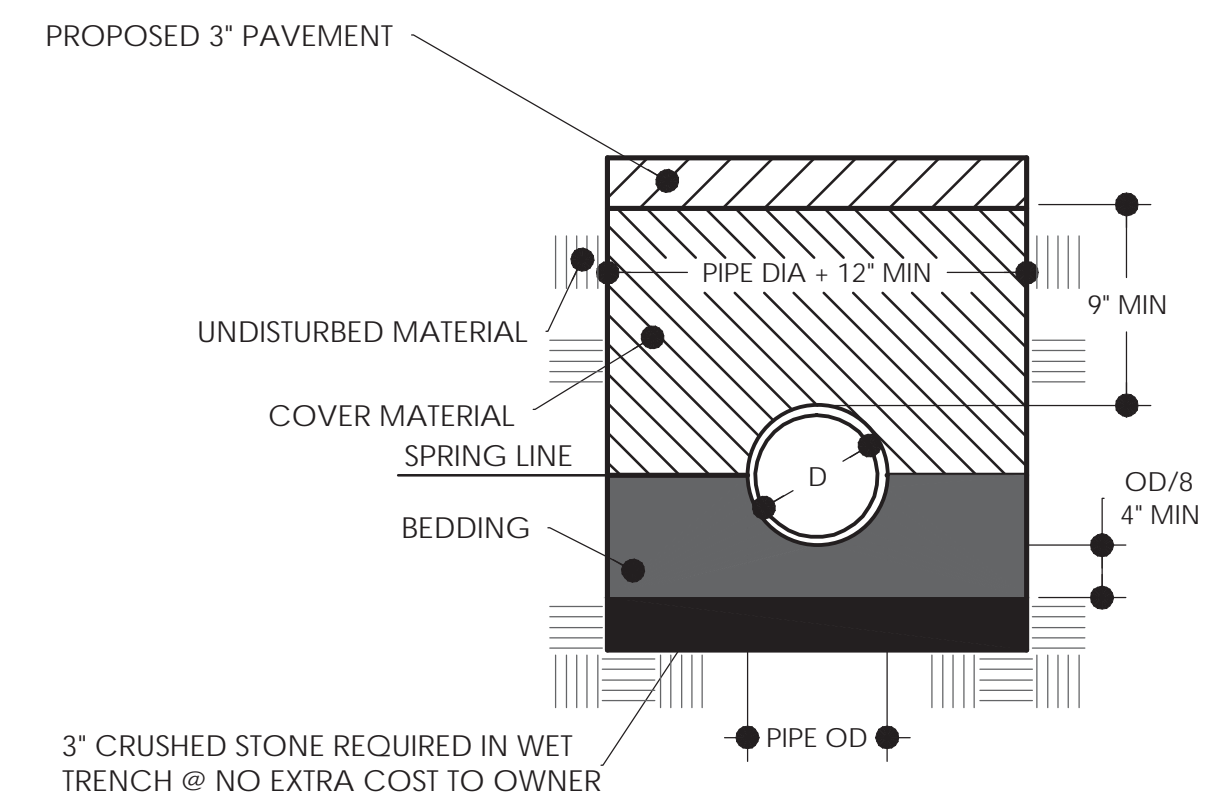
- EXISTING DRAINAGE PROFILES/PATTERNS SHALL BE MAINTAINED.
- PAVING AND GRADING SHALL BE ADJUSTED TO MATCH EXISTING ELEVATIONS OF ADJACENT MANHOLES, CULVERTS, SIDEWALKS, ROADWAYS, AND CONCRETE APRONS TO PROVIDE A SMOOTH TRANSITION AND ENSURE PROPER DRAINAGE, UNLESS OTHERWISE SPECIFIED ON PLANS.
- DUE TO THE INCREASED TRAIL PROFILE ELEVATION, ADJACENT SLOPES AND GRADES SHALL BE CORRECTED TO 3:1 MAX SLOPES TO ACCOMMODATE ANY INCREASE IN FINISHED TRAIL ELEVATION AND ENSURE PROPER DRAINAGE AS APPROVED BY THE ENGINEER.

TYPICAL TRAIL CROSS SECTION

- PULVERIZE EXISTING PAVEMENT, COMPACT, GRADE, PAVE, SHOULDER, TOPSOIL, SEED AND MULCH SIDE SLOPES. TWO 6-INCH CULVERTS WILL BE ADDED CROSSING THE EXISTING PATH CORRIDOR.

STA. 13+65 TO STA. 18+30 TYPICAL TRAIL CROSS SECTION

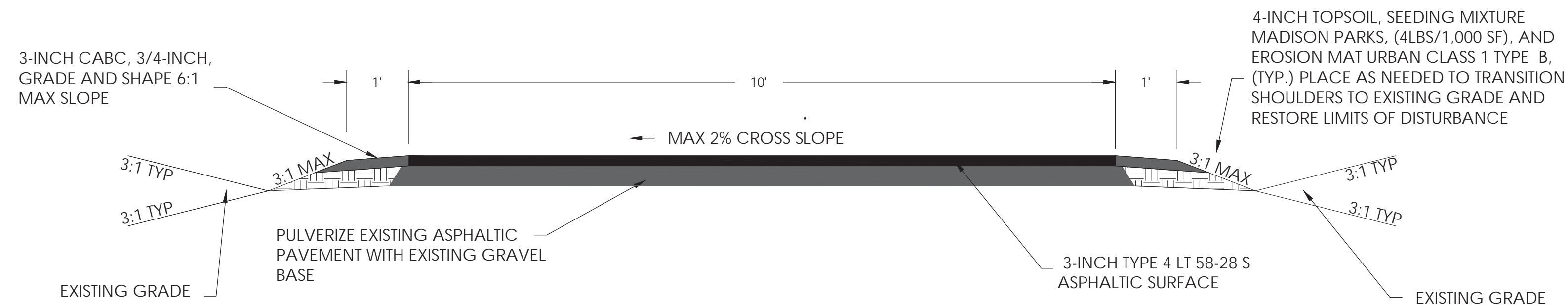
- PULVERIZE EXISTING PAVEMENT, COMPACT, GRADE, PLACE GRAVEL FILL AND RAISE GENERAL PROFILE OF THE PATH WITHIN THE CORRIDOR. THREE 24-INCH BY 38-INCH CULVERTS WILL BE ADDED CROSSING THE EXISTING PATH CORRIDOR. THE PATH WILL BE GRADED AND PAVED TO THE RAISED ELEVATIONS ON THE PLANS. RESTORATION ALONG THE SIDES OF THE PATH AS SHOWN IN THE CROSS SECTIONS TO MATCH TO THE EXISTING GRADES ALONG WITH ASSOCIATED SEEDING IS INCLUDED.



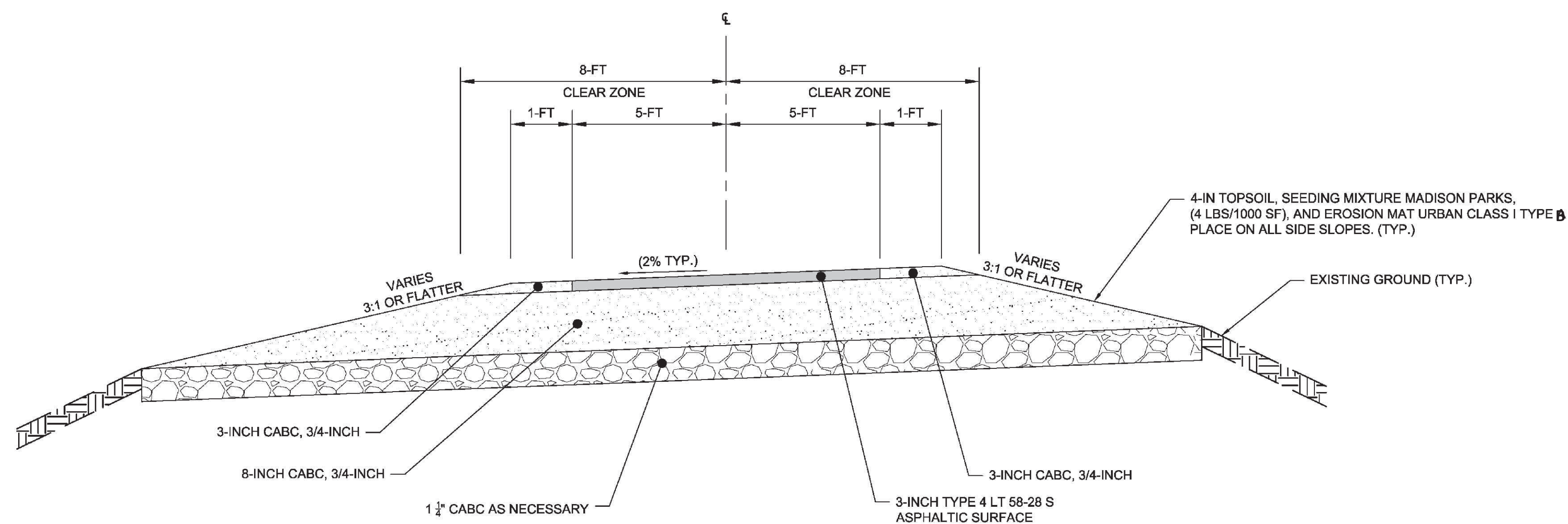
BEDDING AND COVER MATERIAL:
BEDDING AND COVER MATERIAL SHALL BE INCLUDED IN COST OF THE PIPE AND SHALL MEET THE PIPE MANUFACTURER RECOMMENDATIONS.

INSTALLATION:
CONTRACTOR SHALL SET PIPE AT INVERT ELEVATIONS STAKED BY OWNER.
PLACE BEDDING MATERIAL BENEATH AND AROUND THE PIPE TO PROVIDE UNIFORM SUPPORT PER MANUFACTURER RECOMMENDATIONS.
PLACE COVER MATERIAL PER MANUFACTURER RECOMMENDATIONS TO ACHIEVE MINIMUM COVER.

TRAIL CONSTRUCTION TECHNIQUES NOTES

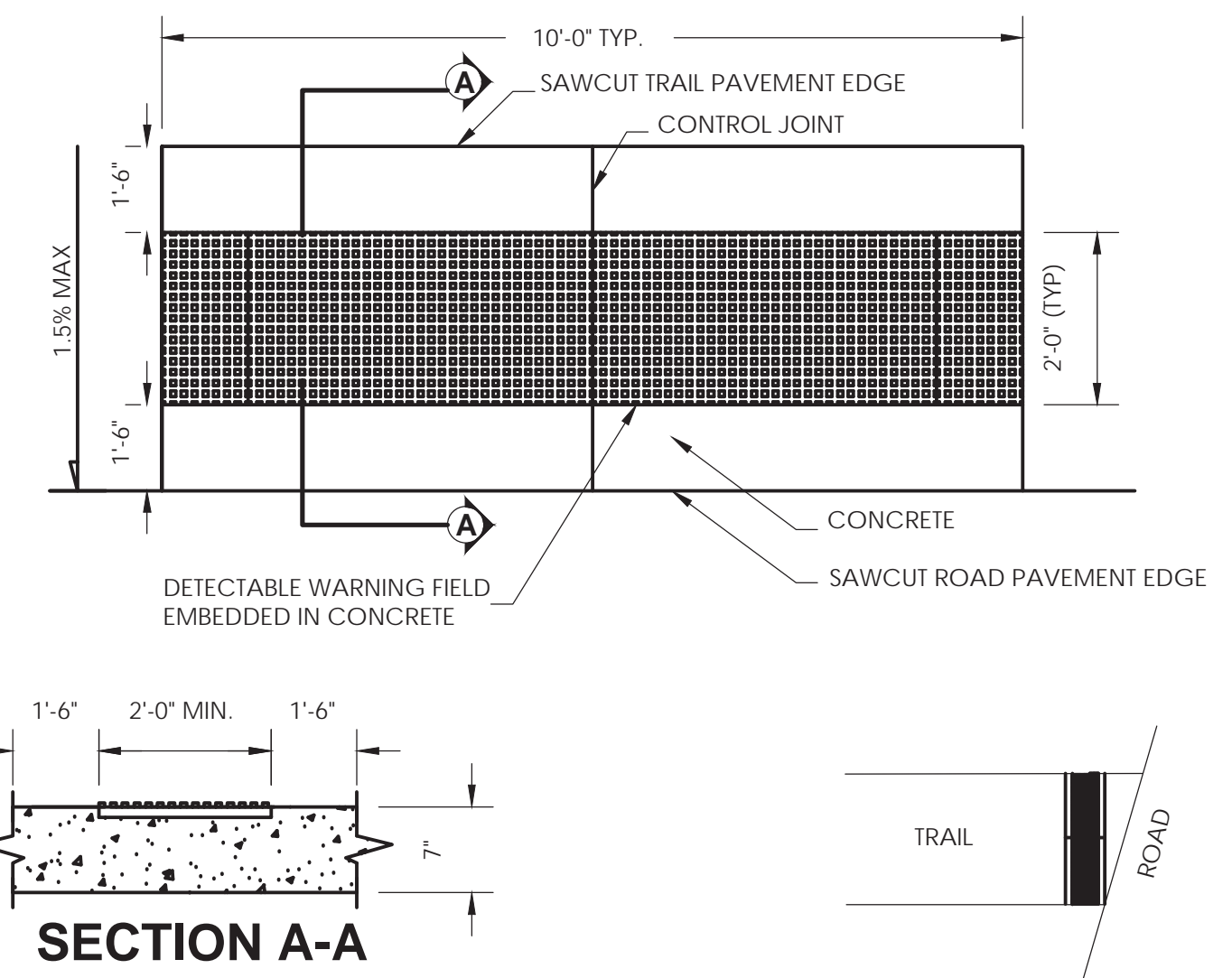


TYPICAL TRAIL CROSS SECTION



STA. 13+65 TO STA. 18+30 TYPICAL TRAIL CROSS SECTION

HDPE PIPE BEDDING



- AT-GRADE CROSSING WARNINGS SHALL INCLUDE DETECTABLE WARNING FIELD WITH TRUNCATED DOMES EMBEDDED IN CONCRETE COVERING A 10' X 2.0' MINIMUM AREA.
- DETECTABLE WARNING FIELD SHALL BE ORIENTED IN A MANNER THAT IT IS PARALLEL TO THE DIRECTION OF PEDESTRIAN TRAFFIC. WHEN ROAD IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAFFIC, INSTALL DETECTABLE WARNING FIELD TIGHT TO ROAD ASPHALT. WHEN ROAD IS NOT PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC, STAGER DETECTABLE WARNING FIELD PANELS TO MINIMIZE SPACE BETWEEN DETECTABLE WARNING FIELD PANELS AND ROAD ASPHALT.
- AT-GRADE CROSSING WARNING SHALL HAVE A MINIMUM 5' LEVEL LANDING AREA (1.5% MAXIMUM SLOPE) IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- CONCRETE THICKNESS SHALL BE 7-INCHES.
- CONSTRUCTION FORMS SHALL BE EQUAL TO OR GREATER THAN THE CONCRETE THICKNESS.
- WHEN CONDITIONS REQUIRE MORE INFORMATION, REFER TO "UFAS" (UNIFORM FEDERAL ACCESSIBILITY STANDARDS).

AT-GRADE CROSSING WARNING

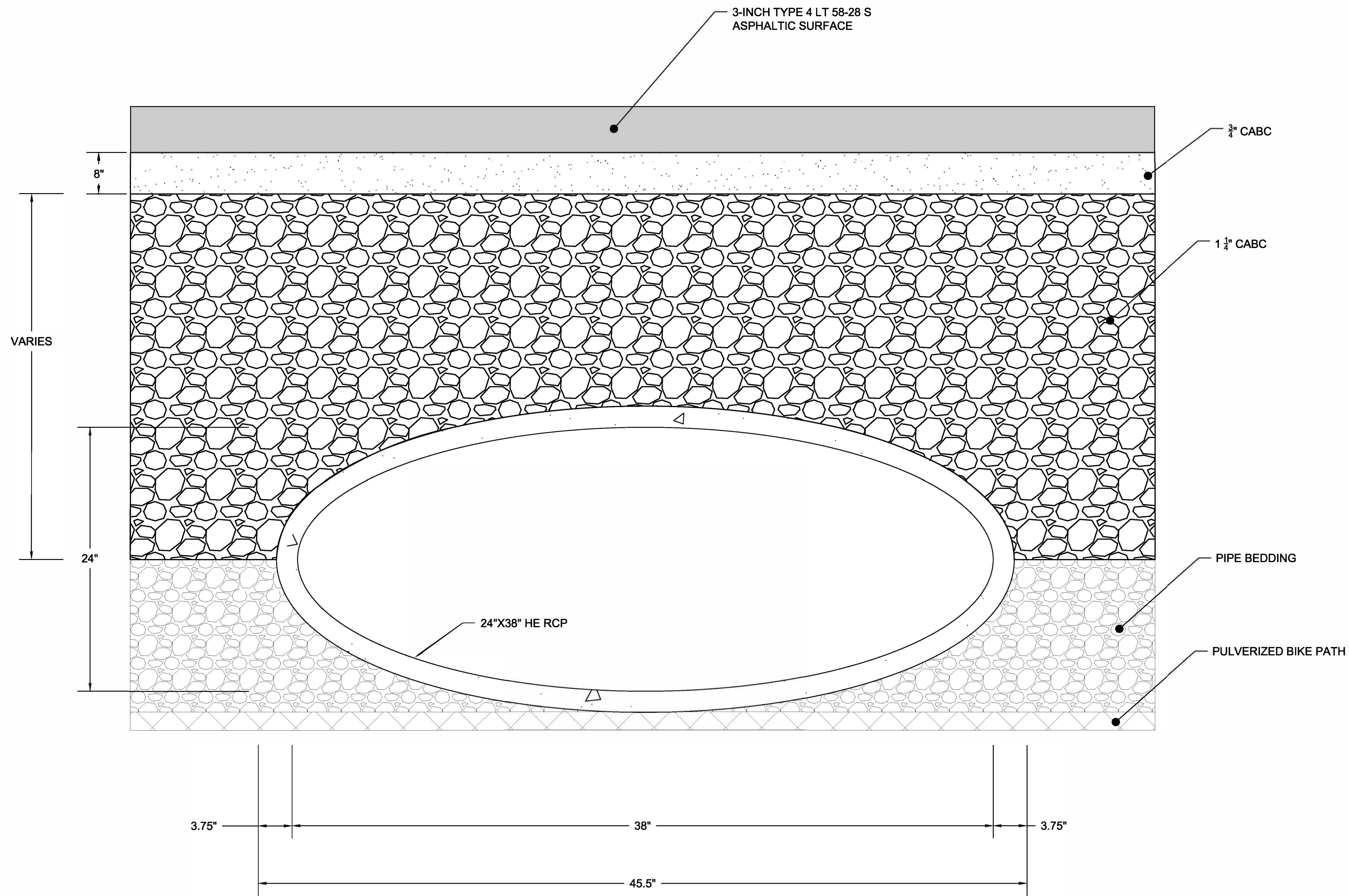
PROJECT NO.:	SCALE: AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE: 4/3/20	DRAWN BY: ADD	-	-	-	-
F.B.:	CHECKED BY: CZJ	-	-	-	-



CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
DANE COUNTY PARKS
DANE COUNTY, WISCONSIN

CONSTRUCTION DETAILS

FILE NO.
SHEET
C2.0



GENERAL NOTES

DETAILS ARE NOT TO SCALE.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE AND PIPE BEDDING SHALL BE BACKFILLED WITH CRUSHED AGGREGATE BASE COURSE AS SHOWN IN THE DETAIL FOR PAVEMENT SUPPORT. FILL OUTSIDE OF SUPPORT AREAS MAY UTILIZE MATERIALS REMOVED FROM THE SITE AS APPROVED BY THE ENGINEER AS LONG AS THE MINIMAL TOPSOIL IS INCLUDED FOR FINAL RESTORATION.

THE JOINT ON THE BOTTOM OF THE CULVERT & THE SIDES OF THE CULVERT SHALL BE SEALED WITH A PREFORMED MASTIC. PREFORMED MASTIC MUST CONFORM TO AASHTO MATERIALS SPEC. M198, TYPE B. A 2'-0" STRIP OF GEOTEXTILE FABRIC SHALL BE PLACED OVER THE JOINTS ON THE TOP AND ON THE SIDES OF THE CULVERT. THE GEOTEXTILE FABRIC SHALL COMPLY WITH REQUIREMENTS OF STANDARD SPECIFICATION 645.2.4, SCHEDULE A.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD 88 (1991 ADJUSTED), AND WERE ESTABLISHED AT THE SITE USING GPS TECHNOLOGY.

IN LIEU OF USING BREAKER RUN FOR THE PIPE CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

PLACE FENCE SAFETY AROUND THE PERIMETER OF THE BOX ENDS WHEN FILL IS NOT IN PLACE.

PATH WILL BE CLOSED FOR CONSTRUCTION. CONTRACTOR TO PROVIDE CORRECT SIGNAGE PER MUTCD.

PROJECT NO.:	13177009	SCALE:	AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE:	2/2/18	DRAWN BY:	KNH				
F.B. :		CHECKED BY:	KCL				
PLOT DATE: 8/2/19, P:\131009\1317009\13177\13177009\CADD\C3D\13177009_Details.dwg							

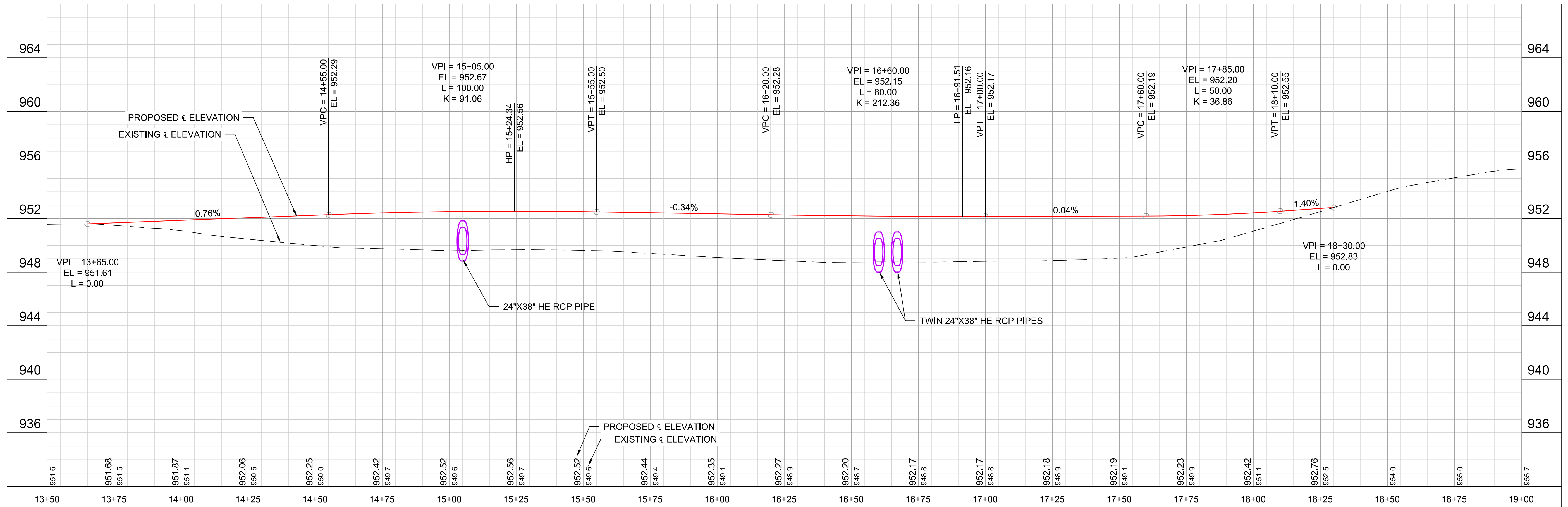
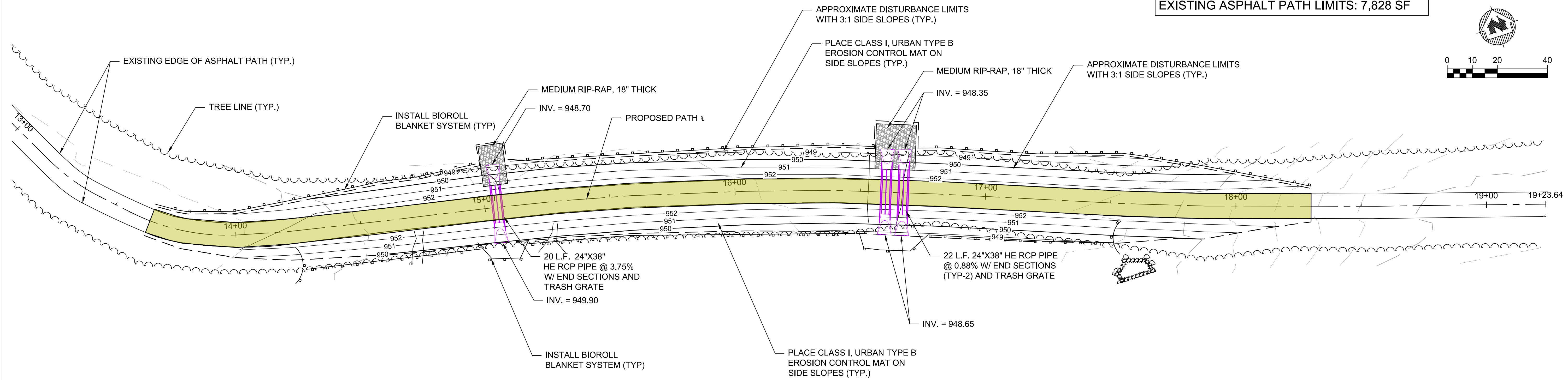
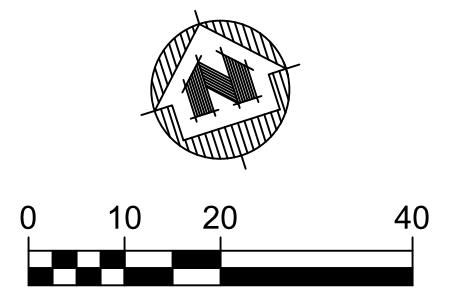
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CAPITAL CITY TRAIL PAVEMENT RESTORATION - PHASE III
 DANE COUNTY PARKS
 DANE COUNTY, WISCONSIN

STRUCTURE DETAILS

FILE NO.
13177009
 SHEET
C3.0

APPROXIMATE DISTURBANCE OUTSIDE OF EXISTING ASPHALT PATH LIMITS: 7,828 SF



PROJECT NO.:	13177009	SCALE: AS SHOWN	NO.	DATE	REVISION	BY
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PLOT DATE:	8/2/19	P:\131006\131709\13177009\CADD\C3D\13177009_Design.dwg				

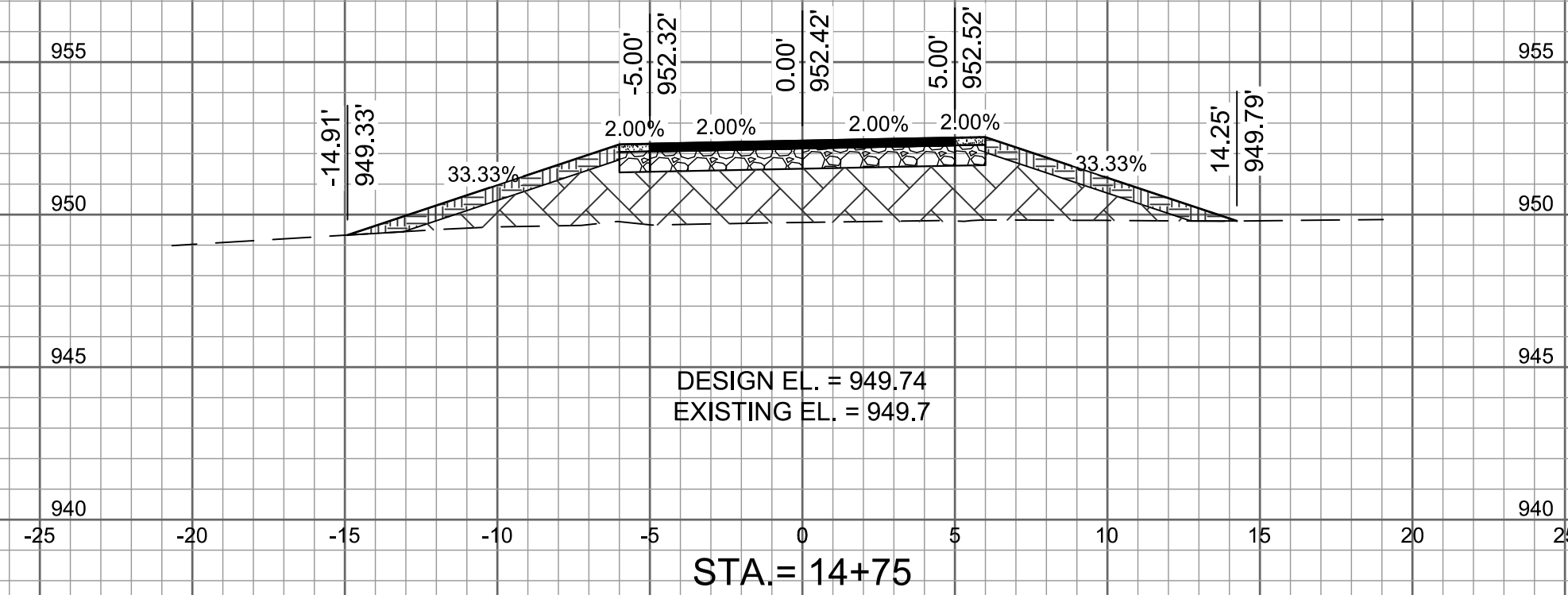
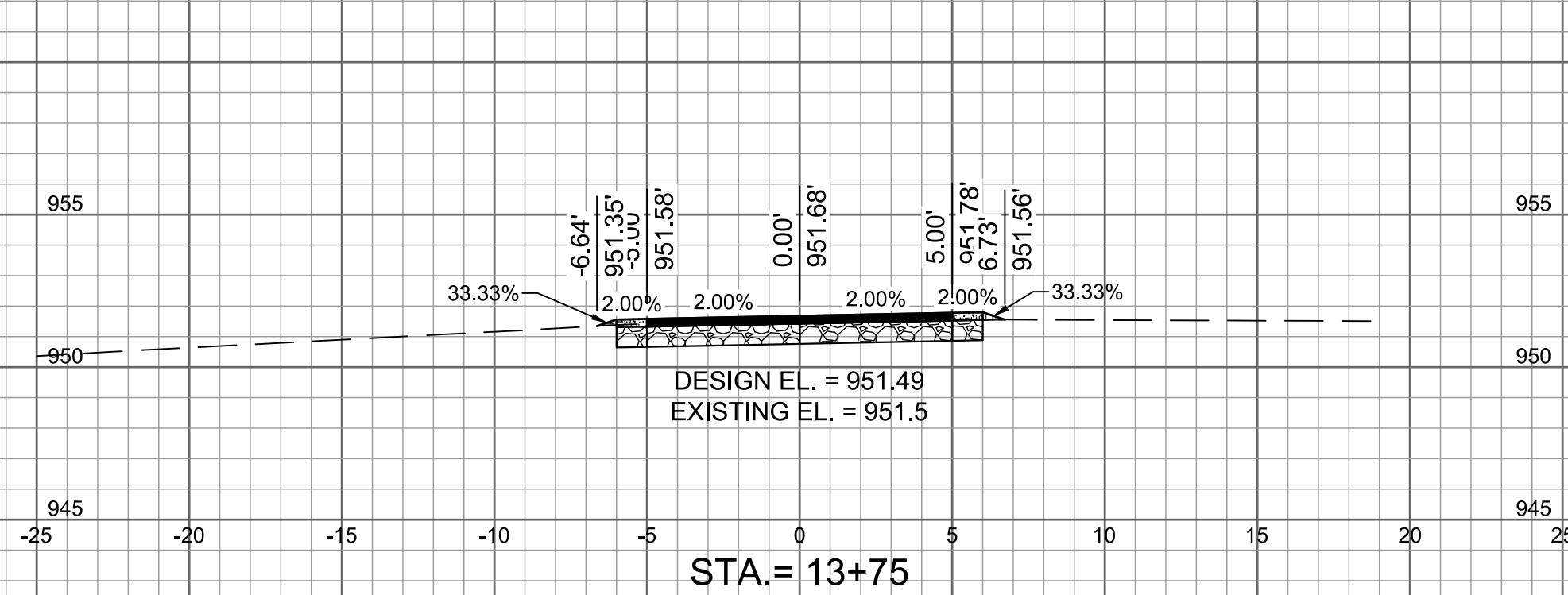
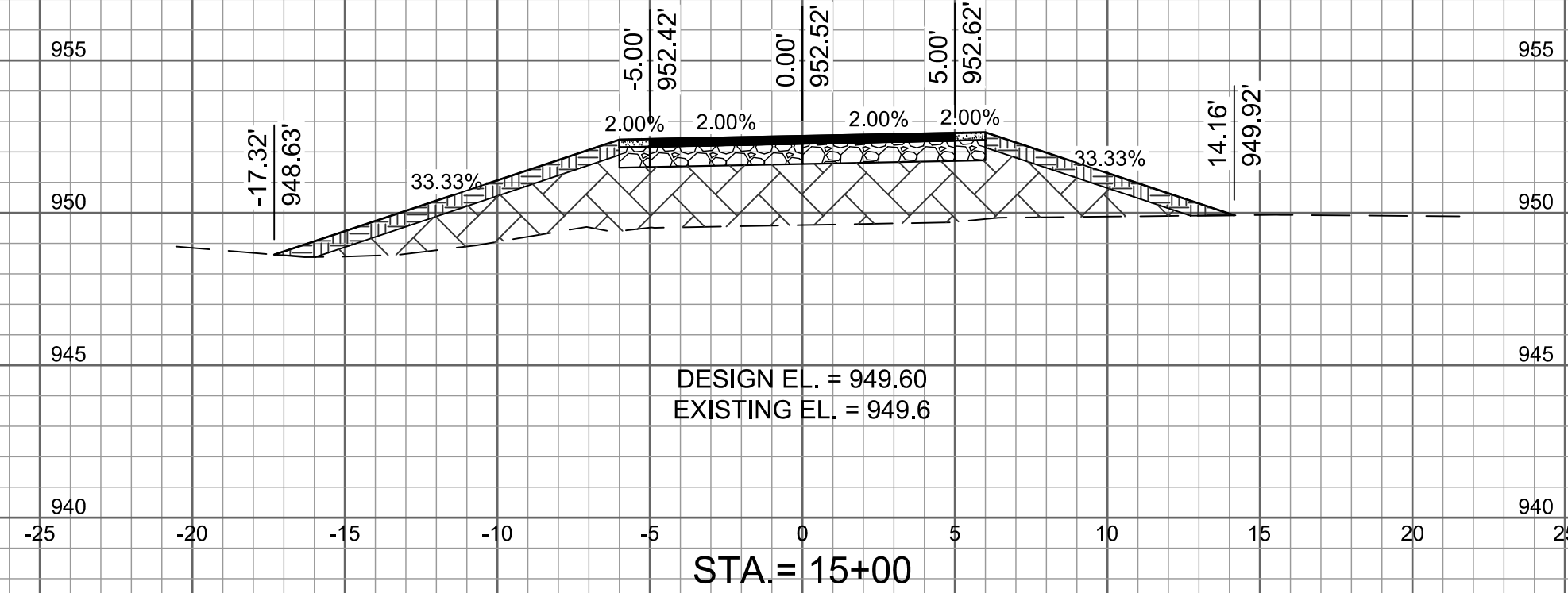
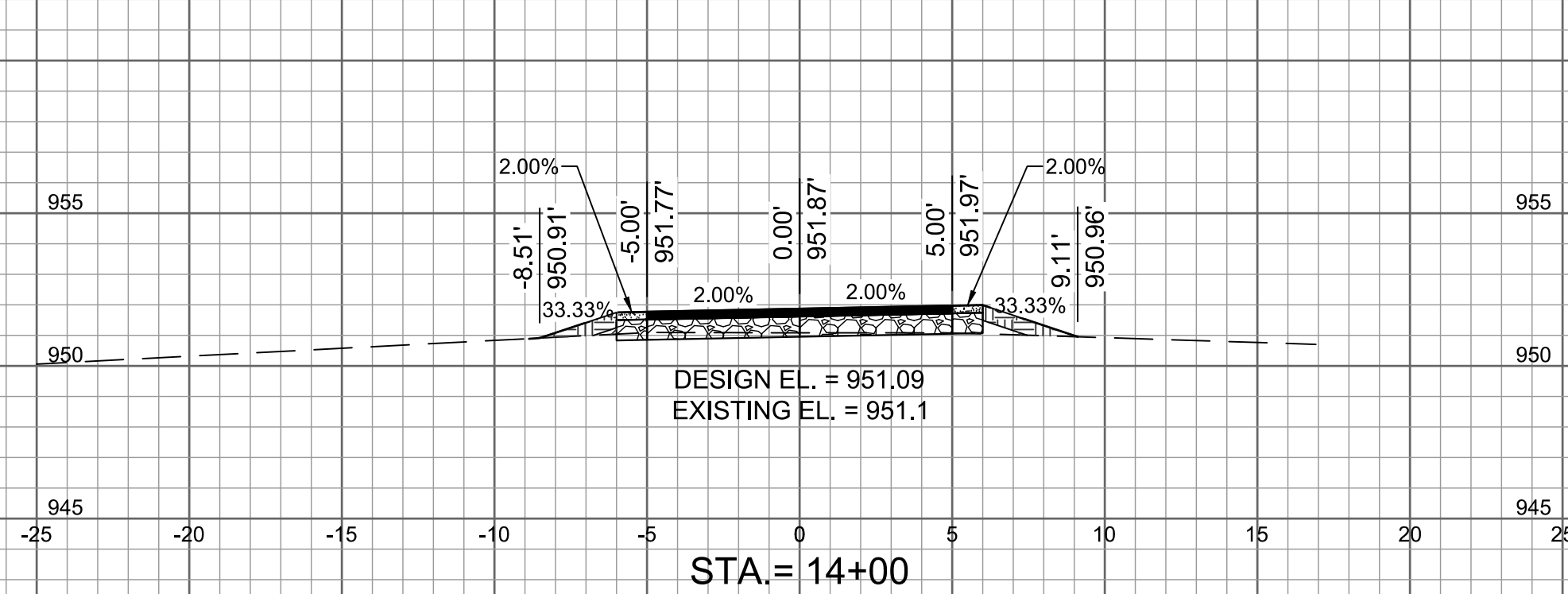
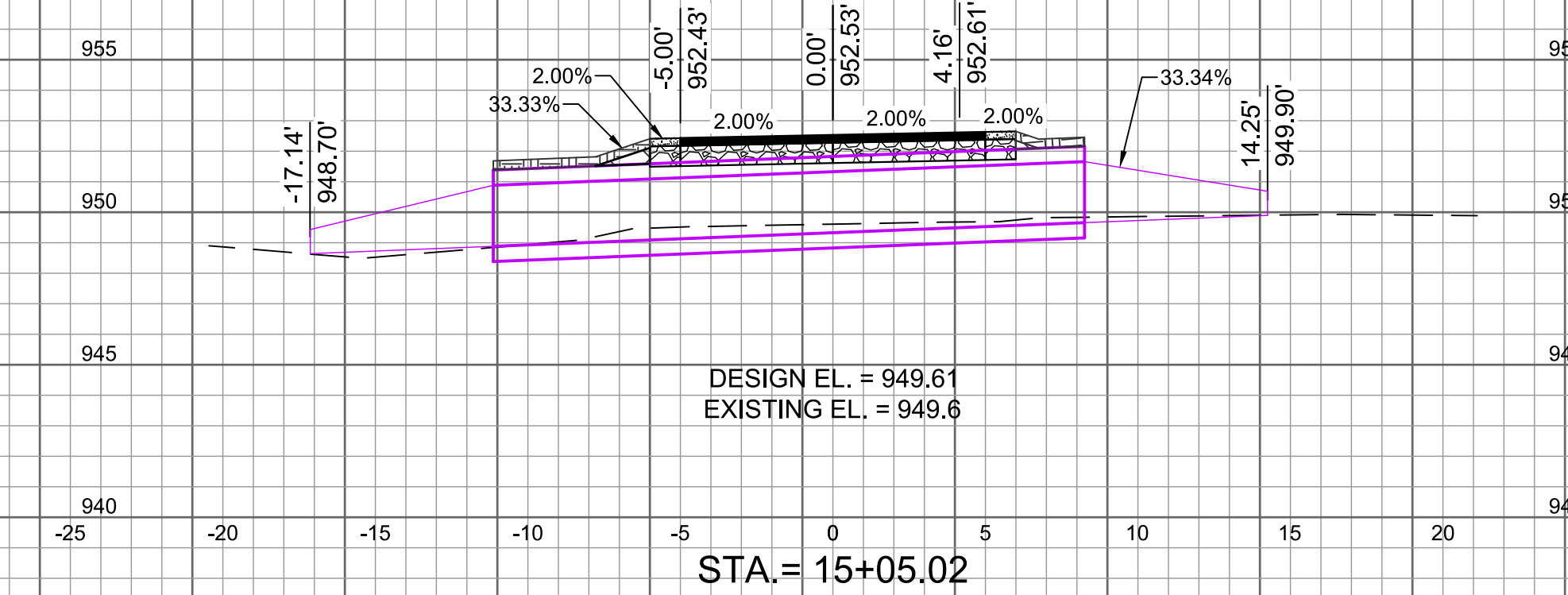
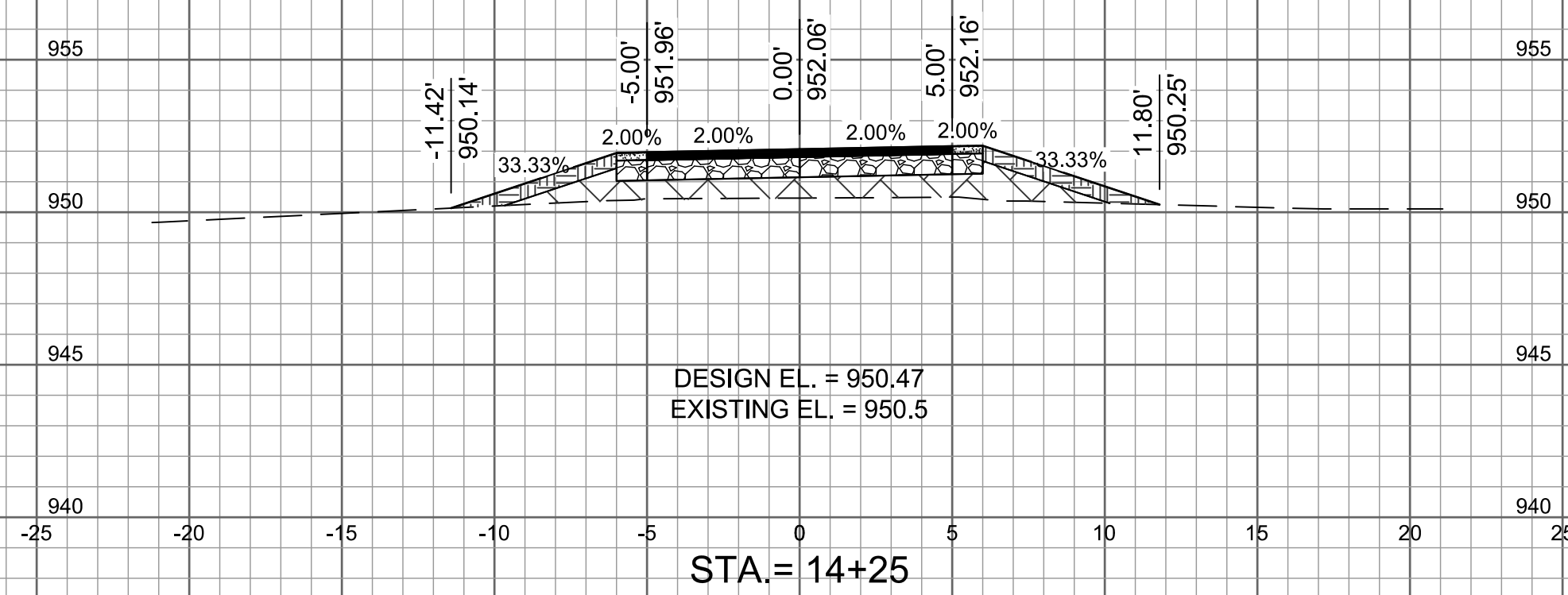
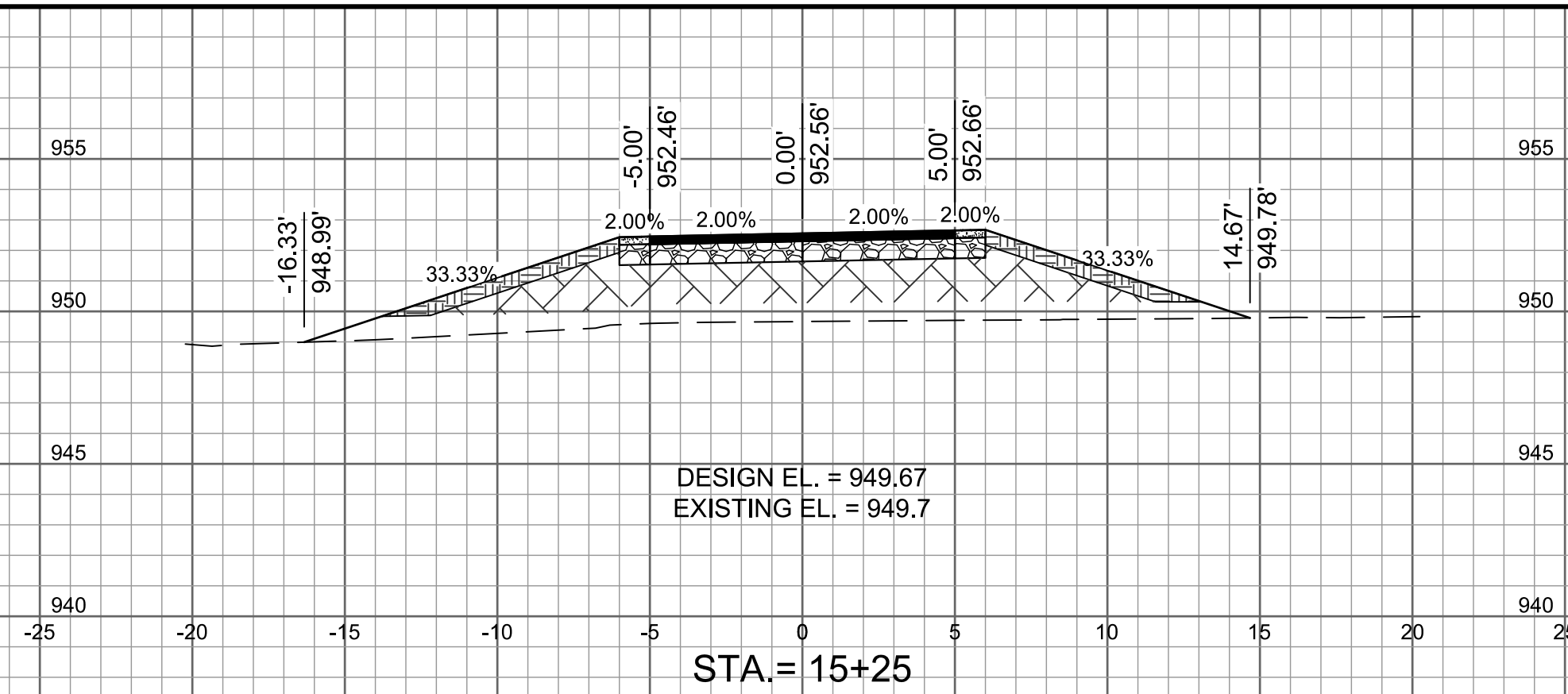
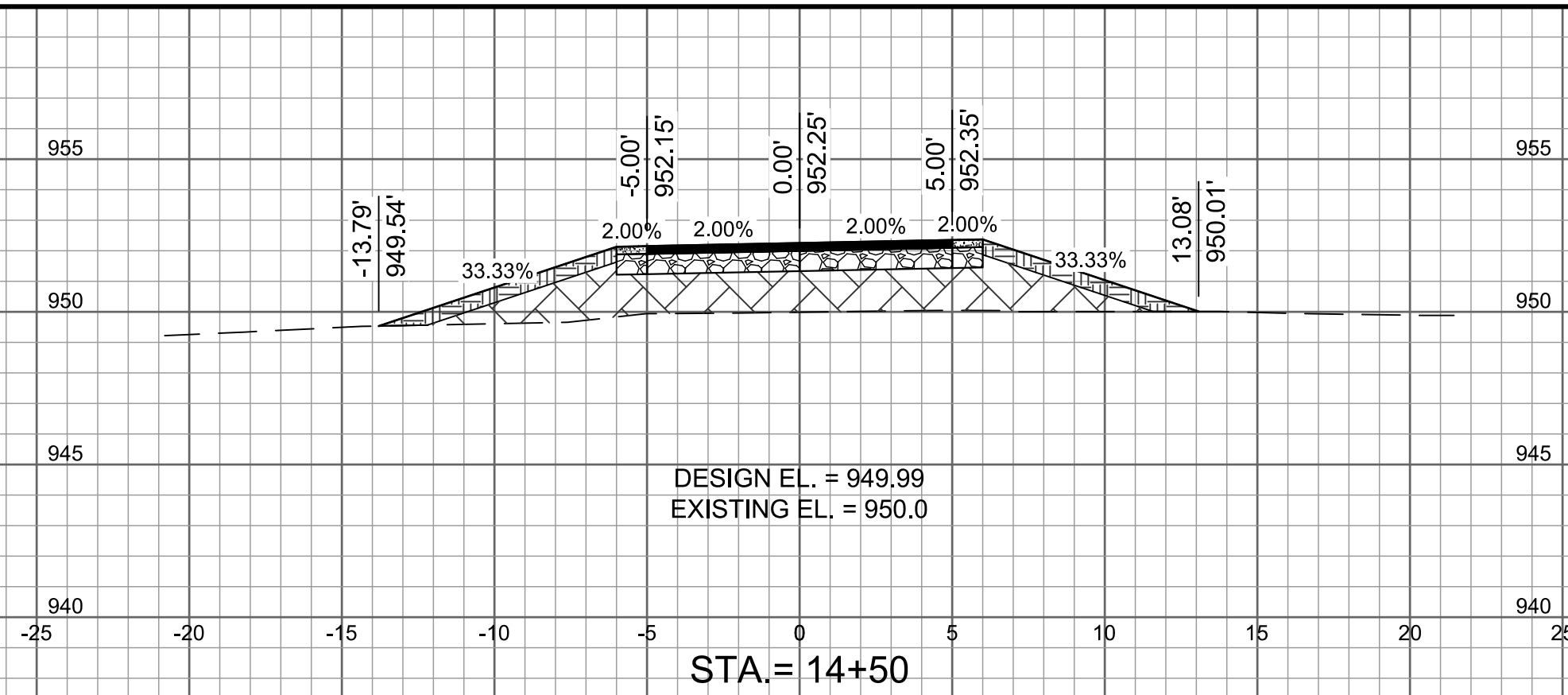
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PLAN & PROFILE SHEET

FILE NO. 13177009
SHEET PP 1



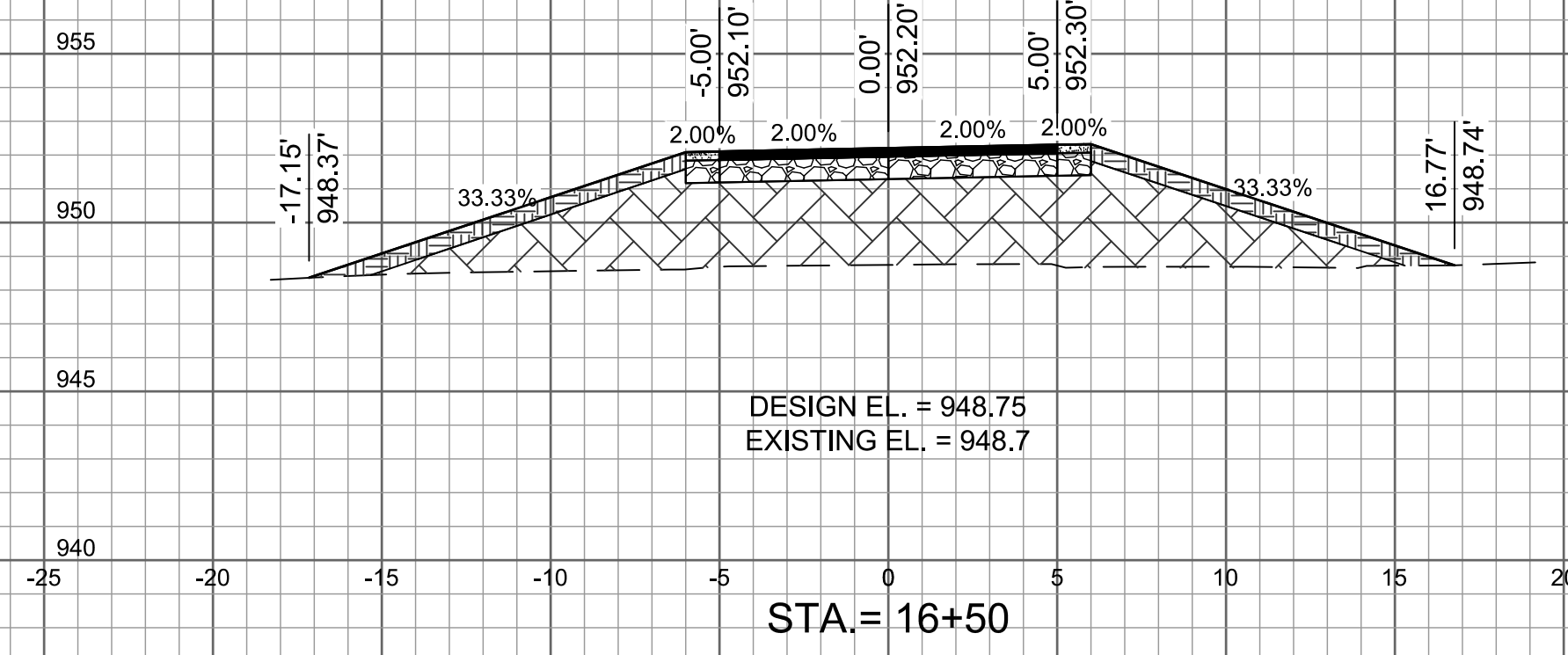
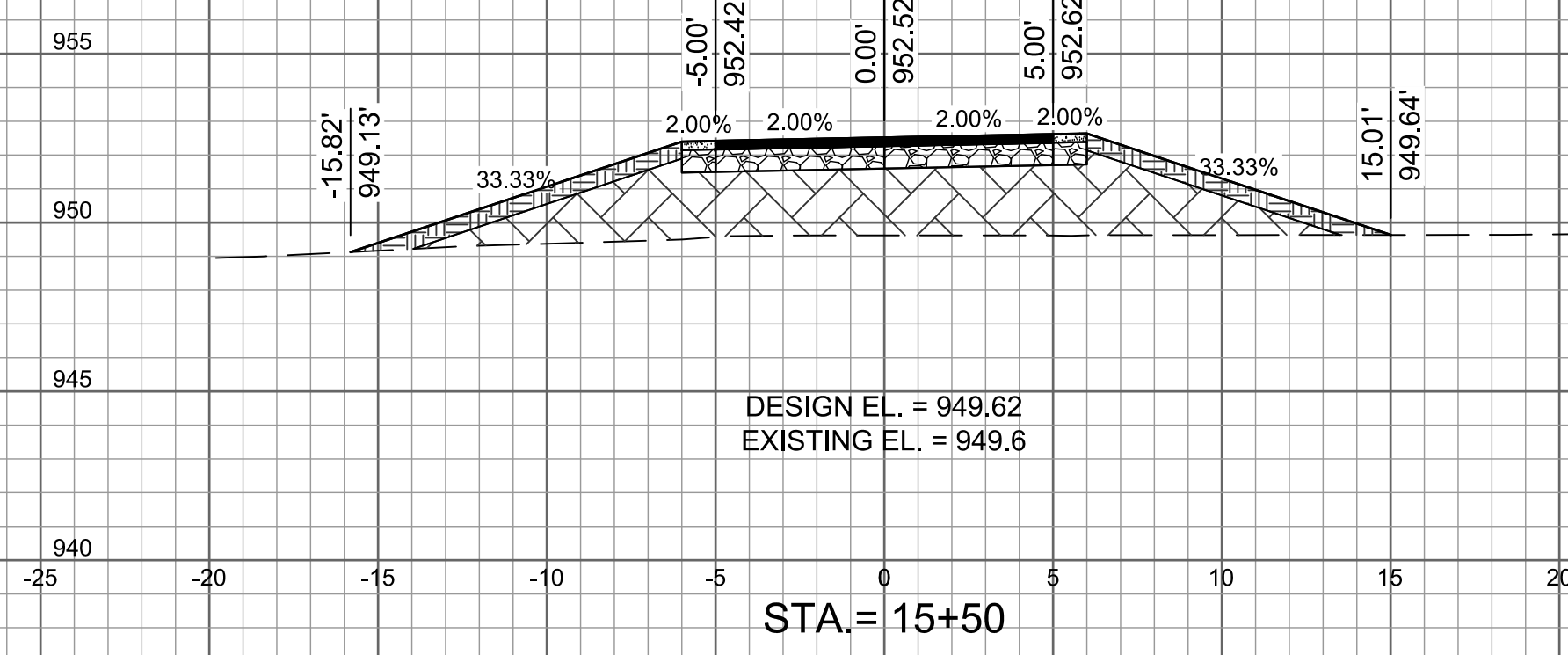
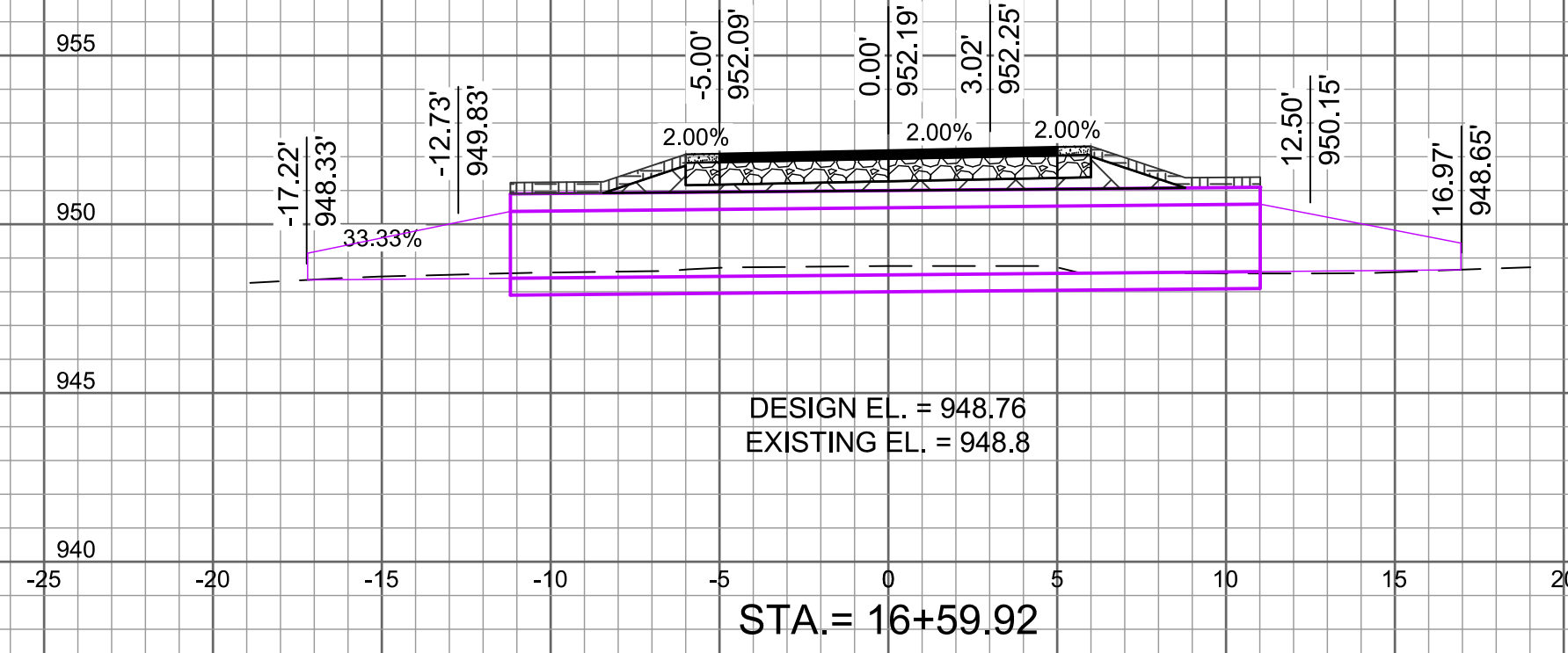
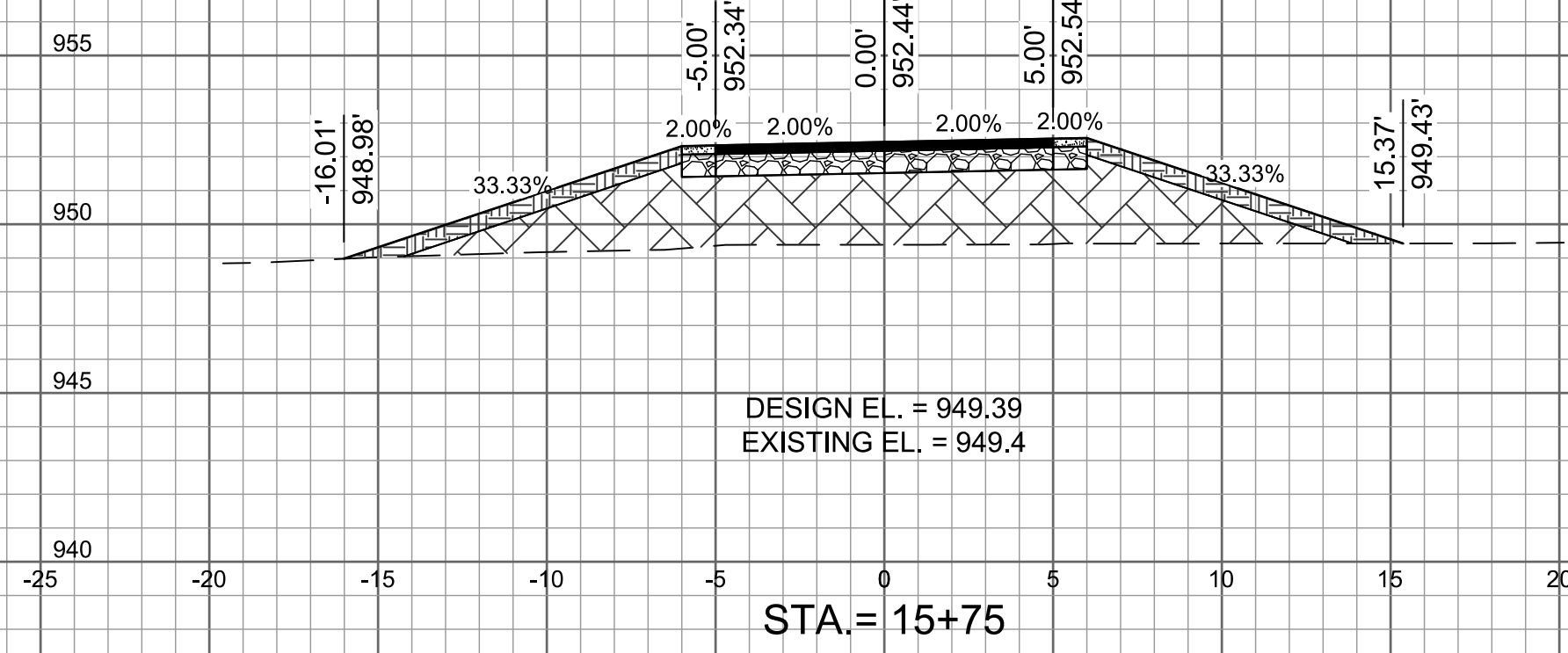
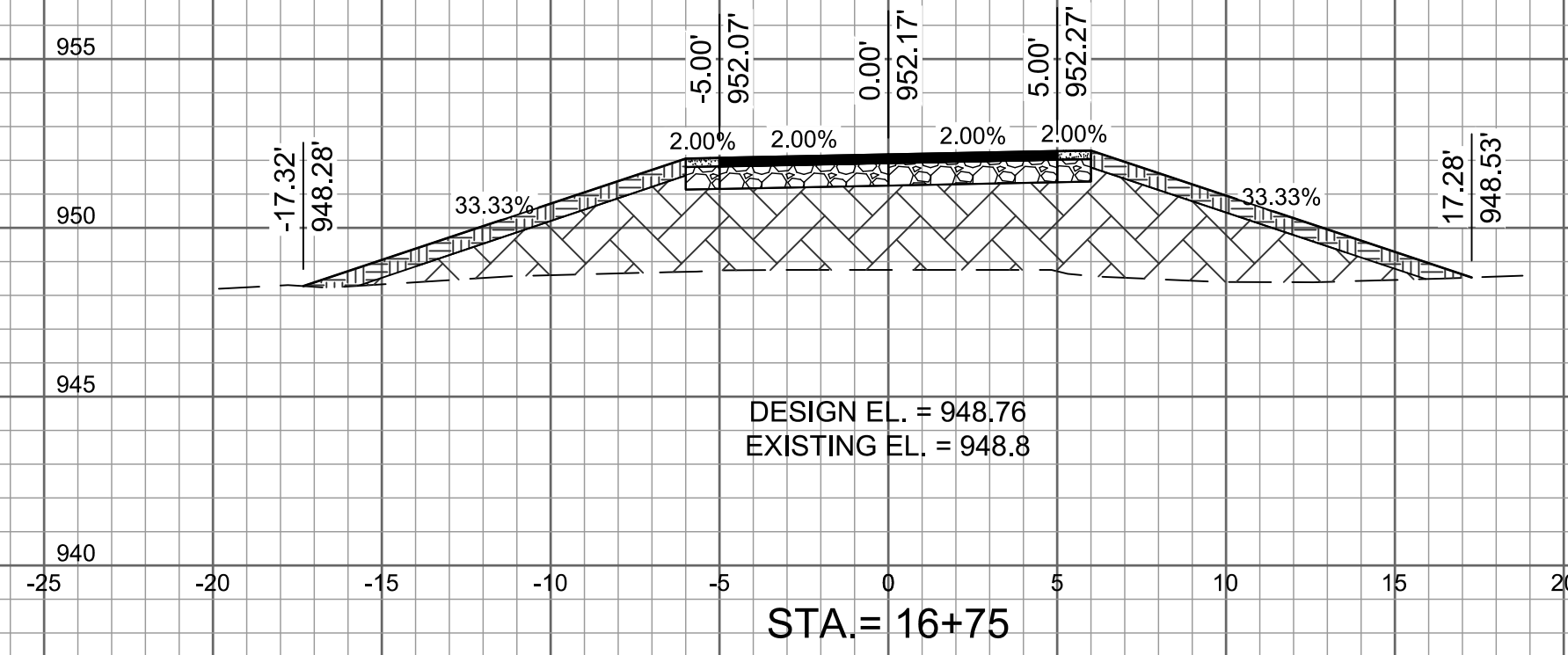
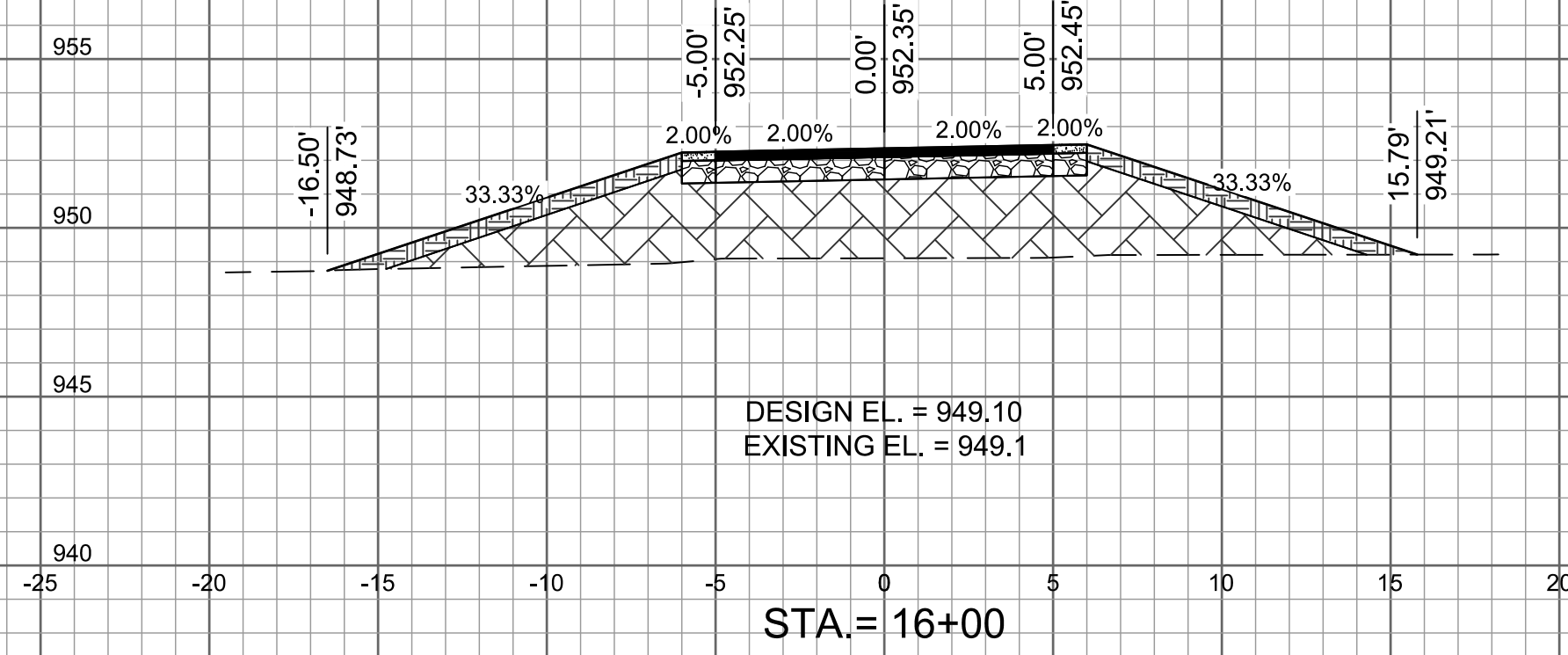
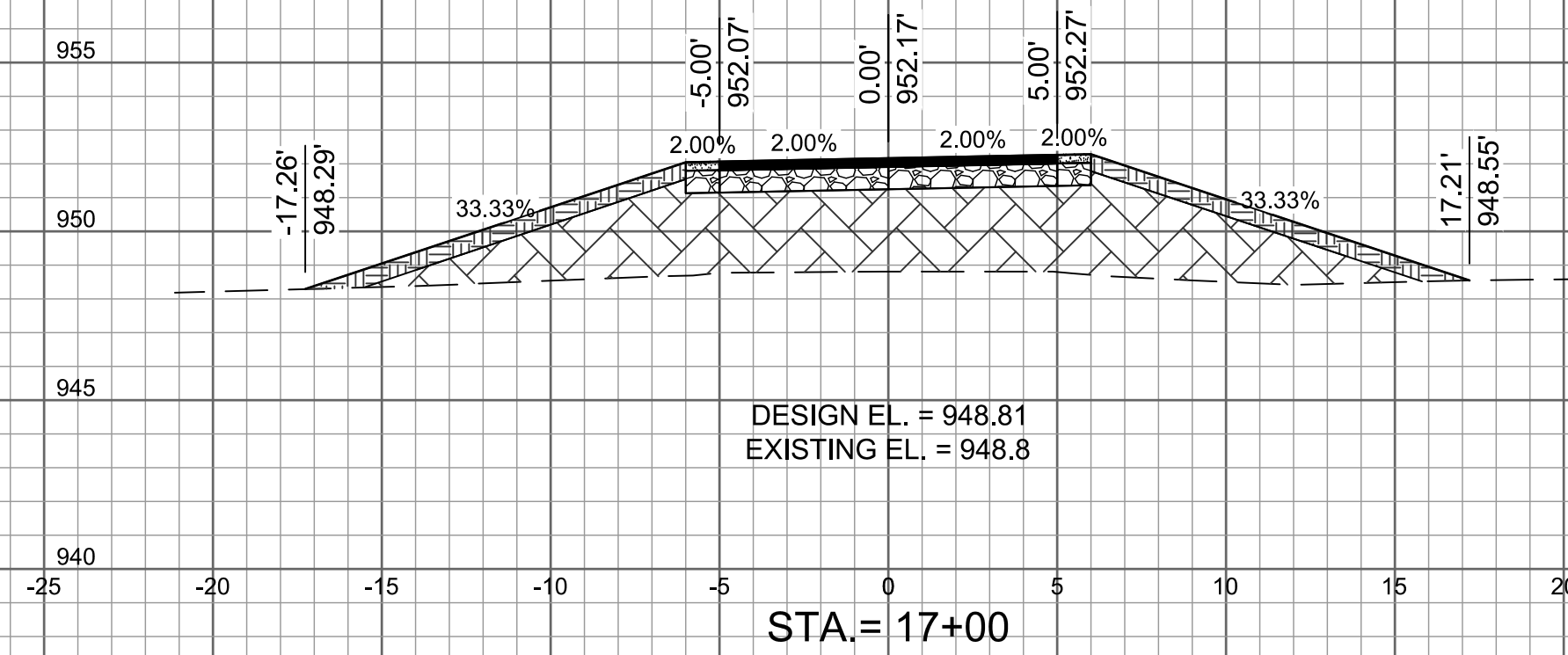
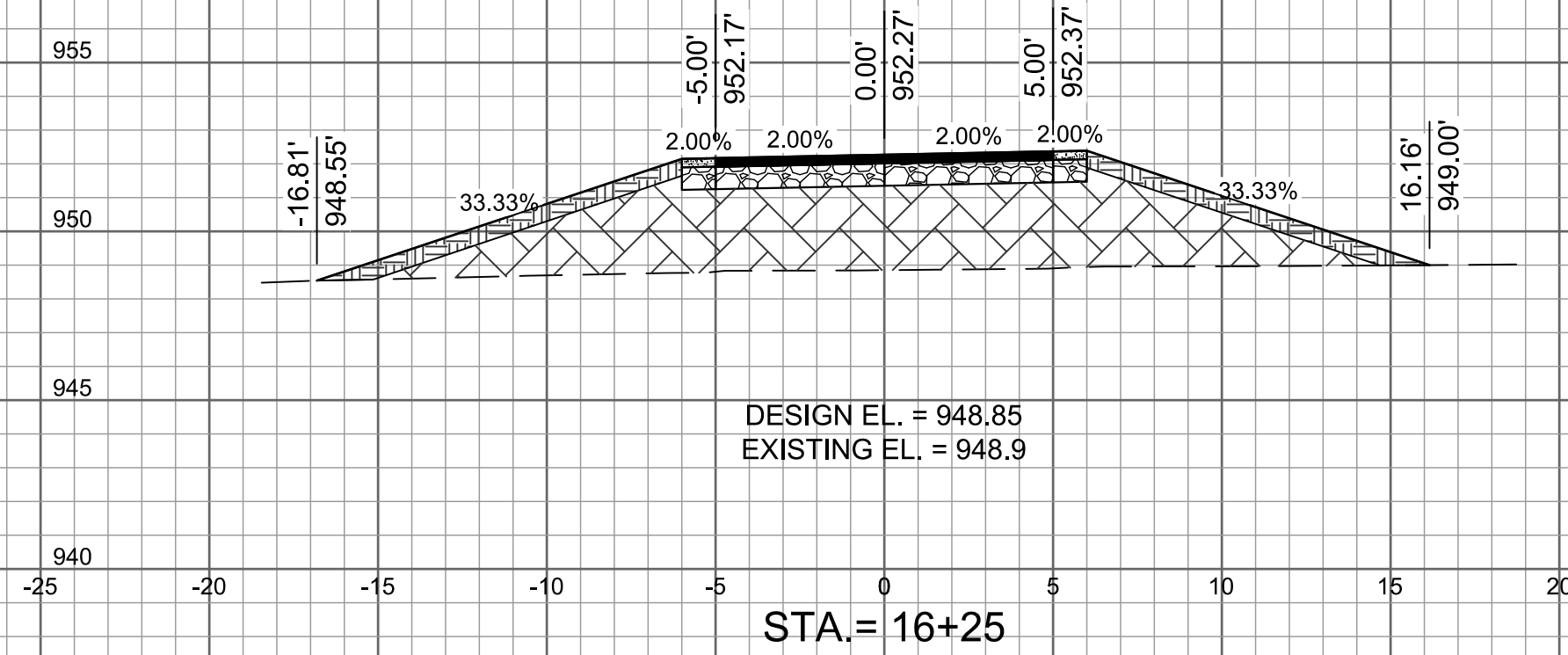
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CROSS SECTIONS

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SHEET	CS 1



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Dane County Parks

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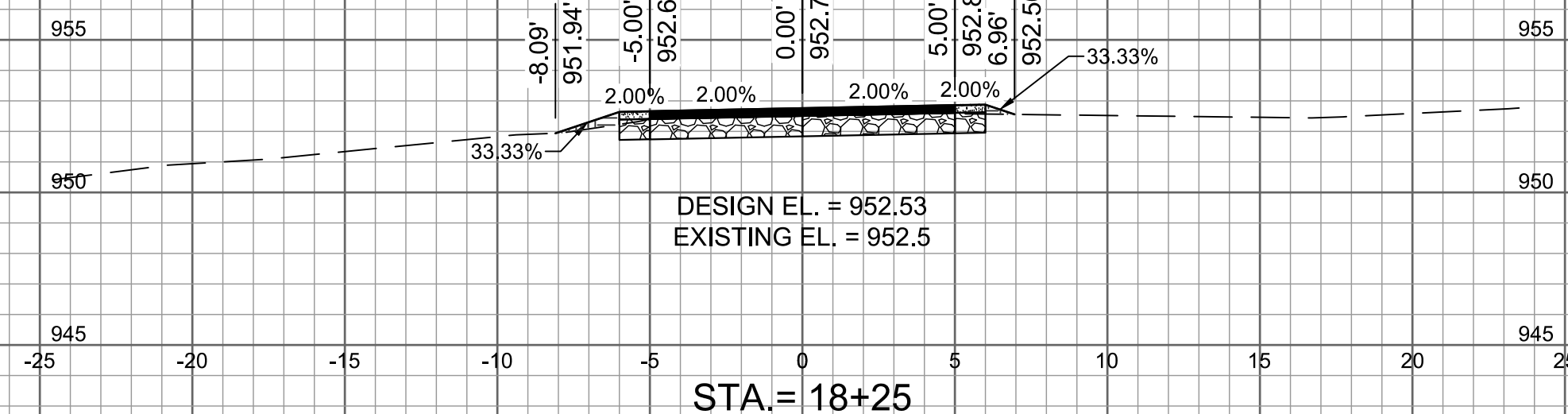
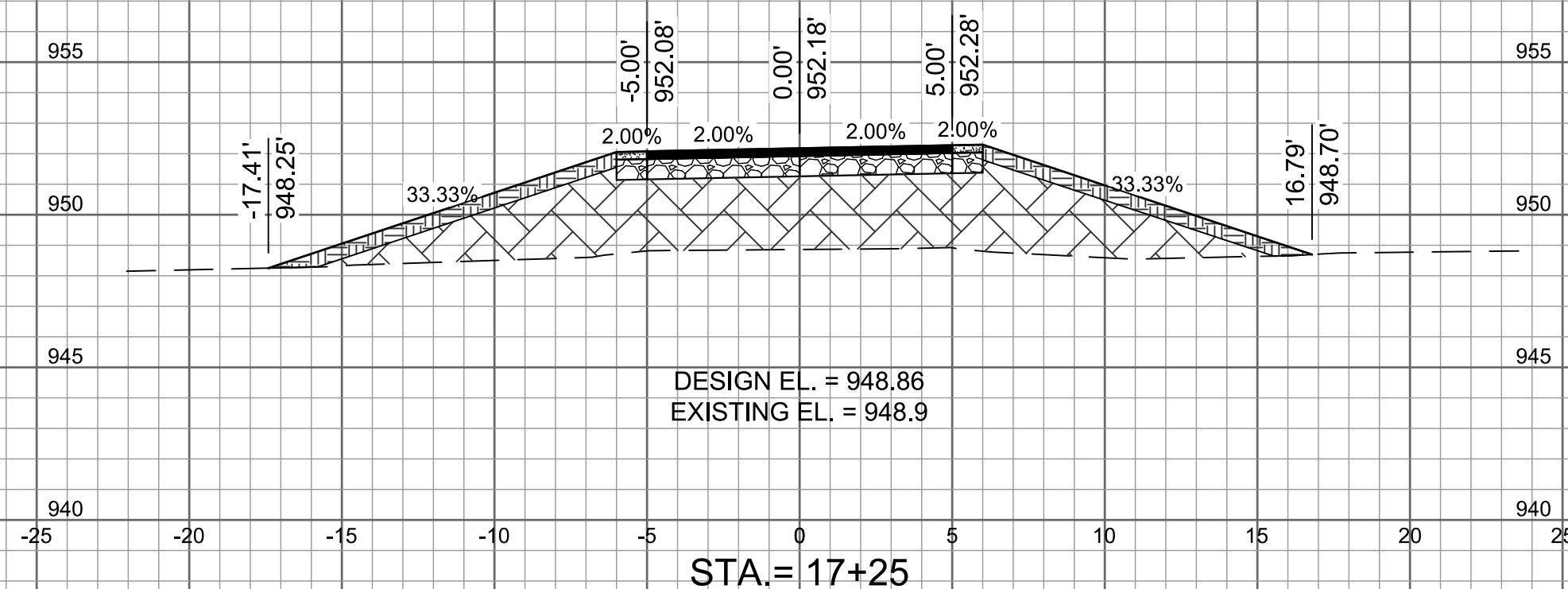
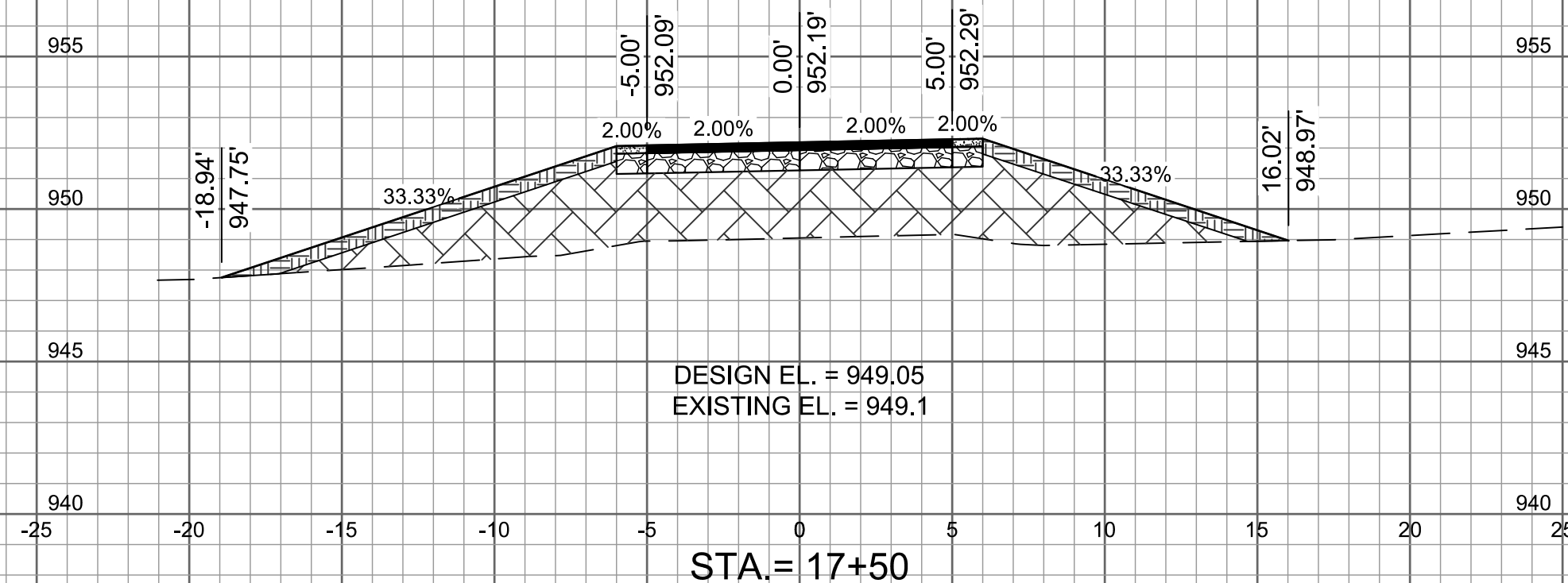
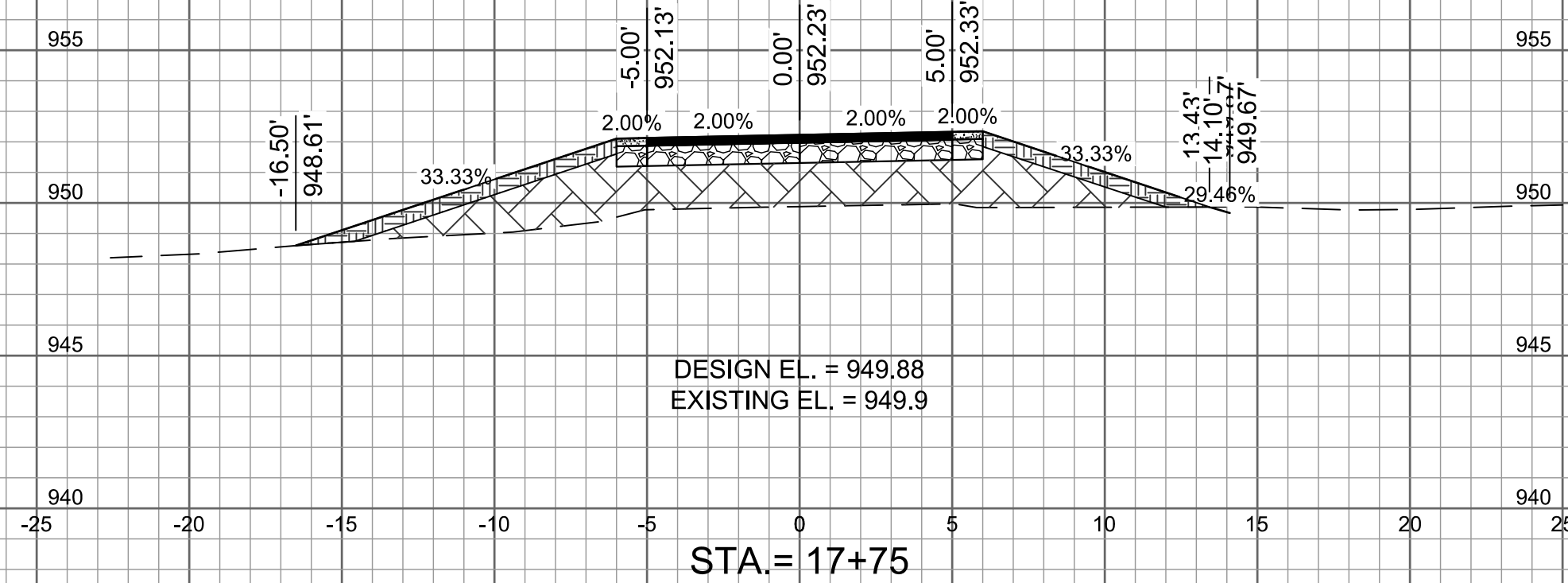
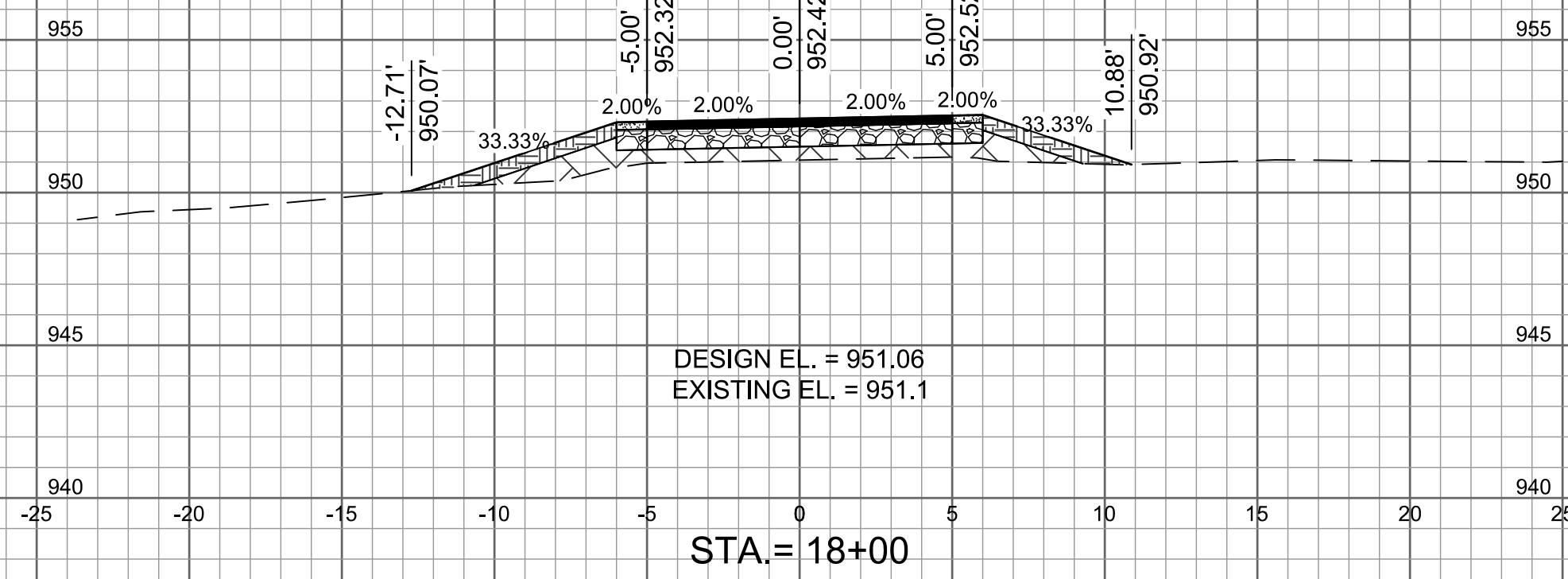
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CROSS SECTIONS

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CROSS SECTIONS

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CS 3