

c:\DE\Clients\0001\077653_MED-303-13.90-14.96\94440\Design\Roadway\Sheets\94440_G0002_Clouded.dgn Sheet 2/19/2020 10:55:28 AM goodnight

SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	27	34	35							01/STR/BR	02/STR/CV						
TRAFFIC CONTROL																	
		3	4							4	3	621	00100	7	EACH	RPM	
		3	4							4	3	621	54000	7	EACH	RAISED PAVEMENT MARKER REMOVED	
11										8	3	626	00112	11	EACH	BARRIER REFLECTOR, TYPE 3, BI-DIRECTIONAL	
			10							10		630	03100	10	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			1							1		630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
3			1							1		630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		0.08	0.1							0.1	0.08	642	00094	0.18	MILE	EDGE LINE, 6"	
		0.04	0.05							0.05	0.04	642	00290	0.09	MILE	CENTER LINE	
			0.06							0.06		646	10010	0.06	MILE	EDGE LINE, 6"	
			0.03							0.03		646	10200	0.03	MILE	CENTER LINE	
RETAINING WALLS (13.90)																	
	LS									LS	202	11000	LS			STRUCTURE REMOVED	
5	1,395									1,395	203	20001	1,395	CY		EMBANKMENT, AS PER PLAN	26
	537									537	203	35001	537	CY		GRANULAR EMBANKMENT, AS PER PLAN	26
	LS									LS	503	11100	LS			COFFERDAMS AND EXCAVATION BRACING	
	LS									LS	503	21301	LS			UNCLASSIFIED EXCAVATION, AS PER PLAN	26
	744									744	507	00400	744	FT		STEEL PILES, MISC.: SOLDIER PILES	26
	8,096									8,096	509	10000	8,096	LB		EPOXY COATED REINFORCING STEEL	
	47									47	511	46010	47	CY		CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
	101									101	512	10100	101	SY		SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	24									24	512	33001	24	SY		TYPE 2 WATERPROOFING, AS PER PLAN	26
	10									10	516	13600	10	SF		1" PREFORMED EXPANSION JOINT FILLER	
	5									5	518	21200	5	CY		POROUS BACKFILL WITH GEOTEXTILE FABRIC	
	133									133	518	39800	133	FT		4" PERFORATED CORRUGATED PLASTIC PIPE	
	7									7	518	39900	7	FT		4" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
	552									552	524	94801	552	FT		DRILLED SHAFTS, 42" DIAMETER, AS PER LAN	26
	1,179									1,179	610	50010	1,179	SF		RETAINING WALL, MISC.: TIMBER LAGGING	26
	723									723	610	50010	723	SF		RETAINING WALL, MISC.: GEOCOMPOSITE DRAIN	26
	1									1	611	99710	1	EACH		PRECAST REINFORCED CONCRETE OUTLET	

GENERAL SUMMARY

MED - 303 - (13.90) (14.96)

3 ADDENDUM 3: 3-WAY STOP REMOVED

5 ADDENDUM 5: EMBANKMENT CLARIFICATIONS

PROPOSED WORK

THE PROPOSED WORK CONSISTS OF BUILDING A SOLDIER PILE WITH LAGGING RETAINING WALL (UNANCHORED) ALONG SR 303 (CENTER ROAD).

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO "THE LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 8TH EDITION, INCLUDING 2018 ERRATA DATED 1/19/18, AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

DESIGN DATA

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4000 PSI
REINFORCING STEEL - ASTM A615 OR A996 GRADE 60,
MINIMUM YIELD STRENGTH 60,000 PSI
STRUCTURAL STEEL FOR SOLDIER PILES - ASTM A709 GRADE 50 YIELD STRENGTH 50,000 PSI

ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN

ALL EXCAVATION REQUIRED TO CONSTRUCT THE PROPOSED RETAINING WALL, STORM SEWER SYSTEM, AND ACCESS DRIVE WITHIN THE LIMITS OF THE ANTICIPATED LAY BACK AREA SHALL BE INCLUDED WITH ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN, FOR PAYMENT.

LAYBACK OF THE ROADWAY EMBANKMENT FOR CONSTRUCTION PURPOSES FROM THE BEGINNING OF THE PROJECT TO STATION 52+60 AND FROM STATION 53+03 TO END OF THE PROJECT SHALL BE AT A 1.5 HORIZONTAL TO 1.0 VERTICAL AND AT A 2.0 HORIZONTAL TO A 1.0 VERTICAL BETWEEN STATIONS 52+60 AND 53+03 AS PER THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

MAINTENANCE OF TRAFFIC

FOR MAINTENANCE OF TRAFFIC DETAILS, SEE THE ROADWAY PLANS.

ITEM 507 - STEEL PILES, MISC.: SOLDIER PILES

THIS WORK CONSISTS OF FURNISHING AND PLACING STEEL SOLDIER PILES INTO DRILLED HOLES AS WELL AS MONITORING PLUMBNESS. FURNISH SOLDIER PILES CONSISTING OF STRUCTURAL STEEL MEMBERS THAT MEET THE PLAN REQUIREMENTS AND CONFORM TO ASTM A709, GRADE 50. DO NOT FIELD WELD OR SPLICE STEEL SOLDIER PILES.

MEASUREMENT FOR PAYMENT WILL BE THE DISTANCE BETWEEN THE ENDS OF THE SOLDIER PILE. PAYMENT IS FULL COMPENSATION FOR FURNISHING AND PLACING THE SOLDIER PILES INCLUDING WELDED STUD SHEAR CONNECTORS, AND MONITORING THEIR PLUMBNESS UNTIL THE PLACEMENT OF THE CONCRETE FACING HAS BEGUN.

WELD HEADED STEEL STUDS TO THE FLANGES OF THE SOLDIER PILE IN ORDER TO CONNECT THE CONCRETE WALL FACING TO THE SOLDIER PILE. ATTACH HEADED STUDS ACCORDING TO C&MS 513.22 AND AS SHOWN IN THE PLANS. THE CONTRACTOR MAY ATTACH THE STUDS EITHER BEFORE PLACING THE SOLDIER PILE IN THE DRILLED HOLE OR AFTER EXCAVATING IN FRONT OF THE WALL. PROTECT THE HEADED STUDS FROM DAMAGE UNTIL THE CONCRETE WALL FACING IS POURED. REPAIR OR REPLACE DAMAGED HEADED STUDS AT NO EXPENSE TO THE DEPARTMENT.

THE DEPARTMENT WILL PAY FOR SOLDIER PILES AT THE CONTACT UNIT PRICE BID PER FOOT FOR ITEM 507 - STEEL PILES, MISC.: SOLDIER PILES.

ITEM 512 - TYPE 2 WATERPROOFING, AS PER PLAN

TYPE 2 WATERPROOFING SHALL BE ATTACHED TO THE WOOD LAGGING, 3 FEET WIDE FULL HEIGHT CENTERED AT ALL CONCRETE PANEL JOINTS.

ITEM 524 - DRILLED SHAFTS, 42" DIAMETER, AS PER PLAN

THIS WORK CONSISTS OF FURNISHING AND INSTALLING DRILLED SHAFTS FOR SOLDIER PILE AND LAGGING WALLS. THE DRILLED SHAFTS ARE REINFORCED WITH SOLDIER PILES INSTEAD OF REINFORCING STEEL CAGES. THE SOLDIER PILES EXTEND ABOVE THE TOP OF THE DRILLED SHAFT. FURNISH AND INSTALL THE DRILLED SHAFTS IN ACCORDANCE WITH CMS 524 EXCEPT AS MODIFIED AND SUPPLEMENTED BELOW.

EXCAVATE THE HOLE FOR THE DRILLED SHAFT WITHIN 3 INCHES OF THE PLAN LOCATION. THE DESIGN IS BASED ON A BEDROCK ELEVATION AS NOTED ON SHEET 5/8. ALL DRILLED SHAFTS WITH THE STEEL SECTIONS SHALL HAVE A MINIMUM ROCK SOCKET DEPTH OF 5'-6". STEEL SECTIONS SHALL BE TRIMMED TO THE REQUIRED LENGTH IF THE ROCK IS ENCOUNTERED AT A HIGHER ELEVATION THAN THE ESTIMATED TOP OF ROCK ELEVATION OF 1117.00 FT. IF ROCK IS ENCOUNTERED AT AN ELEVATION LOWER THAN THE ESTIMATED TOP OF ROCK ELEVATION OF 1117.00 FT, NOTIFY THE DISTRICT GEOTECHNICAL ENGINEER IMMEDIATELY.

ALIGN THE SOLDIER PILE VERTICALLY WITHIN THE HOLE. PLACE THE SOLDIER PILE SO THAT THE FLANGES ARE PARALLEL TO THE CENTERLINE OF THE ROW OF DRILLED SHAFTS AND THE TOP IS AT THE PLAN ELEVATION. SUPPORT THE SOLDIER PILE SO THAT IT DOES NOT MOVE DURING CONCRETE PLACEMENT. DO NOT ALLOW THE VERTICAL ALIGNMENT OF THE SOLDIER PILE TO VARY BY MORE THAN 1/4" PER FOOT OF DEPTH. DO NOT ALLOW THE ORIENTATION OF THE FLANGES TO VARY BY MORE THAN 10 DEGREES.

USE CLASS QC1 CONCRETE ACCORDING TO CMS 511. PLACE CONCRETE TO THE ELEVATION OF THE BOTTOM OF THE LAGGING. THE CONTRACTOR MAY PLACE CONCRETE USING THE FREE FALL METHOD PROVIDED THE DEPTH OF WATER IS LESS THAN 6 INCHES AND THE CONCRETE FALLS WITHOUT STRIKING THE SIDES OF THE HOLE. POURING CONCRETE ALONG THE WEG OF THE SOLDIER PILE IS ACCEPTABLE.

CHECK THE POSITION, THE VERTICAL ALIGNMENT, AND ORIENTATION OF THE SOLDIER PILE IMMEDIATELY AFTER CONCRETE PLACEMENT. MAKE CORRECTIONS AS NECESSARY TO MEET THE ABOVE TOLERANCES.

FILL THE HOLE ABOVE THE BOTTOM OF THE LAGGING TO THE EXISTING GROUND SURFACE WITH LOW STRENGTH MORTAR BACKFILL (LSM) PER ITEM 613. REMOVE CONCRETE AND LSM AS EVEN WITH THE FRONT FACE OF THE SOLDIER PILE IN ORDER TO PLACE THE LAGGING.

MEASUREMENT FOR PAYMENT FOR DRILLED SHAFTS, AS PER PLAN WILL BE LIMITED TO THE ACTUAL DRILLED DISTANCE BETWEEN THE GROUND SURFACE AND THE MINIMUM TIP ELEVATION, AS DETERMINED BY THE ENGINEER. PAYMENT IS FULL COMPENSATION FOR DRILLING THE HOLES, CONSTRUCTING THE DRILLED SHAFTS, SUPPORTING THE SOLDIER PILES, FURNISHING AND PLACING CONCRETE AND LSM, AND REMOVAL OF CONCRETE OR LSM FROM AROUND THE SOLDIER PILE AS NECESSARY TO PLACE LAGGING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE BID PER FOOT FOR ITEM 524 - DRILLED SHAFTS, 42" DIAMETER, AS PER PLAN.

ITEM 203 - EMBANKMENT, AS PER PLAN

ESTIMATED EMBANKMENT QUANTITIES PROVIDED ARE ASSOCIATED WITH THE LAYBACK SOLUTION SHOWN IN THE PLANS. THE EXACT QUANTITY WILL BE DEPENDENT ON THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION. NO ADDITIONAL PAYMENT SHALL BE MADE FOR QUANTITIES THAT EXCEED THE PLAN VALUES DUE TO CONTRACTOR'S MEANS AND METHODS THAT RESULT IN ADDITIONAL EXCAVATION AND EMBANKMENT. THE CONTRACTOR SHALL SUBMIT TEMPORARY LAYBACK AND BENCHING PLANS FOR APPROVAL PRIOR TO CONSTRUCTION.

ITEM SPECIAL - RETAINING WALL, MISC.: TIMBER LAGGING

THIS ITEM CONSISTS OF FURNISHING AND INSTALLING UNTREATED HARDWOOD LAGGING TO SERVE AS TEMPORARY LAGGING FOR THE SOLDIER PILE WALL. THE LAGGING SHALL CONSIST OF SOUTHERN PINE NO. 2 OR BETTER, WITH NOMINAL 4"x8" DIMENSIONS. LAGGING SHALL BE PLACED AS EXCAVATION OR EMBANKMENT PLACEMENT PROGRESSES. AT NO TIME SHOULD MORE THAN 3 FEET OF UNSUPPORTED EXCAVATION BE PERMITTED. REDUCE THE UNSUPPORTED HEIGHT AS NECESSARY TO PREVENT CAVING AND SLOUGHING OF THE SOILS BETWEEN THE SOLDIER PILES. PROVIDE 1/4" TO 3/4" HORIZONTAL JOINT SPACING BETWEEN THE LAGGING BOARDS TO PERMIT DRAINAGE.

THE DEPARTMENT WILL MEASURE THE TEMPORARY SOUTHERN PINE NO. 2 LAGGING BY THE NUMBER OF SQUARE FEET AND WILL DETERMINE THE AREA FROM PLAN DIMENSIONS USING A LENGTH MEASURED ALONG A HORIZONTAL LINE ALONG THE CENTERLINE OF THE SOLDIER PILES AND A HEIGHT FROM THE BOTTOM OF THE LAGGING TO THE TOP. PAYMENT IS FULL COMPENSATION FOR FURNISHING AND PLACING ALL MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE BID PER SQUARE FOOT FOR ITEM SPECIAL - RETAINING WALL, MISC.: TIMBER LAGGING.

ITEM SPECIAL - RETAINING WALL, MISC.: GEOCOMPOSITE DRAIN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING PREFABRICATED GEOCOMPOSITE DRAIN (PGD) VERTICALLY AND CENTERED IN EACH SOLDIER PILE BAY. THE PGD SHALL BE THE WIDTH AS SHOWN ON THESE PLANS WITHIN EACH SOLDIER PILE BAY. THE CONTRACTOR SHALL USE ONE OF THE FOLLOWING OR AN EQUAL PGD APPROVED BY THE ENGINEER.

AMERIDRAIN 200
AMERICAN WICK DRAIN CORPORATION, INC.
1209 AIRPORT ROAD
MONROE, NC 28110-7389
PHONE: 1-800-242-9425 OR 704-238-9200

TENCATE G100N
TENCATE GEOSYNTHETICS NORTH AMERICA
365 SOUTH HOLLAND DRIVE
PENDERGRASS, GA 30567
PHONE: 1-800-685-9900 OR 706-693-2226

J-DRAIN 200
JDR ENTERPRISES, INC.
292 SOUTH MAIN STREET, SUITE 200
ALPHARETTA, GA 30009
PHONE: 1-800-843-7569 OR 770-442-1467

ITEM 203 - GRANULAR EMBANKMENT, AS PER PLAN

THE BACKFILL SHALL CONSIST OF ITEM 203 EMBANKMENT EXCEPT WHERE IT IS NOTED THAT ITEM 203 GRANULAR EMBANKMENT, AS PER PLAN, SHALL BE USED. THE ITEM 203 GRANULAR EMBANKMENT, AS PER PLAN, SHALL BE A SELECT GRANULAR BACKFILL (SGB) AND SHALL CONFORM TO ODOT CMS ITEM 703.11 STRUCTURAL BACKFILL TYPE 2. THE SELECT GRANULAR BACKFILL SHALL BE PLACED BEHIND THE WALL EXTENDING A PERPENDICULAR DISTANCE FROM THE BACKFACE OF THE WALL TO A POINT WHERE A 1H:1V LINE INTERSECTS WITH THE PROPOSED BACK OF WALL GRADE STARTING FROM THE BACKFACE OF THE WALL AT THE "WORK PAD" ELEVATION, AS PER THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

OTHER MATERIAL MEETING THE REQUIREMENTS OF ODOT'S ITEM 203 EMBANKMENT CAN BE USED BEYOND THE INDICATED SGB LIMITS. SGB MUST BE SPREAD IN UNIFORM, THIN (8 INCHES OR LESS) LOOSE LIFTS, WITH EACH LIFT COMPACTED TO ACHIEVE A DRY UNIT WEIGHT OF AT LEAST 98 PERCENT OF THE MAXIMUM DRY UNIT WEIGHT, AS DETERMINED IN THE LABORATORY BY THE "STANDARD METHOD OF TEST FOR MOISTURE DENSITY RELATIONS OF SOILS USING A 5.5-LB RAMMER AND A 12-IN. DROP" (AASHTO T 99 METHOD C). SGB SHOULD BE MOISTURE CONDITIONED (AS NEEDED) TO MAINTAIN THE MOISTURE CONTENT OF THE FILL MATERIAL WITHIN 2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT. WITHIN 3 FEET OF THE FACING PANELS (TIMBER LAGGING) COMPACT THE SGB WITH AT LEAST SIX PASSES OF A LIGHT MECHANICAL TAMPER WEIGHTING BETWEEN 1/2 TO 2 TONS.

ESTIMATED EMBANKMENT QUANTITIES PROVIDED ARE ASSOCIATED WITH THE LAYBACK SOLUTION SHOWN IN THE PLANS. THE EXACT QUANTITY WILL BE DEPENDENT ON THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION. NO ADDITIONAL PAYMENT SHALL BE MADE FOR QUANTITIES THAT EXCEED THE PLAN VALUES DUE TO CONTRACTOR'S MEANS AND METHODS THAT RESULT IN ADDITIONAL EXCAVATION AND EMBANKMENT. THE CONTRACTOR SHALL SUBMIT TEMPORARY LAYBACK AND BENCHING PLANS FOR APPROVAL PRIOR TO CONSTRUCTION.

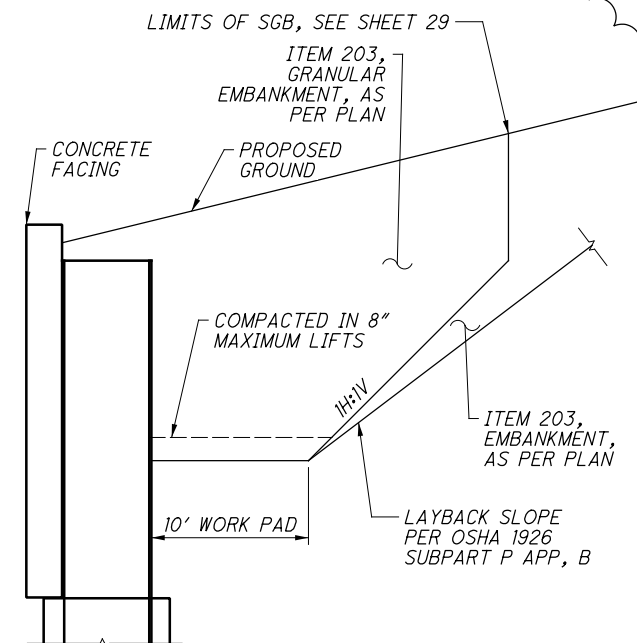
ITEM SPECIAL - RETAINING WALL, MISC.: GEOCOMPOSITE DRAIN (CONTINUED)

INSTALL THE DRAIN PER THE MANUFACTURER'S RECOMMENDATIONS. PLACE THE GEOTEXTILE SIDE OF THE DRAIN AGAINST THE RETAINED SLOPE FACE. EXTEND THE DRAIN TO THE FULL HEIGHT OF THE WALL AS SHOWN IN THE PLANS. CARRY THE DRAIN TO THE BOTTOM OF THE WALL AND OUTLET TO THE UNDERDRAIN AS SHOWN ON WALL DETAIL SHEETS. THE DEPARTMENT WILL MEASURE THE DRAIN BY THE NUMBER OF SQUARE YARDS OF SURFACE AREA OF DRAIN PLACED. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITY AT THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR ITEM SPECIAL - RETAINING WALL, MISC.: GEOCOMPOSITE DRAIN.

ABBREVIATIONS:

- C/C - CENTER TO CENTER
- CIP - CAST-IN-PLACE
- CJ - CONSTRUCTION JOINT
- CLR - CLR
- CONST - CONSTRUCTION
- DIA - DIAMETER
- EF - EACH FACE
- ELEV - ELEVATION
- EOP - EDGE OF PAVEMENT
- EX - EXISTING
- FF - FAR FACE
- I.R. 75 - INTERSTATE ROUTE 75
- INC - INCREMENT
- LT - LEFT
- LSM - LOW STRENGTH MORTAR
- MAX - MAXIMUM
- MIN - MINIMUM
- NB - NORTH BOUND
- NF - NEAR FACE
- PEJF - PREFORMED EXPANSION JOINT FILLER
- PERF CPP - PERFORATED CORRUGATED PLASTIC PIPE
- PROP - PROPOSED
- RT - RIGHT
- SER - SERIES
- SPA - SPACING
- ST - STRAIGHT
- STA - STATION
- TYP - TYPICAL

EMBANKMENT SCHEMATIC IN TYPICAL SGB SECTION:



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ADDENDUM 5: EMBANKMENT CLARIFICATIONS

GENERAL NOTES

SOLDIER PILE AND LAGGING WALL
ALONG SR-303 WEST OF STATE ROAD

MED-303-13.90/14.96

PID No. 94440

1 / 8

26
60

DESIGN AGENCY
PLAN, Inc.
2475 Sugar Grove Rd., SE Lancaster, Ohio 43130
(740) 687-5542 Phone - (740) 687-0096 Fax

DATE 9/19/19
REVIEWED MUR
DRAWN AFL
DESIGNED JBM
CHECKED JAH
STRUCTURE FILE NUMBER

5

ESTIMATED QUANTITIES					
ITEM	EXT.	QUANTITY O2/STR/CV	UNIT	DESCRIPTION	REF. SHEET
202	11000	LS		STRUCTURE REMOVED	
203	20001	1,395	CY	EMBANKMENT, AS PER PLAN	1/8
203	35001	537	CY	GRANULAR EMBANKMENT, AS PER PLAN	1/8
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
503	21301	LS		UNCLASSIFIED EXCAVATION, AS PER PLAN	1/8
507	00400	744	FT	STEEL PILES, MISC.: SOLDIER PILES	1/8
509	10000	8,096	LB	EPOXY COATED REINFORCING STEEL	
511	46010	47	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
512	10100	101	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
512	33001	24	SY	TYPE 2 WATERPROOFING, AS PER PLAN	1/8
516	13600	10	SF	1" PREFORMED EXPANSION JOINT FILLER	
518	21200	5	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
518	39800	133	FT	4" PERFORATED CORRUGATED PLASTIC PIPE	
518	39900	7	FT	4" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
524	94801	552	FT	DRILLED SHAFTS, 42" DIAMETER, AS PER PLAN	1/8
611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
SPECIAL	610E50010	723	SF	RETAINING WALL, MISC.: GEOCOMPOSITE DRAIN	1/8
SPECIAL	610E50010	1,179	SF	RETAINING WALL, MISC.: TIMBER LAGGING	1/8

5

ADDENDUM 5: EMBANKMENT CLARIFICATIONS

ESTIMATED QUANTITIES

SOLDIER PILE AND LAGGING WALL
ALONG SR-303 WEST OF STATE ROAD

MED-303-13.90/14.96

PID No. 94440

2/8

27/60

DESIGNED
JAH
CHECKED
LAW

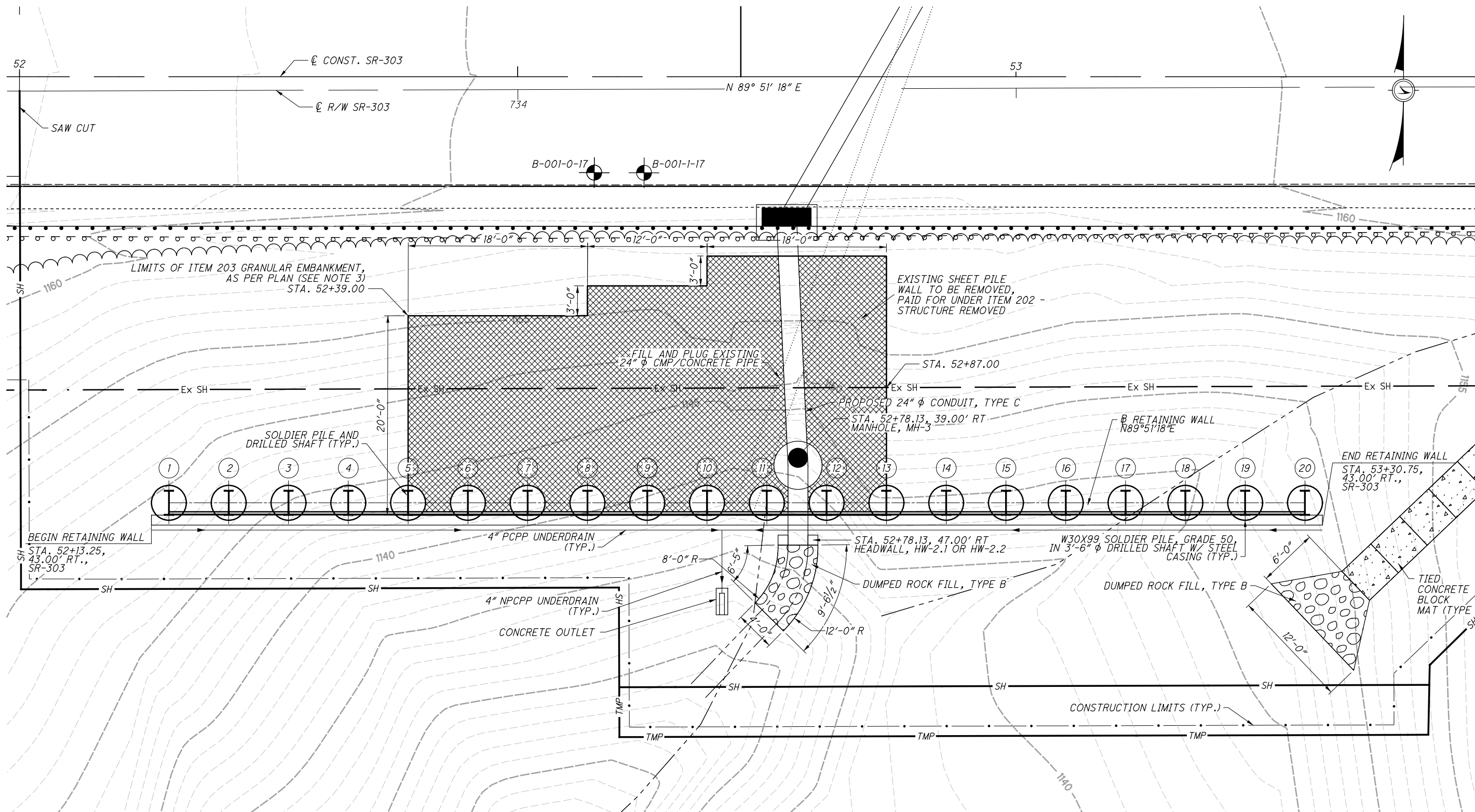
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JAH
REVISED

REVIEWED
MUR
STRUCTURE FILE NUMBER

DATE
9/19/19

DESIGN AGENCY
2 L M N, Inc.
2475 Sugar Grove Rd., SE Lancaster, Ohio 43130
(740) 687-5542 Phone - (740) 687-0066 Fax

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PLAN

- LEGEND:**
- (X) - PILE NUMBER
 - [Hatched Box] - SELECT GRANULAR BACKFILL

- NOTES:**
1. FOR WALL ELEVATION, SEE SHEET 5/8.
 2. FOR WALL DETAILS, SEE SHEET 7/8.
 3. BACKFILL OF THE RETAINING WALL SHALL BE PLACED PRIOR TO CONSTRUCTING THE CAST-IN-PLACE FACING. THE BACKFILL SHALL CONSIST OF ITEM 203 EMBANKMENT, AS PER PLAN EXCEPT WHERE IT IS NOTED THAT ITEM 203 GRANULAR EMBANKMENT, AS PER PLAN, SHALL BE USED. THE ITEM 203 GRANULAR EMBANKMENT, AS PER PLAN, SHALL BE A SELECT GRANULAR BACKFILL AND SHALL CONFORM TO ODOT CMS ITEM 703.11 STRUCTURAL BACKFILL TYPE 2. THE SELECT GRANULAR BACKFILL SHALL EXTEND FROM THE BASE OF THE WALL TO THE INTERSECTING PROPOSED GRADE LINE AND TO THE BOTTOM OF THE EXCAVATION. SEE NOTE ON SHEET 26.

5 ADDENDUM 5: EMBANKMENT CLARIFICATIONS

DESIGNED	JBM	CHECKED	JAH
DRAWN	JBM	REVIEWED	JBM
MUR	9/19/19	DATE	9/19/19
STRUCTURE FILE NUMBER			

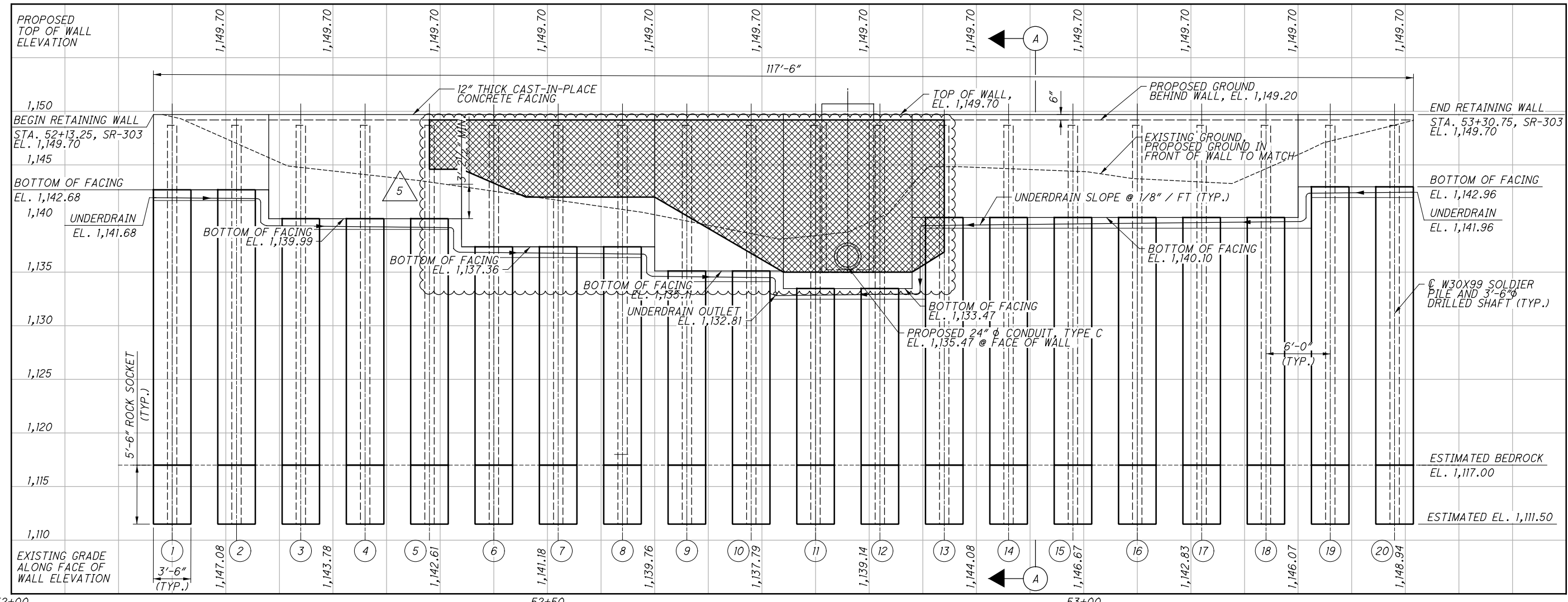
WALL PLAN
 SOLDIER PILE AND LAGGING WALL
 ALONG SR-303 WEST OF STATE ROAD

MED-303-13.90/14.96
 PID No. 944440

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ELEVATION ALONG FACE OF WALL

LEGEND:

- (X) PILE NUMBER
- 5 - ITEM 203: GRANULAR EMBANKMENT, AS PER PLAN (SELECT GRANULAR BACKFILL)

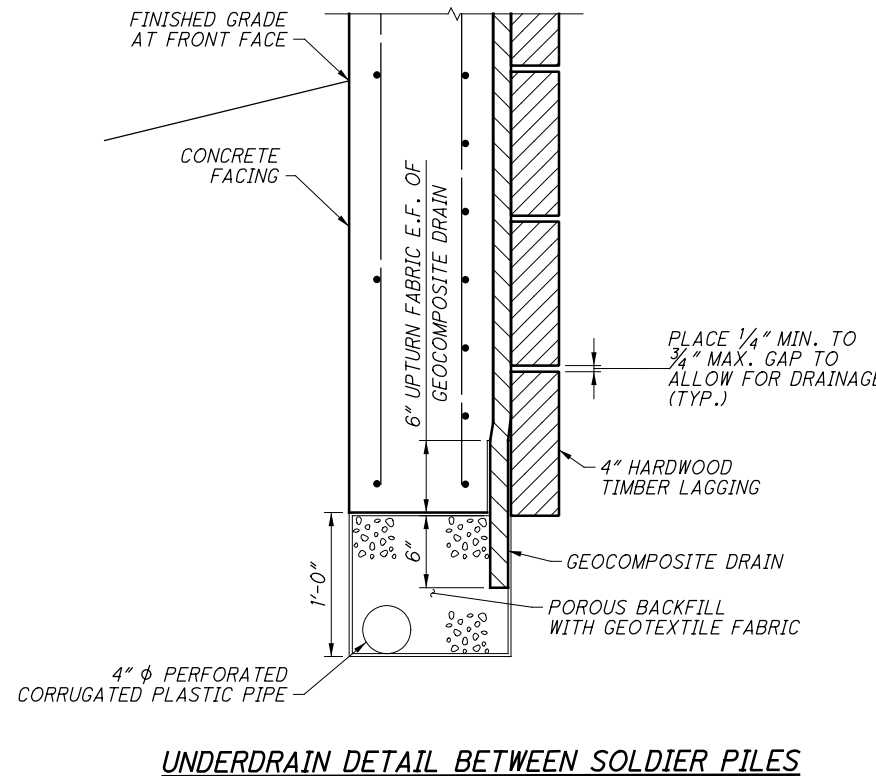
NOTES:

1. FOR WALL PLAN, SEE SHEET 4/8.
2. FOR SECTION A-A, SEE SHEET 7/8.

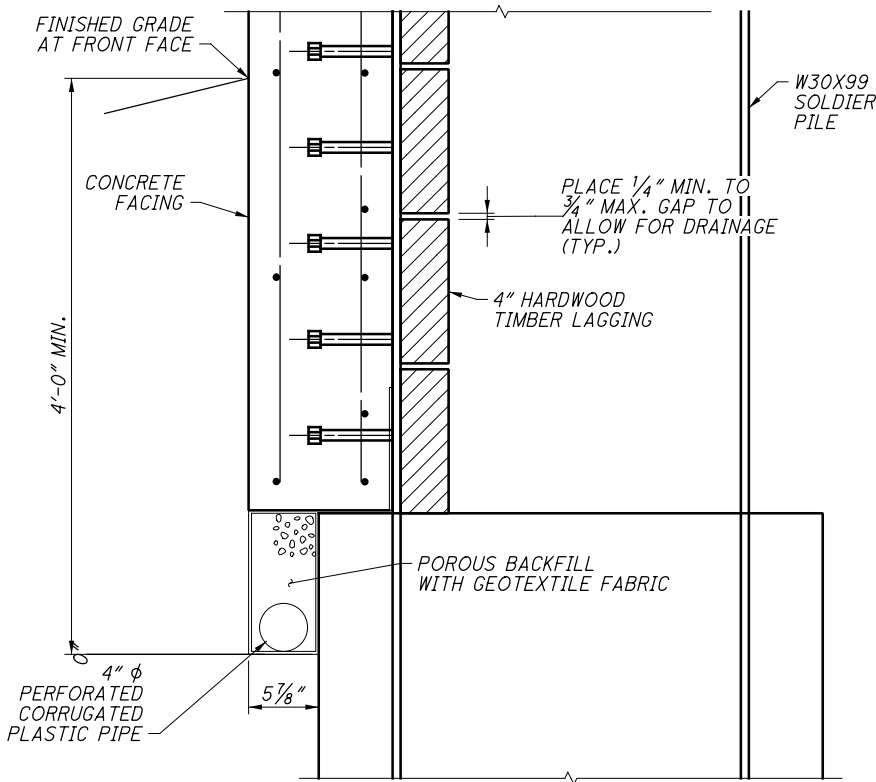
5 ADDENDUM 5: EMBANKMENT CLARIFICATIONS

	DESIGN AGENCY DLMN, Inc. 2475 Sugar Grove Rd., SE Lancaster, Ohio 43130 (740) 687-5542 Phone - (740) 687-0086 Fax	DATE 9/19/19	REVIEWED MUR	STRUCTURE FILE NUMBER
DRAWN JBM	REVISIONS	WALL ELEVATION SOLDIER PILE AND LAGGING WALL ALONG SR-303 WEST OF STATE ROAD		
DESIGNED JBM	CHECKED JAH	MED-303-13.90 / 14.96 PID No. 94440		
52+00		52+50		53+00

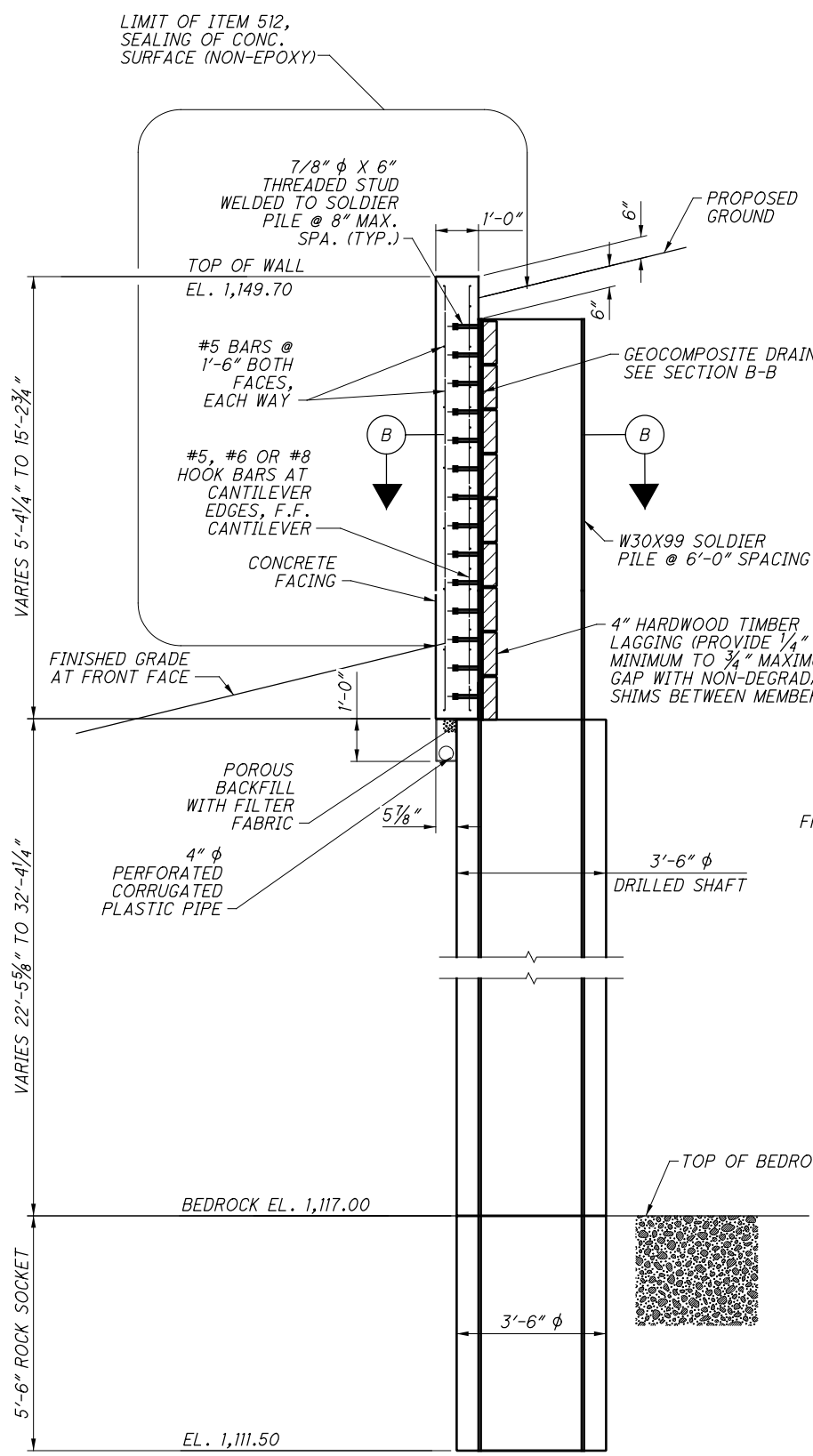
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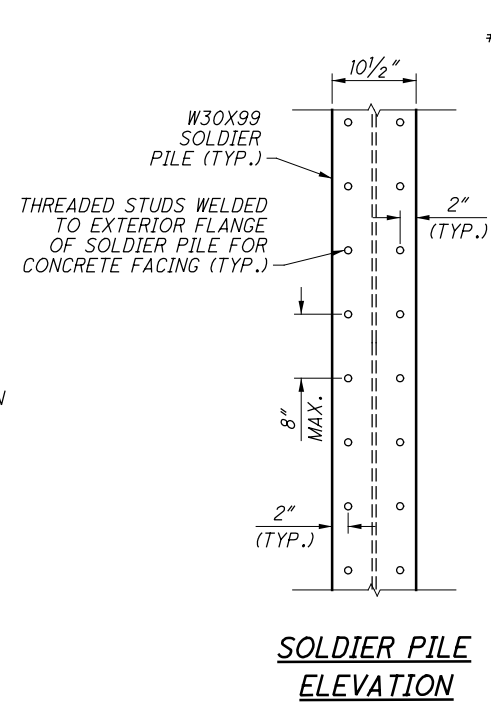
UNDERDRAIN DETAIL BETWEEN SOLDIER PILES



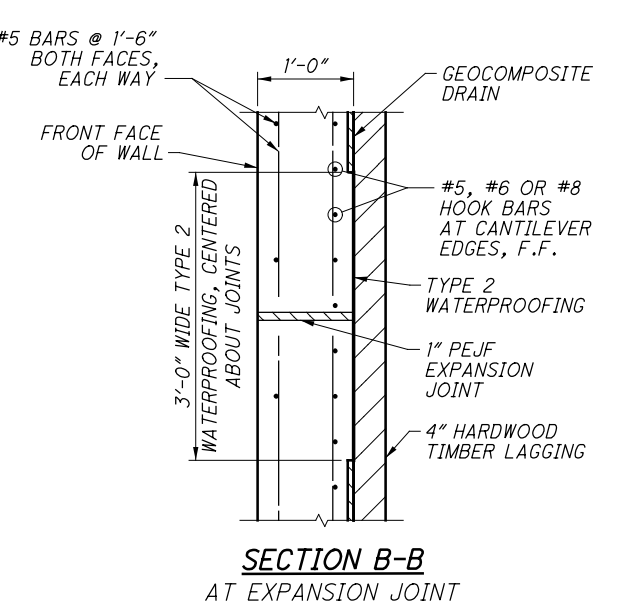
UNDERDRAIN DETAIL AT SOLDIER PILES



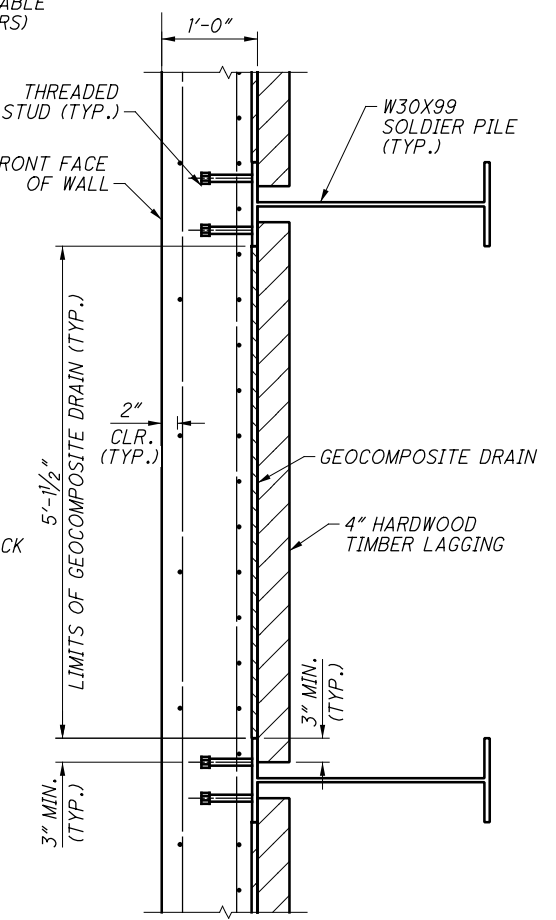
SECTION A-A



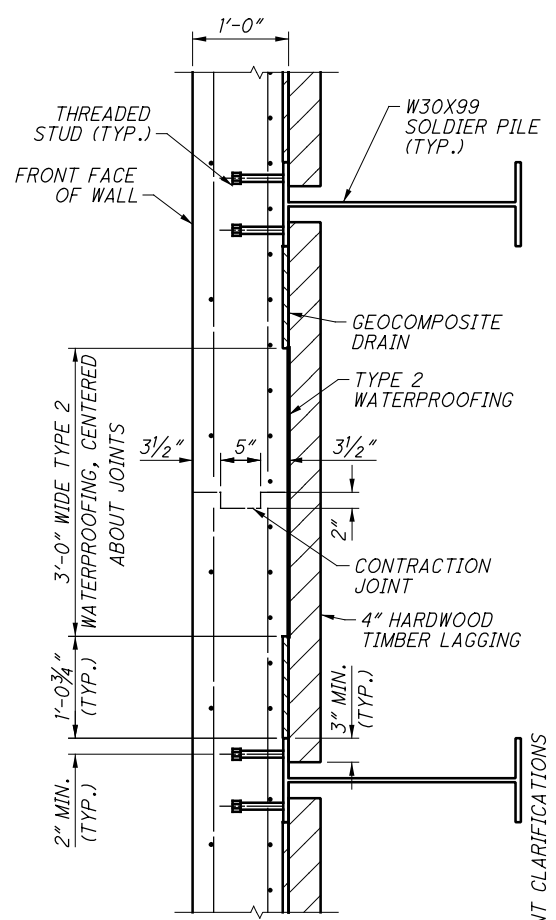
SOLDIER PILE ELEVATION



SECTION B-B AT EXPANSION JOINT



SECTION B-B



SECTION B-B TYP. AT CONTRACTION JOINTS

NOTES:

1. FOR WALL PLAN, SEE SHEET 4/8.
2. FOR WALL ELEVATION, SEE SHEET 5/8.
3. STUDS INCLUDED IN PRICE OF ITEM 507 - STEEL PILES, MISC.: SOLDIER PILES.
4. FOR LOCATION OF SECTION A-A, SEE SHEET 5/8.
5. BACKFILL RETAINING WALL WITH ITEM 203 - EMBANKMENT, AS PER PLAN.
6. EXCEPT WHERE NOTED TO USE ITEM 203 - GRANULAR EMBANKMENT, AS PER PLAN.
7. BACKFILL MUST BE COMPLETED PRIOR TO INSTALLING THE CIP WALL FACING.

	DESIGN AGENCY DLN, Inc. 2475 Sugar Grove Rd., SE Lancaster, Ohio 43130 (740) 687-5542 Phone - (740) 687-0066 Fax	DATE 9/19/19	STRUCTURE FILE NUMBER
DRAWN JBM	REVISIONS JBM REVISED	REVIEWED MUR	DATE 9/19/19
DESIGNED JBM	CHECKED JAH	WALL TYPICAL SECTION SOLDIER PILE AND LAGGING WALL ALONG SR-303 WEST OF STATE ROAD	
MED-303-13.90/14.96		PID No. 94440	
APPENDUM 5: EMBANKMENT CLARIFICATIONS			
7/8			
32 60			