

**OFFICE OF THE
LOGAN COUNTY ENGINEER
P.O. BOX 427
1991 COUNTY ROAD 13
BELLEFONTAINE, OH 43311
www.lceo.us**

**SCOTT C. COLEMAN, P.E., P.S.
LOGAN COUNTY ENGINEER**

**TELEPHONE: (937) 592-2791
FAX: (937) 599-2658**

Honorable Board of
Logan County Commissioners
117 E. Columbus Ave, Ste. 100
Bellefontaine, OH 43311

January 20, 2023

Re: Submittal of Engineer's Report for Cherry Lane Petition for Road Improvement

Honorable Commissioners:

As ordered by Resolution No. 177-22, submitted herewith are the plans, specifications, a cost estimate and an estimated landowner assessment schedule for the Cherry Lane petition for road improvement.

The total estimated cost is \$128,094. Here is a brief summary of the estimated costs:

Estimated Construction Cost	\$ 118,094
Estimated Engineering and Surveying Cost	\$ 7,500
Estimated Inspection Cost	\$ 1,500
Estimated Administration Cost	\$1,000
Estimated Total Project Cost	\$ 128,094

The proposed estimated landowner assessment schedule was based upon charging special assessments to lots that have drives that require drive pipes and/or structural concrete. After these special assessments were accounted for, the remaining estimated project costs were evenly distributed to every lot abutting Cherry Lane.

Per ORC 5555.07, this submittal shall be filed in your office for the inspection and examination of all persons interested and notice of said filing shall be published in a newspaper of general circulation. The notice shall state the time and place for hearing objections to the improvement and estimated assessments. It's also recommended that you notify the landowners with lots abutting Cherry Lane via mail as some landowners have requested such notification. With regards to the hearing, ORC 5555.07 states "At such hearing the board may order said

surveys, plans, profiles, cross sections, estimates, and specifications to be changed or modified and shall make such adjustments of the estimated assessments as seem just to it. Thereupon the board may approve such surveys, plans, profiles, cross sections, specifications, and estimates and approve and confirm estimated assessments as made by the engineer or as modified and changed by the board. Such assessments when so approved and confirmed shall be certified to the county auditor of the county and shall thereupon become a lien upon the land charged therewith. The board may declare against said improvement.”

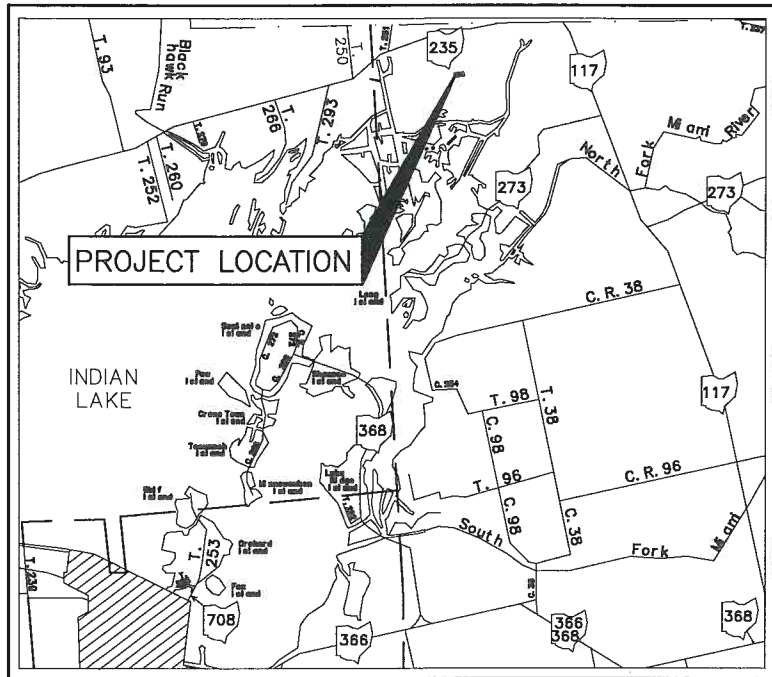
Please contact me if there are any questions on the material contained in this submittal or if I can be of any other assistance in the proceedings of this improvement.

Respectfully,

A handwritten signature in black ink that reads "Scott C. Coleman". The signature is written in a cursive, flowing style.

Scott C. Coleman, P.E., P.S.
Logan County Engineer

cc: File, Richland Township Trustees, Logan County Auditor, Logan County Sewer District



LOCATION MAP

PORTION TO BE IMPROVED -----
 STATE AND FEDERAL ROUTES -----
 OTHER ROADS -----

DESIGN DESIGNATION

CURRENT A.D.T. (2022) ----- 77
 DESIGN YEAR A.D.T. (2042) ----- 94
 DIRECTIONAL DISTRIBUTION ----- 50%
 TRUCKS (24 HOUR B&C) ----- 9
 DESIGN SPEED ----- 35 MPH
 LEGAL SPEED ----- 35 MPH
 DESIGN FUNCTIONAL CLASSIFICATION ----- LOCAL

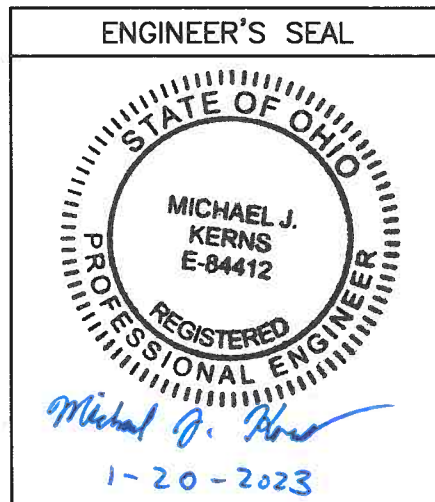
KEY

⊙ ROADWAY -----
 ⊙ PROPOSED DITCH -----
 EXISTING FEATURE -----
 PROPOSED EDGE OF PAVEMENT -----
 RIGHT-OF-WAY ----- R/W ----- R/W ----- R/W -----
 PROPERTY LINE ----- PL ----- PL ----- PL -----

REMOVE EXISTING FEATURE = ✕

EXISTING TREE OR SHRUB = ☼

EX. = EXISTING
 PR. = PROPOSED



LOGAN COUNTY
 ENGINEER'S OFFICE
 SCOTT C. COLEMAN, P.E., P.S.
 COUNTY ENGINEER
 CHERRY LANE
 ROAD IMPROVEMENT



RICHLAND TOWNSHIP
 2023

INDEX OF SHEETS

TITLE SHEET ----- 1
 SITE PLAN & PROFILE ----- 2
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 PAVEMENT NOTES ----- 4
 TYPICAL SECTION ----- 5
 CROSS-SECTIONS ----- 6-10

STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
	O.D.O.T. CONSTRUCTION AND MATERIALS SPECIFICATIONS, DATED JANUARY 1, 2019
	THE LOGAN COUNTY TECHNICAL DESIGN STANDARDS

PROJECT DESCRIPTION

IMPROVE ALL OF CHERRY LANE BY GRADING, DRAINING, STRAIGHTENING, WIDENING AND PAVING SAID STREET WHICH IS LOCATED IN INDIAN LAKE SHORES ALLOTMENT NO. 1, V.M.S 13393, RICHLAND TOWNSHIP, LOGAN COUNTY, OHIO. SAID STREET BEING ALL OF CHERRY LANE AS SHOWN ON THE PLAT OF INDIAN LAKE SHORES ALLOTMENT NO. 1 (PLAT CABINET A, SLIDE 399).

LOGAN COUNTY ENGINEER APPROVAL

I HEREBY APPROVE OF THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING OF THE ROAD TO THROUGH TRAFFIC, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THESE PLANS.

1-20-23
 DATE

Scott C. Coleman
 LOGAN COUNTY, OHIO, ENGINEER

FEDERAL PROJECT NO.
 NON-FEDERAL

PID NO.
 NONE

WORK ORDER NO.
 11664

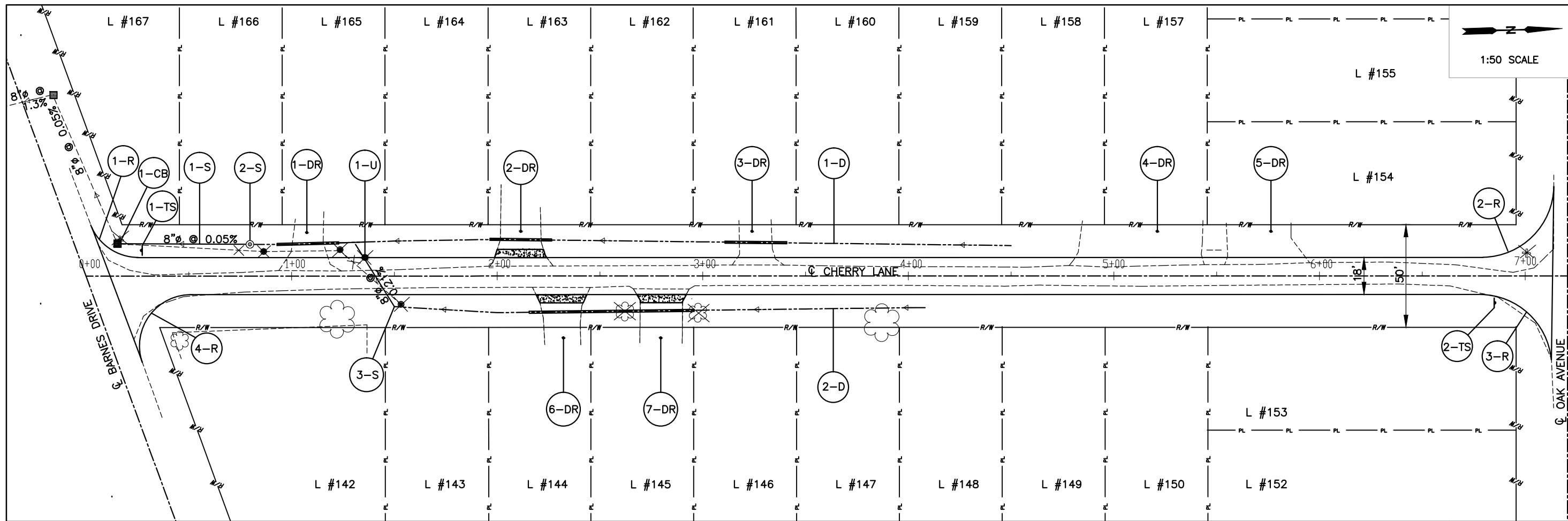
RAILROAD INVOLVEMENT
 NONE

CHERRY LANE

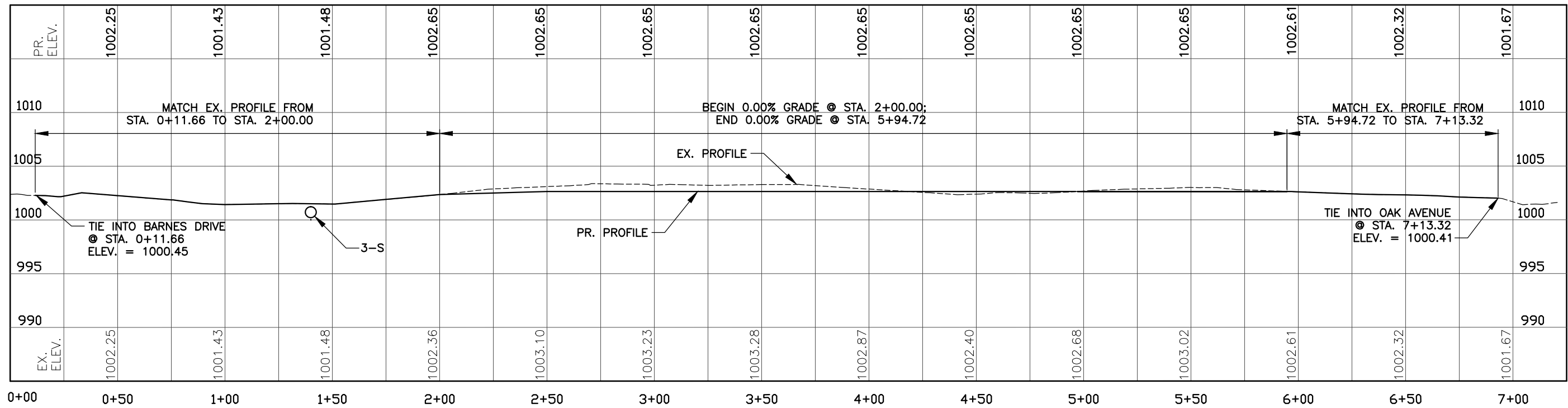
1/10



PLANS PREPARED BY:
 LOGAN COUNTY ENGINEER'S OFFICE
 1991 C.R. 13, P.O. BOX 427
 BELLEFONTAINE, OHIO 43311



SITE PLAN



PROFILE

LOGAN COUNTY ENGINEER'S OFFICE
1991 C.R. 13, P.O. BOX 427
BELLEFONTAINE, OHIO 43311

DATE: 12/21/2022
DESIGNED: MJK
DRAWN: MJK
REVIEWED: MJK
WORK ORDER NUMBER: 11664

DESIGNED: MJK
DRAWN: MJK
REVIEWED: MJK
CHECKED: SCC

SITE PLAN & PROFILE

CHERRY LANE

2/10

REFERENCE TABLE

REF. NO.	SHEET NO.	DESCRIPTION	STATION (BEGIN, END)	BID ITEM	QUANTITY	UNIT
1-DR	2,6	EX. GRAVEL DRIVE	0+93.00, 1+23.00	611: 8" TYPE D	30	LF
2-DR	2,7	EX. ASPHALT DRIVE	1+96.50, 2+26.50	611: 8" TYPE D	30	LF
3-DR	2,8	EX. GRAVEL DRIVE	3+10.80, 3+40.80	611: 8" TYPE D	30	LF
4-DR	2	EX. GRAVEL DRIVE				
5-DR	2	EX. GRAVEL DRIVE				
6-DR	2,7	EX. ASPHALT DRIVE	2+15.58, 2+45.58	611: 8" TYPE D	30	LF
7-DR	2,7	EX. CONCRETE DRIVE	2+45.58, 2+95.58	611: 8" TYPE D	50	LF
1-R	2,6	PR. RADIUS = 25'	0+11.66, 0+24.75			
2-R	2,10	PR. RADIUS = 35'	6+79.57, 7+13.32			
3-R	2,10	PR. RADIUS = 35'	6+78.18, 7+13.32			
4-R	2,6	PR. RADIUS = 25'	0+11.66, 0+50.70			
1-TS	2	PR. R1-1 ('STOP') TRAFFIC SIGN INSTALLED PER OMUTCD			1	EA
2-TS	2	PR. R1-1 ('STOP') TRAFFIC SIGN INSTALLED PER OMUTCD			1	EA
1-U	2,6	EX. PRIVATE SEWAGE PIPE. RELOCATE EX. PIPE TO EDGE OF RIGHT-OF-WAY AND CAP TO IN-KIND CONDITION.				
1-S	2,6	PR. 8"Ø CULVERT WITH 0.05% GRADE INLET $\bar{\ell}$: 998.70 OUTLET $\bar{\ell}$: 998.67	0+15.19, 0+80	611: TYPE C	65	LF
2-S	2,6	PR. 8"Ø METAL GRATE AND TILE CONNECTION TO 8"Ø TILE. TOP OF GRATE FLUSH WITH GROUND ELEV.		611: METAL GRATE INLET	1	EA
3-S	2,6-7	PR. 8"Ø CULVERT WITH 32' RF SKEW & 0.21% GRADE INLET $\bar{\ell}$: 1000.20 OUTLET $\bar{\ell}$: 1000.12	1+50 (R), 1+30 (L)	611: TYPE A	36	LF
1-CB	2,6	EX. 2-2 CATCH BASIN TO REMAIN				
1-D	2,5-10	PR. DITCH WITH 0.04% GRADE & MAX 3:1 SLOPES	0+80, 4+50		370	LF
2-D	2,5-10	PR. DITCH WITH 0.04% GRADE & MAX 3:1 SLOPES	1+50, 4+08		258	LF

GENERAL NOTES

- USE EXCAVATED MATERIAL FROM PROJECT SITE WHEN SAID MATERIAL CONFORMS TO PROJECT SPECIFICATIONS
- HAUL AND DISPOSE OF ALL THE EXCAVATED MATERIAL AND DEBRIS FROM SITE THAT DOES NOT CONFORM TO GENERAL NOTE (1)
- DRIVEWAYS ARE TO BE REPAIRED IN-KIND AND ALL DRIVEWAYS MUST ADHERE TO DRAWING B-15 OF THE LOGAN COUNTY TECHNICAL DESIGN STANDARDS
- ITEM #304: QUANTITIES SHOWN ON BID SHEET INCLUDE THE AGGREGATE FOR GRAVEL DRIVEWAYS
- ITEM #404: QUANTITIES SHOWN ON BID SHEET INCLUDES THE ASPHALT FOR DRIVEWAYS 2-DR AND 6-DR
- ITEM #511: QUANTITIES SHOWN ON BID SHEET INCLUDES THE CONCRETE FOR DRIVEWAY 7-DR
- EX. DRAINAGE TILES ARE BE HANDLED IN ACCORDANCE WITH ODOT CMS ITEM 202
- TEMPORARY SEDIMENT AND EROSION CONTROL: INSTALL DROP INLET PROTECTION IN THE FORM OF A SILT SACK OR EQUIVALENT FILTER DEVICE ON 1-CB
- ITEM #611, TYPE A, C, AND D: PIPE MATERIAL TO BE DUCTILE IRON
- NOTIFICATION OF TRAFFIC RESTRICTIONS: THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER 21 DAYS BEFORE BEGINNING CONSTRUCTION AND SHALL PERSONALLY NOTIFY THE LANDOWNERS ABUTTING CHERRY LANE 14 DAYS BEFORE BEGINNING CONSTRUCTION. THE COUNTY ENGINEER'S OFFICE WILL NOTIFY THE PUBLIC ABOUT THE ROAD CLOSURE 14 DAYS PRIOR TO CLOSURE. LOCAL TRAFFIC WILL BE MAINTAINED WHEN POSSIBLE. THE LOGAN COUNTY ENGINEER'S OFFICE WILL PROVIDE PROPER 'ROAD CLOSED' SIGNAGE.

DESIGN AGENCY
LOGAN COUNTY ENGINEER'S OFFICE
1991 C.R. 13, P.O. BOX 427
BELLEFONTAINE, OHIO 43311

DATE
12/21/2022
REVIEWED
WTB
WORK ORDER NUMBER
11664

DRAWN
MJK
DESIGNED
MJK
CHECKED
SOC

REFERENCE TABLE & GENERAL NOTES

CHERRY LANE

AGGREGATE

THE CONTRACTOR SHALL PROVIDE THE NAME AND LOCATION OF THE AGGREGATE PRODUCER PROVIDING THE AGGREGATE FOR THIS PROJECT. THE ENGINEER SHALL THEN INFORM THE LABORATORY, WHO WILL TEST THE AGGREGATE TO INSURE IT COMPLIES WITH ALL OF THE REQUIREMENTS OF THE O.D.O.T. SPECIFICATIONS. HOWEVER, IF THE AGGREGATE HAS BEEN PREVIOUSLY TESTED BY THE COUNTY, NO TESTING WILL BE REQUIRED. THE PERCENTAGE OF CRUSHED AGGREGATE SHALL BE DETERMINED BY COUNTING THE NUMBER OF SINGLE FRACTURED FACES. THE COUNTY MAY PERFORM DURABILITY TESTING OF THE AGGREGATE STOCKPILE.

JOB MIX FORMULA

THE JOB MIX FORMULA SHALL BE DESIGNED FOR LOW VOLUME TRAFFIC. WARM MIX ASPHALT IS REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL PROVIDE THE JOB MIX FORMULA TO THE ENGINEER AT THE TIME OF BIDDING. THE ENGINEER SHALL FORWARD THE JMF TO THE LABORATORY FOR VERIFICATION.

JOB MIX

JOB MIX FORMULA SHALL BE 20% PERCENT R.A.P. (RECLAIMED ASPHALT PAVEMENT) MAXIMUM FOR SURFACE MATERIAL. JOB MIX FORMULA MUST INCLUDE MAXIMUM PERCENT OF R.A.P. PROPOSED AND MINIMUM PERCENT VIRGIN ASPHALT BINDER PROPOSED FOR ALL MIXES BEING BID.

ASPHALT BINDER

SHALL BE BINDER GRADE PG58-28.

ITEM 402LVT (AS PER PLAN)

IS A COARSE VERSION OF THE OHIO DOT 404LVT. THIS AS PER PLAN MIX DESIGN WILL BE USED FOR LEVELING AND INTERMEDIATE MAT PLACEMENT. ODOT SPECIFICATION ITEM 404LVT SHALL BE FOLLOWED WHEN DEVELOPING JMF WITH EXCEPTION OF MIXTURE PROPORTIONS OUTLINED BELOW. COMPLETE MIX DESIGN DOCUMENTATION SHALL BE PROVIDED ALONG WITH THE JMF AT THE TIME OF BIDDING FOR APPROVAL BY THE COUNTY ENGINEER.

402LVT (AS PER PLAN) - MIXTURE PROPORTIONS
50-BLOW MARSHALL

SIEVE	TOTAL PERCENT PASSING
1 1/2	100
1	95 TO 100
3/4	90 TO 100
1/2	75 TO 90
#4	50 TO 65
#8	35 TO 50
#16	25 TO 40
#30	15 TO 30
#50	8 TO 16
#100	2 TO 10
TOTAL BINDER	5.5 TO 6.5 INDICATE GRAVEL OR LESTONE COARSE AGGREGATE
VIRGIN BINDER	5.3 (MINIMUM)
BINDER GRADE	PG 58-28
AIR VOIDS	3.5%

ITEM 404LVT, EXTRA MATERIAL

QUANTITIES OF ASPHALT CONCRETE HAVE BEEN PROVIDED TO CORRECT SURFACE IRREGULARITIES AND TO PROVIDE FOR TWO FEET WIDE TAPERS AT DRIVEWAYS AND MAILBOXES. ADDITIONAL QUANTITIES HAVE ALSO BEEN PROVIDED TO RESURFACE INTERSECTIONS TO THE RIGHT OF WAY LINE. THESE QUANTITIES ARE ESTIMATED AND SHALL BE USED AT THE DIRECTION OF THE ENGINEER OR THE ENGINEER'S DESIGNEE. ALL EXTRA MATERIAL SHALL BE OF THE SAME TYPE AS USED FOR THE FINISH COURSE.

ASPHALT BINDER PRICE ADJUSTMENT

2019 O.D.O.T. CMS, SHALL NOT APPLY TO THIS PROJECT

TESTING

THE ENGINEER'S REPRESENTATIVE MAY COLLECT A SAMPLE OF THE MATERIAL BEING DELIVERED TO THE PROJECT. EACH SAMPLE SHALL BE MARKED WITH THE DATE, TIME THE SAMPLE WAS TAKEN, AND THE DELIVERY TICKET NUMBER. THE SAMPLES WILL BE ANALYZED BY THE LABORATORY FOR ASPHALT CONTENT, GRADATION AND AGGREGATE PROPERTIES.

QUALITY CONTROL

NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS, EXCLUDING WEEKENDS AND LEGAL HOLIDAYS, PRIOR TO STARTING ASPHALT CONCRETE PRODUCTION. THE FAILURE TO PROVIDE THE REQUIRED MINIMUM NOTICE MAY RESULT IN THE ENGINEER BEING UNABLE TO OBSERVE THE TESTING AS MAY BE REQUIRED BY THIS SPECIFICATION. PRODUCTION AND/OR PLACEMENT OF ASPHALT SHALL NOT TAKE PLACE WITHOUT TESTING EQUIPMENT BEING IN PROPER WORKING ORDER.

THE MINIMUM ASPHALT BINDER CONTENT AS SPECIFIED HEREIN BY THE APPROVED JMF FOR EACH TYPE OF ASPHALT MATERIAL PER DAY OF PRODUCTION AND PLACEMENT SHALL BE TESTED IN ACCORDANCE WITH AASHTO T-287 AND ASTM D 4125. ASPHALT CONTENT OF EACH ASPHALT MATERIAL TYPE SHALL BE TESTED A MINIMUM OF ONE (1) TIME PER 500 TONS OF PRODUCTION DURING EACH DAY. THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE SHALL DETERMINE WHEN, DURING THE DAY'S PRODUCTION, EACH OF THE REQUIRED TESTS SHALL BE MADE; HOWEVER, THE CONTRACTOR MAY CONDUCT ADDITIONAL TESTS BEYOND THOSE ORDERED BY THE ENGINEER TO ENSURE PROPER QUALITY CONTROL.

DOCUMENT EACH ASPHALT CONTENT TEST IN A MANNER ACCEPTABLE TO THE ENGINEER'S REPRESENTATIVE. AT A MINIMUM INCLUDE IN EACH TEST REPORT THE INFORMATION SPECIFIED IN AASHTO T-287. PROVIDE THE WRITTEN TEST REPORTS TO THE ENGINEER AS SOON AS PRACTICABLE UPON COMPLETION OF EACH TEST.

WHEN DIRECTED BY THE ENGINEER, PROVIDE SAMPLES OF MATERIAL PER 403.06. SAMPLES OBTAINED PER 403.06 WILL BE USED, AT THE ENGINEER'S DISCRETION, TO DETERMINE AGGREGATE GRADATION.

THE ENGINEER MAY ORDER ADDITIONAL TESTS BASED ON THE SCOPE OF THE PROJECT, SCHEDULE OF ASPHALT CONCRETE PLACEMENT, OR IF WORKMANSHIP PROBLEMS BECOME EVIDENT. NOTHING IN THIS SPECIFICATION, IF AND WHEN DEEMED NECESSARY, SHALL PRECLUDE THE ENGINEER FROM OBTAINING AND TESTING SAMPLES BY ANY OTHER GENERALLY ACCEPTABLE METHOD, IN ACCORDANCE WITH ESTABLISHED STANDARDS AND PRACTICES.

PAYMENT AND ACCEPTANCE

PAYMENT FOR ASPHALT CONCRETE PAVING ITEMS REPRESENTING EACH DAY'S PRODUCTION WILL BE AS ACCEPTED AND AUTHORIZED BY THE ENGINEER ON THE BASIS OF WEIGHT SLIPS AND THE FOLLOWING PAY SCHEDULE. WEIGHT SLIPS SHALL INDICATE GROSS, TARE, AND NET WEIGHTS, NOT BATCH WEIGHTS.

ACCEPTANCE AND PAYMENT FOR EACH TYPE OF MATERIAL WILL BE BASED ON THE MEASURED TOTAL ASPHALT BINDER CONTENT AS COMPARED WITH THAT SPECIFIED, AND VERIFIED THROUGH LABORATORY TEST RESULTS AND THE DATA LOGS. ALL PRODUCTION DATA LOGS SHALL BE CORRELATED TO THE LOADING TIME BY THE PRODUCTION PLANT. QUALITY CONTROL REPORTS SHALL BE SUBMITTED USING OHIO DOT CONTRACTOR FORM TE-199. RESULTING PAY ADJUSTMENT(S) WILL BE MADE IN ACCORDANCE WITH THE FOLLOWING PAY SCHEDULE:

PAY FACTOR	DEVIATION BELOW REQUIRED TOTAL ASPHALT BINDER CONTENT	MINIMUM SPECIFIED
1.00	0.00 TO 0.10	
0.99	0.11 TO 0.20	
0.98	0.21 TO 0.30	
0.95	0.31 TO 0.40	
0.70	0.41 TO 0.50	
REMOVAL	MORE THAN 0.50	

THE PAY FACTOR WILL BE APPLIED TO THE UNIT PRICE FOR THE RESPECTIVE ITEM IN THE CONTRACT WHEN CALCULATING PAYMENT PROGRESS ESTIMATES.

DESIGN AGENCY
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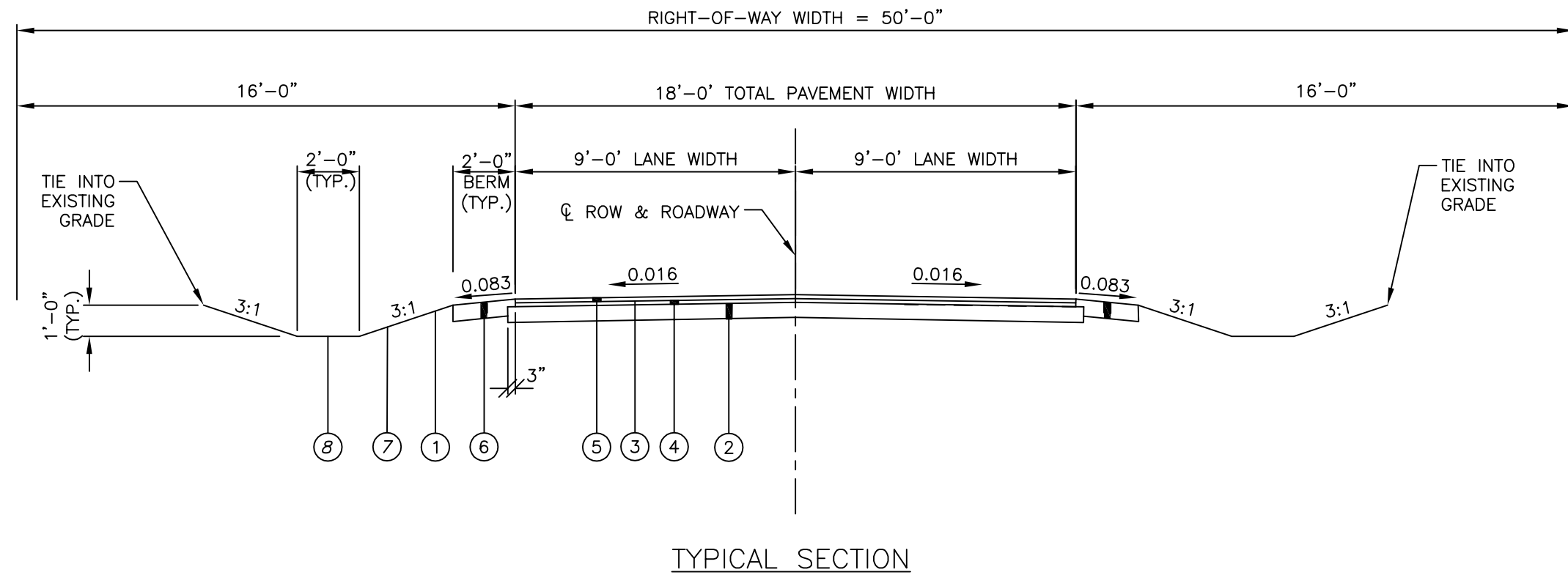
DATE
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DRAWN
MJK
REVISION
DESIGNED
MJK
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SOC

PAVEMENT NOTES

CHERRY LANE

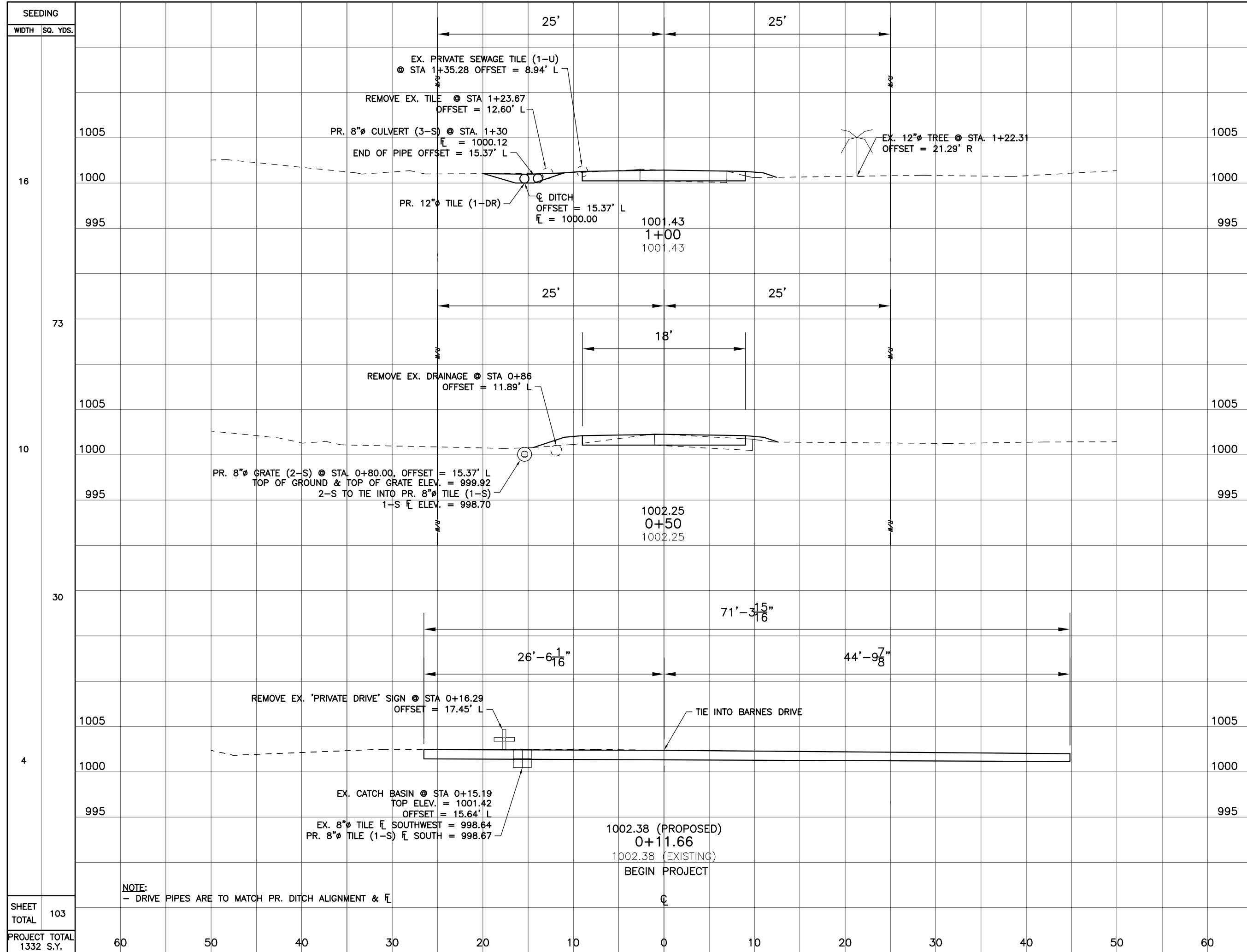
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LEGEND

- ① ITEM 203 EXCAVATION & EMBANKMENT, AS PER CROSS SECTIONS
- ② ITEM 304 9" AGGREGATE BASE
- ③ ITEM 407 TACK COAT, 0.075 GAL./SQ. YD.
- ④ 402 LVT 2" INTERMEDIATE COURSE, PG58-28
- ⑤ 404 LVT 1½" SURFACE COURSE, PG58-28
- ⑥ ITEM 617 BERM, TYPE A, 6" MIN.
- ⑦ ITEM 659 TOPSOIL FURNISHED AND PLACED (6" DEPTH)
- ⑧ ITEM 659 SEEDING AND MULCHING, CLASS 1

CHERRY LANE	TYPICAL SECTION	DESIGNED MJK CHECKED SCC	DRAWN MJK REVISED .	REVIEWED WTB DATE 12/21/2022 WORK ORDER NUMBER 11664	DESIGN AGENCY LOGAN COUNTY ENGINEER'S OFFICE 1991 C.R. 13, P.O. BOX 427 BELLEFONTAINE, OHIO 43311
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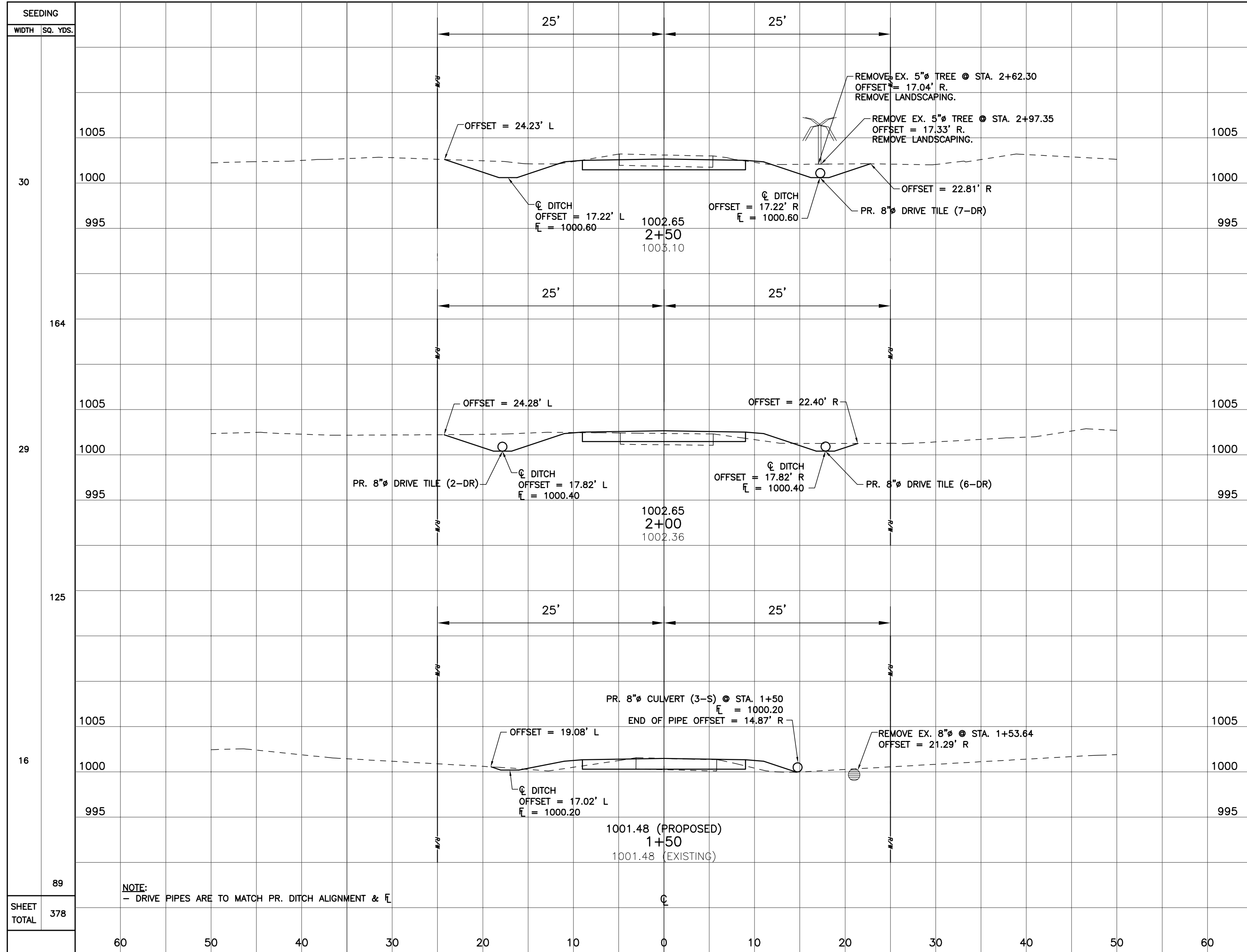


END AREA		VOLUME		DESIGNED	CHECKED
CUT	FILL	CUT	FILL	MJK	SCC
17.4	1.9				
		22.1	5.0		
		6.5	3.5		
		6.8	4.6		
3	3				
SHEET TOTAL		28.9	9.6		
PROJECT TOTALS (C.Y.)		394	104		

CROSS SECTIONS
STA. 0+11.66 TO 1+00

CHERRY LANE

6
10

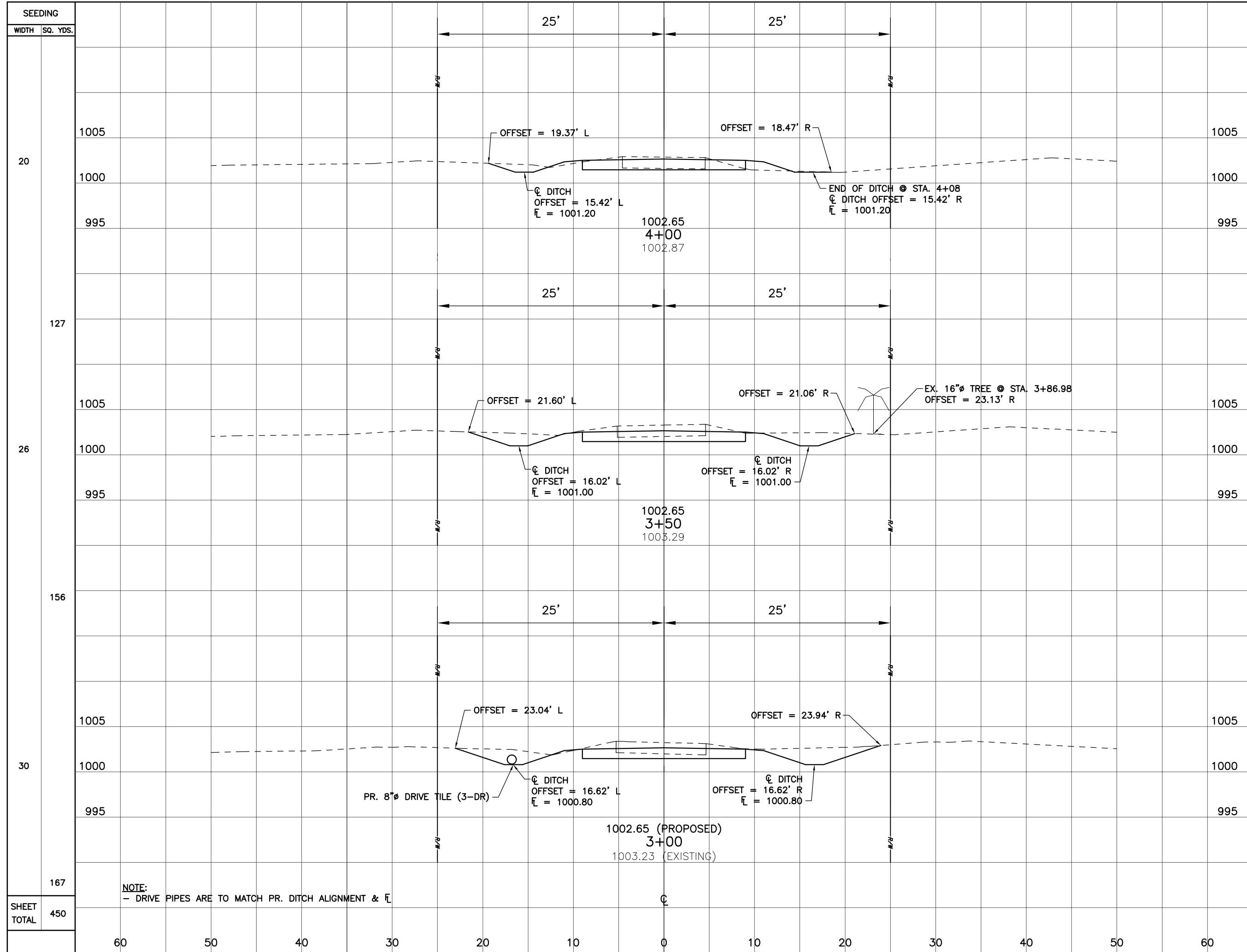


SEEDING	WIDTH	SQ. YDS.	END AREA		VOLUME	
			CUT	FILL	CUT	FILL
30			32.2	0.0		
164					53.3	0.0
29			25.4	0.0		
125					30.7	6.3
16			7.7	6.8		
89					23.2	8.1
SHEET TOTAL	378		107.2	14.4		

DESIGNED: MJK
 CHECKED: SCC
CROSS SECTIONS
STA. 1+50 TO 2+50
CHERRY LANE
7/10

NOTE:
 - DRIVE PIPES ARE TO MATCH PR. DITCH ALIGNMENT & \bar{L}

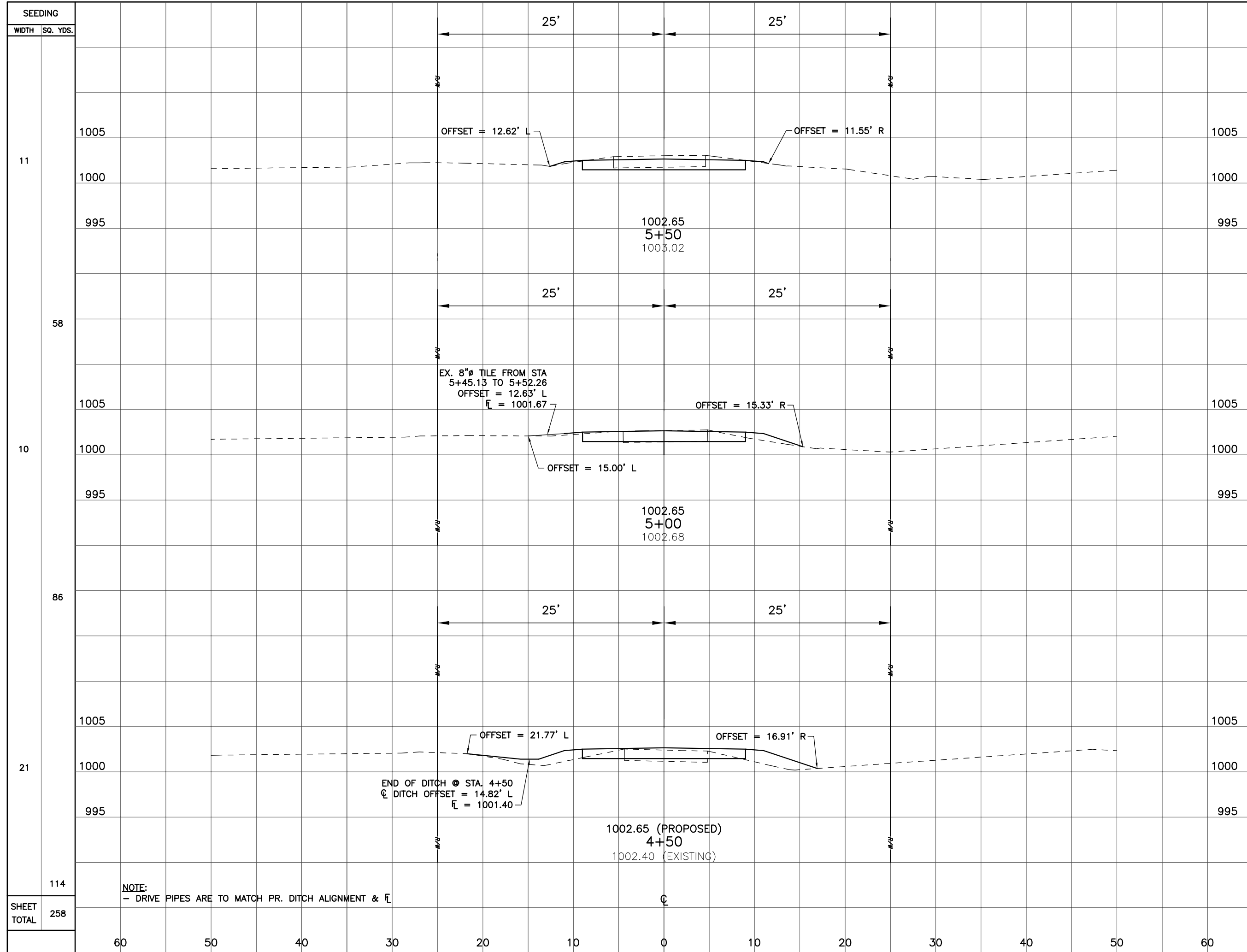
1001.48 (PROPOSED)
 1+50
 1001.48 (EXISTING)



SEEDING		END AREA		VOLUME	
WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
20		11.9	3.8		
127				38.0	3.5
26		29.1	0.0		
156				70.7	0.0
30		47.2	0.0		
167				73.5	0.0
SHEET TOTAL	450	182.2	3.5		

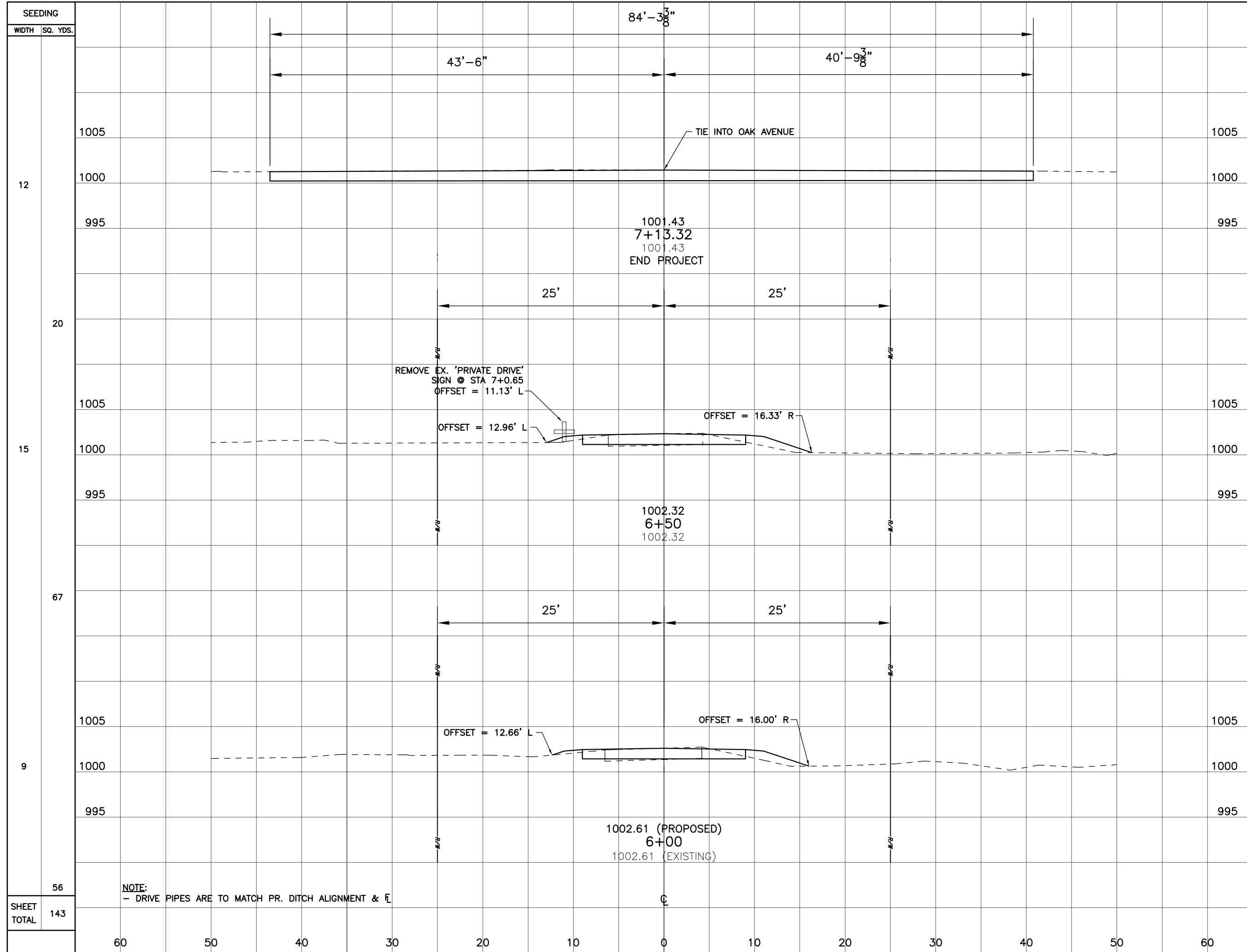
DESIGNED MJK
 CHECKED SCC
 CROSS SECTIONS
 STA. 3+00 TO 4+00
 CHERRY LANE
 8
 10

NOTE:
 - DRIVE PIPES ARE TO MATCH PR. DITCH ALIGNMENT & E



SEEDING		END AREA		VOLUME	
WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
11		10.4	0.0		
58				17.0	3.2
10		8.0	3.5		
86				11.3	15.6
21		4.2	13.3		
114				14.9	15.8
SHEET TOTAL	258	43.2	34.6		

DESIGNED: MJK
 CHECKED: SCC
 CROSS SECTIONS
 STA. 4+50 TO 5+50
 CHERRY LANE



SEEDING		END AREA		VOLUME	
WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
12		2.0	10.0		
15		2.6	11.3	5.4	25.0
67				9.7	13.6
9		7.9	3.4		
56				16.9	3.2
SHEET TOTAL	143	32.0	41.8		

DESIGNED: MJK
 CHECKED: SCC
CROSS SECTIONS
STA. 6+00 TO 7+13.32
CHERRY LANE

NOTE:
 - DRIVE PIPES ARE TO MATCH PR. DITCH ALIGNMENT & \square

1002.61 (PROPOSED)
6+00
 1002.61 (EXISTING)

1001.43
7+13.32
 1001.43
 END PROJECT

REMOVE EX. 'PRIVATE DRIVE'
 SIGN @ STA 7+0.65
 OFFSET = 11.13' L

OFFSET = 12.96' L

OFFSET = 16.33' R

OFFSET = 12.66' L

OFFSET = 16.00' R

84'-3 3/8"

43'-6"

40'-9 3/8"

25'

25'

25'

25'

60 50 40 30 20 10 0 10 20 30 40 50 60

FINAL ENGINEER'S ESTIMATE - CHERRY LANE IMPROVEMENT

ITEM	QUAN	UNIT	DESCRIPTION	EST. COST	TOTAL
			RICHLAND TOWNSHIP		
			CHERRY LANE IMPROVEMENT		
201	1	LUMP	Clearing and Grubbing	\$ 2,000.00	\$ 2,000.00
202	1	LUMP	Removal of structures and obstructions	\$ 3,000.00	\$ 3,000.00
203	498	CY	Excavation & Embankment	\$ 22.00	\$ 10,956.00
204	1501	SY	Subgrade Compaction	\$ 2.00	\$ 3,002.00
209	628	LF	Linear Grading	\$ 5.00	\$ 3,140.00
304	360	TON	Aggregate Base (9" depth)	\$ 50.00	\$ 18,000.00
402	175	TON	402 LVT Asphalt Concrete Base Course, PG 58-28 (2" depth)	\$ 111.58	\$ 19,526.50
404	130	TON	404 LVT Asphalt Concrete Surface Course, PG 58-28 (1.5" depth)	\$ 113.68	\$ 14,778.40
407	116	GAL	Tack Coat	\$ 2.10	\$ 243.60
411	111	TON	Crushed Berm Aggregate (agg. size # 617)	\$ 50.00	\$ 5,550.00
511	1	CY	Structural Concrete, QC 2 (1 driveway)	\$ 500.00	\$ 500.00
611	36	FT	8" ø Type A: Ductile iron	\$ 70.00	\$ 2,520.00
611	65	FT	8" ø Type C: Ductile iron	\$ 70.00	\$ 4,550.00
611	170	FT	8" ø Type D: Ductile iron	\$ 70.00	\$ 11,900.00
611	1	EA	8" Metal Grate Inlet (includes connection to 8" ø tile)	\$ 300.00	\$ 300.00
659	1332	SY	Seeding (Hydroseed Class 1)	\$ 1.50	\$ 1,998.00
659	0.12	TON	Commercial Fertilizer	\$ 850.00	\$ 102.00
659	7409	GAL	Watering	\$ 0.15	\$ 1,111.35
SPEC	1	LUMP	Miscellaneous catch basin & tile connections	\$ 500.00	\$ 500.00
SPEC	1	LUMP	Hauling and disposing of excavation material and debris	\$ 2,500.00	\$ 2,500.00
SPEC	1	LUMP	Temporary sediment and erosion control (drop inlet protection)	\$ 200.00	\$ 200.00
SPEC	1	LUMP	Relocate and cap private sewage tile	\$ 500.00	\$ 500.00
SPEC	60	LF	Saw cut existing driveways (2 asphalt, 1 concrete)	\$ 8.00	\$ 480.00
			CONSTRUCTION SUBTOTAL:	\$	107,358
			Construction contingencies (10%)	\$	10,736
			TOTAL CONSTRUCTION:	\$	118,094
			Engineering	\$	7,500
			Inspection	\$	1,500
			Administration	\$	1,000
			TOTAL ENGINEERING, INSPECTION, AND ADMINISTRATION:	\$	10,000
			CONSTRUCTION, ENGINEERING, INSPECTION, AND ADMINISTRATION GRAND TOTAL:	\$	128,094

Prepared by:

Michael Kerns

Michael J. Kerns, P.E.
Assistant Engineer
Logan County Engineer's Office

Date: January 5, 2023

FINAL SCHEDULE OF LANDOWNERS

Cherry Lane Improvement

Final Engineer's Estimate: \$ 128,094

Owner's Name Per Auditor's Tax Duplicate	Parcel Number	Lot Number	Percent of Assessment	Base cost per lot	Base cost per landowner	Special assessment per lot	Total assessment per landowner
SHEPARD LINDA	38-006-15-02-015-000	142	4.55%	\$ 5,259	\$ 5,259		\$ 5,259
MILLER BRIAN K & TINA M	38-006-15-02-014-000	143	4.55%	\$ 5,259			
MILLER BRIAN K & TINA M	38-006-15-02-013-000	144	4.55%	\$ 5,259	\$ 10,518	\$ 2,100	\$ 12,618
ROSE CAROLYN J LE ETAL & PAMELA SUE ELSON ETAL	38-006-15-02-012-000	145	4.55%	\$ 5,259		\$ 4,000	
ROSE CAROLYN J LE ETAL & PAMELA SUE ELSON ETAL	38-006-15-02-011-000	146	4.55%	\$ 5,259			
ROSE CAROLYN J LE ETAL & PAMELA SUE ELSON ETAL	38-006-15-02-010-000	147	4.55%	\$ 5,259			
ROSE CAROLYN J LE ETAL & PAMELA SUE ELSON ETAL	38-006-15-02-009-000	148	4.55%	\$ 5,259	\$ 21,035		\$ 25,035
SMITH LORI L ETAL & JAMES D	38-006-15-02-008-000	149	4.55%	\$ 5,259			
SMITH LORI L ETAL & JAMES D	38-006-15-02-007-000	150	4.55%	\$ 5,259	\$ 10,518		\$ 10,518
CAUDILL GINGER L ETAL	38-006-15-02-006-000	153	4.55%	\$ 5,259	\$ 5,259		\$ 5,259
FLORY CHAD A TRUSTEE	38-006-15-03-001-000	154	4.55%	\$ 5,259	\$ 5,259		\$ 5,259
BRADSHAW LOWELL R ETUX & JUDITH E	38-006-15-03-027-000	157	4.55%	\$ 5,259	\$ 5,259		\$ 5,259
HOWELL EDWARD M	38-006-15-03-026-000	158	4.55%	\$ 5,259	\$ 5,259		\$ 5,259
FOGLE GEROLD BRADLEY	38-006-15-03-025-000	159	4.55%	\$ 5,259			
FOGLE GEROLD BRADLEY	38-006-15-03-024-000	160	4.55%	\$ 5,259			
FOGLE GEROLD BRADLEY	38-006-15-03-023-000	161	4.55%	\$ 5,259	\$ 15,776	\$ 2,100	\$ 17,876
NOBLE JACOB	38-006-15-03-022-000	162	4.55%	\$ 5,259			
NOBLE JACOB	38-006-15-03-021-000	163	4.55%	\$ 5,259	\$ 10,518	\$ 2,100	\$ 12,618
BURNS RONALD A	38-006-15-03-020-000	164	4.55%	\$ 5,259			
BURNS RONALD A	38-006-15-03-019-000	165	4.55%	\$ 5,259	\$ 10,518	\$ 2,100	\$ 12,618
DYSERT GREGORY M	38-006-15-03-018-000	166	4.55%	\$ 5,259			
DYSERT GREGORY M	38-006-15-03-017-000	167	4.55%	\$ 5,259	\$ 10,518		\$ 10,518

Totals: \$ 115,694 \$ 12,400 \$ 128,094

Special assessment notes

Special assessments have been charged to lots requiring:

- (a) 30' of drive pipe for lots 144, 161, 163 & 165
- (b) 50' of drive pipe for lot 145
- (c) structural concrete for driveway of lot 145