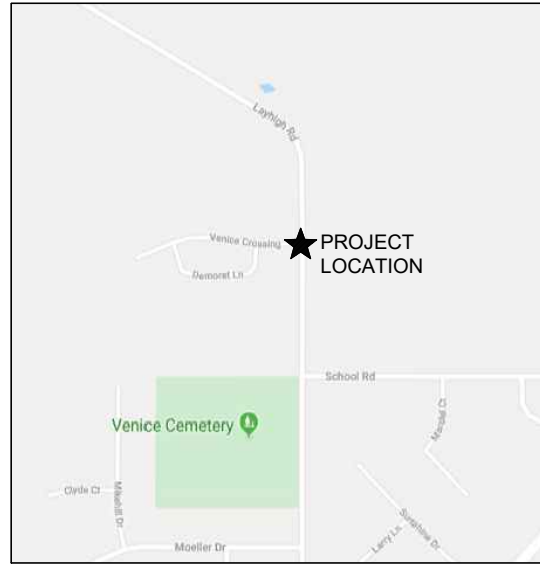


LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS



VICINITY MAP
NOT TO SCALE

**VENICE CROSSING
SECTION 28 & 33, TOWN 3, RANGE 2
ROSS TOWNSHIP
BUTLER COUNTY, OHIO**

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

PROJECT DESCRIPTION

THE SCOPE OF WORK TO BE PERFORMED UNDER THIS IMPROVEMENT SHALL GENERALLY CONSIST OF THE CONSTRUCTION OF A 285' NORTHBOUND LEFT TURN LANE ON LAYHIGH ROAD AT VENICE CROSSING.

APPROVED

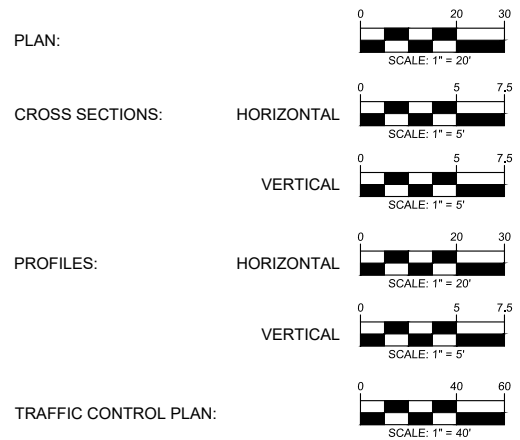
4/30/2020

LINE DATA

BEGIN ROADWAY PROJECT: STA. 101+13.00
END ROADWAY PROJECT: STA. 119+73.00
LENGTH OF ROADWAY PROJECT: 1860 LIN. FT. OR 0.352 MILES

LEGAL SPEED LIMIT:
LAYHIGH ROAD 55 MPH

SCALE IN FEET



INDEX OF SHEETS

TITLE SHEET	1
TYPICAL SECTIONS	2
GENERAL NOTES	3
GENERAL SUMMARY	4
ROADWAY PLAN	5-6
CROSS SECTIONS	7-16
TRAFFIC CONTROL PLAN	17

OWNER/DEVELOPER

ROSS TRAILS INC.
P.O. BOX 277
ROSS, OH 45061
PH: (513) 7220-9900

ENGINEER/SURVEYOR

BAYER BECKER
6900 TYLERSVILLE ROAD, SUITE A
MASON, OHIO 45040
PH: (513) 336-6600

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL: 1-800-925-0988

SUPPLEMENTAL SPECIFICATIONS

STANDARD CONSTRUCTION DRAWINGS

SPEC. NO.	DATE	SPEC. NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE
800	01/17/20			BP-3.2	01/18/19	TC-41.40	10/18/13												
832	10/19/18			BP-4.1	07/19/13	TC-42.20	10/18/13												
				BP-5.1	01/18/19	TC-52.10	10/18/13												
				DM-4.4	01/15/16	TC-52.20	7/20/18												
				HW-2.1	07/20/18	TC-65.10	01/17/14												
				MT-97.10	04/19/19	TC-71.10	01/19/18												
				MT-97.11	01/20/17														
				MT-101.90	07/21/17														
				MT-105.10	01/17/20														
				TC-41.20	10/18/13														

SPECIAL PROVISIONS

Drawing: 13M074-000 TITLE

Drawn by: MGS

Checked By: CPT

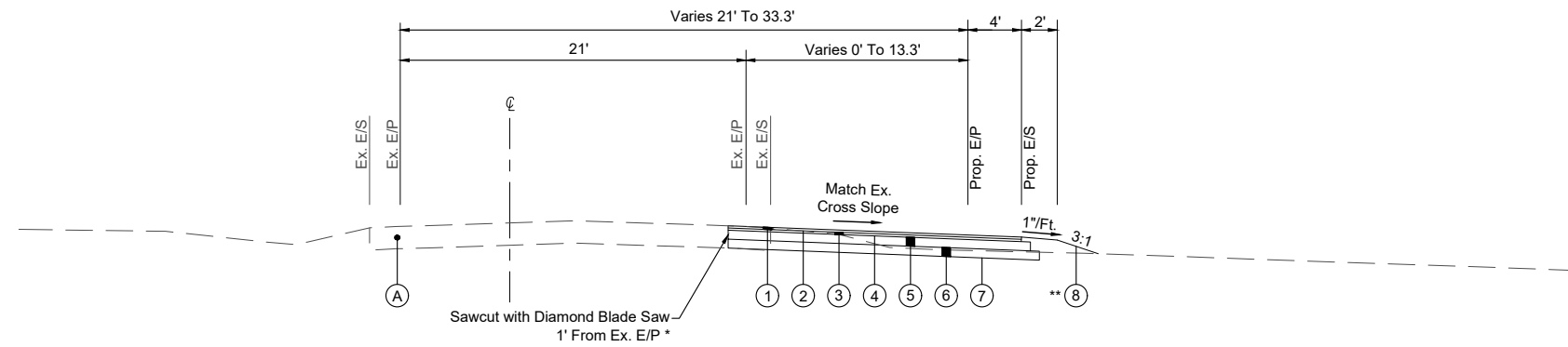
Issue Date: 11-12-19

Sheet: 1/17

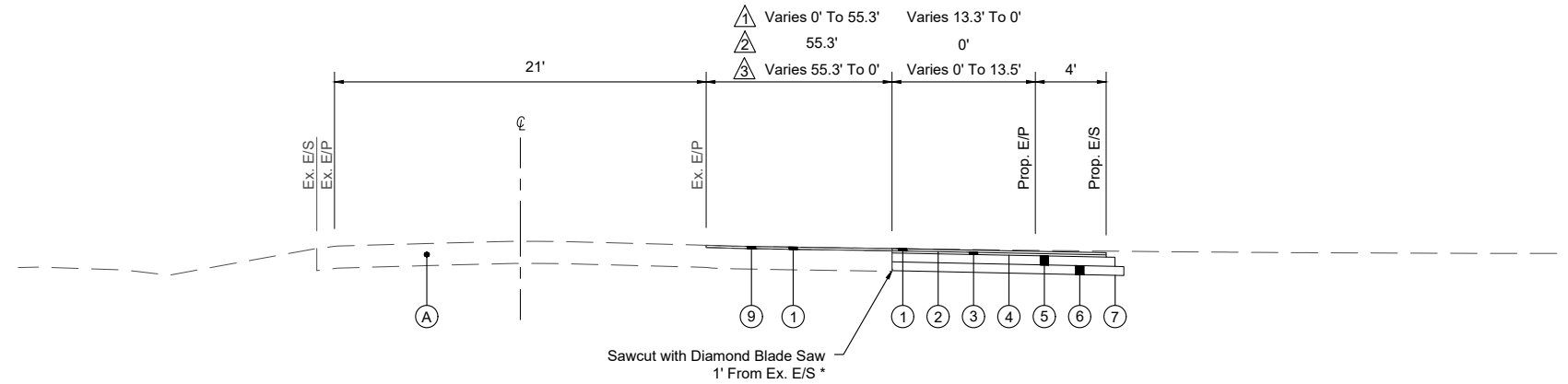
**LAYHIGH ROAD
AT VENICE CROSSING
ROADWAY IMPROVEMENTS**
ROSS TOWNSHIP
BUTLER COUNTY, OHIO
TITLE SHEET



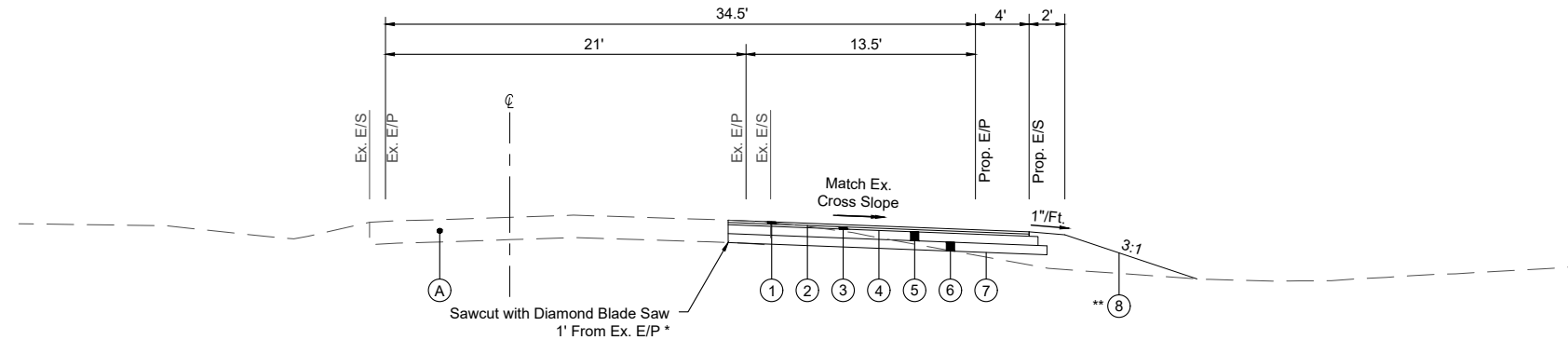
Plot time: Apr 14, 2020 - 3:07pm
 Drawing name: C:\Users\christofich\Documents\Venice Crossing\layhigh.Rd\13M074-000 Typical Sections.dwg - Layout Tab: 2 Typ Sections



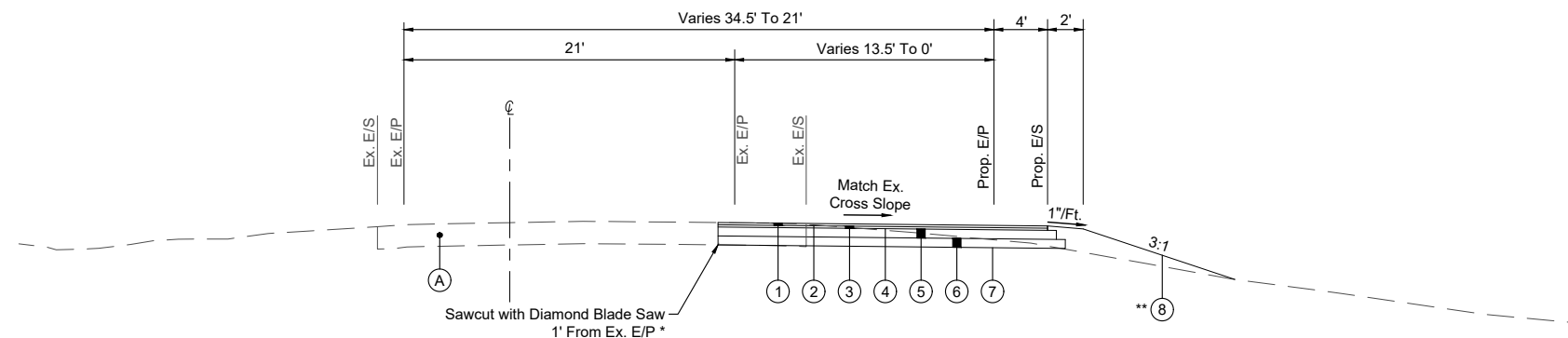
LAYHIGH ROAD TYPICAL SECTION
 NOT TO SCALE
 STA. 101+13.00 TO STA. 108+66.74



LAYHIGH ROAD AND VENICE CROSSING INTERSECTION TYPICAL SECTION
 NOT TO SCALE
 STA. 108+66.74 TO STA. 110+33.42



LAYHIGH ROAD TYPICAL SECTION
 NOT TO SCALE
 STA. 110+33.42 TO STA. 112+30.00



LAYHIGH ROAD TYPICAL SECTION
 NOT TO SCALE
 STA. 112+30.00 TO STA. 119+73.00

LEGEND

- ① ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)
- ② ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE, 0.06 GAL/SY
- ③ ITEM 441 - 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ④ ITEM 407 - NON-TRACKING TACK COAT, 0.1 GAL/SY
- ⑤ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
- ⑥ ITEM 304 - 6" AGGREGATE BASE
- ⑦ ITEM 204 - SUBGRADE COMPACTION
- ⑧ ITEM 659 - SEEDING & MULCHING, CLASS 1
- ⑨ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1 1/2"
- Ⓐ EXISTING PAVEMENT

NOTES:

- * THE EXISTING PAVEMENT EDGE SHALL BE SAWCUT TO LOCATE A SOUND PAVEMENT EDGE PER 203.04(E) OF THE ODOT CMS.
- ** GRADING BEHIND THE PROP. E/S VARIES. SEE CROSS SECTIONS.

- ⚠ STA. 108+66.74 TO STA. 109+38.83
- ⚠ STA. 109+38.83 TO STA. 109+62.67
- ⚠ STA. 109+62.67 TO STA. 110+33.42

<p>LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS ROSS TOWNSHIP BUTLER COUNTY, OHIO</p> <p>TYPICAL SECTIONS</p>	
<p>Item 1</p>	<p>Revision Description</p>
<p>Date 04-14-20</p>	<p>Drawn: CPT</p>
<p>Checked By: MGS</p>	<p>Issue Date: 11-12-19</p>
<p>Sheet: 2/17</p>	

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GENERAL SPECIFICATION

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), DATED JANUARY 18, 2019, THE STATE OF OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) FOR STREETS AND HIGHWAYS, 2012 EDITION, THE UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OR THE LATEST REVISIONS THEREOF, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED FOR THIS PROJECT, SHALL GOVERN THIS PROJECT, EXCEPT WHERE SPECIFICALLY MODIFIED OR AS SHOWN ON THE DRAWINGS.

CONSTRUCTION SEQUENCE

PHASE ONE

CONSTRUCT ROADWAY IMPROVEMENTS ALONG THE WEST SIDE OF LAYHIGH ROAD. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF DRUMS PER MT-97.10 AND 97.11. LANE RESTRICTIONS WILL BE PERMITTED BETWEEN 9:00 AM AND 3:00 PM, MONDAY THROUGH FRIDAY.

PHASE TWO

COMPLETE SIGNAGE AND PERMANENT PAVEMENT MARKINGS. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.

ALTERNATE METHODS

IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THE INTENT OF THE ABOVE PROVISIONS IS FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. NO ALTERNATE PLAN WILL BE PUT INTO EFFECT UNTIL THE APPROVAL HAS BEEN GRANTED, IN WRITING, BY THE BUTLER COUNTY ENGINEER'S OFFICE.

MAINTENANCE OF TRAFFIC

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS, AS WELL AS IN ACCORDANCE WITH PART 6 OF THE OMUTCD. LANE CLOSURES SHALL BE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.10 AND MT-97.11. AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. LANE CLOSURES WILL NOT BE PERMITTED BETWEEN THE HOURS OF 6:00 AM AND 9:00 AM AND BETWEEN THE HOURS OF 3:00 PM AND 6:00 PM, MONDAY THROUGH FRIDAY.

ELEVATION DATUM

ALL ELEVATIONS BASED ON U.S.G.S. DATUM.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

THE PERMITTEE SHALL BE RESPONSIBLE FOR ANY AND ALL UTILITY RELOCATION ON THE PROJECT.

WITNESSES AND BENCHMARKS

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY PRIOR TO BEGINNING CONSTRUCTION TO RESET CENTERLINE CONTROL WITNESSES AND BENCHMARKS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED AS DIRECTED BY THE ENGINEER UNLESS AUTHORIZED BY THE ENGINEER.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

ELECTRIC

DUKE ENERGY
1199 NILLES ROAD
FAIRFIELD, OH 45014
ATTN: JOE ZUERNER
(513-287-4718)

CABLE

TIME WARNER CABLE
11252 CORNELL PARK DRIVE
CINCINNATI, OH 45242
ATTN: MIKE BOONE
(513-489-5000)

GAS

DUKE ENERGY
139 EAST FOURTH STREET
CINCINNATI, OH 45202
ATTN: NICK WEIL
(513-287-2088)

INSPECTIONS

THE PERMITTEE SHALL BE RESPONSIBLE FOR PAYING ANY OVERTIME REQUIRED OF THE BUTLER COUNTY ENGINEER'S OFFICE INSPECTORS ON THE PROJECT.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

ITEM 659 REPAIR SEEDING AND MULCHING	71 SQ YD
ITEM 659 COMMERCIAL FERTILIZER	0.13 TONS
ITEM 659 WATER	0.38 M GAL

WATERING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SEEDED AREAS, AS PER 659.09.

ITEM 659 WATER	7.66 M GAL
----------------	------------

ITEM 644 - THERMOPLASTIC PAVEMENT MARKING

ONLY APPLY THE THERMOPLASTIC PAVEMENT MARKING WHEN THE NEW ASPHALT SURFACE AND AIR TEMPERATURE IS PER SPECIFICATION ITEM 644.04.

ITEM 621 - RAISED PAVEMENT MARKER REMOVED, AS PER PLAN

DEPRESSION TO BE FILLED WITH ASPHALT CONCRETE.

JOINT SEAL

WHERE PROPOSED PAVEMENT IS TO BUTT THE EXISTING PAVEMENT, THE EXISTING PAVEMENT IS TO BE SAWCUT OR MILLED AND THE JOINT IS TO BE SEALED WITH A FOUR INCH WIDE STRIP OF ASPHALT CEMENT 702.01 APPLIED TO THE SURFACE OF THE JOINT. COARSE SAND SHALL BE APPLIED TO THE SEALER AFTER APPLICATION. PAYMENT SHALL INCLUDE ALL NECESSARY LABOR, EQUIPMENT, AND MATERIALS FOR THE WORK NOTED ABOVE AND SHALL BE INCLUDED WITH THE CONTRACT UNIT PRICE BID FOR ITEM 407, TACK COAT, AS PER PLAN.

SANITARY SEWER

BUTLER COUNTY WATER & SEWER
130 HIGH STREET
HAMILTON, OH 45011
ATTN: STEVE THOMPSON
(513-785-5288)

TELEPHONE

CINCINNATI BELL
221 E. 4TH STREET, 121-900
P.O. BOX 2301
CINCINNATI, OH 45201
ATTN: DAN SPRINGELMEYER
(513-397-7165)

WATER

SOUTHWEST REGIONAL
WATER DISTRICT
3640 OLD OXFORD ROAD
HAMILTON, OH 45013
ATTN: THOMAS PUCKETT
(513-896-3350)

CROSSINGS AND CONNECTIONS TO EXISTING PIPE AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE COUNTY, REPRESENTATIVES OF THE COUNTY AND CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE COUNTY.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE COUNTY.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

ITEM 623 - CONSTRUCTION LAYOUT STAKES

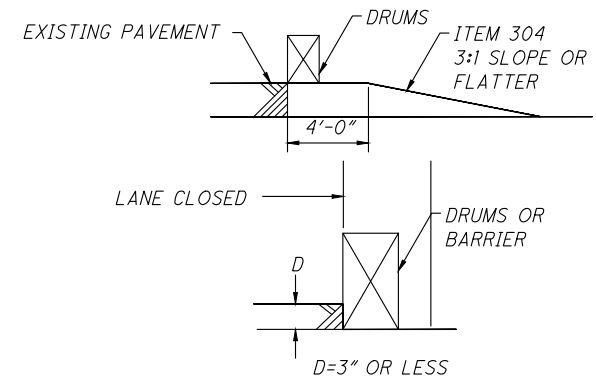
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH AND VERIFY THE LAYOUT AND THE GRADES OF ALL SECTIONS OF THE PROJECT. THE CONTRACTOR SHALL FURNISH AND PLACE ALL ADDITIONAL STAKES FOR THIS PROJECT TO SECURE A CORRECT LAYOUT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE FINISH WORK CONFORM TO THE LINE, GRADES, ELEVATIONS, AND DIMENSIONS CALLED FOR IN THE PLANS. ONCE THE CENTERLINE HAS BEEN STAKED, THE CONTRACTOR SHALL CONTACT THE BUTLER COUNTY ENGINEER'S OFFICE TO INSPECT THE LAYOUT PRIOR TO CONSTRUCTION. PAYMENT FOR THIS ITEM WILL BE THE LUMP SUM BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT ADJACENT TO LAYHIGH ROAD TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT, UNLESS OTHERWISE NOTED.

DROP-OFF IN WORK ZONES

DROP-OFFS ADJACENT TO TRAVELED LANES AFTER EXCAVATION BUT BEFORE PLACEMENT OF ITEM 304.



GENERAL NOTES

- IT IS INTENDED THAT THIS DETAIL BE USED FOR TREATMENT OF DROP-OFFS THAT DEVELOP DURING CONSTRUCTION OPERATIONS, AND THAT ARE NOT OTHERWISE PROVIDED FOR IN THE CONSTRUCTION PLANS.
- THE NEED FOR CERTAIN ADVISORY SIGNING IS REQUIRED TO ADVISE OR WARN MOTORISTS, AND ALL REQUIREMENTS OF THE OMUTCD MUST BE FULFILLED.
- IN URBAN OR OTHER HEAVILY DEVELOPED AREAS WHERE PEDESTRIANS AND/OR BICYCLISTS MAY BE PRESENT IN SIGNIFICANT NUMBERS, ADDITIONAL SIGNING AND PROTECTIVE MEASURES OTHER THAN THOSE SHOWN HEREON MAY BE REQUIRED.
- WHEN DRUMS ARE SPECIFIED FOR A DROP-OFF CONDITION, A MINIMUM NUMBER OF FOUR (4) DRUMS SHALL BE USED. SPACING SHALL BE AS INDICATED IN THE PLANS OR AS SPECIFIED IN THE OMUTCD.

BENCHMARK #1

MAG NAIL LOCATED ON LAYHIGH ROAD APPROXIMATELY 43' NORTH EAST OF THE SANITARY MAN HOLE ON THE WEST SIDE OF LAYHIGH ROAD.

STA. 103+82.98, 8.98' LT.
N=489085.181'
E=1360126.446'
ELEVATION = 577.78 (NAVD 88)

BENCHMARK #2

SPIKE LOCATED AT THE INTERSECTION OF LAYHIGH ROAD AND SCHOOL ROAD APPROXIMATELY 63' SOUTH WEST OF THE GAS BOX ON THE EAST SIDE OF LAYHIGH ROAD.

STA. 117+61.36, 1.70' RT.
N=487705.848'
E=1360097.525'
ELEVATION = 572.96 (NAVD 88)

Item	Revision Description	Date	Drawn	Checked
1	Revised per BCEE comments	04-14-20	CPT	EMR

**LAYHIGH ROAD
AT VENICE CROSSING
ROADWAY IMPROVEMENTS**

ROSS TOWNSHIP
BUTLER COUNTY, OHIO

GENERAL SUMMARY

**bayer
becker**

www.bayerbecker.com
6900 Tylersville Road, Suite A
Mason, OH 45040 - 513.336.6600

13M

Drawing: 0000 GEN NOTES & GEN SUM
Drawn by: STC
Checked By: CPT
Issue Date: 11-12-19
Sheet: **3/17**

Plot time: Apr 14, 2020 - 3:08pm
 Drawing name: C:\Users\christi\Documents\Venice Crossing\Layout\High Rd113\1074-000 Gen Notes & Gen Sum.dwg - Layout Tab: 04 Gen Sum

ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	REF. SHT.	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	REF. SHT.
<i>ROADWAY</i>											
201		LUMP	LUMP	CLEARING AND GRUBBING							
202		42	FT	CURB REMOVED							
202		52	FT	PIPE REMOVED, 24" AND UNDER							
202		2	EACH	HEADWALL REMOVED							
202		510	SQ YD	PAVEMENT REMOVED							
203		848	CU YD	EXCAVATION							
203		149	CU YD	EMBANKMENT							
204		2750	SQ YD	SUBGRADE COMPACTION							
252		1781	FT	FULL DEPTH PAVEMENT SAWING							
<i>EROSION CONTROL</i>											
659		1417	SQ YD	SEEDING AND MULCHING, CLASS 1							
659		71	SQ YD	REPAIR SEEDING AND MULCHING							
659		0.13	TON	COMMERCIAL FERTILIZER							
659		7.66	MGAL	WATER							
<i>PAVEMENT</i>											
254		277	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE							
301		442	CU YD	ASPHALT CONCRETE BASE, PG 64-22							
304		458	CU YD	AGGREGATE BASE							
407		423	GAL	NON-TRACKING TACK COAT							
441		118	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)							
441		106	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)							
609		20	FT	COMBINATION CURB AND GUTTER, TYPE 3							
<i>DRAINAGE</i>											
602		0.33	CU YD	CONCRETE MASONRY							
<i>TRAFFIC CONTROL</i>											
621		29	EACH	RPM							
621		5	EACH	RAISED PAVEMENT MARKER REMOVED							
630		78	FT	GROUND MOUNTED SUPPORT, NO. 3 POST							
630		38	SQ FT	SIGN, FLAT SHEET							
630		3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION							
630		2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL							
642		0.07	MILE	REMOVAL OF PAVEMENT MARKING							
644		0.34	MILE	EDGE LINE, 4"							
644		0.41	MILE	CENTERLINE, 4"							
644		205	FT	CHANNELIZING LINE, 8"							
644		415	FT	TRANSVERSE/DIAGONAL LINE							
644		57	SQ FT	ISLAND MARKING							
644		3	EACH	LANE ARROW							
<i>MISCELLANEOUS</i>											
614		LUMP	LUMP	MAINTAINING TRAFFIC							
623		LUMP	LUMP	CONSTRUCTION LAYOUT STAKES							
624		LUMP	LUMP	MOBILIZATION							

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Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT

LAYHIGH ROAD
AT VENICE CROSSING
ROADWAY IMPROVEMENTS

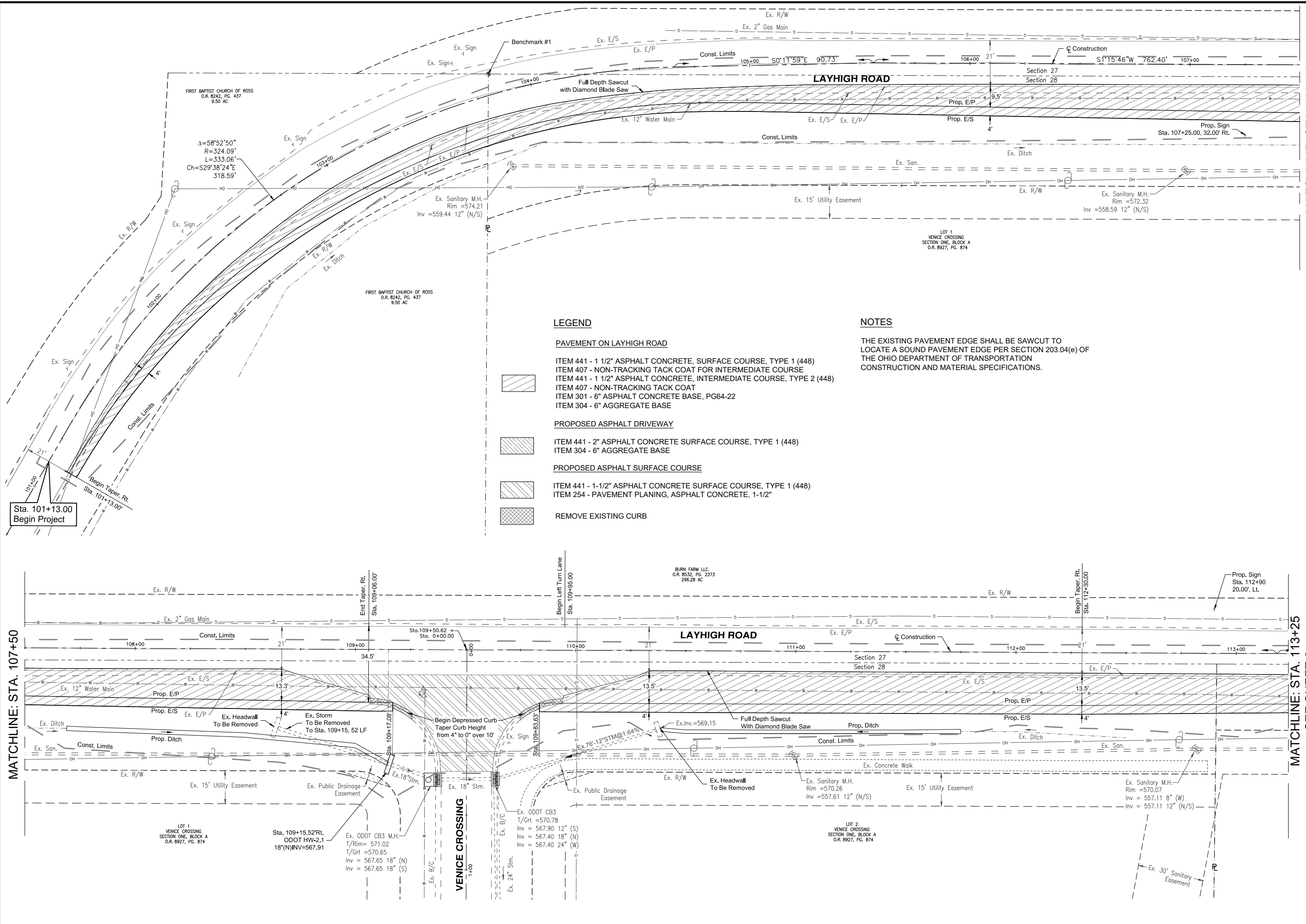
ROSS TOWNSHIP
 BUTLER COUNTY, OHIO

GENERAL SUMMARY

www.bayerbecker.com
 6900 Tylersville Road, Suite A
 Mason, OH 45040 - 513.336.6600

Drawing: 000 GEN NOTES & GEN SUM	13M
Drawn by: MGS	
Checked By: CPT	
Issue Date: 11-12-19	
Sheet: 4/17	

Plot time: Apr 14, 2020 - 3:11pm
 Drawing name: C:\Users\christi\Documents\Venice Crossing\Layhigh R013M074-000 Plan.dwg - Layout Tab. 5 Plan



Sta. 101+13.00
Begin Project

MATCHLINE: STA. 107+50

MATCHLINE: STA. 113+25
SEE SHEET 6

LEGEND

PAVEMENT ON LAYHIGH ROAD

- ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (448)
- ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE
- ITEM 441 - 1 1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2 (448)
- ITEM 407 - NON-TRACKING TACK COAT
- ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
- ITEM 304 - 6" AGGREGATE BASE

PROPOSED ASPHALT DRIVEWAY

- ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448)
- ITEM 304 - 6" AGGREGATE BASE

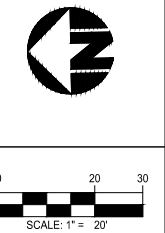
PROPOSED ASPHALT SURFACE COURSE

- ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448)
- ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1-1/2"
- REMOVE EXISTING CURB

NOTES

THE EXISTING PAVEMENT EDGE SHALL BE SAWCUT TO LOCATE A SOUND PAVEMENT EDGE PER SECTION 203.04(e) OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

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Item	Revision Description	Date	Drawn	CHK
1	Revised per BGEEO Comments	04-14-20	CPT	EMR

**LAYHIGH ROAD
AT VENICE CROSSING
ROADWAY IMPROVEMENTS**
 ROSS TOWNSHIP
 BUTLER COUNTY, OHIO
 ROADWAY PLAN



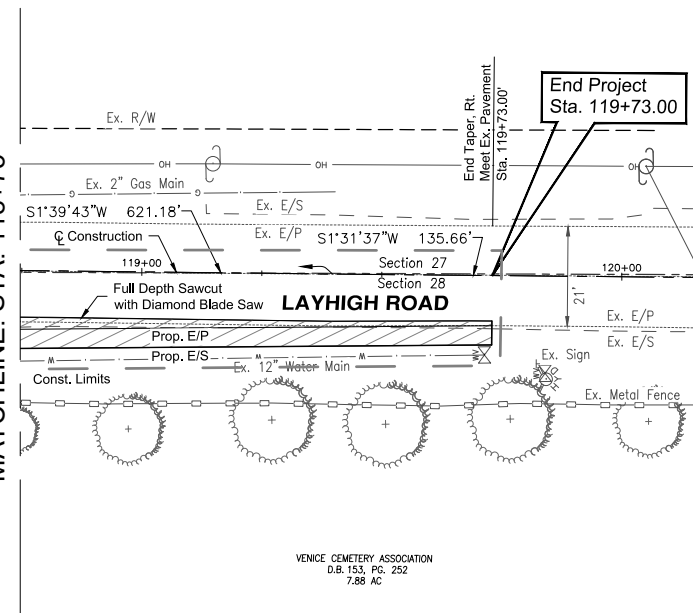
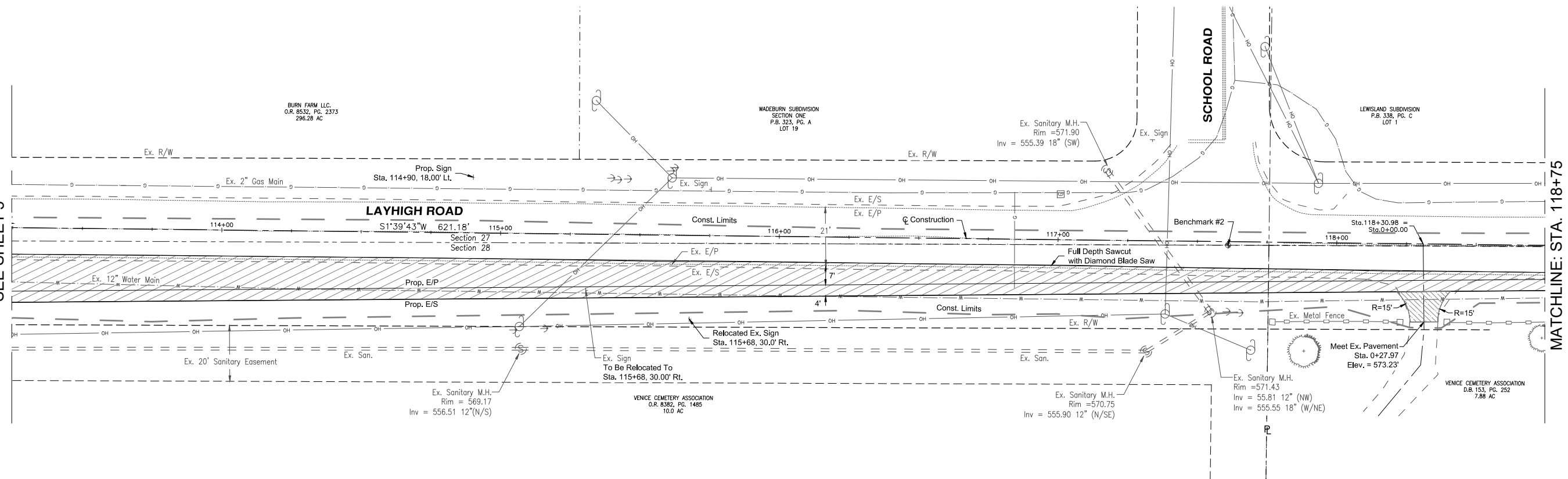
Drawing: 13M074-000 PLAN
 Drawn by: MGS
 Checked By: CPT
 Issue Date: 11-12-19

Sheet: **5/17**

Plot time: Apr 14, 2020 - 3:17pm
 Drawing name: C:\Users\chrishtch\Documents\Venice Crossing\Layhigh\13M074-000 Plan.dwg - Layout Tab. 6 Plan

MATCHLINE: STA. 113+25
 SEE SHEET 5

MATCHLINE: STA. 118+75



LEGEND

PAVEMENT ON LAYHIGH ROAD

- ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (448)
- ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE
- ITEM 441 - 1 1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2 (448)
- ITEM 407 - NON-TRACKING TACK COAT
- ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22
- ITEM 304 - 6" AGGREGATE BASE

PROPOSED ASPHALT DRIVEWAY

- ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448)
- ITEM 304 - 6" AGGREGATE BASE

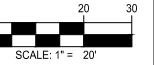
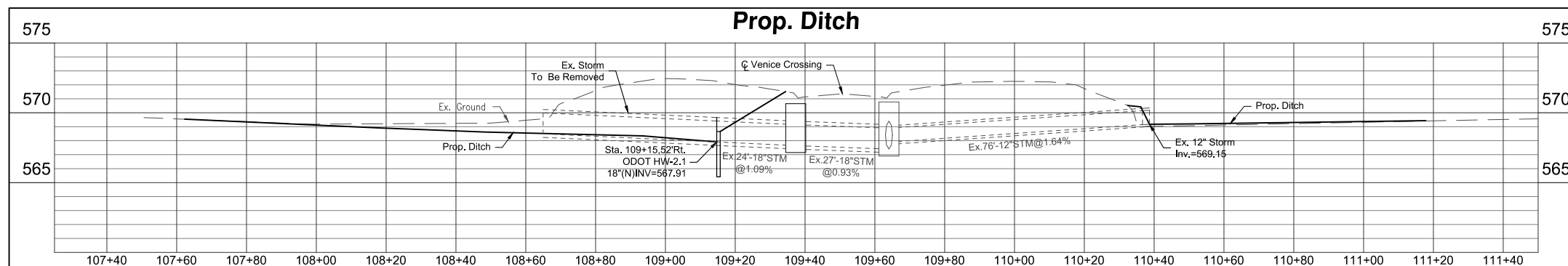
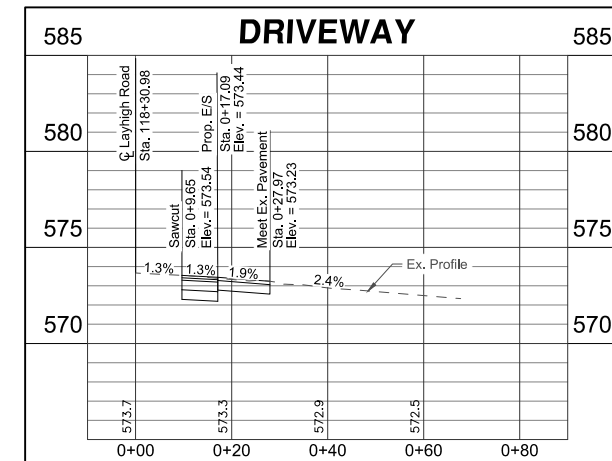
PROPOSED ASPHALT SURFACE COURSE

- ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448)
- ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1-1/2"

REMOVE EXISTING CURB

NOTES

THE EXISTING PAVEMENT EDGE SHALL BE SAWCUT TO LOCATE A SOUND PAVEMENT EDGE PER SECTION 203.04(e) OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.



Item	Revision Description	Date	Drawn	CHK
1	Revised per BCEE Comments	04-14-20	CPT	EMR

**LAYHIGH ROAD
 AT VENICE CROSSING
 ROADWAY IMPROVEMENTS**
 ROSS TOWNSHIP
 BUTLER COUNTY, OHIO
 ROADWAY PLAN

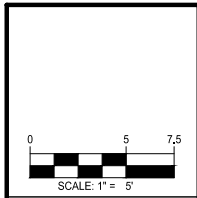
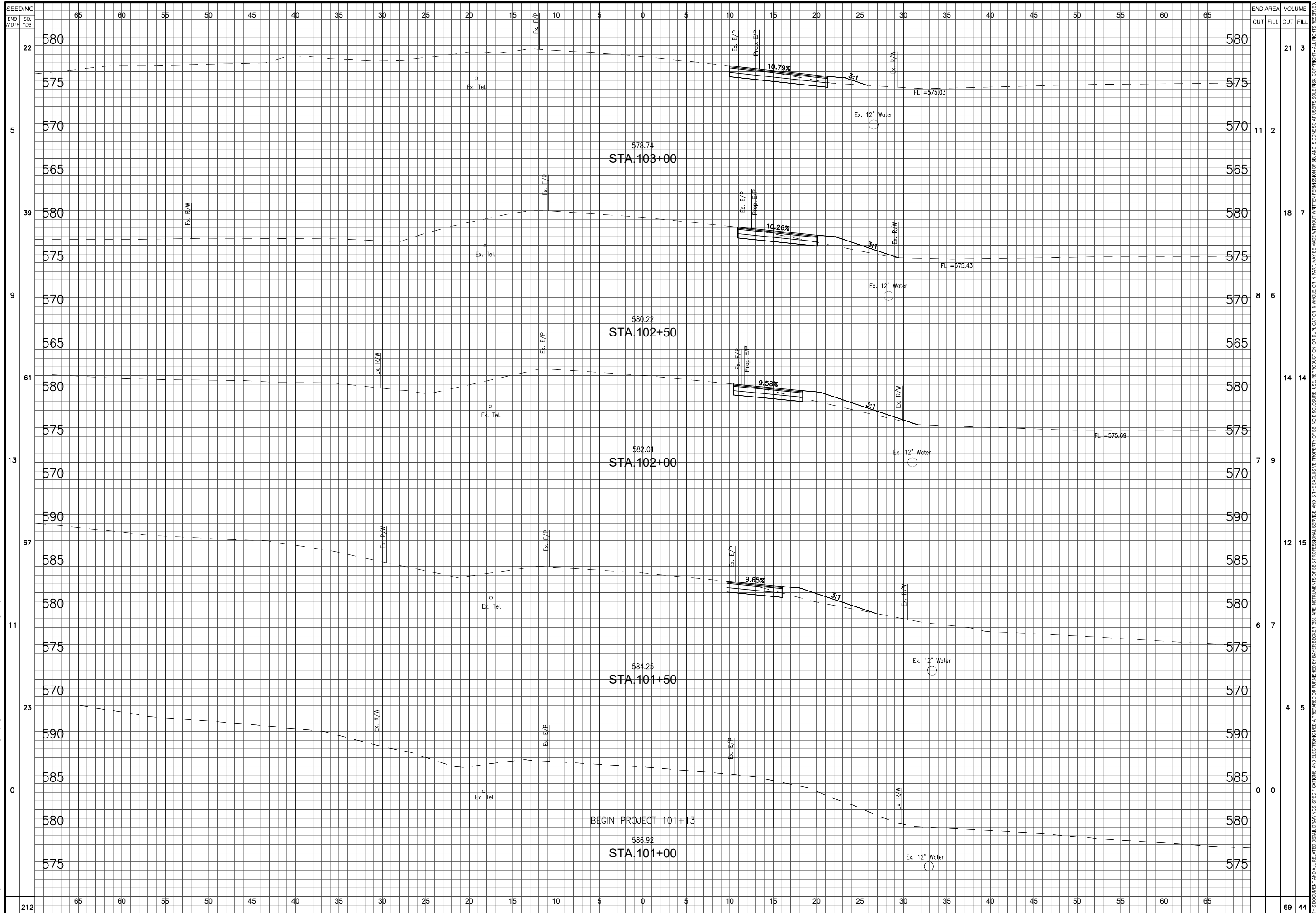


Drawing: 13M074-000 PLAN
 Drawn by: MGS
 Checked By: CPT
 Issue Date: 11-12-19
 Sheet:

6/17

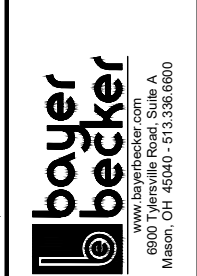
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Plot time: Apr 14, 2020 - 3:31pm
 Drawing name: C:\Users\chris\Documents\Venice Crossing\Layhigh R0113\074-000 Cross Sections.dwg - Layout Tab: 7 101+00



Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT

**LAYHIGH ROAD
 AT VENICE CROSSING
 ROADWAY IMPROVEMENTS**
 ROSS TOWNSHIP
 BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 101+00 TO STA. 103+00

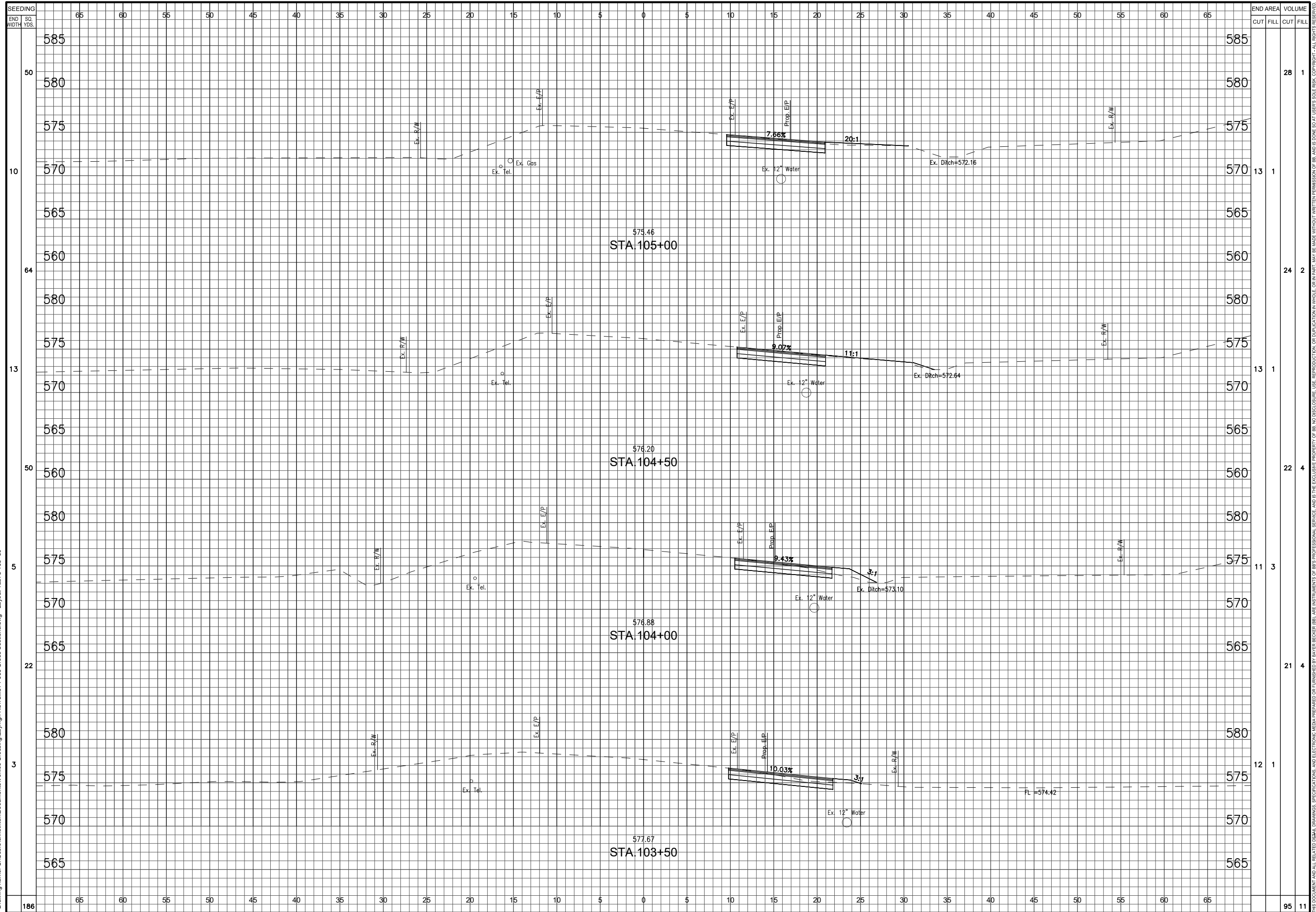


Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19
Sheet:	7/17

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212 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 69 44

Plot time: Apr 14, 2020 - 3:32pm
 Drawing name: C:\Users\christi\Documents\Venice Crossing\Layhigh R0113\074-000 Cross Sections.dwg - Layout Tab: 8 103+50



SEEDING		END AREA		VOLUME	
END SO. WIDTH	YDS.	CUT	FILL	CUT	FILL
65	585				
60	580	28	1		
55	575				
50	570	13	1		
45	565				
40	560	24	2		
35	580				
30	575				
25	570	13	1		
20	565				
15	560	22	4		
10	580				
5	575	11	3		
0	570				
5	565	21	4		
10	580				
15	575				
20	570	12	1		
25	565				
30	580				
35	575				
40	570				
45	565				
50	585				
55	580				
60	575				
65	570				
65	565	95	11		

Item	Revision Description
1	Revised per BCEE comments

Date	04-14-20
Drwn:	CPT
Chk:	EUR

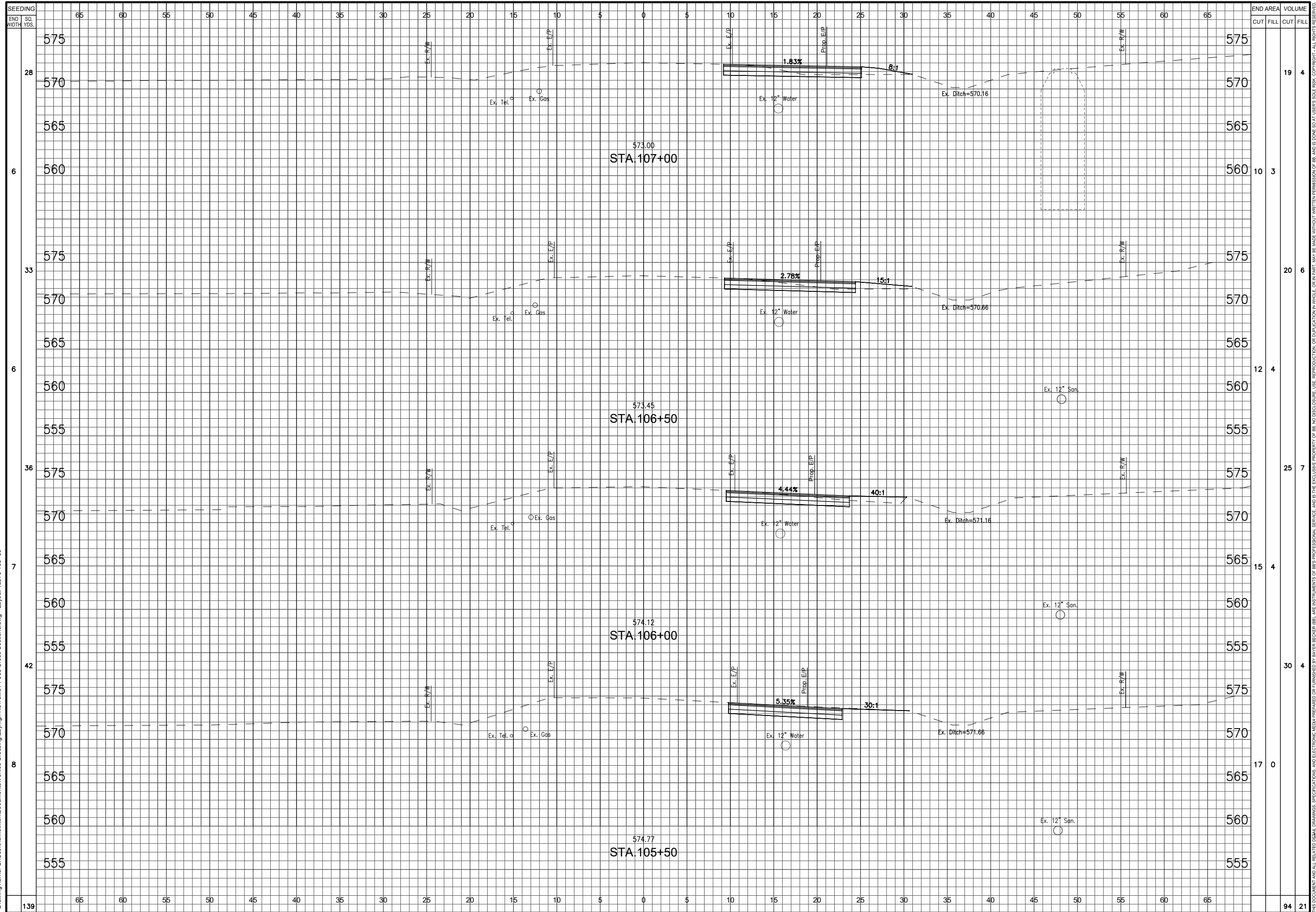
LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS
 ROSS TOWNSHIP
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 CROSS SECTIONS - STA. 103+50 TO STA. 105+00

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Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19

Sheet: **8/17**

Plot time: Apr 14, 2020 - 3:34pm
 Drawing name: C:\Users\chrisfitch\Documents\Venice Crossing\Layhigh R0113M074-000 Cross Sections.dwg - Layout Tab: 9 105-50



SEEDING
 END SO. WIDTH YDS.

END AREA VOLUME
 CUT FILL CUT FILL

0 5 7.5
 SCALE: 1" = 5'

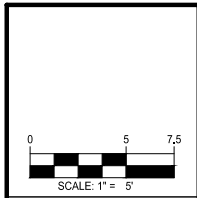
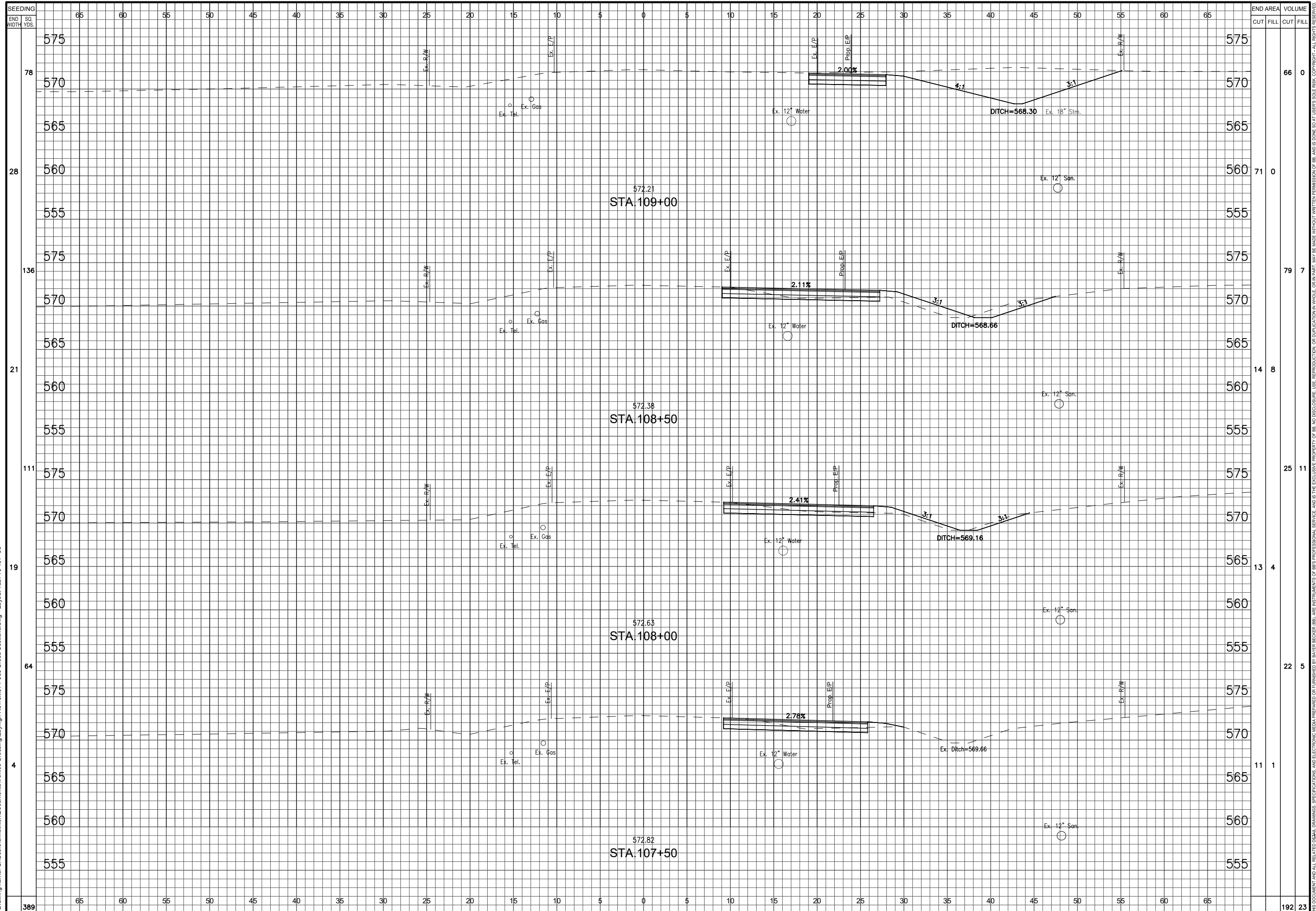
Item	Revision Description	Date	Chk
1	Revised per BCEE Comments	04-14-20	CPT

LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS
 ROSS TOWNSHIP BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 105+50 TO STA. 107+00

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Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19
Sheet:	9/17

Plot time: Apr 14, 2020 - 3:35pm
 Drawing name: C:\Users\chris\Documents\Venice Crossing\Layout\High R0113\074-000 Cross Sections.dwg - Layout Tab: 10 107+50



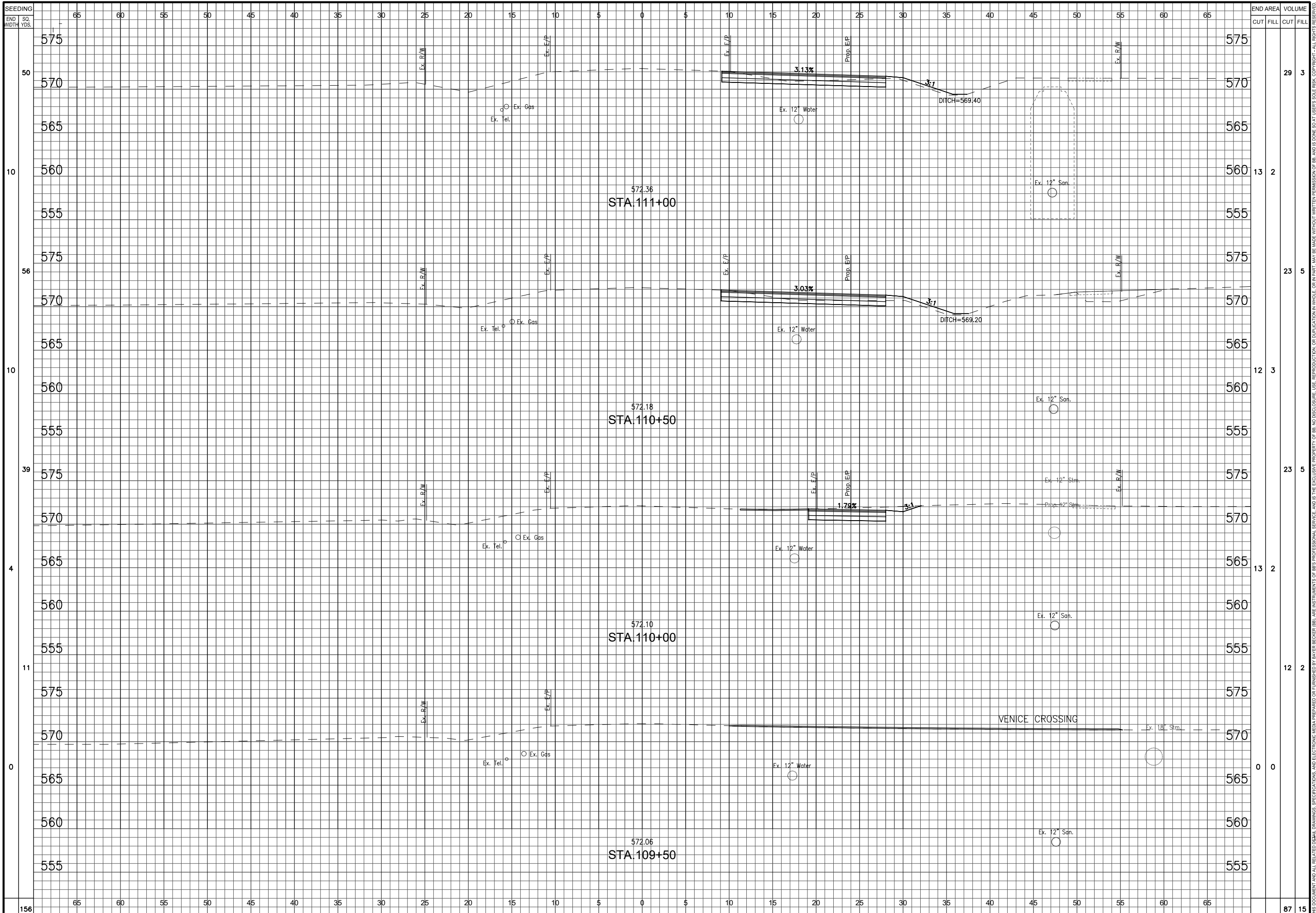
Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT

**LAYHIGH ROAD
 AT VENICE CROSSING
 ROADWAY IMPROVEMENTS**
 ROSS TOWNSHIP
 BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 107+50 TO STA. 109+00

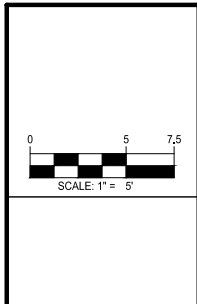
Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19
Sheet:	10/17

END AREA	VOLUME	
	CUT	FILL
78	66	0
28	71	0
136	79	7
21	14	8
111	25	11
19	13	4
64	22	5
4	11	1
389	192	23

Plot time: Apr 14, 2020 - 3:36pm
 Drawing name: C:\Users\chrishtch\Documents\Venice Crossing\Layhigh R0113M074-000 Cross Sections.dwg - Layout Tab: 11 109+50



END AREA	VOLUME	
	CUT	FILL
575		
570	29	3
565		
560	13	2
555		
575		
570	23	5
565		
560	12	3
555		
575		
570	23	5
565		
560	13	2
555		
575		
570	12	2
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560		
555		
575		
570		
565		
560		
555		
575	87	15

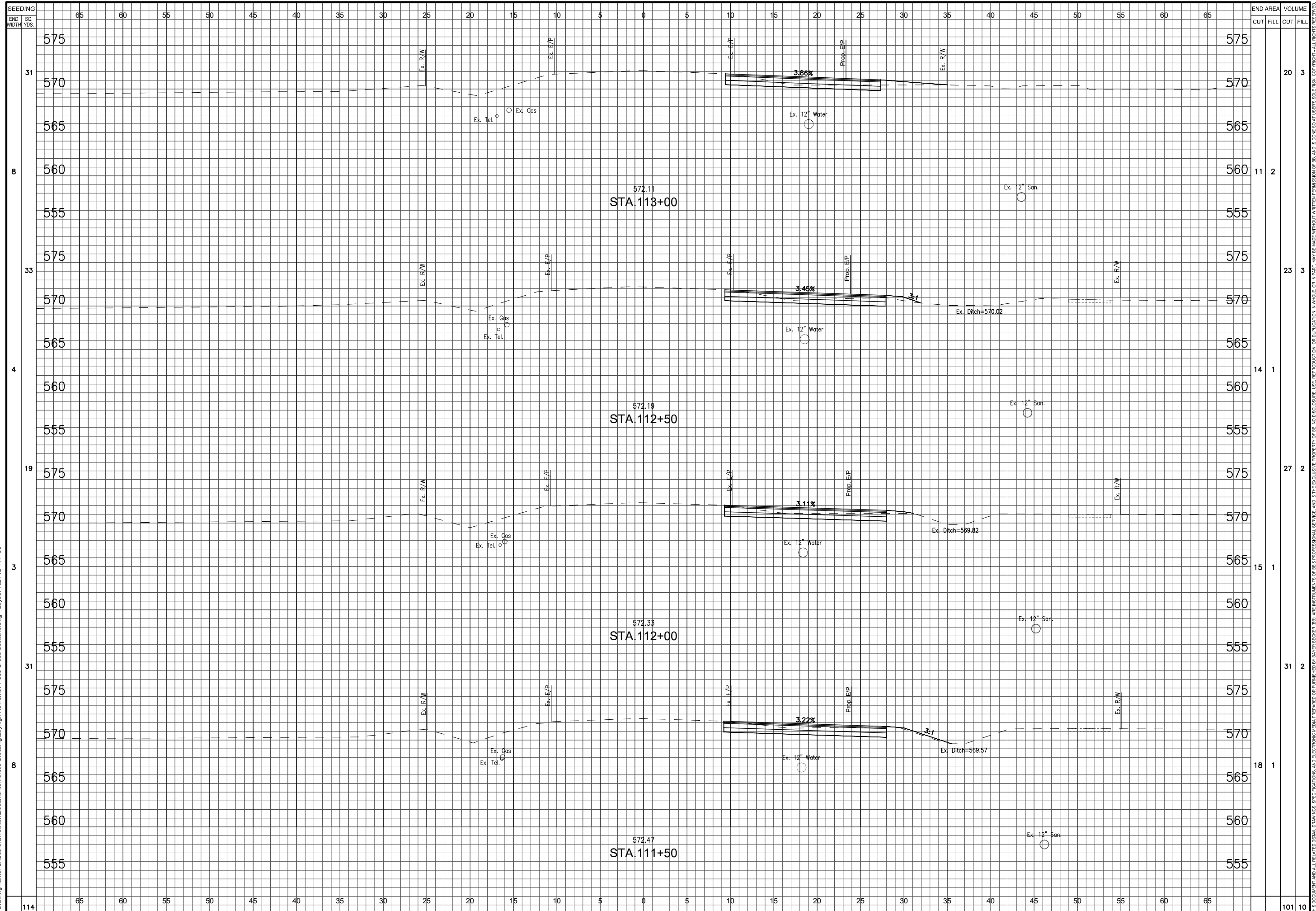


Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT

**LAYHIGH ROAD
 AT VENICE CROSSING
 ROADWAY IMPROVEMENTS**
 ROSS TOWNSHIP
 BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 109+50 TO STA. 111+00

Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19
Sheet:	11/17

Plot time: Apr 14, 2020 - 3:37pm
 Drawing name: C:\Users\chrisfitch\Documents\Venice Crossing\Layhigh\013\074-000 Cross Sections.dwg - Layout Tab: 12 111+50



SEEDING		END AREA		VOLUME	
END SO. WIDTH YDS.		CUT	FILL	CUT	FILL
31	575			20	3
	570				
8	565			11	2
	560				
	555				
33	575			23	3
	570				
4	565			14	1
	560				
	555				
19	575			27	2
	570				
3	565			15	1
	560				
	555				
31	575			31	2
	570				
8	565			18	1
	560				
	555				
114	575			101	10
	570				
	565				
	560				
	555				

0 5 7.5
SCALE: 1" = 5'

Item	Revision Description
1	Revised per BCEE comments

Date	04-14-20
Drwn:	CPT
Chk:	EMR

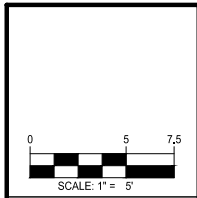
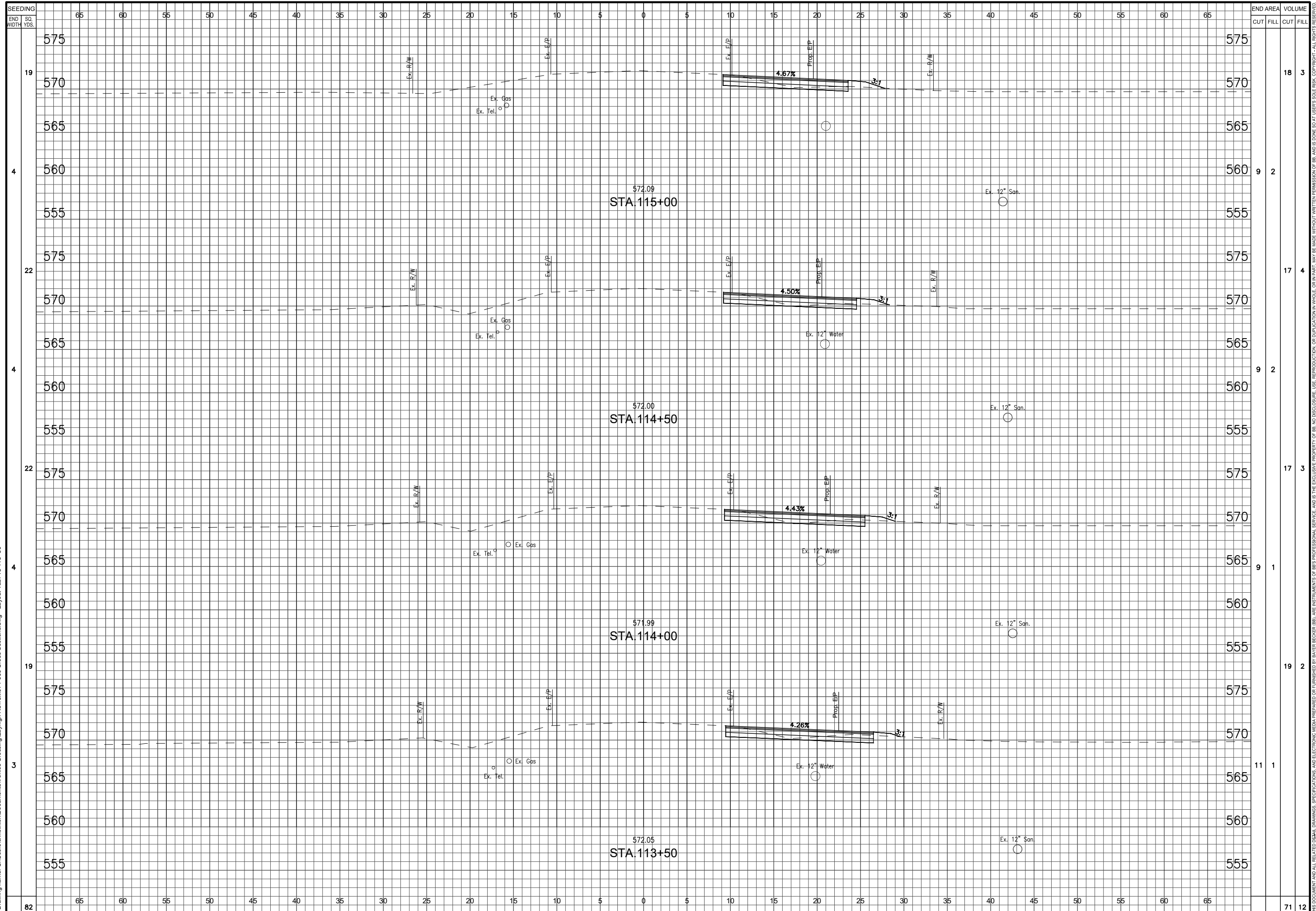
LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS
 ROSS TOWNSHIP BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 111+50 TO STA. 113+00

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Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19

12/17

Plot time: Apr 14, 2020 - 3:38pm
 Drawing name: C:\Users\christi\Documents\Venice Crossing\Layout\High R0113M074-000 Cross Sections.dwg - Layout Tab: 13 113+50



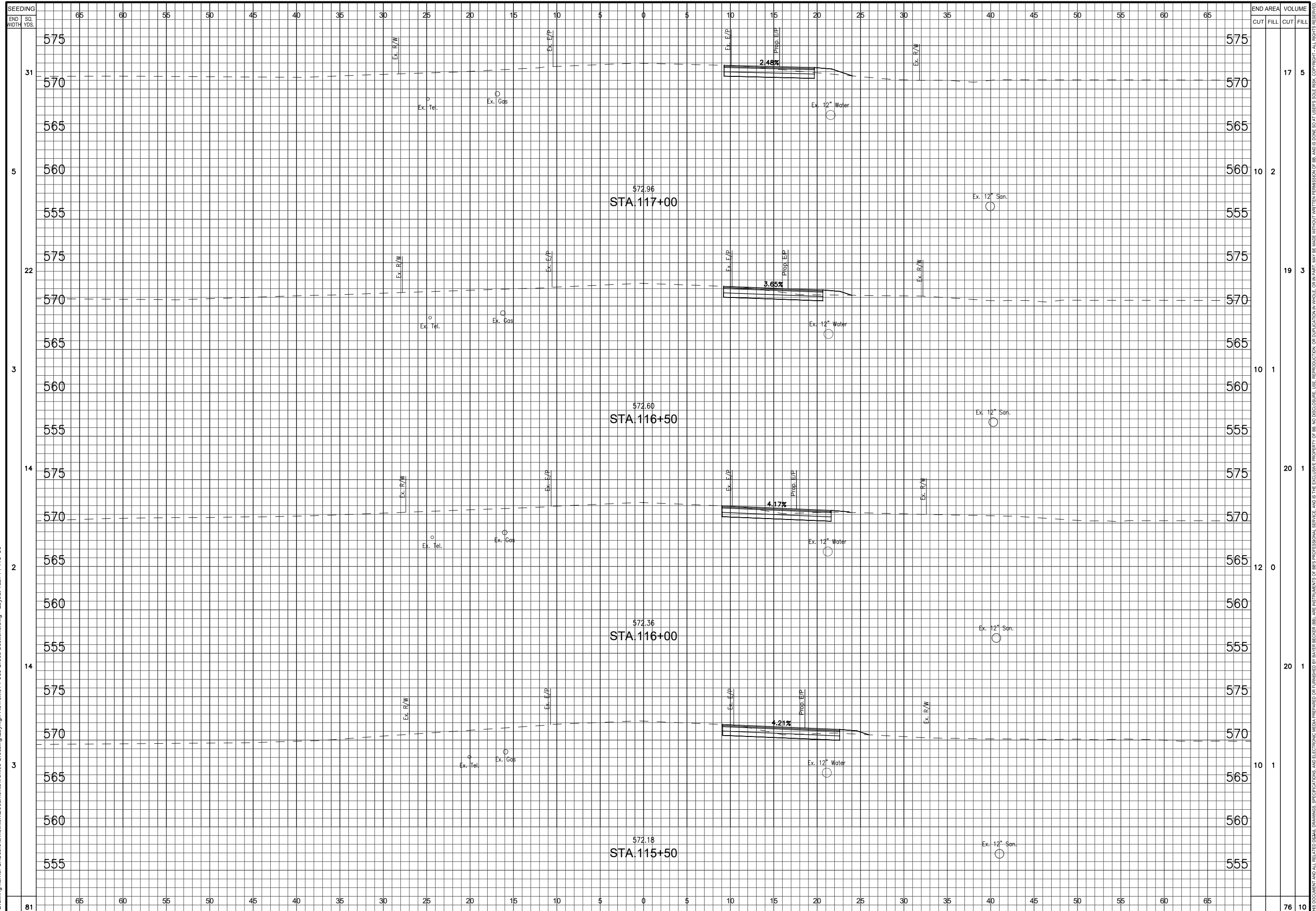
Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT

**LAYHIGH ROAD
 AT VENICE CROSSING
 ROADWAY IMPROVEMENTS**
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 CROSS SECTIONS - STA. 113+50 TO STA. 115+00

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Drawing:	M074-000 CROSS SECTIONS
Drawn by:	STC
Checked By:	CPT
Issue Date:	11-12-19
Sheet:	13/17

Plot time: Apr 14, 2020 - 3:39pm
 Drawing name: C:\Users\christi\Documents\Venice Crossing\Layhigh\13M074-000 Cross Sections.dwg - Layout Tab: 14 115+50



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
575				
570			17	5
565				
560			10	2
555				
575			19	3
570				
565			10	1
560				
555			20	1
575				
570			12	0
565				
560			20	1
555				
575				
570			10	1
565				
560				
555				
81			76	10

0 5 7.5
SCALE: 1" = 5'

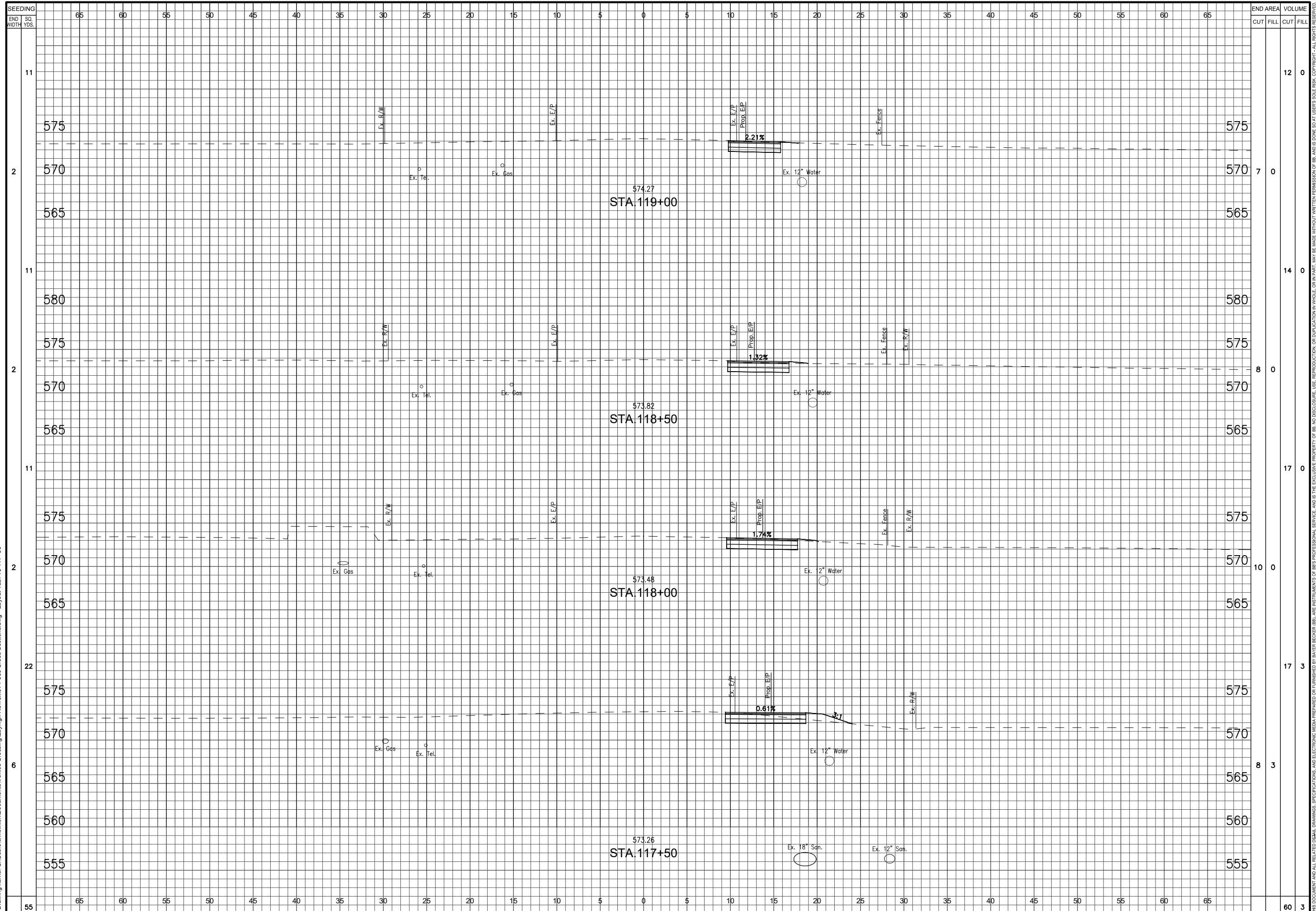
Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT

LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS
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 CROSS SECTIONS - STA. 115+50 TO STA. 117+00

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Drawing: M074-000 CROSS SECTIONS	
Checked By:	STC
Issue Date:	11-12-19
Sheet: 14/17	

Plot time: Apr 14, 2020 - 3:40pm
 Drawing name: C:\Users\christi\Documents\Venice Crossing\Layhigh R0113M074-000 Cross Sections.dwg - Layout Tab: 15 117+50



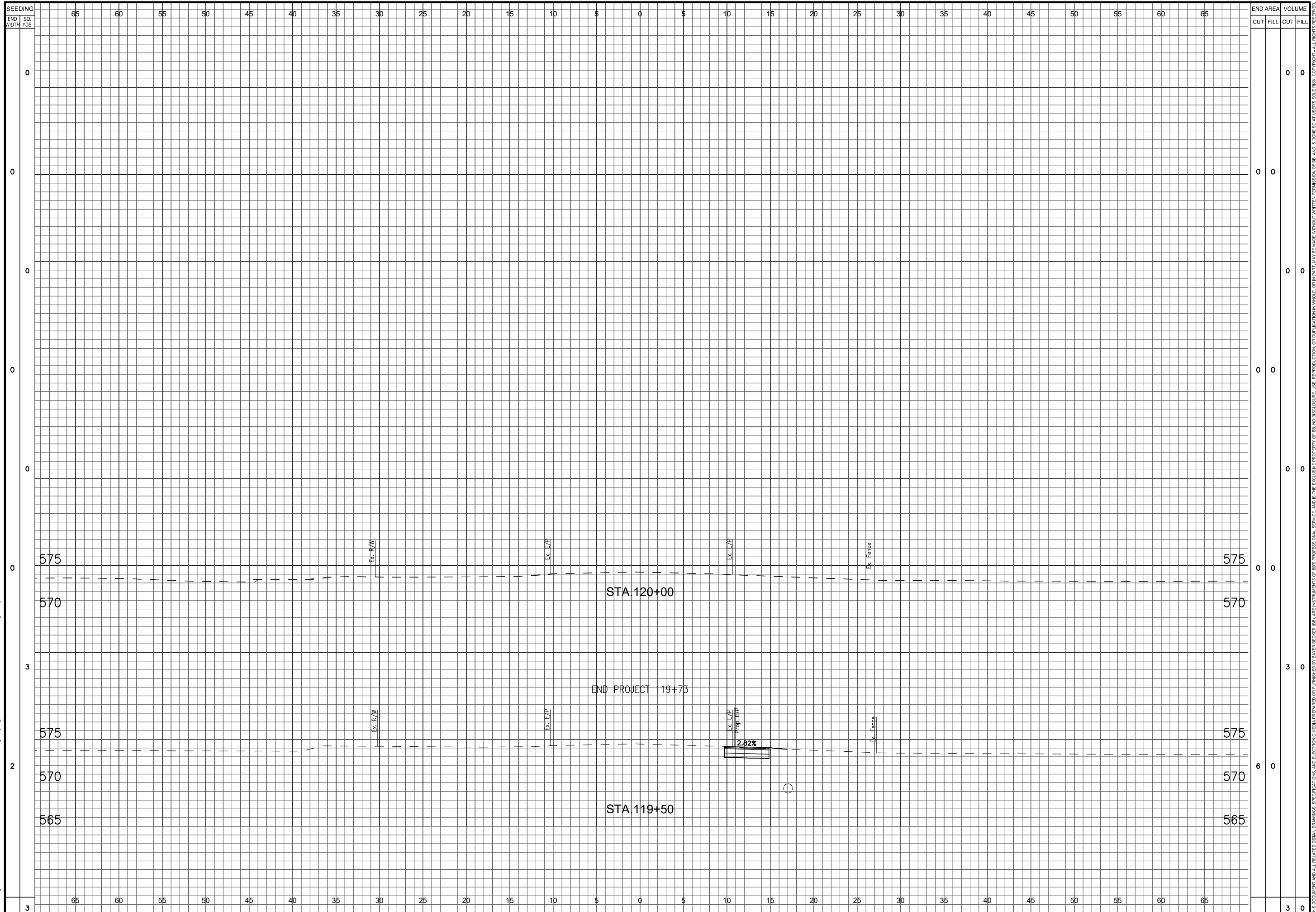
SEEDING		END AREA		VOLUME	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL
11	575			12	0
2	570			7	0
11	580			14	0
2	575			8	0
11	575			17	0
2	570			10	0
22	575			17	3
6	570			8	3
55	555			60	3

Item	REVISION	Revision Description	Date	Drwn:	Chk:
1			04-14-20	CPT	EMR

LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS
 ROSS TOWNSHIP BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 117+50 TO STA. 119+00

Drawing: M074-000 CROSS SECTIONS	
Drawn by: STC	
Checked By: CPT	
Issue Date: 11-12-19	
Sheet: 15/17	

Plot time: Apr 14, 2020 - 3:41pm
 Drawing name: C:\Users\chris\Documents\Venice Crossing\Layout\High Rail\3\074-000 Cross Sections.dwg - Layout Tab: 16 119+50

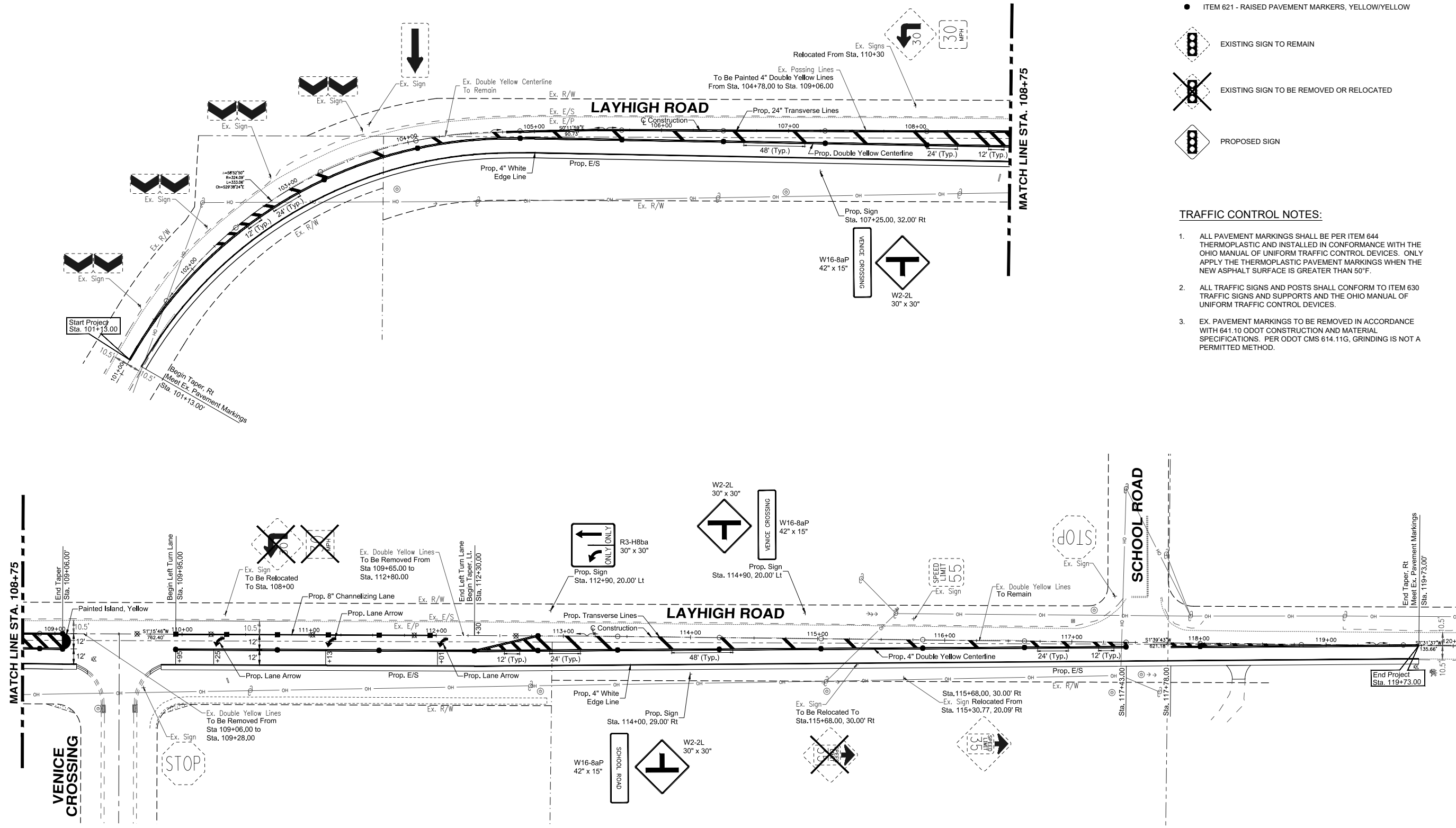


Item	Revision Description	Date	Chk
1	Revised per BCEE comments	04-14-20	CPT EHR

LAYHIGH ROAD AT VENICE CROSSING ROADWAY IMPROVEMENTS
 ROSS TOWNSHIP BUTLER COUNTY, OHIO
 CROSS SECTIONS - STA. 119+50 TO STA. 120+00

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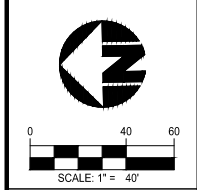
Drawing: M074-000 CROSS SECTIONS
 Drawn by: STC
 Checked By: CPT
 Issue Date: 11-12-19
 Sheet: **16/17**



- LEGEND:**
- EXISTING RAISED PAVEMENT MARKERS
 - ⊗ EXISTING RAISED PAVEMENT MARKERS TO BE REMOVED
 - ITEM 621 - RAISED PAVEMENT MARKERS, WHITE/RED
 - ITEM 621 - RAISED PAVEMENT MARKERS, YELLOW/YELLOW

- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED OR RELOCATED
- PROPOSED SIGN

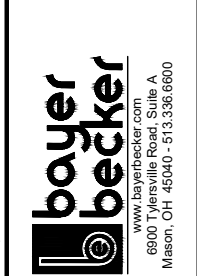
- TRAFFIC CONTROL NOTES:**
1. ALL PAVEMENT MARKINGS SHALL BE PER ITEM 644 THERMOPLASTIC AND INSTALLED IN CONFORMANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ONLY APPLY THE THERMOPLASTIC PAVEMENT MARKINGS WHEN THE NEW ASPHALT SURFACE IS GREATER THAN 50°F.
 2. ALL TRAFFIC SIGNS AND POSTS SHALL CONFORM TO ITEM 630 TRAFFIC SIGNS AND SUPPORTS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 3. EX. PAVEMENT MARKINGS TO BE REMOVED IN ACCORDANCE WITH 641.10 ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. PER ODOT CMS 614.11G, GRINDING IS NOT A PERMITTED METHOD.



Item	Revision Description	Date	Drwn:	Chk:
1	Revised per B2ECO Comments	04-14-20	CPT	EMR

**LAYHIGH ROAD
 AT VENICE CROSSING
 ROADWAY IMPROVEMENTS**
 ROSS TOWNSHIP
 BUTLER COUNTY, OHIO

TRAFFIC CONTROL PLAN



Drawing:	1074-000 TRAFFIC CONTROL
Drawn by:	MGS
Checked By:	CPT
Issue Date:	11-12-19
Sheet:	17/17