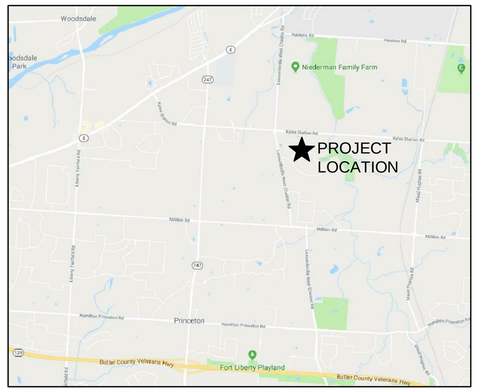


VICINITY MAP

NOT TO SCALE

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

SUBDIVISION CONSTRUCTION DRAWINGS
APPROVED
EJP 08/10/2018

2016 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' WESTBOUND LEFT TURN LANE ON KYLES STATION ROAD AT SHANNON RIDGE BOULEVARD.

LINE DATA

BEGIN ROADWAY PROJECT:	STA. 6+32.35
END ROADWAY PROJECT:	STA. 24+72.35
LENGTH OF ROADWAY PROJECT:	1840 LIN. FT. OR 0.348 MILES
LEGAL SPEED LIMIT:	
KYLES STATION ROAD	55 MPH

SCALE IN FEET

PLAN & INTERSECTION DETAILS: 0 20 40 — SCALE: 1" = 20'

CROSS SECTIONS: HORIZONTAL 0 5 7.5 — SCALE: 1" = 5'

VERTICAL 0 5 7.5 — SCALE: 1" = 5'

PROFILES: HORIZONTAL 0 20 30 — SCALE: 1" = 20'

VERTICAL 0 5 7.5 — SCALE: 1" = 5'

TRAFFIC CONTROL PLAN: 0 20 30 — SCALE: 1" = 20'

INDEX OF SHEETS

TITLE SHEET	1
TYPICAL SECTIONS	2
GENERAL NOTES & GENERAL SUMMARY	3
ROADWAY PLAN	4-5
CROSS SECTIONS	6-14
TRAFFIC CONTROL PLAN	15-16

OWNER/DEVELOPER

KYLES LAND DEVELOPMENT LLC
4166 TONYA TRAIL
HAMILTON, OHIO 45011
PH: (513) 813-5595

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			
SPEC. NO.	DATE	SPEC. NO.	DATE
800	04/20/18		
832	01/17/14		
SPECIAL PROVISIONS			
GEOTECHNICAL REPORT DATED 08/09/17			

STANDARD CONSTRUCTION DRAWINGS

DRAWING 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	DRAWING NO.	DATE
BP-3.1	07/18/14	TC-41.40	10/18/13																
BP-4.1	07/19/13	TC-42.20	10/18/13																
BP-5.1	07/19/13	TC-52.10	10/18/13																
BP-7.1	07/18/14	TC-52.20	01/19/18																
DM-4.4	01/15/16	TC-71.10	01/19/18																
MT-97.10	07/18/14																		
MT-97.11	01/20/17																		
MT-101.90	07/21/17																		
MT-105.10	07/19/13																		
TC-41.20	10/18/13																		

Item	Revision Description	Date	Drwn.	Chk.
1	REVISED PER BCEO COMMENTS	08-08-18	KMD	

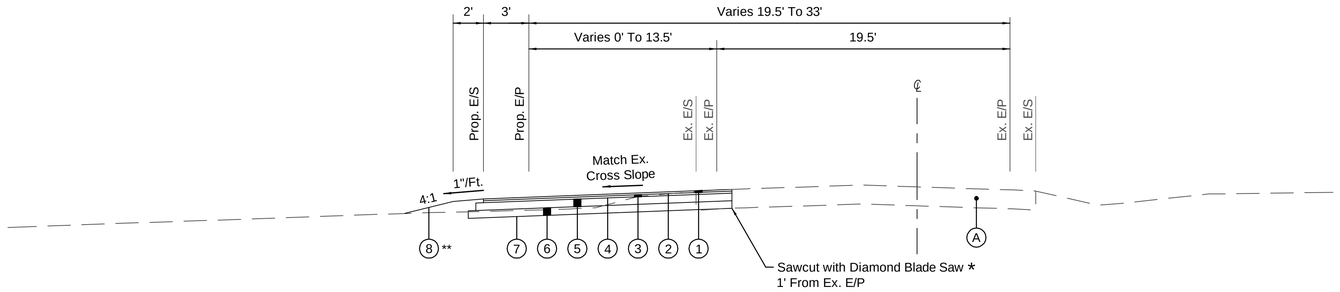
KYLES STATION ROAD
ROADWAY IMPROVEMENTS
SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO
TITLE SHEET

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

Drawing: 17-0120 TITLE
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18
Sheet: 1/16

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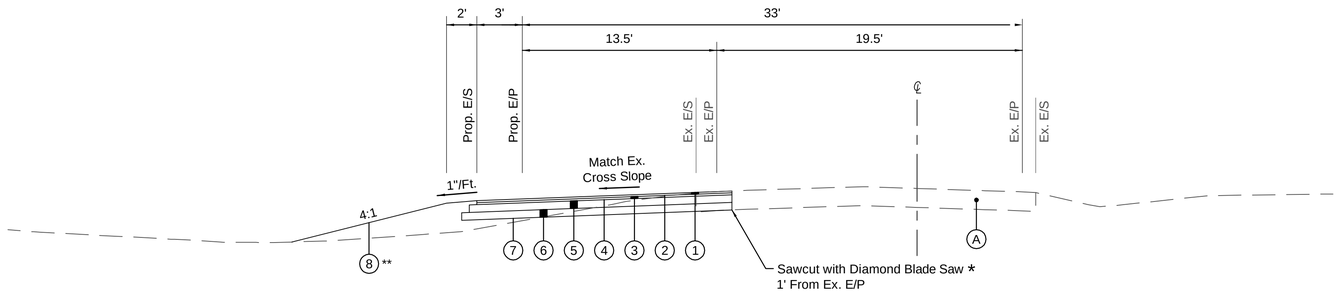
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KYLES STATION ROAD TYPICAL SECTION

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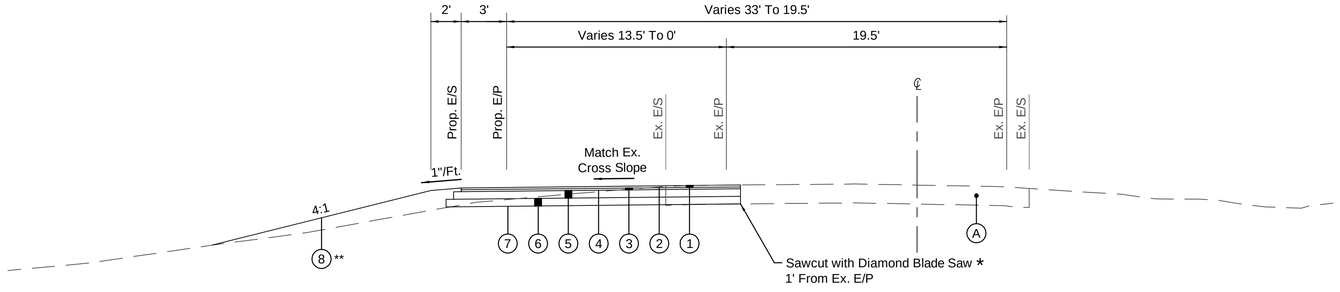
STA. 6+32.35 TO STA. 13+74.85



KYLES STATION ROAD TYPICAL SECTION

NOT TO SCALE

STA. 13+74.85 TO STA. 17+29.85



KYLES STATION ROAD TYPICAL SECTION

NOT TO SCALE

STA. 17+29.85 TO STA. 24+72.35

LEGEND

1. ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (448)
2. ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE
3. ITEM 441 - 1 1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2 (448)
4. ITEM 407 - NON-TRACKING TACK COAT
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

A. EXISTING PAVEMENT

NOTES:

* THE EXISTING PAVEMENT EDGE SHALL BE SAWCUT TO LOCATE A SOUND PAVEMENT EDGE PER 203.04(E) OF THE ODOT CMS.

** SEE CROSS SECTIONS FOR GRADING BEHIND THE PROP. E/S (4:1 MAX SLOPE).

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Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

TYPICAL SECTIONS

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6900 Tylersville Road, Suite A
Mason, OH 45040 - 513.336.6600

Drawing: 17-0120 TYPICAL SECTIONS
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18
Sheet: 2/16

Plot time: Jul 11, 2018 - 11:29am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 Typical Sections.dwg - Layout Tab: 02 Typical Sections

GENERAL SPECIFICATION

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), DATED JANUARY 1, 2016, 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 ON 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

WIDEN THE NORTH SIDE OF KYLES STATION ROAD TO ACCOMMODATE THE WESTBOUND LEFT TURN LANE AT SHANNON RIDGE BOULEVARD. 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 ALONG KYLES STATION ROAD AT SHANNON RIDGE BOULEVARD. 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.

UTILITY OWNERSHIP

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

ELECTRIC

DUKE ENERGY
2010 DANA AVENUE
CINCINNATI, OH 45207
ATTN: VANNA UN
(513-458-3840)

WATER & SEWER

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

CABLE

SPECTRUM
11252 CORNELL PARK DRIVE
CINCINNATI, OH 45242
ATTN: JIM O'REILLY
(513-489-5000)

TELEPHONE

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

GAS

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

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.

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	104 SQ YD
ITEM 659	COMMERCIAL FERTILIZER	0.014 TONS
ITEM 659	WATER	0.56 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	11.18 M GAL

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.

JOINT SEAL

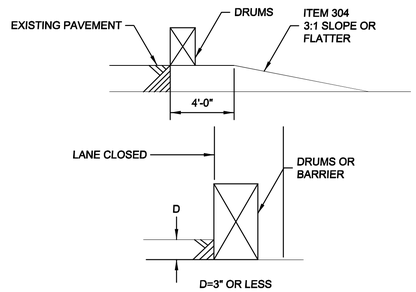
WHERE PROPOSED PAVEMENT IS TO BUTT THE EXISTING PAVEMENT, THE EXISTING PAVEMENT IS TO BE SAWCUT OR MILLED AND THE JOINT IS TO BE SEALED WITH A FOUR INCH WIDE STRIP OF ASPHALT CEMENT 702.01 APPLIED TO THE SURFACE OF THE JOINT. PAYMENT SHALL INCLUDE ALL NECESSARY LABOR, EQUIPMENT, AND MATERIALS FOR THE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

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT ADJACENT TO KYLES STATION 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

1. 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.
2. THE NEED FOR CERTAIN ADVISORY SIGNING IS REQUIRED TO ADVISE OR WARN MOTORISTS, AND ALL REQUIREMENTS OF THE OMUTCD MUST BE FULFILLED.
3. 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.
4. 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.

ITEM	QUANTITY	UNIT	DESCRIPTION
			ROADWAY
201	LUMP	LUMP	CLEARING AND GRUBBING
202	1	EACH	MAILBOX REMOVED
202	176	FT	GUARDRAIL REMOVED
202	124	SQ YD	REMOVAL MISC.: DRIVEWAY
203	987	CU YD	EXCAVATION
203	489	CU YD	EMBANKMENT
204	2783	SQ YD	SUBGRADE COMPACTION
252	1846	FT	FULL DEPTH PAVEMENT SAWING
254	26	SQ YD	1 1/2" PAVEMENT PLANING, ASPHALT CONCRETE
			EROSION CONTROL
659	2071	SQ YD	SEEDING AND MULCHING
659	104	SQ YD	REPAIR SEEDING AND MULCHING
659	0.293	TON	COMMERCIAL FERTILIZER
659	11.74	MGAL	WATER
			DRAINAGE
602	1.10	CU YD	CONCRETE MASONRY
611	27	FT	48" CONDUIT, TYPE C, 707.33
			PAVEMENT
301	430	CU YD	ASPHALT CONCRETE BASE, PG64-22
304	454	CU YD	AGGREGATE BASE
407	254	GAL	NON-TRACKING TACK COAT
441	106	CU YD	ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (448)
441	103	CU YD	ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2 (448)
			TRAFFIC CONTROL
630	75	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
630	27.5	SQ FT	SIGN, FLAT SHEET
630	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
630	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
642	0.35	MILE	EDGE LINE, 4"
642	0.67	MILE	CENTERLINE, 4"
642	235	FT	CHANNELIZING LINE, 8"
642	366	FT	TRANSVERSE/DIAGONAL LINE
642	67	SQ FT	ISLAND MARKING
642	3	EACH	LANE ARROW
642	0.42	MILE	REMOVAL OF PAVEMENT MARKING
644	1	EACH	SCHOOL SYMBOL MARKING, 96"
			MISCELLANEOUS
614	LUMP	LUMP	MAINTAINING TRAFFIC
623	LUMP	LUMP	CONSTRUCTION LAYOUT STAKES
624	LUMP	LUMP	MOBILIZATION

Item	Revision Description	Date	Drwn:	Chk:
1	REVISED PER BCEO COMMENTS	08-08-18	KMD	

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

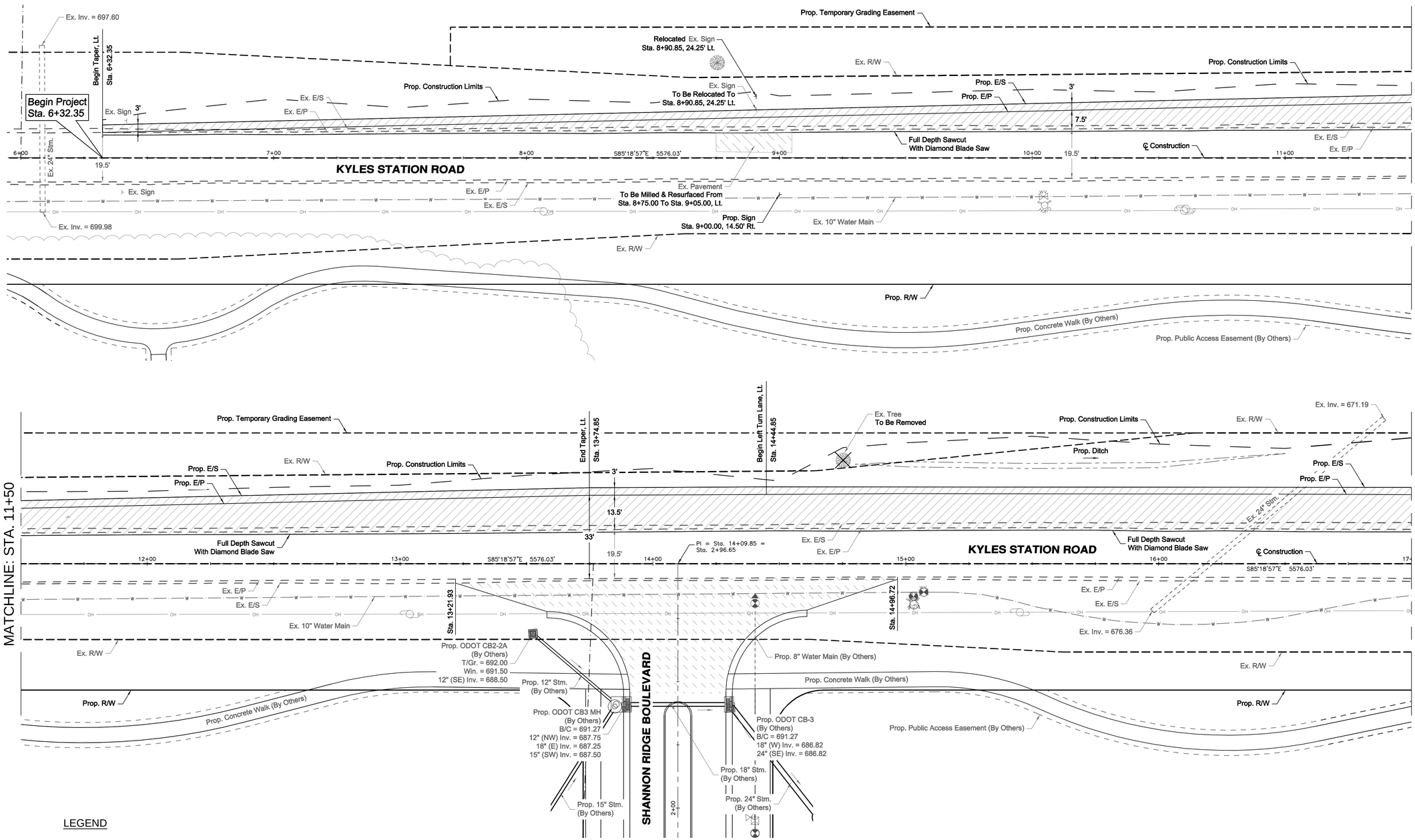
GENERAL NOTES & GENERAL SUMMARY

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Mason, OH 45040 - 513.336.6600

Drawing: 17-0120 GENERAL NOTES
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18
Sheet: 3/16

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Drawing name: J:\2017\17-0120\TR\DWG\17-0120 General Notes.dwg - Layout Tab: 03 General Notes & General Summary



LEGEND

PAVEMENT ON KYLES STATION 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

OVERLAY ON KYLES STATION ROAD

ITEM 254 - 1 1/2" PAVEMENT PLANING, ASPHALT CONCRETE
ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 (448)
ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE

PAVEMENT ON SHANNON RIDGE BOULEVARD (BY OTHERS)

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

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	Dwn:	Chk:
1	REVISED PER BCEO COMMENTS	08-08-18	KMD	

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

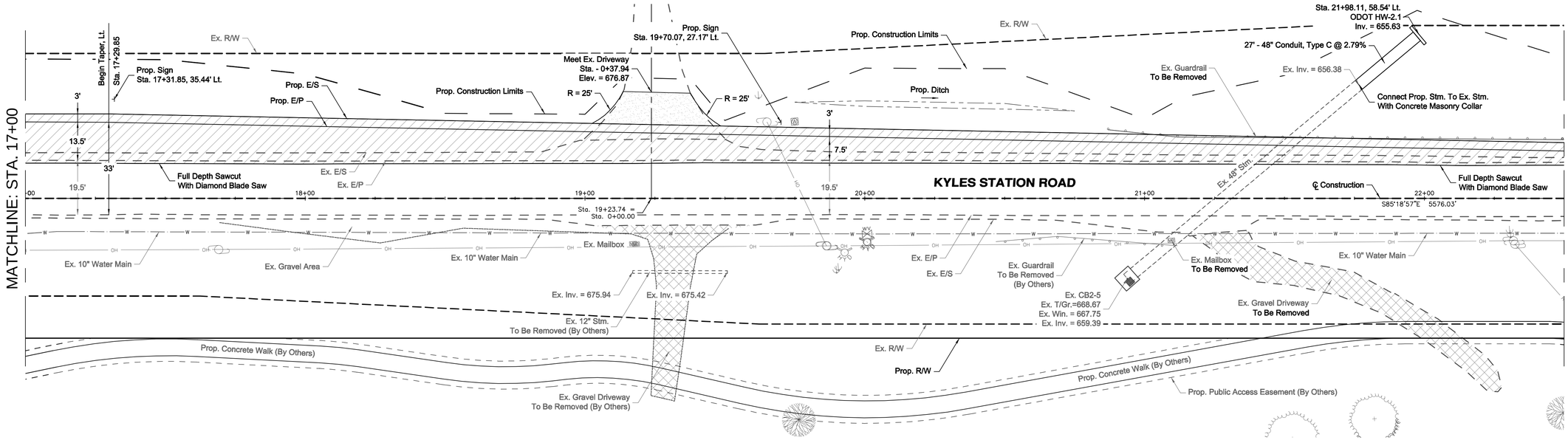
ROADWAY PLAN

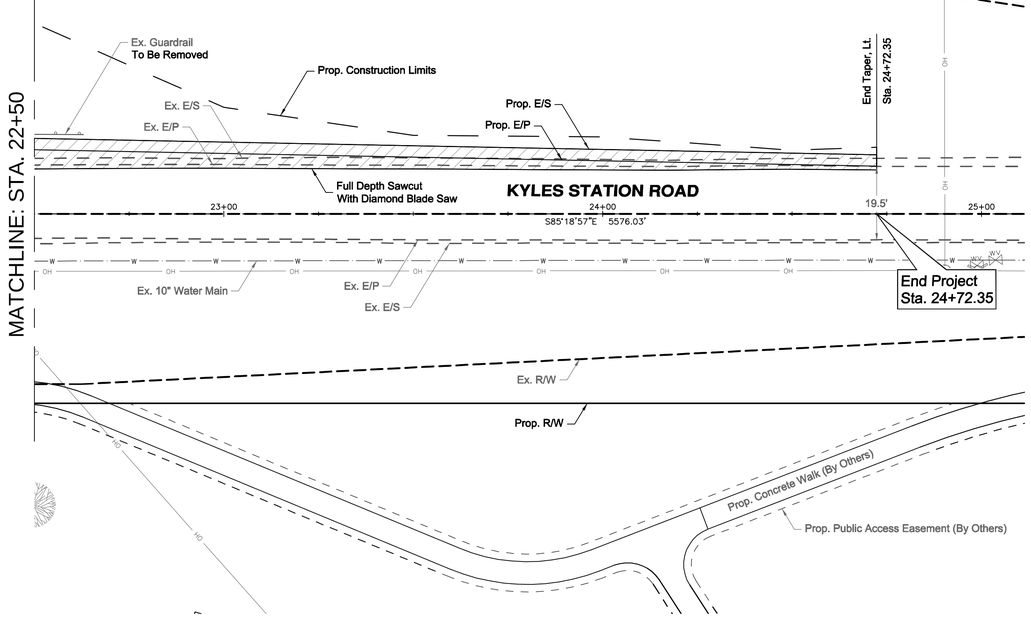
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6900 Tylersville Road, Suite A
Mason, OH 45040 - 513.336.6600

Drawing: 17-0120 ROADWAY PLAN
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18
Sheet: 4/16

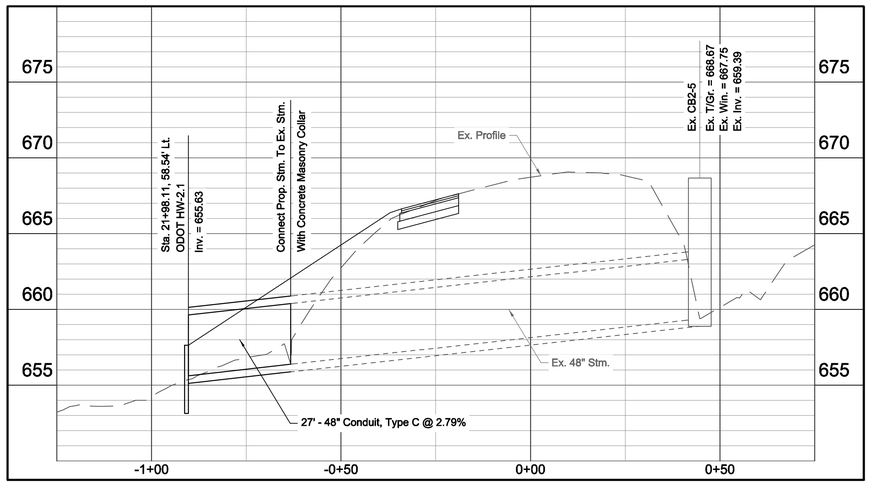
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Plot time: Aug 09, 2018 - 1:48pm
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 Roadway Plan.dwg - Layout Tab: 04 Roadway Plan

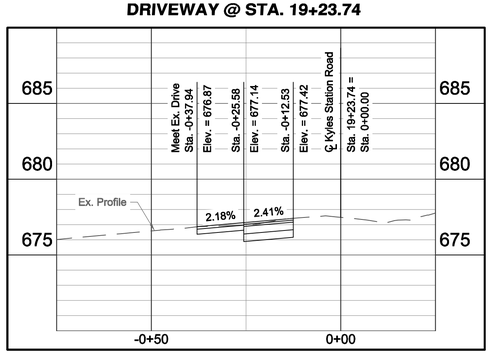




EX. STM. @ STA. 21+28.11



DRIVEWAY @ STA. 19+23.74



LEGEND

PAVEMENT ON KYLES STATION 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

REMOVE EXISTING PAVEMENT

PROPOSED ASPHALT DRIVEWAY

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

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	Dwn:	Chk:
1	REVISED PER BCEO COMMENTS	08-08-18	KMD	

KYLES STATION ROAD
ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

ROADWAY PLAN

bayer becker
www.bayerbecker.com
6900 Tylersville Road, Suite A
Mason, OH 45040 · 513.336.6600

Drawing: 17-0120 ROADWAY PLAN
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18

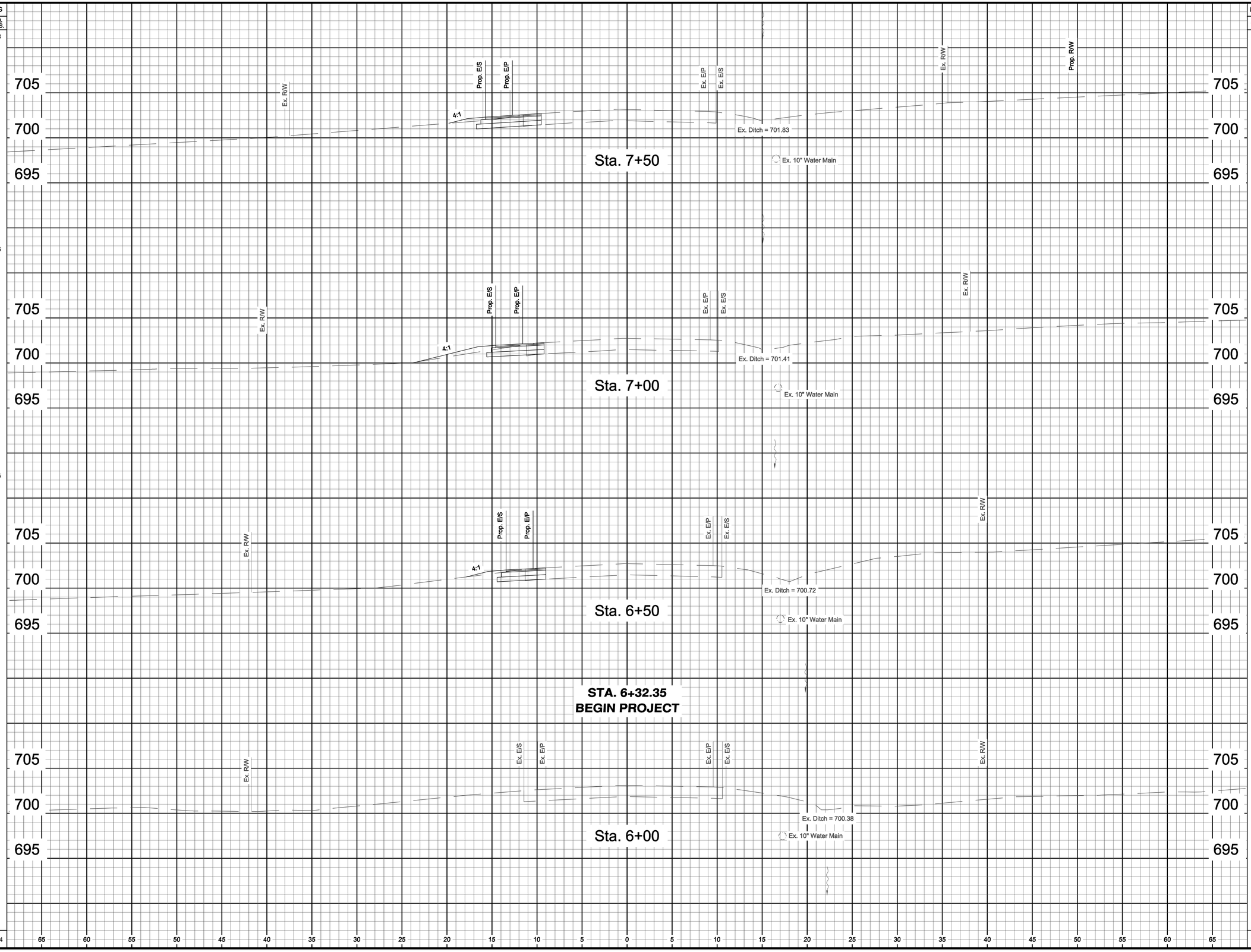
Sheet: 5/16

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Plot time: Aug 09, 2018 - 1:50pm
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 Roadway Plan.dwg - Layout Tab: 05 Roadway Plan

SEEDING	
END WIDTH	SQ. YDS.
4	28
9	36
4	36
4	4
0	0
104	45

END AREA		VOLUME	
CUT	FILL	CUT	FILL
8	1	15	4
6	3	13	4
6	1	11	4
6	1	6	1
0	0	0	0
		45	13



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Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

CROSS SECTIONS

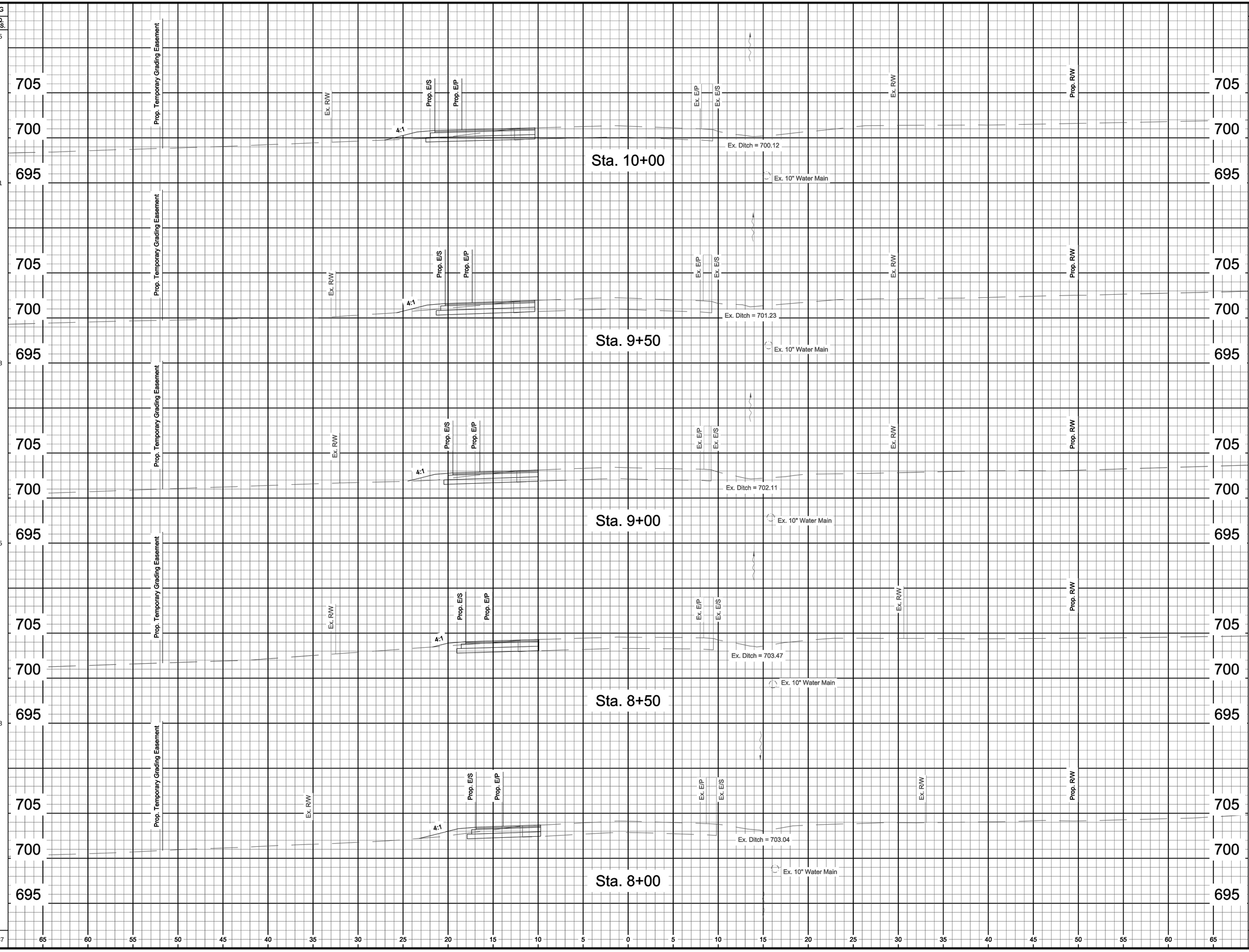
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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	6/16

Plot time: Jul 11, 2018 - 11:33am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 06 Cross Sections 6+00 to 7+50

SEEDING	
END WIDTH	SQ. YDS.
6	25
5	31
5	28
5	25
4	28
6	137

END AREA		VOLUME	
CUT	FILL	CUT	FILL
10	3	22	4
11	2	19	5
10	2	19	4
10	1	19	3
8	3	17	4
		96	20



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Item	Revision Description	Date	Drwn.	Chk.

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

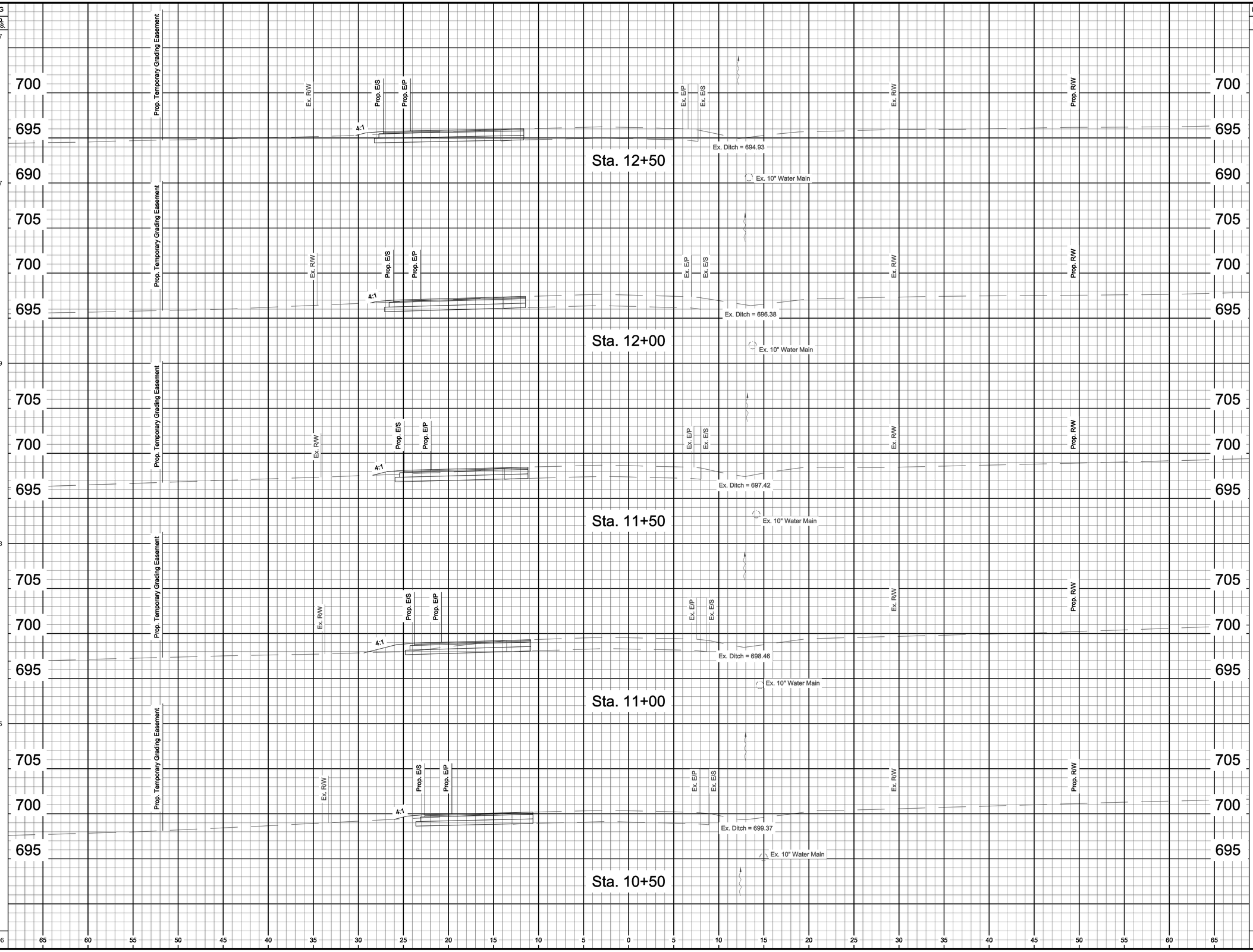
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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	7/16

Plot time: Jul 11, 2018 - 11:34am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 07 Cross Sections 8+00 to 10+00

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
3	17	18	1	32	2
3	17	18	1	33	2
4	19	15	1	31	2
6	28	25	4		
3	25	24	4		
3		14	1		
	106		145	14	



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Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD
ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

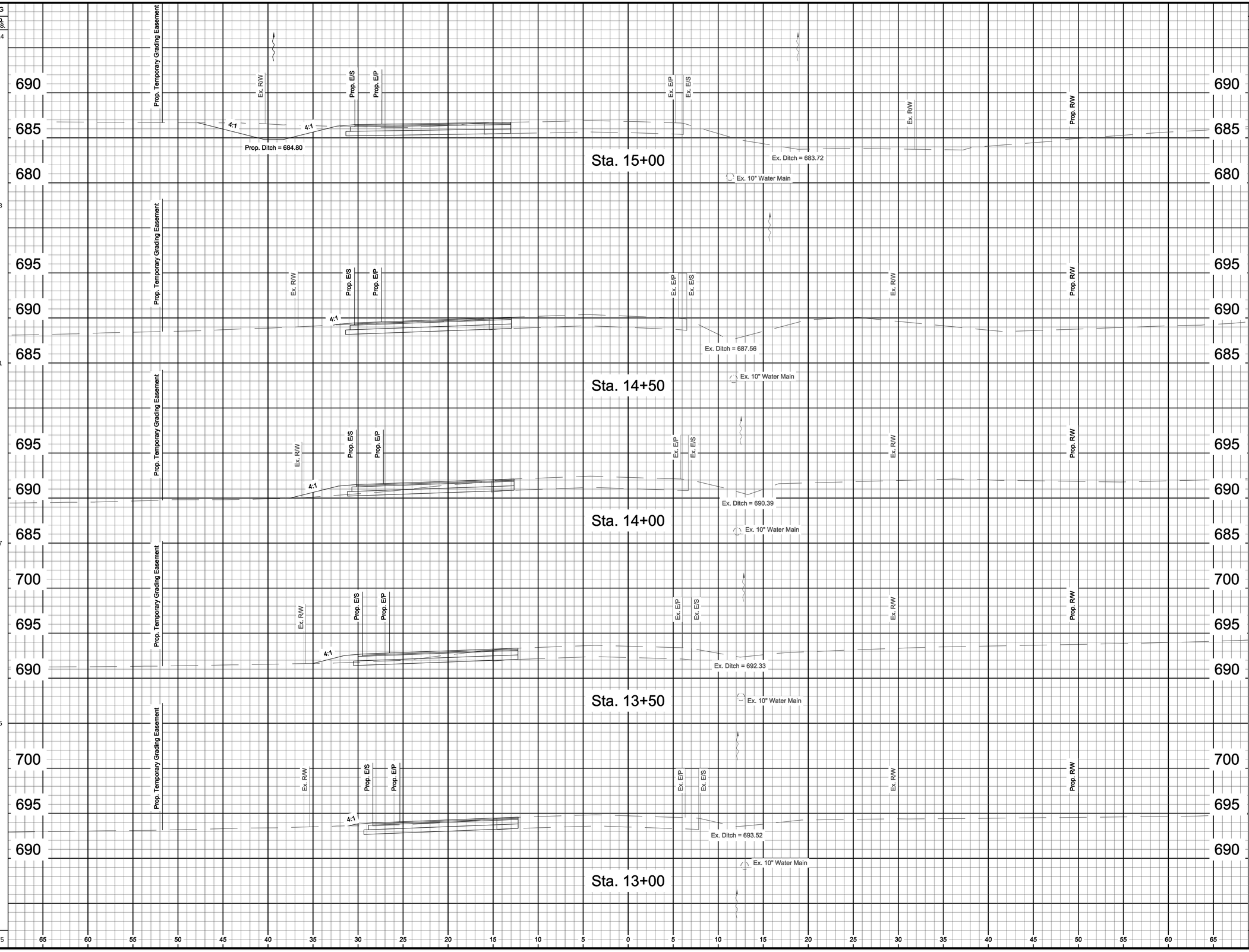
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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	8/15

Plot time: Jul 11, 2018 - 11:34am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 08 Cross Sections 10+50 to 12+50

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
18	114	33	1	65	2
3	58	20	1	49	2
8	31	13	4	31	5
9	47	13	3	24	6
3	25	17	1	28	4
	275			197	19



Plot time: Jul 11, 2018 - 11:35am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 09 Cross Sections 13+00 to 15+00

Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

CROSS SECTIONS

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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	9/16

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SEEDING	
END WIDTH	SQ. YDS.
20	111
14	94
17	86
23	111
	402

END AREA		VOLUME	
CUT	FILL	CUT	FILL
		19	48
10	23		
		18	41
9	21		
		23	24
16	5		
		45	6
33	1		
		105	119

Sta. 17+00

Ex. R/W
4:1
Ex. Ditch = 672.51
Prop. E/S
Prop. E/P
Ex. E/P
Ex. E/S
Ex. R/W
Ex. Ditch = 678.53
Ex. 10" Water Main

Sta. 16+50

Ex. R/W
4:1
Prop. Ditch = 677.29
Prop. E/S
Prop. E/P
Ex. E/P
Ex. E/S
Ex. R/W
Prop. R/W
Ex. Ditch = 678.58
Ex. 24" Stm.
Ex. 10" Water Main

Sta. 16+00

Prop. Temporary Grading Easement
Ex. R/W
4:1
4:1
Prop. Ditch = 679.84
Prop. E/S
Prop. E/P
Ex. E/P
Ex. E/S
Ex. R/W
Prop. R/W
Ex. 24" Stm.
Ex. Ditch = 676.76
Ex. 10" Water Main

Sta. 15+50

Prop. Temporary Grading Easement
Ex. R/W
4:1
4:1
Prop. Ditch = 681.93
Prop. E/S
Prop. E/P
Ex. E/P
Ex. E/S
Ex. R/W
Prop. R/W
Ex. Ditch = 680.63
Ex. 10" Water Main

680 675 690 685 680 675 690 685 680 675 690 685 680 675

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

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Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD
ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

CROSS SECTIONS

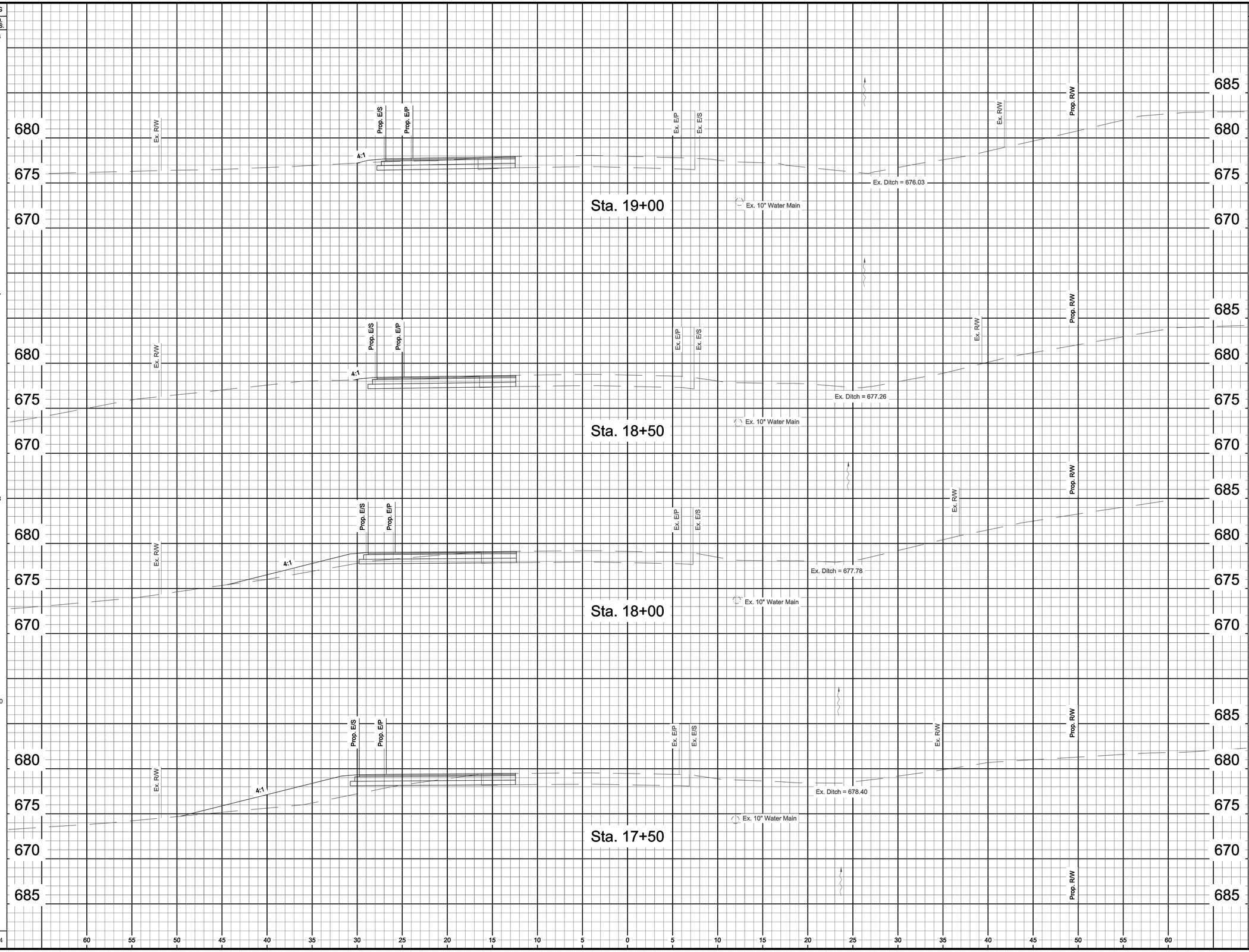
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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	10/15

Plot time: Jul 11, 2018 - 11:45am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 10 Cross Sections 15+50 to 17+00

SEEDING	
END WIDTH	SQ. YDS.
3	14
	17
3	
	53
16	
	100
20	
	184

END AREA		VOLUME	
CUT	FILL	CUT	FILL
		29	2
16	1		
		31	2
18	1		
		31	11
15	11		
		23	37
10	29		
		114	52



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Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

CROSS SECTIONS

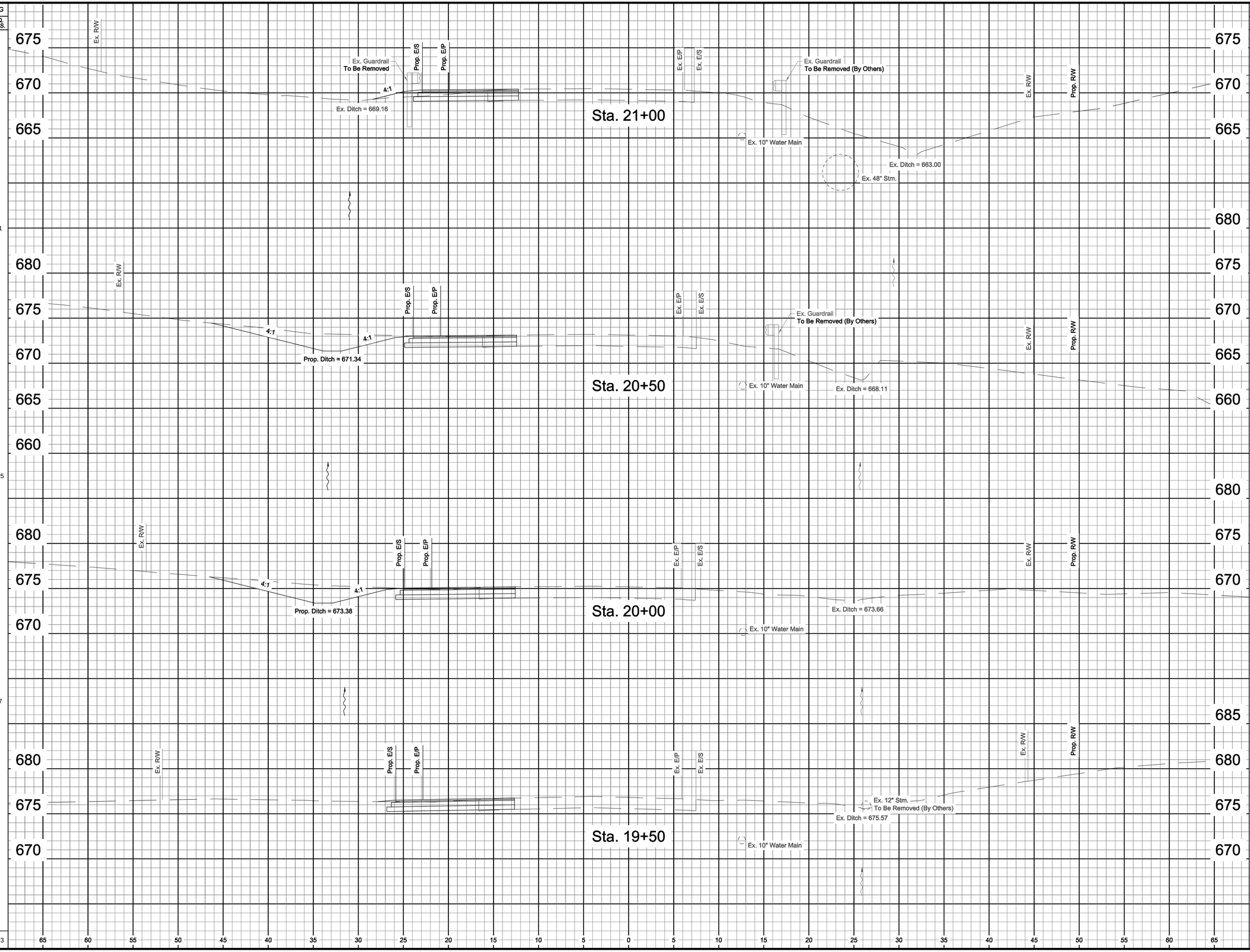
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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	11/16

Plot time: Jul 11, 2018 - 11:45am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 11 Cross Sections 17+50 to 19+00

SEEDING	
END WIDTH	SQ. YDS.
6	81
23	125
22	67
2	273

END AREA		VOLUME	
CUT	FILL	CUT	FILL
11	2	44	2
37	0	69	0
37	0	48	1
15	1	161	3



Item	Revision Description	Date	Dwn.	Chk.

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

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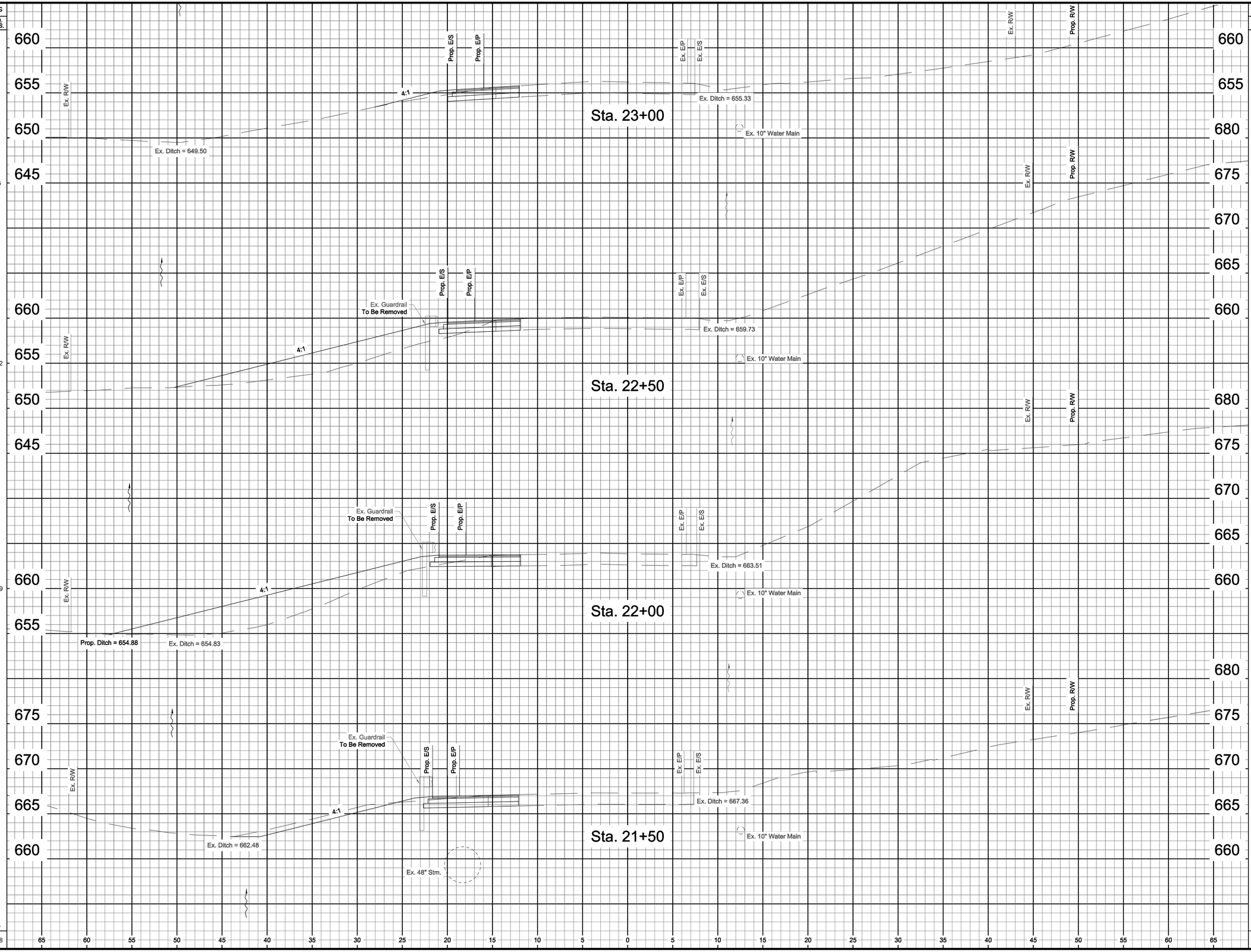
Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	12/16

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Plot time: Jul 11, 2018 - 11:46am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 12 Cross Sections 19+50 to 21+00

SEEDING	
END WIDTH	SQ. YDS.
9	86
31	192
38	169
23	81
	528

END AREA		VOLUME	
CUT	FILL	CUT	FILL
8	3		
		13	52
6	53		
		13	118
8	74		
		26	69
20	1		
		29	3
		81	242



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Item	Revision Description	Date	Drwn:	Chk:
1	REVISED PER BGEO COMMENTS	08-08-18	KMD	

KYLES STATION ROAD ROADWAY IMPROVEMENTS

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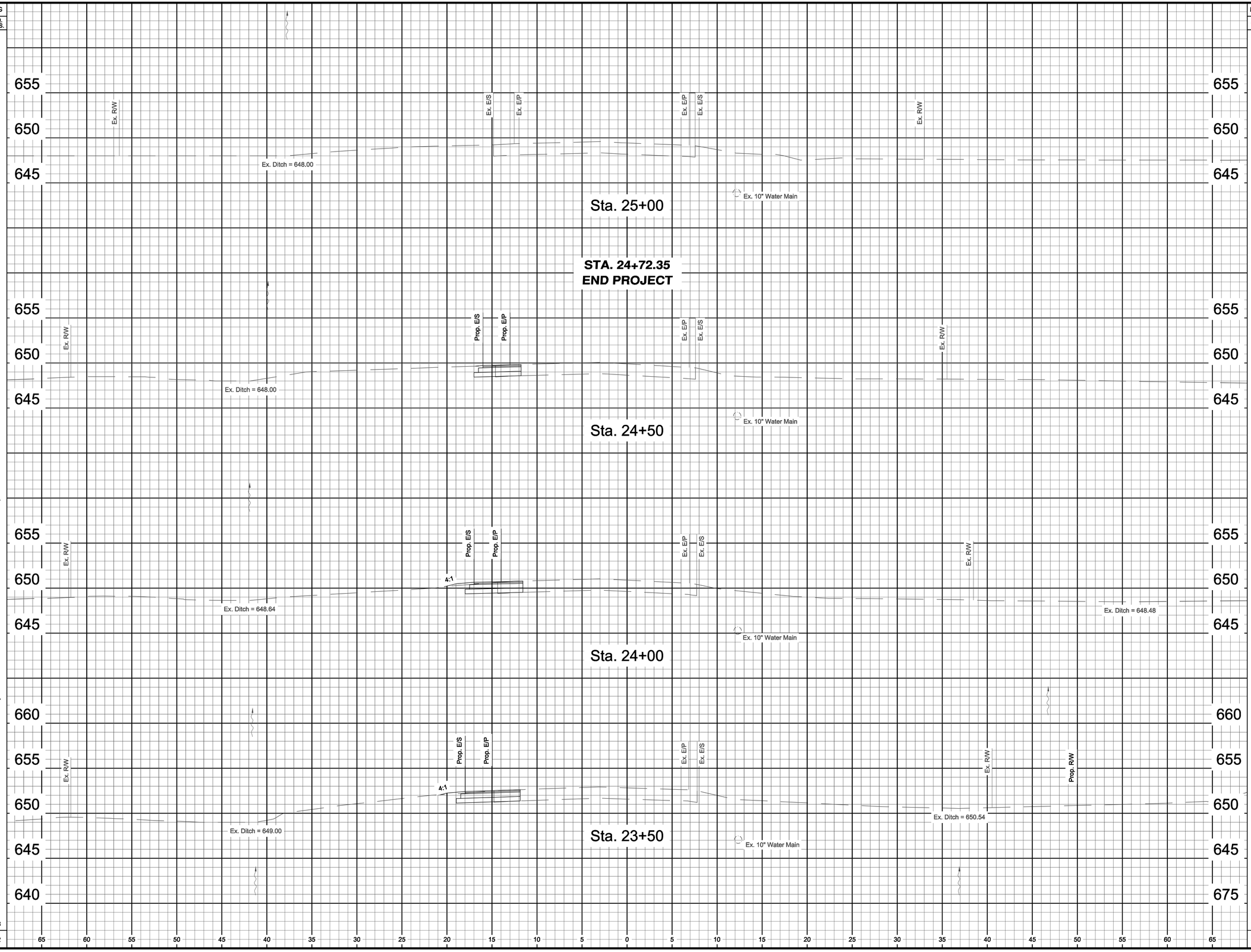
Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	13/16

Plot time: Aug 09, 2018 - 2:37pm
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 13 Cross Sections 21+50 to 23+00

SEEDING	
END WIDTH	SQ. YDS.
0	
1	
1	
11	
3	
17	
3	
33	
62	

END AREA	
CUT	FILL
0	0
6	0
7	1
8	1

VOLUME	
CUT	FILL
2	0
12	1
14	2
15	4
43	7



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Item	Revision Description	Date	Dwn:	Chk:

KYLES STATION ROAD
ROADWAY IMPROVEMENTS

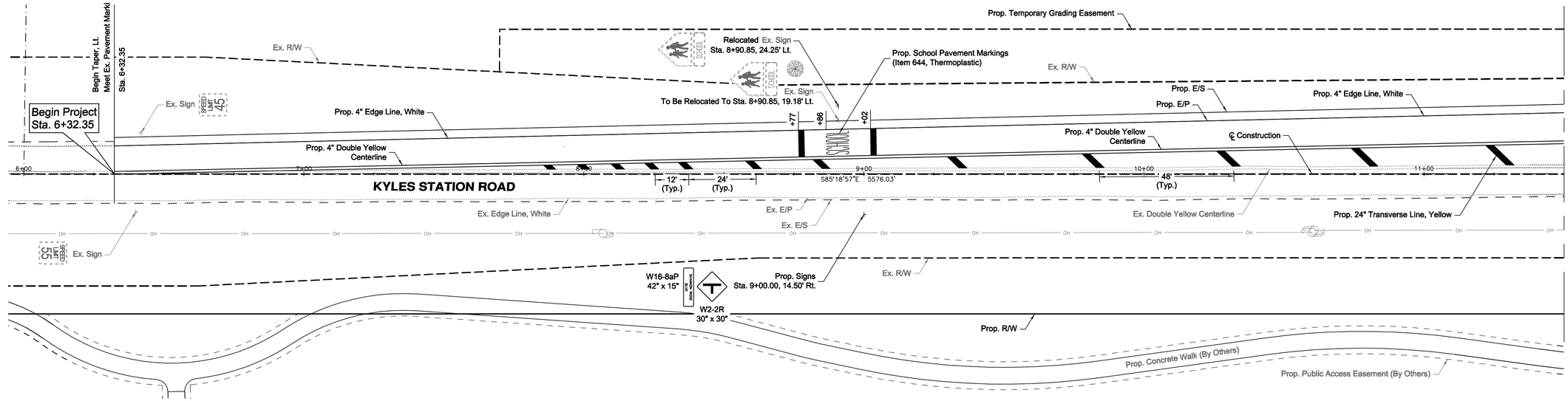
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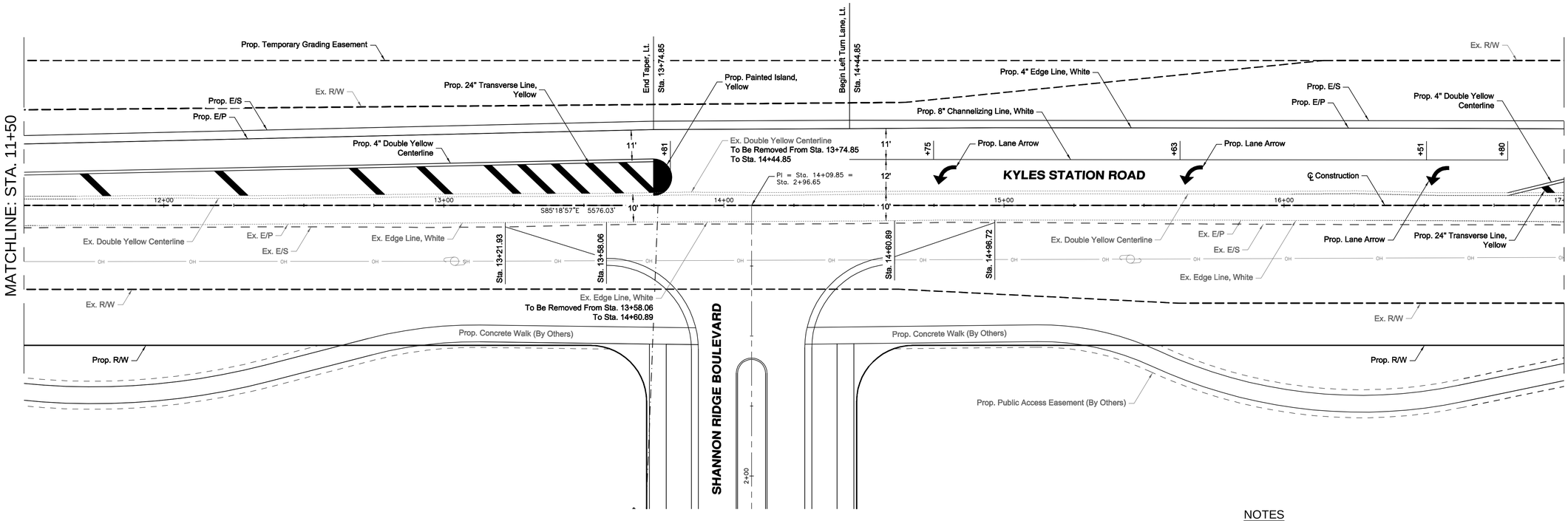
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Drawing:	17-0120 TR
Drawn by:	KMD
Checked By:	EMR
Issue Date:	07-11-18
Sheet:	14/16

Plot time: Jul 11, 2018 - 11:47am
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 TR.dwg - Layout Tab: 14 Cross Sections 23+50 to 25+00





NOTES

1. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 641.10 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
2. ALL PAVEMENT MARKINGS SHALL BE PER ITEM 642 PAINT, EXCEPT WHERE NOTED, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).
3. PROPOSED SCHOOL PAVEMENT MARKINGS SHALL BE PER ITEM 644 THERMOPLASTIC AND SHALL BE INSTALLED IN CONFORMANCE WITH THE OMUTCD.
4. ALL TRAFFIC SIGNS AND POSTS SHALL CONFORM TO ITEM 630 TRAFFIC SIGNS AND SUPPORTS AND THE OMUTCD.

Item	Revision Description	Date	Dwn:	Chk:
1	REVISED PER BCEO COMMENTS	08-08-18	KMD	

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
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BUTLER COUNTY, OHIO

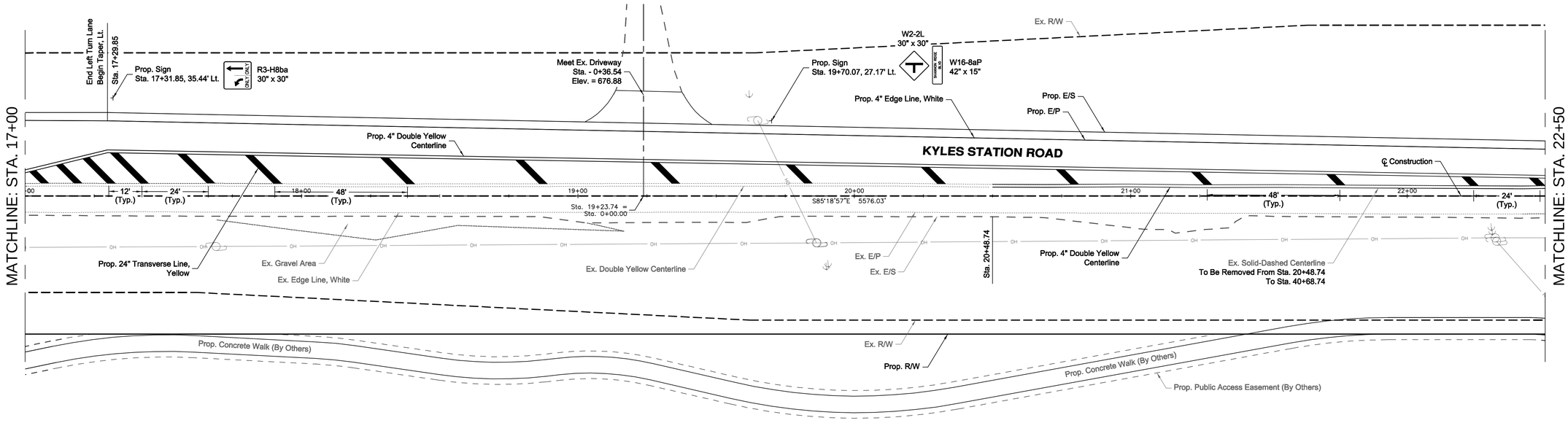
TRAFFIC CONTROL PLAN

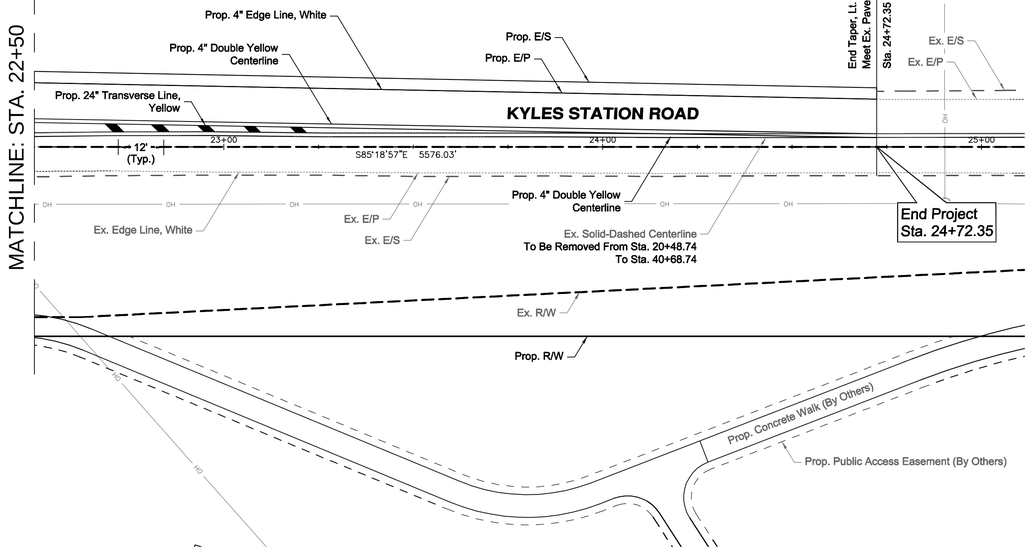
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Drawing: 17-0120 TRAFFIC CONTROL
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18
Sheet: 15/16

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Plot time: Aug 09, 2018 - 2:05pm
Drawing name: J:\2017\17-0120\TR\DWG\17-0120 Traffic Control.dwg - Layout Tab: 15 Traffic Control Plan





CLOSE THE PASSING ZONE ALONG KYLES STATION ROAD BY REMOVING THE EXISTING SOLID-DASHED CENTERLINE FROM STA. 20+48.74 TO STA. 40+68.74 AND REPLACING IT WITH A PROPOSED DOUBLE YELLOW CENTERLINE TO MEET THE EXISTING DOUBLE YELLOW CENTERLINE.

NOTES

1. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 641.10 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
2. ALL PAVEMENT MARKINGS SHALL BE PER ITEM 642 PAINT, EXCEPT WHERE NOTED, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).
3. PROPOSED SCHOOL PAVEMENT MARKINGS SHALL BE PER ITEM 644 THERMOPLASTIC AND SHALL BE INSTALLED IN CONFORMANCE WITH THE OMUTCD.
4. ALL TRAFFIC SIGNS AND POSTS SHALL CONFORM TO ITEM 630 TRAFFIC SIGNS AND SUPPORTS AND THE OMUTCD.

Item	Revision Description	Date	Dwn:	Chk:
1	REVISED PER BCEO COMMENTS	08-08-18	KMD	

KYLES STATION ROAD ROADWAY IMPROVEMENTS

SHANNON RIDGE
SECTION 33, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

TRAFFIC CONTROL PLAN

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Drawing: 17-0120 TRAFFIC CONTROL
Drawn by: KMD
Checked By: EMR
Issue Date: 07-11-18
Sheet: 16/16

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Plot time: Aug 09, 2018 - 1:54pm
Drawing name: i:\2017\17-0120\TR\DWG\17-0120 Traffic Control.dwg - Layout Tab: 16 Traffic Control Plan