

ASD - US 250-19.88
 220162 PID - 110356
 Dist 3 3/17/2022

Contract Proposal available @
 www.contracts.dot.state.oh.us

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

ASD-250-19.88

PERRY TOWNSHIP
 ASHLAND COUNTY



LOCATION MAP

LATITUDE: 40°51'25" LONGITUDE: 82°12'50"



PORTION TO BE IMPROVED	-----	=====
INTERSTATE HIGHWAY	-----	=====
FEDERAL ROUTES	-----	=====
STATE ROUTES	-----	=====
COUNTY & TOWNSHIP ROADS	-----	=====
OTHER ROADS	-----	=====

DESIGN DESIGNATION

	U.S. 250	S.R. 89 S OF 250	S.R. 89 N OF 250
CURRENT ADT (2022)	7100	1400	2600
DESIGN YEAR ADT (2042)	8100	1800	3600
DESIGN HOURLY VOLUME (2042)	750	200	350
DIRECTIONAL DISTRIBUTION	51%	54%	52%
TRUCKS (24 HOUR B&C)	16%	12%	10%
DESIGN SPEED	55 MPH	55 MPH	55 MPH
LEGAL SPEED	55 MPH	55 MPH	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION	OTHER PRINCIPAL ARTERIAL	MAJOR COLLECTOR	MAJOR COLLECTOR

NHS PROJECT ----- YES

DESIGN EXCEPTIONS

NONE



PLAN PREPARED BY:
 ENGINEERING ASSOCIATES, INC.
 1935 EAGLE PASS - WOOSTER OHIO
 TELEPHONE: (330)345-6556

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2
TYPICAL SECTIONS	3-5
GENERAL NOTES	6-7
MAINTENANCE OF TRAFFIC	8-16
GENERAL SUMMARY	17-18
SUBSUMMARIES	19-20
PROJECT SITE PLAN	21
PLAN AND PROFILE - U.S. 250	22-26
PLAN AND PROFILE - S.R. 89	27-28
CROSS SECTIONS - U.S. 250	29-39
CROSS SECTIONS - S.R. 89	40-44
INTERSECTION DETAILS	45
DRIVE DETAILS	46-47
CULVERT DETAILS	48-50
HEADWALL DETAILS	51-55
TRAFFIC CONTROL	56-61
SUBSURFACE UTILITY ENGINEERING	
DATA SHEETS	62-64
RIGHT OF WAY	65, 66, 66A, 67-79
SOIL PROFILES	80-85

ENGINEER'S SEAL:

(FOR HEADWALL DETAILS ONLY)



SIGNED: *[Signature]*
 DATE: 11/15/2021

ENGINEER'S SEAL:

(FOR ENTIRE PLAN EXCEPT HEADWALL DETAILS)



SIGNED: *[Signature]*
 DATE: 11/15/2021

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	01/17/20	MGS-1.1	7/16/21	MT-95.45	1/17/20	TC-41.20	10/18/13	800	10/15/21	WATERWAY	
BP-3.2	1/18/19	MGS-2.1	1/19/18	MT-96.11	4/16/21	TC-41.30	10/18/13	821	4/20/12	PERMIT	
		MGS-4.2	7/19/13	MT-96.20	7/15/16	TC-41.40	10/18/13	832	10/19/18	CONDITIONS	
CB-8	7/16/21	MGS-5.3	7/15/16	MT-96.26	1/18/19	TC-41.41	7/19/19	836	1/19/18	8/20/21	
				MT-97.10	4/19/19	TC-42.10	10/18/13	872	4/17/20		
DM-1.1	7/17/20	RM-1.1	1/15/21	MT-99.20	4/19/19	TC-42.20	10/18/13	874	4/17/20		
DM-4.2	7/20/12	RM-4.1	1/17/20	MT-99.30	1/17/20	TC-52.10	10/18/13	875	1/18/19		
DM-4.3	1/15/16	RM-4.2	4/17/20	MT-101.60	1/17/20	TC-52.20	1/15/21	902	7/19/19		
DM-4.4	1/15/16			MT-101.70	1/17/20	TC-61.10	1/17/20	921	4/20/12		
BP-4.1	7/19/13	HW-2.1	7/20/18	MT-101.75	1/17/20	TC-61.30	7/19/19	961	4/17/20		
BP-9.1	1/18/19	HW-2.2	7/20/18	MT-101.90	7/17/20	TC-64.10	1/17/20				
				MT-105.10	1/17/20	TC-65.10	1/17/14				
						TC-65.11	7/21/17				

FEDERAL PROJECT NUMBER

E190639

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE RECONSTRUCTION OF 0.37 MILES OF U.S. 250 TO IMPROVE THE STOPPING SIGHT DISTANCE AND INTERSECTION IMPROVEMENTS WITH S.R. 89. THE PROJECT ALSO INCLUDES NEW GRADING, SIGNING AND PAVEMENT MARKINGS, AND DRAINAGE.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.6 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.9 ACRES

2019 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 12.

APPROVED: *[Signature]*
 DATE: 11/10/2021 DISTRICT DEPUTY DIRECTOR

APPROVED: *[Signature]*
 DATE: 1/24/22 DIRECTOR, DEPARTMENT OF TRANSPORTATION

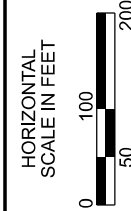
TITLE SHEET

DESIGN AGENCY
ea
 ENGINEERING ASSOCIATES, INC.
 1935 EAGLE PASS
 WOOSTER, OHIO 44691
 PHONE: (330) 345-6556
 www.eaohio.com

DESIGNER: KJA
 REVIEWER: JGL
 PROJECT ID: 110356
 SHEET TOTAL: 1 85

MODEL: P:\sheet\papersize\14657x0.916667 (4.1) DA TE: 11/11/2021 TIME: 7:09:07 PM USER: jlm278
 M:\190639\ASD-250-19.88\110356\1001-Engineer-Fwd\Roadway\Sheets\110356_GTO01.dgn

88.61-052-DSV

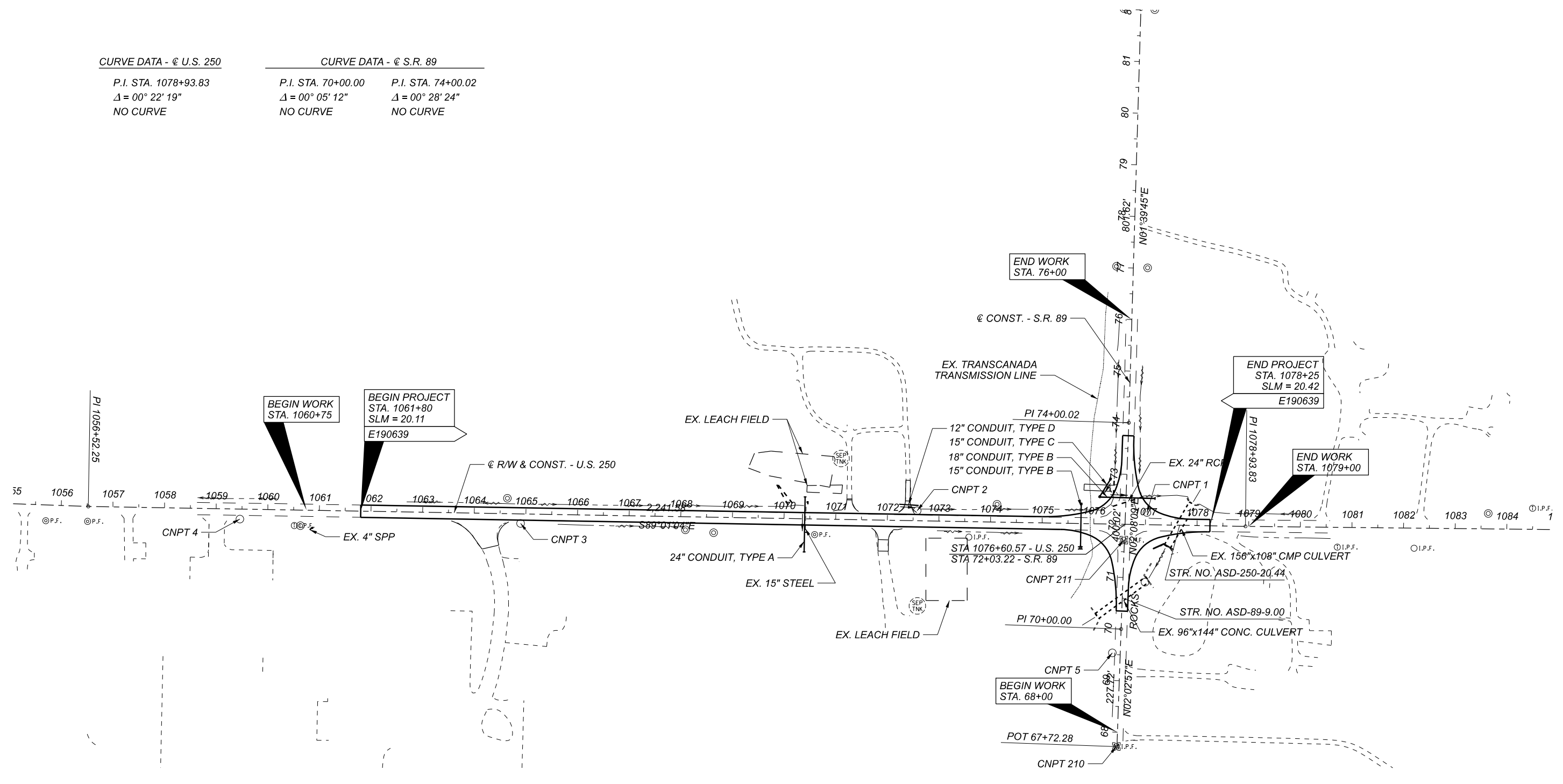


CURVE DATA - @ U.S. 250

P.I. STA. 1078+93.83
Δ = 00° 22' 19"
NO CURVE

CURVE DATA - @ S.R. 89

P.I. STA. 70+00.00 P.I. STA. 74+00.02
Δ = 00° 05' 12" Δ = 00° 28' 24"
NO CURVE NO CURVE



SCHEMATIC PLAN

PRIMARY PROJECT CONTROL INFORMATION

CONTROL POINT NUMBER	STATION	OFFSET	ELEVATION	PROJECT GROUND U.S. SURVEY FEET		DESCRIPTION
				NORTHING	EASTING	
1	1076+02.52	23.62' LT	1058.78	433762.826	2048345.960	3/4" REBAR W/ 3" ALUMINUM CAP MARKED PROJECT CONTROL
2	1071+57.42	19.19' LT	1081.07	433766.028	2047900.854	5/8" REBAR W/ CAP MARKED CONTROL POINT
3	1063+89.86	18.36' RT	1096.86	433.741.637	2047132.753	5/8" REBAR W/ CAP MARKED CONTROL POINT
4	1058+46.36	19.33' RT	1085.91	433749.984	2046589.319	5/8" REBAR W/ CAP MARKED CONTROL POINT
5	69+53.41	15.37' LT	1059.17	433490.835	2048279.010	5/8" REBAR W/ CAP MARKED CONTROL POINT
210	67+72.28	1.10' LT	1059.48	433309.3622	2048286.8564	1" IRON PIN IN MONUMENT BOX
211	71+72.31	1.29' LT	1060.14	433709.0844	2048301.1674	1" IRON PIN IN MONUMENT BOX

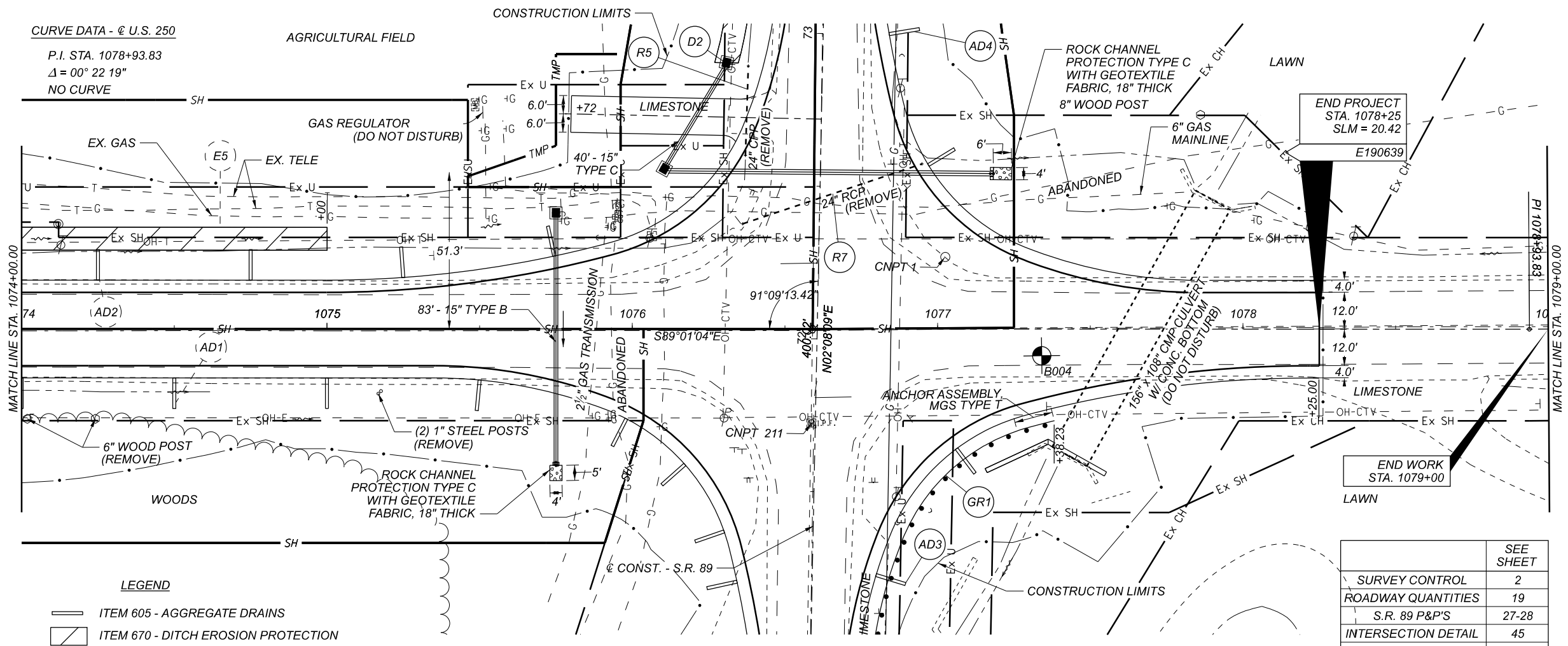
NOTE:
THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN WORK LIMITS.

ASD-250-19.88
MODEL: Sheet PAPER: 141667x0.91667 (ft.) DATE: 6/16/2021 TIME: 4:54:20 PM USER: jgl255
M:\1906\ASD-250-20.00\110356\400-Engineering\Roadway\Sheets\110356_GB001.dgn

DESIGN AGENCY
EA
ENGINEERING ASSOCIATES
INC
1935 EAGLE PASS
WOOSTER, OHIO 44691
PHONE: (330) 345-6556
www.eaohio.com

DESIGNER
JGL
REVIEWER
JJM 06-01-20
PROJECT ID
110356
SHEET TOTAL
2 85

CURVE DATA - @ U.S. 250
 P.I. STA. 1078+93.83
 $\Delta = 00^\circ 22' 19''$
 NO CURVE



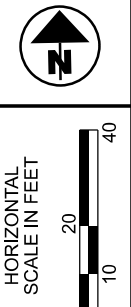
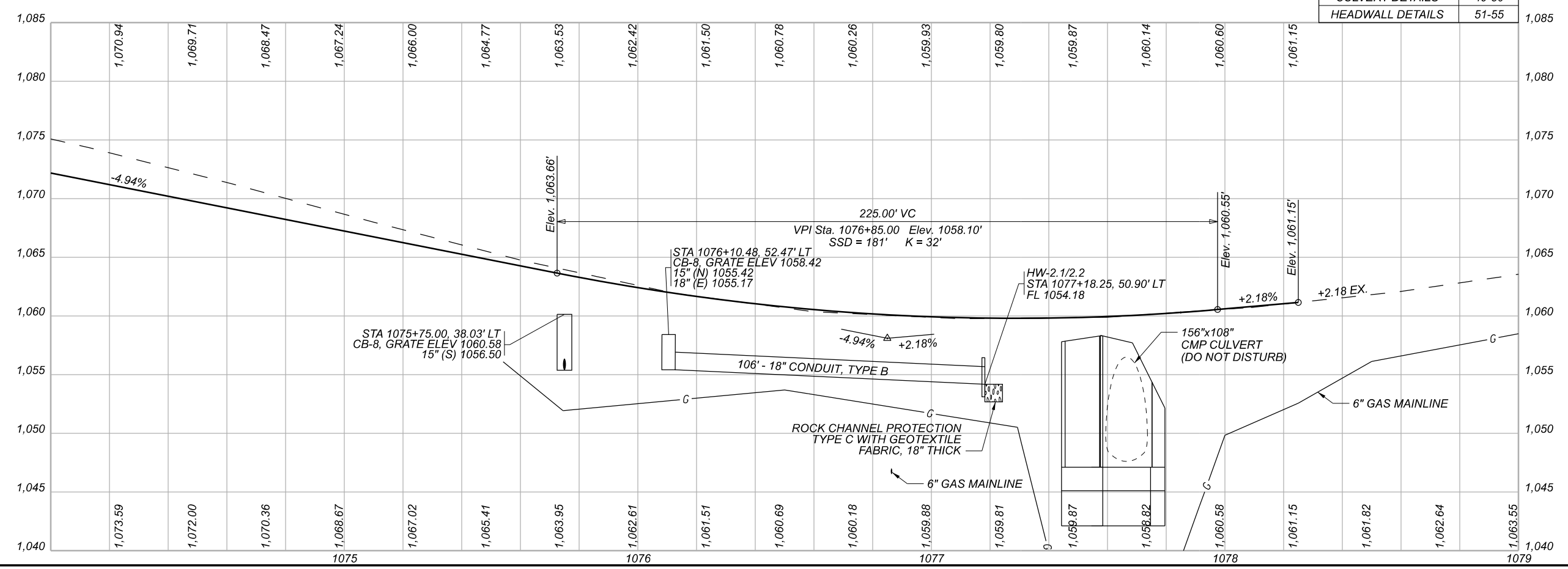
LEGEND

	ITEM 605 - AGGREGATE DRAINS
	ITEM 670 - DITCH EROSION PROTECTION

END PROJECT
 STA. 1078+25
 SLM = 20.42
 E190639

END WORK
 STA. 1079+00

	SEE SHEET
SURVEY CONTROL	2
ROADWAY QUANTITIES	19
S.R. 89 P&P'S	27-28
INTERSECTION DETAIL	45
DRIVE DETAIL	46-47
CULVERT DETAILS	49-50
HEADWALL DETAILS	51-55



PLAN AND PROFILE - U.S. 250
STA 1074+00 O STA 1079+00

DESIGN AGENCY

ENGINEERING ASSOCIATES, INC.
 1935 EAGLE PASS
 WOODSTER, OHIO 444691
 PHONE: (330) 345-6556
 www.eaohio.com

DESIGNER	JGL
REVIEWER	JJM 06-01-20
PROJECT ID	110356
SHEET	25
TOTAL	85

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO THE 8TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2017 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA :

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (WINGWALL/HEADWALL) REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI

ITEM 202, HEADWALL REMOVED, AS PER PLAN:

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT OR DAMAGE THE EXISTING CORRUGATED PIPE CULVERT. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

FOUNDATION BEARING RESISTANCE:

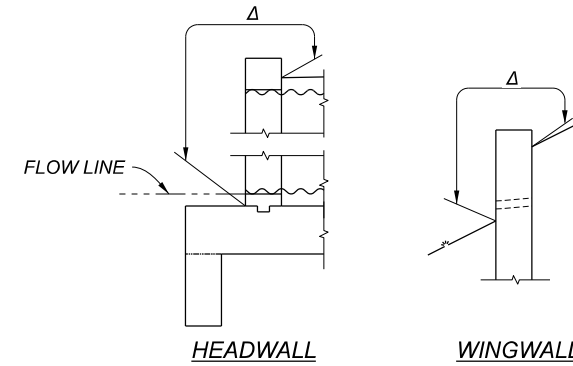
WING WALL FOOTINGS, AS DESIGNED, PRODUCE A MAXIMUM SERVICE LIMIT STATE BEARING PRESSURE OF 2.83 KIPS PER SQUARE FOOT AND A MAXIMUM STRENGTH LIMIT STATE BEARING PRESSURE OF 4.32 KIPS PER SQUARE FOOT. THE FACTORED BEARING RESISTANCE IS 8.1 KIPS PER SQUARE FOOT, (FOR STRENGTH LIMIT STATE).

PROPOSED WORK

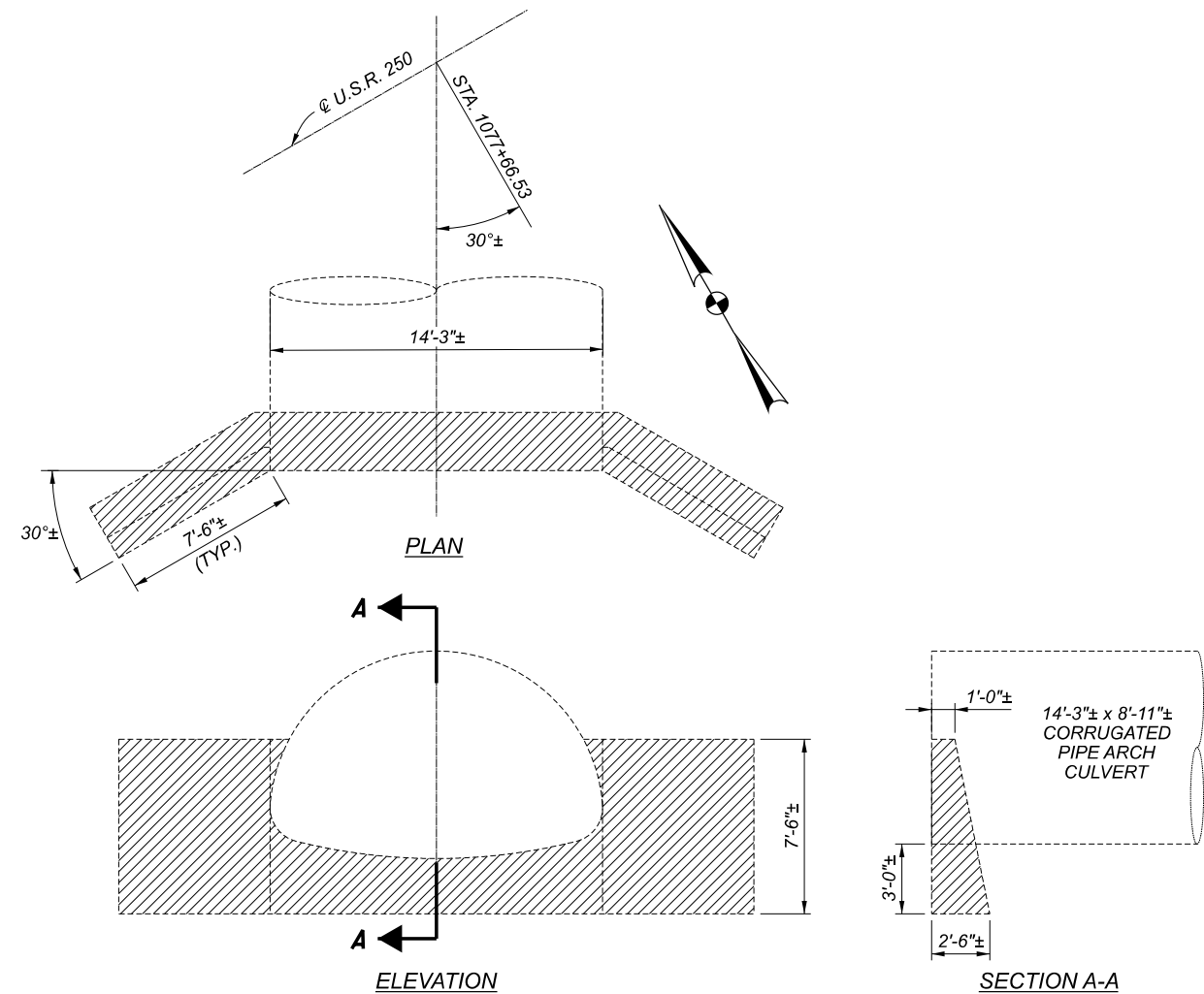
1. REMOVE EXISTING HALF HEIGHT HEADWALL ON SOUTH END OF CULVERT.
2. CONSTRUCT PROPOSED HEADWALL AND WING WALL SOUTH END OF CULVERT.
3. SEAL CONCRETE SURFACES, AS PER PLAN.
4. PLACE PROPOSED ROCK CHANNEL PROTECTION AND REGRADE EXISTING DUMP ROCK.

ABBREVIATIONS

- ABUT. - ABUTMENT
- APPR. - APPROACH
- BRG. - BEARING
- BOT. - BOTTOM
- CONST. JT. - CONSTRUCTION JOINT
- CLR. - CLEAR
- CONST. - CONSTRUCTION
- CORR. - CORRUGATED
- DIA. - DIAMETER
- DIM. - DIMENSION
- DWG. - DRAWING
- EL. - ELEVATION
- E.F. - EACH FACE
- EXIST. - EXISTING
- F.A. - FORWARD ABUTMENT
- FWD. - FORWARD
- F.F. - FRONT FACE
- FT. - FEET
- LBS. - POUNDS
- MAX. - MAXIMUM
- MEAS. - MEASURED
- MIN. - MINIMUM
- OPT. - OPTIONAL
- P.E.J.F. - PREFORMED EXPANSION JOINT FILLER
- R.A. - REAR ABUTMENT
- R.F. - REAR FACE
- REQ'D. - REQUIRED
- SPA. - SPACING
- STA. - STATION
- T.O.S. - TOP OF SLOPE
- TYP. - TYPICAL
- U.O.N. - UNLESS OTHERWISE NOTED
- VAR. - VARIES
- W/ - WITH



Δ - ITEM 512 - LIMITS OF SEALING CONCRETE SURFACES (EPOXY-URETHANE)



HEADWALL REMOVAL DETAILS

ASD-250-19.88

MODEL: Sheet PAPER: ASD-250-19.88 DATE: 6/16/2021 TIME: 15:44:49 PM USER: jg255 M:\9061\ASD-250-19.88\10356\400-Engineering\Drawings\Sheet\10356_DN001.dgn

HEADWALL AND WINGWALL NOTES
ASD-250-20.02
OVER SCOTT RUN

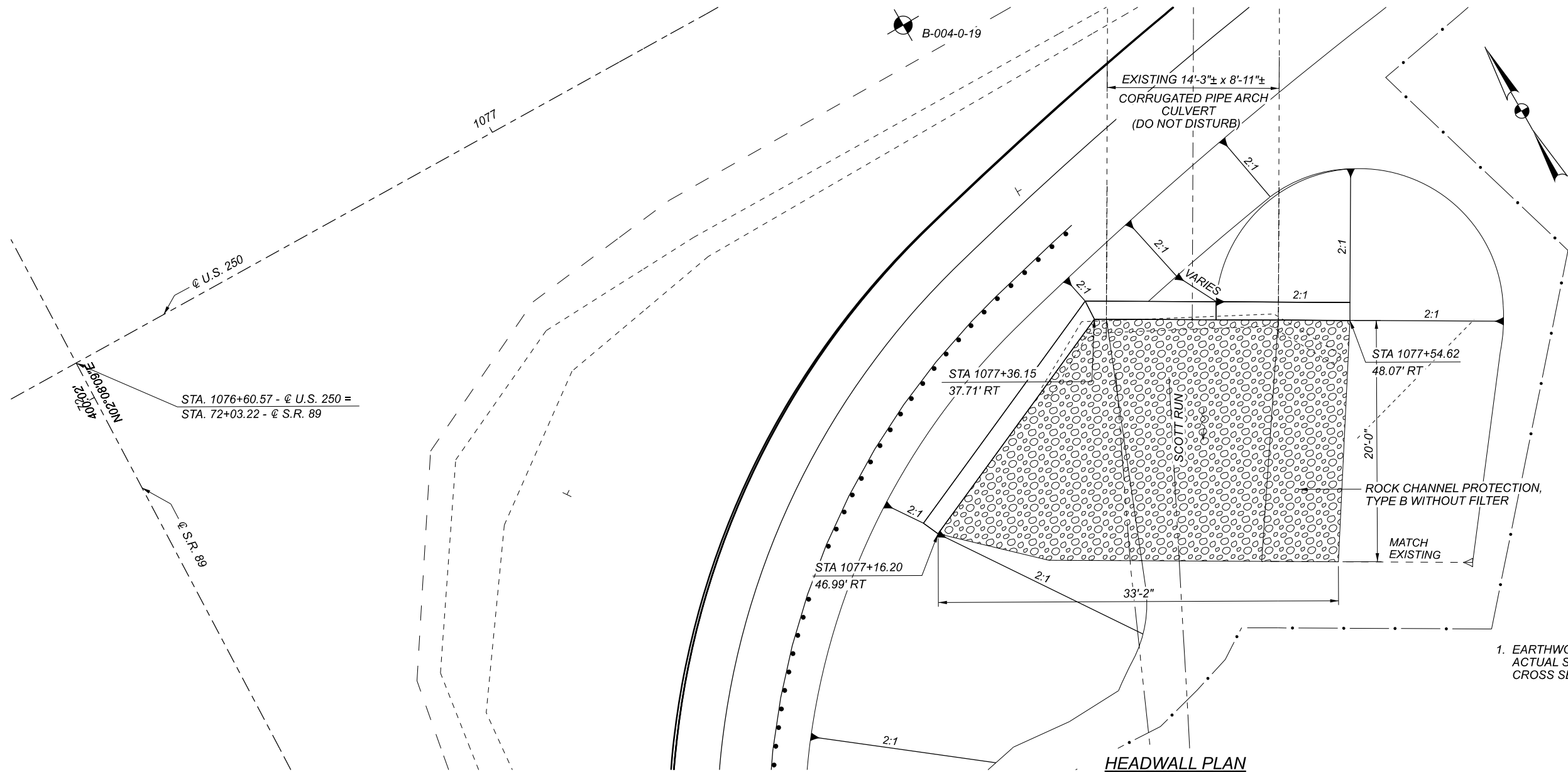
SFN	0305103
DESIGN AGENCY	
ENGINEERING ASSOCIATES	INC
1935 EAGLE PASS WOOSTER, OHIO 44691 PHONE: (330) 345-6556 www.eaohio.com	
DESIGNER	CHECKER
HK	ACB
REVIEWER	
SDS	3-2-20
PROJECT ID	110356
SUBSET	TOTAL
1	5
SHEET	TOTAL
51	85

CALC.: HK DATE: 4/2020
 CHECKED: ACB DATE: 4/2020

BENCHMARK DATA		
BENCHMARK NO. 1	EL. 1058.78	OFFSET 23.64' LT.
STA. 1077+02.52	3/4" REBAR W/ 3" ALUMINUM CAP MARKED PROJECT CONTROL	
BENCHMARK NO. 5	EL. 1059.17	OFFSET 249.45' RT.
STA. 1076+40.35	5/8" REBAR W/ CAP MARKED CONTROL POINT	

ESTIMATED QUANTITIES					
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	SEE STRUCTURE SHEET
202	20011	1	EACH	HEADWALL REMOVED, AS PER PLAN	1/5
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING	
503	21100	92	CY	UNCLASSIFIED EXCAVATION	
509	10000	5698	LB	EPOXY COATED REINFORCING STEEL	
511	46010	15	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
511	46510	33	CY	CLASS QC1 CONCRETE, FOOTING	
511	46610	5	CY	CLASS QC1 CONCRETE, HEADWALL	
512	10100	33	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13200	28	SF	1/2" PREFORMED EXPANSION JOINT FILLER	
518	21200	8	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
601	34100	50	CY	ROCK CHANNEL PROTECTION, TYPE B WITHOUT FILTER	1/5

HEADWALL AND WINGWALL QUANTITIES
 ASD-250-20.02
 OVER SCOTT RUN



HEADWALL PLAN

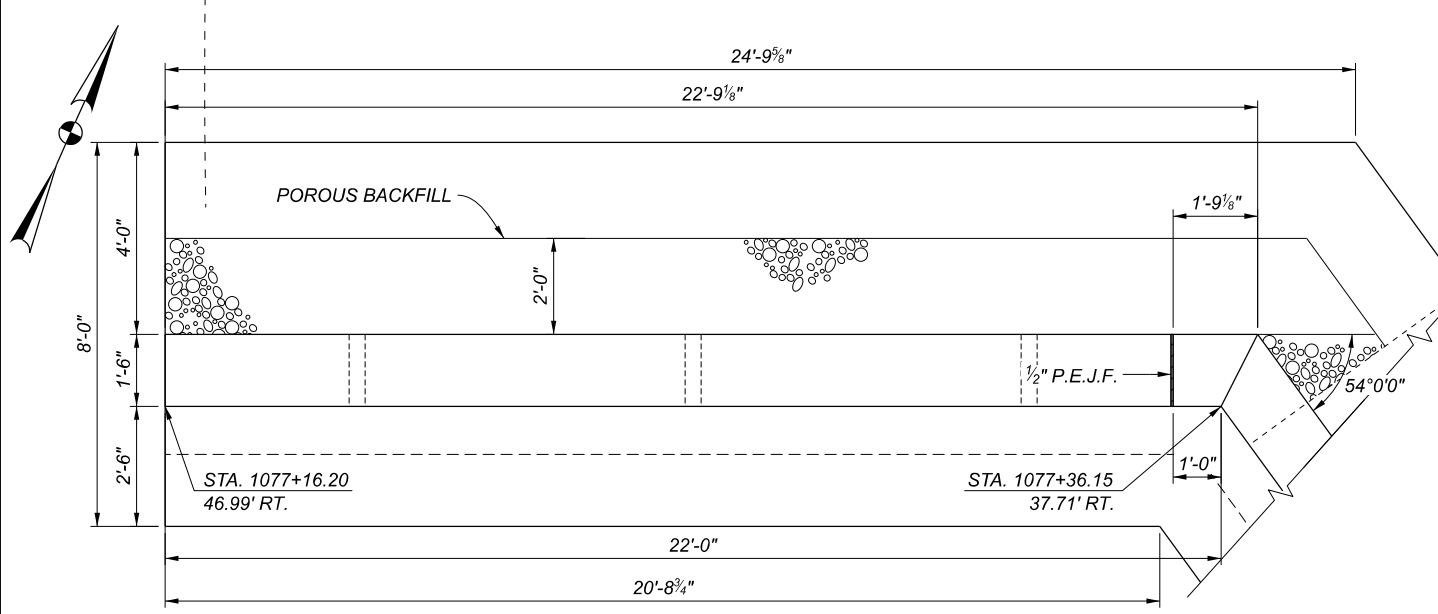
NOTE

1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

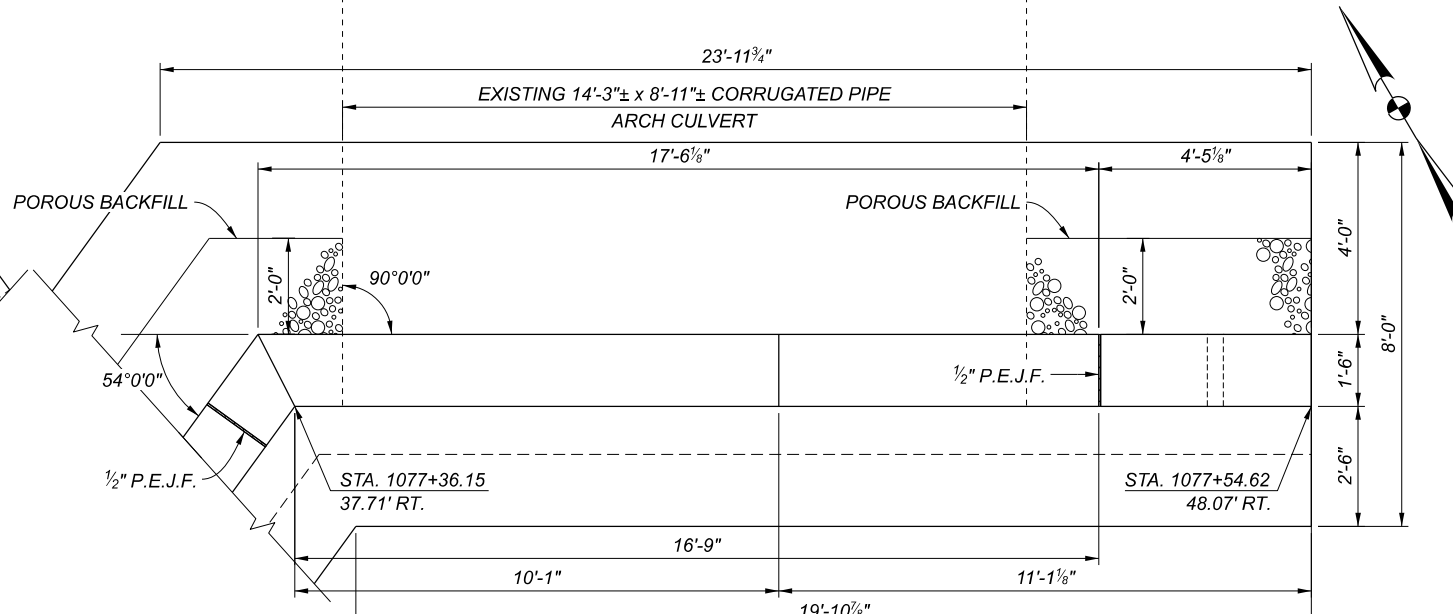
ASD-250-19.88

MODEL: Sheet PAPER: 1:41667x0.91667 (ft.) DATE: 6/16/2021 TIME: 4:54:55 PM USER: jg255
 M:\1906\ASD-250-20.00\10356\400-Engineering\Drawings\Sheet\10356_D0001.dgn

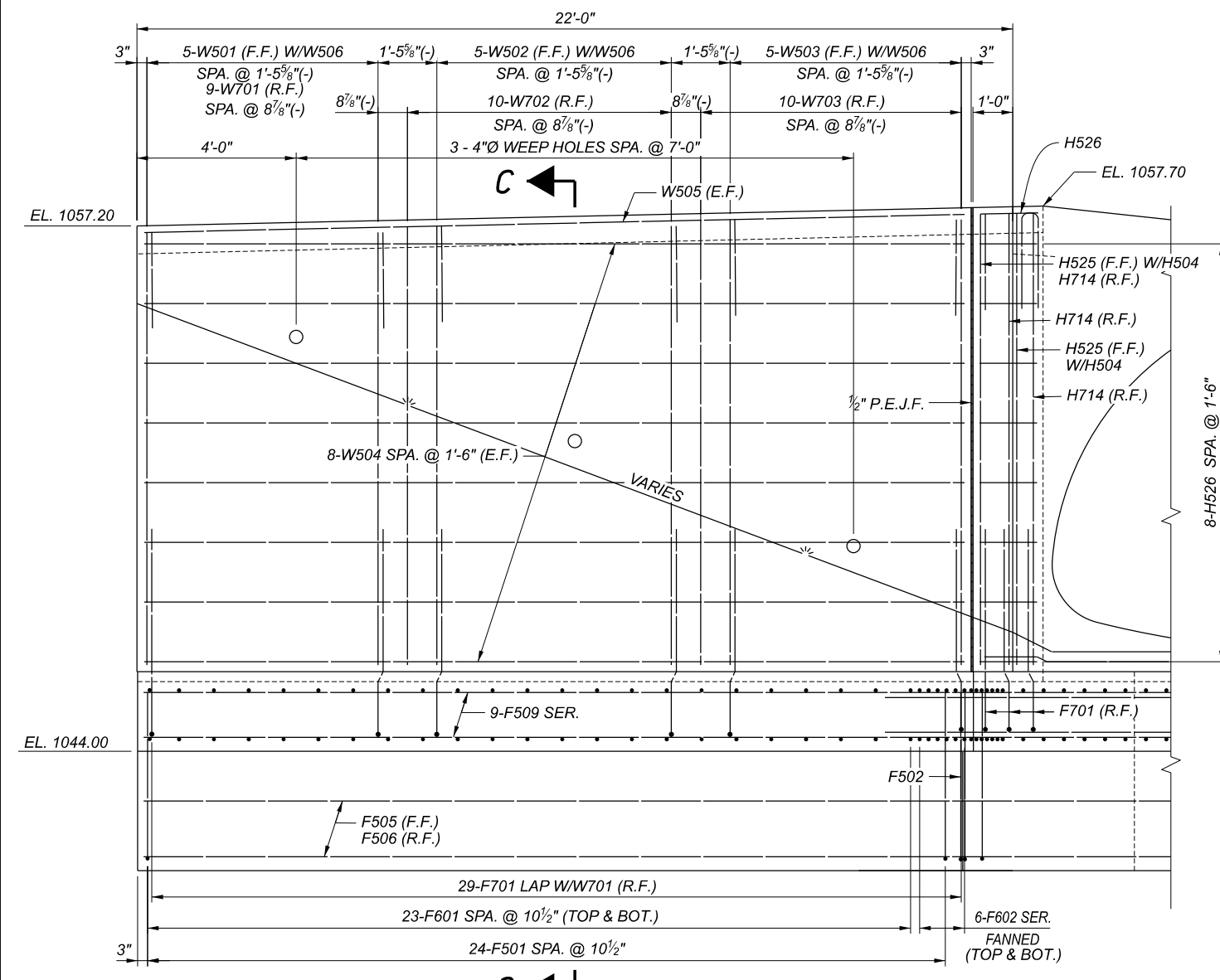
SFN	0305103
DESIGN AGENCY	
ENGINEERING ASSOCIATES	INC
1935 EAGLE PASS WOOSTER, OHIO 44691 PHONE: (330) 345-6556 www.eaohio.com	
DESIGNER	CHECKER
HK	ACB
REVIEWER	
SDS	3-2-20
PROJECT ID	110356
SUBSET	TOTAL
2	5
SHEET	TOTAL
52	85



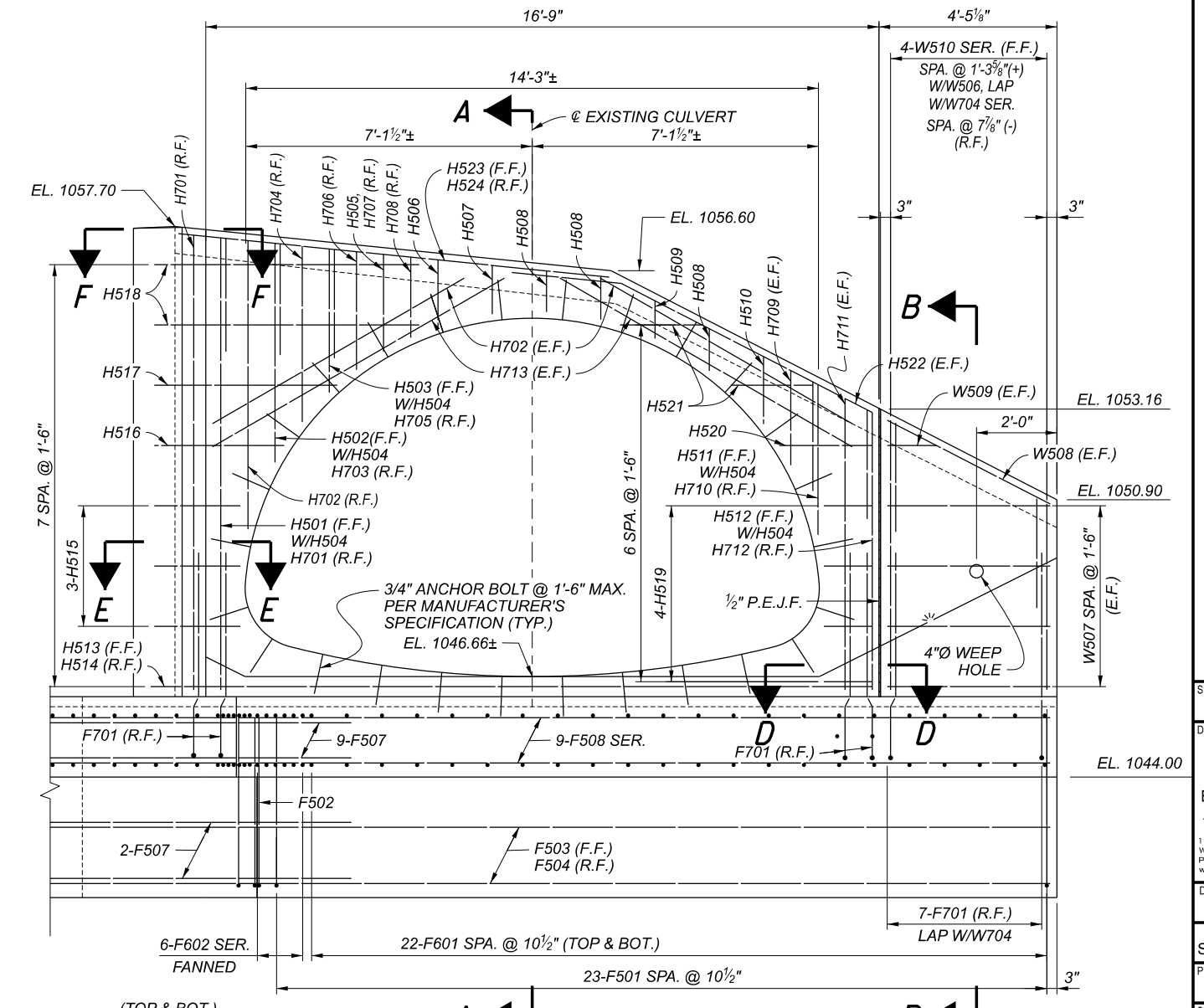
SOUTHWEST WINGWALL PLAN



HEADWALL AND SOUTHWEST WINGWALL PLAN



SOUTHWEST WINGWALL ELEVATION

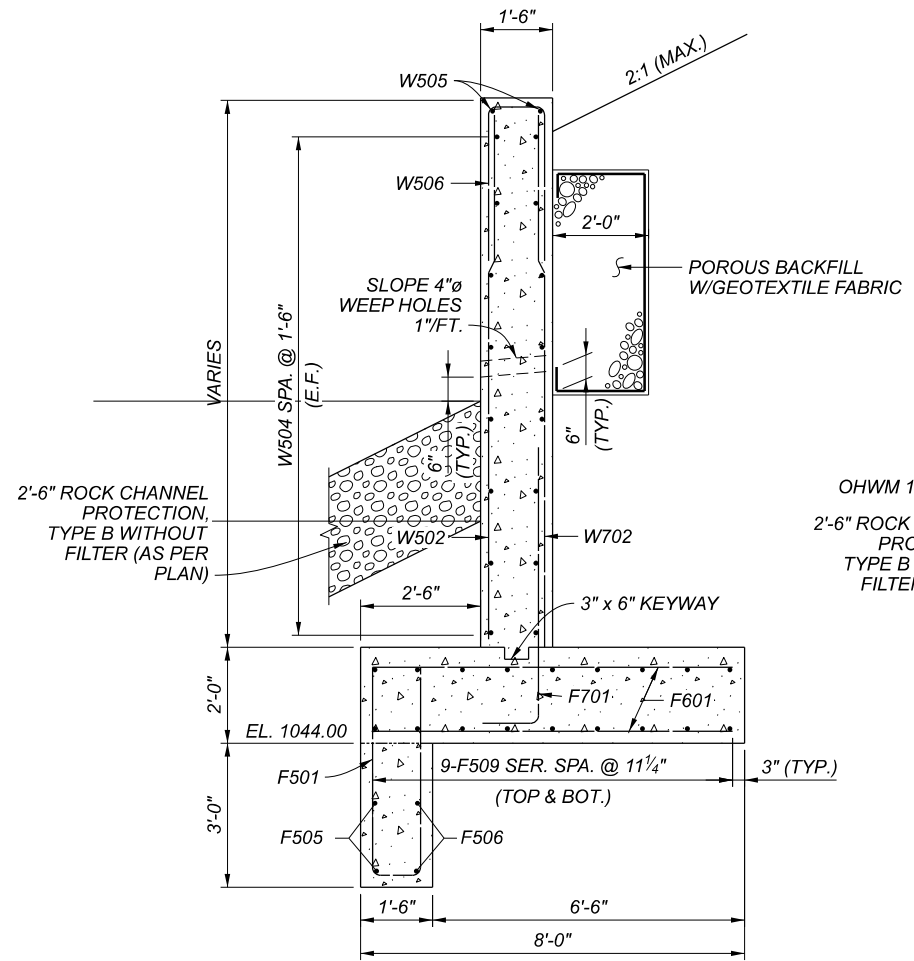


HEADWALL AND SOUTHWEST WINGWALL ELEVATION

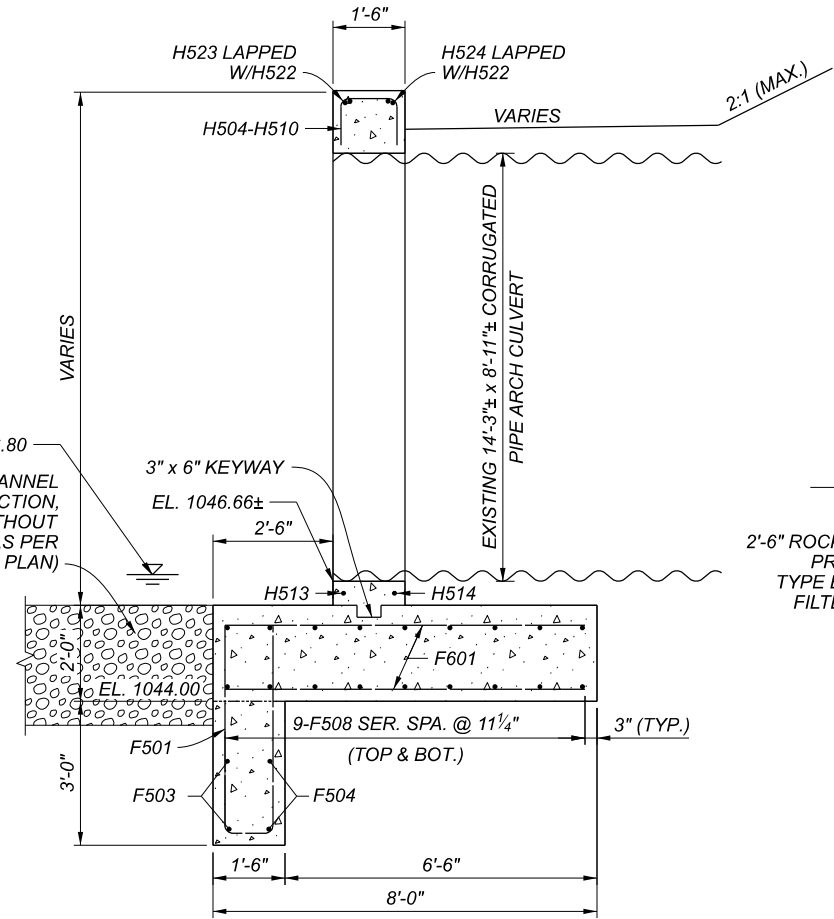
NOTE 1. FOR NOTES AND DETAILS SEE SHEET 4/5

CULVERT HEADWALL PLAN AND ELEVATION
 ASD-250-20.02
 OVER SCOTT RUN

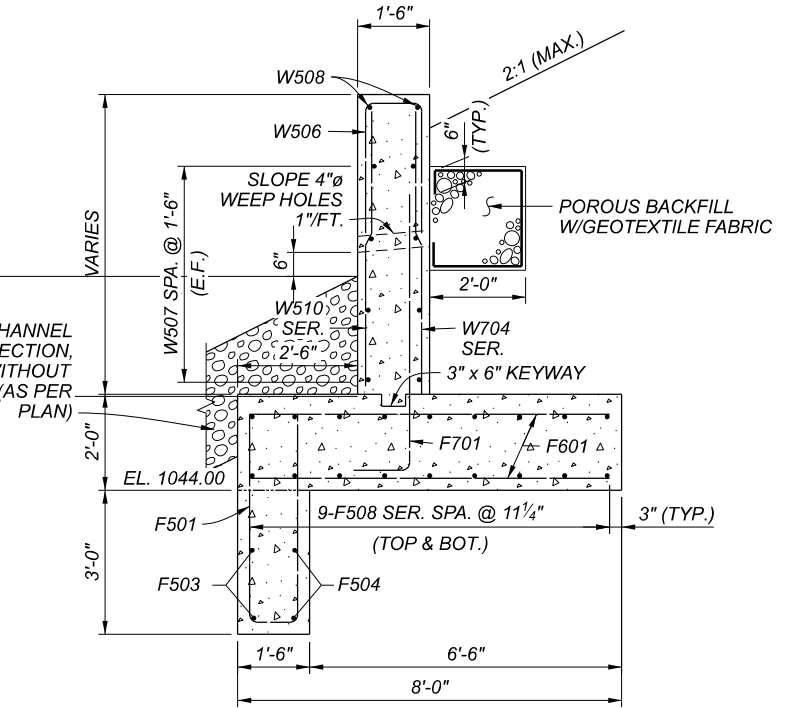
SFN	0305103
DESIGN AGENCY	
ENGINEERING ASSOCIATES INC.	
1935 EAGLE PASS WOOSTER, OHIO 44691 PHONE: (330) 345-6556 WWW.EA3010.COM	
DESIGNER	CHECKER
HK	ACB
REVIEWER	
SDS	3-2-20
PROJECT ID	110356
SUBSET	TOTAL
3	5
SHEET	TOTAL
53	85



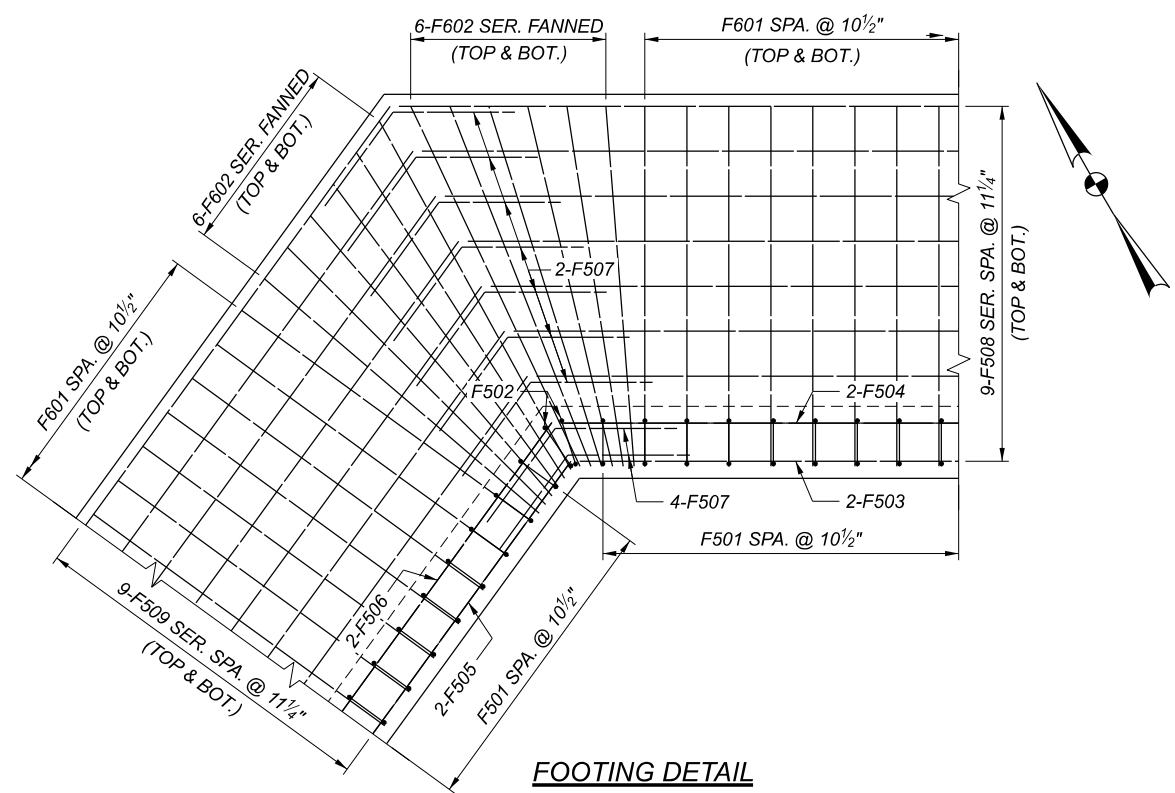
SECTION C-C



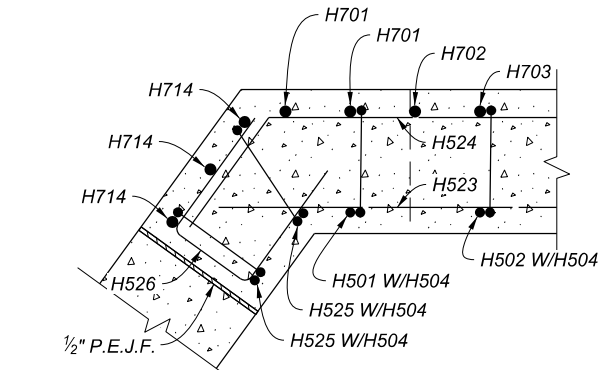
SECTION A-A



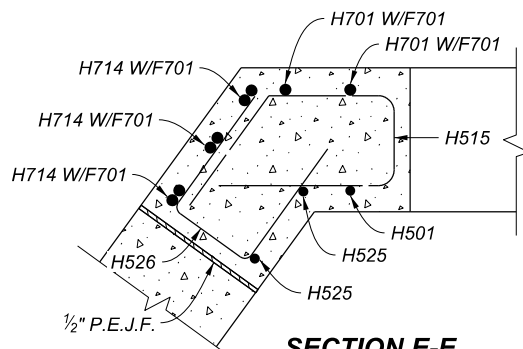
SECTION B-B



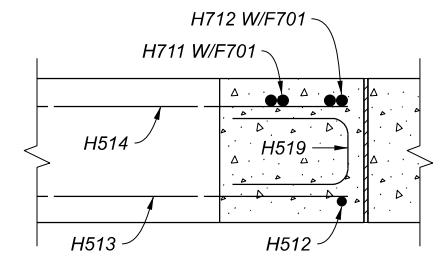
FOOTING DETAIL



SECTION F-F



SECTION E-E



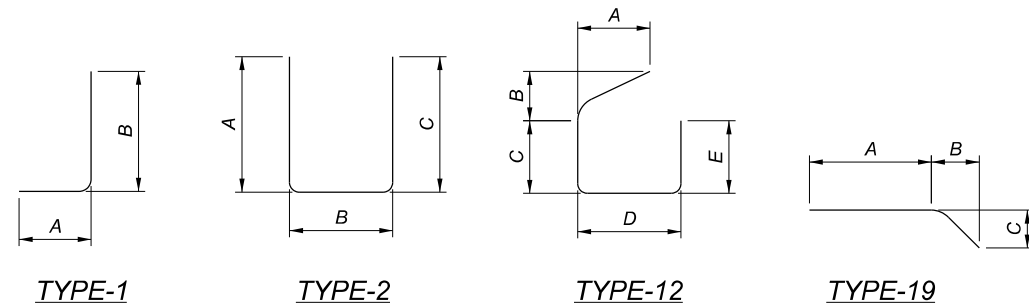
SECTION D-D

- NOTES**
- FOR ABBREVIATIONS SEE SHEET 1/5.
 - FOR LOCATION OF SECTIONS A-A, B-B, C-C, D-D, E-E AND F-F SEE SHEET 3/5.

SFN 0305103	
DESIGN AGENCY	
ENGINEERING ASSOCIATES INC	
1935 EAGLE PASS WOODSTER, OHIO 44691 PHONE: (330) 345-6556 www.eaohio.com	
DESIGNER HK	CHECKER ACB
REVIEWER	
SDS 4	3-2-20 5
PROJECT ID 110356	
SUBSET 4	TOTAL 5
SHEET 54	TOTAL 85

REINFORCING STEEL LIST

MARK	NUMBER	LENGTH	TYPE	A	B	C	D	E	INC.	WEIGHT
H501	1	11'-3"	STR							12
H502	1	5'-5"	STR							6
H503	1	3'-6"	STR							4
H504	7	6'-3"	2	2'-8"	1'-2"	2'-8"				46
H505	1	5'-9"	2	2'-5"	1'-2"	2'-5"				6
H506	1	4'-11"	2	2'-0"	1'-2"	2'-0"				5
H507	1	3'-3"	2	1'-2"	1'-2"	1'-2"				3
H508	3	2'-11"	2	1'-0"	1'-2"	1'-0"				9
H509	1	2'-9"	2	11"	1'-2"	11"				3
H510	1	4'-3"	2	1'-8"	1'-2"	1'-8"				4
H511	1	3'-8"	STR							4
H512	1	6'-9"	STR							7
H513	1	17'-7"	STR							18
H514	1	18'-7"	19	17'-3"	9 1/2"	1'-1"				19
H515	3	5'-9"	12	1'-1"	9 1/2"	1'-6"	1'-0 1/2"	2'-2"		18
H516	1	8'-1"	12	1'-1"	9 1/2"	2'-8"	1'-0 1/2"	3'-4"		8
H517	1	10'-8"	12	1'-1"	9 1/2"	3'-11 1/2"	1'-0 1/2"	4'-7 1/2"		11
H518	2	14'-9"	12	1'-1"	9 1/2"	6'-0"	1'-0 1/2"	6'-8"		31
H519	4	3'-1"	2	1'-2"	1'-0 1/2"	1'-2"				13
H520	1	5'-3"	2	2'-3"	1'-0 1/2"	2'-3"				5
H521	2	4'-9"	2	2'-0"	1'-0 1/2"	2'-0"				10
H522	2	9'-9"	19	7'-4"	2'-3"	10 5/8"				20
H523	1	11'-1"	STR							12
H524	1	12'-3"	19	10'-9"	10 3/4"	1'-2 3/4"				13
H525	2	11'-4"	STR							24
H526	9	3'-7"	2	1'-5"	1'-0 1/2"	1'-5"				34
H701	2	11'-3"	STR							46
H702	5	7'-2"	STR							73
H703	1	5'-5"	STR							11
H704	1	4'-4"	STR							9
H705	1	3'-6"	STR							7
H706	1	2'-11"	STR							6
H707	1	5'-9"	STR							12
H708	1	2'-0"	STR							4
H709	1	2'-4"	STR							5
H710	1	3'-8"	STR							7
H711	1	7'-3"	STR							15
H712	1	6'-10"	STR							14
H713	4	8'-4"	STR							68
H714	3	11'-4"	STR							69
SUBTOTAL										691



BENDING DIAGRAMS

REINFORCING STEEL LIST

MARK	NUMBER	LENGTH	TYPE	A	B	C	D	E	INC.	WEIGHT
F501	47	9'-9"	2	4'-5"	1'-2"	4'-5"				478
F502	2	9'-10"	2	4'-5"	1'-3"	4'-5"				21
F503	2	19'-8"	STR							41
F504	2	20'-3"	STR							42
F505	2	20'-6"	STR							43
F506	2	21'-2"	STR							44
F507	22	5'-1"	19	2'-7"	1'-6 1/4"	2'-1"				117
F508	2 SER. OF 9	19'-8" TO 23'-7"	STR						5 7/8"	406
F509	2 SER. OF 9	20'-6" TO 24'-5"	STR						5 7/8"	422
F601	90	7'-6"	STR							1014
F602	4 SER. OF 6	7'-6" TO 8'-3"	STR						1 13/16"	284
F701	43	6'-10"	1	1'-2"	5'-10"					601
W501	5	10'-11"	STR							57
W502	5	11'-1"	STR							58
W503	5	11'-4"	STR							59
W504	16	20'-6"	STR							342
W505	2	20'-7"	STR							43
W506	19	6'-3"	2	2'-8"	1'-2"	2'-8"				124
W507	8	4'-0"	STR							33
W508	2	4'-6"	STR							9
W509	2	1'-2"	STR							2
W510	1 SER. OF 4	4'-8" TO 6'-11"	STR						9"	24
W701	9	10'-11"	STR							201
W702	10	11'-1"	STR							227
W703	10	11'-4"	STR							232
W704	1 SER. OF 7	4'-8" TO 6'-11"	STR						4 1/2"	83
SUBTOTAL										5007
TOTAL										5698

NOTES

- ALL REINFORCING STEEL SHALL BE EPOXY COATED.
- BAR DIMENSIONS SHOWN ARE OUT TO OUT OF BAR EXCEPT RADIUS DIMENSIONS WHICH ARE TO THE INSIDE OF THE BAR. INCREMENT IN TABLE DENOTES VARIATIONS IN THE OVERALL LENGTH OF THE BAR.

NOTE:

STATIONS, OFFSETS, COORDINATES AND DESCRIPTIONS FOR THE POINT IDENTIFIERS CAN BE FOUND ON SHEETS 3 AND 4.

GENERAL FARM, CAUV

①
 A B C D E

JOHN DRUSHEL
 460 U.S. HIGHWAY 250 E
 ASHLAND, OHIO 44805

APN K32-018-0-0015-00
 T.M.P. L & L-1
 167.348 AC
 OR 319, PG 882

AGRICULTURAL FIELD

RESIDENTIAL VACANT

⑤
 A B C

DANIEL M. STONE AND
 JILL E. STONE
 ST. RT. 89
 ASHLAND, OHIO 44805

APN K32-018-0-0013-03
 T.M.P. H-07
 3.138 AC
 OR 478, PG 981

WEEDS

ASD-250-19.88

ASHLAND COUNTY, OHIO

PERRY TOWNSHIP

S.W. & S.E. QUARTERS SECTION 18

N.W. & N.E. QUARTERS SECTION 19

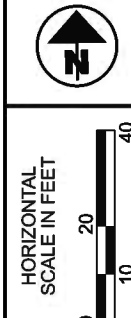
T 22N, R 15W

CONGRESS LANDS

NORTH OF OLD SEVEN RANGES

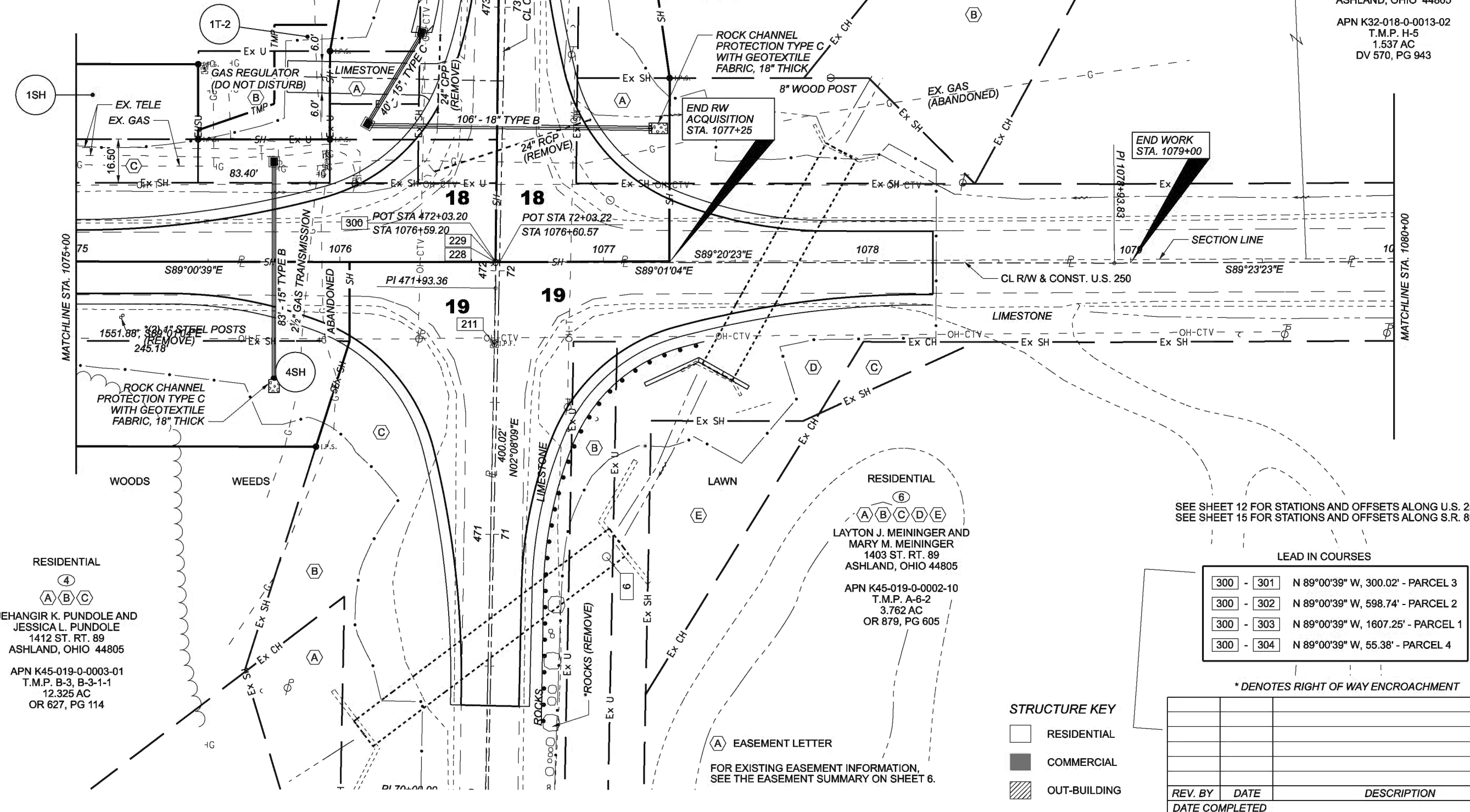
⑤
 DANIEL M. STONE AND
 JILL E. STONE
 444 U.S. RT. 250
 ASHLAND, OHIO 44805

APN K32-018-0-0013-02
 T.M.P. H-5
 1.537 AC
 DV 570, PG 943



RIGHT OF WAY TOPO SHEET - U.S. 250
 STA. 1075+00 TO STA. 1080+00

SUBSET	TOTAL
11	15
DESIGN AGENCY	
ENGINEERING ASSOCIATES INC.	
1939 East Z. Parrish WOODSTOCK, OHIO 44691 PHONE: (830) 345-6556 www.eaohio.com	
DESIGNER	BMW
REVIEWER	
WDT	7/23/2020
PROJECT ID	110356
SHEET	TOTAL
75	85



SEE SHEET 12 FOR STATIONS AND OFFSETS ALONG U.S. 250
 SEE SHEET 15 FOR STATIONS AND OFFSETS ALONG S.R. 89

LEAD IN COURSES

300 - 301	N 89°00'39" W, 300.02' - PARCEL 3
300 - 302	N 89°00'39" W, 598.74' - PARCEL 2
300 - 303	N 89°00'39" W, 1607.25' - PARCEL 1
300 - 304	N 89°00'39" W, 55.38' - PARCEL 4

* DENOTES RIGHT OF WAY ENCROACHMENT

STRUCTURE KEY

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

(A) EASEMENT LETTER
 FOR EXISTING EASEMENT INFORMATION,
 SEE THE EASEMENT SUMMARY ON SHEET 6.

RESIDENTIAL
 ④
 A B C
 JEHANGIR K. PUNDOLÉ AND
 JESSICA L. PUNDOLÉ
 1412 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0003-01
 T.M.P. B-3, B-3-1-1
 12.325 AC
 OR 627, PG 114

RESIDENTIAL
 ⑥
 A B C D E
 LAYTON J. MEININGER AND
 MARY M. MEININGER
 1403 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0002-10
 T.M.P. A-6-2
 3.762 AC
 OR 879, PG 605

GENERAL FARM, CAUV
 ①
 A B C D E
 JOHN DRUSHEL
 460 U.S. HIGHWAY 250 E
 ASHLAND, OHIO 44805
 APN K32-018-0-0015-00
 T.M.P. L & L-1
 167.348 AC
 OR 319, PG 882

RESIDENTIAL
 ④
 A B C
 JEHANGIR K. PUNDOLLE AND
 JESSICA L. PUNDOLLE
 1412 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0003-01
 T.M.P. B-3, B-3-1-1
 12.325 AC
 OR 627, PG 114

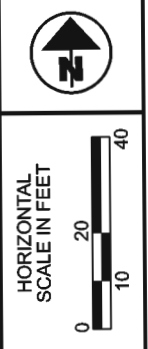
RESIDENTIAL VACANT
 ⑤
 A B C
 DANIEL M. STONE AND
 JILL E. STONE
 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K32-018-0-0013-03
 T.M.P. H-7
 3.138 AC
 OR 478, PG 981

⑤
 DANIEL M. STONE AND
 JILL E. STONE
 444 U.S. RT. 250
 ASHLAND, OHIO 44805
 APN K32-018-0-0013-02
 T.M.P. H-5
 1.537 AC
 DV 570, PG 943

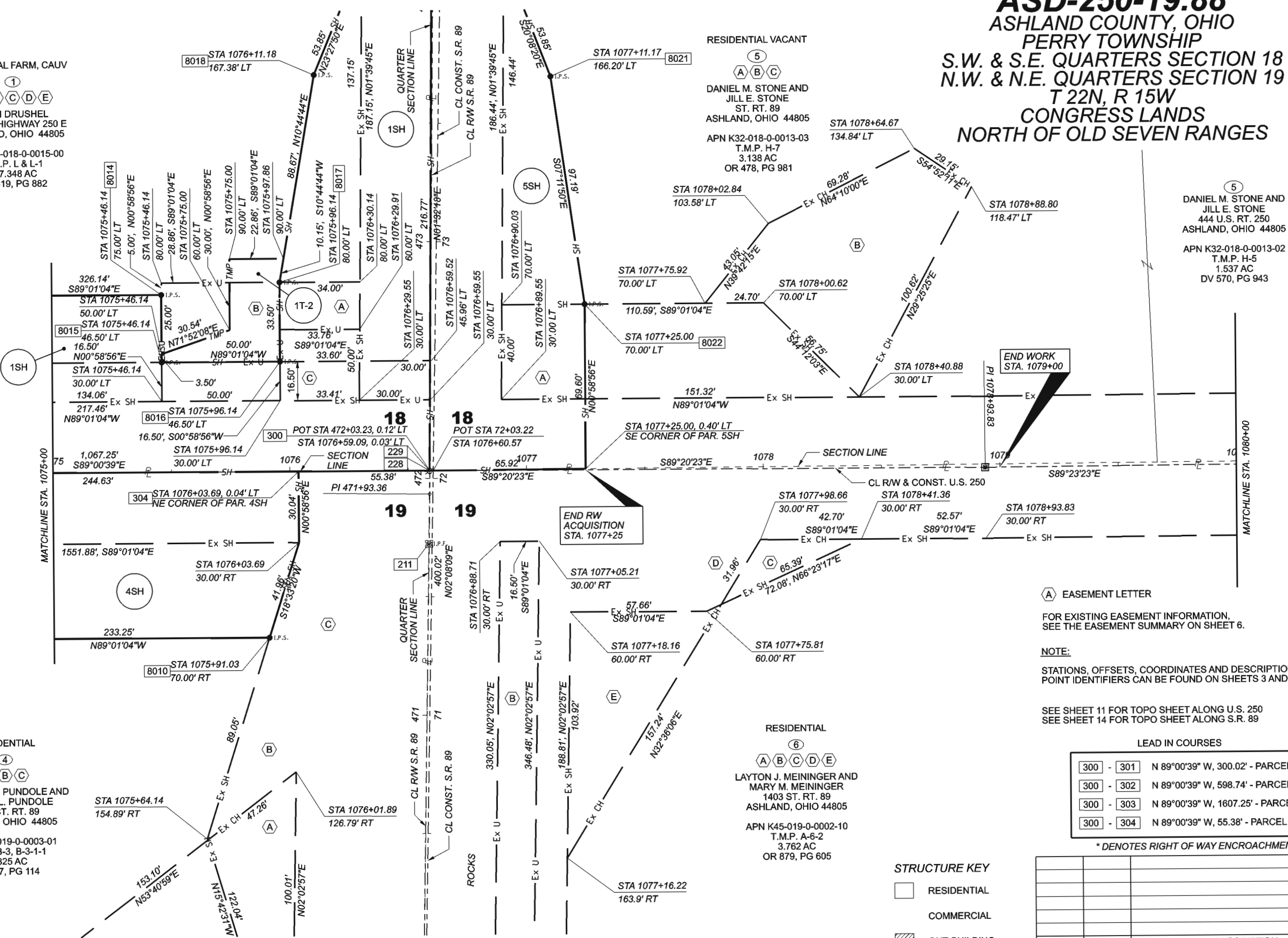
RESIDENTIAL
 ⑥
 A B C D E
 LAYTON J. MEININGER AND
 MARY M. MEININGER
 1403 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0002-10
 T.M.P. A-6-2
 3.762 AC
 OR 879, PG 605

ASD-250-19.88

ASHLAND COUNTY, OHIO
 PERRY TOWNSHIP
 S.W. & S.E. QUARTERS SECTION 18
 N.W. & N.E. QUARTERS SECTION 19
 T 22N, R 15W
 CONGRESS LANDS
 NORTH OF OLD SEVEN RANGES



RIGHT OF WAY BOUNDARY SHEET - U.S. 250
 STA. 1075+00 TO STA. 1080+00



Ⓐ EASEMENT LETTER

FOR EXISTING EASEMENT INFORMATION,
 SEE THE EASEMENT SUMMARY ON SHEET 6.

NOTE:

STATIONS, OFFSETS, COORDINATES AND DESCRIPTIONS FOR THE
 POINT IDENTIFIERS CAN BE FOUND ON SHEETS 3 AND 4.

SEE SHEET 11 FOR TOPO SHEET ALONG U.S. 250
 SEE SHEET 14 FOR TOPO SHEET ALONG S.R. 89

LEAD IN COURSES

300	-	301	N 89°00'39" W, 300.02' - PARCEL 3
300	-	302	N 89°00'39" W, 598.74' - PARCEL 2
300	-	303	N 89°00'39" W, 1607.25' - PARCEL 1
300	-	304	N 89°00'39" W, 55.38' - PARCEL 4

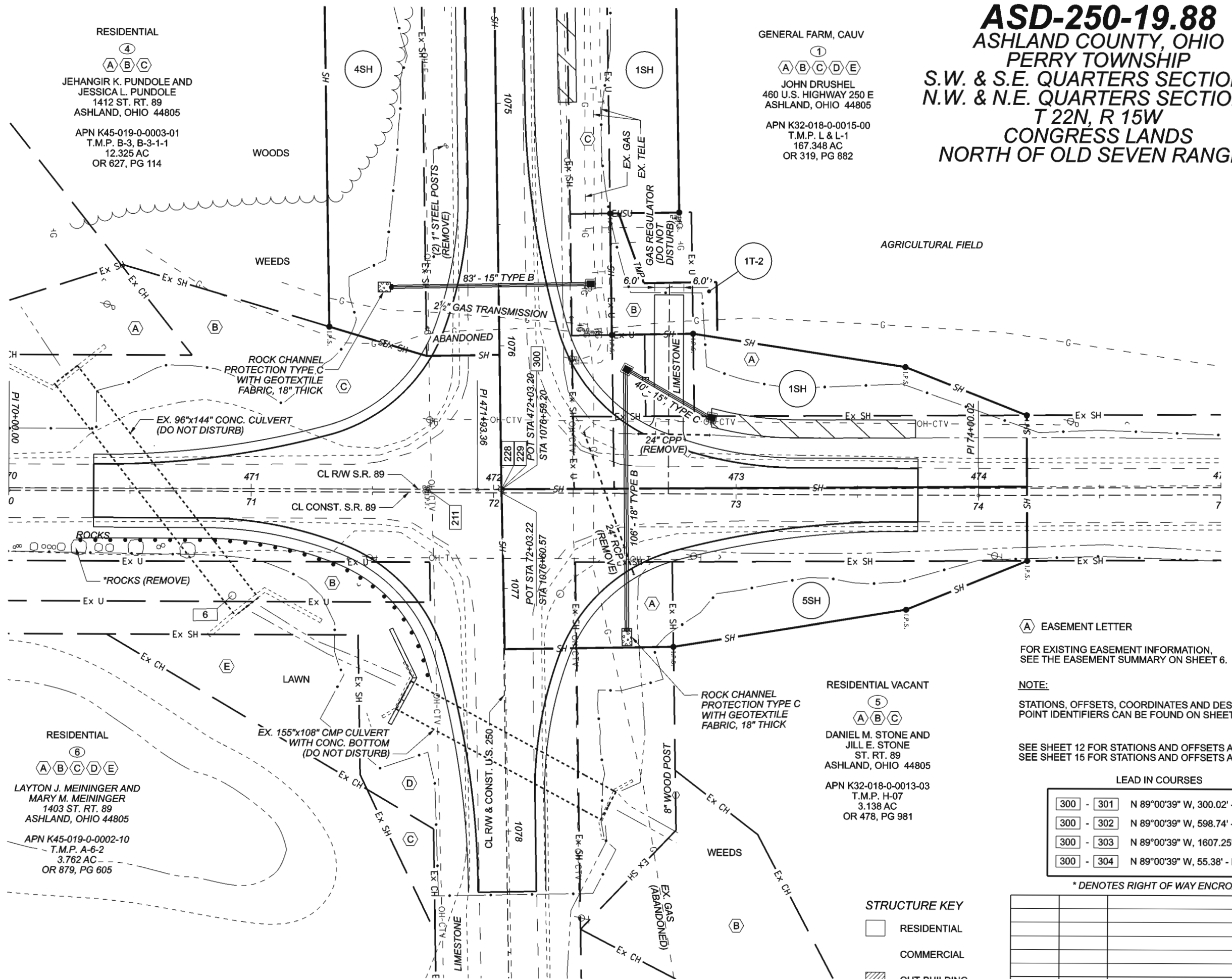
* DENOTES RIGHT OF WAY ENCROACHMENT

STRUCTURE KEY

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

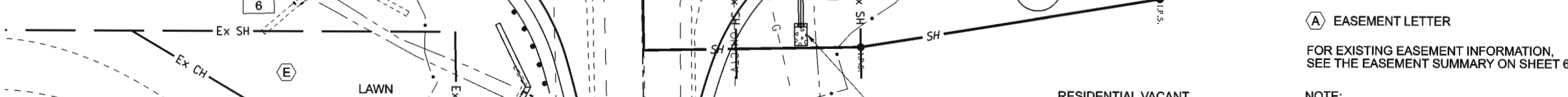
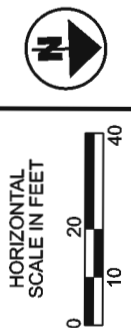
SUBSET	TOTAL
12	15
DESIGN AGENCY	
ENGINEERING ASSOCIATES INC.	
1935 EARLY PASS WOODSTER, OHIO 44691 PHONE: (330) 349-6556 www.eaoohio.com	
DESIGNER	
BMW	
REVIEWER	
WDT 7/23/2020	
PROJECT ID	
110356	
SHEET	TOTAL
76	85



RESIDENTIAL
 ④
 (A)(B)(C)
 JEHANGIR K. PUNDOLE AND
 JESSICA L. PUNDOLE
 1412 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0003-01
 T.M.P. B-3, B-3-1-1
 12.325 AC
 OR 627, PG 114

GENERAL FARM, CAUV
 ①
 (A)(B)(C)(D)(E)
 JOHN DRUSHEL
 460 U.S. HIGHWAY 250 E
 ASHLAND, OHIO 44805
 APN K32-018-0-0015-00
 T.M.P. L & L-1
 167.348 AC
 OR 319, PG 882

ASD-250-19.88
 ASHLAND COUNTY, OHIO
 PERRY TOWNSHIP
 S.W. & S.E. QUARTERS SECTION 18
 N.W. & N.E. QUARTERS SECTION 19
 T 22N, R 15W
 CONGRESS LANDS
 NORTH OF OLD SEVEN RANGES



(A) EASEMENT LETTER
 FOR EXISTING EASEMENT INFORMATION,
 SEE THE EASEMENT SUMMARY ON SHEET 6.

NOTE:
 STATIONS, OFFSETS, COORDINATES AND DESCRIPTIONS FOR THE
 POINT IDENTIFIERS CAN BE FOUND ON SHEETS 3 AND 4.

SEE SHEET 12 FOR STATIONS AND OFFSETS ALONG U.S. 250
 SEE SHEET 15 FOR STATIONS AND OFFSETS ALONG S.R. 89

LEAD IN COURSES

300	-	301	N 89°00'39" W, 300.02' - PARCEL 3
300	-	302	N 89°00'39" W, 598.74' - PARCEL 2
300	-	303	N 89°00'39" W, 1607.25' - PARCEL 1
300	-	304	N 89°00'39" W, 55.38' - PARCEL 4

* DENOTES RIGHT OF WAY ENCROACHMENT

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

RIGHT OF WAY DETAIL SHEET - S.R. 89
 STA. 70+00 TO STA. 75+00

SUBSET	TOTAL
14	15

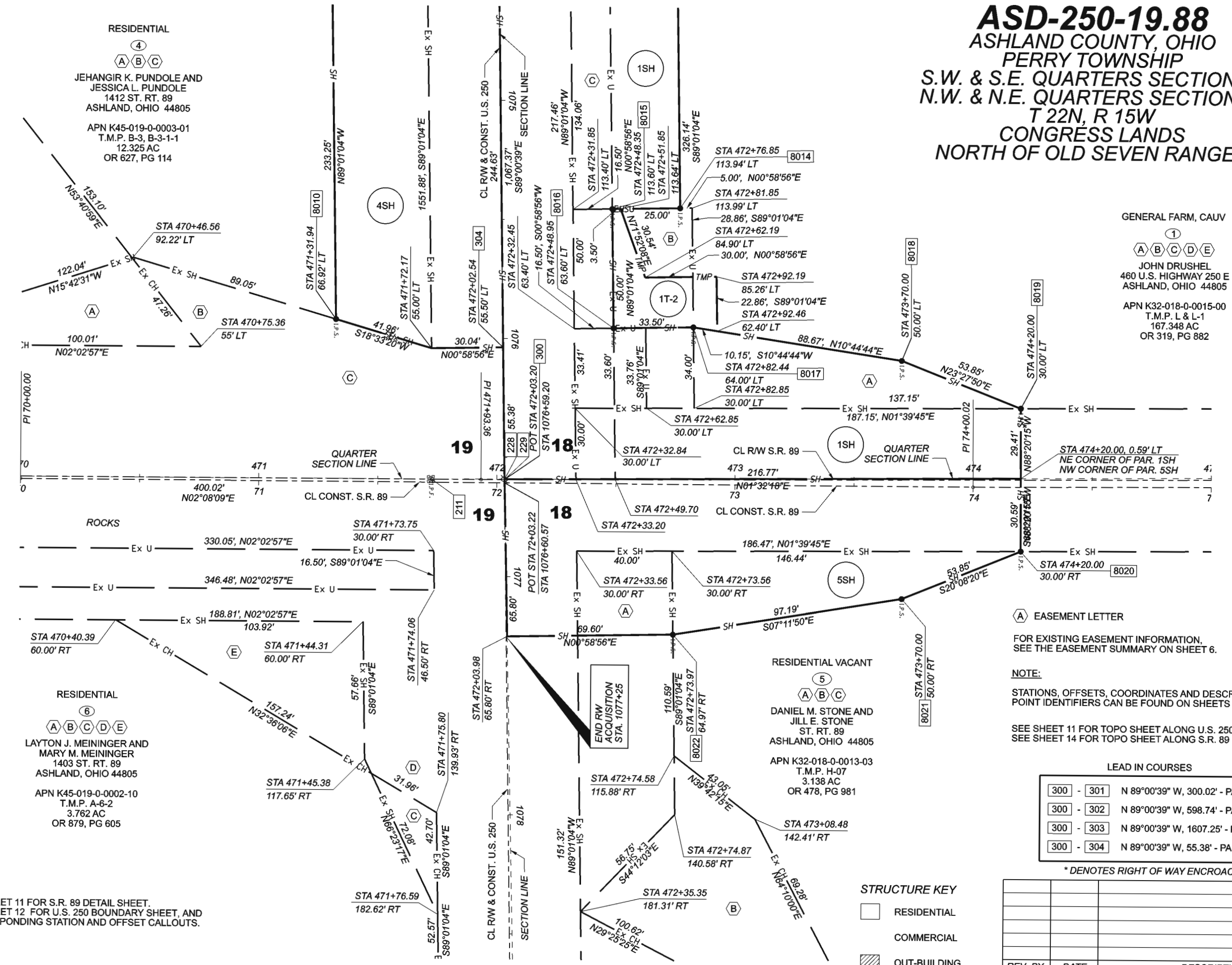
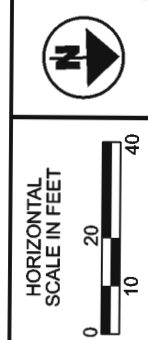
DESIGN AGENCY

ENGINEERING ASSOCIATES
 INC.
 1935 EAGLE PASS
 WOODSTOCK, OHIO 44691
 PHONE: (330) 345-6556
 www.eaohio.com

DESIGNER	BMW
REVIEWER	WDT
DATE	7/23/2020
PROJECT ID	110356
SHEET	78
TOTAL	85

ASD-250-19.88

ASHLAND COUNTY, OHIO
 PERRY TOWNSHIP
 S.W. & S.E. QUARTERS SECTION 18
 N.W. & N.E. QUARTERS SECTION 19
 T 22N, R 15W
 CONGRESS LANDS
 NORTH OF OLD SEVEN RANGES



RESIDENTIAL
 (4)
 (A)(B)(C)
 JEHANGIR K. PUNDOLÉ AND
 JESSICA L. PUNDOLÉ
 1412 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0003-01
 T.M.P. B-3, B-3-1-1
 12.325 AC
 OR 627, PG 114

GENERAL FARM, CAUV
 (1)
 (A)(B)(C)(D)(E)
 JOHN DRUSHEL
 460 U.S. HIGHWAY 250 E
 ASHLAND, OHIO 44805
 APN K32-018-0-0015-00
 T.M.P. L & L-1
 167.348 AC
 OR 319, PG 882

RESIDENTIAL
 (6)
 (A)(B)(C)(D)(E)
 LAYTON J. MEININGER AND
 MARY M. MEININGER
 1403 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K45-019-0-0002-10
 T.M.P. A-6-2
 3.762 AC
 OR 879, PG 605

RESIDENTIAL VACANT
 (5)
 (A)(B)(C)
 DANIEL M. STONE AND
 JILL E. STONE
 ST. RT. 89
 ASHLAND, OHIO 44805
 APN K32-018-0-0013-03
 T.M.P. H-07
 3.138 AC
 OR 478, PG 981

(A) EASEMENT LETTER
 FOR EXISTING EASEMENT INFORMATION,
 SEE THE EASEMENT SUMMARY ON SHEET 6.

NOTE:
 STATIONS, OFFSETS, COORDINATES AND DESCRIPTIONS FOR THE
 POINT IDENTIFIERS CAN BE FOUND ON SHEETS 3 AND 4.

SEE SHEET 11 FOR TOPO SHEET ALONG U.S. 250
 SEE SHEET 14 FOR TOPO SHEET ALONG S.R. 89

LEAD IN COURSES

300	-	301	N 89°00'39" W, 300.02' - PARCEL 3
300	-	302	N 89°00'39" W, 598.74' - PARCEL 2
300	-	303	N 89°00'39" W, 1607.25' - PARCEL 1
300	-	304	N 89°00'39" W, 55.38' - PARCEL 4

* DENOTES RIGHT OF WAY ENCROACHMENT

STRUCTURE KEY

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

SHEET	TOTAL
79	85

SEE SHEET 11 FOR S.R. 89 DETAIL SHEET.
 SEE SHEET 12 FOR U.S. 250 BOUNDARY SHEET, AND
 CORRESPONDING STATION AND OFFSET CALLOUTS.

RIGHT OF WAY BOUNDARY SHEET - S.R. 89
 STA. 70+00 TO STA. 75+00