

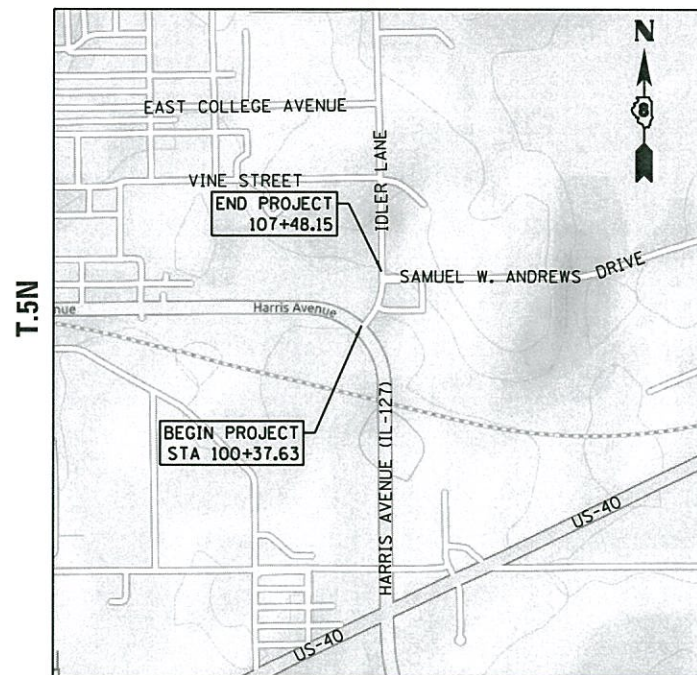
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**STU FUNDS
FAU ROUTE 9836
SECTION 17-00042-01-WR
PROJECT E6WP (405)
IDLER LANE RECONSTRUCTION
CITY OF GREENVILLE
BOND COUNTY**

C-98-247-1B

R.3W

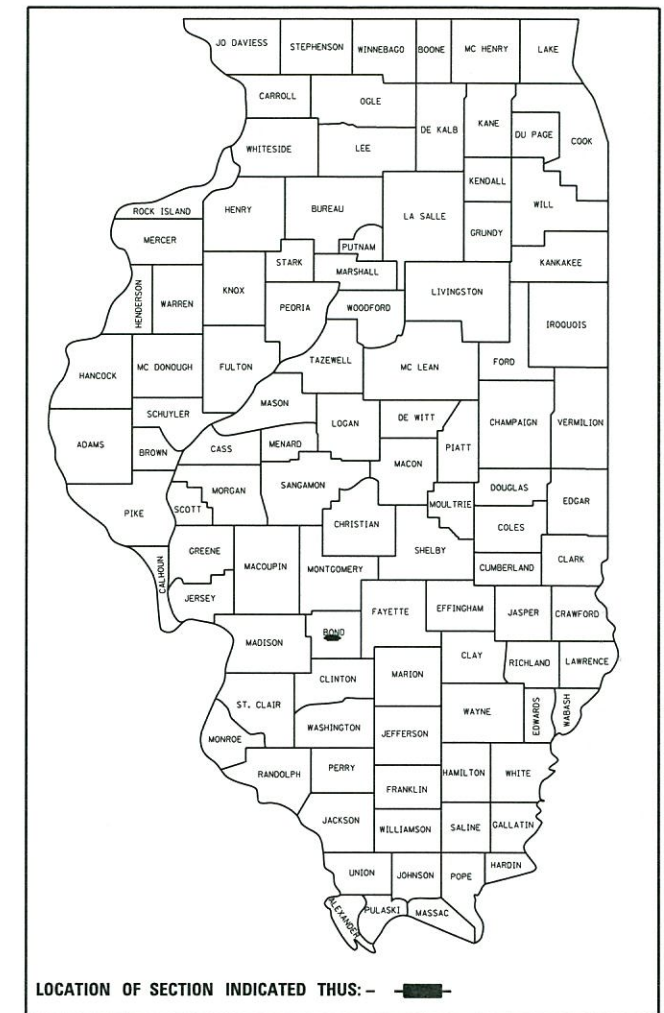


LOCATION MAP



GROSS LENGTH = 710.520 FT. = 0.135 MILE
NET LENGTH = 710.520 FT. = 0.135 MILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	1
		ILLINOIS	CONTRACT NO. 97665	



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

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OF THE STATE OF ILLINOIS**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/14 2017
Alan Gaffner
CITY OF GREENVILLE - MAYOR

12-12 2017
Jeffrey A. Kavanagh
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

1/4 2018
Jeffrey A. Kavanagh
REGIONAL ENGINEER

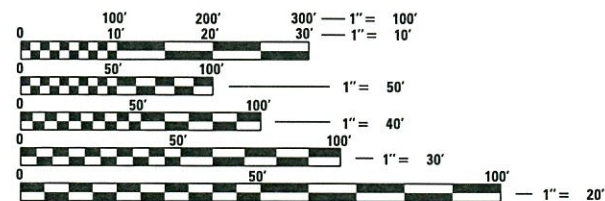
Kent J. Schwierjohn 12/8/17
KENT J. SCHWIERJOHN, P.E.
ILLINOIS REGISTERED ENGINEER NO. 062-066103
REGISTRATION EXPIRES NOV 30, 2019

INDEX OF SHEETS

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- 3-6 SUMMARY OF QUANTITIES
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- 33 PAVEMENT MARKING AND SIGNS
- 34-38 INTERSECTION DETAILS
- 39-41 CONSTRUCTION DETAILS
- 42-64 CROSS SECTIONS

DESIGN CLASSIFICATION

MINOR ARTERIAL (URBAN) ADT = TWO-WAY DHV < 1250
EXISTING ADT = 4200 (2015)
DESIGN ADT = 4604 (2038)
DESIGN SPEED = 30 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PREPARED BY:
HMG
Engineers • Surveyors

LIST OF IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542606-02	REINFORCED CONCRETE PIPE TEE
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-04	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
602402	PRECAST MANHOLE, TYPE A, 5' (1.52 M) DIAMETER
602406-08	PRECAST MANHOLE, TYPE A, 6' (1.83 M) DIAMETER
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604006-05	FRAME AND GRATE, TYPE 3
604011-05	FRAME AND GRATE, TYPE 3V
604086-03	FRAME AND GRATE, TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701502-08	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-07	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782001-01	CURB REFLECTORS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYP. APPL. OF T.C.D. FOR RURAL LOC. HWYS. (2-LANE 2 WAY RURAL TRAFF.) (RD. CLOSED TO THRU TRAFF.)

GENERAL NOTES

1. ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. IN THE SCHEDULE CONTAINING THE PAY ITEM "STORM SEWER REMOVAL" A COLUMN CONTAINS THE APPROXIMATE SIZE AND PIPE MATERIAL FOR THE PIPES TO BE REMOVED. IT IS PROVIDED FOR THE CONVENIENCE OF THE BIDDER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO ANY DISCREPANCIES BETWEEN THE SCHEDULE INFORMATION AND FIELD CONDITIONS.
3. THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
4. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUB-CONTRACTED WORK, REGARDLESS OF FUNDING SOURCE. THE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS SHALL GOVERN CONTRACTUAL REQUIREMENTS FOR SAID ARRANGEMENTS.
5. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION.
6. ALL SAW CUTTING REQUIRED FOR REMOVALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT OF REMOVAL QUANTITIES AND WILL NOT BE PAID FOR SEPARATELY.
7. THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER.
9. ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED AND VEGETATION RE-ESTABLISHED BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
10. ALL ADVANCED WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.
11. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

APPLICATION RATES

FOR MATERIALS:	
AGGREGATE MATERIALS	2.05 TONS/CU YD

COMMITMENTS

THE CITY HAS MADE THE FOLLOWING COMMITMENTS FOR THE PROJECT. COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE. THE FOLLOWING IS A GENERAL SUMMARY AND DOES NOT CONTAIN FULL DETAILS. THE CONTRACTOR SHALL ADHERE TO THESE CONDITIONS.

1. NO COMMITMENTS.

PERMITS

THE FOLLOWING IS A GENERAL SUMMARY AND DOES NOT CONTAIN FULL DETAILS. PERMITS WITH SUPPORTING DOCUMENTATION (SHOWN WITH ASTERISK *) ARE CONTAINED WITHIN THE BID DOCUMENTS.

- *IEPA NPDES STORM WATER PERMIT: THE PROJECT HAS A NPDES STORM WATER PERMIT. MONITORING AND CERTIFICATIONS STATEMENTS WILL BE REQUIRED.
- IEPA BURN PERMIT: THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FOR SAID PERMIT PENDING THEIR ELECTED METHOD OF BRUSH / TREE DISPOSAL.
- ESR - BIOLOGICAL, WETLAND, CULTURAL AND SPECIAL WASTE CLEARANCES HAVE BEEN OBTAINED.

KNOWN UTILITY COMPANIES

Ameren IP (GAS & ELECTRIC)
John Rapp
(217) 532-8200

CITY OF GREENVILLE (WATER & SEWER)
BILL GRIDER
(618) 435-7380

NEW WAVE COMMUNICATIONS (COMMUNICATIONS)
ROBERT EVRLEY
(217) 287-7992

STATE OF IL - CMS (COMMUNICATIONS)
ROBERT EVRLEY
(217) 287-7992

Electric Emergency
(800) 755-7000

Gas Emergency
(800) 755-6000

FILE NAME = H:\7335-Greenville\elderLane\CADD_Sheets\7335-SHT-GENNOTE.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, HIGHWAY STANDARDS AND COMMITMENTS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier.john	DRAWN -			REVISED -	9836	17-00042-01-WR	BOND	64	2
PLOT SCALE = 28.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 97665					
PLOT DATE = 12/27/2017	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPEC. PROV. SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	12
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	170
	20200100	EARTH EXCAVATION	CU YD	946
	20400800	FURNISHED EXCAVATION	CU YD	355
*	20800150	TRENCH BACKFILL	CU YD	258
*	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	799
	25000110	SEEDING, CLASS 1A	ACRE	1.00
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90
	25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.1
	25100115	MULCH, METHOD 2	ACRE	0.5
	25100630	EROSION CONTROL BLANKET	SQ YD	3161
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
	28000305	TEMPORARY DITCH CHECKS	FOOT	182
	28000400	PERIMETER EROSION BARRIER	FOOT	355
	28000500	INLET AND PIPE PROTECTION	EACH	3
	28000510	INLET FILTERS	EACH	17
	28100107	STONE RIPRAP, CLASS A4	SQ YD	91
	28200200	FILTER FABRIC	SQ YD	91
	31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	192
*	35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	4098

FILE NAME = H:\7335.GreenvilleIdlerLane\CADD.Sheets\7335-SHT-900.dgn
HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = kschwier.john
 PLOT SCALE = 20.0000' / 1" = 1" = 20.0000'
 PLOT DATE = 12/27/2017

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	3
CONTRACT NO. 97665			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPEC. PROV.	SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	25
*		42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	3454
		42001300	PROTECTIVE COAT	SQ YD	3924
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	196
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2096
		44000100	PAVEMENT REMOVAL	SQ YD	3130
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	240
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	680
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
		54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1
		54216560	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 15" RISER	EACH	1
		550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	379
		550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	13
		550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	251
		550A2380	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	FOOT	39
		550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	126
		550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	168
		550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	33
		60219570	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	3
		60222270	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	1

FILE NAME = H:\7335.GreenvilleIdlerLane\CADD_Sheets\7335-SHT-500.dgn
HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers & Surveyors (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	4
CONTRACT NO. 97665			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPEC. PROV.	SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
		60223810	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1
		60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	2
		60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	1
*		60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1
		60500060	REMOVING INLETS	EACH	6
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1445
*		60604700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	FOOT	69
*		60605300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)	FOOT	28
		67100100	MOBILIZATION	L SUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	168
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	56
*		72000100	SIGN PANEL - TYPE 1	SO FT	86
*		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	53
*		72900200	METAL POST - TYPE B	FOOT	140
*		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	63
*		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1753
*		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	309
*		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	427
*		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	66
*		78200020	CURB REFLECTORS	EACH	13
*		X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1
*		X1700005	ISLAND PAVEMENT (SPECIAL)	SO FT	365

FILE NAME = H:\7335.GreenvilleIdlerLane\CADD.Sheets\7335-SHT-500.dgn
HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers & Surveyors (618) 526-9611

DESIGNED -
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 CHECKED -
 DATE -

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 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

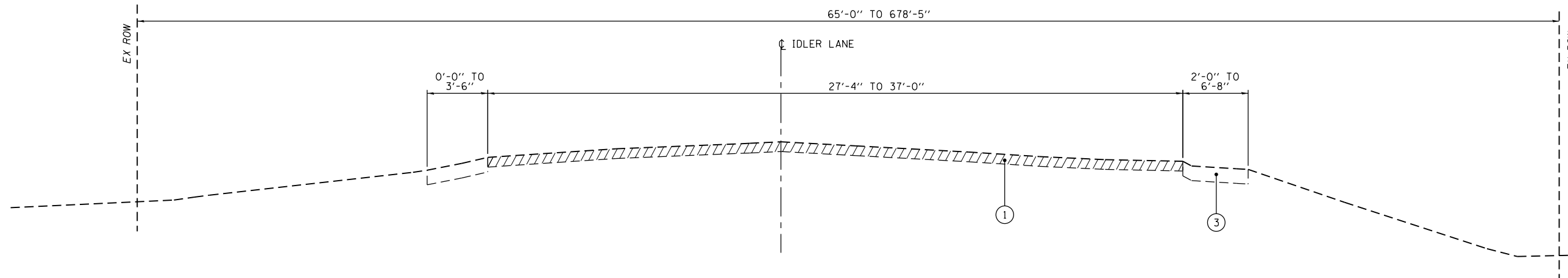
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97665	

SUMMARY OF QUANTITIES

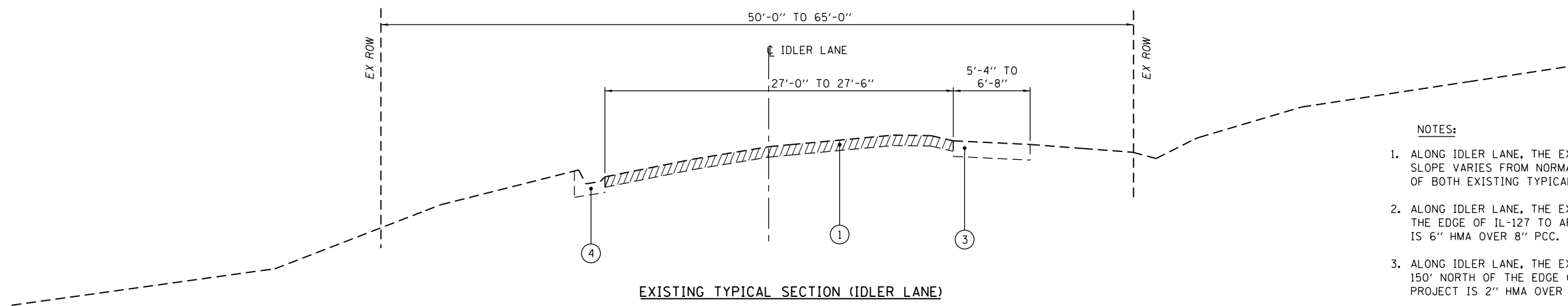
SPEC. PROV.	SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
*		X5510100	STORM SEWER REMOVAL	FOOT	339
		X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	3
		X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	3
*		X6022230	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1
*		X6022502	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE, SPECIAL	EACH	1
*		X6024240	INLETS, SPECIAL	EACH	2
*		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*		X7010502	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 (SPECIAL)	L SUM	1
*	*	X7240300	SIGN REMOVAL	EACH	11
*	*	X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	1
*	*	Z0036200	PAINT CURB	FOOT	97
#	*	Z0076600	TRAINEES	Hour	500
	*	Z0054408	ROCK FILL - SUBGRADE	CU YD	57
#	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500

0042



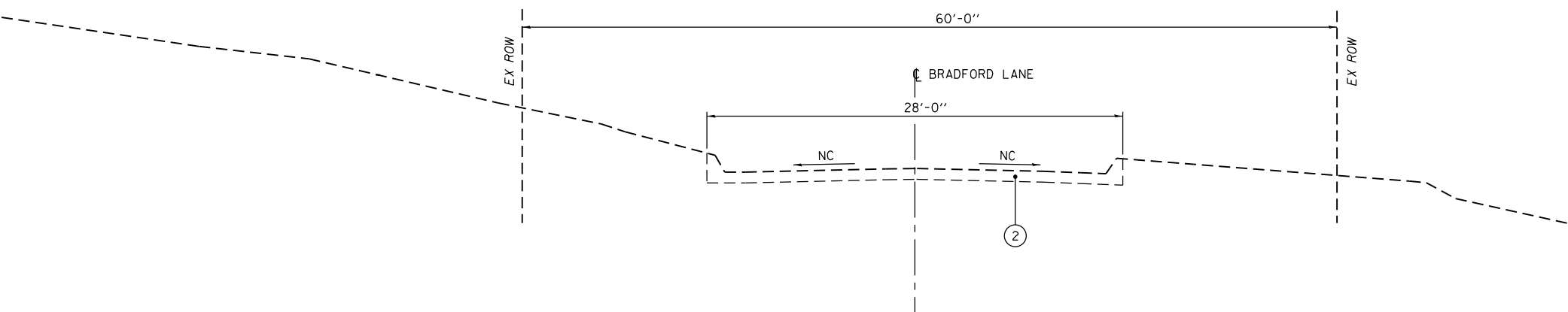
EXISTING TYPICAL SECTION (IDLER LANE)

STA 100+37.63 TO STA 104+12.18



EXISTING TYPICAL SECTION (IDLER LANE)

STA 104+12.18 TO STA 107+48.15



EXISTING TYPICAL SECTION (BRADFORD LANE)

STA 200+13.50 TO STA 200+84.39

NOTES:

1. ALONG IDLER LANE, THE EXISTING NORTHBOUND LANE (RIGHT LANE) CROSS-SLOPE VARIES FROM NORMAL CROWN TO SUPERELEVATED WITHIN THE LIMITS OF BOTH EXISTING TYPICAL SECTIONS ALONG IDLER LANE.
2. ALONG IDLER LANE, THE EXISTING PAVEMENT STRUCTURE FROM APPROXIMATELY THE EDGE OF IL-127 TO APPROXIMATELY 150' NORTHWARD ALONG IDLER LANE IS 6" HMA OVER 8" PCC.
3. ALONG IDLER LANE, THE EXISTING PAVEMENT STRUCTURE FROM APPROXIMATELY 150' NORTH OF THE EDGE OF PAVEMENT ALONG IL-127 TO THE END OF THE PROJECT IS 2" HMA OVER 6" AGG.
4. ALONG BRADFORD LANE, THE EXISTING PCC PAVEMENT IS APPROXIMATELY 6" THICK.
5. ALONG SAMUEL W. ANDREWS DRIVE, THE EXISTING HMA PAVEMENT IS APPROXIMATELY 4.5" THICK

TYPICAL SECTION LEGEND

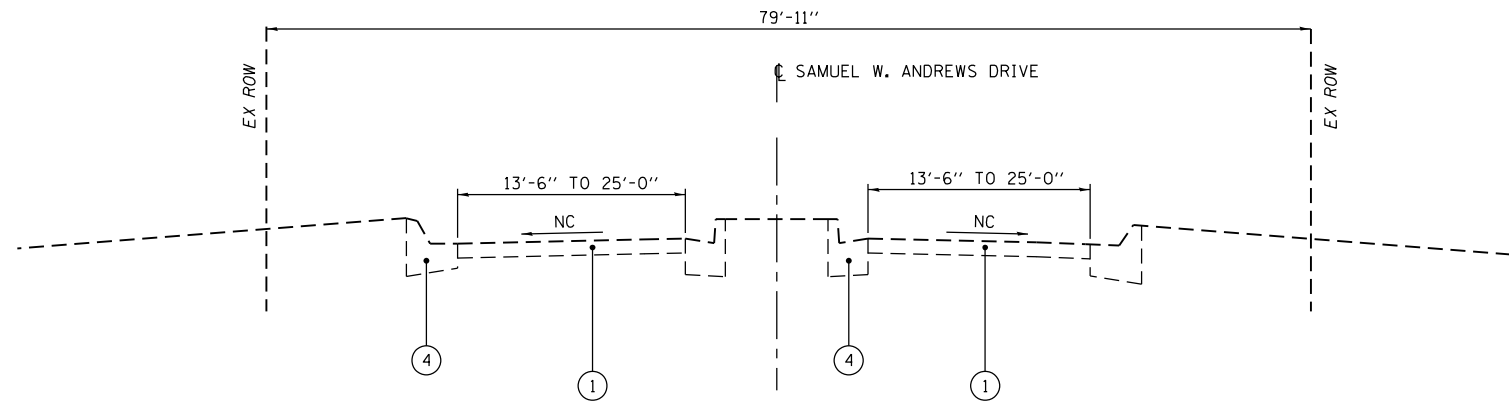
- ① EX ROADWAY (OIL AND CHIP SURFACE)
- ② EX ROADWAY (PCC WITH MONOLITHIC CURB AND GUTTER)
- ③ EX SHOULDER (EARTH/AGG)
- ④ EX CURB AND GUTTER
- ⑤ PR EMBANKMENT (NOT A PAY ITEM)
- ⑥ PR AGG BASE COURSE, TYPE A 8"
- ⑦ PR COMB CONC CURB AND GUTTER, TYPE B-6.18
- ⑧ PR PCC PAVEMENT 8" (JOINTED)
- ⑨ PR TIE BARS
- ⑩ PR PAVEMENT MARKING, LINES
- ⑪ PR TOPSOIL (4" MIN)
- ⑫ PR PCC SIDEWALK 5 INCH
- ⑬ PR COMB CONC CURB AND GUTTER, TY B-6.18 (MOD)/TY B-6.24 (MOD)
- ⑭ PR ISLAND PAVEMENT (SPECIAL)

FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-TYPICAL.dgn	DESIGNED -	REVISED -
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier.john	REVISOR -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISOR -
PLOT DATE = 12/27/2017	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

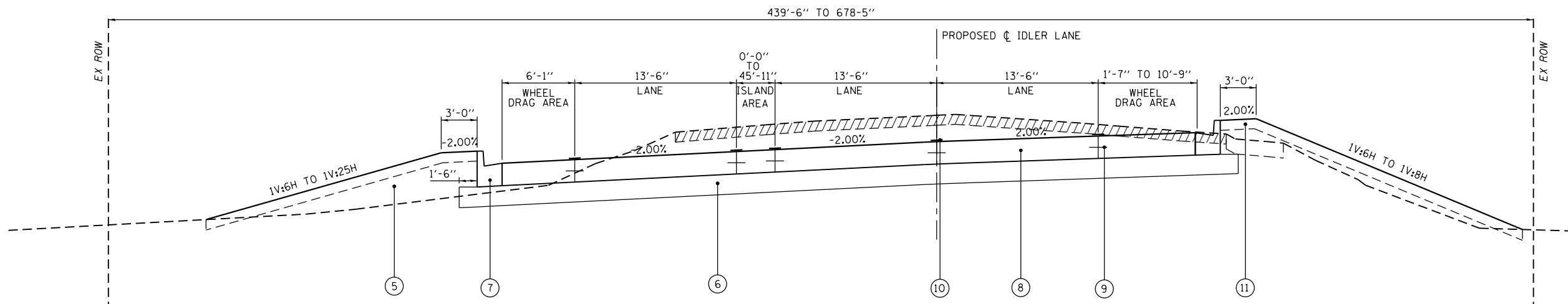
TYPICAL SECTIONS	
SCALE:	SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	7
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

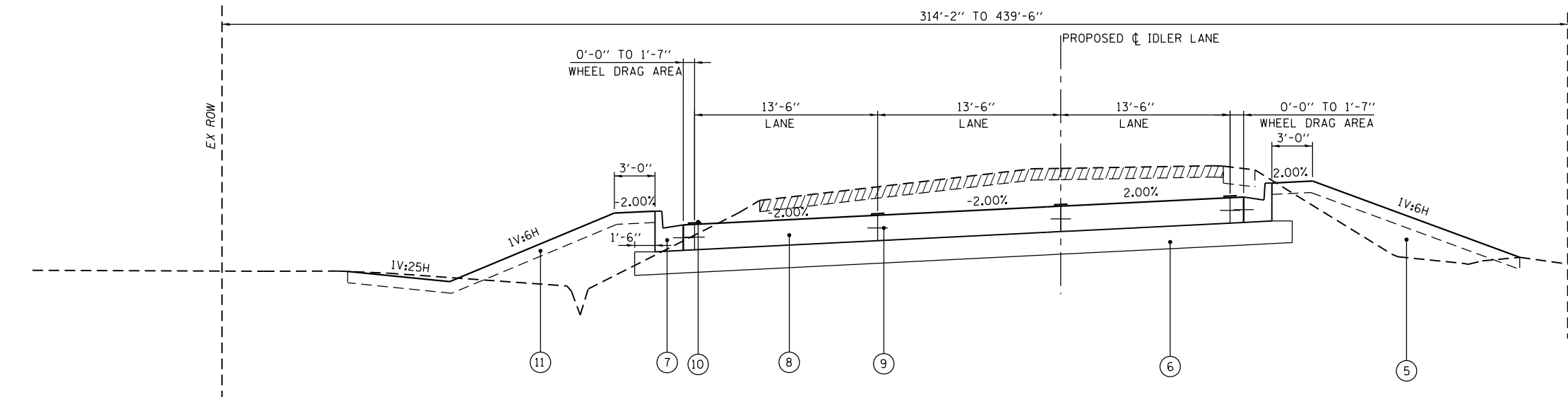


EXISTING TYPICAL SECTION (SAMUEL W. ANDREWS DRIVE)
STA 200+13.50 TO STA 200+84.39

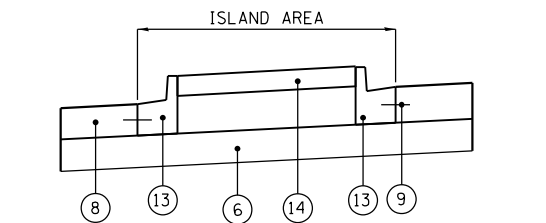
- TYPICAL SECTION LEGEND**
- ① EX ROADWAY (OIL AND CHIP SURFACE)
 - ② EX ROADWAY (PCC WITH MONOLITHIC CURB AND GUTTER)
 - ③ EX SHOULDER (EARTH/AGG)
 - ④ EX CURB AND GUTTER
 - ⑤ PR EMBANKMENT (NOT A PAY ITEM)
 - ⑥ PR AGG BASE COURSE, TYPE A 8"
 - ⑦ PR COMB CONC CURB AND GUTTER, TYPE B-6.18
 - ⑧ PR PCC PAVEMENT 8" (JOINTED)
 - ⑨ PR TIE BARS
 - ⑩ PR PAVEMENT MARKING, LINES
 - ⑪ PR TOPSOIL (4" MIN)
 - ⑫ PR PCC SIDEWALK 5 INCH
 - ⑬ PR COMB CONC CURB AND GUTTER, TY B-6.18 (MOD)/TY B-6.24 (MOD)
 - ⑭ PR ISLAND PAVEMENT (SPECIAL)



PROPOSED SUPERELEVATED TYPICAL SECTION (IDLER LANE, 3-LANE WITH ISLAND)
STA 100+37.63 TO STA 101+25.74



PROPOSED SUPERELEVATED TYPICAL SECTION (IDLER LANE, 3-LANE)
STA 101+25.74 TO STA 101+90.39



PROPOSED TYPICAL SECTION (ISLAND AREA)

NOTES:

1. WHEEL DRAG AREA IS DEFINED AS THE AREA BETWEEN THE PROPOSED WHITE-PAINTED EDGE LINE AND THE EDGE OF THE PROPOSED PAVEMENT.
2. FROM STA 101+90.39 LT TO STA 102+75.59 LT, NO SIDEWALK WILL BE CONSTRUCTED. FROM STA 102+75.59 LT TO STA 103+15.69 LT, AN EARTH SHELF WILL BE GRADED AS A PLACE HOLDER FOR FUTURE SIDEWALK.
3. ISLAND AREA IS DEFINED AS THE AREA BETWEEN THE EXCLUSIVE LEFT AND EXCLUSIVE RIGHT TURN LANES. SEE PLAN AND PROFILE SHEETS FOR LOCATION OF RAISED ISLAND.

FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-TYPICAL.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

USER NAME = kschwier_john
 PLOT SCALE = 10,000 ' / in.
 PLOT DATE = 12/27/2017

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

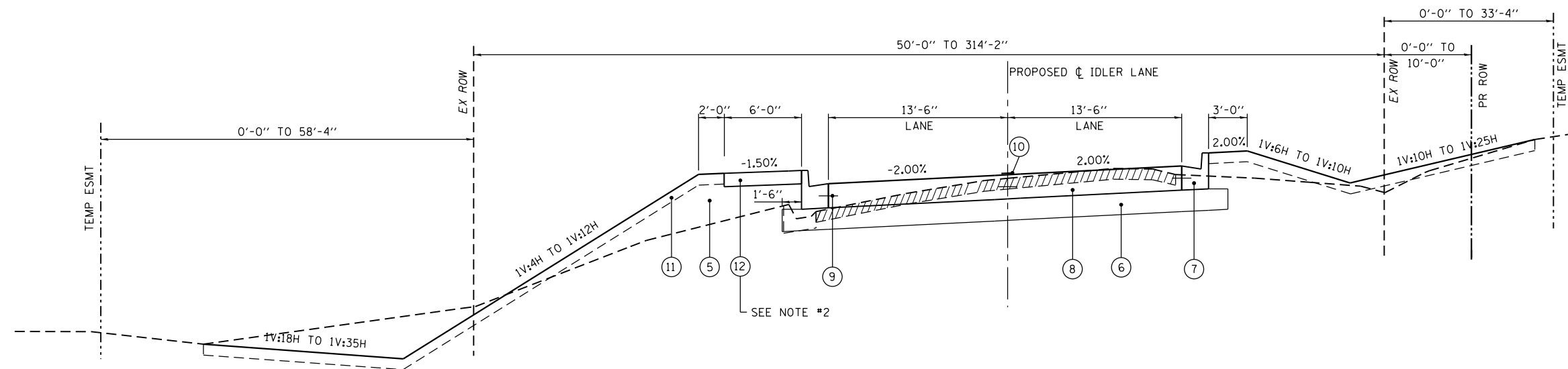
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

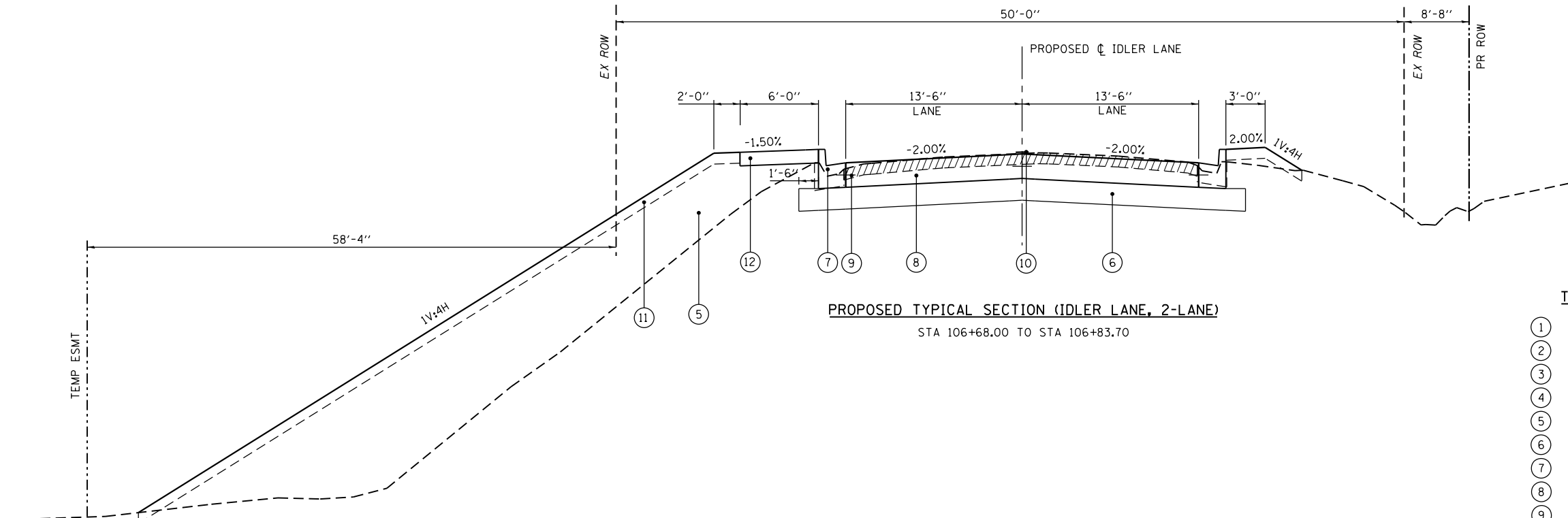
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	8
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				



PROPOSED SUPERELEVATED TYPICAL SECTION (IDLER LANE, 2-LANE)

STA 101+90.39 TO STA 106+68.00



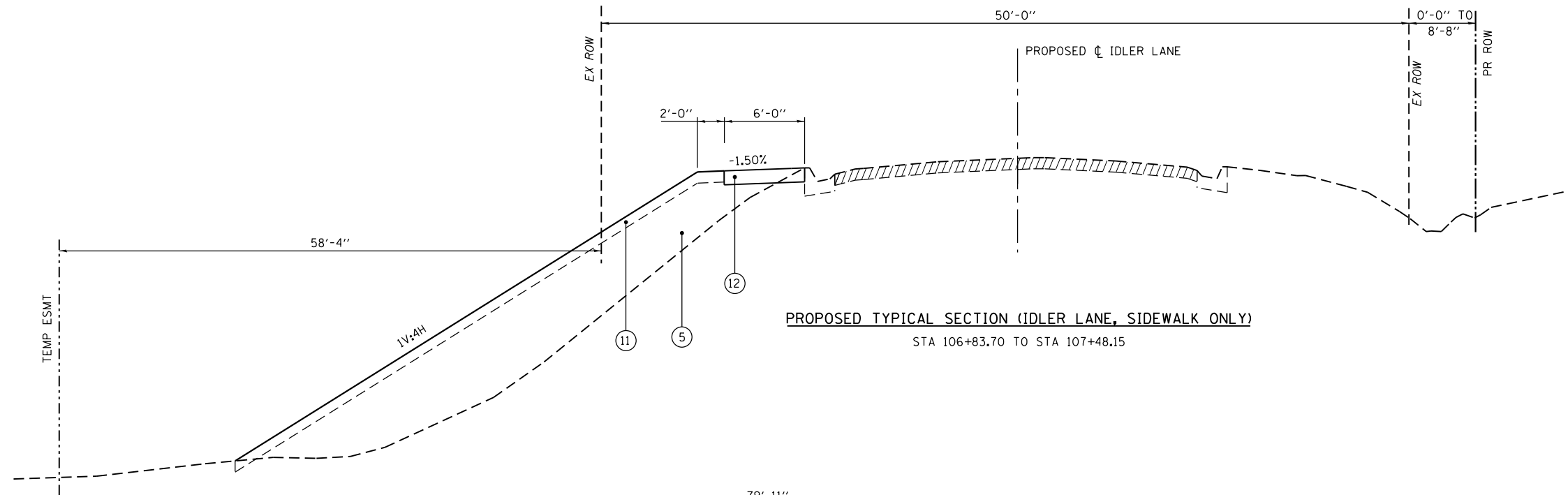
PROPOSED TYPICAL SECTION (IDLER LANE, 2-LANE)

STA 106+68.00 TO STA 106+83.70

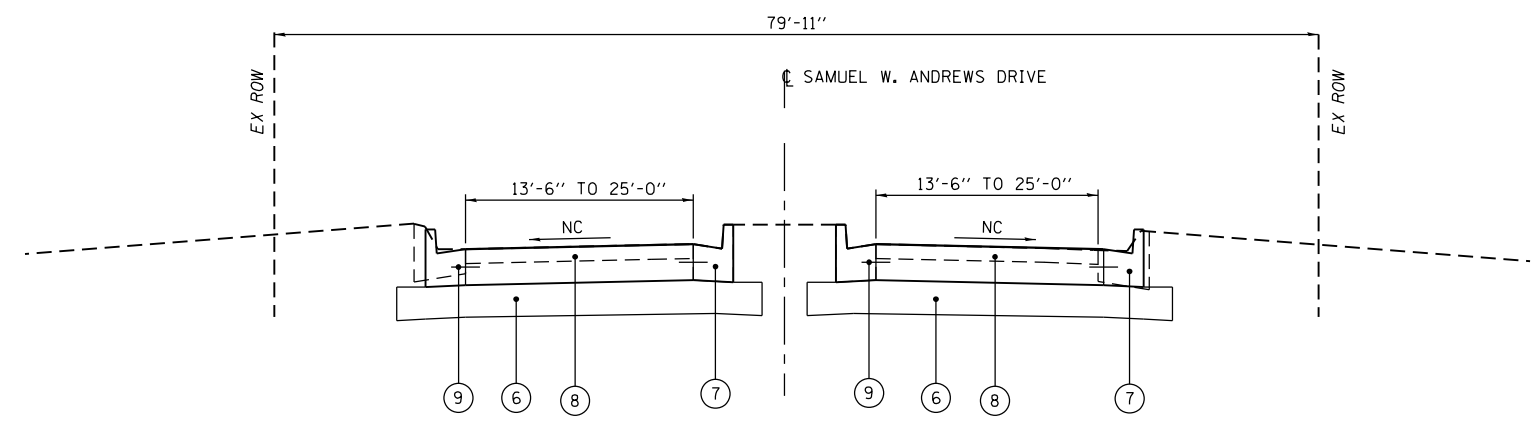
Station	DESCRIPTION	
	LEFT Cross Slope (%)	RIGHT Cross Slope (%)
100+20.00	-2.00	-2.00
100+24.00	-2.00	-2.00
100+25.00	-2.00	-1.96
100+30.00	-2.00	-1.73
100+35.00	-2.00	-1.51
100+40.00	-2.00	-1.29
100+45.00	-2.00	-1.07
100+50.00	-2.00	-0.84
100+55.00	-2.00	-0.62
100+60.00	-2.00	-0.40
100+65.00	-2.00	-0.18
100+70.00	-2.00	0.04
100+75.00	-2.00	0.27
100+80.00	-2.00	0.49
100+85.00	-2.00	0.71
100+90.00	-2.00	0.93
100+95.00	-2.00	1.16
101+00.00	-2.00	1.38
101+05.00	-2.00	1.60
101+10.00	-2.00	1.82
101+14.00	-2.00	2.00
105+78.00	-2.00	2.00
105+80.00	-2.00	1.91
105+85.00	-2.00	1.69
105+90.00	-2.00	1.47
105+95.00	-2.00	1.24
106+00.00	-2.00	1.02
106+05.00	-2.00	0.80
106+10.00	-2.00	0.58
106+15.00	-2.00	0.36
106+20.00	-2.00	0.13
106+25.00	-2.00	-0.09
106+30.00	-2.00	-0.31
106+35.00	-2.00	-0.53
106+40.00	-2.00	-0.76
106+45.00	-2.00	-0.98
106+50.00	-2.00	-1.20
106+55.00	-2.00	-1.42
106+60.00	-2.00	-1.64
106+65.00	-2.00	-1.87
106+68.00	-2.00	-2.00
106+70.00	-2.00	-2.00

TYPICAL SECTION LEGEND

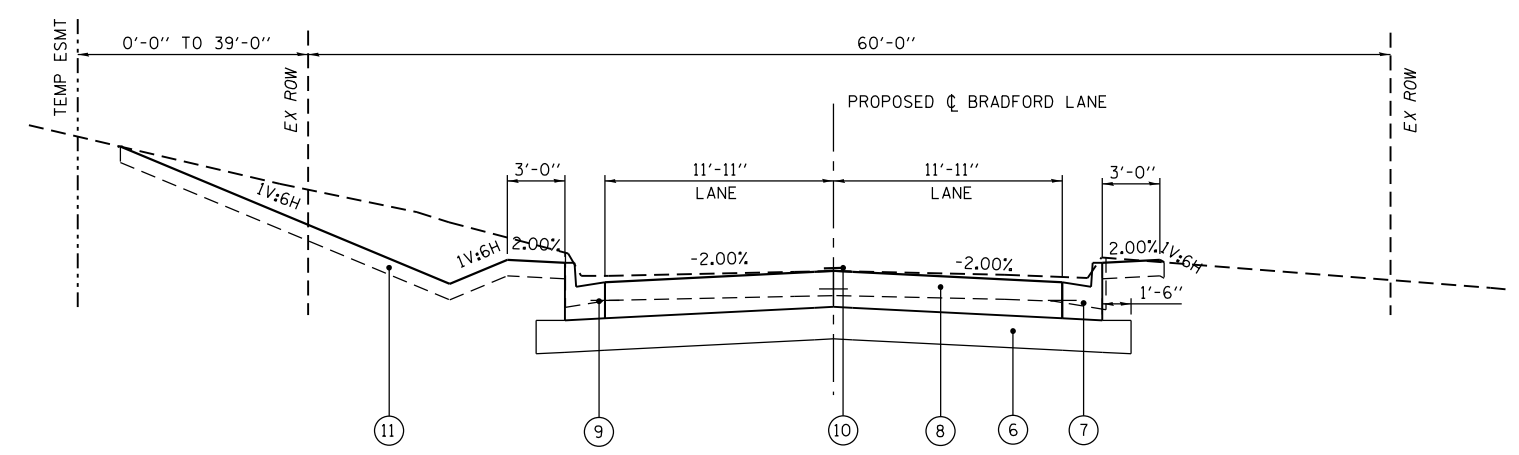
- ① EX ROADWAY (OIL AND CHIP SURFACE)
- ② EX ROADWAY (PCC WITH MONOLITHIC CURB AND GUTTER)
- ③ EX SHOULDER (EARTH/AGG)
- ④ EX CURB AND GUTTER
- ⑤ PR EMBANKMENT (NOT A PAY ITEM)
- ⑥ PR AGG BASE COURSE, TYPE A 8"
- ⑦ PR COMB CONC CURB AND GUTTER, TYPE B-6.18
- ⑧ PR PCC PAVEMENT 8" (JOINTED)
- ⑨ PR TIE BARS
- ⑩ PR PAVEMENT MARKING, LINES
- ⑪ PR TOPSOIL (4" MIN)
- ⑫ PR PCC SIDEWALK 5 INCH
- ⑬ PR COMB CONC CURB AND GUTTER, TY B-6.18 (MOD)/TY B-6.24 (MOD)
- ⑭ PR ISLAND PAVEMENT (SPECIAL)



PROPOSED TYPICAL SECTION (IDLER LANE, SIDEWALK ONLY)
 STA 106+83.70 TO STA 107+48.15



PROPOSED TYPICAL SECTION (SAMUEL W. ANDREWS DRIVE)
 STA 300+13.50 TO STA 300+60.44



PROPOSED TYPICAL SECTION (BRADFORD LANE)
 STA 200+13.50 TO STA 200+84.39

- TYPICAL SECTION LEGEND**
- ① EX ROADWAY (OIL AND CHIP SURFACE)
 - ② EX ROADWAY (PCC WITH MONOLITHIC CURB AND GUTTER)
 - ③ EX SHOULDER (EARTH/AGG)
 - ④ EX CURB AND GUTTER
 - ⑤ PR EMBANKMENT (NOT A PAY ITEM)
 - ⑥ PR AGG BASE COURSE, TYPE A 8"
 - ⑦ PR COMB CONC CURB AND GUTTER, TYPE B-6.18
 - ⑧ PR PCC PAVEMENT 8" (JOINTED)
 - ⑨ PR TIE BARS
 - ⑩ PR PAVEMENT MARKING, LINES
 - ⑪ PR TOPSOIL (4" MIN)
 - ⑫ PR PCC SIDEWALK 5 INCH
 - ⑬ PR COMB CONC CURB AND GUTTER, TY B-6.18 (MOD)/TY B-6.24 (MOD)
 - ⑭ PR ISLAND PAVEMENT (SPECIAL)

SIGN REMOVAL

LOCATION	SIGN REMOVAL	REMOVE AND RE-ERECT EXISTING SIGN
	EACH	EACH
IDLER LANE		
STA 100+69.14 27.31' LT	1	
STA 100+84.93 26.81' LT	1	
STA 100+96.70 35.22' RT	1	
STA 101+39.27 43.49' LT	1	
STA 101+54.14 18.40' RT	1	
STA 101+98.14 18.11' RT	1	
STA 102+88.80 40.01' RT	1	
STA 103+21.33 48.59' RT	1	
STA 105+53.94 28.94' RT	1	
STA 106+36.58 36.43' RT	1	
STA 106+87.87 19.76' RT	1	
STA 100+52.80 81.39' LT		1
TOTAL	11	1
USE	11	1

REMOVALS

LOCATION	STORM SEWER REMOVAL		TRENCH BACKFILL	REMOVING INLETS	PAVEMENT REMOVAL	COMBINATION CURB & GUTTER REMOVAL
	FOOT	SIZE & MATERIAL	CU YD	EACH	SQ YD	FOOT
IDLER LANE						
STA 100+00.00 TO STA 102+00.00					1,000.7	
STA 102+00.00 TO STA 103+41.74					748.3	
STA 103+41.74 TO STA 105+00.00					490.0	
STA 105+00.00 TO STA 106+83.70					890.6	
STA 101+16.88 37.64' LT TO STA 101+13.35 35.83' RT	73.6	28" CONC	34.1			
STA 102+58.86 33.17' RT TO STA 103+49.46 26.80' RT	94.9	24" CONC	35.3			
STA 102+94.38 31.83' LT TO STA 103+05.00 50.44' LT	21.1	15" CONC				
STA 103+04.39 29.92' LT TO STA 104+23.86 21.76' LT	114.9	12" CONC				
STA 105+40.85 29.72' RT TO STA 105+61.07 29.58' RT	21.2	24" CONC				
STA 105+58.00 51.56' RT TO STA 105+69.68 49.66' RT	12.7	12" CONC				
STA 102+86.70 30.60' RT				1		
STA 103+25.90 27.28' RT				1		
STA 104+23.86 21.76' LT				1		
STA 104+28.19 21.53' LT				1		
STA 105+61.07 29.58' RT				1		
STA 105+69.68 49.66' RT				1		
STA 102+80.51 24.90' RT TO STA 103+01.74 87.32' RT						68.3
STA 103+24.54 80.95' RT TO STA 103+49.15 15.94' RT						83.0
STA 103+74.07 51.67' LT TO STA 106+83.70 14.93' LT						328.3
STA 105+34.95 15.08' RT TO STA 105+73.41 61.13' RT						68.4
STA 105+97.04 60.46' RT TO STA 106+01.85 60.43' RT						45.8
STA 106+25.07 60.39' RT TO STA 106+83.70 14.79' RT						85.9
TOTAL	338.3		69.4	6	3,129.7	679.9
USE	339		70	6	3,130	680

TREE REMOVAL

LOCATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
	UNIT	UNIT
IDLER LANE		
STA 100+95.29 109.45' LT	6.0	
STA 101+02.55 65.54' RT		30.0
STA 101+19.73 36.76' RT		30.0
STA 101+23.51 67.47' LT	6.0	
STA 102+66.89 50.53' RT		30.0
STA 103+34.53 60.37' RT		40.0
STA 103+85.23 37.54' RT		40.0
TOTAL	12.0	170.0
USE	12	170

PAVING

LOCATION	AGGREGATE BASE COURSE, TYPE A 8"	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)	PCC PAVEMENT 8" (JOINTED)	PROTECTIVE COAT	PCC SIDEWALK 5 INCH	ISLAND PAVEMENT (SPECIAL)
	SQ YD	FOOT	FOOT	FOOT	SQ YD	SQ YD	SQ FT	SQ FT
IDLER LANE (STAGE 2)								
STA 100+00.00 TO STA 102+00.00	1,381.9	362.5	68.5	28.0	1,167.4	1,337.0		364.2
STA 102+00.00 TO STA 103+41.74	1,018.8	344.8			881.9	977.7		
(STAGE 1)								
STA 103+41.74 TO STA 105+00.00	651.8	318.9			524.9	613.4	623.6	
STA 105+00.00 TO STA 107+48.15	1,044.8	418.2			879.1	995.2	1,471.6	
TOTAL	4,097.4	1,444.4	68.5	28.0	3,453.3	3,923.3	2,095.2	364.2
USE	4,098	1,445	69	28	3,454	3,924	2,096	365

ENTRANCE

TYPE	LOCATION	LENGTH				WIDTH		PCC DRIVEWAY PAVEMENT, 8 INCH	SUBBASE GRANULAR MATERIAL, TYPE A 4"	DRIVEWAY PAVEMENT REMOVAL	AGGREGATE FOR TEMPORARY ACCESS
		L1	L2	L3	L4	W1	W2				
IDLER LANE											
CE	STA 103+53.0 LT	19.0'	6.0'	19.8'	7.2'	81.3'	35.0'	195.9	191.1	239.3	24.2
TOTAL								195.9	191.1	239.3	24.2
USE								196	192	240	25

SEEDING

LOCATION	SEEDING, CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING
	ACRE	POUND	POUND	POUND	TON	ACRE	POUND
IDLER LANE (STAGE 2)							
STA 100+00.00 TO STA 102+00.00	0.29	26.2	26.2	26.2	0.58	0.29	29.1
STA 102+00.00 TO STA 103+41.74	0.21	18.6	18.6	18.6	0.41	0.14	20.6
(STAGE 1)							
STA 103+41.74 TO STA 105+00.00	0.22	19.7	19.7	19.7	0.44		21.8
STA 105+00.00 TO STA 107+48.15	0.34	30.5	30.5	30.5	0.68		33.8
TOTAL	1.05	94.9	94.9	94.9	2.11	0.44	105.4
USE	1.00	90	90	90	2.1	0.5	100

EROSION CONTROL

LOCATION	PERIMETER EROSION BARRIER	TEMPORARY DITCH CHECKS	EROSION CONTROL BLANKET
	FOOT	FOOT	SQ YD
IDLER LANE			
STA 100+40.53 116.22' LT TO STA 100+96.71 113.33' LT	55.4		
STA 100+60.13 83.44' RT TO STA 101+04.50 112.17' RT	54.6		
STA 101+16.42 96.06' RT TO STA 101+22.60 42.11' RT	54.4		
STA 101+22.60 42.11' RT TO STA 102+35.94 40.07' RT	120.4		
STA 106+55.46 79.83' LT TO STA 107+25.16 79.93' LT	69.7		
STA 101+06.06 110.05' LT		14.0	
STA 101+08.35 107.55' RT		14.0	
STA 101+79.63 51.48' LT		14.0	
STA 103+84.09 27.81' RT		14.0	
STA 104+08.01 26.88' RT		14.0	
STA 104+33.10 26.70' RT		14.0	
STA 104+57.08 26.50' RT		14.0	
STA 104+76.24 48.73' LT		14.0	
STA 104+81.20 26.36' RT		14.0	
STA 105+05.38 26.17' RT		14.0	
STA 105+41.23 55.75' LT		14.0	
STA 106+09.91 64.06' LT		14.0	
STA 107+30.56 80.02' LT		14.0	
STA 100+93.13 71.86' LT TO STA 101+06.63 108.09' LT			33.8
STA 100+95.43 78.31' RT TO STA 101+09.10 103.75' RT			26.5
STA 101+06.63 108.09' LT TO STA 101+37.94 59.88' LT			49.2
STA 101+48.60 55.22' LT TO STA 102+14.60 49.36' LT			54.3
STA 102+00.00 TO STA 103+41.74			302.1
STA 103+41.74 TO STA 105+00.00			1,057.1
STA 105+00.00 TO STA 107+48.15			1,638.0
TOTAL	354.5	182.0	3,161.0
USE	355	182	3,161

PAVEMENT MARKING AND SIGNING

LOCATION	MODIFIED URETHANE PAVMENT MARKING - LINE 4"	MODIFIED URETHANE PAVMENT MARKING - LINE 4"	MODIFIED URETHANE PAVMENT MARKING - LINE 8"	MODIFIED URETHANE PAVMENT MARKING - LINE 12"	MODIFIED URETHANE PAVMENT MARKING - LINE 24"	MODIFIED URETHANE PAVMENT MARKING - LETTERS & SYM	PAINT CURB	CURB REFLECTORS	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	SIGN PANEL TYPE 1	TELESCOPING STEEL SIGN SUPPORT	METAL POST TYPE B
	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	YELLOW	WHITE				
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	EACH	FOOT	FOOT	SQ FT	SQ FT	FOOT
IDLER LANE (STAGE 2)														
STA 100+00.00 TO STA 102+00.00	283.0	424.4	308.9	426.9	27.0	62.4	96.4	13	14.2	74.0	29.4	27.1	12.5	42.0
STA 102+00.00 TO STA 103+41.74	283.5	34.7			15.8				14.2	13.9	9.4	19.5	12.5	41.0
(STAGE 1)														
STA 103+41.74 TO STA 105+00.00	316.5	38.7							15.8	15.5	10.4	8.0		27.5
STA 105+00.00 TO STA 107+48.15	367.4	3.9			22.3				18.4	1.6	6.6	30.6	27.5	29.5
TOTAL	1,250.4	501.7	308.9	426.9	65.1	62.4	96.4	13	62.5	105.0	55.8	85.2	52.5	140.0
USE		1,753	309	427	66	63	97	13		168	56	86	53	140

EARTHWORK

LOCATION	1	2	3	4	5	6	7	8
	ROCK FILL - SUBGRADE	TOPSOIL EXCAVATION AND PLACEMENT	EXISTING PAVEMENT	EARTH EXCAVATION	EARTH EXCAVATION AVAILABLE FOR USE AS EMBANKMENT (SHRINKAGE FACTOR = 0.25)	REQUIRED EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REQUIRED TOPSOIL
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
IDLER LANE (STAGE 2)								
STA 100+00.00 TO STA 102+00.00	26.0	227.8	389.2	187.4	140.5	177.7	-37.2	156.5
STA 102+00.00 TO STA 103+41.74	12.2	155.9	25.8	224.5	168.4	82.7	85.7	111.0
(STAGE 1)								
STA 103+41.74 TO STA 105+00.00	7.8	164.0	27.2	211.8	158.9	86.8	72.1	117.5
STA 105+00.00 TO STA 107+48.15	10.9	251.0	30.8	88.5	66.4	716.7	-650.3	182.0
BRADFORD LANE (STAGE 2)								
STA 200+13.50 TO STA 200+84.39			47.3	168.3	126.3	1.0	125.3	
SAMUEL W. ANDREWS DRIVE (STAGE 1)								
STA 300+13.50 TO STA 300+60.44			42.0	65.3	49.0		49.0	
TOTAL	56.9	798.8	562.3	945.9	709.5	1,064.9	-355.4	567.0
USE	57	799	563	946	710	1,065	355	567

NOTES:

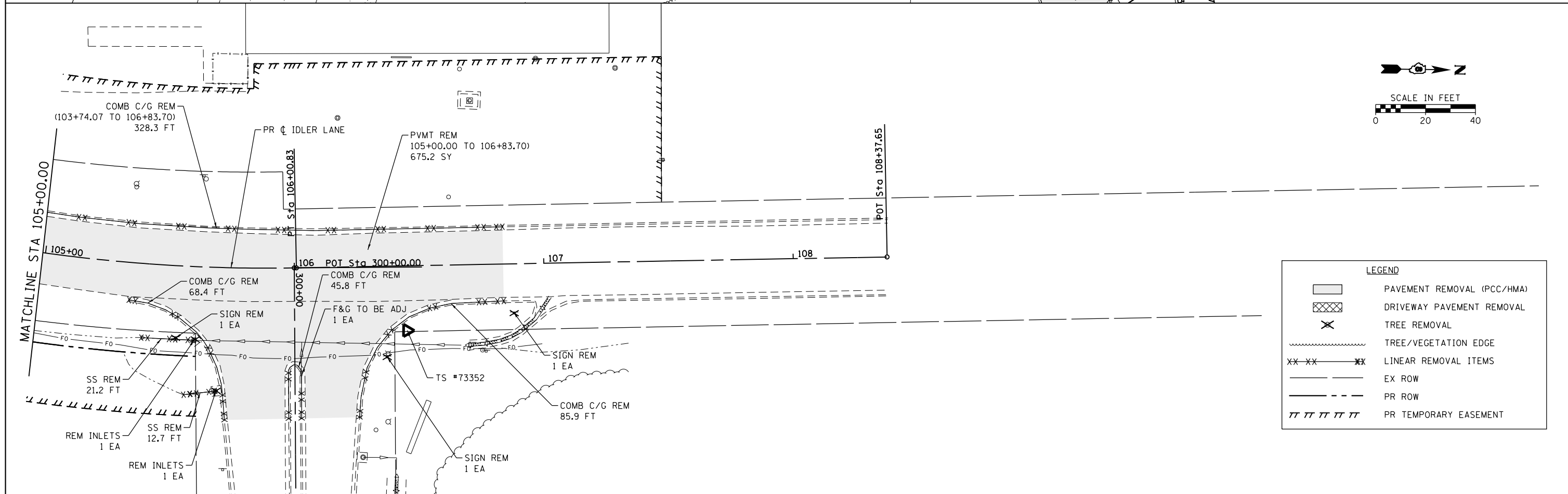
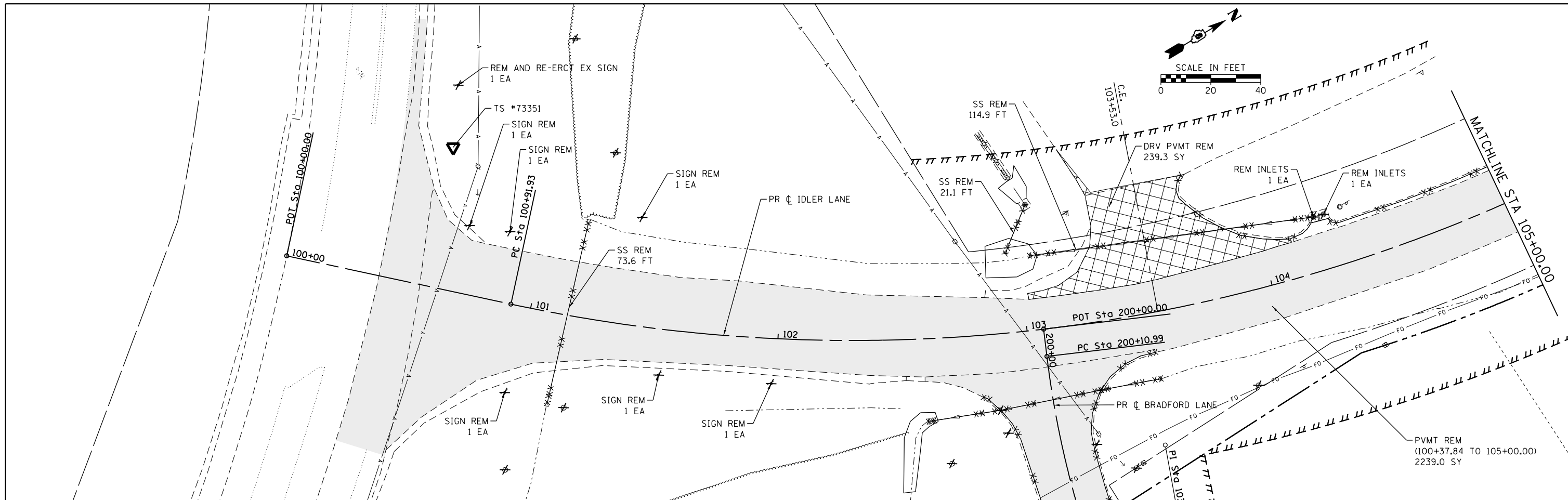
- COLUMN 1: ESTIMATED VOLUME OF CUT MATERIAL THAT HAS THE POTENTIAL TO BE UNSTABLE OR TO BE UNSUITABLE TO CONSTRUCT A PERMANENT SURFACE (i.e. ROADWAY, SIDEWALK, ENTRANCE) OVER. FOR THIS CONTRACT, IT WAS ASSUMED THAT 10% OF THE AREA BETWEEN THE EXISTING EDGE OF PAVEMENT AND PROPOSED BACK OF CURB WOULD BE UNSUITABLE AND/OR UNSTABLE. THE REMOVAL OF THIS MATERIAL AS WELL AS THE FILTER FABRIC AND AGGREGATE BACKFILL IS INCLUDED IN THE PAY ITEM ROCK FILL - SUBGRADE.
- COLUMN 2: ESTIMATED VOLUME OF CUT MATERIAL PRODUCED BY REMOVAL OF THE EXISTING TOPSOIL. THIS VOLUME HAS BEEN CALCULATED USING THE AREA WITHIN THE CONSTRUCTION LIMITS EXCLUDING THE EXISTING ROADWAY/ENTRANCES AND A CONSTANT DEPTH OF FIVE INCHES (5").
- COLUMN 3: ESTIMATED VOLUME OF THE EXISTING PAVEMENT. THIS VOLUME HAS BEEN CALCULATED USING THE PAVEMENT REMOVAL QUANTITY AND THE EXISTING PAVEMENT STRUCTURE NOTED IN THE TYPICAL SECTIONS.
- COLUMN 4: ESTIMATED VOLUME OF CUT MATERIAL PRODUCED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. ALONG IDLER LANE AND ALONG BRADFORD LANE, THIS VOLUME HAS BEEN CALCULATED USING CROSS-SECTION END AREAS. ALONG SAMUEL W. ANDREWS DRIVE, THIS VOLUME HAS BEEN CALCULATED USING THE PAVEMENT REMOVAL AREA OVER A DEPTH OF 11.5". THIS QUANTITY DOES NOT INCLUDE THE TOPSOIL VOLUME TO BE EXCAVATED OR THE EXISTING PAVEMENT VOLUME TO BE REMOVED.
- COLUMN 5: ESTIMATED VOLUME OF EXCAVATED MATERIAL (EXCLUDING TOPSOIL) AVAILABLE FOR USE IN EMBANKMENT (0.75 x COLUMN 3). NOT A PAY ITEM.
- COLUMN 6: ESTIMATED VOLUME OF FILL MATERIAL REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THIS VOLUME HAS BEEN CALCULATED USING CROSS-SECTION END AREAS AND DOES NOT INCLUDE THE TOPSOIL VOLUME REQUIRED TO BE PLACED WITHIN THE PROPOSED CONSTRUCTION LIMITS. NOT A PAY ITEM.
- COLUMN 7: ESTIMATED EARTHWORK MATERIAL BALANCE. NOT A PAY ITEM.
- COLUMN 8: ESTIMATED VOLUME OF TOPSOIL REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THIS VOLUME HAS BEEN CALCULATED USING THE AREA WITHIN THE CONSTRUCTION LIMITS EXCLUDING THE PROPOSED ROADWAY/ENTRANCES/SIDEWALK AND A CONSTANT DEPTH OF FOUR INCHES (4"). NOT A PAY ITEM.

STORM SEWER

ID	LOCATION	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE, SPECIAL	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	FRAMES AND GRATES TO BE ADJUSTED	INLETS, SPECIAL
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
IDLER LANE												
2	STA 100+66.96 43.90' RT	1										
3	STA 100+73.85 14.27' LT			1								
1	STA 100+84.44 44.05' LT					1						
FES1	STA 100+91.82 68.04' LT											
5	STA 100+92.13 39.70' LT	1										
FES2	STA 100+93.53 74.93' RT											
FES3	STA 101+41.70 52.50' LT											
7	STA 101+50.20 32.43' LT						1					
9	STA 102+00.09 27.25' LT		1									
FES5	STA 102+35.49 36.55' LT											
TEE1	STA 103+04.72 26.13' LT											
11	STA 102+50.15 24.61' LT						1					
FES4	STA 102+60.87 73.33' RT											
4	STA 102+79.37 31.26' RT		1									
6	STA 102+90.82 53.45' RT								1			
EX1	STA 103+05.06 50.40' LT											
10	STA 103+23.47 75.16' RT		1									
8	STA 103+26.19 50.14' RT									1		
1000	STA 103+60.90 33.08' RT							1				
13	STA 104+10.04 16.49' LT				1							
15	STA 104+23.05 16.65' LT						1					
FES7	STA 104+23.05 36.55' LT											
17	STA 105+11.00 15.02' LT				1							
EX2	STA 105+61.68 29.85' RT											1
EX4	STA 105+69.80 49.66' RT											1
EX6	STA 106+02.52 42.48' RT										1	
19	STA 106+62.50 15.02' LT				1							
TOTAL		2	3	1	3	1	3	1	1	1	1	2
USE		2	3	1	3	1	3	1	1	1	1	2

STORM SEWER - CONTINUED

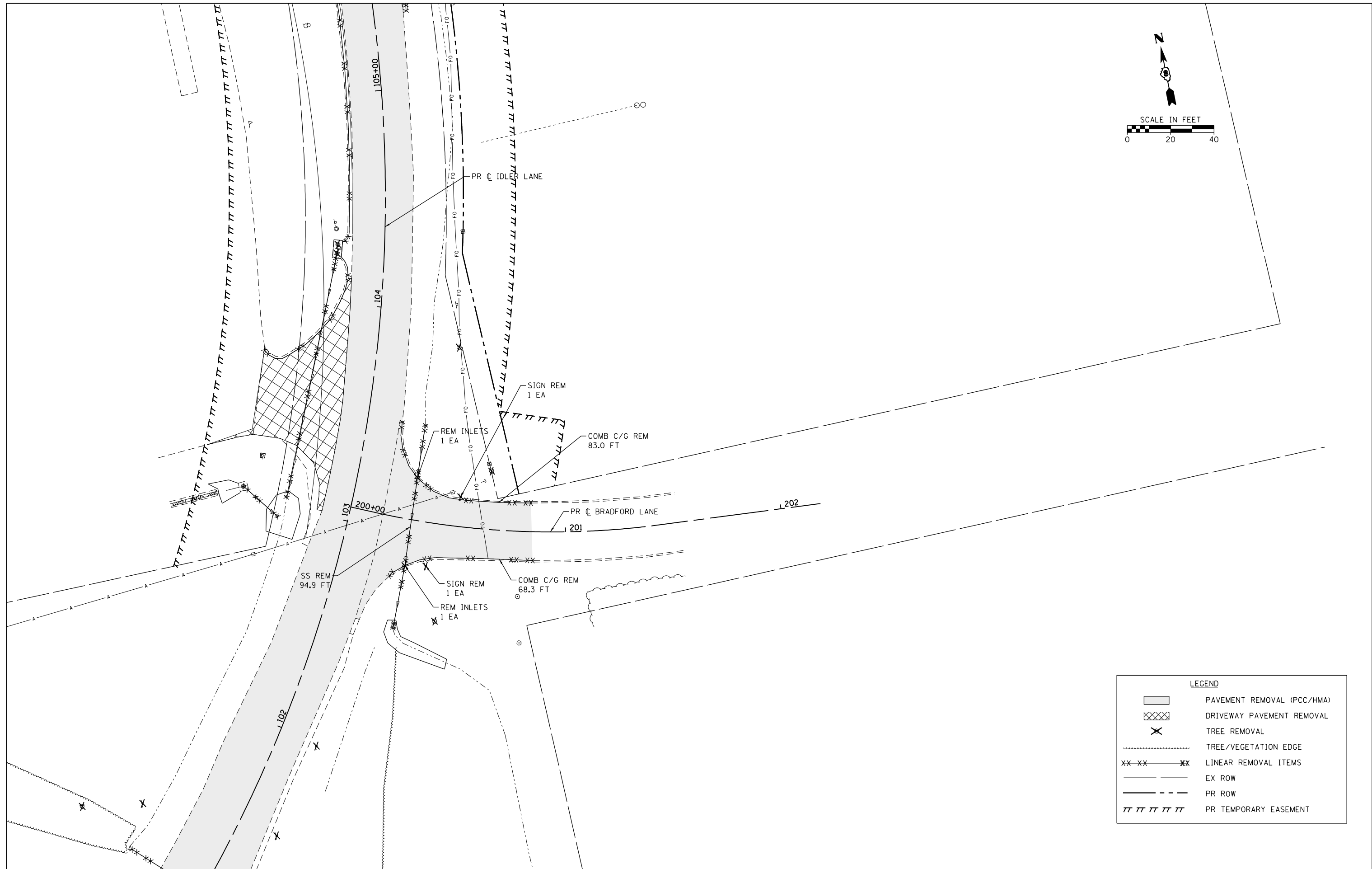
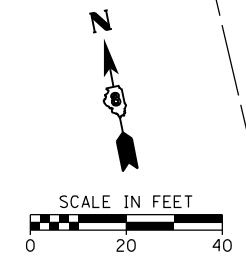
ID	LOCATION	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 15" RISER	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1				STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2			PRECAST REINFORCED CONCRETE FLARED END SECTION			TRENCH BACKFILL	STONE RIPRAP, CLASS A4	FILTER FABRIC	INLET AND PIPE PROTECTION	INLET FILTERS
			15"	18"	24"	30"	15"	18"	30"	15"	18"	30"					
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH					
IDLER LANE																	
2	STA 100+66.96 43.90' RT		35.1										1.0				1
3	STA 100+73.85 14.27' LT		31.6										0.5				1
1	STA 100+84.44 44.05' LT		19.2										0.9				1
FES1	STA 100+91.82 68.04' LT									1				7.8	7.8		
5	STA 100+92.13 39.70' LT		8.8										0.1				1
FES2	STA 100+93.53 74.93' RT									1				7.7	7.7		
FES3	STA 101+41.70 52.50' LT									1				14.7	14.7		
7	STA 101+50.20 32.43' LT		15.7										1.2				1
9	STA 102+00.09 27.25' LT		47.9										22.0				1
FES5	STA 102+35.49 36.55' LT													27.4	27.4		
TEE1	STA 103+04.72 26.13' LT	1															
11	STA 102+50.15 24.61' LT			12.5									1.3				1
FES4	STA 102+60.87 73.33' RT										1			32.7	32.7		
4	STA 102+79.37 31.26' RT						25.3						6.5				1
6	STA 102+90.82 53.45' RT									32.5			1.2				1
EX1	STA 103+05.06 50.40' LT		24.3													1	
10	STA 103+23.47 75.16' RT		25.2										3.8				1
8	STA 103+26.19 50.14' RT						38.3						11.6				1
1000	STA 103+60.90 33.08' RT			40.7									1.6			1	
13	STA 104+10.04 16.49' LT												54.6				1
15	STA 104+23.05 16.65' LT												5.1				1
FES7	STA 104+23.05 36.55' LT							14.0			1		1.7			1	
17	STA 105+11.00 15.02' LT							85.8					30.3				1
EX2	STA 105+61.68 29.85' RT				210.0								1.3				1
EX4	STA 105+69.80 49.66' RT		21.8										5.3				1
EX6	STA 106+02.52 42.48' RT																
19	STA 106+62.50 15.02' LT		149.3										37.9				1
TOTAL		1	378.9	12.5	250.7	38.3	125.1	167.4	32.5	4	1	1	187.9	90.2	90.2	3	17
USE		1	379	13	251	39	126	168	33	4	1	1	188	91	91	3	17



LEGEND

	PAVEMENT REMOVAL (PCC/HMA)
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL
	TREE/VEGETATION EDGE
	LINEAR REMOVAL ITEMS
	EX ROW
	PR ROW
	PR TEMPORARY EASEMENT

FILE NAME = H:\7335_Greenville\IdlerLane\CADD_Sheets\7335-SHT-REMOVALS_IDLER.dgn HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier_john PLOT SCALE = 48.0000' / in. PLOT DATE = 12/27/2017	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TOPOGRAPHY AND REMOVALS IDLER LANE	SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 100+00.00 TO STA. 108+37.65	F.A.U. RTE. 9836 SECTION 17-00042-01-WR COUNTY BOND TOTAL SHEETS 64 SHEET NO. 15 CONTRACT NO. 97665	ILLINOIS FED. AID PROJECT
--	--	--	--	---	--	--	---	---------------------------



LEGEND

	PAVEMENT REMOVAL (PCC/HMA)
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL
	TREE/VEGETATION EDGE
	LINEAR REMOVAL ITEMS
	EX ROW
	PR ROW
	PR TEMPORARY EASEMENT

FILE NAME = H:\7335_Greenville\IdleLane\CADD_Sheets\7335-SHT-REMOVALS_BRAD.dgn	DESIGNED -	REVISED -
USER NAME = kschwier.john	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 12/27/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TOPOGRAPHY AND REMOVALS
BRADFORD LANE**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 200+00.00 TO STA. 202+00.00

F.A.U. RTE. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 16
CONTRACT NO. 97665				ILLINOIS FED. AID PROJECT



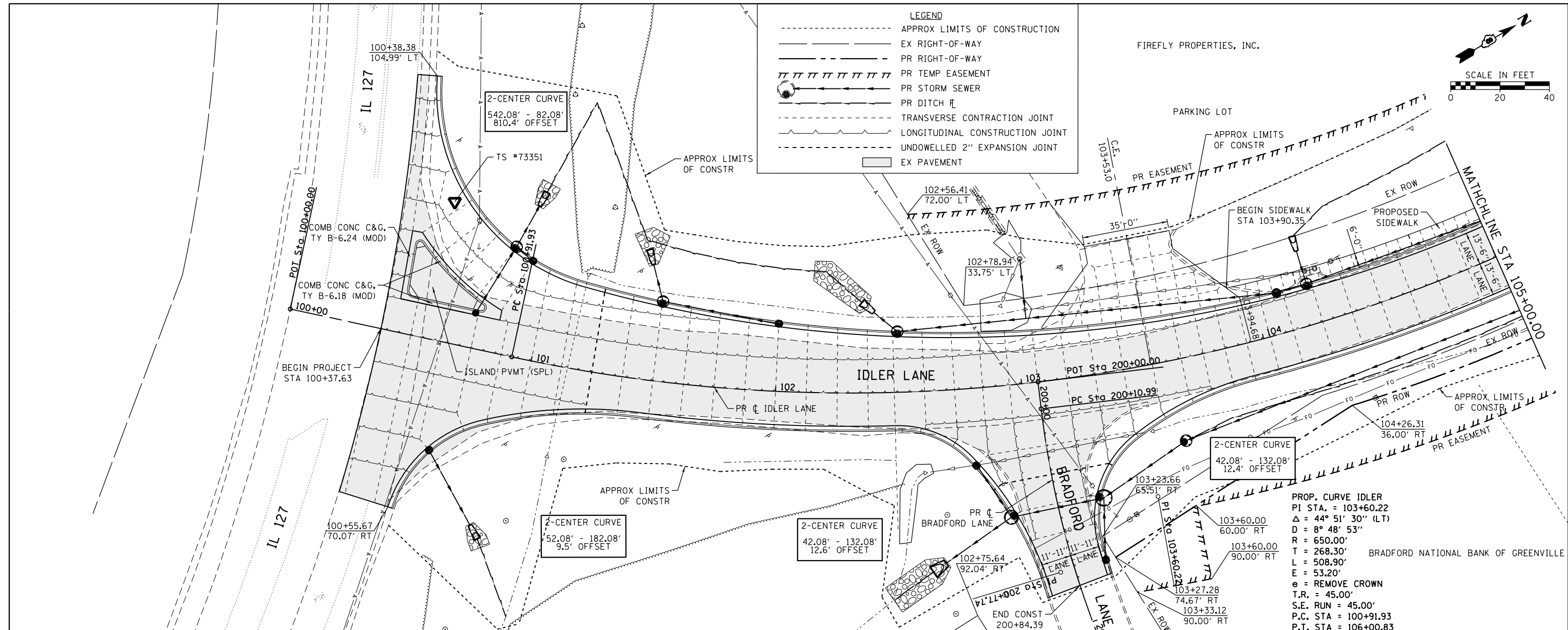
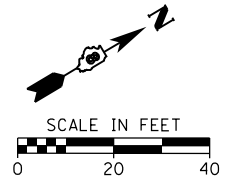
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	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

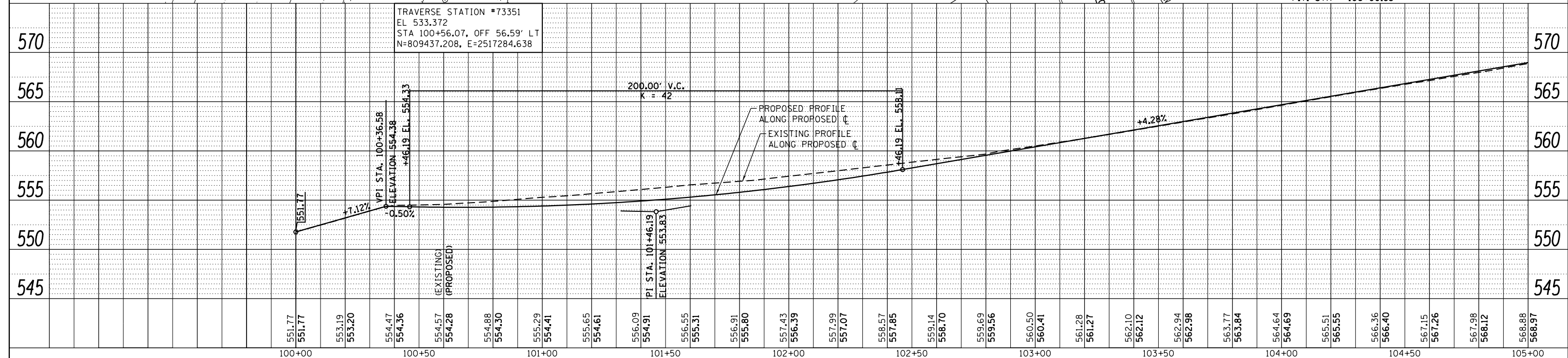
LEGEND

- APPROX LIMITS OF CONSTRUCTION
- EX RIGHT-OF-WAY
- PR RIGHT-OF-WAY
- ||||| PR TEMP EASEMENT
- PR STORM SEWER
- PR DITCH
- TRANSVERSE CONSTRUCTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT
- UNDOWELLED 2" EXPANSION JOINT
- █ EX PAVEMENT

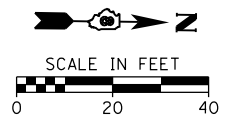
FIREFLY PROPERTIES, INC.



PROP. CURVE IDLER
 PI STA. = 103+60.22
 $\Delta = 44^\circ 51' 30''$ (LT)
 $D = 8^\circ 48' 53''$
 $R = 650.00'$
 $T = 268.30'$
 $L = 508.90'$
 $E = 53.20'$
 $e = \text{REMOVE CROWN}$
 $T.R. = 45.00'$
 $S.E. \text{ RUN} = 45.00'$
 $P.C. \text{ STA} = 100+91.93$
 $P.T. \text{ STA} = 106+00.83$

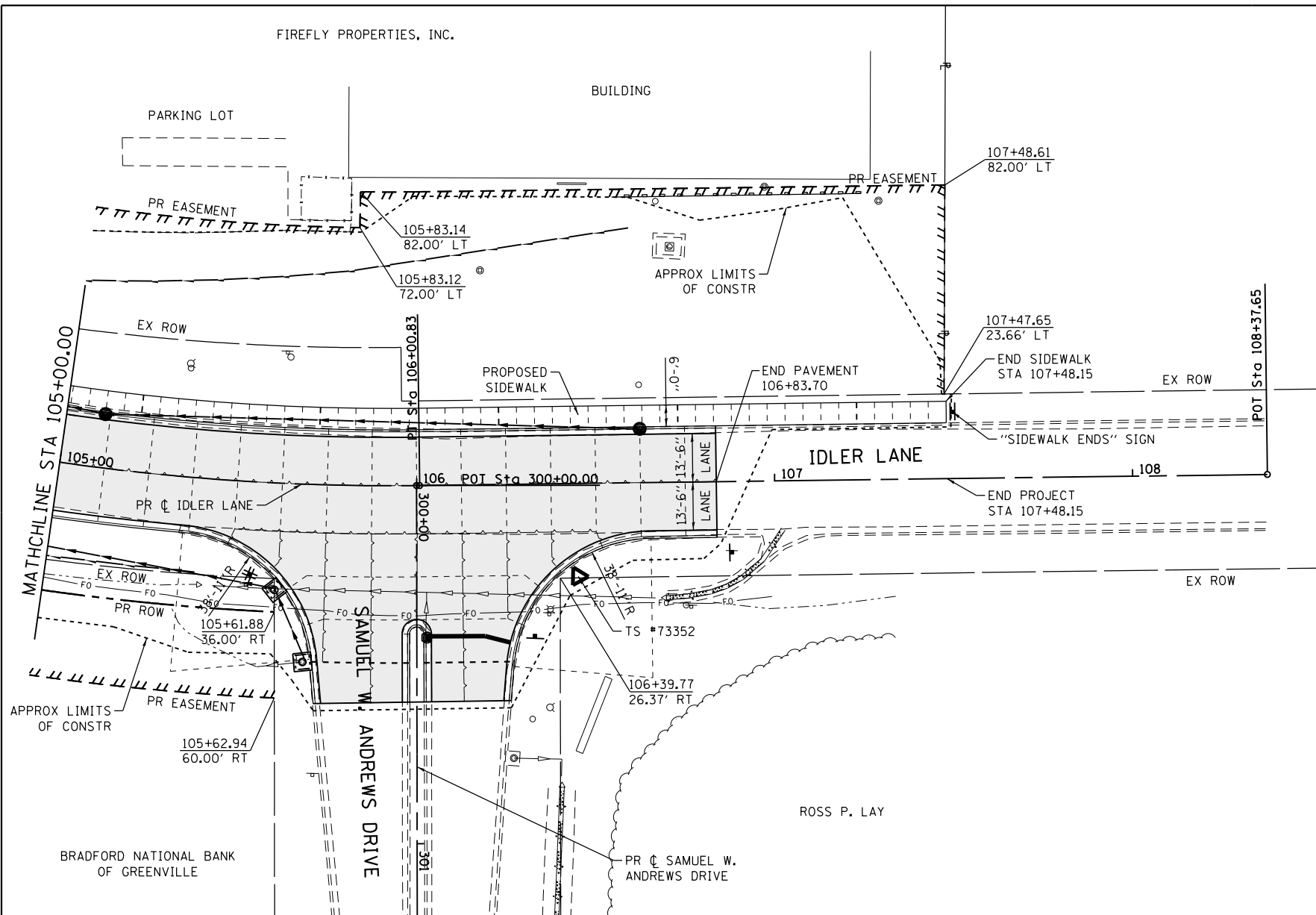


FILE NAME = H:\7335-Greenville\idlerLane\CADD_Sheets\7335-SHT-PLNPRF_IDLER.dgn	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PLAN AND PROFILE IDLER LANE</p> <p>SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 100+00.00 TO STA. 105+00.00</p>	F.A.U. RT. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 17
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier_john	DRAWN -		CONTRACT NO. 97665	ILLINOIS FED. AID PROJECT			
PLOT SCALE = 48.0000" / in.	CHECKED -	REVISED -						
PLOT DATE = 12/27/2017	DATE -	REVISED -						

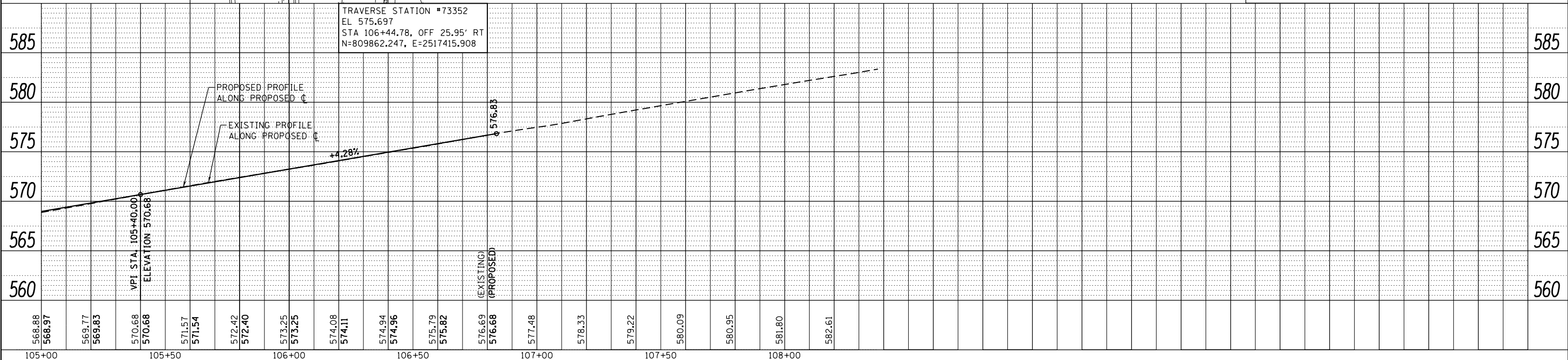


DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME



LEGEND	
---	APPROX LIMITS OF CONSTRUCTION
---	EX RIGHT-OF-WAY
---	PR RIGHT-OF-WAY
	PR TEMP EASEMENT
—●—	PR STORM SEWER
— —	PR DITCH
---	TRANSVERSE CONTRACTION JOINT
---	LONGITUDINAL CONSTRUCTION JOINT
---	UNDOWELLED 2" EXPANSION JOINT
▭	EX PAVEMENT



FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-PLANPRF_IDLER.2.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE IDLER LANE	F.A.U. RTE. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 18		
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier.john	DRAWN -			REVISED -	SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA. 105+00.00 TO STA. 108+37.65	CONTRACT NO. 97665		
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -							ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/27/2017	DATE -	REVISED -									

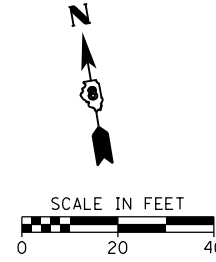
FIREFLY PROPERTIES, INC.
DEED BOOK 919, PAGE 23

PROP. CURVE BRADFORD
PI STA. = 200+77.74
 $\Delta = 20^\circ 11' 06''$ (LT)
D = 15° 16' 44"
R = 375.00'
T = 66.75'
L = 132.11'
E = 5.89'
e = NORMAL CROWN
T.R. = N/A
S.E. RUN = N/A
P.C. STA = 200+10.99
P.T. STA = 201+43.10

2-CENTER CURVE
42.08' - 132.08'
12.4' OFFSET

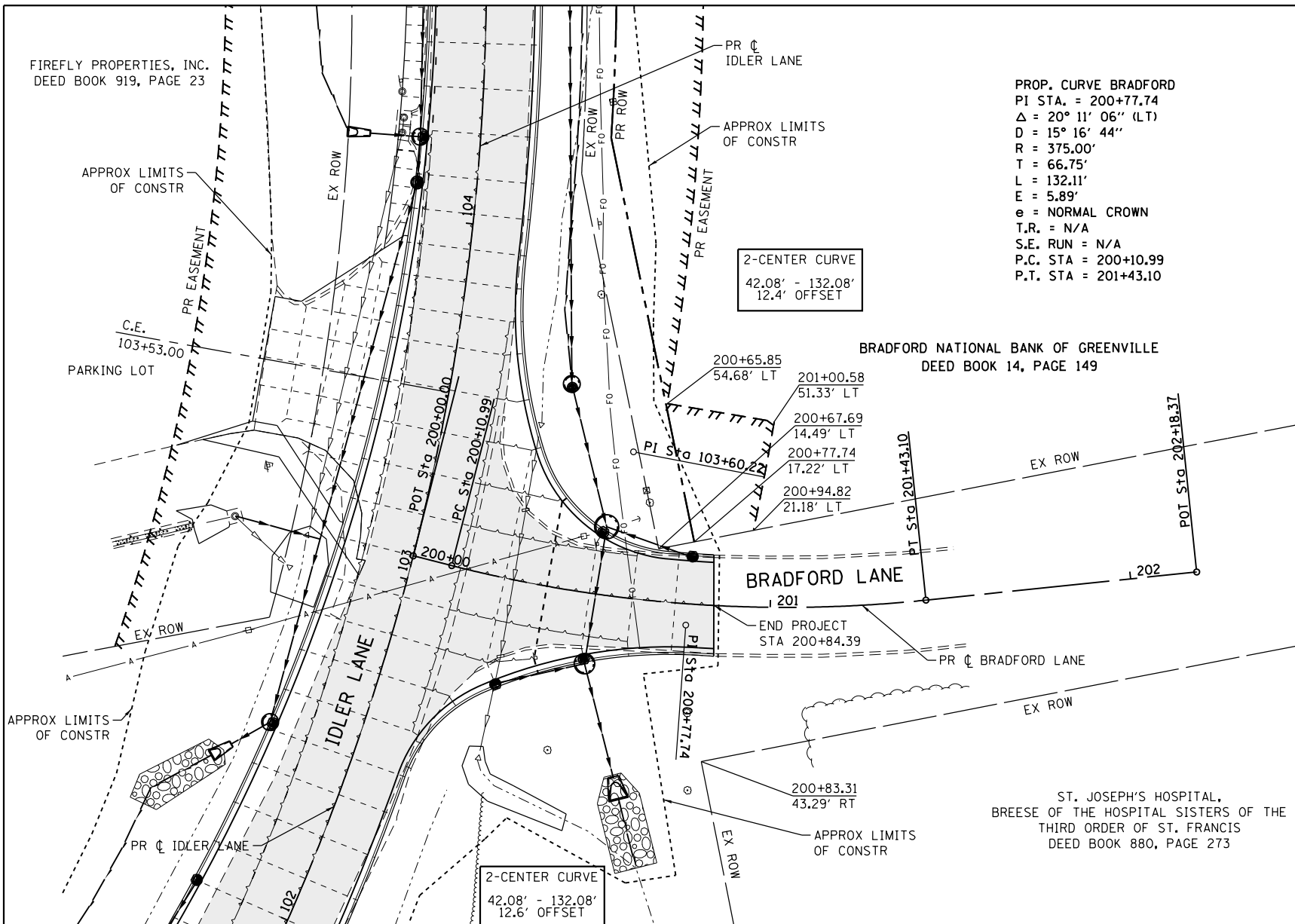
BRADFORD NATIONAL BANK OF GREENVILLE
DEED BOOK 14, PAGE 149

ST. JOSEPH'S HOSPITAL,
BREESE OF THE HOSPITAL SISTERS OF THE
THIRD ORDER OF ST. FRANCIS
DEED BOOK 880, PAGE 273

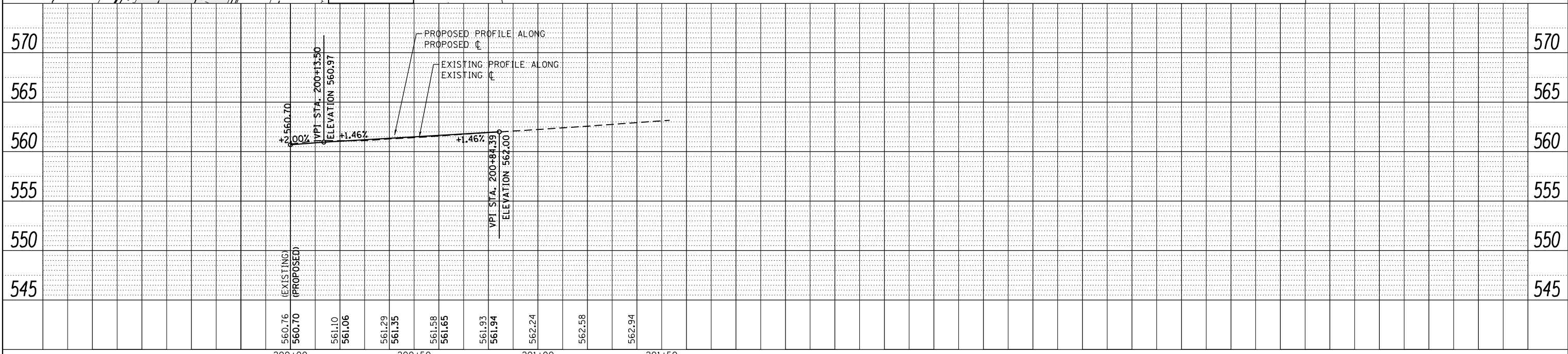


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
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	CHKD	
	NO.	

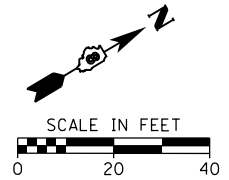


LEGEND	
	APPROX LIMITS OF CONSTRUCTION
	EX RIGHT-OF-WAY
	PR RIGHT-OF-WAY
	PR TEMP EASEMENT
	PR STORM SEWER
	PR DITCH
	TRANSVERSE CONTRACTION JOINT
	LONGITUDINAL CONSTRUCTION JOINT
	UNDOWELLED 2" EXPANSION JOINT
	EX PAVEMENT



FILE NAME = H:\7335_Greenville\IdlerLane\CADD_Sheets\7335-SHT-PLNPRF_BRAO.dgn	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PLAN AND PROFILE BRADFORD LANE</p> <p>SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 200+00.00 TO STA. 200+99.61</p>	F.A.U. RTE. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 19
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwierjohn	DRAWN -		REVISED -	CONTRACT NO. 97665			
PLOT SCALE = 48.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td> <td>REVISED -</td> <td colspan="4">ILLINOIS FED. AID PROJECT</td>	CHECKED -	REVISED -		REVISED -	ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/27/2017	DATE -	REVISED -		REVISED -				

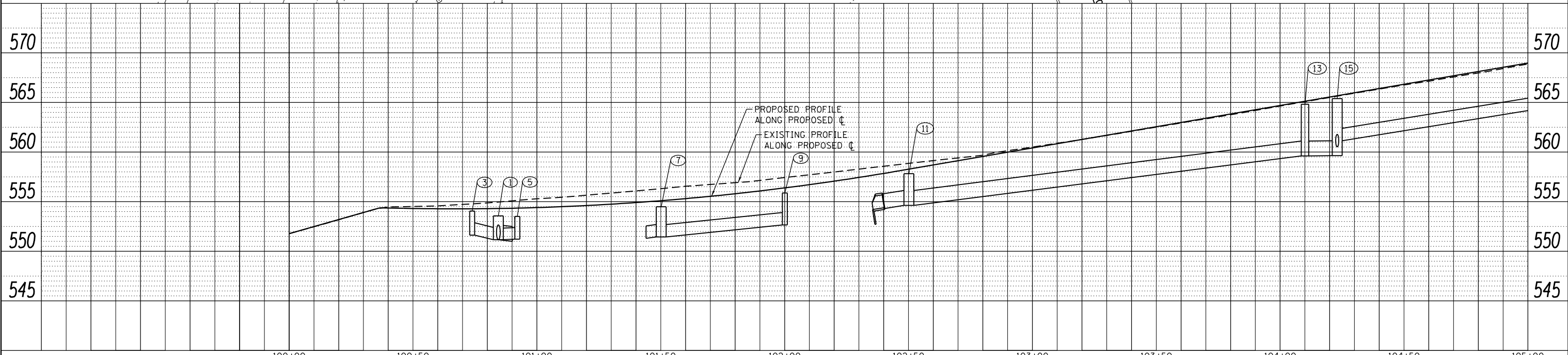
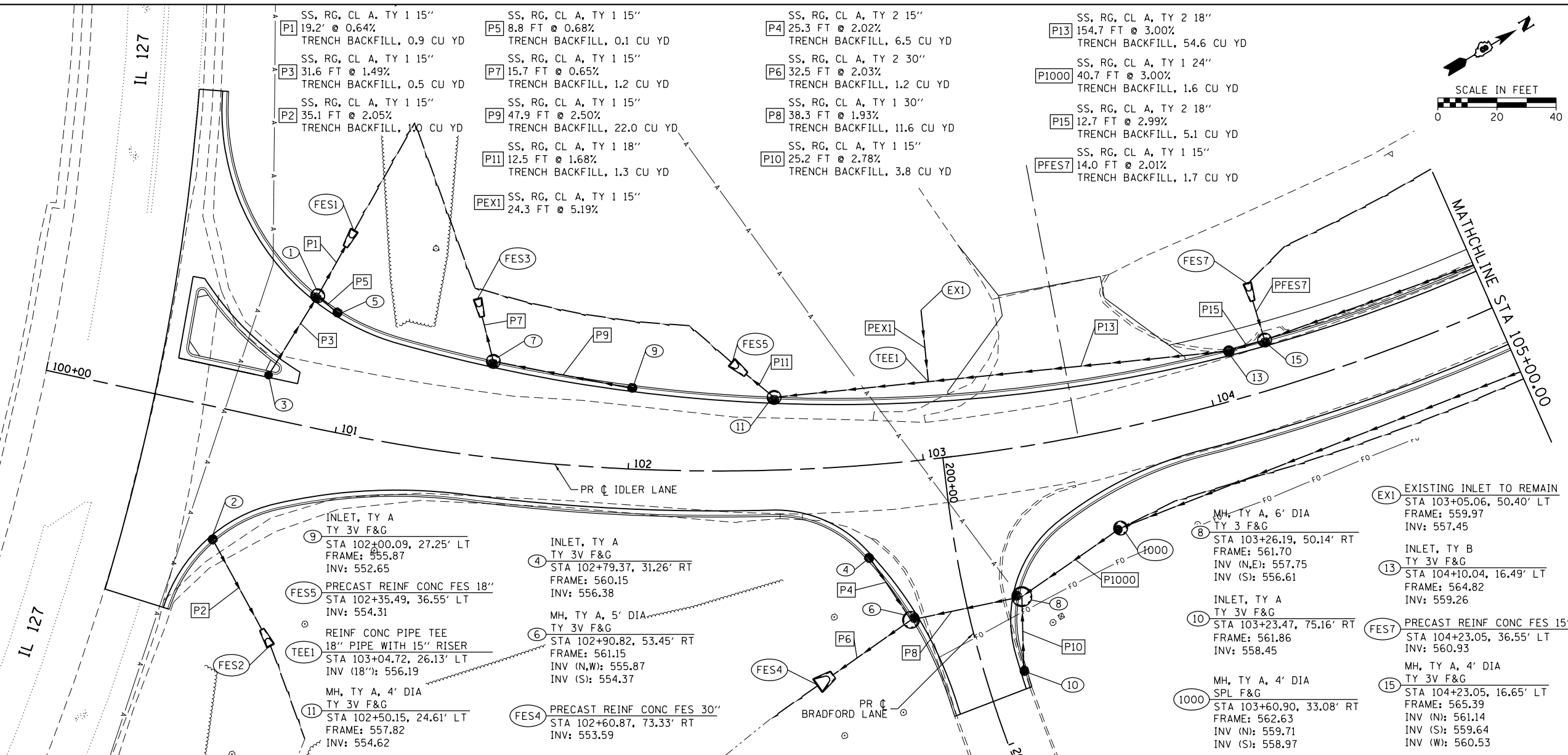
NOTE: PIPE LENGTH BETWEEN INLETS/MANHOLES ARE SHOWN/MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.



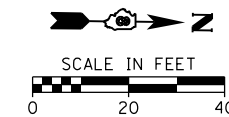
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	GRADES CHECKED	
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	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

- (FES1) PRECAST REINF CONC FES 15"
STA 100+91.82, 68.04' LT
INV: 551.00
MH, TY A, 4' DIA
TY 3 F&G, SPL
① STA 100+84.44, 44.05' LT
FRAME: 553.57
INV: 551.16
INLET, TY A
TY 23 F&G
③ STA 100+73.85, 14.27' LT
FRAME: 554.05
INV: 551.63
INLET, TY A
TY 3 F&G
⑤ STA 100+92.13, 39.70' LT
FRAME: 553.51
INV: 551.22
INLET, TY A
TY 3 F&G
② STA 100+66.96, 43.90' RT
FRAME: 554.42
INV: 551.79
- (FES2) PRECAST REINF CONC FES 15"
STA 100+93.53, 74.93' RT
INV: 550.95
- (FES3) PRECAST REINF CONC FES 15"
STA 101+41.70, 52.50' LT
INV: 551.31
MH, TY A, 4' DIA
TY 3V F&G
⑦ STA 101+50.20, 32.43' LT
FRAME: 554.49
INV: 551.45

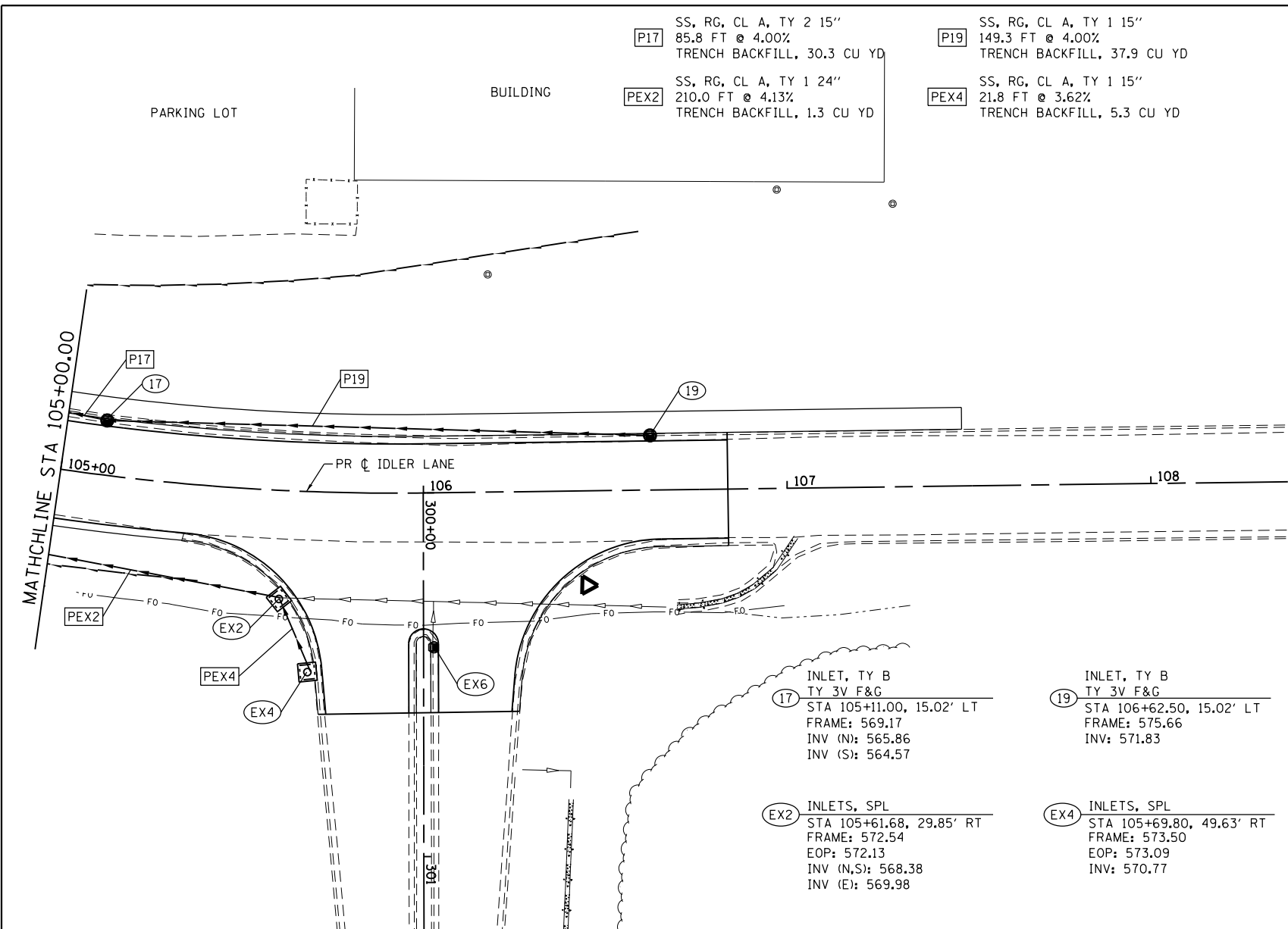


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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier_john	DRAWN -					9836	17-00042-01-WR	BOND	64	20
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 97665				
PLOT DATE = 12/27/2017	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
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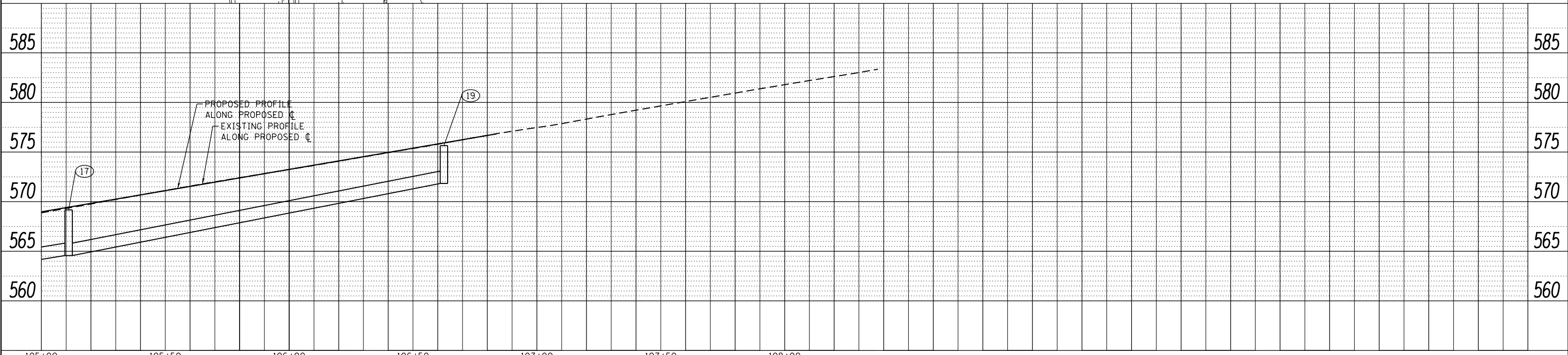
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	



- P17 SS, RG, CL A, TY 2 15"
85.8 FT @ 4.00%
TRENCH BACKFILL, 30.3 CU YD
- PEX2 SS, RG, CL A, TY 1 24"
210.0 FT @ 4.13%
TRENCH BACKFILL, 1.3 CU YD
- P19 SS, RG, CL A, TY 1 15"
149.3 FT @ 4.00%
TRENCH BACKFILL, 37.9 CU YD
- PEX4 SS, RG, CL A, TY 1 15"
21.8 FT @ 3.62%
TRENCH BACKFILL, 5.3 CU YD

- EX2 INLETS, SPL
STA 105+61.68, 29.85' RT
FRAME: 572.54
EOP: 572.13
INV (N,S): 568.38
INV (E): 569.98
- EX4 INLETS, SPL
STA 105+69.80, 49.63' RT
FRAME: 573.50
EOP: 573.09
INV: 570.77
- EX6 F&G TO BE ADJ
STA 106+02.52, 42.48' RT
FRAME: 573.61
INV: EXISTING
- 17 INLET, TY B
TY 3V F&G
STA 105+11.00, 15.02' LT
FRAME: 569.17
INV (N): 565.86
INV (S): 564.57
- 19 INLET, TY B
TY 3V F&G
STA 106+62.50, 15.02' LT
FRAME: 575.66
INV: 571.83

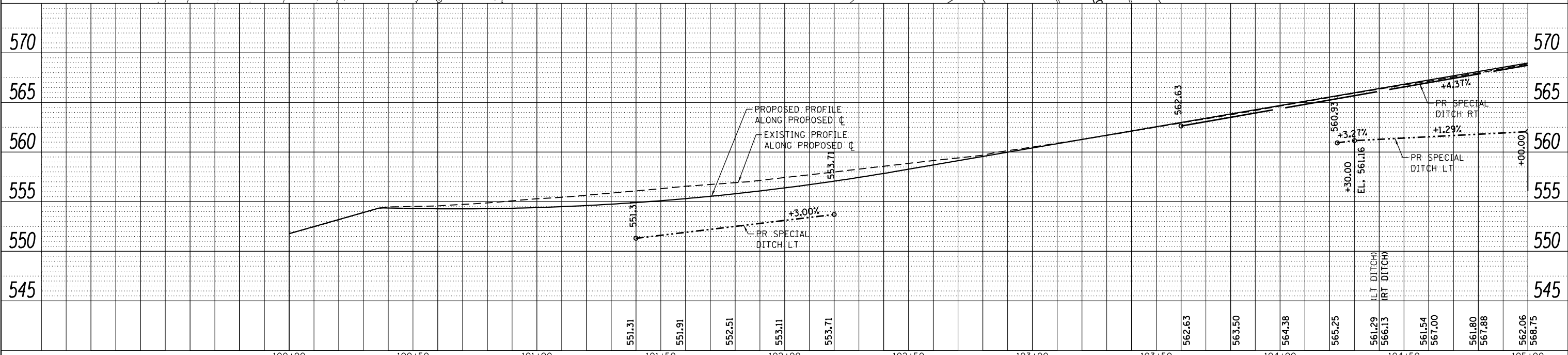
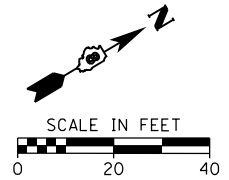
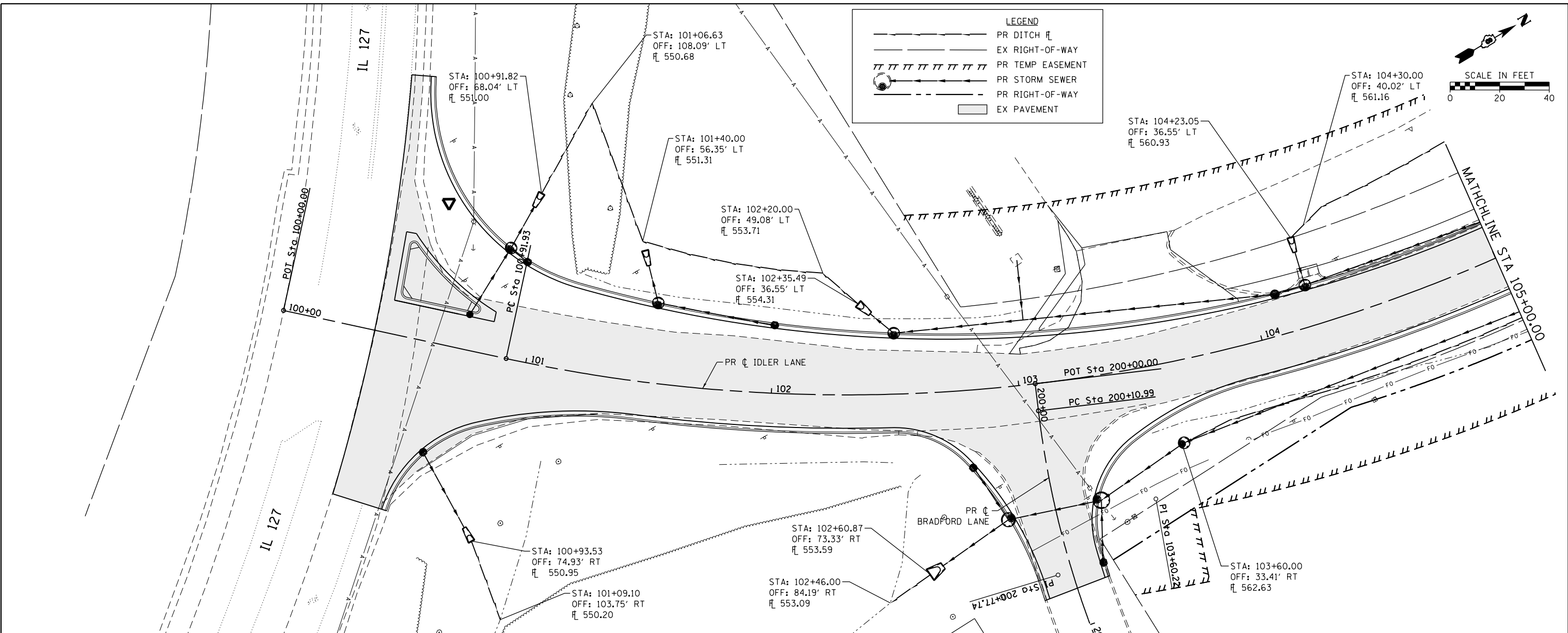
NOTE: PIPE LENGTH BETWEEN INLETS/MANHOLES ARE SHOWN/MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.



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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier_john	DRAWN -				REVISED -	9836	17-00042-01-WR	BOND	64	21	
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -				REVISED -	CONTRACT NO. 97665					
PLOT DATE = 12/27/2017	DATE -	REVISED -				REVISED -	SCALE: 1"=20'		SHEET 2 OF 2 SHEETS		STA. 105+00.00 TO STA. 108+37.65	

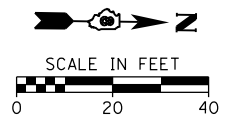
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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



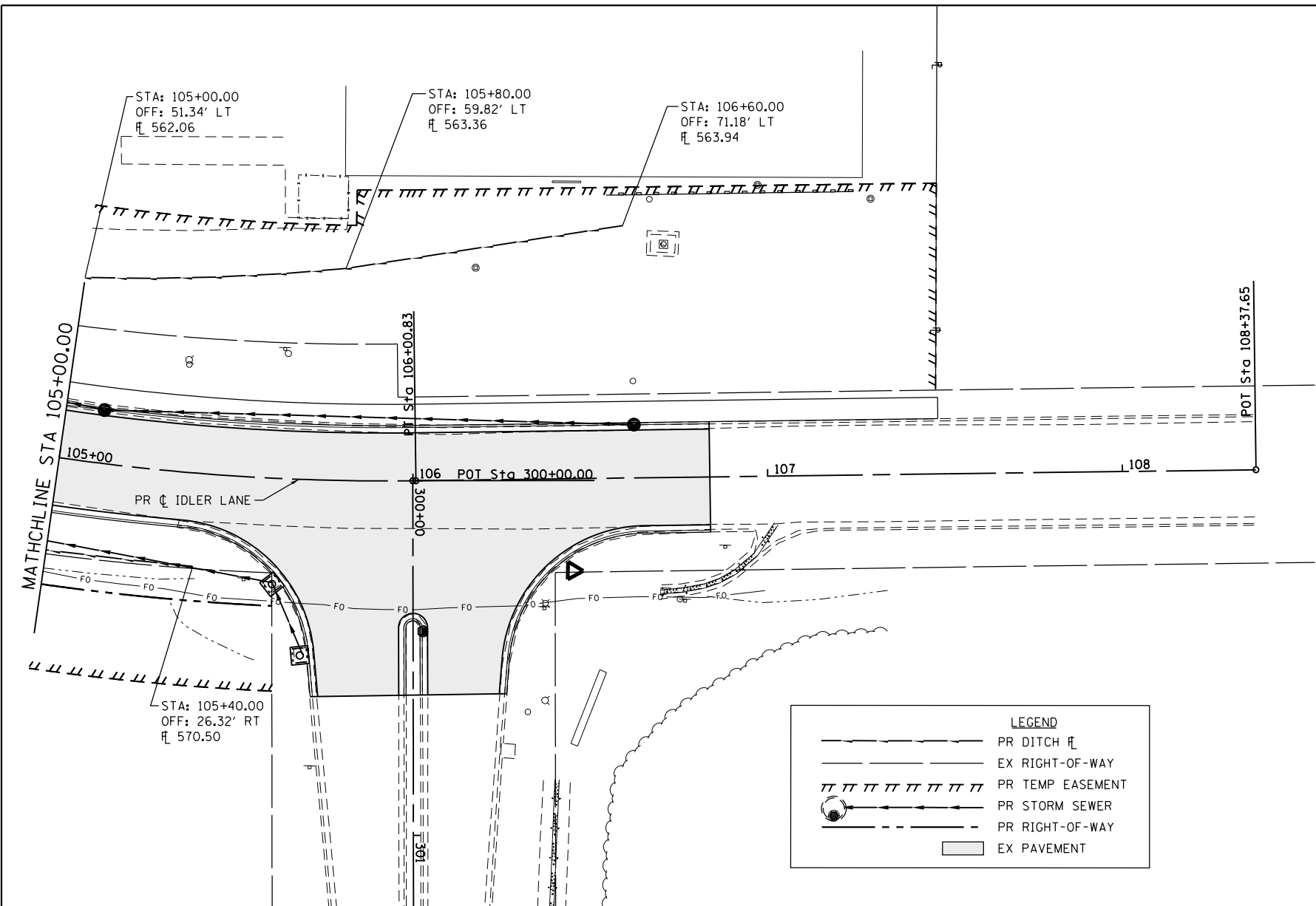
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USER NAME = kschwier_john	DRAWN -	REVISED -				9836	17-00042-01-WR	BOND	64	22
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 97665				
PLOT DATE = 12/27/2017	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

HMG
 ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611



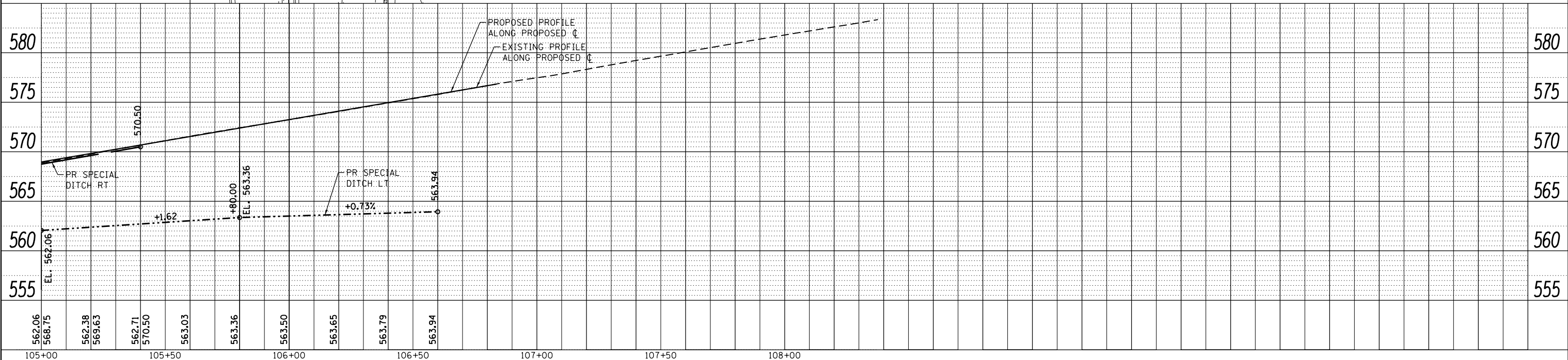
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS CHECKED	NO.
	NO.	

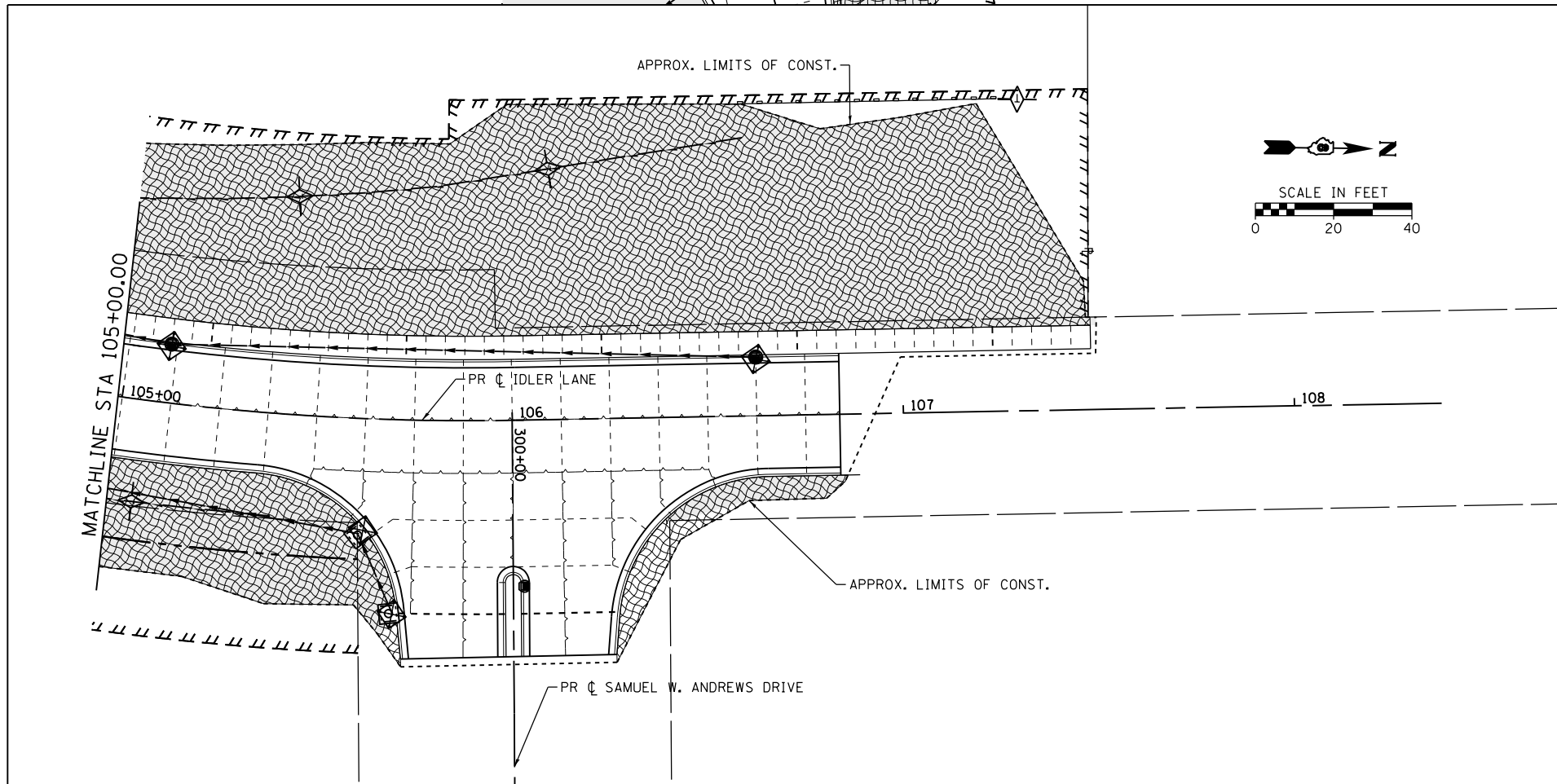
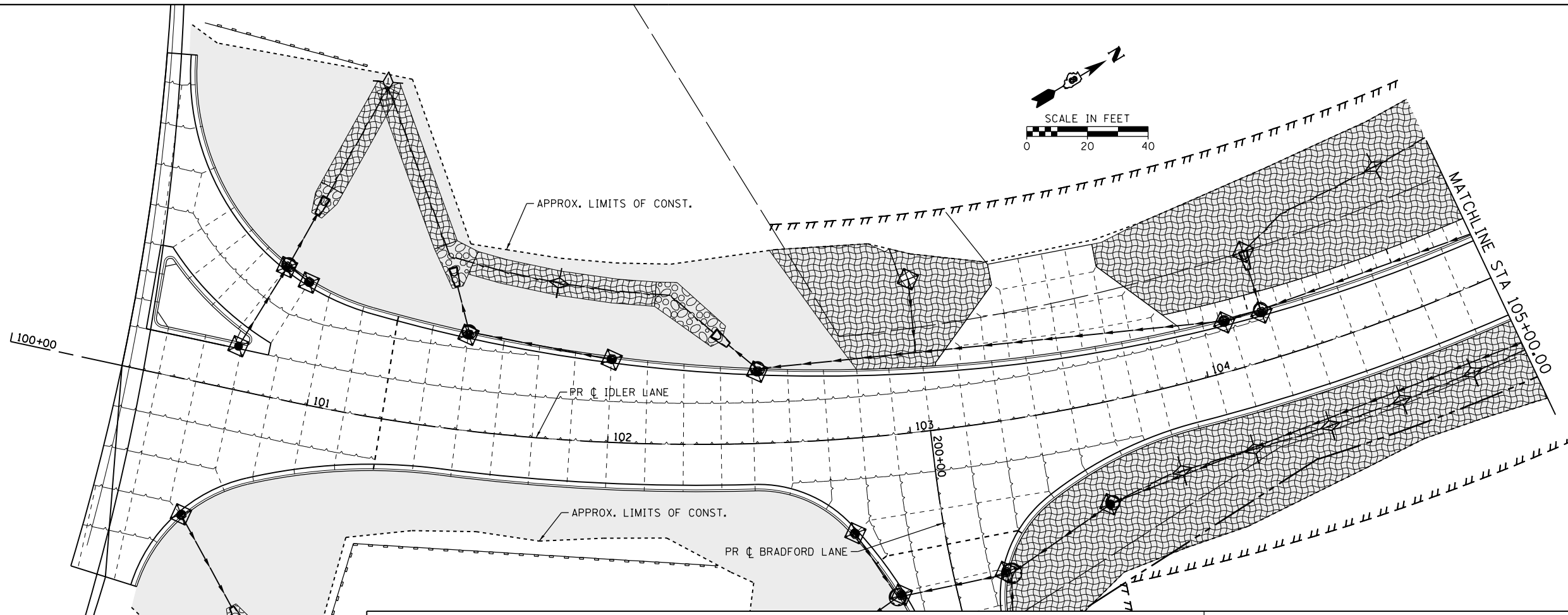


LEGEND

- PR DITCH
- EX RIGHT-OF-WAY
- PR TEMP EASEMENT
- PR STORM SEWER
- PR RIGHT-OF-WAY
- EX PAVEMENT



FILE NAME = H:\7335-Greenville\idlerLane\CADD_Sheets\7335-SHT-DITCH-IDLER.2.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DITCH PLAN AND PROFILE IDLER LANE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
USER NAME = kschwier_john	DRAWN -	REVISED -				9836	17-00042-01-WR	BOND	64	23	
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=20'		SHEET 2 OF 2 SHEETS		STA. 105+00.00 TO STA. 108+37.65		CONTRACT NO. 97665	
PLOT DATE = 12/27/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



LEGEND	
	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION / INLET FILTERS
	PERIMETER EROSION BARRIER
	APPROXIMATE LIMITS OF CONSTRUCTION
	SEEDING (TEMPORARY AND PERMANENT) AND MULCH
	RIPRAP
	EROSION CONTROL BLANKET
	EX RIGHT-OF-WAY
	PR RIGHT-OF-WAY
	PR TEMPORARY EASEMENT

FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-EROS_IDLER.dgn
 USER NAME = kschwier.john
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 12/27/2017

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

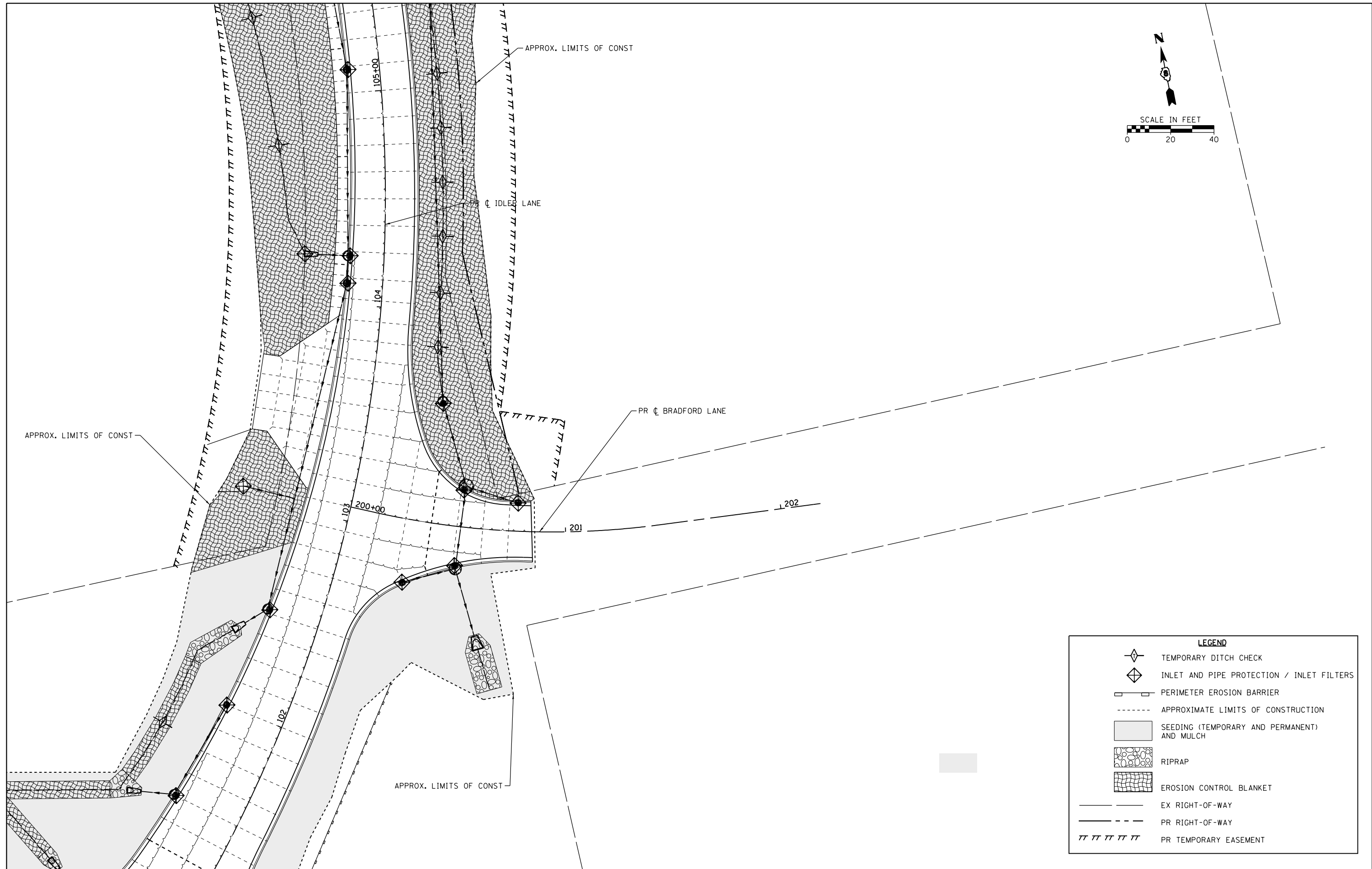
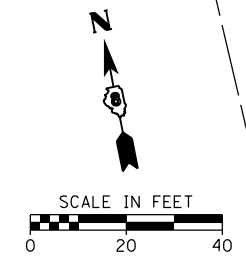
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 IDLER LANE**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	24
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				



LEGEND

	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION / INLET FILTERS
	PERIMETER EROSION BARRIER
	APPROXIMATE LIMITS OF CONSTRUCTION
	SEEDING (TEMPORARY AND PERMANENT) AND MULCH
	RIPRAP
	EROSION CONTROL BLANKET
	EX RIGHT-OF-WAY
	PR RIGHT-OF-WAY
	PR TEMPORARY EASEMENT

FILE NAME = H:\7335_Greenville\IdleLane\CADD_Sheets\7335-SHT-EROS_BRAD.dgn	DESIGNED -	REVISED -
USER NAME = kschwier_john	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/27/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

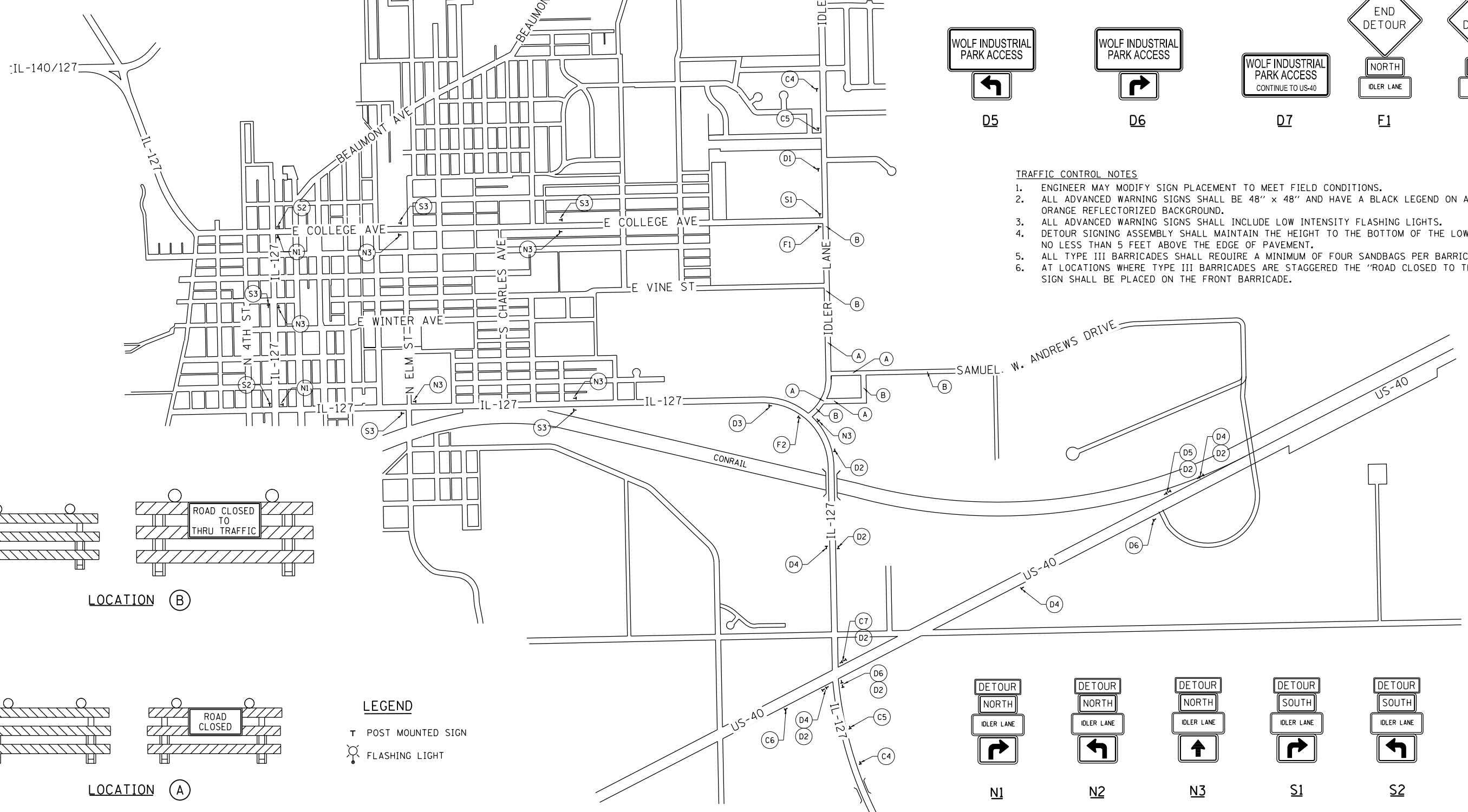
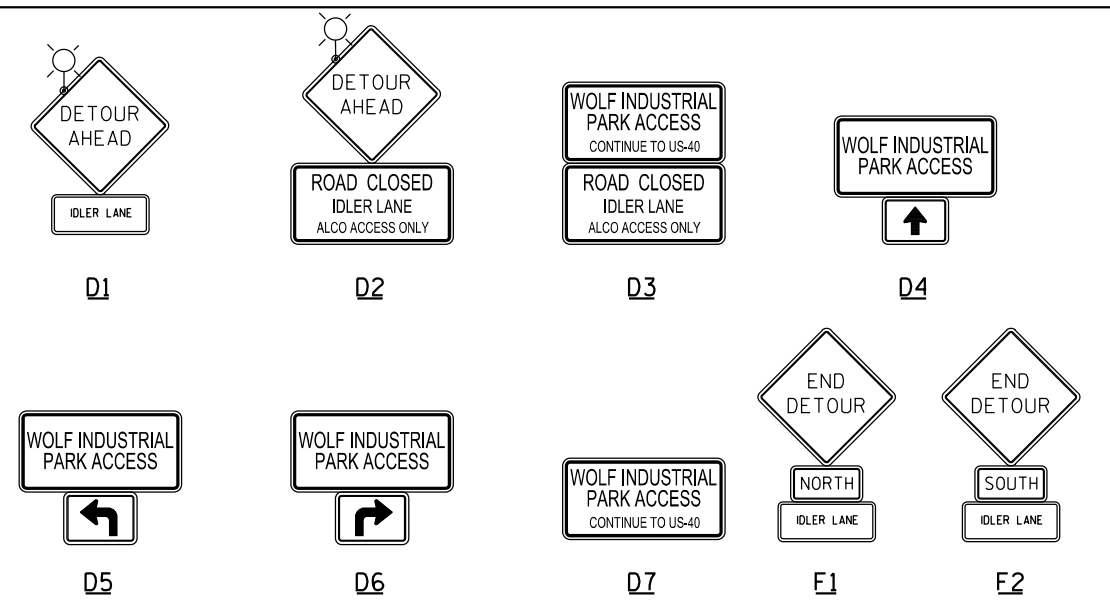
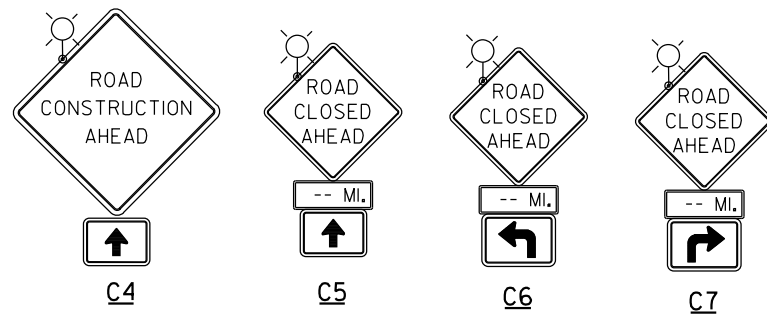
**EROSION CONTROL PLAN
BRADFORD LANE**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

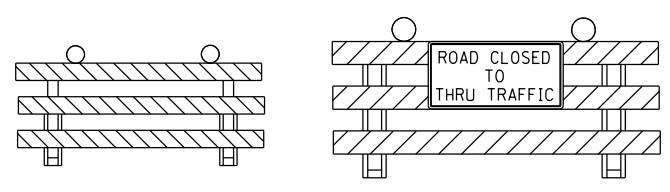
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	25
CONTRACT NO. 97665				

ILLINOIS FED. AID PROJECT

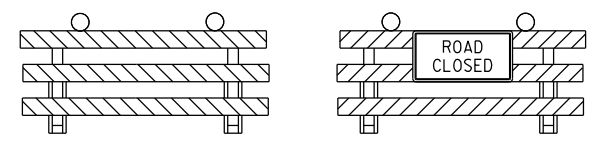




- TRAFFIC CONTROL NOTES**
- ENGINEER MAY MODIFY SIGN PLACEMENT TO MEET FIELD CONDITIONS.
 - ALL ADVANCED WARNING SIGNS SHALL BE 48" x 48" AND HAVE A BLACK LEGEND ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
 - ALL ADVANCED WARNING SIGNS SHALL INCLUDE LOW INTENSITY FLASHING LIGHTS.
 - DETOUR SIGNING ASSEMBLY SHALL MAINTAIN THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN NO LESS THAN 5 FEET ABOVE THE EDGE OF PAVEMENT.
 - ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
 - AT LOCATIONS WHERE TYPE III BARRICADES ARE STAGGERED THE "ROAD CLOSED TO THRU TRAFFIC" SIGN SHALL BE PLACED ON THE FRONT BARRICADE.



LOCATION B

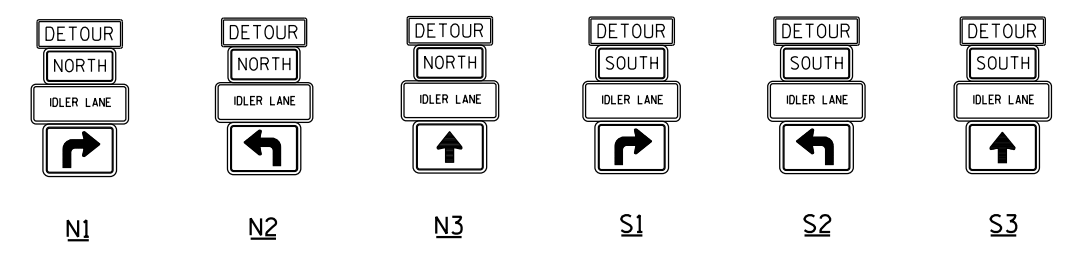


LOCATION A

LEGEND

T POST MOUNTED SIGN

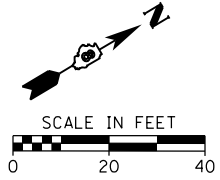
FLASHING LIGHT



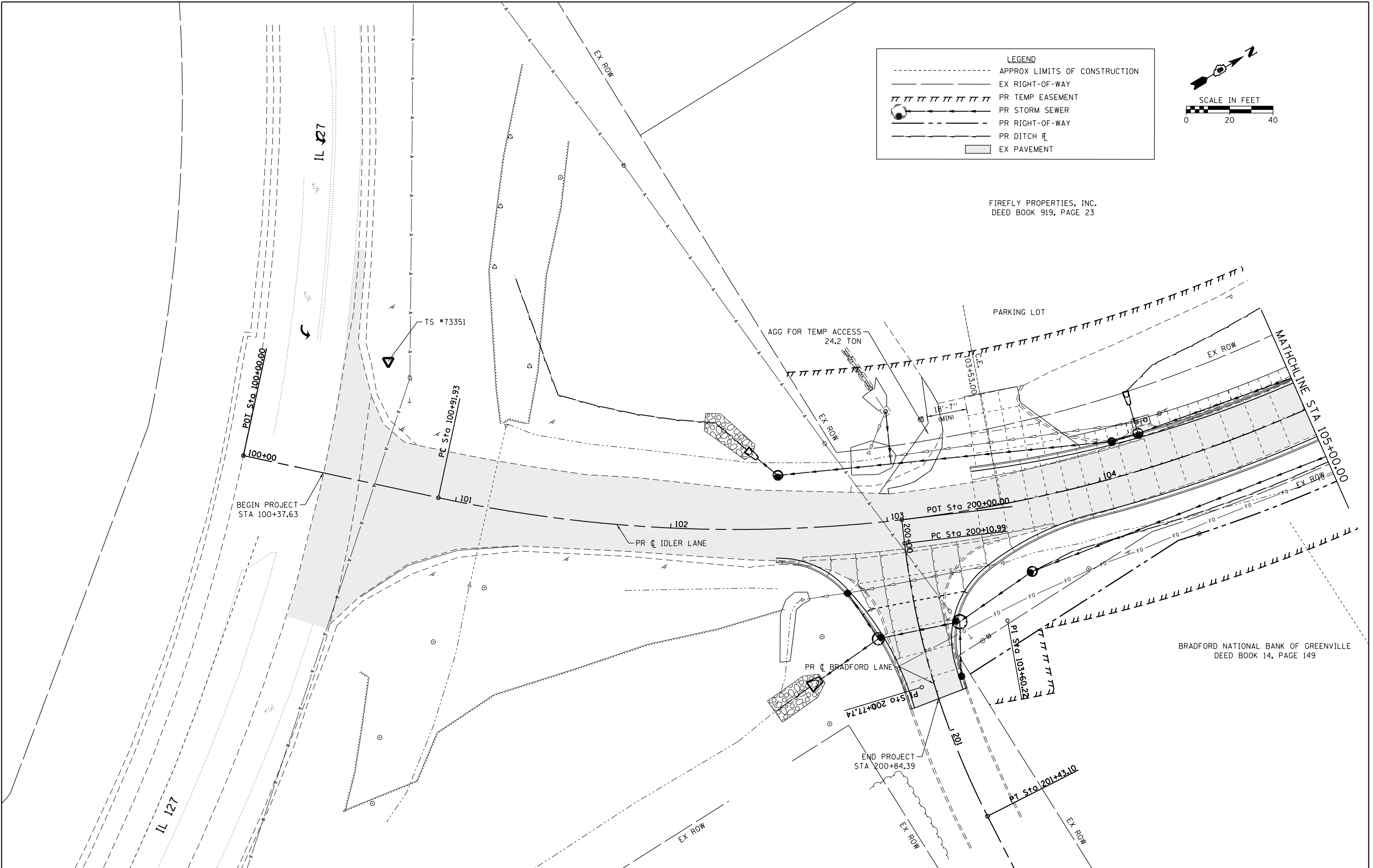
FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-DETOUR-STAGE1.dgn HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION PLAN STAGE 1 DETOUR ROUTE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = kschwier.john	DRAWN -				REVISED -	9836	17-00042-01-WR	BOND	64
PLOT SCALE = 1200.0000' / in.	CHECKED -	REVISED -	SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.		CONTRACT NO. 97665		ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/27/2017	DATE -	REVISED -								

LEGEND

- APPROX LIMITS OF CONSTRUCTION
- EX RIGHT-OF-WAY
- ||||| PR TEMP EASEMENT
- PR STORM SEWER
- PR RIGHT-OF-WAY
- PR DITCH
- █ EX PAVEMENT



FIREFLY PROPERTIES, INC.
DEED BOOK 919, PAGE 23



BRADFORD NATIONAL BANK OF GREENVILLE
DEED BOOK 14, PAGE 149

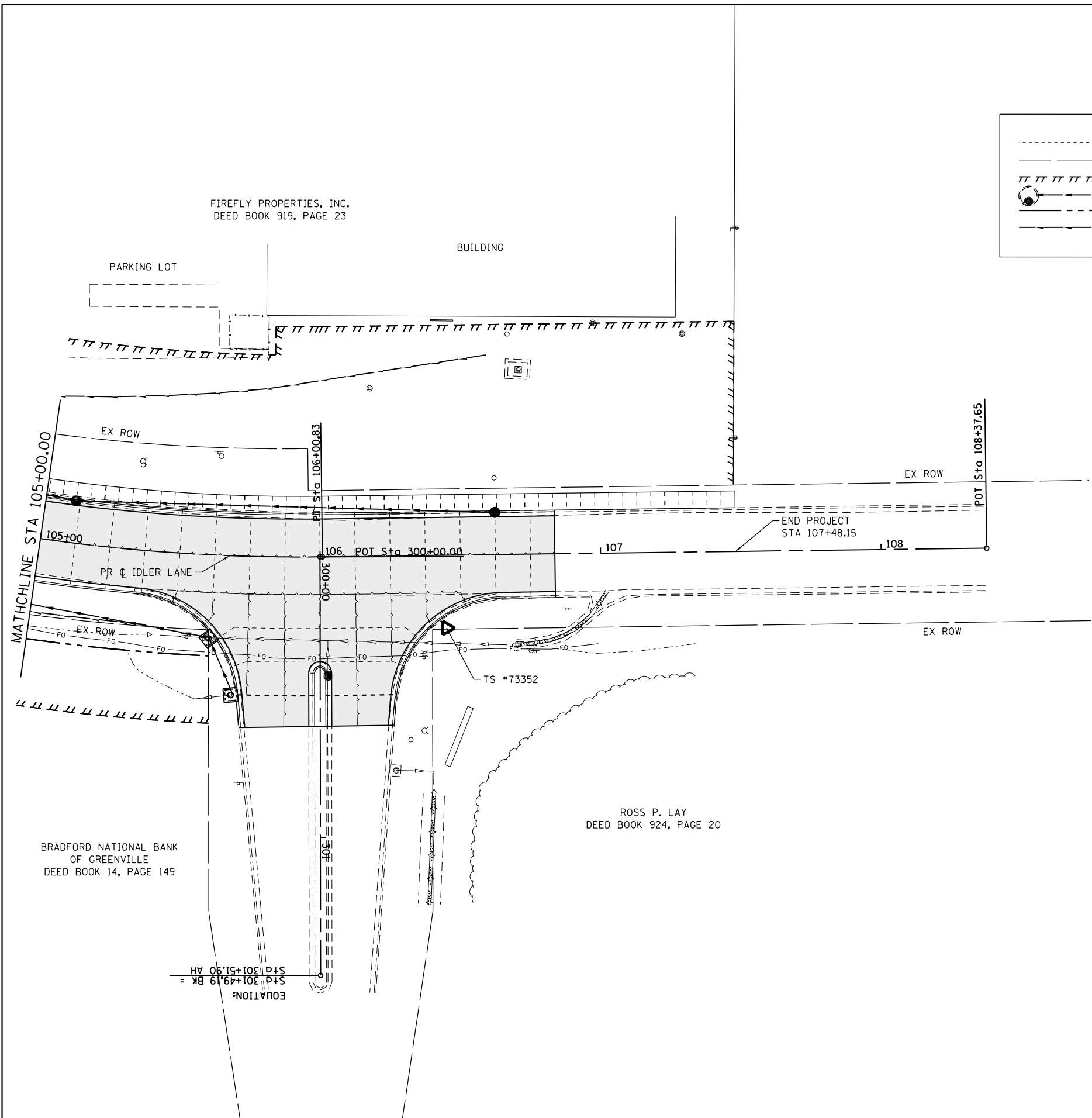
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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	DRAWN -	REVISED -
USER NAME = kschwier_john	CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.	DATE -	REVISED -
PLOT DATE = 12/27/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

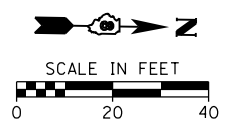
**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1**

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 100+00.00 TO STA. 105+00.00

F.A.U. RTE. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 27
ILLINOIS FED. AID PROJECT				CONTRACT NO. 97665



LEGEND	
-----	APPROX LIMITS OF CONSTRUCTION
-----	EX RIGHT-OF-WAY
	PR TEMP EASEMENT
⊙	PR STORM SEWER
---	PR RIGHT-OF-WAY
---	PR DITCH
█	EX PAVEMENT



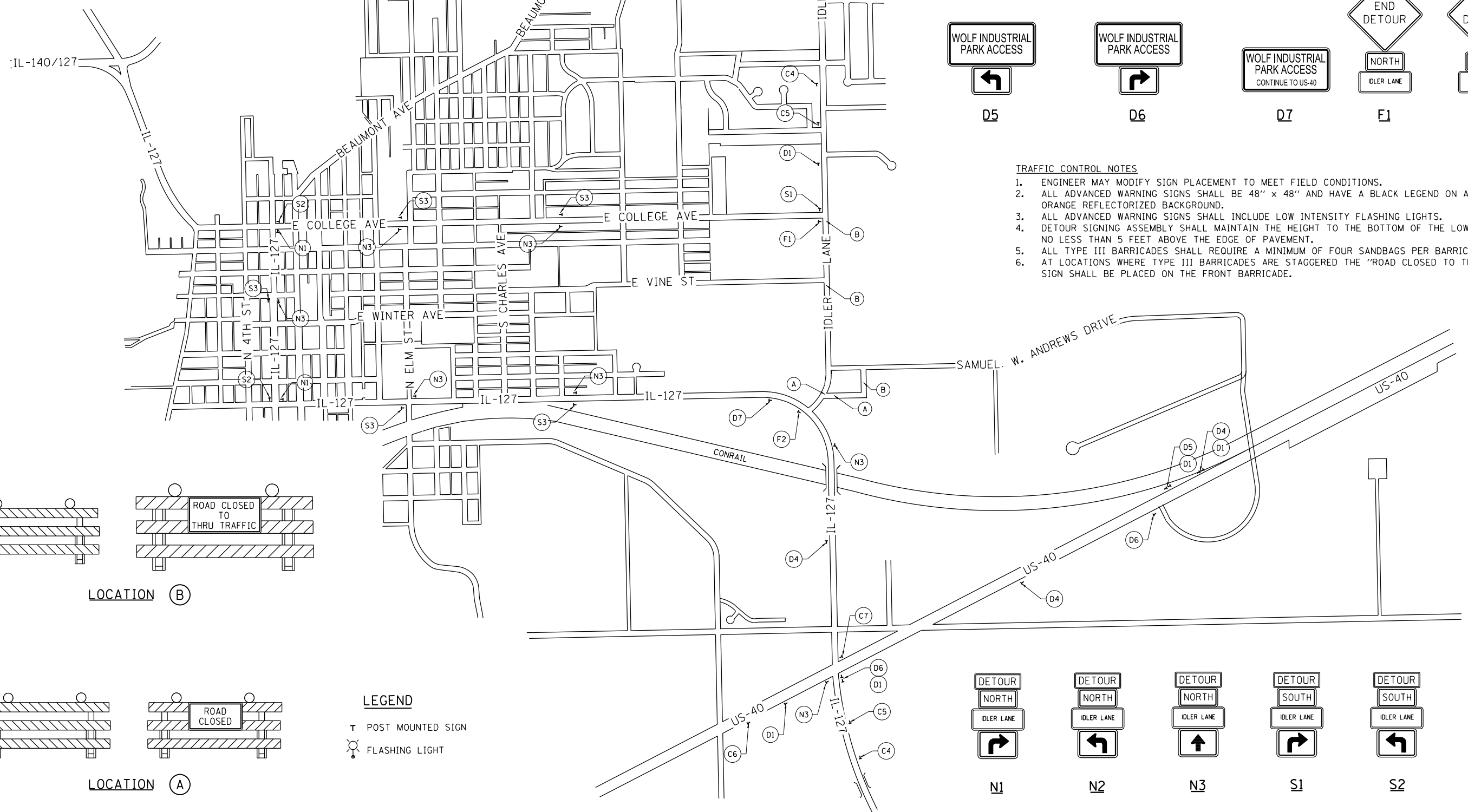
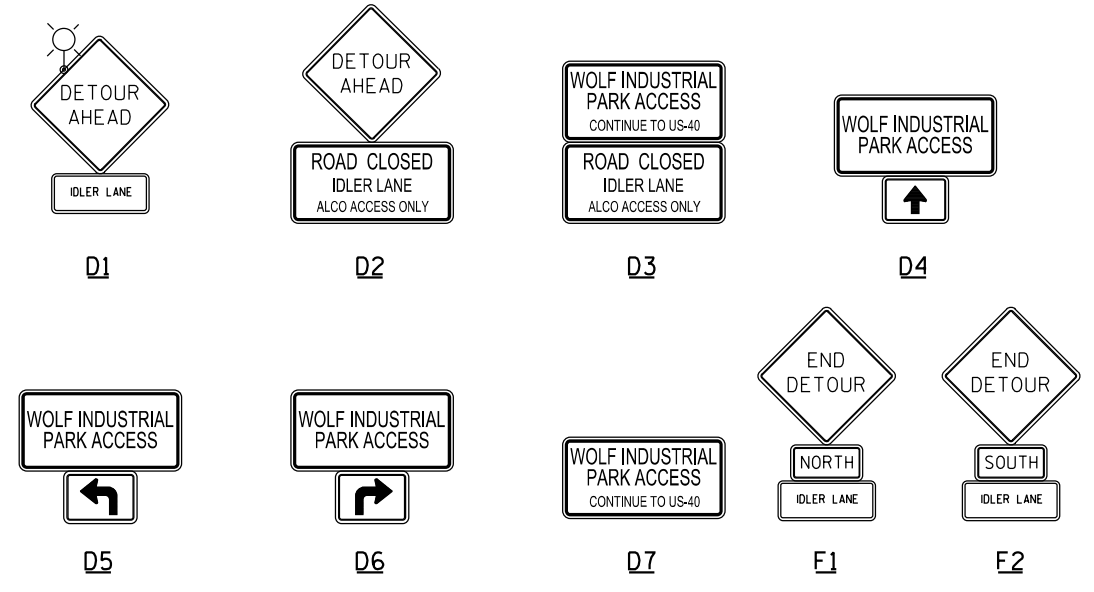
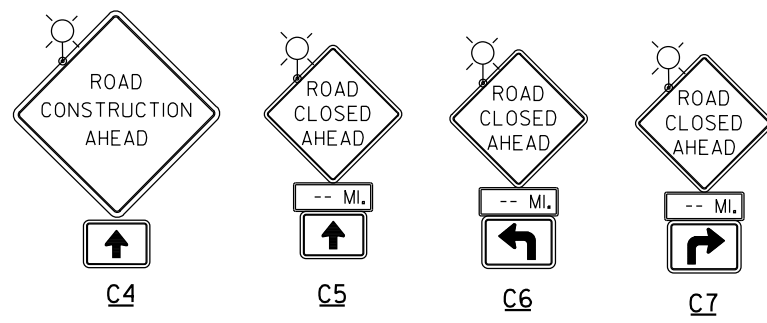
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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	DRAWN -	REVISED -
USER NAME = kschwier.john	CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.	DATE -	REVISED -
PLOT DATE = 12/27/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

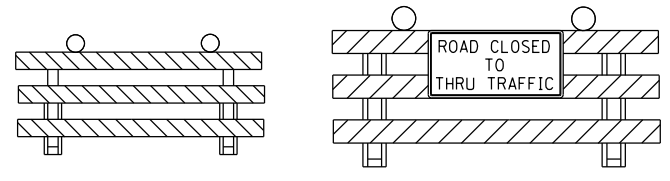
**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1**

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 105+00.00 TO STA. 108+37.65

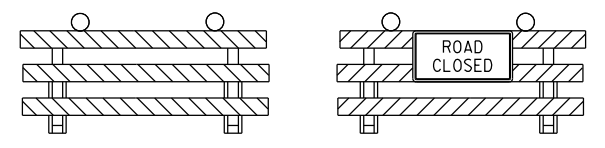
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	28
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				



- TRAFFIC CONTROL NOTES**
- ENGINEER MAY MODIFY SIGN PLACEMENT TO MEET FIELD CONDITIONS.
 - ALL ADVANCED WARNING SIGNS SHALL BE 48" x 48" AND HAVE A BLACK LEGEND ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
 - ALL ADVANCED WARNING SIGNS SHALL INCLUDE LOW INTENSITY FLASHING LIGHTS.
 - DETOUR SIGNING ASSEMBLY SHALL MAINTAIN THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN NO LESS THAN 5 FEET ABOVE THE EDGE OF PAVEMENT.
 - ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
 - AT LOCATIONS WHERE TYPE III BARRICADES ARE STAGGERED THE "ROAD CLOSED TO THRU TRAFFIC" SIGN SHALL BE PLACED ON THE FRONT BARRICADE.

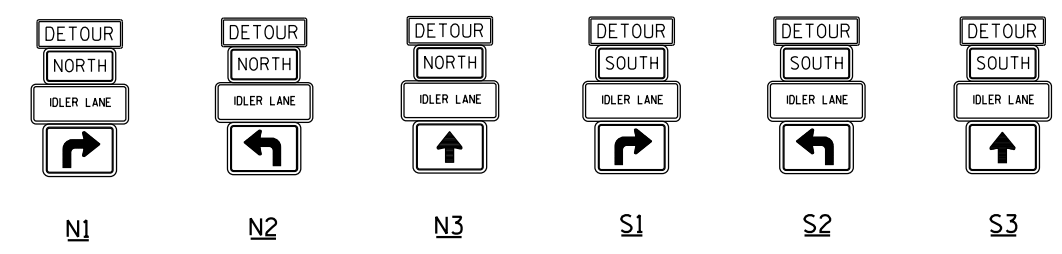


LOCATION B

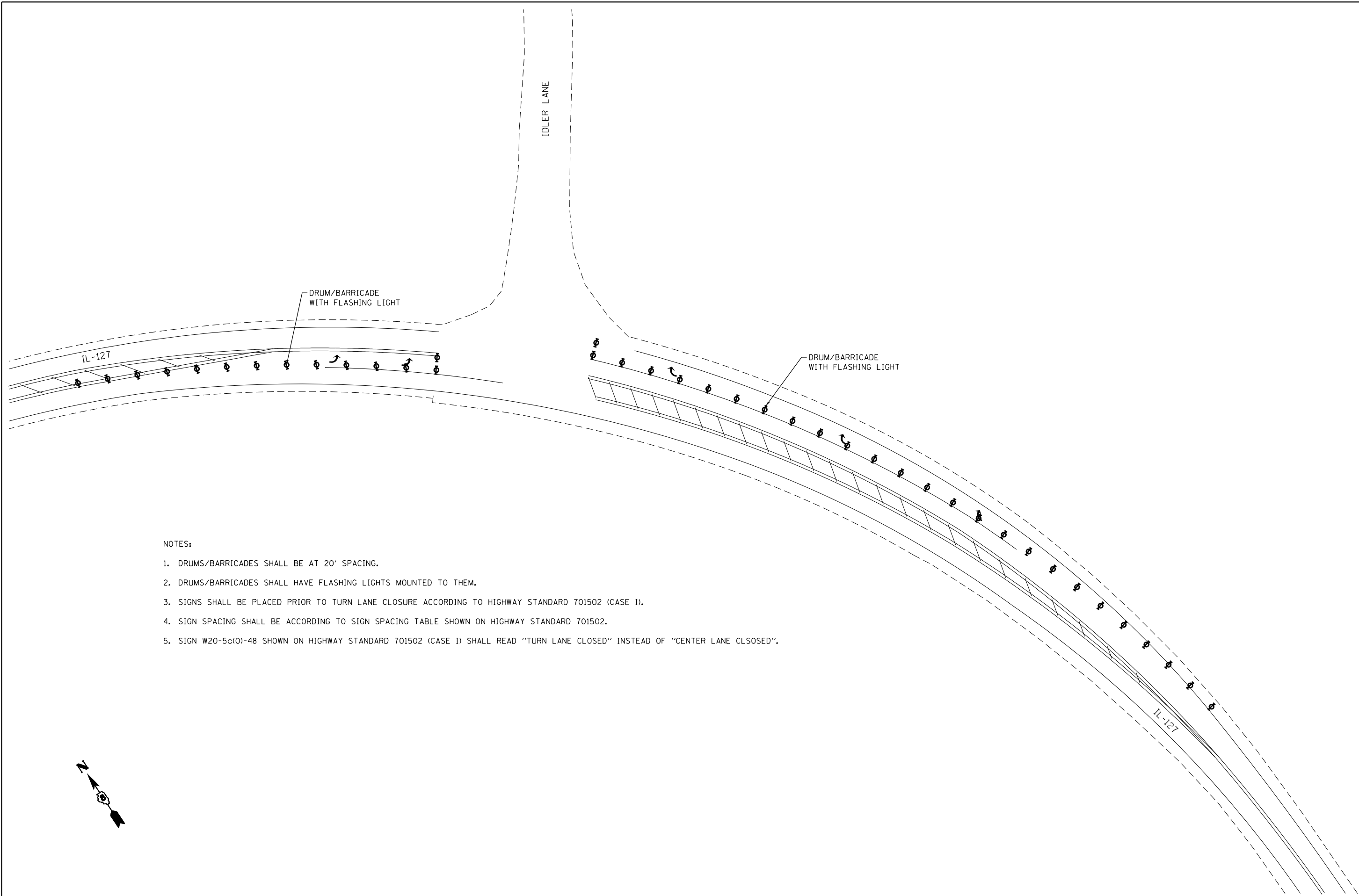


LOCATION A

LEGEND
 T POST MOUNTED SIGN
 FLASHING LIGHT

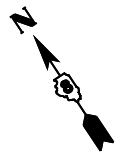


FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-DETOUR-STAGE2.dgn HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier.john PLOT SCALE = 1200.0000' / in. PLOT DATE = 12/27/2017	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION PLAN STAGE 2 DETOUR ROUTE	F.A.U. RTE. = 9836 SECTION = 17-00042-01-WR COUNTY = BOND TOTAL SHEETS = 64 SHEET NO. = 29	CONTRACT NO. 97665 ILLINOIS FED. AID PROJECT
	SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.						



NOTES:

1. DRUMS/BARRICADES SHALL BE AT 20' SPACING.
2. DRUMS/BARRICADES SHALL HAVE FLASHING LIGHTS MOUNTED TO THEM.
3. SIGNS SHALL BE PLACED PRIOR TO TURN LANE CLOSURE ACCORDING TO HIGHWAY STANDARD 701502 (CASE 1).
4. SIGN SPACING SHALL BE ACCORDING TO SIGN SPACING TABLE SHOWN ON HIGHWAY STANDARD 701502.
5. SIGN W20-5c(0)-48 SHOWN ON HIGHWAY STANDARD 701502 (CASE 1) SHALL READ "TURN LANE CLOSED" INSTEAD OF "CENTER LANE CLSOSED".



FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-STAGE2.dgn	DESIGNED -	REVISED -
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier.john	DRAWN -
	PLOT SCALE = 60.0000' / in.	CHECKED -
	PLOT DATE = 12/27/2017	DATE -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

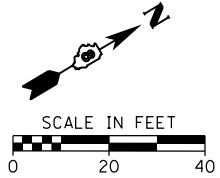
**TRAFFIC CONTROL AND PROTECTION PLAN
TURN LANE CLOSURES**

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

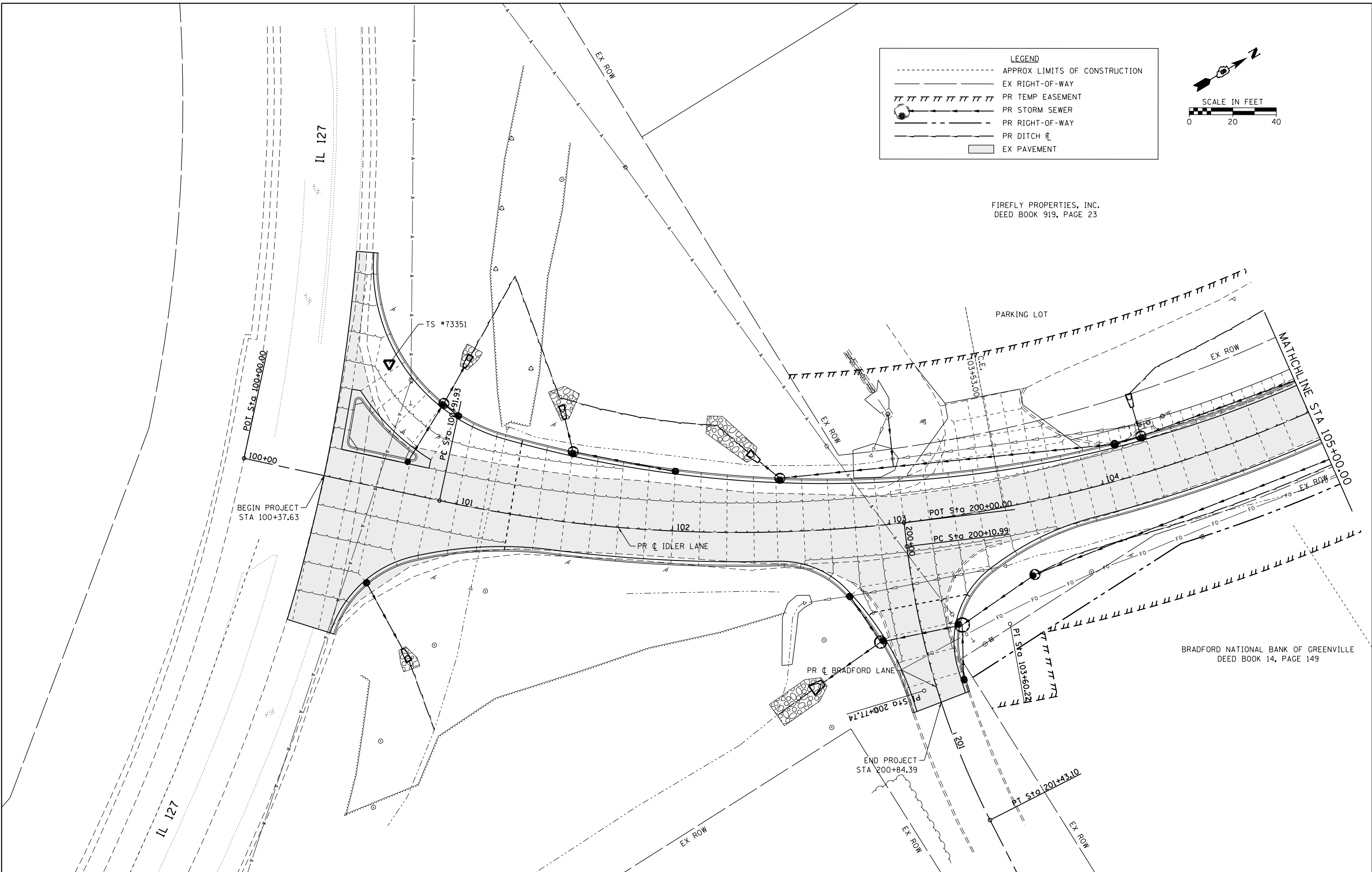
F.A.U. RTE. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 30
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

LEGEND

- APPROX LIMITS OF CONSTRUCTION
- EX RIGHT-OF-WAY
- ||||| PR TEMP EASEMENT
- PR STORM SEWER
- PR RIGHT-OF-WAY
- PR DITCH
- ▭ EX PAVEMENT



FIREFLY PROPERTIES, INC.
DEED BOOK 919, PAGE 23



BRADFORD NATIONAL BANK OF GREENVILLE
DEED BOOK 14, PAGE 149

FILE NAME = H:\7335-Greenville\IdlerLane\CADD_Sheets\7335-SHT-STAGE2-PAGE1.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = kschwier_john
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 12/27/2017

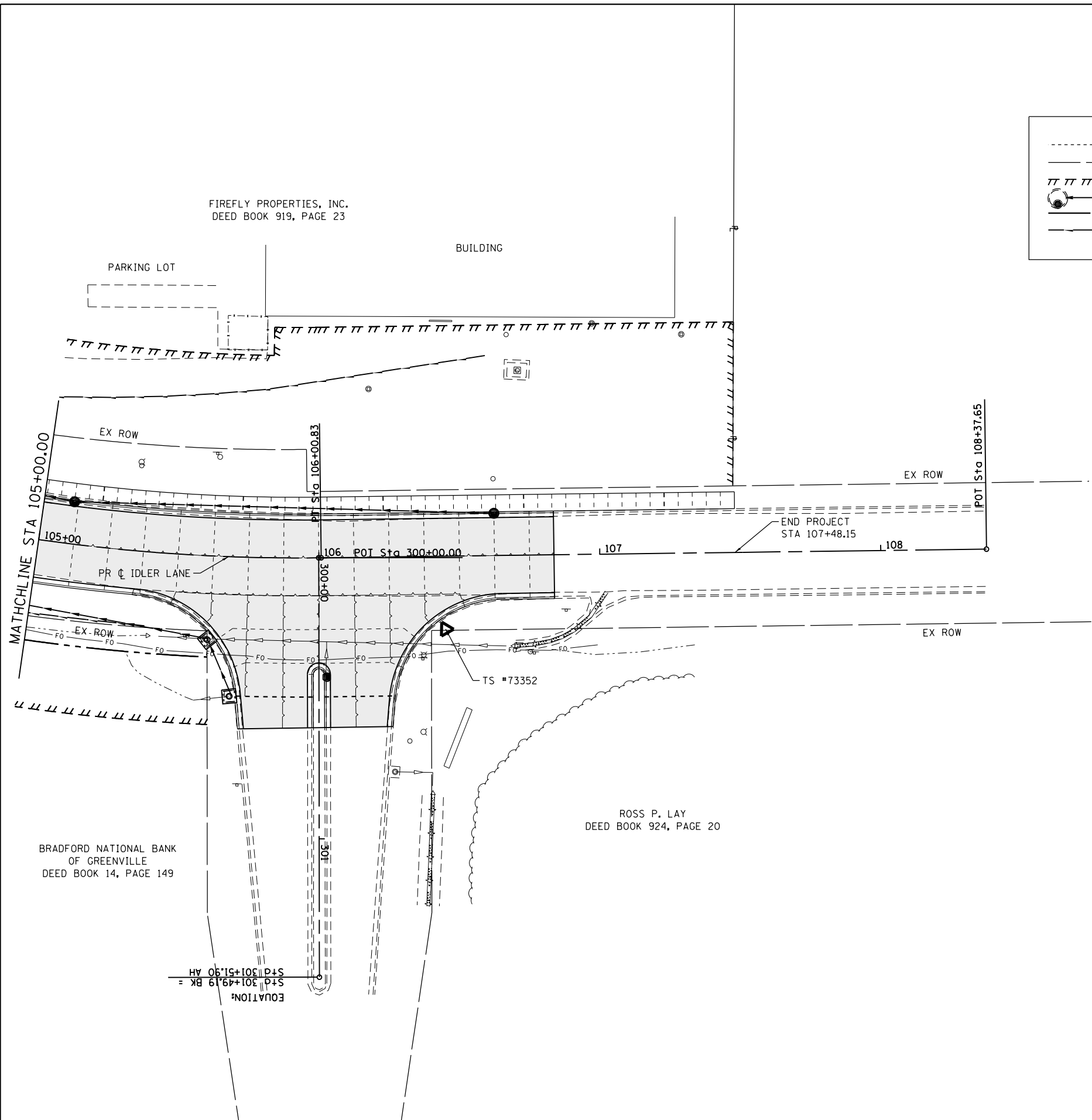
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2**

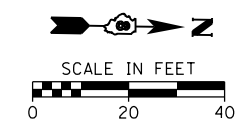
SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 100+00.00 TO STA. 105+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	31
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				



LEGEND

- APPROX LIMITS OF CONSTRUCTION
- EX RIGHT-OF-WAY
- ||||| PR TEMP EASEMENT
- ⊙ PR STORM SEWER
- - - PR RIGHT-OF-WAY
- - - PR DITCH
- ▭ EX PAVEMENT



FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-STAGE2_PAGE2.dgn	DESIGNED -	REVISED -
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	DRAWN -	REVISED -
USER NAME = kschwier.john	CHECKED -	REVISED -
PLOT SCALE = 48.0000' / in.	DATE -	REVISED -
PLOT DATE = 12/27/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2**

SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. 105+00.00 TO STA. 108+37.65

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	32
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

SPEED LIMIT 45

① REM AND REERECT EX SIGN STA 100+30.60, 170.21' LT



③ SIGN PANEL, TY 1, 8.25 SF METAL POST, TY B, 14.0 FT STA 100+58.49, 18.94' LT

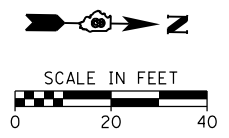
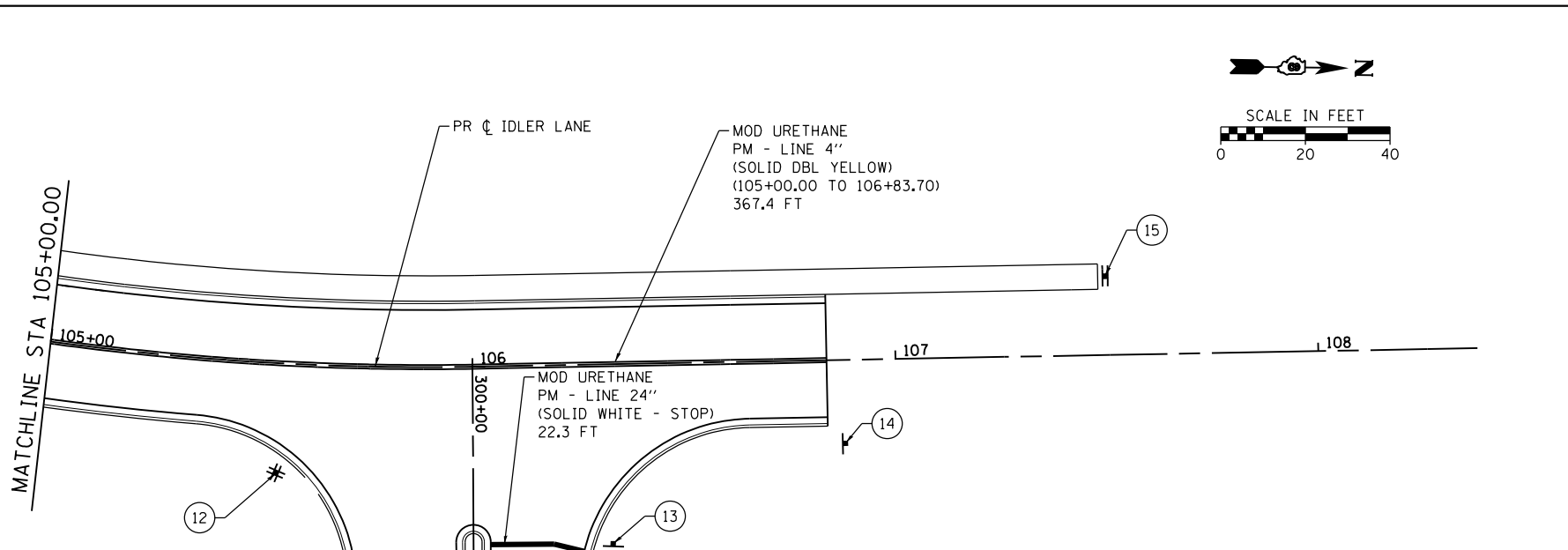
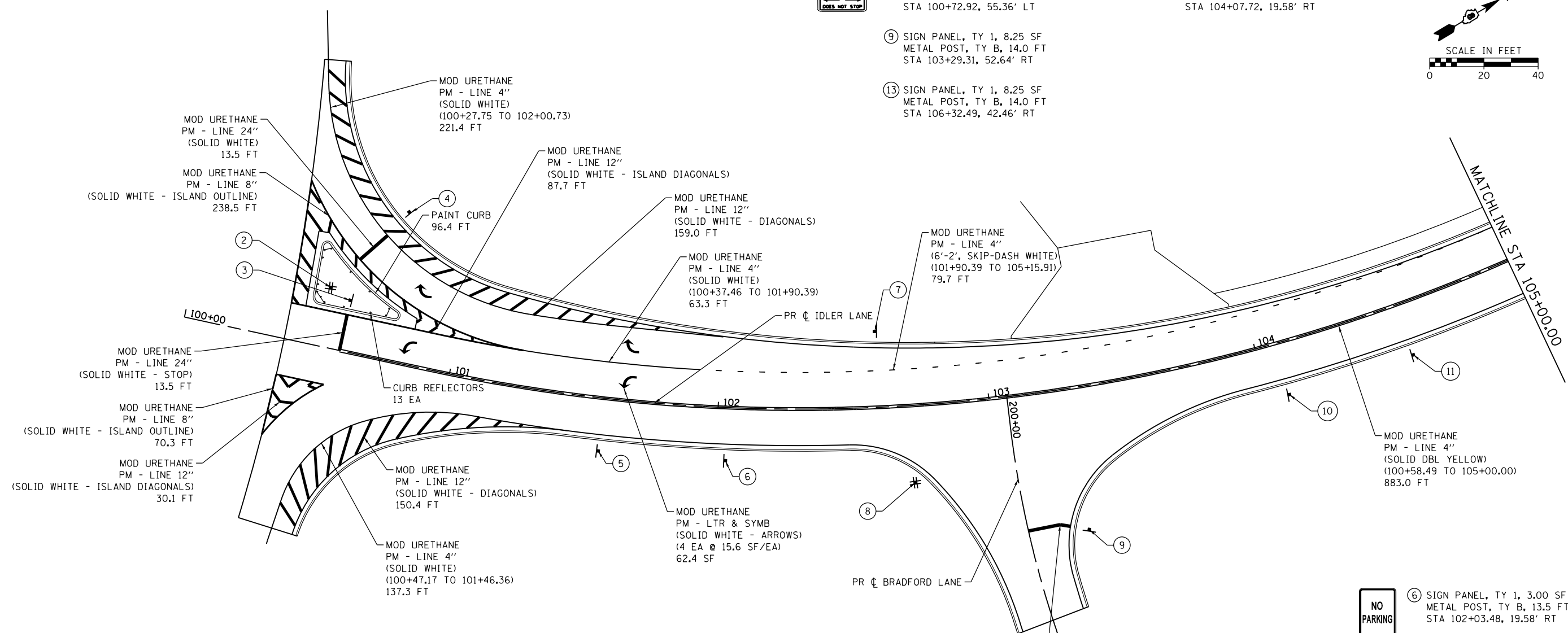
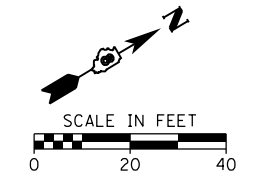
SPEED LIMIT 30

⑤ SIGN PANEL, TY 1, 5.00 SF METAL POST, TY B, 14.0 FT STA 101+57.78, 19.58' RT

⑩ SIGN PANEL, TY 1, 5.00 SF METAL POST, TY B, 14.0 FT STA 104+07.72, 19.58' RT

⑨ SIGN PANEL, TY 1, 8.25 SF METAL POST, TY B, 14.0 FT STA 103+29.31, 52.64' RT

⑬ SIGN PANEL, TY 1, 8.25 SF METAL POST, TY B, 14.0 FT STA 106+32.49, 42.46' RT



⑥ SIGN PANEL, TY 1, 3.00 SF METAL POST, TY B, 13.5 FT STA 102+03.48, 19.58' RT

⑦ SIGN PANEL, TY 1, 3.00 SF METAL POST, TY B, 13.5 FT STA 102+59.09, 28.05' LT

⑪ SIGN PANEL, TY 1, 3.00 SF METAL POST, TY B, 13.5 FT STA 104+54.31, 19.54' RT

② SIGN PANEL, TY 1, 5.63 SF TELESCOPING STEEL SIGN SUPPORT, 12.5 FT STA 100+50.54, 22.03' LT

⑧ SIGN PANEL, TY 1, 5.26 SF TELESCOPING STEEL SIGN SUPPORT, 12.5 FT STA 102+71.05, 28.61' RT

⑫ SIGN PANEL, TY 1, 7.32 SF TELESCOPING STEEL SIGN SUPPORT, 12.5 FT STA 105+54.80, 25.83' RT

E HARRIS AVE LOGO
S IDLER LN LOGO

BRADFORD LN LOGO
S IDLER LN LOGO

SAMUEL W ANDREWS DR LOGO
S IDLER LN LOGO



⑭ SIGN PANEL, TY 1, 9.00 SF METAL POST, TY B, 15.5 FT STA 106+87.82, 19.75' RT



⑮ SIGN PANEL, TY 1, 6.00 SF TELESCOPING STEEL SIGN SUPPORT, 15.0 FT STA 107+49.91, 18.63' LT

FILE NAME = H:\7335_Greenville\IdlerLane\CADD_Sheets\7335-SHT-PMK_IDLER.dgn	DESIGNED -	REVISED -
USER NAME = kschwier_john	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/27/2017	DATE -	REVISED -

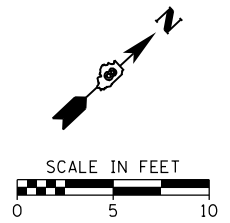
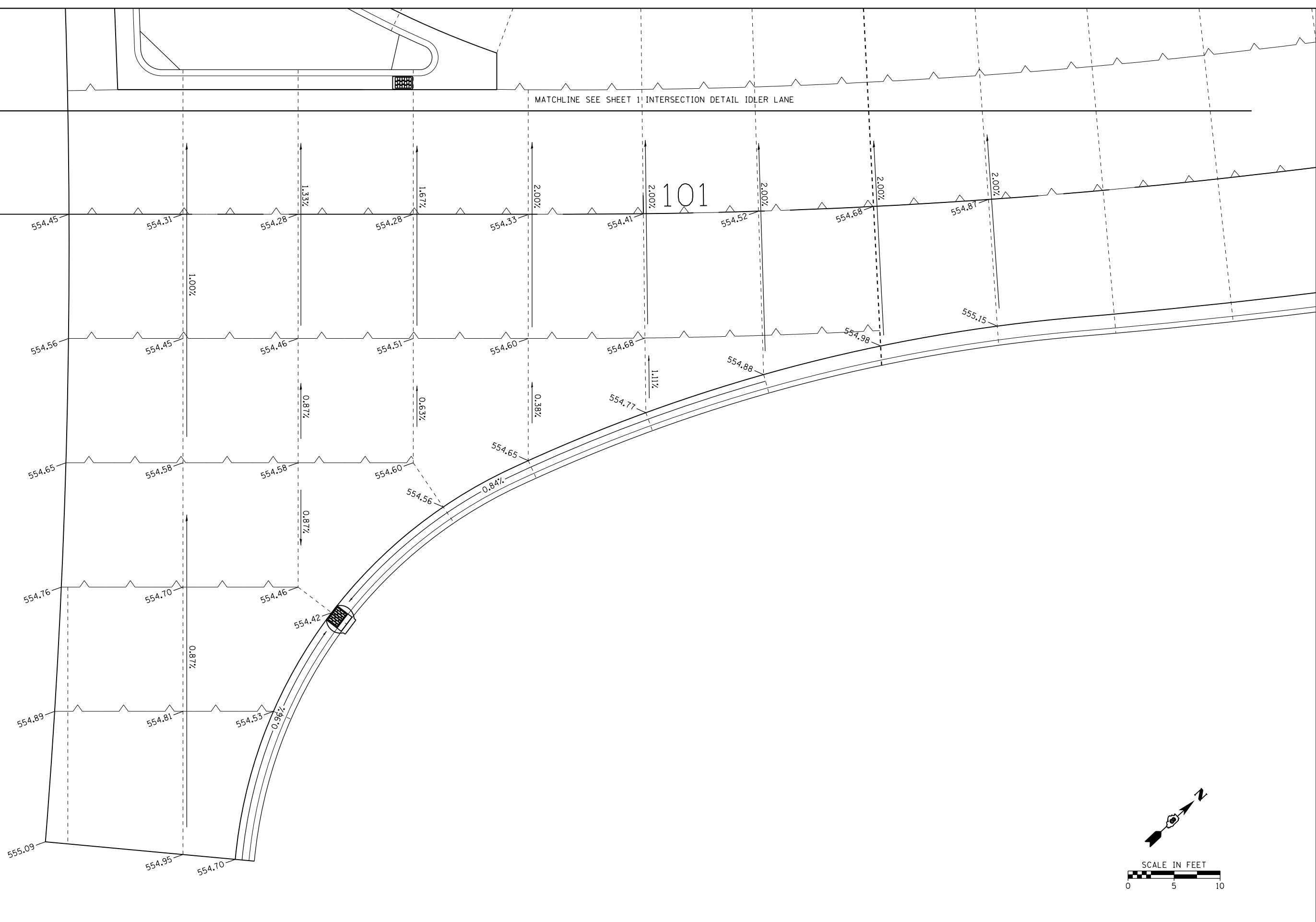
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNS
IDLER LANE & BRADFORD LANE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	33
CONTRACT NO. 97665				

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



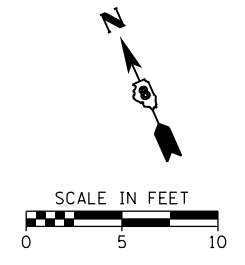
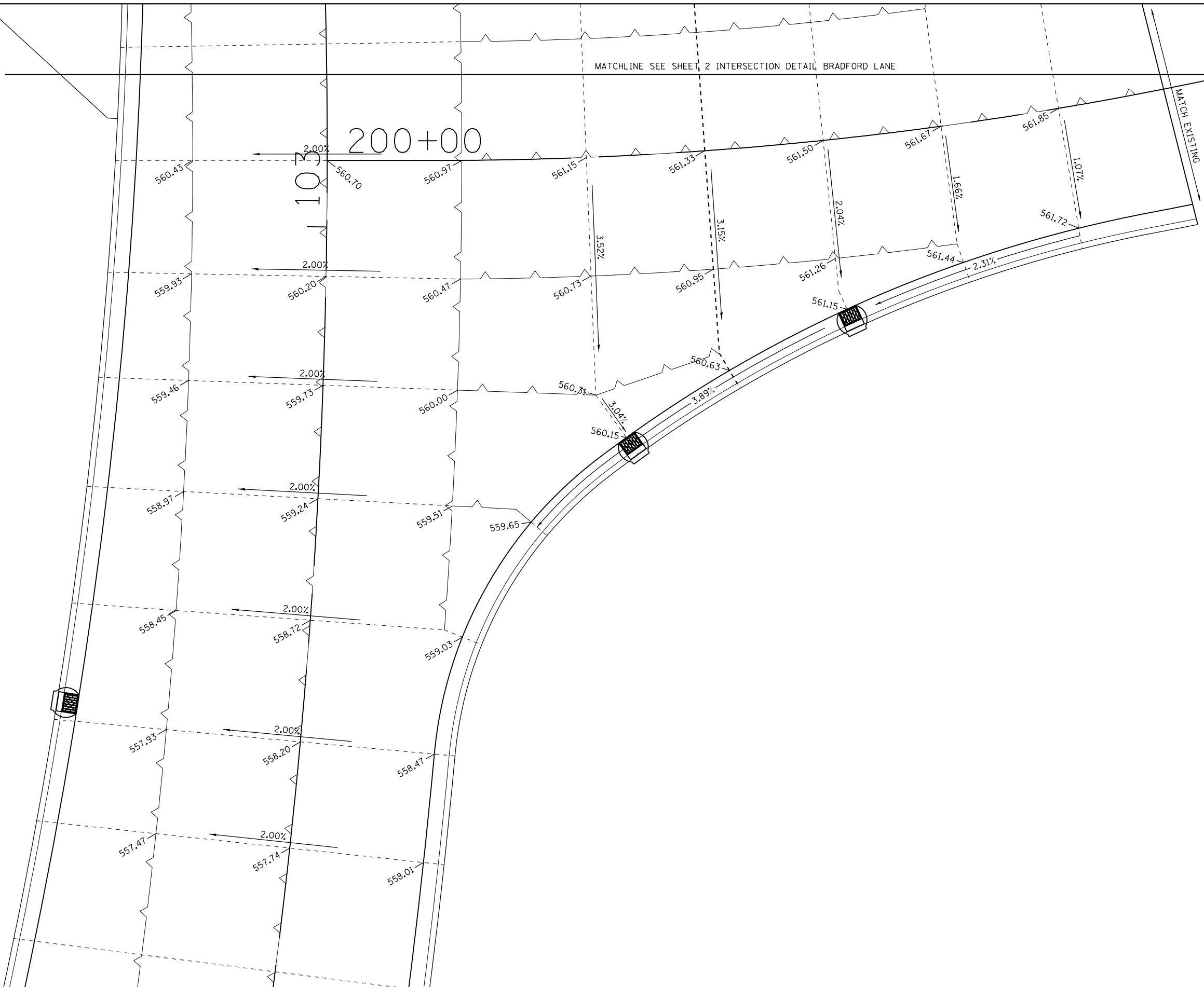
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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier_john	DRAWN -		REVISED -	SCALE: 1" = 5'	SHEET 2 OF 5 SHEETS	CONTRACT NO. 97665		ILLINOIS FED. AID PROJECT		
	PLOT SCALE = 10.0000' / in.	CHECKED -		REVISED -	STA.	TO STA.					
	PLOT DATE = 12/27/2017	DATE -		REVISED -							

201

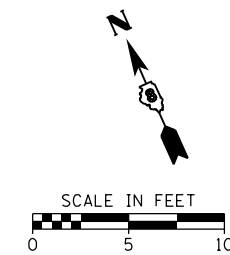
MATCHLINE SEE SHEET 2 INTERSECTION DETAIL BRADFORD LANE

MATCH EXISTING

200+00



HMG Engineers • Surveyors 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier.john PLOT SCALE = 10.0000' / in. PLOT DATE = 12/27/2017	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAILS BRADFORD LANE	F.A.U. RTE. = 9836 SECTION = 17-00042-01-WR COUNTY = BOND TOTAL SHEETS = 64 SHEET NO. = 36 CONTRACT NO. 97665	ILLINOIS FED. AID PROJECT
	FILE NAME = H:\7335_Greenville\dlr\lane\CADD_Sheets\7335-SHT-INTERSECT\DL.BRAD.L.dgn	SCALE: 1" = 5' SHEET 3 OF 5 SHEETS STA. TO STA.					



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 USER NAME = kschwierjohn
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 12/27/2017

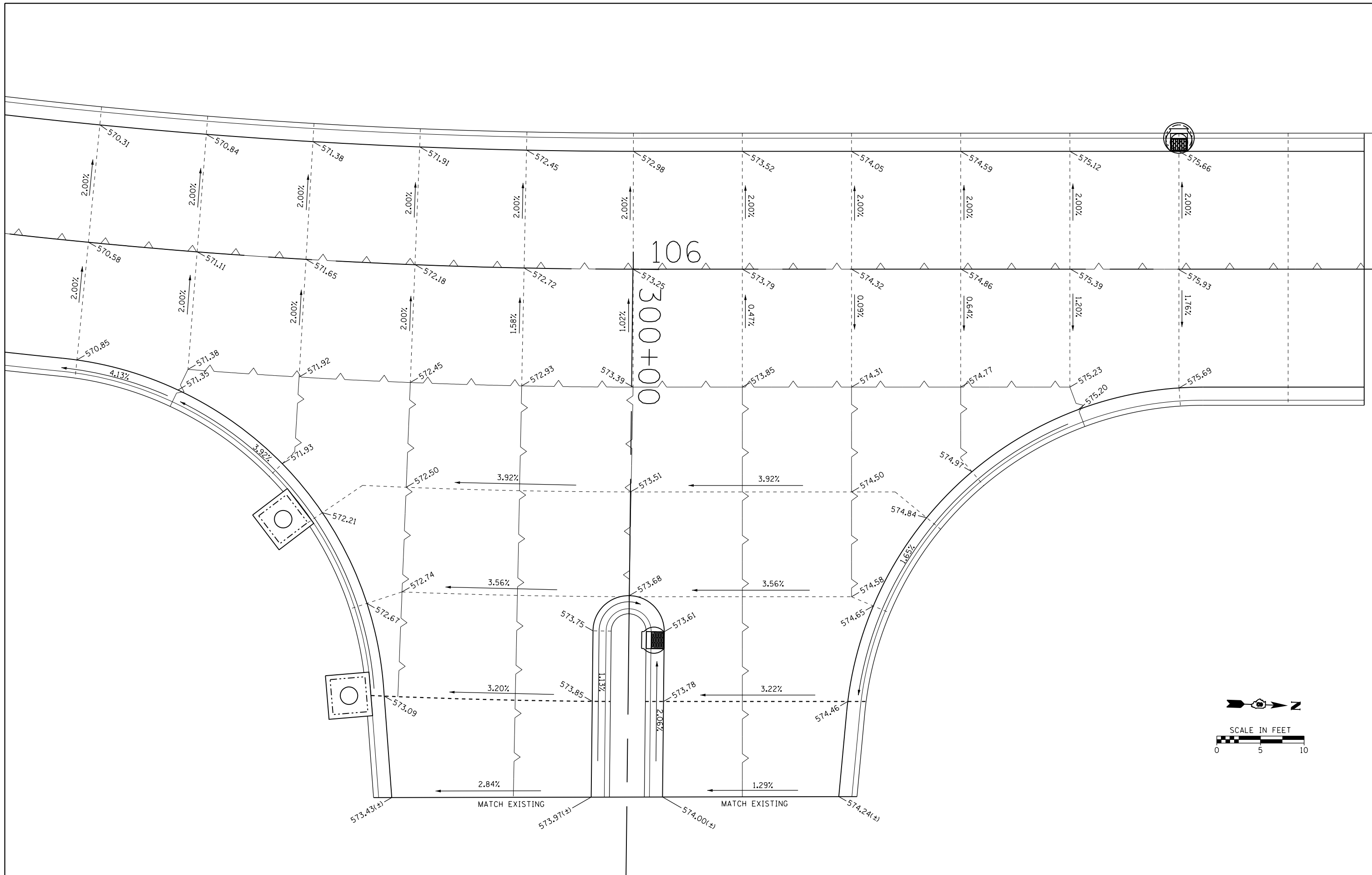
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
 BRADFORD LANE**
 SCALE: 1" = 5' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	37
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				



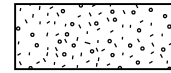
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USER NAME = kschwier_john	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/27/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
SAMUEL W ANDREWS DRIVE**

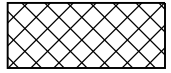
SCALE: 1" = 5' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	38
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				



FINAL BACKFILL - 1
 LOCATION - EDGE OF TRENCH LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
 PIPE MATERIAL - RIGID, FLEXIBLE
 BACKFILL MATERIAL - AGGREGATE
 PAYMENT - PAID FOR AS TRENCH BACKFILL

FINAL BACKFILL - 2
 LOCATION - EDGE OF TRENCH NOT LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
 PIPE MATERIAL - RIGID, FLEXIBLE
 BACKFILL MATERIAL - SUITABLE EXCAVATED MATERIAL, EARTH
 PAYMENT - INCIDENTAL TO THE COST OF PIPE



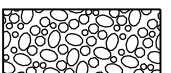
INITIAL BACKFILL - 1
 LOCATION - EDGE OF TRENCH LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
 PIPE MATERIAL - RIGID, FLEXIBLE
 BACKFILL MATERIAL - AGGREGATE
 PAYMENT - PAID FOR AS TRENCH BACKFILL

INITIAL BACKFILL - 2A
 LOCATION - EDGE OF TRENCH NOT LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
 PIPE MATERIAL - RIGID
 BACKFILL MATERIAL - SUITABLE EXCAVATED MATERIAL, EARTH
 PAYMENT - INCIDENTAL TO THE COST OF PIPE

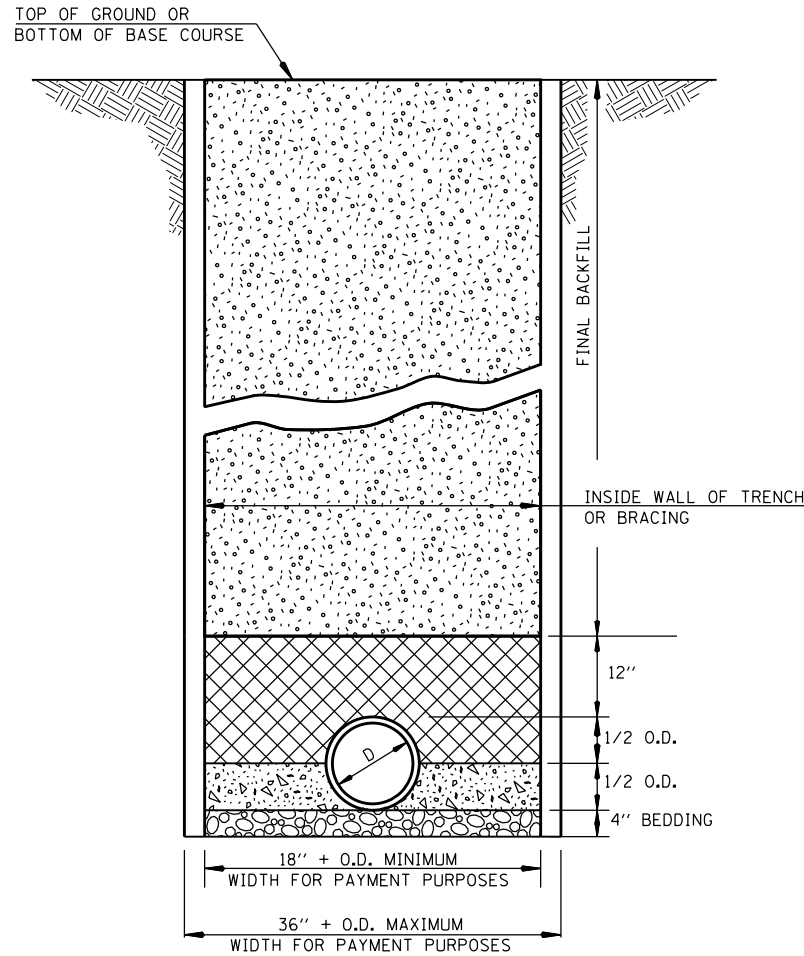
INITIAL BACKFILL - 2B
 LOCATION - EDGE OF TRENCH NOT LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
 PIPE MATERIAL - FLEXIBLE
 BACKFILL MATERIAL - AGGREGATE
 PAYMENT - INCIDENTAL TO THE COST OF PIPE



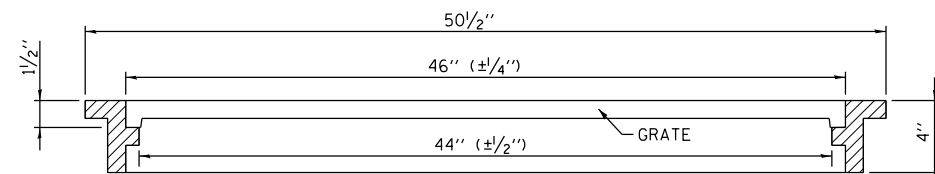
HAUNCHING
 LOCATION - ALL
 PIPE MATERIAL - RIGID, FLEXIBLE
 BACKFILL MATERIAL - AGGREGATE
 PAYMENT - INCIDENTAL TO THE COST OF PIPE



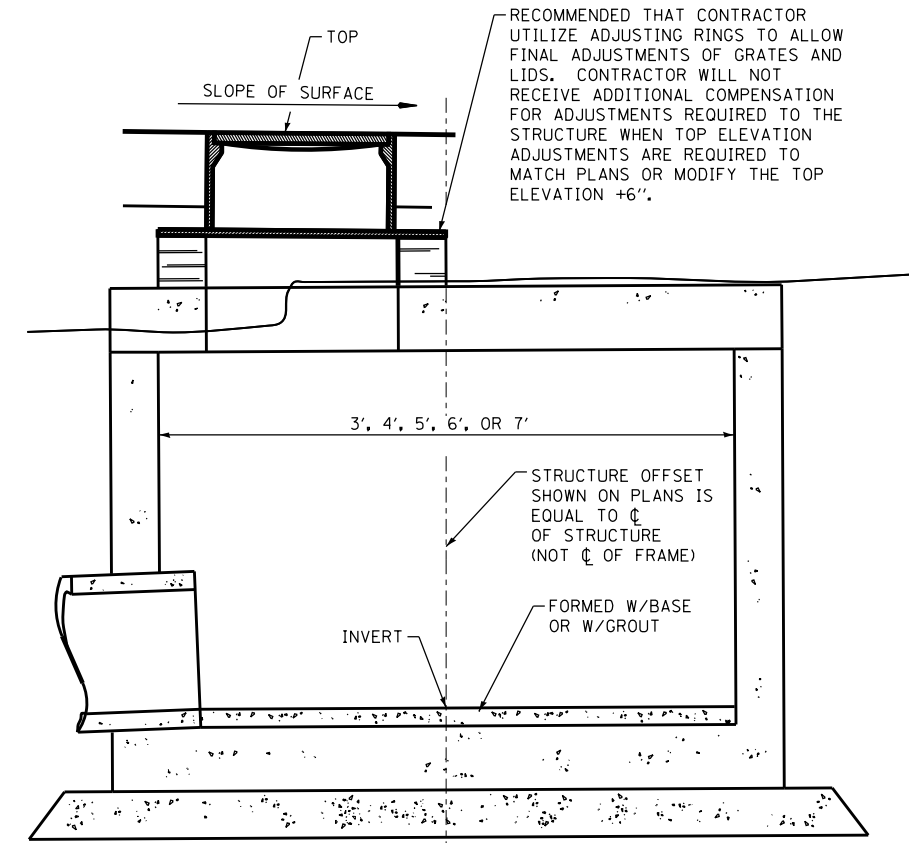
BEDDING
 LOCATION - ALL
 PIPE MATERIAL - RIGID, FLEXIBLE
 BACKFILL MATERIAL - AGGREGATE
 PAYMENT - INCIDENTAL TO THE COST OF PIPE



PIPE CULVERT/STORM SEWER TRENCHING AND BACKFILL DETAIL

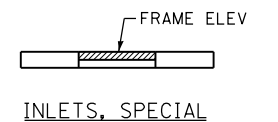
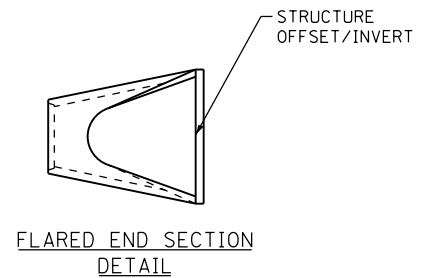
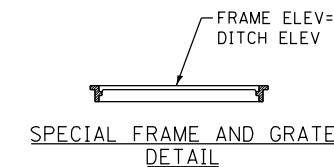
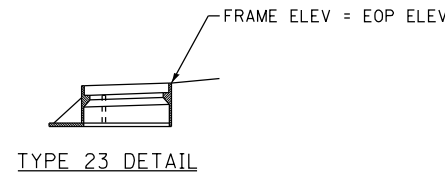
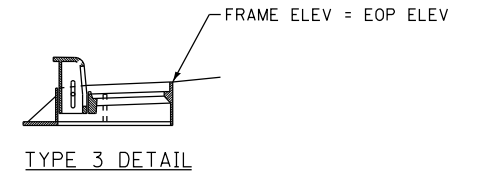
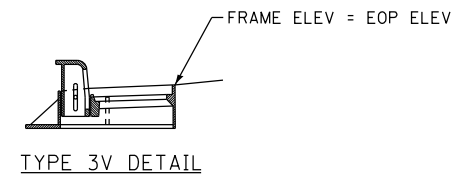


SPECIAL FRAME AND GRATE (NOT TO SCALE)



RESTRICTED DEPTH INLET/MANHOLE DETAILS

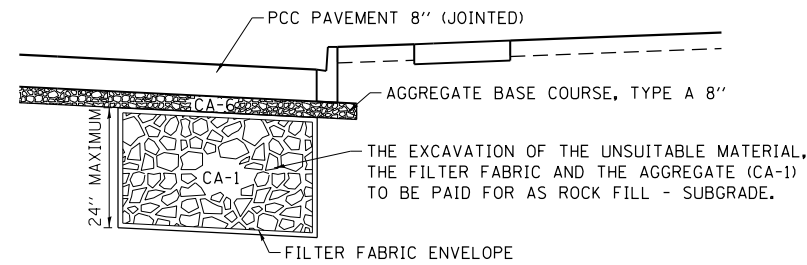
(SEE ALSO APPLICABLE SECTIONS OF SECTION 602 OF THE STANDARD SPECIFICATIONS)



FRAME/INVERT ELEVATIONS ON ASSOCIATED DRAINAGE ITEMS (NOT TO SCALE)

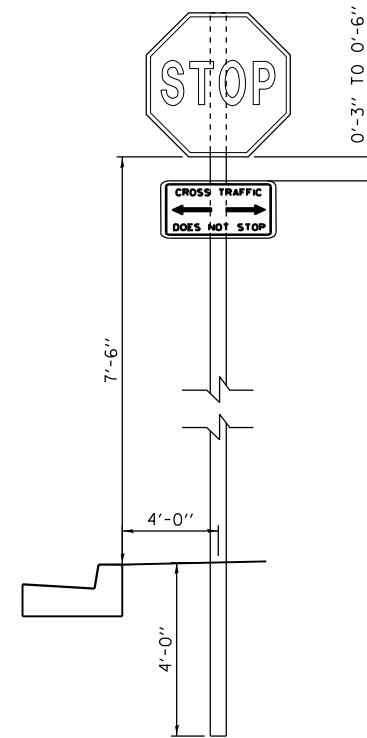
FILE NAME = H:\7335_Greenville\dlr\one\CADD_Sheets\7335-SHT-DETAILS.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS		F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwier_john	REVISED -				9836	17-00042-01-WR	BOND	64	39
PLOT SCALE = 48.0000 "/in.	CHECKED -	REVISED -		CONTRACT NO. 97665						
PLOT DATE = 3/16/2018	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.



DETAIL NOTES: THIS DETAIL IS APPLICABLE TO ANY AREA OF UNSUITABLE/UNSTABLE MATERIAL THAT REQUIRES REMOVAL AND REPLACEMENT DUE TO THE CONSTRUCTION OF A PERMANENT SURFACE (i.e. ROADWAY, SIDEWALK, ENTRANCE), HOWEVER, IT MAY BE USED OUTSIDE THESE AREAS IF DEEMED APPLICABLE BY THE ENGINEER.

ROCK FILL - SUBGRADE
(NOT TO SCALE)

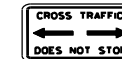


WITHOUT SIDEWALK

TYPICAL SIGN INSTALLATION DETAIL
(NOT TO SCALE)



R1-1
30X30



W4-1100
24X12



R2-1
24X30



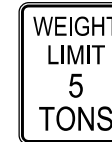
R8-3a
18X24



STREET
9X48



R5-2
24X24



R12-1
24X30



SPECIALTY
18X24



STREET
9X42



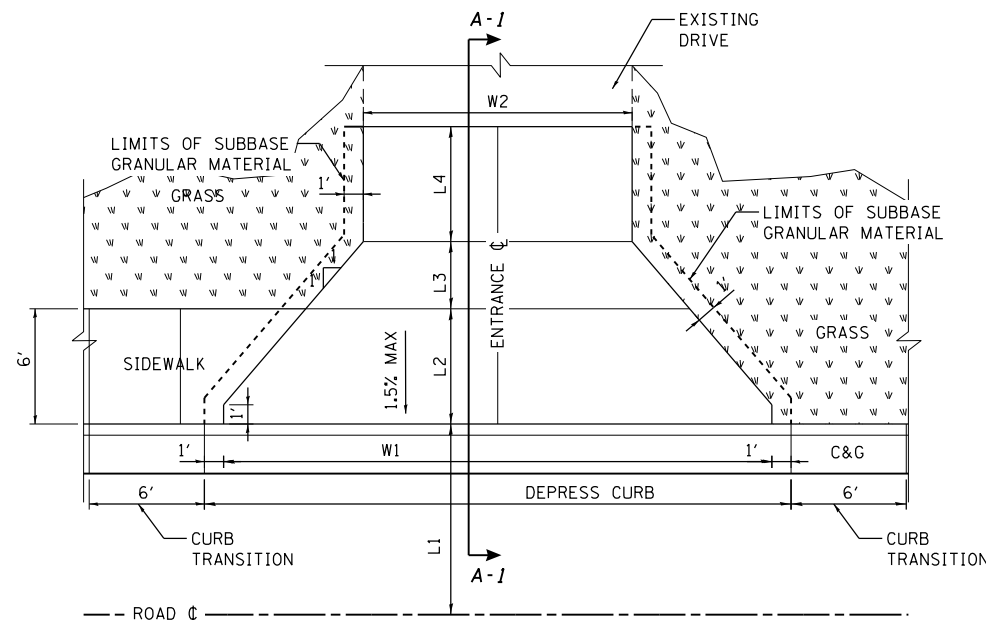
STREET
9X42



STREET
9X75

REGULATORY, WARNING, STREET AND SPECIALTY SIGNS

SIGN DIMENSIONS AS ESTIMATED FOR QUANTITIES.
 ACTUAL DIMENSIONS BASED ON MANUFACTURER.

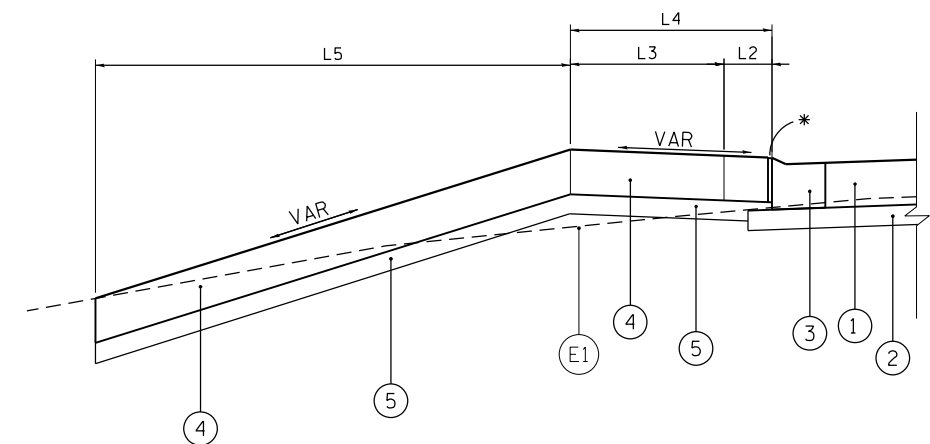


ENTRANCE PLAN DETAIL

SHOWING ENTRANCE WITH AND WITHOUT SIDEWALK
(NOT TO SCALE)

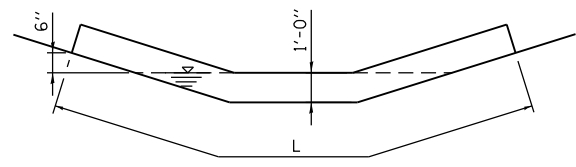
SECTION LEGEND

- (E1) EXISTING GROUND SURFACE
 - (1) PCC PAVEMENT, 8" (JOINTED)
 - (2) AGG BASE COURSE, TYPE A 8"
 - (3) COMB CONC C&G, TYPE B-6.18
 - (4) PCC DRIVEWAY PAVEMENT, 8"
 - (5) SUBBASE GRAN MATL, TY A 4"
- 1" EXPANSION JOINT PER STANDARD SPECS

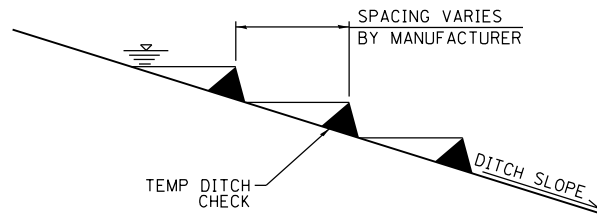


SECTION A-1 - A-1

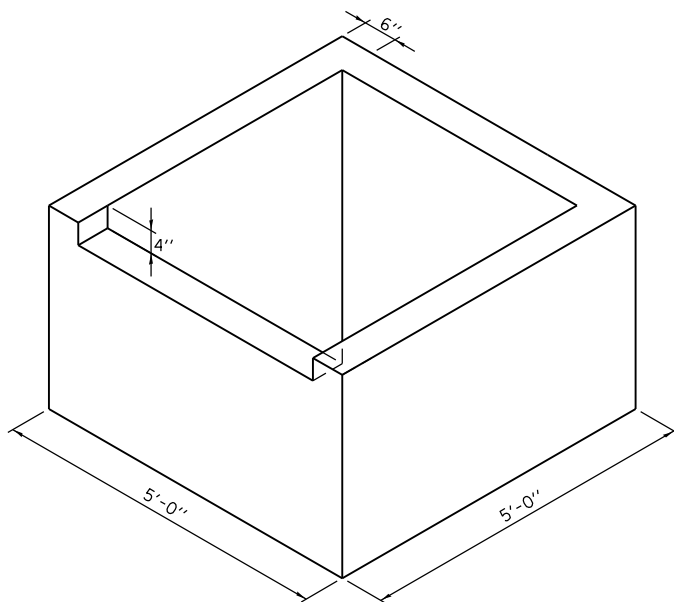
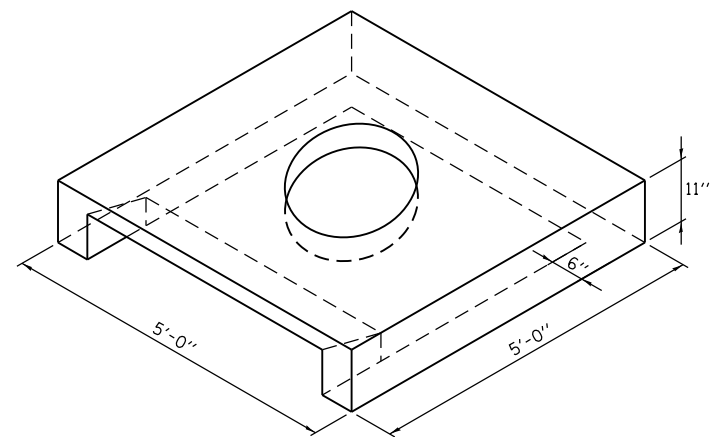
COMMERCIAL ENTRANCE
 PORTLAND CEMENT CONCRETE
(NOT TO SCALE)



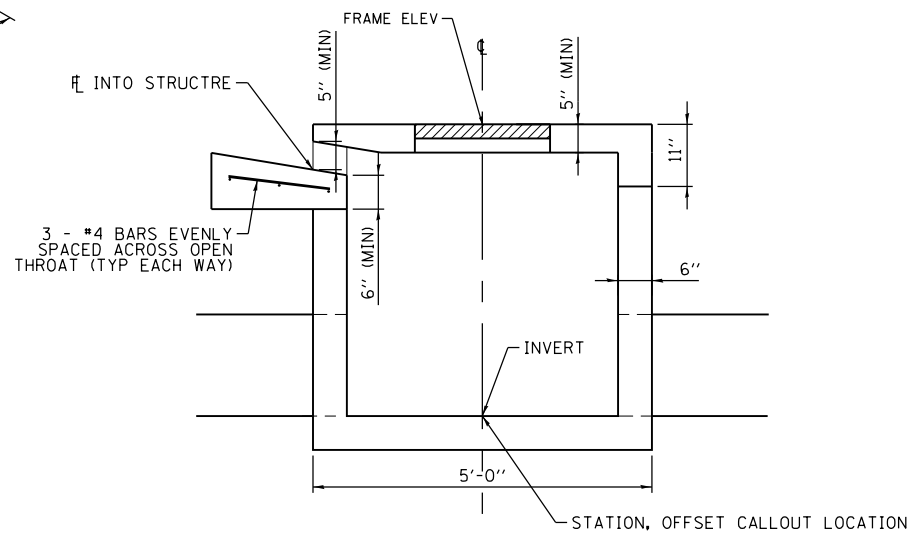
TYPICAL TEMPORARY DITCH CHECK SECTION
(NOT TO SCALE)



TYPICAL DITCH CHECK PROFILE
(NOT TO SCALE)



INLETS, SPECIAL



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HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = kschwier.john
 PLOT SCALE = 48.0000 "/>

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

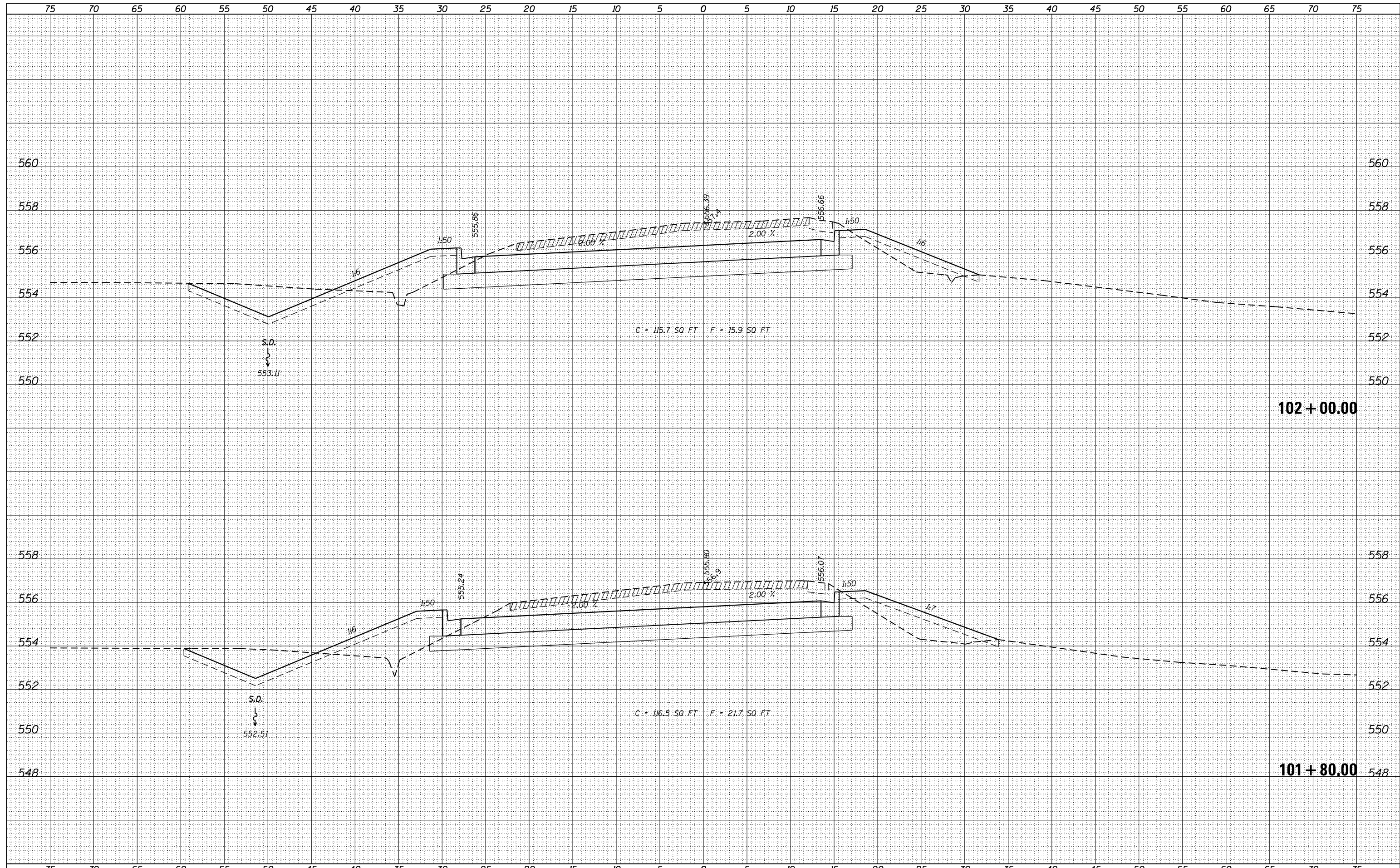
CONSTRUCTION DETAILS

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	41
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 12/27/2017

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

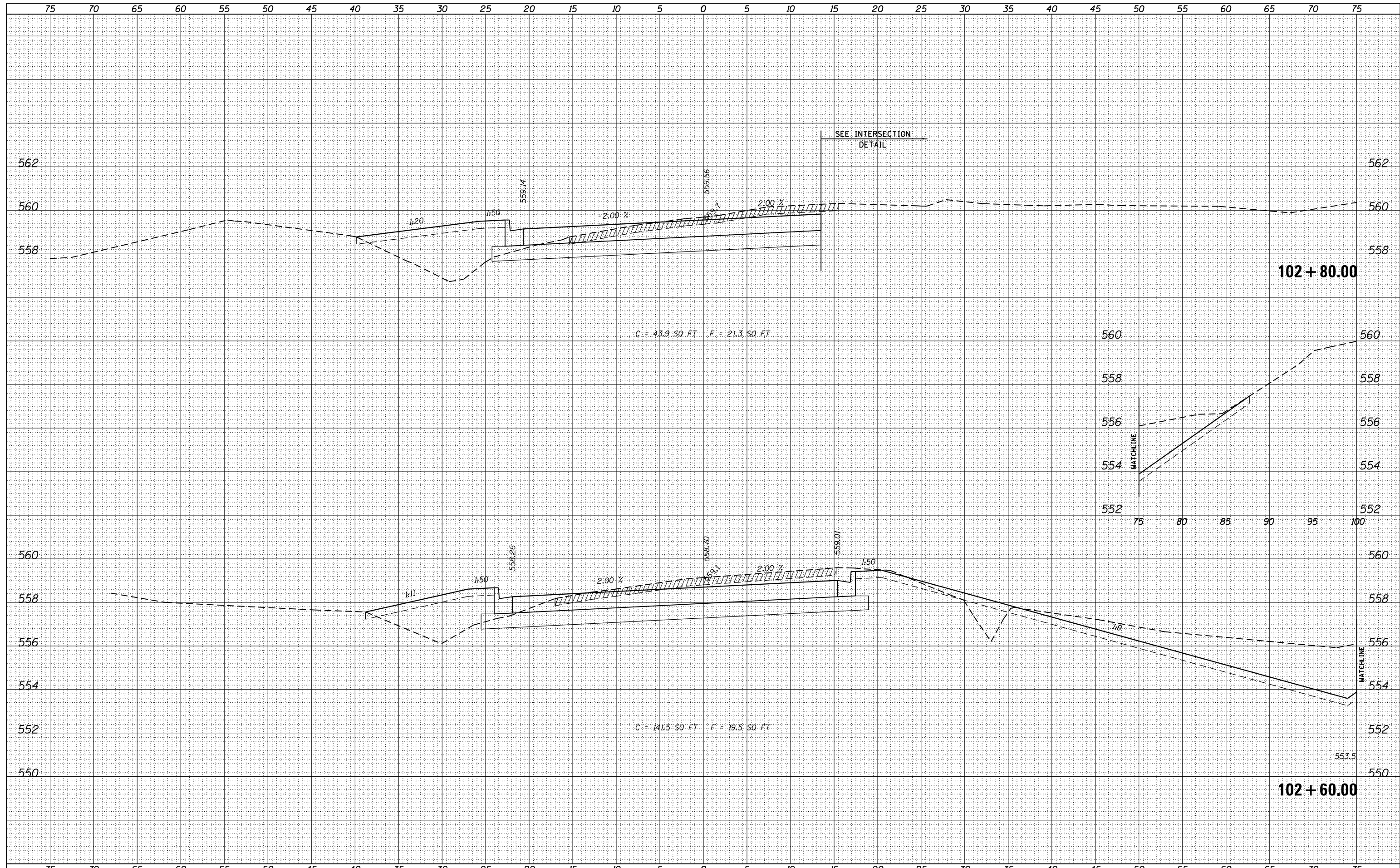
**CROSS SECTIONS
 IDLER LANE**

SCALE: SHEET 4 OF 23 SHEETS STA. 101+80.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	45
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

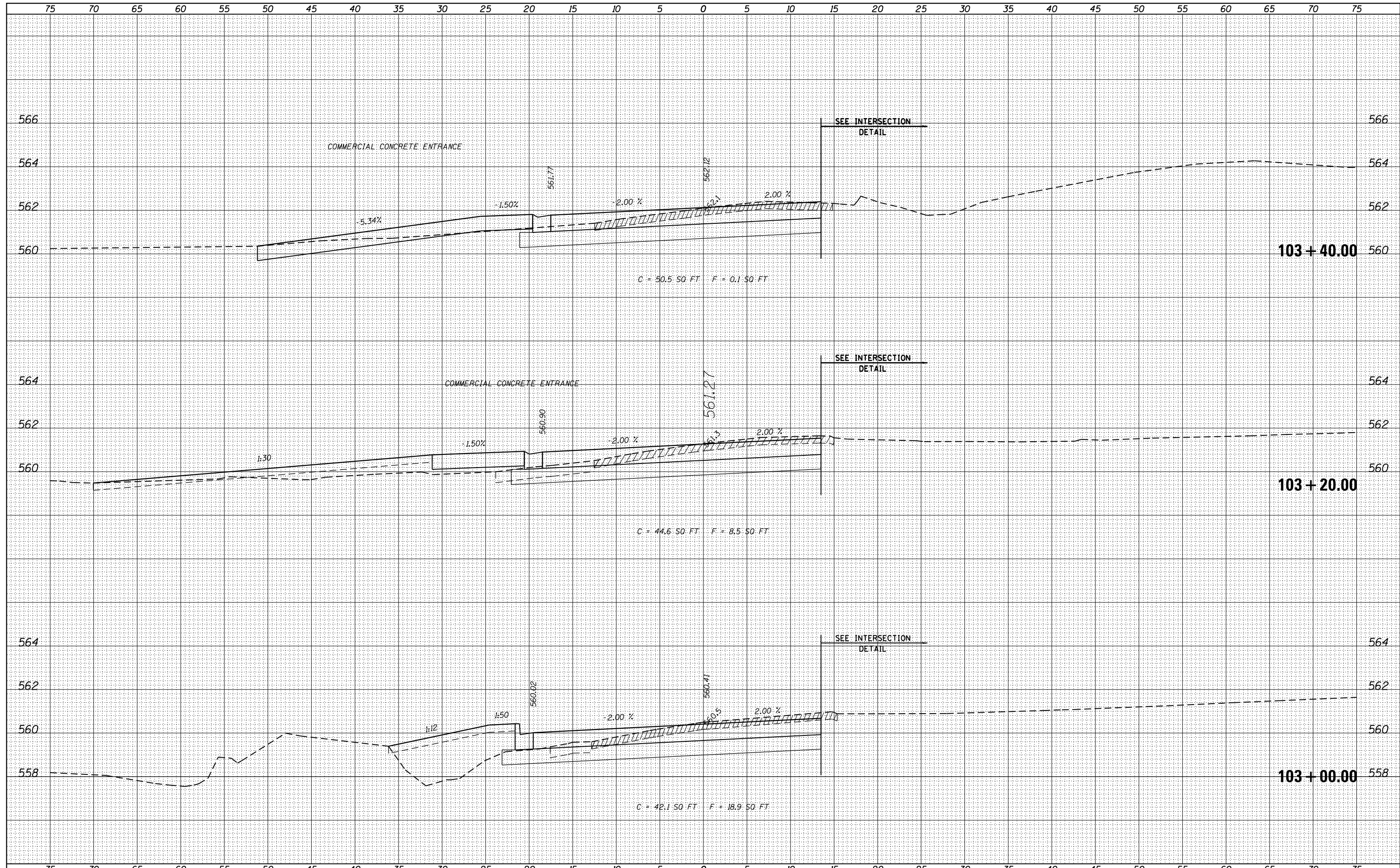
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IDLER LANE
 SCALE: SHEET 6 OF 23 SHEETS STA. 102+60.00 TO STA. 102+80.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	47
				CONTRACT NO. 97665
ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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NO.	



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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = kschwler.john
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 12/27/2017

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IDLER LANE

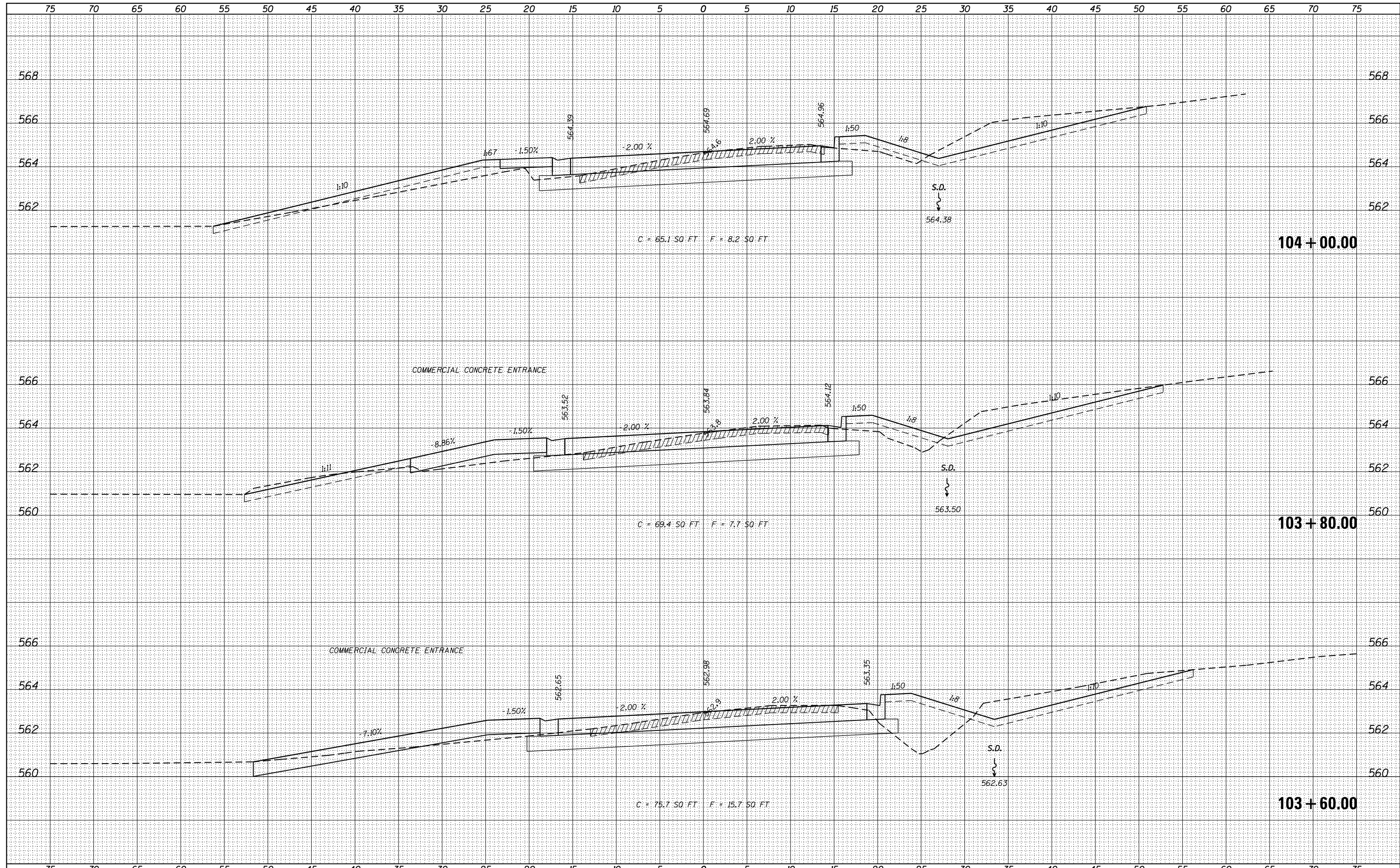
SCALE: SHEET 7 OF 23 SHEETS STA. 103+00.00 TO STA. 103+40.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	48
				CONTRACT NO. 97665

ILLINOIS FED. AID PROJECT

DATE	
BY	
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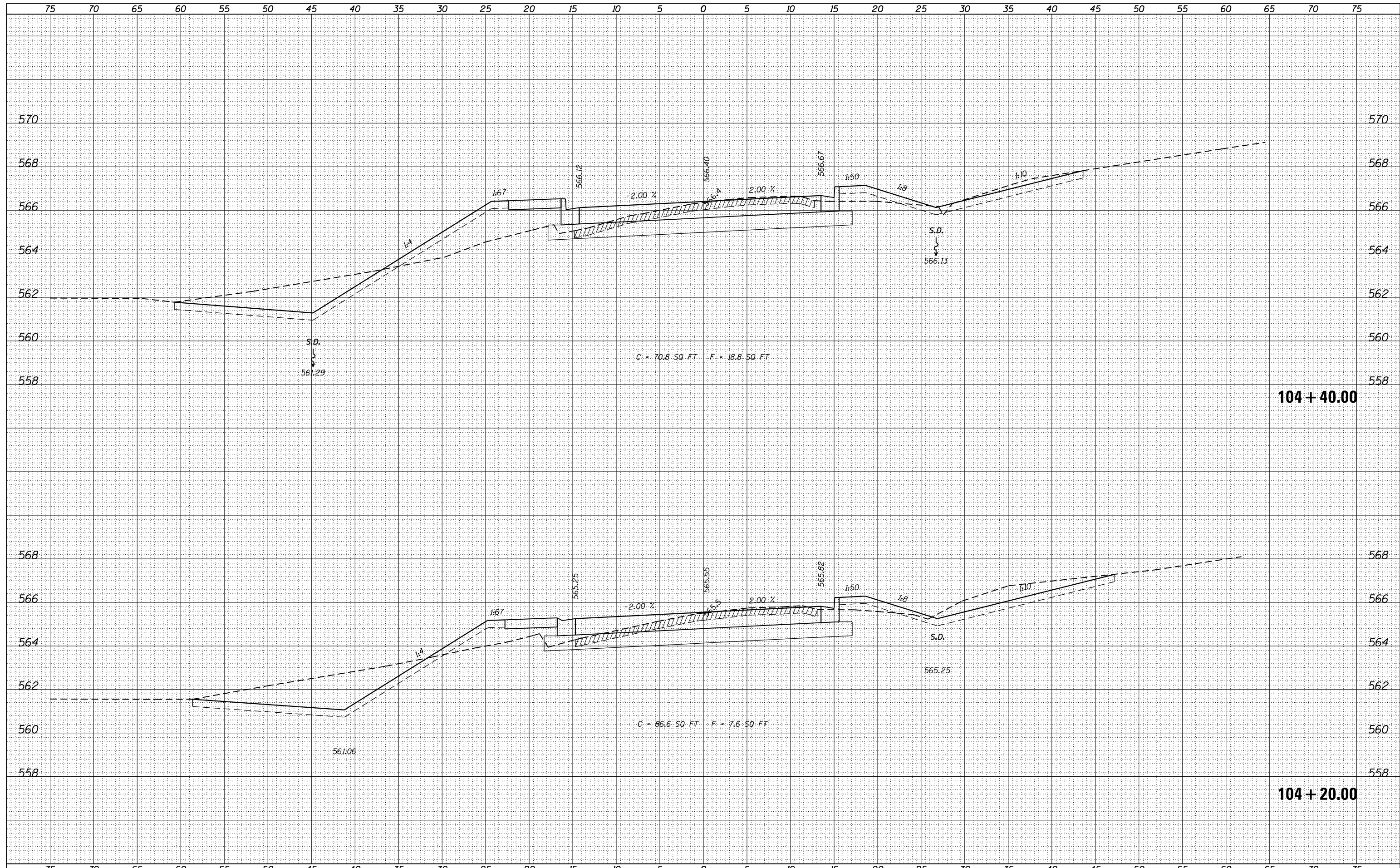
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BY	
ORIGINAL SURVEY	
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PLOTTED	
TEMPLATE	
AREAS	
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FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn	DESIGNED -	REVISÉ -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.U. RTÉ. 9836	SECTION 17-00042-01-WR	COUNTY BOND	TOTAL SHEETS 64	SHEET NO. 49						
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwler.john	REVISÉ -		IDLER LANE												
	PLOT SCALE = 10.0000' / 1"	REVISÉ -		SCALE:	SHEET 8 OF 23 SHEETS						STA. 103+60.00 TO STA. 104+00.00	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/27/2017	REVISÉ -														

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
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NOTE BOOK	
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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 12/27/2017

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

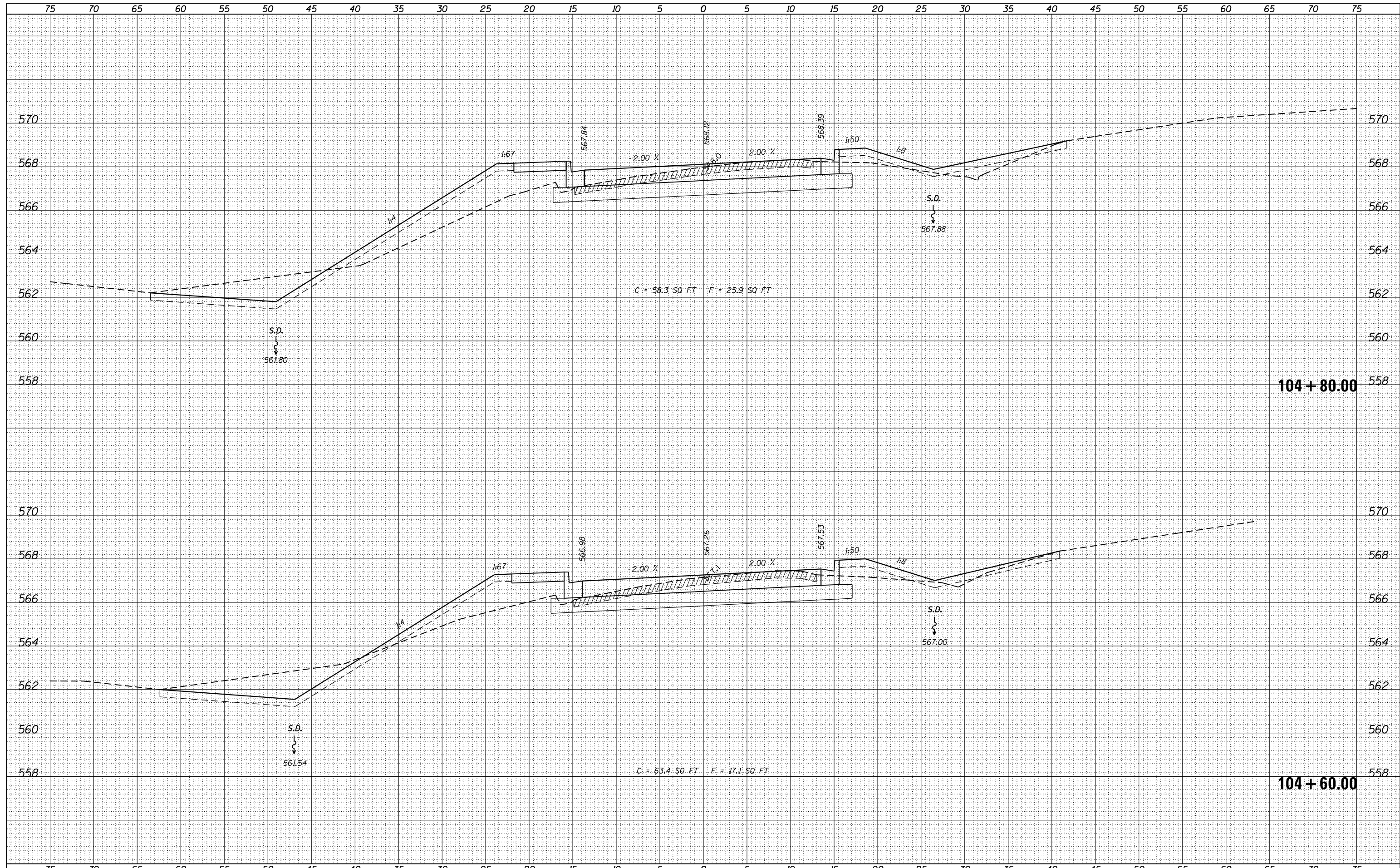
**CROSS SECTIONS
 IDLER LANE**

SCALE: SHEET 9 OF 23 SHEETS STA. 104+20.00 TO STA. 104+40.00

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	50
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 12/27/2017

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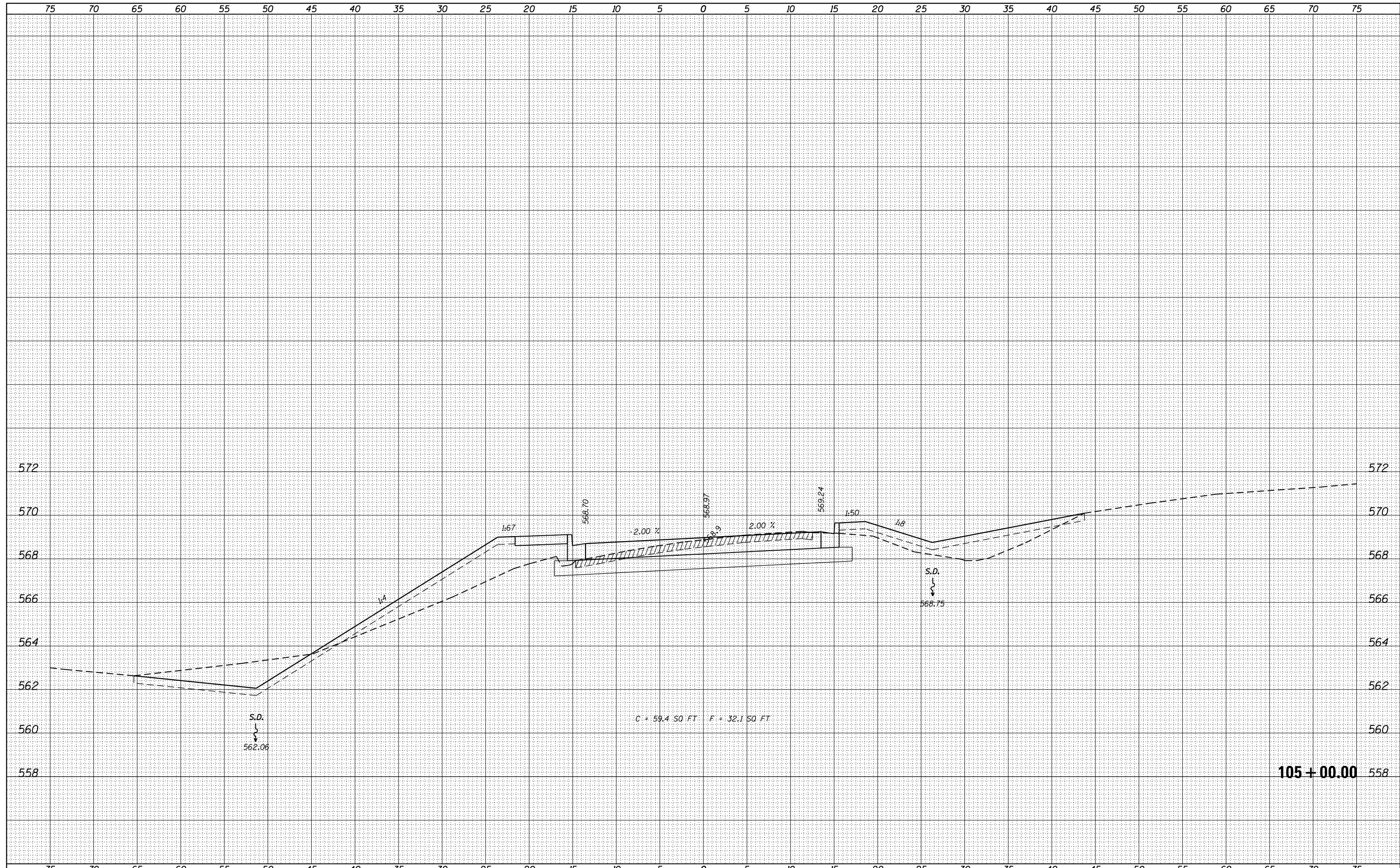
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IDLER LANE
 SCALE: SHEET 10 OF 23 SHEETS STA. 104+60.00 TO STA. 104+80.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	51
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

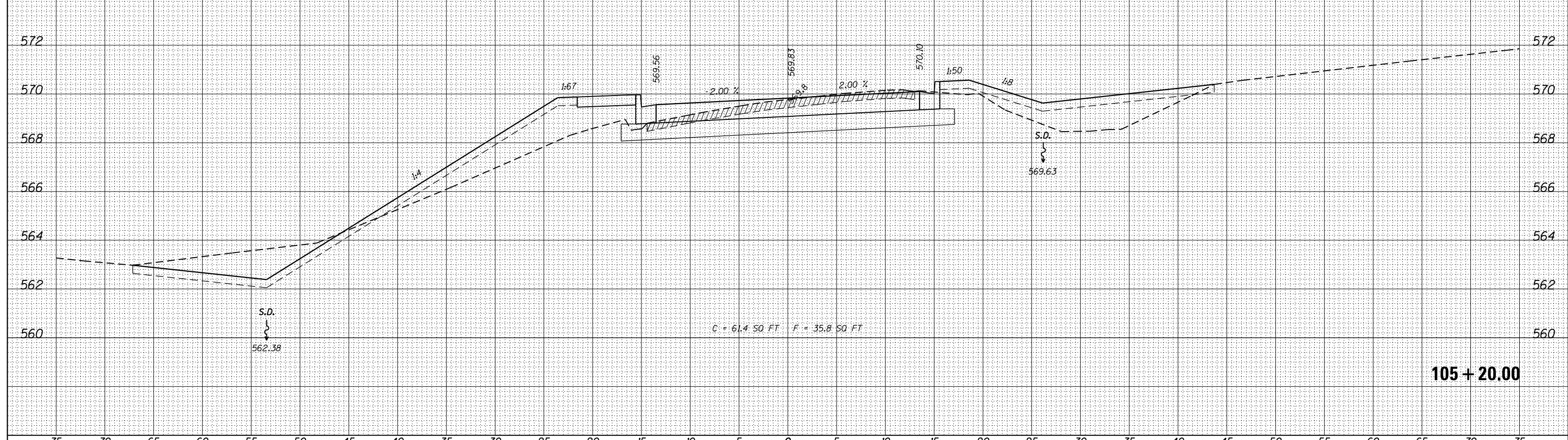
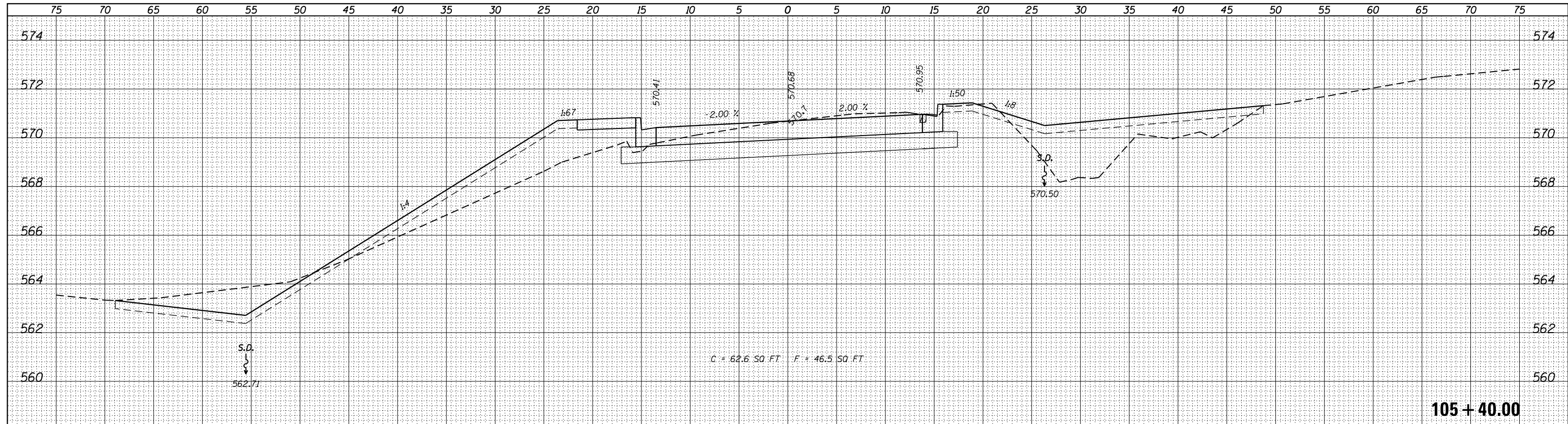
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwler.john	REVISÉ -					9836	17-00042-01-WR	BOND	64	52
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISÉ -		CONTRACT NO. 97665			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/27/2017	DATE -	REVISÉ -		SCALE:	SHEET 11	OF 23 SHEETS	STA. 105+00.00	TO STA. 105+00.00			

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
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AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME = H:\7335_Greenville\idlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn

HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
(618) 526-9611

USER NAME = kschwler.john
PLOT SCALE = 10.0000' / in.
PLOT DATE = 12/27/2017

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IDLER LANE**

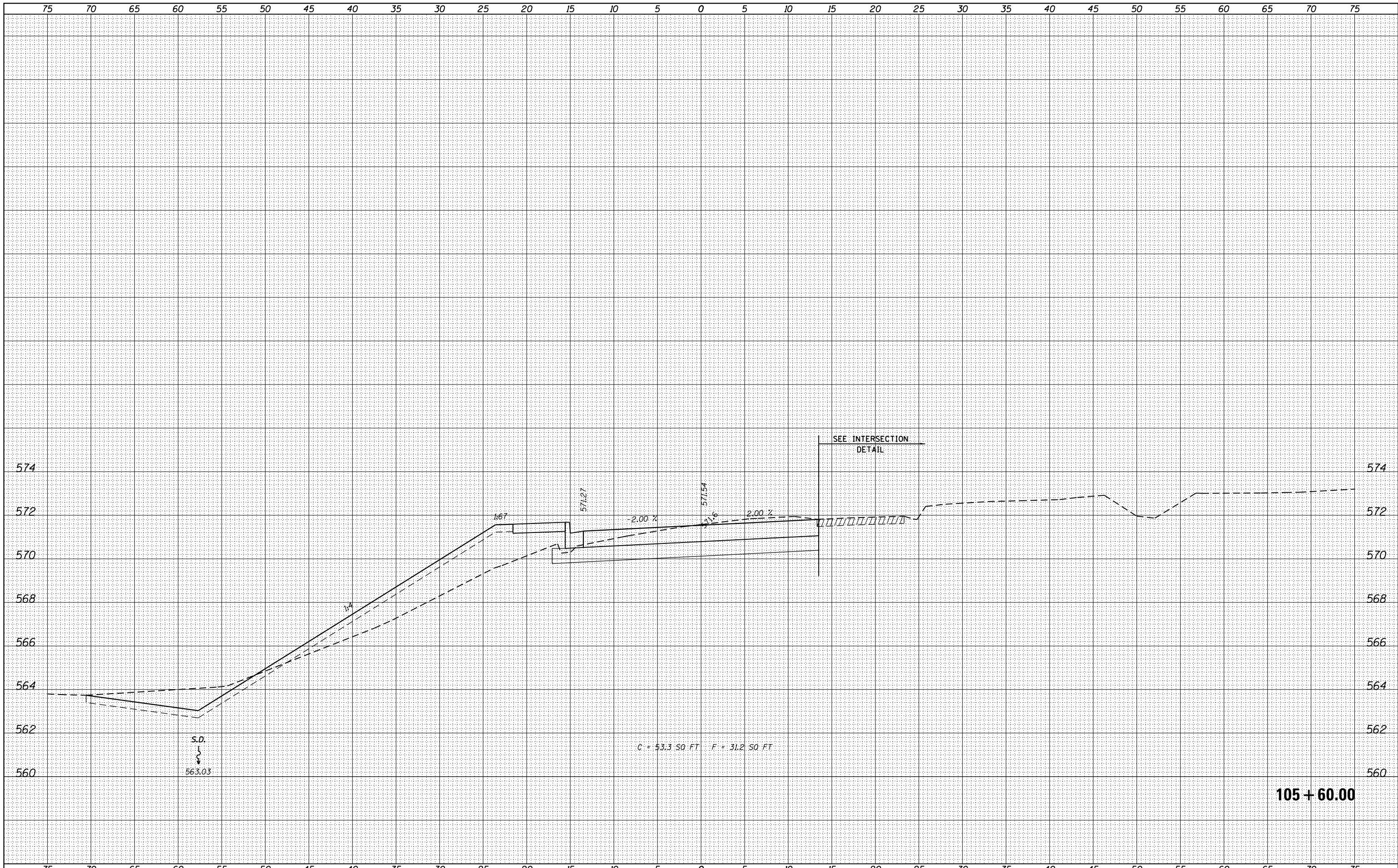
SCALE: SHEET 12 OF 23 SHEETS STA. 105+20.00 TO STA. 105+40.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	53
CONTRACT NO. 97665				

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME = H:\7335_Greenville\IdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn
HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 12/27/2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

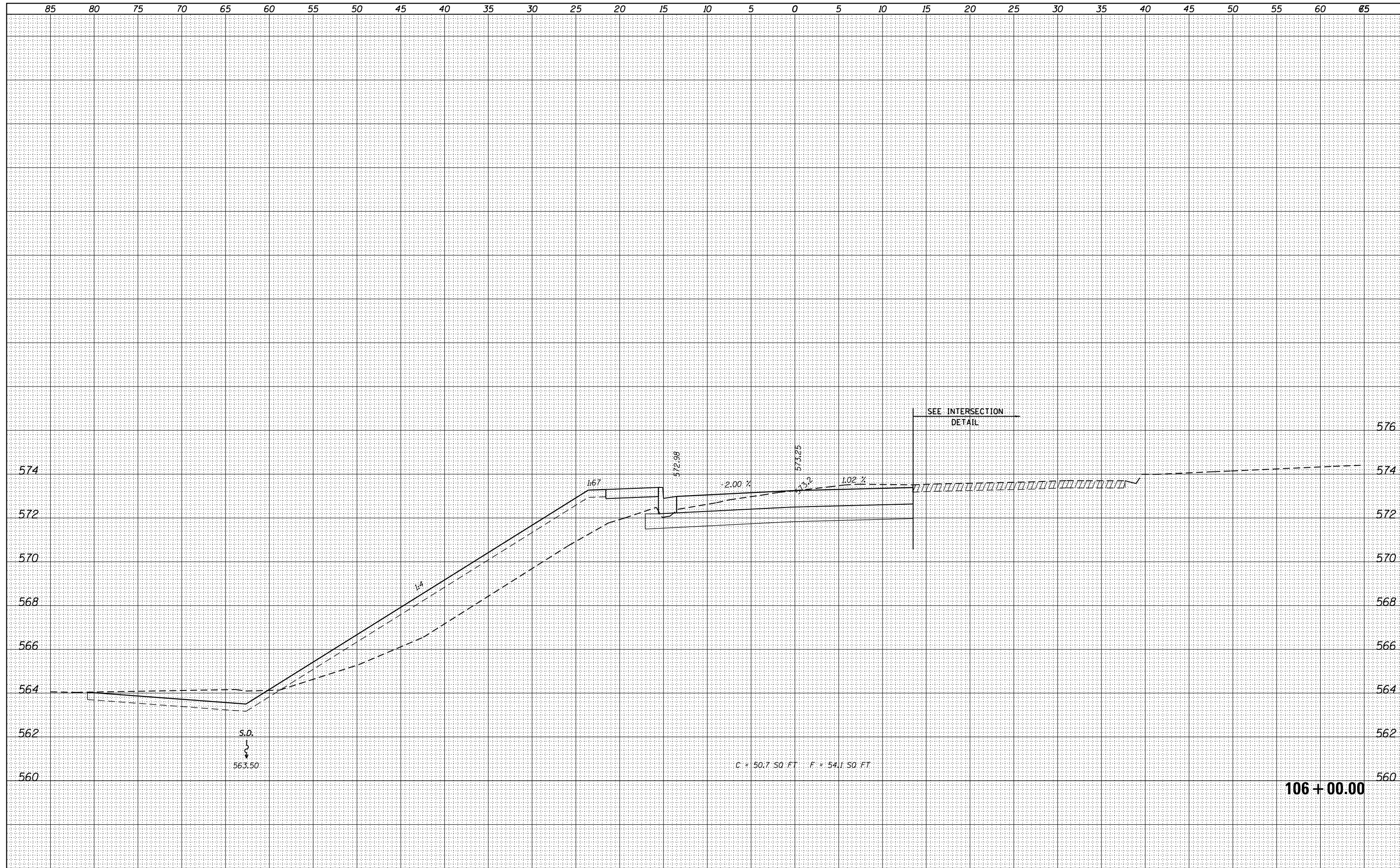
CROSS SECTIONS
IDLER LANE
 SCALE: SHEET 13 OF 23 SHEETS STA. 105+60.00 TO STA. 105+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	54
				CONTRACT NO. 97665
ILLINOIS FED. AID PROJECT				

105 + 60.00

DATE	
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FINAL SURVEY	SURVEYED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 12/27/2017

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IDLER LANE

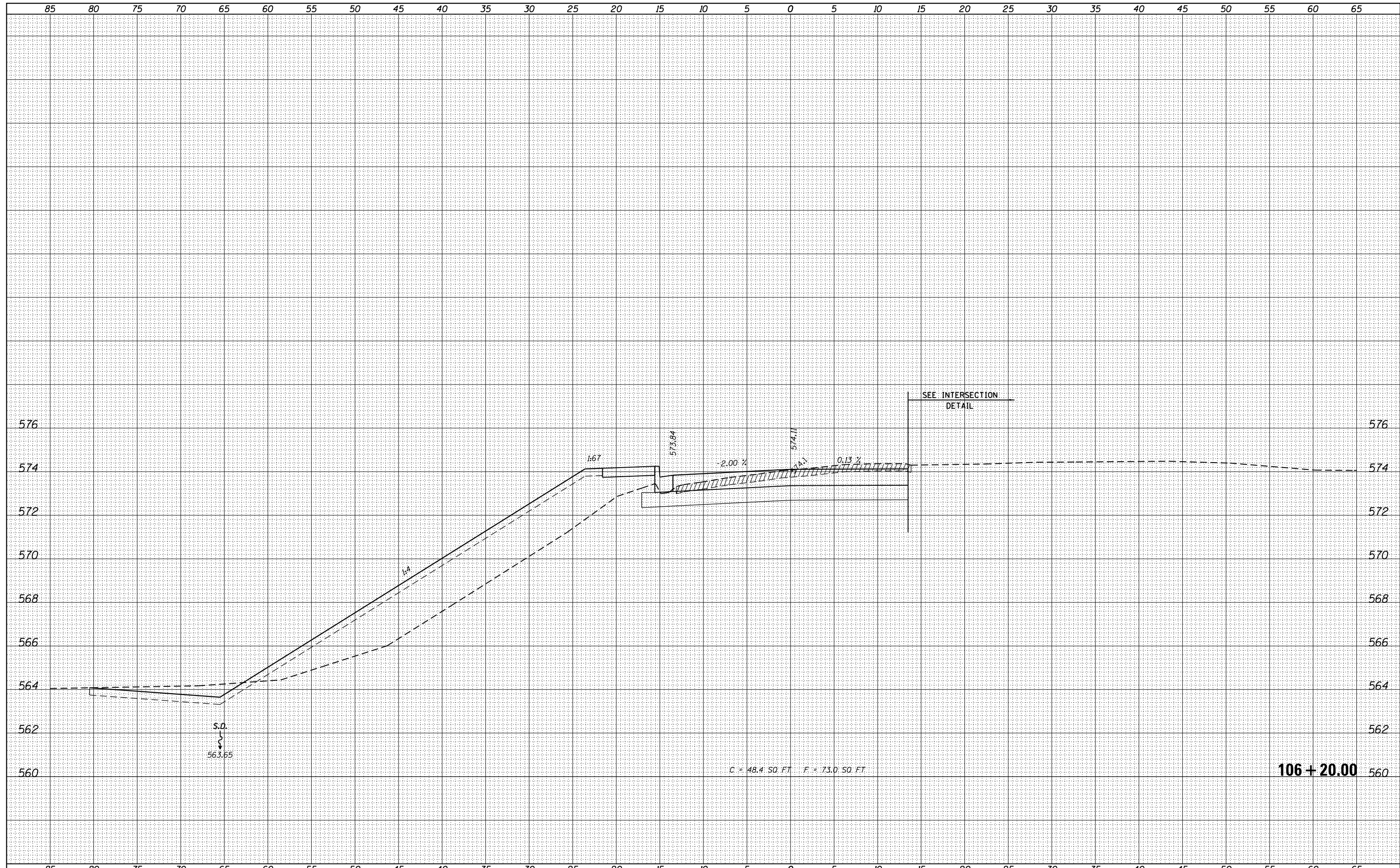
SCALE: SHEET 15 OF 23 SHEETS STA. 106+00.00 TO STA. 106+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	56
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

106 + 00.00

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -	REVISIED -
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DATE -	REVISIED -

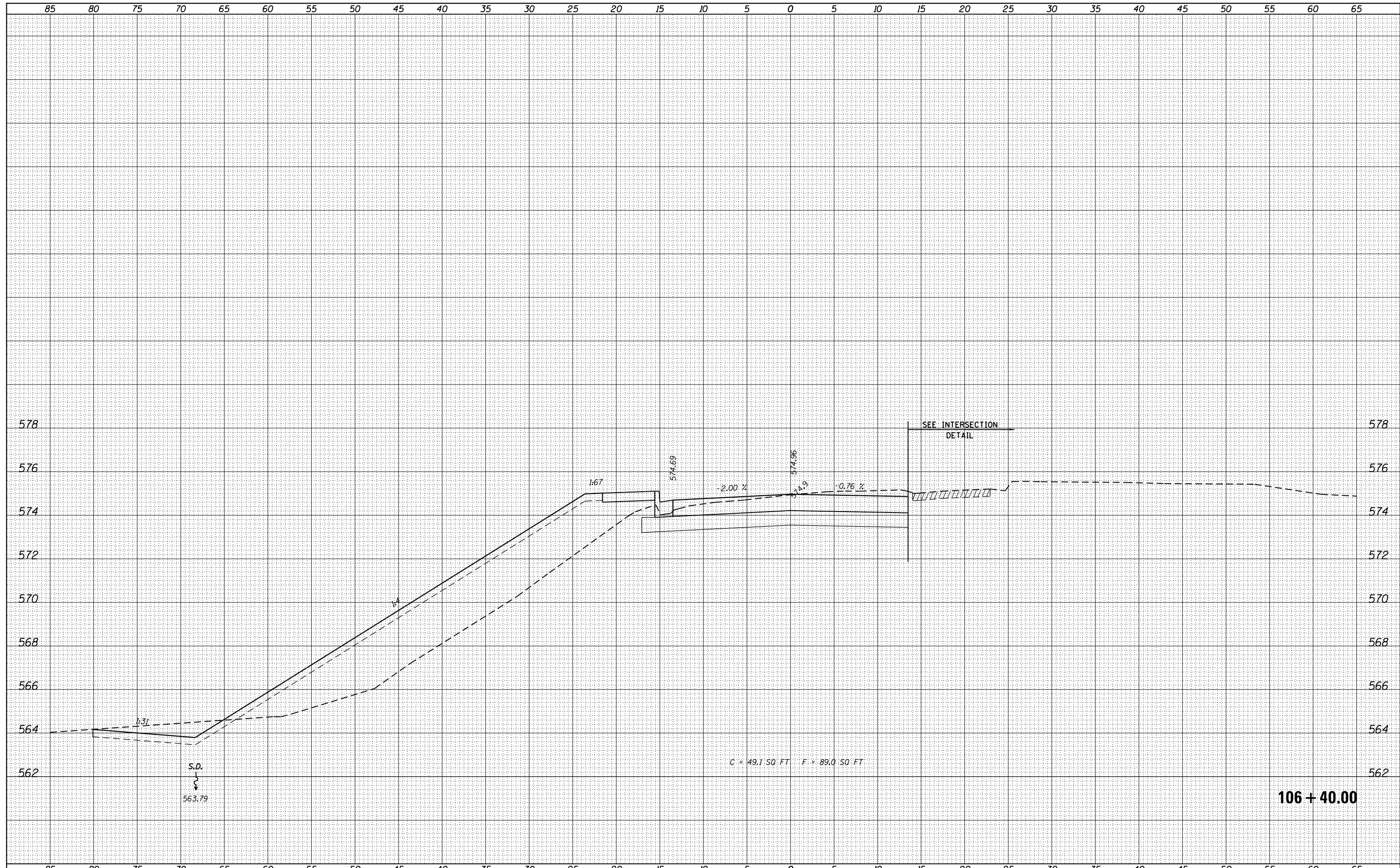
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IDLER LANE
 SCALE: SHEET 16 OF 23 SHEETS STA. 106+20.00 TO STA. 106+20.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	57
				CONTRACT NO. 97665
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
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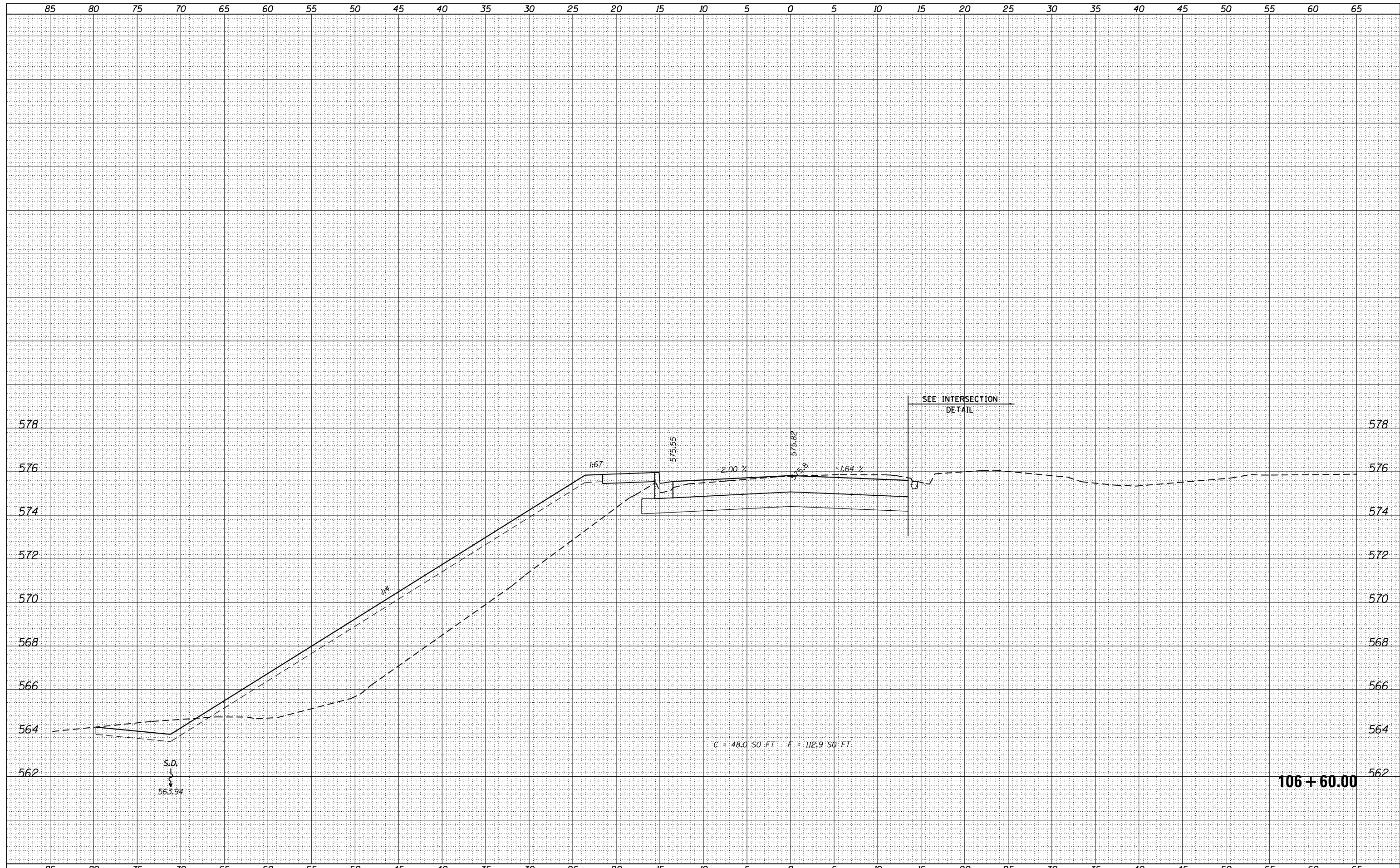
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ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
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FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn	DESIGNED -	REVISÉ -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	DRAWN -	REVISÉ -		SCALE:	SHEET 17	OF 23 SHEETS	STA. 106+40.00	TO STA. 106+40.00	17-00042-01-WR	BOND	64	58
USER NAME = kschwler.john	CHECKED -	REVISÉ -					CONTRACT NO. 97665			ILLINOIS FED. AID PROJECT		
PLOT SCALE = 10.0000' / 1" /	DATE -	REVISÉ -										

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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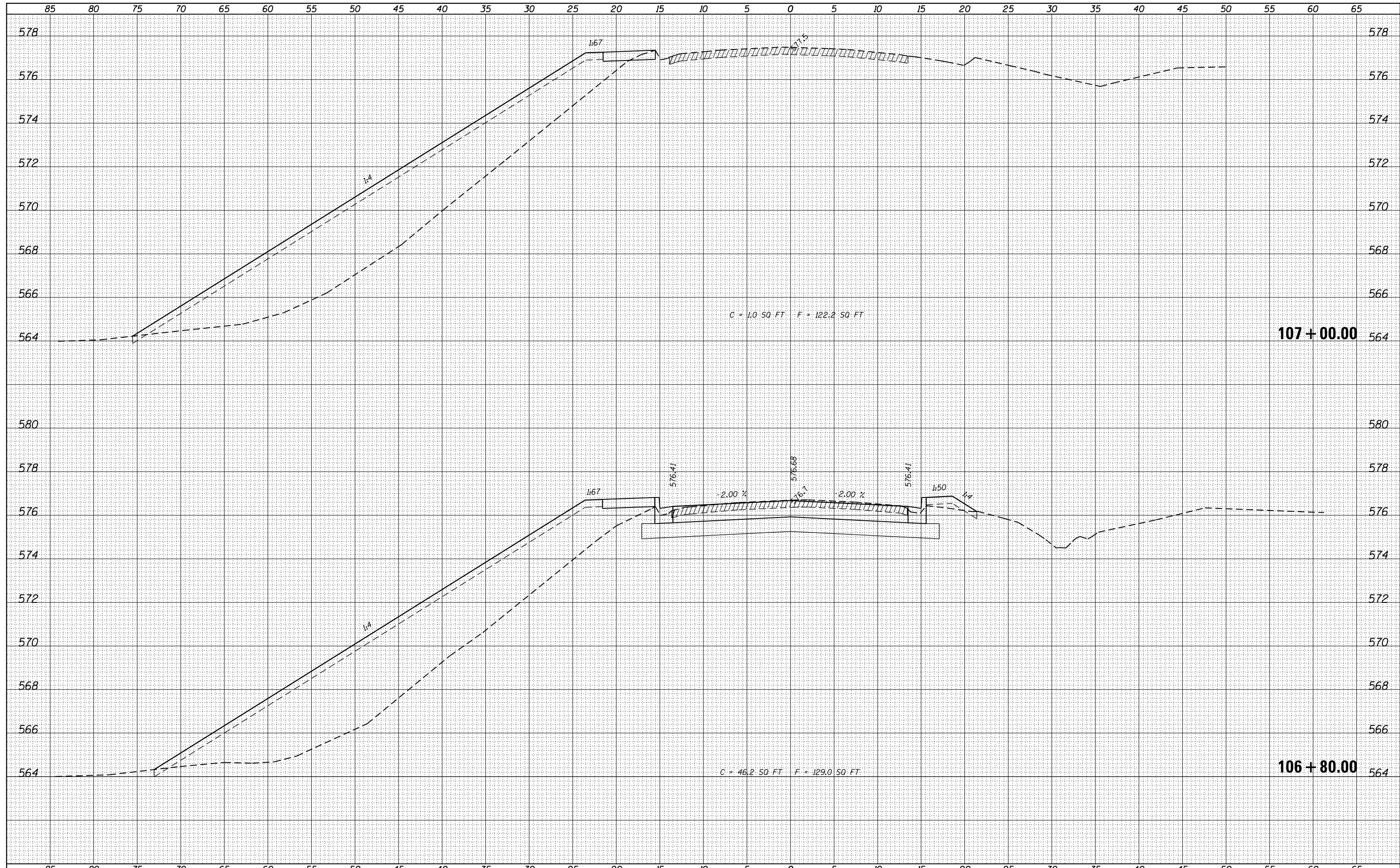


FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn	DESIGNED -	REVISÉ -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kschwler.john	REVISÉ -		SCALE:	SHEET 18	OF 23 SHEETS	STA. 106+60.00	TO STA. 106+60.00	17-00042-01-WR	BOND	64	59
	PLOT SCALE = 10.0000' / in.	REVISÉ -										
	PLOT DATE = 12/27/2017	REVISÉ -										
							ILLINOIS FED. AID PROJECT					

106 + 60.00

DATE	
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FILE NAME = H:\7335_Greenville\IdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
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USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 12/27/2017

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

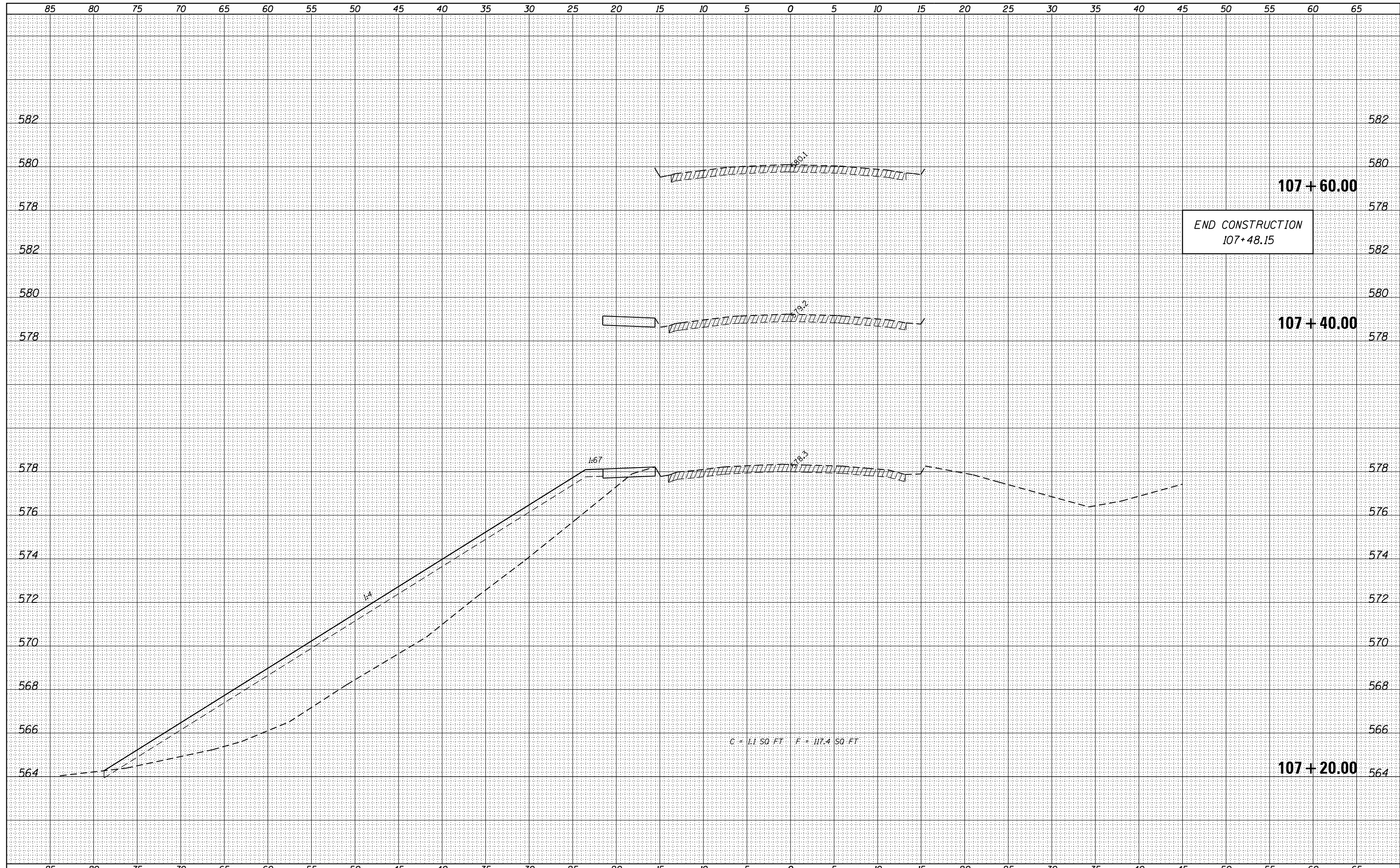
CROSS SECTIONS
 IDLER LANE

SCALE: SHEET 19 OF 23 SHEETS STA. 106+80.00 TO STA. 107+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	60
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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FILE NAME = H:\7335_GreenvilleIdlerLane\CADD_Sheets\7335-SHT-XS-IDLER.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED	-	REVISÉD	-
DRAWN	-	REVISÉD	-
CHECKED	-	REVISÉD	-
DATE	-	REVISÉD	-

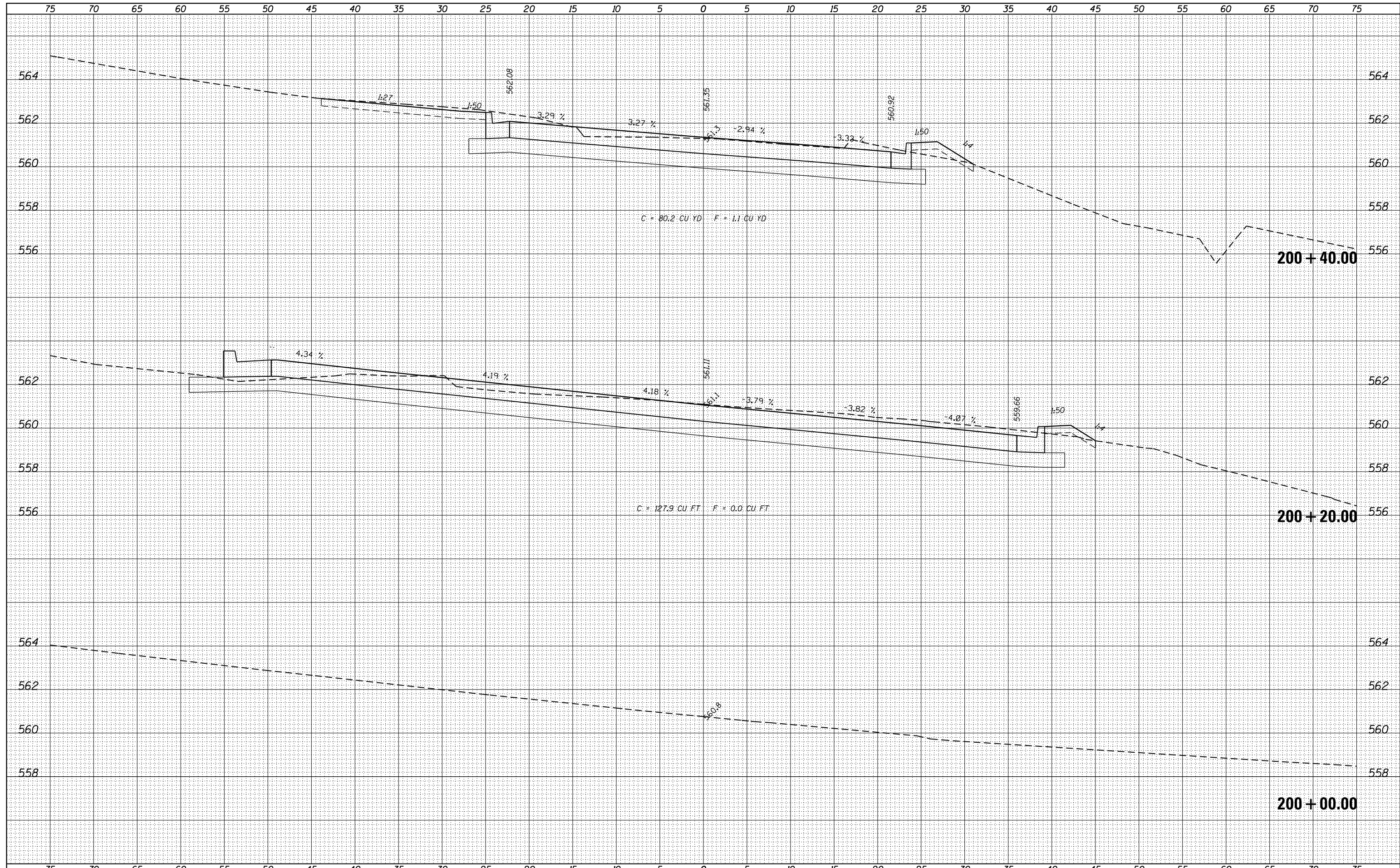
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IDLER LANE
 SCALE: SHEET 20 OF 23 SHEETS STA. 107+20.00 TO STA. 107+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	61
				CONTRACT NO. 97665
ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
PLOTTED	
TEMPLE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
PLOTTED	
TEMPLE	
AREAS	
CHECKED	



FILE NAME = H:\7335_GreenvilleLdrLane\CADD_Sheets\7335-SHT-XS-BRAD.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = kschwler_john
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 12/27/2017

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BRADFORD LANE

SCALE: SHEET 21 OF 23 SHEETS STA. 200+00.00 TO STA. 200+40.00

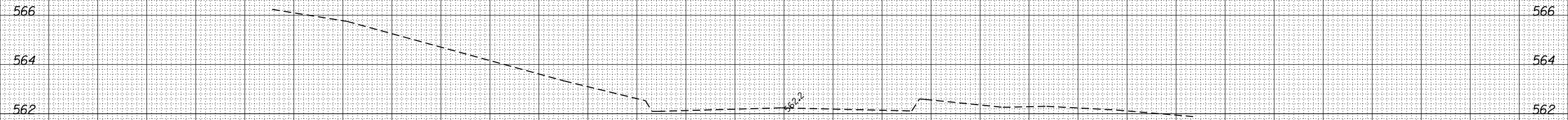
F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	62
CONTRACT NO. 97665				

ILLINOIS FED. AID PROJECT

75 70 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 70 75

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



75 70 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 70 75

FILE NAME = H:\7335_Greenville\lderLane\CADD_Sheets\7335-SHT-XS-BRAD.dgn
HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = kschwler.john
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 12/27/2017

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BRADFORD LANE**

SCALE: SHEET 23 OF 23 SHEETS STA. 201+00.00 TO STA. 201+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9836	17-00042-01-WR	BOND	64	64
CONTRACT NO. 97665				
ILLINOIS FED. AID PROJECT				