

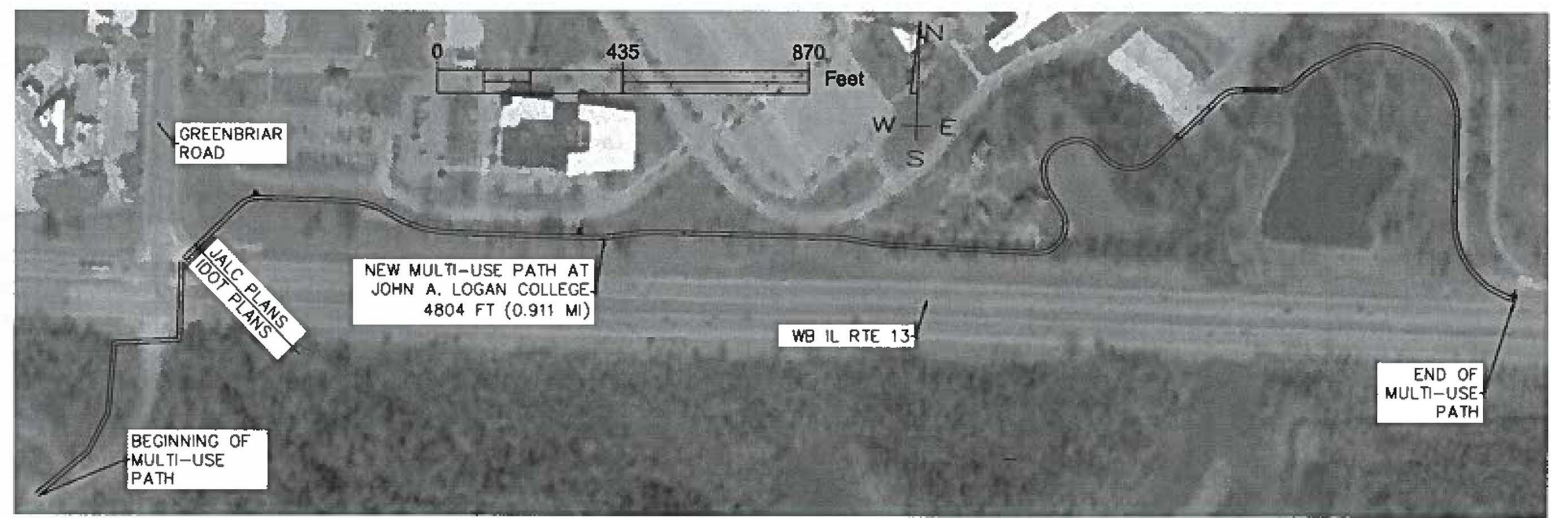


LOCATION OF SECTION INDICATED THIS: - [black rectangle]

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 PLANS FOR  
 PROPOSED MULTI-USE PATH  
 JOHN A. LOGAN COLLEGE  
 ILLINOIS TRANSPORTATION ENHANCMENT PROGRAM  
 SECTION 18-00001-00-BT  
 JOB: C-99-101-18  
 PROJECT: ONW6(427)  
 CONTRACT 99654

03-05-2021 LETTING ITEM 126  
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ENGINEER AND SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS )  
 COUNTY OF WILLIAMSON )SS

I, JOHN H. CRAWFORD, ILLINOIS PROFESSIONAL ENGINEER NO. 29206 AND ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2061 DO HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME, OR PREPARED UNDER MY DIRECT SUPERVISION.

IN WITNESS THEREOF, I HAVE SET MY HAND AND SEAL THIS  
 11TH DAY OF JULY, 2020.

*[Signature]*  
 JOHN H. CRAWFORD  
 I.P.E. NO. 29206  
 I.P.L.S. NO. 2061  
 CARTERVILLE, ILLINOIS



JOHN A. LOGAN COLLEGE  
 WILLIAMSON COUNTY, IL  
 APPROVED July 15, 2020  
*[Signature]*  
 LOCAL AGENCY POSITION

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 APPROVED 12/15, 2020  
*[Signature]*  
 DISTRICT ENGINEER OF LOCAL ROADS & STREETS  
 RELEASED FOR  
 BID BASED ON  
 LIMITED REVIEW 12/15, 2020  
*[Signature]*  
 ACTING DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

	USER NAME =	DESIGNED - JHC	REVISED -	JOHN A LOGAN COLLEGE MULTI-USE PATH STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COVER SHEET MULTI-USE PATH		SECTION 18-00001-00-BT COUNTY WILLIAMSON TOTAL SHEETS 96 SHEET NO. 1 CONTRACT NO. 99654
	PLOT SCALE =	DRAWN - JHC	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	
	PLOT DATE =	CHECKED - WDS	REVISED -				ILLINOIS FED. AID PROJECT ONW6(427)
		DATE = 03/27/20	REVISED - 07/11/20				

NO.	DESCRIPTION	QUANTITY	UNIT
X0795800	COARSE AGGREGATE	35	TON *
X0900041	PRECAST WINGWALL	4	EACH *
X1700063	CONCRETE HEADWALL (SPECIAL)	2	EACH *
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	137	SQ FT *
Δ X5091765	PIPE HANDRAIL, SPECIAL	122	FOOT *
X6061815	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL)	76	FOOT *
X8140115	MANHOLE TO BE ADJUSTED	2	EACH *
Z0038138	THREE-SIDED PRECAST CONCRETE STRUCTURE 32X9'	12.33	FOOT *
Z0042300	PORTLAND CEMENT SIDEWALK CURB	42	FOOT *
Δ 20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	105	UNIT
Δ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	408	UNIT
Δ 20100500	TREE REMOVAL, ACRES	0.6	ACRE
20200100	EARTH EXCAVATION	1404	CU YD
20300100	CHANNEL EXCAVATION	25	CU YD
20400800	FURNISHED EXCAVATION	789	CU YD
20700110	POROUS GRANULAR EMBANKMENT	270	TON
20800150	TRENCH BACKFILL	50	CU YD
Δ 25000100	SEEDING, CLASS 1	2.4	ACRE
Δ 25000200	SEEDING, CLASS 2	0.4	ACRE
Δ 25000350	SEEDING, CLASS 7	0.4	ACRE
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	252	POUND
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	252	POUND
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	252	POUND
Δ 25000700	AGRICULTURAL GROUND LIMESTONE	5.6	TON
Δ 25100105	MULCH, METHOD 1	2.4	ACRE
Δ 25100115	MULCH, METHOD 2	0.8	ACRE
Δ 25100630	EROSION CONTROL BLANKET	203	SQ YD
28000250	TEMPORARY EROSION CONTROL SEEDING	78	POUND
28000305	TEMPORARY DITCH CHECKS	650	FOOT
28000400	PERIMETER EROSION BARRIER	8851	FOOT
28000500	INLET AND PIPE PROTECTION	17	EACH
28100825	STONE DUMPED RIPRAP, CLASS B3	50	TON
35100100	AGGREGATE BASE COURSE, TYPE A	50	TON
40200100	AGGREGATE SURFACE COURSE, TYPE A	50	TON
42000060	WELDED WIRE REINFORCEMENT	108	SQ YD
42001300	PROTECTIVE COAT	4897	SQ YD
42400200	PORTLAND CEMENT SIDEWALK, 5 INCH	43344	SQ FT
42400300	PORTLAND CEMENT SIDEWALK, 6 INCH	610	SQ FT
42400800	DETECTABLE WARNINGS	274	SQ FT
44000500	COMBINATION CURB AND GUTTER REMOVAL	112	FOOT
44000600	SIDEWALK REMOVAL	1350	SQ FT
44004250	PAVED SHOULDER REMOVAL	31	SQ YD
50105220	PIPE CULVERT REMOVAL	10	FOOT
50300225	CONCRETE STRUCTURES	24	CU YD
50800105	REINFORCEMENT BARS	1235	LB

51201600	FURNISHING STEEL PILES HP12X53	315	FOOT
51202305	DRIVING PILES	315	FOOT
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	1	EACH
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	2	EACH
54248510	CONCRETE COLLAR	1	CU YD
54261712	STEEL FLARED END SECTIONS 12"	4	EACH
54261718	STEEL FLARED END SECTIONS 18"	2	EACH
54262715	METAL FLARED END SECTIONS 15"	4	EACH
542C0217	PIPE CULVERTS, CLASS C, TYPE 1 12"	160	FOOT
542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	6	FOOT
542C0223	PIPE CULVERTS, CLASS C, TYPE 1 18"	65	FOOT
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	41	FOOT
60236200	INLETS TYPE A TYPE B GRATE	6	EACH
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12	12	FOOT
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24	54	FOOT
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M6.06	12	FOOT
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M6.24	12	FOOT
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	264	SQ FT
67100100	MOBILIZATION	1	L SUM
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	1	L SUM
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	1	L SUM
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	1	L SUM
Δ 78001110	PAINT PAVEMENT MARKING LINE 4"	558	FOOT
Δ 78008210	POLYUREA PAVEMENT MARKING TYPE 1 -LINE 4"	105	FOOT
Δ 78008250	POLYUREA PAVEMENT MARKING TYPE 1 -LINE 12"	658	FOOT
Δ 78008270	POLYUREA PAVEMENT MARKING TYPE 1 -LINE 24"	115	FOOT
78300201	PAVEMENT MARKING REMOVAL - GRINDING	258	SQ FT
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	267	SQ FT
Δ 80300100	LOCATING UNDERGROUND CABLE	150	FOOT
Δ 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	140	FOOT
Δ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	2193	FOOT
Δ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	2669	FOOT
Δ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	860	FOOT
Δ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	857	FOOT
Δ 87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	6	EACH
Δ 87800100	CONCRETE FOUNDATION, TYPE A	3	FOOT
Δ 87900200	DRILL EXISTING MANHOLE	9	EACH
Δ 88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	6	EACH
Δ 88600100	DETECTOR LOOP, TYPE 1	115	FOOT
Δ 88800100	PEDESTRIAN PUSH BUTTON	6	EACH
Δ 89500100	RELOCATE EXISTING SIGNAL HEAD	1	EACH
Δ 89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	1	EACH
Δ 89502210	MODIFY EXISTING CONTROLLER CABINET	1	EACH
Δ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	1	EACH
# 20076600	TRAINEES	500	HOUR
# 20076604	TRAINEES TRAINING PROGRAM GRADUATE	500	HOUR

\* SEE SPECIAL PROVISIONS

# 0042  
Δ SPECIALTY ITEMS

JOHN H. CRAWFORD & ASSOCIATES, P.C.  
CIVIL ENGINEERS, LAND SURVEYORS  
201 SEVENTH DIVISION STREET, CARLEVILLE, ILLINOIS 62014  
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PROFESSIONAL DESIGN FIRM # 16-002885

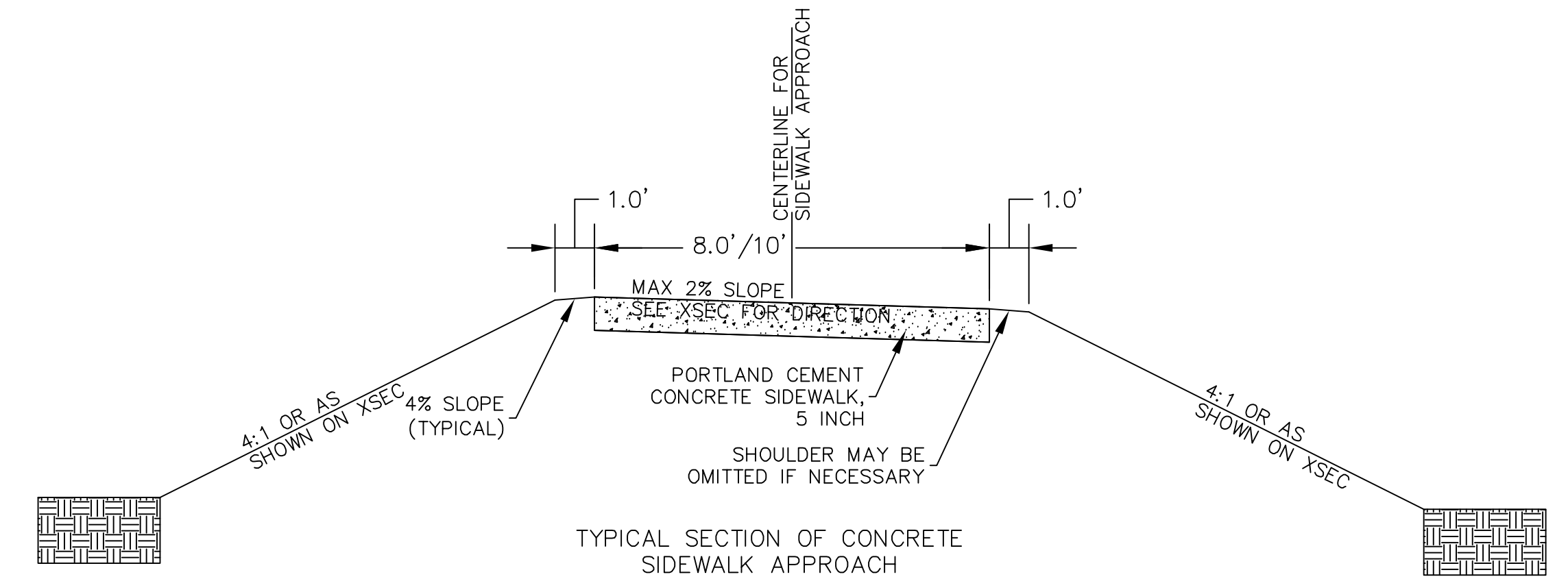
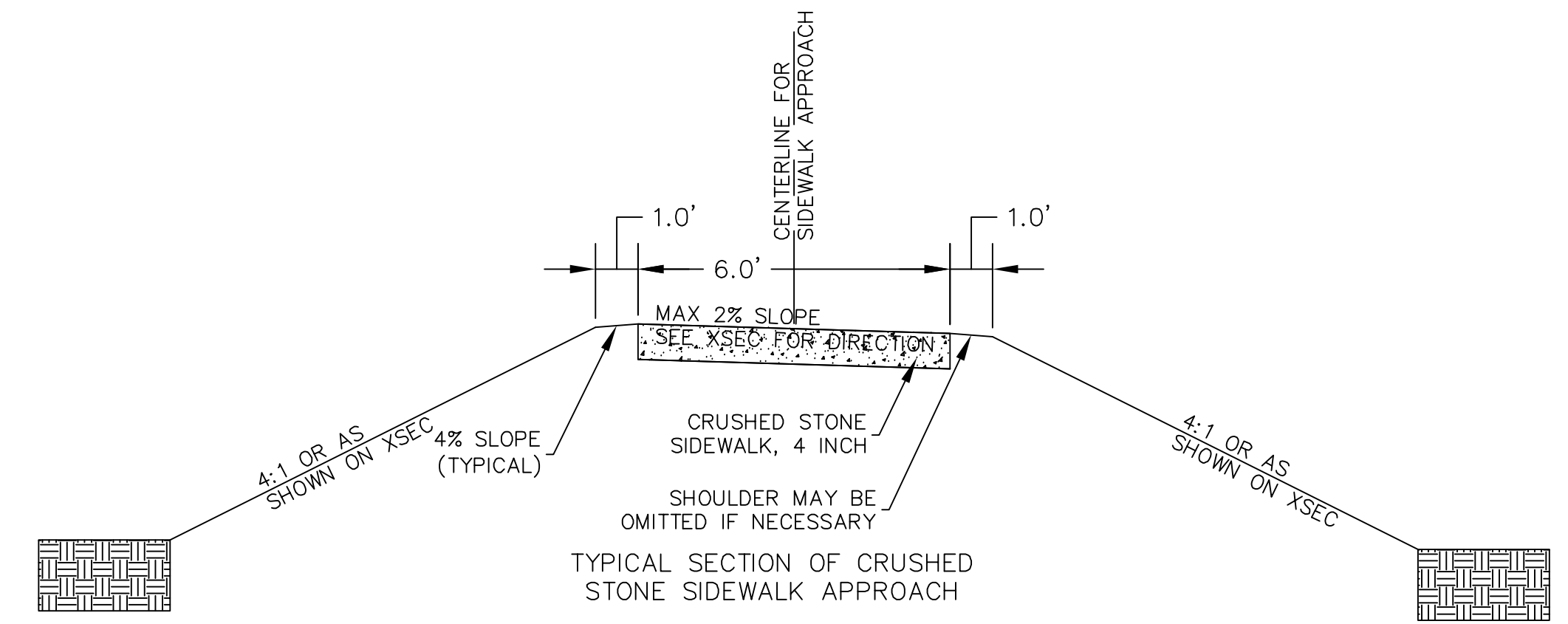
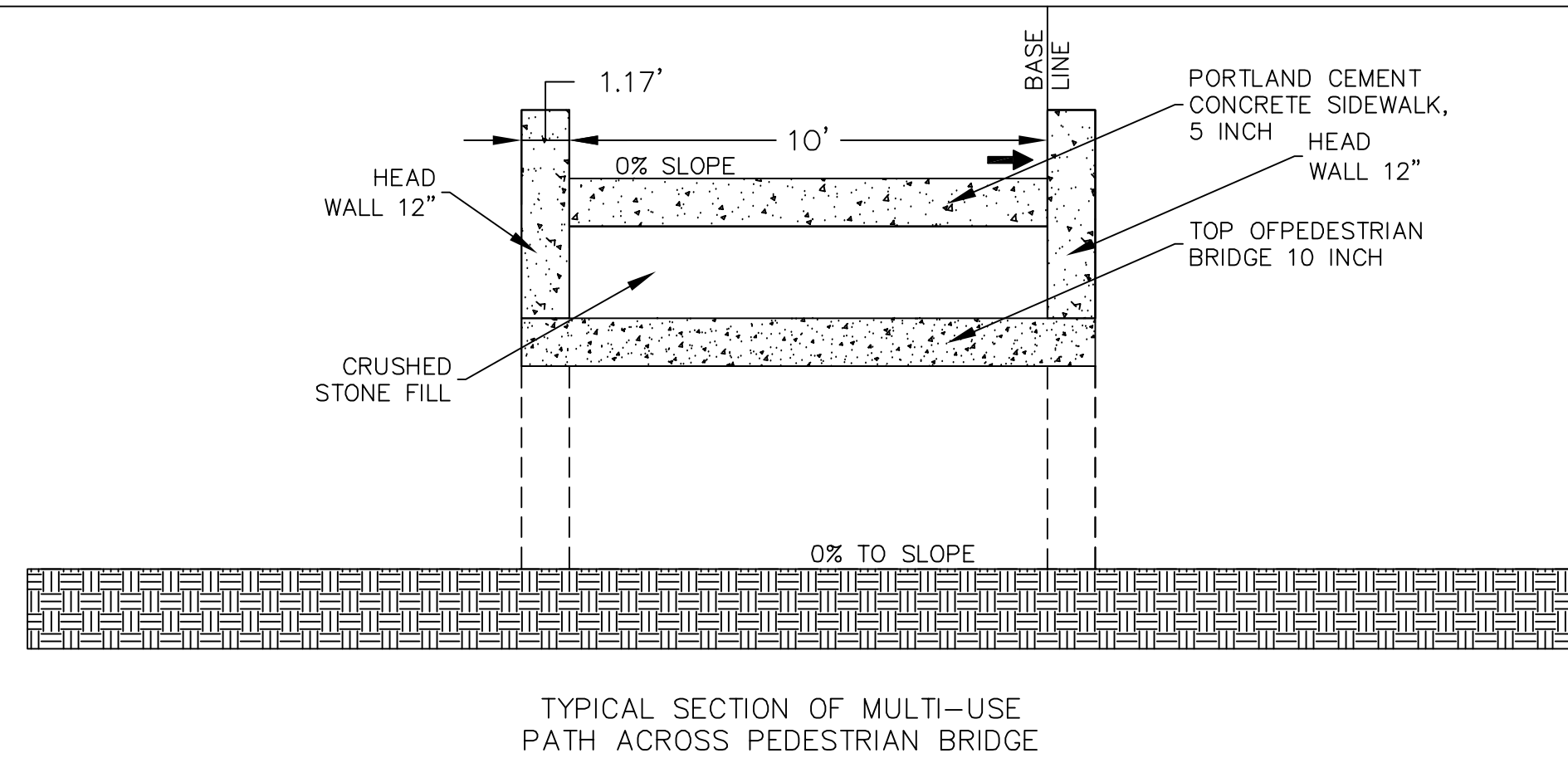
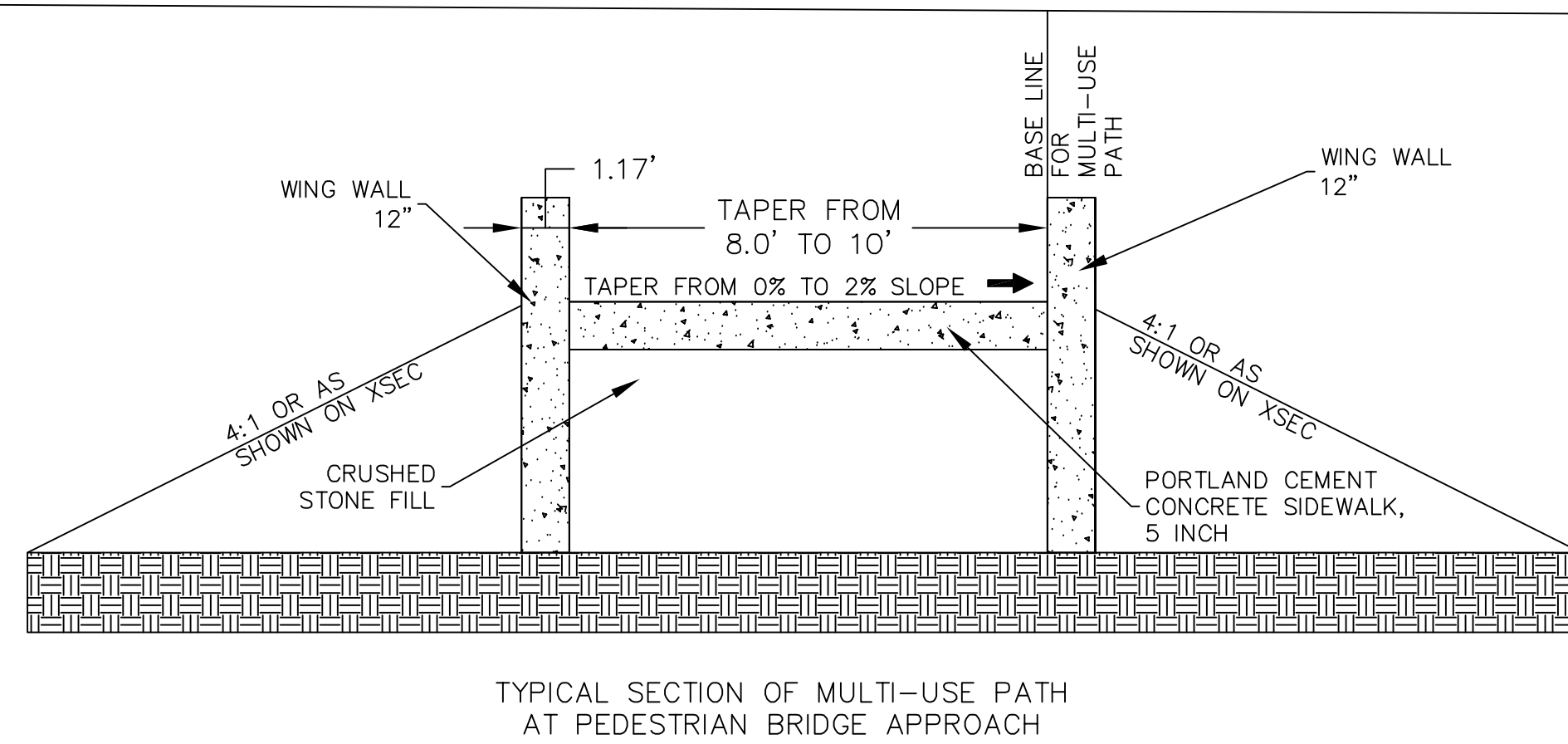
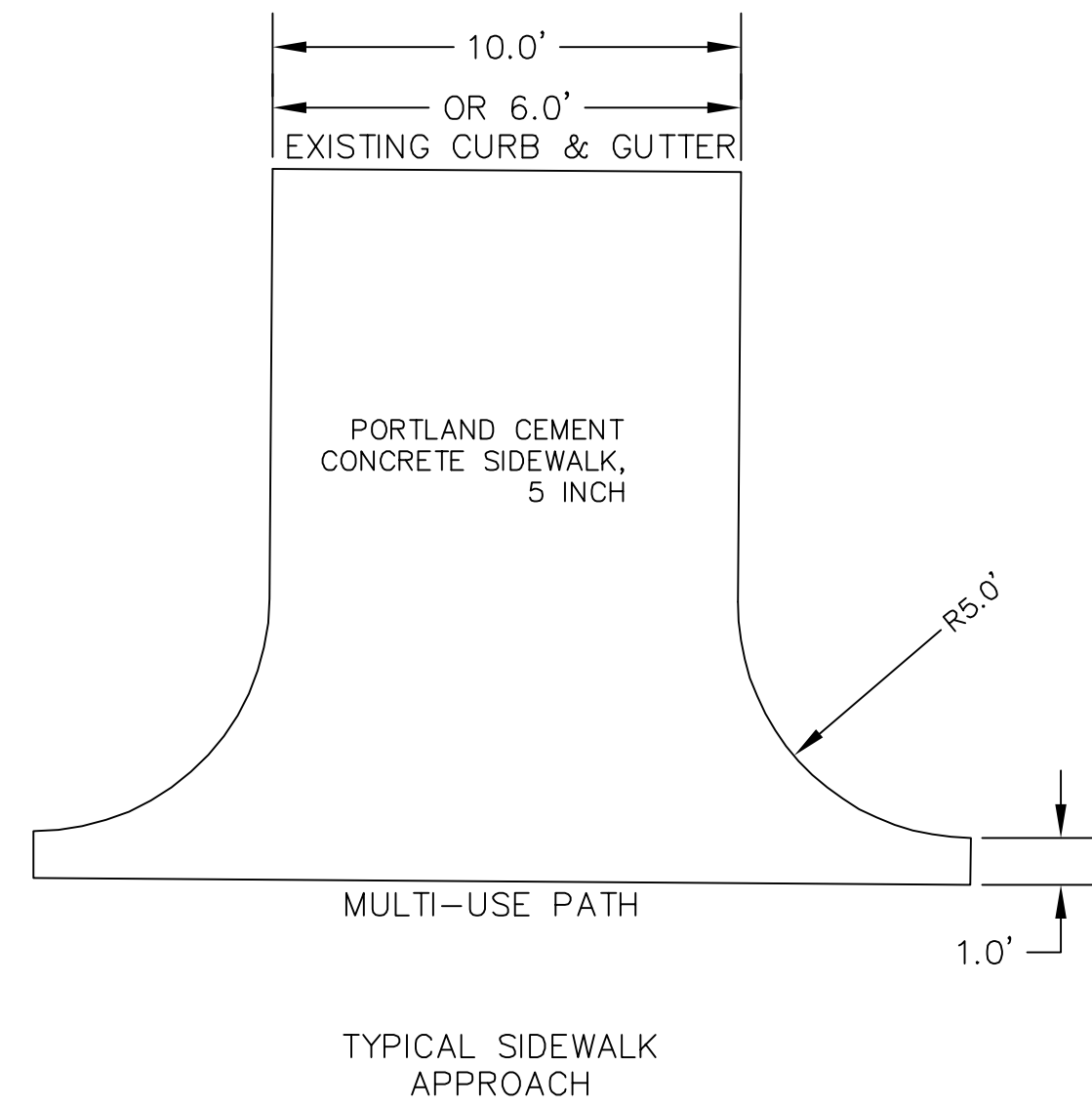
DESIGNED -- JHC	REVISED --
DRAWN -- JHC	REVISED --
CHECKED -- WDS	REVISED -- 01/08/21
DATE -- 03/27/20	REVISED -- 07/11/20

JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
MULTI-USE PATH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	2
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

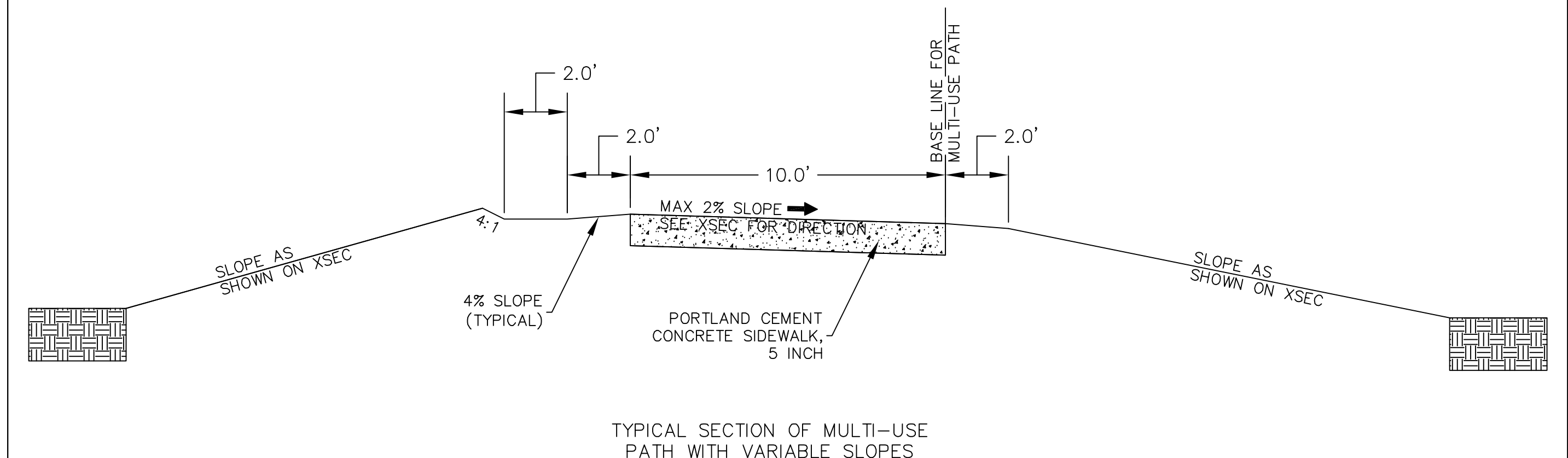
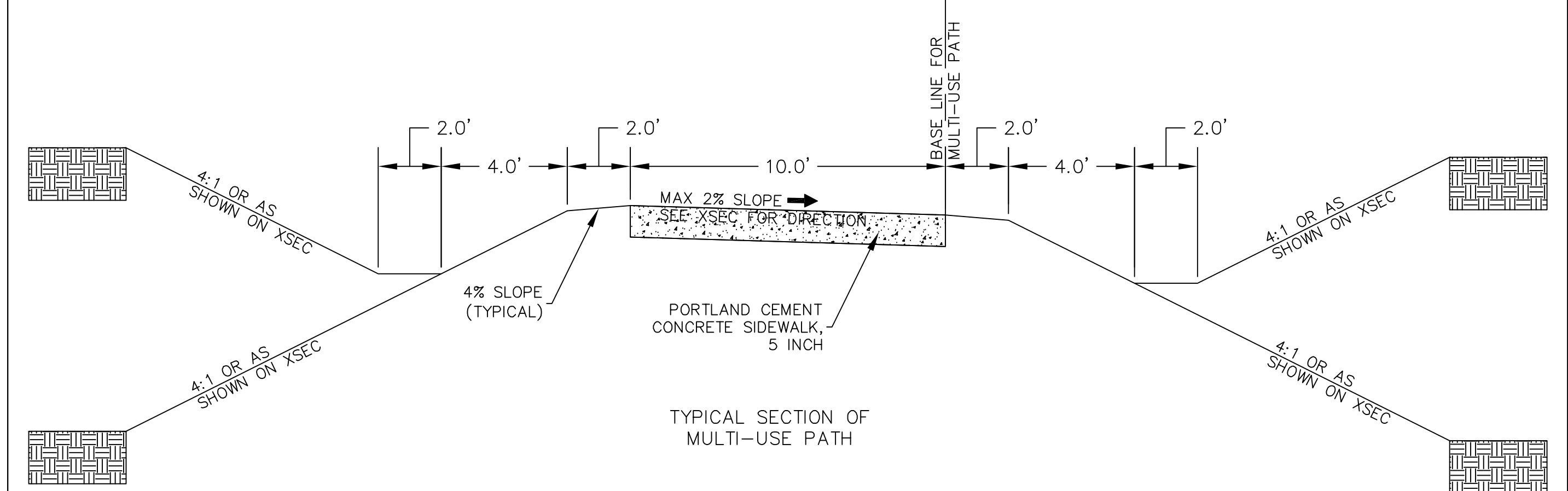


LIST OF STANDARDS

- 000001 - 07\_STANDARDSYMBOLSABBREVIATIONS&PATTERN
- 001001 - 02\_AREASOFREINFORCEMENT
- 001006 - DECIMALOFINCH&FOOT
- 280001 - 07\_TEMPEROSIONCNTRLSYSTEMS
- 280001 - 07\_TEMPORARY EROSION CONTROL SYSTEM
- 424001 - 11\_PERPENDICULARCURBRAMPS
- 424001 - 11\_PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006 - 04\_DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011 - 04\_CORNER PARALLELS CURB RAMPS FOR SIDEWALKS
- 424016 - 05\_MID-BLOCK CURB RAMPS FOR SIDEWALKS
- 424021 - 05\_DEPRESSED CORNER
- 424021 - 05\_DEPRESSED CORNER FOR SIDEWALKS
- 424031 - 02\_MEDIANPEDESTRIANCROSSINGS
- 542301 - 03\_PRECASTREINFORCEDFLAREDENDSECT
- 542401 - 03\_METALFLAREDENDSECTFORPIPECULV
- 602301 - 04\_INLET - TYPE A
- 602601 - 06\_PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 604036 - 03\_GRATE TYPE B
- 606001 - 07\_CONCRETE CURB TYPE B AND COMBINATION CONCRET CURB AND GUTER
- 606001 - 07\_CONCURBTYPE&COMBOCONCC&G
- 606301 - 04\_PCCISLANDS&MEDIANS
- 701001 - 02\_OFFRDOP - 2L2W - 15FTMINFROMEOP
- "701001 - 02\_OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY"
- "701006 - 05\_OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24' 600MM FROM PAVEMENT EDGE"
- 701006 - 05\_OFFRDOP - 2L2W 15FTTOEOP
- "701011 - 04\_OFF-RD OPERATIONS, MOVING OPERATIONS, 2L, 2W, DAY ONLY "
- 701101 - 05\_OFFRDOP - MULTILIN-LESSTHAN15FTTOEOP
- 701106 - 02\_OFFRDOP-MULTILIN-MORETHAN15FTAWAY
- "701201 - 05\_LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH"
- "701301 - 04\_LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS "
- "701306 - 04\_LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS. 45 MPH"
- 701422 - 10\_LNLCLOSUREMULTILN-45-55-MPH
- "701501 - 06\_URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED"
- 701502 - 09\_URBANLNLCLOSURE2L2WWITHBIDIRECTLEFTTURNLN
- 701701 - 10\_URBANLNLCLOSUREMULTILNINTERSECTION
- 701901 - 08\_TRAFCNTRLDEVICES
- 701901 - 08\_TRAFFIC CONTROL DEVICES
- 780001 - 05\_TYPICAL PAVEMENT MARKINGS
- 814001 - 03\_HANDHOLES
- 830001 - 03\_LIGHTPOLEALUMINUMSTARM
- 836001 - 04\_LIGHTPOLEFOUNDATION
- 838001 - 01\_BREAKAWAYDEVICES
- 857001 - 01\_STDPHASEDESIGNATIONDIAGRAMS&PHASESEQ
- 873001 - 02\_TRAFSIGNALGROUND&BOND
- 876001 - 04\_PEDESTRIANPUSHBUTTONPOST
- 877011 - 10\_STEELCOMBOMASTARMASSEMBLY&POLE16"THRU55'
- 878001 - 10\_CONCRETEFOUNDATIONDETAILS
- 880006 - 01\_TRFSIGNALMOUNTDETAILS-POST&BRACKETMOUNT
- 886001 - 01\_DETECTORLOOPINSTALLATIONS
- 886006 - 01\_TYPICALLAYOUTSFORDETECTIONLOOPS

NOTES

1. PLANS FOR THE MULTI-USE PATH ACROSS THE JOHN A. LOGAN COLLEGE CAMPUS HAVE BEEN PREPARED BY JOHN H. CRAWFORD & ASSOCIATES (JHCA) FOR JOHN A. LOGAN COLLEGE (JALC) AND THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT). THE IDOT PORTION OF THE DESIGN BEGINS AT THE EAST END OF A FRONTAGE ROAD AT THE SOUTHWEST CORNER AND ILLINOIS ROUTE 13 AND RUNS NORTH AND EAST TO THE NORTHEAST CORNER OF GREENBRIAR ROAD AND ILLINOIS ROUTE 13. THE JALC PORTION OF THE DESIGN BEGINS AT THE NORTHEAST CORNER OF GREENBRIAR ROAD AND ILLINOIS ROUTE 13 AND RUNS EASTERLY ACROSS THE SOUTHERN PART OF THE JALC CAMPUS TO A FRONTAGE ROAD AT THE SOUTHEAST CORNER OF THE JALC CAMPUS.
- PROJECT PLANS INCLUDE THOSE PREPARED BY JHCA FOLLOWED BY THOSE PREPARED BY IDOT.
2. DUE TO THE POSSIBILITY OF ENDANGERED/THREATENED SPECIES HABITAT, CLEARING OF TREES SHALL BE PROHIBITED BETWEEN APRIL 1 THROUGH SEPTEMBER 30.
3. IN AREAS WHERE JALC STAFF HAS CUT SOME OF THE TREES INCLUDED IN THE TREE REMOVAL PAY ITEMS THE REMOVAL OF THE TREES AND STUMPS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. PAYMENT FOR THESE ITEMS SHALL BE AS TREE REMOVAL, ACRES OR TREE REMOVAL (UNITS DIAMETER).
4. FACTORS USED FOR ESTIMATING PLAN QUANTITIES (NOT TO BE USED FOR FINAL QUANTITIES) ARE AS FOLLOWS:  
ALL AGGREGATE - 150 POUNDS/CUBIC FOOT = 2.025 TONS/CUBIC YARD
5. CONTRACTOR SHALL NOTIFY EMERGENCY SERVICES, SCHOOLS, AND LOCAL AUTHORITIES OF ROAD CLOSURE TWO WEEKS IN ADVANCE.





FOR REFERENCE ONLY

EX FES TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
XFES 12 (1)	DIA = 12" INV OUT = 423.82		XPC 4, 12" INV OUT =423.82
XFES 15 (2)	DIA = 15" INV IN = 424.02	XPC 3, 15" INV IN =424.02	
XFES 18 (1)	DIA = 18" INV OUT = 421.91		XPC 2, 18" INV OUT =421.91
XFES 36 (1)	DIA = 36" INV IN = 408.02	XPC 7, 36" INV IN =408.02	

EX MAN TA 4 DIA TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
XMAN MH 4 FT (1)	ID 48" TC 427.85 INV IN 424.65 INV OUT 424.65	XPC 6, 15" INV IN 424.65	XPC 14, 15" INV OUT 424.65
XMAN TA 4 DIA (1)	ID 48" TC 413.25 INV IN 411.18 INV OUT 410.50	XPC 11, 24" INV IN 411.18	XPC 10, 24" INV OUT 410.50
XMAN TA 4 DIA (3)	ID 48" TC 414.75 INV IN 410.00 INV OUT 410.50	XPC 10, 24" INV IN 410.00	XPC 9, 24" INV OUT 410.50

EX INLETS SPL N1 TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
XINLETS SPL N1 (1)	60" X 60" TC 427.25 INV OUT 424.33		XPC 3, 15" INV OUT 424.33
XINLETS SPL N1 (2)	60" X 60" TC 426.80 INV OUT 424.87		XPC 6, 15" INV OUT 424.87
XINLETS SPL N1 (4)	60" X 60" TC 412.91 INV OUT 409.58		XPC 7, 36" INV OUT 409.58

EX INLETS TA T15F&L TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
XINLETS TA T15F&L (1)	ID 24" TC 415.23 INV OUT 411.04		XPC 13, 12" INV OUT 411.04

EXISTING PIPE CULVERTS				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
XBOX CUL 1	72"	Reinforced Concrete Pipe	35.65'	-0.67%
XPC 1	24"	RCCP	57.90'	1.09%
XPC 2	18"	RCCP	176.46'	-0.20%
XPC 3	15"	RCCP	33.93'	0.90%
XPC 4	12"	RCCP	14.03'	-0.95%
XPC 5	12"	RCCP	41.67'	-2.35%
XPC 6	15"	RCCP	67.05'	0.31%
XPC 7	36"	RCCP	84.95'	1.84%
XPC 8	10"	HDPE	10.40'	1.00%
XPC 9	24"	RCCP	22.73'	1.45%
XPC 10	24"	RCCP	48.36'	1.03%
XPC 11	24"	RCCP	46.36'	0.95%
XPC 12	12"	RCCP	21.73'	6.49%
XPC 13	12"	RCCP	22.15'	1.31%
XPC 14	15"	RCCP	17.22'	0.30%

EXISTING BOX CULVERTS				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
XBOX CUL 1	72" X 72"	72" X 72" CONC BOX CULVERT	35.65'	-0.67%

STEEL FLARED END SECTIONS TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
SFES 12 (1)	DIA = 12" INV IN = 424.50	NPC 1, 12" INV IN =424.50	
SFES 12 (2)	DIA = 12" INV IN = 411.51	NPC 6, 12" INV IN =411.51	
SFES 12 (3)	DIA = 12" INV IN = 421.35	NPC 3, 12" INV IN =421.35	
SFES 12 (4)	DIA = 12" INV IN = 405.01	NPC 7, 12" INV IN =405.01	
SFES 18 (1)	DIA = 18" INV OUT = 407.96		NPC 9, 18" INV OUT =407.96
SFES 18 (2)	DIA = 18" INV IN = 405.90	NPC 9, 18" INV IN =405.90	

PRECAST REINFORCED CONCRETE FLARED END SECTION TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
FES 12 (2)	DIA = 12" INV IN = 411.25	NPC 10, 12" INV IN =411.25	
FES 15 (1)	DIA = 15" INV IN = 424.59	NPC 2, 15" INV IN =424.59	

INLETS TA T8G TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
INLETS TA T8G (1)	ID 24" TC 426.82 INV OUT 424.82		NPC 1, 12" INV OUT 424.82
INLETS TA T8G (2)	ID 24" TC 424.64 INV OUT 422.10		NPC 4, 12" INV OUT 422.10
INLETS TA T8G (3)	ID 24" TC 424.04 INV IN 421.54 INV OUT 421.54	NPC 4, 12" INV IN 421.54	NPC 3, 12" INV OUT 421.54
INLETS TA T8G (4)	ID 24" TC 415.17 INV OUT 411.95		NPC 6, 12" INV OUT 411.95
INLETS TA T8G (5)	ID 24" TC 407.02 INV OUT 405.04		NPC 8, 12" INV OUT 405.04
INLETS TA T8G (6)	ID 24" TC 406.98 INV IN 405.02 INV OUT 405.02	NPC 8, 12" INV IN 405.02	NPC 7, 12" INV OUT 405.02

PIPE CULVERTS, CLASS C, TYPE 1 15"				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
NPC 2	15"	RCCP	6.00'	0.30%

PIPE CULVERTS, CLASS A, TYPE 1 12"				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
NPC 1	12"	HDPE	42.00'	0.76%
NPC 3	12"	HDPE	19.84'	0.96%
NPC 4	12"	HDPE	22.16'	2.55%
NPC 6	12"	HDPE	32.00'	1.39%
NPC 7	12"	HDPE	8.00'	0.12%
NPC 8	12"	HDPE	26.86'	0.09%
NPC 10	12"	RCCP	6.00'	6.40%

PIPE CULVERTS, CLASS C, TYPE 1, 18"				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
NPC 9	18"	HDPE	65.00'	3.17%

DISTURBED AREA		
NAME	SQ FT	ACRES
DIST AREA (71)	7680 SQ FT	0.18 ACRES
DIST AREA (72)	881 SQ FT	0.02 ACRES
DIST AREA (62)	2733 SQ FT	0.06 ACRES
DIST AREA (63)	1558 SQ FT	0.04 ACRES
DIST AREA (64)	3640 SQ FT	0.08 ACRES
DIST AREA (65)	4112 SQ FT	0.09 ACRES
DIST AREA (66)	3678 SQ FT	0.08 ACRES
DIST AREA (67)	6619 SQ FT	0.15 ACRES

DISTURBED AREA		
NAME	SQ FT	ACRES
DIST AREA (68)	6557 SQ FT	0.15 ACRES
DIST AREA (69)	1251 SQ FT	0.03 ACRES
DIST AREA (70)	483 SQ FT	0.01 ACRES
DIST AREA (41)	1357 SQ FT	0.03 ACRES
DIST AREA (42)	1112 SQ FT	0.03 ACRES
DIST AREA (43)	9658 SQ FT	0.22 ACRES
DIST AREA (44)	6991 SQ FT	0.16 ACRES
DIST AREA (45)	6391 SQ FT	0.15 ACRES

DISTURBED AREA		
NAME	SQ FT	ACRES
DIST AREA (46)	10817 SQ FT	0.25 ACRES
DIST AREA (53)	7270 SQ FT	0.17 ACRES
DIST AREA (54)	10889 SQ FT	0.25 ACRES
DIST AREA (60)	511 SQ FT	0.01 ACRES
DIST AREA (61)	10359 SQ FT	0.24 ACRES
DIST AREA (39)	1663 SQ FT	0.04 ACRES
DIST AREA (40)	780 SQ FT	0.02 ACRES

EROSION CONTROL BARRIER	
LOCATION	LENGTH
EROSION CONTROL BARRIER 1	211 FT
EROSION CONTROL BARRIER 2	370 FT
EROSION CONTROL BARRIER 3	592 FT
EROSION CONTROL BARRIER 4	645 FT
EROSION CONTROL BARRIER 5	646 FT
EROSION CONTROL BARRIER 6	645 FT
EROSION CONTROL BARRIER 7	650 FT
EROSION CONTROL BARRIER 8	437 FT
EROSION CONTROL BARRIER 9	366 FT
EROSION CONTROL BARRIER 10	463 FT
EROSION CONTROL BARRIER 11	484 FT
EROSION CONTROL BARRIER 12	123 FT
EROSION CONTROL BARRIER 13	155 FT
EROSION CONTROL BARRIER 14	41 FT
EROSION CONTROL BARRIER 15	41 FT
EROSION CONTROL BARRIER 16	49 FT
EROSION CONTROL BARRIER 17	152 FT
EROSION CONTROL BARRIER 18	101 FT
EROSION CONTROL BARRIER 19	767 FT
EROSION CONTROL BARRIER 20	479 FT
EROSION CONTROL BARRIER 21	363 FT
EROSION CONTROL BARRIER 22	290 FT
TOTAL	8070 FT

INLET AND PIPE PROTECTION		
STATION	OFFSET	LOCATION
110+10	13 L	INLET
110+10	29 R	INLET
122+41	17 L	INLET
122+41	15 R	OUTLET
128+50	15 L	INLET
128+50	27 R	OUTLET
134+89	27 L	INLET
134+96	41 R	OUTLET
138+57	20 L	INLET
138+57	15 R	OUTLET
144+62	15 R	OUTLET
145+13	13 R	OUTLET

TEMPORARY DITCH CHECKS					
FROM STA	TO STA	DITCH LENGTH	AVERAGE SLOPE	DITCH CHECKS	LENGTH
108+20 R	109+93 R	73	5%	2	10
110+11 R	110+75 R	64	<1.0%	1	10
112+25 R	113+17 R	93	<1.0%	1	10
114+50 R	121+50 R	700	1.50%	7	70
124+90 R	134+25 R	935	2.00%	19	190
136+10 R	136+81 R	71	1.50%	1	10
138+43 R	138+35 R	92	<1.0%	1	10
139+10 R	139+37 R	27	<1.0%	1	10
139+90 R	141+60 R	70	<1.0%	1	10
108+20 L	108+73 L	63	5% 2	10	
109+95 L	110+11 L	16	1.50%	5	50
118+00 L	122+40 L	440	1.50%	5	50
131+42 L	133+75 L	233	2.50%	4	40
138+49 L	138+61 L	12	<1.0%	1	10
138+84 L	142+37	353	2.00%	7	70
TOTAL				56	560

TRENCH BACKFILL					
LOCATION	PIPE SIZE	WIDTH	LENGTH	DEPTH	CUBIC YARDS
	INCH	FEET	FEET		
NPC 1	12	2.83	16	2.5	4.2
NPC 4	12	2.83	16	2.5	4.2
NPC 5	18	3.42	24	2.5	7.6
NPC 6	12	2.83	20	2.5	5.2
NPC 8	12	2.83	16	2.5	4.2
TOTAL					25.4

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TREE REMOVAL ACRES	
NAME	AREA
TREE REMOV ACRES (1)	0.078 AC
TREE REMOV ACRES (2)	0.092 AC
TREE REMOV ACRES (3)	0.208 AC
TREE REMOV ACRES (12)	0.069 AC

TREE REMOV 6 -15		
STATION	OFFSET	DIAMETER
116+30	1 R	15
135+78	3 L	6
138+66	15 L	14
138+71	20 L	12
138+73	14 L	14
139+74	16 L	14

TREE REMOV OVER 15		
STATION	OFFSET	DIAMETER
114+76	10 R	24
115+29	6 R	18
115+83	8 R	30
117+05	0 L	18
117+29	0 R	24
121+79	21 L	18
138+04	25 R	20
138+26	15 L	30
138+70	12 L	22
138+75	17 L	18
139+07	31 R	18
140+16	7 R	54
140+34	2 R	48
140+42	8 L	34

COM CURB GUTTER REM	
LINE	LENGTH
COMB CURB GUTTER REM (4)	12.9'
COMB CURB GUTTER REM (12)	7.9'
COMB CURB GUTTER REM (13)	12.0'
COMB CURB GUTTER REM (88)	8.0'
COMB CURB GUTTER REM (89)	10.0'

COMB CC&G TB6.12	
LINE	LENGTH
COMB CC&G TB6.12 (14)	12.0'

COMB CC&G TB6.24	
LINE	LENGTH
COMB CC&G TB6.24 (3)	12.9'
COMB CC&G TB6.24 (9)	7.9'

PC CONC SIDEWALK CURB		
LINE OR CURVE NO.	RADIUS	LENGTH
PC CONC SIDEWALK CURB (15)		13.7'
PC CONC SIDEWALK CURB (16)		6.2'
PC CONC SIDEWALK CURB (21)		1.0'
PC CONC SIDEWALK CURB (23)		0.5'
PC CONC SIDEWALK CURB 7	1.50'	2.3'
PC CONC SIDEWALK CURB 10	196.00'	12.6'
PC CONC SIDEWALK CURB 11	185.00'	5.1'

PC CONCRETE SIDEWALK 5	
NO.	AREA
PC CONC SIDEWALK 5 (1)	185.5 SQ FT
PC CONC SIDEWALK 5 (2)	5549.4 SQ FT
PC CONC SIDEWALK 5 (3)	6431.5 SQ FT
PC CONC SIDEWALK 5 (4)	6410.2 SQ FT
PC CONC SIDEWALK 5 (5)	3865.2 SQ FT
PC CONC SIDEWALK 5 (6)	4416.0 SQ FT
PC CONC SIDEWALK 5 (7)	960.1 SQ FT
PC CONC SIDEWALK 5 (8)	153.9 SQ FT
PC CONC SIDEWALK 5 (9)	7296.2 SQ FT
PC CONC SIDEWALK 5 (10)	2965.5 SQ FT
PC CONC SIDEWALK 5 (26)	33.6 SQ FT
PC CONC SIDEWALK 5 (27)	81.7 SQ FT

SIDEWALK REMOVAL	
NO.	AREA
SIDEWALK REMOVAL (7)	1135.6 SQ FT
SIDEWALK REMOVAL (8)	78.6 SQ FT
SIDEWALK REMOVAL (9)	36.5 SQ FT

DETECTABLE WARNINGS		
STATION	OFFSET	AREA
110+17	20 L	12 SF
117+90	26 L	20 SF
148+13	13 L	20 SF

CR ST PATH	
NO.	AREA
PATH CR ST 11	235.9 SQ YD
PATH CR ST 12	250.3 SQ YD
PATH CR ST 14	239.5 SQ YD

PCC MULTI-USE PATH	
NO.	AREA
PC CONC PATH 6 (6)	610.0 SQ FT



DESIGNED -- JHC	REVISED --
DRAWN -- JHC	REVISED --
CHECKED -- WDS	REVISED --
DATE -- 12/26/19	REVISED -- 07/11/20

**JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

QUANTITY SCHEDULES MULTI-USE PATH	
SCALE:	SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	5
CONTRACT NO. 99654				
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IDOT PLANS INCLUDE QUANTITIES PRIOR TO STA 108+39.16. LOCATIONS AND GRADES THIS AREA PER JALC PLANS

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 PROFESSIONAL DESIGN FIRM # 184-002885

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DATE — 03/27/20	REVISED — 07/11/20

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**STATE OF ILLINOIS**  
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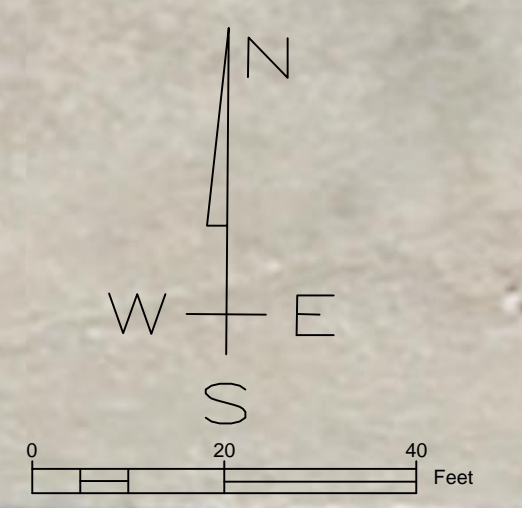
**PLAN**  
**MULTI-USE PATH**

SCALE: BAR SCALE SHEET 1 OF 7 SHEETS STA. 108+00.00 113+90.65

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00001-00-BT		WILLIAMSON	96	6
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



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**DEPARTMENT OF TRANSPORTATION**

**PLAN**  
**MULTI-USE PATH**

SCALE: SHEET 2 OF 7 SHEETS STA. 113+90.65 TO STA. 120+33.73

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00001-00-BT		WILLIAMSON	96	7
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



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DRAWN — JHC	REVISED —
CHECKED — WDS	REVISED —
DATE — 03/27/20	REVISED — 07/11/20

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**PLAN**  
**MULTI-USE PATH**

SCALE: SHEET 3 OF 7 SHEETS STA. 120+33.73 TO STA. 126+74.75

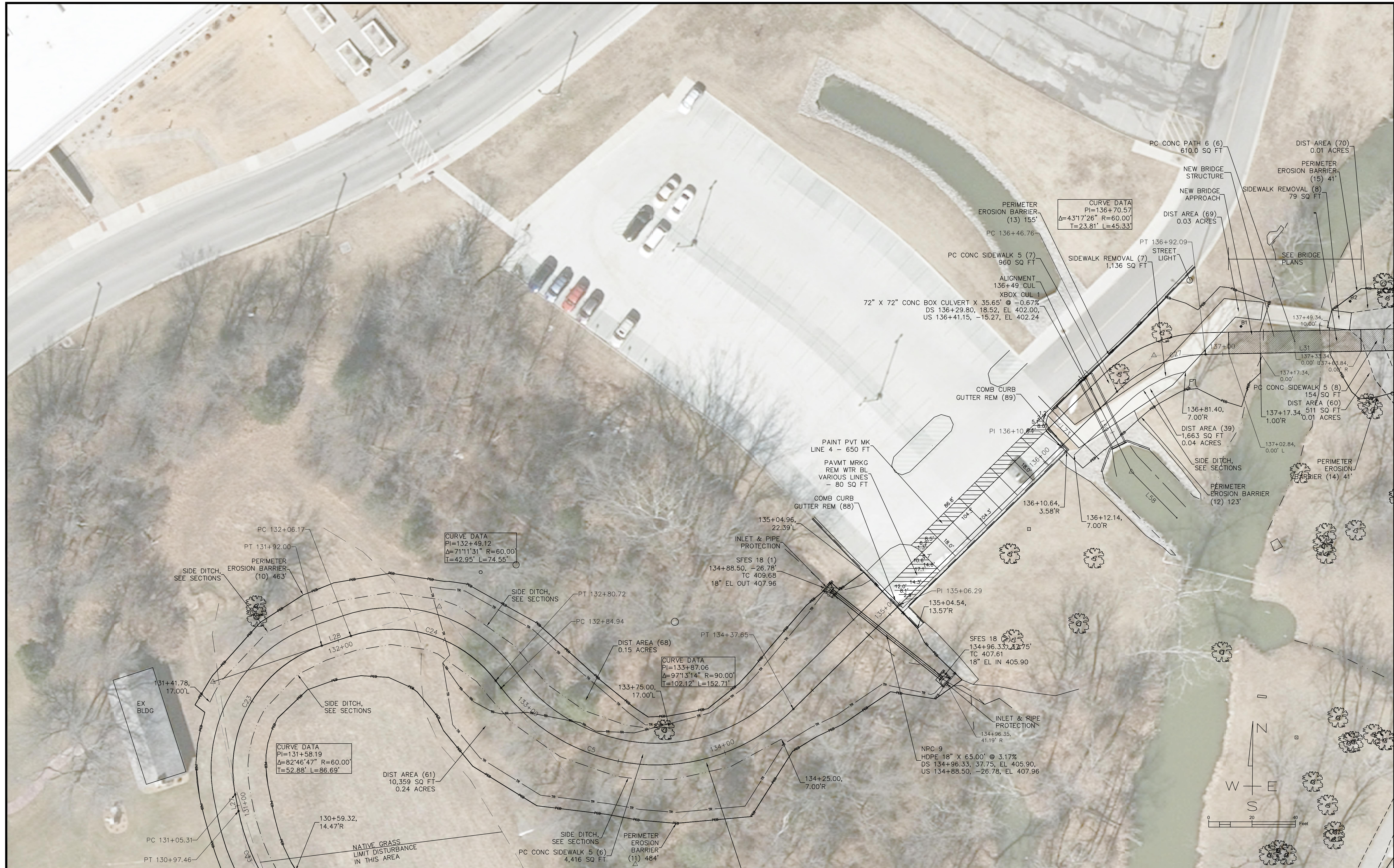
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00001-00-BT		WILLIAMSON	96	8
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				







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DRAWN — JHC	REVISED —
CHECKED — WDS	REVISED —
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**MULTI-USE PATH**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

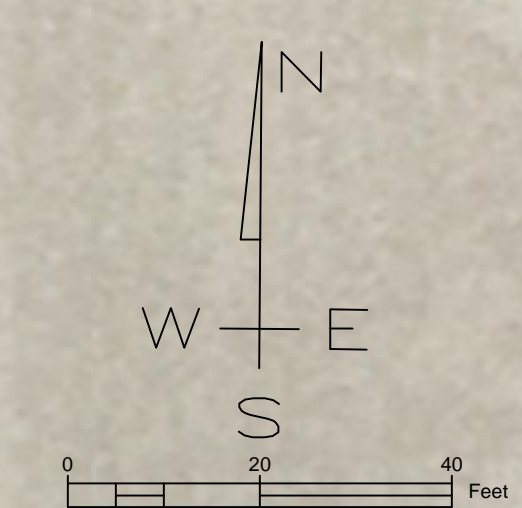
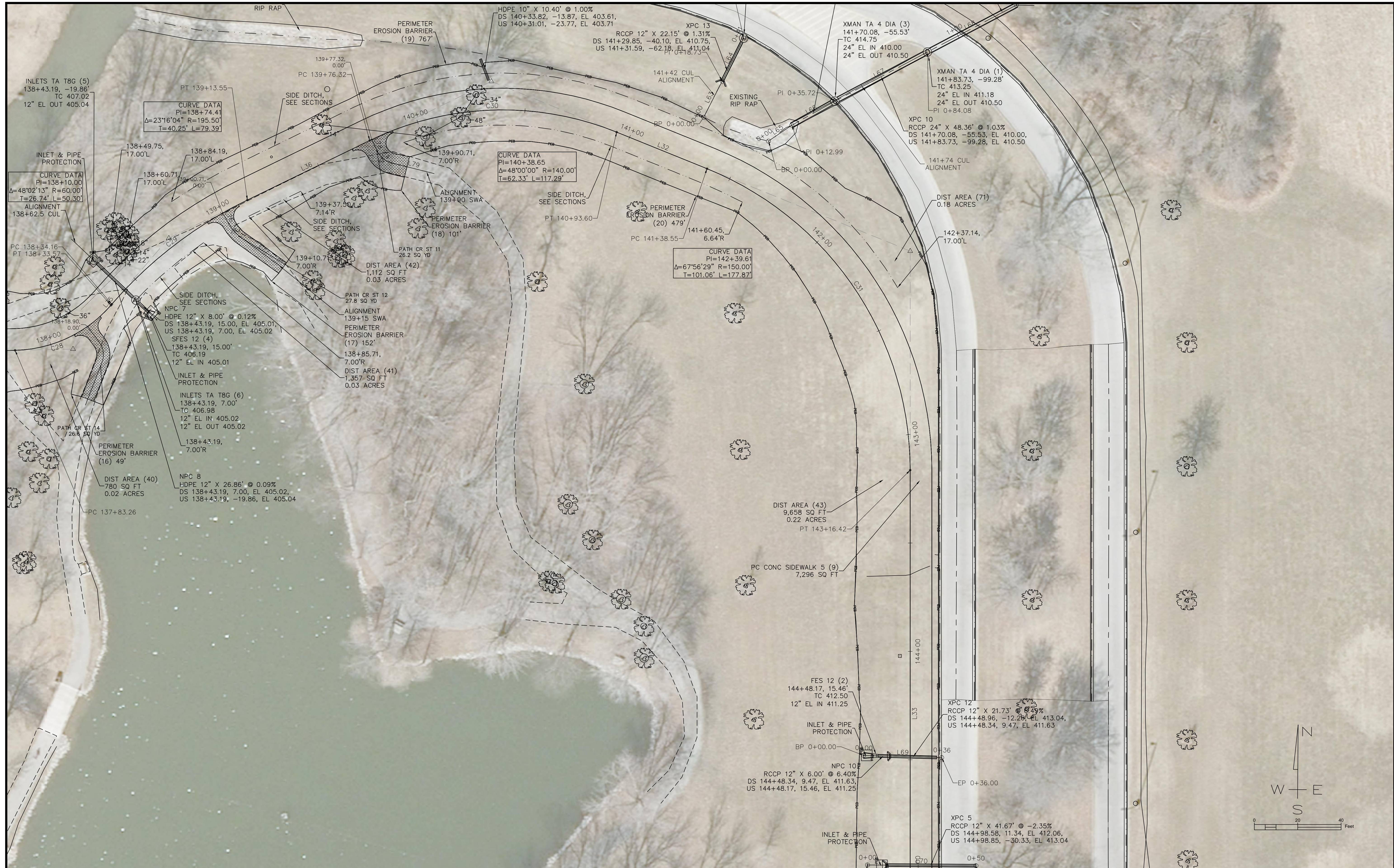
**PLAN**  
**MULTI-USE PATH**

SCALE: SHEET 5 OF 7 SHEETS STA. 126+74.75 TO STA. 137+92.24

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	10
ILLINOIS FED. AID PROJECT ONW6(427)			CONTRACT NO. 99654	



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CHECKED — WDS	REVISED —
DATE — 03/27/20	REVISED — 07/11/20

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

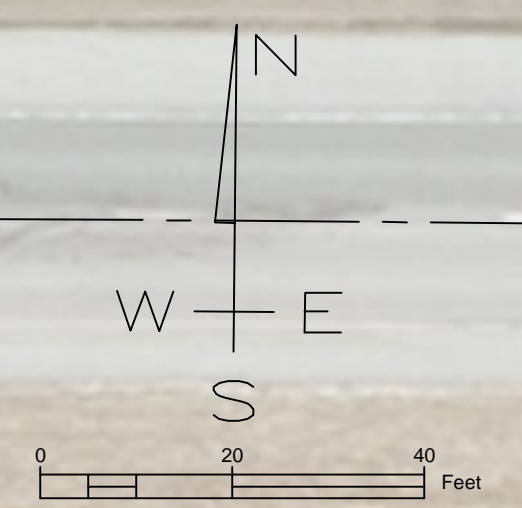
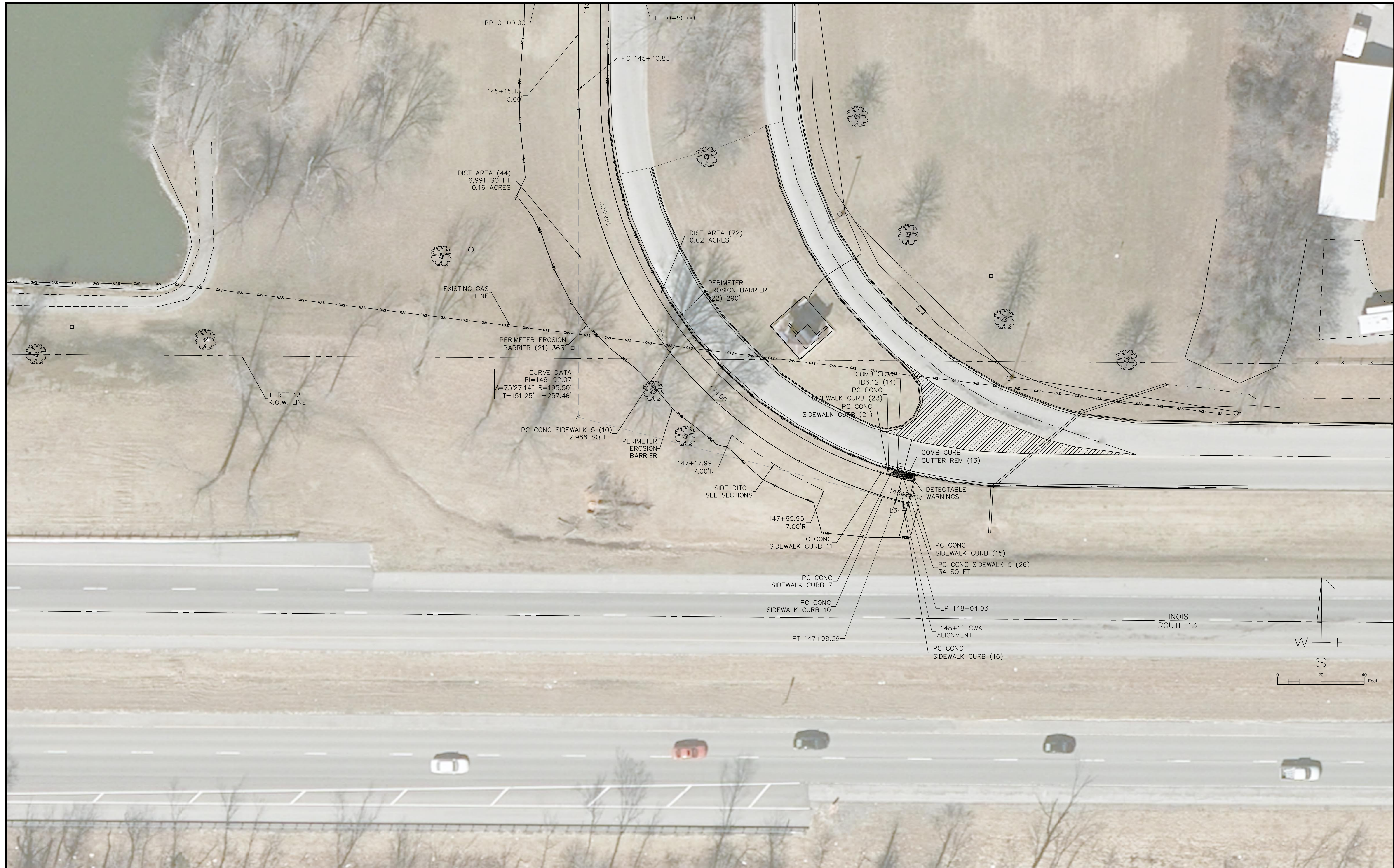
**PLAN**  
**MULTI-USE PATH**

SCALE: SHEET 6 OF 7 SHEETS STA. 137+92.24 TO STA. 145+15.18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	11
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



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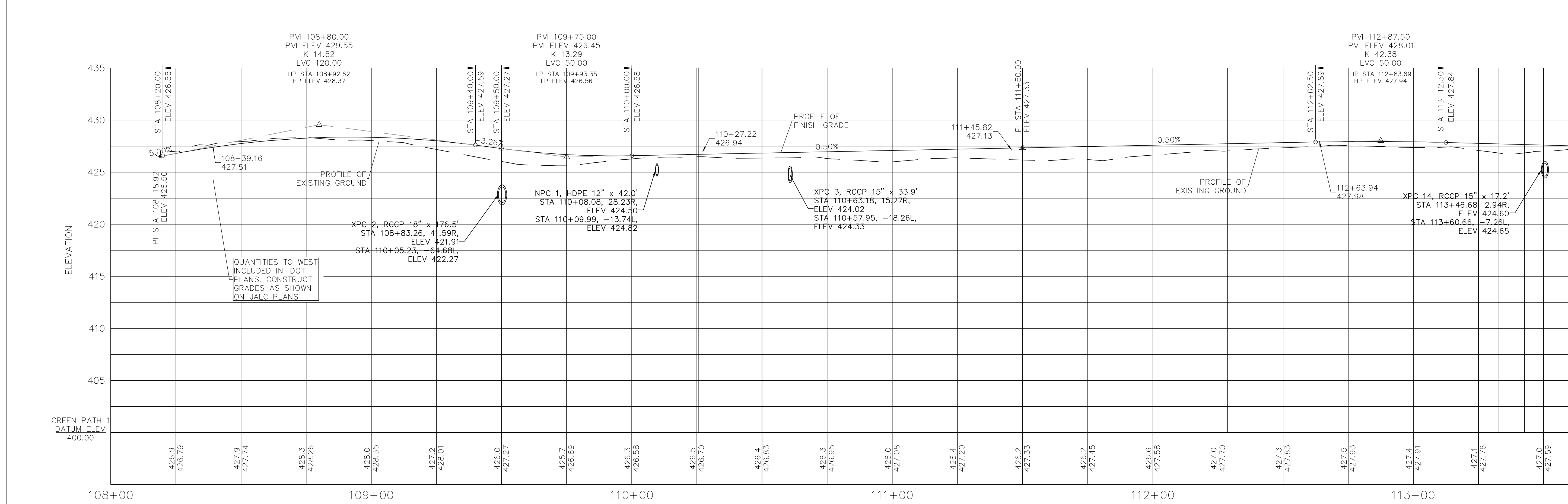
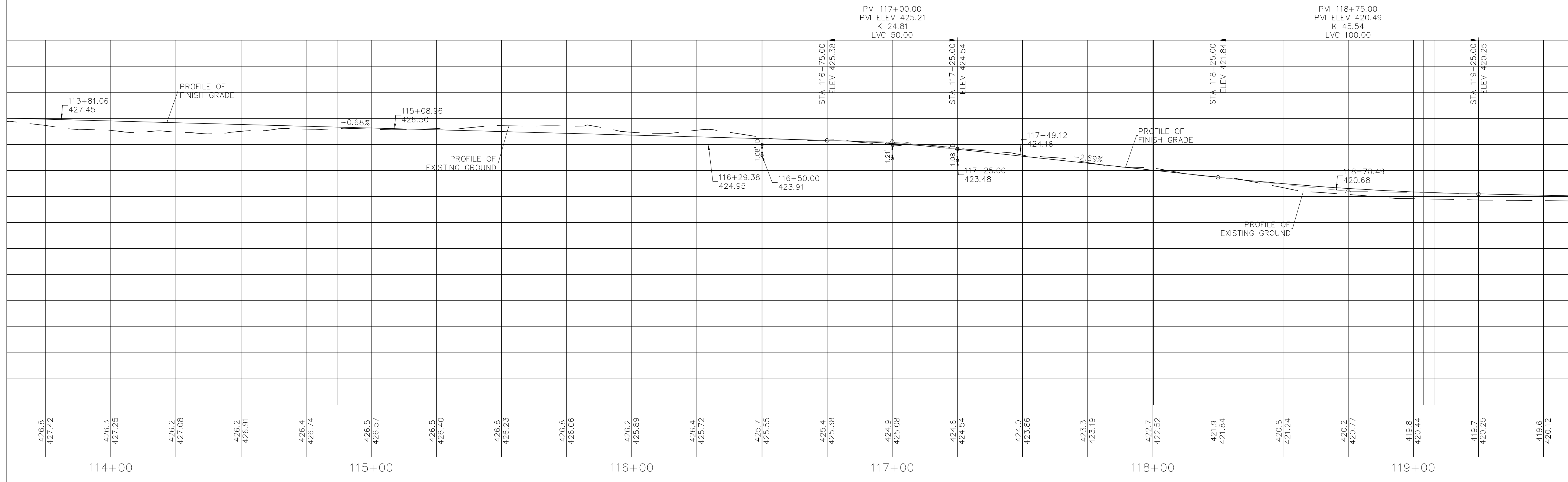
**JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
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**PLAN  
 MULTI-USE PATH**  
 SCALE: SHEET 7 OF 7 SHEETS STA. 145+15.18 TO STA. 148+18.32

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	12
CONTRACT NO. 99654				
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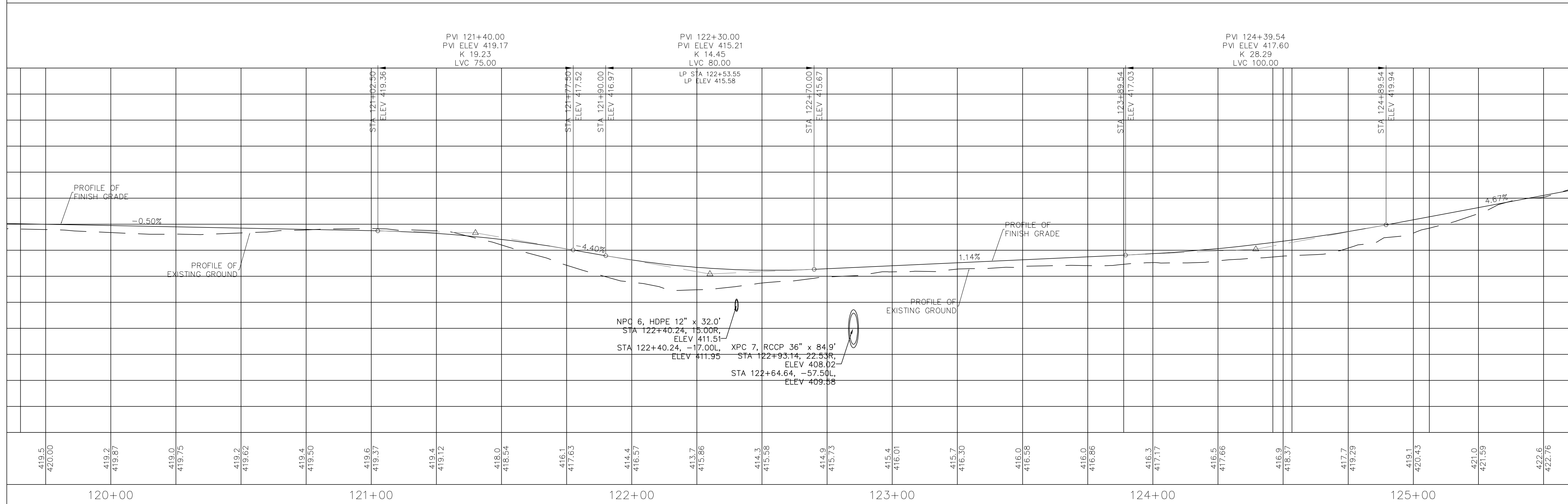
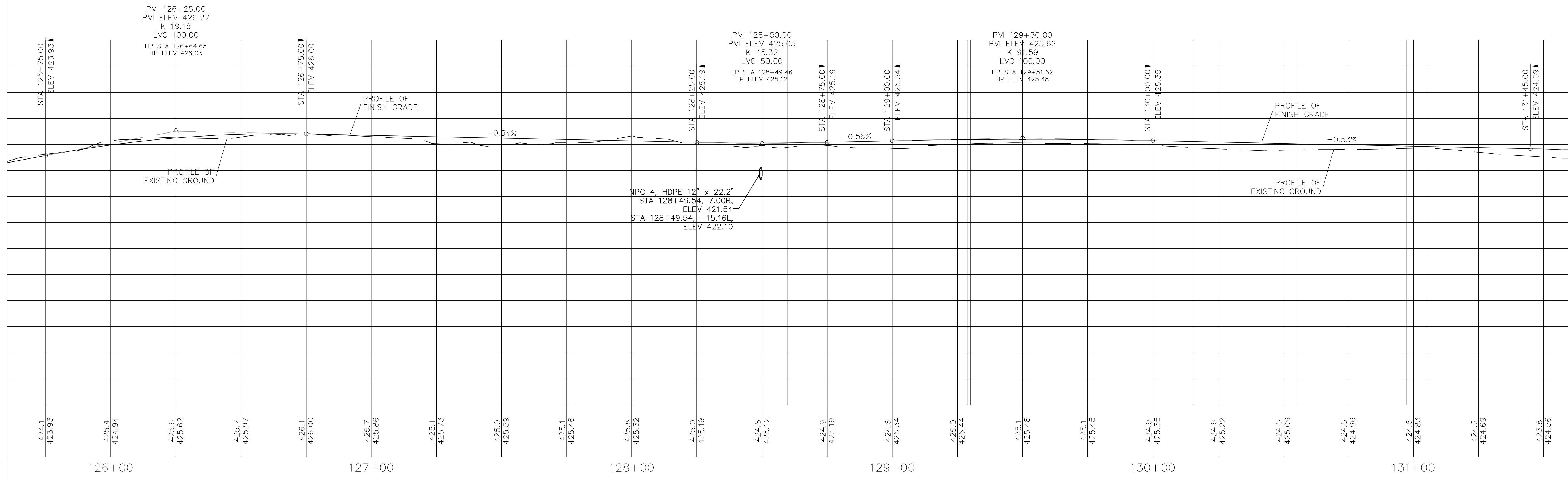
**PROFILES - PATH**  
**MULTI-USE PATH**

SCALE: SHEET 1 OF 4 SHEETS STA. 108+00 TO STA. 119+60

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	13
CONTRACT NO. 99654				
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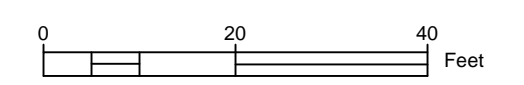
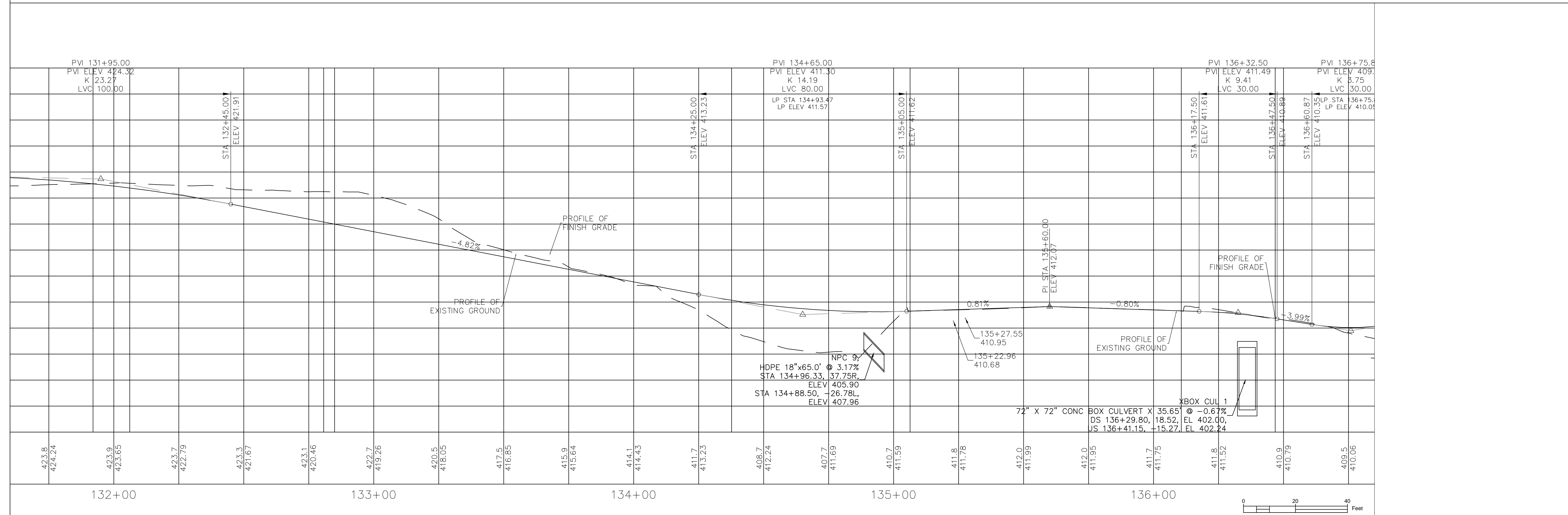
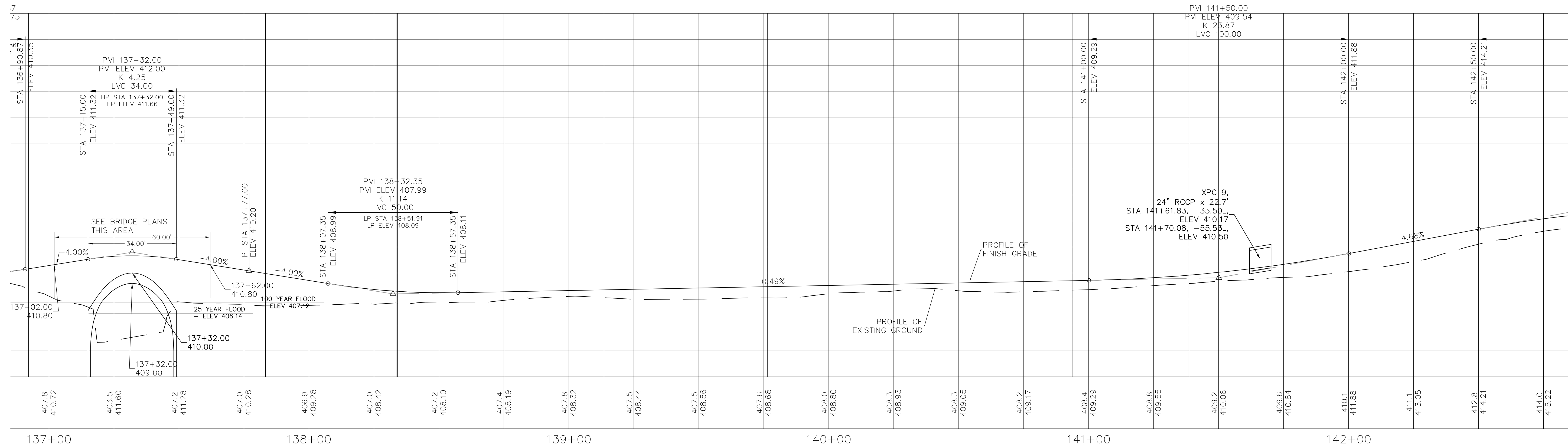
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**PROFILES - APPROACHES**  
**MULTI-USE PATH**

SCALE: SHEET 2 OF 4 SHEETS STA. 119+60 TO STA. 131+60

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	14
CONTRACT NO. 99654				
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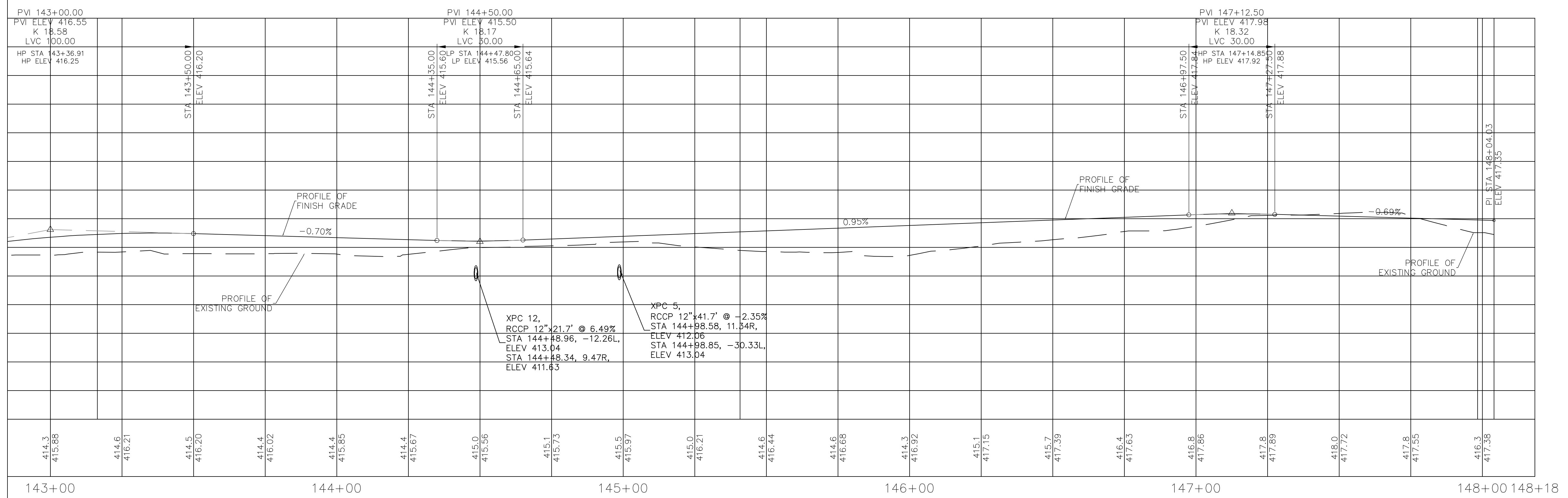
DESIGNED - JHC	REVISED -
DRAWN - JHC	REVISED -
CHECKED - WDS	REVISED -
DATE - 03/27/20	REVISED - 07/11/20

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**PROFILES - APPROACHES**  
**MULTI-USE PATH**

SCALE: SHEET 3 OF 4 SHEETS STA. 131+60 TO STA. 142+85

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	15
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



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 PROFESSIONAL DESIGN FIRM # 184-002885

DESIGNED - JHC  
 DRAWN - JHC  
 CHECKED - WDS  
 DATE - 03/27/20

REVISED -  
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 REVISED -  
 REVISED - 07/11/20

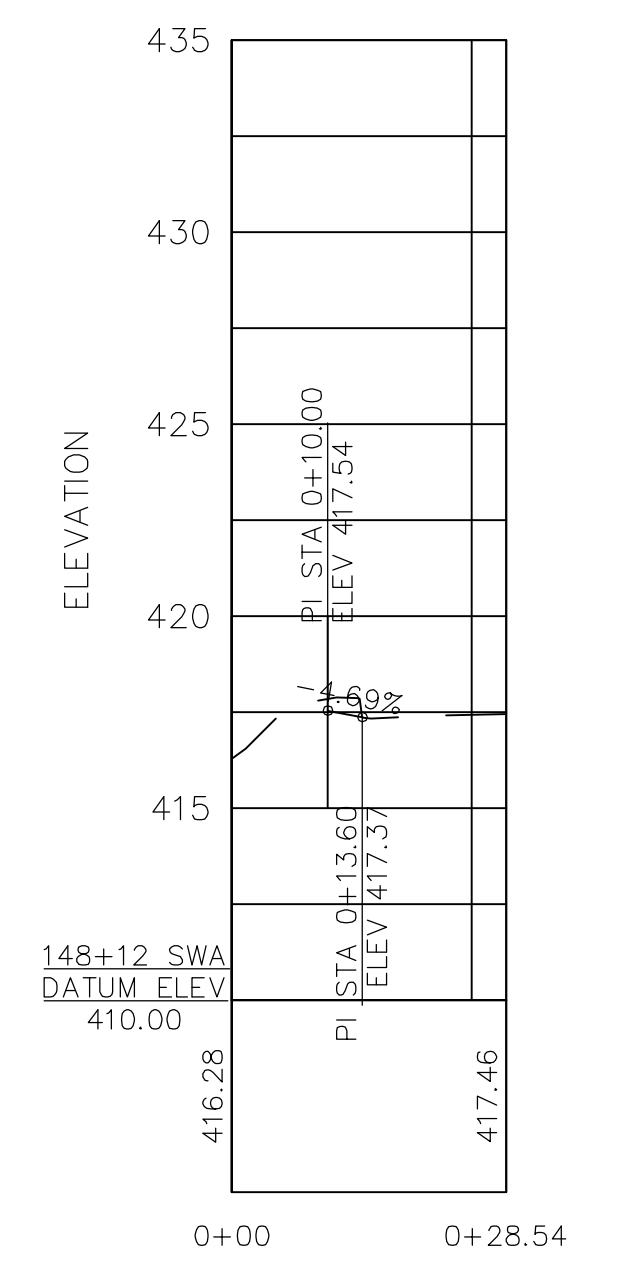
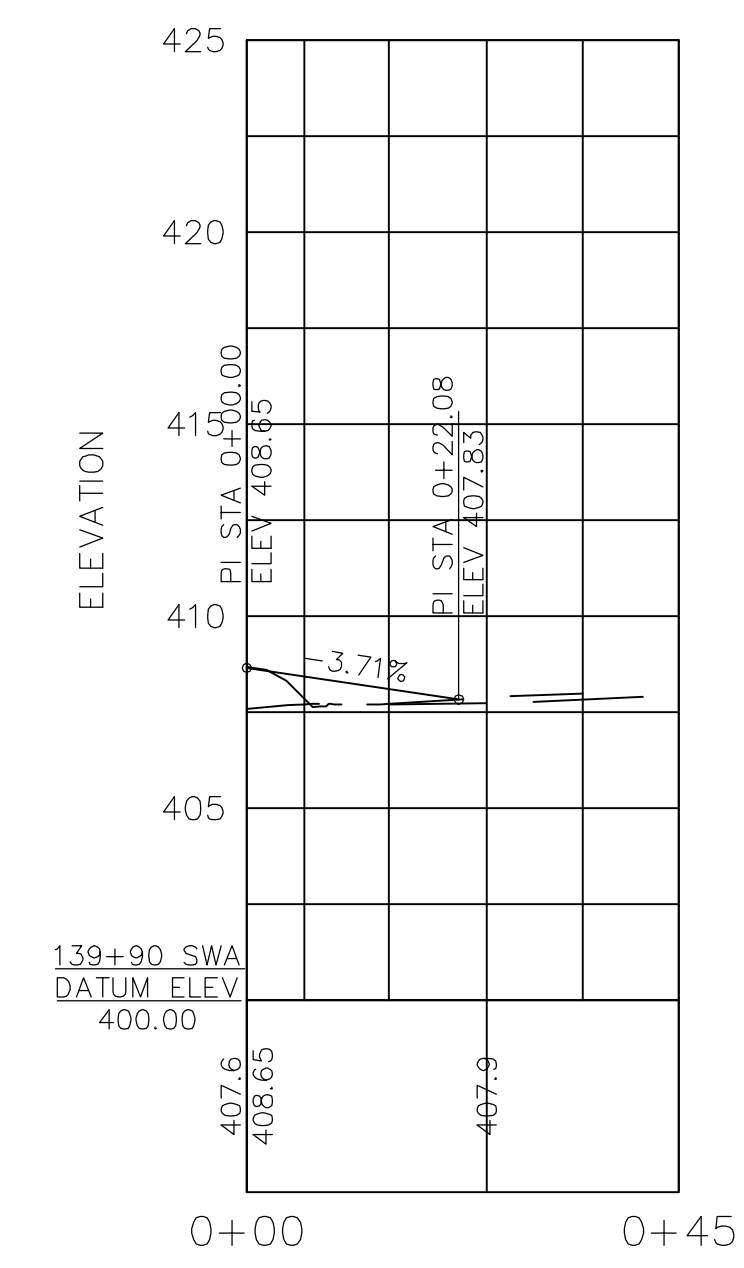
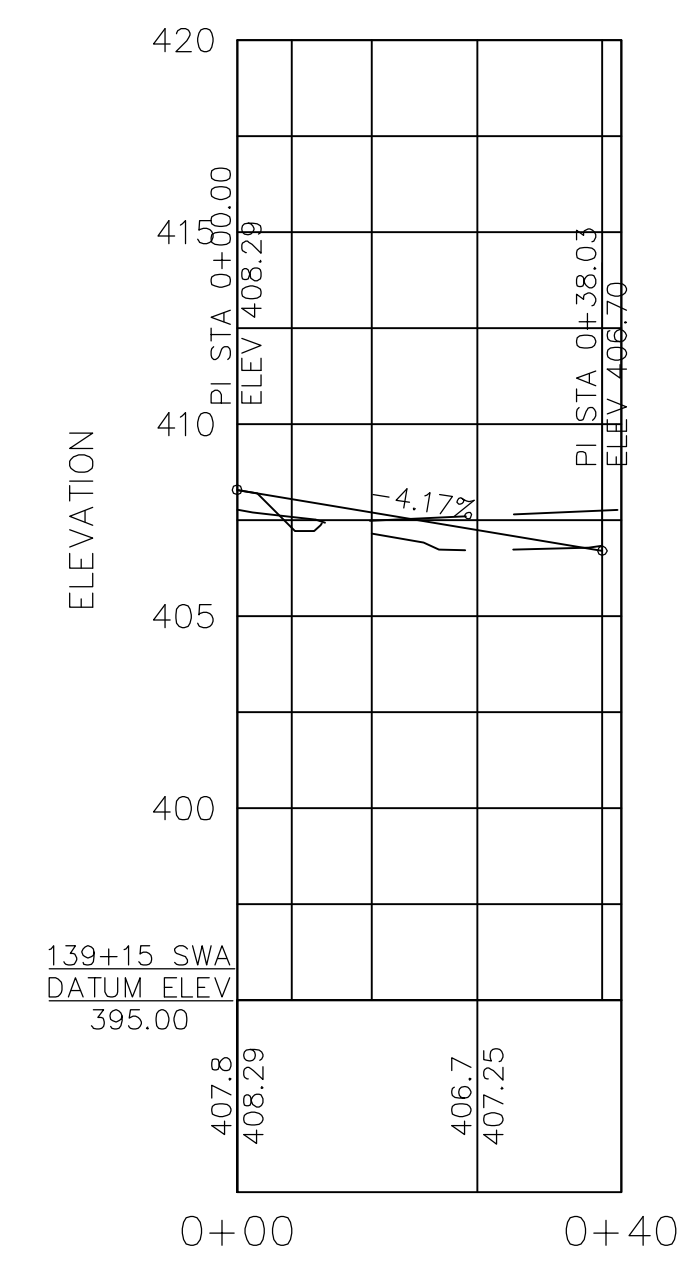
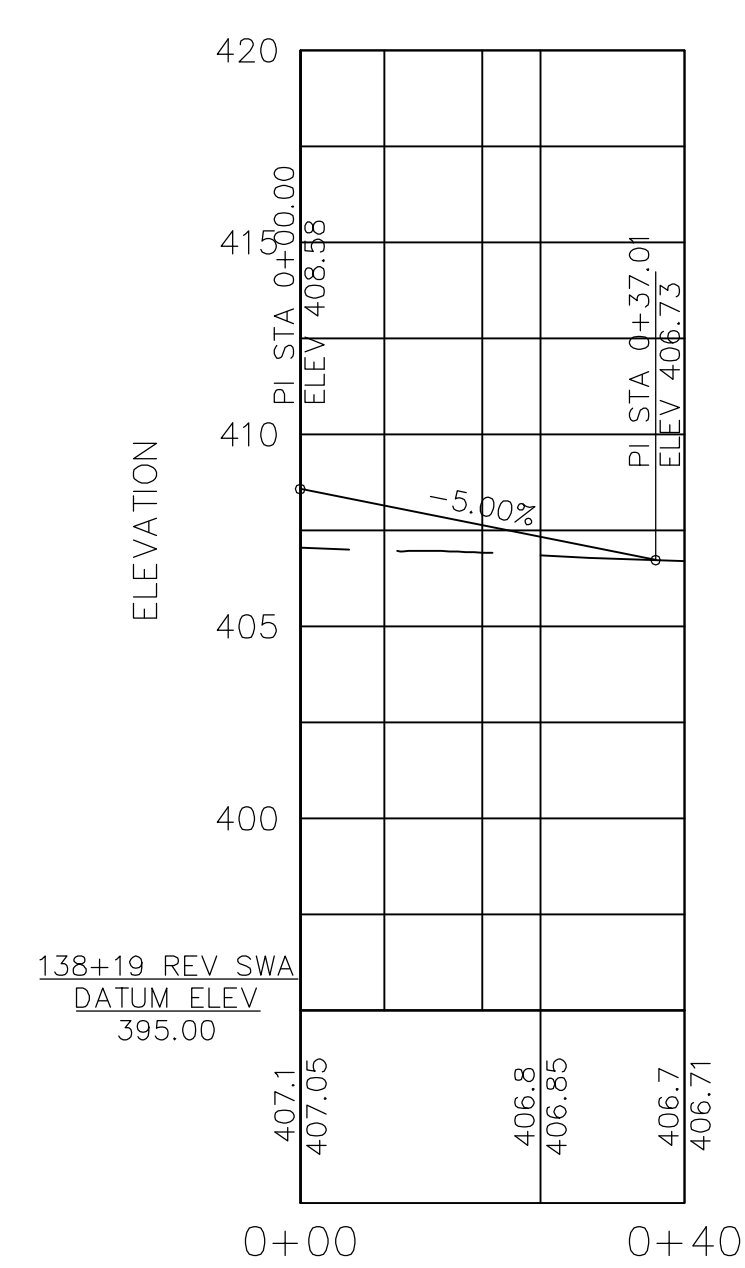
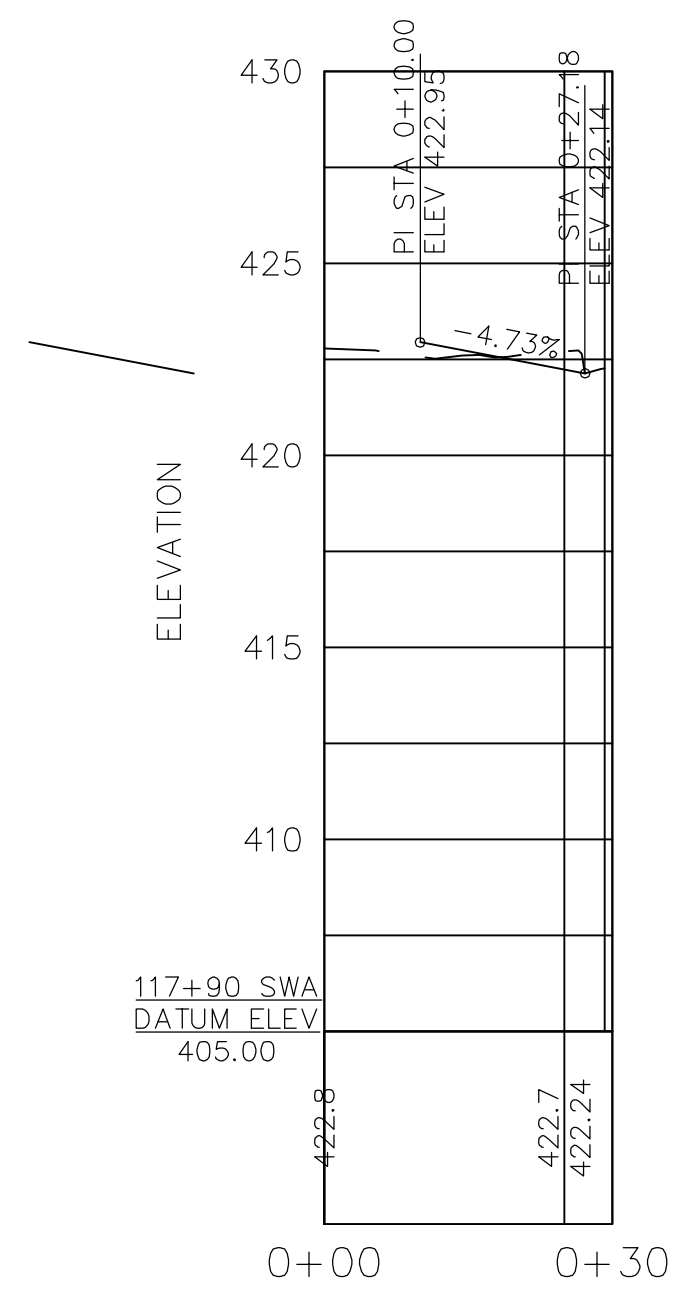
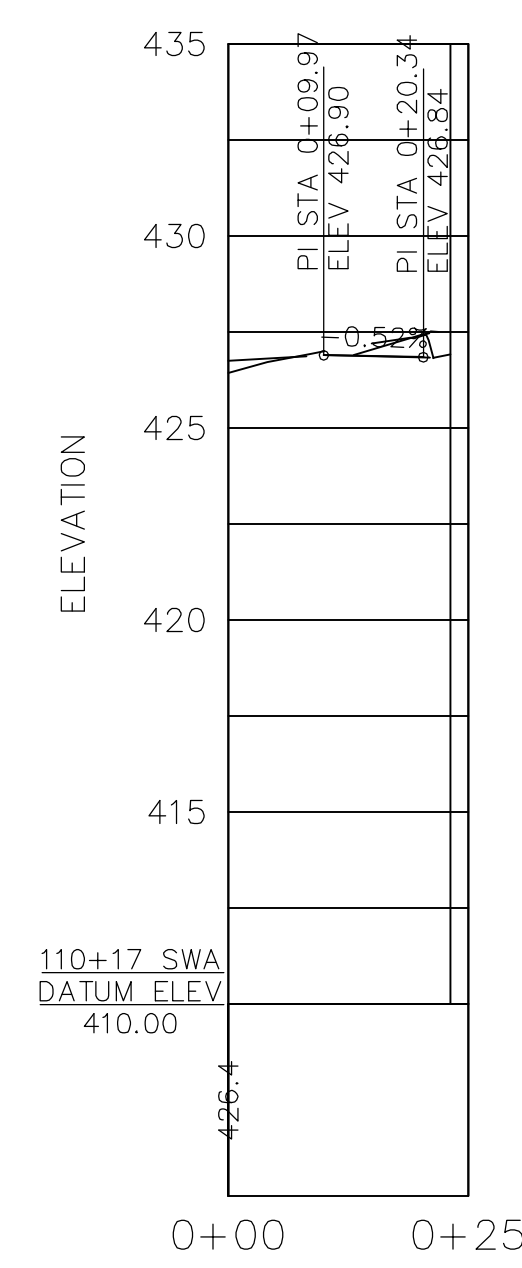
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**DEPARTMENT OF TRANSPORTATION**

**PROFILES - APPROACHES**  
**MULTI-USE PATH**

SCALE: SHEET 4 OF 4 SHEETS STA. 142+85 TO STA. 148+18.32

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	16
CONTRACT NO. 99654				
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 PROFESSIONAL DESIGN FIRM # 184-002885

DESIGNED - JHC  
 DRAWN - JHC  
 CHECKED - WDS  
 DATE - 03/27/20

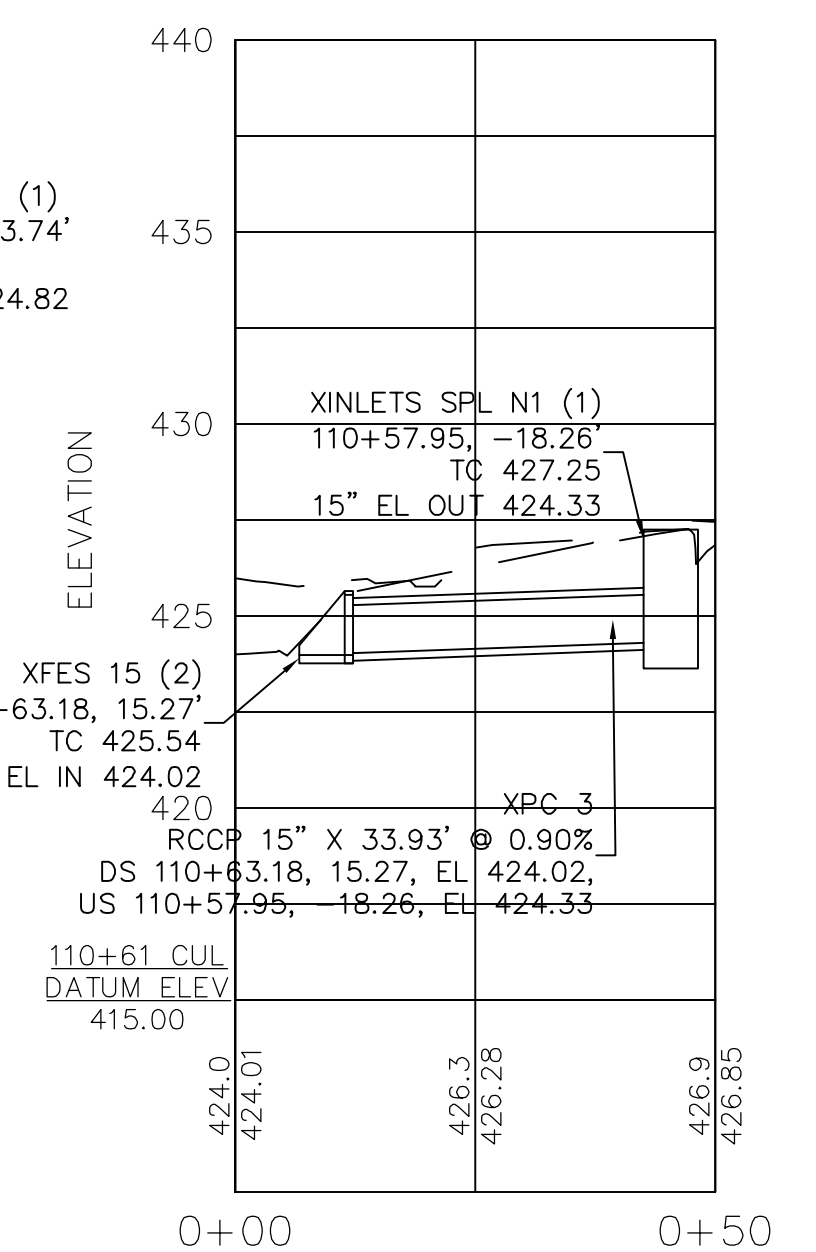
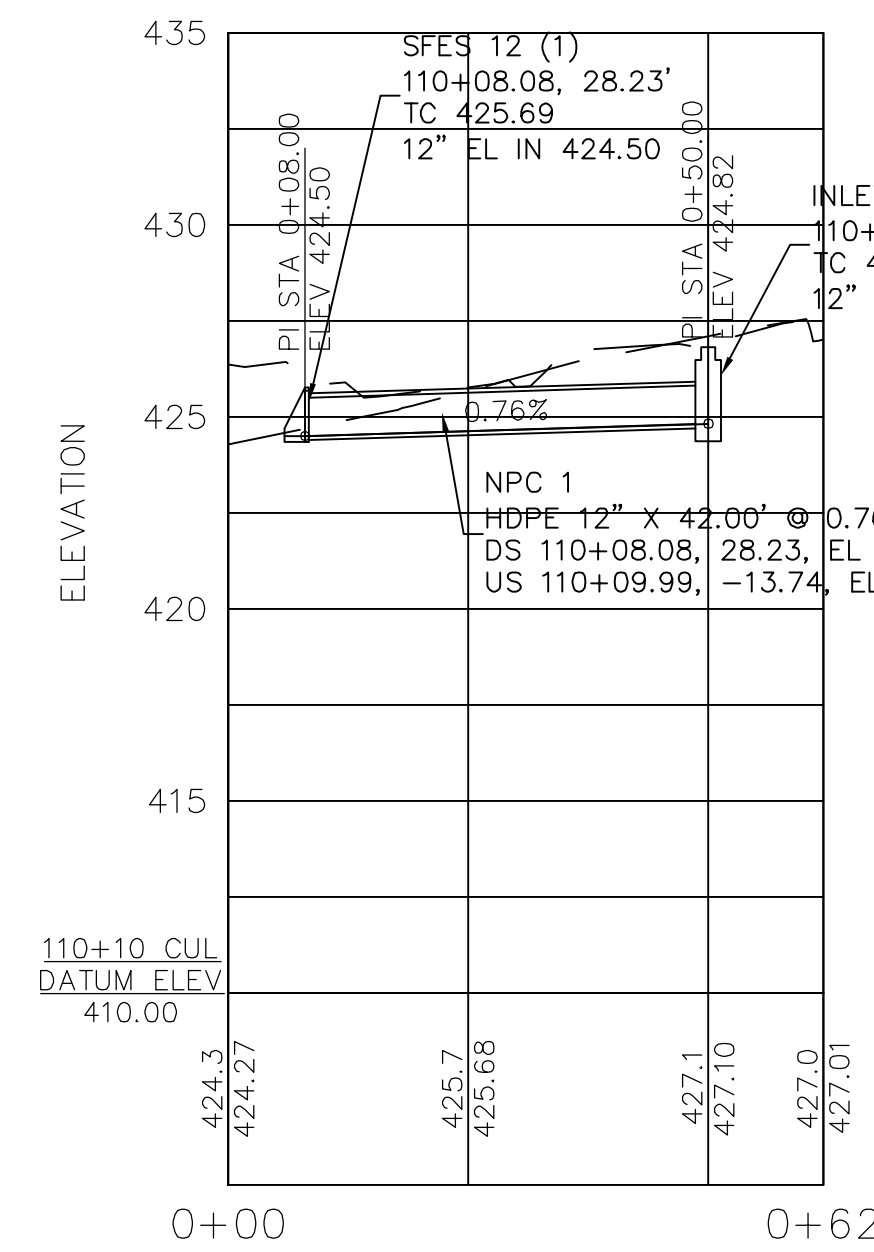
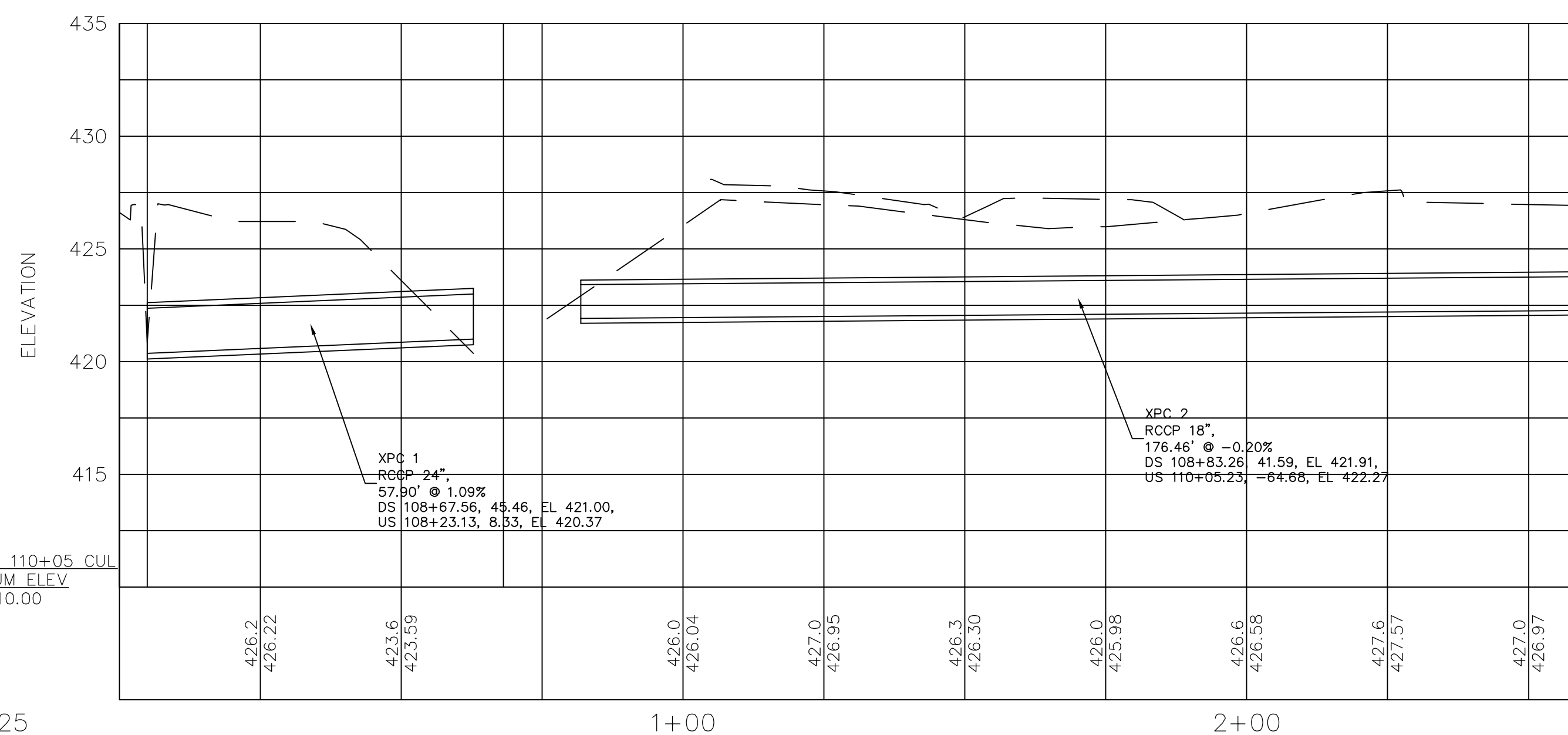
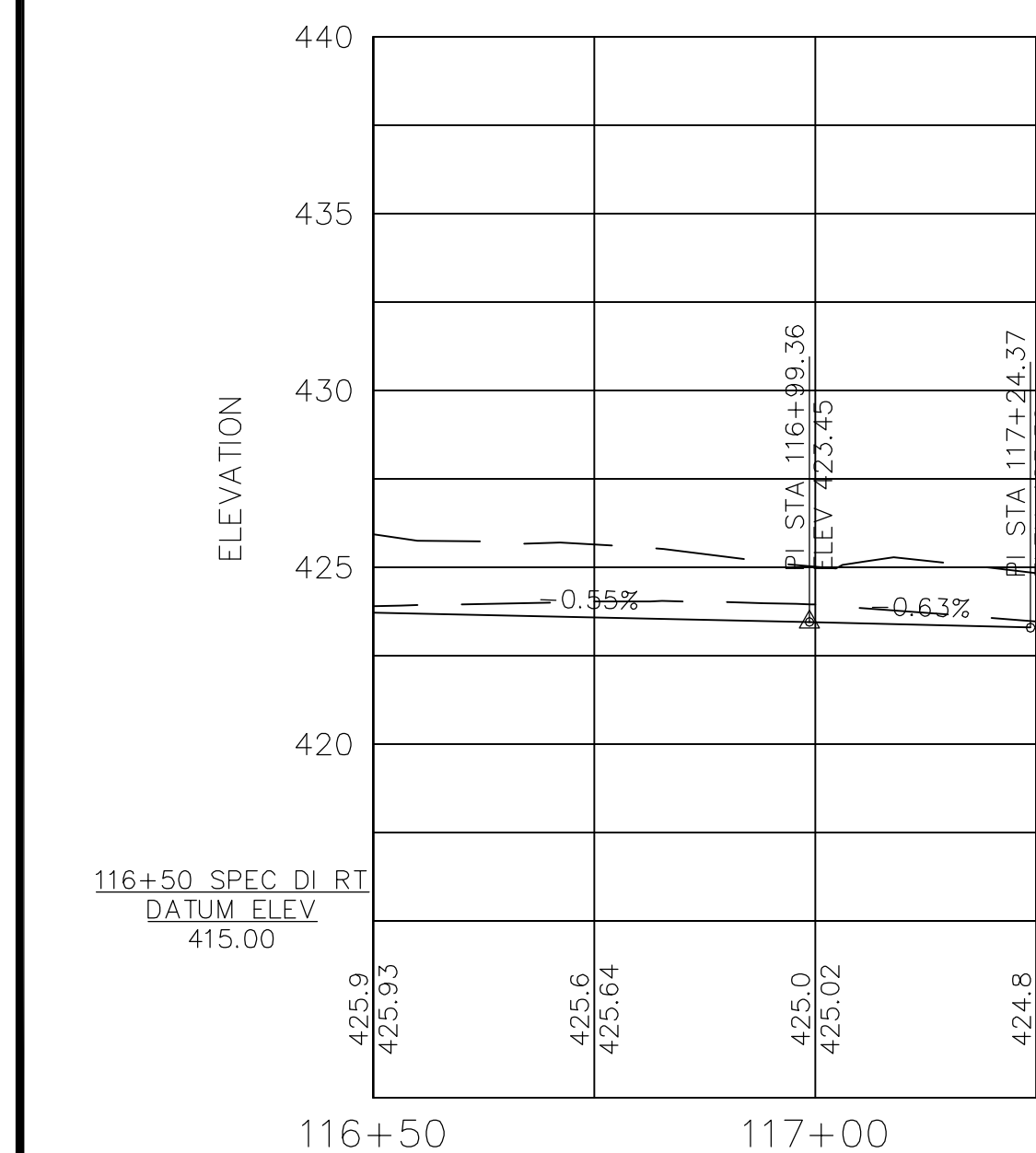
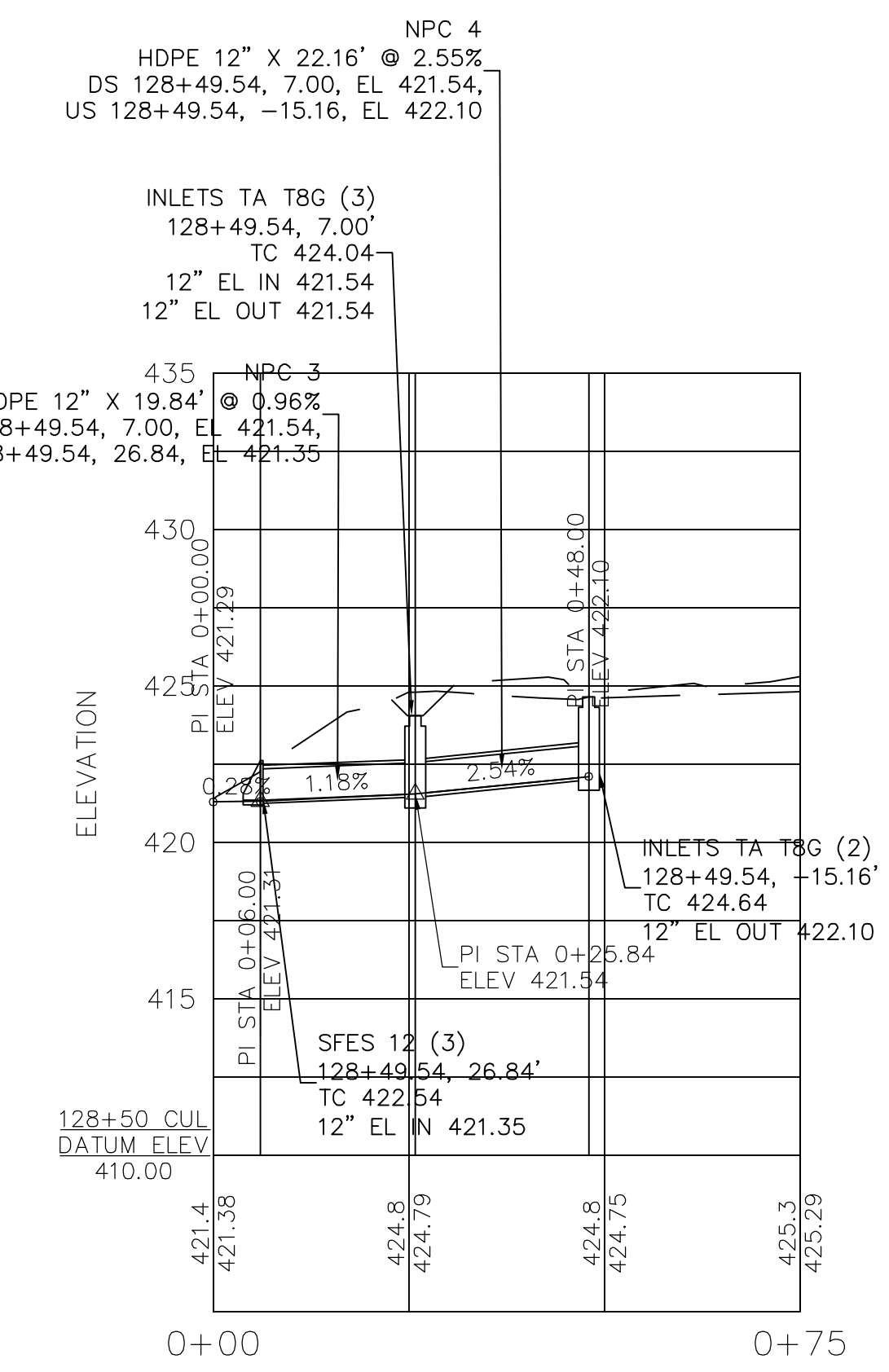
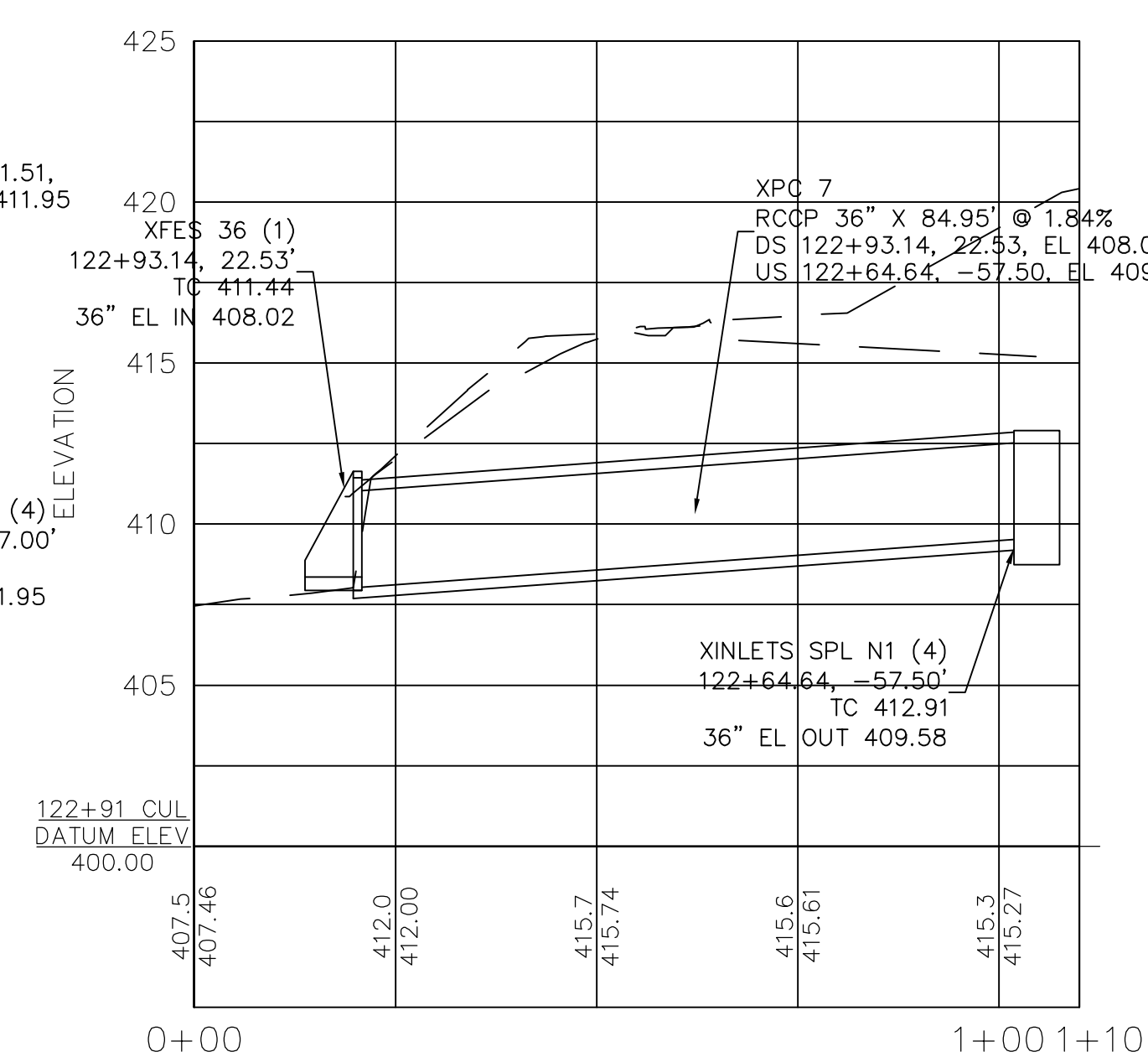
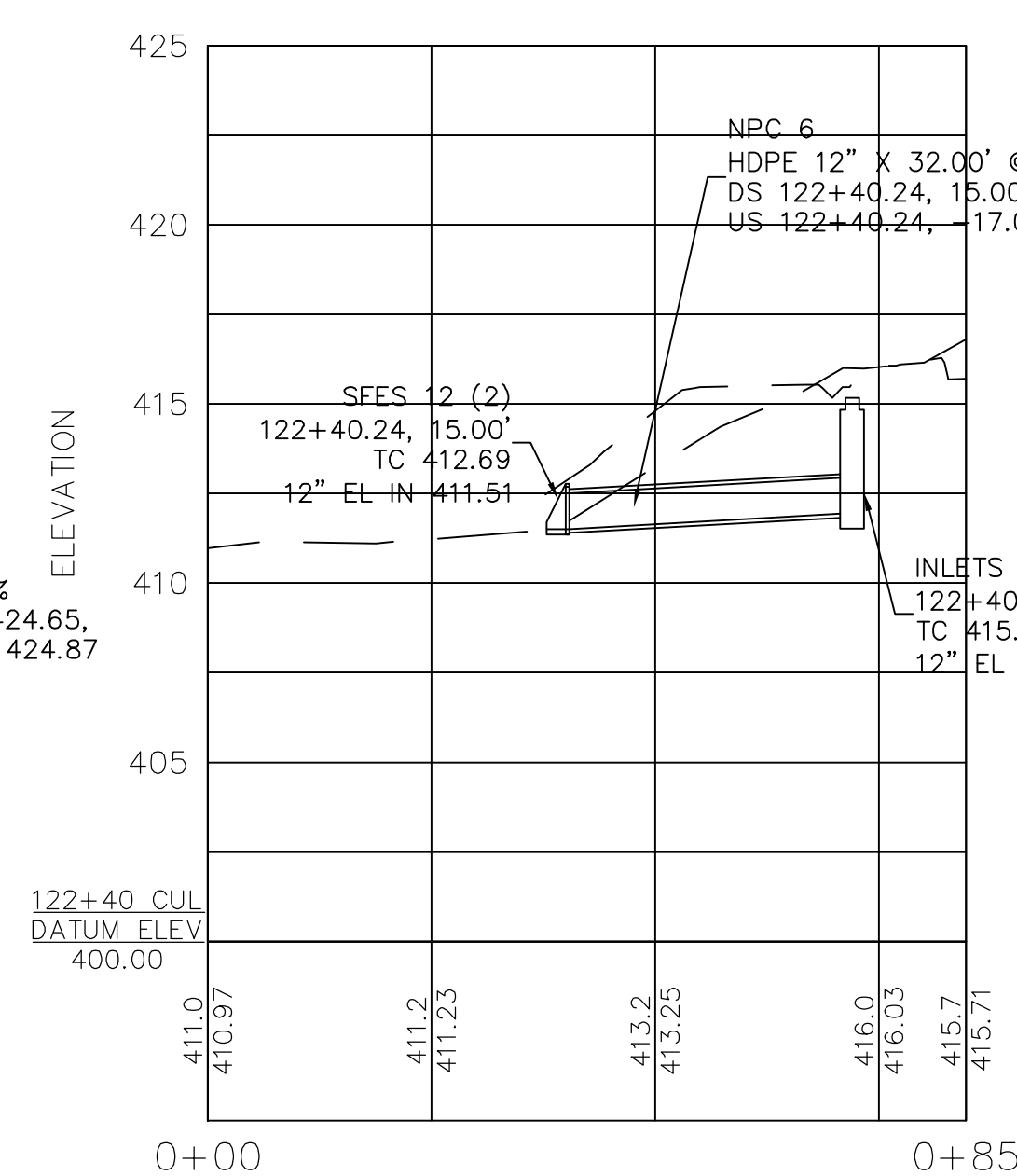
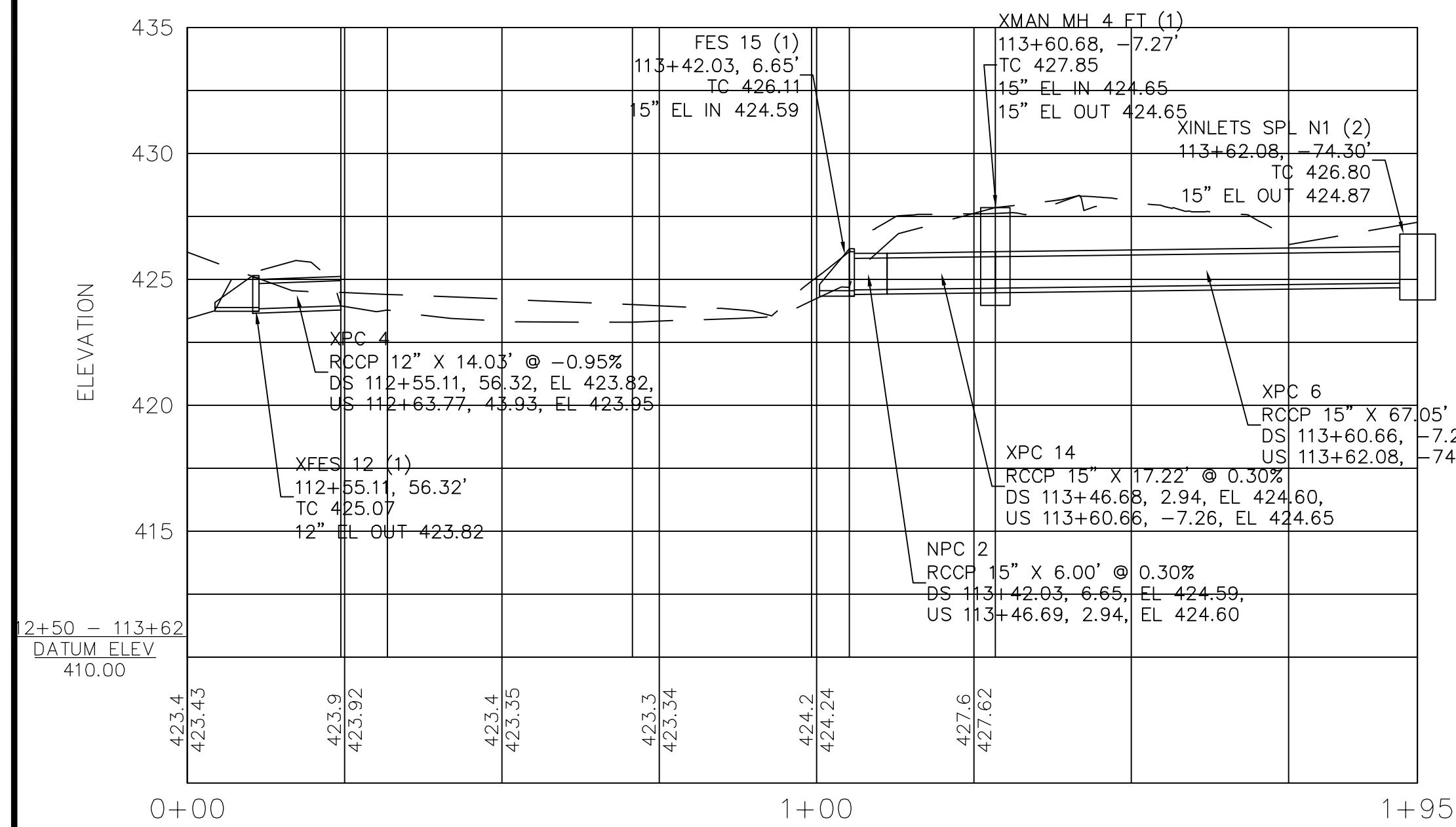
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 REVISED - 07/11/20

**JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

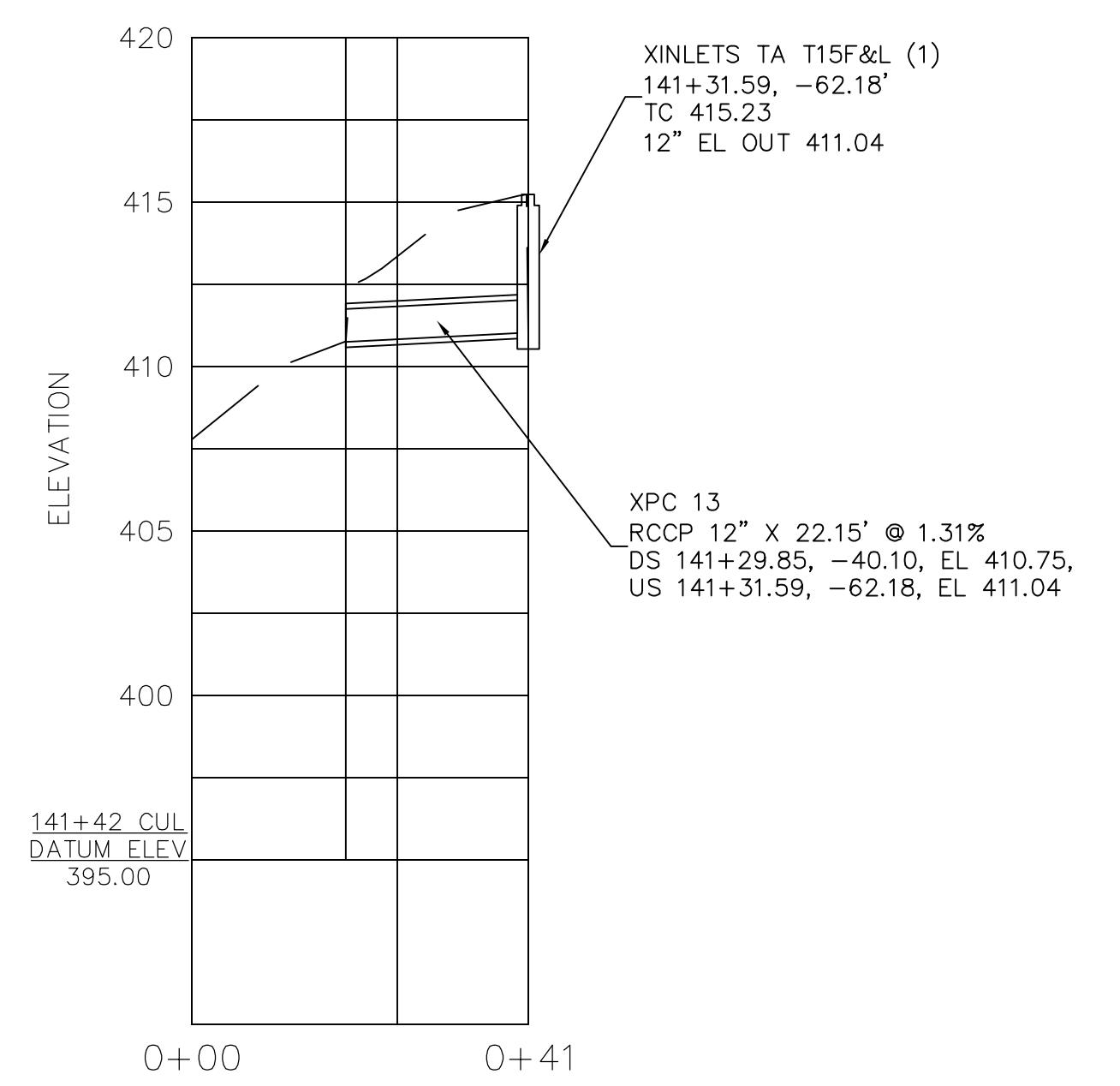
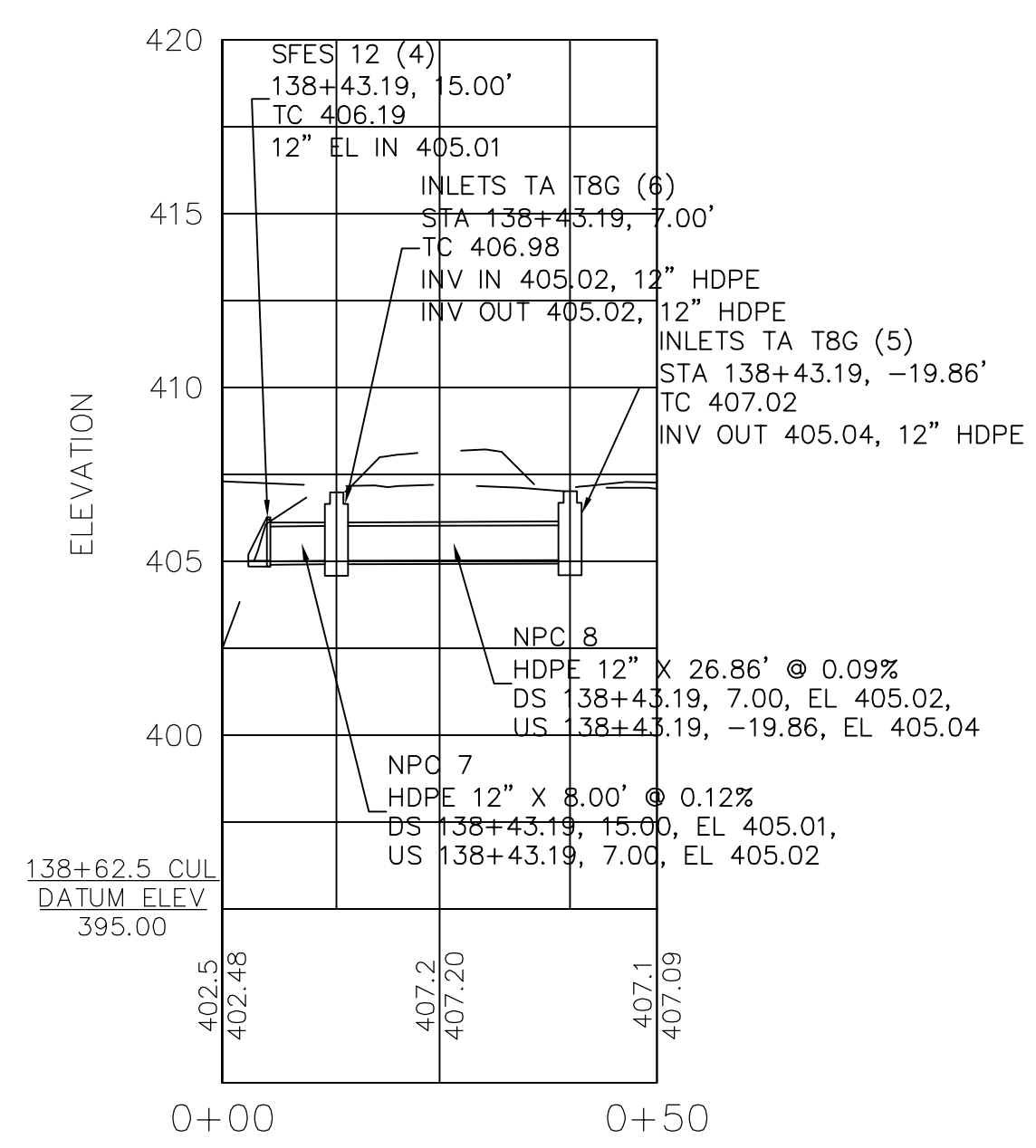
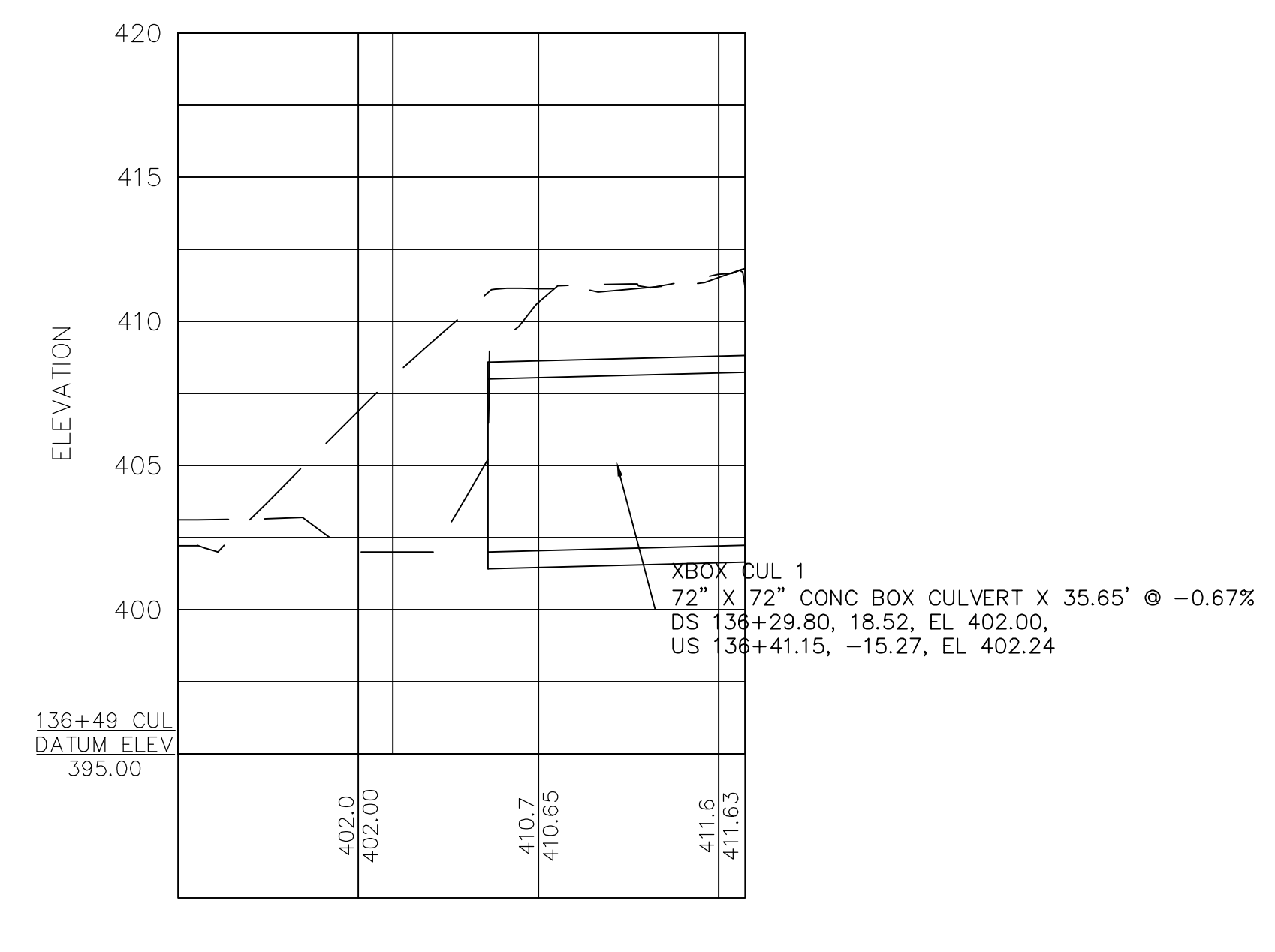
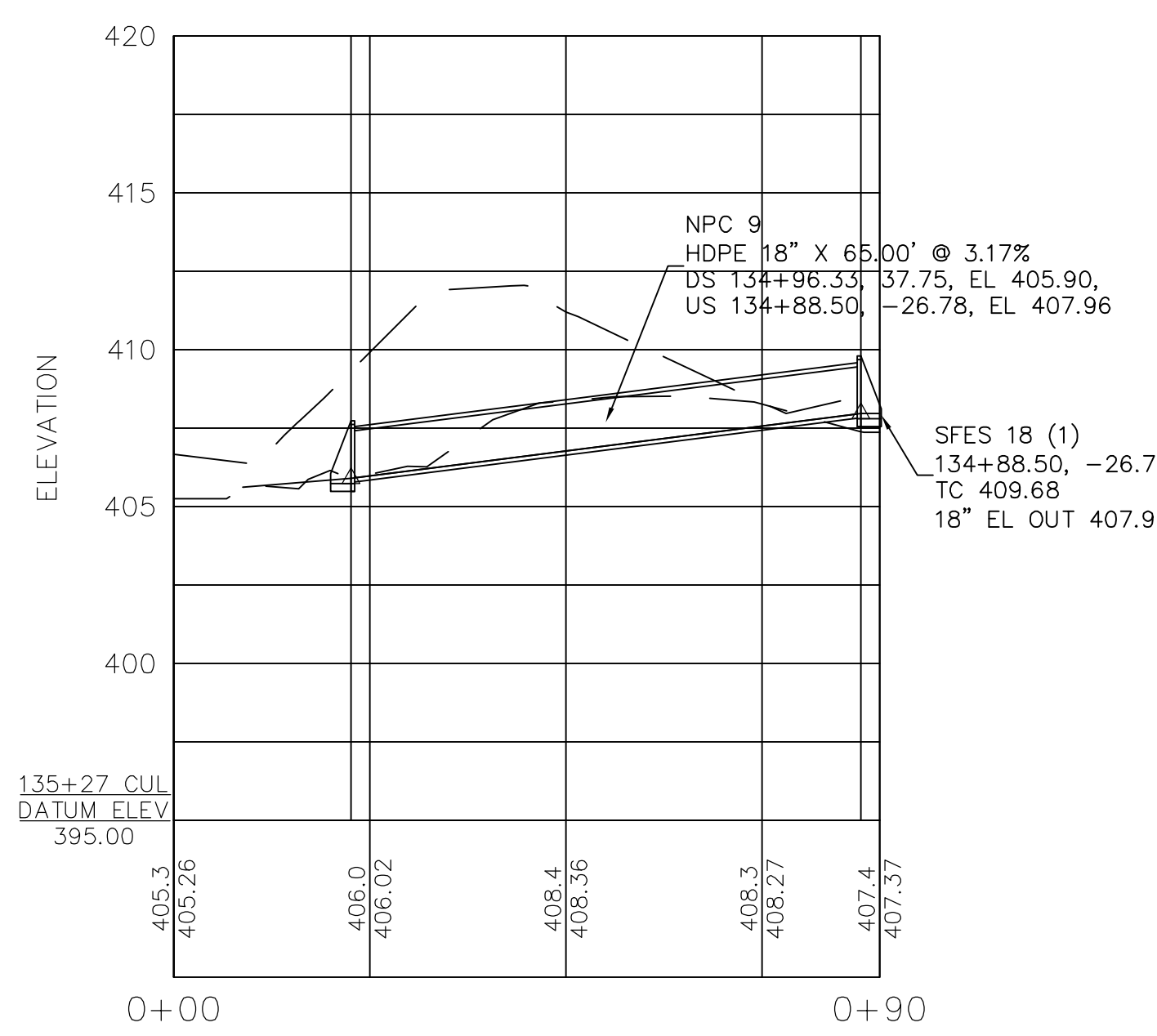
**SIDEWALK APPROACHE PROFILES  
 MULTI-USE PATH**

SCALE: BAR SCALE SHEET 1 OF 1 SHEETS STA. 12+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	17
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



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**JOHN H. CRAWFORD & ASSOCIATES, P.C.**  
 CIVIL ENGINEERS, LAND SURVEYORS  
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62918  
 PHONE (618) 985-6370 FAX (618) 985-4692  
 PROFESSIONAL DESIGN FIRM # 184-002885

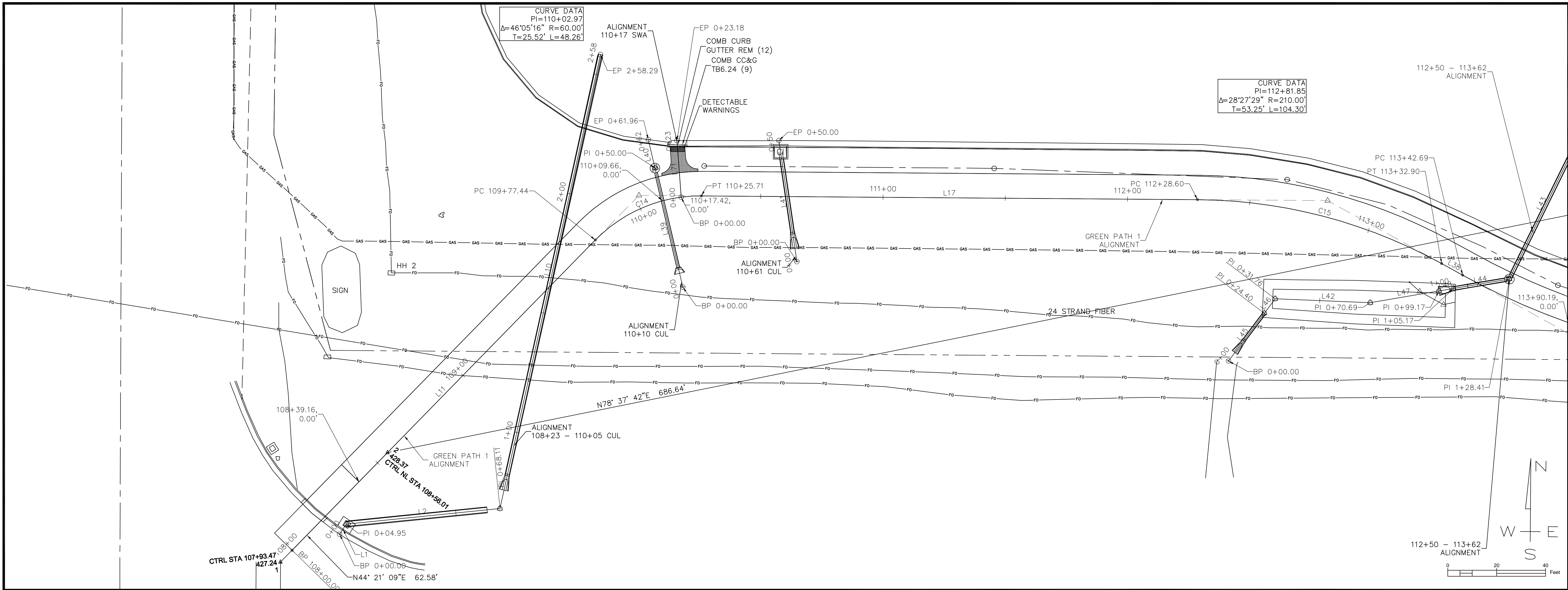
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DRAWN	- JHC	REVISED	-
CHECKED	- WDS	REVISED	-
DATE	- 03/27/20	REVISED	- 07/11/20

**JOHN A LOGAN COLLEGE**  
**MULTI-USE PATH**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROFILES - CULVERTS**  
**MULTI-USE PATH**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	19
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



GREEN PATH 1							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L11	108+00.00	393610.69 763864.33		177.44	N44° 20' 56"E	109+77.44	393737.58 763988.37
C14	109+77.44	393737.58 763988.37	60.00	48.26	N67° 23' 34"E	110+25.71	393755.64 764031.73
L17	110+25.71	393755.64 764031.73		202.89	S89° 33' 48"E	112+28.60	393754.09 764234.62
C15	112+28.60	393754.09 764234.62	210.00	104.30	S75° 20' 04"E	113+32.90	393727.95 764334.49
L38	113+32.90	393727.95 764334.49		9.79	S61° 06' 19"E	113+42.69	393723.22 764343.06
C16	113+42.69	393723.22 764343.06	290.00	144.17	S75° 20' 49"E	114+86.86	393687.13 764481.11
L18	114+86.86	393687.13 764481.11		313.47	S89° 35' 18"E	118+00.32	393684.88 764794.56
C17	118+00.32	393684.88 764794.56	490.00	103.48	N84° 21' 42"E	119+03.80	393695.02 764897.35
L19	119+03.80	393695.02 764897.35		4.17	N78° 18' 41"E	119+07.98	393695.87 764901.44
C18	119+07.98	393695.87 764901.44	280.00	57.34	N84° 10' 41"E	119+65.32	393701.68 764958.39
L20	119+65.32	393701.68 764958.39		423.49	S89° 57' 20"E	123+88.81	393701.35 765381.87
C19	123+88.81	393701.35 765381.87	280.00	57.28	S84° 05' 41"E	124+46.09	393695.46 765438.75
L22	124+46.09	393695.46 765438.75		7.35	S78° 14' 03"E	124+53.44	393693.96 765445.95
C20	124+53.44	393693.96 765445.95	290.00	52.70	S83° 26' 24"E	125+06.14	393687.95 765498.23

GREEN PATH 1							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L24	125+06.14	393687.95 765498.23		353.78	S88° 38' 45"E	128+59.92	393679.59 765851.91
C41	128+59.92	393679.59 765851.91	70.00	68.81	N63° 11' 35"E	129+28.73	393709.39 765910.89
L25	129+28.73	393709.39 765910.89		1.15	N35° 01' 54"E	129+29.87	393710.33 765911.54
C22	129+29.87	393710.33 765911.54	70.00	85.91	N0° 07' 40"W	130+15.79	393790.95 765911.36
L26	130+15.79	393790.95 765911.36		39.66	N35° 17' 14"W	130+55.44	393823.32 765911.36
C33	130+55.44	393823.32 765911.36	100.00	42.02	N23° 15' 00"W	130+97.46	393861.64 765871.99
L27	130+97.46	393861.64 765871.99		7.85	N11° 12' 46"W	131+05.31	393869.34 765870.46
C23	131+05.31	393869.34 765870.46	60.00	86.69	N30° 10' 38"E	131+92.00	393937.93 765910.35
L28	131+92.00	393937.93 765910.35		14.17	N71° 34' 02"E	132+06.17	393942.41 765923.79
C24	132+06.17	393942.41 765923.79	60.00	74.55	S72° 50' 13"E	132+80.72	393921.80 765990.53
C5	132+84.94	393918.44 765993.08	90.00	152.71	S85° 51' 05"E	134+37.65	393908.67 766127.77
C27	136+46.76	394055.14 766277.01	60.00	45.33	N67° 11' 01"E	136+92.09	394072.30 766317.81
L31	136+92.09	394072.30 766317.81		91.17	N88° 49' 45"E	137+83.26	394074.17 766408.97
C28	137+83.26	394074.17 766408.97	60.00	50.30	N64° 48' 38"E	138+33.57	394094.96 766453.16

GREEN PATH 1							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L35	138+33.57	394094.96 766453.16		0.59	N40° 47' 31"E	138+34.16	394095.40 766453.55
C29	138+34.16	394095.40 766453.55	195.50	79.39	N52° 25' 33"E	139+13.55	394143.48 766516.04
L36	139+13.55	394143.48 766516.04		62.76	N64° 03' 36"E	139+76.32	394170.94 766572.48
C30	139+76.32	394170.94 766572.48	140.00	117.29	N88° 03' 36"E	140+93.60	394174.80 766686.31
L32	140+93.60	394174.80 766686.31		44.94	S67° 56' 24"E	141+38.55	394157.92 766727.96
C31	141+38.55	394157.92 766727.96	150.00	177.87	S33° 58' 10"E	143+16.42	394018.89 766821.62
L33	143+16.42	394018.89 766821.62		224.41	S0° 00' 05"W	145+40.83	393794.48 766821.62
C32	145+40.83	393794.48 766821.62	195.50	257.46	S37° 43' 32"E	147+98.29	393605.25 766968.01
L34	147+98.29	393605.25 766968.01		5.74	S75° 27' 09"E	148+04.03	393603.80 766973.57

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201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62918  
PHONE (618) 985-6370 FAX (618) 985-4692  
PROFESSIONAL DESIGN FIRM # 184-00285

DESIGNED -- JHC	REVISED --
DRAWN -- JHC	REVISED --
CHECKED -- WDS	REVISED --
DATE -- 03/27/20	REVISED -- 07/11/20

JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

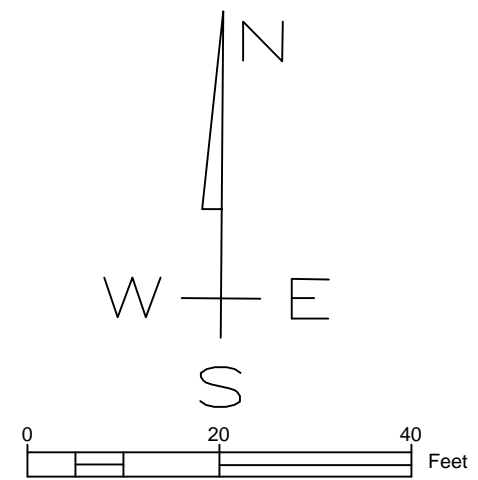
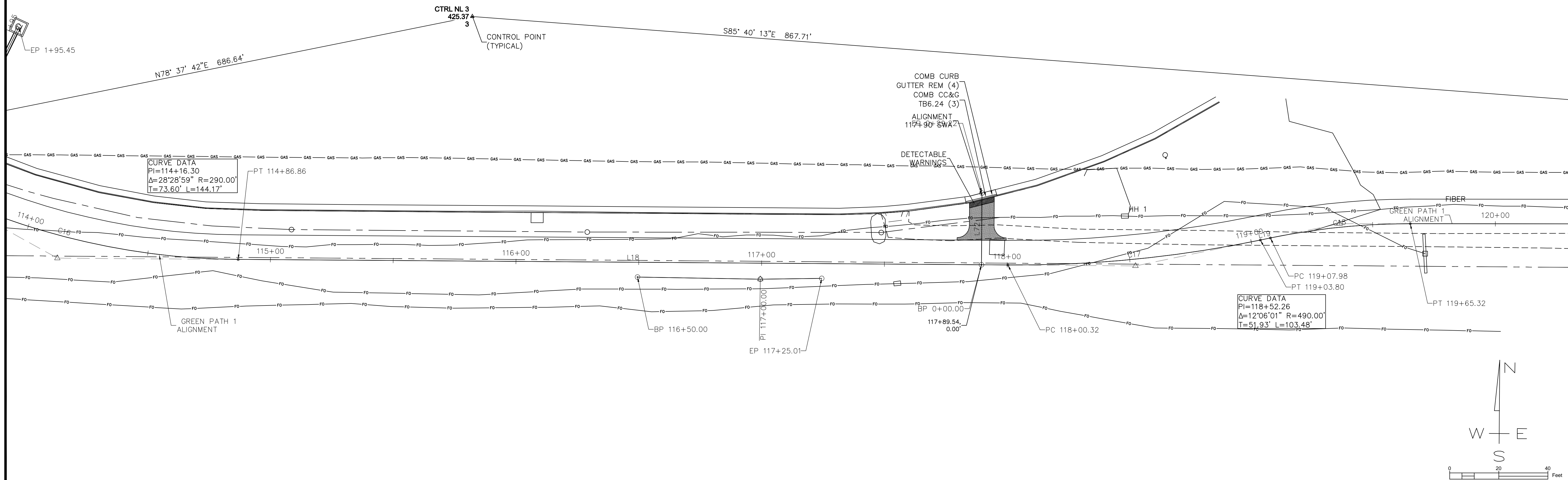
ALIGNMENT AND CONTROL DETAILS  
MULTI-USE PATH

SCALE: SHEET 1 OF 7 SHEETS STA. 108+00.00 113+90.65

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	20
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(427)				

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108+23 - 110+05 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L1	0+00.00	393617.27 763883.77		4.95	N33° 18' 39\"E	0+04.95	393621.40 763886.49
L2	0+04.95	393621.40 763886.49		63.16	N84° 13' 30\"E	0+68.11	393627.76 763949.33
L10	0+68.11	393627.76 763949.33		190.18	N12° 29' 12\"E	2+58.29	393813.44 763990.45

110+10 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L39	0+00.00	393718.33 764024.13		50.00	N13° 11' 07\"W	0+50.00	393767.01 764012.73
L40	0+50.00	393767.01 764012.73		11.96	N13° 11' 07\"W	0+61.96	393778.66 764010.00

110+61 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L41	0+00.00	393728.78 764070.77		50.00	N8° 26' 19\"W	0+50.00	393778.23 764063.44

112+50 - 113+62							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L45	0+00.00	393688.11 764247.31		24.40	N36° 52' 17\"E	0+24.40	393707.63 764261.95
L46	0+24.40	393707.63 764261.95		7.36	N36° 52' 13\"E	0+31.76	393713.52 764266.37
L42	0+31.76	393713.52 764266.37		38.93	S87° 44' 16\"E	0+70.69	393711.98 764305.27
L47	0+70.69	393711.98 764305.27		28.48	N80° 24' 46\"E	0+99.17	393716.72 764333.35
L48	0+99.17	393716.72 764333.35		6.00	N80° 24' 46\"E	1+05.17	393717.72 764339.27
L44	1+05.17	393717.72 764339.27		23.23	N80° 24' 51\"E	1+28.41	393721.59 764362.18
L43	1+28.41	393721.59 764362.18		67.05	N26° 14' 03\"E	1+95.45	393781.73 764391.81

110+17 SWA							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L71	0+00.00	393755.13 764023.45		23.18	N4° 13' 34\"W	0+23.18	393778.25 764021.74

117+90 SWA							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L72	0+00.00	393684.95 764783.78		29.22	N0° 24' 42\"E	0+29.22	393714.18 764783.99

117+90 SWA							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L72	0+00.00	393684.95 764783.78		29.22	N0° 24' 42\"E	0+29.22	393714.18 764783.99

CONTROL POINTS				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	393605.88	763859.62	427.24	CTRL STA 107+93.47
2	393650.63	763903.37	428.37	CTRL NL STA 108+56.01
3	393786.01	764576.53	425.37	CTRL NL 3
4	393720.50	765441.77	418.08	CTRL CP 7
5	393720.57	765626.95	424.83	CP 6
6	394076.84	765674.50	420.06	NL 10
7	393733.79	765920.96	425.08	CTRL CP 1 IPS
8	393921.00	766046.38	419.18	CTRL CP 3 IPS
9	393965.45	766164.25	411.70	CTRL CP 4 IP SET
10	393910.90	766349.23	407.00	CTRL CP 5 IPS
216	394218.72	766739.60	415.21	nl3-cp8 ips
217	393658.88	766892.16	418.04	nl3-cp9 ips

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PROFESSIONAL DESIGN FIRM # 184-002885

DESIGNED -- JHC	REVISED --
DRAWN -- JHC	REVISED --
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DATE -- 03/27/20	REVISED -- 07/11/20

JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
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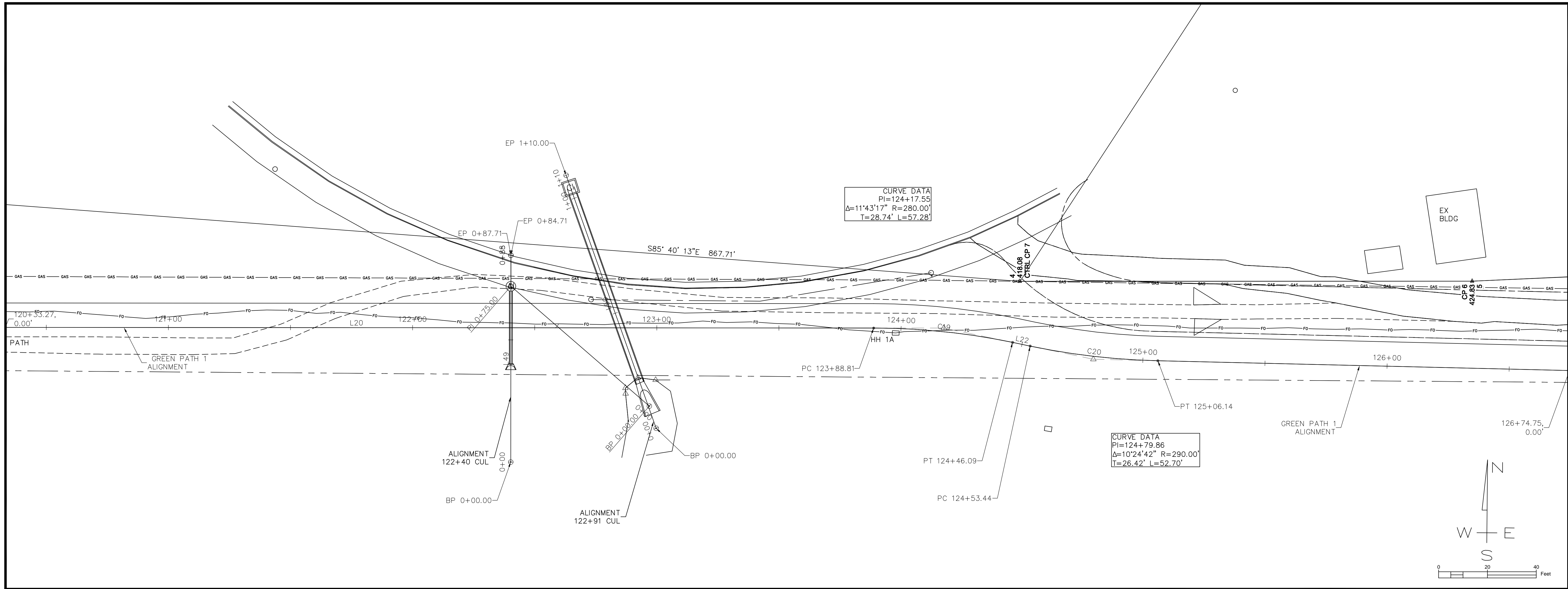
ALIGNMENT AND CONTROL DETAILS  
MULTI-USE PATH

SCALE: 2 OF 7 SHEETS STA. 113+90.65 TO STA. 120+33.73

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	21
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

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122+40 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L49	0+00.00	393646.46 765233.26		84.71	N0° 02' 40"E	0+84.71	393731.18 765233.33

122+91 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L50	0+00.00	393660.28 765292.81		110.00	N19° 34' 29"W	1+10.00	393763.93 765255.95

CONTROL POINTS				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	393605.88	763859.62	427.24	CTRL STA 107+93.47
2	393650.63	763903.37	428.37	CTRL NL STA 108+56.01
3	393786.01	764576.53	425.37	CTRL NL 3
4	393720.50	765441.77	418.08	CTRL CP 7
5	393720.57	765626.95	424.83	CP 6
6	394076.84	765674.50	420.06	NL 10
7	393733.79	765920.96	425.08	CTRL CP 1 IPS
8	393921.00	766046.38	419.18	CTRL CP 3 IPS
9	393965.45	766164.25	411.70	CTRL CP 4 IP SET
10	393910.90	766349.23	407.00	CTRL CP 5 IPS
216	394218.72	766739.60	415.21	n13-cp8 ips
217	393658.88	766892.16	418.04	n13-cp9 ips

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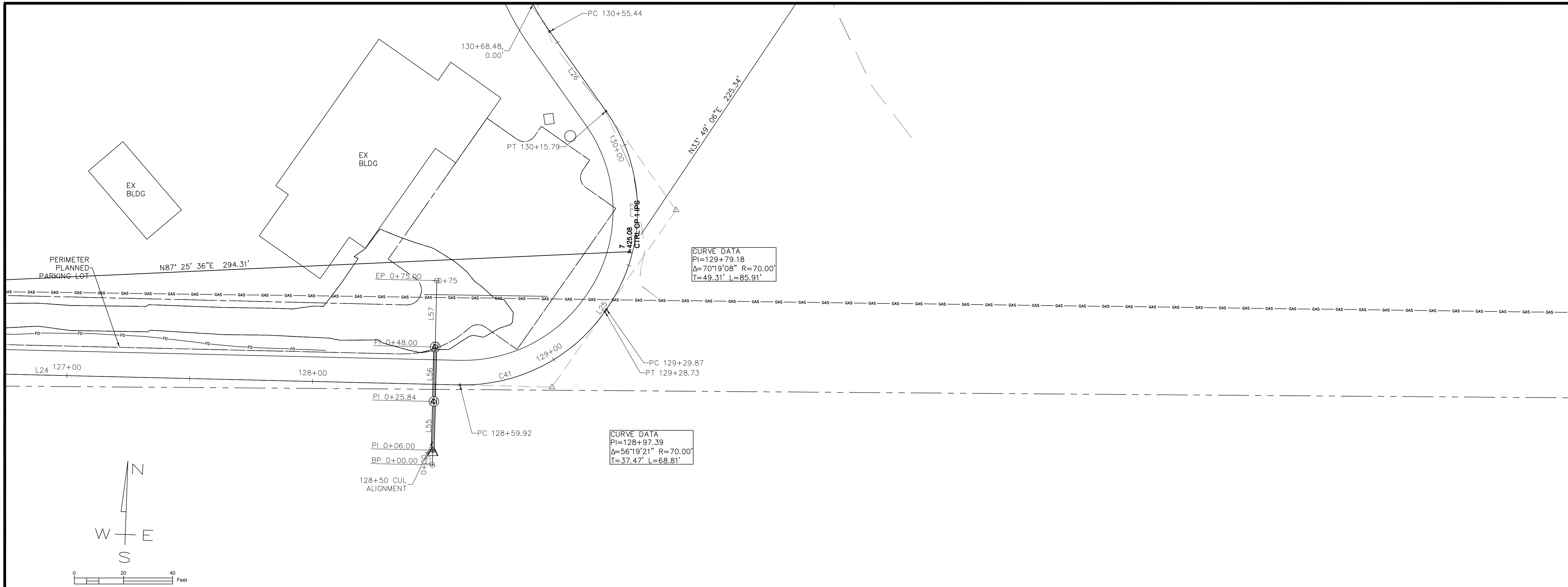
JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND CONTROL DETAILS  
 MULTI-USE PATH

SCALE: SHEET 3 OF 7 SHEETS STA. 120+33.73 TO STA. 126+74.75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	22
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				





128+50 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L54	0+00.00	393647.00 765840.76		6.00	N1° 21' 14"E	0+06.00	393653.00 765840.90
L55	0+06.00	393653.00 765840.90		19.84	N1° 21' 14"E	0+25.84	393672.84 765841.37
L56	0+25.84	393672.84 765841.37		22.16	N1° 21' 14"E	0+48.00	393694.99 765841.89
L57	0+48.00	393694.99 765841.89		27.00	N1° 21' 14"E	0+75.00	393721.98 765842.53

CONTROL POINTS				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	393605.88	763859.62	427.24	CTRL STA 107+93.47
2	393650.63	763903.37	428.37	CTRL NL STA 108+56.01
3	393786.01	764576.53	425.37	CTRL NL 3
4	393720.50	765441.77	418.08	CTRL CP 7
5	393720.57	765626.95	424.83	CP 6
6	394076.84	765674.50	420.06	NL 10
7	393733.79	765920.96	425.08	CTRL CP 1 IPS
8	393921.00	766046.38	419.18	CTRL CP 3 IPS
9	393965.45	766164.25	411.70	CTRL CP 4 IP SET
10	393910.90	766349.23	407.00	CTRL CP 5 IPS
216	394218.72	766739.60	415.21	n13-cp8 ips
217	393658.88	766892.16	418.04	n13-cp9 ips

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DESIGNED -- JHC  
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JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND CONTROL DETAILS  
 MULTI-USE PATH

SCALE: SHEET 4 OF 7 SHEETS STA. 126+74.75 TO STA. 130+74.32

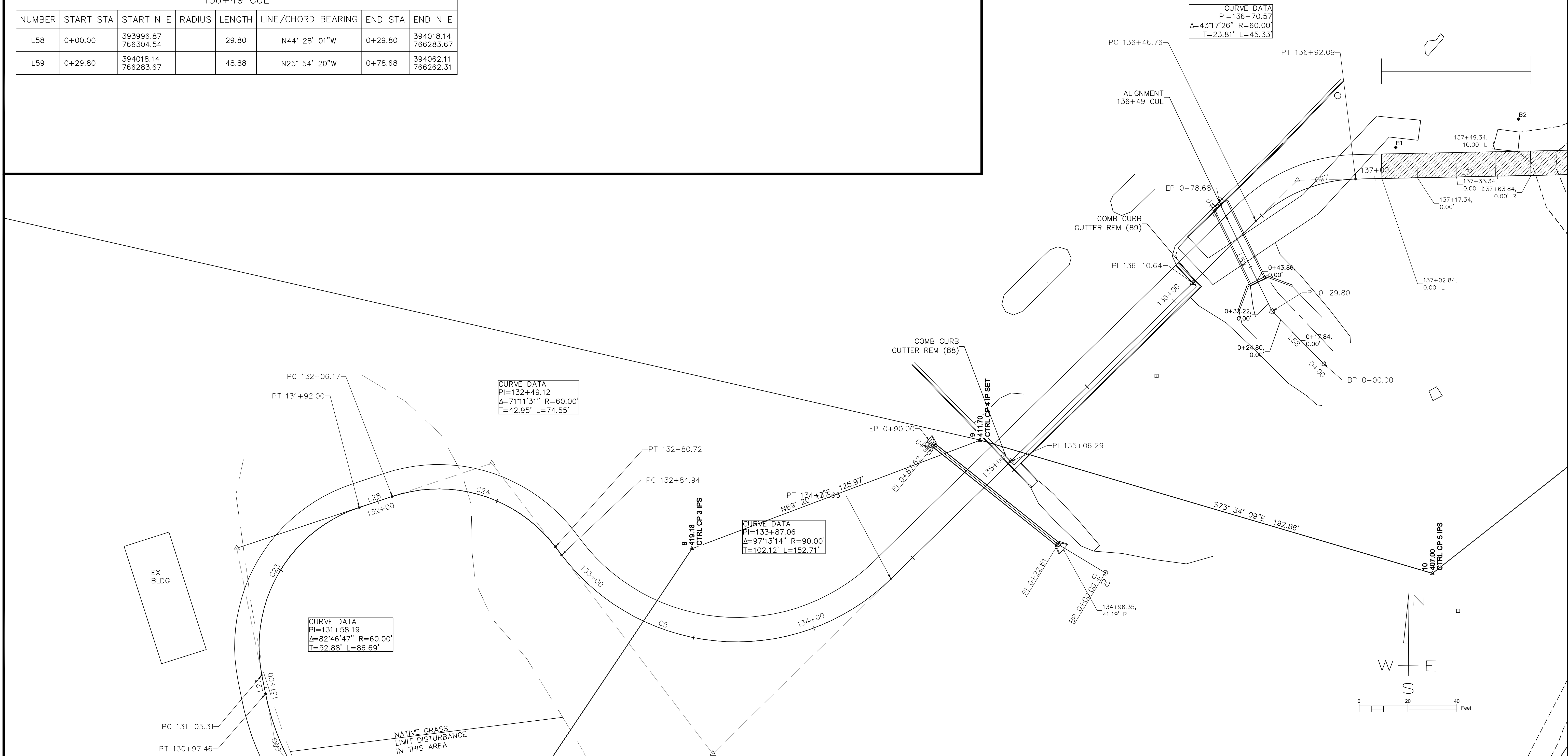
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	23
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

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135+27 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L53	0+87.62	393963.40 766145.30		2.38	N45° 58' 25"W	0+90.00	393965.06 766143.59

136+49 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L58	0+00.00	393996.87 766304.54		29.80	N44° 28' 01"W	0+29.80	394018.14 766283.67
L59	0+29.80	394018.14 766283.67		48.88	N25° 54' 20"W	0+78.68	394062.11 766262.31



JOHN H. CRAWFORD & ASSOCIATES, P.C.  
 CIVIL ENGINEERS, LAND SURVEYORS  
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62918  
 PHONE (618) 985-6370 FAX (618) 985-4692  
 PROFESSIONAL DESIGN FIRM # 184-002885

DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

**JOHN A LOGAN COLLEGE**  
**MULTI-USE PATH**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT AND CONTROL DETAILS**  
**MULTI-USE PATH**

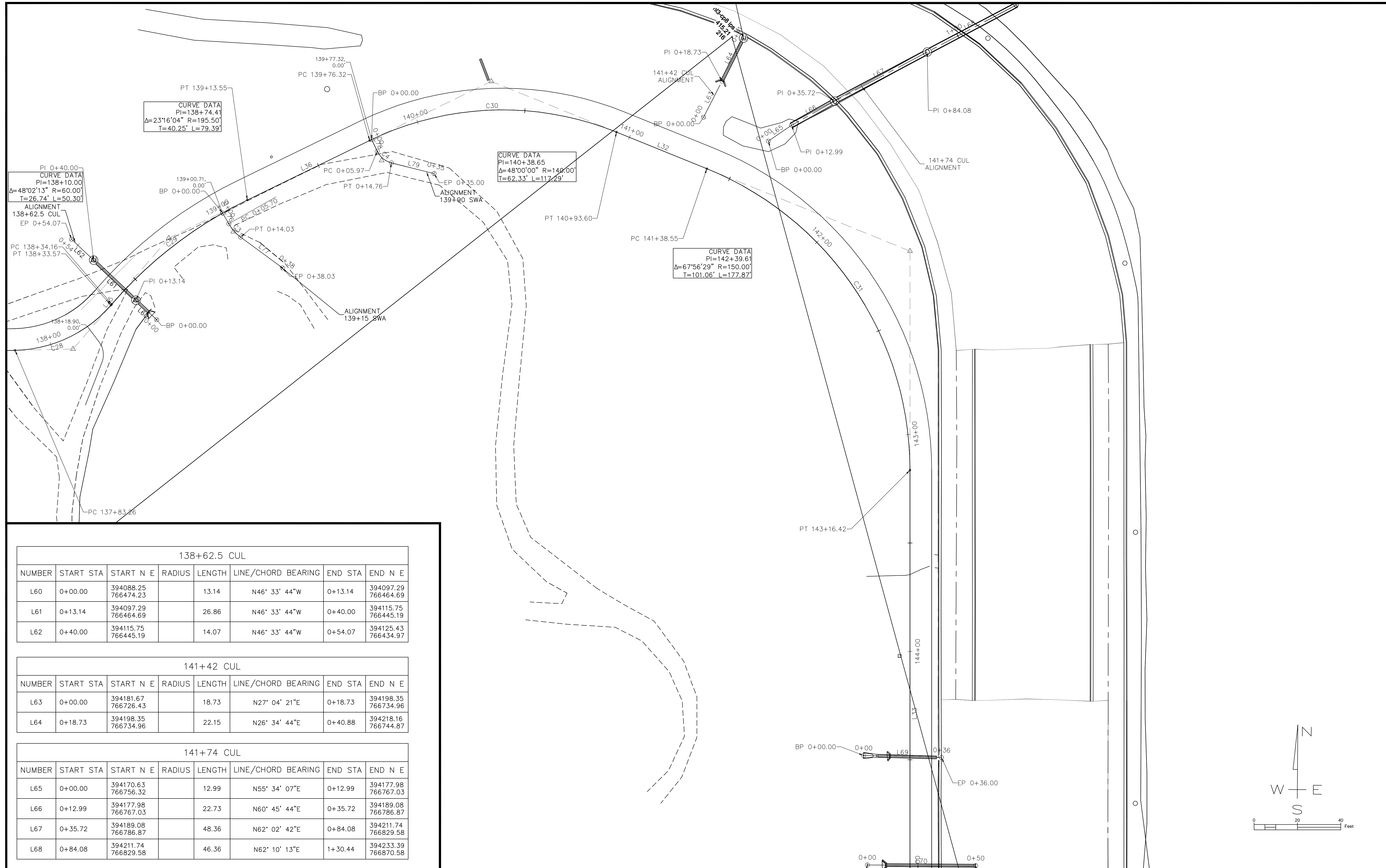
SCALE: SHEET 5 OF 7 SHEETS STA. 130+74.32 TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	24
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

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138+62.5 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L60	0+00.00	394088.25 766474.23		13.14	N46° 33' 44\"W	0+13.14	394097.29 766464.69
L61	0+13.14	394097.29 766464.69		26.86	N46° 33' 44\"W	0+40.00	394115.75 766445.19
L62	0+40.00	394115.75 766445.19		14.07	N46° 33' 44\"W	0+54.07	394125.43 766434.97

141+42 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L63	0+00.00	394181.67 766726.43		18.73	N27° 04' 21\"E	0+18.73	394198.35 766734.96
L64	0+18.73	394198.35 766734.96		22.15	N26° 34' 44\"E	0+40.88	394218.16 766744.87

141+74 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L65	0+00.00	394170.63 766756.32		12.99	N55° 34' 07\"E	0+12.99	394177.98 766767.03
L66	0+12.99	394177.98 766767.03		22.73	N60° 45' 44\"E	0+35.72	394189.08 766786.87
L67	0+35.72	394189.08 766786.87		48.36	N62° 02' 42\"E	0+84.08	394211.74 766829.58
L68	0+84.08	394211.74 766829.58		46.36	N62° 10' 13\"E	1+30.44	394233.39 766870.58

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 PHONE (618) 985-6370 FAX (618) 985-4692  
 PROFESSIONAL DESIGN FIRM # 184-002885

DESIGNED -- JHC  
 DRAWN -- JHC  
 CHECKED -- WDS  
 DATE -- 03/27/20

REVISED --  
 REVISED --  
 REVISED --  
 REVISED -- 07/11/20

**JOHN A LOGAN COLLEGE**  
**MULTI-USE PATH**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT AND CONTROL DETAILS**  
**MULTI-USE PATH**  
 SCALE: SHEET 6 OF 7 SHEETS STA. 137+92.24 TO STA. 145+15.18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	25
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				



148+12 SWA							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L80	0+00.00	393605.25 766968.01		28.54	N14° 32' 51"E	0+28.54	393632.87 766975.18

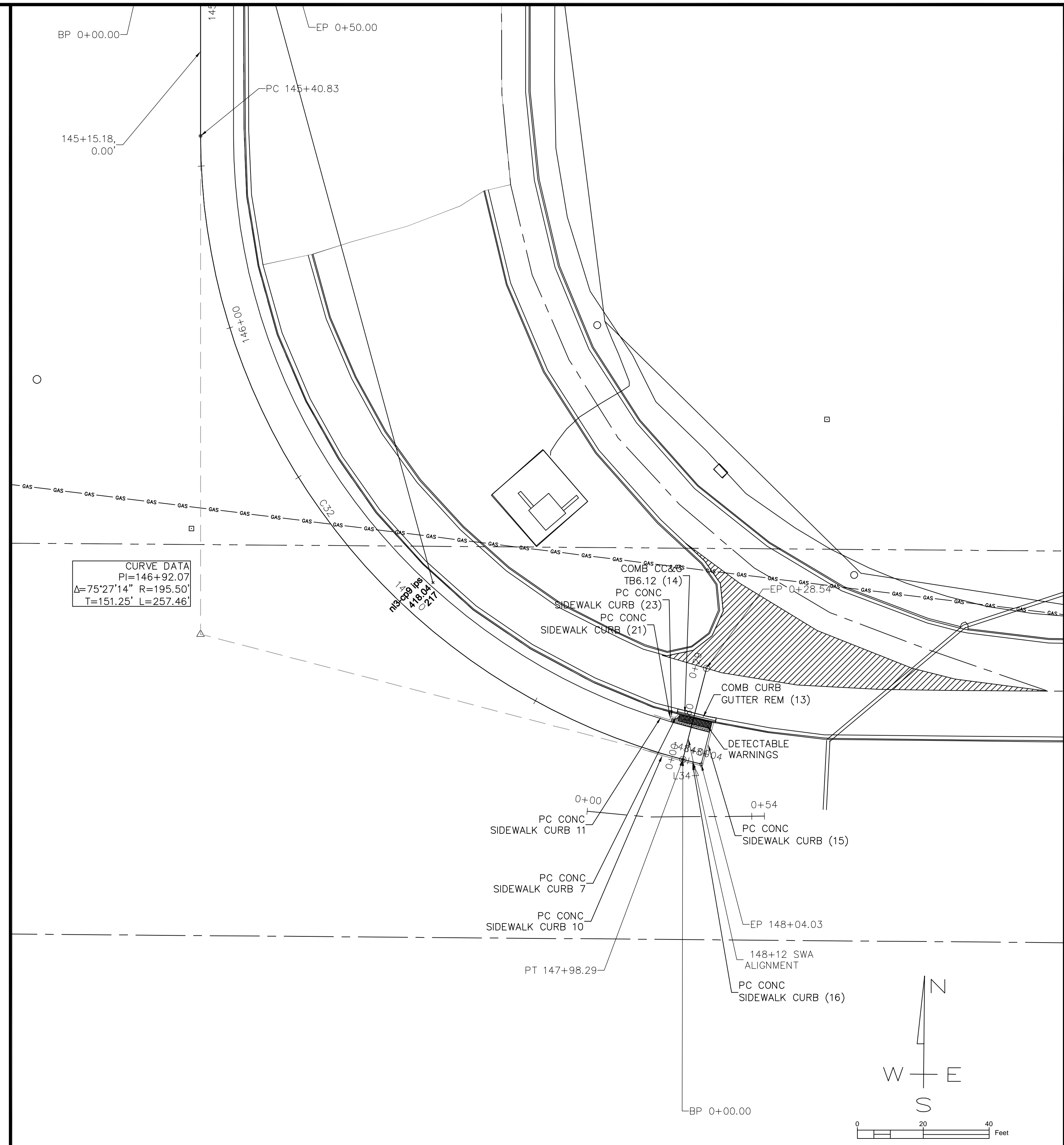
144+61 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L69	0+00.00	393887.32 766800.19		36.00	S88° 21' 10"E	0+36.00	393886.28 766836.18

145+11 CUL							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L70	0+00.00	393836.78 766801.95		50.00	S89° 37' 41"E	0+50.00	393836.46 766851.95

139+15 SWA							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L76	0+00.00	394137.49 766504.69		5.70	S29° 42' 11"E	0+05.70	394132.54 766507.51
C3	0+05.70	394132.54 766507.51	20.00	8.33	S41° 38' 02"E	0+14.03	394126.36 766513.01
L77	0+14.03	394126.36 766513.01		24.01	S53° 33' 52"E	0+38.03	394112.11 766532.32

139+90 SWA							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L78	0+00.00	394171.37 766573.39		5.97	S25° 31' 51"E	0+05.97	394165.99 766575.96
C4	0+05.97	394165.99 766575.96	10.00	8.79	S50° 43' 04"E	0+14.76	394160.60 766582.54
L79	0+14.76	394160.60 766582.54		20.24	S75° 54' 18"E	0+35.00	394155.67 766602.18

CONTROL POINTS				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	393605.88	763859.62	427.24	CTRL STA 107+93.47
2	393650.63	763903.37	428.37	CTRL NL STA 108+56.01
3	393786.01	764576.53	425.37	CTRL NL 3
4	393720.50	765441.77	418.08	CTRL CP 7
5	393720.57	765626.95	424.83	CP 6
6	394076.84	765674.50	420.06	NL 10
7	393733.79	765920.96	425.08	CTRL CP 1 IPS
8	393921.00	766046.38	419.18	CTRL CP 3 IPS
9	393965.45	766164.25	411.70	CTRL CP 4 IP SET
10	393910.90	766349.23	407.00	CTRL CP 5 IPS
216	394218.72	766739.60	415.21	nl3-cp8 ips
217	393658.88	766892.16	418.04	nl3-cp9 ips



CURVE DATA  
 PI=146+92.07  
 $\Delta=75^{\circ}27'14''$  R=195.50'  
 T=151.25' L=257.46'

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 PROFESSIONAL DESIGN FIRM # 184-00286

DESIGNED -- JHC  
 DRAWN -- JHC  
 CHECKED -- WDS  
 DATE -- 03/27/20

REVISED --  
 REVISED --  
 REVISED --  
 REVISED -- 07/11/20

JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND CONTROL DETAILS  
 MULTI-USE PATH

SCALE: SHEET 7 OF 7 SHEETS STA. 145+15.18 TO STA. 148+18.32

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	26
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(427)				

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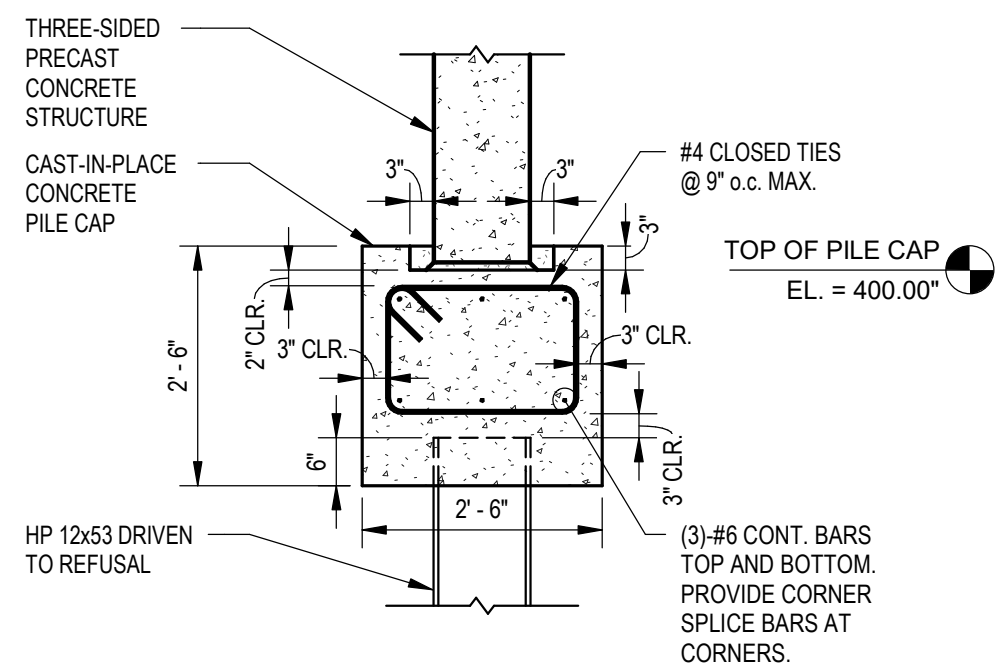
**BILL OF MATERIALS (STRUCTURE ONLY)**

CODE#	ITEM	UNIT	TOTAL
X0900041	PRECAST WINGWALL	EACH	4
X1700063	CONCRETE HEADWALL (SPECIAL)	EACH	2
X5091765	PIPE HANDRAIL, SPECIAL	FOOT	122
Z0038139	THREE-SIDED PRECAST CONCRETE STRUCTURES 32"x9'	FOOT	12.33
20300100	CHANNEL EXCAVATION	CU YD	25
20700110	POROUS GRANULAR EMBANKMENT	TON	270
28100825	STONE DUMPED RIPRAP, CLASS B3	TON	50
42000060	WELDED WIRE REINFORCEMENT	SQ YD	68
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	610
05300225	CONCRETE STRUCTURES	CU YD	24
50800105	REINFORCEMENT BARS	LB	1235
51201600	FURNISHING STEEL PILES HP12x53	FOOT	315
51202305	DRIVING PILES	FOOT	315

**DESIGN STRESSES**

**FIELD UNITS**  
 $f_c = 3,500$  psi  
 $f_y = 60,000$  psi (REINFORCEMENT)

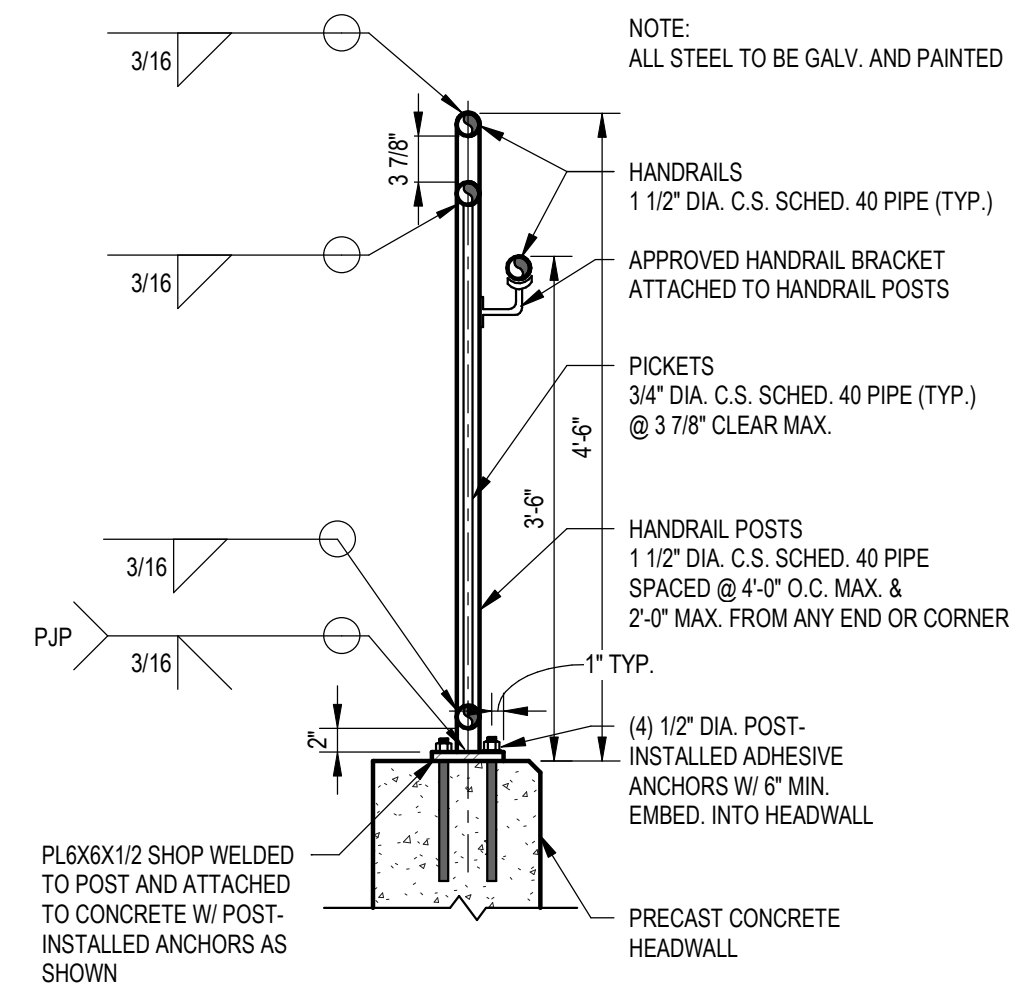
**PRECAST UNITS**  
 $f_c = 4,500$  psi  
 $f_y = 60,000$  psi (REINFORCEMENT)



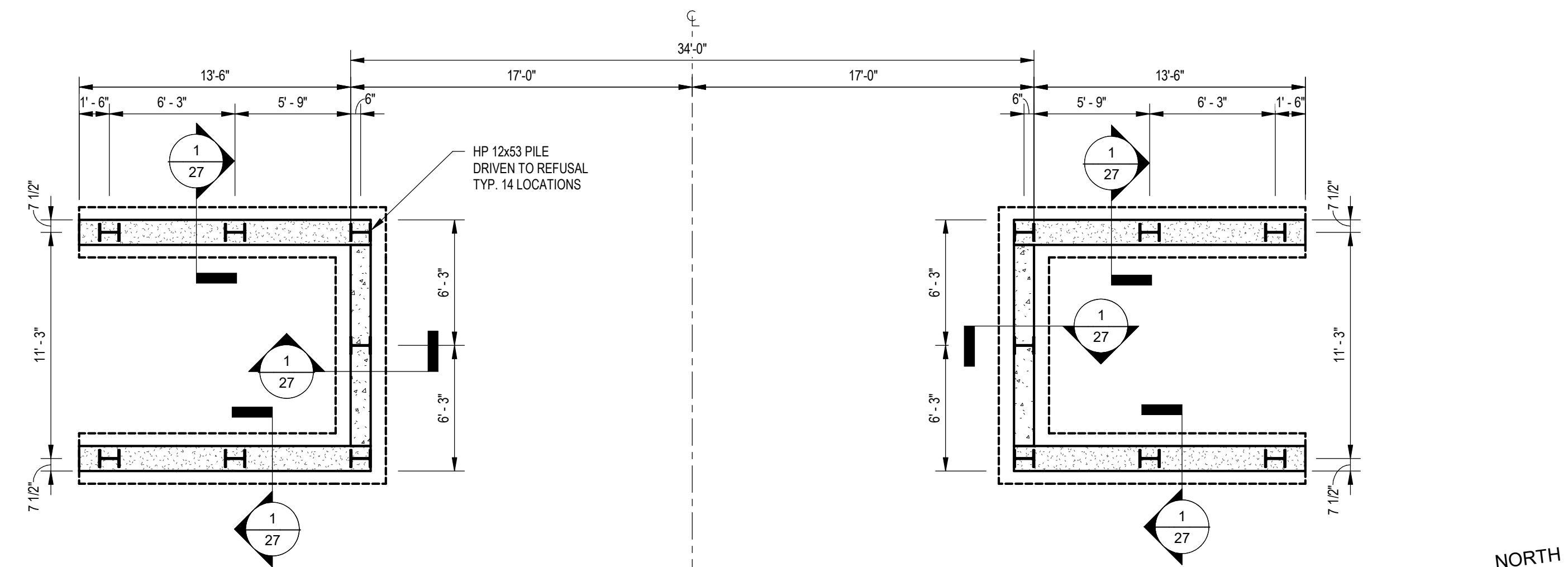
**1 PILE CAP FOUNDATION DETAIL**  
 SCALE: 1/2" = 1'-0"

**DESIGN CRITERIA**

- INTERNATIONAL BUILDING CODE, 2015 EDITION  
 ASCE STANDARD MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES: SEI/ASCE 7-10  
 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
- LIVE LOADS:  
 A. PEDESTRIAN BRIDGE = 100 PSF  
 B. H10 DESIGN TRUCK = 2 KIPS EACH FRONT AXLE WHEEL, 8 KIPS EACH REAR AXLE WHEEL
- SNOW LOADS:  
 A. GROUND SNOW LOAD PG = 15 PSF  
 B. IMPORTANCE FACTOR IS = 1.0  
 C. EXPOSURE FACTOR CE = 1.0  
 D. THERMAL FACTOR CT = 1.2  
 E. DESIGN SNOW LOAD PF = 16.0 PSF (INCLUDES DRIFT AND RAIN ON SNOW SURCHARGE)
- WIND LOADS:  
 A. ULTIMATE WIND SPEED VULT = 115 MPH  
 B. NOMINAL WIND SPEED VASD = 89 MPH  
 C. EXPOSURE CATEGORY = C
- SEISMIC LOADS:  
 A. SITE CLASS = D  
 B. IMPORTANCE FACTOR IE = 1.0  
 C. SPECTRAL RESPONSE ACCEL. FOR SHORT PERIODS SS = 0.880  
 D. SPECTRAL RESPONSE ACCEL. FOR 1 SEC. PERIODS S1 = 0.303  
 E. DESIGN SPECTRAL RESPONSE ACCEL. FOR SHORT PERIODS SDS = 0.674  
 F. DESIGN SPECTRAL RESPONSE ACCEL. FOR 1 SEC. PERIODS SD1 = 0.363  
 G. SEISMIC DESIGN CATEGORY = D

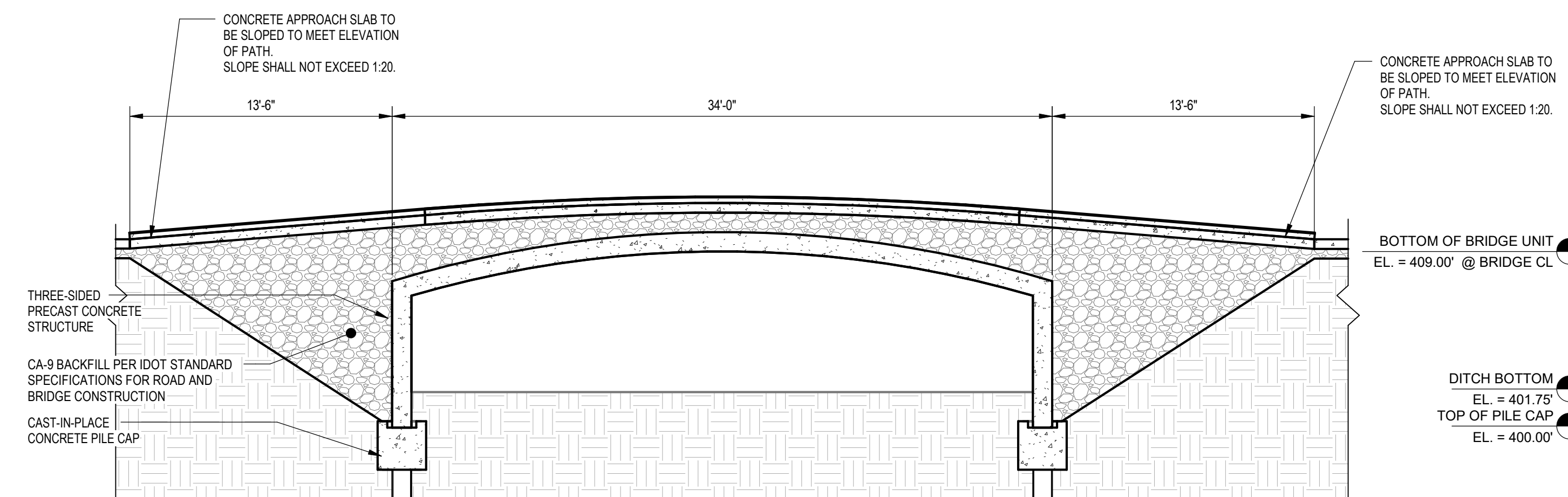


**2 HANDRAIL DETAIL**  
 SCALE: 3/4" = 1'-0"



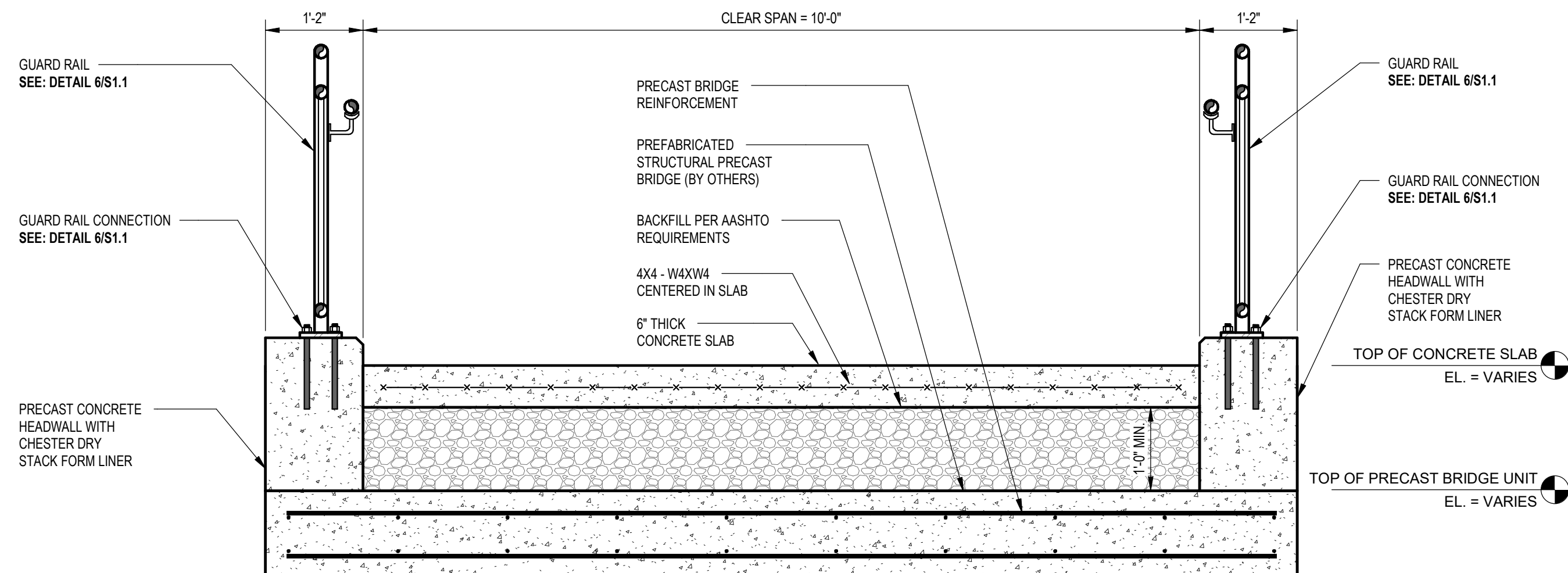
**PLAN - FOUNDATION**

3/16" = 1'-0"

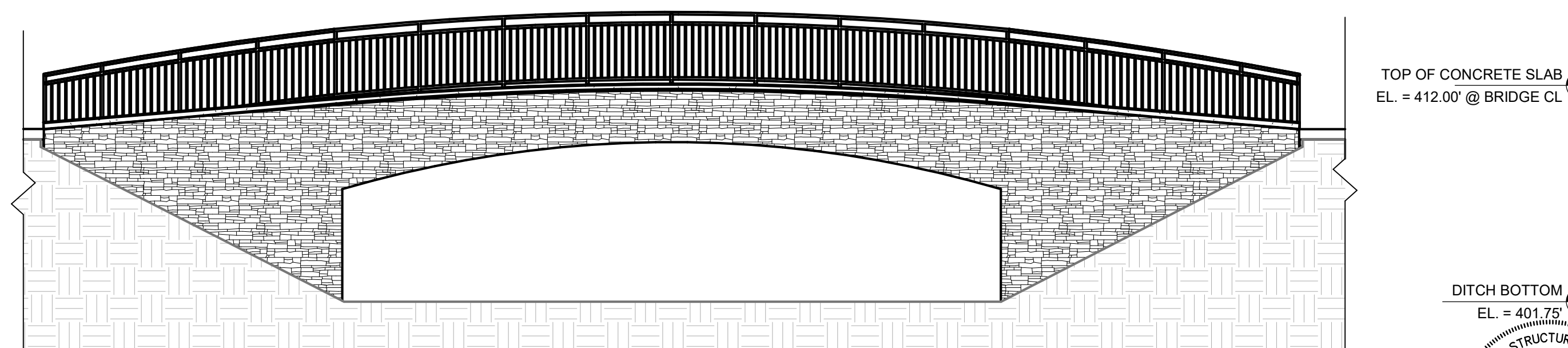


**BRIDGE CROSS-SECTION - LONGITUDINAL**

3/16" = 1'-0"



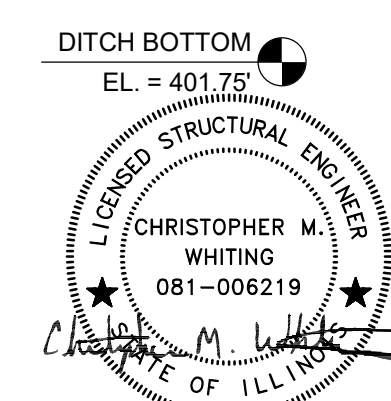
**3 BRIDGE CROSS-SECTION - TRANSVERSE**  
 SCALE: 3/4" = 1'-0"



**BRIDGE ELEVATION**

3/16" = 1'-0"

The final structural plans and specifications for this project may be accepted by the District based on the Structural Engineer's seal, certification and signature, as per the Bridge Manual subsections and GBSP noted above, and BLRS Manual Section 23-7.02.1.



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 PHONE (618) 985-6370 FAX (618) 985-4892  
 PROFESSIONAL DESIGN FIRM # 184-003985

DESIGNED - JAH  
 DRAWN - DRL, JAH  
 CHECKED - JGA, CMW  
 DATE - 11/30/2020

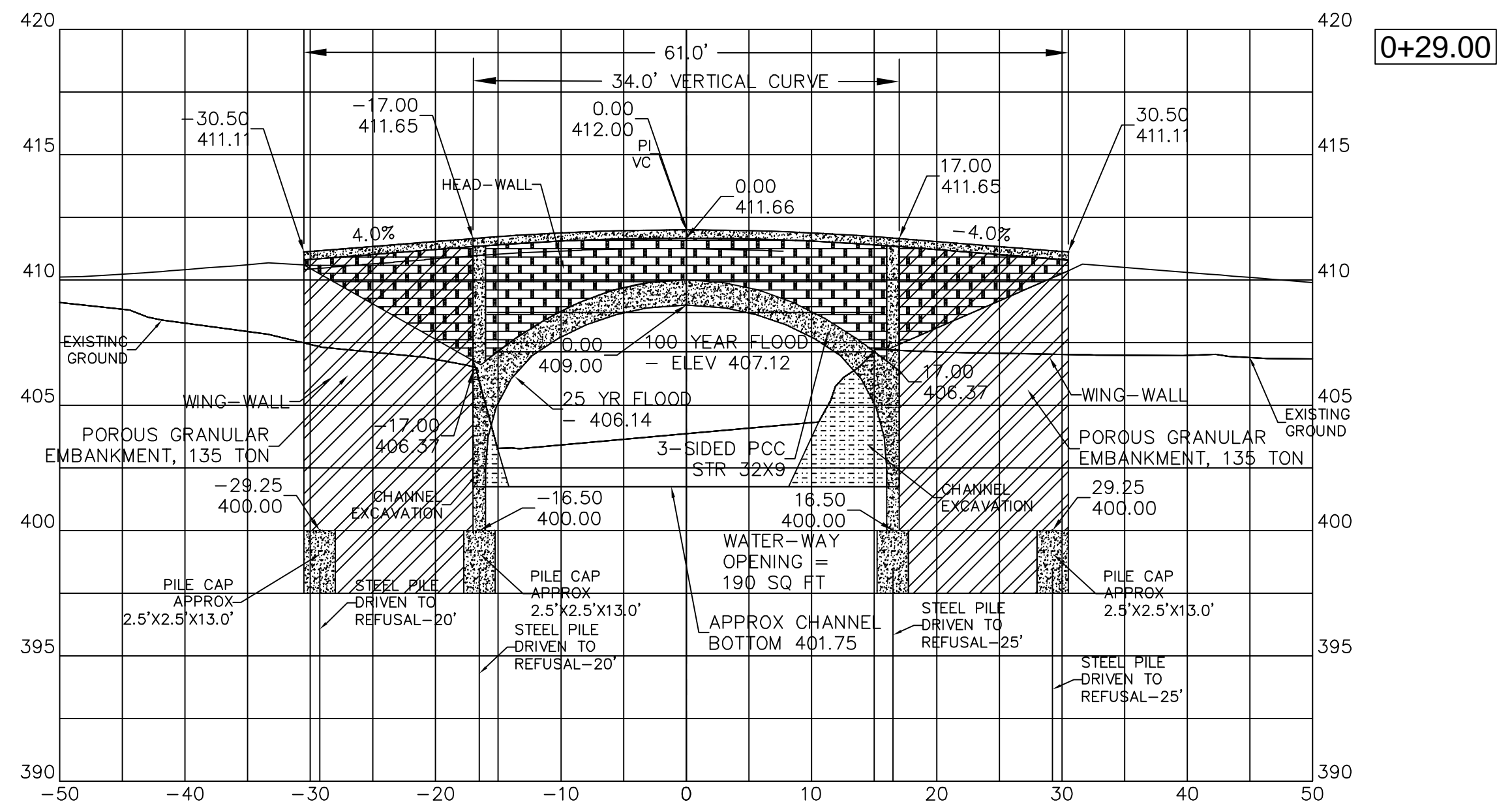
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PEDESTRIAN BRIDGE DETAILS  
 MULTI-USE PATH  
 SCALE: SHEET 1 OF 3 SHEETS STA. 137+16.60 TO STA. 137+76.60

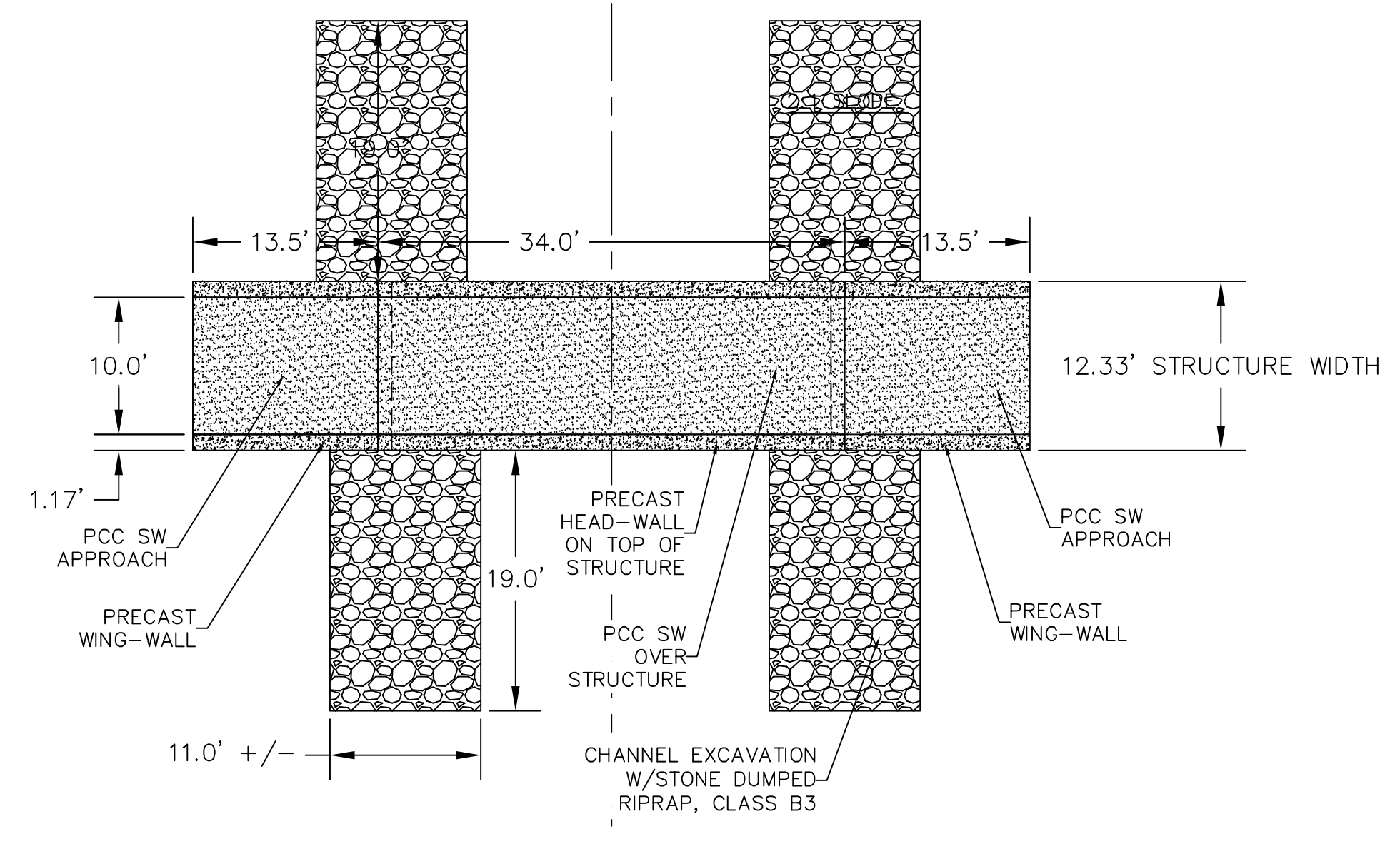
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	85	27
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(457)				



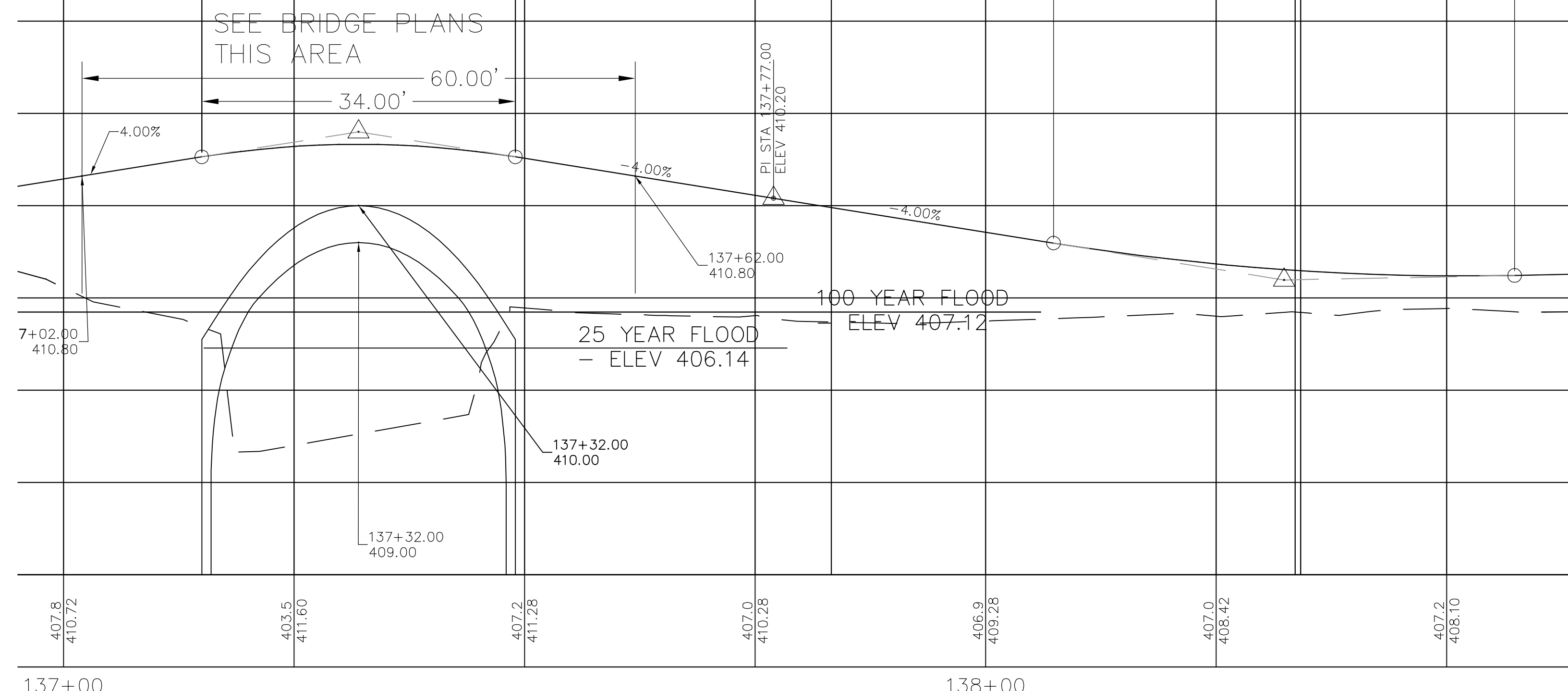


VIEW OF PEDESTRIAN BRIDGE FROM DOWNSTREAM

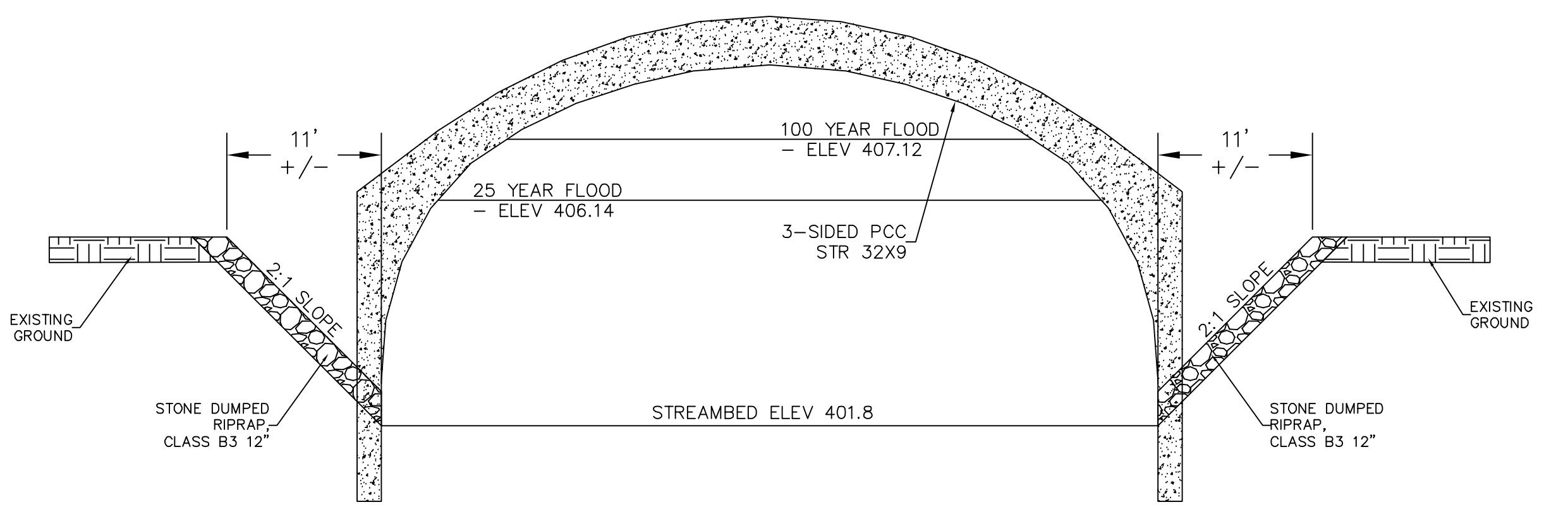
CHANNEL EXCAVATION = 25 CU YD  
 POROUS GRANULAR EMBANKMENT = 270 TON  
 STONE DUMPED RIPRAP, CLASS B3 = 50 TON



PLAN VIEW OF PEDESTRIAN BRIDGE



PROFILE OF MULTI-USE PATH THROUGH PEDESTRIAN BRIDGE



SECTION VIEW AT RIGHT ANGLES TO PEDESTRIAN BRIDGE

WATERWAY INFORMATION					EXISTING LOW GRADE ELEV 406.35 @ STA 137+32				
DRAINAGE AREA = 1.82 SQ MI					PROPOSED LOW GRADE ELEV 409.0 @ STA 137+32				
FLOOD	FREQ YR	Q CFS	OPENING SQ FT		NATURAL HWE	HEAD - FT		EXIST	PROPOSED
			EXIST	PROPOSED		EXIST	PROPOSED		
DESIGN	25	684	98	190	405.83	1.67	0.31	407.60	406.14
BASE	100	950	98	190	408.03	-0.07	-0.91	407.96	407.12

- GENERAL NOTES
- LAYOUT OF THE SLOPE PROTECTION SYSTEM MAY BE VARIED TO SUIT GROUND CONDITIONS, AS DIRECTED BY THE ENGINEER.
  - THE CONTRACTOR SHALL DRIVE ONE PILE (AT A LOCATION APPROVED BY THE ENGINEER) AS A TEST PILE TO 110% OF THE NOMINAL REQUIRED BEARING BEFORE ORDERING THE REMAINDER OF THE PILES.
  - EXCAVATION REQUIRED TO CONSTRUCT THE ABUTMENTS SHALL BE INCLUDED IN THE COST OF CONCRETE STRUCTURES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR STRUCTURE EXCAVATION.
  - ALL PROPOSED CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH NATIONWIDE PERMIT NO. 14 OF THE CORPS OF ENGINEERS AUTHORIZED UNDER SECTION 404 OF THE CLEAN WATER ACT.

JOHN H. CRAWFORD & ASSOCIATES, P.C.  
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 PHONE (618) 985-6370 FAX (618) 985-4892  
 PROFESSIONAL DESIGN FIRM # 184-002885

DESIGNED -- JHC  
 DRAWN -- JHC  
 CHECKED -- WDS  
 DATE -- 06/05/20

REVISED --  
 REVISED --  
 REVISED --  
 REVISED -- 07/11/20

JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND SECTION

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

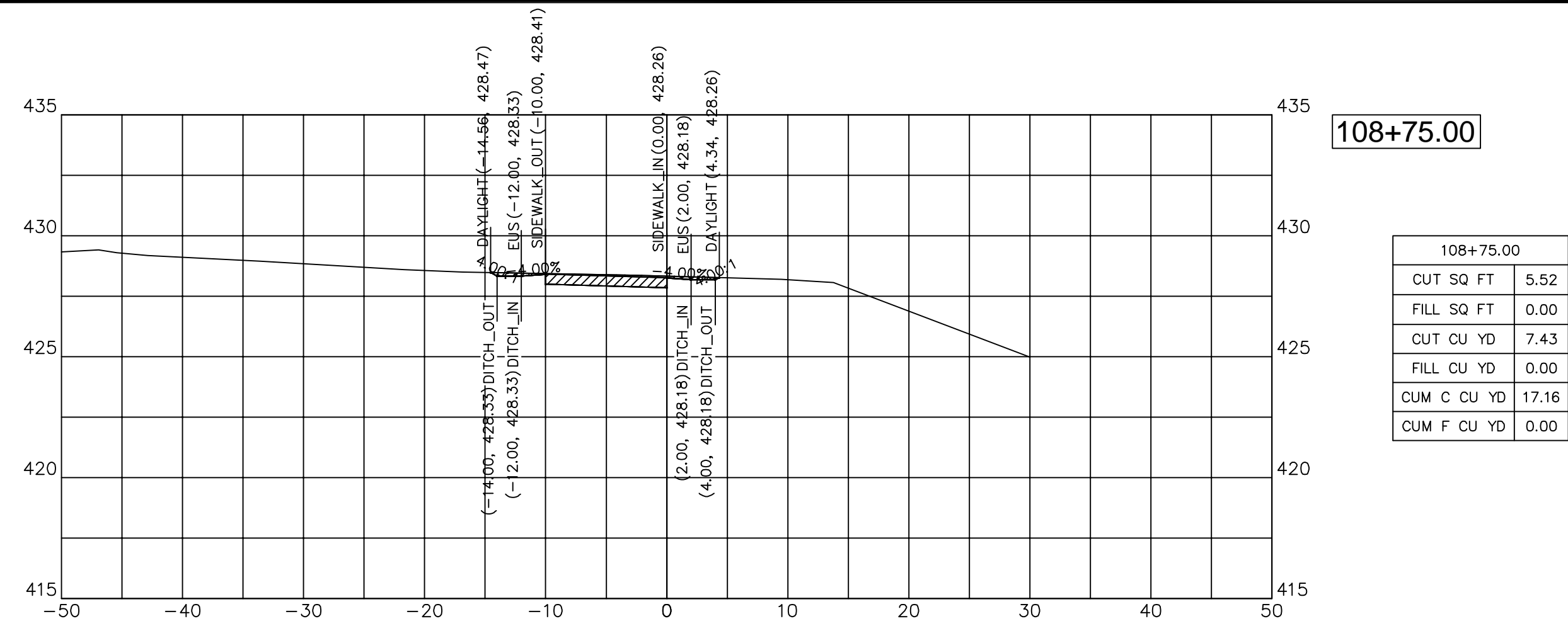
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	28
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(427)				

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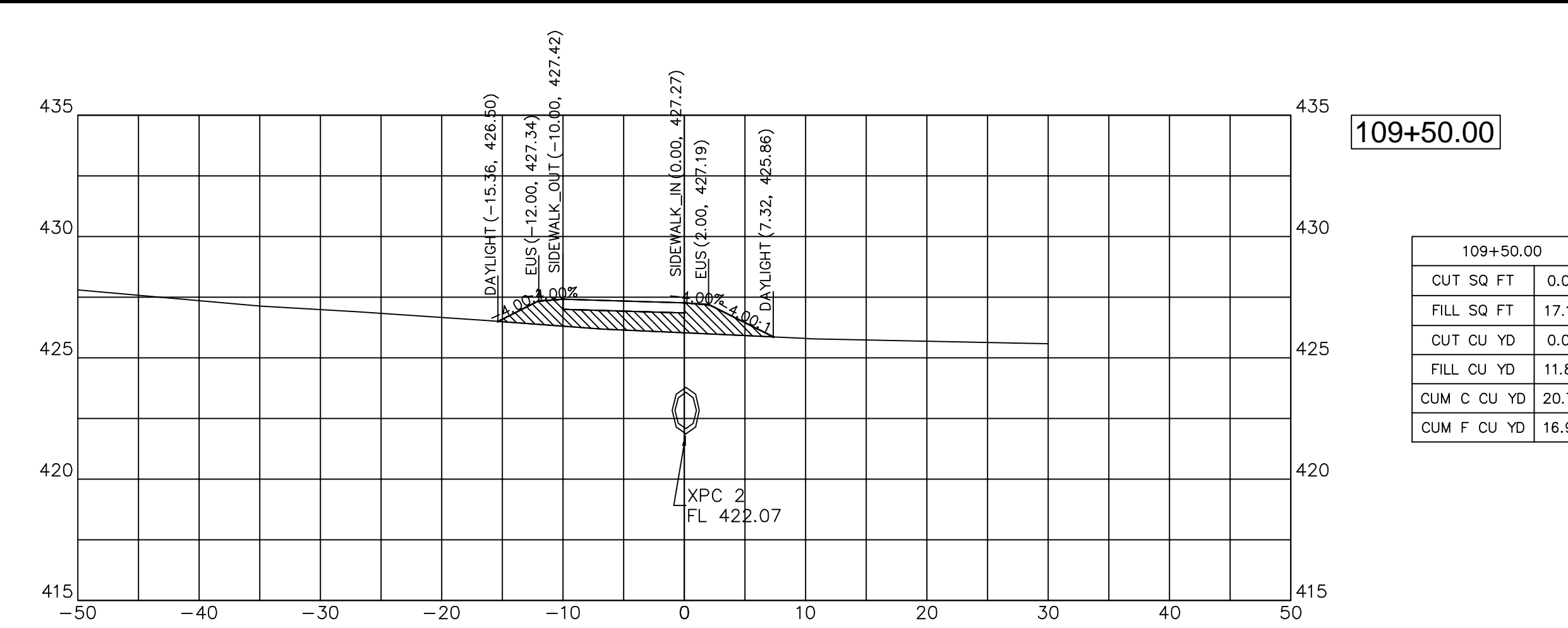






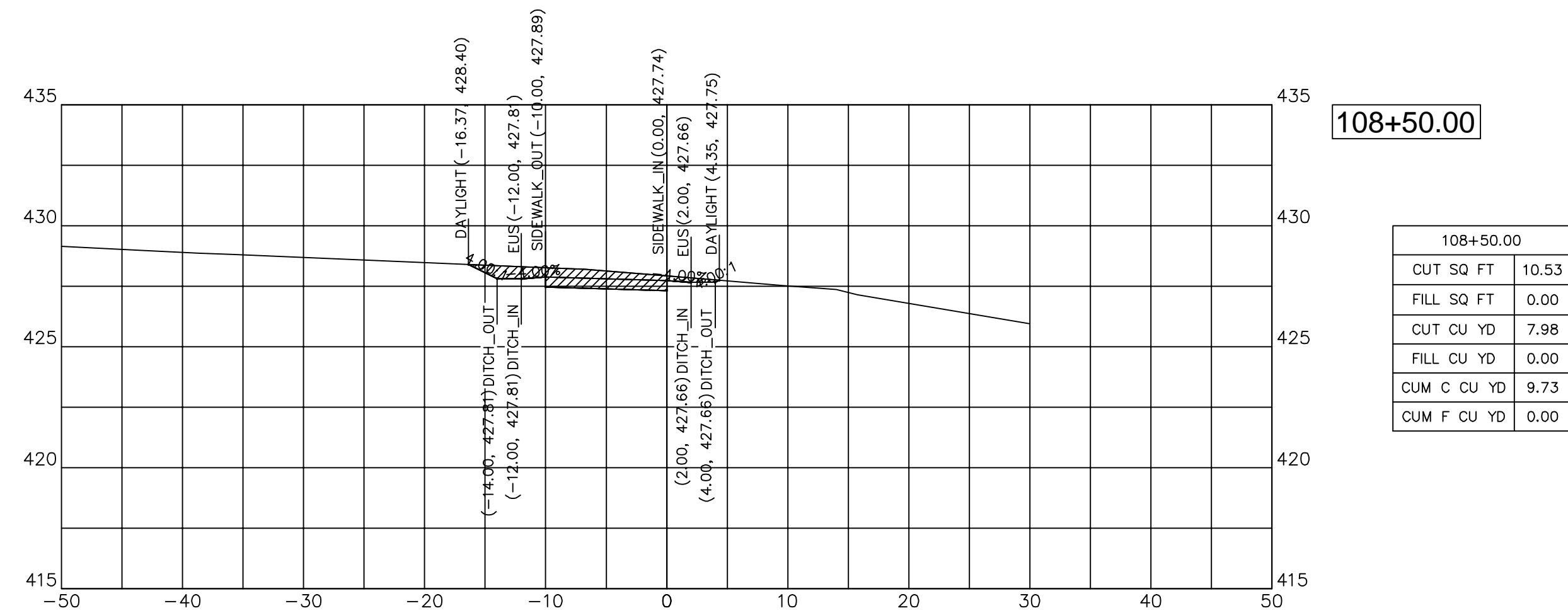
**108+75.00**

CUT SQ FT	5.52
FILL SQ FT	0.00
CUT CU YD	7.43
FILL CU YD	0.00
CUM C CU YD	17.16
CUM F CU YD	0.00



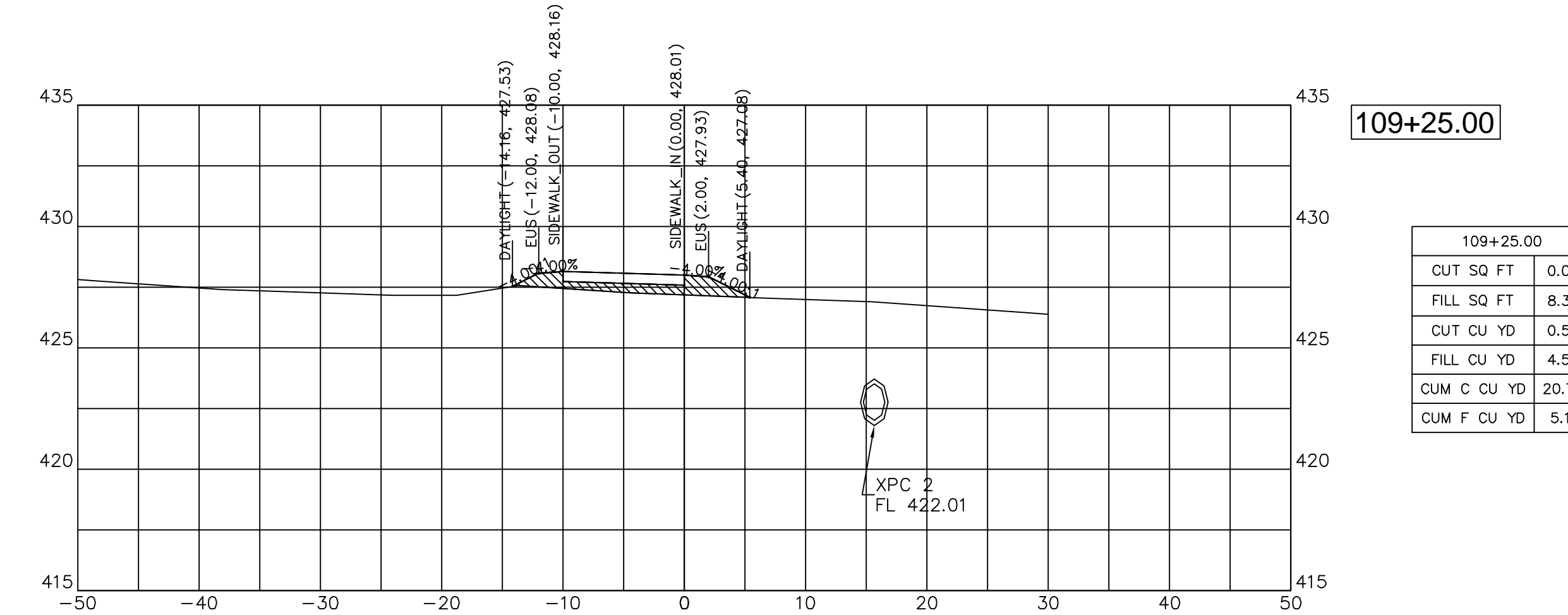
**109+50.00**

CUT SQ FT	0.00
FILL SQ FT	17.17
CUT CU YD	0.00
FILL CU YD	11.83
CUM C CU YD	20.77
CUM F CU YD	16.95



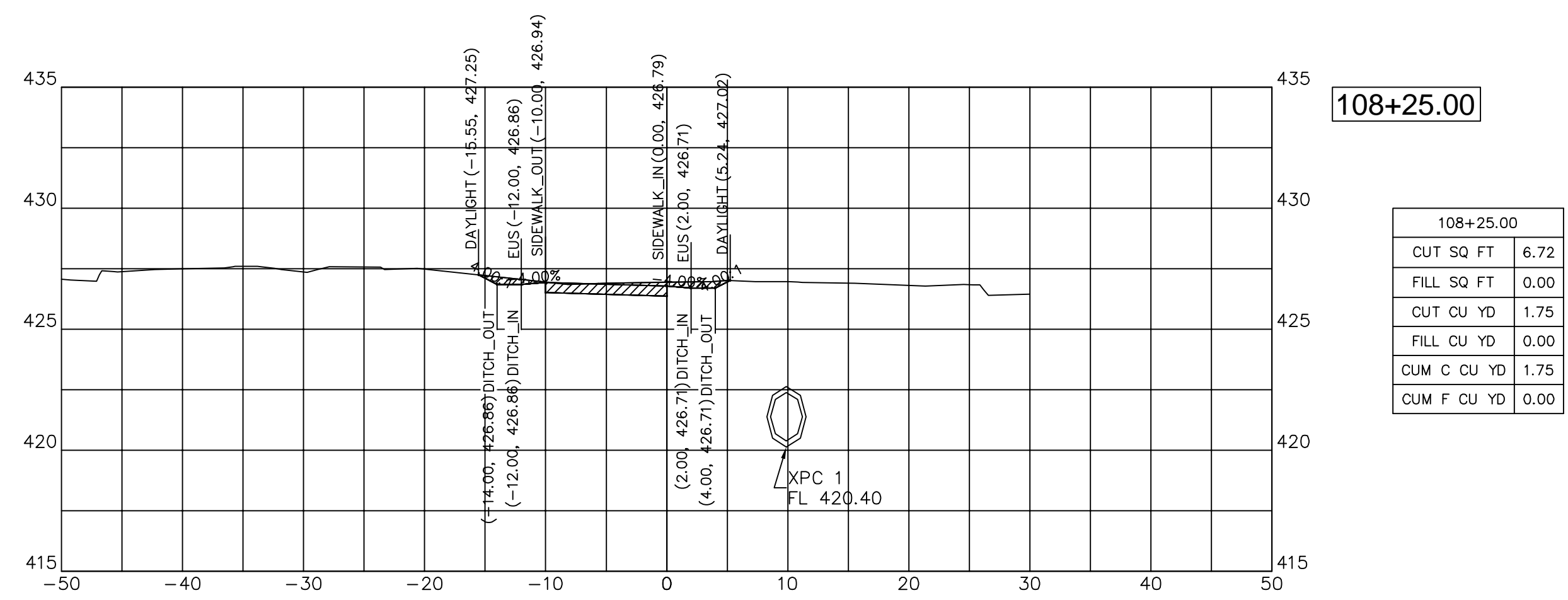
**108+50.00**

CUT SQ FT	10.53
FILL SQ FT	0.00
CUT CU YD	7.98
FILL CU YD	0.00
CUM C CU YD	9.73
CUM F CU YD	0.00



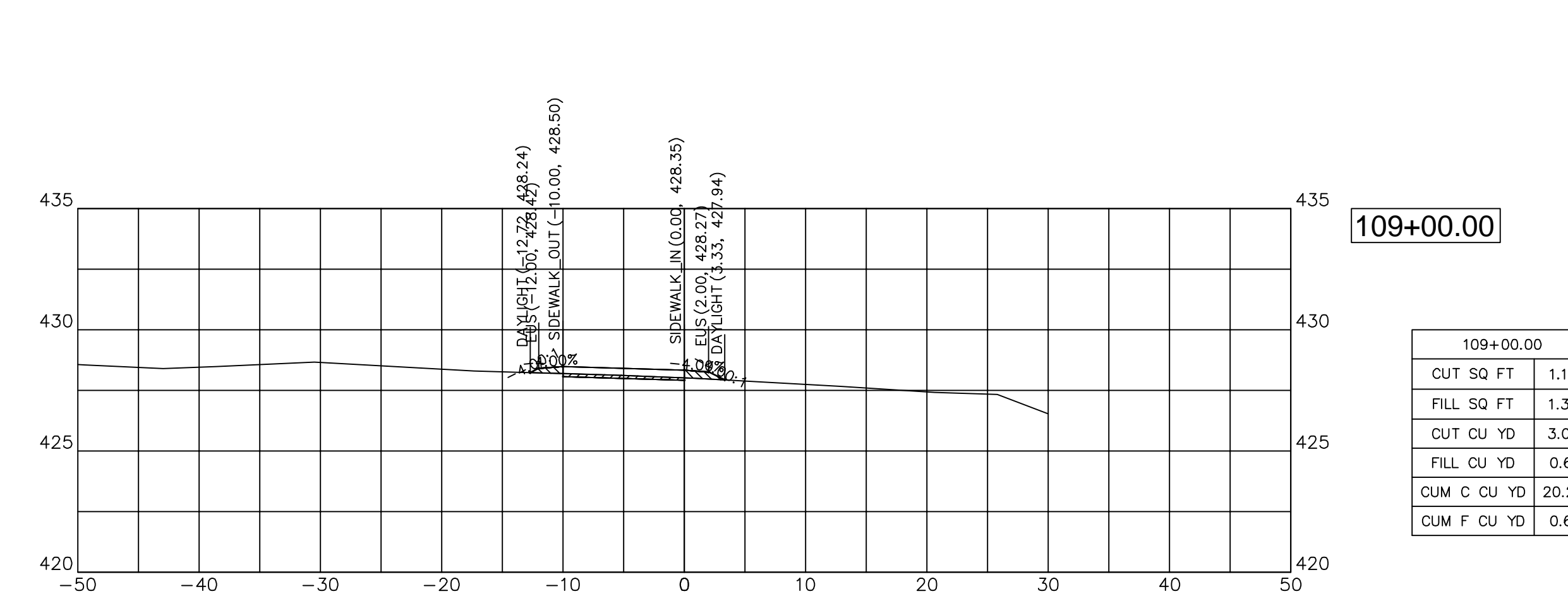
**109+25.00**

CUT SQ FT	0.00
FILL SQ FT	8.39
CUT CU YD	0.53
FILL CU YD	4.50
CUM C CU YD	20.77
CUM F CU YD	5.11



**108+25.00**

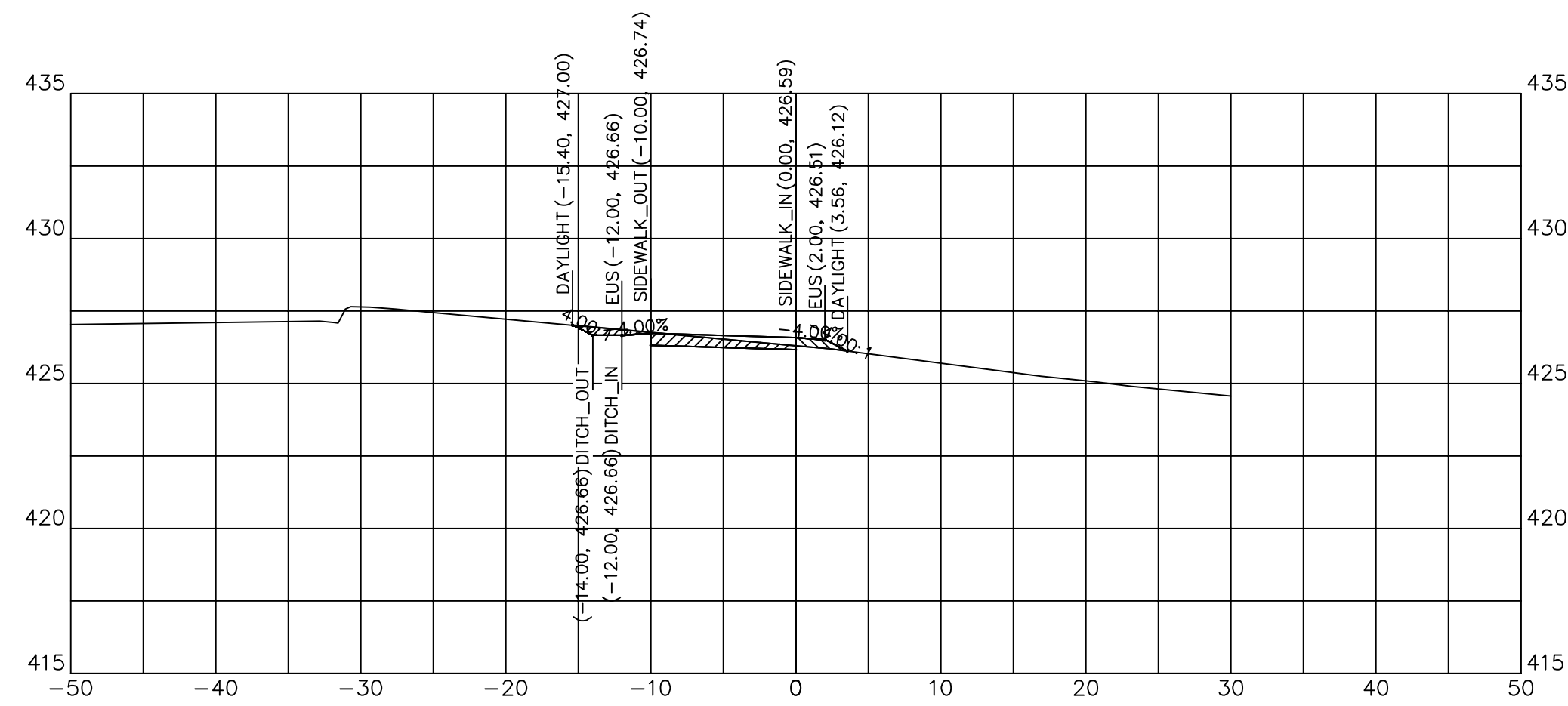
CUT SQ FT	6.72
FILL SQ FT	0.00
CUT CU YD	1.75
FILL CU YD	0.00
CUM C CU YD	1.75
CUM F CU YD	0.00



**109+00.00**

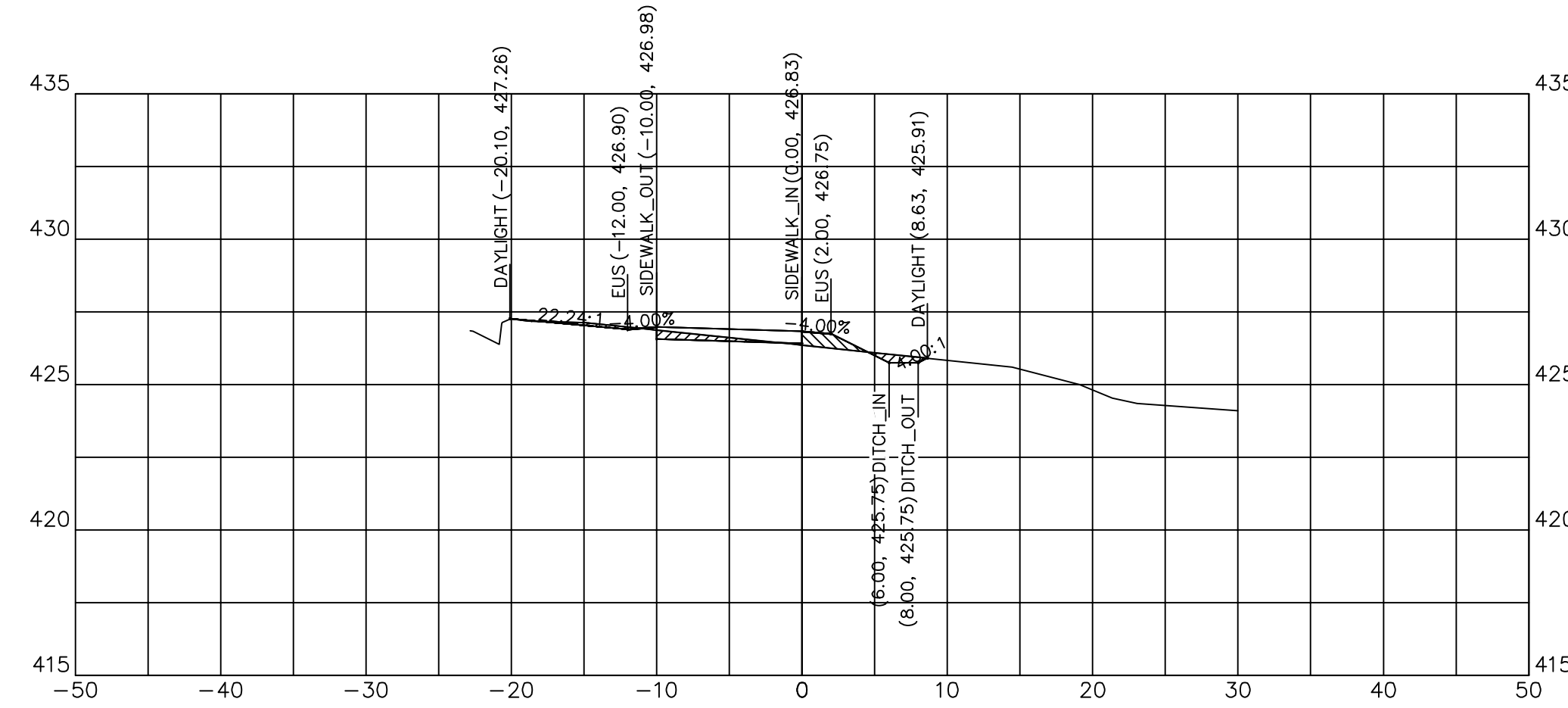
CUT SQ FT	1.14
FILL SQ FT	1.33
CUT CU YD	3.08
FILL CU YD	0.61
CUM C CU YD	20.24
CUM F CU YD	0.61





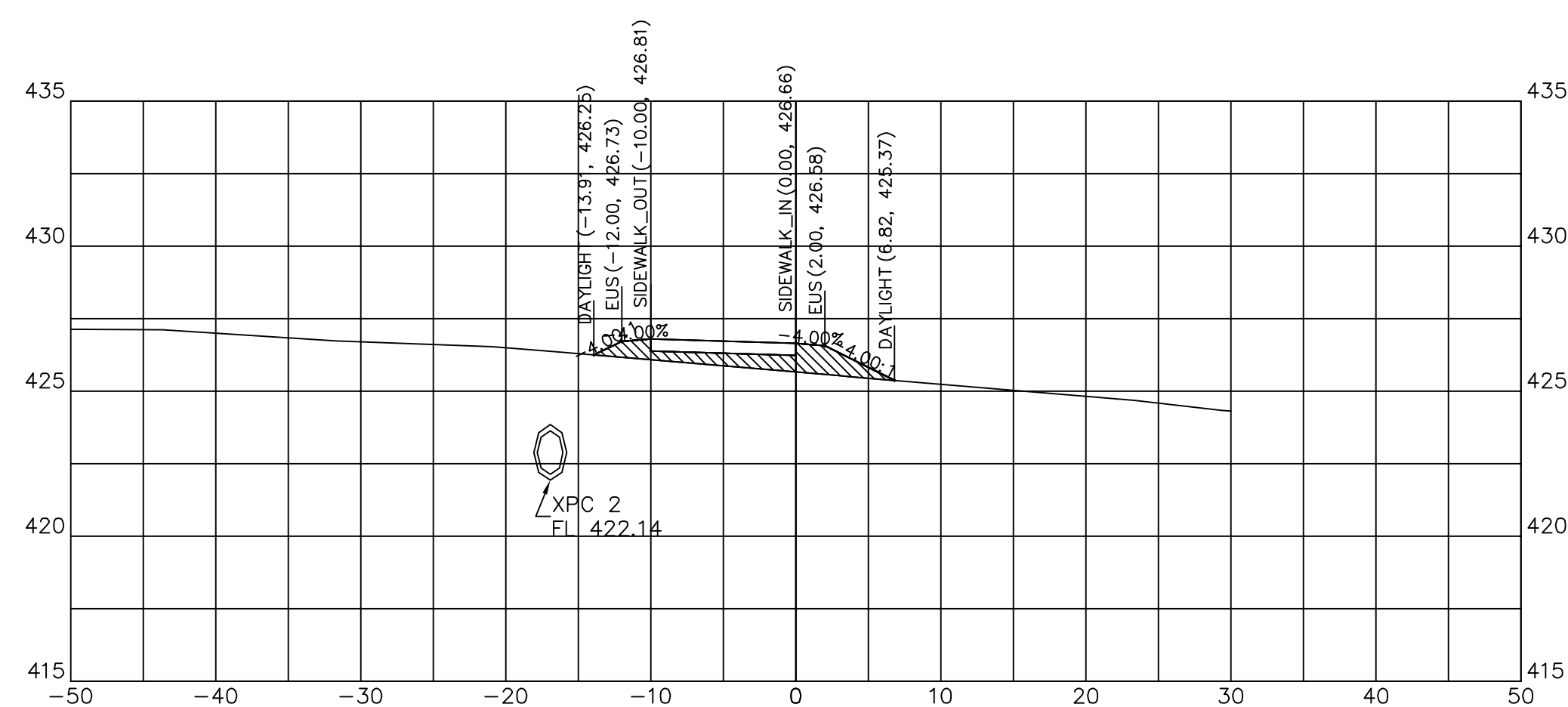
110+01.58

110+01.58	
CUT SQ FT	3.79
FILL SQ FT	0.78
CUT CU YD	0.24
FILL CU YD	0.05
CUM C CU YD	22.59
CUM F CU YD	36.12



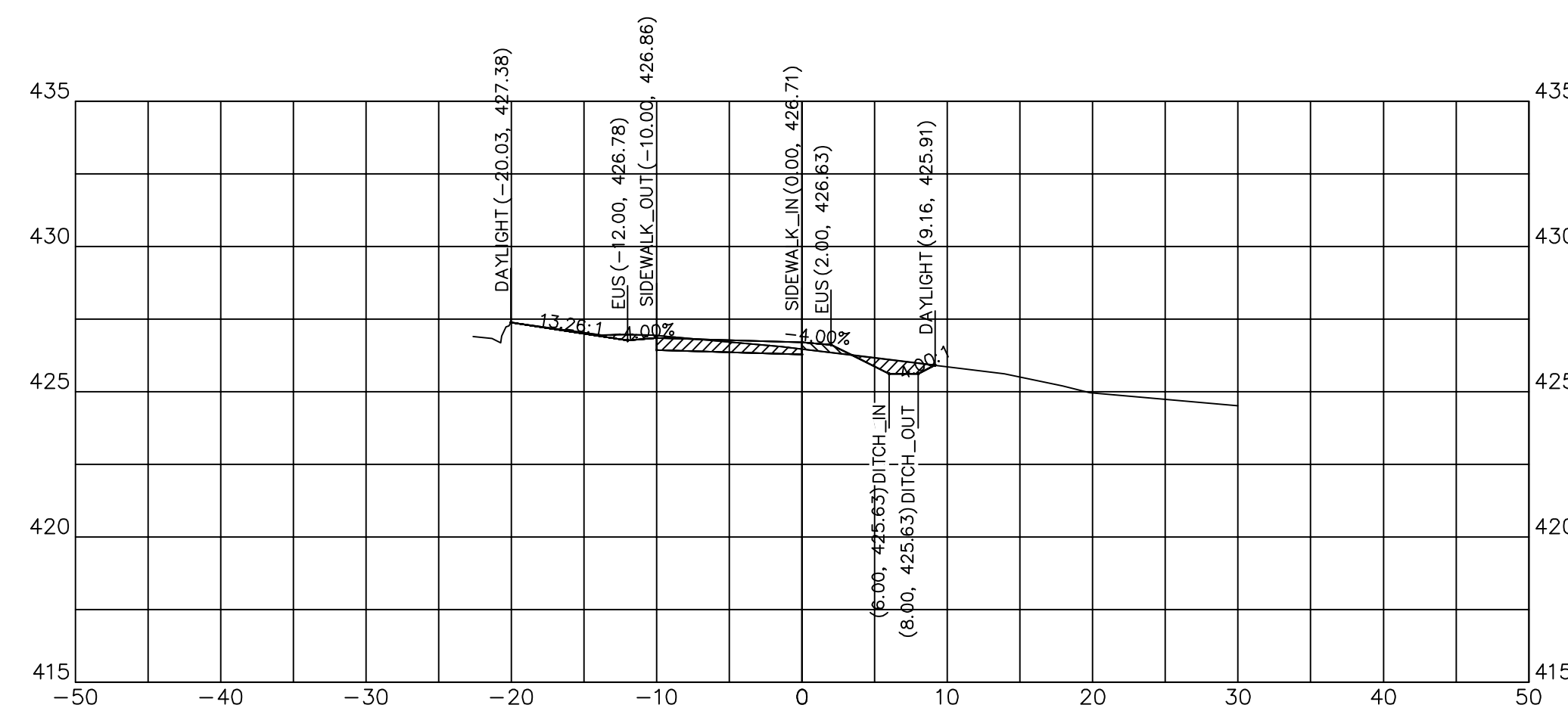
110+50.00

110+50.00	
CUT SQ FT	2.46
FILL SQ FT	1.71
CUT CU YD	3.72
FILL CU YD	1.08
CUM C CU YD	31.03
CUM F CU YD	37.83



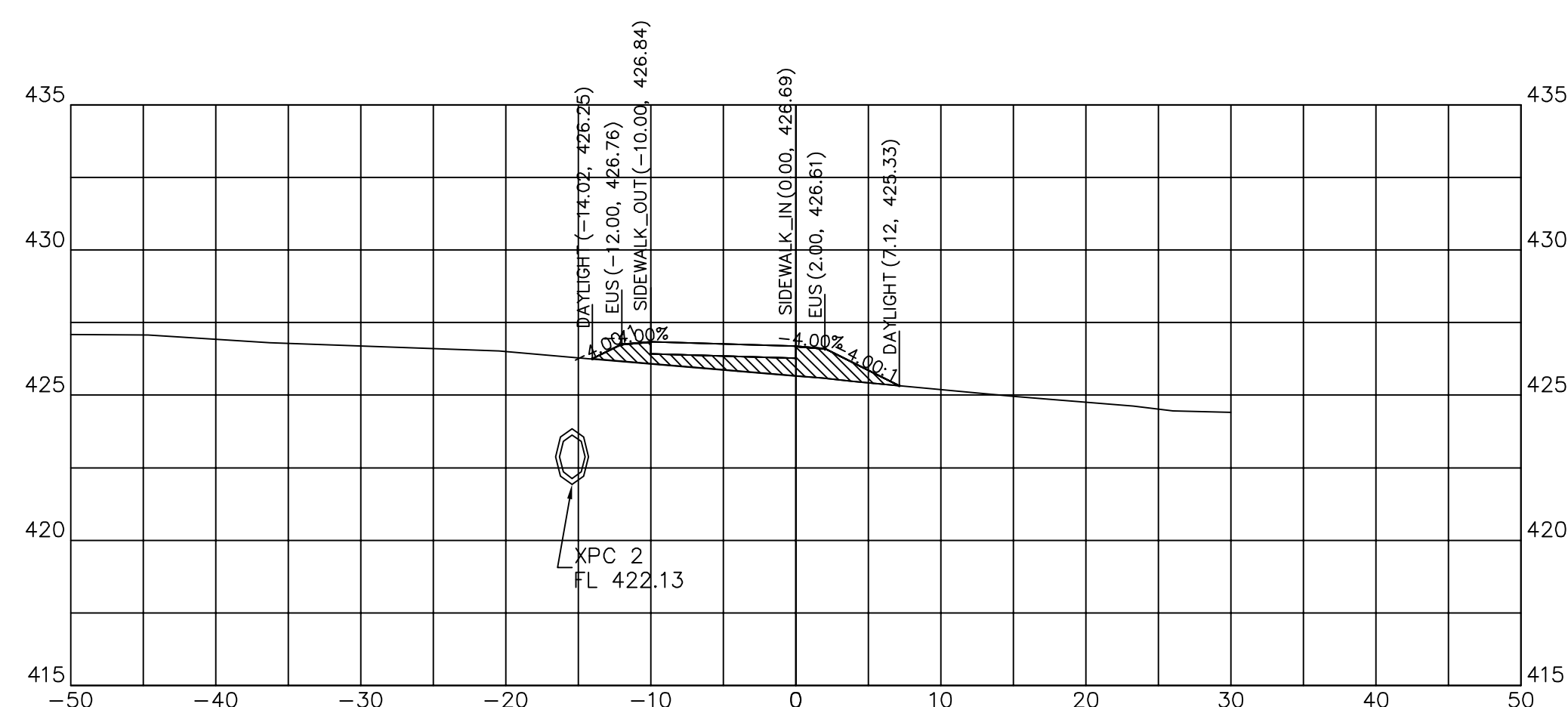
109+77.44

109+77.44	
CUT SQ FT	0.00
FILL SQ FT	10.53
CUT CU YD	0.00
FILL CU YD	0.99
CUM C CU YD	20.77
CUM F CU YD	31.12



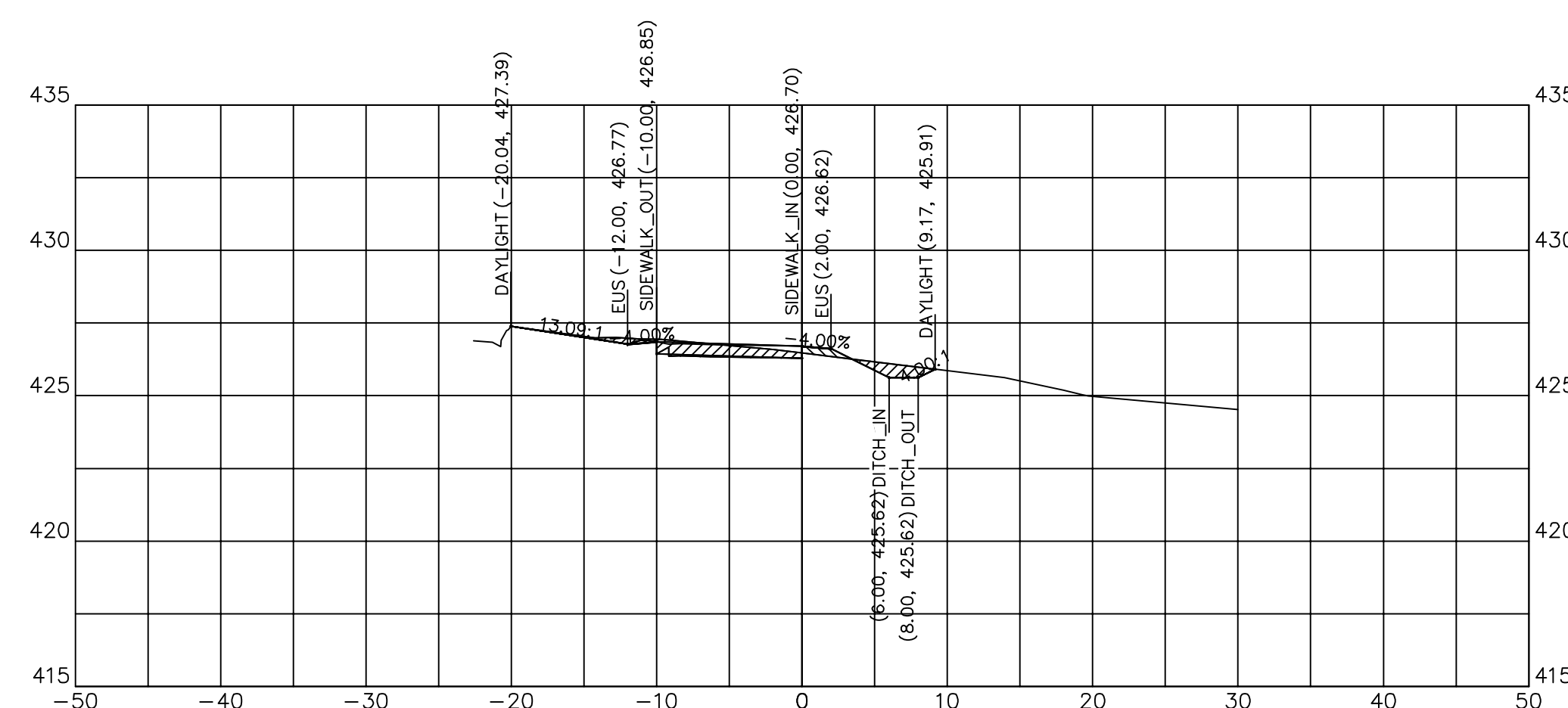
110+25.71

110+25.71	
CUT SQ FT	5.80
FILL SQ FT	0.69
CUT CU YD	0.15
FILL CU YD	0.02
CUM C CU YD	27.31
CUM F CU YD	36.76



109+75.00

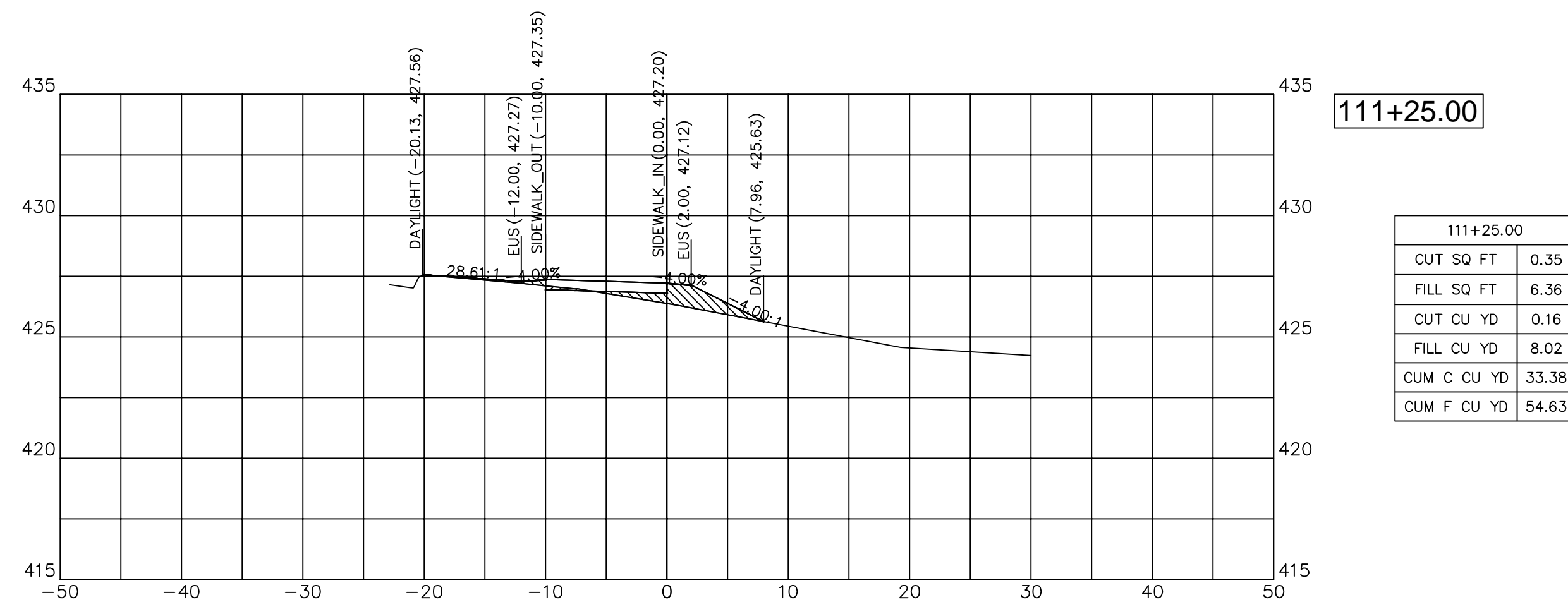
109+75.00	
CUT SQ FT	0.00
FILL SQ FT	11.31
CUT CU YD	0.00
FILL CU YD	13.19
CUM C CU YD	20.77
CUM F CU YD	30.13



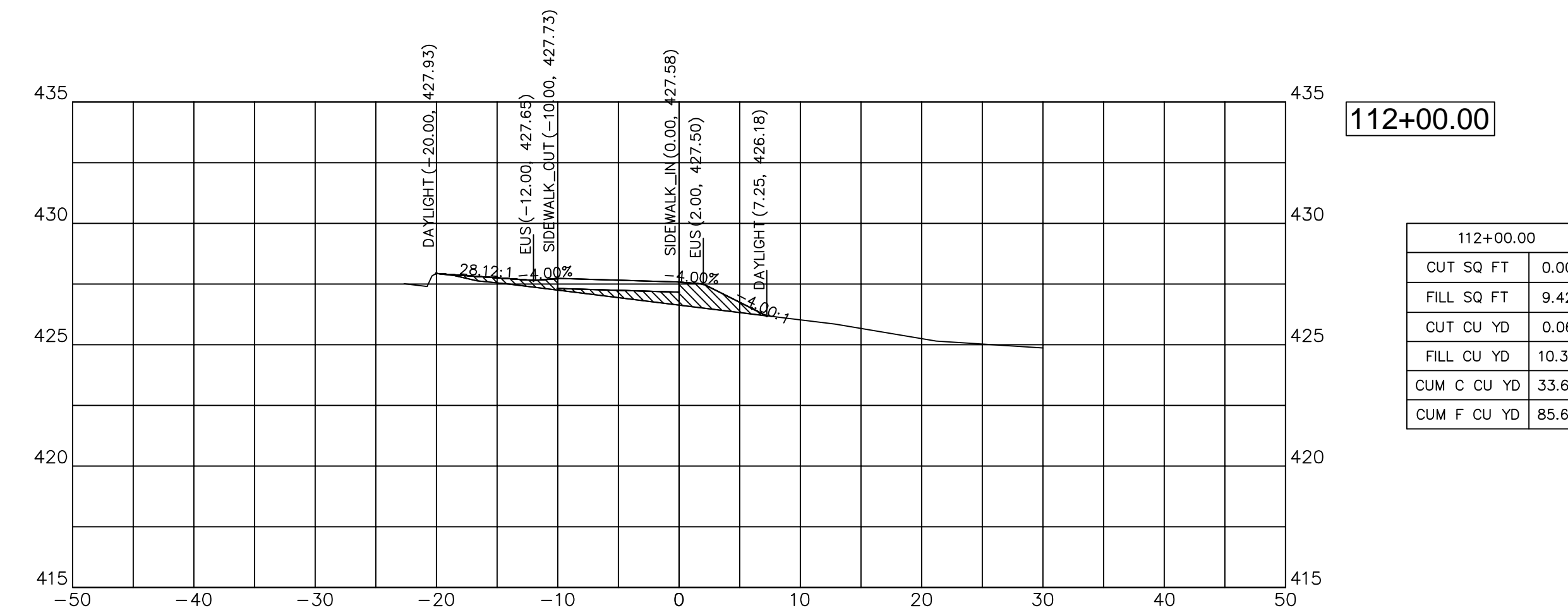
110+25.00

110+25.00	
CUT SQ FT	5.98
FILL SQ FT	0.68
CUT CU YD	4.57
FILL CU YD	0.62
CUM C CU YD	27.16
CUM F CU YD	36.74

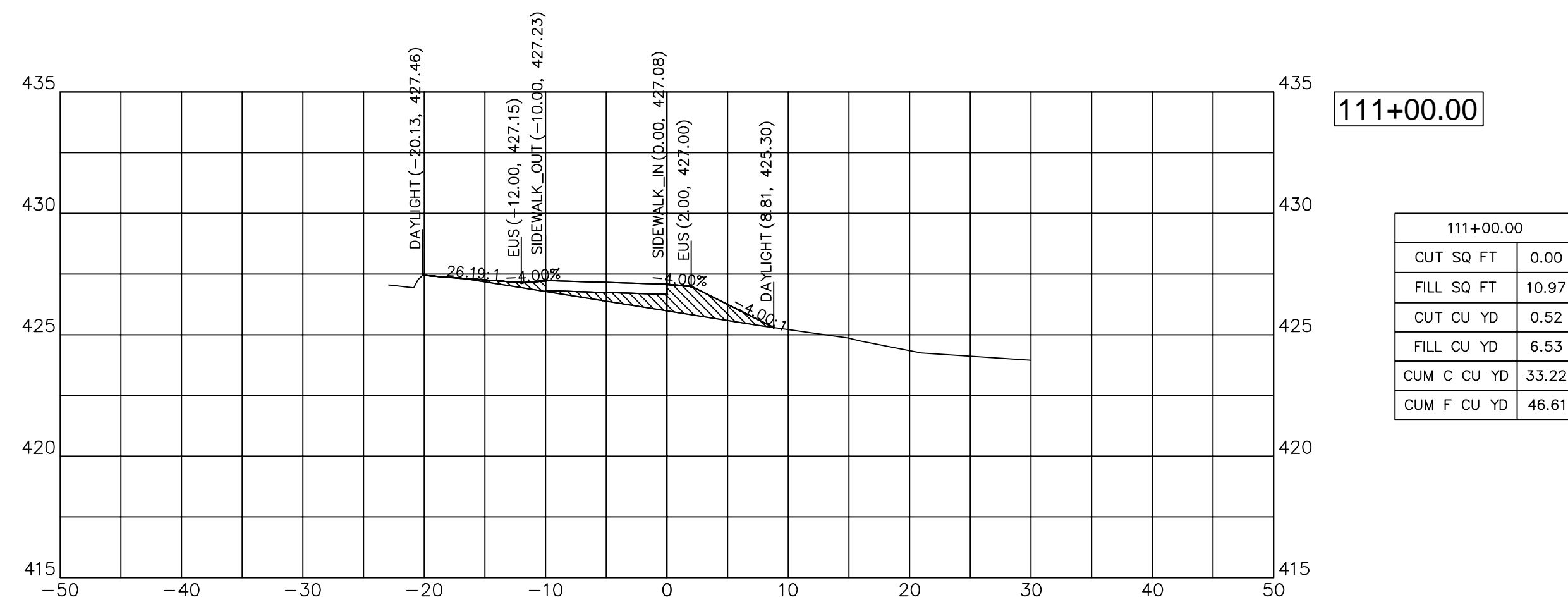




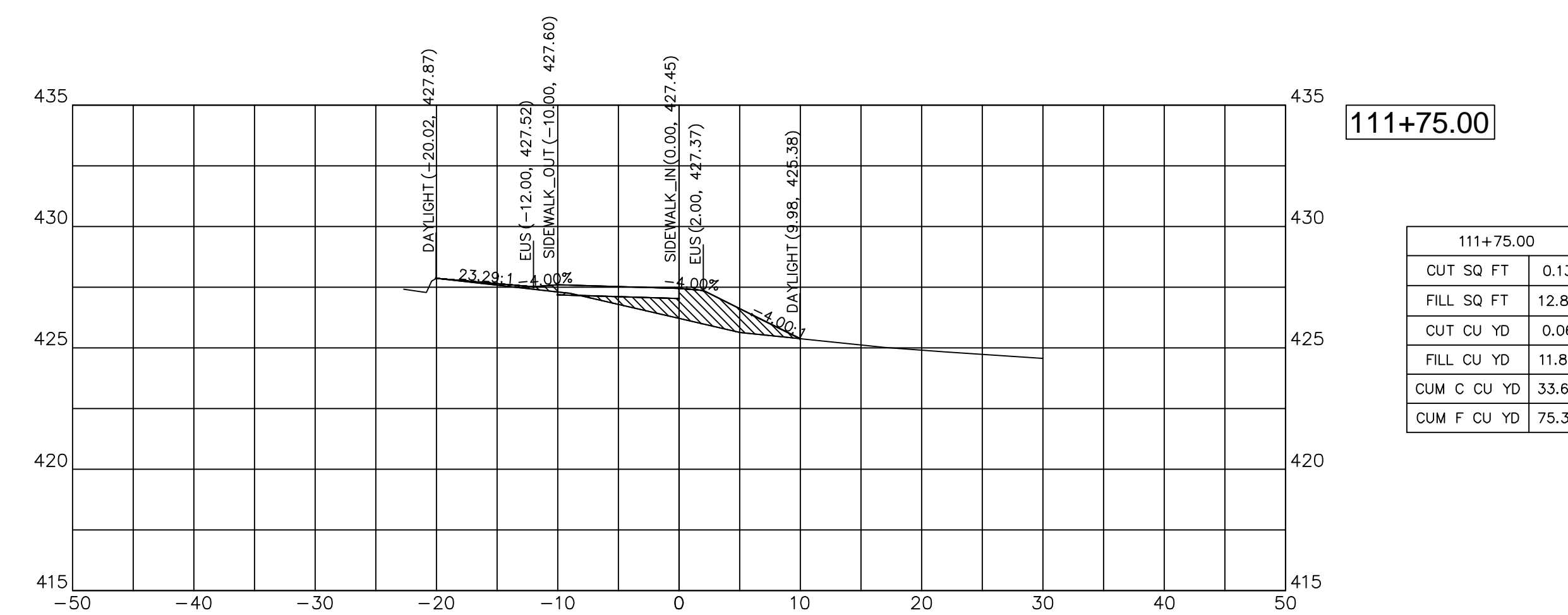
111+25.00	
CUT SQ FT	0.35
FILL SQ FT	6.36
CUT CU YD	0.16
FILL CU YD	8.02
CUM C CU YD	33.38
CUM F CU YD	54.63



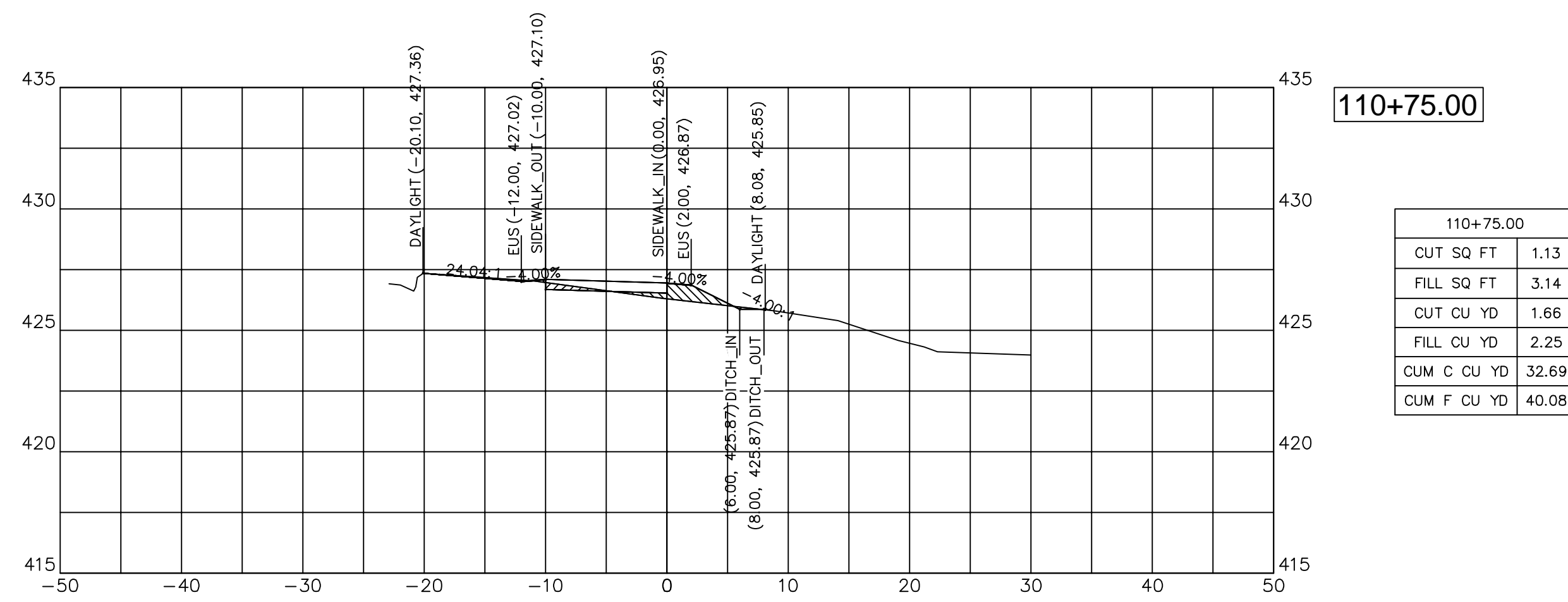
112+00.00	
CUT SQ FT	0.00
FILL SQ FT	9.42
CUT CU YD	0.06
FILL CU YD	10.33
CUM C CU YD	33.66
CUM F CU YD	85.68



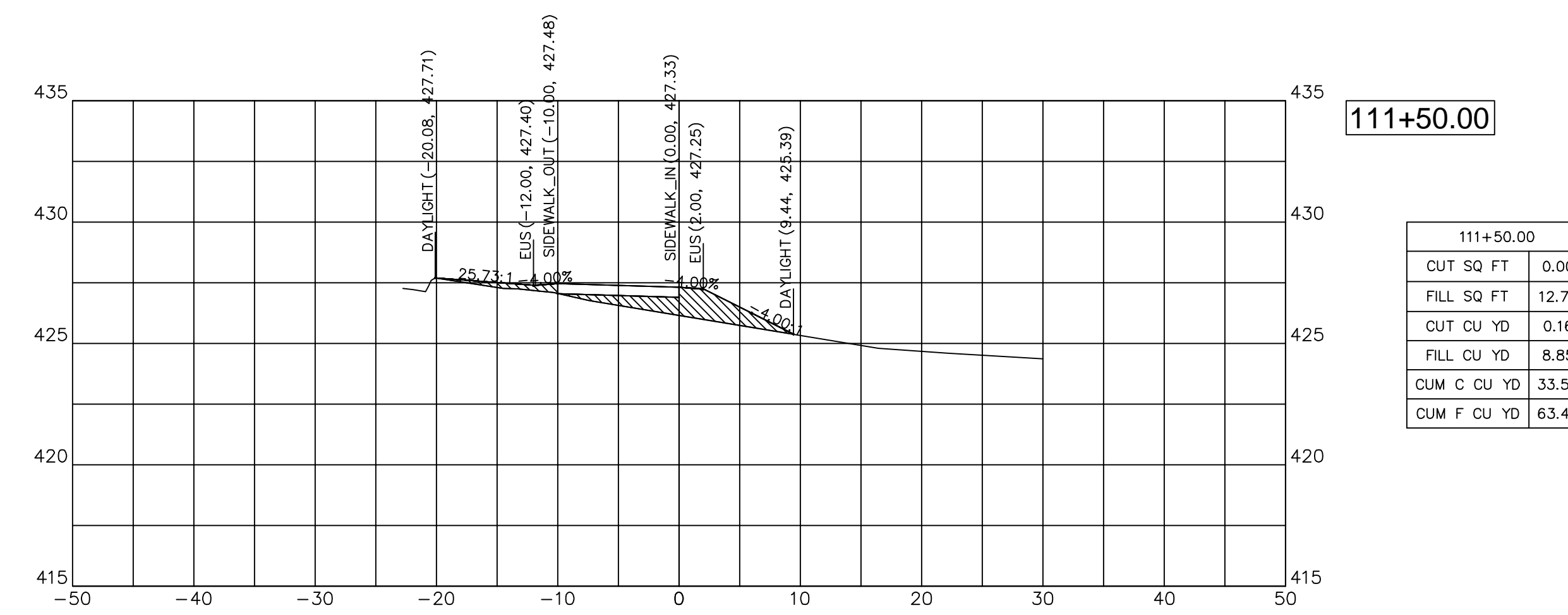
111+00.00	
CUT SQ FT	0.00
FILL SQ FT	10.97
CUT CU YD	0.52
FILL CU YD	6.53
CUM C CU YD	33.22
CUM F CU YD	46.61



111+75.00	
CUT SQ FT	0.13
FILL SQ FT	12.89
CUT CU YD	0.06
FILL CU YD	11.87
CUM C CU YD	33.60
CUM F CU YD	75.35



110+75.00	
CUT SQ FT	1.13
FILL SQ FT	3.14
CUT CU YD	1.66
FILL CU YD	2.25
CUM C CU YD	32.69
CUM F CU YD	40.08



111+50.00	
CUT SQ FT	0.00
FILL SQ FT	12.76
CUT CU YD	0.16
FILL CU YD	8.85
CUM C CU YD	33.54
CUM F CU YD	63.48

JOHN H. CRAWFORD & ASSOCIATES, P.C.  
 CIVIL ENGINEERS, LAND SURVEYORS  
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62918  
 PHONE (618) 985-6370 FAX (618) 985-4692  
 PROFESSIONAL DESIGN FIRM # 184-002865

DESIGNED — JHC  
 DRAWN — JHC  
 CHECKED — WDS  
 DATE — 03/27/20

REVISED —  
 REVISED —  
 REVISED —  
 REVISED — 07/11/20

JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

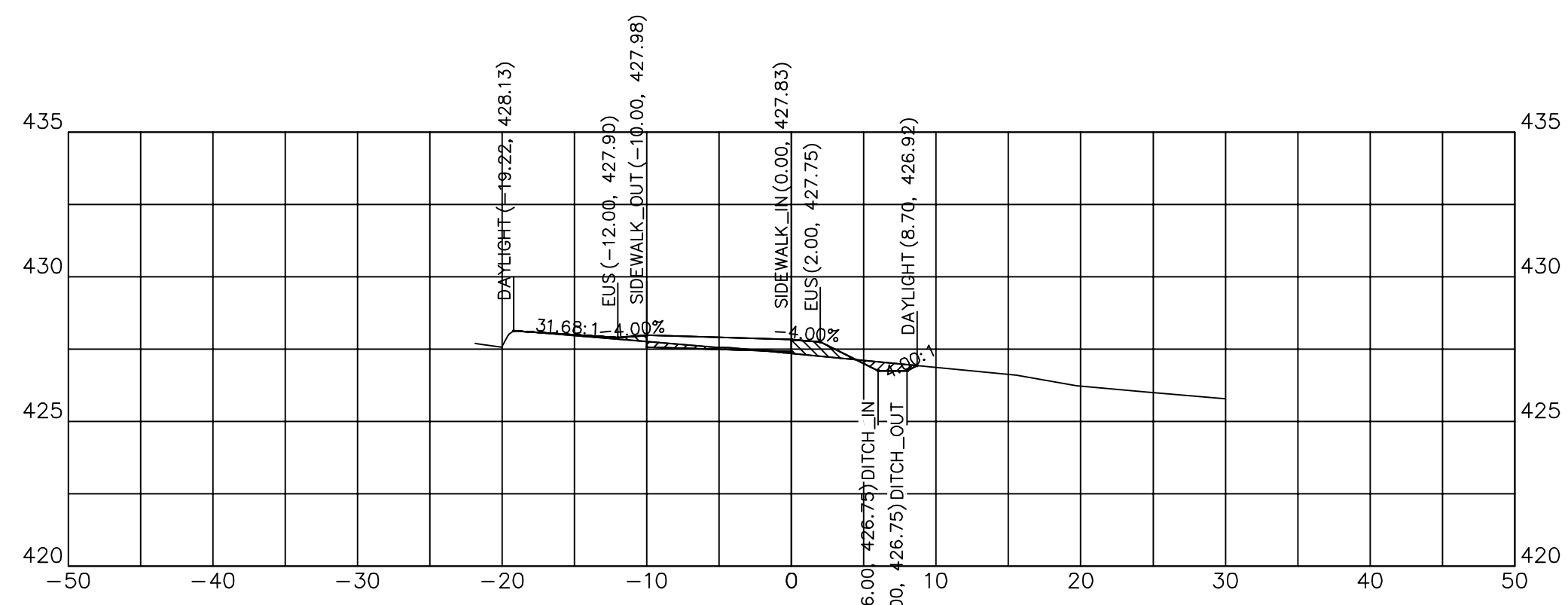
CROSS SECTIONS  
 MULTI-USE PATH

SCALE: HOR: 1"=10'  
 VERT: 1"=5'

SHEET 3 OF 36 SHEETS STA. 110+50 TO STA. 111+75

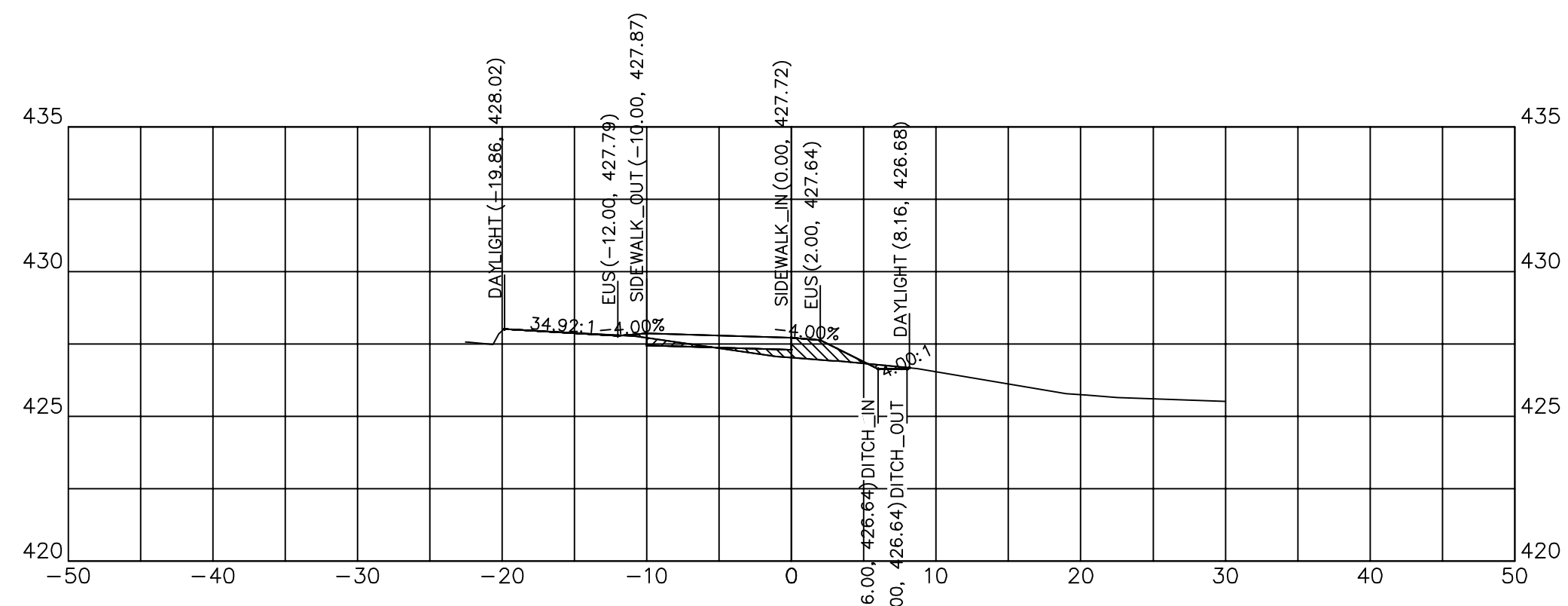
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	32
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				





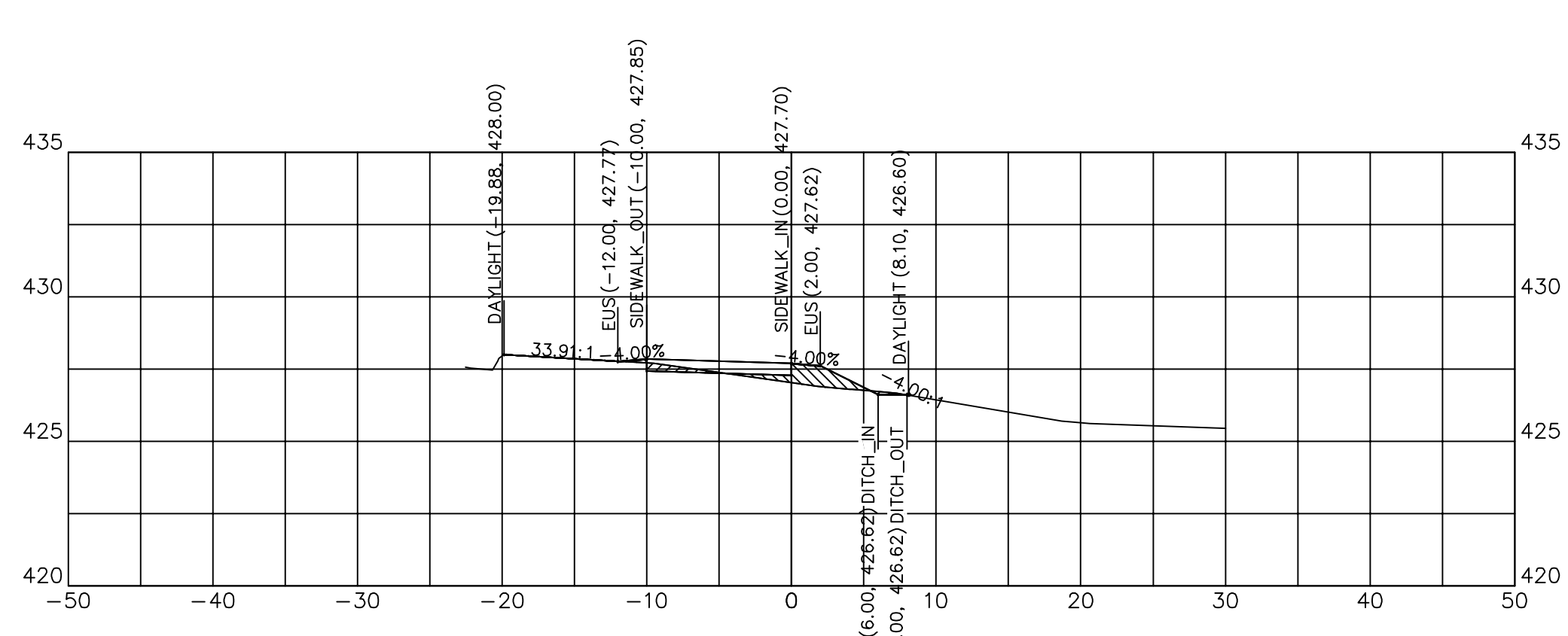
112+50.00

112+50.00	
CUT SQ FT	1.60
FILL SQ FT	2.13
CUT CU YD	0.98
FILL CU YD	2.19
CUM C CU YD	35.22
CUM F CU YD	94.21



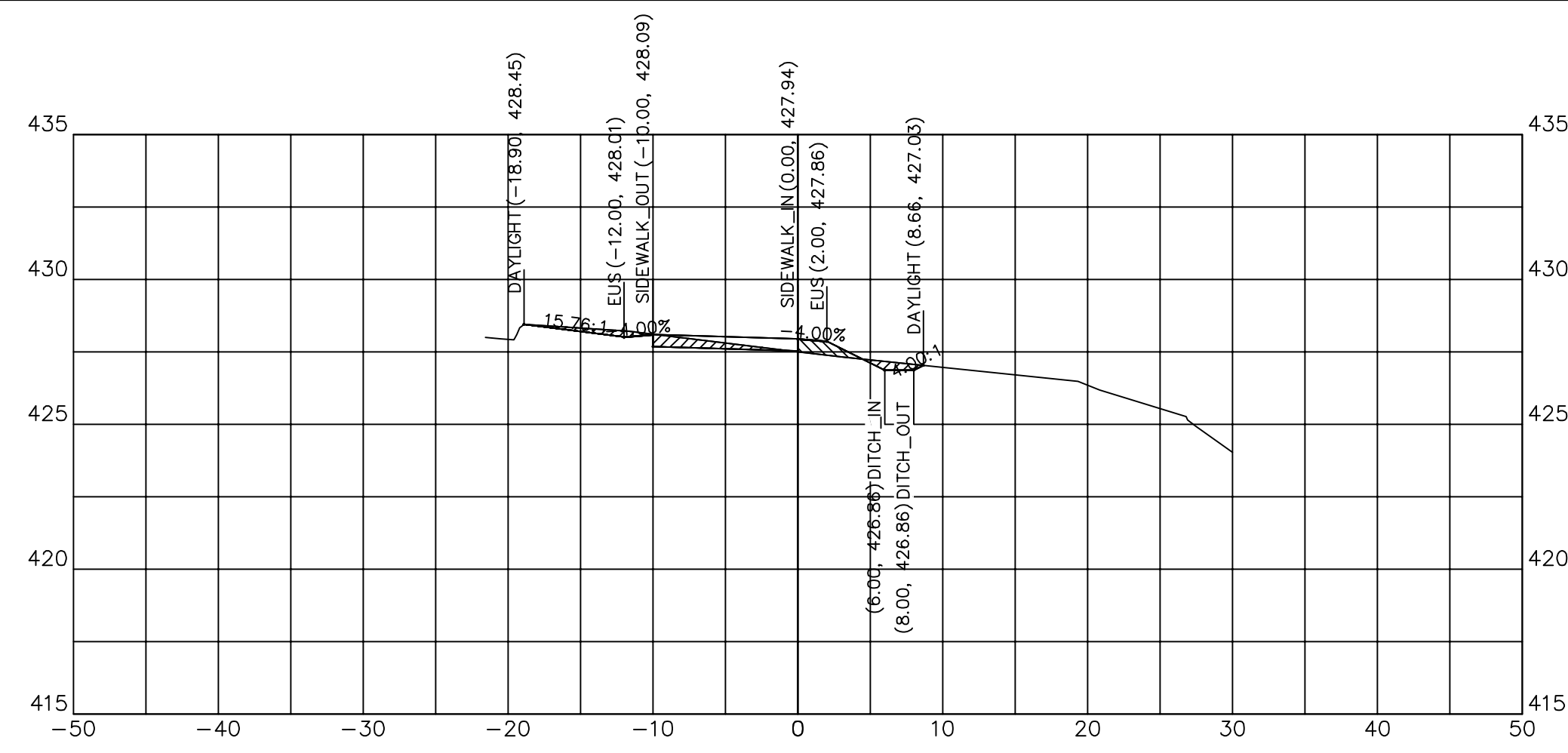
112+28.60

112+28.60	
CUT SQ FT	0.86
FILL SQ FT	3.39
CUT CU YD	0.12
FILL CU YD	0.45
CUM C CU YD	34.24
CUM F CU YD	92.02



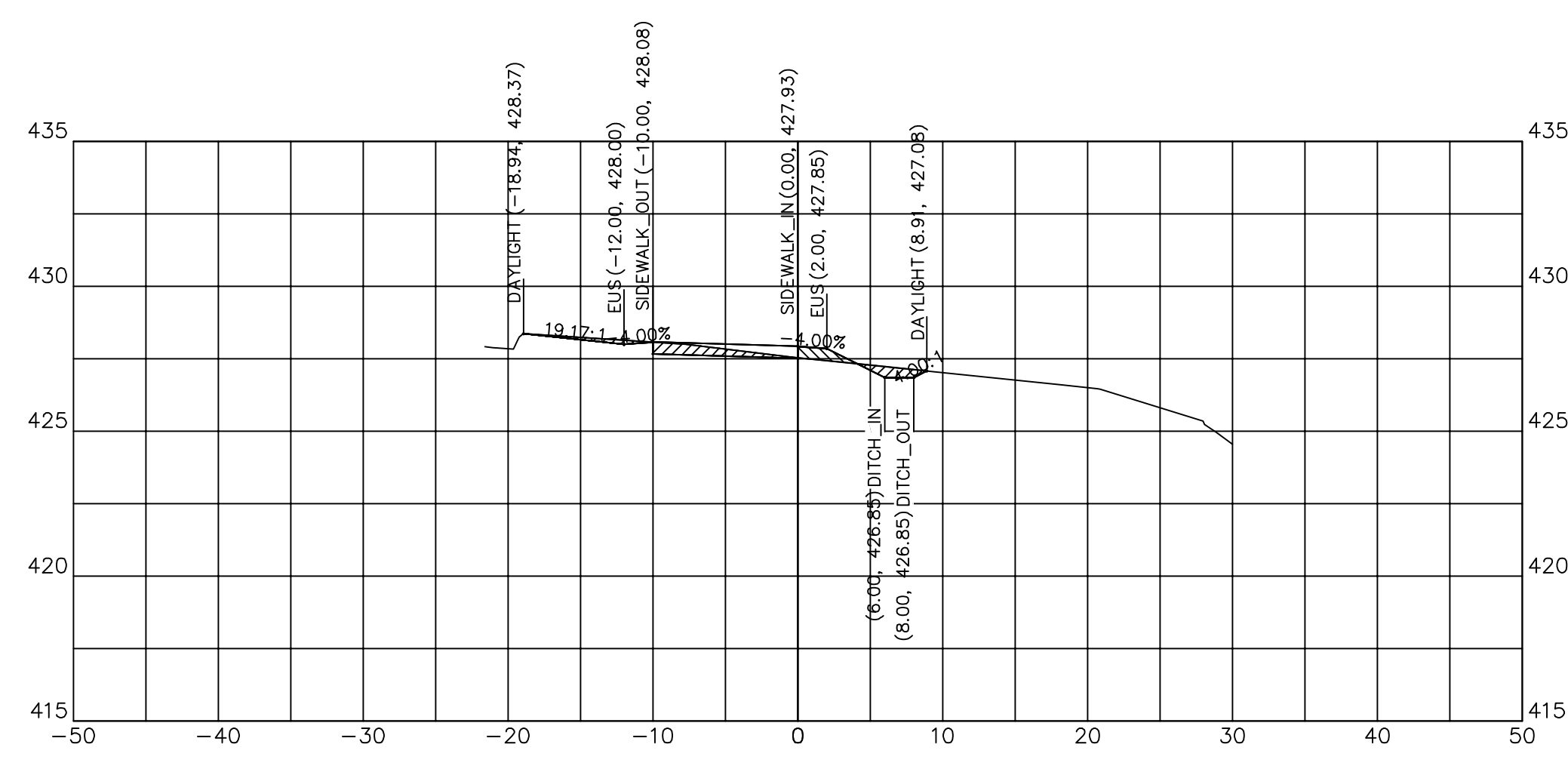
112+25.00

112+25.00	
CUT SQ FT	0.98
FILL SQ FT	3.32
CUT CU YD	0.45
FILL CU YD	5.90
CUM C CU YD	34.11
CUM F CU YD	91.58



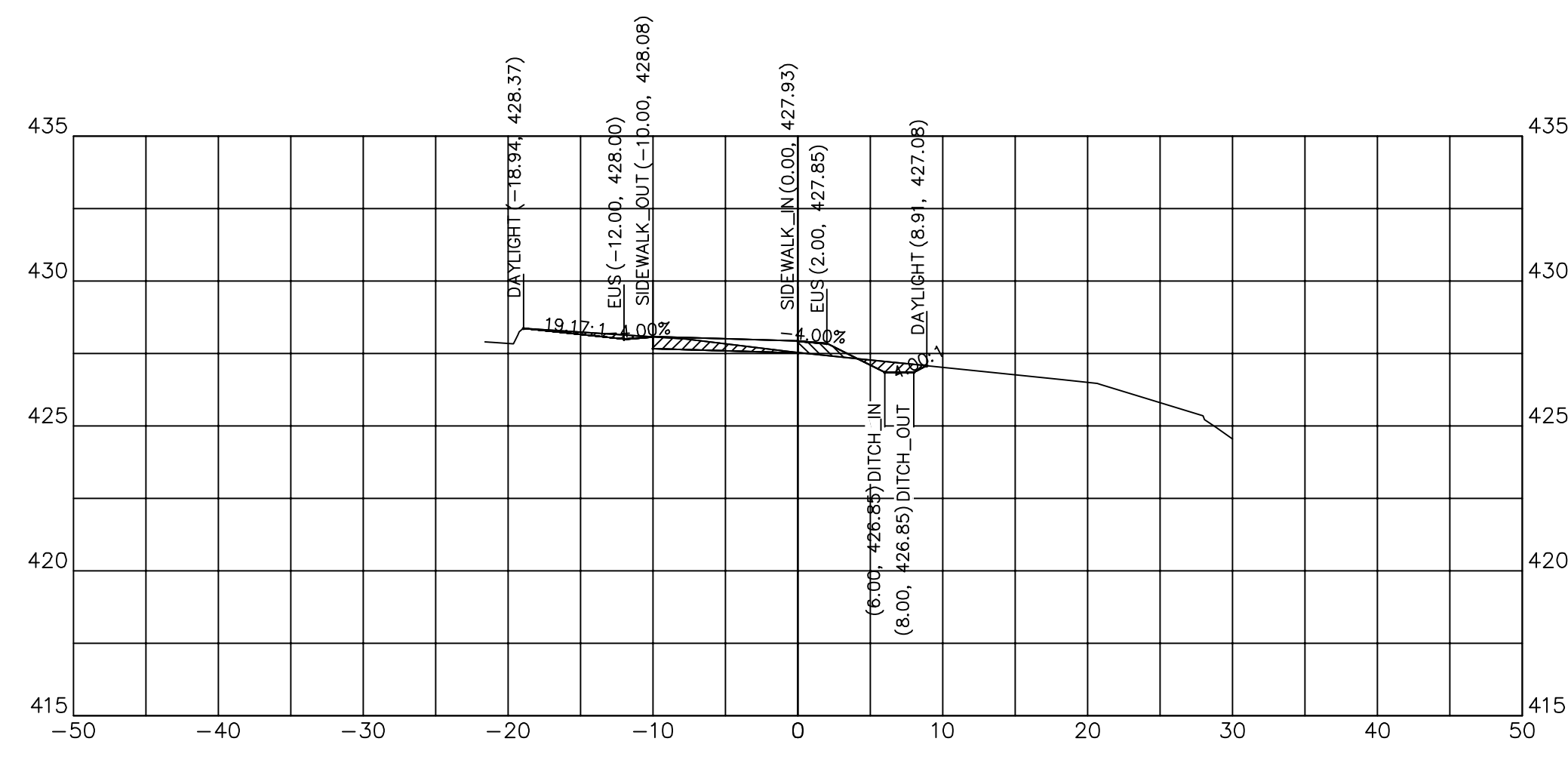
112+80.75

112+80.75	
CUT SQ FT	3.86
FILL SQ FT	1.51
CUT CU YD	0.87
FILL CU YD	0.29
CUM C CU YD	38.80
CUM F CU YD	96.06



112+75.00

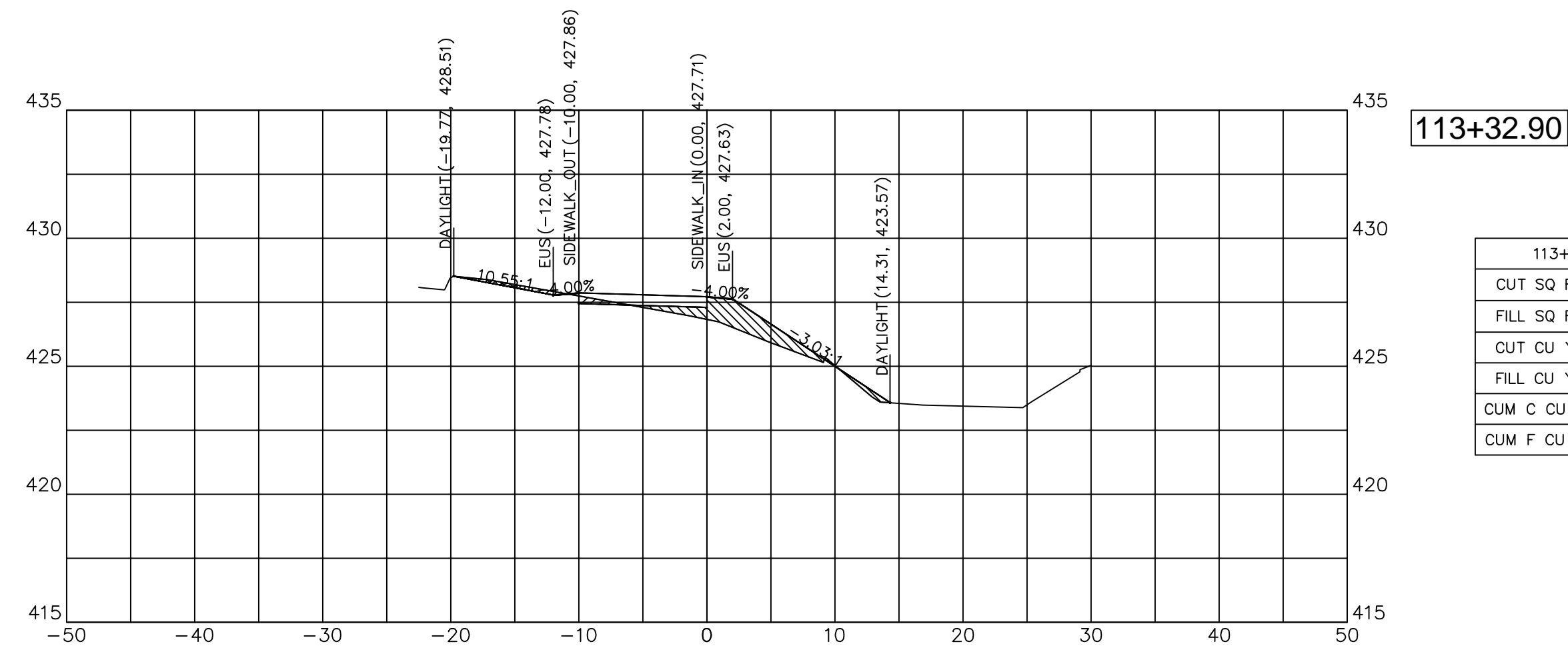
112+75.00	
CUT SQ FT	4.16
FILL SQ FT	1.23
CUT CU YD	2.70
FILL CU YD	1.56
CUM C CU YD	37.93
CUM F CU YD	95.77



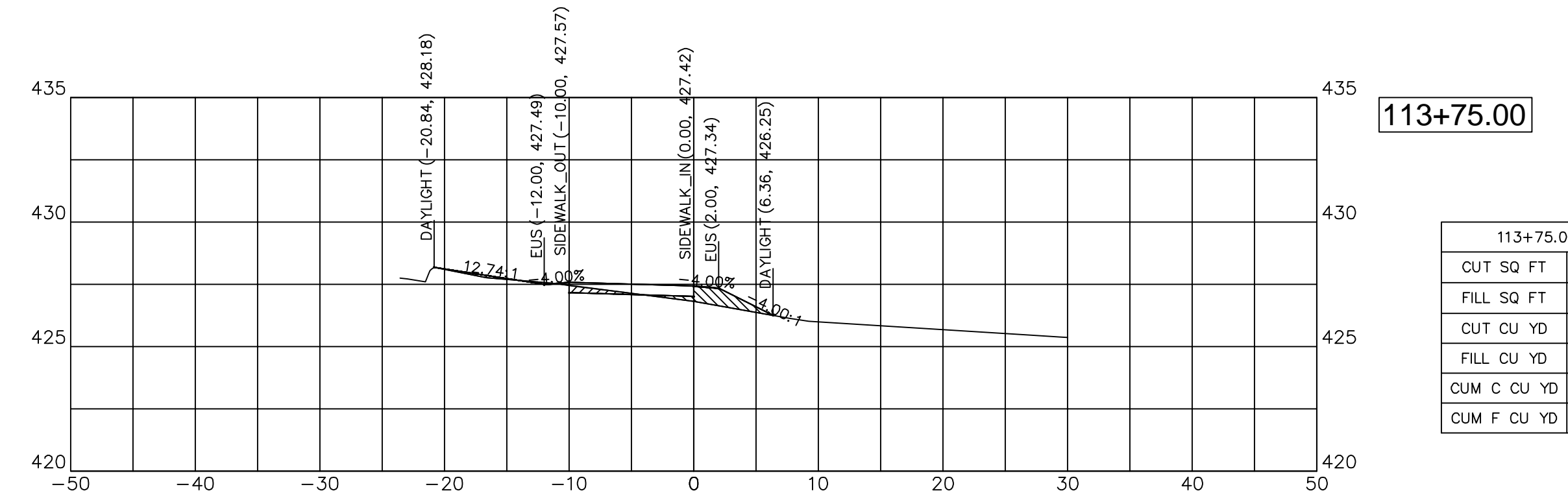
112+75.00

112+75.00	
CUT SQ FT	4.16
FILL SQ FT	1.23
CUT CU YD	2.70
FILL CU YD	1.56
CUM C CU YD	37.93
CUM F CU YD	95.77

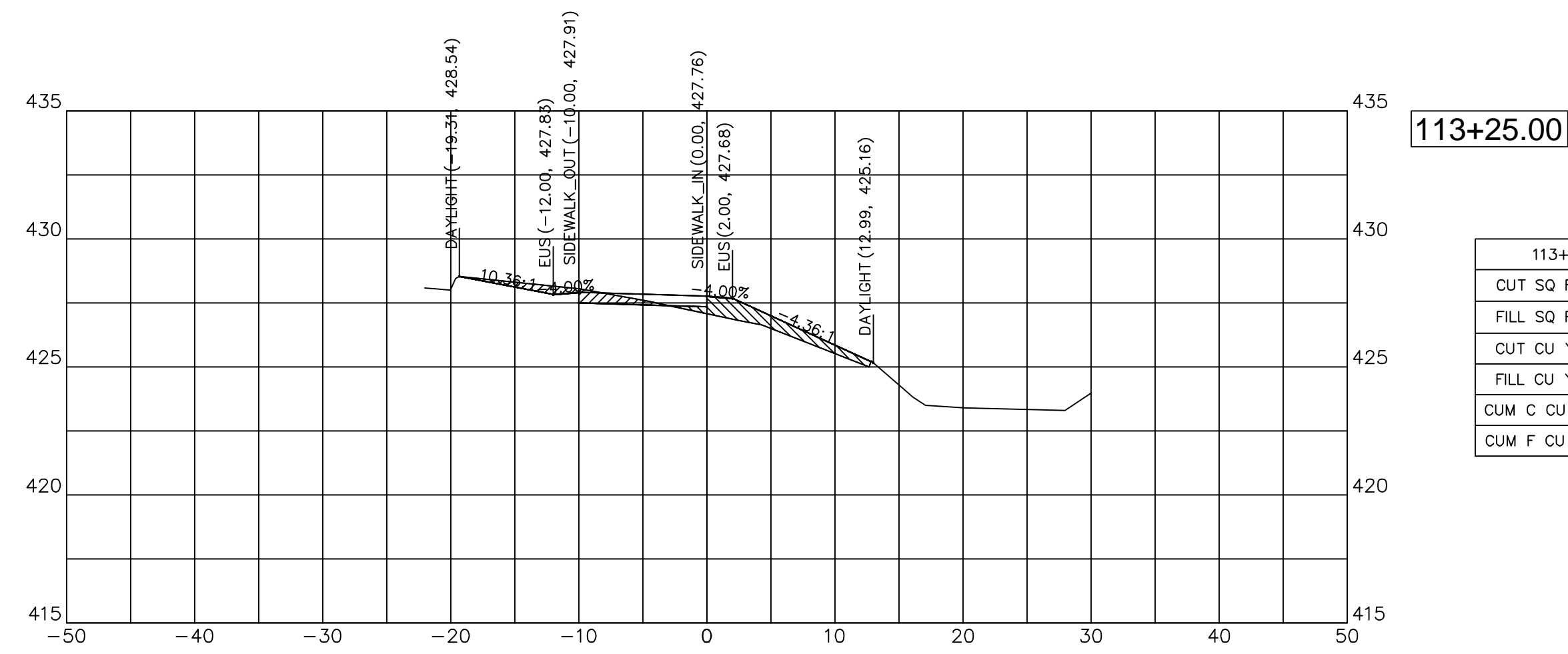




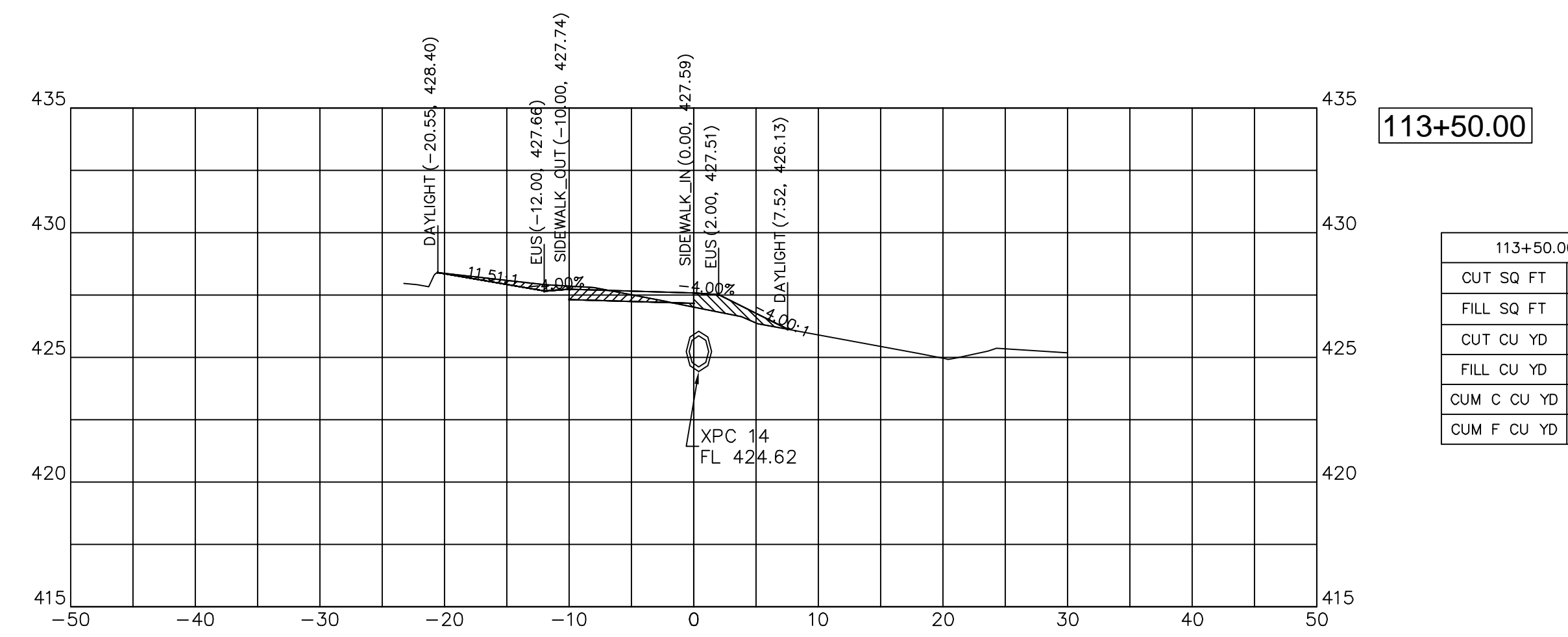
113+32.90	
CUT SQ FT	1.56
FILL SQ FT	8.34
CUT CU YD	0.81
FILL CU YD	2.13
CUM C CU YD	44.70
CUM F CU YD	103.53



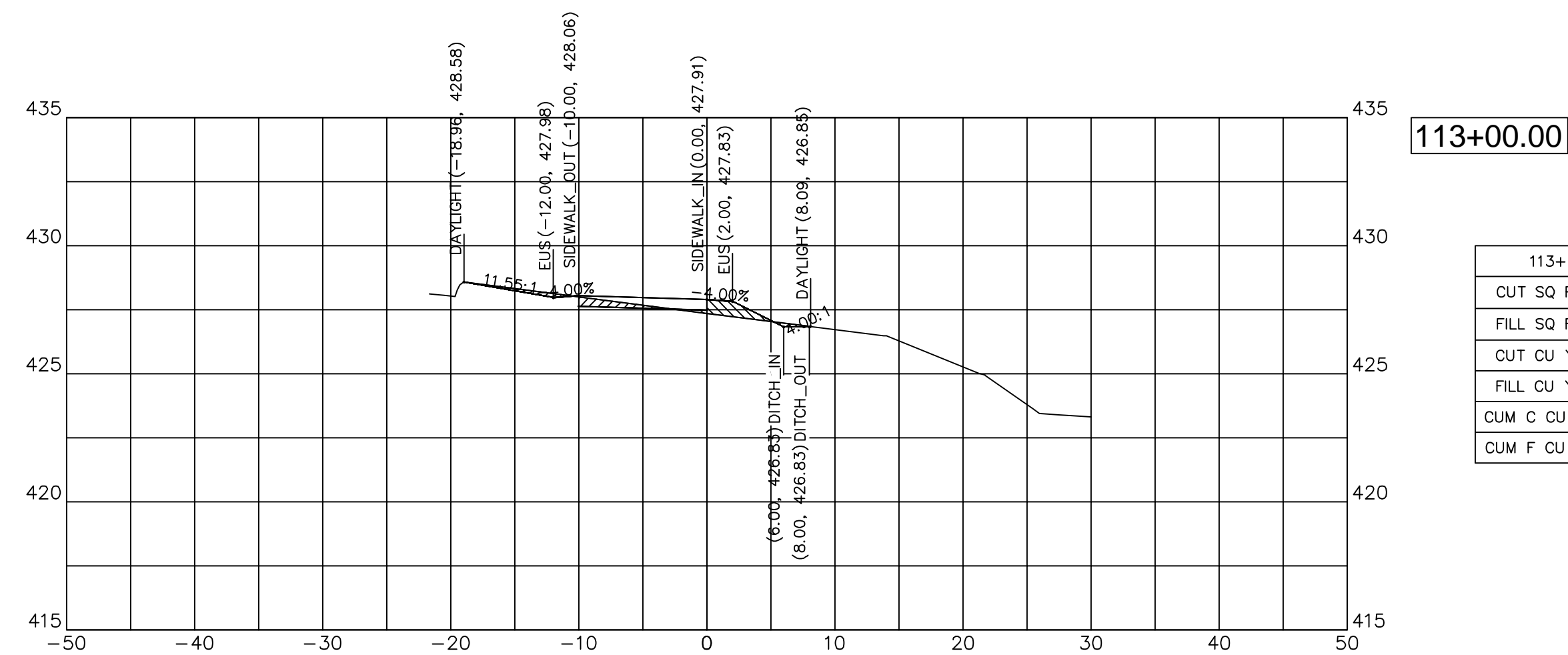
113+75.00	
CUT SQ FT	1.03
FILL SQ FT	3.52
CUT CU YD	2.32
FILL CU YD	3.23
CUM C CU YD	48.86
CUM F CU YD	112.64



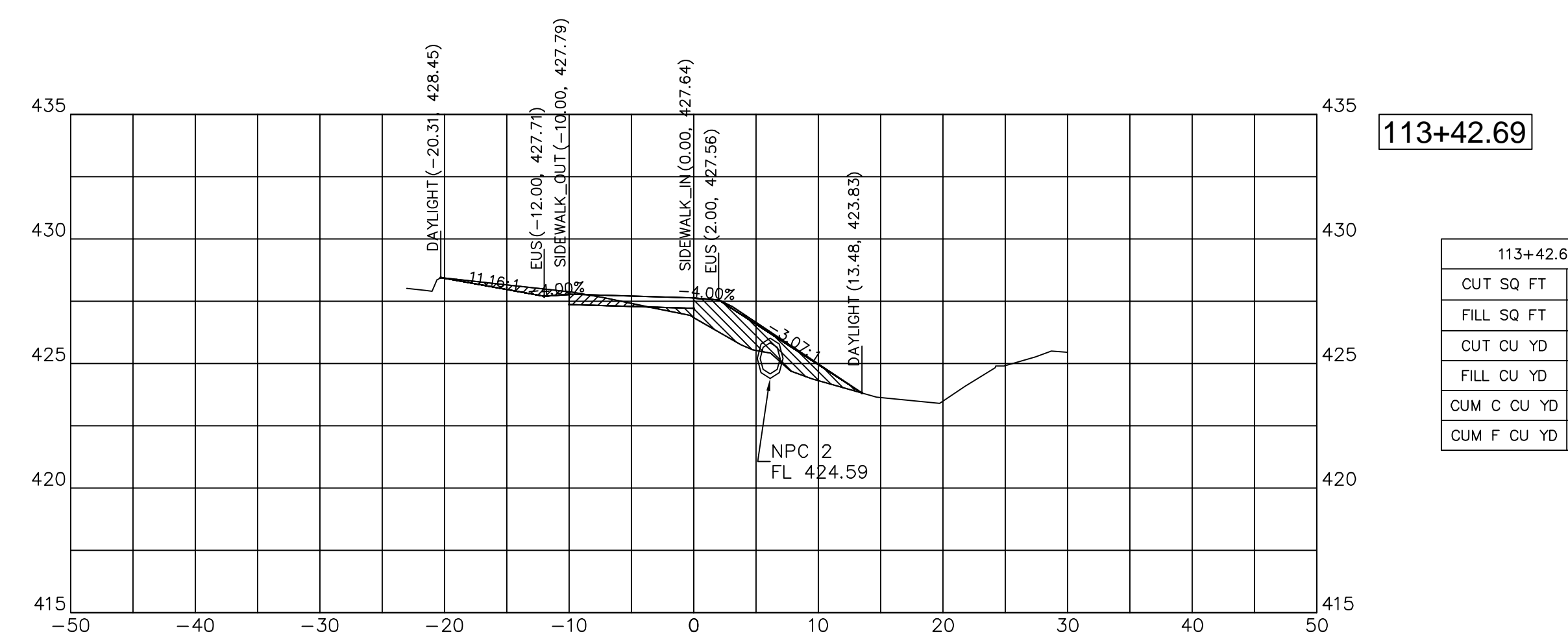
113+25.00	
CUT SQ FT	3.69
FILL SQ FT	6.53
CUT CU YD	2.86
FILL CU YD	4.00
CUM C CU YD	43.90
CUM F CU YD	101.40



113+50.00	
CUT SQ FT	4.15
FILL SQ FT	3.41
CUT CU YD	0.97
FILL CU YD	2.15
CUM C CU YD	46.54
CUM F CU YD	109.41

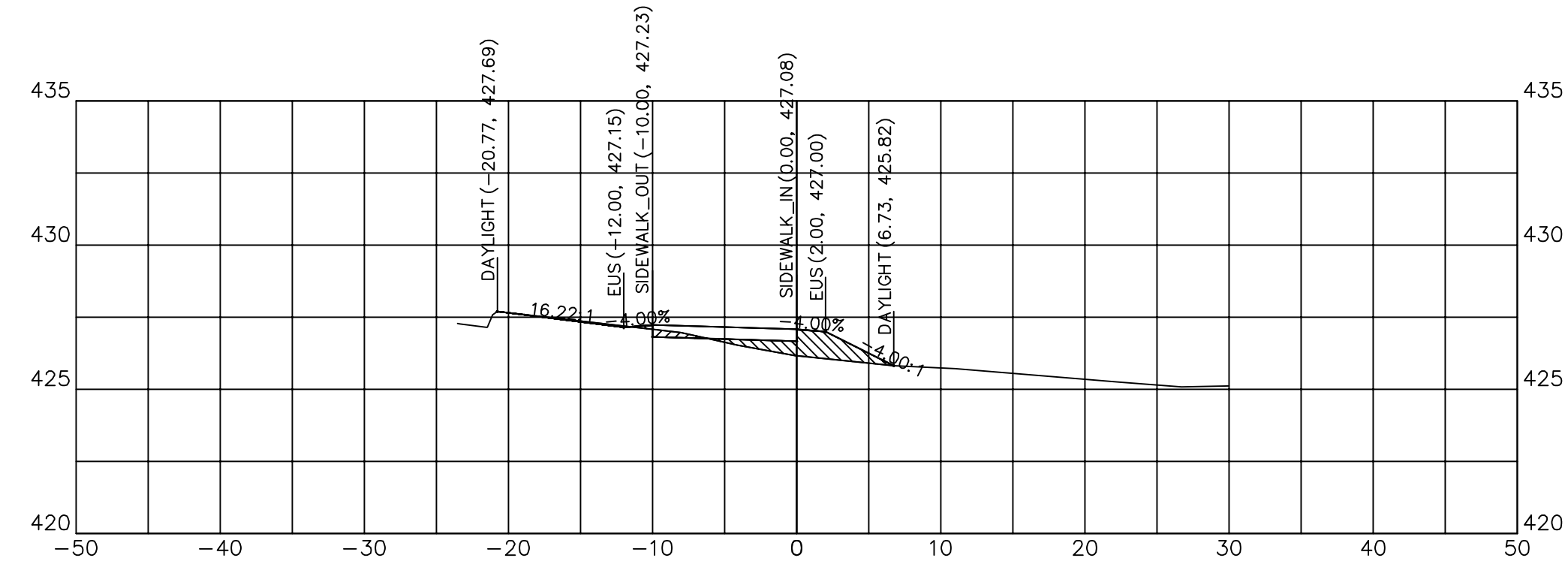


113+00.00	
CUT SQ FT	2.23
FILL SQ FT	2.27
CUT CU YD	2.24
FILL CU YD	1.34
CUM C CU YD	41.04
CUM F CU YD	97.40



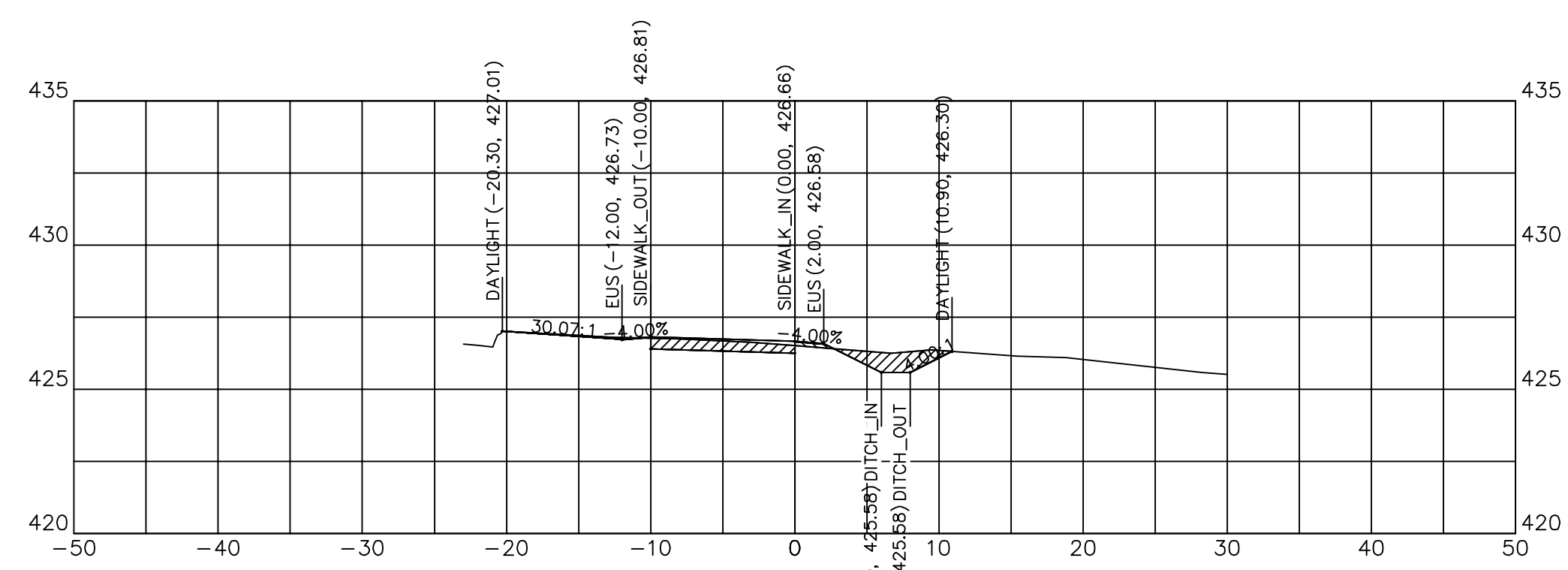
113+42.69	
CUT SQ FT	3.25
FILL SQ FT	12.24
CUT CU YD	0.87
FILL CU YD	3.73
CUM C CU YD	45.58
CUM F CU YD	107.26





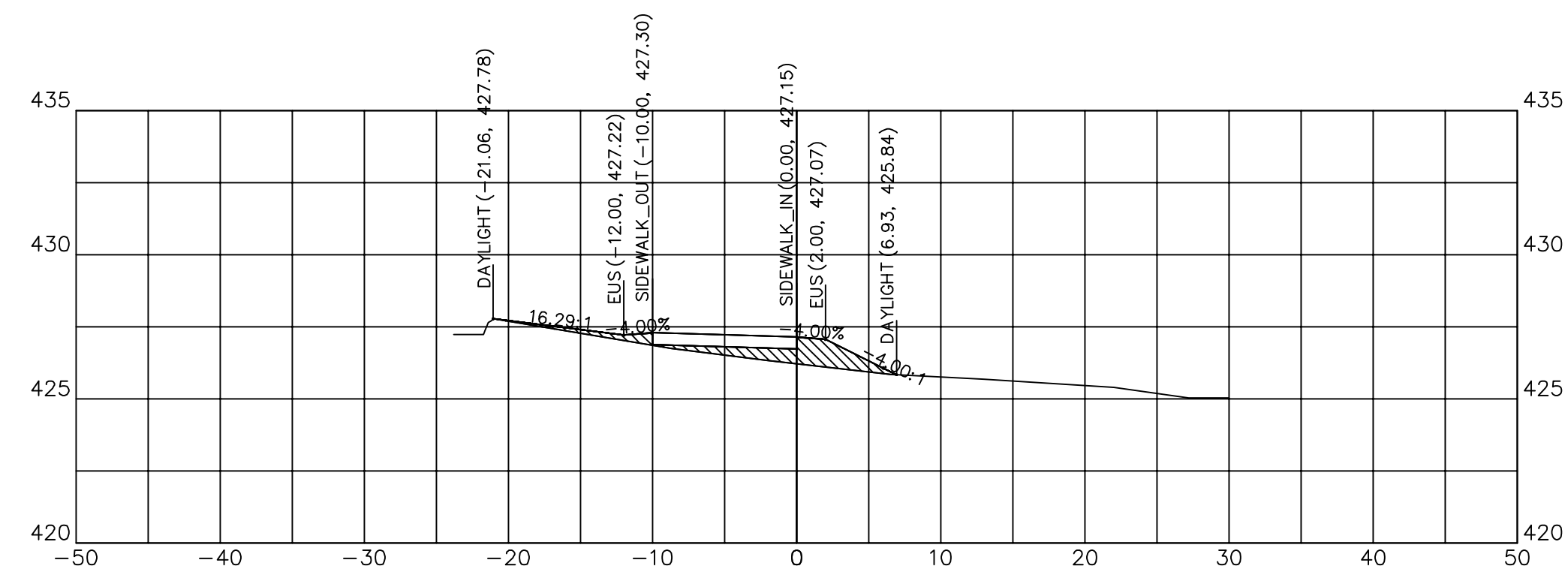
114+25.00

114+25.00	
CUT SQ FT	0.74
FILL SQ FT	5.84
CUT CU YD	0.14
FILL CU YD	2.73
CUM C CU YD	49.49
CUM F CU YD	124.76



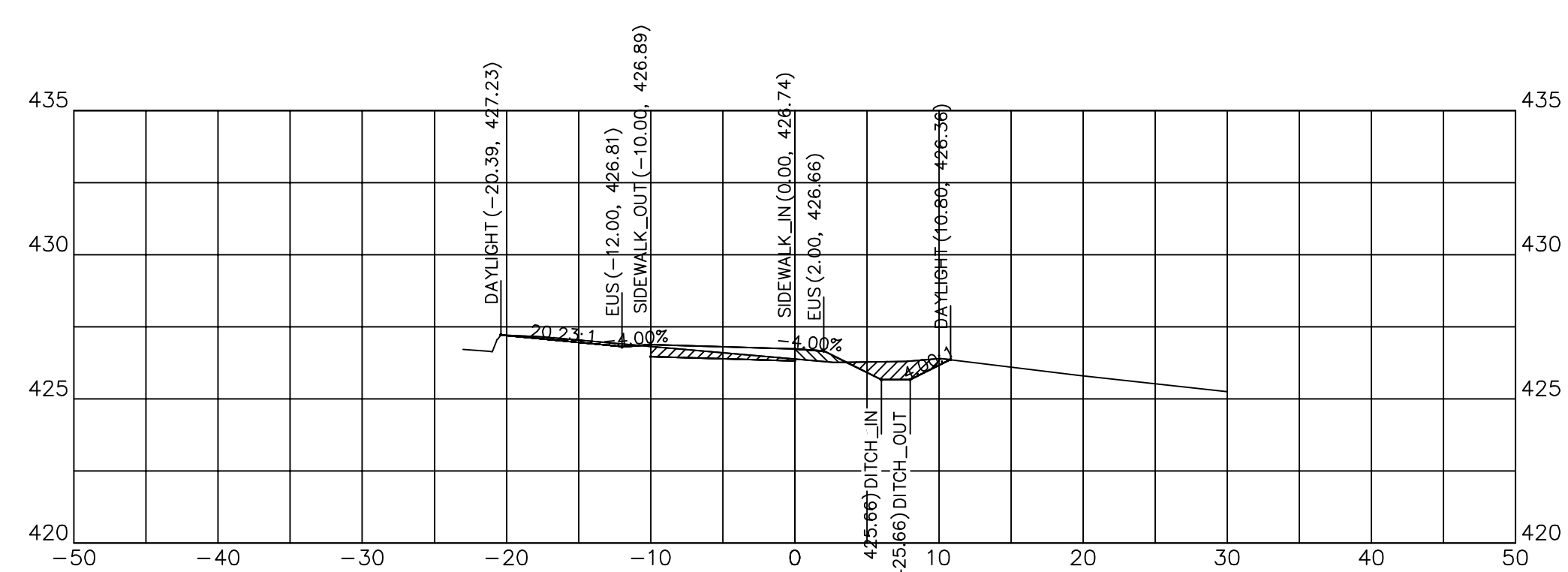
114+86.86

114+86.86	
CUT SQ FT	7.32
FILL SQ FT	0.35
CUT CU YD	2.86
FILL CU YD	0.30
CUM C CU YD	55.92
CUM F CU YD	132.75



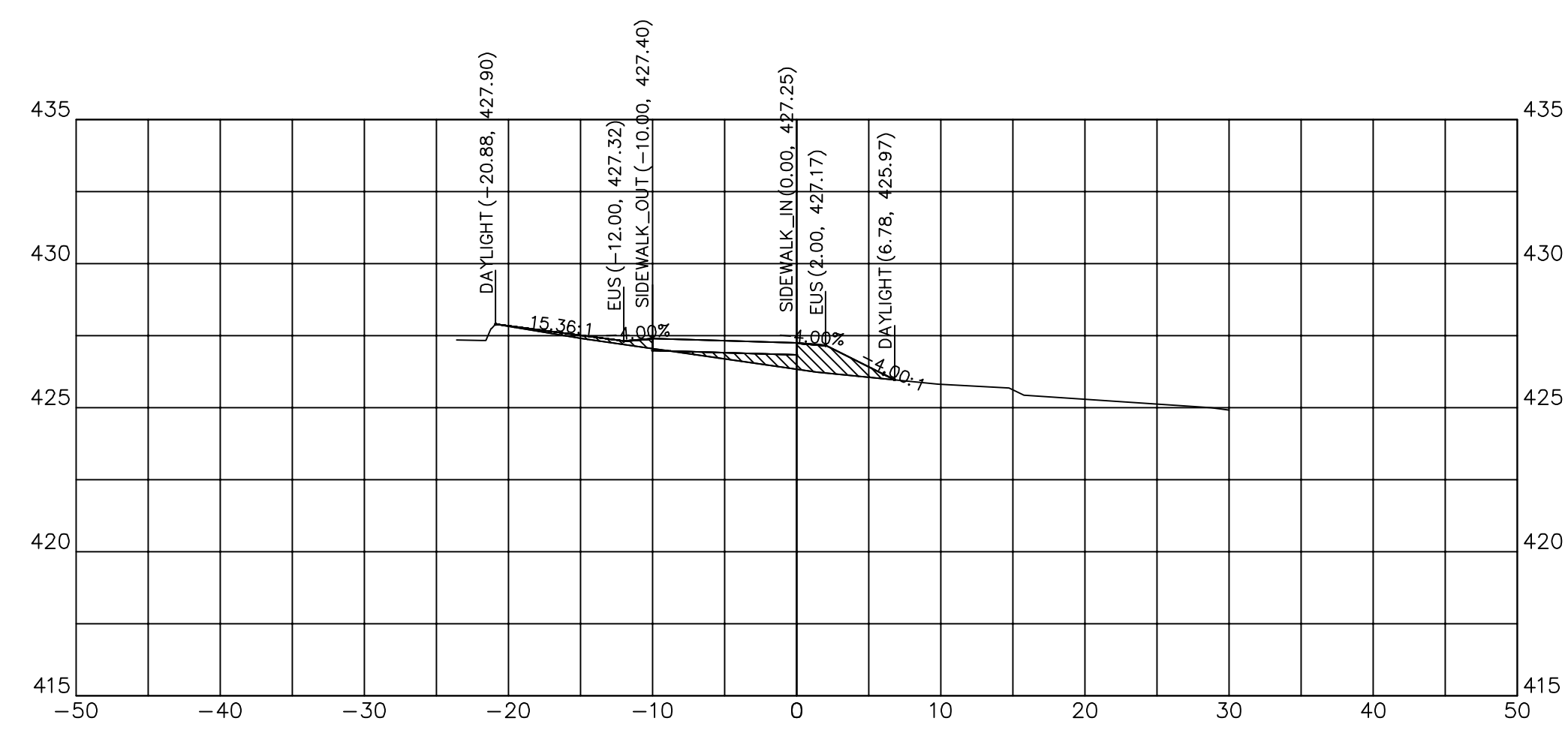
114+14.77

114+14.77	
CUT SQ FT	0.00
FILL SQ FT	8.60
CUT CU YD	0.01
FILL CU YD	4.35
CUM C CU YD	49.35
CUM F CU YD	122.03



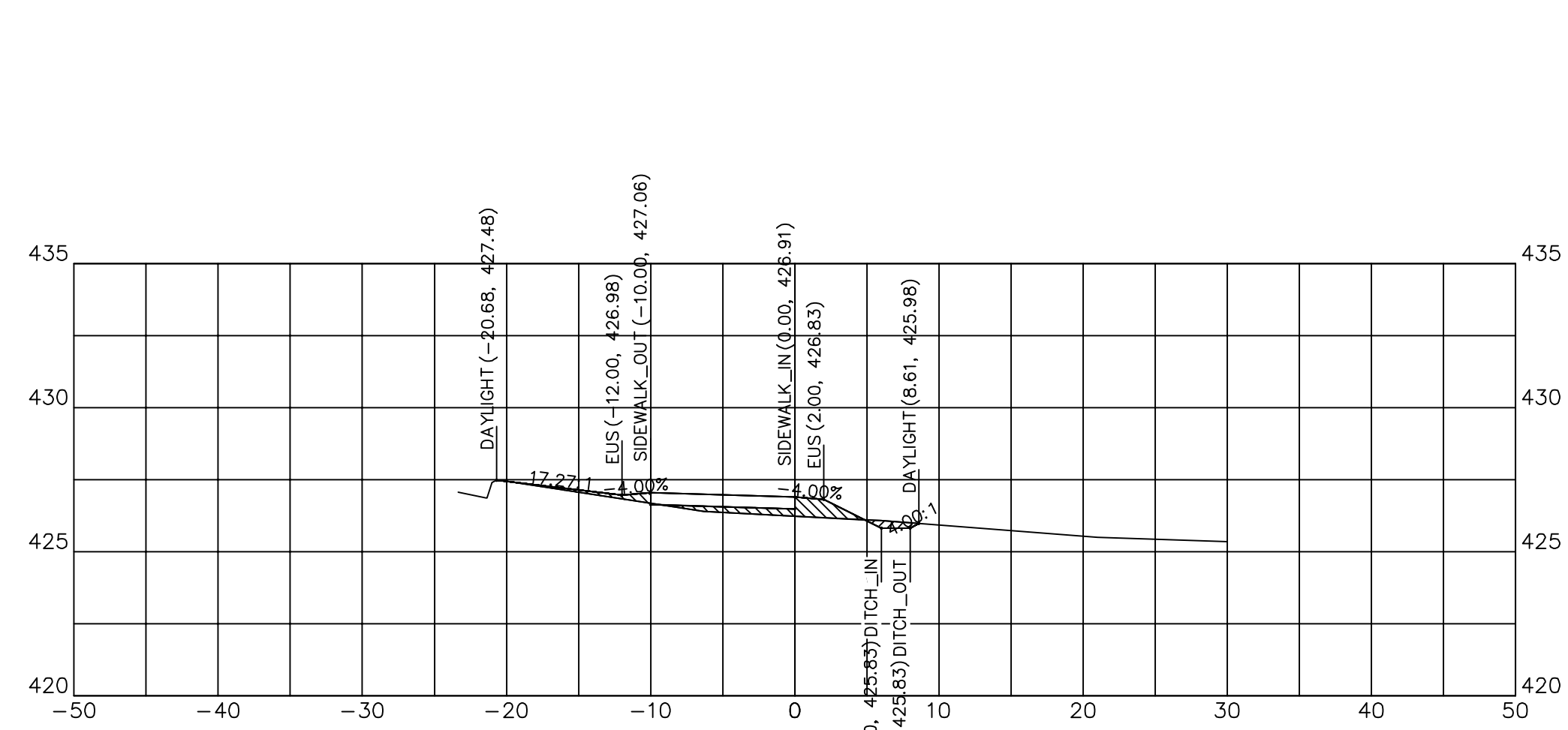
114+75.00

114+75.00	
CUT SQ FT	5.69
FILL SQ FT	1.02
CUT CU YD	2.94
FILL CU YD	2.72
CUM C CU YD	53.06
CUM F CU YD	132.45



114+00.00

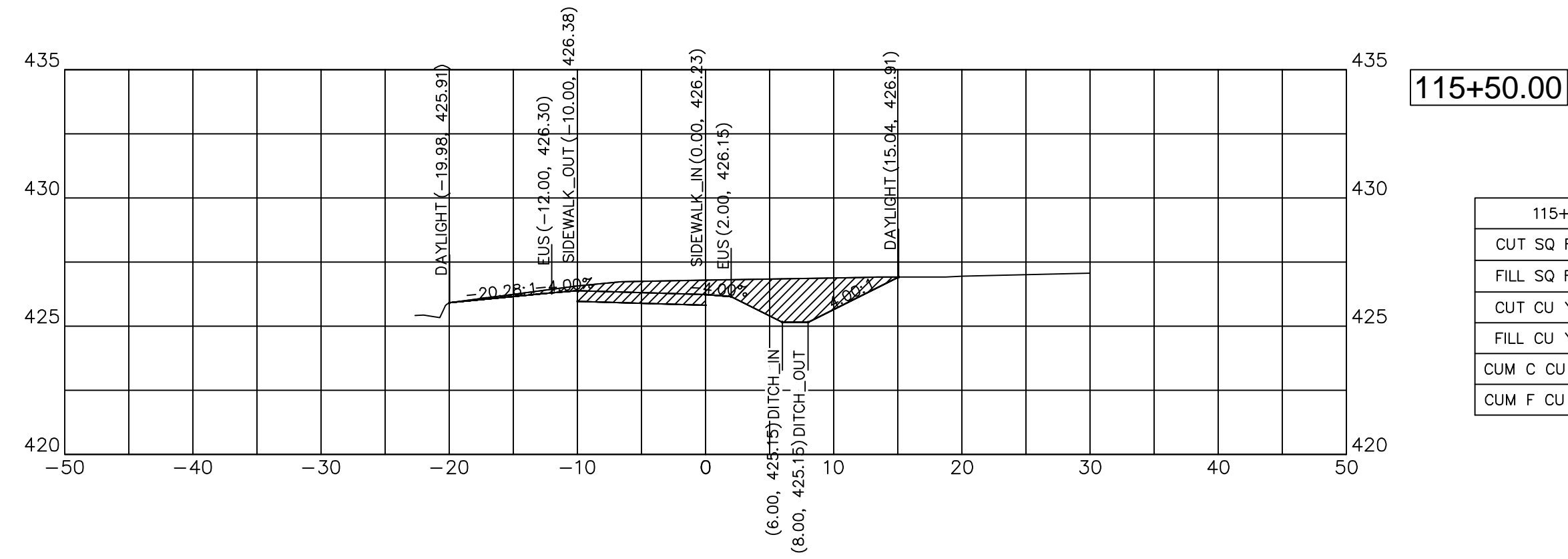
114+00.00	
CUT SQ FT	0.04
FILL SQ FT	7.40
CUT CU YD	0.48
FILL CU YD	5.04
CUM C CU YD	49.34
CUM F CU YD	117.68



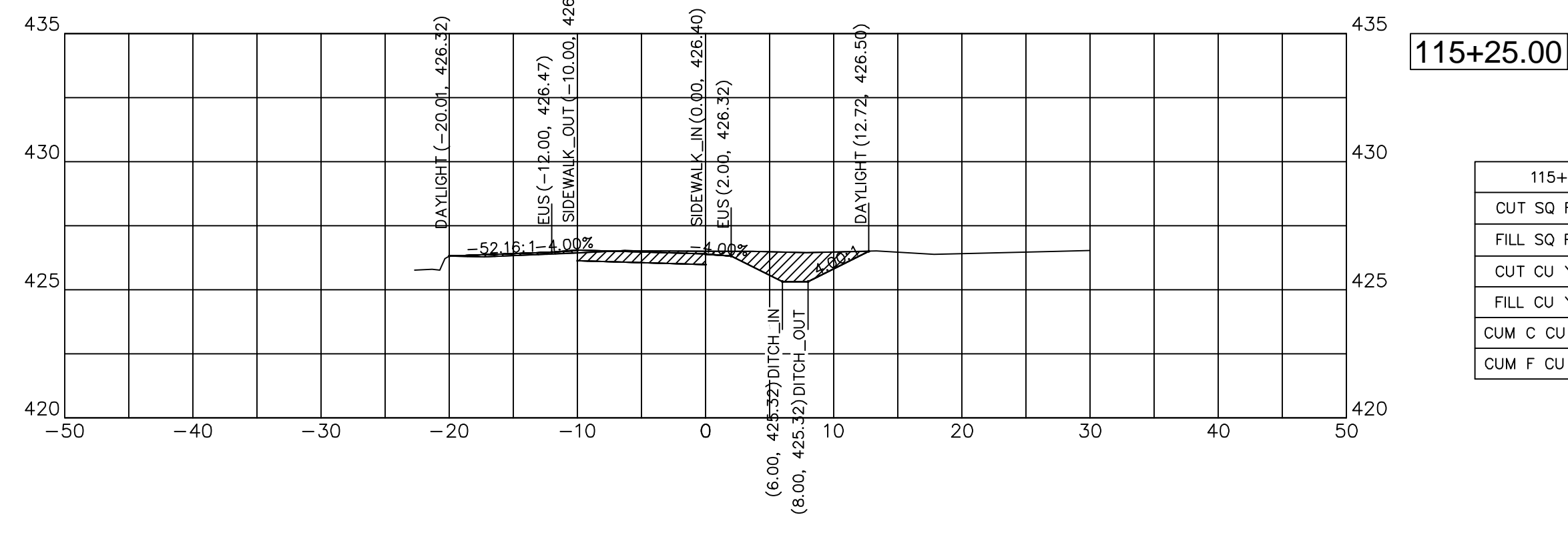
114+50.00

114+50.00	
CUT SQ FT	0.64
FILL SQ FT	4.92
CUT CU YD	0.63
FILL CU YD	4.96
CUM C CU YD	50.12
CUM F CU YD	129.72

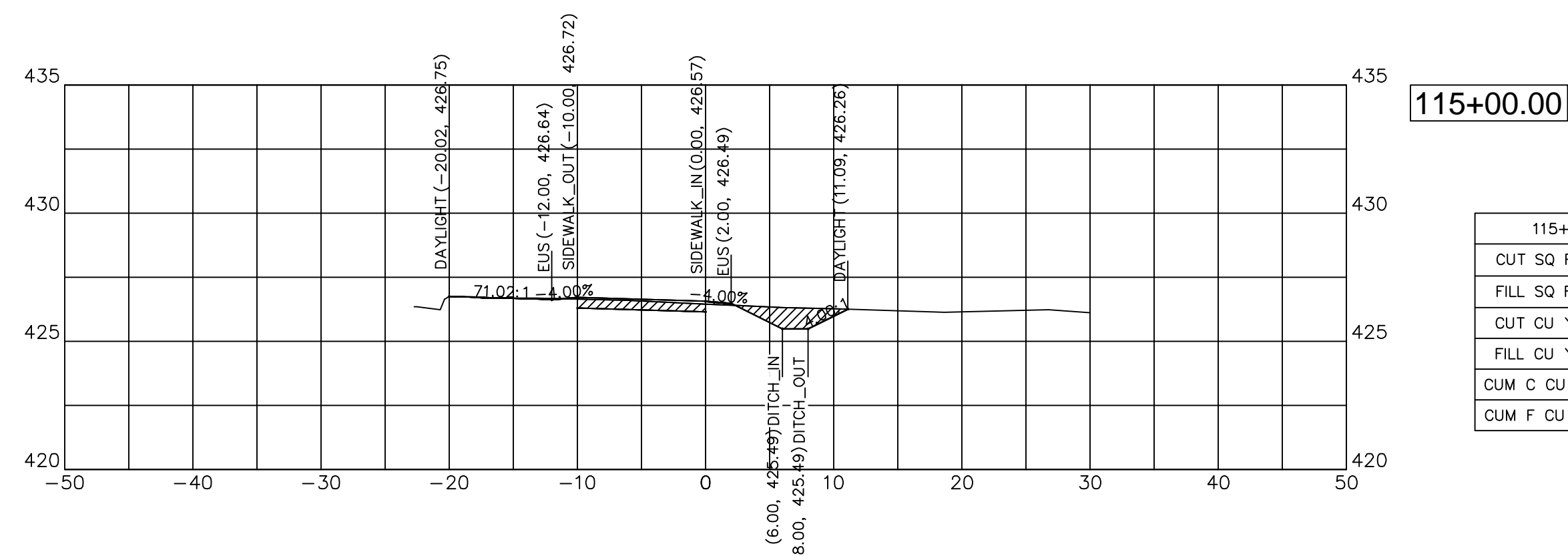




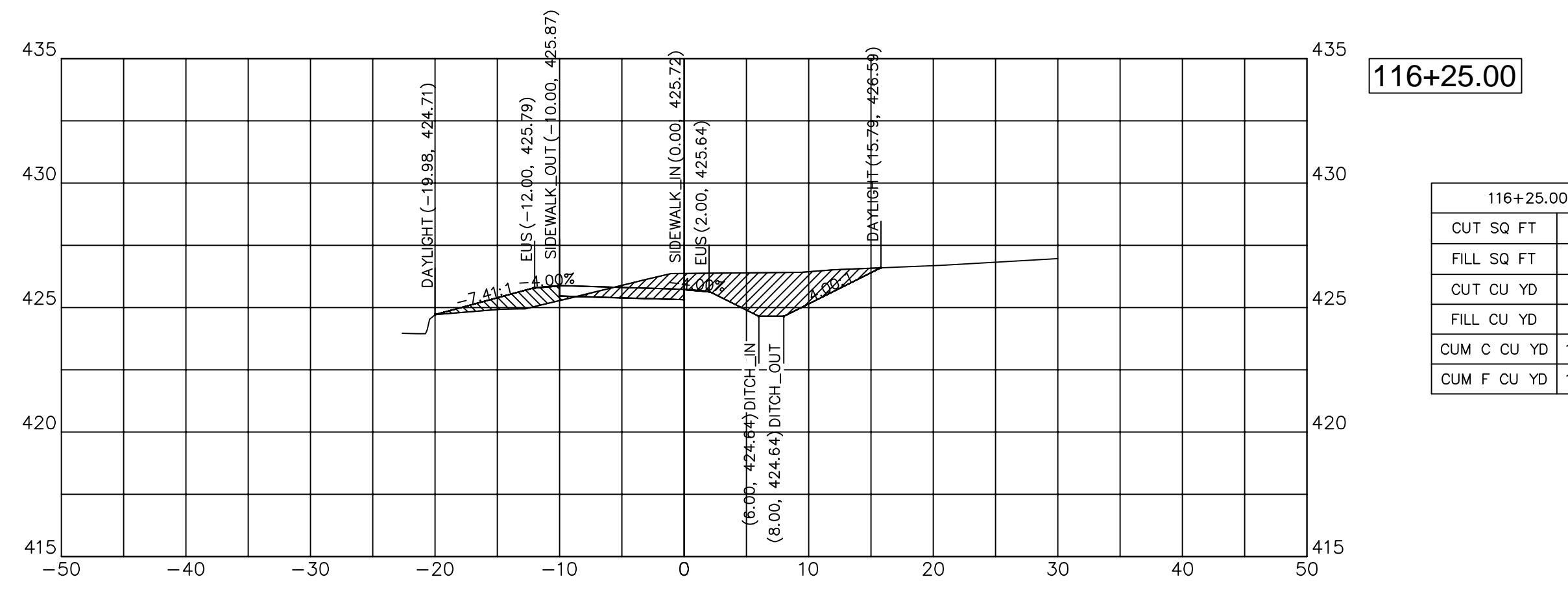
115+50.00	
CUT SQ FT	24.60
FILL SQ FT	0.00
CUT CU YD	17.10
FILL CU YD	0.32
CUM C CU YD	86.15
CUM F CU YD	133.63



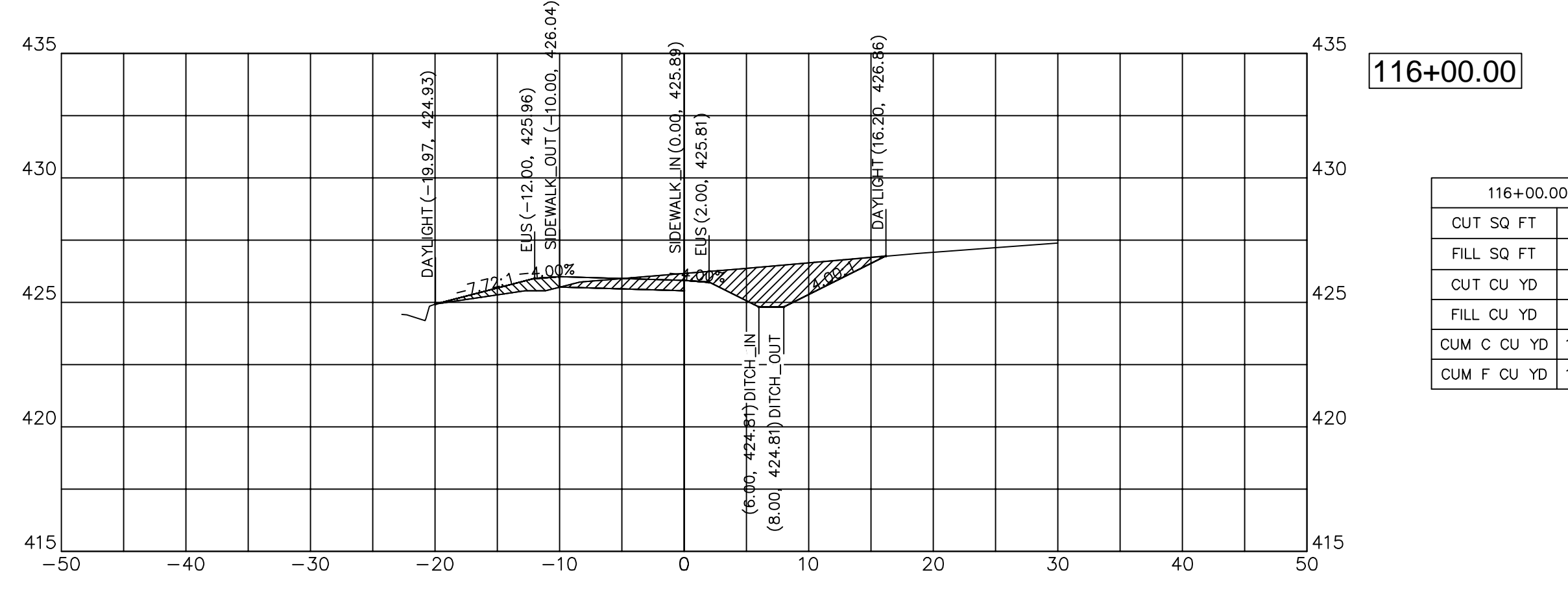
115+25.00	
CUT SQ FT	12.33
FILL SQ FT	0.68
CUT CU YD	9.40
FILL CU YD	0.42
CUM C CU YD	69.05
CUM F CU YD	133.31



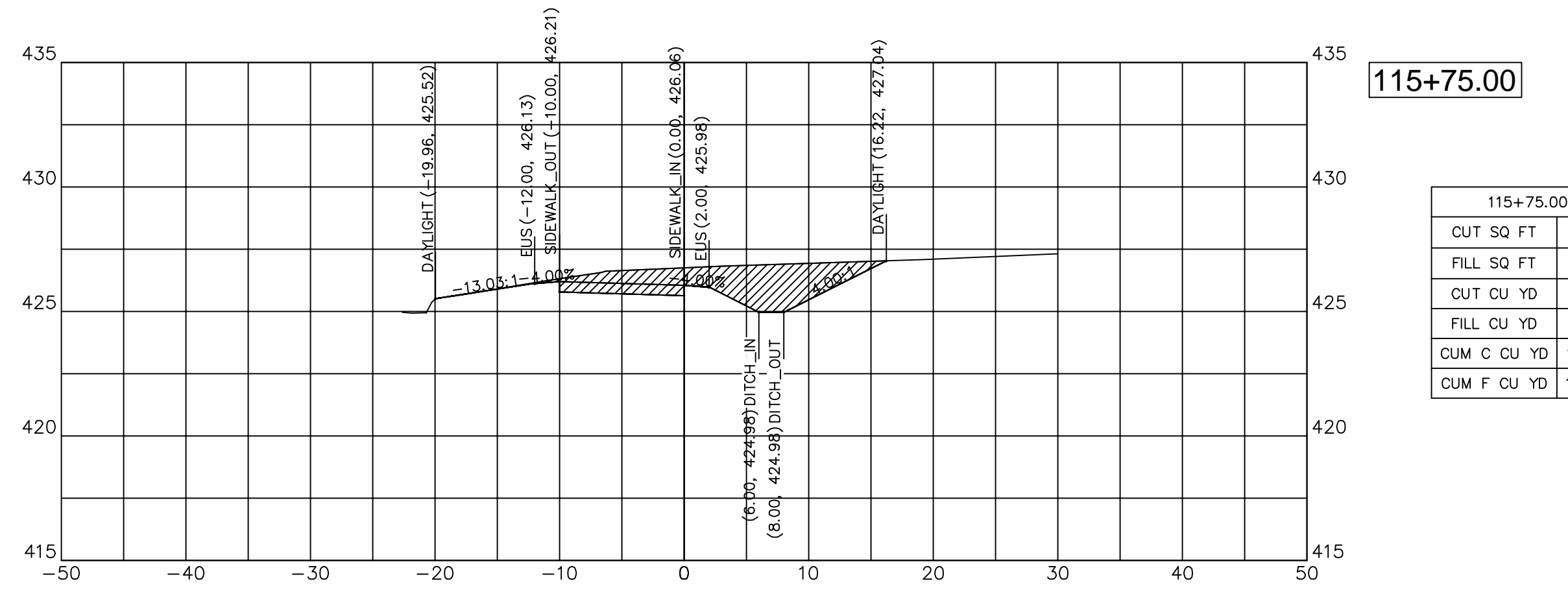
115+00.00	
CUT SQ FT	7.97
FILL SQ FT	0.23
CUT CU YD	3.72
FILL CU YD	0.14
CUM C CU YD	59.64
CUM F CU YD	132.89



116+25.00	
CUT SQ FT	21.75
FILL SQ FT	4.55
CUT CU YD	18.88
FILL CU YD	3.37
CUM C CU YD	150.88
CUM F CU YD	138.28

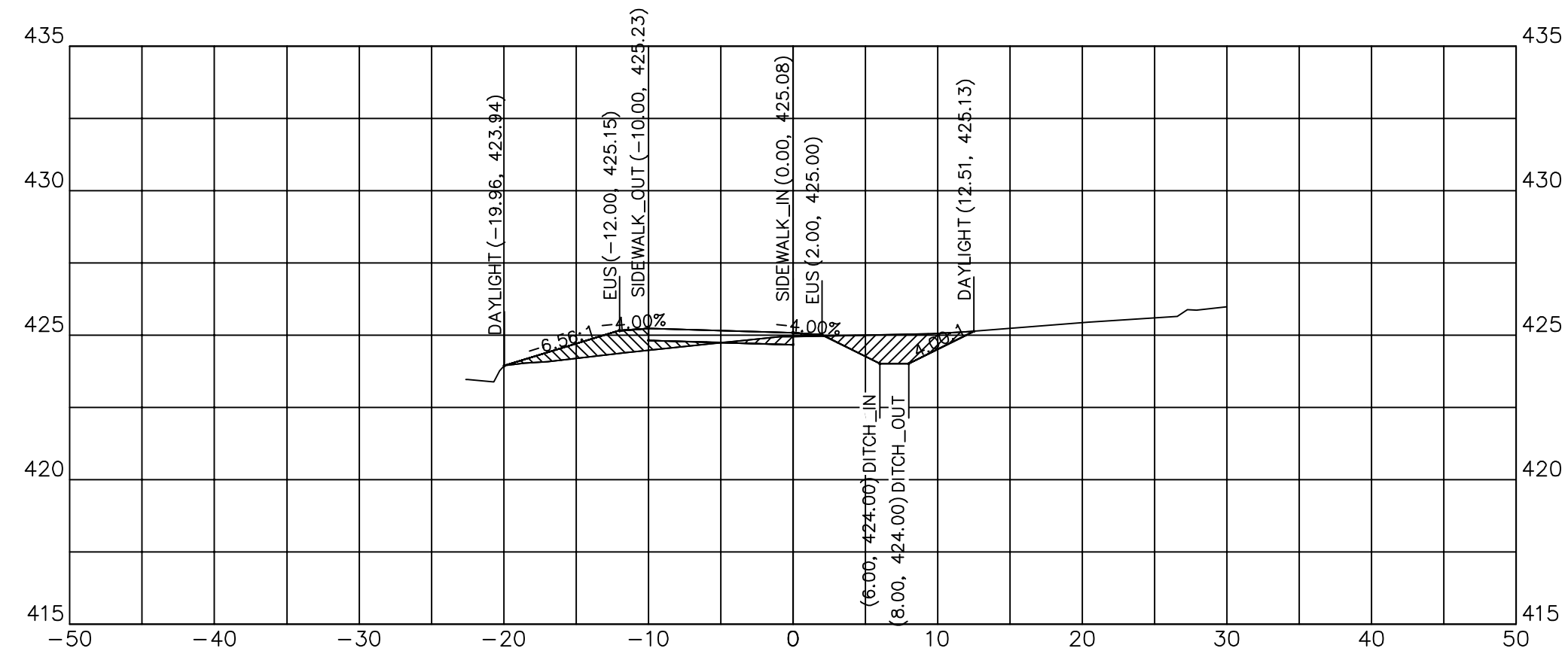


116+00.00	
CUT SQ FT	19.03
FILL SQ FT	2.74
CUT CU YD	21.64
FILL CU YD	1.27
CUM C CU YD	132.00
CUM F CU YD	134.90



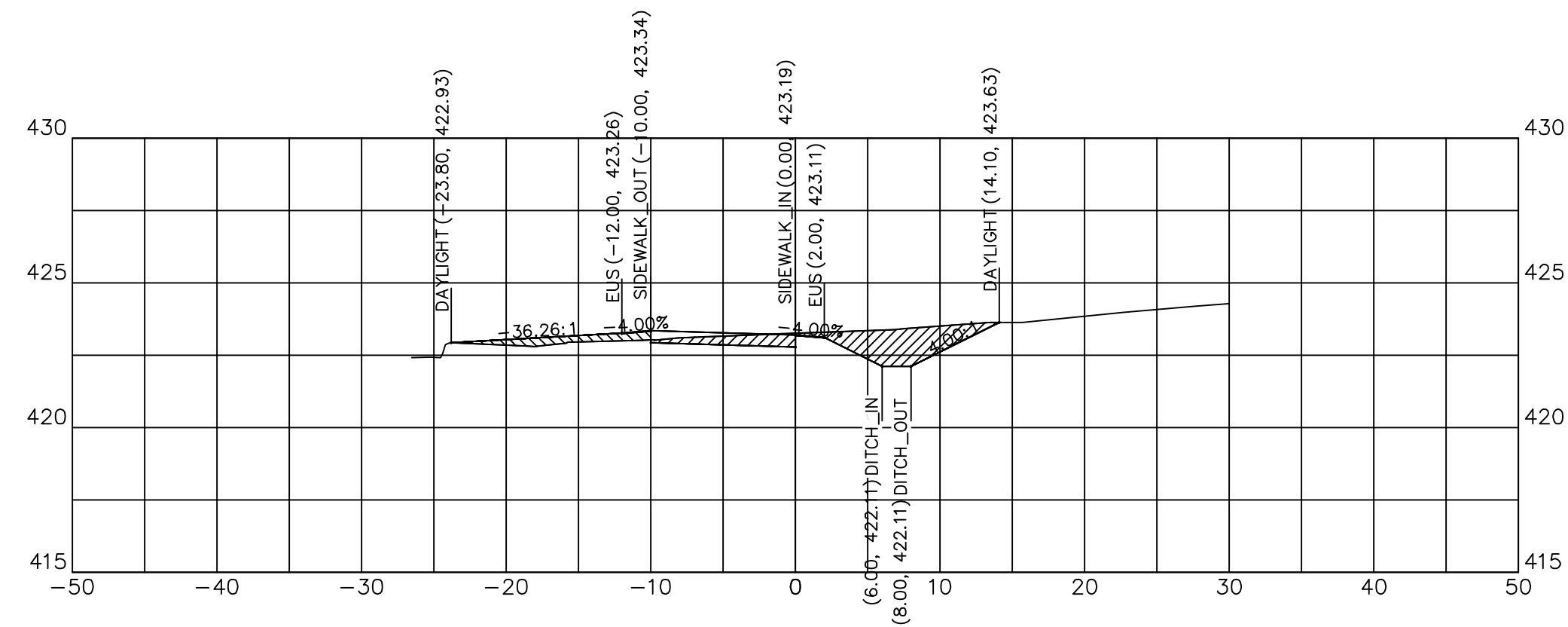
115+75.00	
CUT SQ FT	27.71
FILL SQ FT	0.01
CUT CU YD	24.22
FILL CU YD	0.00
CUM C CU YD	110.36
CUM F CU YD	133.63





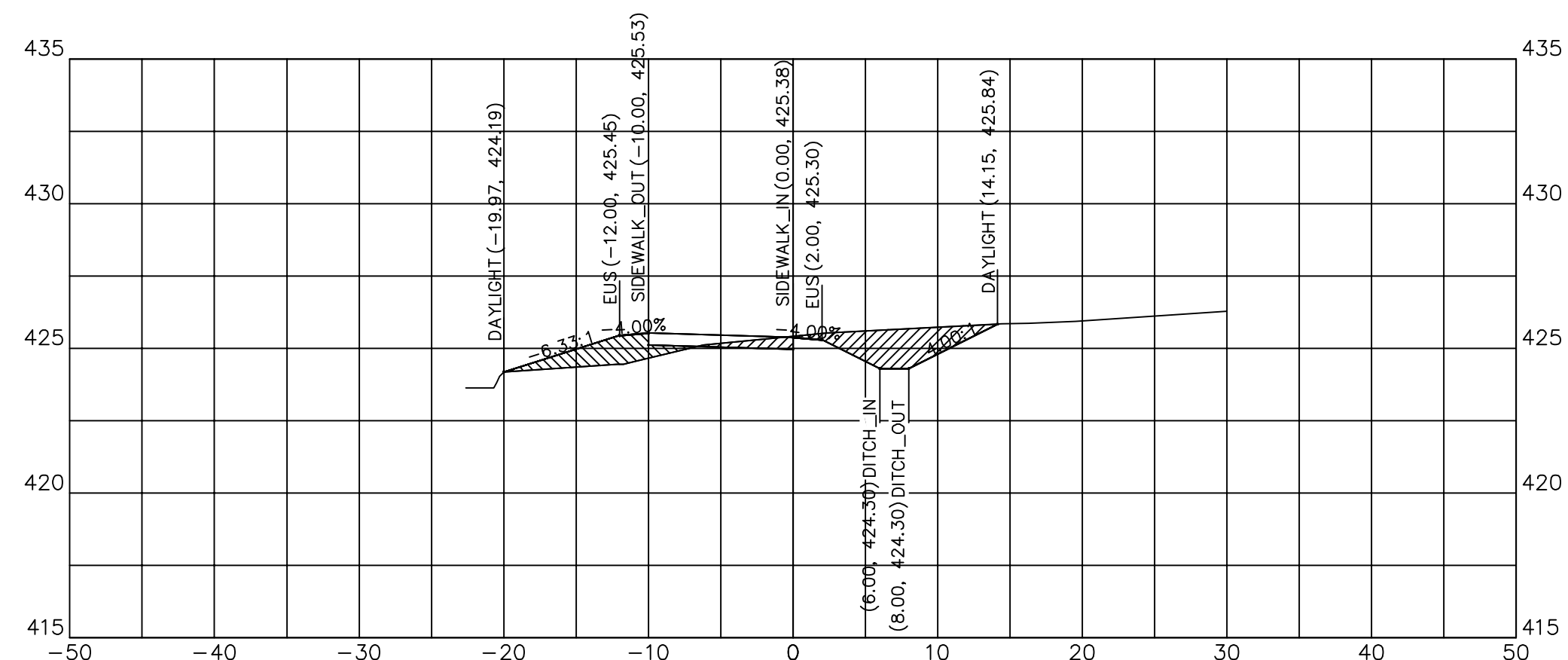
117+00.00

117+00.00	
CUT SQ FT	6.93
FILL SQ FT	5.80
CUT CU YD	8.71
FILL CU YD	5.75
CUM C CU YD	189.14
CUM F CU YD	152.89



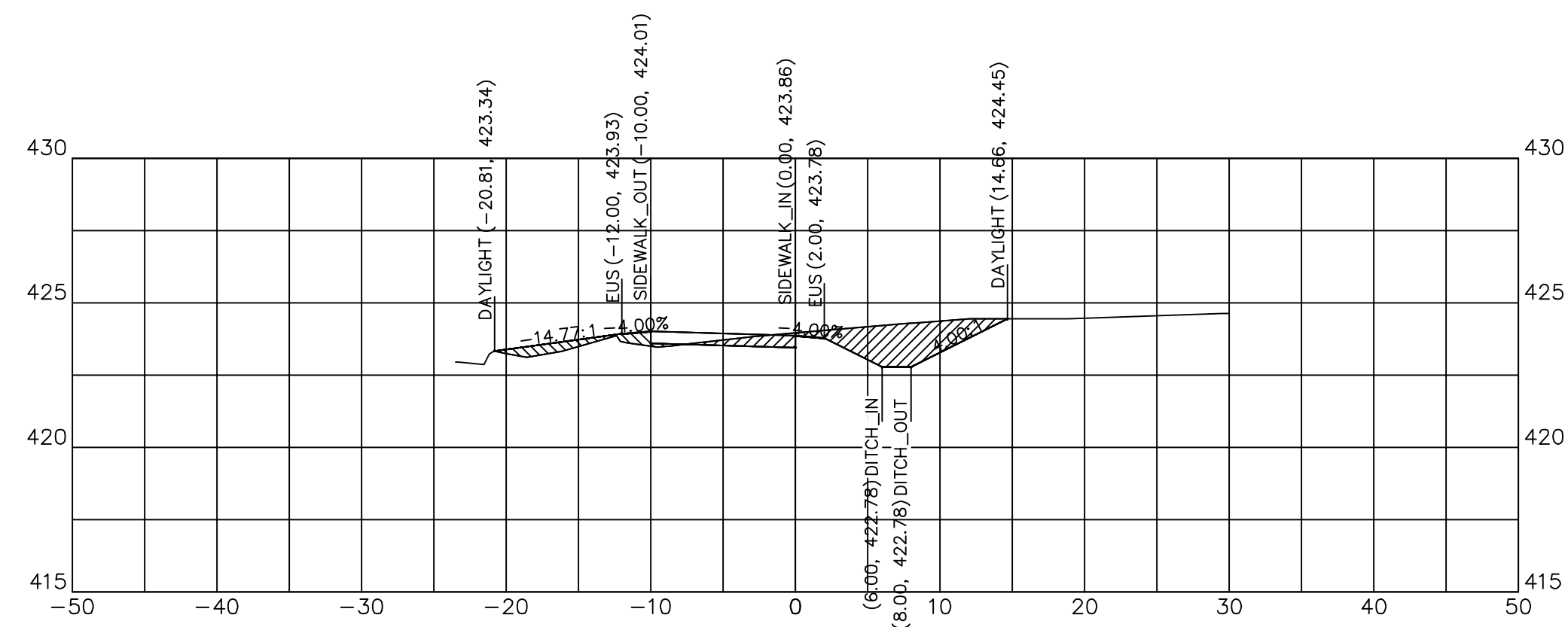
117+75.00

117+75.00	
CUT SQ FT	12.89
FILL SQ FT	2.92
CUT CU YD	12.48
FILL CU YD	2.72
CUM C CU YD	223.34
CUM F CU YD	162.11



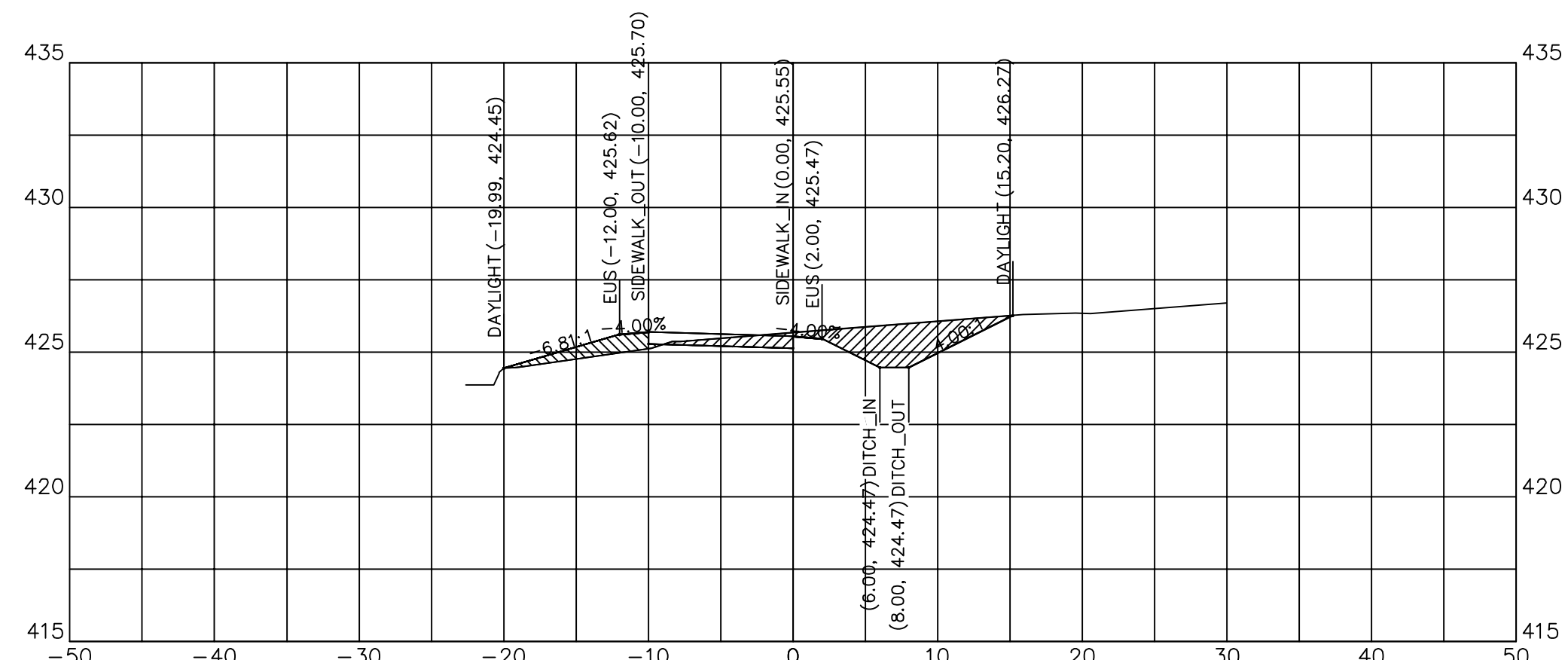
116+75.00

116+75.00	
CUT SQ FT	11.89
FILL SQ FT	6.63
CUT CU YD	12.49
FILL CU YD	4.91
CUM C CU YD	180.43
CUM F CU YD	147.14



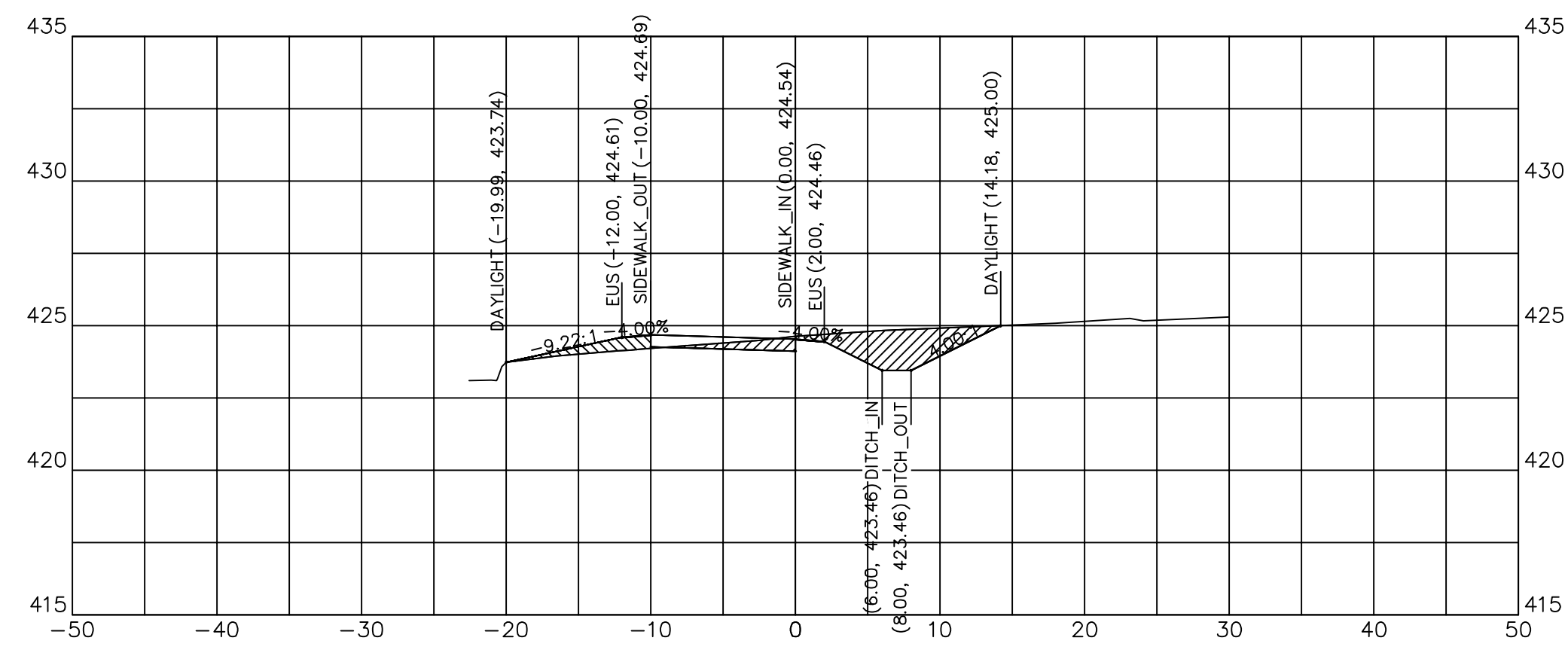
117+50.00

117+50.00	
CUT SQ FT	14.06
FILL SQ FT	2.96
CUT CU YD	12.51
FILL CU YD	2.59
CUM C CU YD	210.86
CUM F CU YD	159.39



116+50.00

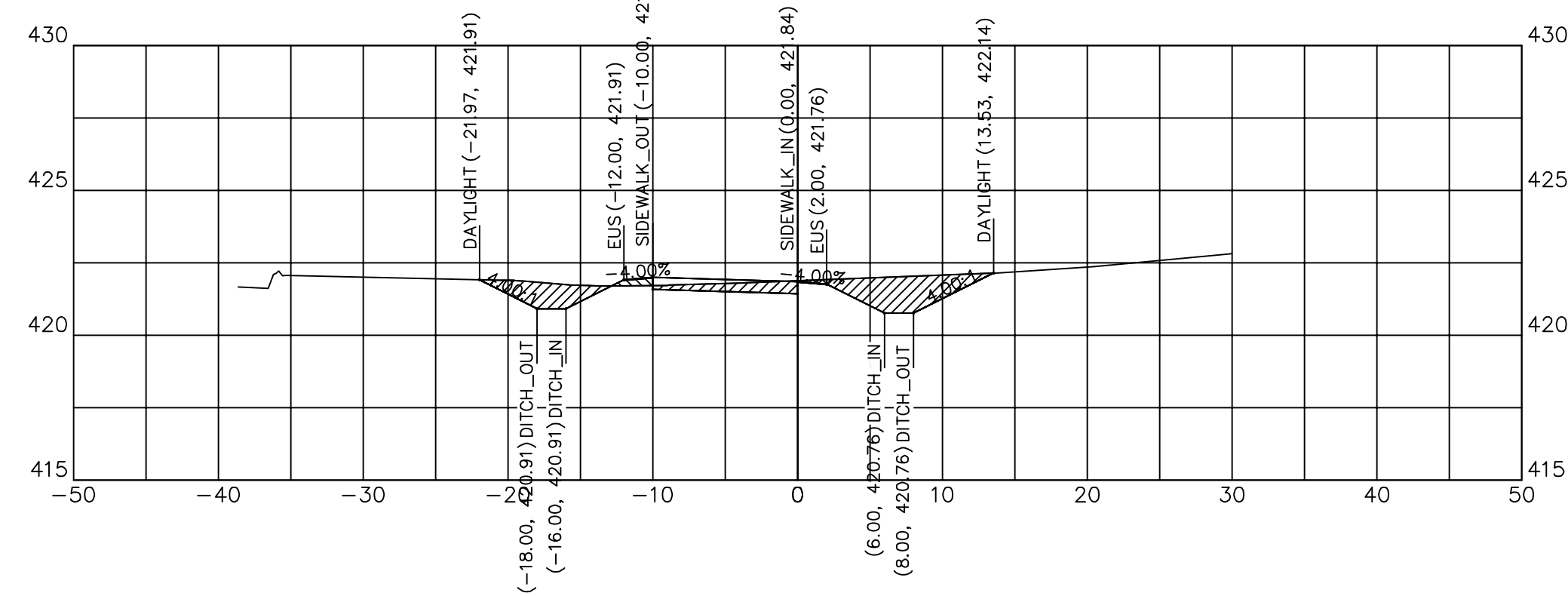
116+50.00	
CUT SQ FT	15.10
FILL SQ FT	3.99
CUT CU YD	17.06
FILL CU YD	3.95
CUM C CU YD	167.93
CUM F CU YD	142.23



117+25.00

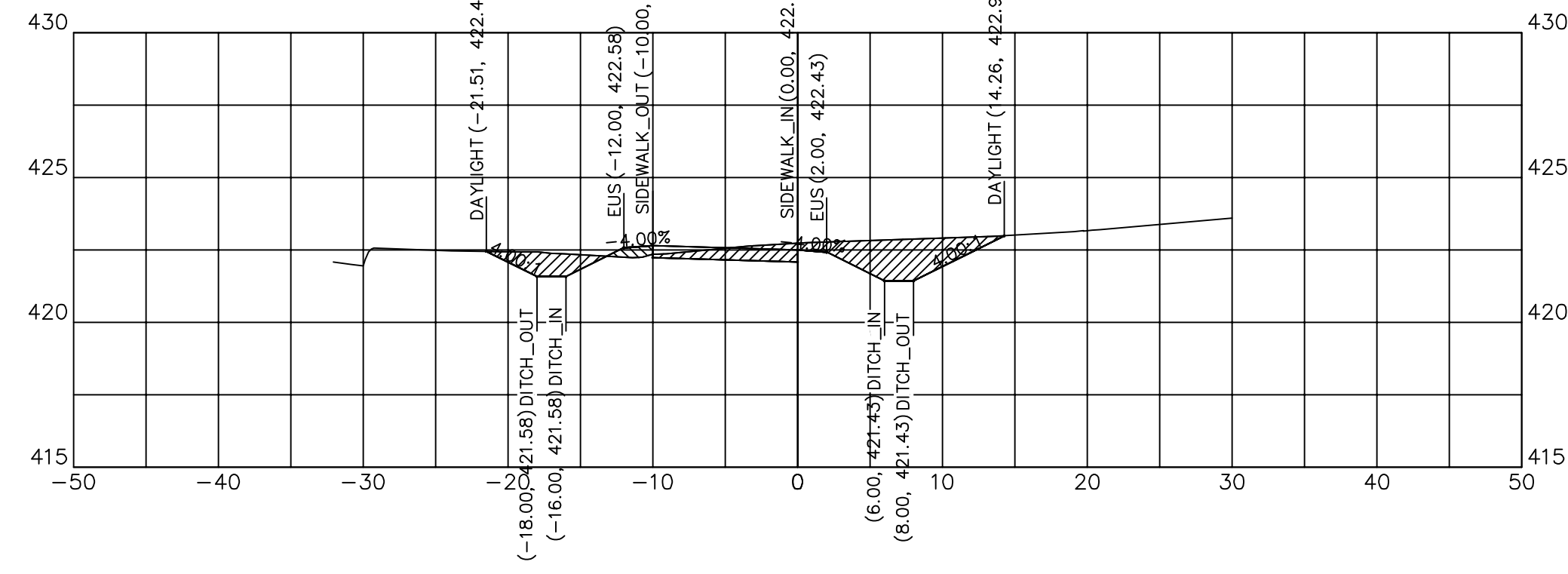
117+25.00	
CUT SQ FT	12.97
FILL SQ FT	2.64
CUT CU YD	9.21
FILL CU YD	3.90
CUM C CU YD	198.35
CUM F CU YD	156.80





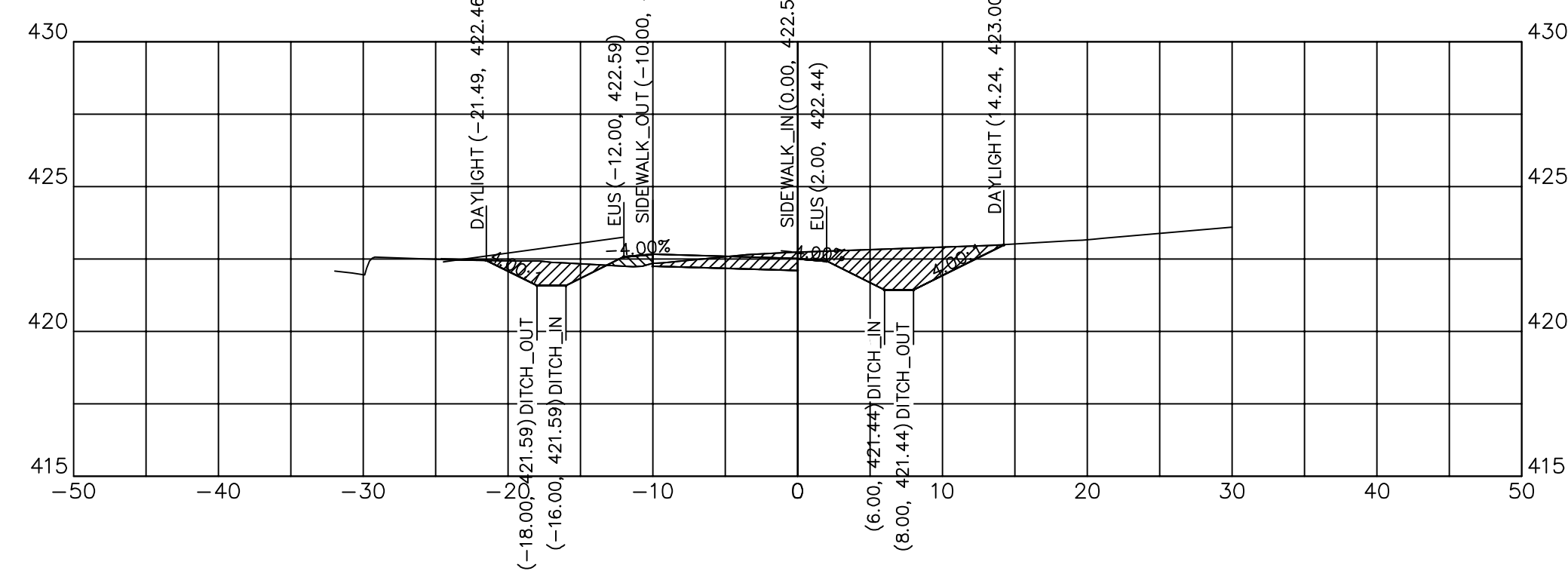
118+25.00

118+25.00	
CUT SQ FT	16.73
FILL SQ FT	0.56
CUT CU YD	16.56
FILL CU YD	0.64
CUM C CU YD	255.11
CUM F CU YD	164.53



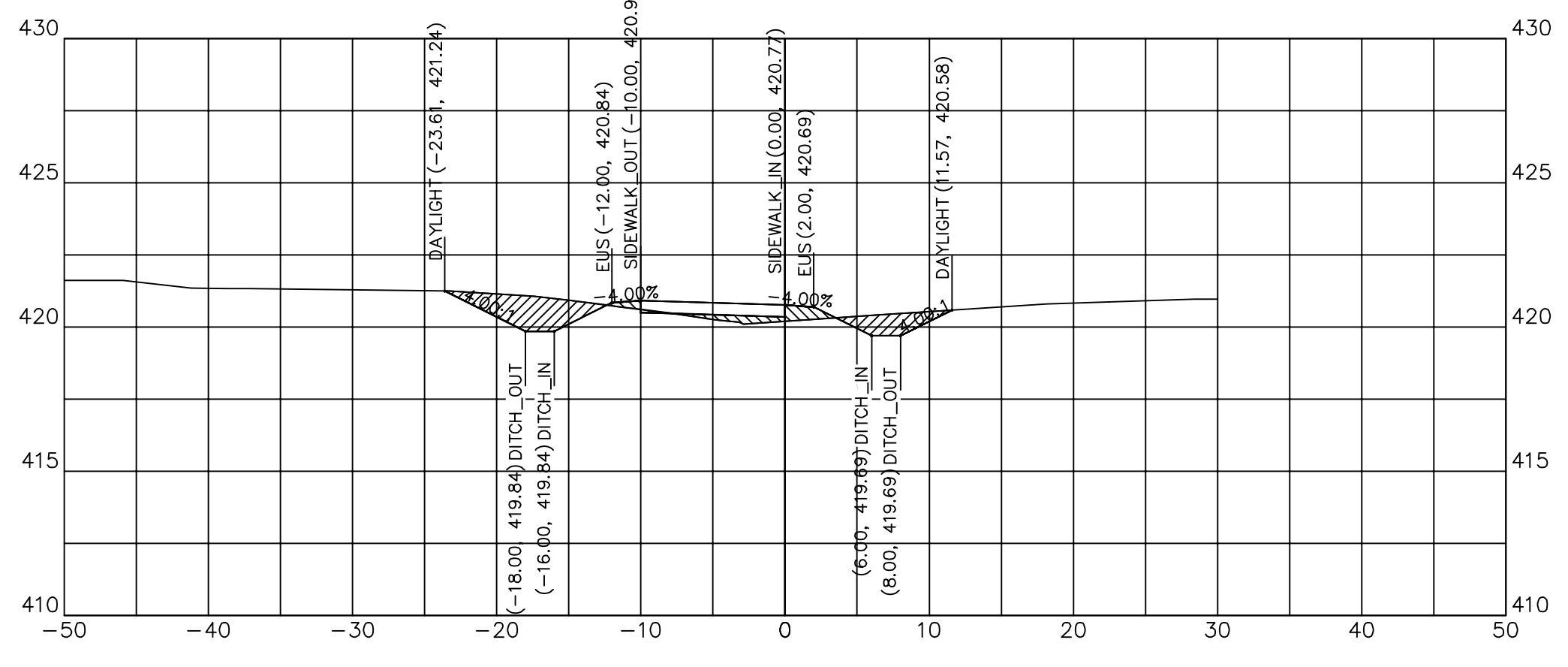
118+00.32

118+00.32	
CUT SQ FT	19.57
FILL SQ FT	0.87
CUT CU YD	0.23
FILL CU YD	0.01
CUM C CU YD	238.55
CUM F CU YD	163.89



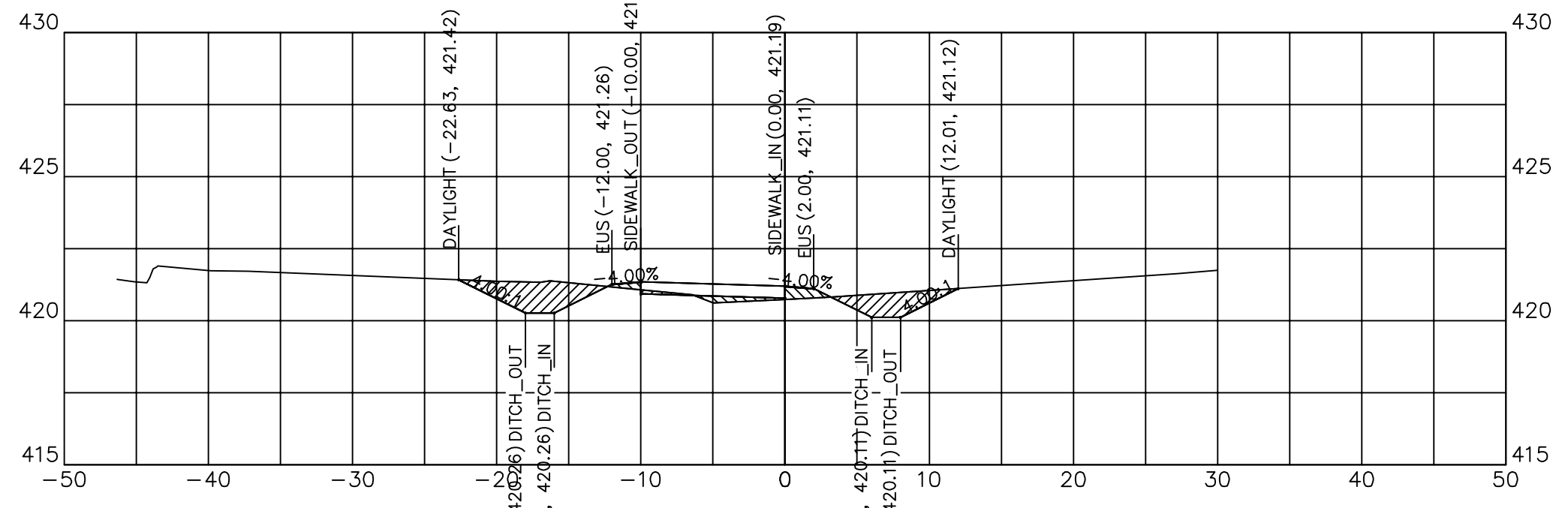
118+00.00

118+00.00	
CUT SQ FT	19.46
FILL SQ FT	0.91
CUT CU YD	14.98
FILL CU YD	1.77
CUM C CU YD	238.32
CUM F CU YD	163.88



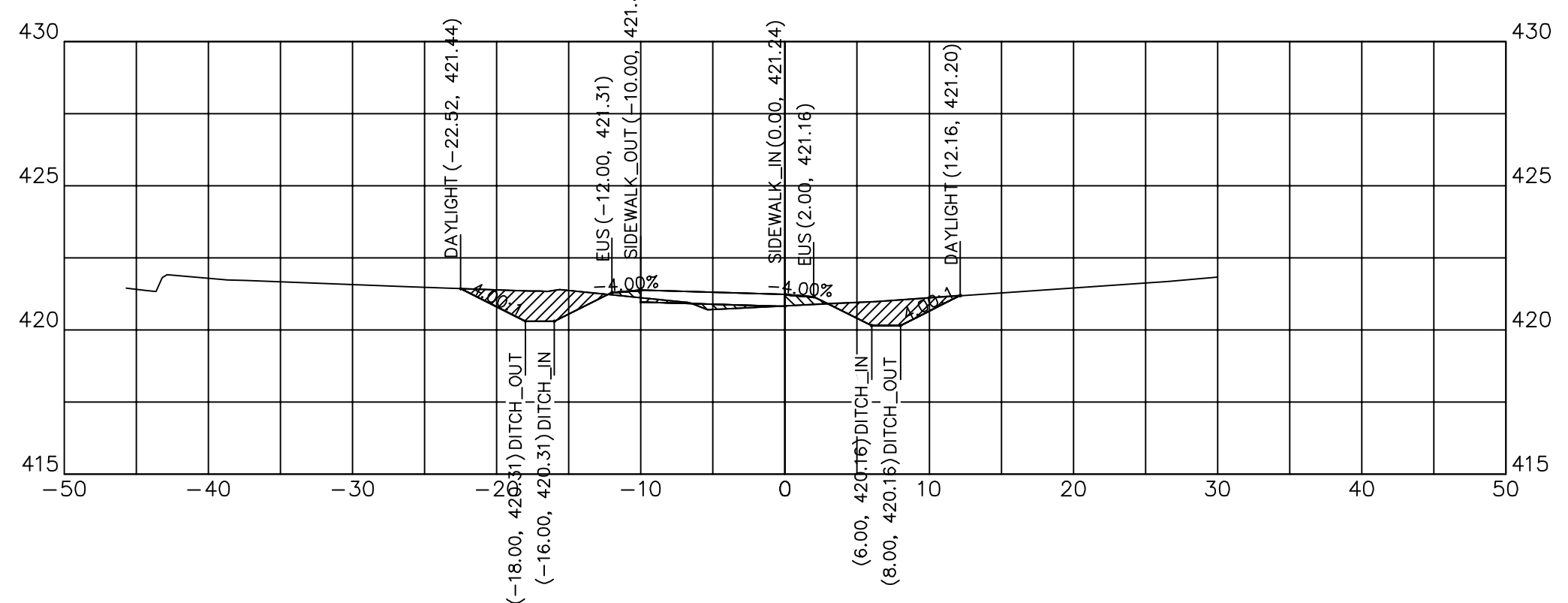
118+75.00

118+75.00	
CUT SQ FT	11.83
FILL SQ FT	3.10
CUT CU YD	9.75
FILL CU YD	2.20
CUM C CU YD	278.84
CUM F CU YD	167.89



118+52.06

118+52.06	
CUT SQ FT	11.54
FILL SQ FT	2.11
CUT CU YD	0.89
FILL CU YD	0.14
CUM C CU YD	269.09
CUM F CU YD	165.68



118+50.00

118+50.00	
CUT SQ FT	11.76
FILL SQ FT	1.64
CUT CU YD	13.08
FILL CU YD	1.01
CUM C CU YD	268.20
CUM F CU YD	165.54



DESIGNED - JHC  
 DRAWN - JHC  
 CHECKED - WDS  
 DATE - 03/27/20

REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 07/11/20

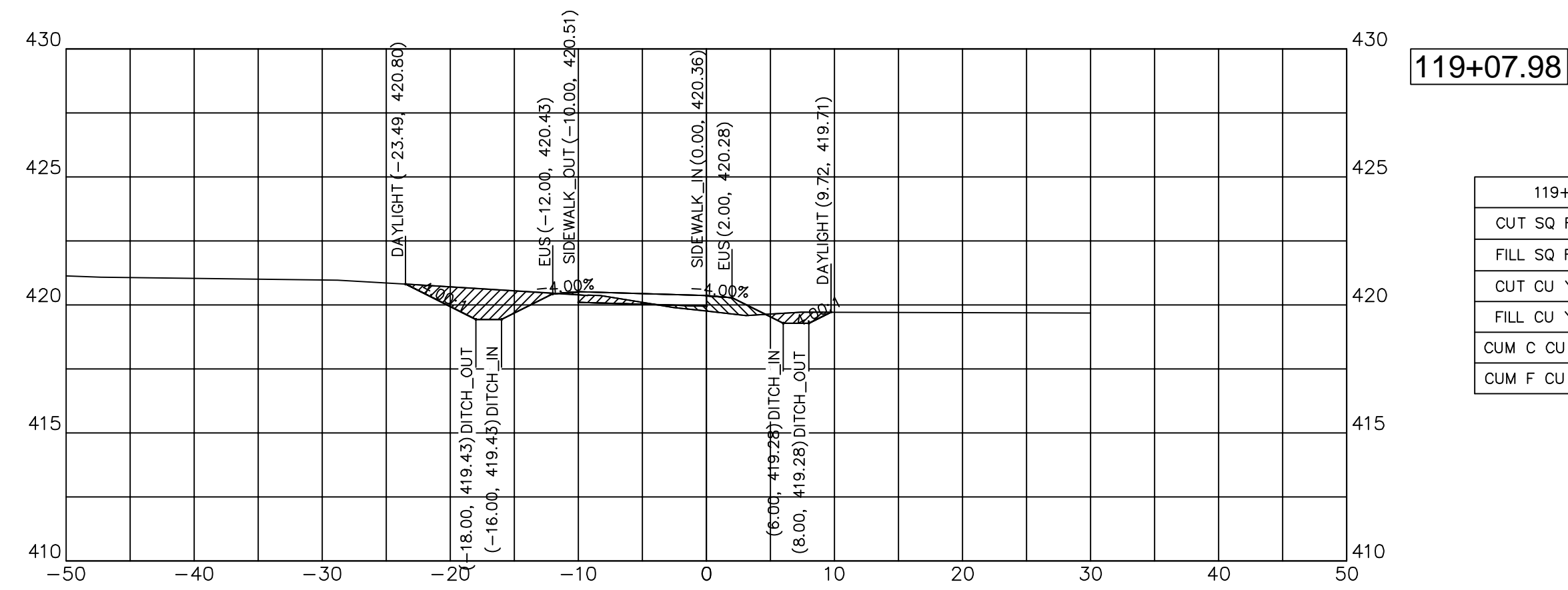
**JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MULTI-USE PATH**

SCALE: HOR:1=10  
 VERT:1=5  
 SHEET 9 OF 36 SHEETS  
 STA. 117+75 TO STA. 118+52.53

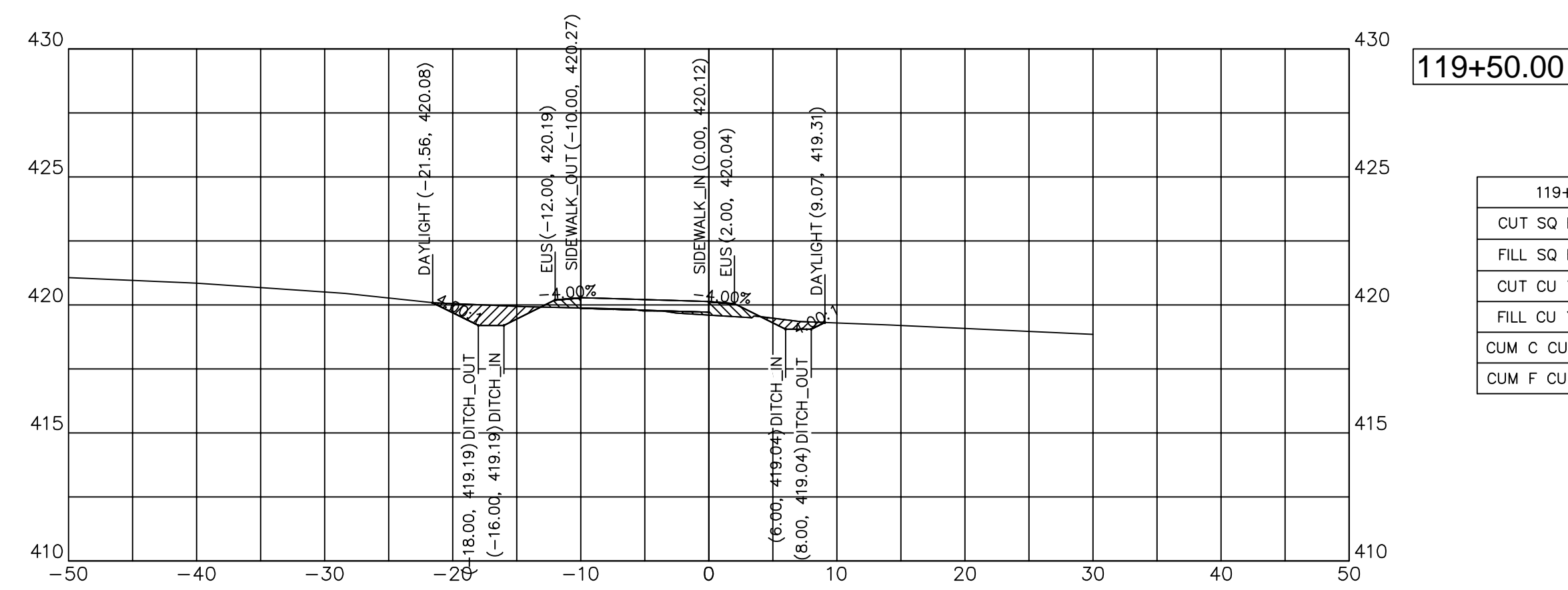
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	38
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





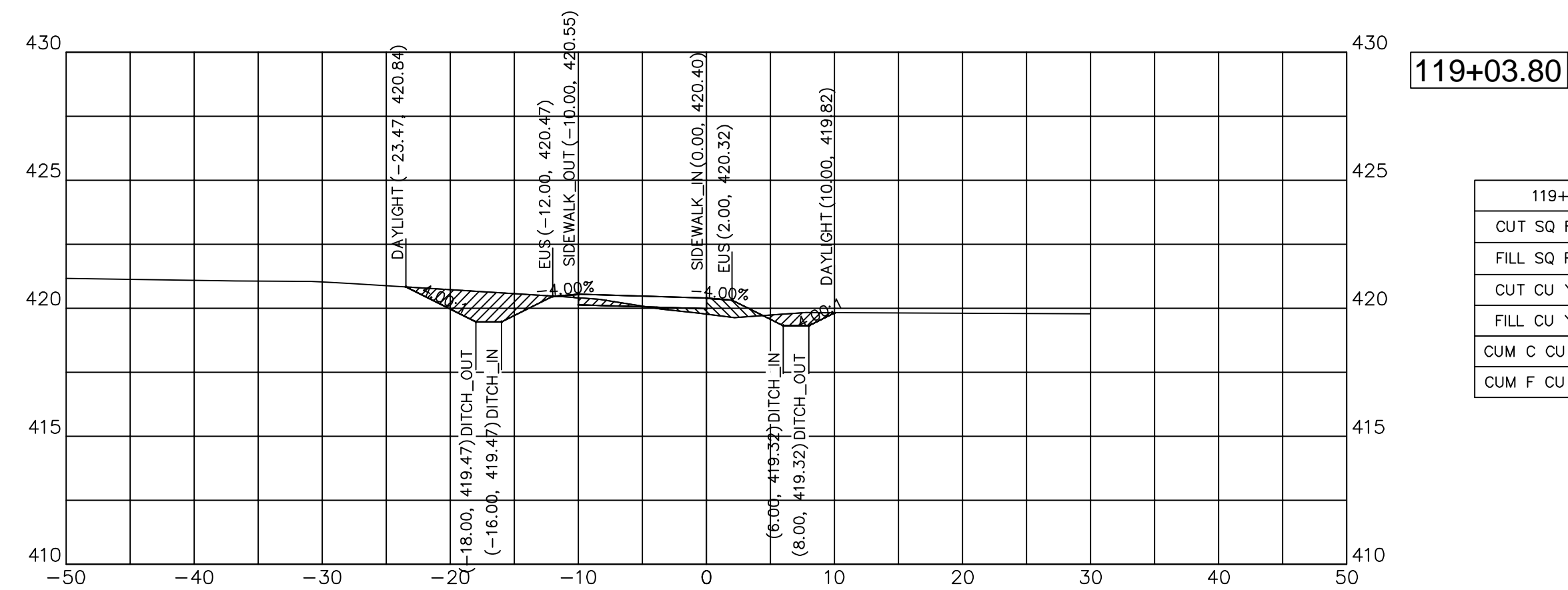
119+07.98

119+07.98	
CUT SQ FT	10.56
FILL SQ FT	2.66
CUT CU YD	1.64
FILL CU YD	0.42
CUM C CU YD	292.24
CUM F CU YD	171.44



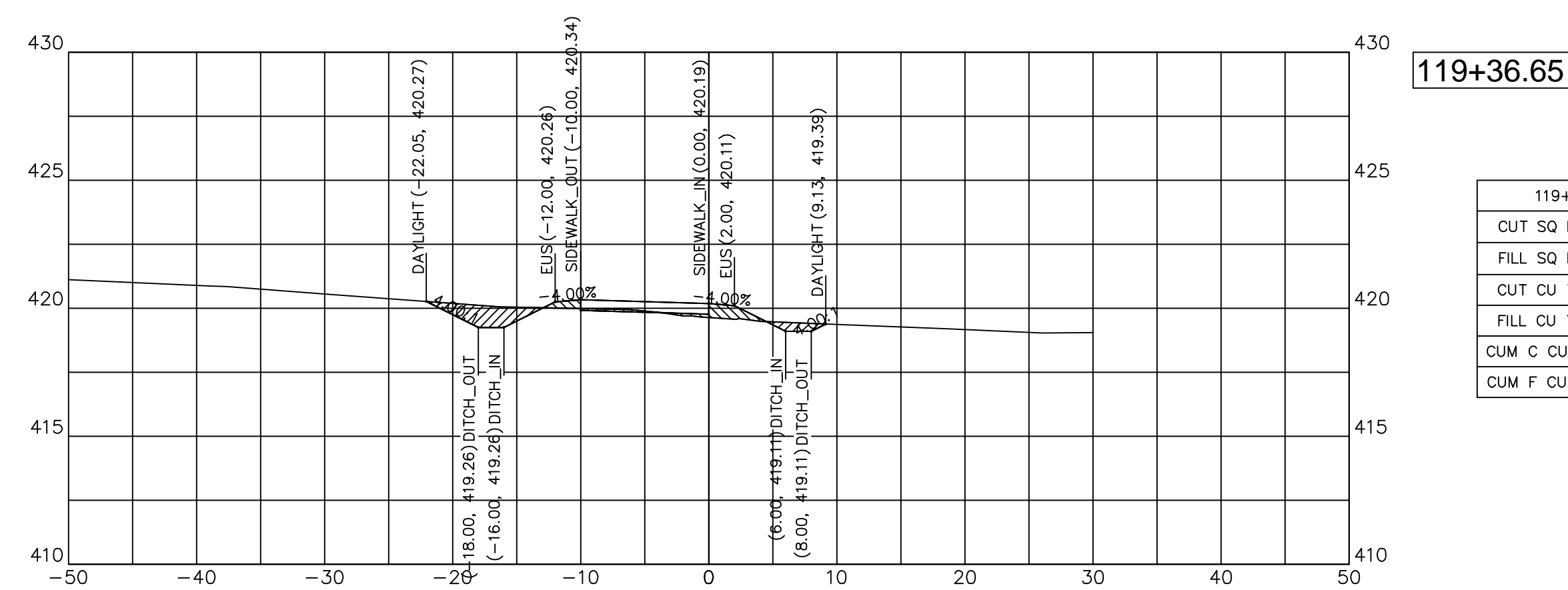
119+50.00

119+50.00	
CUT SQ FT	5.42
FILL SQ FT	2.62
CUT CU YD	2.97
FILL CU YD	1.33
CUM C CU YD	304.92
CUM F CU YD	175.46



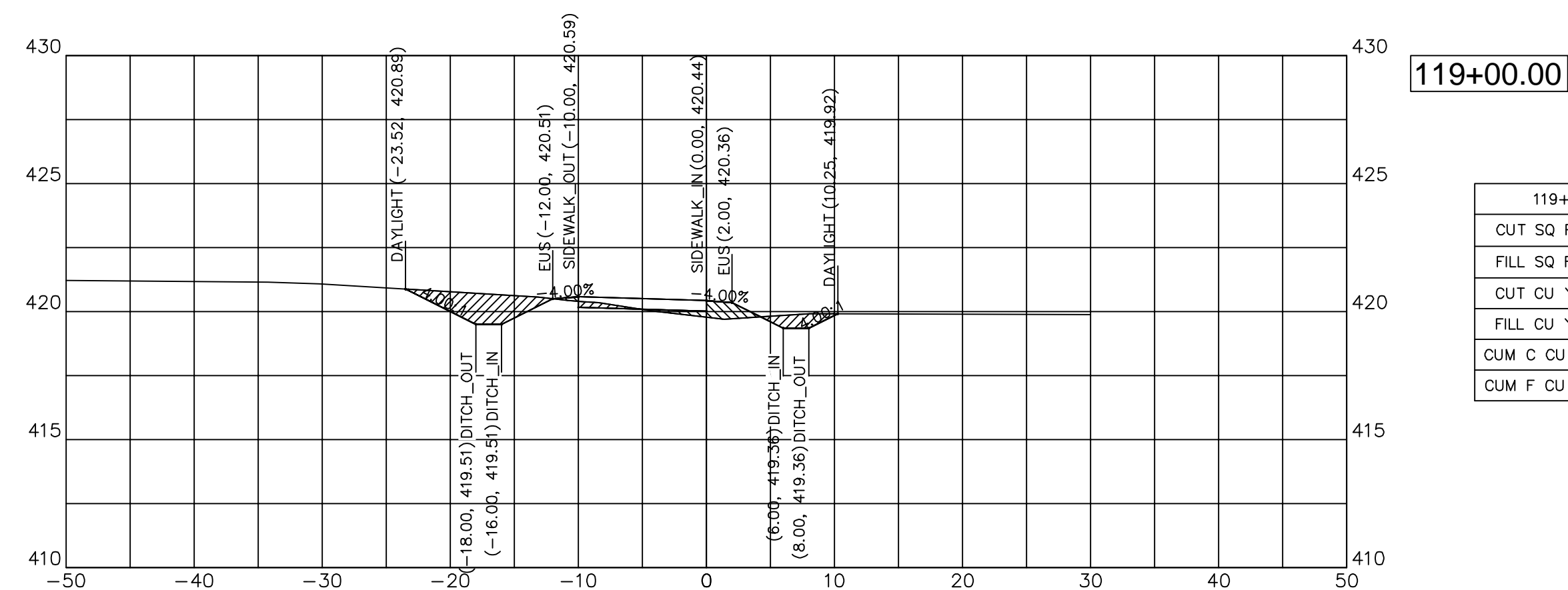
119+03.80

119+03.80	
CUT SQ FT	10.61
FILL SQ FT	2.74
CUT CU YD	1.51
FILL CU YD	0.39
CUM C CU YD	290.61
CUM F CU YD	171.03



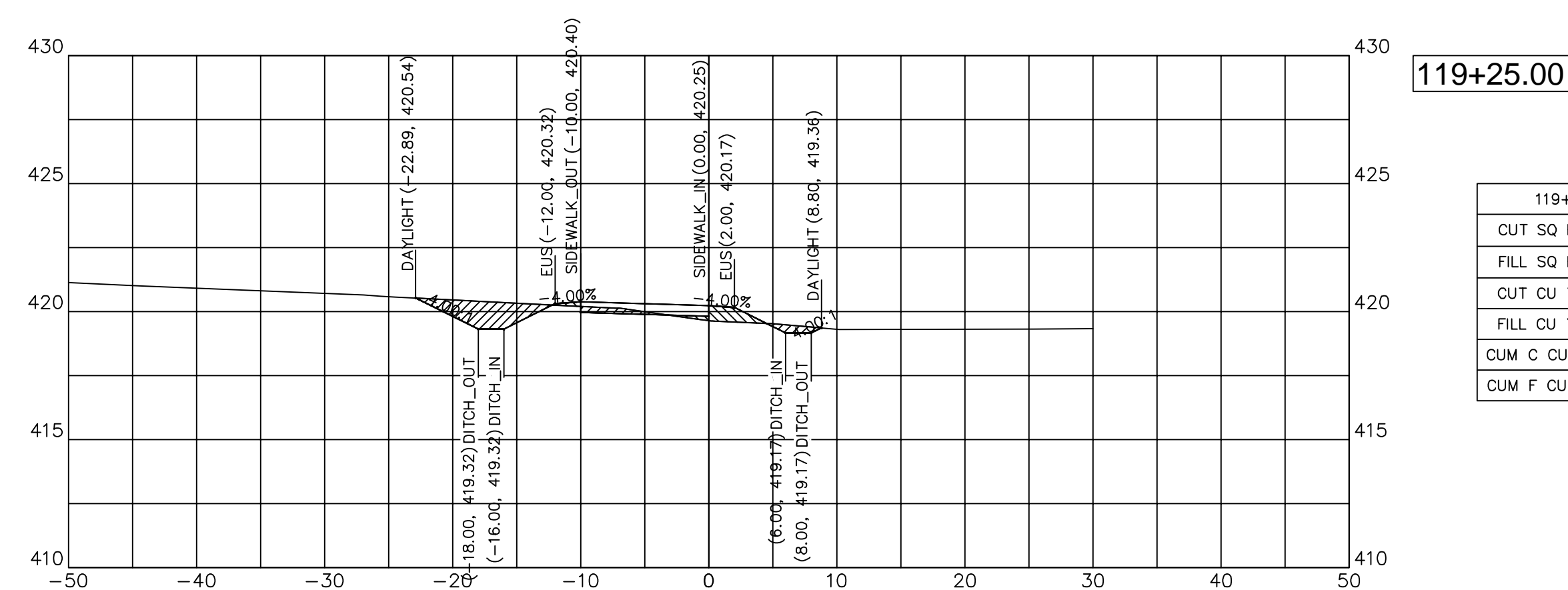
119+36.65

119+36.65	
CUT SQ FT	6.08
FILL SQ FT	2.71
CUT CU YD	3.34
FILL CU YD	1.10
CUM C CU YD	301.95
CUM F CU YD	174.13



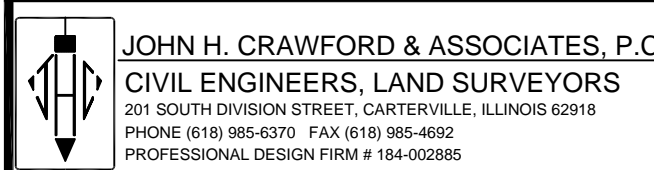
119+00.00

119+00.00	
CUT SQ FT	10.83
FILL SQ FT	2.84
CUT CU YD	10.26
FILL CU YD	2.75
CUM C CU YD	289.10
CUM F CU YD	170.63



119+25.00

119+25.00	
CUT SQ FT	8.72
FILL SQ FT	2.38
CUT CU YD	6.37
FILL CU YD	1.59
CUM C CU YD	298.61
CUM F CU YD	173.03



DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

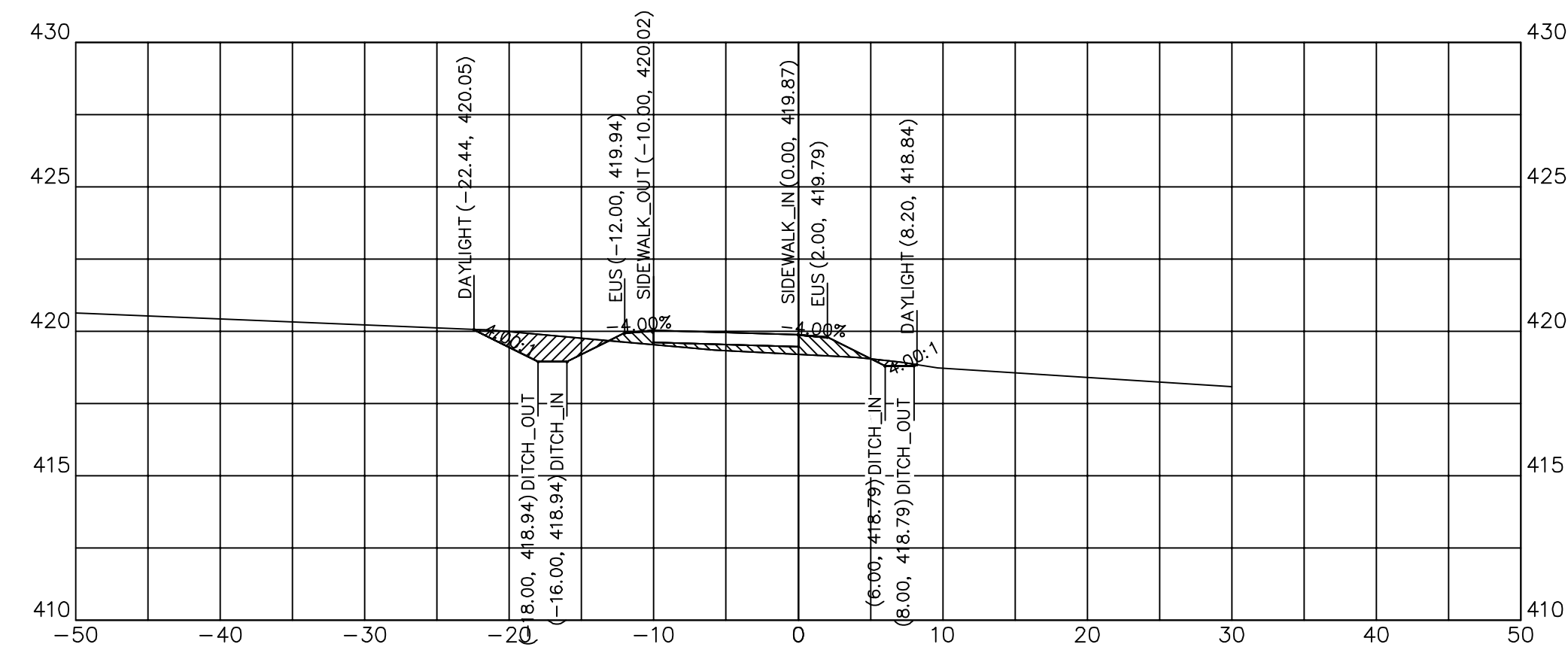
JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 10 OF 36 SHEETS STA. 118+75 TO STA. 119+37.11

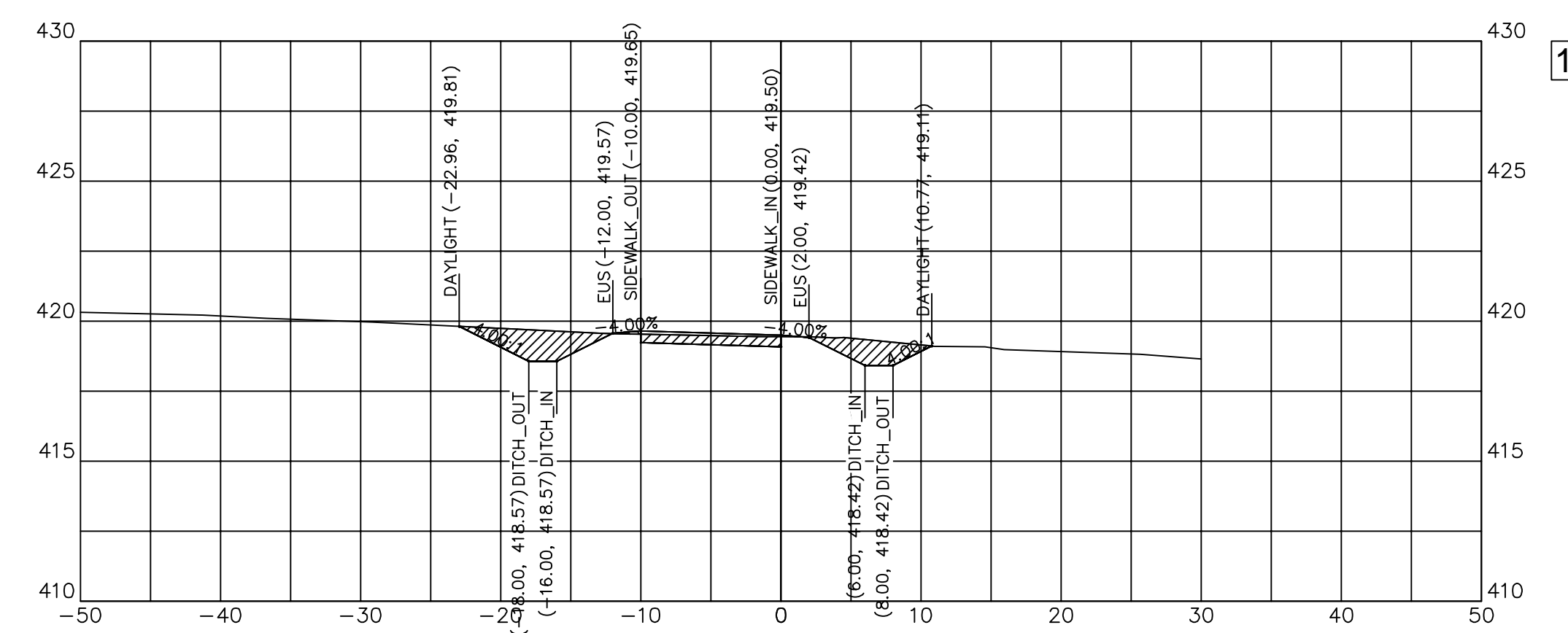
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	39
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(457)				





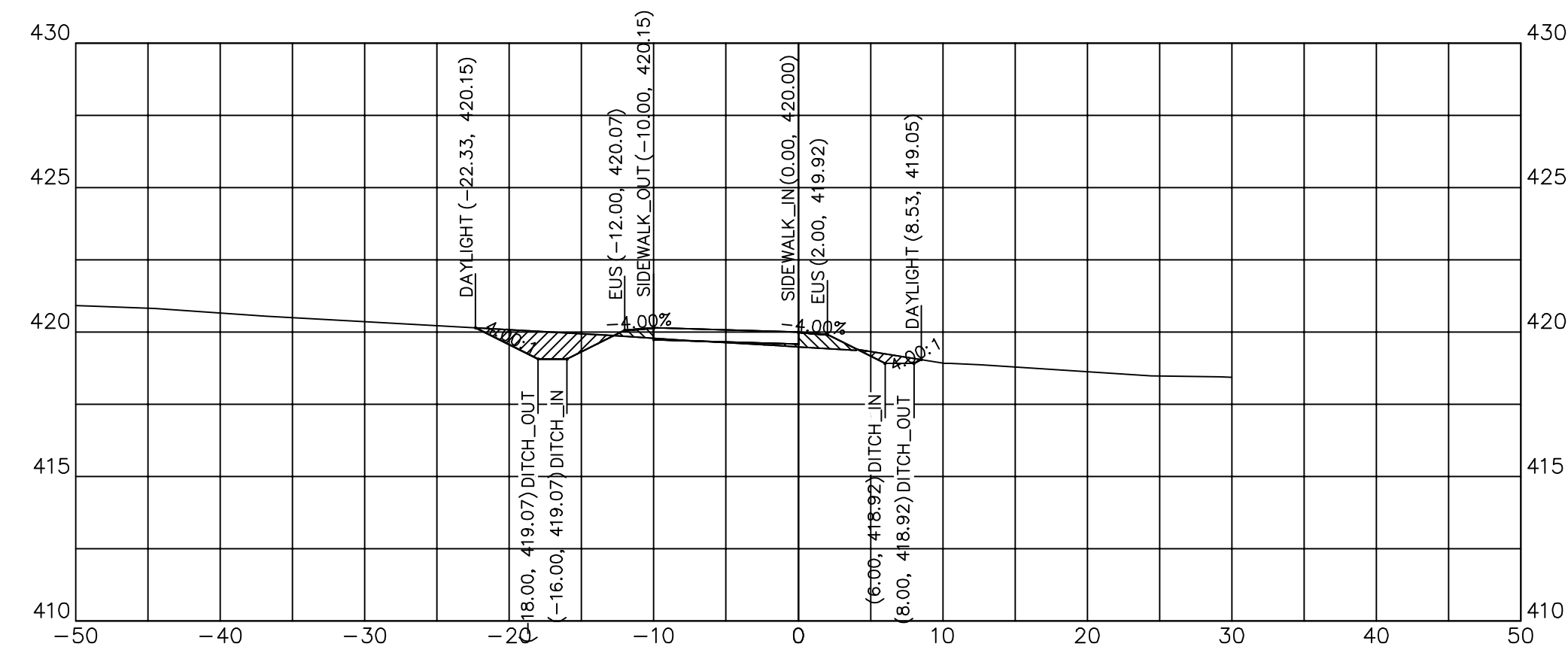
120+00.00

120+00.00	
CUT SQ FT	5.58
FILL SQ FT	5.13
CUT CU YD	5.53
FILL CU YD	3.50
CUM C CU YD	316.39
CUM F CU YD	181.27



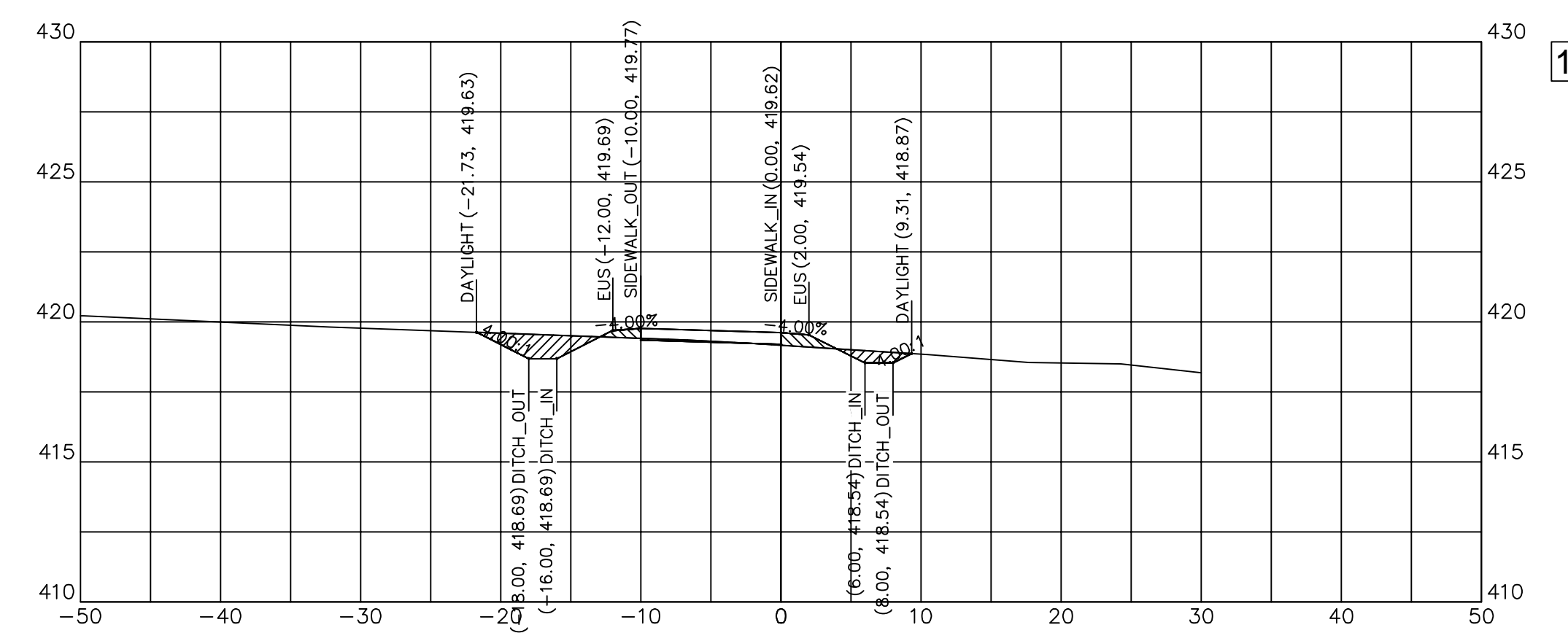
120+75.00

120+75.00	
CUT SQ FT	15.10
FILL SQ FT	0.15
CUT CU YD	9.94
FILL CU YD	1.01
CUM C CU YD	334.75
CUM F CU YD	190.65



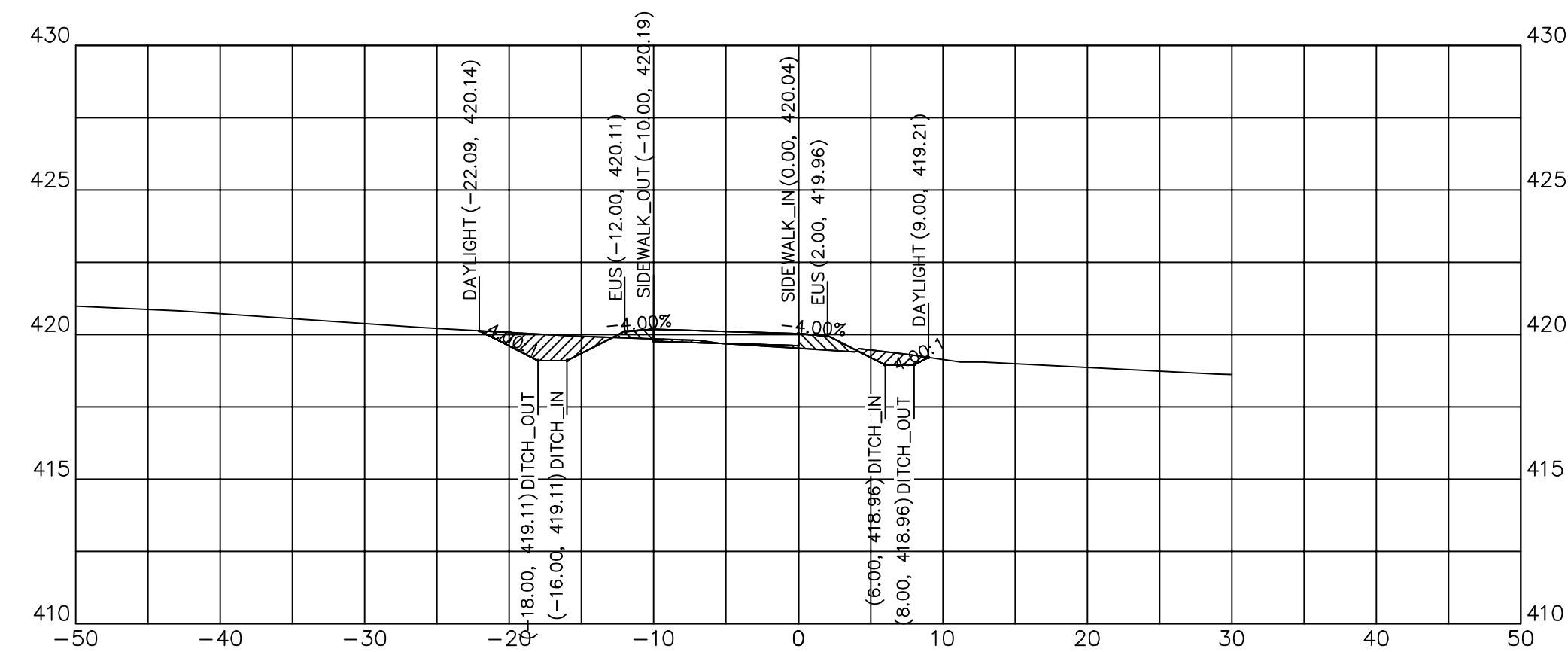
119+75.00

119+75.00	
CUT SQ FT	6.37
FILL SQ FT	2.44
CUT CU YD	2.35
FILL CU YD	0.87
CUM C CU YD	310.85
CUM F CU YD	177.77



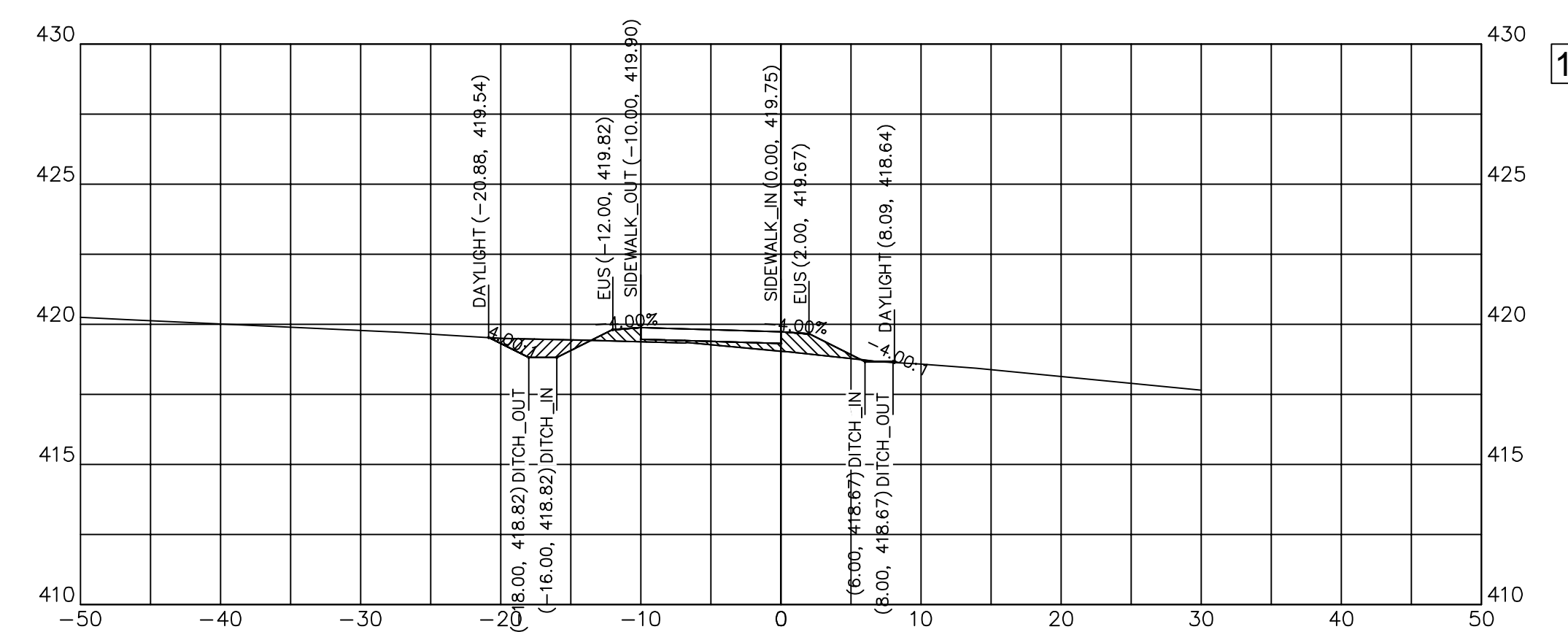
120+50.00

120+50.00	
CUT SQ FT	6.38
FILL SQ FT	2.04
CUT CU YD	4.40
FILL CU YD	3.47
CUM C CU YD	324.81
CUM F CU YD	189.64



119+65.32

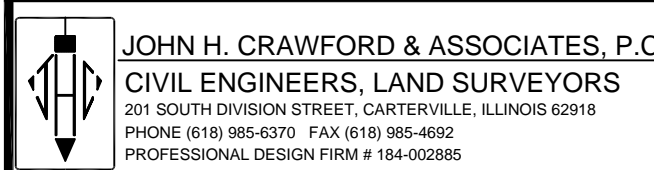
119+65.32	
CUT SQ FT	6.72
FILL SQ FT	2.41
CUT CU YD	3.59
FILL CU YD	1.44
CUM C CU YD	308.50
CUM F CU YD	176.90



120+25.00

120+25.00	
CUT SQ FT	3.12
FILL SQ FT	5.45
CUT CU YD	4.03
FILL CU YD	4.90
CUM C CU YD	320.41
CUM F CU YD	186.17

C:\Civil 3D Projects\JALC SW\DWG\JHCA Multi-Use Path 052020 B.dwg, 7/12/2020 1:19:17 PM, PDF Complete



DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

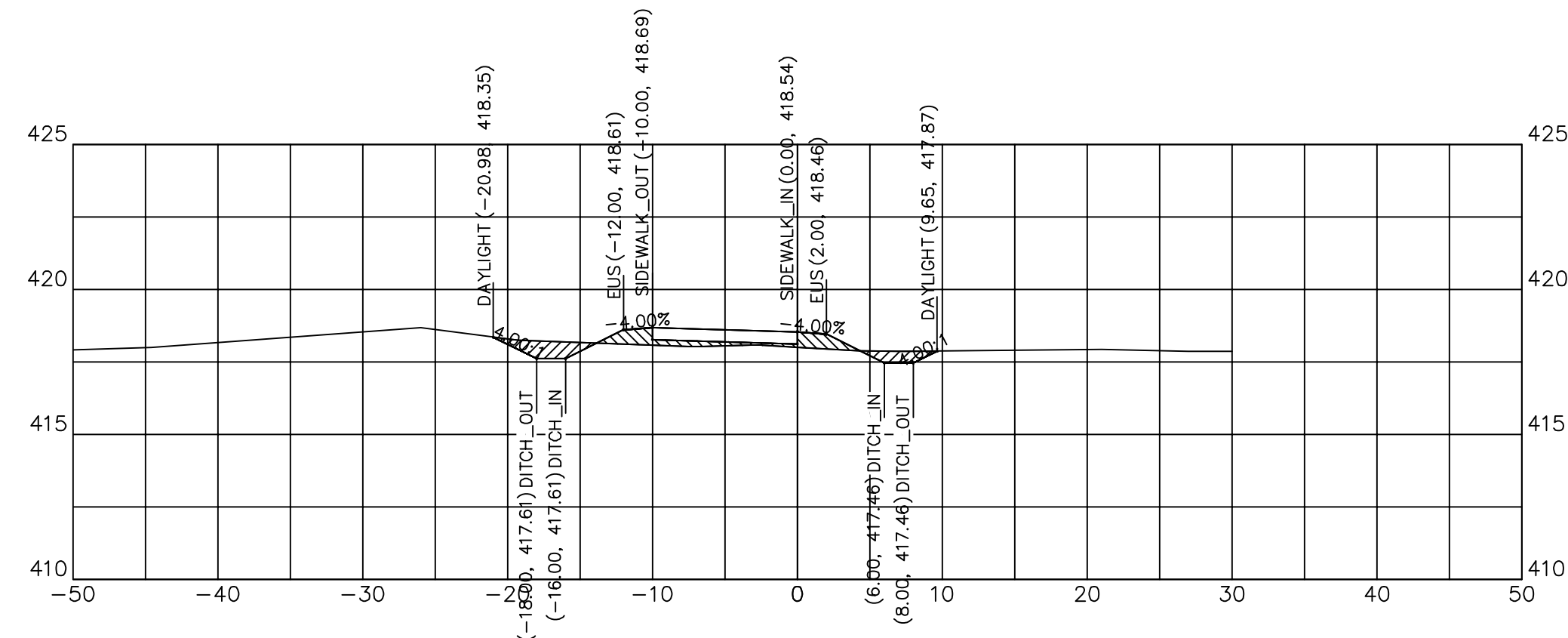
JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 11 OF SHEETS STA. 119+50 TO STA. 120+50

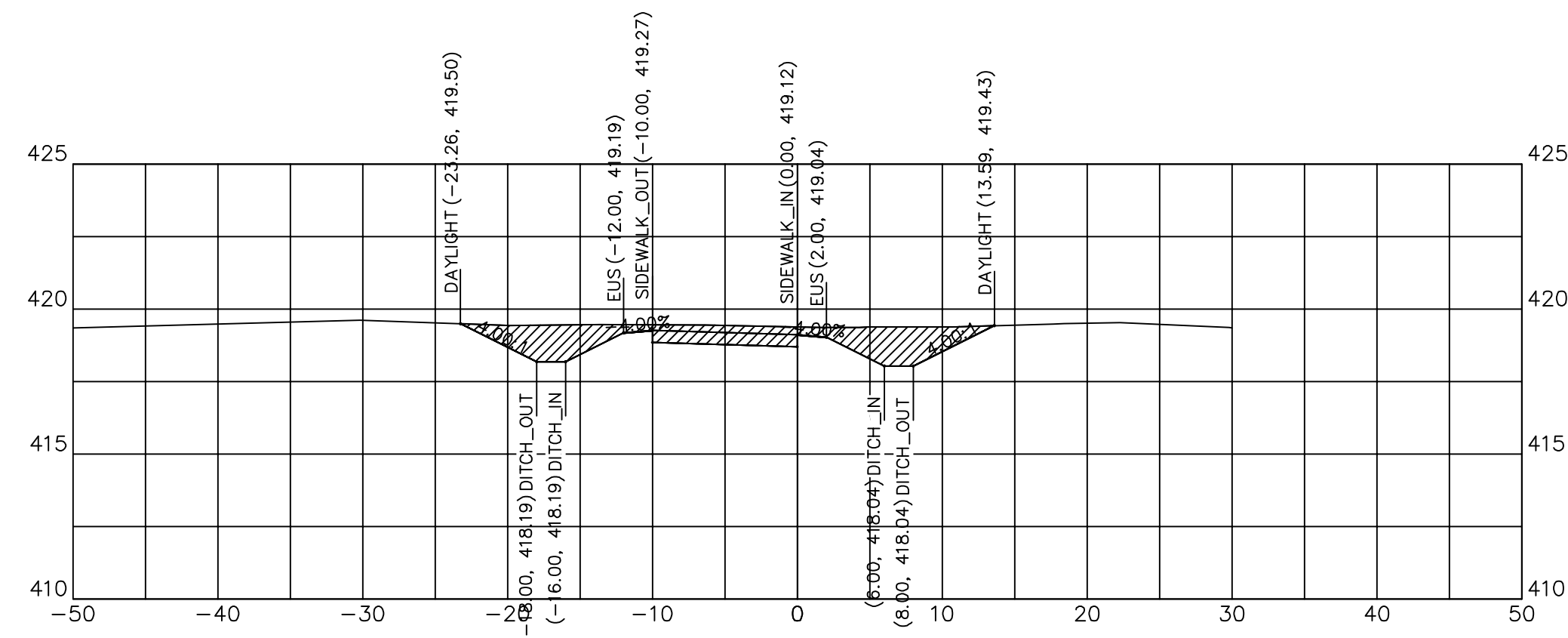
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	40
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(457)				





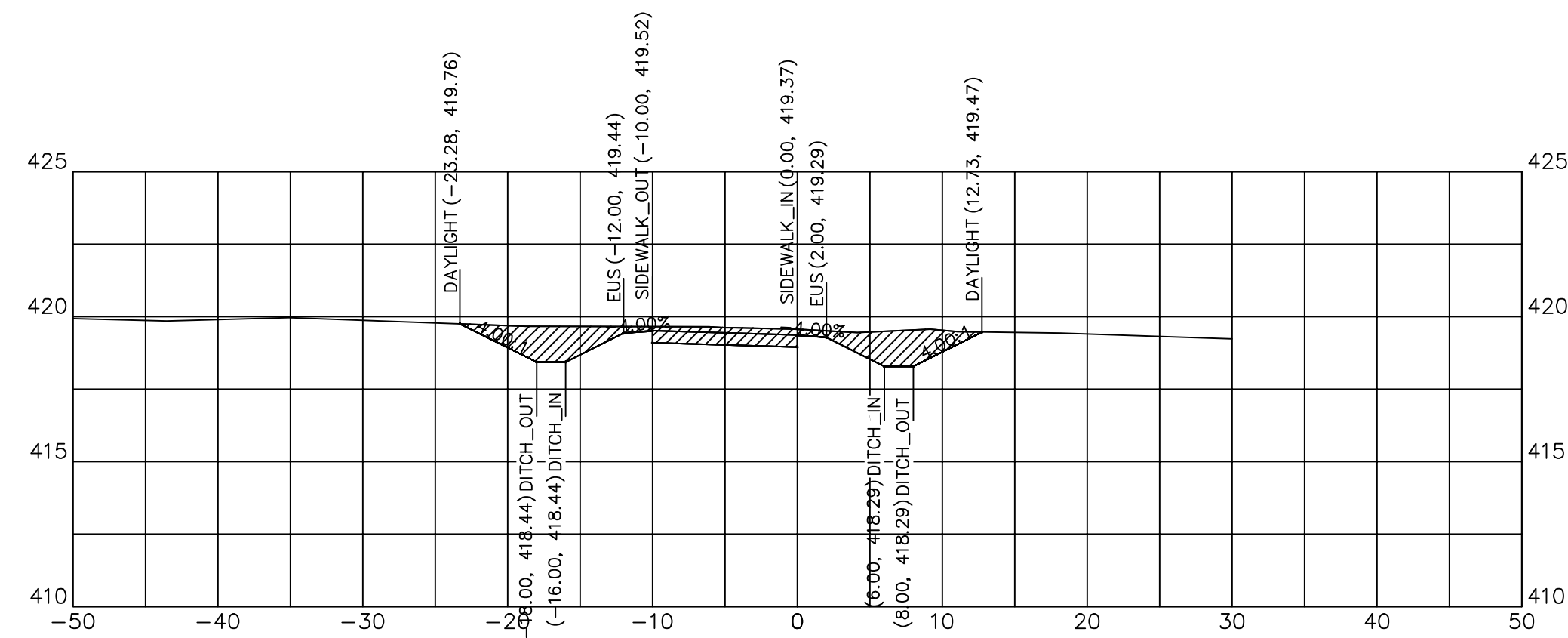
121+50.00

121+50.00	
CUT SQ FT	4.15
FILL SQ FT	4.61
CUT CU YD	14.09
FILL CU YD	2.13
CUM C CU YD	389.92
CUM F CU YD	192.85



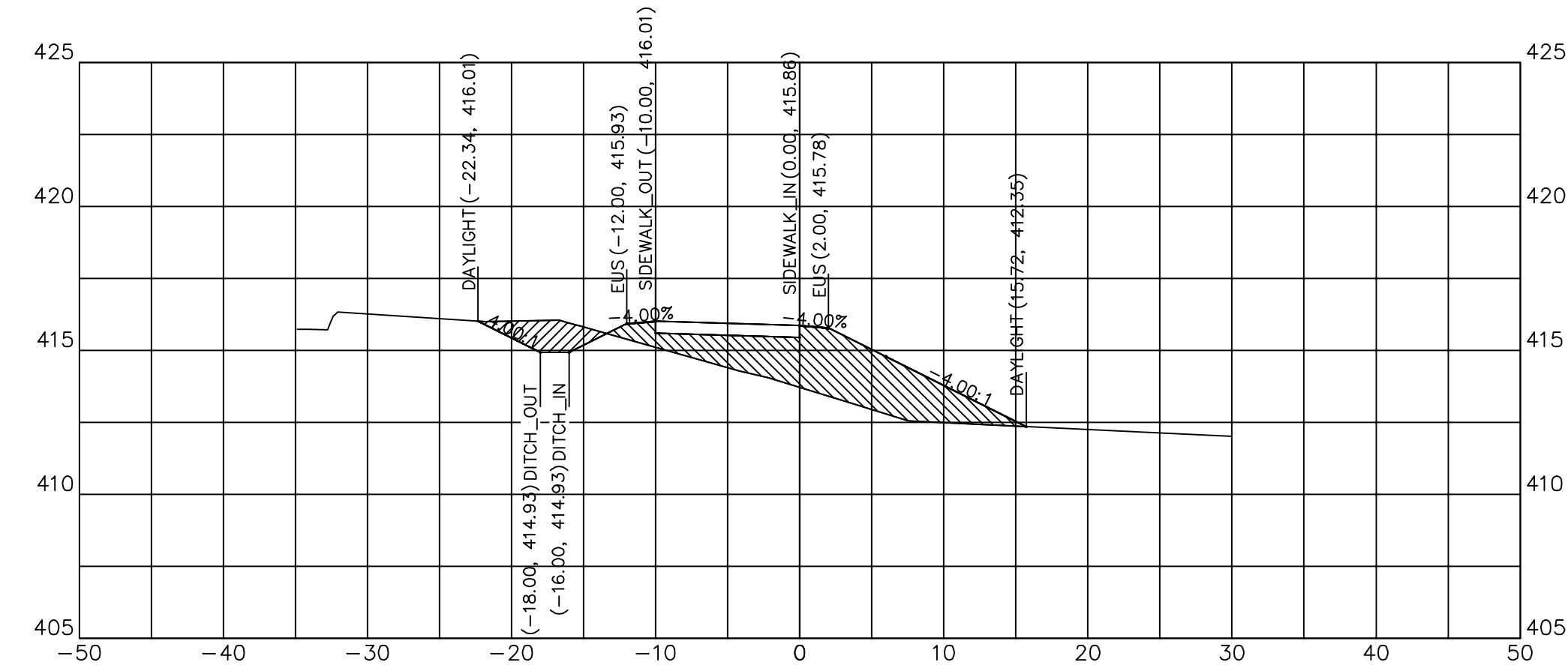
121+25.00

121+25.00	
CUT SQ FT	26.28
FILL SQ FT	0.00
CUT CU YD	23.13
FILL CU YD	0.00
CUM C CU YD	375.84
CUM F CU YD	190.72



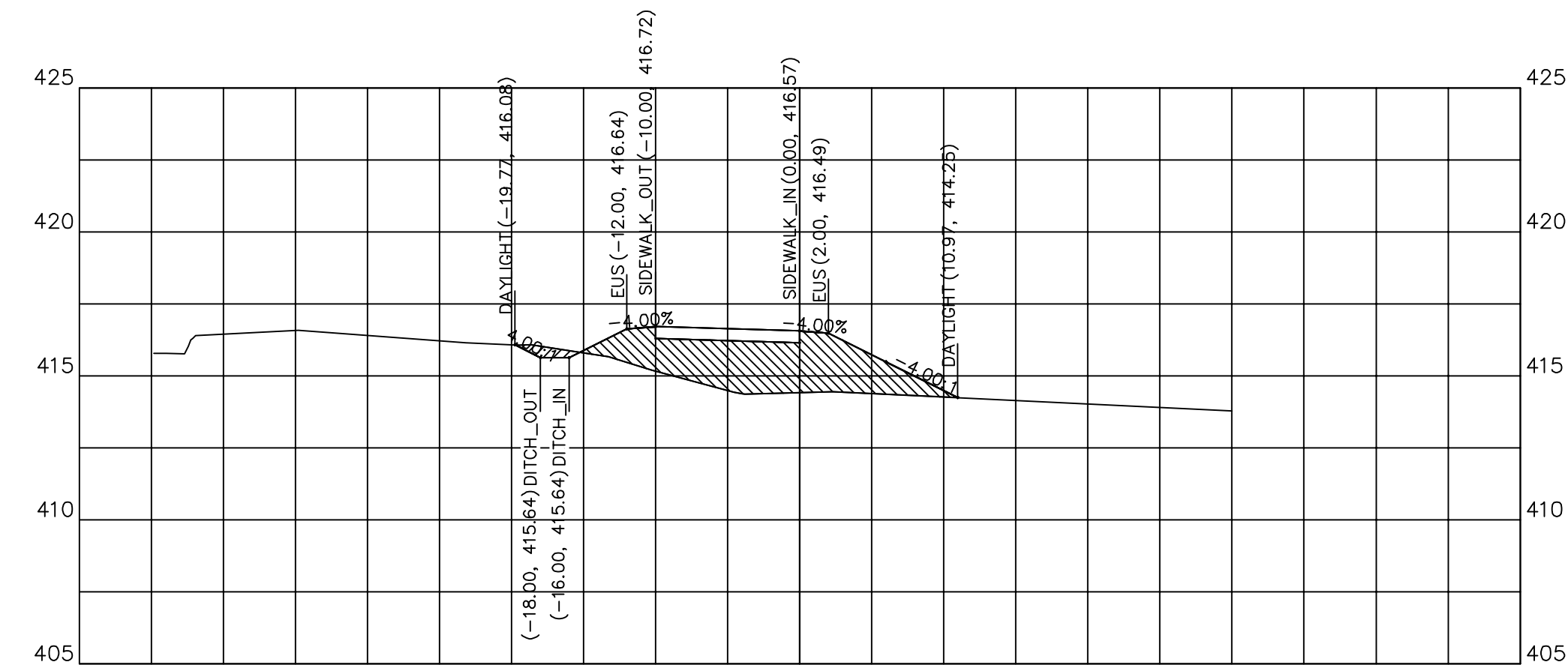
121+00.00

121+00.00	
CUT SQ FT	23.68
FILL SQ FT	0.00
CUT CU YD	17.95
FILL CU YD	0.07
CUM C CU YD	352.70
CUM F CU YD	190.72



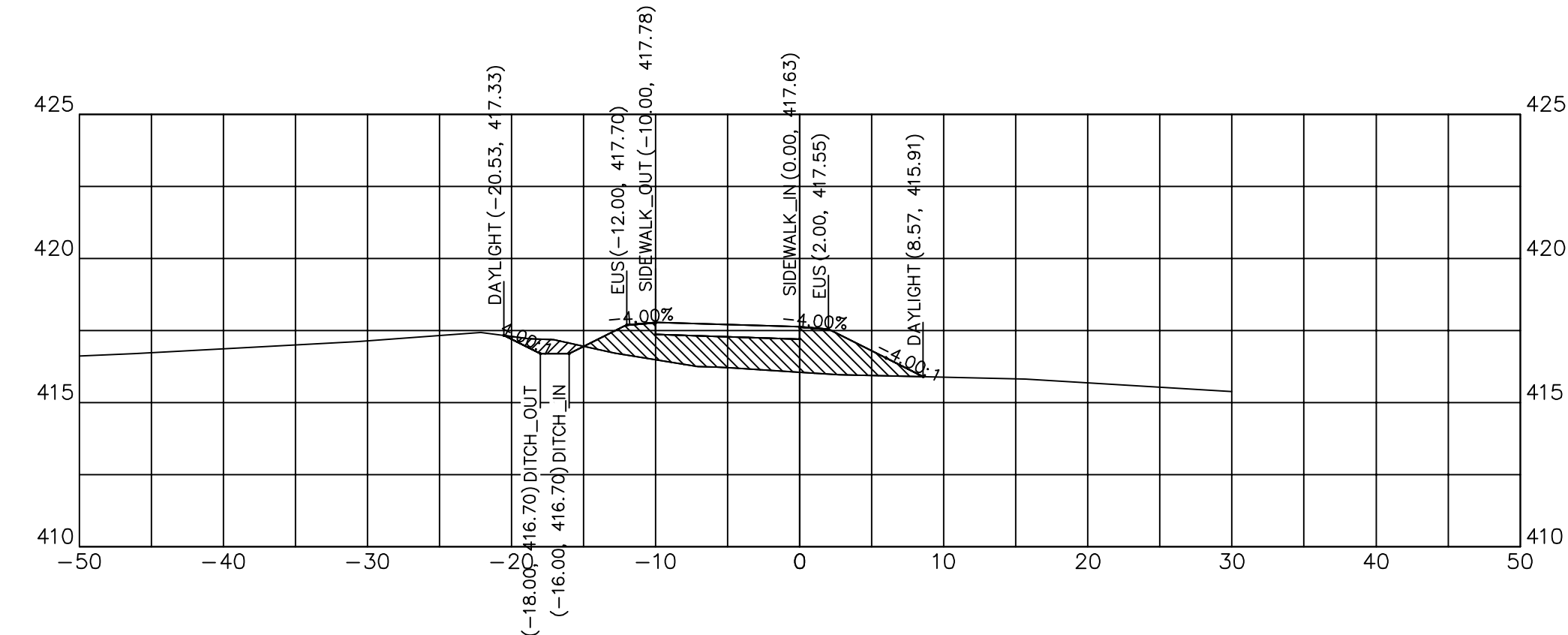
122+25.00

122+25.00	
CUT SQ FT	5.88
FILL SQ FT	36.65
CUT CU YD	3.22
FILL CU YD	32.65
CUM C CU YD	397.16
CUM F CU YD	264.40



122+00.00

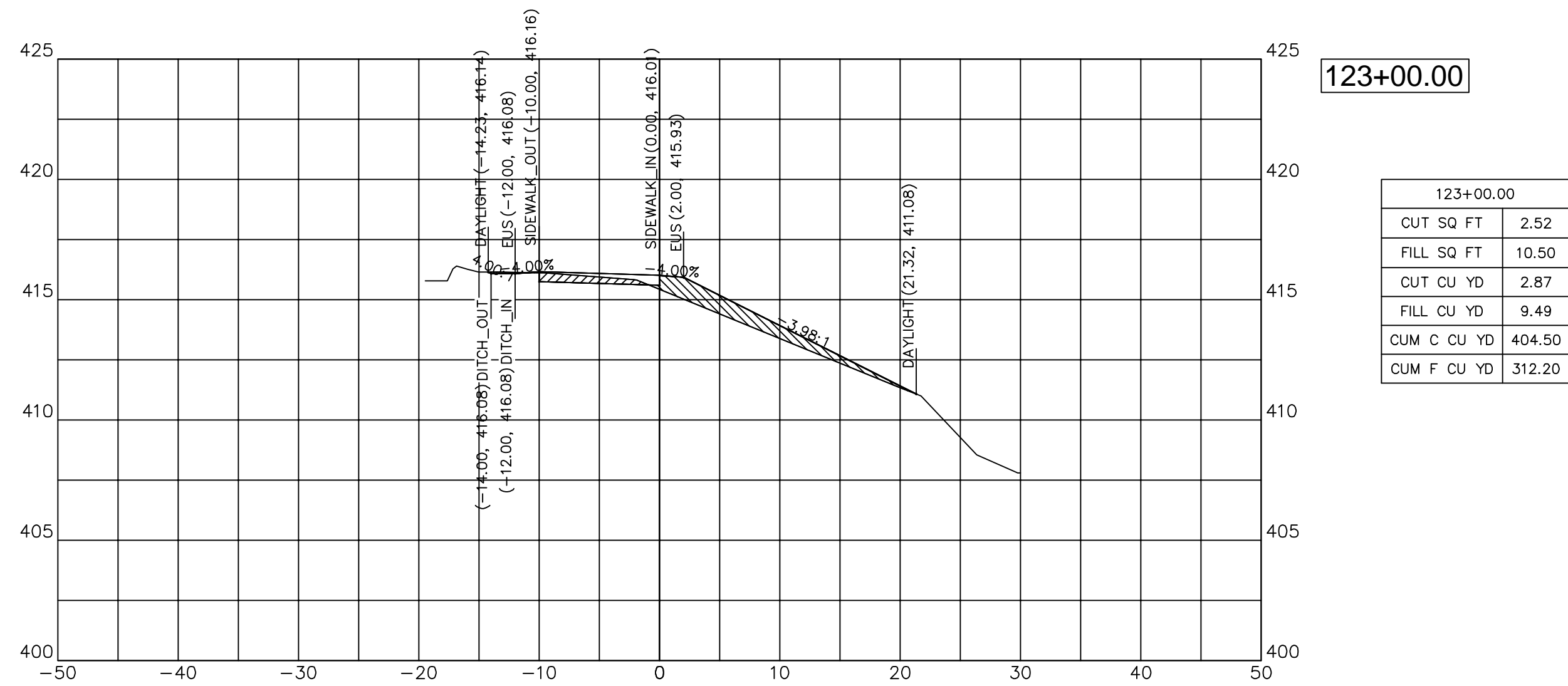
122+00.00	
CUT SQ FT	1.07
FILL SQ FT	33.88
CUT CU YD	1.30
FILL CU YD	26.22
CUM C CU YD	393.94
CUM F CU YD	231.75



121+75.00

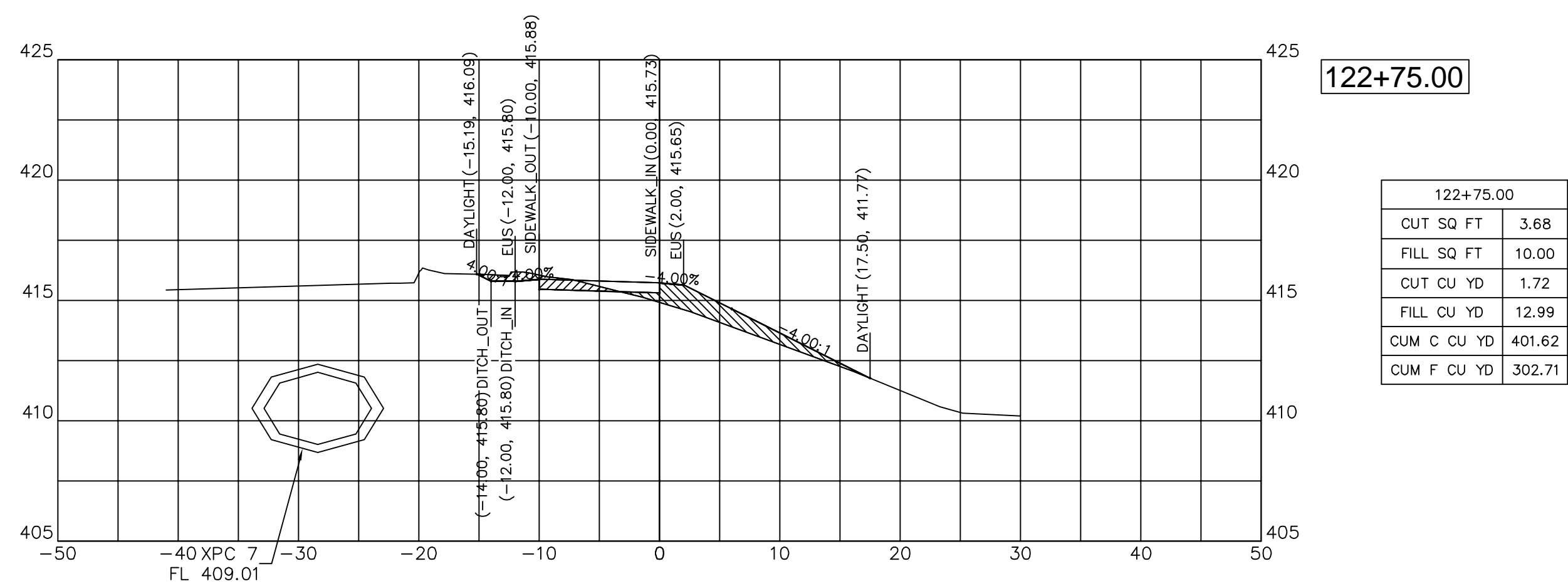
121+75.00	
CUT SQ FT	1.73
FILL SQ FT	22.76
CUT CU YD	2.72
FILL CU YD	12.67
CUM C CU YD	392.65
CUM F CU YD	205.52





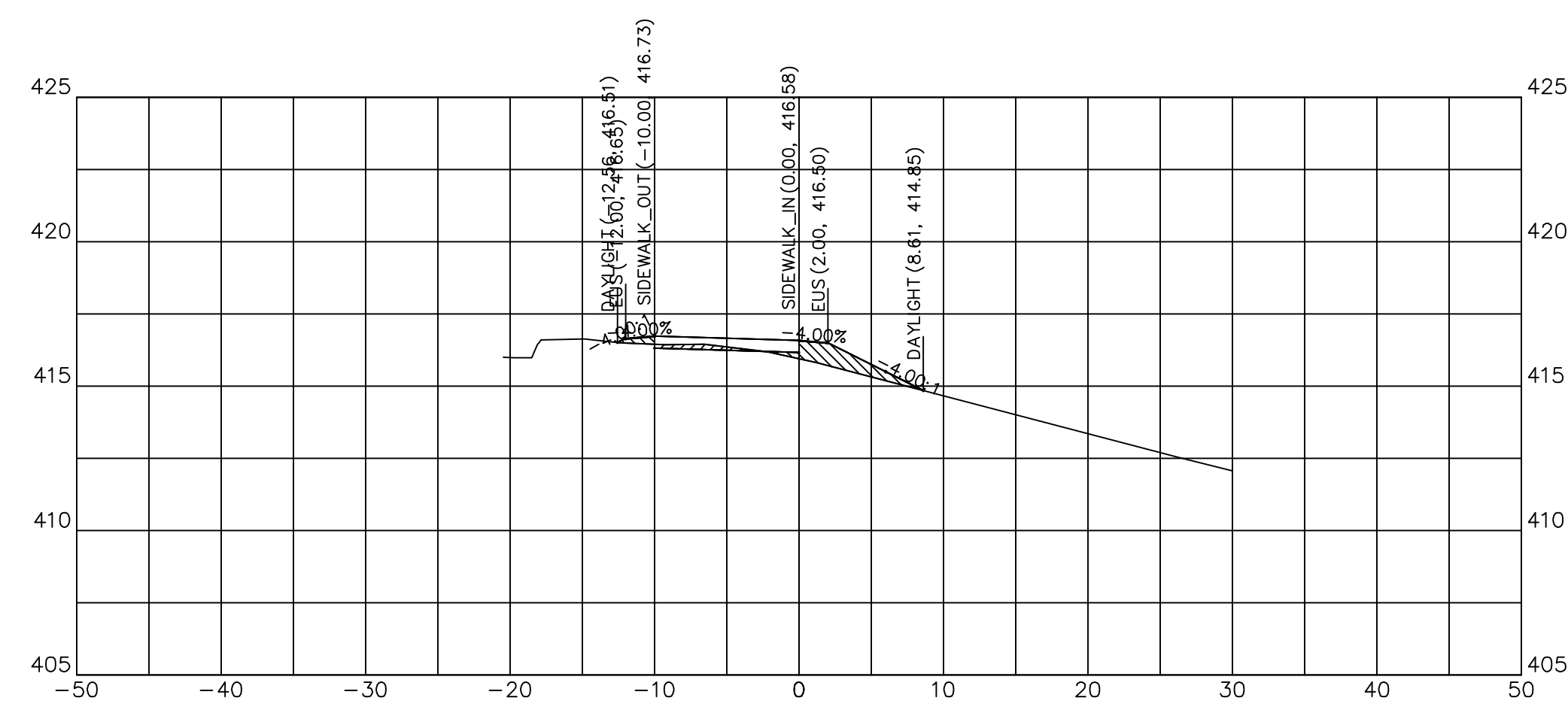
123+00.00

123+00.00	
CUT SQ FT	2.52
FILL SQ FT	10.50
CUT CU YD	2.87
FILL CU YD	9.49
CUM C CU YD	404.50
CUM F CU YD	312.20



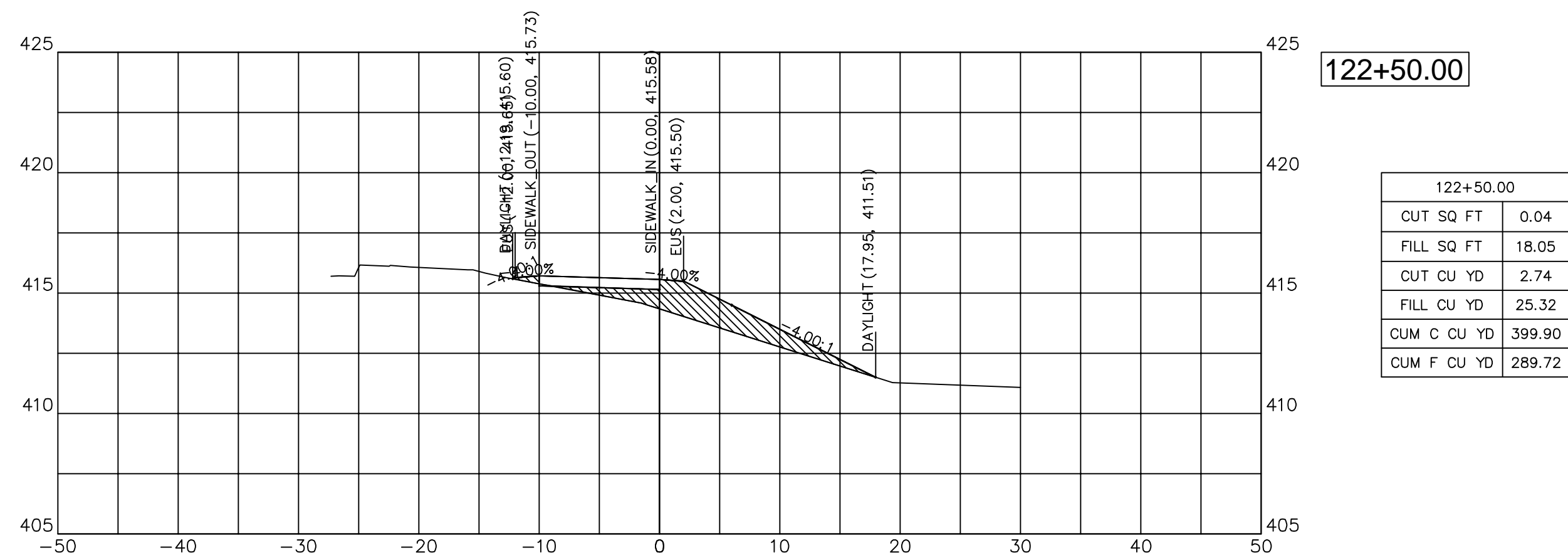
122+75.00

122+75.00	
CUT SQ FT	3.68
FILL SQ FT	10.00
CUT CU YD	1.72
FILL CU YD	12.99
CUM C CU YD	401.62
CUM F CU YD	302.71



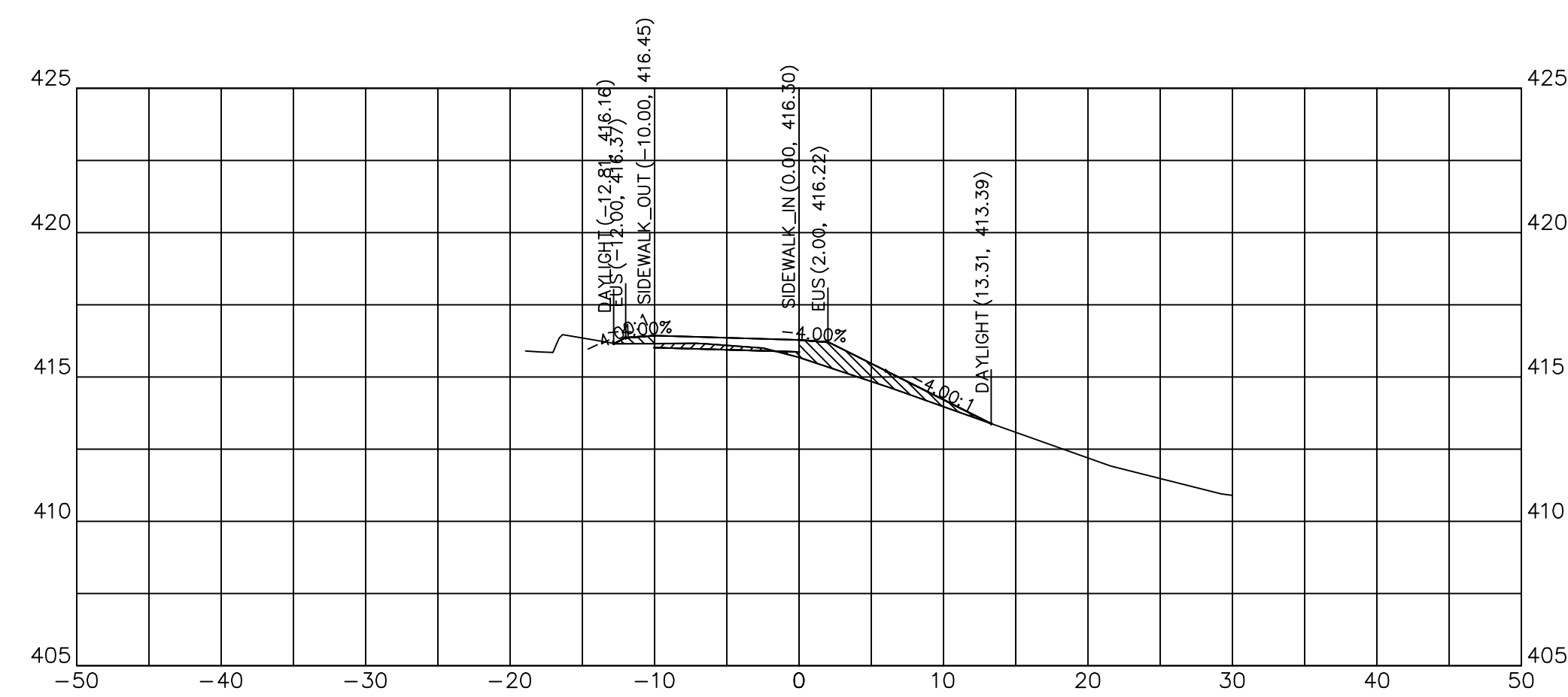
123+50.00

123+50.00	
CUT SQ FT	0.95
FILL SQ FT	4.69
CUT CU YD	0.97
FILL CU YD	5.36
CUM C CU YD	407.16
CUM F CU YD	325.61



122+50.00

122+50.00	
CUT SQ FT	0.04
FILL SQ FT	18.05
CUT CU YD	2.74
FILL CU YD	25.32
CUM C CU YD	399.90
CUM F CU YD	289.72



123+25.00

123+25.00	
CUT SQ FT	1.14
FILL SQ FT	6.89
CUT CU YD	1.70
FILL CU YD	8.05
CUM C CU YD	406.19
CUM F CU YD	320.25



DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

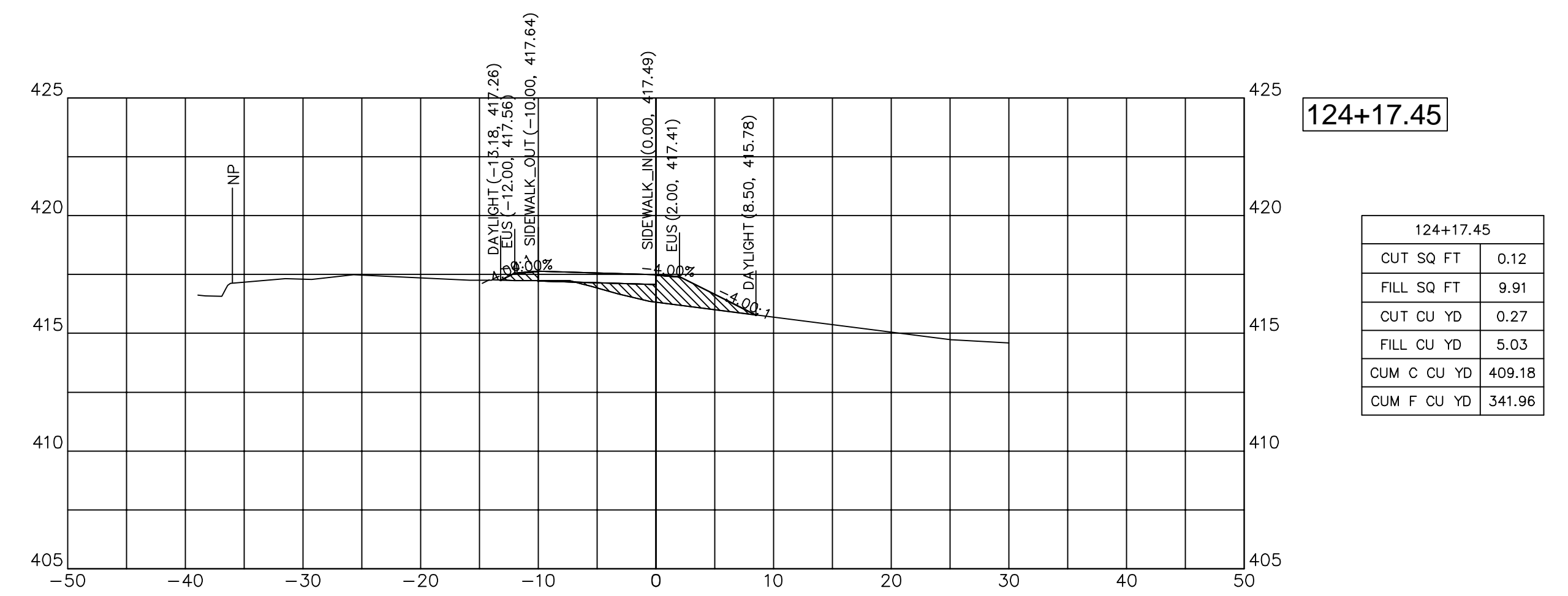
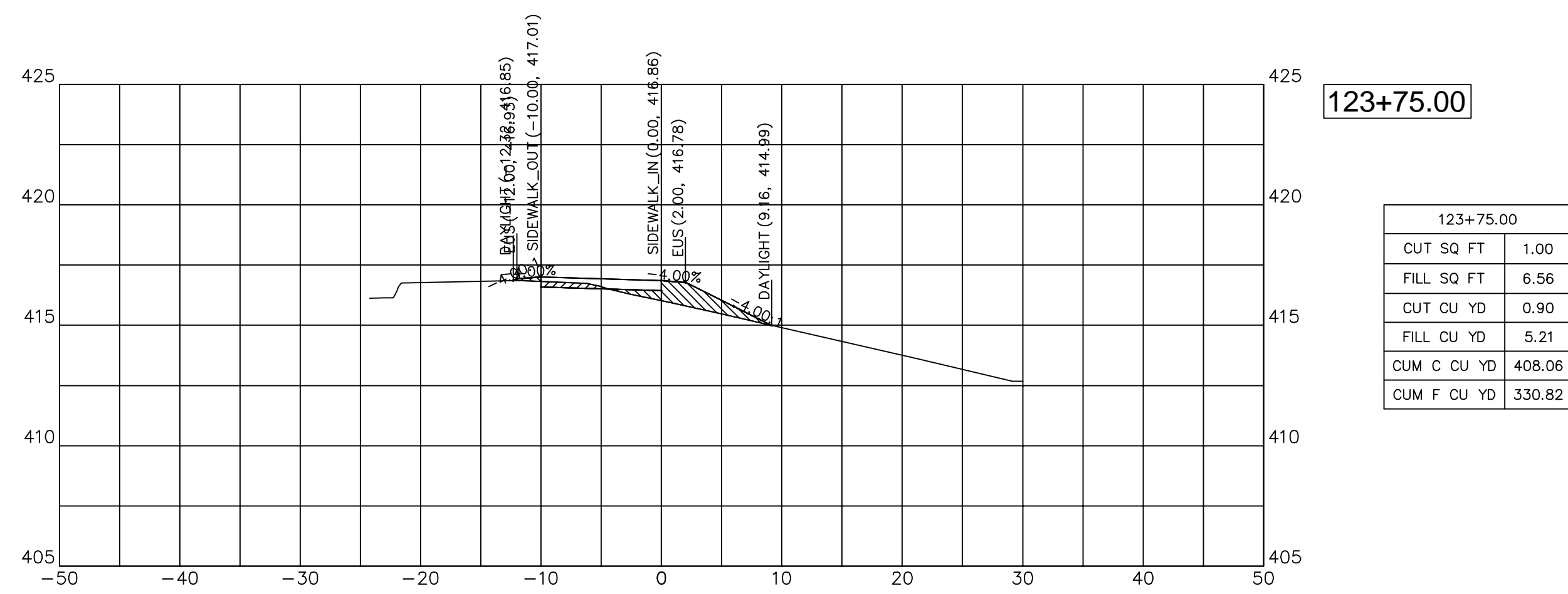
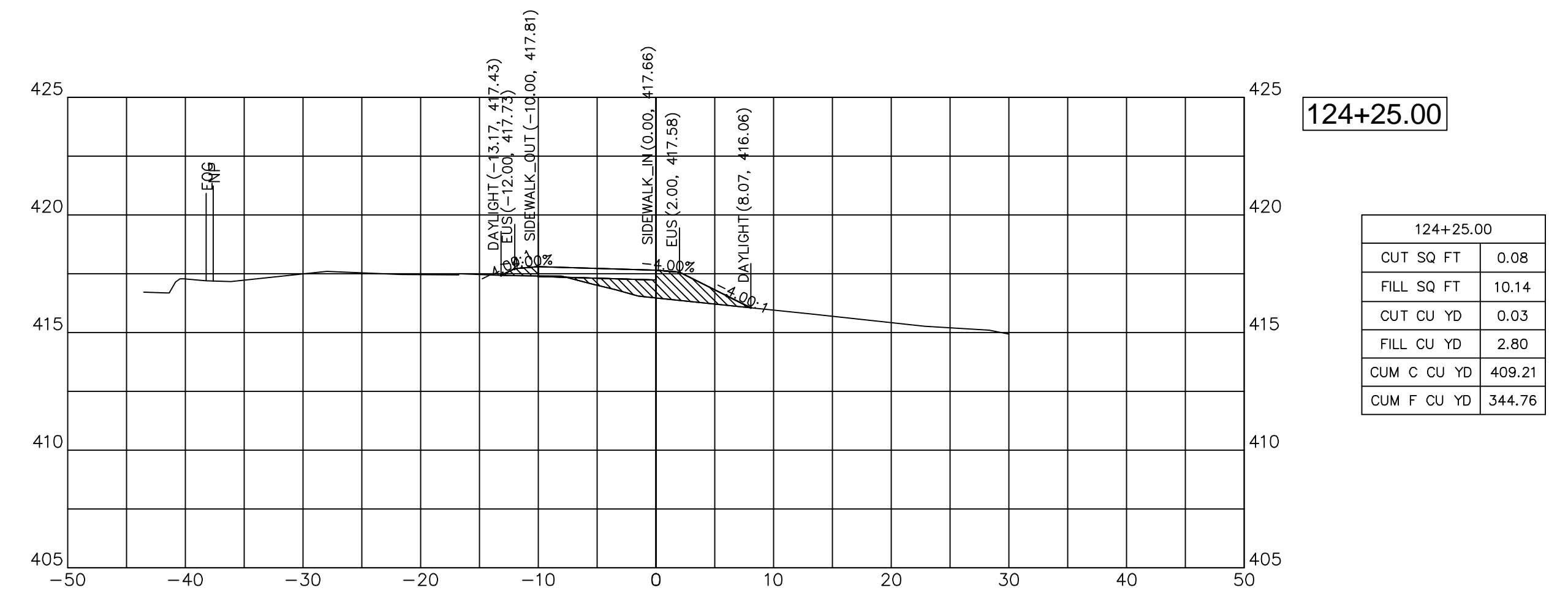
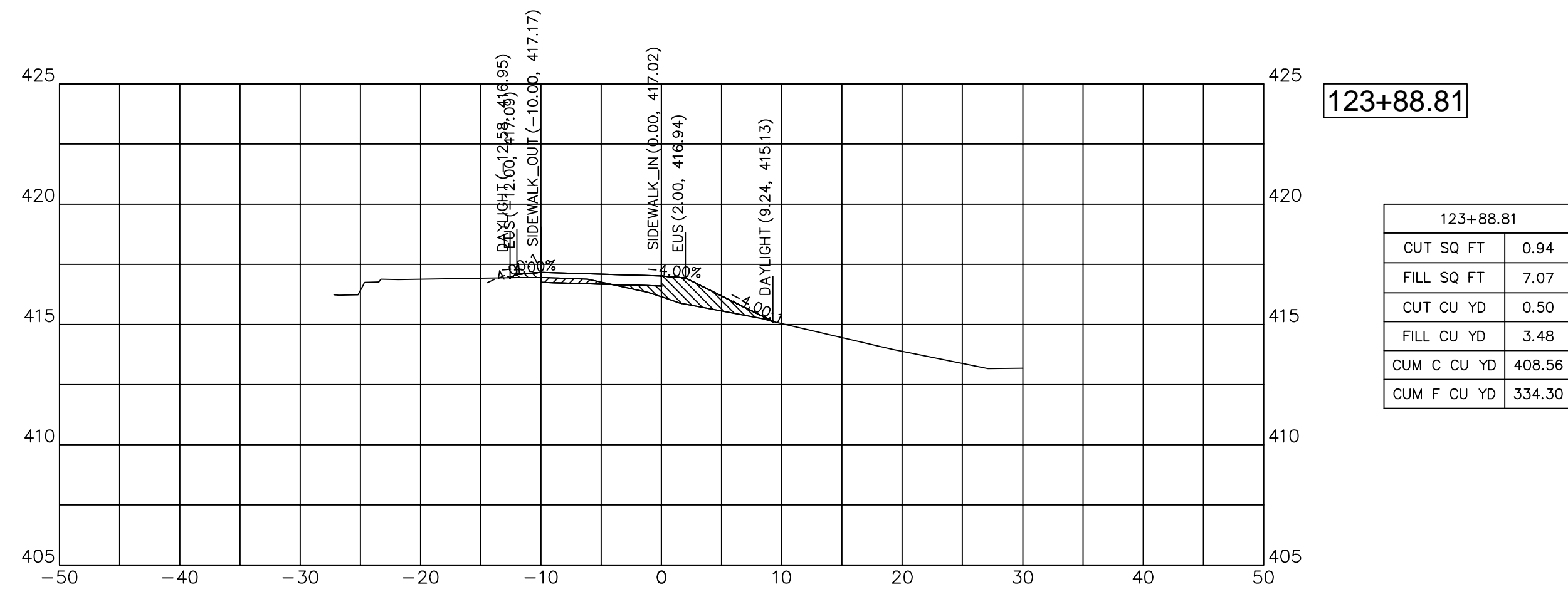
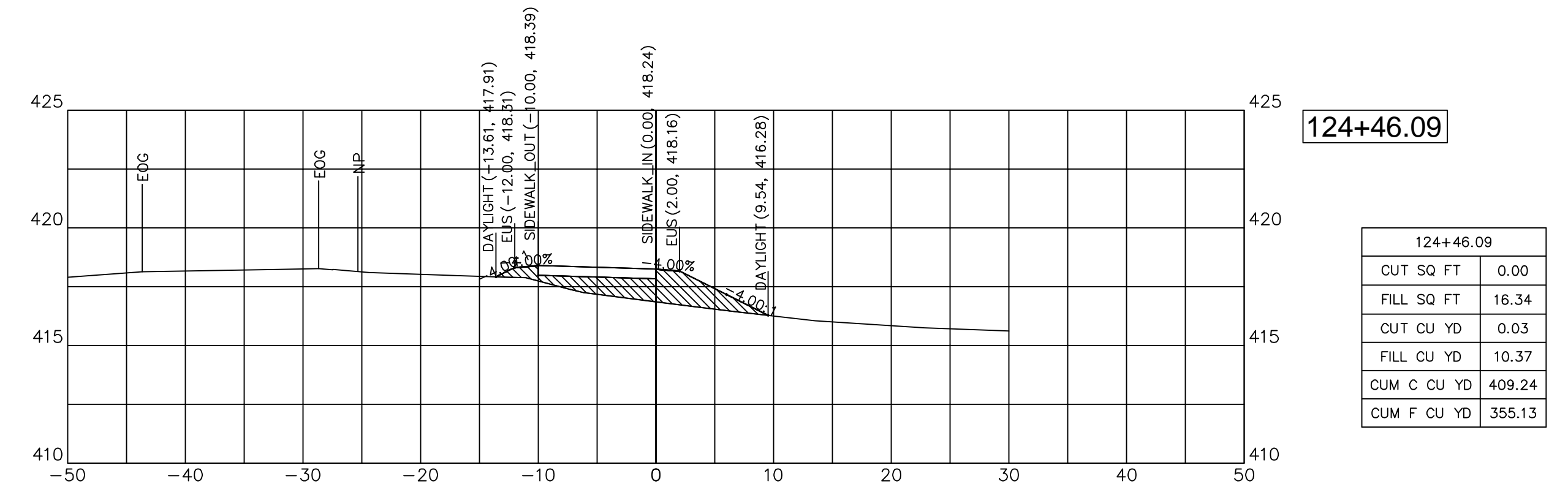
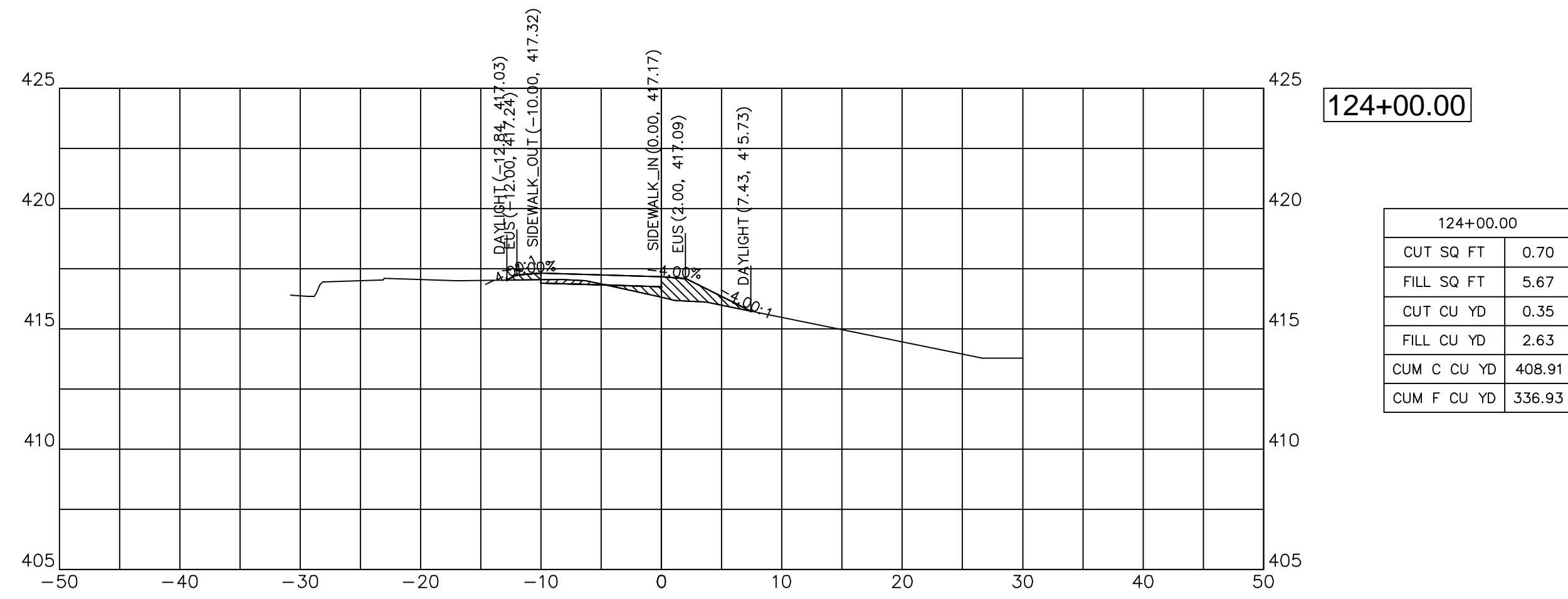
**JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MULTI-USE PATH**

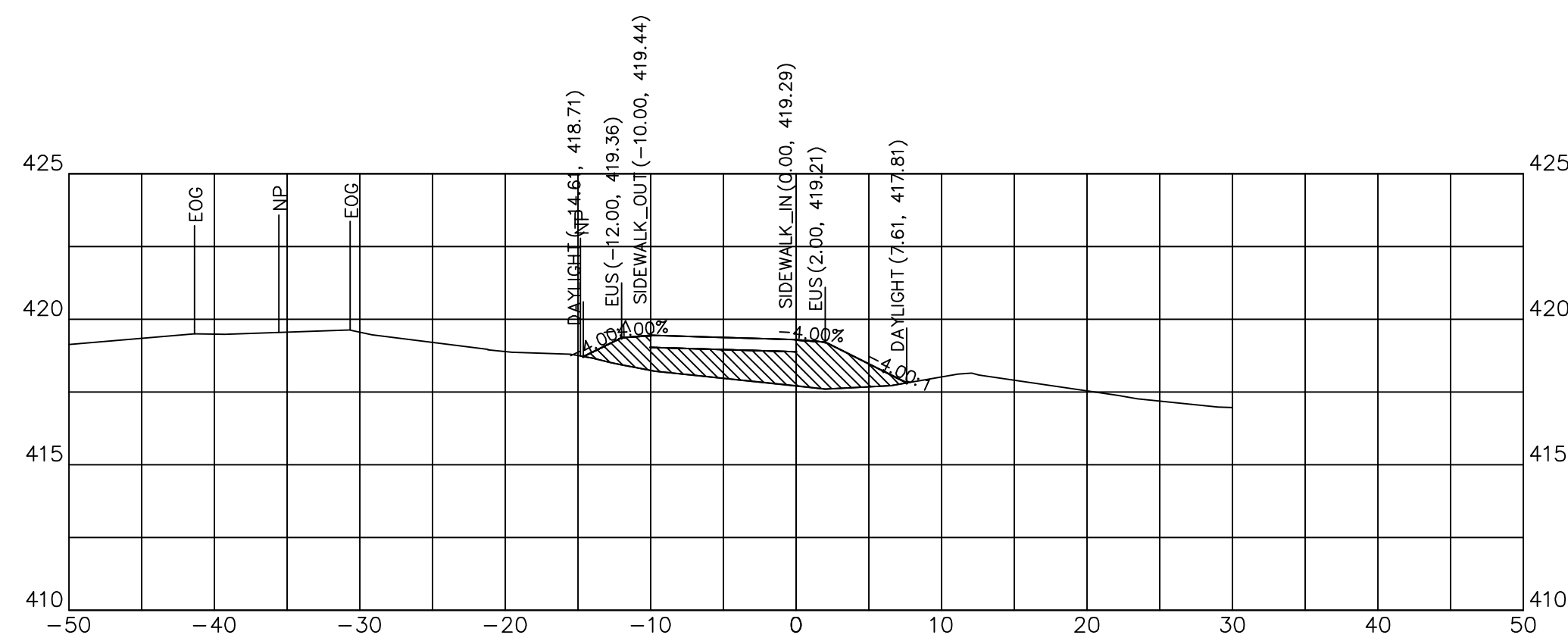
SCALE: HOR:1=10 VERT:1=5 SHEET 13 OF SHEETS STA. 122+25 TO STA. 123+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	42
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(457)				



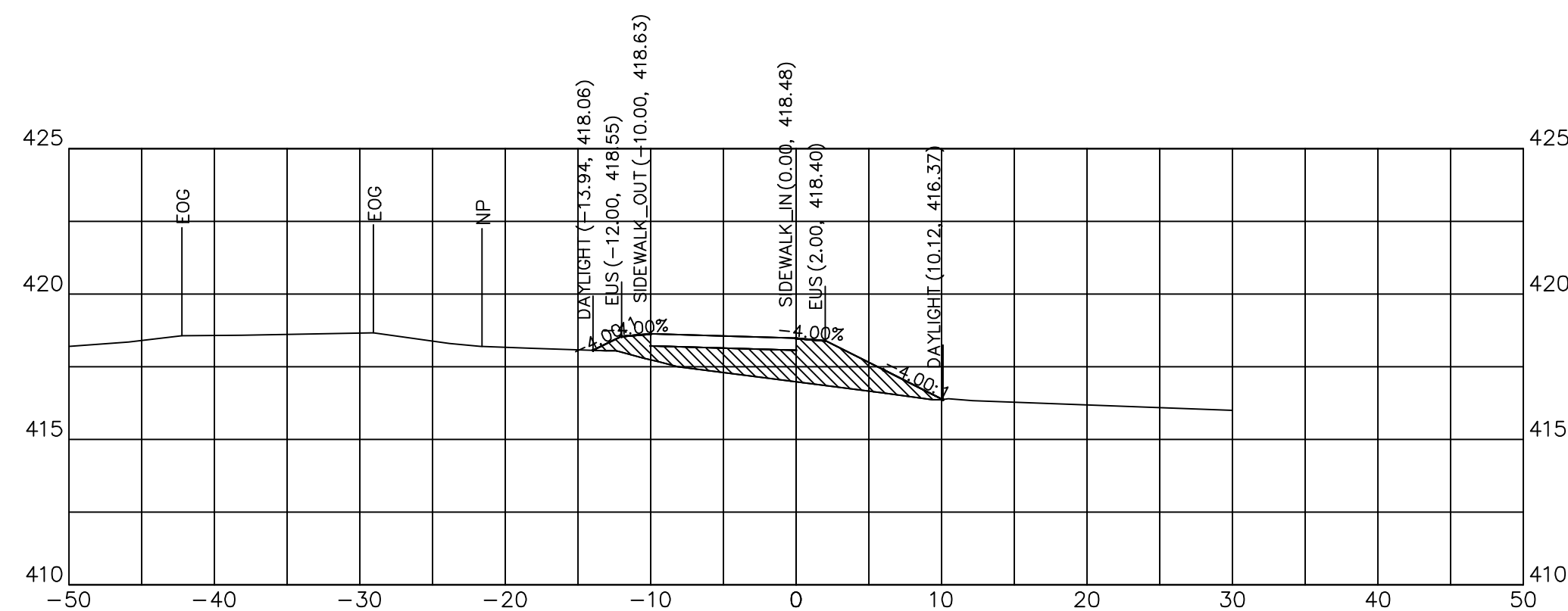






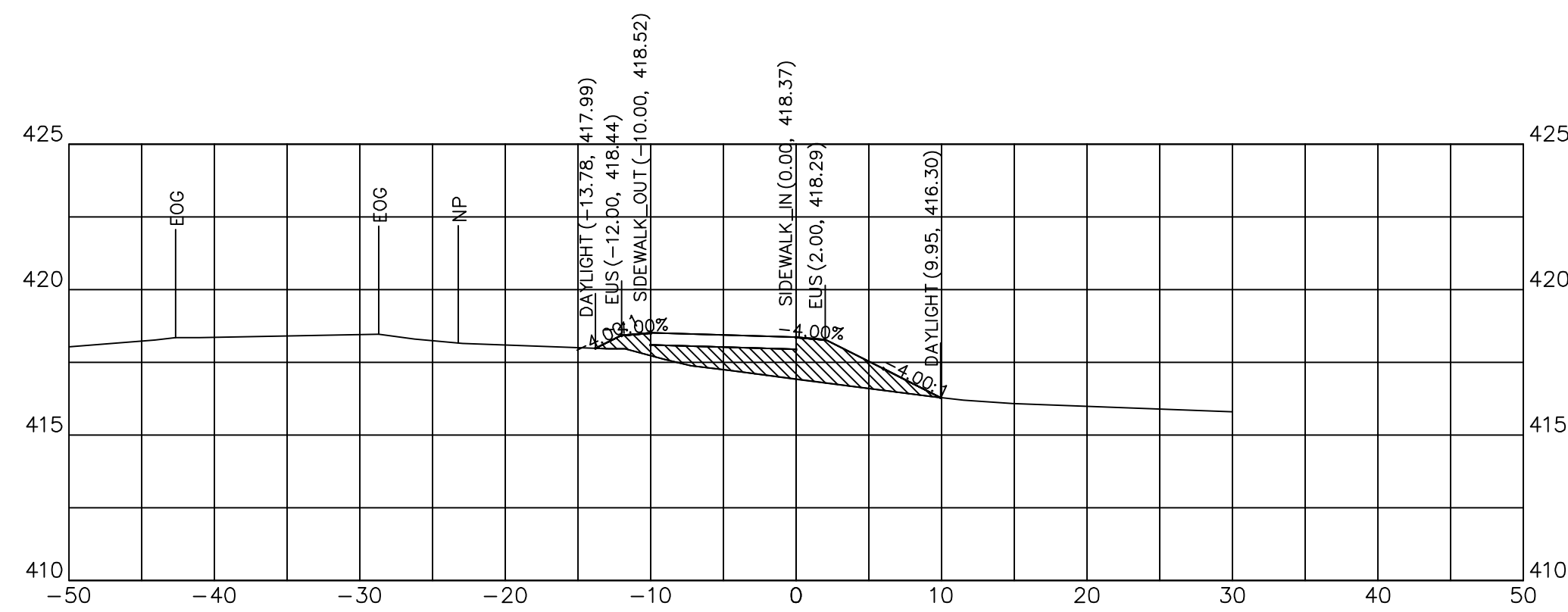
124+75.00

124+75.00	
CUT SQ FT	0.00
FILL SQ FT	21.05
CUT CU YD	0.00
FILL CU YD	16.09
CUM C CU YD	409.24
CUM F CU YD	376.09



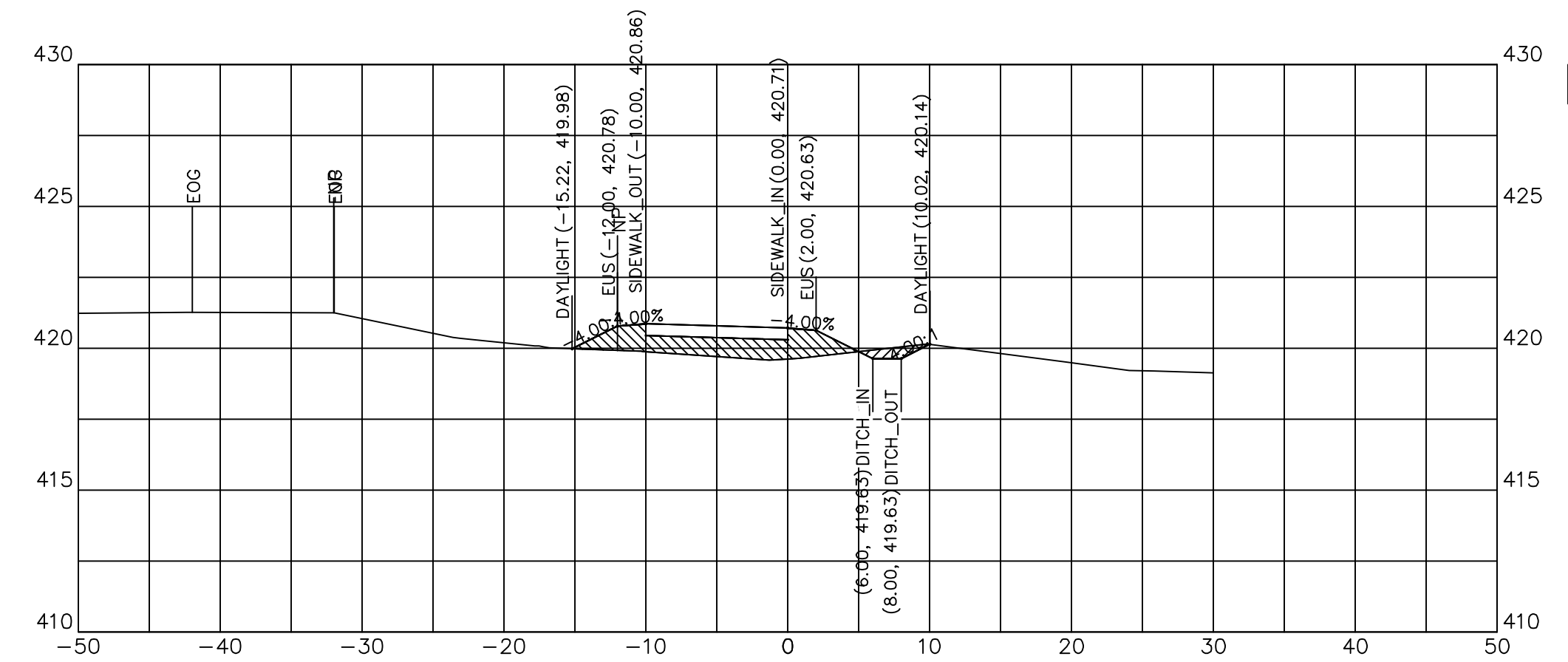
124+53.44

124+53.44	
CUT SQ FT	0.00
FILL SQ FT	19.56
CUT CU YD	0.00
FILL CU YD	2.39
CUM C CU YD	409.24
CUM F CU YD	360.00



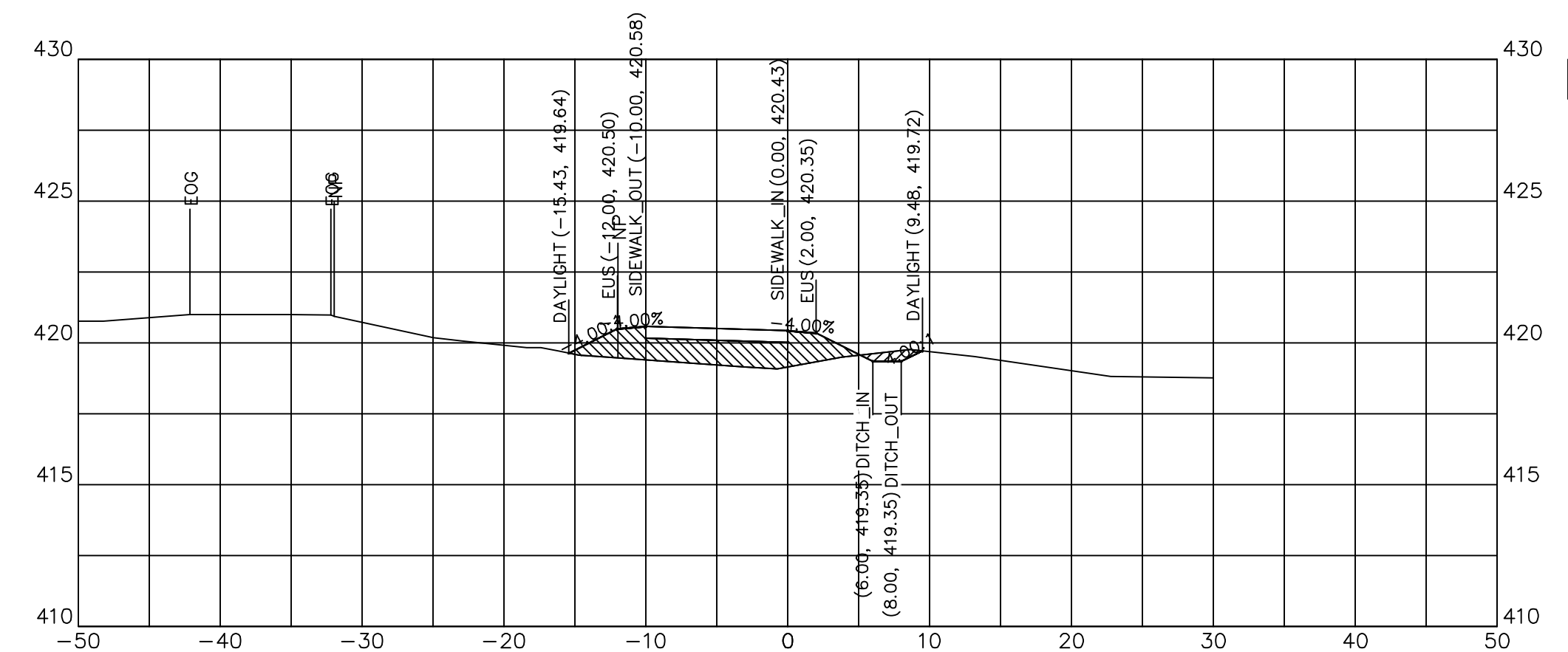
124+50.00

124+50.00	
CUT SQ FT	0.00
FILL SQ FT	17.94
CUT CU YD	0.00
FILL CU YD	2.48
CUM C CU YD	409.24
CUM F CU YD	357.61



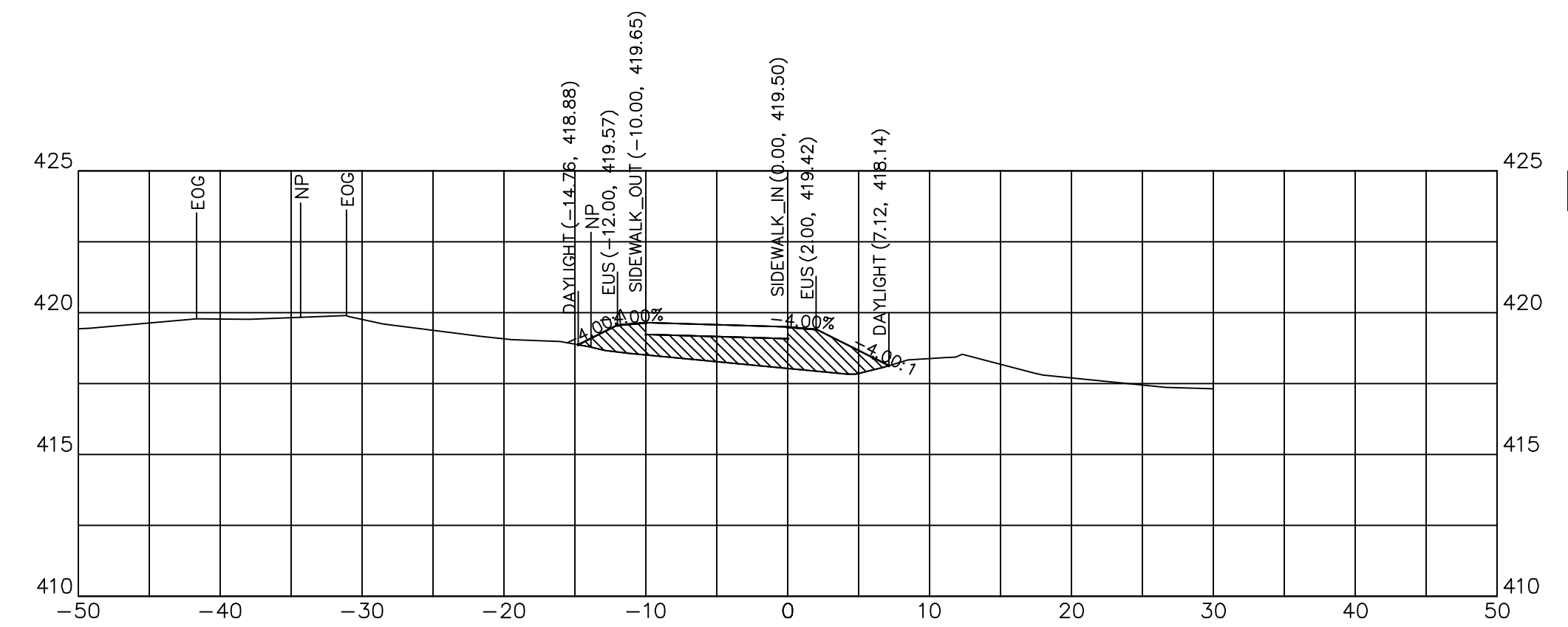
125+06.14

125+06.14	
CUT SQ FT	1.31
FILL SQ FT	13.24
CUT CU YD	0.28
FILL CU YD	3.31
CUM C CU YD	409.94
CUM F CU YD	396.22



125+00.00

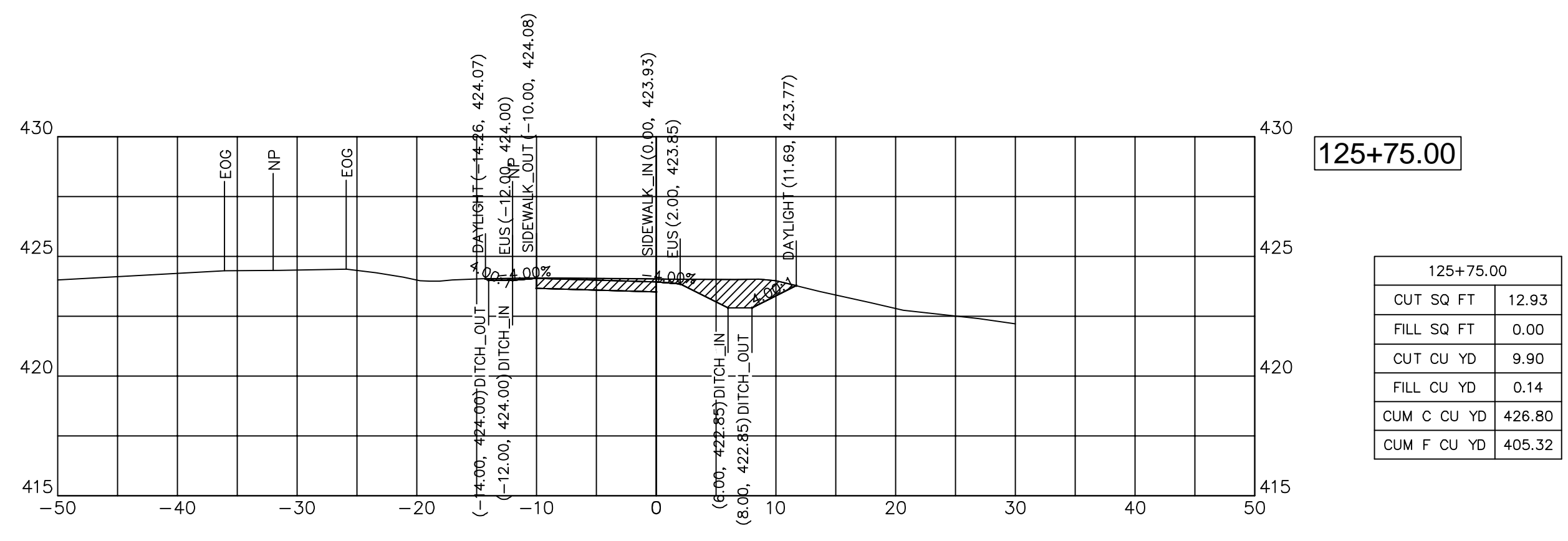
125+00.00	
CUT SQ FT	1.10
FILL SQ FT	16.36
CUT CU YD	0.42
FILL CU YD	13.22
CUM C CU YD	409.66
CUM F CU YD	392.91



124+79.79

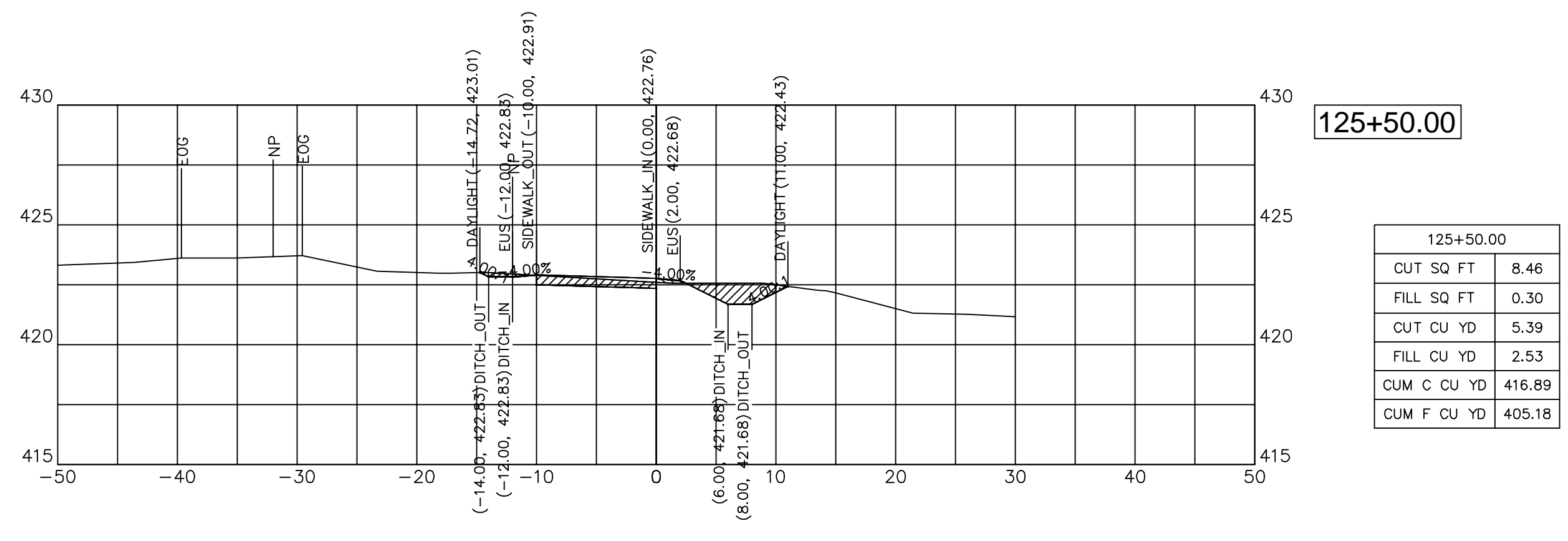
124+79.79	
CUT SQ FT	0.00
FILL SQ FT	19.47
CUT CU YD	0.00
FILL CU YD	3.59
CUM C CU YD	409.24
CUM F CU YD	379.69





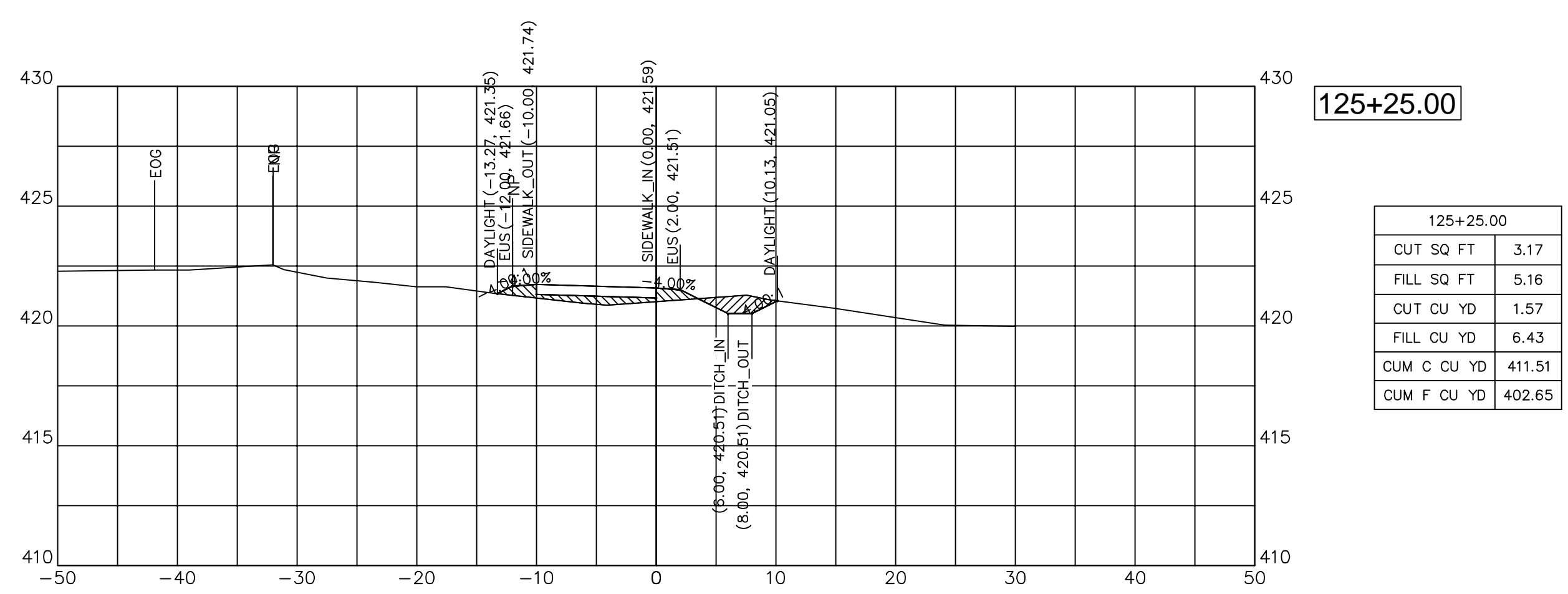
125+75.00

125+75.00	
CUT SQ FT	12.93
FILL SQ FT	0.00
CUT CU YD	9.90
FILL CU YD	0.14
CUM C CU YD	426.80
CUM F CU YD	405.32



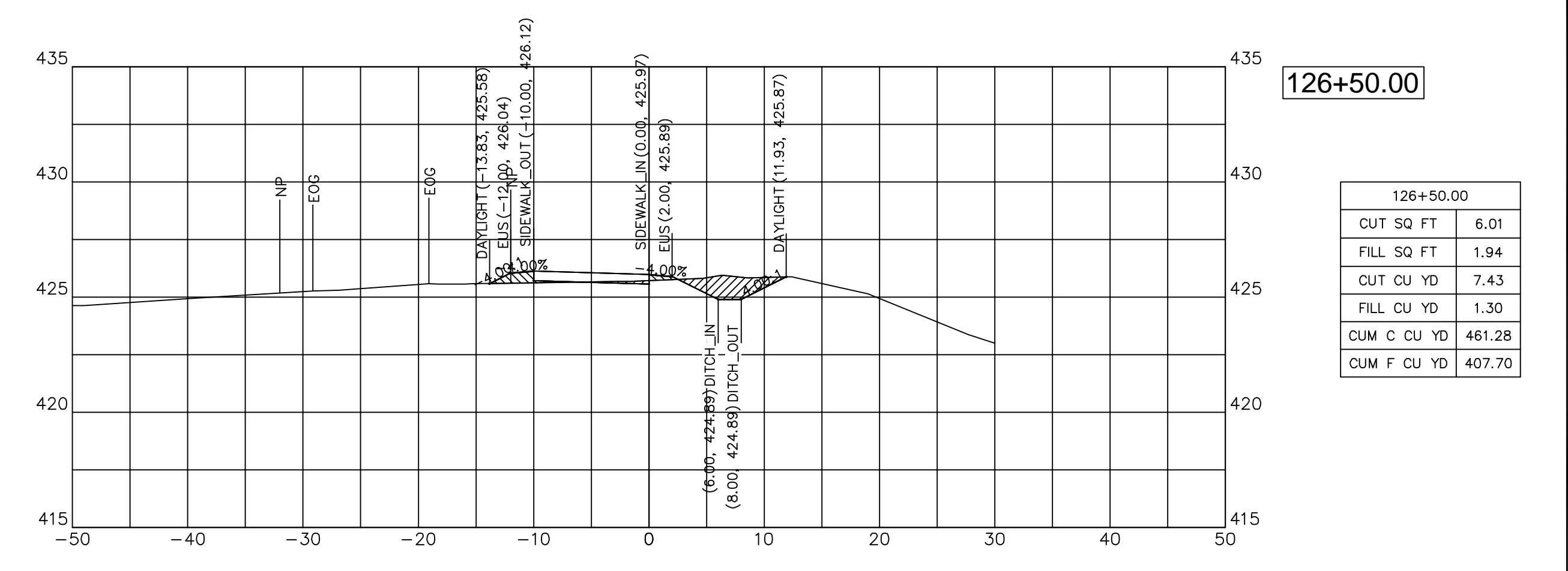
125+50.00

125+50.00	
CUT SQ FT	8.46
FILL SQ FT	0.30
CUT CU YD	5.39
FILL CU YD	2.53
CUM C CU YD	416.89
CUM F CU YD	405.18



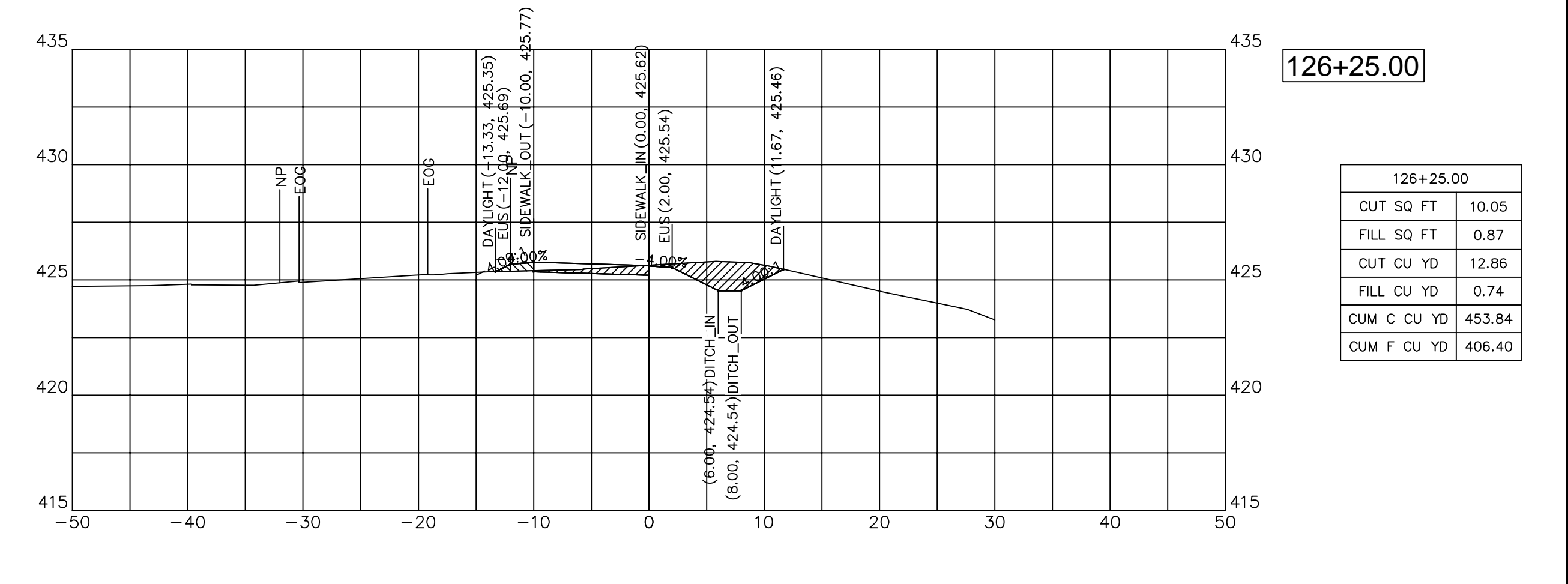
125+25.00

125+25.00	
CUT SQ FT	3.17
FILL SQ FT	5.16
CUT CU YD	1.57
FILL CU YD	6.43
CUM C CU YD	411.51
CUM F CU YD	402.65



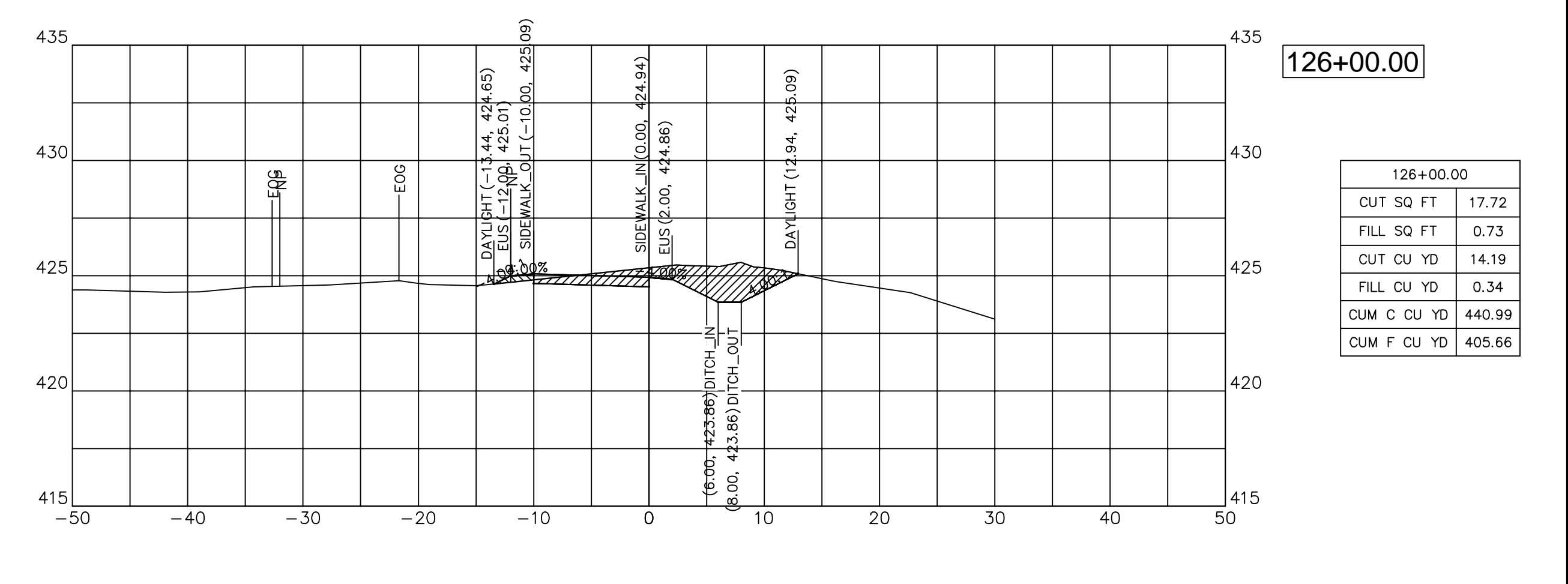
126+50.00

126+50.00	
CUT SQ FT	6.01
FILL SQ FT	1.94
CUT CU YD	7.43
FILL CU YD	1.30
CUM C CU YD	461.28
CUM F CU YD	407.70



126+25.00

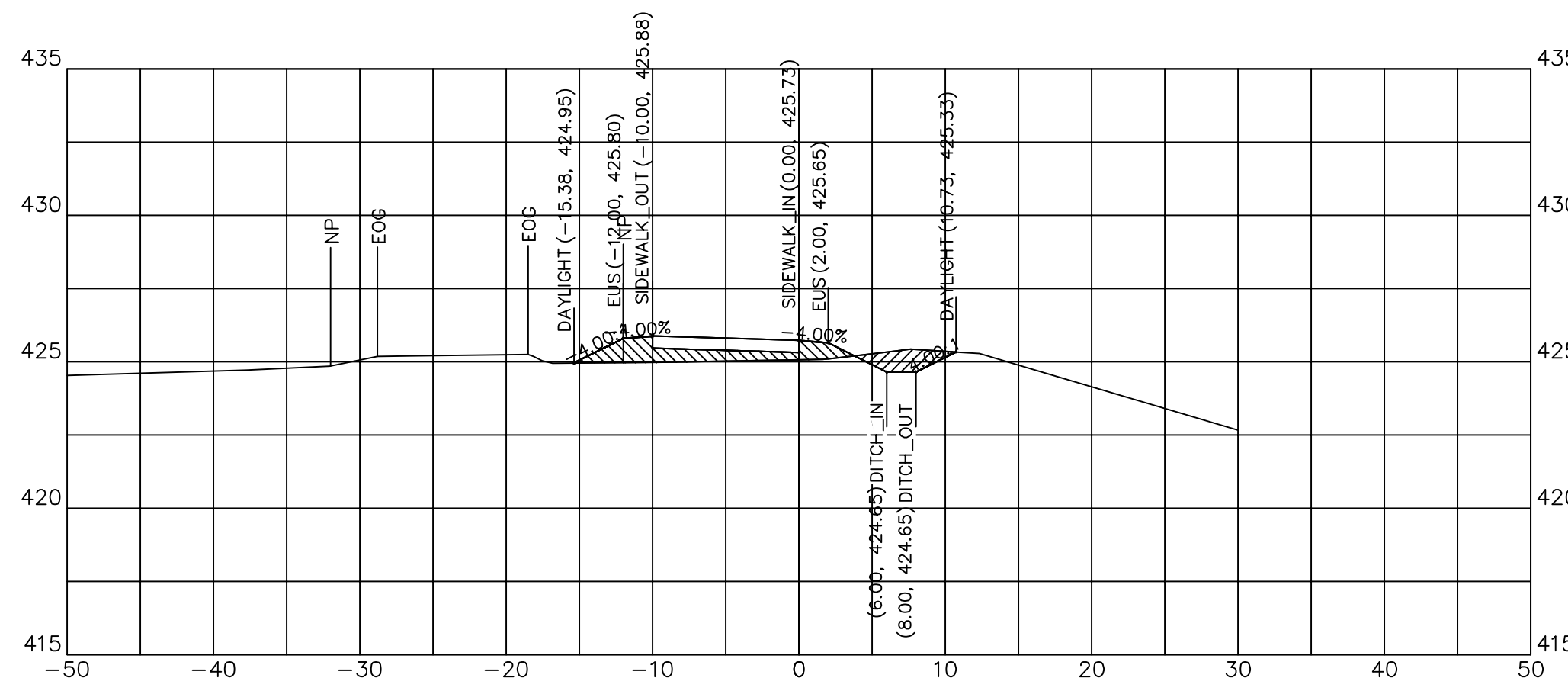
126+25.00	
CUT SQ FT	10.05
FILL SQ FT	0.87
CUT CU YD	12.86
FILL CU YD	0.74
CUM C CU YD	453.84
CUM F CU YD	406.40



126+00.00

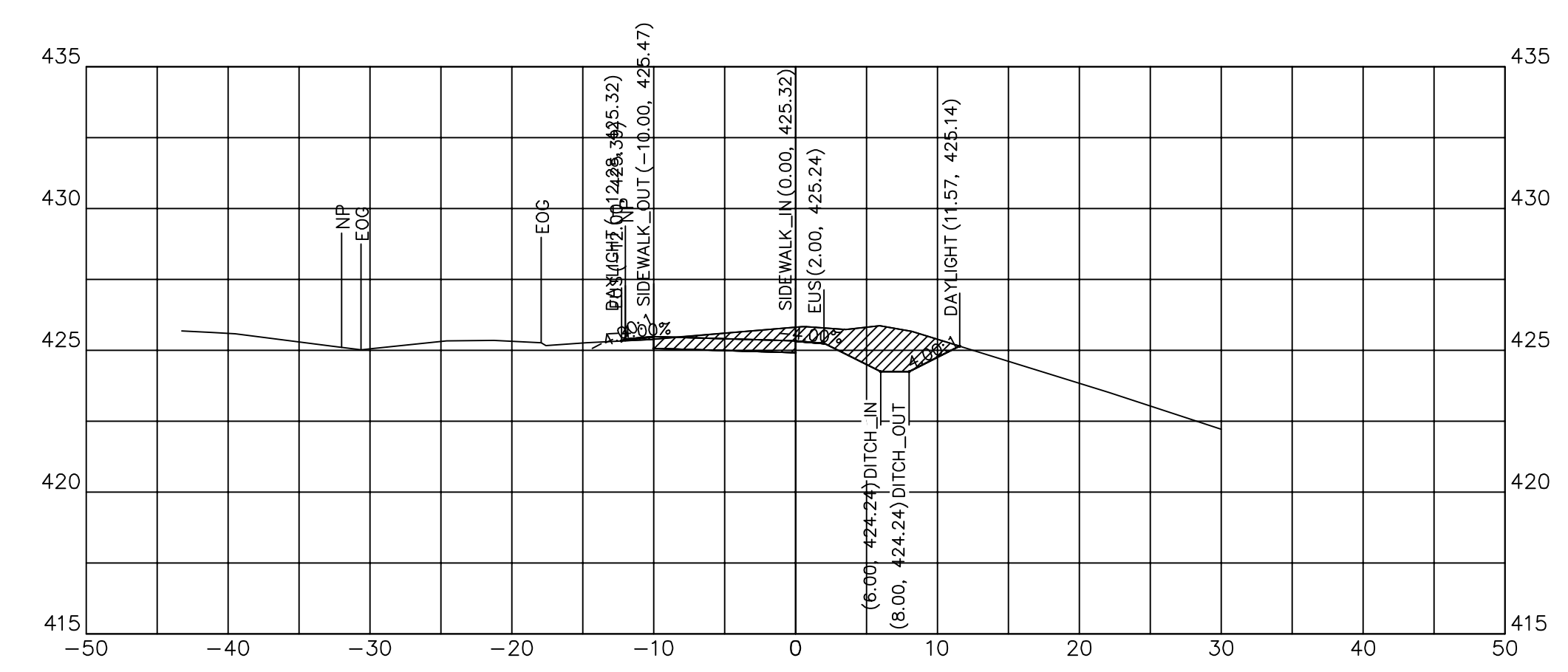
126+00.00	
CUT SQ FT	17.72
FILL SQ FT	0.73
CUT CU YD	14.19
FILL CU YD	0.34
CUM C CU YD	440.99
CUM F CU YD	405.66





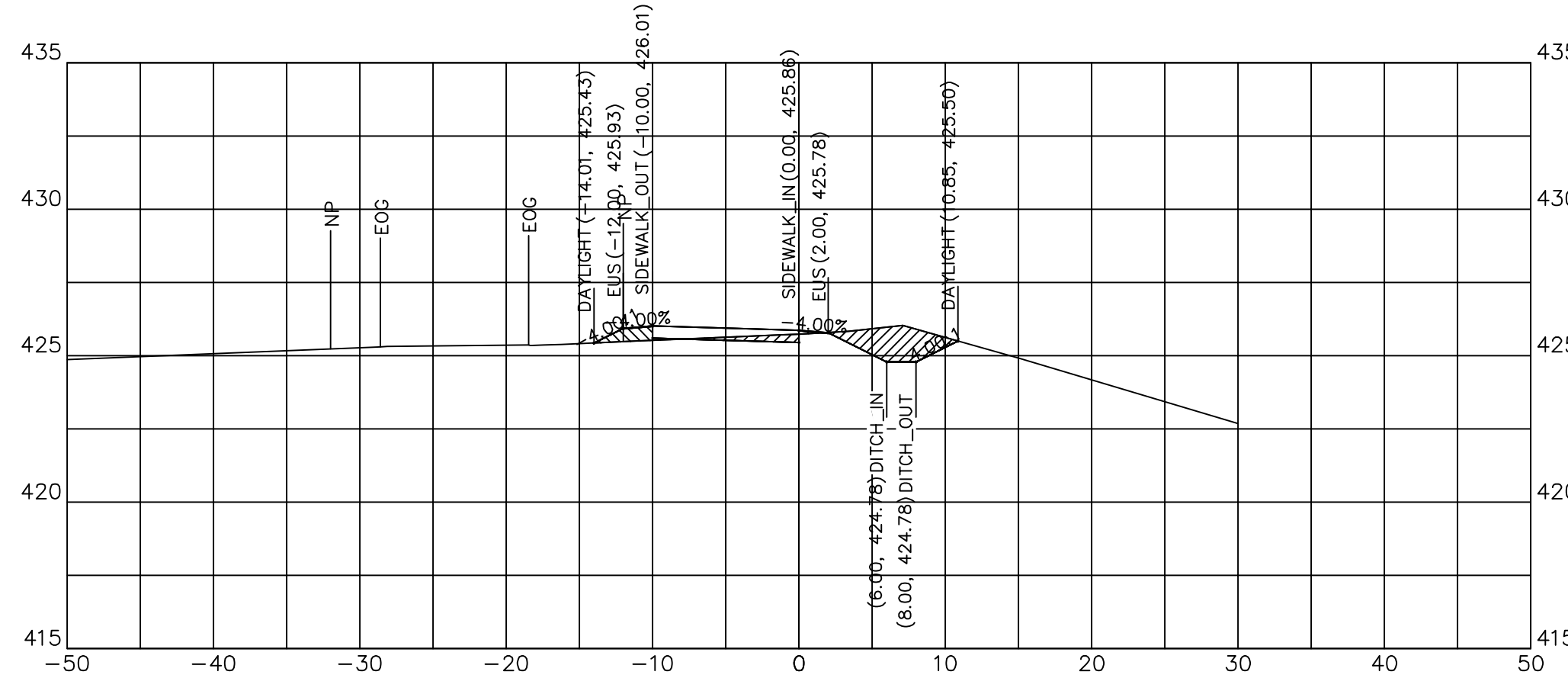
127+25.00

127+25.00	
CUT SQ FT	3.28
FILL SQ FT	8.63
CUT CU YD	4.97
FILL CU YD	4.72
CUM C CU YD	482.88
CUM F CU YD	414.99



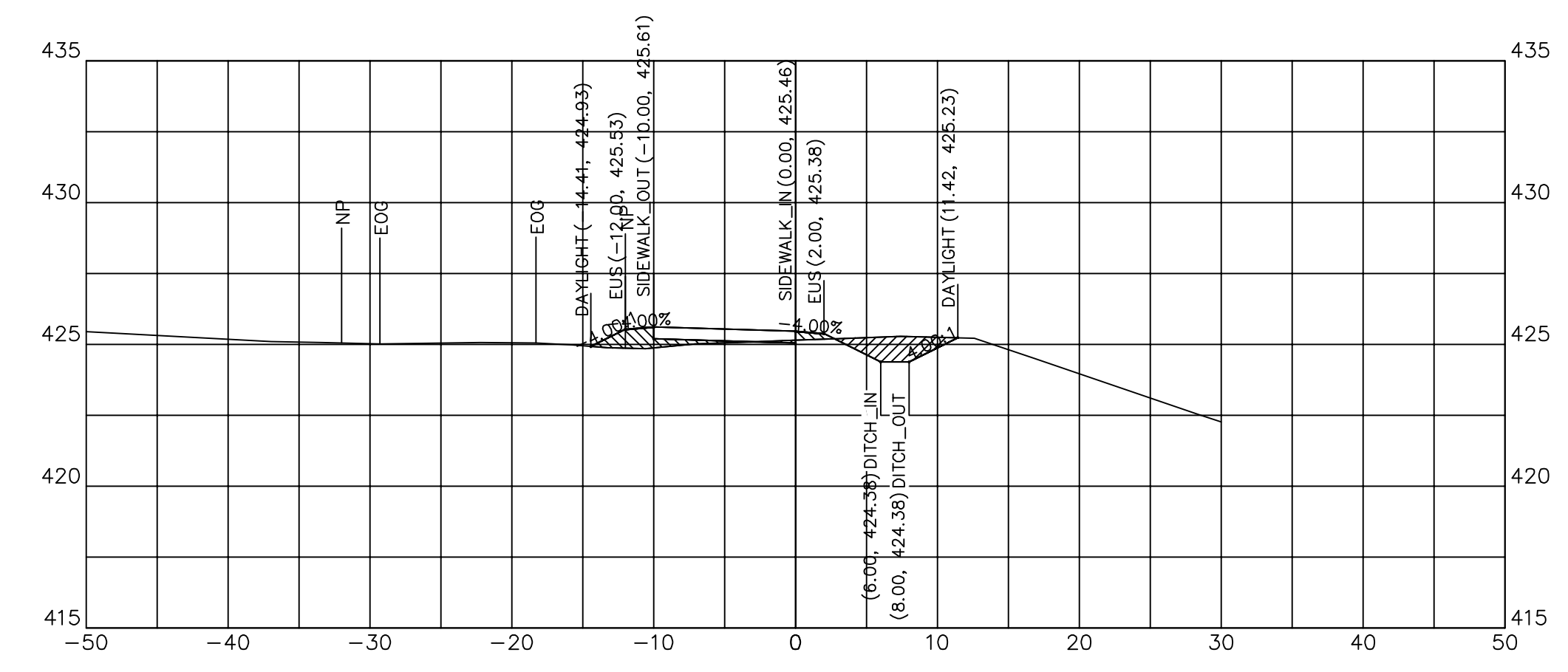
128+00.00

128+00.00	
CUT SQ FT	16.98
FILL SQ FT	0.14
CUT CU YD	10.15
FILL CU YD	1.78
CUM C CU YD	498.80
CUM F CU YD	430.48



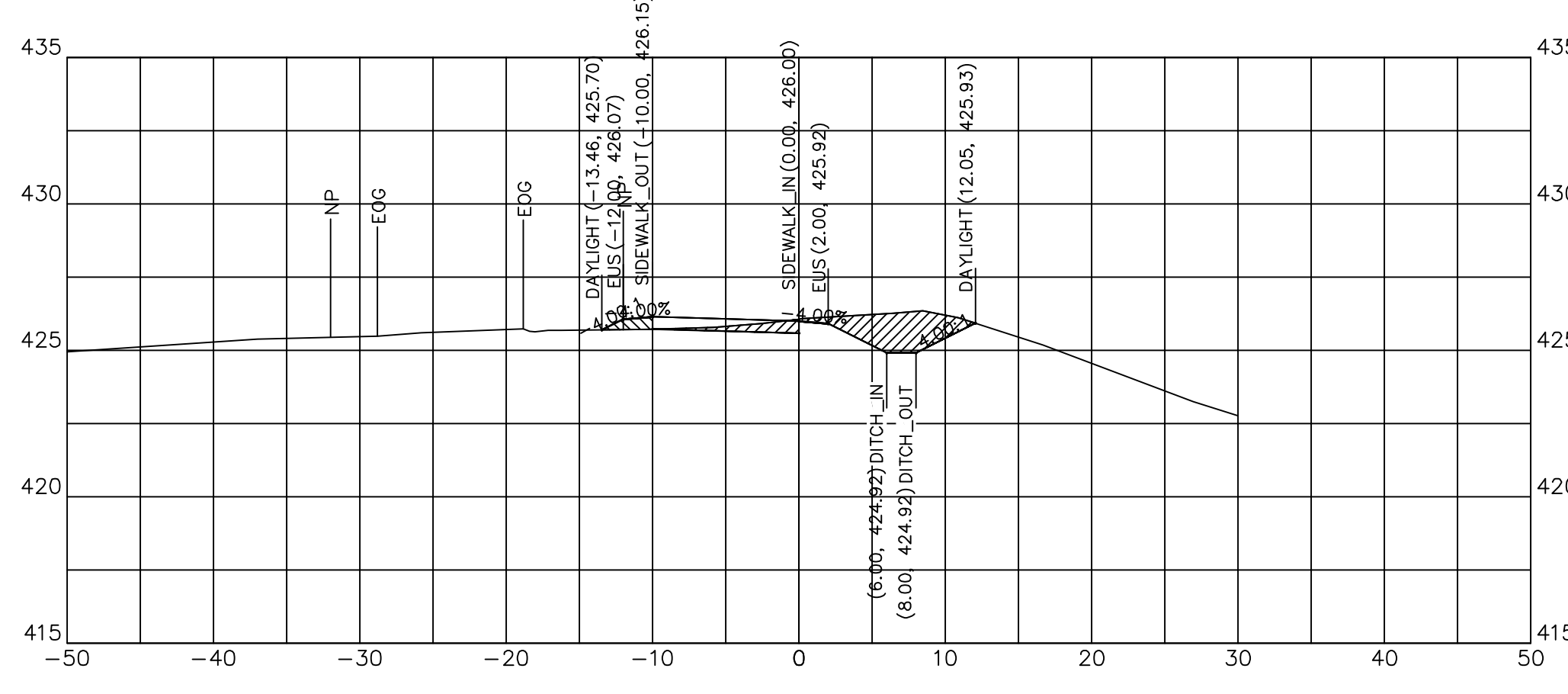
127+00.00

127+00.00	
CUT SQ FT	7.46
FILL SQ FT	1.57
CUT CU YD	8.65
FILL CU YD	1.20
CUM C CU YD	477.91
CUM F CU YD	410.27



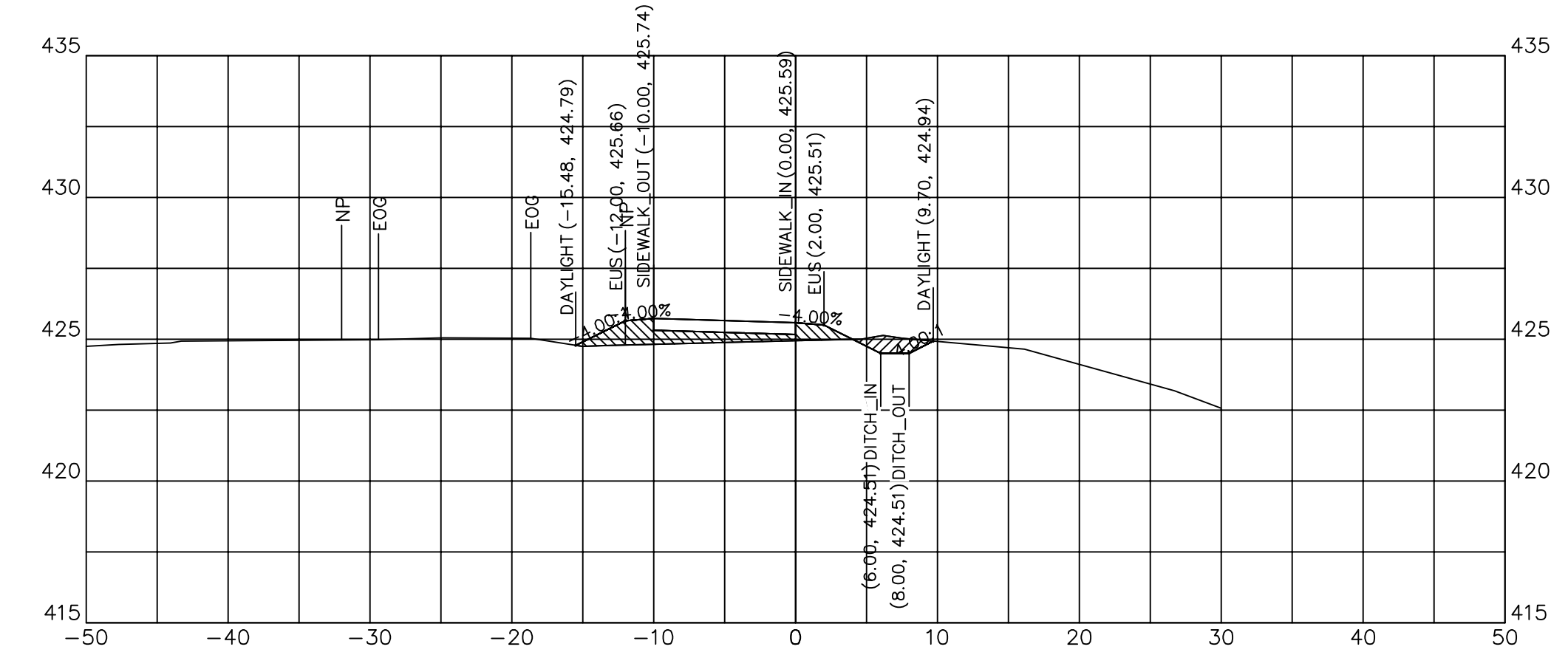
127+75.00

127+75.00	
CUT SQ FT	4.94
FILL SQ FT	3.70
CUT CU YD	3.27
FILL CU YD	5.72
CUM C CU YD	488.65
CUM F CU YD	428.70



126+75.00

126+75.00	
CUT SQ FT	11.23
FILL SQ FT	1.02
CUT CU YD	7.98
FILL CU YD	1.37
CUM C CU YD	469.26
CUM F CU YD	409.07



127+50.00

127+50.00	
CUT SQ FT	2.13
FILL SQ FT	8.65
CUT CU YD	2.50
FILL CU YD	8.00
CUM C CU YD	485.38
CUM F CU YD	422.98

JOHN H. CRAWFORD & ASSOCIATES, P.C.  
 CIVIL ENGINEERS, LAND SURVEYORS  
 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62918  
 PHONE (618) 985-6370 FAX (618) 985-4692  
 PROFESSIONAL DESIGN FIRM # 184-002865

DESIGNED — JHC  
 DRAWN — JHC  
 CHECKED — WDS  
 DATE — 03/27/20

REVISED —  
 REVISED —  
 REVISED —  
 REVISED 07/11/20

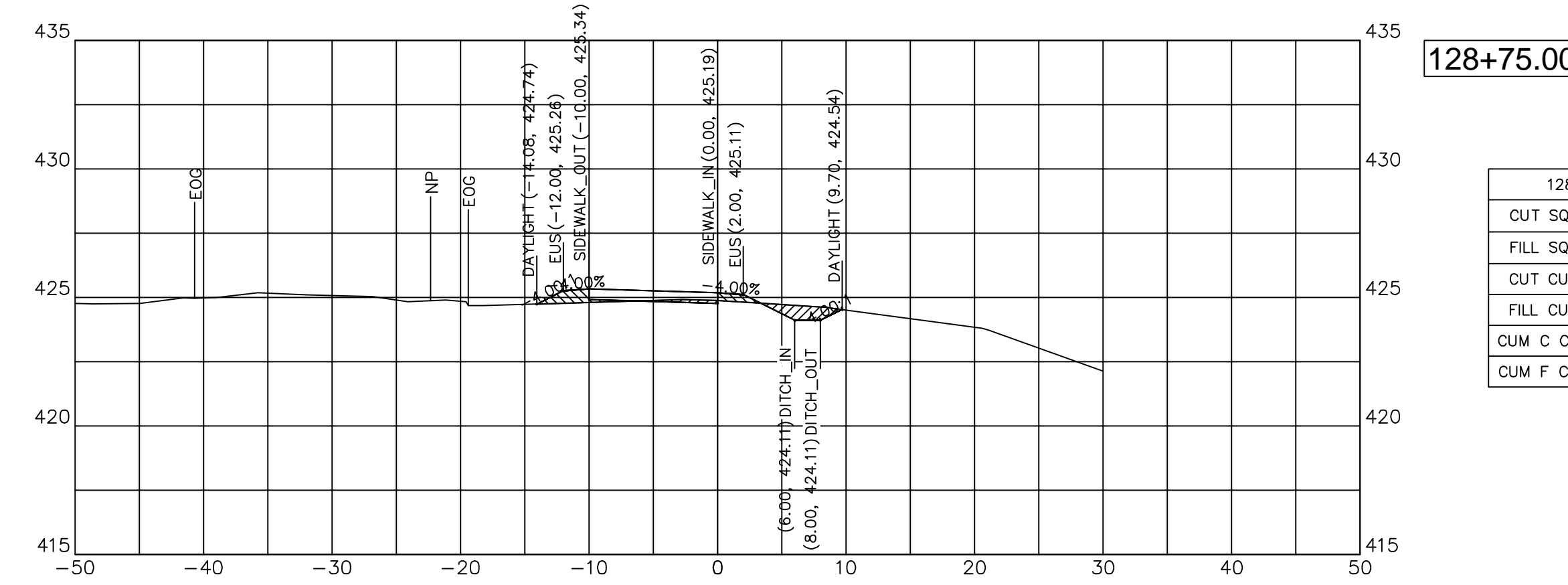
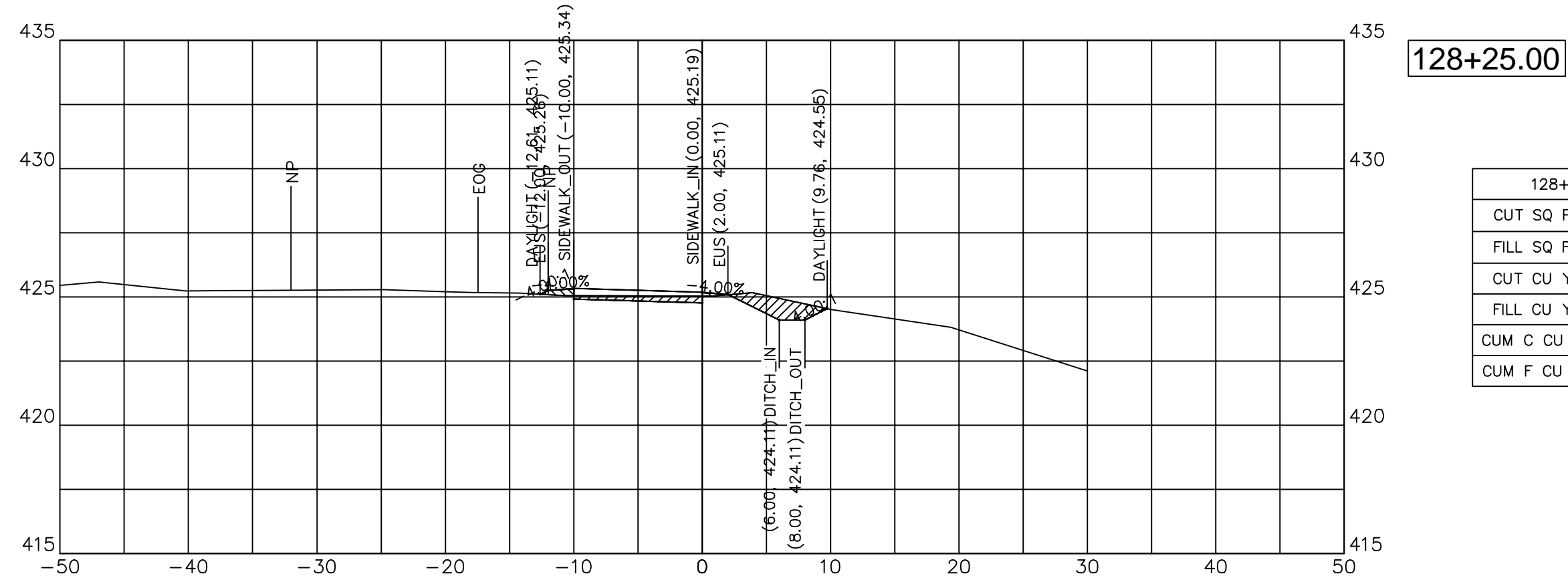
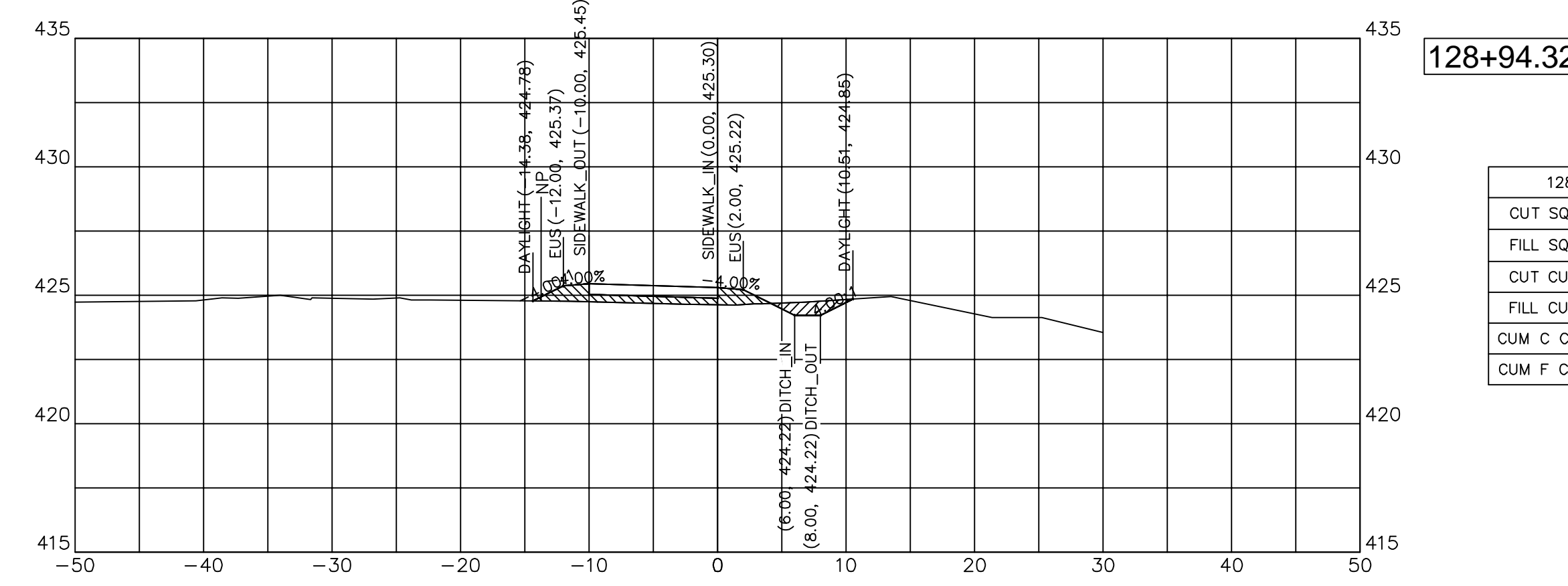
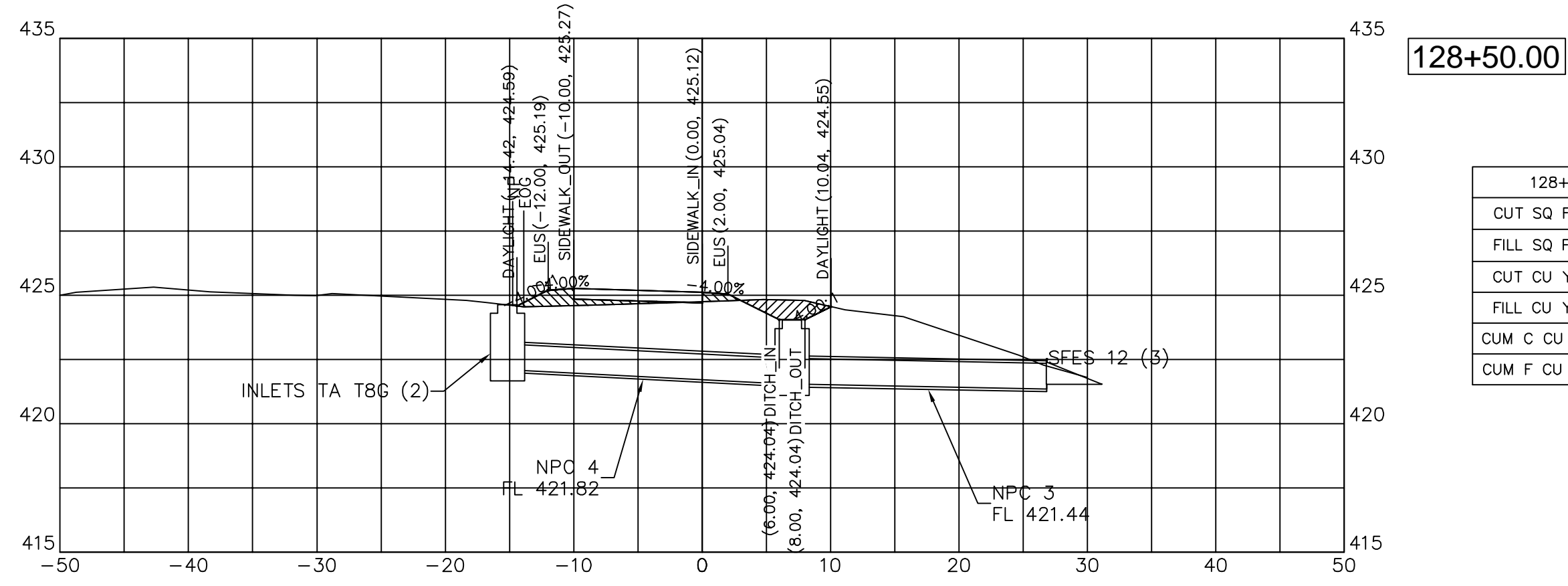
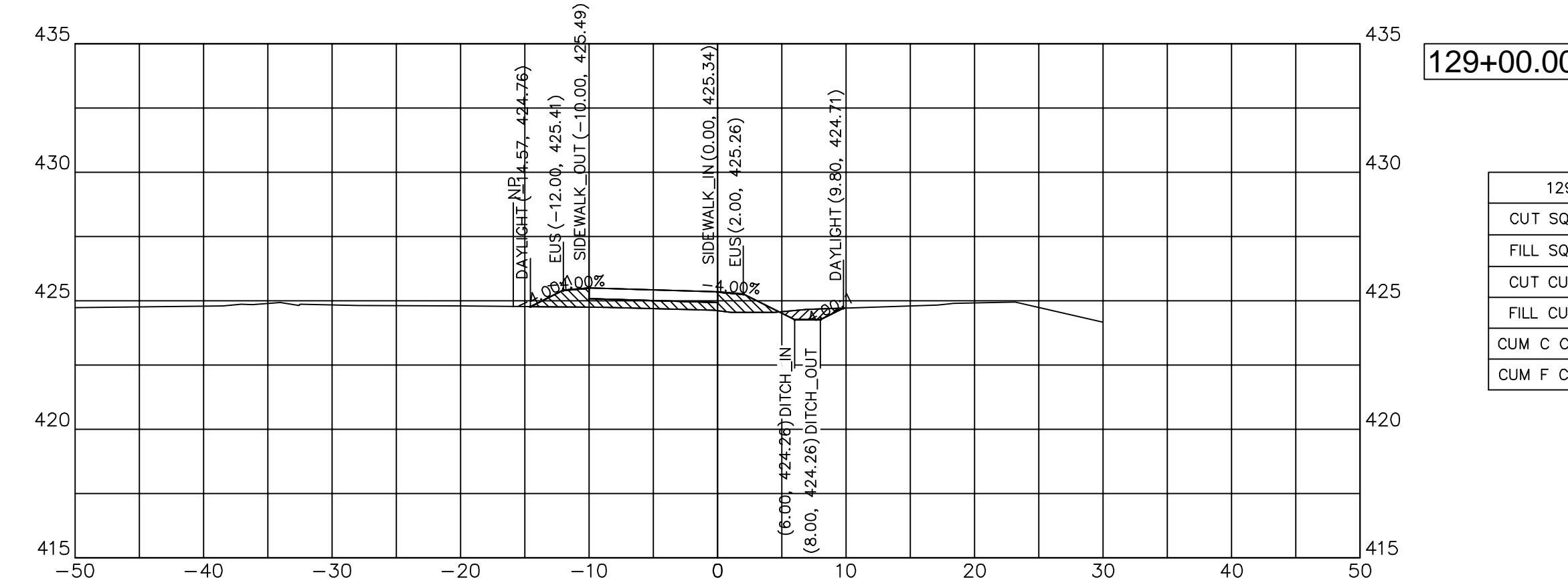
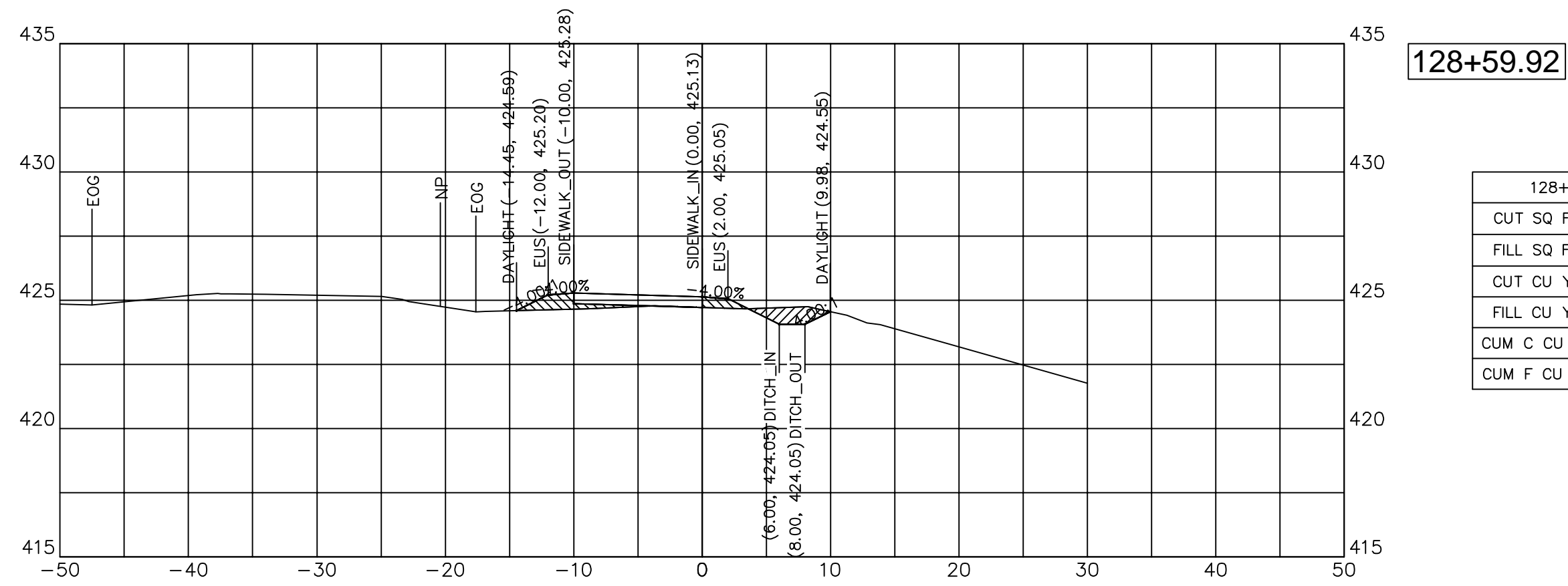
JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 17 OF 36 SHEETS STA. 126+25 TO STA. 127+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	65	46
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





JOHN H. CRAWFORD & ASSOCIATES, P.C.  
 CIVIL ENGINEERS, LAND SURVEYORS  
 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62918  
 PHONE (618) 985-6370 FAX (618) 985-4892  
 PROFESSIONAL DESIGN FIRM # 184-00285

DESIGNED — JHC  
 DRAWN — JHC  
 CHECKED — WDS  
 DATE — 03/27/20

REVISED —  
 REVISED —  
 REVISED —  
 REVISED — 07/11/20

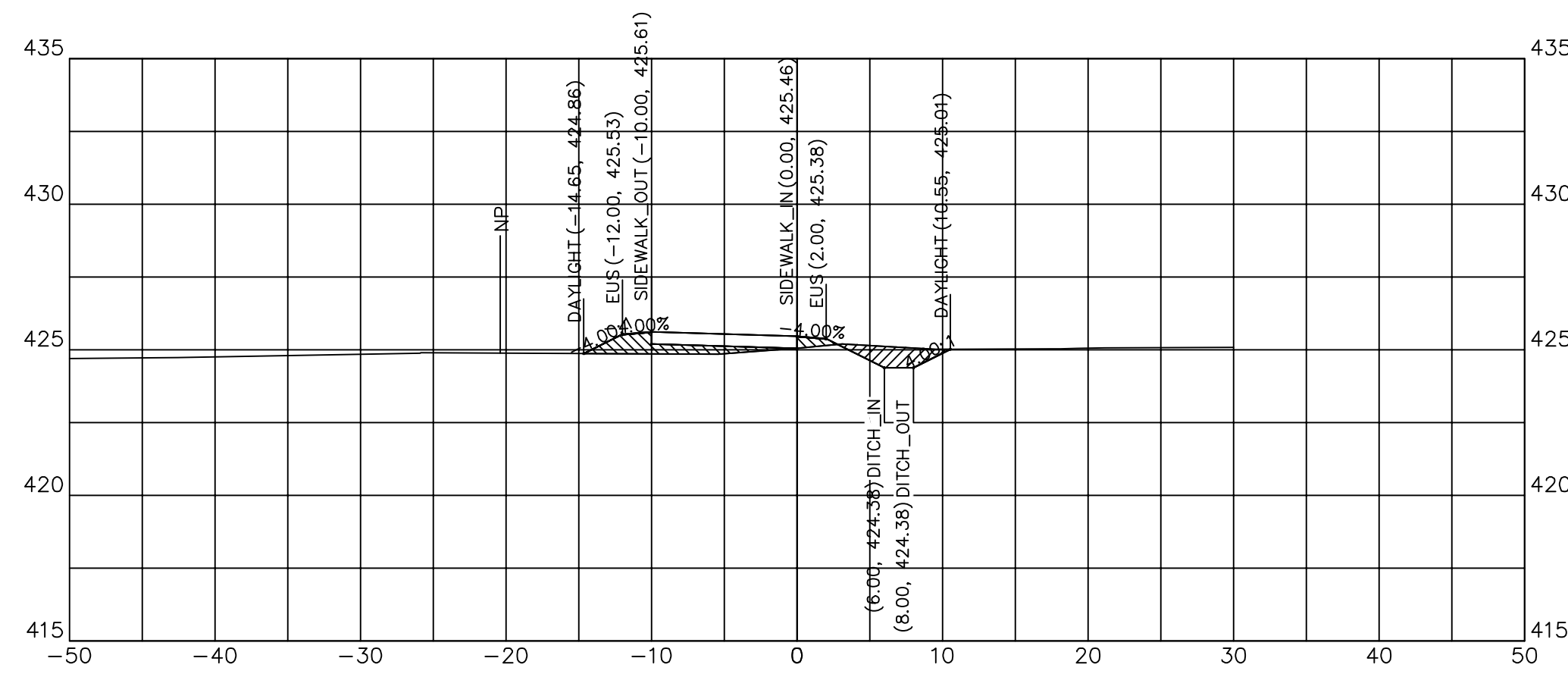
JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 18 OF 36 SHEETS STA. 127+75 TO STA. 128+75

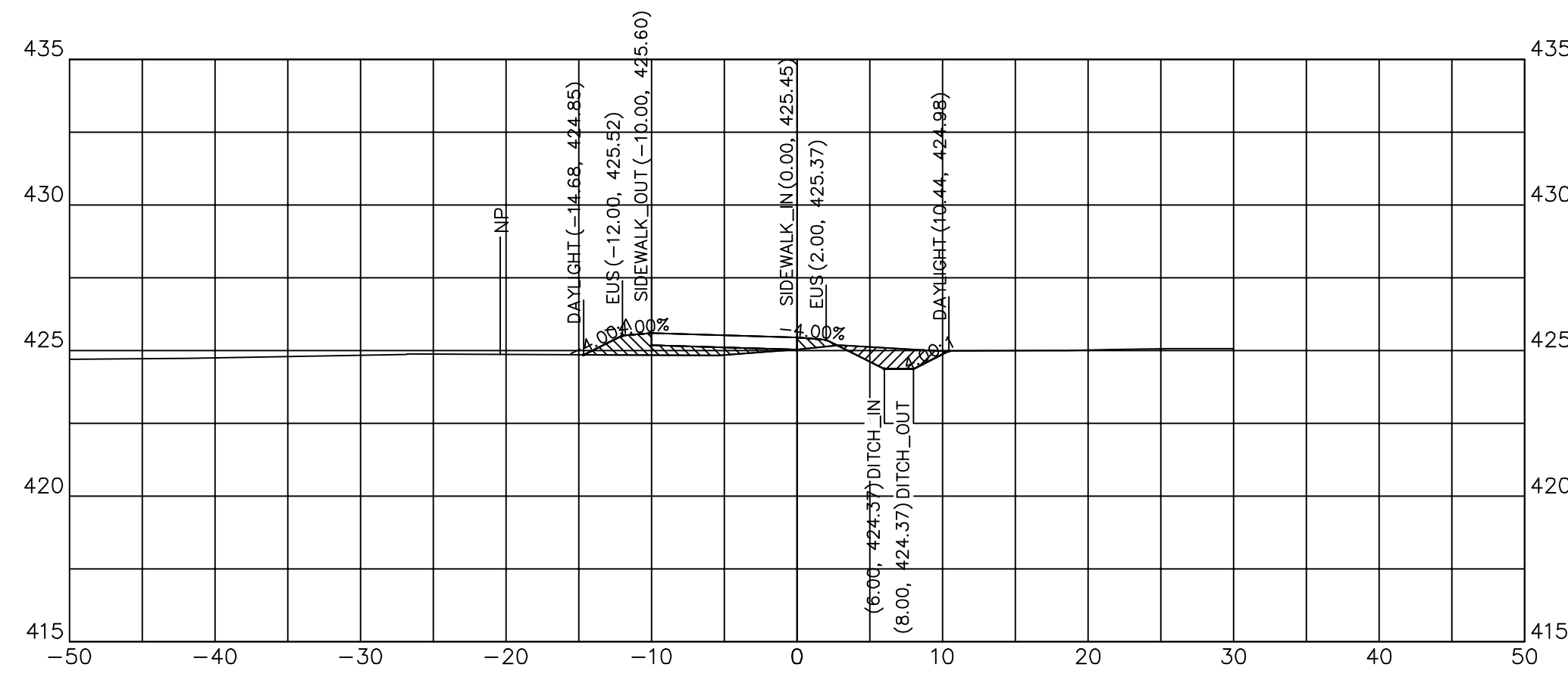
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	47
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





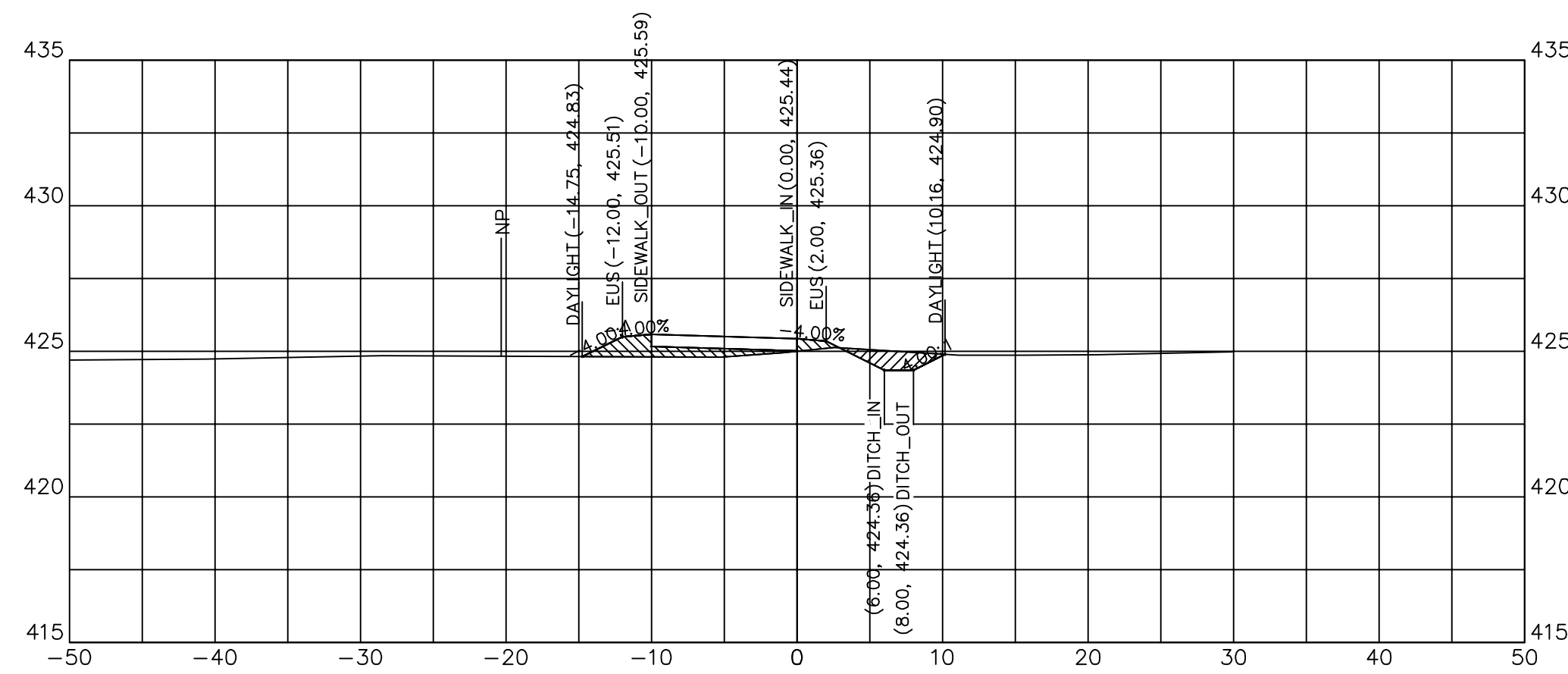
129+29.87

129+29.87	
CUT SQ FT	3.49
FILL SQ FT	5.09
CUT CU YD	0.15
FILL CU YD	0.22
CUM C CU YD	521.87
CUM F CU YD	446.91



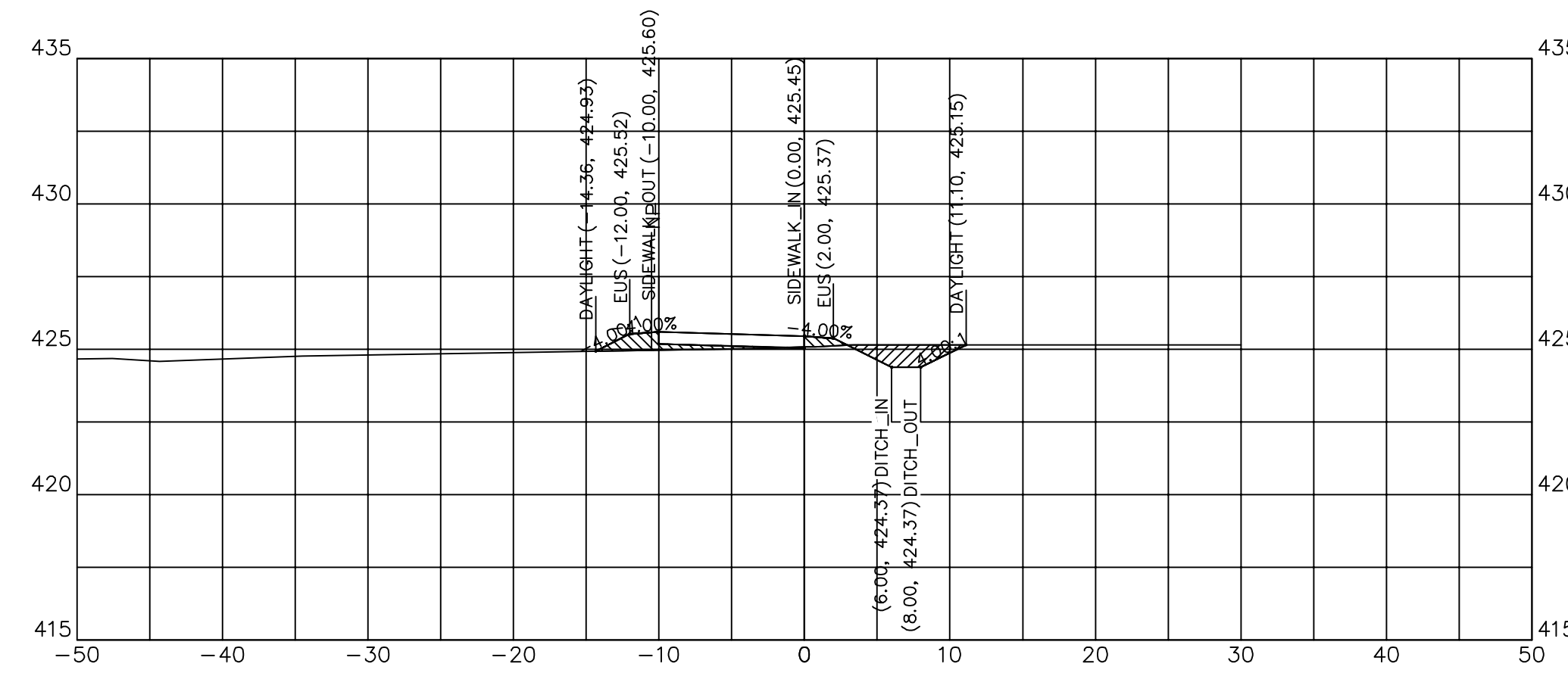
129+28.73

129+28.73	
CUT SQ FT	3.36
FILL SQ FT	5.22
CUT CU YD	0.48
FILL CU YD	0.67
CUM C CU YD	521.72
CUM F CU YD	446.69



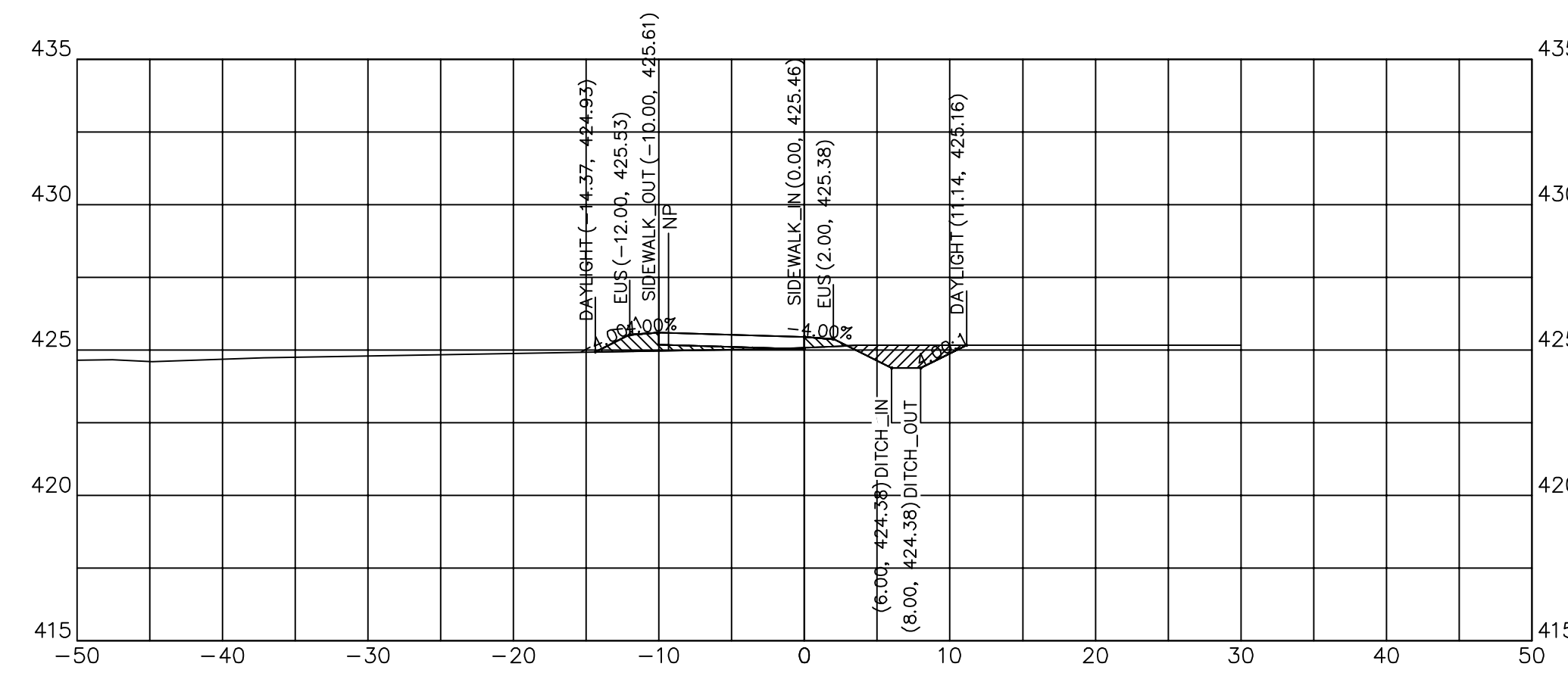
129+25.00

129+25.00	
CUT SQ FT	2.96
FILL SQ FT	5.62
CUT CU YD	2.21
FILL CU YD	5.66
CUM C CU YD	521.25
CUM F CU YD	446.02



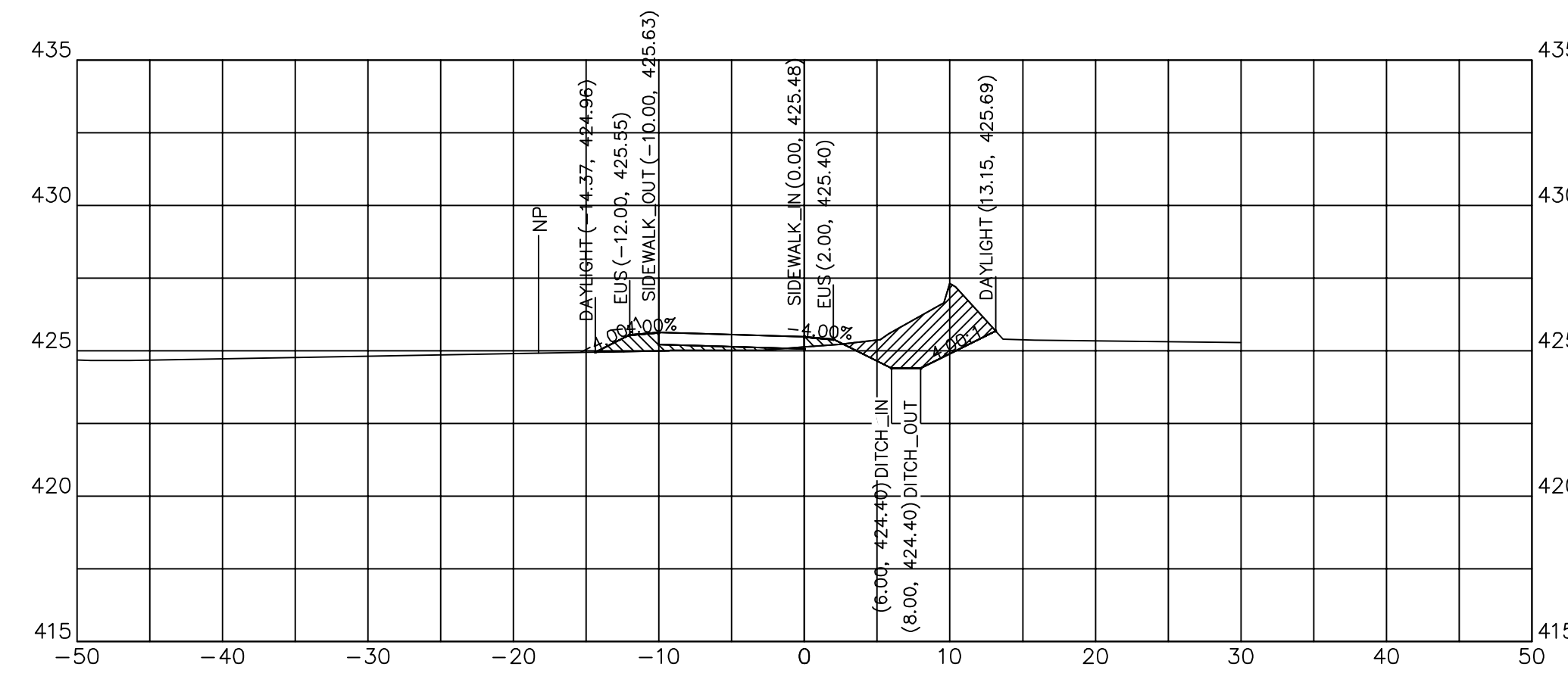
129+75.00

129+75.00	
CUT SQ FT	3.98
FILL SQ FT	3.58
CUT CU YD	0.35
FILL CU YD	0.26
CUM C CU YD	536.85
CUM F CU YD	452.67



129+72.83

129+72.83	
CUT SQ FT	4.05
FILL SQ FT	3.59
CUT CU YD	7.90
FILL CU YD	2.66
CUM C CU YD	536.50
CUM F CU YD	452.41



129+50.00

129+50.00	
CUT SQ FT	12.68
FILL SQ FT	3.50
CUT CU YD	6.73
FILL CU YD	2.84
CUM C CU YD	528.60
CUM F CU YD	449.75



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JOHN A LOGAN COLLEGE  
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 STATE OF ILLINOIS  
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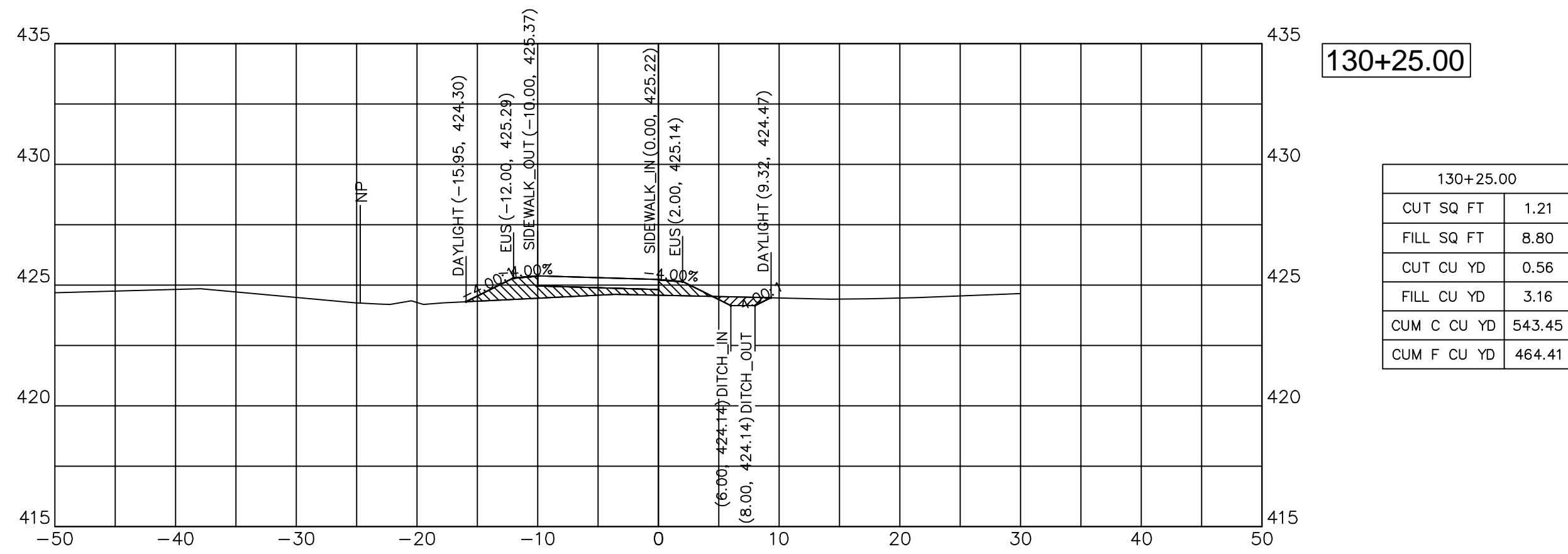
CROSS SECTIONS  
 MULTI-USE PATH

SCALE: HOR:1=10  
 VERT:1=5

SHEET 19 OF 36 SHEETS  
 STA. 128+95.66 TO STA. 129+50

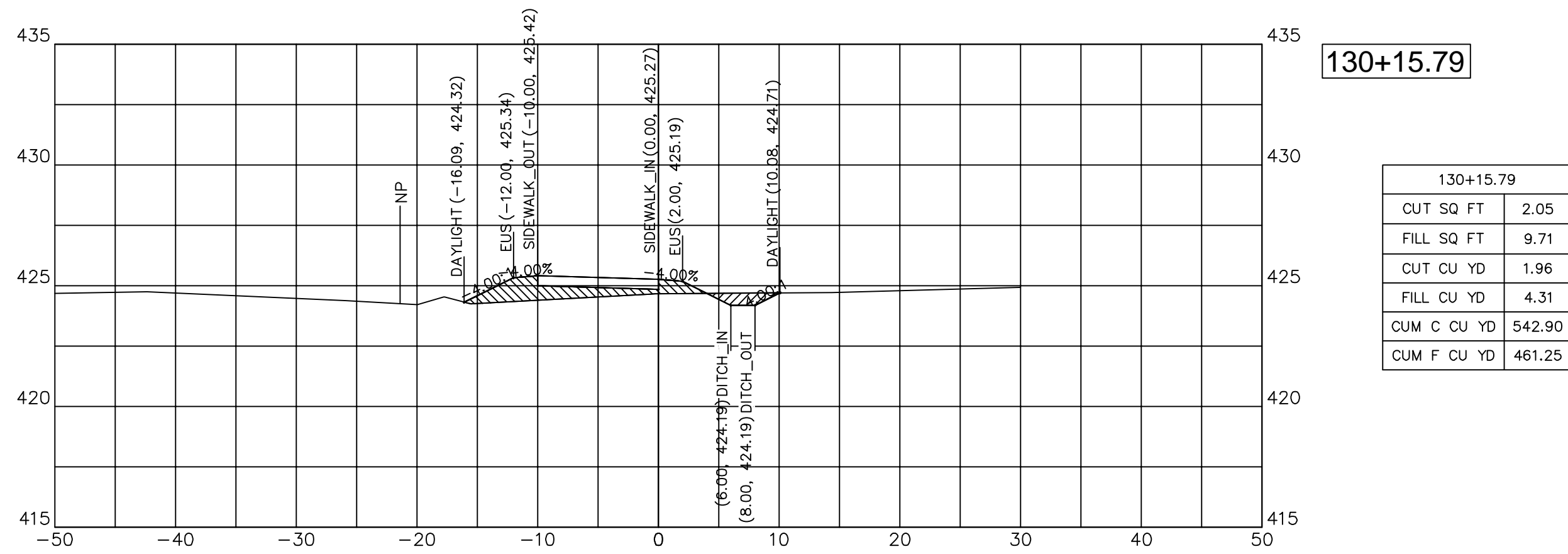
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	48
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





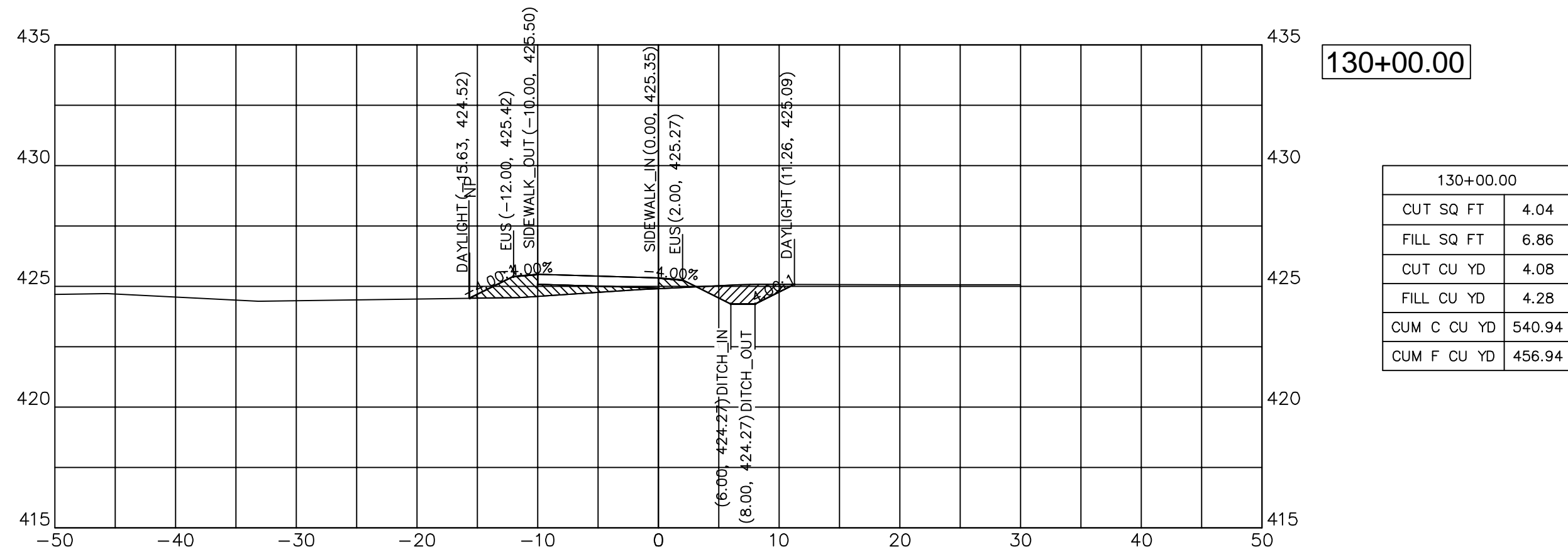
130+25.00

130+25.00	
CUT SQ FT	1.21
FILL SQ FT	8.80
CUT CU YD	0.56
FILL CU YD	3.16
CUM C CU YD	543.45
CUM F CU YD	464.41



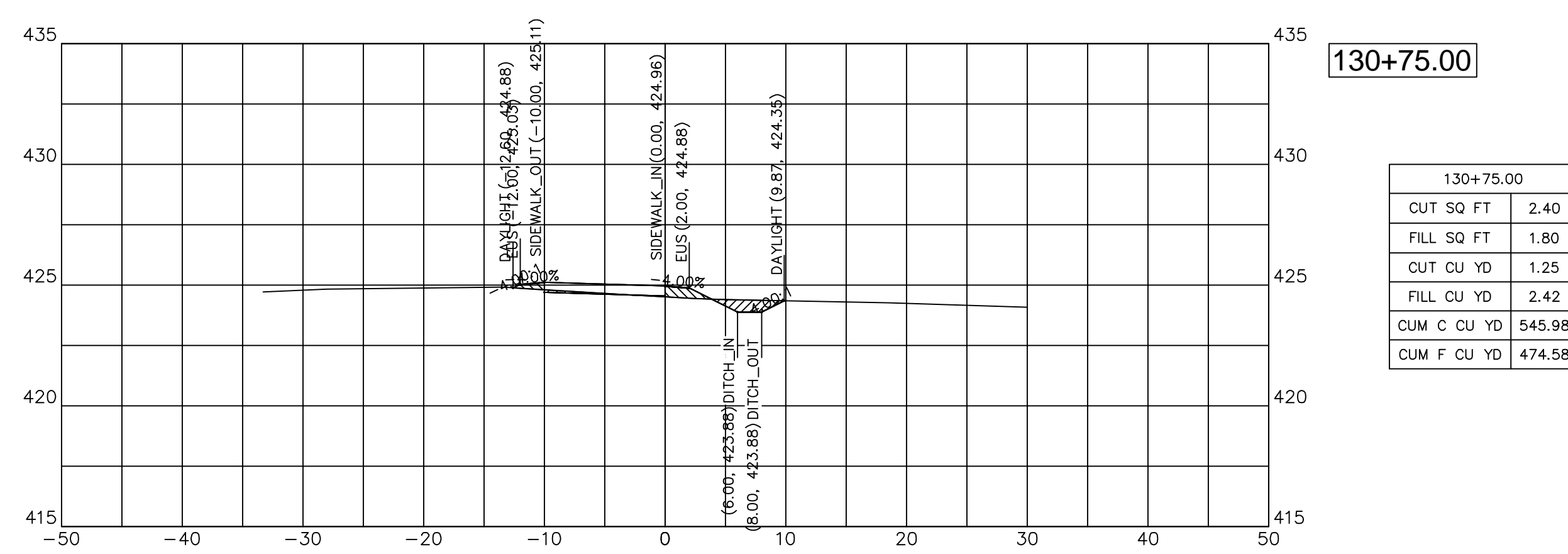
130+15.79

130+15.79	
CUT SQ FT	2.05
FILL SQ FT	9.71
CUT CU YD	1.96
FILL CU YD	4.31
CUM C CU YD	542.90
CUM F CU YD	461.25



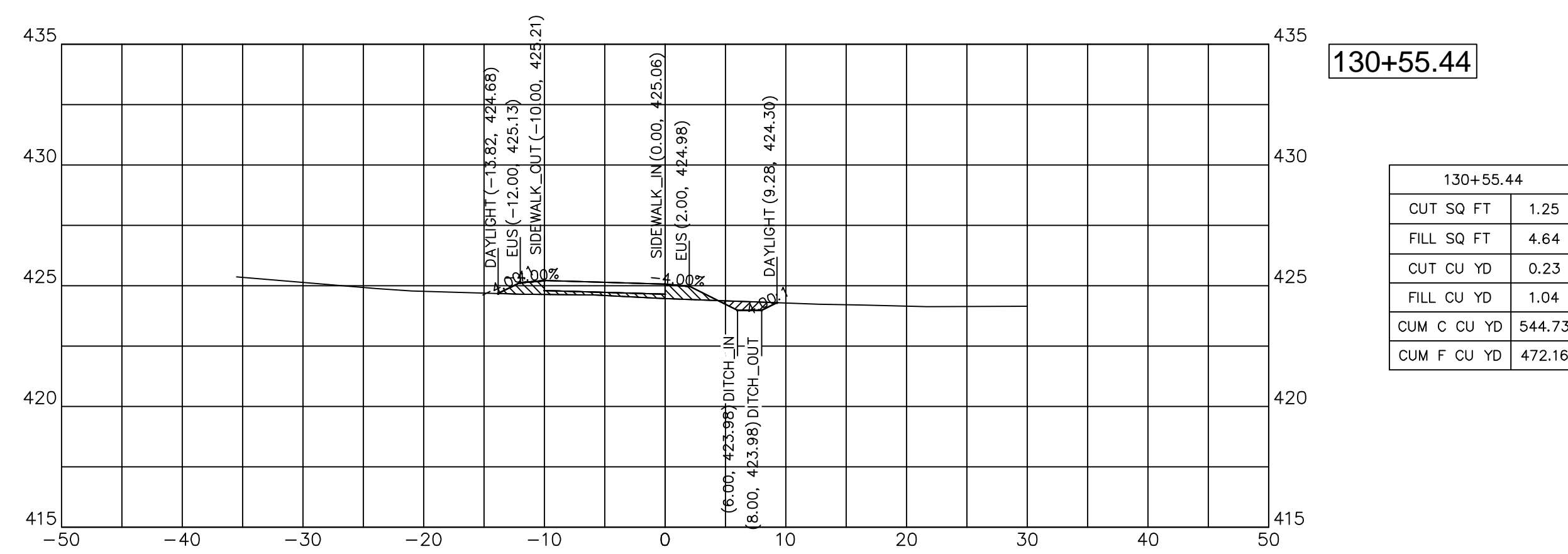
130+00.00

130+00.00	
CUT SQ FT	4.04
FILL SQ FT	6.86
CUT CU YD	4.08
FILL CU YD	4.28
CUM C CU YD	540.94
CUM F CU YD	456.94



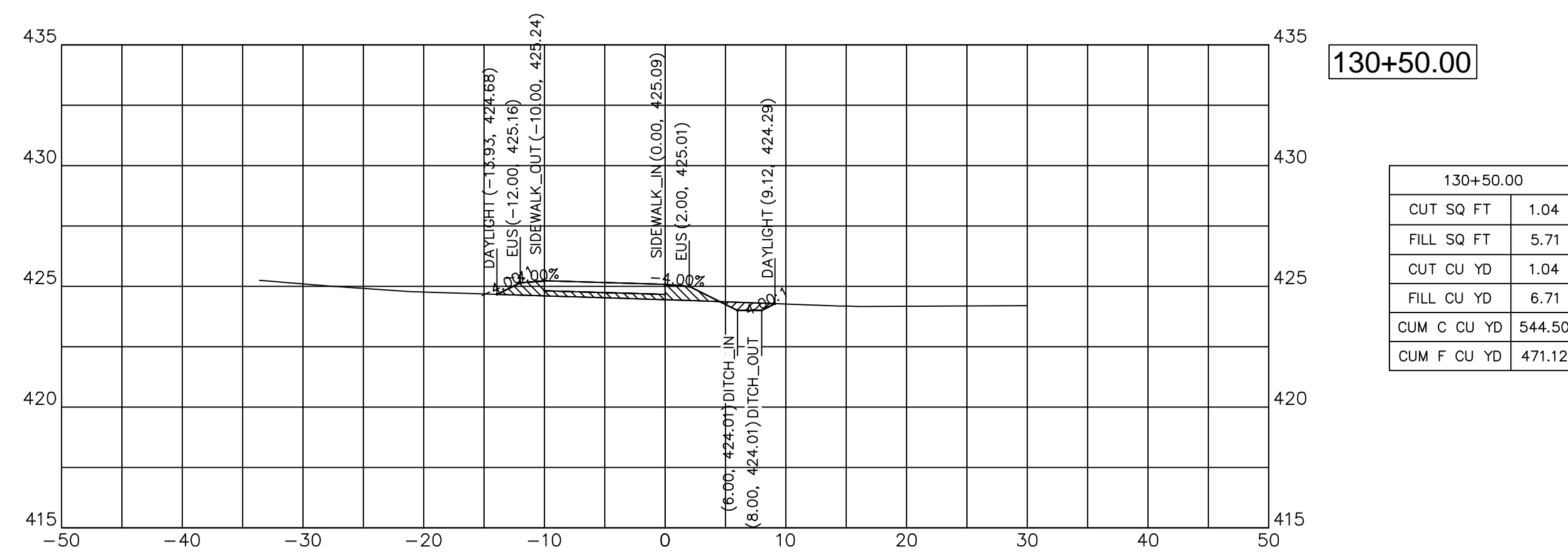
130+75.00

130+75.00	
CUT SQ FT	2.40
FILL SQ FT	1.80
CUT CU YD	1.25
FILL CU YD	2.42
CUM C CU YD	545.98
CUM F CU YD	474.58



130+55.44

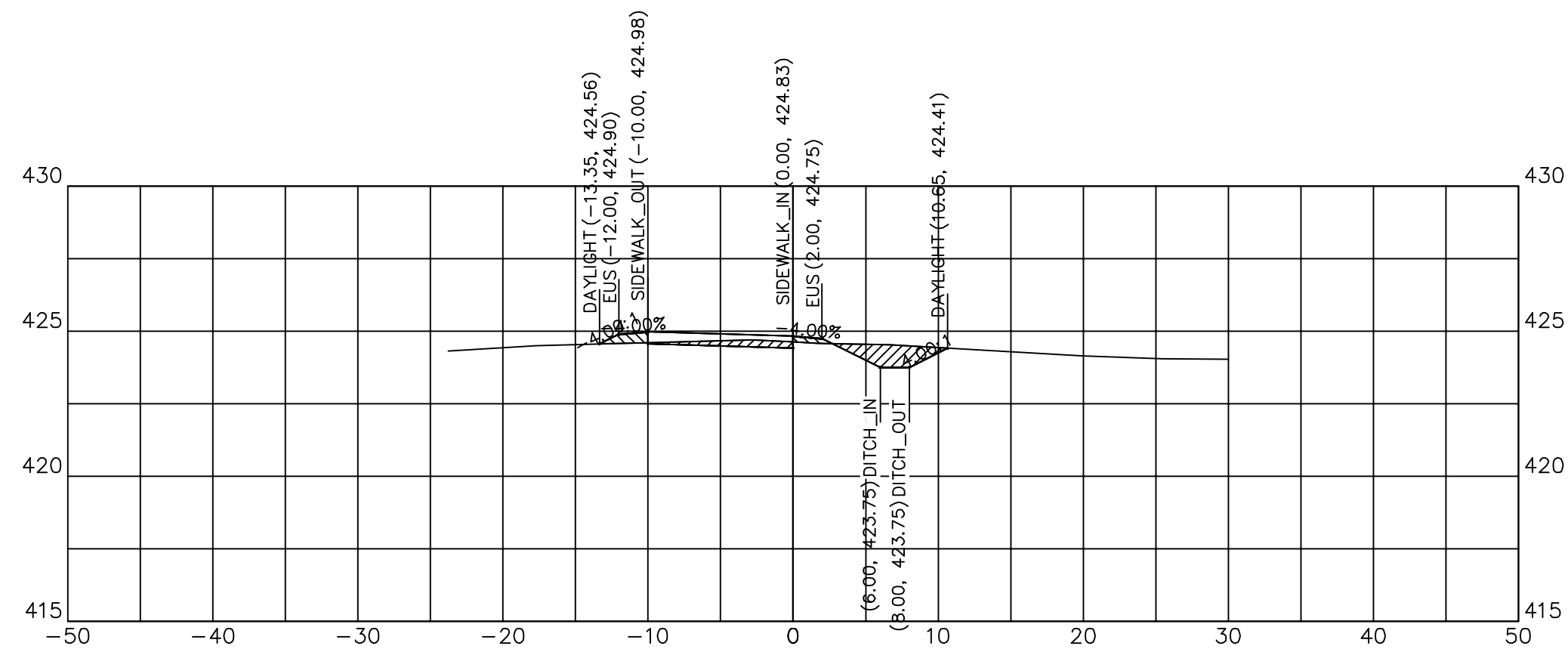
130+55.44	
CUT SQ FT	1.25
FILL SQ FT	4.64
CUT CU YD	0.23
FILL CU YD	1.04
CUM C CU YD	544.73
CUM F CU YD	472.16



130+50.00

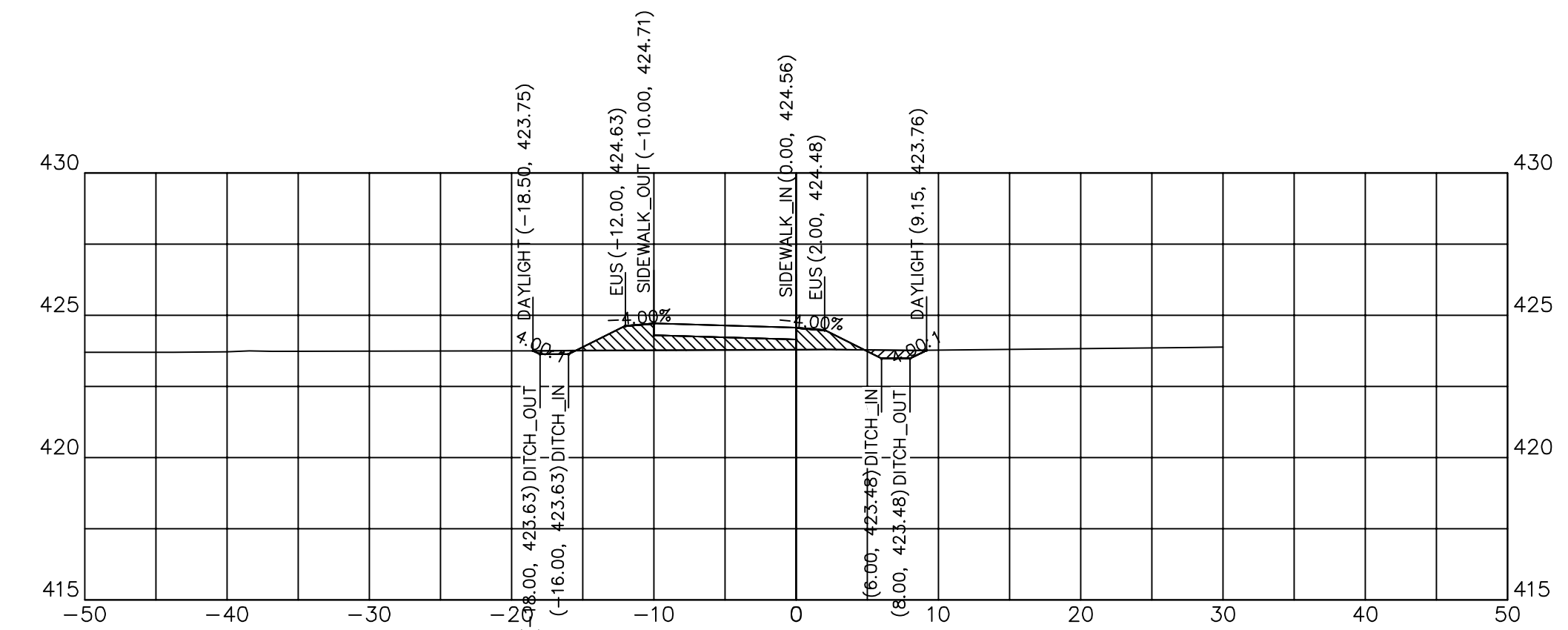
130+50.00	
CUT SQ FT	1.04
FILL SQ FT	5.71
CUT CU YD	1.04
FILL CU YD	6.71
CUM C CU YD	544.50
CUM F CU YD	471.12





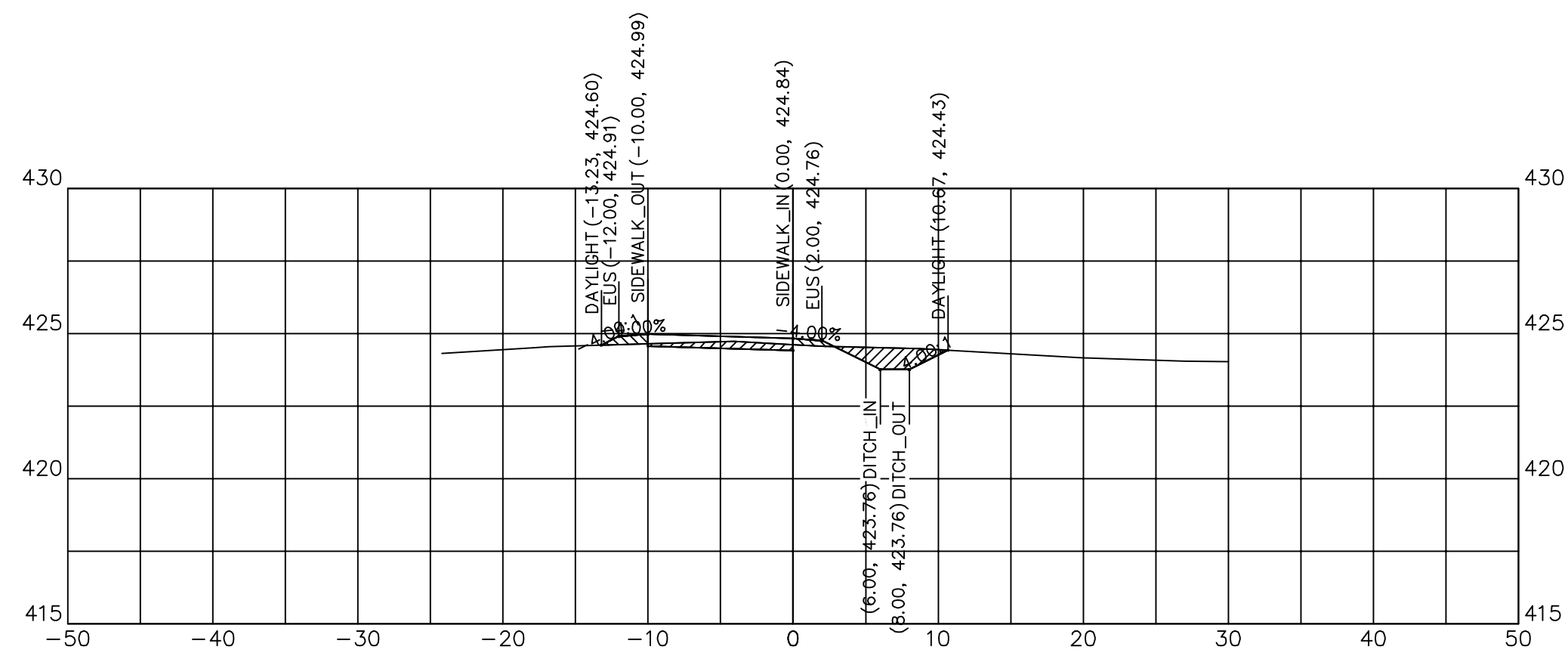
131+00.00

131+00.00	
CUT SQ FT	5.52
FILL SQ FT	1.30
CUT CU YD	0.52
FILL CU YD	0.12
CUM C CU YD	549.66
CUM F CU YD	476.02



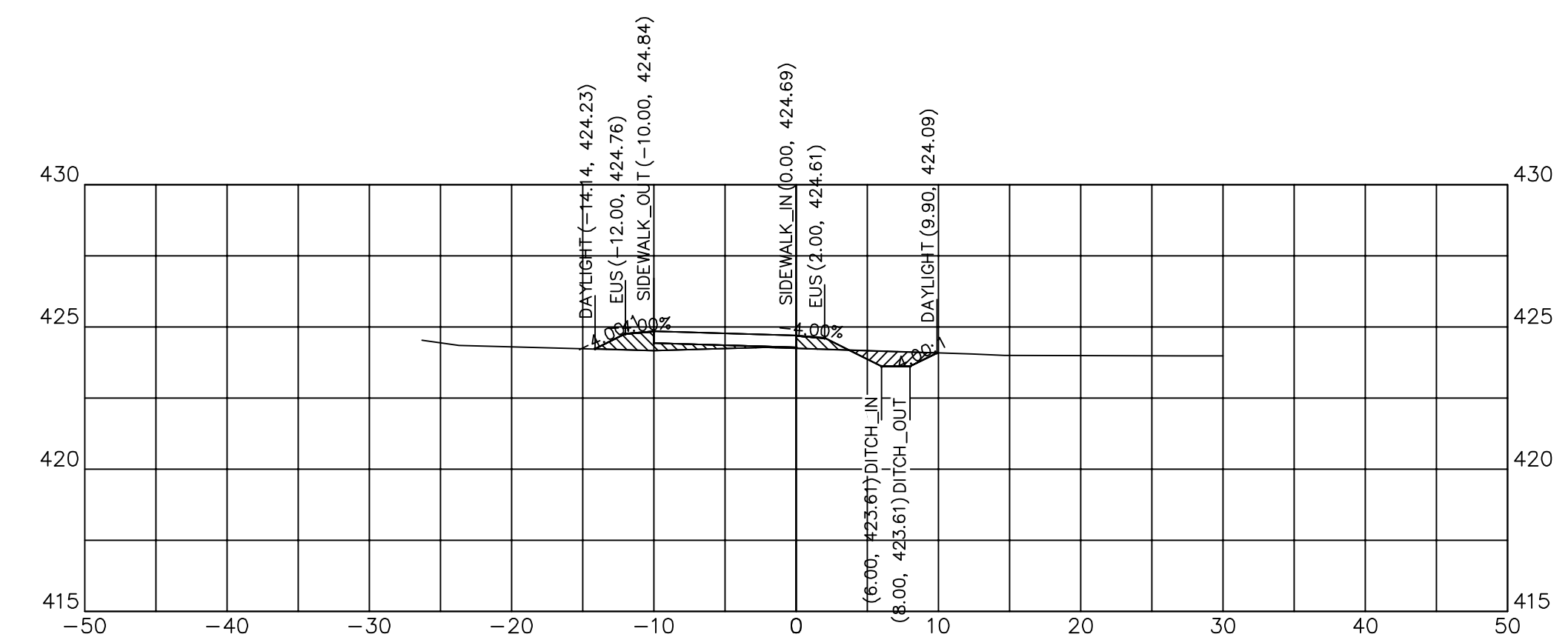
131+50.00

131+50.00	
CUT SQ FT	1.23
FILL SQ FT	10.08
CUT CU YD	0.06
FILL CU YD	0.54
CUM C CU YD	554.60
CUM F CU YD	485.76



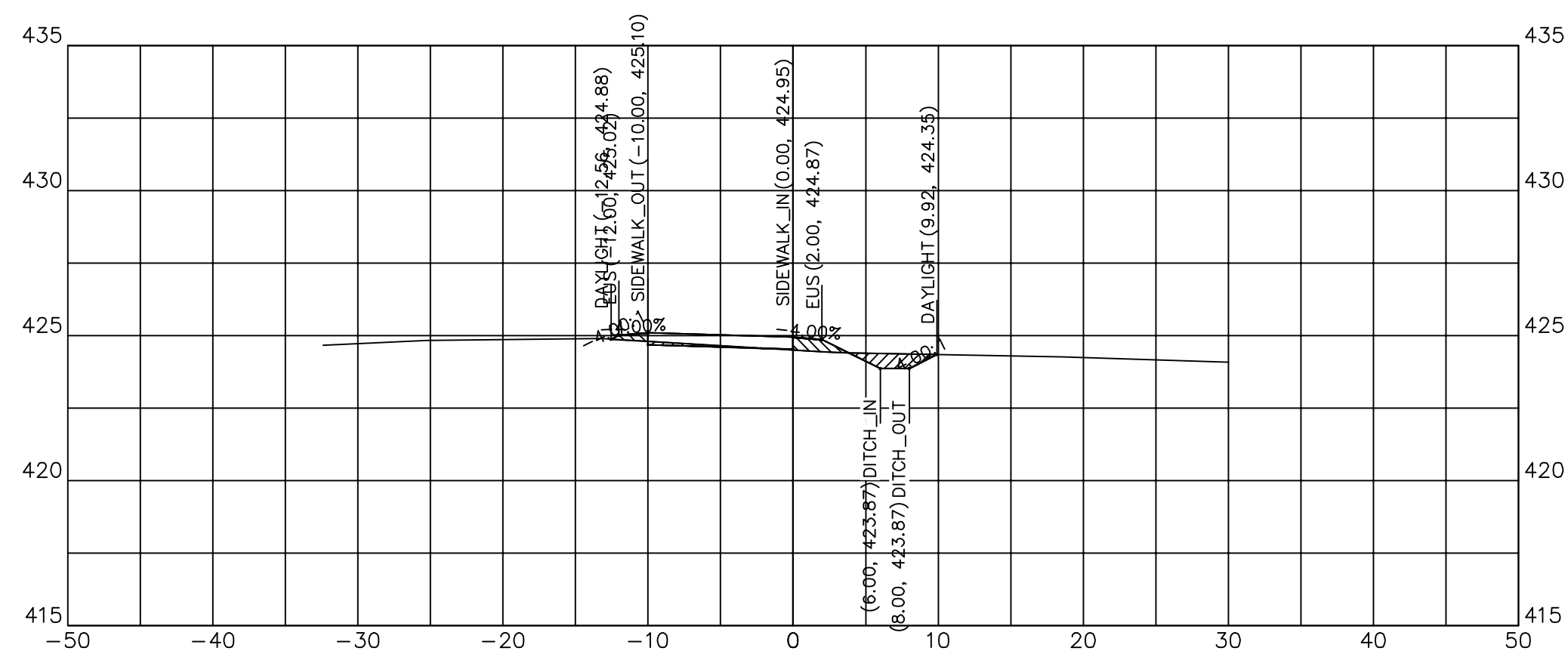
130+97.46

130+97.46	
CUT SQ FT	5.51
FILL SQ FT	1.28
CUT CU YD	3.03
FILL CU YD	1.22
CUM C CU YD	549.14
CUM F CU YD	475.90



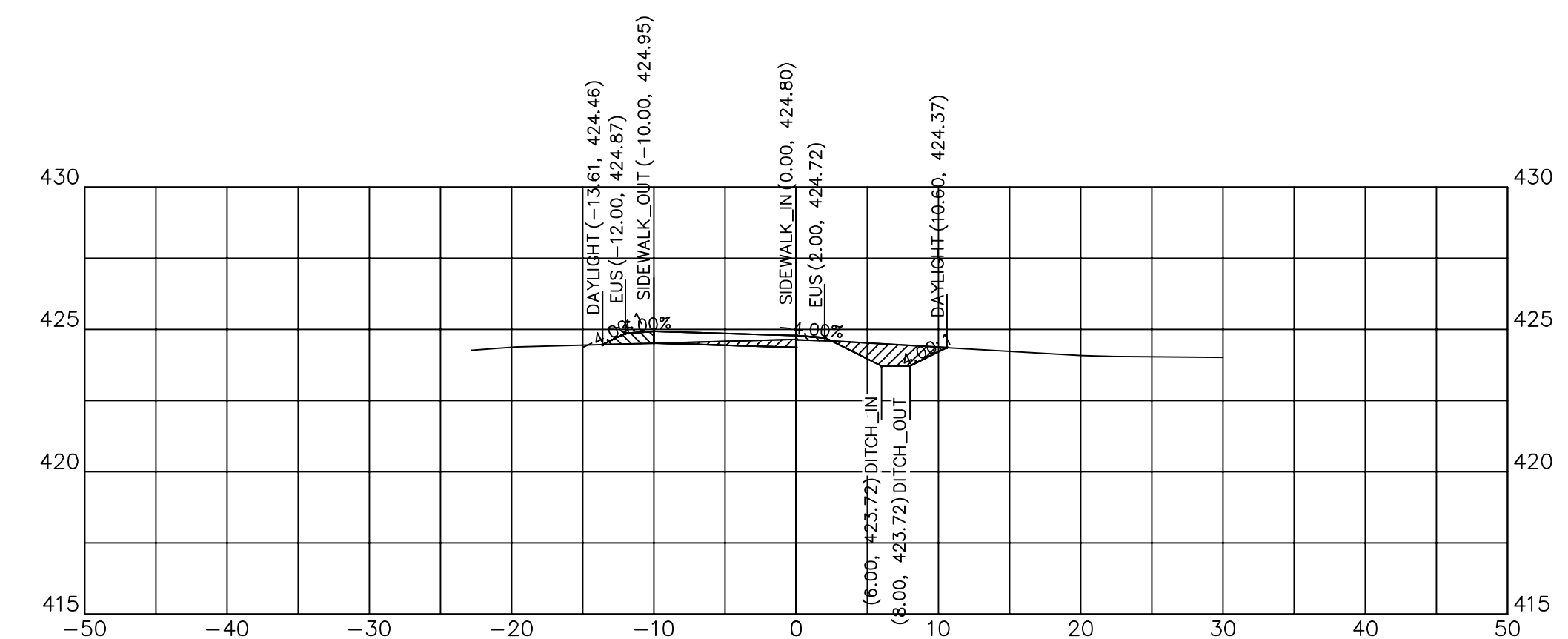
131+25.00

131+25.00	
CUT SQ FT	2.14
FILL SQ FT	4.13
CUT CU YD	2.42
FILL CU YD	2.25
CUM C CU YD	553.12
CUM F CU YD	478.53



130+76.45

130+76.45	
CUT SQ FT	2.54
FILL SQ FT	1.73
CUT CU YD	0.13
FILL CU YD	0.09
CUM C CU YD	546.11
CUM F CU YD	474.68



131+05.31

131+05.31	
CUT SQ FT	5.10
FILL SQ FT	1.38
CUT CU YD	1.04
FILL CU YD	0.26
CUM C CU YD	550.70
CUM F CU YD	476.28



DESIGNED - JHC  
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 REVISED - 07/11/20

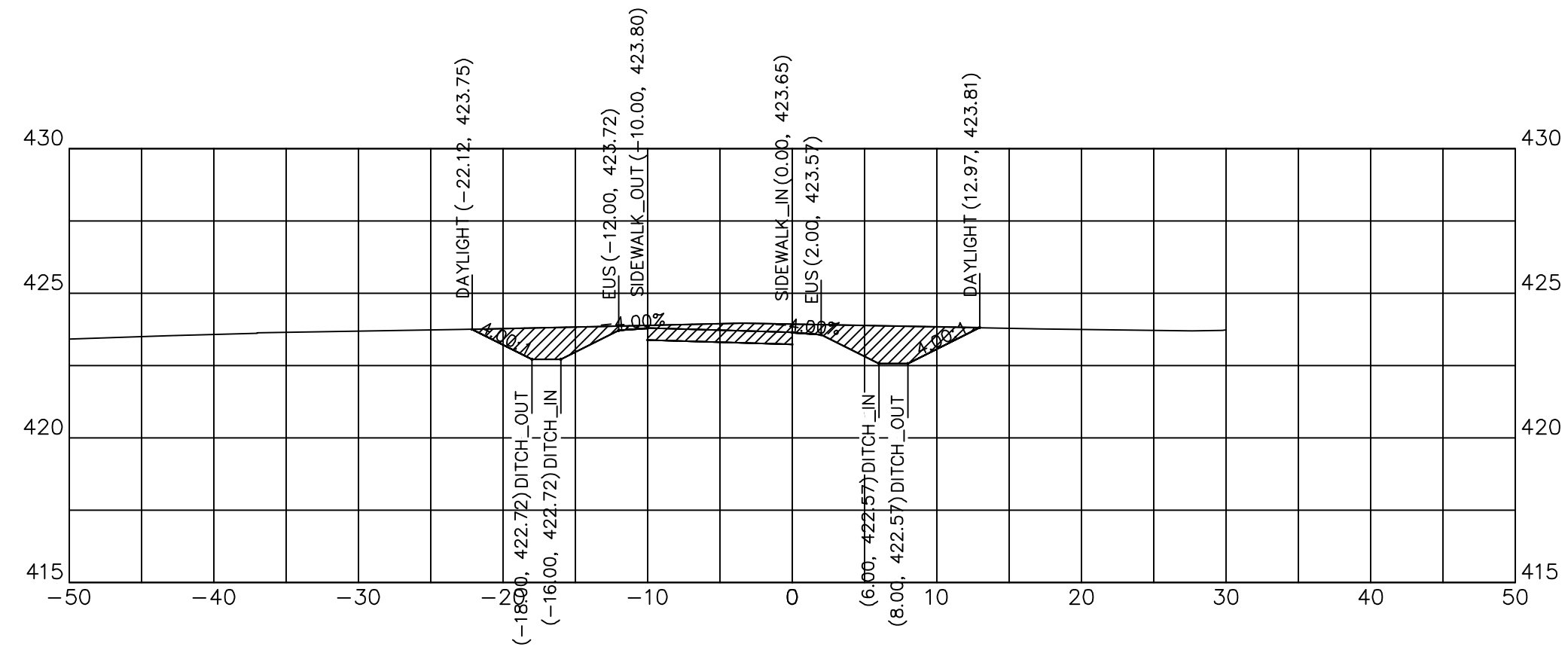
JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 21 OF 36 SHEETS STA. 130+61.29 TO STA. 131+25

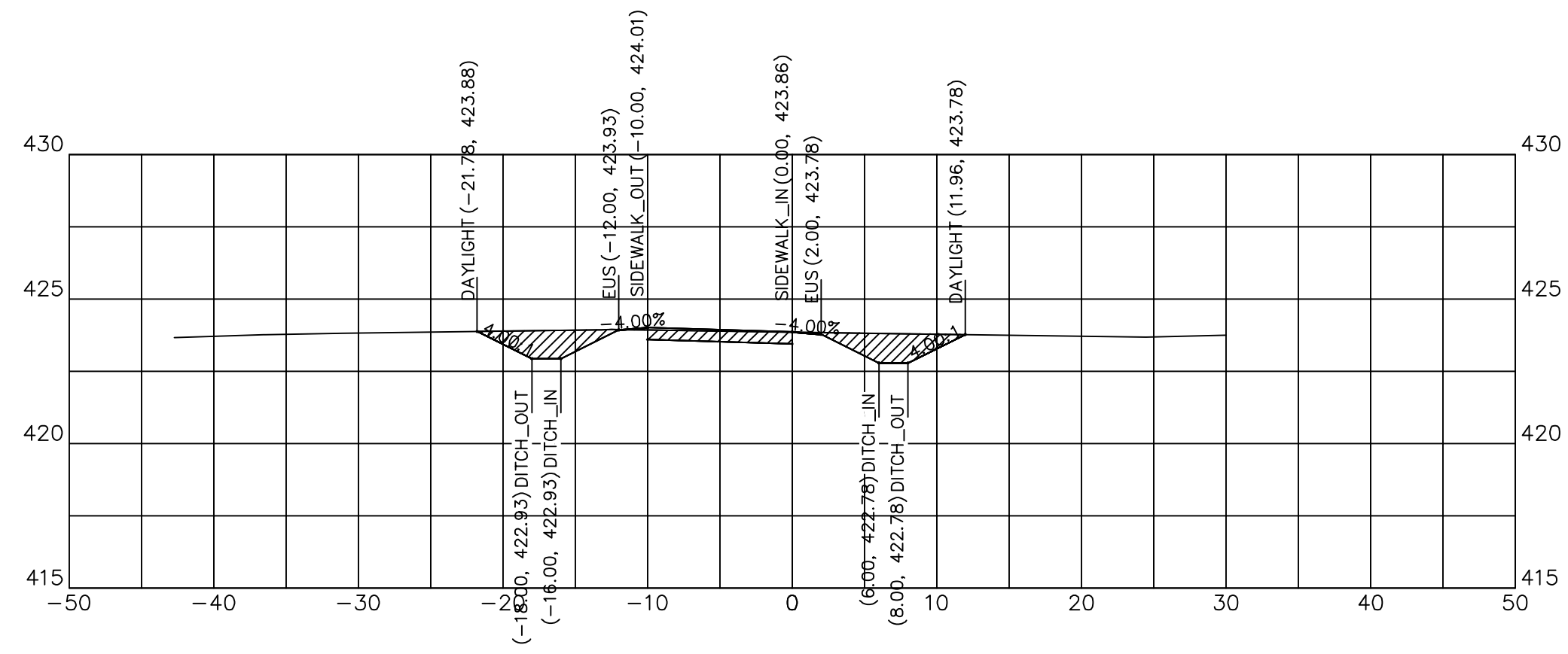
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	50
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





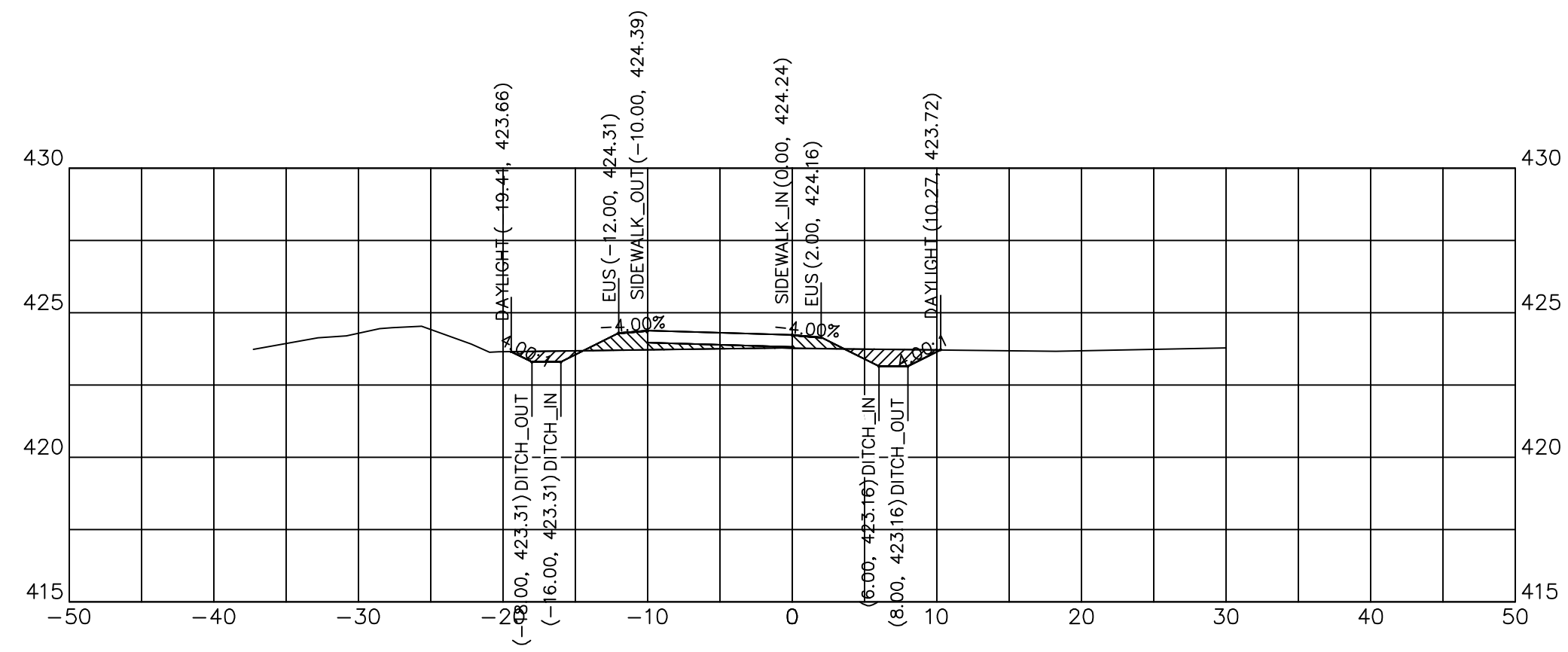
132+00.00

132+00.00	
CUT SQ FT	23.17
FILL SQ FT	0.00
CUT CU YD	5.78
FILL CU YD	0.01
CUM C CU YD	569.33
CUM F CU YD	494.80



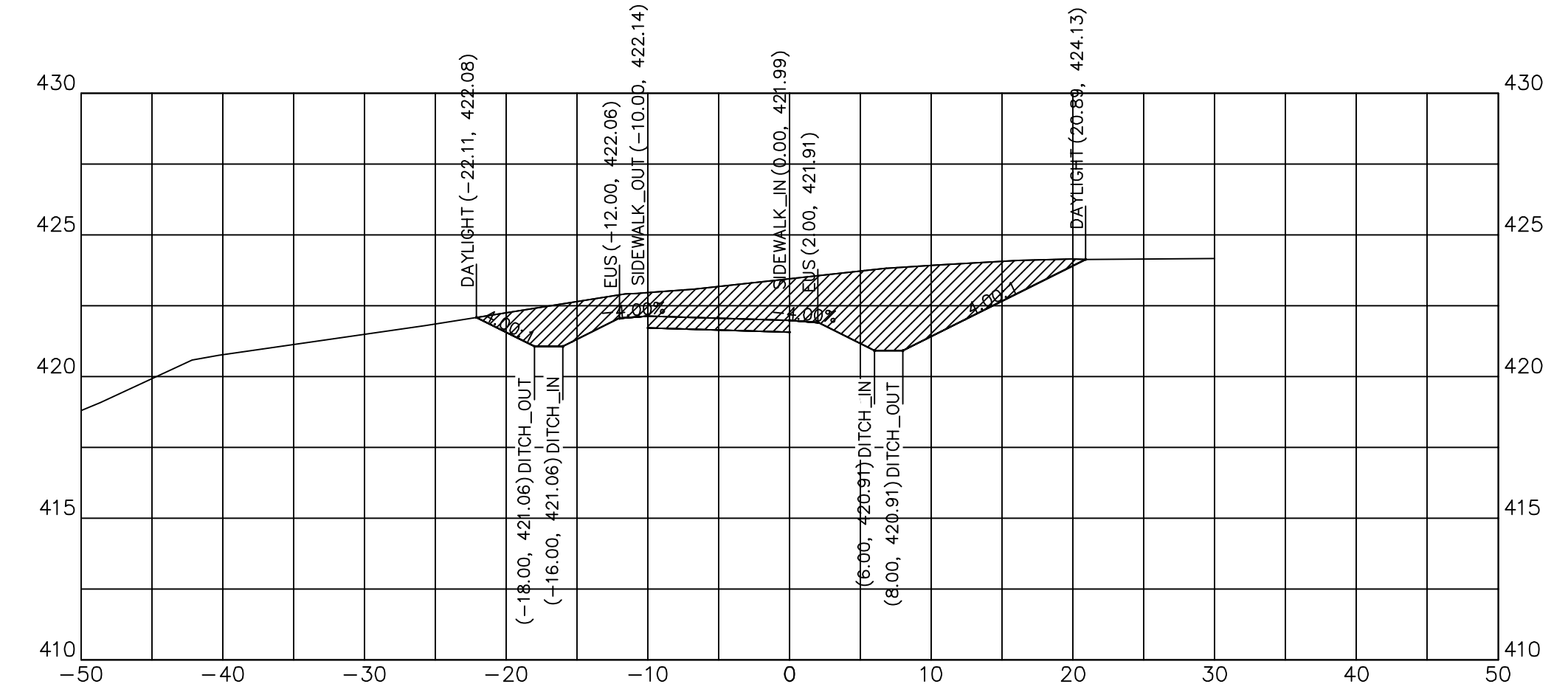
131+92.00

131+92.00	
CUT SQ FT	15.82
FILL SQ FT	0.06
CUT CU YD	6.59
FILL CU YD	1.60
CUM C CU YD	563.56
CUM F CU YD	494.79



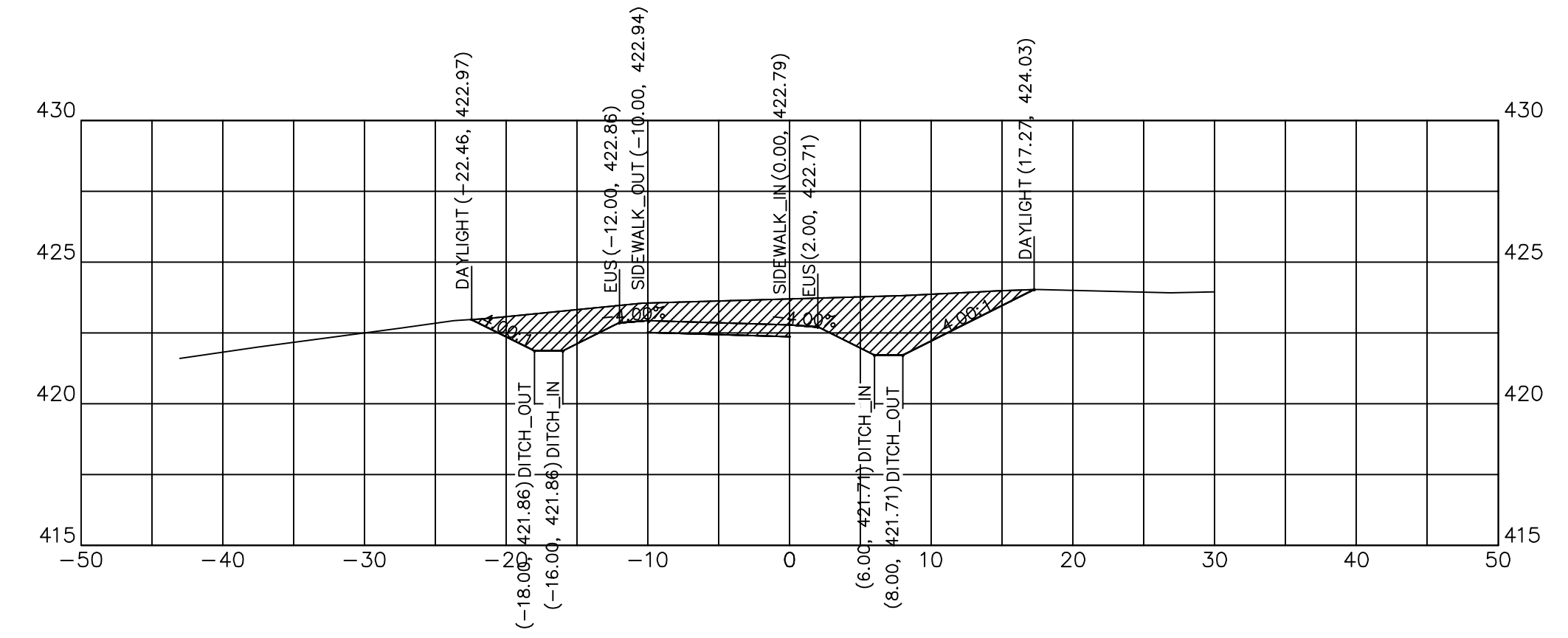
131+75.00

131+75.00	
CUT SQ FT	3.83
FILL SQ FT	4.49
CUT CU YD	2.37
FILL CU YD	7.43
CUM C CU YD	556.97
CUM F CU YD	493.19



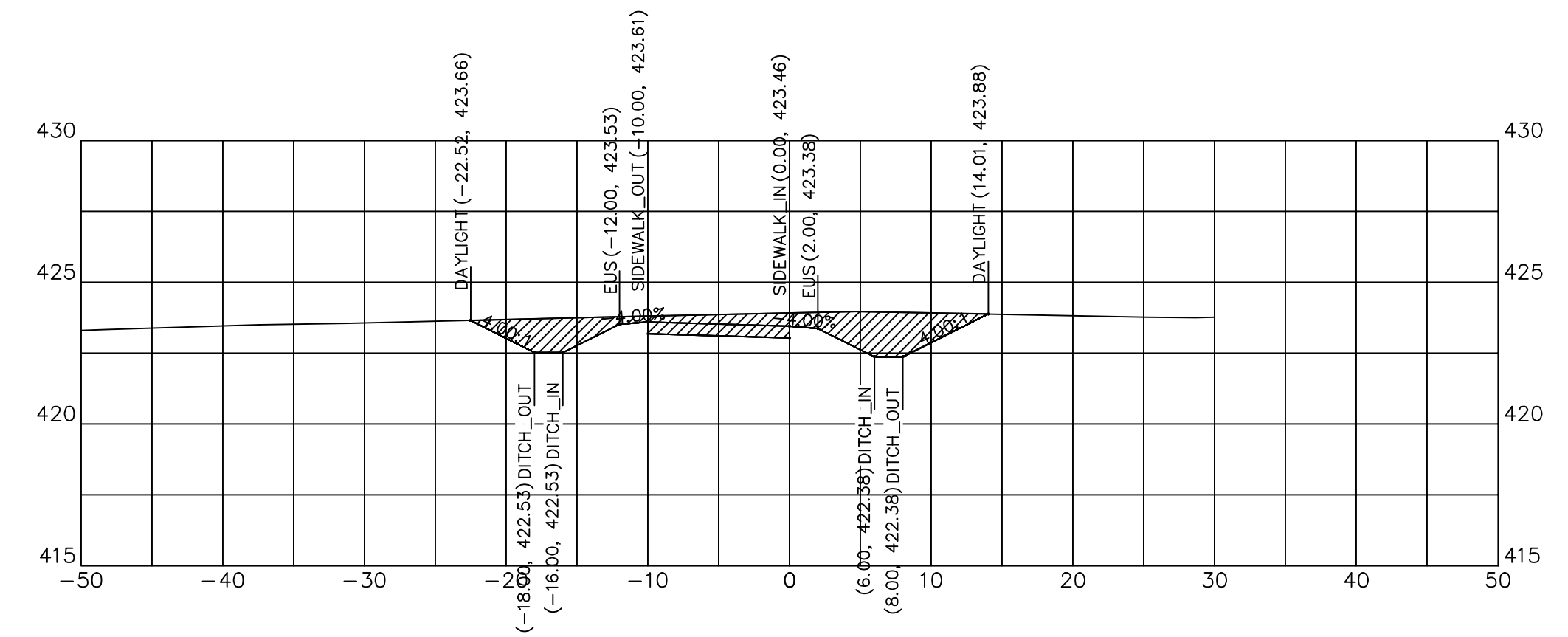
132+43.45

132+43.45	
CUT SQ FT	64.94
FILL SQ FT	0.00
CUT CU YD	37.59
FILL CU YD	0.00
CUM C CU YD	639.62
CUM F CU YD	494.80



132+25.00

132+25.00	
CUT SQ FT	45.09
FILL SQ FT	0.00
CUT CU YD	26.73
FILL CU YD	0.00
CUM C CU YD	602.03
CUM F CU YD	494.80



132+06.17

132+06.17	
CUT SQ FT	29.05
FILL SQ FT	0.00
CUT CU YD	5.97
FILL CU YD	0.00
CUM C CU YD	575.30
CUM F CU YD	494.80



DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

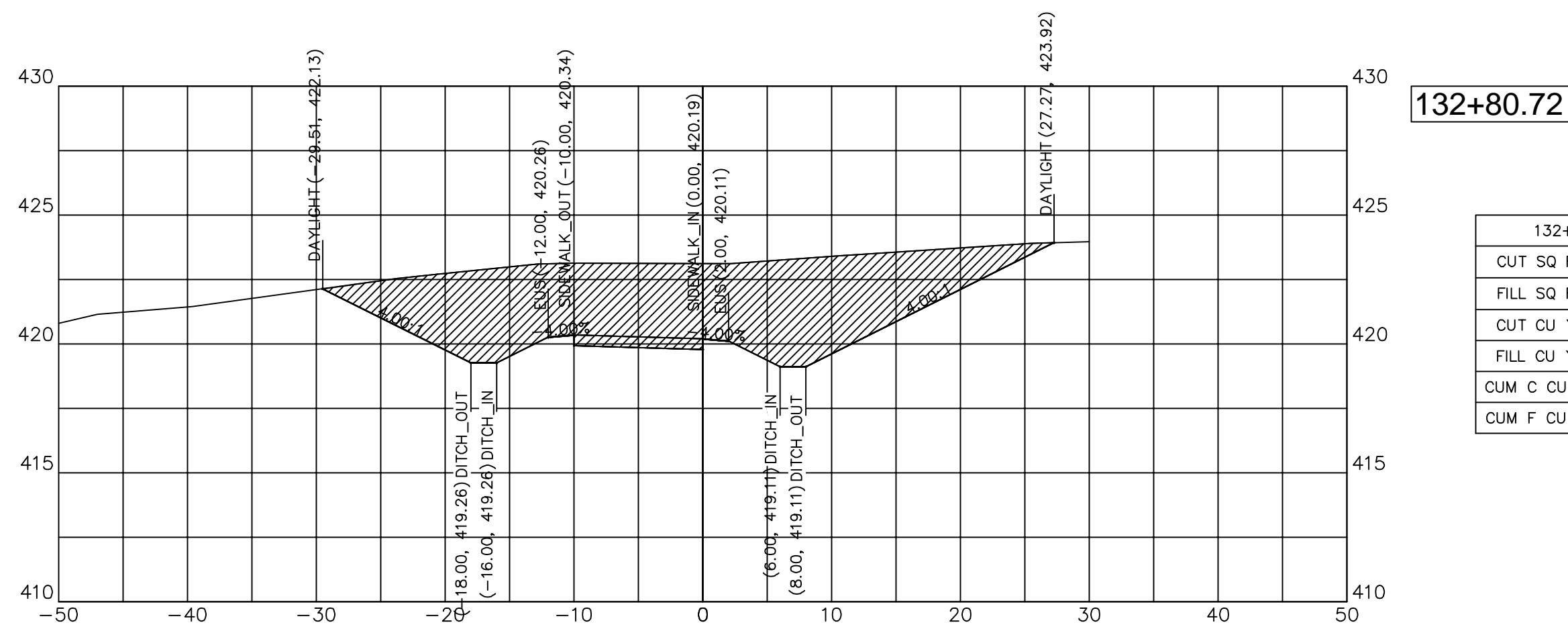
**JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MULTI-USE PATH**

SCALE: HOR:1=10 VERT:1=5 SHEET 22 OF 36 SHEETS STA. 131+28.78 TO STA. 132+00

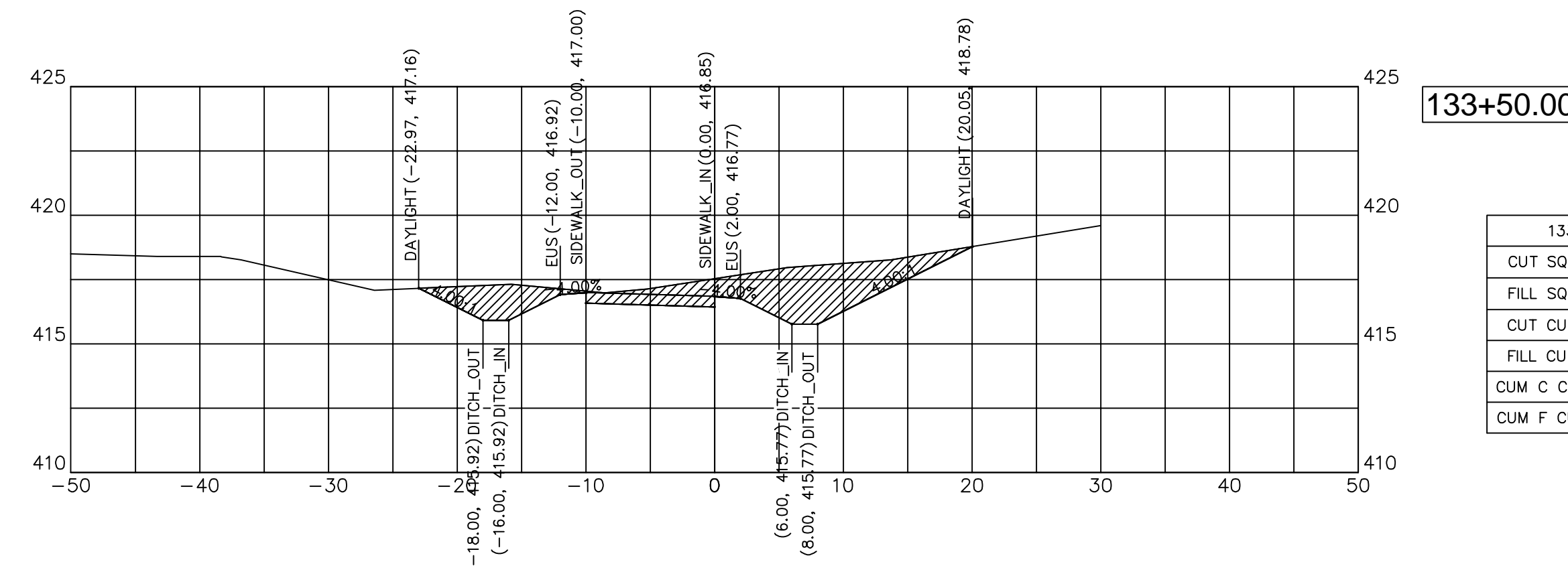
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	51
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





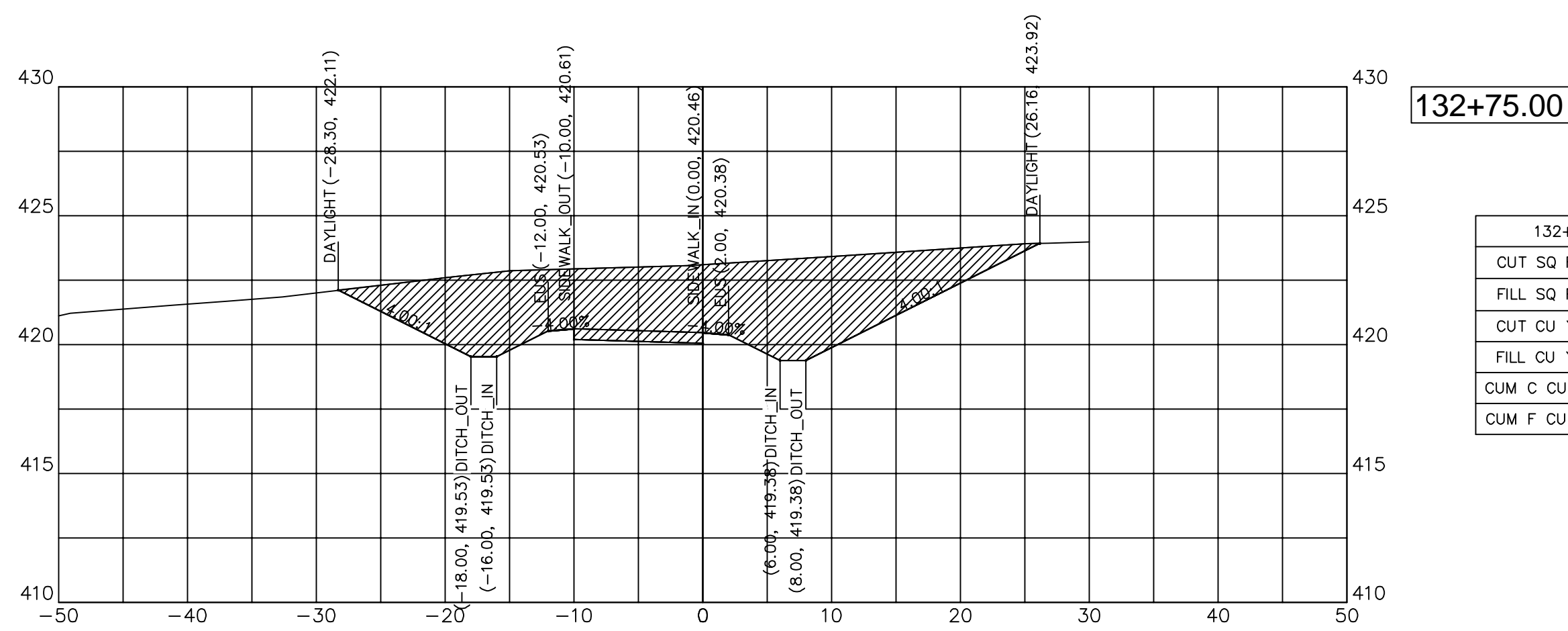
132+80.72

132+80.72	
CUT SQ FT	148.96
FILL SQ FT	0.00
CUT CU YD	30.43
FILL CU YD	0.00
CUM C CU YD	784.39
CUM F CU YD	494.80



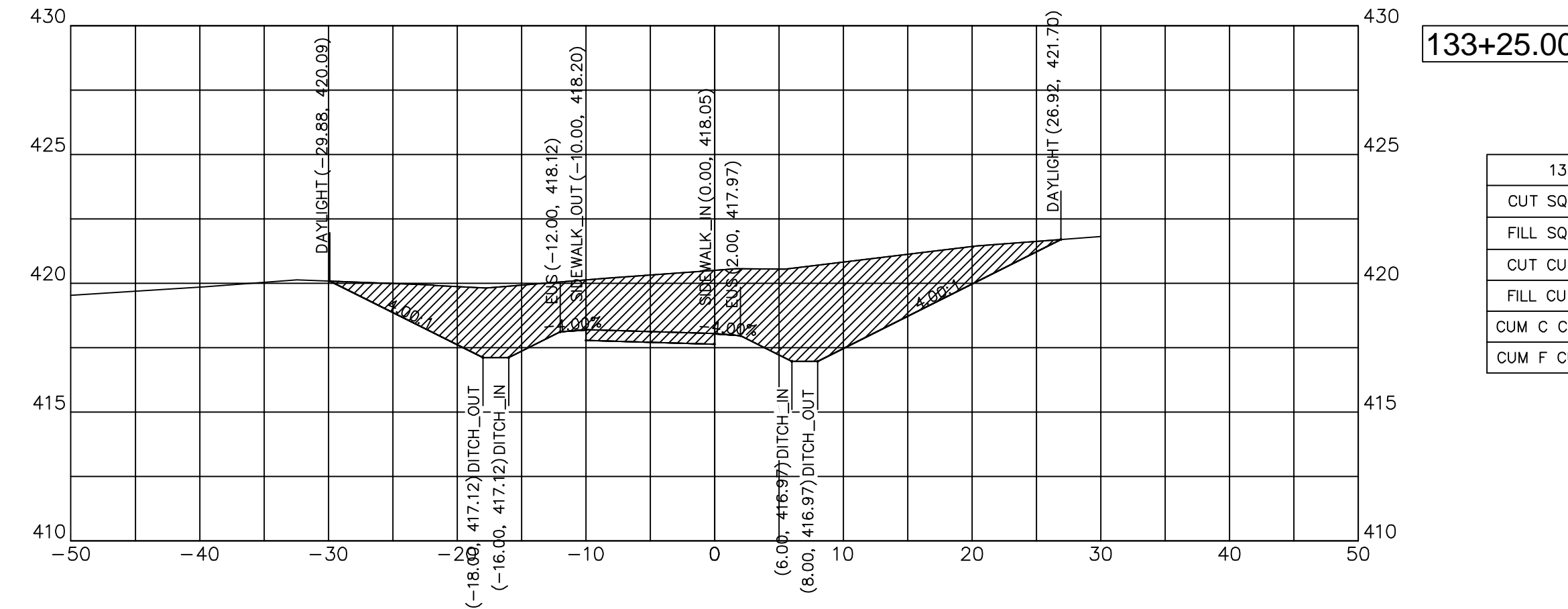
133+50.00

133+50.00	
CUT SQ FT	41.82
FILL SQ FT	0.00
CUT CU YD	75.26
FILL CU YD	0.00
CUM C CU YD	1108.90
CUM F CU YD	494.80



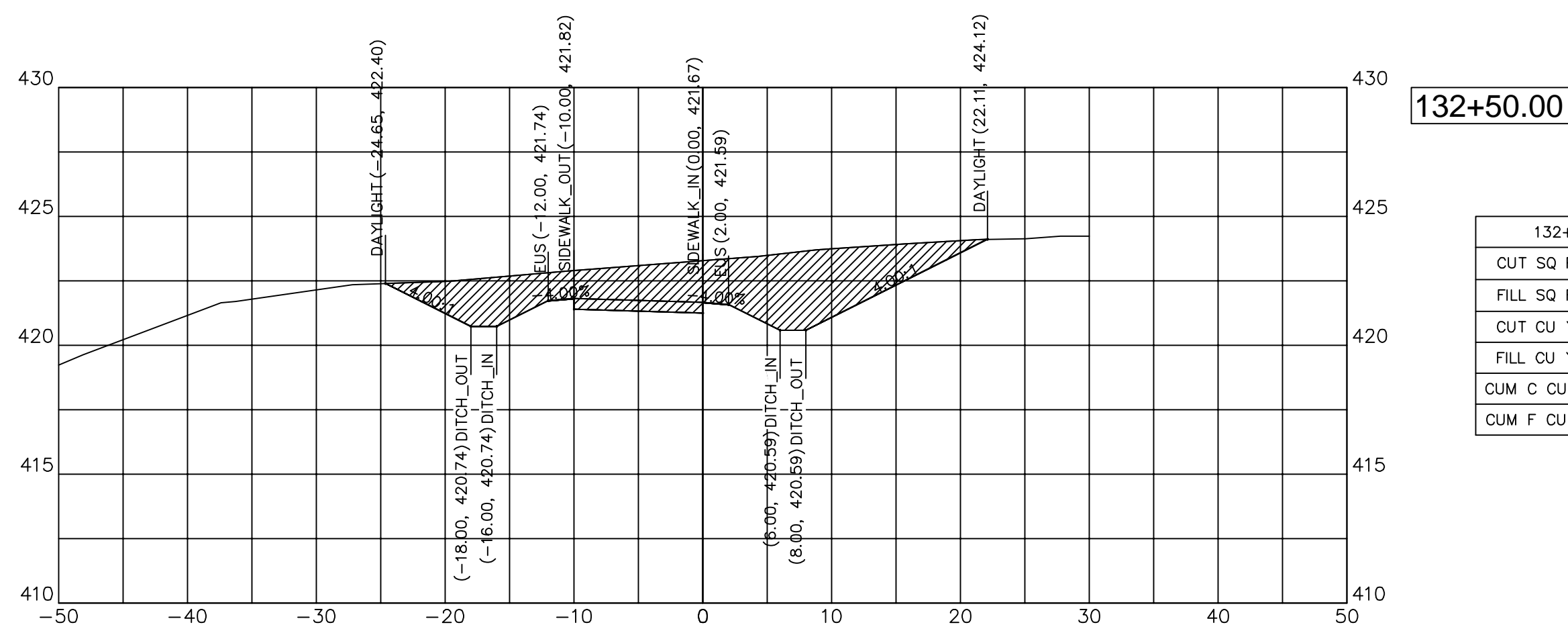
132+75.00

132+75.00	
CUT SQ FT	130.55
FILL SQ FT	0.00
CUT CU YD	97.30
FILL CU YD	0.00
CUM C CU YD	753.95
CUM F CU YD	494.80



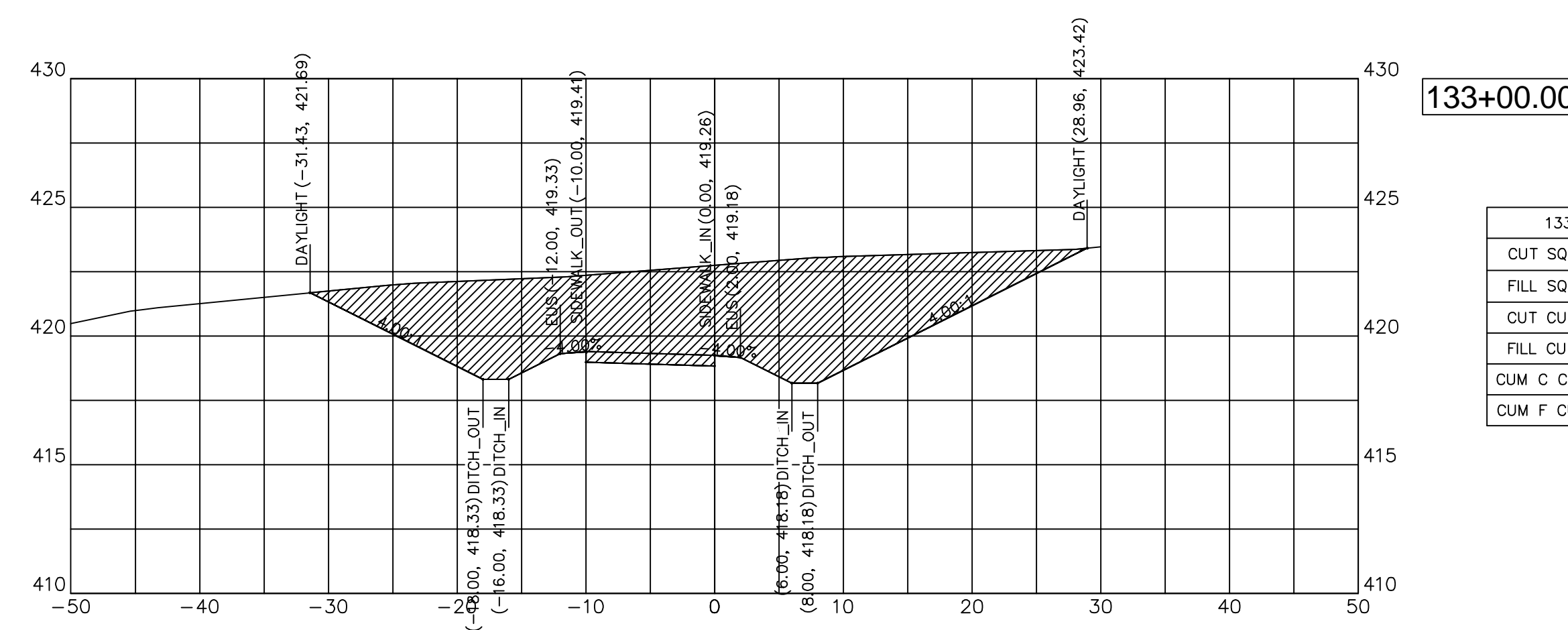
133+25.00

133+25.00	
CUT SQ FT	121.86
FILL SQ FT	0.00
CUT CU YD	135.34
FILL CU YD	0.00
CUM C CU YD	1033.64
CUM F CU YD	494.80



132+50.00

132+50.00	
CUT SQ FT	76.30
FILL SQ FT	0.00
CUT CU YD	17.04
FILL CU YD	0.00
CUM C CU YD	656.66
CUM F CU YD	494.80



133+00.00

133+00.00	
CUT SQ FT	174.72
FILL SQ FT	0.00
CUT CU YD	113.91
FILL CU YD	0.00
CUM C CU YD	898.29
CUM F CU YD	494.80



DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
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DATE	— 03/27/20	REVISED	— 07/11/20

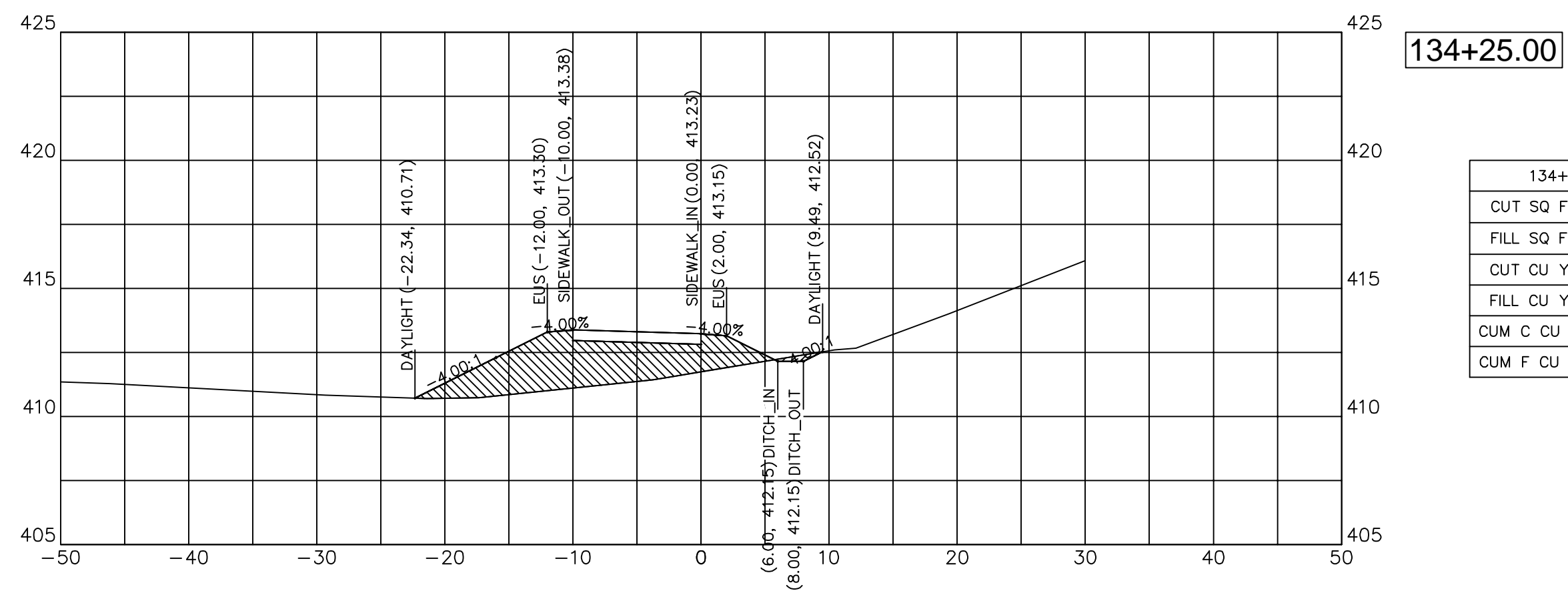
JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 23 OF 36 SHEETS STA. 132+24.28 TO STA. 132+75

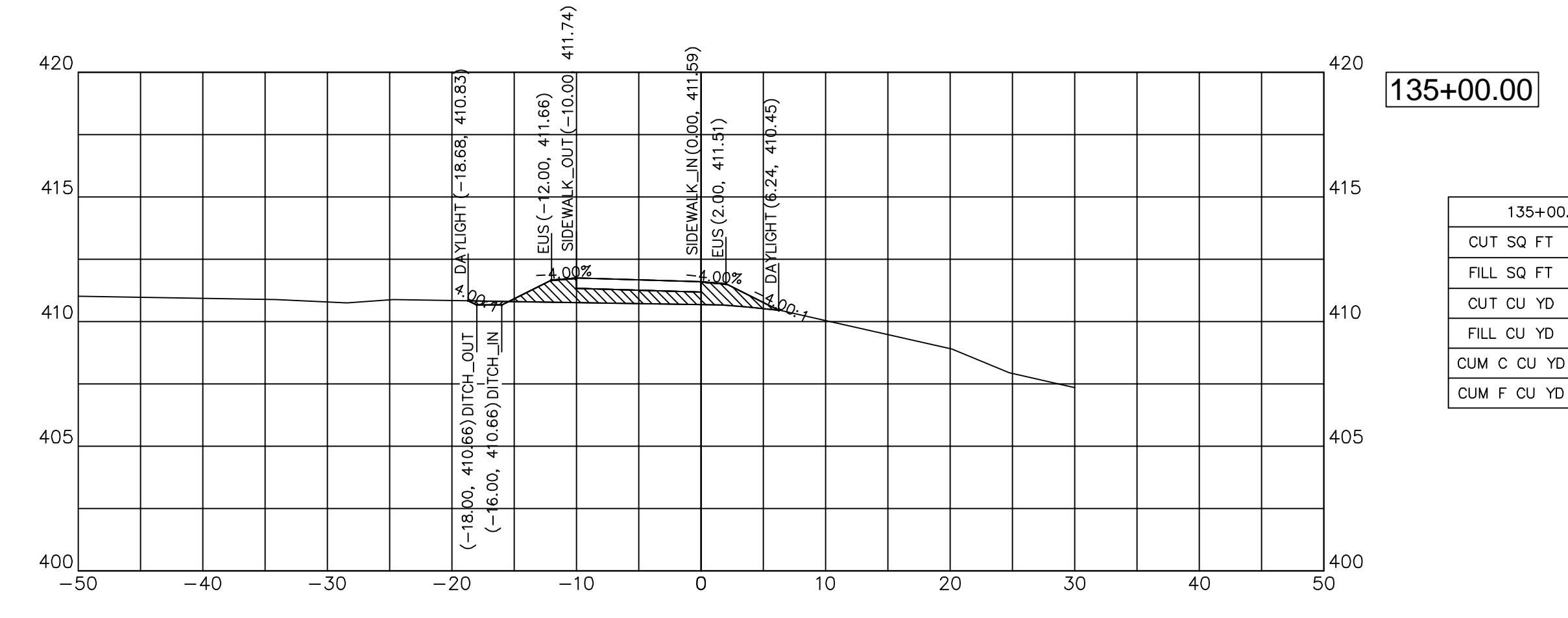
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	52
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				





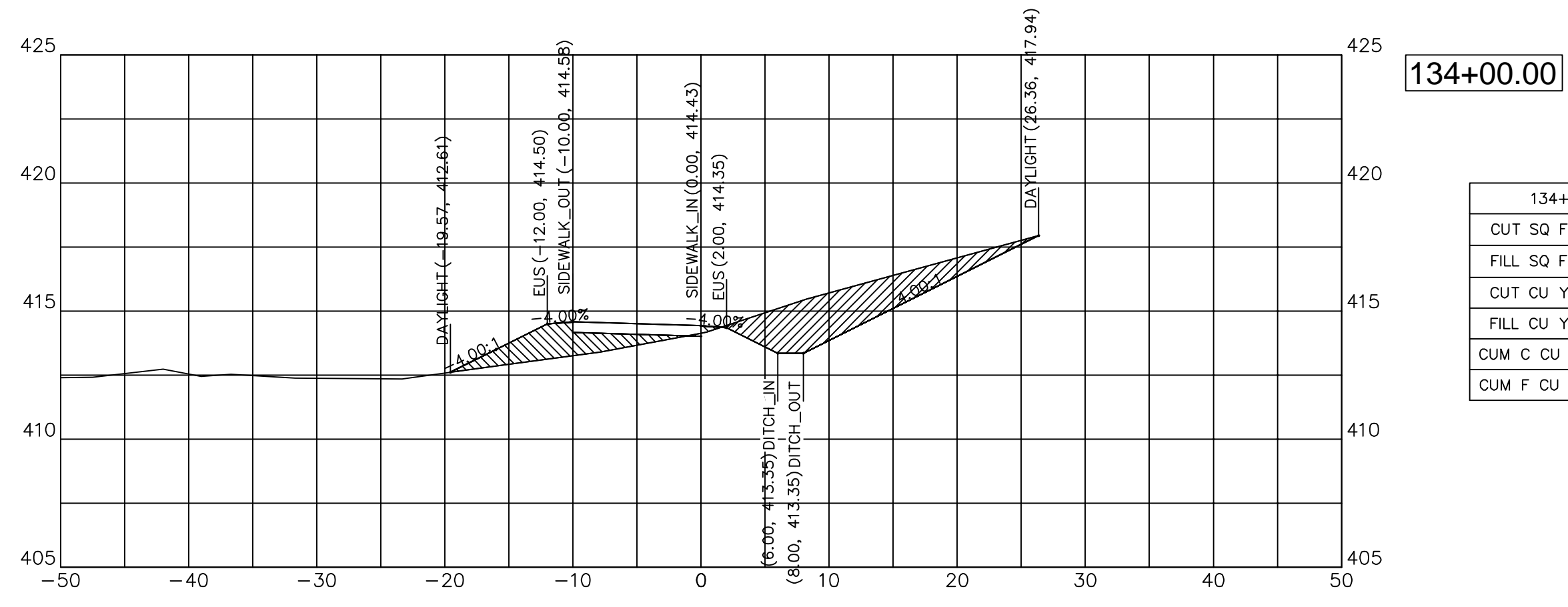
134+25.00

134+25.00	
CUT SQ FT	0.54
FILL SQ FT	37.07
CUT CU YD	14.25
FILL CU YD	20.56
CUM C CU YD	1184.18
CUM F CU YD	521.01



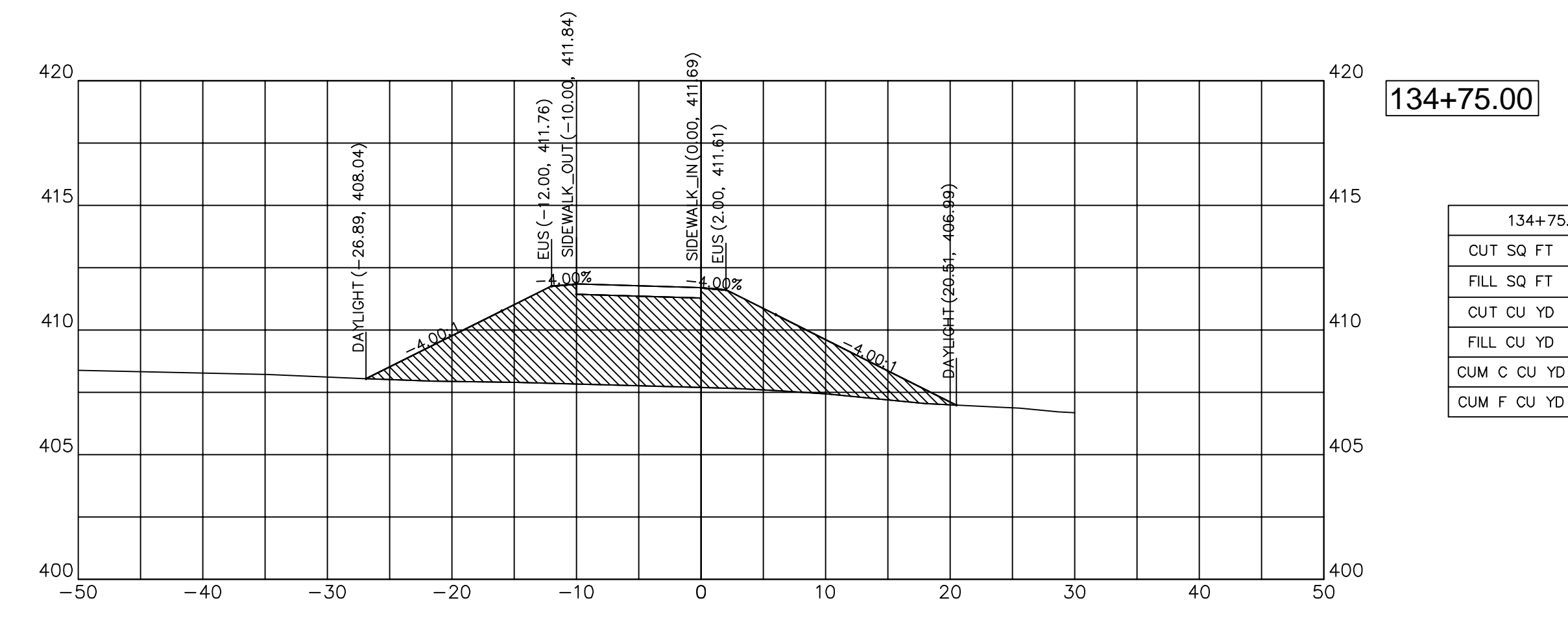
135+00.00

135+00.00	
CUT SQ FT	0.41
FILL SQ FT	12.28
CUT CU YD	0.19
FILL CU YD	59.82
CUM C CU YD	1184.62
CUM F CU YD	734.18



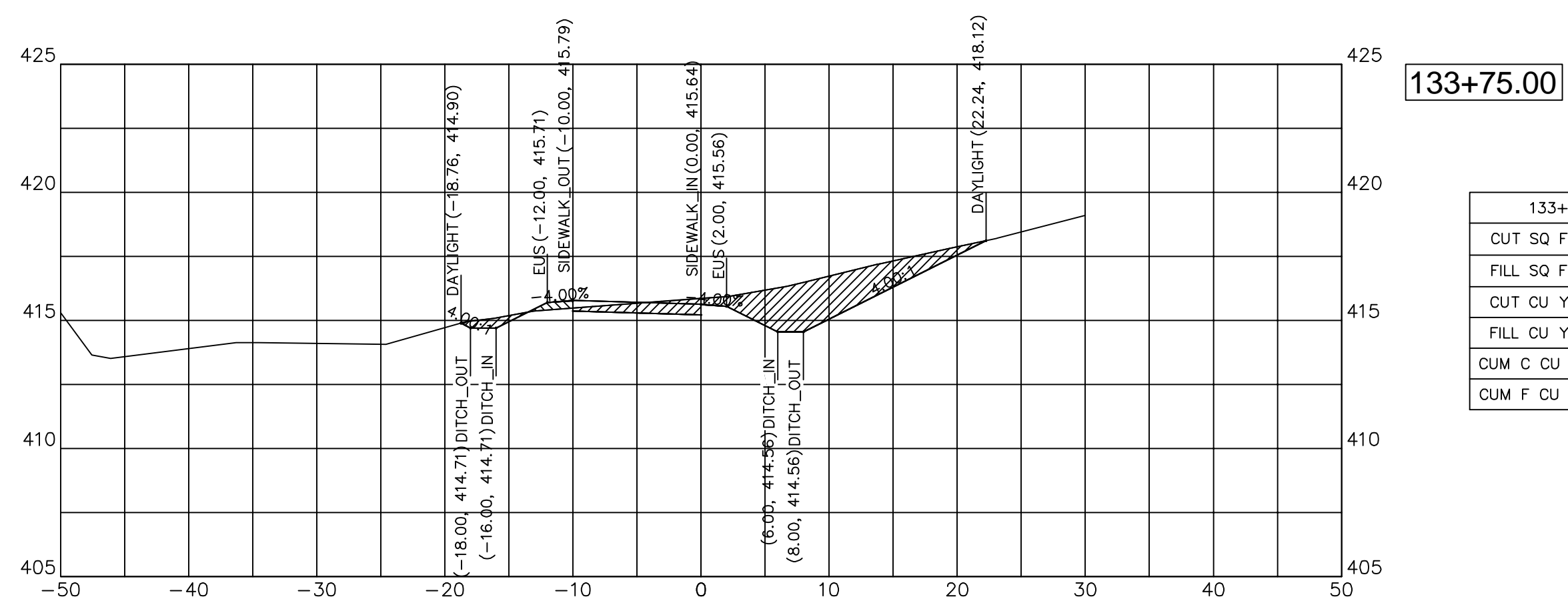
134+00.00

134+00.00	
CUT SQ FT	26.72
FILL SQ FT	12.35
CUT CU YD	27.76
FILL CU YD	5.34
CUM C CU YD	1169.92
CUM F CU YD	500.45



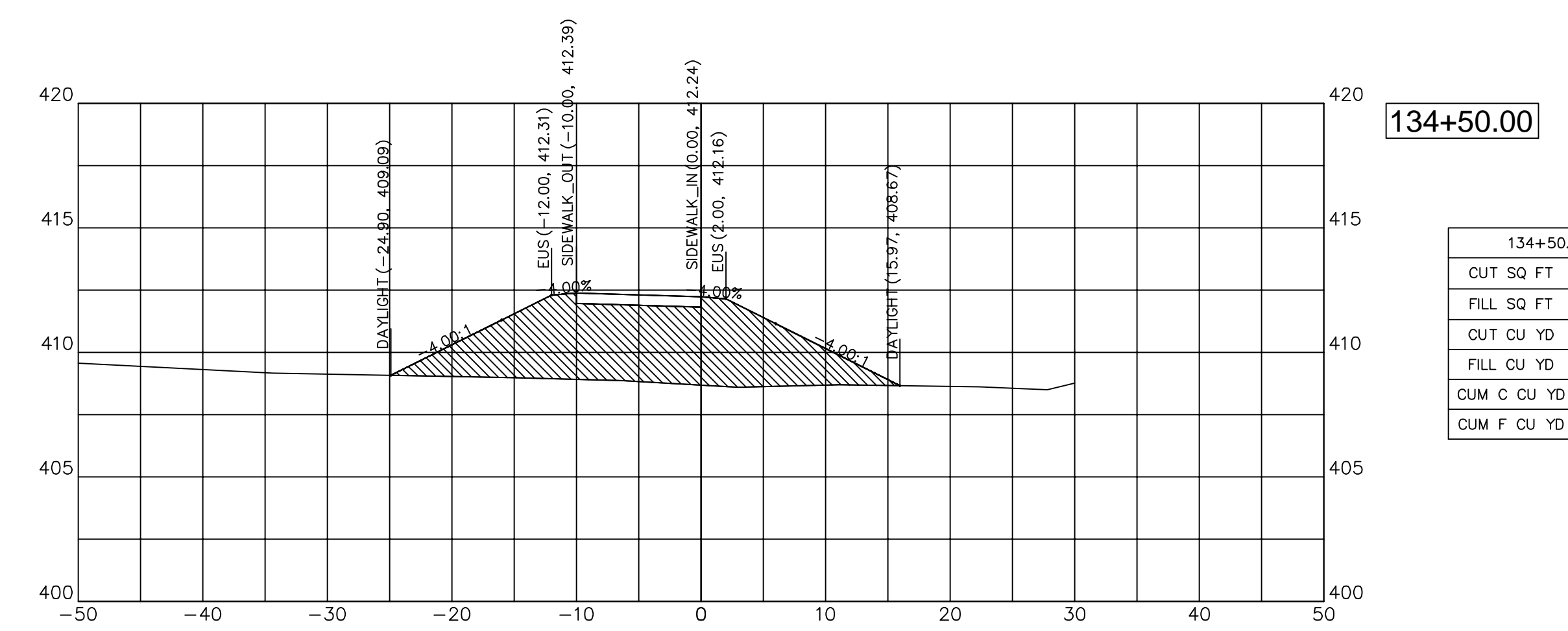
134+75.00

134+75.00	
CUT SQ FT	0.00
FILL SQ FT	116.94
CUT CU YD	0.00
FILL CU YD	96.11
CUM C CU YD	1184.44
CUM F CU YD	674.35



133+75.00

133+75.00	
CUT SQ FT	27.64
FILL SQ FT	0.77
CUT CU YD	33.26
FILL CU YD	0.31
CUM C CU YD	1142.16
CUM F CU YD	495.11



134+50.00

134+50.00	
CUT SQ FT	0.00
FILL SQ FT	90.65
CUT CU YD	0.26
FILL CU YD	57.24
CUM C CU YD	1184.44
CUM F CU YD	578.25

JOHN H. CRAWFORD & ASSOCIATES, P.C.  
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 PROFESSIONAL DESIGN FIRM # 184-002865

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CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

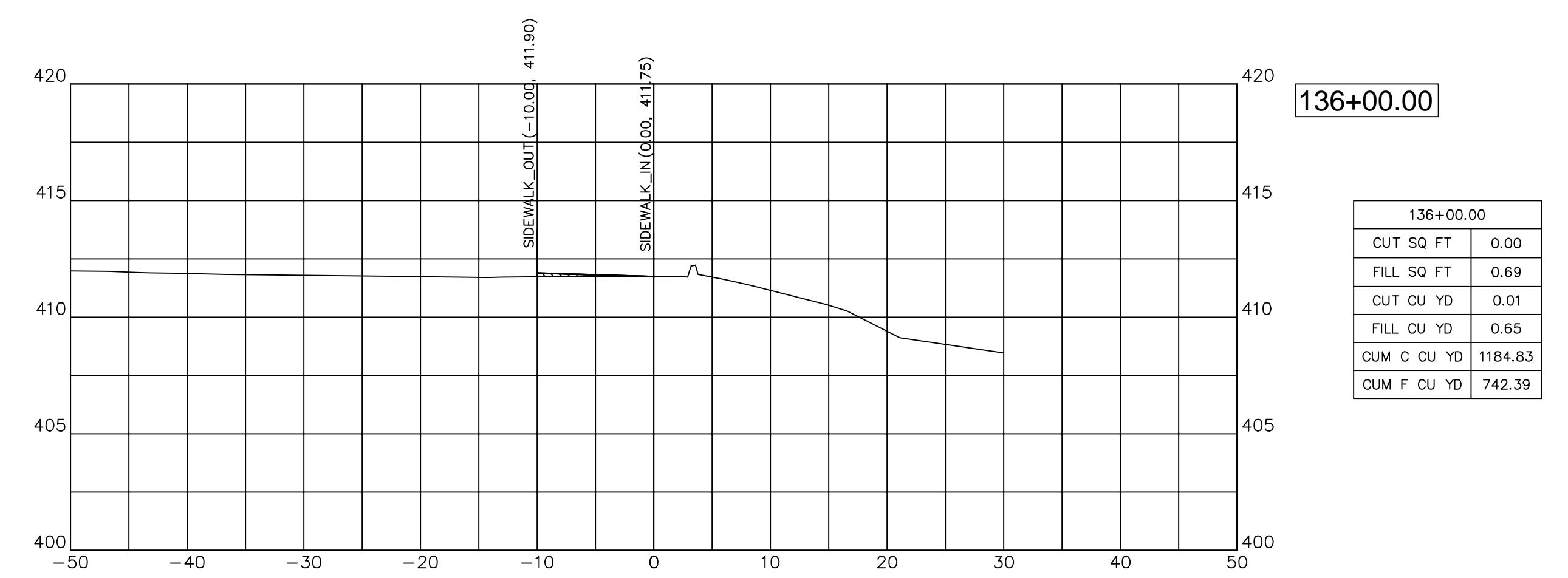
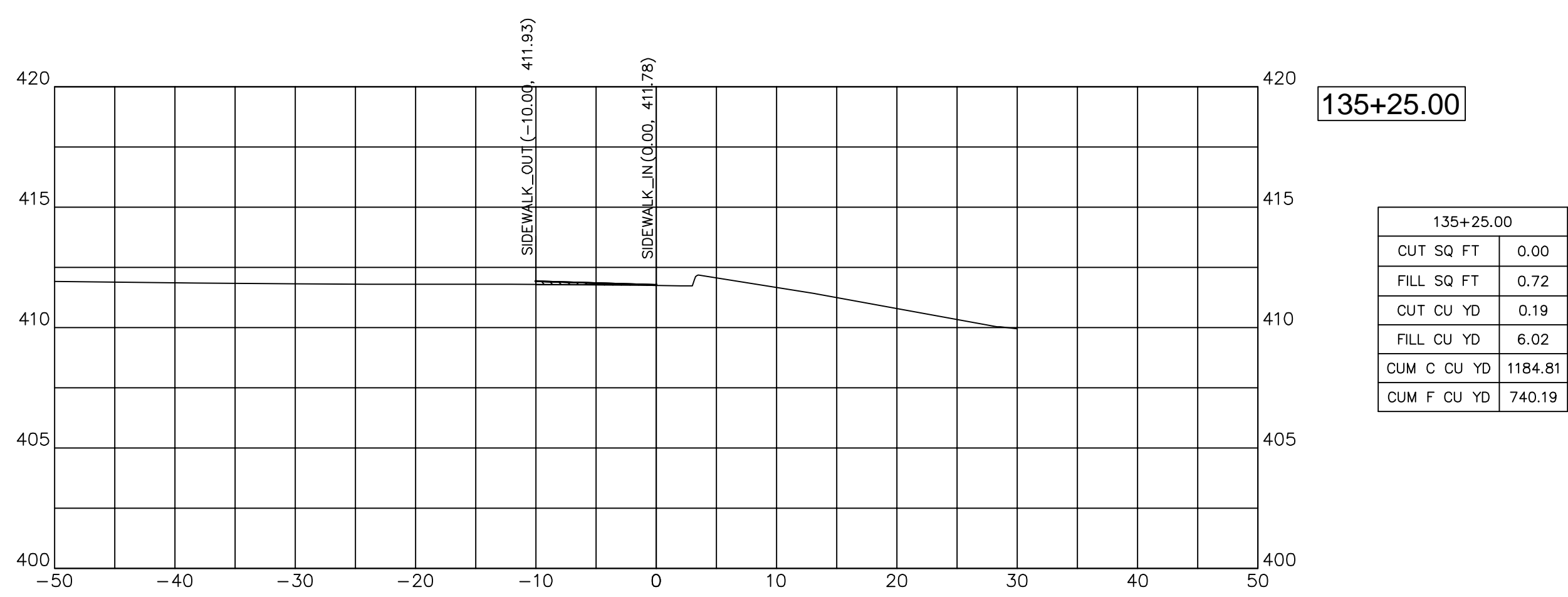
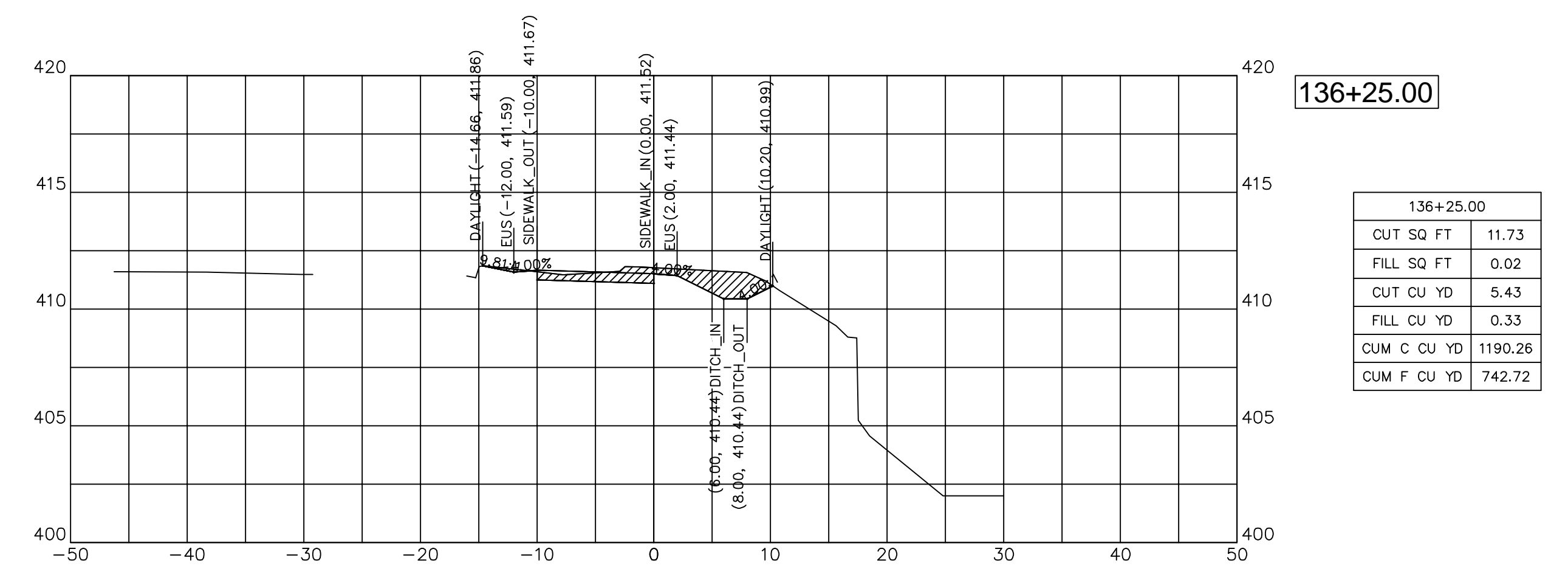
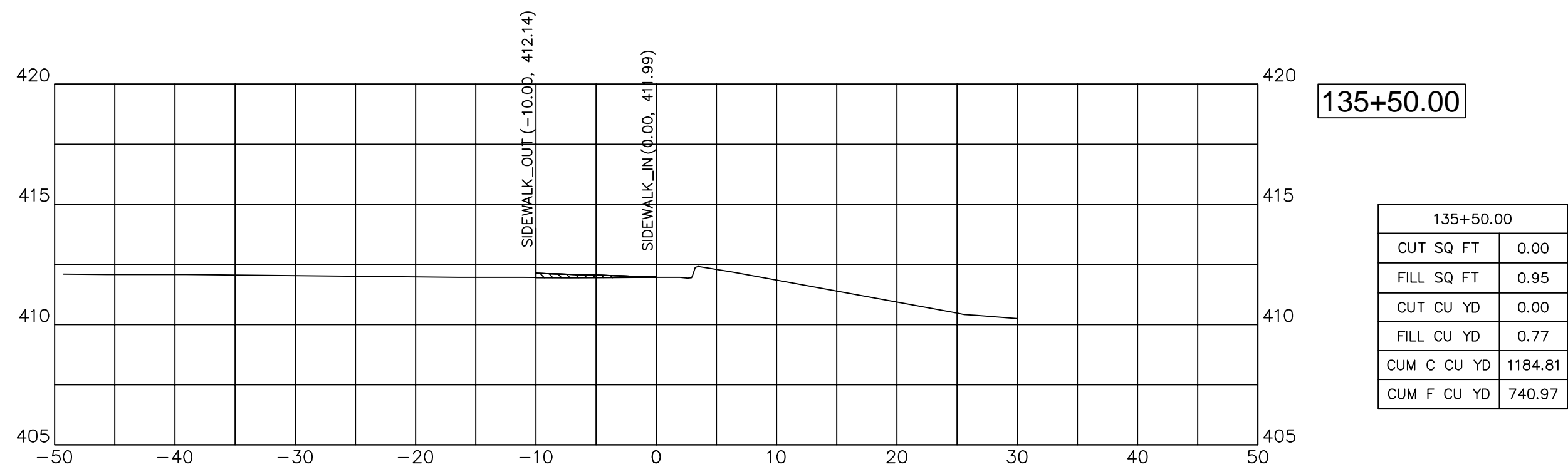
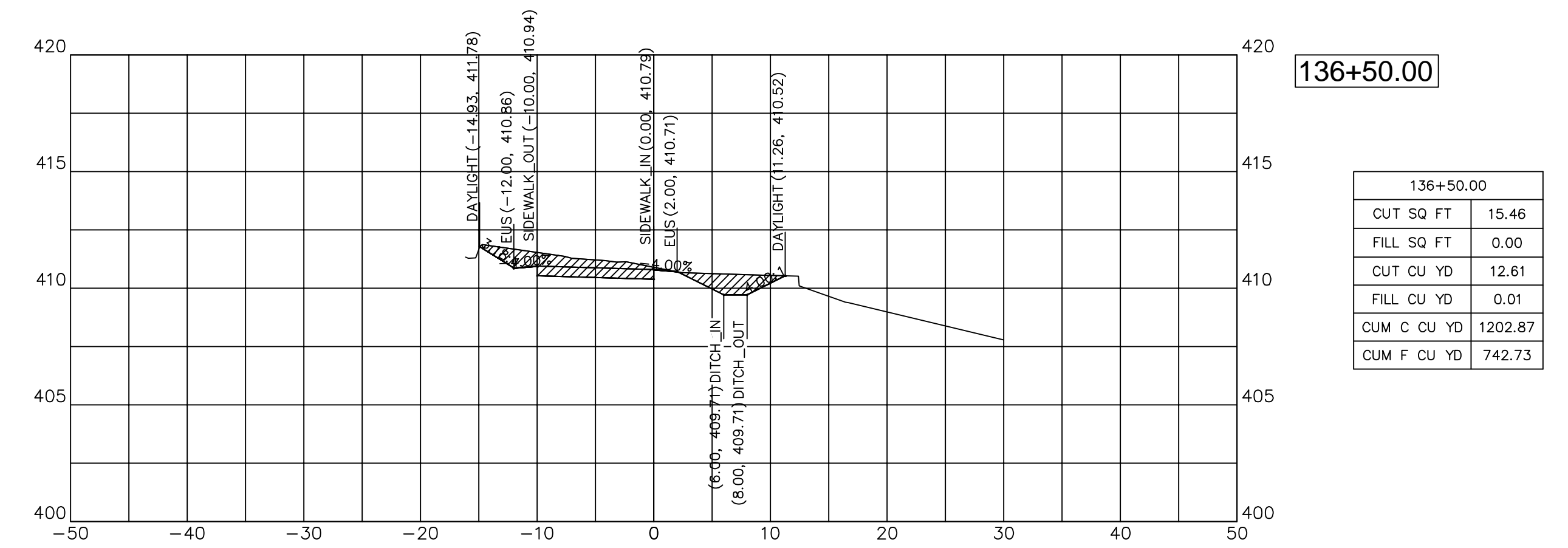
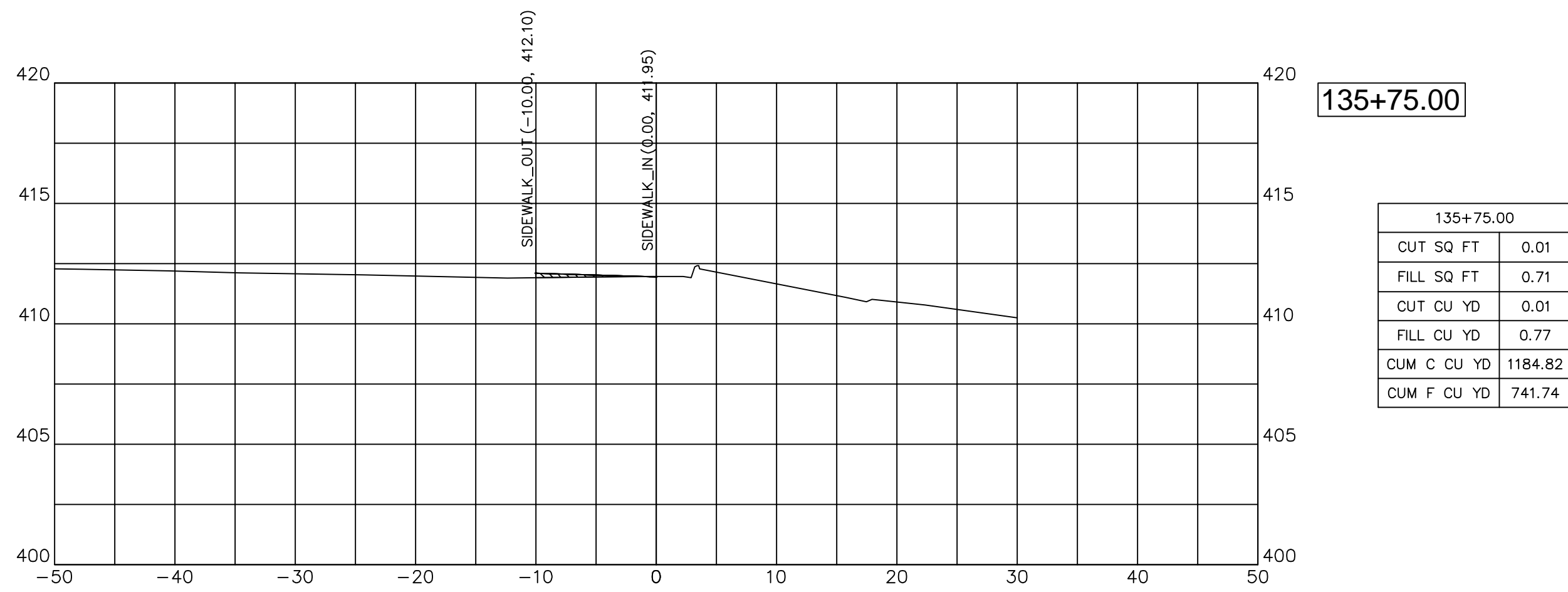
JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MULTI-USE PATH

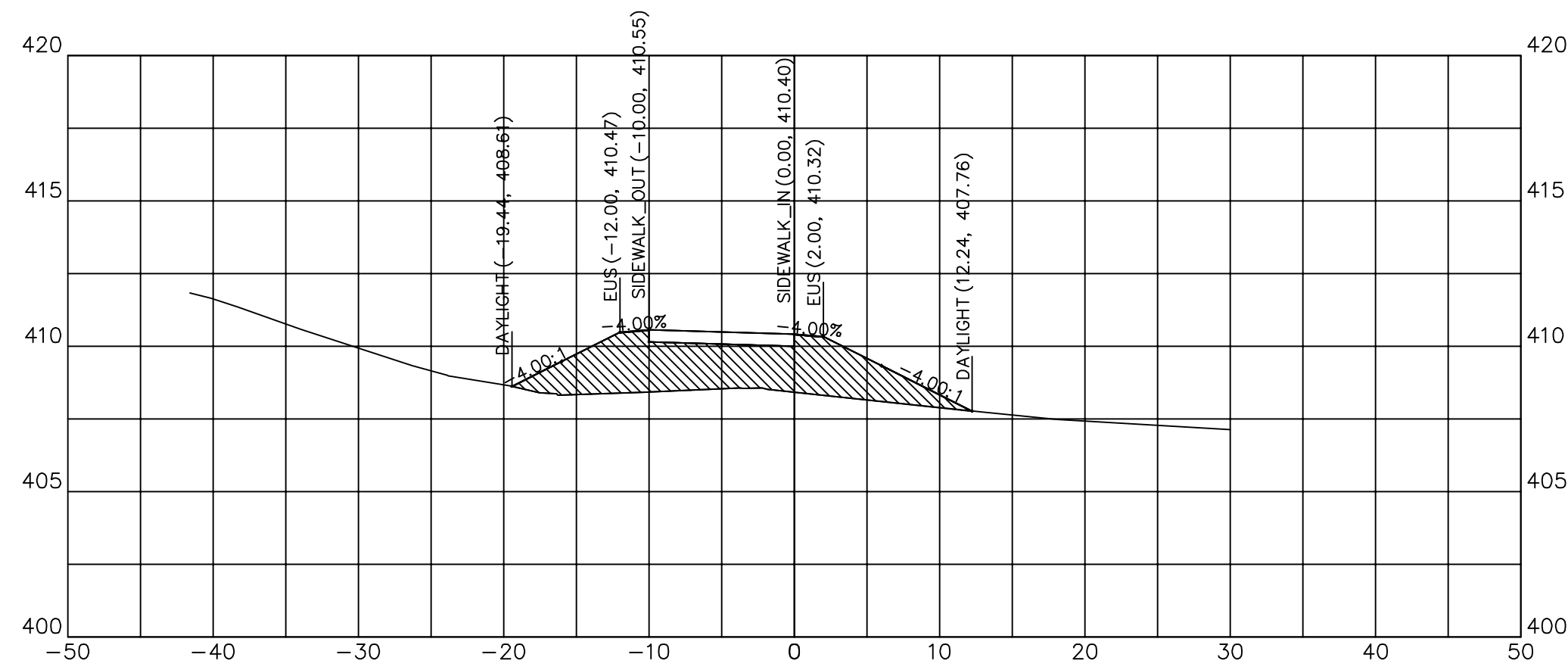
SCALE: HOR:1=10 VERT:1=5 SHEET 24 OF 36 SHEETS STA. 132+93.24 TO STA. 133+56.32

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	53
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(457)				



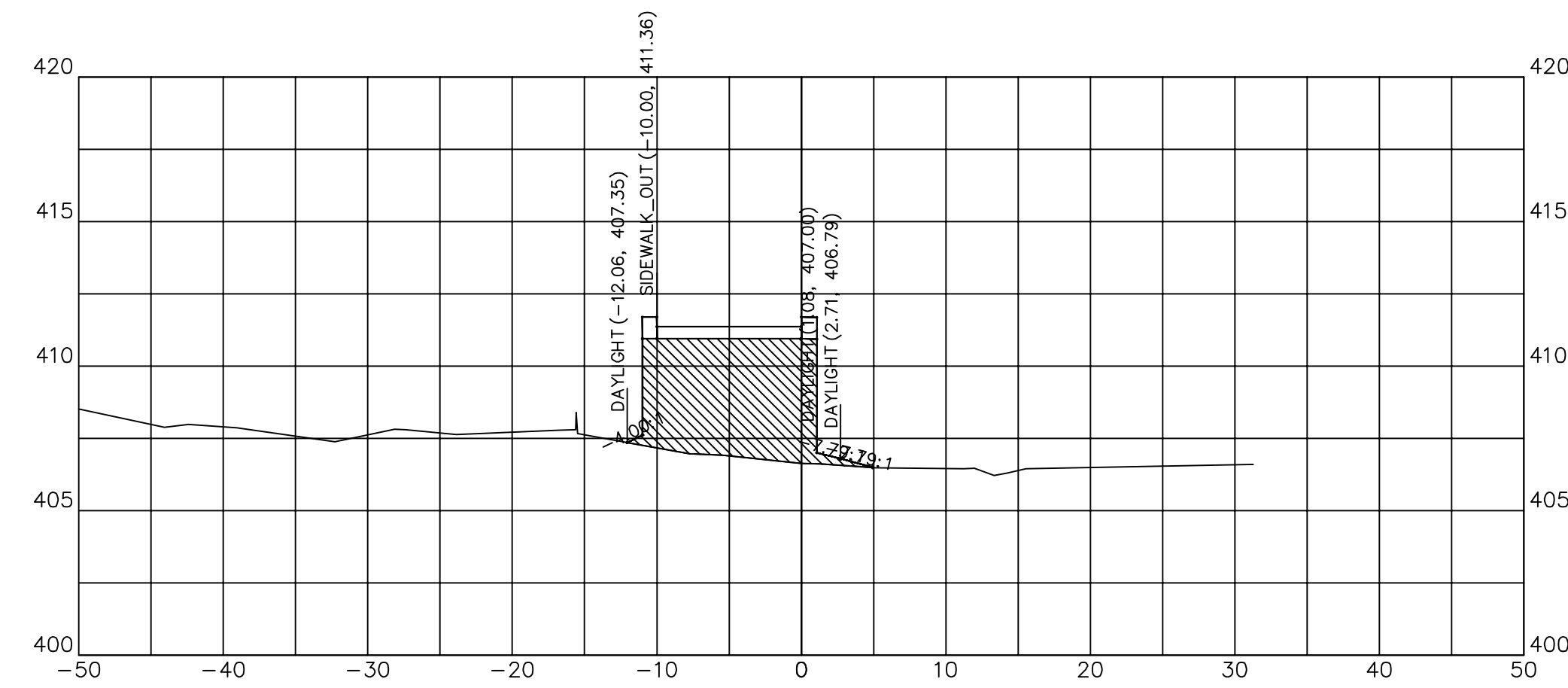






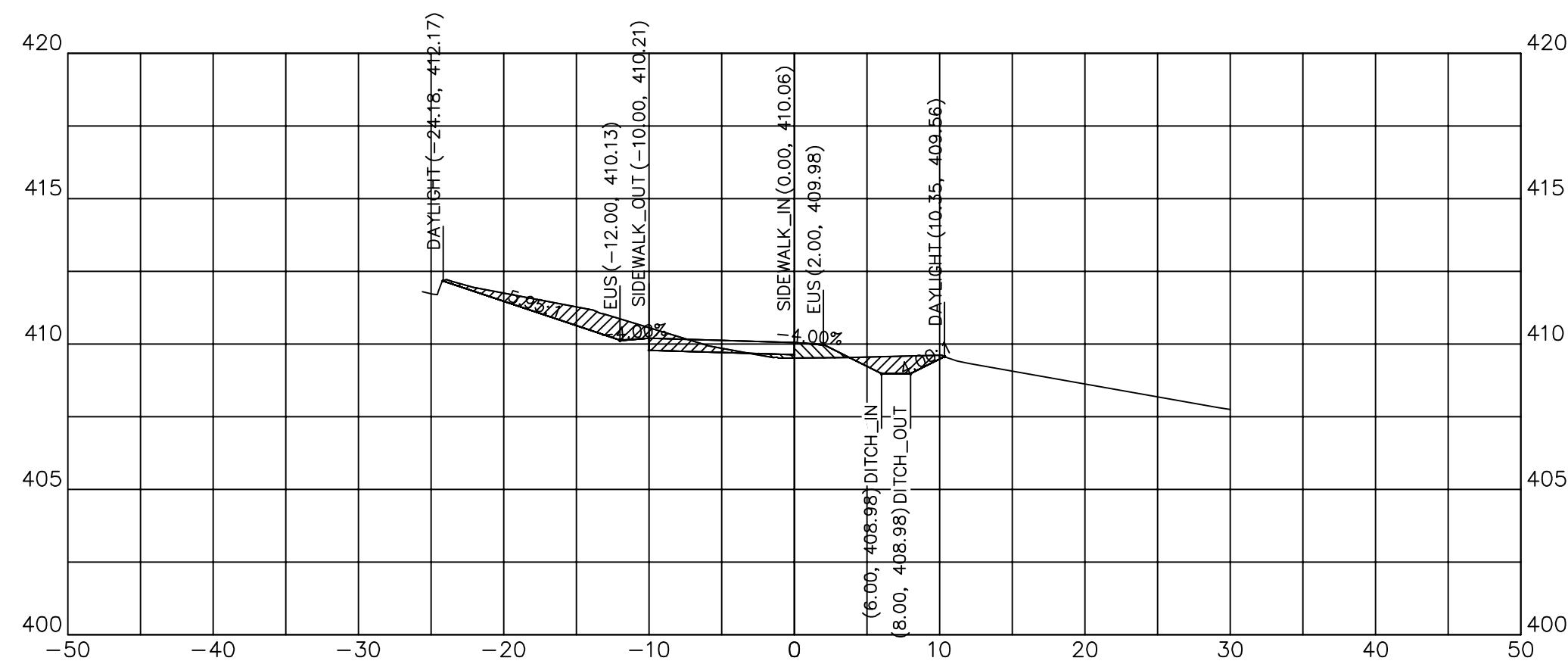
136+92.09

136+92.09	
CUT SQ FT	0.00
FILL SQ FT	42.76
CUT CU YD	4.01
FILL CU YD	15.07
CUM C CU YD	1223.23
CUM F CU YD	758.16



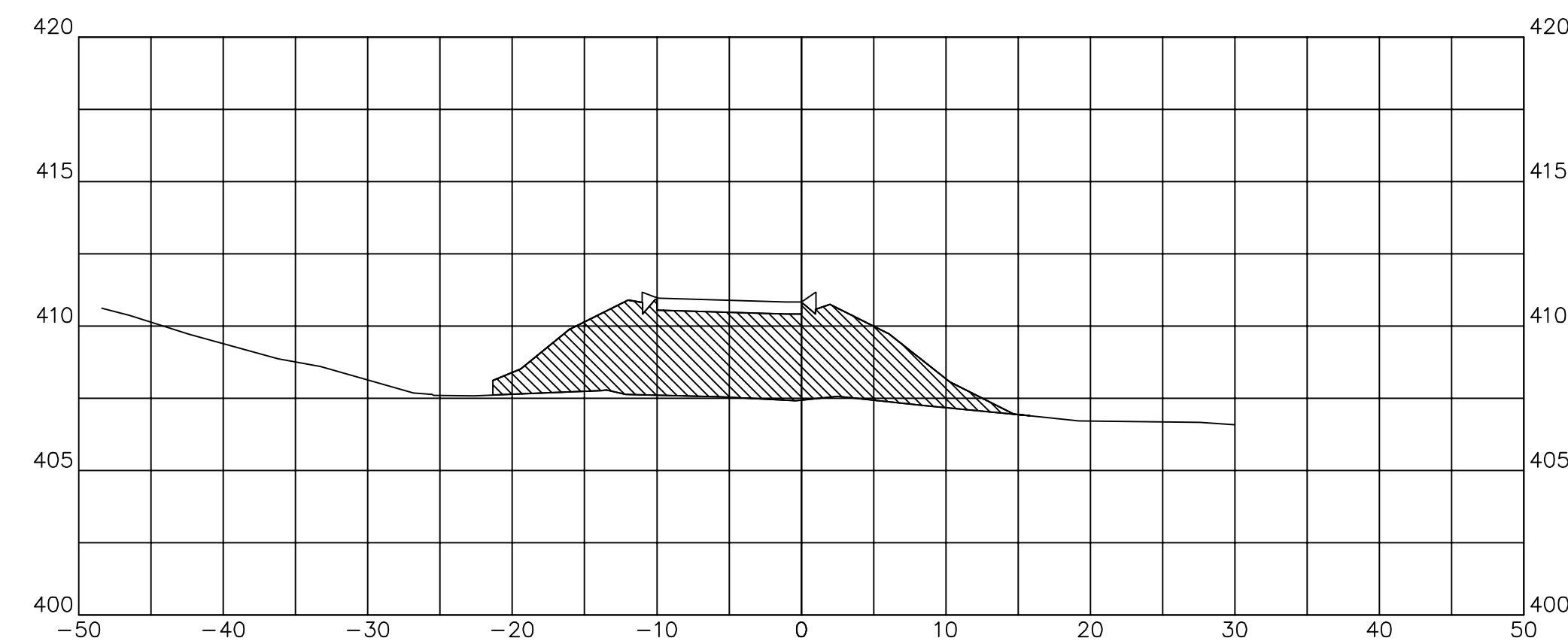
137+16.00

137+16.00	
CUT SQ FT	0.00
FILL SQ FT	50.04
CUT CU YD	0.00
FILL CU YD	31.55
CUM C CU YD	1223.23
CUM F CU YD	815.31



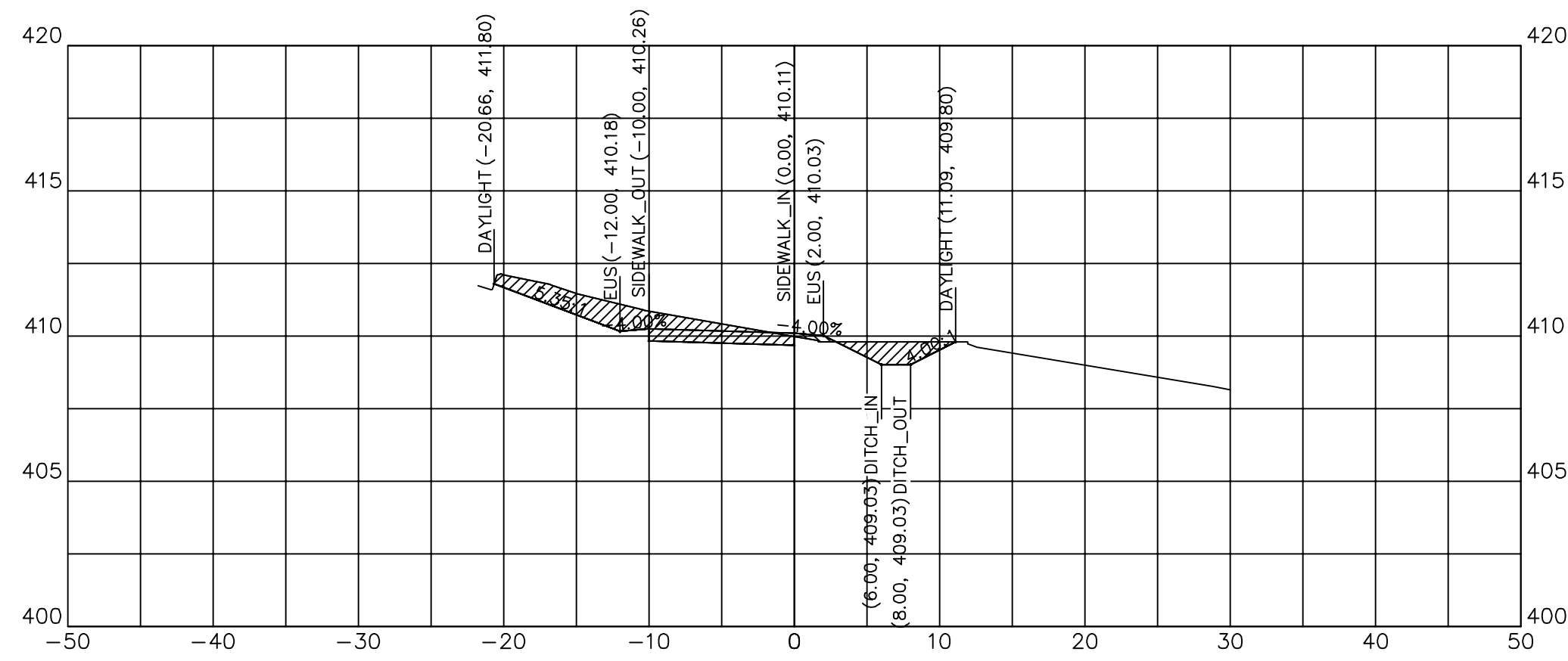
136+75.00

136+75.00	
CUT SQ FT	11.11
FILL SQ FT	1.69
CUT CU YD	3.37
FILL CU YD	0.21
CUM C CU YD	1219.22
CUM F CU YD	743.09



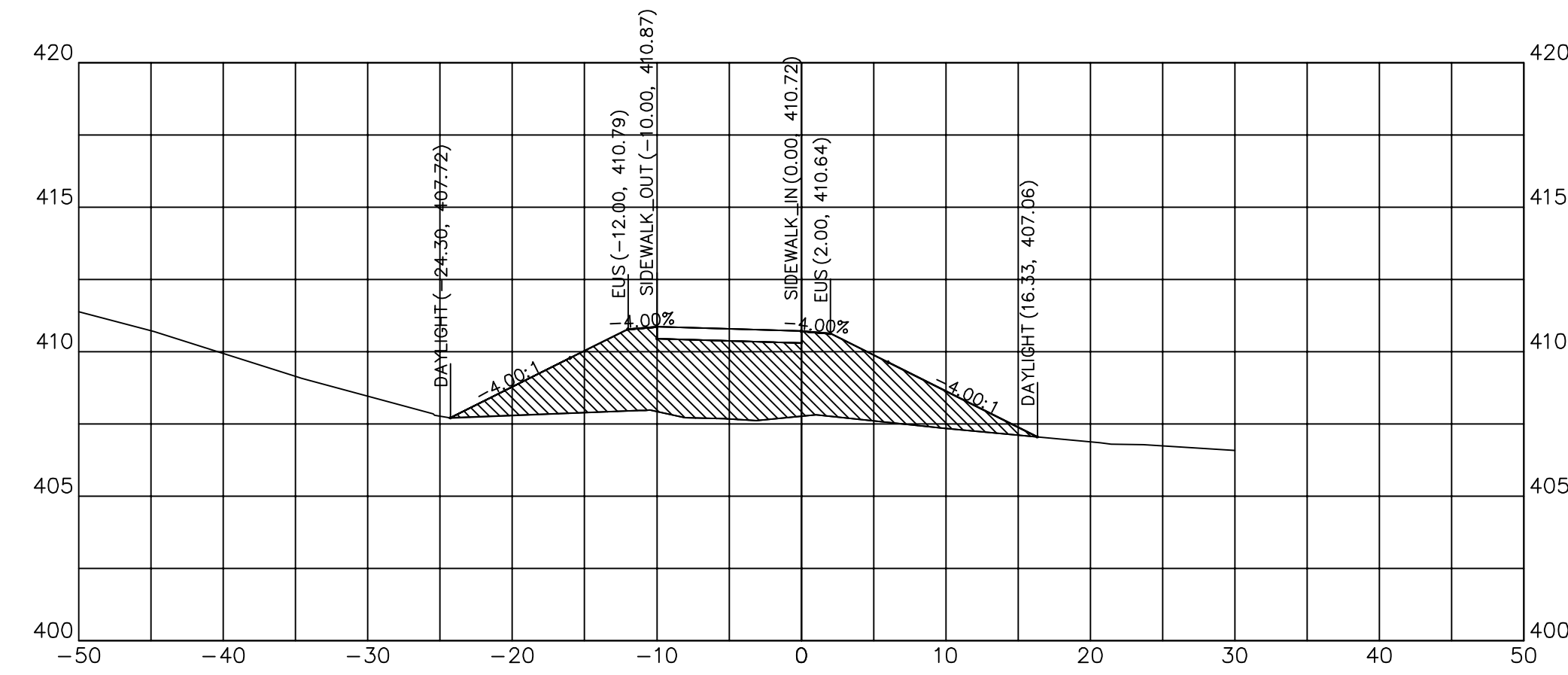
137+02.84

137+02.84	
CUT SQ FT	0.00
FILL SQ FT	79.45
CUT CU YD	0.00
FILL CU YD	8.19
CUM C CU YD	1223.23
CUM F CU YD	783.77



136+69.42

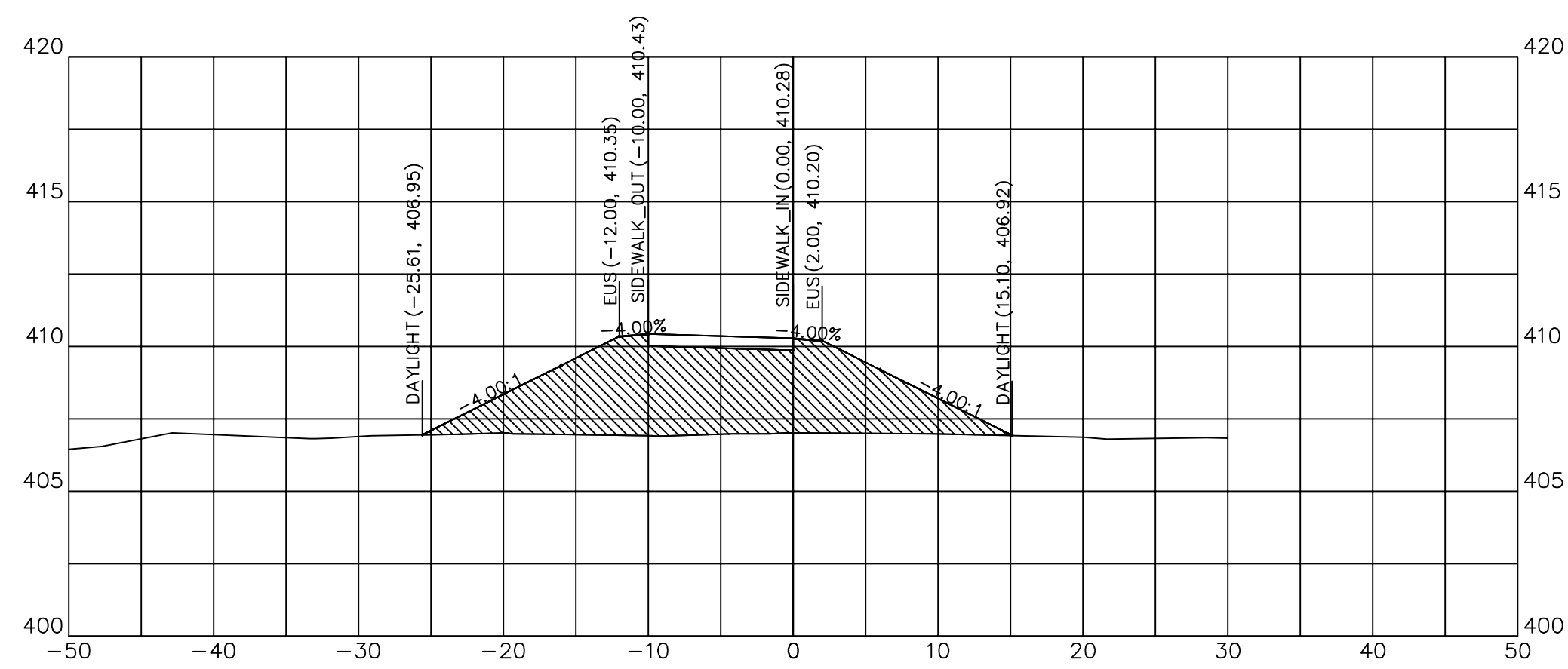
136+69.42	
CUT SQ FT	17.91
FILL SQ FT	0.41
CUT CU YD	12.98
FILL CU YD	0.15
CUM C CU YD	1215.85
CUM F CU YD	742.88



137+00.00

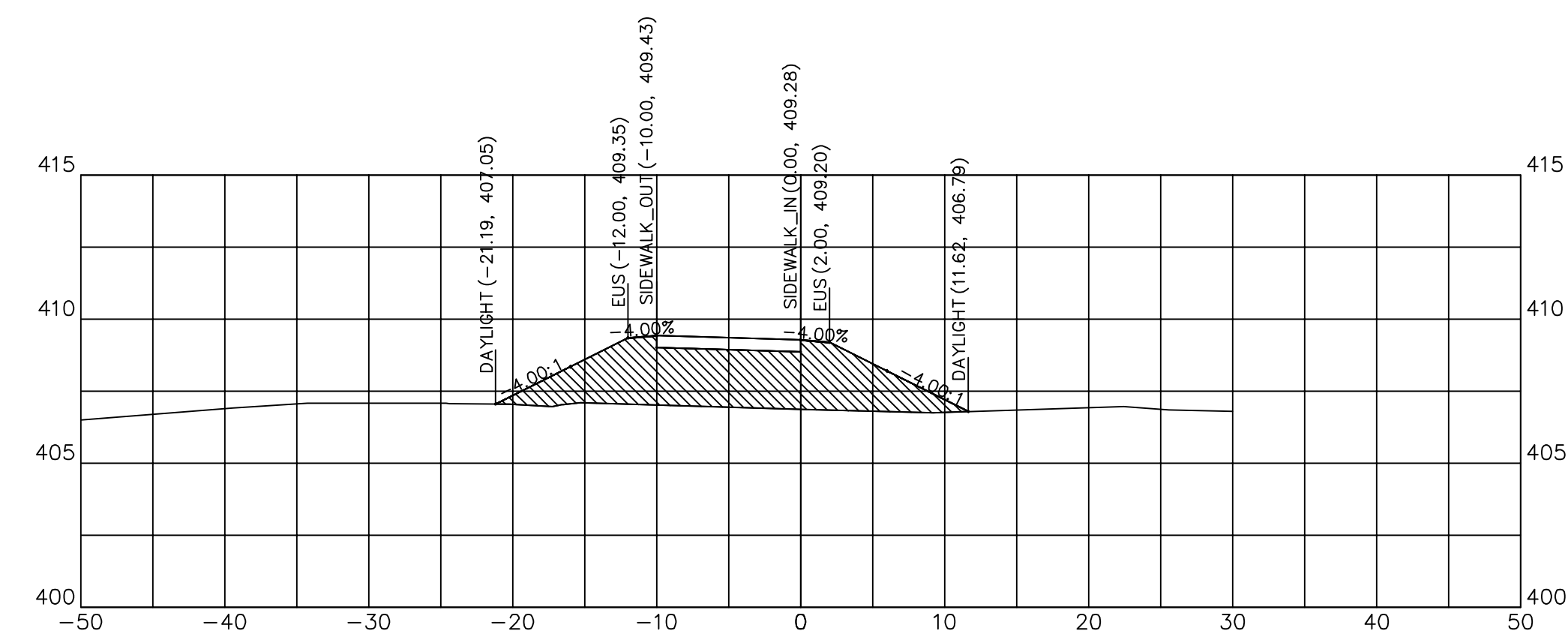
137+00.00	
CUT SQ FT	0.00
FILL SQ FT	76.12
CUT CU YD	0.00
FILL CU YD	17.41
CUM C CU YD	1223.23
CUM F CU YD	775.57





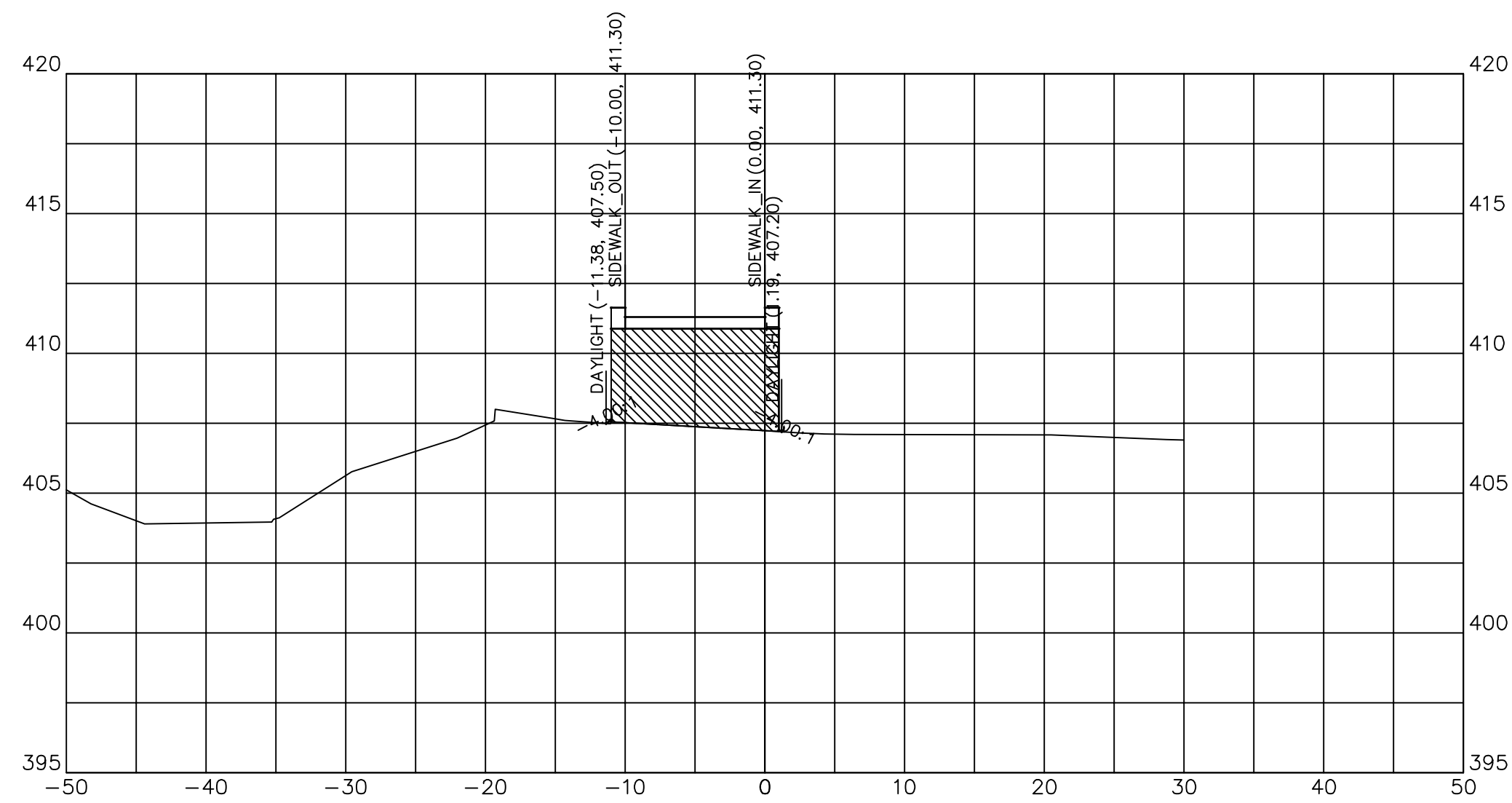
137+75.00

137+75.00	
CUT SQ FT	0.00
FILL SQ FT	86.58
CUT CU YD	0.00
FILL CU YD	37.42
CUM C CU YD	1223.23
CUM F CU YD	959.01



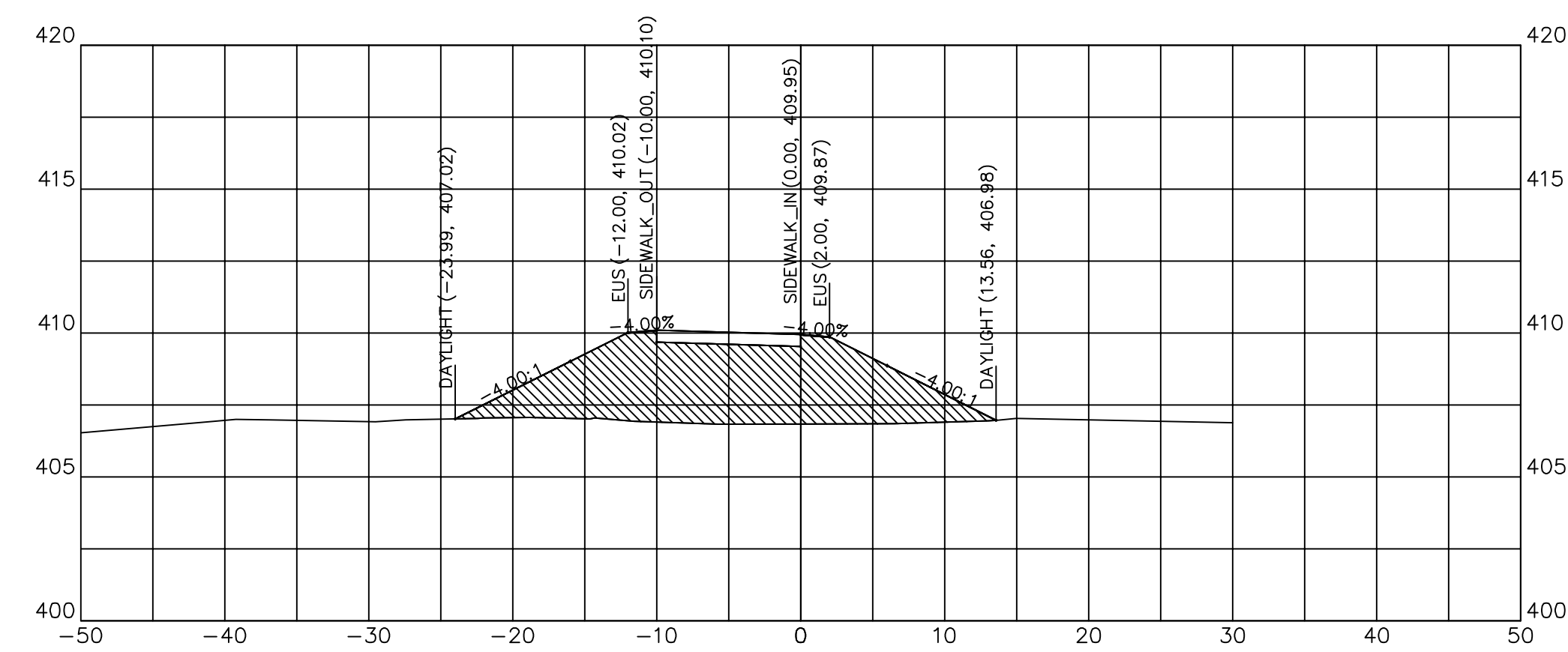
138+00.00

138+00.00	
CUT SQ FT	0.00
FILL SQ FT	51.63
CUT CU YD	0.00
FILL CU YD	36.15
CUM C CU YD	1223.23
CUM F CU YD	1019.94



137+49.54

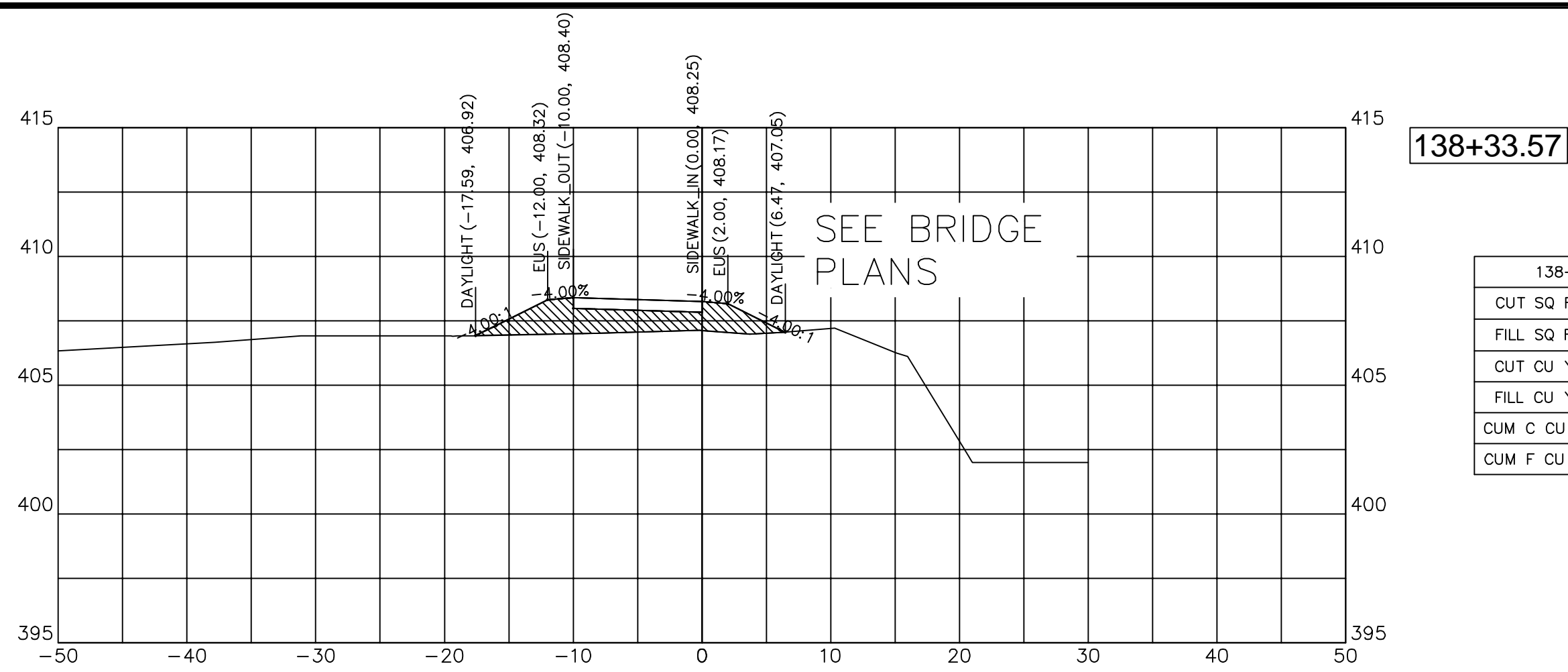
137+49.54	
CUT SQ FT	0.00
FILL SQ FT	42.04
CUT CU YD	0.00
FILL CU YD	68.84
CUM C CU YD	1223.23
CUM F CU YD	886.75



137+83.26

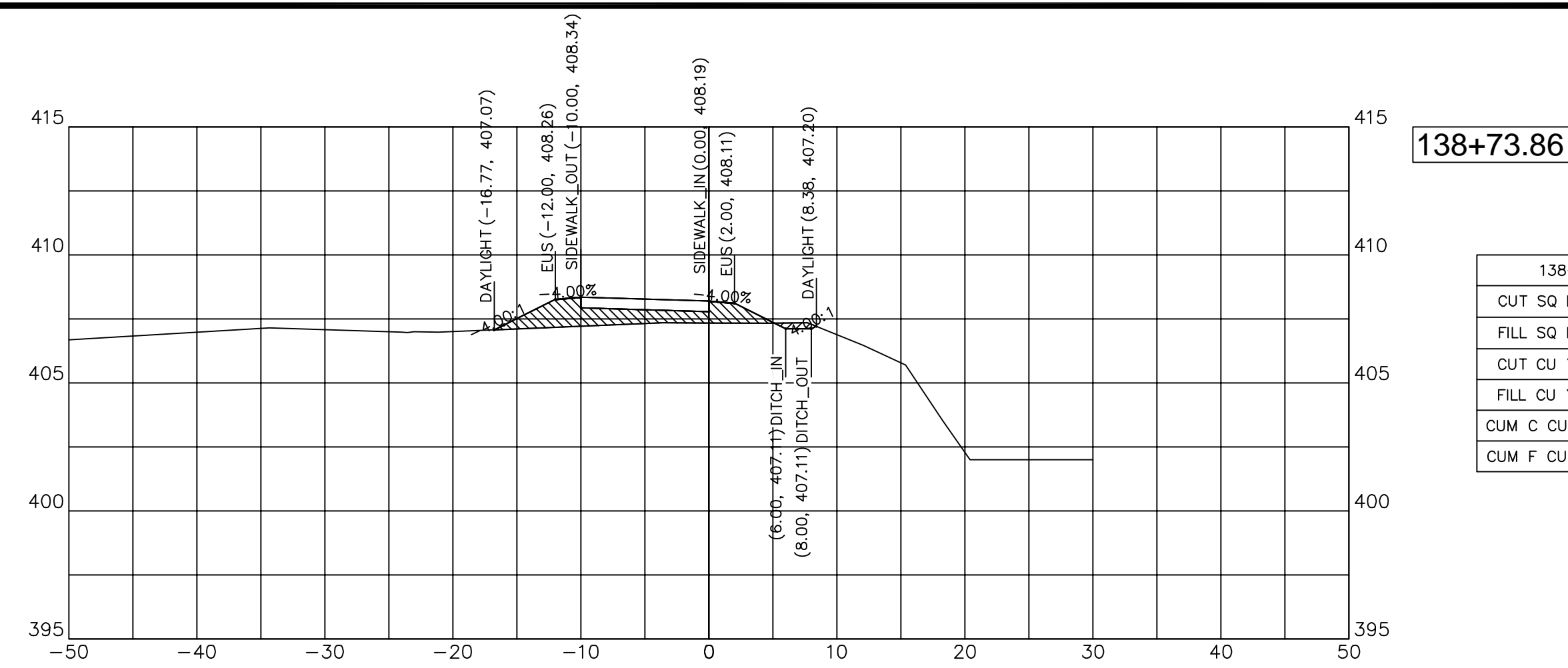
137+83.26	
CUT SQ FT	0.00
FILL SQ FT	75.41
CUT CU YD	0.00
FILL CU YD	24.79
CUM C CU YD	1223.23
CUM F CU YD	983.79





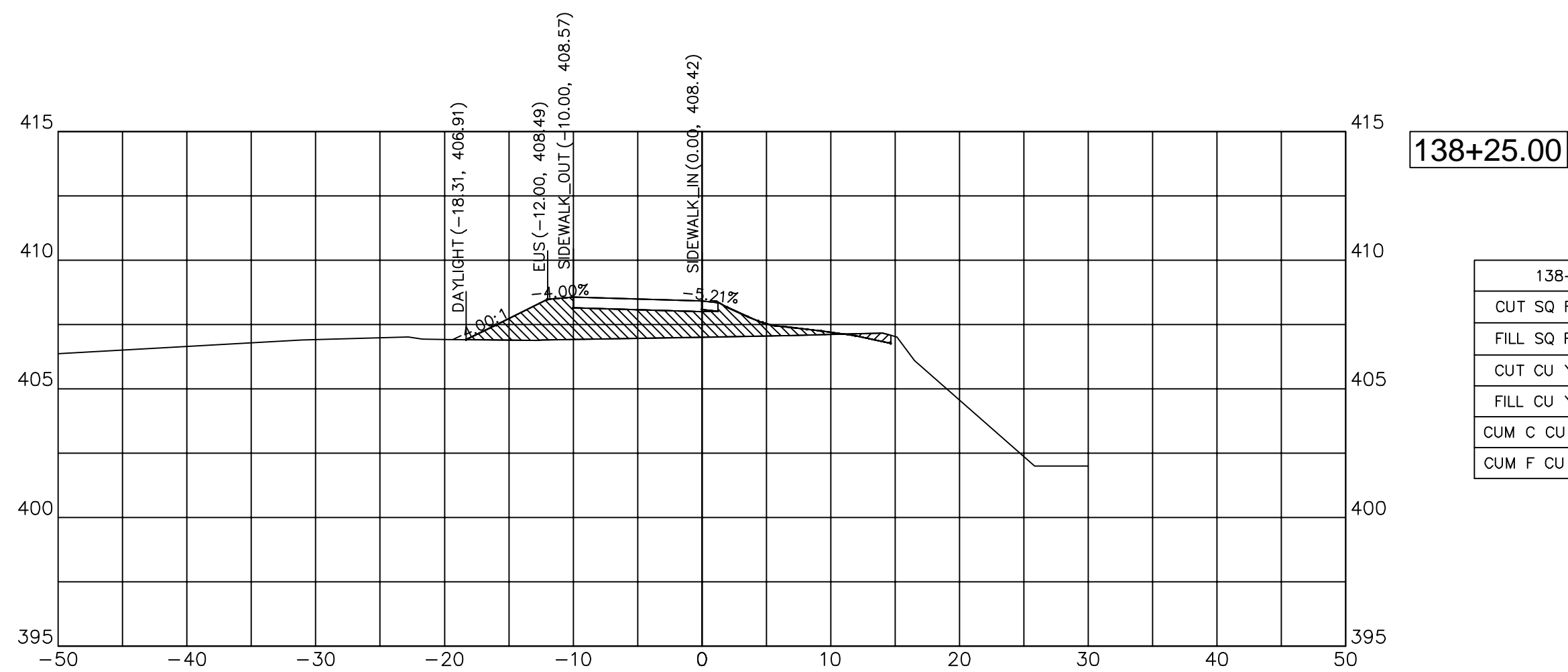
138+33.57

138+33.57	
CUT SQ FT	0.00
FILL SQ FT	19.85
CUT CU YD	0.13
FILL CU YD	6.50
CUM C CU YD	1224.09
CUM F CU YD	1058.13



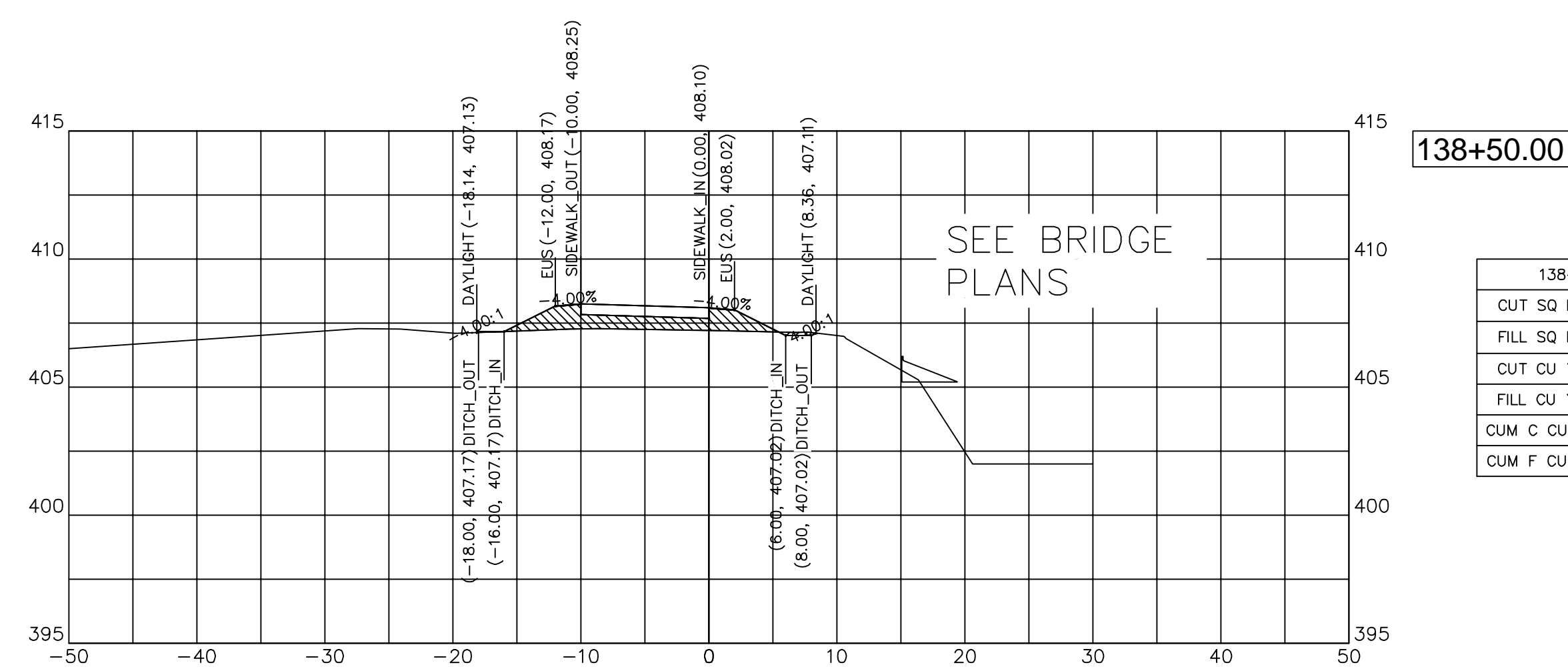
138+73.86

138+73.86	
CUT SQ FT	0.59
FILL SQ FT	13.17
CUT CU YD	0.39
FILL CU YD	11.41
CUM C CU YD	1224.57
CUM F CU YD	1079.44



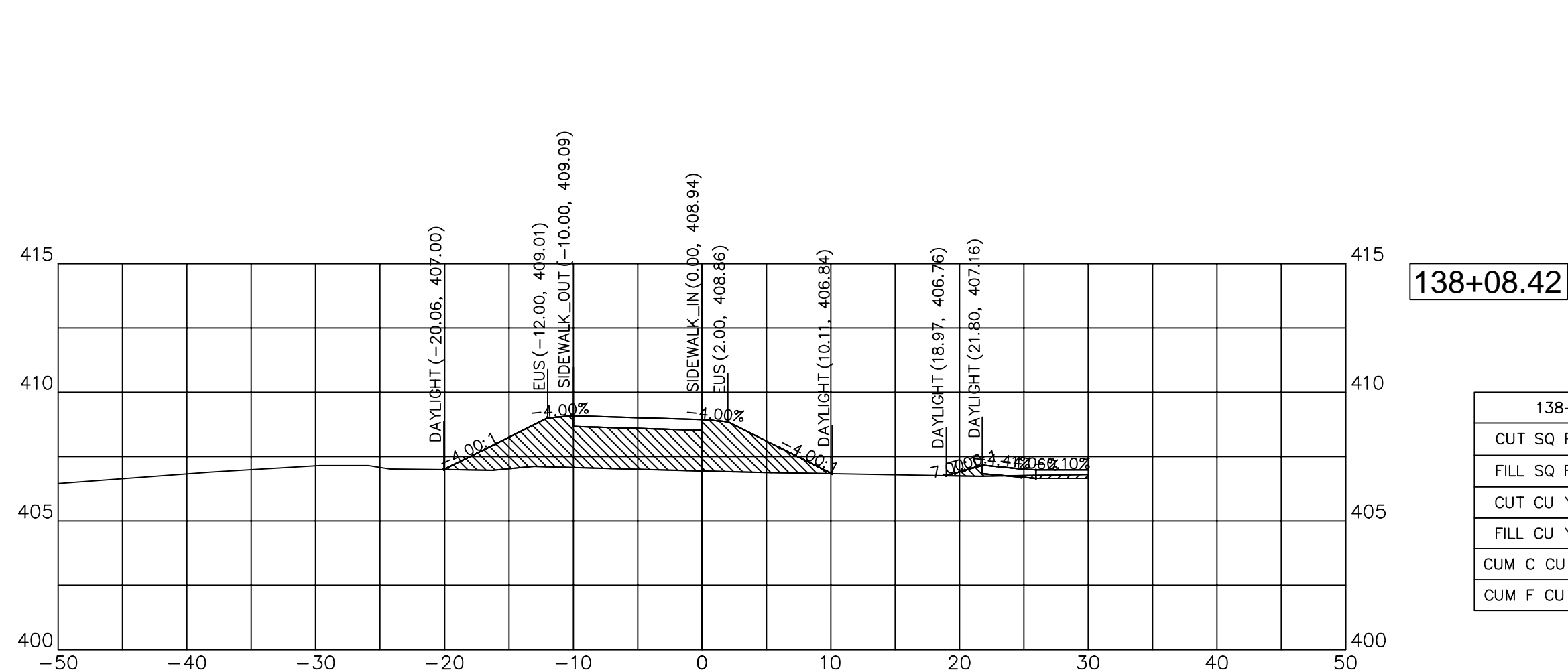
138+25.00

138+25.00	
CUT SQ FT	0.69
FILL SQ FT	25.45
CUT CU YD	0.57
FILL CU YD	18.49
CUM C CU YD	1223.96
CUM F CU YD	1051.63



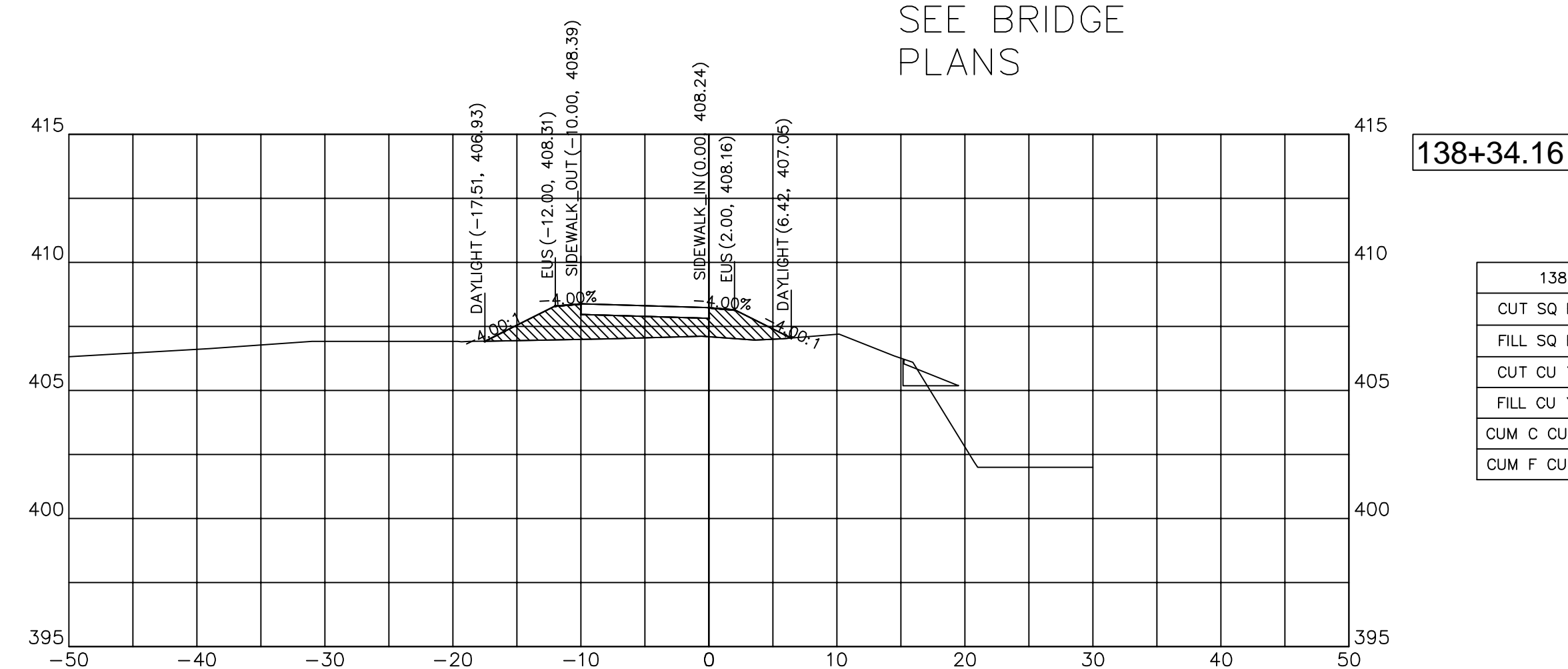
138+50.00

138+50.00	
CUT SQ FT	0.31
FILL SQ FT	11.88
CUT CU YD	0.09
FILL CU YD	9.47
CUM C CU YD	1224.18
CUM F CU YD	1068.03



138+08.42

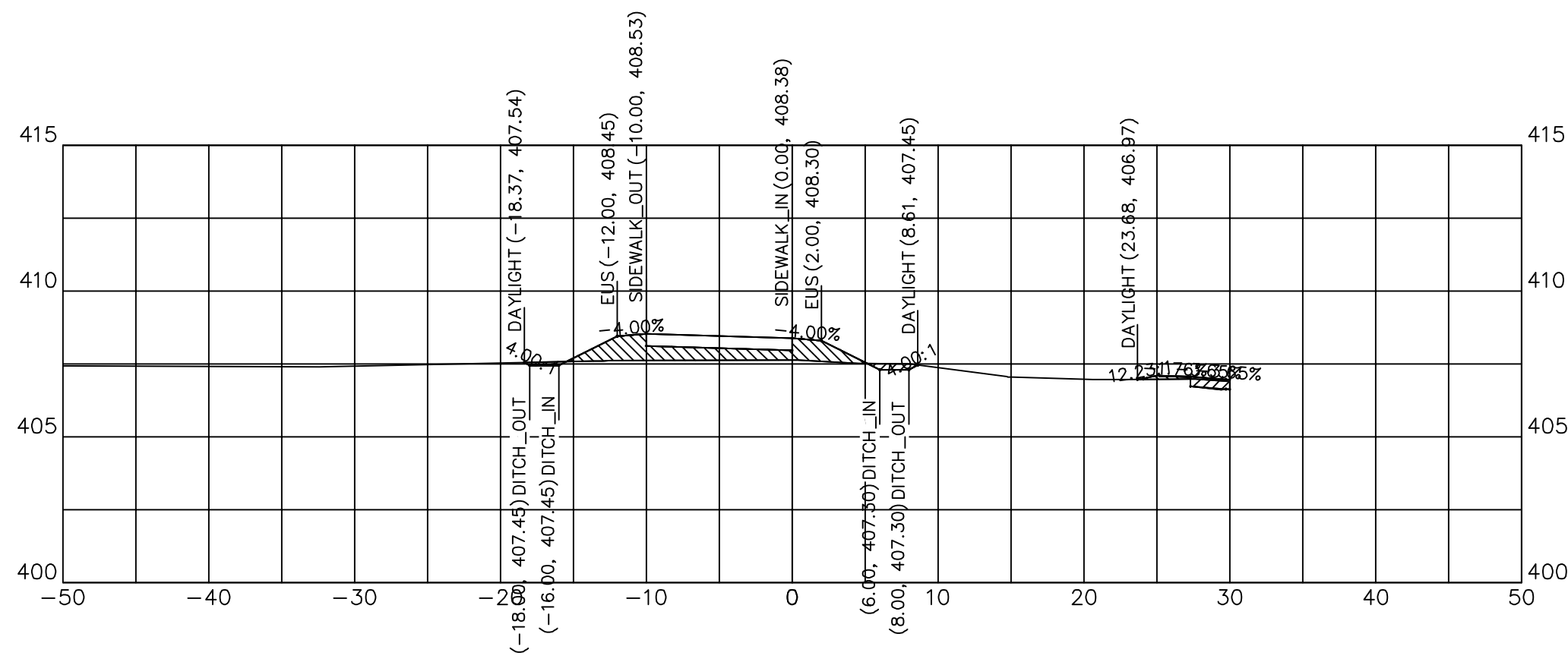
138+08.42	
CUT SQ FT	0.69
FILL SQ FT	40.22
CUT CU YD	0.16
FILL CU YD	13.20
CUM C CU YD	1223.39
CUM F CU YD	1033.14



138+34.16

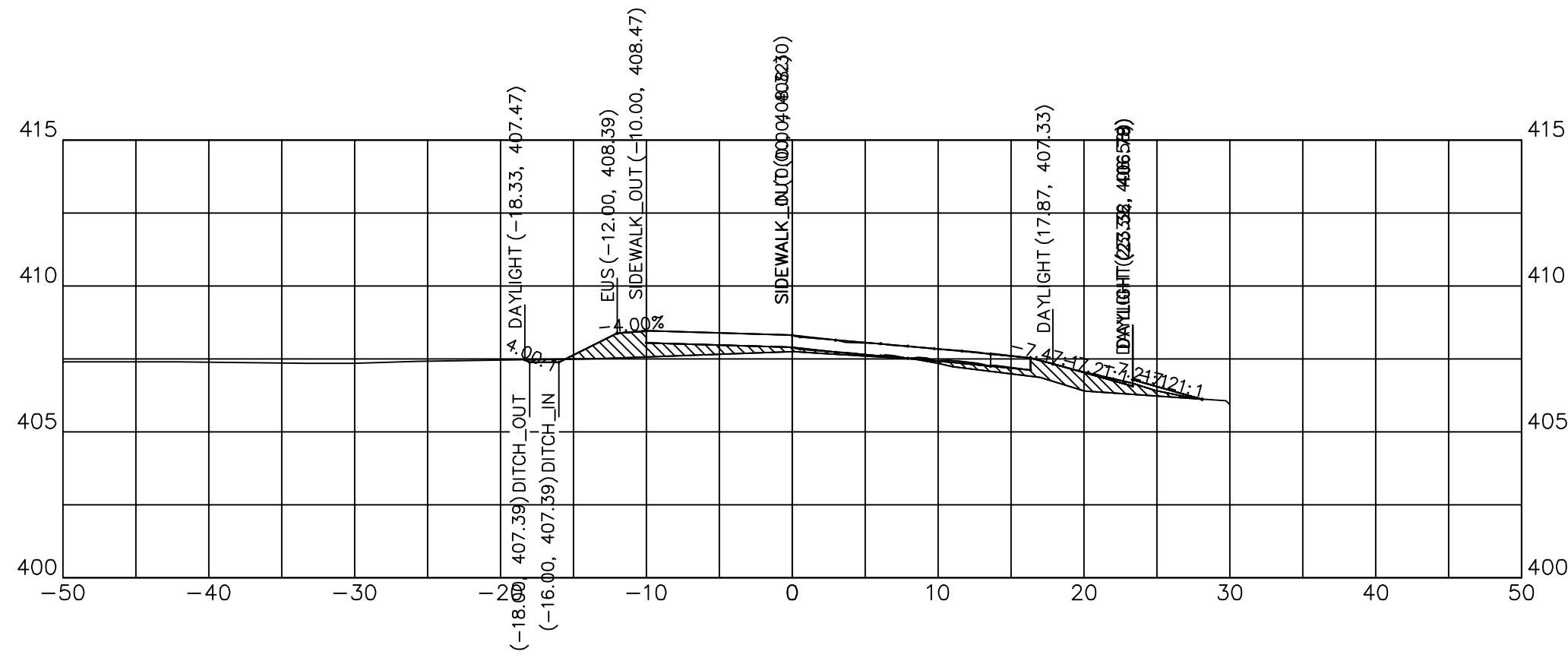
138+34.16	
CUT SQ FT	0.00
FILL SQ FT	19.49
CUT CU YD	0.00
FILL CU YD	0.43
CUM C CU YD	1224.09
CUM F CU YD	1058.56





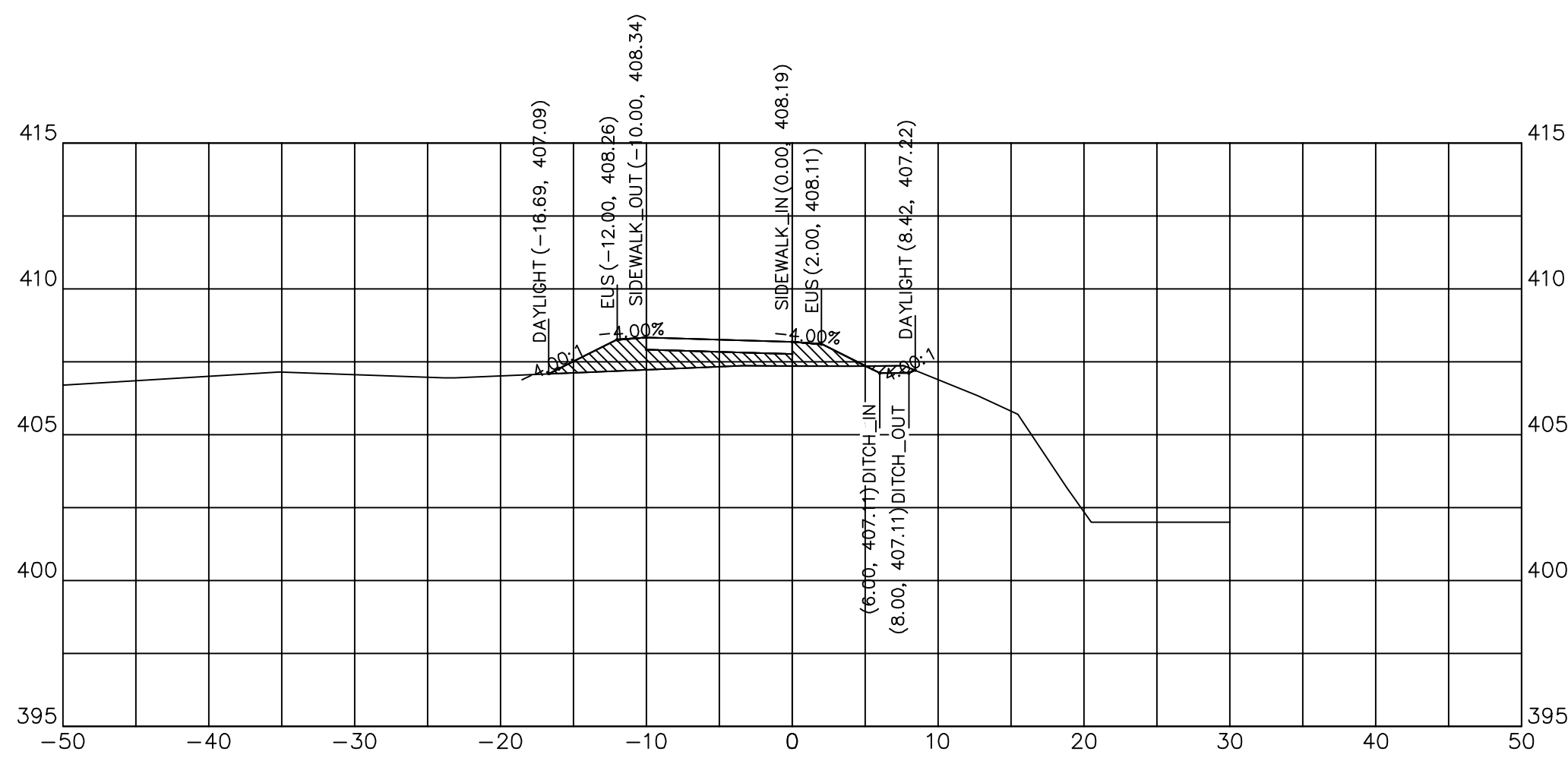
139+13.55

139+13.55	
CUT SQ FT	1.57
FILL SQ FT	10.26
CUT CU YD	0.43
FILL CU YD	5.86
CUM C CU YD	1225.43
CUM F CU YD	1097.87



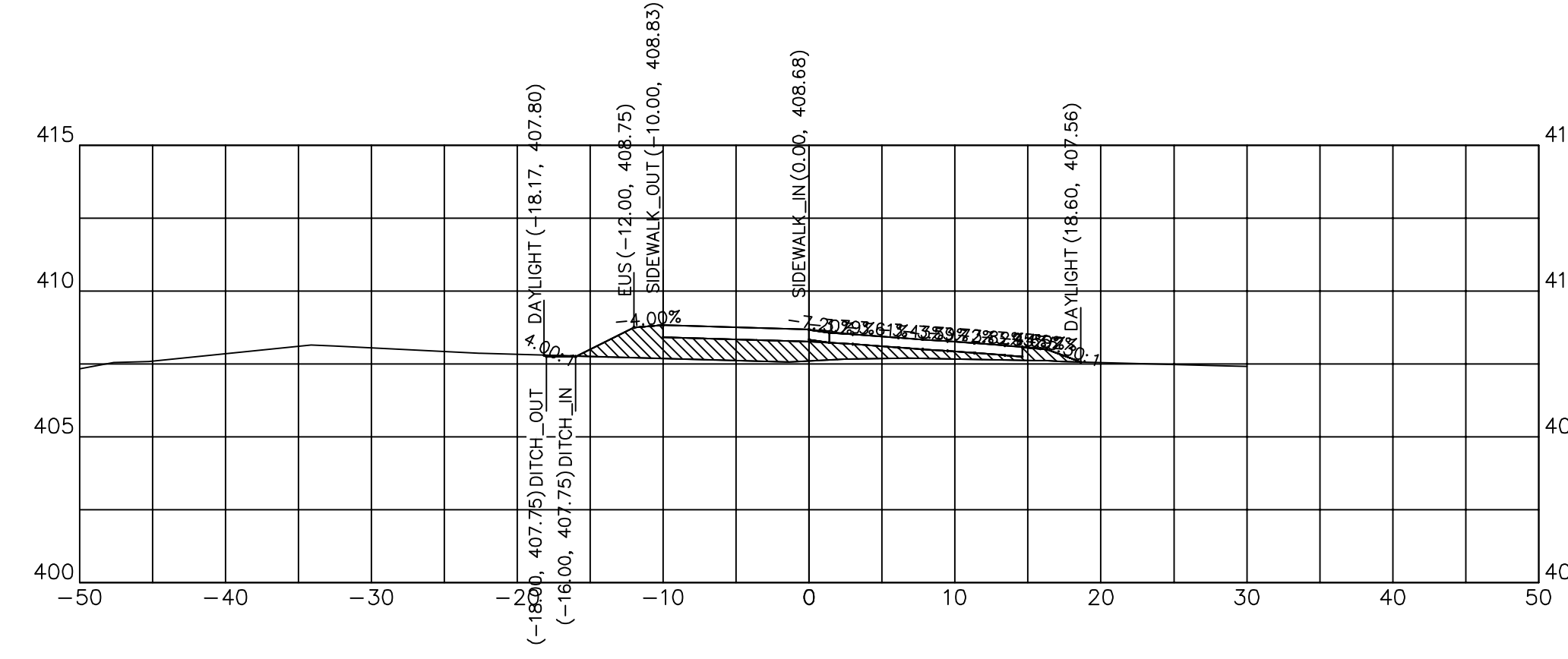
139+00.00

139+00.00	
CUT SQ FT	0.22
FILL SQ FT	13.13
CUT CU YD	0.41
FILL CU YD	12.03
CUM C CU YD	1225.01
CUM F CU YD	1092.01



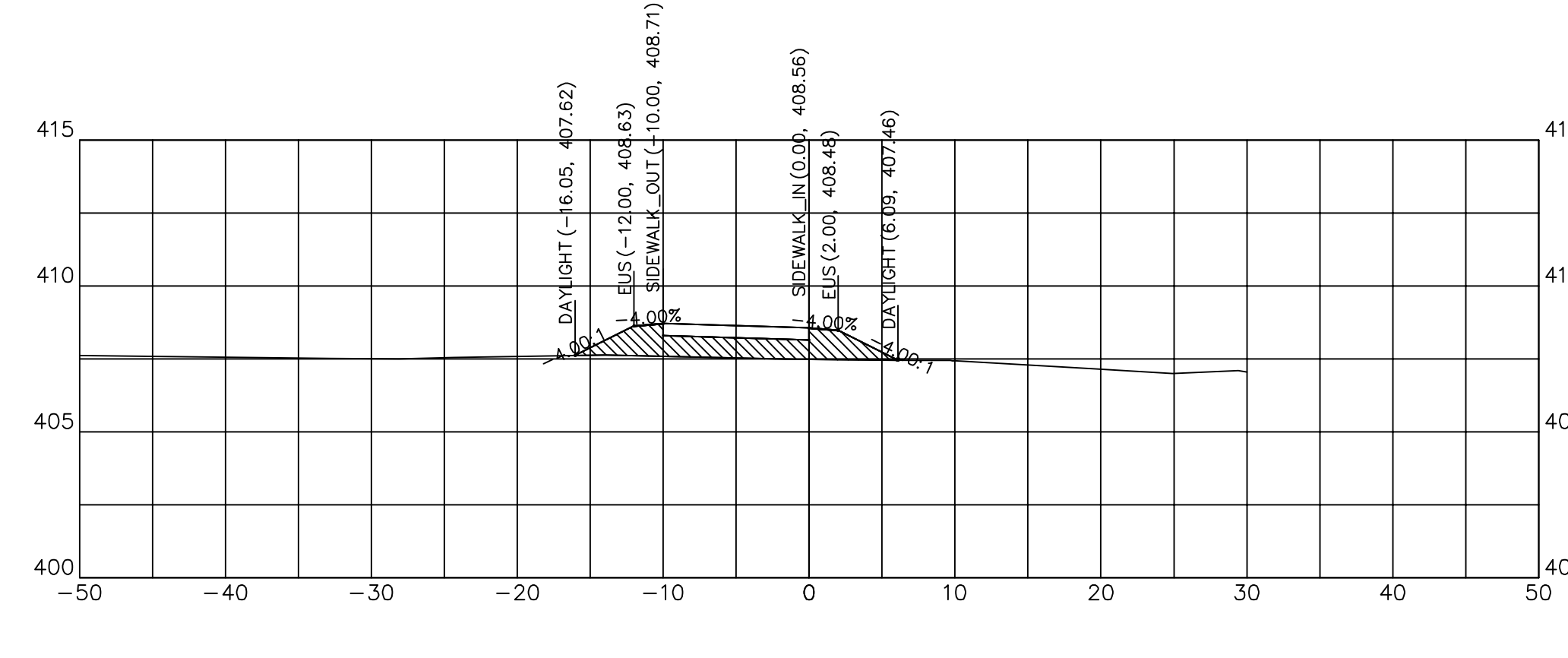
138+75.00

138+75.00	
CUT SQ FT	0.68
FILL SQ FT	12.73
CUT CU YD	0.03
FILL CU YD	0.55
CUM C CU YD	1224.59
CUM F CU YD	1079.99



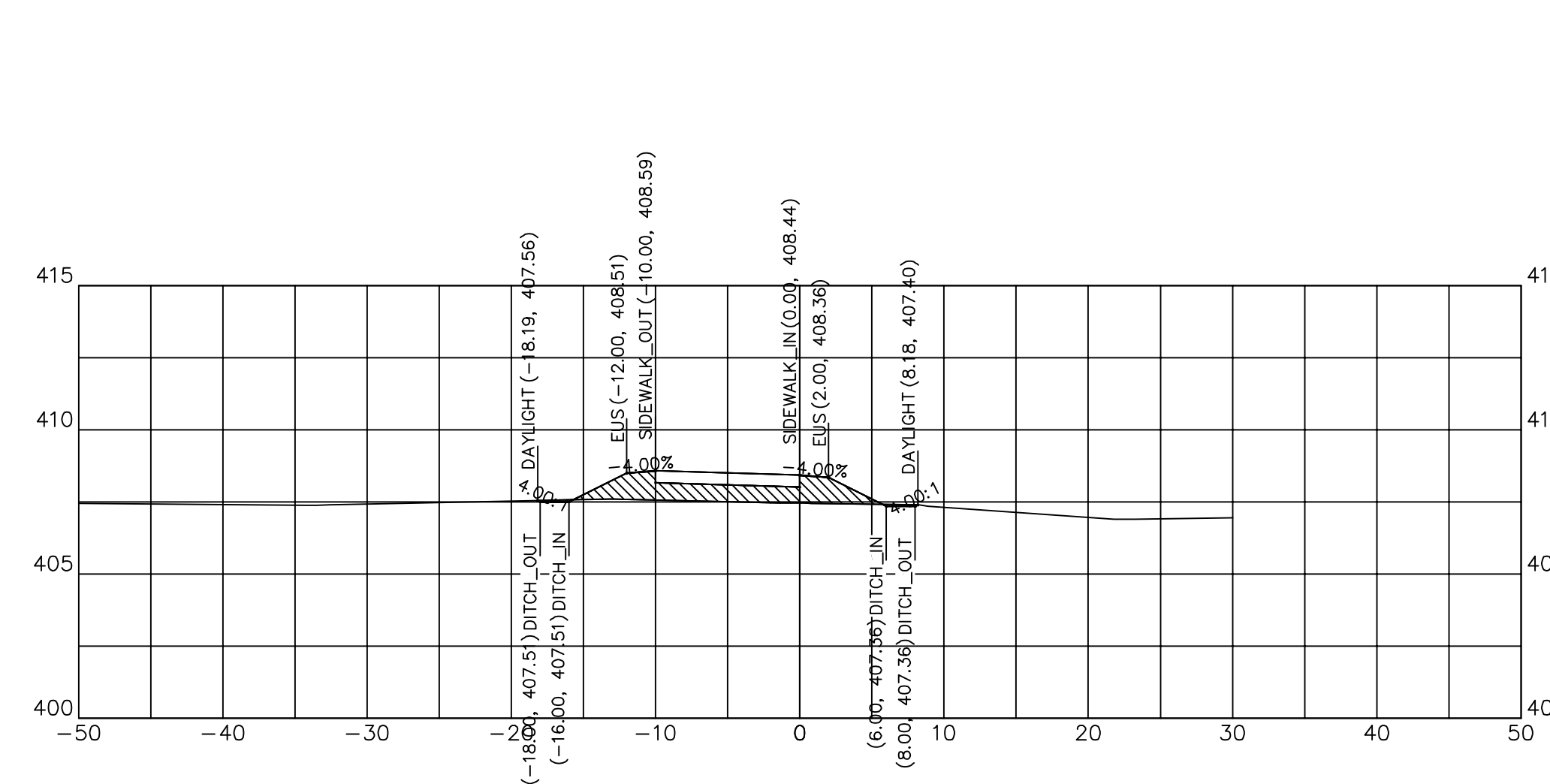
139+75.00

139+75.00	
CUT SQ FT	0.06
FILL SQ FT	17.79
CUT CU YD	0.03
FILL CU YD	15.24
CUM C CU YD	1225.97
CUM F CU YD	1131.01



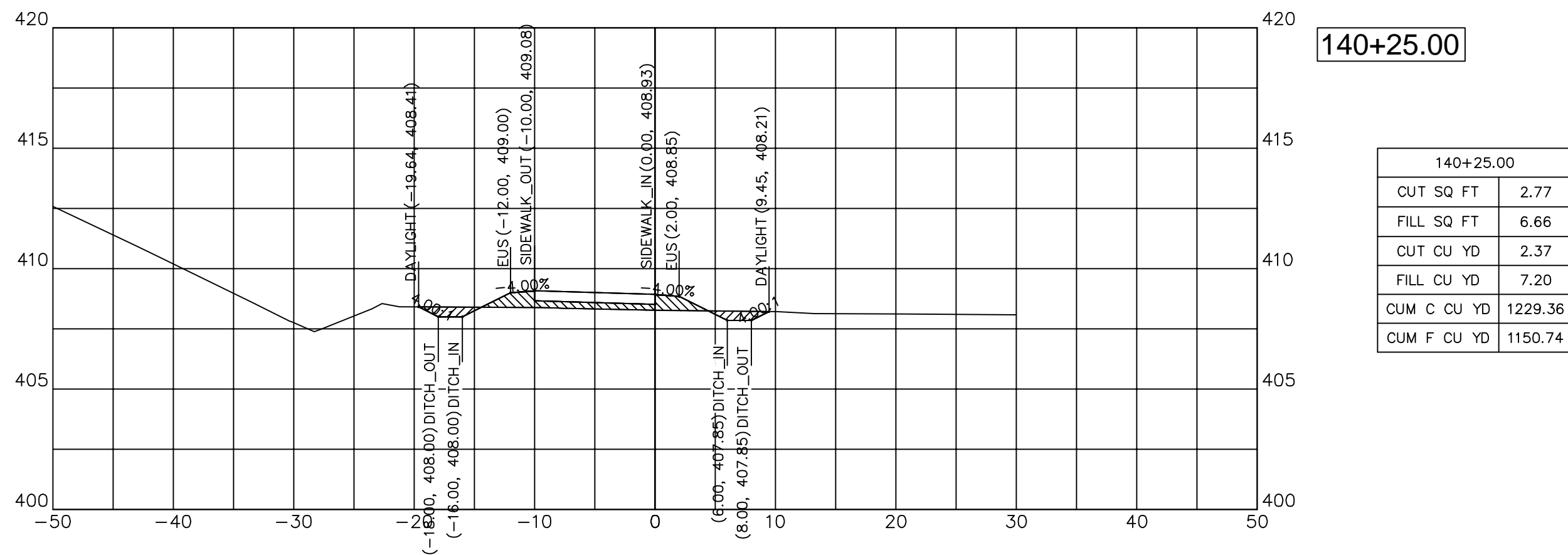
139+50.00

139+50.00	
CUT SQ FT	0.00
FILL SQ FT	15.13
CUT CU YD	0.12
FILL CU YD	12.98
CUM C CU YD	1225.94
CUM F CU YD	1115.77

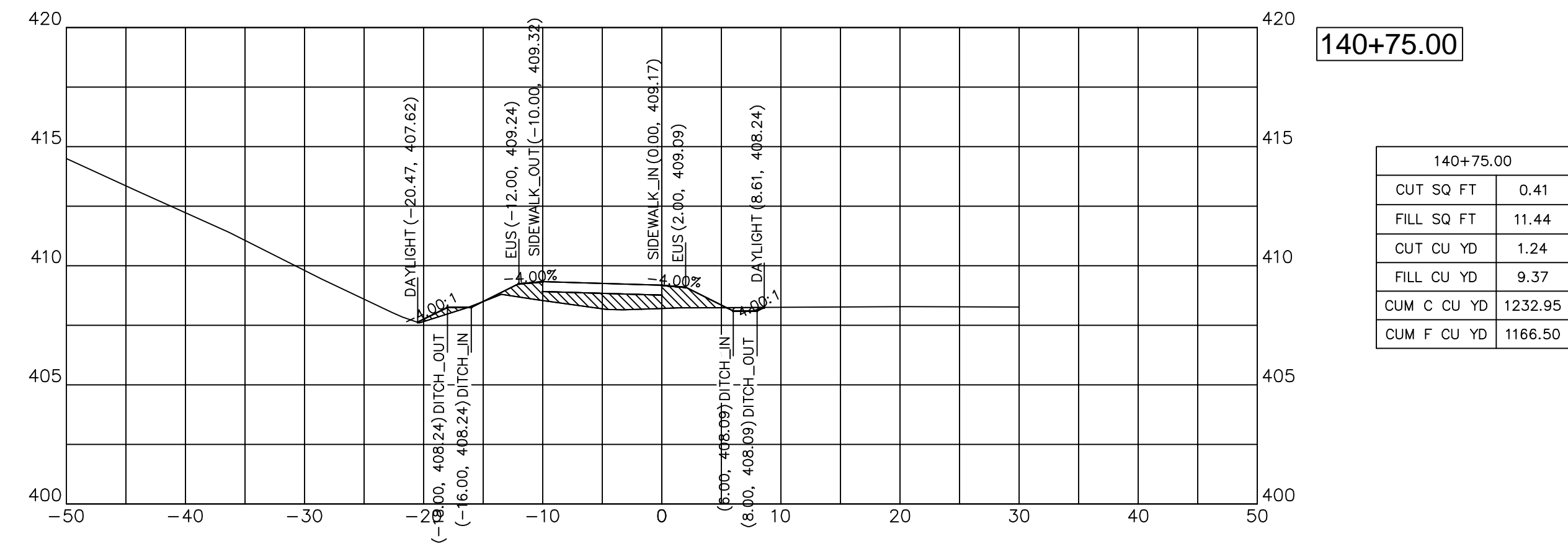


139+25.00

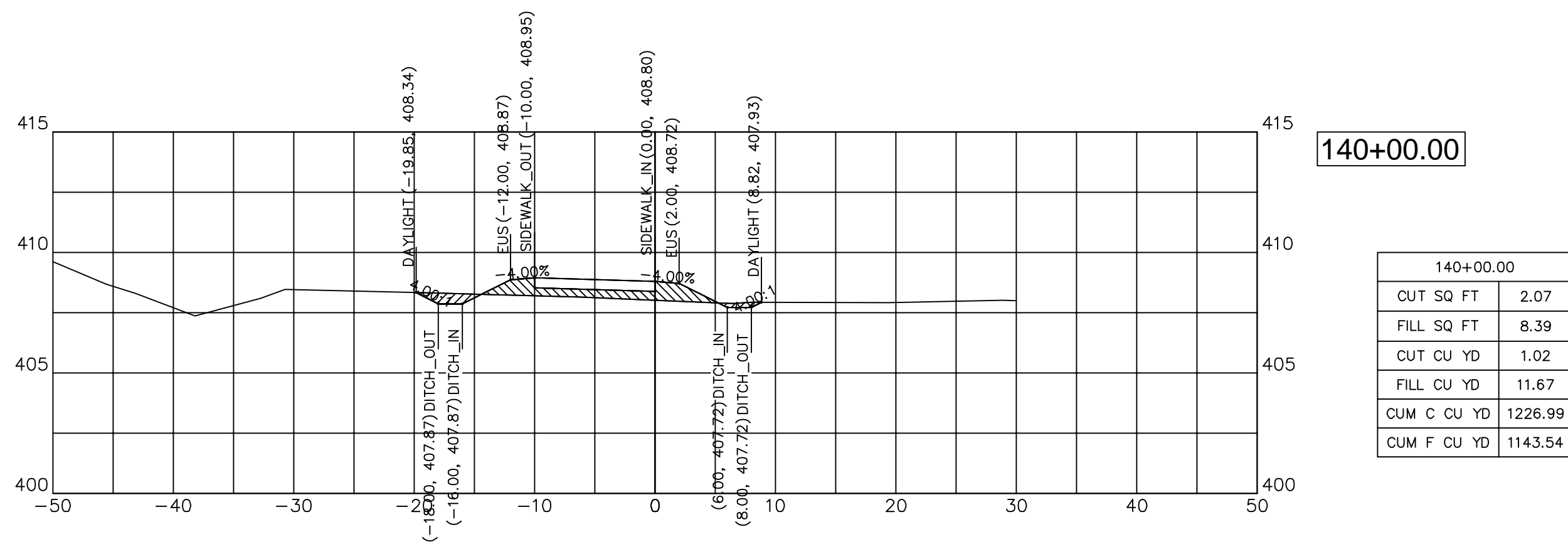
139+25.00	
CUT SQ FT	0.26
FILL SQ FT	12.91
CUT CU YD	0.39
FILL CU YD	4.91
CUM C CU YD	1225.82
CUM F CU YD	1102.78



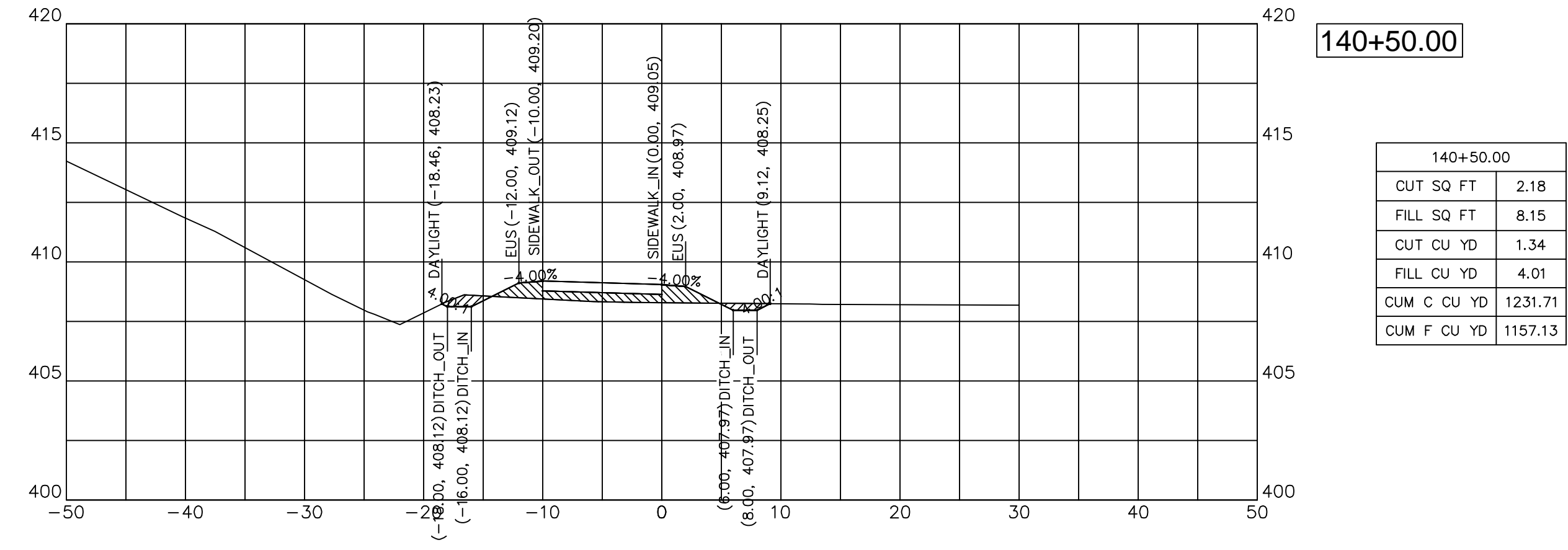
140+25.00	
CUT SQ FT	2.77
FILL SQ FT	6.66
CUT CU YD	2.37
FILL CU YD	7.20
CUM C CU YD	1229.36
CUM F CU YD	1150.74



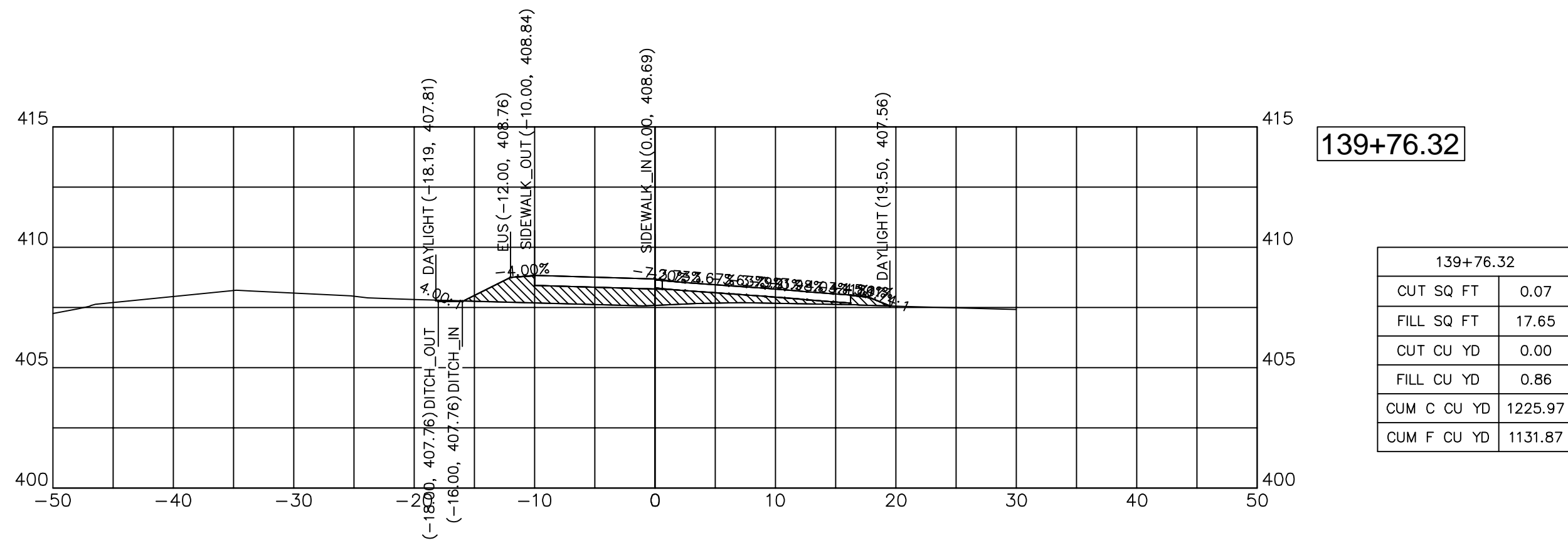
140+75.00	
CUT SQ FT	0.41
FILL SQ FT	11.44
CUT CU YD	1.24
FILL CU YD	9.37
CUM C CU YD	1232.95
CUM F CU YD	1166.50



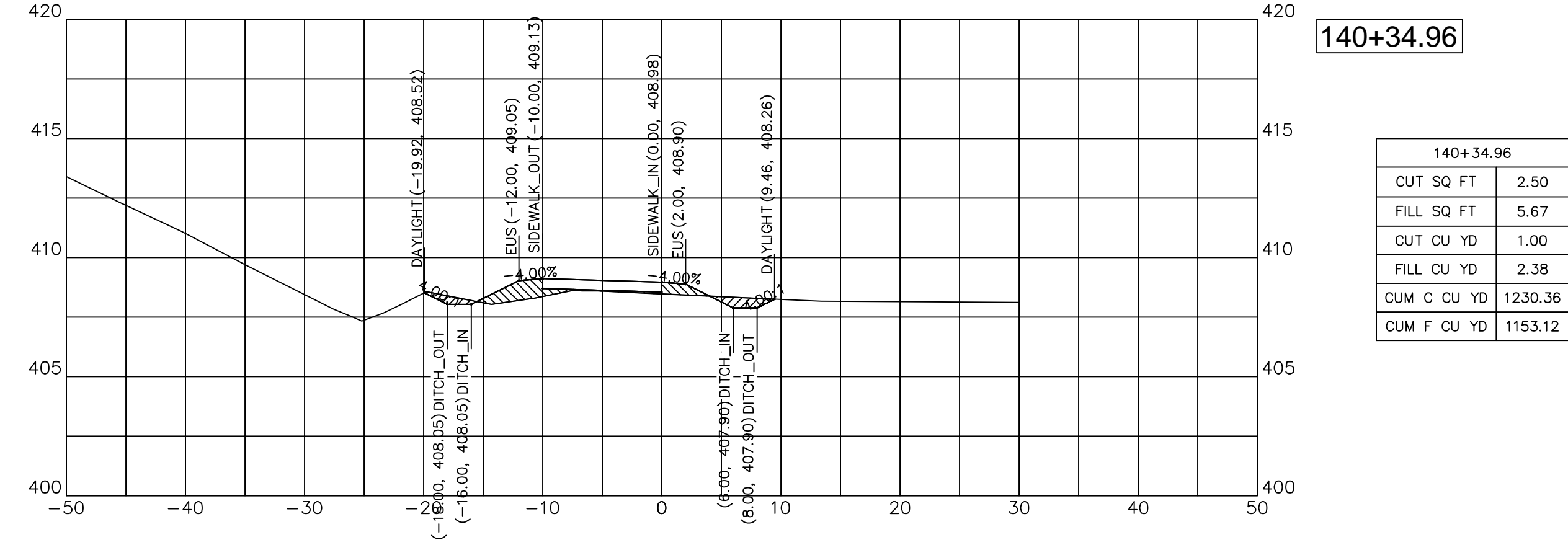
140+00.00	
CUT SQ FT	2.07
FILL SQ FT	8.39
CUT CU YD	1.02
FILL CU YD	11.67
CUM C CU YD	1226.99
CUM F CU YD	1143.54



140+50.00	
CUT SQ FT	2.18
FILL SQ FT	8.15
CUT CU YD	1.34
FILL CU YD	4.01
CUM C CU YD	1231.71
CUM F CU YD	1157.13

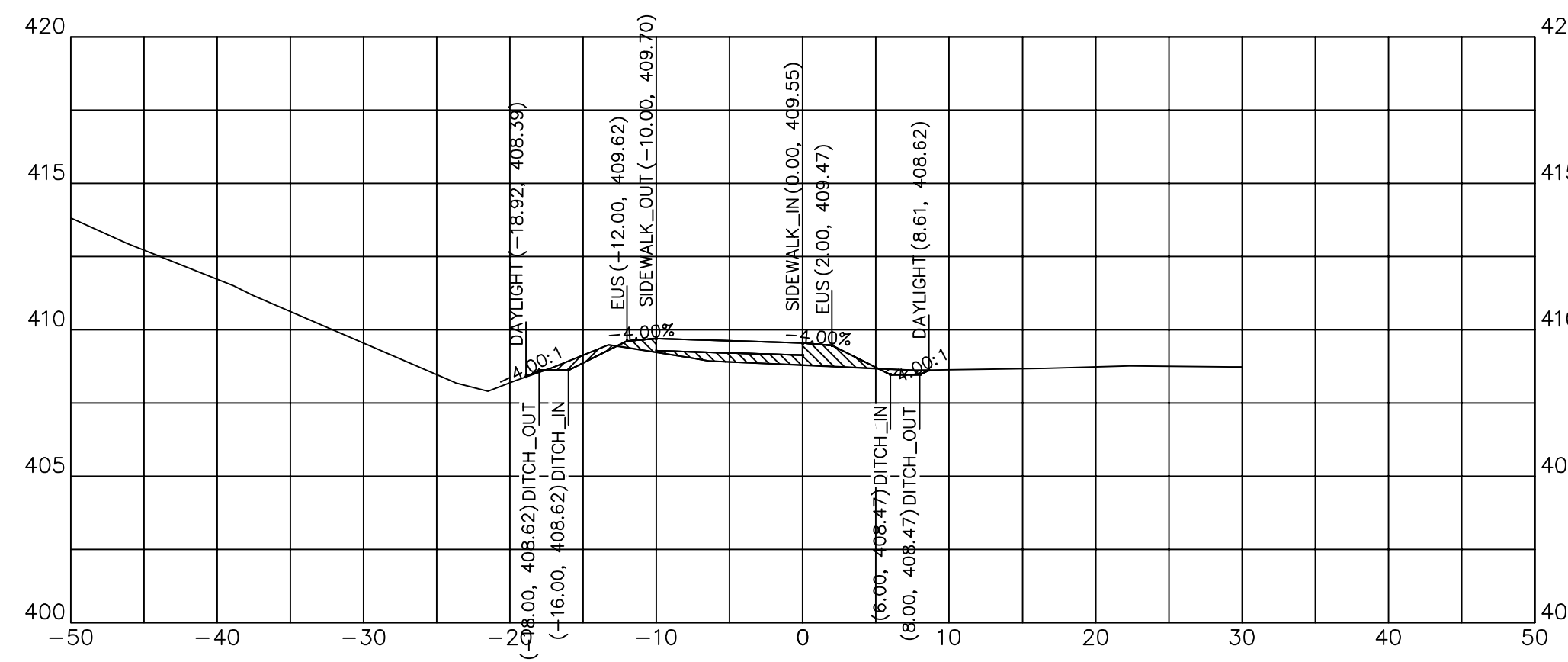


139+76.32	
CUT SQ FT	0.07
FILL SQ FT	17.65
CUT CU YD	0.00
FILL CU YD	0.86
CUM C CU YD	1225.97
CUM F CU YD	1131.87



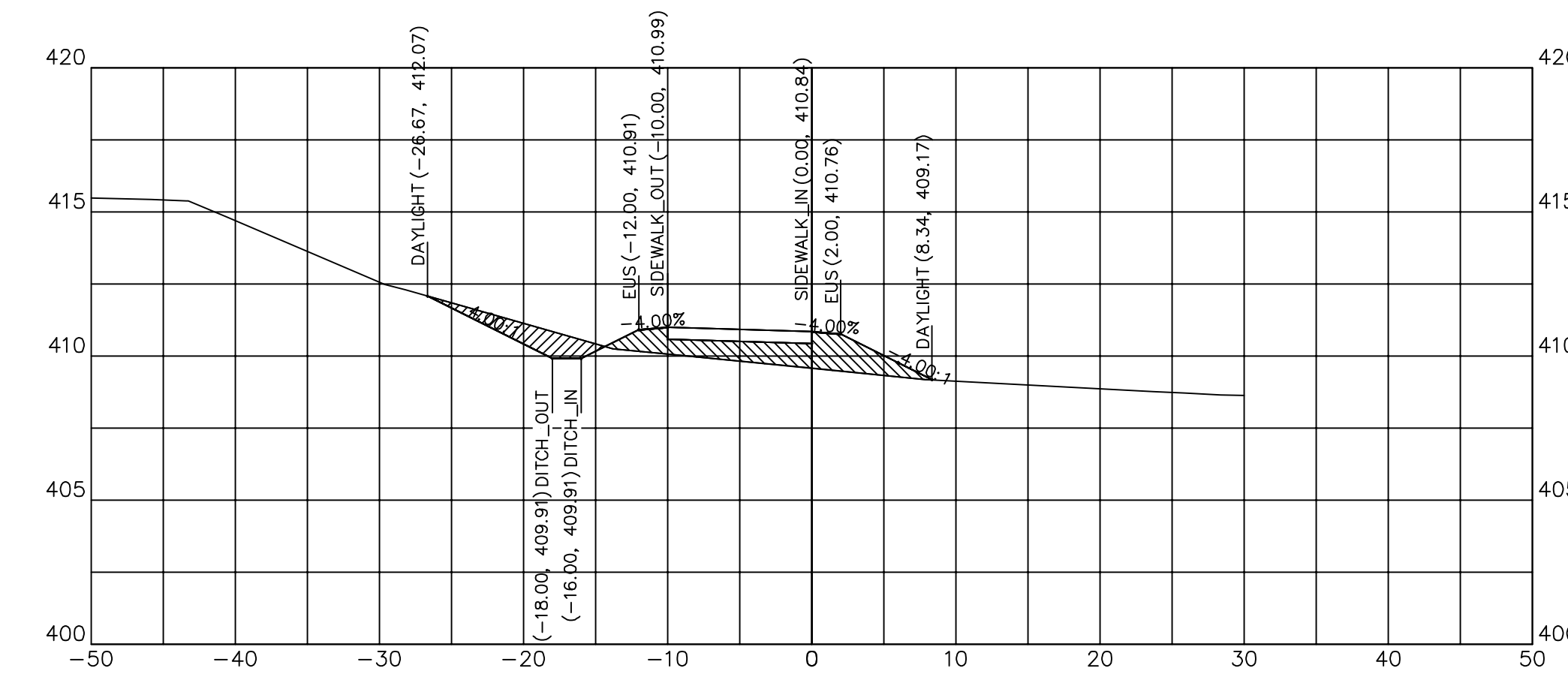
140+34.96	
CUT SQ FT	2.50
FILL SQ FT	5.67
CUT CU YD	1.00
FILL CU YD	2.38
CUM C CU YD	1230.36
CUM F CU YD	1153.12





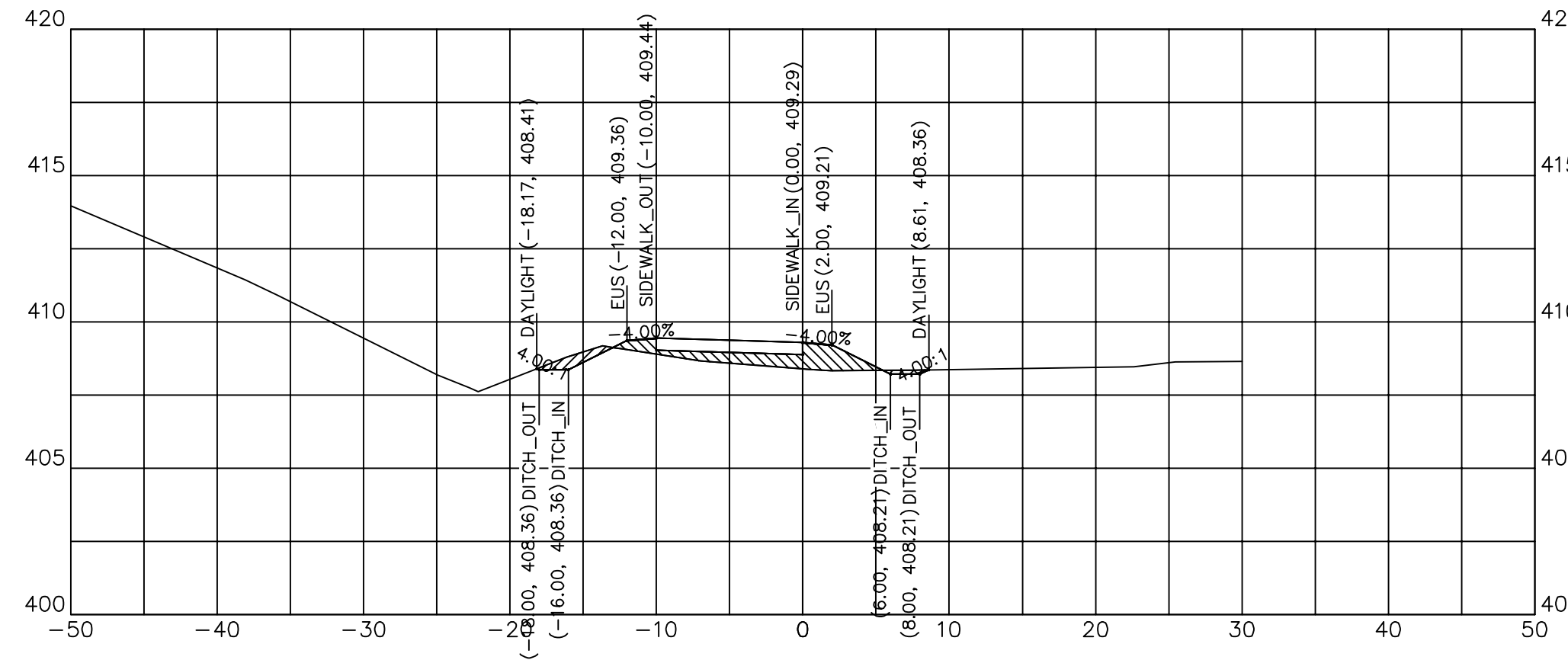
141+25.00

141+25.00	
CUT SQ FT	1.43
FILL SQ FT	6.11
CUT CU YD	1.49
FILL CU YD	6.40
CUM C CU YD	1235.38
CUM F CU YD	1181.73



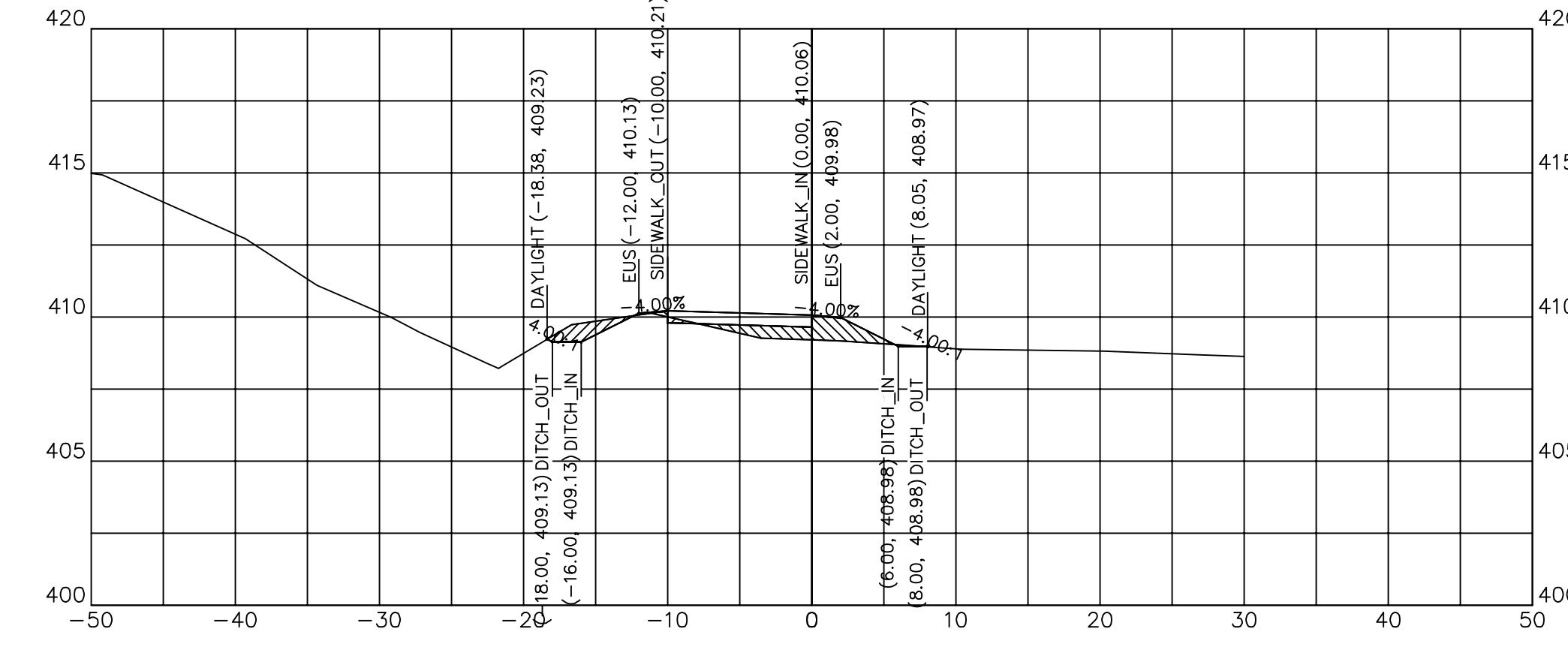
141+75.00

141+75.00	
CUT SQ FT	6.12
FILL SQ FT	16.00
CUT CU YD	4.47
FILL CU YD	10.19
CUM C CU YD	1241.07
CUM F CU YD	1198.00



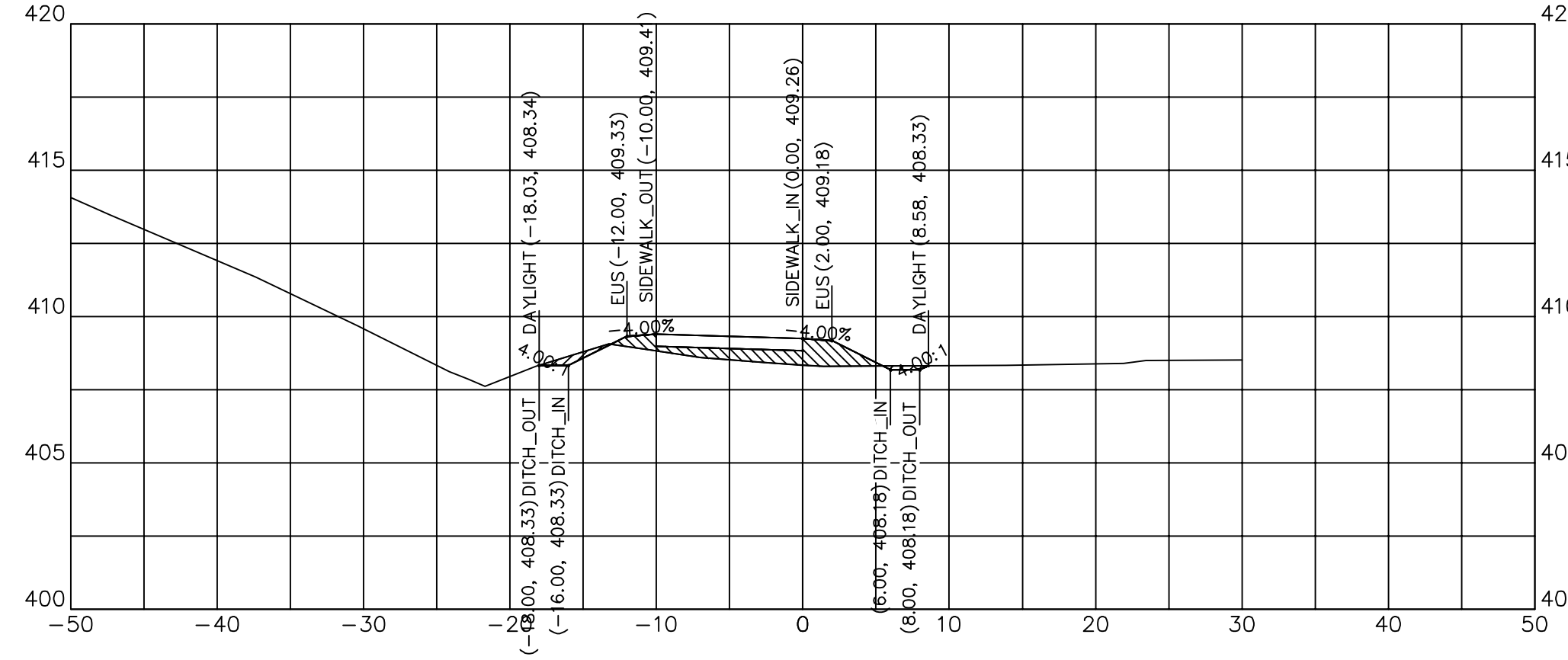
141+00.00

141+00.00	
CUT SQ FT	1.80
FILL SQ FT	7.71
CUT CU YD	0.36
FILL CU YD	1.88
CUM C CU YD	1233.88
CUM F CU YD	1175.33



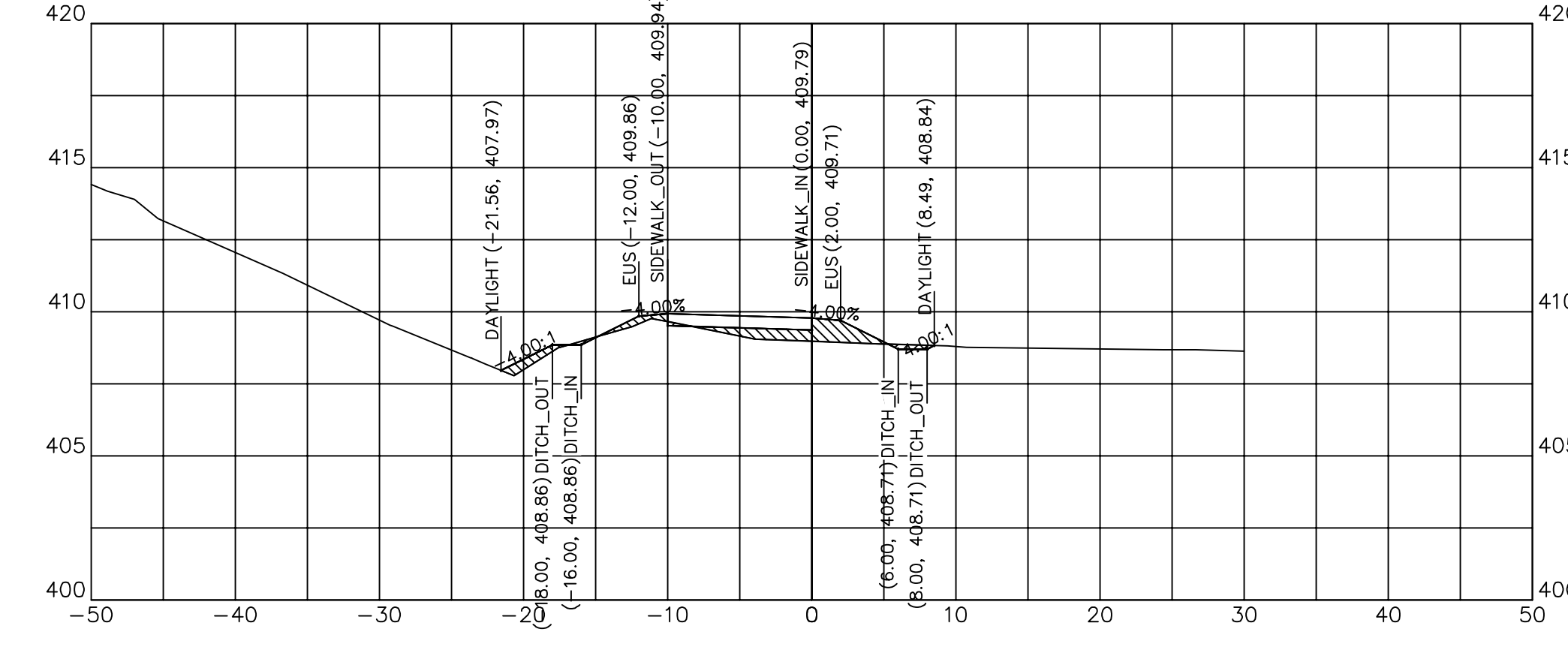
141+50.00

141+50.00	
CUT SQ FT	2.50
FILL SQ FT	5.71
CUT CU YD	0.71
FILL CU YD	2.77
CUM C CU YD	1236.60
CUM F CU YD	1187.81



140+93.60

140+93.60	
CUT SQ FT	1.20
FILL SQ FT	8.19
CUT CU YD	0.58
FILL CU YD	6.95
CUM C CU YD	1233.52
CUM F CU YD	1173.45



141+38.55

141+38.55	
CUT SQ FT	0.62
FILL SQ FT	7.10
CUT CU YD	0.51
FILL CU YD	3.31
CUM C CU YD	1235.89
CUM F CU YD	1185.04



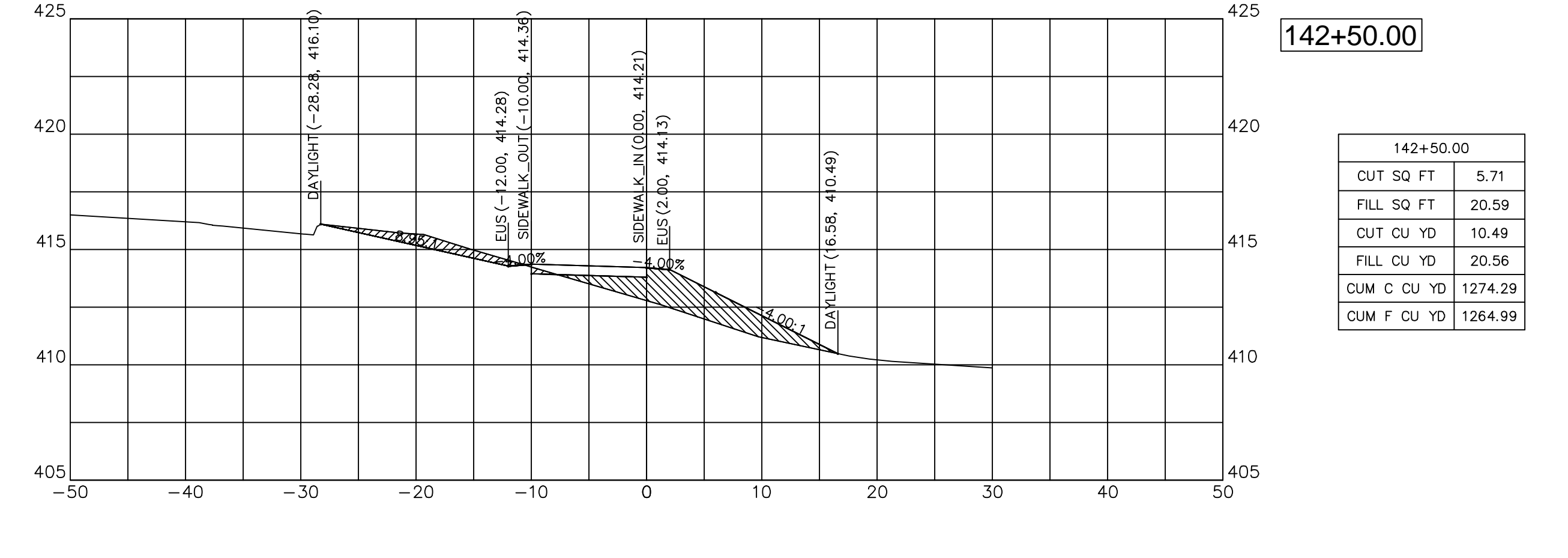
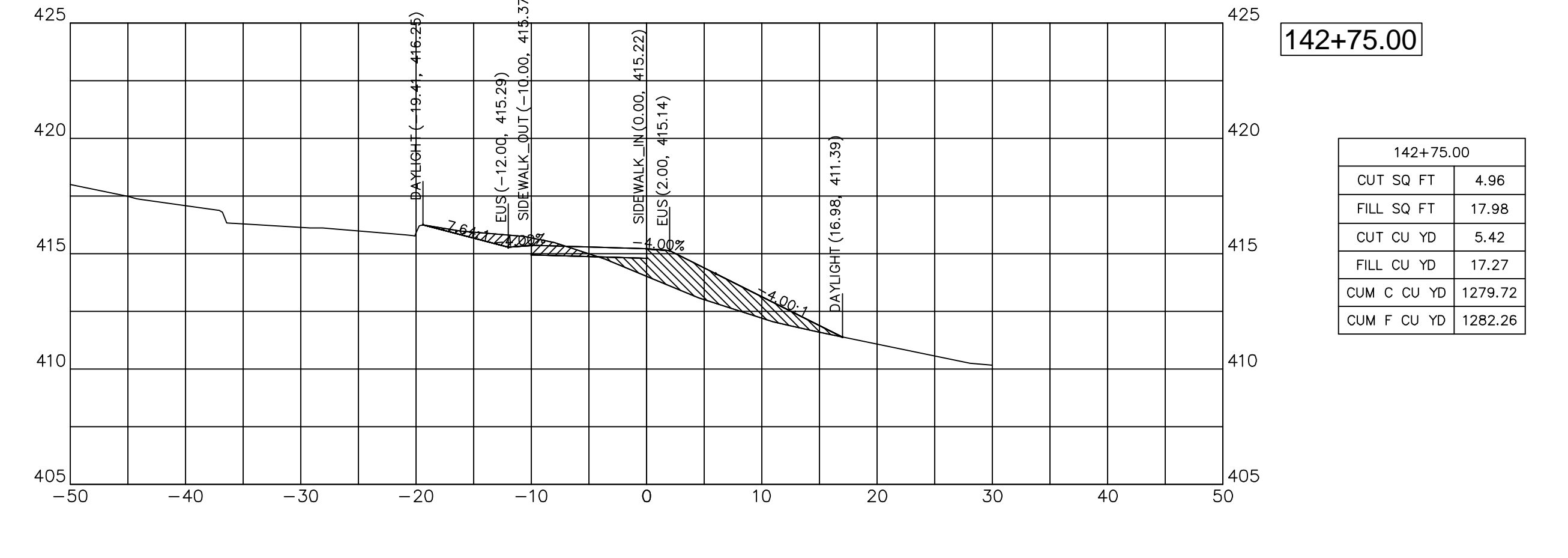
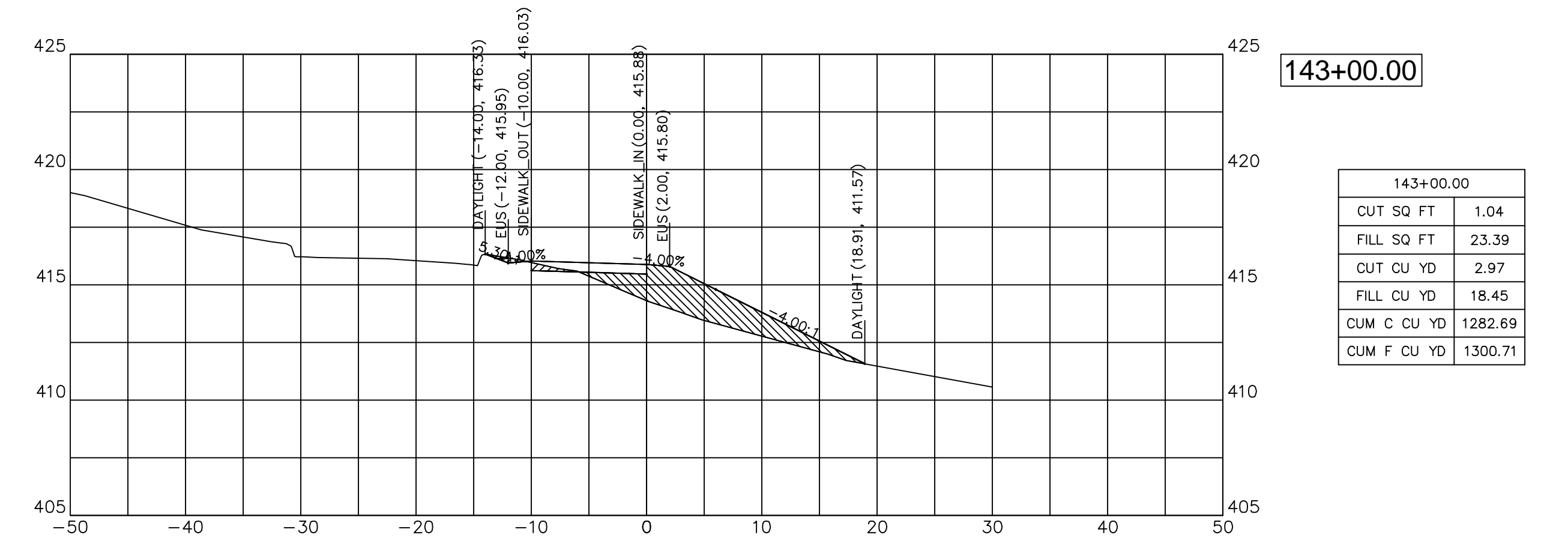
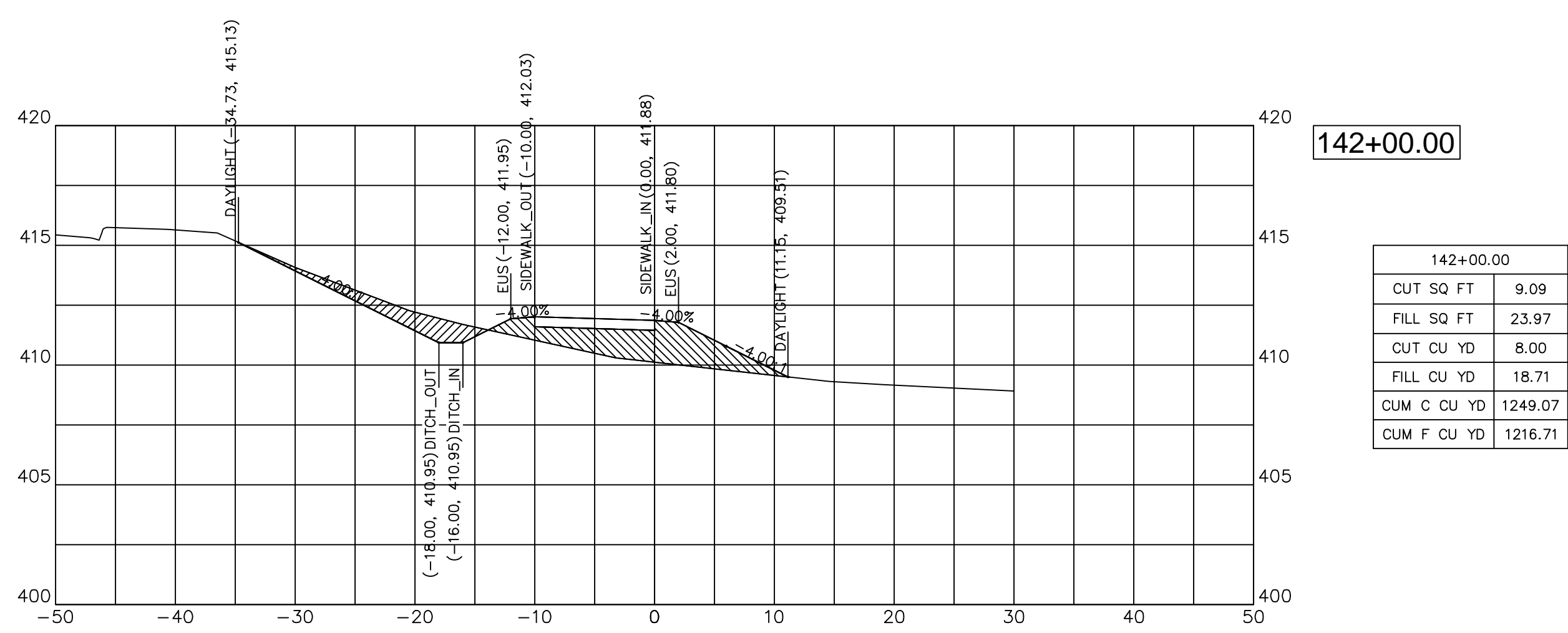
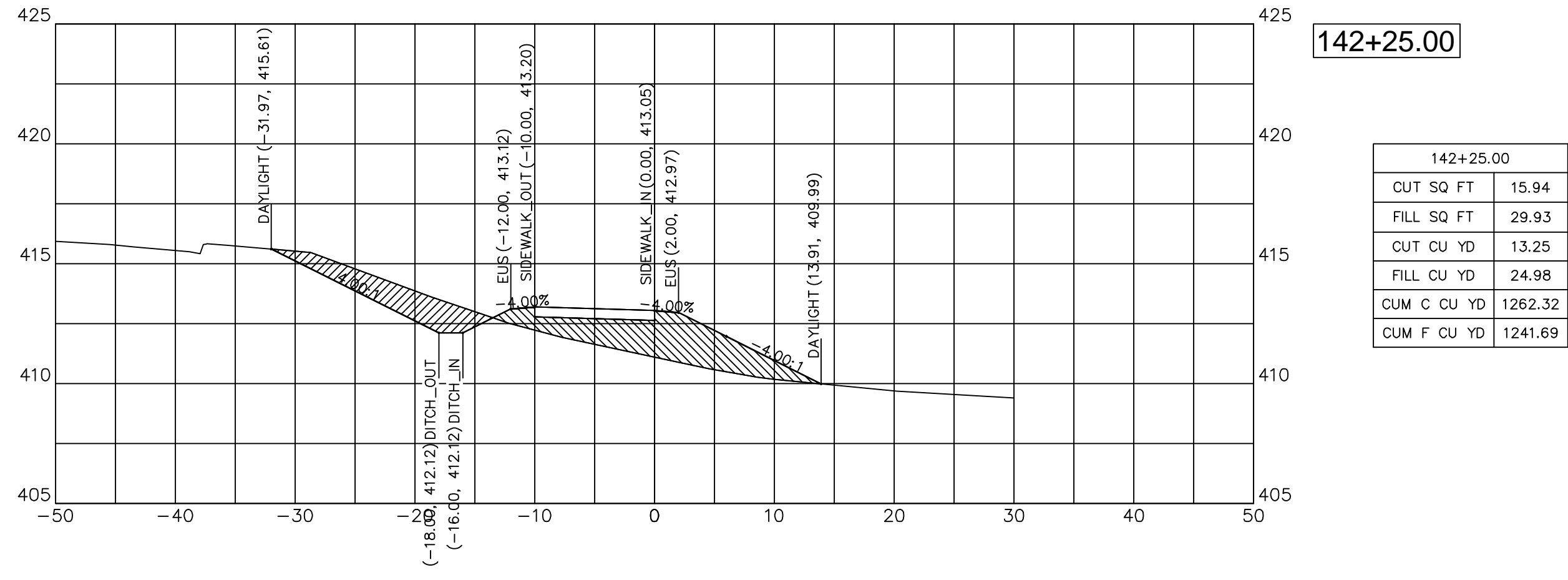
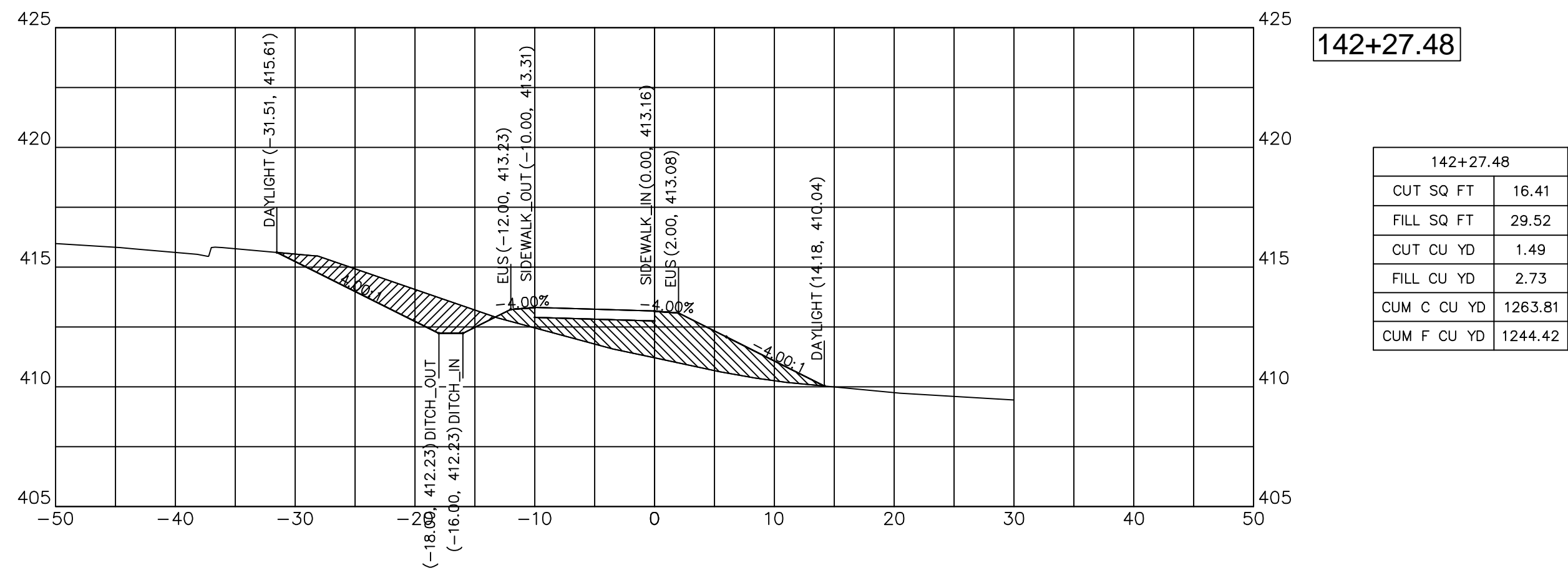
DESIGNED	- JHC	REVISED	-
DRAWN	- JHC	REVISED	-
CHECKED	- WDS	REVISED	-
DATE	- 03/27/20	REVISED	- 07/11/20

**JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

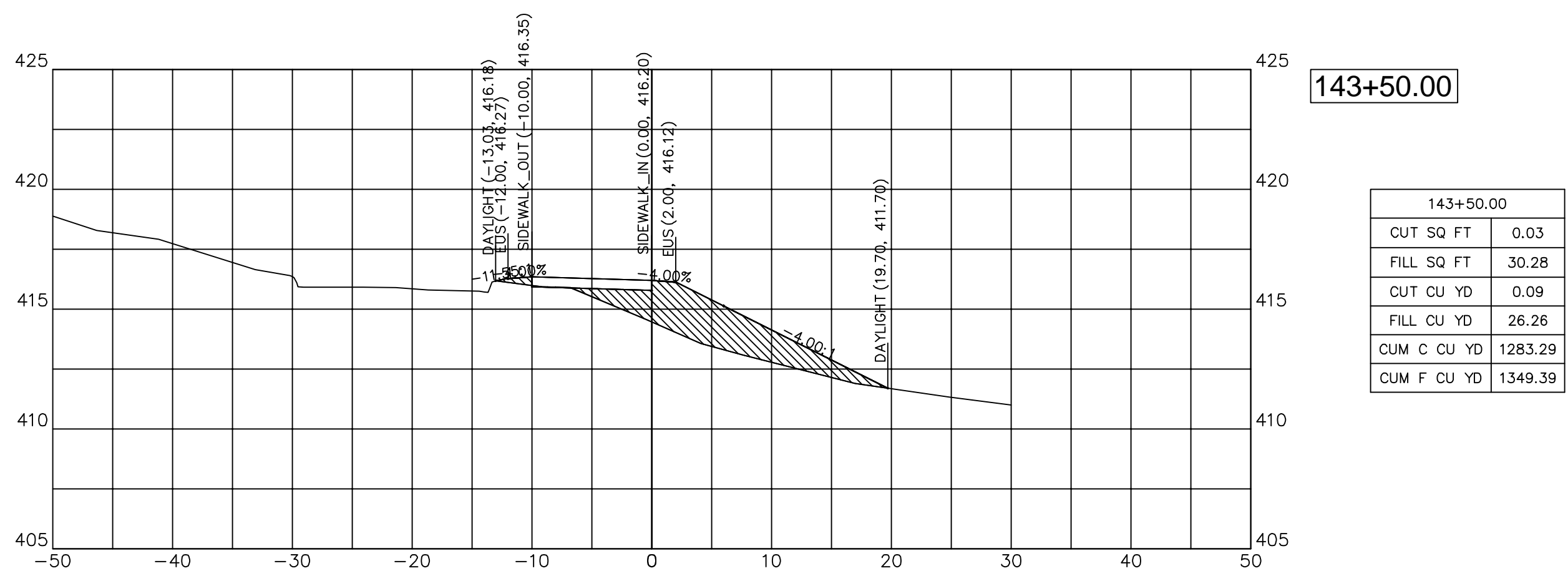
**CROSS SECTIONS  
MULTI-USE PATH**

SCALE: HOR: 1"=10' VERT: 1"=5' SHEET 31 OF 36 SHEETS STA. 140+93.60 TO STA. 141+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	60
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				

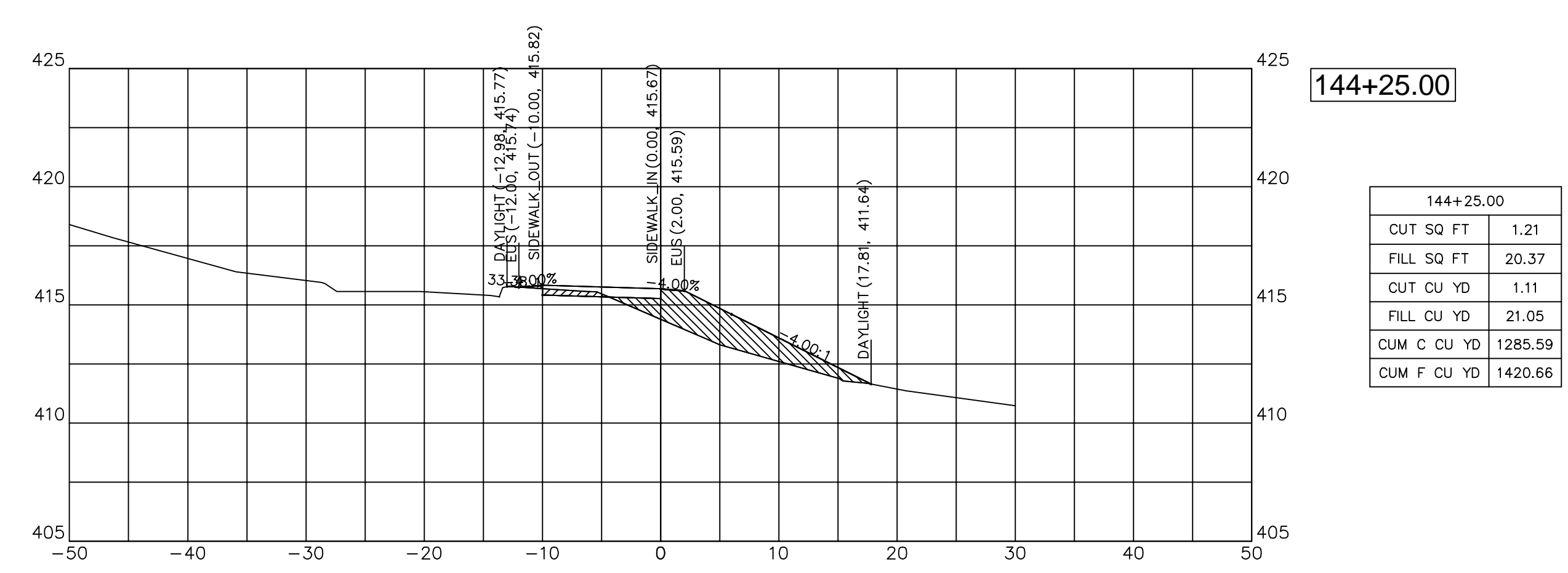






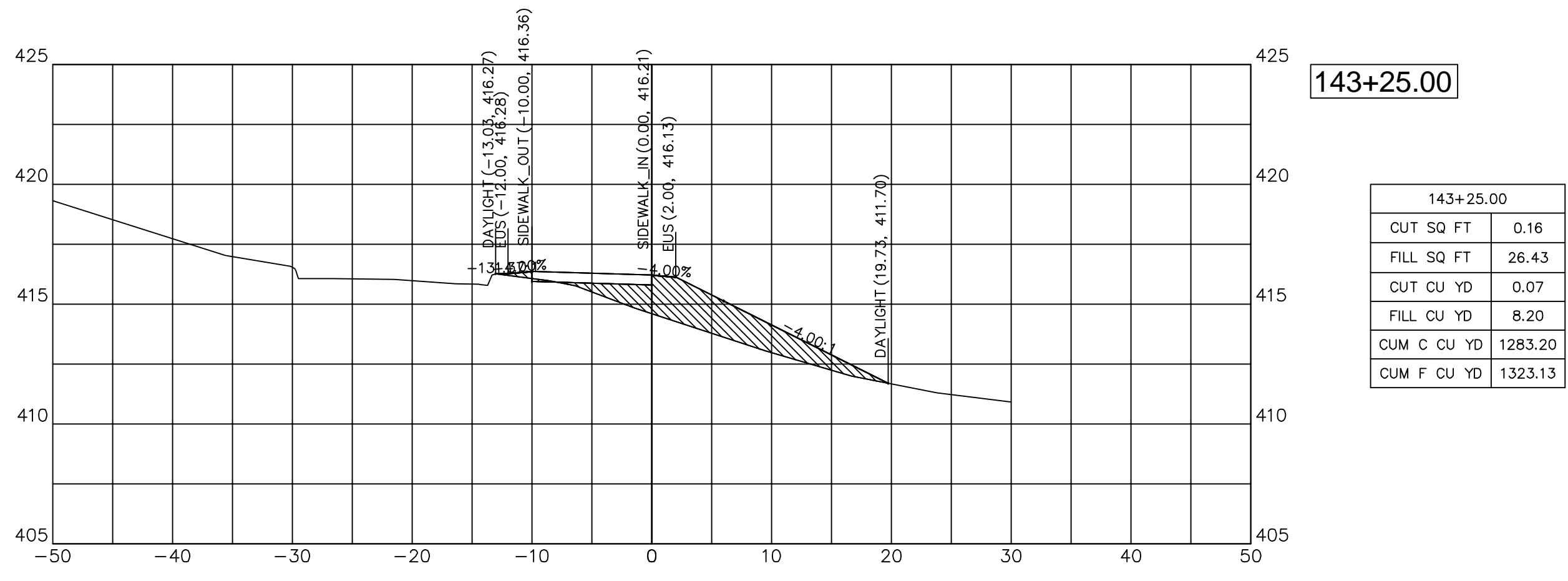
**143+50.00**

CUT SQ FT	0.03
FILL SQ FT	30.28
CUT CU YD	0.09
FILL CU YD	26.26
CUM C CU YD	1283.29
CUM F CU YD	1349.39



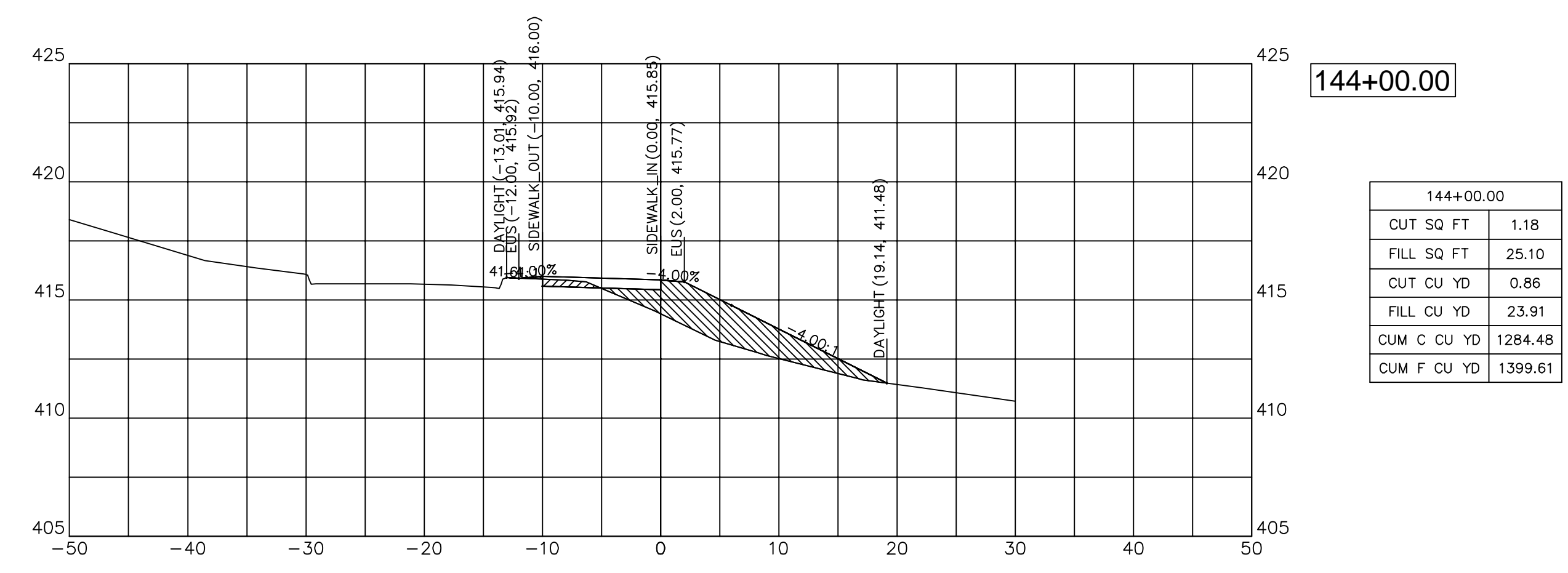
**144+25.00**

CUT SQ FT	1.21
FILL SQ FT	20.37
CUT CU YD	1.11
FILL CU YD	21.05
CUM C CU YD	1285.59
CUM F CU YD	1420.66



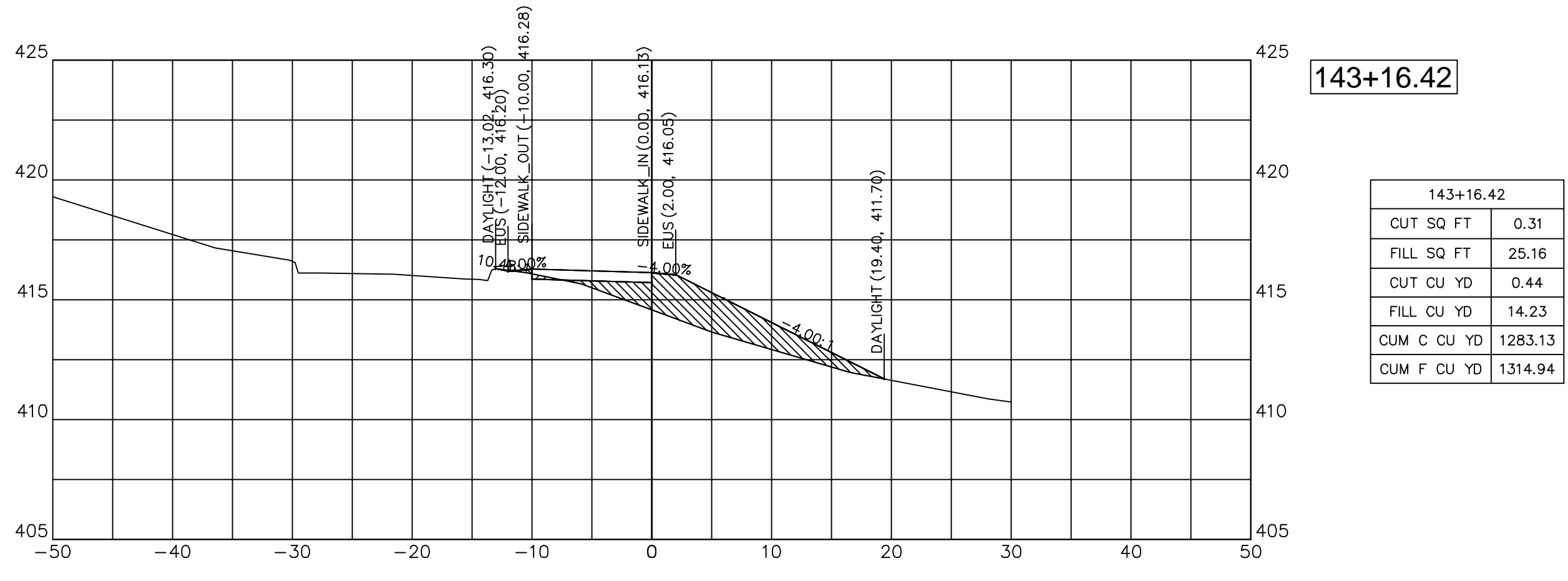
**143+25.00**

CUT SQ FT	0.16
FILL SQ FT	26.43
CUT CU YD	0.07
FILL CU YD	8.20
CUM C CU YD	1283.20
CUM F CU YD	1323.13



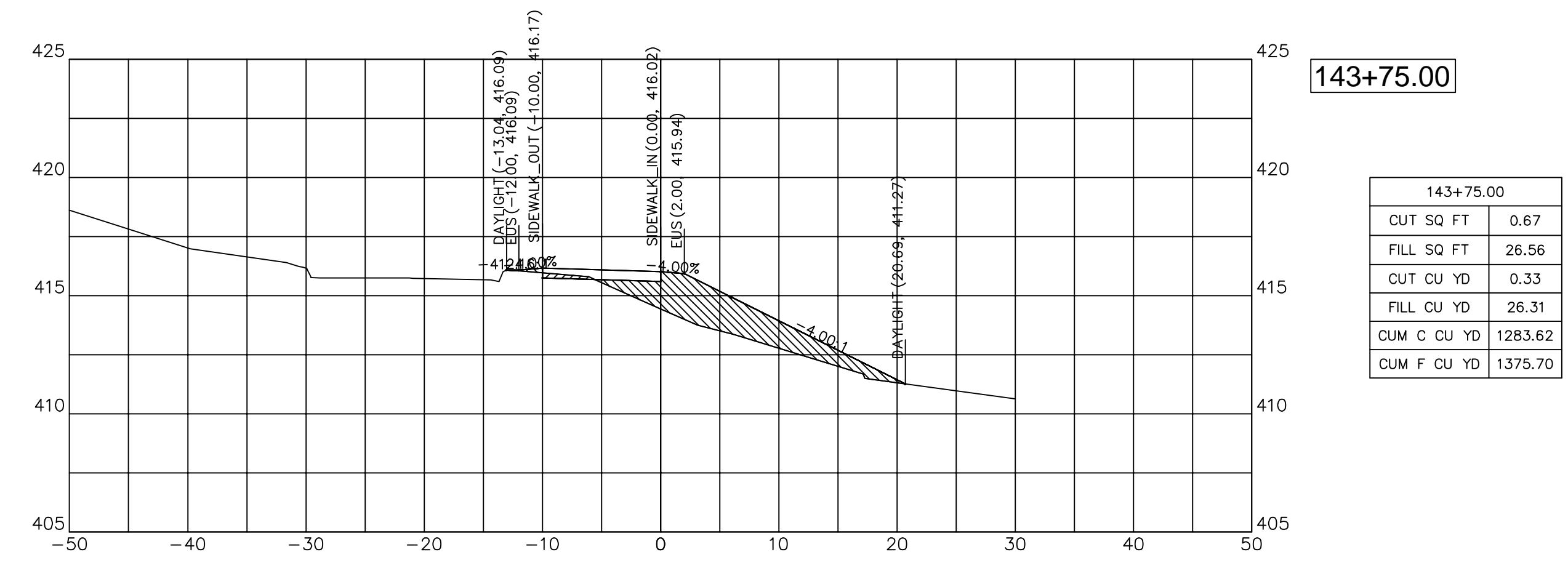
**144+00.00**

CUT SQ FT	1.18
FILL SQ FT	25.10
CUT CU YD	0.86
FILL CU YD	23.91
CUM C CU YD	1284.48
CUM F CU YD	1399.61



**143+16.42**

CUT SQ FT	0.31
FILL SQ FT	25.16
CUT CU YD	0.44
FILL CU YD	14.23
CUM C CU YD	1283.13
CUM F CU YD	1314.94



**143+75.00**

CUT SQ FT	0.67
FILL SQ FT	26.56
CUT CU YD	0.33
FILL CU YD	26.31
CUM C CU YD	1283.62
CUM F CU YD	1375.70



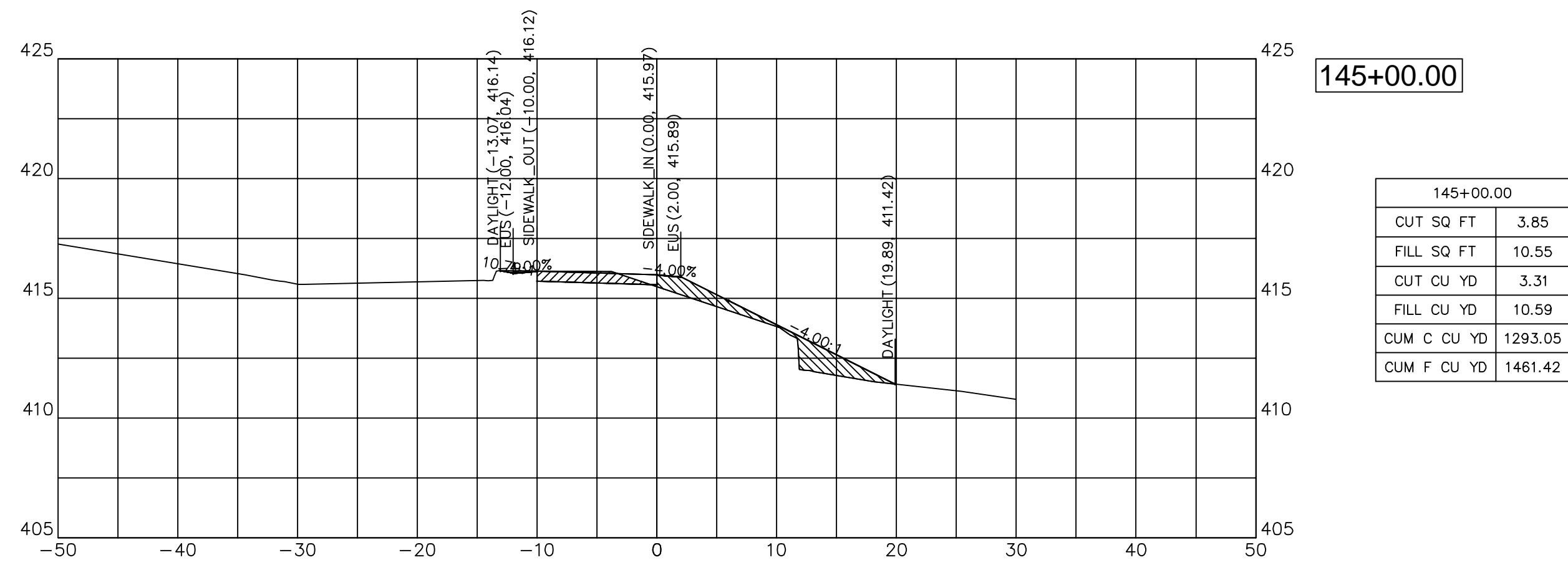
DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

**JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

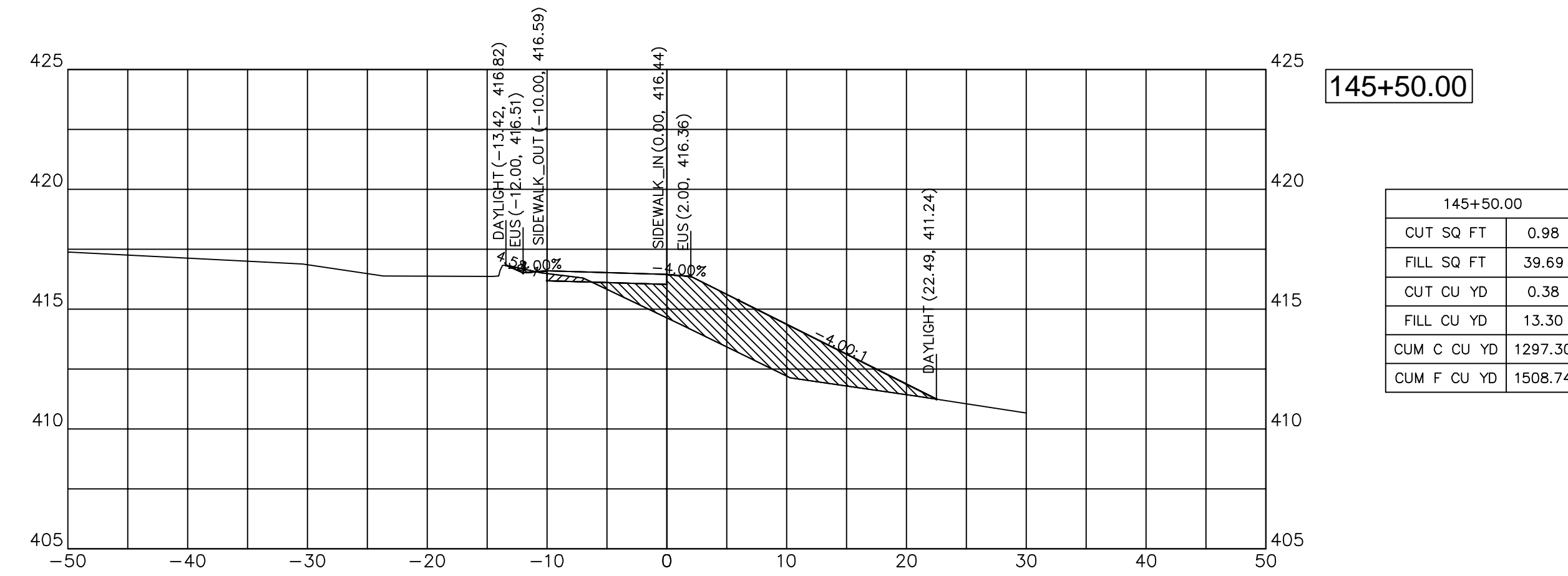
**CROSS SECTIONS  
MULTI-USE PATH**

SCALE: HOR:1=10 VERT:1=5 SHEET 33 OF 36 SHEETS STA. 143+16.42 TO STA. 144+25.00

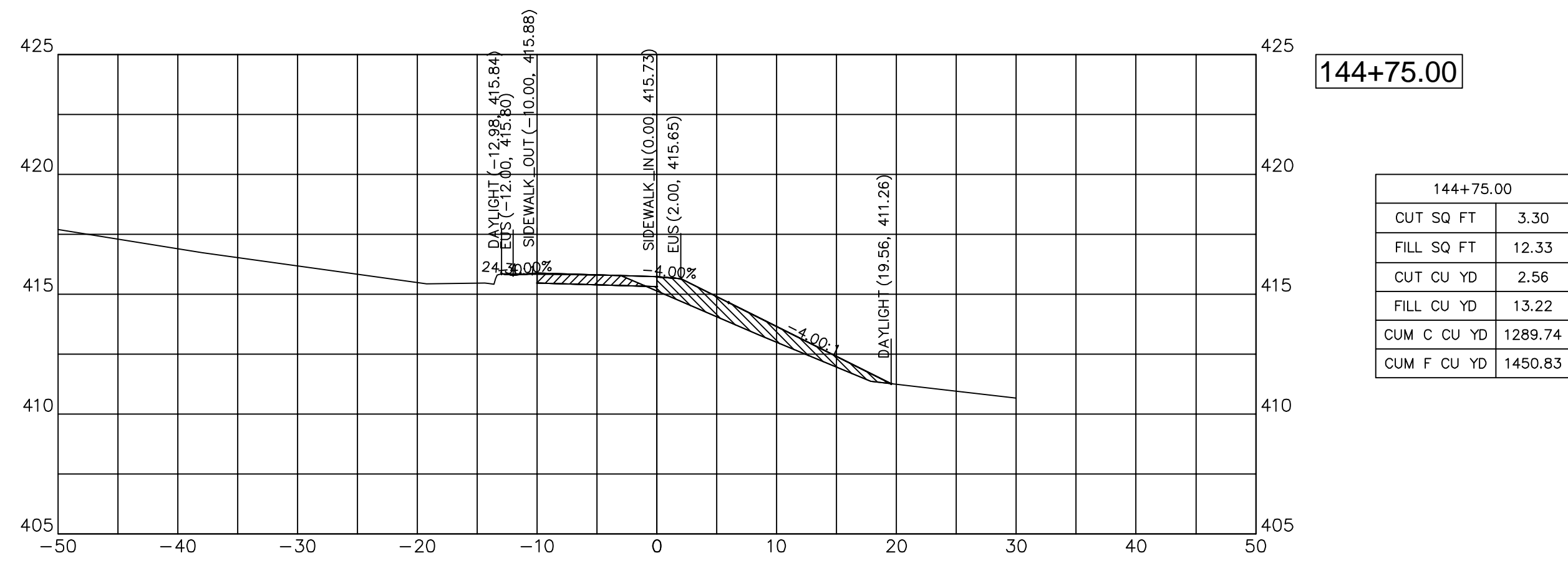
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	62
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				



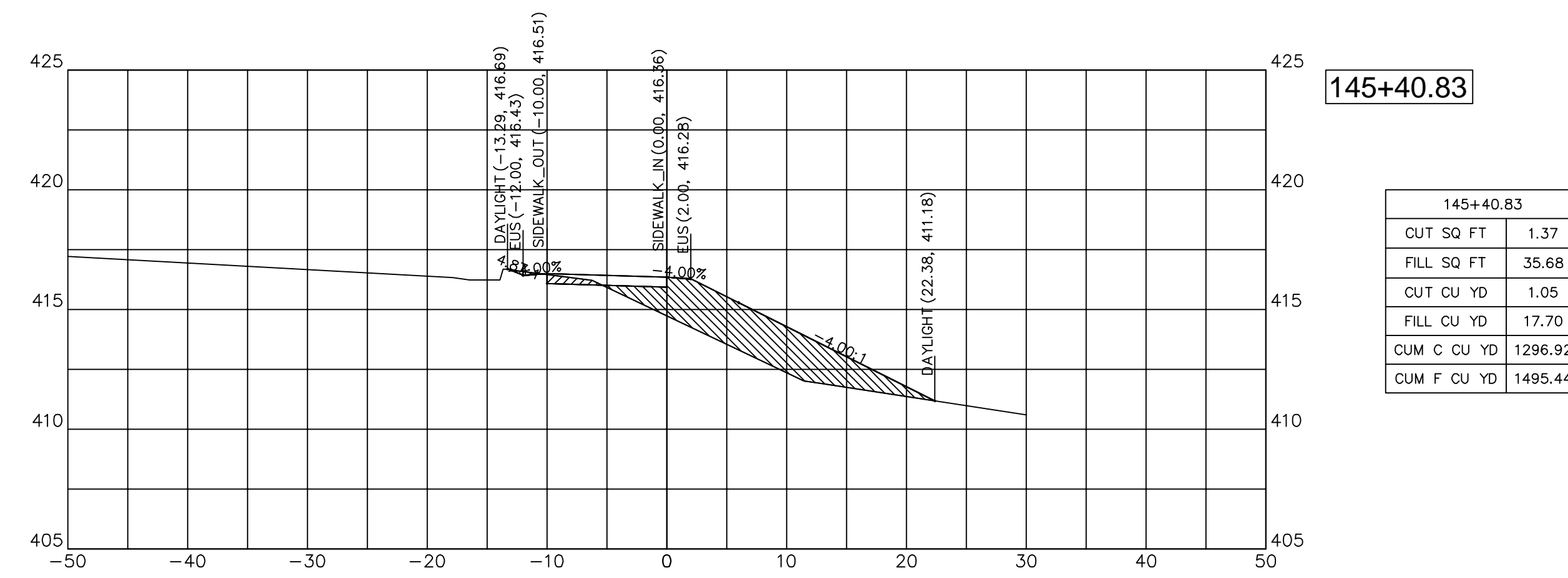
145+00.00	
CUT SQ FT	3.85
FILL SQ FT	10.55
CUT CU YD	3.31
FILL CU YD	10.59
CUM C CU YD	1293.05
CUM F CU YD	1461.42



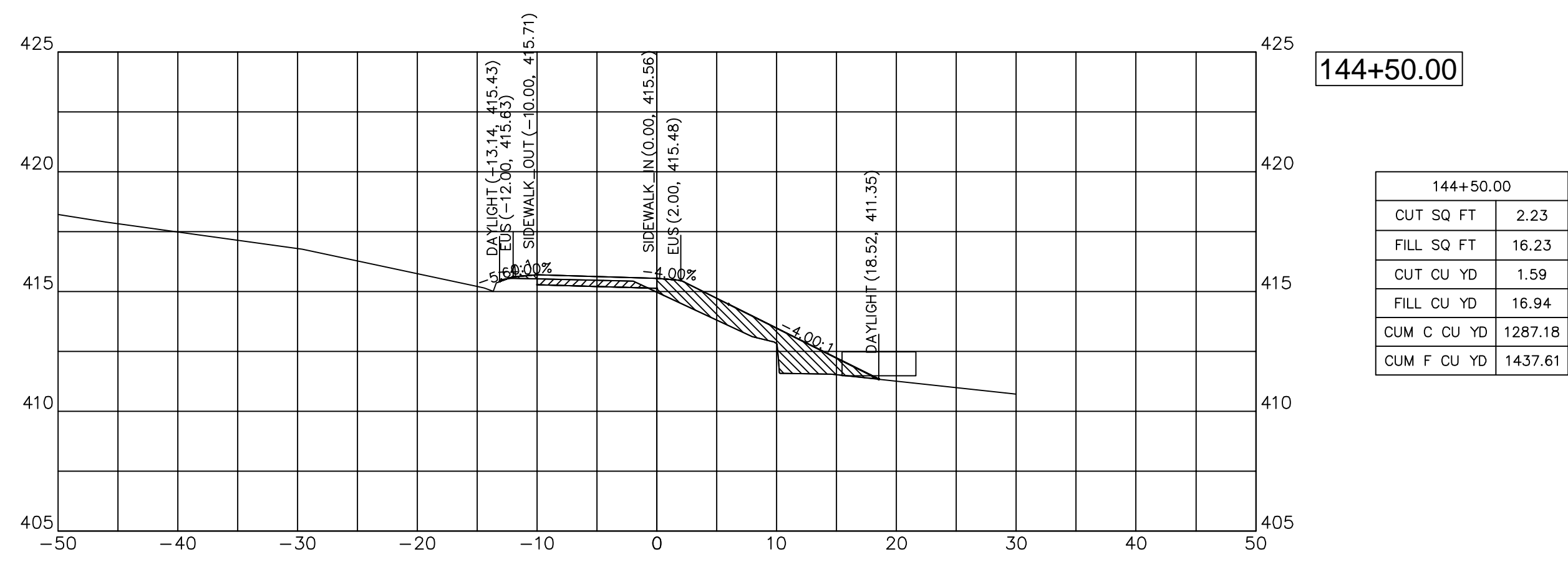
145+50.00	
CUT SQ FT	0.98
FILL SQ FT	39.69
CUT CU YD	0.38
FILL CU YD	13.30
CUM C CU YD	1297.30
CUM F CU YD	1508.74



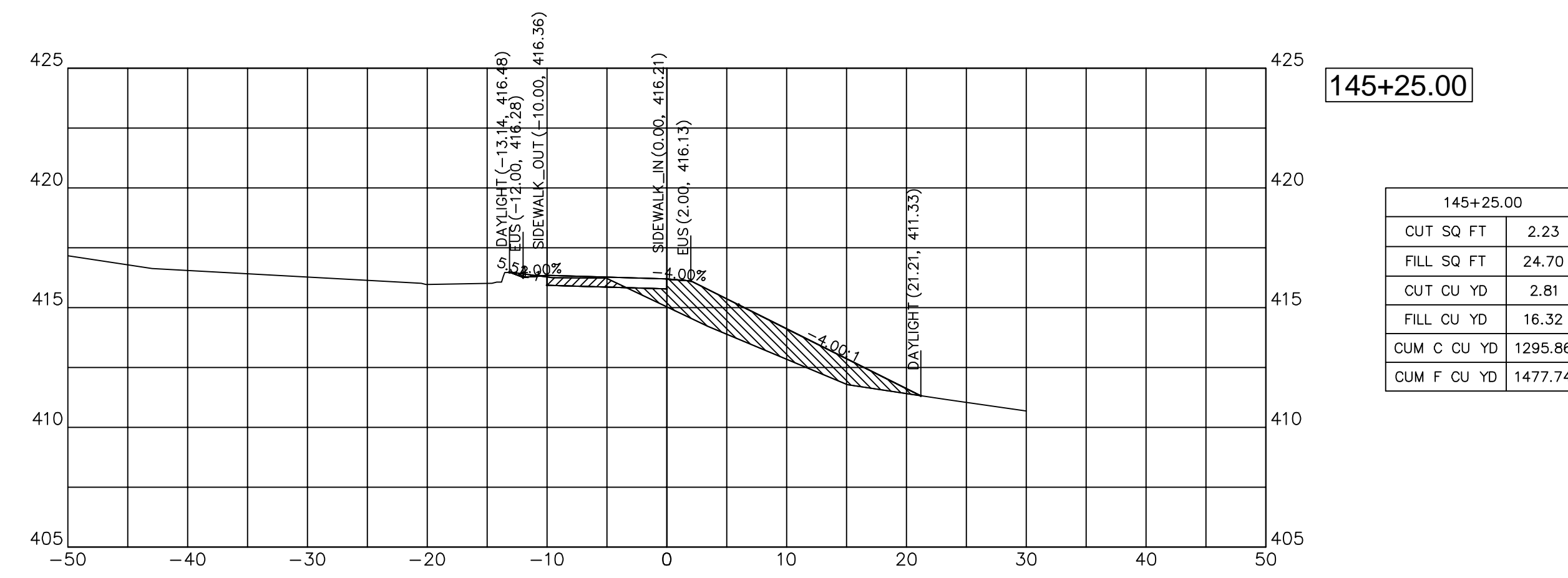
144+75.00	
CUT SQ FT	3.30
FILL SQ FT	12.33
CUT CU YD	2.56
FILL CU YD	13.22
CUM C CU YD	1289.74
CUM F CU YD	1450.83



145+40.83	
CUT SQ FT	1.37
FILL SQ FT	35.68
CUT CU YD	1.05
FILL CU YD	17.70
CUM C CU YD	1296.92
CUM F CU YD	1495.44

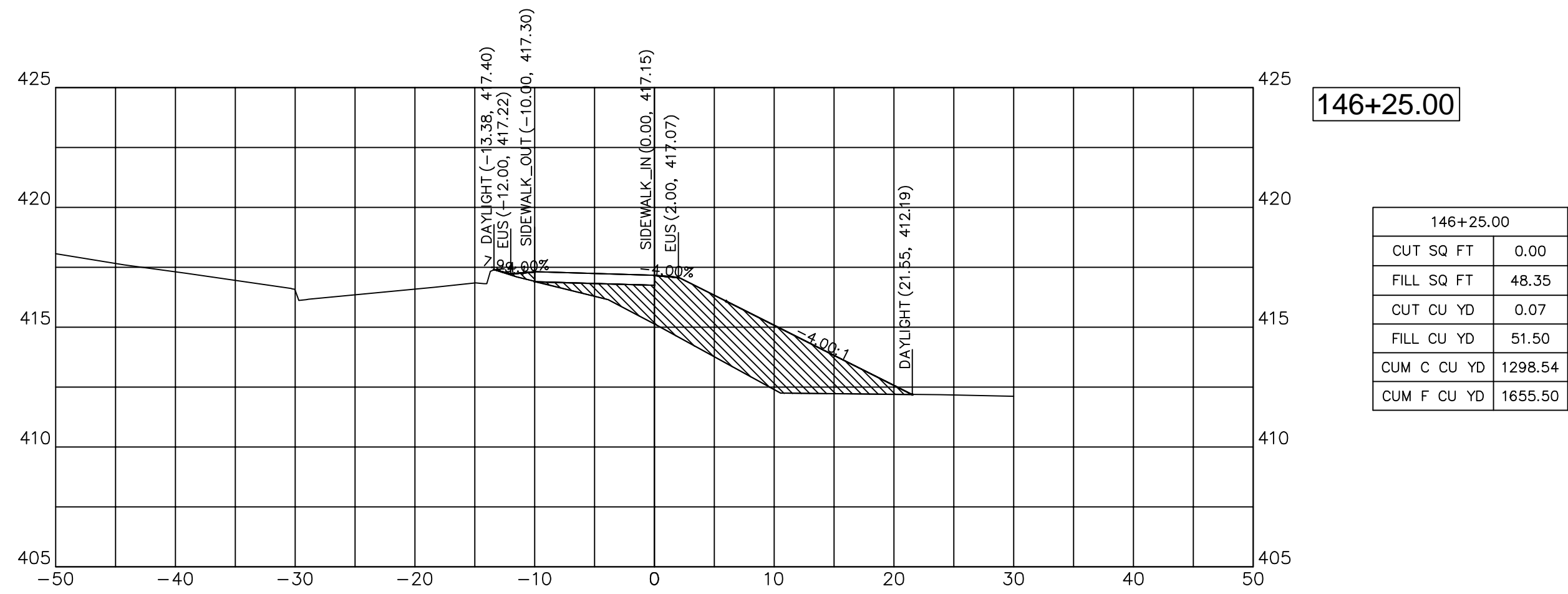


144+50.00	
CUT SQ FT	2.23
FILL SQ FT	16.23
CUT CU YD	1.59
FILL CU YD	16.94
CUM C CU YD	1287.18
CUM F CU YD	1437.61



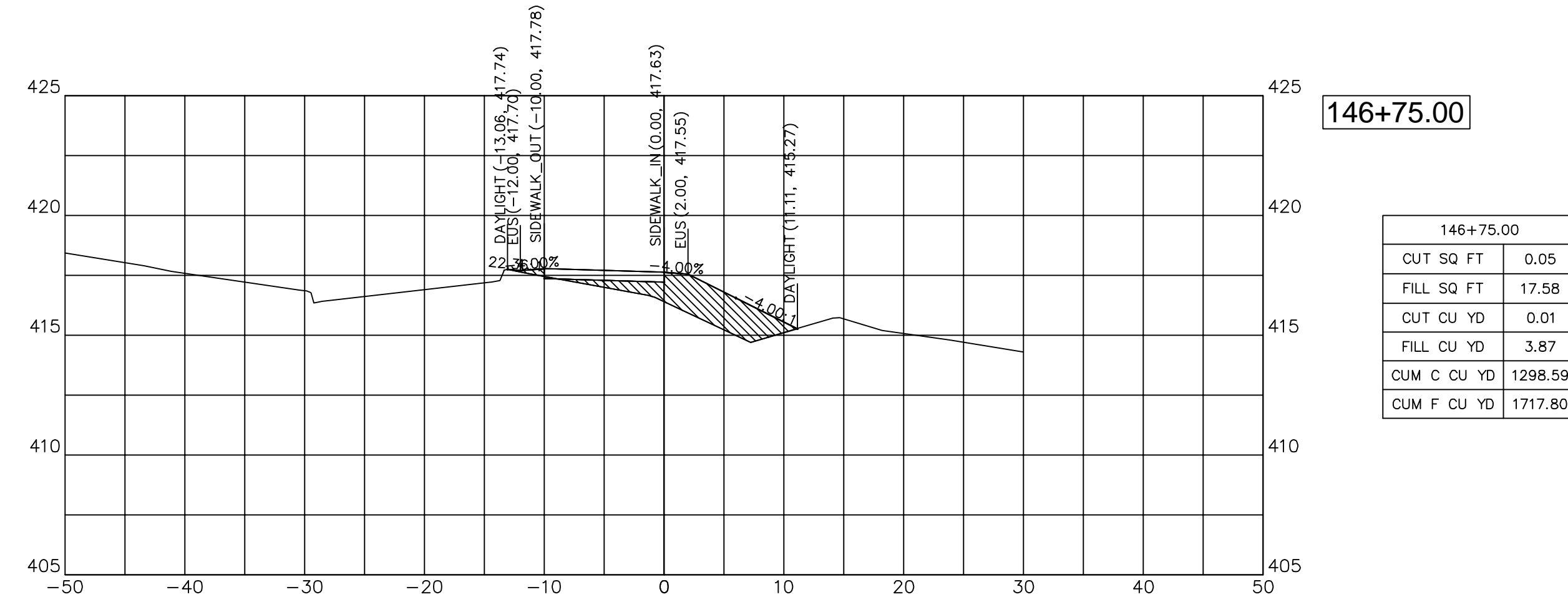
145+25.00	
CUT SQ FT	2.23
FILL SQ FT	24.70
CUT CU YD	2.81
FILL CU YD	16.32
CUM C CU YD	1295.86
CUM F CU YD	1477.74





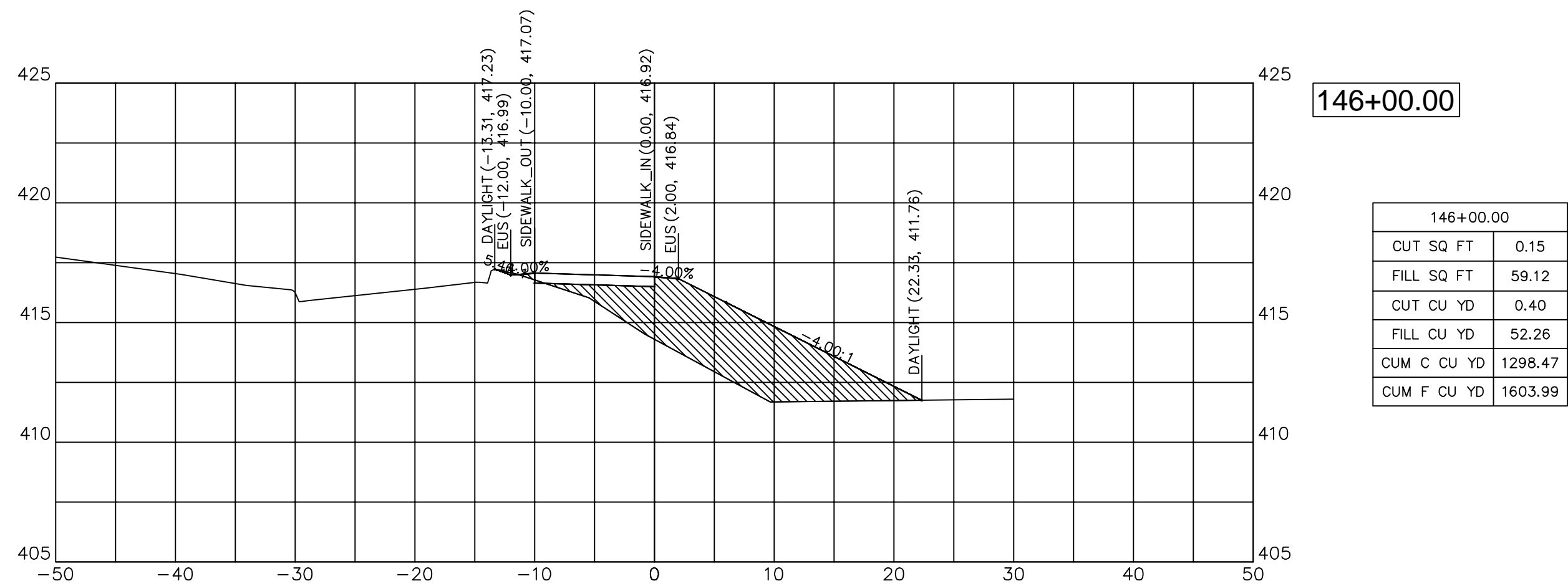
146+25.00

146+25.00	
CUT SQ FT	0.00
FILL SQ FT	48.35
CUT CU YD	0.07
FILL CU YD	51.50
CUM C CU YD	1298.54
CUM F CU YD	1655.50



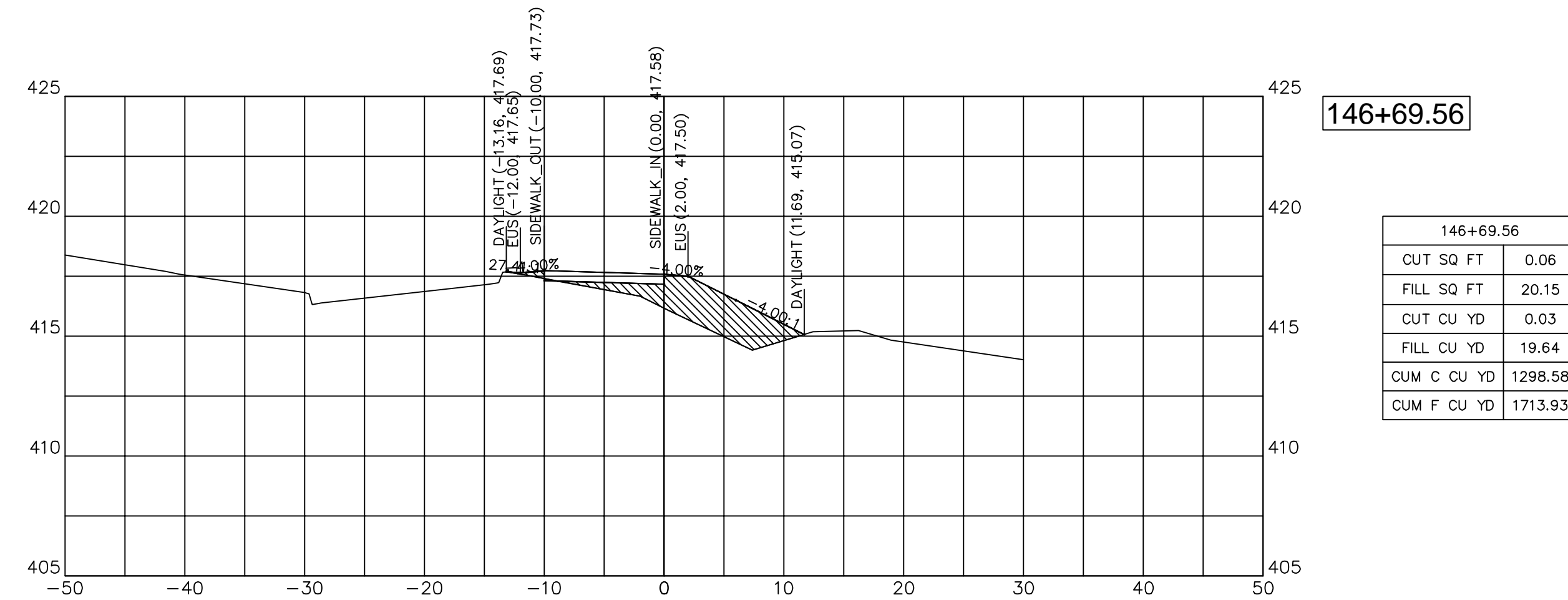
146+75.00

146+75.00	
CUT SQ FT	0.05
FILL SQ FT	17.58
CUT CU YD	0.01
FILL CU YD	3.87
CUM C CU YD	1298.59
CUM F CU YD	1717.80



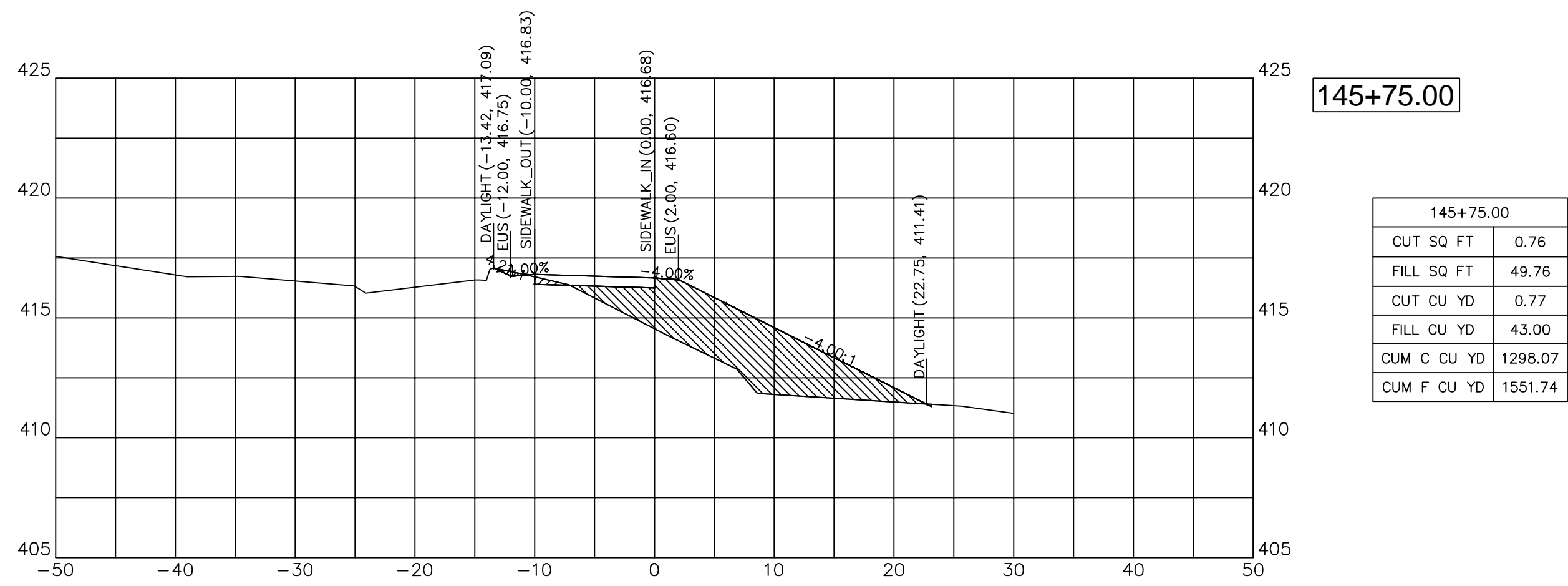
146+00.00

146+00.00	
CUT SQ FT	0.15
FILL SQ FT	59.12
CUT CU YD	0.40
FILL CU YD	52.26
CUM C CU YD	1298.47
CUM F CU YD	1603.99



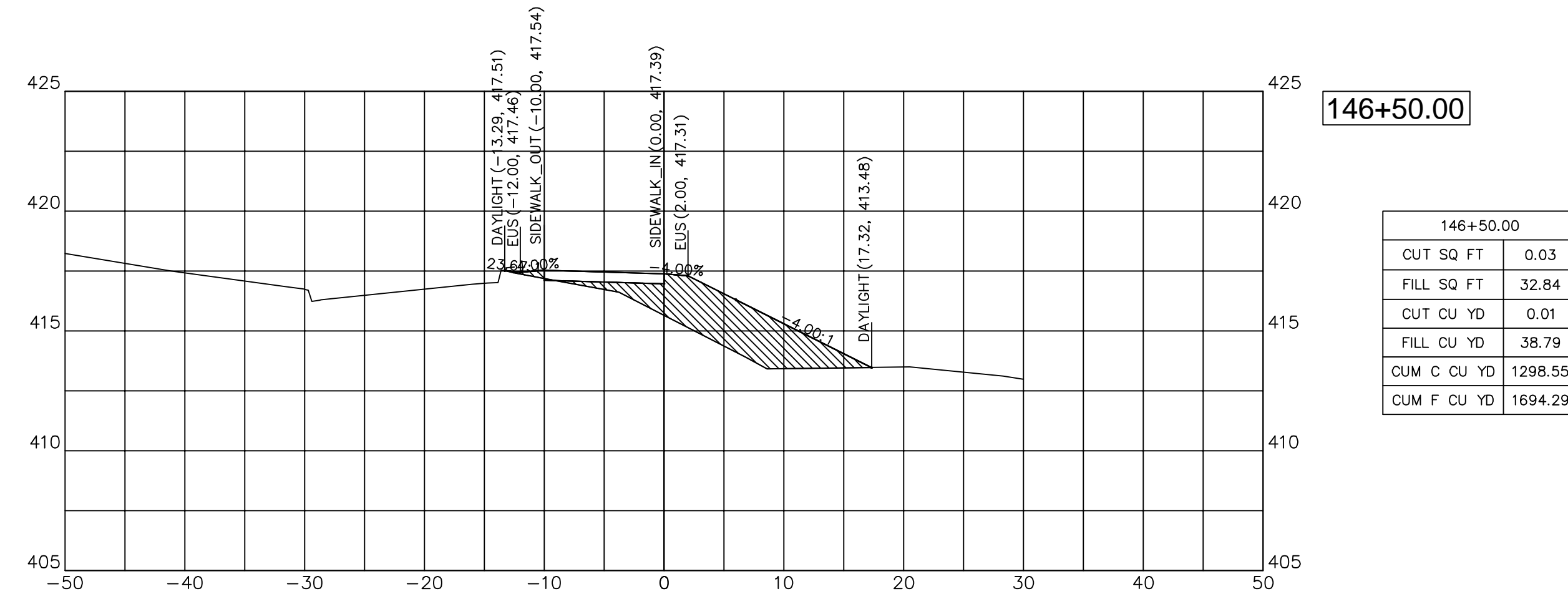
146+69.56

146+69.56	
CUT SQ FT	0.06
FILL SQ FT	20.15
CUT CU YD	0.03
FILL CU YD	19.64
CUM C CU YD	1298.58
CUM F CU YD	1713.93



145+75.00

145+75.00	
CUT SQ FT	0.76
FILL SQ FT	49.76
CUT CU YD	0.77
FILL CU YD	43.00
CUM C CU YD	1298.07
CUM F CU YD	1551.74



146+50.00

146+50.00	
CUT SQ FT	0.03
FILL SQ FT	32.84
CUT CU YD	0.01
FILL CU YD	38.79
CUM C CU YD	1298.55
CUM F CU YD	1694.29



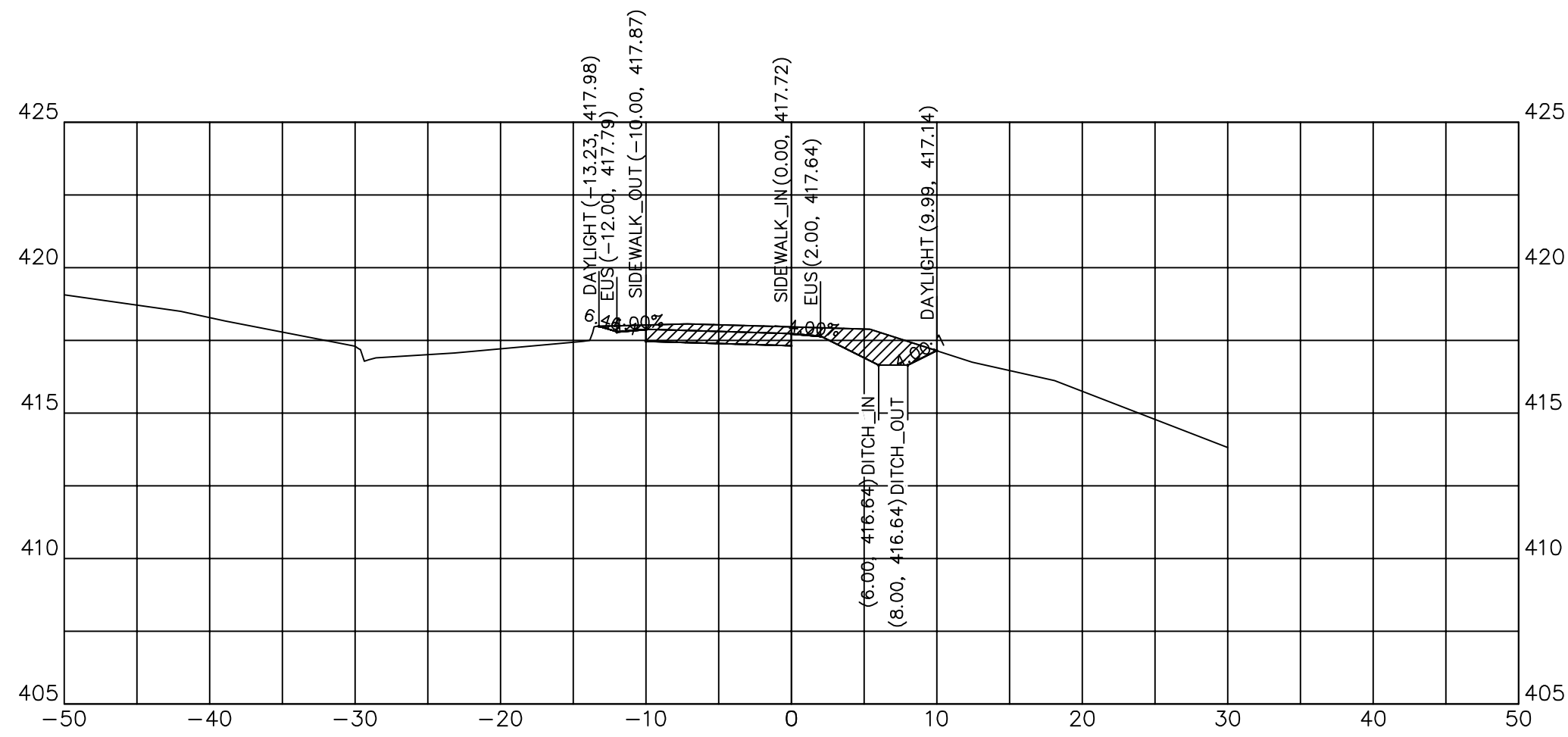
DESIGNED	— JHC	REVISED	—
DRAWN	— JHC	REVISED	—
CHECKED	— WDS	REVISED	—
DATE	— 03/27/20	REVISED	— 07/11/20

**JOHN A LOGAN COLLEGE  
MULTI-USE PATH  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MULTI-USE PATH**

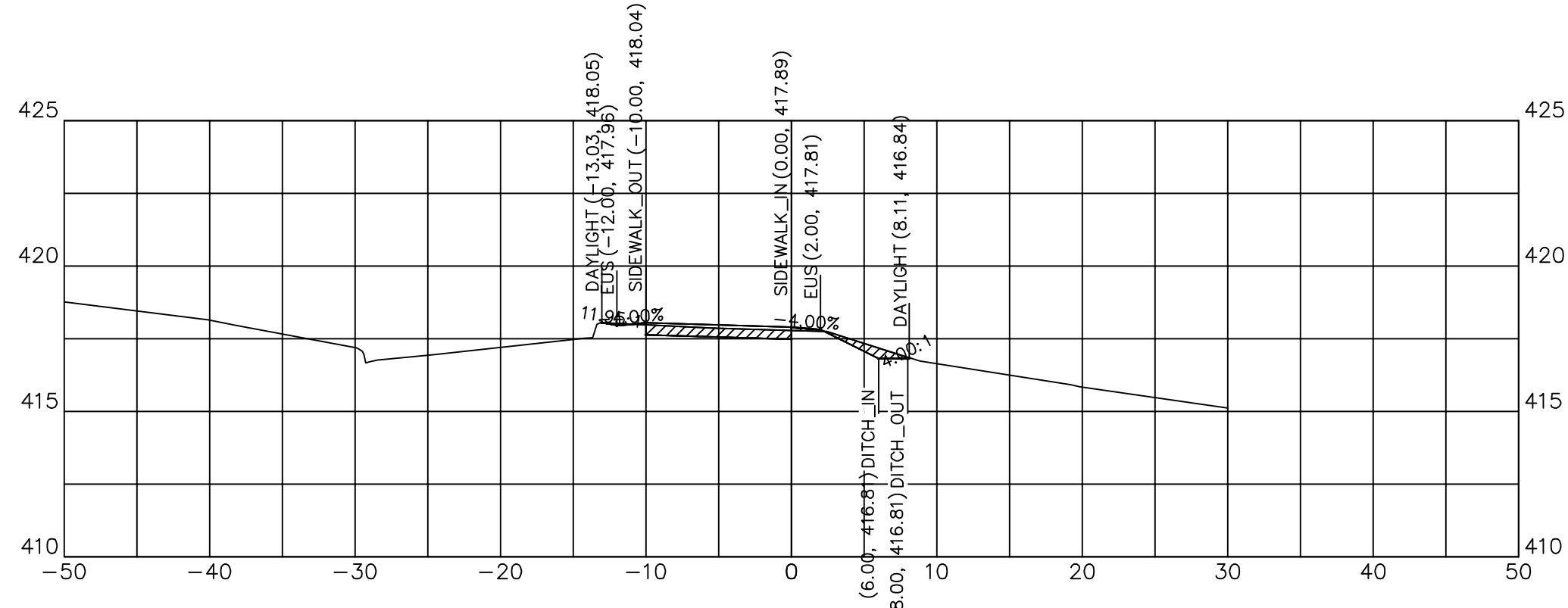
SCALE: HOR:1=10 VERT:1=5 SHEET 35 OF 36 SHEETS STA. 145+75.00 TO STA. 146+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	64
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				

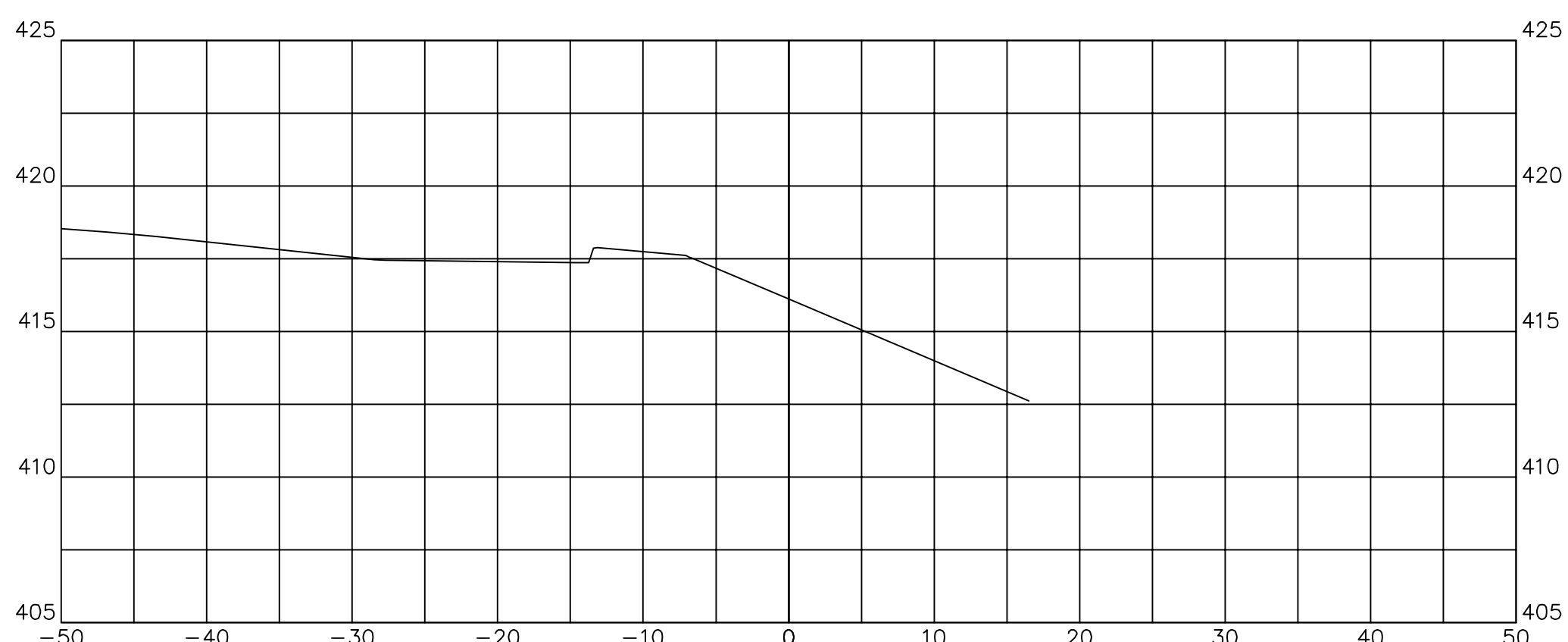


147+50.00	
CUT SQ FT	13.19
FILL SQ FT	0.00
CUT CU YD	8.11
FILL CU YD	0.09
CUM C CU YD	1309.19
CUM F CU YD	1736.04

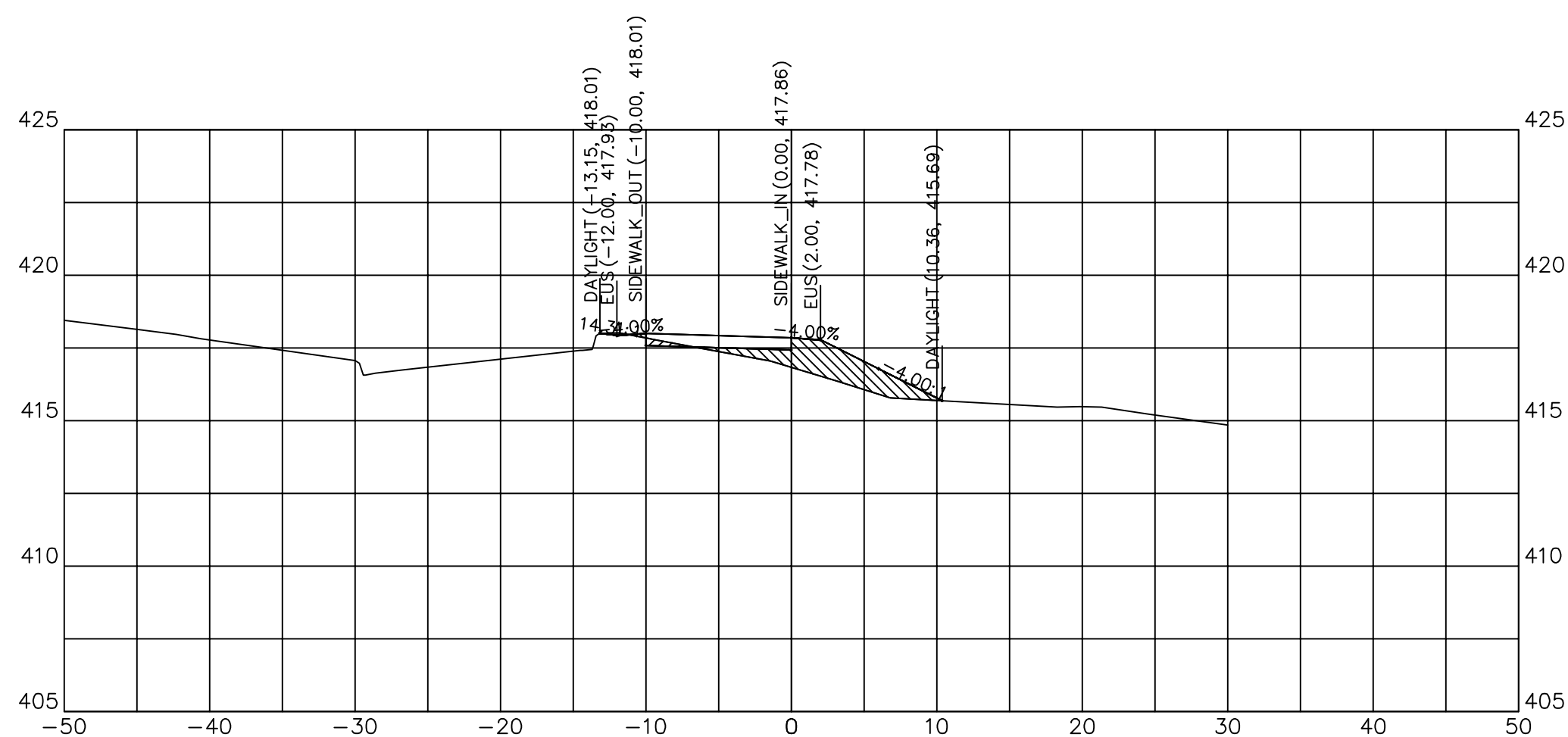
TOTAL CUT - CU YDS 1325  
 SHRINKAGE (20%) - CU YDS 265  
 NET CUT - CU YDS 1060  
 TOTAL FILL REQ'D - CU YDS 1750  
 BORROW REQ'D - CU YDS 690



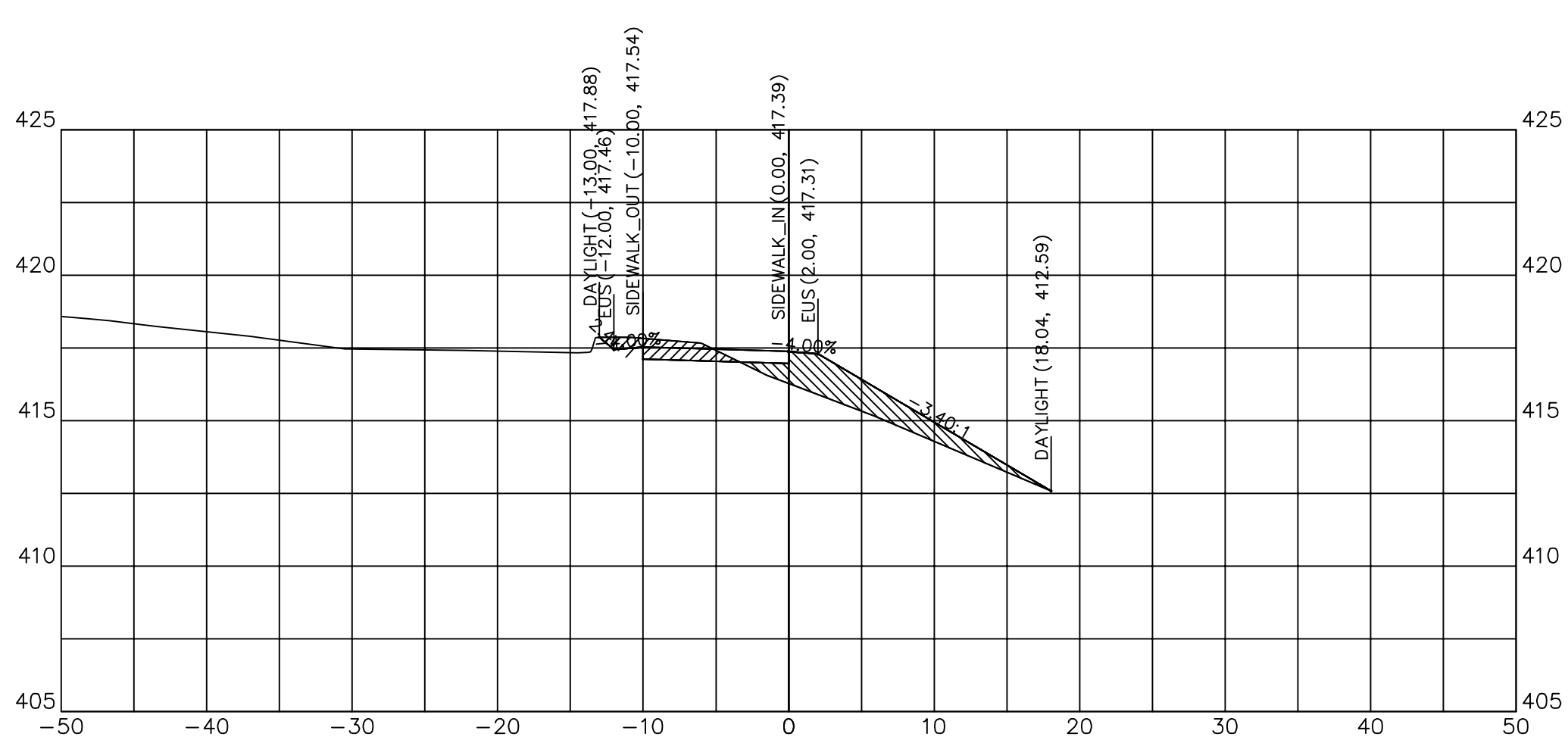
147+25.00	
CUT SQ FT	4.40
FILL SQ FT	0.19
CUT CU YD	2.24
FILL CU YD	4.99
CUM C CU YD	1301.08
CUM F CU YD	1735.95



148+04.03	
CUT SQ FT	0.00
FILL SQ FT	0.00
CUT CU YD	0.47
FILL CU YD	1.54
CUM C CU YD	1325.25
CUM F CU YD	1750.93



147+00.00	
CUT SQ FT	0.52
FILL SQ FT	10.44
CUT CU YD	0.25
FILL CU YD	13.17
CUM C CU YD	1298.84
CUM F CU YD	1730.96



147+98.29	
CUT SQ FT	4.44
FILL SQ FT	14.52
CUT CU YD	15.59
FILL CU YD	13.35
CUM C CU YD	1324.78
CUM F CU YD	1749.38

C:\Civil 3D Projects\JALC SW\DWG\JHCA Multi-Use Path 052020 B.dwg, 7/12/2020 2:52:02 PM, PDF Complete



DESIGNED - JHC  
 DRAWN - JHC  
 CHECKED - WDS  
 DATE - 03/27/20

REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 07/11/20

JOHN A LOGAN COLLEGE  
 MULTI-USE PATH  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MULTI-USE PATH

SCALE: HOR:1=10 VERT:1=5 SHEET 36 OF 36 SHEETS STA. 147+00.00 TO STA. 148+04.03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	65
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW(457)				



# INDEX OF SHEETS

SHEET NO	DESCRIPTION
66	TRAFFIC SIGNAL PLANS
67-71	SCHEDULE OF QUANTITIES
72-75	SCHEDULE OF QUANTITIES
76	TIE POINTS
77	GEOPAK ELEMENT IDENTIFICATION
78	PLAN AND PROFILE - MULTI-USE PATH
79	CONSTRUCTION AND REMOVAL
80	EROSION CONTROL AND PAVEMENT MARKING
81	EXISTING TRAFFIC SIGNALS
82	PROPOSED TRAFFIC SIGNALS
83	TRAFFIC SIGNAL CABLE DIAGRAM
84	PHASE DESIGNATION DIAGRAM
85-86	DETAIL: MULTI-USE PATH
87	DETAIL: CONCRETE COLLAR, SEEDING AND MULCHING, TEMPORARY DITCH CHECKS, DETAIL OF DETECTOR LOOPS
88	DETAIL: COMBINATION CURB AND GUTTER, TYPE M (SPECIAL)
89	DETAIL: POLE STANDARDS
90-96	CROSS SECTIONS

# GENERAL NOTES

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE FURNISHING AND INSTALLATION OF THE 1 1/4 IN. CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT.

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

THE LOCATION OF THE DETECTOR LOOPS AND TRAFFIC SIGNAL FOUNDATIONS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

ALL AGGREGATE SHOWN ON STANDARD 606301 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE MEDIAN SURFACE 4"

# LIST OF STANDARDS

- 000001-07\_STANDARDSYMBOLSABBREVIATIONS&PATTERNS
- 001001-02\_AREASOFREINFREBARS
- 001006\_DECIMALOFINCH&FOOT
- 280001-07\_TEMPEROSIONCNTRLSYSTEMS
- 424001-11\_PERPENDICULARCURBRAMPS
- 424021-05\_DEPRESSEDCORNER
- 424031-02\_MEDIANPEDESTRIANCROSSINGS
- 542301-03\_PRECASTREINFCONCFLAREDENDSECT
- 542401-03\_METALFLAREDENDSECTFORPIPECULV
- 606001-07\_CONCCURBTYP&COMBOCONCC&G
- 606301-04\_PCCISLANDS&MEDIANS
- 701001-02\_OFFRDOP-2L2W-15FTMINFROMEOP
- 701006-05\_OFFRDOP-2L2W-15FTTOEOP
- 701101-05\_OFFRDOP-MULTILN-LESSTHAN15FTTOEOP
- 701106-02\_OFFRDOP-MULTILN-MORETHAN15FTAWAY
- 701422-10\_LNCLOSUREMULTILN-45-55MPH
- 701502-09\_URBANLNCLOSURE2L2WWITHBIDIRECTLEFTTURNLN
- 701701-10\_URBANLNCLOSUREMULTILNINTERSECTION
- 701901-08\_TRAFCNTRLDEVICES
- 814001-03\_HANDHOLES
- 830001-03\_LIGHTPOLEALUMINUMMASTARM
- 836001-04\_LIGHTPOLEFOUNDATION
- 838001-01\_BREAKAWAYDEVICES
- 857001-01\_STDPHASEDESIGNATIONDIAGRAMS&PHASESEQ
- 873001-02\_TRAFSIGNALGROUND&BOND
- 876001-04\_PEDESTRIANPUSHBUTTONPOST
- 877011-10\_STEELCOMBOMASTARMASSEMBLY&POLE16'THRU55'
- 878001-10\_CONCRETEFOUNDATIONDETAILS
- 880006-01\_TRFSIGNALMOUNTDETAILS-POST&BRACKETMOUNT
- 886001-01\_DETECTORLOOPINSTALLATIONS
- 886006-01\_TYPICALLAYOUTSFORDETECTIONLOOPS

# COMMITMENTS

NONE

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 FILE: Main18-0001-00-BT.dwg  
 PROJECT: 18-0001-00-BT  
 USER: harpja  
 DATE: 2/8/2021

USER NAME = harpja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL PLANS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISIED -						18-0001-00-BT	WILLIAMSON	96	66	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 99654				
PLOT DATE = 2/8/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT ONW6(427)





# SCHEDULE OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	IL 13 / GREENBRIAR RD
FUNDING:	
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY 0021
28000305	TEMPORARY DITCH CHECKS	FOOT	90	90
28000400	PERIMETER EROSION BARRIER	FOOT	781	781
28000500	INLET AND PIPE PROTECTION	EACH	5	5
42001300	PROTECTIVE COAT	SQ YD	647	647
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,095	5,095
42400800	DETECTABLE WARNINGS	SQ FT	222	222
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	61	61
44000600	SIDEWALK REMOVAL	SQ FT	99	99
44004250	PAVED SHOULDER REMOVAL	SQ YD	31	31
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	41	41
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
54248510	CONCRETE COLLAR	CU YD	0.29	0.29

MODEL: C:\p1\it...  
 FILE: NAME: p1\planroom.dwg  
 PROJECT: 13\_green\_red\_crossing\CADD\Drawings\Drawings\Sheet\Sheet13.dwg

## SCHEDULE OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	IL 13 / GREENBRIAR RD
FUNDING:	
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY 0021
54262715	METAL FLARED END SECTIONS 15"	EACH	4	4
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	33	33
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	12	12
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	12	12
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	264	264
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	105	105
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	658	658
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	115	115
80300100	LOCATING UNDERGROUND CABLE	FOOT	150	150

MODEL: Default  
 FILE: Main13 - Williamson.dwg  
 PROJECT: 13 - Green and Crossing  
 OFFICE: District 9  
 DATE: 2/8/2021

USER NAME = harpja PLOT SCALE = 100.0000' / in. PLOT DATE = 2/8/2021	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>	SCALE:	SHEET OF SHEETS STA. TO STA.	F.A. RTE.	SECTION 18-00001-00-BT	COUNTY WILLIAMSON	TOTAL SHEETS 96	SHEET NO. 69	CONTRACT NO. 99654 ILLINOIS FED. AID PROJECT ONW6(427)
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## SCHEDULE OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	IL 13 / GREENBRIAR RD
FUNDING:	
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY 0021
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	140	140
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,193	2,193
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,669	2,669
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	860	860
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	857	857
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	6	6
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	3
87900200	DRILL EXISTING HANDHOLE	EACH	9	9
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6	6
88600100	DETECTOR LOOP, TYPE I	FOOT	115	115
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6	6
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1	1

MODEL: Default  
FILE: Main13 - Williamson.dwg  
PROJECT: 13 - Green Ped Crossing  
OFFICE: District 9  
DATE: 2/8/2021

USER NAME = harpja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	96	70
PLOT DATE = 2/8/2021	DATE -	REVISED -		CONTRACT NO. 99654							ILLINOIS FED. AID PROJECT ONW6(427)	

# SCHEDULE OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	IL 13 / GREENBRIAR RD
FUNDING:	
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY 0021
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	1
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	258	258
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	137	137
X6061815	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL)	FOOT	76	76
X8140115	HANDHOLE TO BE ADJUSTED	EACH	2	2

MODEL: Default  
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## EARTHWORK SCHEDULE

LOCATION STATION TO STATION			LENGTH (INFORMATION ONLY)	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	FURNISHED EXCAVATION / EARHTWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMARKS
			FOOT	CU YD	CU YD	CU YD	CU YD	
<b>GREEN_PATH</b>								
101+03	TO	105+20	417	55	41	142	-101	W SIDE OF GREENBRIAR
105+88	TO	106+46	58	3	2	7	-5	SE QUAD OF IL 13 AND GREENBRIAR
107+00	TO	107+20	20	1	1	2	-1	IL 13 MEDIAN
108+20	TO	108+39	19	3	2	1	1	NE QUAD OF IL 13 AND GREENBRIAR
<b>13EBL_3</b>								
411+42	TO	411+76	34	1	1	0	1	DITCH AT 42' RIGHT
<b>FRONTRD1</b>								
0+57	TO	2+00	143	16	12	6	6	DITCH AT 22' -48' RIGHT
<b>TOTAL</b>					<b>79</b>		<b>99</b>	

25% SHRINKAGE FACTOR FOR EARTH EXCAVATION

## EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION			SEEDING, CLASS 2	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD, 2	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY EROSION CONTROL SEEDING
			ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	SQ YD	FOOT	FOOT	EACH	POUND
<b>GREEN_PATH</b>														
101+03	TO	105+20	0.26	0.26	23.4	23.4	23.4	0.52	0.52	67.1	30	389		52
102+25													3	
104+98													2	
105+88	TO	106+46	0.02	0.02	1.8	1.8	1.8	0.04	0.04			80		4
107+00	TO	107+20	0.01	0.01	0.9	0.9	0.9	0.02	0.02			28		2
108+20	TO	108+39	0.01	0.01	0.9	0.9	0.9	0.02	0.02			67		2
<b>13EBL_3</b>														
411+42	TO	411+76	0.01	0.01	0.9	0.9	0.9	0.02	0.02	22.5	30	44		2
<b>FRONTRD1</b>														
0+57	TO	2+00	0.08	0.08	7.2	7.2	7.2	0.16	0.16	112.5	30	173		16
<b>TOTAL</b>			<b>0.39</b>	<b>0.39</b>	<b>35.1</b>	<b>35.1</b>	<b>35.1</b>	<b>0.78</b>	<b>0.78</b>	<b>202.1</b>	<b>90</b>	<b>781</b>	<b>5</b>	<b>78</b>

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USER NAME = harpja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-0001-00-BT	WILLIAMSON	96	73
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				

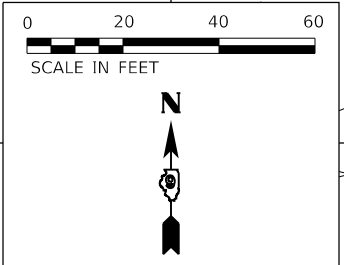
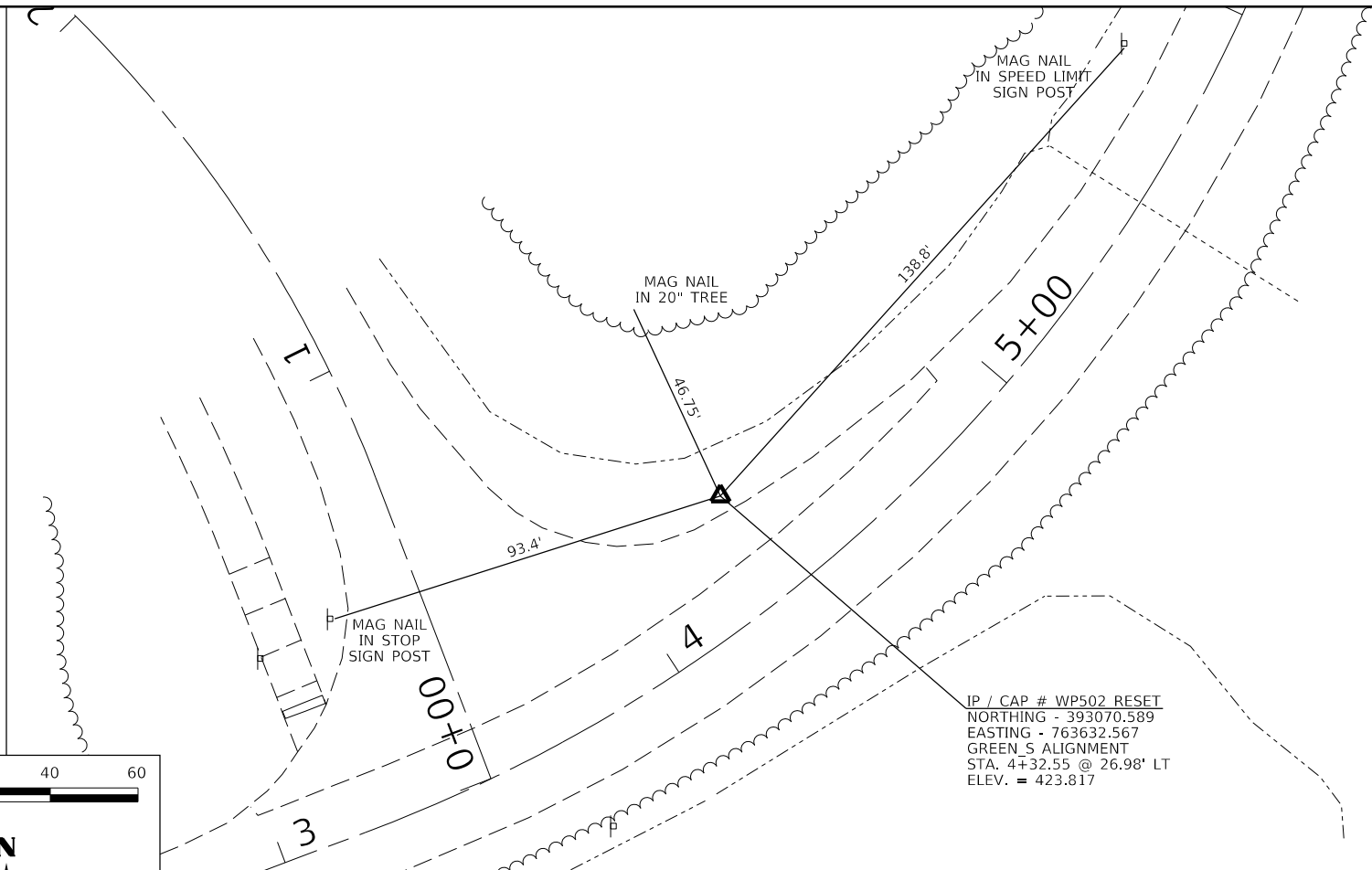




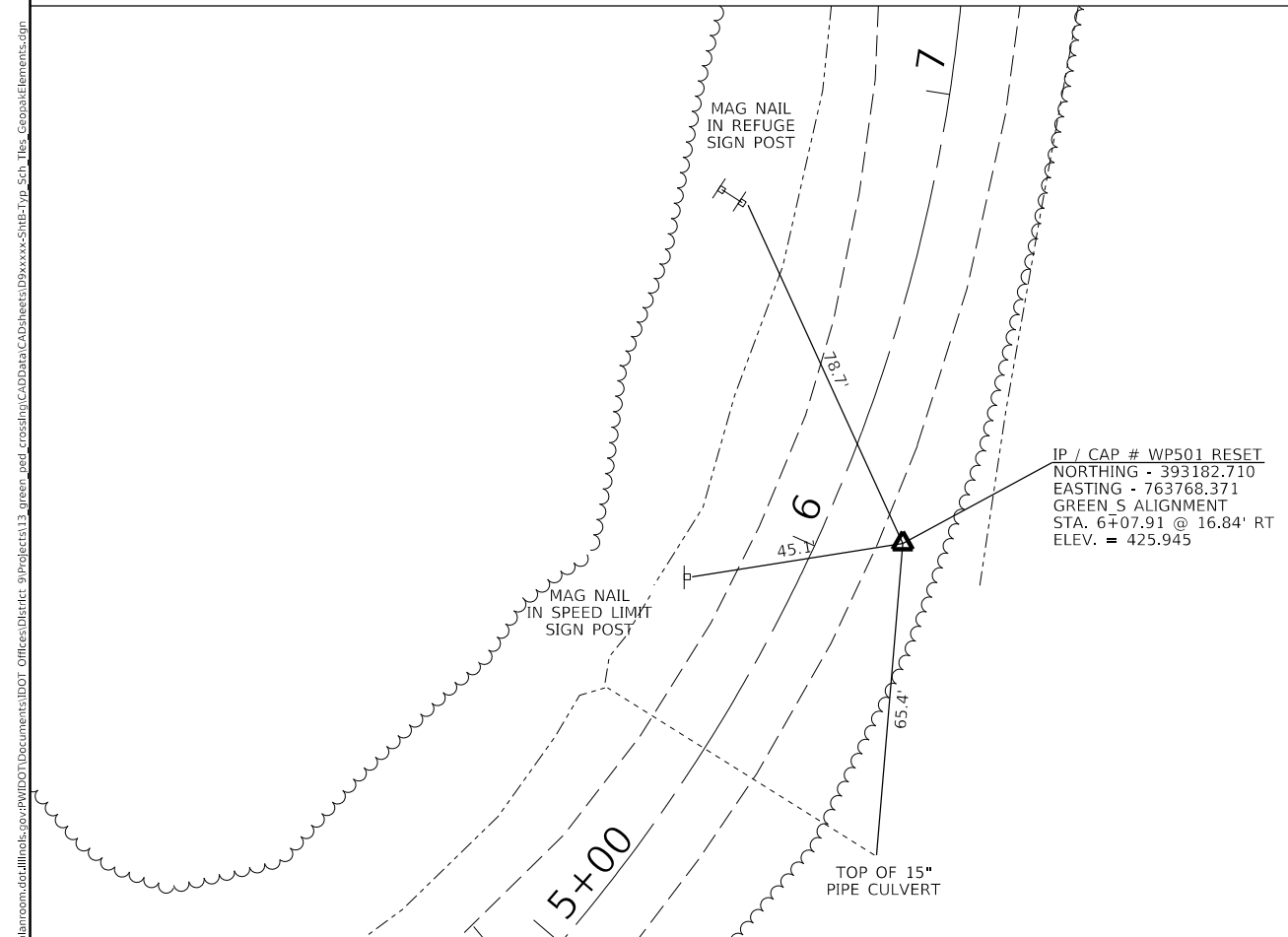




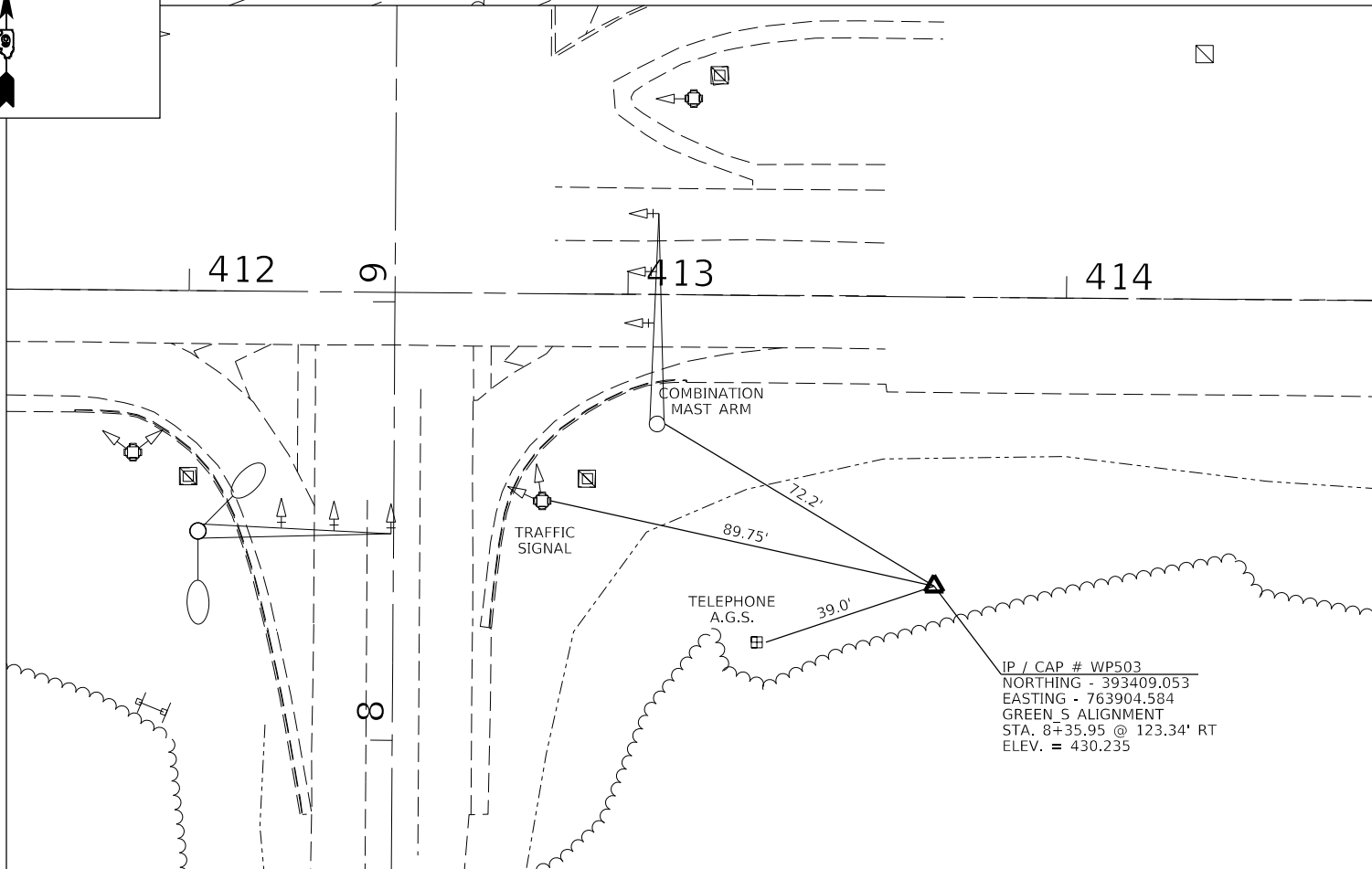
# THIS SPACE INTENTIONALLY LEFT BLANK



IP / CAP # WP502 RESET  
 NORTHING - 393070.589  
 EASTING - 763632.567  
 GREEN S ALIGNMENT  
 STA. 4+32.55 @ 26.98' LT  
 ELEV. = 423.817



IP / CAP # WP501 RESET  
 NORTHING - 393182.710  
 EASTING - 763768.371  
 GREEN S ALIGNMENT  
 STA. 6+07.91 @ 16.84' RT  
 ELEV. = 425.945



IP / CAP # WP503  
 NORTHING - 393409.053  
 EASTING - 763904.584  
 GREEN S ALIGNMENT  
 STA. 8+35.95 @ 123.34' RT  
 ELEV. = 430.235

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USER NAME = harpja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TIE POINTS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	76
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

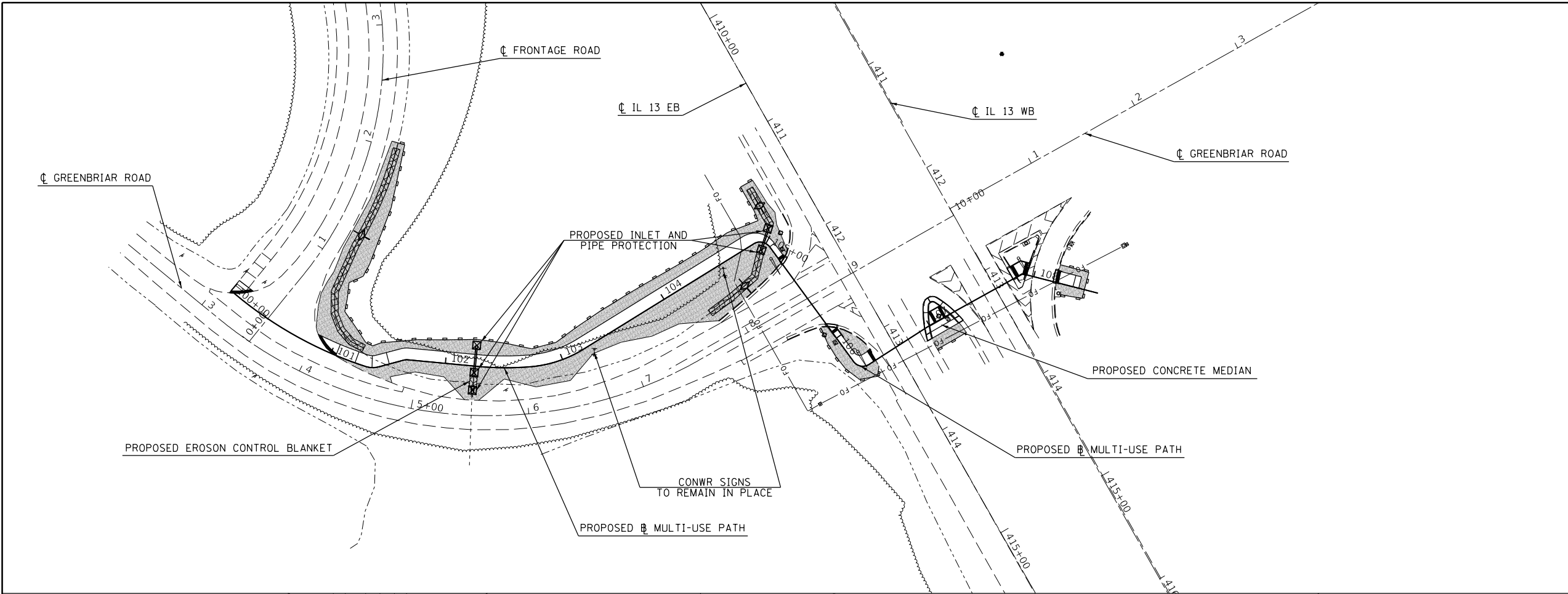




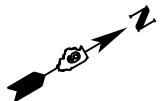











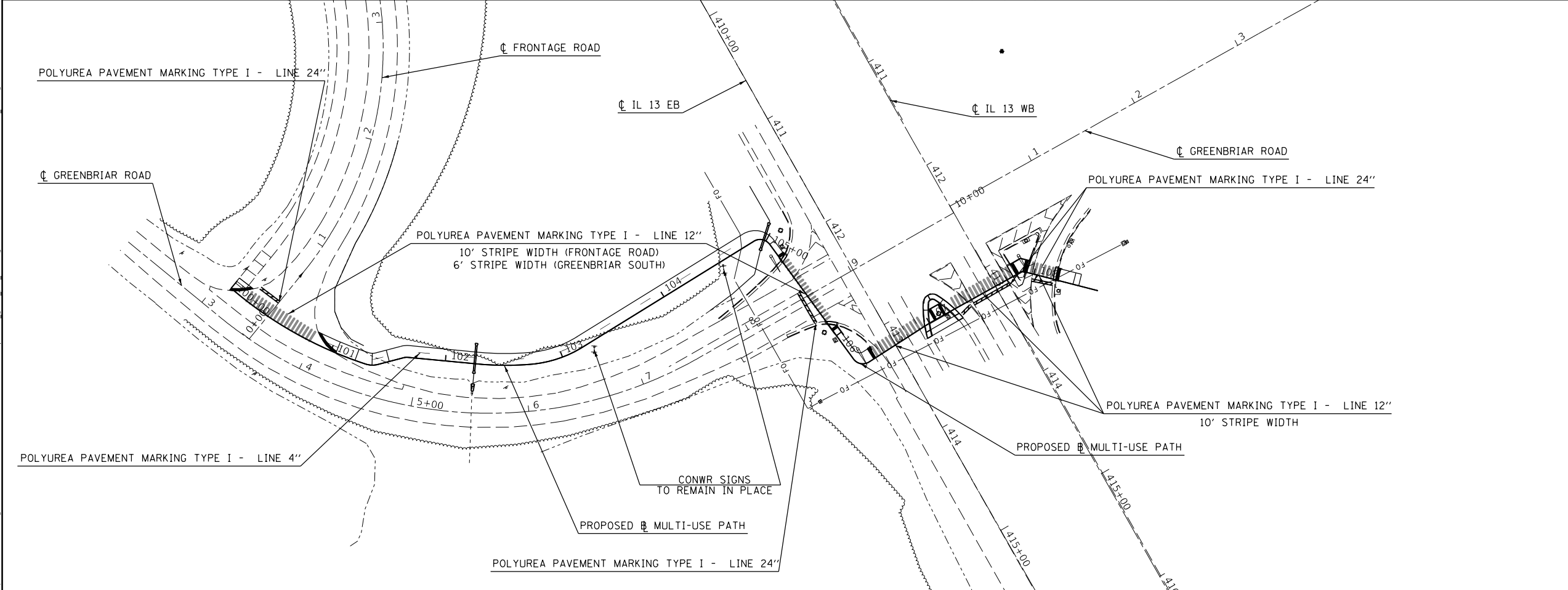


**EROSION CONTROL**



**LEGEND**

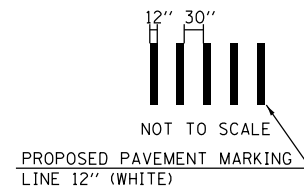
-  SEEDING, CLASS 2
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER



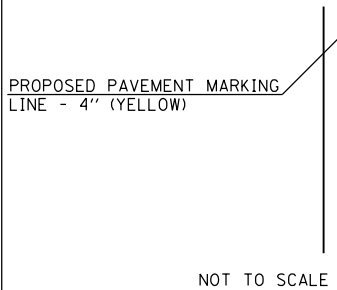
**PAVEMENT MARKING**



**PEDESTRIAN CROSSING PAVEMENT MARKING DETAIL**



**PAVEMENT MARKING DETAIL MULTI-USE PATH**



MODEL: Default  
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 PLOT DATE: 7/15/2020  
 PROJECT: 13\_000001\_00-BT  
 SHEET: 96  
 CONTRACT: 99654

USER NAME = harpja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND PAVEMENT MARKING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	80
CONTRACT NO. 99654			ILLINOIS FED. AID PROJECT ONW6(427)	



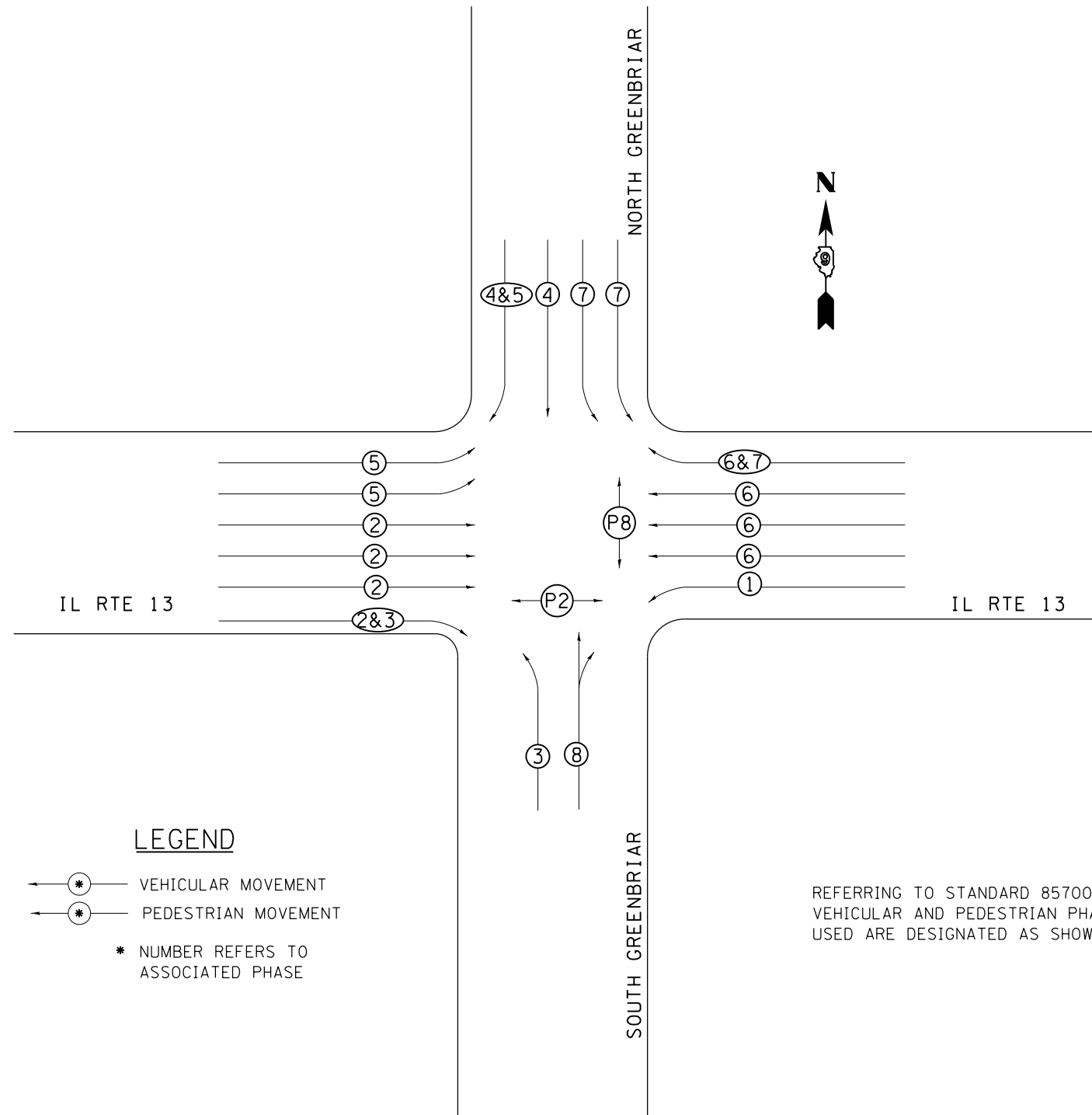








# PHASE DESIGNATION DIAGRAM IL RTE 13 WITH GREENBRIAR RD



### LEGEND

- ← \* — VEHICULAR MOVEMENT
- ← \* — PEDESTRIAN MOVEMENT
- \* NUMBER REFERS TO ASSOCIATED PHASE

REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED AS SHOWN.

MODEL: Default  
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USER NAME = harpja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### PHASE DESIGNATION DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-0001-00-BT	WILLIAMSON	96	84
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

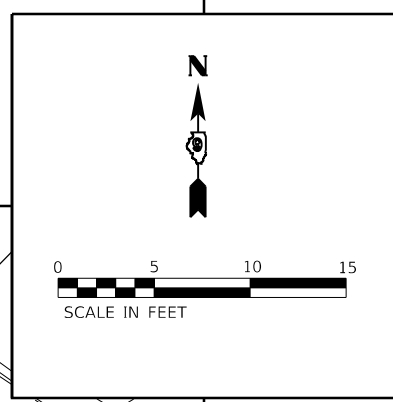
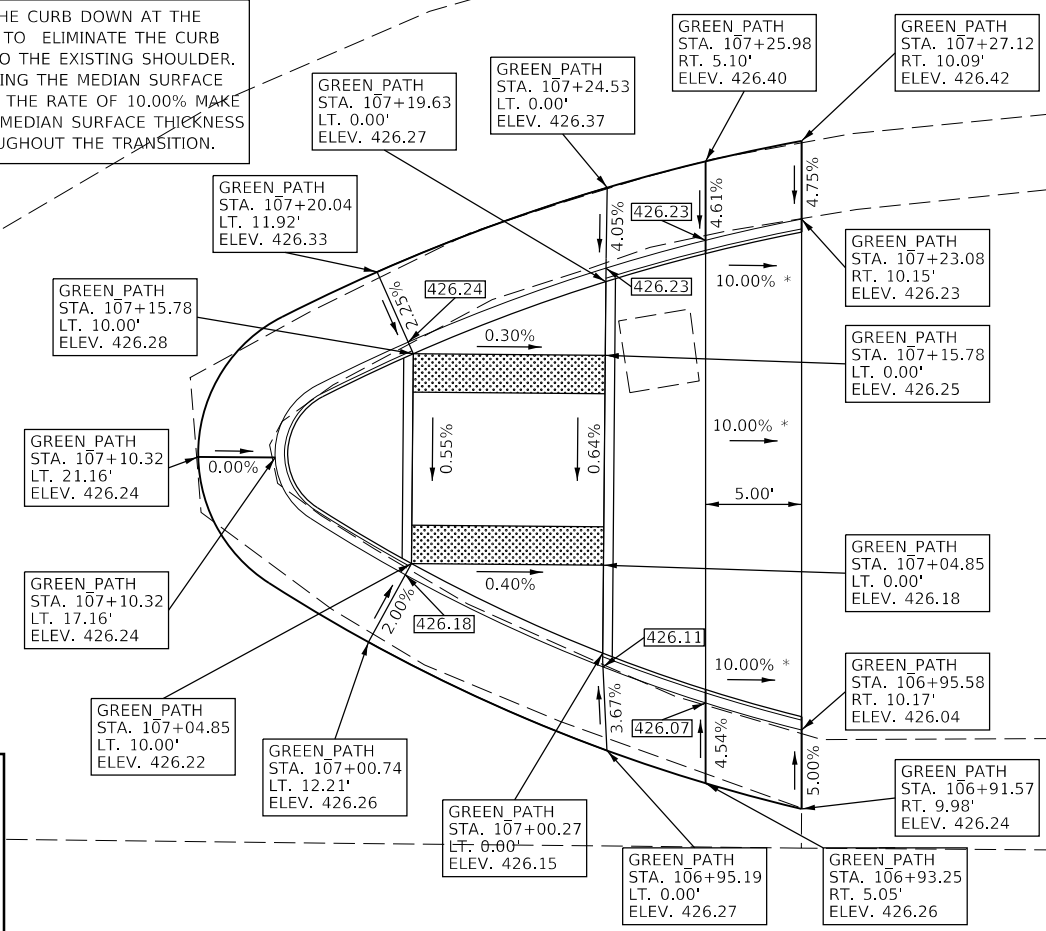




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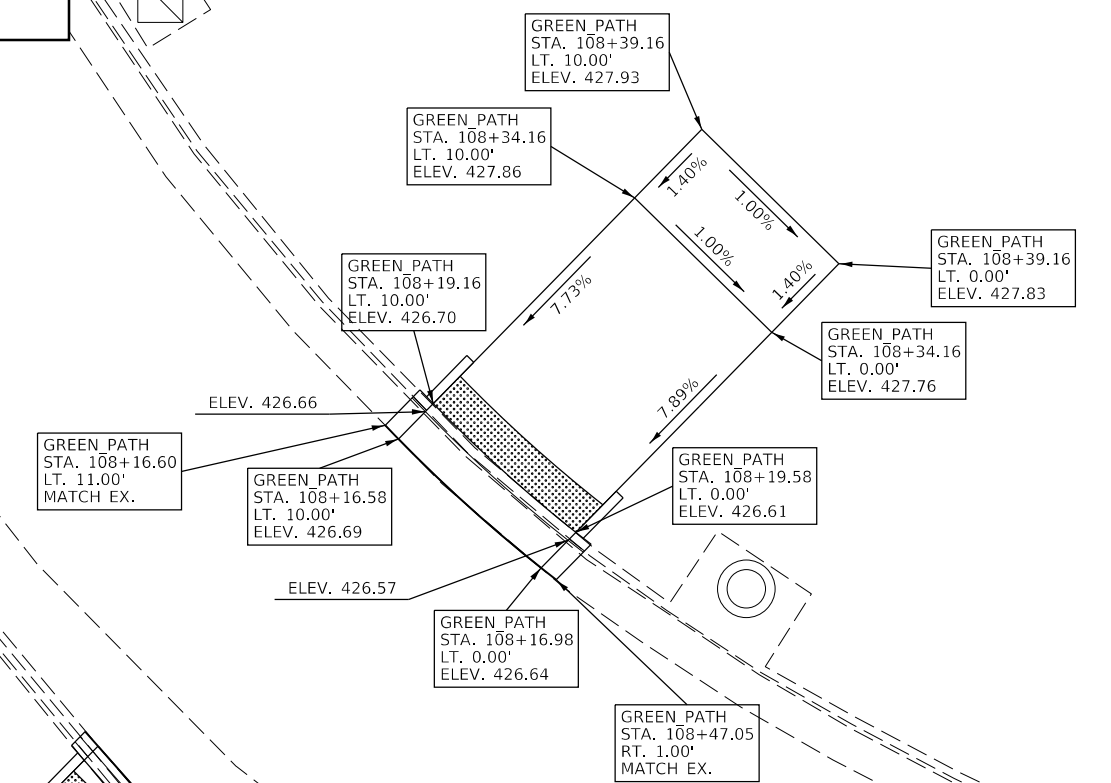
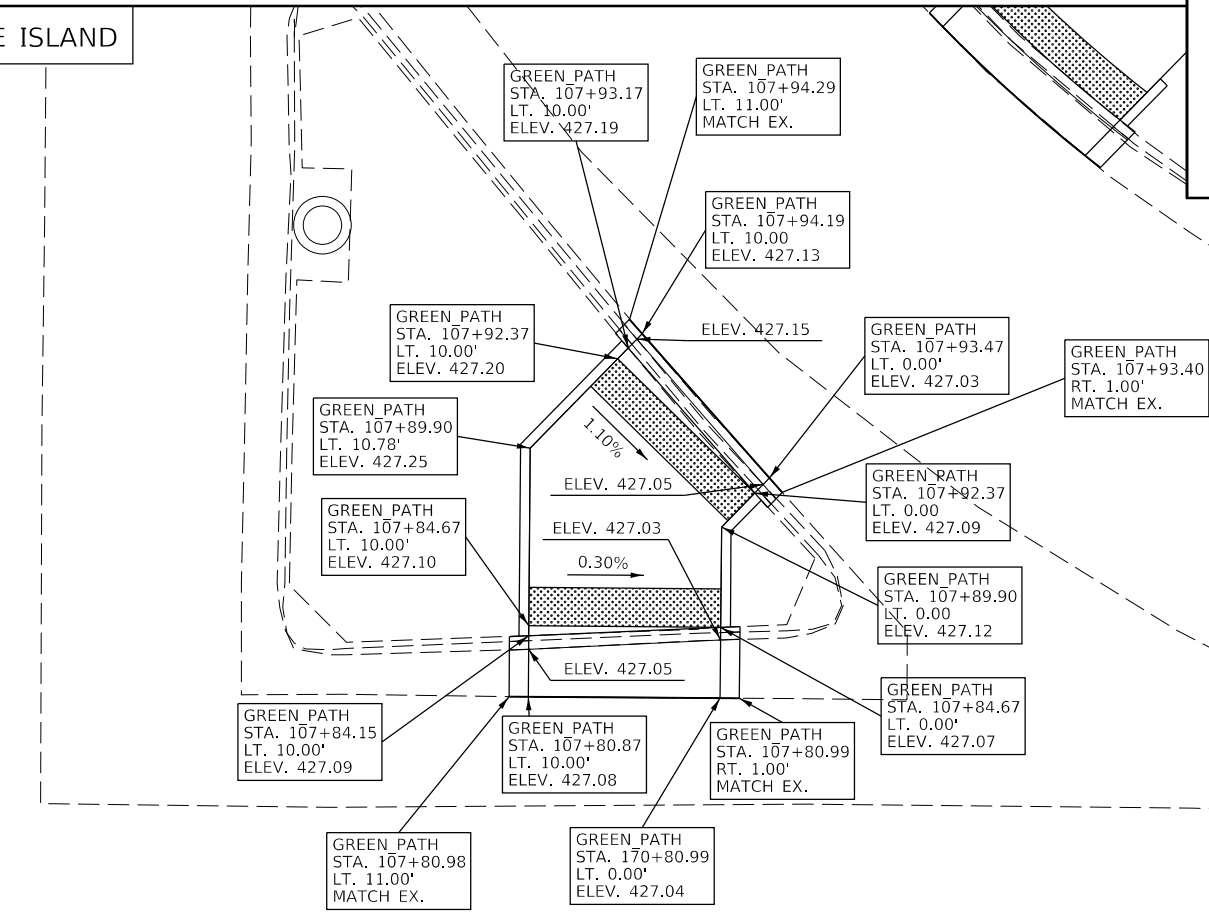
\* TRANSITION THE CURB DOWN AT THE RATE OF 10.00% TO ELIMINATE THE CURB WHERE IT TIES INTO THE EXISTING SHOULDER. WHEN TRANSITIONING THE MEDIAN SURFACE WITH THE CURB AT THE RATE OF 10.00% MAKE SURE TO KEEP THE MEDIAN SURFACE THICKNESS CONSTANT THROUGHOUT THE TRANSITION.

IL 13 MEDIAN



IL 13 NE ISLAND

NE QUAD IL 13 AND GREENBRIAR



MODEL: Default  
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DRAWN -	REVISED -	
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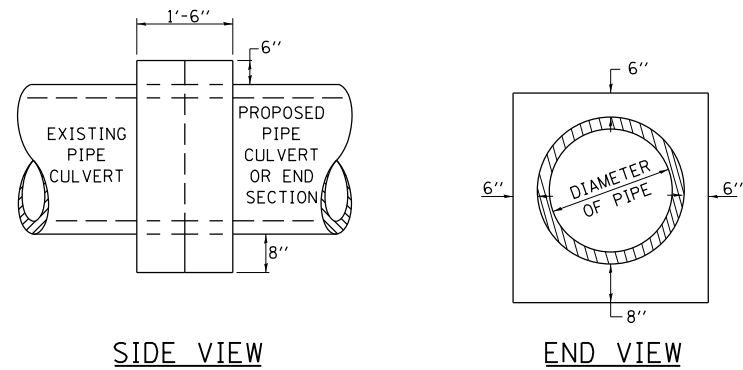
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAIL: MULTI-USE PATH

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-0001-00-BT	WILLIAMSON	96	86
CONTRACT NO. 99654				
ILLINOIS FED. AID PROJECT ONW6(427)				

## CONCRETE COLLAR PIPE TO PIPE



### TABULATION

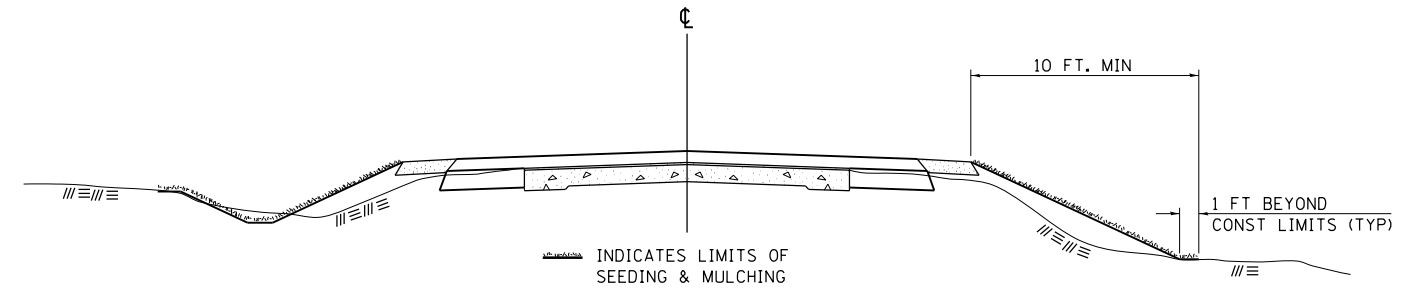
DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS	
DRAWN	7-13-90
REVISED	8-22-94
REVISED	3-26-08
REVISED	5-17-13

STD. 9-79

## SEEDING & MULCHING



### GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

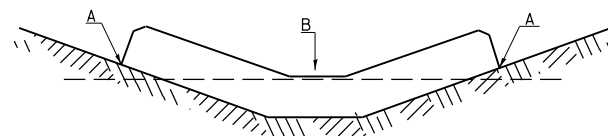
SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

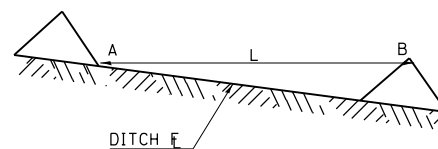
## TEMPORARY DITCH CHECKS

### PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

### SPACING BETWEEN TEMPORARY DITCH CHECKS



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

REVISIONS		REVISIONS	
DRAWN	9-01-99	REDRAWN	5-13-02
REVISED	10-3-01	REVISED	10-27-05
RESIZED	5-8-08	REVISED	3-26-08
REVISED	05-04-10	REDRAWN	3-16-11
REVISED	5-17-13	REVISED	4-12-13

STD. 9-108

STD. 9-92

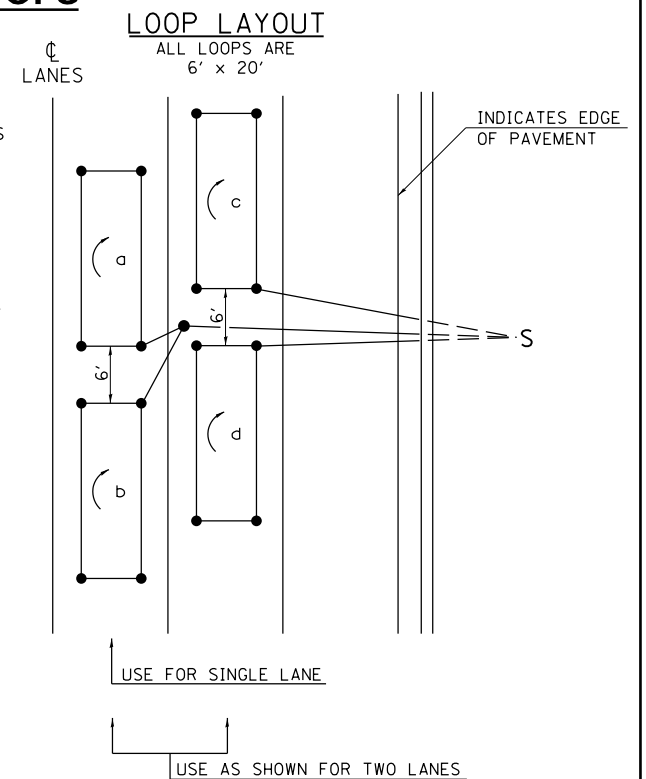
## DETAIL OF DETECTOR LOOPS

### NOTES

- THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
- WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

### LOOP LEGEND

- ( ) CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL



### DETAIL 6' x 20' DETECTOR LOOPS

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS: CONCRETE COLLAR, SEEDING AND MULCHING  
TEMPORARY DITCH CHECKS, DETAIL OF DETECTOR LOOPS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	87
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT QHW6(427)				







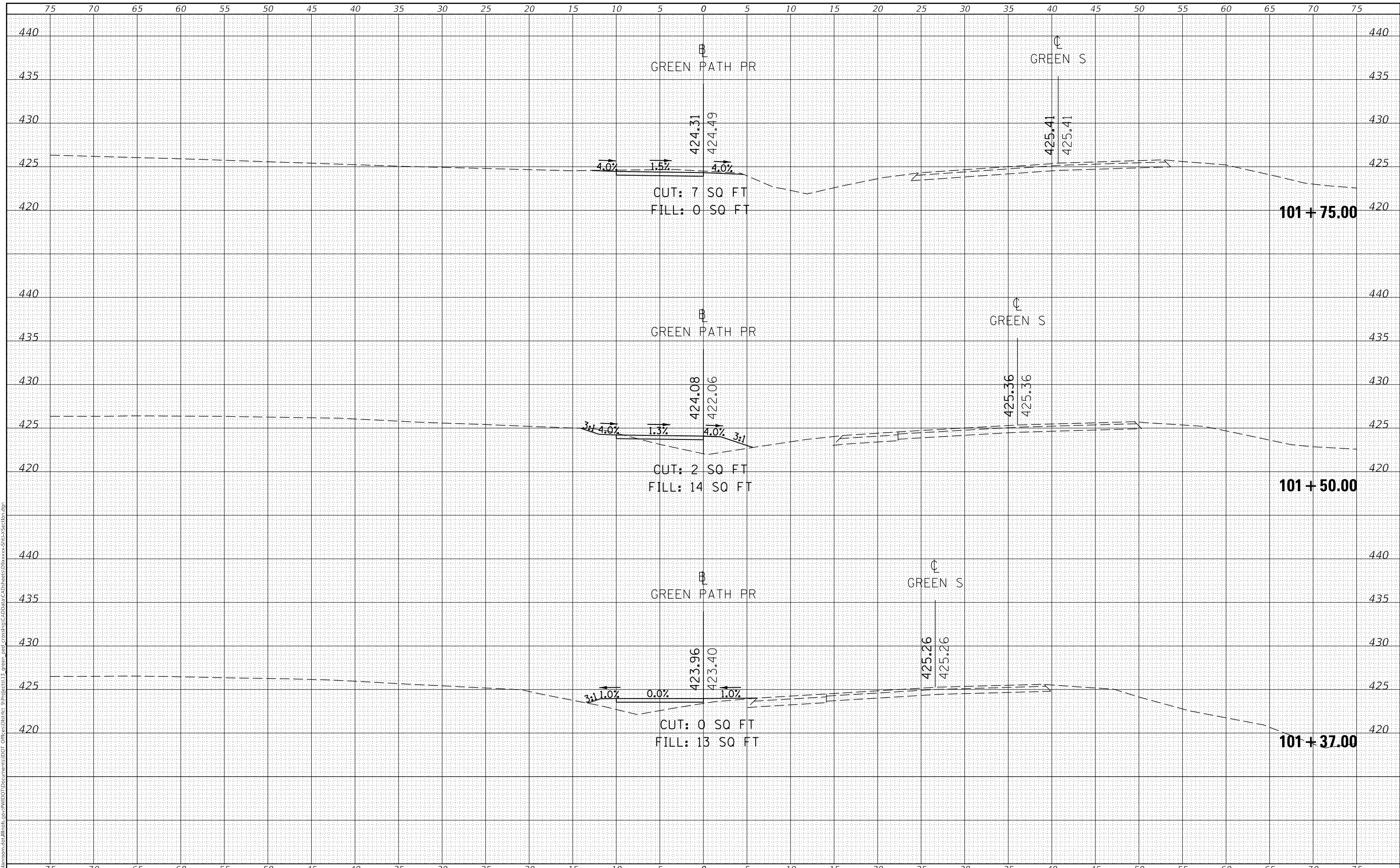




DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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

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	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS-SECTIONS</b>	
SCALE:	SHEET OF SHEETS
STA. 101+37.00 TO STA. 101+75.00	

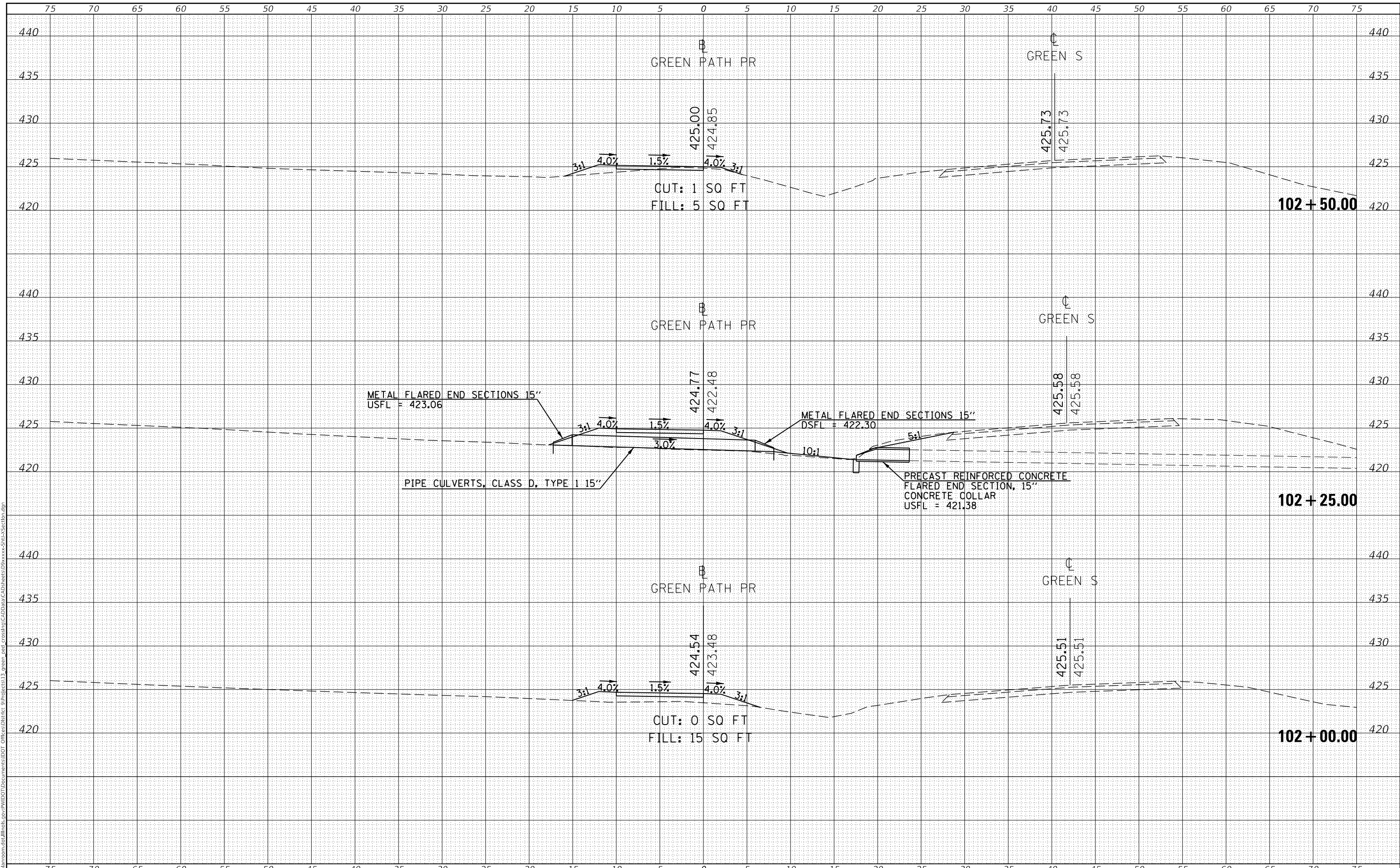
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			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				



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

DATE	
BY	
SURVEYED	
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	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

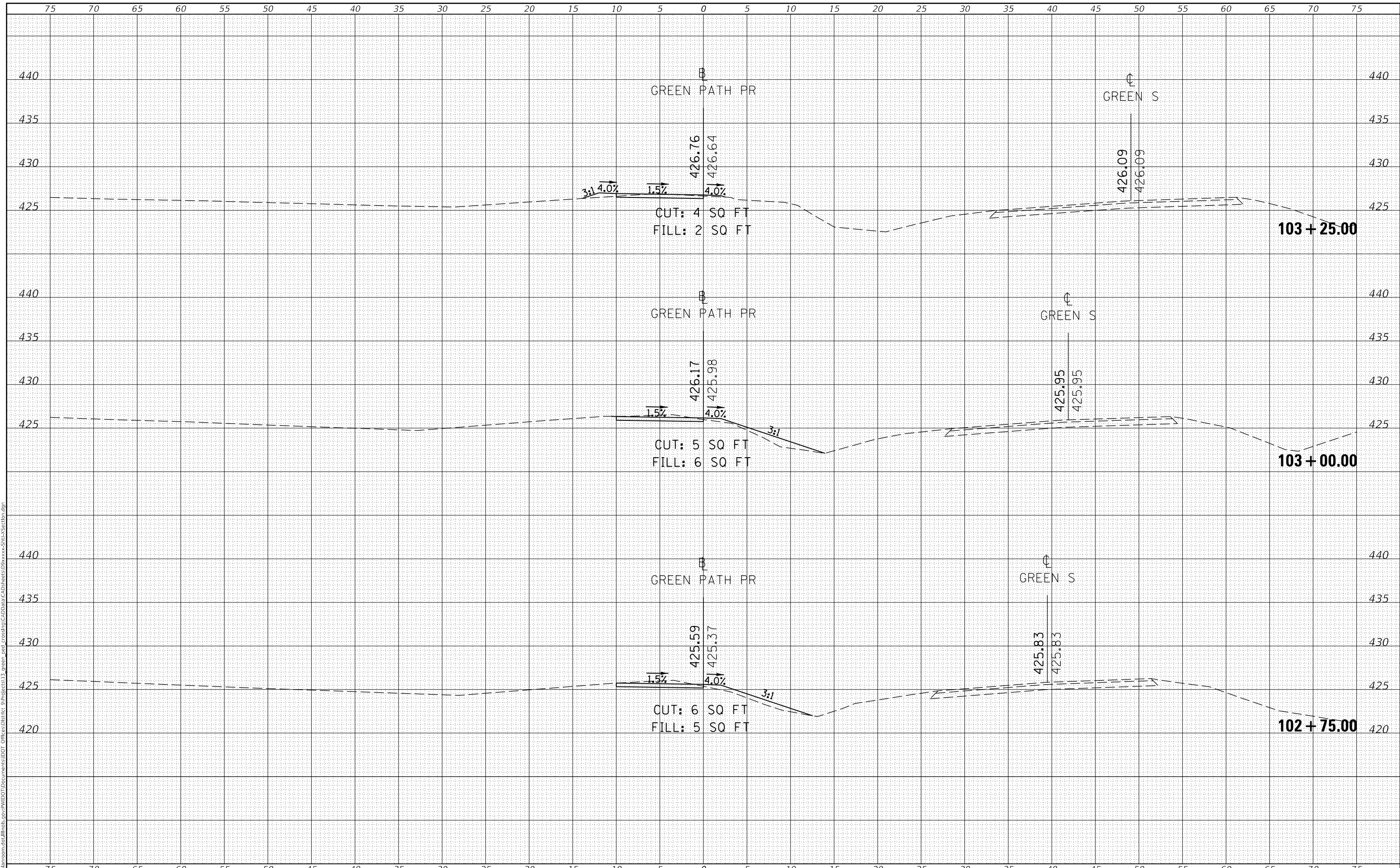
<b>CROSS-SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 102+00.00 TO STA. 102+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-0001-00-BT	WILLIAMSON	96	92
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				

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

DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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USER NAME = harpja	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/15/2020	DATE -	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 102+75.00 TO STA. 103+25.00

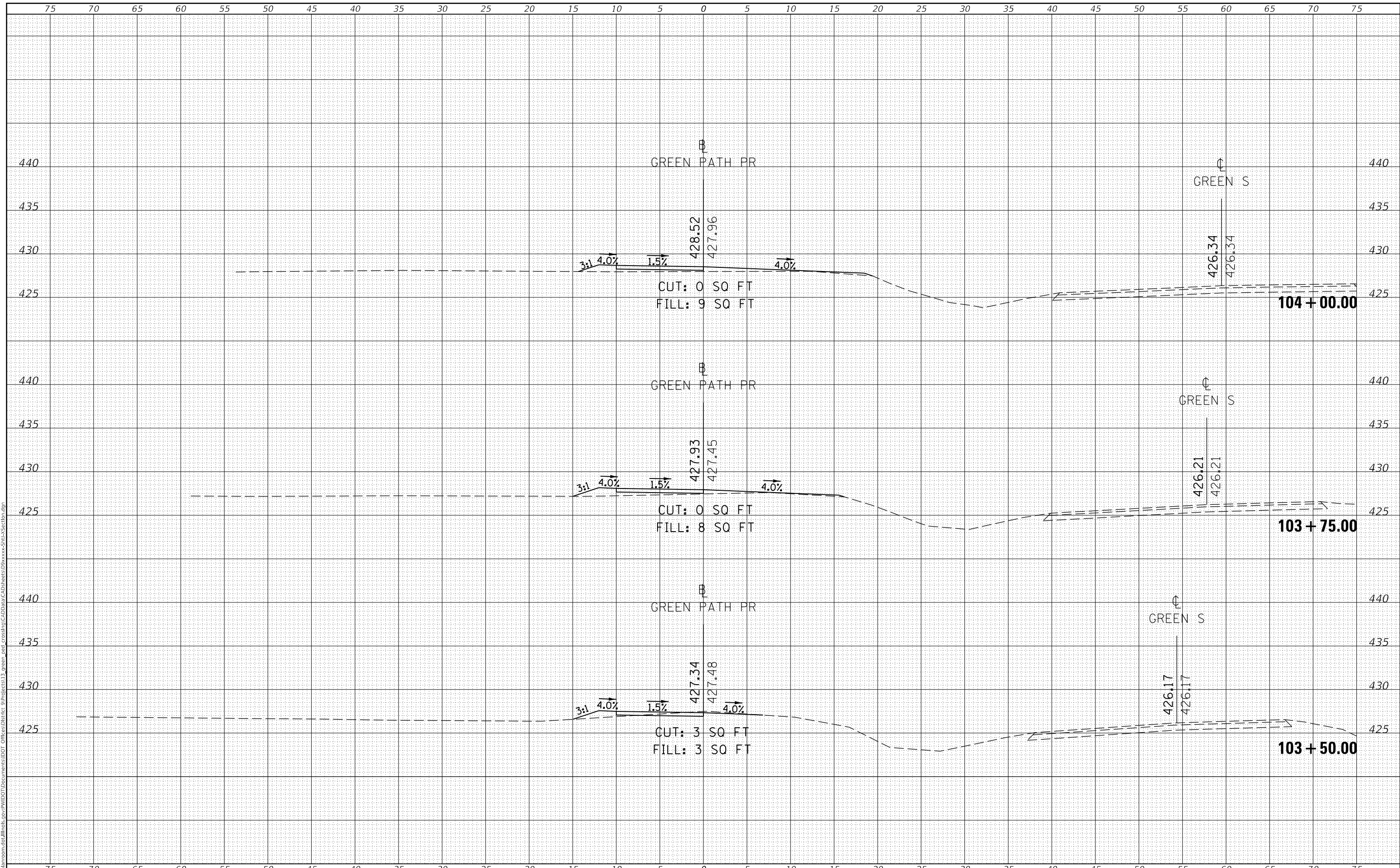
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	18-0001-00-BT	WILLIAMSON	96	93
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				



DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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		DRAWN -	REVISIED -
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PLOT DATE =	7/15/2020	DATE -	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS-SECTIONS**

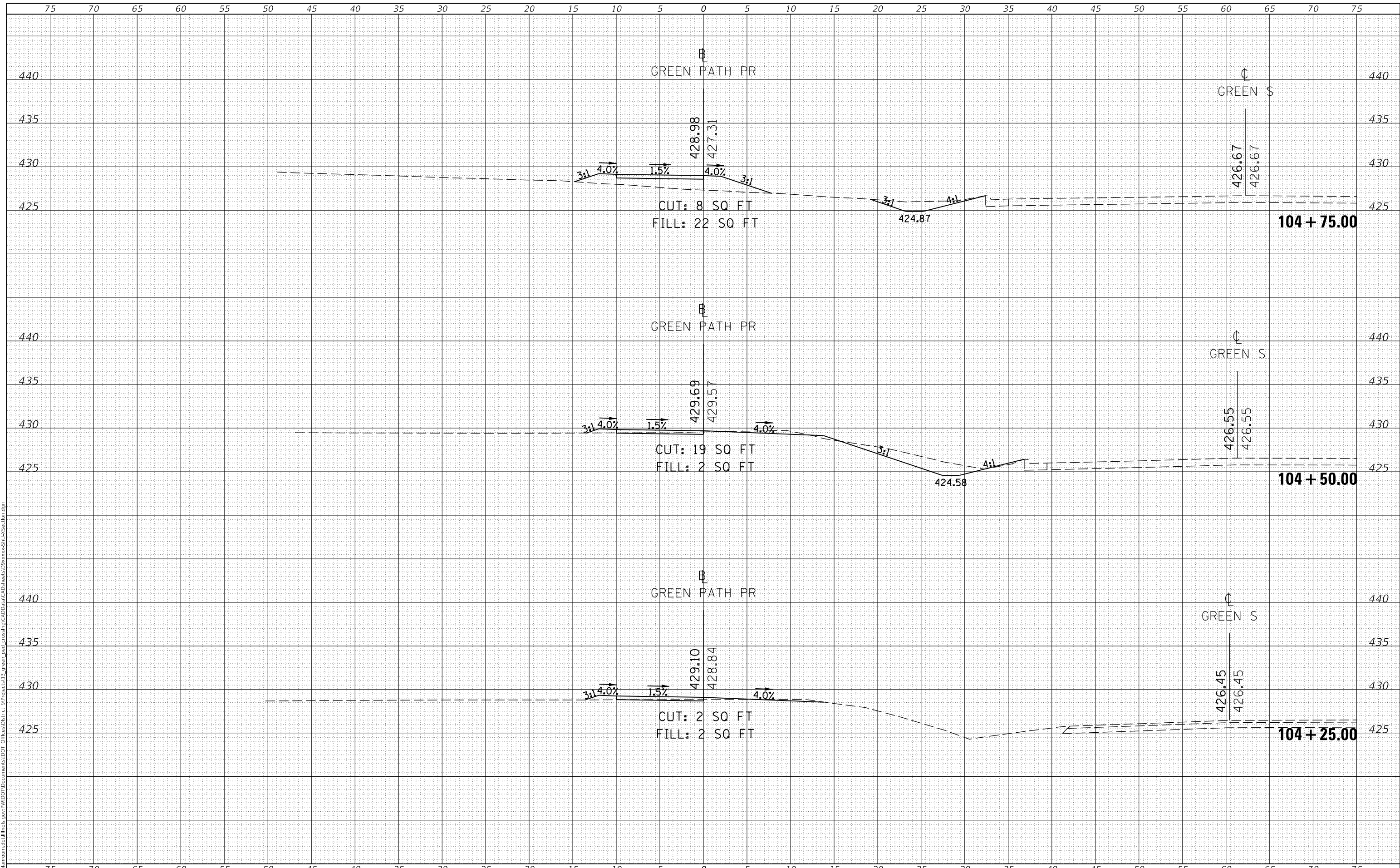
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00001-00-BT	WILLIAMSON	96	94
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				

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

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

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	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS-SECTIONS</b>	
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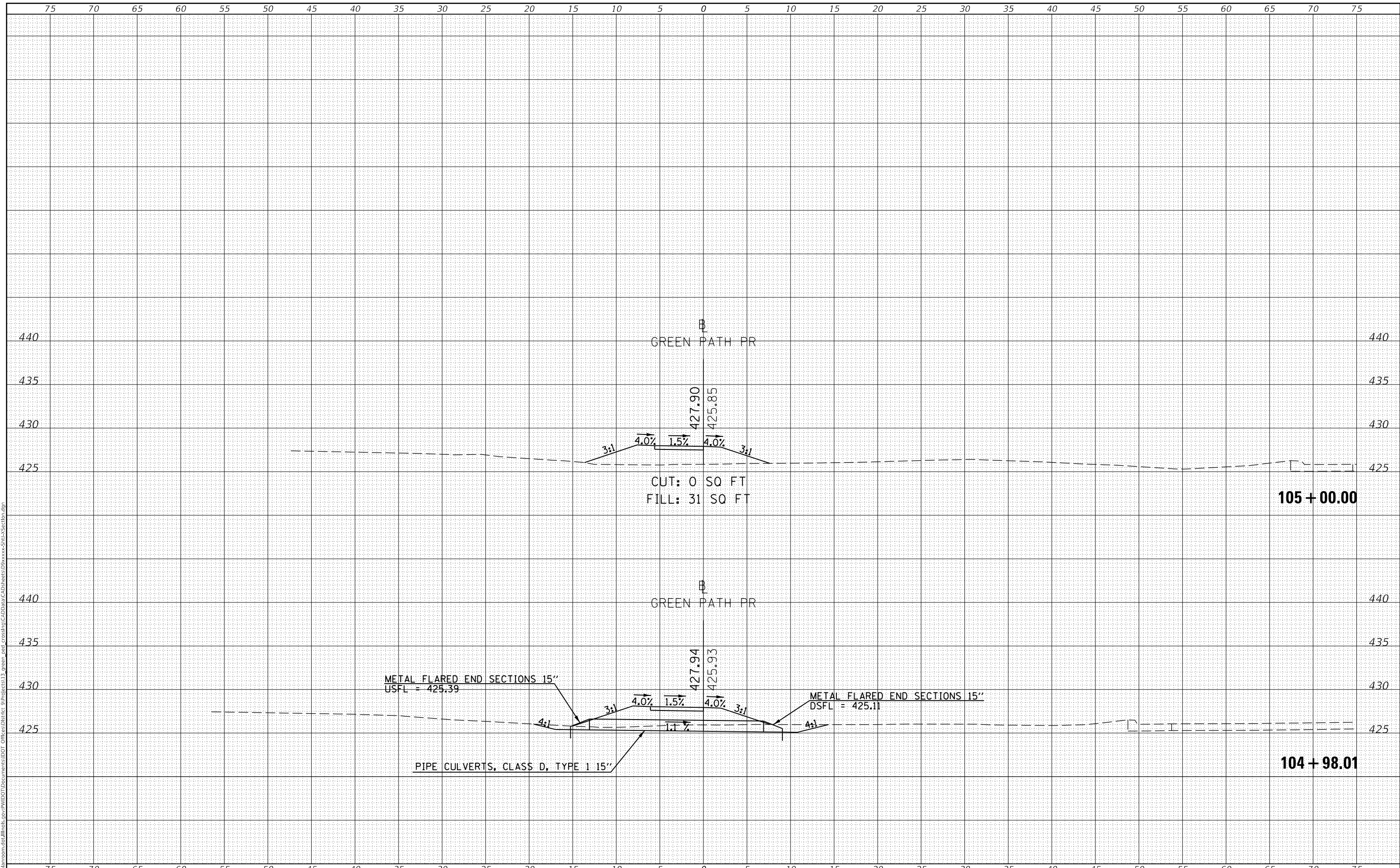
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	18-00001-00-BT	WILLIAMSON	96	95
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				



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

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

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USER NAME = harpja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 104+98.01 TO STA. 105+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-0001-00-BT	WILLIAMSON	96	96
			CONTRACT NO. 99654	
ILLINOIS FED. AID PROJECT ONW6(427)				