

CONSTR. CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005 RURAL
20100500	TREE REMOVAL, ACRES	ACRE	0.50	0.50
20200100	EARTH EXCAVATION	CU YD	7095	7095
20400800	FURNISHED EXCAVATION	CU YD	13480	13480
20700110	POROUS GRANULAR EMBANKMENT	TON	2350	2350
25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25
25000350	SEEDING, CLASS 7	ACRE	1.25	1.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	113	113
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	113	113
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	113	113
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.5	2.5
25100115	MULCH, METHOD 2	ACRE	2.50	2.50
25100630	EROSION CONTROL BLANKET	SQ YD	1583	1583
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	125	125
28000400	PERIMETER EROSION BARRIER	FOOT	709	709
30201500	LIME	TON	801	801



⚠️ REVISED 6-7-2022

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Civil Engineering Design

USER NAME = ANugent	DESIGNED - AN	REVISED -
	DRAWN - AN	REVISED -
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PLOT DATE = 2/9/2022	DATE - 2/9/2022	REVISED -

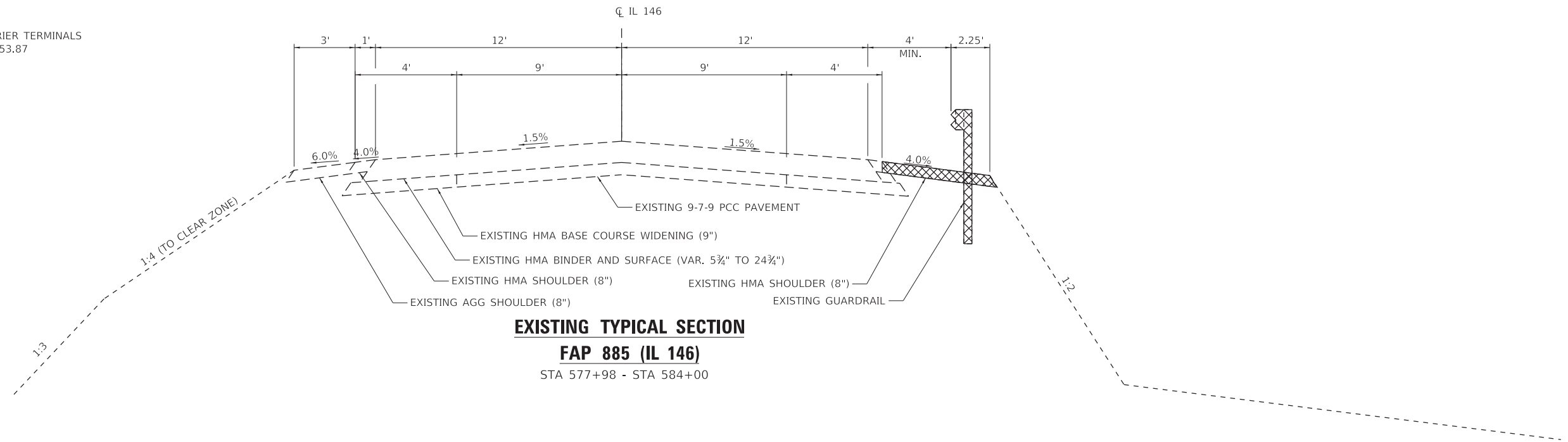
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

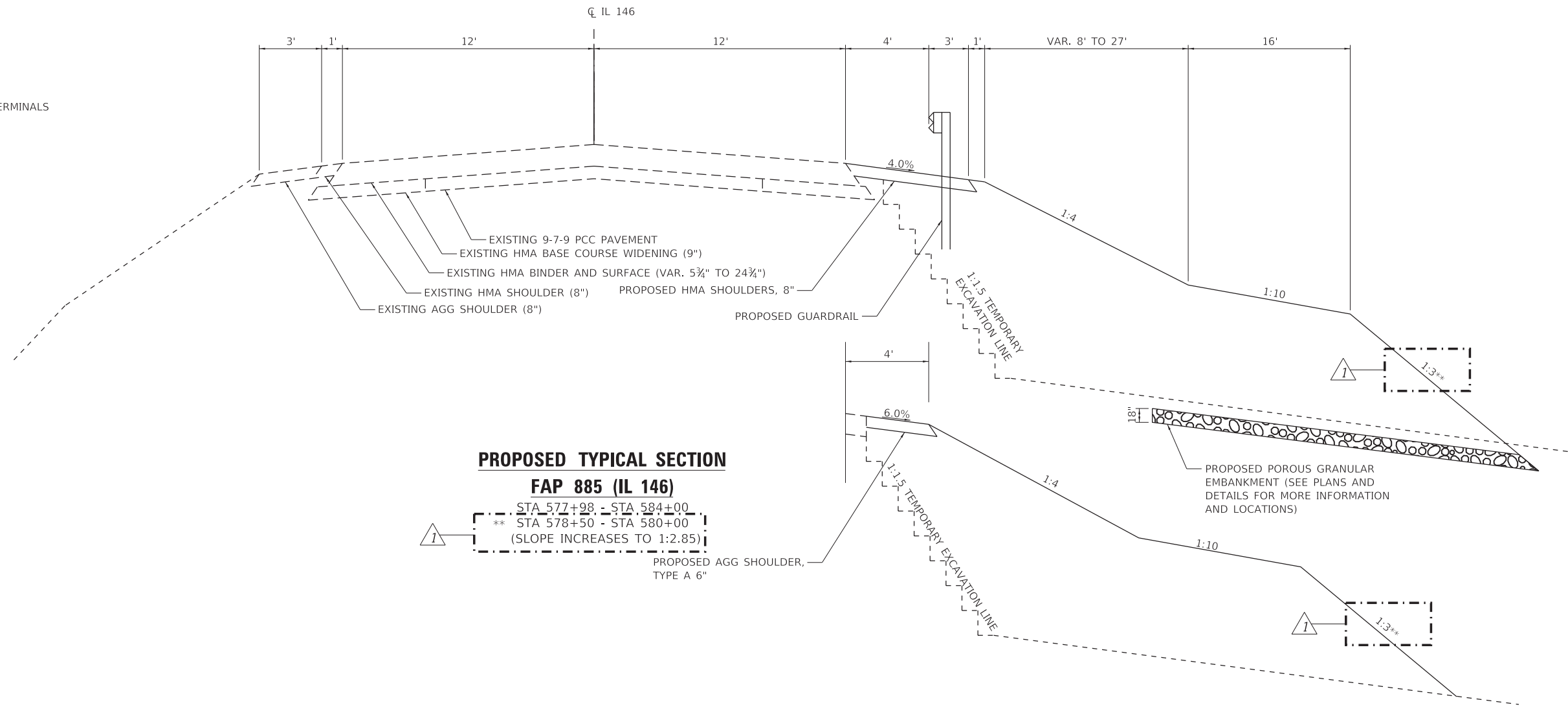
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78824	

*EX GUARDRAIL AND TRAFFIC BARRIER TERMINALS
STA 577+97.57 TO STA 583+53.87



EXISTING TYPICAL SECTION
FAP 885 (IL 146)
STA 577+98 - STA 584+00

*PR GUARDRAIL AND TRAFFIC BARRIER TERMINALS
STA 577+98 TO STA 578+98



PROPOSED TYPICAL SECTION
FAP 885 (IL 146)

STA 577+98 - STA 584+00
** STA 578+50 - STA 580+00
(SLOPE INCREASES TO 1:2.85)

PROPOSED AGG SHOULDER,
TYPE A 6"

PROPOSED POROUS GRANULAR
EMBANKMENT (SEE PLANS AND
DETAILS FOR MORE INFORMATION
AND LOCATIONS)

REVIS 6-7-2022

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TYPICAL SECTIONS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	7
CONTRACT NO. 78824				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE										REMARKS
LOCATION	EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		FURNISHED EXCAVATION			
					EXCAVATION REQUIRED TO COMPLETE*	EXCESS EXCAVATION				
STA.	TO	STA.	CU. YD.	%	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	
578+00		578+50	735	18%	603	997	660		780	217 CU YD OF EARTH EXCAVATION SUITABLE FOR REUSE
578+50		579+00	857	18%	703	1697	1303		1353	345 CU YD OF EARTH EXCAVATION SUITABLE FOR REUSE
579+00		579+50	849	18%	696	1900	1595		1593	307 CU YD OF EARTH EXCAVATION SUITABLE FOR REUSE
579+50		580+00	1033	18%	847	1966	1698		1605	361 CU YD OF EARTH EXCAVATION SUITABLE FOR REUSE
580+00		580+50	910	18%	747	1843	1641		1581	262 CU YD OF EARTH EXCAVATION SUITABLE FOR REUSE
580+50		581+00	589	18%	483	1588	1517		1549	39 CU YD OF EARTH EXCAVATION SUITABLE FOR REUSE
581+00		581+50	554	18%	454	1403	1403		1403	NO EARTH EXCAVATION SUITABLE FOR REUSE
581+50		582+00	508	18%	416	1208	1208		1208	NO EARTH EXCAVATION SUITABLE FOR REUSE
582+00		582+50	389	18%	319	932	932		932	NO EARTH EXCAVATION SUITABLE FOR REUSE
582+50		583+00	303	18%	248	707	707		707	NO EARTH EXCAVATION SUITABLE FOR REUSE
583+00		583+50	251	18%	206	539	539		539	NO EARTH EXCAVATION SUITABLE FOR REUSE
583+50		584+00	113	18%	93	226	226		226	NO EARTH EXCAVATION SUITABLE FOR REUSE
SUBTOTAL			7091						13477	
TOTAL			7095						13480	

*ONLY MATERIAL UNDERCUT FOR REPLACEMENT WITH POROUS GRANULAR MATERIAL IS SUITABLE FOR REUSE. OTHER EXISTING EMBANKMENT MATERIAL SHALL BE DISPOSED OF OFF SITE.

SHOULDER SCHEDULE					
STA	TO	STA	PAVED SHOULDER REMOVAL SQ YD	HOT-MIX ASPHALT SHOULDERS, 8" SQ YD	AGGREGATE SHOULDERS, TYPE A 6" SQ YD
578+28		584+16	336		
578+28		579+11		60	
579+11		584+00			162
TOTAL			336	60	162

DRAINAGE MARKER SCHEDULE		
STA	O/S	EACH
577+77.13	135.00' RT	1
581+00.00	120.00' RT	1
581+00.00	135.00' RT	1
583+00.00	80.00' RT	1
583+93.78	35.00' RT	1
583+93.78	80.00' RT	1
TOTAL		6

SLOPE REPAIR SCHEDULE							
LOCATION	LIME	POROUS GRANULAR EMBANKMENT	BACKSLOPE DRAINS, TYPE 3, 4 INCHES	PIPE UNDERDRAIN (SPECIAL), 4 INCHES	CONCRETE HEADWALLS FOR PIPE DRAINS		
STA.	TO	STA.	TON	TON	FOOT	FOOT	
578+00		578+50	46	423			
578+50		579+00	80	625			
579+00		579+50	95	644			
579+50		580+00	95	658			
580+00		580+50	94	0			
580+50		581+00	92	0	44	1	
581+00		581+50	83	0			
581+50		582+00	72	0			
582+00		582+50	55	0			
582+50		583+00	42	0			
583+00		583+50	32	0	58	2	
583+50		584+00	13	0			
578+50		583+50			500		
580+50		583+50			300		
TOTAL			801	2350	800	102	3

MAINTENANCE OF TRAFFIC SCHEDULE						
STA	TO	STA	PAVEMENT MARKING REMOVAL - GRINDING SQ FT	TRAFFIC CONTROL & PROTECTION, STANDARD 701316 EACH	TEMPORARY BRIDGE TRAFFIC SIGNALS EACH	TEMPORARY RUMBLE STRIPS EACH
EB APPROACH						3
WB APPROACH					1	3
575+13		576+67	103	1		
575+13		585+86				
584+19		585+86	112			
SUBTOTAL			215	1	1	6
TOTAL			215	1	1	6

PAVEMENT MARKING SCHEDULE					
STA	TO	STA	COLOR	PAINT PAVEMENT MARKING - LINE 4	FOOT
575+13		576+67	YELLOW	DOUBLE CENTERLINE	308
584+19		585+86	YELLOW	DOUBLE CENTERLINE	334
578+00		584+00	WHITE	EB EDGELINE	600
TOTAL					1242

GUARDRAIL SCHEDULE								
STA	TO	STA	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
			FOOT	EACH	FOOT	EACH	EACH	EACH
577+98		583+54	556					
577+98		578+35		1				
578+35		578+60			25			4
578+60		578+98				1	1	
TOTAL			556	1	25	1	1	4

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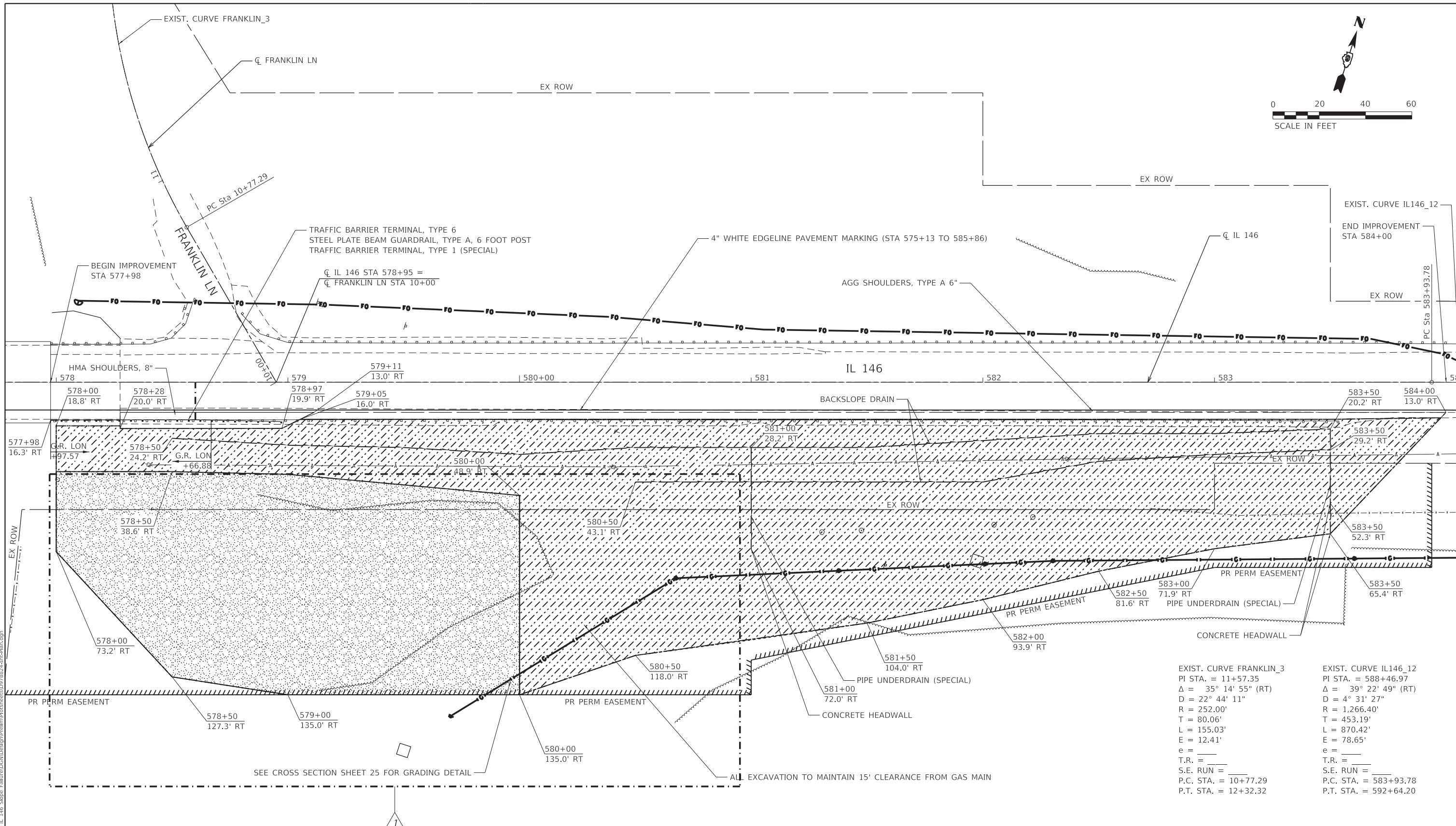
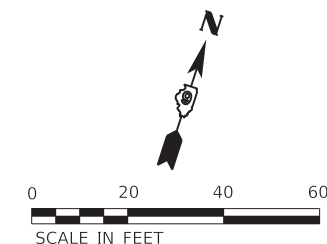
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PLOT DATE = 6/3/2022	CHECKED - JH	REVISED -
	DATE - 2/9/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	8
CONTRACT NO. 78824				
ILLINOIS FED. AID PROJECT				

REVISED 6-7-2022



EXIST. CURVE FRANKLIN_3
 PI STA. = 11+57.35
 $\Delta = 35^\circ 14' 55''$ (RT)
 $D = 22^\circ 44' 11''$
 $R = 252.00'$
 $T = 80.06'$
 $L = 155.03'$
 $E = 12.41'$
 $e = ______$
 $T.R. = ______$
 $S.E. RUN = ______$
 $P.C. STA. = 10+77.29$
 $P.T. STA. = 12+32.32$

EXIST. CURVE IL146_12
 PI STA. = 588+46.97
 $\Delta = 39^\circ 22' 49''$ (RT)
 $D = 4^\circ 31' 27''$
 $R = 1,266.40'$
 $T = 453.19'$
 $L = 870.42'$
 $E = 78.65'$
 $e = ______$
 $T.R. = ______$
 $S.E. RUN = ______$
 $P.C. STA. = 583+93.78$
 $P.T. STA. = 592+64.20$



SLOPE STABILIZATION - SEE DETAILS AND CROSS SECTIONS.



SLOPE STABILIZATION WITH POROUS GRANULAR EMBANKMENT- SEE DETAILS AND CROSS SECTIONS.



BACKSLOPE DRAIN OR PIPE UNDERDRAIN (SPECIAL)

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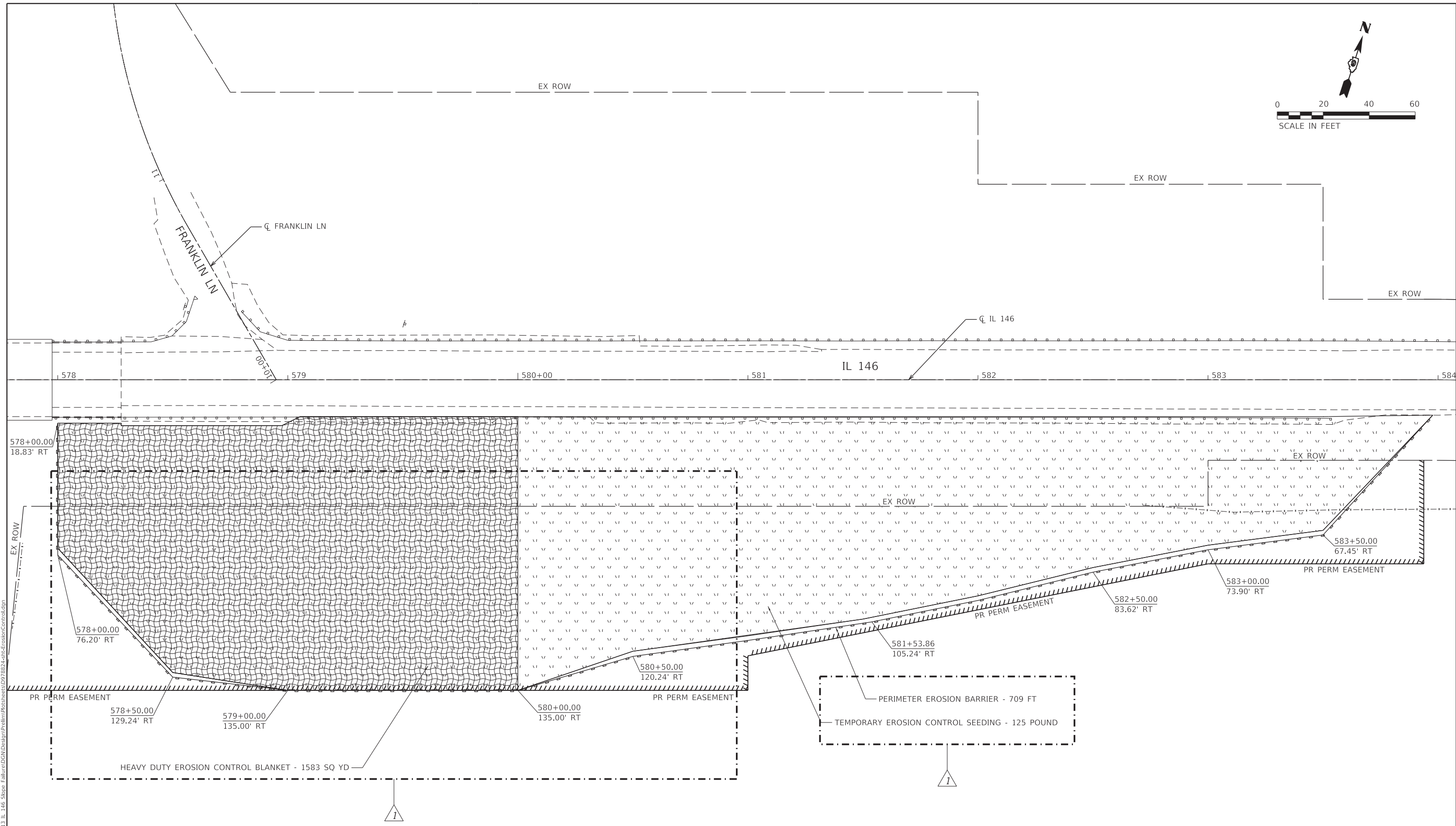
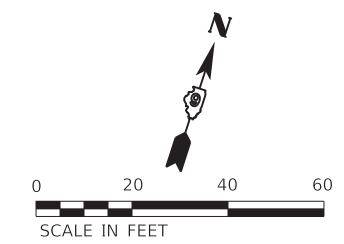
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PLOT DATE = 6/3/2022	DATE - 2/9/2022	REVISION -	

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 DEPARTMENT OF TRANSPORTATION**

PLAN
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 577+98 TO STA. 584+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	11
CONTRACT NO. 78824				
		ILLINOIS	FED. AID PROJECT	



EROSION CONTROL LEGEND



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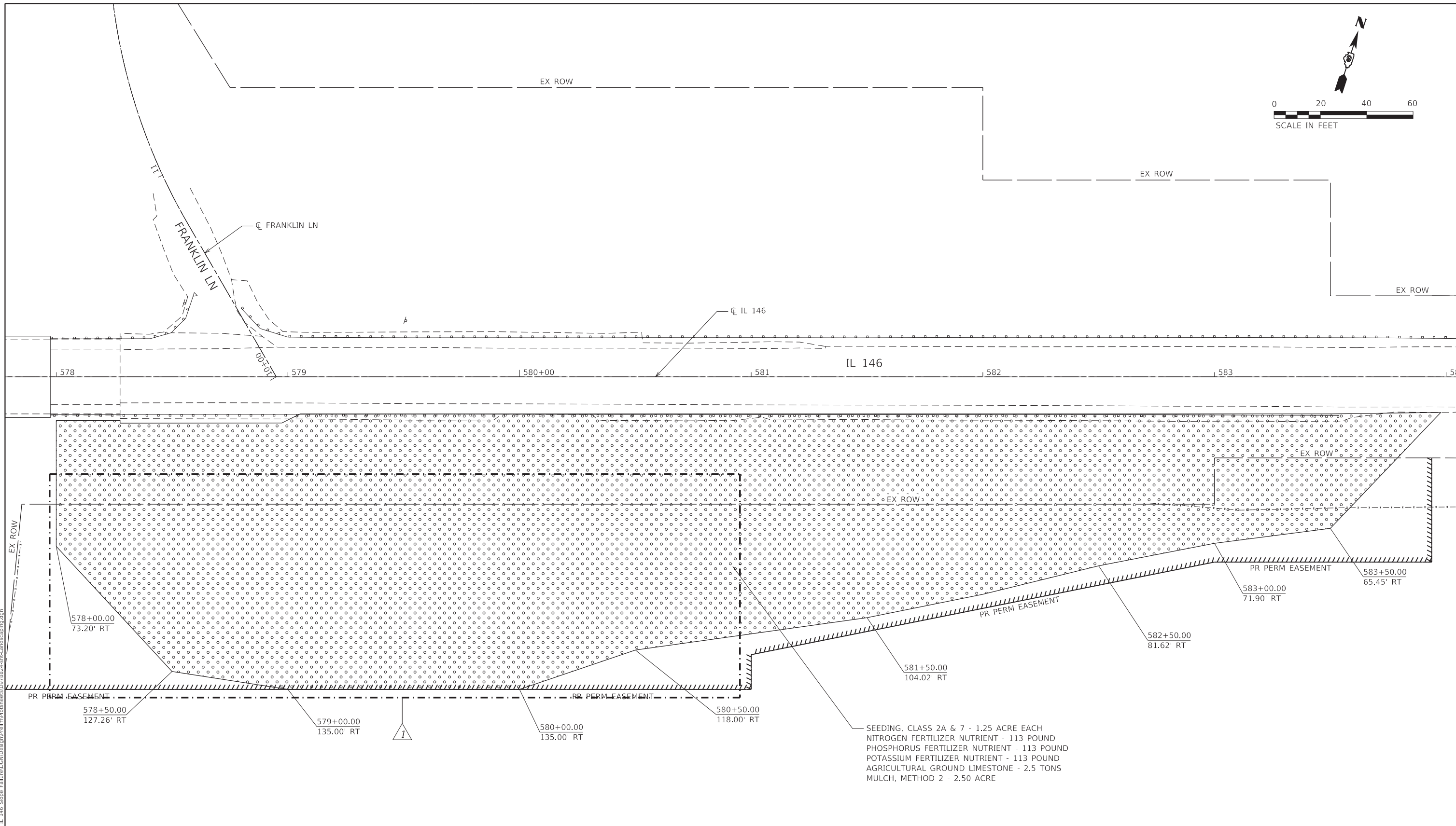
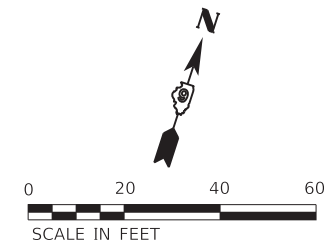
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

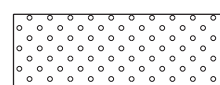
EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 578+00 TO STA. 584+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	16
CONTRACT NO. 78824				
ILLINOIS		FED. AID PROJECT		



LANDSCAPING LEGEND



SEEDING, CLASS 2A
 NITROGEN FERTILIZER NUTRIENT
 PHOSPHORUS FERTILIZER NUTRIENT
 POTASSIUM FERTILIZER NUTRIENT
 MULCH METHOD 2

△ REVISED 6-7-2022

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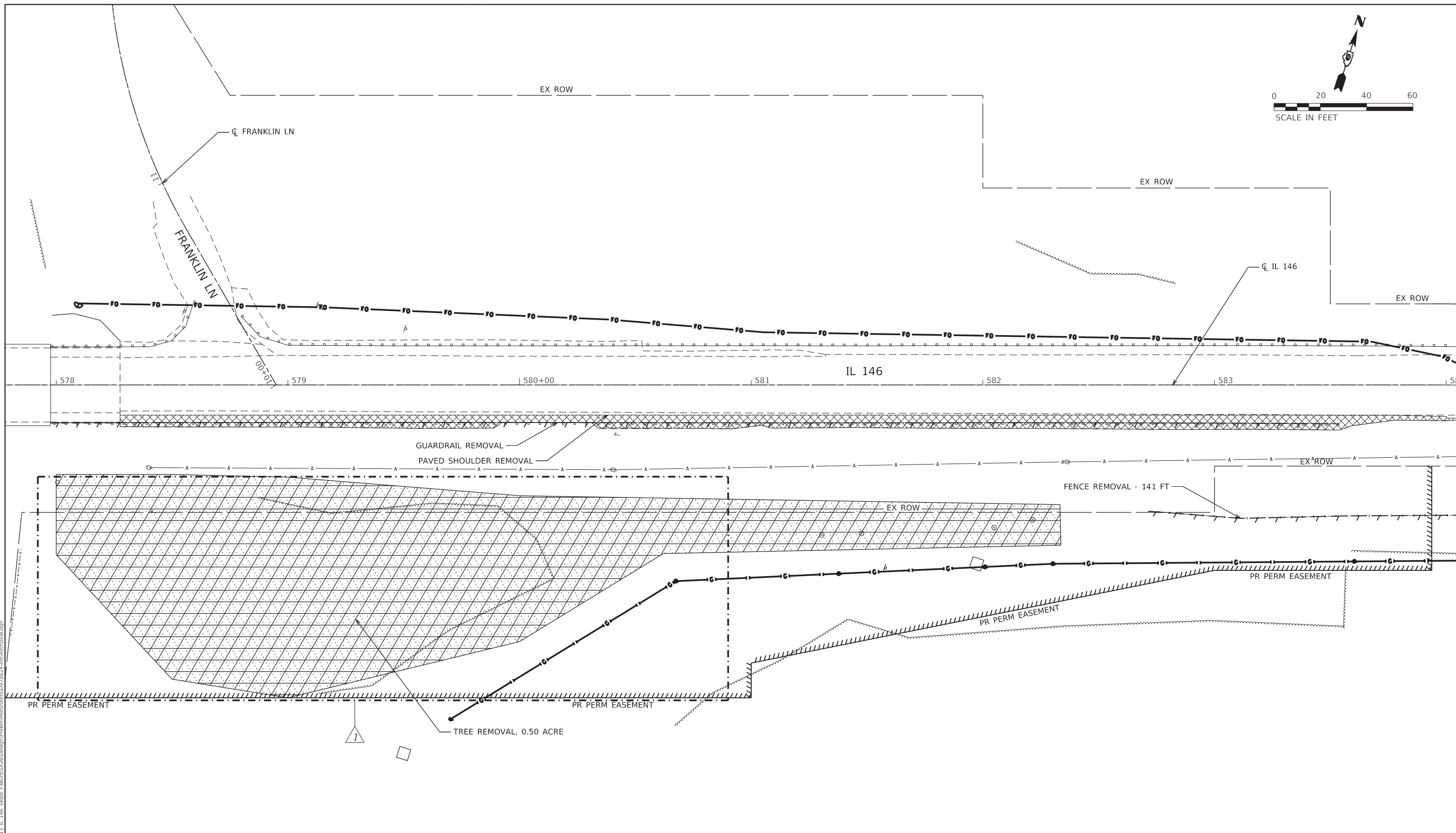
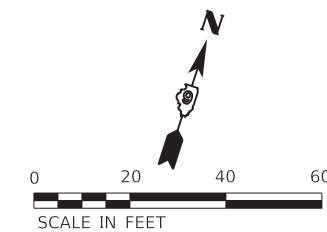
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PLOT DATE = 6/3/2022	CHECKED - JH	REVISED -
	DATE - 2/9/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LANDSCAPING PLAN

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 578+00 TO STA. 584+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	18
CONTRACT NO. 78824				
ILLINOIS FED. AID PROJECT				



- HMA SHOULDER REMOVAL
- TREE REMOVAL, ACRES
- GUARDRAIL OR FENCE REMOVAL

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DEPARTMENT OF TRANSPORTATION**

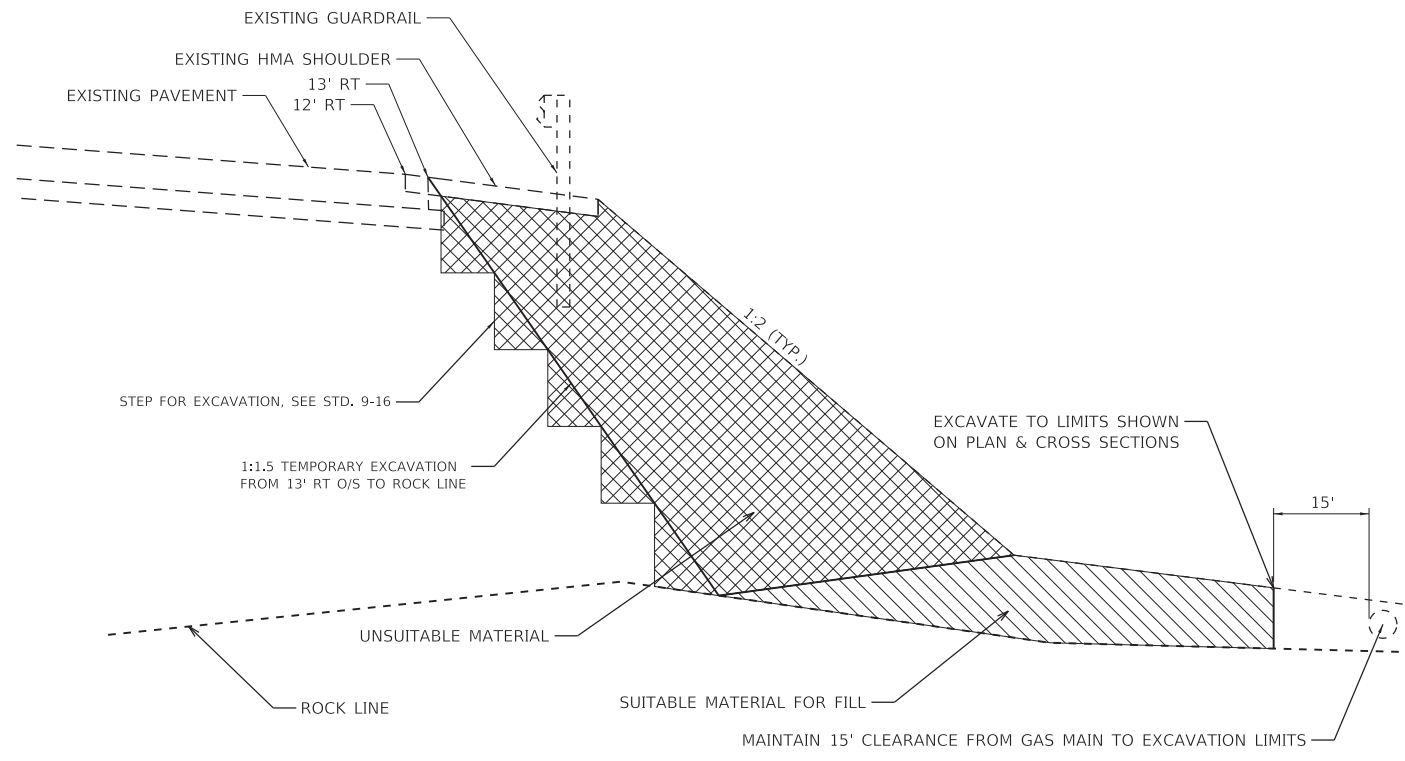
REMOVALS

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 578+00 TO STA. 584+00

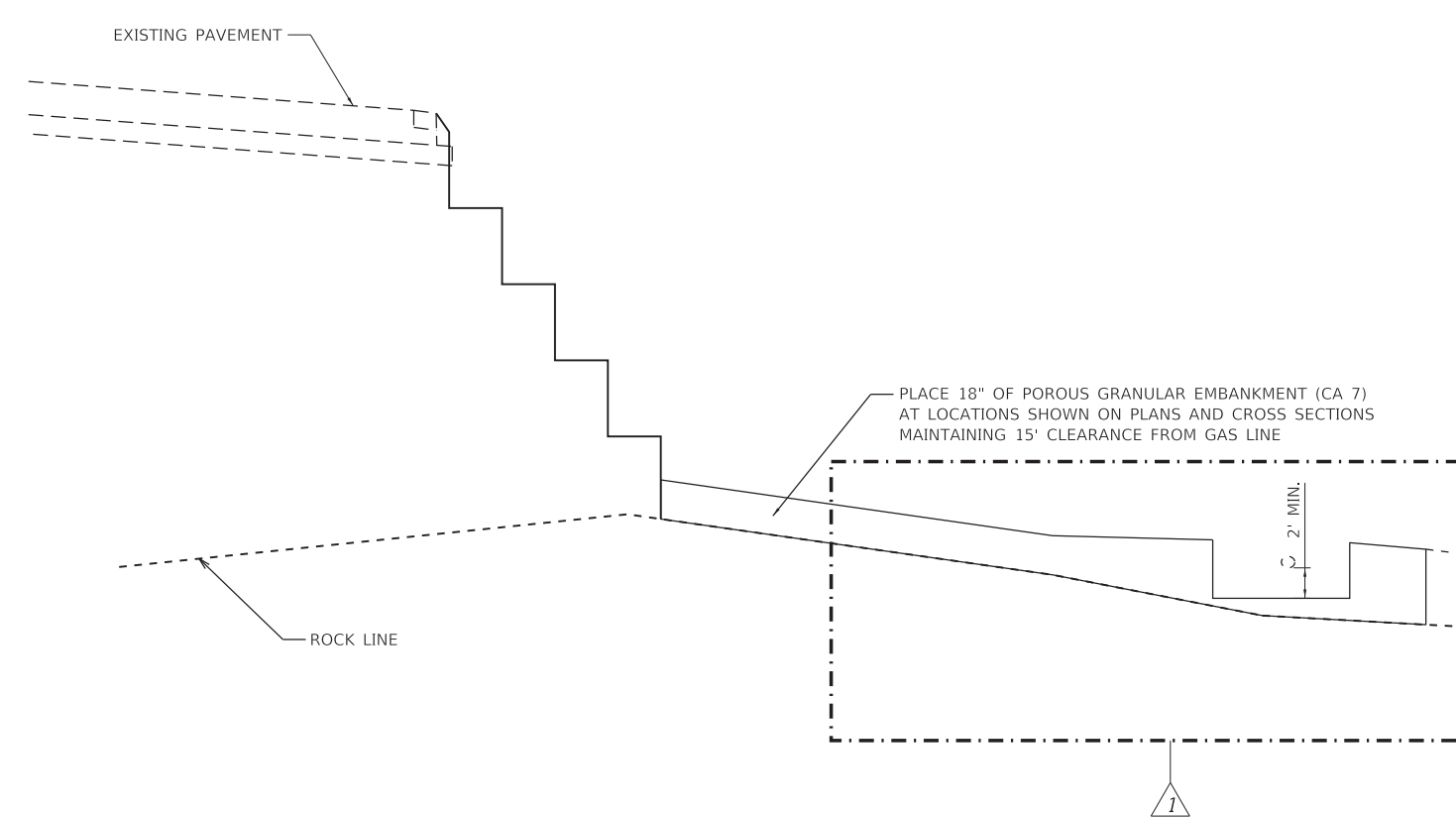
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CONTRACT NO. 78824				
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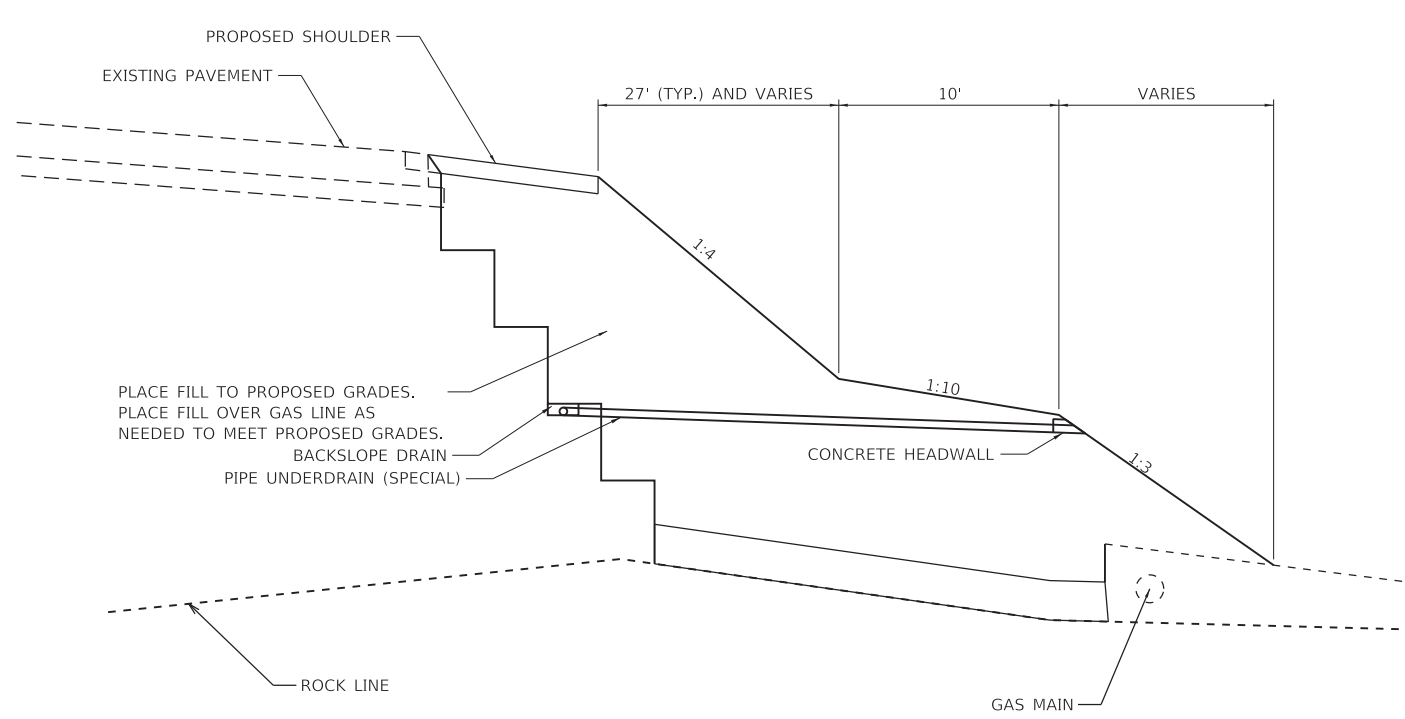
SEQUENCE OF OPERATIONS



STAGE 1 – UNDERCUT EXISTING SLOPE TO ROCK



STAGE 2 – PLACE POROUS GRANULAR EMBANKMENT DRAIN ROCK



STAGE 3 – BACKFILL TO FINAL SLOPE GRADES

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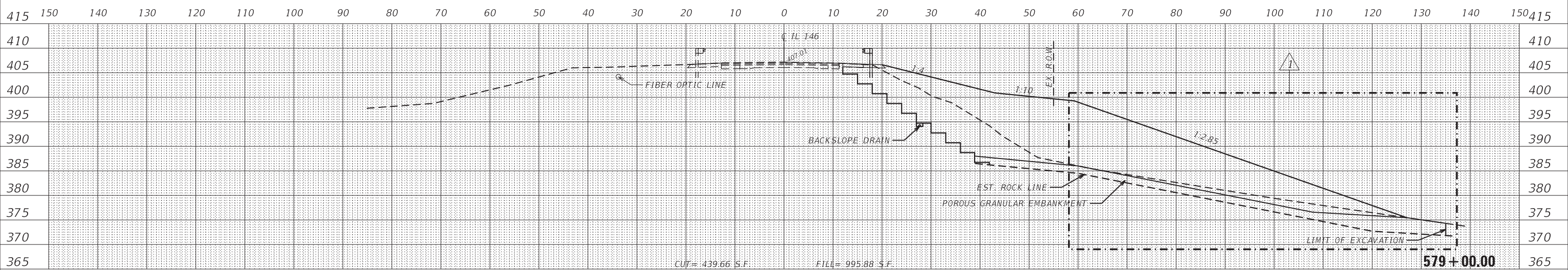
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DEPARTMENT OF TRANSPORTATION**

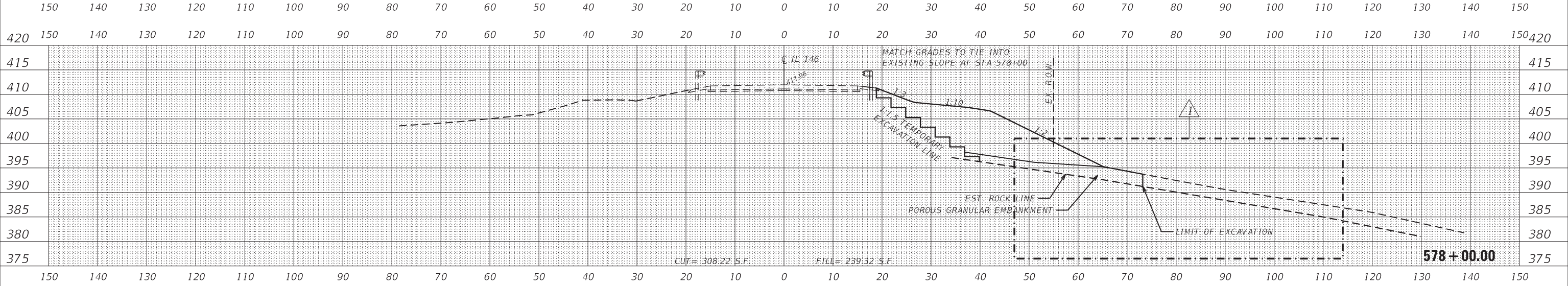
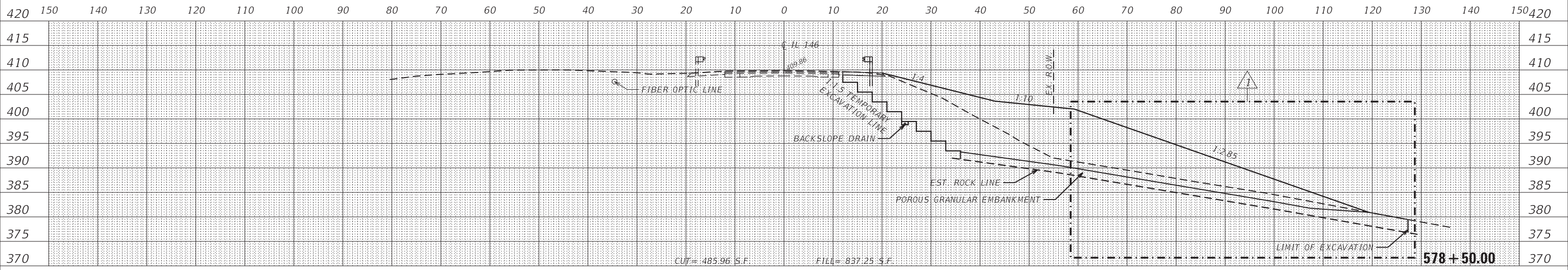
DETAILS			
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F.A.P. RTE. 885	SECTION 111SLP-1	COUNTY JOHNSON	TOTAL SHEETS 27	SHEET NO. 21
CONTRACT NO. 78824				
ILLINOIS FED. AID PROJECT				

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



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



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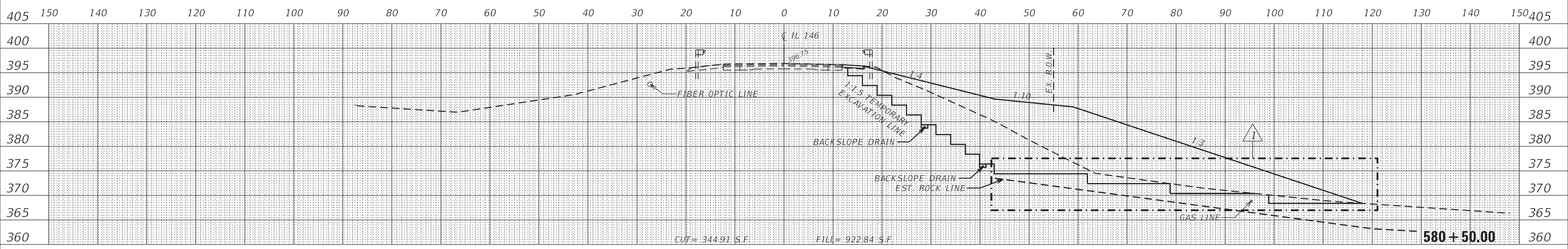
CROSS SECTIONS

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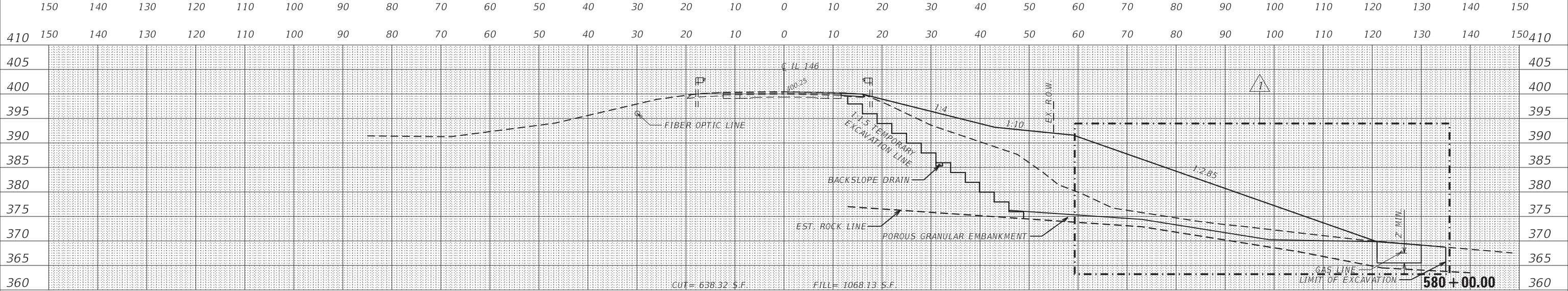
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CONTRACT NO. 78824			ILLINOIS FED. AID PROJECT	

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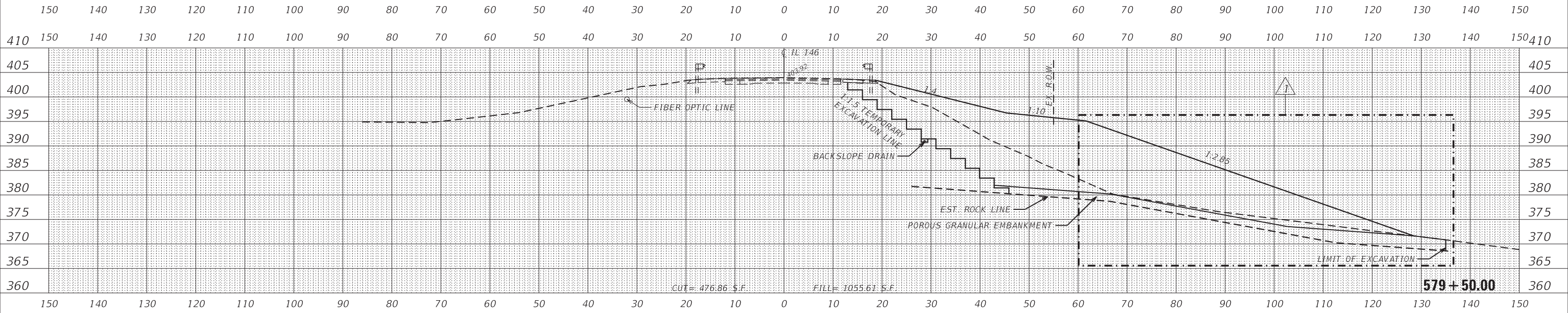
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1" = 10' SHEET 2 OF 4 SHEETS STA. 579+50.00 TO STA. 580+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	111SLP-1	JOHNSON	27	25
CONTRACT NO. 78824				
ILLINOIS FED. AID PROJECT				

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