

- INDEX OF SHEETS: 06-11-2021 LETTING ITEM 017
- 1 - COVER SHEET /INDEX /STATE STANDARDS
 - 2 - SUMMARY OF QUANTITIES
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STATE STANDARDS:

- 442201-03 CLASS C AND D PATCHES
- 542301-03 PRECAST REINFOECED CONCRETE FLARED END SECTION
- 542546-01 FLUSH INLET BOX FOR MEDIAN
- 602402-03 PRECAST MANHOLE, TYPE A 5' (1.52M) DIAMETER
- 701901-08 TRAFFIC CONTROL DEVICES

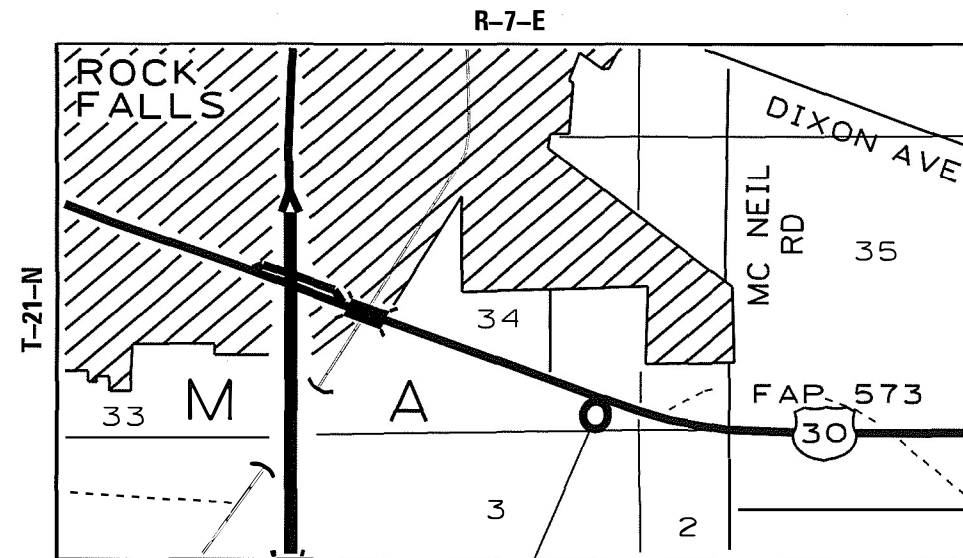
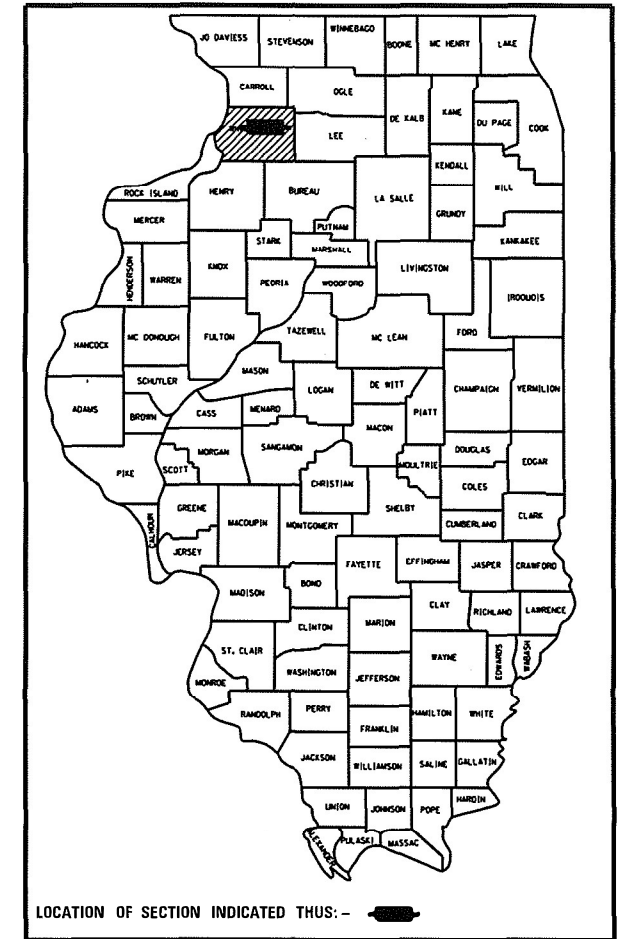
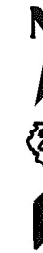
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

ROUTE ROCK FALLS MAINTENANCE YARD
SECTION D2 MAINT YARD 2021-1
WHITESIDE COUNTY
C-92-030-21

F.A. RY:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
***	**	WHITESIDE	28	1

•• D2 MAINT YARD 2021-1
••• ROCK FALLS MAINTENANCE YARD
CONTRACT NO. 64P86
D-92-026-21



LOCATION OF PROJECT
ROCK FALLS MAINTENANCE YARD

TOWNSHIP (SECTION):
COLOMA - (34)

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

GROSS LENGTH OF PROJECT = 0 FOOT = 0.0 MILES
NET LENGTH OF PROJECT = 0 FOOT = 0.0 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 5TH 20 21

Jawad Ahmed
REGIONAL ENGINEER

May 7, 2021 *Scott A. Elk*
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021 *James J. Guerin*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

CONTRACT NO. 64P86

ROUTE ROCK FALLS MAINTENANCE YARD

SECTION D2 MAINT. YARD 2021-1

WHITESIDE COUNTY

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

ROUTE ROCK FALLS MAINTENANCE YARD
SECTION D2 MAINT. YARD 2021-1
Whiteside County
CONTRACT # 64P86
SHEET 2 OF 28
URBAN
100% State
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	425
40600290	BITUMINOUS MATERIALS (TACK COAT)	LBS	5,219
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	866
44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	430
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	20
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	2,095
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30 "	EACH	1
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	4
550A0070	STORM SEWERS, CLASS A, TYPE 1, 15"	FOOT	90
550A0090	STORM SEWERS, CLASS A, TYPE 1, 18"	FOOT	218
550A0120	STORM SEWERS, CLASS A, TYPE 1, 24"	FOOT	131
550A0410	STORM SEWERS, CLASS A, TYPE 2, 24"	FOOT	47
550A0430	STORM SEWERS, CLASS A, TYPE 2, 30"	FOOT	56
60221100	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60255500	MANHOLES TO BE ADJUSTED	EACH	2
67100100	MOBILIZATION	L SUM	1
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	2,545

*SPECIALTY ITEM

REV. 3/25/21

GENERAL NOTES:

ALL EXISTING HMA AND PCC REMOVED SHALL BE DISPOSED AT AN APPROVED RECYCLING / WASTE / CCD SITE.

EXCAVATED MATERIAL, EXCEPT MATERIALS LISTED IN NOTE #1, SHALL BE STOCKPILED WITHIN THE MAINTENANCE YARD AT A LOCATION DESIGNATED BY THE ENGINEER.

THE REMOVAL OF THE THREE EXISTING 3FT BY 1.5FT INLETS, STA 4+80LT, STA 5+34LT, & STA 5+80LT WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CLASS C AND D PATCHES. THE 4 INCH OUTLET PIPE SHALL BE PLUGGED, IN A MANNER AS DIRECTED BY THE ENGINEER, AT THE INLET TO BE REMOVED AT STA 4+80 LT.

ALL TRAFFIC CONTROL NEEDED TO DELINEATE OPEN HOLES, TRENCHES, ETC. WILL BE DONE ACCORDING TO SECTION 701. TRAFFIC CONTROL WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CLASS C & CLASS D PATCHES. TRAFFIC CONTROL SURVEILLANCE WILL NOT BE REQUIRED.

PRIOR TO INSTALLING CLASS C OR D PATHCHES, THE EXISTING HMA SHALL BE SAW CUT TO PROVIDE A CLEAN VERTICAL FACE, OR AS DIRECTED BY THE ENGINEER.

ALL WORK ACTIVITIES IN THE MAINTENANCE YARD WILL BE COORDINATED WITH TRENT MCKENNA, IDOT DISTRICT 2 MAINTENANCE OS1 AT 815.625.1822 (OFFICE) OR 815.535.6309 (CELL). THE CONTRACTOR SHALL CONTACT TRENT MCKENNA ONE WEEK PRIOR TO THE START OF WORK ACTIVITIES.

THE GUARDRAIL FROM STATION 4+67 TO STATION 5+72 SHALL BE REMOVED. THE REMOVAL SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CLASS D PATCH. THE GUARDRAIL SHALL REMAIN THE PROPERTY OF THE STATE, AND SHALL BE STOCKPILED WITHIN THE YARD AS DIRECTED. CARE SHALL BE TAKEN NOT TO DAMAGE THE GUARDRAIL DURING REMOVAL.

EARTH EXCAVATION REQUIRED TO THE BOTTOM GRADE OF THE CLASS C & CLASS D PATCHES WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CLASS C & CLASS D PATCHES.

EARTH EXCAVATION REQUIRED FOR THE AGGREGATE SUB GRADE IMPROVEMENT WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE AGGREGATE SUBGRADE IMPROVEMENT.

THE HMA SC "C" N50 SHALL BE PLACED IN TWO SEPARATE LIFTS.

THE TWO VARIABLE DEPTH (SCRATCH) HMA LOCATIONS SHALL BE THE SAME HMA MIX AS THE HMA SC "C" N50. THE VARIABLE DEPTH PAVING WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE PAID AS HMA SC "C" N50, WITH TONNAGE QUANTITIES INCLUDED IN THE PLANS.

IDOT IS NOT A MEMBER OF JULIE. CONTACT THE IDOT TRAFFIC OFFICE AT 815.284.5469 AT LEAST 48 HOURS PRIOR TO WORK FOR LOCATES OF UNDERGROUND UTILITIES IN THE MAINTENANCE YARD.

WHEN PLACING THE PATCHES AND HMA SURFACE COURSE, THE CONTRACTOR SHALL MAKE SURE POSITIVE DRAINAGE IS ESTABLISHED TO THE INLETS.

TOPSOIL, CLASS 1 SEED, AND FERTILIZER WILL BE REQUIRED ALONG THE EAST EDGE OF THE CLASS D PATCH FROM STATION 4+20 RT TO STATION 7+40 RT. THIS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CLASS D PATCH.

ALL STORM SEWER AND STRUCTURES SHALL BE BACKFILLED WITH TRENCH BACKFILL ACCORDING TO SECTION 208. TRENCH BACKFILL WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

THE REMOVAL OF THE EXISTING STORM SEWER AND STRUCTURES WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

PRIOR TO INSTALLING THE PROPOSED STORM SEWER, THE DETENTION POND WILL NEED TO BE DEWATERED. THE PUMP DISCHARGE PIPE SHALL UTILIZE THE EXISTING 8" POND OUTLETS, AND NOT BE DISCHARGED OVER THE BANKS. THE COST OF DEWATERING SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ANY TRAFFIC CONTROL NEEDED TO DELINEATE OPEN HOLES, TRENCHES, ETC. WILL BE DONE ACCORDING TO SECTION 701. TRAFFIC CONTROL WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER. TRAFFIC CONTROL SURVEILLANCE WILL NOT BE REQUIRED.

PROIR TO INSTALLING THE CLASS D PATCH, THE EXISTING HOT-MIX ASPHALT SHALL BE SAW CUT TO PROVIDE A CLEAN VERTICAL FACE, OR AS DIRECTED BY THE ENGINEER.

THE CUT AREAS EXTEND FROM THE TOP OF THE EXISTING PAVEMENT TO THE BOTTOM OF THE PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.

AN ESTIMATED 424 CU YD OF EXISTING HOT-MIX ASPHALT AND PORTLAND CEMENT CONCRETE SHALL BE REMOVED AND DISPOSED OFFSITE AT AN APPROVED LOCATION, AND 861 CU YD OF SOIL AND / OR GRANULAR MATERIAL STOCKPILED ON SITE. AN EARTH EXCAVATION SCHEDULE HAS BEEN INCLUDED IN THE PLANS FOR INFORMATION ONLY.

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PROIR TO WORK.

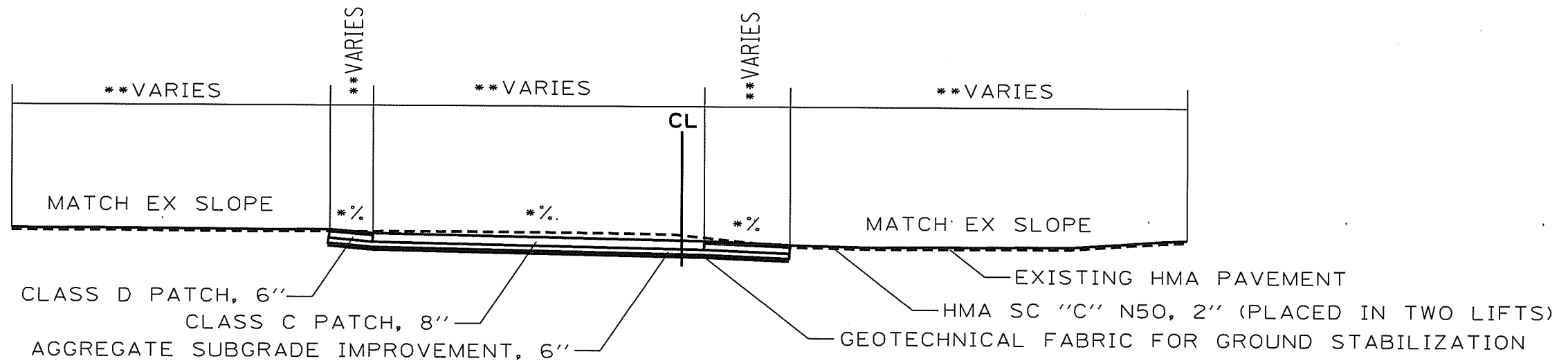
The followiQAng Mixture Requirements are applicable for this project:

Location(s):	Surface		
Mixture Use(s):	Surface		
PG:	PG 64-22		
Design Air Voids:	3.0 @ N50		
Mixture Composition (Mixture Gradation):	IL 9.5		
Friction Aggregate:	C		
Mixture Weight:	112 lbs/sy/in		
Quality Management Program:	QC/QA		
Sublot Size:			
Number of Roller Passes ¹⁾ :			

When a number of roller passes is specified, the Contractor may opt to use intelligent compaction in lieu of density testing under the Quality Control for Performance (QCP) program

TYPICAL SECTION

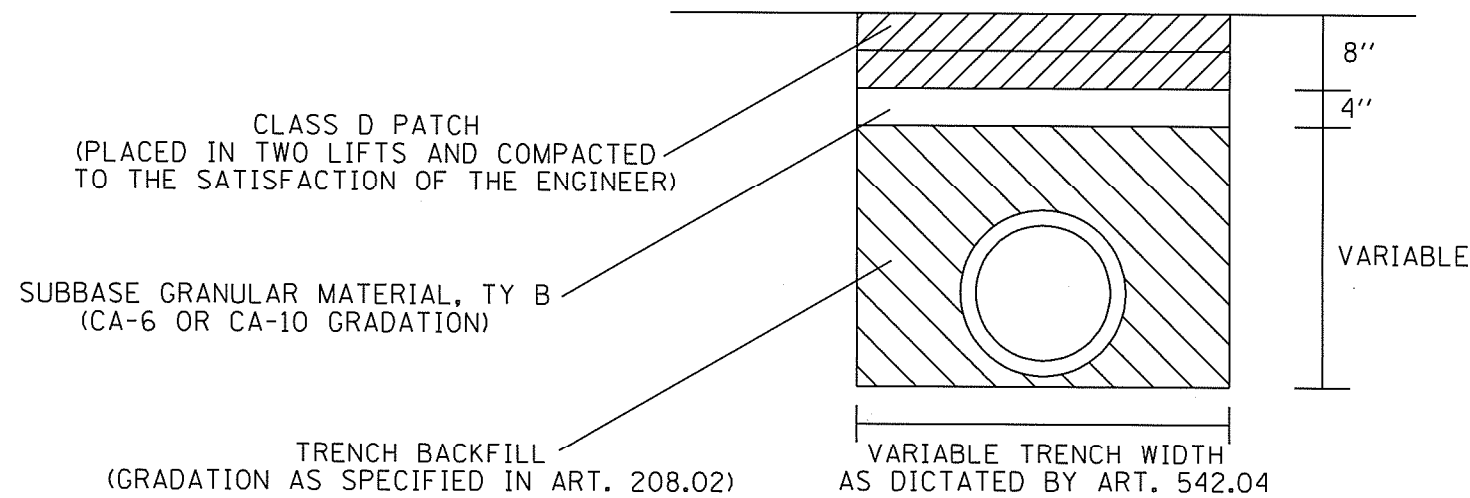
(NOT TO SCALE)



- * SEE CROSS SECTIONS FOR PATCH SLOPES
- ** SEE CROSS SECTIONS FOR PATCH AND OVERLAY WIDTHS

THE CLASS D PATCH, SUBBASE GRANULAR MATERIAL, AND TRENCH BACKFILL WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER

THE CLASS D PATCH AND SUBBASE GRANULAR MATERIAL SHALL ALSO BE INSTALLED AROUND THE PERIMETER OF THE STRUCTURES A MINIMUM OF 3'.



MODEL Default
 FILE NAME: S:\IN\W\c\bauf\21_1\bauf\bauf\Rock Falls Main Yard\Rock Falls Maintenance Yard\Work\ma (file)CAD\00113-1.dgn

USER NAME = Nicklaus		DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____		SHEET _____ OF _____ SHEETS		STA. _____ TO STA. _____	•ROCK FALLS MAINTENANCE YARD			
PLOT SCALE = 617.978 ' / in.		DRAWN - _____	REVISED - _____		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
PLOT DATE = Feb-26-2021 02:14:38 PM		CHECKED - _____	REVISED - _____		*	D2 MAINT. YARD 2021-1	WHITESIDE	28	6				
		DATE - _____	REVISED - _____								CONTRACT NO. 64P86		ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

ROUTE ROCK FALLS MAINTENANCE YARD
Section D2 MAINT. YARD 2021-1
Whiteside County
Contract #64P86
Sheet 7 of 28

30300001 AGGREGATE SUBGRADE IMPROVEMENT

LOCATION	CU_YD	REMARKS
STA. 0+75 - 1+51	66	CLASS C & D PATCH SALT DOME
STA. 2+57 - 2+71	3	CLASS D PATCH INLET STA 2+64
STA. 4+20 - 7+38	320	CLASS D PATCH
STA. 4+86 - 6+55	32	CLASS C PATCH MAIN BUILDING
STA. 7+00 - 07+28	4	CLASS C PATCH ENTRANCE

TOTAL 425

40600290 BITUMINOUS MATERIALS (TACK COAT)

LOCATION	POUND	REMARKS
HMA RESURFACE AREA (TOTAL AREA = 7,647 SY)	5219	

TOTAL 5,219

40603310 HOT-MIX ASPHALT SURFACE COURSE. MIX "C", N50

LOCATION	ION	REMARKS
HMA 2" RESURFACE AREA	857	TOTAL AREA=7,647 SY
STA. 1+80 - 2+30	6	VAR. DEPTH SCRATCH AREA
STA. 3+10 - 3+80	3	VAR. DEPTH SCRATCH AREA

TOTAL 866

44201335 CLASS C PATCHES, TYPE IV, 8 INCH

LOCATION	SQ_YD	REMARKS
STA. 0+80 - 1+36	216	FOR SALT DOME
STA. 4+86 - 6+55	188	MAIN BUILDING
STA. 7+00 - 7+28 LT	26	ENTRANCE

TOTAL 430

44201721 CLASS D PATCHES, TYPE III, 6 INCH

LOCATION	SQ_YD	REMARKS
STA. 2+57 - 2+71	20	AROUND INLET STA. 2+64

TOTAL 20

44201723 CLASS D PATCHES, TYPE IV, 6 INCH

LOCATION	SQ_YD	REMARKS
STA. 0+75 - 1+51	178	SALT DOME
STA. 4+20 - 7+38	1,917	

TOTAL 2,095

54213675 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"

LOCATION	EACH	REMARKS
STA. 0+55	1	LT 28'

TOTAL 1

54244405 FLUSH INLET BOX FOR MEDIAN, STANDARD 542546

LOCATION	EACH	REMARKS
STA. 1+31	1	RT 21.1'
STA. 2+64	1	RT 22.2'
STA. 4+85	1	RT 23.9'
STA. 5+78	1	RT 24.65'

TOTAL 4

550A0070 STORM SEWERS, CLASS A, TYPE 1, 15"

LOCATION	FOOT
STA. 4+85 - 5+78	90

TOTAL 90

550A0090 STORM SEWERS, CLASS A, TYPE 1, 18"

LOCATION	FOOT
STA. 2+64 - 4+85	218

TOTAL 218

550A0120 STORM SEWERS, CLASS A, TYPE 1, 24"

LOCATION	FOOT
STA. 1+31 - 2+64	131

TOTAL 131

550A0410 STORM SEWERS, CLASS A, TYPE 2, 24"

LOCATION	FOOT
STA. 0+81 - 1+31	47

TOTAL 47

SCHEDULE OF QUANTITIES

ROUTE ROCK FALLS MAINTENANCE YARD
Section D2 MAINT. YARD 2021-1
Whiteside County
Contract #64P86
Sheet 8 of 28

550A0430 STORM SEWERS, CLASS A, TYPE 2, 30"

<u>LOCATION</u>	<u>FOOT</u>
STA. 0+55 - 0+81	56
TOTAL	56

60221100 MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID

<u>LOCATION</u>	<u>EACH</u>	<u>REMARKS</u>
STA. 0+81	1	RT 20.7
TOTAL	1	

60255500 MANHOLES TO BE ADJUSTED

<u>LOCATION</u>	<u>EACH</u>	<u>REMARKS</u>
STA. 4+72	1	LT 54'
STA. 4+79	1	LT 56'
TOTAL	2	

Z0028415 GEOTECHNICAL REINFORCEMENT

<u>LOCATION</u>	<u>SQ.YD</u>	<u>REMARKS</u>
STA. 0+75 - 1+51	394	SALT DOME PATCHES
STA. 2+57 - 2+71	20	INLET PATCH STA. 2+64
STA. 4+20 - 7+38	1,917	
STA. 4+86 - 6+55	188	MAIN BUILDING PATCH
STA. 7+00 - 7+28	26	ENTRANCE PATCH
TOTAL	2,545	

**EXCAVATION SCHEDULE, FOR INFORMATION
USE ONLY**

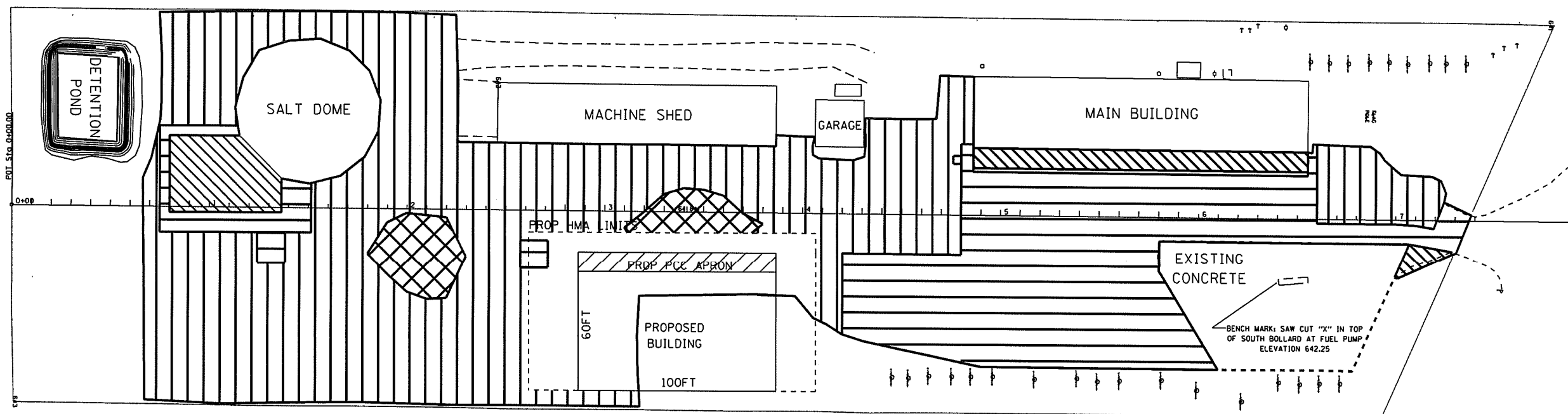
Station	FILL		CUT Area	Distance	FILL		CUT		FILL CU. YD.	CUT CU. YD.
	Area				Ave. end area		CU. YD.	CU. YD.		
+75	0.0		57.0							
+80	0.0		57.0	5.0	0.000		57.000		0.00	10.56
+90	0.0		63.7	10.0	0.000		60.350		0.00	22.35
1+00	0.0		75.6	10.0	0.000		69.665		0.00	25.80
1+10	0.0		74.8	10.0	0.000		75.200		0.00	27.85
1+20	0.0		58.3	10.0	0.000		66.510		0.00	24.63
1+30	0.0		65.5	10.0	0.000		61.875		0.00	22.92
1+40	0.0		38.2	10.0	0.000		51.855		0.00	19.21
1+50	0.0		35.6	10.0	0.000		36.920		0.00	13.67
1+51	0.0		35.6	1.3	0.000		35.630		0.00	1.78
				0.0	0.000		17.815		0.00	0.00
2+57	0.0		18.7	0.0	0.000		9.335		0.00	0.00
2+71	0.0		18.7	14.0	0.000		18.670		0.00	9.68
				0.0	0.000		9.335		0.00	0.00
4+20	0.0		41.2	0.0	0.0		20.6		0.00	0.00
4+30	0.0		55.3	10.0	0.0		48.3		0.00	17.88
4+40	0.0		67.3	10.0	0.0		61.3		0.00	22.71
4+50	0.0		76.1	10.0	0.0		71.7		0.00	26.55
4+60	0.0		83.0	10.0	0.0		79.5		0.00	29.46
4+70	0.0		88.4	10.0	0.0		85.7		0.00	31.74
4+80	0.0		151.9	10.0	0.0		120.2		0.00	44.50
4+90	0.0		181.6	10.0	0.0		166.8		0.00	61.76
5+00	0.0		187.9	10.0	0.0		184.7		0.00	68.42
5+10	0.0		187.4	10.0	0.0		187.6		0.00	69.50
5+20	0.0		183.5	10.0	0.0		185.4		0.00	68.68
5+30	0.0		186.3	10.0	0.0		184.9		0.00	68.47
5+40	0.0		189.3	10.0	0.0		187.8		0.00	69.56
5+50	0.0		193.7	10.0	0.0		191.5		0.00	70.93
5+60	0.0		189.5	10.0	0.0		191.6		0.00	70.96
5+70	0.0		183.0	10.0	0.0		186.2		0.00	68.98
5+80	0.0		183.0	10.0	0.0		183.0		0.00	67.79
	0.0			0.0	0.0		91.5		0.00	0.00
5+80	0.0		158.7	0.0	0.0		79.4		0.00	0.00
5+90	0.0		105.1	10.0	0.0		131.9		0.00	48.85
6+00	0.0		78.0	10.0	0.0		91.5		0.00	33.90
6+10	0.0		57.0	10.0	0.0		67.5		0.00	25.00
6+20	0.0		56.3	10.0	0.0		56.7		0.00	20.99
6+30	0.0		54.6	10.0	0.0		55.4		0.00	20.54
6+40	0.0		52.8	10.0	0.0		53.7		0.00	19.88
6+50	0.0		51.9	10.0	0.0		52.3		0.00	19.38
6+55	0.0		51.9	5.0	0.0		51.9		0.00	9.61
6+55	0.0		50.8	0.0	0.0		51.4		0.00	0.00
6+60	0.0		50.8	5.0	0.0		50.8		0.00	9.41
6+60	0.0		10.8	0.0	0.0		30.8		0.00	0.00
6+70	0.0		10.8	10.0	0.0		10.8		0.00	3.98
6+80	0.0		10.8	10.0	0.0		10.8		0.00	3.98
6+90	0.0		11.0	10.0	0.0		10.9		0.00	4.02
7+00	0.0		11.0	10.0	0.0		11.0		0.00	4.08
7+10	0.0		23.6	10.0	0.0		17.3		0.00	6.41
7+20	0.0		16.5	10.0	0.0		20.0		0.00	7.41
7+30	0.0		24.9	10.0	0.0		20.7		0.00	7.66
7+38	0.0		0.0	8.0	0.0		12.5		0.00	3.69

TOTAL: 1285.12

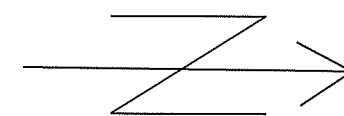
NOTES: THE CUT AREAS EXTEND FROM THE TOP OF THE EXISTING PAVEMENT TO THE BOTTOM OF THE PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.

AN ESTIMATED 424CY OF THE EXISTING HMA AND PCC SHALL BE REMOVED AND DISPOSED OFFSITE AT AN APPROVED LOCATION, AND 861CY OF SOIL AND/OR GRANULAR MATERIAL STOCKPILED ON SITE.

PLAN VIEW



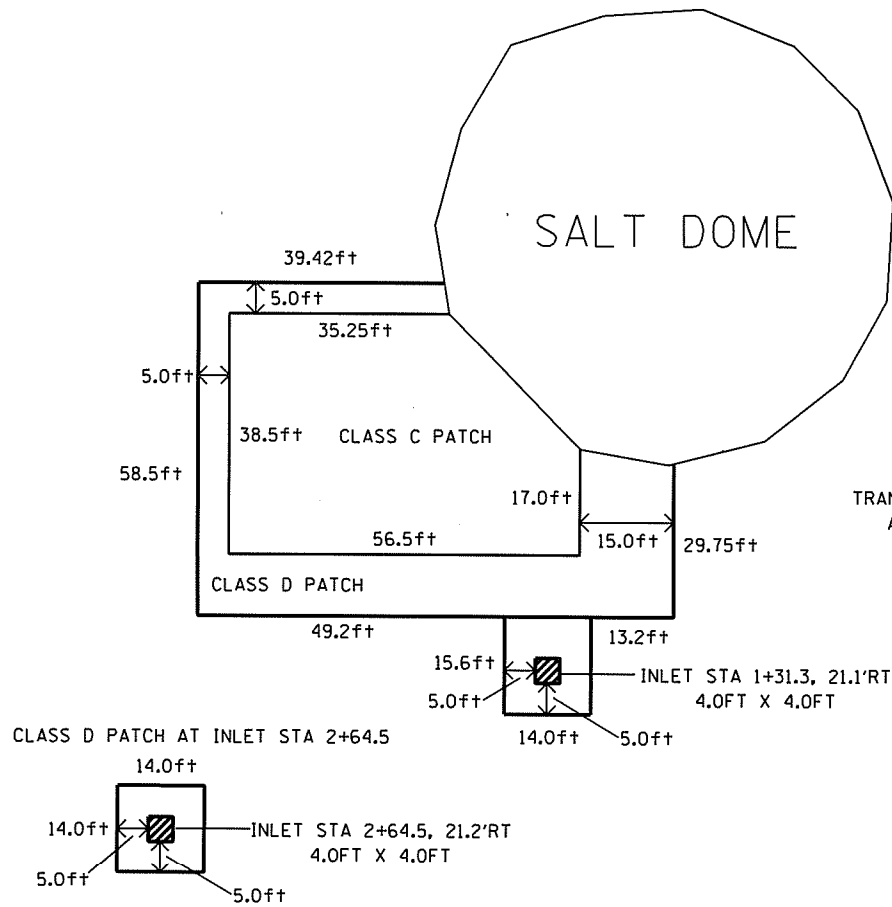
- CLASS C PATCH TY4 8IN
- HMA SC "C" (2INCH)
- CLASS D PATCH (6INCHES)
HMA SC "C" (2INCHES)
- VAR DEPTH HMA (SCRATCH)
HMA SC "C" (2INCH)



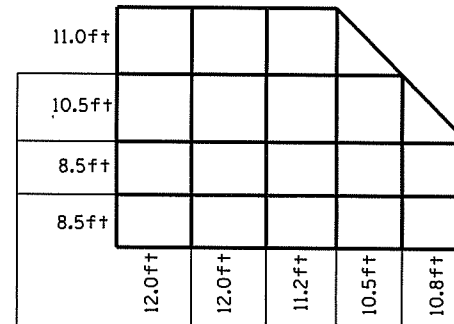
*ROCK FALLS MAINTENANCE YARD

REVISIONS REVISIONS REVISIONS REVISIONS	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION D2 MAINT. YARD 2021-1	COUNTY WHITESIDE	TOTAL SHEETS 28	SHEET NO. 10
SCALE: 61.545' / 1" SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64P86				
		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

CLASS C PATCH DIMENSIONS, JOINT LAYOUT, AND ELEVATIONS

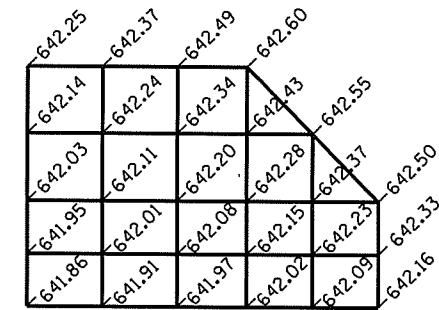


JOINT LAYOUT

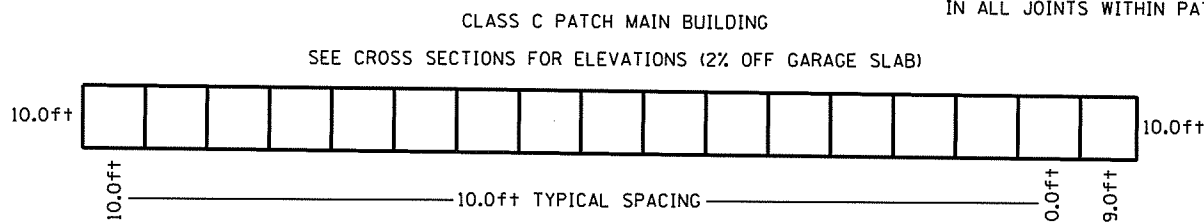


TRANSVERSE JOINTS SHALL BE SEALED
ACCORDING TO ART. 442.06(1)(3)
(INCIDENTAL TO PATCH)

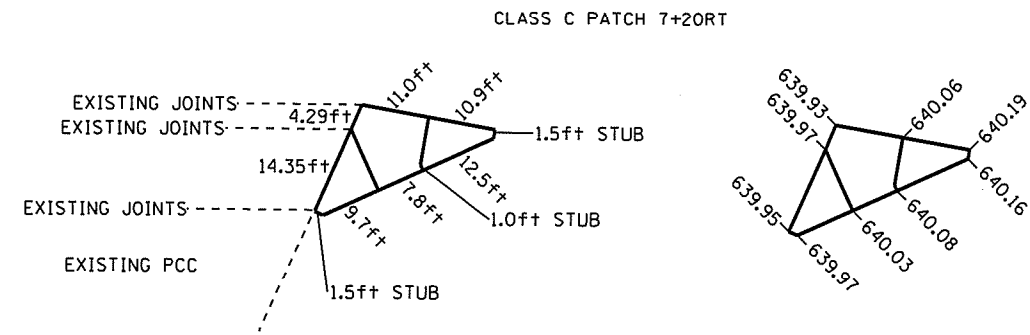
PATCH ELEVATIONS



TIE BARS SHALL BE INSTALLED ACCORDING
TO STANDARD 420001 ON ALL LONGITUDINAL JOINTS
ALL LONGITUDINAL JOINTS SHALL BE SEALED. (INCIDENTAL TO PATCH)



TIE BARS SHALL BE INSTALLED ACCORDING TO STANDARD 420001 ON EACH TRANSVERSE
JOINT (INCIDENTAL TO PATCH). ALL TRANSVERSE JOINTS SHALL BE SEALED (INCIDENTAL TO PATCH)



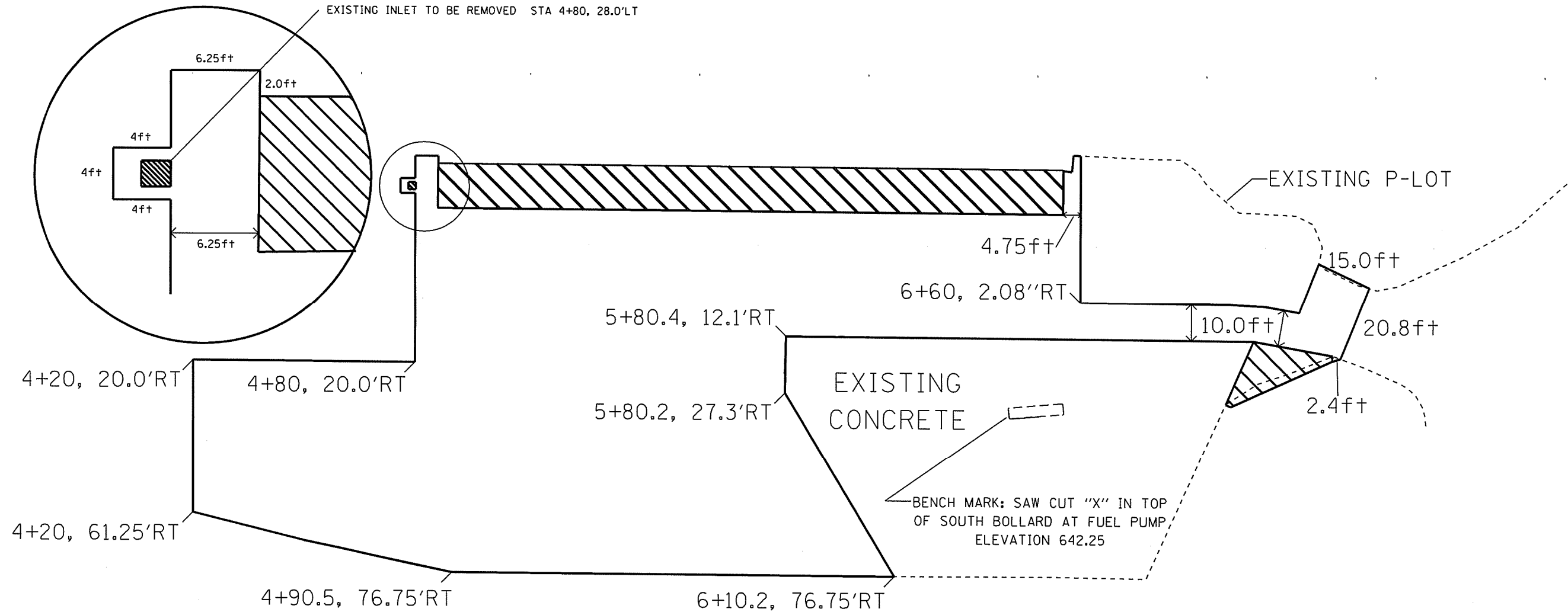
TIE BARS SHALL BE INSTALLED ACCORDING TO STANDARD 420001 TO TIE PATCH TO EXISTING PCC &
IN ALL JOINTS WITHIN PATCH (INCIDENTAL TO PATCH). ALL JOINTS SHALL BE SEALED (INCIDENTAL TO PATCH)

BENCH MARK: SAW CUT "X" IN TOP
OF SOUTH BOLLARD AT FUEL PUMP
ELEVATION 642.25

*ROCK FALLS MAINTENANCE YARD

REVISED - _____	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - _____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	11
REVISED - _____				CONTRACT NO. 64P86				
REVISED - _____				SCALE: 61.545' / 1" =	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS

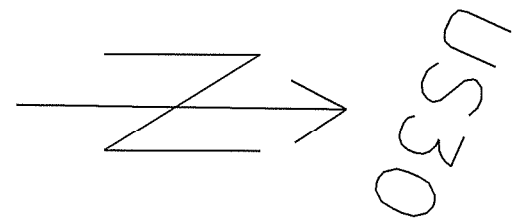
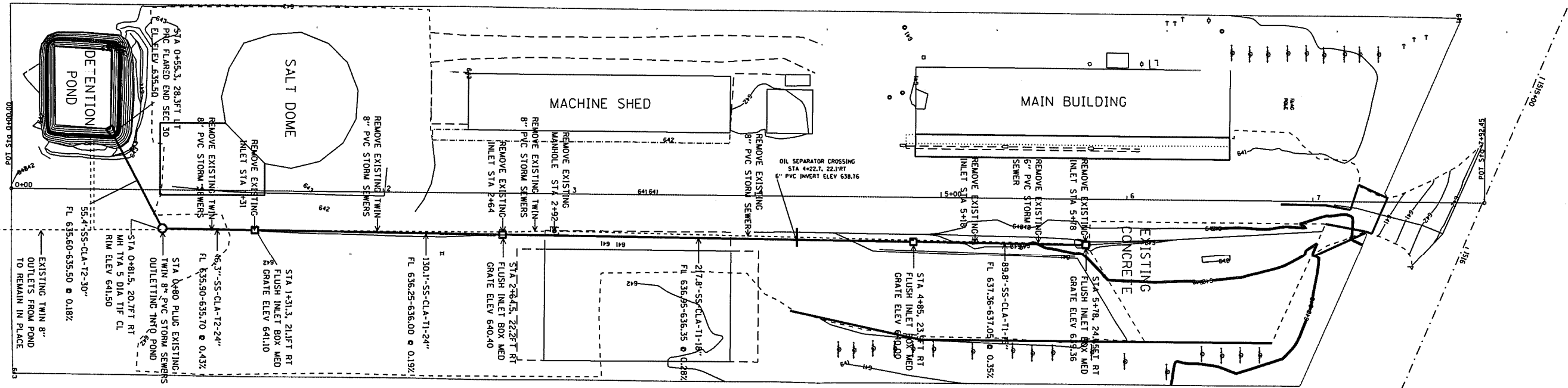
CLASS D PATCH STA 4+20 TO 7+40 LAYOUT
 SEE CROSS SECTIONS FOR PATCH BREAK POINTS, SLOPES & GRADES



*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	12	
REVISED - ____				CONTRACT NO. 64P86					
REVISED - ____				SCALE: 61.545' / 1" SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. ____ ILLINOIS FED. AID PROJECT				

STORM SEWER



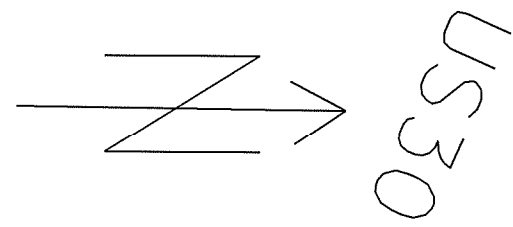
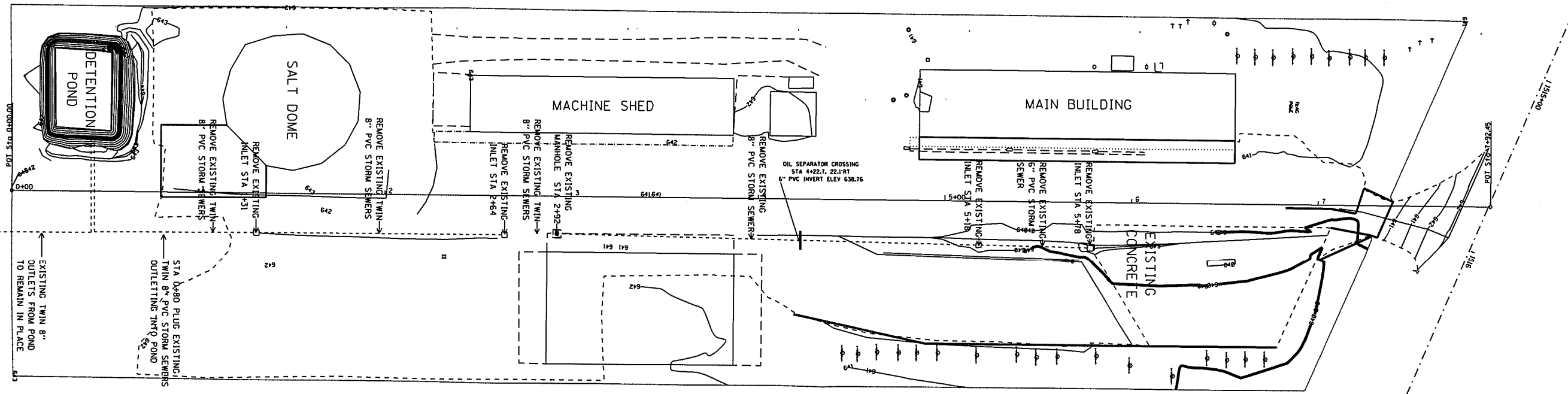
*ROCK FALLS MAINTENANCE YARD

REVISED -	_____
REVISED -	_____
REVISED -	_____
REVISED -	_____

REGION 2 / DISTRICT 2 STANDARD		
SCALE: $\frac{61.545}{1} = 1\text{\"}$	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D2 MAINT. YARD 2021-1	WHITESIDE	28	13
CONTRACT NO. 64P86				
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

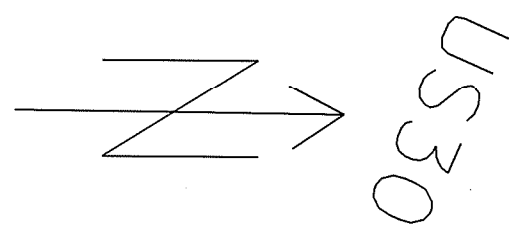
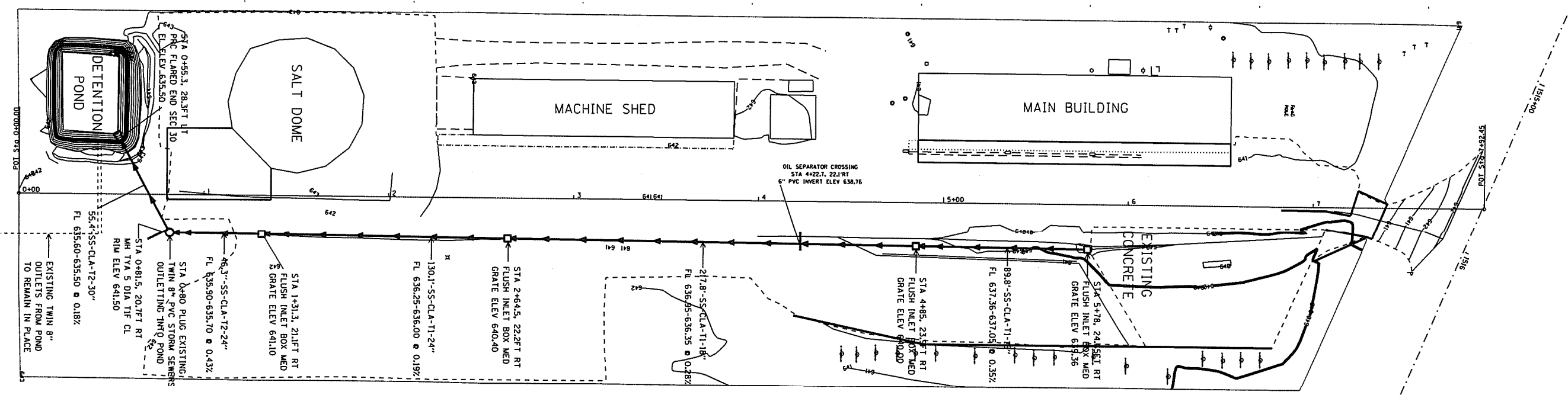
STORM SEWER REMOVAL



*ROCK FALLS MAINTENANCE YARD

REVISED - _____	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - _____		•	D2 MAINT. YARD 2021-1	WHITESIDE	28	14
REVISED - _____		CONTRACT NO. 64P86				
REVISED - _____		SCALE: 61.545' / 1" =	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS

PROPOSED STORM SEWER

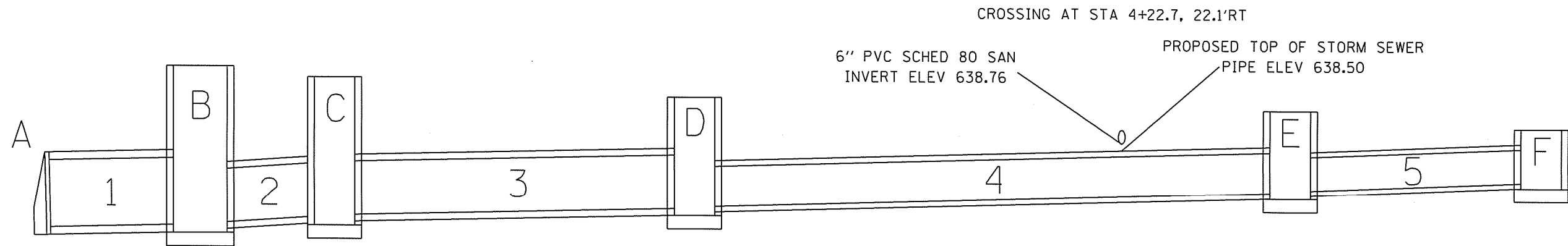


*ROCK FALLS MAINTENANCE YARD

REVISED - _____	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - _____		•	D2 MAINT. YARD 2021-1	WHITESIDE	28	15
REVISED - _____		CONTRACT NO. 64P86				
REVISED - _____		SCALE: 61.545' / 1" =	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS

PROPOSED STORM SEWER PROFILE

THE NORMAL WSE OF 636.50 IN THE DETENTION POND IS THE SAME ELEVATION AS THE OUTLET FLOWLINES OF THE TWO 8" PVC OUTLET PIPES. THIS NORMAL WSE IS CREATED BY HOLES LOCATED IN THE BOTTOM OF THE STANDPIPE TEE. THE TWO 8" DIA VERTICAL STANDPIPE WIER ELEV OF 638.25 CREATES OF 10-YR HEADWATER ELEVATION OF 639.36 IN THE DETENTION POND.



STRUCTURES:

- A: PRC FLARED END SEC 30, STA 0+55.3 28.3FT LT, FL ELEV 635.50
- B: MANHOLE TYA 5 DIA T1F CL, STA 0+81.5 20.7FT RT, RIM ELEV 641.50
- C: FLUSH INLET BOX MEDIAN, STA 1+31.3 21.1FT RT, GRATE ELEV 641.10
- D: FLUSH INLET BOX MEDIAN, STA 2+64.5 22.2FT RT, GRATE ELEV 640.40
- E: FLUSH INLET BOX MEDIAN, STA 4+85 23.9FT RT, GRATE ELEV 640.00
- F: FLUSH INLET BOX MEDIAN, STA 5+78 24.65'RT, GRATE ELEV 639.36

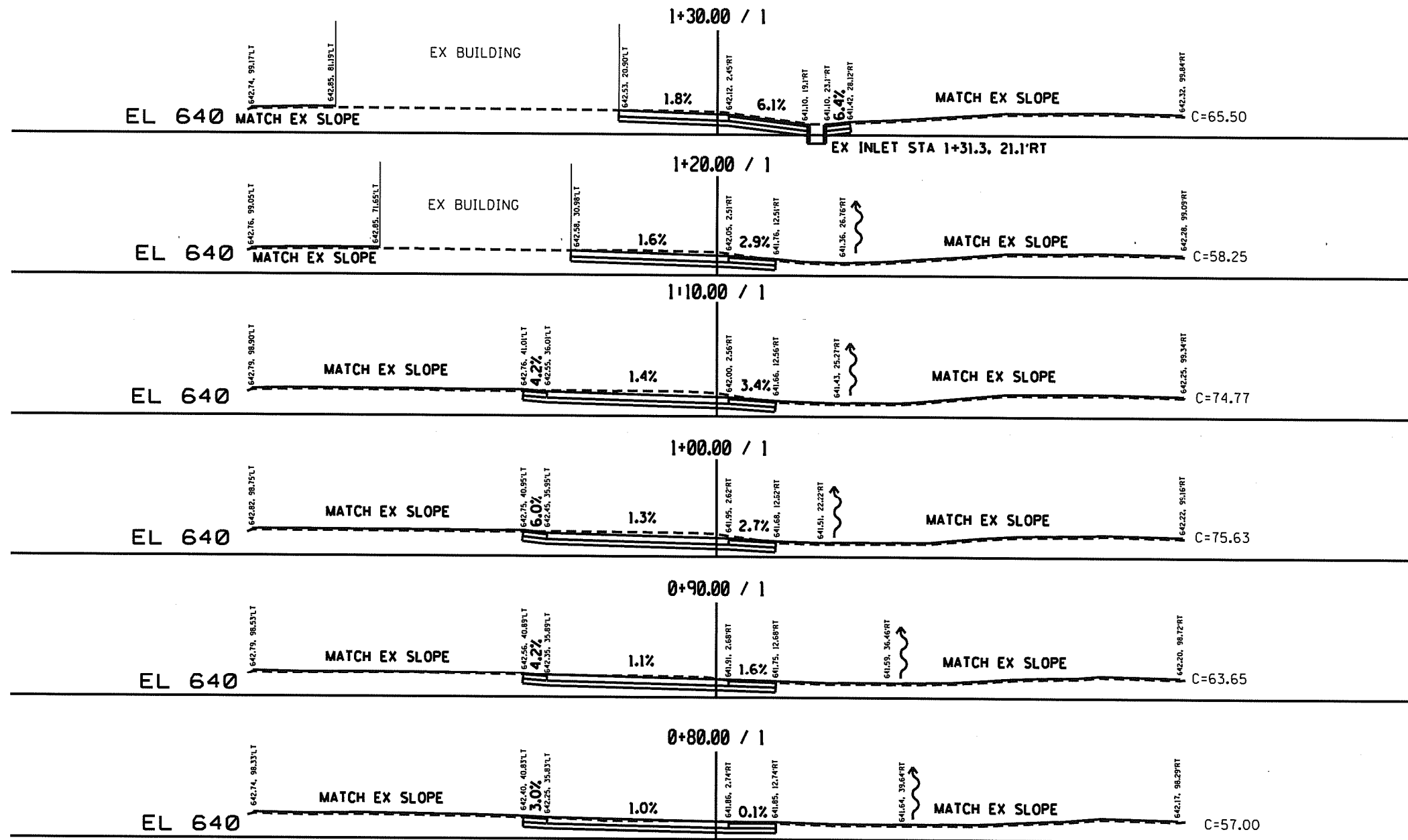
PIPE RUNS:

- 1: 55.4FT SS CL A T2 30 FL 635.60-635.50 @ 0.18%
- 2: 46.3FT SS CL A T2 24 FL 635.90-635.70 @ 0.43%
- 3: 130.1FT SS CL A T1 24 FL 636.25-636.00 @ 0.19%
- 4: 217.8FT SS CL A T1 18 FL 636.95-636.35 @ 0.28%
- 5: 89.8FT SS CLA T1 15 FL 637.36-637.05 @ 0.35%

NOTE: USE STANDARD 542546 FOR FLUSH INLET BOX FOR MEDIAN, STANDARD 542301 FOR PRECAST FLARED END SECTION, AND STANDARD 602401 FOR MANHOLE TY A 5 DIA

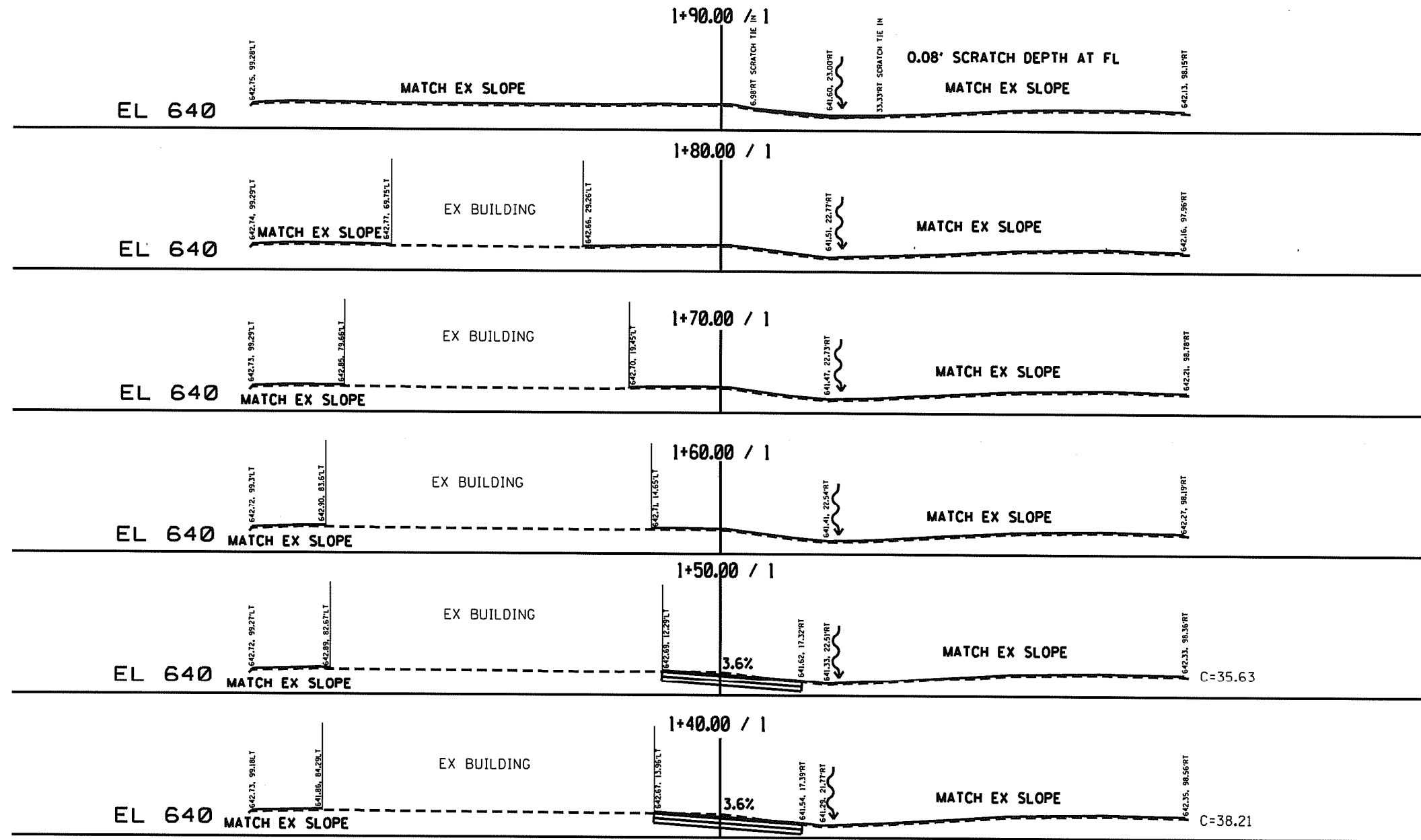
*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - ____				8	D2 MAINT. YARD 2021-1	WHITESIDE	28	16
REVISED - ____				CONTRACT NO. 64P86				
REVISED - ____				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: 61.545' / 1" =		SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____					



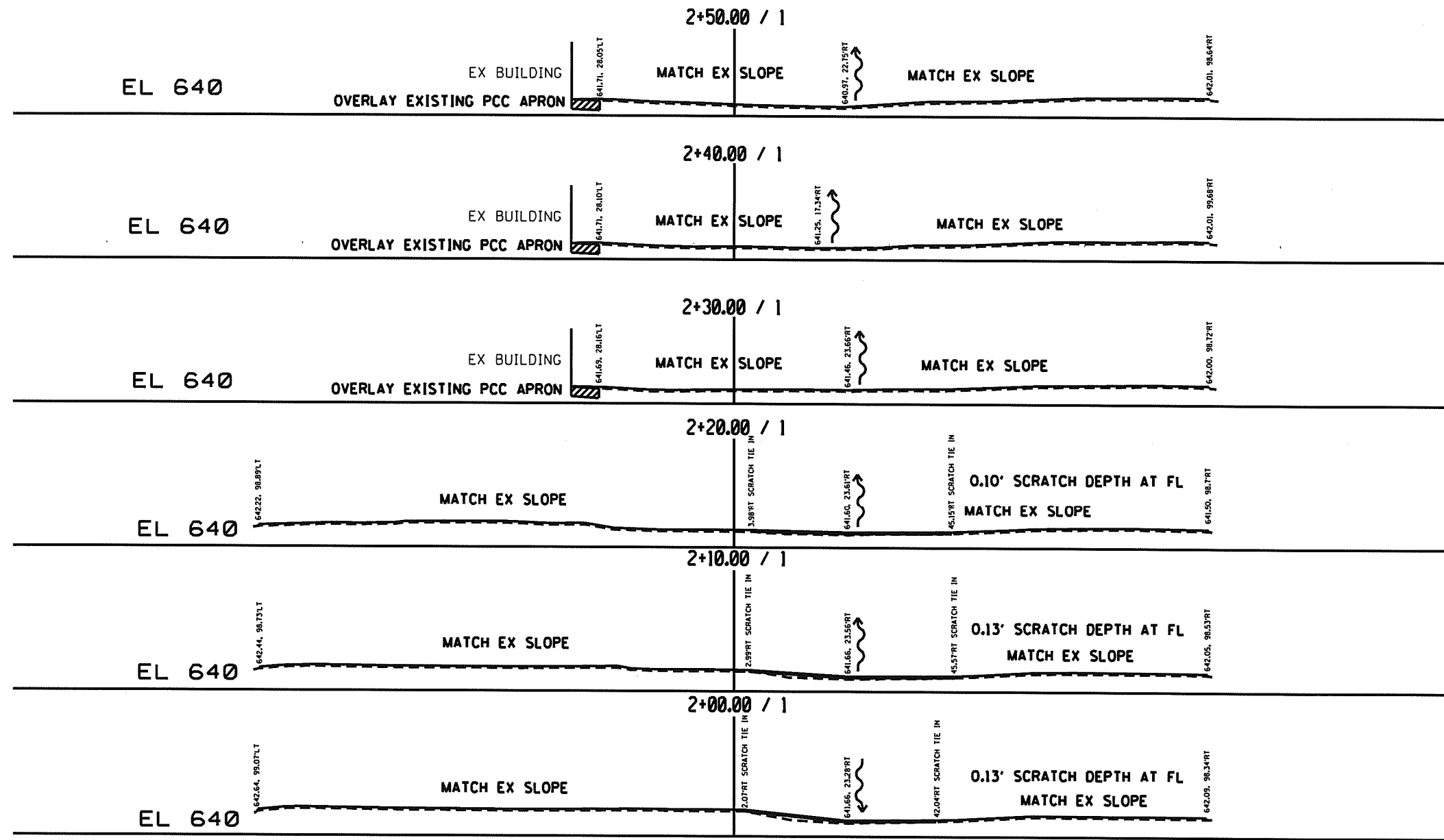
*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	17
REVISED - ____				CONTRACT NO. 64P86				
REVISED - ____				SCALE: 27.353' / in.	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS



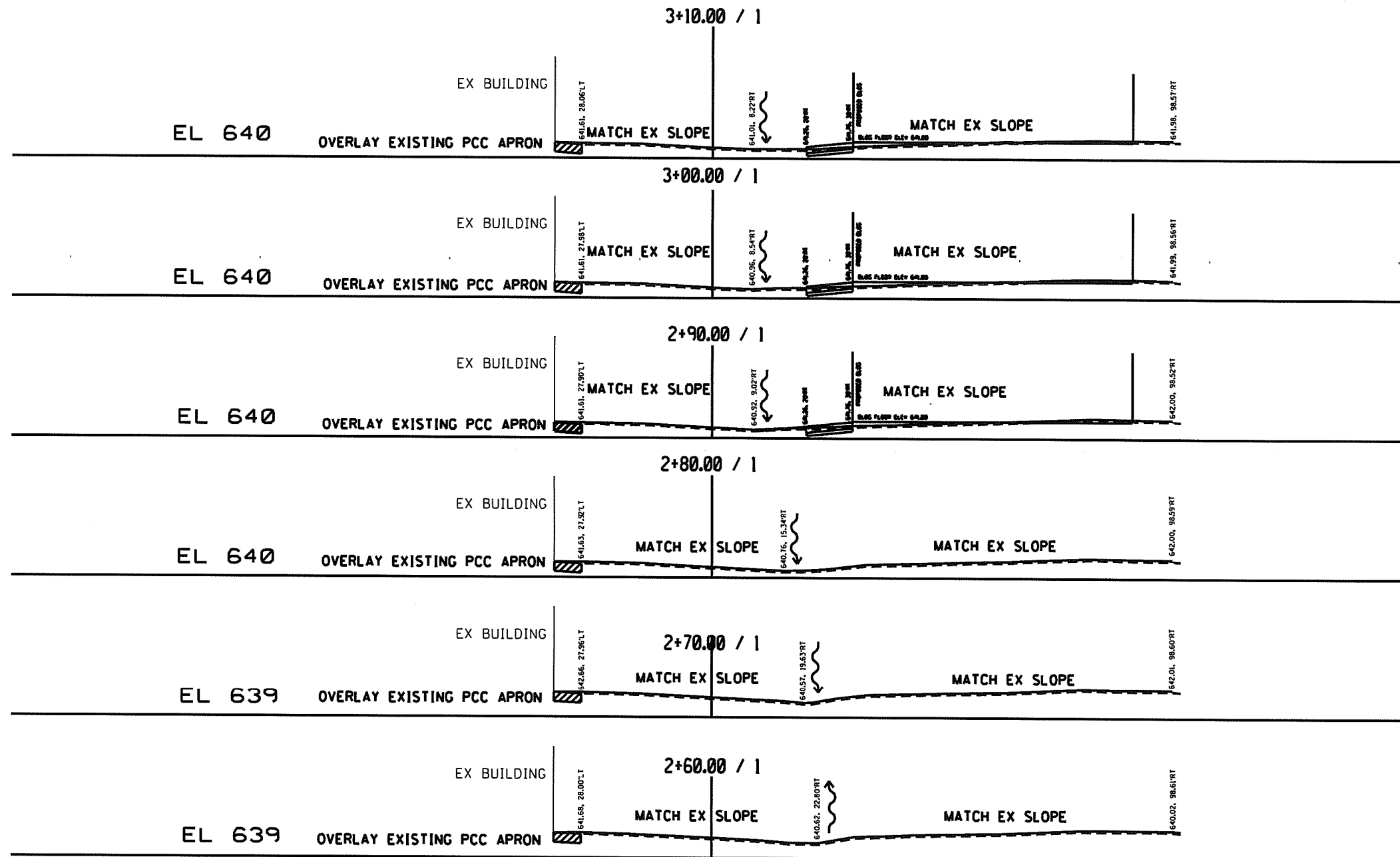
*ROCK FALLS MAINTENANCE YARD

REVISED -	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED -				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	18	
REVISED -				CONTRACT NO. 64P86					
REVISED -				SCALE: 27.353' / 1" SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		



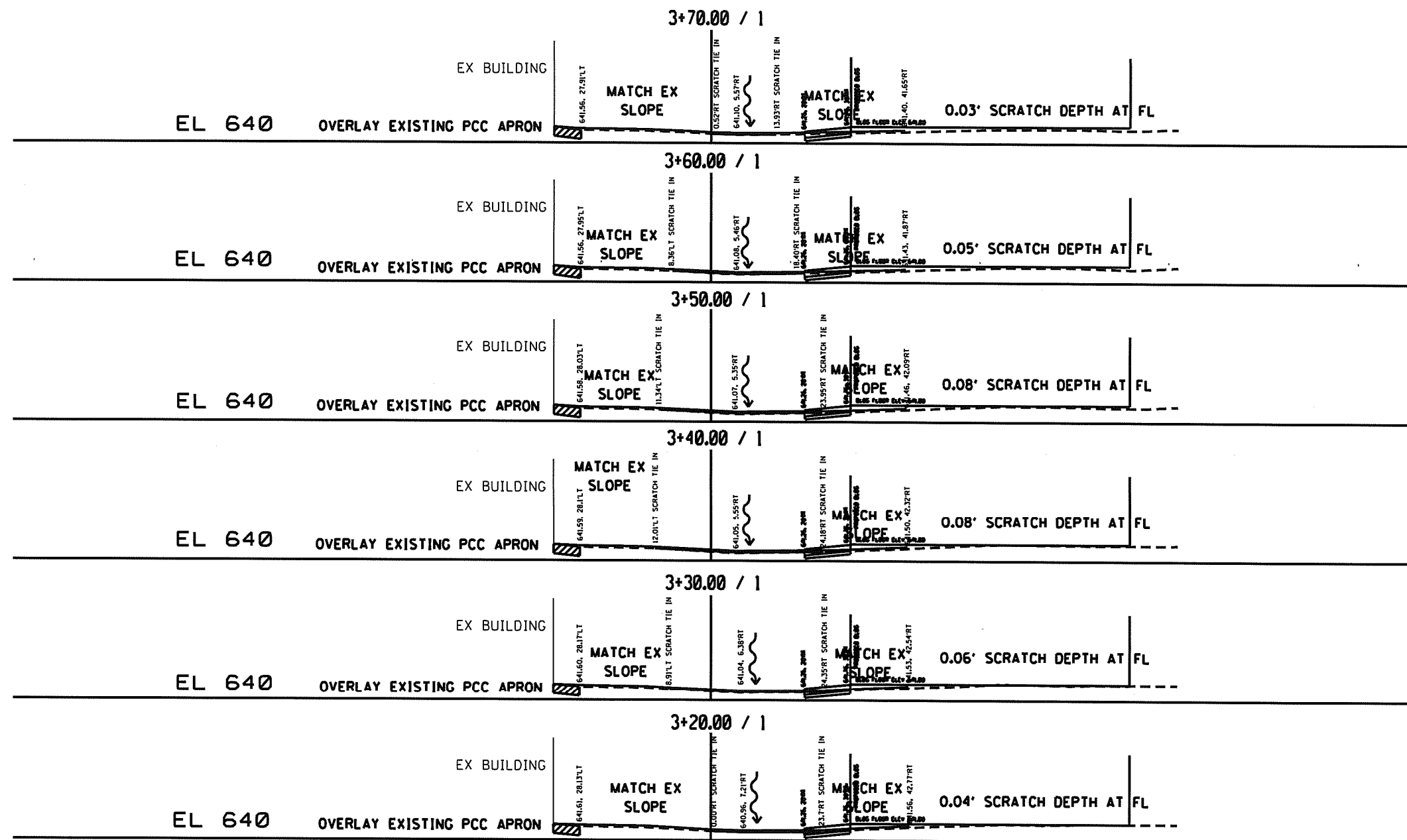
*ROCK FALLS MAINTENANCE YARD

REVISÉD - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
REVISÉD - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	19		
REVISÉD - ____				CONTRACT NO. 64P86						
REVISÉD - ____				SCALE: 27.353' / in.	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT	



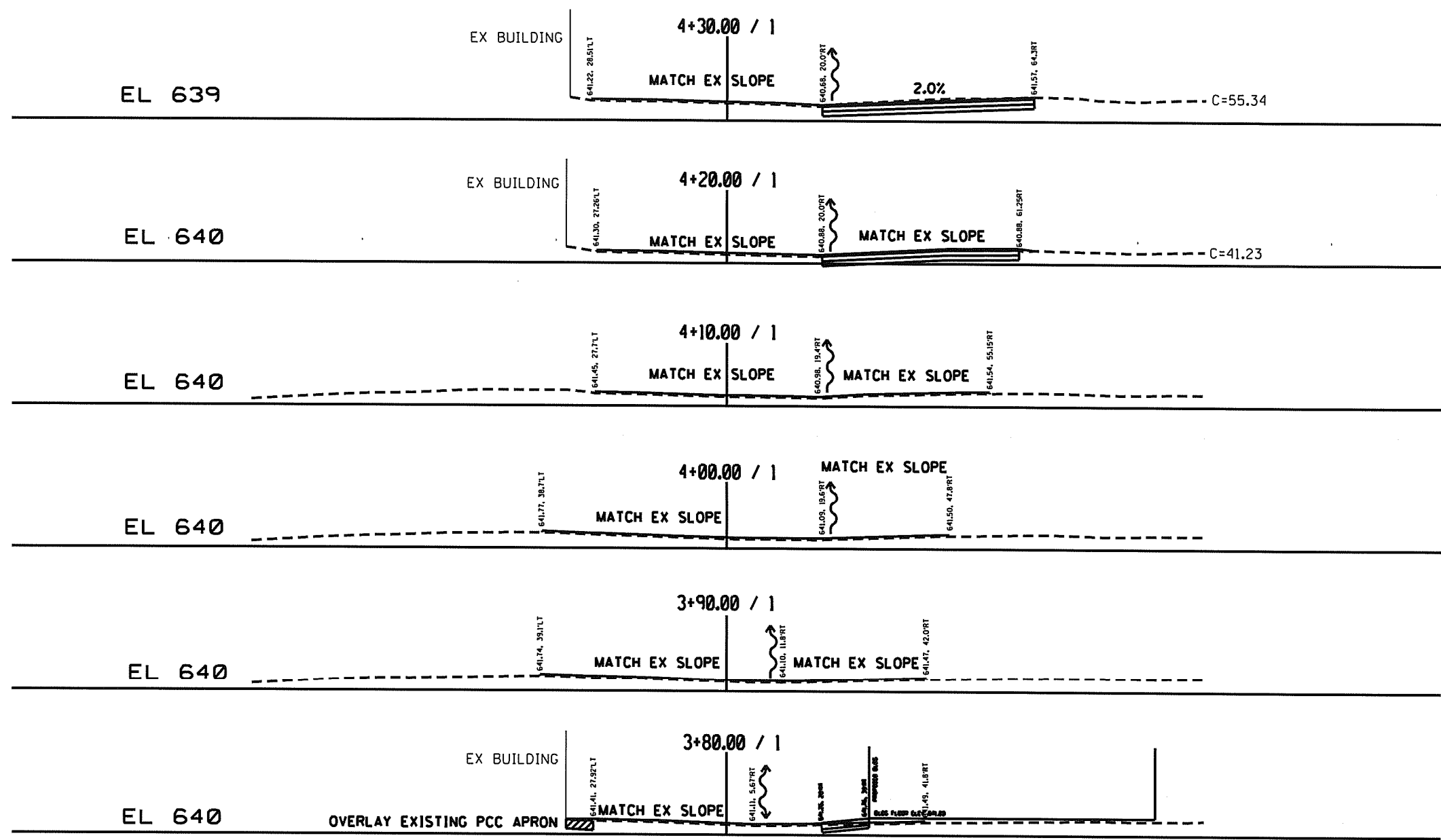
*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	20	
REVISED - ____				CONTRACT NO. 64P86					
REVISED - ____				SCALE: 27.353' / 1" SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS	FED. AID PROJECT	



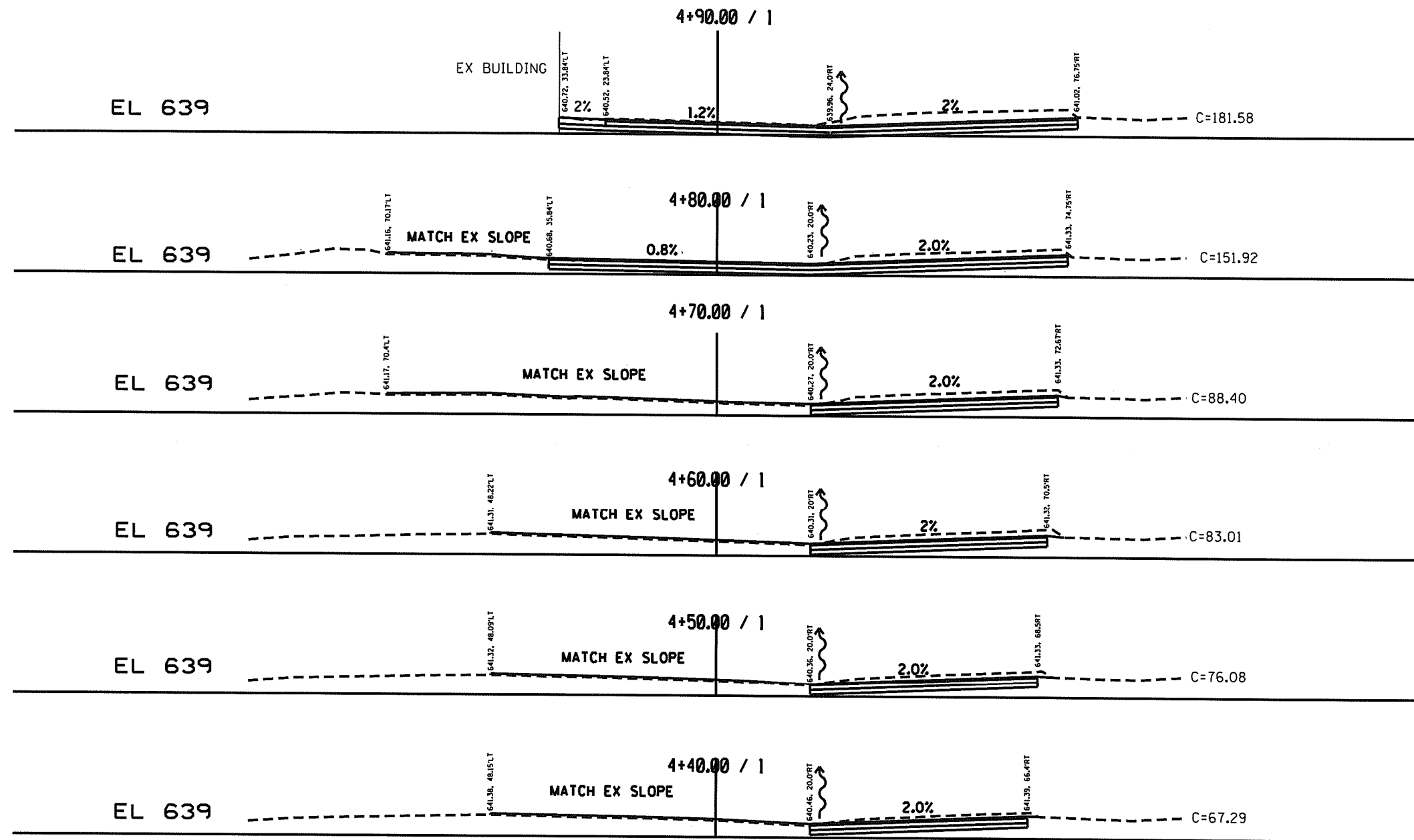
*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	21	
REVISED - ____				CONTRACT NO. 64P86					
REVISED - ____				SCALE: 27.353' / 1" SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS	FED. AID PROJECT	



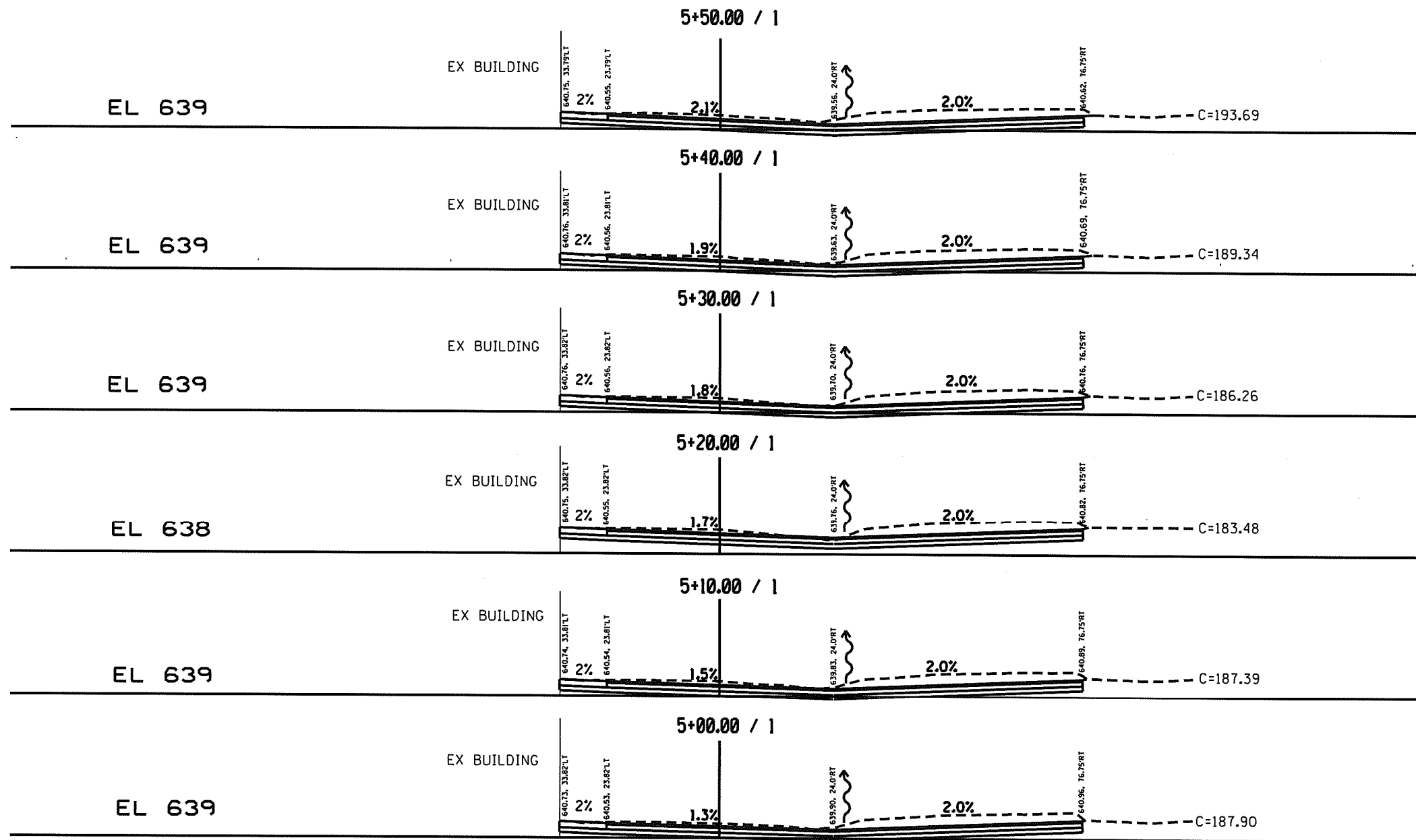
*ROCK FALLS MAINTENANCE YARD

REVISED - _____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - _____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	22
REVISED - _____				CONTRACT NO. 64P86				
REVISED - _____				SCALE: 27.353' / in.	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS



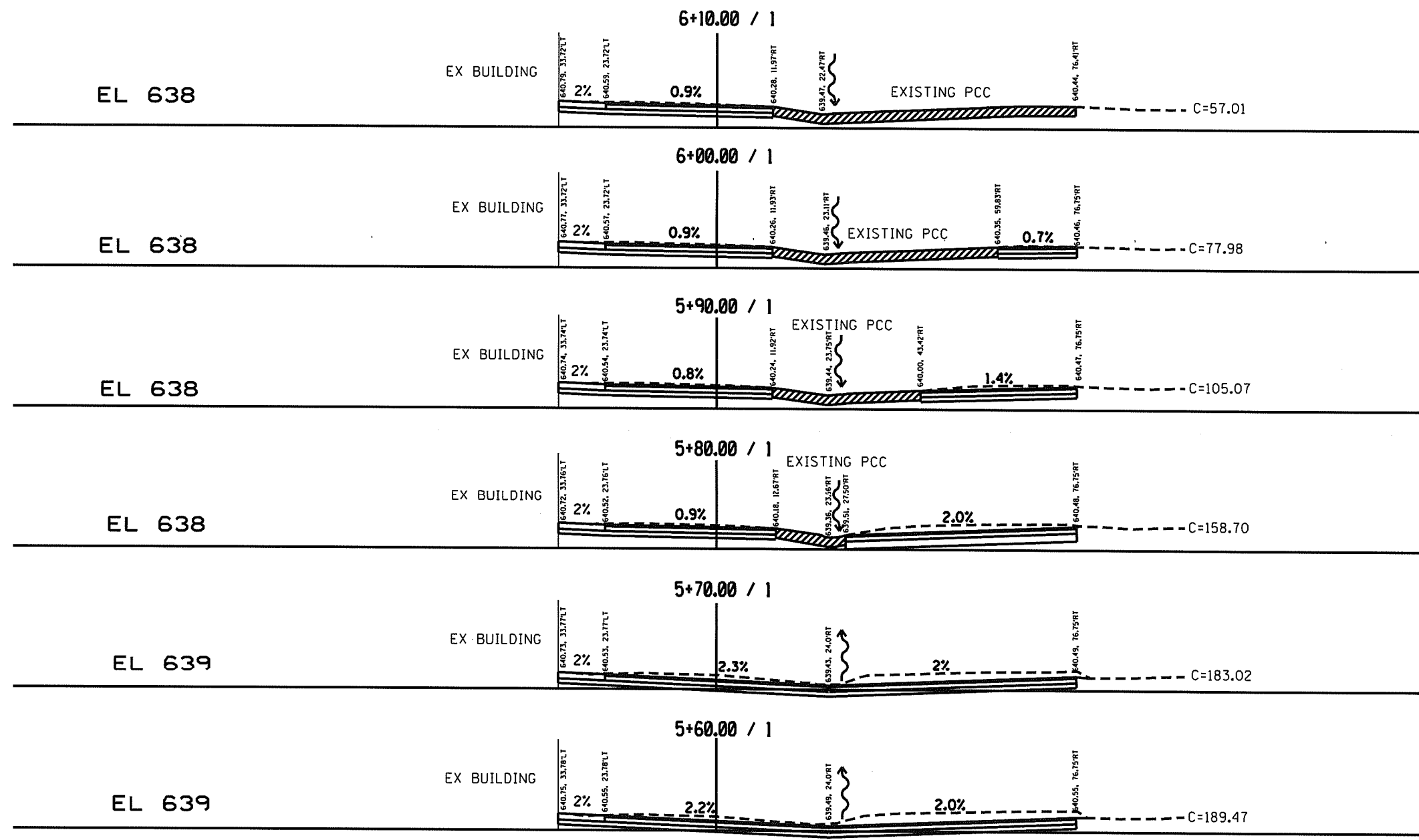
*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	23	
REVISED - ____				CONTRACT NO. 64P86					
REVISED - ____				SCALE: 27.353' / 1" SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



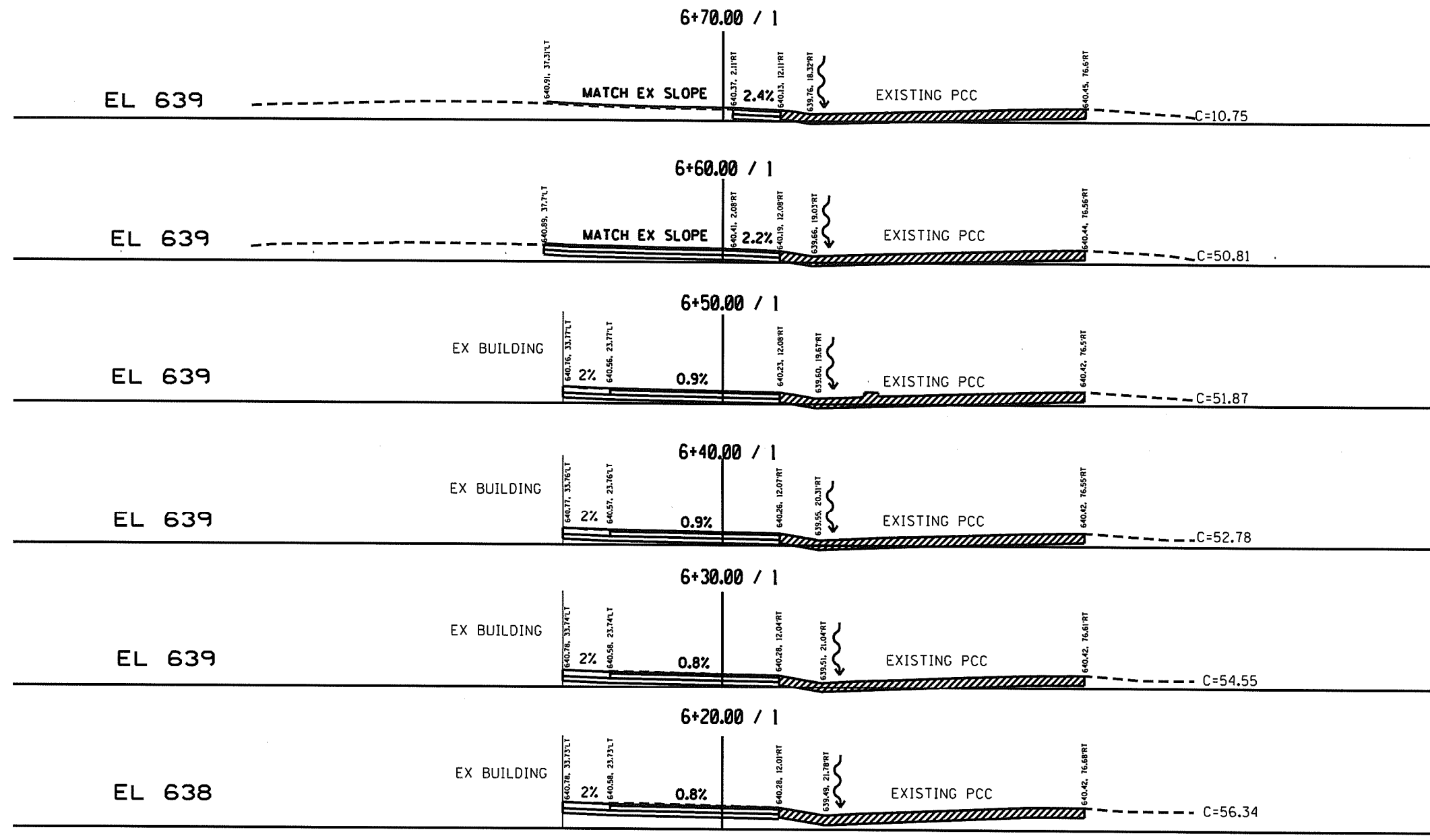
*ROCK FALLS MAINTENANCE YARD

REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	24
REVISED - ____				CONTRACT NO. 64P86				
REVISED - ____				SCALE: 27.353' / 1" SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT	



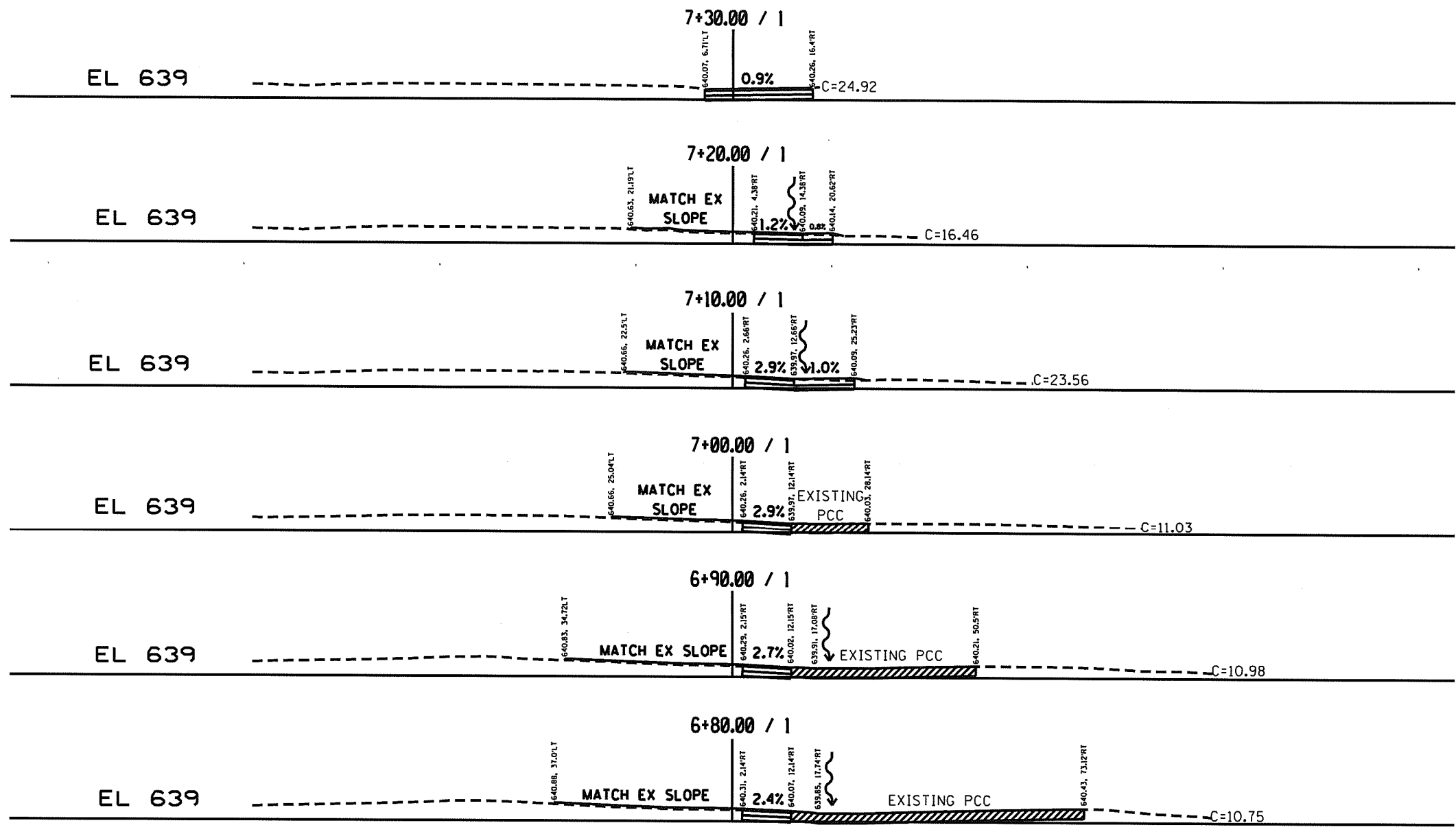
*ROCK FALLS MAINTENANCE YARD

REVISD - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISD - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	25	
REVISD - ____				CONTRACT NO. 64P86					
REVISD - ____				SCALE: 27.353' / 1" SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



*ROCK FALLS MAINTENANCE YARD

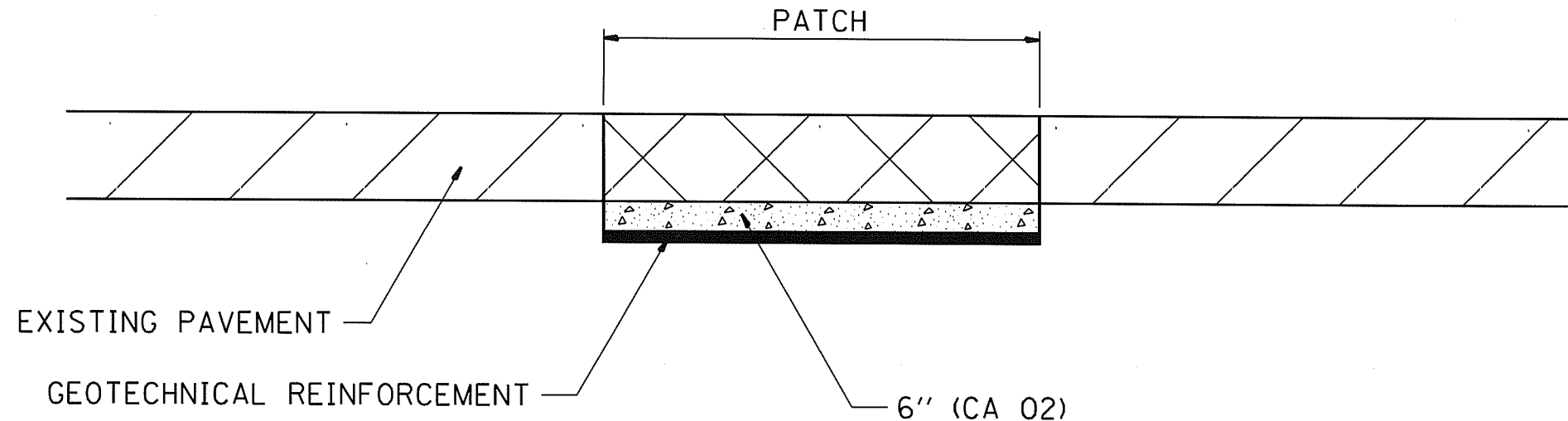
REVISED - ____	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	26	
REVISED - ____				CONTRACT NO. 64P86					
REVISED - ____				SCALE: 27.353' / 1" =	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT



*ROCK FALLS MAINTENANCE YARD

REVISED - _____	REGION 2 / DISTRICT 2 STANDARD			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - _____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	27
REVISED - _____				CONTRACT NO. 64P86				
REVISED - _____				SCALE: 27.353' / 1" SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT	

SUBGRADE REPLACEMENT



NOTES:

THE CA 02 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 02 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR AGGREGATE SUBGRADE IMPROVEMENT WHICH SHALL ALSO INCLUDE ALL EARTH EXCAVATION.

THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

*ROCK FALLS MAINTENANCE YARD

REVISED - 3-13-13	REGION 2 / DISTRICT 2 STANDARD			F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - ____				•	D2 MAINT. YARD 2021-1	WHITESIDE	28	28
REVISED - ____				CONTRACT NO. 64P86				
REVISED - ____				SCALE: 54.706' / in.	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT