

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION**

**PROPOSED**  
**HIGHWAY PLANS**

**FAI ROUTE 57 (I-57)**  
**SECTION D9 PAVT REPLACEMENT 2017-1**  
**PROJECT NHPP-0057(406)**  
**PAVEMENT REHABILITATION**  
**JEFFERSON COUNTY**

C-99-034-16

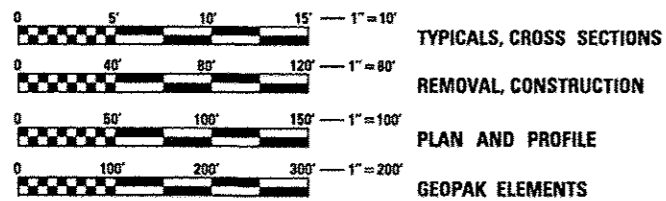
**PROJECT LOCATION**

**I-57 NB STA 131+40 TO STA 141+80**  
**EXIT 83 RAMPS AT INA**

FOR INDEX OF SHEETS, SEE SHEET NO. 3  
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-9  
 FOR STRUCTURAL PAVEMENT DESIGN INFORMATION, SEE SHEET NO. 10

**TRAFFIC DATA**

I-57 SB ENTRANCE RAMP (RAMP A)	1250 WITH 41% TRUCKS (2015 ADT)
I-57 SB EXIT RAMP (RAMP B)	1500 WITH 34% TRUCKS (2015 ADT)
I-57 NB ENTRANCE RAMP (RAMP C)	1600 WITH 44% TRUCKS (2015 ADT)
I-57 NB EXIT RAMP (RAMP D)	1350 WITH 50% TRUCKS (2015 ADT)
I-57 NB MAINLINE	34750 WITH 28% TRUCKS (2016 ADT)
NORTH AVENUE (CH-42)	5425 WITH 32% TRUCKS (2016 ADT)



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

**DESIGN DESIGNATION : 1878(27) INTERSTATE 9.51 (PCC-20)**

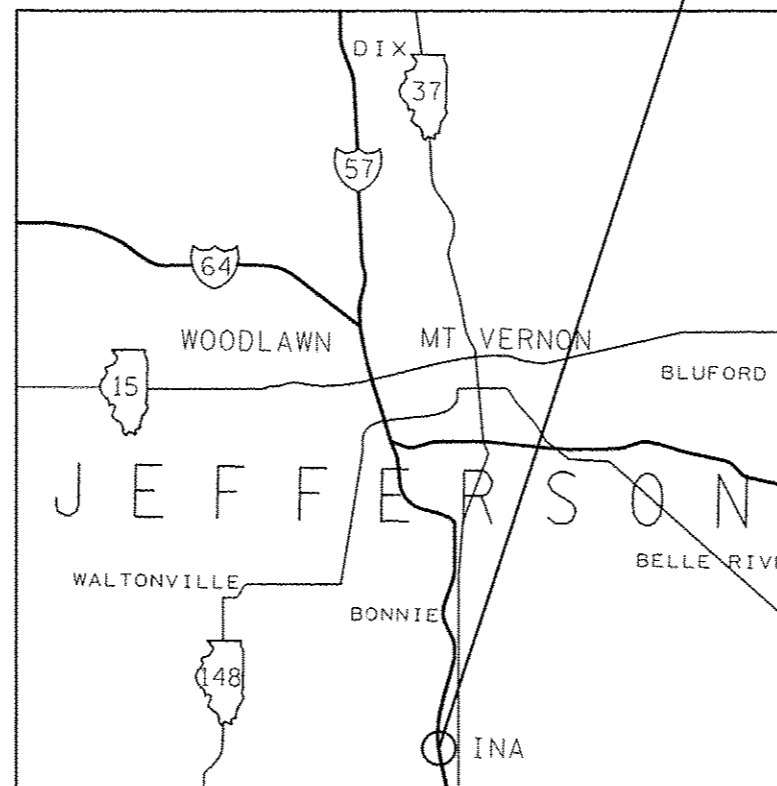
**COORDINATE SYSTEM : EPSG: 102671**  
**NAD 1983 STATEPLANE ILLINOIS EAST FIPS 1201 FEET**

**POSTED SPEED : I-57 70 MPH**  
**CH-42 30 MPH**

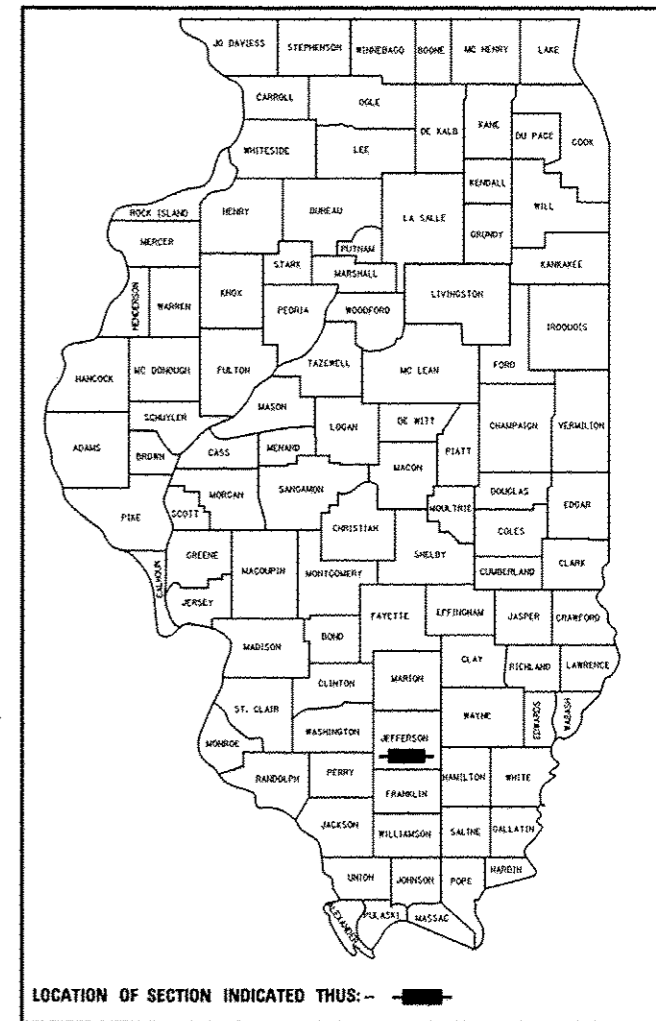
J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811

**PROJECT ENGINEER SUSAN POE**  
**PROJECT DESIGNER JARED HARP**

**CONTRACT NO. 78532**



GROSS LENGTH = 1040 FT. = 0.42 MILES  
 NET LENGTH = 1040 FT. = 0.42 MILES



**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION**

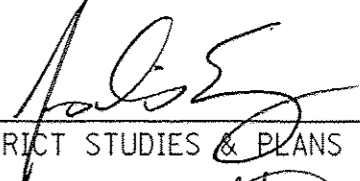
SUBMITTED Jan 30 2017

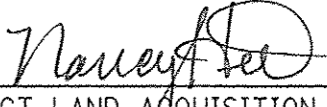
Jeffrey A. Reim  
 REGION FIVE ENGINEER

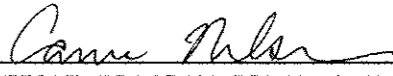
Mar 24 2017  
Margaret M. Addis P.E.  
 ENGINEER OF DESIGN AND ENVIRONMENT

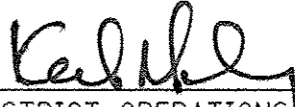
Mar 24 2017  
Paula J. O'Connell  
 DIRECTOR OF PROGRAM DEVELOPMENT


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**OF THE STATE OF ILLINOIS**


Prepared By:   
DISTRICT STUDIES & PLANS ENGINEER


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Examined By:   
DISTRICT OPERATIONS ENGINEER

Examined By:   
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:   
DISTRICT CONSTRUCTION ENGINEER

Examined By:   
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * harpja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SIGNATURE SHEET</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ILL094E010NTEG\Illinois.gov\PIDOT\00	uments\DOT Offices\District 9\Projects\785	DRAWN	REVISED -		1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	2				
		CHECKED -	REVISED -						CONTRACT NO. 78532				
Default	PLOT SCALE * 100.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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2	SIGNATURE SHEET
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4	GENERAL NOTES, COMMITMENTS, MIXTURE REQUIREMENTS
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41	DETAILS: TRAFFIC CONTROL, UNEVEN LANES ROUGH GROOVED SURFACE, SEEDING AND MULCHING
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## STANDARDS

000001-06	STANDARD SYMBOLS ABBREVIATIONS & PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF INCH & FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420101-05	24 FT JOINTED PCC PAVEMENT
442101-07	CLASS B PATCHES
483001-04	PCC SHOULDER
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
635001-02	DELINEATORS
701001-02	OFF ROAD OPERATIONS - 2 LANE, 2 WAY - 15FT MINIMUM FROM EDGE OF PAVEMENT
701006-05	OFF ROAD OPERATIONS - 2 LANE, 2 WAY - 15FT TO EDGE OF PAVEMENT
701011-04	OFF ROAD MOVING OPERATIONS - 2 LANE, 2 WAY - DAY ONLY
701301-04	LANE CLOSURE 2 LANE, 2 WAY - SHORT TIME OPERATIONS
701400-09	APPROACH TO LANE CLOSURE - FREEWAY / EXPRESSWAY
701401-10	LANE CLOSURE FREEWAY / EXPRESSWAY
701426-09	LANE CLOSURE MULTI LANE - INTERMITTANT OR MOVING OPERATIONS 45MPH OR MORE
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY EXPRESSWAY
701451-04	RAMP CLOSURE FREEWAY EXPRESSWAY
701501-06	URBAN LANE CLOSURE 2 LANE, 2 WAY - UNDIVIDED
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

## GENERAL NOTES

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED WILL BE DETERMINED BY THE ENGINEER.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU.YD.
ALL AGGREGATE	2.05 TONS/CU.YD.
BITUMINOUS MATERIALS:	
(TACK COAT) ON PAVEMENT	0.05 LBS./SQ.FT.
HMA LIFTS (PRIME COAT)	0.025 LBS./SQ.FT.
AGGREGATE BASES	0.25 LBS./SQ.FT.
EARTH	110 LBS / CU. FT.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.

EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL AND SURFACE COURSE.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE LIMITS OF EARTH SLOPES SHOWN IN THE CROSS SECTIONS ARE APPROXIMATE. THE ACTUAL SLOPE USED SHALL BE DETERMINED BY THE MATERIAL CLASSIFICATION AS DEFINED IN ARTICLE 202.04, AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT MIX ASPHALT SURFACE AT 100 m (300 FT.) INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 140 mm (5 1/2 IN.) TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

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

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B

AFTER A LIFT OF HOT MIX ASPHALT HAS BEEN PLACED, THE LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150 DEGREES FAHRENHEIT.

THERE ARE NO AVAILABLE WASTE SITES ON THE EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS. DISPOSAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS

## COMMITMENTS

NONE

## MIXTURE REQUIREMENTS

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	POLYMER HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90
AC/PG:	SBS PG76-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM
FRICTION AGGREGATE:	D SURFACE
QUALITY MANAGEMENT PROGRAM:	QCQA

# SUMMARY OF QUANTITIES

COUNTY:	JEFFERSON
ROUTE:	I-57, FAI 57
FUNDING:	90% FEDERAL 10% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0004
25000115	SEEDING, CLASS 1B	ACRE	2	2
25000350	SEEDING, CLASS 7	ACRE	2	2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	320	320
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	240	240
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	240	240
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4	4
25100115	MULCH, METHOD 2	ACRE	4	4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	7,053	7,053
31200100	STABILIZED SUBBASE 4"	SQ YD	7,053	7,053
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1,445	1,445

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON
ROUTE:	I-57, FAI 57
FUNDING:	90% FEDERAL 10% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
40600990	TEMPORARY RAMP	SQ YD	159	159
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	360	360
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	3,359	3,359
44000100	PAVEMENT REMOVAL	SQ YD	3,359	3,359
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3,211	3,211
44004250	PAVED SHOULDER REMOVAL	SQ YD	2,923	2,923
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	84	84
44201299	DOWEL BARS 1 1/2"	EACH	801	801
44213200	SAW CUTS	FOOT	384	384
44213204	TIE BARS 3/4"	EACH	461	461
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	894	894

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON
ROUTE:	I-57, FAI 57
FUNDING:	90% FEDERAL 10% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	3,472	3,472
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	7	7
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	95	95
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,231	2,231
63500105	DELINEATORS	EACH	87	87
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	LSUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1	1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON
ROUTE:	I-57, FAI 57
FUNDING:	90% FEDERAL 10% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0004

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0004
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOL	SQ FT	83.2	83.2
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	4,904	4,904
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	320	320
* 78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	511	511
* 78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	95	95
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	118	118
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	41	41
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	100	100
X6350120	DELINEATOR REMOVAL	EACH	48	48
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	284	284
* X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOL	SQ FT	270.4	270.4

\* SPECIALTY ITEM



1003 7 3 2017

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON
ROUTE:	I-57, FAI 57
FUNDING:	90% FEDERAL 10% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0004

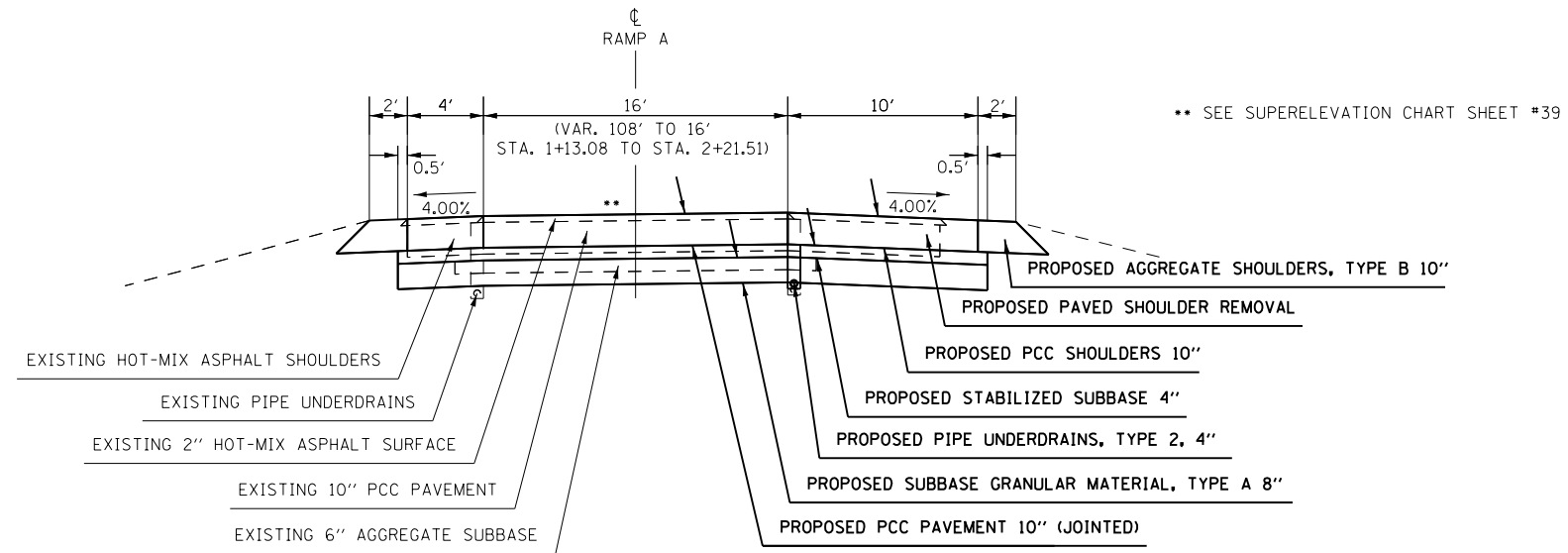
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	3,093	3,093
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	95	95
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	118	118

\* SPECIALTY ITEM

# TYPICAL SECTION #1

## ENTRANCE RAMP RAMP A

JEFFERSON COUNTY  
SOUTHBOUND ENTRANCE RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATION)



STRUCTURAL DESIGN TRAFFIC: Year 2027  
 PV = 1055 SU = 176 MU = 646  
 ROAD/STREET CLASSIFICATION: Class I  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 56.2% S = 9.4% M = 34.4%  
 TRAFFIC FACTOR: Actual TF = 9.51 AC Type = \_\_\_\_\_  
 Minimum TF = 4.59  
 PG GRADE: Binder = \_\_\_\_\_ Surface = \_\_\_\_\_  
 SUBGRADE SUPPORT RATING:  
 SSR = POOR (Sta. \_\_\_\_\_ to \_\_\_\_\_)  
 SSR = \_\_\_\_\_ (Sta. \_\_\_\_\_ to \_\_\_\_\_)

TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP A SOUTHBOUND ENTRANCE  
STATION 1+13.08 TO STATION 4+64.00

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION  
PCC RAMP A

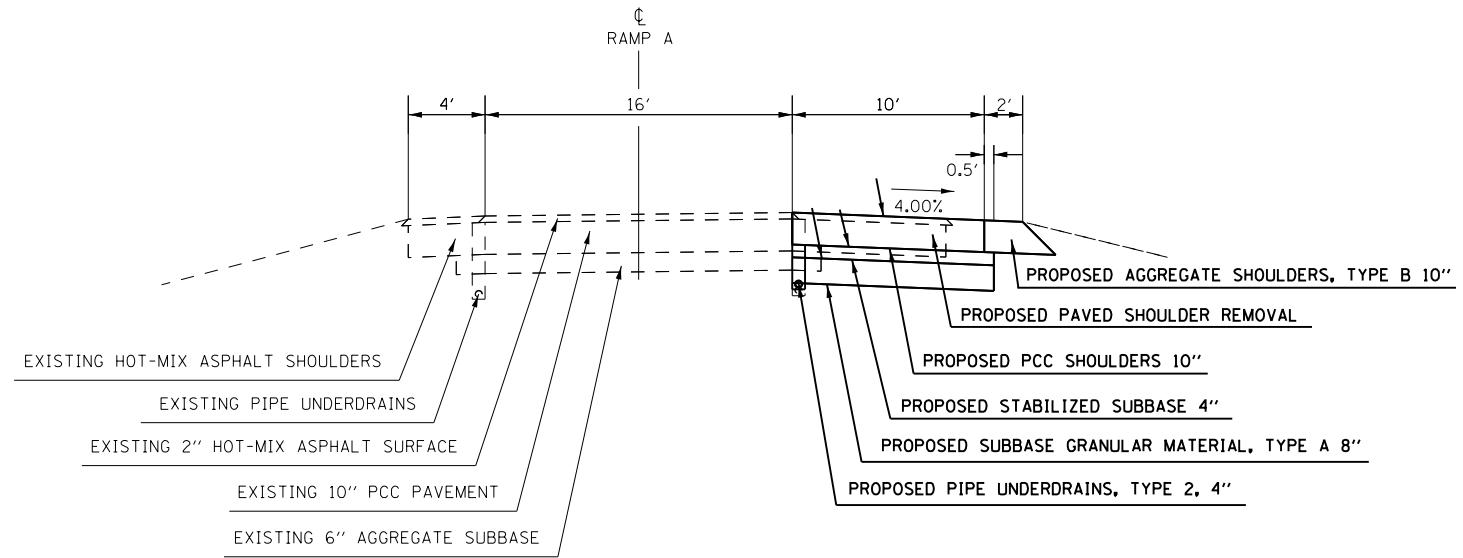
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	10
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION #2

## ENTRANCE RAMP RAMP A SHOULDER

JEFFERSON COUNTY  
SOUTHBOUND ENTRANCE RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATION)



TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP A SOUTHBOUND ENTRANCE  
STATION 4+64.00 TO STATION 6+89.00

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

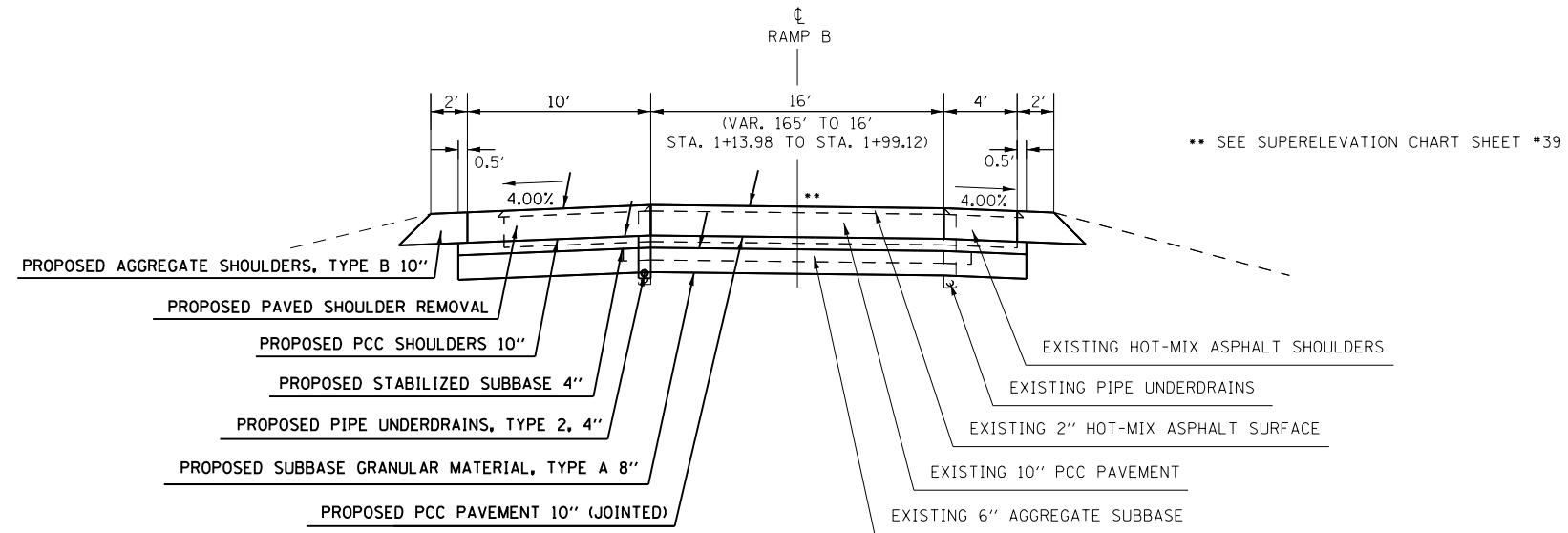
<b>TYPICAL SECTION PCC RAMP A SHOULDER</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	11
<b>CONTRACT NO. 78532</b>				
ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION #3

## EXIT RAMP RAMP B

JEFFERSON COUNTY  
SOUTHBOUND EXIT RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATIONING)



TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP B SOUTHBOUND EXIT  
STATION 1+13.98 TO STATION 2+54.00

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

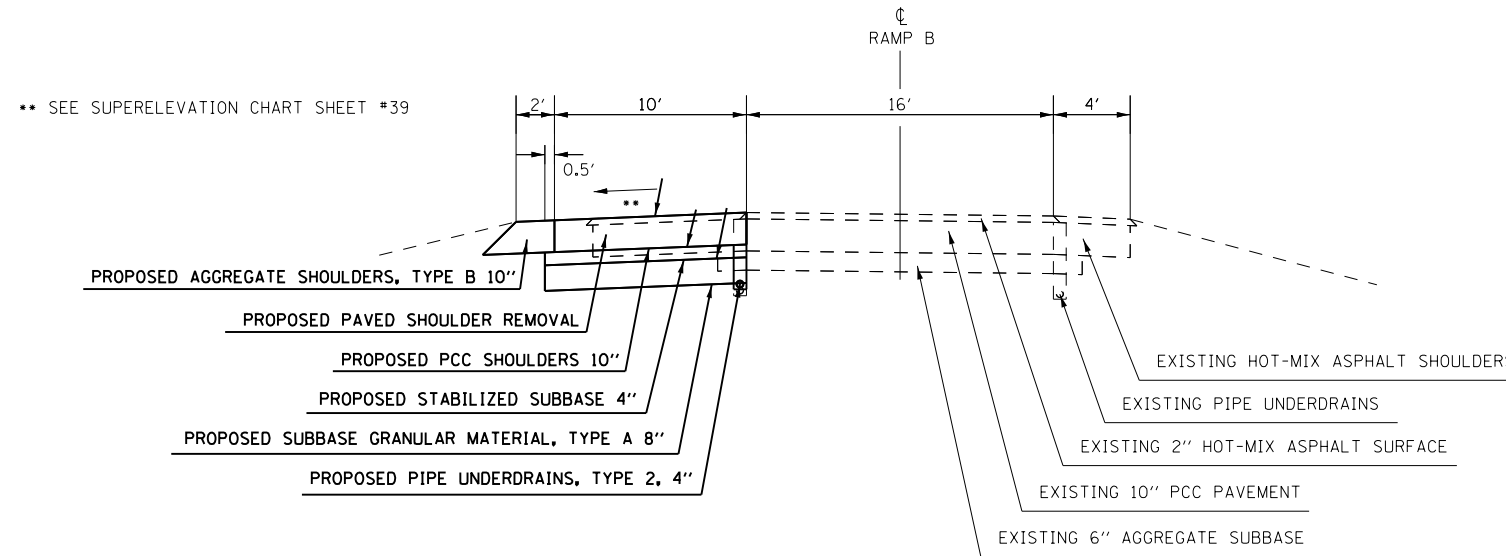
TYPICAL SECTION		PCC RAMP B	
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	12
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION #4

## EXIT RAMP RAMP B SHOULDER

JEFFERSON COUNTY  
SOUTHBOUND EXIT RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATIONING)



TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP B SOUTHBOUND EXIT  
STATION 2+54.00 TO STATION 8+50.00

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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	PLOT DATE = 2/6/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

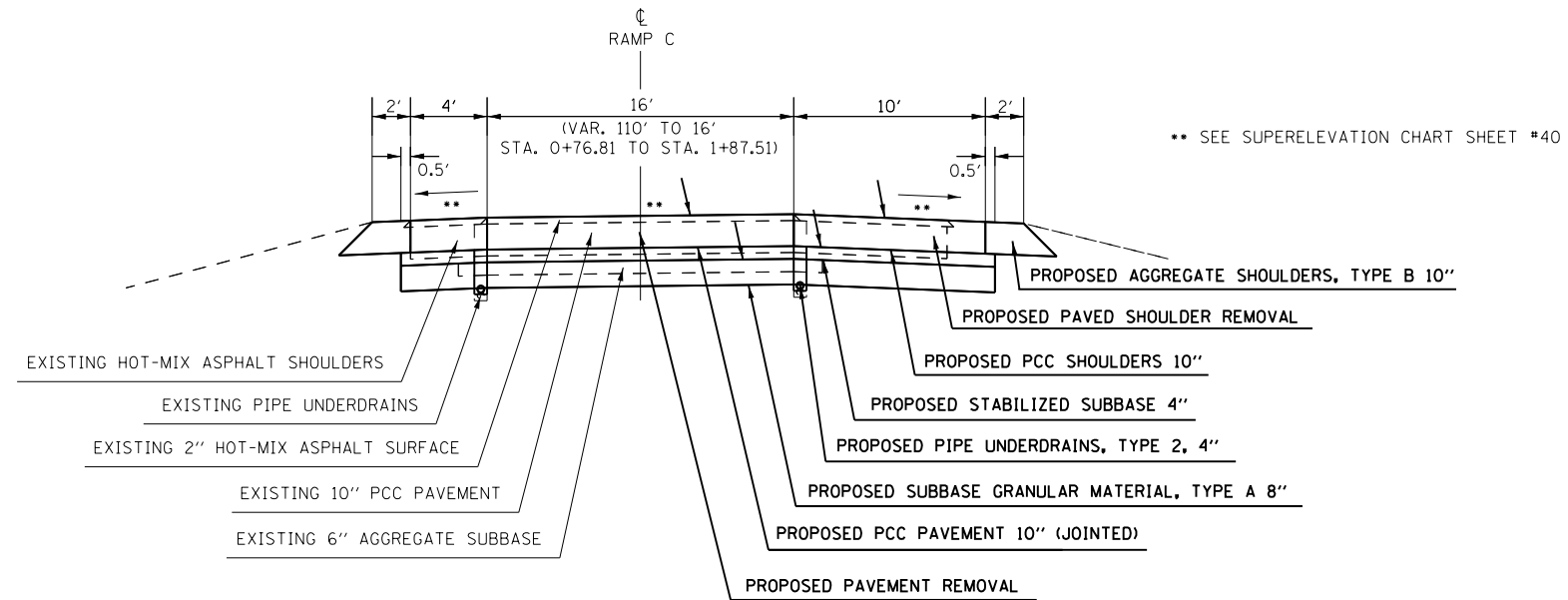
<b>TYPICAL SECTION PCC RAMP B SHOULDER</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	13
<b>CONTRACT NO. 78532</b>				
ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION #5

## ENTRANCE RAMP RAMP C

JEFFERSON COUNTY  
NORTHBOUND ENTRANCE RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATION)



TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP C NORTHBOUND ENTRANCE  
STATION 0+76.81 TO STATION 7+20.00

EQUATION STATION LIMITS:  
STA 1+69.91 BK RAMP C = 1+70.94 AH RAMP C

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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	PLOT DATE = 2/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION  
PCC RAMP C**

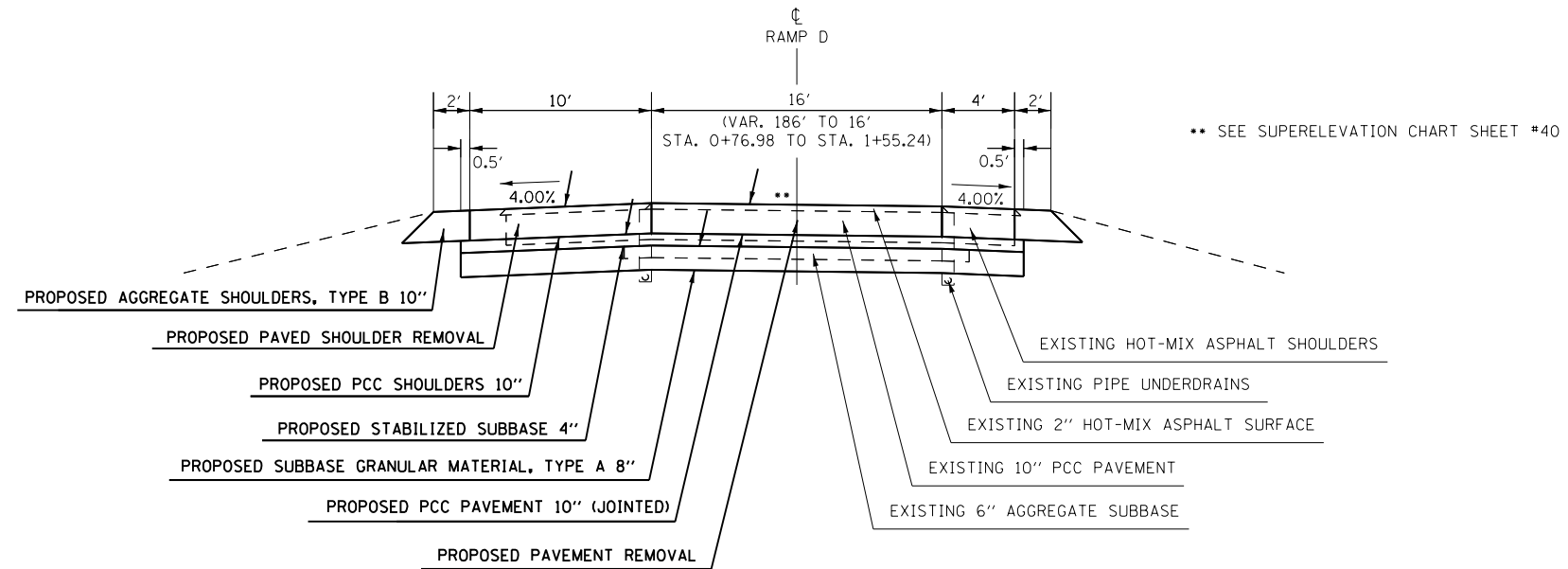
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	14
<b>CONTRACT NO. 78532</b>				
ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION #6

## EXIT RAMP RAMP D

JEFFERSON COUNTY  
NORTHBOUND EXIT RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATIONING)



TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP D NORTHBOUND EXIT  
STATION 0+76.98 TO STATION 2+20.00

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78532\Drawings\CADsheets\78532-shrb-typ_sch.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

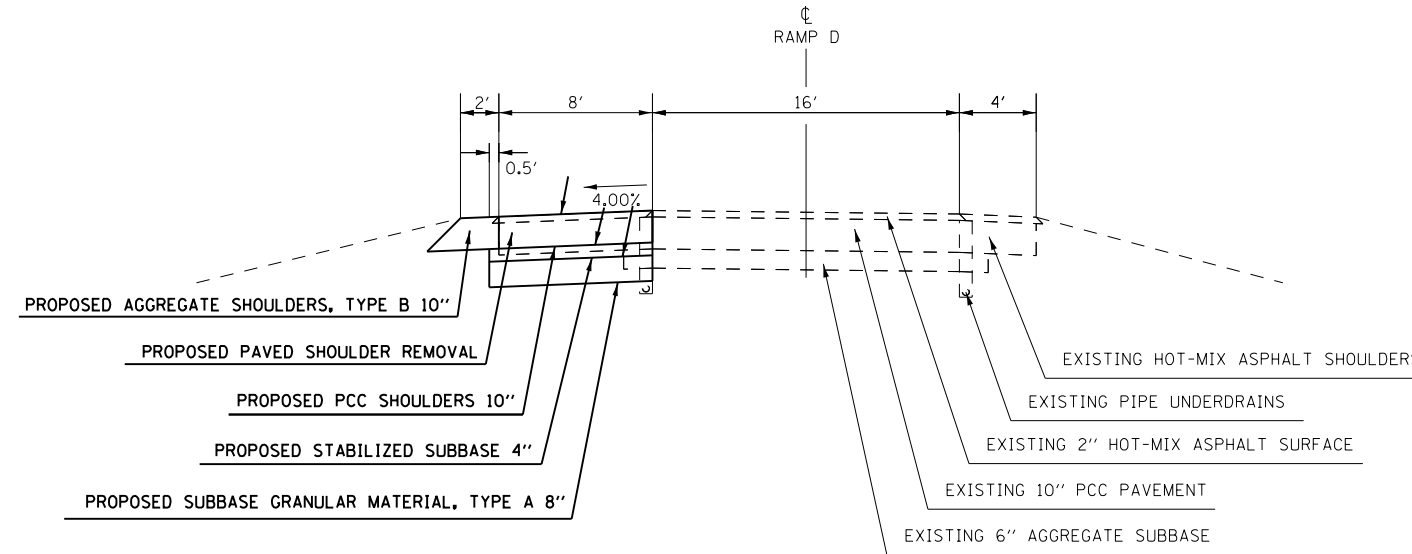
TYPICAL SECTION		PCC RAMP D	
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	15
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

# TYPICAL SECTION #7

## EXIT RAMP RAMP D SHOULDER

JEFFERSON COUNTY  
NORTHBOUND EXIT RAMP  
F.A.I. ROUTE 57  
(LOOKING IN DIRECTION OF INCREASING STATIONING)



TO BE USED:  
INA INTERCHANGE RAMPS  
RAMP D NORTHBOUND EXIT  
STATION 4+00.00 TO STATION 5+00.00

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78532\Drawings\CAD\Sheets\78532-shrb-typ_sch.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTION PCC RAMP D SHOULDER</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

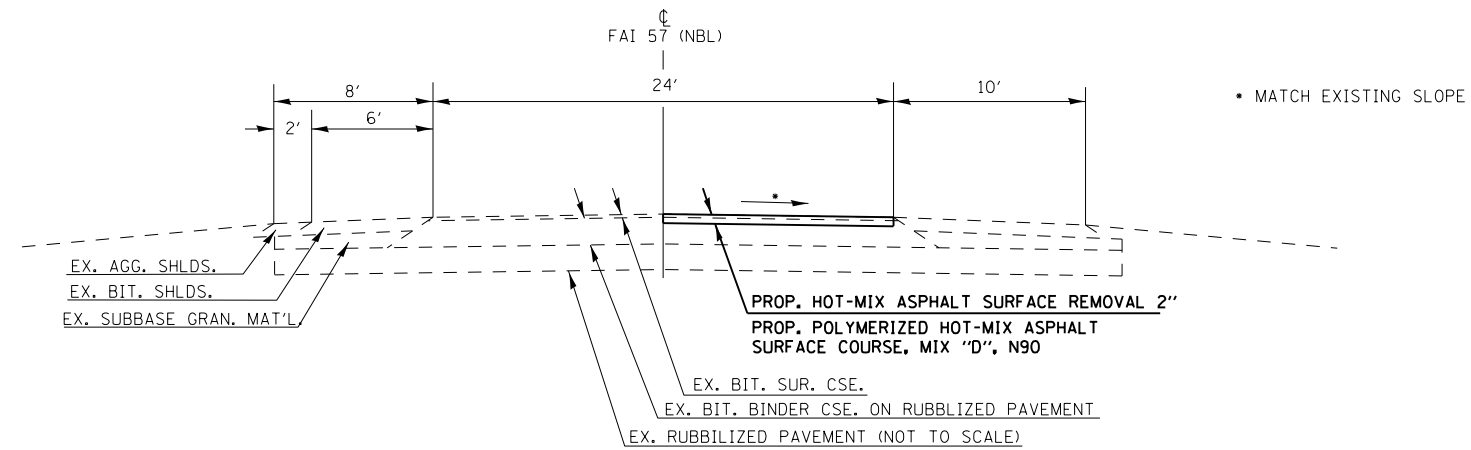
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	16
<b>CONTRACT NO. 78532</b>				
ILLINOIS FED. AID PROJECT				



# TYPICAL SECTION #8

## MAINLINE

JEFFERSON COUNTY  
 MAINLINE  
 F.A.I. ROUTE 57  
 (LOOKING IN DIRECTION OF INCREASING STATIONING)



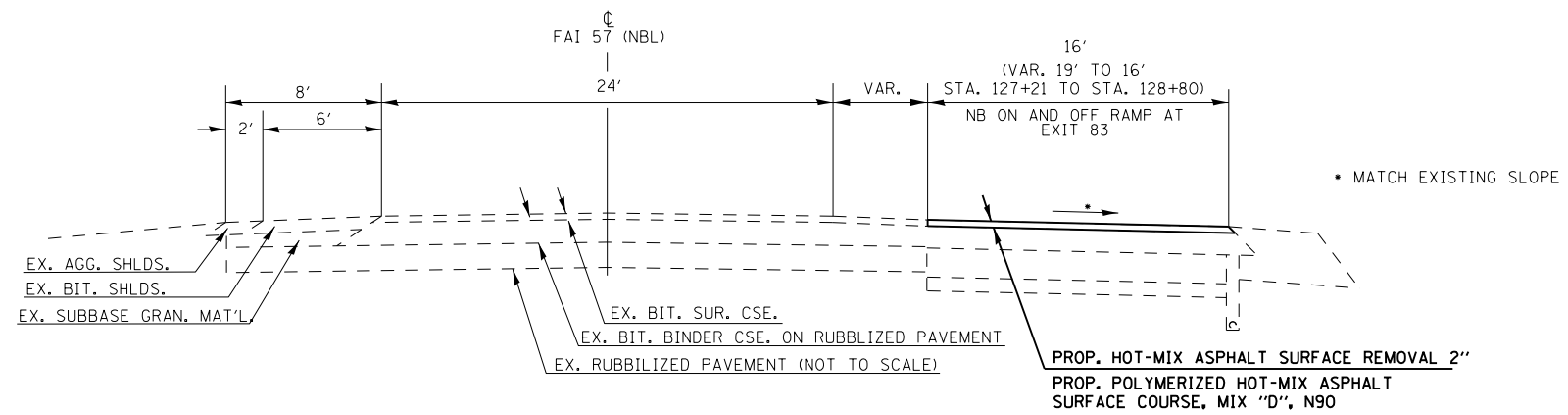
TO BE USED:  
 I-57 MAINLINE  
 131+40 TO 141+80

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION HMA I-57 MAINLINE</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78532\Drawings\CAD\Sheets\78532-shb-tp.sch.dwg	DRAWN =	CHECKED -	REVISED -					I-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	17
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78532				
	PLOT DATE = 2/6/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

# TYPICAL SECTION #9

## MAINLINE & ENTRANCE RAMP

JEFFERSON COUNTY  
 NORTHBOUND ENTRANCE RAMP AND MAINLINE  
 F.A.I. ROUTE 57  
 (LOOKING IN DIRECTION OF INCREASING STATIONING)



TO BE USED:  
 I-57 MAINLINE AND INA INTERCHANGE RAMP C  
 104+35 TO 108+15 I-57 (RAMP D)  
 7+20 TO 11+61 RAMP C  
 126+90 TO 128+80 I-57

EQUATION STATION LIMITS:  
 STA 11+61 BK RAMP C = 126+90 AH I-57

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION HMA I-57 MAINLINE AND RAMP C</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78532\Drawings\CAD\Sheets\78532-shrb-tp-sch-tp-elements.dgn	DRAWN	CHECKED -	REVISED -			I-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	18
Default	PLOT DATE = 2/6/2017	DATE -	REVISED -			CONTRACT NO. 78532				
				SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

# EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
<b>RAMP A</b>				
STA 1+13.08 TO STA 6+89.00	358	269	143	126
<b>RAMP B</b>				
STA 1+13.98 TO STA 8+50.00	416	312	222	90
<b>RAMP C</b>				
STA 0+76.81 TO STA 7+20.00	549	412	169	243
<b>RAMP D</b>				
STA 0+76.98 TO STA 2+20.00	230	173	161	12
STA 4+00.00 TO STA 5+00.00	67	51	0	51
<b>TOTALS</b>				
	<b>1620</b>	<b>1217</b>	<b>695</b>	<b>522</b>

25% SHRINKAGE FACTOR FOR EARTH EXCAVATION  
FOR INFORMATION ONLY. SEE SPECIAL PROVISIONS.

# REMOVAL SCHEDULE

LOCATION STATION TO STATION	LENGTH	PAVEMENT AND SHOULDER WIDTH	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL
	FOOT	FOOT	SQ YD	SQ YD
<b>RAMP A</b>				
STA 1+13.08 TO STA 2+21.51	108	VARIES TO 16	408	
STA 2+21.51 TO STA 4+64.00	242	16	432	
STA 1+13.08 TO STA 6+89.00 RT	651	8		579
STA 1+13.08 TO STA 4+64.00 LT	399	4		178
<b>RAMP B</b>				
STA 1+13.98 TO STA 1+99.12	85	VARIES TO 16	487	
STA 1+99.12 TO STA 2+54.00	55	16	98	
STA 1+13.98 TO STA 2+54.00 RT	172	4		77
STA 1+13.98 TO STA 8+50.00 LT	810	8		720
<b>RAMP C</b>				
STA 0+76.81 TO STA 1+69.91	93	VARIES	388	
<i>EQUATION: 1+69.91 BK TO 1+70.94 AH</i>				
STA 1+70.94 TO STA 1+87.51	17	VARIES TO 16	31	
STA 1+87.51 TO STA 7+20.00	532	16	947	
STA 0+76.81 TO STA 7+20.00 RT	752	8		669
STA 0+76.81 TO STA 7+20.00 LT	690	4		307
<b>RAMP D</b>				
STA 0+76.98 TO STA 1+55.24	78	VARIES TO 16	452	
STA 1+55.24 TO STA 2+20.00	65	16	116	
STA 0+76.98 TO STA 2+20.00 RT	175	4		78
STA 0+76.98 TO STA 2+20.00 LT	254	8		226
STA 4+00.00 TO STA 5+00.00 LT	100	8		89
<b>TOTALS</b>			<b>3359</b>	<b>2923</b>

# DELINEATOR SCHEDULE

LOCATION STATION TO STATION	YELLOW	WHITE	REMOVAL
	EACH	EACH	EACH
<b>RAMP A</b>			
STA 1+13.08 TO STA 10+25.00	10	11	8
<b>RAMP B</b>			
STA 1+13.98 TO STA 10+25.00	12	12	10
<b>RAMP C</b>			
STA 0+76.81 TO STA 10+25.00	10	11	12
<b>RAMP D</b>			
STA 0+76.98 TO STA 10+25.00	10	11	18
<b>SUBTOTAL</b>		42	45
<b>TOTALS</b>		<b>87</b>	<b>48</b>

# PAVEMENT SCHEDULE

LOCATION STATION TO STATION	LENGTH	PAVEMENT WIDTH	PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)	STABILIZED SUBBASE 4"	SUBBASE GRANULAR MATERIAL, TYPE A 8"
	FOOT	FOOT	SQ YD	SQ YD	SQ YD
<b>RAMP A</b>					
STA 1+13.08 TO STA 2+21.51	108	VARIES TO 16	408	408	408
STA 2+21.51 TO 4+64.00	243	16	432	432	432
<b>RAMP B</b>					
STA 1+13.98 TO STA 1+99.12	85	VARIES TO 16	487	487	487
STA 1+99.12 TO STA 2+54.00	55	16	98	98	98
<b>RAMP C</b>					
STA 0+76.81 TO STA 1+69.91	93	VARIES	388	388	388
<i>EQUATION: 1+69.91 BK = 1+70.94 AH</i>					
STA 1+70.94 TO STA 1+87.51	17	VARIES TO 16	31	31	31
STA 1+87.51 TO STA 7+20.00	532	16	947	947	947
<b>RAMP D</b>					
STA 0+76.98 TO STA 1+55.24	78	VARIES TO 16	452	452	452
STA 1+55.24 TO STA 2+20.00	65	16	116	116	116
<b>TOTALS</b>					
			<b>3359</b>	<b>3359</b>	<b>3359</b>

# SHOULDER SCHEDULE

LOCATION STATION TO STATION	LENGTH	SHOULDER WIDTH	SUBBASE WIDTH	AGGREGATE SHOULDER WIDTH	PORTLAND CEMENT CONCRETE SHOULDERS, 10"	STABILIZED SUBBASE 4"	SUBBASE GRANULAR MATERIAL, TYPE A 8"	AGGREGATE SHOULDERS, TYPE B 10"
	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD
<b>RAMP A</b>								
STA 1+13.08 TO STA 6+89.00 RT	651	10	10.5	2	724	760	760	145
STA 1+13.08 TO STA 4+64.00 LT	399	4	4.5	2	178	200	200	89
<b>RAMP B</b>								
STA 1+13.98 TO STA 2+54.00 RT	172	4	4.5	2	77	86	86	39
STA 1+13.98 TO STA 8+50.00 LT	810	10	10.5	2	900	945	945	180
<b>RAMP C</b>								
STA 0+76.81 TO STA 7+20.00 RT	752	10	10.5	2	836	878	878	168
STA 0+76.81 TO STA 7+20.00 LT	690	4	4.5	2	307	345	345	154
<i>EQUATION: 1+69.91 BK = 1+70.94 AH</i>								
<b>RAMP D</b>								
STA 0+76.98 TO STA 2+20.00 RT	175	4	4.5	2	78	88	88	39
STA 0+76.98 TO STA 2+20.00 LT	254	10	10.5	2	283	297	297	57
STA 4+00.00 TO STA 5+00.00 LT	100	8	8.5	2	89	95	95	23
<b>TOTALS</b>					<b>3472</b>	<b>3694</b>	<b>3694</b>	<b>894</b>

# HOT-MIX ASPHALT SCHEDULE

LOCATION STATION TO STATION	LENGTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	TEMPORARY RAMP	REMARKS
	FOOT	SQ YD	TON	POUND	SQ YD	
<b>I-57</b>						
104+35. TO 108+15.	380	676	76	304	24	RAMP D, NB EXIT RAMP, EXIT 83, I-57 STATIONING
7+20. TO 11+61.	441	784	88	353	12	RAMP C, NB ENTRANCE RAMP STATIONING, EXIT 83
126+90. TO 127+21.	31	55	6	25	93	
127+21. TO 128+80.	159	309	35	139	12	
131+40. TO 141+80.	1040	1387	155	624	18	
<b>TOTALS</b>		<b>3211</b>	<b>360</b>	<b>1445</b>	<b>159</b>	

# PATCHING SCHEDULE

STATION (CENTER OF PATCH)	SIZE	CLASS B PATCHES TYPE II, 12 INCH	SAW CUTS	DOWEL BARS 1 1/2"
	FOOT	SQ YD	FOOT	EACH
<b>RAMP A</b>				
5+04.00      1-A	8 X 16	14	64	28
<b>RAMP B</b>				
3+06.00      1-B	8 X 16	14	64	28
3+38.00      2-B	8 X 16	14	64	28
4+07.00      3-B	8 X 16	14	64	28
5+07.00      4-B	8 X 16	14	64	28
6+07.00      5-B	8 X 16	14	64	28
<b>TOTALS</b>		<b>84</b>	<b>384</b>	<b>168</b>

# PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	LENGTH	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID						GROOVING FOR RECESSED PAVEMENT MARKING				REMARKS	
		LINE 4"		LINE 6" SKIP DASH WHITE	LINE 8" SOLID WHITE	LINE 12" SOLID WHITE	LINE 24" SOLID WHITE	LETTERS AND SYMBOLS	5"	13"	25"		LETTERS, NUMBERS, AND SYMBOLS
		WHITE FOOT	YELLOW FOOT										
<b>RAMP A</b>													
STA 1+13.08 TO STA 4+64.00 RT	396	396							396				RIGHT EDGE OF PAVEMENT
STA 1+13.08 TO STA 4+64.00 LT	364		364						364				LEFT EDGE OF PAVEMENT
<b>RAMP B</b>													
STA 1+13.98 TO STA 2+54.00 RT	172		172						172				RIGHT EDGE OF PAVEMENT
STA 1+13.98 TO STA 2+54.00 LT	212	212							212				LEFT EDGE OF PAVEMENT
PAINTED ISLAND		90			50				90	50			PAINTED ISLAND
STA 1+30.00						45					45		STOP BAR RIGHT OF PAINTED ISLAND
STA 1+25.00						18					18		STOP BAR LEFT OF PAINTED ISLAND
STA 1+45.00							15.6					47.6	RIGHT ARROW
STA 1+45.00							26					87.6	2 ARROW COMBINATION, LEFT AND THROUGH
<b>RAMP C</b>													
STA 0+76.81 TO STA 7+20.00 RT	689	689							689				RIGHT EDGE OF PAVEMENT
STA 0+76.81 TO STA 7+20.00 LT	656		656						656				LEFT EDGE OF PAVEMENT
7+20. LT TO 10+10. LT	290		290										8' LT OF RAMP CENTERLINE
7+20. RT TO 11+61. RT	441	441											FAR RIGHT EDGE LINE
10+10. LT TO 11+41. LT	131				131								
11+41. LT TO 11+61. LT	20				10								12' RT OF NB CENTERLINE
<b>RAMP D</b>													
STA 0+76.98 TO STA 2+20.00 RT	175		175						175				RIGHT EDGE OF PAVEMENT
STA 0+76.98 TO STA 2+20.00 LT	254	254							254				LEFT EDGE OF PAVEMENT
PAINTED ISLAND		85			45				85	45			PAINTED ISLAND
STA 1+00.00						18					18		STOP BAR RIGHT OF PAINTED ISLAND
STA 0+90.00						37					37		STOP BAR LEFT OF PAINTED ISLAND
STA 1+15.00							15.6					47.6	LEFT ARROW
STA 1+15.00							26					87.6	2 ARROW COMBINATION, RIGHT AND THROUGH
<b>I-57</b>													
104+35. TO 108+15.	380	380			380								
126+90. RT TO 127+21. RT	31				10								12' RT OF NB CENTERLINE
126+90. RT TO 128+80. RT	190	190											FAR RIGHT EDGE LINE
127+21. RT TO 128+80. RT	159				40								12' RT OF NB CENTERLINE
131+40. TO 141+80.	1040	510			260								
<b>SUB-TOTALS</b>		<b>3247</b>	<b>1657</b>										
<b>TOTALS</b>		<b>4904</b>		<b>320</b>	<b>511</b>	<b>95</b>	<b>118</b>	<b>83.2</b>	<b>3093</b>	<b>95</b>	<b>118</b>	<b>270.4</b>	



# DOWEL BARS AND TIE BARS FOR PAYMENT SCHEDULE

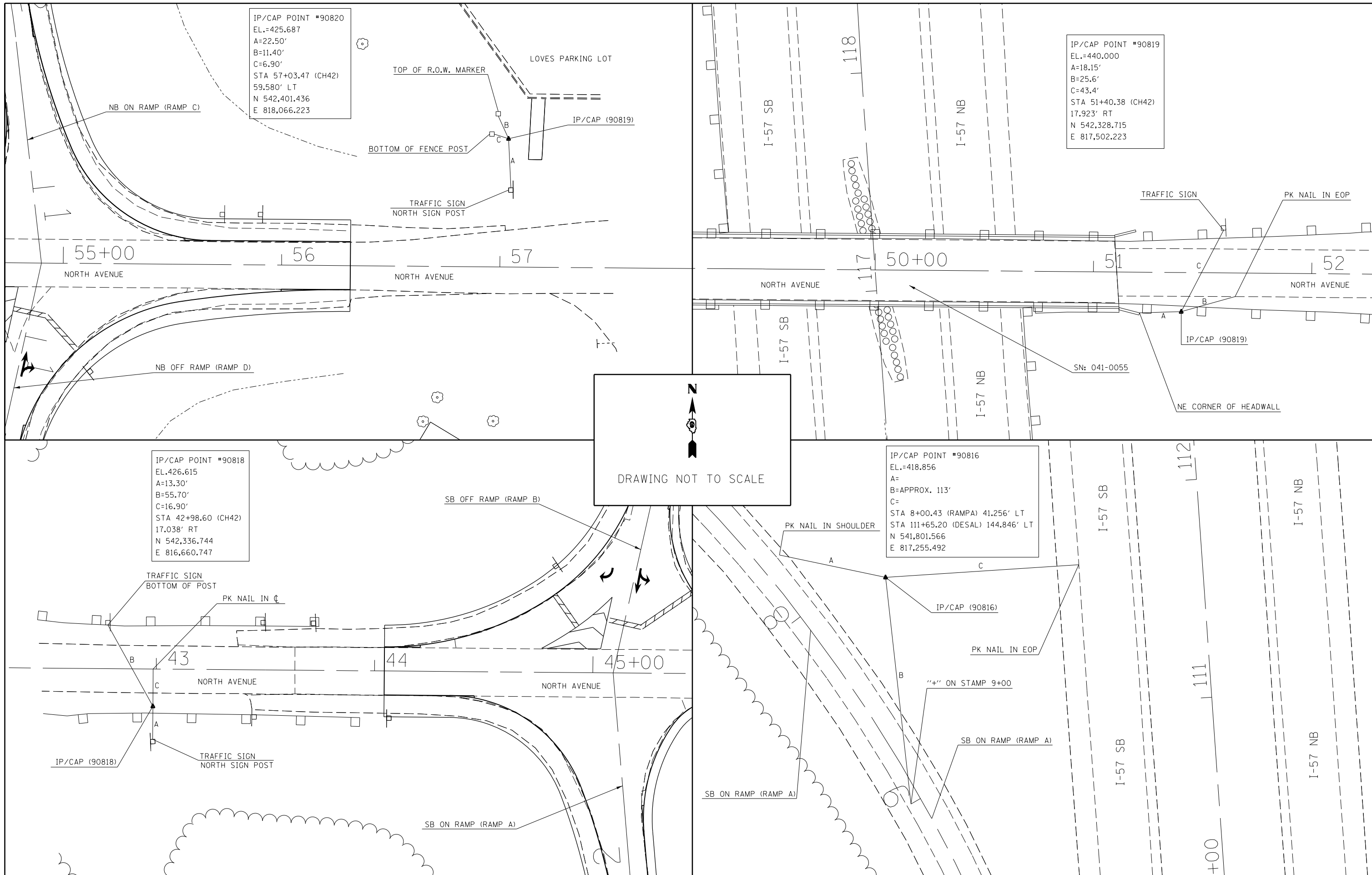
LOCATION STATION TO STATION	LENGTH	PAVEMENT WIDTH	DOWEL BARS 1 1/2"	TIE BARS 3/4"	REMARKS
	FOOT	FOOT	EACH	EACH	
<b>RAMP A</b>					
STA 1+13.08		108	108		TIE NEW PAVEMENT TO EXISTING CROSSROAD
STA 4+64.00		16	16		TIE NEW PAVEMENT TO EXISTING PAVEMENT ON RAMP
STA 4+64.00 TO STA 6+89.00	225			113	TIE NEW SHOULDER TO EXISTING PAVEMENT
<b>RAMP B</b>					
STA 1+13.98		165	165		TIE NEW PAVEMENT TO EXISTING CROSSROAD
STA 2+54.00		16	16		TIE NEW PAVEMENT TO EXISTING PAVEMENT ON RAMP
STA 2+54.00 TO STA 8+50.00	596			298	TIE NEW SHOULDER TO EXISTING PAVEMENT
<b>RAMP C</b>					
STA 0+76.81		110	110		TIE NEW PAVEMENT TO EXISTING CROSSROAD
<i>EQUATION: 1+69.91 BK = 1+70.94 AH</i>					
STA 7+20.00		16	16		TIE NEW PAVEMENT TO EXISTING PAVEMENT ON RAMP
<b>RAMP D</b>					
STA 0+76.98		186	186		TIE NEW PAVEMENT TO EXISTING CROSSROAD
STA 2+20.00		16	16		TIE NEW PAVEMENT TO EXISTING PAVEMENT ON RAMP
STA 4+00.00 TO STA 5+00.00	100			50	TIE NEW SHOULDER TO EXISTING PAVEMENT
<b>TOTALS</b>					
			<b>633</b>	<b>461</b>	

# PIPE UNDERDRAIN SCHEDULE

LOCATION	LEFT	RIGHT	PIPE UNDERDRAINS, TYPE 2, 4"	PIPE UNDERDRAINS, 4" SPECIAL	CONCRETE HEADWALLS FOR PIPE DRAINS
	FOOT	FOOT	FOOT	FOOT	EACH
<b>RAMP A</b>					
STA 2+21.51 TO STA 6+89.00 RT		468	468		
6+89.00		15		15	1
<b>RAMP B</b>					
STA 1+99.12 TO STA 8+50.00 LT	651		651		
5+25.00	15			15	1
8+50.00	15			15	1
<b>RAMP C</b>					
STA 1+39.81 TO STA 1+69.91 LT	30		30		
<i>EQUATION: 1+69.91 BK = 1+70.94 AH</i>					
STA 1+70.94 TO STA 7+20.00 LT	549		549		
STA 1+87.51 TO STA 7+20.00 RT		533	533		
4+25.00	11	15		26	2
7+20.00	11	13		24	2
<b>TOTALS</b>					
			<b>2231</b>	<b>95</b>	<b>7</b>

# SEEDING AND EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION	SEEDING, CLASS 1B	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	TEMP. EROSION CONTROL SEEDING	REMARKS
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	POUND	
<b>RAMP A</b>									
STA 1+13.08 TO STA 4+64.00	0.10	0.10	16	12	12	0.20	0.20	10	LEFT
STA 1+13.08 TO STA 6+89.00	0.40	0.40	64	48	48	0.80	0.80	40	RIGHT
<b>RAMP B</b>									
STA 1+13.98 TO STA 8+50.00	0.50	0.50	80	60	60	1.00	1.00	50	LEFT
STA 1+13.98 TO STA 2+54.00	0.05	0.05	8	6	6	0.10	0.10	5	RIGHT
<b>RAMP C</b>									
STA 0+76.81 TO STA 7+20.00	0.30	0.30	48	36	36	0.60	0.60	30	LEFT
STA 0+76.81 TO STA 7+20.00	0.40	0.40	64	48	48	0.80	0.80	40	RIGHT
<b>RAMP D</b>									
STA 0+76.98 TO STA 2+20.00	0.20	0.20	32	24	24	0.40	0.40	20	LEFT
STA 0+76.98 TO STA 2+20.00	0.05	0.05	8	6	6	0.10	0.10	5	RIGHT
<b>TOTALS</b>									
	<b>2</b>	<b>2</b>	<b>320</b>	<b>240</b>	<b>240</b>	<b>4</b>	<b>4</b>	<b>200</b>	




IP/CAP POINT #90820  
 EL.=425.687  
 A=22.50'  
 B=11.40'  
 C=6.90'  
 STA 57+03.47 (CH42)  
 59,580' LT  
 N 542,401.436  
 E 818,066.223

IP/CAP POINT #90819  
 EL.=440.000  
 A=18.15'  
 B=25.6'  
 C=43.4'  
 STA 51+40.38 (CH42)  
 17,923' RT  
 N 542,328.715  
 E 817,502.223

IP/CAP POINT #90818  
 EL.426.615  
 A=13.30'  
 B=55.70'  
 C=16.90'  
 STA 42+98.60 (CH42)  
 17,038' RT  
 N 542,336.744  
 E 816,660.747

IP/CAP POINT #90816  
 EL.=418.856  
 A=  
 B=APPROX. 113'  
 C=  
 STA 8+00.43 (RAMP A) 41.256' LT  
 STA 111+65.20 (DESAL) 144.846' LT  
 N 541,801.566  
 E 817,255.492

  
 DRAWING NOT TO SCALE

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\78532\Drawings\CAD\Drawings\78532-shb-typ-sch.dwg		BY: [redacted]	BY: [redacted]
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	28
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

RAMPB	
EXIST. CURVE RAMPB1 PI STA. = 3+28.36 Δ = 23° 31' 26" (RT) D = 17° 15' 35" R = 331.96' T = 69.12' L = 136.29' E = 7.12' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 2+59.24 P.T. STA. = 3+95.53	EXIST. CURVE RAMPB2 PI STA. = 8+79.53 Δ = 28° 15' 28" (LT) D = 8° 11' 07" R = 699.99' T = 176.20' L = 345.23' E = 21.84' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 7+03.33 P.T. STA. = 10+48.56

NWQUADB	
PROP. CURVE NWQUADB1 PI STA. = 0+40.18 Δ = 43° 46' 42" (RT) D = 57° 17' 45" R = 100.00' T = 40.18' L = 76.41' E = 7.77' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 0+76.41	PROP. CURVE NWQUADB2 PI STA. = 1+17.74 Δ = 34° 02' 52" (RT) D = 42° 26' 29" R = 135.00' T = 41.34' L = 80.22' E = 6.19' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+76.41 P.T. STA. = 1+56.63

RAMP_C	
EXIST. CURVE CURVE1C PI STA. = 2+68.70 Δ = 33° 16' 44" (LT) D = 17° 30' 58" R = 327.10' T = 97.76' L = 189.99' E = 14.30' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 1+70.94 P.T. STA. = 3+60.93	EXIST. CURVE CURVE2C PI STA. = 9+08.54 Δ = 43° 53' 25" (RT) D = 8° 12' 35" R = 697.91' T = 281.20' L = 534.62' E = 54.52' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 6+27.34 P.T. STA. = 11+61.96

NWQUAD	
PROP. CURVE NWQUAD1 PI STA. = 0+17.37 Δ = 60° 07' 48" (LT) D = 190° 59' 09" R = 30.00' T = 17.37' L = 31.48' E = 4.66' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 0+31.48	PROP. CURVE NWQUAD2 PI STA. = 0+56.48 Δ = 36° 52' 12" (LT) D = 76° 23' 40" R = 75.00' T = 25.00' L = 48.26' E = 4.06' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+31.48 P.T. STA. = 0+79.75

DESAL
EXIST. CURVE I57 PI STA. = 131+59.37 Δ = 27° 24' 48" (RT) D = 1° 00' 00" R = 5,729.07' T = 1,397.30' L = 2,741.08' E = 167.94' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 117+62.07 P.T. STA. = 145+03.15

NEQUADB
PROP. CURVE NEQUADB1 PI STA. = 0+76.80 Δ = 102° 10' 26" (LT) D = 92° 24' 45" R = 62.00' T = 76.80' L = 110.56' E = 36.70' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 1+10.56

NEQUAD	
PROP. CURVE NEQUAD2 PI STA. = 1+17.03 Δ = 13° 36' 32" (RT) D = 19° 05' 55" R = 300.00' T = 35.80' L = 71.26' E = 2.13' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+81.23 P.T. STA. = 1+52.49	PROP. CURVE NEQUAD1 PI STA. = 0+45.88 Δ = 66° 29' 21" (RT) D = 81° 51' 04" R = 70.00' T = 45.88' L = 81.23' E = 13.70' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 0+81.23

SEQUADA	
PROP. CURVE SEQUADA1 PI STA. = 0+16.06 Δ = 56° 19' 17" (LT) D = 190° 59' 09" R = 30.00' T = 16.06' L = 29.49' E = 4.03' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 0+29.49	PROP. CURVE SEQUADA2 PI STA. = 0+56.01 Δ = 38° 56' 33" (LT) D = 76° 23' 40" R = 75.00' T = 26.52' L = 50.98' E = 4.55' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+29.49 P.T. STA. = 0+80.47

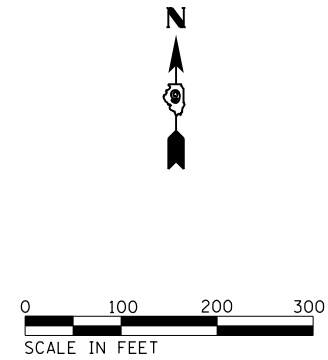
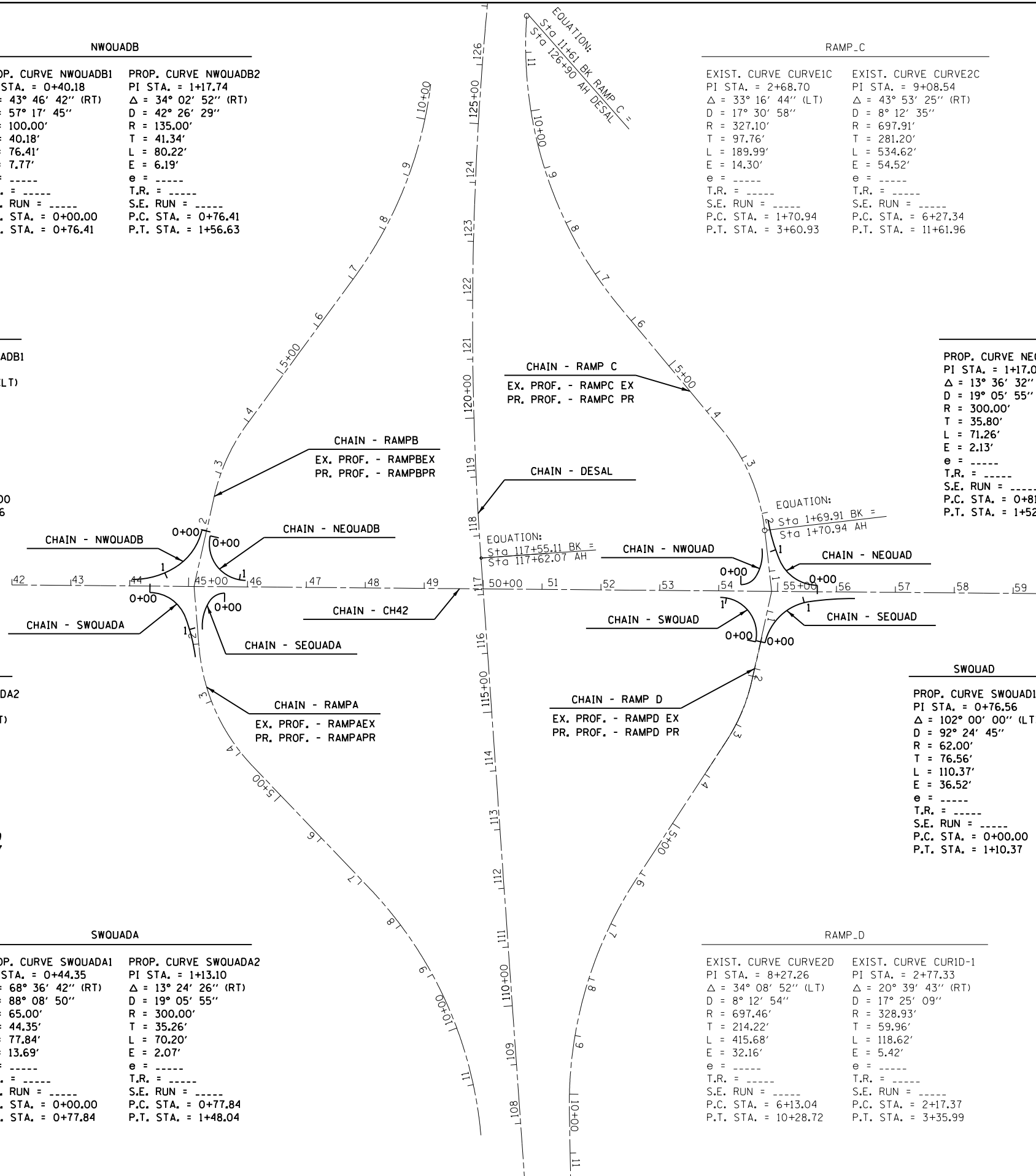
SWQUAD
PROP. CURVE SWQUAD1 PI STA. = 0+76.56 Δ = 102° 00' 00" (LT) D = 92° 24' 45" R = 62.00' T = 76.56' L = 110.37' E = 36.52' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 1+10.37

RAMPA	
EXIST. CURVE RAMPA1 PI STA. = 3+23.09 Δ = 38° 57' 10" (LT) D = 17° 16' 23" R = 331.71' T = 117.31' L = 225.51' E = 20.13' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 2+05.78 P.T. STA. = 4+31.29	EXIST. CURVE RAMPA2 PI STA. = 9+61.14 Δ = 38° 45' 05" (RT) D = 8° 14' 05" R = 695.78' T = 244.69' L = 470.58' E = 41.77' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 7+16.45 P.T. STA. = 11+87.03

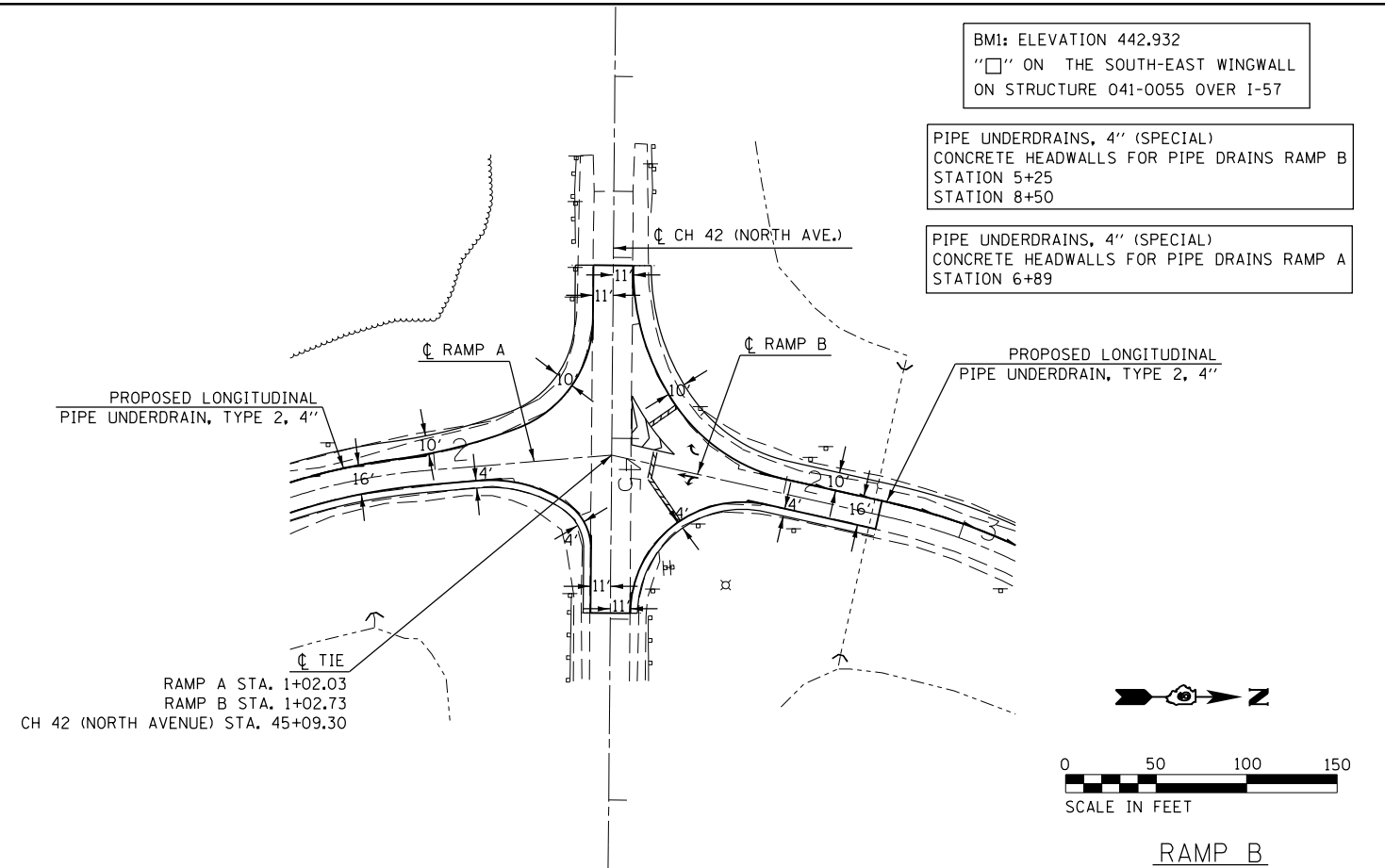
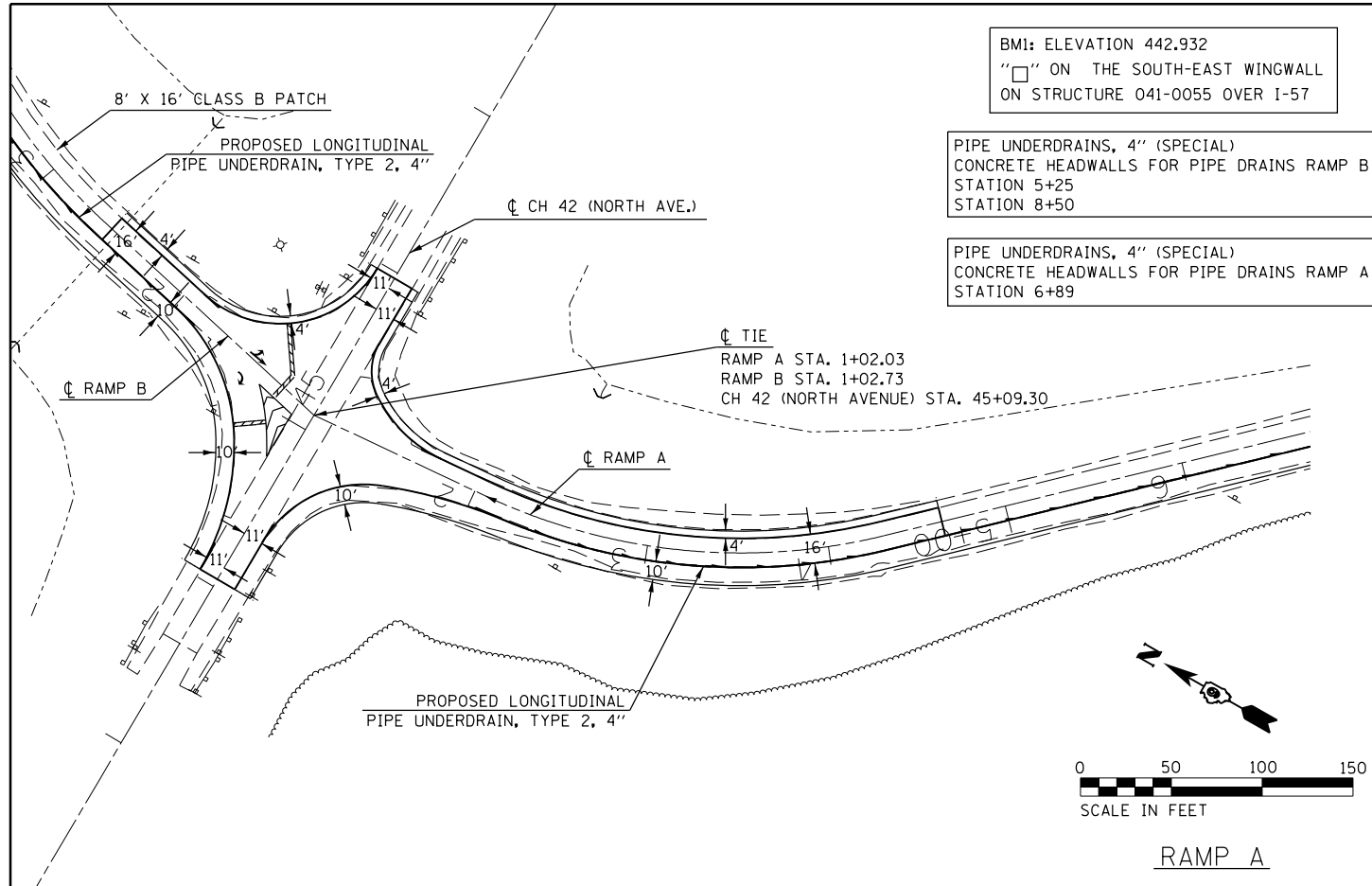
SWQUADA	
PROP. CURVE SWQUADA1 PI STA. = 0+44.35 Δ = 68° 36' 42" (RT) D = 88° 08' 50" R = 65.00' T = 44.35' L = 77.84' E = 13.69' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 0+77.84	PROP. CURVE SWQUADA2 PI STA. = 1+13.10 Δ = 13° 24' 26" (RT) D = 19° 05' 55" R = 300.00' T = 35.26' L = 70.20' E = 2.07' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+77.84 P.T. STA. = 1+48.04

RAMP_D	
EXIST. CURVE CURVE2D PI STA. = 8+27.26 Δ = 34° 08' 52" (LT) D = 8° 12' 54" R = 697.46' T = 214.22' L = 415.68' E = 32.16' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 6+13.04 P.T. STA. = 10+28.72	EXIST. CURVE CUR1D-1 PI STA. = 2+77.33 Δ = 20° 39' 43" (RT) D = 17° 25' 09" R = 328.93' T = 59.96' L = 118.62' E = 5.42' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 2+17.37 P.T. STA. = 3+35.99

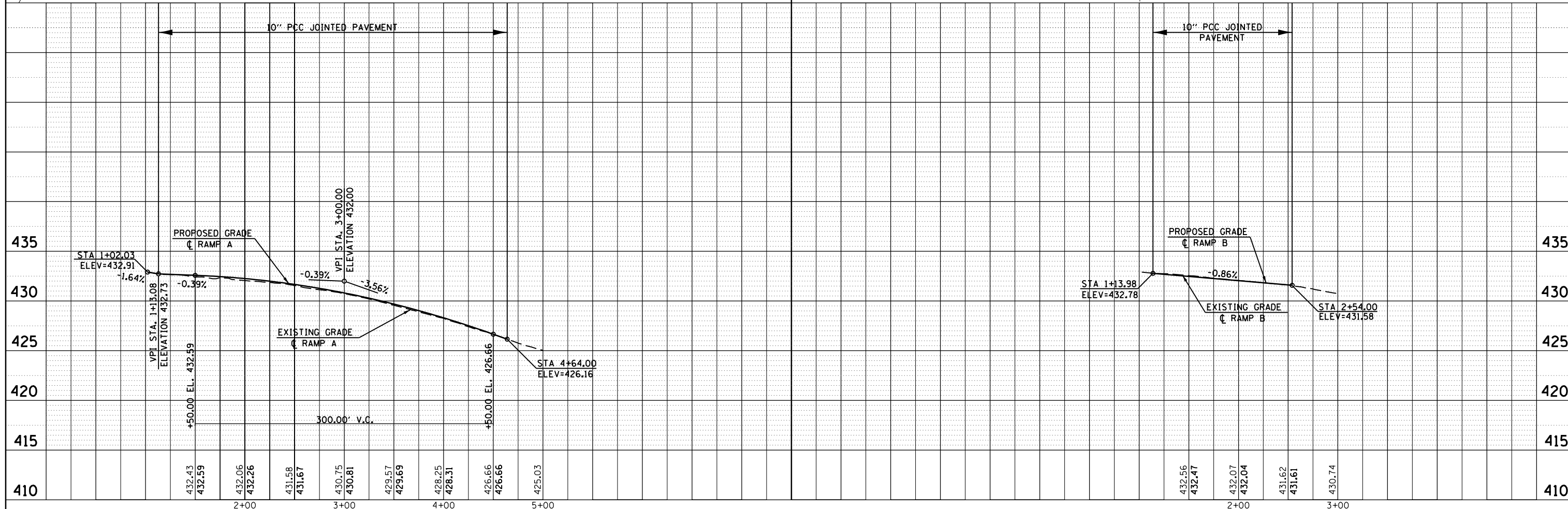
SEQUAD	
PROP. CURVE SEQUAD1 PI STA. = 0+61.90 Δ = 69° 02' 34" (RT) D = 63° 39' 43" R = 90.00' T = 61.90' L = 108.45' E = 19.23' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 0+00.00 P.T. STA. = 1+08.45	PROP. CURVE SEQUAD2 PI STA. = 1+47.62 Δ = 8° 57' 26" (RT) D = 11° 27' 33" R = 500.00' T = 39.16' L = 78.17' E = 1.53' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 1+08.45 P.T. STA. = 1+86.62



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



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
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Default	PLOT DATE = 2/6/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

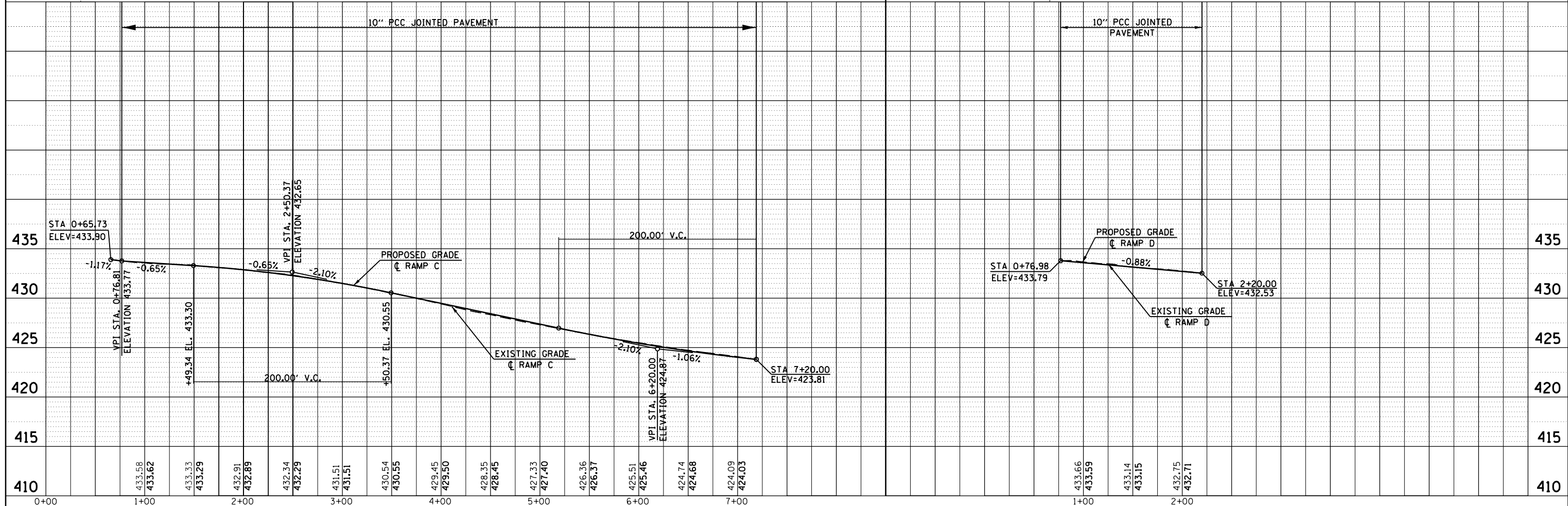
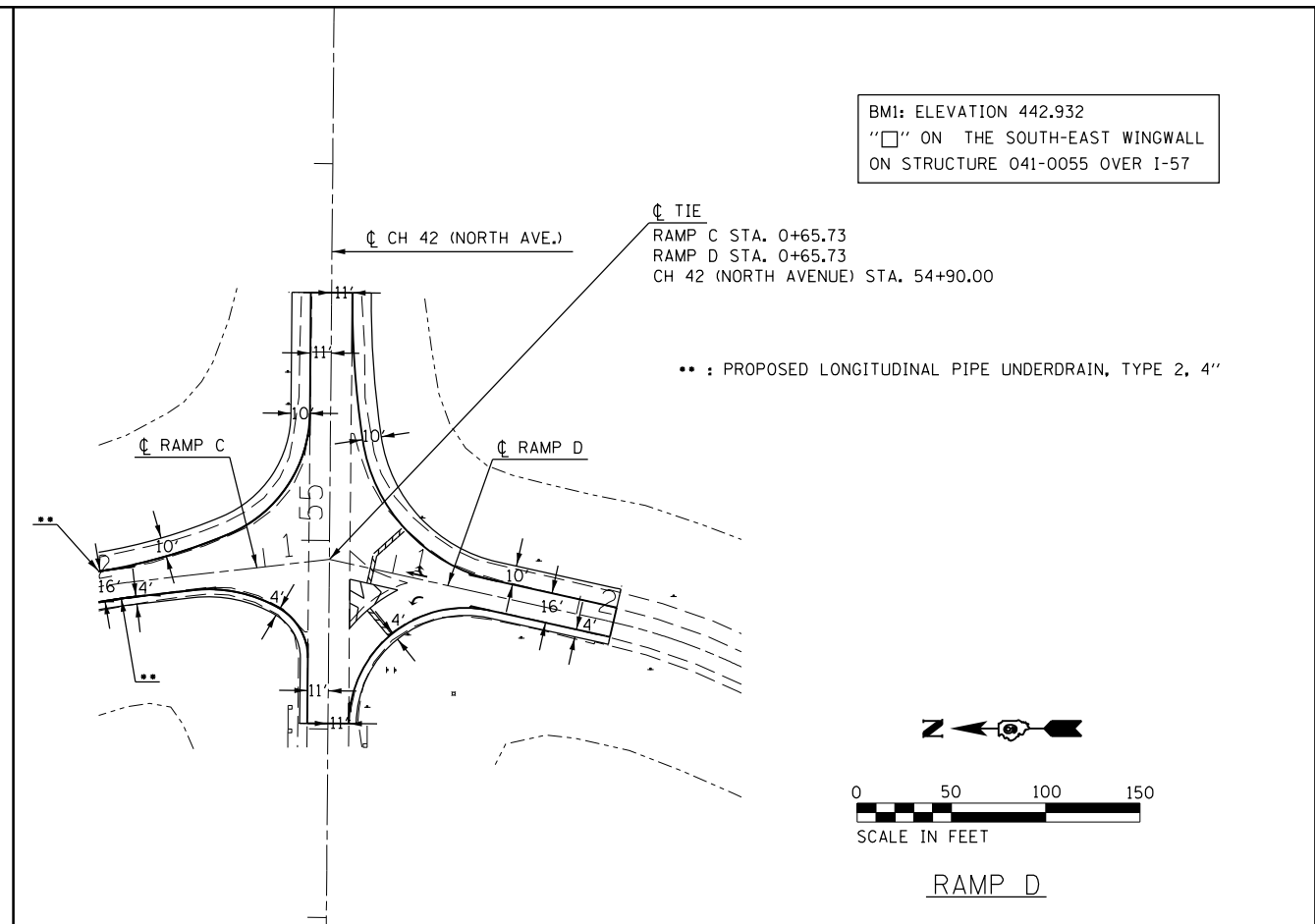
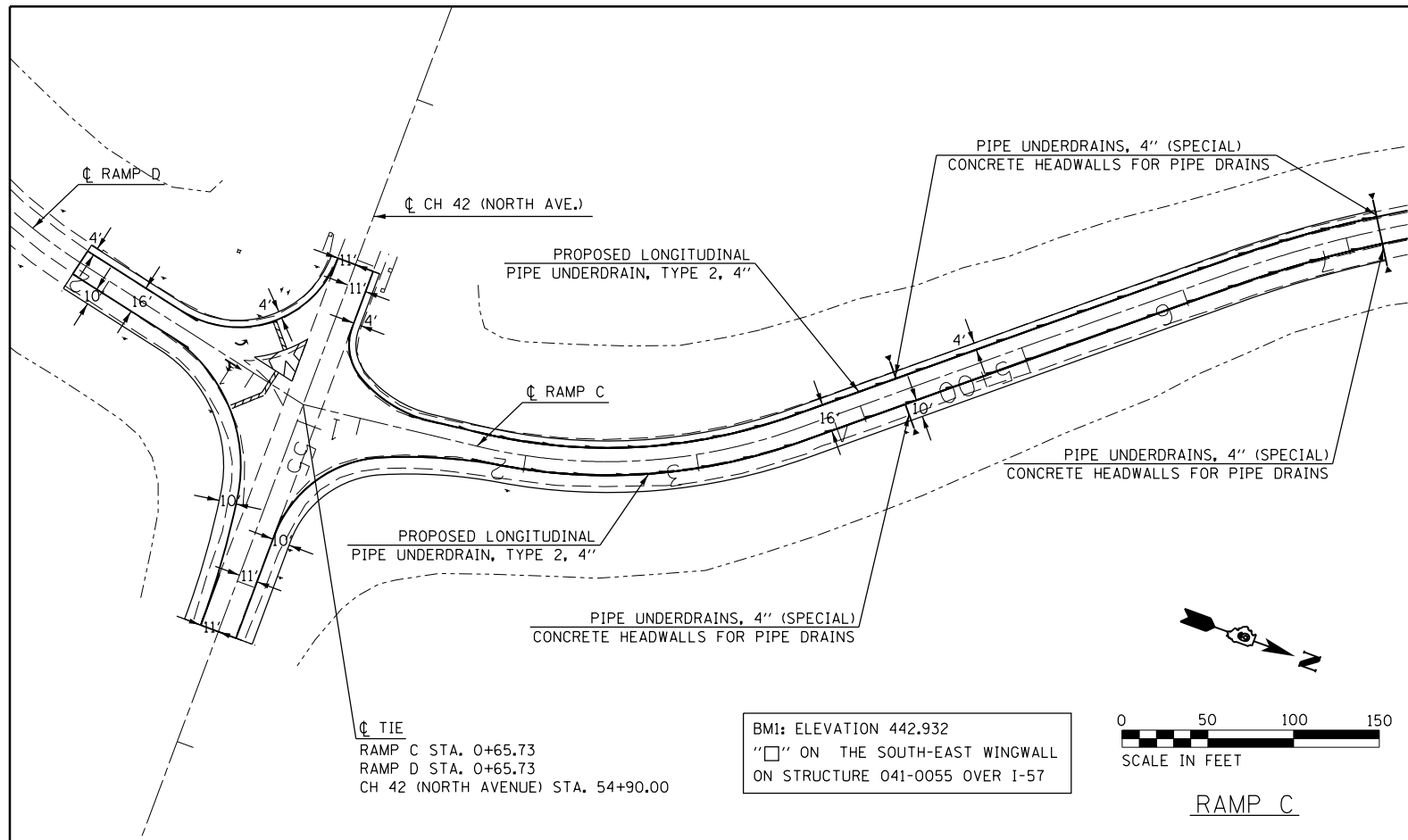
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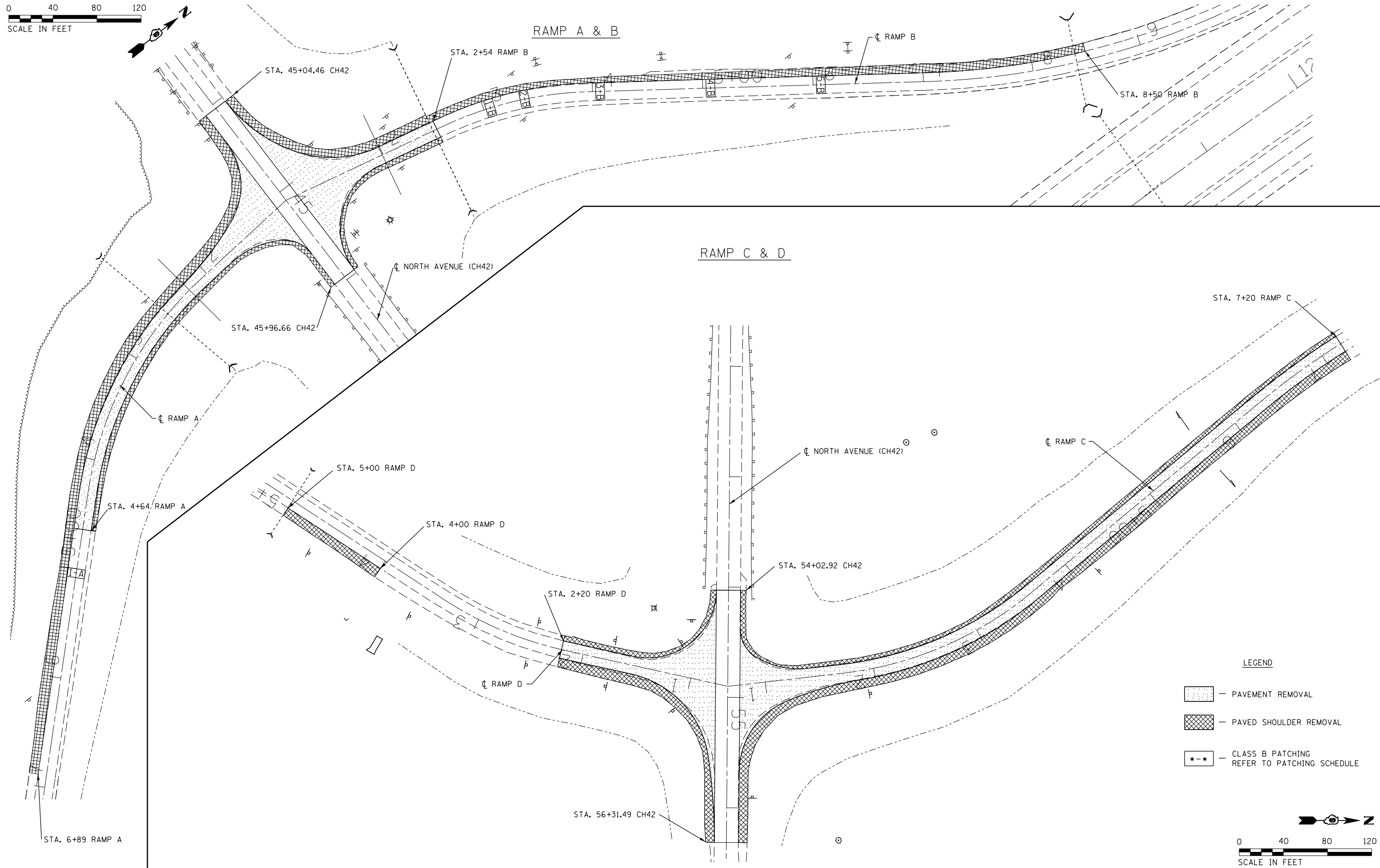
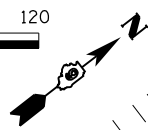
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


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I-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	30
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

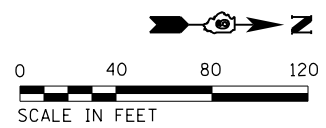
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	BY	

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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	BY	





- LEGEND**
-  - PAVEMENT REMOVAL
  -  - PAVED SHOULDER REMOVAL
  -  - CLASS B PATCHING REFER TO PATCHING SCHEDULE



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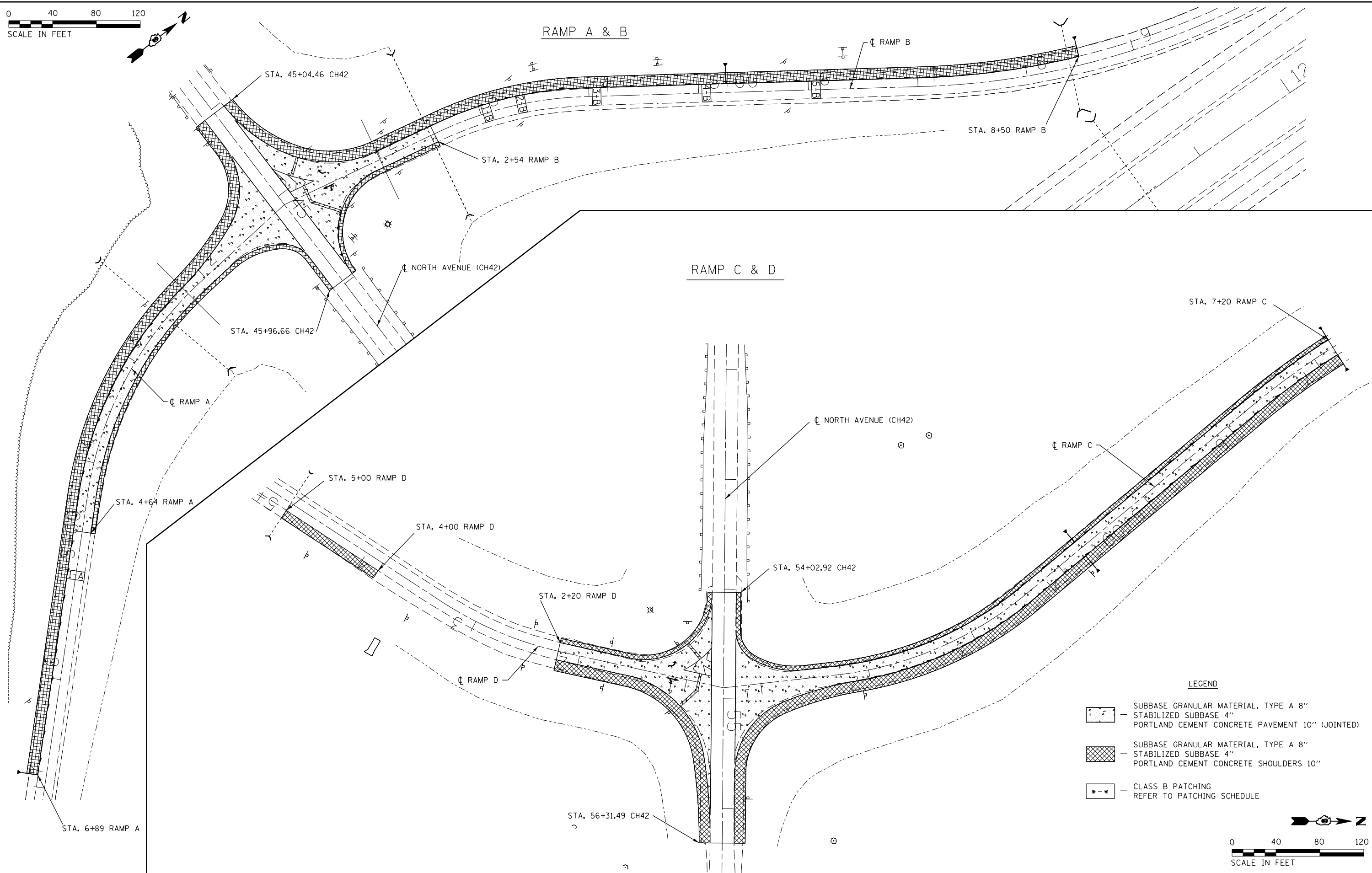
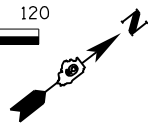
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAMP REMOVAL SHEET**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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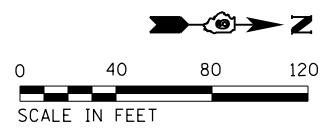
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1-57	09 PAVT REPLACEMENT 2017-1	JEFFERSON	112	32
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				





**LEGEND**

	SUBBASE GRANULAR MATERIAL, TYPE A 8"
	STABILIZED SUBBASE 4"
	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
	SUBBASE GRANULAR MATERIAL, TYPE A 8"
	STABILIZED SUBBASE 4"
	PORTLAND CEMENT CONCRETE SHOULDERS 10"
	CLASS B PATCHING REFER TO PATCHING SCHEDULE



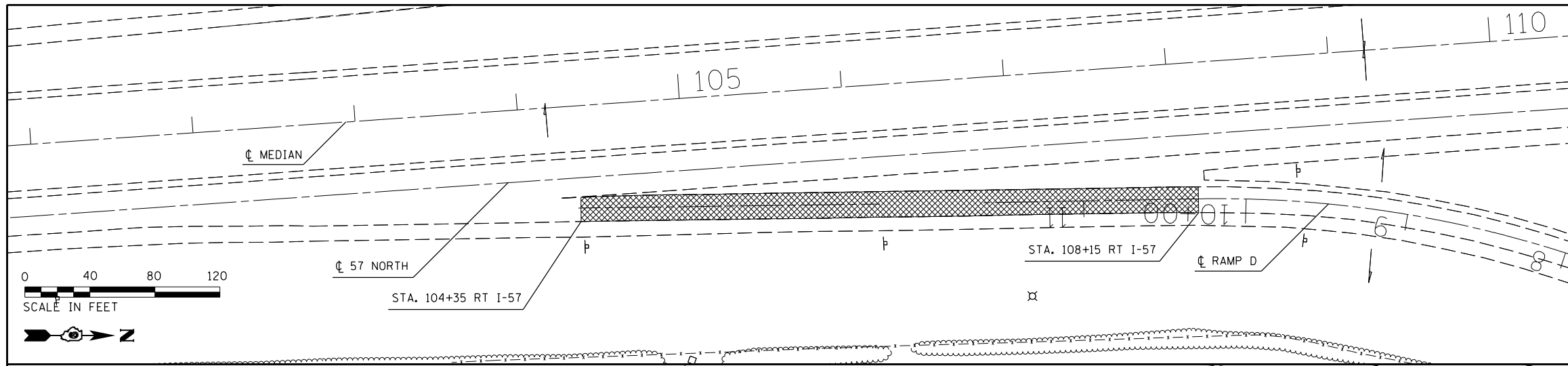
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	PLOT DATE = 2/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAMP CONSTRUCTION SHEET**

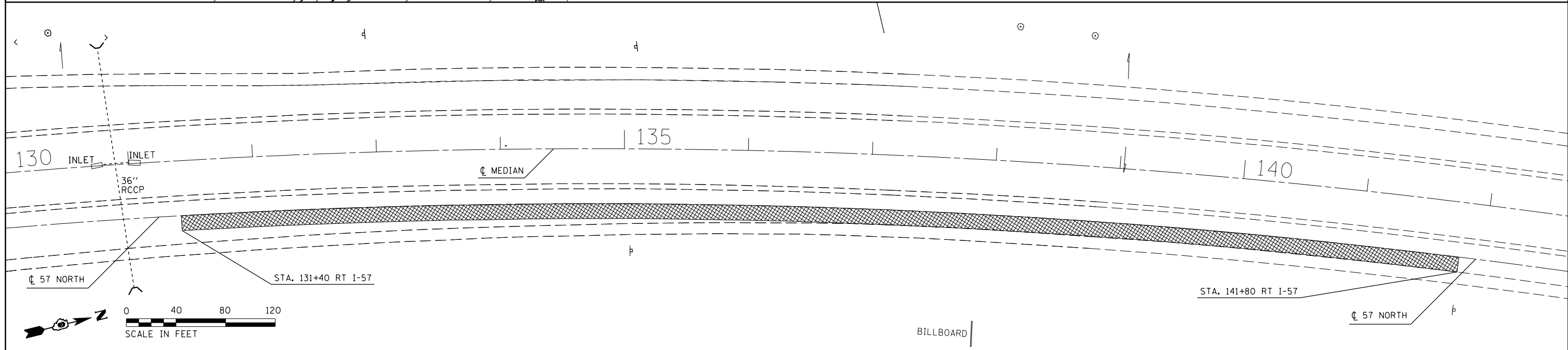
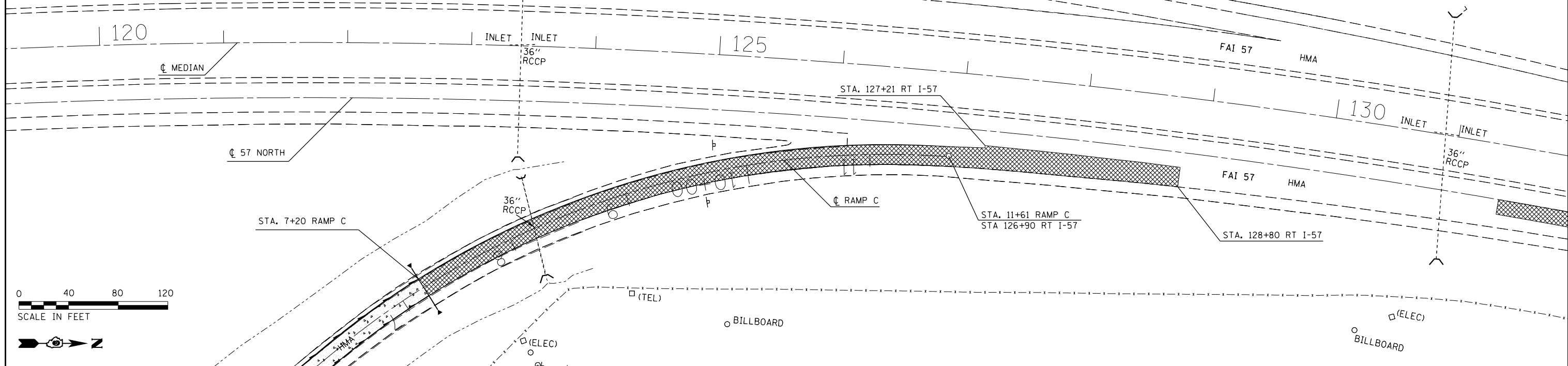
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	09 PAVT REPLACEMENT 2017-1	JEFFERSON	112	33
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- [Hatched Box] HOT-MIX ASPHALT REMOVAL, 2"
- [Cross-hatched Box] POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- [Dotted Box] POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90



FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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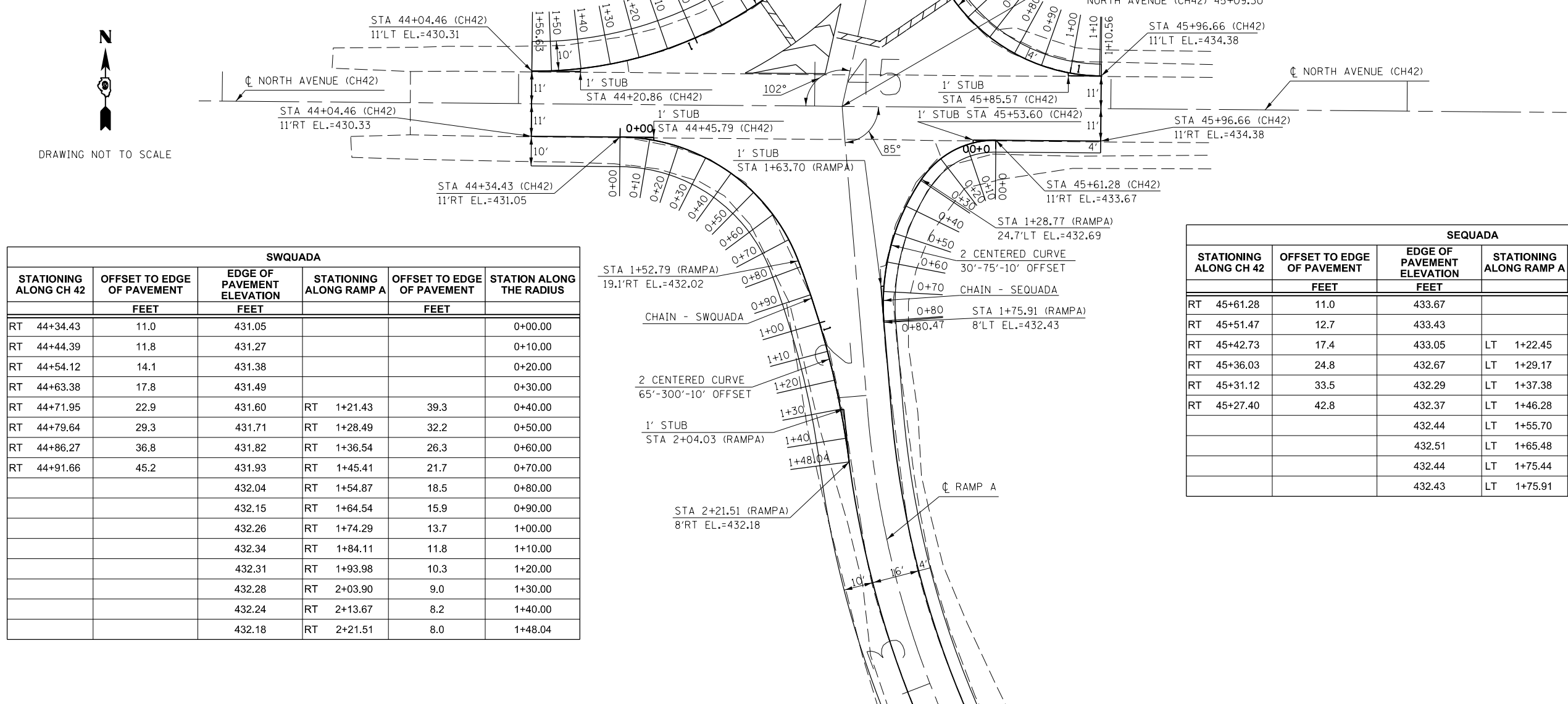
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>HMA RESURFACING SHEET</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	34
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

NWQUADB					
STATIONING ALONG RAMP B	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
LT 1+99.12	8.0	432.03			0+00.00
LT 1+89.14	8.5	432.10			0+10.00
LT 1+79.26	10.0	432.09			0+20.00
LT 1+69.57	12.5	432.08			0+30.00
LT 1+60.18	15.9	431.98			0+40.00
LT 1+51.18	20.2	431.88			0+50.00
LT 1+42.66	25.5	431.78	LT 44+92.83	44.4	0+60.00
LT 1+34.70	31.5	431.68	LT 44+85.24	37.9	0+70.00
LT 1+27.38	38.3	431.58	LT 44+77.04	32.2	0+80.00
LT 1+20.61	45.7	431.48	LT 44+68.42	27.1	0+90.00
		431.38	LT 44+59.44	22.7	1+00.00
		431.28	LT 44+50.17	19.0	1+10.00
		431.18	LT 44+40.64	15.9	1+20.00
		430.94	LT 44+30.92	13.6	1+30.00
		430.70	LT 44+21.05	12.0	1+40.00
		430.46	LT 44+11.09	11.2	1+50.00
		430.31	LT 44+04.46	11.0	1+56.63

NEQUADB					
STATIONING ALONG RAMP B	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
RT 1+92.51	8.0	432.14			0+00.00
RT 1+82.55	8.8	432.21			0+10.00
RT 1+72.86	11.2	432.28			0+20.00
RT 1+63.67	15.1	432.35			0+30.00
RT 1+55.23	20.5	432.42	LT 45+40.37	47.0	0+40.00
RT 1+47.76	27.1	432.50	LT 45+45.28	38.3	0+50.00
RT 1+41.45	34.8	432.83	LT 45+51.52	30.5	0+60.00
RT 1+36.46	43.5	433.16	LT 45+58.93	23.8	0+70.00
		433.49	LT 45+67.32	18.4	0+80.00
		433.82	LT 45+76.47	14.4	0+90.00
		434.14	LT 45+86.15	11.9	1+00.00
		434.37	LT 45+96.10	11.0	1+10.00
		434.38	LT 45+96.66	11.0	1+10.56



SWQUADA					
STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG RAMP A	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
RT 44+34.43	11.0	431.05			0+00.00
RT 44+44.39	11.8	431.27			0+10.00
RT 44+54.12	14.1	431.38			0+20.00
RT 44+63.38	17.8	431.49			0+30.00
RT 44+71.95	22.9	431.60	RT 1+21.43	39.3	0+40.00
RT 44+79.64	29.3	431.71	RT 1+28.49	32.2	0+50.00
RT 44+86.27	36.8	431.82	RT 1+36.54	26.3	0+60.00
RT 44+91.66	45.2	431.93	RT 1+45.41	21.7	0+70.00
		432.04	RT 1+54.87	18.5	0+80.00
		432.15	RT 1+64.54	15.9	0+90.00
		432.26	RT 1+74.29	13.7	1+00.00
		432.34	RT 1+84.11	11.8	1+10.00
		432.31	RT 1+93.98	10.3	1+20.00
		432.28	RT 2+03.90	9.0	1+30.00
		432.24	RT 2+13.67	8.2	1+40.00
		432.18	RT 2+21.51	8.0	1+48.04

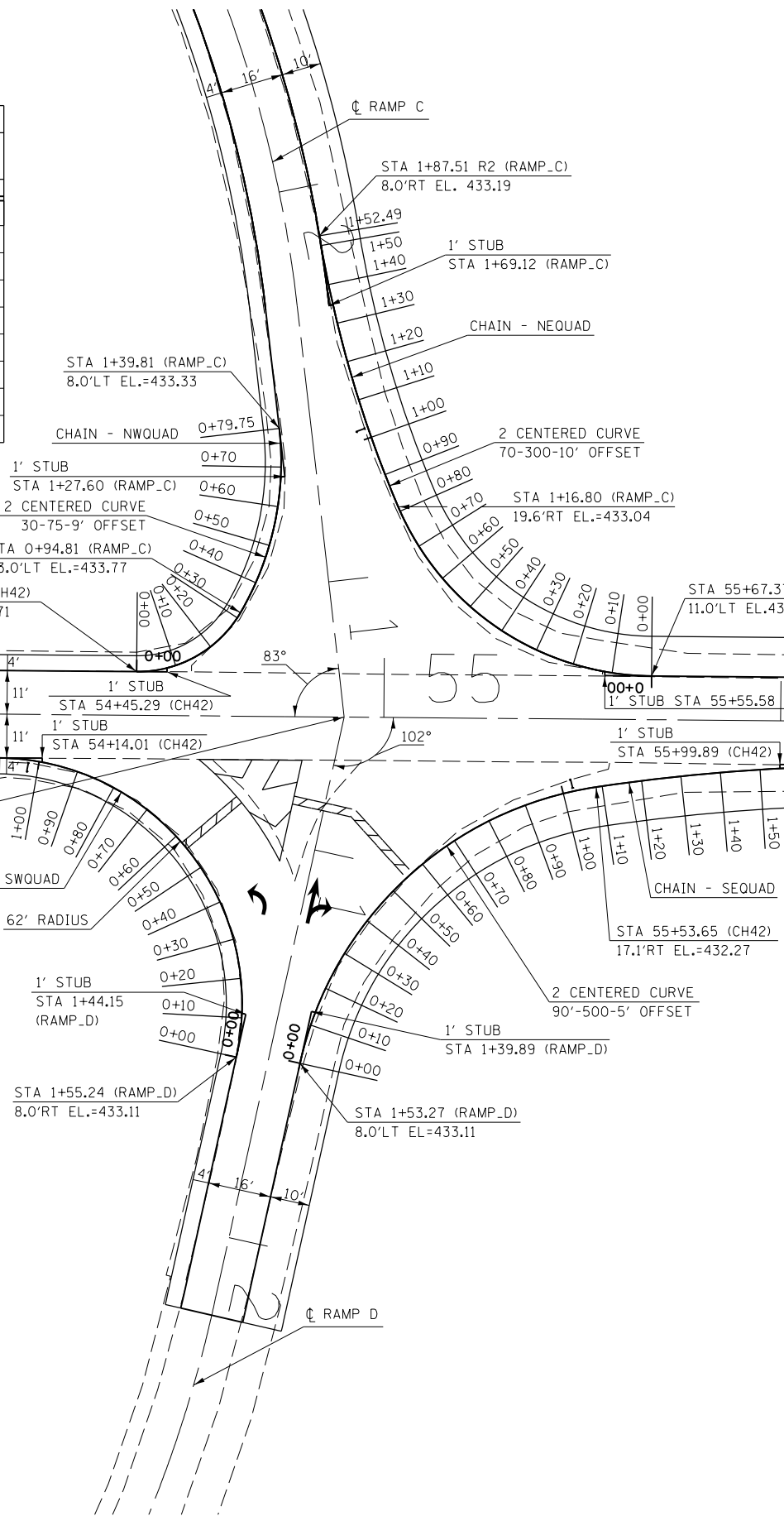
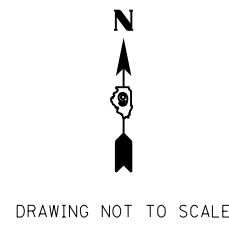
SEQUADA					
STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG RAMP A	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
RT 45+61.28	11.0	433.67			0+00.00
RT 45+51.47	12.7	433.43			0+10.00
RT 45+42.73	17.4	433.05	LT 1+22.45	31.7	0+20.00
RT 45+36.03	24.8	432.67	LT 1+29.17	24.3	0+30.00
RT 45+31.12	33.5	432.29	LT 1+37.38	18.7	0+40.00
RT 45+27.40	42.8	432.37	LT 1+46.28	14.1	0+50.00
		432.44	LT 1+55.70	10.8	0+60.00
		432.51	LT 1+65.48	8.7	0+70.00
		432.44	LT 1+75.44	8.0	0+80.00
		432.43	LT 1+75.91	8.0	0+80.47

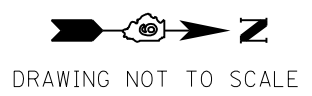
NWQUAD					
STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG RAMP C	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
LT 54+37.61	11.0	434.71			0+00.00
LT 54+47.43	12.7	434.40	LT 0+83.48	40.7	0+10.00
LT 54+56.16	17.4	434.09	LT 0+87.15	31.5	0+20.00
LT 54+62.86	24.8	433.78	LT 0+93.64	23.9	0+30.00
LT 54+67.44	33.7	433.68	LT 1+01.90	18.3	0+40.00
		433.58	LT 1+10.84	13.8	0+50.00
		433.48	LT 1+20.29	10.6	0+60.00
		433.38	LT 1+30.09	8.6	0+70.00
		433.33	LT 1+39.81	8.0	0+79.75

NEQUAD					
STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG RAMP C	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
LT 55+67.37	11.0	432.17			0+00.00
LT 55+57.41	11.7	432.38			0+10.00
LT 55+47.65	13.8	432.48			0+20.00
LT 55+38.28	17.3	432.58			0+30.00
LT 55+29.52	22.1	432.68	RT 0+82.87	41.9	0+40.00
LT 55+21.52	28.1	432.78	RT 0+89.79	34.7	0+50.00
LT 55+14.46	35.2	432.88	RT 0+97.67	28.6	0+60.00
LT 55+08.47	43.2	432.98	RT 1+06.34	23.6	0+70.00
		433.03	RT 1+15.62	19.9	0+80.00
		433.08	RT 1+25.24	17.2	0+90.00
		433.13	RT 1+34.95	14.8	1+00.00
		433.18	RT 1+44.73	12.7	1+10.00
		433.23	RT 1+54.58	11.0	1+20.00
		433.28	RT 1+64.48	9.5	1+30.00
		433.25	RT 1+75.33 R2	8.5	1+40.00
		433.21	RT 1+85.08 R2	8.0	1+50.00
		433.19	RT 1+87.51 R2	8.0	1+52.49

SWQUAD					
STATIONING ALONG RAMP D	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
RT 1+55.24	8.0	433.11			0+00.00
RT 1+45.28	8.8	433.22			0+10.00
RT 1+35.58	11.2	433.32			0+20.00
RT 1+26.40	15.1	433.42			0+30.00
RT 1+17.96	20.5	433.52	RT 54+59.13	46.8	0+40.00
RT 1+10.49	27.1	433.62	RT 54+54.19	38.1	0+50.00
RT 1+04.18	34.8	433.92	RT 54+47.93	30.4	0+60.00
RT 0+99.19	43.5	434.22	RT 54+40.50	23.7	0+70.00
		434.52	RT 54+32.09	18.3	0+80.00
		434.82	RT 54+22.93	14.3	0+90.00
		435.12	RT 54+13.25	11.9	1+00.00
		435.39	RT 54+03.29	11.0	1+10.00

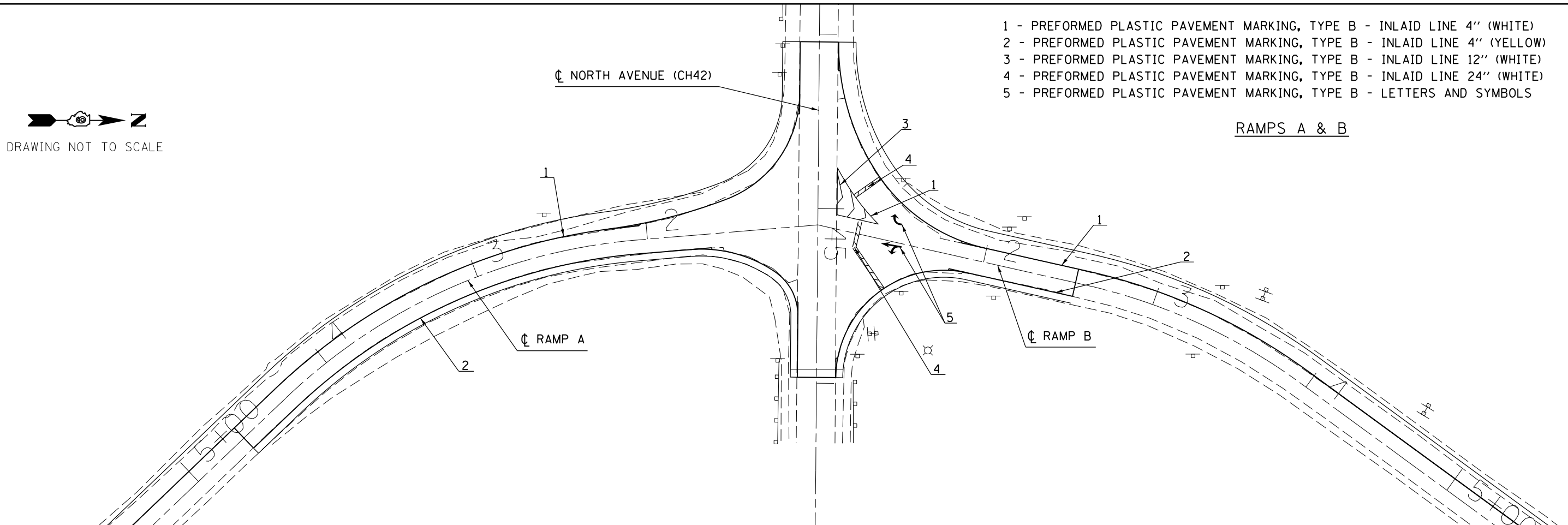
SEQUAD					
STATIONING ALONG RAMP D	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG CH 42	OFFSET TO EDGE OF PAVEMENT	STATION ALONG THE RADIUS
	FEET	FEET		FEET	
LT 1+53.27	8.0	433.11			0+00.00
LT 1+43.29	8.6	433.16			0+10.00
LT 1+33.43	10.2	433.21			0+20.00
LT 1+23.82	13.0	433.11			0+30.00
LT 1+14.57	16.7	433.01			0+40.00
LT 1+05.80	21.5	432.91	RT 55+02.73	43.7	0+50.00
LT 0+97.61	27.3	432.81	RT 55+10.05	36.9	0+60.00
LT 0+90.11	33.9	432.71	RT 55+18.07	30.9	0+70.00
LT 0+83.39	41.3	432.61	RT 55+26.70	25.9	0+80.00
		432.51	RT 55+35.84	21.8	0+90.00
		432.41	RT 55+45.37	18.8	1+00.00
		432.25	RT 55+55.18	16.9	1+10.00
		432.09	RT 55+65.07	15.4	1+20.00
		431.93	RT 55+75.00	14.2	1+30.00
		431.77	RT 55+84.94	13.2	1+40.00
		431.66	RT 55+94.91	12.3	1+50.00
		431.55	RT 56+04.89	11.7	1+60.00
		431.42	RT 56+14.88	11.3	1+70.00
		431.29	RT 56+24.88	11.0	1+80.00





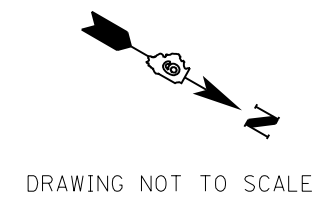
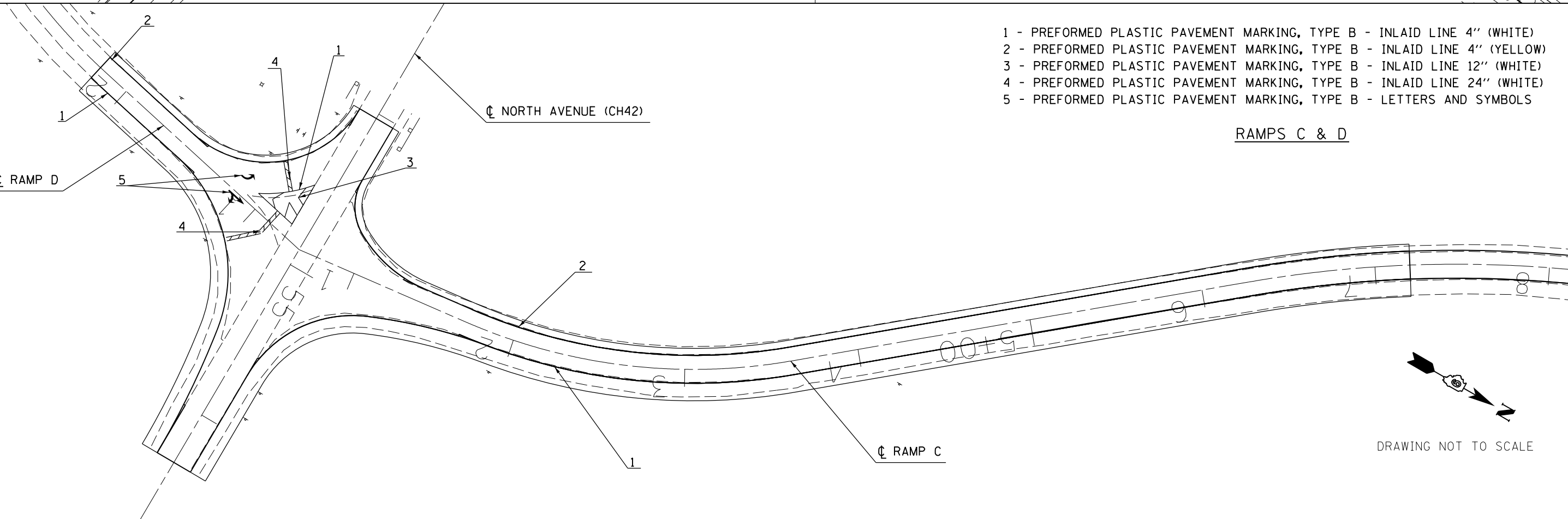
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- 2 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 4" (YELLOW)
- 3 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 12" (WHITE)
- 4 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 24" (WHITE)
- 5 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS

**RAMPS A & B**

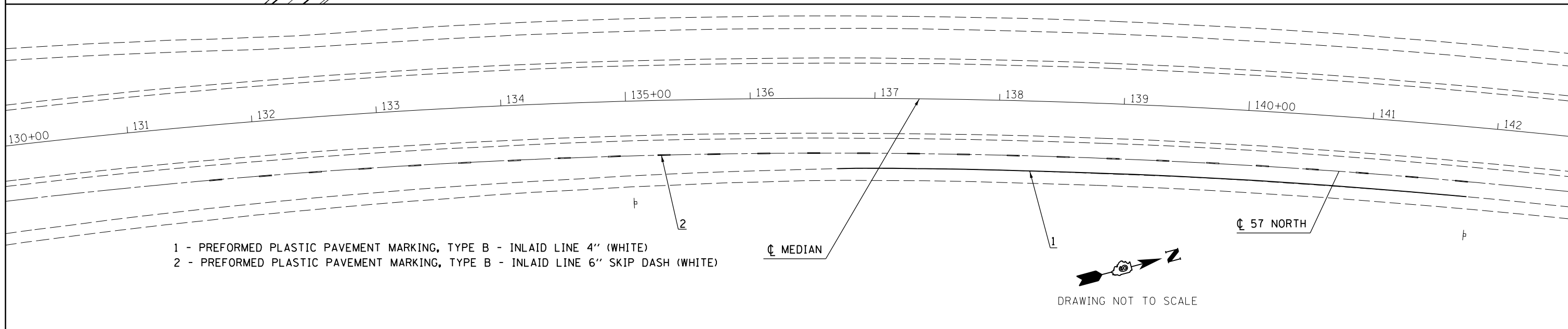
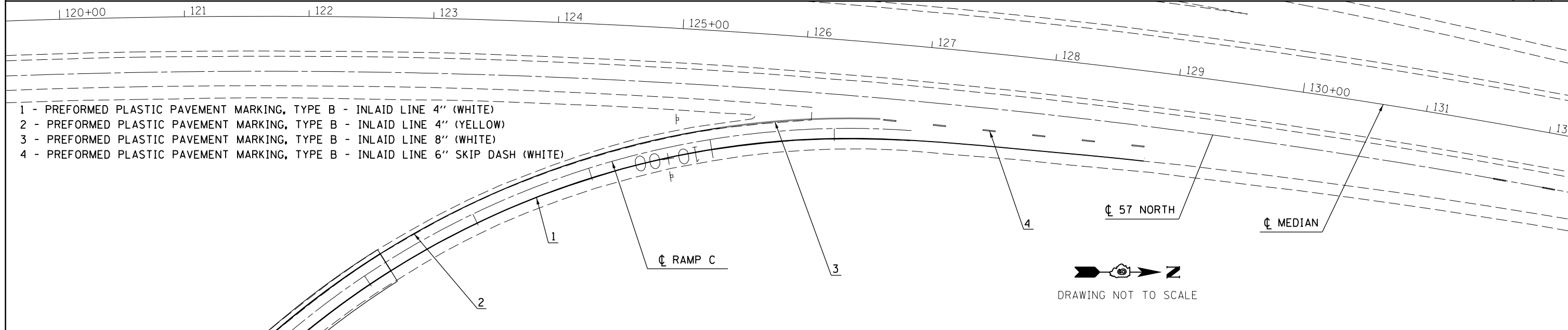
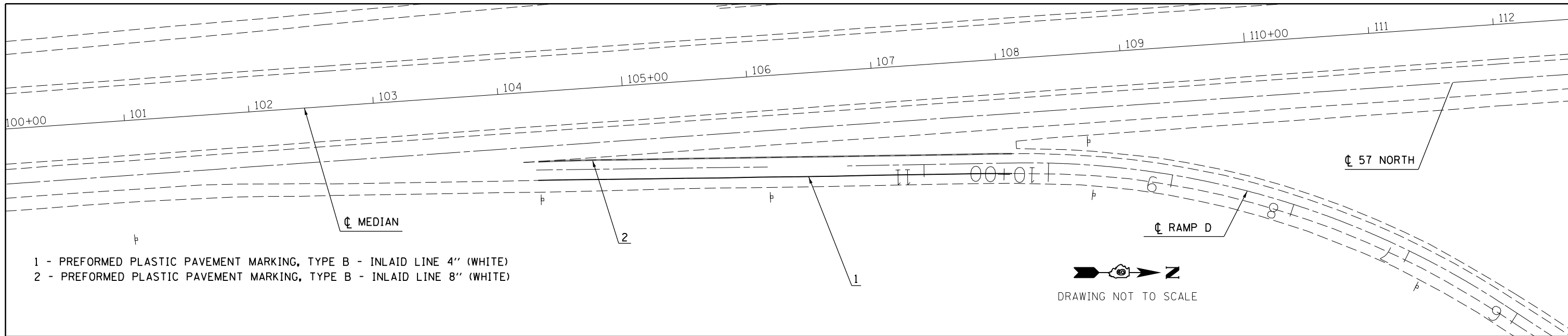


- 1 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 4" (WHITE)
- 2 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 4" (YELLOW)
- 3 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 12" (WHITE)
- 4 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID LINE 24" (WHITE)
- 5 - PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS

**RAMPS C & D**



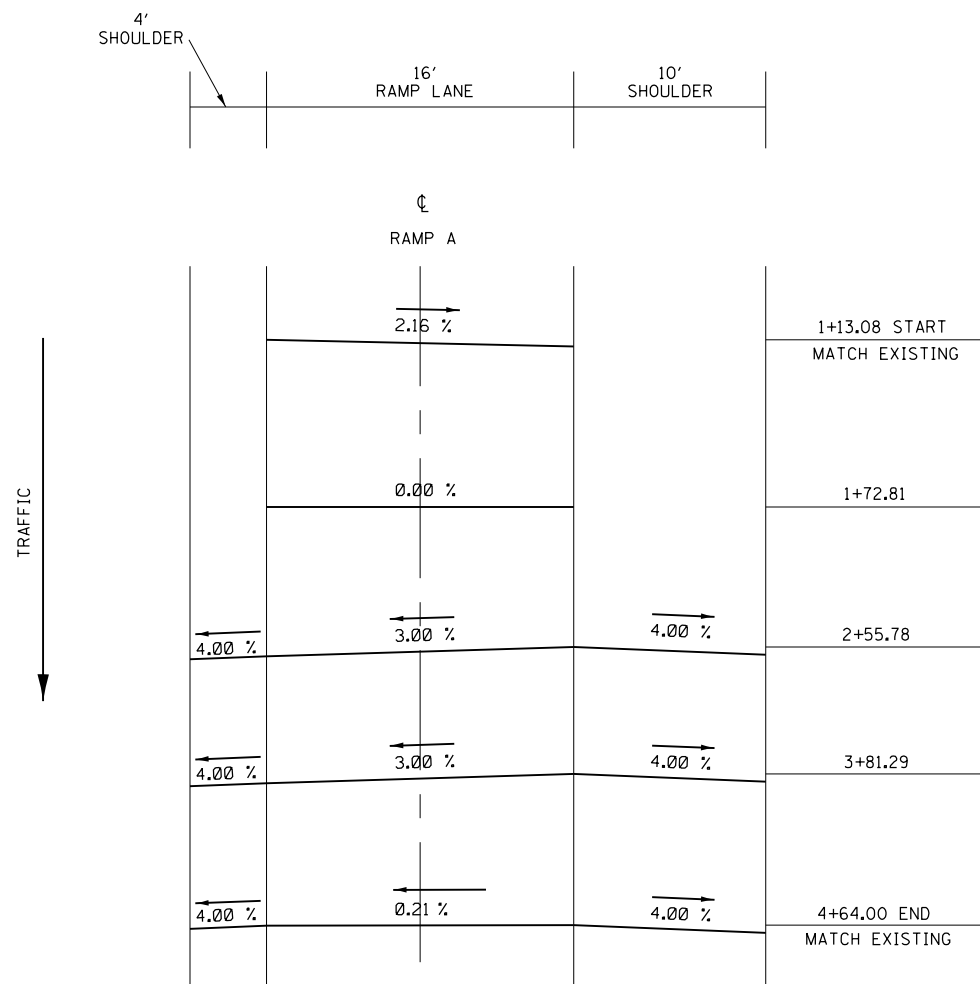
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pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78532\Drawings\CAD\Sheets\shg-roadwaydetails.dwg		CHECKED -	REVISED -		1-57	09 PAVT REPLACEMENT 2017-1	JEFFERSON	112	37				
Default	PLOT SCALE = 60.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78532	
	PLOT DATE = 2/6/2017											ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAILS HMA PORTION</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 2/6/2017									ILLINOIS FED. AID PROJECT			

# SUPERELEVATION

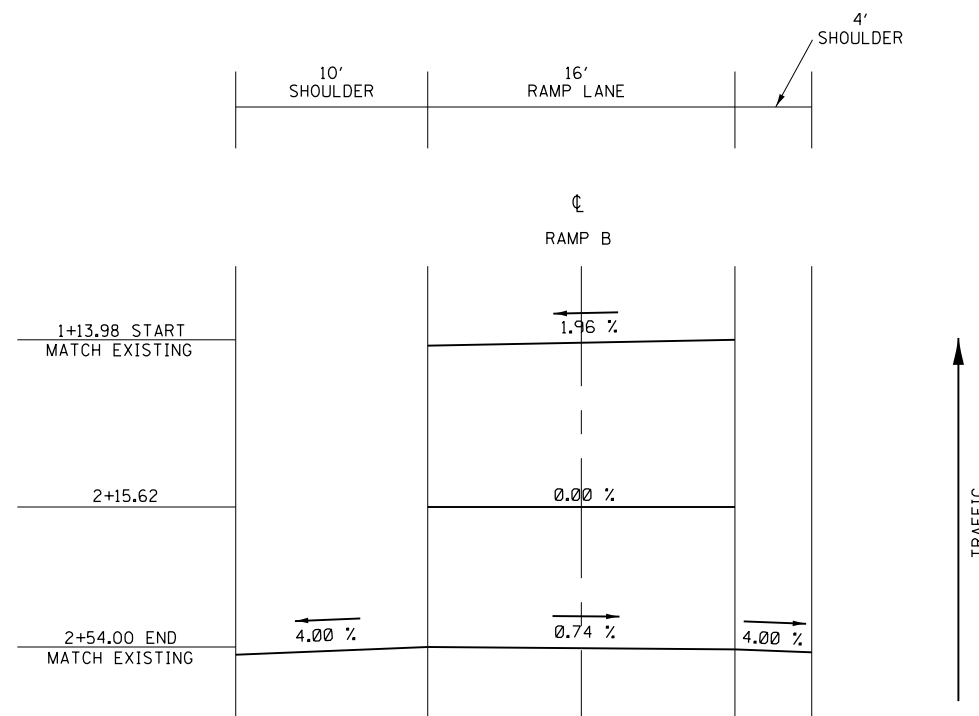
## RAMP A (LOOKING IN DIRECTION OF INCREASING STATION)



- STATIONS WITH NO SHOULDER SLOPES SHOWN ARE STILL IN RADIUS SECTIONS
- SEE CROSS SECTIONS FOR MORE SUPERELEVATION SLOPES

# SUPERELEVATION

## RAMP B (LOOKING IN DIRECTION OF INCREASING STATION)



- STATIONS WITH NO SHOULDER SLOPES SHOWN ARE STILL IN RADIUS SECTIONS
- SEE CROSS SECTIONS FOR MORE SUPERELEVATION SLOPES

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

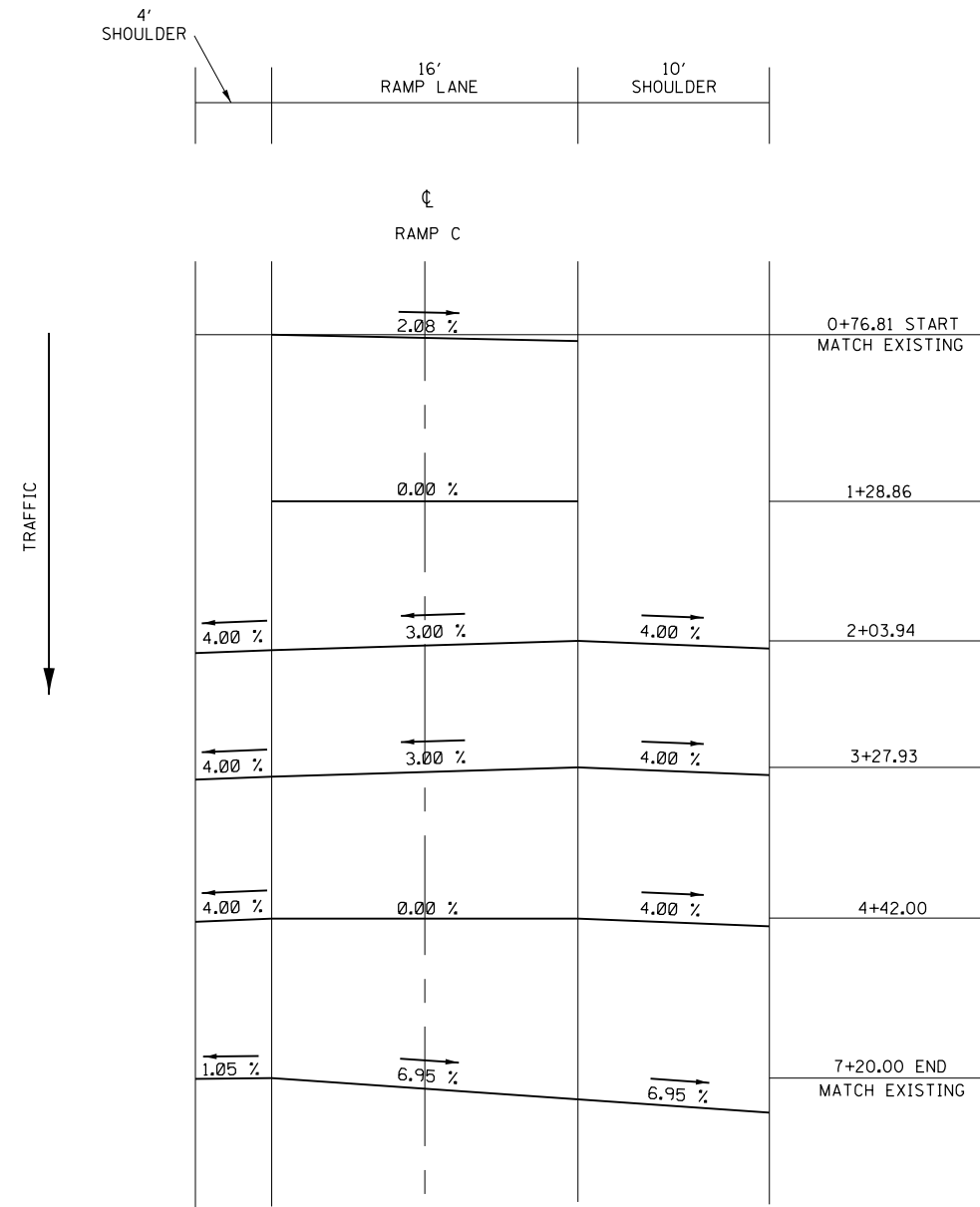
**SUPERELEVATION DETAIL  
RAMPS A AND B**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	D9 PAVT REPLACEMENT 2017-1	JEFFERSON	112	39
CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

# SUPERELEVATION

## RAMP C (LOOKING IN DIRECTION OF INCREASING STATION)

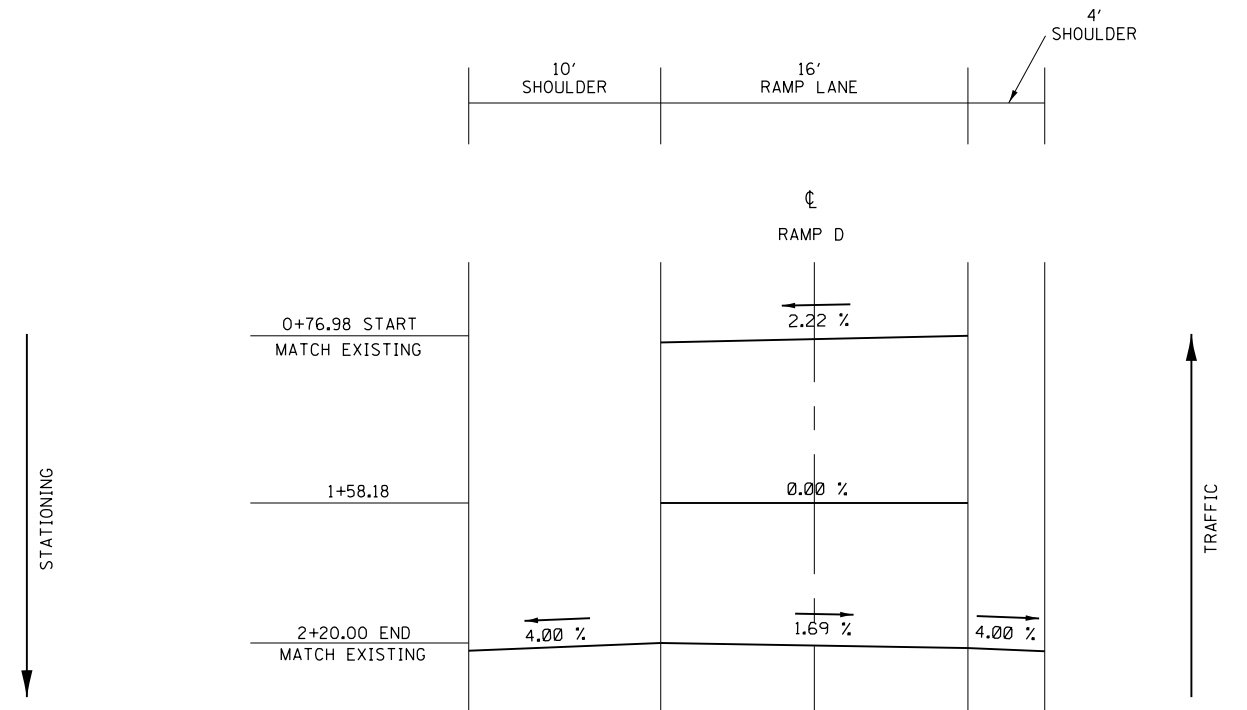


• STATIONS WITH NO SHOULDER SLOPES SHOWN ARE STILL IN RADIUS SECTIONS

•• SEE CROSS SECTIONS FOR MORE SUPERELEVATION SLOPES

# SUPERELEVATION

## RAMP D (LOOKING IN DIRECTION OF INCREASING STATION)



• STATIONS WITH NO SHOULDER SLOPES SHOWN ARE STILL IN RADIUS SECTIONS

•• SEE CROSS SECTIONS FOR MORE SUPERELEVATION SLOPES

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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	PLOT DATE = 2/6/2017	DATE -	REVISED -

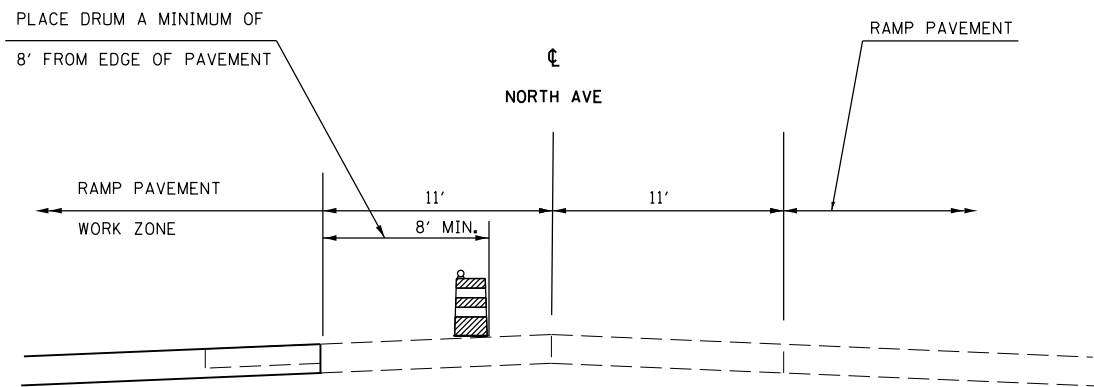
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DETAIL			
RAMPS C AND D			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

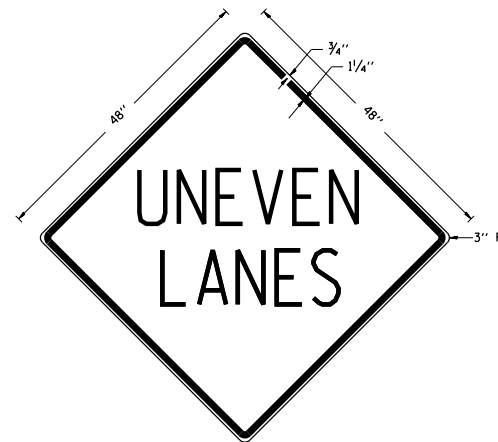


# TRAFFIC CONTROL DETAIL



MODIFY HIGHWAY STANDARD 701316 OR 701501 BY PLACING DRUM A MINIMUM OF 8' FROM THE EDGE OF PAVEMENT OF NORTH AVE IN THE AREA ADJACENT TO THE WORK ZONE.

# UNEVEN LANES SIGN W8-11 (48" x 48")



**COLORS:**  
LEGEND AND BORDER - BLACK NON-REFLECTORIZED  
BACKGROUND - ORANGE REFLECTORIZED

**NOTE:** PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

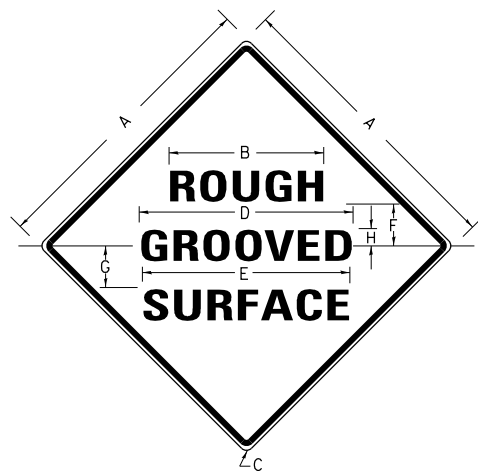
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

# ILLINOIS STANDARD



**COLORS:**  
LEGEND AND BORDER- BLACK NON-REFLECTORIZED  
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

### NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

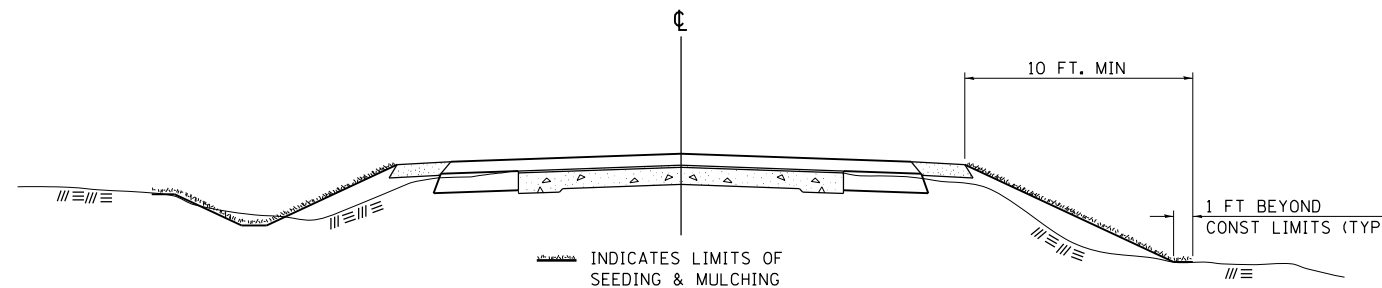
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

# 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 SEEDED SHALL BE CLASS 7.

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

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
REVIEWED	5-16-13

STD. 9-12

FILE NAME =	USER NAME = harpja	DESIGNED -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

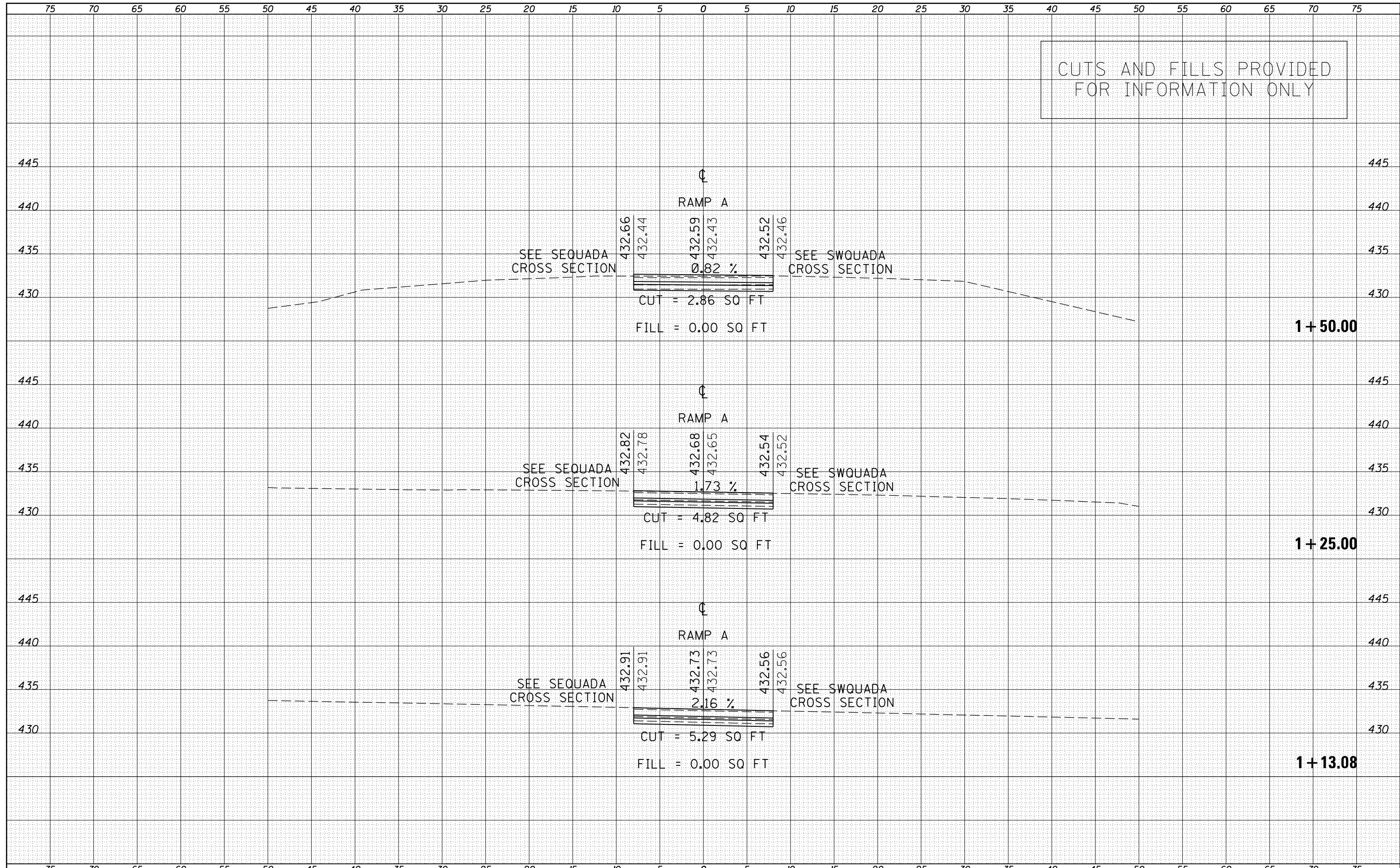
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78532				
ILLINOIS FED. AID PROJECT				

CUTS AND FILLS PROVIDED FOR INFORMATION ONLY

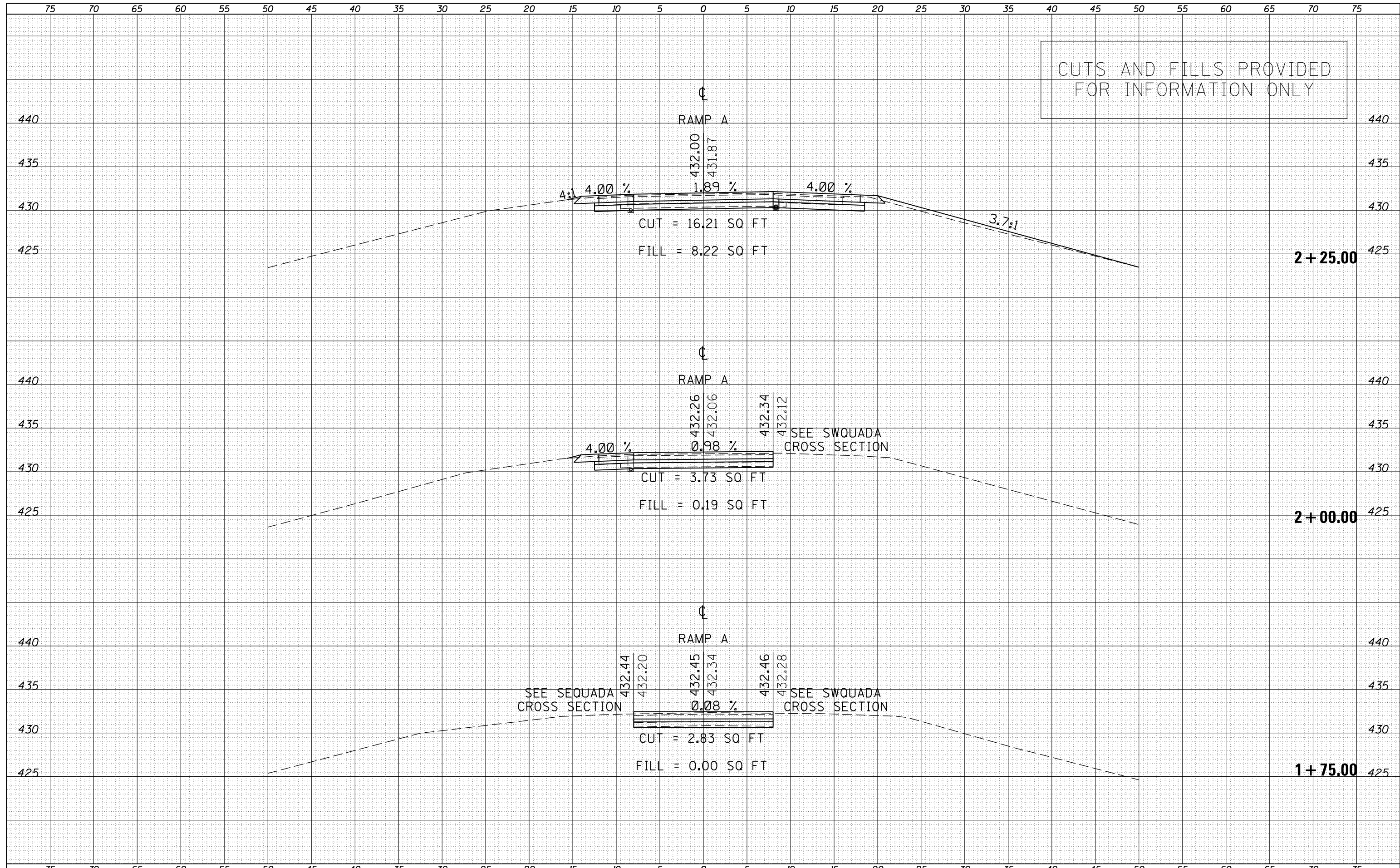
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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DATE	
BY	
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	AREAS
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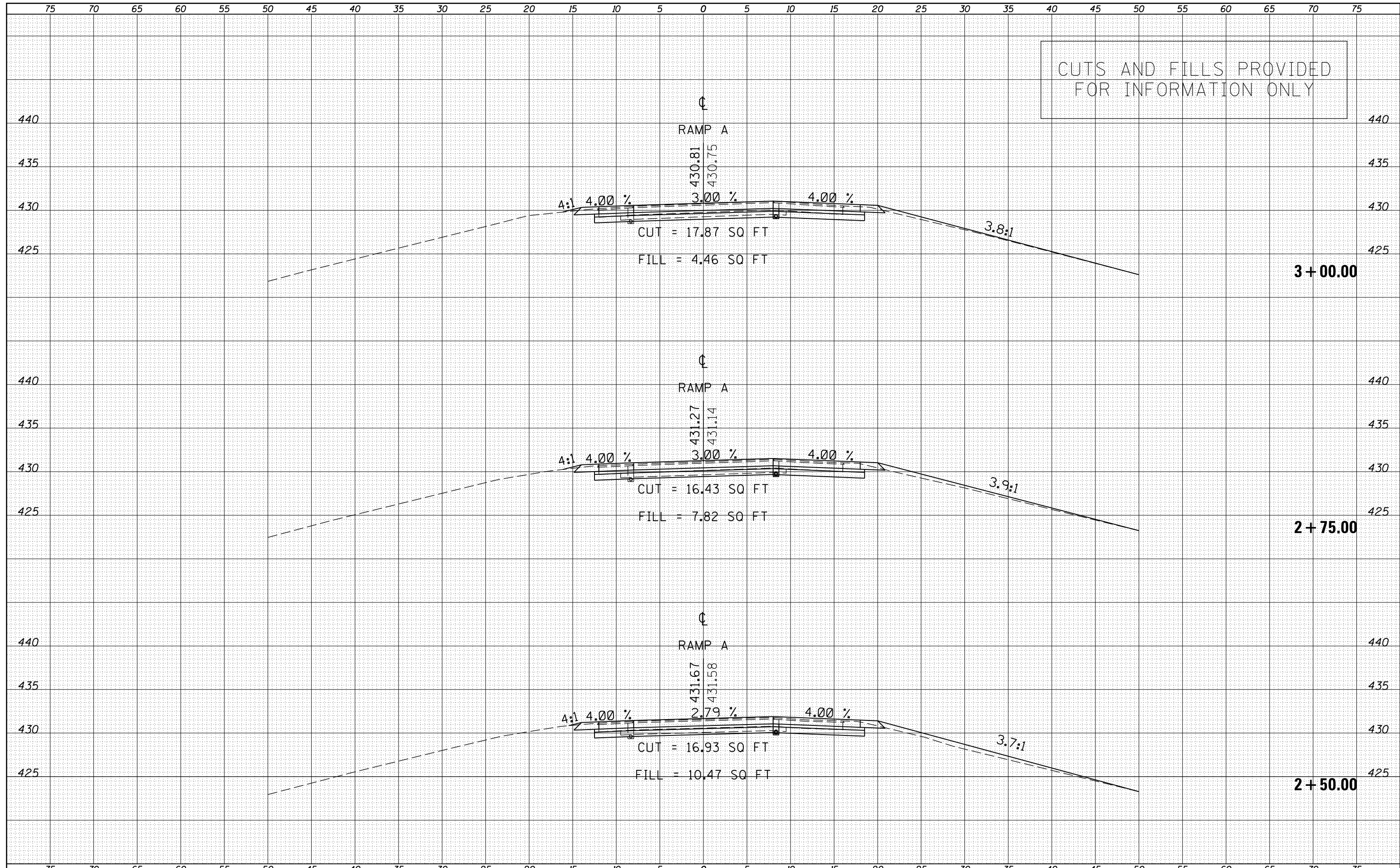
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FILE NAME =	USER NAME = harpja	DESIGNED -	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RAMPA - CROSS SECTIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 2/6/2017	DATE -	REVISIED -			ILLINOIS FED. AID PROJECT					

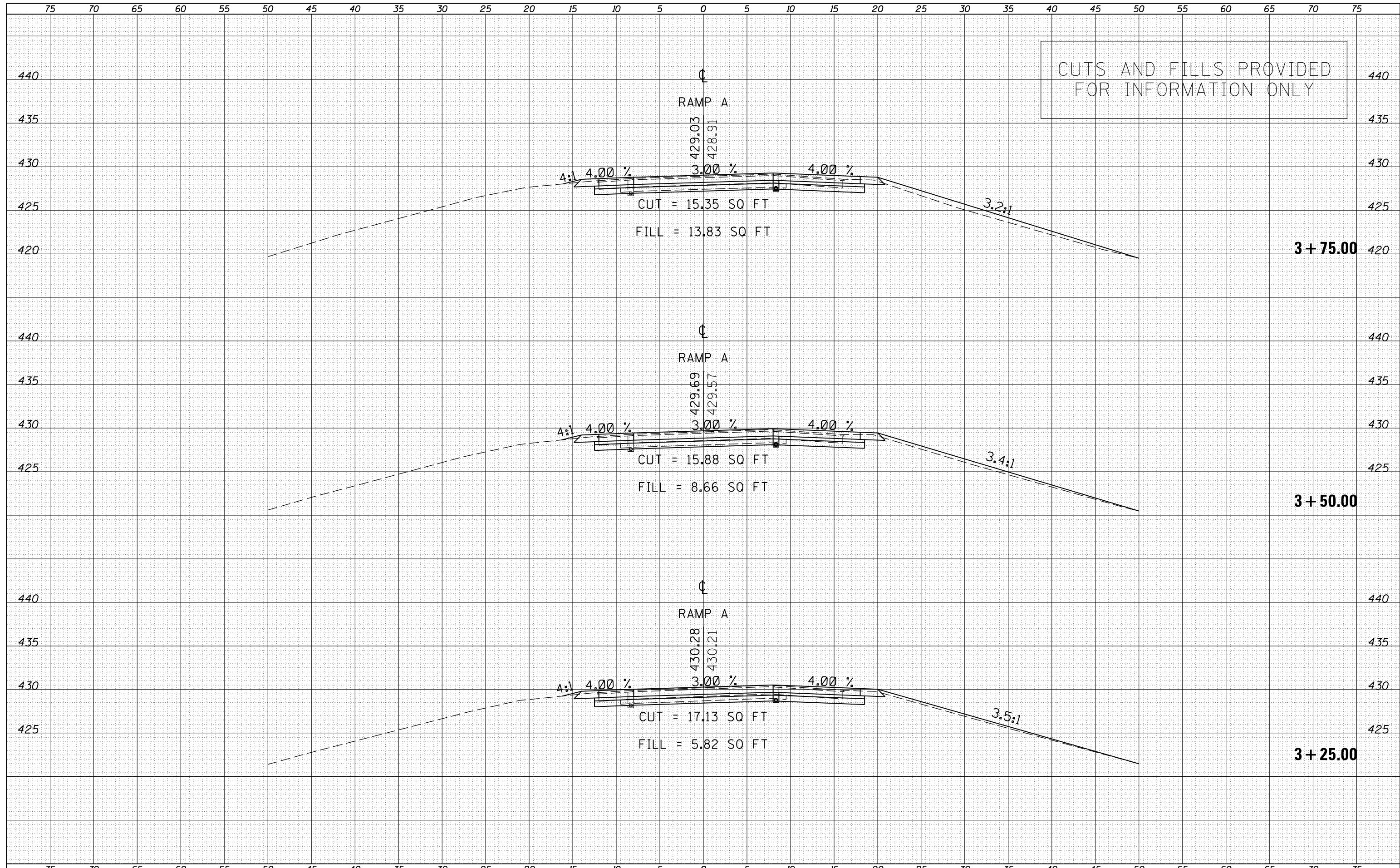
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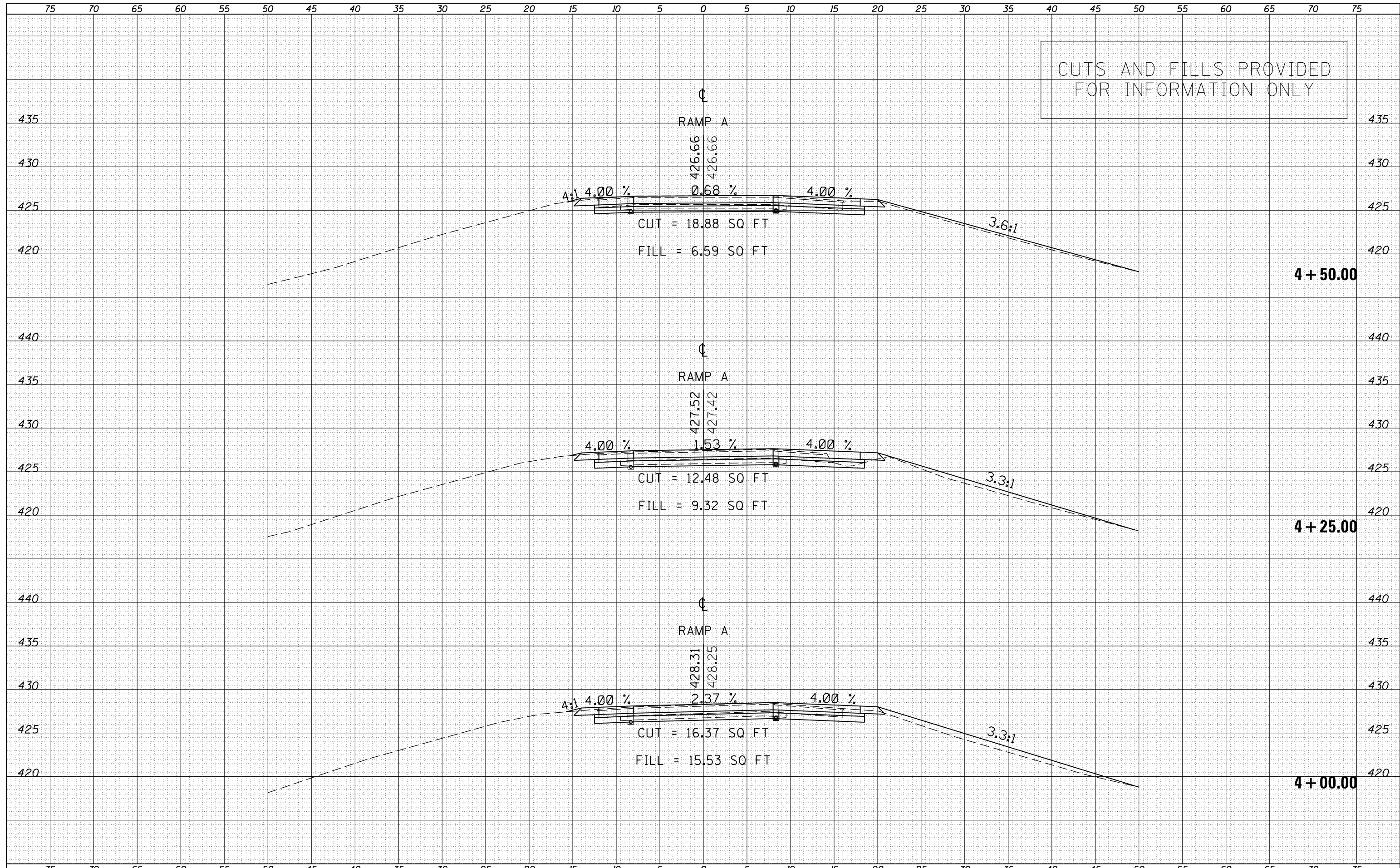
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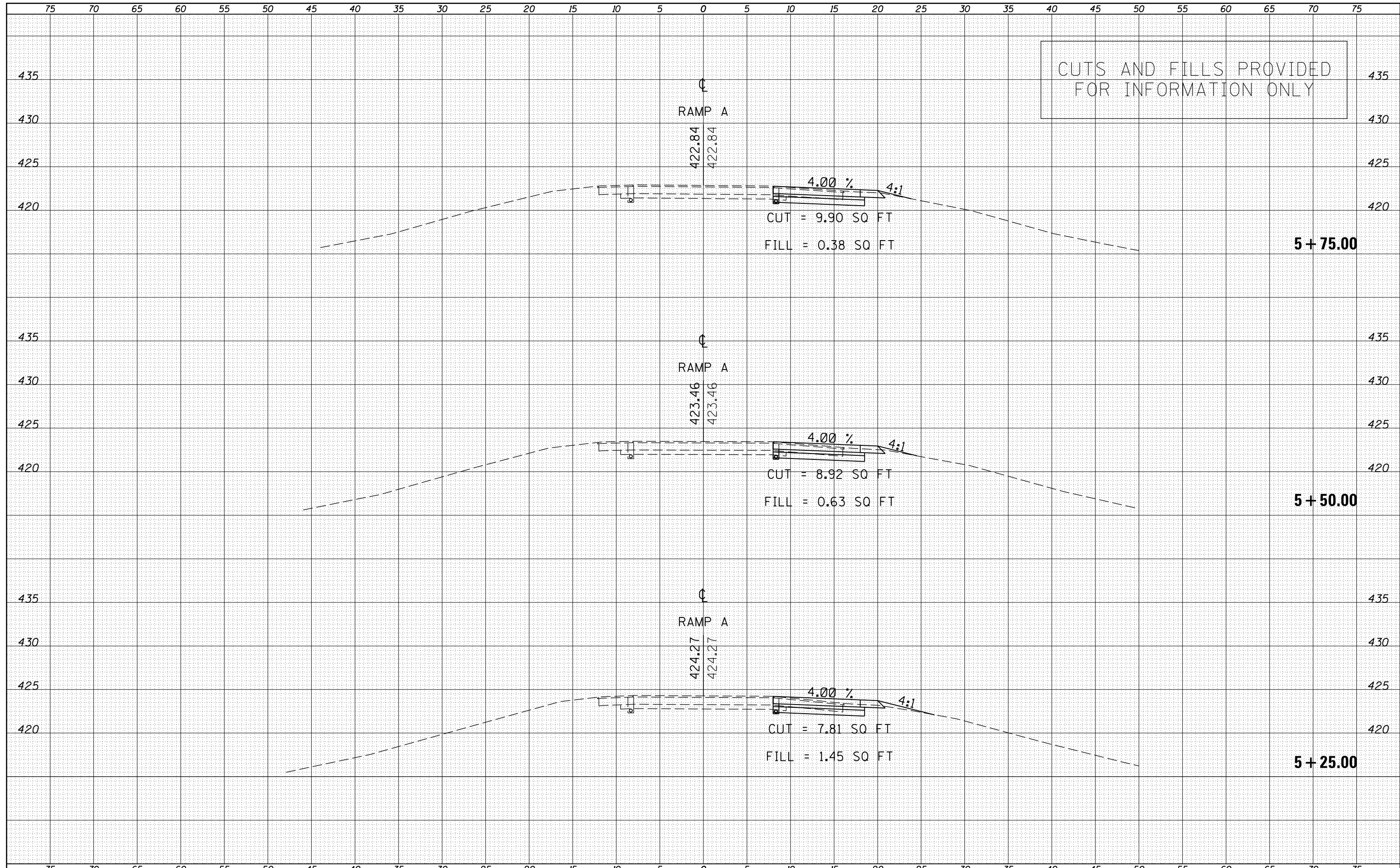


CUTS AND FILLS PROVIDED FOR INFORMATION ONLY



DATE	
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NOTE BOOK	
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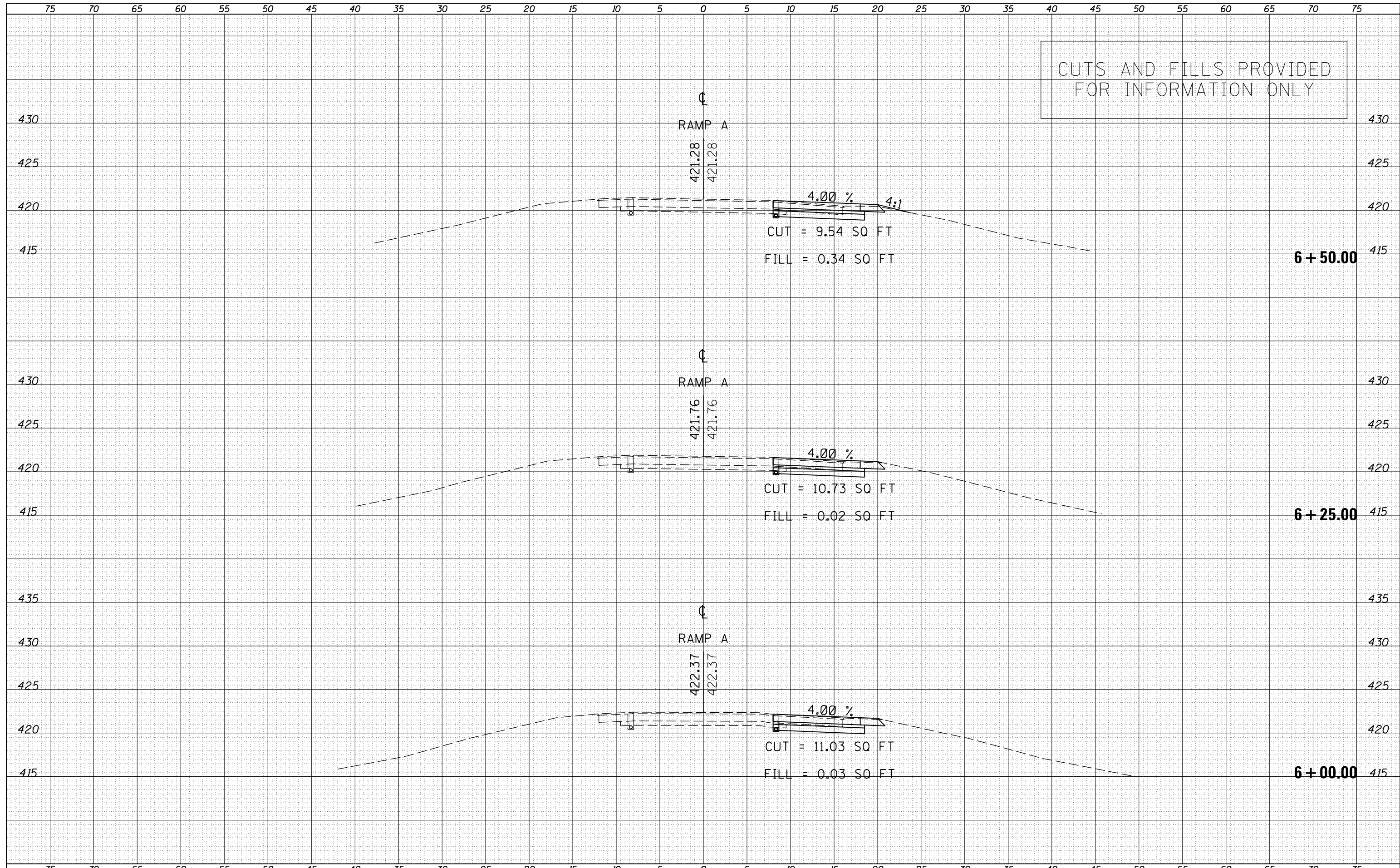
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NOTE BOOK	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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DATE	
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ORIGINAL SURVEY	SURVEYED
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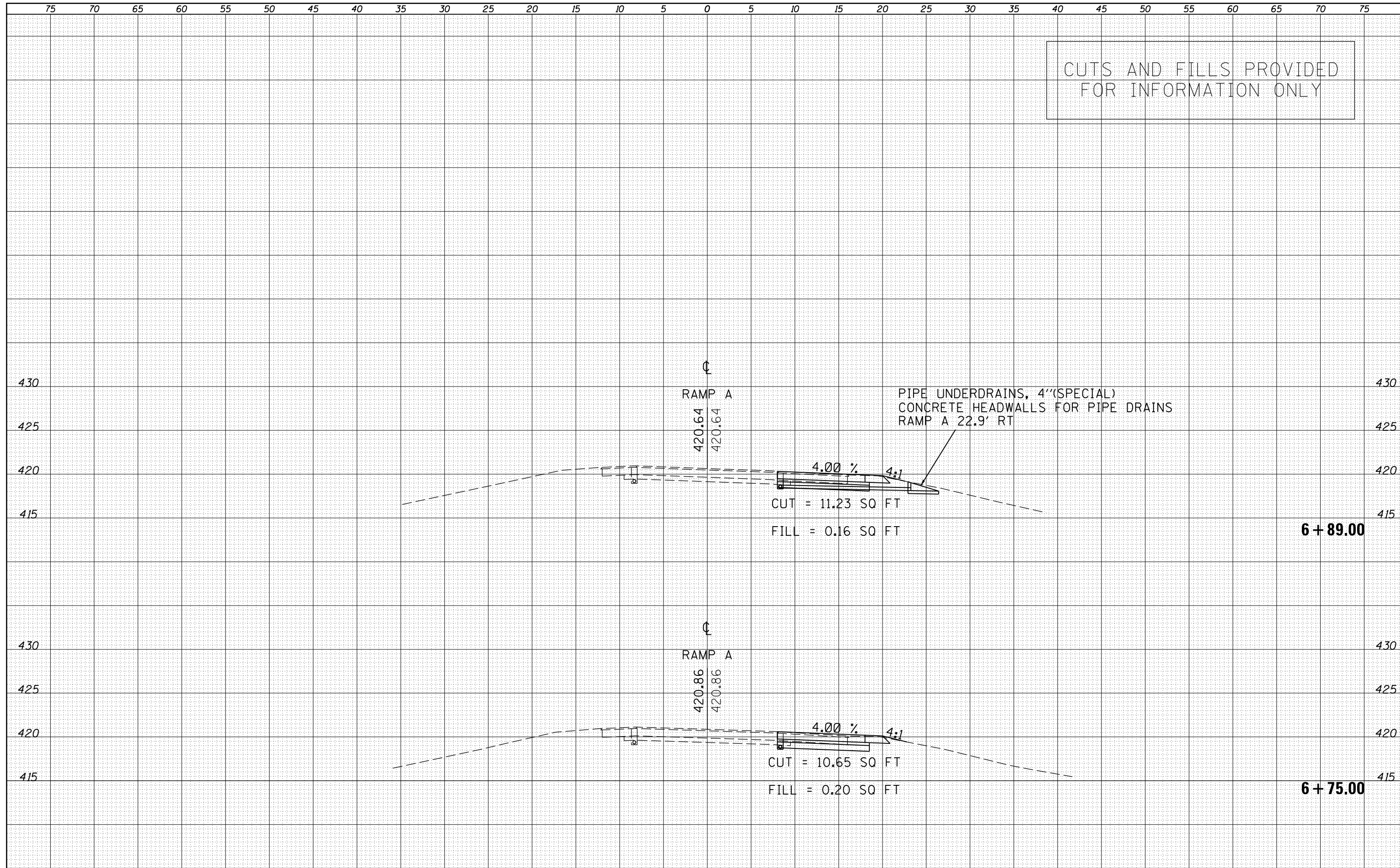
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAMPA - CROSS SECTIONS**

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

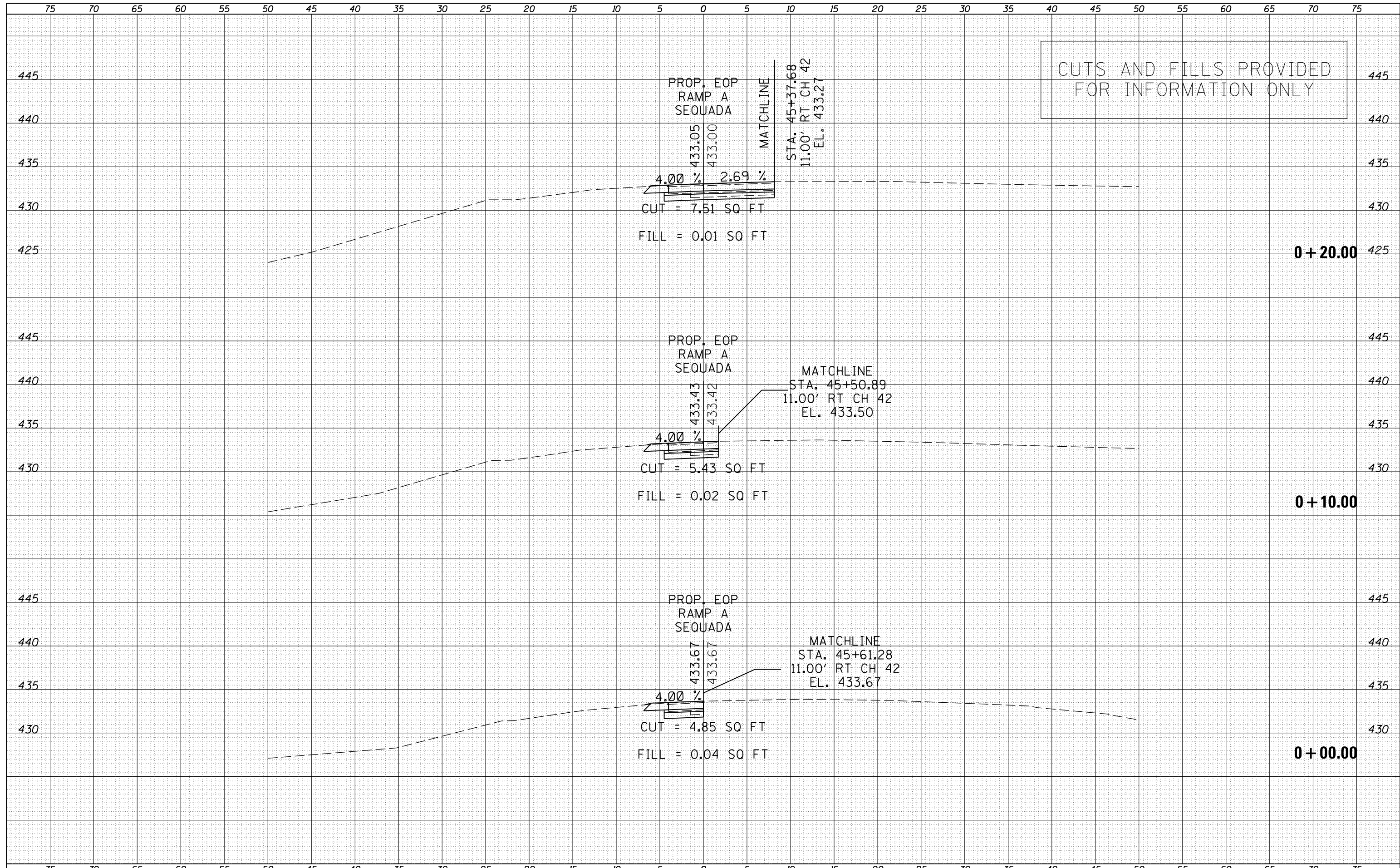
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NOTE BOOK	PLOTTED
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CUTS AND FILLS PROVIDED FOR INFORMATION ONLY



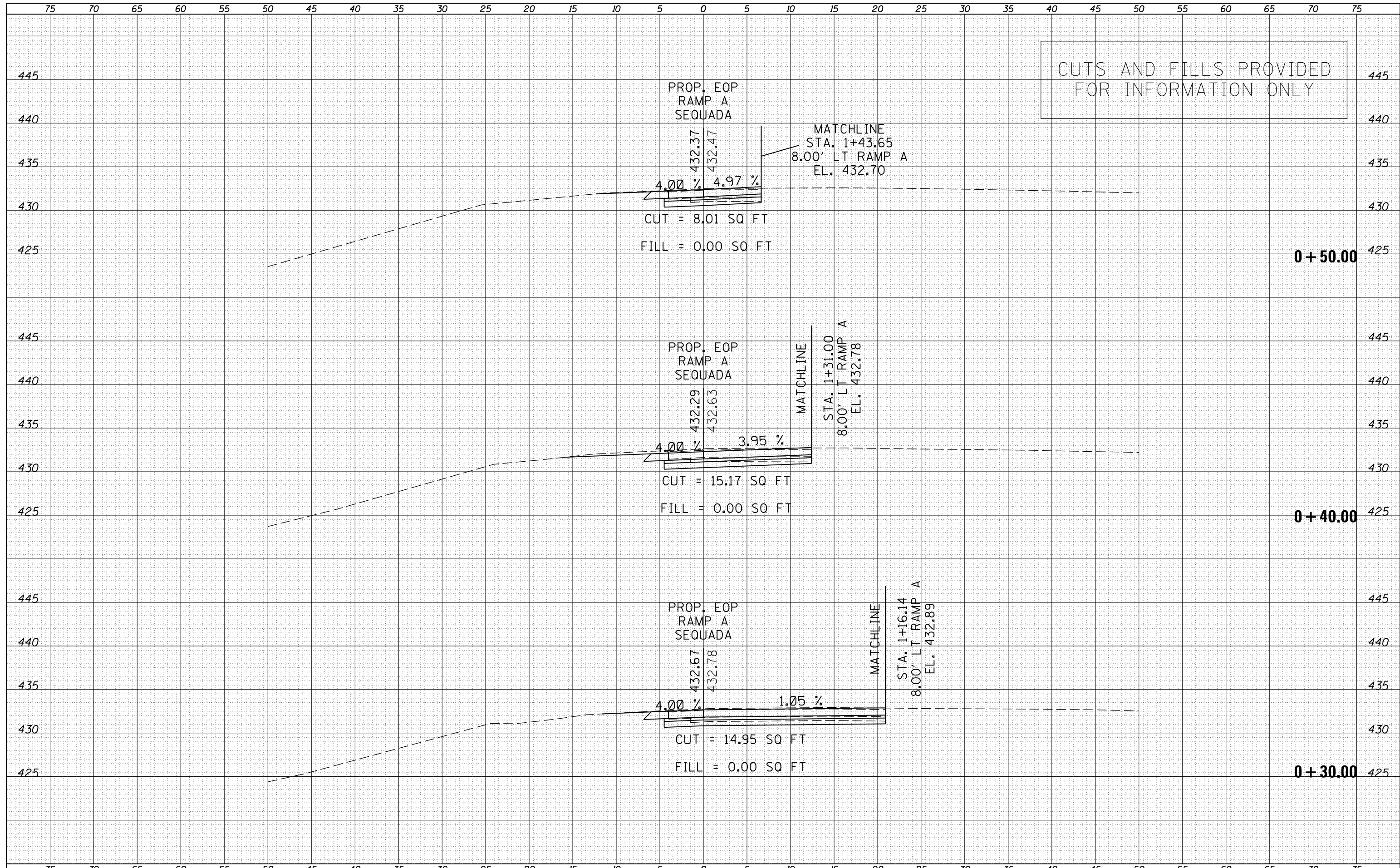
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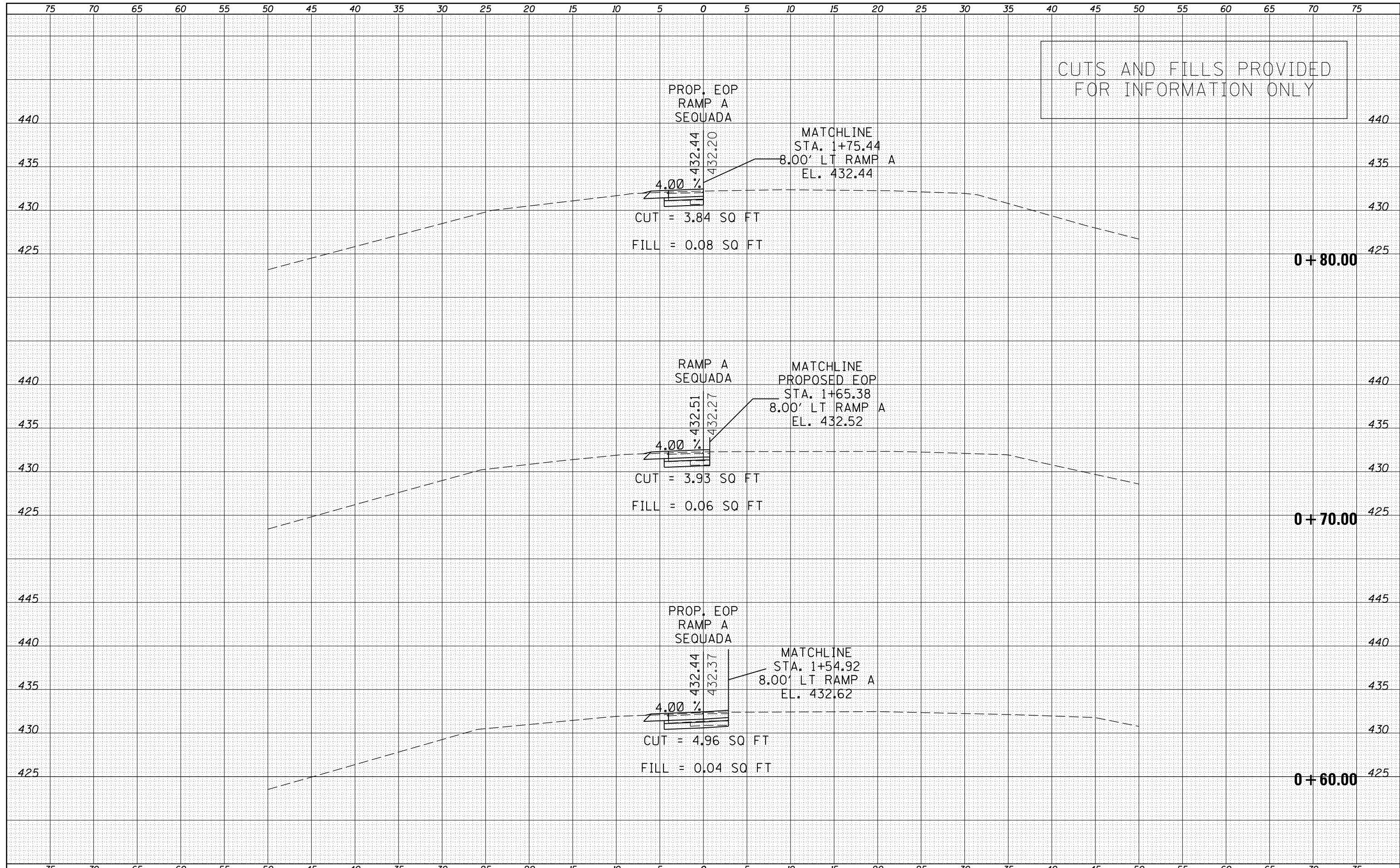
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NOTE BOOK	
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DATE	
BY	
ORIGINAL SURVEY NO.	
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ORIGINAL SURVEY NO.	
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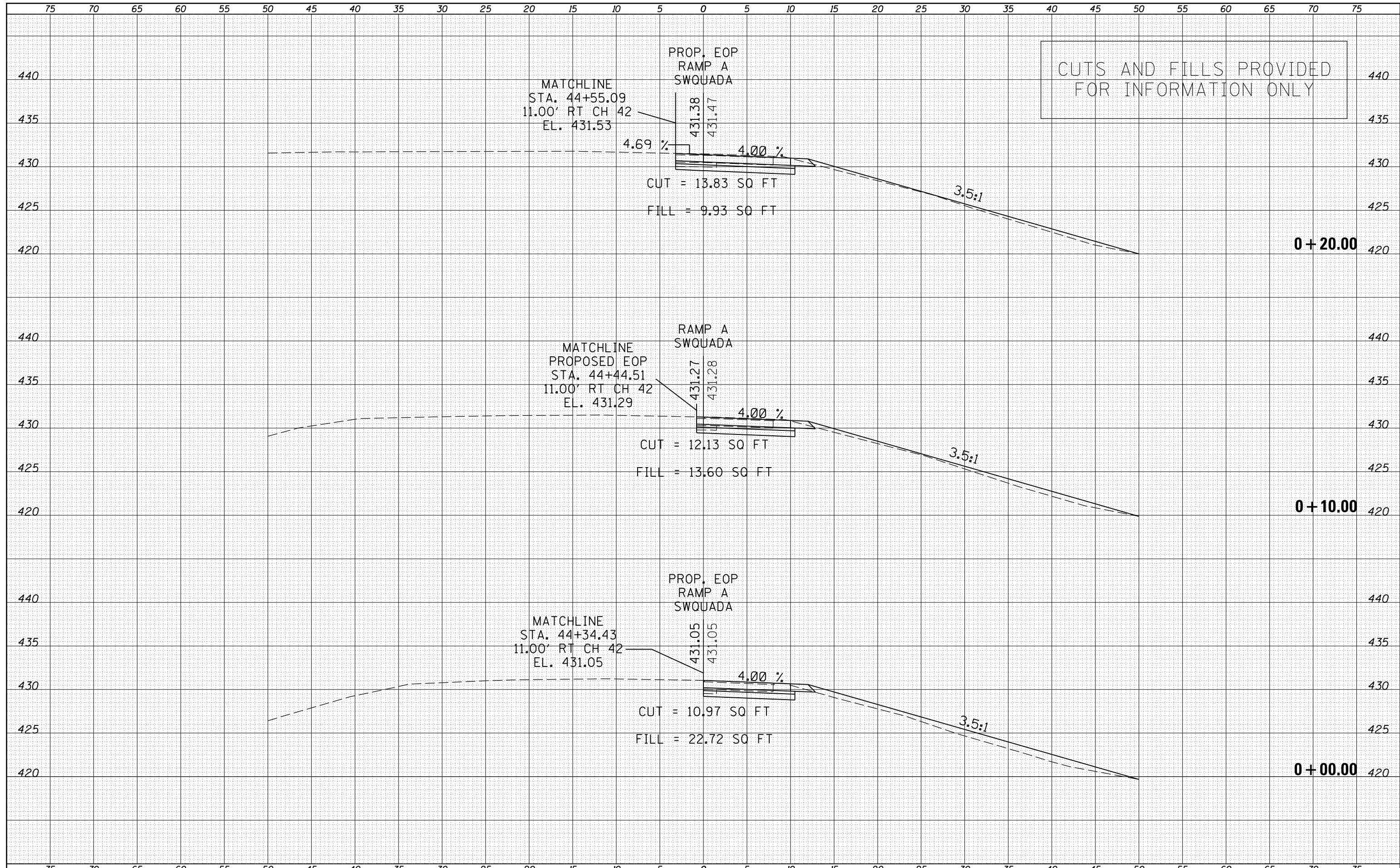


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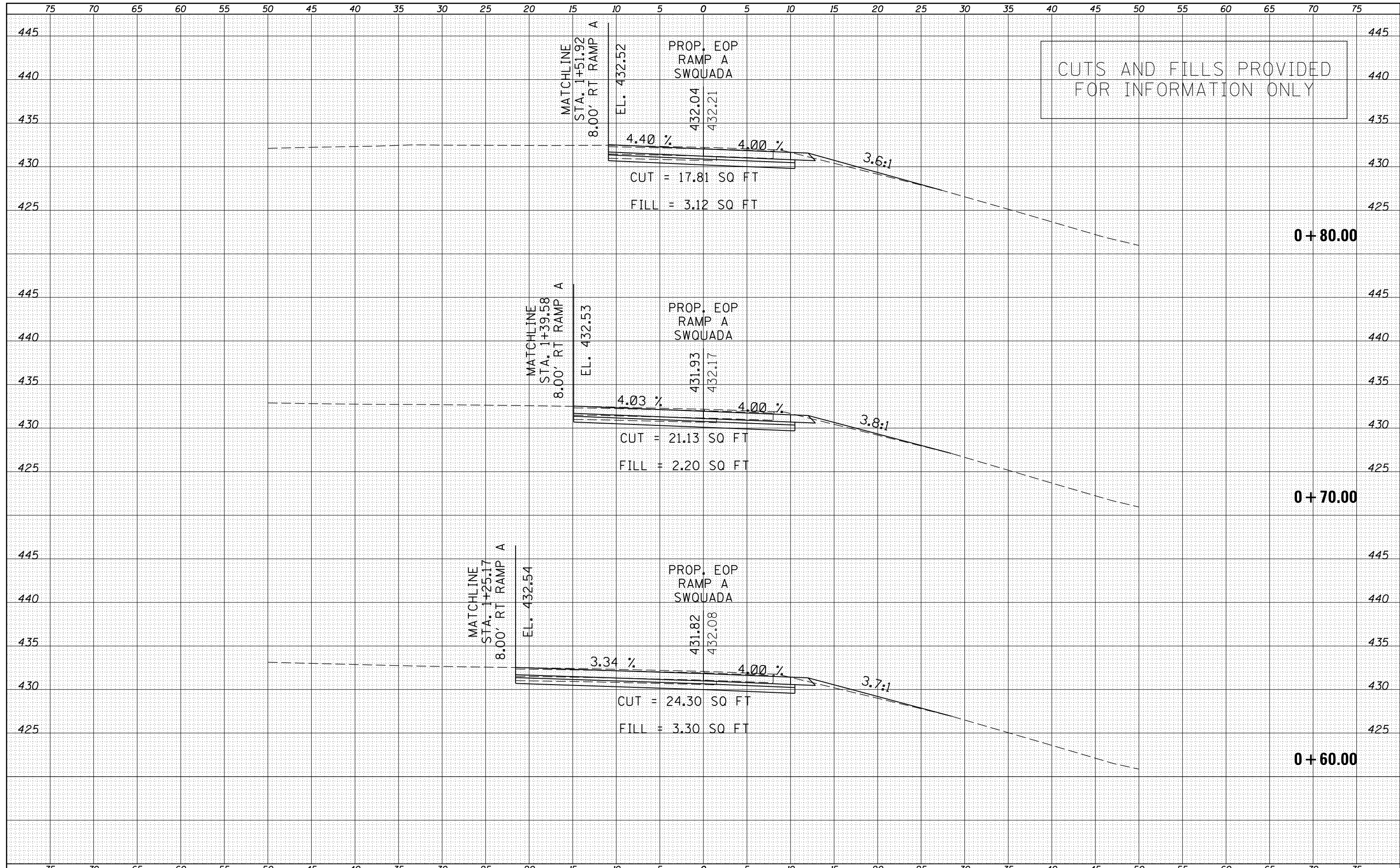
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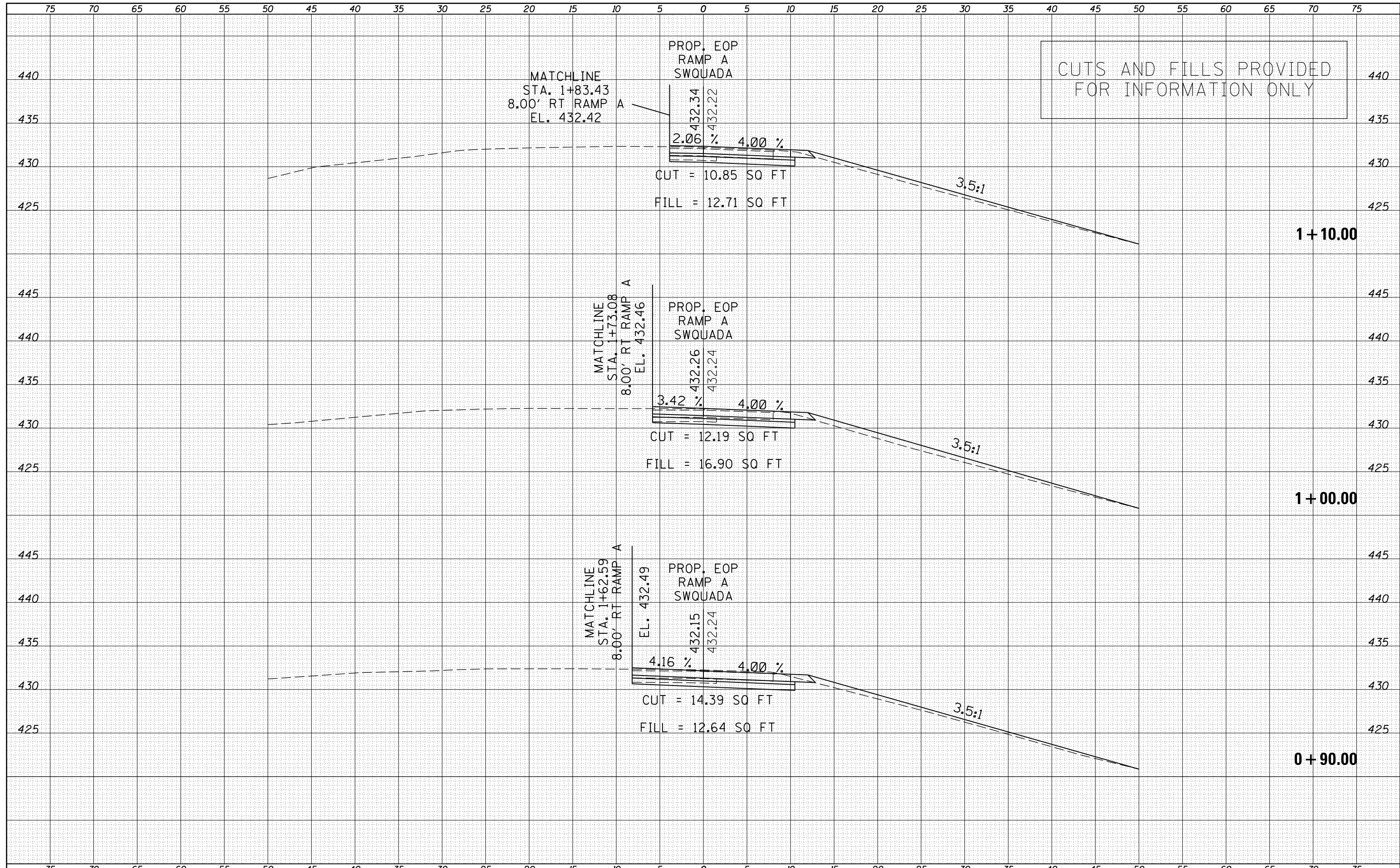
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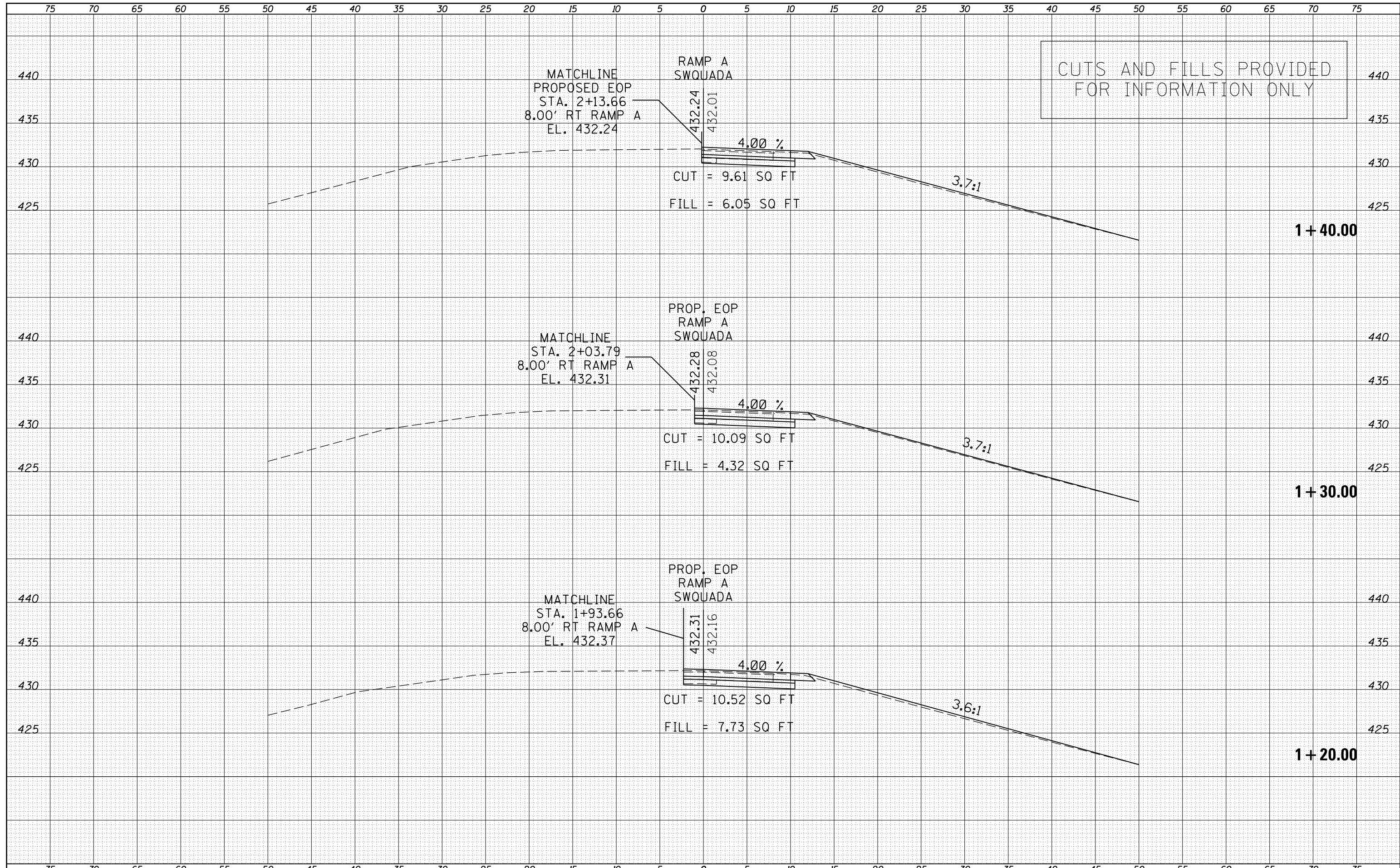
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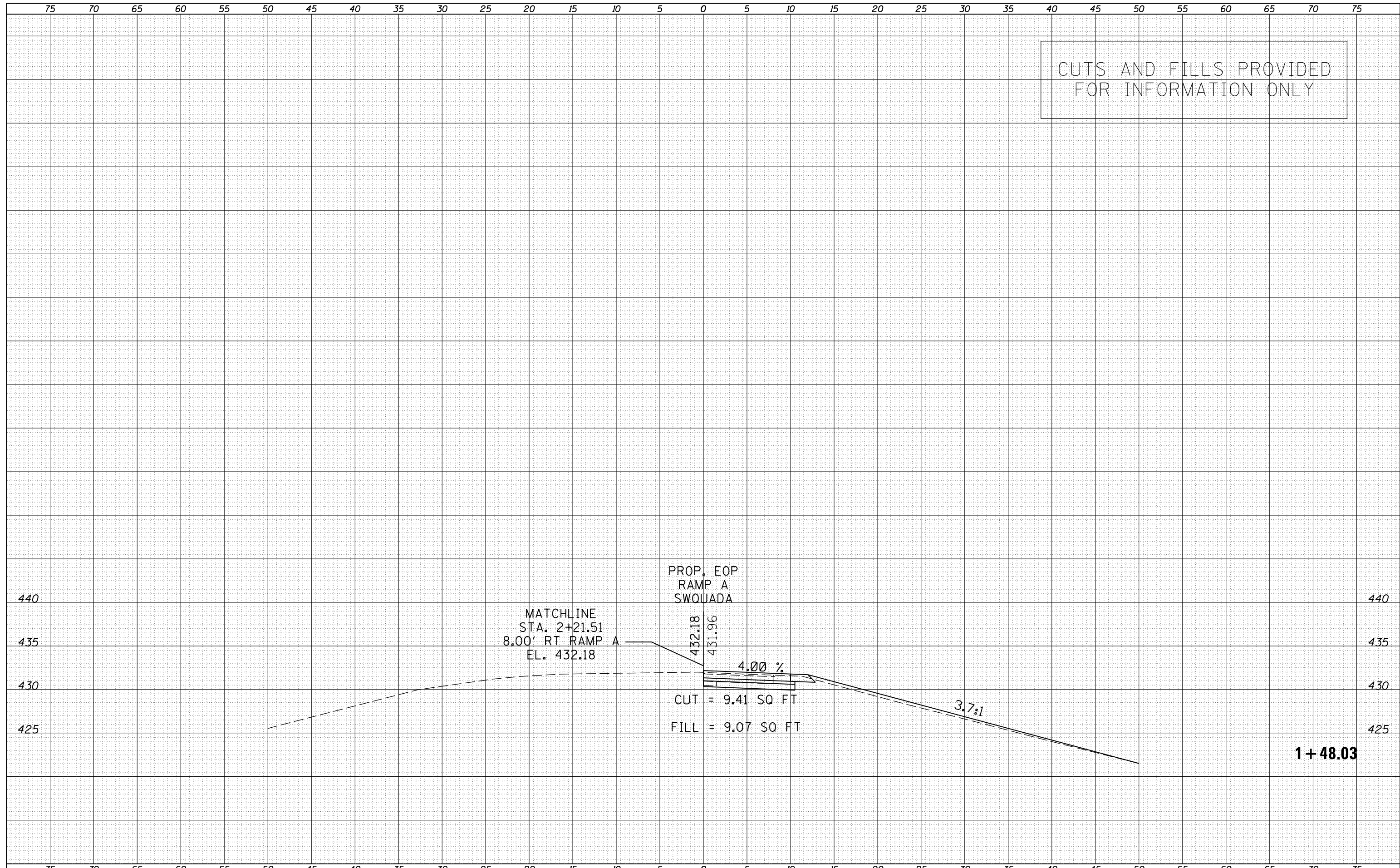
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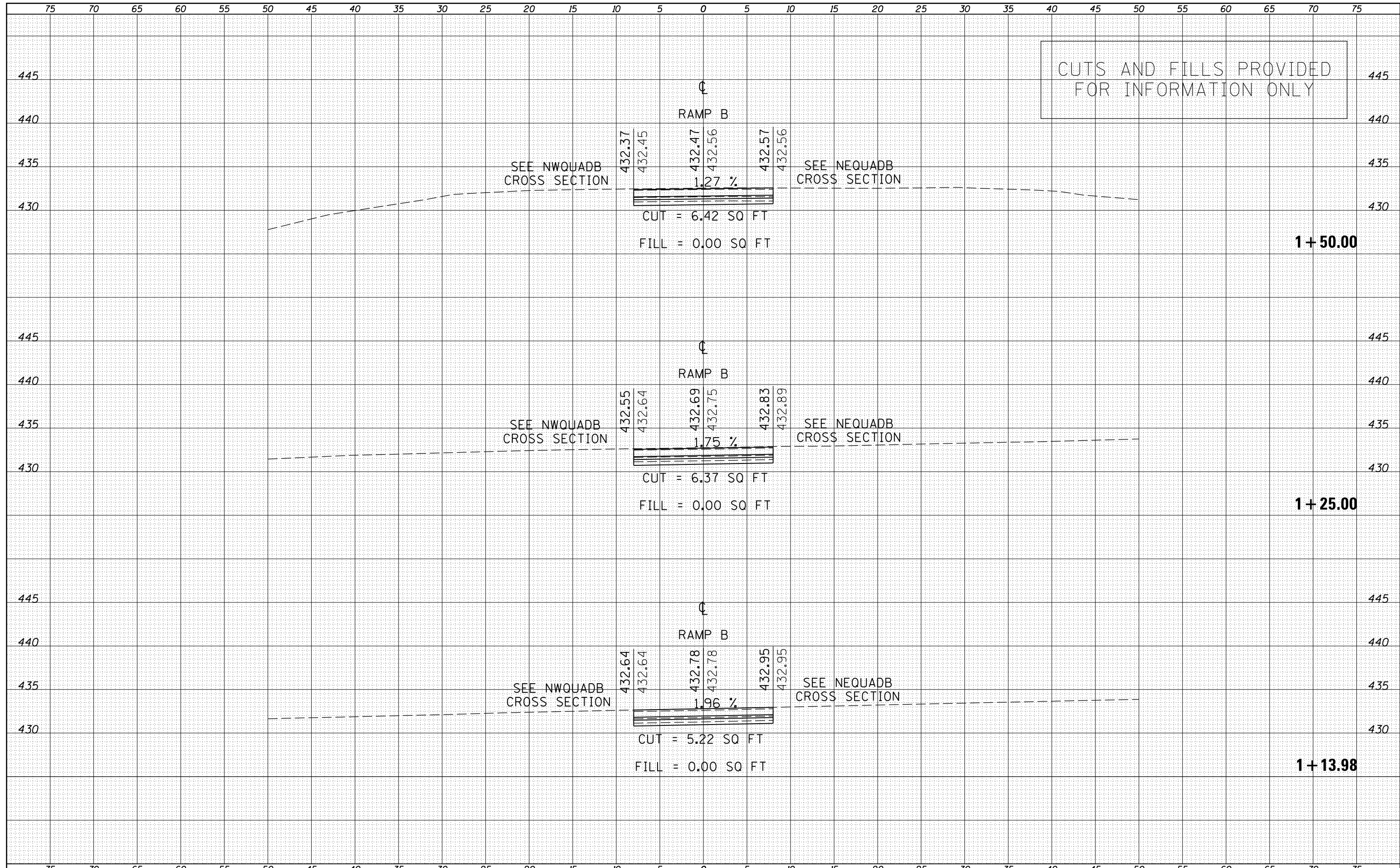
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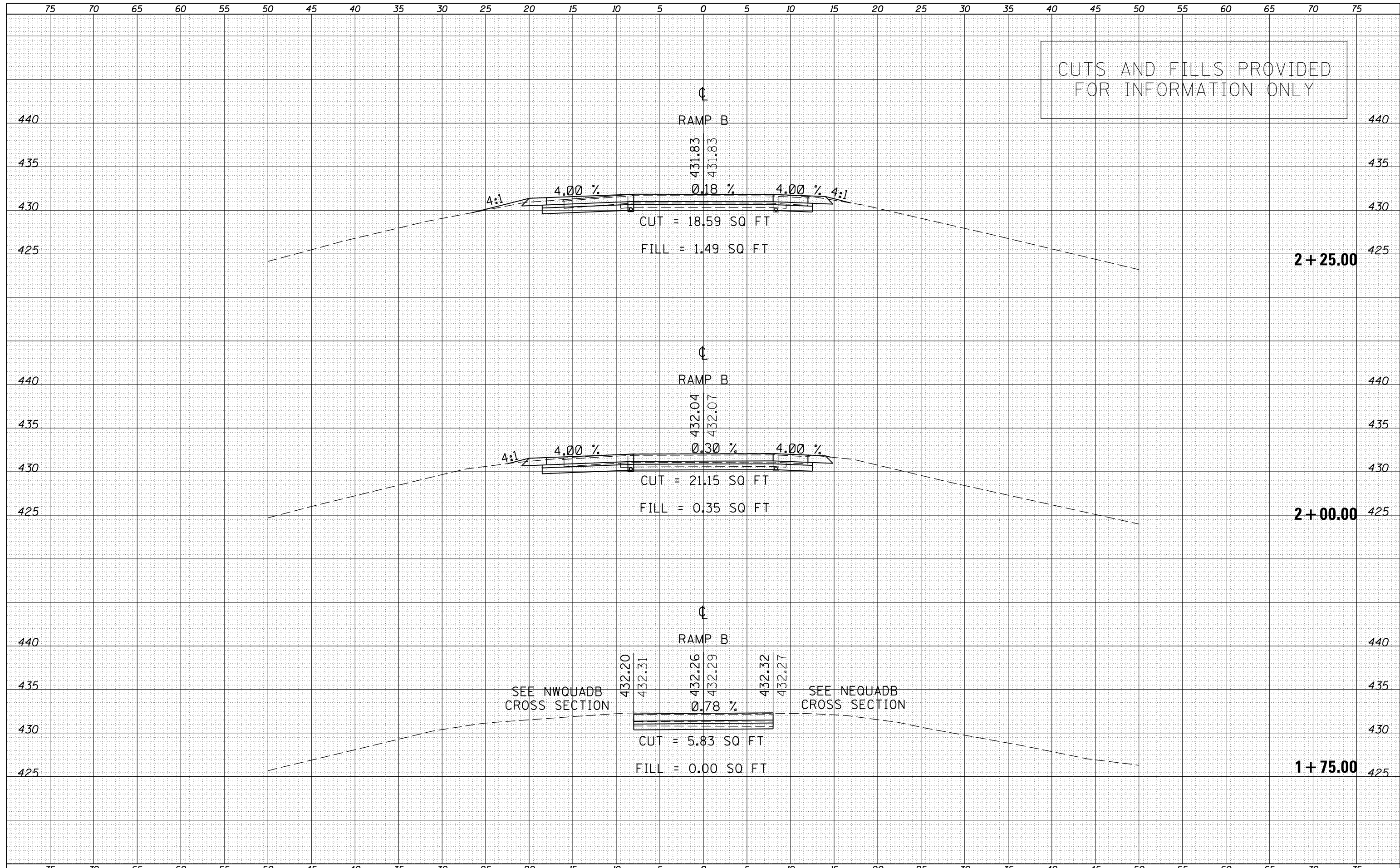
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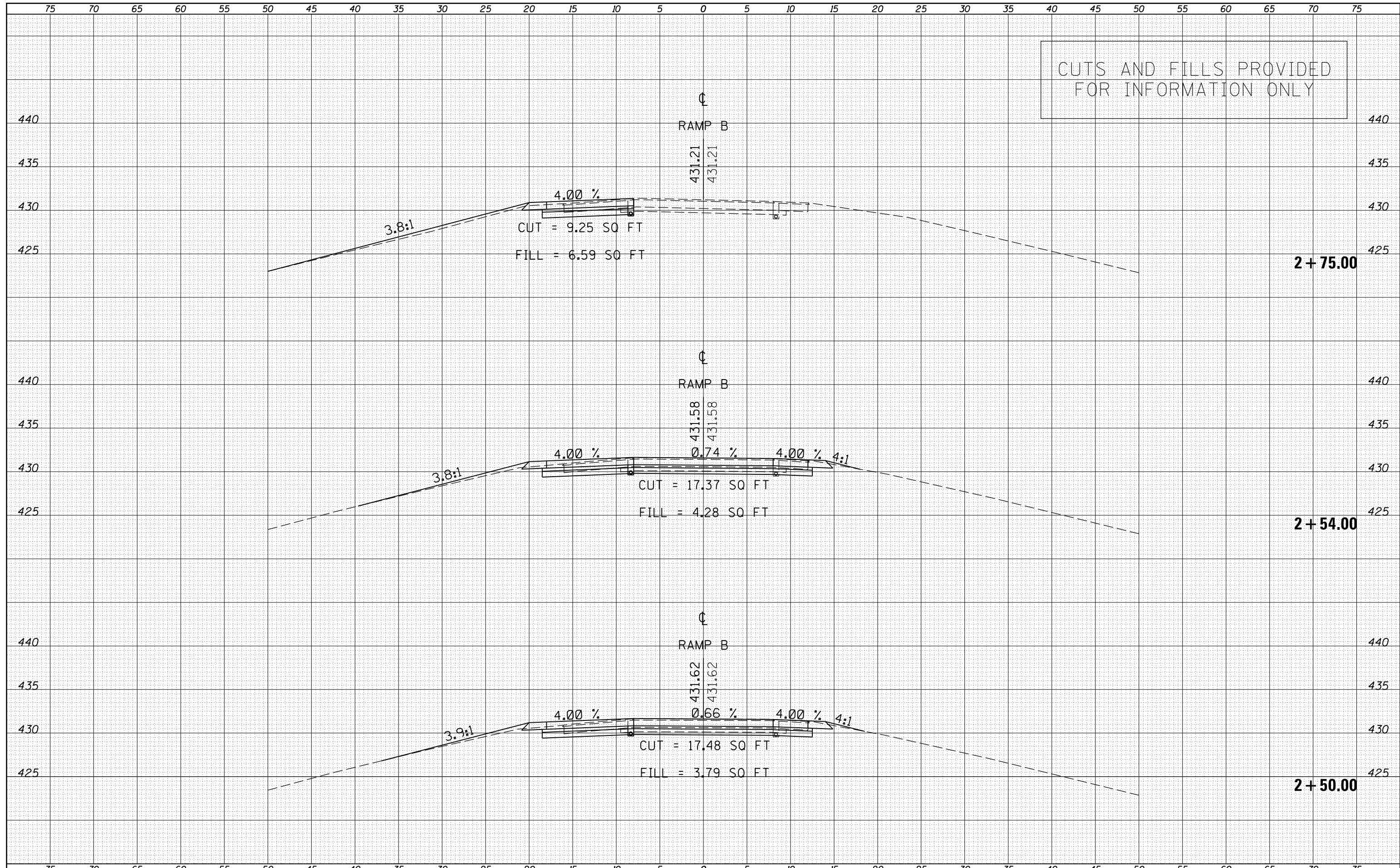
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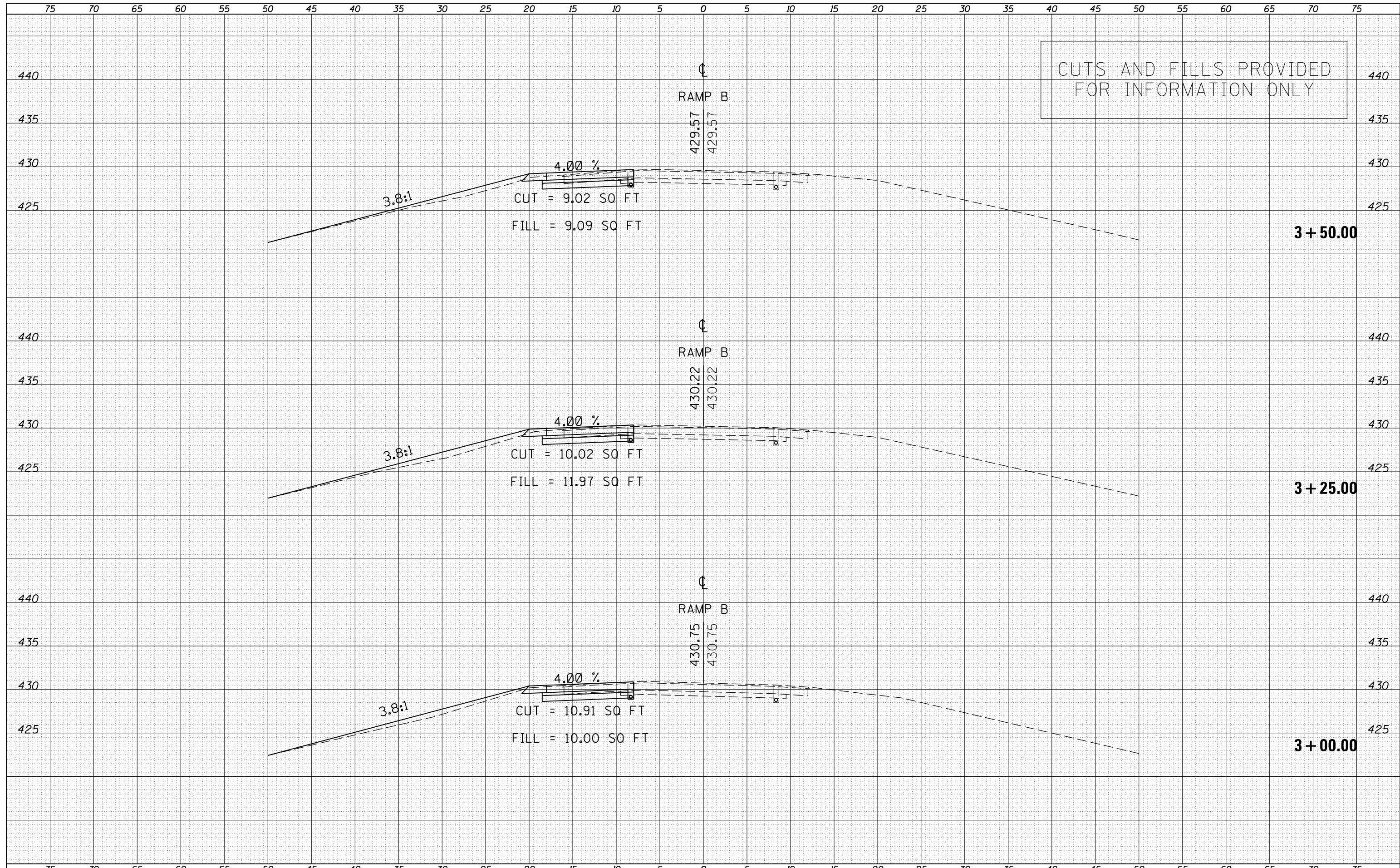
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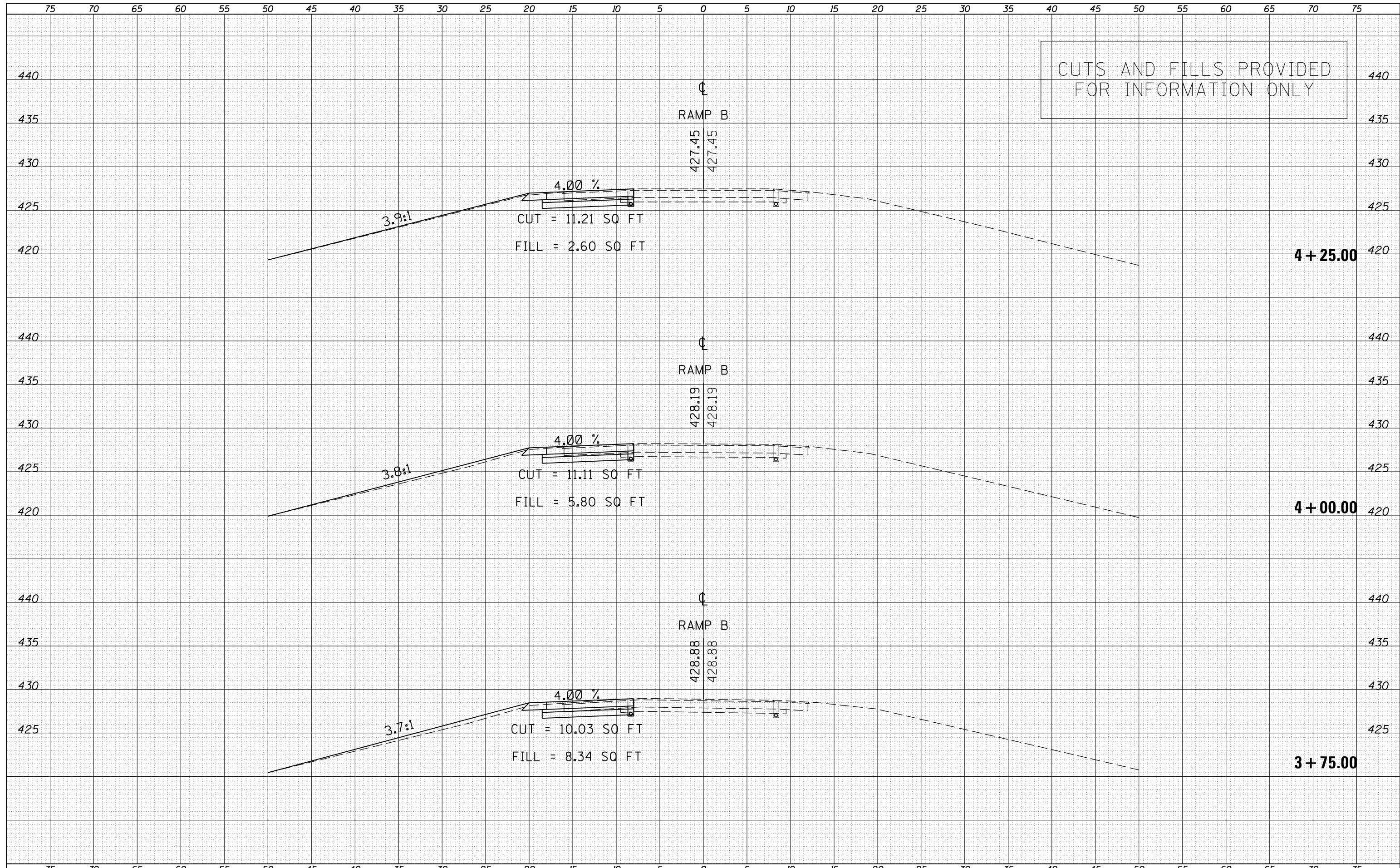
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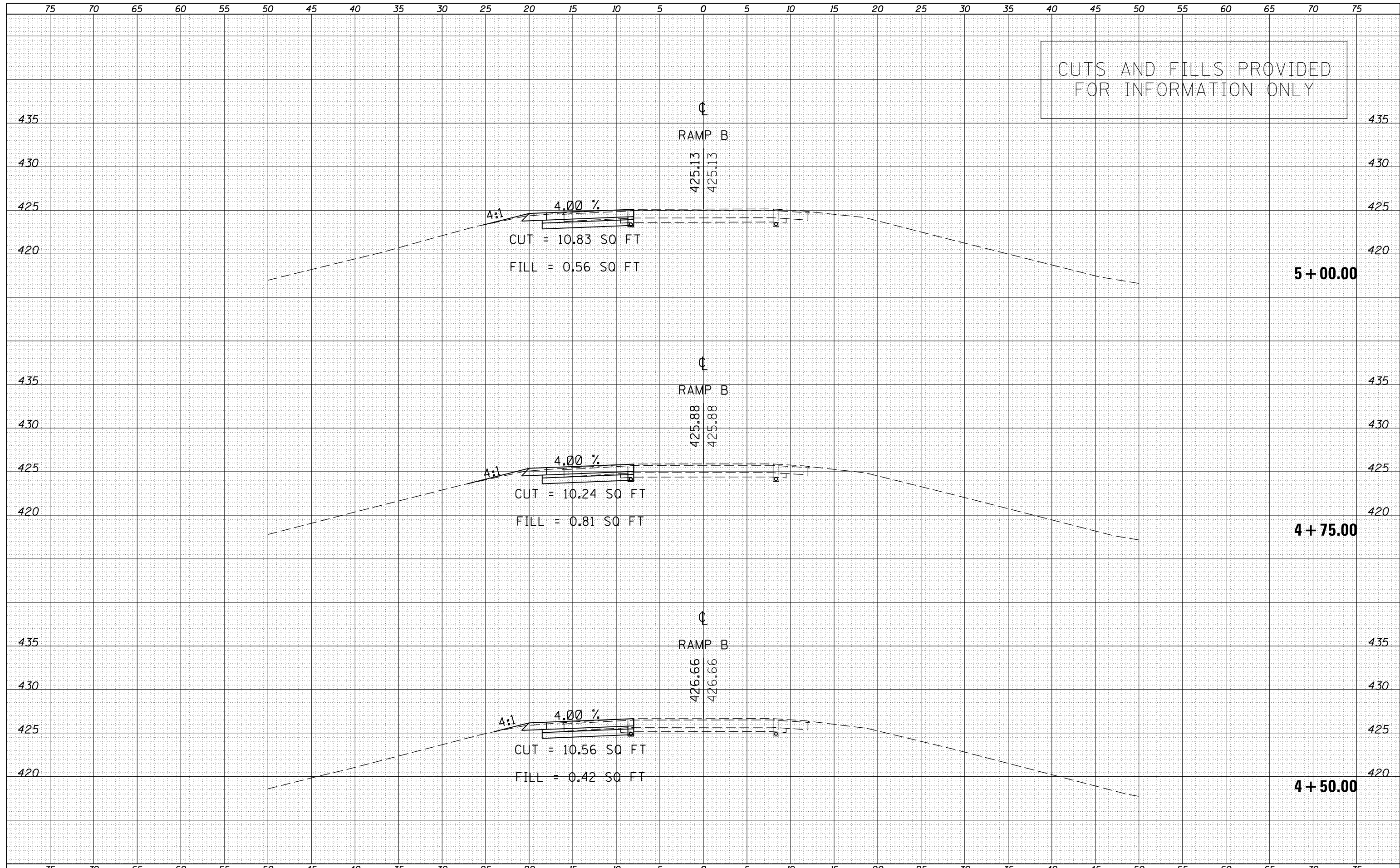
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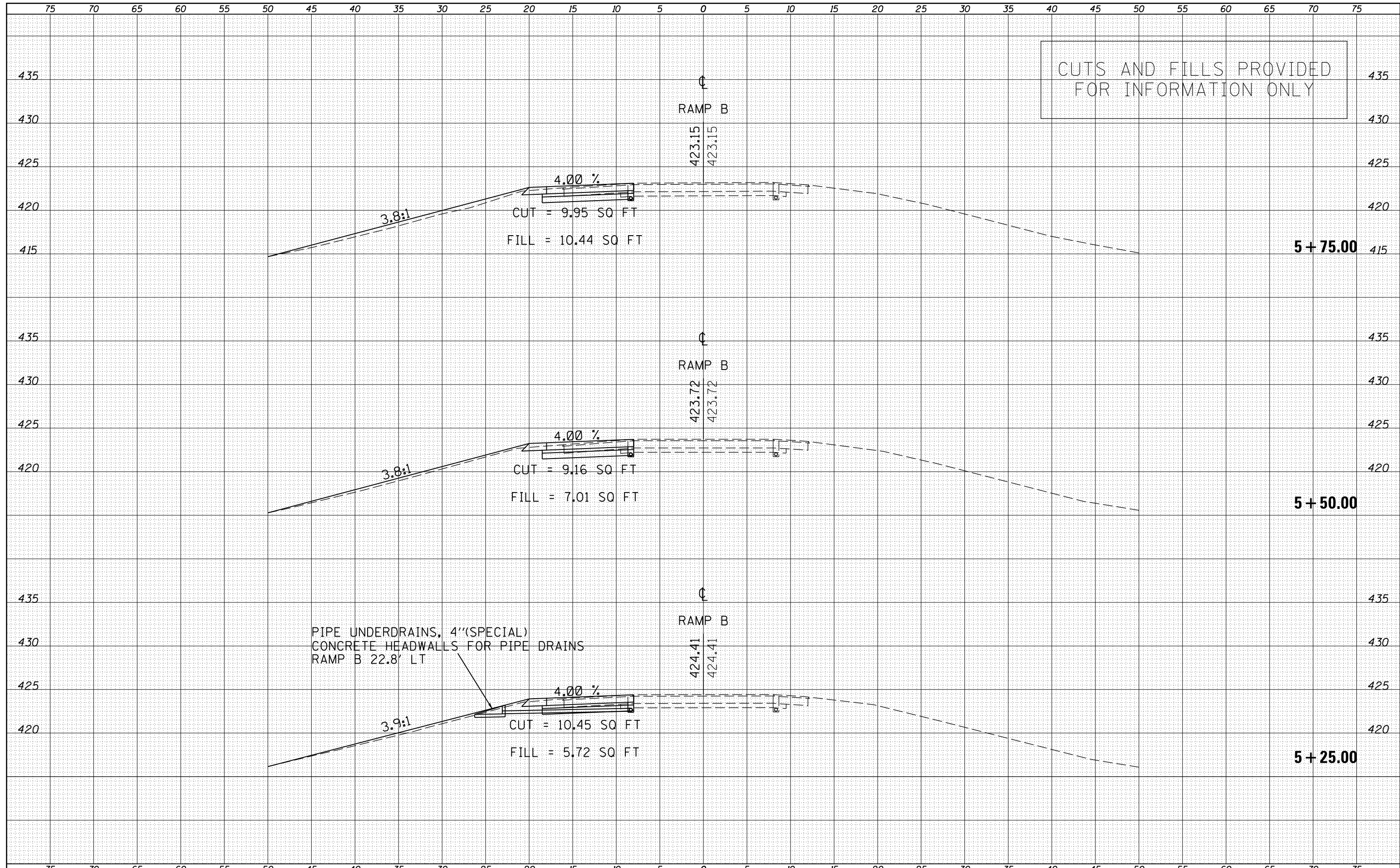
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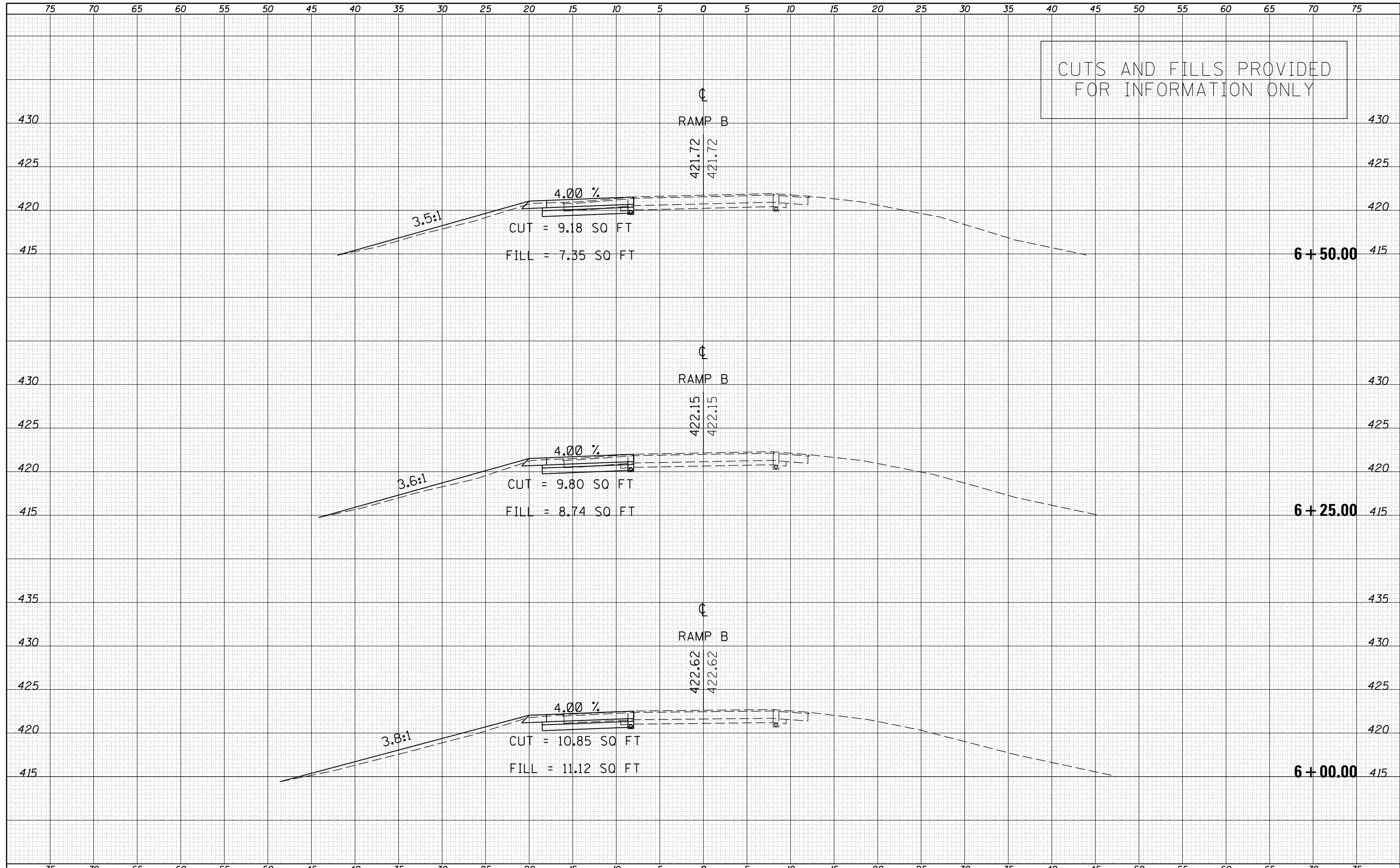
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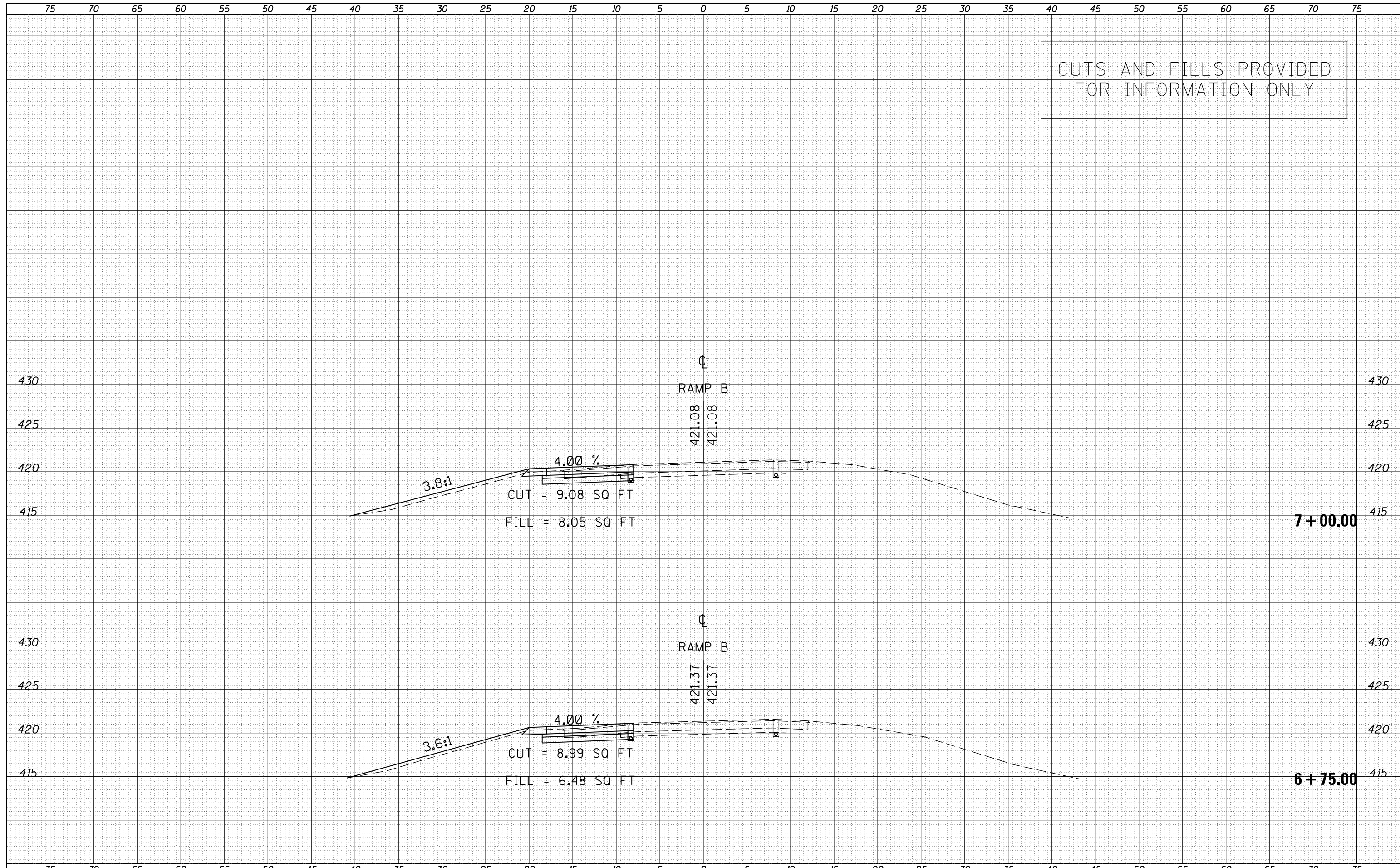
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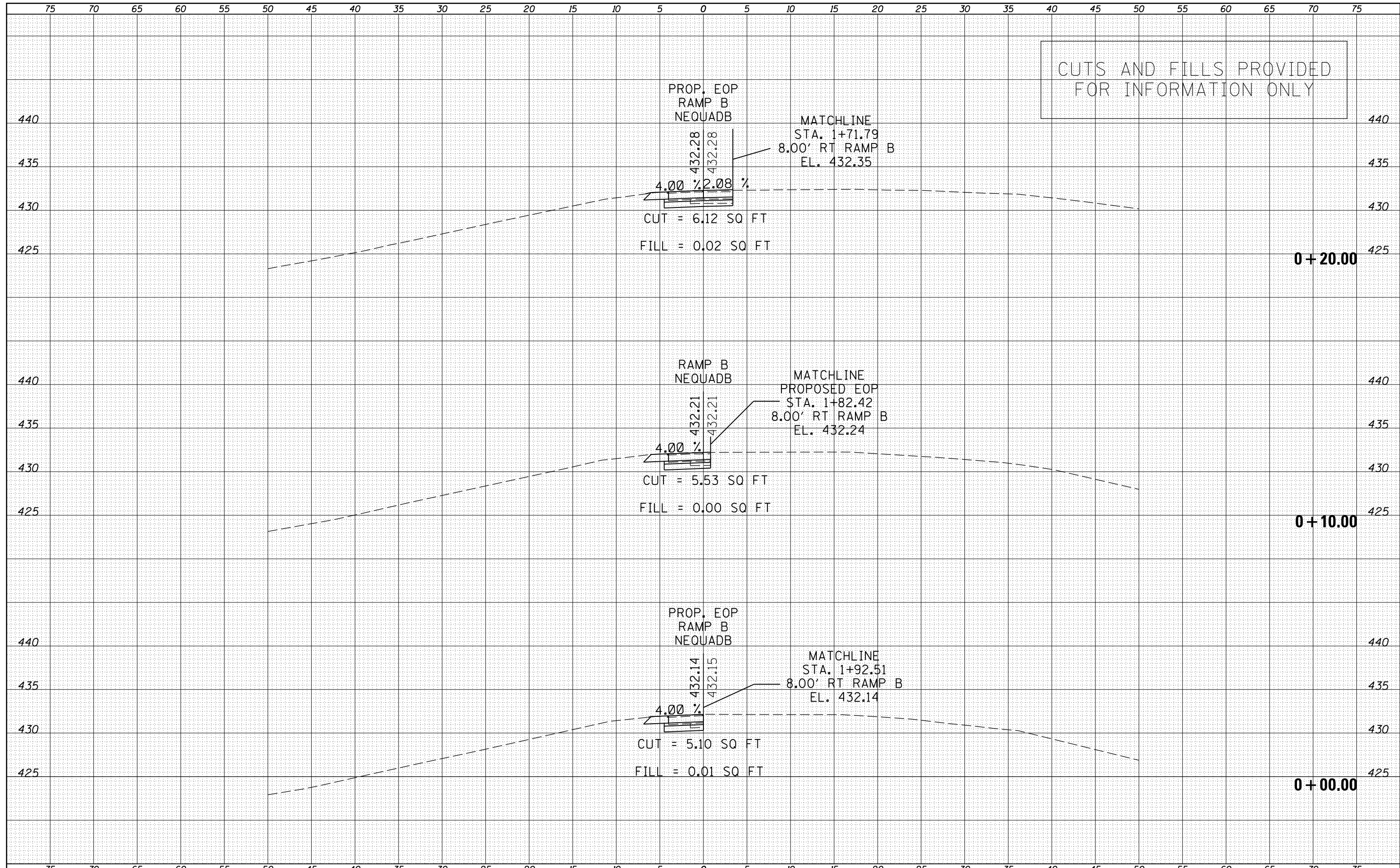
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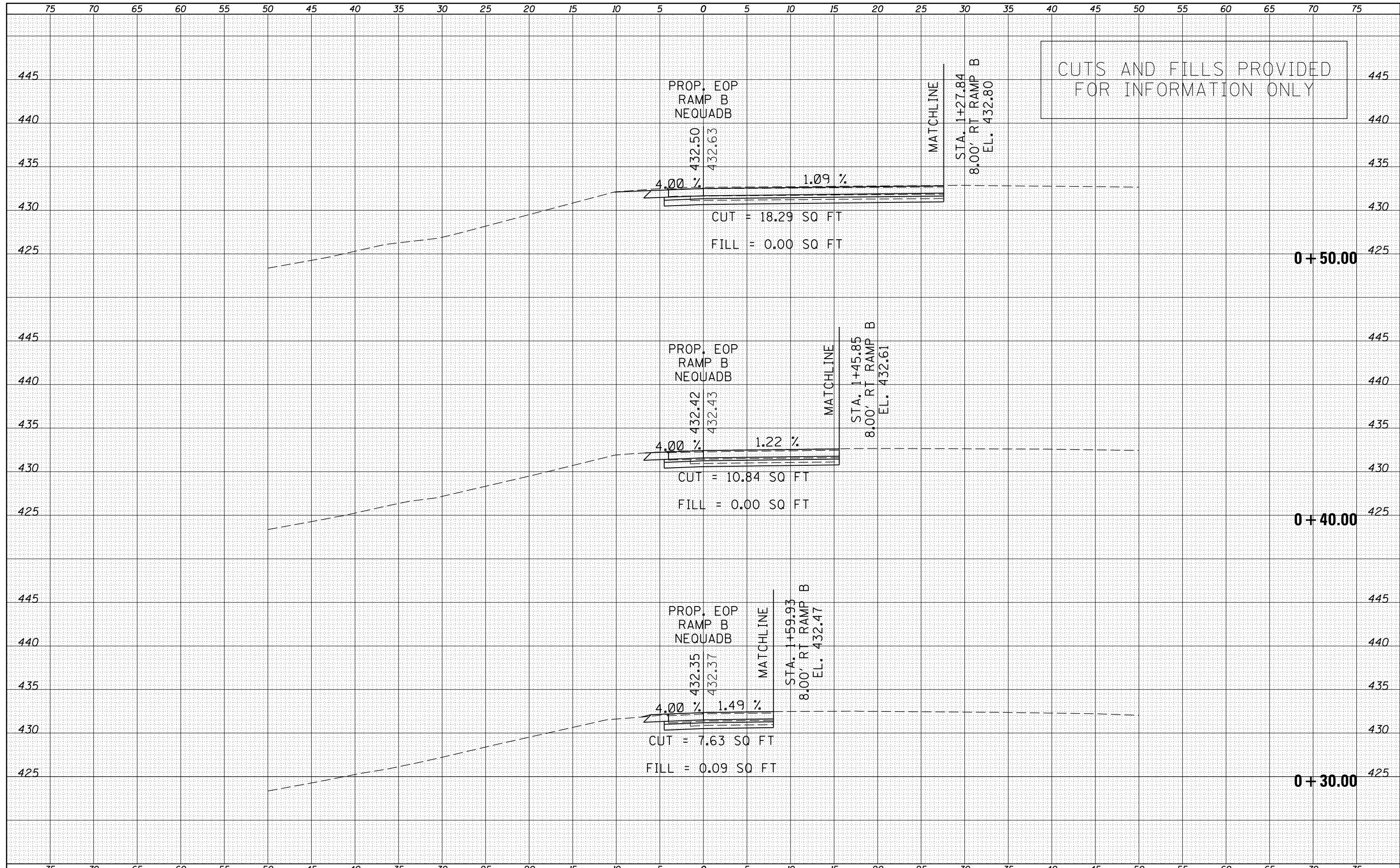
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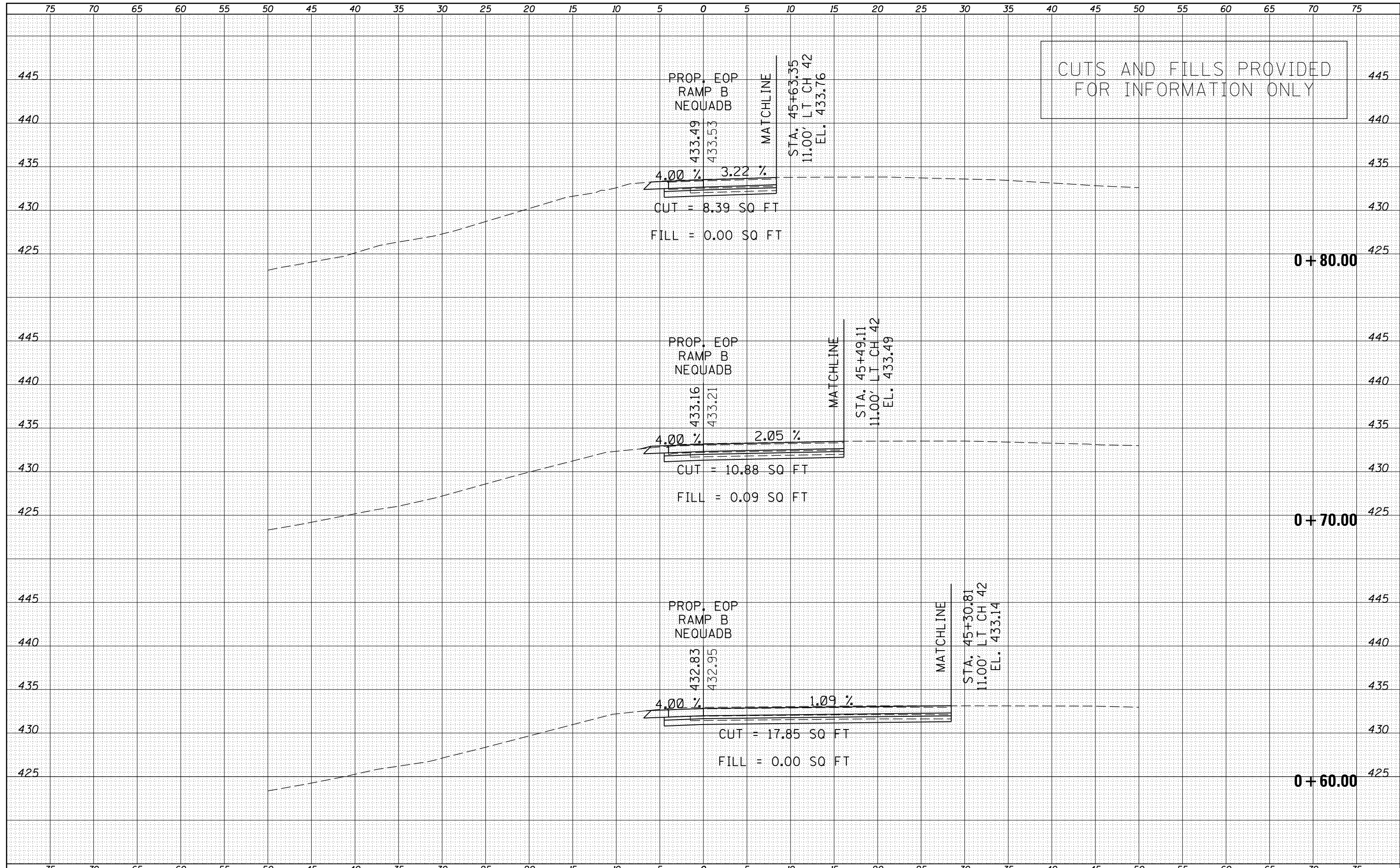
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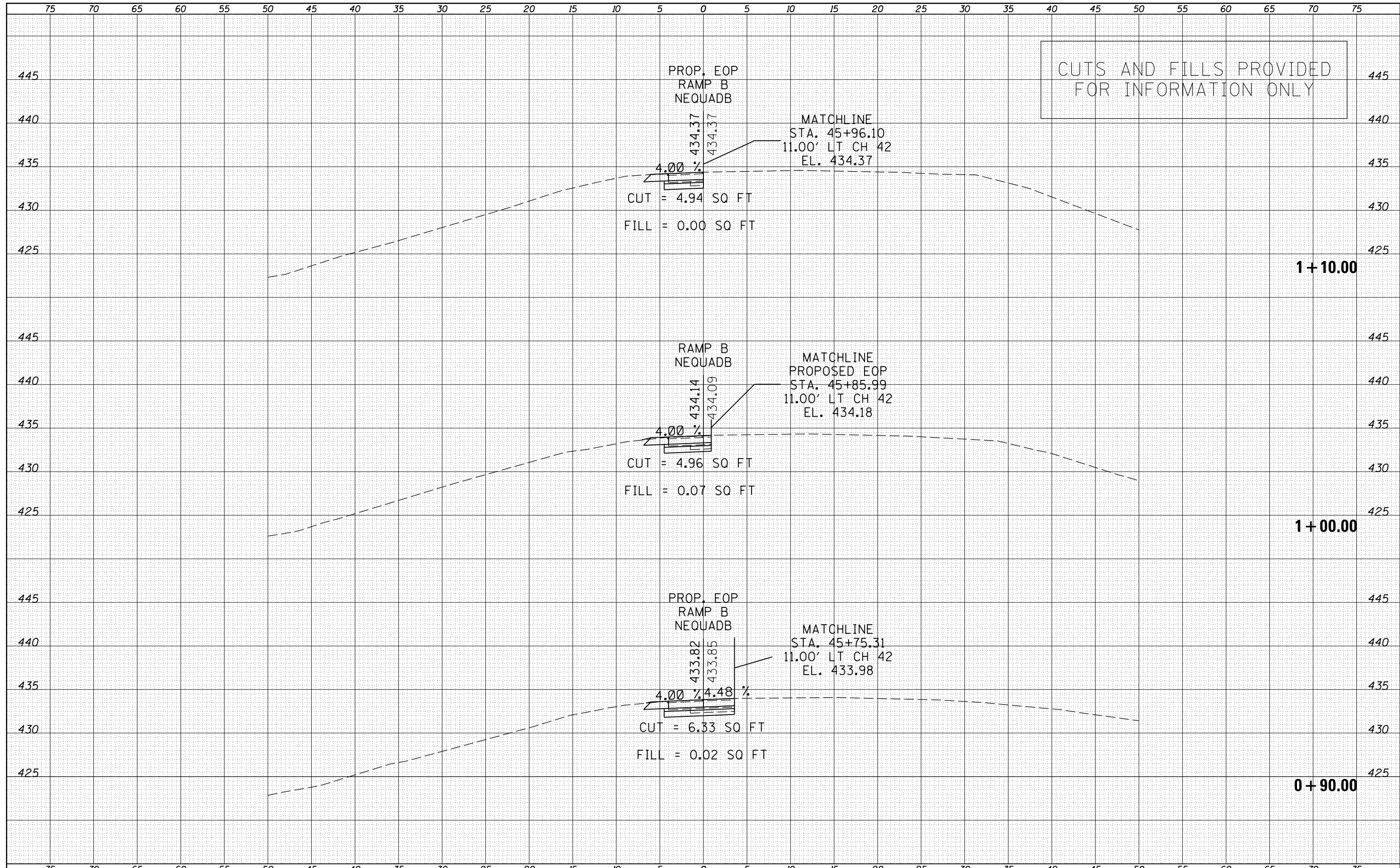


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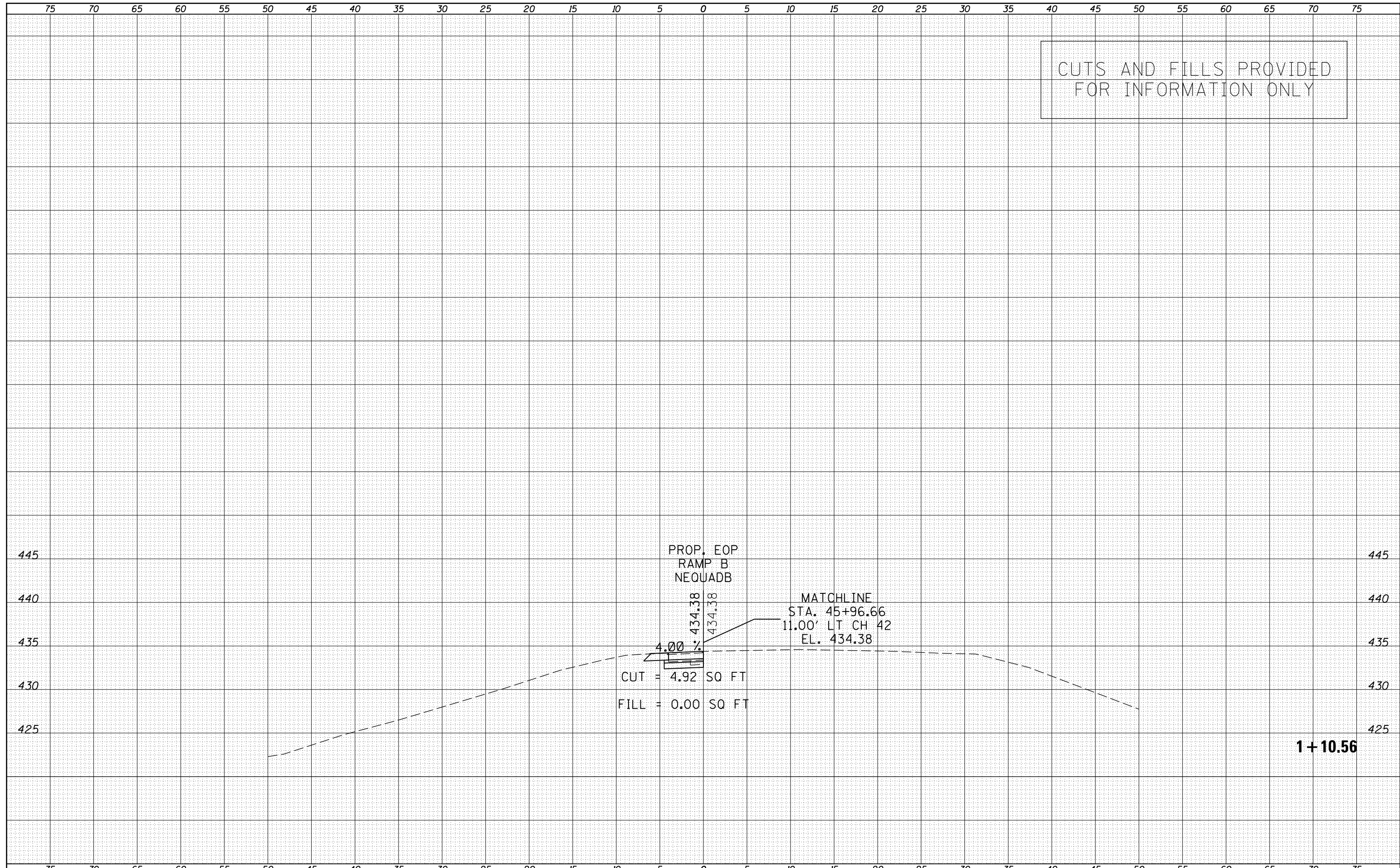


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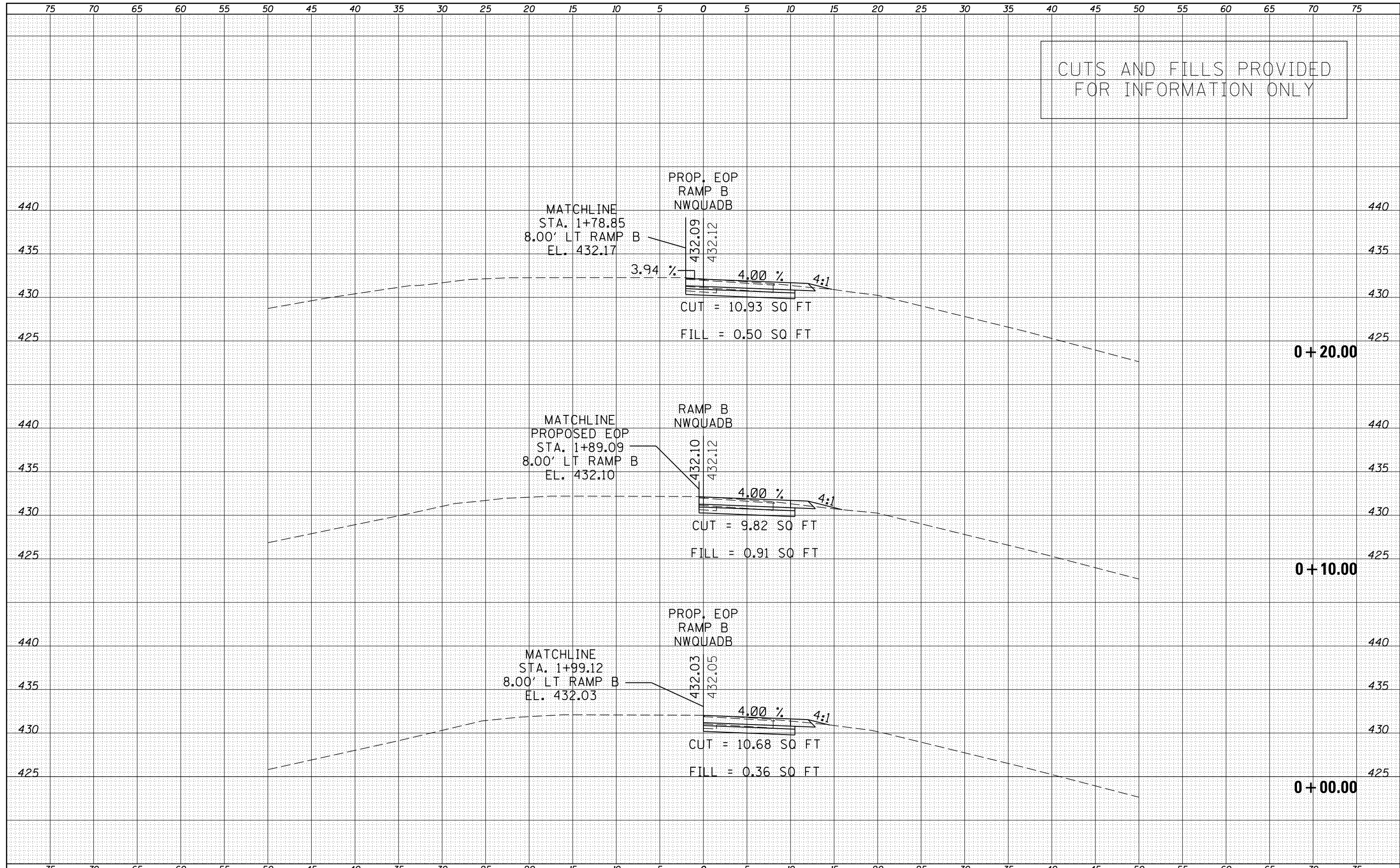
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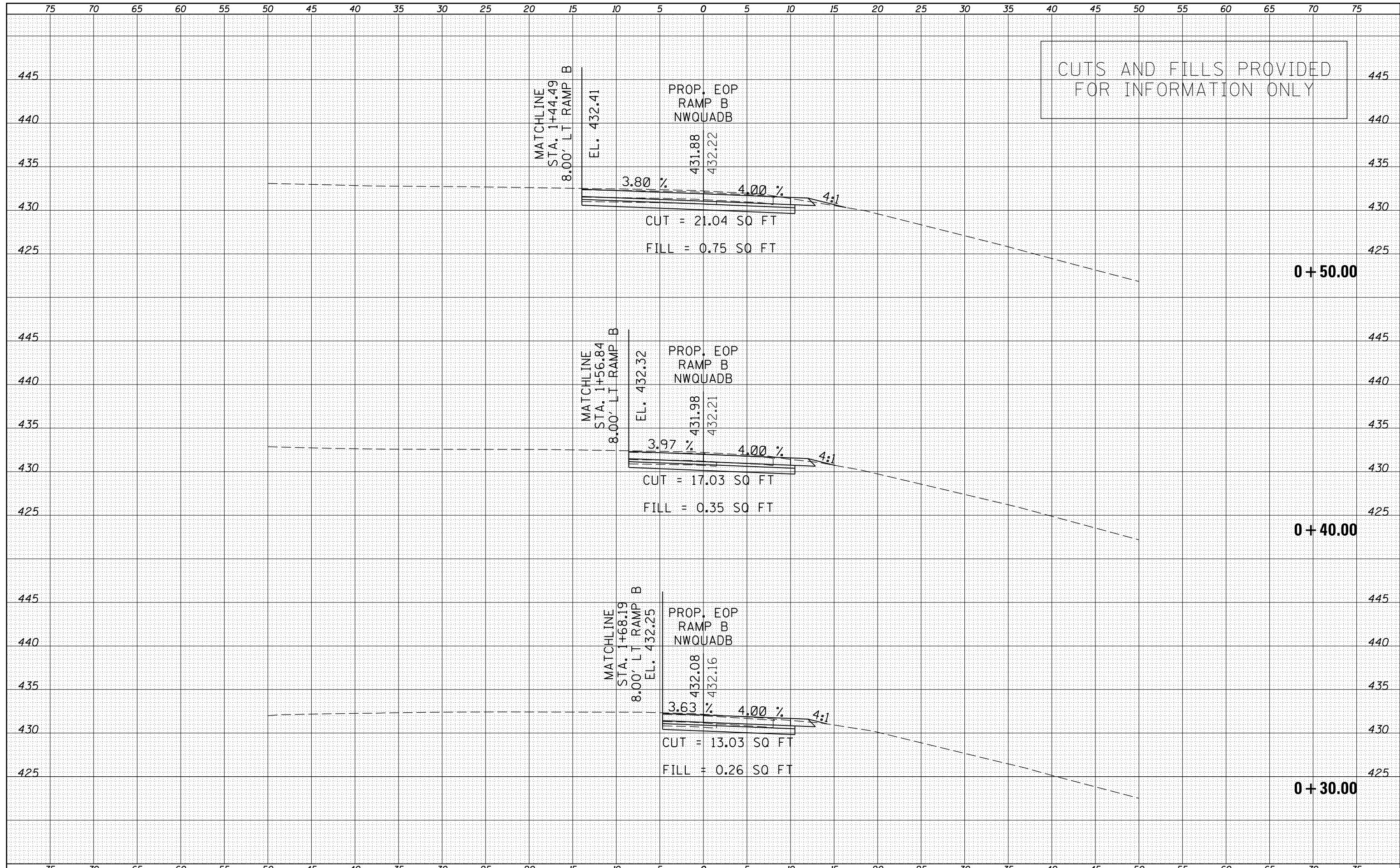
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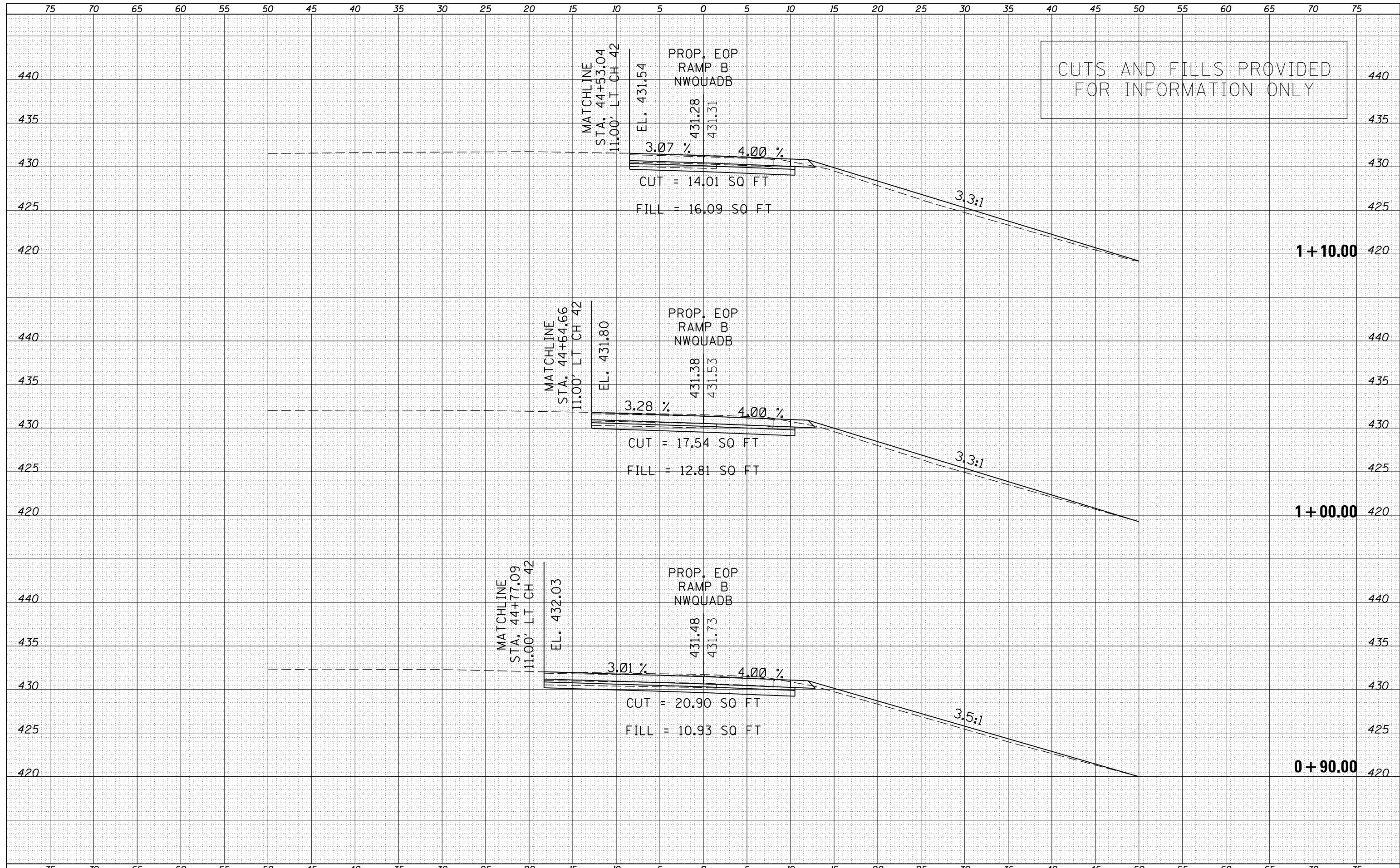
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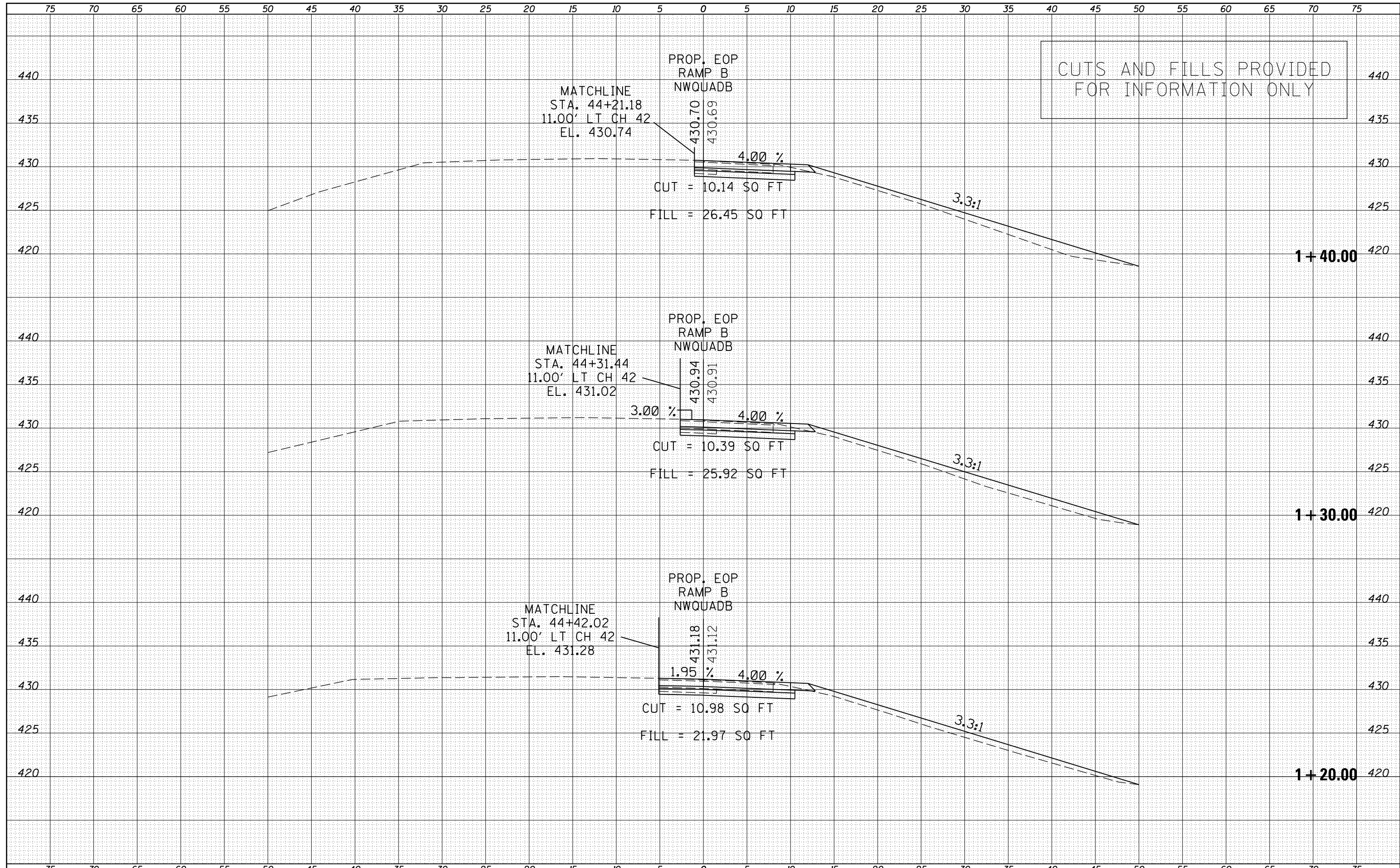
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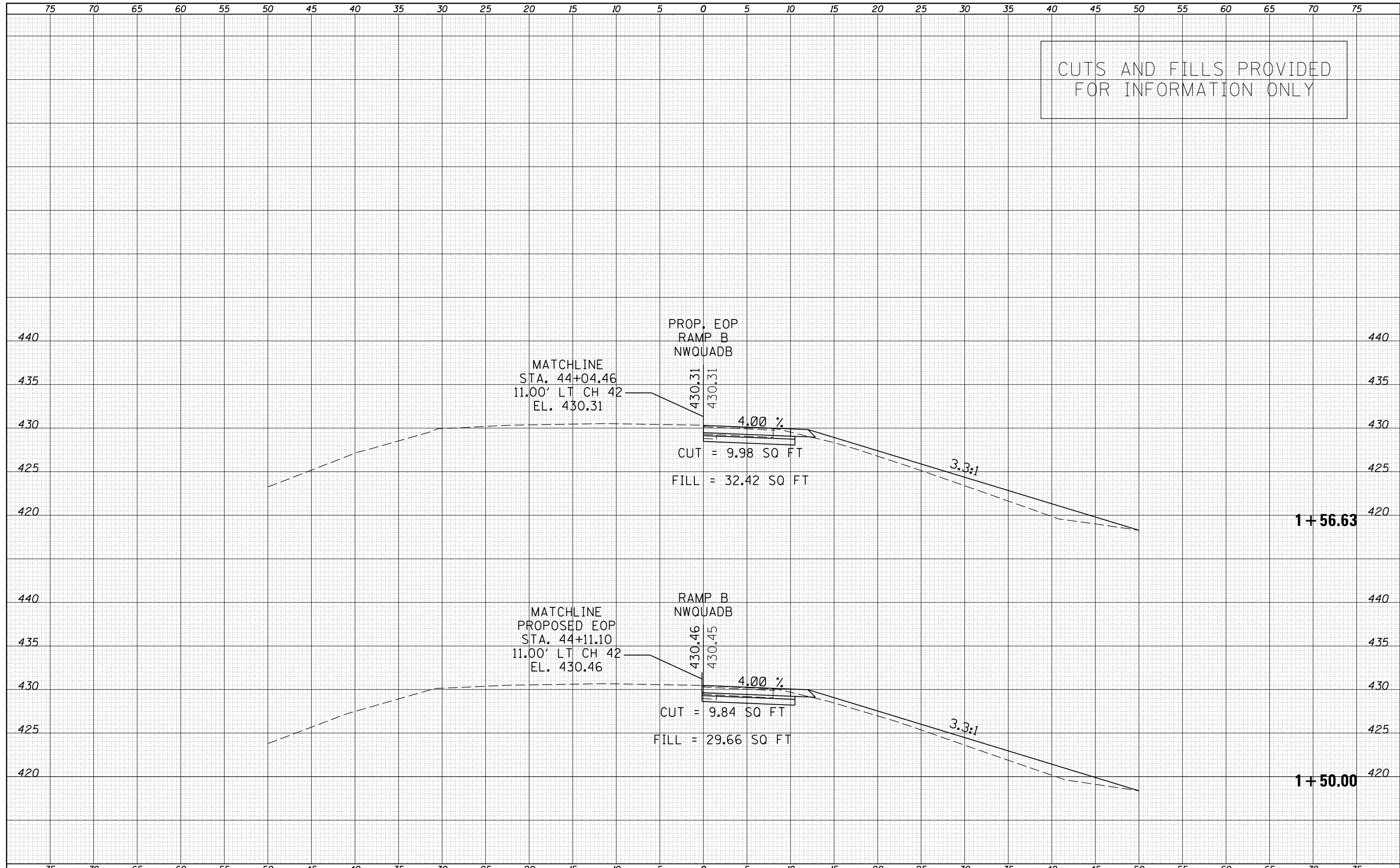
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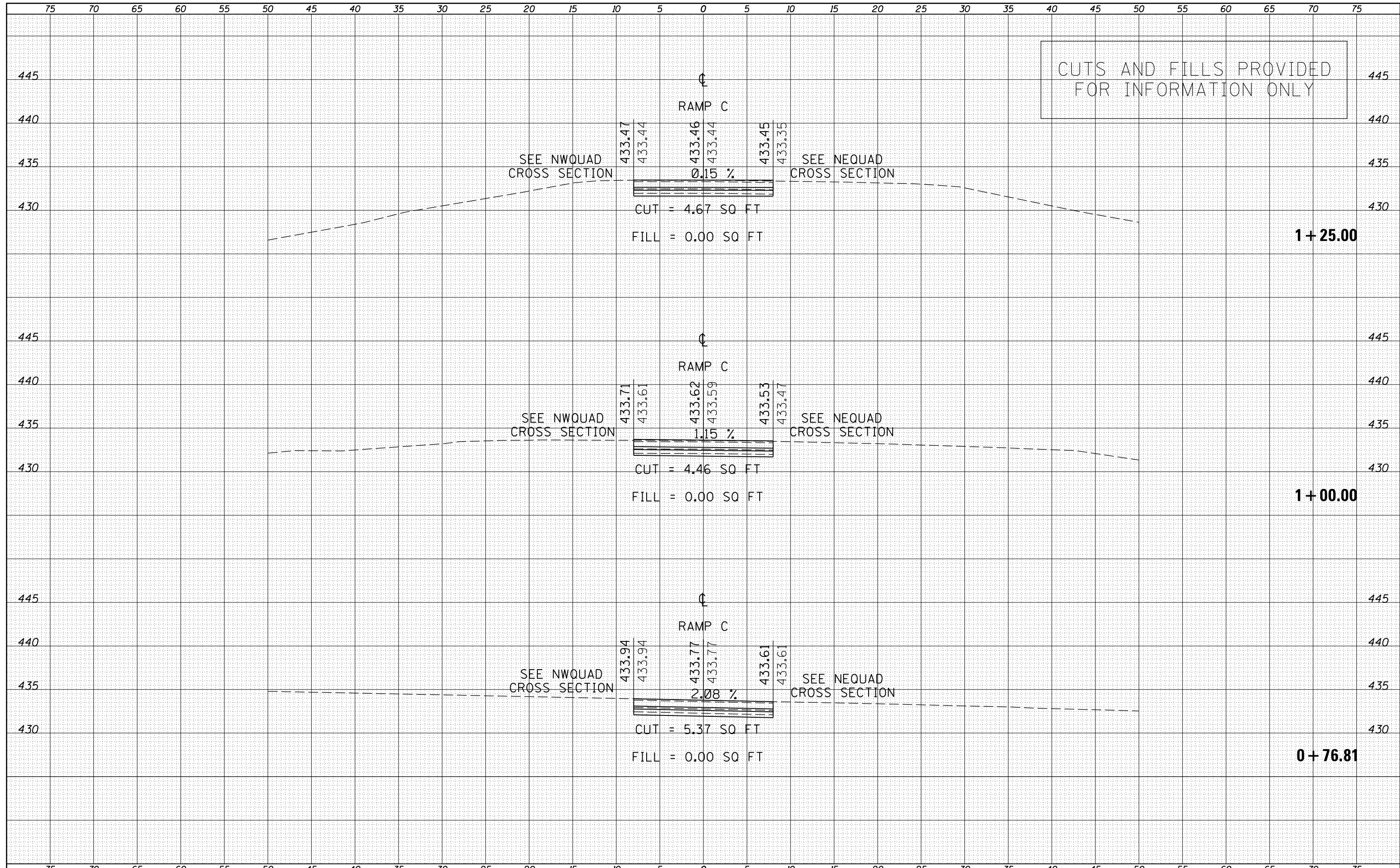
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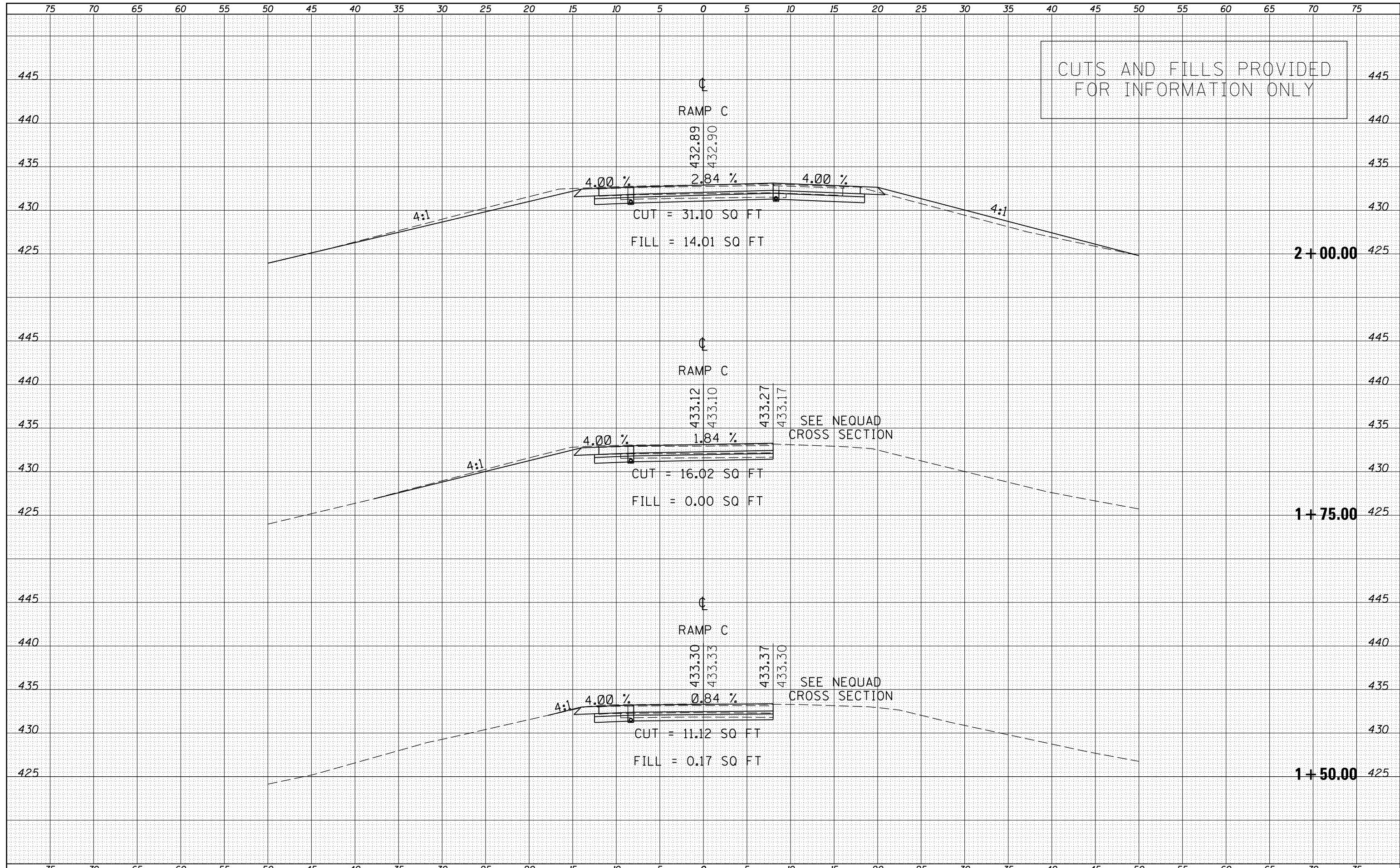
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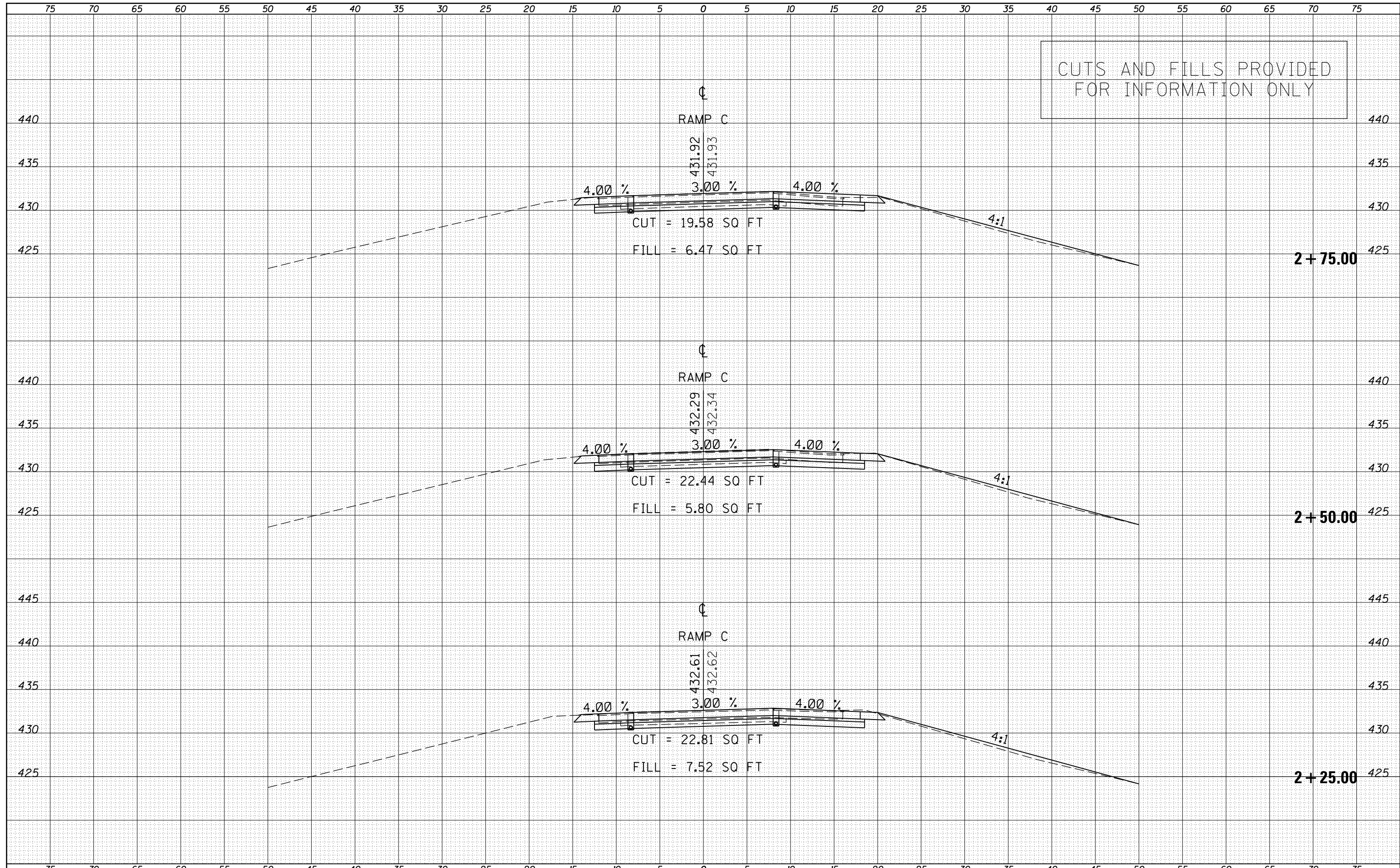
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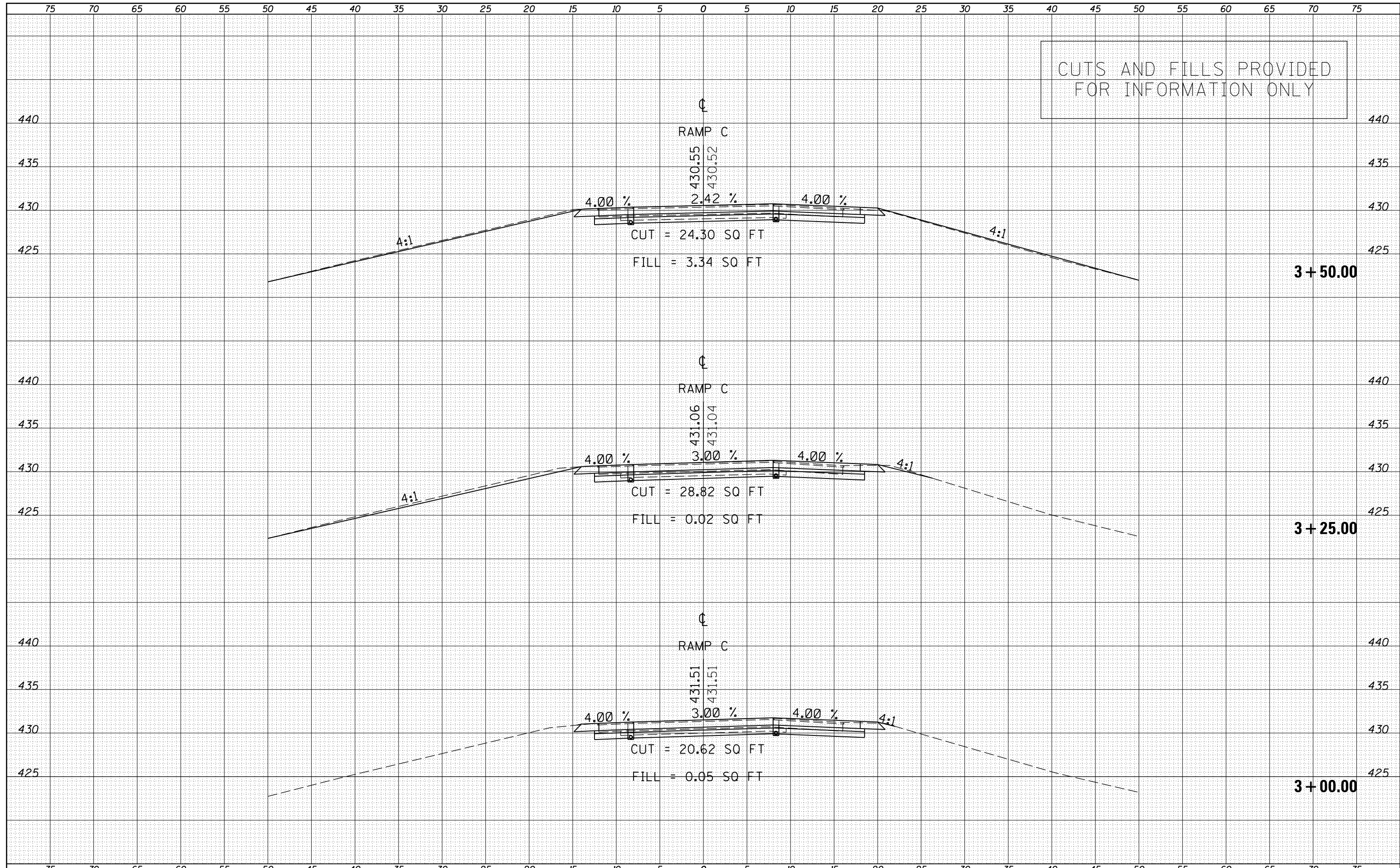
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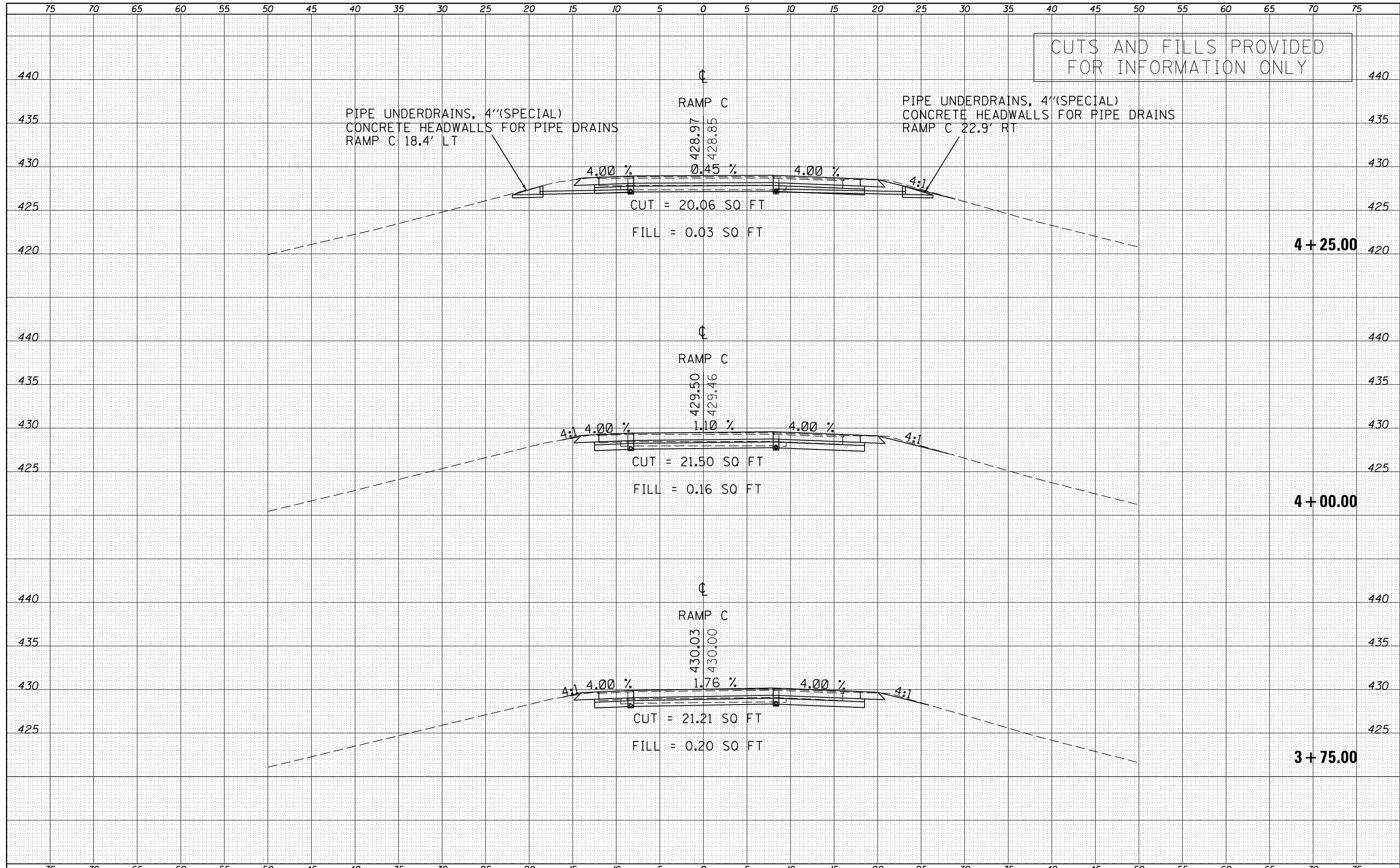
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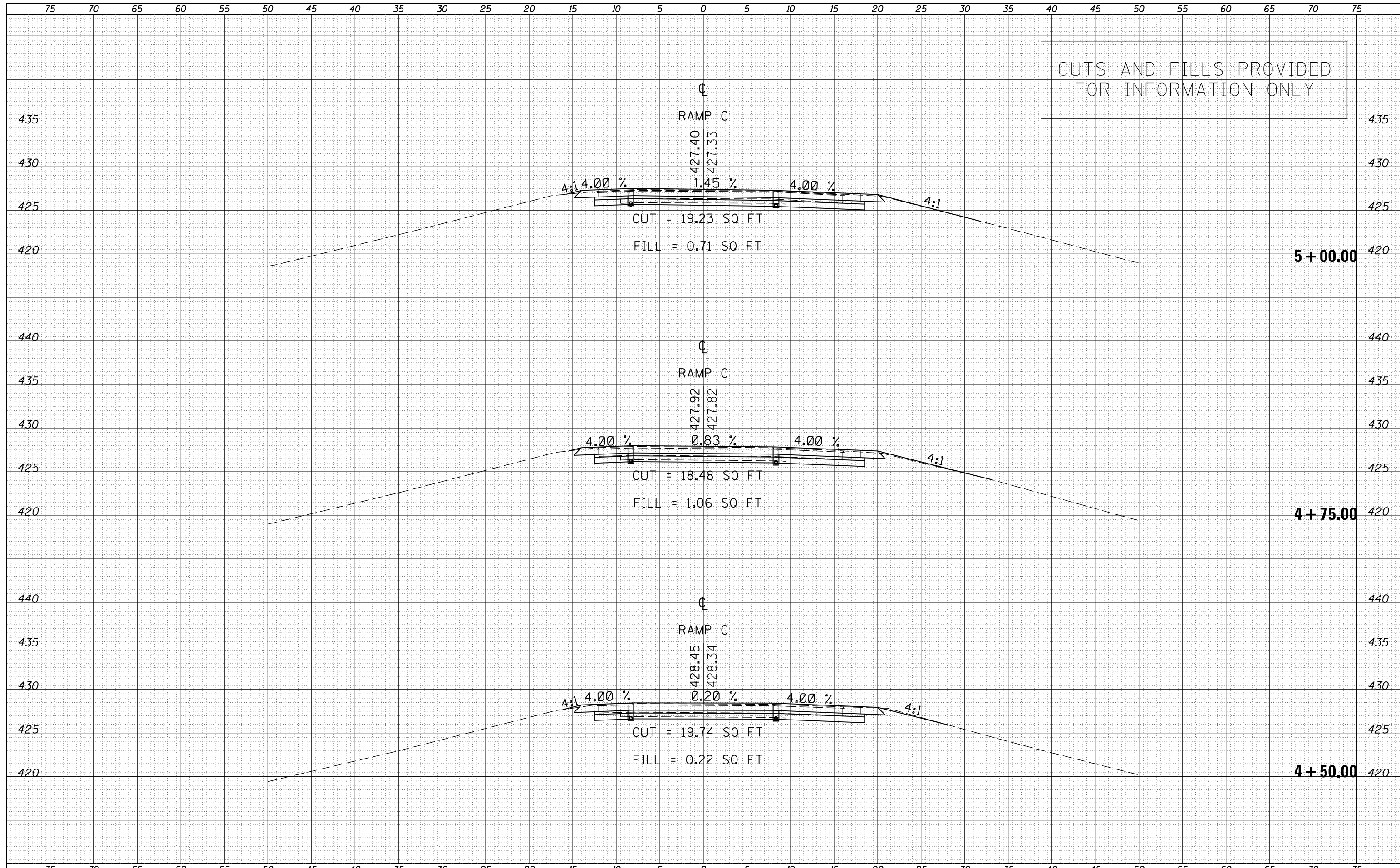
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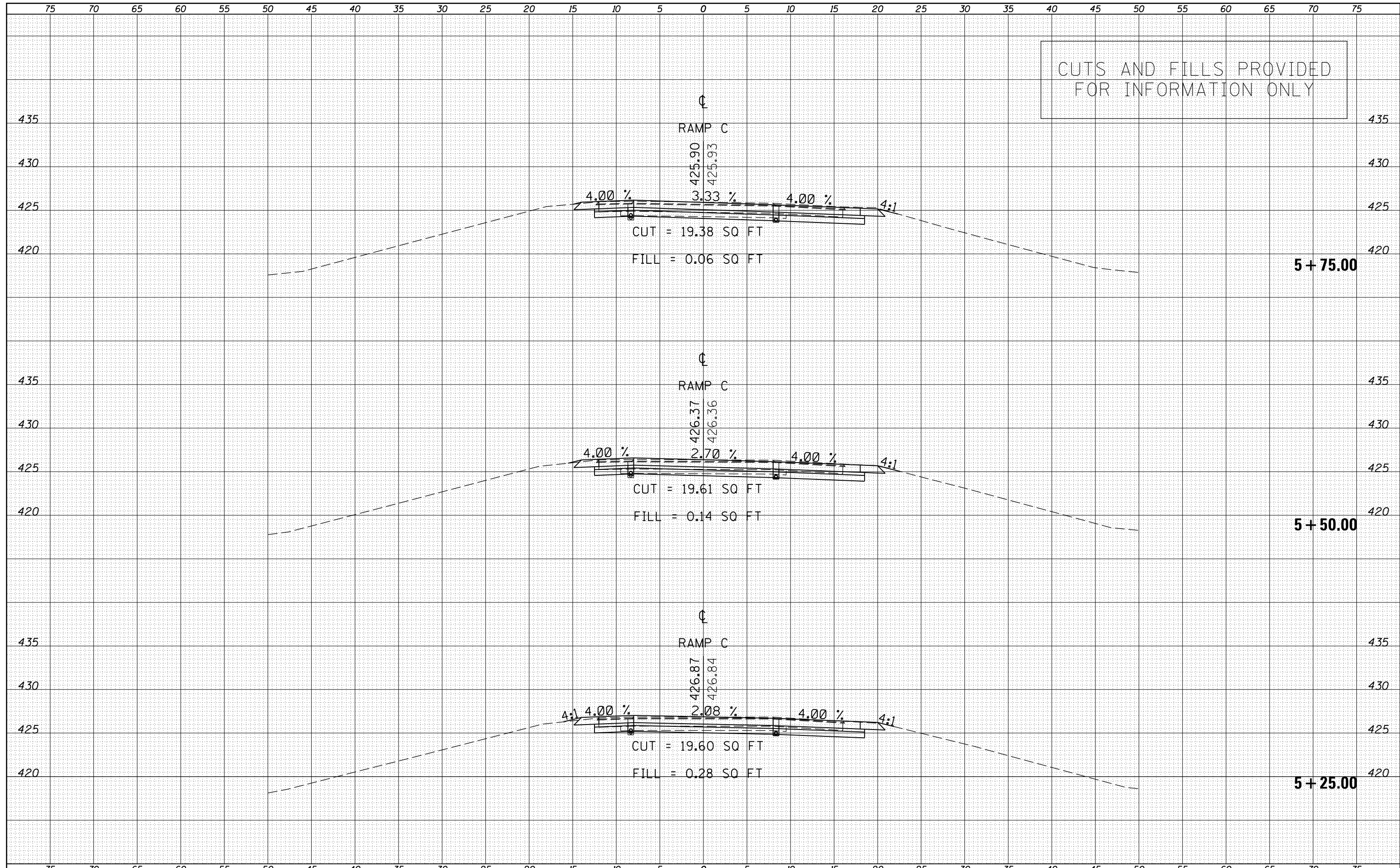
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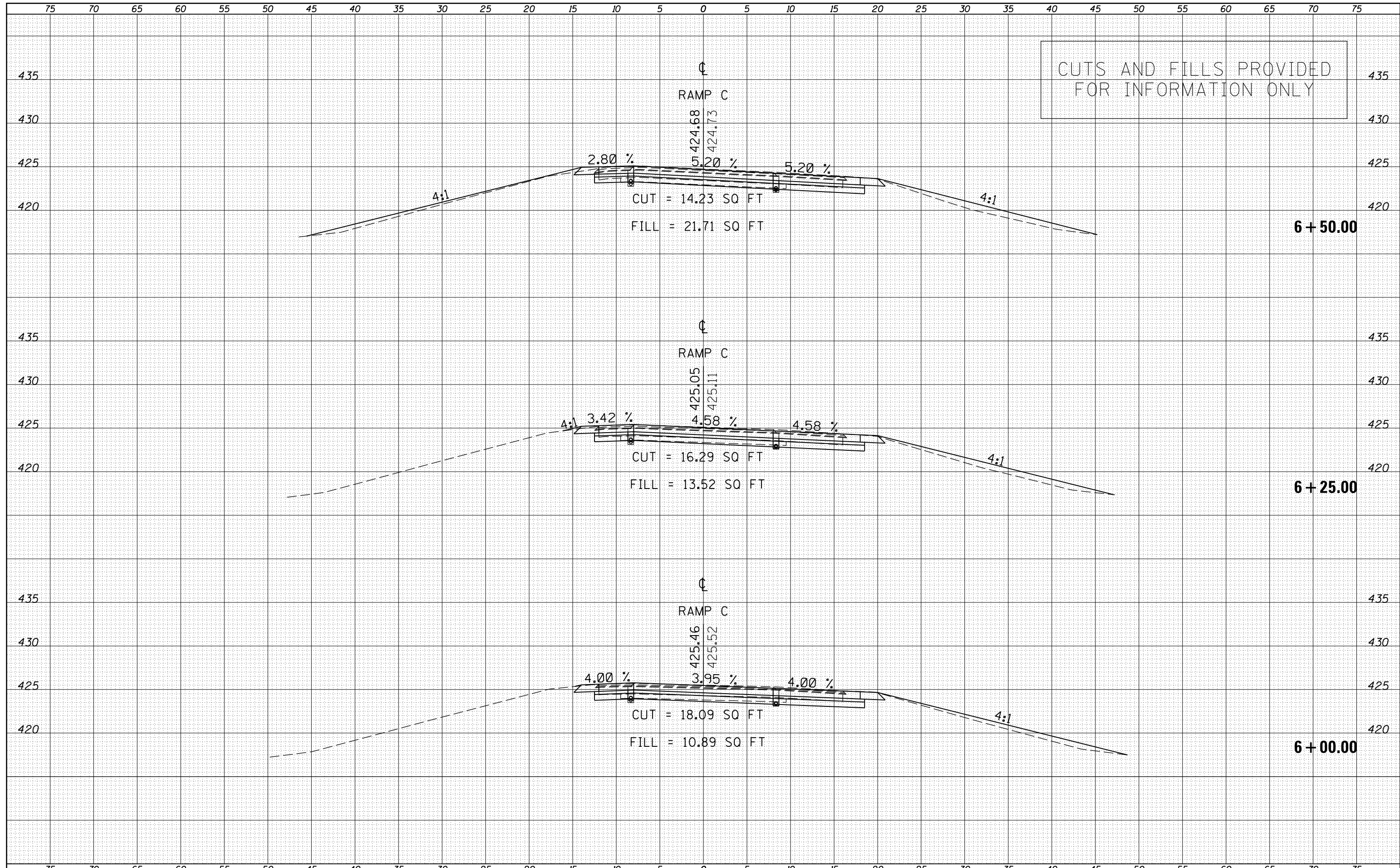
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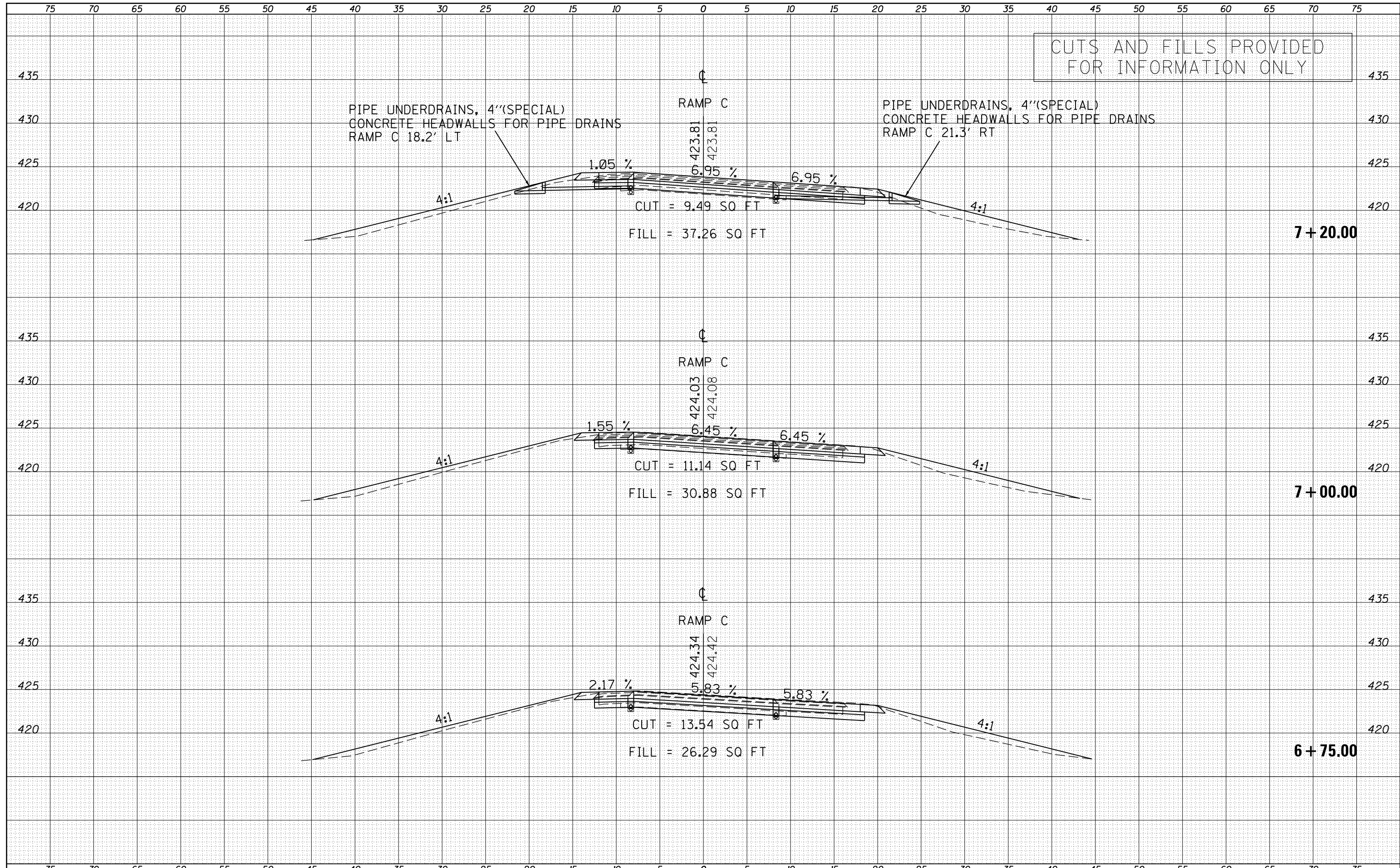




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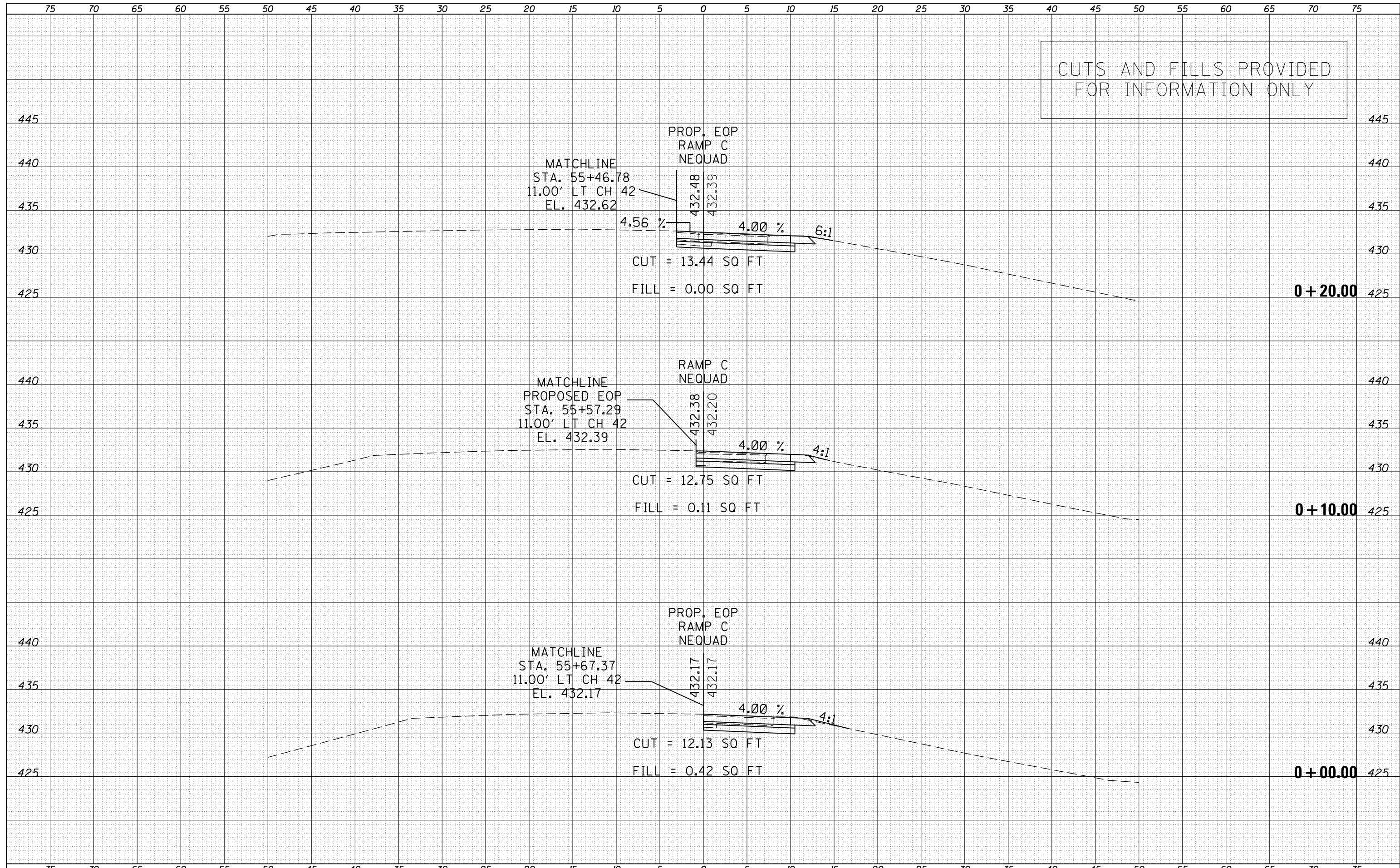
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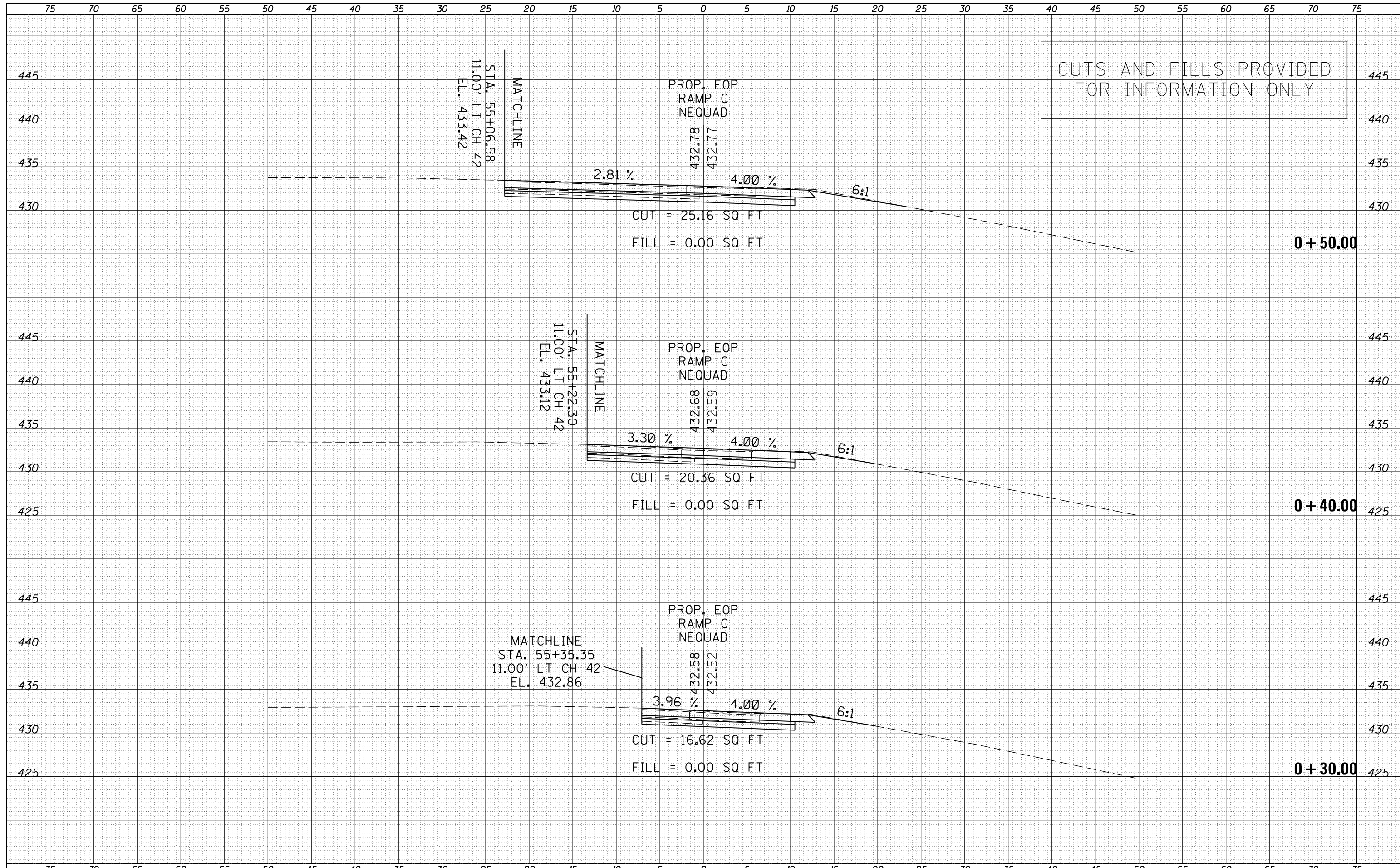
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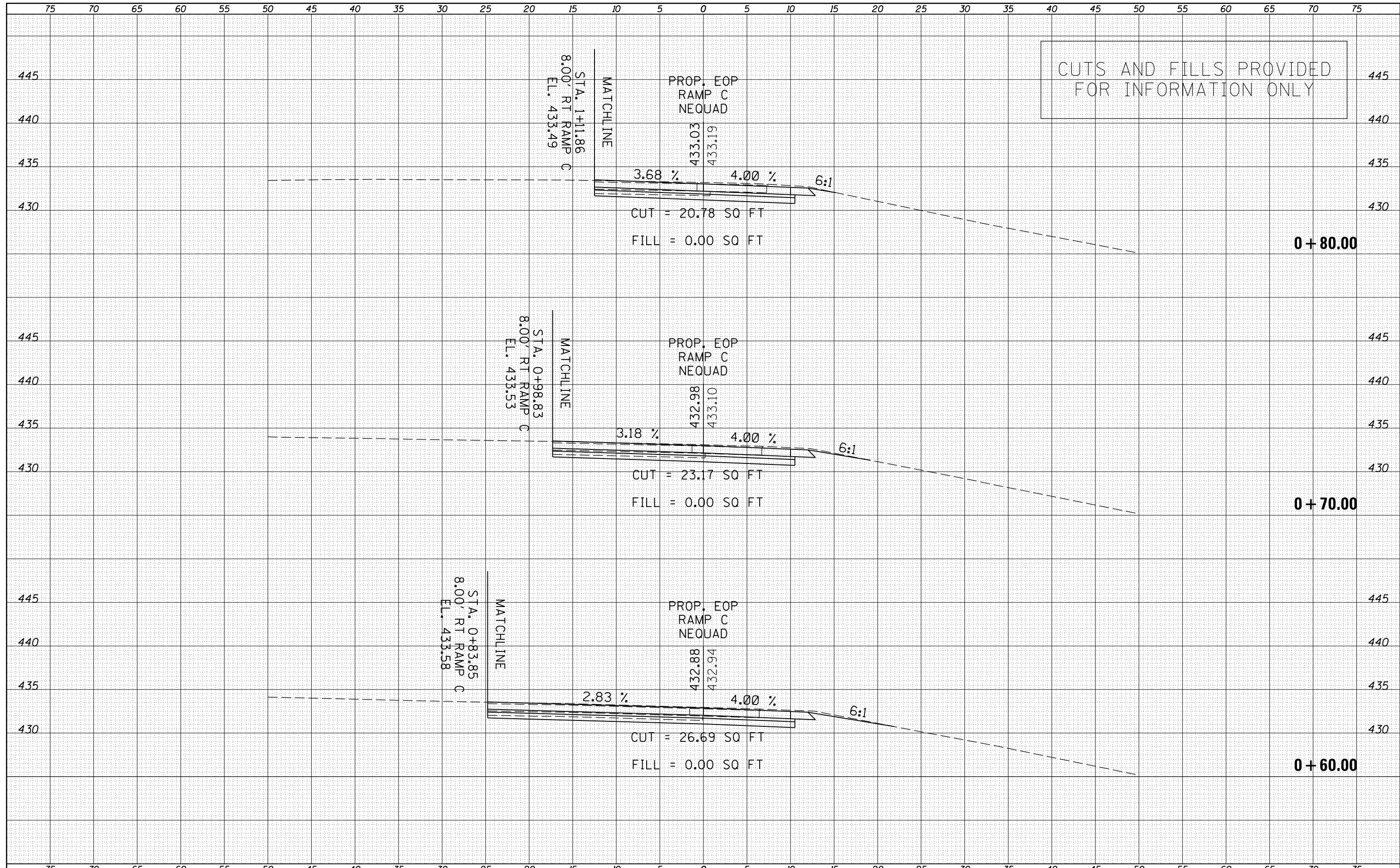
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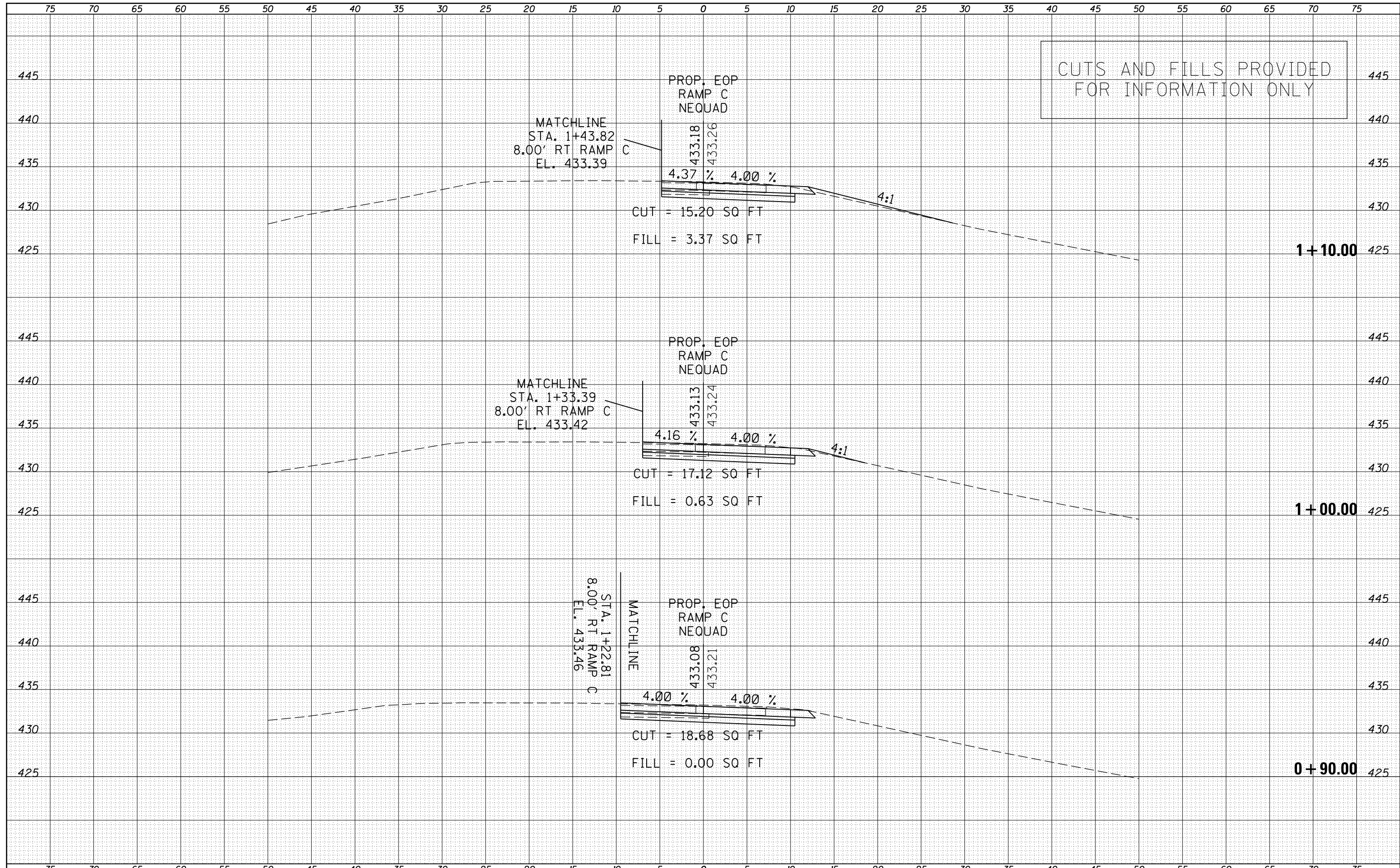
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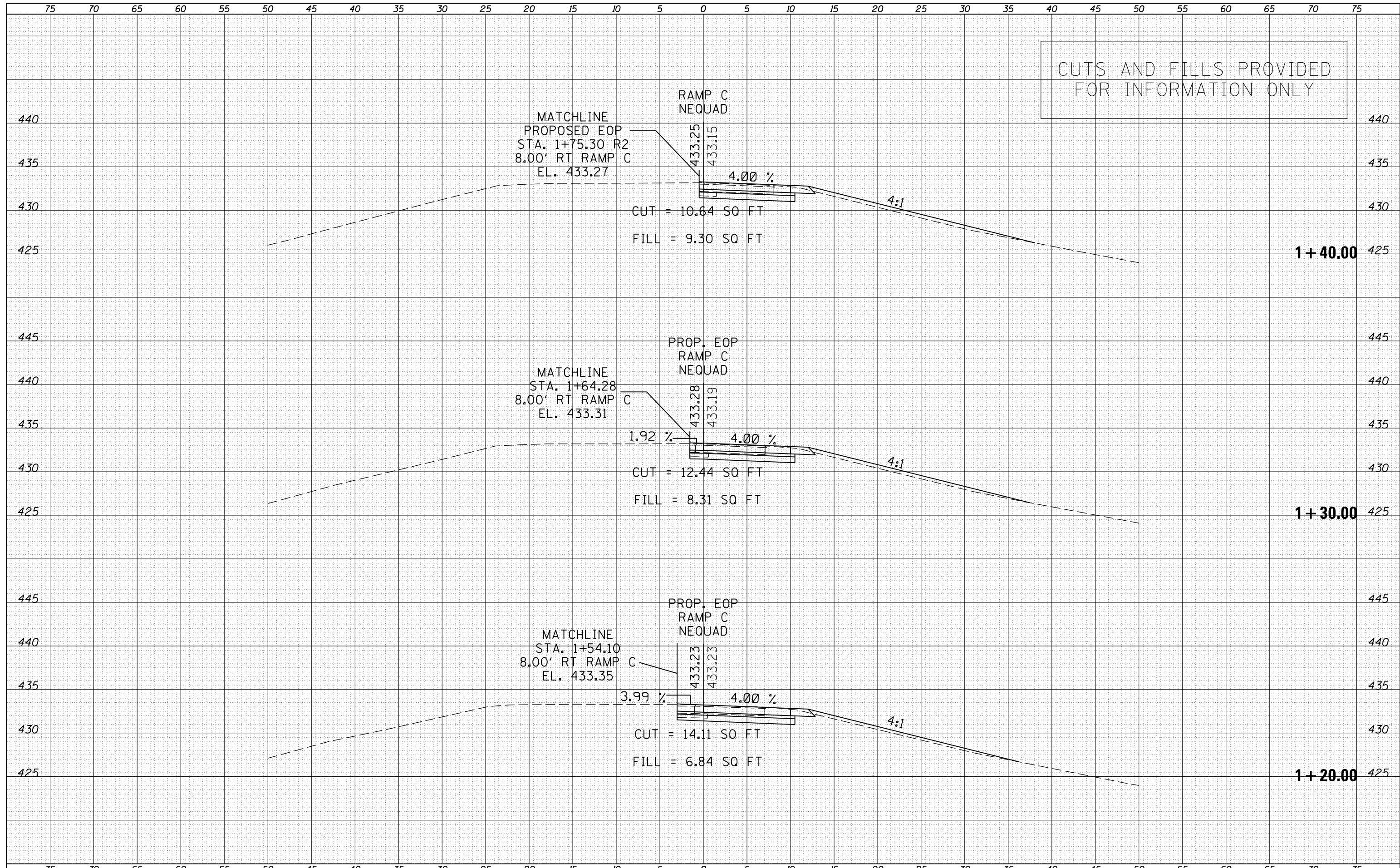
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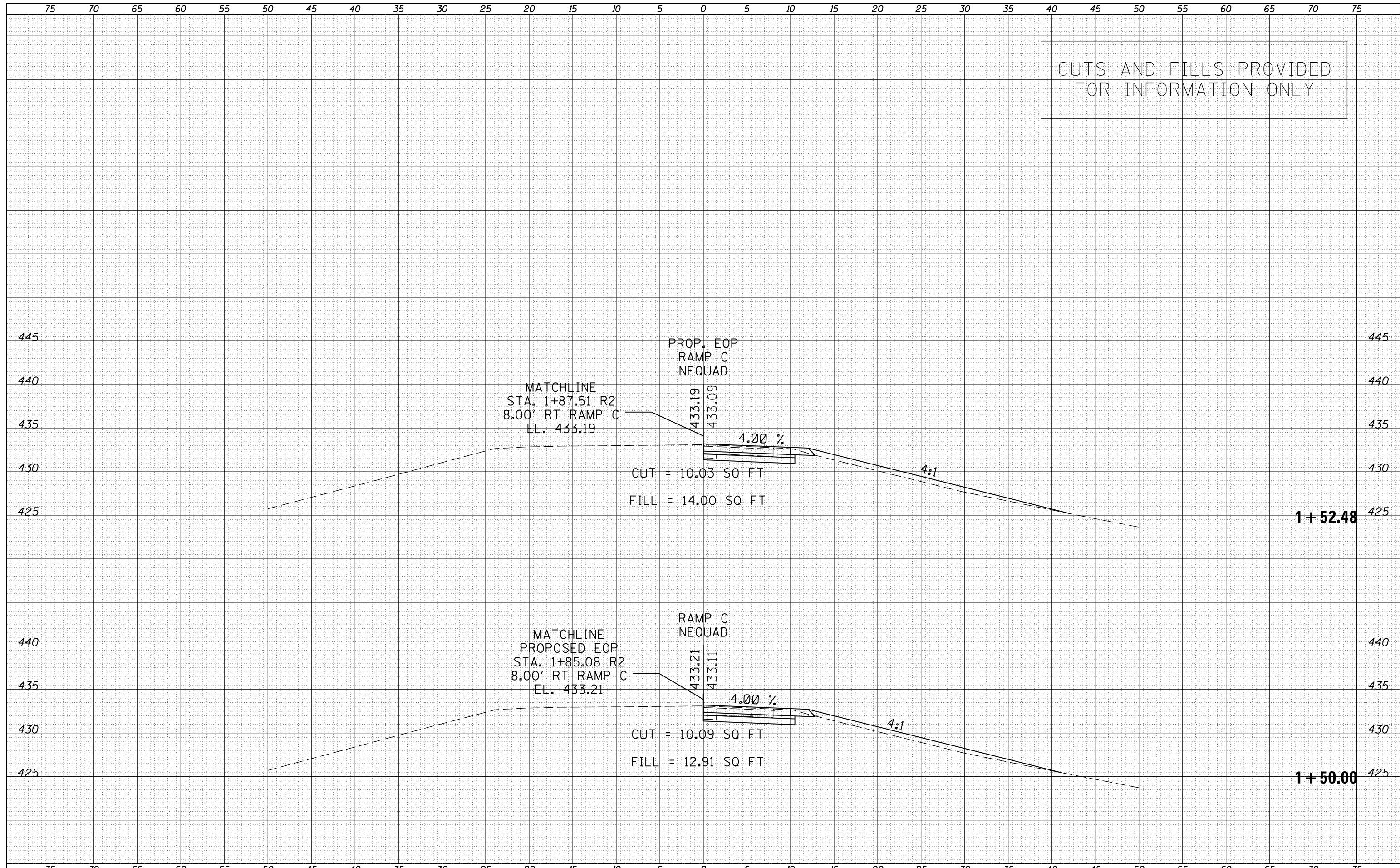
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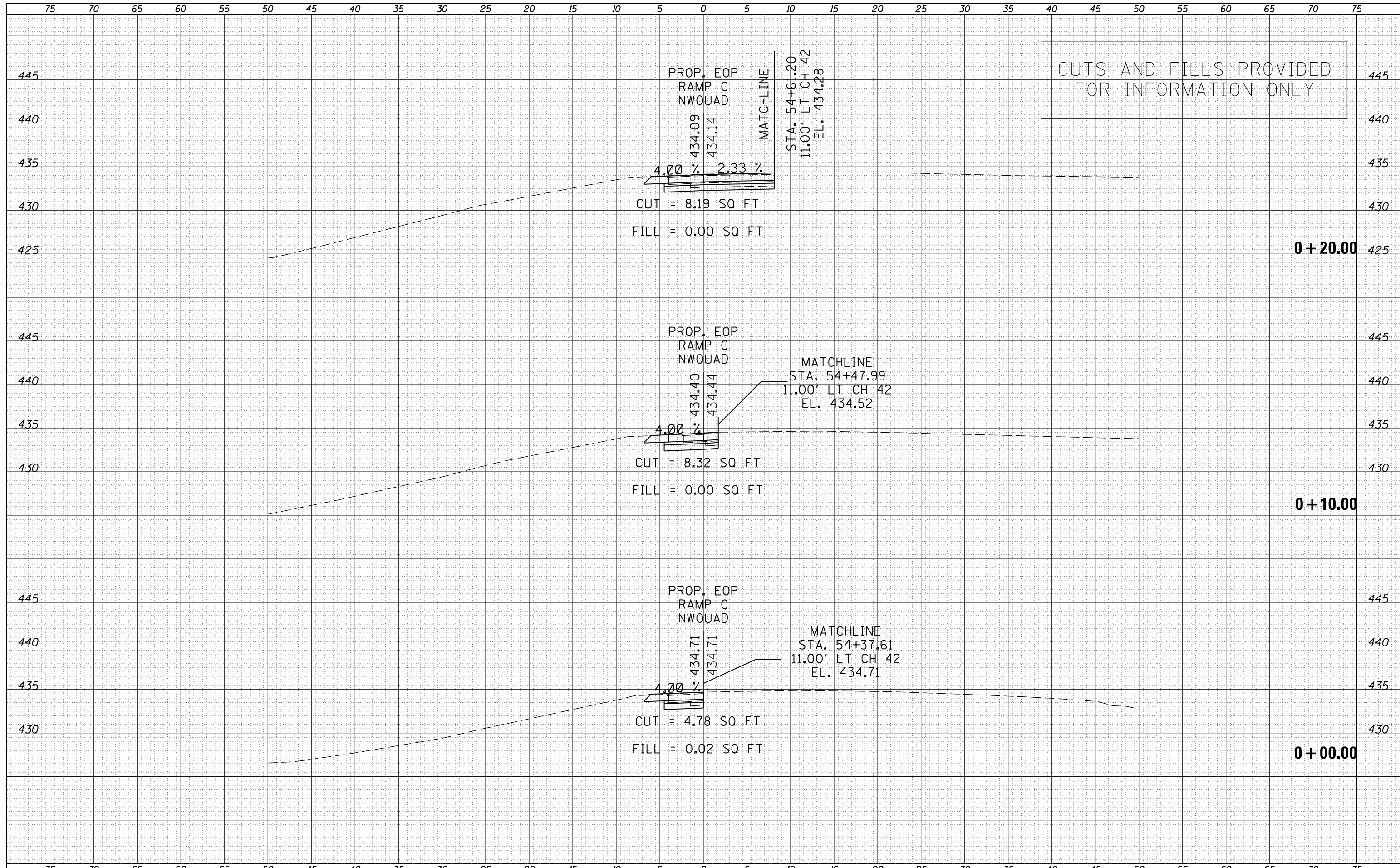
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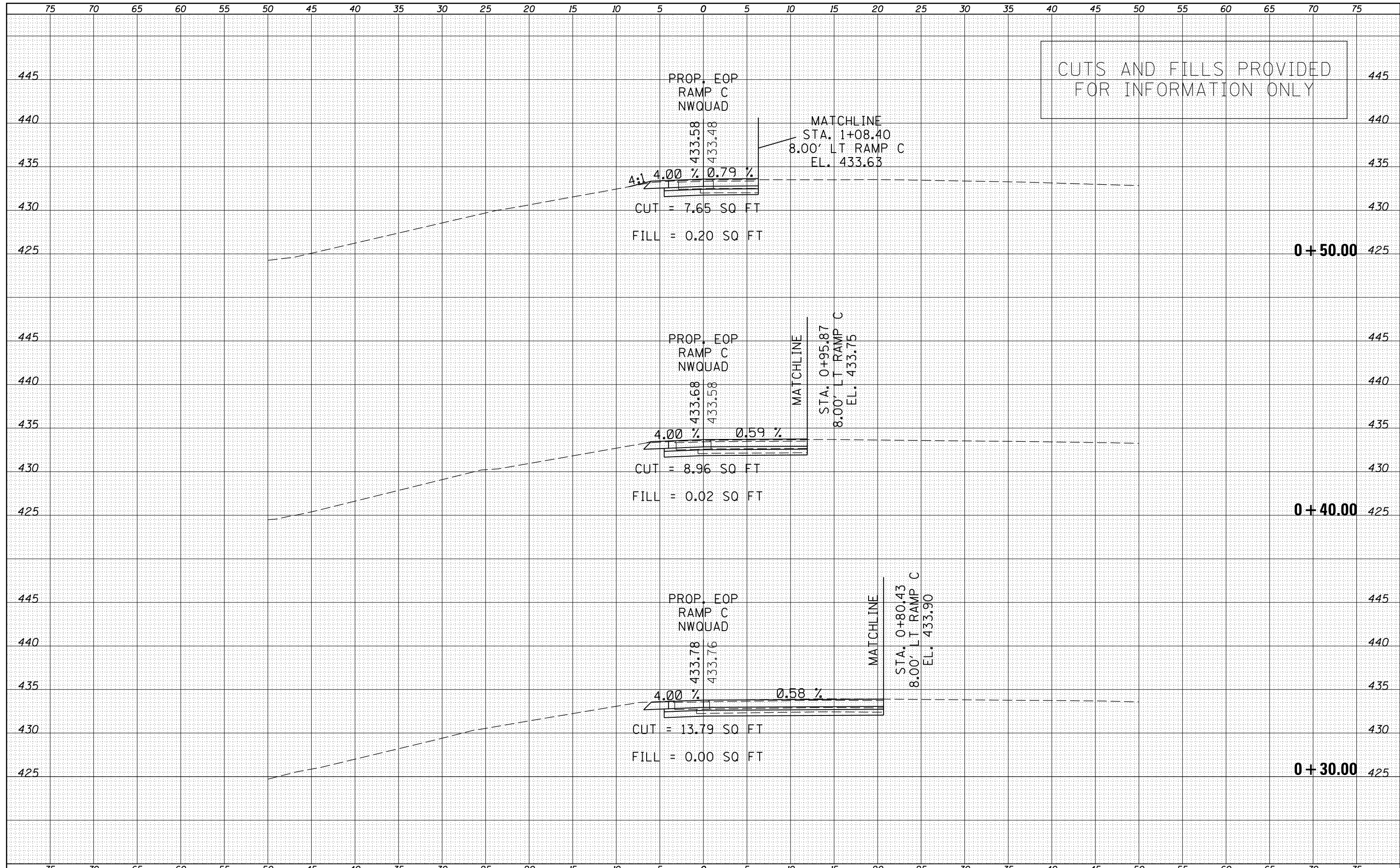
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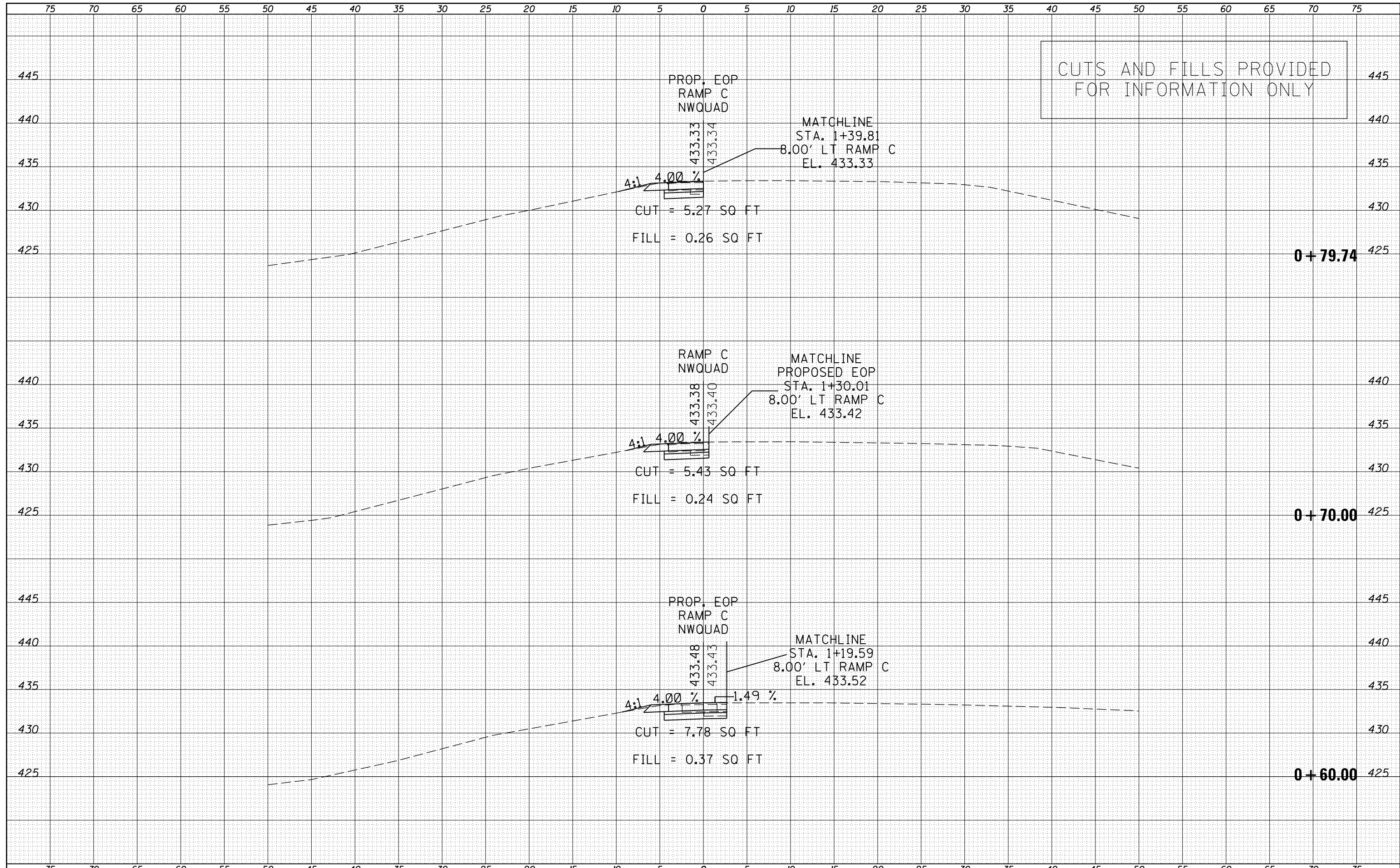
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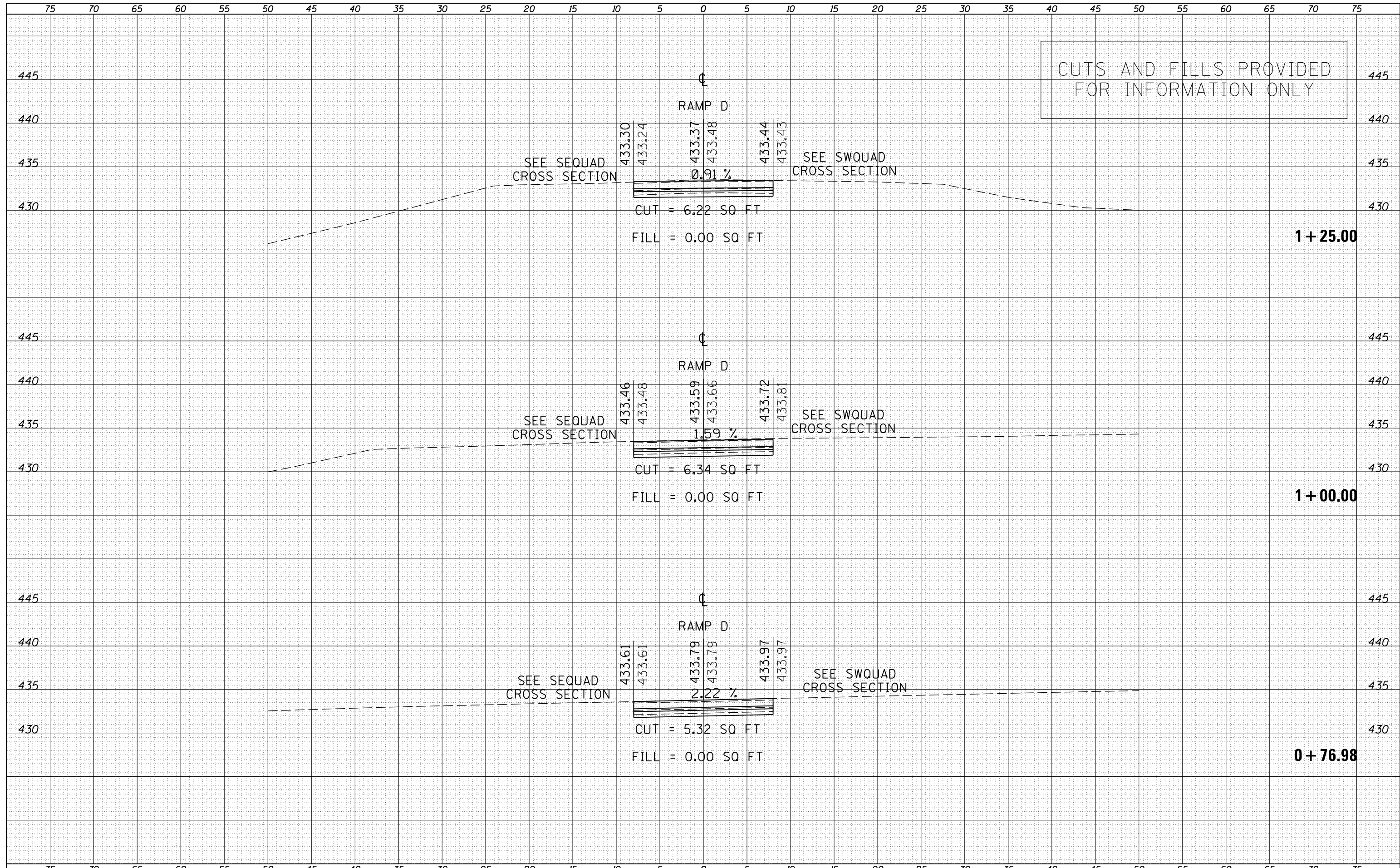


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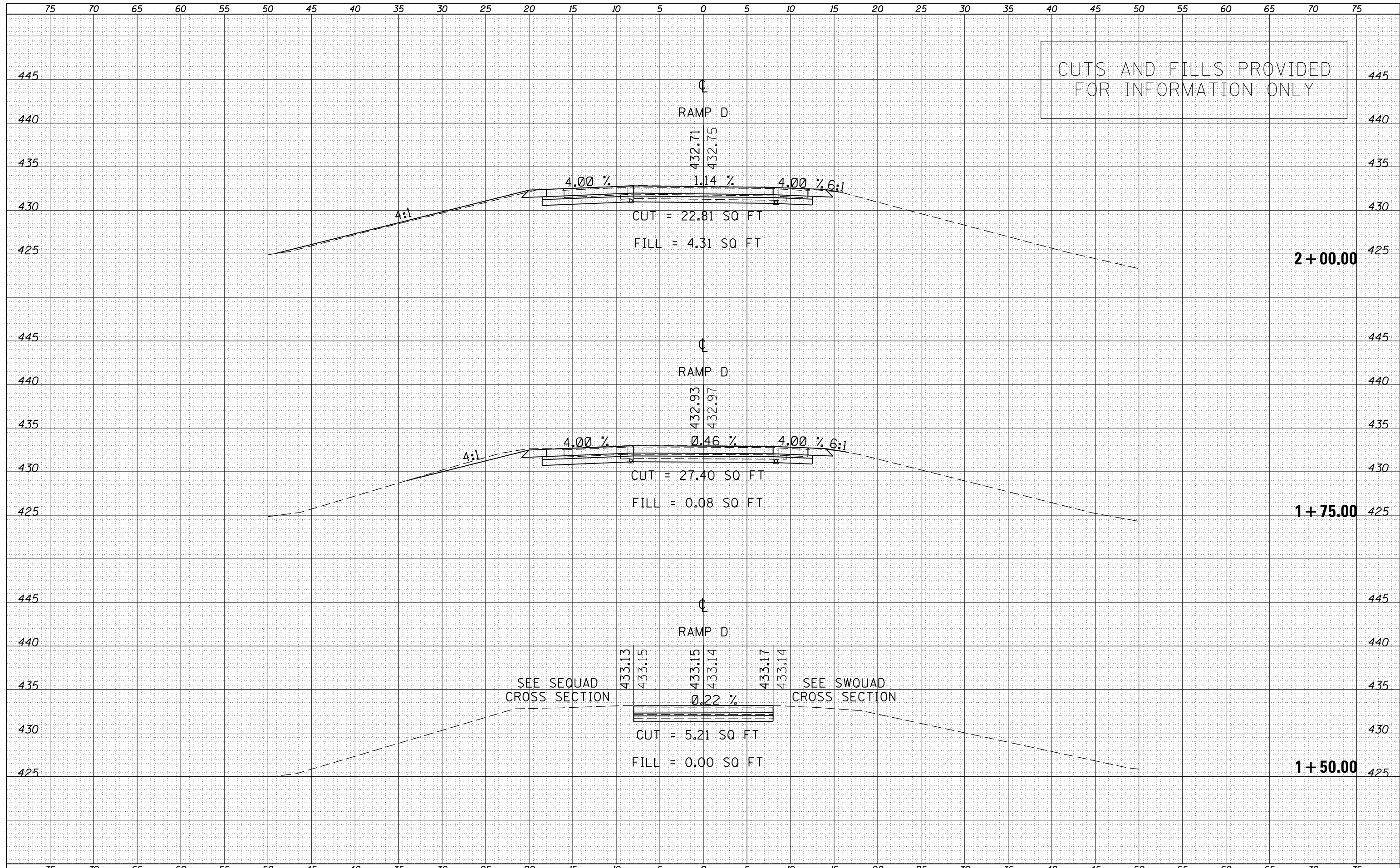
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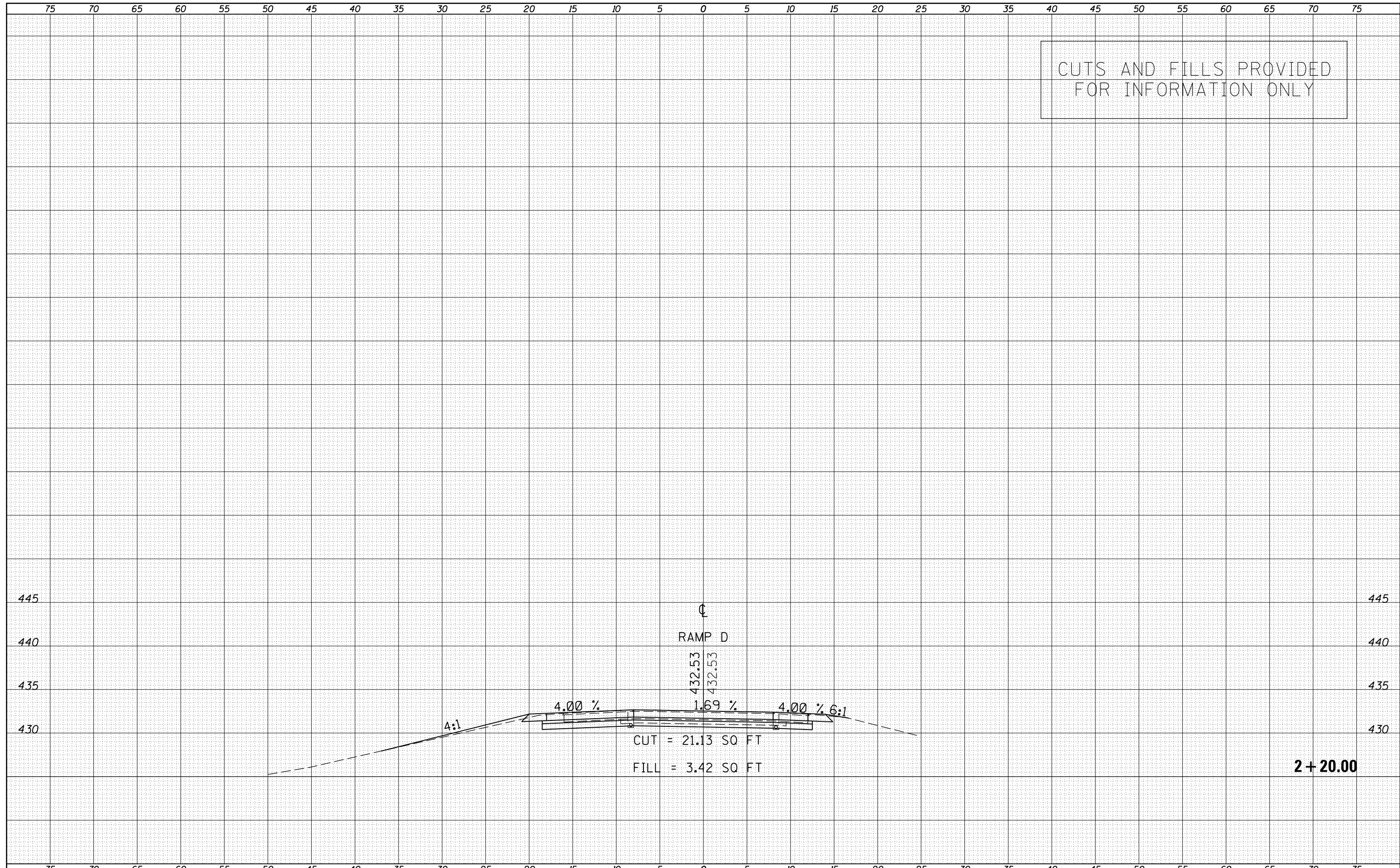
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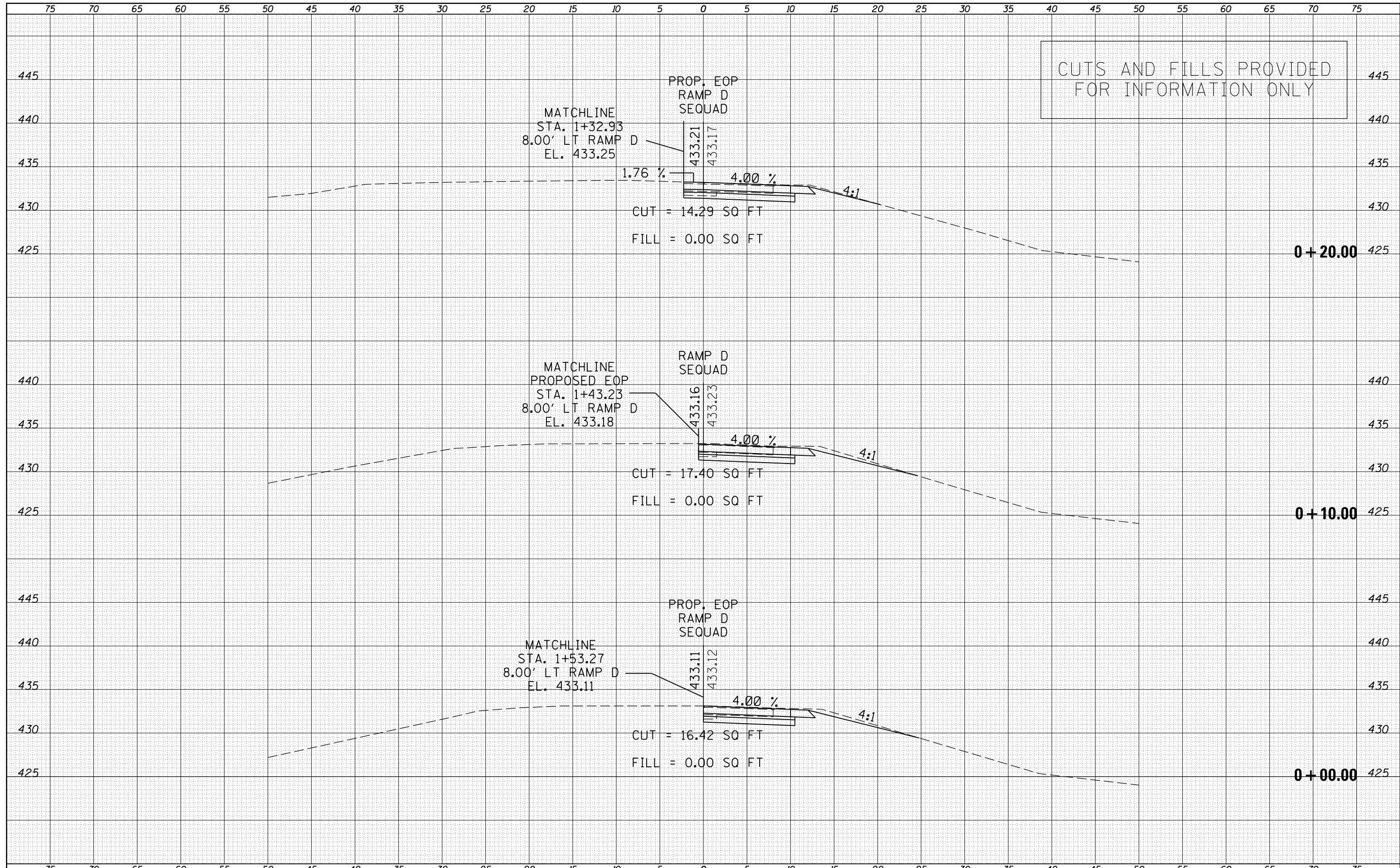
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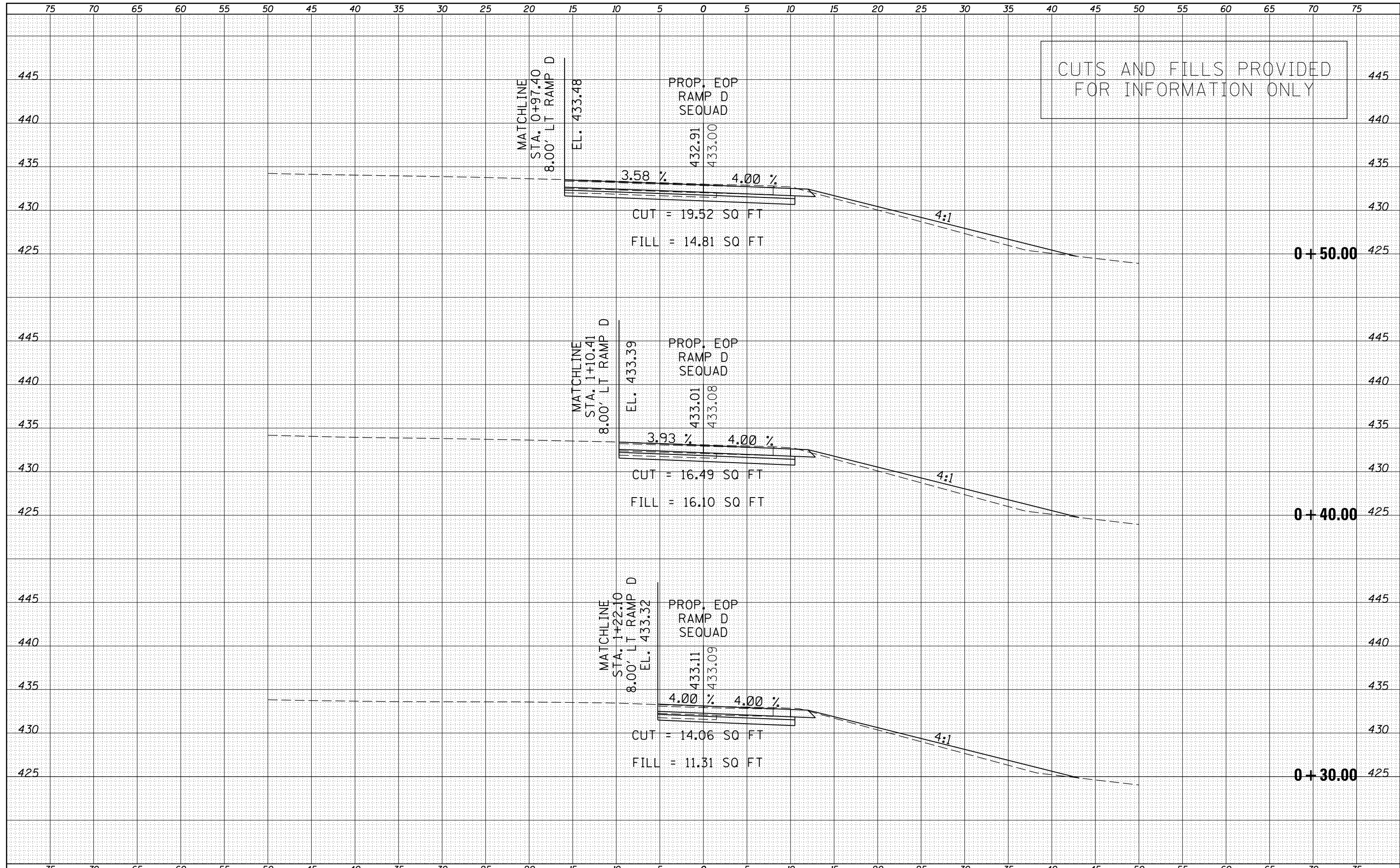
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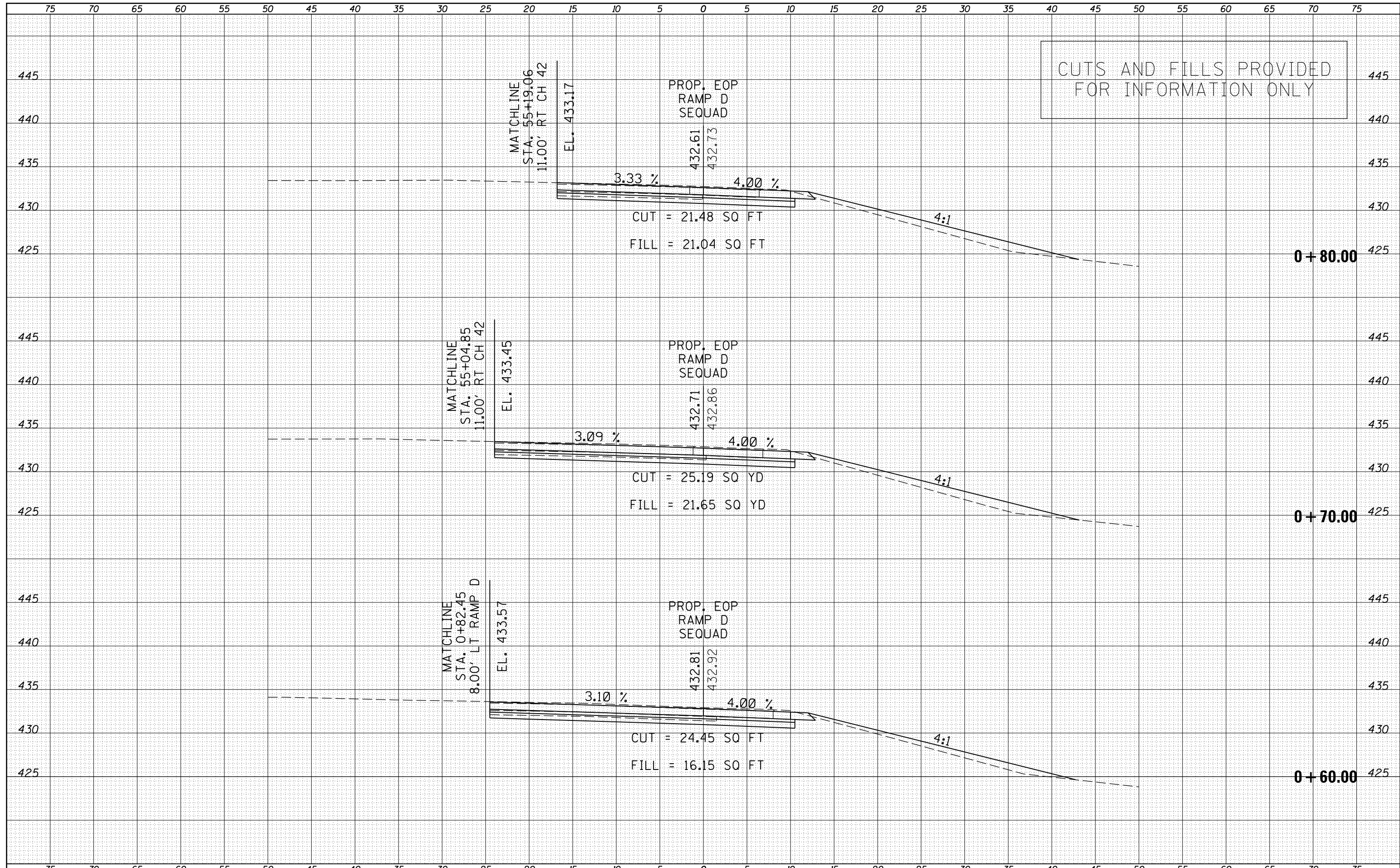
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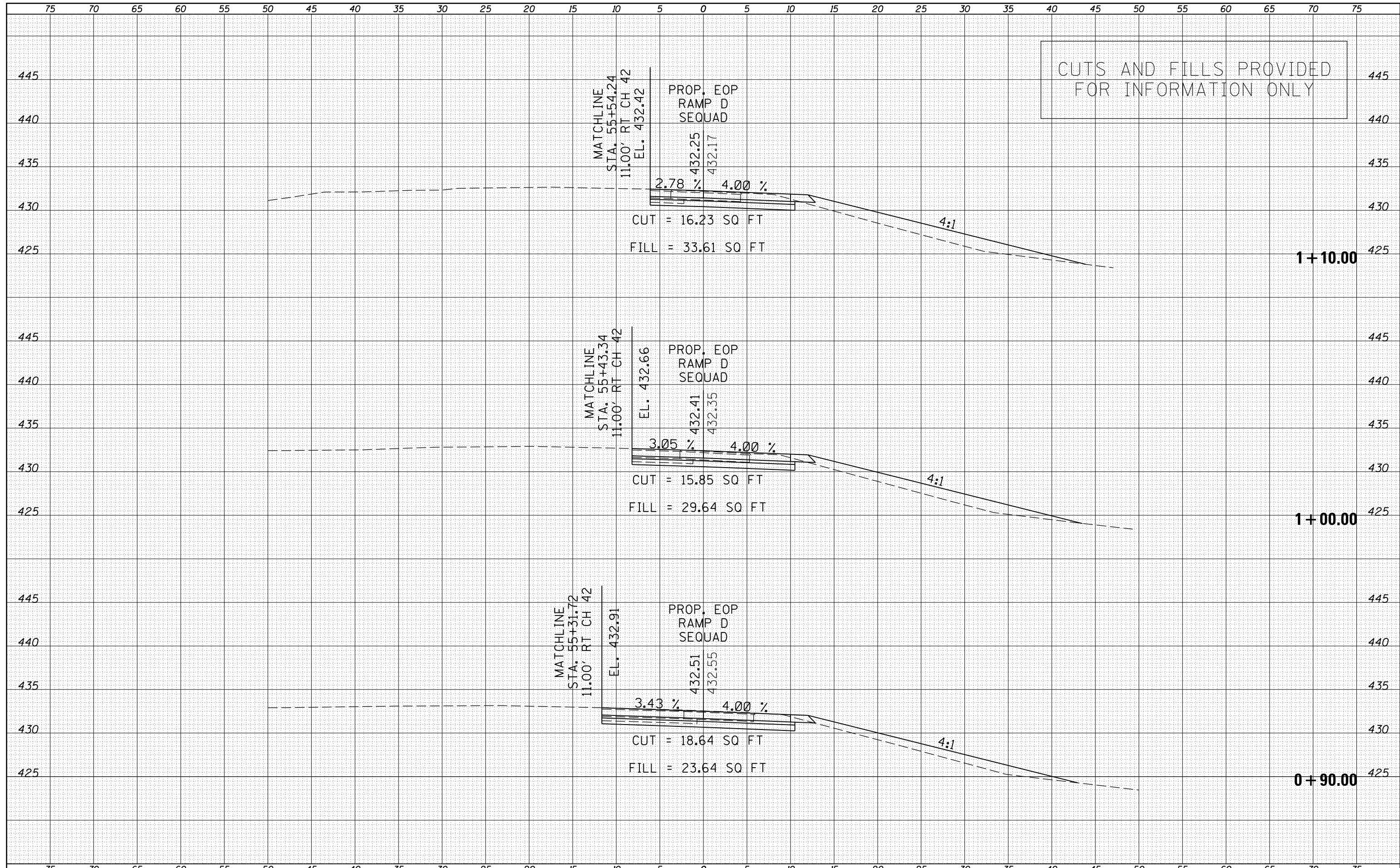
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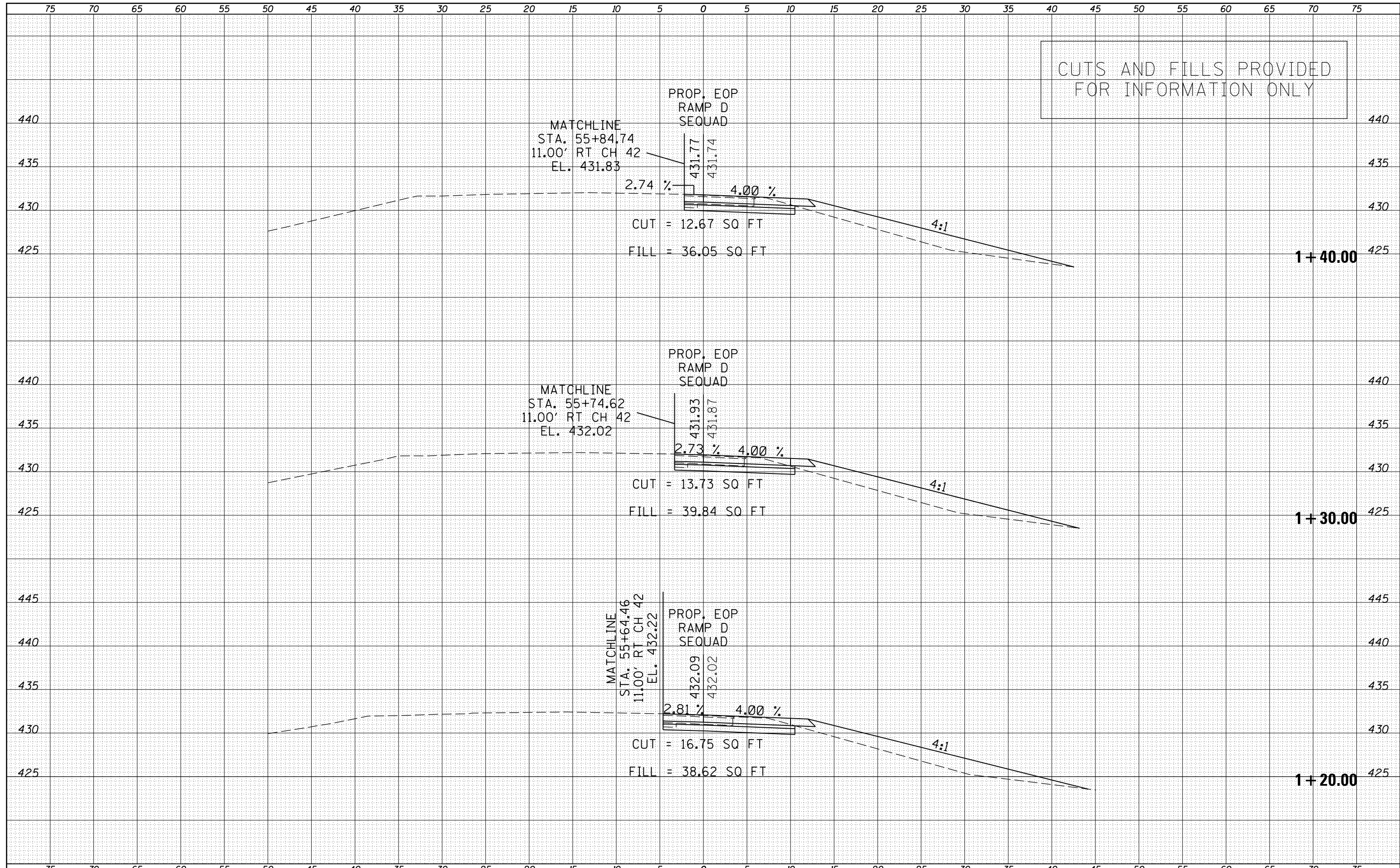
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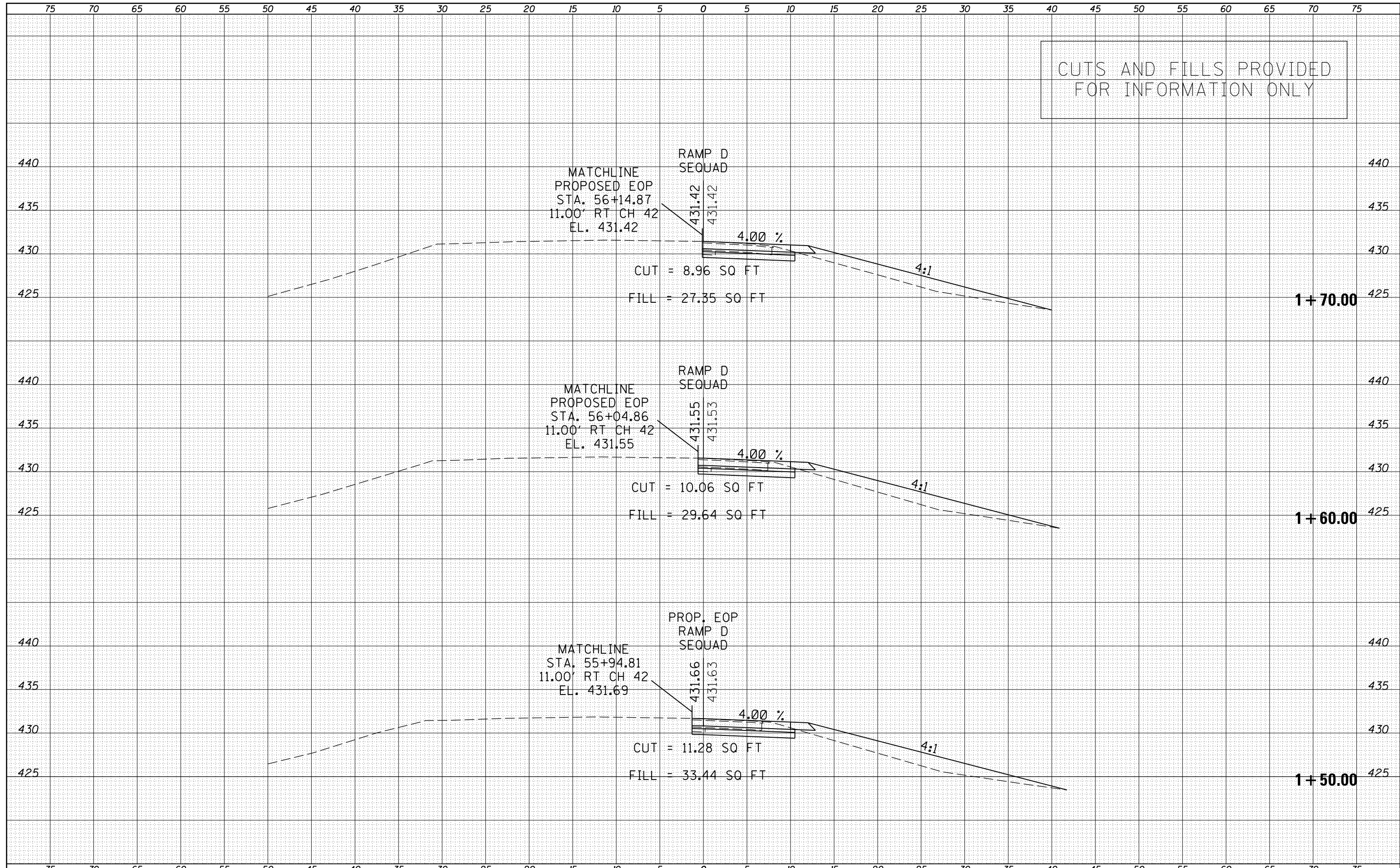
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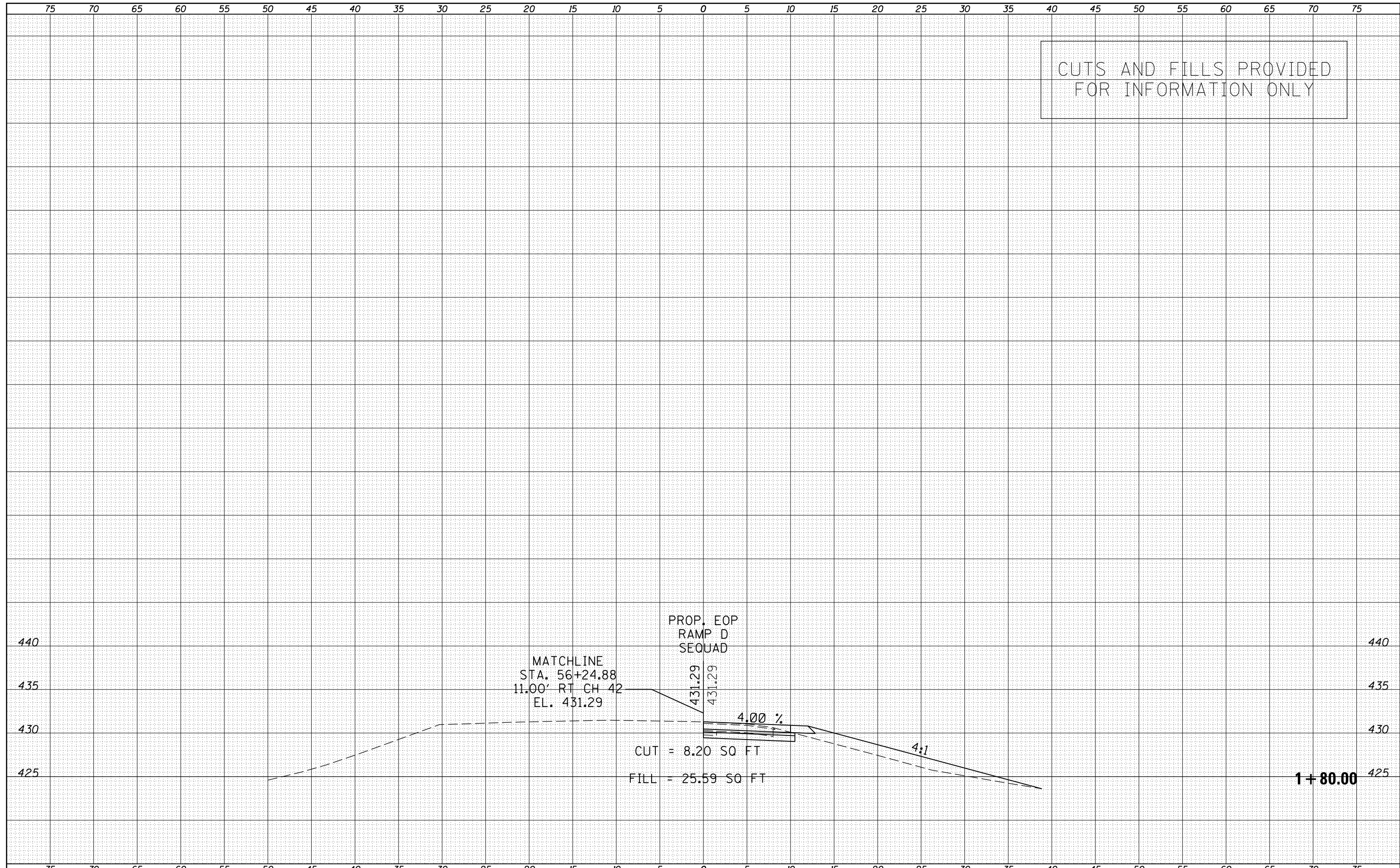
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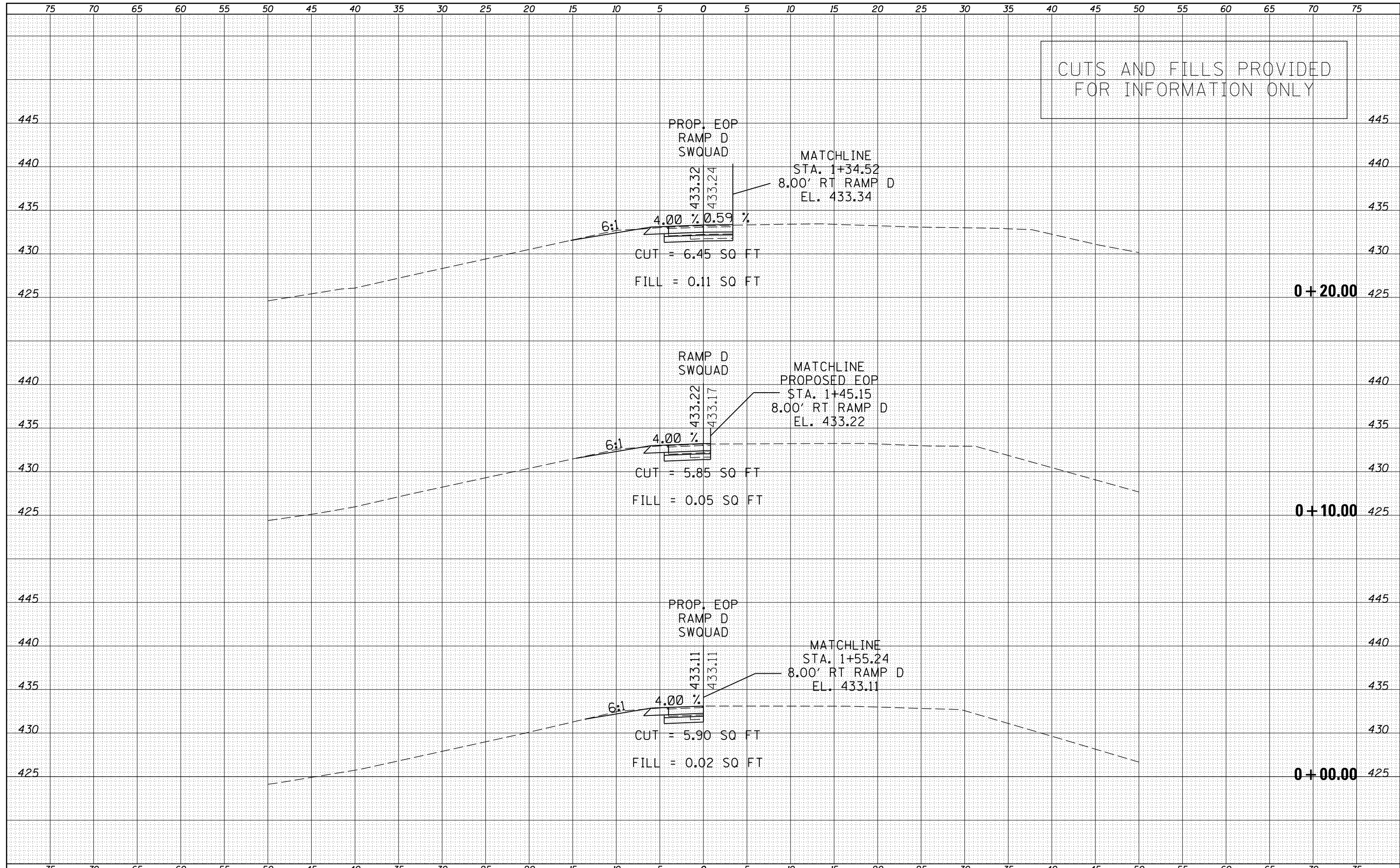
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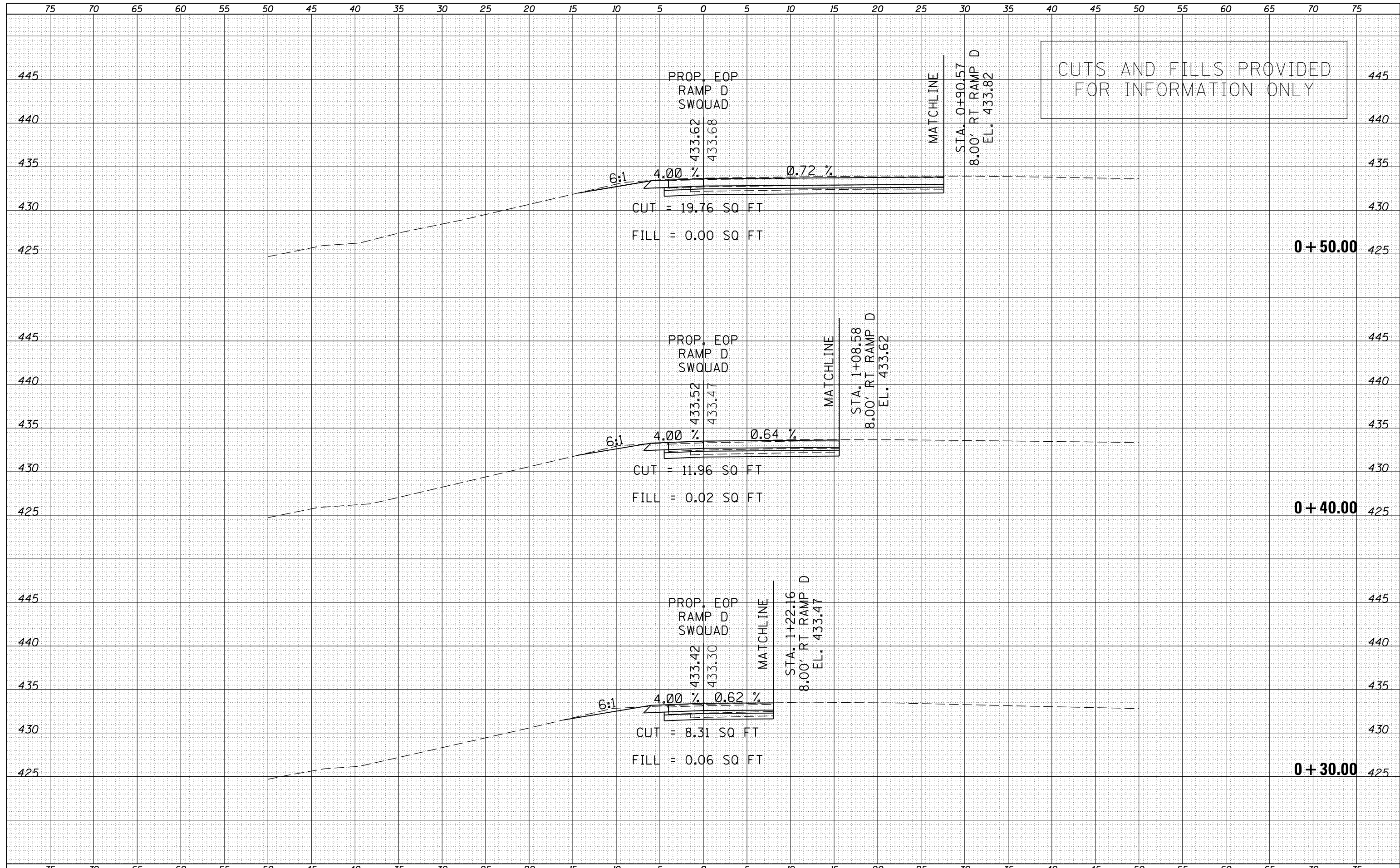
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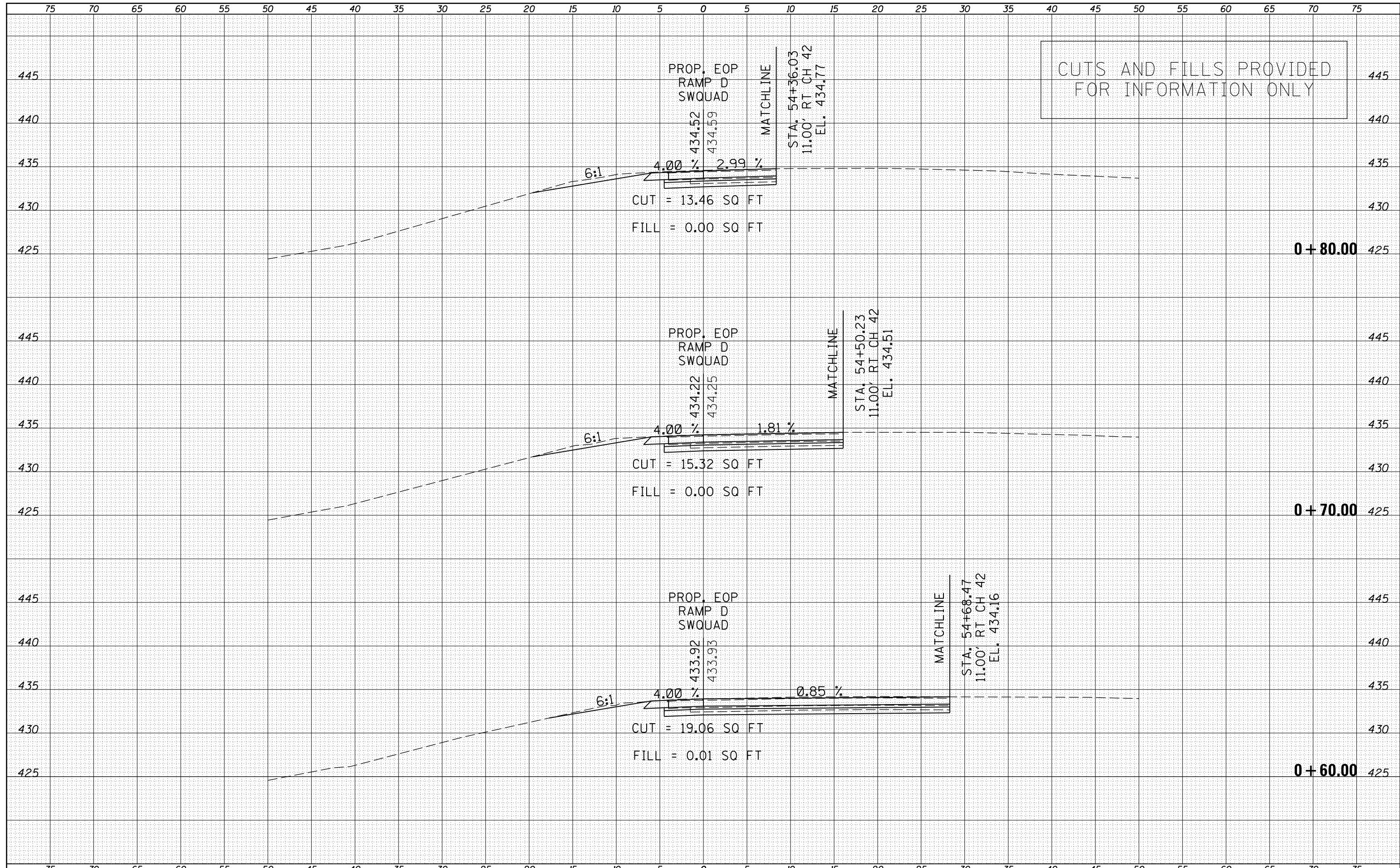
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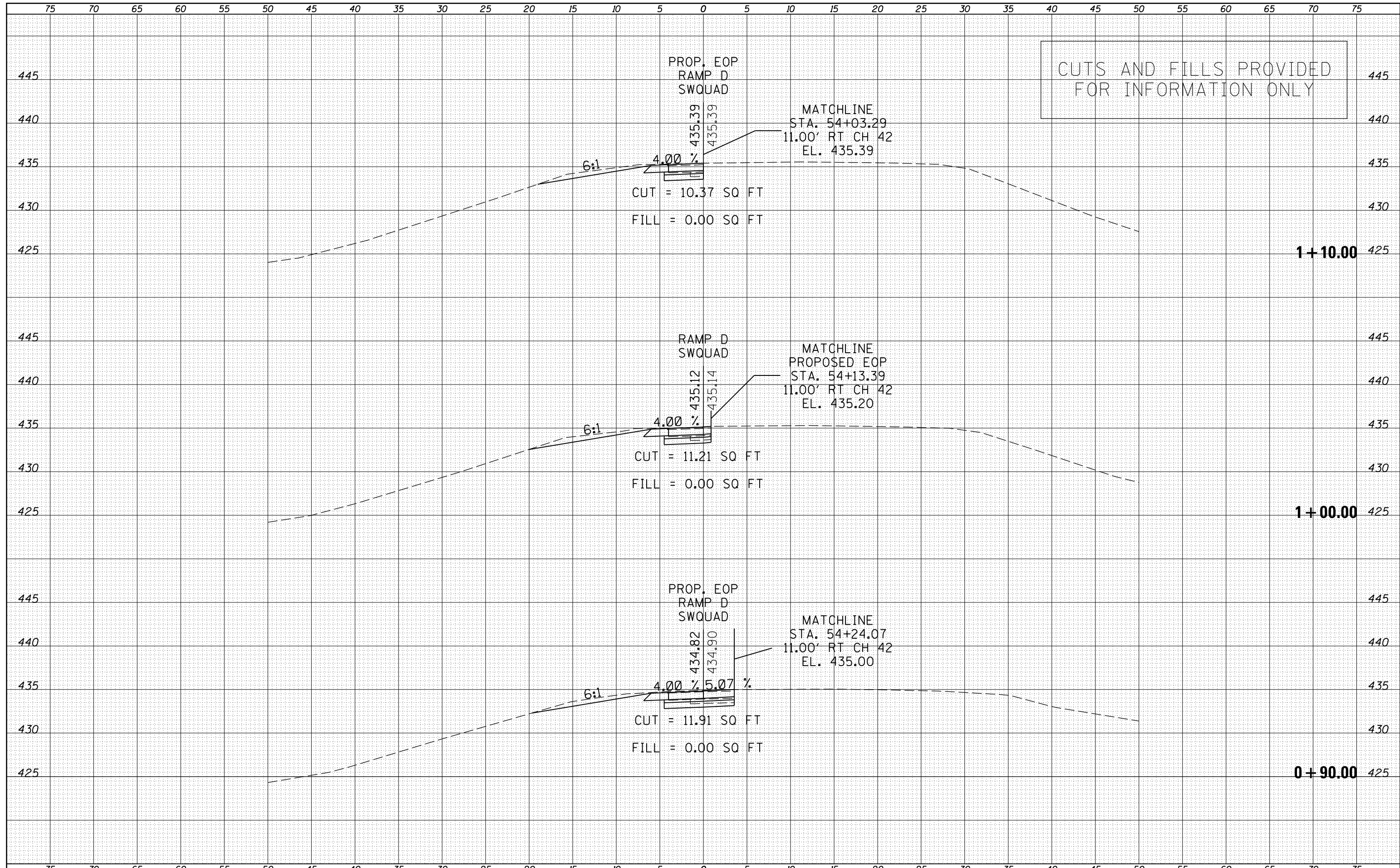
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