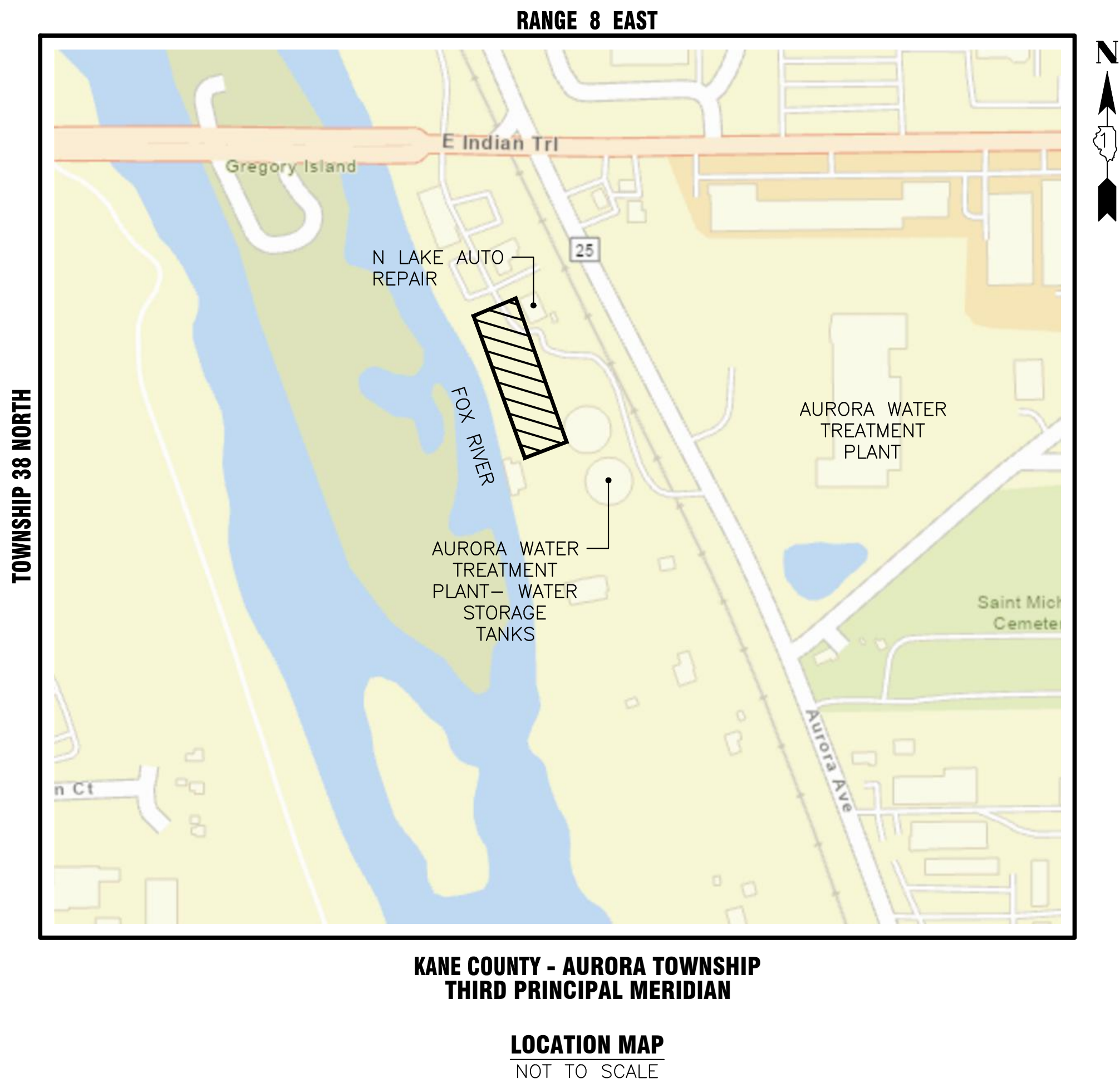


AURORA
ILLINOIS
PLANS FOR THE PROPOSED
DRIVEWAY ENTRANCE
AURORA WATER TREATMENT PLANT
WEST OF AURORA TREATMENT PLANT

JUNE 2025

GENERALLY LOCATED IN THE S. 1/2 OF SEC 11 T38N, R8E

LEGEND		
	EXISTING	PROPOSED
SANITARY SEWER	—) —	—) —
STORM SEWER	— > —	— > —
WATER MAIN	— W —	— W —
FORCE MAIN	— FM —	— FM —
UNDERDRAIN	— UD —	— UD —
OVERHEAD LINE	— OH —	— OH —
CABLE TV LINE	— CATV —	— CATV —
GAS LINE	— G —	— G —
TELEPHONE LINE	— T —	— T —
ELECTRIC LINE	— E —	— E —
FENCE	— X —	— X —
MAJOR CONTOUR	— — —	— — —
MINOR CONTOUR	— — —	— — —
HIGH WATER LEVEL	— HWL —	— HWL —
NORMAL WATER LEVEL	— NWL —	— NWL —
PAVEMENT FLOW DIRECTION	~ 882.6	~ 882.6
SPOT ELEVATION	X 882.6 TC	X 882.6 TC
TOP OF CURB ELEVATION	X 882.6 T/F	X 882.6 T/F
TOP OF FOUNDATION ELEVATION	X 882.6 FL	X 882.6 FL
GUTTER ELEVATION	X 882.6 P	X 882.6 P
PAVEMENT ELEVATION	X 882.6 P	X 882.6 P
EDGE OF PAVEMENT	=====	=====
CURB AND GUTTER	=====	=====
RIGHT-OF-WAY	— — —	— — —
SANITARY MANHOLE	⊙	⊙
SANITARY CLEANOUT	⊙	⊙
STORM MANHOLE	⊙	⊙
CATCH BASIN	⊙	⊙
INLET	⊙	⊙
FLARED END SECTION	⊙	⊙
FIRE HYDRANT	⊙	⊙
VALVE VAULT	⊙	⊙
VALVE BOX	⊙	⊙
STREET LIGHT	⊙	⊙
POWER POLE	⊙	⊙
STREET SIGN	⊙	⊙
ELECTRIC BOX	⊙	⊙
TELEPHONE BOX	⊙	⊙
TELEPHONE MANHOLE	⊙	⊙
B-BOX	⊙	⊙
GAS VALVE	⊙	⊙
TRAFFIC HANDHOLE	⊙	⊙
ELECTRIC HANDHOLE	⊙	⊙
TREE W/ DIAMETER	⊙	⊙
MAILBOX	⊙	⊙
STRUCTURE TO BE REMOVED	⊙	⊙
PLUG EXISTING PIPE	⊙	⊙
UTILITY CROSSING	⊙	⊙
EXPLORATORY EXCAVATION LOCATION	⊙	⊙
SANITARY MANHOLE REHABILITATION NUMBER	⊙	⊙
SOIL BORING LOCATION WITH IDENTIFICATION NUMBER & ELEVATION	⊙	⊙



INDEX OF SHEETS

- | | |
|-----|---------------------------|
| 1 | COVER SHEET |
| 2 | PLAN AND PROFILE |
| 3 | ELECTRICAL PLAN & PROFILE |
| 4-6 | TYPICAL CROSS SECTIONS |
| 7 | EROSION CONTROL |
| 8 | STANDARD DETAILS |



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

CONSTRUCTION AND MAINTENANCE TO BE IN
ACCORDANCE WITH ALL APPLICABLE REGULATORY
REQUIREMENTS AND STANDARDS

PRINTED BY THE AUTHORITY
OF THE CITY OF AURORA

PLANS PREPARED BY:

CITY OF AURORA

DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
2185 LIBERTY ST AURORA IL 60502

PHONE: 630-256-3200 FAX: 630-256-3229

REVISIONS:

DESIGNED BY: SW	DRAWN BY: AHB	CHECKED BY: KTM	APPROVED BY: KTM	HORIZ. SCALE: N/A	VERT. SCALE: N/A	DATE: JUNE 2025
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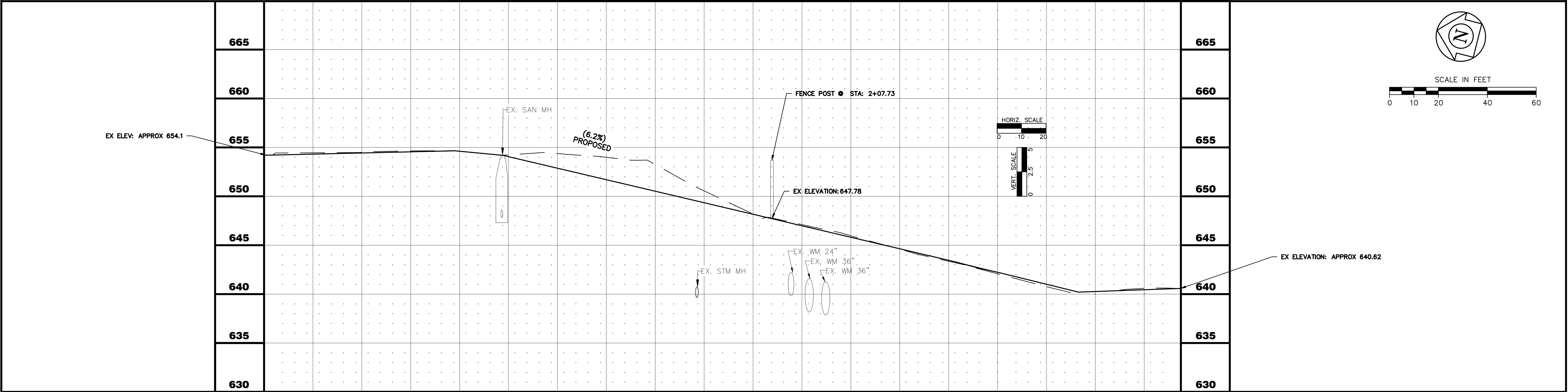
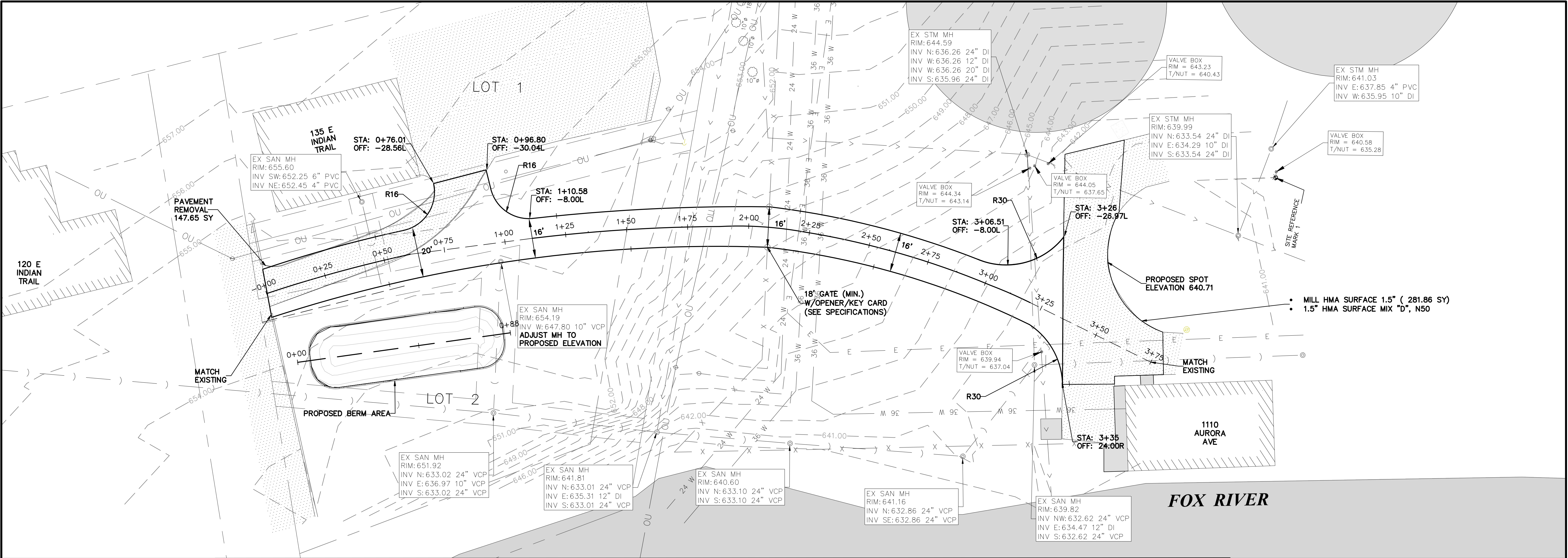
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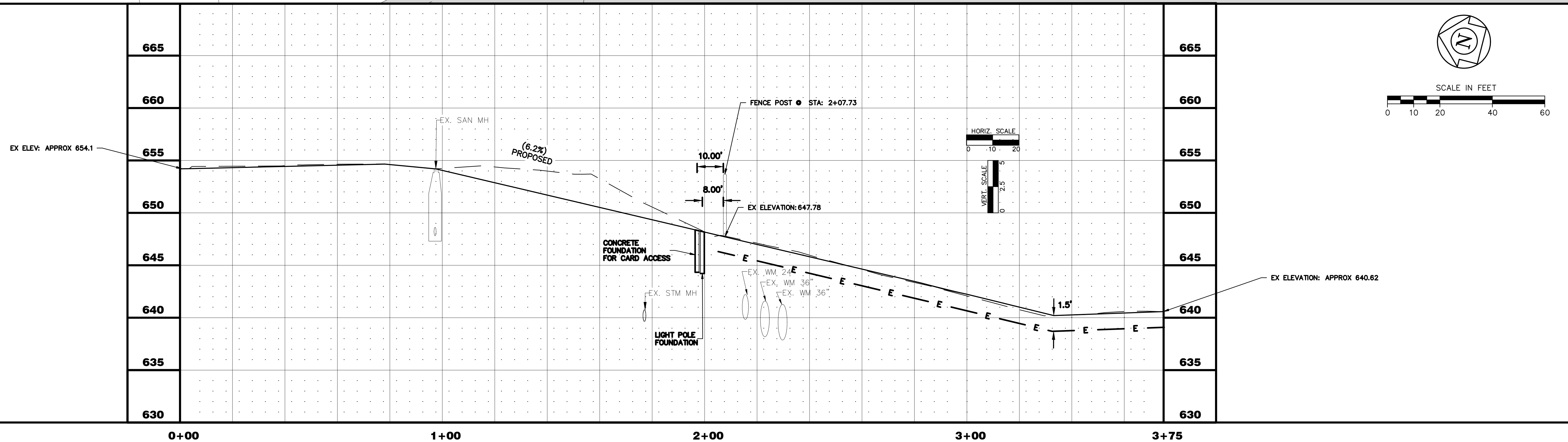
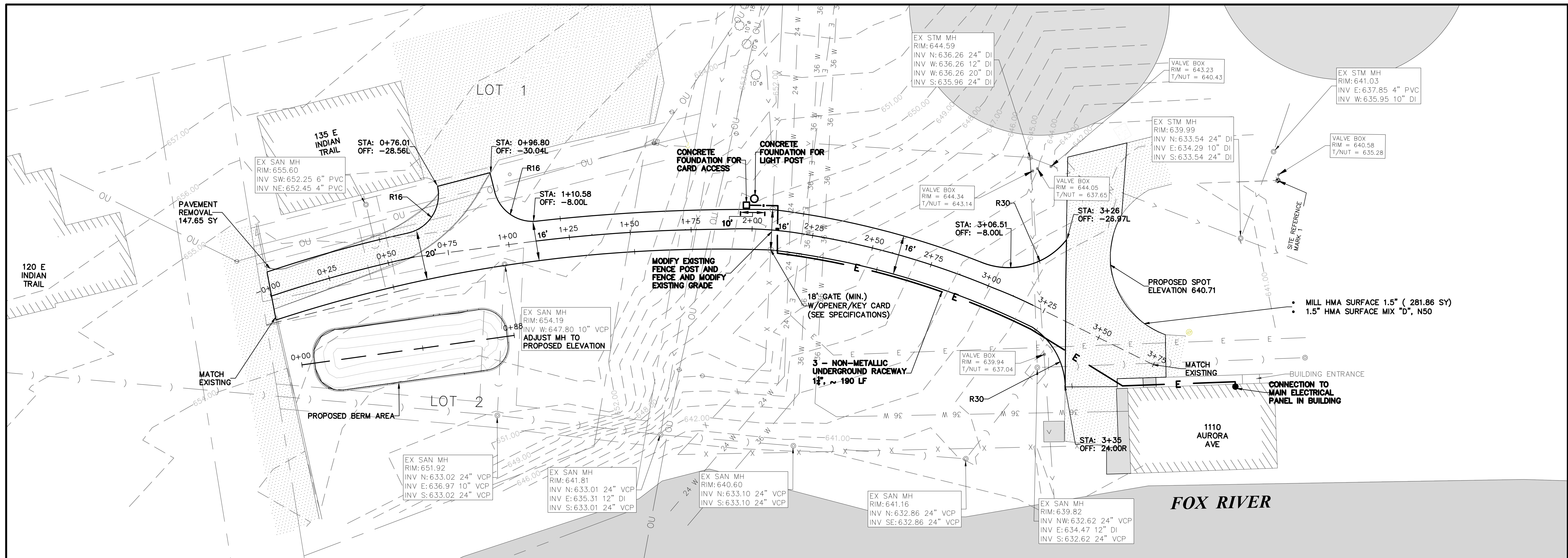
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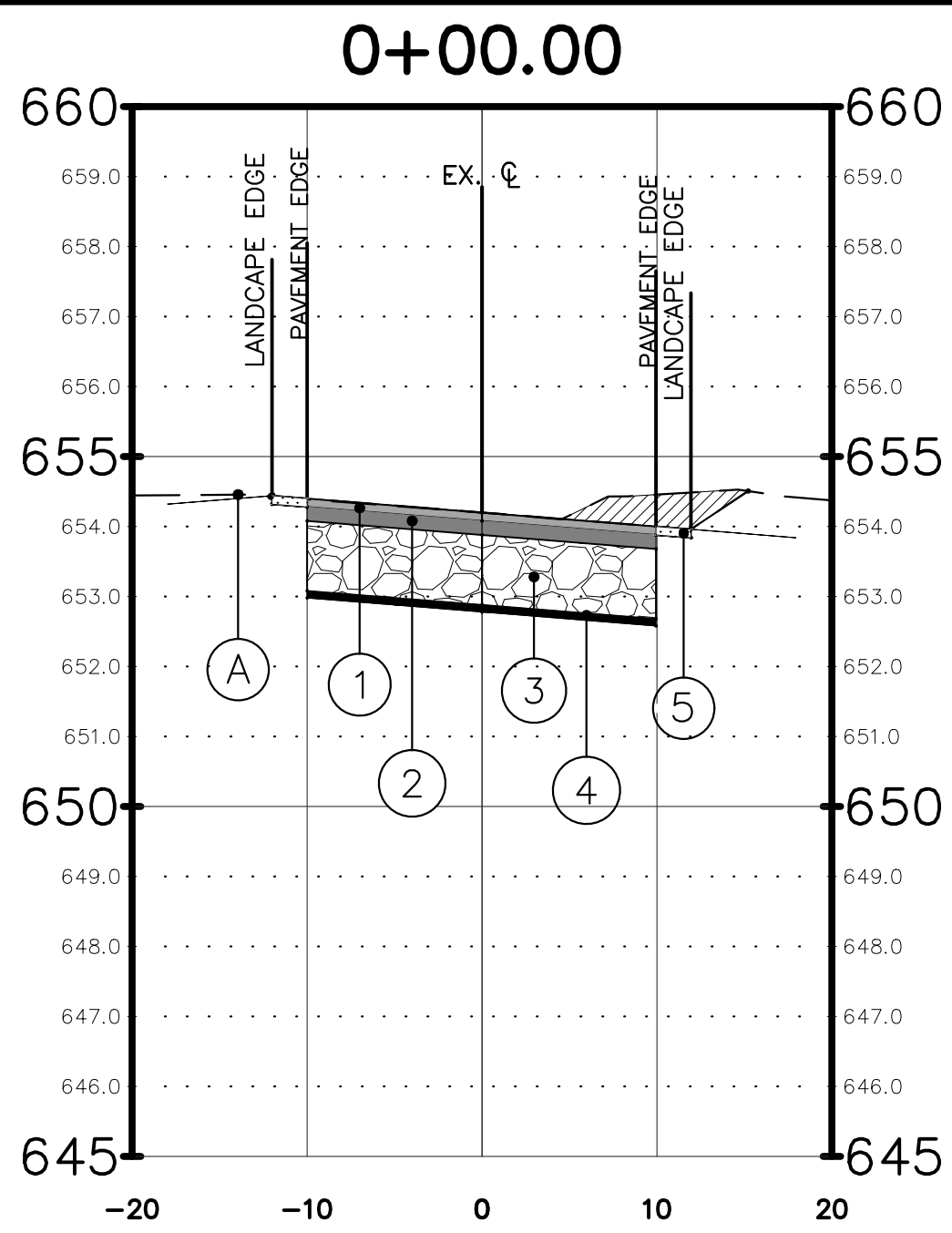
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0+00										1+00			2+00			3+00			3+75		
	CITY OF AURORA ENGINEERING DIVISION 77 SOUTH BROADWAY AURORA, ILLINOIS 60505	REVISIONS:							PROJECT									SHEET NUMBER			
									WTP DRIVEWAY									2			
									PLAN & PROFILE									TOTAL SHEETS			
						DESIGNED BY: S.W		CHECKED BY: KTM		SCALE: 1" = 20'											
						DRAWN BY: AHB		APPROVED BY: KTM		DATE: 7/2025											

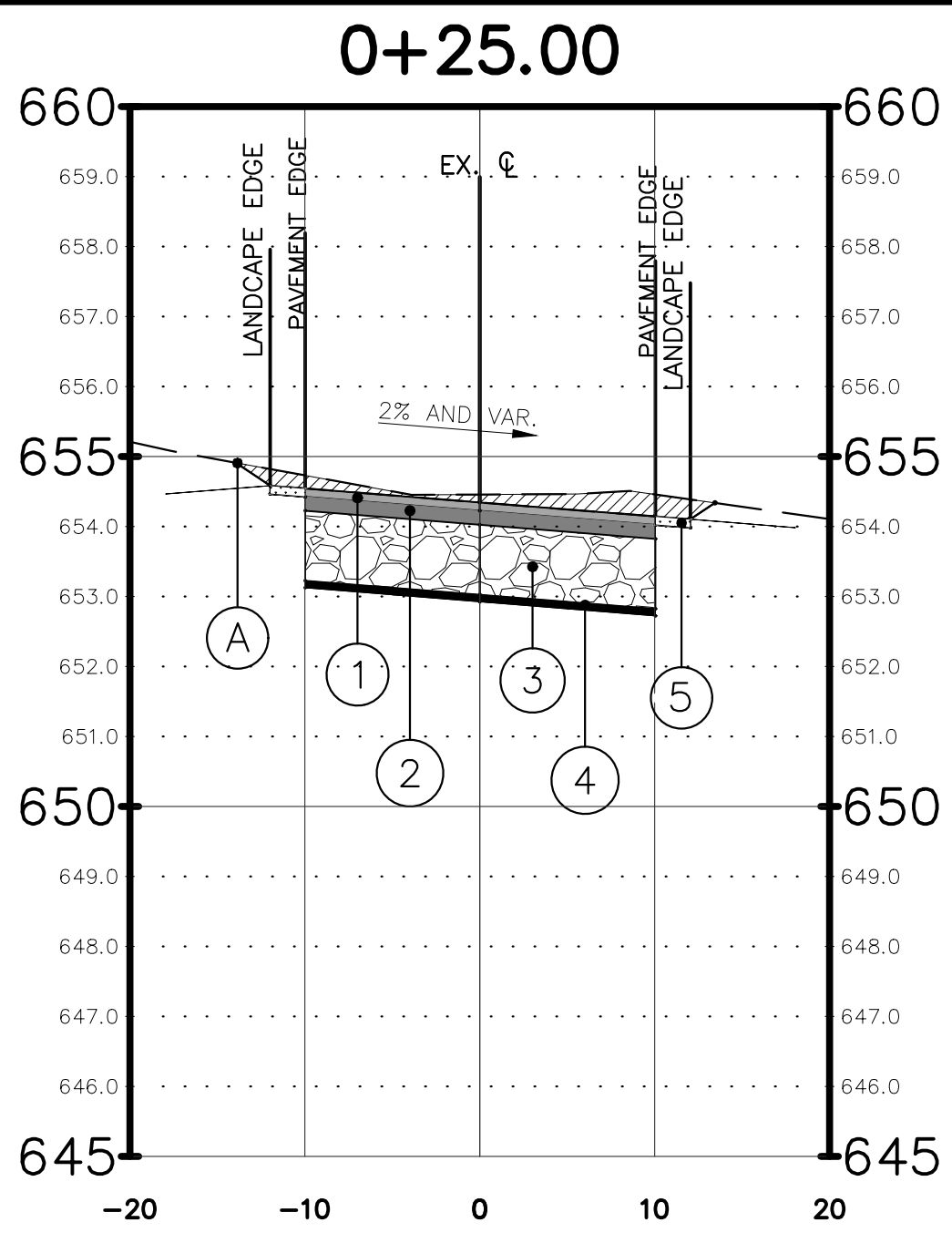


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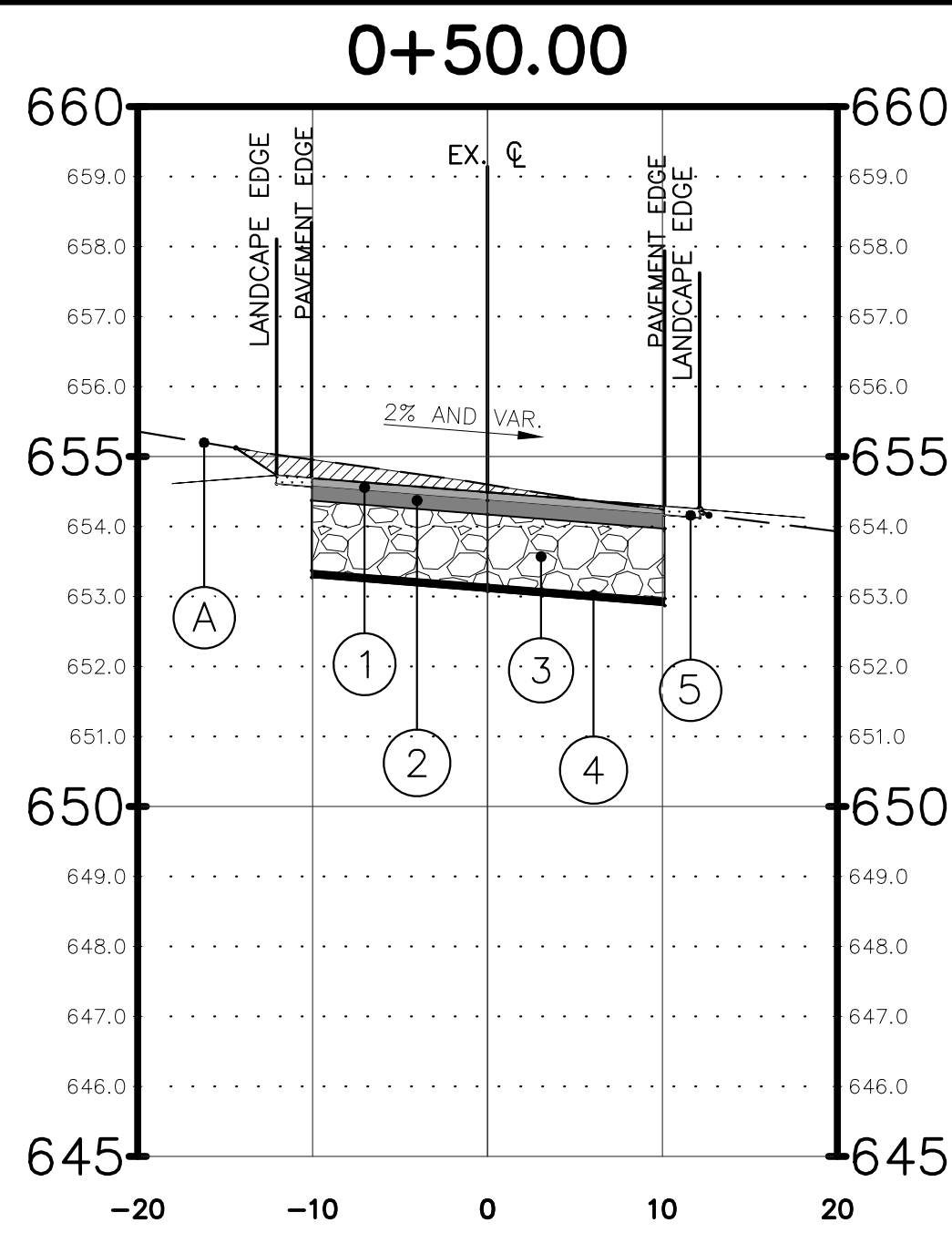
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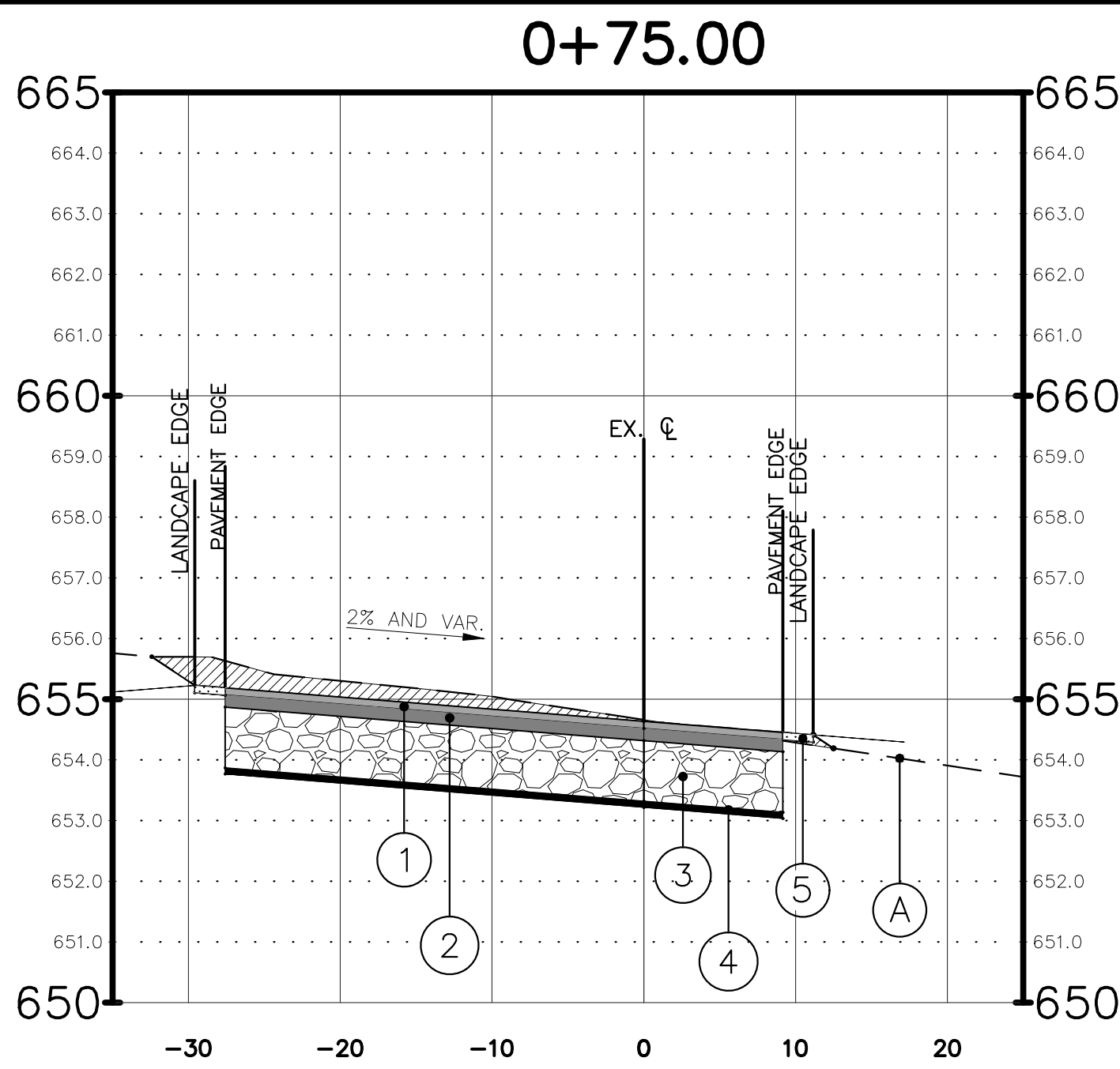
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STA: 0+00 - 0+25



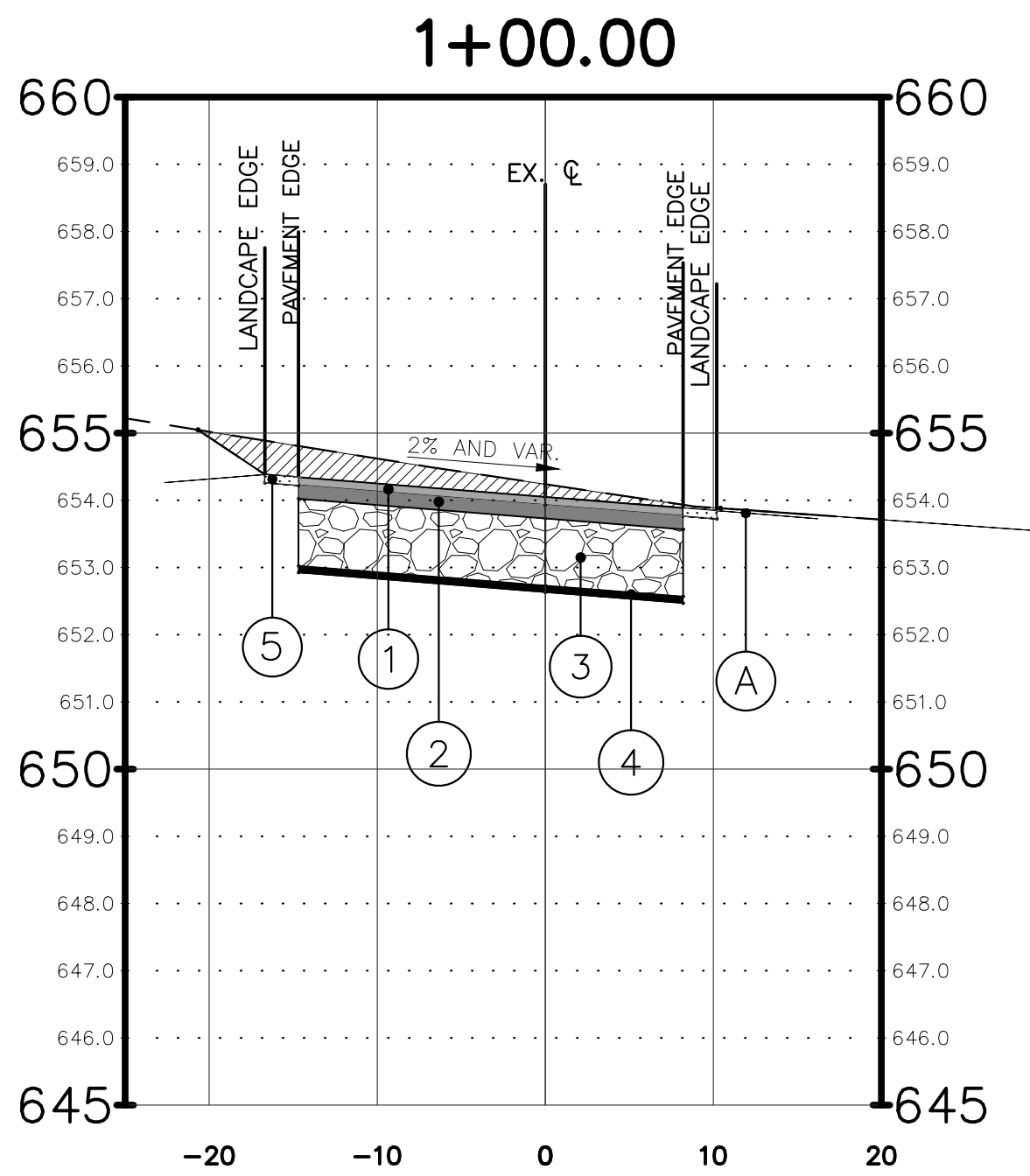
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STA: 0+25 - 0+50



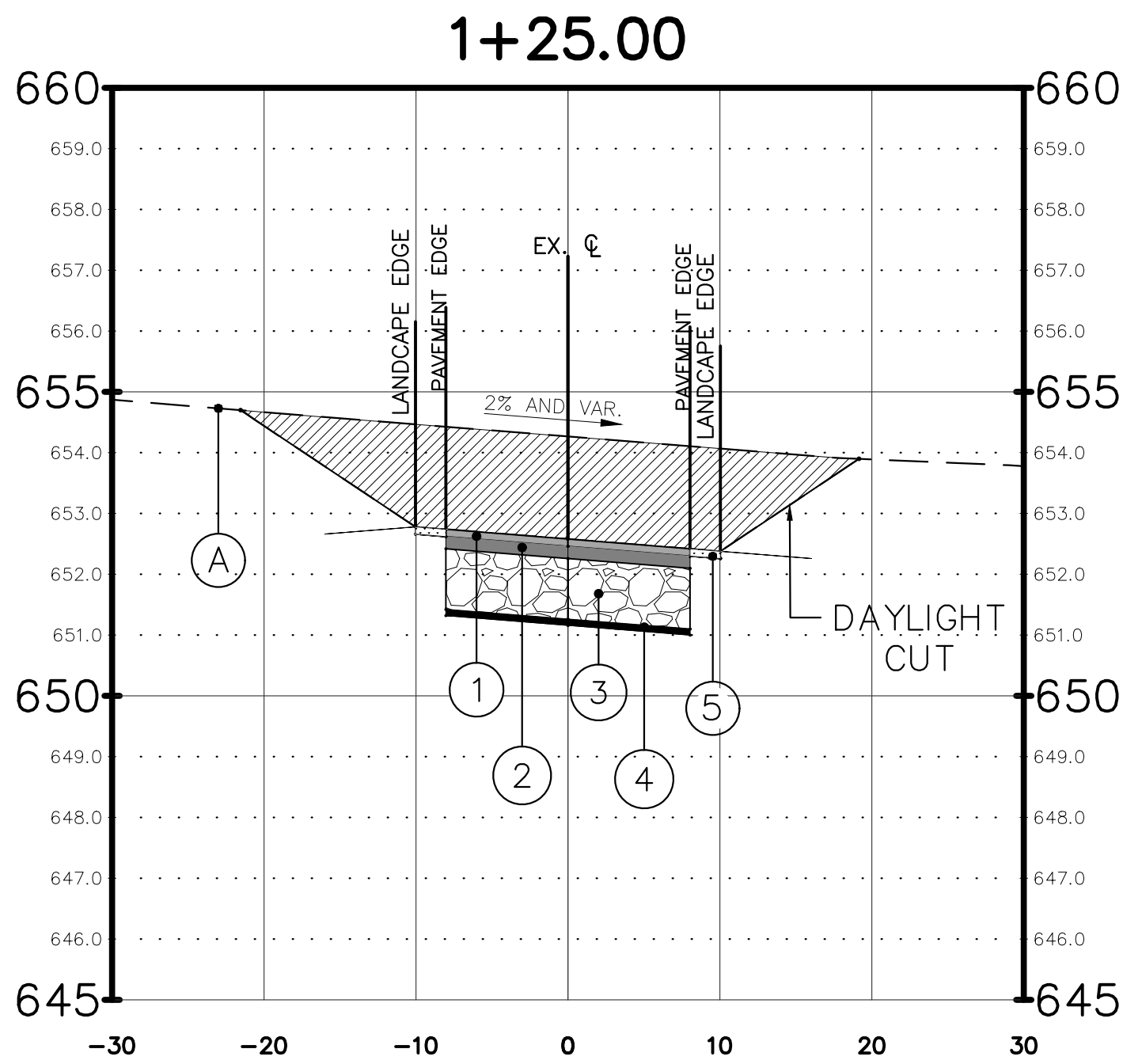
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STA: 0+00 - 0+75



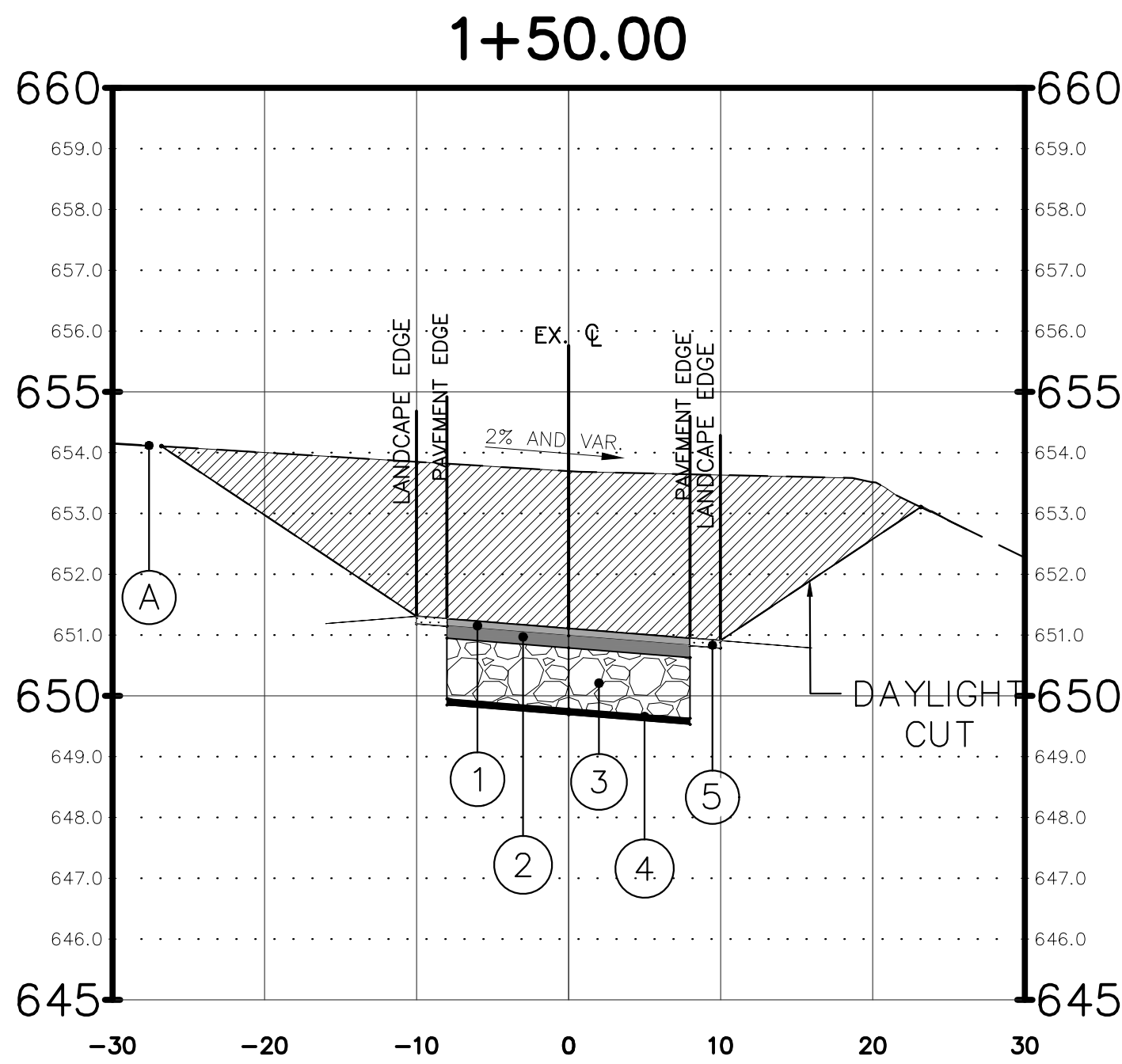
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STA: 0+75 - 1+00



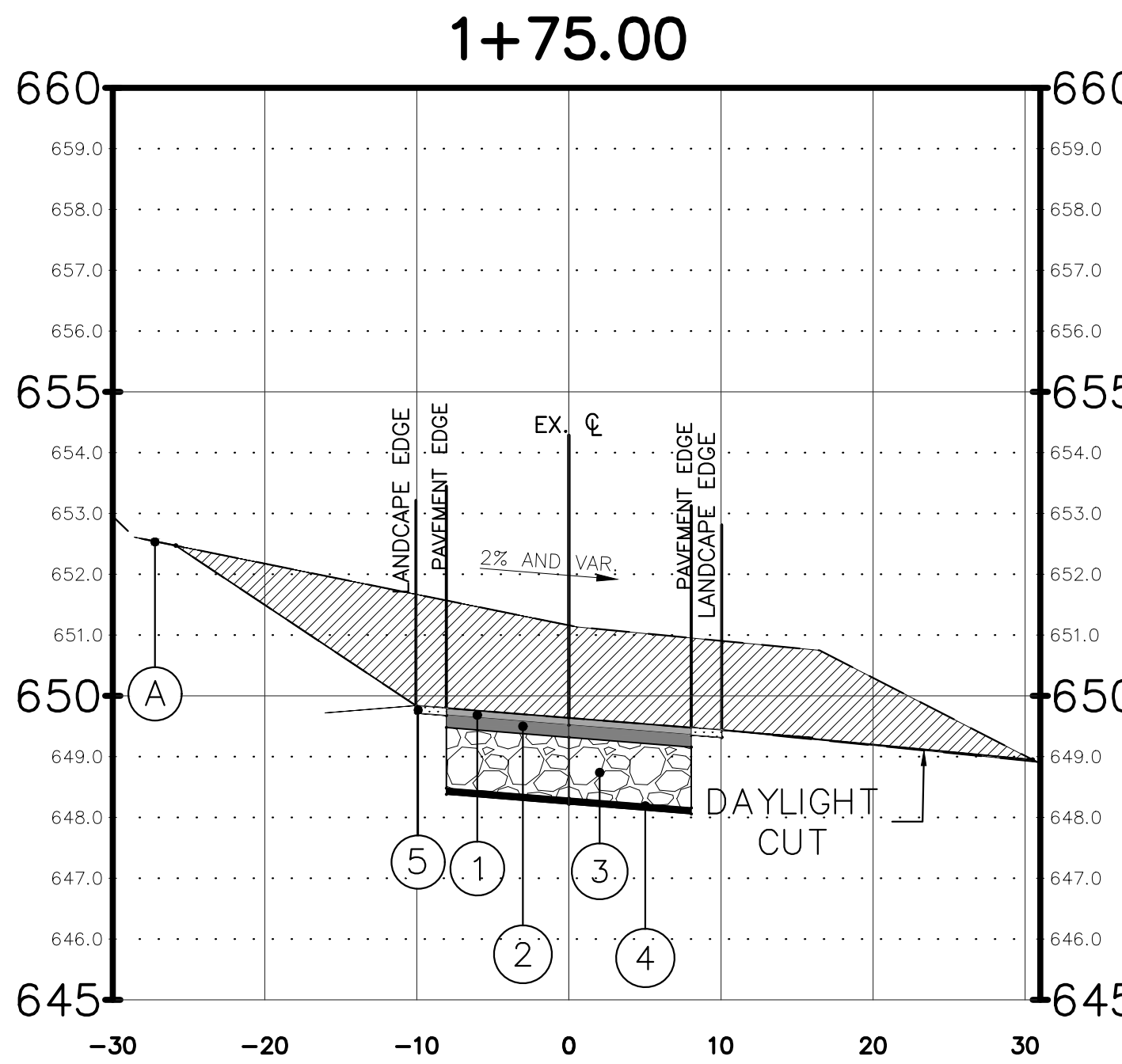
PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 1+00 - 1+25



PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 1+25 - 1+50



PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 1+50 - 1+75 SAN ELEVATION - 639.39

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.	LR1030-2
	HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR.	LR1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 GYR.	LR1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
THE UNIT WEIGHT USED TO CALCULATE ALL HMA BINDER MIXTURE QUANTITIES IS 110 LBS/SQ YD/IN

NOTES:

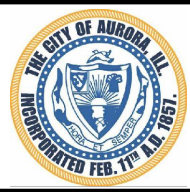
- SUBGRADE MUST BE SHAPED PARALLEL TO FINISHED COURSE TO OBTAIN A SOUND FREE-DRAINING SUBGRADE TO THE EDGE OF PAVEMENT
- SELECTED COMPACTED SUBGRADE WITH A MIN. I.B.R. OF 3.0
- SURFACE AND BINDER SHALL MEET THE LATEST EDITION OF IDOT'S STANTARD FOR ROAD AND BRIDGE CONSTRUCTION

EXISTING LEGEND

(A) EXISTING GROUND

PROPOSED LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
- HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 5.0"
- 12" COMPACTED CA-6
- PROPEX GEOTEX 601
- LANDSCAPE SHOULDER



CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY: S.W. CHECKED BY: KTM SCALE: N.T.S.
DRAWN BY: AHB APPROVED BY: KTM DATE: 7/2025

PROJECT

WTP DRIVEWAY

SHEET TITLE

TYPICAL SECTIONS

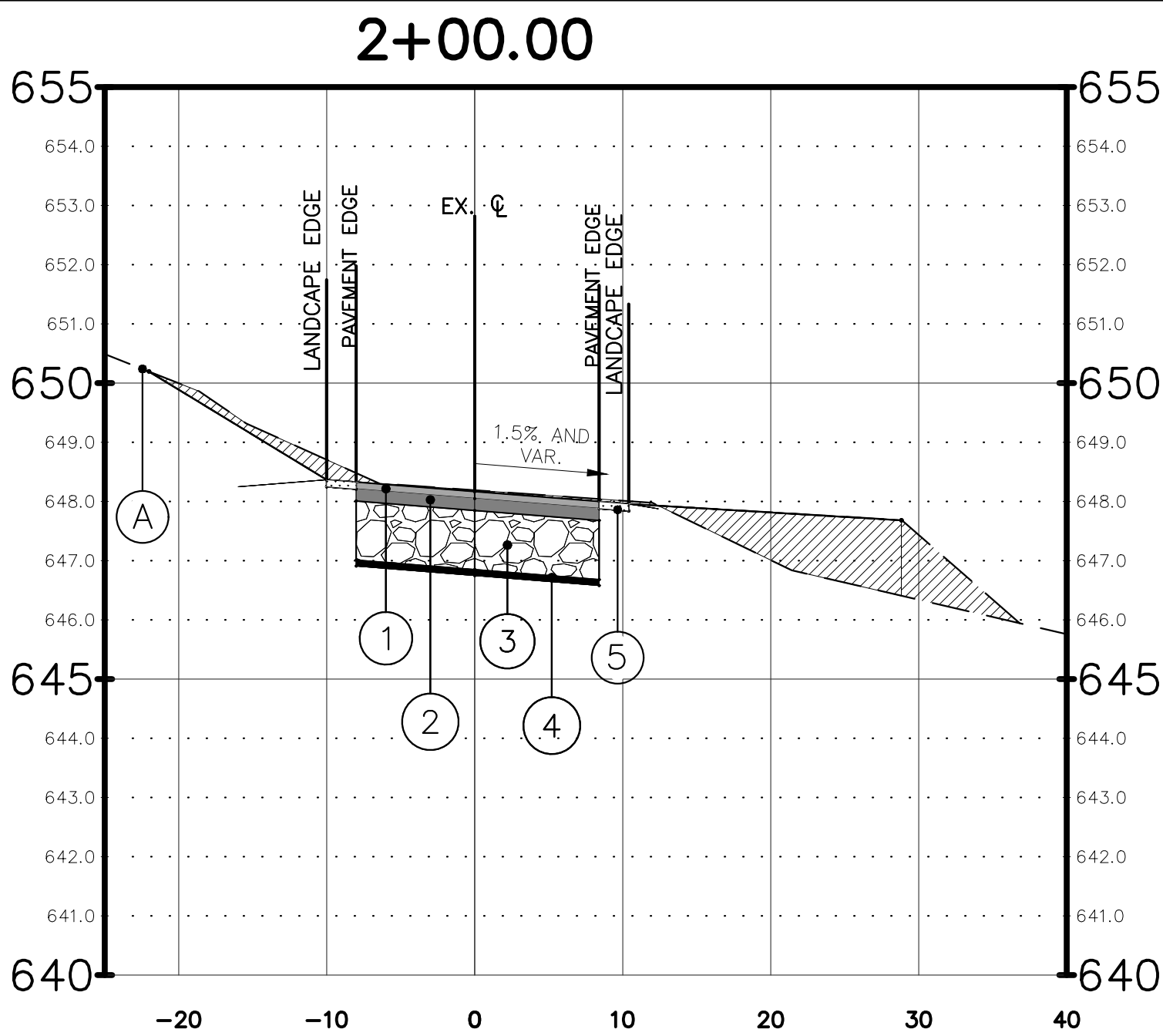
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TOTAL SHEETS

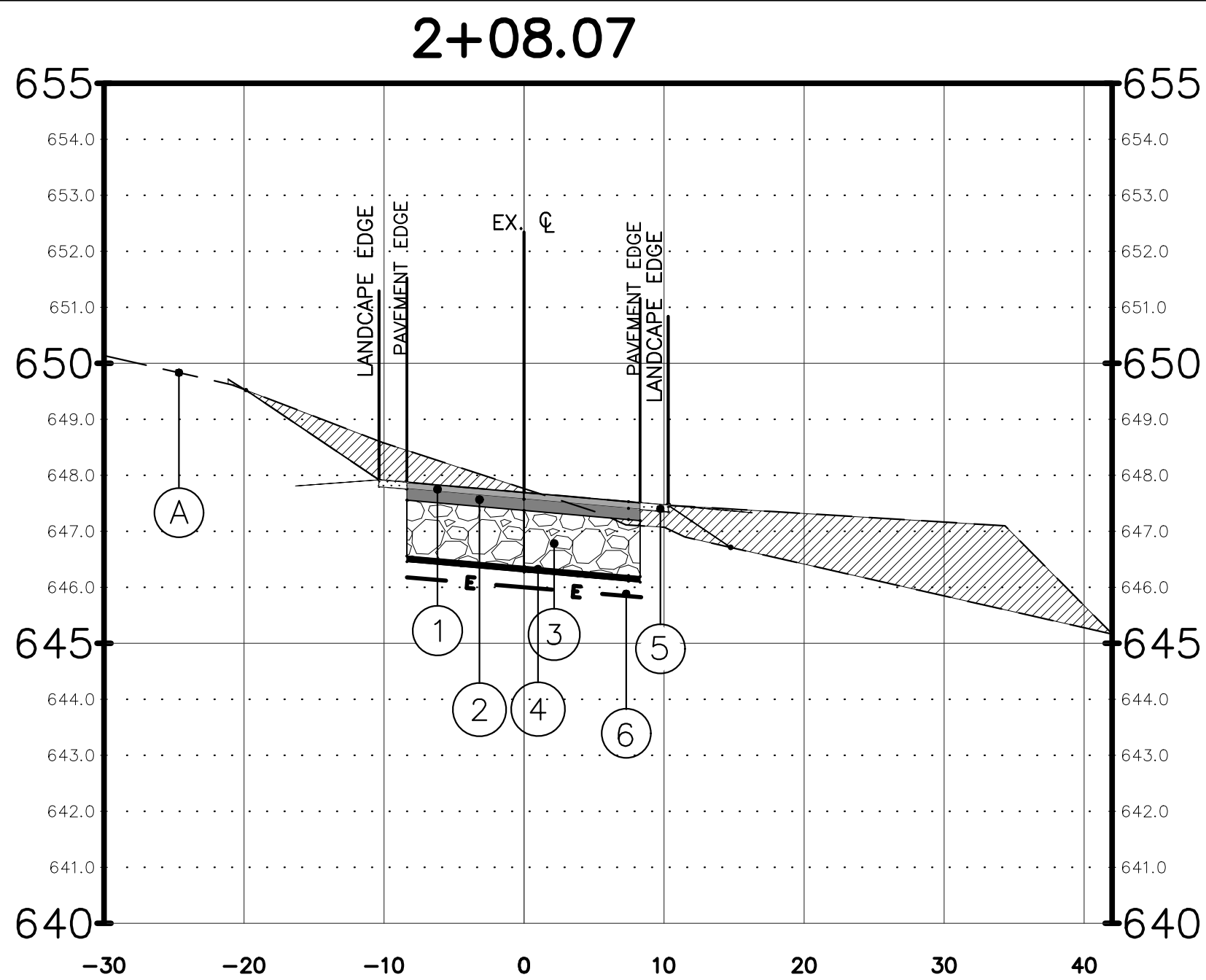
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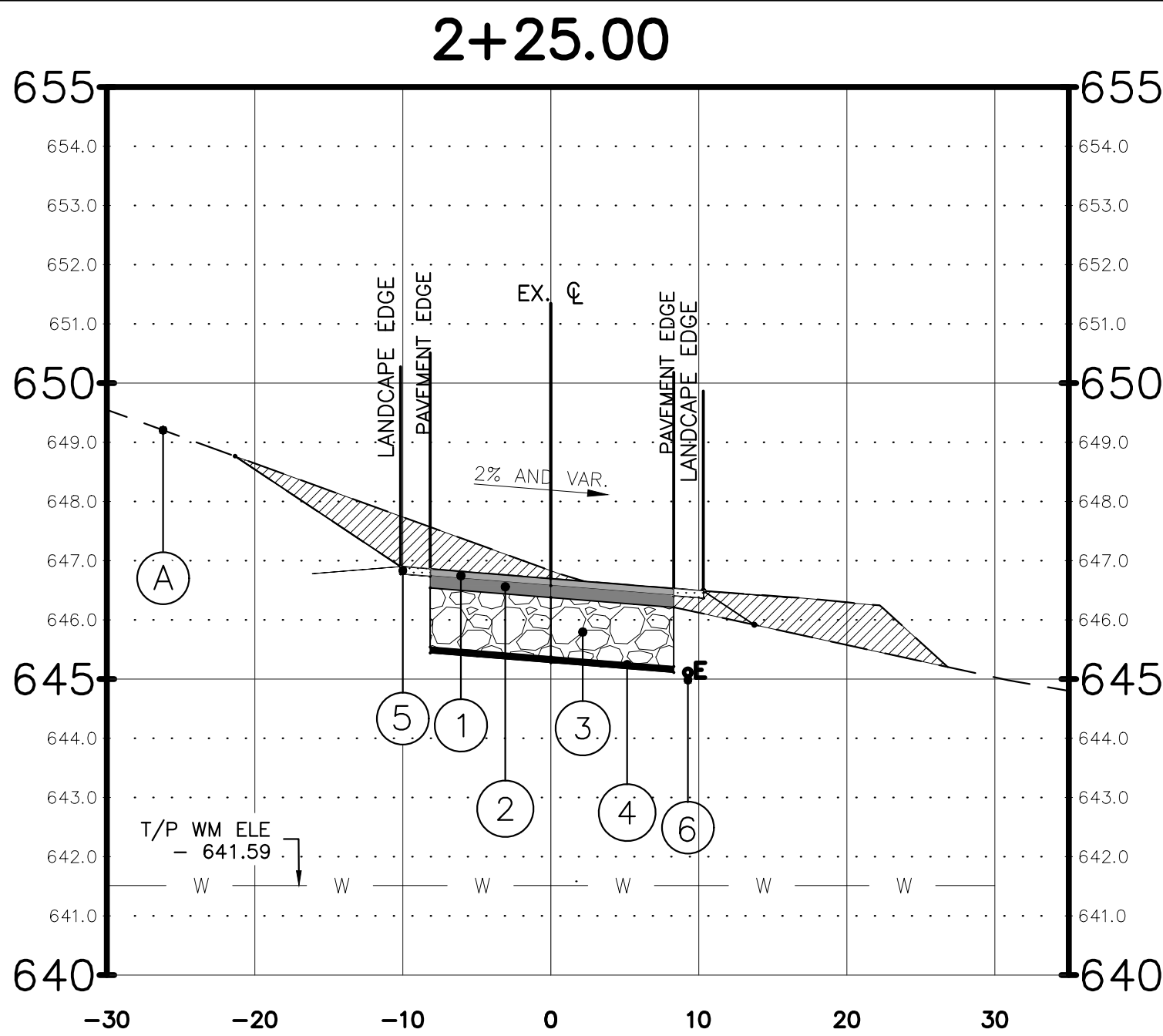
PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 1+75 - 2+00



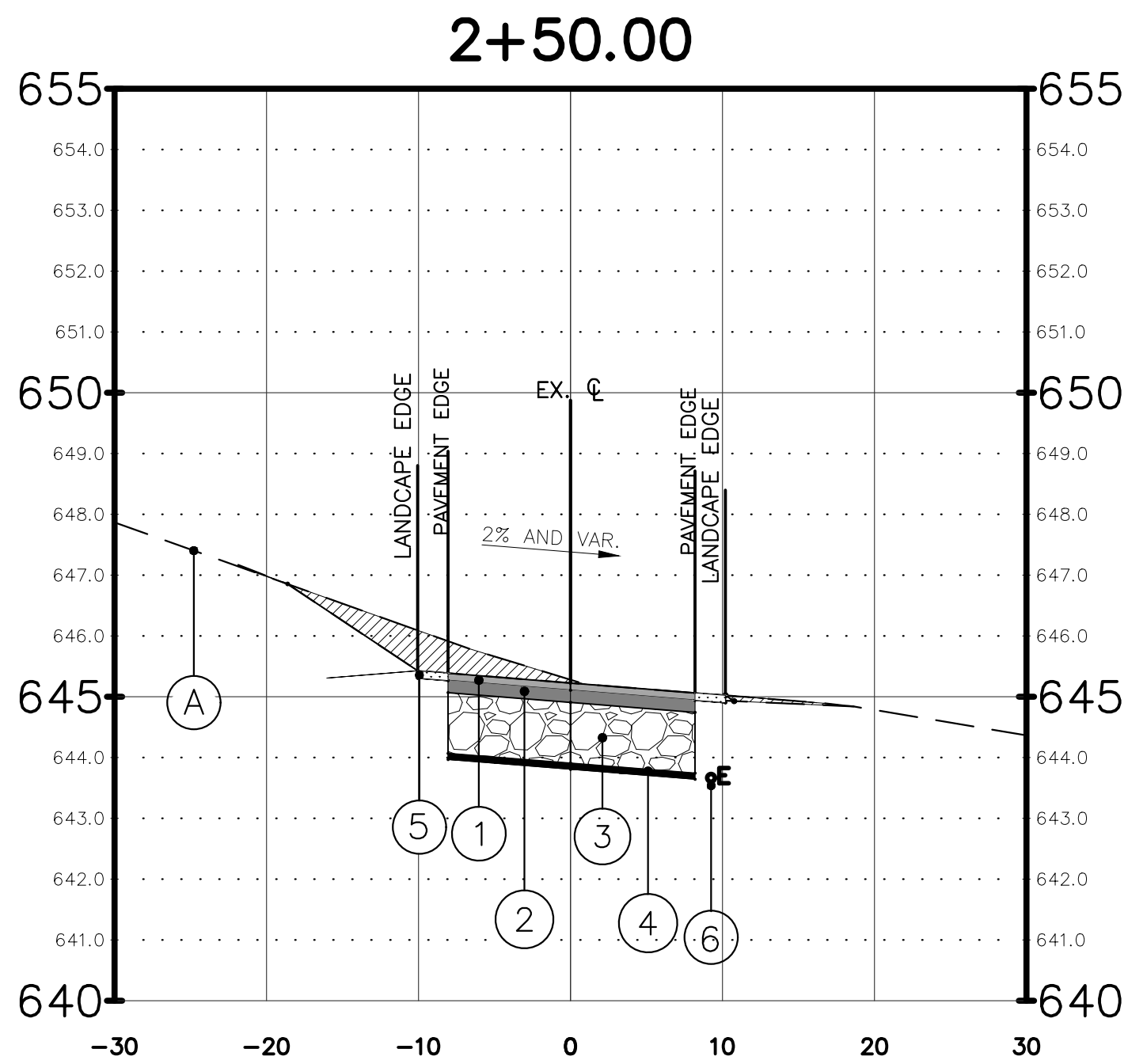
PROPOSED TYPICAL SECTION - WTP ENTRANCE GATE

STA: 2+00 - 2+08



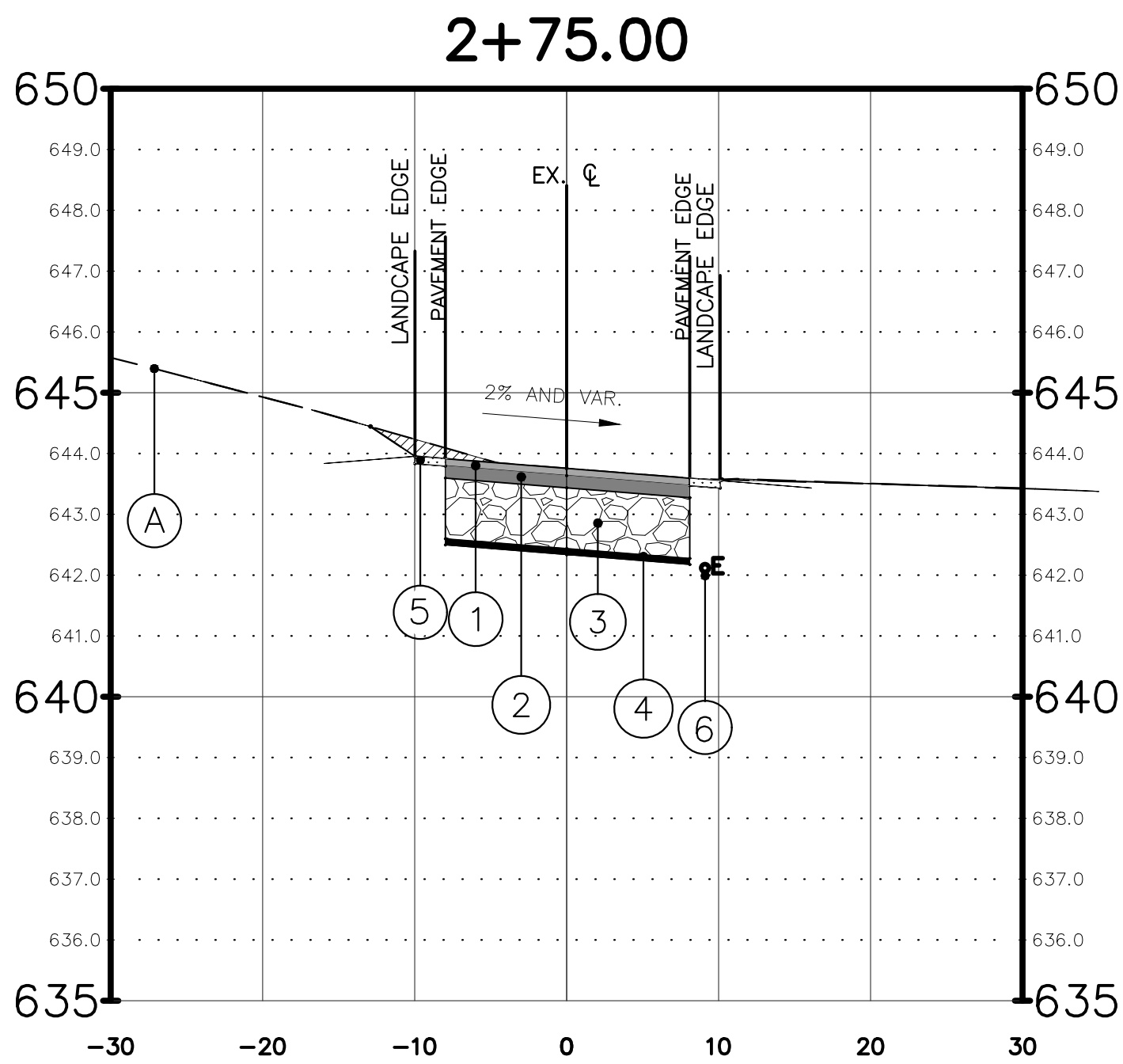
PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 2+08 - 2+25



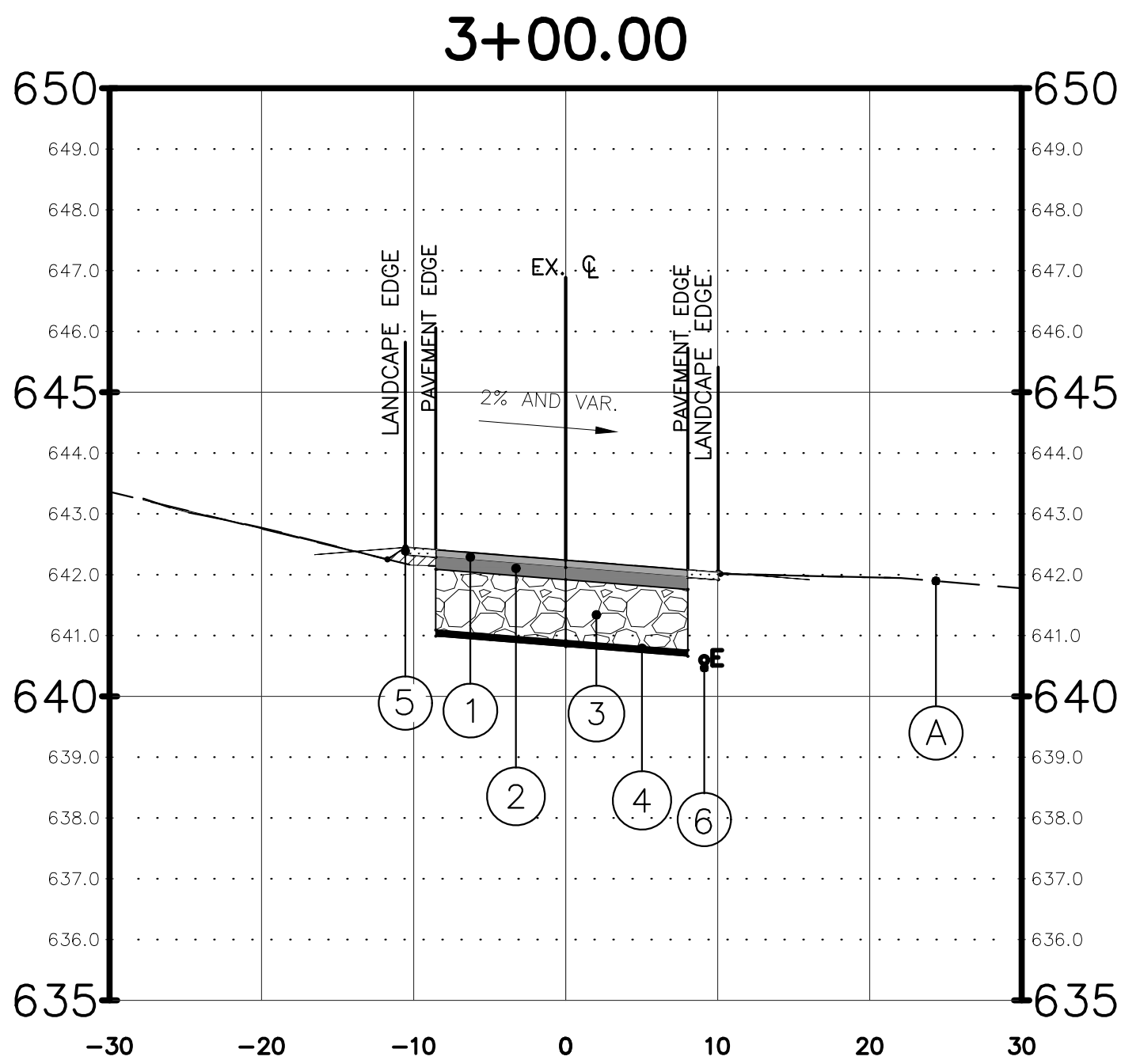
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STA: 2+25 - 2+50



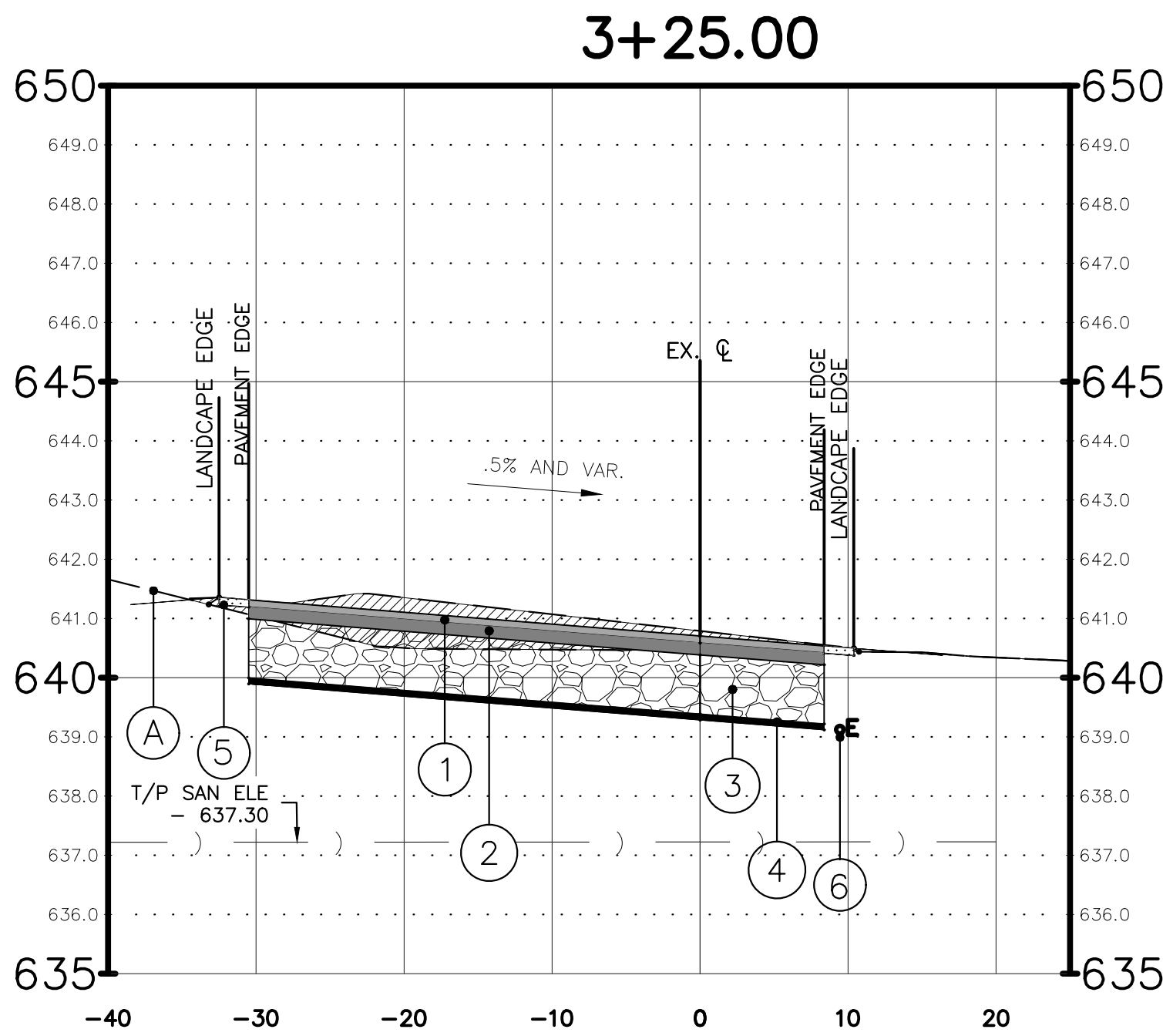
PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 2+50 - 2+75



PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 2+75 - 3+00



PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 3+00 - 3+25

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.	LR1030-2
	HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR.	LR1030-2
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QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2

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THE UNIT WEIGHT USED TO CALCULATE ALL HMA BINDER MIXTURE QUANTITIES IS 110 LBS/SQ YD/IN
NOTES:

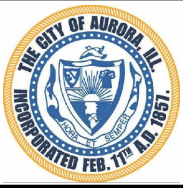
- SUBGRADE MUST BE SHAPED PARALLEL TO FINISHED COURSE TO OBTAIN A SOUND FREE-DRAINING SUBGRADE TO THE EDGE OF PAVEMENT
- SELECTED COMPACTED SUBGRADE WITH A MIN. I.B.R. OF 3.0
- SURFACE AND BINDER SHALL MEET THE LATEST EDITION OF IDOT'S STANTARD FOR ROAD AND BRIDGE CONSTRUCTION

EXISTING LEGEND

(A) EXISTING GROUND

PROPOSED LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
- HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 5.0"
- 12" COMPACTED CA-6
- PROPEX GEOTEX 601
- LANDSCAPE SHOULDER
- ELECTRICAL CONDUIT NON METALLIC 3-1 1/2"



CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY:	S.W	CHECKED BY:	KTM	SCALE:	N.T.S
DRAWN BY:	AHB	APPROVED BY:	KTM	DATE:	7/2025

PROJECT

WTP DRIVEWAY

SHEET TITLE

TYPICAL SECTIONS

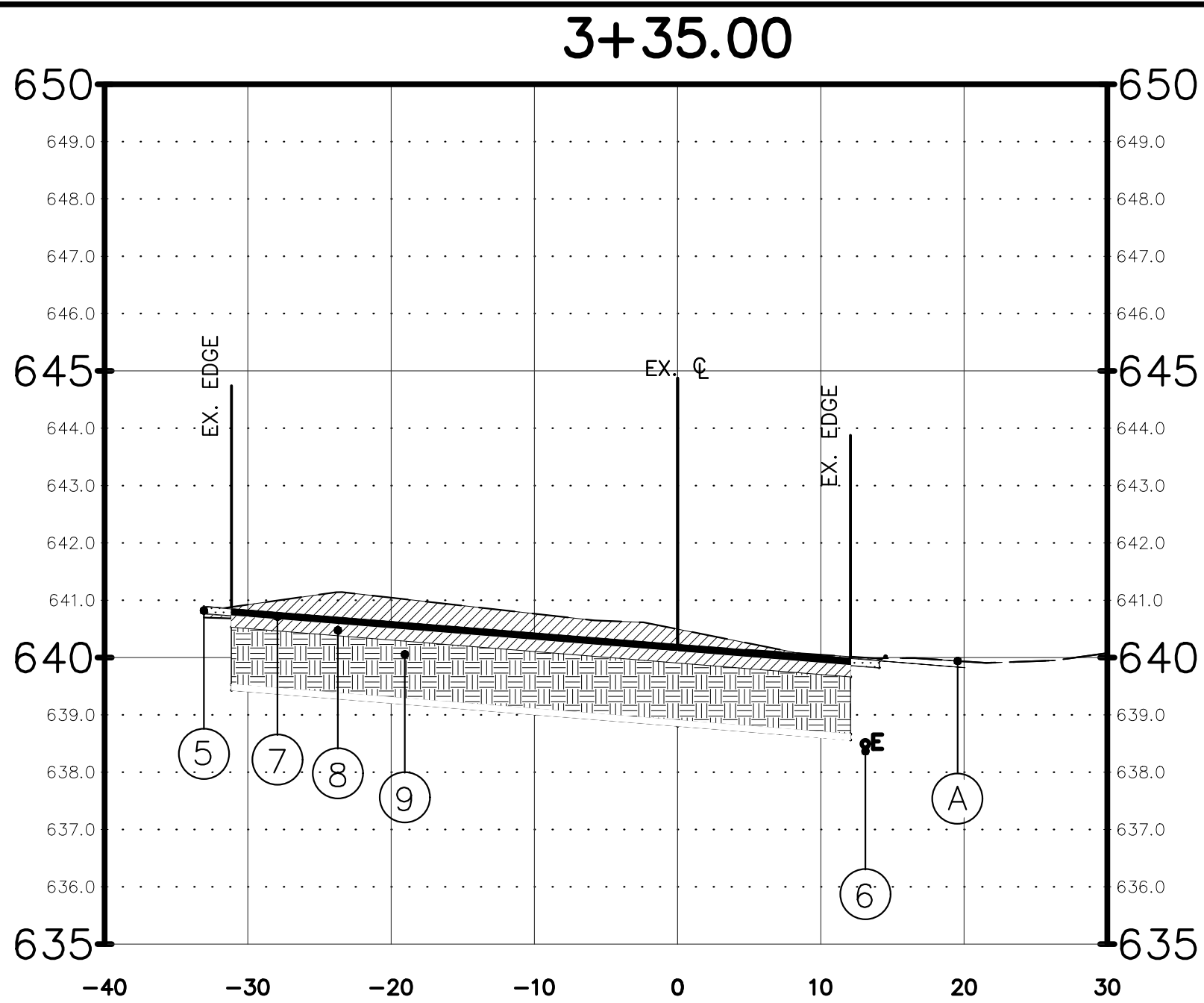
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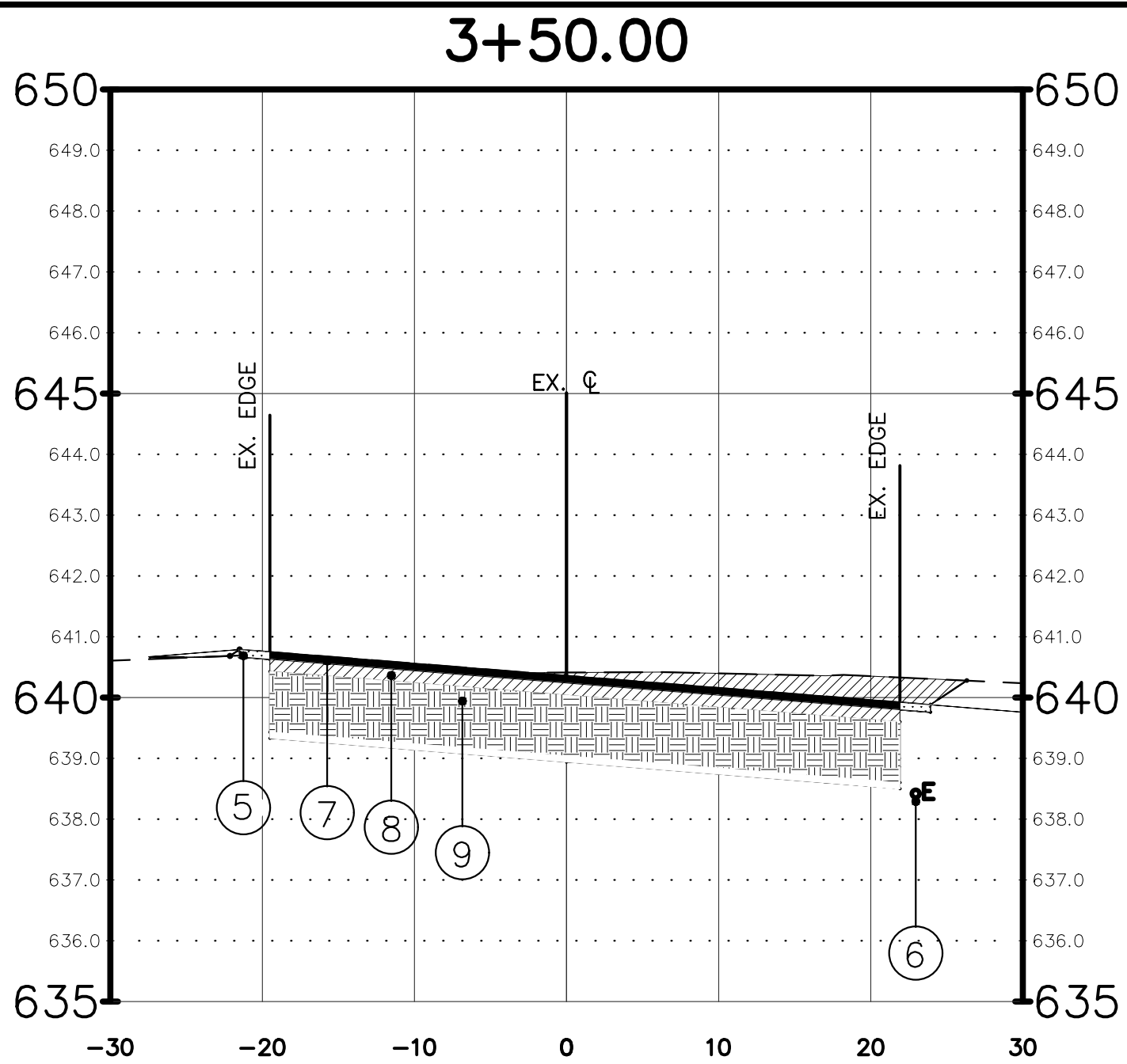
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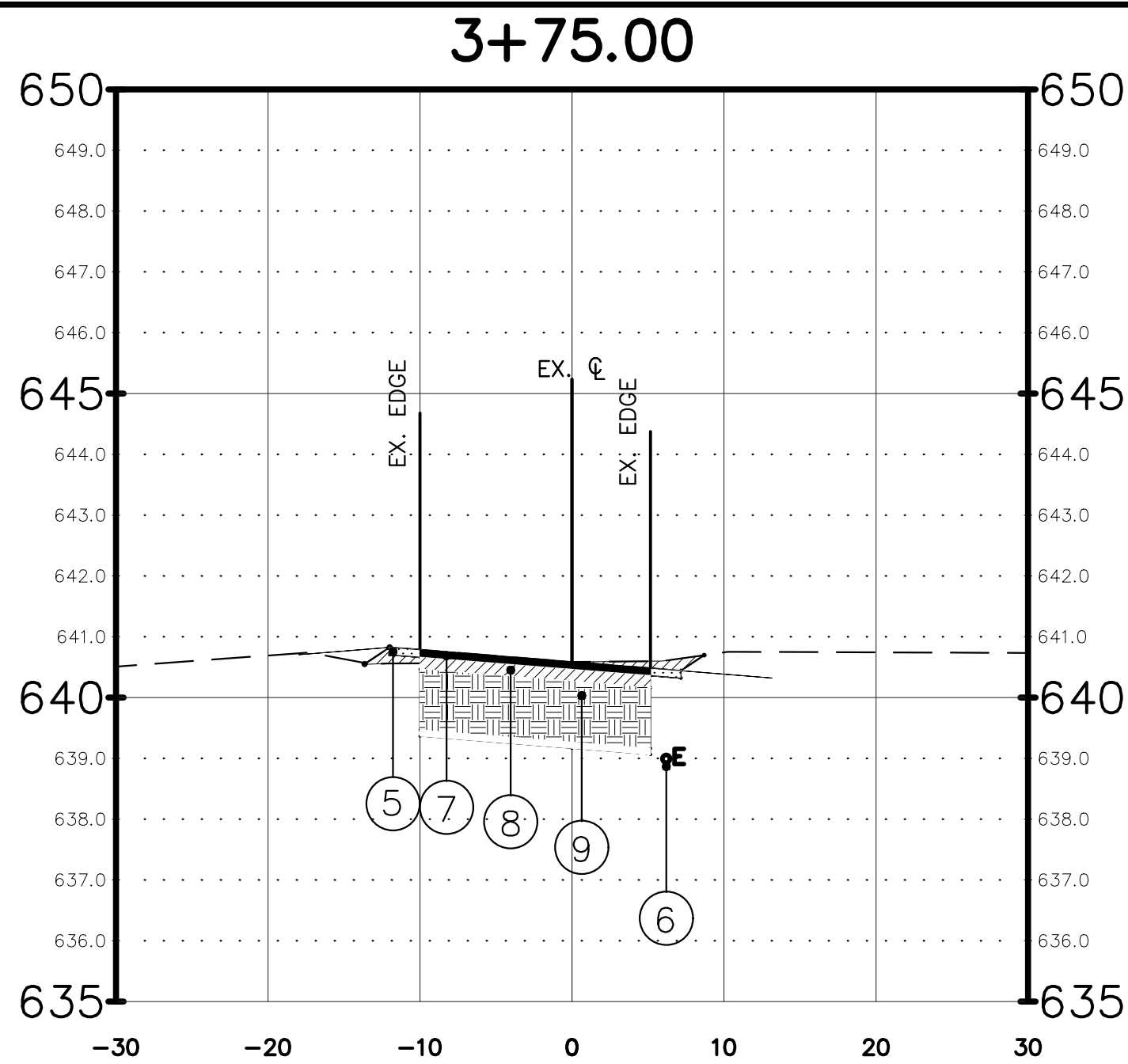
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STA: 3+25 - 3+35



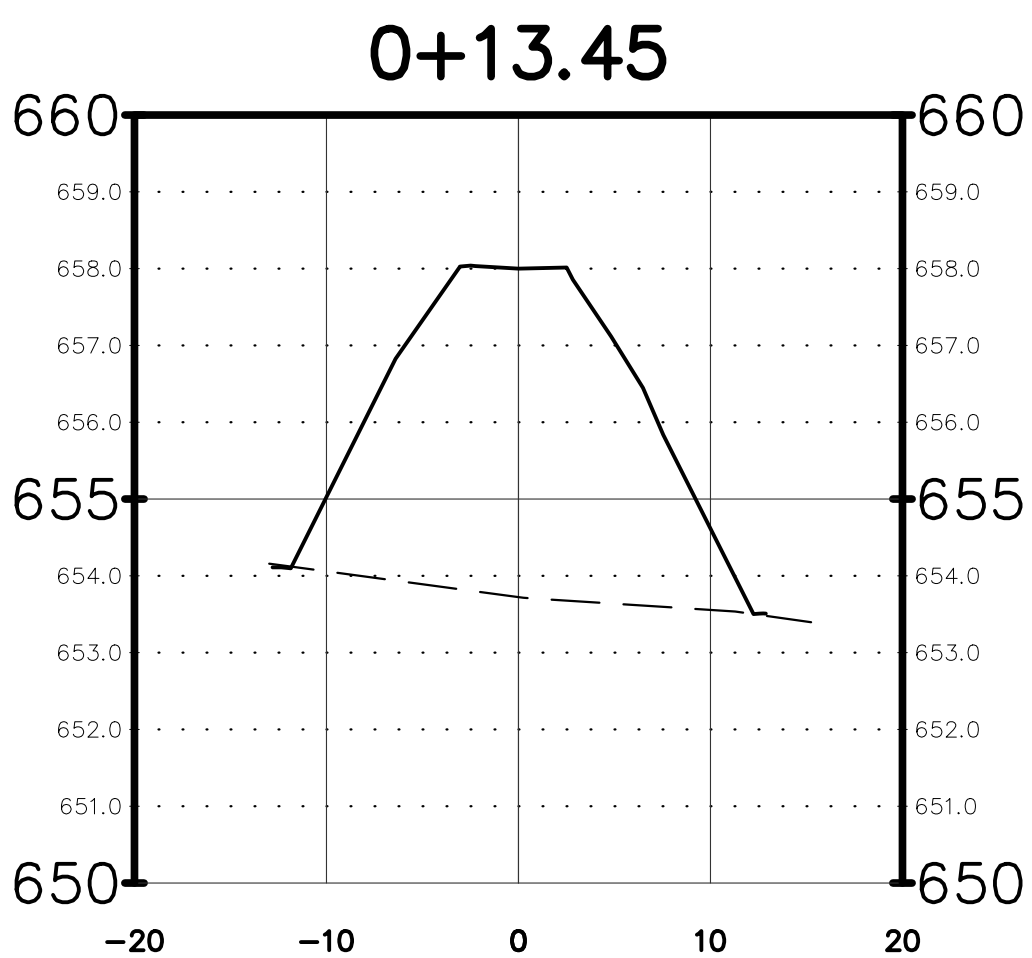
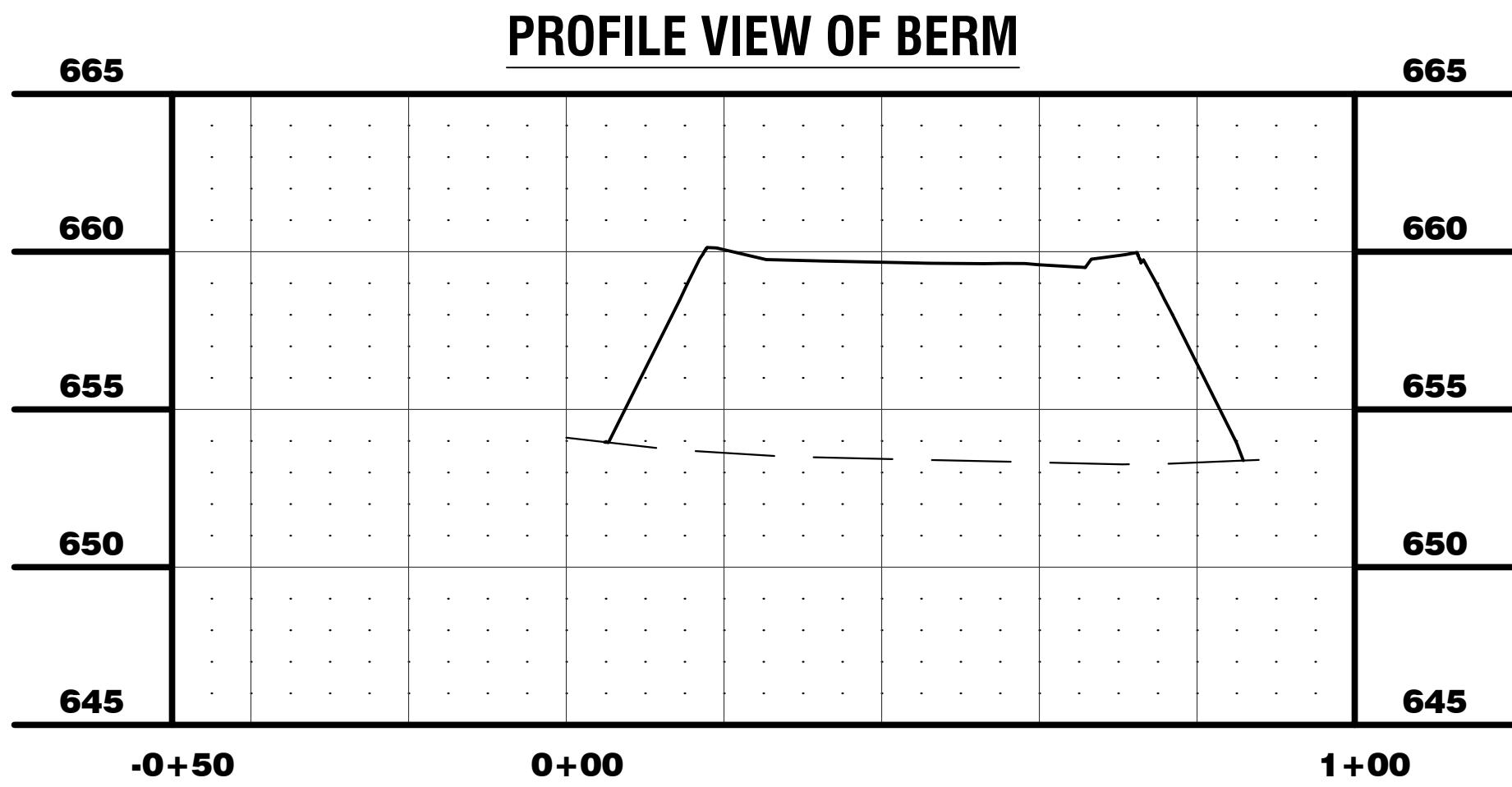
PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 3+35 - 3+50



PROPOSED TYPICAL SECTION - WTP ENTRANCE

STA: 3+50 - 3+75

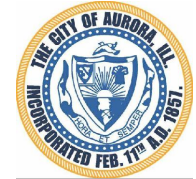


PROPOSED TYPICAL SECTION - BERM

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.	LR1030-2
	HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR.	LR1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 GYR.	LR1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2



CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
THE UNIT WEIGHT USED TO CALCULATE ALL HMA BINDER MIXTURE QUANTITIES IS 110 LBS/SQ YD/IN

NOTES:

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- SELECTED COMPACTED SUBGRADE WITH A MIN. I.B.R. OF 3.0
- SURFACE AND BINDER SHALL MEET THE LATEST EDITION OF IDOT'S STANTARD FOR ROAD AND BRIDGE CONSTRUCTION

EXISTING LEGEND

(A) EXISTING GROUND

PROPOSED LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
- HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 5.0"
- 12" COMPACTED CA-6
- PROPEX GEOTEX 601
- LANDSCAPE SHOULDER
- ELECTRICAL CONDUIT NON METALLIC 3-1 1/2"
- MILL / INSTALL HMA SURFACE COURSE, MIX "D", IL-9.5, 1.5"
- EXISTING HMA
- EXISTING GROUND

PROJECT

WTP DRIVEWAY

SHEET TITLE

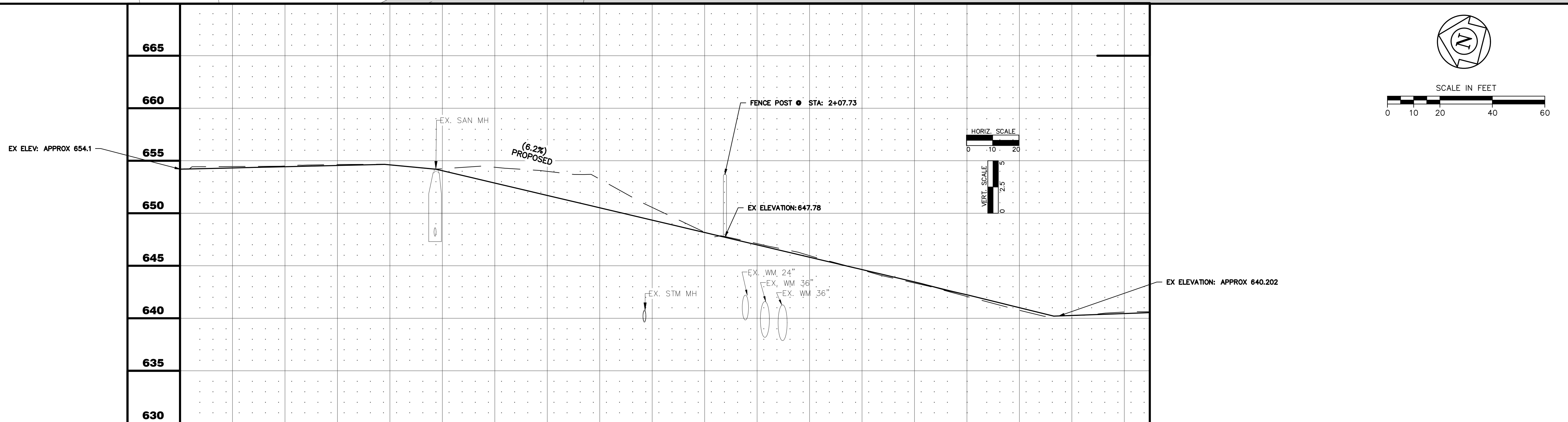
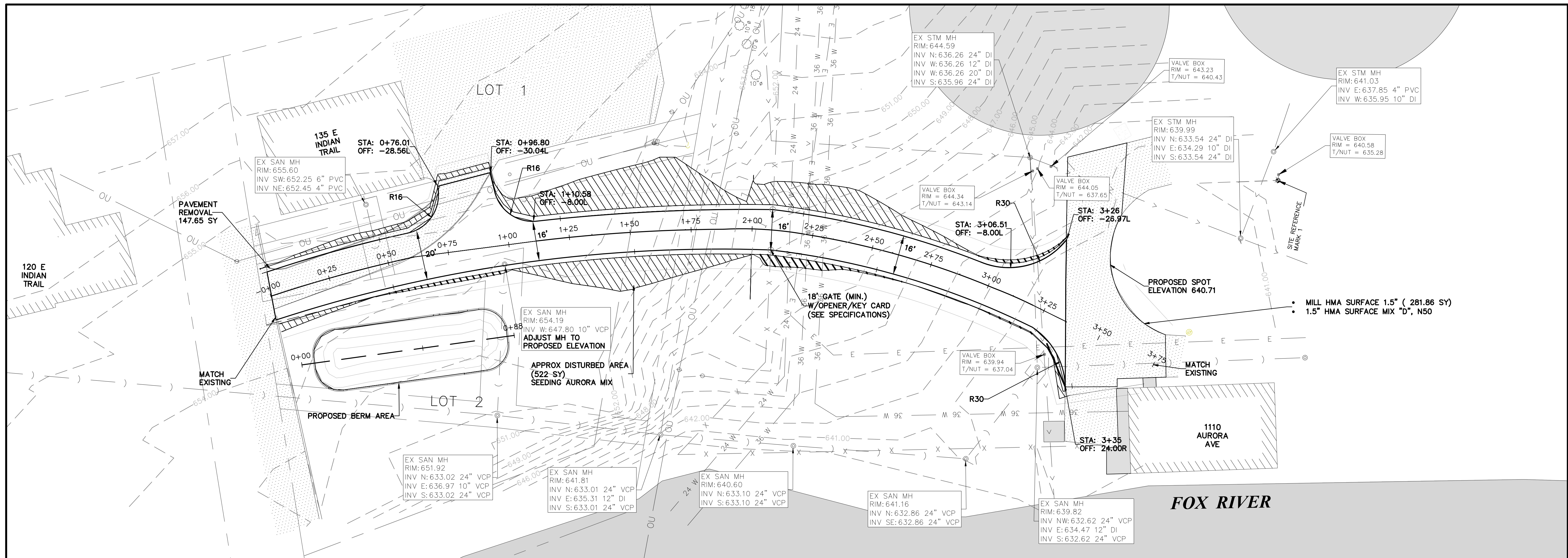
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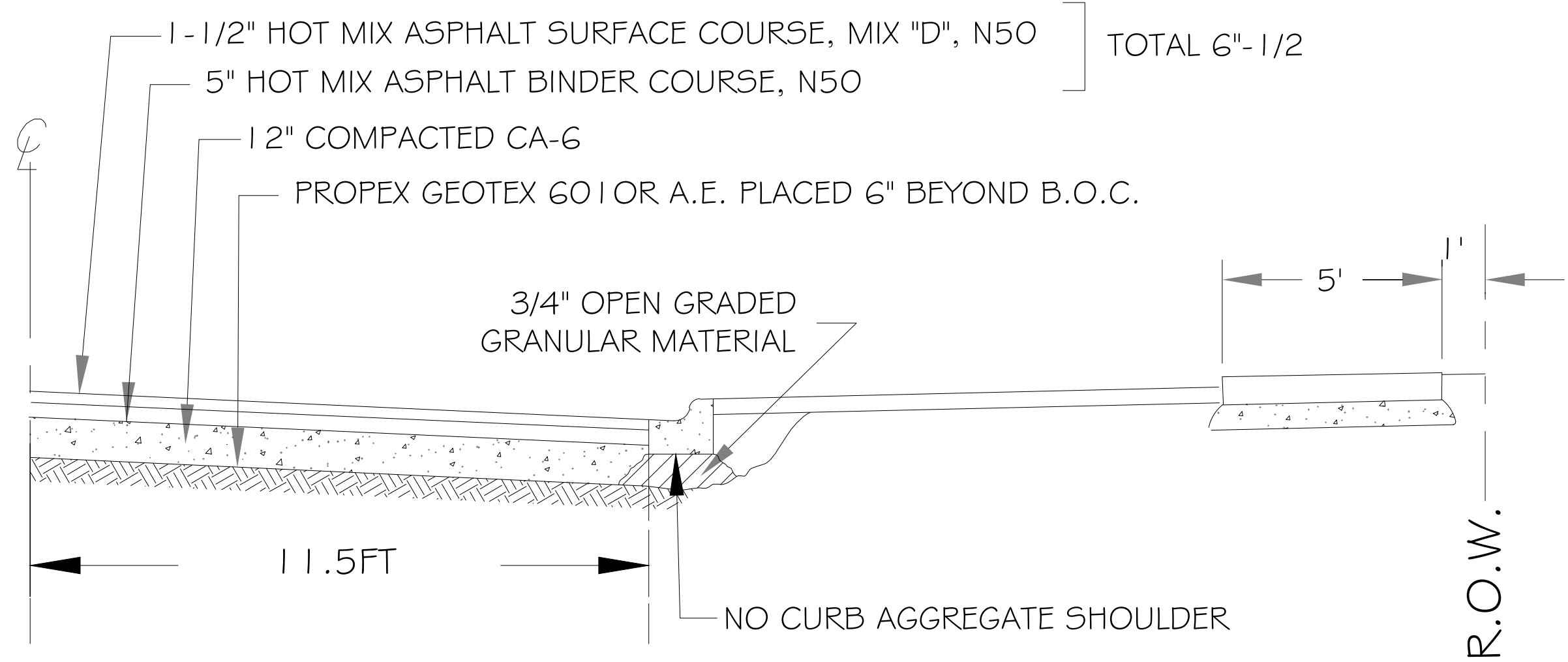
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TOTAL SHEETS

8



MINOR COLLECTOR STREET
(TYPICAL DESIGN)



- NOTES:
- 1. SUBGRADE MUST BE SHAPED PARALLEL TO FINISHED COURSE TO OBTAIN A SOUND FREE-DRAINING SUBGRADE TO THE EDGE OF PAVEMENT.
 - 2. SELECTED COMPACTED SUBGRADE WITH A MIN. I.B.R. OF 3.0
 - 3. SURFACE AND BINDER SHALL MEET THE LATEST EDITION OF IDOT'S STANDARD FOR ROAD AND BRIDGE CONSTRUCTION



REVISIONS

DATE:	BY:
01/2013	DG
02/2022	CA

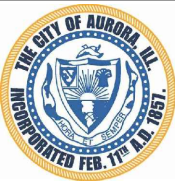
MINOR COLLECTOR STREET

SCALE:	CHECKED:
NOT TO SCALE	DF
DATE:	DRAWN:
1/04	NM/SAZ

DRAWING NUMBER:
EXHIBIT II-B-2

Total Volume Table

Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
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0+25.00	0.00	4.67	0.05	3.70	0.05	3.70
0+50.00	0.25	3.15	0.11	3.63	0.16	7.32
0+75.00	0.95	9.35	0.54	6.16	0.70	13.49
1+00.00	0.00	7.97	0.44	8.02	1.14	21.50
1+25.00	0.00	51.20	0.00	27.45	1.14	48.95
1+50.00	0.03	93.54	0.01	67.06	1.15	116.01
1+75.00	0.00	66.25	0.01	73.92	1.16	189.93
2+00.00	12.57	3.22	5.54	32.08	6.70	222.02
2+08.07	32.20	7.25	5.58	1.67	12.29	223.68
2+25.00	10.63	9.91	11.85	5.65	24.14	229.33
2+50.00	1.43	6.34	5.32	7.74	29.46	237.07
2+75.00	1.02	1.29	1.12	3.62	30.58	240.69
3+00.00	3.62	0.06	2.16	0.64	32.74	241.33
3+25.00	20.78	0.00	11.69	0.03	44.43	241.36
3+35.00	13.83	0.17	6.41	0.03	50.84	241.39
3+50.00	1.23	6.85	4.18	1.95	55.02	243.34
3+75.00	1.83	0.75	1.42	3.52	56.44	246.87



CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY:	S.W	CHECKED BY:	KTM	SCALE:	N.T.S.
DRAWN BY:	AHB	APPROVED BY:	KTM	DATE:	7/2025

PROJECT

WTP DRIVEWAY

SHEET NUMBER
8

SHEET TITLE

STANDARD DETAILS

TOTAL SHEETS
8