

FEDERAL AID PROGRAM ENGINEER: CHAD RIDDLER, P.E. (847) 705-4406, SCHAUMBURG, IL

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

04-27-2018 LETTING ITEM 147

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

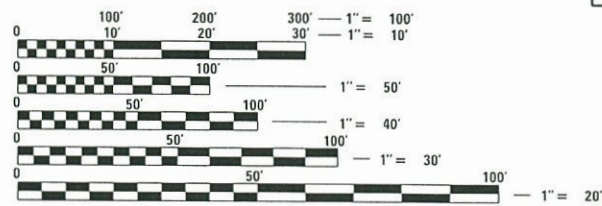
# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 151/152 (SAYTON ROAD)  
RECONSTRUCTION, DRAINAGE, BIKE/PED PATH  
SAYTON RD, US ROUTE 12 TO ROLLINS RD  
SAYTON RD, ROLLINS RD TO INDUSTRIAL AVE  
SECTION: 04-00018-00-FP  
PROJECT: 3UZR(420)  
VILLAGE OF FOX LAKE  
LAKE COUNTY  
Job. No.: C-91-108-14

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61C48	

### TRAFFIC DATA

ADT (2015) = 1,900  
ADT (2040) = 4,000  
DHV (2040) = 260  
% TRUCKS = 7.0%  
POSTED SPEED = 30 MPH

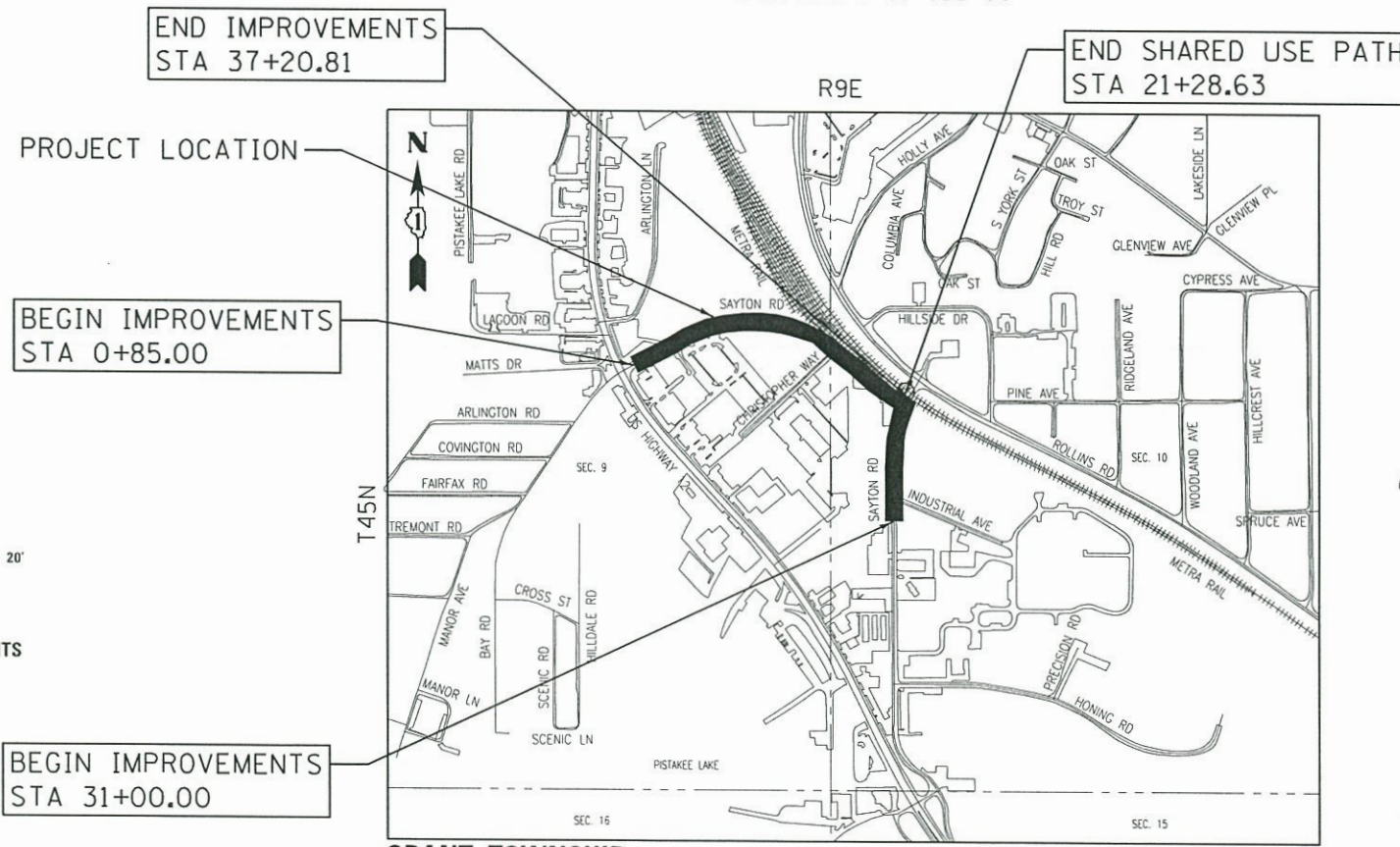


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: ANTONIO E. ACEVEDO, P.E.  
PROJECT MANAGER: RONALD O. NORDMEYER, P.E.

CONTRACT NO. 61C48



### LOCATION MAP

(1" = 500')

GROSS AND NET LENGTH = 2,204 FEET (0.41 MILE)



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



ANTONIO E. ACEVEDO  
062-066125  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
EXPIRES NOV. 30, 2019  
SHEETS 1-27, 69-133  
*Antonio E. Acevedo*  
SIGNATURE  
1-15-2018  
DATE



RONALD O. NORDMEYER  
062-049637  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
EXPIRES NOV. 30, 2019  
SHEETS 33-49  
*Ronald O. Nordmeyer*  
SIGNATURE  
1-15-2018  
DATE



WILLIAM M. ELDRINGHOFF  
062-059445  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
EXPIRES NOV. 30, 2019  
SHEETS 33-49  
*William M. Eldringhoff*  
SIGNATURE  
1-15-18  
DATE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>December 29th 2017</i> <i>Keala Mason</i> VILLAGE OF FOX LAKE, DIRECTOR OF PUBLIC WORKS
PASSED	<i>FEBRUARY 14 2018</i> <i>Christopher Hol...</i> DI ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>FEBRUARY 16 2018</i> <i>Anthony A. Quigley / AS</i> DI REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

DESIGN FIRM REGISTRATION  
No. 184-000450  
118 SOUTH CLINTON STREET  
SUITE 700  
CHICAGO, IL 60661  
PHONE: 312.648.9900  
FAX: 312.648.0204

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS
4-9	SUMMARY OF QUANTITIES
10-13	TYPICAL SECTIONS
14-20	SCHEDULE OF QUANTITIES
21	ALIGNMENT, TIES, AND BENCHMARKS
22-24	REMOVAL PLAN
25-32	PLAN AND PROFILE
33-49	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
50-55	EROSION AND SEDIMENT CONTROL PLAN
56-68	DRAINAGE AND UTILITIES PLAN
69-70	INTERSECTION DETAILS
71-76	PAVEMENT MARKING AND SIGNING
77-78	DRIVEWAY CONSTRUCTION DETAILS
79-87	DISTRICT DETAILS/STANDARDS
88-116	CROSS SECTIONS - SAYTON ROAD (E-W)
117-131	CROSS SECTIONS - SAYTON ROAD (N-S)
132	CROSS SECTIONS - CHRISTOPHER WAY
133	CROSS SECTIONS - INDUSTRIAL AVENUE

**IDOT STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARDS SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-04	PRECAST MANHOLE, TYPE A, 4' (1.22m) DIAMETER
602406-08	PRECAST MANHOLE, TYPE A, 6' (1.83m) DIAMETER
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE B
604051-04	FRAME AND GRATE, TYPE 11
604076-04	FRAME AND GRATE, TYPE 21
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

**IDOT DISTRICT ONE STANDARDS**

STANDARD NO.	DESCRIPTION
BD-7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SYSTEM
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-23	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

**GENERAL NOTES**

- WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED ON APRIL 1, 2016.
- WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS FOR WATER MAIN AND SEWER CONSTRUCTION" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PREPARED BY I.S.P.E., A.G.C.I., I.M.L., AND U.C.A., ADOPTED JULY 2009.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE HIGHWAY STANDARDS ON SHEET NO. 2.
- ALL REFERENCE TO "ENGINEER" SHALL BE INTERPRETED AS THE RESIDENT ENGINEER
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
- THE CONTRACTOR SHALL COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
- THE CONTRACTOR SHALL NOT STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. ENCROACHMENTS BY THE CONTRACTOR ONTO PRIVATE PROPERTY OR PUBLIC AREAS SHALL NOT BE ALLOWED.
- WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL HAVE AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ALL MONUMENTS UNNECESSARILY DESTROYED BY HIS/HER OPERATIONS.
- ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.
- THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS, AND THE TRANSPORTATION AND PLACEMENT OF SUITABLE MATERIALS IN EMBANKMENTS. THE REMAINING EXCAVATION IS CLASSIFIED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, PAVEMENT REMOVAL, CURB AND GUTTER REMOVAL, AND DRIVEWAY PAVEMENT REMOVAL.
- TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN. ALL TREES, STUMPS AND ROOTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF.
- TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE EXISTING TREES OR SHRUBS. ONLY A MINIMUM OF GRADING WILL BE PERMITTED AROUND TREES AS DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL AVOID CONFLICTS BETWEEN OVERHEAD TREE LIMBS AND THE EQUIPMENT USED FOR EXCAVATING. THE CONTRACTOR SHALL AVOID DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED.
- ALL DISTURBED AREAS SHALL BE SODDED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS. SODDING SHALL BE DONE AS SOON AS EACH STAGE IS COMPLETED AS DIRECTED BY THE ENGINEER. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY OR EASEMENTS SHALL BE REESTABLISHED WITH SOD OR SEED AS DIRECTED BY THE ENGINEER.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT- MIX ASPHALT LIFTS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

HOT-MIX ASPHALT (ALL TYPES)	112 LBS/SQ YD/INCH THICK
BITUMINOUS PRIME COAT	0.05 LBS/SQ FT

FILE NAME = F0130545-shr-general notes1.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 40.0000' / in.	DRAWN - LMC	REVISED -			151-152	04-00018-00-FP	LAKE	133	2	
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61C48</b>					
		DATE -	REVISED -			SCALE: NTS	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

**GENERAL NOTES**

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
17. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER.
18. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S BID PRICE FOR VARIOUS STORM DRAINAGE WORK SHOULD REFLECT THE SALVAGE VALUE OF THE ITEMS.
19. STORM SEWER, WATER MAIN QUALITY IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET OR WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER.
20. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 1 FRAME AND LID OR TYPE 8 GRATE ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.
21. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 11V AND TYPE 24 FRAME AND GRATE PLACED WITHIN TYPE B-6,24 CURB AND GUTTER ARE TAKEN ALONG THE EDGE OF FRAME WHICH IS COLINEAR WITH THE EDGE OF PAVEMENT. THIS FRAME ELEVATION IS THUS EQUAL TO THE ADJACENT EDGE OF PAVEMENT ELEVATION FOR HMA PAVEMENT.
22. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED AND NOTIFICATION GIVEN TO THE ENGINEER IF THE EXISTING PIPING OR STRUCTURE IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
23. WHERE PROPOSED STORM SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR STORM SEWERS THE CONNECTIONS SHALL BE MASONRY CONSTRUCTED AROUND THEM TO PREVENT LEAKAGE. CONNECTIONS OF STORM SEWERS TO EXISTING STRUCTURES OR PIPES SHALL BE MADE BY CORE DRILLING HOLES IN THE STRUCTURES. SAW CUTTING HOLES MAY BE ALLOWED WITH THE APPROVAL OF THE ENGINEER.
24. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION BETWEEN THE TWO CONFIGURATIONS MAY BE REQUIRED.
25. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
26. THE VILLAGE OF FOX LAKE HAS ACQUIRED A N.P.D.E.S. PERMIT FOR THIS PROJECT FOR EROSION AND SEDIMENT CONTROL. TO SATISFY THE REQUIREMENTS OF THIS PERMIT, THE CONTRACTOR SHALL PROVIDE INLET AND PIPE PROTECTION, TEMPORARY DITCH CHECKS, PERIMETER EROSION BARRIER, TEMPORARY EROSION SEEDING, AND INLET FILTERS AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH STD. 280001. THE LOCATIONS FOR THE INLET AND PIPE PROTECTION SHALL BE AT ALL DRAINAGE STRUCTURES LOCATED IN SAGS AND AT UPSTREAM ENDS OF CULVERTS. INLET FILTERS SHALL BE INSTALLED AT ALL INLETS AND CATCH BASINS AS DIRECTED BY THE ENGINEER. A PERIMETER EROSION CONTROL BARRIER SHALL BE PLACED ADJACENT TO CONSTRUCTION AREAS TO PREVENT SILT AND SEDIMENT FROM LEAVING THE SITE AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY FOR THE EROSION CONTROL ITEMS HAS BEEN INCLUDED IN THE PROJECT AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
27. HORIZONTAL CENTERLINE CONTROL POINTS AND VERTICAL BENCHMARKS ARE SHOWN FOR THE CONTRACTOR TO PHYSICALLY LOCATE MONUMENTATION IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CENTERLINE CONTROL POINTS OR BENCHMARKS AND SET ADDITIONAL POINTS AND TIES AS NECESSARY SO CONTROL POINTS AND BENCHMARKS CAN BE ACCURATELY REPLICATED DURING CONSTRUCTION.
28. THE VILLAGE OF FOX LAKE SHALL WILL NOTIFY THE PUBLIC, MASS TRANSIT DISTRICT, THE UNITED STATES POSTAL SERVICE, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC MAINTENANCE PLANS. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF FOX LAKE OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC MAINTENANCE PLANS A MINIMUM OF 2 VILLAGE WORK DAYS IN ADVANCE.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF THE SITE PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH ARTICLE 104.06 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL ALSO INCLUDE CLEANING ALL DRAINAGE FACILITIES OF FOREIGN MATERIALS IN ACCORDANCE WITH ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE DONE AS DIRECTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
30. THE CONTRACTOR SHALL USE CARE IN EXCAVATING TRENCHES AND FOLLOW ALL SAFETY REQUIREMENTS. IT WILL BE NECESSARY TO SHORE TRENCHES OR USE TRENCH BOXES TO PROTECT WORKERS AND ADJACENT EXISTING SEWERS OR UTILITIES. GEOTECHNICAL INFORMATION IS AVAILABLE FOR THE EXISTING SOILS AND CAN BE OBTAINED FROM THE ENGINEER UPON REQUEST.
31. BEFORE INSTALLATION OF ANY PROPOSED STORM SEWER ABOVE THE EXISTING GROUND SURFACE, COMPACTED FILL SHALL BE PLACED TO A MINIMUM OF 18 INCHES ABOVE THE PROPOSED TOP OF PIPE ELEVATION. TRENCHES SHALL THEN BE EXCAVATED IN THE COMPACTED FILL FOR THE PIPE INSTALLATION.
32. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER A DUST CONTROL PLAN IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS. DUST CONTROL SHALL BE USED FOR THE EARTHWORK AND LIME MODIFIED SOIL OPERATIONS OR ANY OTHER OPERATIONS THAT WARRANT DUST CONTROL MEASURES AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ALL DUST OR AIRBORNE EROSION FROM ADJACENT PROPERTIES IF CONCERNS OF HEALTH, SAFETY, OR DAMAGE TO THE PUBLIC ARISE FROM CONSTRUCTION OPERATIONS. WATER SHALL BE USED AS A DUST SUPPRESSANT AND CLEANING AGENT UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
33. ANY PROPOSED ACTIVITY IN THE VICINITY OF A HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) UNDER SECTION 6G.18 WORK IN THE VICINITY OF A GRADE CROSSING WHICH STATES: "WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE."
34. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE COMMUTER RAIL DIVISION OF THE REGIONAL TRANSPORTATION AUTHORITY, A DIVISION OF AN ILLINOIS CORPORATION (METRA) WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY METRA TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

**COMMITMENTS**

1. NONE.

FILE NAME = F0130545-sh-t-general notes2.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -						151-152	04-00018-00-FP	LAKE	133	3
Default	PLOT DATE = 2/14/2018	DATE -	REVISED -		SCALE: NTS    SHEET 2    OF 2    SHEETS    STA.    TO STA.				ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61C48													

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY STU 80% FEDERAL 20% LOCAL 0004	BIKE/PED STU 80% FEDERAL 20% LOCAL 0029	WATERMAIN 100% LOCAL 0043
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	135	135		
20101000	TEMPORARY FENCE	FOOT	343	343		
# 20101400	NITROGEN FERTILIZER NUTRIENT	POUND	46	46		
# 20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	46	46		
20200100	EARTH EXCAVATION	CU YD	3,376	3,376		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	339	339		
20800150	TRENCH BACKFILL	CU YD	864	357		507
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	483	483		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3,726	3,726		
# 25200110	SODDING, SALT TOLERANT	SQ YD	3,726	3,726		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	132	132		
28000400	PERIMETER EROSION BARRIER	FOOT	3,001	3,001		
28000510	INLET FILTERS	EACH	54	54		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	133	133		
28100101	STONE RIPRAP, CLASS A1	SQ YD	57	57		
28200200	FILTER FABRIC	SQ YD	57	57		
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	8,699	8,699		
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	56	56		
31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	147		147	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,298		1,298	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1,046	1,046		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,891	4,891		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	91	91		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,615	1,615		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,007	818	189	

LEGEND: \* - SPECIAL PROVISION ITEM, # - SPECIALITY ITEM

FILE NAME = P:\F0130545_Fox Lake - Sayton Road Phase	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	I:\Plans\CADD_Sheets\F01300545_sht-5001.dwg	DRAWN - LMC	REVISED -		SCALE:	SHEET 1	OF 6	SHEETS	STA.	TO STA.	LAKE	133	4
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 61C48								
	PLOT DATE = 2/14/2018	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY STU		BIKE/PED STU		WATERMAIN	
				80% FEDERAL 20% LOCAL 0004	80% FEDERAL 20% LOCAL 0023	80% FEDERAL 20% LOCAL 0023	100% LOCAL 0043		
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,266	3,266					
40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"	SQ YD	150	150					
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1,326			1,326			
42400800	DETECTABLE WARNINGS	SQ FT	32			32			
44000100	PAVEMENT REMOVAL	SQ YD	7,355	7,355					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	91	91					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,281	1,281					
44000300	CURB REMOVAL	FOOT	292	292					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,849	1,849					
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	417	417					
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	4	4					
50105220	PIPE CULVERT REMOVAL	FOOT	56	56					
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4					
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2					
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1					
54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	EACH	6	6					
542D5473	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	144	144					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,270	1,270					
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	606	606					
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	141	141					
*# 56100900	WATER MAIN 12"	FOOT	1,150					1,150	
*# 56105200	WATER VALVES 12"	EACH	3					3	
*# 56105500	INSERTING VALVES 6"	EACH	1					1	
*# 56105600	INSERTING VALVES 8"	EACH	1					1	
* 56106600	ADJUSTING WATER MAIN 12"	FOOT	179	179					

LEGEND: \* - SPECIAL PROVISION ITEM, # - SPECIALITY ITEM

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY STU 80% FEDERAL 20% LOCAL 0004	BIKE/PED STU 80% FEDERAL 20% LOCAL 0023	WATERMAIN 100% LOCAL 0043
*# 56200300	WATER SERVICE LINE 1"	FOOT	61			61
*# 56200700	WATER SERVICE LINE 2"	FOOT	129	129		
*# 56201400	CORPORATION STOPS 1"	EACH	1			1
*# 56201800	CORPORATION STOPS 2"	EACH	1	1		
*# 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	3	3		
*# 56400510	FIRE HYDRANTS TO BE REMOVED AND REPLACED	EACH	3	2		1
*# 56400825	FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE	EACH	3	2		1
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1		
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	331	331		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	10	10		
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	343	343		
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	2	2		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	23	23		
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3		
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	4	4		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	23	23		
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2	2		
*# 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1			1
# 60255500	MANHOLES TO BE ADJUSTED	EACH	2	2		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2		
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1		
*# 60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2		
60600605	CONCRETE CURB, TYPE B	FOOT	260	260		

LEGEND: \* - SPECIAL PROVISION ITEM, # - SPECIALITY ITEM

FILE NAME *	USER NAME * ANinaFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545_sht-5003.dwg	DRAWN - LMC	REVISED -			151-152	04-00018-00-FP	LAKE	133	6
Default	PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -			SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 61C48	
	PLOT DATE = 2/14/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY STU 80% FEDERAL 20% LOCAL 0004	BIKE/PED STU 80% FEDERAL 20% LOCAL 0023	WATERMAIN 100% LOCAL 0043
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	705	705		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3,981	3,981		
63500105	DELINEATORS	EACH	10	10		
# 66400205	CHAIN LINK FENCE, 5'	FOOT	702	702		
# 66401800	CHAIN LINK GATES, 5' X 5' SINGLE	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8		
67100100	MOBILIZATION	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	228	228		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	502	502		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	168	168		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	8,660	8,660		
# 72000100	SIGN PANEL - TYPE 1	SQ FT	116	116		
# 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	15	15		
# 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1		
# 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	34	34		
# 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	45	45		
# 72900100	METAL POST - TYPE A	FOOT	212	212		
# 72900200	METAL POST - TYPE B	FOOT	153	153		
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	9	9		
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	9	9		
# 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	134	134		
# 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,245	5,245		
# 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	248	248		
# 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	489	489		
# 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	60	60		

LEGEND: \* - SPECIAL PROVISION ITEM, # - SPECIALITY ITEM

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		BIKE/PED		WATERMAIN
				STU 80% FEDERAL 20% LOCAL 0004	STU 80% FEDERAL 20% LOCAL 002g	100% LOCAL 0043		
# A2002616	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
# A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
# A2005816	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
# A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
# B2001116	TREE, CERCI CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	1				
# D2003772	EVERGREEN, THUJA OCCIDENTALIS (AMERICAN ARBORVITAE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	1	1				
#* K0029614	WEED CONTROL, AQUATIC	GALLON	3	3				
#* K0029624	WEED CONTROL, TEASEL	GALLON	3	3				
*# X0327085	CASING PIPE, OPEN CUT, 20" PVC	FOOT	155					155
*# X0327547	ABANDON EXISTING UTILITIES	L SUM	1					1
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2,845	2,845				
#* X0335700	PUMP STATION GENERAL WORK	L SUM	1	1				
* X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1				
* X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	17	17				
* X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2				
#* X6026623	VALVE BOX	EACH	4					4
#* X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	25	25				
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
* X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	6,583	6,583				
* Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	1,046	1,046				
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
*# Z0015000	CURB STOPS 1"	EACH	1					1
*# Z0015300	CURB STOPS 2"	EACH	1	1				
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	85	85				
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				

LEGEND: \* - SPECIAL PROVISION ITEM, # - SPECIALITY ITEM

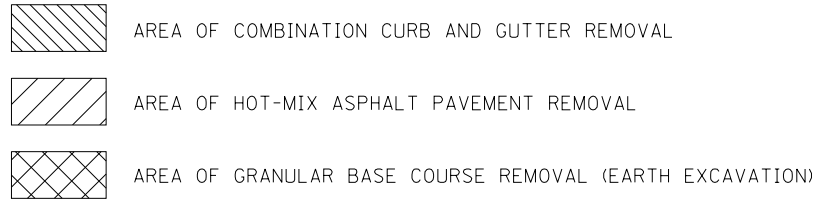
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Default	I:\Plans\CADD_Sheets\F01300545_sht-S005.dwg	DRAWN - LMC	REVISED -					151-152	04-00018-00-PP	LAKE	133	8
	PLOT SCALE = 40.00000' / in.	CHECKED -	REVISED -		SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT CONTRACT NO. 61C48				
	PLOT DATE = 2/14/2018	DATE -	REVISED -									





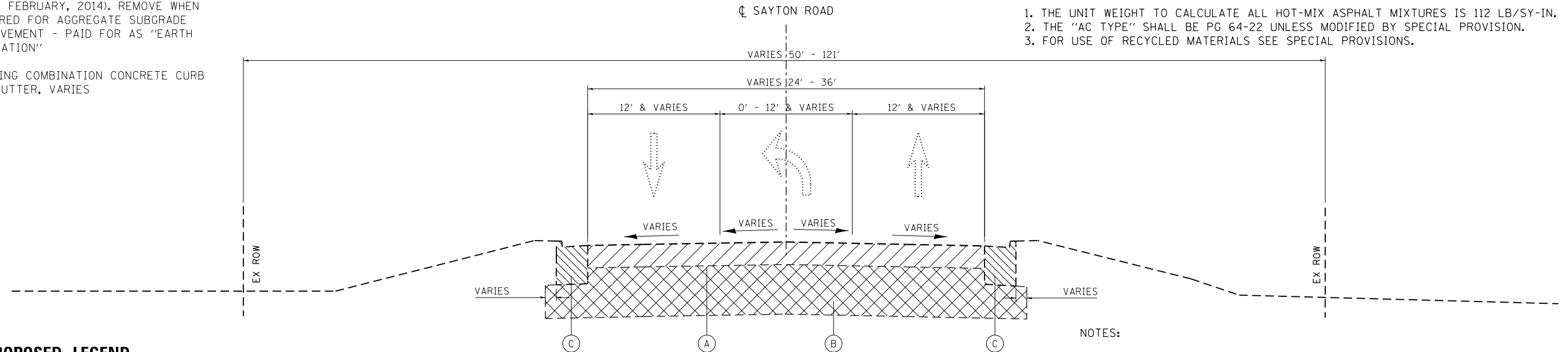
**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 4" TO 7". (SEE GEOTECHNICAL REPORT PREPARED BY SOIL AND MATERIAL CONSULTANTS, INC., DATED FEBRUARY, 2014).
- (B) EXISTING GRANULAR BASE COURSE, THICKNESS VARIES FROM 6.5" TO 14". (SEE GEOTECHNICAL REPORT PREPARED BY SOIL AND MATERIAL CONSULTANTS, INC., DATED FEBRUARY, 2014). REMOVE WHEN REQUIRED FOR AGGREGATE SUBGRADE IMPROVEMENT - PAID FOR AS "EARTH EXCAVATION"
- (C) EXISTING COMBINATION CONCRETE CURB AND GUTTER, VARIES



PAY ITEM	PERCENT AIR VOIDS @ Ndes.
ROADWAY PAVEMENT, 6"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2"	4% @ 50 GR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4" (2 LIFTS)	4% @ 50 GR.
SHARED USE PATH PAVEMENT, 3"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 3"	4% @ 50 GR.
DRIVEWAYS: HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2"	4% @ 50 GR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 2"	4% @ 50 GR.

1. THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LB/SY-IN.
2. THE "AC TYPE" SHALL BE PG 64-22 UNLESS MODIFIED BY SPECIAL PROVISION.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



**EXISTING TYPICAL SECTION**

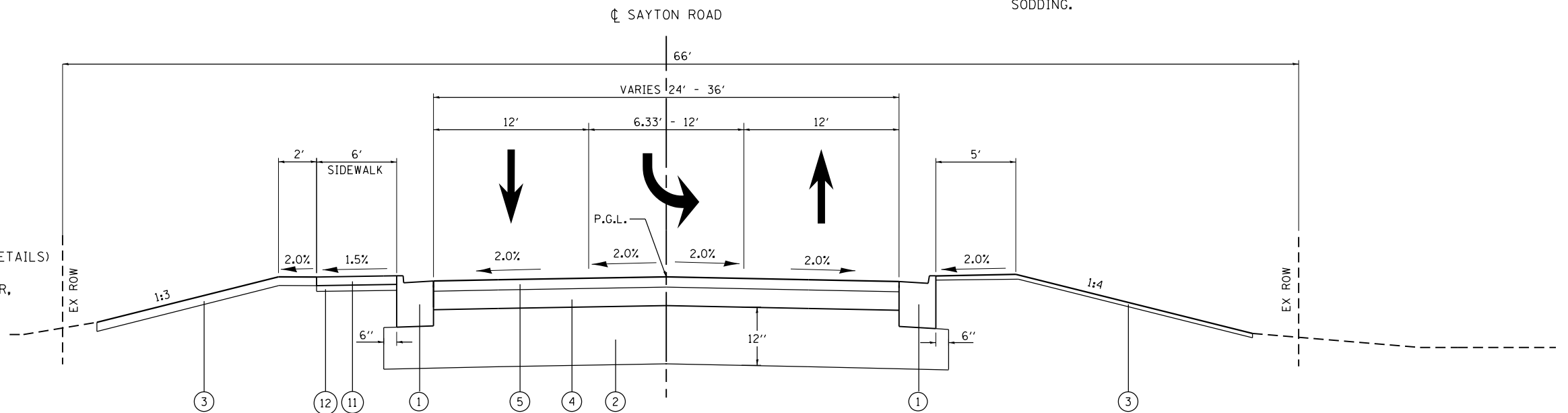
STA 0+85 TO STA 16+75, SAYTON ROAD  
STA 31+00 TO STA 36+2.84, SAYTON ROAD

**NOTES:**

1. THE EXISTING PAVEMENT MATERIALS AND THICKNESSS WERE TAKEN FROM EXISTING PLANS AND FROM PAVEMENT CORES. THE INFORMATION PROVIDED FROM EXISTING PAVEMENT MATERIALS REPRESENTS THE BEST AVAILABLE INFORMATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN PAVEMENT MATERIALS OR THICKNESS AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.
2. SEE EROSION AND SEDIMENT CONTROL DETAILS SHEETS FOR LOCATIONS AND WIDTHS OF SODDING.

**PROPOSED LEGEND**

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12 (9" MIN. GUTTER THICKNESS)
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (9" PORTION LOCATED UNDER AND BEHIND COMBINATION CURB AND GUTTER SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT, 12")
- (3) TOPSOIL, FURNISH AND PLACE 6" AND SODDING, SALT TOLERANT
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
- (5) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (6) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- (7) AGGREGATE BASE COURSE, TYPE B 6" (8" AT DRIVEWAYS. SEE CONSTRUCTION DETAILS)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24 (9" MIN. GUTTER THICKNESS)
- (9) CONCRETE CURB, TYPE B
- (10) AGGREGATE SHOULDERS, TYPE B, 4"
- (11) P.C.C. SIDEWALK, 4"
- (12) SUBBASE GRANULAR MATERIAL, TYPE B, 2"



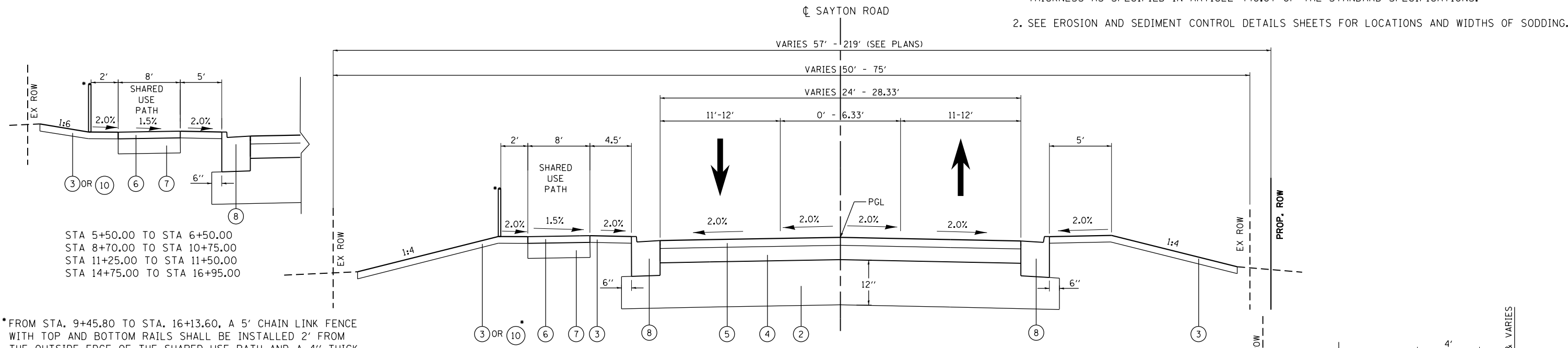
**PROPOSED TYPICAL SECTION**

STA 1+10.00 TO 3+00.00, SAYTON ROAD

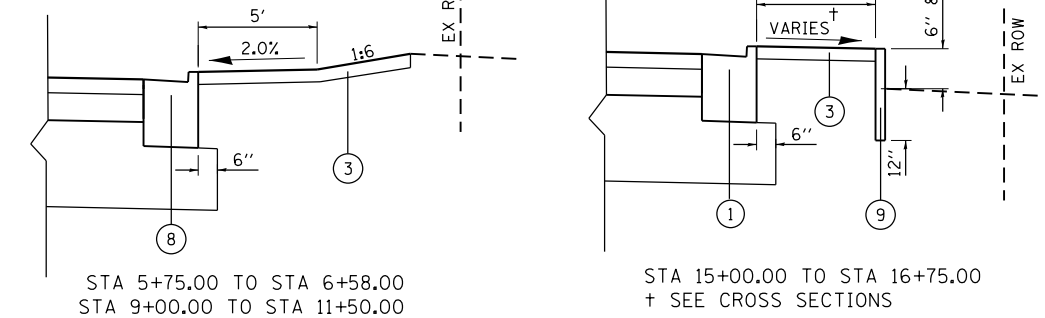
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Default	PLOT SCALE = 20.0000' / in.	DRAWN - LMC	REVISED -		SCALE: NTS	SHEET 1	OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 61C48		
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

NOTES:

1. THE EXISTING PAVEMENT MATERIALS AND THICKNESSES WERE TAKEN FROM EXISTING PLANS AND FROM PAVEMENT CORES. THE INFORMATION PROVIDED FROM EXISTING PAVEMENT MATERIALS REPRESENTS THE BEST AVAILABLE INFORMATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN PAVEMENT MATERIALS OR THICKNESS AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.
2. SEE EROSION AND SEDIMENT CONTROL DETAILS SHEETS FOR LOCATIONS AND WIDTHS OF SODDING.



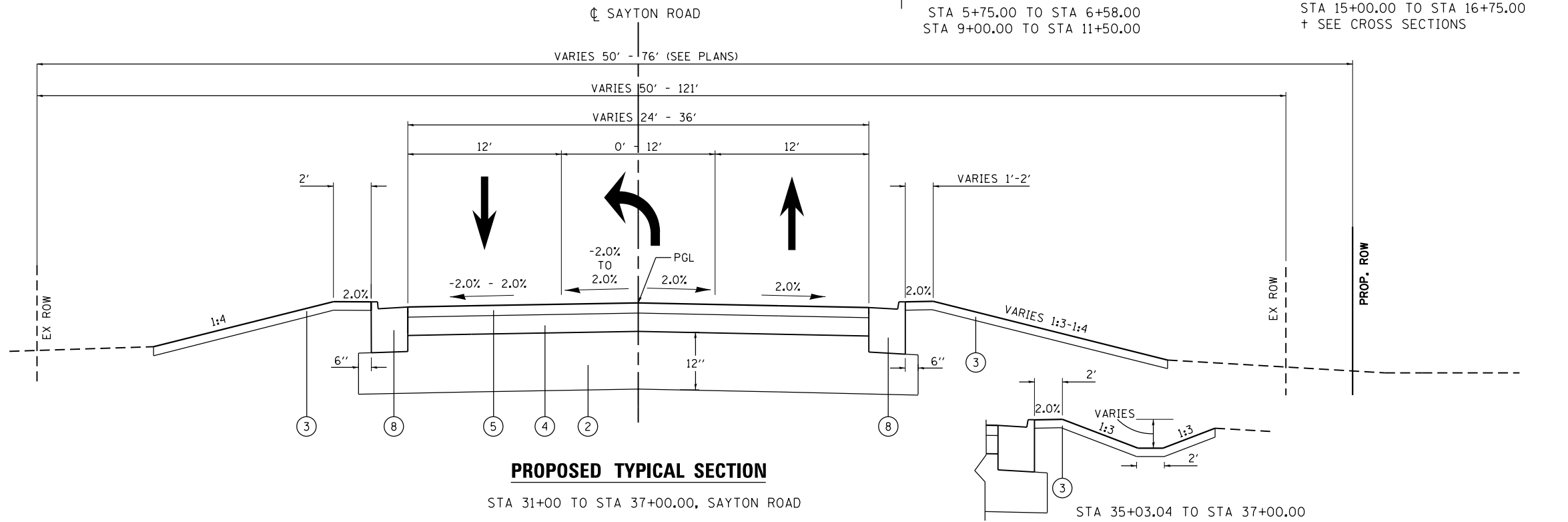
**PROPOSED TYPICAL SECTION**  
STA 3+00.00 TO STA 16+95.00, SAYTON ROAD



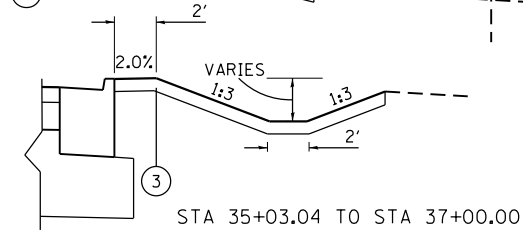
\* FROM STA. 9+45.80 TO STA. 16+13.60, A 5' CHAIN LINK FENCE WITH TOP AND BOTTOM RAILS SHALL BE INSTALLED 2' FROM THE OUTSIDE EDGE OF THE SHARED USE PATH AND A 4" THICK AGGREGATE SHOULDER SHALL BE CONSTRUCTED BETWEEN THE EDGE OF THE SHARED USE PATH AND CONSTRUCTION LIMITS. SEE PLAN SHEETS FOR MORE DETAILS.

**PROPOSED LEGEND**

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12 (9" MIN. GUTTER THICKNESS)
- ② AGGREGATE SUBGRADE IMPROVEMENT, 12" (9" PORTION LOCATED UNDER AND BEHIND COMBINATION CURB AND GUTTER SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT, 12")
- ③ TOPSOIL, FURNISH AND PLACE 6" AND SODDING, SALT TOLERANT
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
- ⑤ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- ⑦ AGGREGATE BASE COURSE, TYPE B 6" (8" AT DRIVEWAYS. SEE CONSTRUCTION DETAILS)
- ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24 (9" MIN. GUTTER THICKNESS)
- ⑨ CONCRETE CURB, TYPE B
- ⑩ AGGREGATE SHOULDERS, TYPE B, 4"
- ⑪ P.C.C. SIDEWALK, 4"
- ⑫ SUBBASE GRANULAR MATERIAL, TYPE B, 2"



**PROPOSED TYPICAL SECTION**  
STA 31+00 TO STA 37+00.00, SAYTON ROAD






FILE NAME = F0130545-sh1-typical2.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS SAYTON ROAD</b>			F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 11
Default	PLOT SCALE = 20.0000' / in.	DRAWN - LMC	REVISED -		SCALE: NTS	SHEET 2	OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 61C48		
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



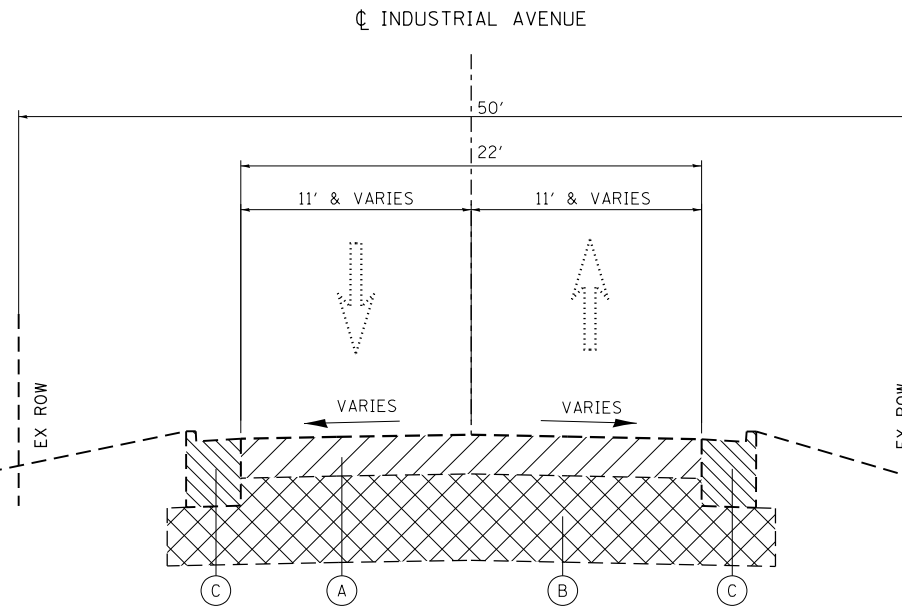
**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS UNKNOWN
- (B) EXISTING GRANULAR BASE COURSE, THICKNESS UNKNOWN
- (C) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12 AND VARIES

-  AREA OF COMBINATION CURB AND GUTTER REMOVAL
-  AREA OF HOT-MIX ASPHALT PAVEMENT REMOVAL
-  AREA OF GRANULAR BASE COURSE REMOVAL (EARTH EXCAVATION)

**NOTES:**

1. THE EXISTING PAVEMENT MATERIALS AND THICKNESSS WERE TAKEN FROM EXISTING PLANS AND FROM PAVEMENT CORES. THE INFORMATION PROVIDED FROM EXISTING PAVEMENT MATERIALS REPRESENTS THE BEST AVAILABLE INFORMATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN PAVEMENT MATERIALS OR THICKNESS AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.
2. SEE EROSION AND SEDIMENT CONTROL DETAILS SHEETS FOR LOCATIONS AND WIDTHS OF SODDING.

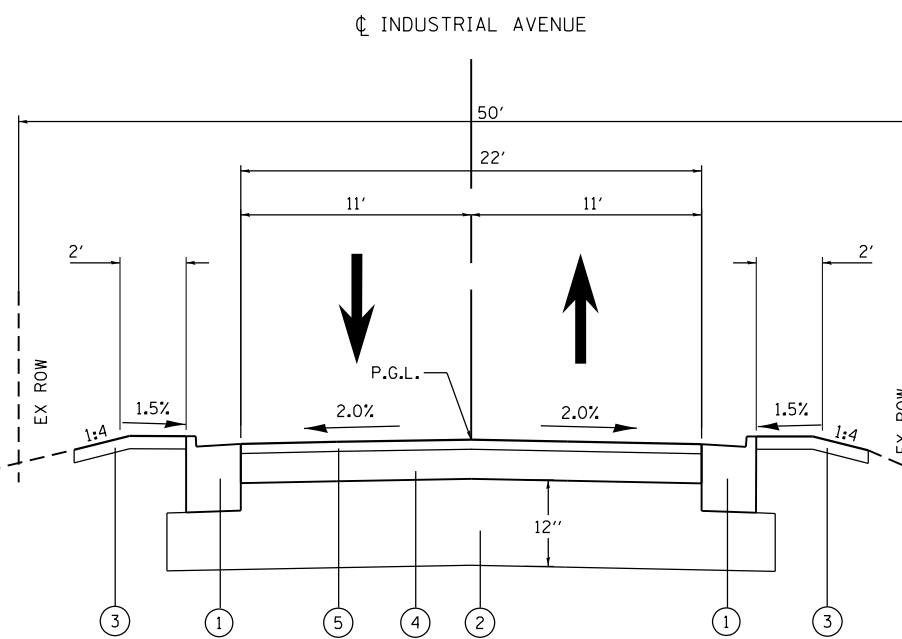


**EXISTING TYPICAL SECTION**

STA 200+80.00 TO STA 201+88.52, INDUSTRIAL AVE

**PROPOSED LEGEND**

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12 (9" MIN. GUTTER THICKNESS)
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (9" PORTION LOCATED UNDER AND BEHIND COMBINATION CURB AND GUTTER SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT, 12")
- (3) TOPSOIL, FURNISH AND PLACE 6" AND SODDING, SALT TOLERANT
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
- (5) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (6) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- (7) AGGREGATE BASE COURSE, TYPE B 6" (8" AT DRIVEWAYS. SEE CONSTRUCTION DETAILS)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24 (9" MIN. GUTTER THICKNESS)
- (9) CONCRETE CURB, TYPE B
- (10) AGGREGATE SHOULDERS, TYPE B, 4"
- (11) P.C.C. SIDEWALK, 4"
- (12) SUBBASE GRANULAR MATERIAL, TYPE B, 2"



**PROPOSED TYPICAL SECTION**

STA 200+80.00 TO STA 201+88.52, INDUSTRIAL AVE

FILE NAME = F0130545-sh1-typical4.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS INDUSTRIAL AVENUE</b>			F.A.U. RFE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 13
Default	PLOT SCALE = 20.0000' / in.	DRAWN - LMC	REVISED -		SCALE: NTS	SHEET 4	OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 61C48		
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

**SCHEDULE OF EARTH EXCAVATION**

1	2	3	4	5	6	7	8	9	10
	TOPSOIL EXCAVATION AND PLACEMENT ROADWAY	TOPSOIL FURNISH AND PLACE, 6" ROADWAY	EARTH EXCAVATION ROADWAY	UNSUITABLE OR UNSTABLE MATERIAL	SUITABLE EARTH EXCAVATION	SUITABLE EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT ROADWAY	EARTHWORK BALANCE WASTE	EARTHWORK BALANCE SHORTAGE
STAGE	CU. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
2A	182	167	1,215	122	1,093	820	92	728	0
2B&C	14	43	1,247	125	1,122	841	17	824	0
3A	13	40	368	37	331	249	60	189	0
3B	33	130	546	55	491	368	79	289	0
TOTAL	241	380	3,376	339	3,037	2,278	247	2,031	0

**EARTHWORK NOTES:**

- COLUMN 1 - CONSTRUCTION STAGE
- COLUMN 2 - AMOUNT OF STRIPPED TOPSOIL USED FOR THE ROADWAY. ASSUMES 50% OF EXISTING 6" OF STRIPPED TOPSOIL IS SUITABLE FOR TOPSOIL USE. REMAINING TOPSOIL EXCAVATION INCLUDED IN EARTH EXCAVATION.
- COLUMN 3 - QUANTITIES REQUIRED FROM OFF-SITE FOR THE ROADWAY. THESE QUANTITIES ARE NOT INCLUDED IN THE BORROW OR FURNISHED EXCAVATION.
- COLUMN 4 - CUT QUANTITIES FROM CROSS SECTIONS. INCLUDES TOPSOIL EXCAVATION DETERMINED UNSUITABLE FOR TOPSOIL USE.
- COLUMN 5 - UNSUITABLE OR UNSTABLE MATERIAL. ASSUMED TO BE 10% OF COLUMN 4.
- COLUMN 6 - TOTAL SUITABLE EARTH EXCAVATION QUANTITIES FROM COLUMN 4 LESS COLUMN 5.
- COLUMN 7 - EARTH EXCAVATION QUANTITIES THAT ARE TO BE USED AS FILL MATERIAL IN EMBANKMENT. EARTH EXCAVATION SHRINKAGE FACTOR WAS ASSUMED TO BE 25%.
- COLUMN 8 - FILL QUANTITIES FROM CROSS SECTIONS. THIS QUANTITY DOES NOT INCLUDE TOPSOIL.
- COLUMN 9 - MATERIAL TO BE WASTED.
- COLUMN 10 - OFF-SITE MATERIAL NEEDED.



**SCHEDULE OF EARTH EXCAVATION**

STATION	DISTANCE FT	STAGE 2A					
		END AREA SQ FT		AVERAGE OF END AREA SQ FT		INCREMENTAL VOLUMES CU YD	
		CUT	FILL	CUT	FILL	CUT	FILL
<b>SAYTON ROAD</b>							
11+75.00		19.71	0.73				
	25.00			30.12	0.37	27.89	0.34
12+00.00		40.53	0.00				
	21.00			45.50	0.11	35.39	0.08
12+21.00		50.46	0.21				
	39.00			40.09	0.11	57.90	0.15
12+60.00		29.71	0.00				
	15.00			28.32	0.00	15.73	0.00
12+75.00		26.93	0.00				
	25.00			24.44	0.00	22.63	0.00
13+00.00		21.94	0.00				
	18.00			20.53	0.13	13.68	0.08
13+18.00		19.11	0.25				
	18.00			18.33	0.62	12.22	0.41
13+36.00		17.54	0.98				
	14.00			18.31	0.49	9.49	0.25
13+50.00		19.08	0.00				
	25.00			24.05	0.00	22.27	0.00
13+75.00		29.02	0.00				
	23.00			28.16	0.00	23.98	0.00
13+98.00		27.29	0.00				
	25.30			31.62	0.00	29.63	0.00
14+23.30		35.95	0.00				
	16.70			34.64	0.01	21.42	0.01
14+40.00		33.32	0.02				
	10.00			32.84	0.07	12.16	0.03
14+50.00		32.35	0.12				
	28.62			29.27	0.06	31.03	0.06
14+78.62		26.19	0.00				
	16.38			24.84	0.00	15.07	0.00
14+95.00		23.49	0.00				
	5.00			22.68	0.00	4.20	0.00
15+00.00		21.86	0.00				
	4.00			21.58	0.00	3.20	0.00
15+04.00		21.29	0.00				
	21.00			24.91	0.00	19.37	0.00
15+25.00		28.52	0.00				
	25.00			27.35	0.15	25.32	0.13
15+50.00		26.17	0.29				
	25.00			25.10	0.75	23.24	0.69
15+75.00		24.03	1.21				
	8.46			23.12	1.55	7.24	0.49
15+83.46		22.21	1.89				
	16.54			16.84	4.14	10.32	2.54
16+00.00		11.47	6.39				
	12.67			8.27	6.73	3.88	3.16
16+12.67		5.06	7.06				
	13.44			2.88	7.69	1.43	3.83
16+26.11		0.70	8.32				
	23.89			7.73	6.61	6.84	5.85
16+50.00		14.75	4.90				
	25.00			25.37	2.45	23.49	2.27
16+75.00		35.99	0.00				
	25.00			31.84	1.00	29.48	0.92
17+00.00		27.69	1.99				

STATION	DISTANCE FT	STAGE 2A					
		END AREA SQ FT		AVERAGE OF END AREA SQ FT		INCREMENTAL VOLUMES CU YD	
		CUT	FILL	CUT	FILL	CUT	FILL
<b>CHRISTOPHER WAY</b>							
100+49.92		31.42	1.23				
	14.13			31.13	1.05	16.29	0.55
100+64.05		30.84	0.86				





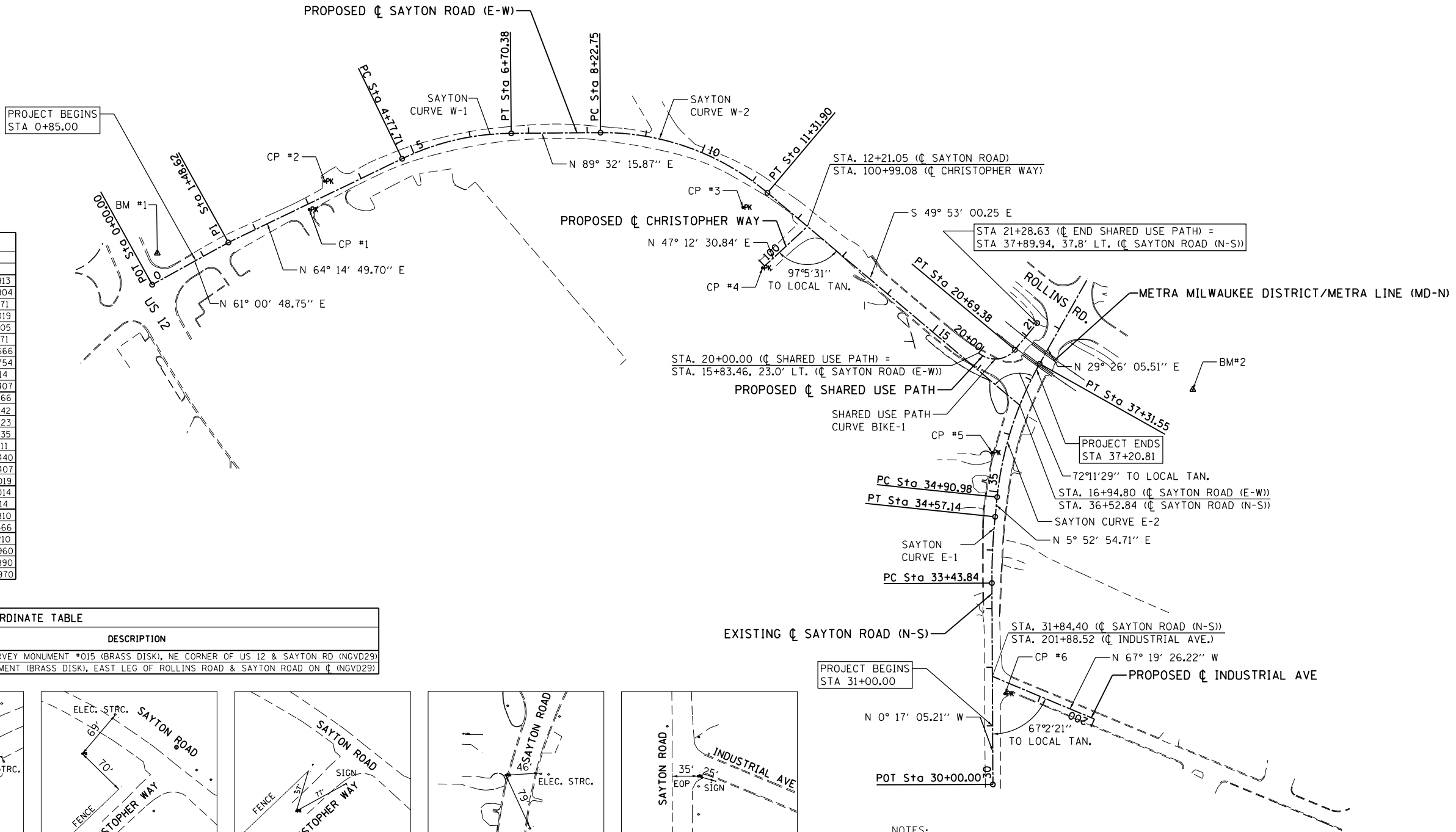
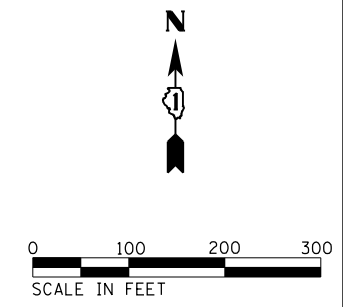
**SCHEDULE OF EARTH EXCAVATION**

STATION	DISTANCE FT	STAGE 2B & 2C					
		END AREA SQ FT		AVERAGE OF END AREA SQ FT		INCREMENTAL VOLUMES SU YD	
		CUT	FILL	CUT	FILL	CUT	FILL
<b>SAYTON ROAD</b>							
11+75.00		26.40	0.00				
	25.00			22.51	0.77	20.84	0.71
12+00.00		18.61	1.53				
	21.00			21.17	0.77	16.46	0.60
12+21.00		23.72	0.00				
	39.00			22.54	0.21	32.55	0.30
12+60.00		21.35	0.42				
	15.00			20.32	0.76	11.29	0.42
12+75.00		19.28	1.09				
	25.00			18.88	2.38	17.48	2.20
13+00.00		18.48	3.67				
	18.00			18.55	4.05	12.37	2.70
13+18.00		18.62	4.42				
	18.00			18.82	3.49	12.55	2.33
13+36.00		19.02	2.56				
	14.00			19.10	2.33	9.90	1.21
13+50.00		19.17	2.09				
	25.00			22.49	1.05	20.82	0.97
13+75.00		25.81	0.00				
	23.00			24.75	0.04	21.08	0.03
13+98.00		23.69	0.08				
	25.30			27.71	0.04	25.96	0.04
14+23.30		31.72	0.00				
	16.70			31.56	0.00	19.52	0.00
14+40.00		31.40	0.00				
	10.00			31.53	0.00	11.68	0.00
14+50.00		31.65	0.00				
	28.62			34.72	0.00	36.80	0.00
14+78.62		37.78	0.00				
	16.38			35.17	0.00	21.33	0.00
14+95.00		32.55	0.00				
	5.00			32.10	0.00	5.94	0.00
15+00.00		31.65	0.00				
	4.00			31.39	0.00	4.65	0.00
15+04.00		31.12	0.00				
	21.00			30.50	0.00	23.72	0.00
15+25.00		29.88	0.00				
	25.00			32.31	0.00	29.91	0.00
15+50.00		34.73	0.00				
	25.00			32.41	0.00	30.01	0.00
15+75.00		30.09	0.00				
	8.46			29.46	0.07	9.23	0.02
15+83.46		28.83	0.14				
	16.54			33.32	0.38	20.41	0.23
16+00.00		37.80	0.61				
	12.67			42.79	0.31	20.08	0.14
16+12.67		47.77	0.00				
	13.44			65.27	0.35	32.49	0.17
16+26.11		82.76	0.69				
	23.89			78.39	0.35	69.36	0.31
16+50.00		74.01	0.00				
	25.00			76.29	0.00	70.64	0.00
16+75.00		78.57	0.00				
	25.00			73.67	0.00	68.21	0.00
17+00.00		68.76	0.00				



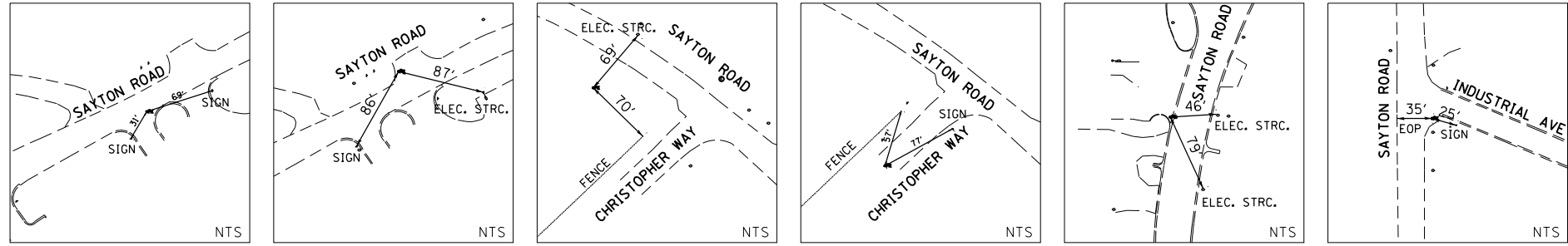


<b>EX. CURVE SAYTON_W-0</b> PI STA. = 1+48.62 Δ = 30° 14' 95" (RT) NO CURVE	<b>PROP. CURVE SAYTON_W-1</b> PI STA. = 5+75.64 Δ = 25° 17' 26" (RT) D = 13° 07' 34" R = 436.50' T = 97.93' L = 192.67' E = 10.85' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 4+77.71 P.T. STA = 6+70.38	<b>PROP. CURVE SAYTON_W-2</b> PI STA. = 9+84.13 Δ = 40° 34' 44" (RT) D = 13° 07' 34" R = 436.50' T = 161.37' L = 309.14' E = 28.88' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 8+22.75 P.T. STA = 11+31.90	<b>EX. CURVE SAYTON_E-1</b> PI STA. = 34+00.54 Δ = 6° 10' 00" (RT) D = 5° 26' 33" R = 1,052.73' T = 56.71' L = 113.30' E = 1.53' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 33+43.84 P.T. STA = 34+57.14	<b>EX. CURVE SAYTON_E-2</b> PI STA. = 36+12.99 Δ = 23° 33' 11" (RT) D = 9° 47' 26" R = 585.21' T = 122.01' L = 240.57' E = 12.58' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 34+90.98 P.T. STA = 37+31.55	<b>PROP. CURVE BIKE-1</b> PI STA. = 20+44.26 Δ = 90° 20' 27" (LT) D = 130° 13' 04" R = 44.00' T = 44.26' L = 69.38' E = 18.41' e = N/A T.R. = N/A S.E. RUN = N/A P.C. STA = 20+00.00 P.T. STA = 20+69.38
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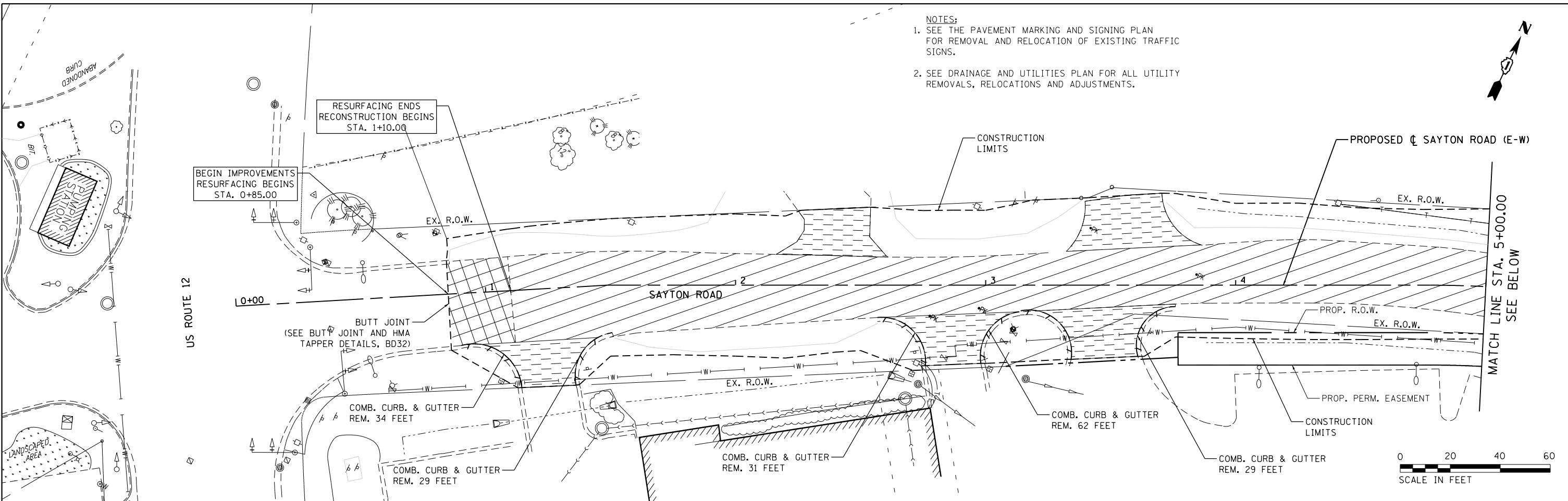
PROPOSED CENTERLINE CONTROL COORDINATE TABLE			
ALIGNMENT	DESCRIPTION	LOCAL GROUND SYSTEM	
		NORTHING	EASTING
☐ SAYTON RD. (E-W)	P.O.T. 0+00.00	2,085,753.9322	1,024,750.5913
	P.I. 1+48.62	2,085,825.9517	1,024,880.5904
	P.C. 4+77.71	2,085,968.9396	1,025,176.9971
	P.I. 5+75.64	2,086,011.4900	1,025,265.2019
	P.T. 6+70.38	2,086,012.2801	1,025,363.1305
	P.C. 8+22.75	2,086,013.5094	1,025,515.4971
	P.I. 9+84.13	2,086,014.8114	1,025,676.8666
	P.T. 11+31.90	2,085,910.8303	1,025,800.2754
	☐-☐ INT. 12+21.05	2,085,853.0721	1,025,868.1114
	☐-☐ INT. 16+94.80	2,085,548.1318	1,026,230.7407
☐ SAYTON RD. (N-S)	☐-☐ INT. 31+84.40	2,085,085.2459	1,026,184.0366
	P.C. 33+43.84	2,085,244.6778	1,026,183.2442
	P.I. 34+00.54	2,085,301.3838	1,026,182.9623
	P.T. 34+57.14	2,085,357.7919	1,026,188.7735
	P.C. 34+90.98	2,085,391.4518	1,026,192.2411
	P.I. 36+12.99	2,085,512.8154	1,026,204.7440
	☐-☐ INT. 36+52.84	2,085,548.1318	1,026,230.7407
	P.T. 37+31.55	2,085,619.0722	1,026,264.7019
	P.O.T. 100+00.00	2,085,785.7621	1,025,795.4014
	P.O.T. 100+99.08	2,085,853.0721	1,025,868.1114
☐ CHRISTOPHER WAY	P.O.T. 200+00.00	2,085,012.5688	1,026,357.9810
	P.O.T. 201+88.52	2,085,085.2459	1,026,184.0366
☐ SHARED USE PATH	P.C. 20+00.00	2,085,637.4570	1,026,160.4210
	P.I. 20+44.26	2,085,626.4530	1,026,235.6960
	P.T. 20+69.38	2,085,642.9550	1,026,222.5890
P.O.T. 21+28.63	2,085,688.4930	1,026,260.4970	

BENCHMARK COORDINATE TABLE				
BENCHMARK	ELEVATION	LOCAL GROUND SYSTEM		DESCRIPTION
		NORTHING	EASTING	
1	744.68	2,085,807.6075	1,024,759.2918	FOX LAKE SURVEY MONUMENT #015 (BRASS DISK), NE CORNER OF US 12 & SAYTON RD (INGVD29)
2	751.43	2,085,574.8144	1,026,526.0085	SURVEY MONUMENT (BRASS DISK), EAST LEG OF ROLLINS ROAD & SAYTON ROAD ON ☐ (INGVD29)



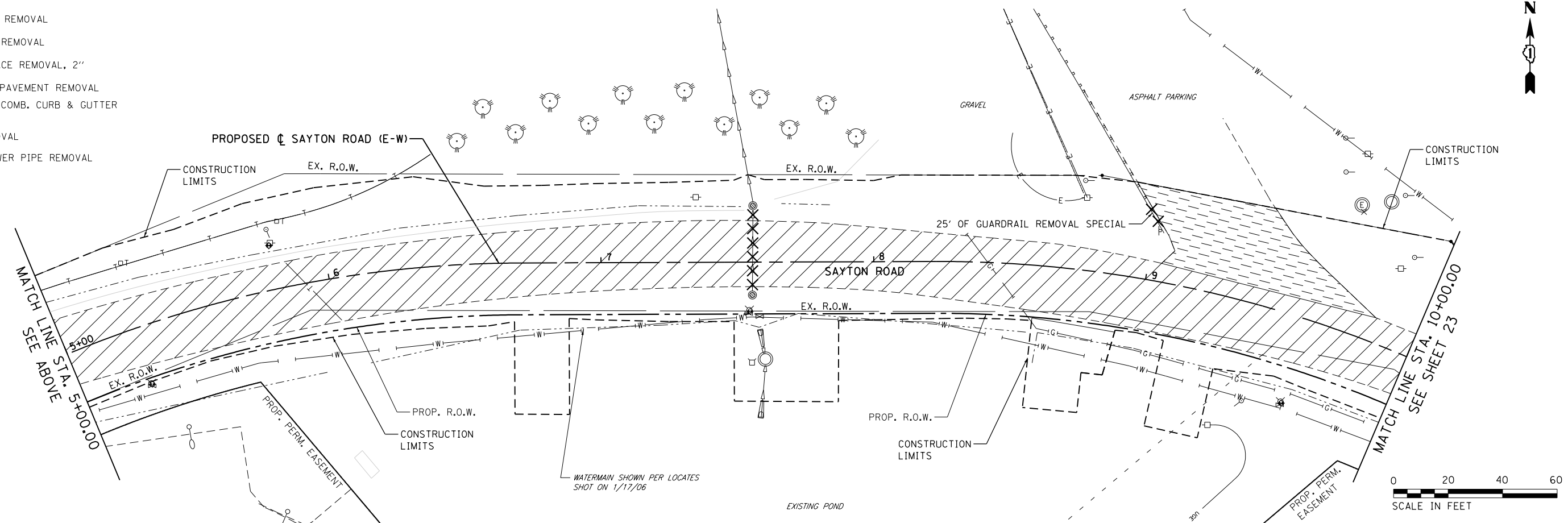
<b>CONTROL POINT #1</b> PK NAIL STA 2+97.35 (☐ SAYTON RD.) N. 2,085,882.2630 E. 1,025,018.5562	<b>CONTROL POINT #2</b> PK NAIL STA 3+42.01 (☐ SAYTON RD.) N. 2,085,930.5527 E. 1,025,044.8476	<b>CONTROL POINT #3</b> PK NAIL STA 11+14.08 (☐ SAYTON RD.) N. 2,085,885.9872 E. 1,025,758.4778	<b>CONTROL POINT #4</b> PK NAIL NO STA. (☐ CHRISTOPHER WAY) N. 2,085,782.5625 E. 1,025,791.8211	<b>CONTROL POINT #5</b> PK NAIL STA 35+63.16 (☐ SAYTON RD.) N. 2,085,467.3351 E. 1,026,183.5023	<b>CONTROL POINT #6</b> PK NAIL STA 31+54.75 (☐ SAYTON RD.) N. 2,085,055.6925 E. 1,026,205.5208
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- NOTES:**
- TIES SHOWN ARE DERIVED FROM THE SURVEY CAD MODEL AND ARE INTENDED TO AID IN FIELD LOCATION OF SET CONTROL POINTS, WHICH ARE NOT TO BE RESET USING THESE TIES. PROPER SURVEY PROCEDURES SHALL BE USED TO SET ANY CENTERLINE CONTROL POINTS.
  - THE HORIZONTAL COORDINATE SYSTEM IS BASED ON GPS BASE STATION "NAD.1983.HARN.STATEPLANE.ILLINOIS.EAST.FIPS.1201.FEET".



NOTES:  
 1. SEE THE PAVEMENT MARKING AND SIGNING PLAN FOR REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNS.  
 2. SEE DRAINAGE AND UTILITIES PLAN FOR ALL UTILITY REMOVALS, RELOCATIONS AND ADJUSTMENTS.

- LEGEND**
- GUARDRAIL REMOVAL
  - PAVEMENT REMOVAL
  - HMA SURFACE REMOVAL, 2"
  - DRIVEWAY PAVEMENT REMOVAL
  - CURB AND COMB. CURB & GUTTER REMOVAL
  - TREE REMOVAL
  - STORM SEWER PIPE REMOVAL



FILE NAME = F0130545-sh.erosl.dgn  
 Default

USER NAME = ANinoFlores  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 2/14/2018

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

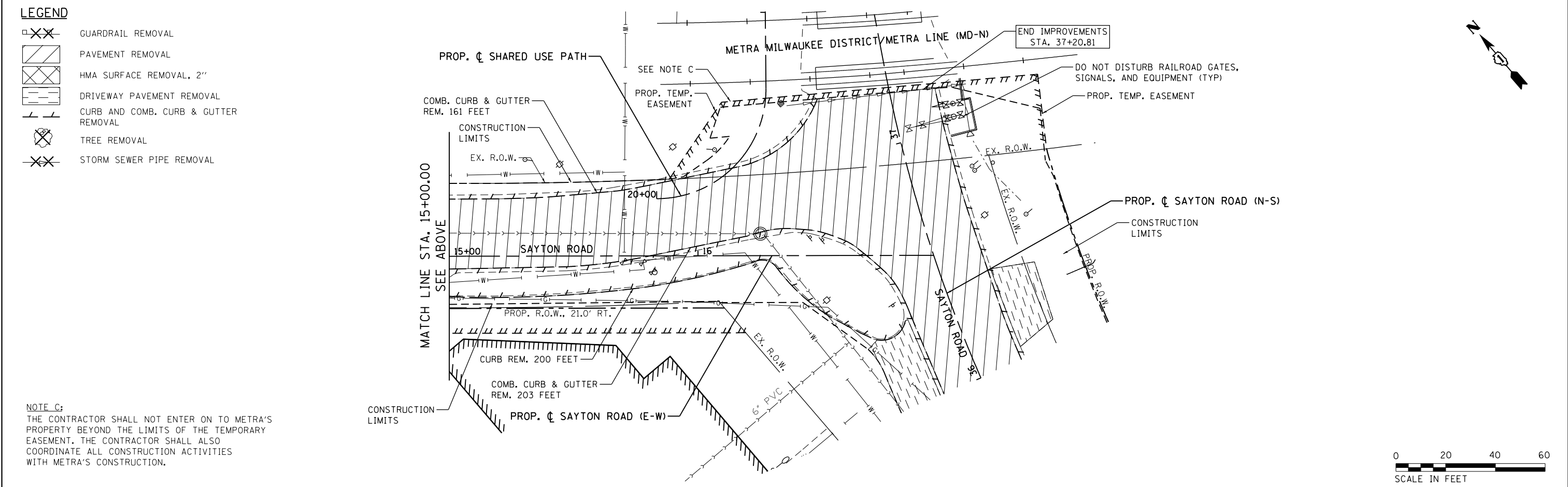
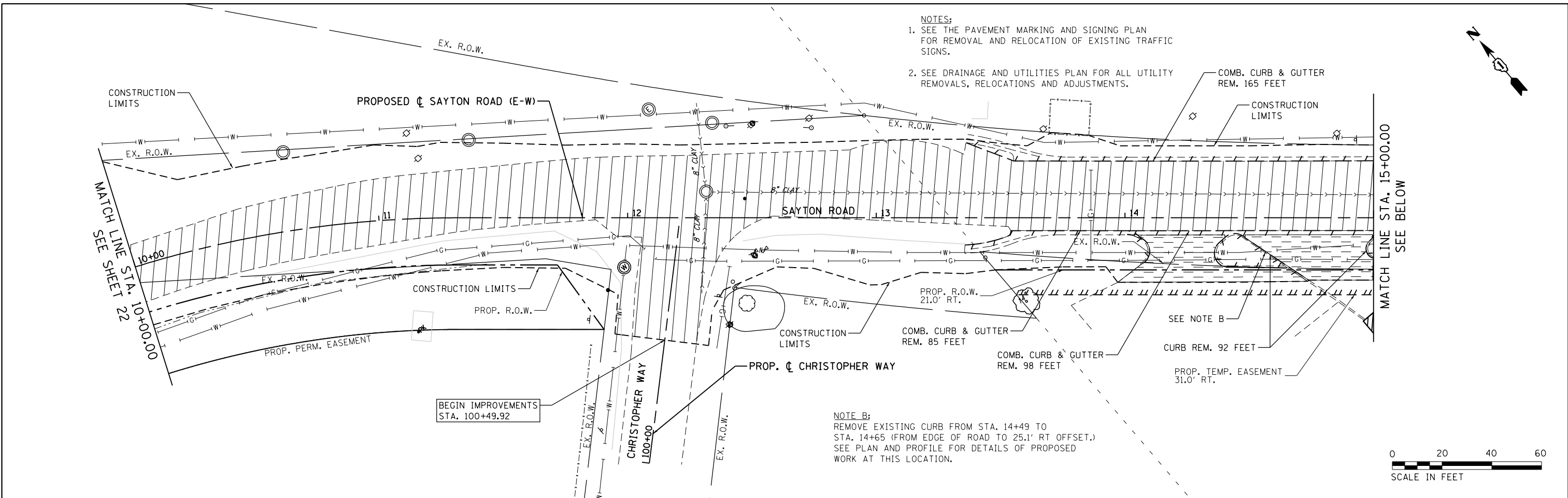
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'  
 SHEET 1 OF 3 SHEETS  
 STA. 0+00 TO STA. 10+00

**REMOVAL PLAN  
 SAYTON ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	22
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

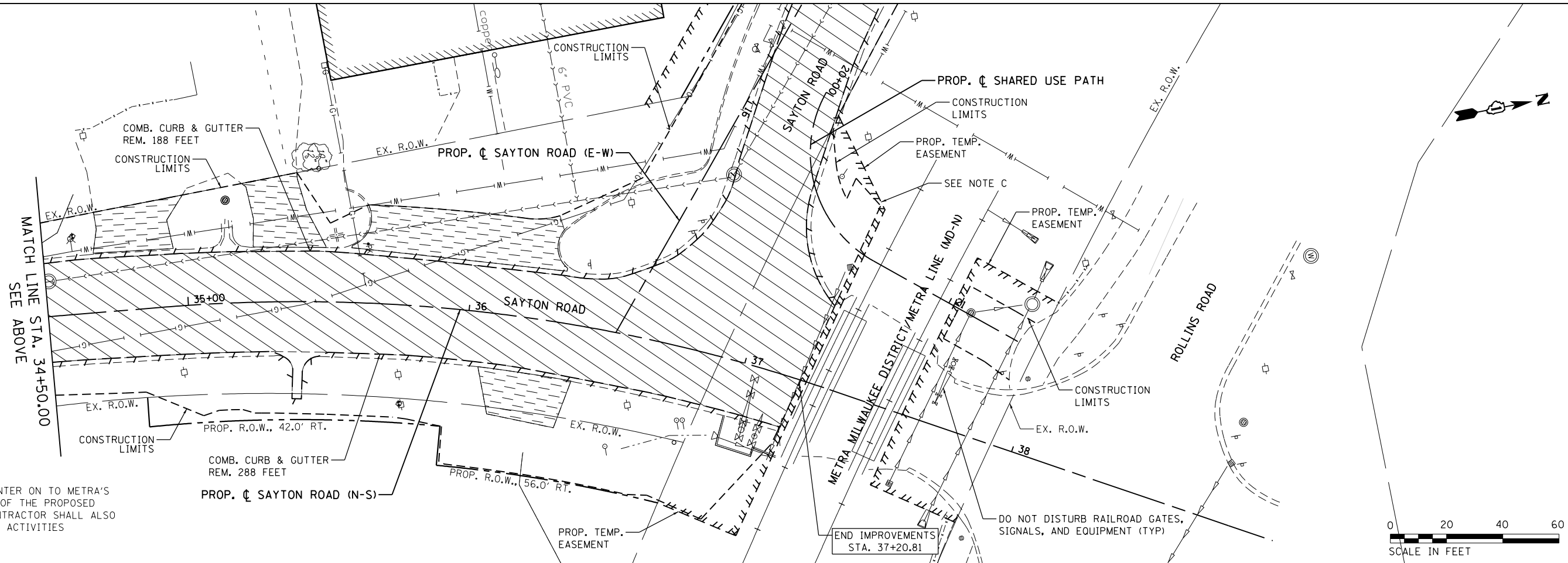
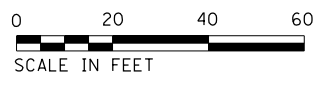
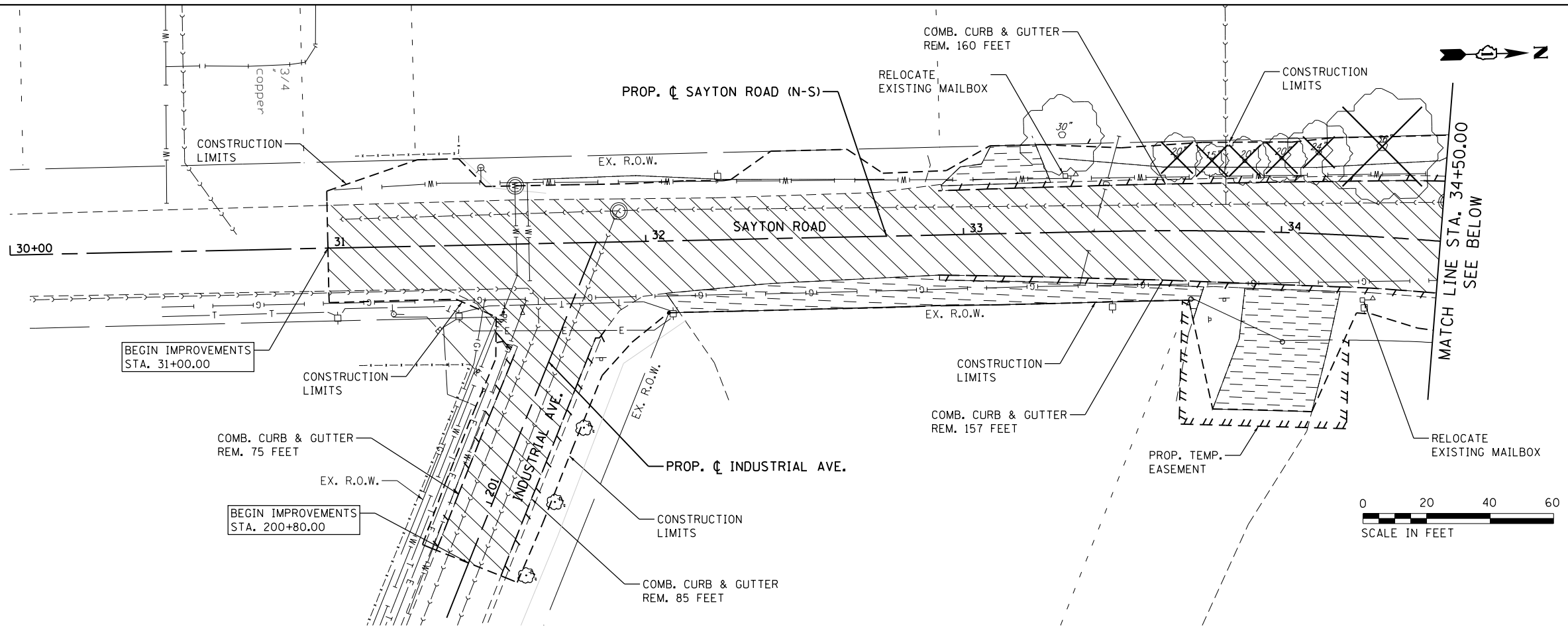


FILE NAME = F0130545-sh.eros2.dgn	USER NAME = AninoFlores	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN SAYTON ROAD</b>	F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 23		
Default	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			SCALE: 1" = 20'	SHEET 2 OF 3 SHEETS	STA. 10+00 TO STA. 16+95		CONTRACT NO. 61C48		
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

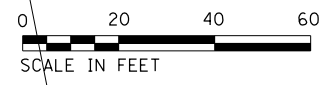
NOTES:  
 1. SEE THE PAVEMENT MARKING AND SIGNING PLAN FOR REMOVAL AND RELOCATION OF EXISTING TRAFFIC SIGNS.  
 2. SEE DRAINAGE AND UTILITIES PLAN FOR ALL UTILITY REMOVALS, RELOCATIONS AND ADJUSTMENTS.

**LEGEND**

- GUARDRAIL REMOVAL
- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL, 2"
- DRIVEWAY PAVEMENT REMOVAL
- CURB AND COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL
- STORM SEWER PIPE REMOVAL



**NOTE C:**  
 THE CONTRACTOR SHALL NOT ENTER ON TO METRA'S PROPERTY BEYOND THE LIMITS OF THE PROPOSED TEMPORARY EASEMENT. THE CONTRACTOR SHALL ALSO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH METRA'S CONSTRUCTION.



FILE NAME = F0130545-sh.eros3.dgn  
 USER NAME = AninoFlores  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 2/14/2018

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 SAYTON ROAD**

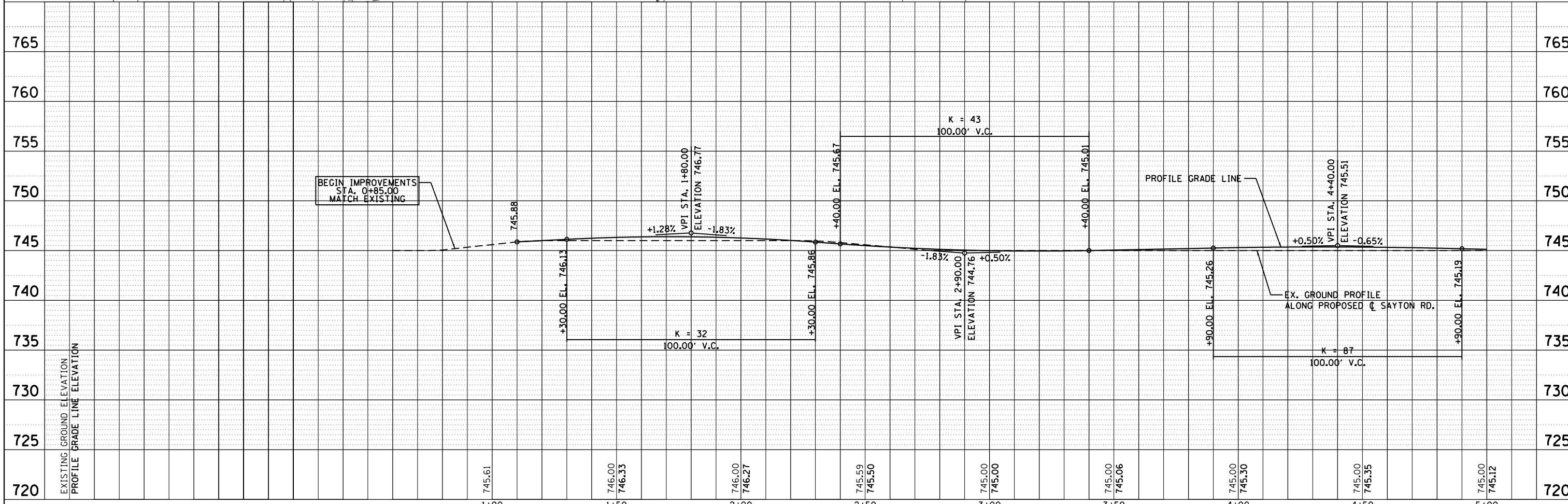
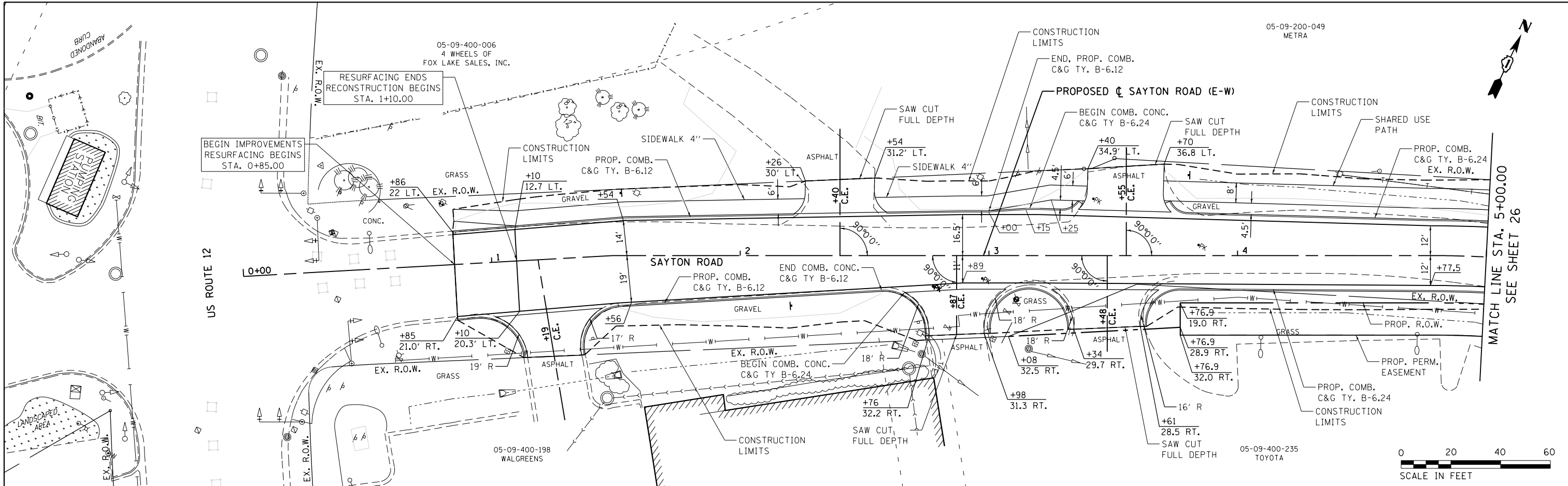
SCALE: 1" = 20'    SHEET 3 OF 3 SHEETS    STA. 31+00 TO STA. 37+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-152	04-00018-00-FP	LAKE	133	24
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOTATIONS
	NO.	CHKD

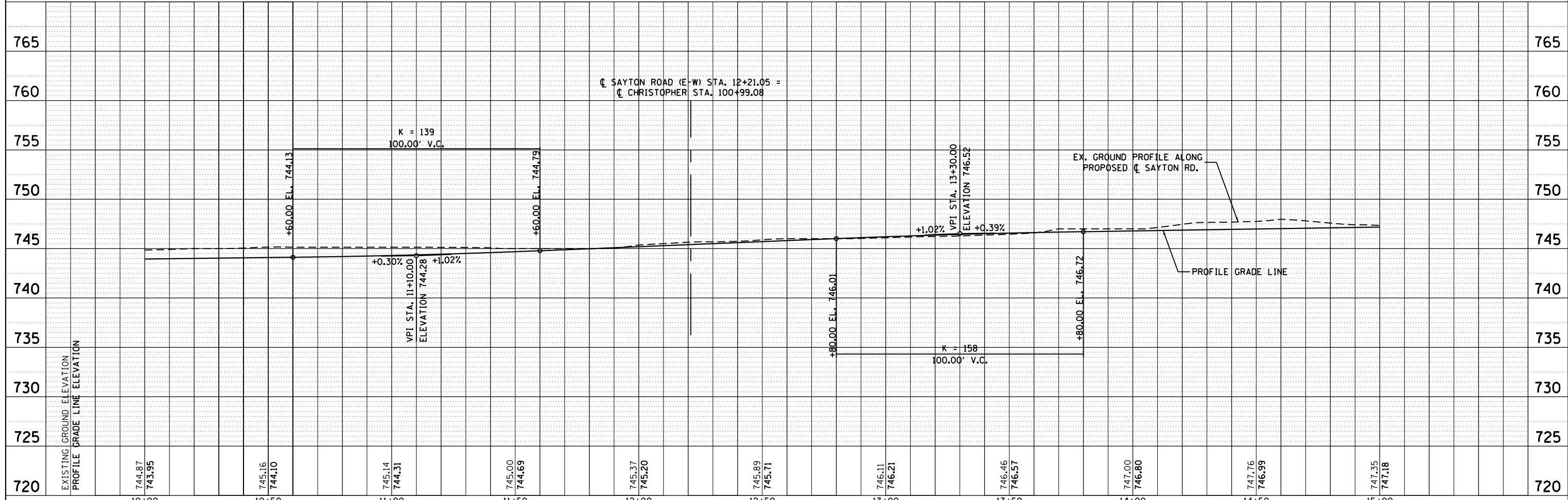
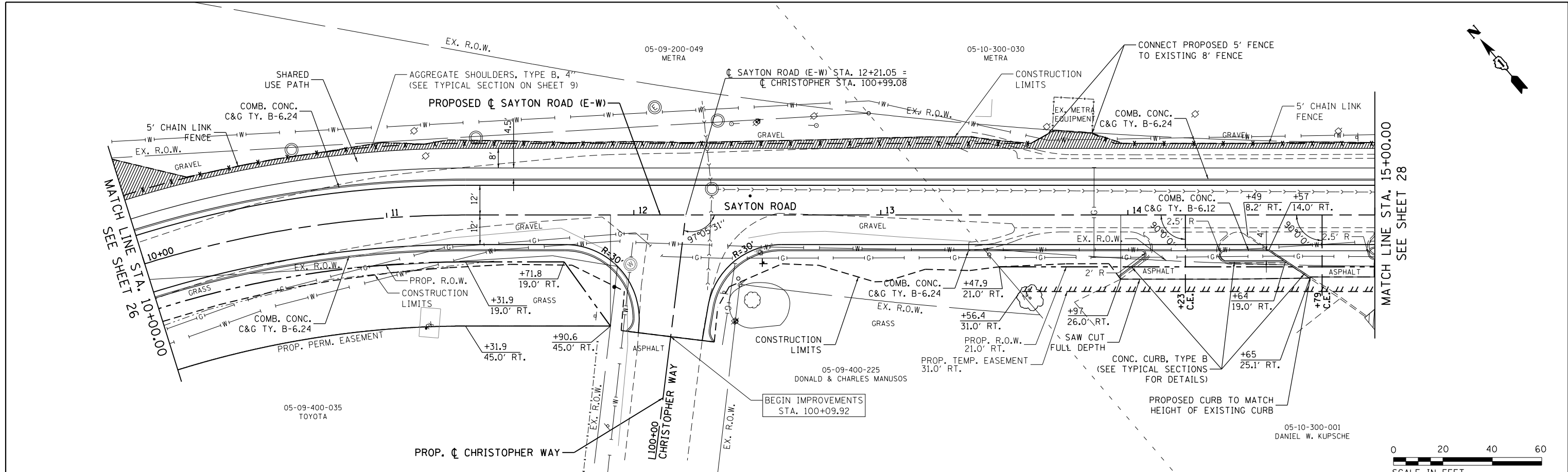


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Default	PLOT SCALE = 40.0000' / in.	CHECKED - LMC	REVISED -			SCALE: 1"=20'	SHEET 1	OF 8 SHEETS	STA. 1+10.00	TO STA. 5+00.00	CONTRACT NO. 61C48
	PLOT DATE = 2/14/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	FILE NAME	

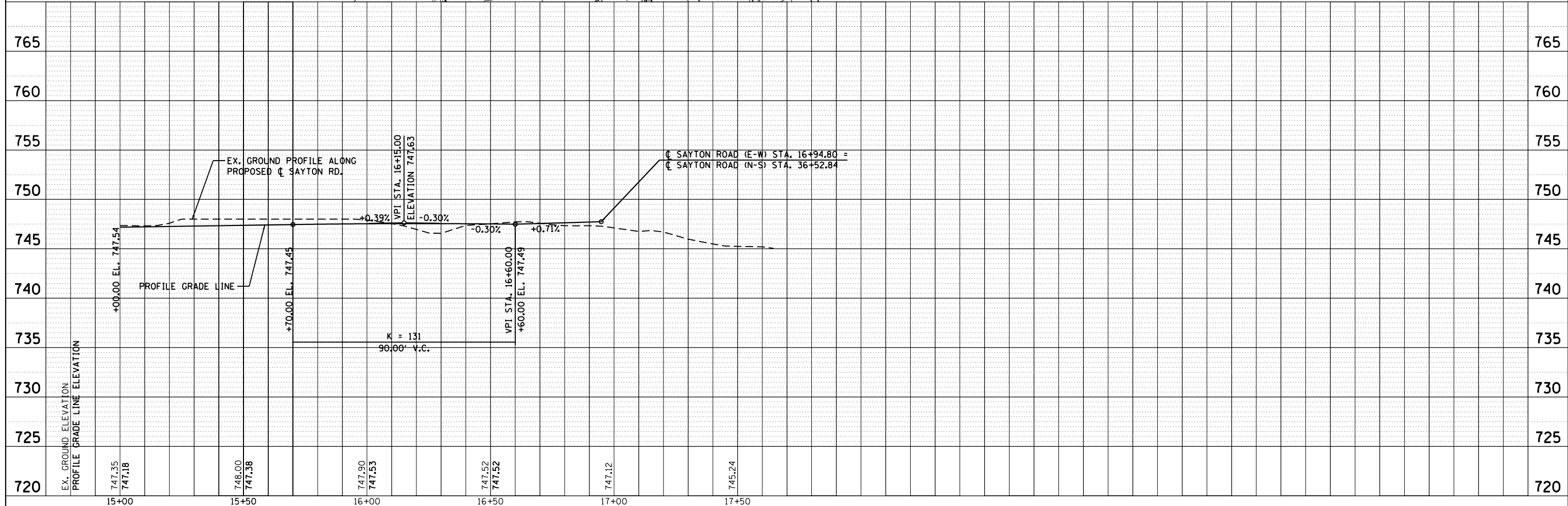
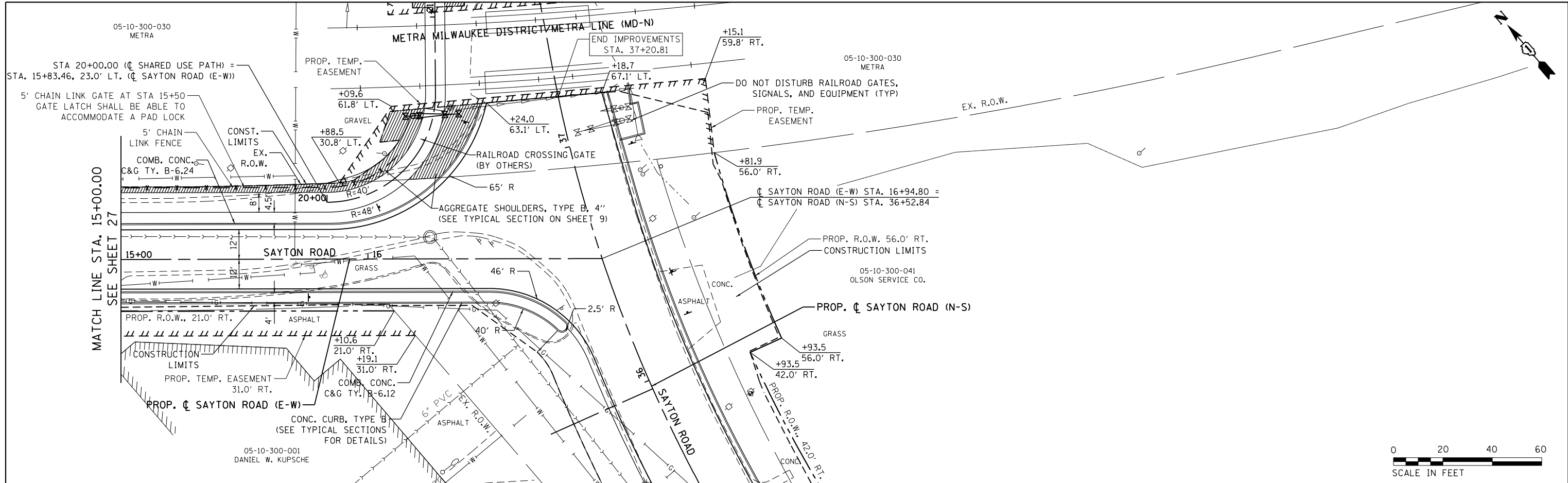
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHECKED	
	NO. _____	



FILE NAME = F01300545-sht-plnprf3.dgn	USER NAME = AninoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE SAYTON ROAD</b>	F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 27	
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE: 1"=20'	SHEET 3 OF 8 SHEETS	STA. 10+00 TO STA. 15+00	CONTRACT NO. 61C48		
	PLOT DATE = 2/14/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NO. 1	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS CHECKED	NO.



FILE NAME = F:\1300545-sht-plnprf4.dgn  
 Default

USER NAME = AninoFlores	DESIGNED - AEA	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - LMC	REVISED -
PLOT DATE = 2/14/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
SAYTON ROAD**

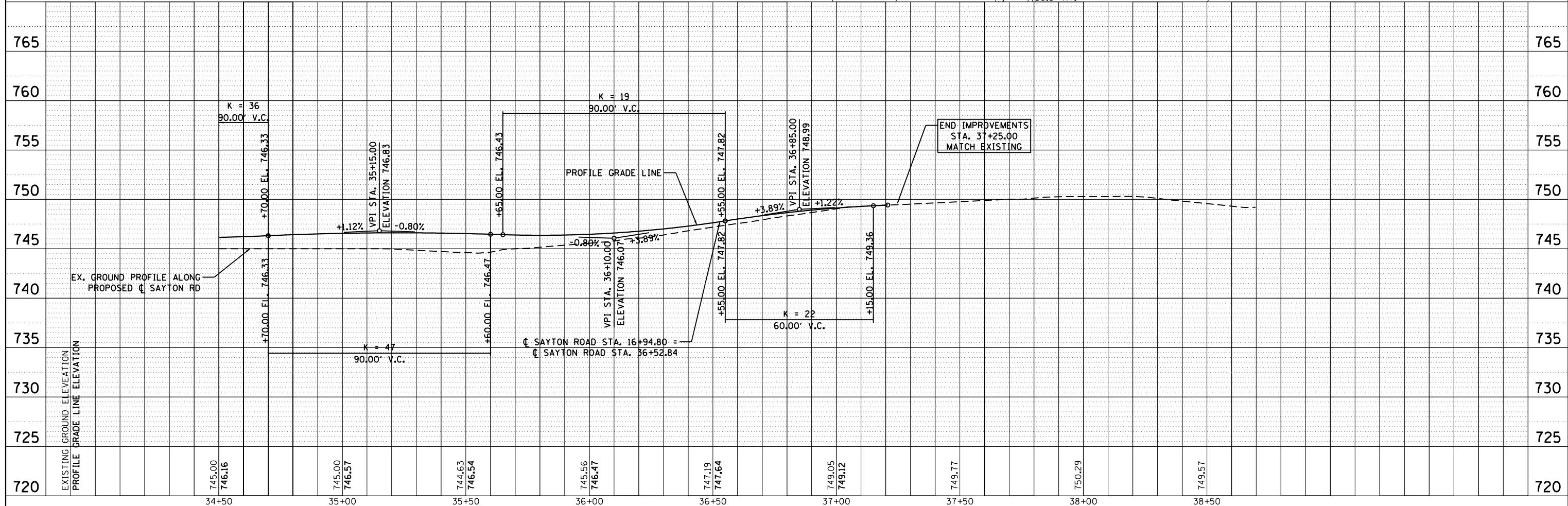
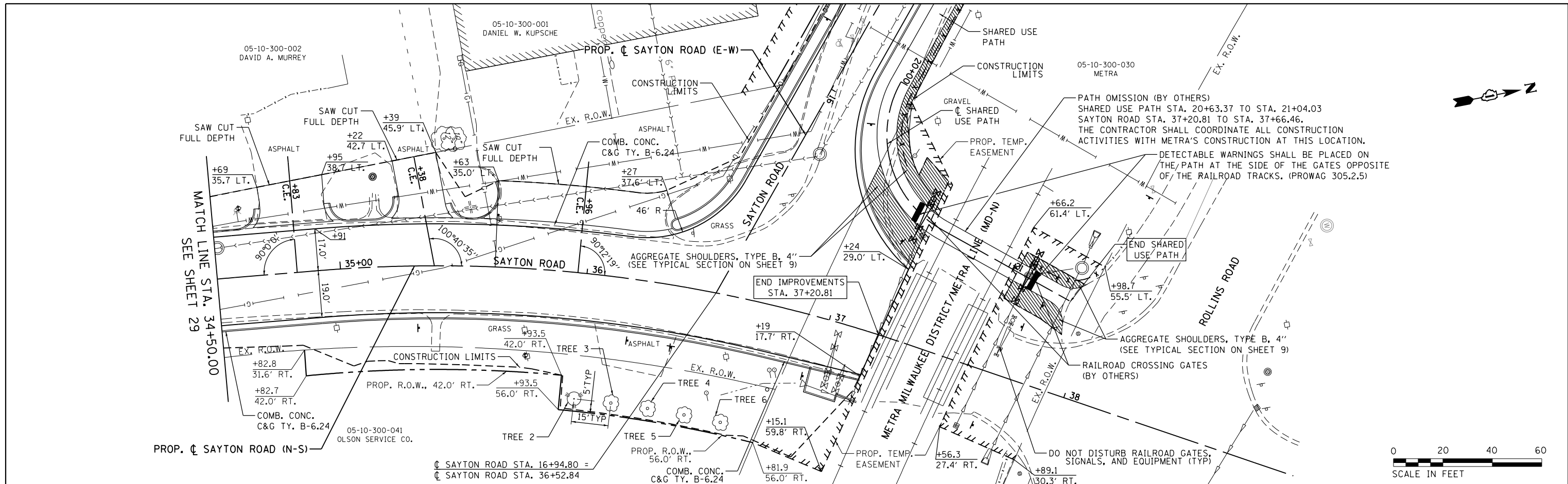
SCALE: 1"=20'    SHEET 4 OF 8 SHEETS    STA. 15+00.00 TO STA. 16+95.00

F.A.U. RTE. 151-152	SECTION 04-00018-00-FD	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 28
CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	



FILE NAME = F01380545-sht-plnprf6.dgn  
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USER NAME =	ANinoFlores	DESIGNED -	AEA	REVISED -	
		DRAWN -	LMC	REVISED -	
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		DATE -		REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

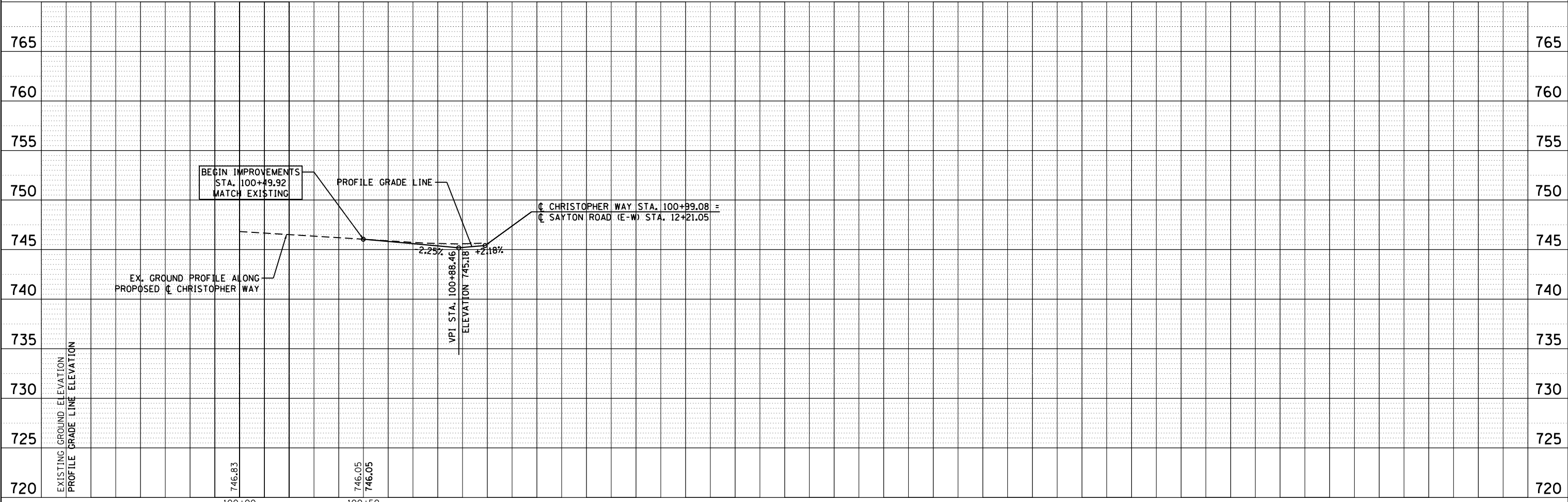
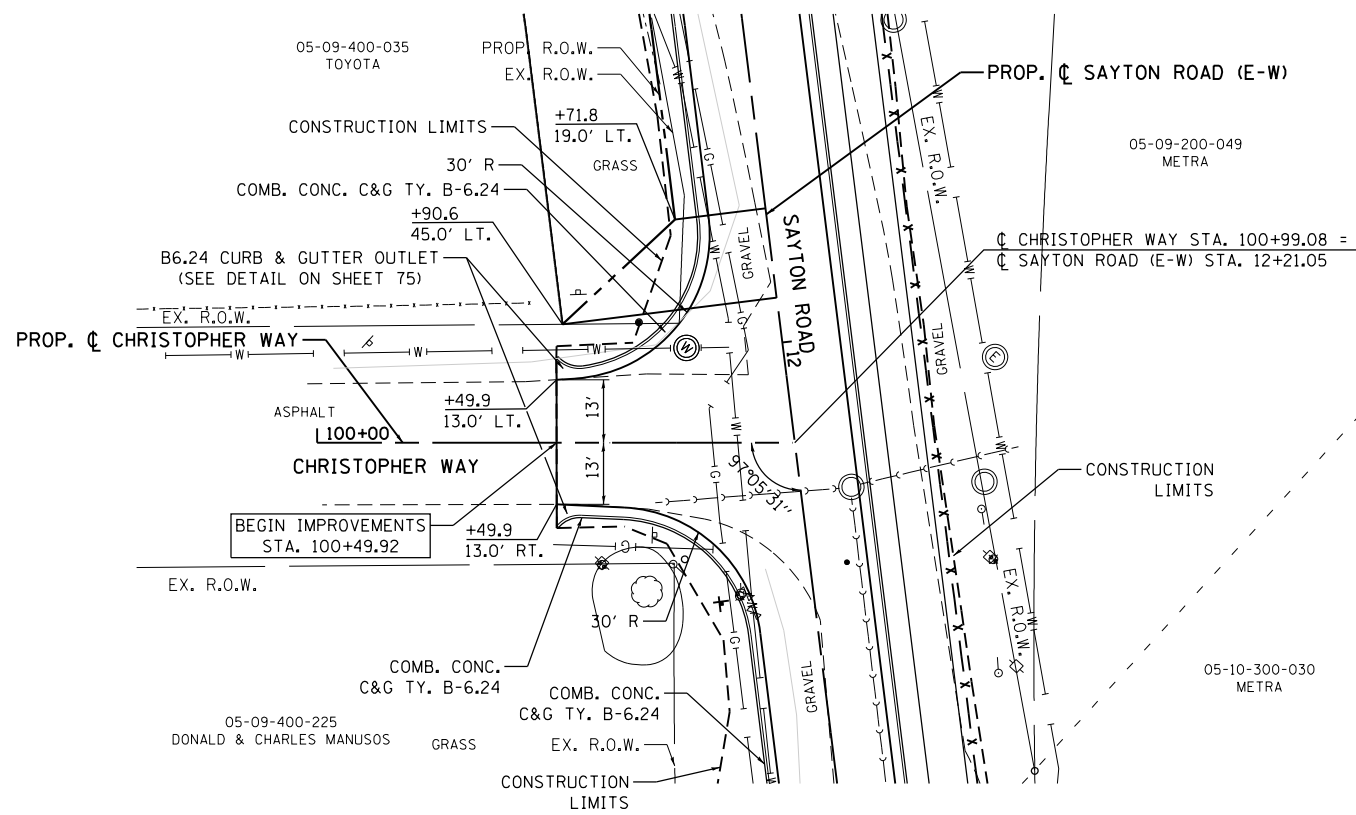
**PLAN AND PROFILE  
SAYTON ROAD**

SCALE: 1"=20'    SHEET 6 OF 8 SHEETS    STA. 34+50.00 TO STA. 37+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	30
CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	

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

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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



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PLOT SCALE = 40.0000' / in.	DRAWN - LMC	REVISED -
PLOT DATE = 2/14/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
 CHRISTOPHER WAY**  
 SCALE: 1"=20' SHEET 7 OF 8 SHEETS STA. 100+49.92 TO STA. 100+99.08

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	31
				CONTRACT NO. 61C48
ILLINOIS FED. AID PROJECT				





**MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING SEQUENCE**

**STAGE 1**

**GOAL**  
THE GOAL OF THE STAGE 1 IS TO PREPARE FOR THE IMPLEMENTATION OF THE MAINTENANCE OF TRAFFIC, PREPARE ALL SIGNAGE, BARRICADES, DRUMS, TEMPORARY PAVEMENT, AND TEMPORARY PAVEMENT MARKING FOR STAGE 2, AND ESTABLISH THE DETOUR ROUTE.

TO REDUCE CONFLICTS WITH TRAFFIC LANES DURING STAGE 2A, 2B, AND 2C, CONSTRUCT PIPES 6, 8, 13, 17, 17A, 18, 21, 27, 30, 33, 34, 36, 38, 40, AND 68.

**MAINTENANCE OF TRAFFIC PLAN**  
TRAFFIC SHALL BE MAINTAINED ON EXISTING ROADWAYS: U.S. 12, SAYTON ROAD (E-W), AND SAYTON ROAD (N-S). THE SPEED LIMIT SHALL BE THE EXISTING POSTED SPEED.

**STAGE 2**

**GOAL**  
THE GOAL OF STAGE 2 IS TO COMPLETE THE CONSTRUCTION OF SAYTON ROAD (E-W), CHRISTOPHER WAY, AND THE SHARED-USE PATH.

**CONSTRUCTION**  
THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO: MAINTENANCE OF TRAFFIC, TEMPORARY ACCESS, TEMPORARY EROSION CONTROL MEASURES, CLEARING, PAVEMENT REMOVAL, STORM SEWER, WATERMAIN, UTILITY ADJUSTMENTS, PROPOSED PAVEMENT, CURB AND GUTTER, AGGREGATE SHOULDER, SIDEWALK, SHARED-USE PATH, CHAIN LINK FENCE, RETAINING WALL REMOVAL AND RECONSTRUCTION, AND EARTHWORK.

**STAGE 2 - SUBSTAGE A**

**GOAL**  
THE GOAL OF STAGE 2A IS TO CONSTRUCT THE NORTH PORTION OF SAYTON ROAD (E-W) FROM STA. 0+85 THROUGH STA. 16+60 AND THE SOUTH PORTION OF SAYTON ROAD (E-W) FROM STA. 3+99 TO STA. 16+84.

TO REDUCE CONFLICTS WITH TRAFFIC LANES DURING STAGE 3A AND 3B, CONSTRUCT PIPES 50 THROUGH 57, STRUCTURES 51, 54, AND 57, AND THE PROPOSED 12" WATERMAIN.

**MAINTENANCE OF TRAFFIC PLAN**  
SAYTON ROAD (E-W) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED IN ONE LANE TRAVELING WESTBOUND ONLY. THE CONSTRUCTION SPEED LIMIT SHALL BE 20 MPH. SAYTON ROAD (E-W) THROUGH TRAFFIC SHALL BE MAINTAINED ON THE DETOUR ROUTE. THE SPEED LIMIT SHALL BE THE EXISTING POSTED SPEED.

SAYTON ROAD (E-W) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED ON EXISTING ROADWAY FOR THE LENGTH OF THE CONSTRUCTION ZONE, IN ADDITION TO TEMPORARY PAVEMENT FROM STA. 3+06 TO STA. 5+10 AND FROM STA. 6+64 TO STA. 8+22.

**STAGE 2 - SUBSTAGE B**

**GOAL**  
THE GOAL OF STAGE 2B IS TO CONSTRUCT THE SOUTH PORTION OF SAYTON ROAD (E-W) FROM STA. 0+40 THROUGH STA. 11+87 AND THE NORTH PORTION OF SAYTON ROAD (E-W) FROM STA. 13+29 TO STA. 16+70.

**MAINTENANCE OF TRAFFIC PLAN**  
SAYTON ROAD (E-W) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED IN ONE LANE TRAVELING WESTBOUND ONLY. THE CONSTRUCTION SPEED LIMIT SHALL BE 20 MPH. SAYTON ROAD (E-W) THROUGH TRAFFIC SHALL BE MAINTAINED ON THE DETOUR ROUTE. THE SPEED LIMIT SHALL BE THE EXISTING POSTED SPEED.

SAYTON ROAD (E-W) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED ON SUBSTANTIALLY COMPLETE ROADWAY FOR THE LENGTH OF THE CONSTRUCTION ZONE, IN ADDITION TO EXISTING PAVEMENT FROM STA. 10+43 TO STA. 13+29.

**STAGE 2 - SUBSTAGE C**

**GOAL**  
THE GOAL OF STAGE 2C IS TO COMPLETE THE CONSTRUCTION THE SOUTH PORTION OF SAYTON ROAD (E-W) FROM STA. 0+40 THROUGH STA. 11+00 AND THE NORTH PORTION OF SAYTON ROAD (E-W) FROM STA. 10+40 TO STA. 15+84, AS WELL AS THE AREA FROM STA. 16+43 TO STA. 16+77. CONSTRUCTION SHALL BE COMPLETED FOR SAYTON ROAD (E-W), CHRISTOPHER WAY, AND THE SHARED-USE PATH.

**MAINTENANCE OF TRAFFIC PLAN**  
SAYTON ROAD (E-W) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED IN ONE LANE TRAVELING WESTBOUND ONLY. THE CONSTRUCTION SPEED LIMIT SHALL BE 20 MPH. SAYTON ROAD (E-W) THROUGH TRAFFIC SHALL BE MAINTAINED ON THE DETOUR ROUTE. THE SPEED LIMIT SHALL BE THE EXISTING POSTED SPEED.

SAYTON ROAD (E-W) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED ON SUBSTANTIALLY COMPLETE ROADWAY FOR THE LENGTH OF THE CONSTRUCTION ZONE.

**STAGE 3**

**GOAL**  
THE GOAL OF STAGE 3 IS TO COMPLETE CONSTRUCTION OF SAYTON ROAD (N-S), INDUSTRIAL AVENUE, AND THE WATER MAIN.

**CONSTRUCTION**  
THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO: MAINTENANCE OF TRAFFIC, TEMPORARY ACCESS, TEMPORARY EROSION CONTROL MEASURES, CLEARING, TREE REMOVAL, PAVEMENT REMOVAL, STORM SEWER, WATERMAIN, CULVERTS, UTILITY ADJUSTMENTS, PROPOSED PAVEMENT, CURB AND GUTTER, SIDEWALK, SHARED-USE PATH, AND EARTHWORK.

**STAGE 3 - SUBSTAGE A**

**GOAL**  
THE GOAL OF STAGE 3A IS TO CONSTRUCT THE WEST PORTION OF SAYTON ROAD (N-S) FROM STA. 31+00 THROUGH STA. 36+52 AND SAYTON ROAD (N-S) FROM STA. 36+67 TO STA. 37+92.

**MAINTENANCE OF TRAFFIC PLAN**  
SAYTON ROAD (N-S) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED IN ONE LANE TRAVELING NORTHBOUND ONLY. THE CONSTRUCTION SPEED LIMIT SHALL BE 20 MPH. SAYTON ROAD (N-S) THROUGH TRAFFIC SHALL BE MAINTAINED ON THE DETOUR ROUTE. THE SPEED LIMIT SHALL BE THE EXISTING POSTED SPEED.

SAYTON ROAD (N-S) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED ON EXISTING ROADWAY FOR THE LENGTH OF THE CONSTRUCTION ZONE.

**STAGE 3 - SUBSTAGE B**

**GOAL**  
THE GOAL OF STAGE 3B IS TO CONSTRUCT THE EAST PORTION OF SAYTON ROAD (N-S) FROM STA. 31+00 THROUGH STA. 36+73.

**MAINTENANCE OF TRAFFIC PLAN**  
SAYTON ROAD (N-S) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED IN ONE LANE TRAVELING NORTHBOUND ONLY. THE CONSTRUCTION SPEED LIMIT SHALL BE 20 MPH. SAYTON ROAD (N-S) THROUGH TRAFFIC SHALL BE MAINTAINED ON THE DETOUR ROUTE. THE SPEED LIMIT SHALL BE THE EXISTING POSTED SPEED.

SAYTON ROAD (N-S) LOCAL ACCESS TRAFFIC SHALL BE MAINTAINED ON THE COMPLETED ROADWAY FOR THE LENGTH OF THE CONSTRUCTION ZONE.

**STAGE 4**

**GOAL**  
THE GOAL OF STAGE 4 IS TO CONSTRUCT SURFACE, FINAL PAVEMENT MATERIALS, AND ALL REMAINING ITEMS FOR THE PROJECT IN ALL OFF-ROADWAY AREAS WITHIN THE CONSTRUCTION LIMITS AND RIGHT-OF-WAY.

**MAINTENANCE OF TRAFFIC PLAN**  
SAYTON ROAD (E-W) AND SAYTON ROAD (N-S) TRAFFIC SHALL BE MAINTAINED ON SUBSTANTIALLY COMPLETE ROADWAYS. THE SPEED LIMIT SHALL BE POSTED PER THE SIGNAGE PLAN.

**MAINTENANCE OF TRAFFIC NOTES**

1. THE WORK ZONE SPEED LIMIT IS TO BE 20 MPH UNLESS NOTED OTHERWISE IN THE MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING SEQUENCE.
2. FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT TO THE DATE OF THIS CONTRACT, ARE TO BE USED FOR THIS PROJECT.
3. SEE HIGHWAY STANDARDS FOR DETAILS: 701901 TRAFFIC CONTROL DEVICES
4. THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTIES ADJACENT TO THE PROJECT AT ALL TIMES.
5. LOCAL ACCESS TO SAYTON ROAD (E-W) AND SAYTON ROAD (N-S) IS TO BE MAINTAINED AT ALL TIMES.
6. FROM DECEMBER 1 THROUGH MARCH 31, TRAFFIC SHALL BE MAINTAINED ON AN HMA OR CONCRETE SURFACE FROM WHICH SNOW CAN BE REMOVED BY A VILLAGE PLOW VEHICLE.
7. TRAFFIC SHALL BE MAINTAINED ON A HARDENED SURFACE SUCH AS COMPACTED AGGREGATE, ASPHALT PAVEMENT, OR CONCRETE PAVEMENT.

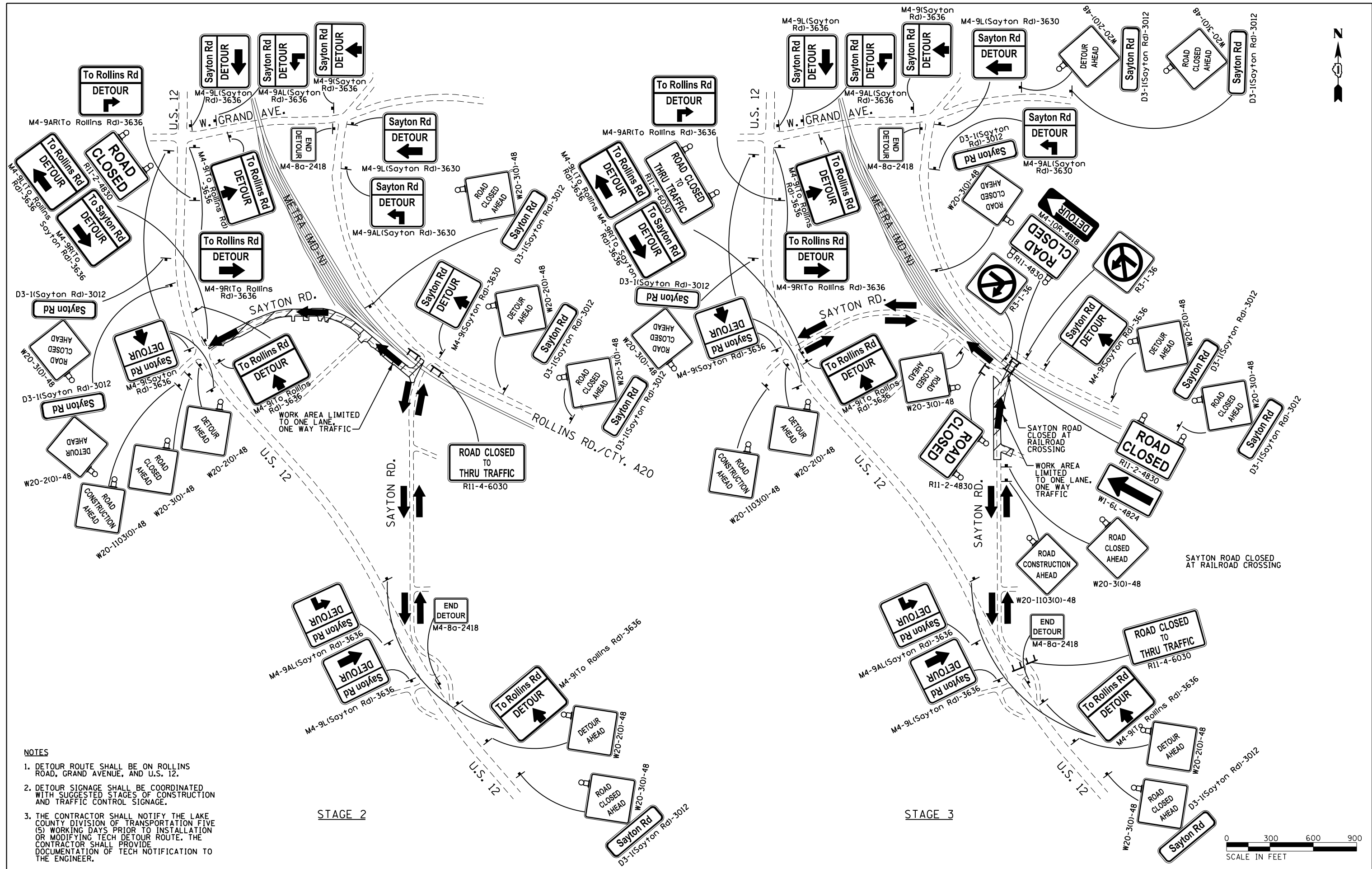
SHOULD THE CONTRACTOR USE MATERIAL THAT IS NOT TO BE PART OF THE FINAL PAVEMENT TO MAINTAIN TRAFFIC, THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN, REALIGN, REPAIR, OR REPLACE THE COMPACTED AGGREGATE, AS DIRECTED BY THE ENGINEER, THAT ARE DISPLACED OR DAMAGED BY TRAFFIC, CONTRACTOR OPERATIONS, OR ANY OTHER CAUSE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL COMPACTED AGGREGATE.

SHOULD THE CONTRACTOR USE MATERIAL THAT IS TO BE PART OF THE FINAL PAVEMENT TO MAINTAIN TRAFFIC, THE CONTRACTOR SHALL REPAIR OR REPLACE THE COMPACTED AGGREGATE BASE TO ACHIEVE THE MINIMUM THICKNESS, LINE, AND GRADE, PRIOR TO PLACING MATERIAL LAYERS ON THE COMPACTED AGGREGATE BASE.

8. A "NO RIGHT TURN" (R3-1) OR "NO LEFT TURN" (R3-2) SIGN SHALL BE PLACED ON ALL APPROACHES THAT ENTER ONTO A ONE-WAY ROAD. TWO "ONE WAY" (R6-1) SIGNS (ONE AT NEAR SIDE AND ONE AT FAR SIDE PER MUTCD), POINTING IN THE DIRECTION OF TRAFFIC, SHALL BE PLACED ACROSS FROM ALL APPROACHES THAT ENTER ONTO A ONE-WAY ROAD.
9. THE CONTRACTOR SHALL NOTIFY THE LAKE COUNTY DIVISION OF TRANSPORTATION FIVE (5) WORKING DAYS PRIOR TO INSTALLATION OR MODIFYING TECH DETOUR ROUTE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF TECH NOTIFICATION TO THE ENGINEER.

BETSY A. DUCKERT, P.E.  
MANAGER OF PERMITTING  
LAKE COUNTY DIVISION OF TRANSPORTATION  
600 W. WINCHESTER ROAD  
LIBERTYVILLE, IL 60048  
(P): 847.377.7400  
(F): 847.984.5944  
(E-MAIL): HDPERMITS@LAKECOUNTYIL.GOV

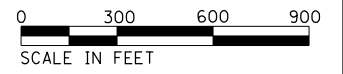
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P:\F0130545_Fox Lake - Sayton Road Phase II\Plans\CADD_Sheets\F01300545-sht-mot-not-DRAWN		DRAWN - WME	REVISED -			151-152	04-00018-00-FP	LAKE	133	33	
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			<b>CONTRACT NO. 61C48</b>					
	PLOT DATE = 2/14/2018	DATE -	REVISED -			SCALE:	SHEET 1 OF 17 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



- NOTES**
1. DETOUR ROUTE SHALL BE ON ROLLINS ROAD, GRAND AVENUE, AND U.S. 12.
  2. DETOUR SIGNAGE SHALL BE COORDINATED WITH SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SIGNAGE.
  3. THE CONTRACTOR SHALL NOTIFY THE LAKE COUNTY DIVISION OF TRANSPORTATION FIVE (5) WORKING DAYS PRIOR TO INSTALLATION OR MODIFYING TECH DETOUR ROUTE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF TECH NOTIFICATION TO THE ENGINEER.

STAGE 2

STAGE 3

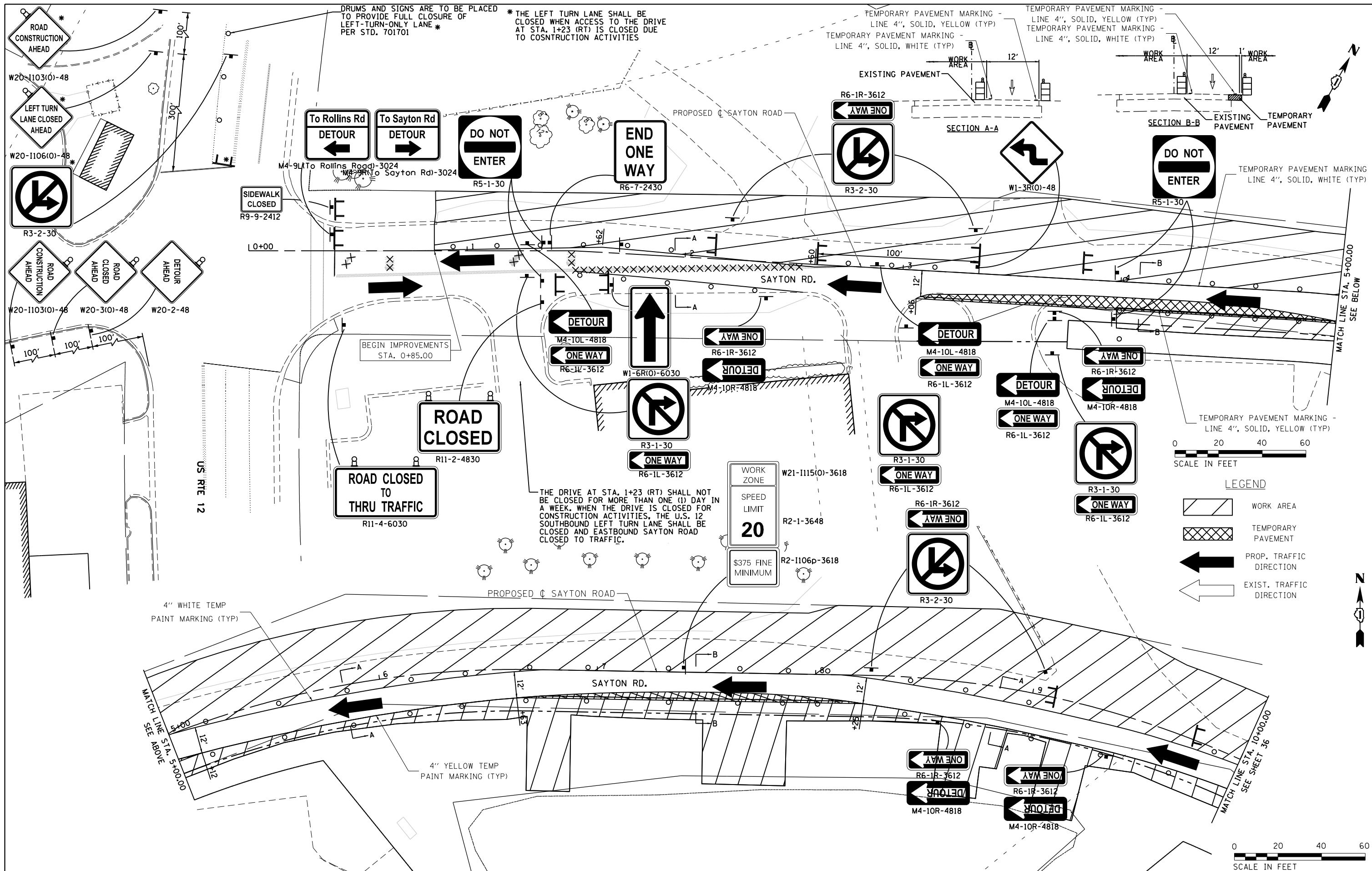


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	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	
DETOUR	
SCALE: 1"=500'	SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-152	04-00018-00-FP	LAKE	133	34
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	WORK AREA
	TEMPORARY PAVEMENT
	PROP. TRAFFIC DIRECTION
	EXIST. TRAFFIC DIRECTION



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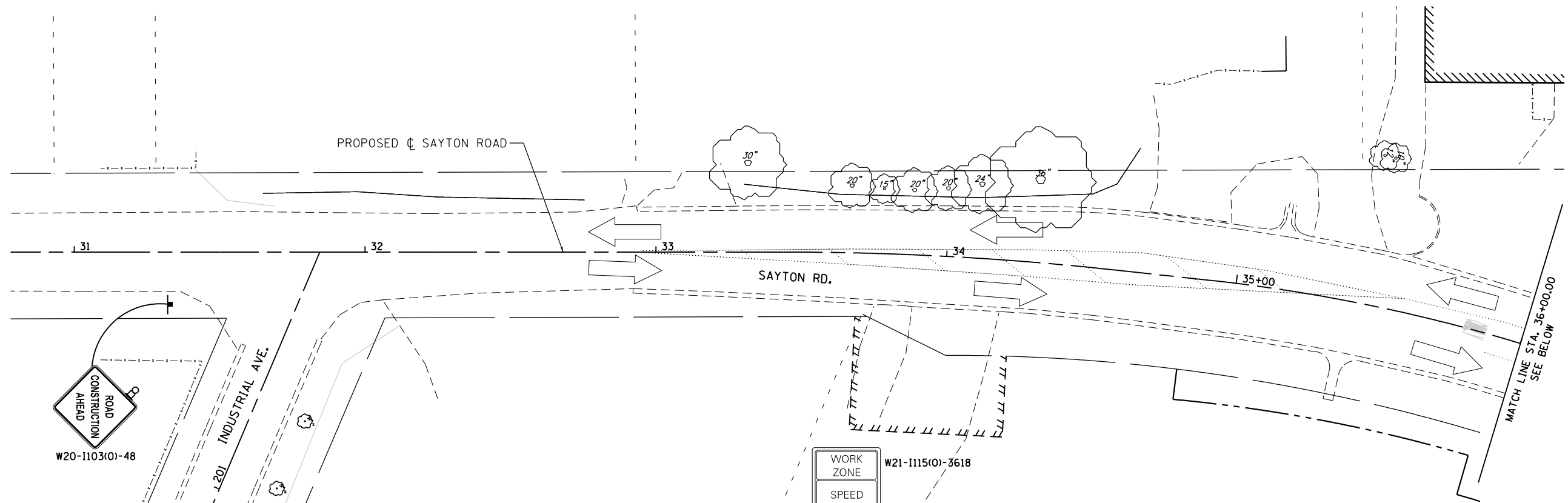
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 2A**

SCALE: 1"=20' SHEET 3 OF 17 SHEETS STA. 0+00 TO STA. 10+00

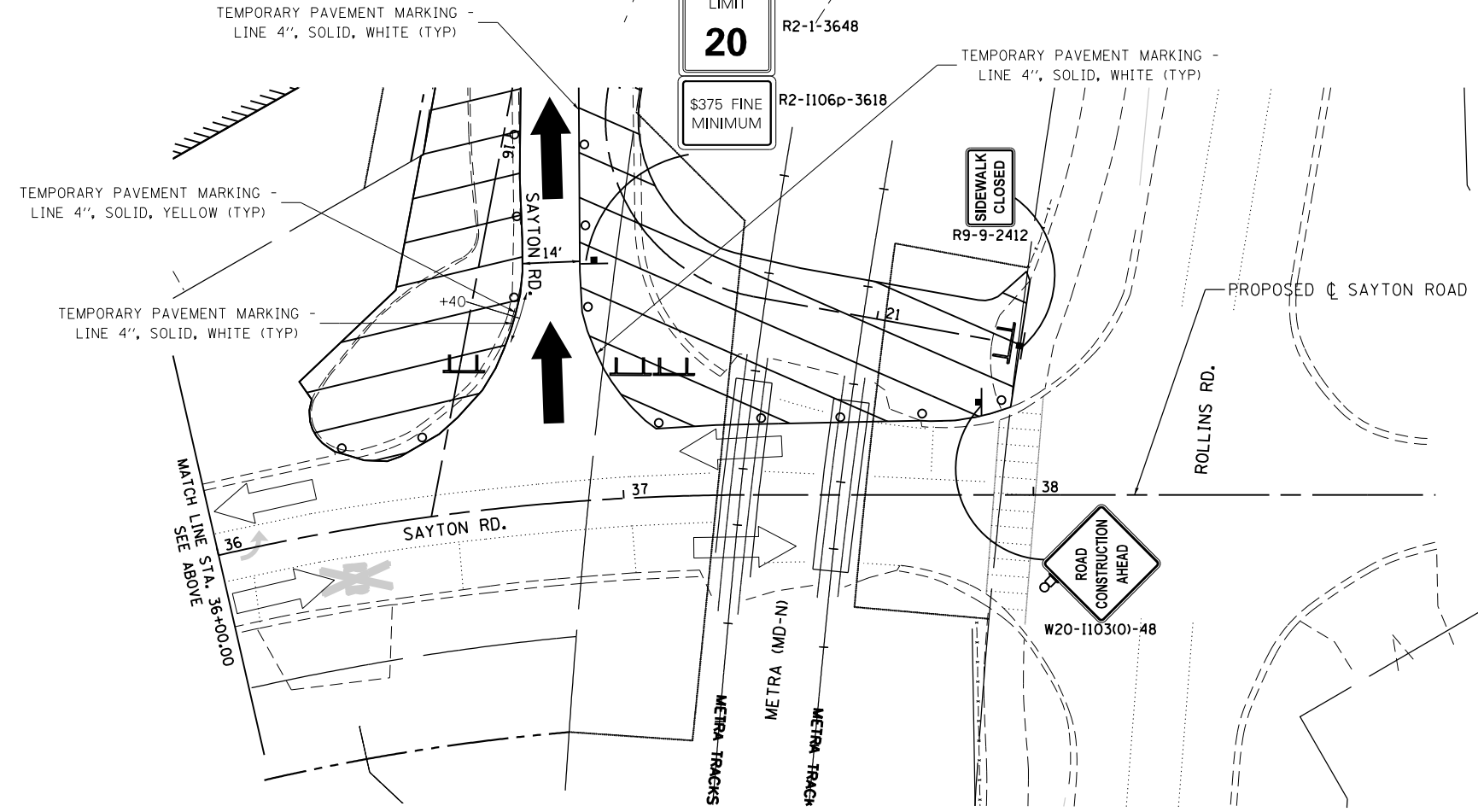
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151-152	04-00018-00-FP	LAKE	133	35
			CONTRACT NO. 61C48	
ILLINOIS FED. AID PROJECT				





LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- PROP. TRAFFIC DIRECTION
- EXIST. TRAFFIC DIRECTION



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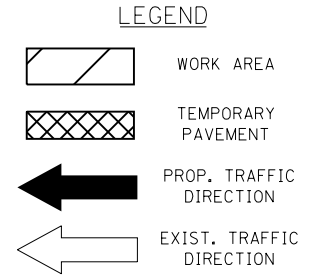
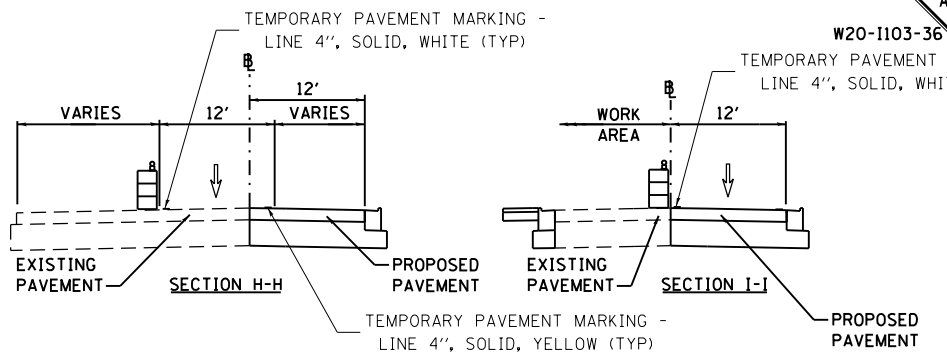
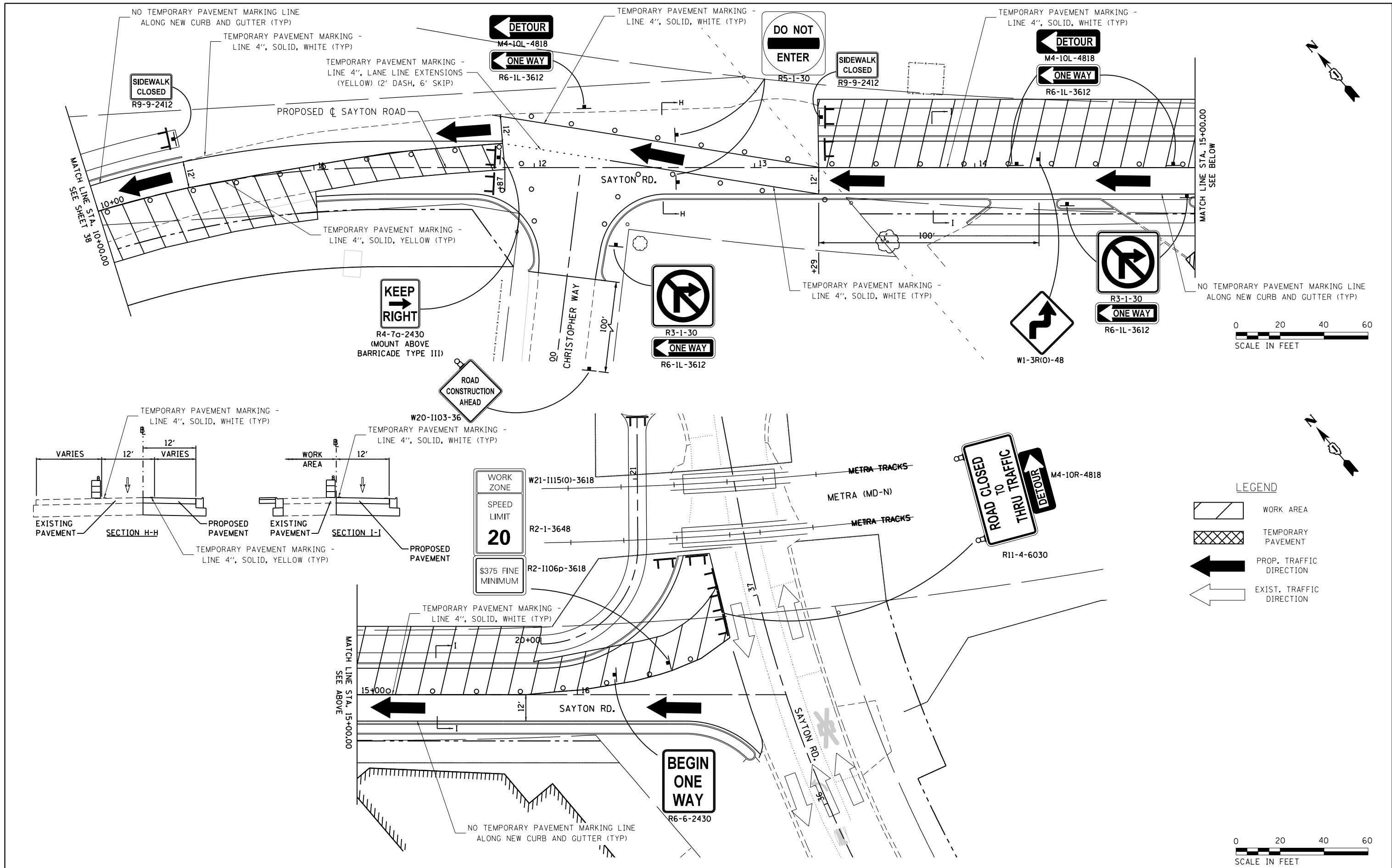
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 2A

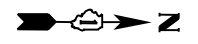
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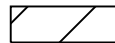
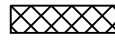


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-152	04-00018-00-FP	LAKE	133	37
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

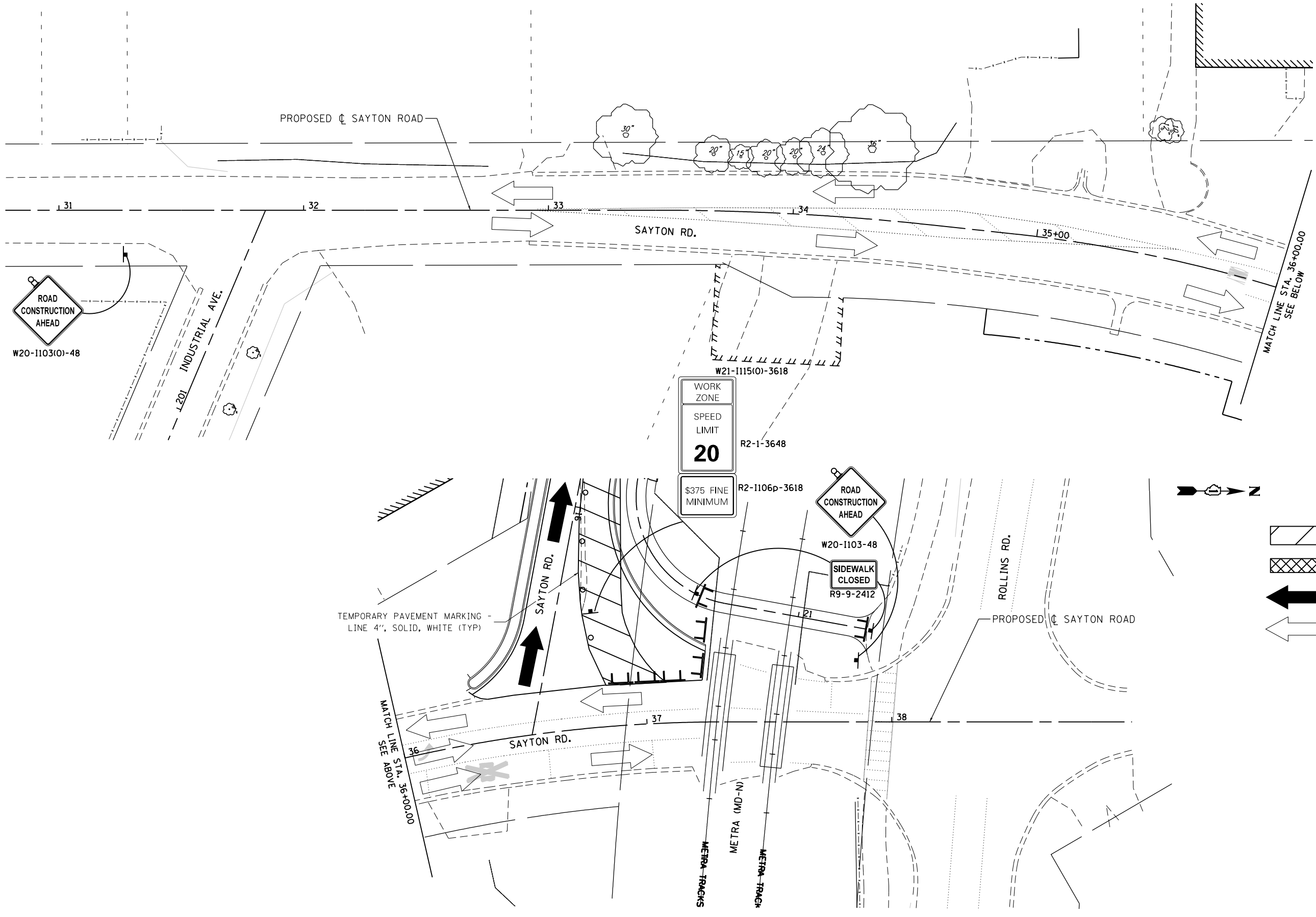




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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 2/14/2018	DATE -	REVISED -									



- LEGEND**
-  WORK AREA
  -  TEMPORARY PAVEMENT
  -  PROP. TRAFFIC DIRECTION
  -  EXIST. TRAFFIC DIRECTION



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

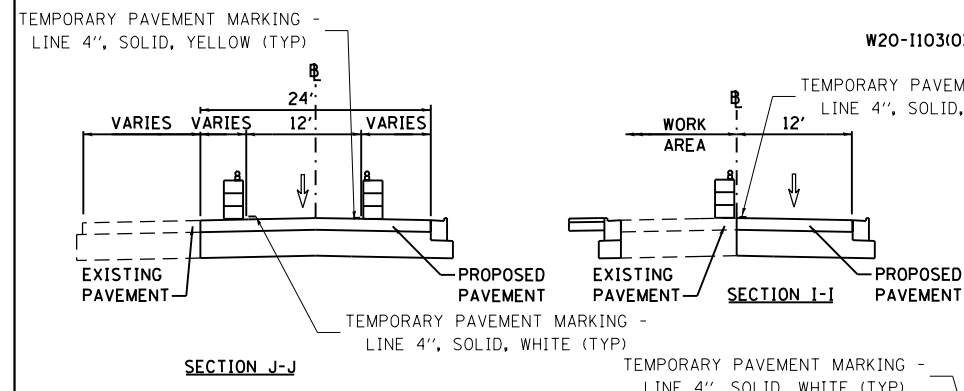
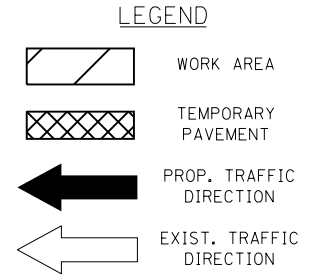
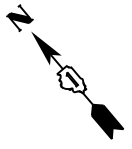
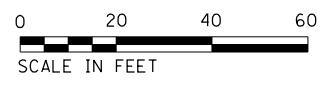
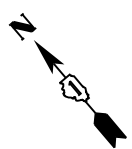
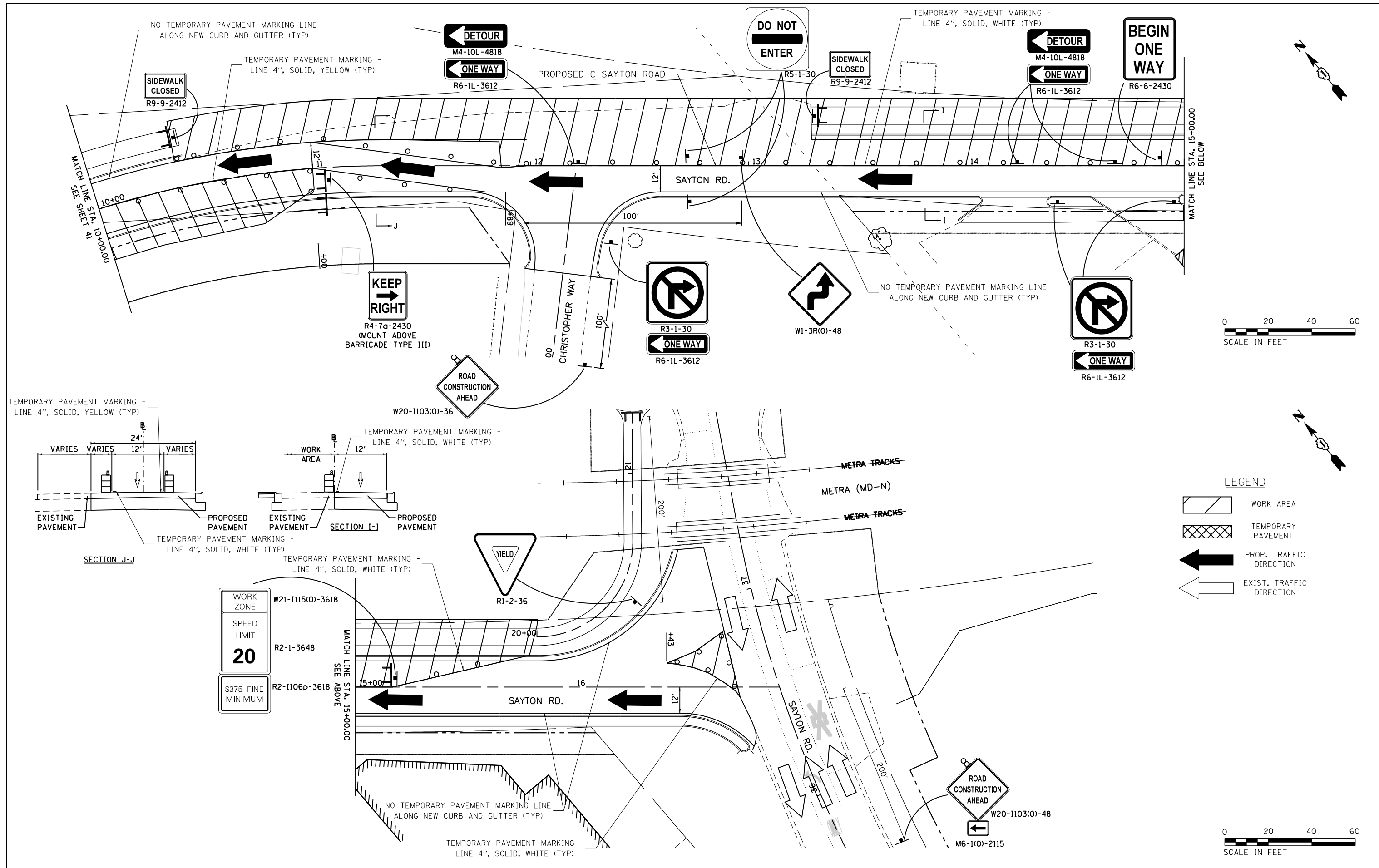
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 2B**

SCALE: 1"=20'    SHEET 8    OF 17    SHEETS    STA. 31+00    TO STA. 38+00

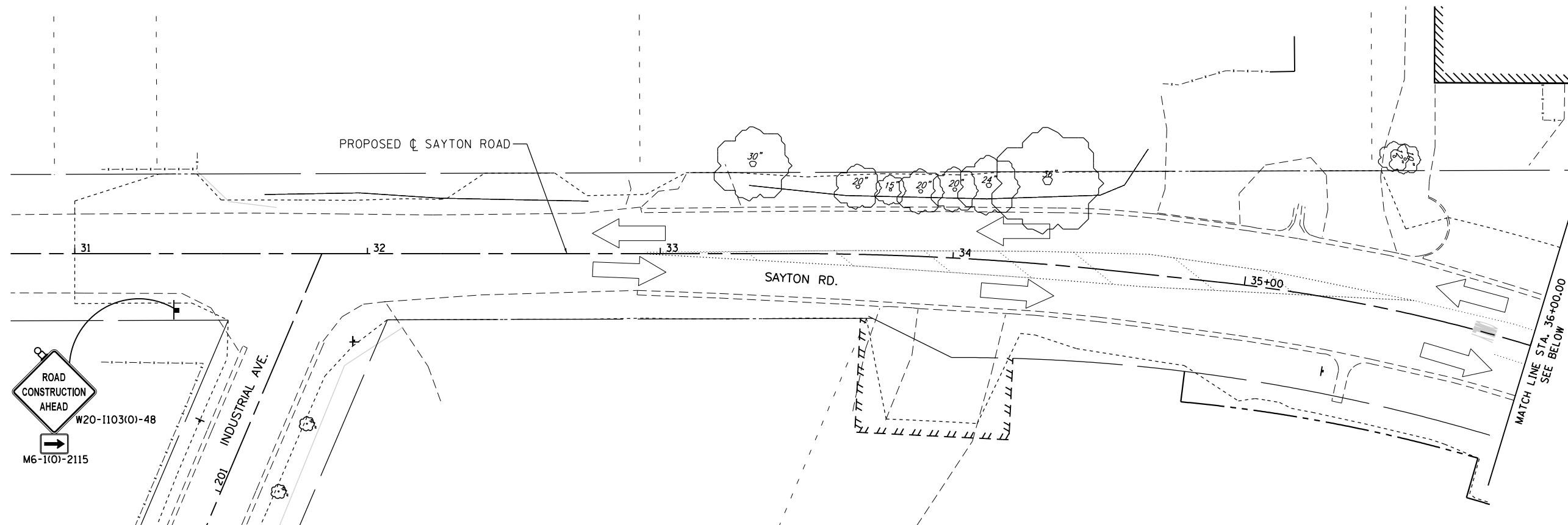
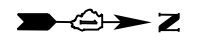
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	40
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				





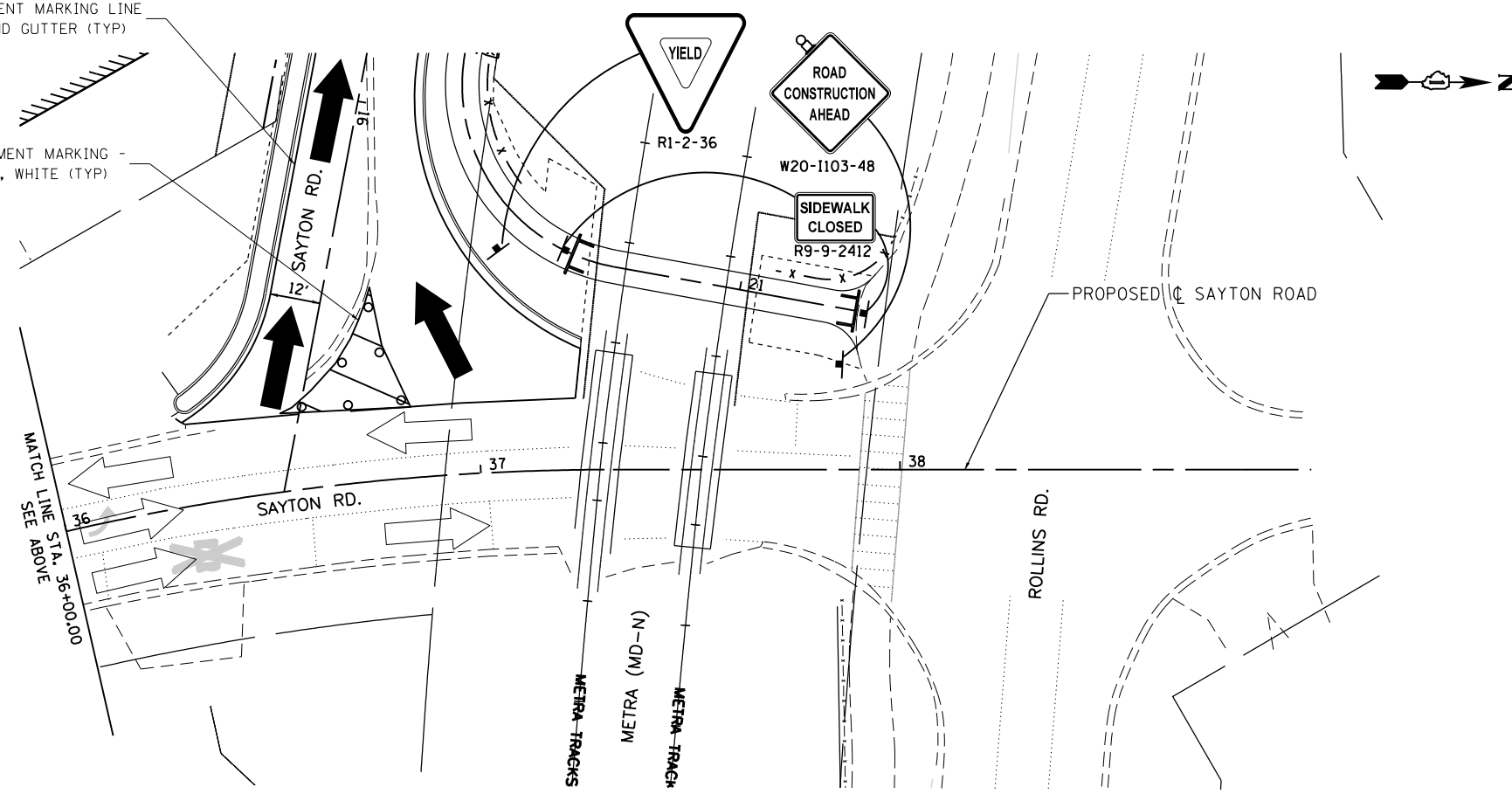


FILE NAME = P:\F0130545_Fox Lake - Sayton Road Phase	USER NAME = ANinoFlores	DESIGNED - RON	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2C</b>			F.A.U. R.T.E. = 151-152	SECTION = 04-00018-00-FP	COUNTY = LAKE	TOTAL SHEETS = 133	SHEET NO. = 42
Default	I:\Plans\CADD_Sheets\F01300545-sht-mot2c.d	DRAWN - WME	REVISED -					SCALE: 1"=20'	SHEET 10	OF 17 SHEETS	STA. 15+00	TO STA. 17+14.85
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 2/14/2018	DATE -	REVISED -									



NO TEMPORARY PAVEMENT MARKING LINE  
ALONG NEW CURB AND GUTTER (TYP)

TEMPORARY PAVEMENT MARKING -  
LINE 4", SOLID, WHITE (TYP)



LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- PROP. TRAFFIC DIRECTION
- EXIST. TRAFFIC DIRECTION



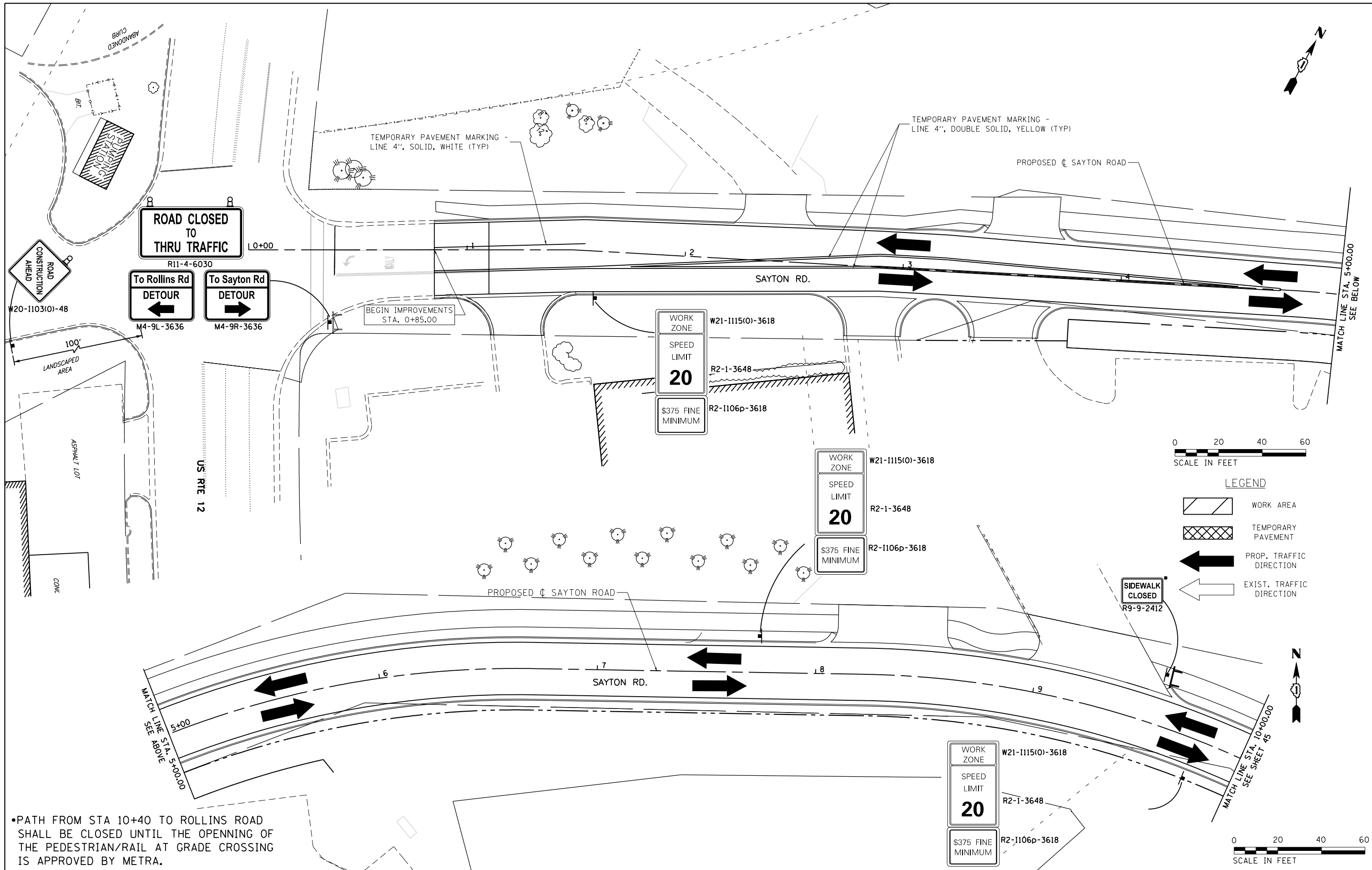
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 2C**

SCALE: 1"=20'    SHEET 11 OF 17 SHEETS    STA. 31+00 TO STA. 38+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	43
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



•PATH FROM STA 10+40 TO ROLLINS ROAD SHALL BE CLOSED UNTIL THE OPENING OF THE PEDESTRIAN/RAIL AT GRADE CROSSING IS APPROVED BY METRA.

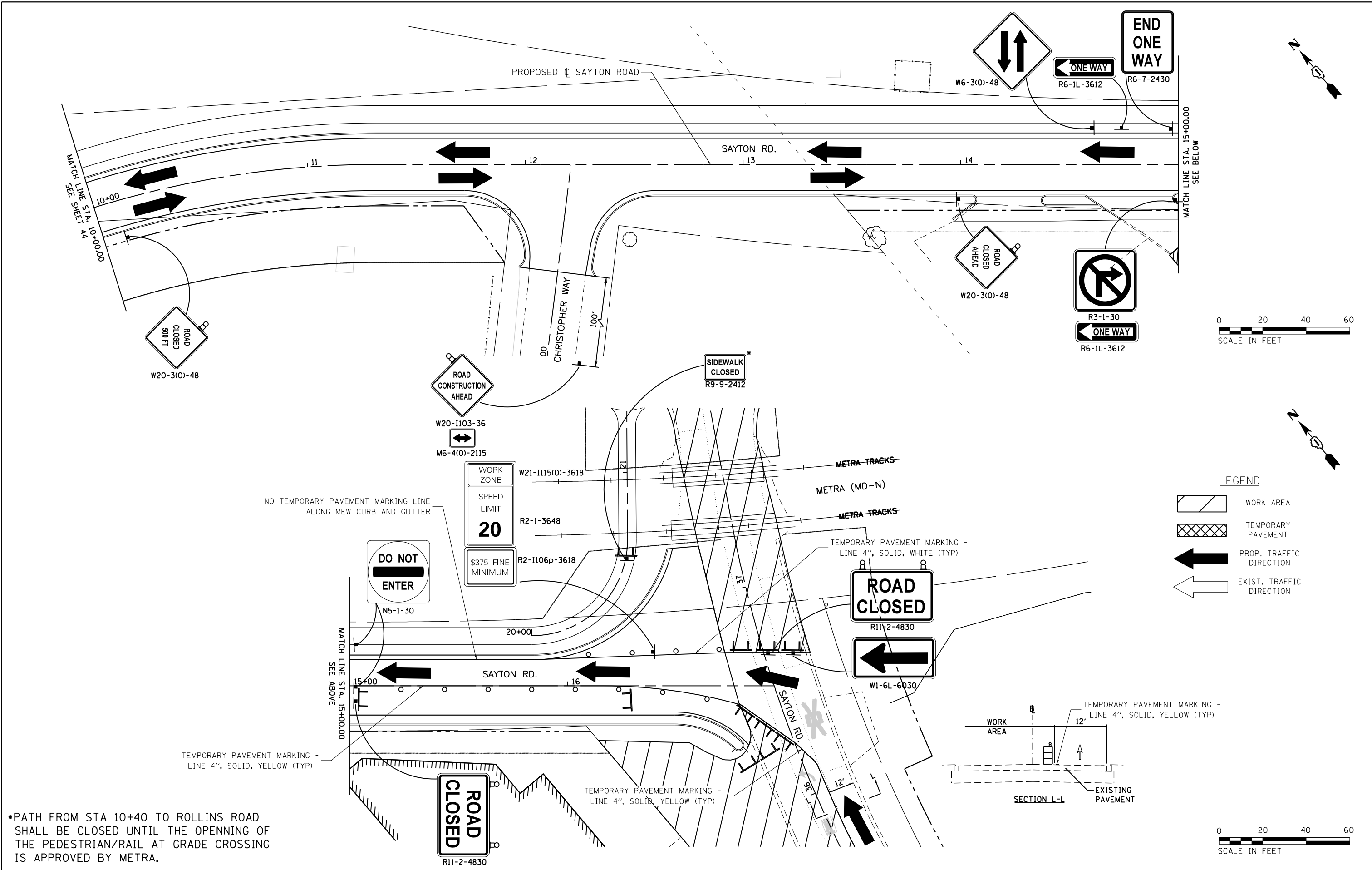
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 3A**

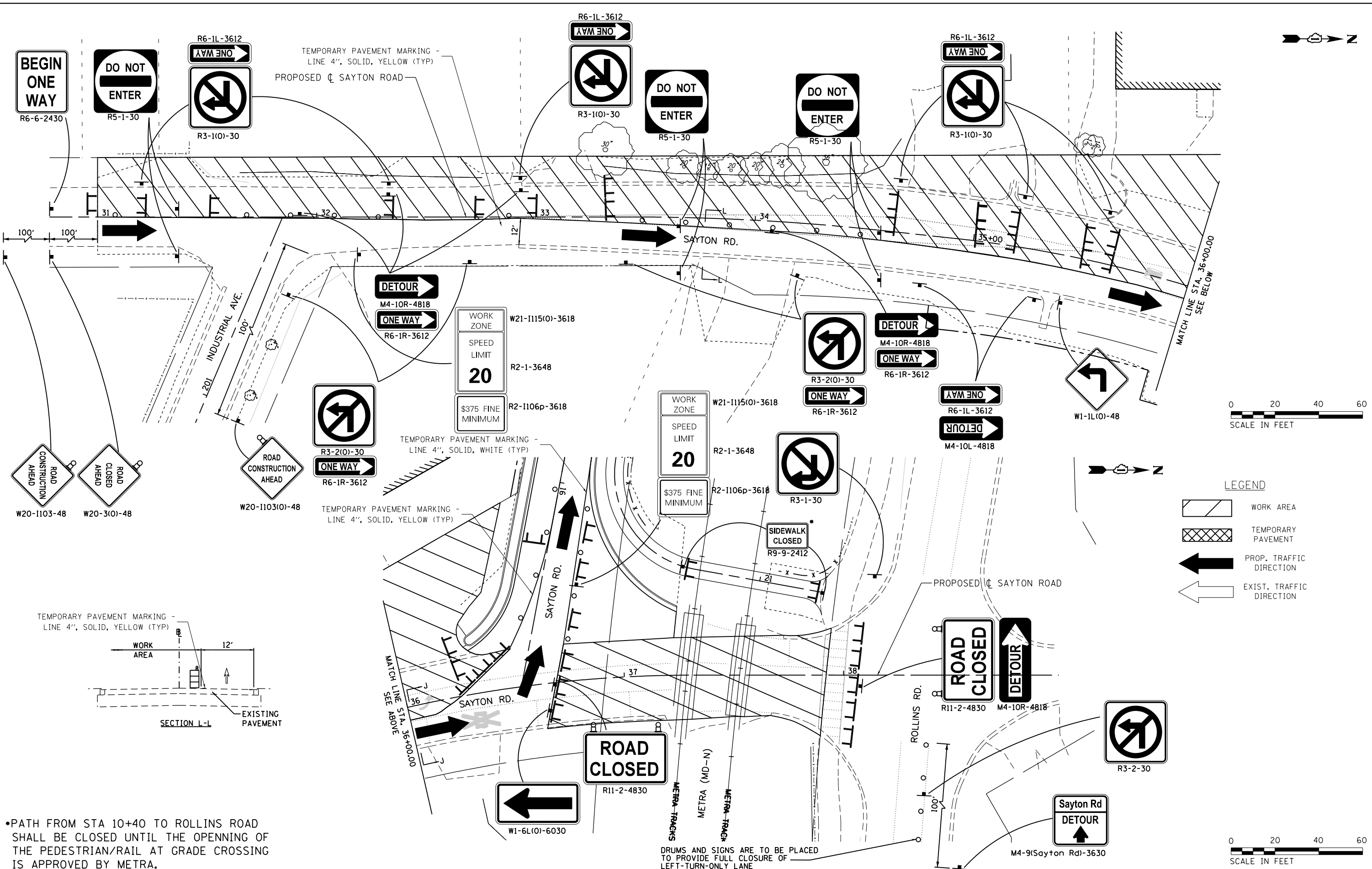
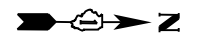
SCALE: 1"=20'    SHEET 12 OF 17 SHEETS    STA. 0+00 TO STA. 10+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	44
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

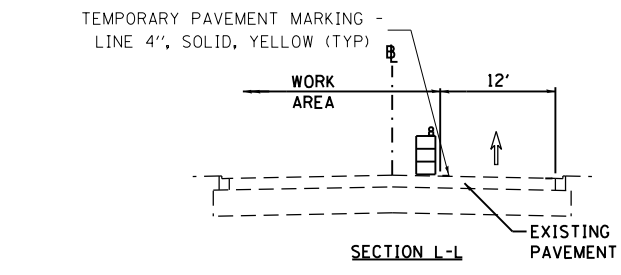


•PATH FROM STA 10+40 TO ROLLINS ROAD SHALL BE CLOSED UNTIL THE OPENING OF THE PEDESTRIAN/RAIL AT GRADE CROSSING IS APPROVED BY METRA.

FILE NAME = P:\F0130545_Fox Lake - Sayton Road Phase	USER NAME = AninoFlores	DESIGNED - RON	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL</b> <b>STAGE 3A</b>	F.A.U. R.T.E. = 151-152	SECTION = 04-00018-00-FP	COUNTY = LAKE	TOTAL SHEETS = 133	SHEET NO. = 45		
Default	Plot Scale = 40.0000' / in.	CHECKED - WME	REVISED -			SCALE: 1"=20'	SHEET 13 OF 17 SHEETS	STA. 15+00 TO STA. 17+14.85	CONTRACT NO. 61C48			
	PLOT DATE = 2/14/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						



- LEGEND**
- WORK AREA
  - TEMPORARY PAVEMENT
  - PROP. TRAFFIC DIRECTION
  - EXIST. TRAFFIC DIRECTION



•PATH FROM STA 10+40 TO ROLLINS ROAD SHALL BE CLOSED UNTIL THE OPENING OF THE PEDESTRIAN/RAIL AT GRADE CROSSING IS APPROVED BY METRA.

DRUMS AND SIGNS ARE TO BE PLACED TO PROVIDE FULL CLOSURE OF LEFT-TURN-ONLY LANE PER STD. 701701 \*

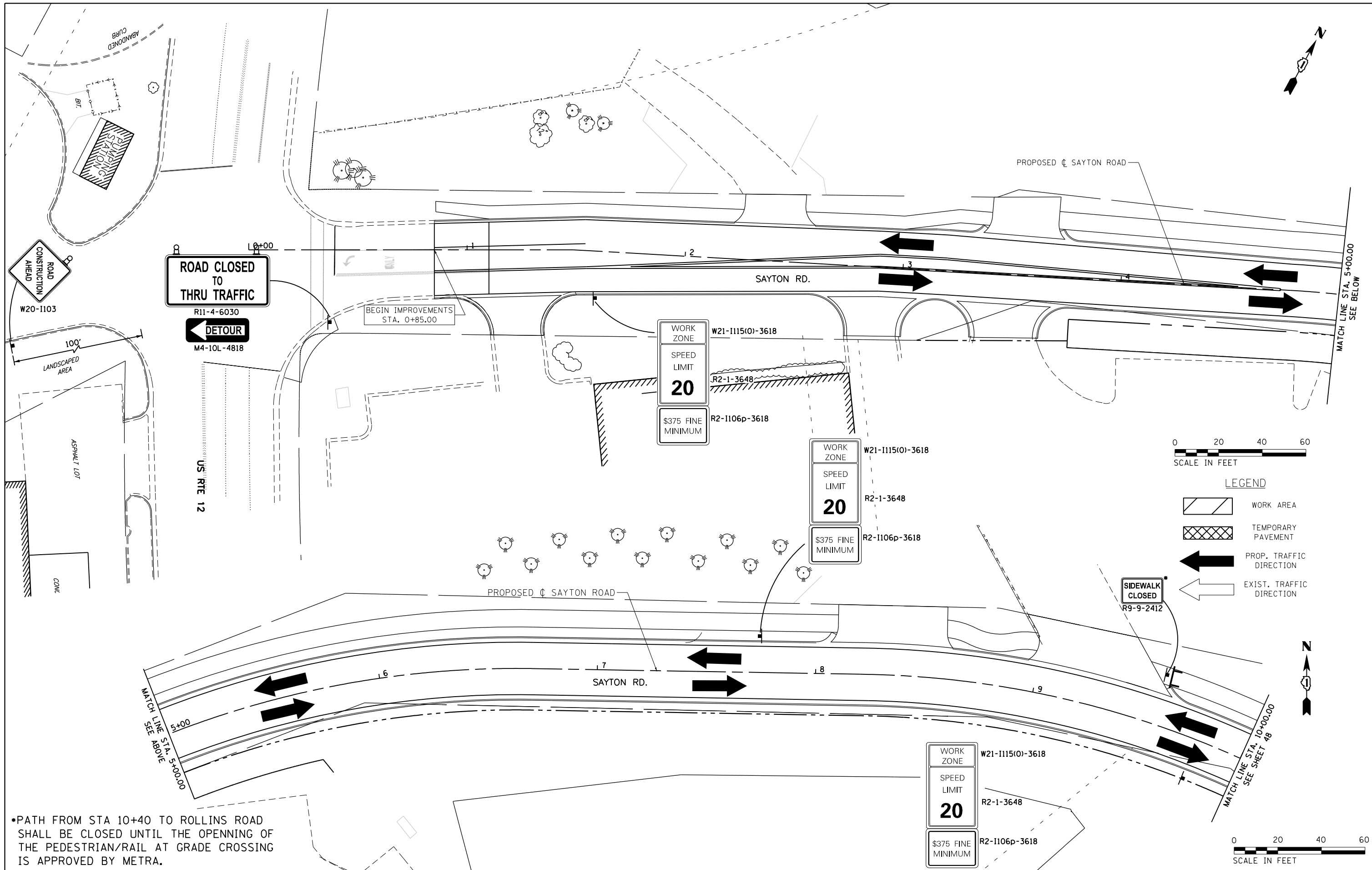
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P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545-sht-mot3a.3	DRAWN - WME	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

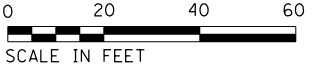
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 3A**

SCALE: 1"=20' SHEET 14 OF 17 SHEETS STA. 31+00 TO STA. 38+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-152	04-00018-00-FP	LAKE	133	46
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

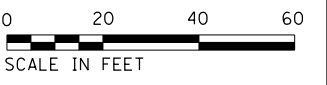


•PATH FROM STA 10+40 TO ROLLINS ROAD SHALL BE CLOSED UNTIL THE OPENING OF THE PEDESTRIAN/RAIL AT GRADE CROSSING IS APPROVED BY METRA.



**LEGEND**

	WORK AREA
	TEMPORARY PAVEMENT
	PROP. TRAFFIC DIRECTION
	EXIST. TRAFFIC DIRECTION



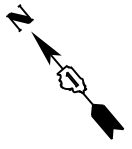
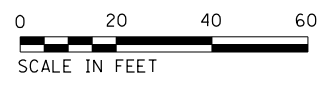
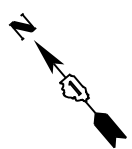
FILE NAME =	USER NAME = ANinoFlores	DESIGNED - RON	REVISED -
P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545-sht-mot3b.1.d	DRAWN - WME	REVISED -
Default	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

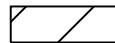



**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 3B**

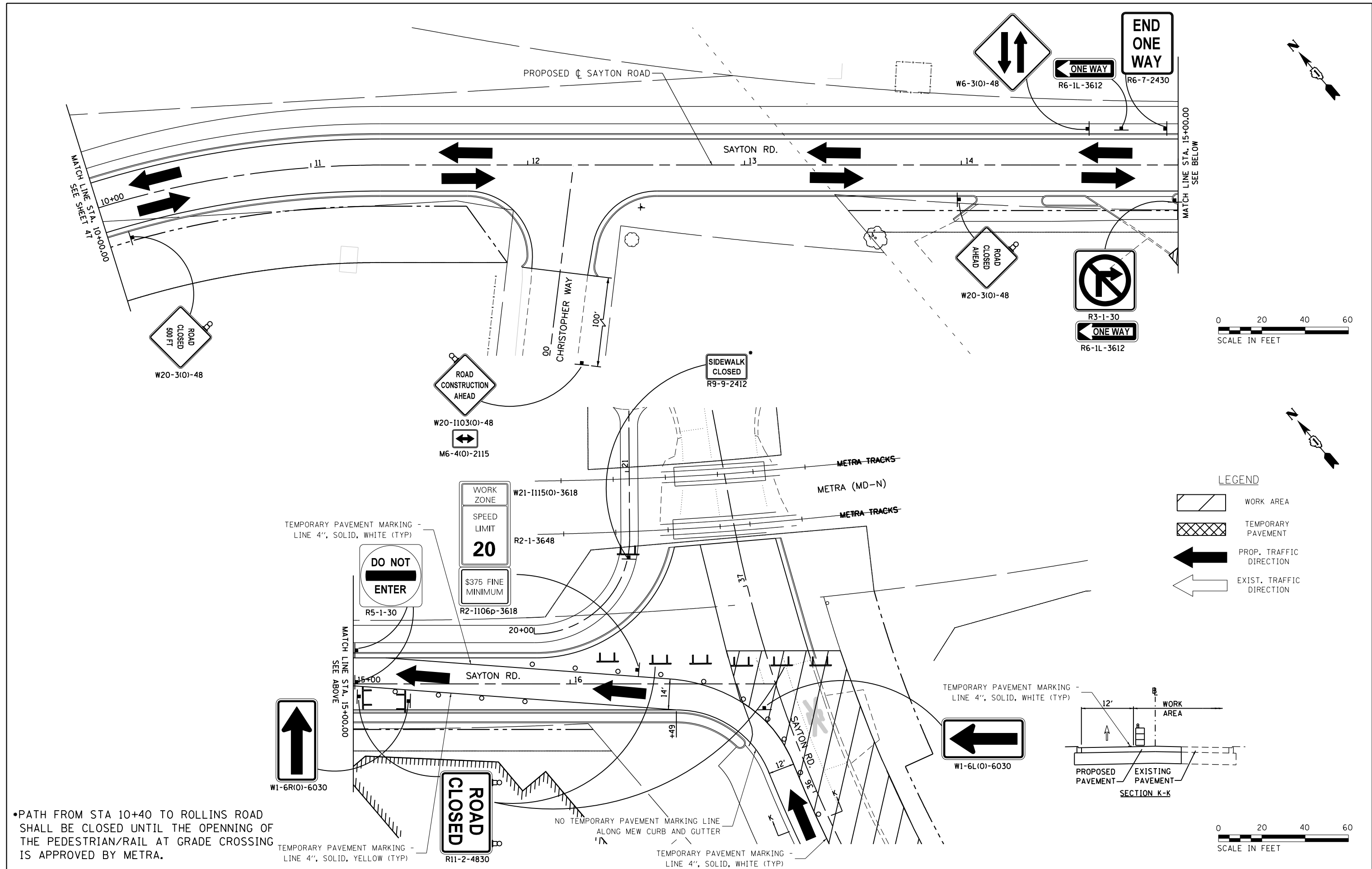
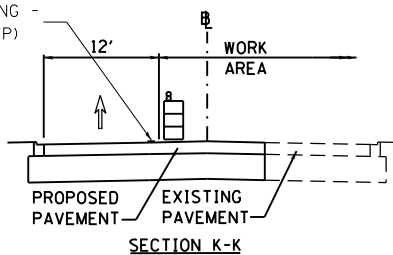
SCALE: 1"=20' SHEET 15 OF 17 SHEETS STA. 0+00 TO STA. 10+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	47
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



LEGEND

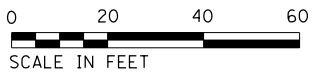
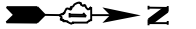
-  WORK AREA
-  TEMPORARY PAVEMENT
-  PROP. TRAFFIC DIRECTION
-  EXIST. TRAFFIC DIRECTION



•PATH FROM STA 10+40 TO ROLLINS ROAD SHALL BE CLOSED UNTIL THE OPENING OF THE PEDESTRIAN/RAIL AT GRADE CROSSING IS APPROVED BY METRA.

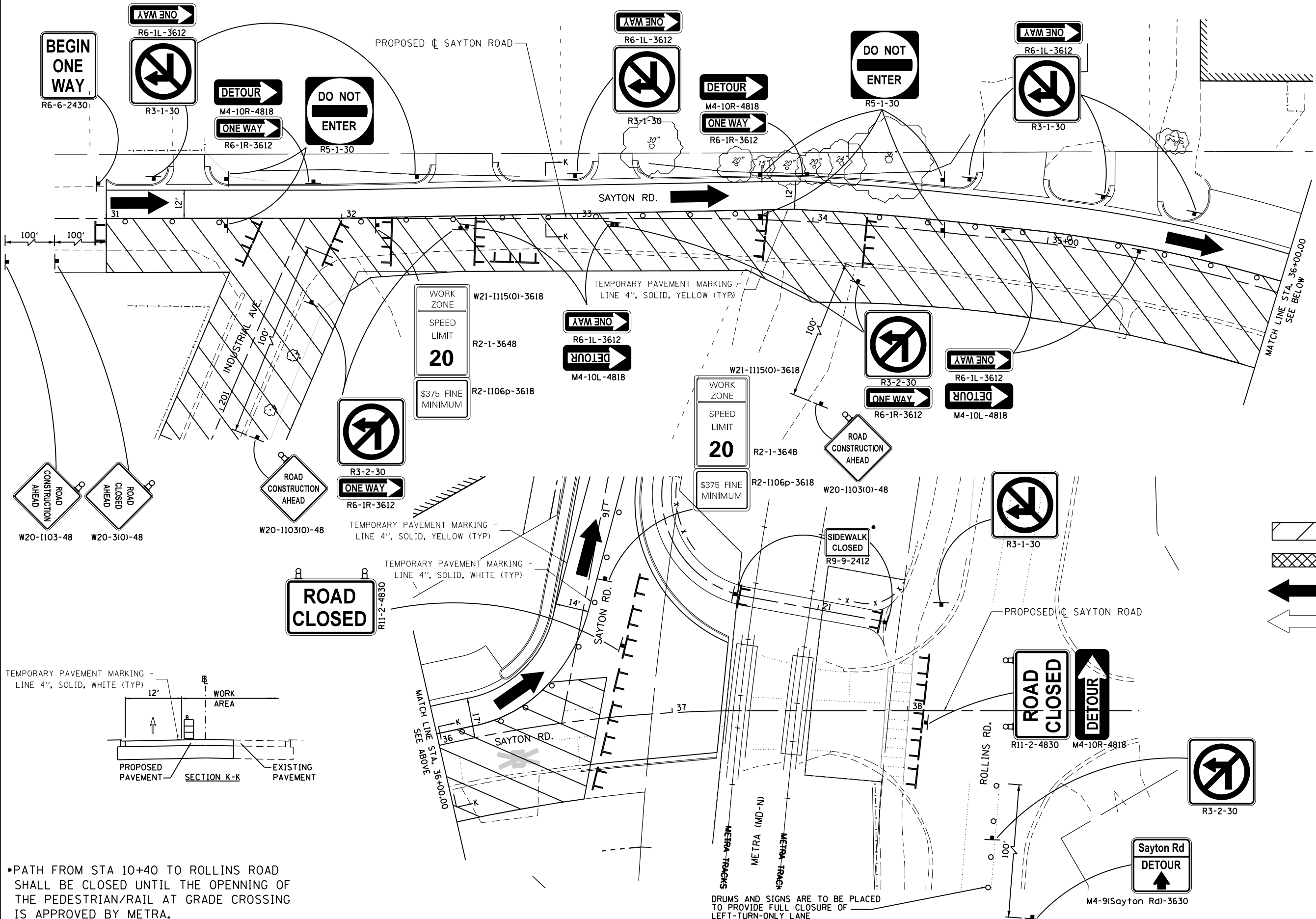
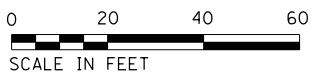
FILE NAME = P:\F0130545_Fox Lake - Sayton Road Phase	USER NAME = AninoFlores	DESIGNED - RON	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 3B</b>	F.A.U. R.T.E. = 151-152	SECTION = 04-00018-00-FP	COUNTY = LAKE	TOTAL SHEETS = 133	SHEET NO. = 48		
Default	I:\Plans\CADD_Sheets\F01300545-sht-mot3b.d	DRAWN - WME	REVISED -			SCALE: 1"=20'	SHEET 16 OF 17 SHEETS	STA. 15+00	TO STA. 17+14.85	CONTRACT NO. 61C48		
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = 2/14/2018	DATE -	REVISED -									





**LEGEND**

- WORK AREA
- TEMPORARY PAVEMENT
- PROP. TRAFFIC DIRECTION
- EXIST. TRAFFIC DIRECTION



\*PATH FROM STA 10+40 TO ROLLINS ROAD SHALL BE CLOSED UNTIL THE OPENNING OF THE PEDESTRIAN/RAIL AT GRADE CROSSING IS APPROVED BY METRA.

DRUMS AND SIGNS ARE TO BE PLACED TO PROVIDE FULL CLOSURE OF LEFT-TURN-ONLY LANE PER STD. 701701 \*

FILE NAME =	USER NAME = ANinoFlores	DESIGNED - RON	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
STAGE 3B**

SCALE: 1"=20'      SHEET 17 OF 17 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	49
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

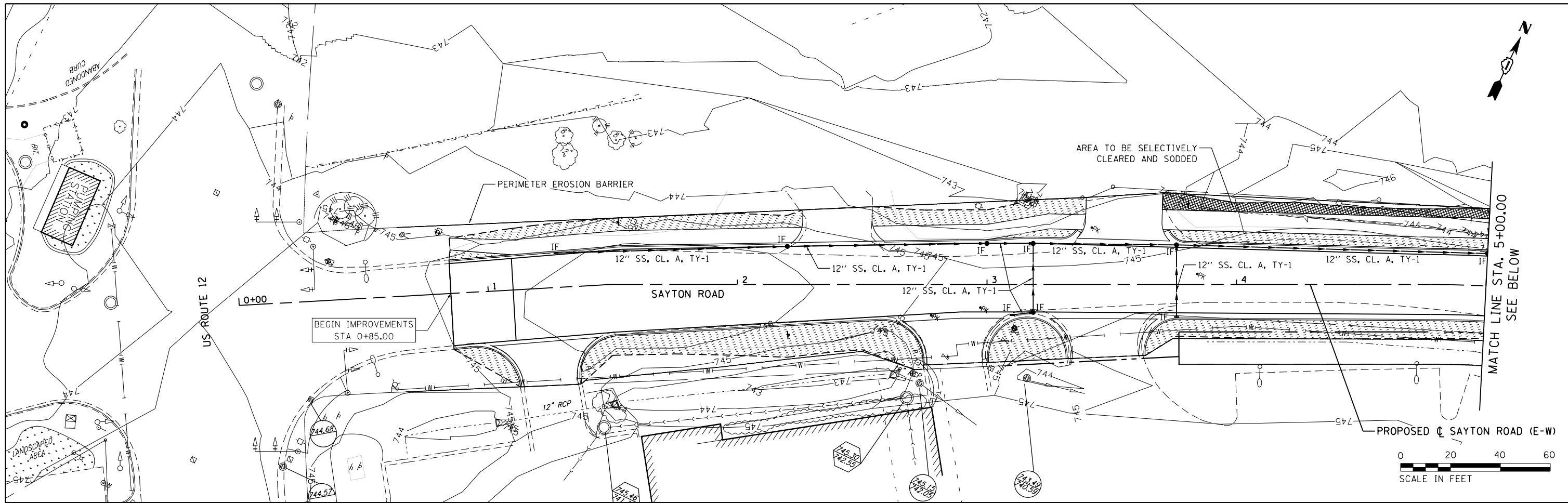
**EROSION AND SEDIMENT CONTROL GENERAL NOTES**

1. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER. THE PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS IS NECESSARY TO SATISFY THE REQUIREMENTS STANDARD 280001 AND SECTION 280 OF THE STANDARD SPECIFICATIONS.
2. ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS MAY BE REQUIRED DURING CONSTRUCTION. THE SYSTEMS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
3. TEMPORARY SEEDING SHALL BE DONE AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. A TOKEN QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING HAS BEEN ALLOWED FOR THIS PROJECT AND SHALL BE USED AS DIRECTED BY THE ENGINEER.
4. ALL DISTURBED EARTH AREAS SHALL BE SODDED AND FERTILIZED IN THE LOCATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS.
5. THE USE OF ALL PERMANENT AND TEMPORARY TOPSOIL STORAGE AREAS MUST BE APPROVED BY THE ENGINEER PRIOR TO USING THE AREAS.
6. FOR RIM AND INVERT ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES SEE THE DRAINAGE AND UTILITIES PLANS.

**EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCING**

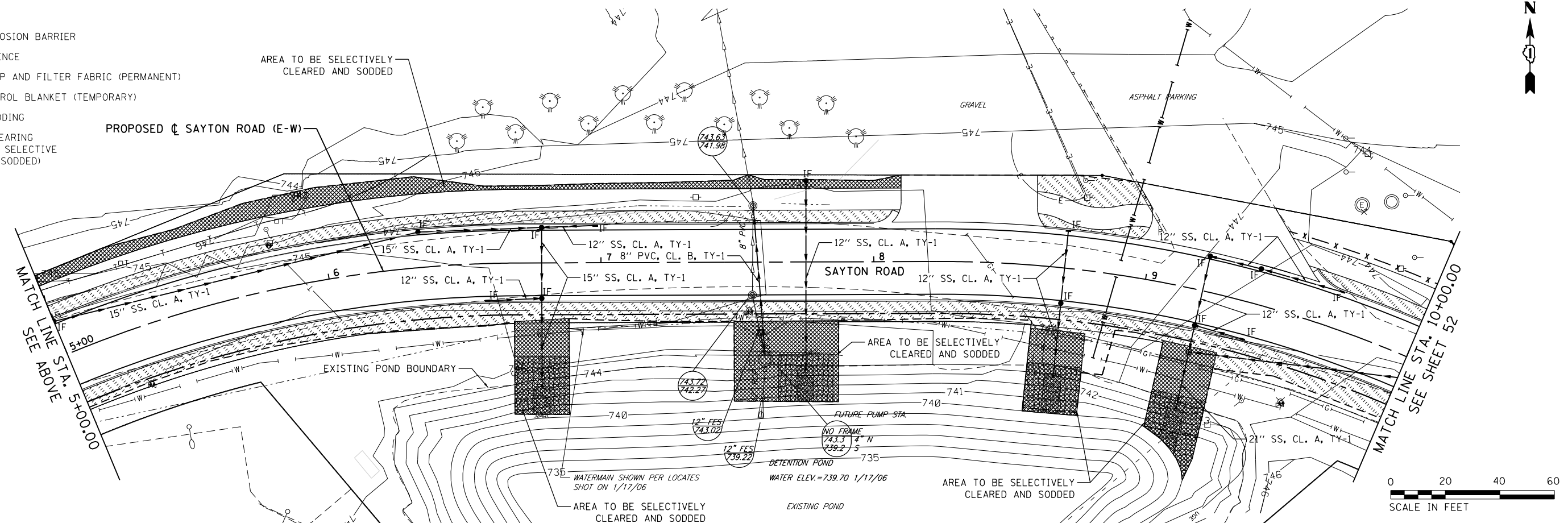
1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES.
  - A) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
  - B) SILT FENCE INSTALLATION
  - C) CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
  - D) STABILIZED CONSTRUCTION ENTRANCE
2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB).
3. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE.
4. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE).
5. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION.
6. TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE.
7. INSTALL ROADWAYS.
8. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION.
  - SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT.

FILE NAME = F0130545-sh.erosl.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL GENERAL NOTES AND CONSTRUCTION SEQUENCING</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 40.0000' / in.	DRAWN - LMC	REVISED -			151-152	04-00018-00-FP	LAKE	133	50	
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61C48</b>					
		DATE -	REVISED -			SCALE: NONE	SHEET 1	OF 6	SHEETS	STA.	TO STA.



**LEGEND**

- IF INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- STONE RIP RAP AND FILTER FABRIC (PERMANENT)
- EROSION CONTROL BLANKET (TEMPORARY)
- PROPOSED SODDING
- SELECTIVE CLEARING (AREAS TO BE SELECTIVE CLEARED AND SODDED)



FILE NAME = F0130545-sh.eros2.dgn  
 USER NAME = AninoFlores  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 2/14/2018

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

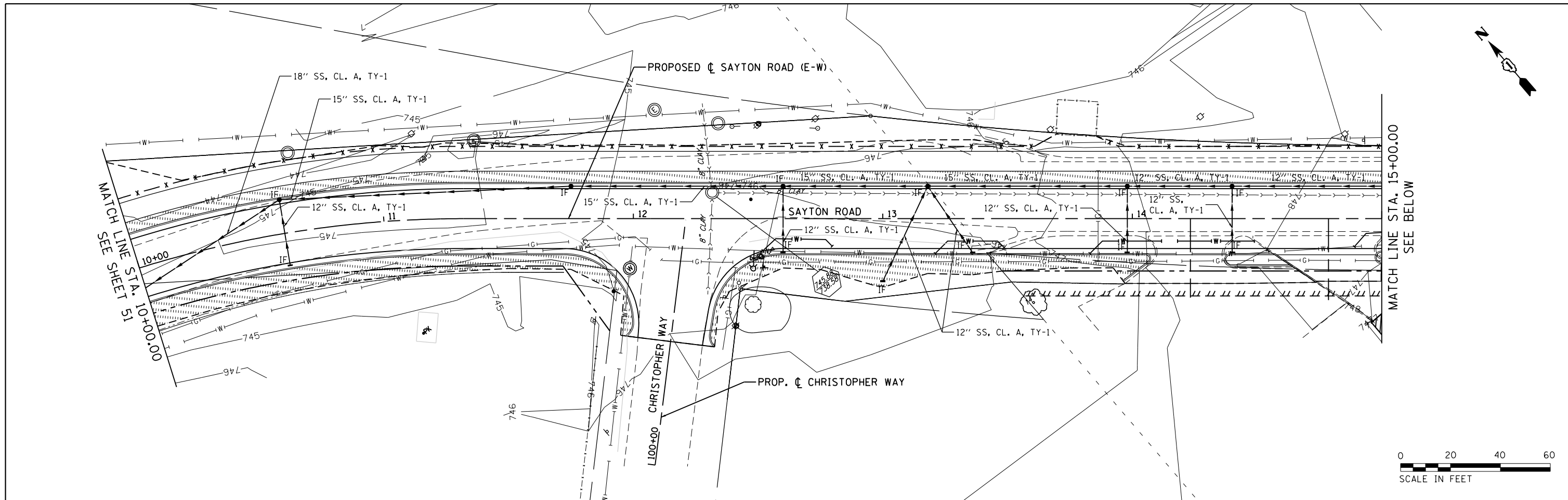
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS  
 SAYTON ROAD**

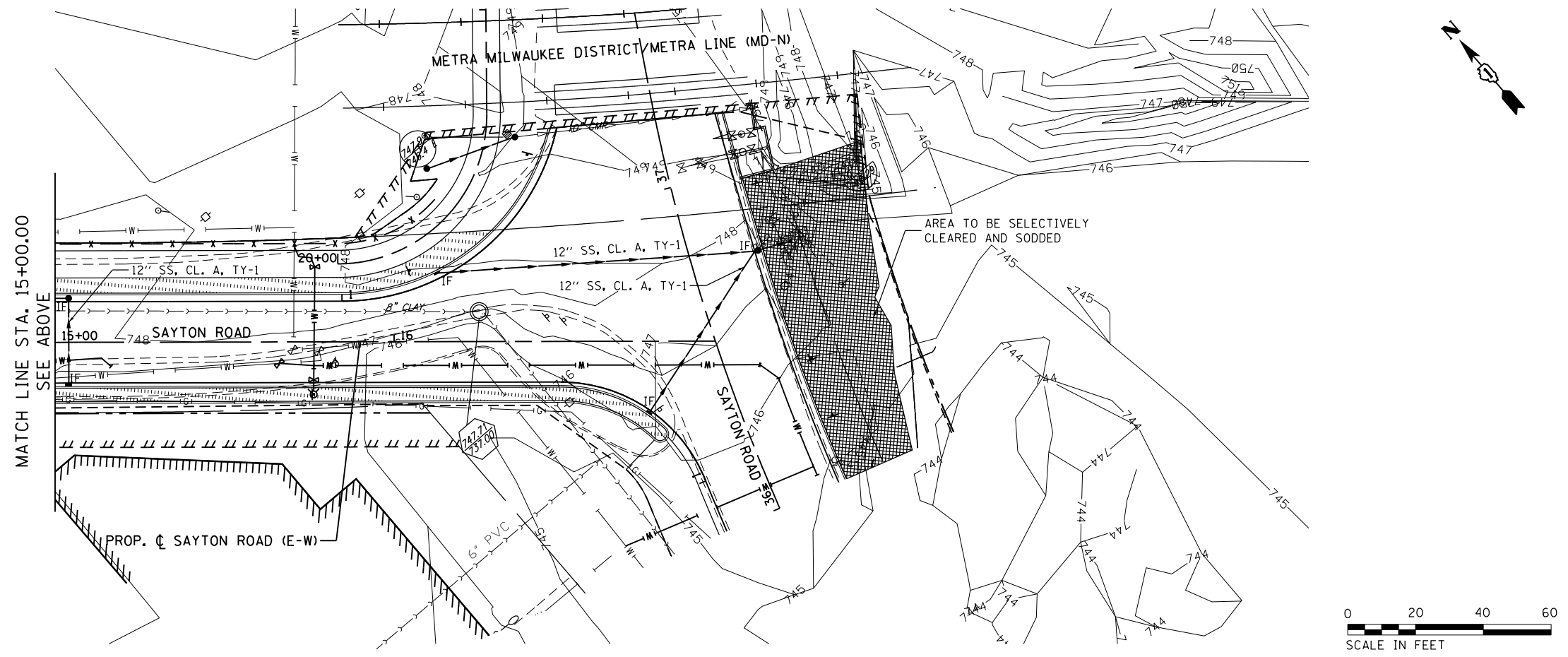
SCALE: 1" = 20' SHEET 2 OF 6 SHEETS STA. 0+00 TO STA. 10+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	51
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- IF INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- STONE RIP RAP AND FILTER FABRIC (PERMANENT)
- EROSION CONTROL BLANKET (TEMPORARY)
- PROPOSED SODDING
- SELECTIVE CLEARING (AREAS TO BE SELECTIVE CLEARED AND SODDED)



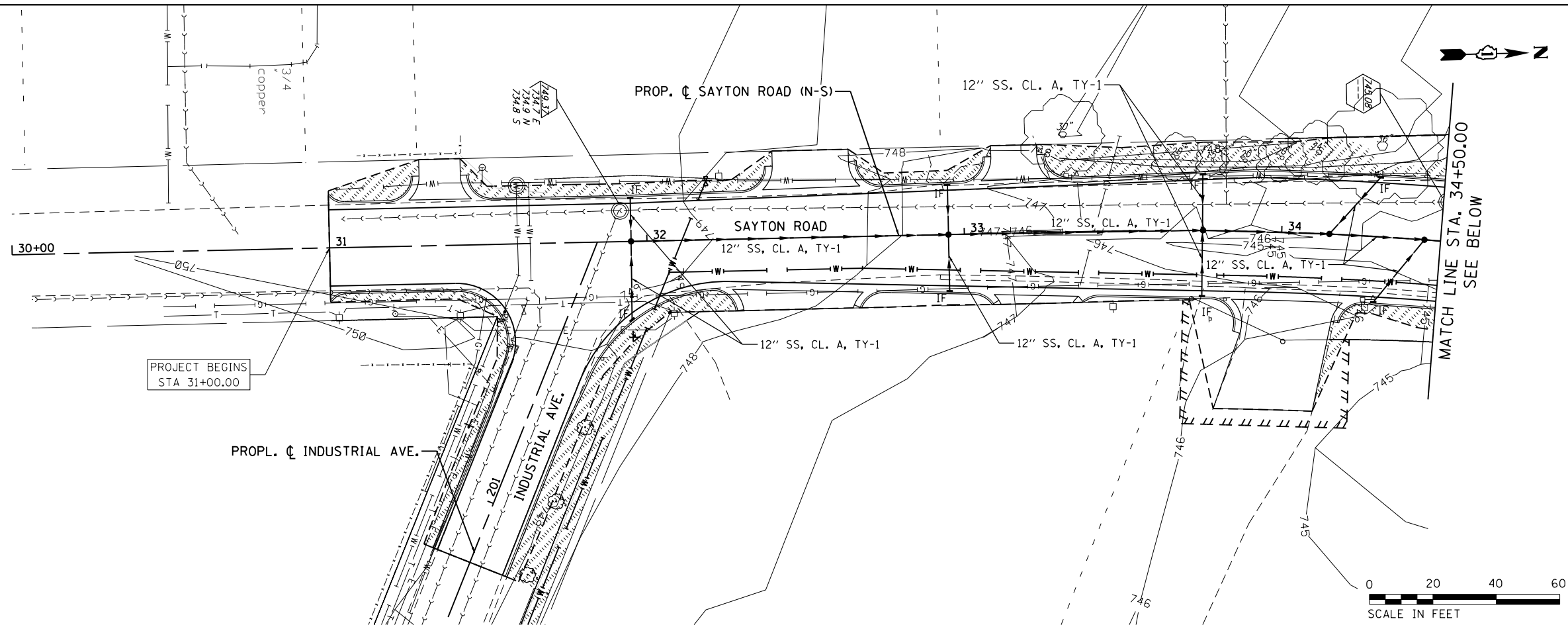
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		DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS  
SAYTON ROAD**

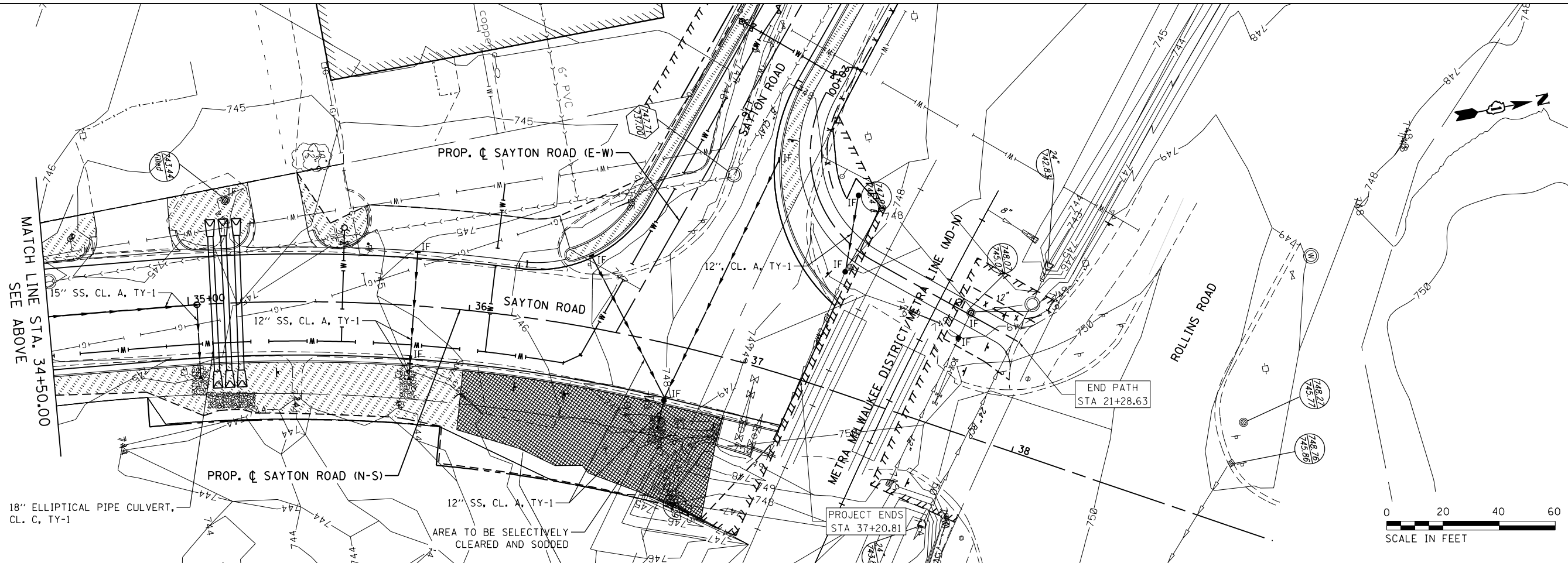
SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. 10+00 TO STA. 16+95

F.A.U. RE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 52
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- IF INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- STONE RIP RAP AND FILTER FABRIC (PERMANENT)
- EROSION CONTROL BLANKET (TEMPORARY)
- PROPOSED SODDING
- SELECTIVE CLEARING (AREAS TO BE SELECTIVE CLEARED AND SODDED)



FILE NAME = F0130545-sh.eros4.dgn  
 Default

USER NAME = ANinoFlores  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 2/14/2018

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

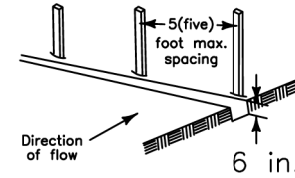
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS  
 SAYTON ROAD**

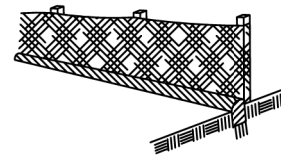
SCALE: 1" = 20' SHEET 4 OF 6 SHEETS STA. 31+00 TO STA. 37+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	53
				CONTRACT NO. 61C48
ILLINOIS FED. AID PROJECT				

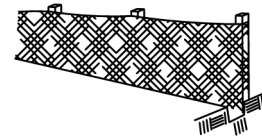
1. Set posts and excavate or slit-trench a 6-inch deep trench upslope along the line of the post



3. Backfill and compact the excavated spoil materials

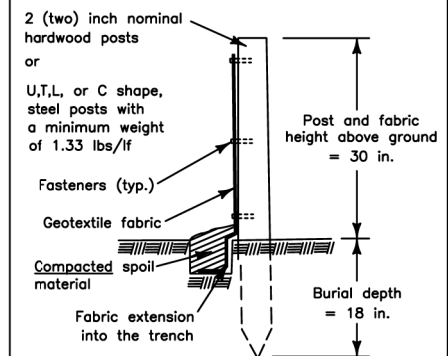


2. Attach the geotextile filter fabric to each post with a minimum of 3 (three) fasteners per post and extend to the bottom of the trench. Acceptable fasteners include staples, zip ties, or wire ties



Geotextile Requirement	Test Method	MARY
Grab strength	ASTM D 4632	
- Machine direction		550 N
- X-machine direction		450 N
Permittivity	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.60 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

*Note:*  
Value for apparent opening size represents maximum average roll value.



LAKE COUNTY  
STORMWATER MANAGEMENT COMMISSION

# SILT FENCE DETAIL

DATE: 4/21/08 BY: KAW  
REVISED: BY:

FILE NAME = F0130545-sh.eros5.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - LMC	REVISED -
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -
		DATE -	REVISED -

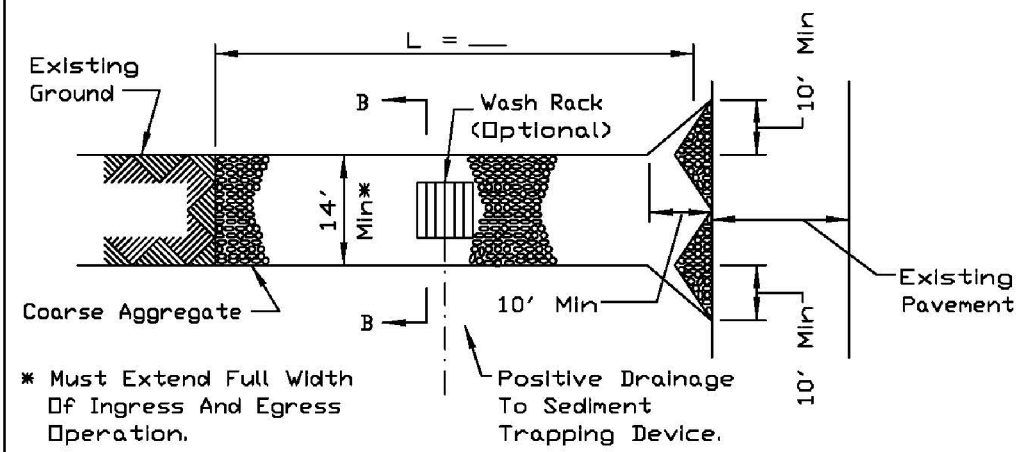
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## EROSION AND SEDIMENT CONTROL DETAILS

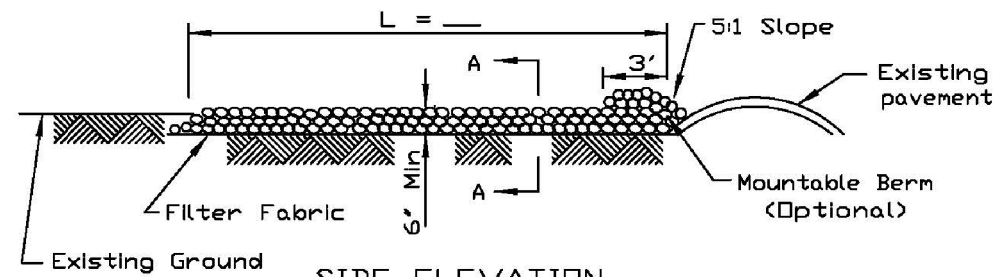
SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	54
CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	

### STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

**NOTES:**

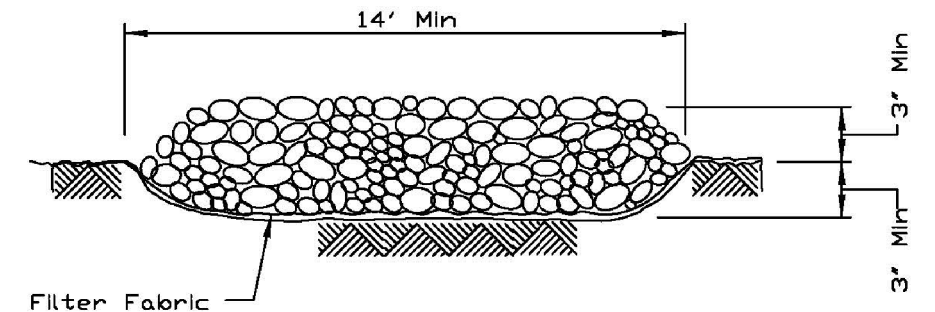
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	
Project	_____ Date _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

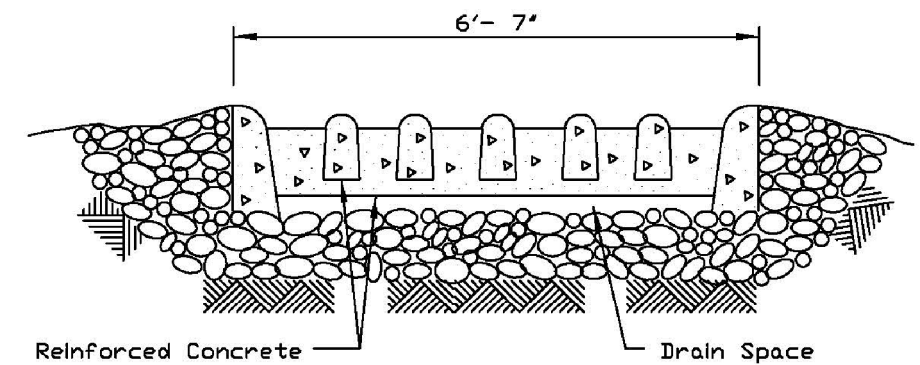


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

### STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE	
Project	_____ Date _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94

FILE NAME = F0130545-sh.eros6.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -
		DRAWN - LMC	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/14/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS

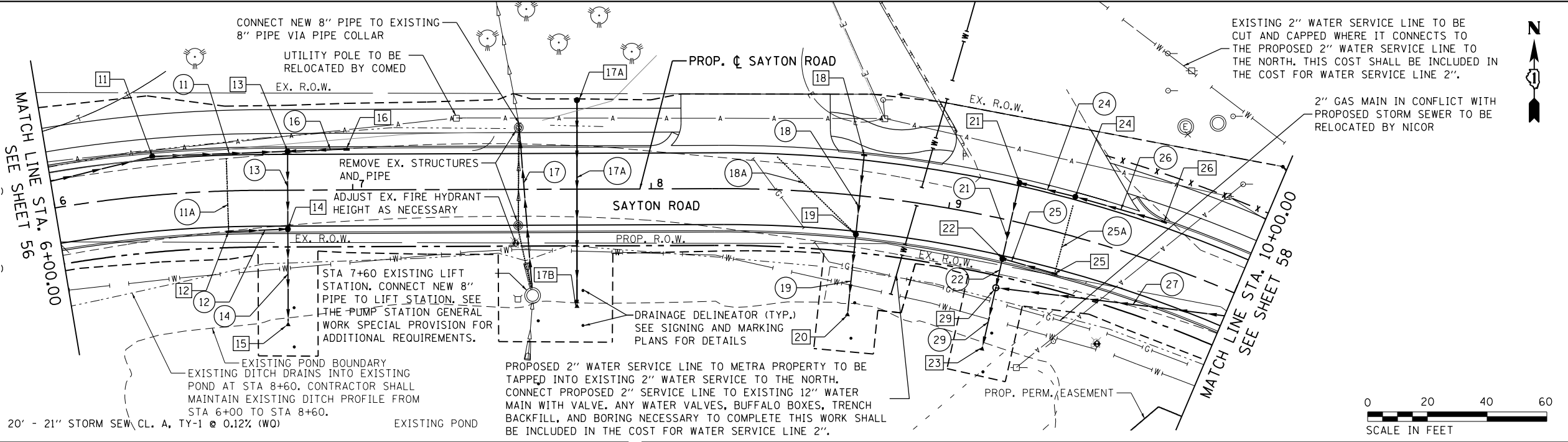
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	55
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



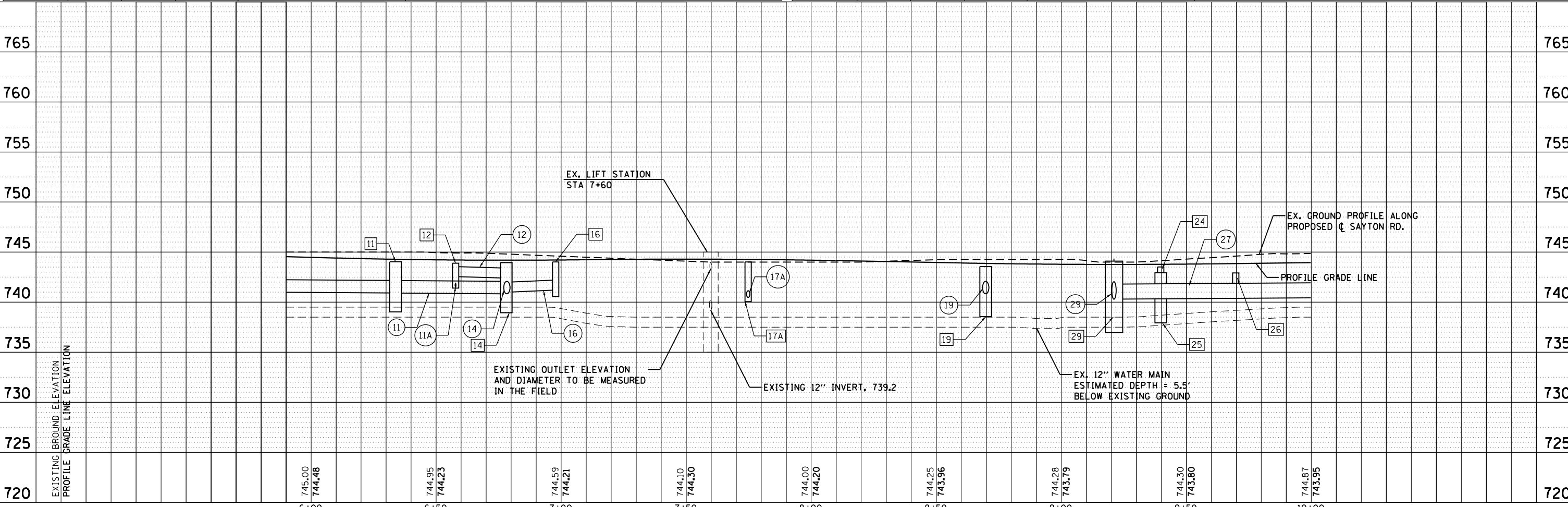


- 11 45' - 15" STORM SEW CL. A, TY-1 @ 0.18% T.B.F = 3.4 CU. YD.
- 11A 25' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00% BACKFILL = 3.6 CU. YD.
- 12 20' - 12" STORM SEW CL. A, TY-1 @ 1.00% T.B.F = 1.2 CU. YD.
- 13 26' - 15" STORM SEW CL. A, TY-1 @ 0.18% T.B.F = 6.3 CU. YD.
- 14 31' - 15" STORM SEW CL. A, TY-1 @ 0.19% (WO)
- 16 20' - 12" STORM SEW CL. A, TY-1 @ 1.00% T.B.F = 1.2 CU. YD.
- 17 56' - 8" STORM SEW CL. B, TY-1 (WO) T.B.F = 12.2 CU. YD.
- 17A 68' - 12" STORM SEW CL. A, TY-1 @ 0.20% (WO) T.B.F = 12.2 CU. YD.
- 18 27' - 12" STORM SEW CL. A, TY-1 @ 0.20% T.B.F = 5.7 CU. YD.
- 18A 37' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00% BACKFILL = 5.7 CU. YD.
- 19 26' - 12" STORM SEW CL. A, TY-1 @ 0.20% T.B.F = 5.7 CU. YD.
- 21 10' - 12" STORM SEW CL. A, TY-1 @ 0.20%
- 24 19' - 12" STORM SEW CL. A, TY-1 @ 0.20% T.B.F = 1.2 CU. YD.
- 25 18' - 12" STORM SEW CL. A, TY-1 @ 1.00% T.B.F = 1.1 CU. YD.
- 25A 24' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00% BACKFILL = 3.5 CU. YD.
- 26 31' - 12" STORM SEW CL. A, TY-1 @ 0.20% T.B.F = 1.9 CU. YD.
- 29 20' - 21" STORM SEW CL. A, TY-1 @ 0.12% (WO)



"STRUCTURE NUMBER"	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
11	6+34	12.0' LT.	744.04	740.91 E, 740.91 SW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
12	6+58	12.0' RT.	743.97	741.22 E, 741.53 N	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
13	6+78.27	12.0' LT.	743.95	740.83 S, 740.83 W, 741.02 E	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
14	6+78.27	12.0' RT.	743.95	740.78 S, 740.78 N, 741.02W	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
15	6+78.27	45.0' RT.	-	740.72	15" PRECAST REINFORCED CONCRETE FLARED END SECTION
16	6+98	12.0' LT.	743.97	741.22 W	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
17 A	7+75	30.0' LT.	744.05	741.45 S	INLET TYPE A W/ TYPE 8 FRAME AND GRATE
17 B	7+75	39.24' RT.	-	741.55	12" PRECAST REINFORCED CONCRETE FLARED END SECTION
18	8+70	12.0' LT.	743.63	740.83 S	INLET TYPE A W/ TYPE 24 FRAME AND GRATE

STRUCTURE NUMBER	STATION	OFFSET	RIM. ELEV.	INVERT ELEV.	STRUCTURE TYPE
19	8+70	12.0' RT.	743.63	740.78 S, 740.78 N, 741.00 NW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
20	8+70	40.0' RT.	-	740.73	12" PRECAST REINFORCED CONCRETE FLARED END SECTION
21	9+21.30	12.0' LT.	743.53	740.65 SW, 740.65 SE	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
22	9+21.30	12.0' RT.	743.53	740.60 SW, 740.60 NE, 740.61 SE	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
23	9+21.30	44.0' RT.	-	740.28 NE	21" PRECAST REINFORCED CONCRETE FLARED END SECTION
24	9+40	12.0' LT.	743.54	740.69 NW, 740.69 SE	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
25	9+40	12.0' RT.	743.54	740.79 NW, 741.14 N	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
26	9+70	12.0' LT.	743.62	740.75 NW	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
29	9+21.30	23.0' RT.	744.1	740.30 SW, 740.30 SE, 740.58 NE	4' MANHOLE TYPE A W/ FLAT SLAB TOP AND TYPE I FRAME, CLOSED LID

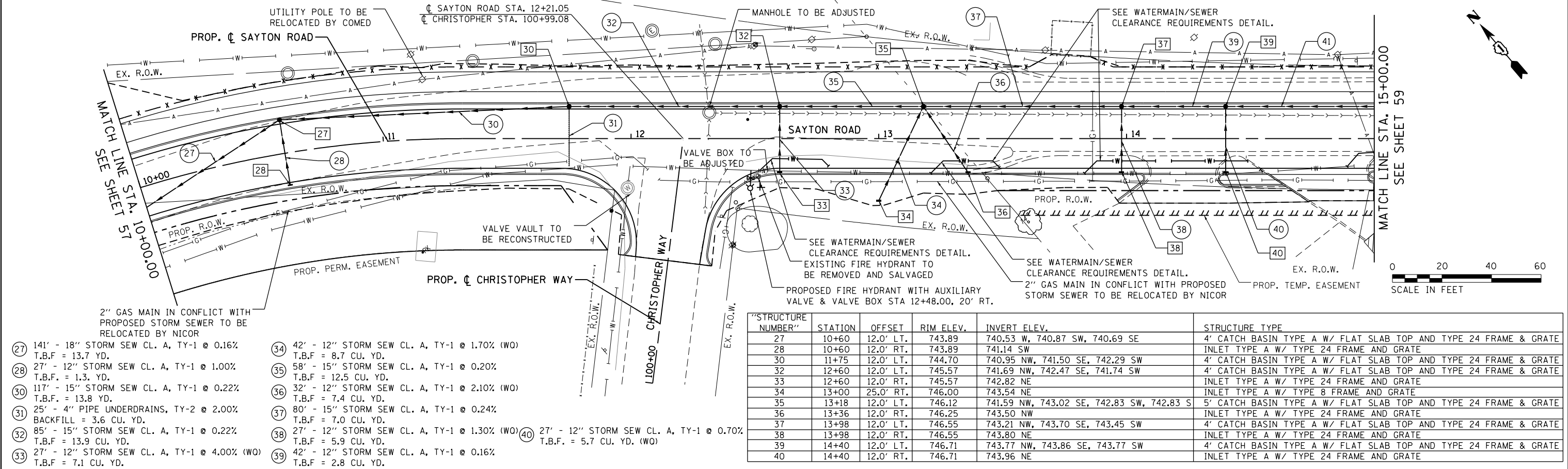


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NOTE BOOK	PLOTTED	
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
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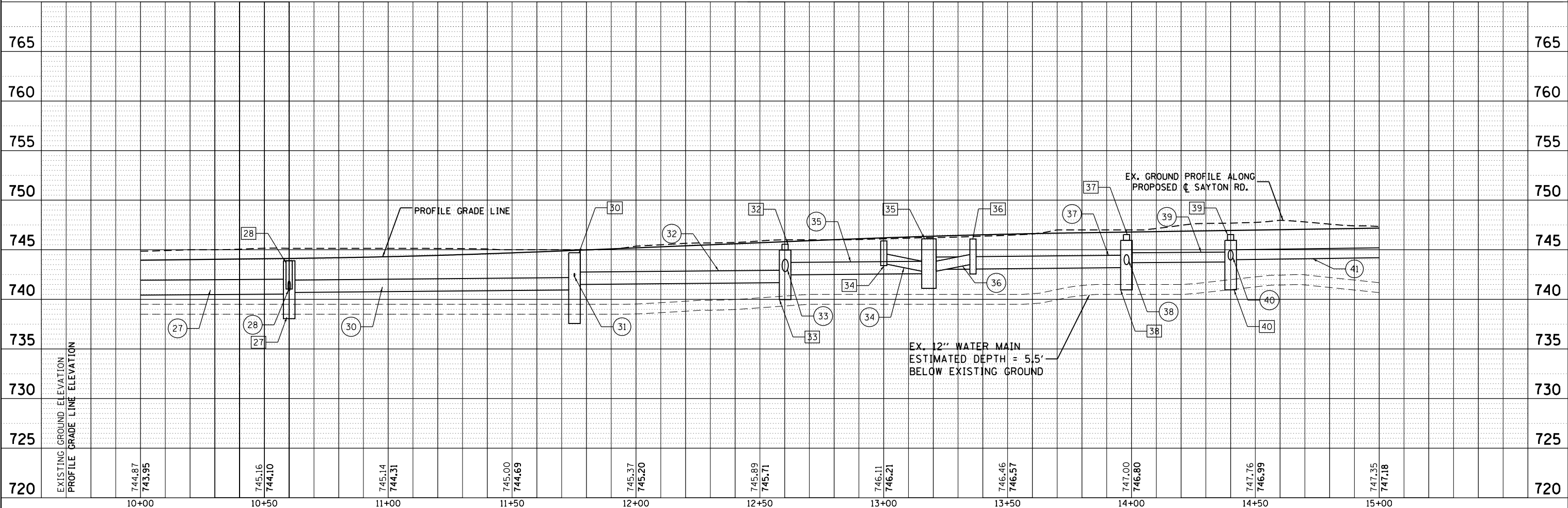
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	PLOTTED	
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	CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	



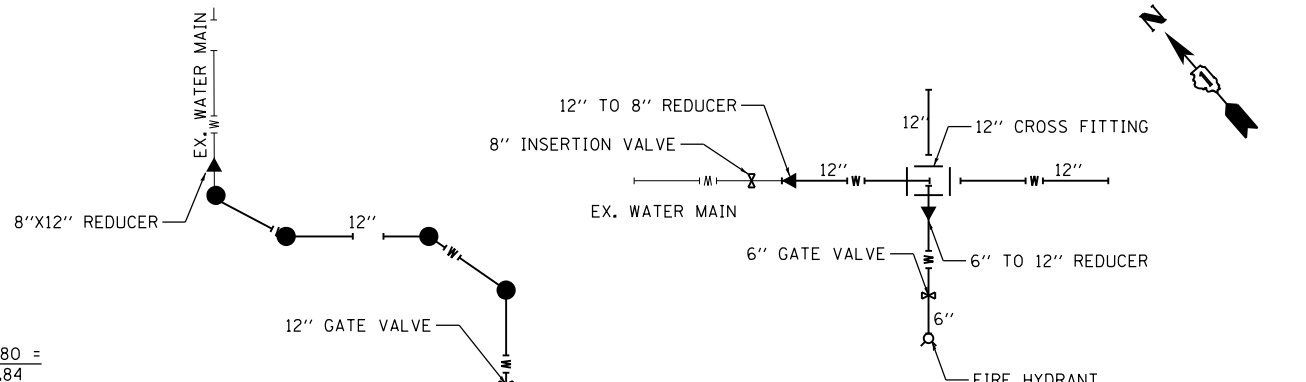
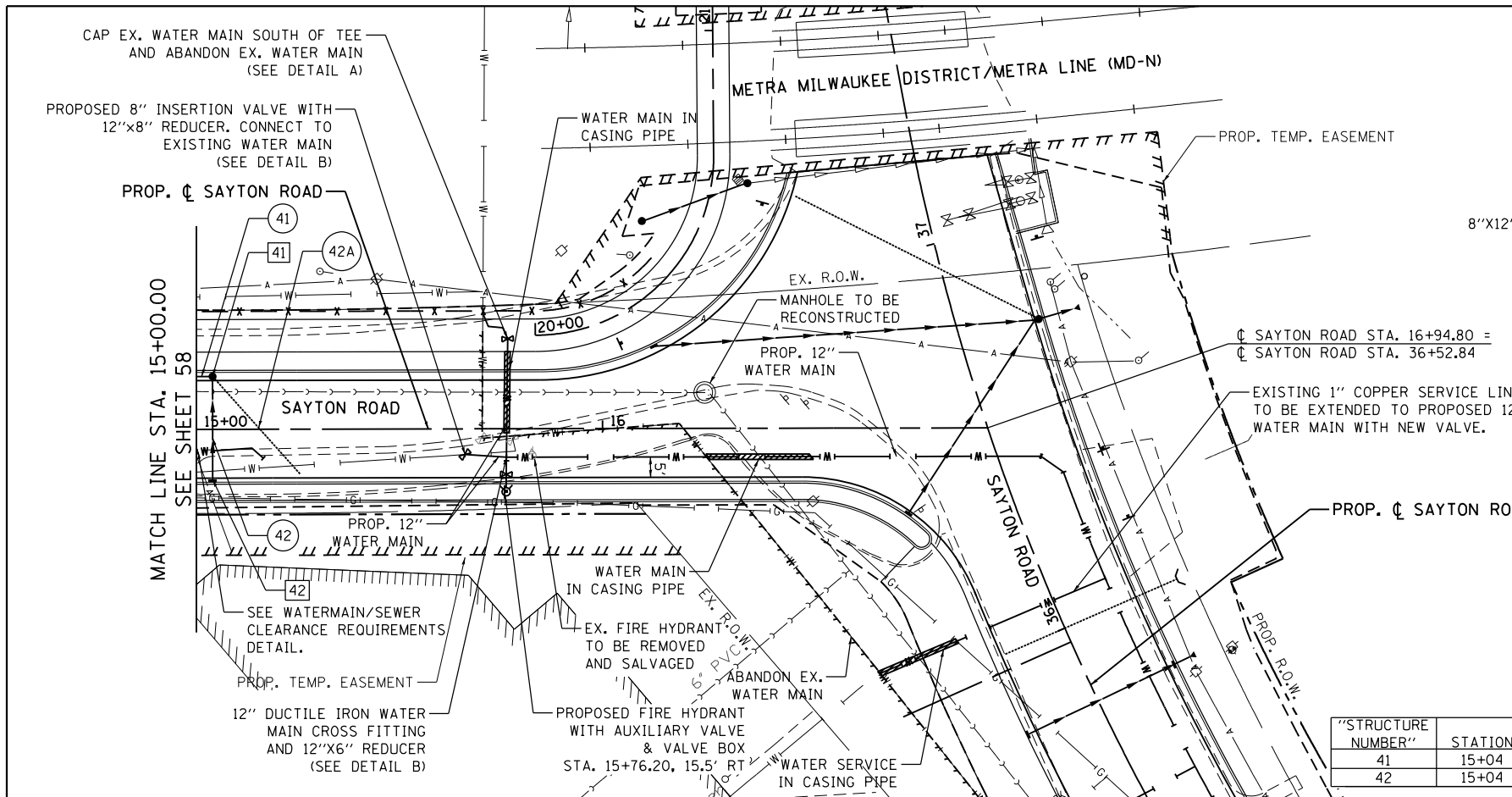
- 27 14' - 18" STORM SEW CL. A, TY-1 @ 0.16% T.B.F. = 13.7 YD.
- 28 27' - 12" STORM SEW CL. A, TY-1 @ 1.00% T.B.F. = 1.3. YD.
- 30 117' - 15" STORM SEW CL. A, TY-1 @ 0.22% T.B.F. = 13.8 YD.
- 31 25' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00% BACKFILL = 3.6 CU. YD.
- 32 85' - 15" STORM SEW CL. A, TY-1 @ 0.22% T.B.F. = 13.9 CU. YD.
- 33 27' - 12" STORM SEW CL. A, TY-1 @ 4.00% (WO) T.B.F. = 7.1 CU. YD.
- 34 42' - 12" STORM SEW CL. A, TY-1 @ 1.70% (WO) T.B.F. = 8.7 CU. YD.
- 35 58' - 15" STORM SEW CL. A, TY-1 @ 0.20% T.B.F. = 12.5 CU. YD.
- 36 32' - 12" STORM SEW CL. A, TY-1 @ 2.10% (WO) T.B.F. = 7.4 CU. YD.
- 37 80' - 15" STORM SEW CL. A, TY-1 @ 0.24% T.B.F. = 7.0 CU. YD.
- 38 27' - 12" STORM SEW CL. A, TY-1 @ 1.30% (WO) T.B.F. = 5.9 CU. YD.
- 39 42' - 12" STORM SEW CL. A, TY-1 @ 0.16% T.B.F. = 2.8 CU. YD.
- 40 27' - 12" STORM SEW CL. A, TY-1 @ 0.70% T.B.F. = 5.7 CU. YD. (WO)

"STRUCTURE NUMBER"	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
27	10+60	12.0' LT.	743.89	740.53 W, 740.87 SW, 740.69 SE	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
28	10+60	12.0' RT.	743.89	741.14 SW	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
30	11+75	12.0' LT.	744.70	740.95 NW, 741.50 SE, 742.29 SW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
32	12+60	12.0' LT.	745.57	741.69 NW, 742.47 SE, 741.74 SW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
33	12+60	12.0' RT.	745.57	742.82 NE	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
34	13+00	25.0' RT.	746.00	743.54 NE	INLET TYPE A W/ TYPE 8 FRAME AND GRATE
35	13+18	12.0' LT.	746.12	741.59 NW, 743.02 SE, 742.83 SW, 742.83 S	5' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
36	13+36	12.0' RT.	746.25	743.50 NW	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
37	13+98	12.0' LT.	746.55	743.21 NW, 743.70 SE, 743.45 SW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
38	13+98	12.0' RT.	746.55	743.80 NE	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
39	14+40	12.0' LT.	746.71	743.77 NW, 743.86 SE, 743.77 SW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
40	14+40	12.0' RT.	746.71	743.96 NE	INLET TYPE A W/ TYPE 24 FRAME AND GRATE



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	CHECKED	
	FILED	
	NO.	

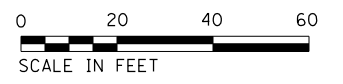
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	PLOTTED	BY
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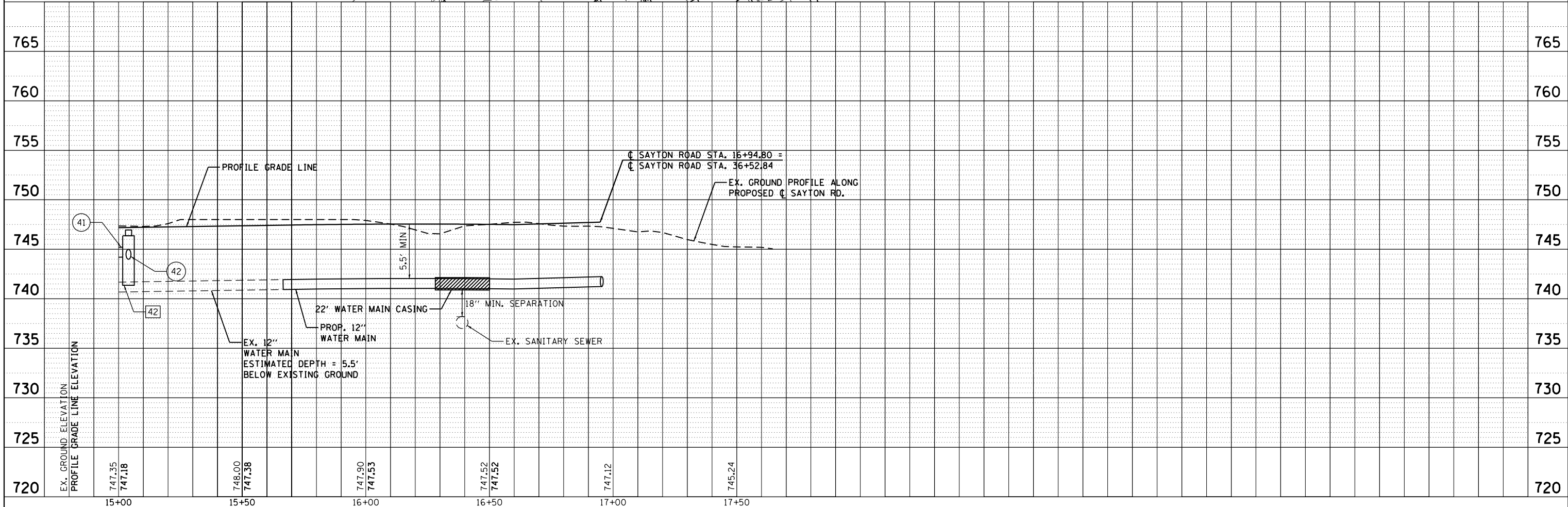
**LEGEND**

- ◻ GATE VALVE
- 45° FITTING
- ▼ REDUCER

- ④1 64' - 12" STORM SEW CL. A, TY-1 @ 0.20%  
T.B.F. = 4.4 CU. YD.
- ④2 26' - 12" STORM SEW CL. A, TY-1 @ 0.80%  
T.B.F. = 1.6 CU. YD.
- ④2A 33' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00%  
BACKFILL = 5.1 CU. YD.



"STRUCTURE NUMBER"	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
41	15+04	12.0' LT.	746.96	743.99 NW, 744.00 SW, 744.35 S	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
42	15+04	12.0' RT.	746.96	744.21 NE	INLET TYPE A W/ TYPE 11V FRAME AND GRATE



FILE NAME = F01300545-sht-drain4.dgn  
Default

USER NAME = AninoFlores	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/14/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

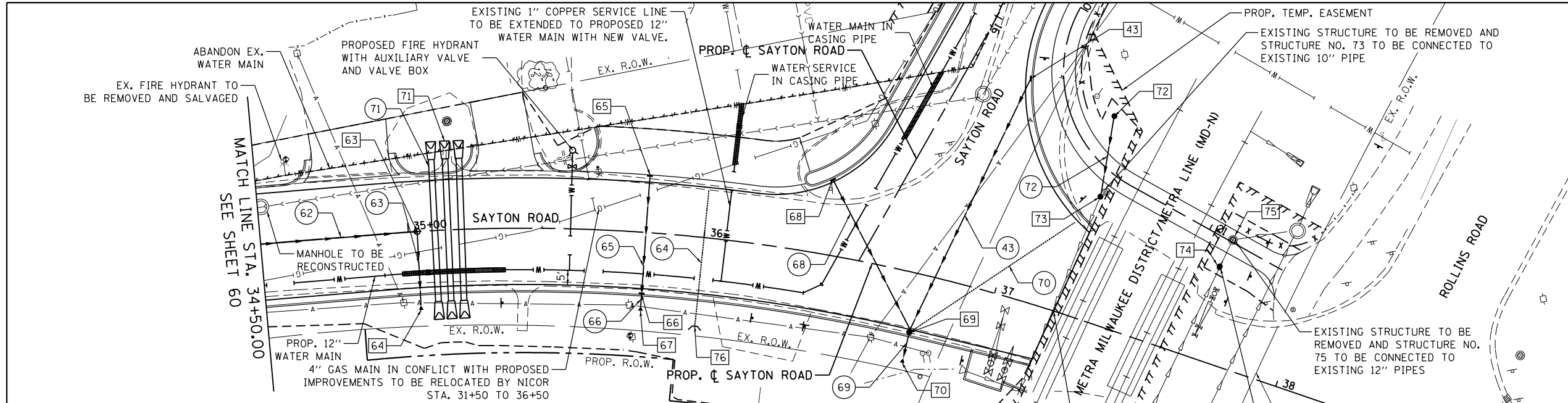
**DRAINAGE AND UTILITIES  
SAYTON ROAD**  
SCALE: 1"=20' SHEET 4 OF 13 SHEETS STA. 15+00.00 TO STA. 16+95.00

F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 59
CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
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	CHKD	
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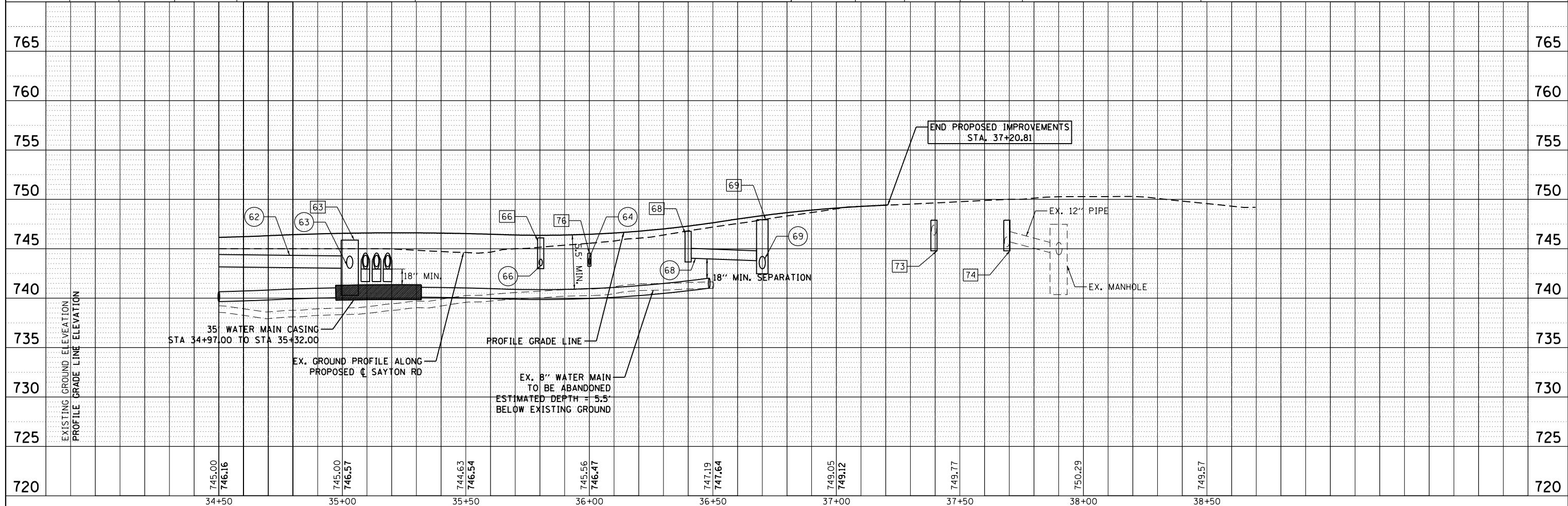


- ④3 94' - 12" STORM SEW CL. A, TY-1 @ 1.00% T.B.F = 11.1 CU. YD.
- ④2 58' - 15" STORM SEW CL. A, TY-1 @ 0.30% T.B.F = 5.2 CU. YD.
- ④3 25' - 15" STORM SEW CL. A, TY-1 @ 0.36% T.B.F = 0.5 CU. YD. (WO)
- ④4 37' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00% BACKFILL = 4.9 CU. YD. AND 10' - 4" PIPE UNDERDRAINS (SPECIAL) @ 2.00% T.B.F. = 1.4 CU. YD.
- ④5 39' - 12" STORM SEW CL. A, TY-1 @ 0.20% T.B.F = 2.1 CU. YD. (WO)
- ④6 5' - 12" STORM SEW CL. A, TY-1 @ 0.20%
- ④8 57' - 12" STORM SEW CL. A, TY-1 @ 0.46% T.B.F = 15.4 CU. YD. (WO)
- ④9 10' - 12" STORM SEW CL. A, TY-1 @ 0.44%
- ④0 67' - 4" PIPE UNDERDRAINS, TY-2 @ 2.00% BACKFILL = 14.8 CU. YD.
- ④1 3x48' - EQUIVALENT ROUND-SIZE 18", CL. D, TY-1 @ 0.50% T.B.F. = 5.3 CU.YD.
- ④2 27' - 12" STORM SEW CL. A, TY-1 @ 0.74% T.B.F. = 0.24 CU. YD.



STRUCTURE NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
43	16+13.41	18.5' LT.	747.16	744.73 SE	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
63	35+03	0.00	746.58	743.02 E, 743.02 S	4' MANHOLE TYPE A W/ FLAT SLAB TOP AND TYPE 1 FRAME, CLOSED LID
64	35+03	26.0' RT.	-	742.93 W	15" PRECAST REINFORCED CONCRETE FLARED END SECTION
65	35+80.32	17.0' LT.	746.03	743.28 SE	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
66	35+80.32	19.0' RT.	745.99	742.95 SE, 743.20 NW	INLET TYPE A W/ TYPE 24 FRAME AND GRATE
67	35+80.32	26.0' RT.	-	742.94 NW	12" PRECAST REINFORCED CONCRETE FLARED END SECTION
68	36+40	24.8' LT.	746.80	744.05 NE	INLET TYPE A W/ TYPE 11V FRAME AND GRATE
69	36+75	19.0' RT.	748.13	742.98 SE, 743.79 NW, 743.79 SW	4' CATCH BASIN TYPE A W/ FLAT SLAB TOP AND TYPE 24 FRAME & GRATE
70	36+75	30.0' RT.	-	742.94 NW	12" PRECAST REINFORCED CONCRETE FLARED END SECTION
71	17+64	24.0' LT.	-	743.18 N	PRECAST REINFORCED CONCRETE FLARED END SECTIONS-ELLIPTICAL, EQUIVALENT ROUND-SIZE 18" (6 EACH)
72	37+20.33	68.94' LT.	747.90	746.60	INLET TYPE A W/ TYPE 8 GRATE

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
73	37+23.83	41.6' LT.	747.90	746.40 W, 746.40 E	INLET TYPE B W/ FLAT SLAB TOP AND TYPE 8 GRATE
74	37+69.04	32.3' LT.	747.90	APPROX. 754.20 - MATCH EXISTING	INLET TYPE B W/ FLAT SLAB TOP AND TYPE 8 GRATE
75	37+70.37	42.1' LT.	749.60	745.07 - MATCH EXISTING	4' MANHOLE TYPE A W/ FLAT SLAB TOP AND TYPE 1 FRAME, CLOSED LID
76	36+00.00	30.1' RT.	-	743.23 W	CONCRETE HEADWALL FOR PIPE DRAIN



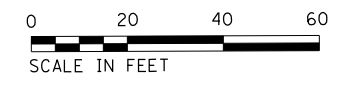
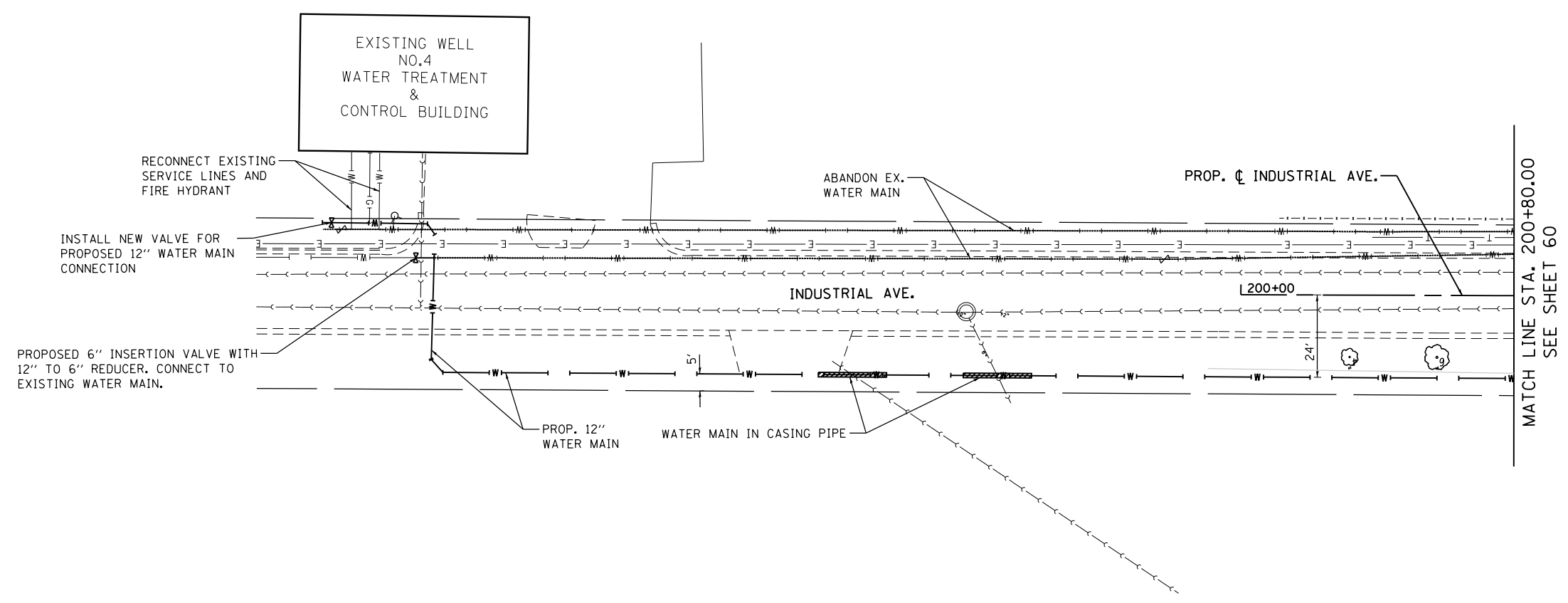
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USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -
	DRAWN - LMC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE AND UTILITIES SAYTON ROAD</b>			
SCALE: 1"=20'	SHEET 6	OF 13 SHEETS	STA. 34+50.00 TO STA. 37+25.00

F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 61
CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	



FILE NAME = F0130545-shd-drain6.dgn	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN - LMC	REVISED -
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

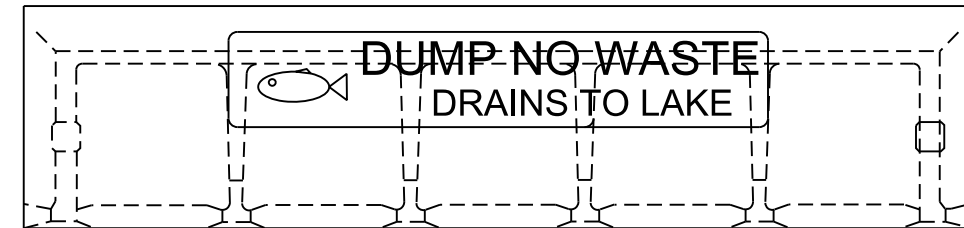
**DRAINAGE AND UTILITIES  
SAYTON ROAD**

SCALE: 1" = 20'    SHEET 7 OF 13 SHEETS    STA. 200+00.00 TO STA. 200+80.00

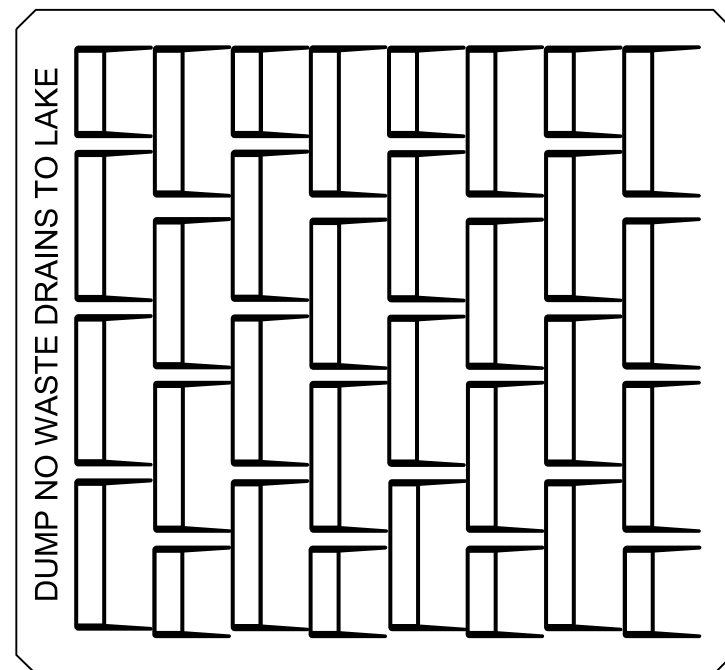
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CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	



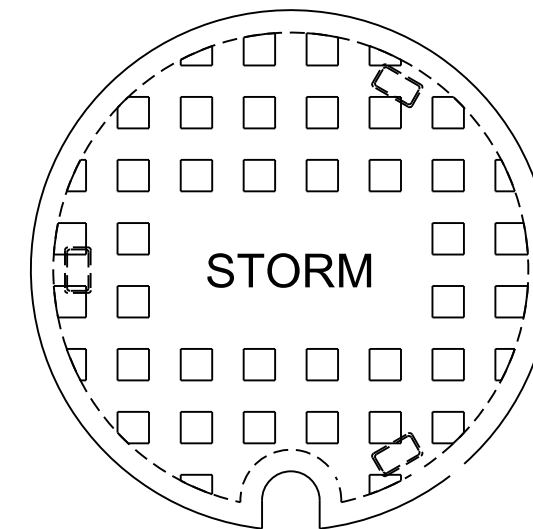
NPDES MESSAGE ON TYPE 8 GRATE



NPDES MESSAGE ON CURB BOX  
TYPE IIV FRAME AND GRATE



NPDES MESSAGE ON GRATE  
TYPE 24 FRAME AND GRATE



MESSAGE FOR STORM SEWER ON  
TYPE 1 CLOSED LIDS

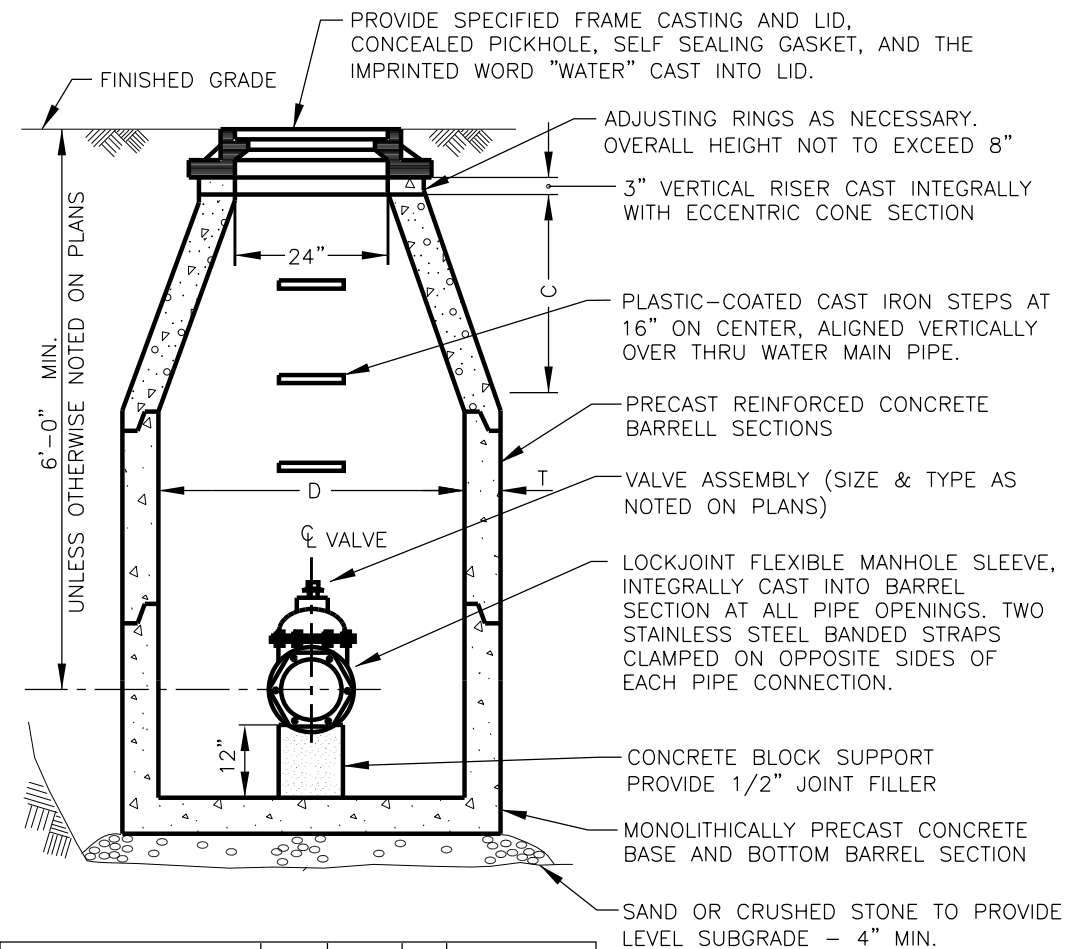
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES  
DETAILS

SCALE: NTS SHEET 8 OF 13 SHEETS STA. TO STA.

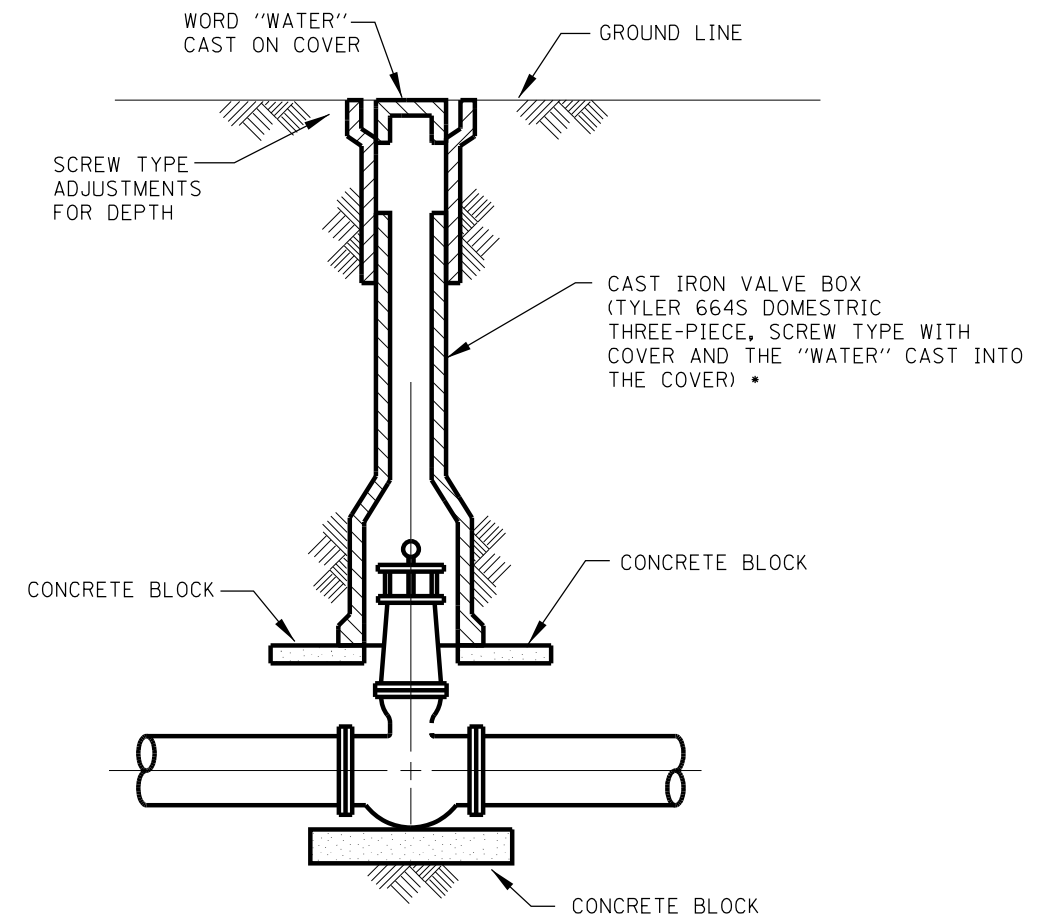
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	63
CONTRACT NO. 61C48			ILLINOIS FED. AID PROJECT	



VALVE SIZE & TYPE	D	C	T	CONE TYPE
12" & UNDER (GATE)	48"	2'-6"	4"	CONCENTRIC
OVER 12" (BUTTERFLY)	60"	3'-9"	5"	ECCENTRIC

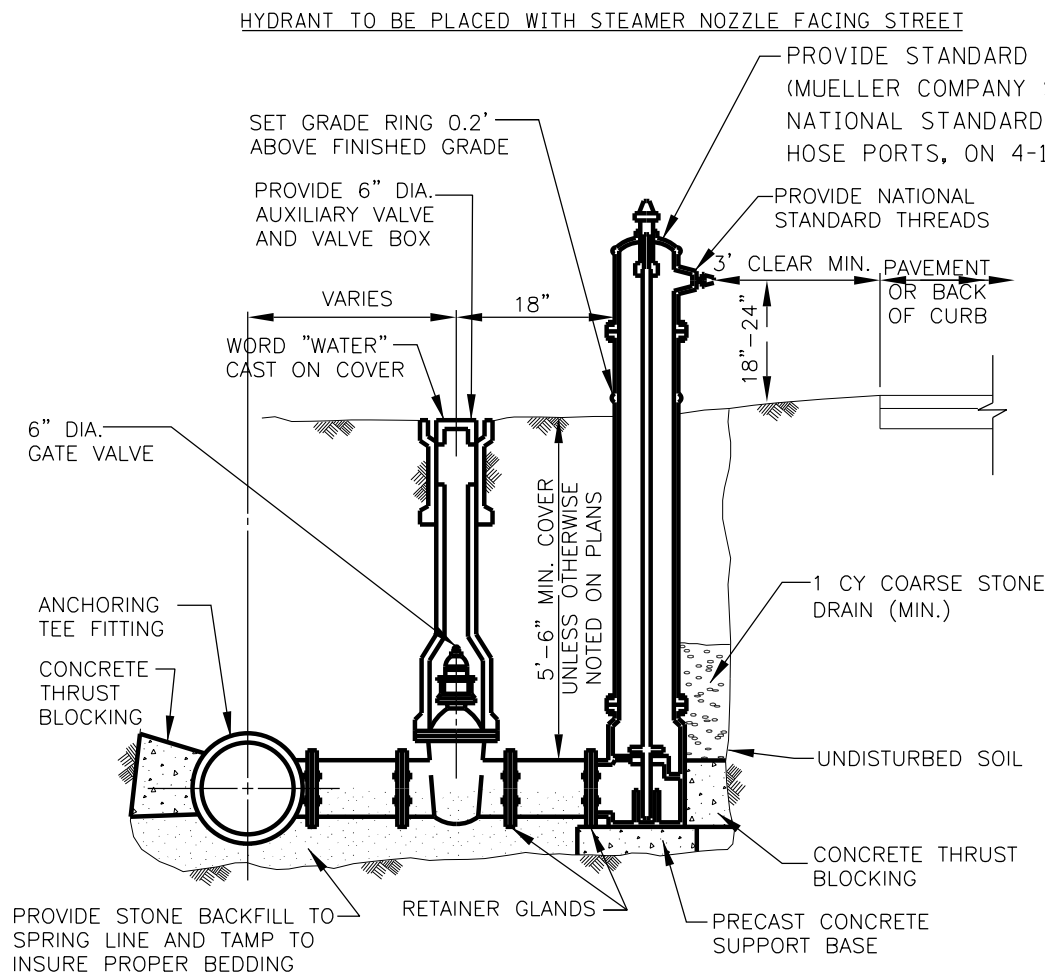
1. ALL MANHOLE SECTIONS, ADJUSTING RINGS (IF USED) AND FRAME CASTING SHALL BE SET IN FULL BED OF BITUMINOUS MASTIC OR PRE-FORMED BITUMINOUS GASKET. APPLY MASTIC OVER EXTERIOR OF JOINTS BETWEEN SECTIONS AND LIFT HOLES. INTERIOR SURFACES OF ALL JOINTS AND PIPE CONNECTIONS SHALL BE PARGED, AND ALL LIFT HOLES PLUGGED WITH HYDRAULIC CEMENT MORTAR.
2. FRAME OPENING SHALL BE ALIGNED OVER OPERATING NUT SO THAT VALVE CAN BE KEYPED WITHOUT SKEW, TWIST OR TORQUE.
3. SHALLOW DEPTHS MAY REQUIRE USE OF "FLAT SLAB TOP" SECTION IN LIEU OF CONE SECTION.

### VALVE IN VAULT



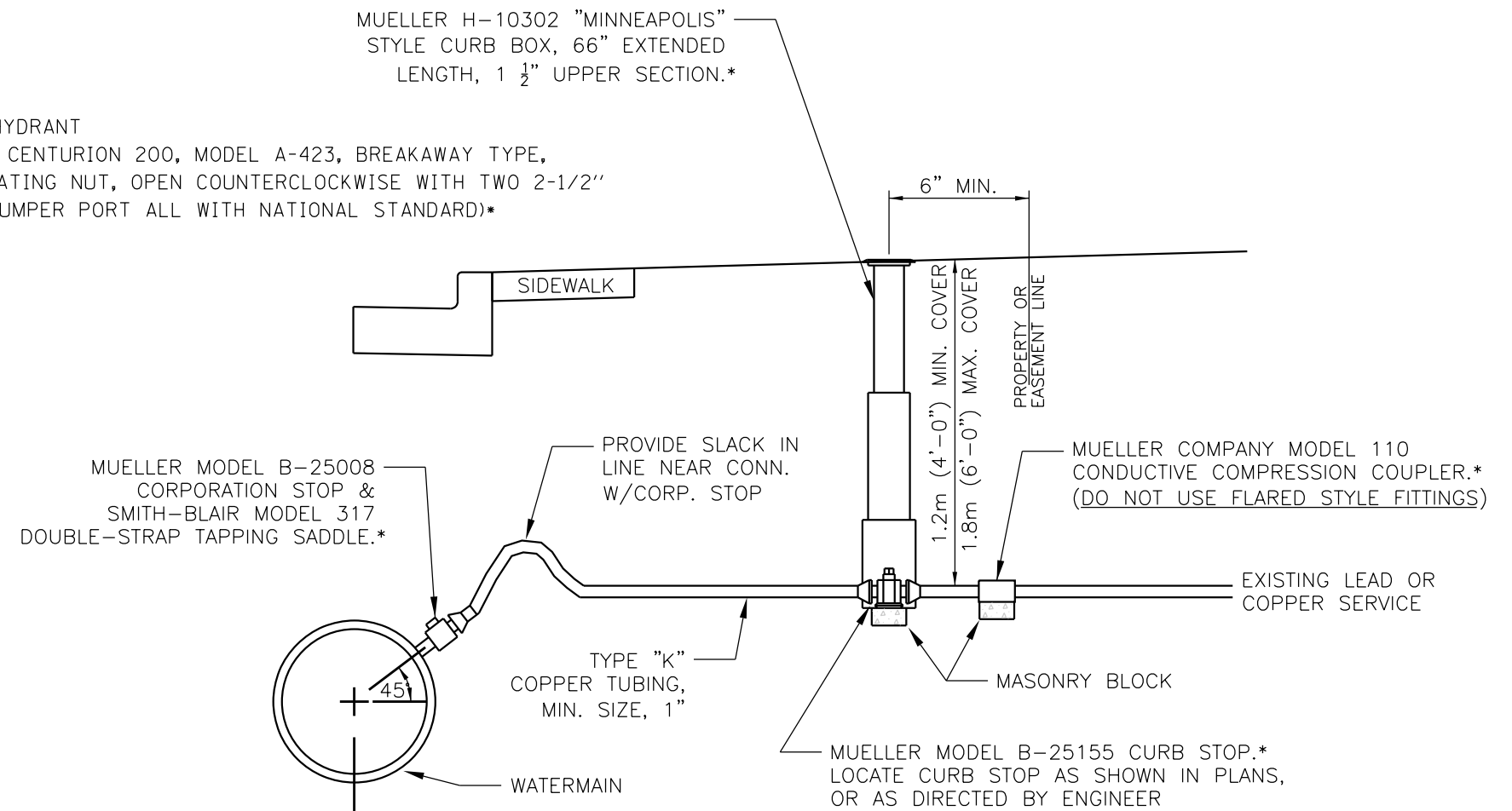
### VALVE BOX N.T.S.





1. CONCRETE SUPPORT BASE AND THRUST BLOCKING SHALL BE SET SO AS TO NOT BLOCK OR OBSTRUCT THE HYDRANT DRAIN.
2. MAXIMUM COVER AT VALVE SHALL BE 7'-6".
3. RETAINER GLANDS SHALL BE USED AT VALVE CONNECTION JOINTS.
4. FIRE HYDRANT ASSEMBLY SHALL BE EQUIPPED WITH BREAK AWAY FLANGE CONNECTION.
5. THE FIRE HYDRANT SHALL BE PAINTED "RED" PER LOCAL JURISDICTION SPECIFICATIONS.

**FIRE HYDRANT ASSEMBLY**  
N.T.S.



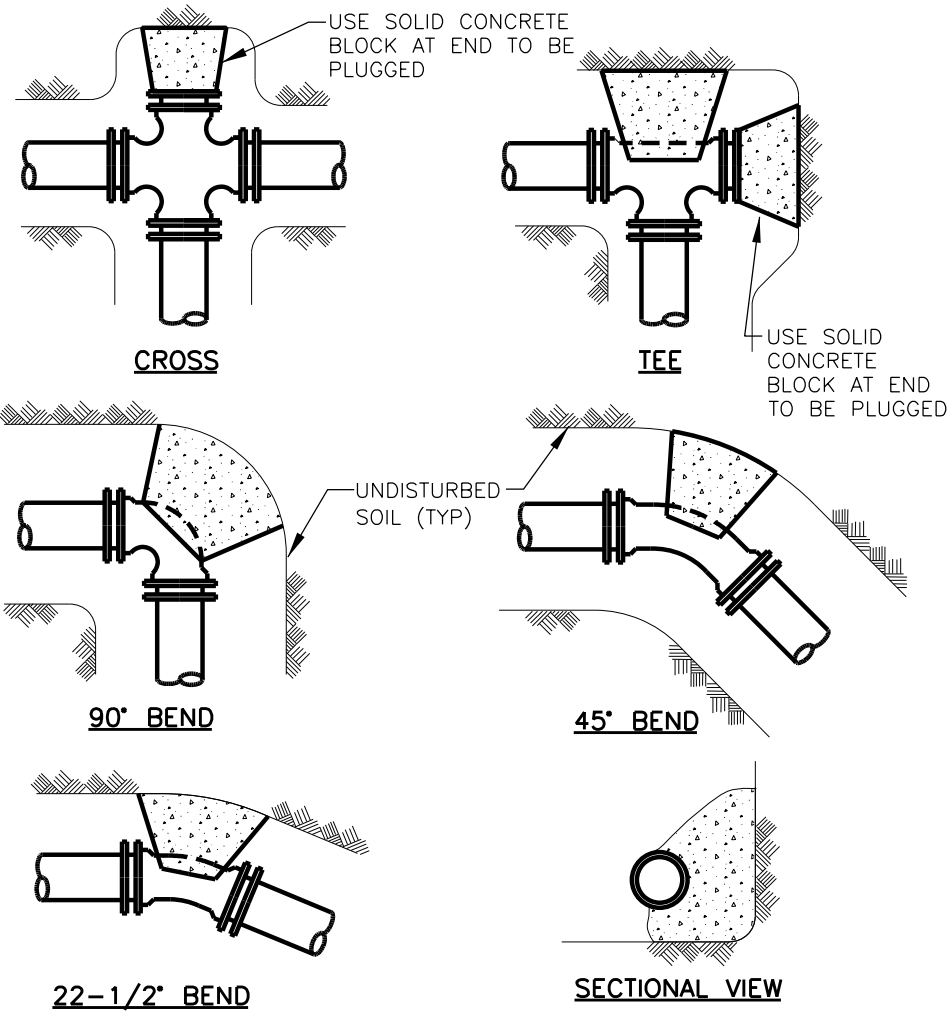
**TYPICAL WATER SERVICE**  
N.T.S.

FILE NAME =	USER NAME = ANInoFlores	DESIGNED -	REVISED -
P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545-sht-drain-d	DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

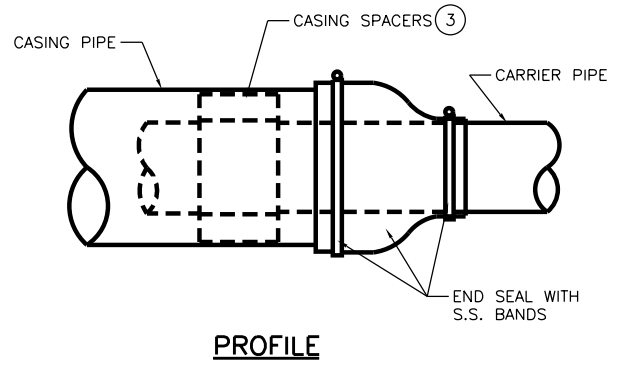
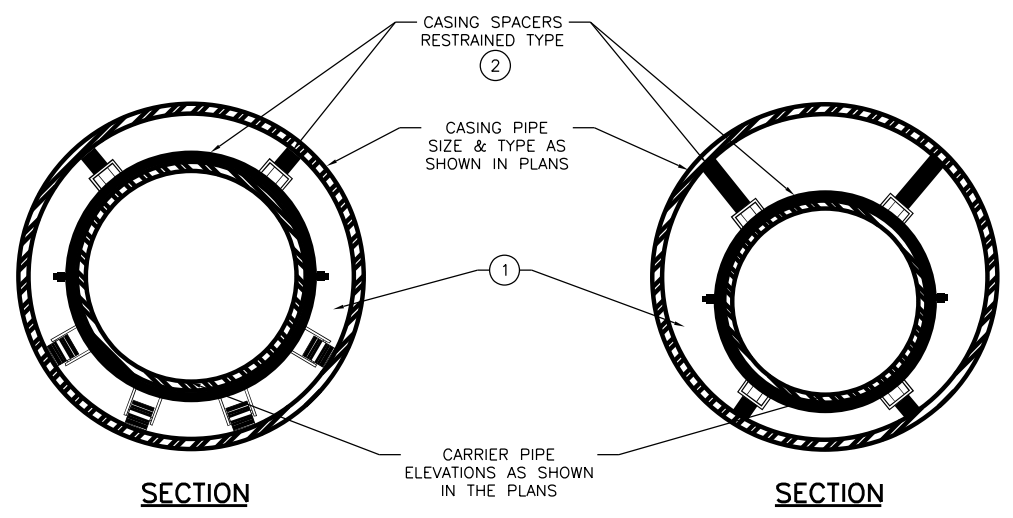
DRAINAGE AND UTILITIES DETAILS			
SCALE: NTS	SHEET 10	OF 13 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	65
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



1. THRUST BLOCKING SHALL BE USED AT 1/8" OR GREATER BENDS
2. THRUST BLOCKING SHALL BE CLASS "X" CONCRETE POURED AGAINST FIRM UNDISTURBED SOIL.

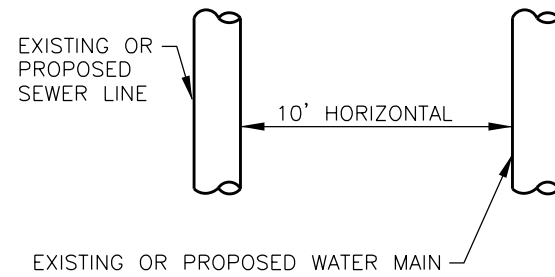
**THRUST BLOCKING DETAIL**  
N.T.S.



- NOTES:
1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS, UNLESS CONTRACTOR IS INSTRUCTED TO DO SO ON PLANS OR IN SPECIFICATIONS.
  2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT EXTEND TO WITHIN 1-INCH OF CASING INSIDE DIAMETER ON ALL SIDES (RESTRAINED TYPE).
  3. PROVIDE AMOUNT OF SPACERS AS INSTRUCTED BY SPACER MANUFACTURER WITH A MINIMUM OF ONE SPACER ON EACH SIDE OF A PIPE JOINT AND ONE SPACER IN BETWEEN JOINTS (THREE PER PIPE LENGTH)

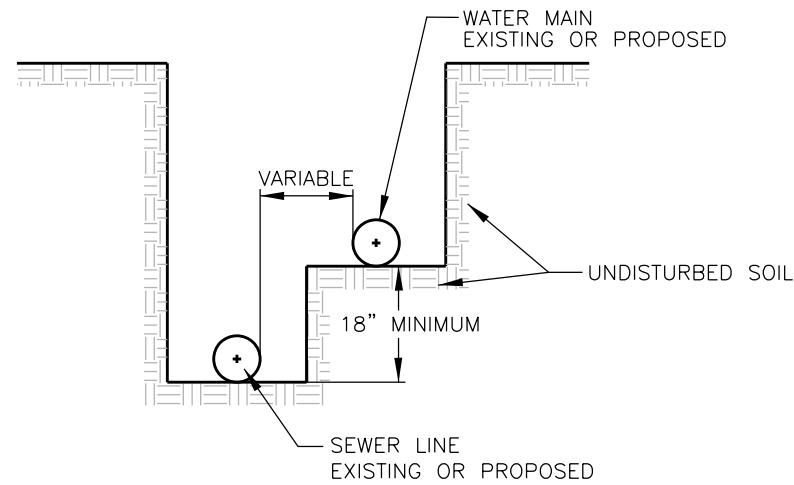
**WATERMAIN CASING PIPE**  
N.T.S.

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION IS REQUIRED.



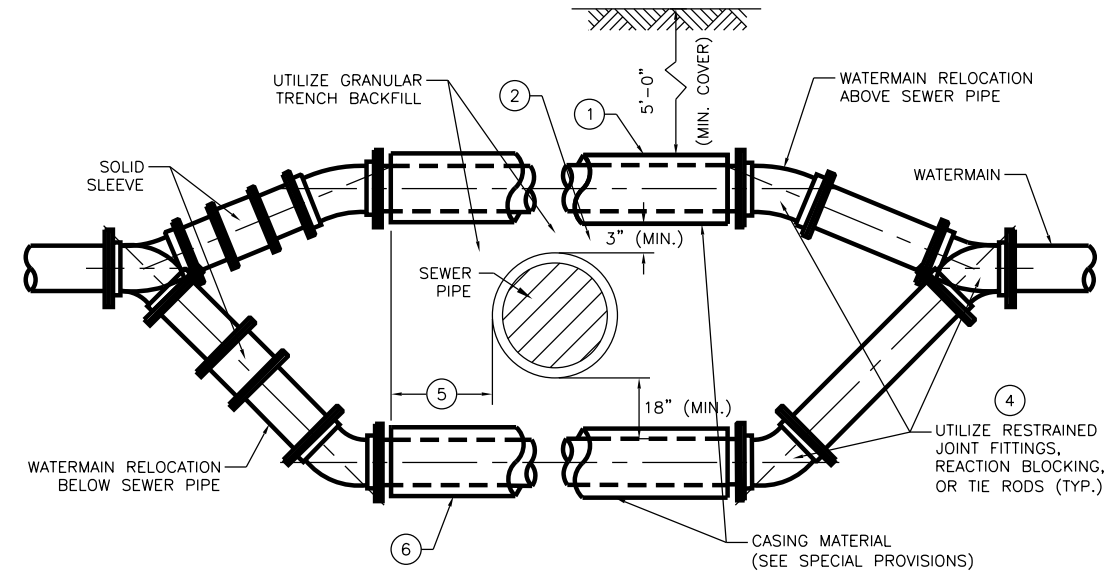
**PLAN VIEW**

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY.



**WATER AND SEWER SEPARATION REQUIREMENTS**

(HORIZONTAL SEPARATION)  
N.T.S.



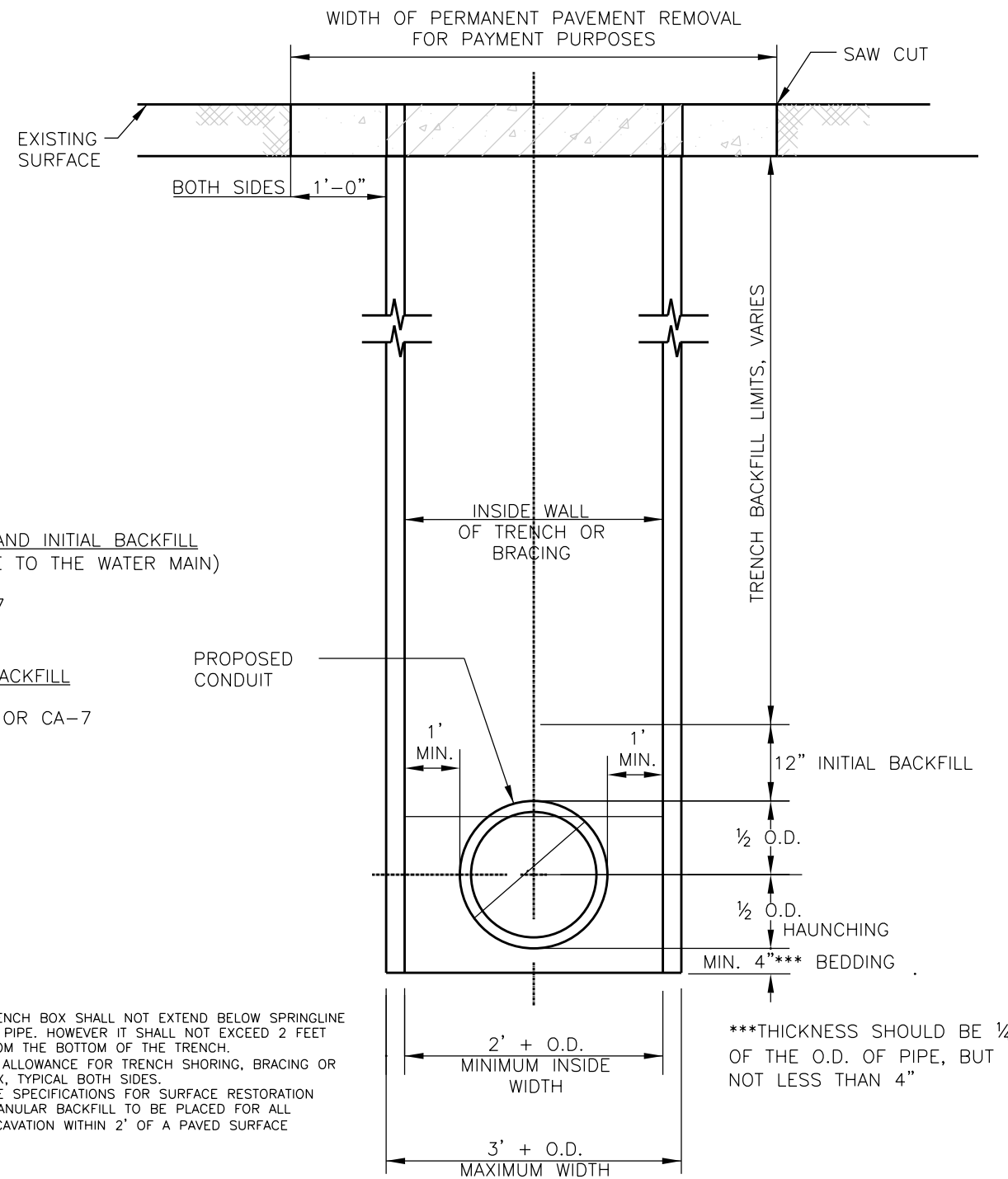
**NOTES:**

1. ONLY TO BE USED IF WATERMAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION.
2. WHEN WATERMAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
3. WATERMAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
4. USE ONLY 45° BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
5. CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND THE OUTSIDE EDGE OF THE SEWER PIPE, ON BOTH SIDES OF THE SEWER.
6. WHEN CROSSING UNDER A WATERMAIN QUALITY EXISTING OR PROPOSED SEWER WITH AT LEAST 18" OF CLEARANCE, CASING ON WATERMAIN IS NOT REQUIRED.

**WATERMAIN/SEWER CLEARANCE REQUIREMENTS**

N.T.S.

FILE NAME =	USER NAME = AninoFlores	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITIES DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545-shr-drain-d	DRAWN -	REVISED -		SCALE: NTS	SHEET 12	OF 13	SHEETS	STA.	TO STA.	LAKE	133	67
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					51-152	04-00018-00-FP			CONTRACT NO. 61C48	
	PLOT DATE = 2/14/2018	DATE -	REVISED -					ILLINOIS FED. AID PROJECT					



**BEDDING AND INITIAL BACKFILL**  
(INCLUSIVE TO THE WATER MAIN)

- CA-7

**TRENCH BACKFILL**

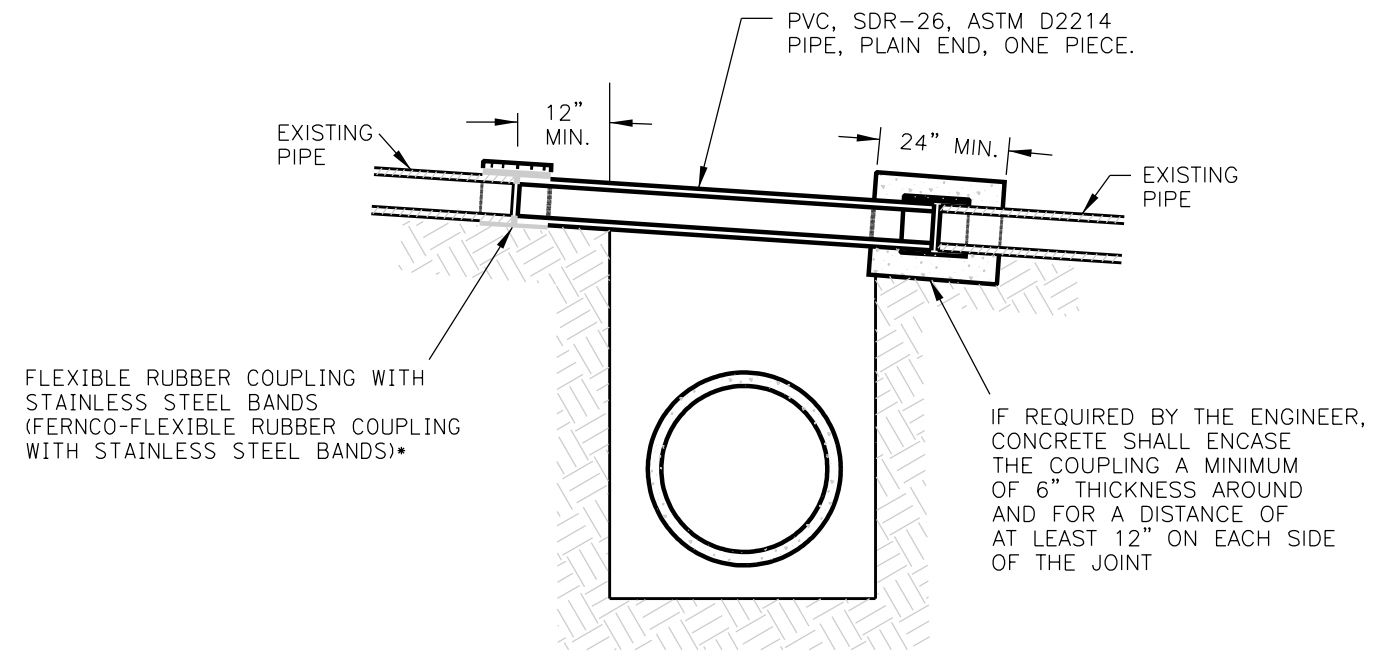
- CA-6 OR CA-7

**NOTES:**

1. TRENCH BOX SHALL NOT EXTEND BELOW SPRINGLINE OF PIPE. HOWEVER IT SHALL NOT EXCEED 2 FEET FROM THE BOTTOM OF THE TRENCH.
2. 6" ALLOWANCE FOR TRENCH SHORING, BRACING OR BOX, TYPICAL BOTH SIDES.
3. SEE SPECIFICATIONS FOR SURFACE RESTORATION GRANULAR BACKFILL TO BE PLACED FOR ALL EXCAVATION WITHIN 2' OF A PAVED SURFACE
- 4.

**TRENCH BACKFILL**

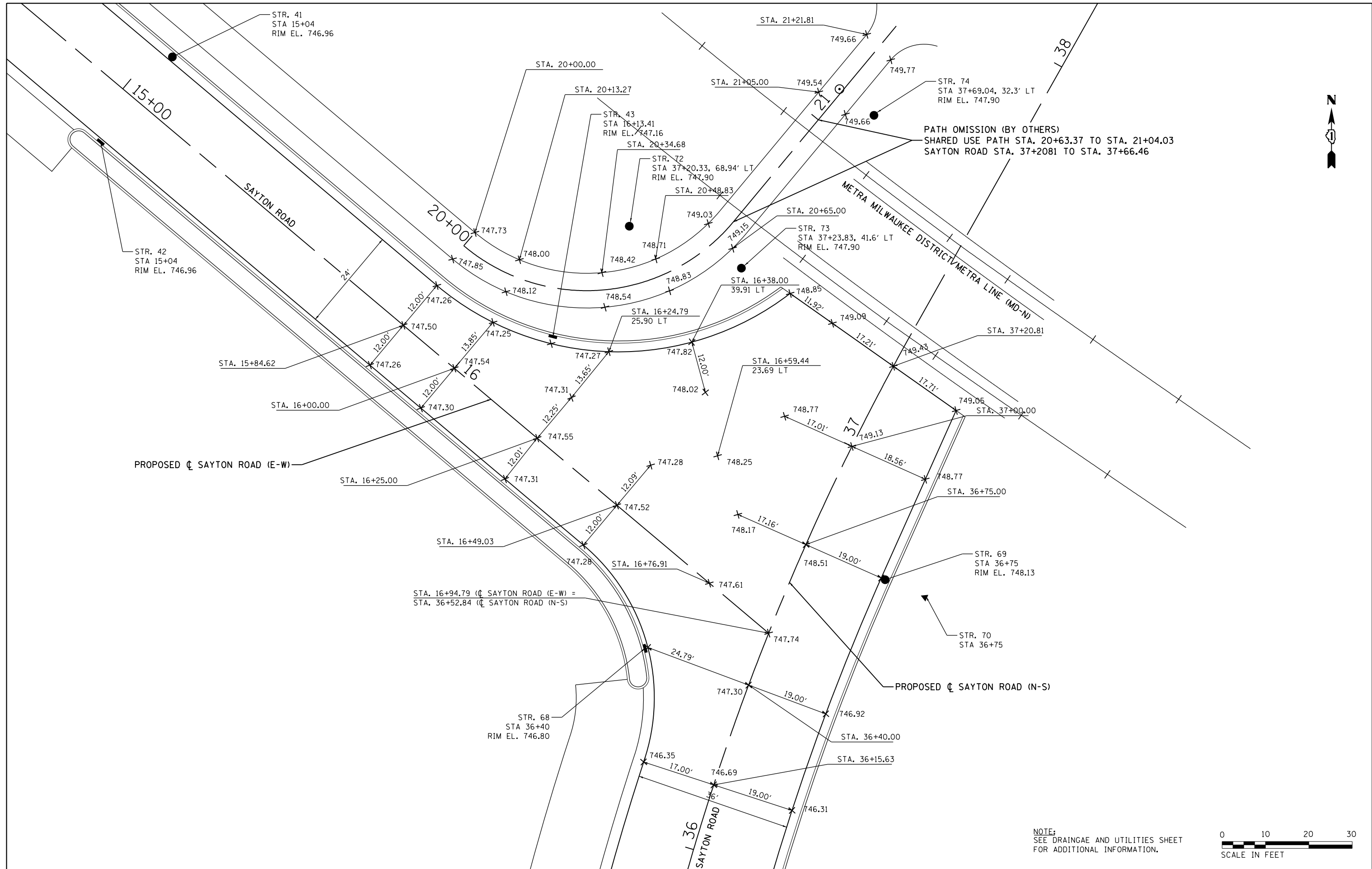
N.T.S.



**SANITARY LATERAL REPAIR DETAIL**

N.T.S.

FILE NAME =	USER NAME = ANinoFlores	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITIES DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545-shr-drain-d	DRAWN -	REVISED -		SCALE: NTS	SHEET 13	OF 13	SHEETS	STA.	TO STA.	LAKE	133	68
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					51-152	04-00018-00-FP				
	PLOT DATE = 2/14/2018	DATE -	REVISED -								<b>CONTRACT NO. 61C48</b>		



NOTE:  
SEE DRAINAGE AND UTILITIES SHEET  
FOR ADDITIONAL INFORMATION.



FILE NAME =  
F0130545-shr.intersect1.dgn  
Default

USER NAME = ANinoFlores  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 2/14/2018

DESIGNED - AEA  
DRAWN - LMC  
CHECKED -  
DATE -

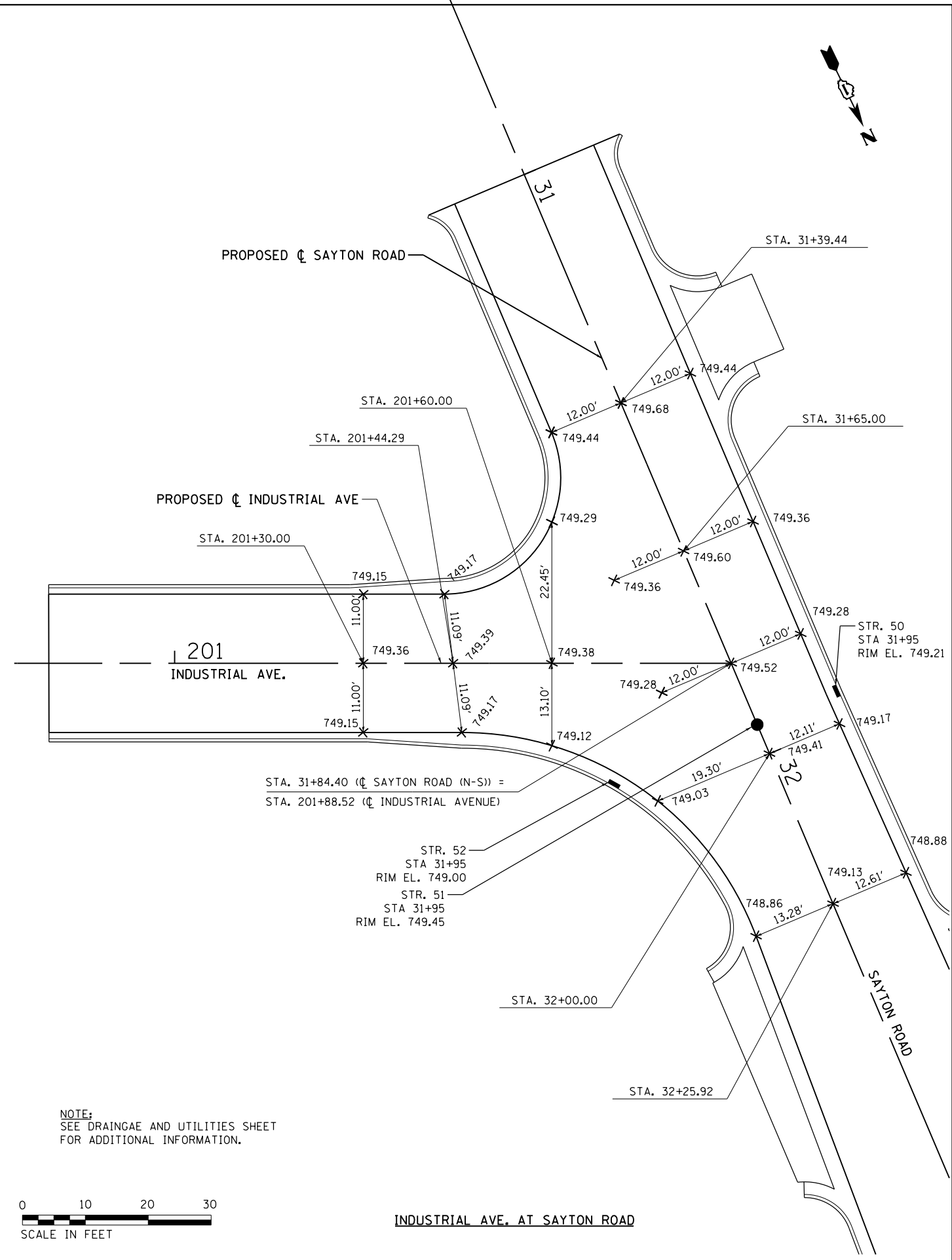
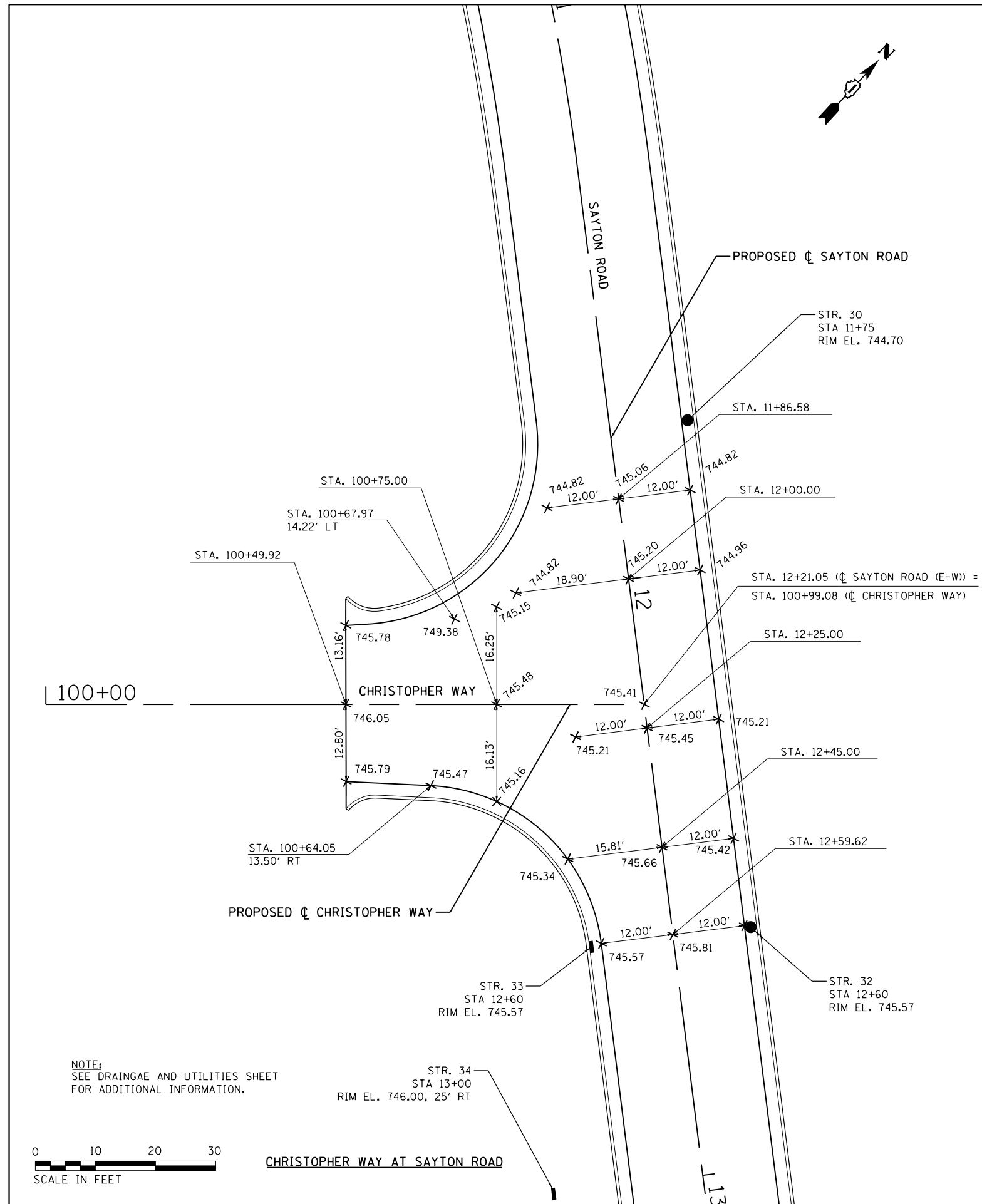
REVISED -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS  
SAYTON ROAD AT SAYTON ROAD**

SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-152	04-00018-00-FP	LAKE	133	69
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



NOTE:  
SEE DRAINAGE AND UTILITIES SHEET  
FOR ADDITIONAL INFORMATION.



CHRISTOPHER WAY AT SAYTON ROAD

NOTE:  
SEE DRAINAGE AND UTILITIES SHEET  
FOR ADDITIONAL INFORMATION.



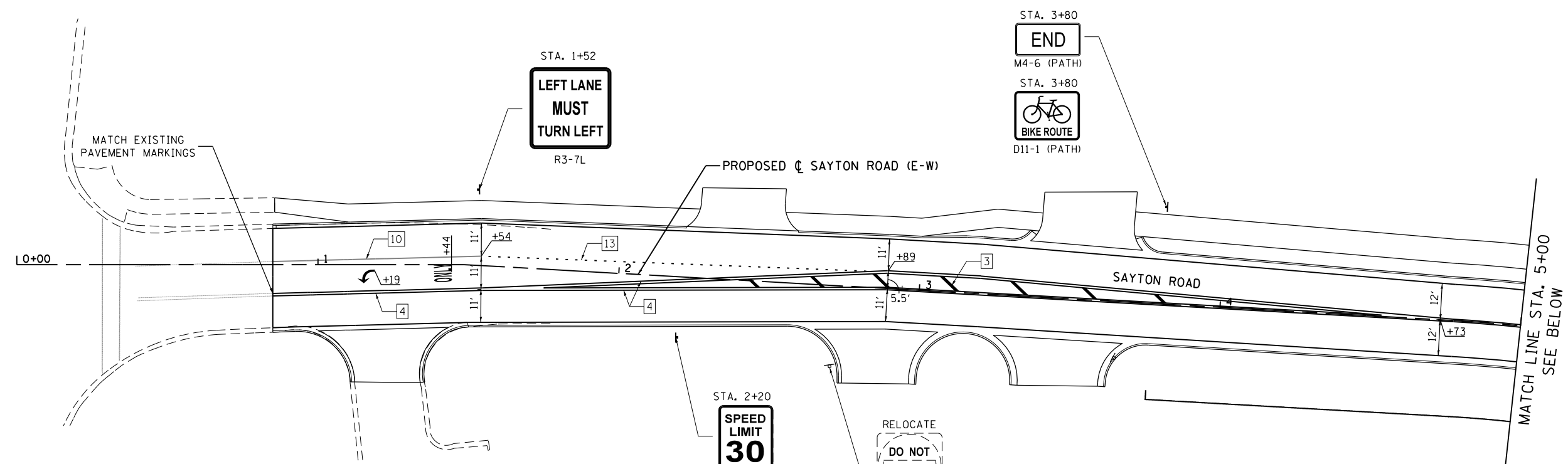
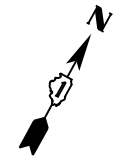
INDUSTRIAL AVE. AT SAYTON ROAD

FILE NAME = F0130545-shr.intersec2.dgn	USER NAME = AninoFlores	DESIGNED - AEA	REVISED -
		DRAWN - LMC	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT SCALE = 20.0000' / in.		
	PLOT DATE = 2/14/2018		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS	
INDUSTRIAL AVE. AT SAYTON ROAD/CHRISTOPHER WAY AT SAYTON ROAD	SCALE: 1" = 10'
SHEET 2 OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-152	04-00018-00-FP	LAKE	133	70
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



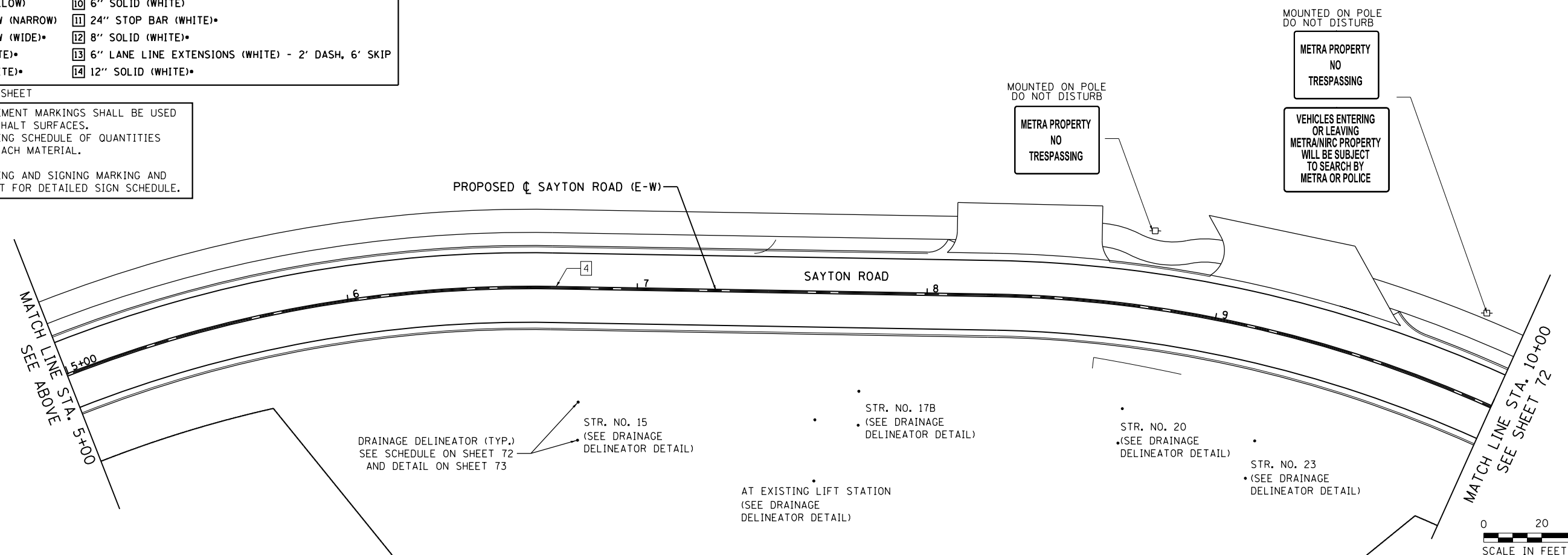
**TYPICAL PAVEMENT MARKING LEGEND**

1 4" SKIP-DASH (YELLOW)*	8 4" SOLID (WHITE)*
2 4" SOLID (YELLOW)*	9 12" DIAGONAL (WHITE)*
3 12" DIAGONAL (YELLOW)	10 6" SOLID (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)*
5 4" DOUBLE YELLOW (WIDE)*	12 8" SOLID (WHITE)*
6 6" DIAGONAL (WHITE)*	13 6" LANE LINE EXTENSIONS (WHITE) - 2' DASH, 6' SKIP
7 4" SKIP-DASH (WHITE)*	14 12" SOLID (WHITE)*

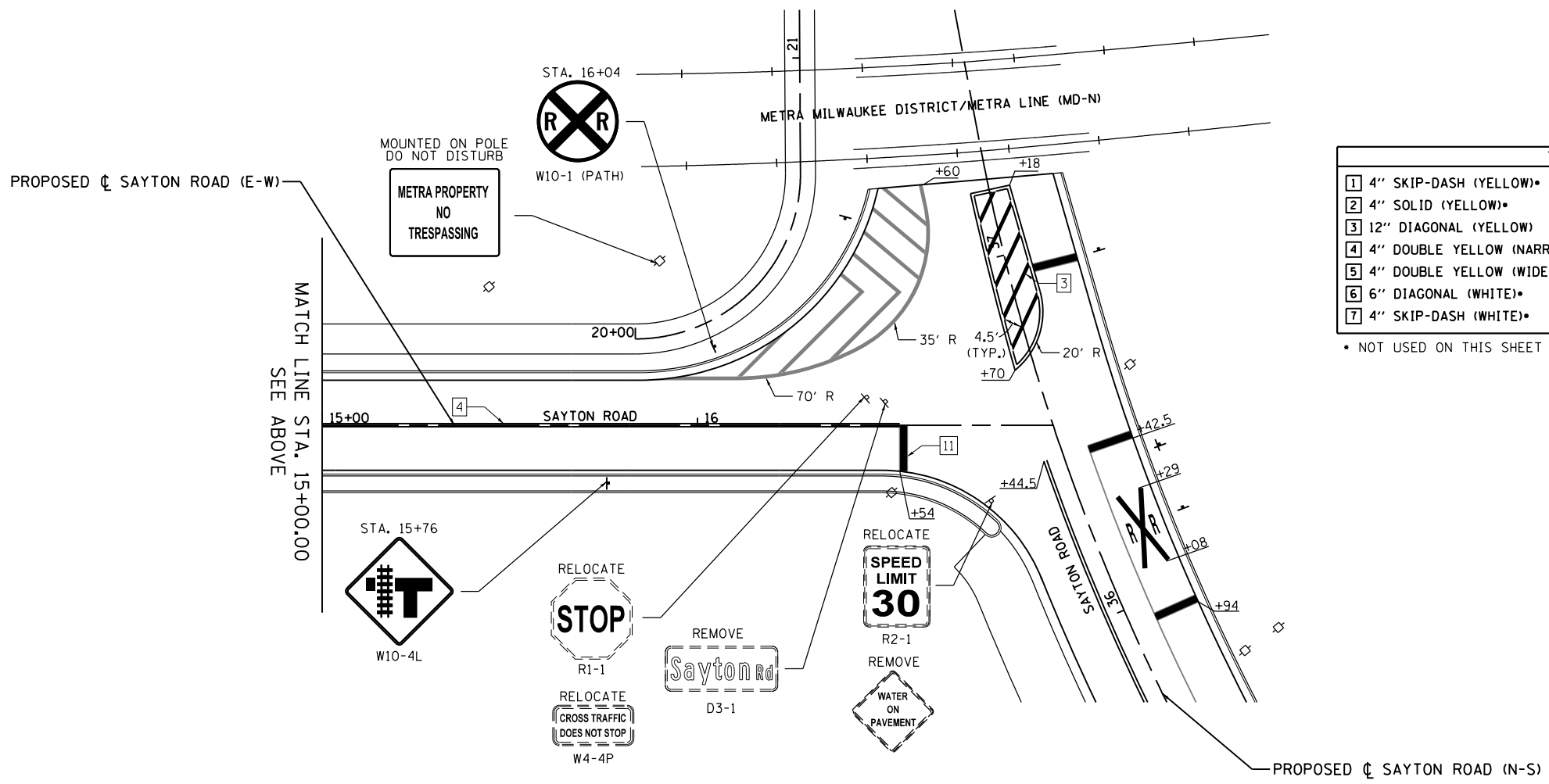
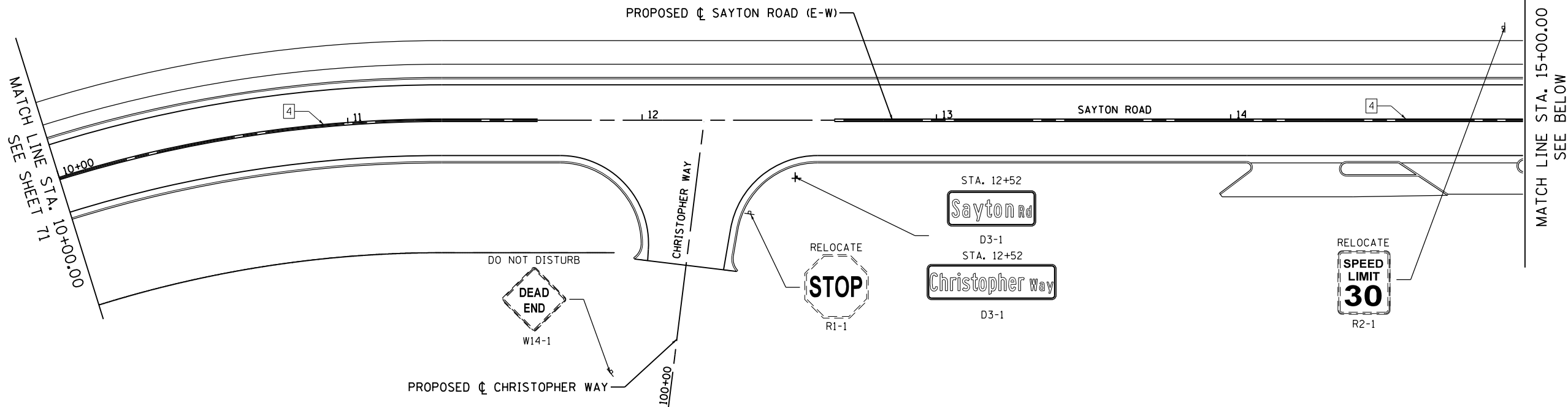
\*NOT USED ON THIS SHEET

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL.

SEE PAVEMENT MARKING AND SIGNING MARKING AND SIGN SCHEDULE SHEET FOR DETAILED SIGN SCHEDULE.



FILE NAME = F0130545-sh1-sign1.dgn	USER NAME = AninoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNING SAYTON ROAD</b>			F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 71
Default	PLOT SCALE = 40.0000' / in.	DRAWN - LMC	REVISED -		SCALE: 1"=20'	SHEET 1	OF 6 SHEETS	STA. 0+00	TO STA. 10+00	CONTRACT NO. 61C48		
	PLOT DATE = 2/14/2018	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



TYPICAL PAVEMENT MARKING LEGEND			
1	4" SKIP-DASH (YELLOW)	8	4" SOLID (WHITE)
2	4" SOLID (YELLOW)	9	12" DIAGONAL (WHITE)
3	12" DIAGONAL (YELLOW)	10	6" SOLID (WHITE)
4	4" DOUBLE YELLOW (NARROW)	11	24" STOP BAR (WHITE)
5	4" DOUBLE YELLOW (WIDE)	12	8" SOLID (WHITE)
6	6" DIAGONAL (WHITE)	13	6" LANE LINE EXTENSIONS (WHITE) - 2' DASH, 6' SKIP
7	4" SKIP-DASH (WHITE)	14	12" SOLID (WHITE)

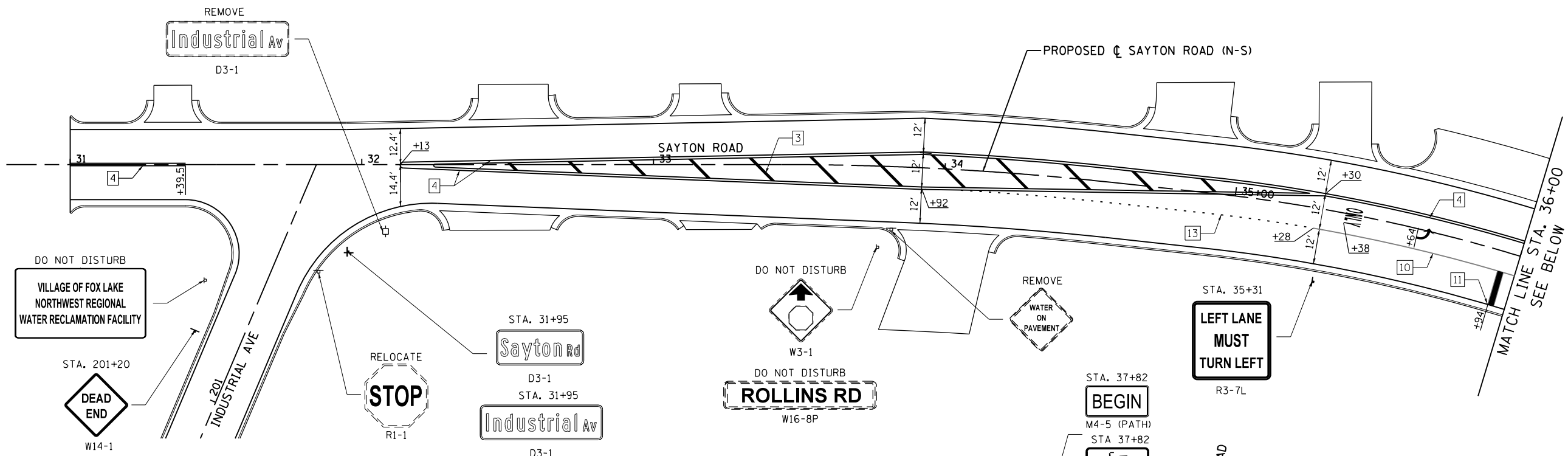
\* NOT USED ON THIS SHEET

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL.

SEE PAVEMENT MARKING AND SIGNING MARKING AND SIGN SCHEDULE SHEET FOR DETAILED SIGN SCHEDULE.







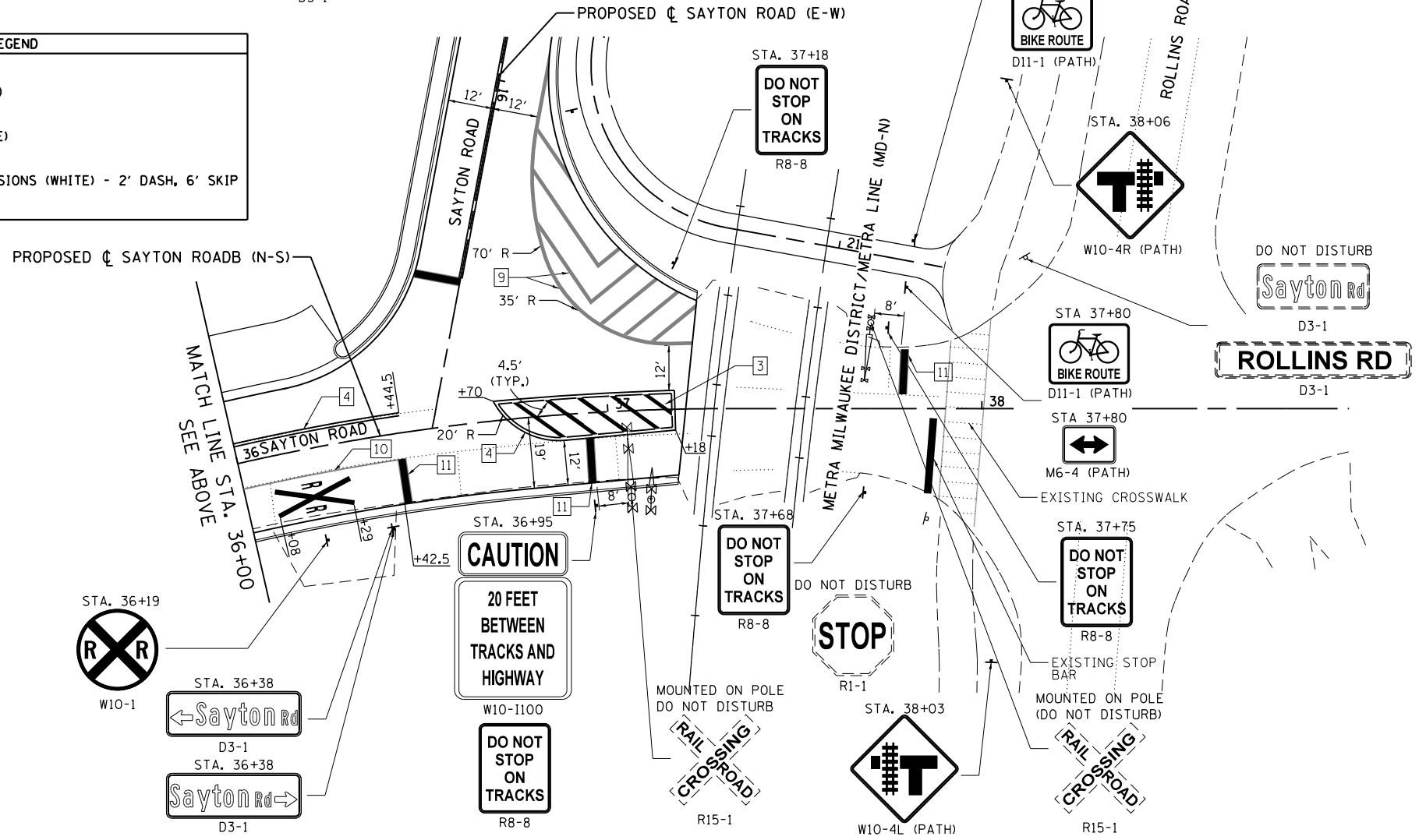
**TYPICAL PAVEMENT MARKING LEGEND**

1 4" SKIP-DASH (YELLOW)*	8 4" SOLID (WHITE)*
2 4" SOLID (YELLOW)*	9 12" DIAGONAL (WHITE)
3 12" DIAGONAL (YELLOW)	10 6" SOLID (WHITE)
4 4" DOUBLE YELLOW (NARROW)	11 24" STOP BAR (WHITE)
5 4" DOUBLE YELLOW (WIDE)*	12 8" SOLID (WHITE)*
6 6" DIAGONAL (WHITE)*	13 6" LANE LINE EXTENSIONS (WHITE) - 2' DASH, 6' SKIP
7 4" SKIP-DASH (WHITE)*	14 12" SOLID (WHITE)*

\* NOT USED ON THIS SHEET

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL.

SEE PAVEMENT MARKING AND SIGNING MARKING AND SIGN SCHEDULE SHEET FOR DETAILED SIGN SCHEDULE.



FILE NAME = F0130545-shr-sign3.dgn  
Default

USER NAME = AninoFlores  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 2/14/2018

DESIGNED - AEA  
DRAWN - LMC  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING  
SAYTON ROAD**  
SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 73
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

THERMOPLASTIC PAVEMENT MARKING - LINE 4"			
LOCATION	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	DOUBLE YELLOW (FOOT)
SAYTON ROAD (E-W)			
0+85 TO 1+54 LT	--	69	--
0+85 TO 1+54 RT	--	--	139
1+55 TO 2+89 LT	--	--	270
1+55 TO 2+89 RT	--	--	269
2+89 TO 4+73 LT	--	--	368
2+89 TO 4+76 C	--	--	368
4+77.08 TO 11+64.45 C	--	--	1373
12+65.27 TO 16+53.93 C	--	--	777
SUBTOTAL	0	69	3563
SAYTON ROAD (N-S)			
31+00 TO 31+97 C	--	--	79
32+13 TO 33+92 LT	--	--	356
32+13 TO 33+92 RT	--	--	357
33+92 TO 35+30 LT	--	--	277
33+92 TO 35+30 RT	--	--	277
35+30 TO 36+44 LT	--	--	230
35+30 TO 36+44 RT	115	--	--
36+70 TO 37+18 LT	--	--	106
36+70 TO 37+18 RT	--	--	118
SUBTOTAL	115	0	1800
<b>TOTAL</b>	<b>5548</b>		

THERMOPLASTIC PAVEMENT MARKING - LINE 6"	
LOCATION	LANE LINE EXTENSION WHITE (FOOT)
SAYTON ROAD (E-W)	
1+54.54 TO 2+88.89 LT	140
SUBTOTAL	140
SAYTON ROAD (N-S)	
33+92.29 TO 35.30.39 RT	123
SUBTOTAL	123
<b>TOTAL</b>	<b>263</b>

THERMOPLASTIC PAVEMENT MARKING - LINE 12"		
LOCATION	DIAGONAL WHITE (FOOT)	DIAGONAL YELLOW (FOOT)
SAYTON ROAD (E-W)		
1+54.54 TO 4+73.00 C	--	39
16+26.27 TO 16+72.00 LT	256	--
16+72.79 TO 16+83.12	--	71
SUBTOTAL	256	110
SAYTON ROAD (N-S)		
32+49.72 TO 34+93.57 C	--	123
SUBTOTAL	0	123
<b>TOTAL</b>	<b>489</b>	

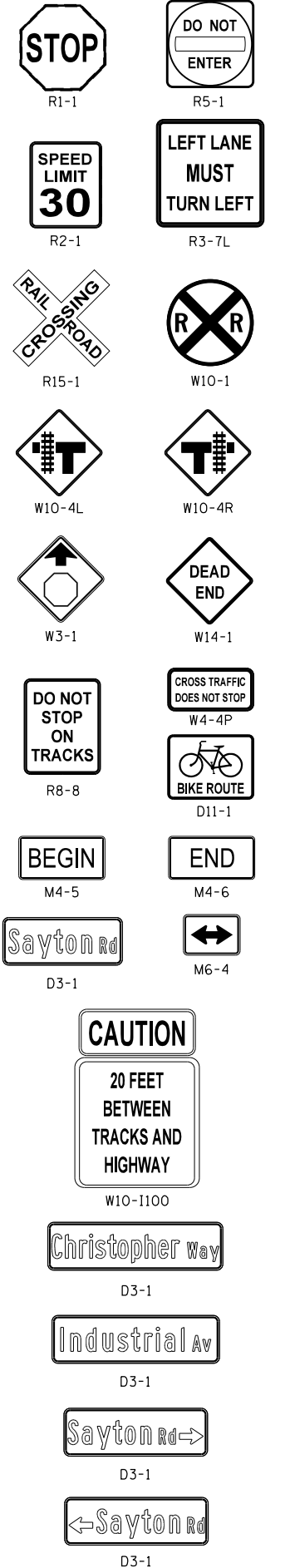
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	
LOCATION	STOP BAR WHITE (FOOT)
SAYTON ROAD (E-W)	
16+54, RT	12
SUBTOTAL	12
SAYTON ROAD (N-S)	
35+95 RT	12
36+42.5 RT	12
36+95 RT	12
37+78 LT	12
SUBTOTAL	48
<b>TOTAL</b>	<b>60</b>

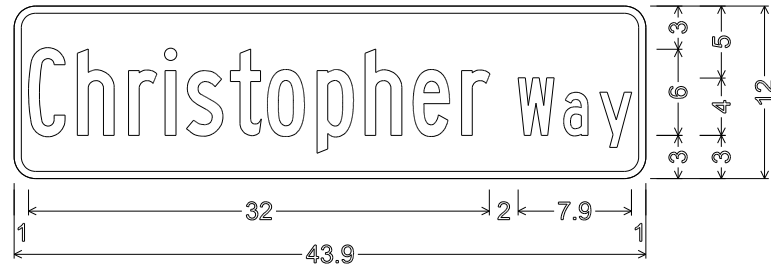
NOTES:  
THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL HOT-MIX ASPHALT SURFACES. SEE PAVEMENT MARKING SCHEDULE OF QUANTITIES FOR LOCATIONS OF EACH MATERIAL.

SIGN SCHEDULE						
LOCATION	TYPE	72000100 SIGN PANEL TYPE 1 (SQ FT)	72900100 METAL POST TYPE A (FOOT)	72900200 METAL POST TYPE B (FOOT)	72800100 TELESCOPING STEEL SIGN SUPPORT (FOOT)	COMMENTS
SAYTON ROAD (E-W)						
1+52.00 25.2' LT	R3-7L	6.3	--	13.5	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 30"x30"
2+20.00 20.2' RT	R2-1	5.0	--	13.5	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 24"x30"
2+71.48 26.9' RT	R5-1	--	--	13.5	--	RELOCATE EX. SIGN INSTALLED ON NEW POST
3+80.00 32.3' LT	D11-1 (PATH)	3.0	12.5	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 24"x18"
3+80.00 32.3' LT	M4-6 (PATH)	0.5	--	--	--	NEW SIGN INSTALLED ON NEW POST WITH D11-1, SIGN SIZE = 12"x6"
8+75.37 26.6' LT	EX. SIGN	--	--	--	--	DO NOT DISTURB - EX. SIGN MOUNTED ON POLE
9+86.67 29.0' LT	EX. SIGN	--	--	--	--	DO NOT DISTURB - EX. SIGN MOUNTED ON POLE
9+86.67 29.0' LT	EX. SIGN	--	--	--	--	DO NOT DISTURB - EX. SIGN MOUNTED ON POLE
12+52.00 19.3' RT	D3-1	5.0	--	--	15.0	TWO NEW SIGNS INSTALLED ON NEW POST, SIGN SIZE = 30"x12", AREA=2.5 SQ FT
12+52.00 19.3' RT	D3-1	7.3	--	--	--	TWO NEW SIGNS INSTALLED ON NEW POST, SIGN SIZE = 43.9"x12", AREA=3.65 SQ FT
14+93.15 31.4' LT	R2-1	--	--	13.5	--	RELOCATE EX. SIGN INSTALLED ON NEW POST
15+76.30 15.5' RT	W10-4L	6.3	--	14.5	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 30"x30"
15+90.59 43.8' LT	EX. SIGN	--	--	--	--	DO NOT DISTURB - EX. SIGN MOUNTED ON POLE
16+04.00 20.8' LT	W10-1 (PATH)	3.1	12.5	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE d = 24"
16+44.80 7.4' LT	R1-1	--	--	15.0	--	RELOCATE EX. SIGN INSTALLED ON NEW POST
16+44.80 7.4' LT	W4-4P	--	--	--	--	RELOCATE EX. SIGN INSTALLED ON NEW POST WITH R1-1
16+49.78 6.3' LT	D3-1	--	--	--	--	REMOVE
16+78.03 20.1' RT	R2-1	--	--	13.5	--	RELOCATE EX. SIGN INSTALLED ON NEW POST
16+78.03 20.1' RT	EX. SIGN	--	--	--	--	REMOVE
SUBTOTAL		36.5	25.0	97.0	15.0	
SAYTON ROAD (N-S)						
31+45.91 RT	EX. SIGN	--	--	--	--	EX. SIGN, DO NOT DISTURB
31+95.00 29.7' RT	D3-1	5.0	--	--	15.0	TWO NEW SIGNS INSTALLED ON NEW POST, SIGN SIZE = 30"x12", AREA=2.5 SQ FT
31+95.00 29.7' RT	D3-1	7.0	--	--	--	TWO NEW SIGNS INSTALLED ON NEW POST, SIGN SIZE = 42"x12", AREA=3.5 SQ FT
32+08.13 23.0' RT	D3-1	--	--	--	--	REMOVE
33+77.04 27.8' RT	W3-1	--	--	--	--	EX. SIGN, DO NOT DISTURB
33+77.04 27.8' RT	W16-8P	--	--	--	--	EX. SIGN, DO NOT DISTURB
33+82.30 21.6' RT	EX. SIGN	--	--	--	--	REMOVE
35+31.00 25.1' RT	R3-7L	6.3	--	13.5	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 30"x30"
36+19.85 25.0' RT	W10-1	3.1	12.5	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE d = 36"
36+38.00 25.0' RT	D3-1	6.0	--	--	15.0	TWO NEW SIGNS INSTALLED ON NEW POST, SIGN SIZE 36"x12"
36+38.00 25.0' RT	D3-1	6.0	--	--	--	TWO NEW SIGNS INSTALLED ON NEW POST, SIGN SIZE 36"x12"
36+95.00 24.9' RT	R8-8	5.0	16.0	--	--	NEW SIGN INSTALLED ON NEW POST WITH W10-1100, SIGN SIZE 24"x30"
36+95.00 24.9' RT	W10-1100	7.5	--	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN 30"x36"
37+05.35 23.1' RT	R15-1	--	--	--	--	DO NOT DISTURB - EX. SIGN MOUNTED ON POLE
37+18.50 39.1' LT	R8-8	5.0	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE 24"x30"
37+68.00 22.5' RT	R8-8	5.0	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE 24"x30"
37+70.03 23.0' RT	R15-1	--	--	--	--	DO NOT DISTURB - EX. SIGN MOUNTED ON POLE
37+75.00 21.7' LT	R8-8	5.0	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE 24"x30"
37+80.00 32.4' LT	D11-1 (PATH)	3.0	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 24"x18"
37+80.00 32.4' LT	M6-4 (PATH)	0.8	--	--	--	NEW SIGN INSTALLED ON NEW POST WITH D11-1, SIGN SIZE = 12"x9"
37+82.00 45.0' LT	M4-5 (PATH)	0.5	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 6"x12"
37+82.00 45.0' LT	D11-1 (PATH)	3.0	--	--	--	NEW SIGN INSTALLED ON NEW POST WITH M4-5, SIGN SIZE = 24"x18"
37+84.76 29.4' RT	R1-1	--	--	--	--	EX. SIGN, DO NOT DISTURB
38+02.50 67.4' RT	W10-4L (PATH)	2.3	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 18"x18"
38+06.00 87.7' LT	W10-4R (PATH)	2.3	13.0	--	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 18"x18"
38+12.0 40.4' LT	D3-1	--	--	--	--	EX. SIGN, DO NOT DISTURB
38+12.0 40.4' LT	D3-1	--	--	--	--	EX. SIGN, DO NOT DISTURB
SUBTOTAL		72.8	119.5	13.5	30.0	
CHRISTOPHER WAY						
100+10.52 19.5' LT	W14-1	--	--	--	--	EX. SIGN, DO NOT DISTURB
100+72.20 19.4' RT	R1-1	--	--	14.0	--	RELOCATE EX. SIGN INSTALLED ON NEW POST
SUBTOTAL		0.0	0.0	14.0	0	
INDUSTRIAL AVE						
201+20.00 16.1' LT	W14-1	6.3	--	14.5	--	NEW SIGN INSTALLED ON NEW POST, SIGN SIZE = 30"x30"
201+55.42 15.0' RT	R1-1	--	--	14.0	--	RELOCATE EX. SIGN INSTALLED ON NEW POST
SUBTOTAL		6.3	0.0	28.5	0	
<b>TOTAL</b>		<b>116.0</b>	<b>144.5</b>	<b>153.0</b>	<b>45.0</b>	

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS				
LOCATION	TURN ARROWS (SO FT)	ONLY SYMBOL (SO FT)	RAILROAD "R" (SO FT)	RAILROAD "X" (SO FT)
SAYTON ROAD (E-W)				
1+19.00 LT	15.6	--	--	--
1+44.31 LT	--	20.8	--	--
SUBTOTAL	15.6	20.8	--	--
SAYTON ROAD (N-S)				
5+64.00 LT	15.6	--	--	--
5+38.29 LT	--	20.8	--	--
6+08.00 RT	--	--	7.2	54.0
SUBTOTAL	15.6	20.8	7.2	54.0
<b>TOTAL</b>	<b>134.0</b>			

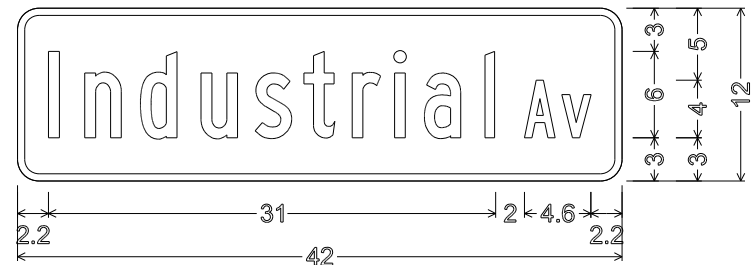
DELINEATOR SCHEDULE		
LOCATION	DELINEATORS (EACH)	METAL POST TYPE A (FOOT)
SAYTON ROAD (E-W)		
6+80.50 39.3' RT	1	6.0
6+80.50 52.5' RT	1	7.5
7+62.00 44.0' RT	1	6.0
7+62.00 65.1' RT	1	7.5
7+77.00 33.9' RT	1	6.0
7+77.00 45.7' RT	1	7.0
8+72.00 35.8' RT	1	6.0
8+72.00 47.8' RT	1	7.5
9+23.50 38.1' RT	1	6.0
9+23.50 51.4' RT	1	7.5
<b>TOTAL</b>	<b>10</b>	<b>67.0</b>





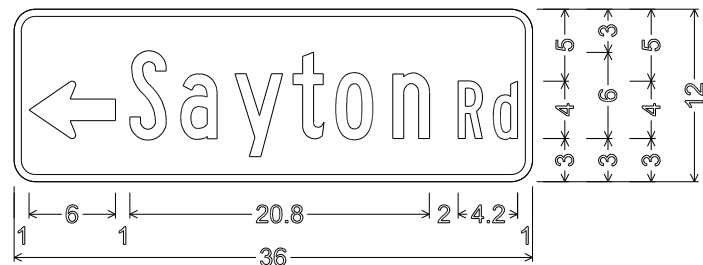
1.5" Radius, 0.5" Border, White on Green;  
 "Christopher" B specified length; "Way" B;  
 Table of widths and spaces.

1.0	c	2.5	0.9	h	2.5	1.0	r	2.0	0.6	i	0.7	0.8	s	2.5	0.5	t	2.0	0.6	o	2.6	0.8	p	2.6	0.8	h	2.5	0.8	e	2.5	0.9	r	1.9
	W	2.5	0.7	a	1.7	0.8	y	2.2	1.0																							



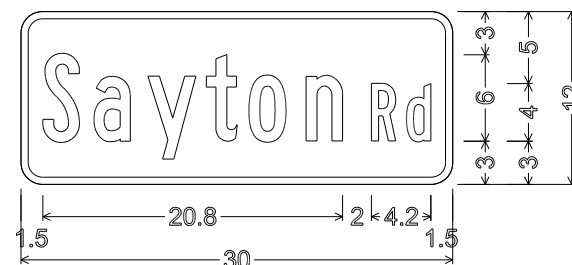
1.5" Radius, 0.5" Border, White on Green;  
 "Industrial" B; "Av" B;  
 Table of widths and spaces.

2.2	l	0.7	1.8	n	2.5	1.3	d	2.6	1.7	u	2.5	1.2	s	2.5	0.9	t	2.0	1.3	r	2.0	1.0	i	0.7	1.4	a	2.5	1.7	l	0.7	
	A	2.2	0.4	v	2.0	2.2																								



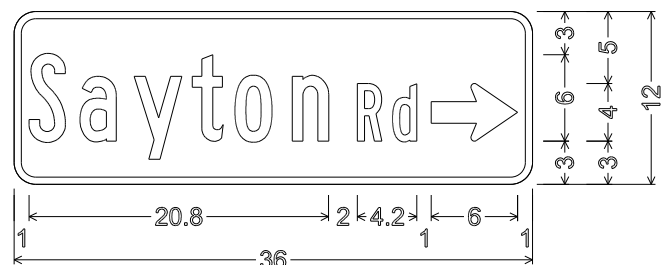
1.5" Radius, 0.5" Border, White on Green;  
 Standard Arrow Custom 6.0" X 4.0" 180°;  
 "Sayton" B; "Rd" B;  
 Table of widths and spaces.

1.0	←	6.0																															
	S	2.6	1.0	a	2.5	1.2	y	3.3	0.8	t	2.0	0.9	o	2.7	1.3	n	2.5																
	R	1.7	0.8	d	1.7	1.0																											



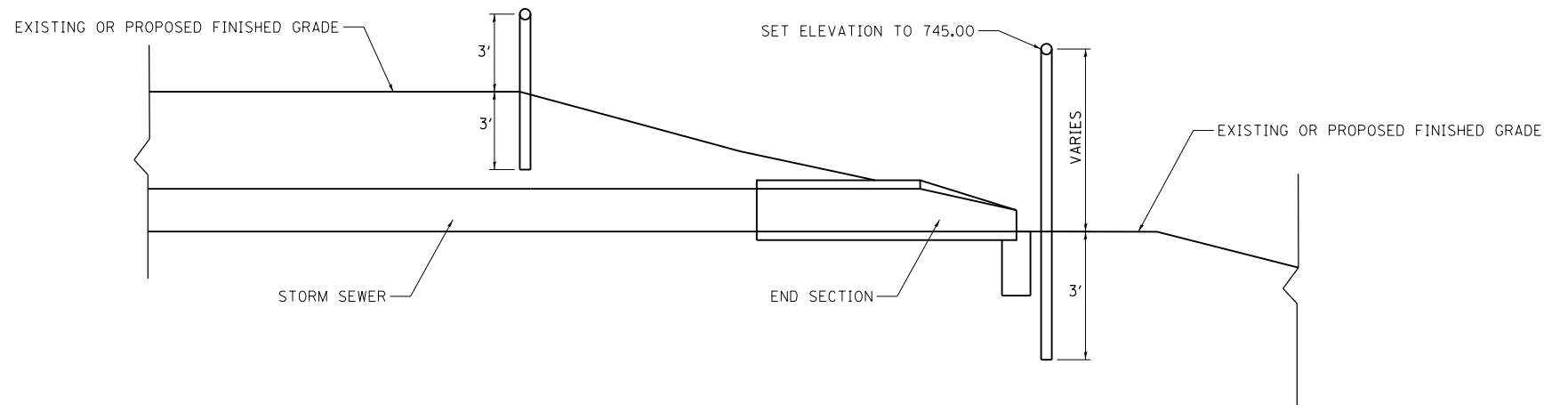
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 "Sayton" B; "Rd" B;  
 Table of widths and spaces.

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	R	1.7	0.8	d	1.7	1.5											



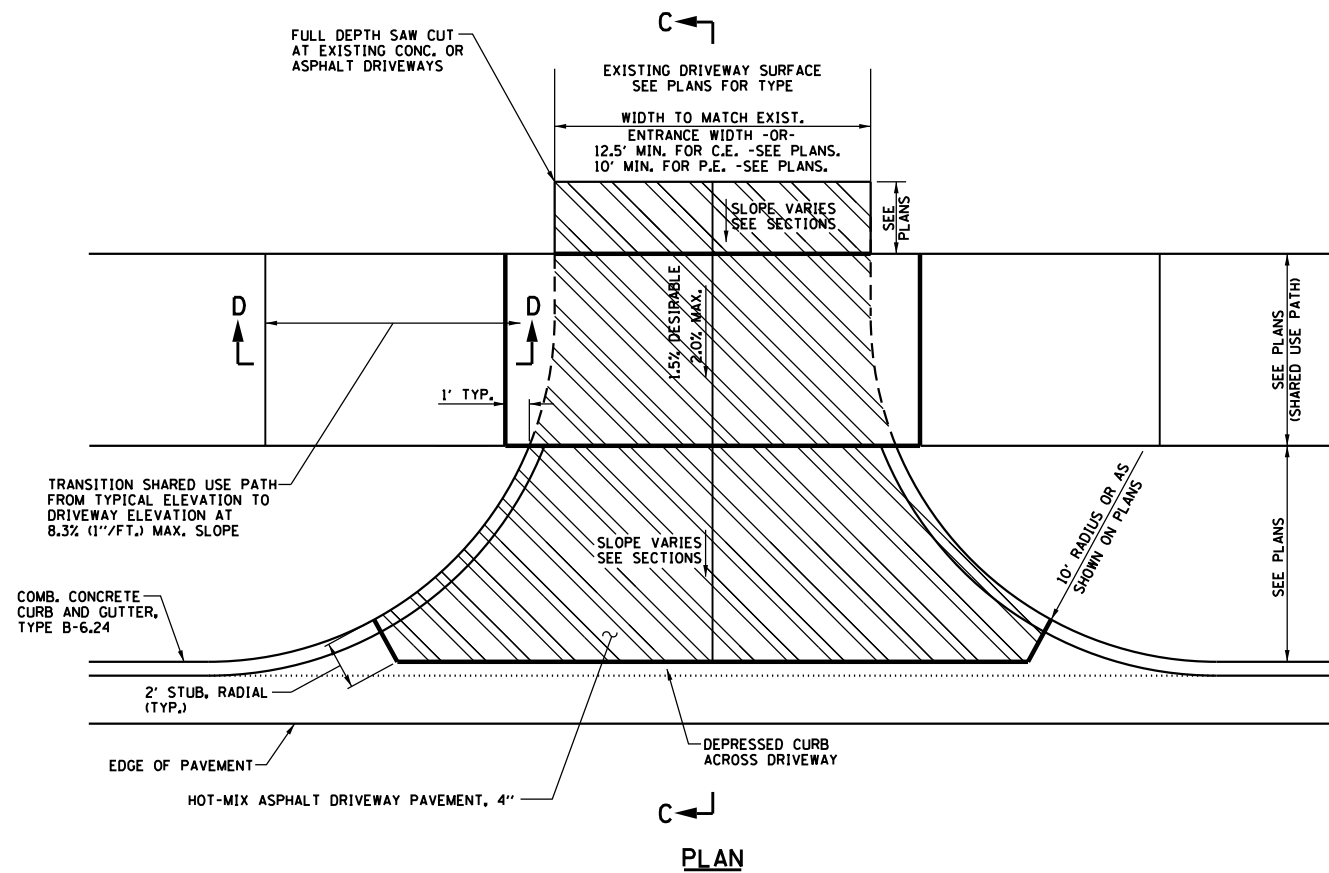
1.5" Radius, 0.5" Border, White on Green;  
 "Sayton" B; "Rd" B;  
 Standard Arrow Custom 6.0" X 4.0" 0°;  
 Table of widths and spaces.

1.0	S	2.6	1.0	a	2.5	1.2	y	3.3	0.8	t	2.0	0.9	o	2.7	1.3	n	2.5
	R	1.7	0.8	d	1.7	1.0	→	6.0	1.0								

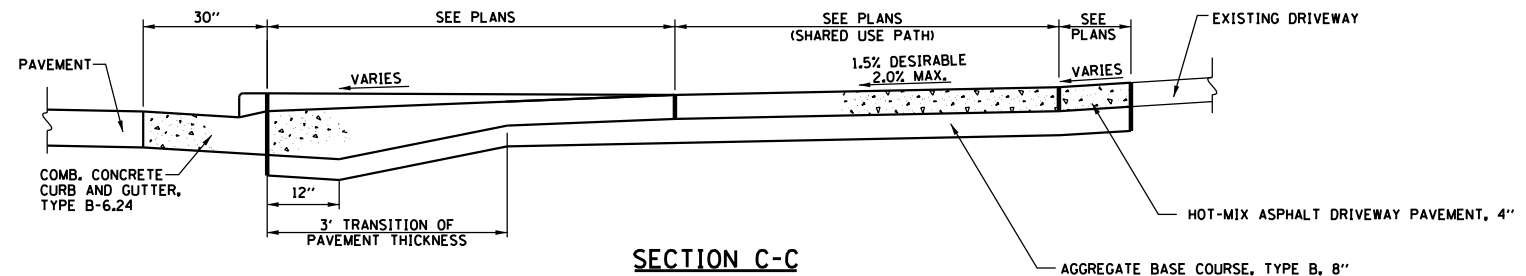


**DRAINAGE DELINEATOR DETAIL**

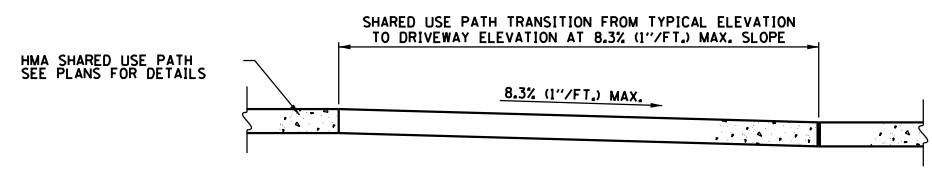




PLAN



SECTION C-C

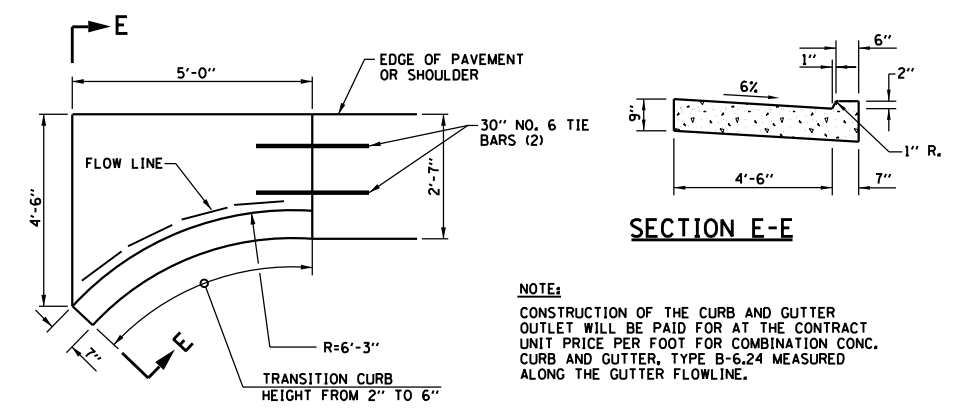


SECTION D-D

HMA DRIVEWAY PAVEMENT GENERAL NOTES

- THE COST OF CONSTRUCTING THE DEPRESSED CURB INCLUDING THE 2' STUB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE NORMAL CROSS SLOPES OF THE SHARED USE PATH SHALL BE 1.5% EXCEPT AT THE RAMP LOCATIONS.
- THE COST OF CONSTRUCTING THE HOT-MIX ASPHALT DRIVEWAY PAVEMENT THICKER WITH BINDER ADJACENT TO THE GUTTER AS SHOWN IN SECTION A-A WILL BE CONSIDERED INCLUDED IN THE COST OF THE HOT-MIX ASPHALT DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF CONSTRUCTING THE HOT-MIX ASPHALT SHARED USE PATH 4" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF HOT-MIX ASPHALT SHARED USE PATH 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**HOT-MIX ASPHALT DRIVEWAY DETAIL #1  
ADJACENT TO COMB. CONC. CURB & GUTTER, TYPE B-6.24  
(PRIVATE AND COMMERCIAL ENTRANCES)**

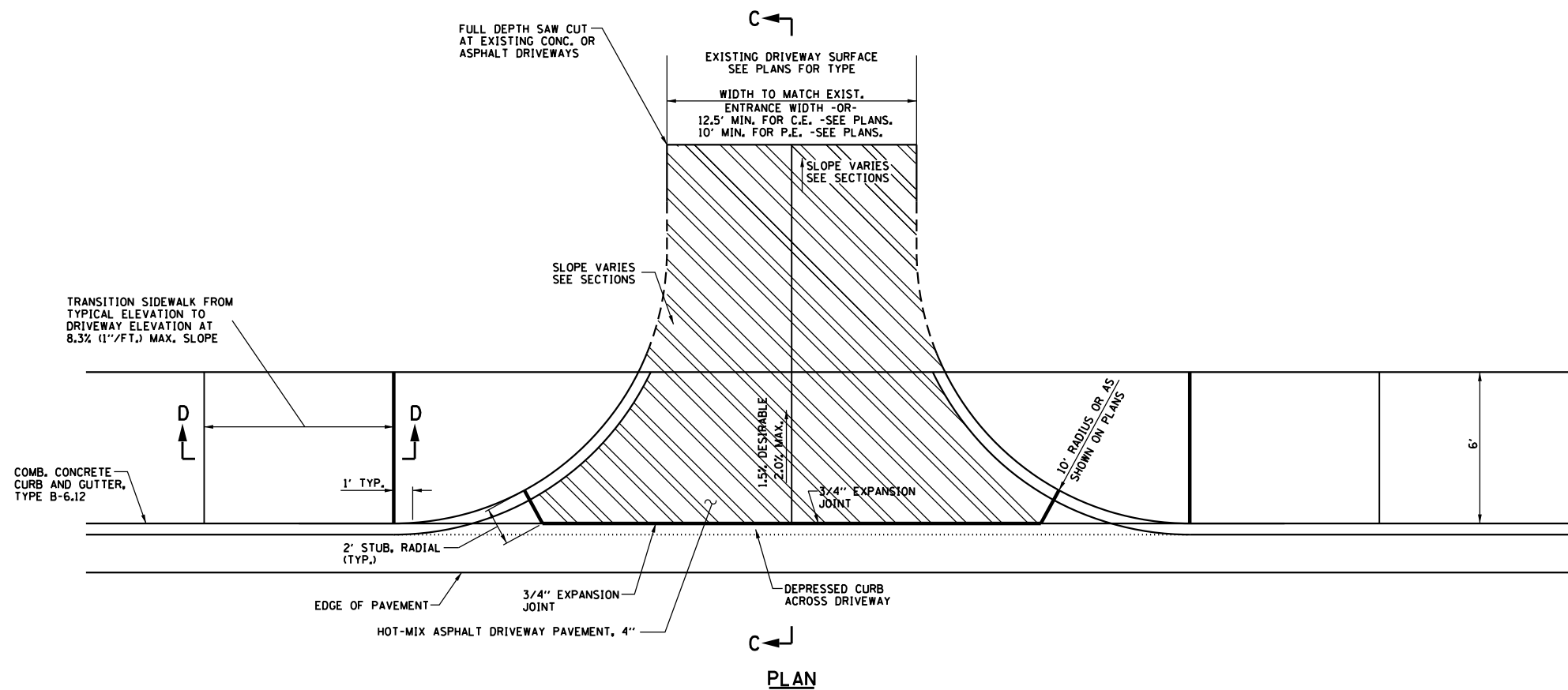


SECTION E-E

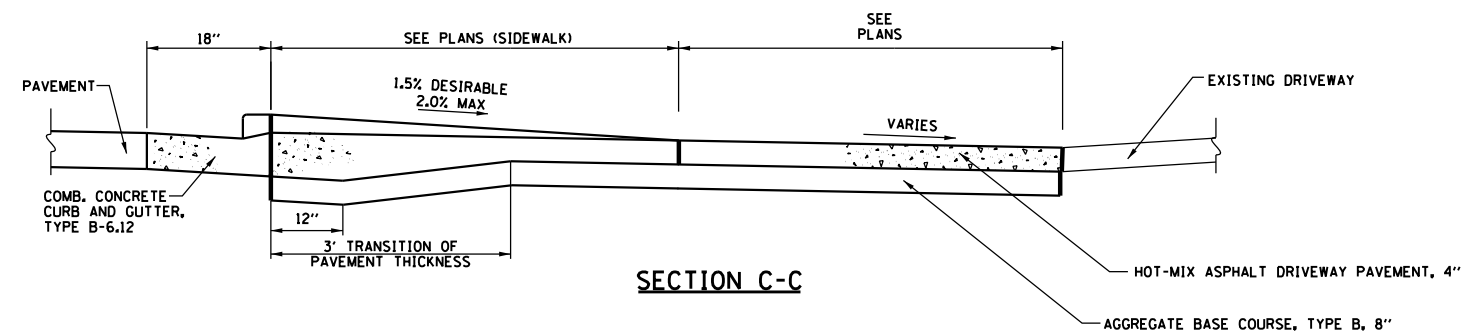
NOTE:  
CONSTRUCTION OF THE CURB AND GUTTER OUTLET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONC. CURB AND GUTTER, TYPE B-6.24 MEASURED ALONG THE GUTTER FLOWLINE.

**CURB & GUTTER OUTLET DETAIL**

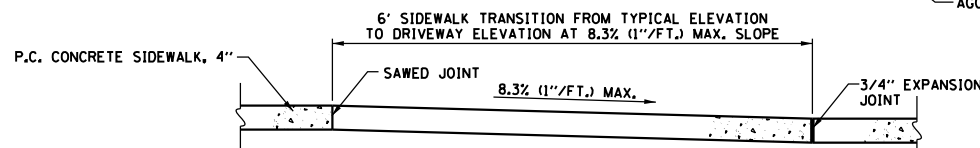
FILE NAME =	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY CONSTRUCTION DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\F0130545_Fox Lake - Sayton Road Phase II\Plans\CADD_Sheets\F01300545-sht-details-01.DWG	DRAWN - LMC	CHECKED -	REVISED -					151-152	04-00018-00-FP	LAKE	133	77
Default	PLOT SCALE = 2.0000' / in.	DATE -	REVISED -		SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 61C48				
	PLOT DATE = 2/14/2018		REVISED -		ILLINOIS FED. AID PROJECT							



PLAN



SECTION C-C



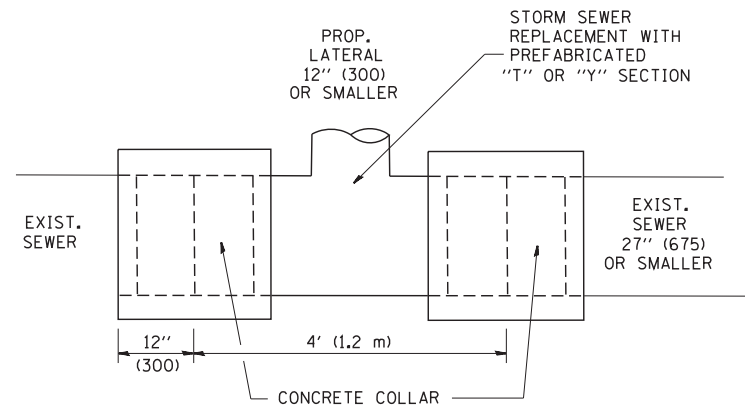
SECTION D-D

**HMA DRIVEWAY PAVEMENT GENERAL NOTES**

- THE COST OF CONSTRUCTING THE DEPRESSED CURB INCLUDING THE 2' STUB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE HOT-MIX ASPHALT DRIVEWAY THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING HOT-MIX ASPHALT DRIVEWAY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 1.5% EXCEPT AT THE RAMP LOCATIONS.
- THE COST OF CONSTRUCTING THE HOT-MIX ASPHALT DRIVEWAY PAVEMENT THICKER WITH BINDER ADJACENT TO THE GUTTER AS SHOWN IN SECTION A-A WILL BE CONSIDERED INCLUDED IN THE COST OF THE HOT-MIX ASPHALT DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 8" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF P.C. CONCRETE SIDEWALK 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

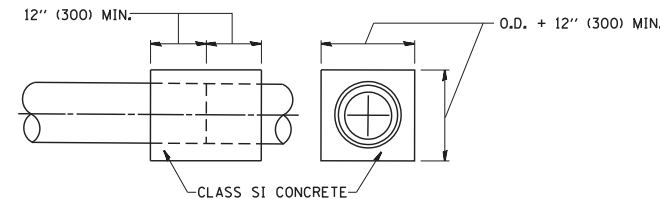
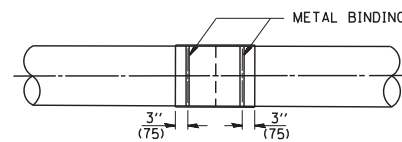
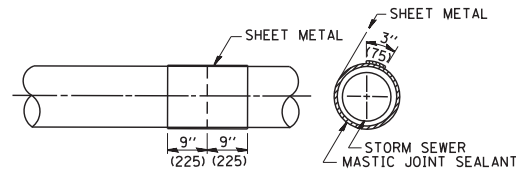
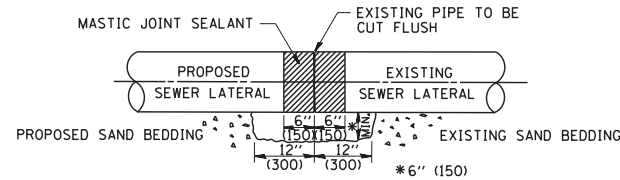
**HOT-MIX ASPHALT DRIVEWAY DETAIL #2  
ADJACENT TO COMB. CONC. CURB & GUTTER, TYPE B-6.12  
(PRIVATE AND COMMERCIAL ENTRANCES)**

FILE NAME =	USER NAME = ANinoFlores	DESIGNED - AEA	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY CONSTRUCTION DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\F0130545_Fox Lake - Sayton Road Phase	I:\Plans\CADD_Sheets\F01300545-sht-details	DRAWN - LMC	REVISED -			151-152	04-00018-00-FP	LAKE	133	78	
Default	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 61C48					
	PLOT DATE = 2/14/2018	DATE -	REVISED -			SCALE: NTS	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



**DETAIL "A"**

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

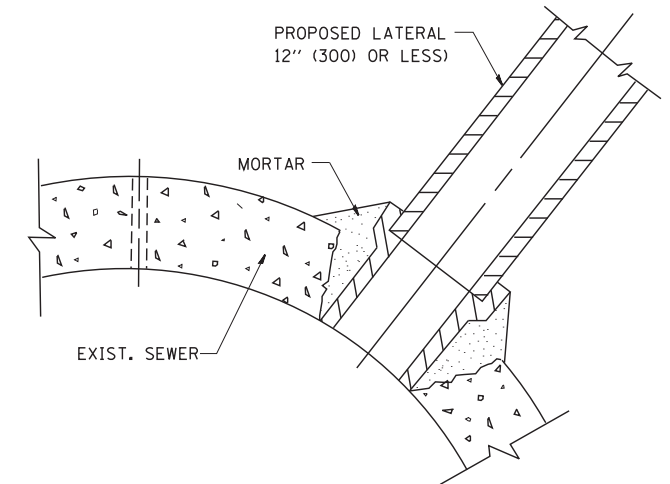


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



**DETAIL "C"**

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

**NOTES**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

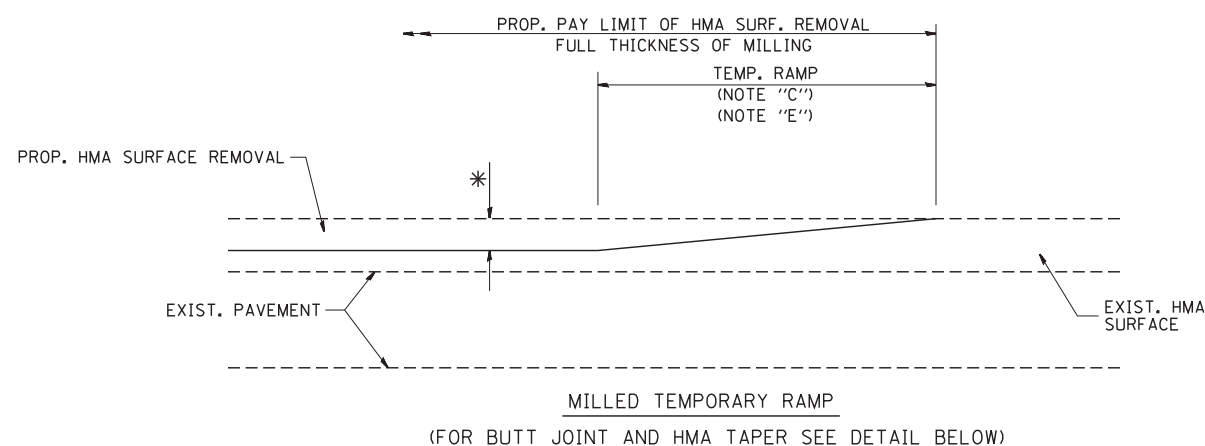
FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = geglionbt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

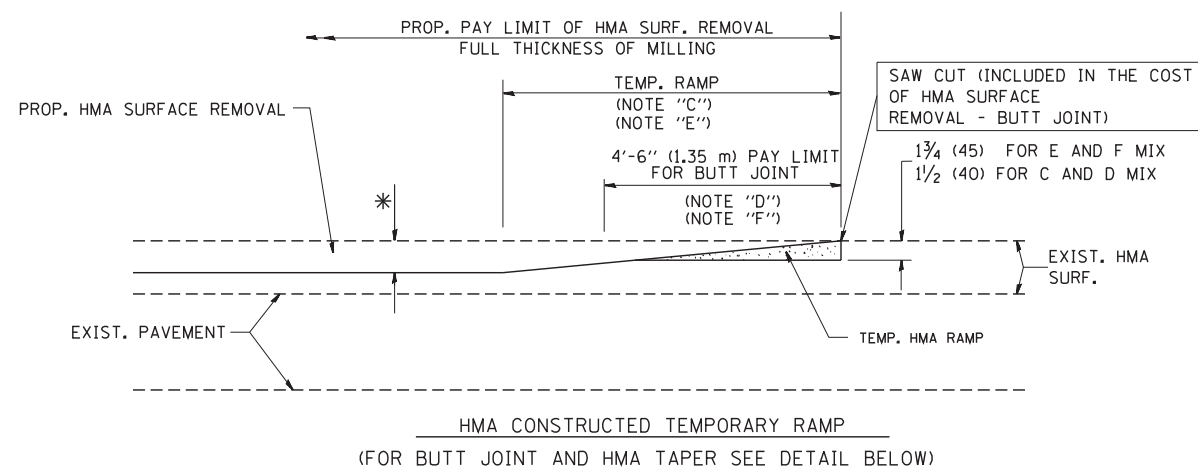
**DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	79
<b>BD500-01 (BD-7)</b>		CONTRACT NO.	61C48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

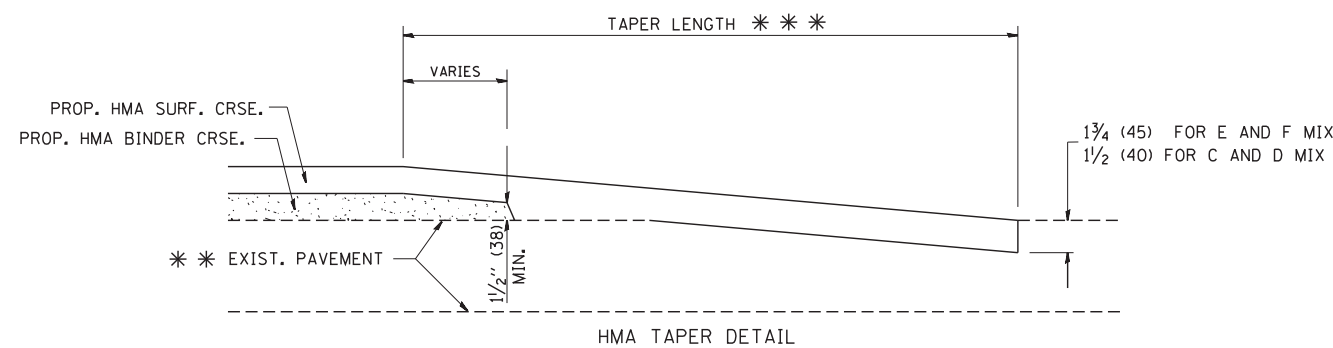
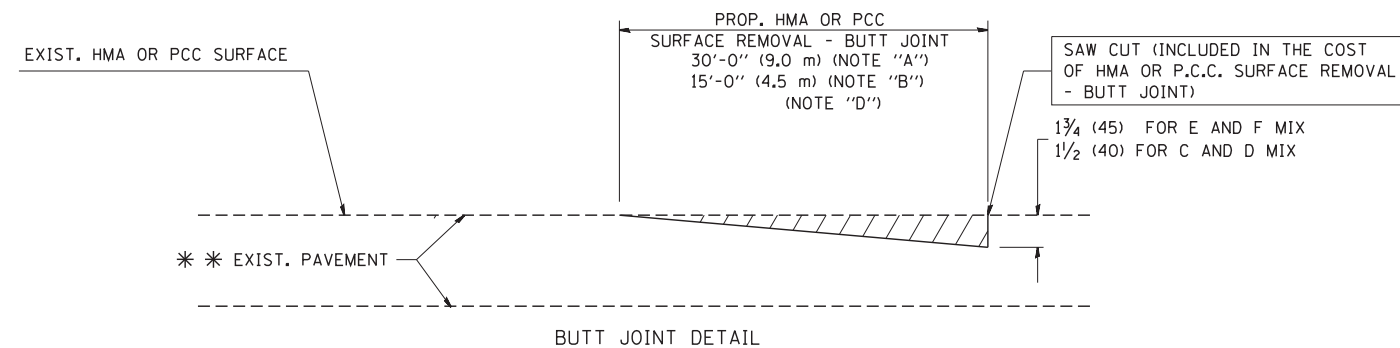


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\* \* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

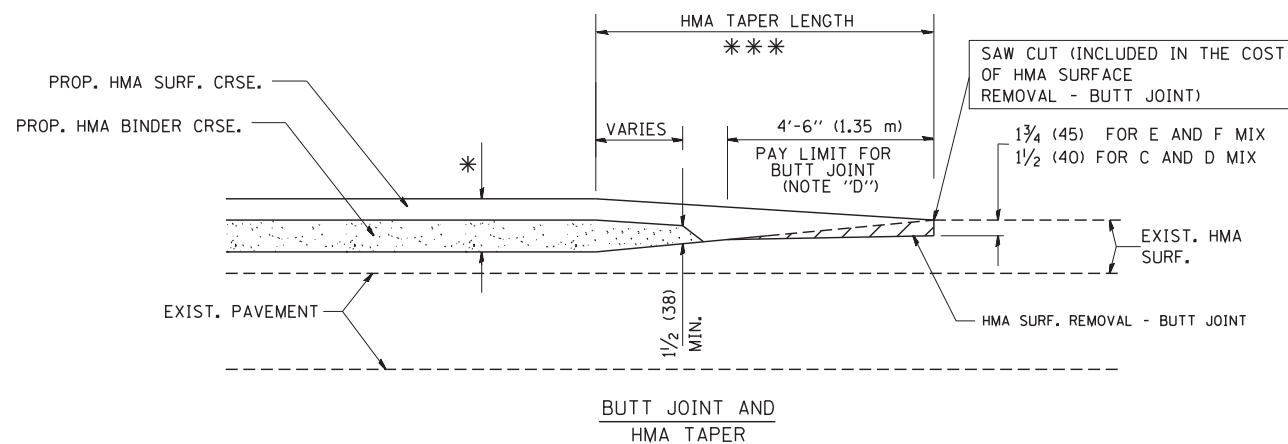
**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \* \* \* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

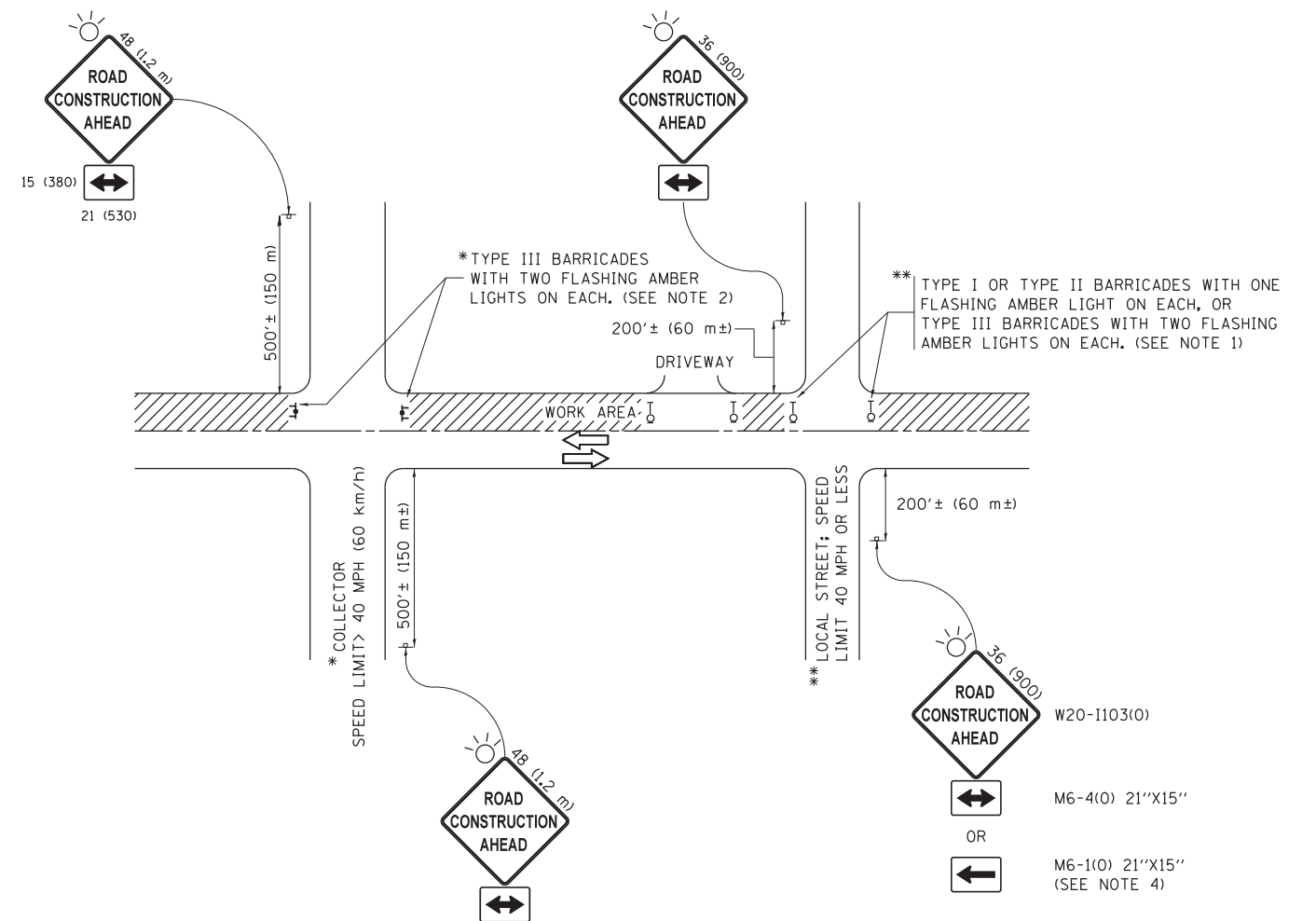
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 80
BD400-05 BD32		CONTRACT NO.	61C48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

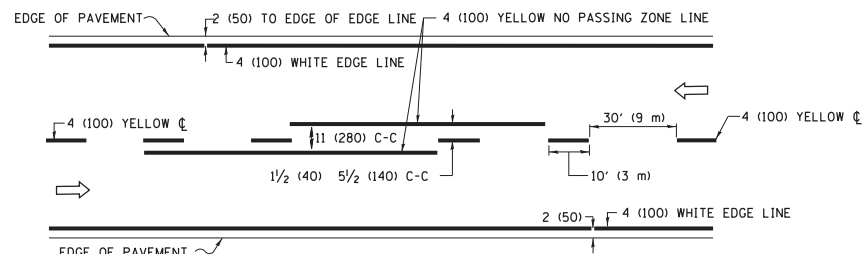
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p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\084EBIDINTEG\CADD\to\CAD\sheets\10.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

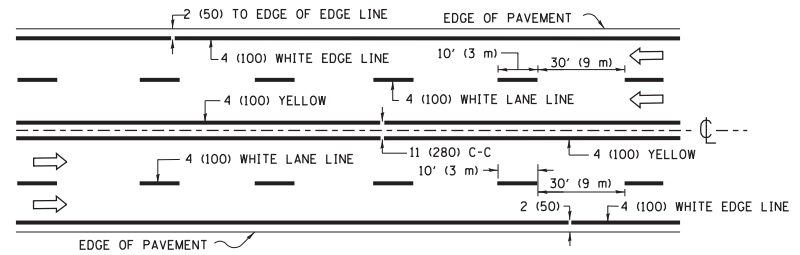
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 3 OF 9 SHEETS STA. TO STA.

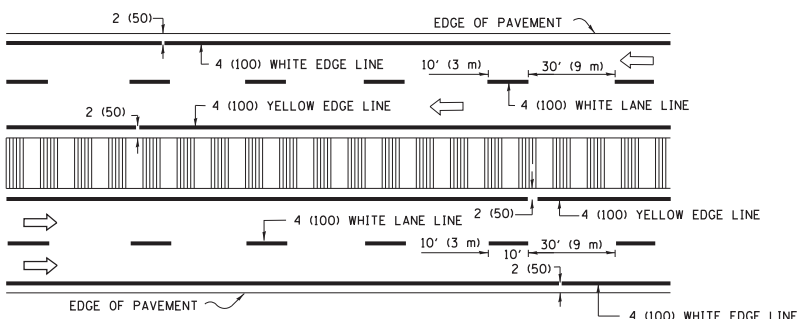
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	81
<b>TC-10</b>			<b>CONTRACT NO. 61C48</b>	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

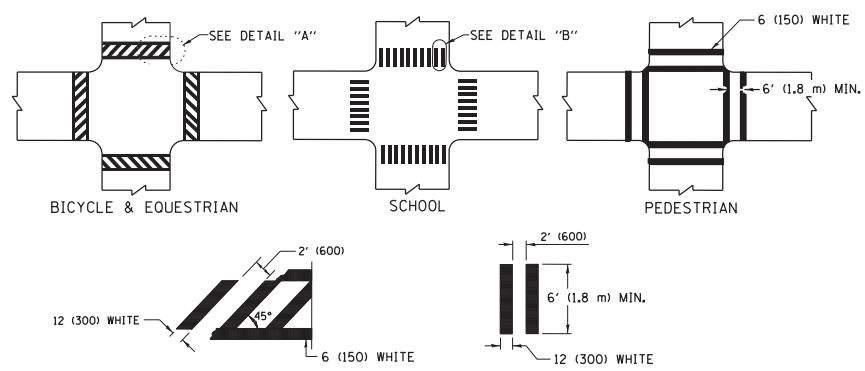


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

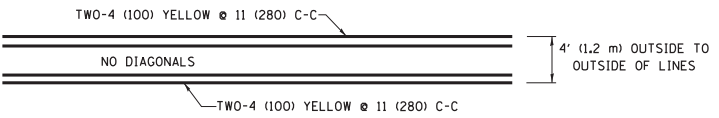


**DETAIL "A"**

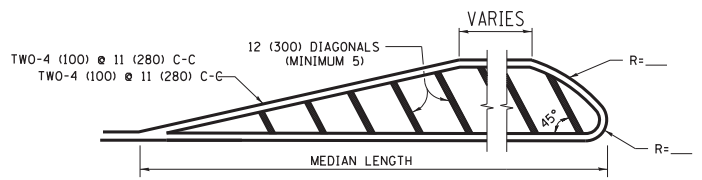
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



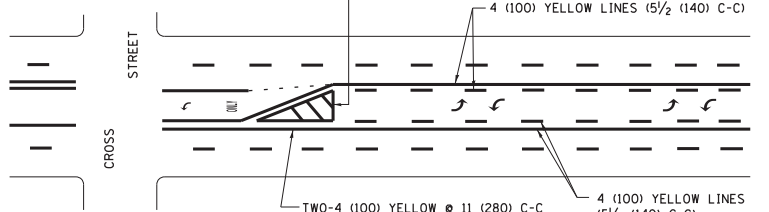
**4' (1.2 m) WIDE MEDIANS ONLY**



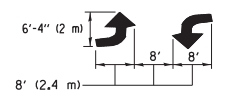
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS OVER 4' (1.2 m) WIDE**

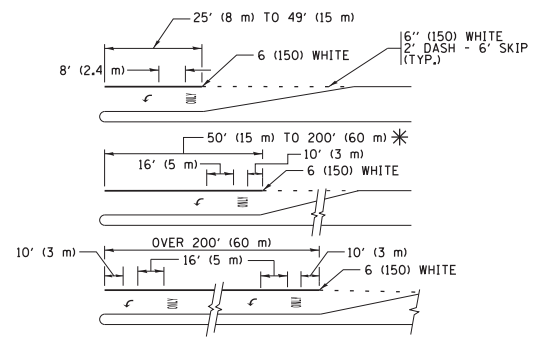


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

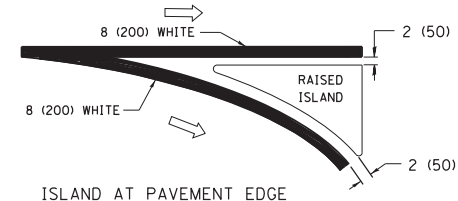
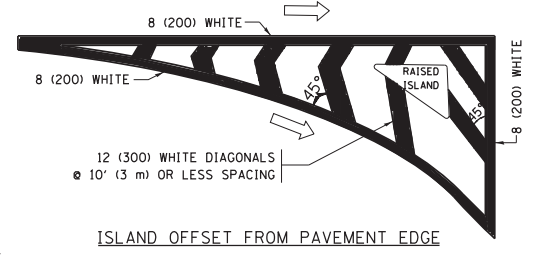


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

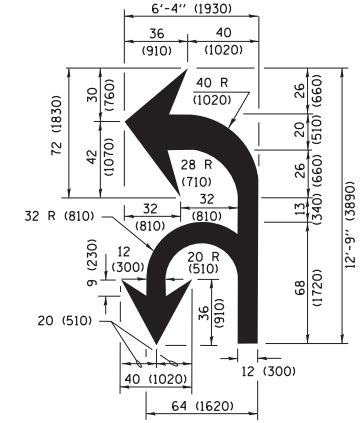
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

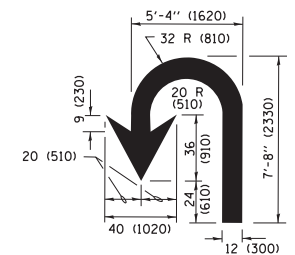
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

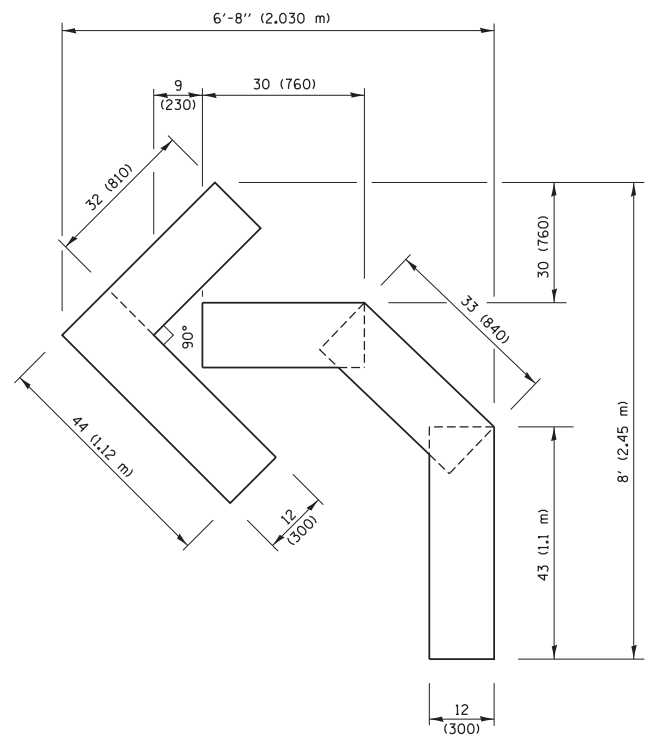
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	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

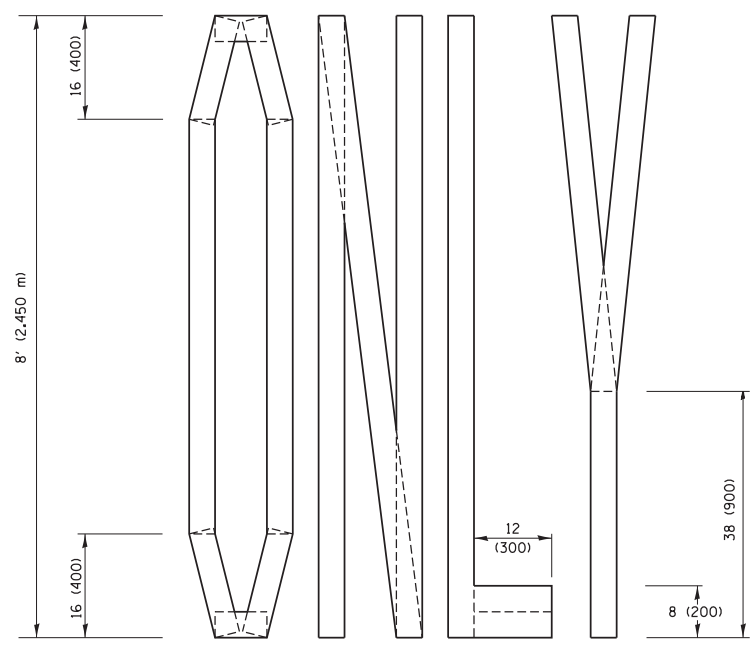
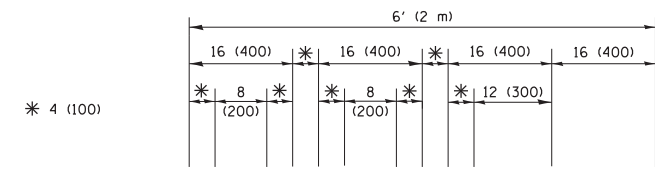
**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 4 OF 9 SHEETS STA. TO STA.

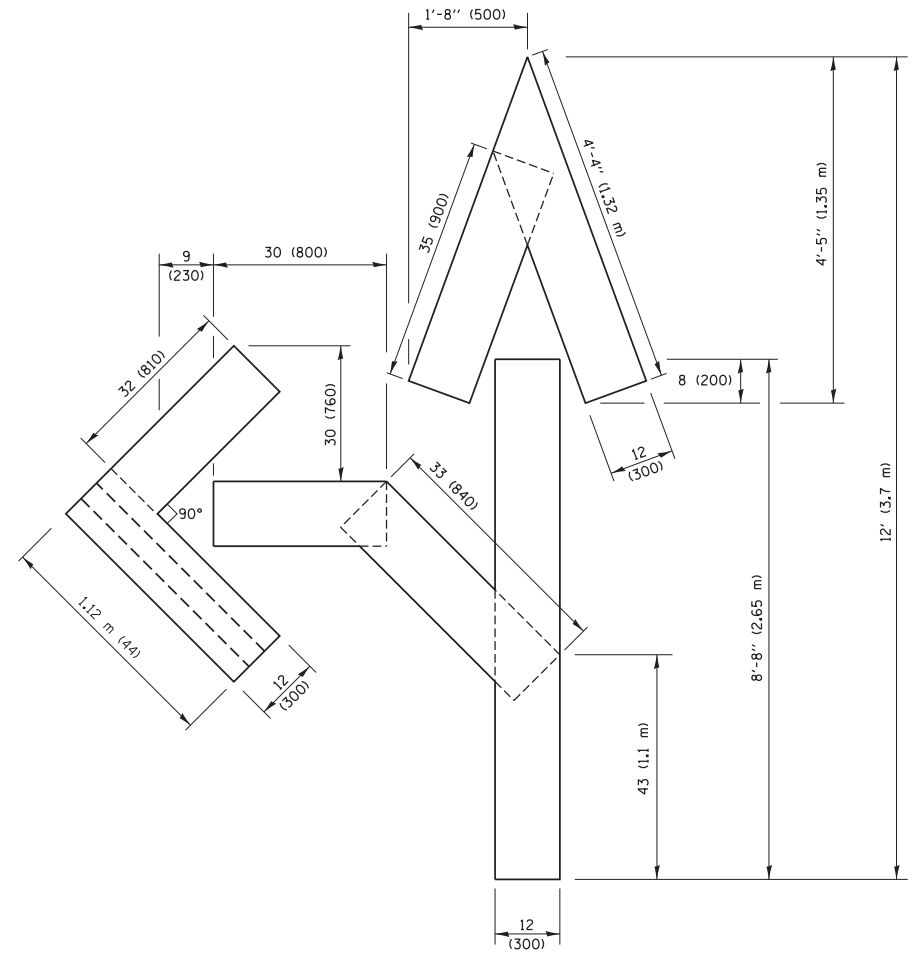
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	82
<b>TC-13</b>		<b>CONTRACT NO.</b>	61C48	
ILLINOIS FED. AID PROJECT				



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

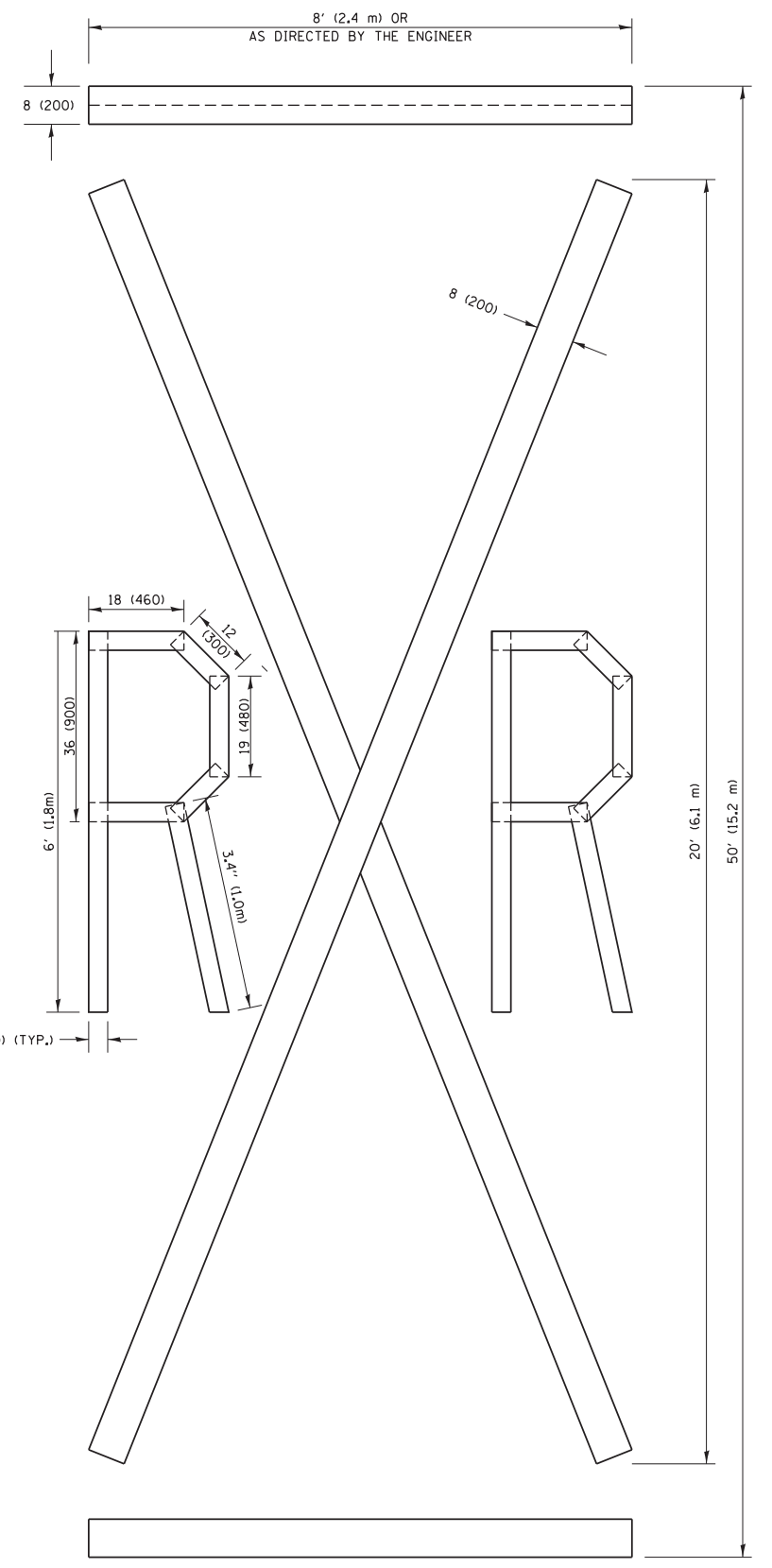


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

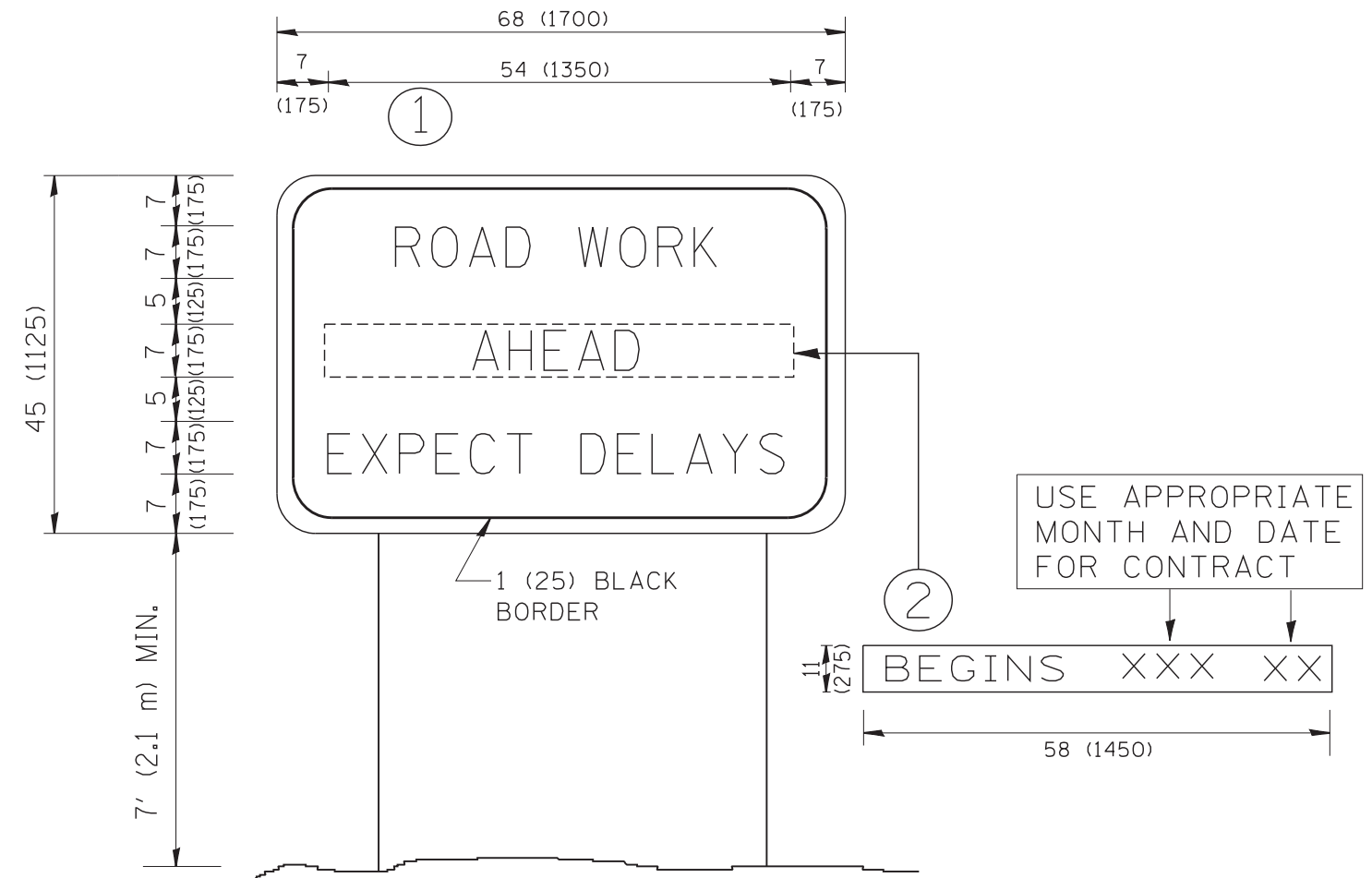
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\084EBIDINTEG\CADD\Drawings\TC16.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		PLOT SCALE = 50.0000' / in.	REVISED - E. GOMEZ 08-28-00
		PLOT DATE = 9/15/2016	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 5 OF 9 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	83
<b>TC-16</b>		<b>CONTRACT NO.</b>	61C48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

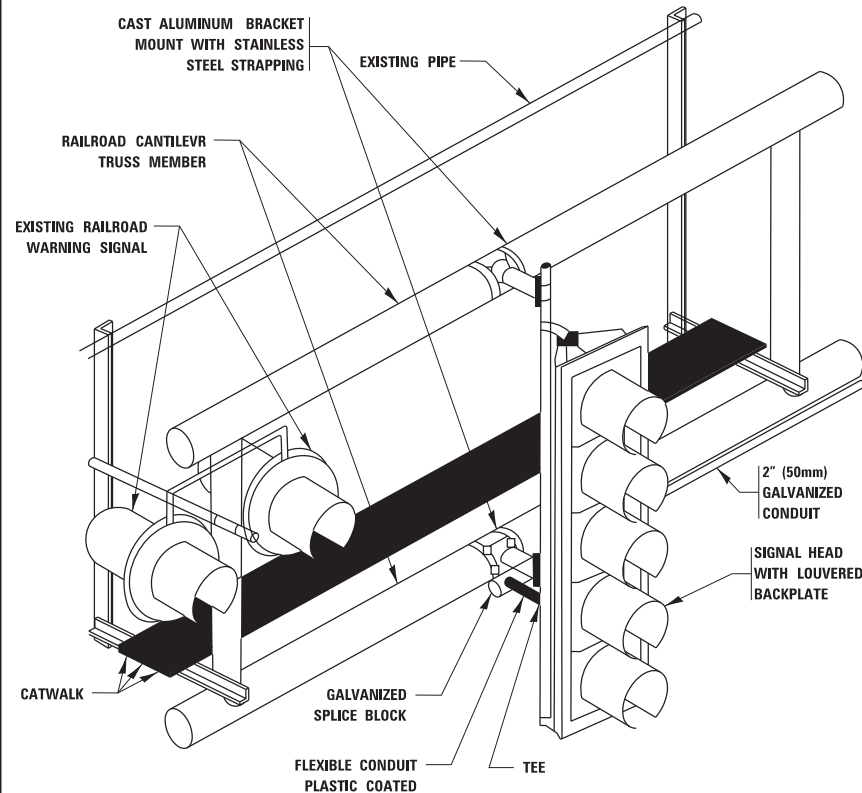


**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>		F.A.U. RTE. 151-152	SECTION 04-00018-00-FP	COUNTY LAKE	TOTAL SHEETS 133	SHEET NO. 84	
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 6 OF 9 SHEETS	STA.	TO STA.	<b>TC-22</b>		CONTRACT NO. 61C48	
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							



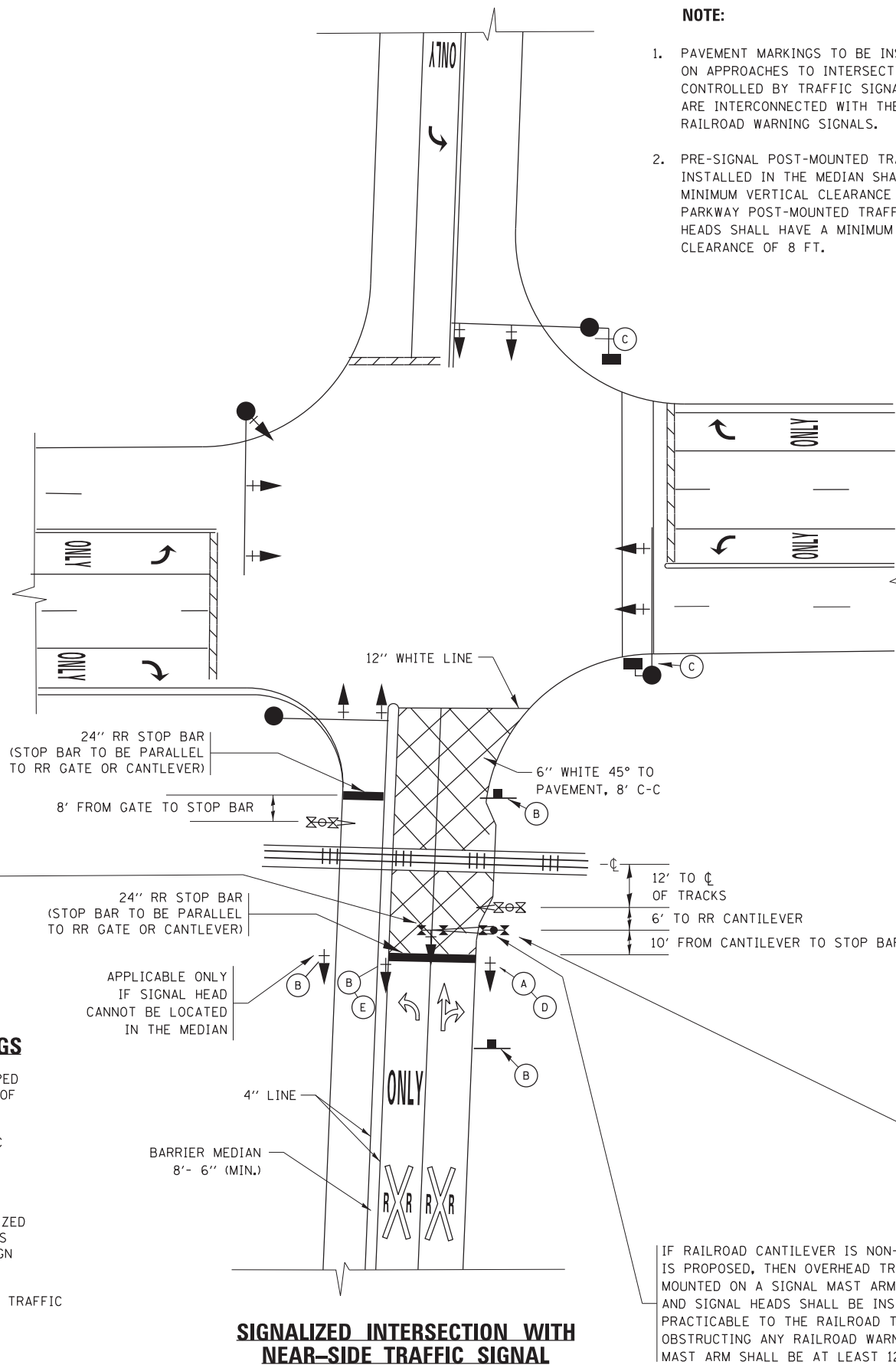
**RAILROAD CANTILEVER SIGNAL HEAD MOUNTING**  
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION  
 N.T.S.

**SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS**

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

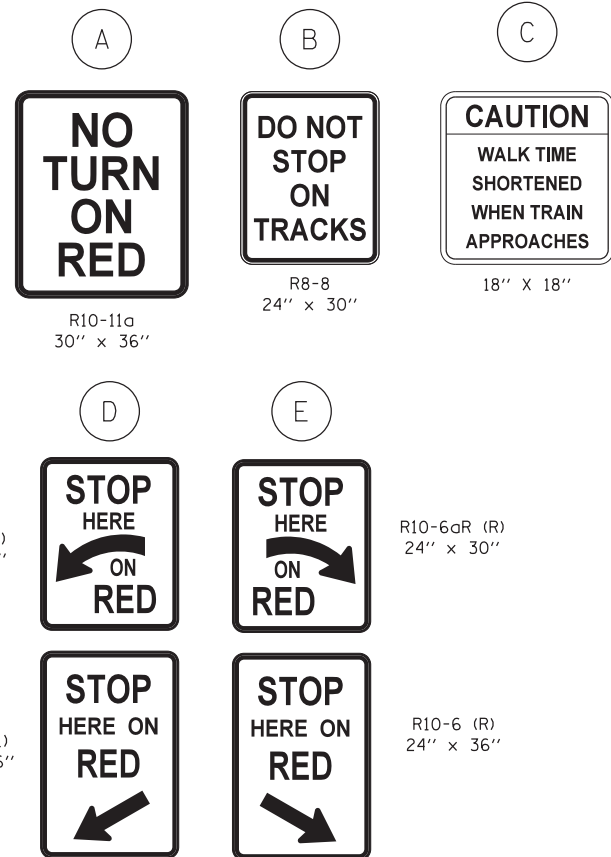
THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



**SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL**

**NOTE:**

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.



**SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL**

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 02-25-11
p:\work\11084EBID\INTEG\Illinois.gov\PIWID\Documents\DOT Offices\District 1\Projects\Dist 1\DRAWN\CADDData\CADsheets\tc23.dgn		CHECKED -	REVISED - 04-26-12
Default	PLOT SCALE = 50.000' / in.	DATE -	REVISED - A.R. 07-11-16
	PLOT DATE = 1/3/2017		REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

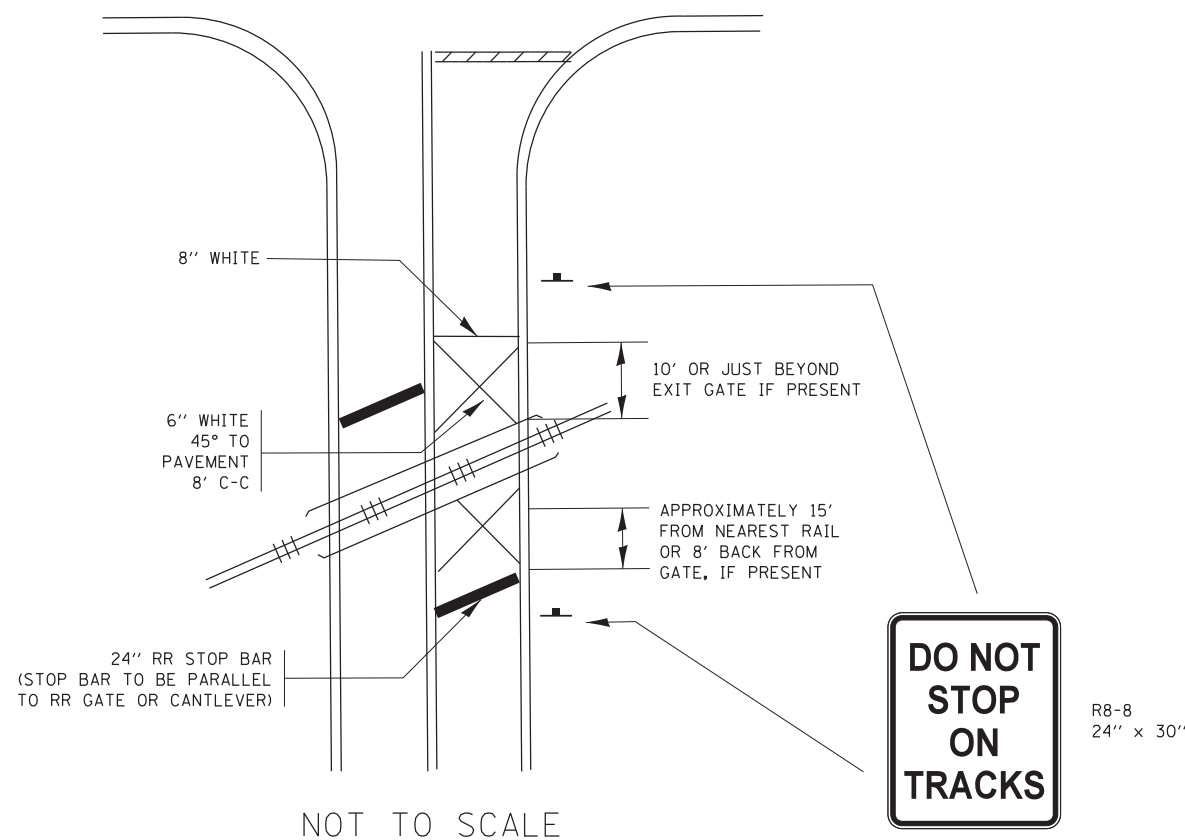
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING  
TREATMENT FOR RAILROAD CROSSINGS

SCALE: NONE SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	85
TC-23		CONTRACT NO.	61C48	
ILLINOIS FED. AID PROJECT				

# TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

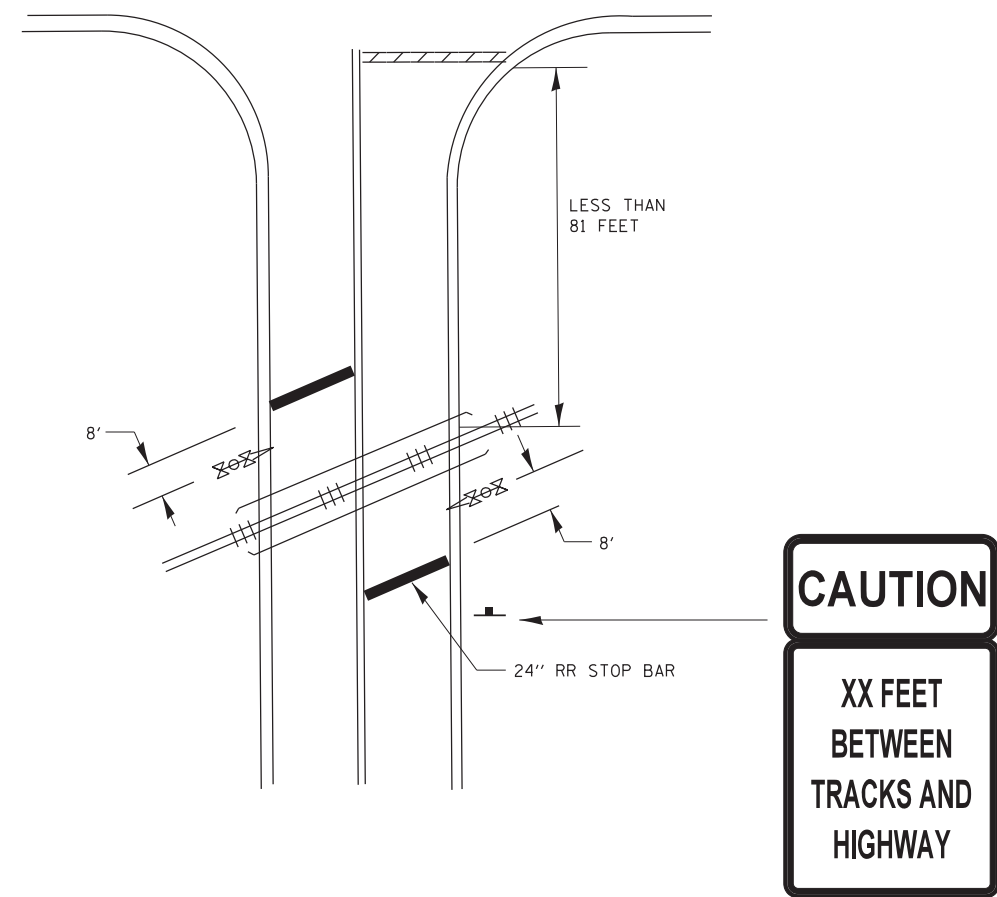
## WITH SIGNALIZED INTERSECTION



**NOTE:**

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

## WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



**NOTE:**

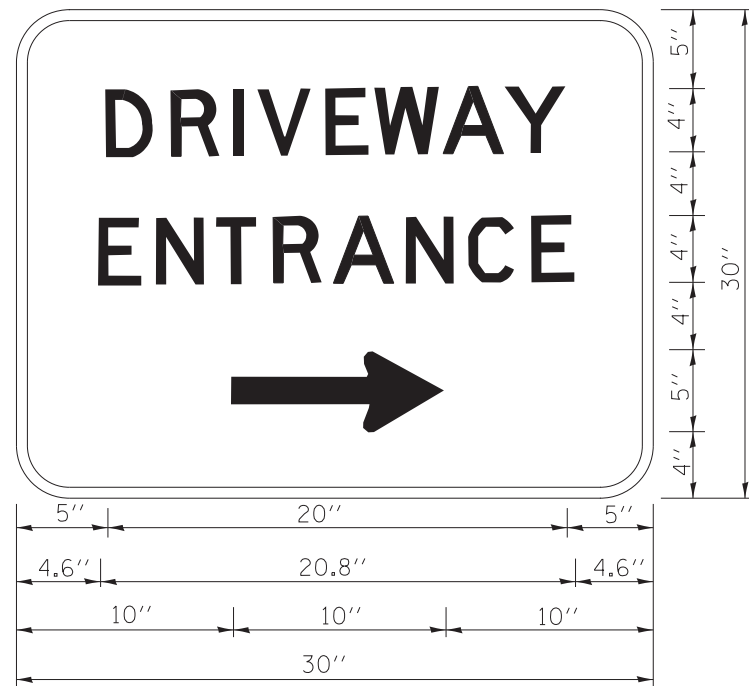
1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 02-25-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS</b>	F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\TEG\11\inois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWING\CADD\to\CAD\sheets\tc23.dgn		CHECKED -	REVISED - 04-26-12			151-154	04-00018-00-FP	LAKE	133	86
Default	PLOT DATE = 1/3/2017	DATE -	REVISED - A.R. 07-11-16			<b>TC-23</b>	CONTRACT NO.		61C48	

SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)  
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

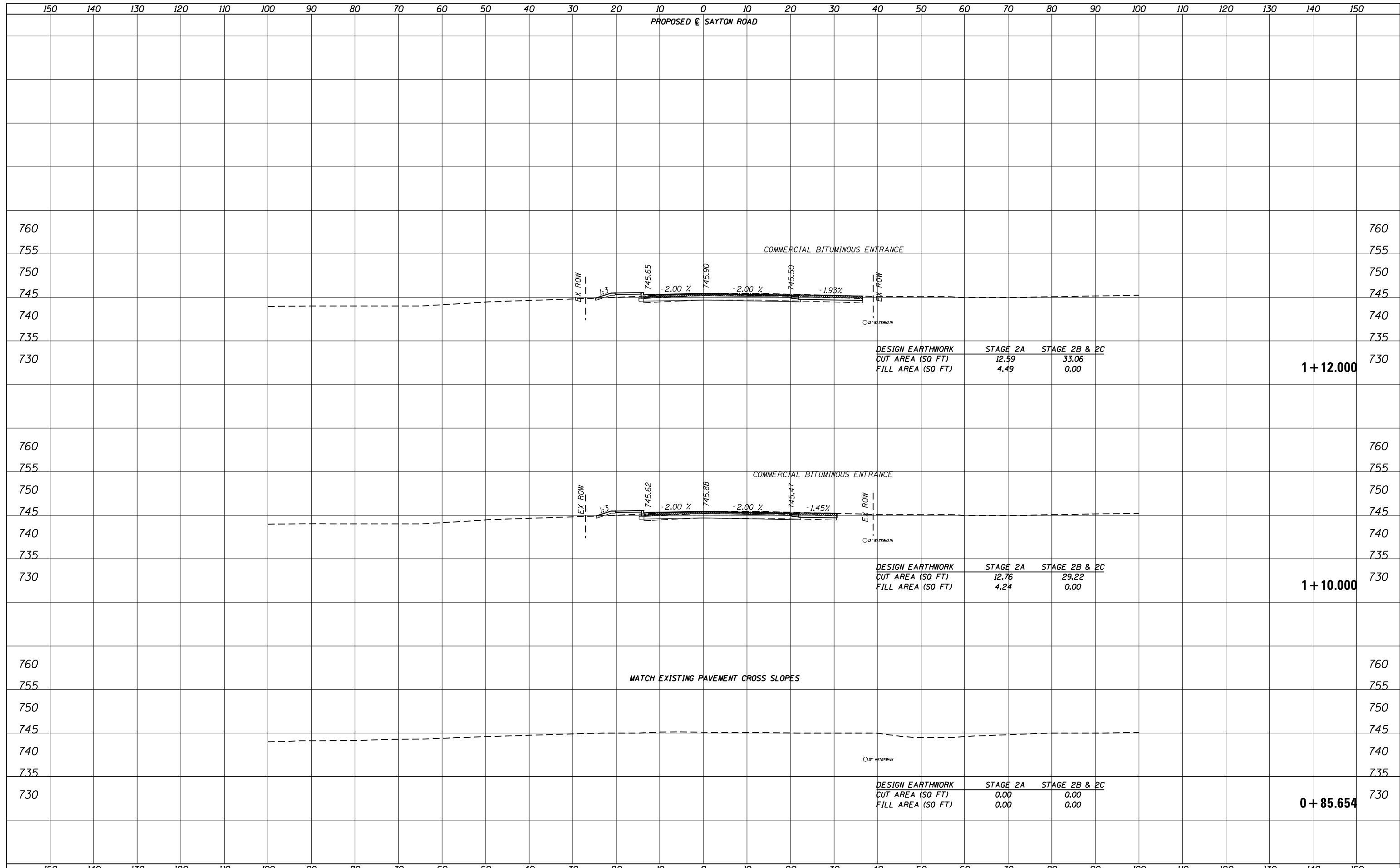
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	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET NO. 9 OF 9 SHEETS STA. TO STA.

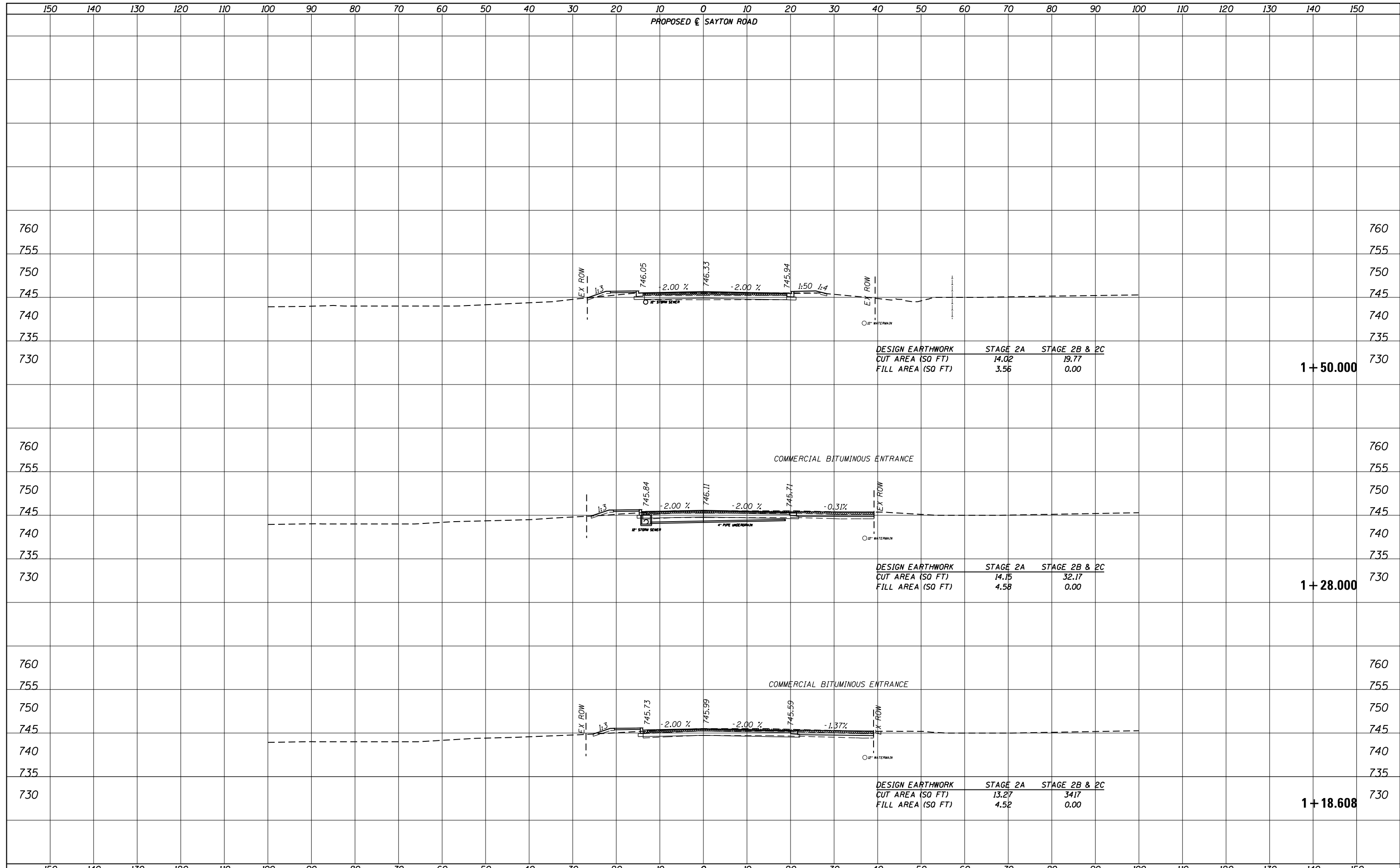
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	87
<b>TC-26</b>			<b>CONTRACT NO. 61C48</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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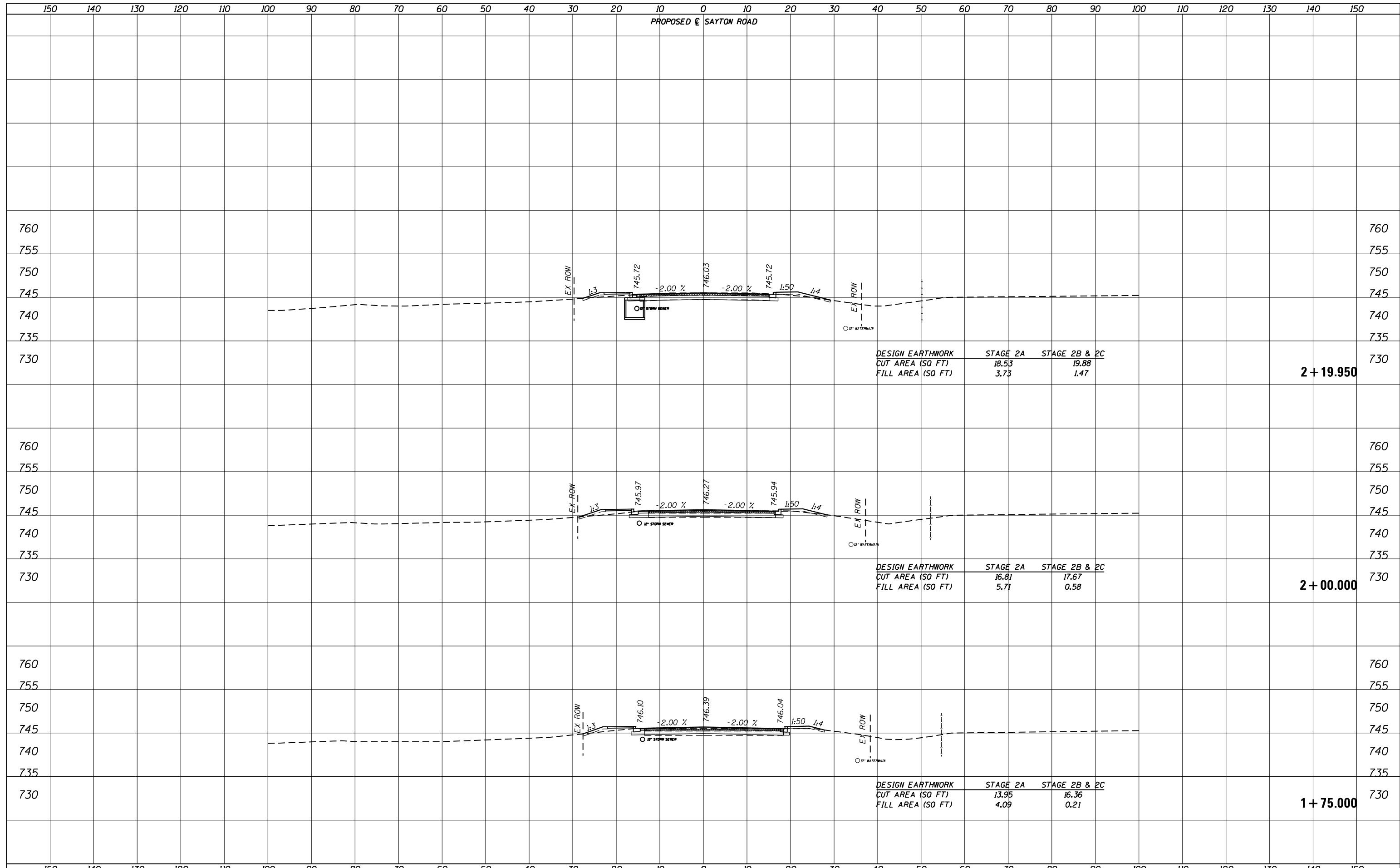
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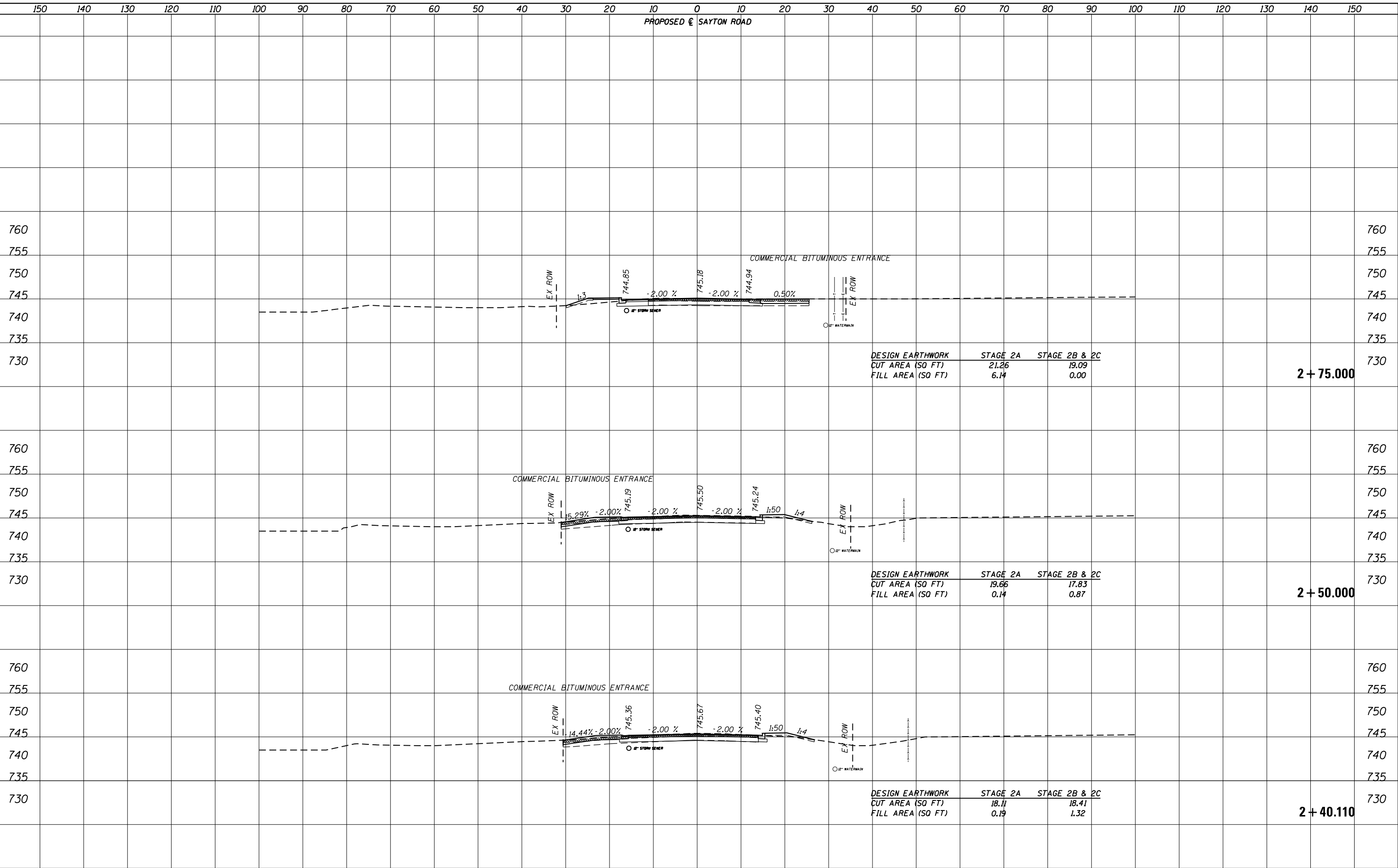
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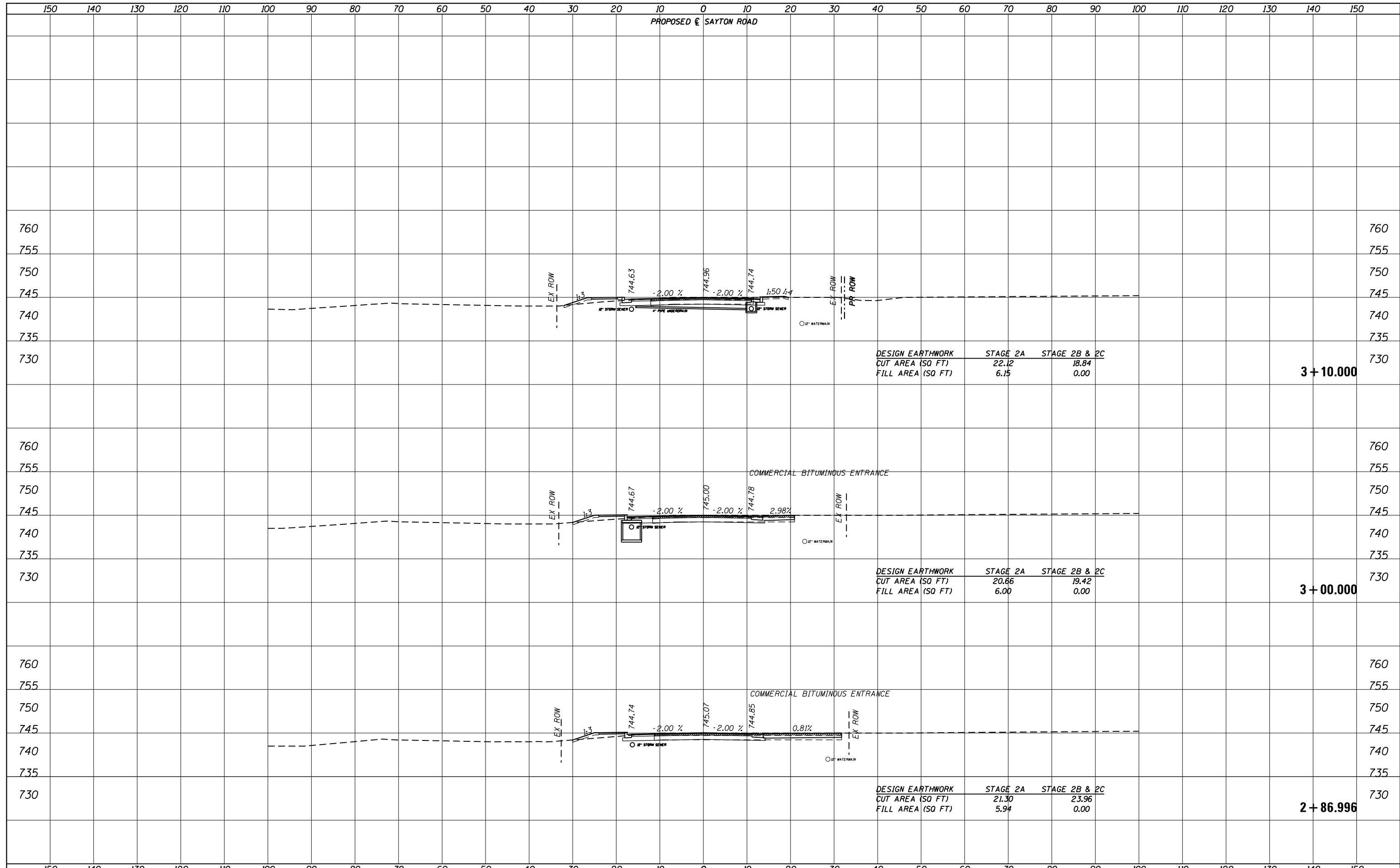
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

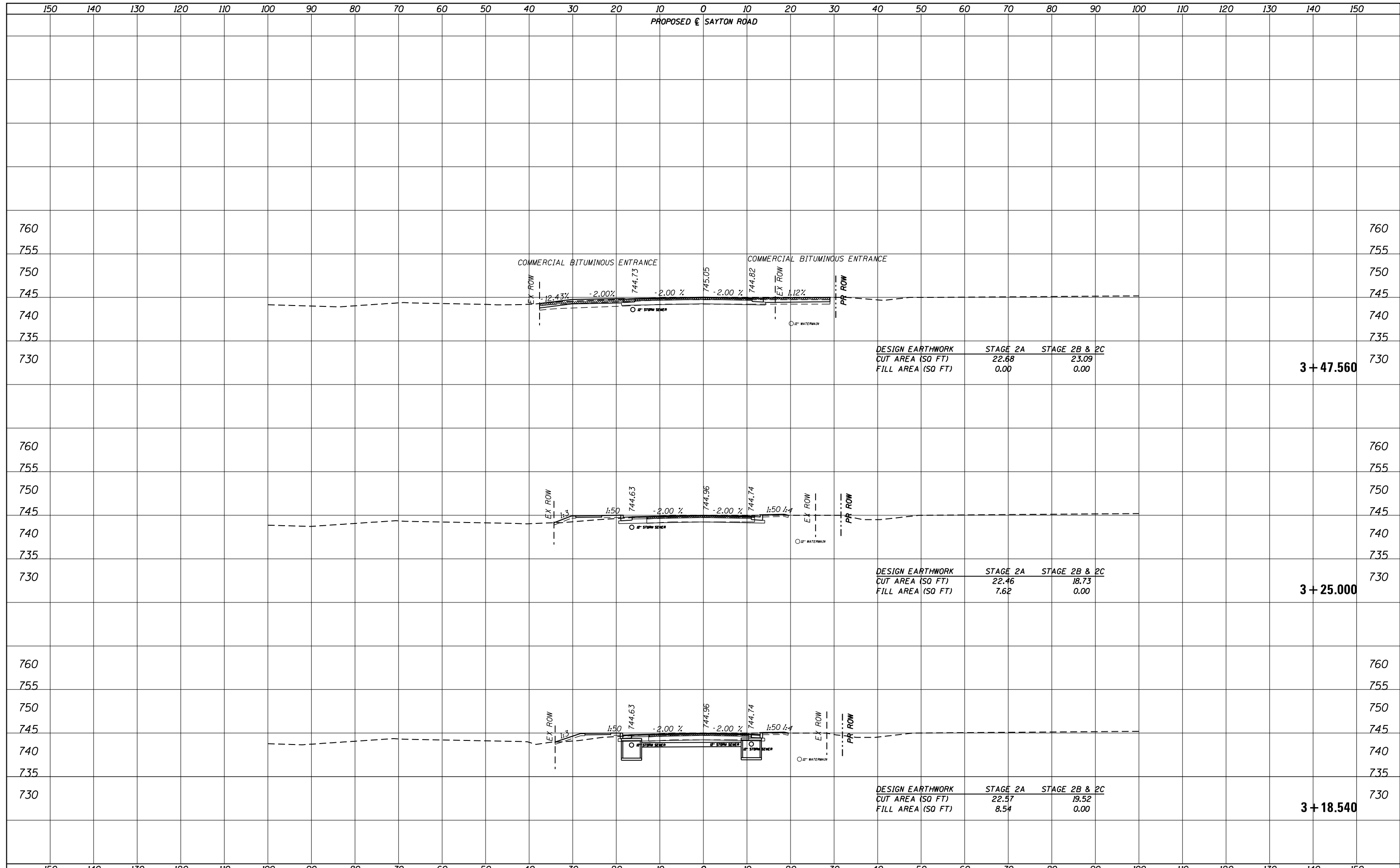
<b>CROSS SECTIONS SAYTON ROAD (E-W)</b>			
SCALE:	SHEET 4	OF 29 SHEETS	STA. 2+40.110 TO STA. 2+75.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	91
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



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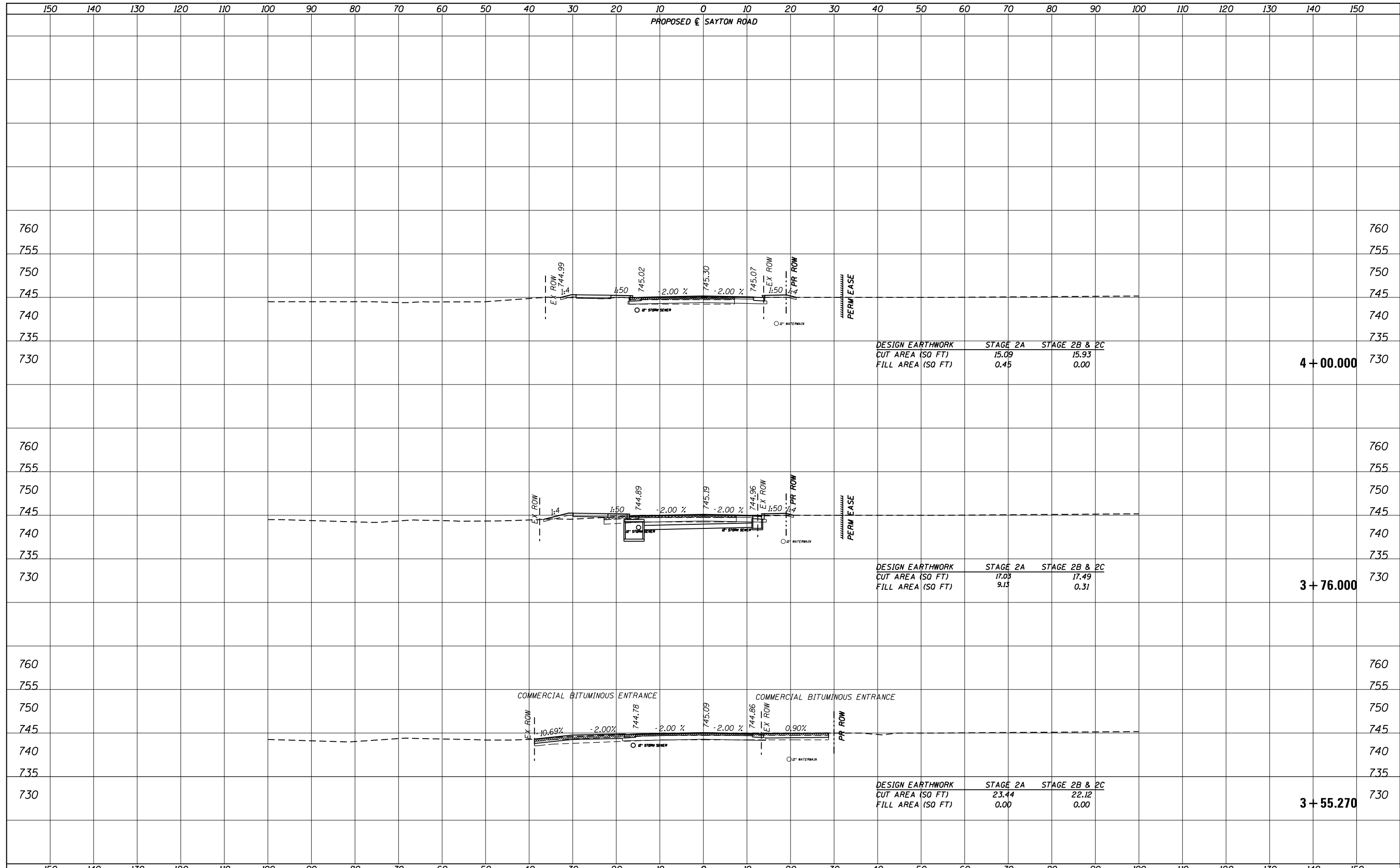
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DRAWN -	REVISOR -	REVISOR -
PLLOT SCALE = 20.0000' / in.	CHECKED -	REVISOR -
DATE = 2/14/2018	DATE -	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
SAYTON ROAD (E-W)**

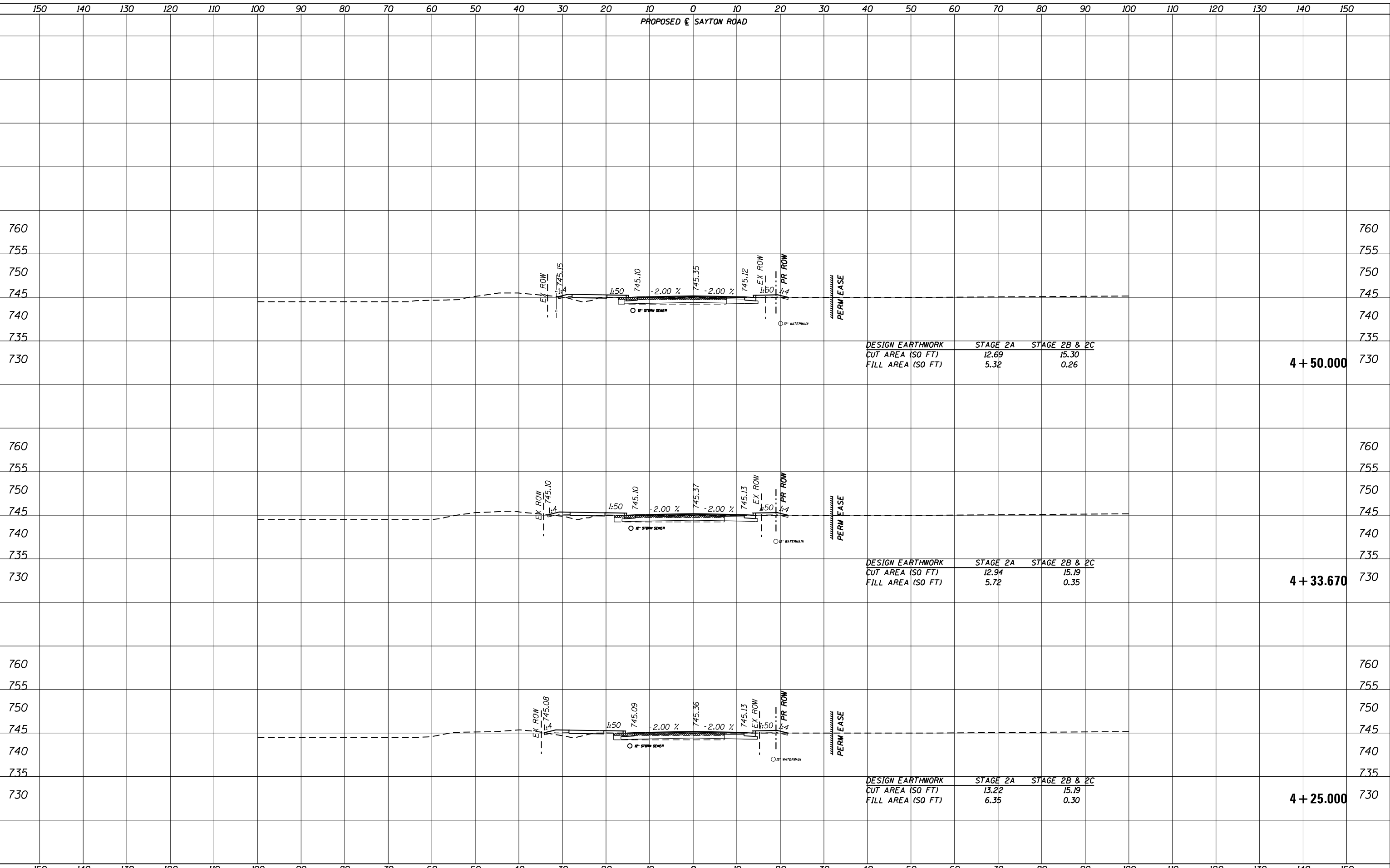
SCALE: SHEET 6 OF 29 SHEETS STA. 3+18.540 TO STA. 3+47.560

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	93
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



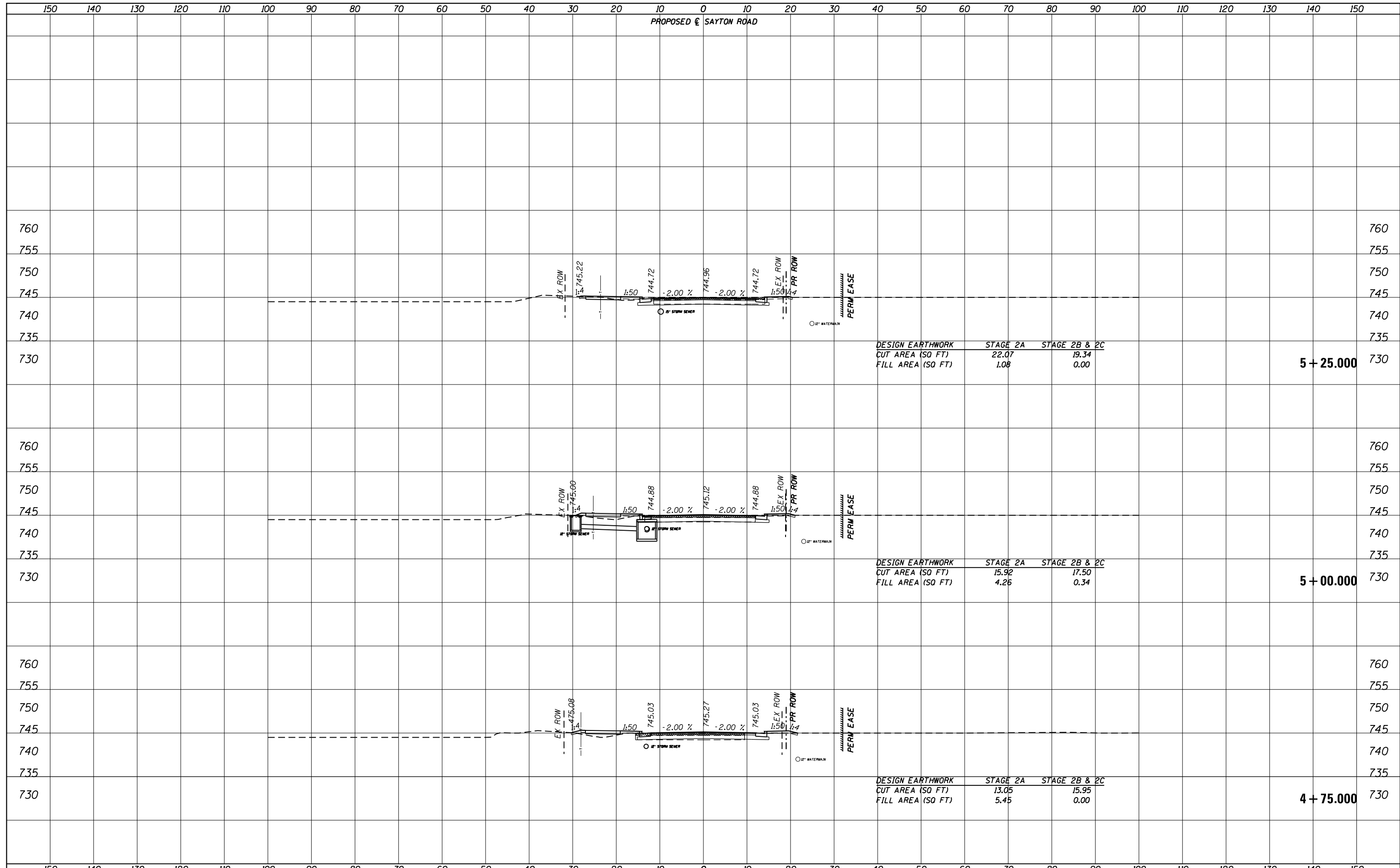
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ORIGINAL SURVEY	
NOTE BOOK	
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DESIGN EARTHWORK	STAGE 2A	STAGE 2B & 2C
CUT AREA (SQ FT)	22.07	19.34
FILL AREA (SQ FT)	1.08	0.00

5 + 25.000

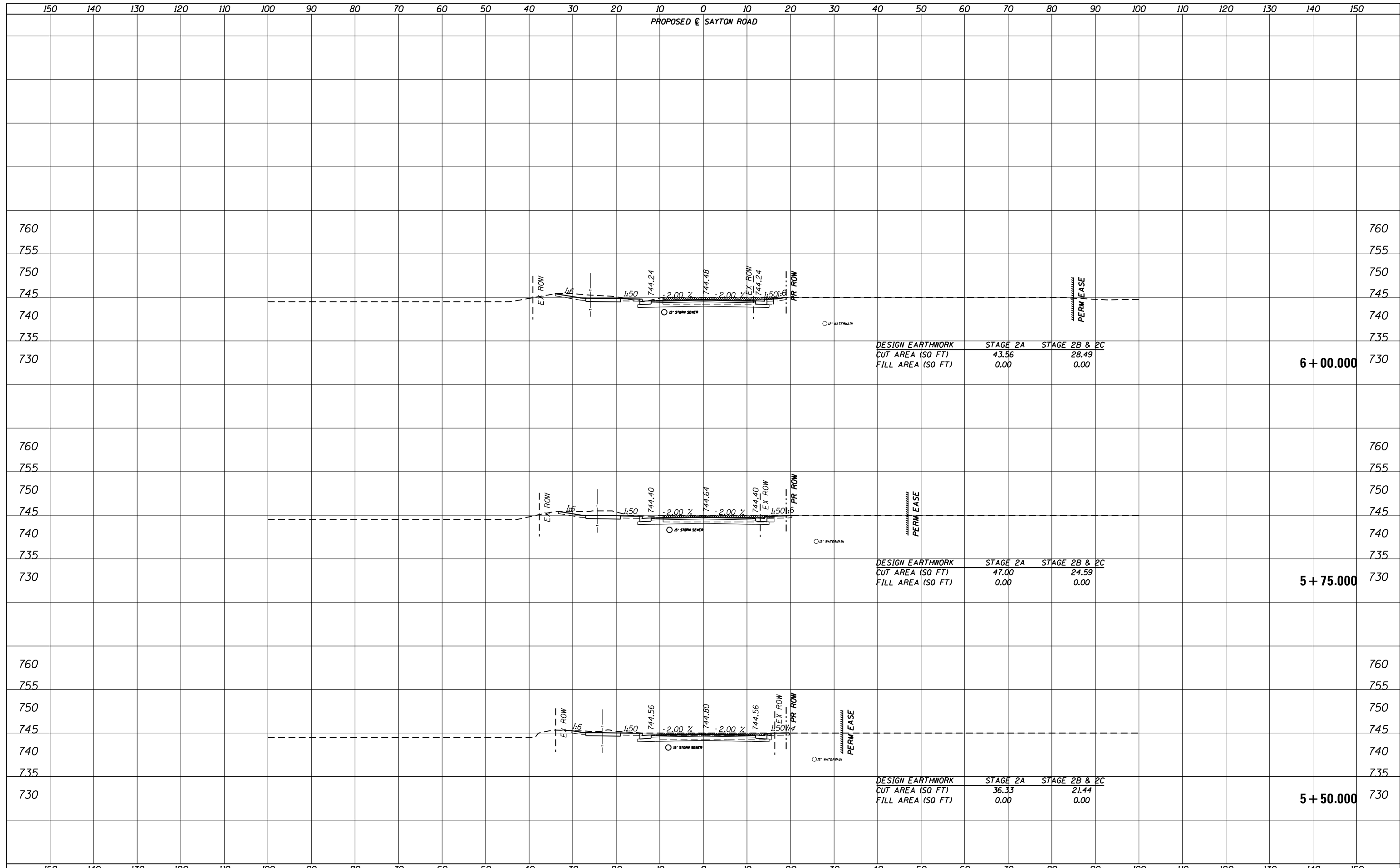
DESIGN EARTHWORK	STAGE 2A	STAGE 2B & 2C
CUT AREA (SQ FT)	15.92	17.50
FILL AREA (SQ FT)	4.26	0.34

5 + 00.000

DESIGN EARTHWORK	STAGE 2A	STAGE 2B & 2C
CUT AREA (SQ FT)	13.05	15.95
FILL AREA (SQ FT)	5.45	0.00

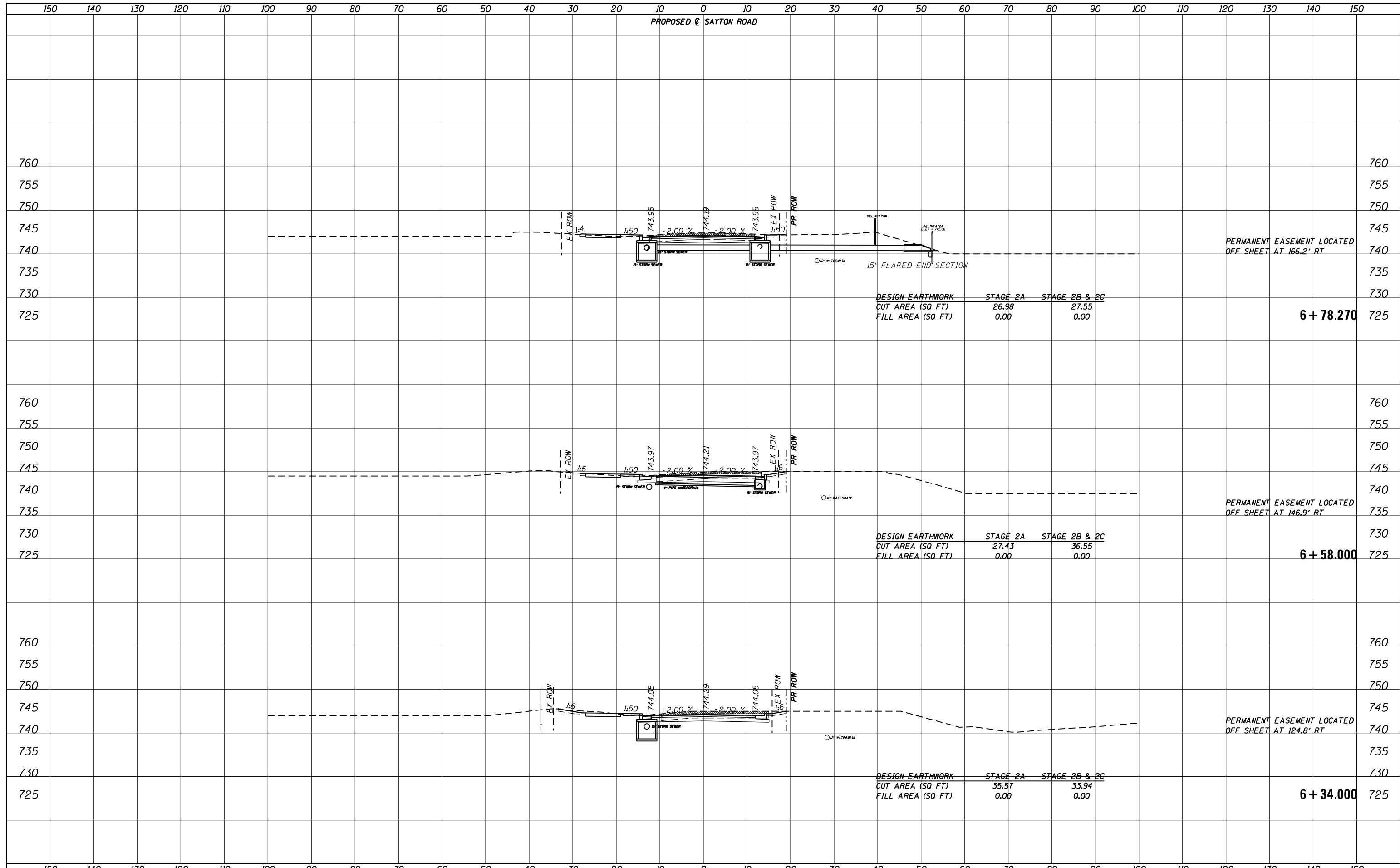
4 + 75.000





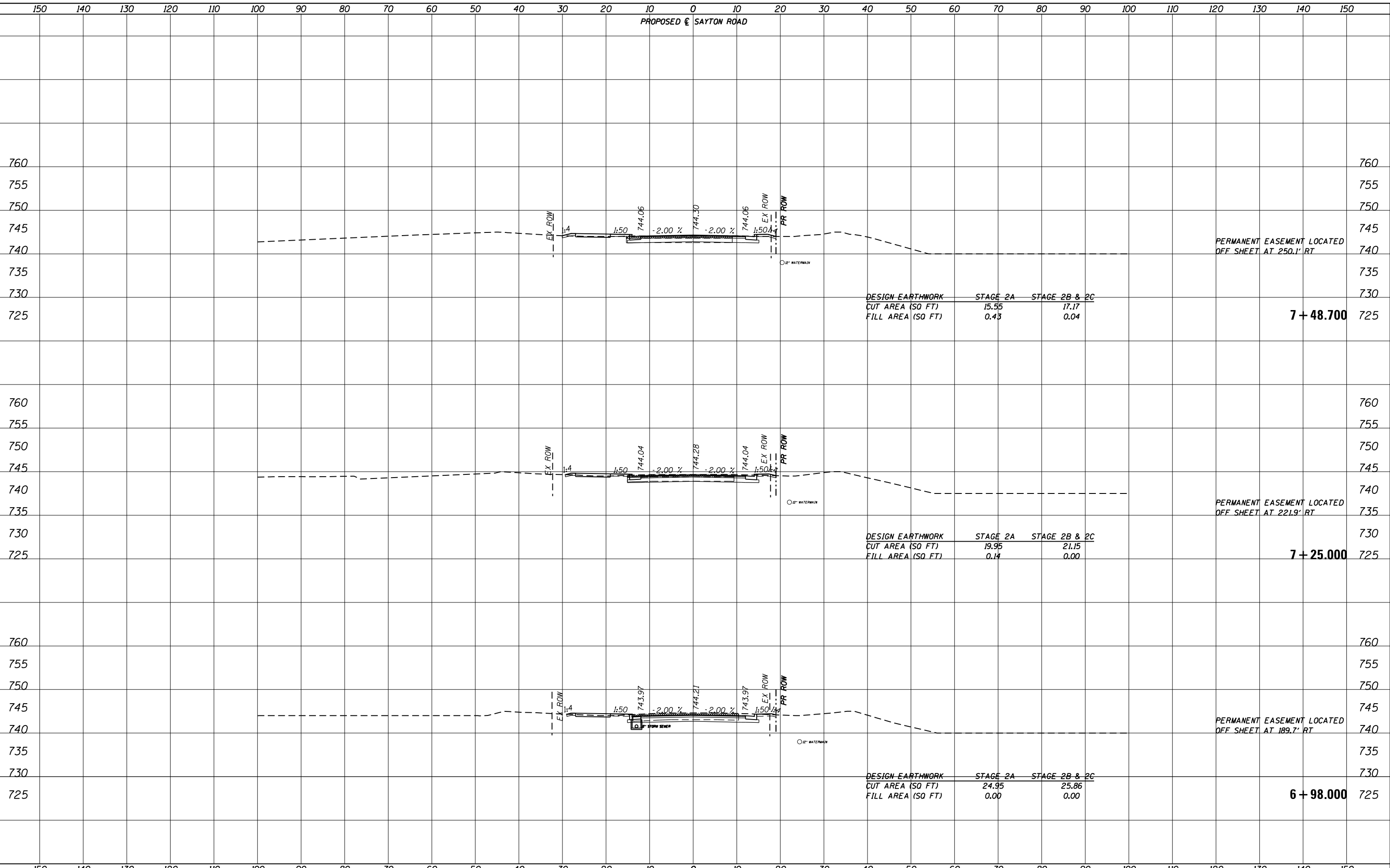
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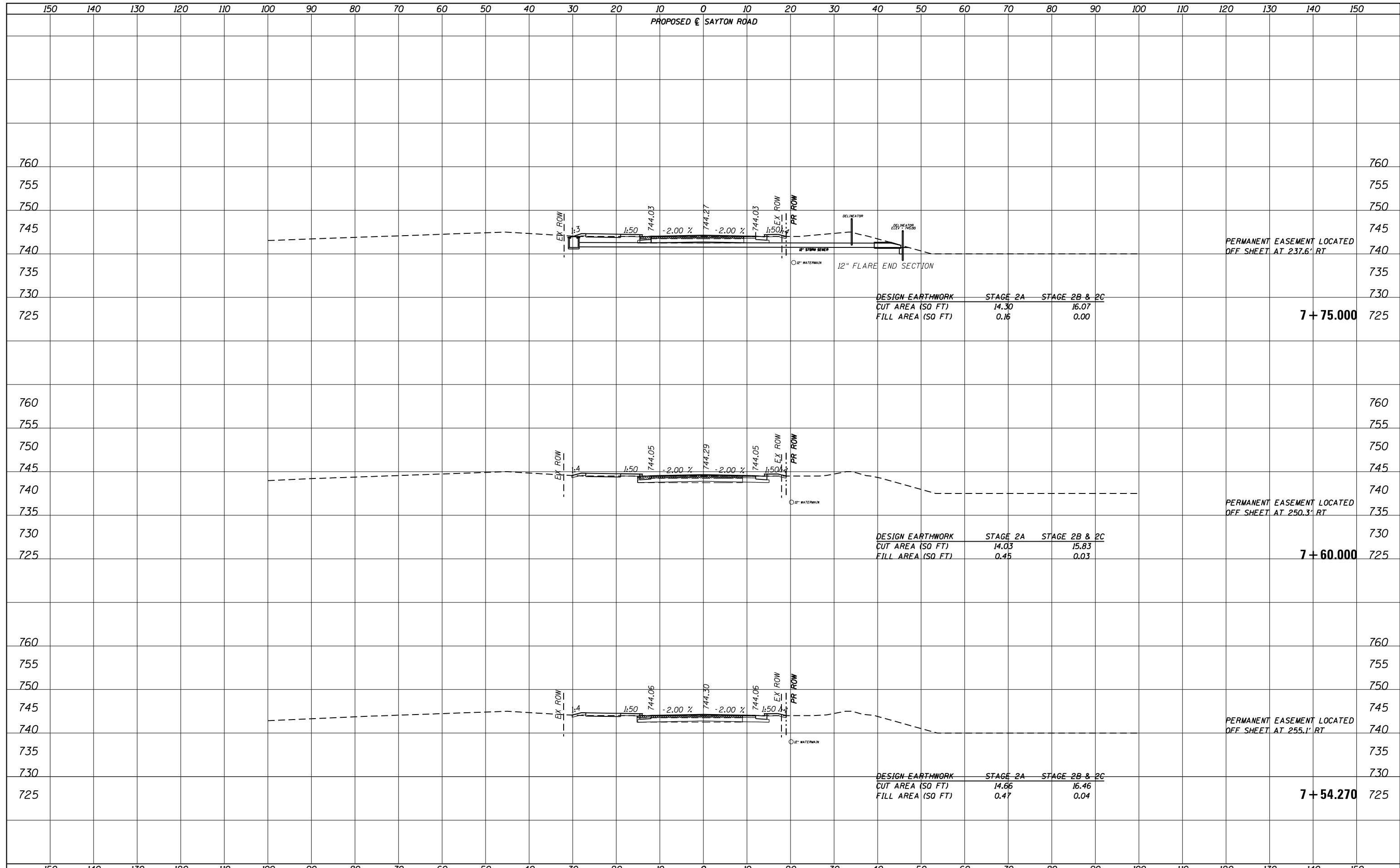
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FILE NAME =	USER NAME = ANinoFlores	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

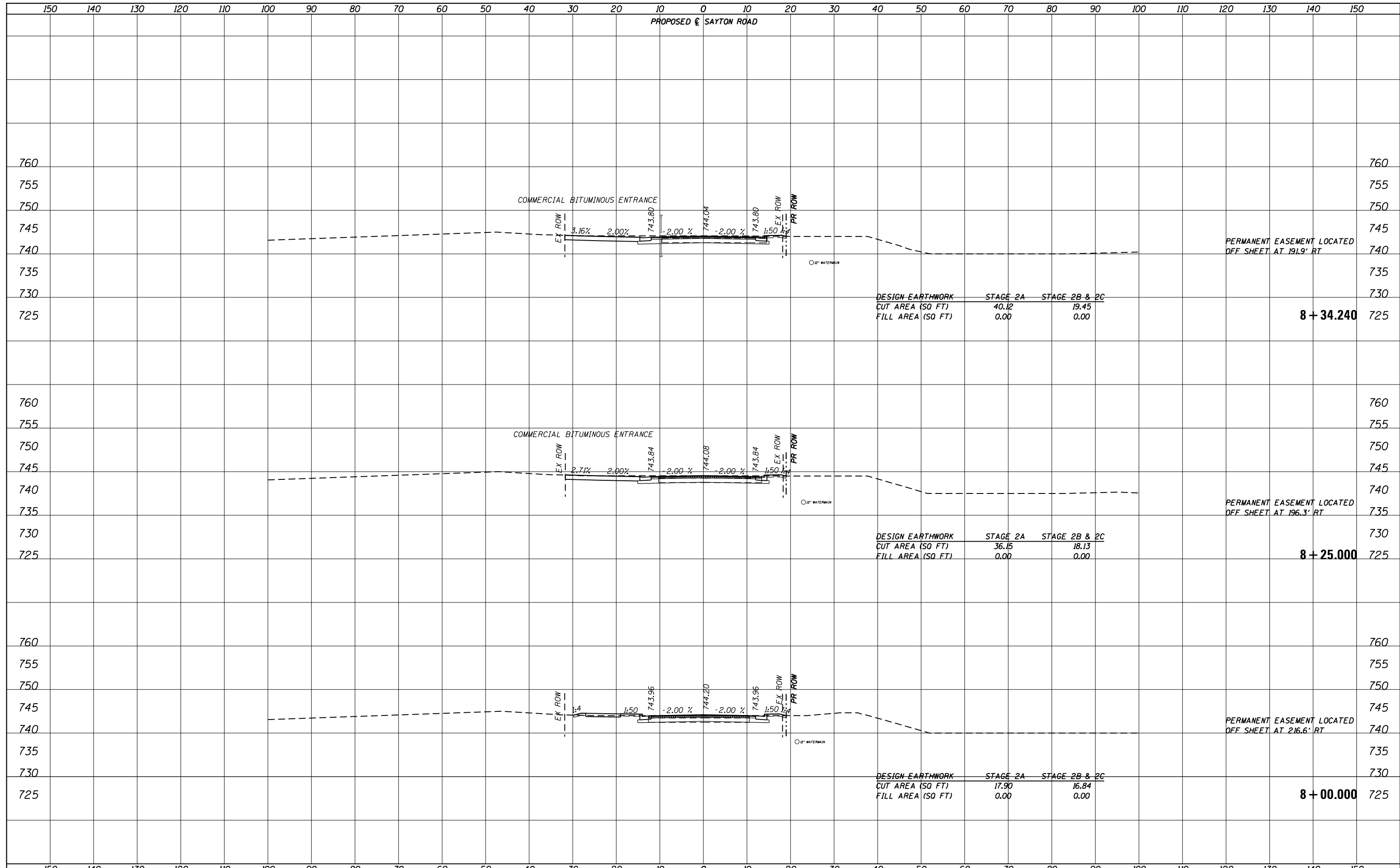
<b>CROSS SECTIONS SAYTON ROAD (E-W)</b>			
SCALE:	SHEET 12	OF 29 SHEETS	STA. 6+98.000 TO STA. 7+48.700

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	99
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



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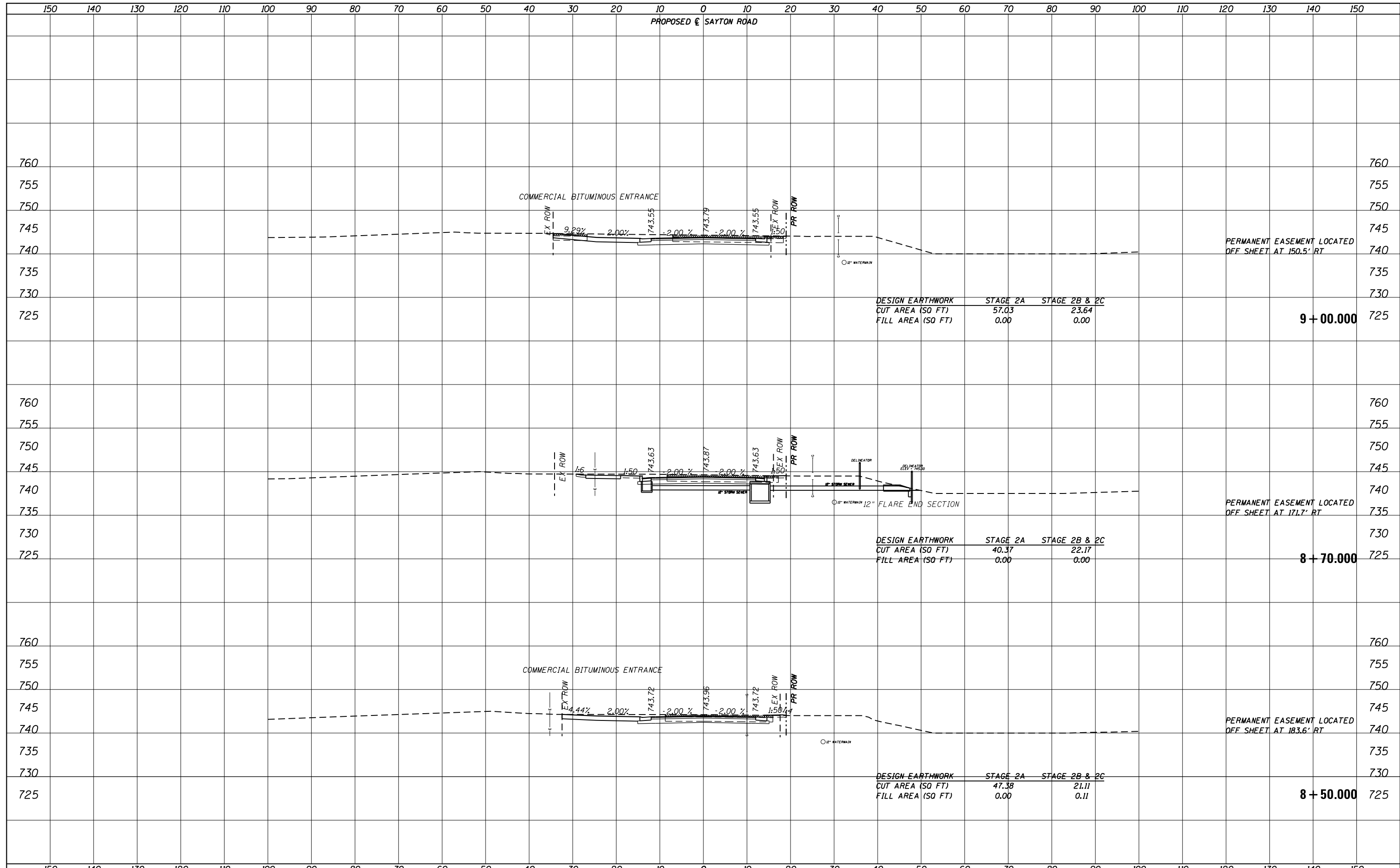
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FILE NAME =	USER NAME = ANinoFlores	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

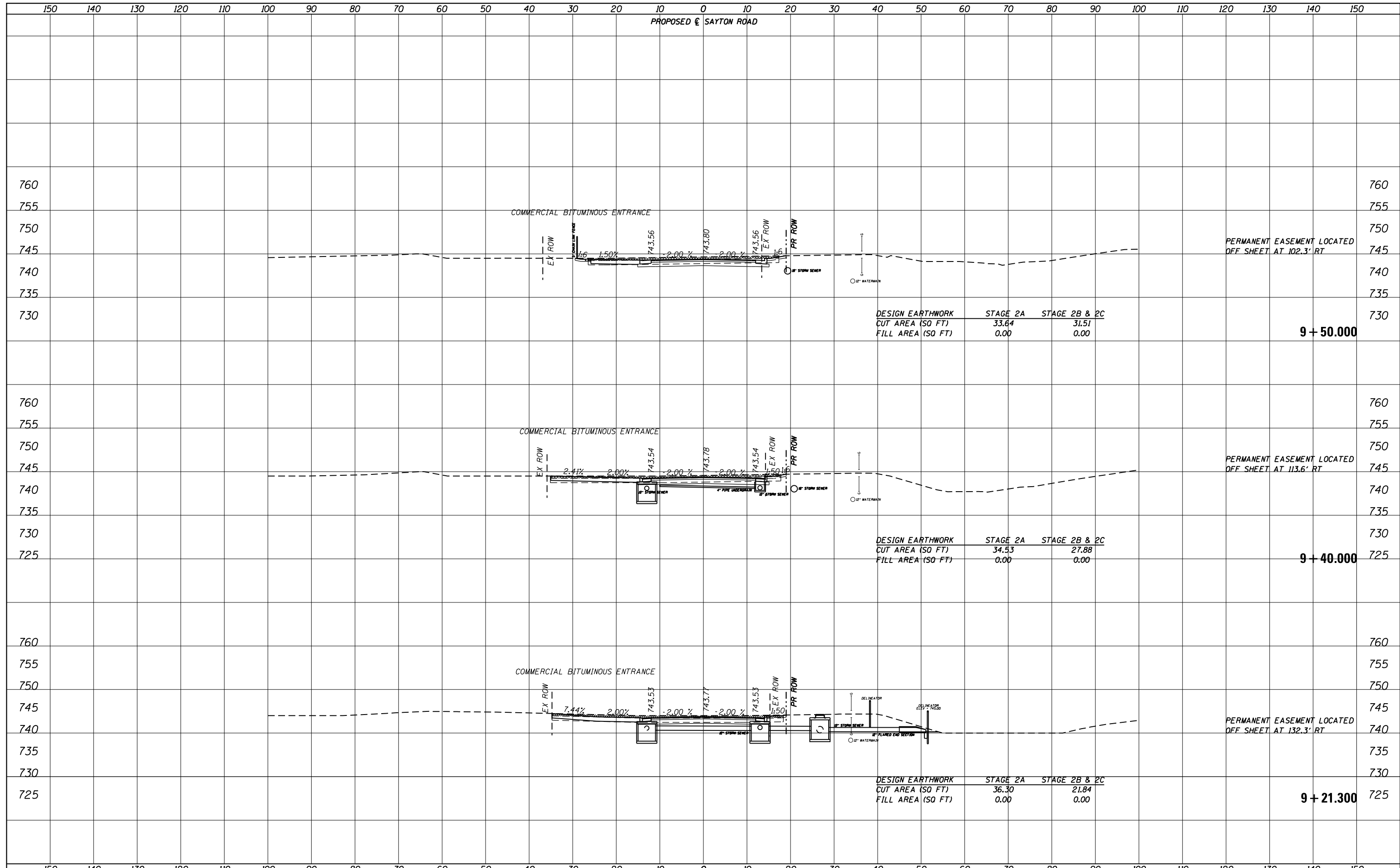
<b>CROSS SECTIONS SAYTON ROAD (E-W)</b>			
SCALE:	SHEET 14	OF 29 SHEETS	STA. 8+00.000 TO STA. 8+34.240

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	101
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



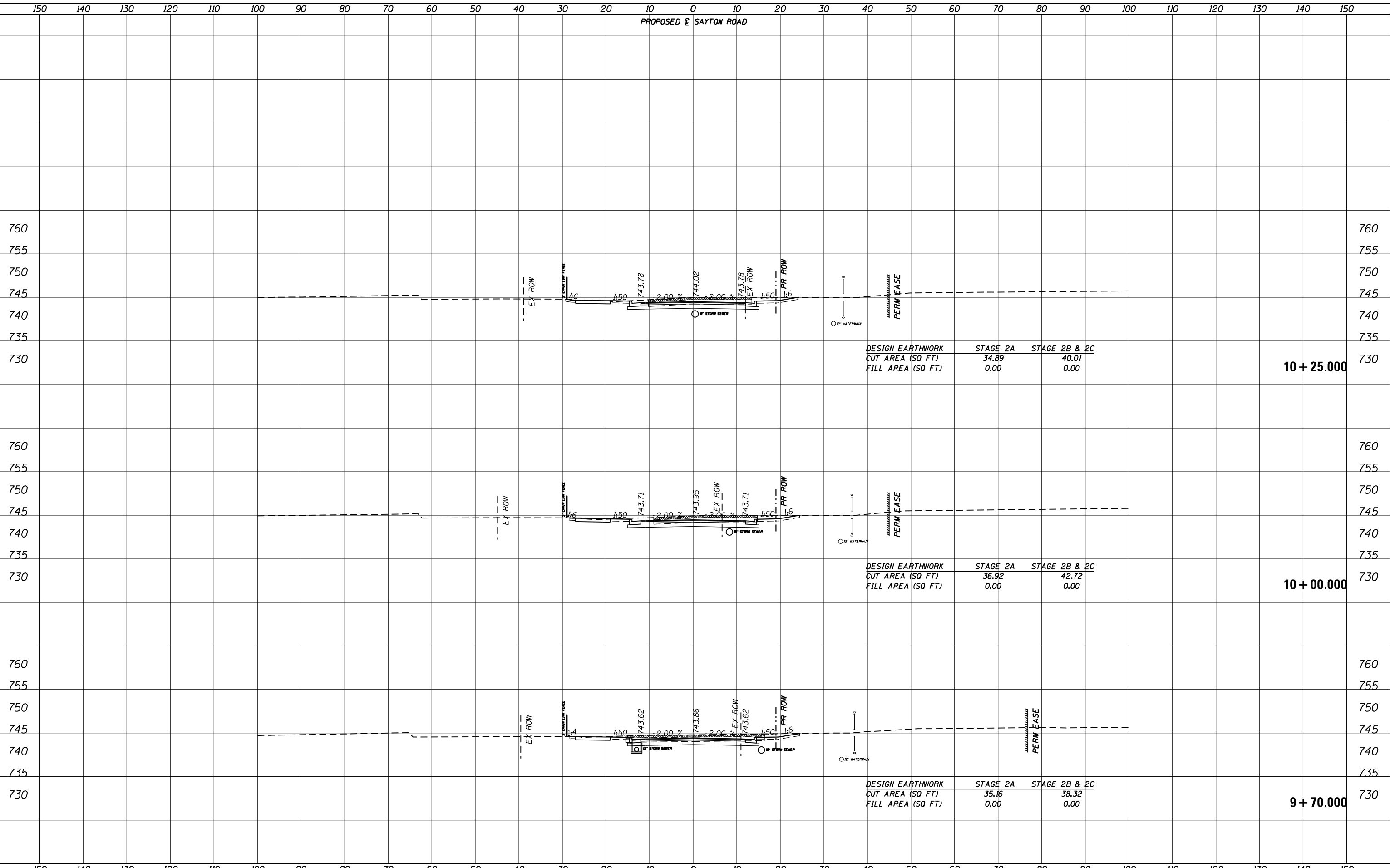
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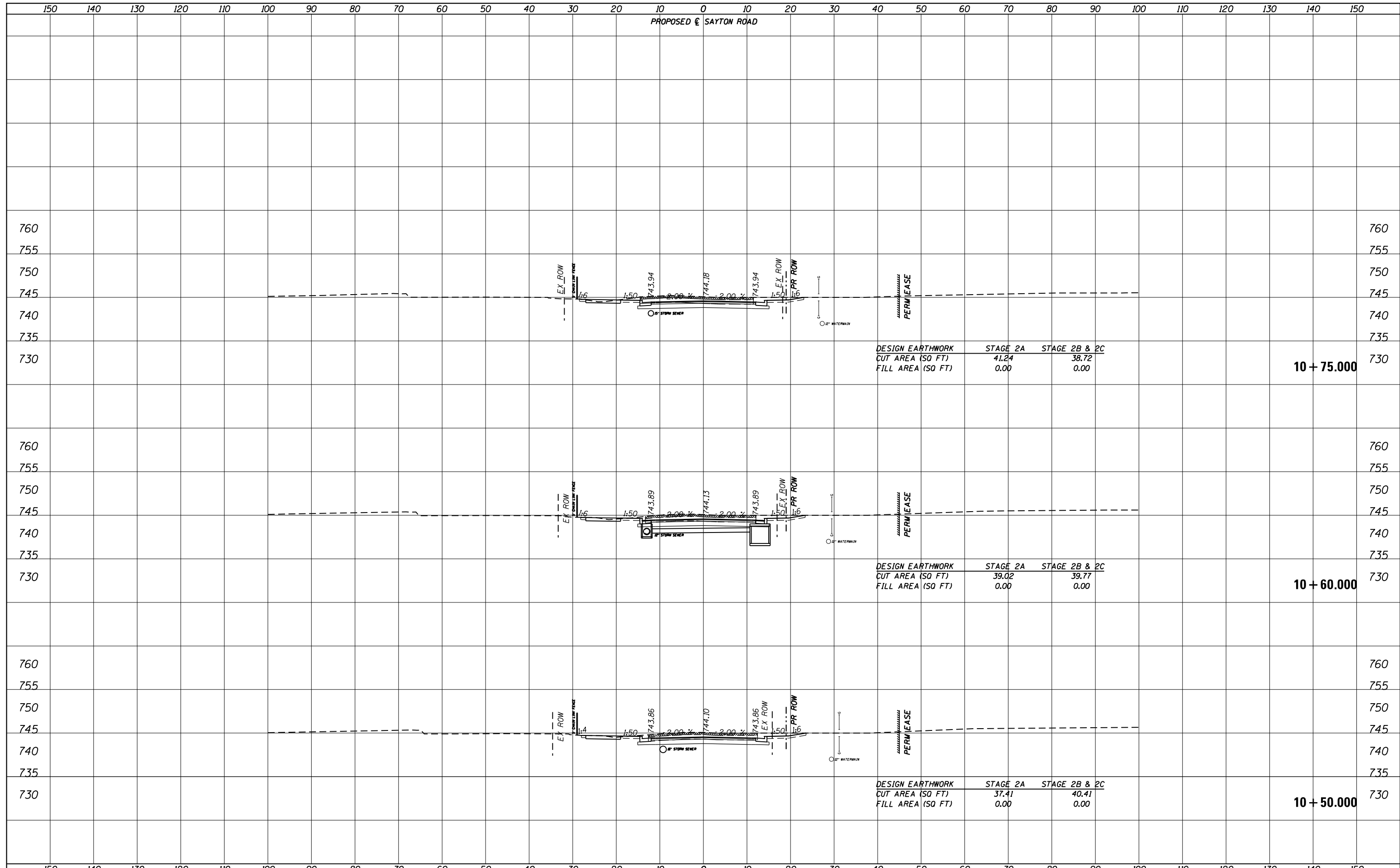
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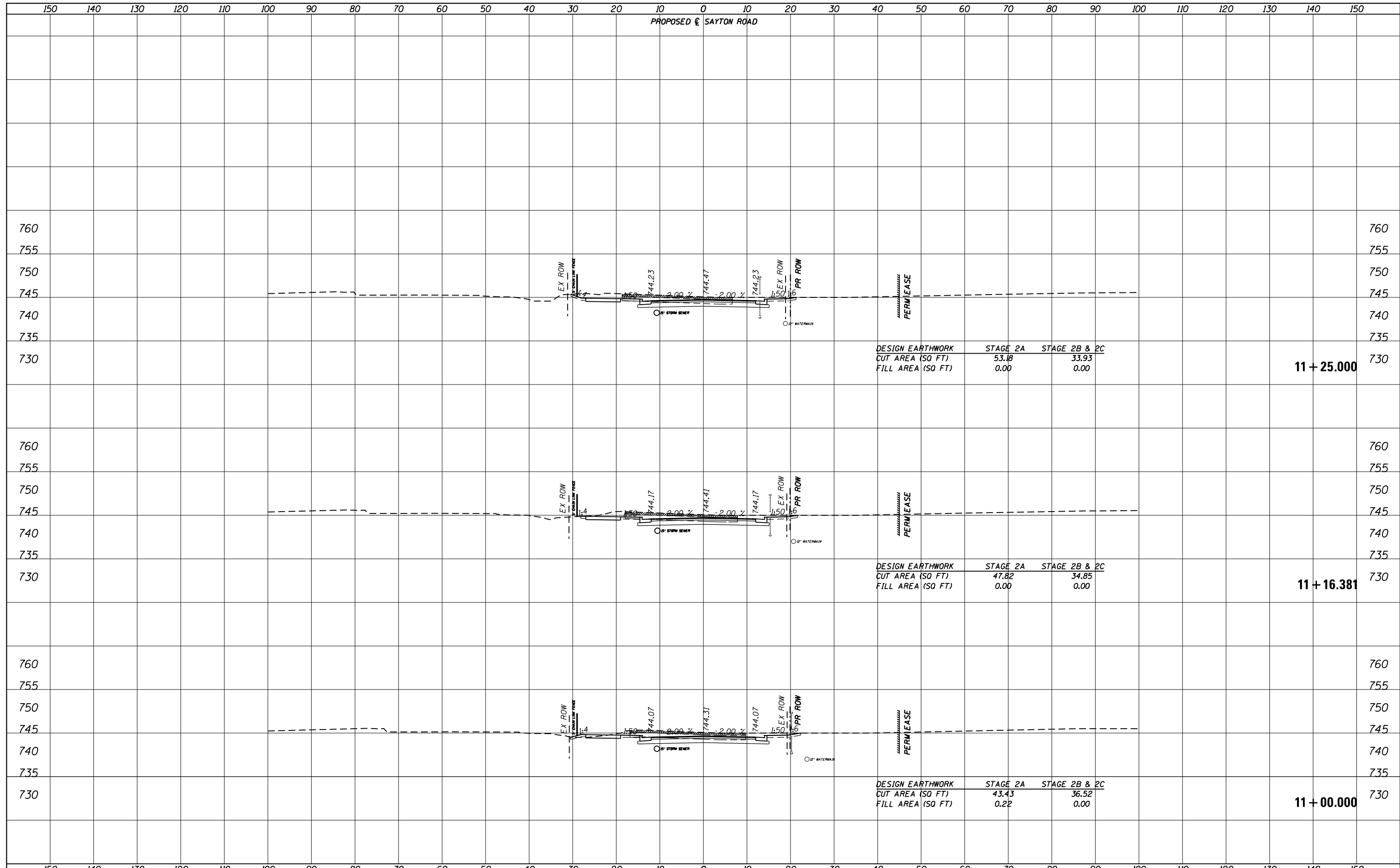
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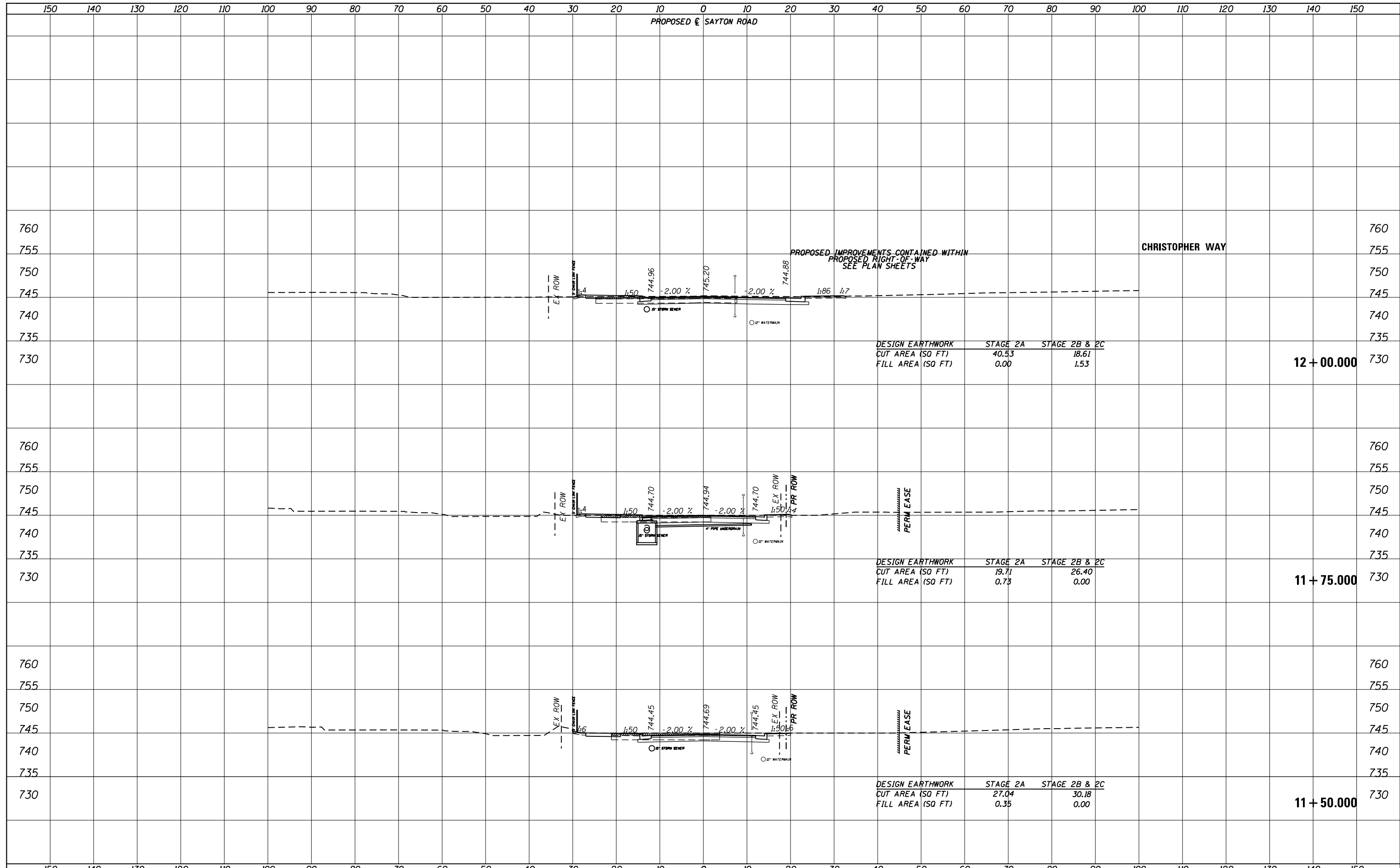
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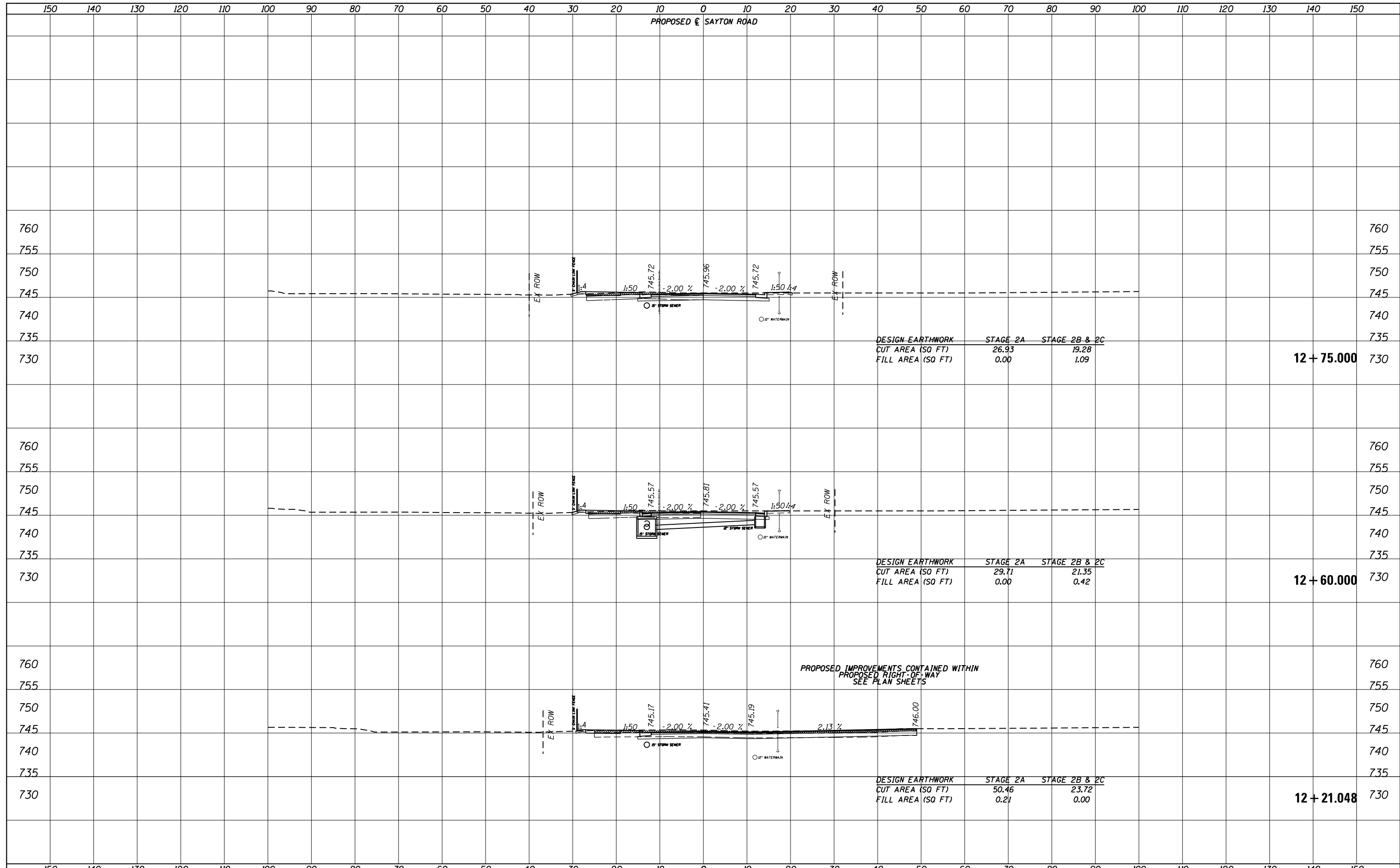
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FILE NAME =	USER NAME = ANinoFlores	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS SAYTON ROAD (E-W)</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\F0130545_Fox Lake - Sayton Road Phase II\Plans\CADD_Sheets\F01300545-sht-xssht.w.dgn		DRAWN -	REVISED -		SCALE:	SHEET 21	OF 29 SHEETS	STA. 12+21.048	TO STA. 12+75.000	51-152	04-00018-00-FP	LAKE	133 108
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		DATE -	REVISED -										

**12 + 75.000**

**12 + 60.000**

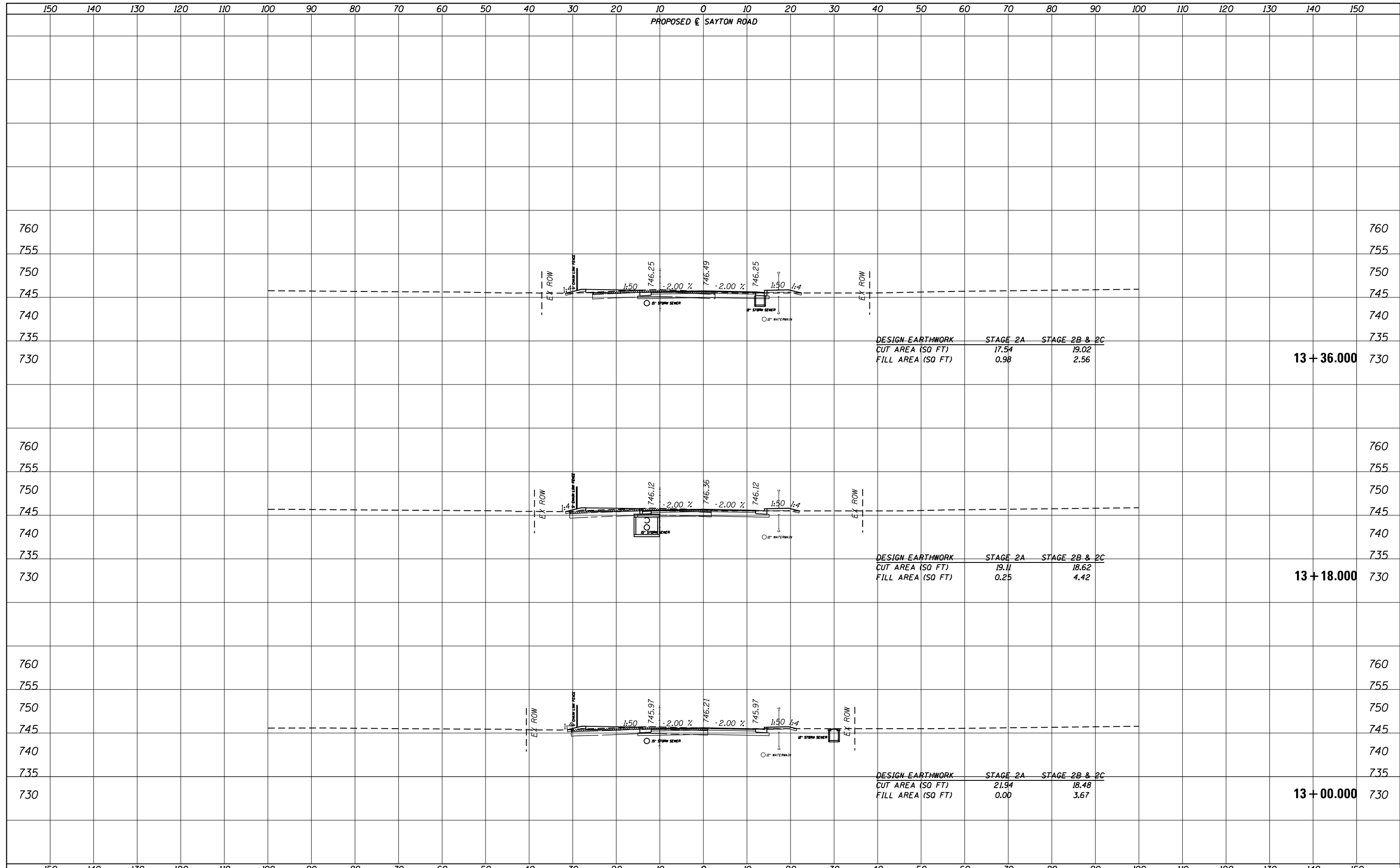
**12 + 21.048**

DESIGN EARTHWORK		
	STAGE 2A	STAGE 2B & 2C
CUT AREA (SQ FT)	26.93	19.28
FILL AREA (SQ FT)	0.00	1.09

DESIGN EARTHWORK		
	STAGE 2A	STAGE 2B & 2C
CUT AREA (SQ FT)	29.71	21.35
FILL AREA (SQ FT)	0.00	0.42

DESIGN EARTHWORK		
	STAGE 2A	STAGE 2B & 2C
CUT AREA (SQ FT)	50.46	23.72
FILL AREA (SQ FT)	0.21	0.00

PROPOSED IMPROVEMENTS CONTAINED WITHIN  
PROPOSED RIGHT-OF-WAY  
SEE PLAN SHEETS



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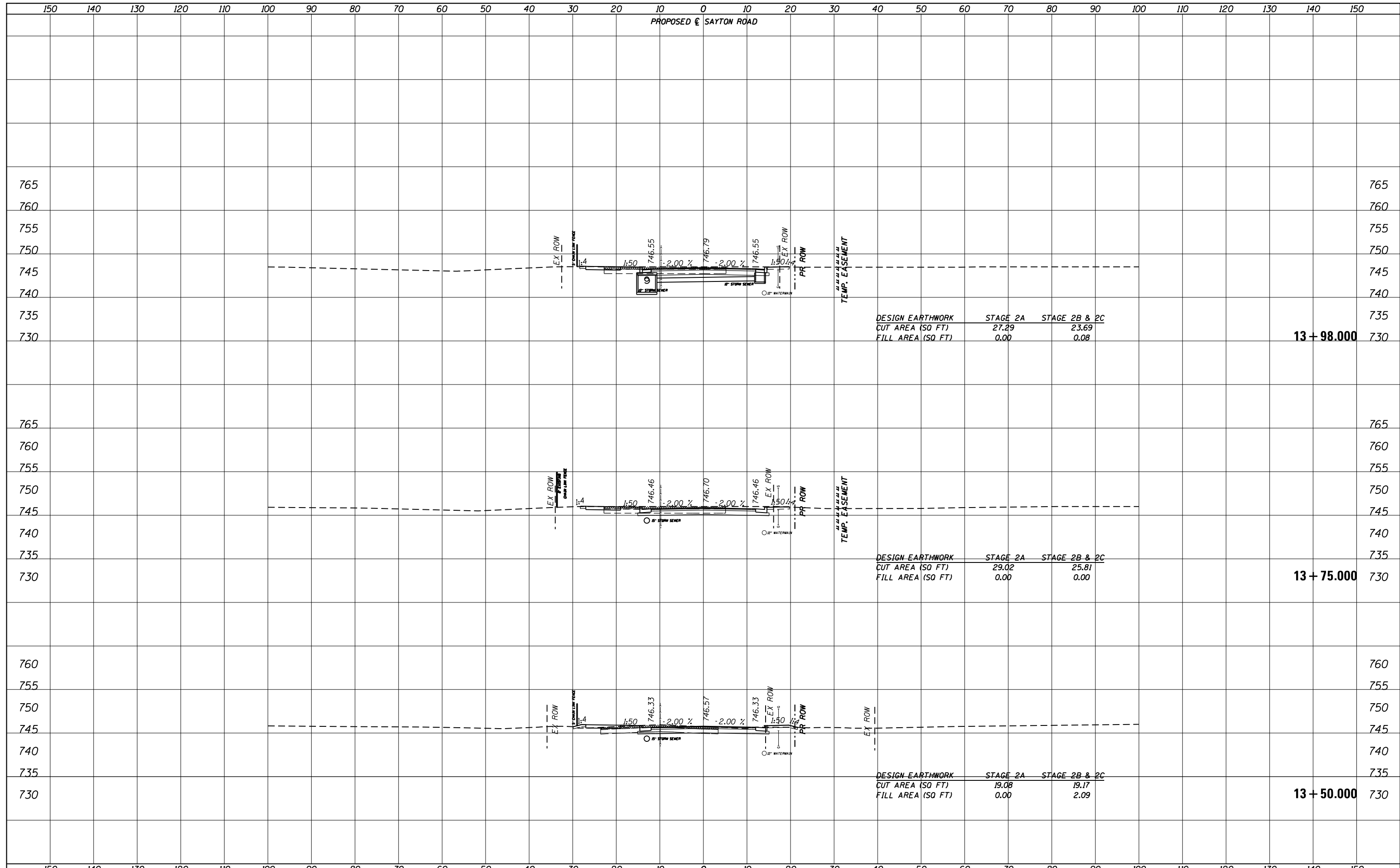
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 SAYTON ROAD (E-W)**

SCALE: SHEET 22 OF 29 SHEETS STA. 13+00.000 TO STA. 13+36.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	109
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				



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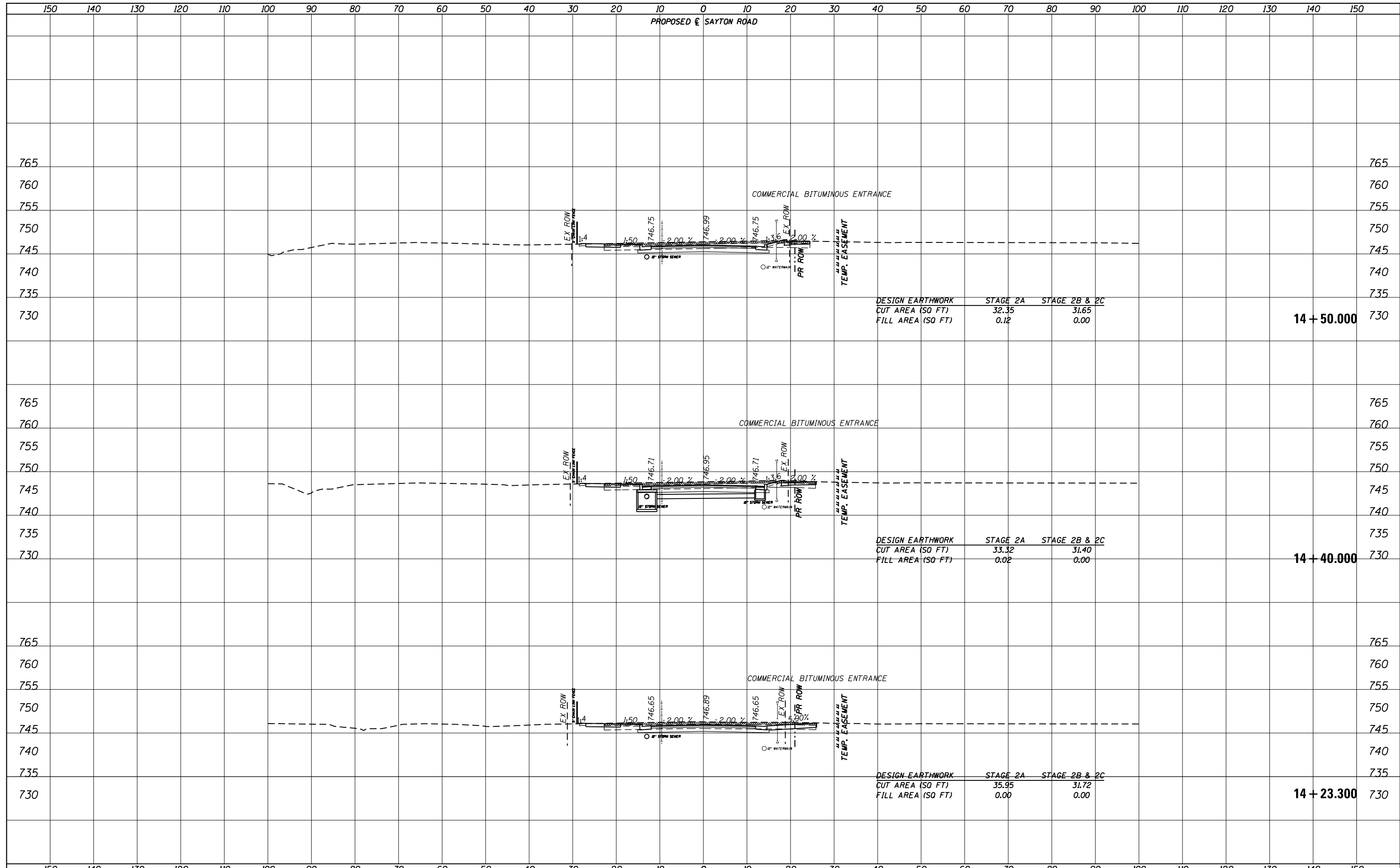
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PLOT DATE = 2/14/2018	DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
SAYTON ROAD (E-W)**

SCALE: SHEET 23 OF 29 SHEETS STA. 13+50,000 TO STA. 13+98,000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151-152	04-00018-00-FP	LAKE	133	110
CONTRACT NO. 61C48				
ILLINOIS FED. AID PROJECT				

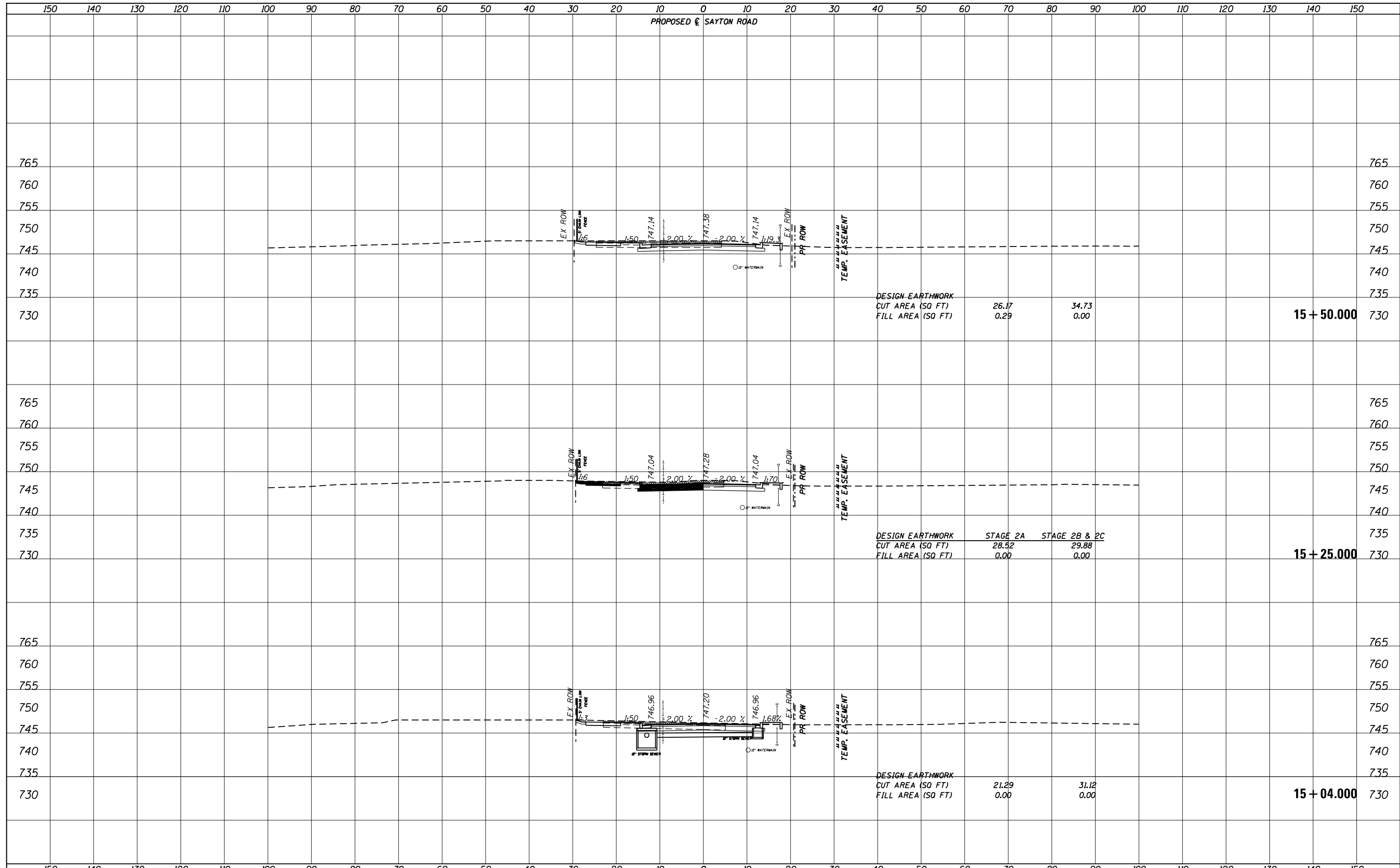


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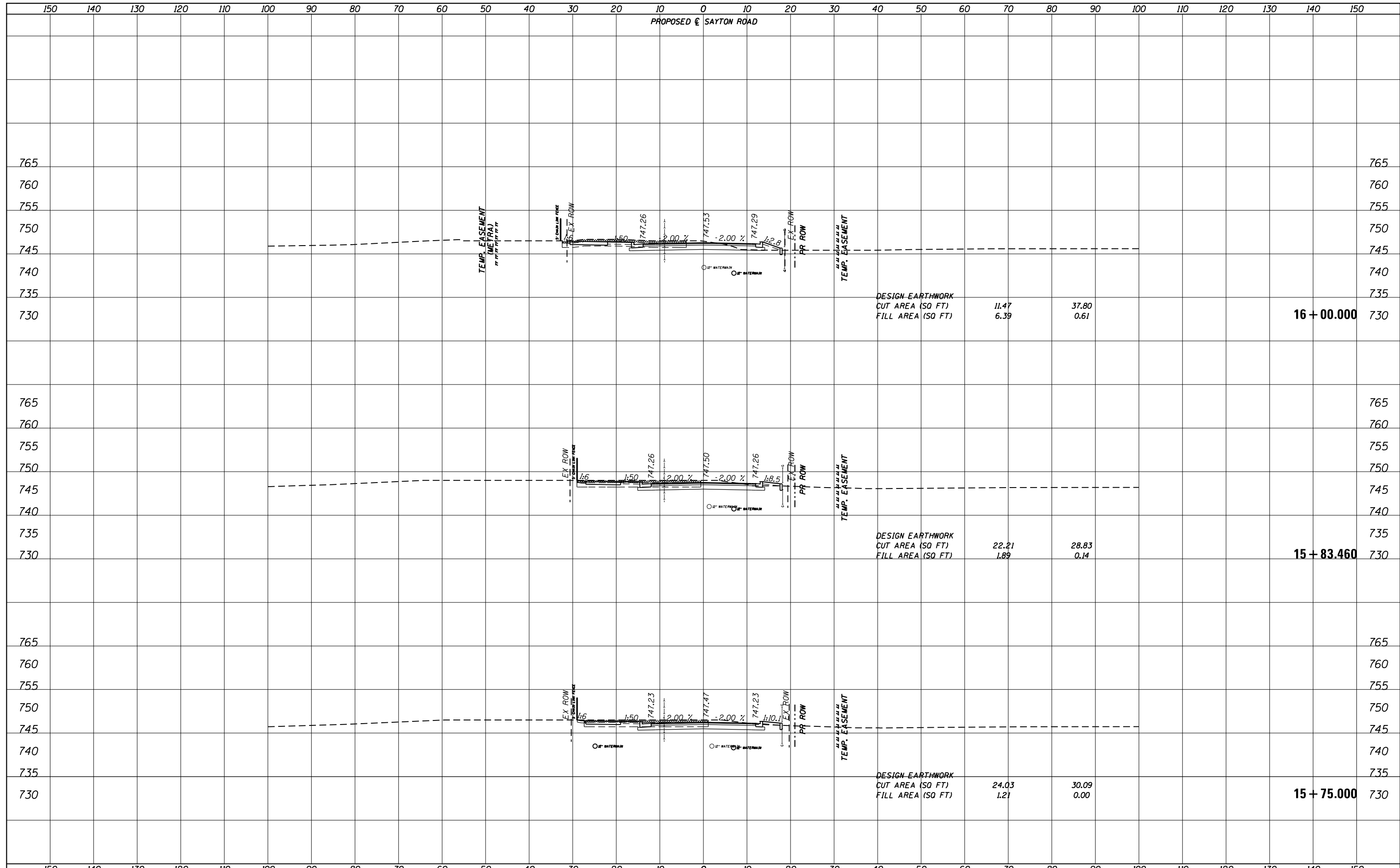






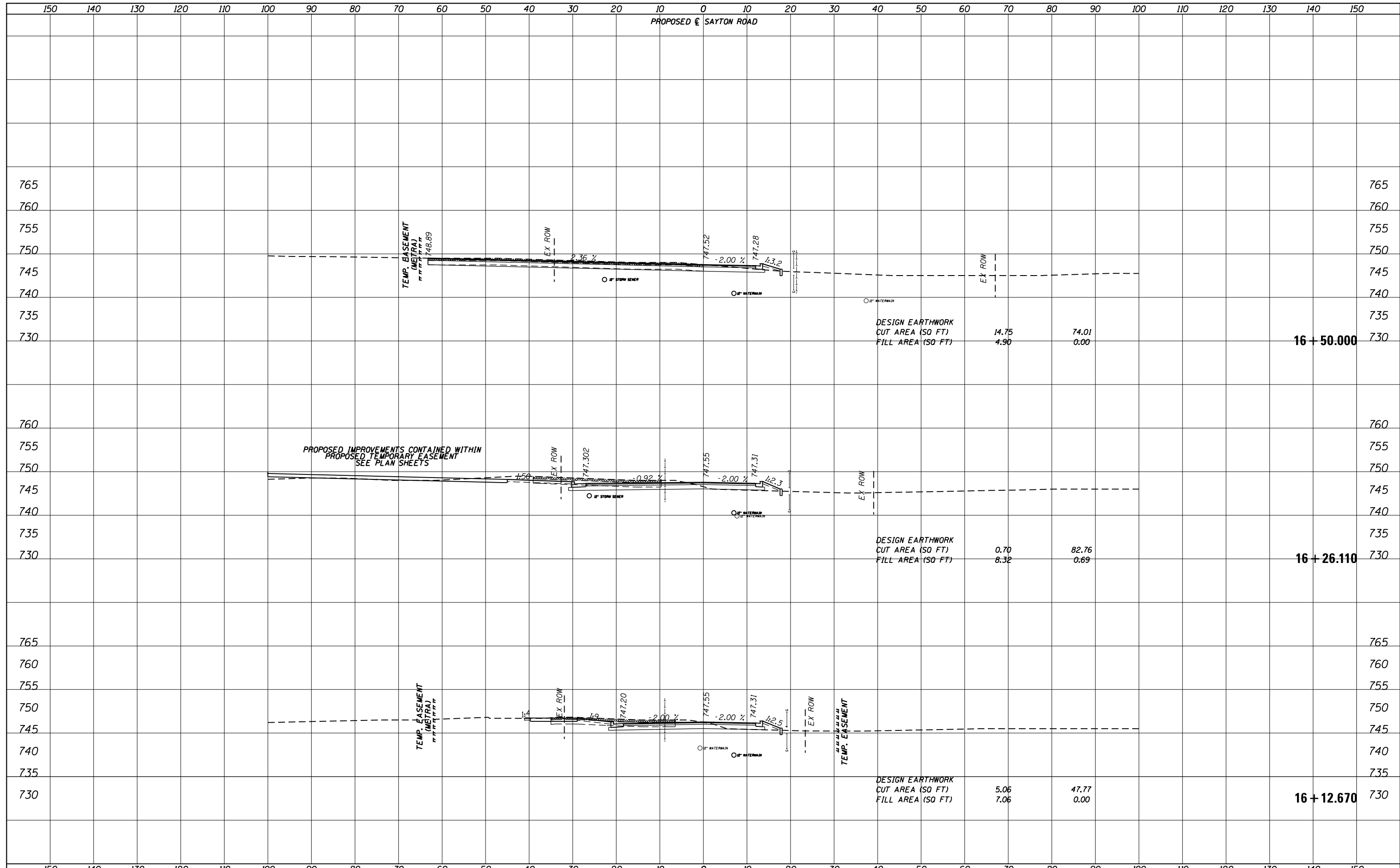
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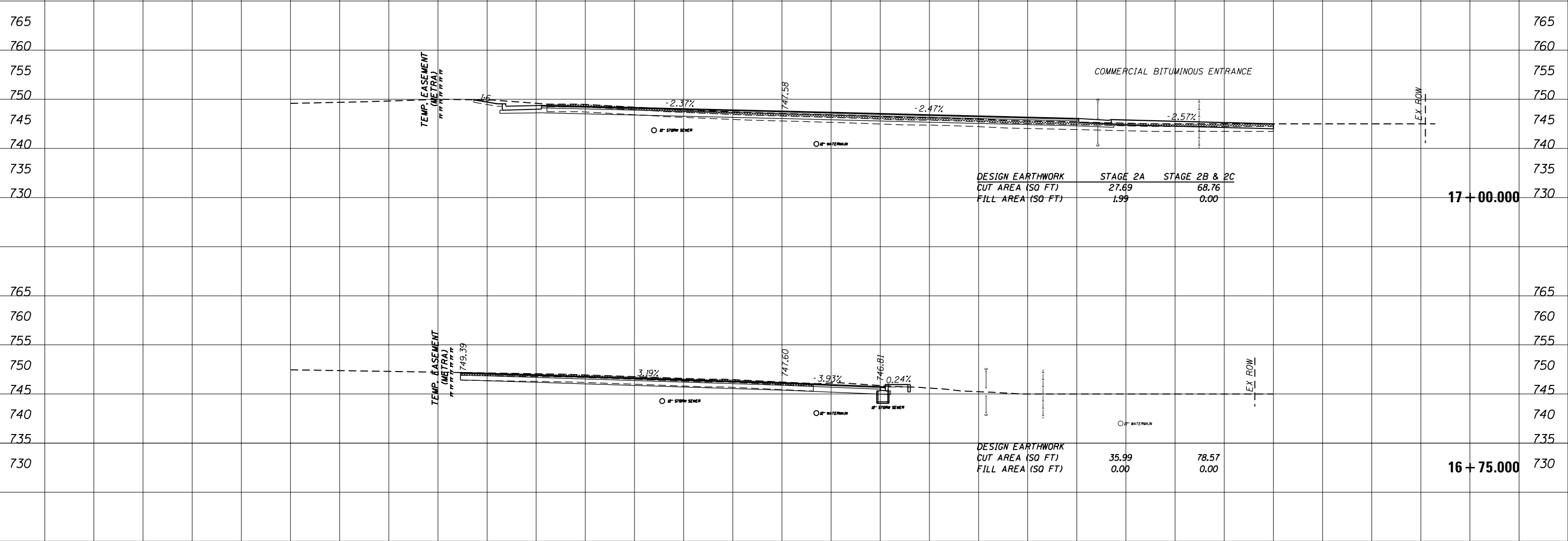
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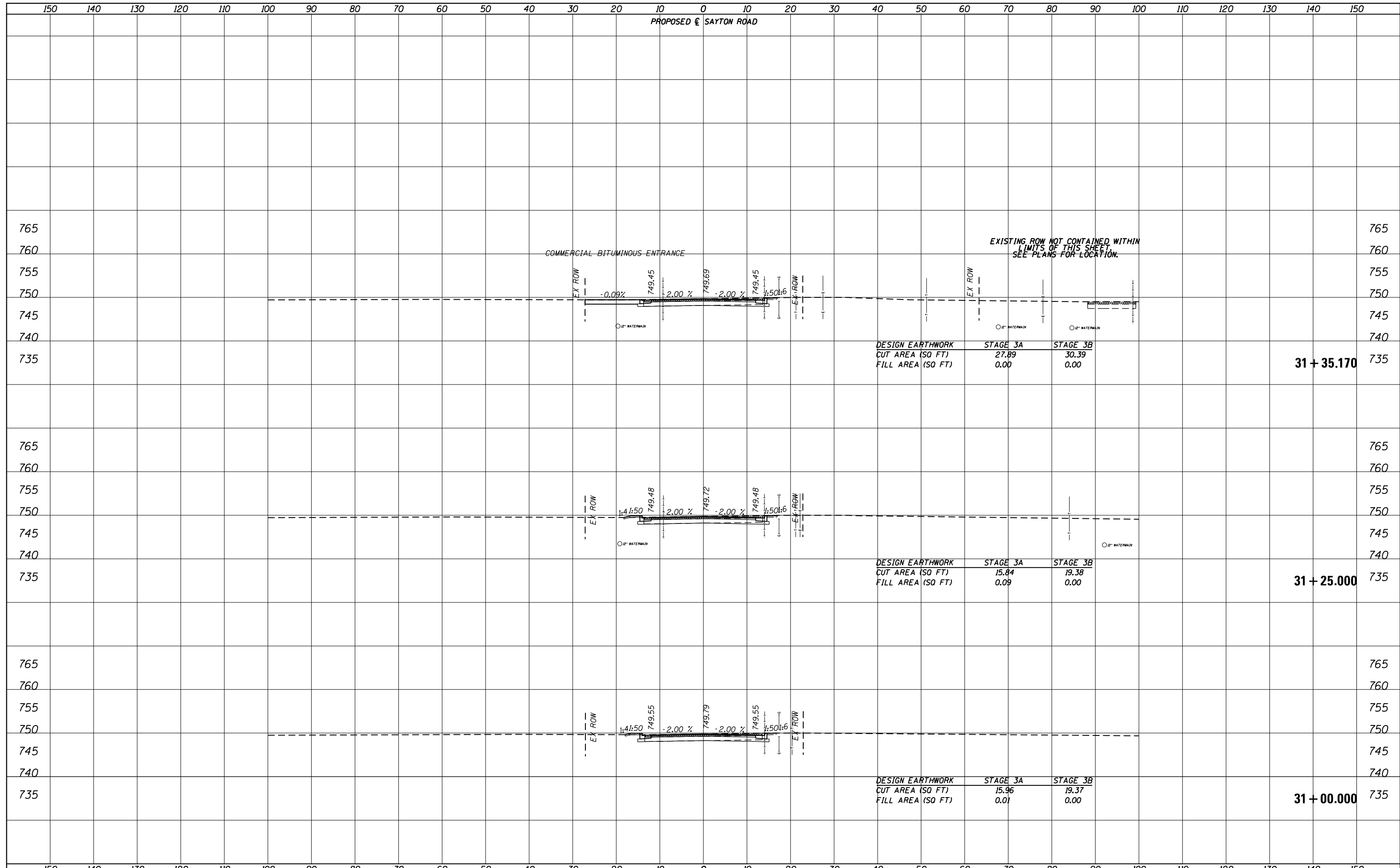
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150  
 PROPOSED E SAYTON ROAD

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FILE NAME =	USER NAME = ANinoFlores	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SAYTON ROAD (E-W)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\F0130545_Fox Lake - Sayton Road Phase II\Plans\CADD_Sheets\F01300545-sht-xssht.w.dgn		DRAWN -	REVISIED -		SCALE:	SHEET 29	OF 29	SHEETS	STA. 16+75.000	TO STA. 17+00.000	LAKE	133	116
Default		CHECKED -	REVISIED -								CONTRACT NO. 61C48		
		DATE -	REVISIED -								ILLINOIS FED. AID PROJECT		



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FILE NAME =	USER NAME = ANinoFlores	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>SAYTON ROAD (N-S)</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
P:\F0130545_Fox Lake - Sayton Road Phase II\Plans\CADD_Sheets\F01300545-sht-ssht.e.dgn		DRAWN -	REVISED -		SCALE:	SHEET 1	OF 15 SHEETS	STA. 31+00.000	TO STA. 31+35.170	51-152	04-00018-00-FP	LAKE	133	117
Default		CHECKED -	REVISED -											
		DATE -	REVISED -											

**31 + 35.170**

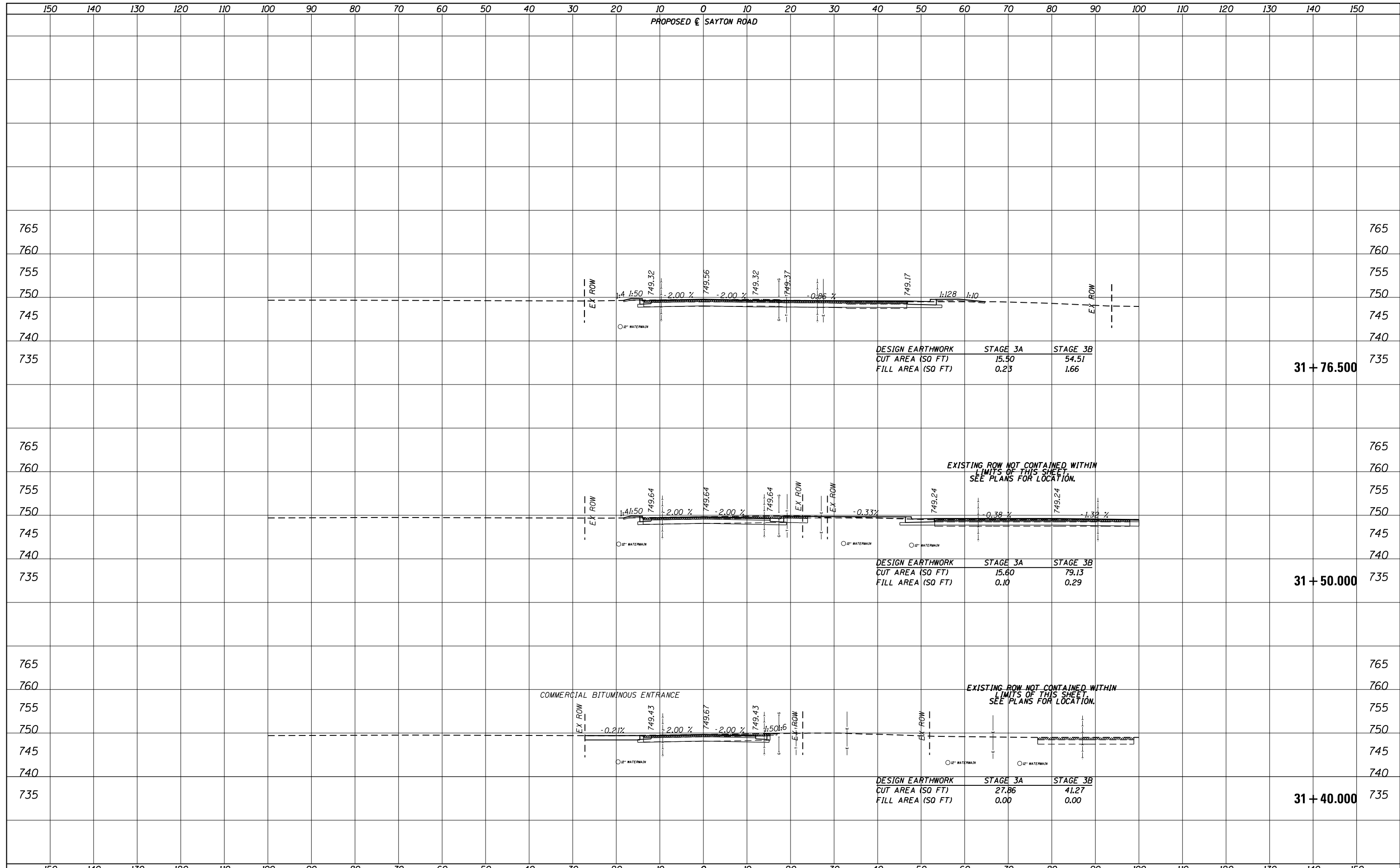
**31 + 25.000**

**31 + 00.000**

DESIGN EARTHWORK	STAGE 3A	STAGE 3B
CUT AREA (SQ FT)	27.89	30.39
FILL AREA (SQ FT)	0.00	0.00

DESIGN EARTHWORK	STAGE 3A	STAGE 3B
CUT AREA (SQ FT)	15.84	19.38
FILL AREA (SQ FT)	0.09	0.00

DESIGN EARTHWORK	STAGE 3A	STAGE 3B
CUT AREA (SQ FT)	15.96	19.37
FILL AREA (SQ FT)	0.01	0.00



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**31 + 76.500**

**31 + 50.000**

**31 + 40.000**

DESIGN EARTHWORK	STAGE 3A	STAGE 3B
CUT AREA (SQ FT)	15.50	54.51
FILL AREA (SQ FT)	0.23	1.66

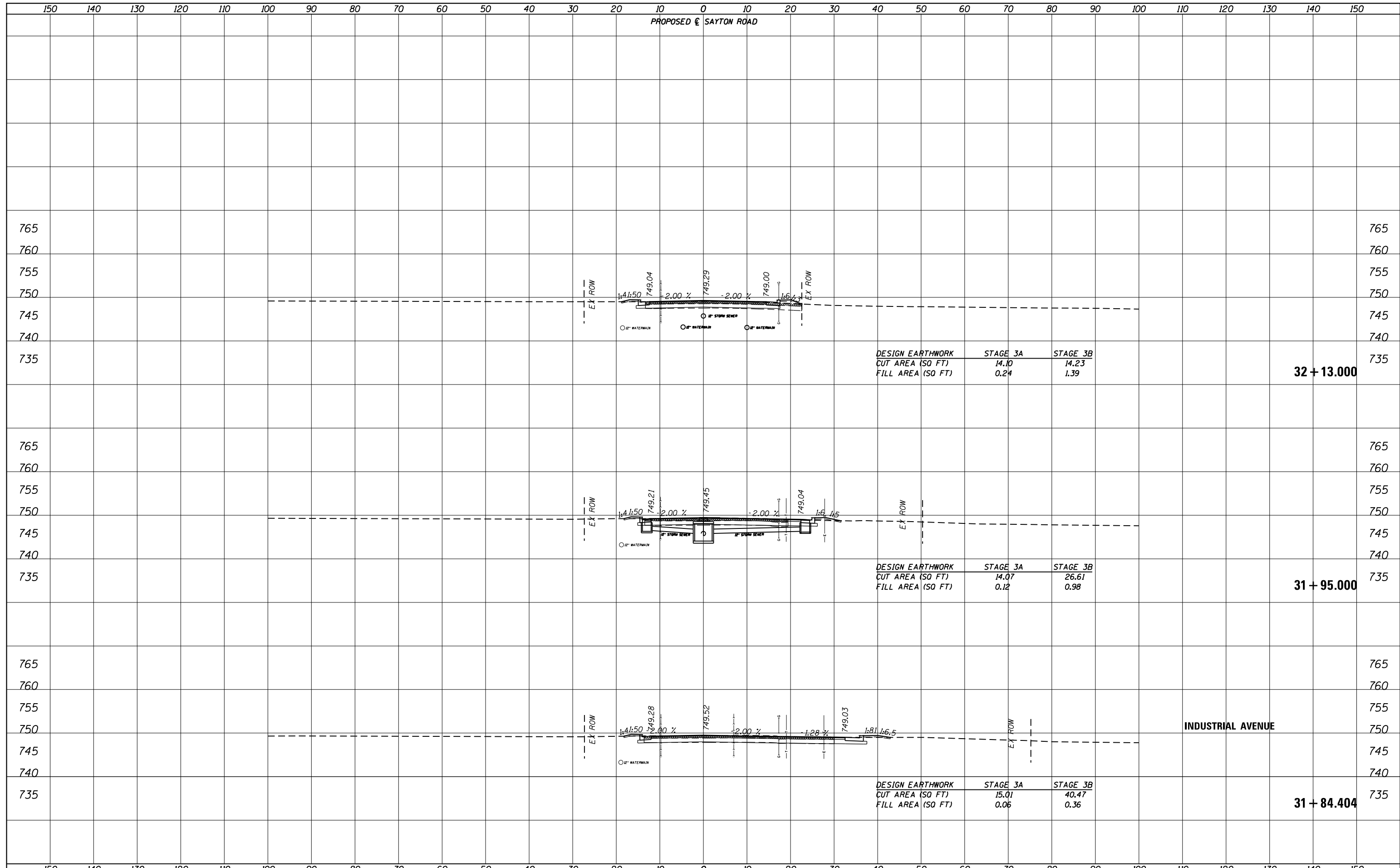
DESIGN EARTHWORK	STAGE 3A	STAGE 3B
CUT AREA (SQ FT)	15.60	79.13
FILL AREA (SQ FT)	0.10	0.29

DESIGN EARTHWORK	STAGE 3A	STAGE 3B
CUT AREA (SQ FT)	27.86	41.27
FILL AREA (SQ FT)	0.00	0.00

EXISTING ROW NOT CONTAINED WITHIN LIMITS OF THIS SHEET. SEE PLANS FOR LOCATION.

EXISTING ROW NOT CONTAINED WITHIN LIMITS OF THIS SHEET. SEE PLANS FOR LOCATION.

COMMERCIAL BITUMINOUS ENTRANCE



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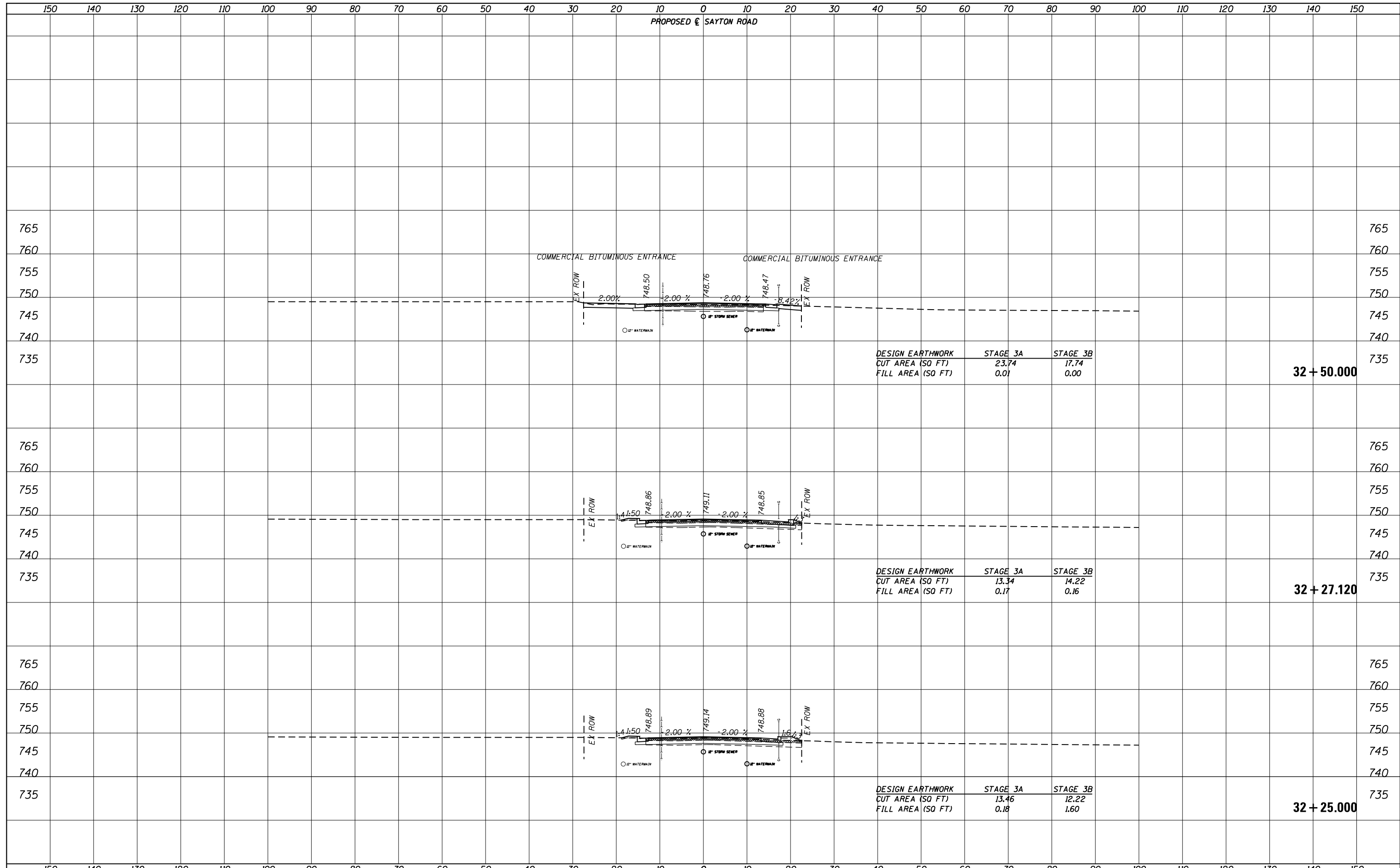
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**32 + 13.000**

**31 + 95.000**

**31 + 84.404**

**INDUSTRIAL AVENUE**



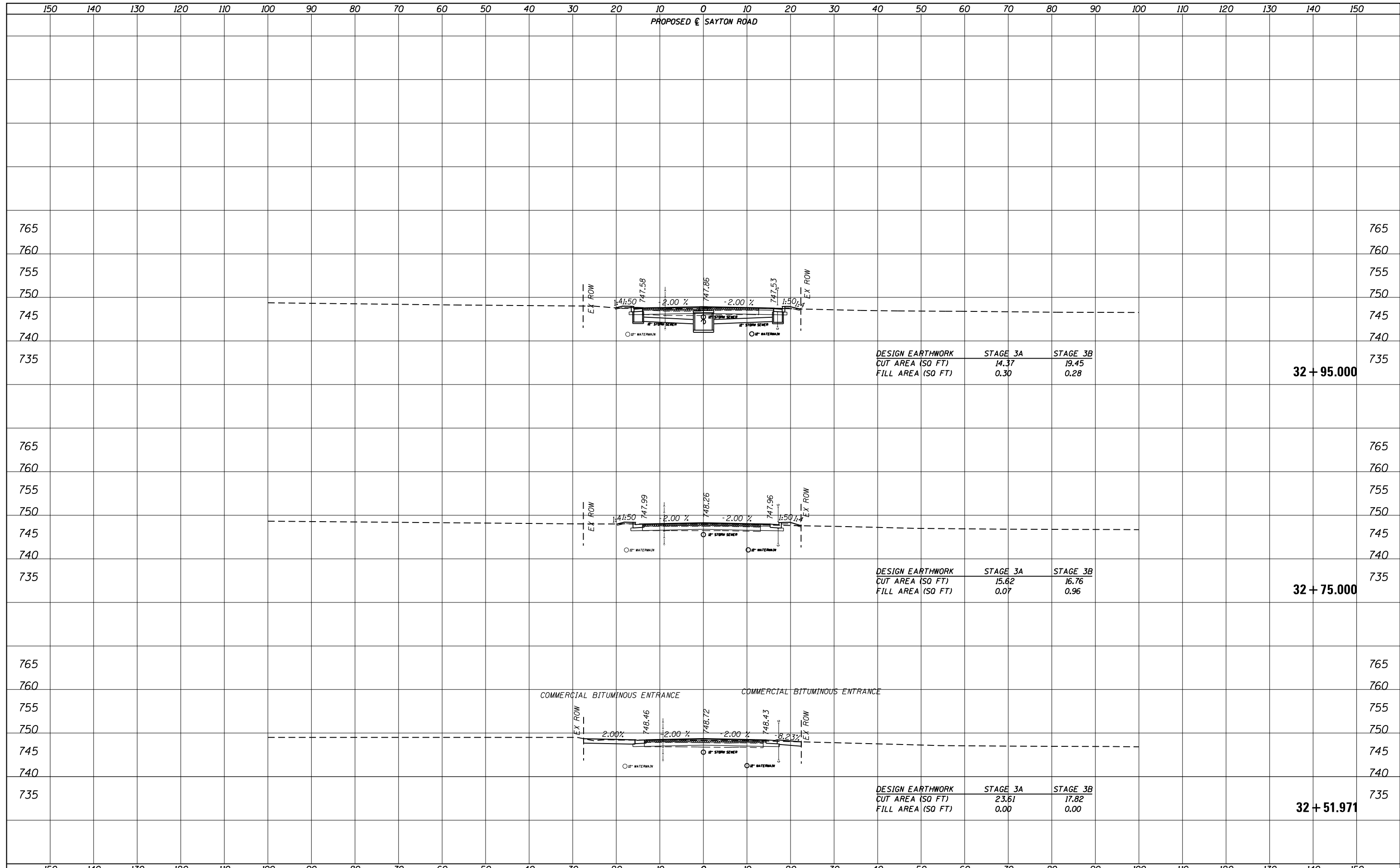
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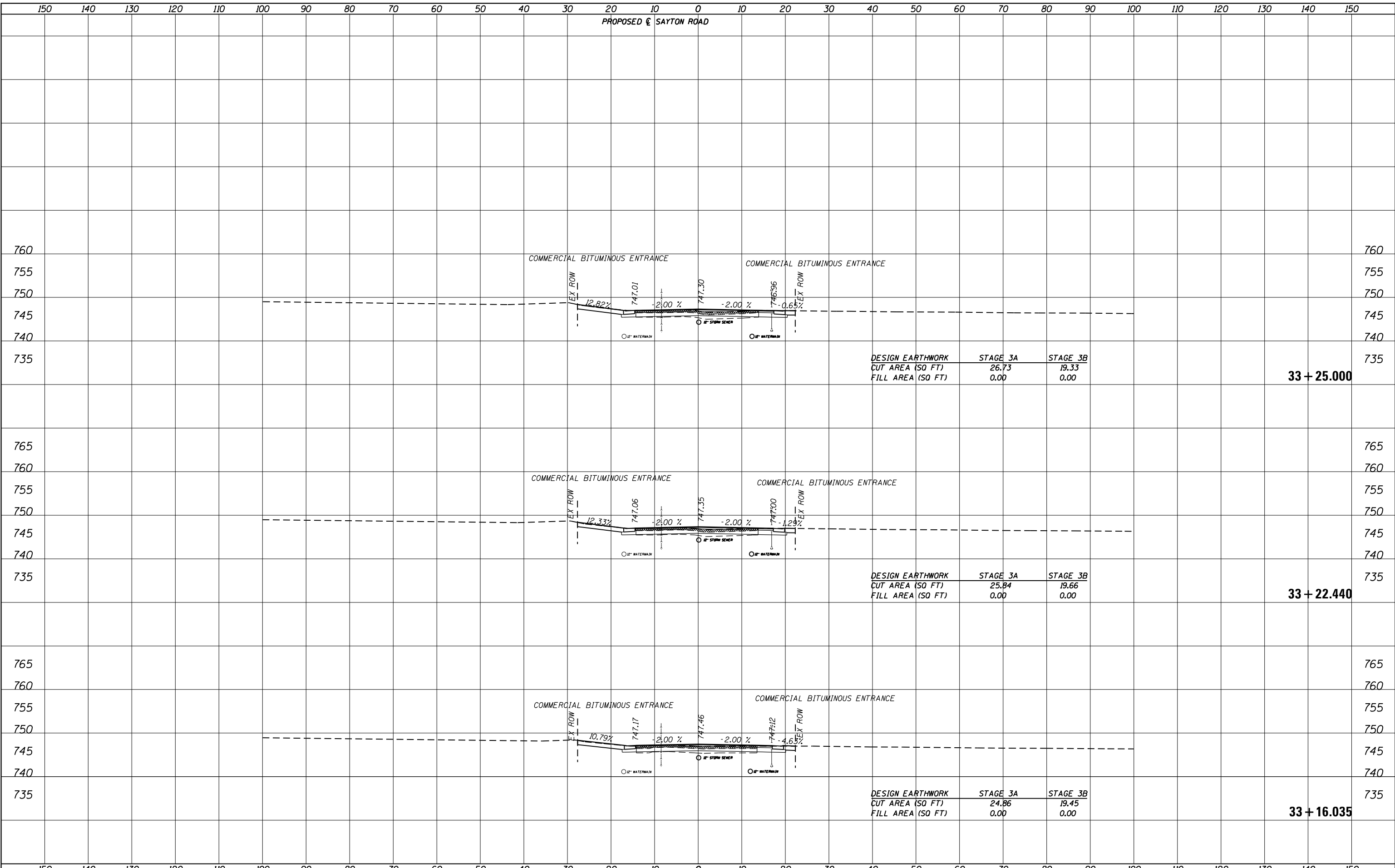
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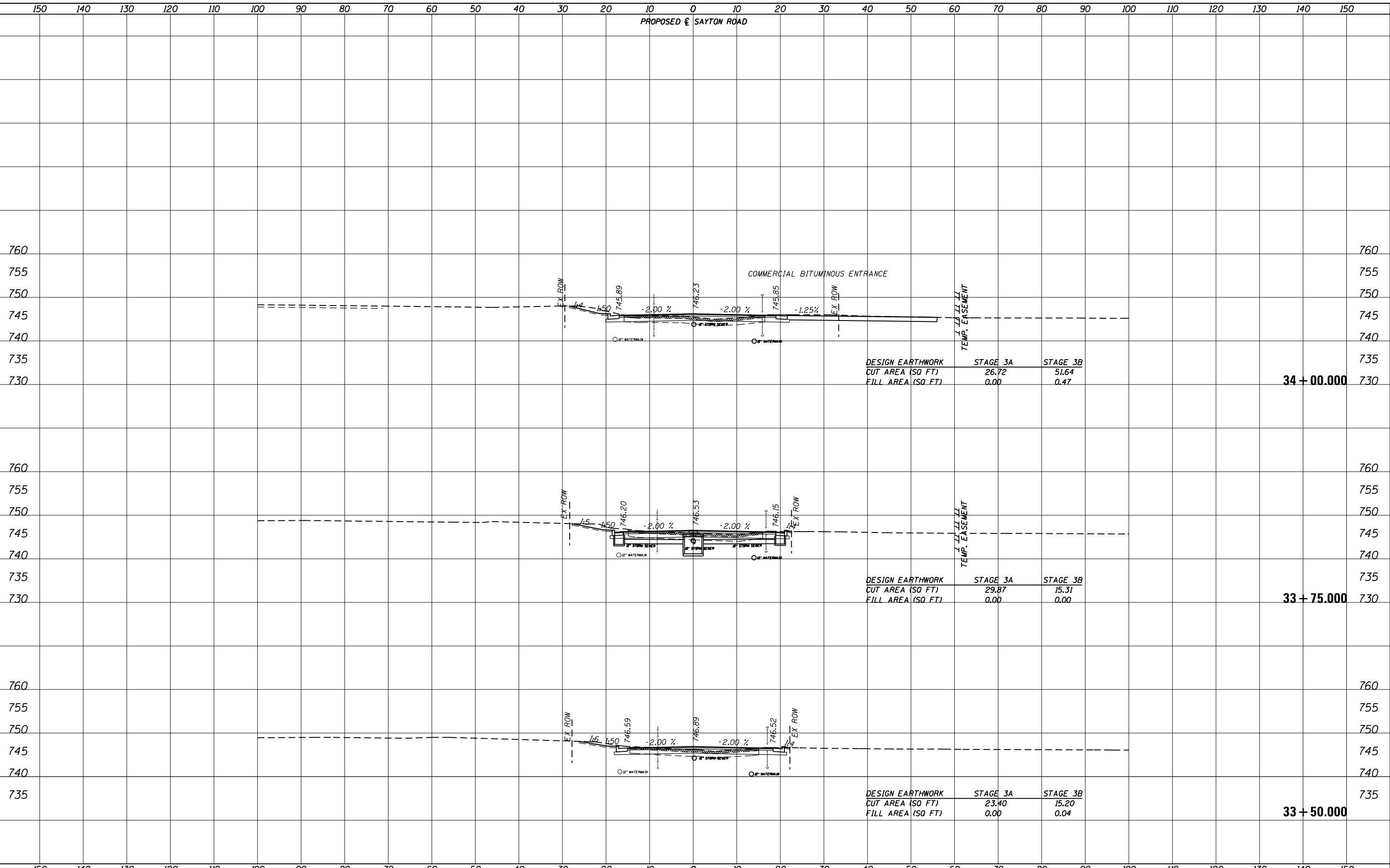
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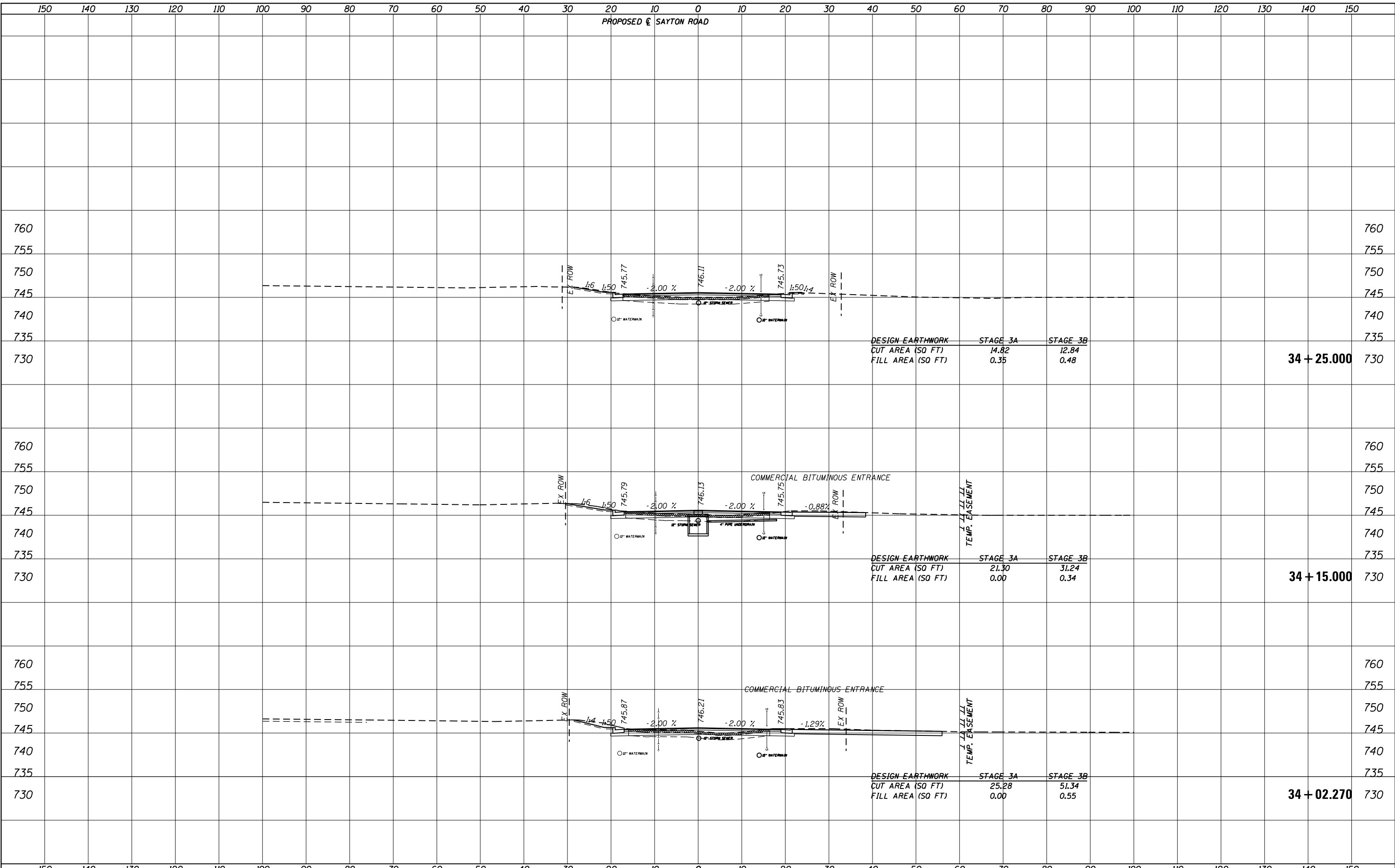
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**34 + 00.000**

**33 + 75.000**

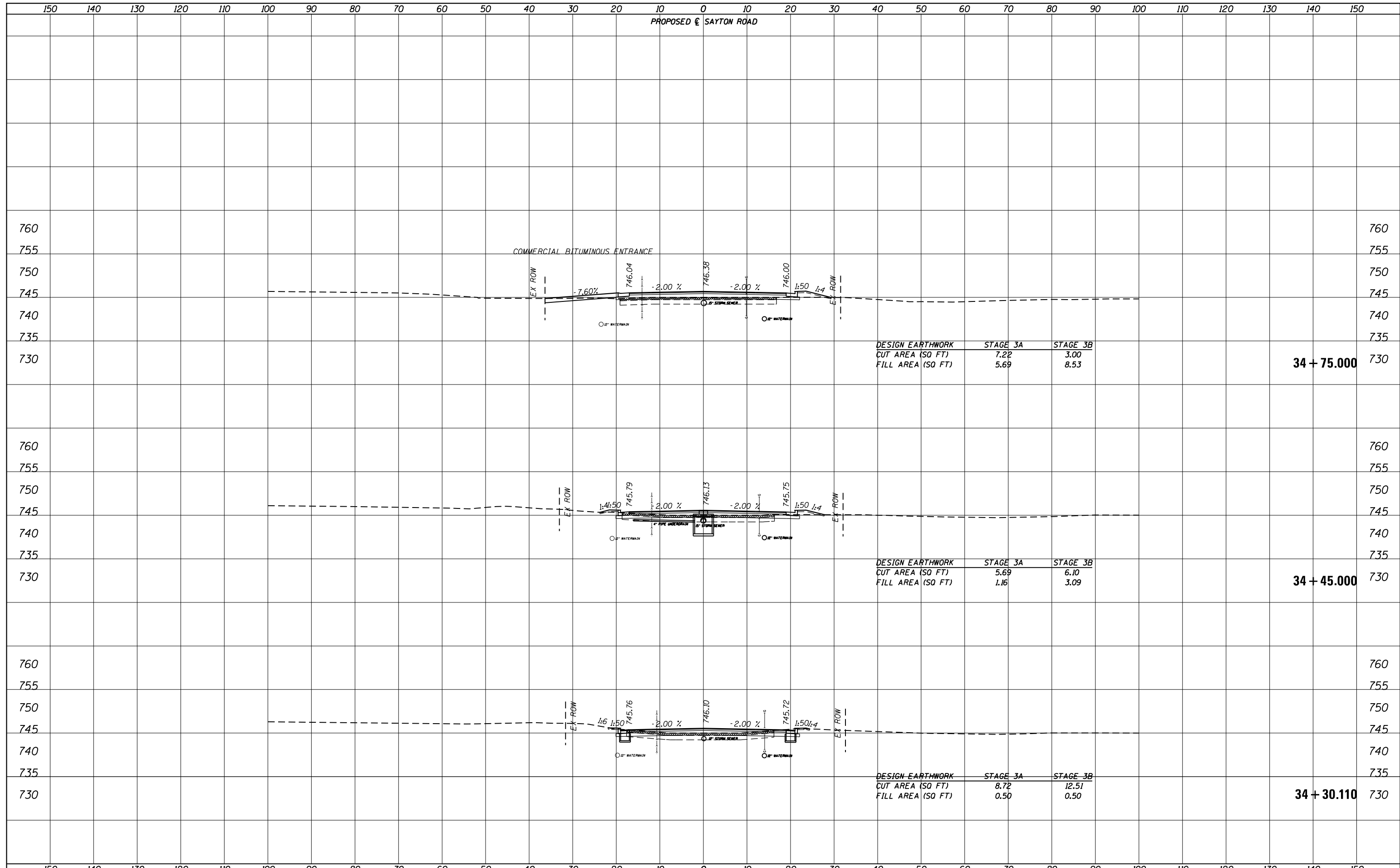
**33 + 50.000**

CONTRACT NO. 61C48



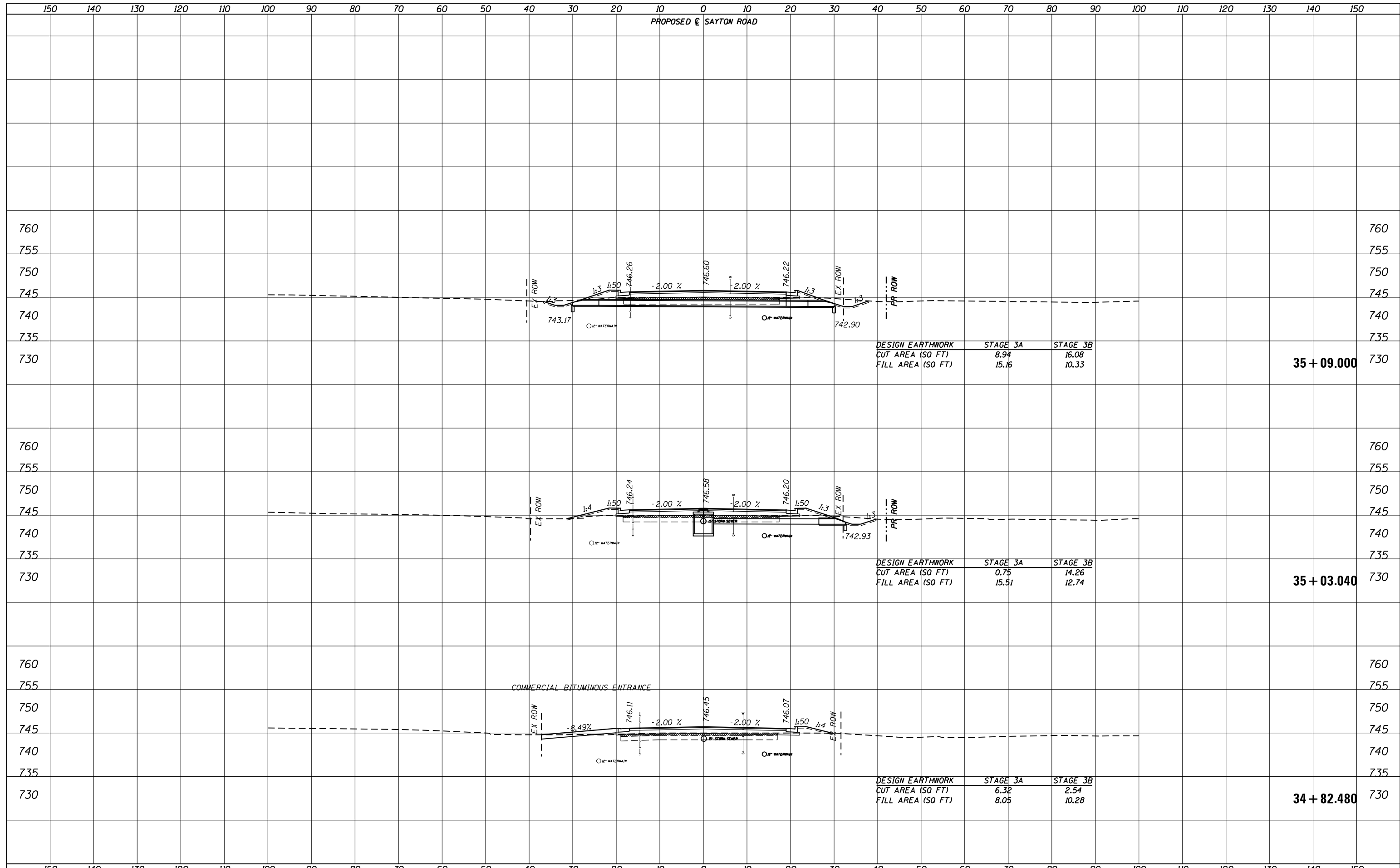
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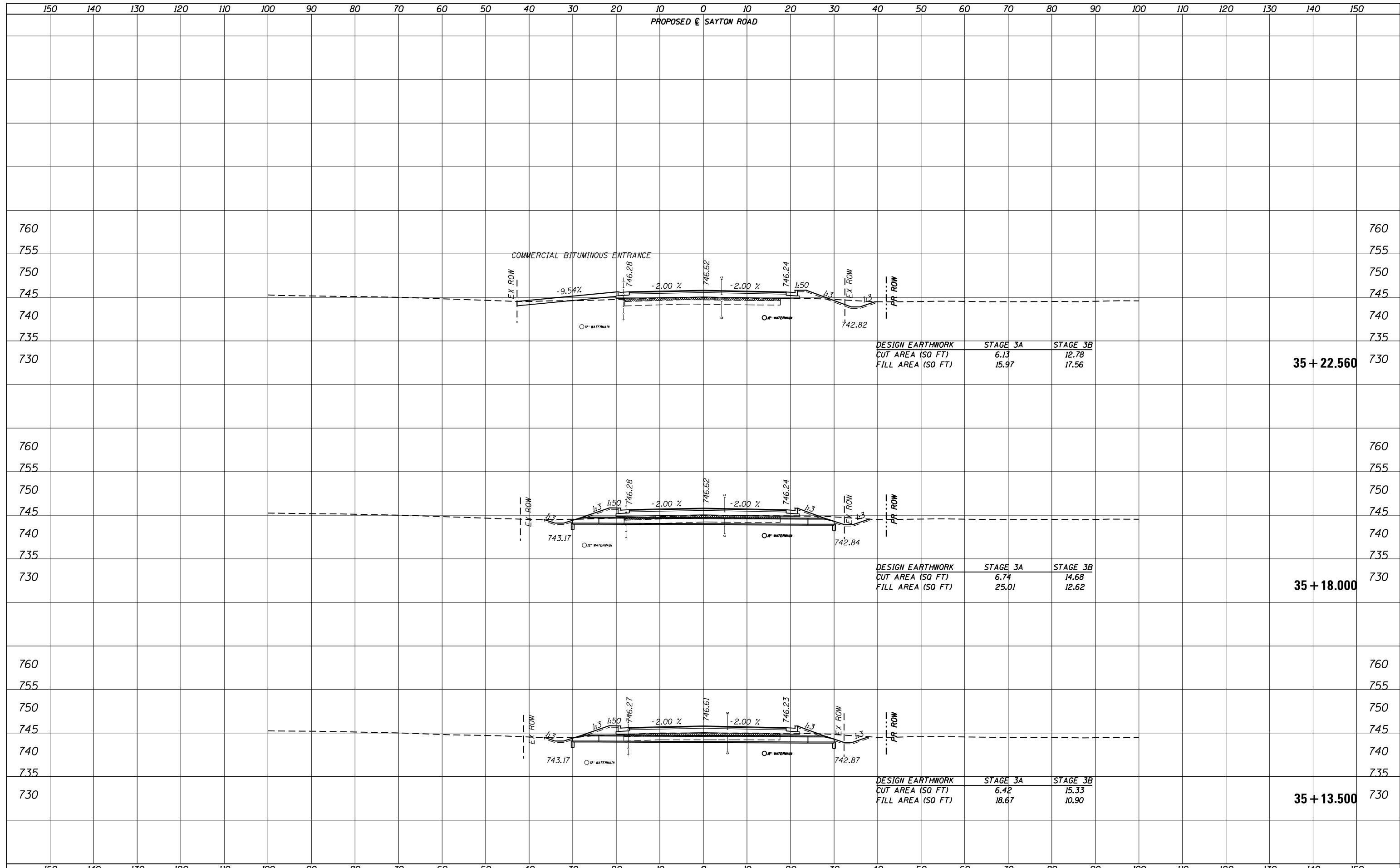
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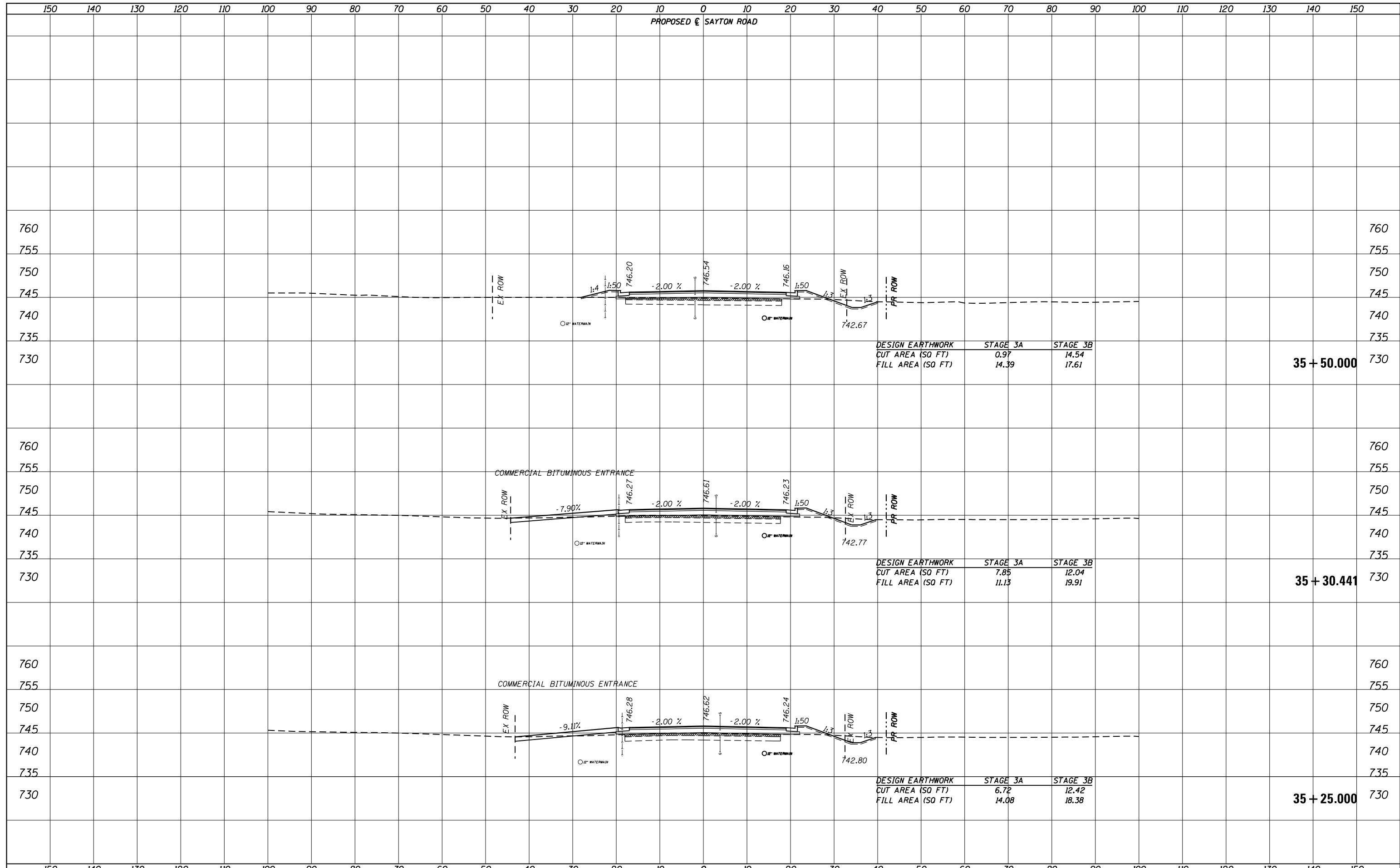
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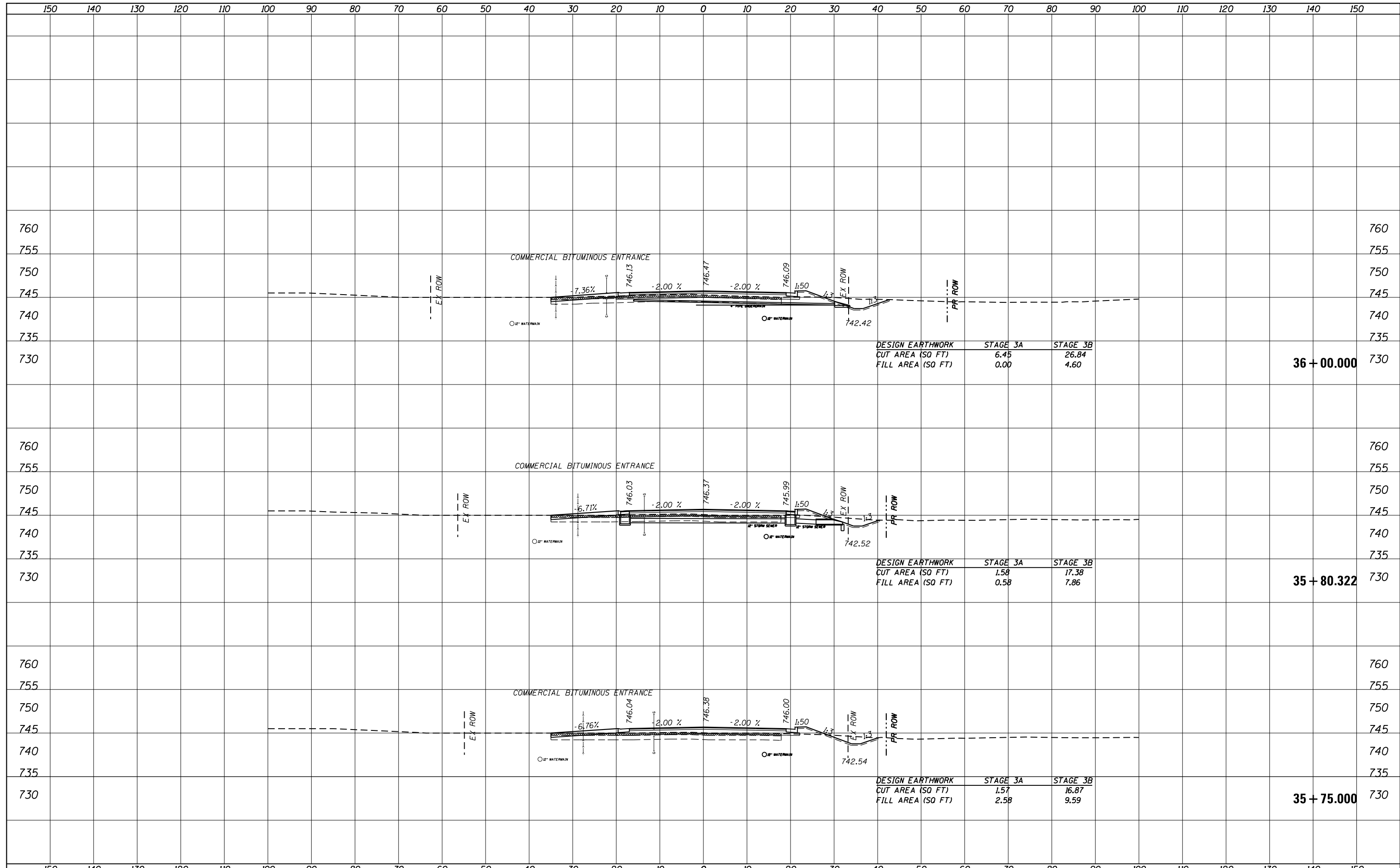
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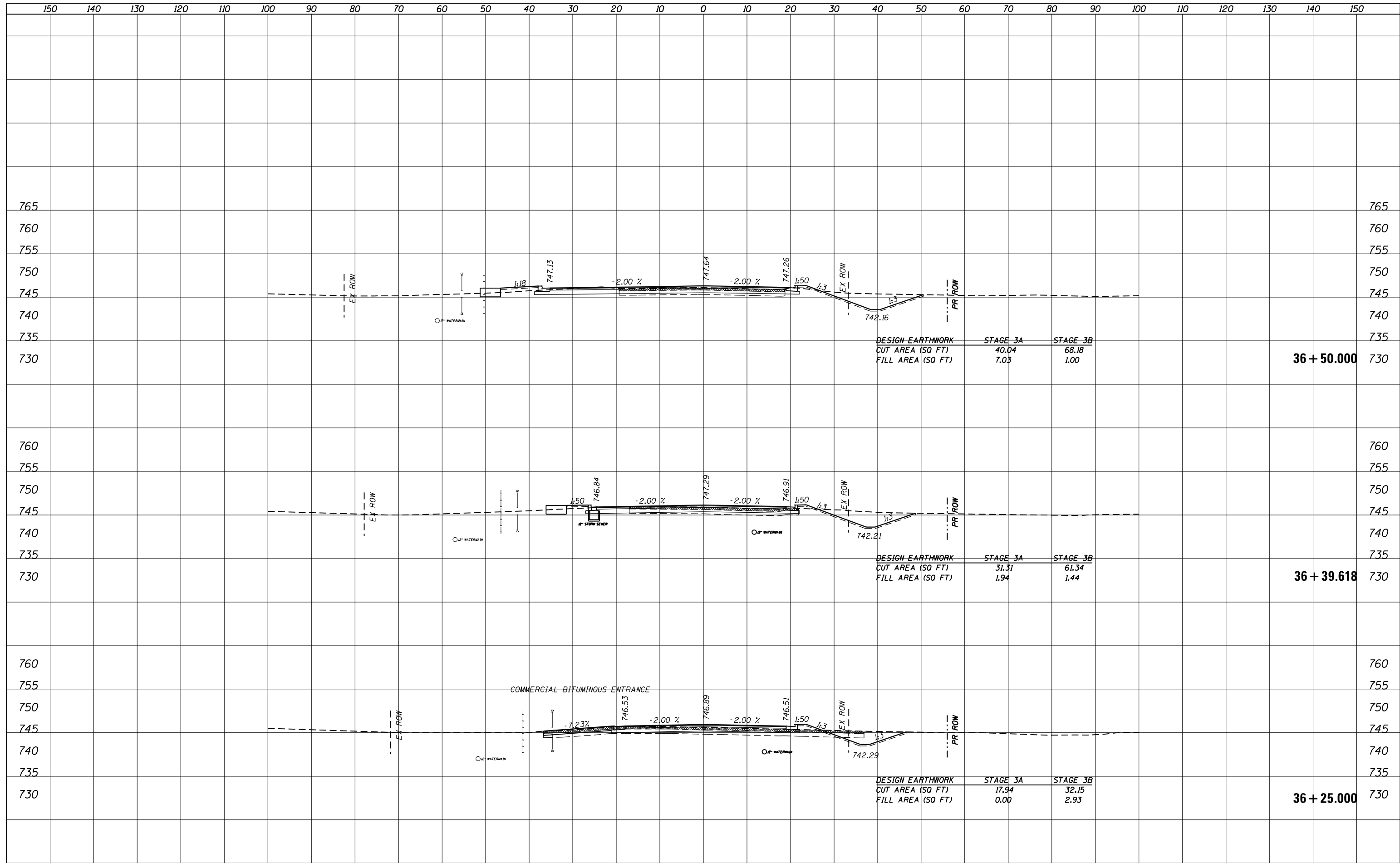
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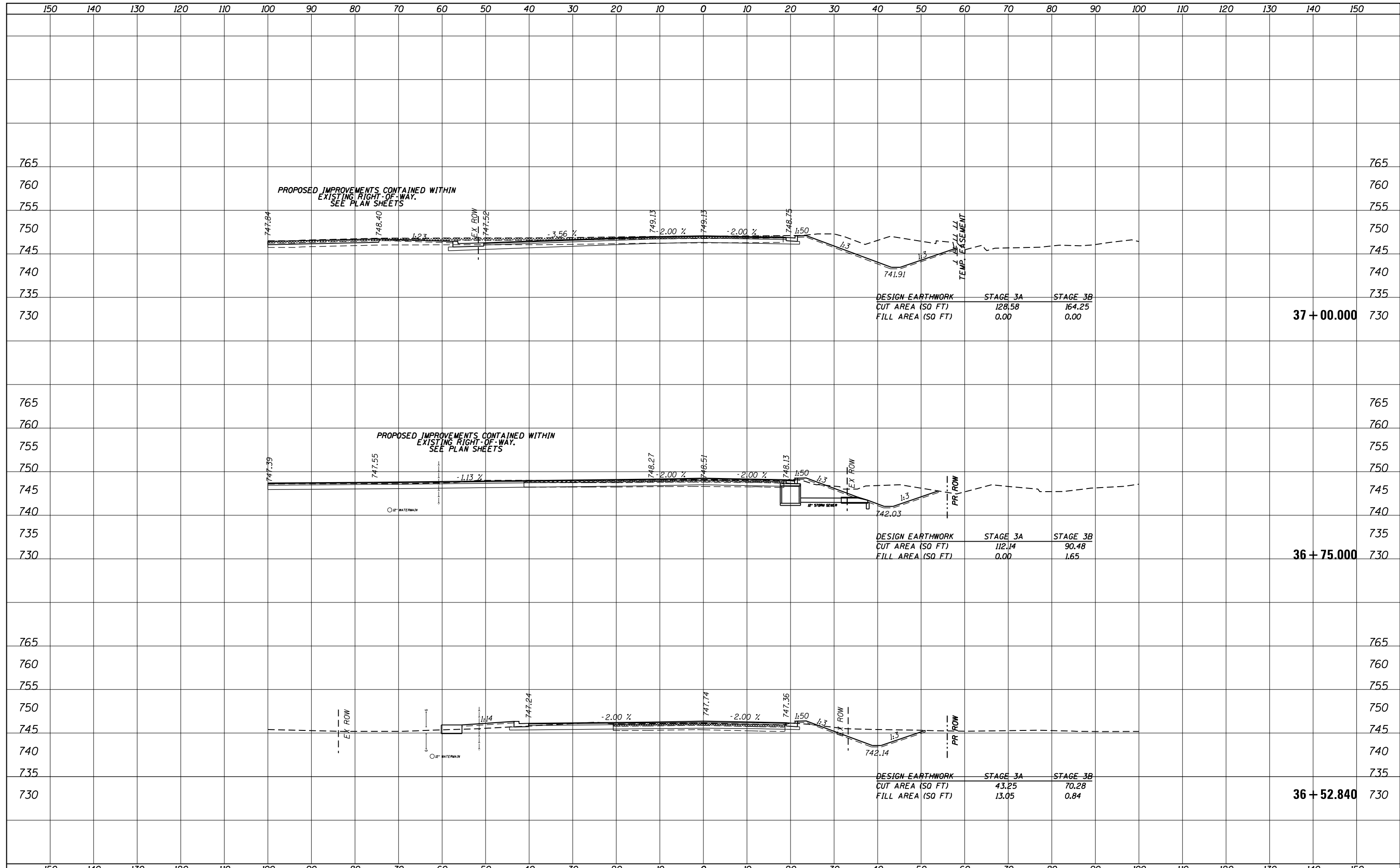
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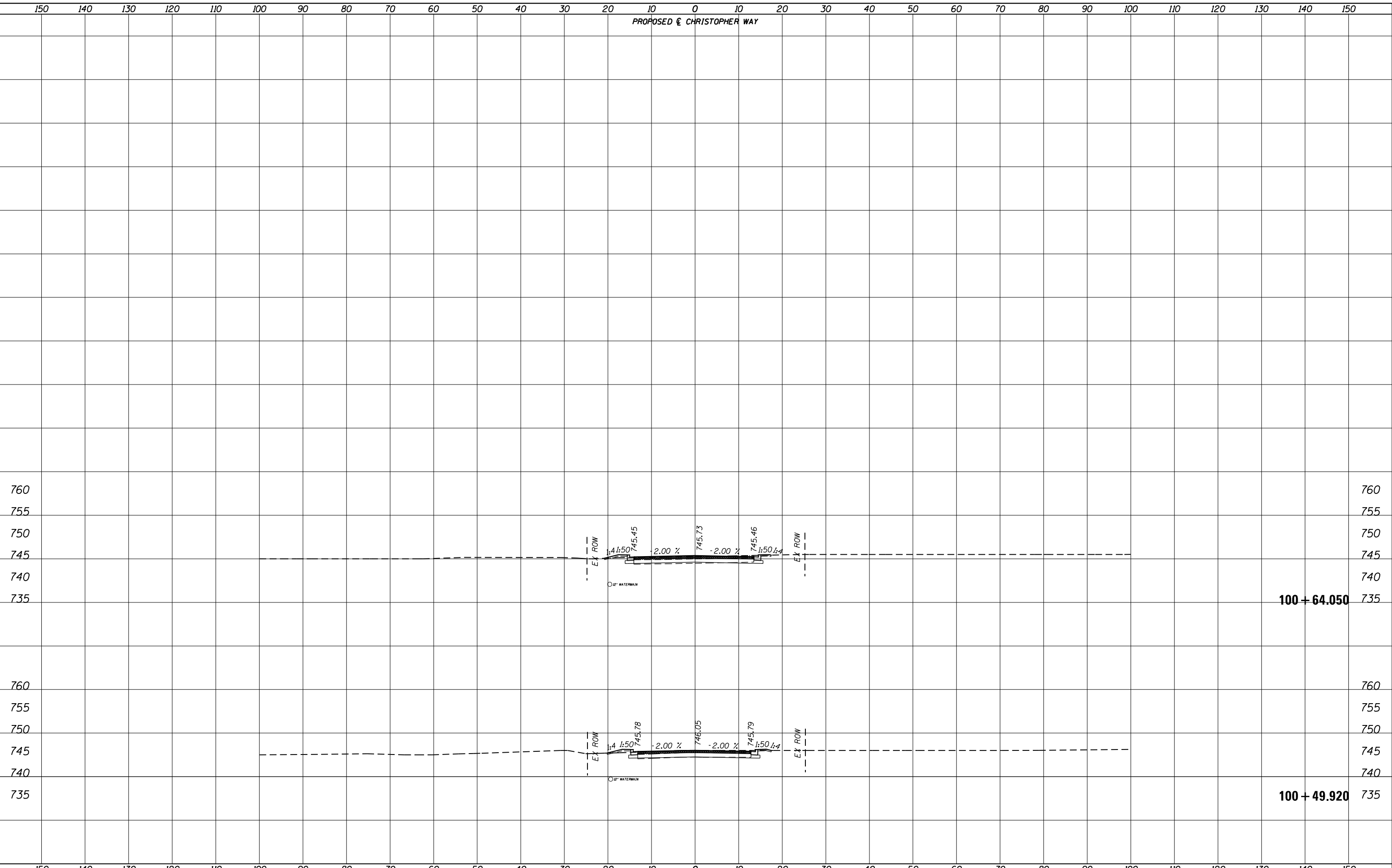
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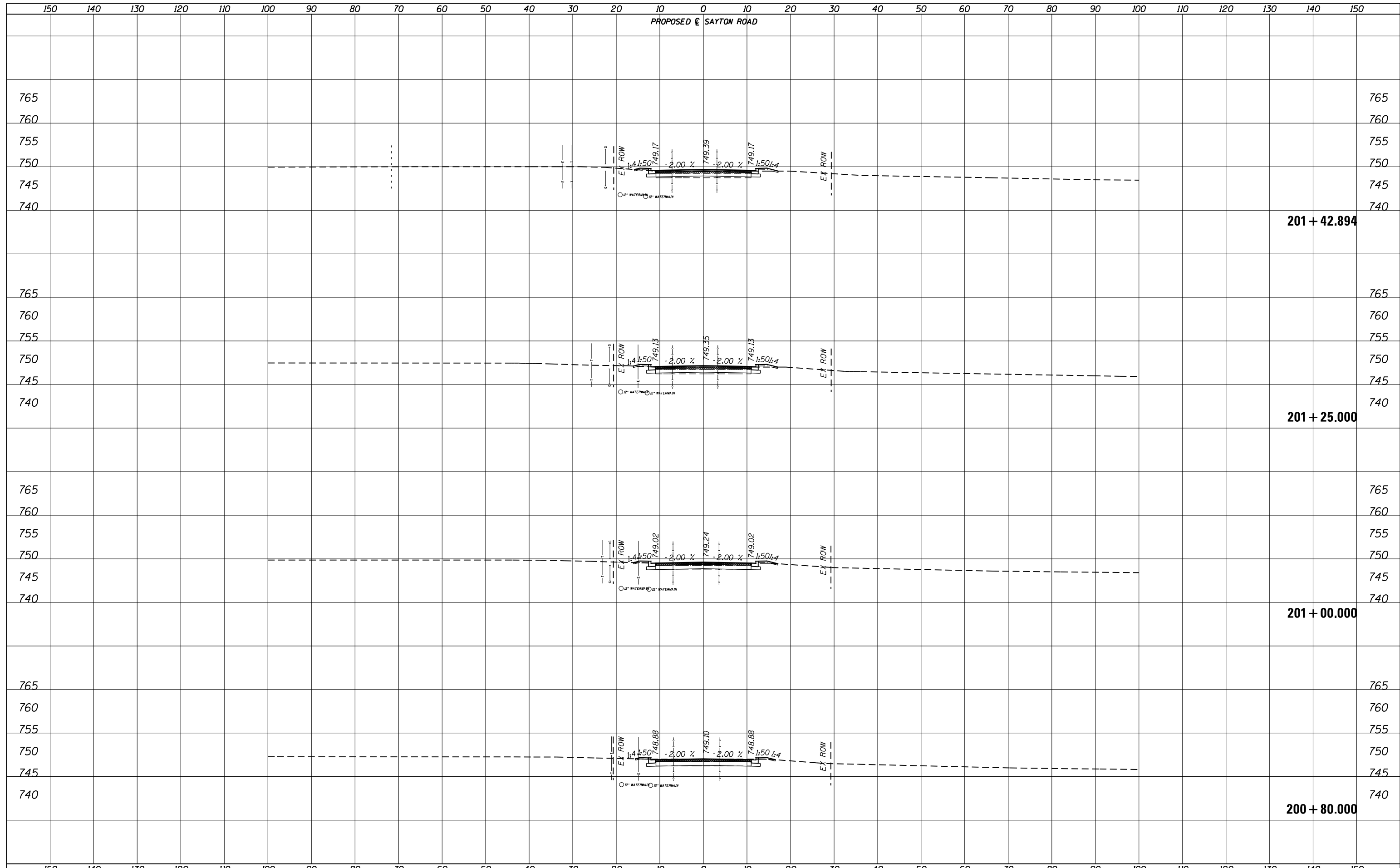
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