

LOCATION MAP

LATITUDE: N 41°15'40.34" LONGITUDE: W 84°15'55.08"

PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2026)	3800
DESIGN YEAR ADT (2046)	3800
DESIGN HOURLY VOLUME (2046)	450
DIRECTIONAL DISTRIBUTION	57.3%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	60
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
Major Collector, Minor Collector	
NHS PROJECT	No

DESIGN EXCEPTIONS

None

ADA DESIGN WAIVERS

None

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig


Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:

DISTRICT ONE

OHIO DEPARTMENT OF TRANSPORTATION
LIMA, OHIO

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

DEF-18-28.93

Richland & Highland Townships
Defiance County

INDEX OF SHEETS:

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FEDERAL PROJECT NUMBER

E200 (774)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REHABILITATION OF 4.37 MILES OF ROADWAY ON SR 18 IN
DEFIANCE COUNTY INCLUDING THE REPAIR AND REPLACEMENT
OF THE EXISTING TREATED SHOULDERS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	N/A *
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A *
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A *

* - MAINTENANCE PROJECT

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF
TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN
THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL
SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN
THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE
MAKING OF THESE IMPROVEMENTS WILL REQUIRE THE CLOSING
TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED,
AS INDICATED ON THE MAINTENANCE OF TRAFFIC SHEETS.

DISTRICT DEPUTY DIRECTOR


Christopher A. Hughes, P.E.
District 01 Deputy Director


Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	DM-4.3	1/15/16			800	1/17/25
BP-3.2	1/18/19	DM-4.4	1/15/16			832	7/19/24
BP-4.1	7/19/13					875	1/17/25
MT-97.10	4/19/19						
MT-97.12	1/20/17						
MT-99.20	4/19/19						
MT-101.60	1/17/25						
MT-101.90	7/17/20						
MT-105.10	1/17/20						
TC-41.20	10/18/13						
TC-42.20	10/18/13						
TC-52.10	10/18/13						
TC-52.20	1/15/21						

ENGINEER'S SEAL



UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SEEDING AND MULCHING 400 SQ. YD.

659, COMMERCIAL FERTILIZER 0.4 TON

659, WATER 4 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

EROSION CONTROL

THE QUANTITY BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR EROSION CONTROL.

ITEM 832 EROSION CONTROL = 1,000 EACH

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT.

ITEM 617 COMPACTED AGGREGATE, AS PER PLAN

THIS ITEM SHALL MEET ALL REQUIREMENTS FOR ITEM 617 COMPACTED AGGREGATE WITH THE FOLLOWING EXCEPTION:

1) NO RECYCLED ASPHALT CONCRETE PAVEMENT SHALL BE USED IN THIS ITEM

ALL COSTS ASSOCIATED WITH THE EQUIPMENT, LABOR AND MATERIALS NECESSARY FOR SUPPLYING AND PLACING THIS ITEM SHALL BE INCLUDED IN THE PRICE BID PER CUBIC YARD FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY AND HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006(SP).PDF

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE:

XXIV. HEAD PROTECTION (HARD HATS)
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY)
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBLTY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES."

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III APPROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

ITEM 302 ASPHALT CONCRETE BASE, (449), PG64-22, AS PER PLAN

ALL PROVISIONS OF ITEM 302 SHALL REMAIN IN EFFECT, EXEPT THAT THE DEPARTMENT WILL NOT REQUIRE THE USE OF ANTI-SEGREGATION EQUIPMENT.

EXTRA AREAS

EXTRA AREAS SHALL INCLUDE DRIVEWAYS, MAILBOX PULL-OFFS AND OTHER SIMILAR AREAS AS DETERMINED BY THE ENGINEER. DRIVEWAYS SHALL BE FEATHERED IN APPROXIMATELY 6 FEET USING ASPHALT CONCRETE. SOME DRIVES MAY REQUIRE MORE THAN 6 FEET TO ALLOW FOR ADEQUATE TRANSITION TO THE MAINLINE PAVEMENT. THESE TRANSITIONS WILL BE AS DIRECTED BY THE ENGINEER. THE ASPHALT CONCRETE QUANTITIES FOR DRIVES AND MAILBOXES ARE INCLUDED IN THE EXTRA AREA QUANTITIES IN THE PAVEMENT DATA TABLE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATING OF MATERIALS FROM ALL STONE DRIVEWAYS AND MAILBOX APPROACHES TO MAINTAIN THE EXISTING ASPHALT APRON WIDTHS, AS DETERMINED BY THE ENGINEER, EXCAVATE TO A DEPTH OF 2 INCHES BELOW EXISTING PAVEMENT. EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN RESPONSIBILITY OUTSIDE THE LIMITS OF THE HIGHWAY RIGHT OF WAY.

ALL WORK, MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE ABOVE DESCRIBED WORK SHALL BE INCIDENTAL TO THE PLACEMENT OF THE ASPHALT CONCRETE. THE ASPHALT CONCRETE QUANTITIES FOR DRIVEWAYS, MAILBOX PULL-OFFS AND OTHER SIMILAR AREAS ARE INCLUDED IN THE EXTRA AREA QUANTITIES IN THE PAVEMENT DATA TABLE.

ITEM 209 PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN.

PREPARE THE SHOULDER FOR PAVING A CONSISTENT SAFETY EDGE IN BOTH THICKNESS AND WIDTH.

PRIOR TO PAVING THE SAFETY EDGE, GRADE AN AREA 10 INCHES (250 MM) WIDE, BEGINNING AT THE EDGE OF THE PAVED ROADWAY, TO PROVIDE A LEVEL SURFACE FREE OF VEGETATION FOR CONSTRUCTION OF THE SAFETY EDGE. IF NECESSARY, EXCAVATE THE GRADED AREA TO THE DEPTH NEEDED TO CONSTRUCT THE SAFETY EDGE. COMPACT THE GRADED SHOULDER ACCORDING TO 617.05, OR AS DIRECTED BY THE ENGINEER.

A QUANTITY OF 8.74 MILES HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN.

SAFETY EDGE PLAN NOTE

IN ADDITION TO THE REQUIREMENTS OF 401.12, ATTACH A DEVICE TO THE SCREED OF THE PAVER THAT CONFINES THE MATERIAL AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A COMPACTED WEDGE SHAPE PAVEMENT EDGE OF APPROXIMATELY 30 DEGREES (NOT STEEPER THAN 40 DEGREES). ENSURE THE DEVICE MAINTAINS CONTACT WITH THE EXISTING SURFACE, AND ALLOW FOR AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS. DO NOT USE CONVENTIONAL SINGLE PLATE STRIKE OFF.

CONSTRUCTION OF SAFETY EDGE CAN BE OMITTED AT LOCATIONS WHERE EXISTING WIDTH OF GRADED SHOULDER OR BERM IS LESS THAN 12". PROJECTS WITH VARYING CONDITIONS SHOULD USE SAFETY EDGE WHERE POSSIBLE. PLAN PREPARATION HAS MADE EVERY REASONABLE ATTEMPT TO IDENTIFY POSSIBLE SAFETY EDGE LOCATIONS.

USE THE TRANSTECH SHOULDER WEDGE MAKER, THE CARLSON SAFETY EDGE END GATE, THE ADVANT-EDGER, THE RAMP CHAMP SERIES II WITH SAFETY EDGE SHOE, THE TROXLER SAFETSLOPE, OR A SIMILAR APPROVED-EQUAL DEVICE THAT PRODUCES THE SAME WEDGE CONSOLIDATION RESULTS. CONTACT INFORMATION FOR THESE WEDGE SHAPE COMPACTION DEVICES IS THE FOLLOWING:

TransTech Systems, Inc.
1594 State Street
Schenectady, NY 12304
1-800-724-6306
www.transtechsys.com

Carlson Safety Edge End Gate
18425 50th Avenue East
Tacoma, WA 98446
253-875-8000
www.carlsonpavingproducts.com

Advant-Edge Paving Equipment LLC
33 Old Niskayuna Rd.
Loudonville, NY 12211
814-422-EDGE (3343)
www.advantedgepaving.com

Troxler Electronic Laboratories, Inc.
3008 E. Cornwallis Rd.
PO Box 12057
Research Triangle Park, NC 27709
1-877-TROXLER (876-9537)
www.troxlerlabs.com

IF ELECTING TO USE A SIMILAR DEVICE, PROVIDE PROOF THAT THE DEVICE HAS BEEN USED ON PREVIOUS PROJECTS WITH ACCEPTABLE RESULTS OR CONSTRUCT A TEST SECTION PRIOR TO THE BEGINNING OF WORK AND DEMONSTRATE WEDGE COMPACTION TO THE SATISFACTION OF THE ENGINEER. SHORT SECTIONS OF HANDWORK WILL BE ALLOWED WHEN NECESSARY FOR TRANSITIONS AND TURNOUTS OR OTHERWISE AUTHORIZED BY THE ENGINEER.

IN ADDITION TO THE REQUIREMENTS OF 401.16, MAKE THE FIRST ROLLER PASS 8 TO 12 INCHES (200 TO 300 MM) AWAY FROM TAPERED EDGE. DO NOT ROLL THE TAPER.

DESIGN AGENCY



DESIGNER

ISR

REVIEWER

MPB 02-14-25

PROJECT ID

110716

SHEET

P.2

TOTAL

8

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON THIS SHEET. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$4,500 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

SR 18 WILL BE
CLOSED
FOR 45 DAYS
INFO: 419-222-9055

W20-H13-60

NOTE: THE CONTRACTOR IS
TO SUPPLY THE DATE

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

BEGIN PROJECT SR 18
INTERSECTION OF SR 18 & Fruit Ridge Rd
INTERSECTION OF SR 18 & Standley Rd
INTERSECTION OF SR 18 & Standley Rd
INTERSECTION OF SR 18 & Harris Rd
INTERSECTION OF SR 18 & Harris Rd
INTERSECTION OF SR 18 & Hagy Rd
INTERSECTION OF SR 18 & Snyder Rd
INTERSECTION OF SR 18 & Snyder Rd
INTERSECTION OF SR 18 & Defiance Henry Co Line Rd
INTERSECTION OF SR 18 & Defiance Henry Co Line Rd
END PROJECT SR 18

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

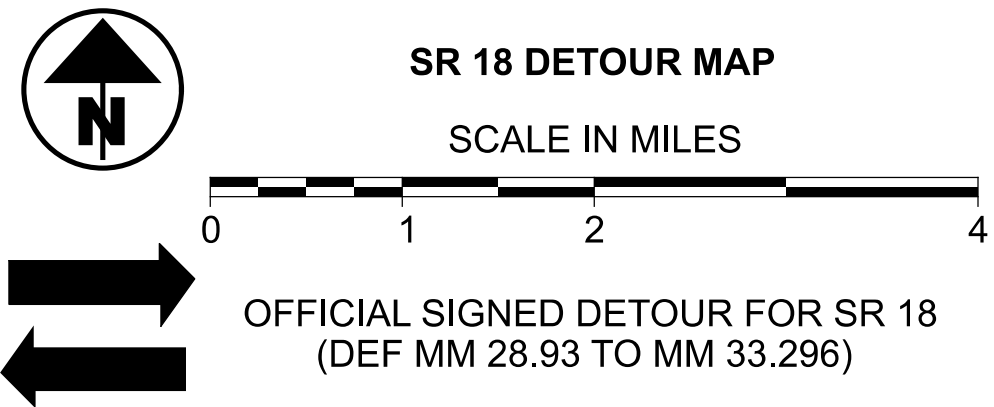
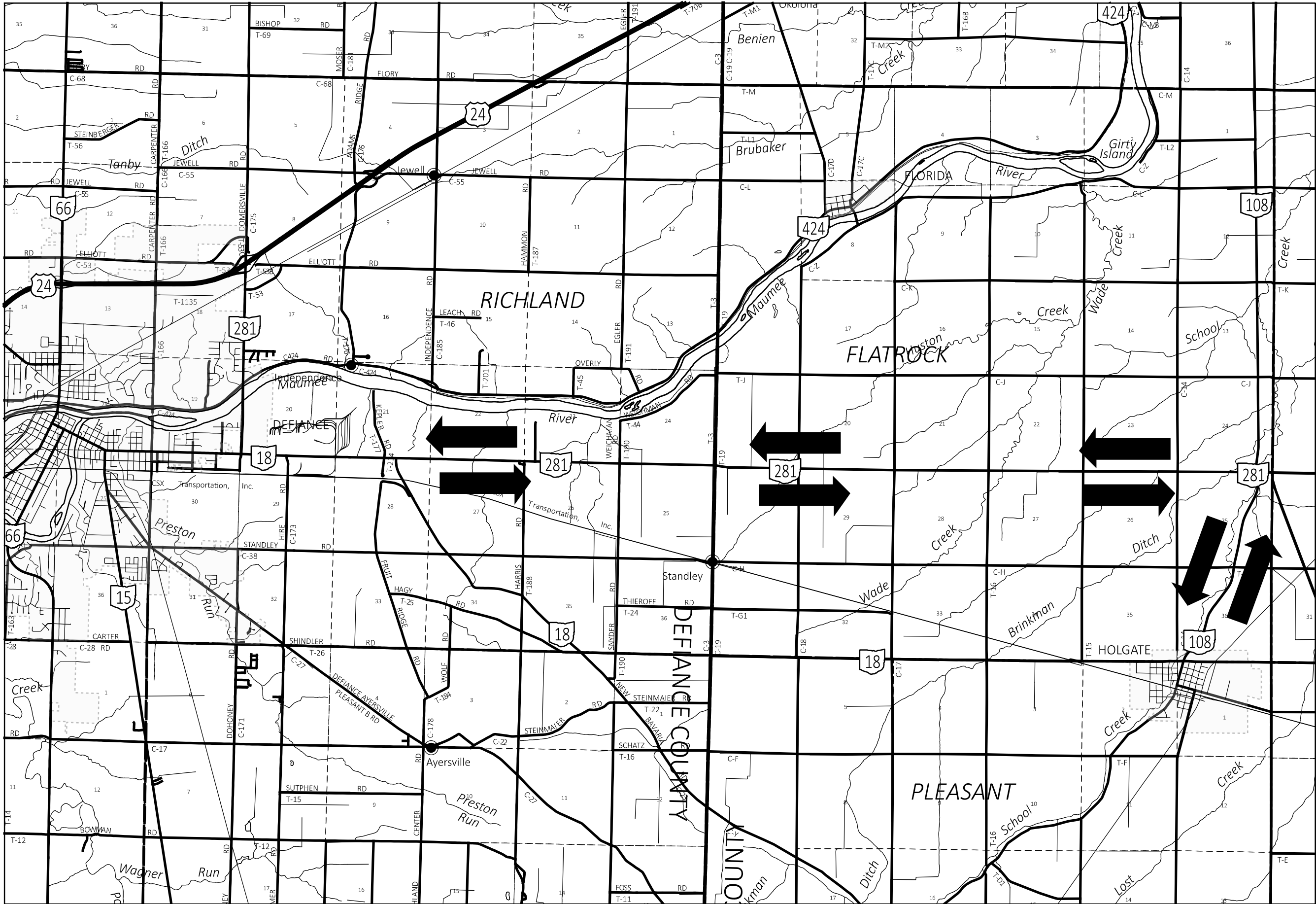
INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES AND RESTRICTIONS	> = 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

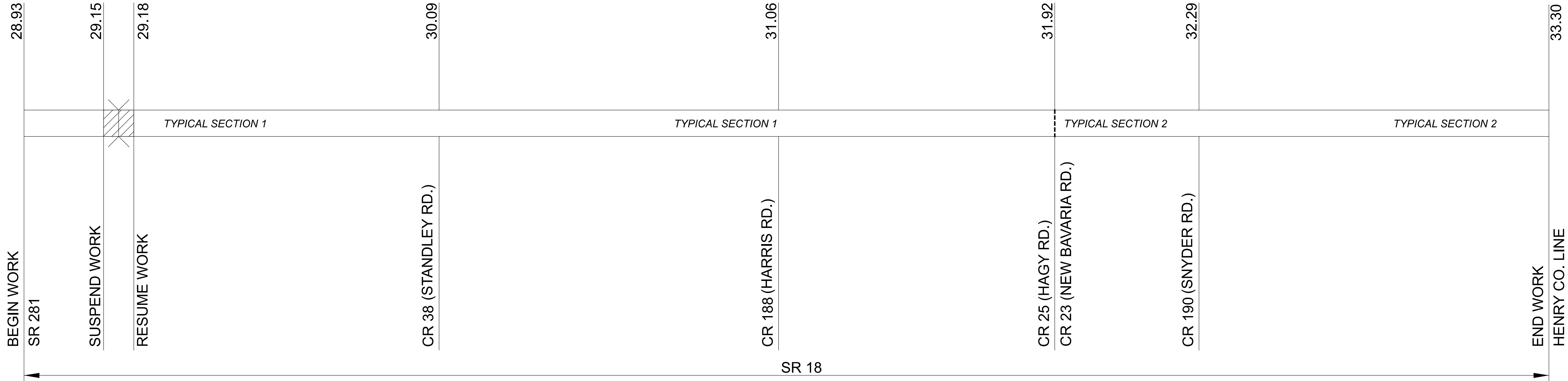
ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 1½" INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY WHERE LOCAL TRAFFC IS MAINTAINED FOR ACCESS TO ADJACENT PROPERTY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDE BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

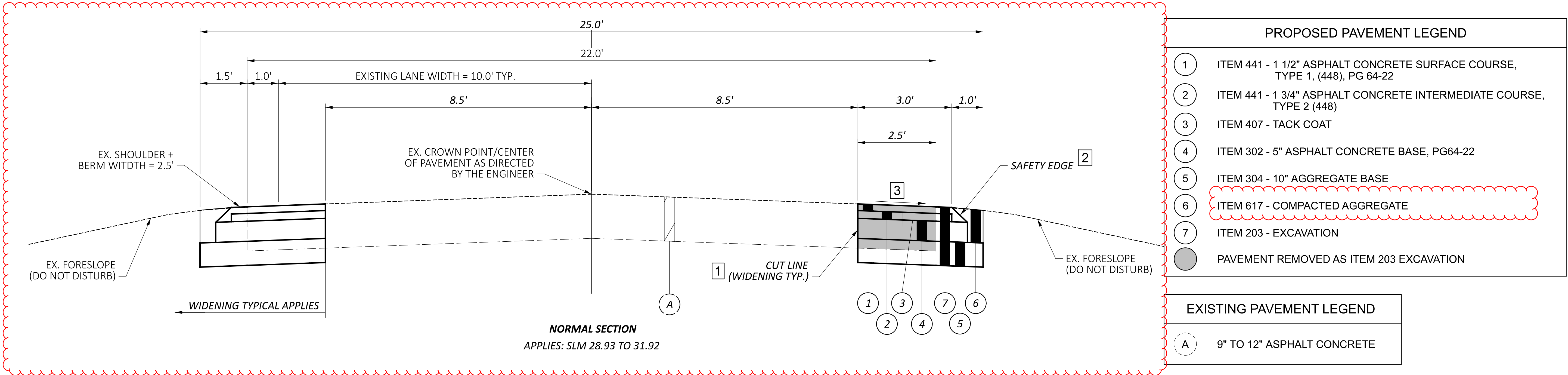


NOTE: DRAWINGS NOT TO SCALE



NOTES:

- 1 THE EXISTING PAVEMENT EDGES SHALL BE CUT TO LOCATE A SOUND PAVEMENT EDGE AS PER CMS 203.04.E. THE CONTRACTOR SHALL PROVIDE A NEAT LINE AS OUTLINED IN THE REFERENCED CMS SPECIFICATION ABOVE.
- 2 SEE SAFETY EDGE DETAIL AND NOTES FOR ADDITIONAL INFORMATION AND QUANTITIES.
- 3 MATCH EXISTING ASPHALT CROSS SLOPE. ADJUST STONE SHOULDER CROSS SLOPES TO TIE INTO EXISTING EDGE OF SHOULDER ELEVATIONS.



TYPICAL SECTIONS

DESIGN AGENCY



DESIGNER

ISR

REVIEWER

MPB 02-14-25

PROJECT ID

110716

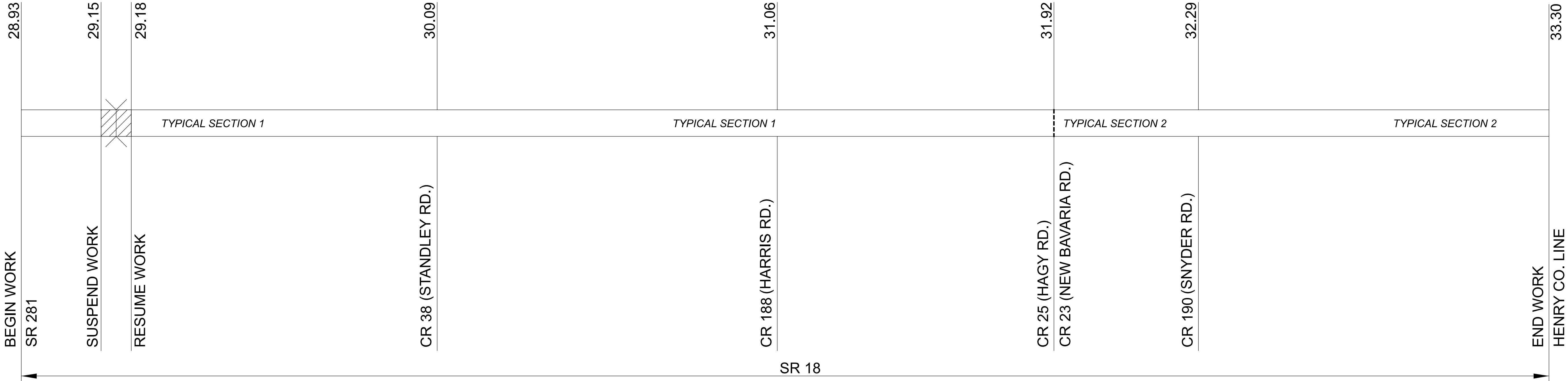
SHEET

P.4

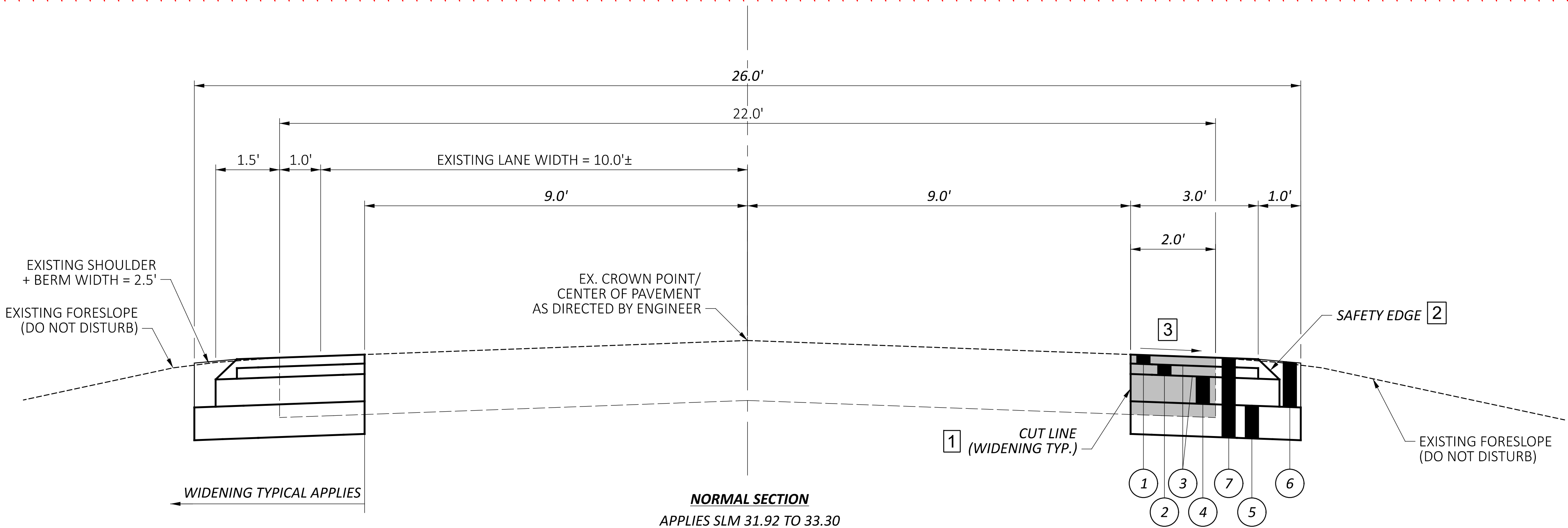
TOTAL

8

NOTE: DRAWINGS NOT TO SCALE



- NOTES:
- 1 THE EXISTING PAVEMENT EDGES SHALL BE CUT TO LOCATE A SOUND PAVEMENT EDGE AS PER CMS 203.04.E. THE CONTRACTOR SHALL PROVIDE A NEAT LINE AS OUTLINED IN THE REFERENCED CMS SPECIFICATION ABOVE.
 - 2 SEE SAFETY EDGE DETAIL AND NOTES FOR ADDITIONAL INFORMATION AND QUANTITIES.
 - 3 MATCH EXISTING ASPHALT CROSS SLOPE. ADJUST STONE SHOULDER CROSS SLOPES TO TIE INTO EXISTING EDGE OF SHOULDER ELEVATIONS.



PROPOSED PAVEMENT LEGEND	
1	ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22
2	ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448)
3	ITEM 407 - TACK COAT
4	ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22
5	ITEM 304 - 10" AGGREGATE BASE
6	ITEM 617 - COMPACTED AGGREGATE
7	ITEM 203 - EXCAVATION
	PAVEMENT REMOVED AS ITEM 203 EXCAVATION

EXISTING PAVEMENT LEGEND	
A	9" TO 12" ASPHALT CONCRETE

TYPICAL SECTIONS

DESIGN AGENCY



DESIGNER

ISR

REVIEWER

MPB 02-14-25

PROJECT ID

110716

SHEET

P.5

TOTAL

8

INTERSECTION	PLAN SPLITS	TYPICAL SECTION	SLM	SIDE	LENGTH	PAVT AREA	203	407	441	441	302	304	617	642	875
							EXCAVATION	TACK COAT	ASPHALT CONCRETE SURFACE COURSE TYPE 1 (448), PG64-22	ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 (448)	ASPHALT CONCRETE BASE, PG64-22 (449), AS PER PLAN	AGGREGATE BASE	COMPACTED AGGREGATE, AS PER PLAN	EDGE LINE, 6", TYPE 1	LONGITUDINAL JOINT ADHESIVE
							THICKNESS 18 1/4"		THICKNESS 1 1/2"	THICKNESS 1 3/4"	THICKNESS 5"	THICKNESS 10"	2 INCH AVG. TH.		1LB PER 4FT
					FEET	SY	CY	GAL	CY	CY	CY	CY	CY	MILE	LBS
Fruit Ridge Rd	01/STR	1	29.356	R	83.41	27.80	18.8	4.7	1.2	1.4	4.5	10.3	1.97	0.02	20.9
Standley Rd	01/STR	1	30.093	R	85.82	28.61	19.3	4.9	1.2	1.4	4.6	10.6	2.02	0.02	21.5
Standley Rd	01/STR	1	30.093	L	79.39	26.46	17.9	4.5	1.1	1.3	4.3	9.8	1.87	0.02	19.8
Harris Rd	01/STR	1	31.061	R	97.64	32.55	22.0	5.5	1.4	1.6	5.3	12.1	2.30	0.02	24.4
Harris Rd	01/STR	1	31.061	L	69.58	23.19	15.7	3.9	1.0	1.1	3.8	8.6	1.64	0.01	17.4
Hagy Rd	02/NFA	2	31.924	R	138.17	46.06	31.1	7.8	1.9	2.2	7.5	17.1	3.26	0.03	34.5
Snyder Rd	02/NFA	2	32.288	R	44.6	14.87	10.0	2.5	0.6	0.7	2.4	5.5	1.05	0.01	11.2
Snyder Rd	02/NFA	2	32.288	L	51.12	17.04	11.5	2.9	0.7	0.8	2.8	6.3	1.21	0.01	12.8
Defiance Henry Co Line Rd	02/NFA	2	33.296	R	21.12	7.04	4.8	1.2	0.3	0.3	1.1	2.6	0.50	0.00	5.3
Defiance Henry Co Line Rd	02/NFA	2	33.296	L	21.12	7.04	4.8	1.2	0.3	0.3	1.1	2.6	0.50	0.00	5.3
01/STR					415.84	138.61	93.7	23.6	5.8	6.7	22.5	51.3	9.8	0.08	104.0
02/NFA					276.13	92.04	62.2	15.6	3.8	4.5	14.9	34.1	6.5	0.05	69.0
TOTALS					692	231	155.9	39.2	9.6	11.2	37.4	85.4	16.3	0.13	173

PAVEMENT DATA

ROUTE	FROM	TO	DISTANCE		PAVT WIDTH	TYPICAL SECTION	PLAN SPLITS	PAVT AREA	203	407	441		302	304		617	642	644	875
									EXCAVATION	TACK COAT	ASPHALT CONCRETE SURFACE COURSE TYPE 1 (448), PG64-22	ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 (448)	ASPHALT CONCRETE BASE, PG64-22 (449), AS PER PLAN	AGGREGATE BASE	AGGREGATE BASE	COMPACTED AGGREGATE AS PER PLAN	EDGE LINE, 6", TYPE 1	STOP LINE	LONGITUDINAL JOINT ADHESIVE
									THICKNESS 18 1/4"		THICKNESS 1 1/2"	THICKNESS 1 3/4"	THICKNESS 5"	QUANTITY FOR DRIVEWAYS	THICKNESS 10"				1 LB. PER 4FT.
	SLM	SLM	MILES	FEET	FEET			SY	CY	GAL	CY	CY	CY	CY	CY	CY	MILE	FT	LB
SR 18	28.93	29.15	0.22	1162	6.00	1	01/STR	774	523	132	32	38	125		287	55	0.44		581
SR 18	29.15	29.18	0.03	Bridge No Work			01/STR										0.06		
SR 18	29.18	31.06	1.88	9926	6.00	1	01/STR	6618	4473	1125	276	322	1072	16	2451	468	3.76		4963
SR 18	31.06	31.92	0.86	4541	6.00	1	02/NFA	3027	2046	515	126	147	491	10	1121	214	1.72	12	2270
SR 18	31.92	33.30	1.38	7286	6.00	2	02/NFA	4858	3283	826	202	236	787	7	1799	344	2.76	12	3643
Extra Areas								264		45	11	4							
Intersections			-0.13	-692				-231	-156	-39	-10	-11	-37		-85	-16	-0.13		-173
Saftey Edge							01/STR				37								
Saftey Edge							02/NFA				40								
01/STR			2.10	11088				7381	4903	1255	344	354	1175	16	2687	513	4.18	0	5440
02/NFA			2.24	11827				7929	5267	1348	370	381	1263	17	2886	551	4.43	24	5845
TOTALS								15310	10170	2603	714	735	2438	33	5573	1064	8.61	24	11285

PAVEMENT SUB-SUMMARY

DESIGN AGENCY



DESIGNER

ISR

REVIEWER

MPB 02-14-25

PROJECT ID

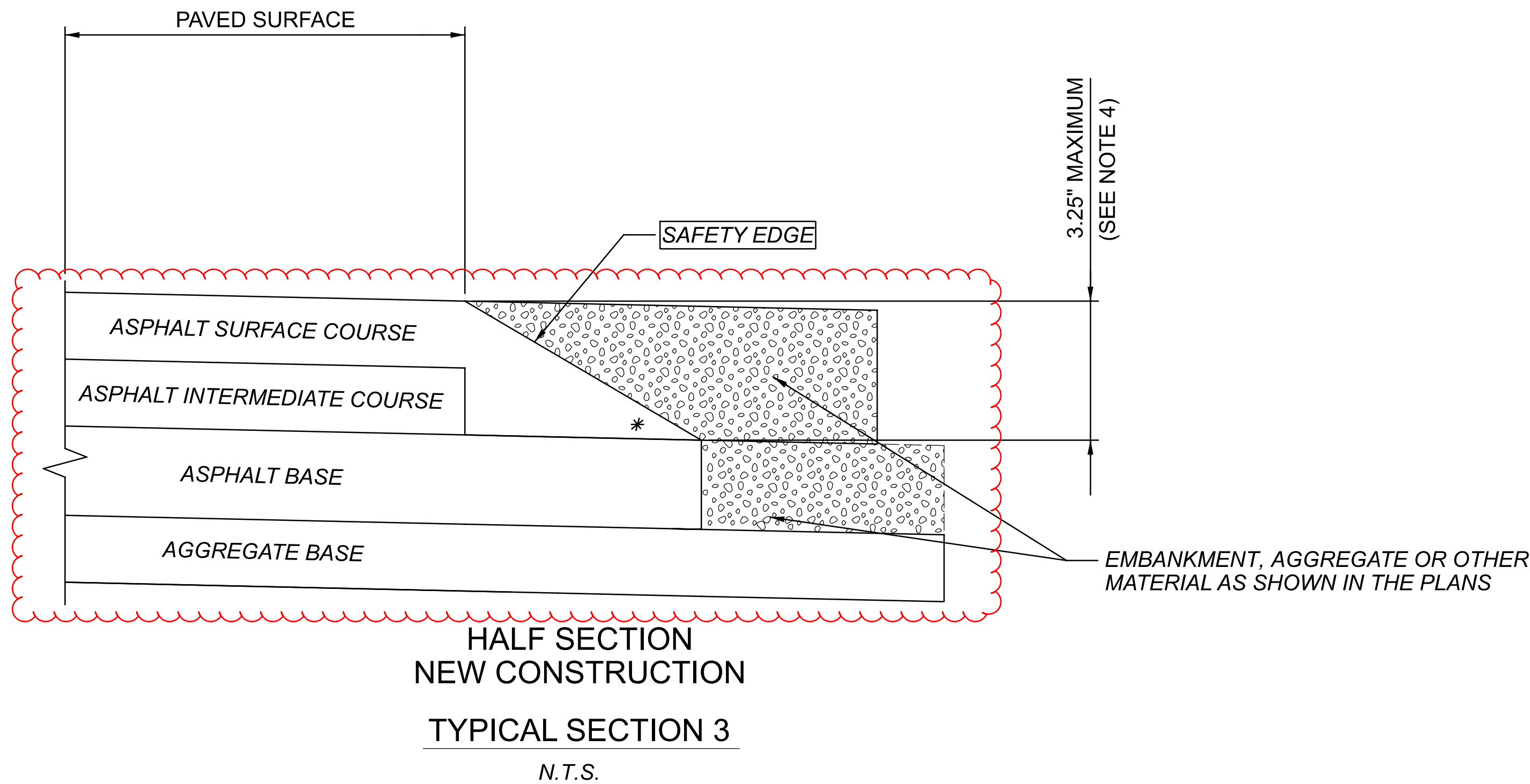
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SHEET

P.6

TOTAL

8



NOTES:

- 1.) SAFETY EDGES ARE REQUIRED AT THE OUTSIDE EDGES OF THE PAVED ROADWAY (EDGE OF TRAVEL LANE OR EDGE OF PAVED SHOULDER).
- 2.) CONSTRUCT THE SAFETY EDGE THE FULL ASPHALT CONCRETE OVERLAY THICKNESS OR 2.5" (63MM) WHICHEVER IS GREATER, NOT TO EXCEED THE MAXIMUM SAFETY EDGE THICKNESS OF 6" (150MM). CONSTRUCT A NEAR-VERTICAL FACE BELOW THE SAFETY EDGE FOR THICKNESS GREATER THAN 6" (150 MM).
- 3.) BLADE AND SHAPE EXISTING SHOULDER MATERIAL TO FORM A UNIFORM SURFACE UNDER THE SAFETY EDGE PRIOR TO PLACEMENT OF THE ASPHALT CONCRETE OVERLAY.
- 4.) FOR NEW PAVEMENT CONSTRUCT THE SAFETY EDGE THE FULL THICKNESS OF THE SURFACE AND INTERMEDIATE COURSES, NOT TO EXCEED 3.25" (82 MM).

* 40° MAX



DEF-18-28.93

MODEL: Sheet_SurfF1 PAPER SIZE: 34x22 (in.) DATE: 11/28/2025 TIME: 4:13:31 PM PLTDRW: OHDOT_PDF.plt USER: Isaac.Ricker@dot.ohio.gov WORKSPACE: OHDOTCEW02 WORKSET: 110716 PRODUCT: OpenRoads Designer 24.00.00.2005
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GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

ISR

REVIEWER

MPB 02-14-25

PROJECT ID

110716

SHEET

TOTAL