

INTERSECTION IMPROVEMENT CONSTRUCTION PLANS

600 N and 600 W RD.

APPROVED BY:
TOWN OF McCORDSVILLE, INDIANA

Mark Witsman, Town Engineer

Ryan Crum, Director of Planning and Building

Greg Brewer, Town Council

Scott Jones, Town Council

John Price, Town Council

Dr. Bryan Burney, Town Council

Chad Gooding, Town Council

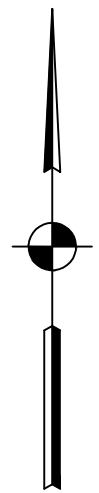
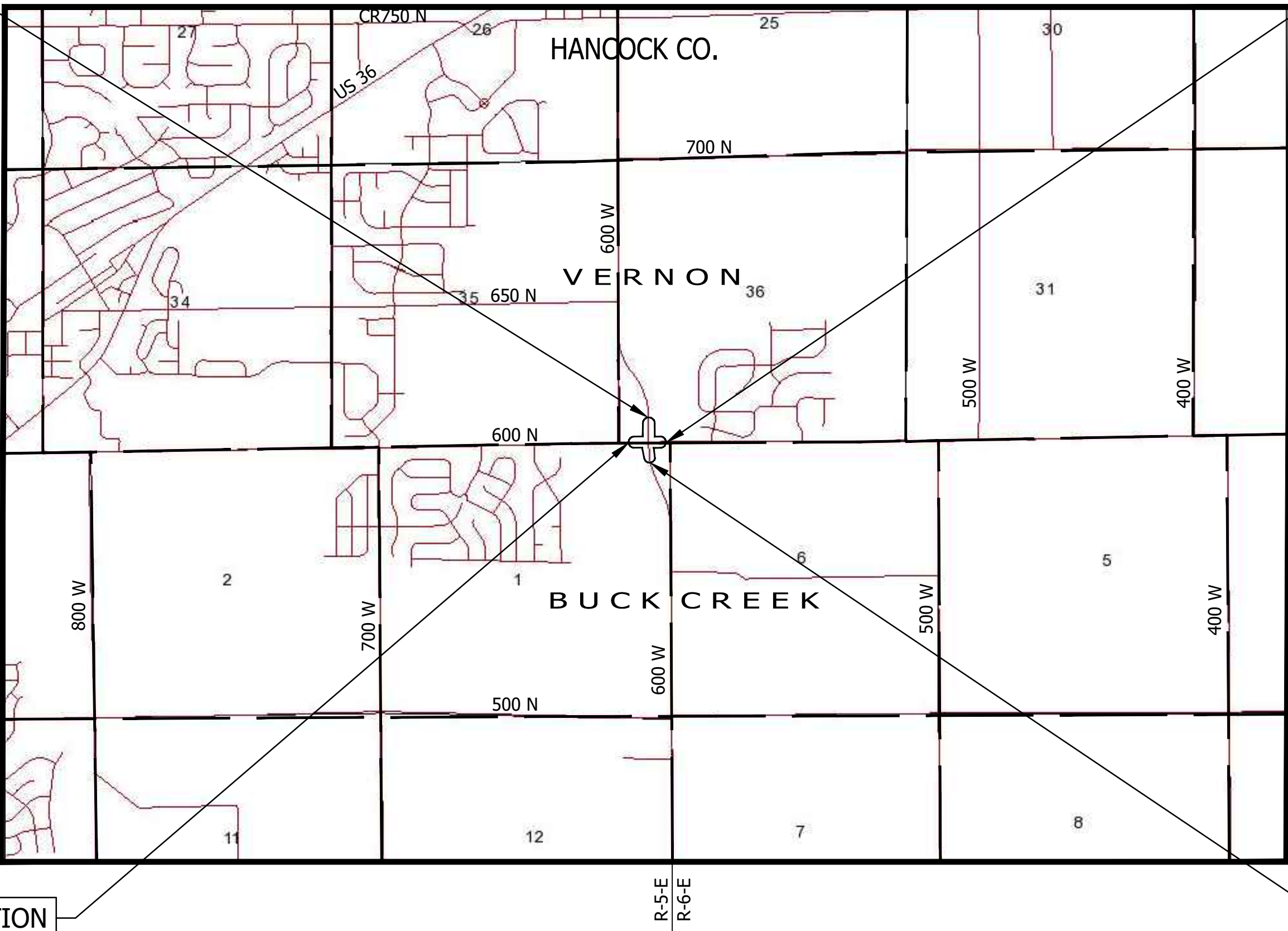
Stephanie Crider, Clerk-Treasurer

TRAFFIC DATA	600 N Rd.	600 W Rd.
A.A.D.T. (2022)	5734 V.P.D.	11834 V.P.D.
A.A.D.T. (2045)	6431 V.P.D.	13273 V.P.D.
D.H.V (2045)	846 V.P.H.	1468 V.P.H.
DIRECTIONAL DISTRIBUTION	49.8% POS	46.9% POS.
TRUCKS	1% D.H.V.	1% D.H.V.
DESIGN DATA		
DESIGN SPEED	45 M.P.H.	50 M.P.H.
PROJECT DESIGN CRITERIA	4R (NON-FREEWAY)	4R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR	PRINCIPAL ARTERIAL
RURAL/URBAN	RURAL	RURAL
TERRAIN	LEVEL	LEVEL
ACCESS CONTROL	NONE	NONE

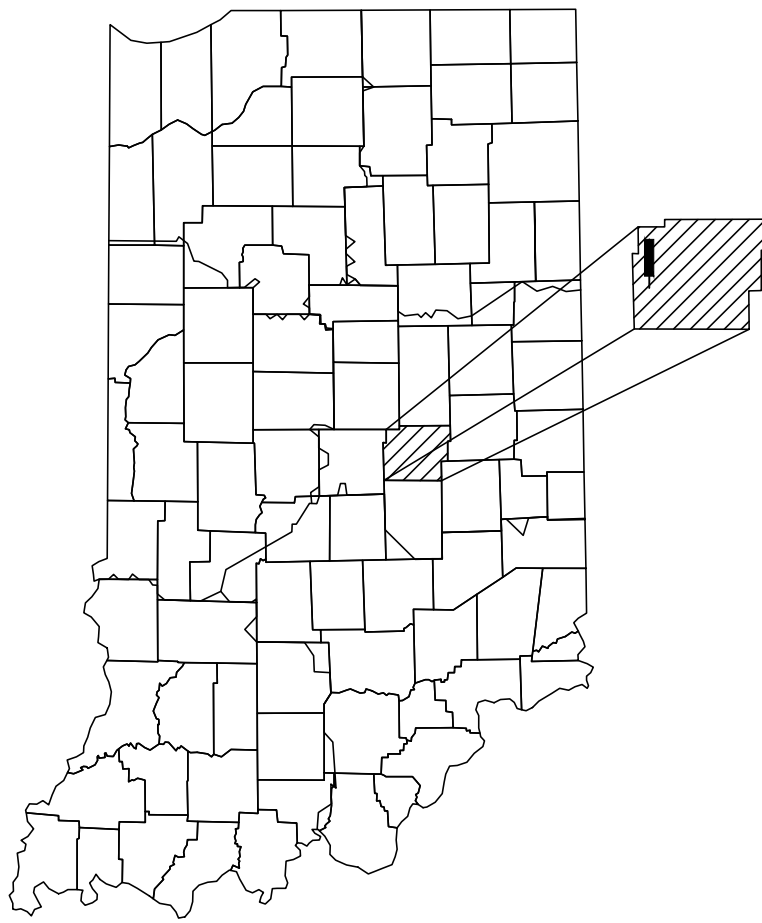
Project Description
Intersection Reconstruction with a Roundabout on 600 N Rd and 600 W Rd.
Located in Section 36, T-17-N, R-5-E, Section 1, T-16-N, R-5-E,
Vernon & Buck Creek Township, Hancock County, Indiana.

END PROJECT
STA. 229+36.35 "PRA"

END CONSTRUCTION
STA. 52+75.00 "S-9-A"



SCALE:
1" = 2000'



PROJECT LOCATION SHOWN BY —
HANCOCK COUNTY

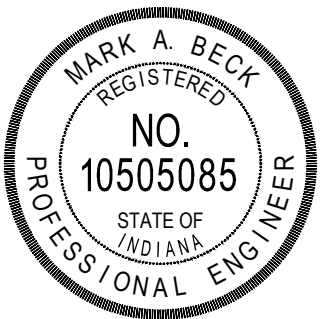
LATITUDE: 39° 52' 12" N LONGITUDE: 85° 55' 01" W

	600 N RD.	600 W RD
GROSS LENGTH:	0.11 MI.	0.23 MI.
NET LENGTH:	0.11 MI.	0.23 MI.
MAX. GRADE:	1.5 %	0.6 %

PLANS PREPARED BY



TRANSPORTATION &
DEVELOPMENT CONSULTANTS
115 N 17th AVENUE
BEECH GROVE, IN 46107
(317) 780-1555
CROSSROADENGINEERS.COM



PLANS PREPARED BY: CROSSROAD ENGINEERS, P.C.

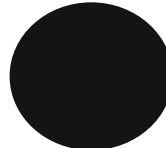
(317) 780-1555
PHONE NUMBER

CERTIFIED BY:

Mark A. Beck

8/21/24
DATE

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS



SHEETS		
1	of	37
PROJECT		
600 & 600 RAB		

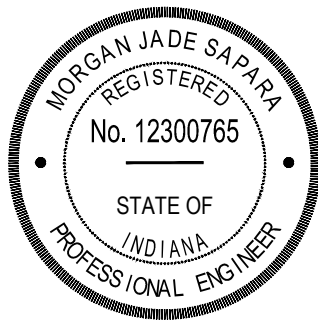
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FILENAME : INDEX.dwg
DATE/USER : 8/23/2024 4:26 PM / Csmatt

UTILITIES	
<u>CENTERPOINT ENERGY/GAS</u> 16222 ALLISONVILLE RD. NOBLESVILLE, IN (46060) Contact: JAY BOSER Ph: (317) 260-5477	<u>COMCAST/CABLE</u> 5330 E. 65TH ST. INDIANAPOLIS, IN (46220) Contact: MATT STRINGER Ph: (317) 774-3384
<u>AQUA INDIANA/SANITARY</u> 5750 CASTLE CREEK PKWY NORTH DR., SUITE 314 INDIANAPOLIS, IN (46250) Contact: JIM SHELDS, P.E. Ph: 317-577-1390	<u>NINESTAR COMMUNICATIONS</u> 2243 E MAIN ST. GREENFIELD, IN (46140) Contact: JASON WARRICK Ph: (317) 323-2081
<u>NINESTAR ELECTRIC</u> 2243 E MAIN ST. GREENFIELD, IN (46140) Contact: ERIC MEYER Ph: (317) 326-3131 emeyer@ninestarconnect.com	<u>CITIZENS ENERGY GROUP/WATER</u> 2150 DR MARTIN LUTHER KING JR ST. INDIANAPOLIS, IN (46202) Contact: BRAD HOSTETLER Ph: (317) 927-4351

REVISIONS		
SHEET NO	DATE	REVISED

GENERAL NOTES	
*	The exact location of all utilities shall be field verified by the contractor prior to starting any work.
*	Sheet signs and square posts shall not be ordered until the exact number of signs and length of each post have been determined upon field investigation.

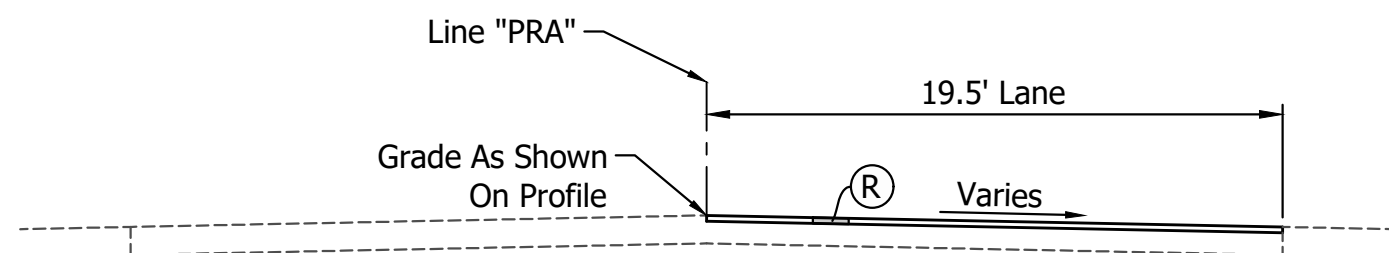
INDEX	
SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX SHEET AND GENERAL NOTES
3-4	TYPICAL CROSS SECTIONS
5	PLAT NO. 1
6-14	MAINTENANCE OF TRAFFIC
15-17	ROAD PLAN AND PROFILES
18-19	CONSTRUCTION DETAILS
20-21	SIDEWALK AND GRADING SHEETS
22-23	GEOMETRIC SHEETS
24	SUPERELEVATION DIAGRAMS
25-26	PROFILE AND SPOT ELEVATION SHEETS
27-28	EROSION CONTROL
29-31	SWPP SHEETS
32	UNDERDRAIN DETAILS
33-35	PAVEMENT MARKINGS AND SIGNAGE DETAILS
36	LIGHTING DETAILS
37	MISCELLANEOUS TABLES
XS1-XS19	CROSS SECTIONS



RECOMMENDED FOR APPROVAL	<i>Morgan Sapara</i>	8/21/24
DESIGNED:	MJS	DRAWN: TB
CHECKED:	MAM	CHECKED: MJS

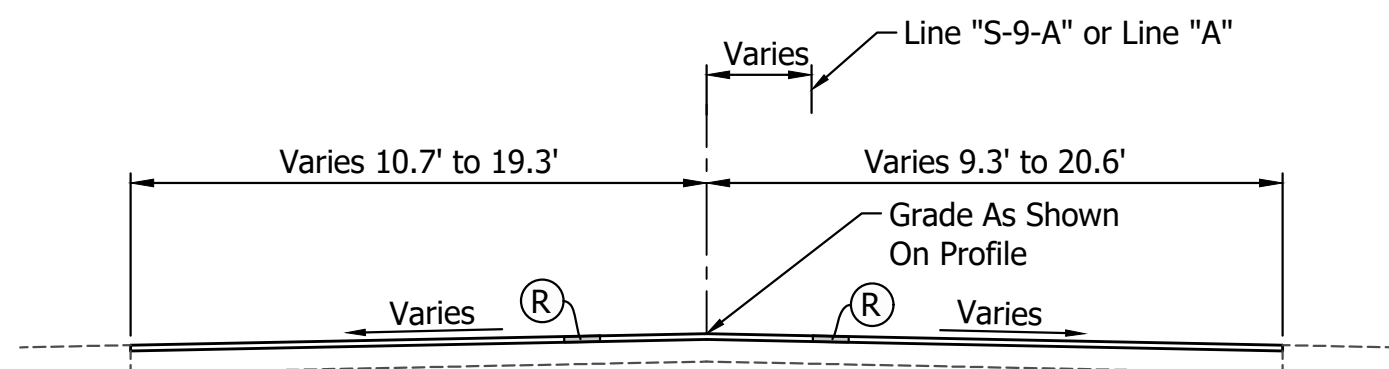
TOWN OF MCCORDSVILLE
INDEX

HORIZONTAL SCALE	N/A
VERTICAL SCALE	N/A
SHEETS	
2	of 37
PROJECT	
600 & 600 RAB	



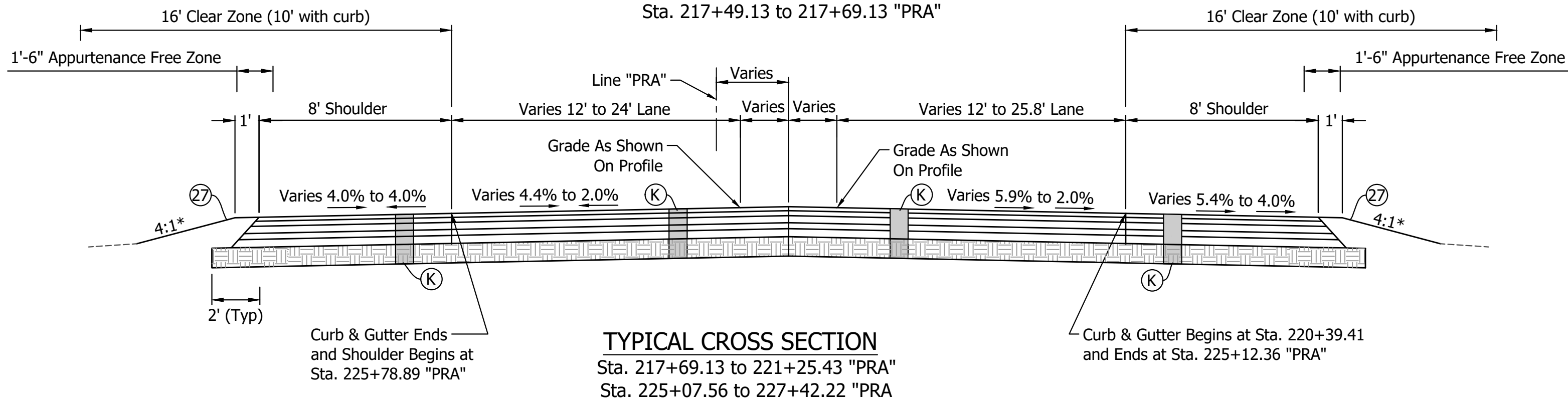
TYPICAL CROSS SECTION

Sta. 229+16.35 to 229+36.35 "PRA"



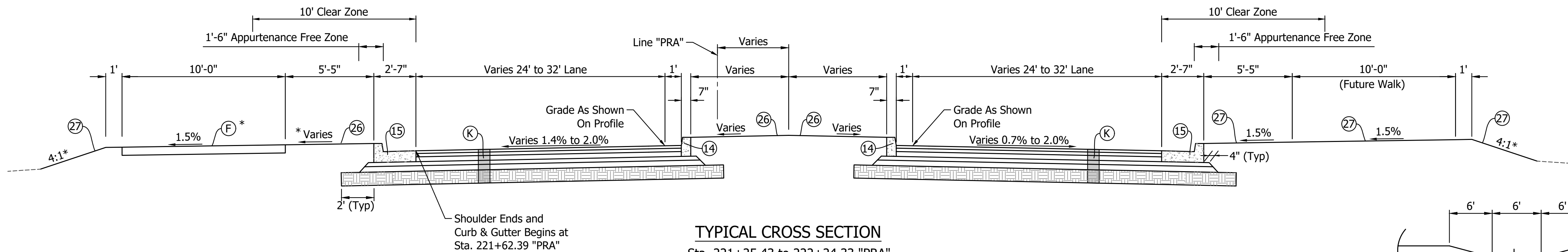
TYPICAL CROSS SECTION

Sta. 47+15.00 to 47+36.19 "S-9-A"
Sta. 52+53.90 to 52+75.00 "S-9-A"
Sta. 217+49.13 to 217+69.13 "PRA"



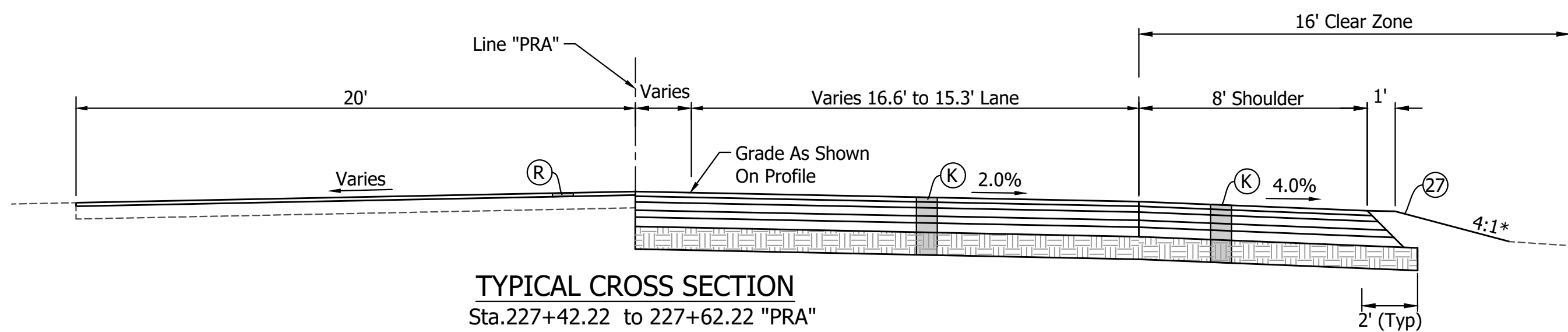
TYPICAL CROSS SECTION

Sta. 217+69.13 to 221+25.43 "PRA"
Sta. 225+07.56 to 227+42.22 "PRA"



TYPICAL CROSS SECTION

Sta. 221+25.43 to 222+24.33 "PRA"
Sta. 223+66.33 to 225+07.56 "PRA"



TYPICAL CROSS SECTION

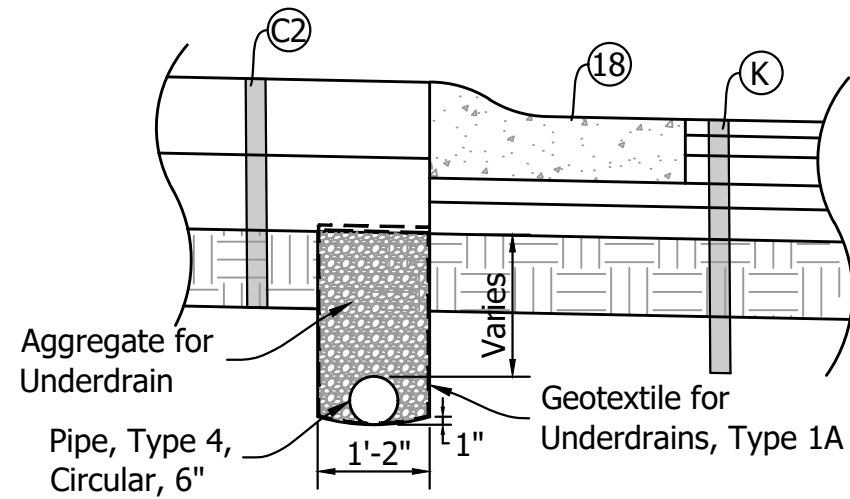
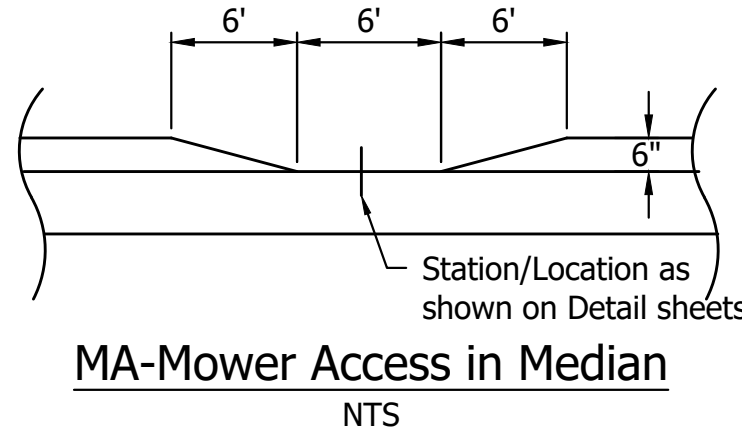
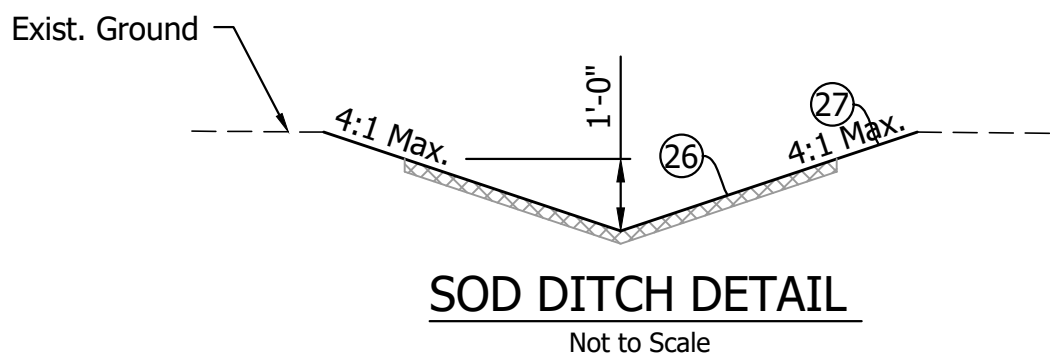
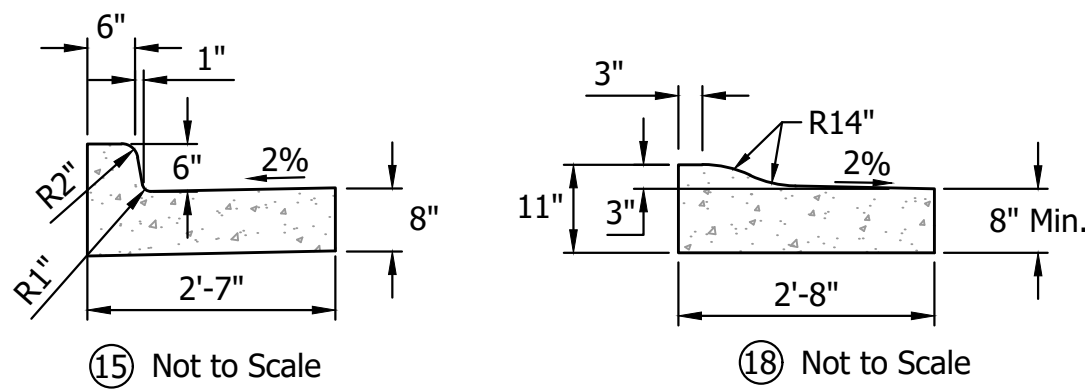
Sta. 227+42.22 to 227+62.22 "PRA"

*Slopes are Typically 4:1
Maximum 3:1
(See Cross Sections)

See Spot Elevation and Profile Sheet
for additional information on Profile
Grades and locations of Profile Grades.

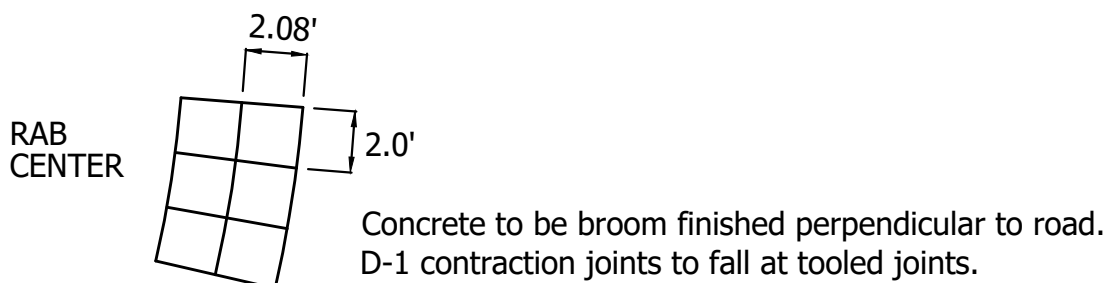
LEGEND

- Ⓒ PCCP, 9" with D-1 Contraction Joints Spaced at 15' Max on 9" Compacted Aggregate, No. 53 on Subgrade Treatment, Type 1BC
- Ⓕ Sidewalk, Concrete 4"
- Ⓐ HMA Pavement
220 #/Syd QC/QA-HMA, 4, 76, Surface, 12.5mm on 275 #/Syd QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 385 #/Syd QC/QA-HMA, 4, 64, Base, 25.0 mm on 330 #/Syd QC/QA-HMA, 4, 64, Base, 25.0 mm on 4" Compacted Aggregate No. 53 Stone on Subgrade Treatment Type 1BC
- Ⓜ Mower Access Points in Median
(See Detail Sheets for Locations)
- Ⓡ Mill & Overlay
220 #/Syd QC/QA-HMA, 4, 76, Surface, 12.5 mm on 2" Surface Milling
- Ⓛ Concrete Curb (Barrier)
- Ⓜ Combined Concrete Curb & Gutter
- Ⓢ Curb & Gutter, Roll Curb, Dry, Modified
- Ⓢ Nursery Sod
- Ⓢ Mulched Seeding, U



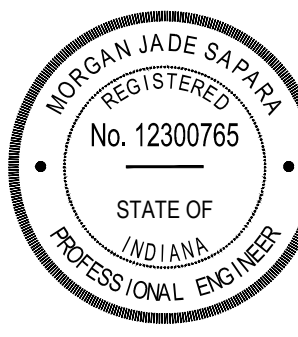
UNDERDRAIN DETAIL AT ROUNDABOUT

NTS



TRUCK APRON RADIAL JOINT DETAIL

NTS



RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE

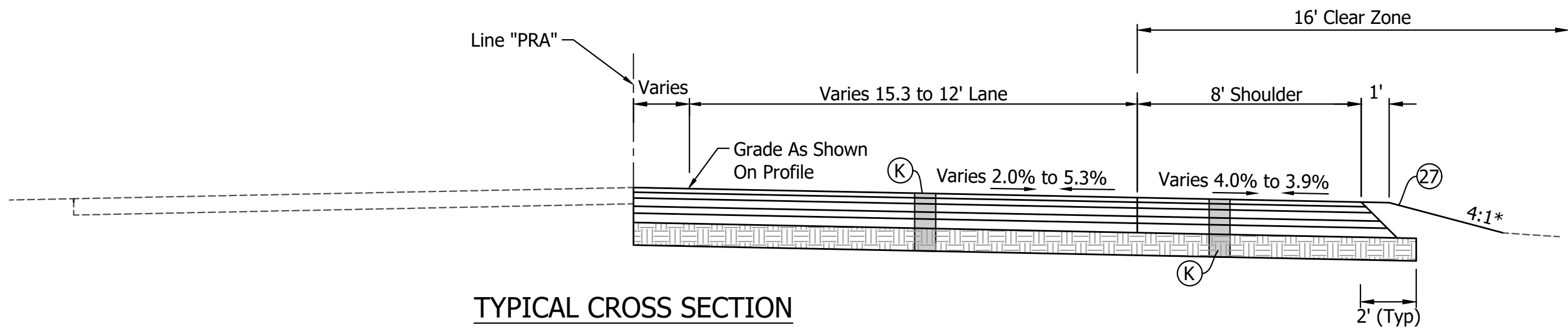
**TYPICAL
CROSS SECTIONS**

HORIZONTAL SCALE
1/4" = 1'-0"
VERTICAL SCALE
N/A

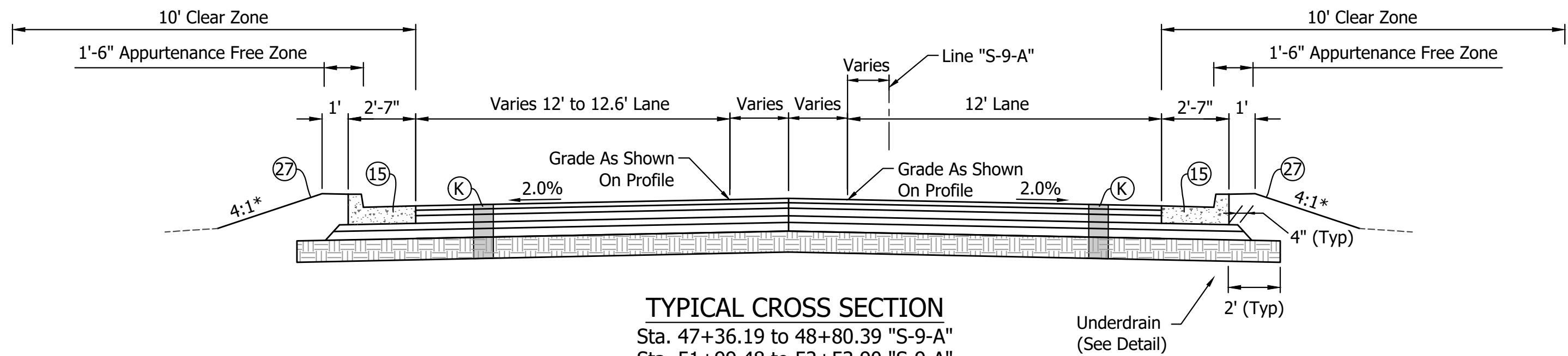


SHEETS
3 of 37
PROJECT
600 & 600 RAB

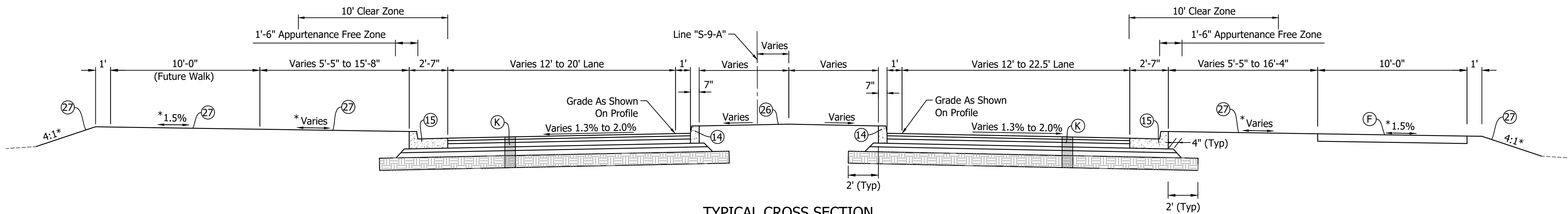
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TYPICAL CROSS SECTION
Sta. 227+62.22 to 229+16.35 "PRA"

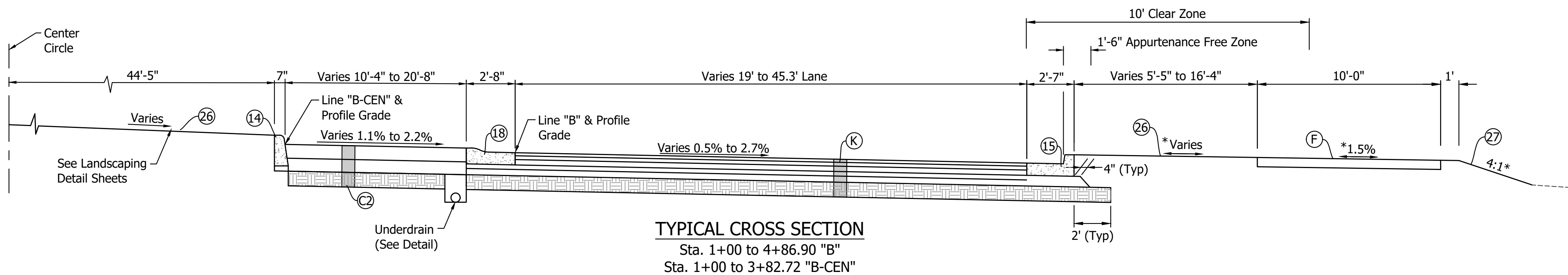


TYPICAL CROSS SECTION
Sta. 47+36.19 to 48+80.39 "S-9-A"
Sta. 51+99.48 to 52+53.90 "S-9-A"



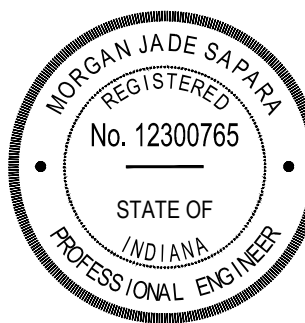
TYPICAL CROSS SECTION
Sta. 48+80.39 to 49+47.32 "S-9-A"
Sta. 51+25.44 to 51+99.48 "S-9-A"

* See Sidewalk and Grading Sheet for
Grades & Locations of Sidewalks



TYPICAL CROSS SECTION
Sta. 1+00 to 4+86.90 "B-CEN"
Sta. 1+00 to 3+82.72 "B"

- LEGEND**
- (C2) PCCP, 9" with D-1 Contraction Joints Spaced at 15' Max on 9" Compacted Aggregate, No. 53 on Subgrade Treatment, Type 1BC
 - (F) Sidewalk, Concrete 4"
 - (K) HMA Pavement
220 #/Syd QC/QA-HMA, 4, 76, Surface, 12.5mm on 275 #/Syd QC/QA-HMA, 4, 76, Intermediate, 19.0 mm on 385 #/Syd QC/QA-HMA, 4, 64, Base, 25.0 mm on 330 #/Syd QC/QA-HMA, 4, 64, Base, 25.0 mm on 4" Compacted Aggregate No. 53 Stone on Subgrade Treatment Type 1BC
 - (MA) Mower Access Points in Median
(See Detail Sheets for Locations)
 - (R) Mill & Overlay
220 #/Syd QC/QA-HMA, 4, 76, Surface, 12.5 mm on 2" Surface Milling
 - (14) Concrete Curb (Barrier)
 - (15) Combined Concrete Curb & Gutter
 - (18) Curb & Gutter, Roll Curb, Dry, Modified
 - (26) Nursery Sod
 - (27) Mulched Seeding, U



RECOMMENDED FOR APPROVAL *Morgan Jade Saram* DESIGN ENGINEER 8/21/24 DATE

DESIGNED: MJS DRAWN: TB

CHECKED: MAM CHECKED: MJS

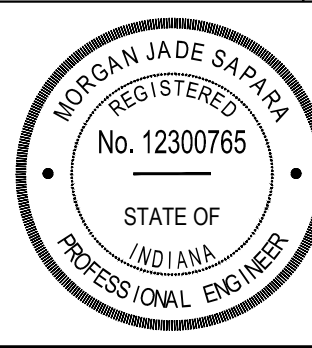
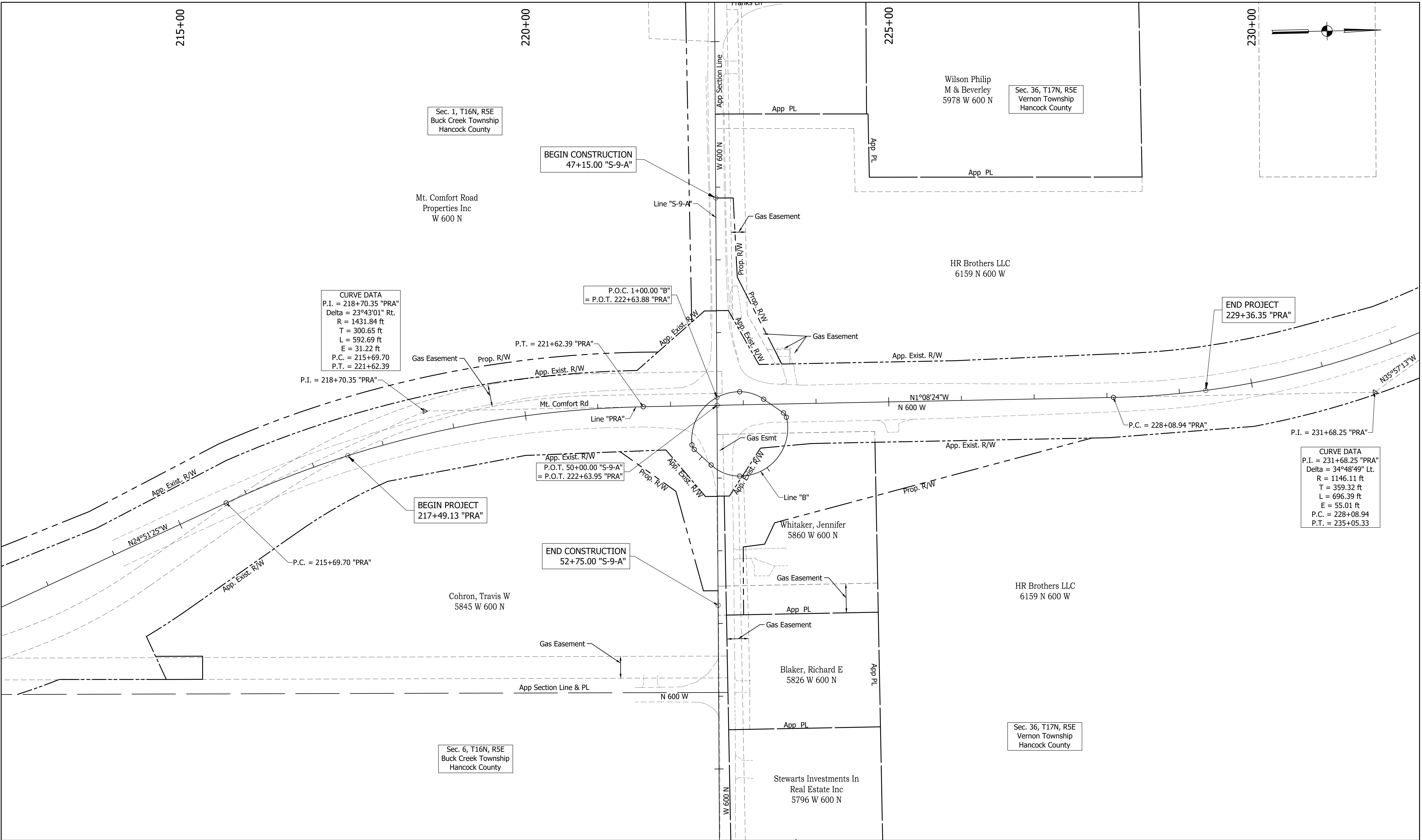
TOWN OF MCCORDSVILLE

TYPICAL
CROSS SECTIONS

HORIZONTAL SCALE
1/4" = 1'-0"
VERTICAL SCALE
N/A

SHEETS
4 of 37
PROJECT
600 & 600 RAB

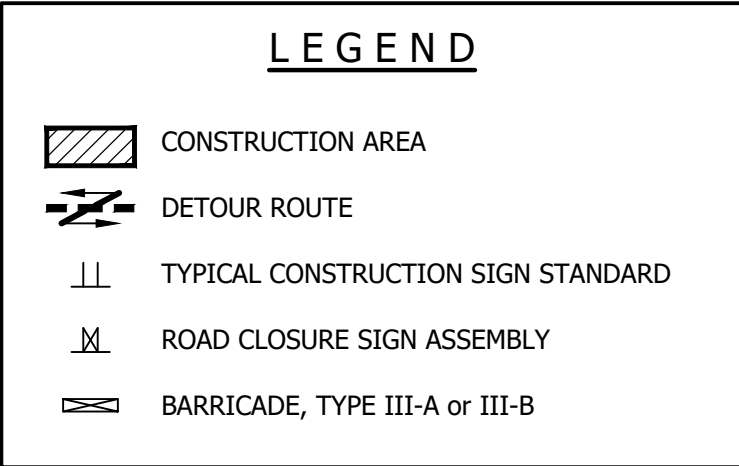
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RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE
PLAT NO. 1

HORIZONTAL SCALE	1"=60'
VERTICAL SCALE	N/A
SHEETS	5 of 37
PROJECT	600 & 600 RAB



(A)

DETOUR XM4-8

EAST OR WEST
M3-2 M3-4

600N

↱ M5-1(R)S
OR
↰ M5-1(L)S

(C)

DETOUR XM4-8

EAST OR WEST
M3-2 M3-4

600N

↑ M6-3

(B)

DETOUR XM4-8

EAST OR WEST
M3-2 M3-4

600N

→ M6-1S
OR
← M6-1S

(D)

END M4-6

EAST OR WEST
M3-2 M3-4

DETOUR M4-8

600N

↱ M5-1(R)S
OR
↰ M5-1(L)S

(E)= EAST
(W)= WEST

① XW20-3
36" x 36"

ROAD
CLOSED
AHEAD

② XW20-2
36" x 36"

DETOUR
AHEAD

XM4-10 (L)
48" x 18"

XM4-10 (R)
48" x 18"

③

CR600N
CLOSED AT
MT. COMFORT RD.

ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY	ROAD CLOSED
R11-3 5' x 2'-6"	R11-2 4' x 2'-6"


Notes:

1. For spacing of Detour Route Marker Assemblies and Construction Signing. See INDOT Standard, See INDOT Standard Drawing E-801-TCDD-02

RECOMMENDED FOR APPROVAL	<i>Morgan J. Jarama</i>	8/21/24
	DESIGN ENGINEER	DATE
DESIGNED: MJS	DRAWN: TB	
CHECKED: MAM	CHECKED: MJS	

TOWN OF MCCORDSVILLE

MAINTENANCE OF TRAFFIC DETOUR ROUTE (PHASE 2 & 3)

HORIZONTAL SCALE			
NTS			
VERTICAL SCALE			
N/A			
	SHEETS		
	6	of	37
	PROJECT		
	600 & 600 RAB		

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212+00

213+00

214+00

215+00

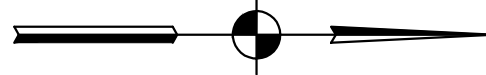
216+00

217+00

218+00

219+00

220+00



END
CONSTRUCTION
XG20-2

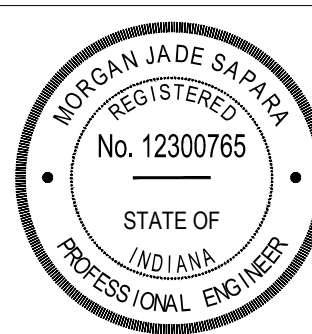
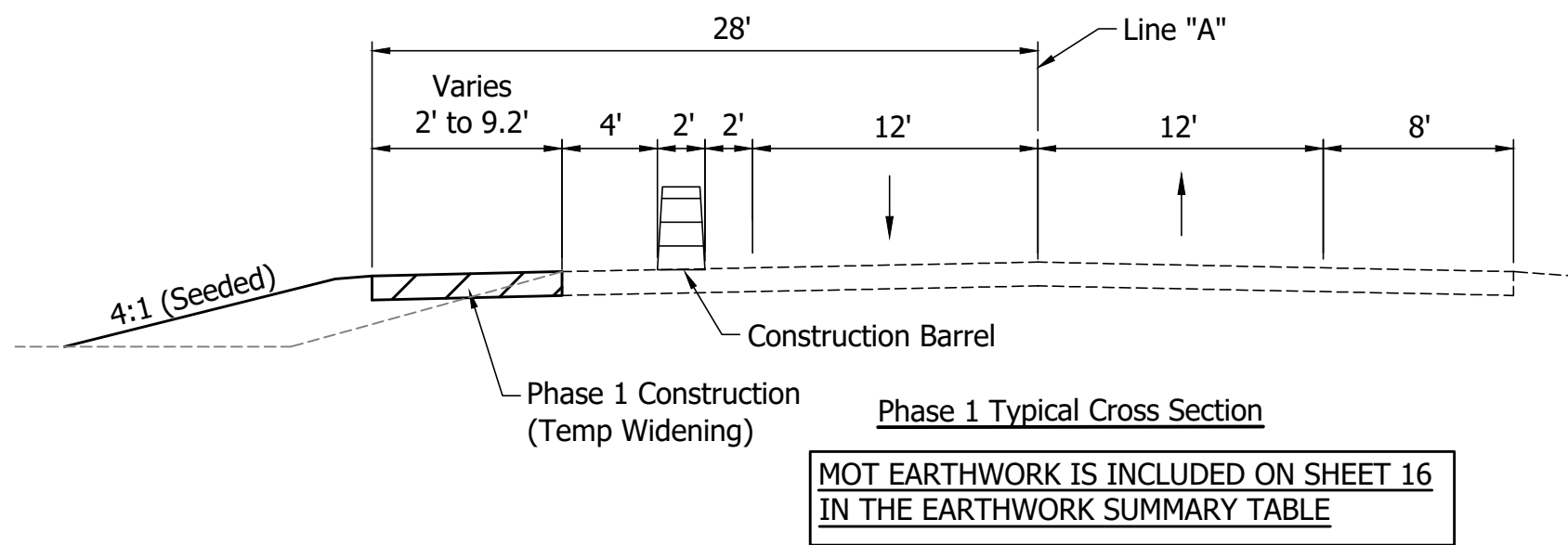


N 600 W

BEGIN PROJECT
217+49.13 "PRA"

MATCH LINE - 221+00 "PRA"

- MAINTENANCE OF TRAFFIC LEGEND**
- ⊗ Existing Pavement Marking
 - Ⓢ Temporary Pavement Marking, Removable, Yellow, 4 inch
 - Ⓢ Temporary Pavement Marking, Removable, White, 4 inch
 - Traffic Control Drum
 - ⏏ Typical Sign Standard
 - ⊗ Barricade Type III-A or Type III-B
 - Traffic Flow
 - ⊗ HMA for Temporary Pavement, Type 'D'
165 lb/sys Surface Type 'D' on
275 lb/sys Intermediate, Type 'D' on
660 lb/sys Base, Type 'D' on
Subgrade Treatment, Type 'IC'



RECOMMENDED
FOR APPROVAL

Morgan Jade Sarraf
DESIGN ENGINEER

8/21/24
DATE

DESIGNED: MJS

DRAWN: TB

CHECKED: MAM

CHECKED: MJS

TOWN OF MCCORDSVILLE

MAINTENANCE OF TRAFFIC
PHASE 1

HORIZONTAL SCALE

1"=30'

VERTICAL SCALE

N/A

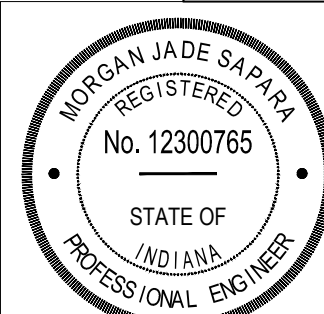
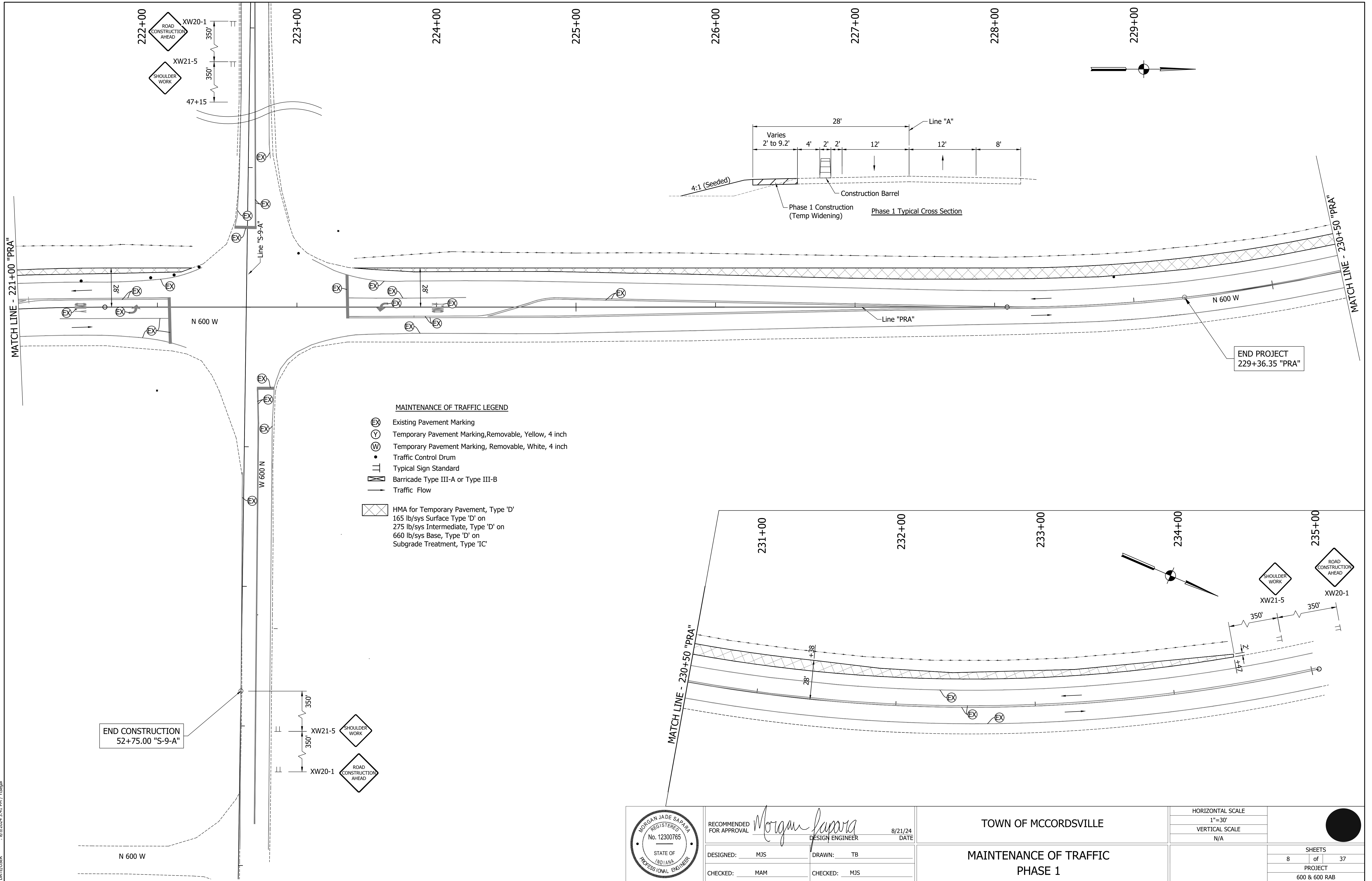
SHEETS

7 of 37

PROJECT

600 & 600 RAB

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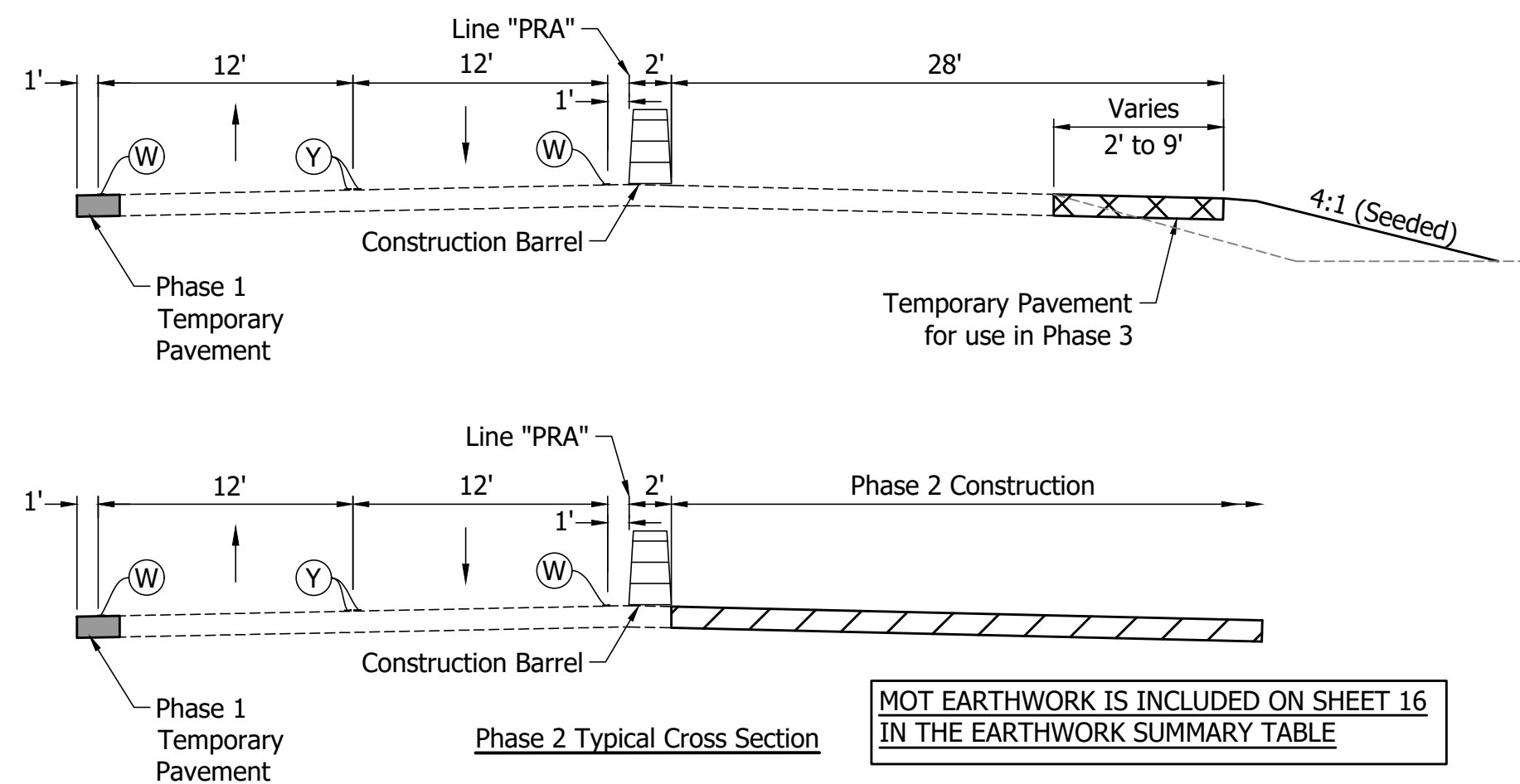
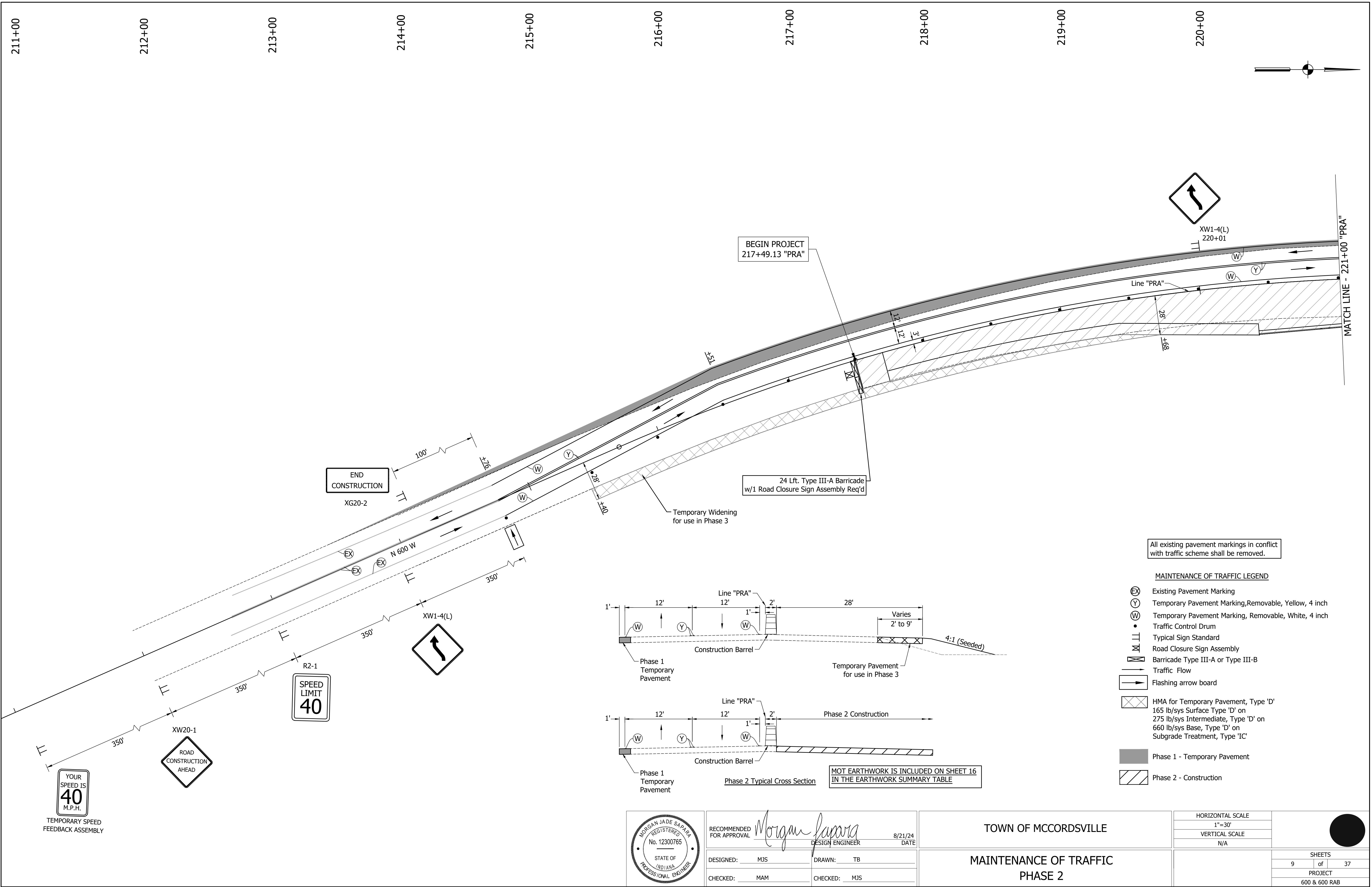


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

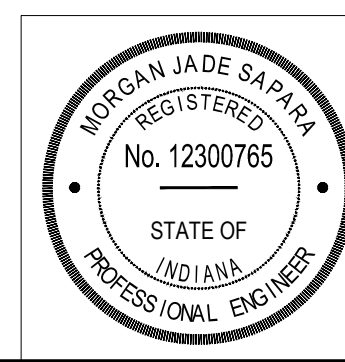
TOWN OF MCCORDSVILLE
MAINTENANCE OF TRAFFIC PHASE 1

HORIZONTAL SCALE 1"=30'	
VERTICAL SCALE N/A	
SHEETS 8 of 37	
PROJECT 600 & 600 RAB	

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- All existing pavement markings in conflict with traffic scheme shall be removed.
- MAINTENANCE OF TRAFFIC LEGEND**
- EX Existing Pavement Marking
 - Y Temporary Pavement Marking, Removable, Yellow, 4 inch
 - W Temporary Pavement Marking, Removable, White, 4 inch
 - Traffic Control Drum
 - Typical Sign Standard
 - Road Closure Sign Assembly
 - Barricade Type III-A or Type III-B
 - Traffic Flow
 - Flashing arrow board
 - HMA for Temporary Pavement, Type 'D'
165 lb/sys Surface Type 'D' on
275 lb/sys Intermediate, Type 'D' on
660 lb/sys Base, Type 'D' on
Subgrade Treatment, Type 'IC'
 - Phase 1 - Temporary Pavement
 - Phase 2 - Construction

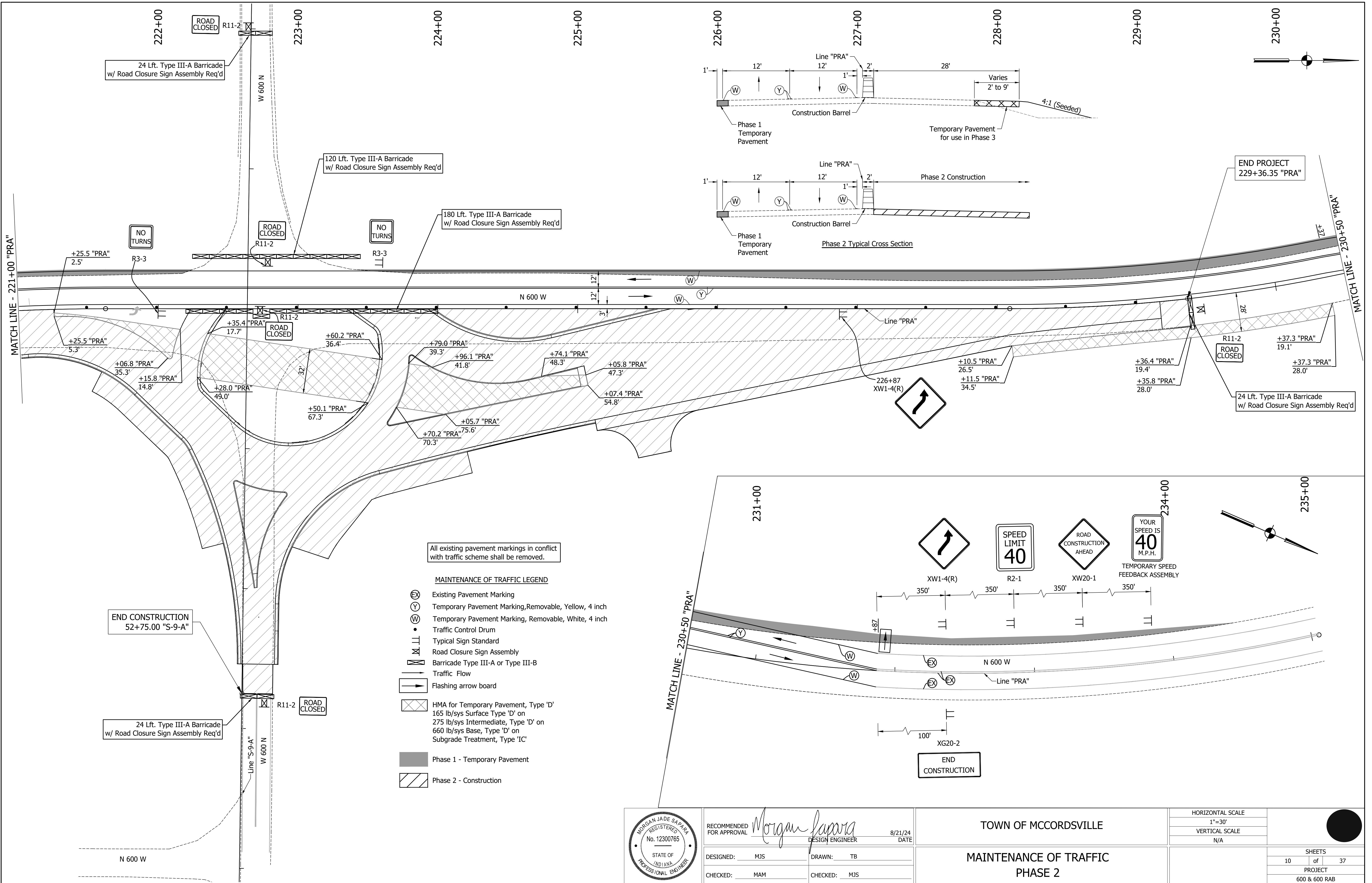


RECOMMENDED FOR APPROVAL
DESIGNED: MJS
CHECKED: MAM
DRAWN: TB
CHECKED: MJS
DESIGN ENGINEER
DATE: 8/21/24

TOWN OF MCCORDSVILLE
MAINTENANCE OF TRAFFIC
PHASE 2

HORIZONTAL SCALE 1"=30'	
VERTICAL SCALE N/A	
SHEETS	
9	of 37
PROJECT	
600 & 600 RAB	

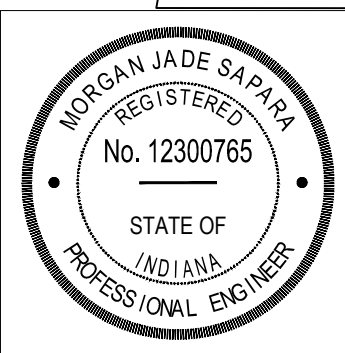
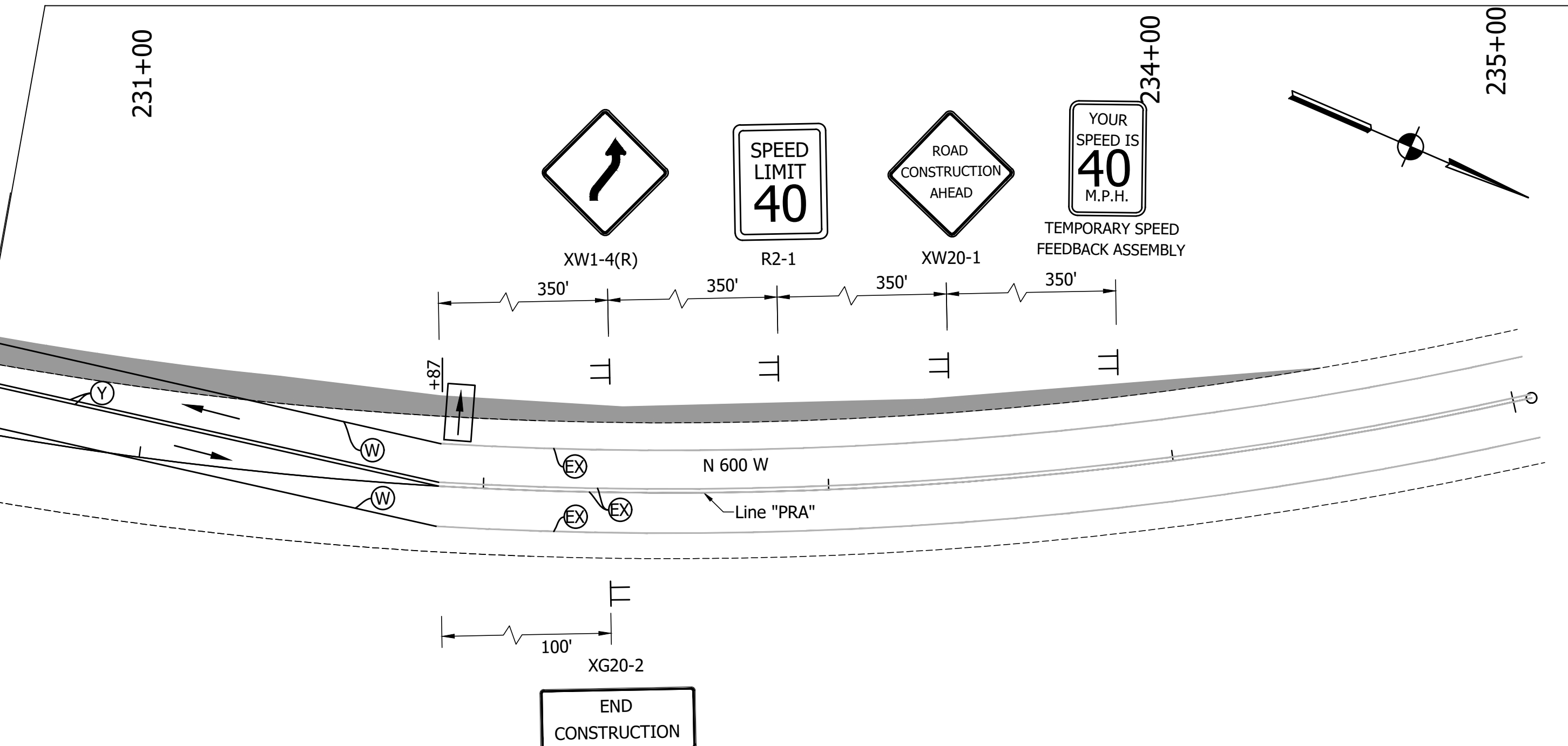
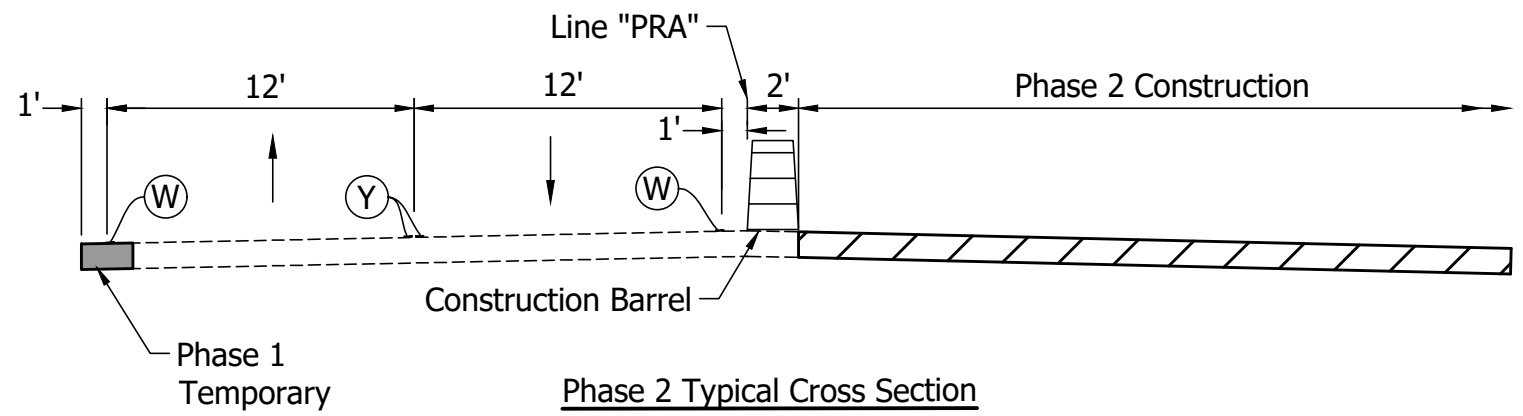
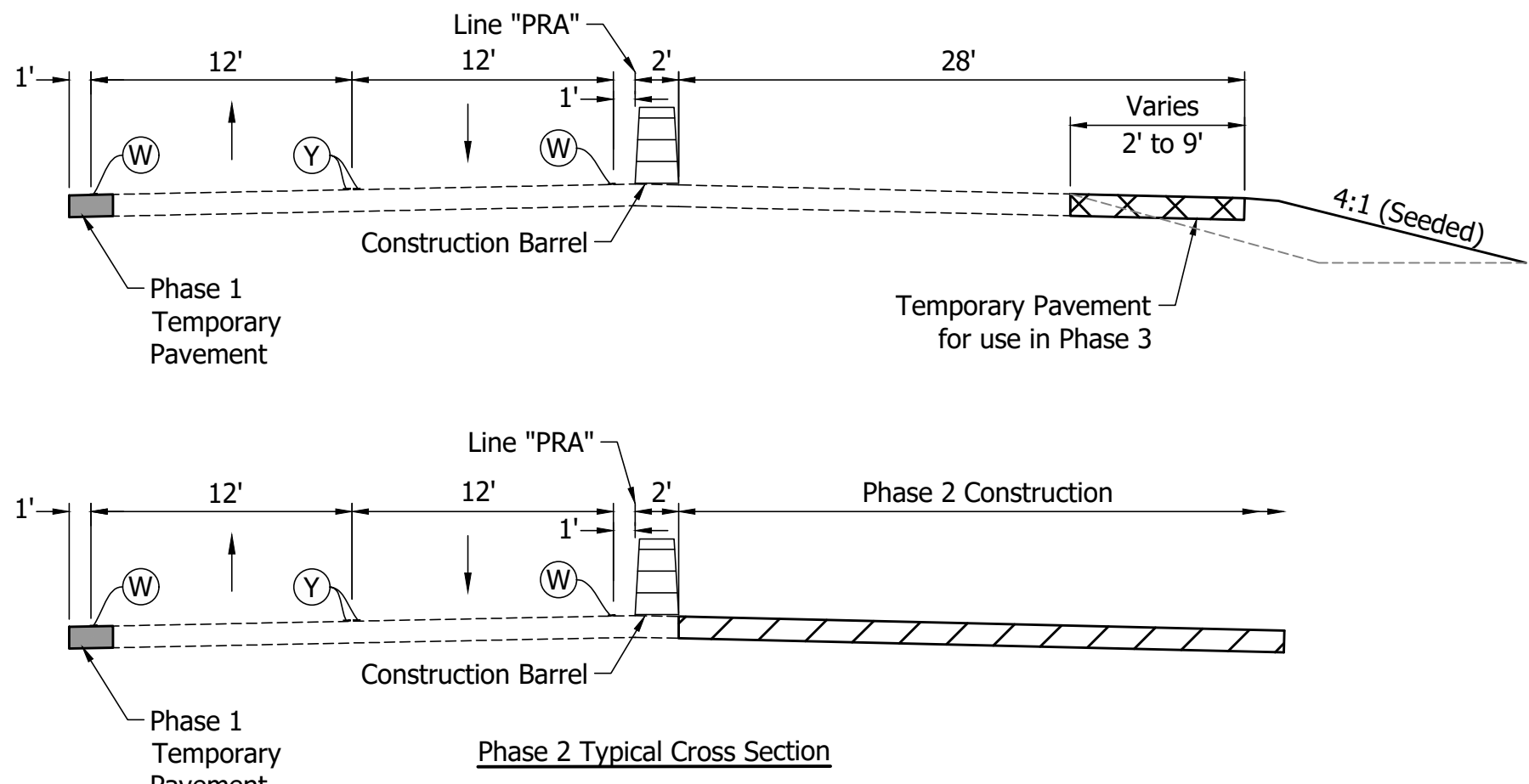
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All existing pavement markings in conflict with traffic scheme shall be removed.

MAINTENANCE OF TRAFFIC LEGEND

- Existing Pavement Marking
- Temporary Pavement Marking, Removable, Yellow, 4 inch
- Temporary Pavement Marking, Removable, White, 4 inch
- Traffic Control Drum
- Typical Sign Standard
- Road Closure Sign Assembly
- Barricade Type III-A or Type III-B
- Traffic Flow
- Flashing arrow board
- HMA for Temporary Pavement, Type 'D'
165 lb/sys Surface Type 'D' on
275 lb/sys Intermediate, Type 'D' on
660 lb/sys Base, Type 'D' on
Subgrade Treatment, Type 'IC'
- Phase 1 - Temporary Pavement
- Phase 2 - Construction

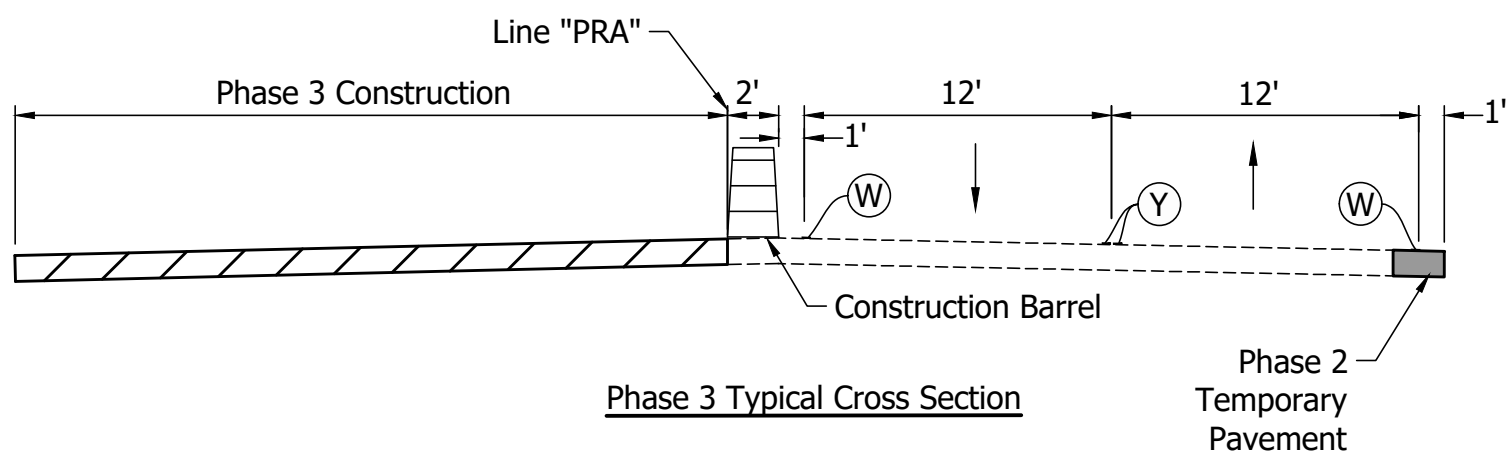
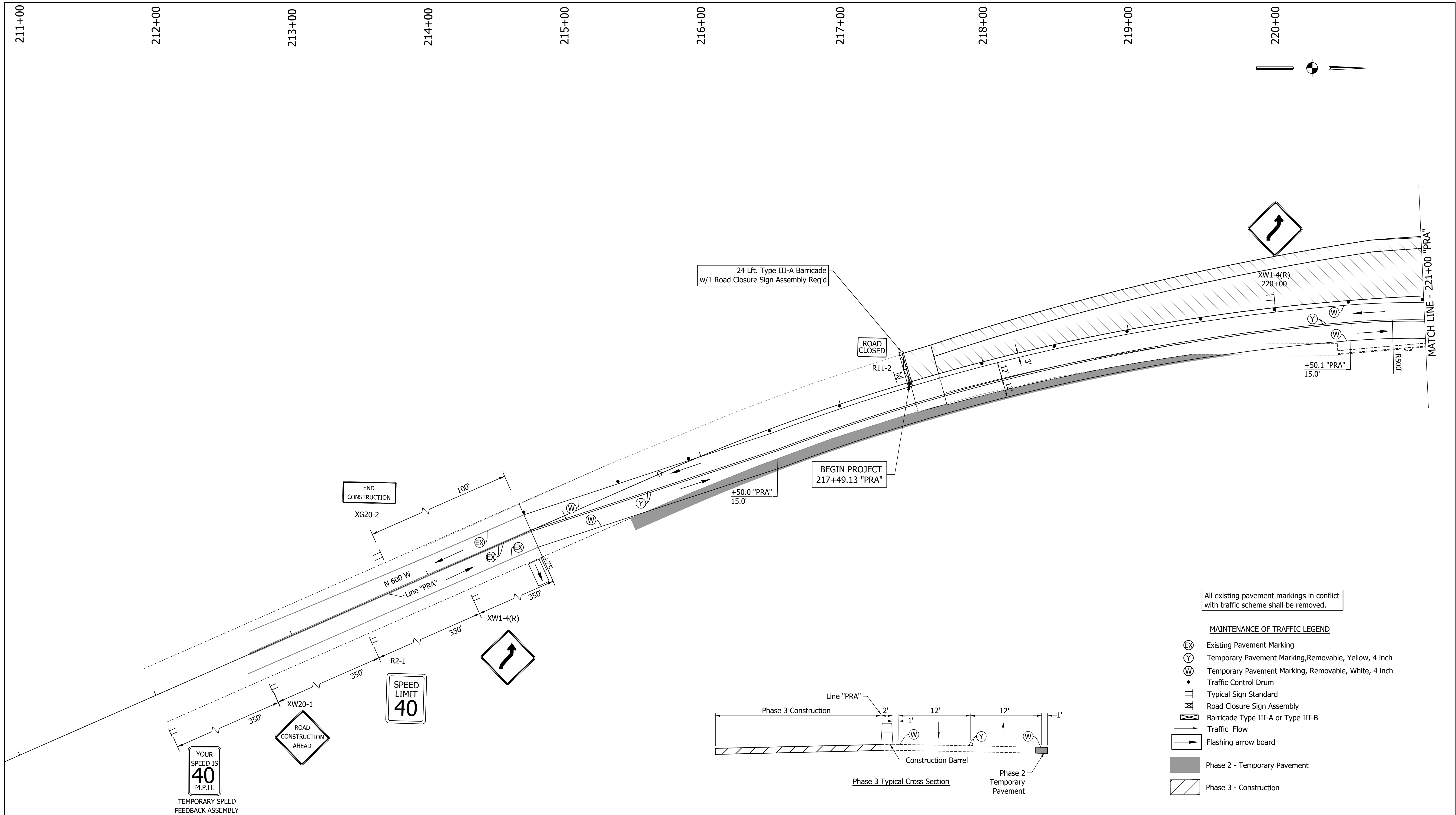


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE
MAINTENANCE OF TRAFFIC PHASE 2

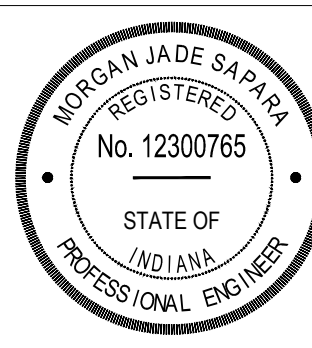
HORIZONTAL SCALE 1"=30'	SHEETS 10 of 37 PROJECT 600 & 600 RAB
VERTICAL SCALE N/A	

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FILENAME : NOT PENDING
DATE/USER : 8/21/24 10:30 AM / Yhsagi



- All existing pavement markings in conflict with traffic scheme shall be removed.
- MAINTENANCE OF TRAFFIC LEGEND**
- EX Existing Pavement Marking
 - Y Temporary Pavement Marking, Removable, Yellow, 4 inch
 - W Temporary Pavement Marking, Removable, White, 4 inch
 - Traffic Control Drum
 - Typical Sign Standard
 - Road Closure Sign Assembly
 - Barricade Type III-A or Type III-B
 - Traffic Flow
 - Flashing arrow board
 - Phase 2 - Temporary Pavement
 - Phase 3 - Construction

MOT DESIGN SPEED = 40 M.P.H.



RECOMMENDED FOR APPROVAL *Morgan Jade Sarama* DESIGN ENGINEER 8/21/24 DATE

DESIGNED: MJS DRAWN: TB

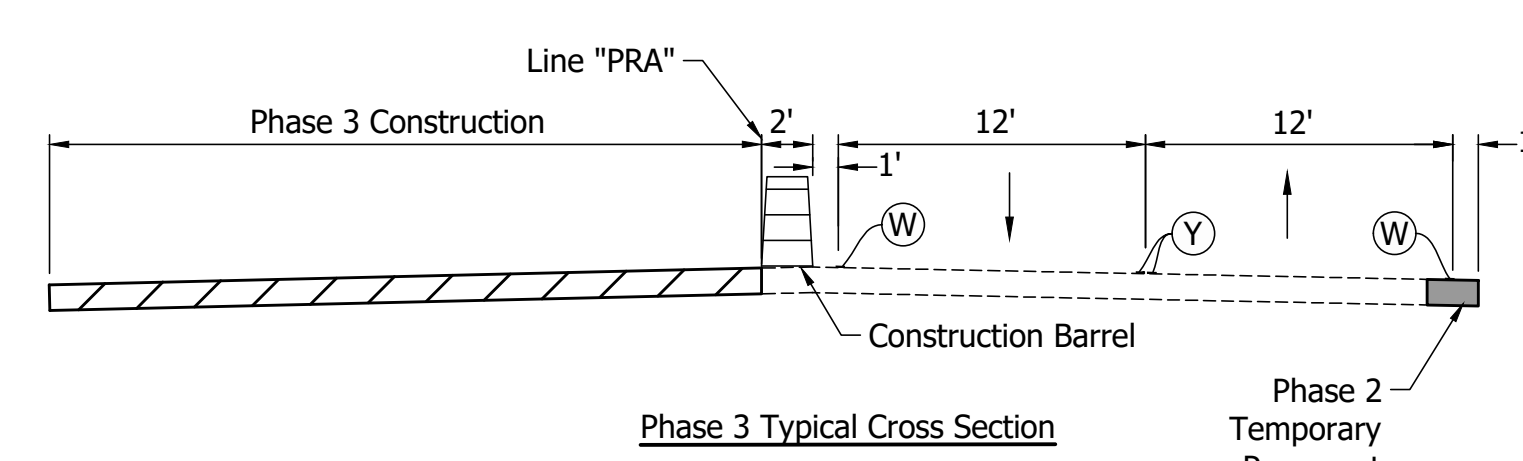
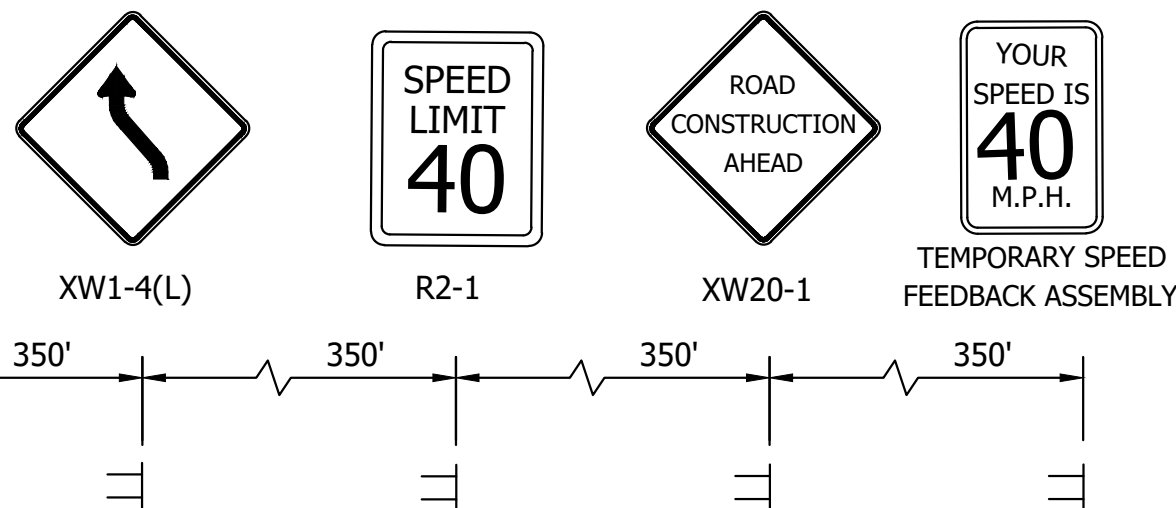
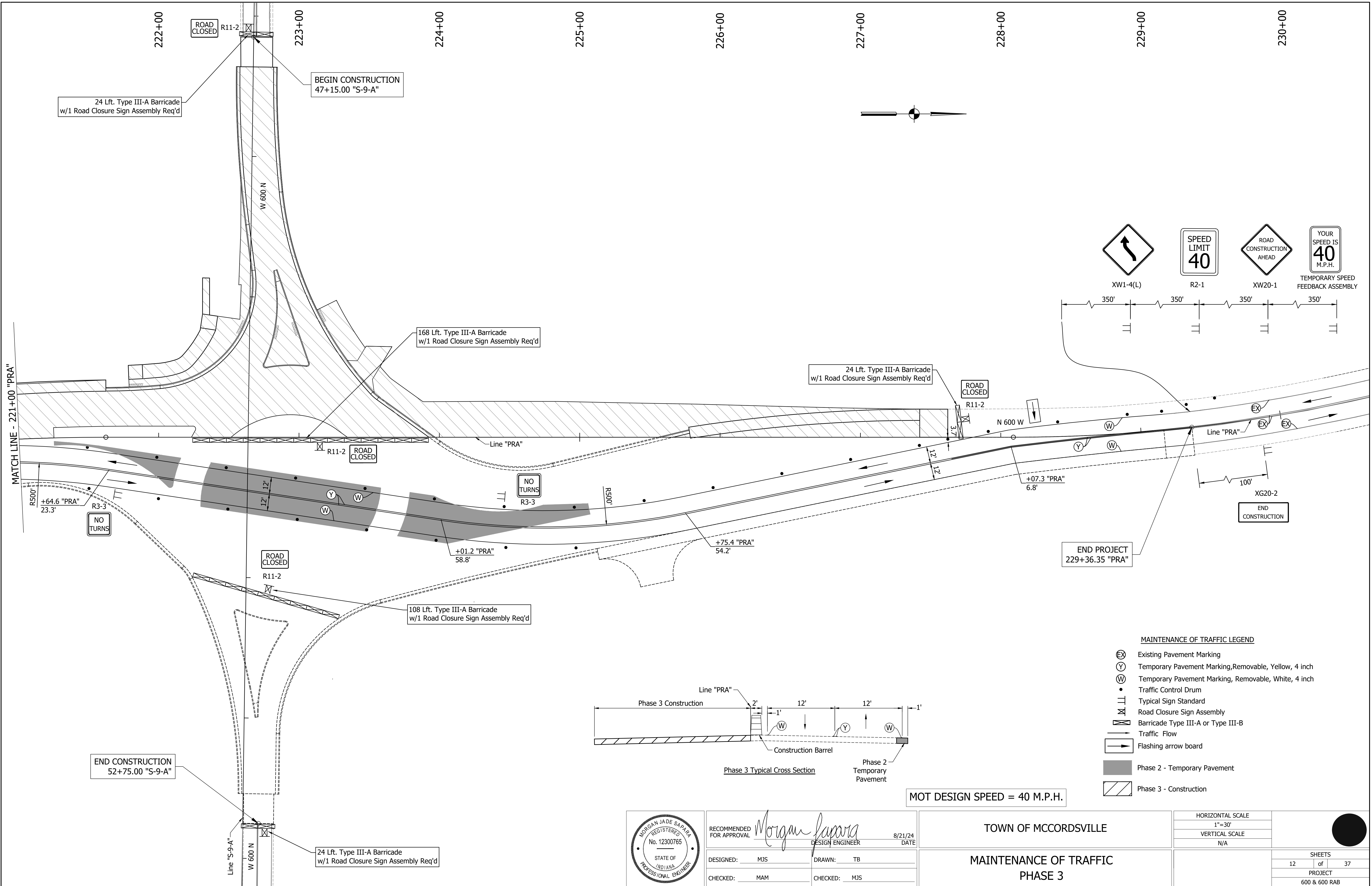
CHECKED: MAM CHECKED: MJS

TOWN OF MCCORDSVILLE

MAINTENANCE OF TRAFFIC
PHASE 3

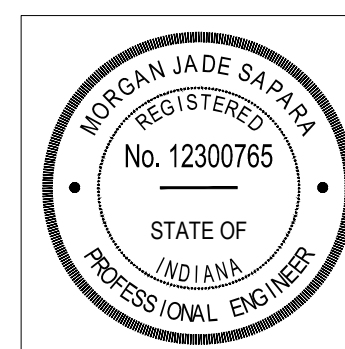
HORIZONTAL SCALE	1"=30'
VERTICAL SCALE	N/A
SHEETS	
11	of 37
PROJECT	
600 & 600 RAB	

DIRECTORY PATH : R:\Active\Chryscap Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : MOT PH.DWG
DATE/USER : 8/21/2024 10:30 AM / Yhsagui



- MAINTENANCE OF TRAFFIC LEGEND**
- EX Existing Pavement Marking
 - Y Temporary Pavement Marking, Removable, Yellow, 4 inch
 - W Temporary Pavement Marking, Removable, White, 4 inch
 - Traffic Control Drum
 - Typical Sign Standard
 - Road Closure Sign Assembly
 - Barricade Type III-A or Type III-B
 - Traffic Flow
 - Flashing arrow board
 - Phase 2 - Temporary Pavement
 - Phase 3 - Construction

MOT DESIGN SPEED = 40 M.P.H.

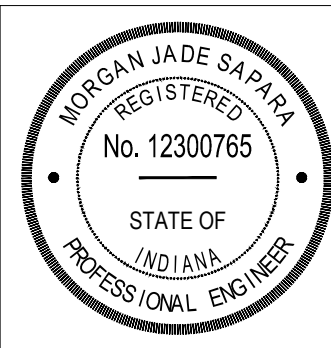
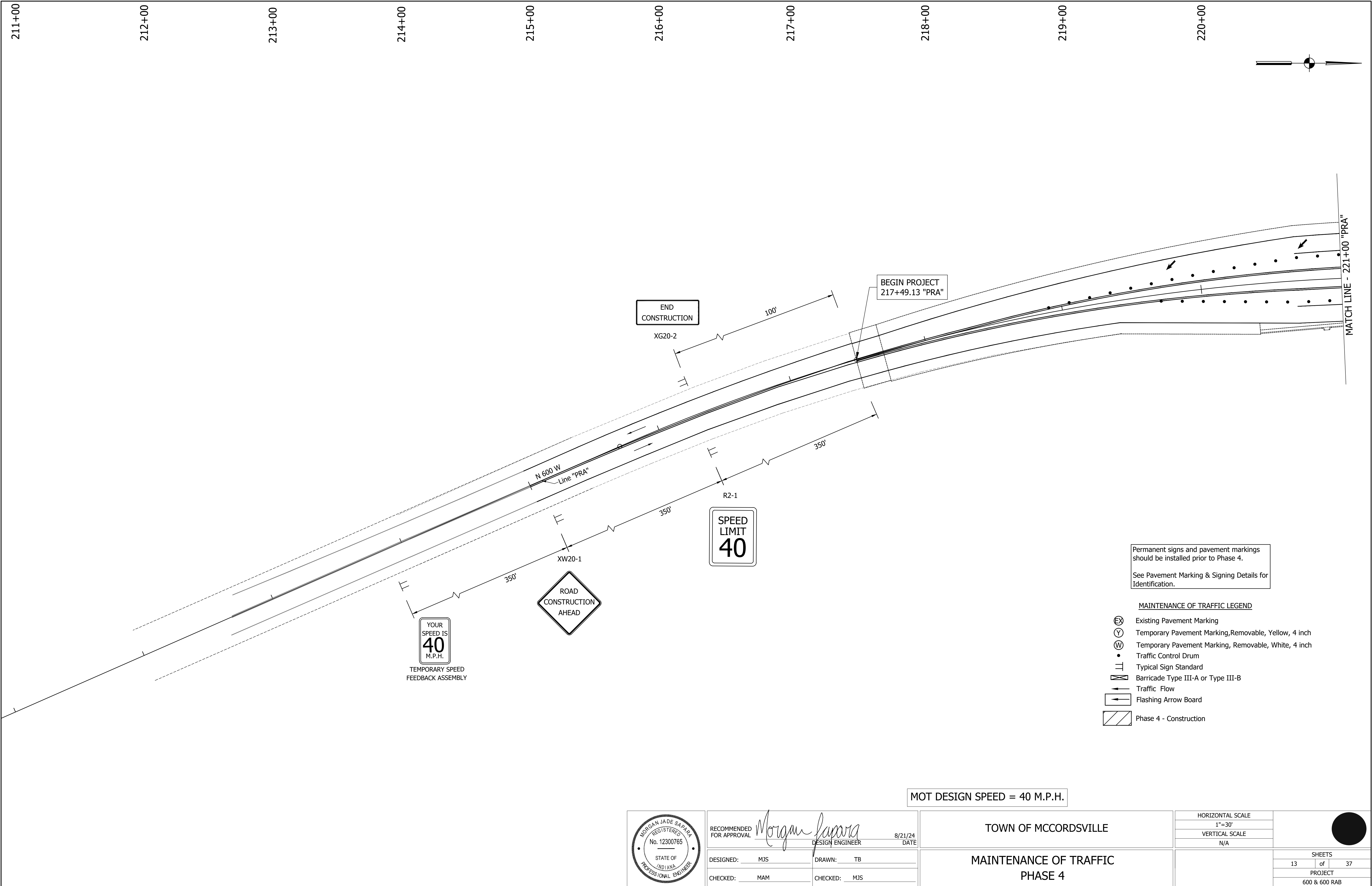


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE
MAINTENANCE OF TRAFFIC PHASE 3


HORIZONTAL SCALE 1"=30'	SHEETS 12 of 37 PROJECT 600 & 600 RAB
VERTICAL SCALE N/A	

DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : MOT PH.DWG
DATE/USER : 8/21/2024 10:30 AM / Yhsngai

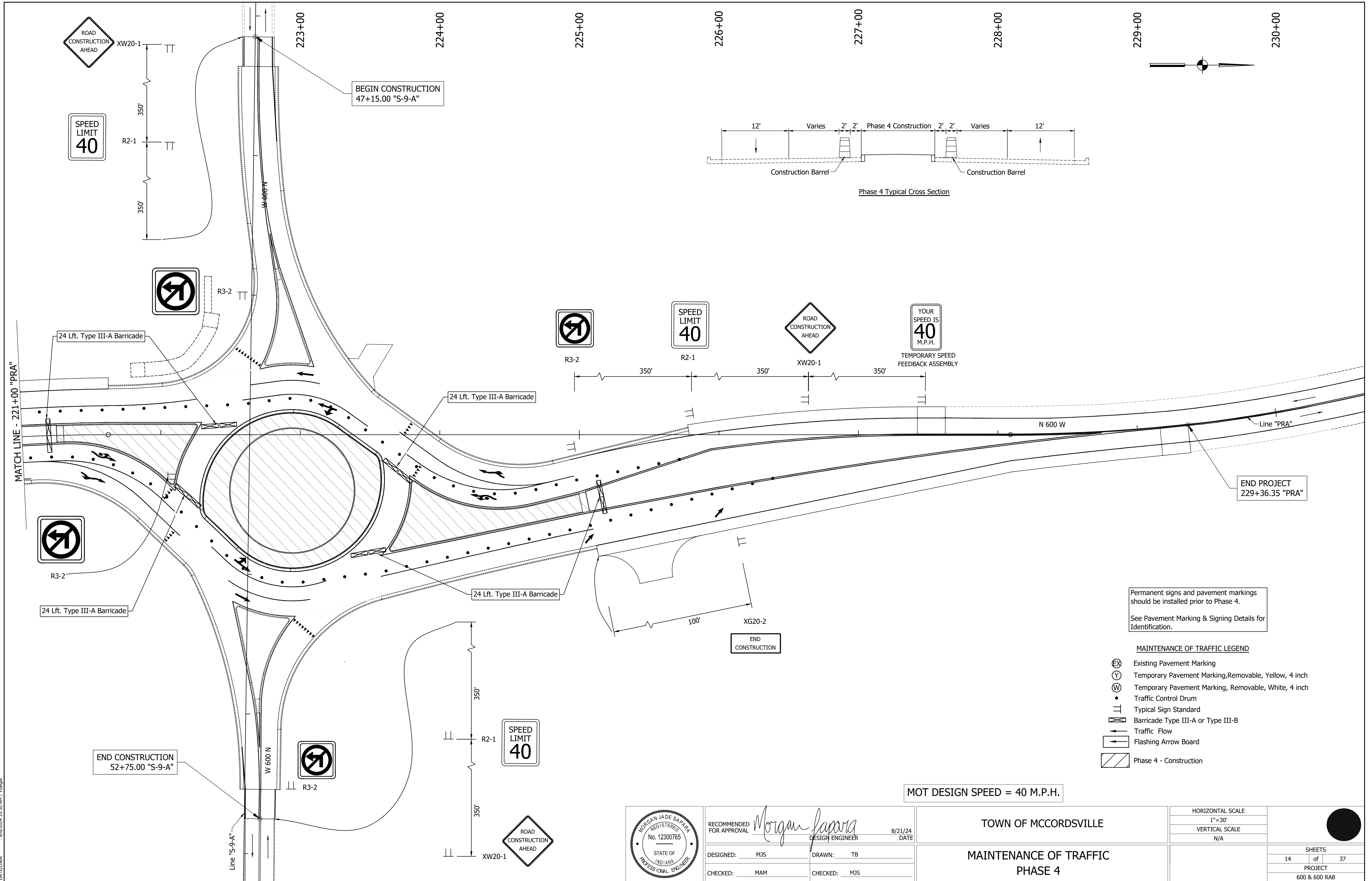


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

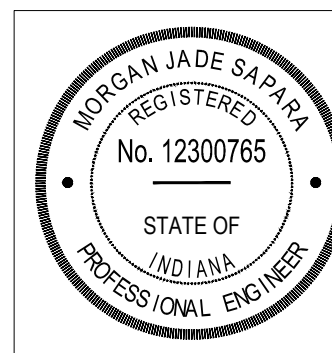
TOWN OF MCCORDSVILLE
MAINTENANCE OF TRAFFIC PHASE 4

HORIZONTAL SCALE			
1"=30'			
VERTICAL SCALE			
N/A			
	SHEETS		
	13	of	37
	PROJECT		
	600 & 600 RAB		

DIRECTORY PATH : R:\Active\Chryscap Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : MOT PH.DWG
DATE/USER : 8/2/2024 10:30 AM / Yhsagui




MAINTENANCE OF TRAFFIC LEGEND	
	Existing Pavement Marking
	Temporary Pavement Marking, Removable, Yellow, 4 inch
	Temporary Pavement Marking, Removable, White, 4 inch
	Traffic Control Drum
	Typical Sign Standard
	Barricade Type III-A or Type III-B
	Traffic Flow
	Flashing Arrow Board
	Phase 4 - Construction



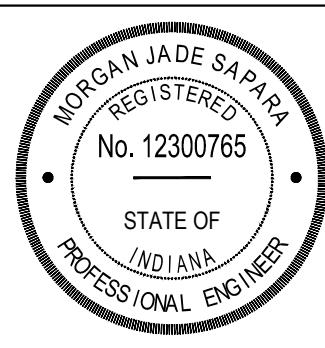
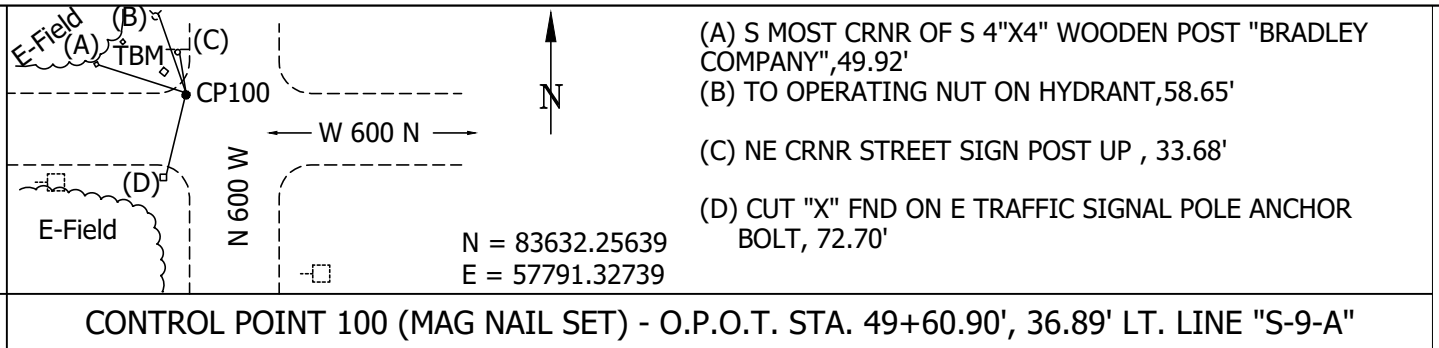
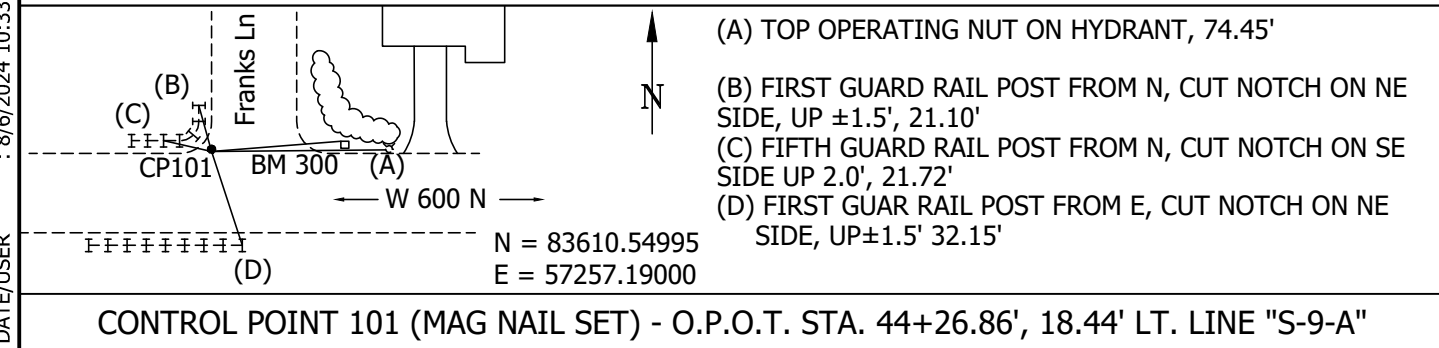
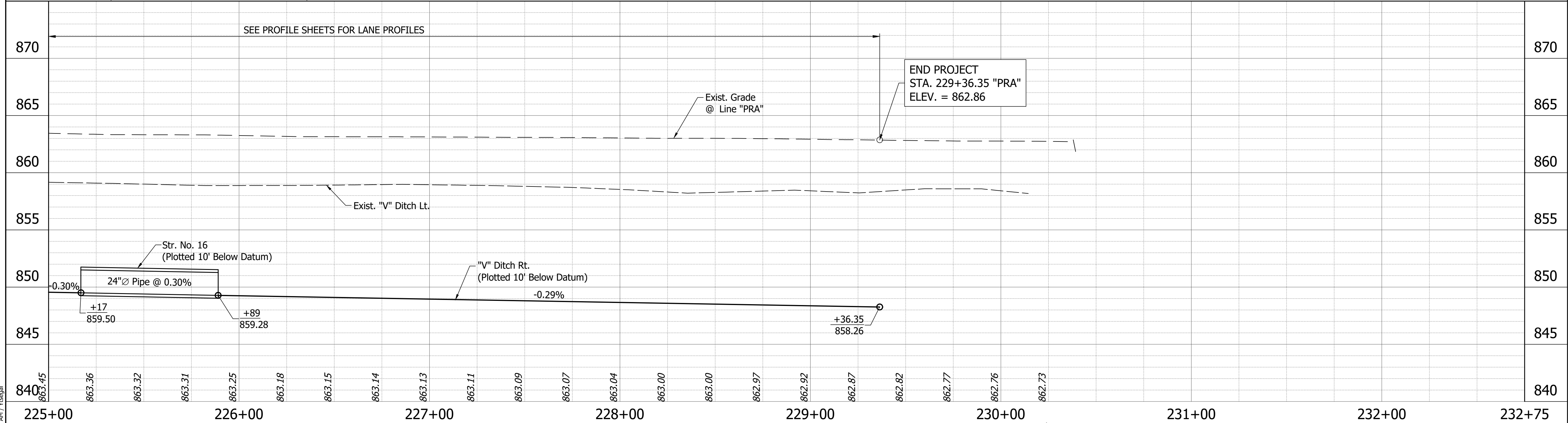
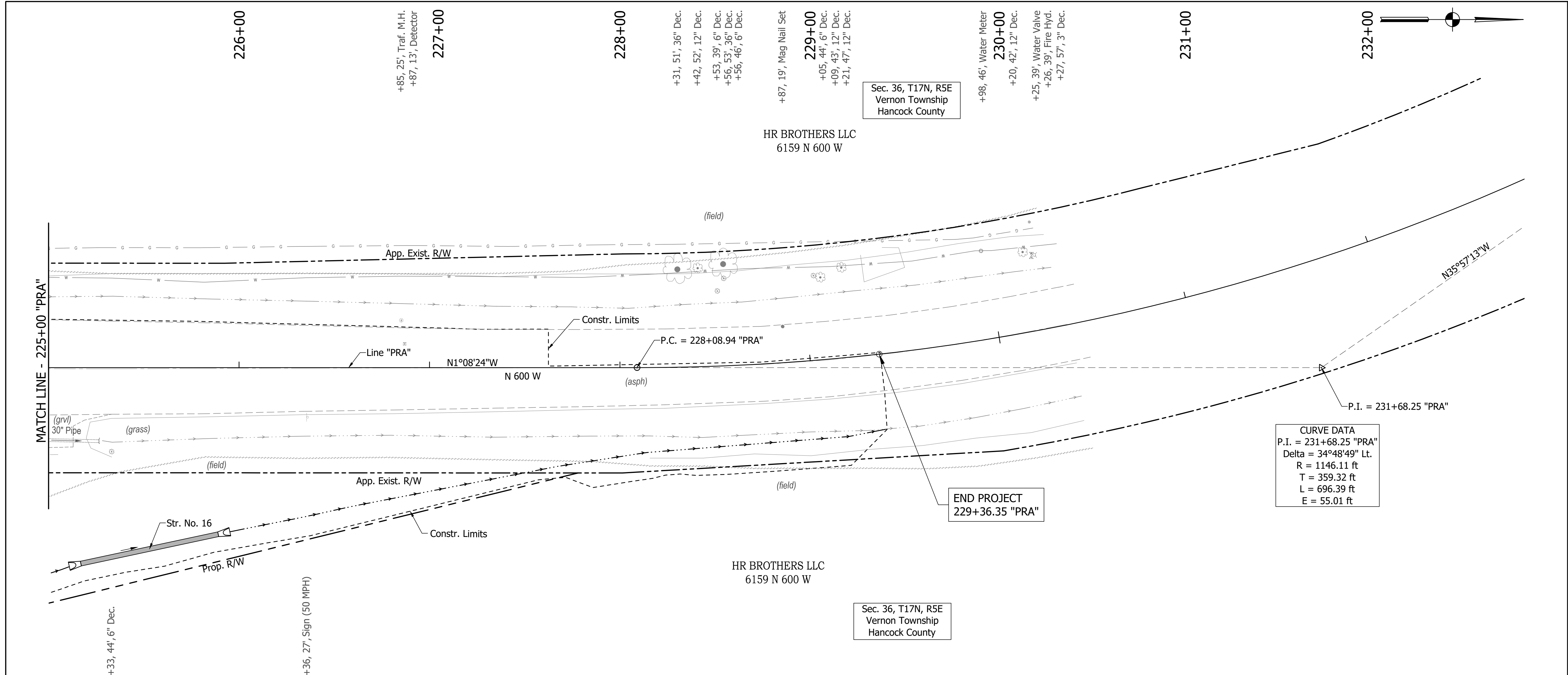
RECOMMENDED FOR APPROVAL	<i>Morgan Jade Saram</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

MOT DESIGN SPEED = 40 M.P.H.

TOWN OF MCCORDSVILLE
MAINTENANCE OF TRAFFIC PHASE 4

HORIZONTAL SCALE	
1"=30'	
VERTICAL SCALE	
N/A	
SHEETS	
14	of 37
PROJECT	
600 & 600 RAB	

DIRECTORY PATH : R:\Active\Cityscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : P:\PRA.dwg
DATE/USER : 8/21/24 10:33 AM / Yhsngai



RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED: MJS	DRAWN: TB	CHECKED: MAM	CHECKED: MJS	

TOWN OF MCCORDSVILLE	
PLAN & PROFILE LINE "PRA"	

LEGEND

EXISTING

- Storm Inlets
- Storm Manhole
- Sanitary Manhole
- Sanitary Cleanout
- Gas Line
- Gas Valve
- Gas Meter
- Water Line
- Water Valve
- Fire Hydrant
- Water Meter
- Sprinkler
- Irr. Valve
- Electric Line
- Electric Box
- Overhead Utility Line
- Power Pole w/(Riser)
- Light & Power Pole
- Mailbox
- Light & Power Pole w/Riser
- Guy Wire
- Fiber Optic Line
- Telephone Line
- Telephone Riser
- Telephone Manhole
- Cable TV Line
- Cable TV Box
- Utility Manhole
- Wood Fence
- Wire Fence
- Chainlink Fence
- Iron Fence
- Iron Pin
- Sign
- Flag Pole
- Bush
- Tree Trunk
- Deciduous Tree
- Coniferous Tree

All R/W and Topo from Line "PRA" Unless Noted Otherwise

TBM #300 - US Geological Survey Bench Mark Foundation "862 Feet 99 Rep 1951"

Sta. 44+90.35 "S-9-A", 21.65' Lt., Elev. = 861.51'

TBM #400 - Cut "X" Foundation on E Bolt of Signal Pole Base

Sta. 223+18.90 "PRA", 45.79' Lt., Elev. = 862.90'

TBM #401 - Cut Square on SW Corner of Concrete Base for Nine Star Connect Fiber Box

Sta. 57+91.16 "S-9-A", 61.55' Lt., Elev. = 866.68'

ORIGINATING BENCHMARK:

DESIGNATION - N 235

PID - KA0292

STATE/COUNTY - IN/MARION

USGS QUAD - INDIANAPOLIS EAST (1980)

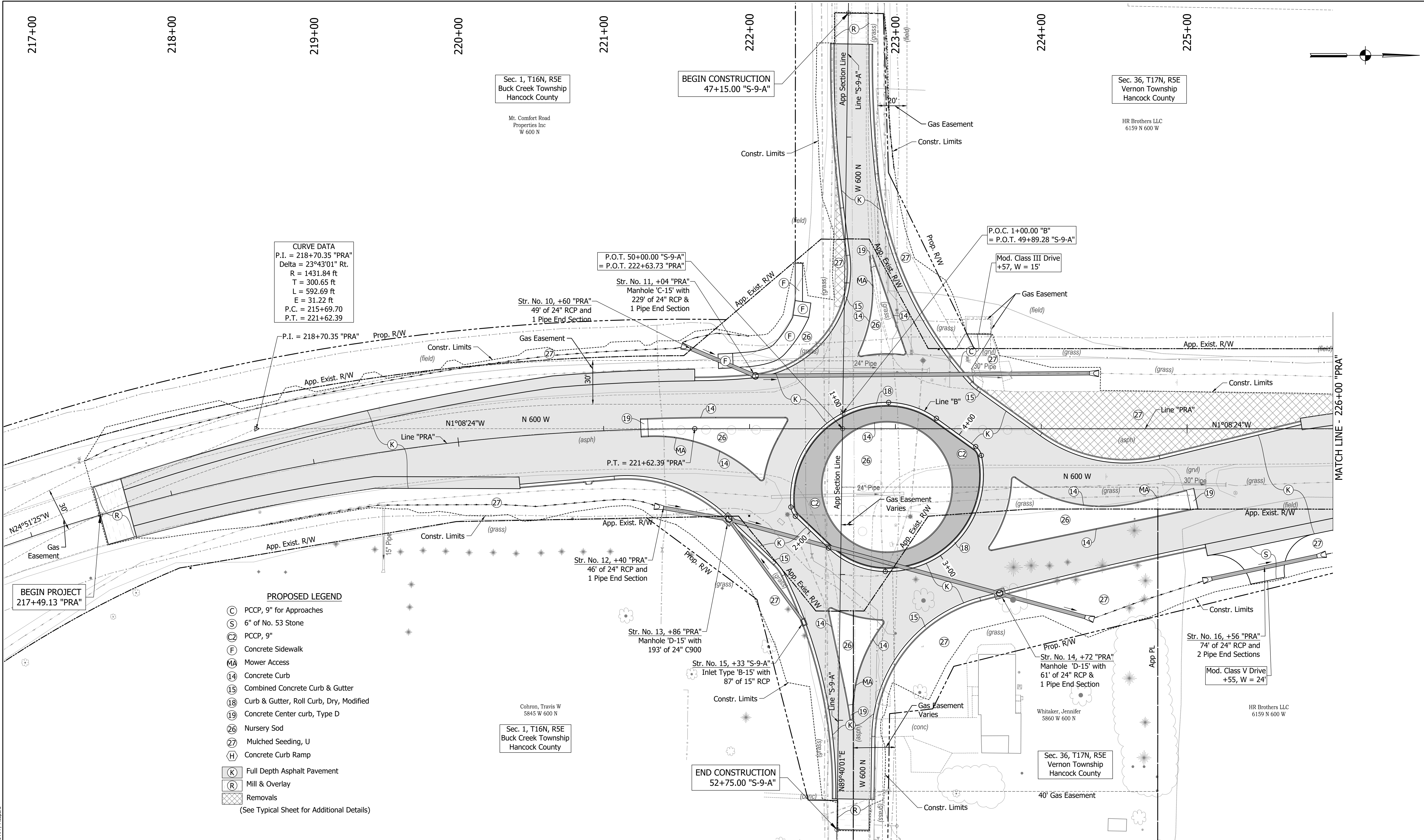
VERT ORDER - FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1947 AT FORT BENJAMIN HARRISON. AT FORT BENJAMIN HARRISON, ALONG THE NEW YORK CENTRAL RAILROAD, 58 FEET NORTH OF THE NORTH CORNER OF THE STATION, 49 FEET NORTHWEST OF THE NORTHWEST RAIL, 18.5 FEET WEST OF THE WEST CURB OF A PAVED STREET, 21 FEET NORTHWEST OF A CROSSING GATE AND FLASHER SIGNAL POLE, 5 FEET SOUTHEAST OF POWER POLE NO. 80/781, 2 FEET EAST OF A WHITE WOODEN WITNESS POST, 1 FOOT BELOW THE TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES

ELEVATION = 870.60 (NAVD 88)

HORIZONTAL SCALE	
1"=30'	
VERTICAL SCALE	
1"=5'	

SHEETS	
16	of 37
PROJECT	
600 & 600 RAB	



CURVE DATA
P.I. = 218+70.35 "PRA"
Delta = 23°43'01" Rt.
R = 1431.84 ft
T = 300.65 ft
L = 592.69 ft
E = 31.22 ft
P.C. = 215+69.70
P.T. = 221+62.39

P.O.T. 50+00.00 "S-9-A"
= P.O.T. 222+63.73 "PRA"

Str. No. 11, +04 "PRA"
Manhole 'C-15' with
229' of 24" RCP &
1 Pipe End Section

Str. No. 10, +60 "PRA"
49' of 24" RCP and
1 Pipe End Section

P.O.C. 1+00.00 "B"
= P.O.T. 49+89.28 "S-9-A"

Mod. Class III Drive
+57, W = 15'

P.I. = 218+70.35 "PRA"

P.T. = 221+62.39 "PRA"

Str. No. 12, +40 "PRA"
46' of 24" RCP and
1 Pipe End Section

Str. No. 13, +86 "PRA"
Manhole 'D-15' with
193' of 24" C900

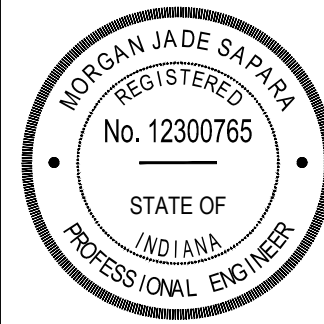
Str. No. 15, +33 "S-9-A"
Inlet Type 'B-15' with
87' of 15" RCP

Str. No. 14, +72 "PRA"
Manhole 'D-15' with
61' of 24" RCP &
1 Pipe End Section

Str. No. 16, +56 "PRA"
74' of 24" RCP and
2 Pipe End Sections

Mod. Class V Drive
+55, W = 24'

- PROPOSED LEGEND
- (C) PCCP, 9" for Approaches
 - (S) 6" of No. 53 Stone
 - (CZ) PCCP, 9"
 - (F) Concrete Sidewalk
 - (MA) Mower Access
 - (14) Concrete Curb
 - (15) Combined Concrete Curb & Gutter
 - (18) Curb & Gutter, Roll Curb, Dry, Modified
 - (19) Concrete Center curb, Type D
 - (26) Nursery Sod
 - (27) Mulched Seeding, U
 - (H) Concrete Curb Ramp
 - (K) Full Depth Asphalt Pavement
 - (R) Mill & Overlay
 - (X) Removals
- (See Typical Sheet for Additional Details)



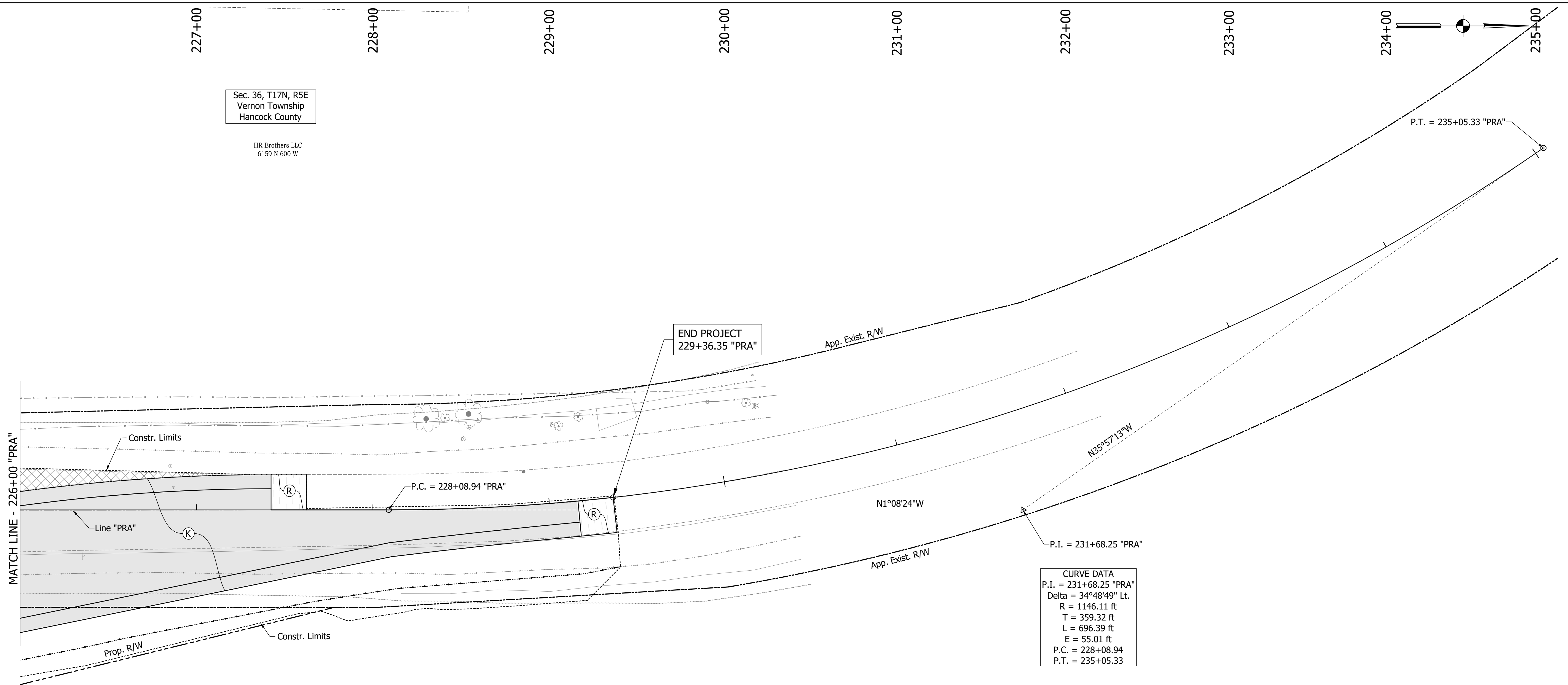
RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24
DESIGNED:	MJS	DRAWN:	TB
CHECKED:	MAM	CHECKED:	MJS

TOWN OF MCCORDSVILLE
CONSTRUCTION DETAILS

HORIZONTAL SCALE	1"=30'
VERTICAL SCALE	N/A
SHEETS	18 of 37
PROJECT	600 & 600 RAB

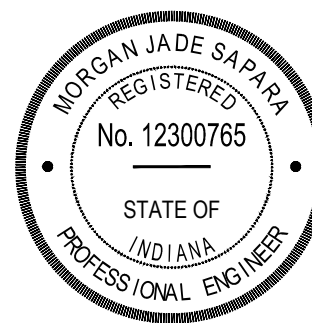
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DATE/USER : 8/20/2024 10:00 AM / Hagan

DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : CONSTR.DETAIL.dwg
DATE/USER : 8/20/2024 10:02 AM / Morgan



PROPOSED LEGEND

- (C) PCCP, 9" for Approaches
 - (S) 6" of No. 53 Stone
 - (C2) PCCP, 9"
 - (F) Concrete Sidewalk
 - (MA) Mower Access
 - (14) Concrete Curb
 - (15) Combined Concrete Curb & Gutter
 - (18) Curb & Gutter, Roll Curb, Dry, Modified
 - (19) Concrete Center curb, Type D
 - (26) Nursery Sod
 - (27) Mulched Seeding, U
 - (H) Concrete Curb Ramp
 - (K) Full Depth Asphalt Pavement
 - (R) Mill & Overlay
 - (X) Removals
- (See Typical Sheet for Additional Details)



RECOMMENDED
FOR APPROVAL

Morgan Jade Sapara
DESIGN ENGINEER

8/21/24
DATE

DESIGNED: MJS

DRAWN: TB

CHECKED: MAM

CHECKED: MJS

TOWN OF MCCORDSVILLE

CONSTRUCTION DETAILS

HORIZONTAL SCALE

1"=30'

VERTICAL SCALE

N/A

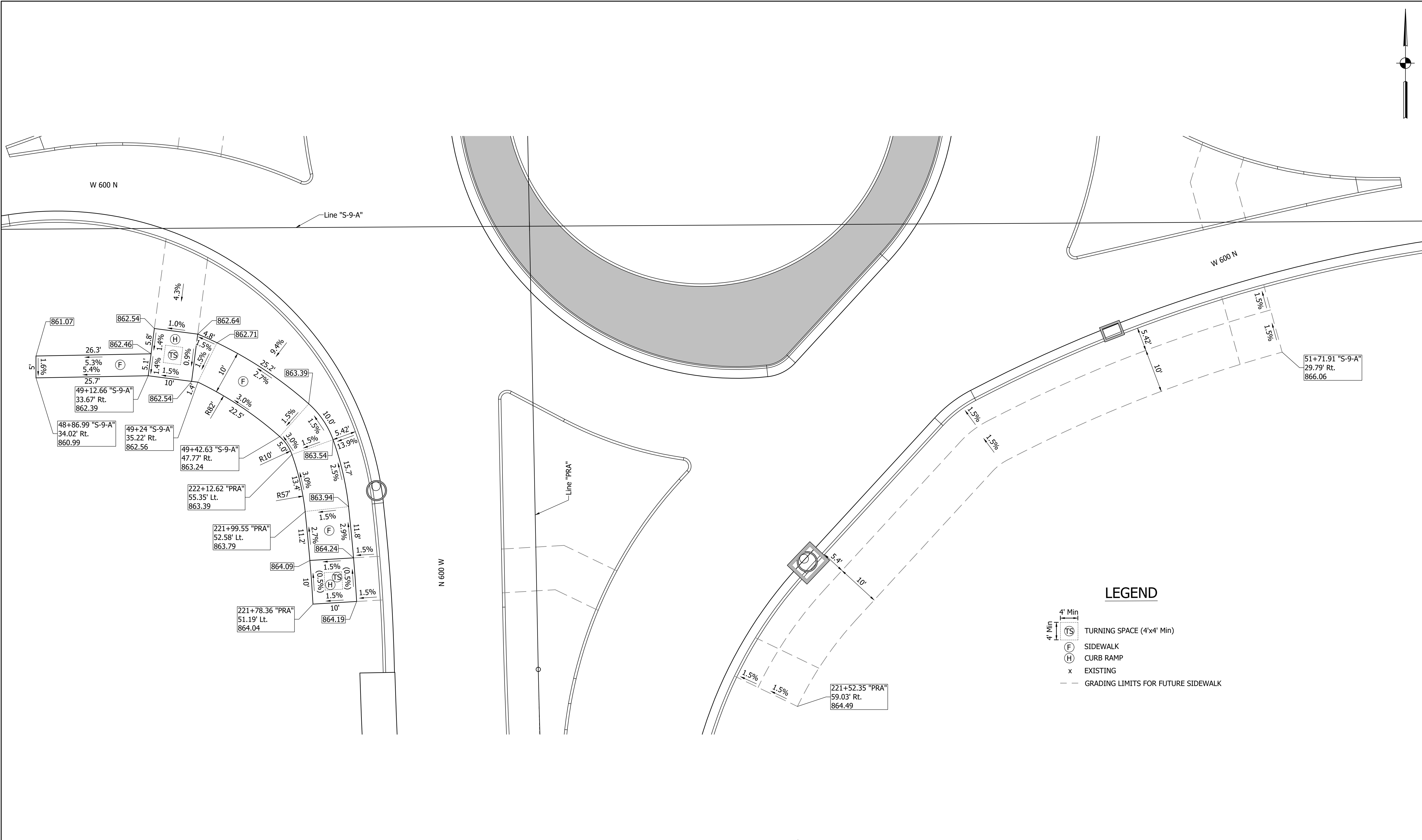
SHEETS

19 of 37

PROJECT

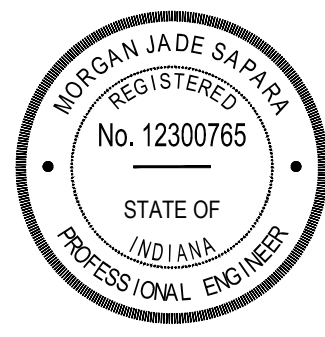
600 & 600 RAB

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FILENAME : GRADING AND WALKING
DATE/USER : 8/21/24 10:30 AM / TMSgm



LEGEND

4' Min
4' Min
TS TURNING SPACE (4'x4' Min)
F SIDEWALK
H CURB RAMP
x EXISTING
--- GRADING LIMITS FOR FUTURE SIDEWALK

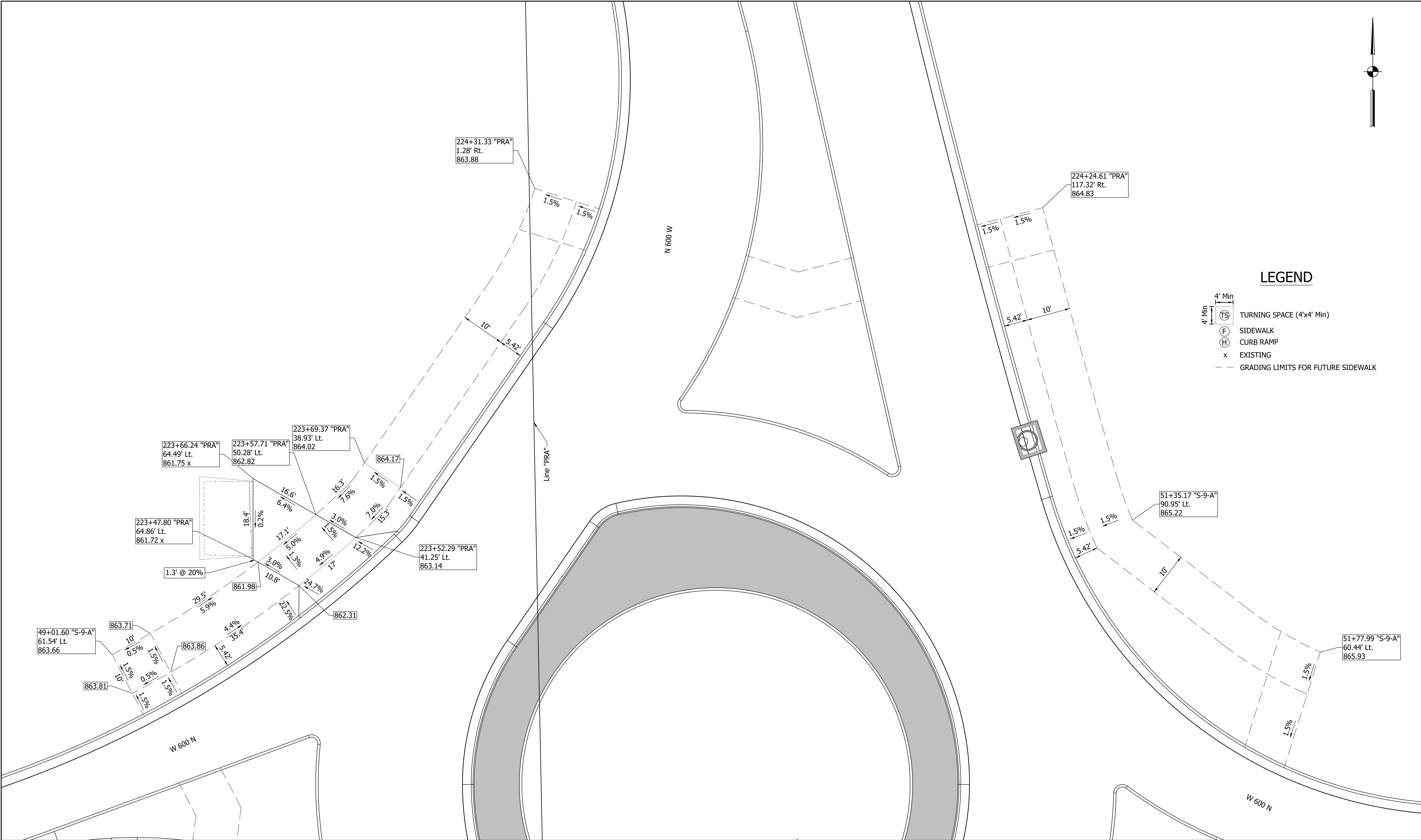


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE
SIDEWALK AND GRADING SHEET

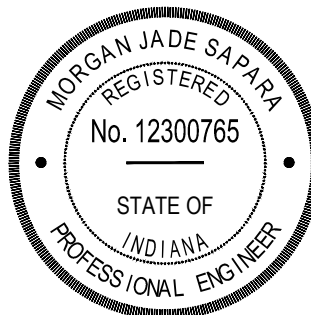
HORIZONTAL SCALE	1"=10'
VERTICAL SCALE	N/A
SHEETS	20 of 37
PROJECT	600 & 600 RAB

DIRECTORY PATH : R:\Active\Chryscap Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : GRADING AND WALKING
DATE/USER : 8/21/24 10:30 AM / Tjoseph



LEGEND

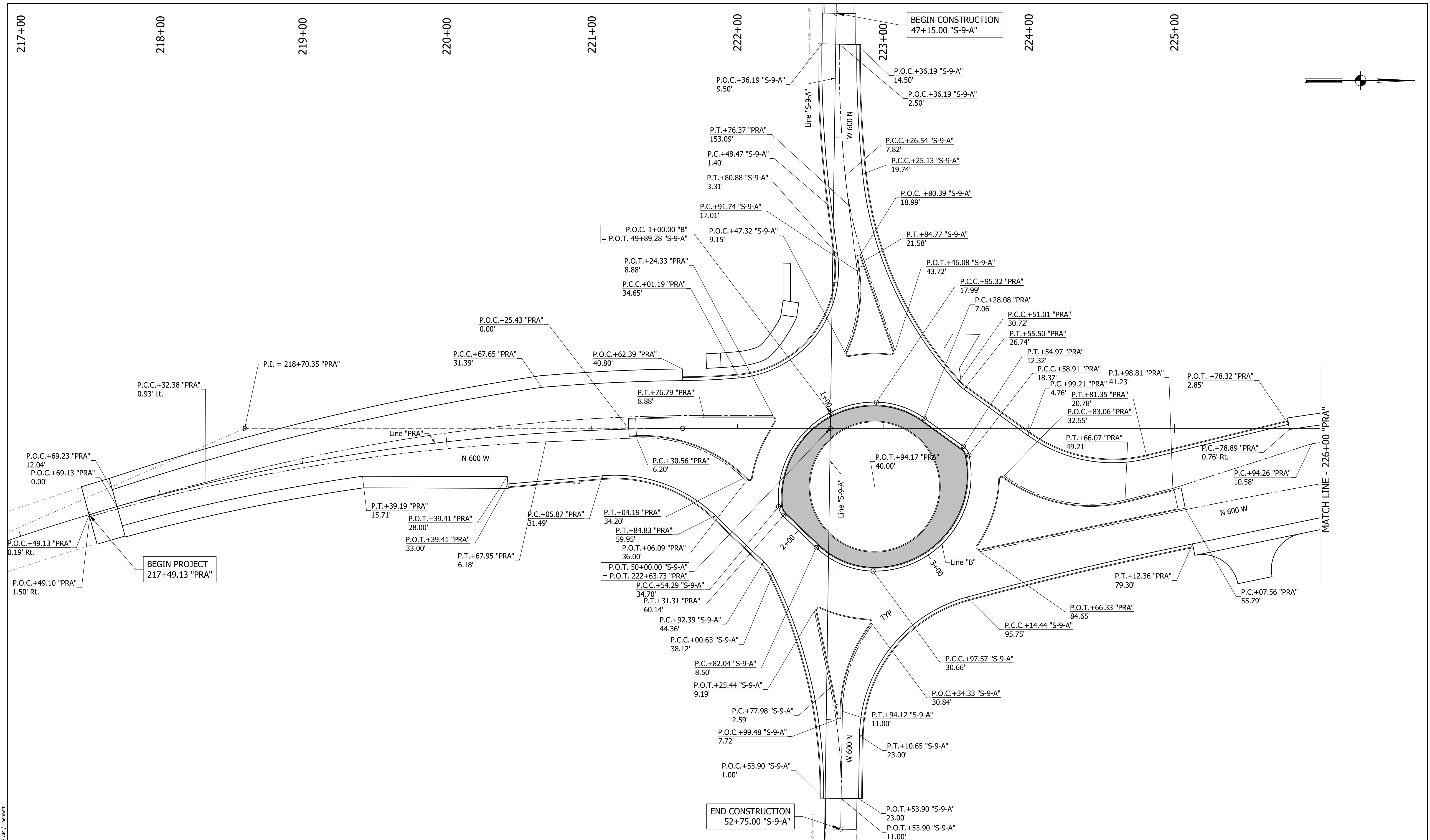
- 4' Min
4' Min
TS TURNING SPACE (4'x4' Min)
F SIDEWALK
H CURB RAMP
x EXISTING
— GRADING LIMITS FOR FUTURE SIDEWALK



RECOMMENDED FOR APPROVAL	Morgan Jade Sapara	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	


TOWN OF MCCORDSVILLE
SIDEWALK AND GRADING SHEET

HORIZONTAL SCALE	1"=10'
VERTICAL SCALE	N/A
SHEETS	21 of 37
PROJECT	600 & 600 RAB




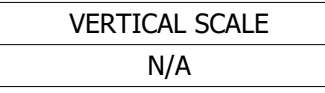
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 DATE/USER : 8/21/2024 11:28 AM / Tbennett



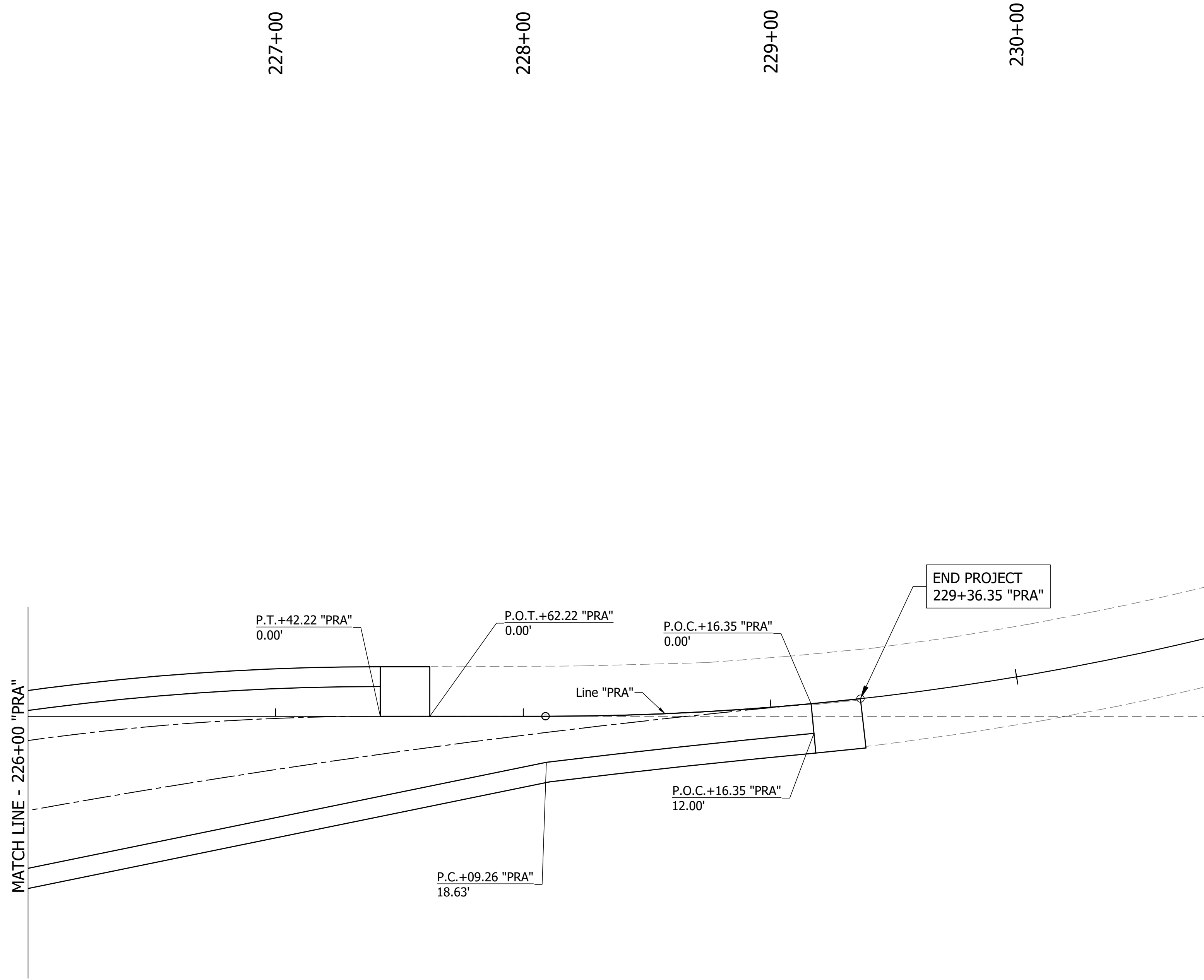
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	8/21/24 DATE
DESIGNED: MJS	DRAWN: TB		
CHECKED: MAM	CHECKED: MJS		

TOWN OF MCCORDSVILLE

GEOMETRIC SHEET

HORIZONTAL SCALE				
1"=30'				
VERTICAL SCALE				
N/A				
		SHEETS		
		22	of	37
		PROJECT		
		600 & 600 RAB		

DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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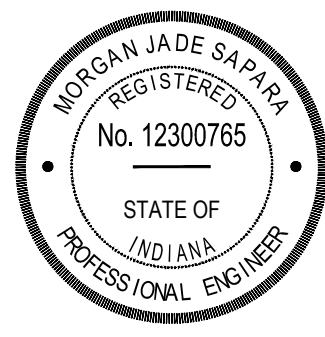
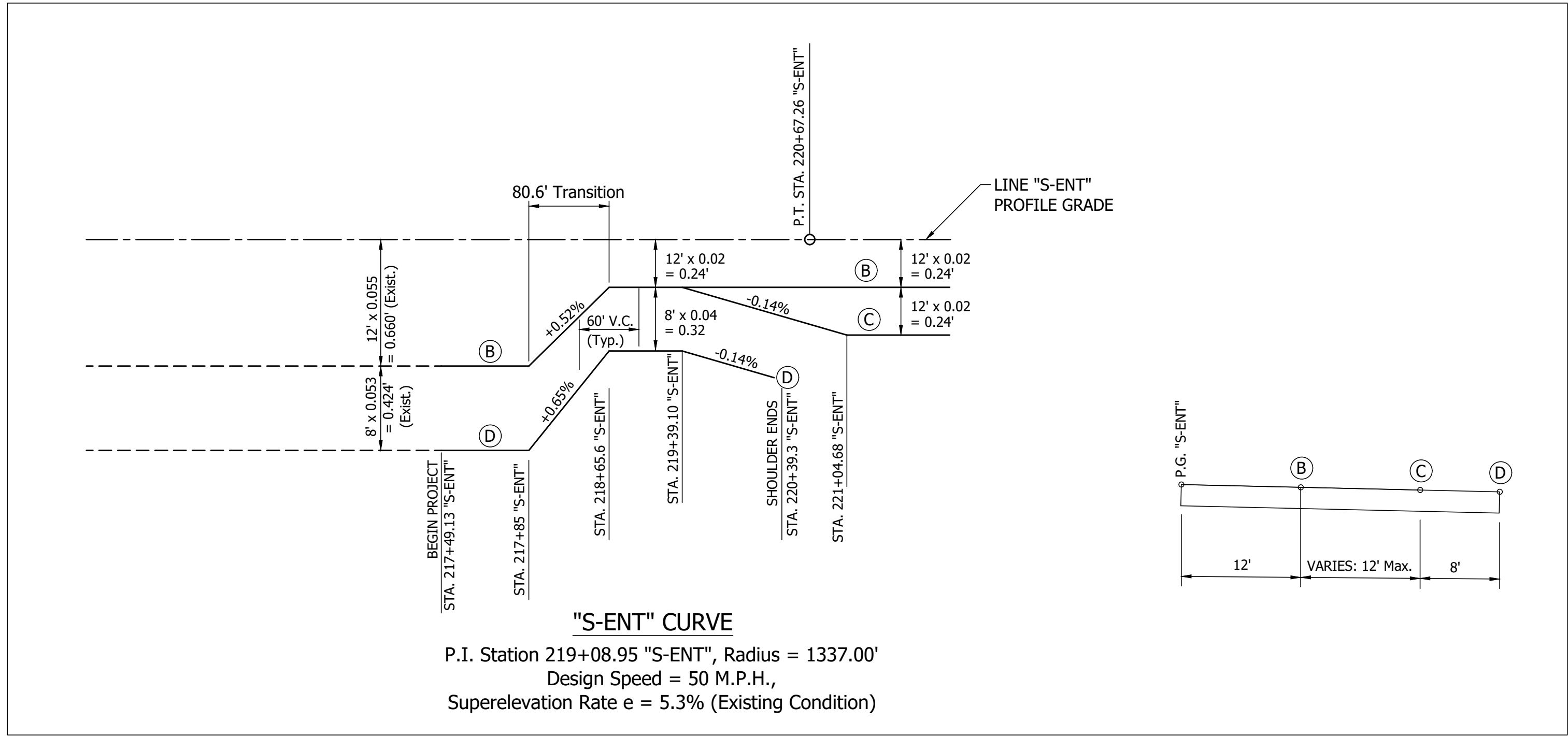
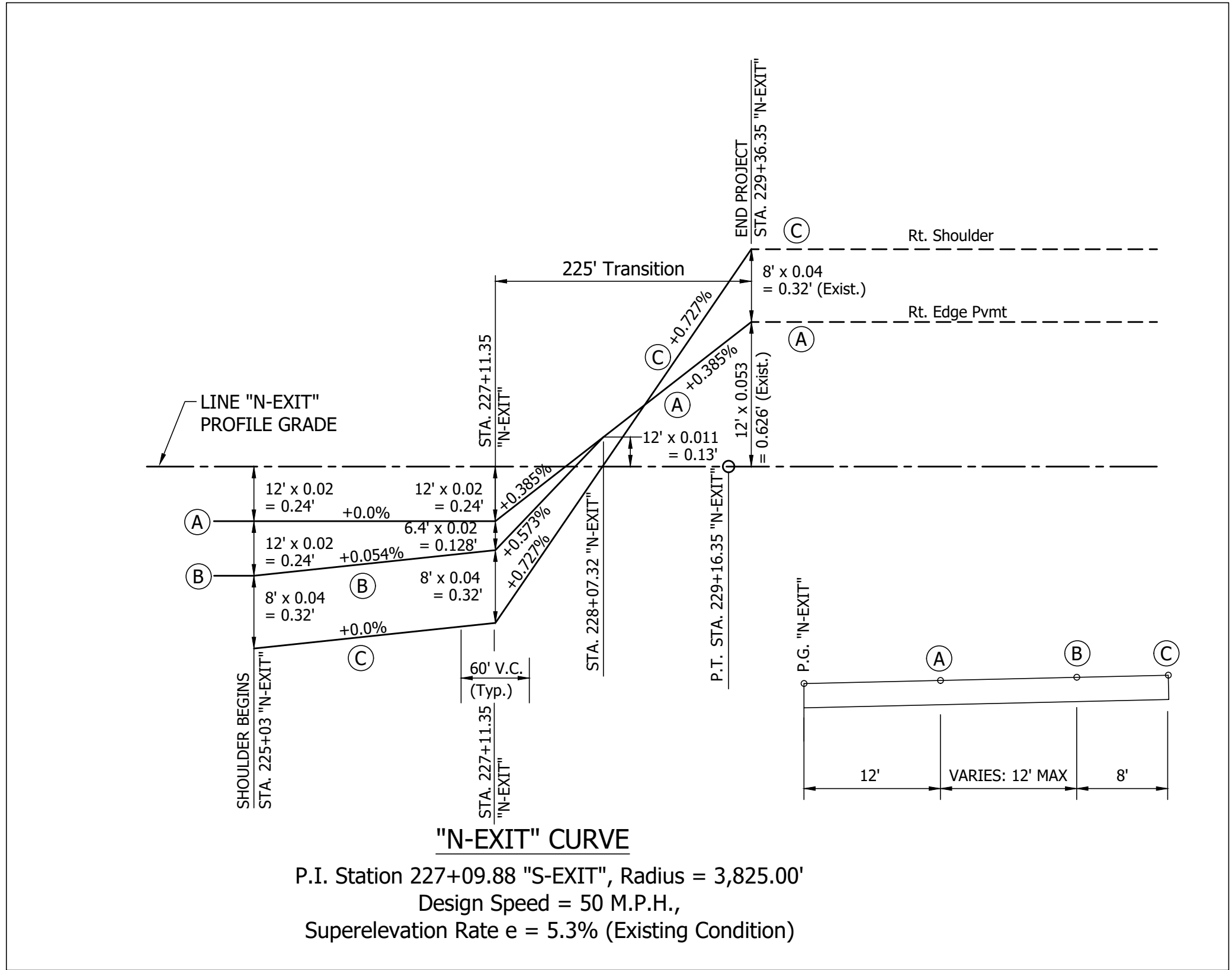
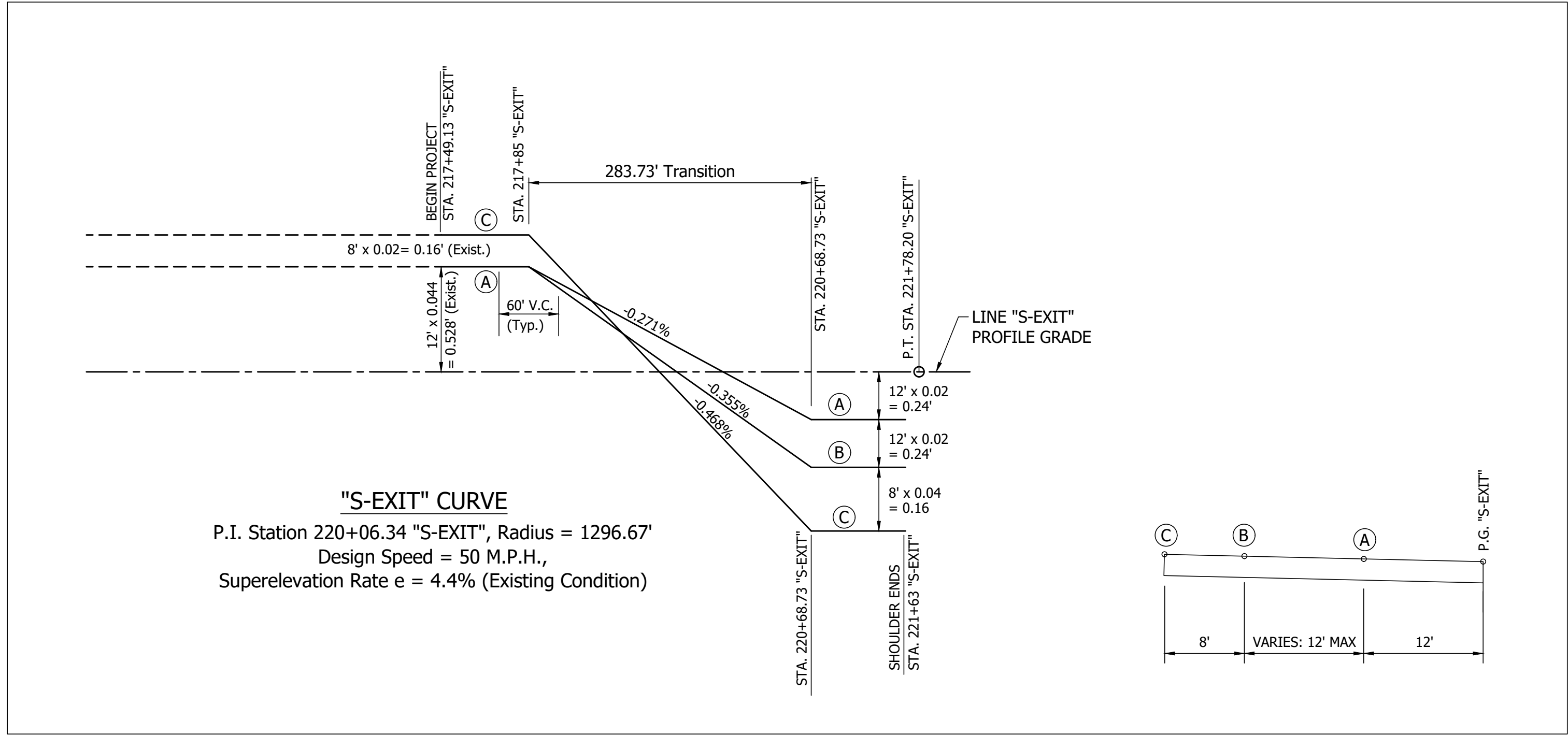
RECOMMENDED FOR APPROVAL	<i>Andrew John Wolf</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE

GEOMETRIC SHEET

HORIZONTAL SCALE
1"=30'
VERTICAL SCALE
N/A

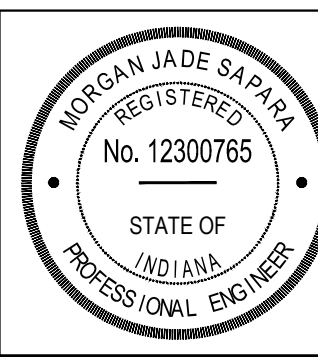
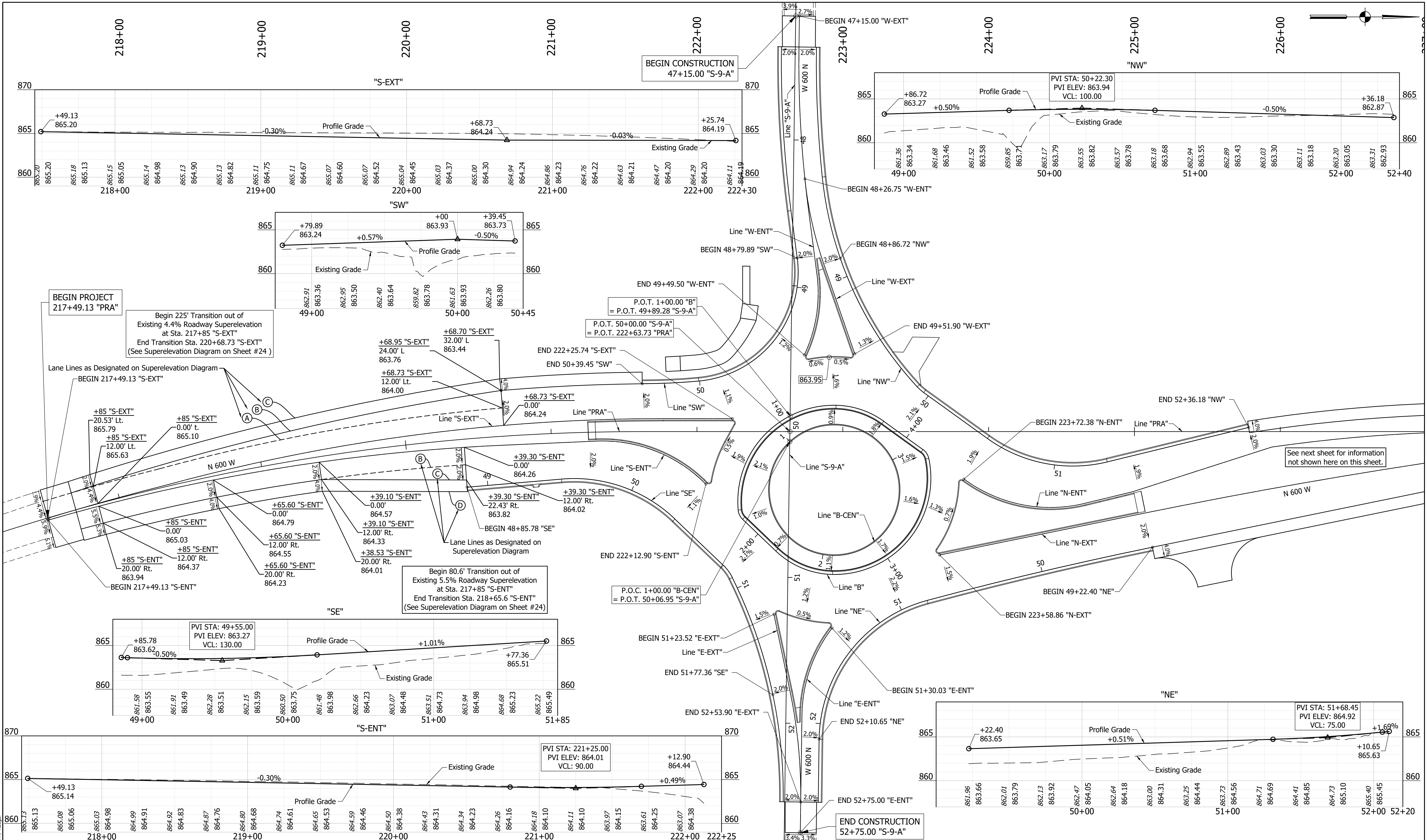
SHEETS		
23	of	37
PROJECT		
600 & 600 RAB		



RECOMMENDED FOR APPROVAL	<i>Morgan Jade Saram</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE	HORIZONTAL SCALE	1"=30'
	VERTICAL SCALE	
SUPERELEVATION DIAGRAMS	SHEETS	24 of 37
	PROJECT	600 & 600 RAB

DIRECTORY PATH : R:\ActiveCityscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : PROFILES.dwg
DATE/USER : 8/17/2024 1:39 PM / jnsal

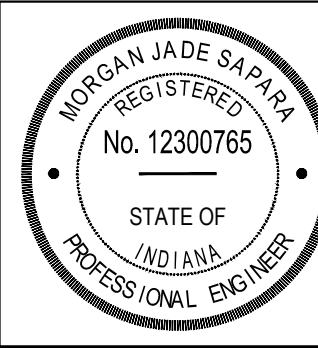
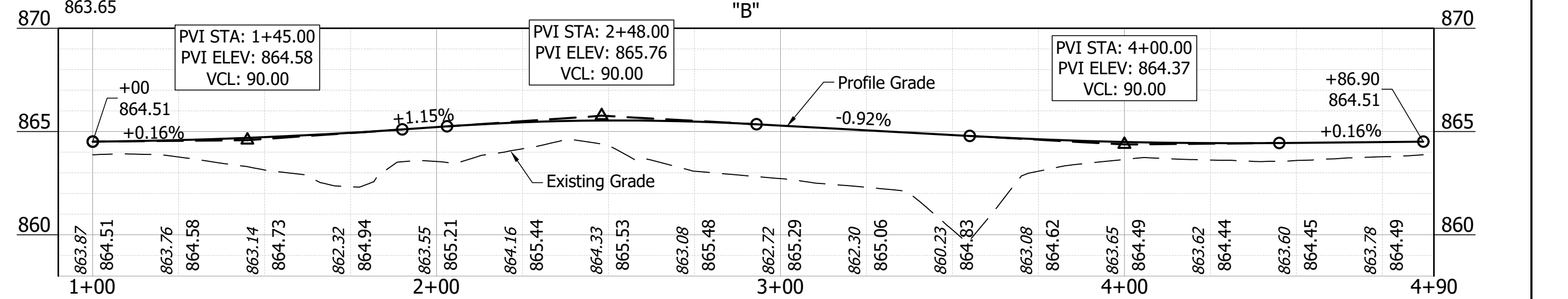
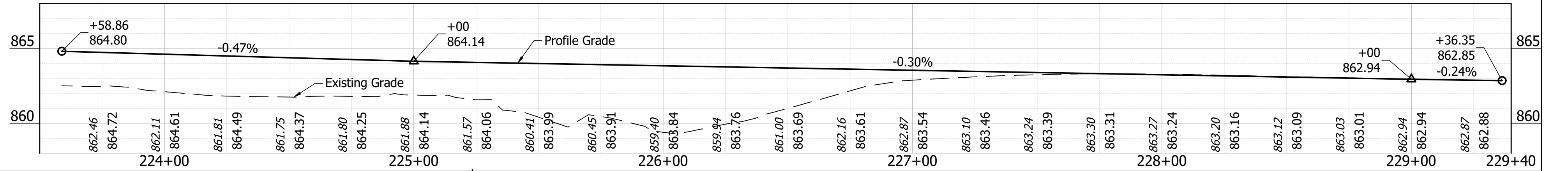
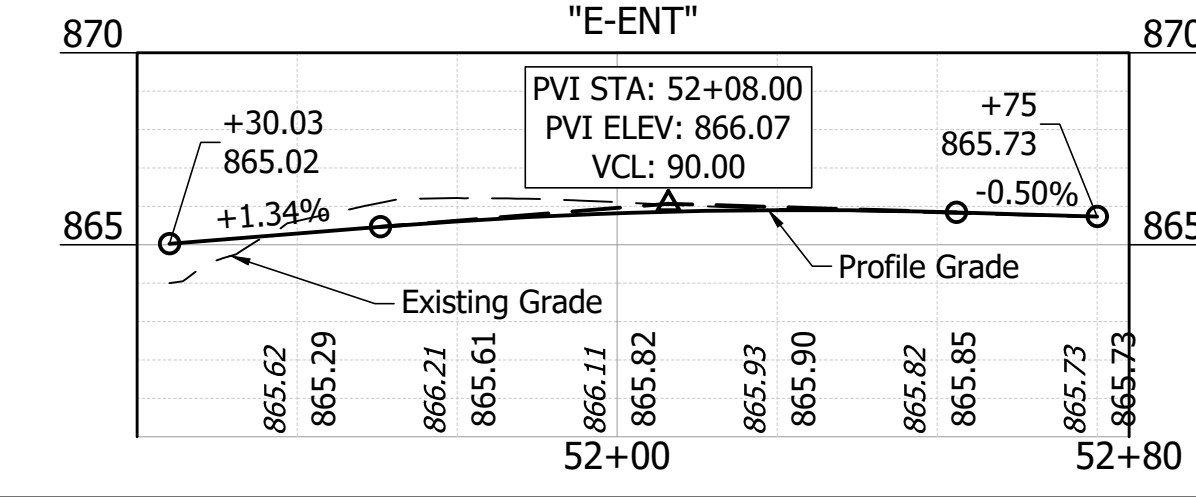
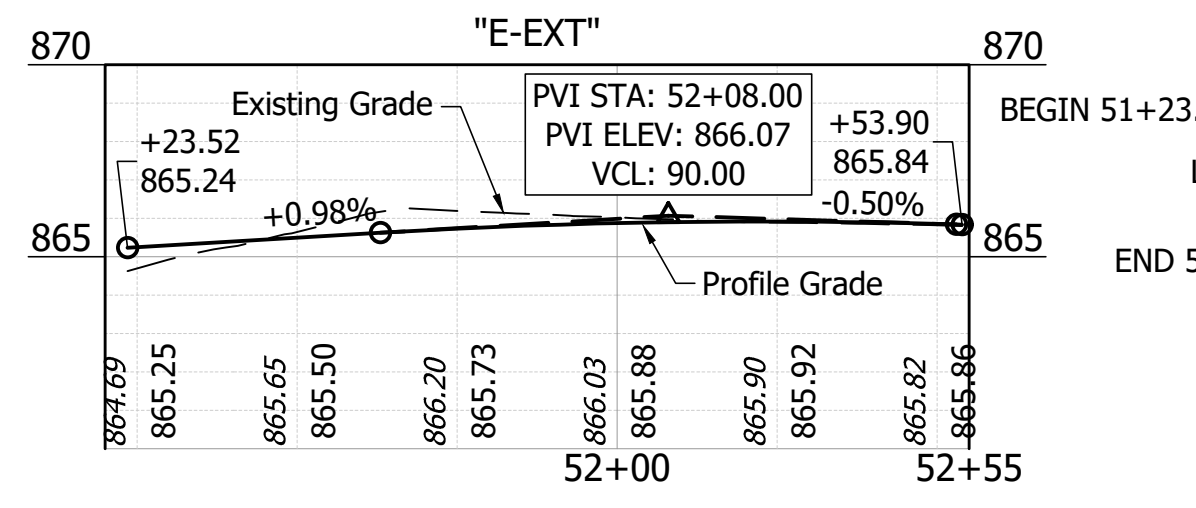
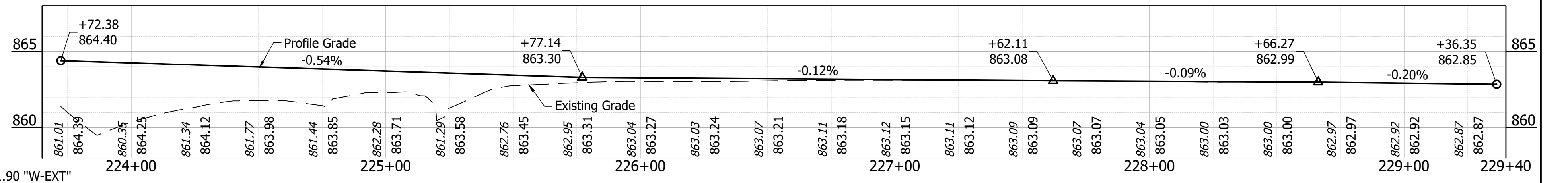
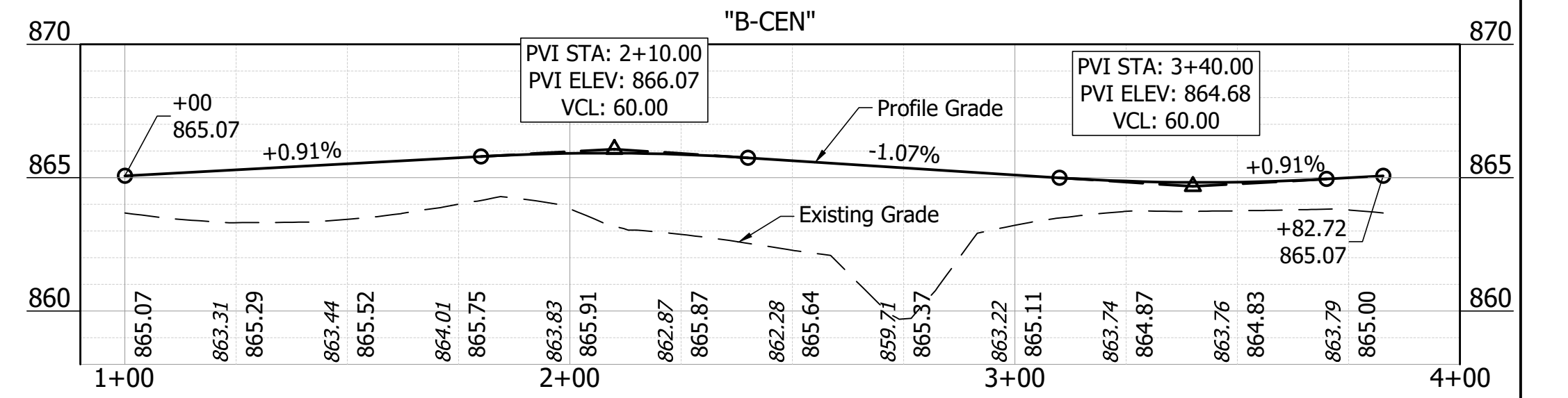
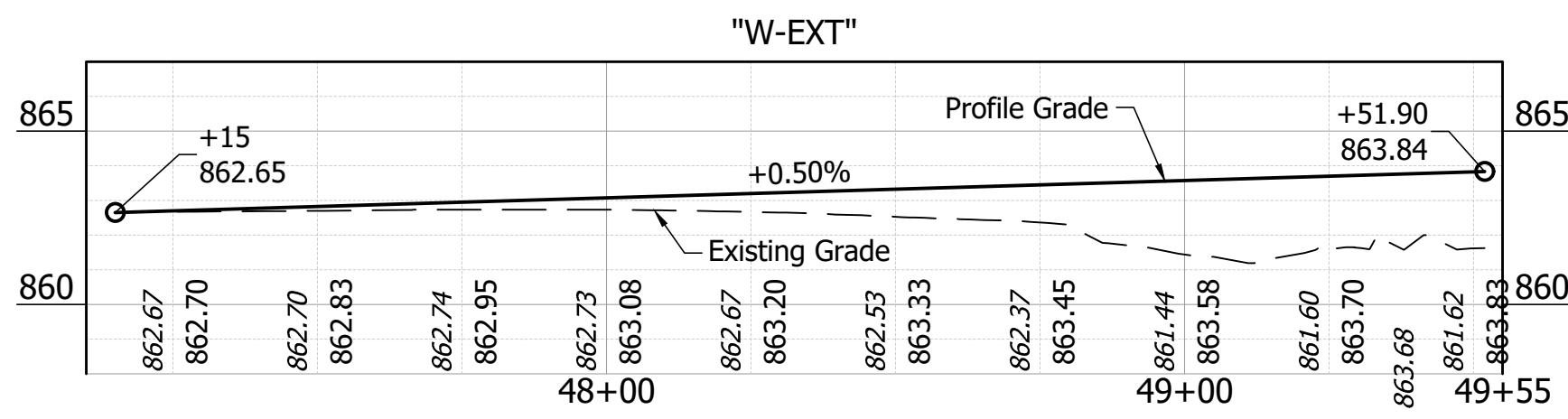
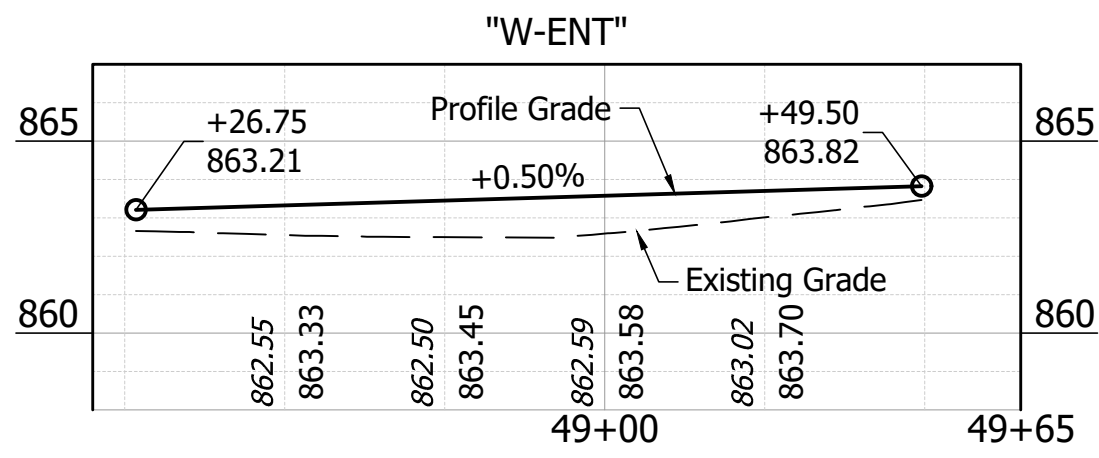
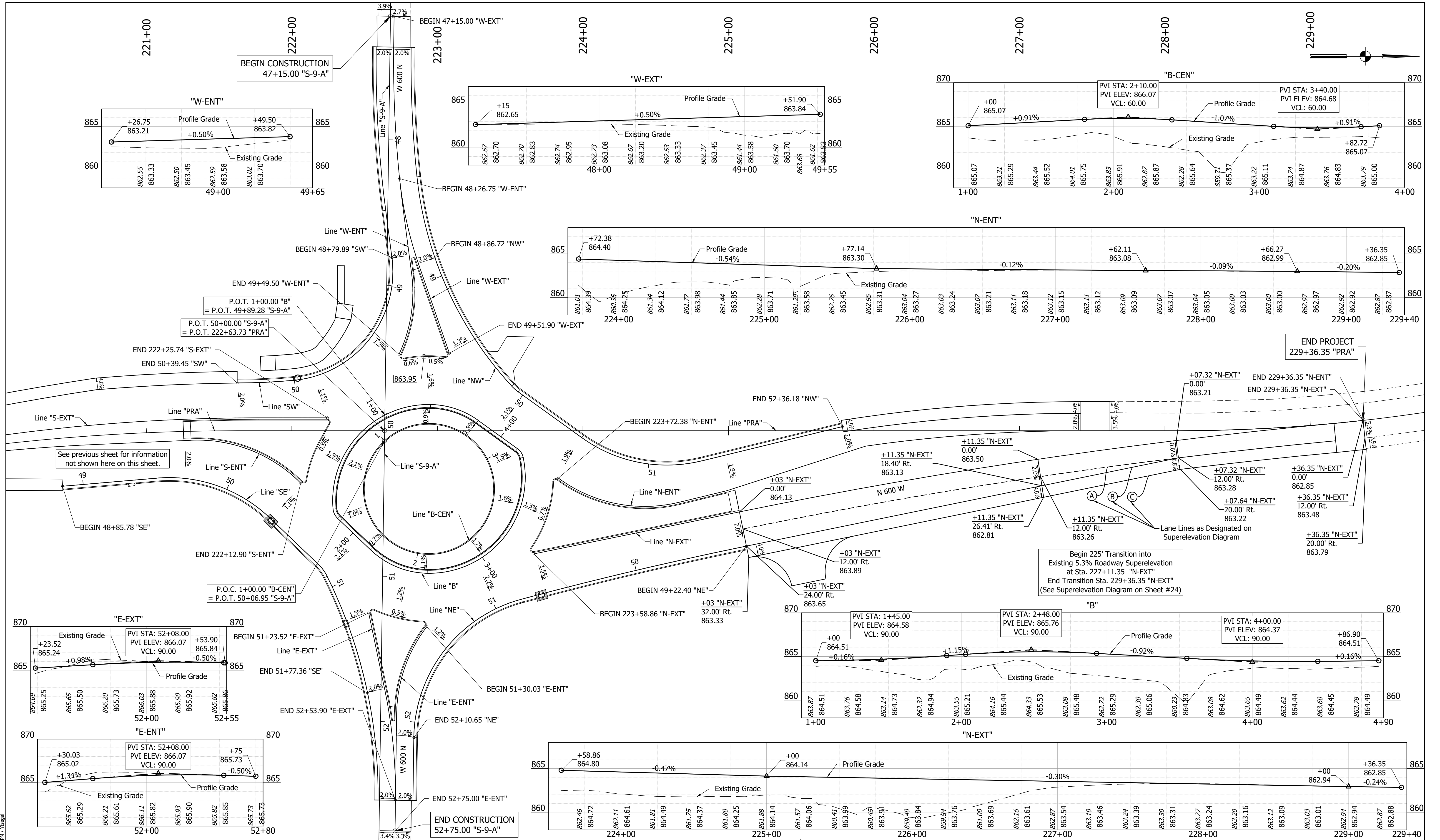


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TOWN OF MCCORDSVILLE
PROFILES AND SPOT ELEVATIONS


HORIZONTAL SCALE 1"=30'	SHEETS 25 of 37 PROJECT 600 & 600 RAB
VERTICAL SCALE 1"=5'	

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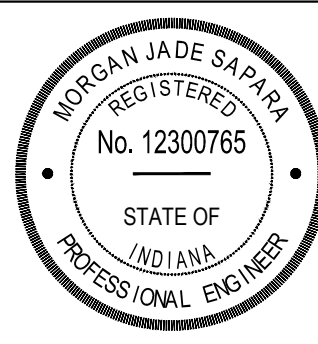
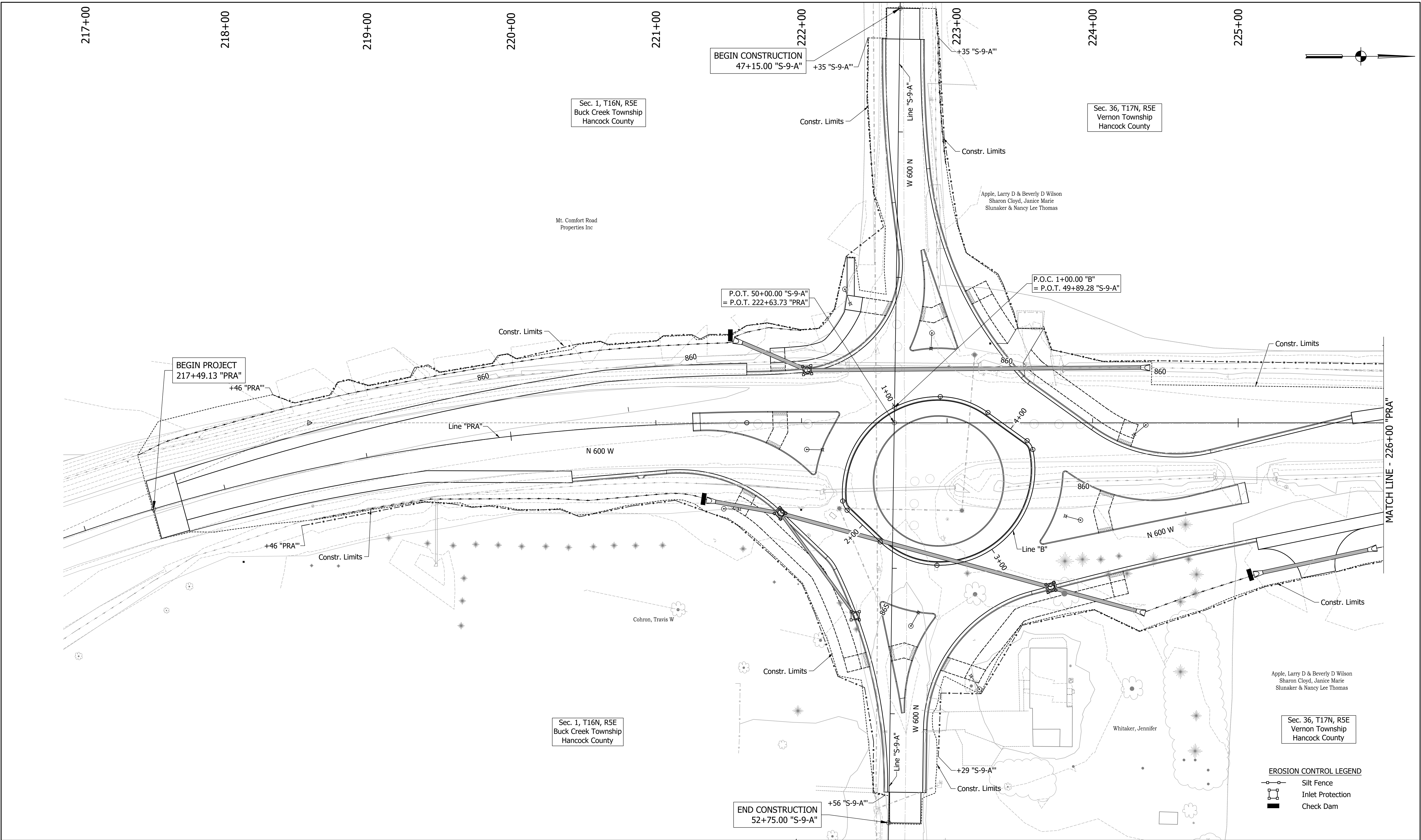


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DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE	
PROFILES AND SPOT ELEVATIONS	

HORIZONTAL SCALE			
1"=30'			
VERTICAL SCALE			
1"=5'			
		SHEETS	
		26	of 37
		PROJECT	
		600 & 600 RAB	

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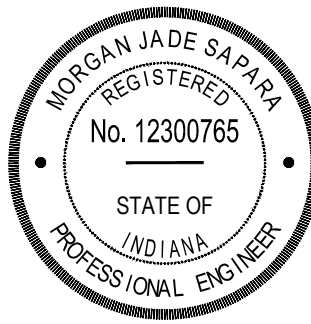


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CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE
EROSION CONTROL

HORIZONTAL SCALE	1"=30'
VERTICAL SCALE	N/A
SHEETS	27 of 37
PROJECT	600 & 600 RAB

DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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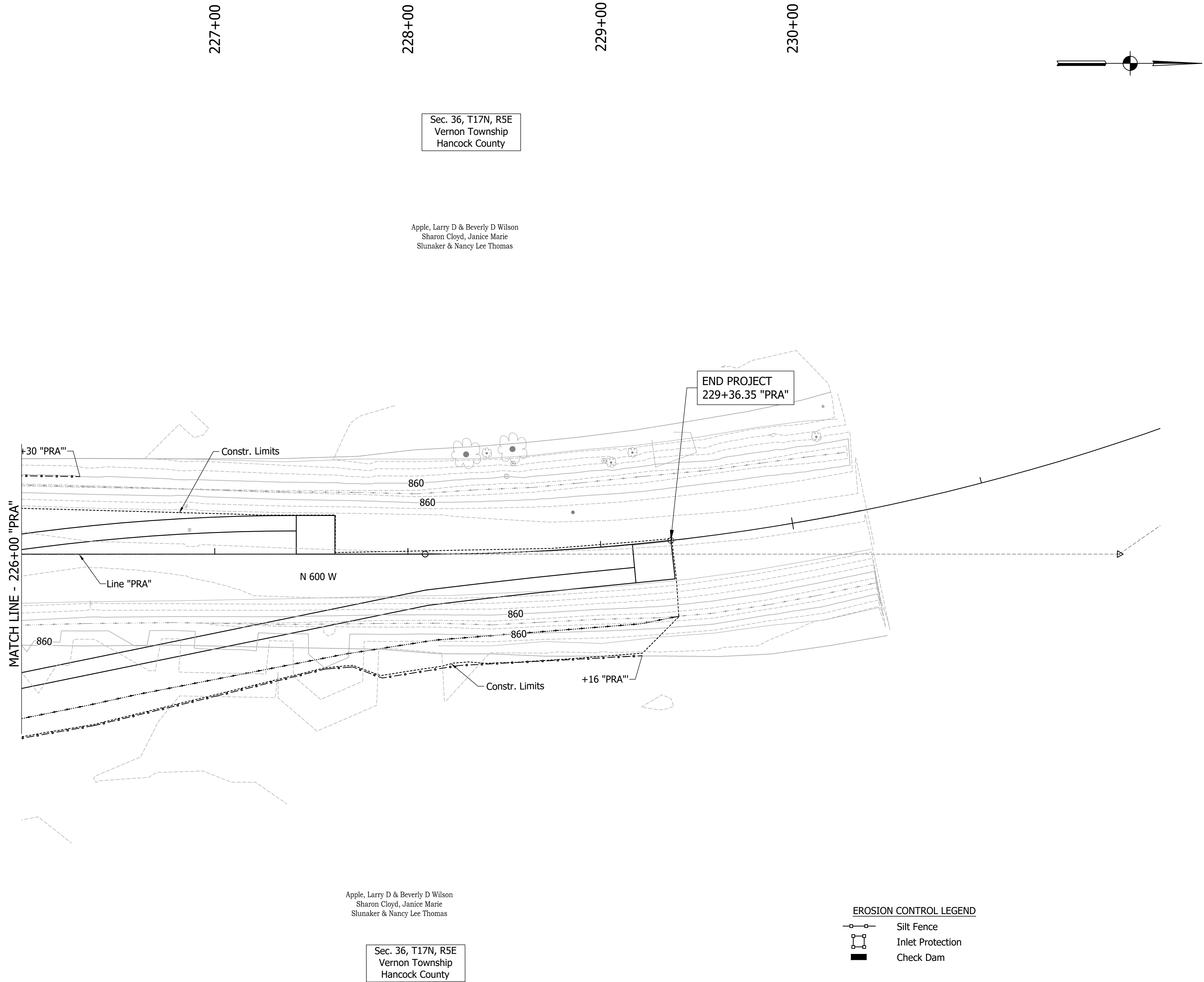
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DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE

EROSION CONTROL

HORIZONTAL SCALE
1"=30'
VERTICAL SCALE
N/A

SHEETS		
28	of	37
PROJECT		
600 & 600 RAB		



Apple, Larry D & Beverly D Wilson
Sharon Cloyd, Janice Marie
Slunaker & Nancy Lee Thomas

Sec. 36, T17N, R5E
Vernon Township
Hancock County

EROSION CONTROL LEGEND

- Silt Fence
- Inlet Protection
- Check Dam

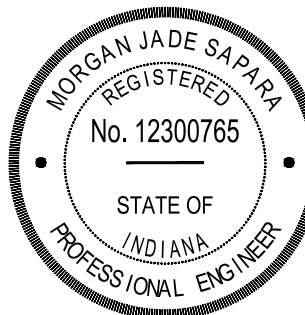
- A1 - PLAN INDEX
Sheet 2.
- A2 - VICINITY MAP
Sheet 1.
- A3 - NARRATIVE DESCRIBING THE NATURE AND PURPOSE OF THE PROJECT
This project involves the construction of a roundabout at the intersection of 600 N and 600 W
- A4 - LATITUDE AND LONGITUDE
Sheet 1.
- A5 - LEGAL DESCRIPTION
Sheet 1.
- A6 - PLAT NO. 1
Sheet 5.
- A7 - 100 YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES
Flood areas are identified in FIRM maps on Sheet 31.
- A8 - ADJACENT LAND USE, INCLUDING UPSTREAM WATERSHED
Land use is residential.
- A9 - DESCRIPTION OF TOTAL MAXIMUM DAILY LOAD (TMDL) REPORT
None.
- A10 - IDENTIFICATION OF ALL RECEIVING WATERS
Road side ditches that ultimately discharge to Stransbury Ditch.
- A11 - DESCRIPTION OF 303(d) LIST
No direct discharge to an impaired waterway on current 303(d) list.
- A12 - SOILS MAP INCLUDING SOIL DESCRIPTIONS AND LIMITATIONS
Soils map can be found on Sheet 30.
- A13 - LOCATION AND NAME OF ALL WETLANDS, LAKES AND WATER COURSES ON AND ADJACENT TO SITE
Unnamed roadside ditches.
- A14 - NOTATION OF ANY STATE OR FEDERAL WATER QUALITY PERMITS
Construction Stormwater General Permit (CSGP)
- A15 - IDENTIFICATION OF EXISTING VEGETATIVE COVER
Trees and grass exist in the area surrounding the project.
- A16 - EXISTING TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO INDICATE DRAINAGE PATTERNS
Existing contours are shown on Sheets 27-28.
- A17 - EXISTING RUN-OFF ENTRANCE AREA
The existing run-off enters the site on the south leg of the intersection. on both the east and west sides of Mount Comfort Rd.
- A18 - EXISTING RUN-OFF DISCHARGE AREA
The existing run-off discharges through a 24" pipe that runs under 600 N on either side of Mount Comfort Rd. then outlets to roadside ditches that ultimately outlet to Stransbury Ditch
- A19 - LOCATIONS, SIZE, AND DIMENSION OF EXISTING STORM WATER SYSTEMS
Existing storm sewer details are identified in the plans.
- A20 - LOCATIONS OF EXISTING PERMANENT RETENTION OR DETENTION FACILITIES
None.
- A21 - POTENTIAL DISCHARGES TO GROUND WATER
None.
- A22 - TOTAL PROJECT AREA
The project area is approximately 3.76 acres.
- A23 - EXPECTED DISTURBED AREA
The expected land disturbance is approximately 3.76 acres.
- A24 - PROPOSED FINAL TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO INDICATE DRAINAGE PATTERNS
Proposed ground surface is shown in the cross sections.
- A25 - LOCATION AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREA
The construction limits (boundary of disturbed area) are shown on the Erosion Control Plan and the Construction Details.
- A26 - LOCATIONS, SIZE, AND DIMENSION OF PROPOSED STORM WATER SYSTEMS
Proposed storm sewer details are identified in the plans.
- A27 - LOCATIONS STORMWATER & NON-STORMWATER DISCHARGE FROM SITE
Discharge will leave the site at the western limits at approximately Sta. 224+33 "A" and the eastern limits at approxitmatly Sta. 224+30 "A"
- A28 - SITE IMPROVEMENTS
All site improvements are detailed in the construction plans.
- A29 - SOIL STOCKPILES, BORROW, AND/OR DISPOSAL AREAS
Locations to be determined by Contractor and approved by the Town of McCordsville.
- A30 - CONSTRUCTION SUPPORT ACTIVITIES
There are no construction support activities anticipated to be associated with this project.
- A31 - IN STREAM ACTIVITIES
None.
- B1 - POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES
There is a potential for pollutants associated with construction machinery including diesel fuel, hydraulic fluid, engine oils and lubricants, antifreeze, and other petroleum products. It is unavoidable for a small amount of these pollutants to contaminate soil in the grading and construction of the side. Sediment pollution from the site disturbing activities shall be remedied by erosion control measures (see following sections).
- B2 - CONSTRUCTION ENTRANCES
Contractor shall utilize construction entrances as needed entrances throughout the jobsite. Reference INDOT Standard Specifications Section 205 and Standard Drawing E 205-TECD-12.
- B3 - TEMPORARY AND PERMANENT SURFACE STABILIZATION
All land disturbing activities are anticipated to be completed by Fall 2024. The land is expected to be covered with temporary measures until all final grades are established. Permanent seeding or sodding will be used on all disturbed earth.
- B4 - SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS
Traversable check dam and inlet protection locations are shown on the plans. Reference INDOT Standard Specifications Section 205 and Standard Drawing E 205-TECD-02 thru E 205-TECD-08.
- B5 - SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS
Silt fence locations are shown on the plans. Reference INDOT Standard Specifications Section 205 and Standard Drawing E 205-TECD-11.
- B6 - RUNOFF CONTROL MEASURES
Runoff control measures are shown on the plans as outlined in B4 and B5 (above).
- B7 - STORM WATER OUTLET PROTECTION MEASURES
Outlet protection measures are shown on the plans.
- B8 - GRADE STABILIZATION STRUCTURES
No slopes are planned to be steeper than 4:1.
- B9 - DEWATERING APPLICATIONS AND MANAGEMENT METHODS
Not applicable.

- B10 - WATERBODY QUALITY MEASURES
Not applicable.
- B11 - MONITORING AND MAINTENANCE GUIDELINES
Monitoring and Maintenance shall be within 24 hours of every ½ " or more rain event.
- B12 - SEQUENCE OF STORM WATER QUALITY MEASURE IMPLICATION
1. Silt fence and construction entrance shall be installed as shown on the plans or as developed by the Contractor's Storm Water Quality Control Plan before any earthwork activities take place.
2. Outlet and inlet protection for storm sewer system shall be installed immediately after installation.
3. Topsoil shall be stripped and stockpiled at an approved location.
4. Temporary Check Dams shall be installed immediately after ditches are graded.
5. All disturbed areas shall be mulched and seeded or sodded immediately after final grade has been established. No un-vegetated areas should be exposed for more than seven days.
6. Erosion control measures shall remain in place until 70% uniform vegetation is established.
- B13 - EROSION AND SEDIMENT CONTROL MEASURES FOR INDIVIDUAL BUILDING LOTS
Not applicable.
- B14 - MATERIAL HANDLING AND SPILL PREVENTION
See the Potential Storm Water Pollutants/Material Handling and Spill Prevention table (right). IDEM Emergency Response - 1-888-233-7745.
- B15 - MATERIAL HANDLING AND STORAGE
See the Potential Storm Water Pollutants/Material Handling and Spill Prevention table (right). IDEM Emergency Response - 1-888-233-7745.
- C1 - PROPOSED POLLUTANTS AND SOURCES ASSOCIATED WITH PROPOSED LAND USE
There is a potential for pollutants from vehicles including fuel, hydraulic fluid, engine oils, lubricants, antifreeze and other petroleum products. There are also the potential hazards of road salt, litter, etc.
- C2 - DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORM WATER QUALITY MEASURES
Riprap and sod will be placed where shown on the plans. Permanent sodding will prevent erosion on mild slopes. Riprap will prevent erosion at the ends of pipes. On all but the north approach, storm water is routed through the storm system and flows into roadside ditches to filter sediments and other pollutants. The proposed storm system on the north approach is designed to match the existing system to mimic existing control measures.
- C3 - LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORM WATER QUALITY MEASURE
Riprap and sodding locations are shown on the plans. Reference typical cross sections, ditch detail sheets, and cross sections for ditch and grading details. Reference INDOT specification sections 616 and 621 for sodding and seeding. All storm sewer locations are shown in the plans.
- C4 - SEQUENCE DESCRIBING STORM WATER QUALITY MEASURES IMPLEMENTATION
Refer to section B12 of these details. Permanent seeding and sodding will be placed when proposed grades are met and there is no other significant construction in the immediate area. Riprap will be placed when outlet pipes are placed.
- C5 - DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST-CONSTRUCTION STORM WATER QUALITY MEASURES
Ditches shall be kept free of litter and other debris. Grass shall be mowed regularly and inspected for dead spots, excessive erosion, etc. These areas shall be repaired immediately.
- C6 - PARTY RESPONSIBLE FOR STORMWATER POLLUTION PREVENTION POST-CONSTRUCTION
The Town of McCordsville shall be responsible for long-term maintenance of stormwater pollution prevention measures.

Notes:

- Storm Water Pollution Prevention (SWPP) checklist corresponds to the IDEM, Division of Soil Conservation Construction/Stormwater Pollution Prevention Plan Development Guidance used in the CGSP permitting process.
- The contractor shall use the SWPP checklist as a guide in preparing the SWPP plan required for CGSP procedures.
- A site specific SWPPP is to be submitted by the Contractor to Town of Bargersville prior to earth moving if any adjustments to the plan herein are requested.
- The location of staging area and concrete washout area are to be submitted by the contractor.
- Contractor is to maintain clean roadways of all tracked construction materials and sediment throughout the day and at the end of each work day.

SWPP CONTROL MEASURES											
LOCATION	LT/RT	TEMPORARY SILT FENCE LFT	TEMPORARY CHECK DAM, TRAVERSABLE LFT	TEMPORARY INLET PROTECTION EA	TEMPORARY SEED LBS	TEMPORARY MULCH TON*	TEMPORARY GEOTEXTILE SYS*	TEMPORARY FERTILIZER TON	SEDIMENT, REMOVE, CYS	NO. 2 STONE TON	MOB. & DEMOB. FOR SURFACE STABILIZATION TON
CONSTRUCTION ENTRANCE							270.0			200.0	
DISTURBED AREA					536.0	9.0		1.0			
Proposed Inlets				4					6.0		
Northeast Quadrant		645	8				16.0		1.0		
Southwest Quadrant		603	8				16.0		1.0		
Northwest Quadrant		495									
Southeast Quadrant		537	8				16.0		1.0		
TOTAL		2280	24	4	536.0	9.0	318.0	1.0	9.0	200.0	3.0
NOTE 1: FERTILIZER APPLIED AT RATE OF 400 LBS PER ACRE BASED ON AREA 2 TIMES AREA OF PERMANENT SEED											
NOTE 2: TEMPORARY MULCH PLACED AT A RATE OF 2.5 T/AC BASED ON AREA 2 TIMES AREA OF PERMANENT SEED											
NOTE 3: TEMPORARY SEED PLACED AT A RATE OF 150 LB/AC BASED ON AREA 2 TIMES AREA OF PERMANENT SEED											



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TOWN OF MCCORDSVILLE

HORIZONTAL SCALE
N/A
VERTICAL SCALE
N/A

STORM WATER POLLUTION PREVENTION
CONSTRUCTION PLAN
ELEMENTS AND GENERAL NOTES

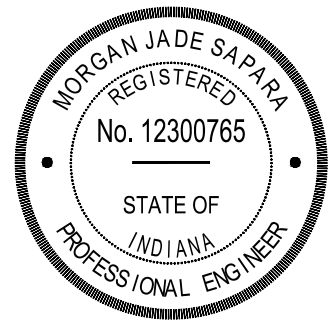
SHEETS		
29	of	37
PROJECT		
600 & 600 RAB		

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Map Unit Legend

Map Unit Symbol	Map Unit Name
Br	Brookston silty clay loam, 0 to 2 percent slopes
CrA	Crosby silt loam, New Castle Till Plain, 0 to 2 percent slopes
MmB2	Miami silt loam, 2 to 6 percent slopes, eroded
Mr	Milford silty clay loam



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TOWN OF MCCORDSVILLE
STORM WATER POLLUTION PREVENTION CONSTRUCTION PLAN SOIL MAP

HORIZONTAL SCALE	1" = 200'
VERTICAL SCALE	N/A
SHEETS	30 of 37
PROJECT	600 & 600 RAB

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NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0106E

FIRM
FLOOD INSURANCE RATE MAP
HANCOCK COUNTY,
INDIANA
AND INCORPORATED AREAS

PANEL 106 OF 259
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)


CONTAINS:
COMMUNITY
HANCOCK COUNTY

NUMBER
180419

PANEL
0106

SUFFIX
E


Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
18059C0106E
MAP REVISED
MARCH 17, 2014

Federal Emergency Management Agency

LEGEND



SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A

No Base Flood Elevations determined.

ZONE AE

Base Flood Elevations determined.

ZONE AH

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR

Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99


Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V

Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

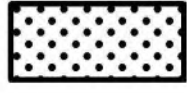
ZONE VE

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



FLOODWAY AREAS IN ZONE AE

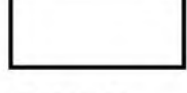
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



OTHER FLOOD AREAS

ZONE X

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.



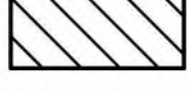
OTHER AREAS

ZONE X

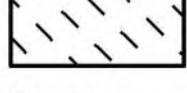
Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D

Areas in which flood hazards are undetermined, but possible.




COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS




OTHERWISE PROTECTED AREAS (OPAs)


CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.




1% Annual Chance Floodplain Boundary



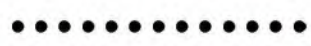
0.2% Annual Chance Floodplain Boundary




Floodway boundary



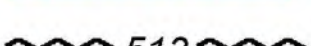
Zone D boundary



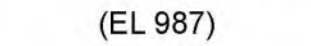
CBRS and OPA boundary



Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.




Base Flood Elevation line and value; elevation in feet*




Base Flood Elevation value where uniform within zone; elevation in feet*

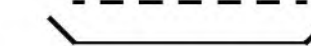
*Referenced to the North American Vertical Datum of 1988



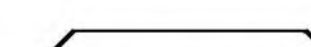
Cross section line



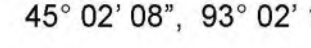
Transect line



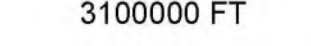
Culvert



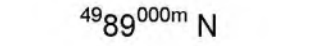
Bridge




Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere



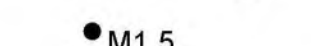
5000-foot ticks: Alabama State Plane East Zone (FIPS Zone 0101), Transverse Mercator projection



1000-meter Universal Transverse Mercator grid values, zone 16



Bench mark (see explanation in Notes to Users section of this FIRM panel)



River Mile

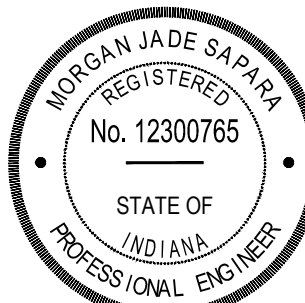
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TOWN OF MCCORDSVILLE
STORM WATER POLLUTION PREVENTION CONSTRUCTION PLAN FLOOD MAPS

HORIZONTAL SCALE 1" = 400'	
VERTICAL SCALE N/A	
SHEETS 31 of 37	
PROJECT 600 & 600 RAB	

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FILENAME : UNDERDRAIN.dwg
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UNDERDRAIN TABLE																														
UNDERDRAIN PIPE											OUTLET PIPE								REMARKS											
UNDERDRAIN PIPE LIMITS	Type 4 Pipe		GEOTEXTILE FOR UNDERDRAIN, TYPE 1A	AGGREGATE FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADE	FLOW LINE ELEVATION @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED (Y/N)	CONNECT UNDERDRAIN PIPE TO STRUC. NO. ____	STRUCTURE INVERT ELEVATION	45 DEG ELBOWS REQUIRED (1 OR 2)	6" OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	OUTLET AT OUTLET PROTECTOR NO. ____	DITCH FLOW LINE ELEVATION AT OUTLET PROTECTOR	CONNECT OUTLET PIPE TO STRUC. NO. ____	STRUCTURE INVERT ELEVATION		STRUCTURE BACKFILL, TYPE 1										
	LFT	LFT																			CYS									
	2+12 LT. "B"	1+20 LT. "B"										60								6	0.59%	861.9	Y	2	57	222+04 LT "PRA"	860.79	11	859.72	5.2
	1+28 LT. "B"	1+20 LT. "B"										213								139	14	0.50%	862.43	Y	2	57	222+04 LT "PRA"	860.79	11	859.72
TOTALS	305	199	20							4	114							11.5												



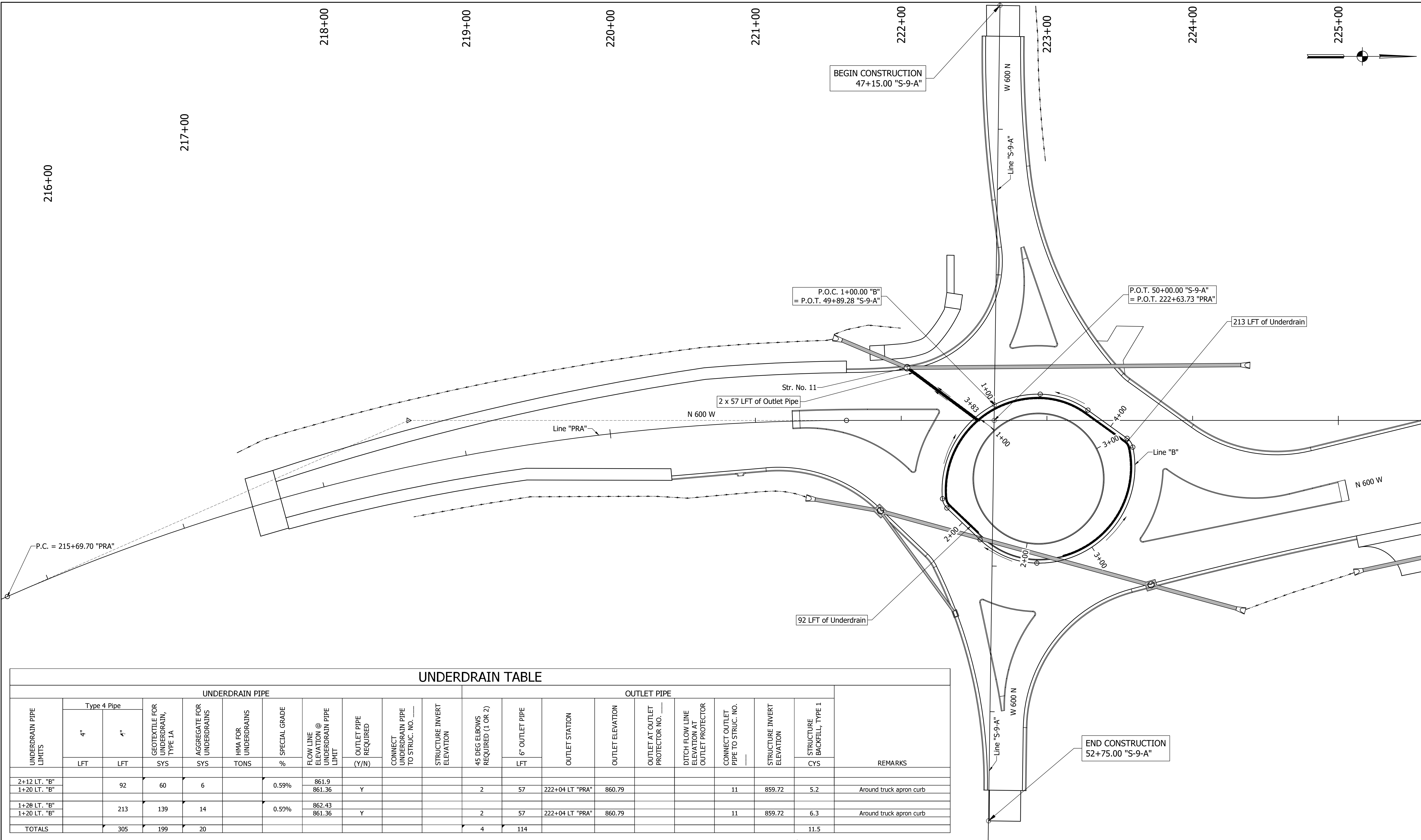
RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i> DESIGN ENGINEER		8/21/24 DATE
DESIGNED:	MJS	DRAWN:	TB
CHECKED:	MAM	CHECKED:	MJS

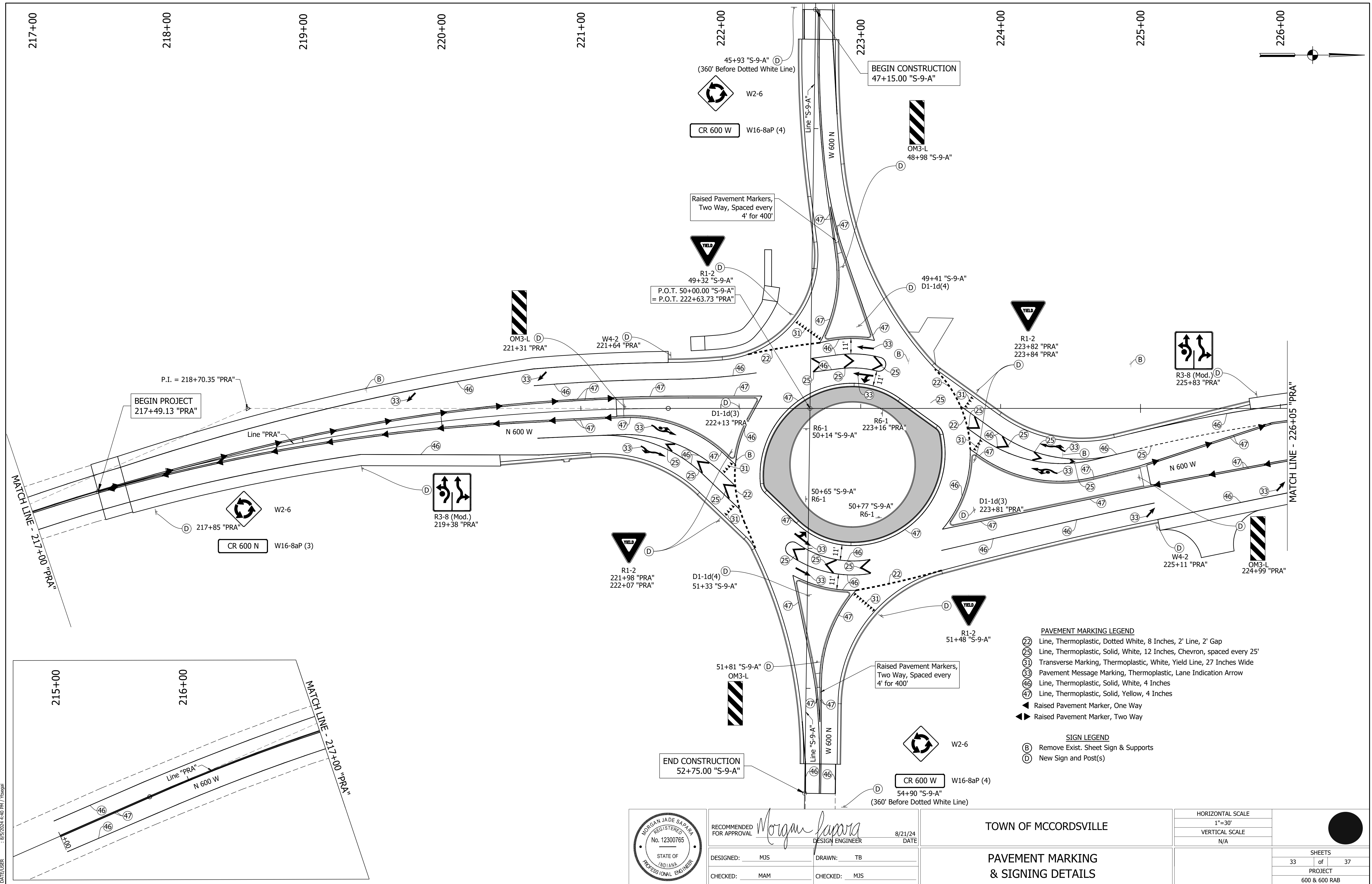
TOWN OF MCCORDSVILLE

UNDERDRAIN DETAILS

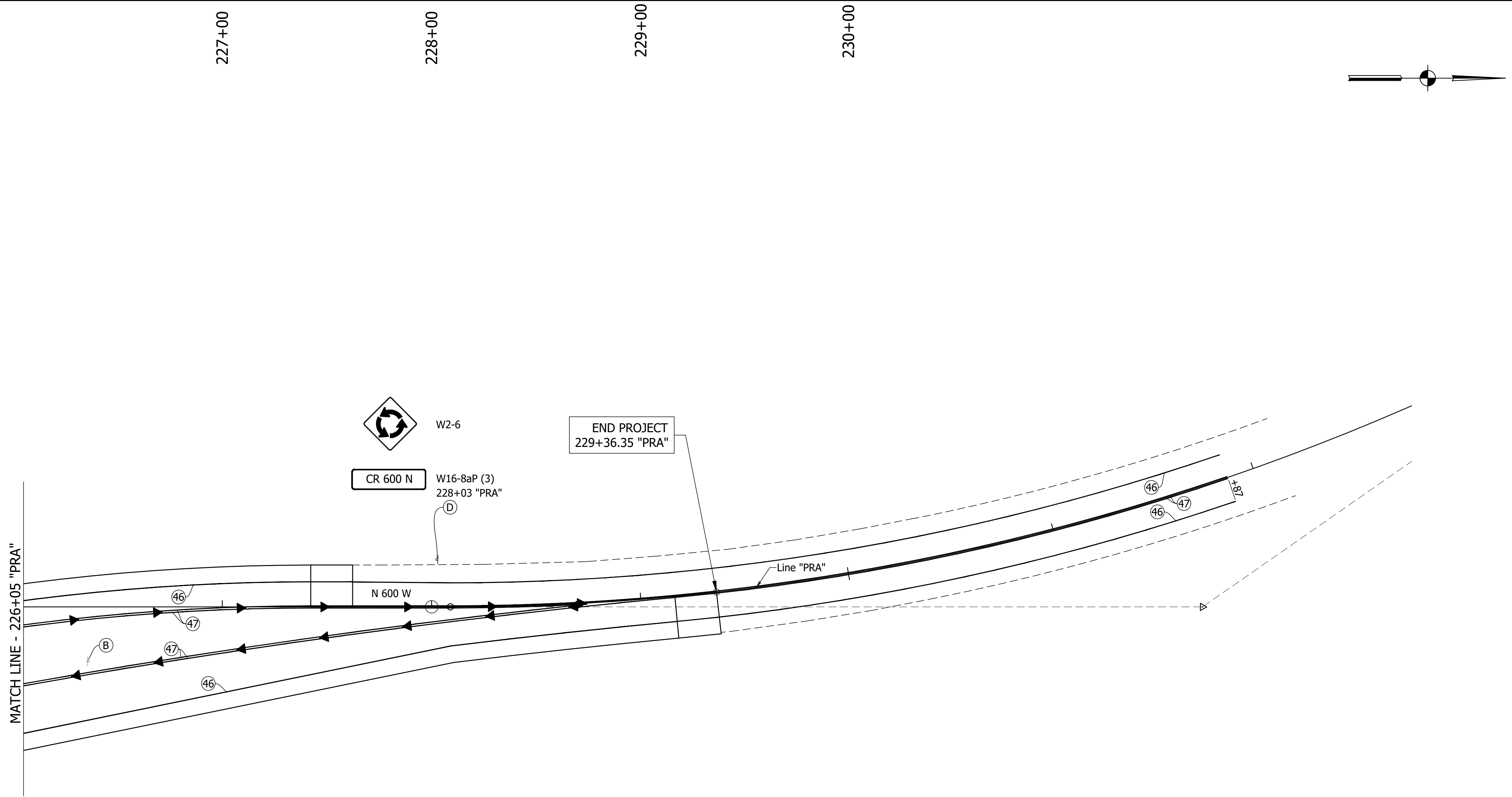
HORIZONTAL SCALE
1"=30'
VERTICAL SCALE
N/A

SHEETS		
32	of	37
PROJECT		
600 & 600 RAB		

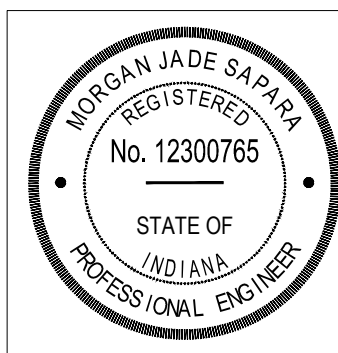




DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : PMT-MKNS.dwg
DATEUSER : 8/21/24 4:40 PM / / nsgai



- PAVEMENT MARKING LEGEND**
- 22 Line, Thermoplastic, Dotted White, 8 Inches, 2' Line, 2' Gap
 - 25 Line, Thermoplastic, Solid, White, 12 Inches, Chevron, spaced every 25'
 - 31 Transverse Marking, Thermoplastic, White, Yield Line, 27 Inches Wide
 - 33 Pavement Message Marking, Thermoplastic, Lane Indication Arrow
 - 46 Line, Thermoplastic, Solid, White, 4 Inches
 - 47 Line, Thermoplastic, Solid, Yellow, 4 Inches
 - ▲ Raised Pavement Marker, One Way
 - ◀▶ Raised Pavement Marker, Two Way
- SIGN LEGEND**
- B Remove Exist. Sheet Sign & Supports
 - D New Sign and Post(s)

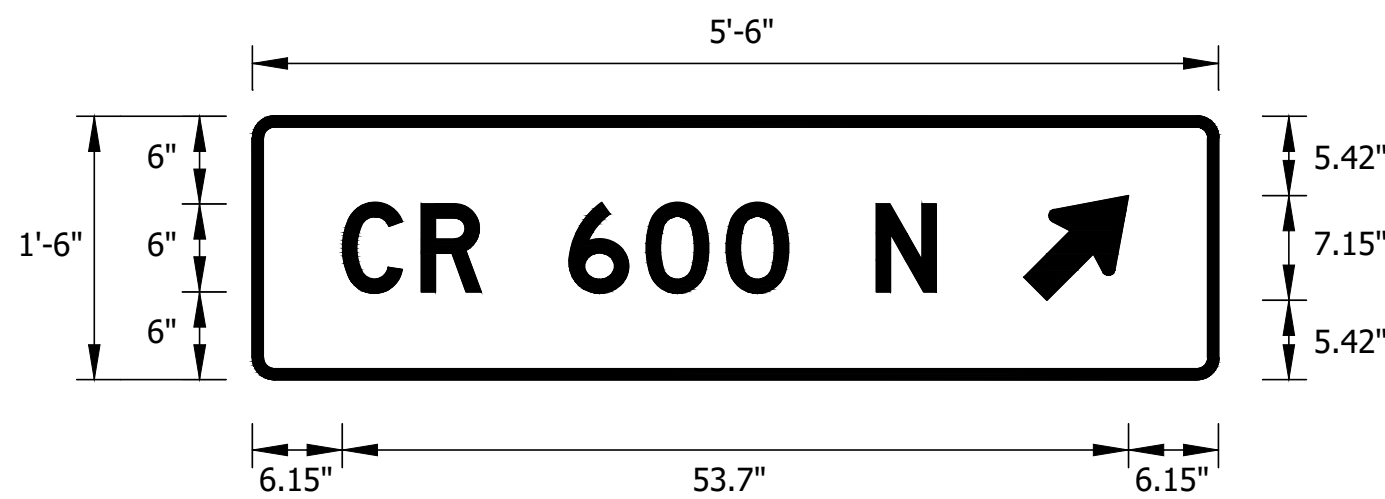


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	8/21/24
DESIGNED:	MJS	DRAWN: TB
CHECKED:	MAM	CHECKED: MJS

TOWN OF MCCORDSVILLE
PAVEMENT MARKING & SIGNING DETAILS

HORIZONTAL SCALE	1"=30'
VERTICAL SCALE	N/A
SHEETS	34 of 37
PROJECT	600 & 600 RAB

DIRECTORY PATH : R:\ActiveChyscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : SIGN DETAILS.dwg
DATE/USER : 8/17/2024 11:35 AM / cbennett

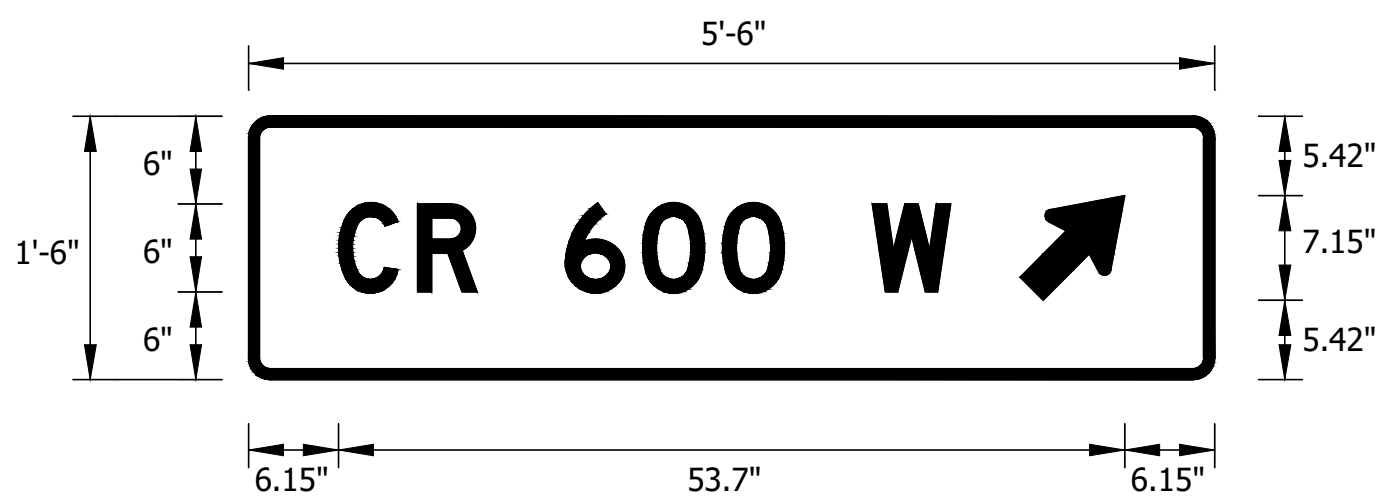


SIGN NUMBER	D1-1d(3)
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: High Intensity COLOR: Green
LEGEND/BORDER	TYPE: High Intensity COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	315	52.7	5.4	6	9

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIES/SIZE
C	R		6	0	0		N											D 2000
6.1	11.5	15.6	21.6	26.9	32.4	36.6	42.6										40.6	6

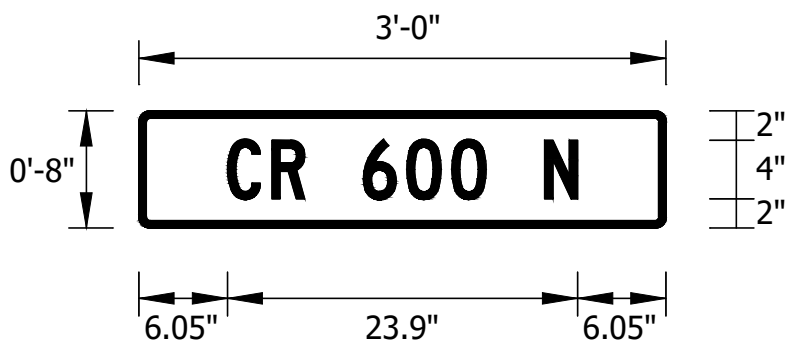


SIGN NUMBER	D1-1d(4)
WIDTH x HGHT.	5'-6" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: High Intensity COLOR: Green
LEGEND/BORDER	TYPE: High Intensity COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	315	52.7	5.4	6	9

Letter locations are panel edge to lower left corner

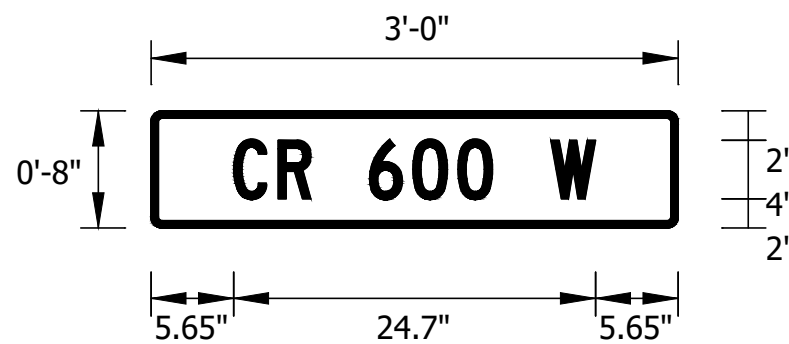
LETTER POSITIONS (X)																	LENGTH	SERIES/SIZE
C	R		6	0	0		W											D 2000
6.1	11.5	15.6	21.6	26.9	32.4	36.6	42.6										41.8	6



SIGN NUMBER	W16-8aP(3)
WIDTH x HGHT.	3'-0" x 0'-8"
BORDER WIDTH	0.5"
CORNER RADIUS	0.75"
MOUNTING	Ground
BACKGROUND	TYPE: High Intensity COLOR: Yellow
LEGEND/BORDER	TYPE: High Intensity COLOR: Black/Black

Letter locations are panel edge to lower left corner

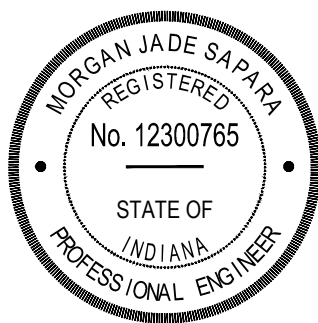
LETTER POSITIONS (X)																	LENGTH	SERIES/SIZE
C	R		6	0	0		N											C 2000
6	9.1	11.3	15.3	18.3	21.4	23.7	27.7										23.9	4



SIGN NUMBER	W16-8aP(4)
WIDTH x HGHT.	3'-0" x 0'-8"
BORDER WIDTH	0.75"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: High Intensity COLOR: Yellow
LEGEND/BORDER	TYPE: High Intensity COLOR: Black/Black

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																	LENGTH	SERIES/SIZE
C	R		2	0	0		N											C 2000
6.1	9.1	11.4	15.4	18.2	21.3	23.7	27.7										23.8	4

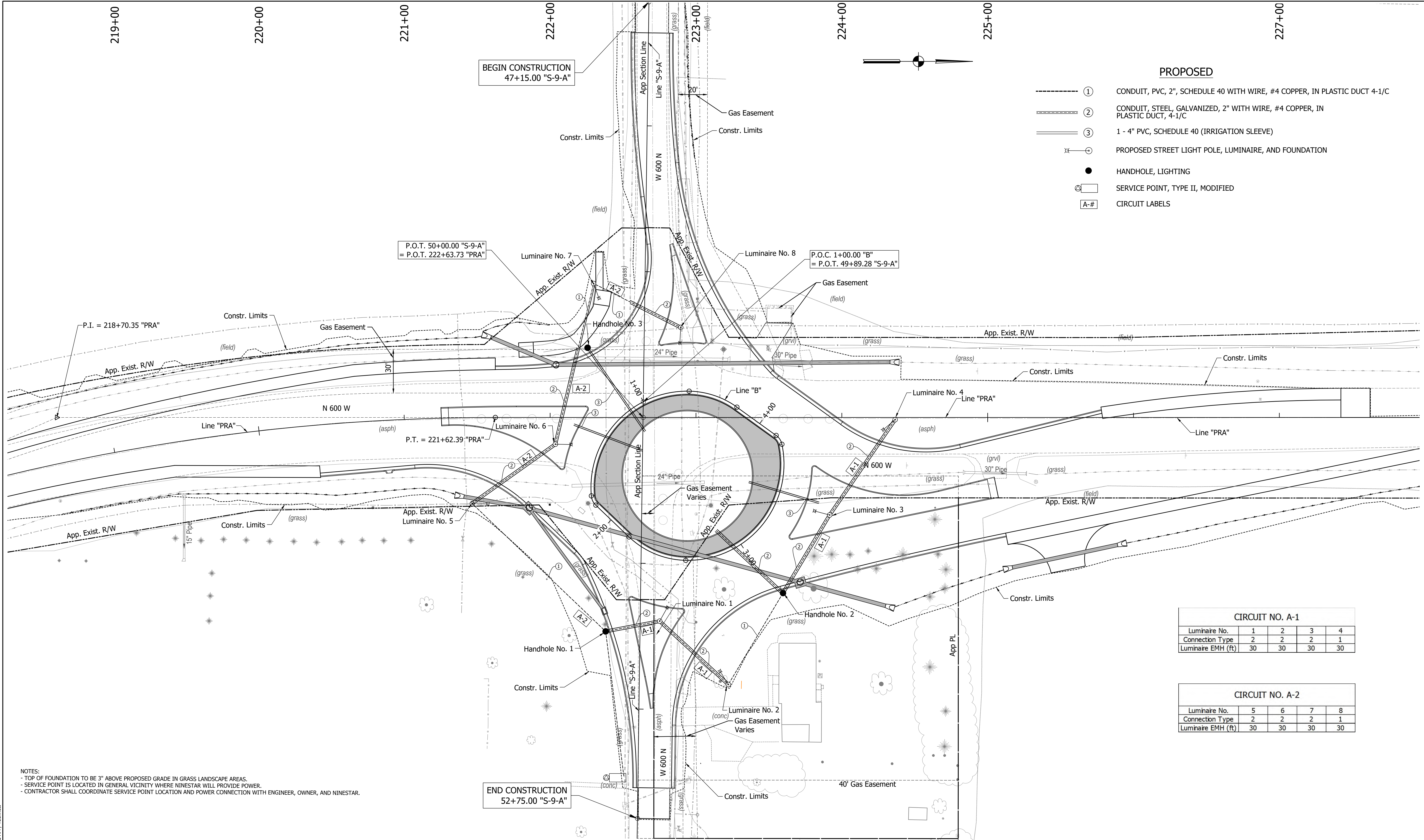


RECOMMENDED FOR APPROVAL	<i>Morgan Jade Sapara</i>	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

TOWN OF MCCORDSVILLE

SIGN DETAILS

HORIZONTAL SCALE	NTS
VERTICAL SCALE	N/A
SHEETS	
35	of 37
PROJECT	
600 & 600 RAB	



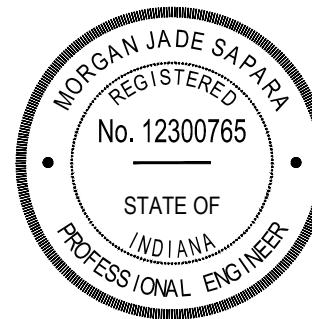
NOTES:
- TOP OF FOUNDATION TO BE 3" ABOVE PROPOSED GRADE IN GRASS LANDSCAPE AREAS.
- SERVICE POINT IS LOCATED IN GENERAL VICINITY WHERE NINESTAR WILL PROVIDE POWER.
- CONTRACTOR SHALL COORDINATE SERVICE POINT LOCATION AND POWER CONNECTION WITH ENGINEER, OWNER, AND NINESTAR.

PROPOSED

- ① CONDUIT, PVC, 2", SCHEDULE 40 WITH WIRE, #4 COPPER, IN PLASTIC DUCT 4-1/C
- ② CONDUIT, STEEL, GALVANIZED, 2" WITH WIRE, #4 COPPER, IN PLASTIC DUCT, 4-1/C
- ③ 1 - 4" PVC, SCHEDULE 40 (IRRIGATION SLEEVE)
- ⊕ PROPOSED STREET LIGHT POLE, LUMINAIRE, AND FOUNDATION
- HANDHOLE, LIGHTING
- ⊗ SERVICE POINT, TYPE II, MODIFIED
- A-# CIRCUIT LABELS

CIRCUIT NO. A-1				
Luminaire No.	1	2	3	4
Connection Type	2	2	2	1
Luminaire EMH (ft)	30	30	30	30

CIRCUIT NO. A-2				
Luminaire No.	5	6	7	8
Connection Type	2	2	2	1
Luminaire EMH (ft)	30	30	30	30



RECOMMENDED FOR APPROVAL *Morgan Jade Sapara* DESIGN ENGINEER 8/21/24 DATE

DESIGNED: MJS DRAWN: TB

CHECKED: MAM CHECKED: MJS

TOWN OF MCCORDSVILLE

LIGHTING DETAILS

HORIZONTAL SCALE
1"=30'
VERTICAL SCALE
N/A

SHEETS
36 of 37
PROJECT
600 & 600 RAB

DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : MISC TABLE.dwg
DATE/DRAWN : 8/20/2024 10:03 AM / Morgan

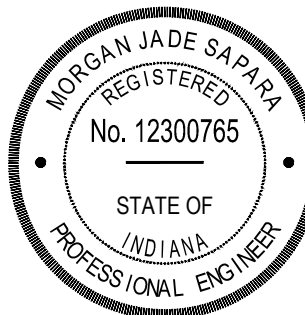
PAVEMENT QUANTITIES AND APPROACH TABLE																												
LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	GRADE			EXCAVATION		HMA FOR ROADS				ASPHALT MATERIAL FOR		COMPACTED AGGREGATE FOR BASE NO. 53			SUBGRADE TREATMENT, TYPE II	SUBGRADE TREATMENT, TYPE IC	PCCP, 9"	SIDEWALK, CONCRETE	GEOGRID, TYPE IB	DENSE GRADED SUBBASE	MILLING, 2"	REMARKS			
									QC/QA HMA 4, 7/6, Inter. 12.5mm	QC/QA HMA 4, 7/6, Inter. 19.0mm	QC/QA HMA 4, 64, Base 25.0mm	QC/QA HMA 4, 64, Base 25.0mm	PRIME COAT	TACK COAT												DEPTH		
									220 TONS	275 TONS	385 TONS	330 TONS														4" CYS	6" CYS	9" CYS
		1 %	2 %	3 %	CUT CYS	FILL CYS	220 TONS	275 TONS	385 TONS	330 TONS	TON	TON	4" CYS	6" CYS	9" CYS	SYS	SYS						SYS	SYS		SYS	6" CYS	SYS
FULL DEPTH PAVEMENT							3385	1049	1009	1267	1779	1634		10	1129				10663									
Southwest Quadrant																		105										
223+57 "A" Lt	Mod. Class III Drive	15	33	-18.3	-2.8	-4.7										8		50				50	9					
225+55 "A" Rt	Mod. Class V Drive	24		-3.6												16												
LINE "PRA"																												
217+49.13 to 217+69.13	MILL/OVERLAY								10.0															91				
227+42.22 to 227+62.22	MILL/OVERLAY								4.9															44.7				
229+16.35 to 229+36.35	MILL/OVERLAY								4.9															44.6				
LINE "S-9-A"																												
47+15.00 to 47+36.19	MILL/OVERLAY								5.50															50.2				
52+53.90 to 52+75.00	MILL/OVERLAY								5.90															53.5				
LINE "B"																												
1+00 to 4+86.90	APRON																120		478	478								
	TOTALS						3385	1049	1040	1267	1779	1634		10	1129	24	120	50	11141	478	105	50	9	284				

SHEET SIGN & POST SUMMARY														
SIGN														Remarks
PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN X IN)	GROUND - MOUNTED SIGN AREA (ft²)			MOUNTED ON OVERHEAD STRUCTURE,	SQUARE						
				0.080"	0.100"	0.125"	0.080"	2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)			
								REINFORCED ANCHOR			REINFORCED ANCHOR			
								POST LENGTH (FT.)			POST LENGTH (FT.)			
								1	2	TOTAL	1	TOTAL		
LINE "PRA"														
	217+85	W2-6	30 X 30	6.25								12.5	12.5	CR 600 N
		W16-8aP(3)	36 X 8		2.00									
	219+38	R3-8	30 X 30	6.25								11.5	11.5	
	221+31	OM3-L	12 x 36	3.00								11.0	11.0	
	221+64	W4-2	36 X 36		9.00							11.0	11.0	
	221+98	R1-2	36 X 36 X 36		3.90							11.0	11.0	
	222+07	R1-2	36 X 36 X 36		3.90							11.0	11.0	
	222+13	D1-1d(3)	66 X 18			8.25		7.0	7.0	14.0				CR 600 N
	223+16	R6-1	36 X 12		3.00			5.0	5.0	10.0				
	223+81	D1-1d(3)	66 X 18			8.25		7.0	7.0	14.0				CR 600 N
	223+82	R1-2	36 X 36 X 36		3.90							11.0	11.0	
	223+84	R1-2	36 X 36 X 36		3.90							11.0	11.0	
	224+99	OM3-L	12 x 36	3.00								11.0	11.0	
	225+11	W4-2	36 X 36		9.00							11.0	11.0	
	225+83	R3-8	30 X 30	6.25								11.0	11.0	
	228+03	W2-6	30 X 30	6.25								12.5	12.5	CR 600 N
		W16-8aP(3)	36 X 8		2.00									
LINE "S-9-A"														
	54+90	W2-6	30 X 30	6.25								12.5	12.5	CR 600 W
		W16-8aP(4)	36 X 8		2.00									
	51+81	OM3-L	12 x 36	3.00								11.0	11.0	
	51+48	R1-2	36 X 36 X 36		3.90							11.0	11.0	
	51+33	D1-1d(4)	66 X 18			8.25		7.0	7.0	14.0				CR 600 W
	50+77	R6-1	36 X 12		3.00			5.0	5.0	10.0				
	50+65	R6-1	36 X 12		3.00			5.0	5.0	10.0				
	50+14	R6-1	36 X 12		3.00			5.0	5.0	10.0				
	49+41	D1-1d(4)	66 X 18			8.25		7.0	7.0	14.0				CR 600 W
	49+32	R1-2	36 X 36 X 36		3.90							11.0	11.0	
	48+98	OM3-L	12 x 36	3.00								11.0	11.0	
	45+93	W2-6	30 X 30	6.25								12.5	12.5	CR 600 W
		W16-8aP(4)	36 X 8		2.00									
				49.50	61.40	33.00				96.0		204.5		

LOCATION					RIPRAP DITCH				SODDING			
FROM STATION	TO STATION	LEFT	CROSS	RIGHT	RIPRAP, REVETMENT	RIPRAP, UNIFORM	RIPRAP, CLASS 2	GEOTEXTILES	FOR SPLITTER ISLANDS	FOR CENTER ISLAND	SODDING AT BRIDGE CONE	TOTAL SODDING
					TONS	TONS	TONS	SYS	SYS	SYS	SYS	SYS
48+89 "S-9-A"	49+48 "S-9-A"	X							98			98
221+30 "PRA"	222+25 "PRA"			X					221			221
51+24 "S-9-A"	51+89 "S-9-A"	X							119			119
223+59 "PRA"	224+97 "PRA"			X					297			297
222+50 "PRA"	223+38 "PRA"		X							689		689
TOTALS												1424

STATION		Monument
215+70 "PRA"		1
53+95 "S-9-A"		1
46+00 "S-9-A"		1
228+09 "PRA"		1
TOTAL		4

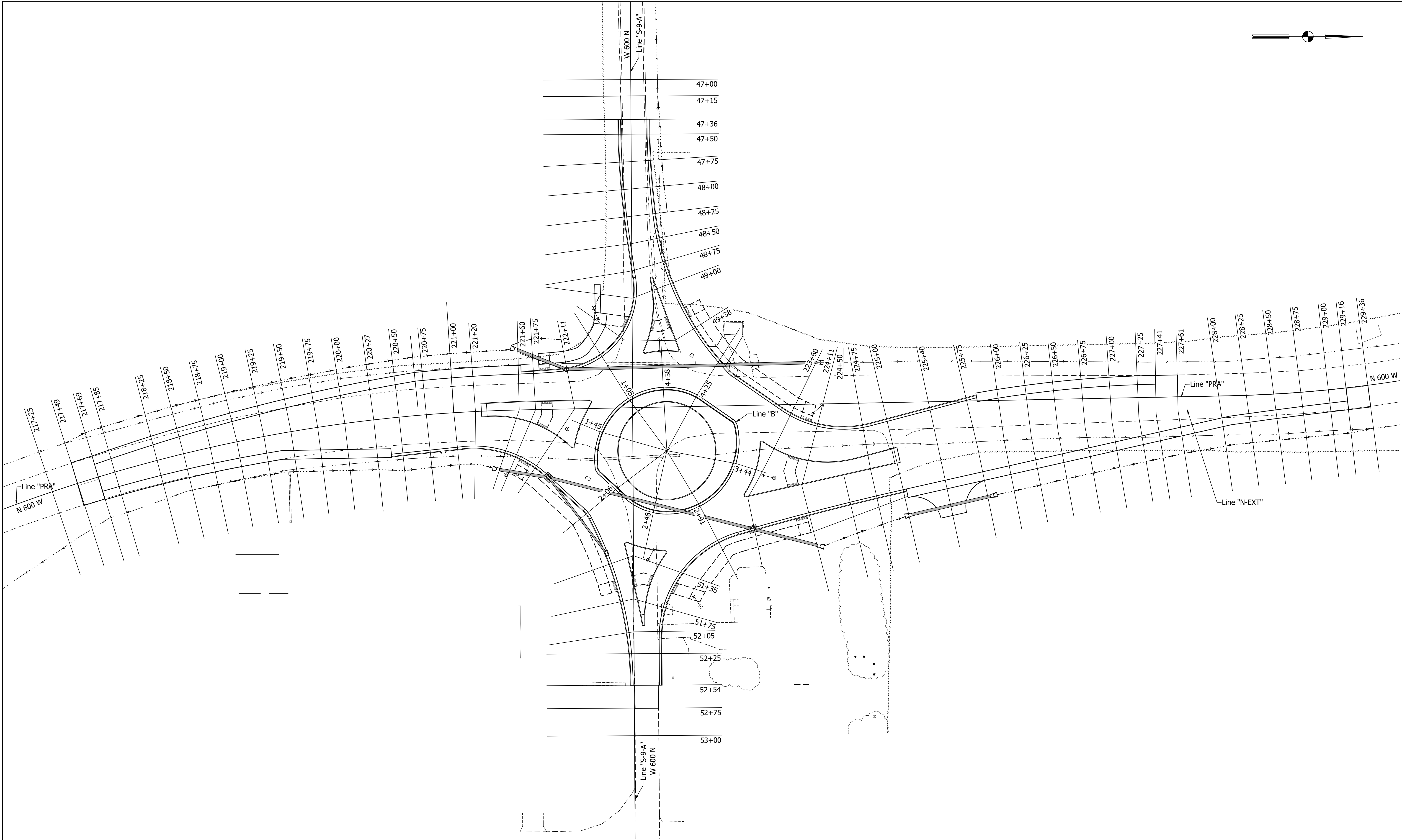
STRUCTURE DATA																														
STRUCTURE NUMBER	LOCATION				SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	CONCRETE, CLASS A, FOR STR	VIDEO INSPECTION	PIPE END SECTION	SAFETY METAL END SECTION		REMARKS							
	STATION	LEFT	CROSS	RIGHT						FT	ELEV.	ELEV.									YR	TYP		CYLS	CYS	LFT	EA.	TYP	SLOPE	EA.
10	221+60 "PRA"	X			24	2	RCP	49		1	859.82	859.72	75	NA	7	1	1	18.5												
11	222+04 "PRA"	X			24	2	MANHOLE C-15	229		1	859.72	859.26	75	NA	7	1	1	86.3												
12	221+40 "PRA"		X		24	2	RCP	46		1	860.51	860.40	75	NA	7	1	1	17.3		1										
13	221+86 "PRA"		X		24	2	MANHOLE D-15	193		1	860.40	859.92	75	NA	7	1	1	72.7				C900 or Approved Equal								
14	223+72 "PRA"		X		24	2	INLET C-15	61		1	859.92	859.76	75	NA	7	1	1	23.0		1										
15	51+33 "S-9-A"	X			15	2	INLET B-15	87		1	860.84	860.40	75	NA	7	1	1	21.7												
16	225+56 "PRA"		X		24	3	RCP	74		1	859.47	859.25	75	NA	7	1	1	27.9		2										

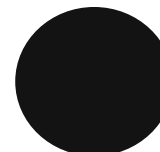


RECOMMENDED FOR APPROVAL	Morgan Jade Saparam	DESIGN ENGINEER	8/21/24	DATE
DESIGNED:	MJS	DRAWN:	TB	
CHECKED:	MAM	CHECKED:	MJS	

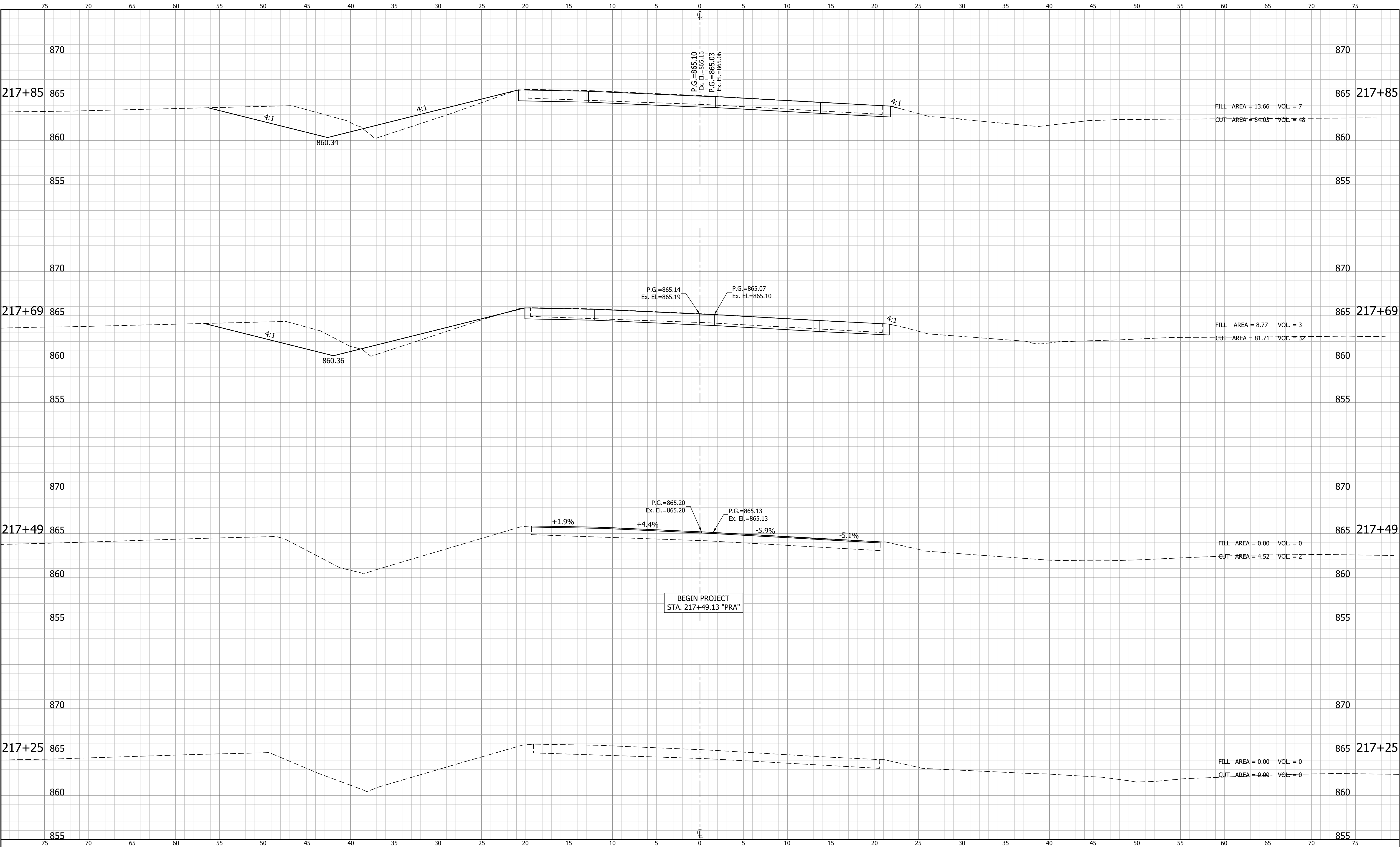
TOWN OF MCCORDSVILLE		HORIZONTAL SCALE	N/A
		VERTICAL SCALE	N/A
MISCELLANEOUS TABLES		SHEETS	
		37	of 37
		PROJECT	
		600 & 600 RAB	

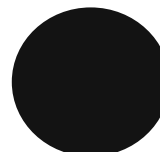
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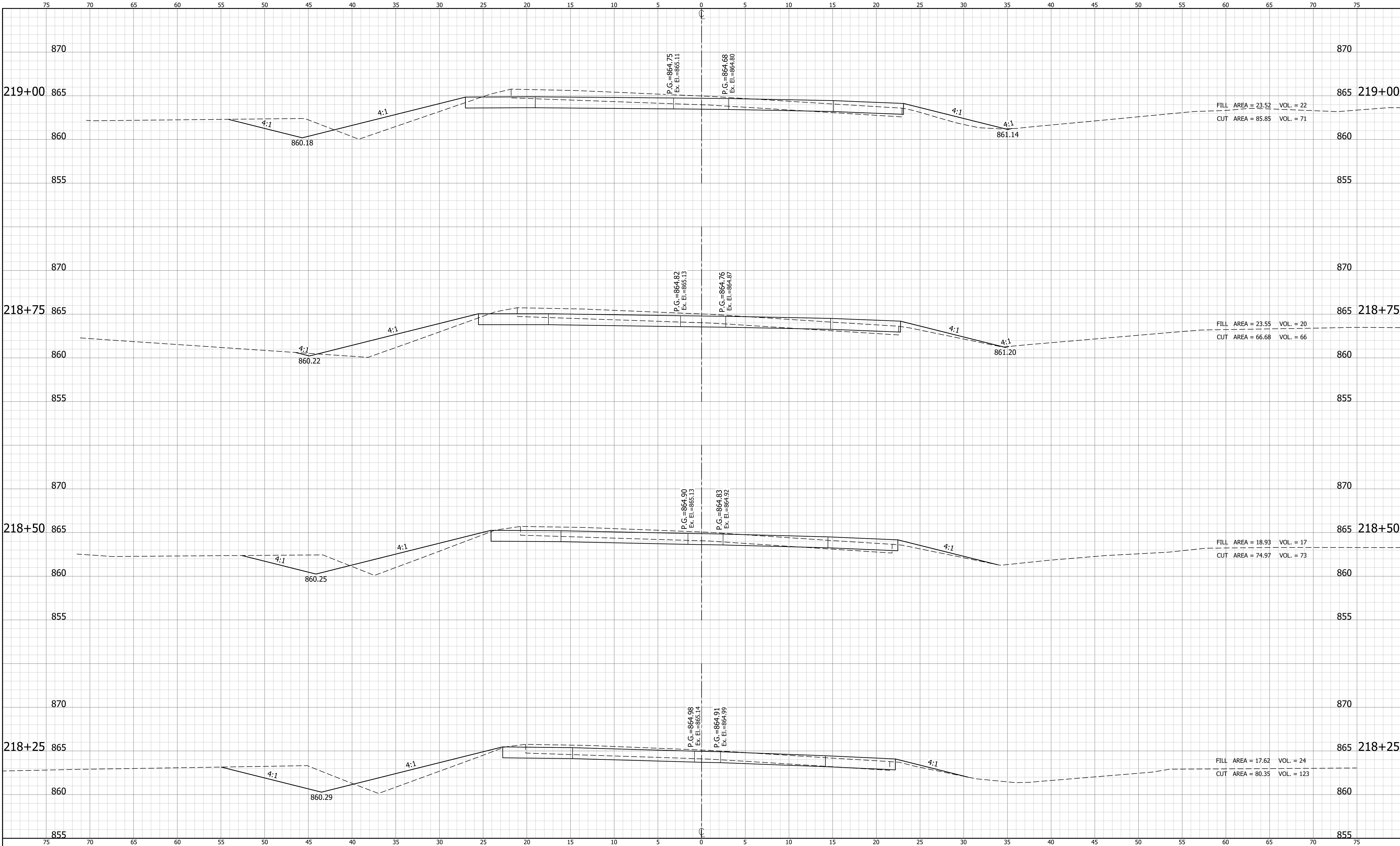
RECOMMENDED FOR APPROVAL _____ <div>DESIGN ENGINEER</div> <div>8/21/24 DATE</div>		TOWN OF MCCORDSVILLE		HORIZONTAL SCALE		
				1"=40'		
				VERTICAL SCALE		
		N/A				
DESIGNED: _____ MJS	DRAWN: _____ TB	SAMPLE LINE KEY MAP		SHEETS		
				XS1	of	XS19
				PROJECT		
				600 & 600 RAB		
CHECKED: _____ MAM	CHECKED: _____ MJS					

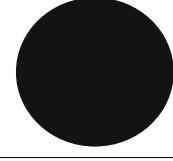
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FILENAME : XS2.dwg
DATE/USER : 8/21/2024 4:37 PM / msegal



RECOMMENDED FOR APPROVAL			TOWN OF MCCORDSVILLE	HORIZONTAL SCALE		
				1"=5'		
				VERTICAL SCALE		
				1"=5'		
DESIGN ENGINEER		DATE				
DESIGNED: MJS	DRAWN: TB		CROSS SECTIONS LINE "PRA"			
CHECKED: MAM		CHECKED: MJS		SHEETS		
				XS2	of	XS19
				PROJECT		
				600 & 600 RAB		

DIRECTORY PATH : R:\Active\Chryssape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : XSSEC.dwg
DATE/USER : 8/21/2024 4:37 PM / jhsagat

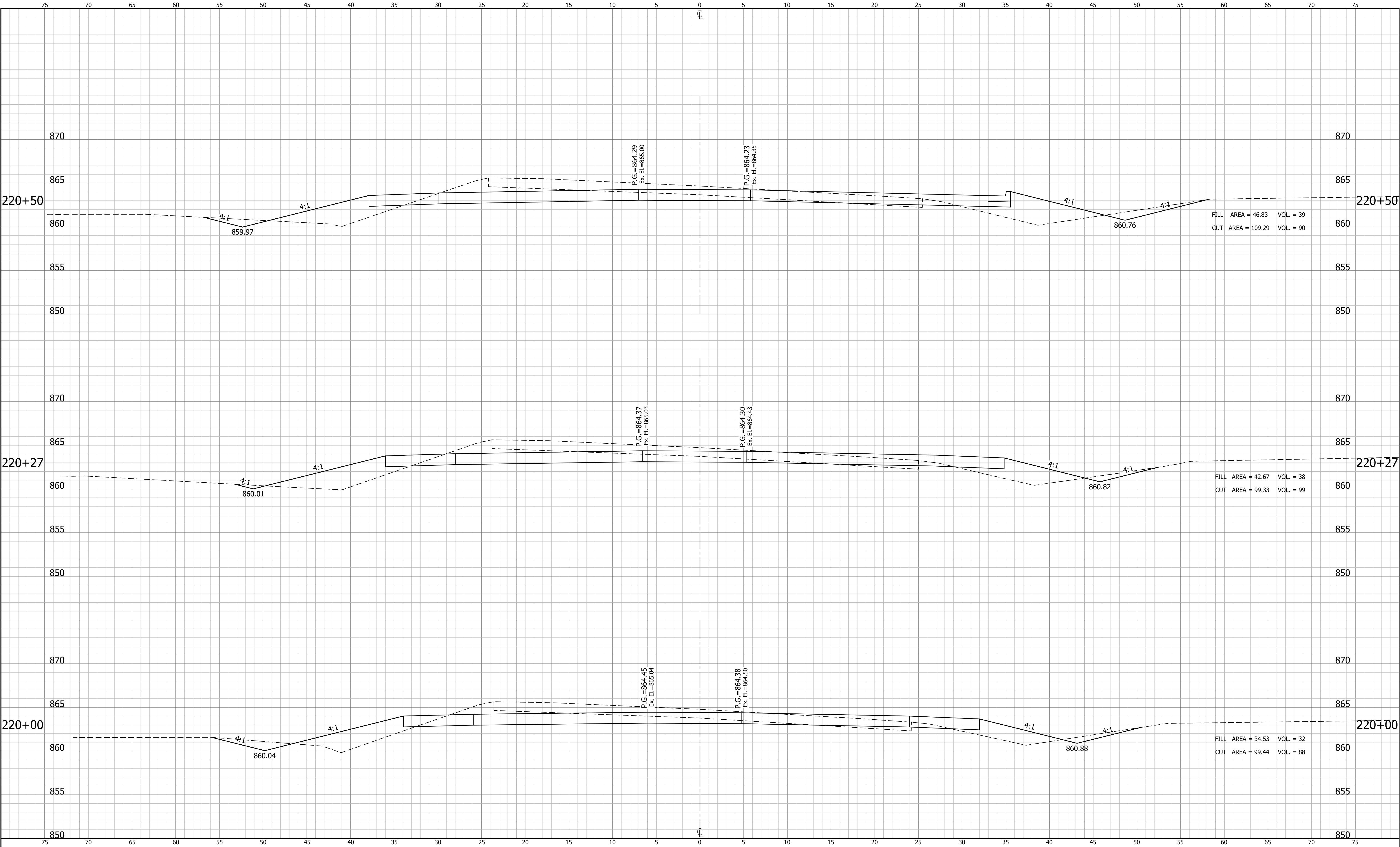


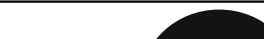
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE	TOWN OF MCCORDSVILLE		HORIZONTAL SCALE 1"=5'	VERTICAL SCALE 1"=5'	
			CROSS SECTIONS LINE "PRA"				
			DESIGNED: MJS	DRAWN: TB			
			CHECKED: MAM	CHECKED: MJS			

SHEETS		
XS3	of	XS19
PROJECT		
600 & 600 RAB		



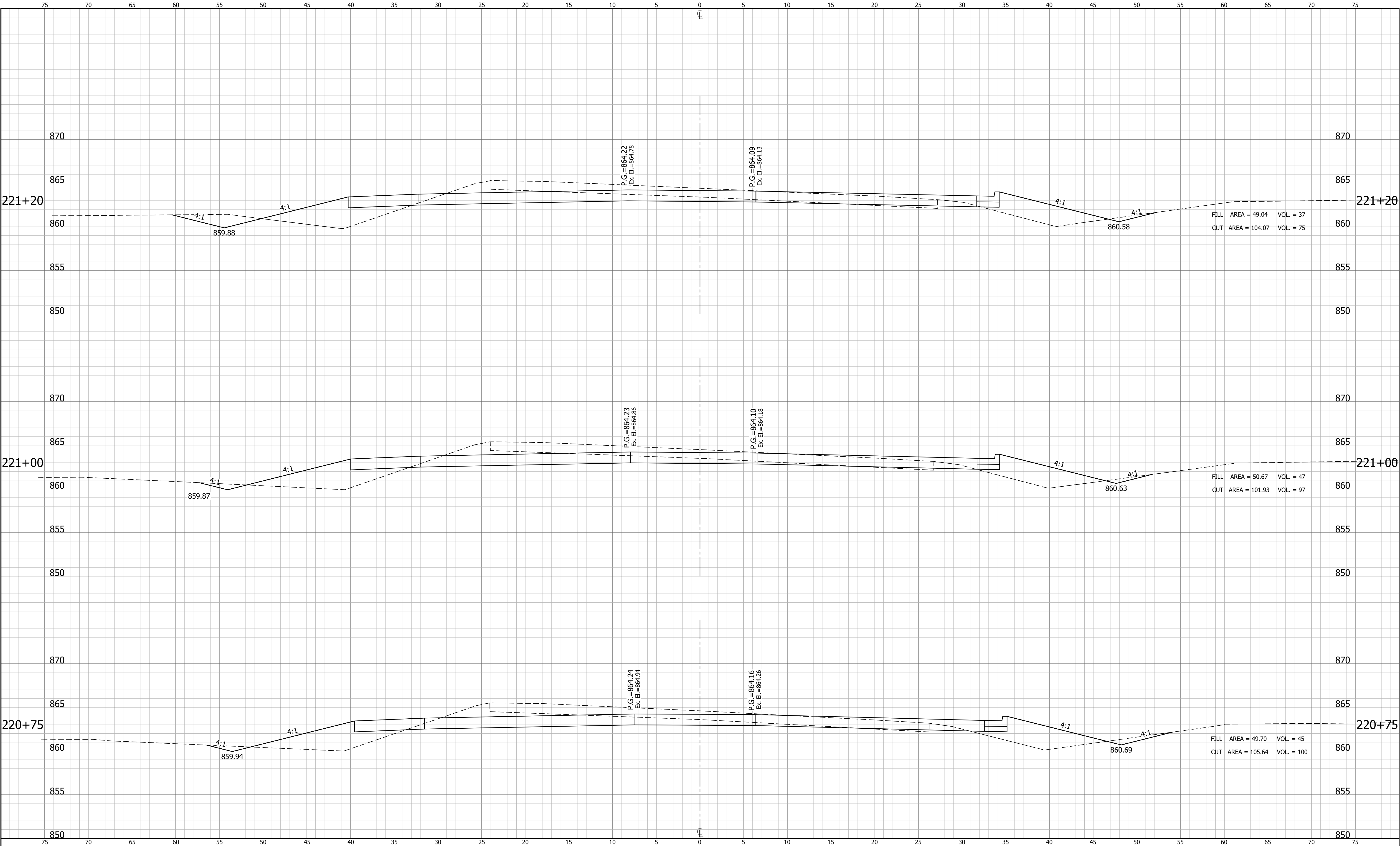
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FILENAME : XS6C.dwg
DATE/USER : 8/21/2024 4:37 PM / jhsagat



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE	TOWN OF MCCORDSVILLE	HORIZONTAL SCALE		
				1"=5'		
				VERTICAL SCALE		
				1"=5'		
DESIGNED: MJS	DRAWN: TB		CROSS SECTIONS LINE "PRA"	SHEETS		
				X55	of	X519
CHECKED: MAM	CHECKED: MJS			PROJECT		
				600 & 600 RAB		

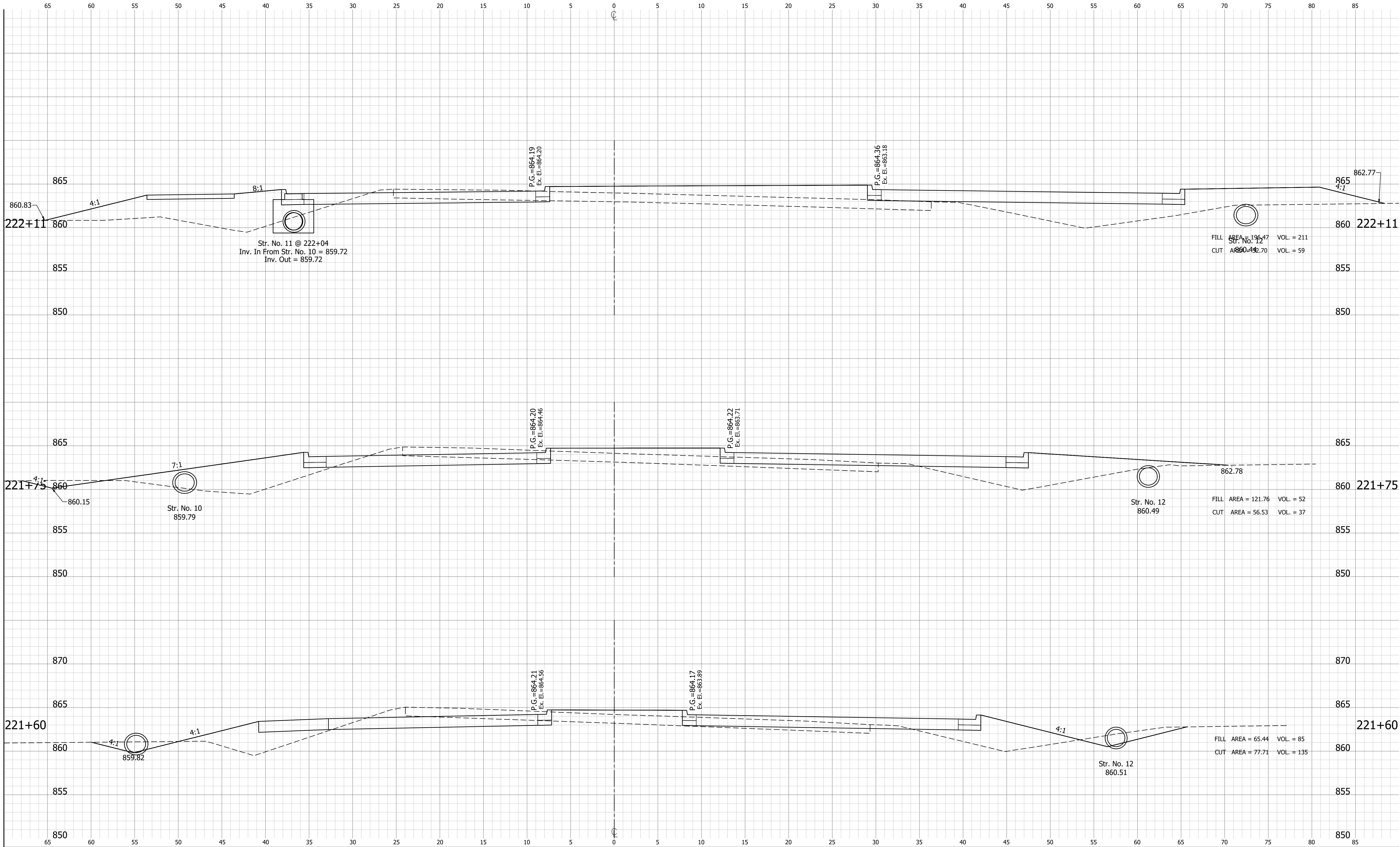
CROSS SECTIONS
LINE "PRA"


DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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DATE/USER : 8/21/2024 4:37 PM / jhsaga



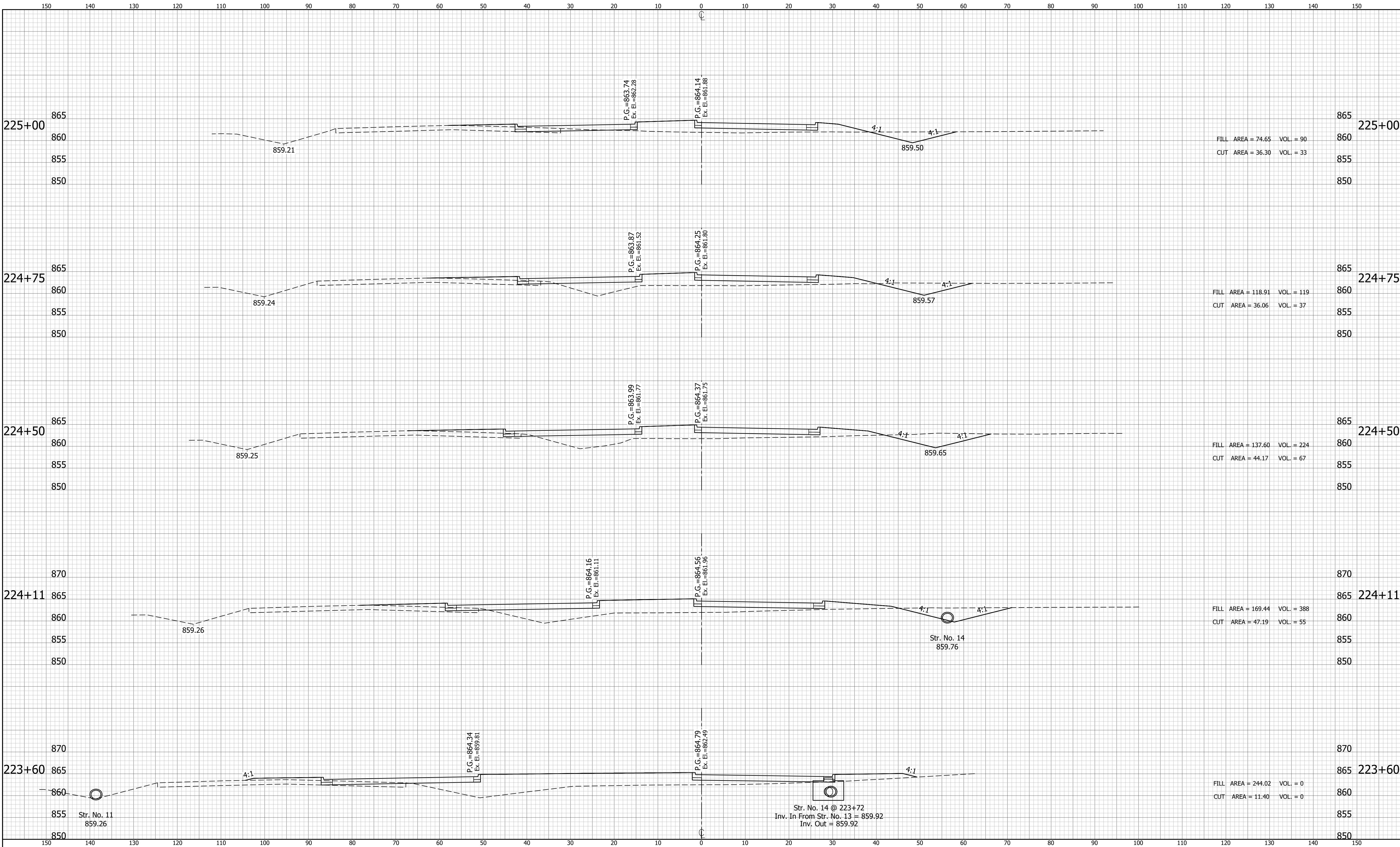
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE
	TOWN OF MCCORDSVILLE	
DESIGNED: MJS	DRAWN: TB	CROSS SECTIONS LINE "PRA"
CHECKED: MAM	CHECKED: MJS	
HORIZONTAL SCALE 1"=5'		
VERTICAL SCALE 1"=5'		
SHEETS		
XS6 of XS19		
PROJECT		
600 & 600 RAB		

DIRECTORY PATH : R:\Active\Chryscapc Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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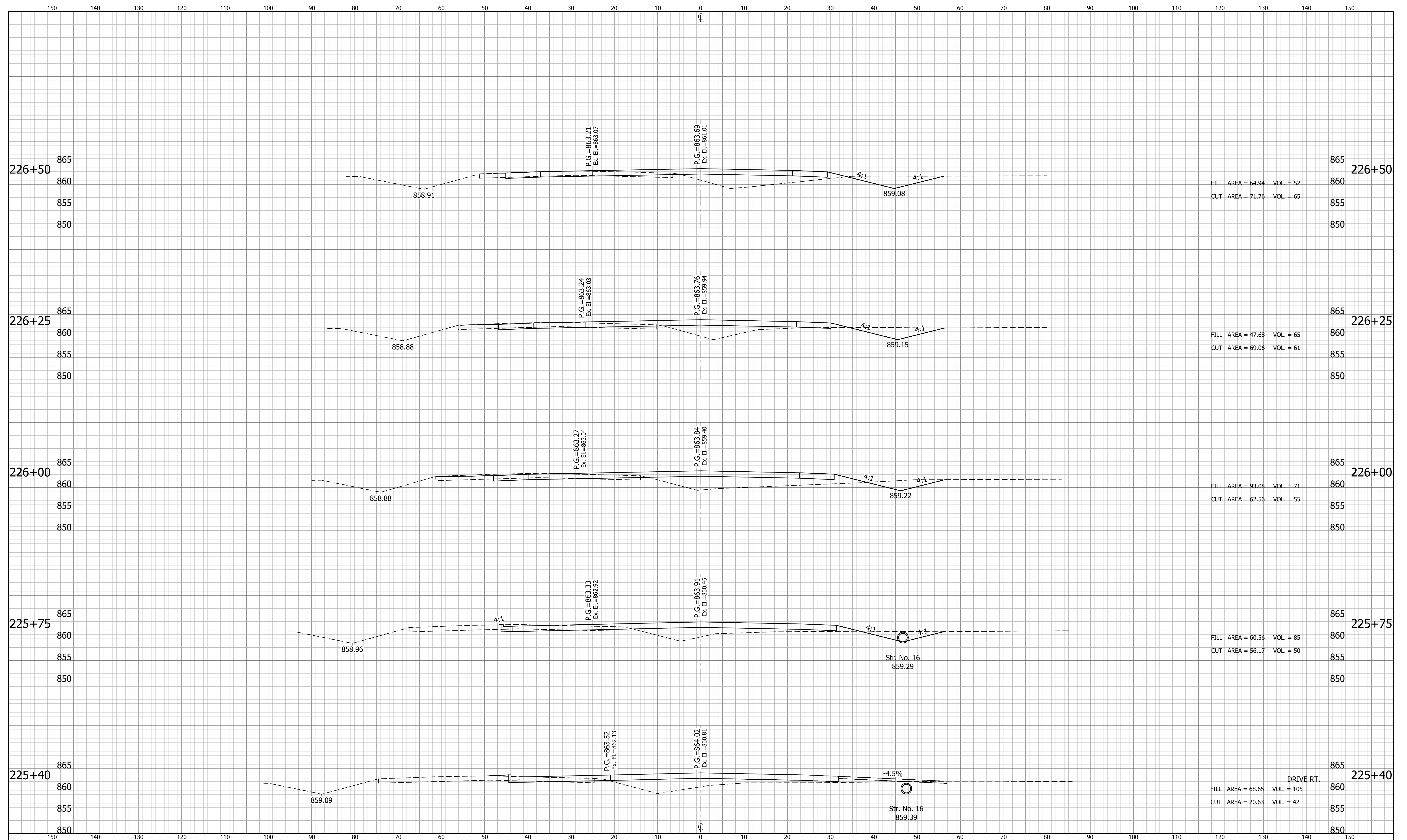


RECOMMENDED FOR APPROVAL			TOWN OF MCCORDSVILLE	HORIZONTAL SCALE			
				1"=5'			
				VERTICAL SCALE			
		DESIGN ENGINEER		8/21/24			
		DATE					
DESIGNED: MJS		DRAWN: TB		CROSS SECTIONS LINE "PRA"			
CHECKED: MAM		CHECKED: MJS					
						SHEETS	
						X57 of X519	
						PROJECT	
						600 & 600 RAB	

DIRECTORY PATH : R:\Active\Chryssape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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DATE/USER : 8/21/2024 4:37 PM / Nhsagat



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE	TOWN OF MCCORDSVILLE		HORIZONTAL SCALE		
					1"=10'		
DESIGNED: MJS			DRAWN: TB			VERTICAL SCALE	
CHECKED: MAM			CHECKED: MJS			1"=10'	
CROSS SECTIONS LINE "N-EXT"						SHEETS	
						XS8 of XS19	
						PROJECT	
						600 & 600 RAB	



DIRECTORY PATH : R:\Active\Cityscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE
DESIGNED: MJS	DRAWN: TB	
CHECKED: MAM	CHECKED: MJS	

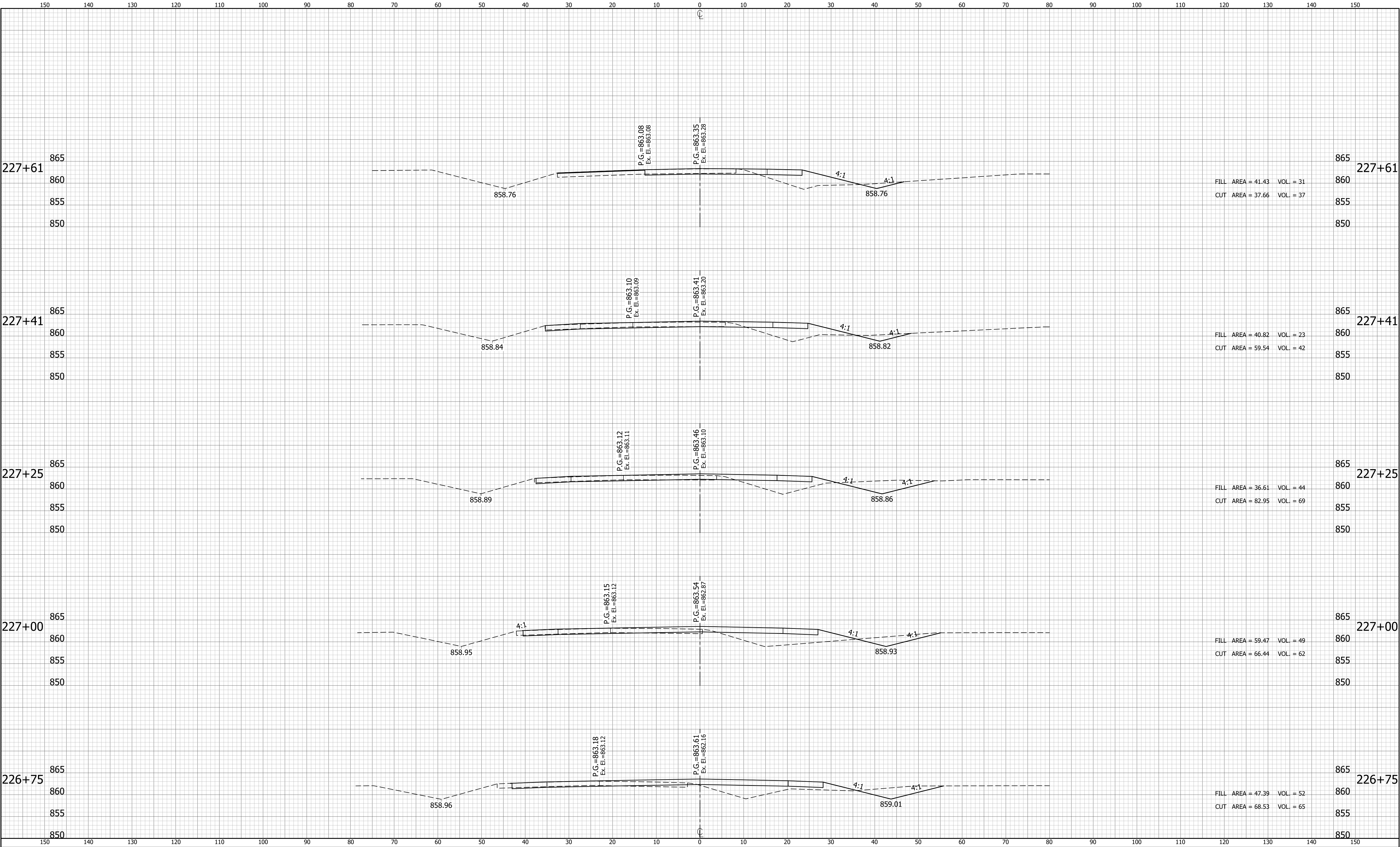
TOWN OF MCCORDSVILLE

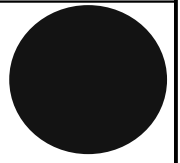
CROSS SECTIONS
LINE "N-EXT"

HORIZONTAL SCALE
1"=10'
VERTICAL SCALE
1"=10'

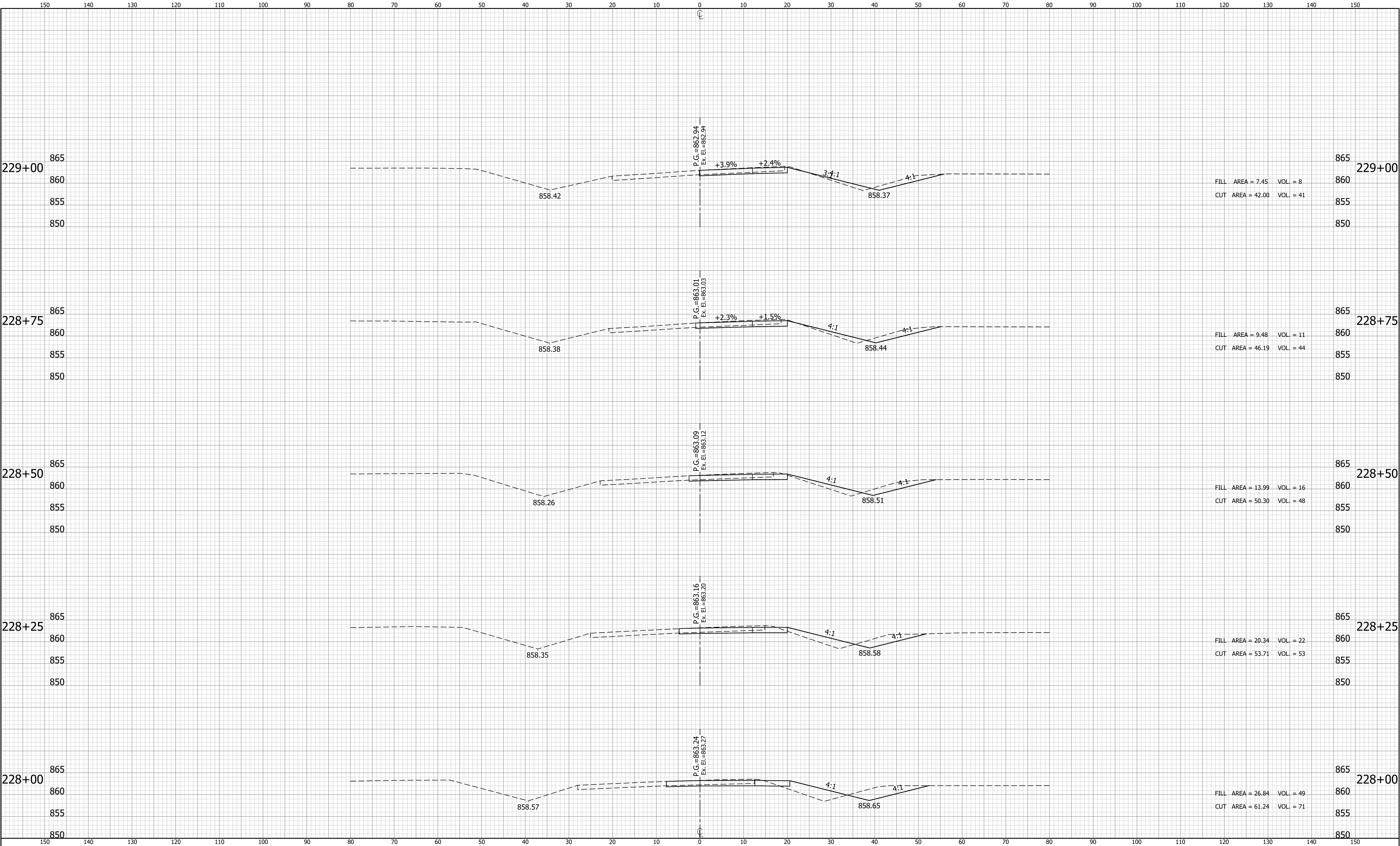
SHEETS		
XS9	of	XS19
PROJECT		
600 & 600 RAB		

DIRECTORY PATH : R:\Active\Chryscapc Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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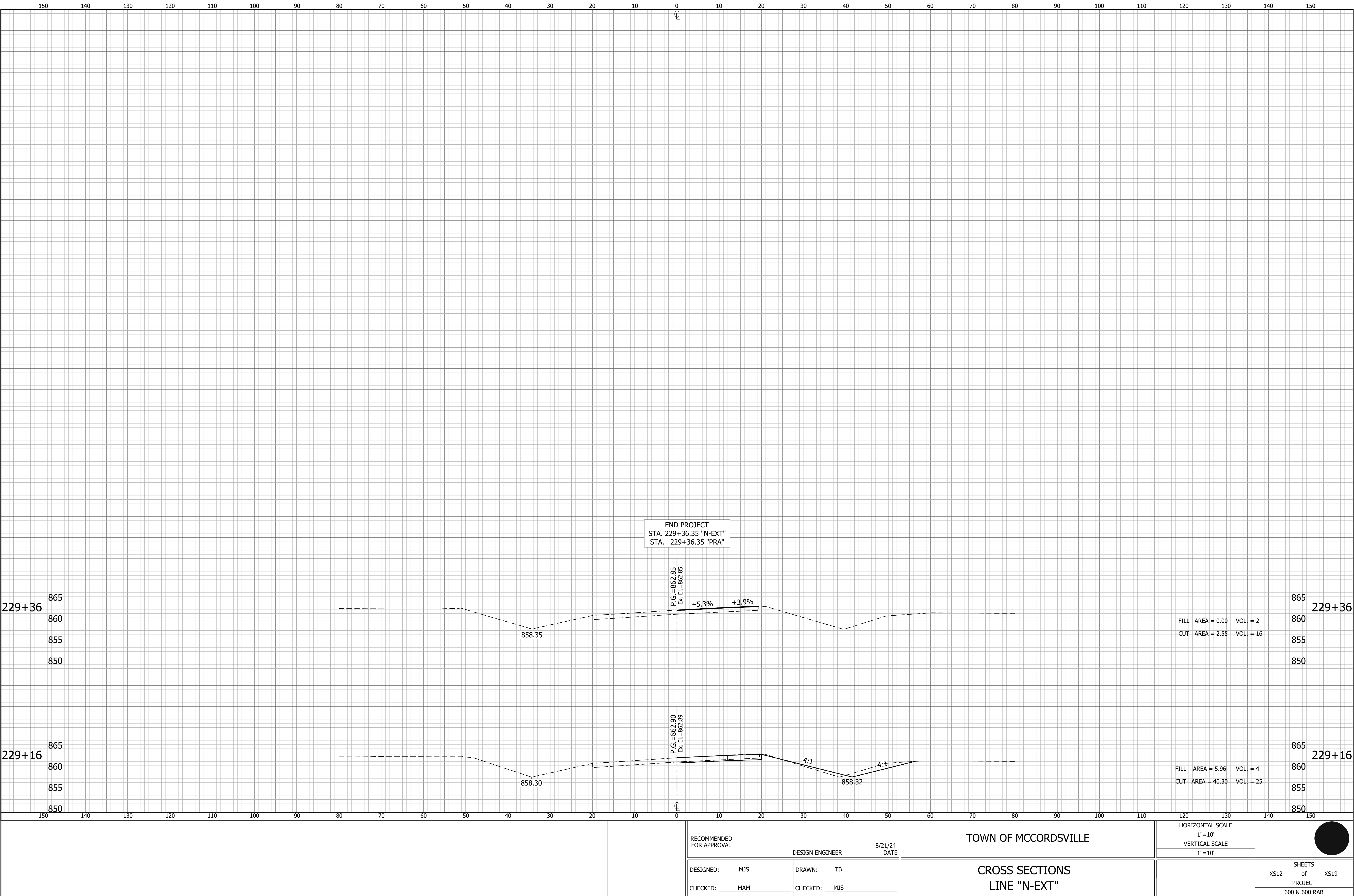
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE	TOWN OF MCCORDSVILLE	HORIZONTAL SCALE	
				1"=10'	
DESIGNED: MJS	DRAWN: TB	CROSS SECTIONS LINE "N-EXT"	VERTICAL SCALE	SHEETS	
CHECKED: MAM	CHECKED: MJS		1"=10'		
			PROJECT		
			600 & 600 RAB		

DIRECTORY PATH : R:\Active\Chryssape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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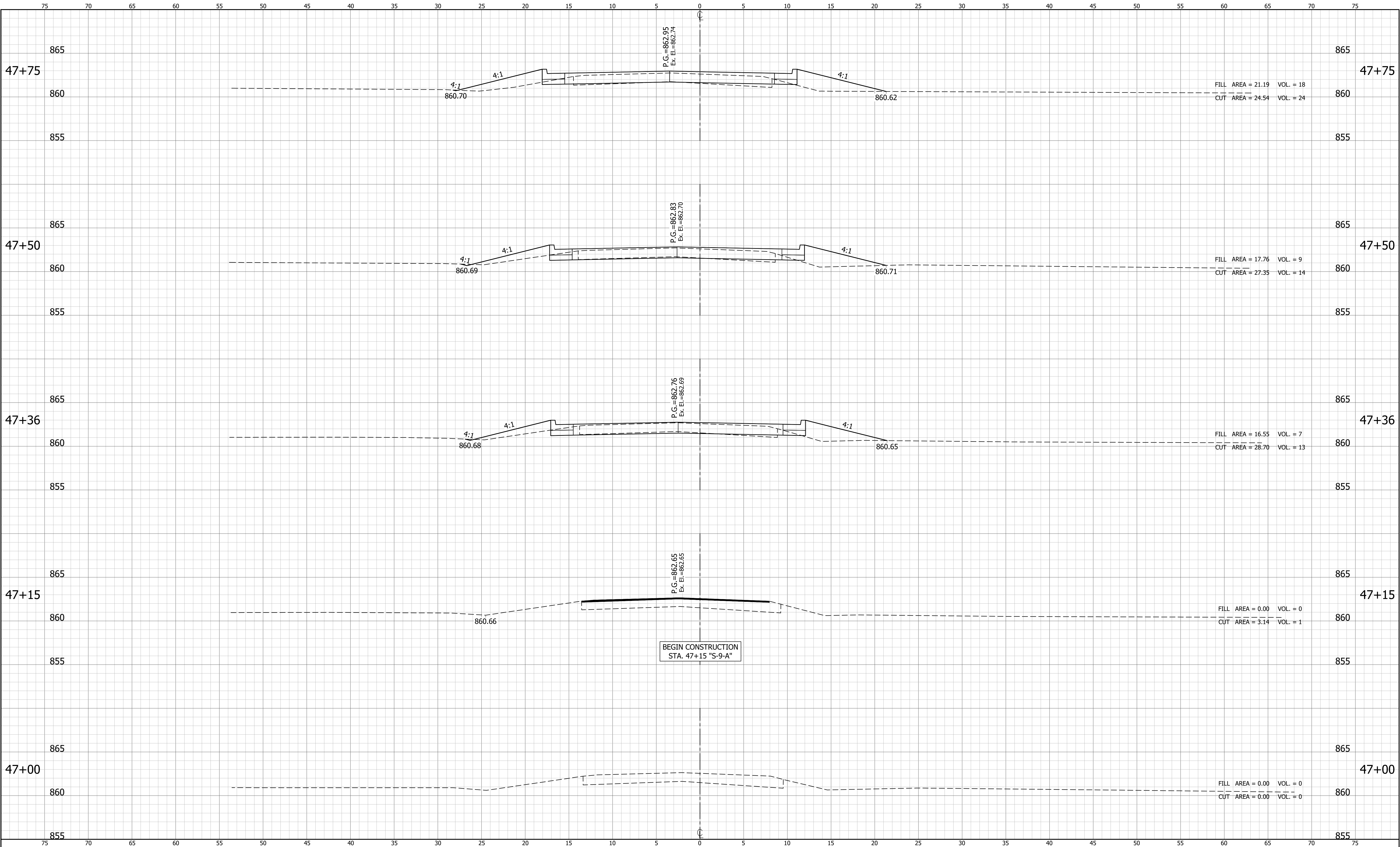


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE	TOWN OF MCCORDSVILLE		HORIZONTAL SCALE		
					1"=10'		
DESIGNED: MJS			DRAWN: TB			VERTICAL SCALE	
CHECKED: MAM			CHECKED: MJS			1"=10'	
CROSS SECTIONS LINE "N-EXT"						SHEETS	
						XS11 of XS19	
						PROJECT 600 & 600 RAB	

DIRECTORY PATH : R:\Active\Chryscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
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DIRECTORY PATH : R:\Active\Chryssape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : XS9A.dwg
DATE/USER : 8/21/2024 4:37 PM / jhsagat



BEGIN CONSTRUCTION
STA. 47+15 "S-9-A"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		8/21/24
			DATE
DESIGNED: MJS	DRAWN: TB		
CHECKED: MAM	CHECKED: MJS		

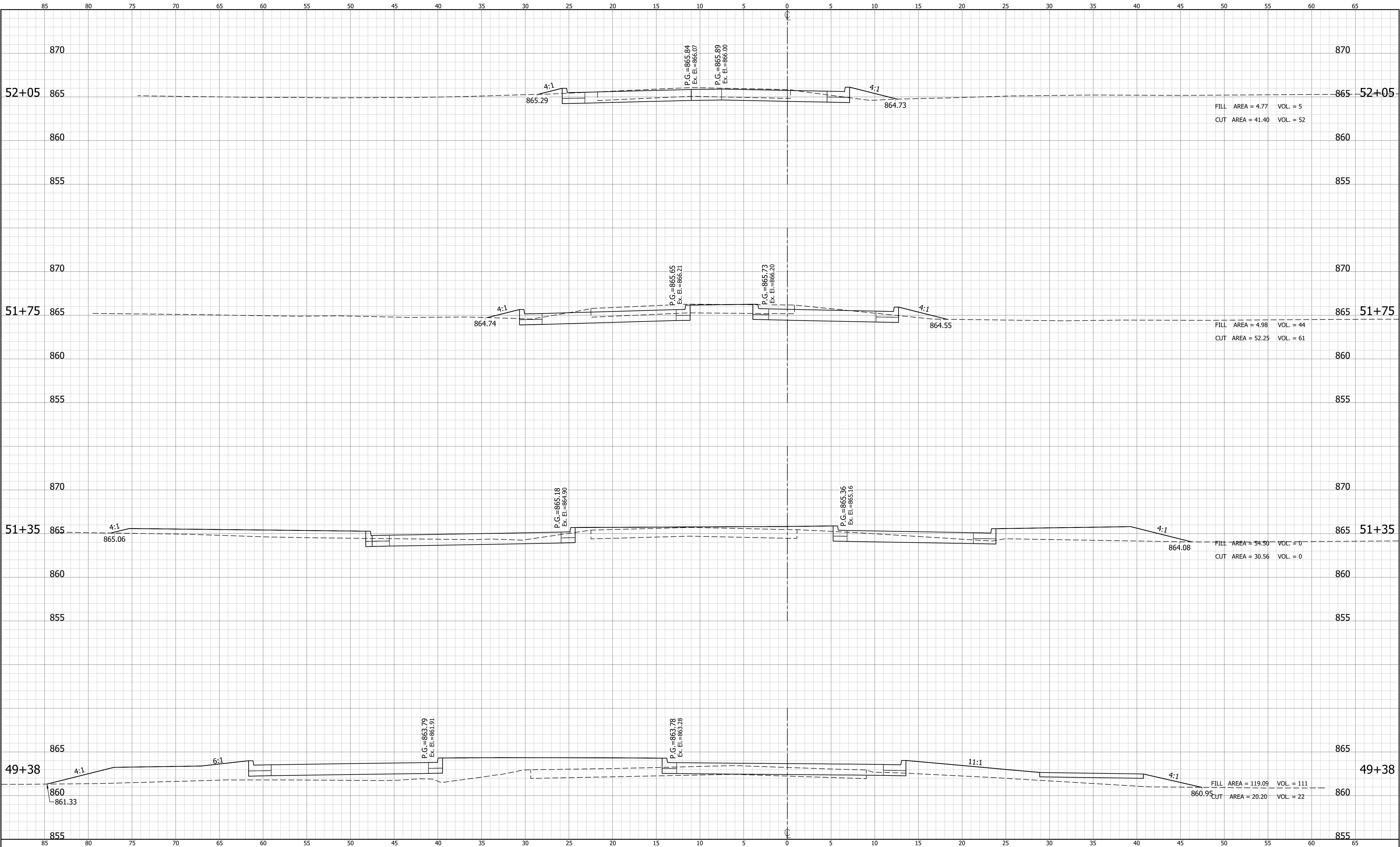
TOWN OF MCCORDSVILLE


CROSS SECTIONS
LINE "S-9-A"

HORIZONTAL SCALE	
1"=5'	
VERTICAL SCALE	
1"=5'	

SHEETS		
XS13	of	XS19
PROJECT		
600 & 600 RAB		

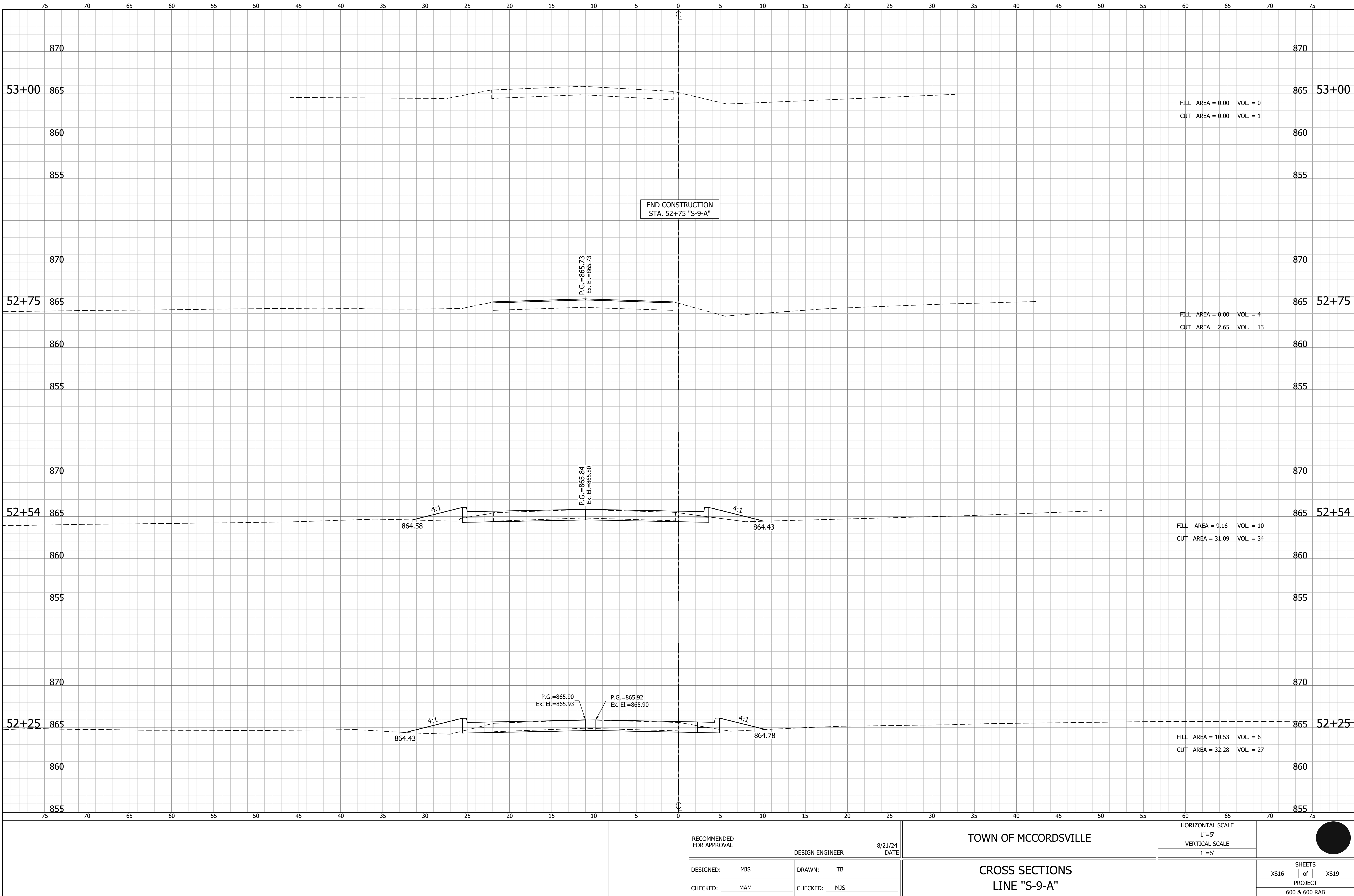
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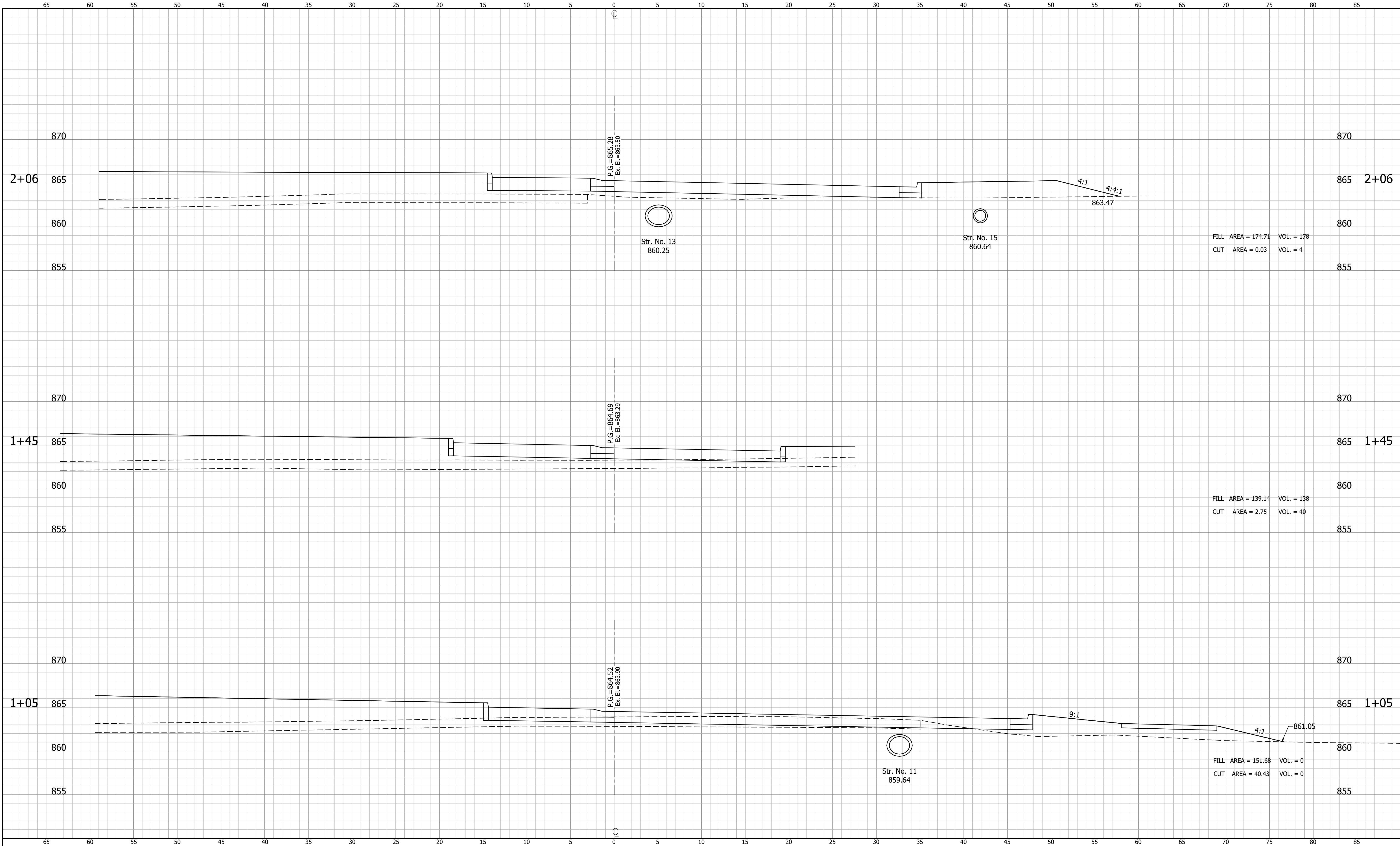
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		8/21/24 DATE		TOWN OF MCCORDSVILLE		HORIZONTAL SCALE			
								1"=5'			
								VERTICAL SCALE			
								1"=5'			
DESIGNED: MJS		DRAWN: TB				CROSS SECTIONS LINE "S-9-A"				SHEETS	
				XS15 of XS19							
CHECKED: MAM		CHECKED: MJS		PROJECT							
				600 & 600 RAB							

CROSS SECTIONS
LINE "S-9-A"

DIRECTORY PATH : R:\Active\Chryssape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : XS16.dwg
DATE/USER : 8/21/2024 4:37 PM / jhsagat




DIRECTORY PATH : R:\Active\Chryscap Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : XS17.dwg
DATE/USER : 8/21/2024 4:37 PM / jhsaga



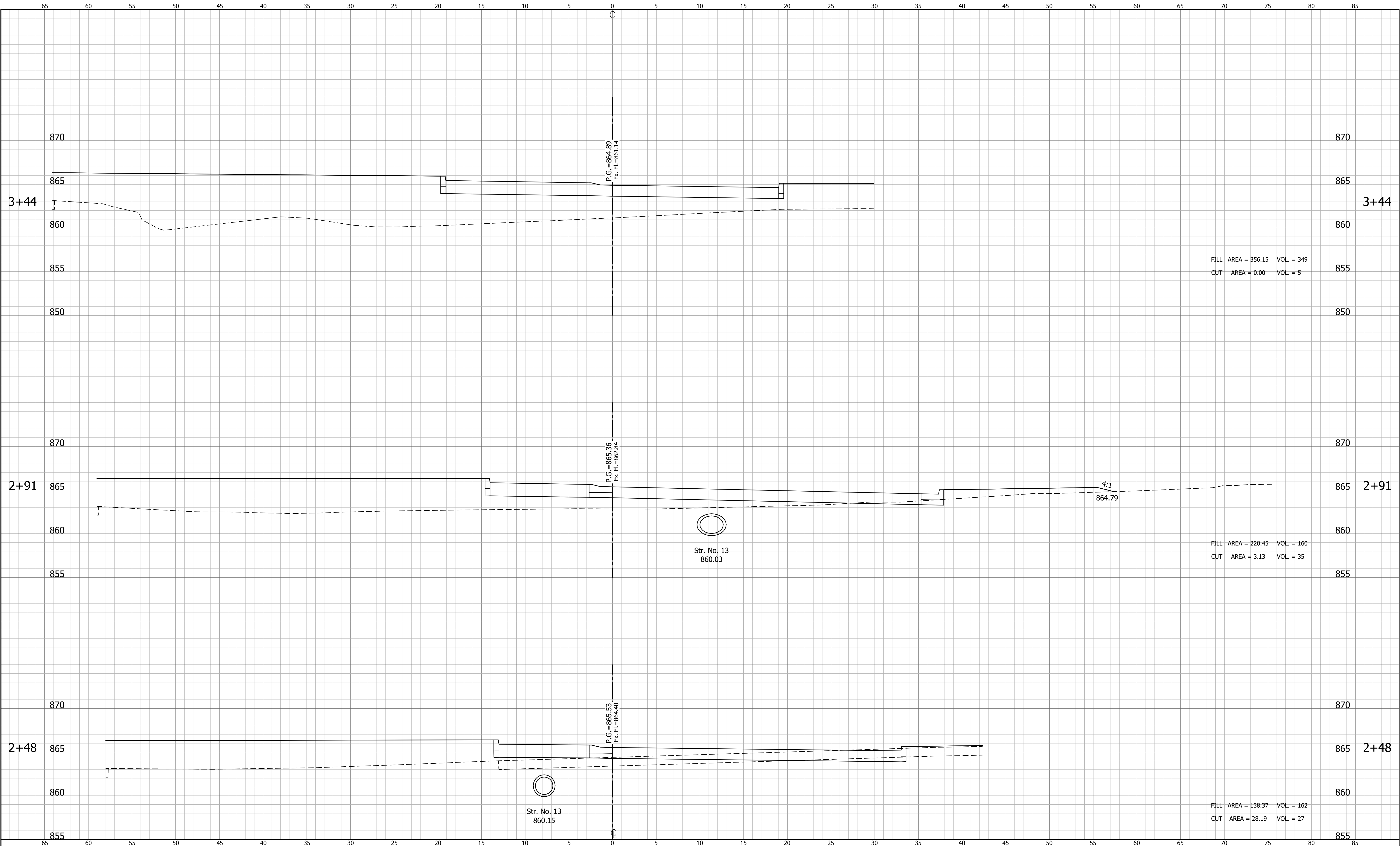
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	8/21/24 DATE
DESIGNED: MJS	DRAWN: TB	
CHECKED: MAM	CHECKED: MJS	

TOWN OF MCCORDSVILLE

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE		
1"=5'		
VERTICAL SCALE		
1"=5'		
	SHEETS	
	XS17	of XS19
	PROJECT	
	600 & 600 RAB	

DIRECTORY PATH : R:\Active\Chryssape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : XSEC.dwg
DATE/USER : 8/21/2024 4:37 PM / jhsagat



RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		8/21/24	
				DATE	
DESIGNED:	MJS	DRAWN:	TB		
CHECKED:	MAM	CHECKED:	MJS		

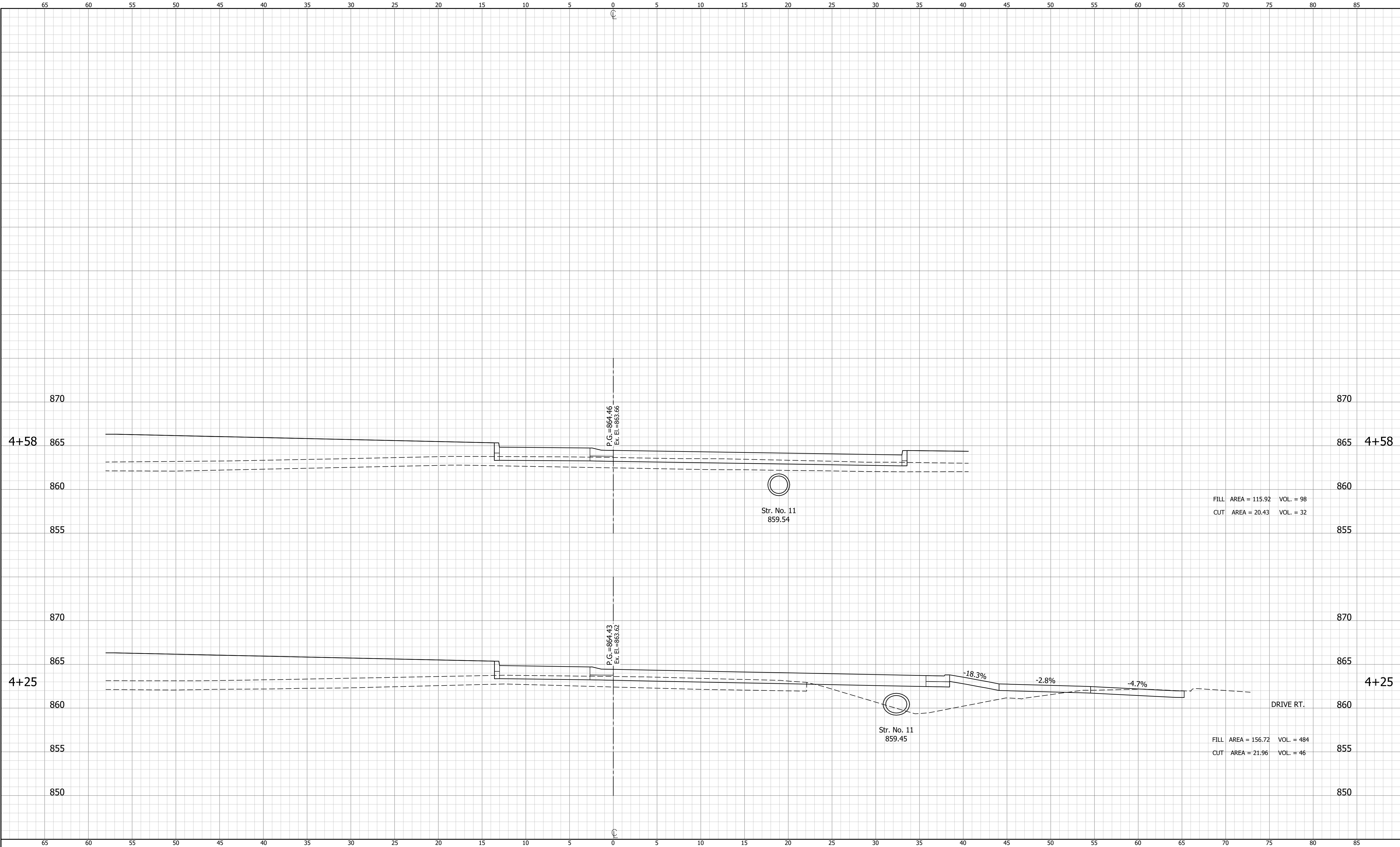
TOWN OF MCCORDSVILLE

CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE	
1"=5'	
VERTICAL SCALE	
1"=5'	

SHEETS		
XS18	of	XS19
PROJECT		
600 & 600 RAB		

DIRECTORY PATH : R:\Active\Cityscape Residential\CR 600 & CR 600 RAB\Design\CAD\Plans
FILENAME : XS19.dwg
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FILL AREA = 115.92 VOL. = 98
CUT AREA = 20.43 VOL. = 32

FILL AREA = 156.72 VOL. = 484
CUT AREA = 21.96 VOL. = 46

RECOMMENDED
FOR APPROVAL
DESIGNED: MJS
CHECKED: MAM
DRAWN: TB
CHECKED: MJS
DATE
8/21/24

TOWN OF MCCORDSVILLE
CROSS SECTIONS
LINE "B"

HORIZONTAL SCALE
1"=5'
VERTICAL SCALE
1"=5'

SHEETS
XS19 of XS19
PROJECT
600 & 600 RAB