

VILLAGE OF WOODLAWN

HAMILTON COUNTY, OHIO

REDNA TERRACE AND CHESTER ROAD

220619

VILLAGE OFFICIALS

MAYOR

BRIAN K. POOLE

INTERIM MUNICIPAL MANAGER

TIMOTHY ENGEL

VILLAGE COUNCIL

AARON L. TILLMAN III

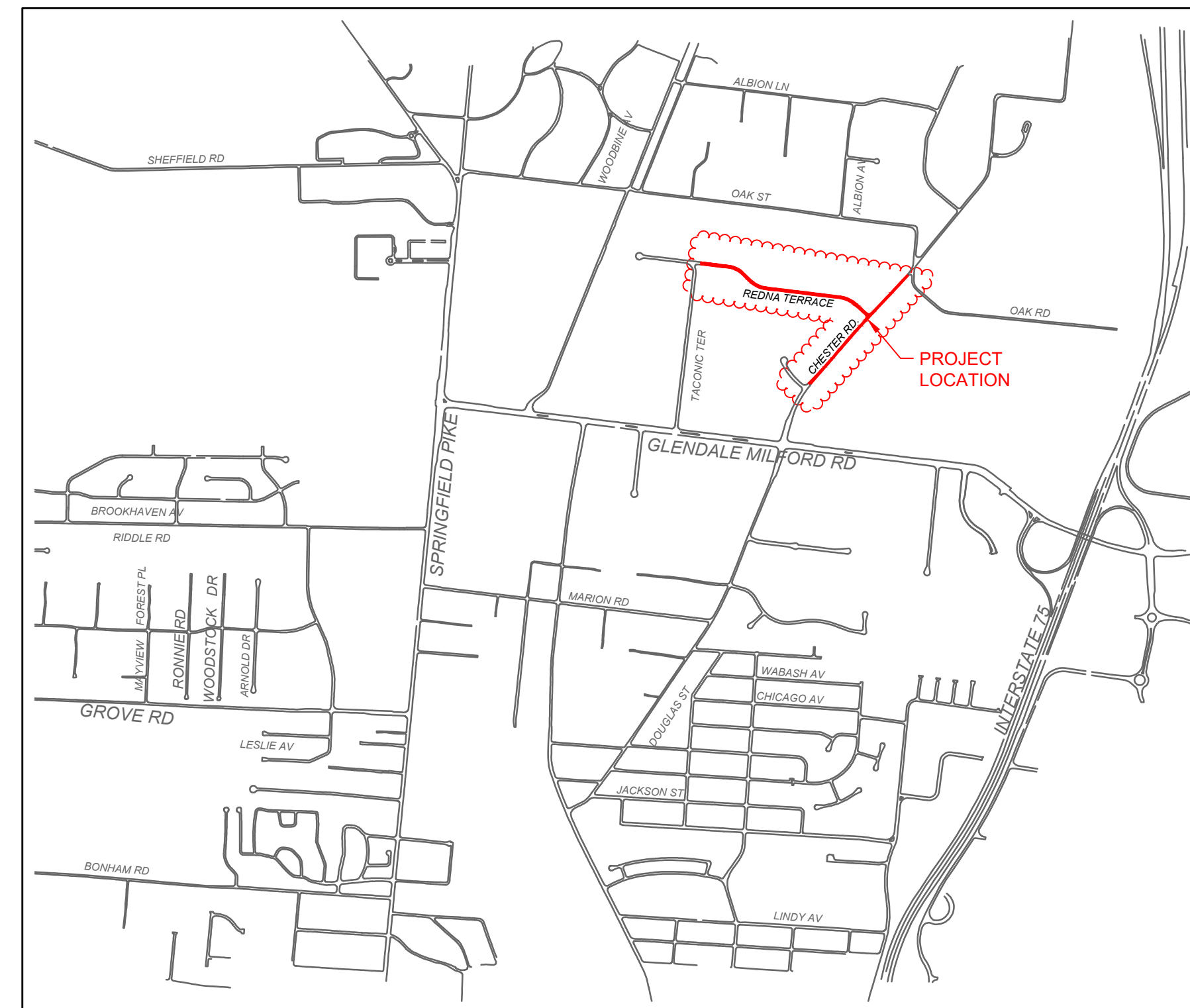
CYNDI CHANDLER

ROSEMARY BROWN

ROBERT LAWSON

ESTHER BOYD

PAMELA FITZGERALD



VICINITY MAP

SOURCE INFORMATION

CAGIS PAVEMENT AND PARCELS SUPPLEMENTED WITH FIELD TOPOGRAPHICAL SURVEY IN AREAS OF PAVEMENT WIDENING

ODOT STANDARD DRAWINGS

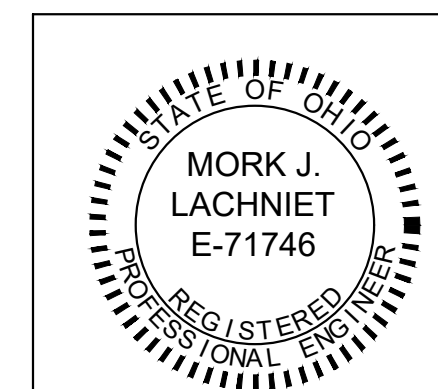
THE CURRENT EDITION OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) STANDARD DRAWINGS ARE HEREBY MADE PART OF THESE PLANS.

PROJECT SPECIFICATIONS

IN GENERAL, THE PROJECT SPECIFICATIONS CONFORM TO THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO. THE PROJECT SPECIFICATIONS, UNDER SEPERATE COVER, PREPARED BY CT CONSULTANTS SHALL GOVERN ALL WORK AND MATERIALS FOR THIS PROJECT.

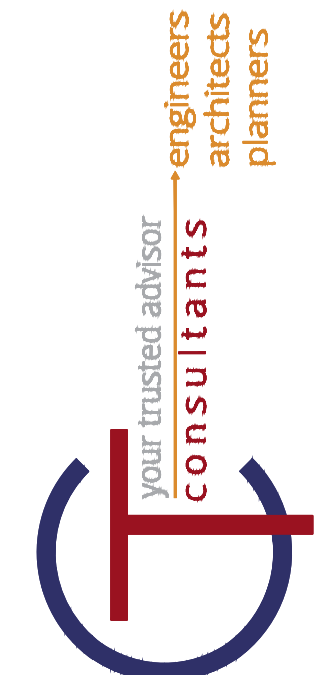
INDEX OF SHEETS		
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4	DET01	DETAILS
5-11	PLN01 - PLN09	LAYOUT PLAN
12-14	GRD01 - GRD03	GRADING
15-20	XS011-XS06	TYPICAL CROSS SECTIONS

ODOT SCD REFERENCES		
NO	DESCRIPTION	DATE
BP-5.1	NEW CURB	1/18/2019



MORK J LACHNIET, PE

PE #71746



REDNA TERRACE AND CHESTER ROAD
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

TITLE SHEET

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	TTL
SHEET	OF
1	21



GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS...
2. EXPANSION MATERIAL SHALL BE FLEXIBLE FOAM MATERIAL...
3. ALL DISTURBED AREAS ARE TO BE RESTORED...
4. ALL APPLICABLE RECOMMENDATIONS IN OHIO RAINWATER AND LAND DEVELOPMENT MANUAL...
5. RIGHT-OF-WAY AND PROPERTY LINES SHOWN OUTSIDE OF RENDA RIGHT OF WAY...
6. THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN...
7. ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED...
8. RELOCATION OR REINSTALLATION OF EXISTING MAIL BOXES, FENCES, PRIVATE LANDSCAPE LIGHTS...
9. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL COUNTY, STATE AND VILLAGE OF WOODLAWN PERMITS HAVE BEEN ISSUED...
10. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY...
11. EARTHWORK IS MINOR IN NATURE AND SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION QUANTITIES.

MATERIALS AND SPECIFICATIONS

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW, AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF PREMIUM QUALITY...
ALL ITEMS AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND OWNER...

ANY ITEMS OF LABOR AND MATERIALS REQUIRED BUT NOT SHOWN AS A SEPARATE PAY ITEM IN THE PROPOSAL SHALL BE FURNISHED AND INSTALLED AS INCIDENTAL TO THE CONTRACT...
TESTING

THE CONTRACTOR SHALL INCLUDE THE COST OF ALL REQUIRED TESTS IN THE UNIT PRICE BID FOR THE PERTINENT ITEM AND NO SEPARATE COMPENSATION IS TO BE MADE FOR SAID TESTING.

VILLAGE OWNED TRAFFIC SIGNS, POSTS, SIGNALS, AND POLES

TRAFFIC SIGNS, POSTS, SIGNAL EQUIPMENT AND POLES THAT ARE NOT INTENDED TO BE REUSED SHALL BE CAREFULLY REMOVED, CLEANED AND DELIVERED TO THE VILLAGE MAINTENANCE GARAGE FOR INSPECTION AND STORAGE...

RESPONSIBILITY

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THEIR WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FEATURE...
THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS...

IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.

STORM WATER POLLUTION, EROSION CONTROL AND DUST CONTROL

THE CONTRACTOR SHALL TAKE EXTREME CARE AND UTILIZE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING THE PROJECT AND TO PREVENT UNNECESSARY EROSION AND SILTATION AT ALL POINTS OF THE PROJECT...

DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT, WATER, LABOR AND MATERIAL, ETC. REQUIRED TO PERFORM DUST CONTROL SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

GENERAL NOTES

COORDINATION WITH OTHER CONTRACTORS
OTHER CONTRACTORS AND/OR UTILITY COMPANIES MAY BE WORKING IN THIS AREA CONCURRENT WITH THIS CONTRACT...
DOWN TIME DUE TO FIELD CONFLICTS

DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING RESPONSE ON, OR RESOLUTION TO AN ISSUE FROM THE OWNER AND/OR ENGINEER...

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE VILLAGE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION...

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.

UTILITY NOTES

- 1. THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.)...
2. PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH...
3. TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER...
4. FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES...

WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT, THE OWNER SHALL NOTIFY ALL UTILITIES OF THE NAME, ADDRESS AND PHONE NUMBER OF THE CONTRACTOR...
DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE...

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.
THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

Table listing utility owners and contact information: ELECTRIC (DUKE ENERGY), SEWER (METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI), GAS (DUKE ENERGY), CABLE TV (CHARTER), TELEPHONE (CINCINNATI BELL TELEPHONE COMPANY), WATER (GREATER CINCINNATI WATER WORKS), and STORM (VILLAGE OF WOODLAWN).

CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, AS DIRECTED BY THE OWNER / ENGINEER.

MANHOLES, CATCH BASINS AND INLETS

ALL CASTINGS FOR MANHOLES, CATCH BASINS AND INLETS SHALL CONFORM TO THOSE SPECIFIED IN THE STANDARD CONSTRUCTION DRAWINGS...
TOP OF CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE OWNER / ENGINEER.

TEMPORARY BLOCKING OF THE DRIVEWAY TO ANY RESIDENTIAL PROPERTY DURING CONSTRUCTION IS ALLOWABLE (MAX. 96 HOURS)...
THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE RESIDENT AND/OR BUSINESS AND GIVE A COPY OF SAID WRITTEN NOTICE TO THE FIELD INSPECTOR AND OWNER 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH WOULD INVOLVE ACCESS TO SAID PROPERTY.

STORM & SANITARY NOTES

CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT...
REVIEW OF DRAINAGE FACILITIES
BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE VILLAGE OF WOODLAWN...

THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES...

SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS, LIGHTS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS...
A. BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND ENGINEER THE NAMES AND TELEPHONE NUMBERS OF PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY...

MAINTENANCE OF TRAFFIC NOTES

ITEM 614, MAINTAINING TRAFFIC

THE MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENTS AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"...
A. TRAFFIC SHALL BE MAINTAINED AT ALL INTERSECTIONS AND DRIVES AT ALL TIMES, AND SHALL BE CONTROLLED WITH FLAGGERS AND TRAFFIC CONTROL DEVICES AS REQUIRED AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER AND ENGINEER.

THE CONTRACTOR SHALL OBEY ALL LOCAL LAWS AND ORDINANCES INCLUDING ANY NOISE RESTRICTIONS.
THE CONTRACTOR SHALL MAINTAIN TRAFFIC TO ALL ROADWAYS INTERSECTING THE CONSTRUCTION AREAS.

- B. IN ADDITION LANE CLOSURES ARE NOT ALLOWED OVERNIGHT. ANY COST FOR ITEMS NOT SPECIFICALLY NOTED UNDER THE MAINTENANCE OF TRAFFIC NOTE REQUIRED TO REOPEN LANES SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614 - MAINTENANCE OF TRAFFIC.
C. MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGH THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR...
D. LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE OWNER AND ENGINEER...

THE CONTRACTOR SHALL OBEY ALL LOCAL LAWS AND ORDINANCES INCLUDING ANY NOISE RESTRICTIONS.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC TO ALL ROADWAYS INTERSECTING THE CONSTRUCTION AREAS.

MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGH THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR...

THE CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS 48 HOURS IN ADVANCE BEFORE COMMENCING WORK.

TEMPORARY BLOCKING OF THE DRIVEWAY TO ANY RESIDENTIAL PROPERTY DURING CONSTRUCTION IS ALLOWABLE (MAX. 96 HOURS)...
ACCESS TO PROPERTIES FOR DELIVERIES, SERVICE, EMERGENCY VEHICLES, ETC. SHALL BE MAINTAINED AT ALL TIMES...

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE RESIDENT AND/OR BUSINESS AND GIVE A COPY OF SAID WRITTEN NOTICE TO THE FIELD INSPECTOR AND OWNER 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH WOULD INVOLVE ACCESS TO SAID PROPERTY.

MAINTENANCE OF TRAFFIC NOTES

- CONSTRUCTION SEQUENCE
PHASE 1 - ENTIRE LENGTH OF PROJECT LIMITS:
A. INSTALL PROPER WORK ZONE SIGNAGE ON INTERSECTING STREETS.
B. MAINTAIN THRU TRAFFIC, MAINTAIN DRIVEWAY ACCESS FOR THE POLICE AND FIRE DEPARTMENT.
C. REMOVE AND CONSTRUCT NEW CONCRETE CURB AND GUTTER, DRIVE APRONS, SIDEWALK AND CURB RAMPS AS DESIGNATED ON THE PLANS...
PHASE 2 - PLACEMENT OF TACK COAT AND SURFACE COURSE
PHASE 3 - PLACEMENT OF PAVEMENT MARKINGS
CONSTRUCTION STIPULATION
A. THE CONTRACTOR SHALL NOT STORE MATERIALS AND EQUIPMENT, OPERATE EQUIPMENT ON OR OVER PROPERTY OTHER THAN THE PUBLIC RIGHT-OF-WAY OR AREAS THAT AREA PART OF THE PROJECT CONSTRUCTION.
B. THE CONTRACTOR SHALL SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE OWNER / ENGINEER AND RECEIVE APPROVAL BEFORE STARTING WORK ON THIS PROJECT.
C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORGANIZE THE WORK IN SUCH A MANNER TO PROVIDE THE MOST SAFETY WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC.
D. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL ADDITIONAL SIGNS OR TRAFFIC CONTROL DEVICES DEEMED NECESSARY BY THE OWNER / ENGINEER WITH ALL ASSOCIATED COSTS...

CONTINGENCY QUANTITIES

204 SUBGRADE STABILIZATION WITH GEOGRID

THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE, GEOGRID MATERIAL AND ASPHALT PER THE DETAILS INDICATED IN THESE PLANS...

204 SUBGRADE STABILIZATION

THIS ITEM SHALL CONSIST OF OVER EXCAVATING POOR SOILS AND BACKFILLING THE AREAS WITH A COMBINATION OF STONE MATERIAL AND ASPHALT...
DEFLECTIONS EXCEED 0.5" OR CAUSE RUPTURING OF THE SUBGRADE...

SYMBOL LEGEND

Table mapping symbols to descriptions: EXISTING GAS LINE, EXISTING GAS SERVICE, EXISTING ELECTRIC (UNDERGROUND / OVERHEAD), EXISTING CABLE (UNDERGROUND / OVERHEAD), EXISTING TELEPHONE (UNDERGROUND / OVERHEAD), EXISTING WATER MAIN, EXISTING WATER SERVICE, EXISTING STORM SEWER, EXISTING ROOF DRAIN, EXISTING SANITARY SEWER, EXISTING SANITARY FORCE MAIN, EXISTING FIBER OPTICS, EXISTING FENCE, EXISTING CONTOURS (MAJOR), EXISTING CONTOURS (MINOR), EXISTING RIGHT OF WAY, EXISTING PROPERTY LINE, EXISTING EASEMENT, EXISTING GUARDRAIL, EXISTING TREE LINE, PROPOSED GAS LINE, PROPOSED GAS SERVICE, PROPOSED CABLE (UNDERGROUND / OVERHEAD), PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD), PROPOSED WATER MAIN, PROPOSED WATER SERVICE, PROPOSED STORM SEWER, PROPOSED UNDERDRAIN, PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBINATION, PROPOSED SANITARY SEWER, PROPOSED SANITARY FORCE MAIN, PROPOSED FIBER OPTICS, PROPOSED FENCE, PROPOSED CONTOURS (MAJOR), PROPOSED CONTOURS (MINOR), PROPOSED RIGHT OF WAY, PROPOSED PROPERTY LINE, PROPOSED EASEMENT, PROPOSED GUARDRAIL, PROPOSED TREE LINE / CLEARING LIMITS.

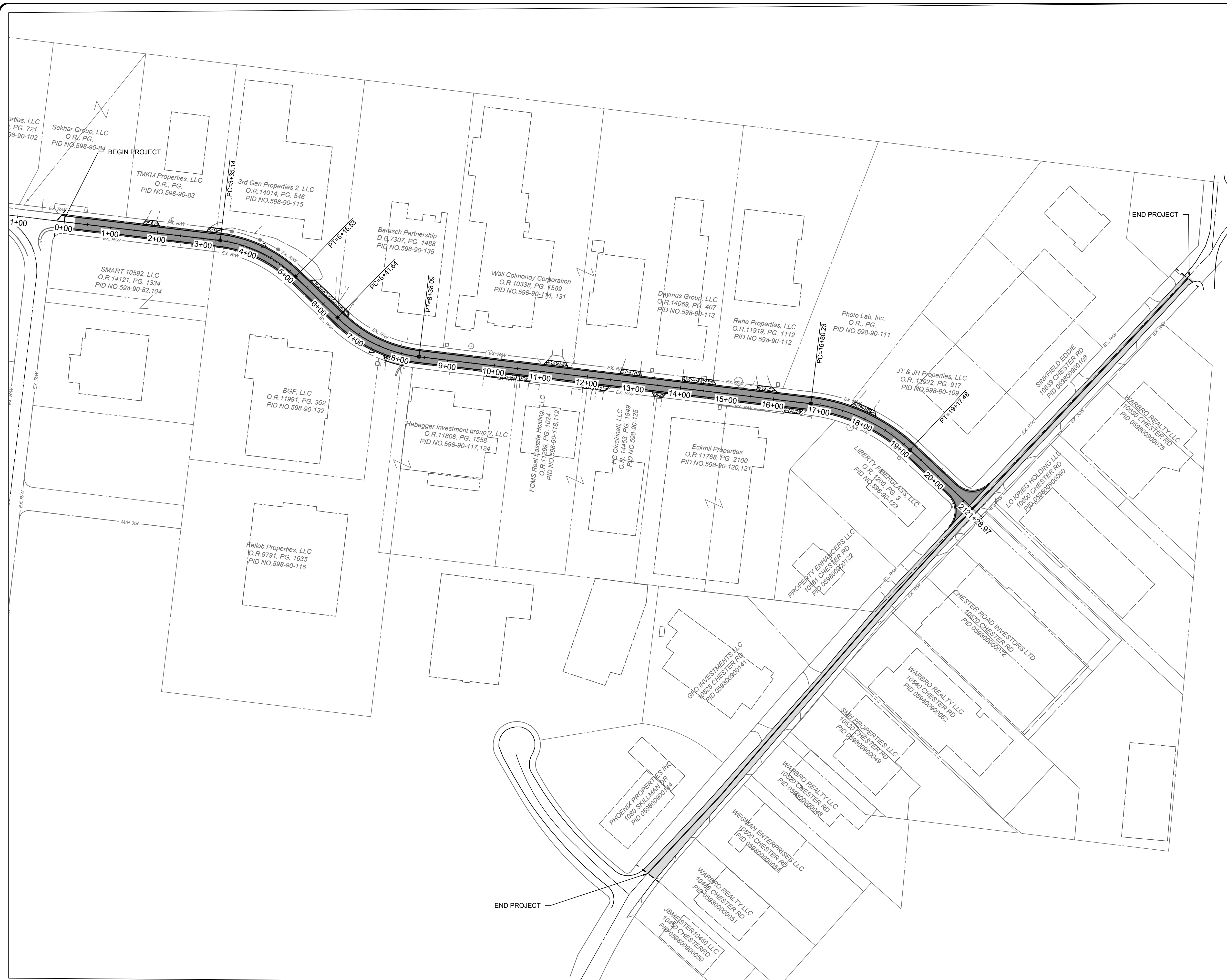
Table mapping symbols to descriptions: PROPOSED FLAGPOLE, PROPOSED MAILBOX, PROPOSED SIGN, PROPOSED CABLE PEDESTAL, PROPOSED ELECTRIC PEDESTAL, PROPOSED PULL BOX, PROPOSED GROUND LIGHT, PROPOSED LIGHT POLE, PROPOSED ELECTRIC METER, PROPOSED ELECTRIC MANHOLE, PROPOSED GAS METER, PROPOSED GAS VALVE, PROPOSED GAS BOX, PROPOSED UTILITY POLE, PROPOSED GUY WIRE / ANCHOR, PROPOSED SANITARY MANHOLE, PROPOSED SANITARY CLEANOUT, PROPOSED STORM MANHOLE, PROPOSED SINGLE / DOUBLE CURB INLET, PROPOSED CATCH BASIN, PROPOSED STORM CLEANOUT, PROPOSED TELEPHONE MANHOLE, PROPOSED TELEPHONE PEDESTAL, PROPOSED FIRE HYDRANT, PROPOSED WATER METER, PROPOSED WATER VALVE, REMOVE EXISTING BUSH / TREE, PROPOSED SLOPE DIRECTION.



Table with columns: DATE, REVISION, NO, BID, M/L/C, ISSUE FOR, M/M/M/R/O, M/M/A/R/O, M/L/C. Row 1: DATE, REVISION, NO, BID, M/L/C, ISSUE FOR: 01/24/2024, M/M/A/R/O, M/M/A/R/O, M/L/C.

REDNA TERRACE AND CHESTER ROAD
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
GENERAL NOTES

PROJECT NO: 220619
DISCIPLINE: CIVIL
SHEET NAME: NOTES
SHEET 2 OF 21



HATCH LEGEND

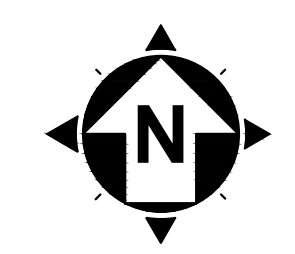
	PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
	PROPOSED PAVEMENT MILL AND OVERLAY
	PROPOSED DRIVEWAY APRON REPLACEMENT



ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 01/24/2024			
SCALE: AS SHOWN			
DESIGNED BY: MMARO			
DRAWN BY: MMARO			
CHECKED BY: MLAC			

REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
OVERALL PROJECT LIMITS

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	OPL
SHEET	OF
3	21

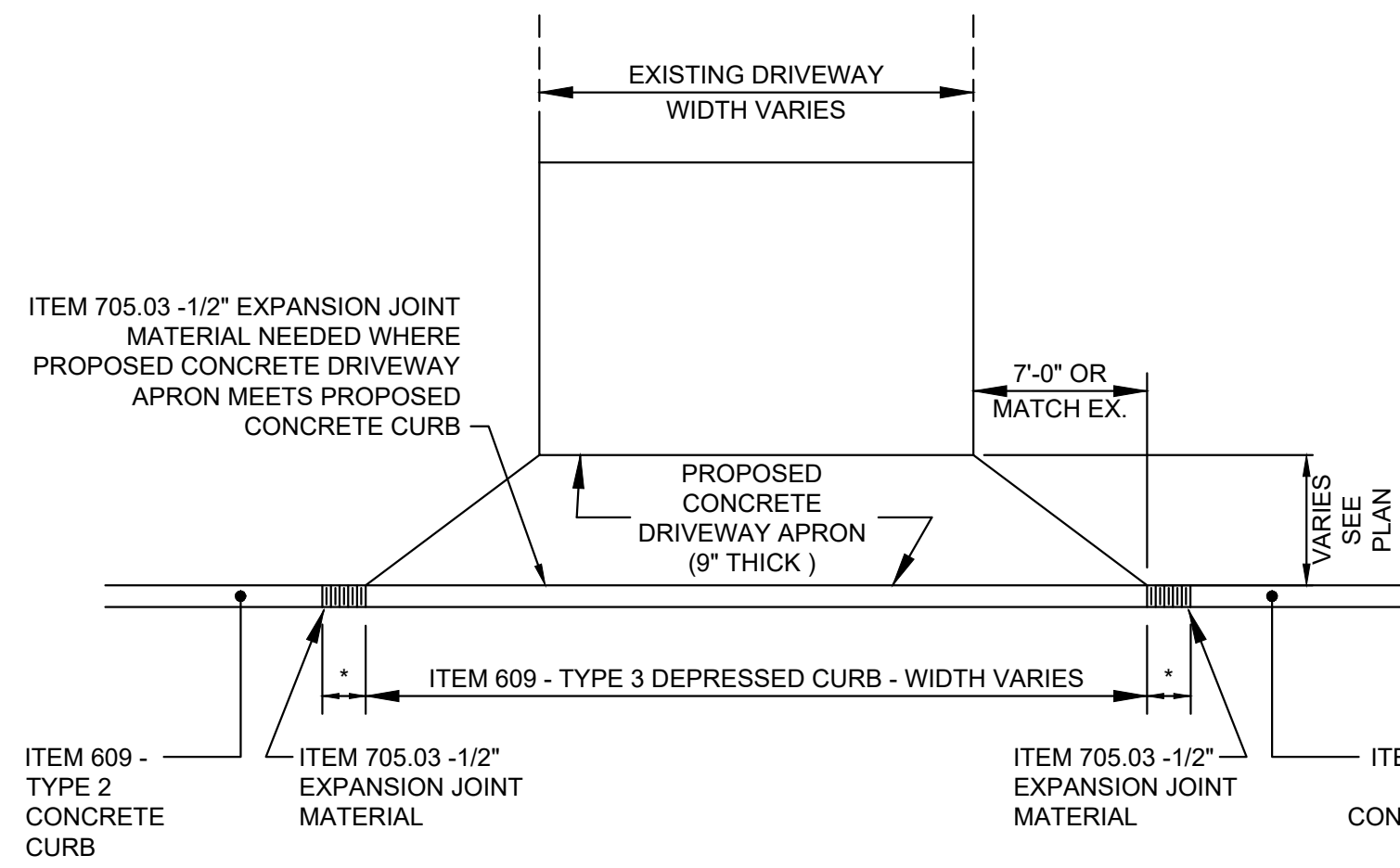
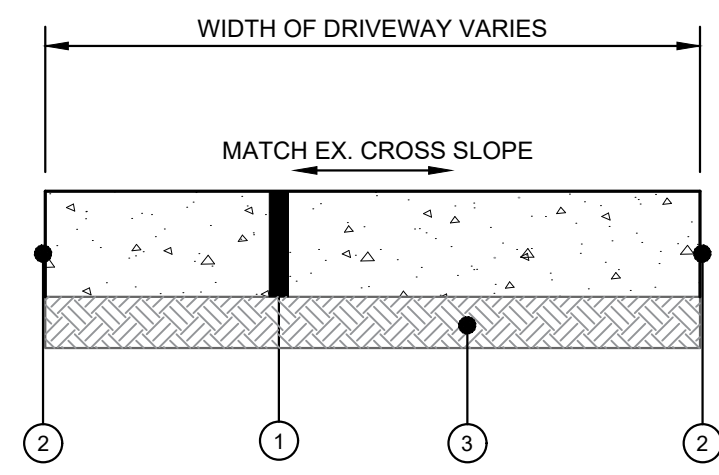


100' 0' 100'
 SCALE: 1" = 100'

- ① ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT
- ② ITEM 423 - SEALED PAVEMENT EDGE
- ③ ITEM 204 - COMPACTED SUBGRADE

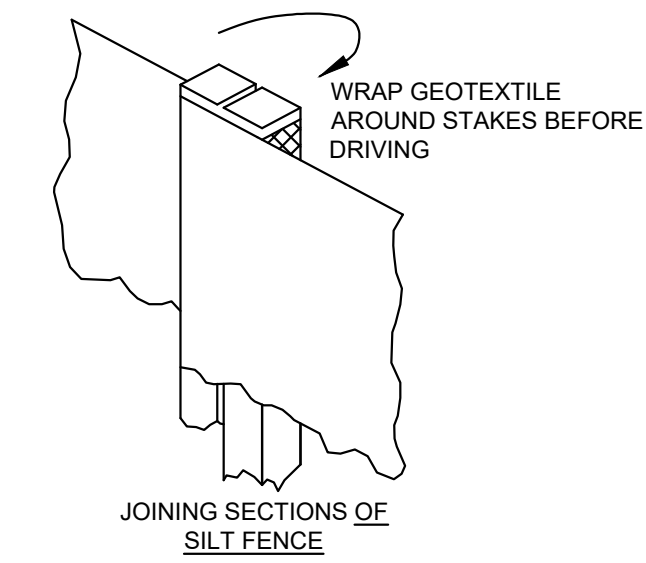
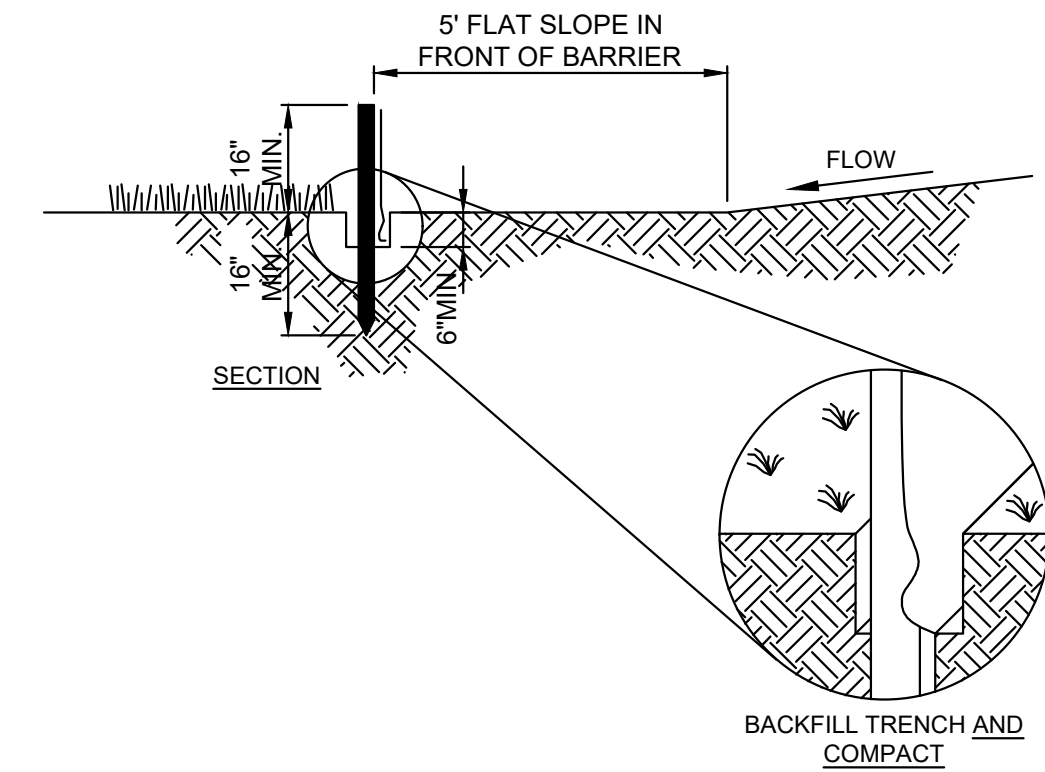
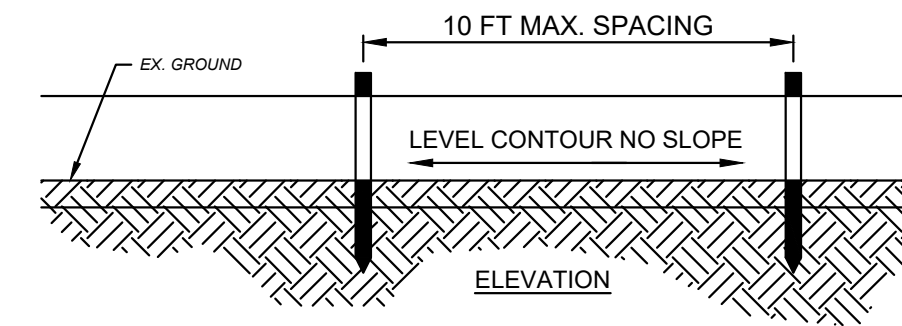
NOTES:

1. THE BID ITEM IS AN ALL-INCLUSIVE COST FOR THE COMPLETE REMOVAL AND CONSTRUCTION OF THE DRIVEWAY SECTIONS AS NOTED IN THE PLANS.
2. THE INTENT IS FOR THE HORIZONTAL LOCATION TO MATCH THE EXISTING DRIVEWAY, UNLESS OTHERWISE NOTED. THE FINAL LOCATIONS, ETC., MAY BE REVIEWED BY THE ENGINEER WHO MAY ADJUST THE LOCATION AT HIS DISCRETION.
- * 1'-6" - 2'-6" TRANSITION FROM STANDARD CURB HEIGHT TO DEPRESSED CURB.



ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 9" PLAIN PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL & REPLACEMENT

NTS



NOTES:

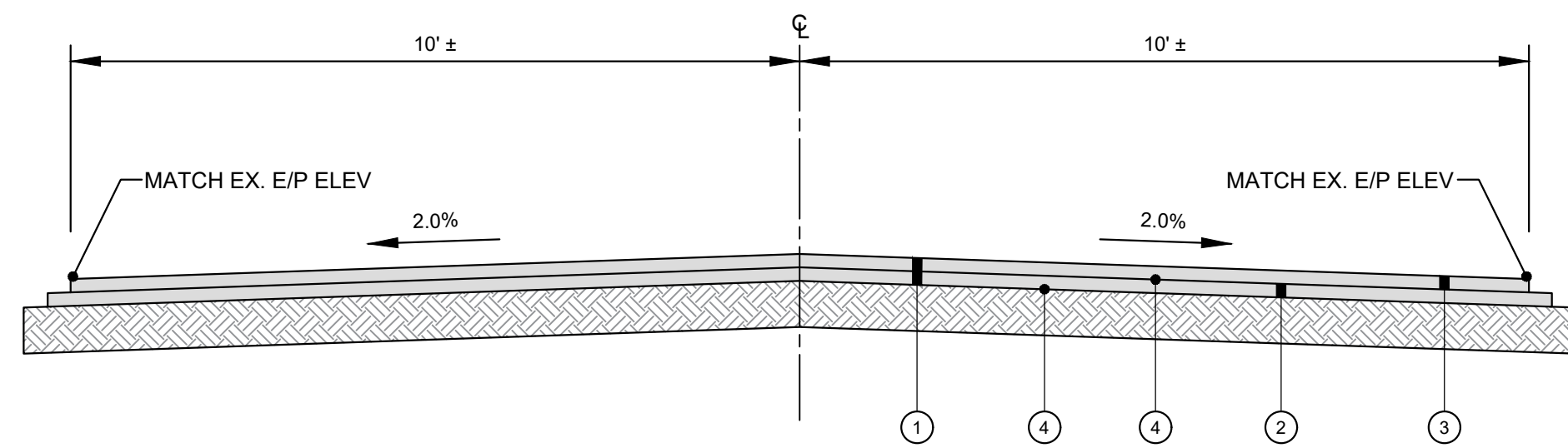
1. PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
2. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
 - CHANGE THE LAYOUT OF THE SILT FENCE.
 - REMOVE ACCUMULATED SEDIMENT.
 - INSTALL OTHER PRACTICES.

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

SILT FENCE

NTS

- ① ITEM 254 - 2.75" ASPHALT MILLING
- ② ITEM 441 - 1.5" ASPHALT INTERMEDIATE COURSE
- ③ ITEM 441 - 1.25" ASPHALT SURFACE
- ④ ITEM 407 - NON-TRACKING TACK COAT



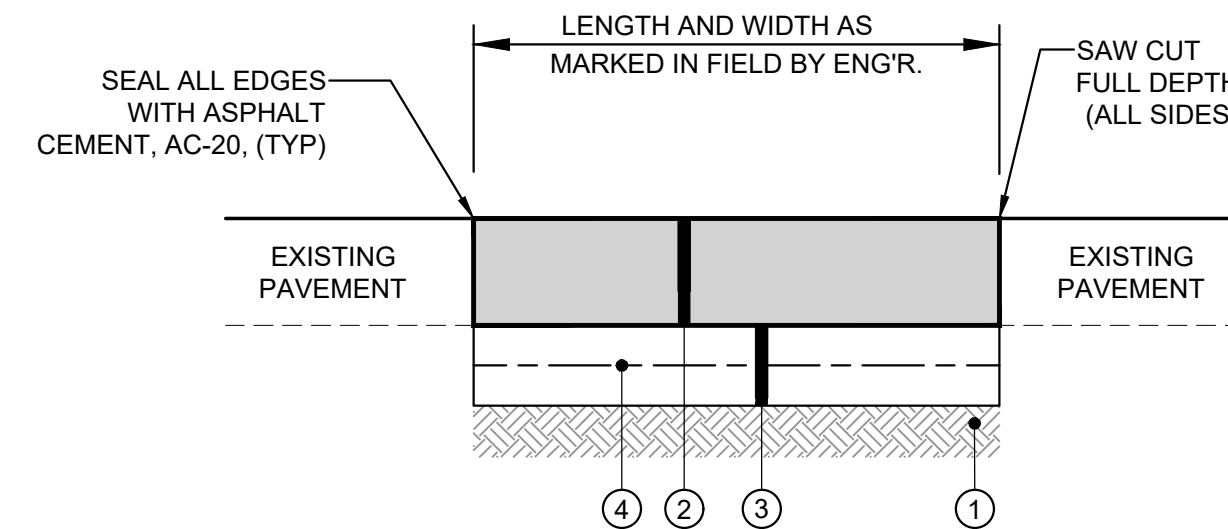
CHESTER RD MILL AND OVERLAY TYPICAL SECTION

N.T.S.

- ① ITEM 204 - COMPACTED SUBGRADE
- ② ITEM 301 - 8" ASPHALT BASE (2" - 4" LIFTS)
- ③ ITEM 203 - 12" GRANULATED EMBANKMENT TYPE B (2" - 6" LIFTS)
- ④ ITEM 712.15 - BIAXIAL GEOGRID

NOTES:

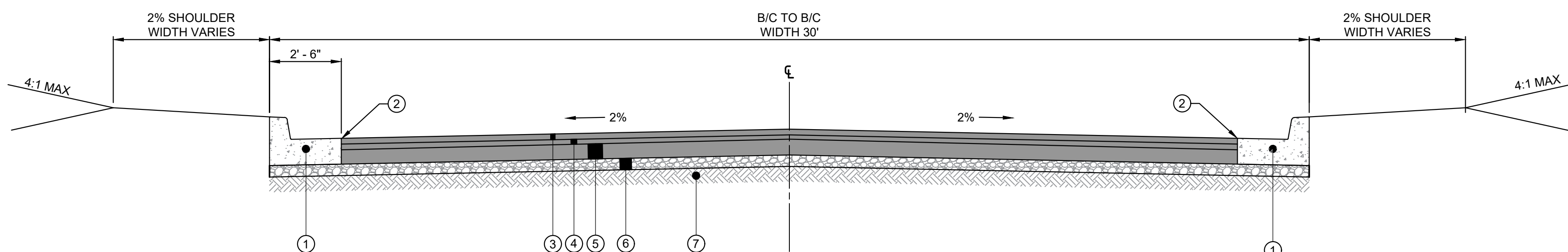
1. THE FINAL AREAS TO BE REPAIRED UNDER THIS ITEM WILL BE DESIGNATED IN THE FIELD BY THE ENGINEER AND THE QUANTITY OF WORK TO BE COVERED UNDER THIS ITEM WILL BE BASED UPON MEASUREMENT OF THESE DESIGNATED AREAS.



ITEM 204 - SUBGRADE STABILIZATION WITH GEOGRID

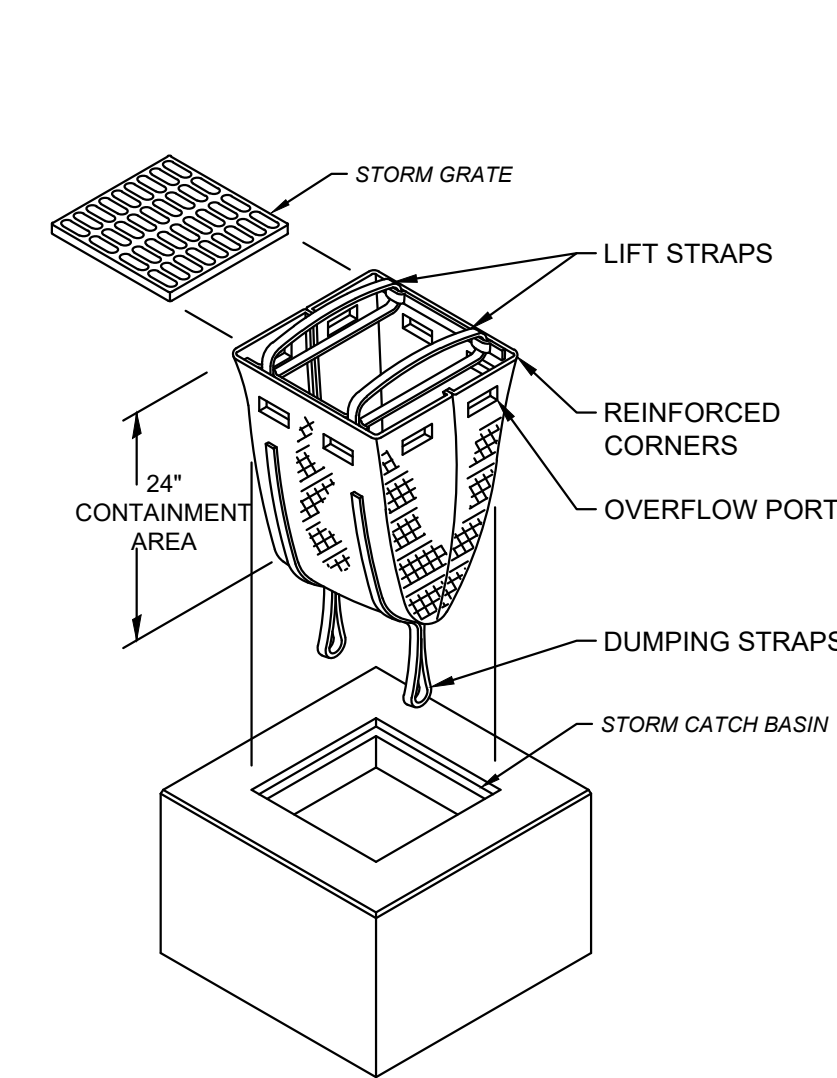
NTS

- ① ITEM 609 - CURB AND GUTTER, TYPE 2, AS PER PLAN
- ② ITEM 423 - SEALED PAVEMENT EDGE
- ③ ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22
- ④ ITEM 441 - 1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG 64-22
- ⑤ ITEM 301 - 4" BITUMINOUS AGGREGATE BASE
- ⑥ ITEM 304 - 6" CRUSHED LIMESTONE AGGREGATE BASE
- ⑦ ITEM 204 - COMPACTED SUBGRADE

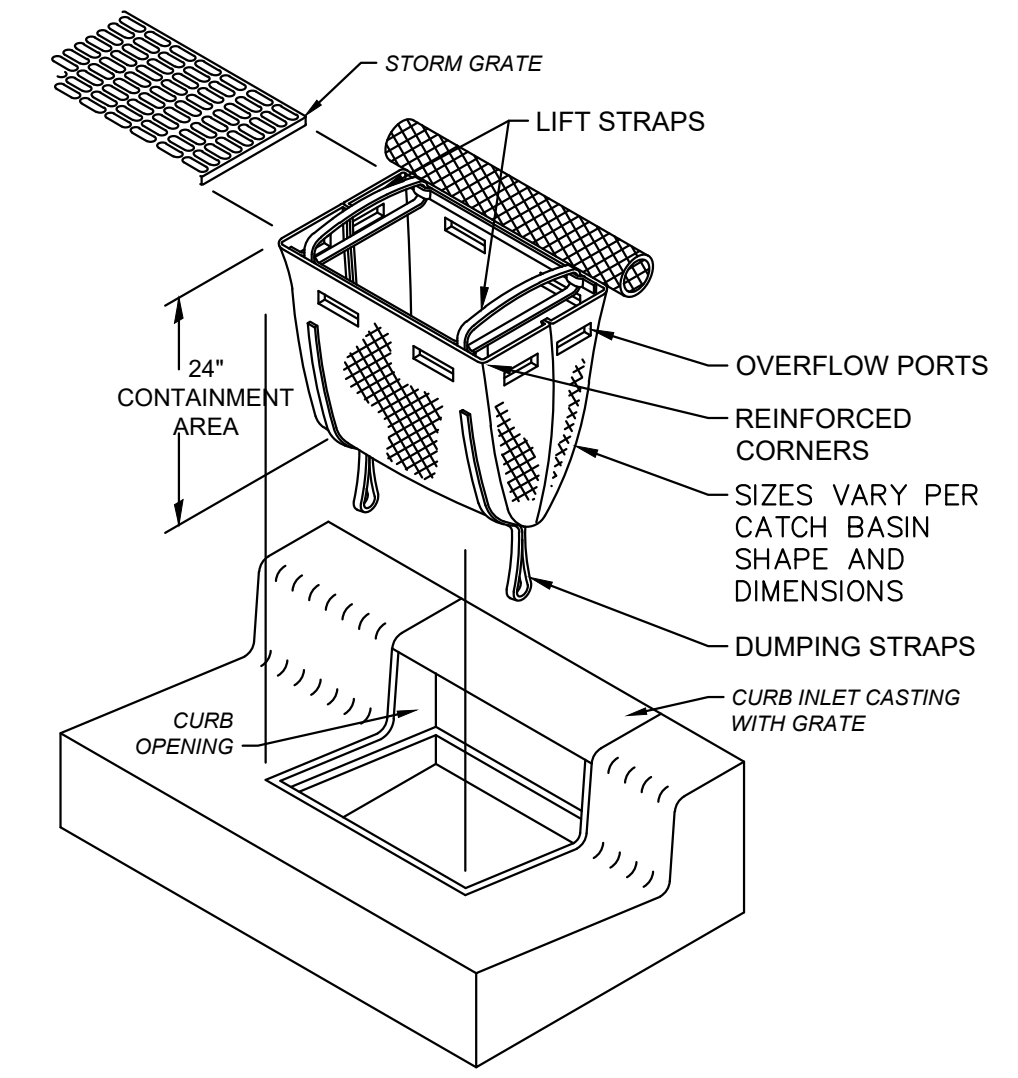


REDNA TERRACE TYPICAL SECTION

NTS



CATCH BASIN - ISOMETRIC VIEW
NTS



CURB INLET BASIN WITH GRATE
NTS

STORM DRAIN INLET PROTECTION DETAIL

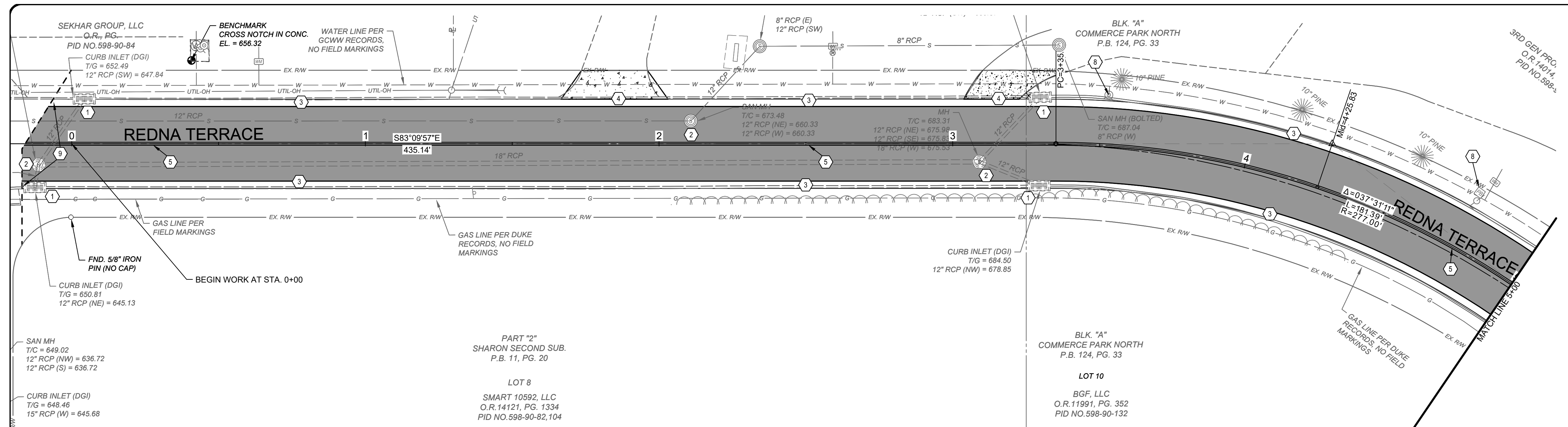


ISSUED FOR:	BID NO.	DATE
ISSUE DATE:	REVISION	
SCALE:		
DESIGNED BY:		
DRAWN BY:		
CHECKED BY:		

REDNA TERRACE AND CHESTER ROAD
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

DETAILS

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	DET01
SHEET	4
OF	21

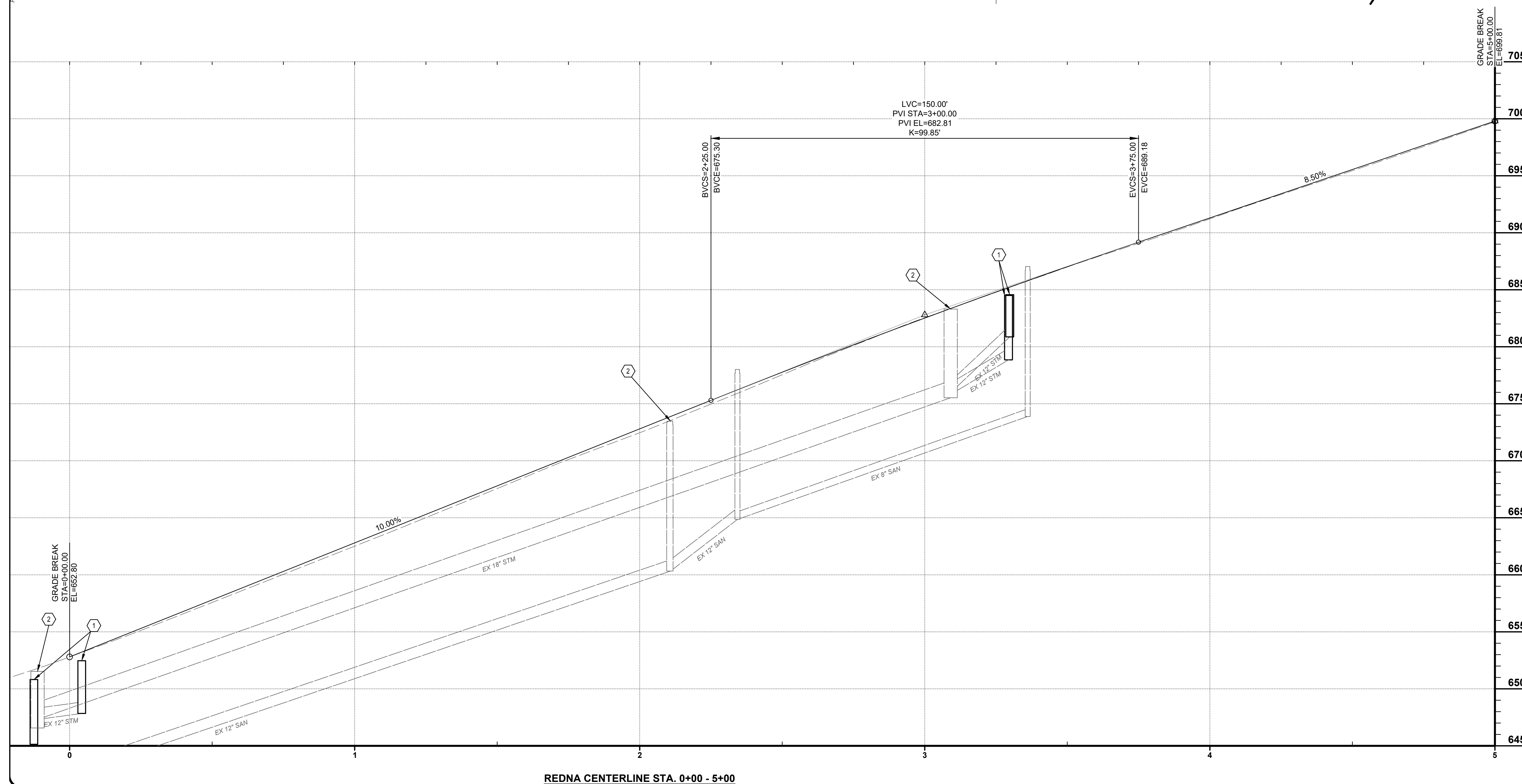


CONSTRUCTION LEGEND

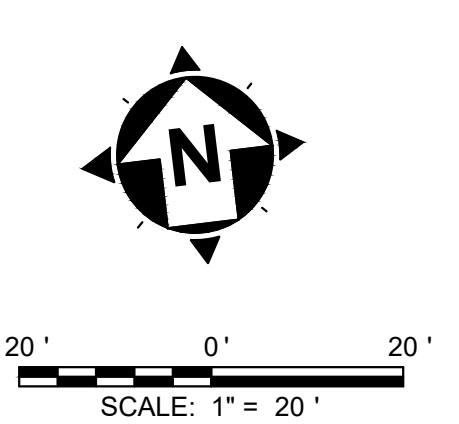
- 1 ITEM 611 - REBUILD CATCH BASIN TOP
- 2 ITEM 611 - ADJUST MH TO GRADE
- 3 ITEM 609 - TYPE 2 CURB, SEE DETAIL
- 4 ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- 5 ITEM 643 - CENTER LINE
- 6 ITEM 644 - 24" STOP BAR
- 7 EXISTING BOLLARD TO REMAIN
- 8 ADJUST TO GRADE
- 9 ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

- PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
- 2 1/2" MILL AND OVERLAY
- PROPOSED DRIVEWAY APRON REPLACEMENT

your trusted advisor
consultants
engineers
architects
planners



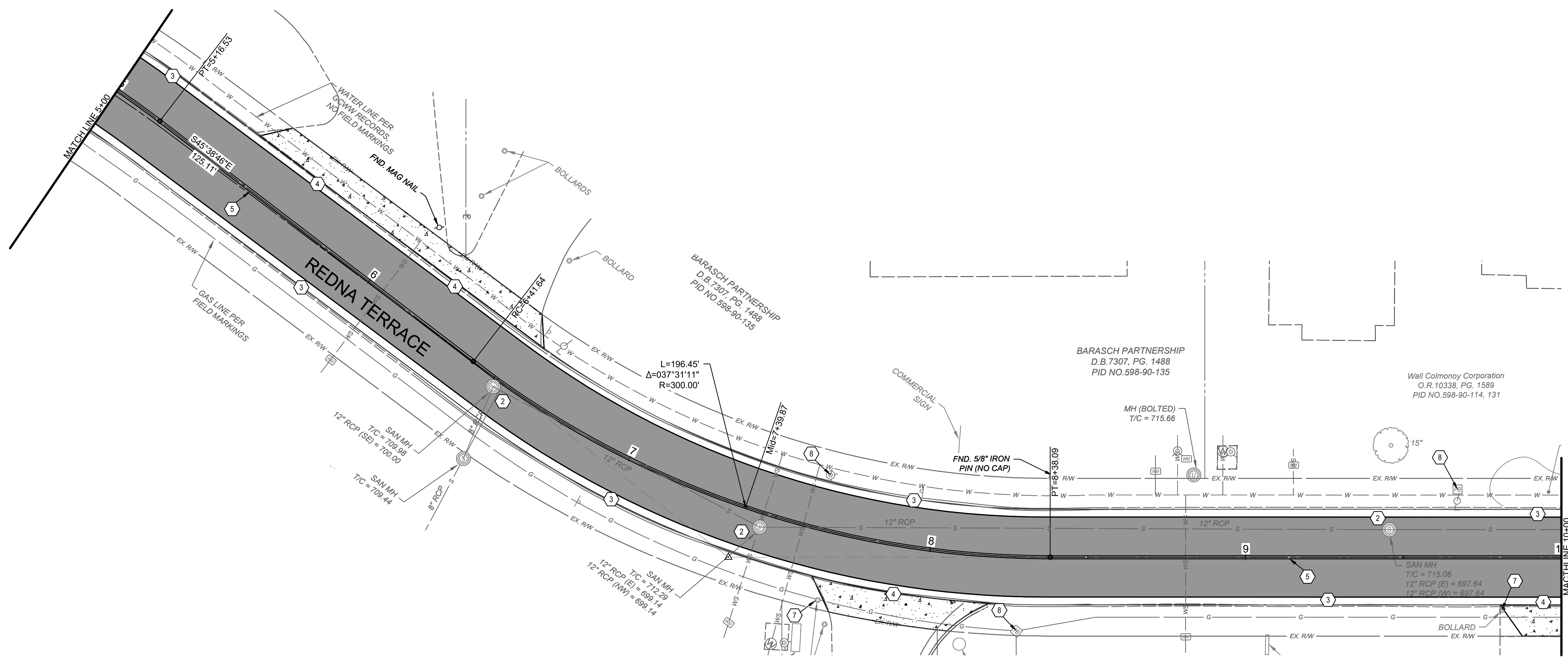
ISSUED FOR:	BID NO.	DATE
ISSUE DATE:	01/24/2024	
SCALE:	AS SHOWN	
DESIGNED BY:	MMARO	
DRAWN BY:	MMARO	
CHECKED BY:	MLAC	



**REDNA TERRACE AND
CHESTER ROAD**
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

STA 0+00 - 5+00

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	PLN01
SHEET	OF
5	21

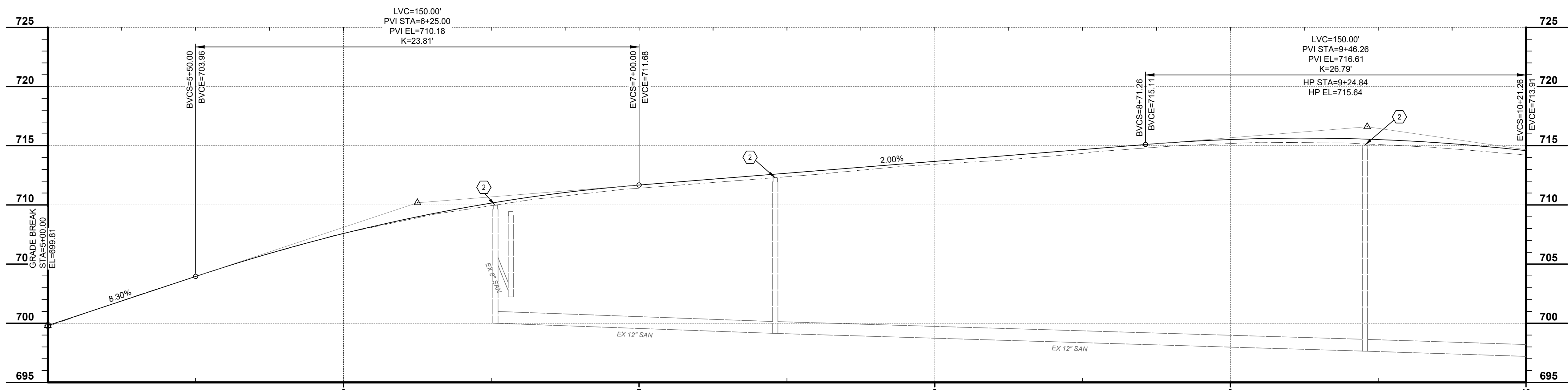


CONSTRUCTION LEGEND

- ① ITEM 611 - REBUILD CATCH BASIN TOP
- ② ITEM 611 - ADJUST MH TO GRADE
- ③ ITEM 609 - TYPE 2 CURB, SEE DETAIL
- ④ ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- ⑤ ITEM 643 - CENTER LINE
- ⑥ ITEM 644 - 24" STOP BAR
- ⑦ EXISTING BOLLARD TO REMAIN
- ⑧ ADJUST TO GRADE
- ⑨ ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

- PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
- 2 1/2" MILL AND OVERLAY
- PROPOSED DRIVEWAY APRON REPLACEMENT

your trusted advisor
consultants
 engineers
 architects
 planners

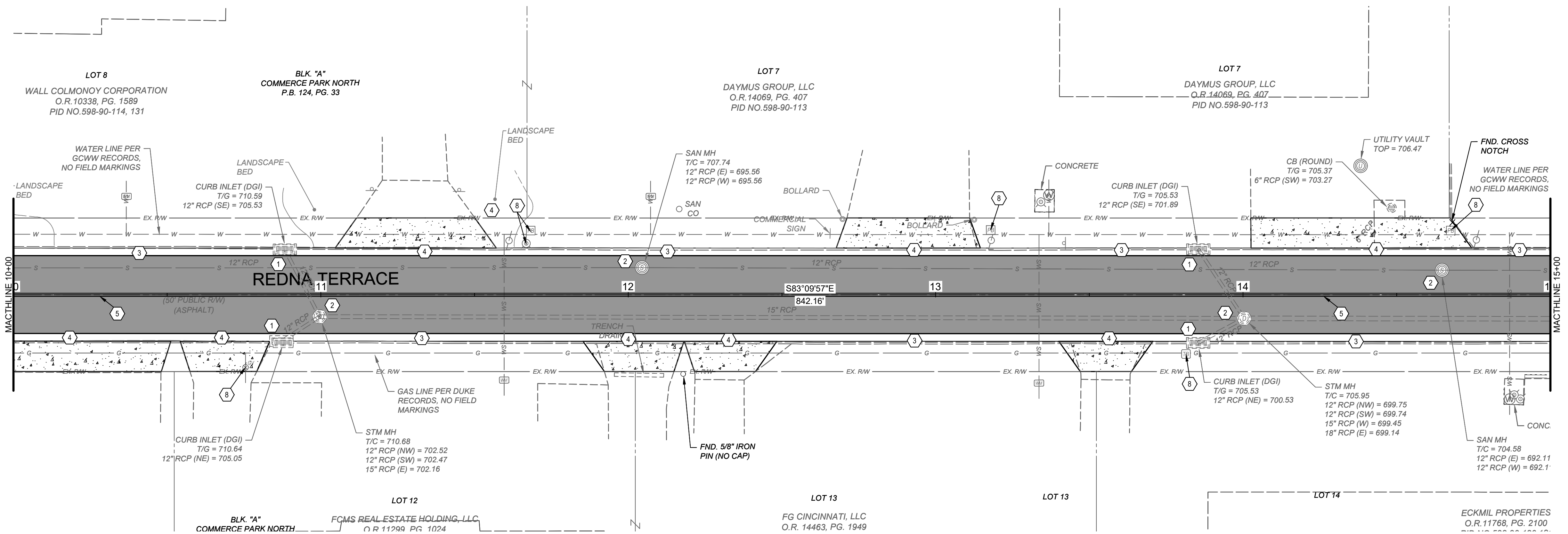


20' 0' 20'
 SCALE: 1" = 20'

ISSUED FOR:	BID NO.	DATE
ISSUE DATE: 01/24/2024		
SCALE: AS SHOWN		
DESIGNED BY: MMARO		
DRAWN BY: MMARO		
CHECKED BY: MLAC		

**REDNA TERRACE AND
 CHESTER ROAD**
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
STA 5+00 - 10+00

PROJECT NO. 220619	
DISCIPLINE CIVIL	
SHEET NAME PLN02	
SHEET 6	OF 21

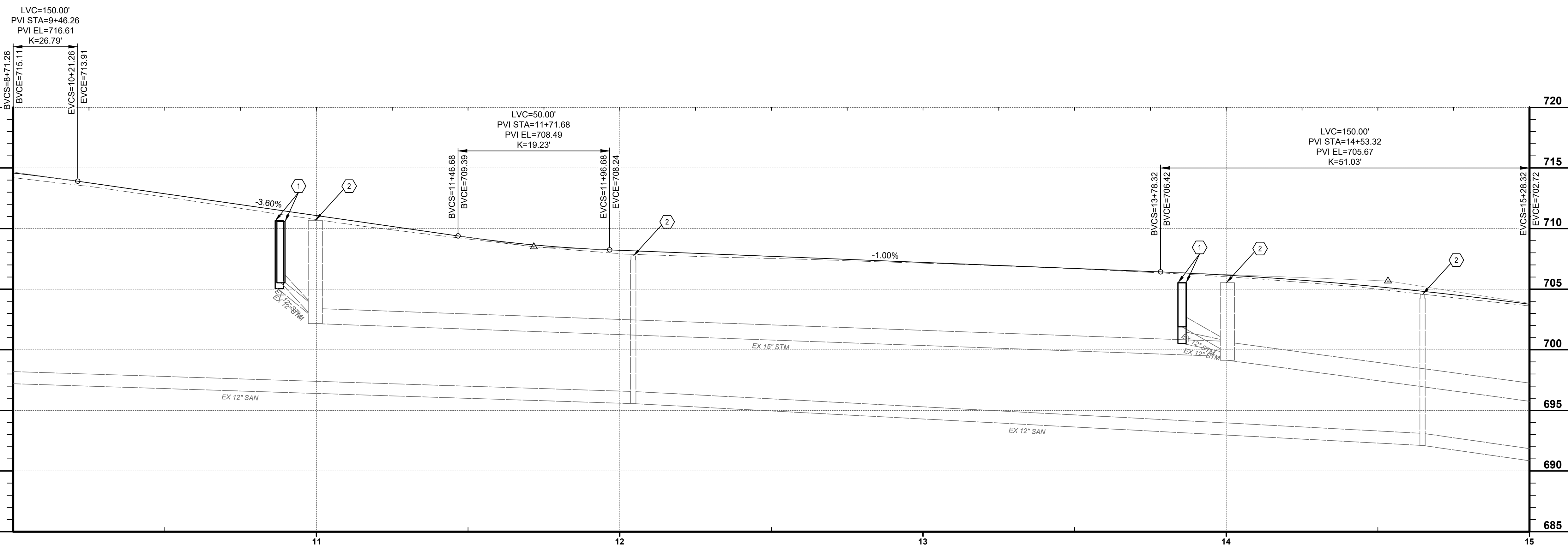


CONSTRUCTION LEGEND

- ① ITEM 611 - REBUILD CATCH BASIN TOP
- ② ITEM 611 - ADJUST MH TO GRADE
- ③ ITEM 609 - TYPE 2 CURB, SEE DETAIL
- ④ ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- ⑤ ITEM 643 - CENTER LINE
- ⑥ ITEM 644 - 24" STOP BAR
- ⑦ EXISTING BOLLARD TO REMAIN
- ⑧ ADJUST TO GRADE
- ⑨ ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

- PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
- 2 1/2" MILL AND OVERLAY
- PROPOSED DRIVEWAY APRON REPLACEMENT

Your trusted advisor
consultants
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architects
planners

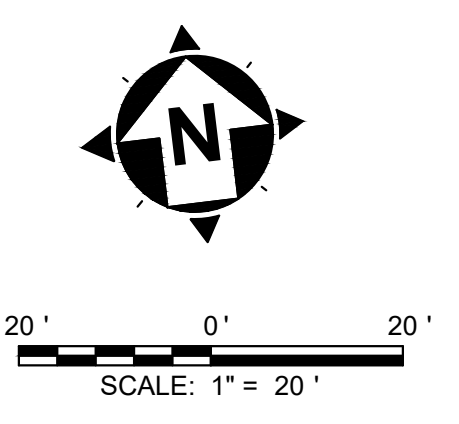


DATE	REVISION	NO	BID	ISSUED FOR:
			01/24/2024	AS SHOWN
				MMARO
				MMARO
				MLAC

REDNA TERRACE AND CHESTER ROAD
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

STA 10+00 - 15+00

PROJECT NO.		220619
DISCIPLINE		CIVIL
SHEET NAME		PLN03
SHEET	OF	
7	21	

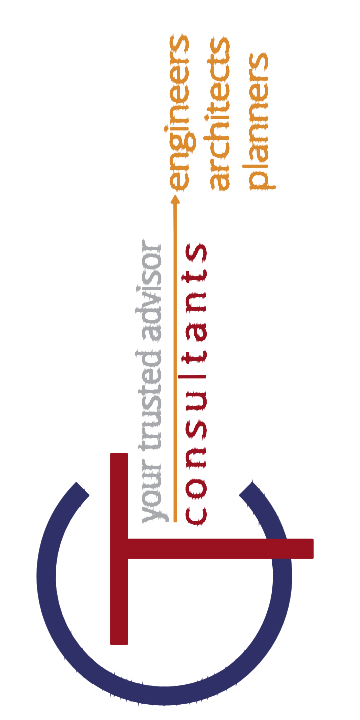


REDNA CENTERLINE ST 10+00 - 15+00

CONSTRUCTION LEGEND

- ① ITEM 611 - REBUILD CATCH BASIN TOP
- ② ITEM 611 - ADJUST MH TO GRADE
- ③ ITEM 609 - TYPE 2 CURB, SEE DETAIL
- ④ ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- ⑤ ITEM 643 - CENTER LINE
- ⑥ ITEM 644 - 24" STOP BAR
- ⑦ EXISTING BOLLARD TO REMAIN
- ⑧ ADJUST TO GRADE
- ⑨ ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

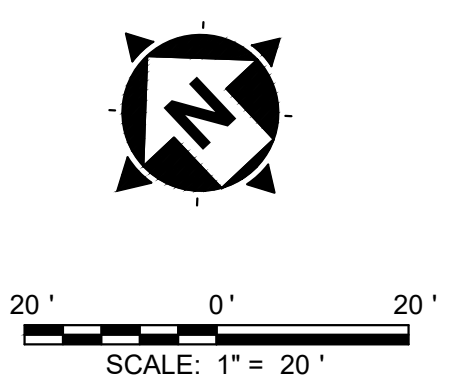
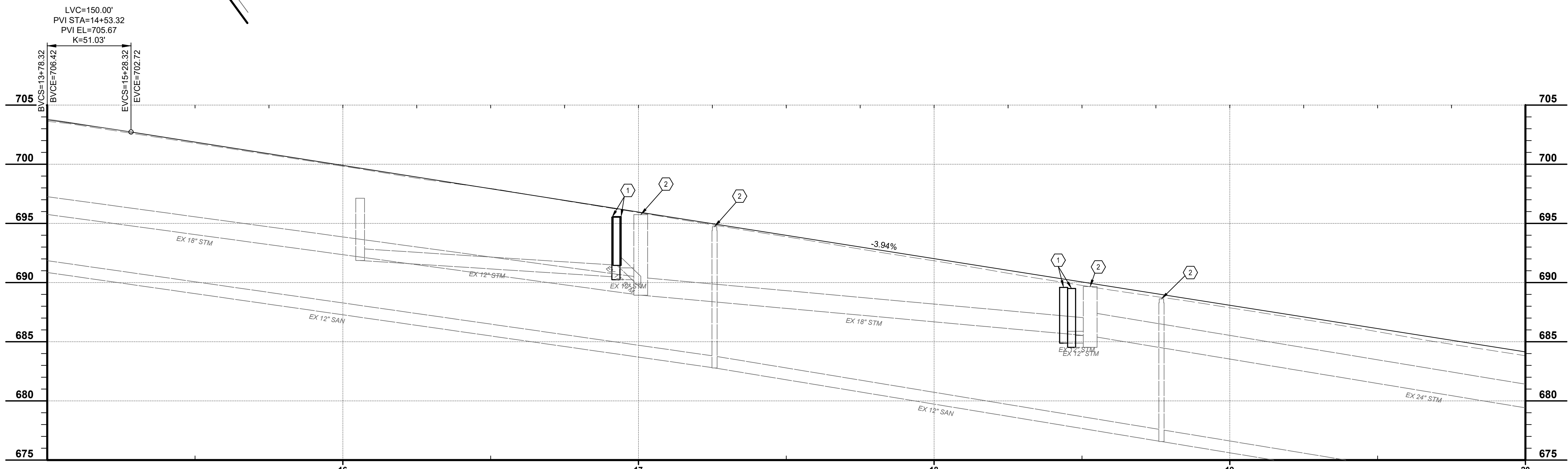
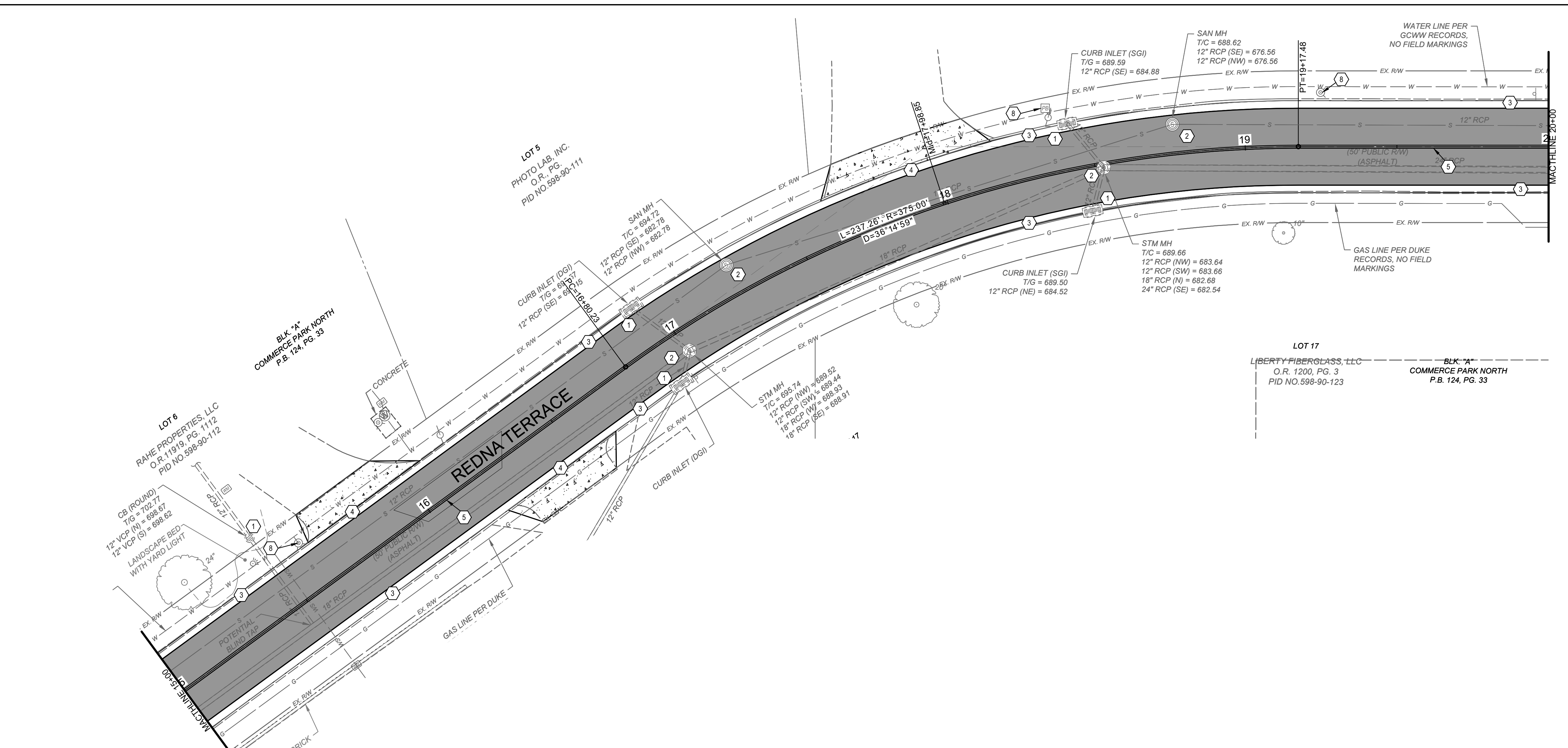
- PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
- 2 1/2" MILL AND OVERLAY
- PROPOSED DRIVEWAY APRON REPLACEMENT



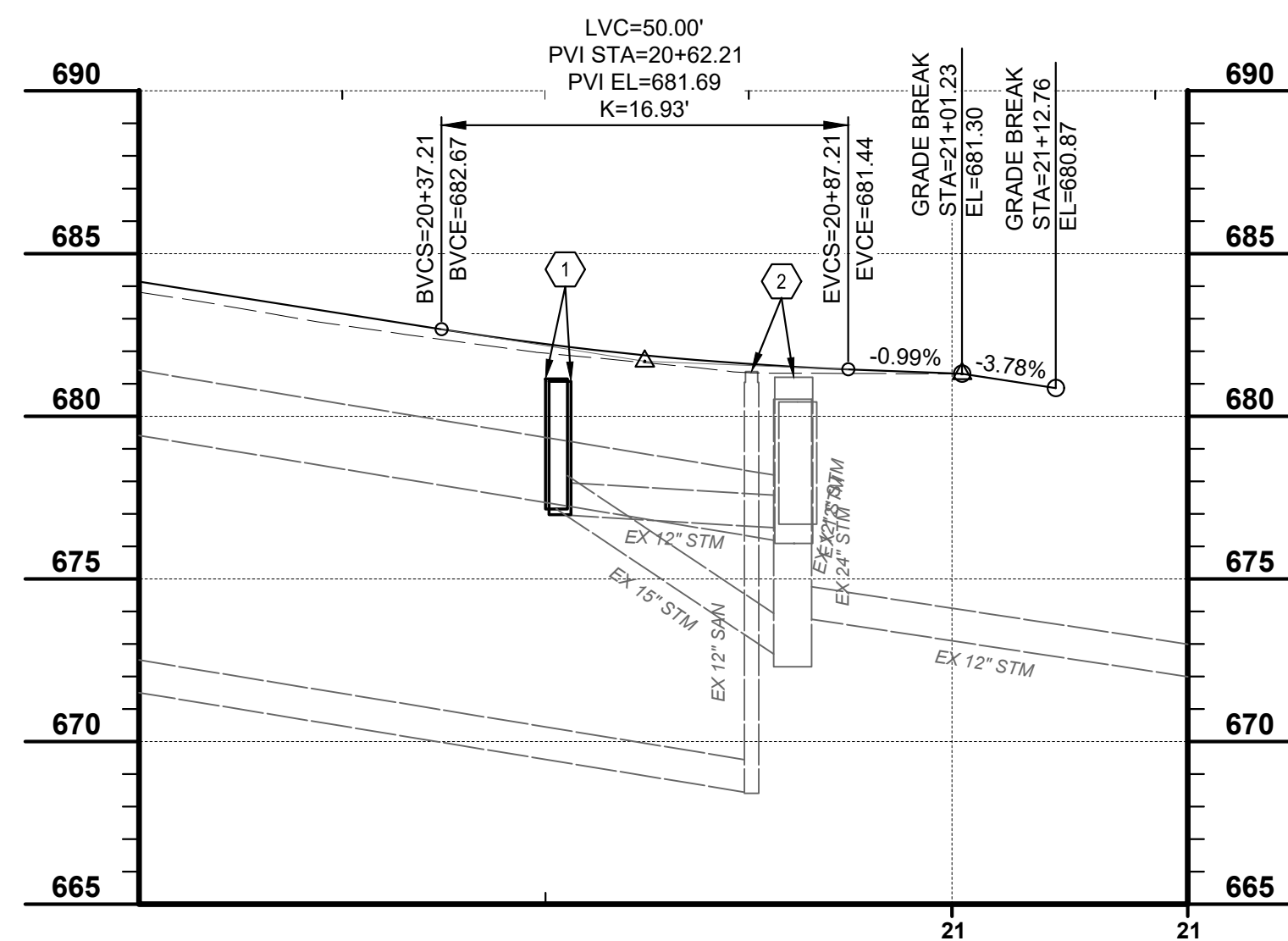
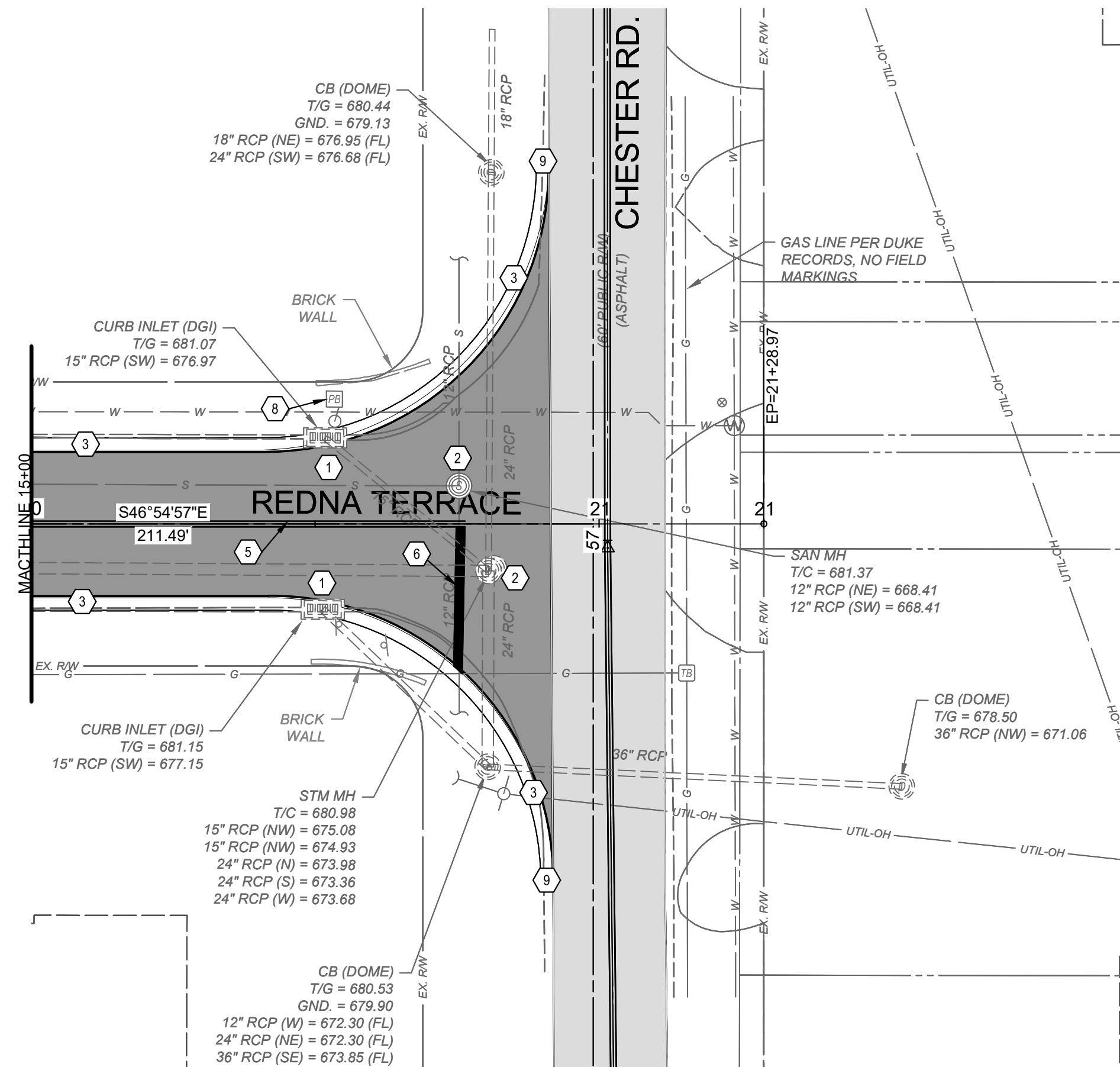
ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 01/24/2024			
SCALE: AS SHOWN			
DESIGNED BY: MMARO			
DRAWN BY: MMARO			
CHECKED BY: MLAC			

REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
 STA 15+00 -20+00

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	PLN04
SHEET	8
OF	21



REDNA CENTERLINE STA. 15+00 - 20+00



REDNA CENTERLINE STA. 20+00 - 21+00

CONSTRUCTION LEGEND

- ① ITEM 611 - REBUILD CATCH BASIN TOP
- ② ITEM 611 - ADJUST MH TO GRADE
- ③ ITEM 609 - TYPE 2 CURB, SEE DETAIL
- ④ ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- ⑤ ITEM 643 - CENTER LINE
- ⑥ ITEM 644 - 24" STOP BAR
- ⑦ EXISTING BOLLARD TO REMAIN
- ⑧ ADJUST TO GRADE
- ⑨ ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

- PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
- 2 1/2" MILL AND OVERLAY
- PROPOSED DRIVEWAY APRON REPLACEMENT

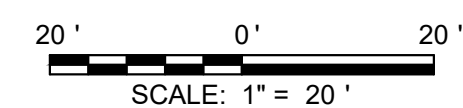
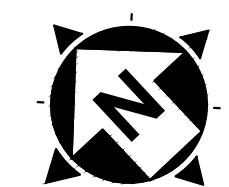


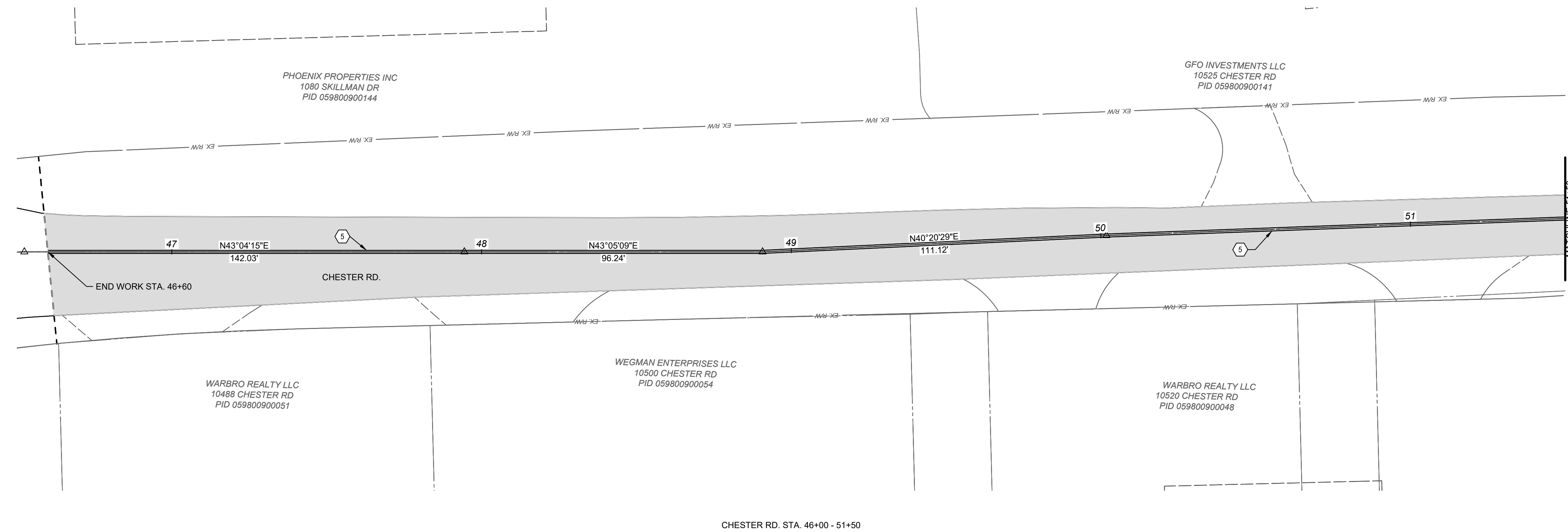
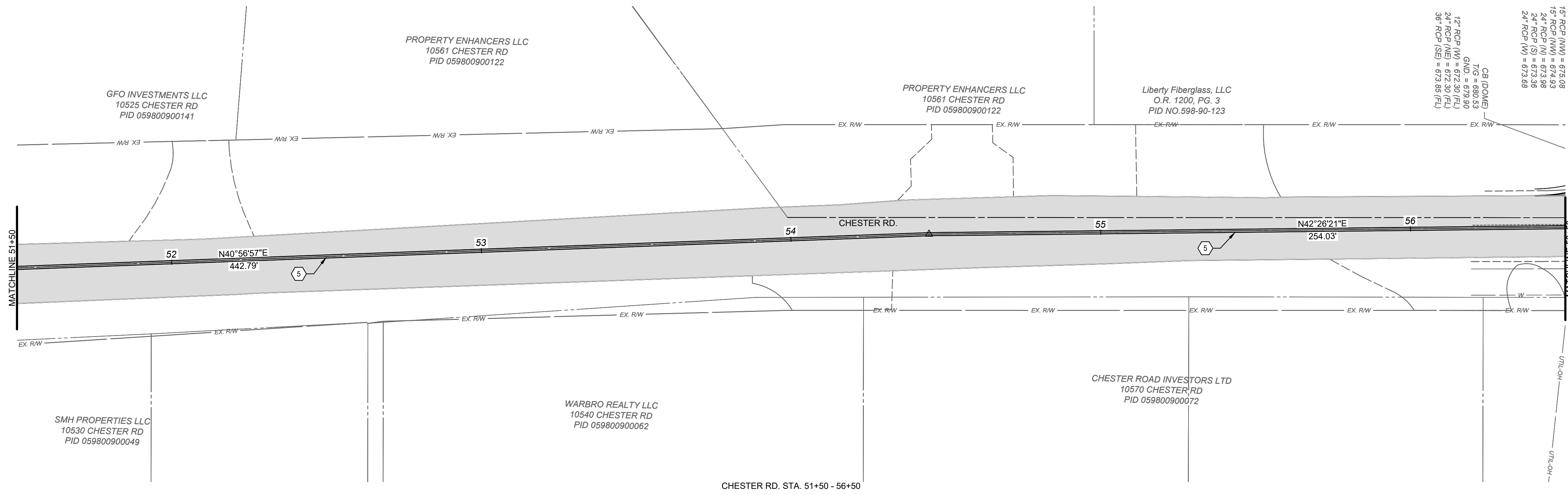
ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	01/24/2024		
SCALE:	AS SHOWN		
DESIGNED BY:	MMARO		
DRAWN BY:	MMARO		
CHECKED BY:	MLAC		

**REDNA TERRACE AND
CHESTER ROAD**
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

STA 20+00 - END

PROJECT NO.		220619
DISCIPLINE		CIVIL
SHEET NAME		PLN05
SHEET	OF	
9	21	

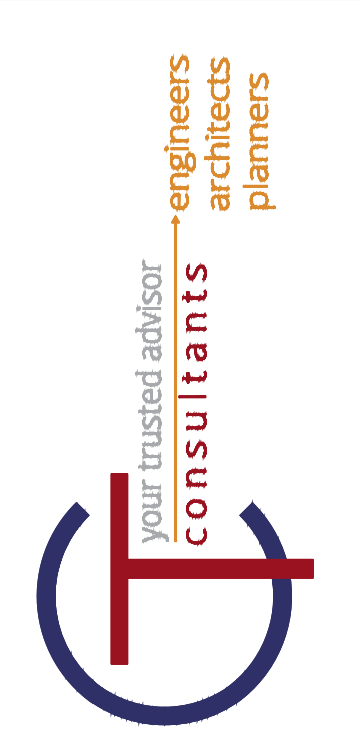




CONSTRUCTION LEGEND

- 1 ITEM 611 - REBUILD CATCH BASIN TOP
- 2 ITEM 611 - ADJUST MH TO GRADE
- 3 ITEM 609 - TYPE 2 CURB, SEE DETAIL
- 4 ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- 5 ITEM 643 - CENTER LINE
- 6 ITEM 644 - 24" STOP BAR
- 7 EXISTING BOLLARD TO REMAIN
- 8 ADJUST TO GRADE
- 9 ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

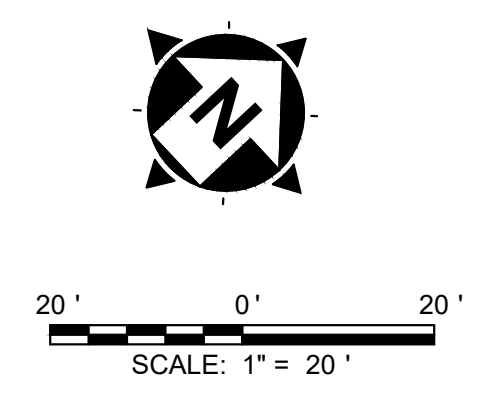
PROPOSED FULL DEPTH PAVEMENT REPLACEMENT
 2 1/2" MILL AND OVERLAY
 PROPOSED DRIVEWAY APRON REPLACEMENT

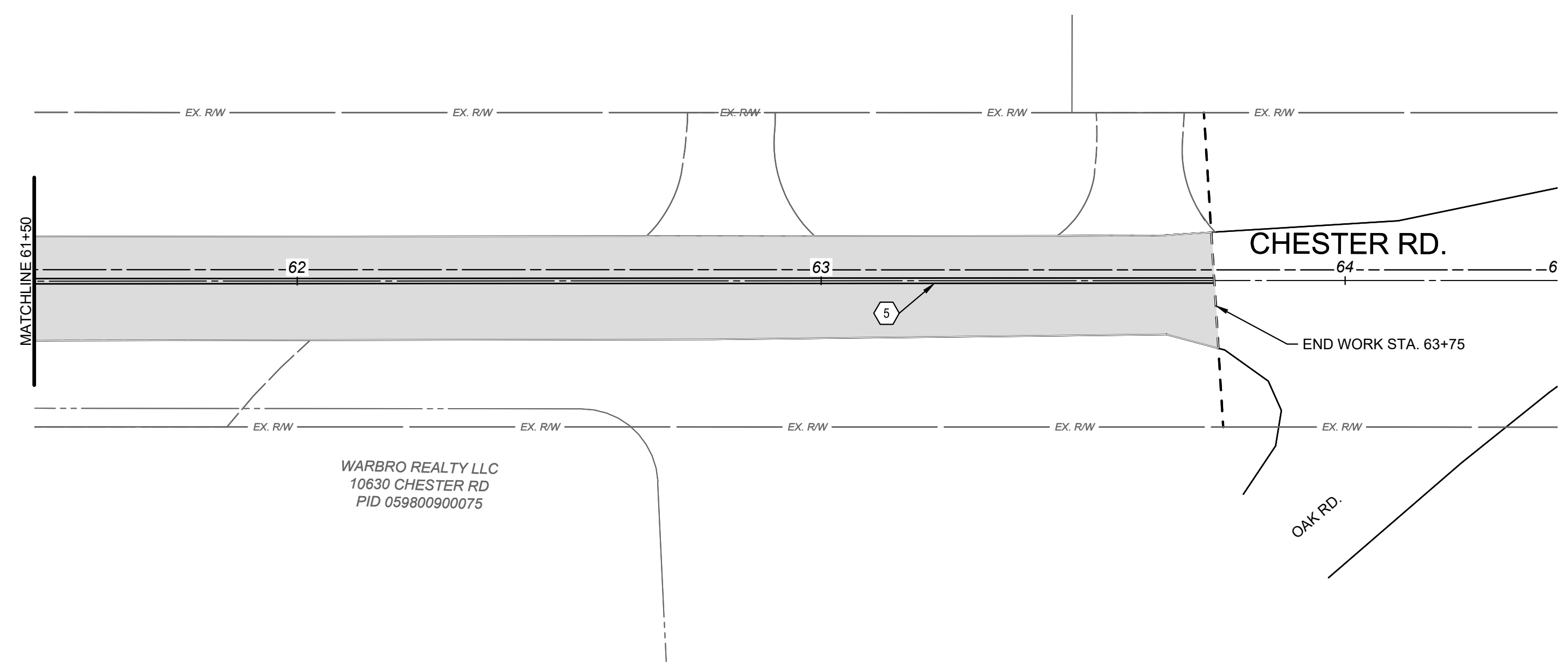


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ISSUE DATE: 01/24/2024		
SCALE: AS SHOWN		
DESIGNED BY: MMARO		
DRAWN BY: MMARO		
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REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
CHESTER RD. 46+00 - 56+50

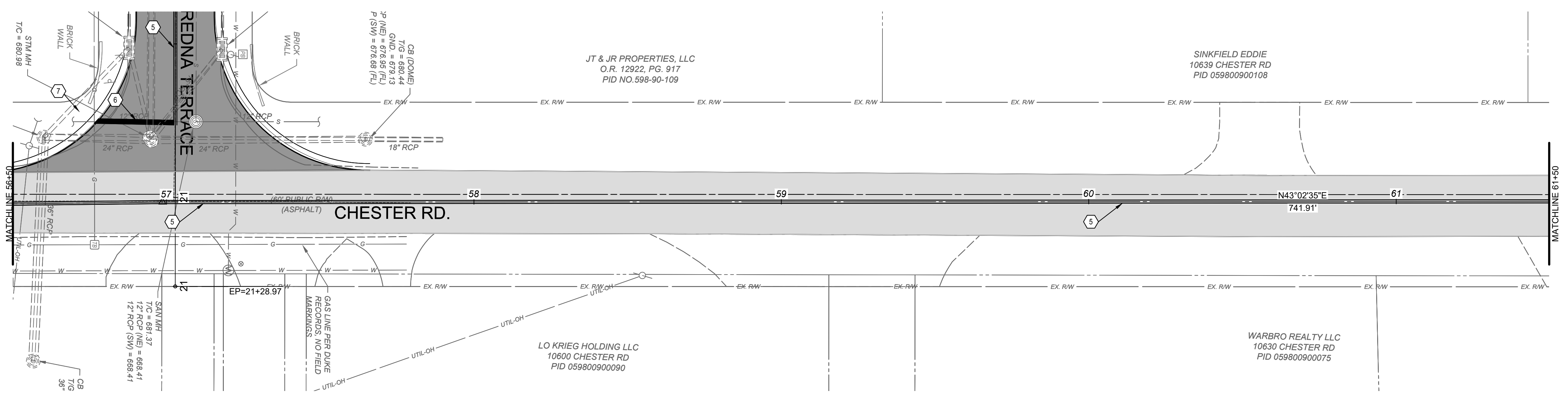
PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	PLN06
SHEET	OF
10	21





WARBRO REALTY LLC
10630 CHESTER RD
PID 059800900075

CHESTER RD. STA. 61+50 - END



JT & JR PROPERTIES, LLC
O.R. 12922, PG. 917
PID NO. 598-90-109

SINKFIELD EDDIE
10639 CHESTER RD
PID 059800900108

LO KRIEG HOLDING LLC
10600 CHESTER RD
PID 059800900090

WARBRO REALTY LLC
10630 CHESTER RD
PID 059800900075

CHESTER RD. STA. 56+50 - 61+50

CONSTRUCTION LEGEND

- ① ITEM 611 - REBUILD CATCH BASIN TOP
- ② ITEM 611 - ADJUST MH TO GRADE
- ③ ITEM 609 - TYPE 2 CURB, SEE DETAIL
- ④ ITEM 609 - TYPE 2 DEPRESSED CURB OVER DRIVE, SEE DETAIL
- ⑤ ITEM 643 - CENTER LINE
- ⑥ ITEM 644 - 24" STOP BAR
- ⑦ EXISTING BOLLARD TO REMAIN
- ⑧ ADJUST TO GRADE
- ⑨ ITEM 609 - TRANSITION TO MATCH EXISTING CURB OVER 5'

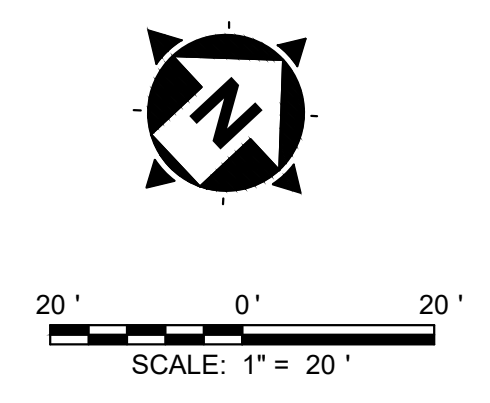
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 2 1/2" MILL AND OVERLAY
 PROPOSED DRIVEWAY APRON REPLACEMENT

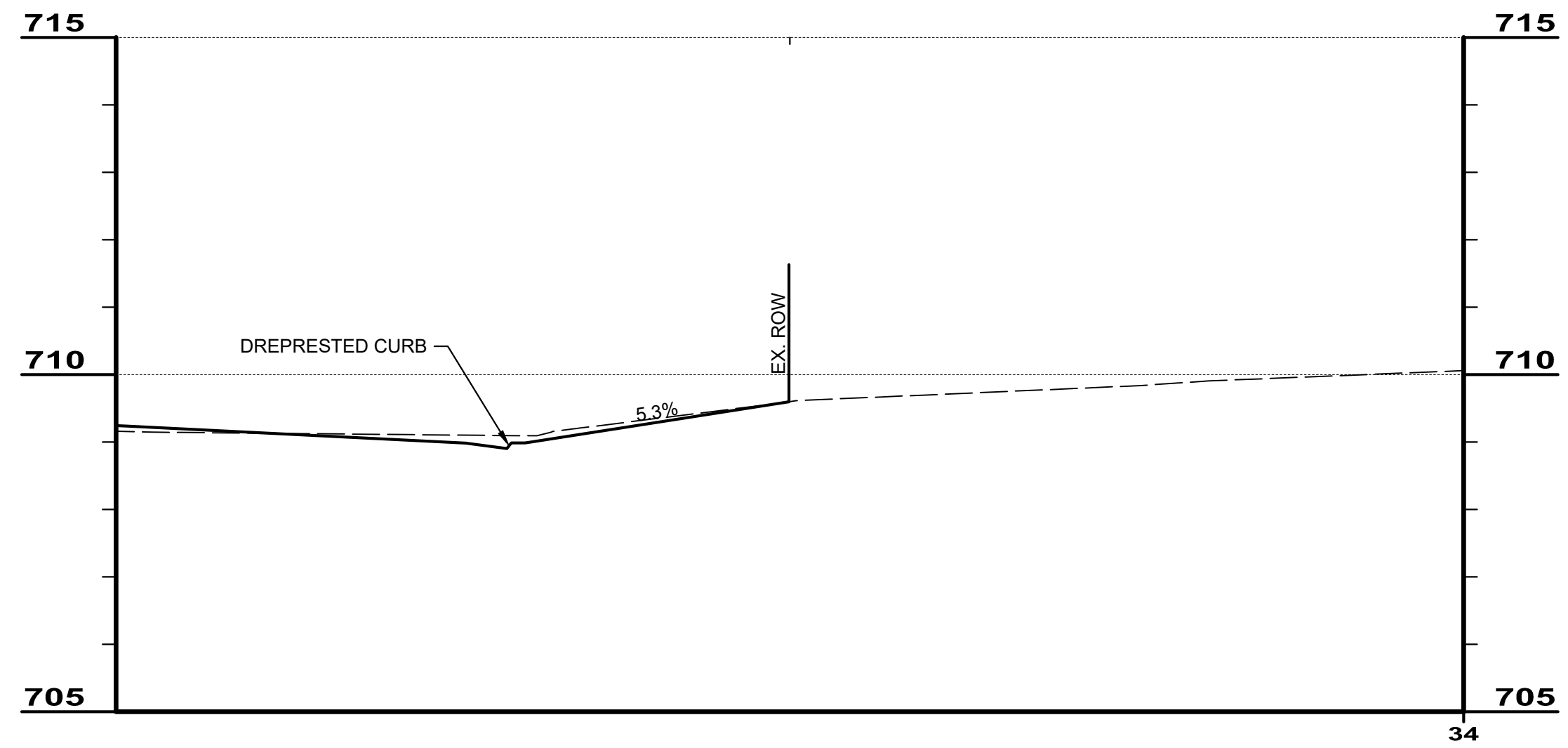


ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	01/24/2024		
SCALE:	AS SHOWN		
DESIGNED BY:	MMARO		
DRAWN BY:	MMARO		
CHECKED BY:	MLAC		

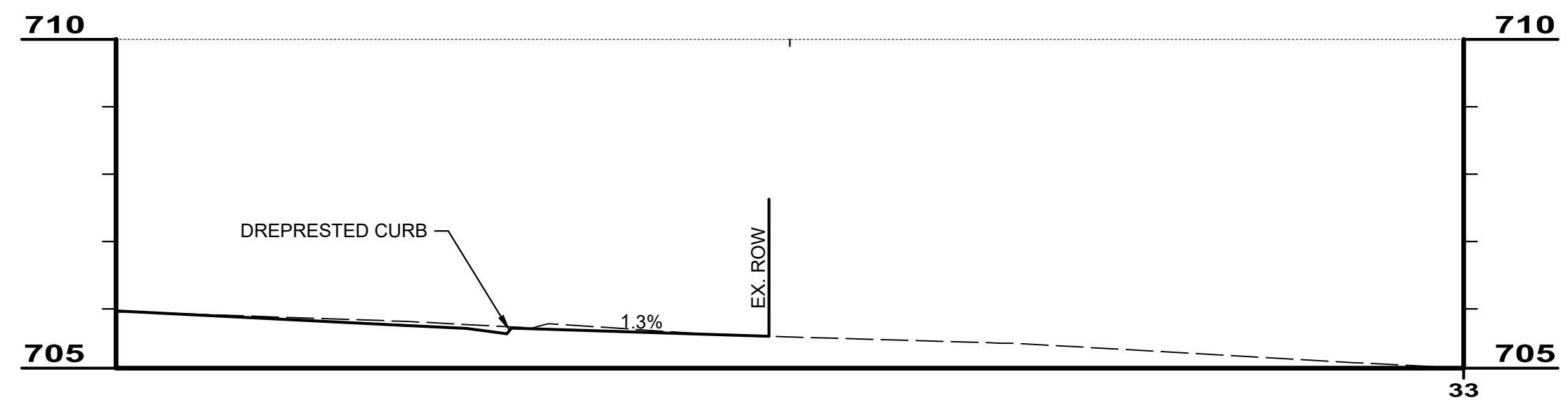
REDNA TERRACE AND CHESTER ROAD
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
CHESTER RD 56+50 - END

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	PLN07
SHEET	OF
11	21

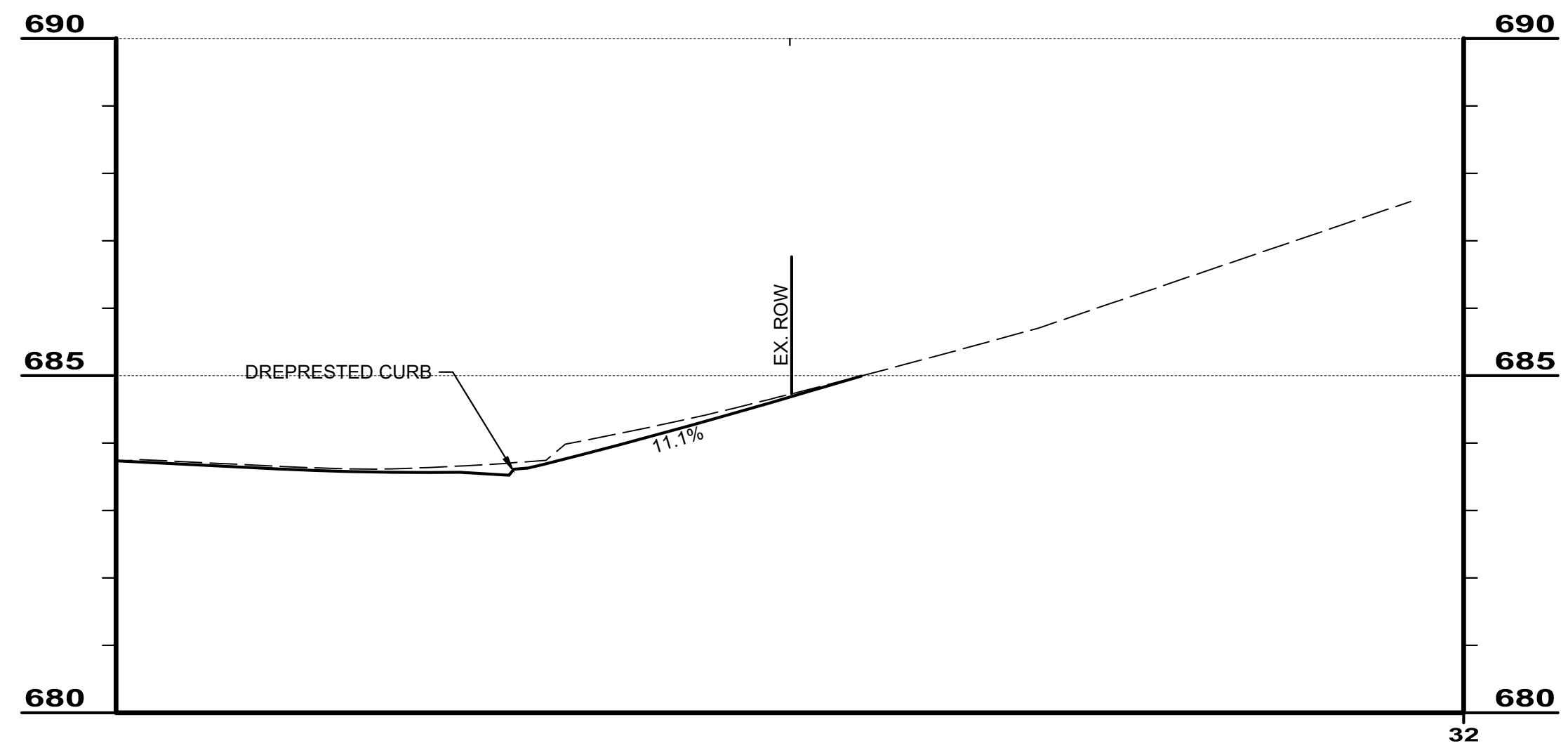




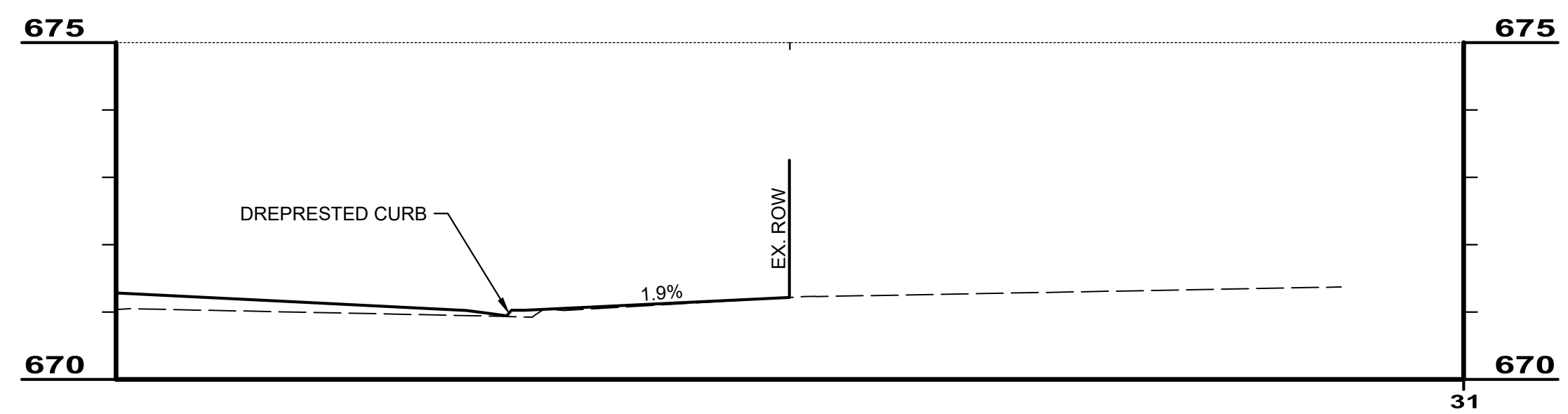
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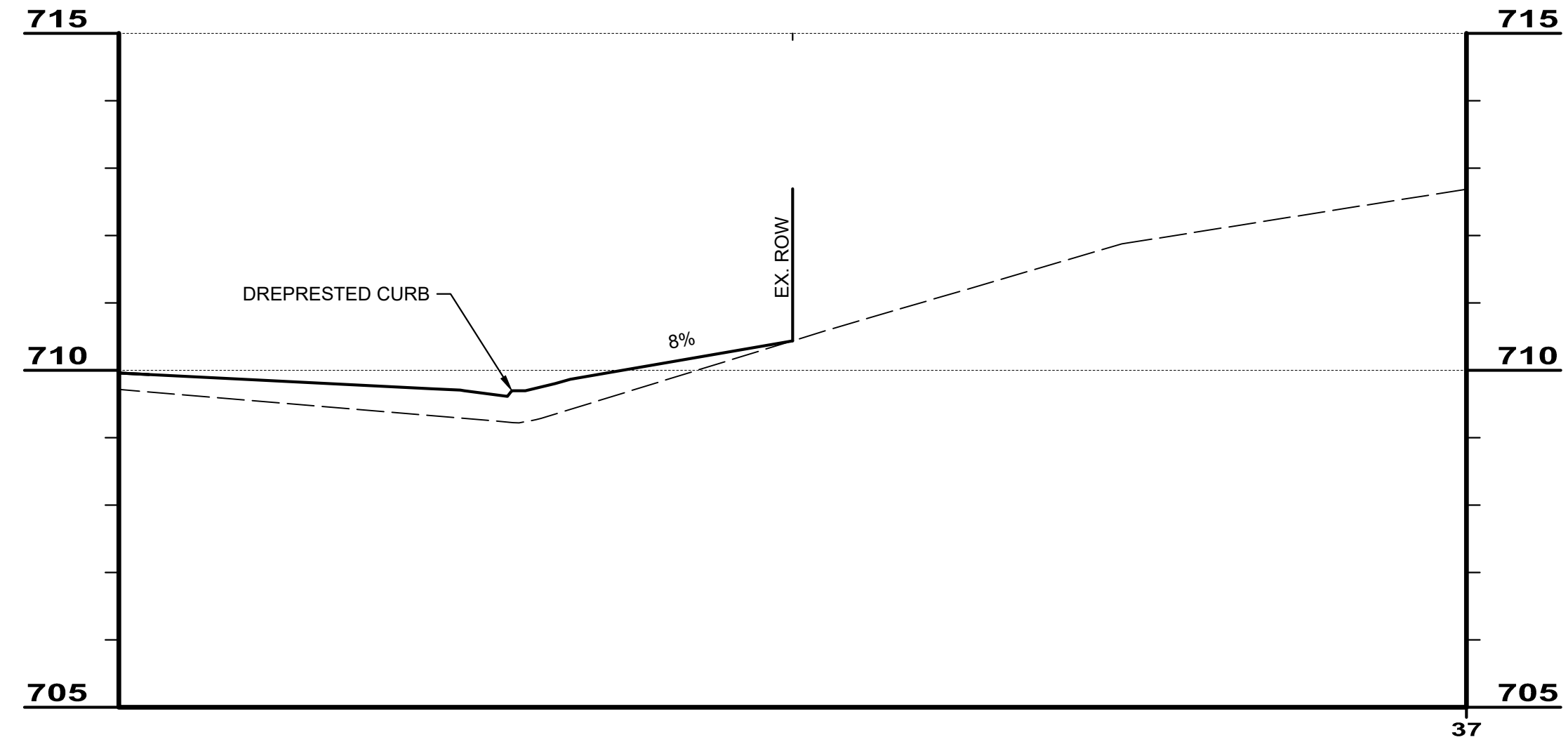
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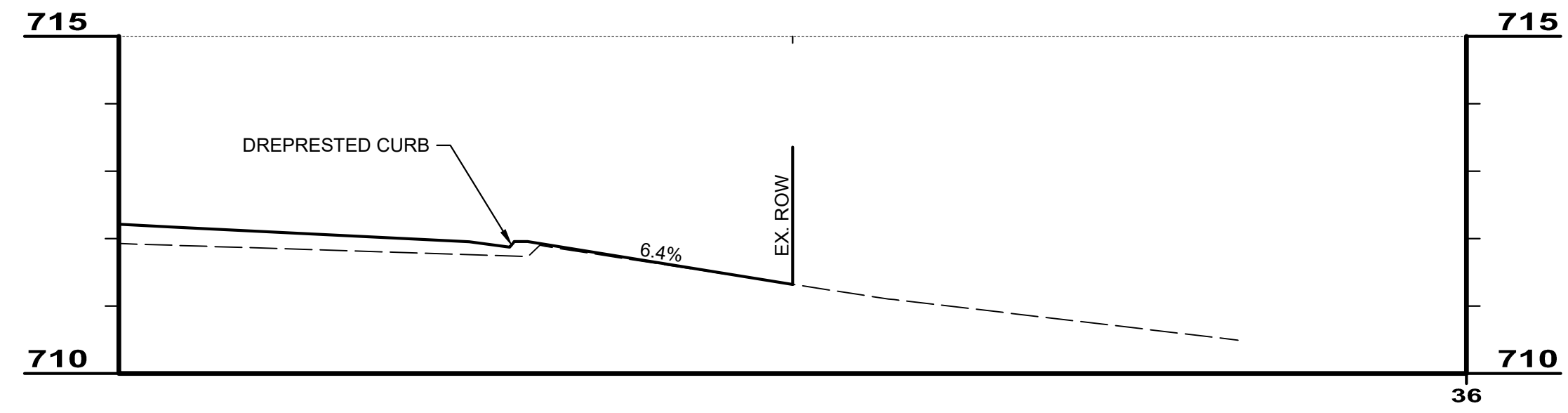
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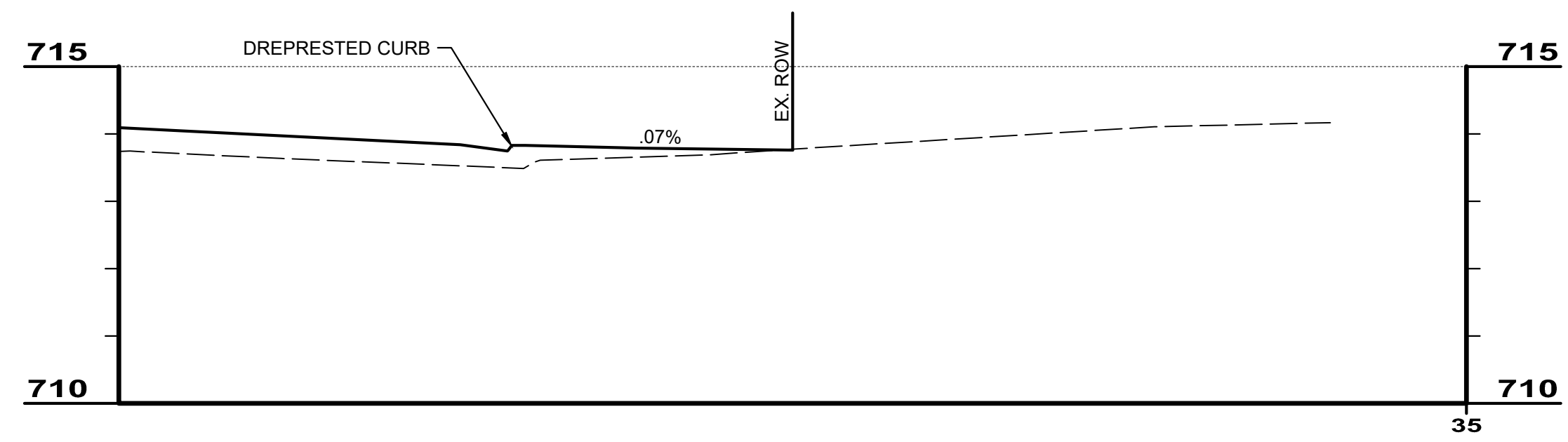
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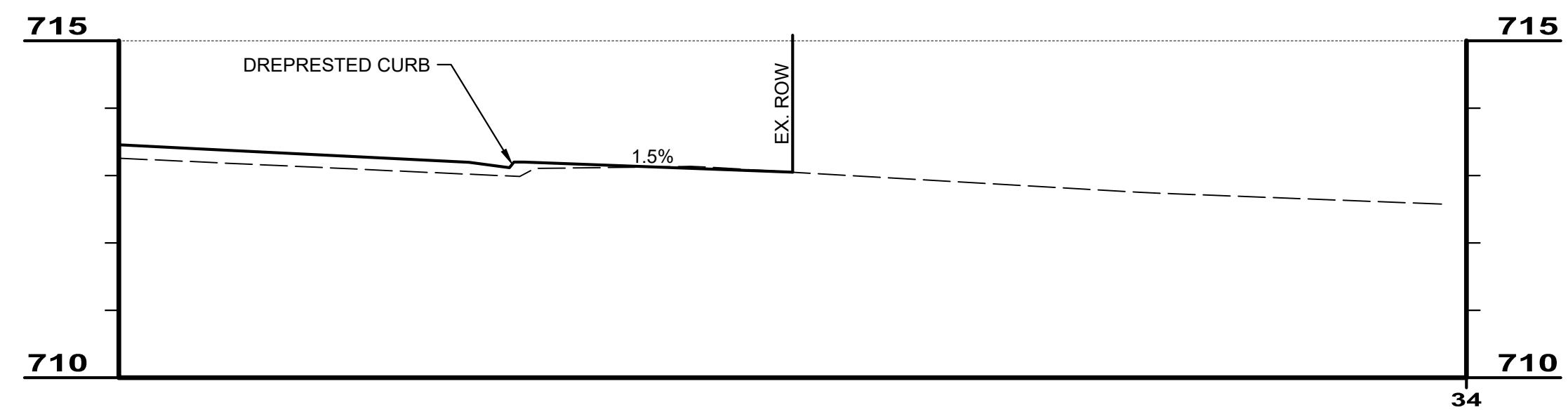
DRIVE STA 11+31



DRIVE STA 10+68



DRIVE STA 10+16



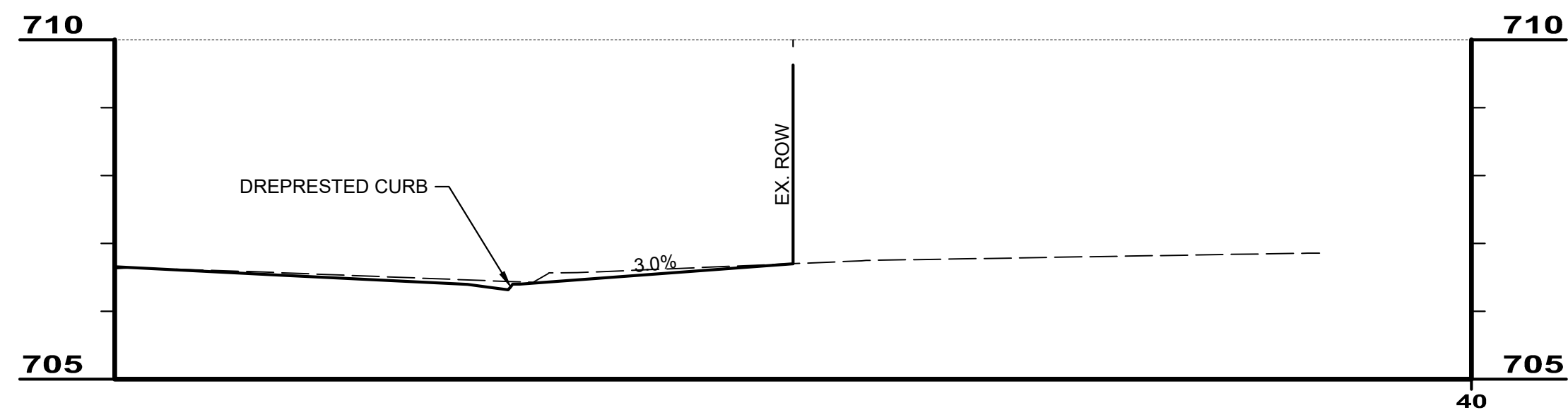
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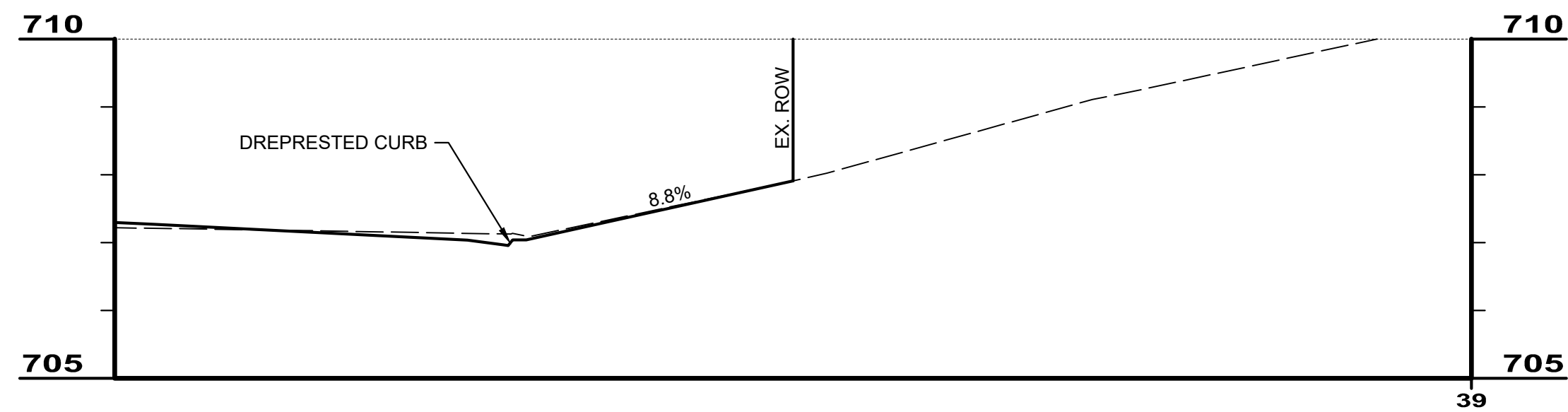
ISSUED FOR:	BID NO	REVISION	DATE
ISSUE DATE:	01/24/2024		
SCALE:	AS SHOWN		
DESIGNED BY:	MMARO		
DRAWN BY:	MMARO		
CHECKED BY:	MLAC		

REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
DRIVE PROFILE STA. 1+85 - 11+21

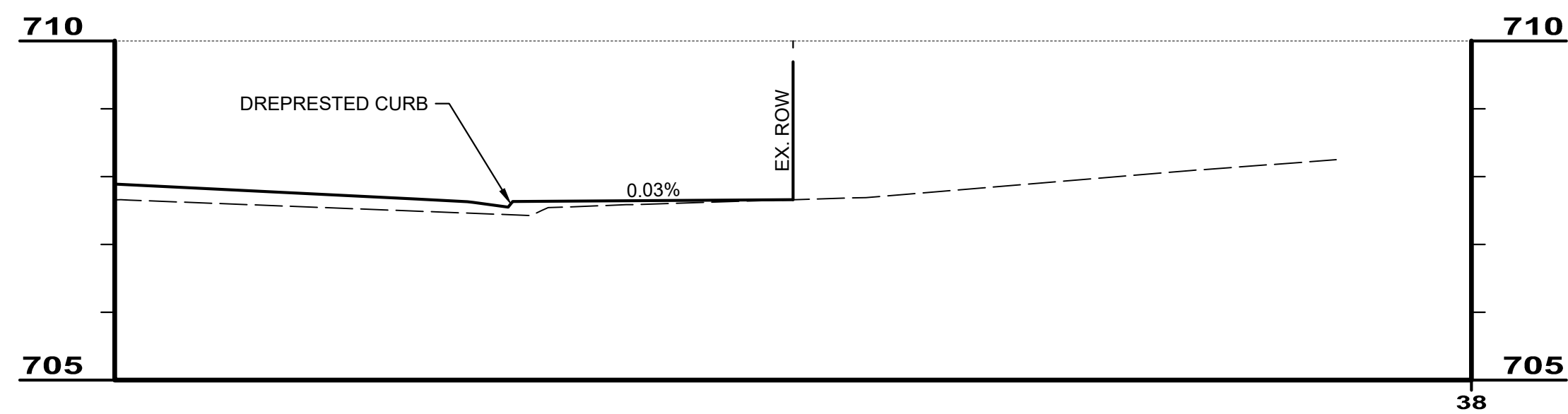
PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	PLN08
SHEET	12
OF	21



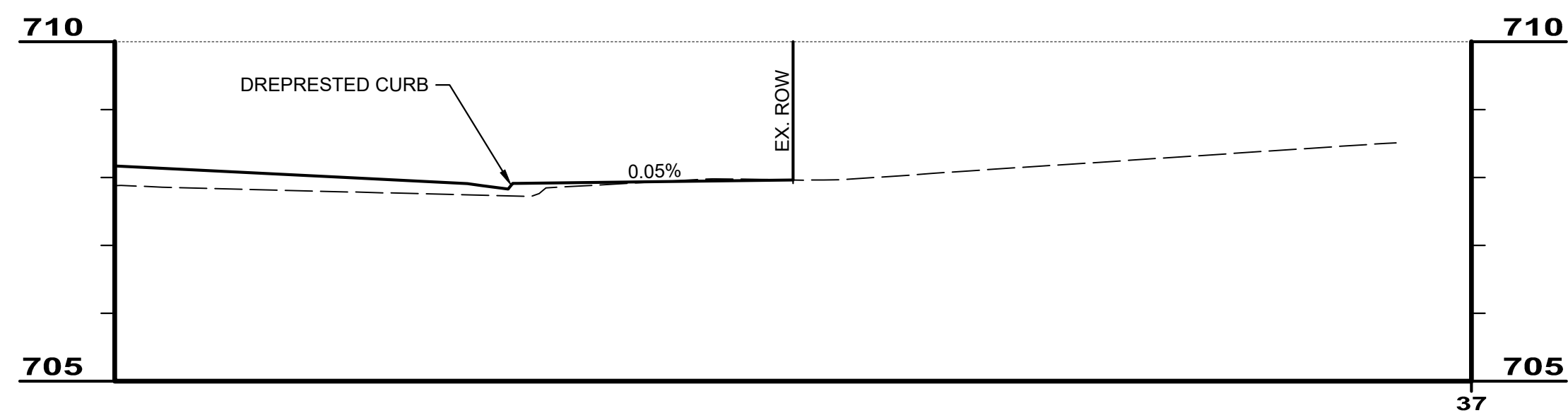
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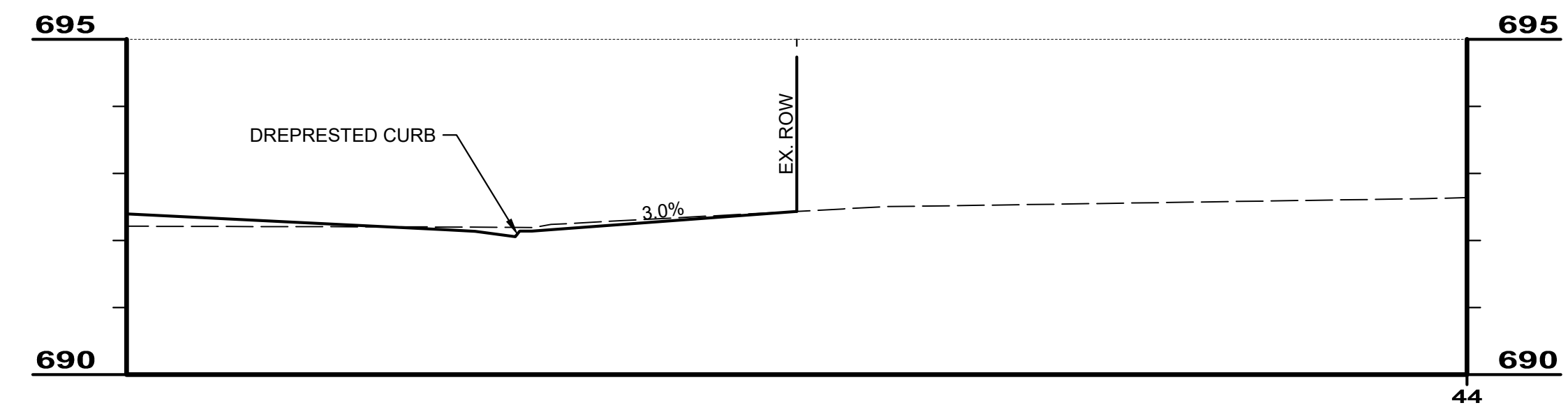
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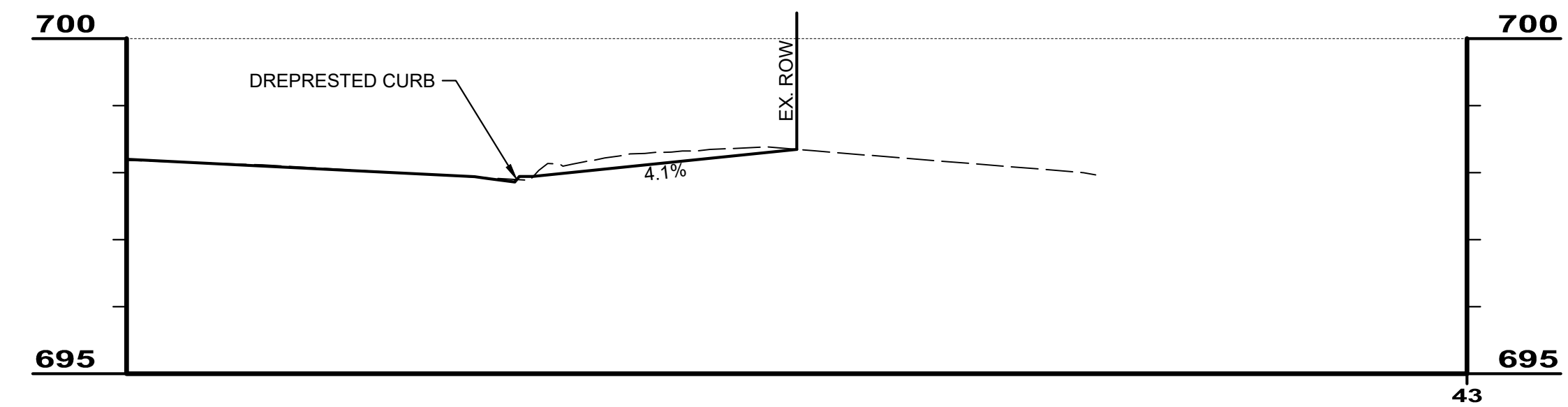
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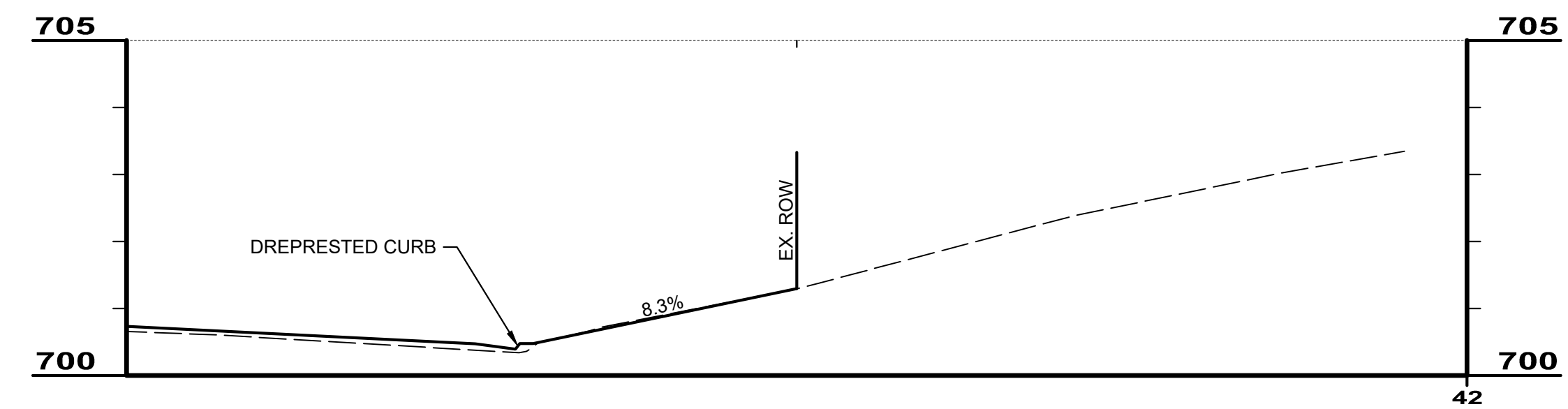
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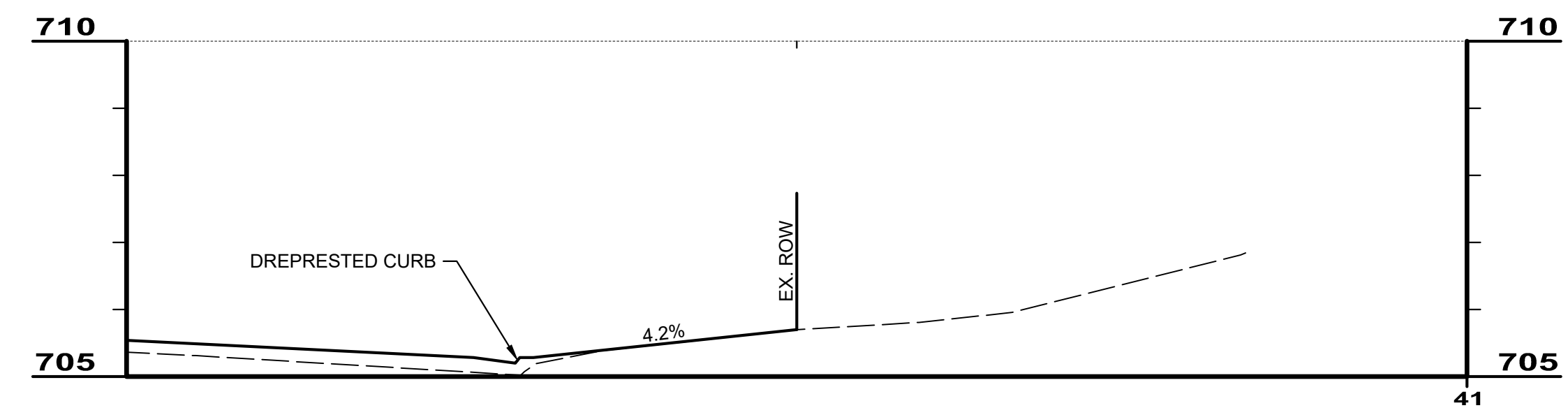
DRIVE STA 17+90



DRIVE STA 16+43



DRIVE STA 15+79



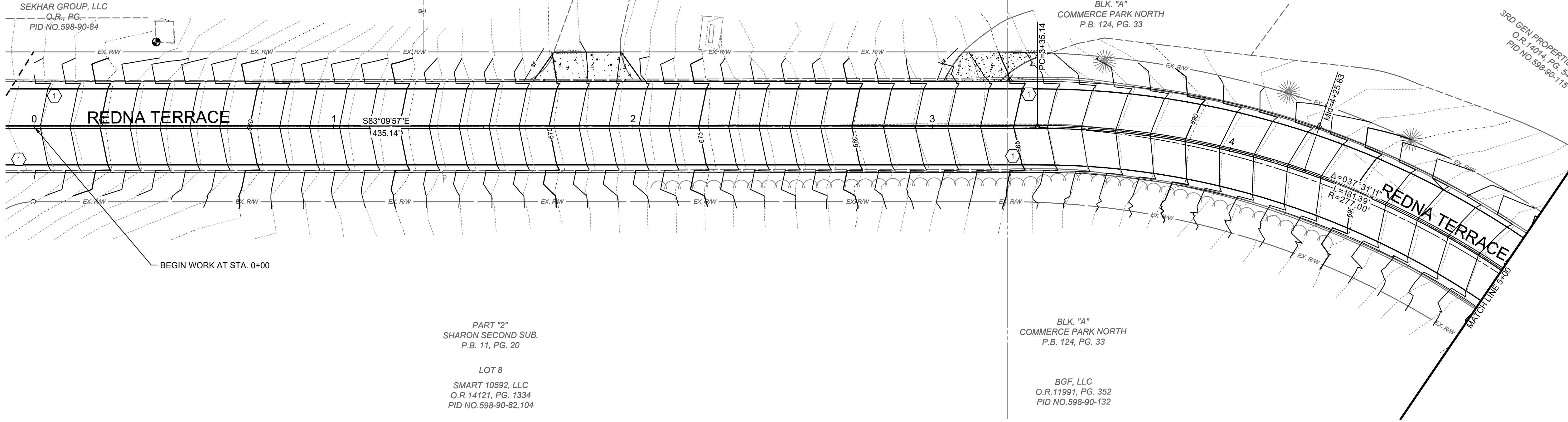
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ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 01/24/2024	0124/2024		
SCALE: AS SHOWN			
DESIGNED BY: MMARG			
DRAWN BY: MMARG			
CHECKED BY: MLAC			

REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
DRIV PROFILE STA. 12+04 - 17+90

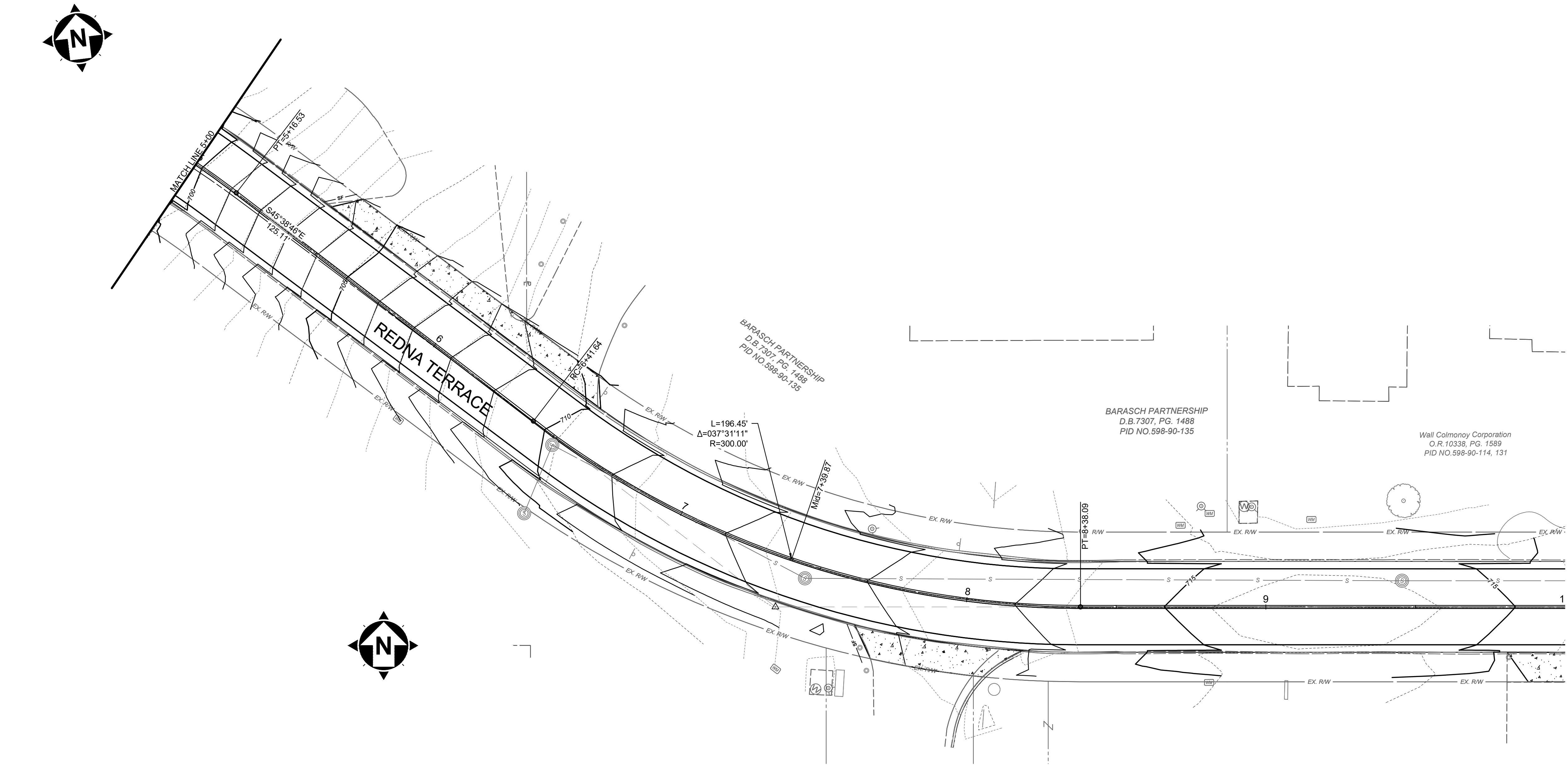
PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	PLN09
SHEET OF	13 OF 21



EROSION CONTROL LEGEND

- ① INLET PROTECTION - PRE-MANUFACTURED COVER
- ② CONSTRUCTION ENTRANCE UTILIZE EX.
- ③ CONCRETE WASHOUT
- ④ SOIL STOCKPILE
- SF — SILT FENCE

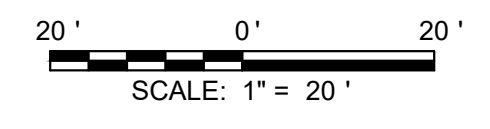
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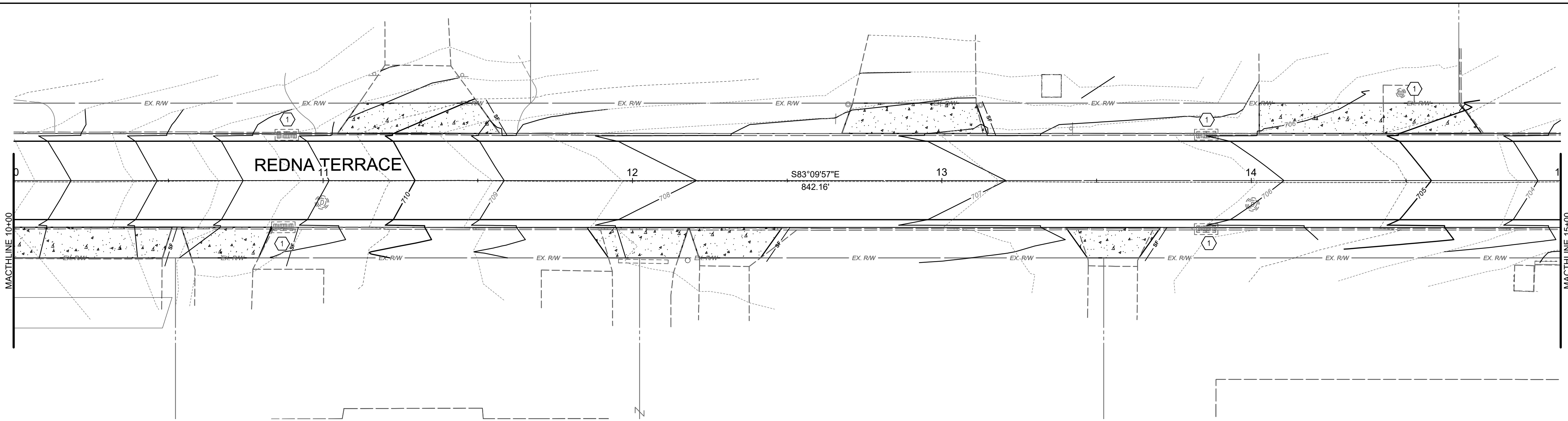


ISSUED FOR:	BID NO.	DATE
ISSUE DATE:	REVISION	DATE
SCALE:	NO.	DATE
DESIGNED BY:	NO.	DATE
DRAWN BY:	NO.	DATE
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**REDNA TERRACE AND
 CHESTER ROAD**
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
GRADING 0+00 - 10+00

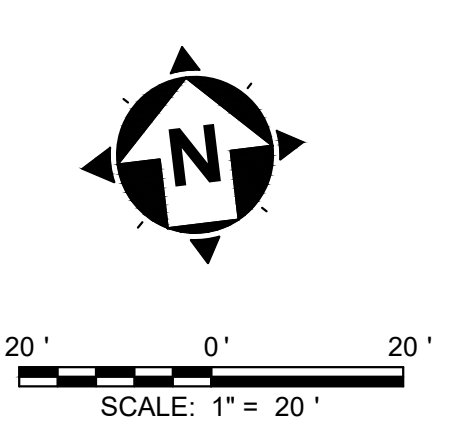
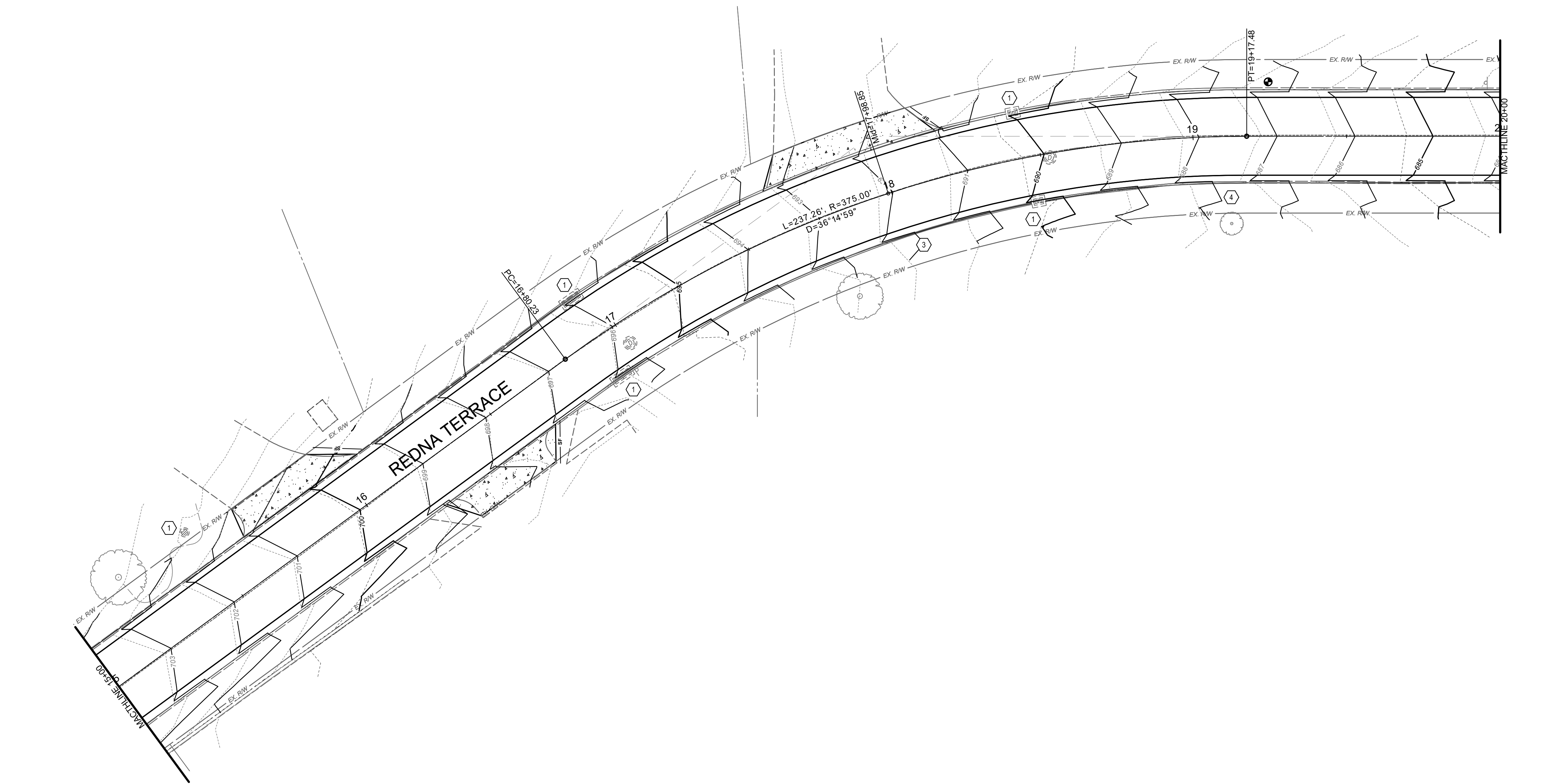
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DISCIPLINE	CIVIL
SHEET NAME	GRD01
SHEET	OF
14	21





EROSION CONTROL LEGEND

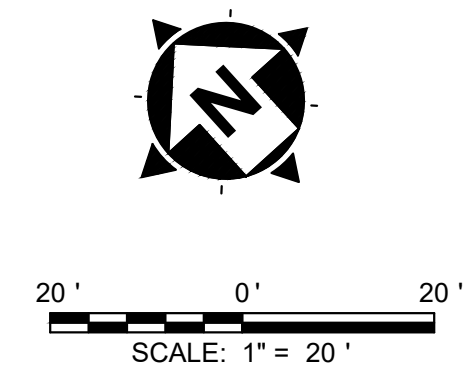
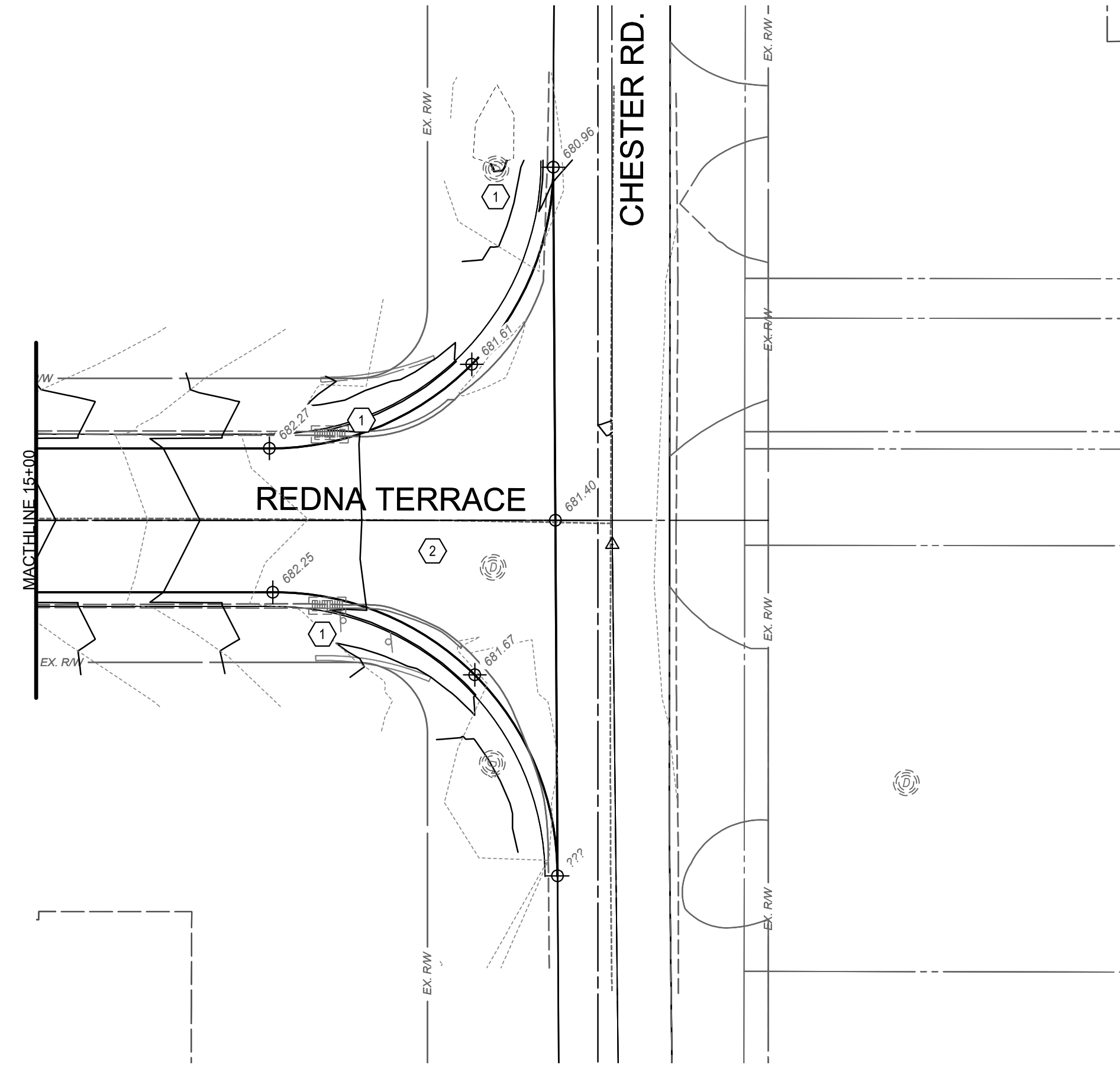
- ① INLET PROTECTION - PRE-MANUFACTURED COVER
- ② CONSTRUCTION ENTRANCE UTILIZE EX.
- ③ CONCRETE WASHOUT
- ④ SOIL STOCKPILE
- SF — SILT FENCE



ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 01/24/2024			
SCALE: AS SHOWN			
DESIGNED BY: MMARQ			
DRAWN BY: MMARQ			
CHECKED BY: MLAC			

REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
GRADING 10+00 - 20+00

PROJECT NO. 220619	
DISCIPLINE CIVIL	
SHEET NAME GRD02	
SHEET 15	OF 21



EROSION CONTROL LEGEND

①	INLET PROTECTION - PRE-MANUFACTURED COVER
②	CONCRETE WASHOUT
③	SOIL STOCKPILE
— SF —	SILT FENCE

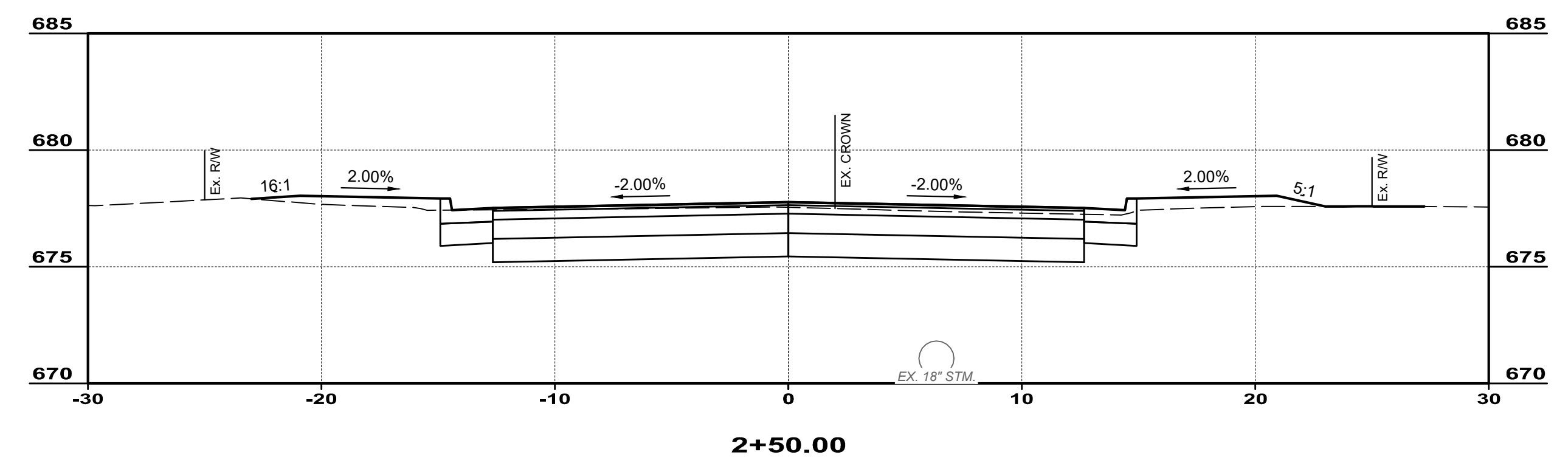
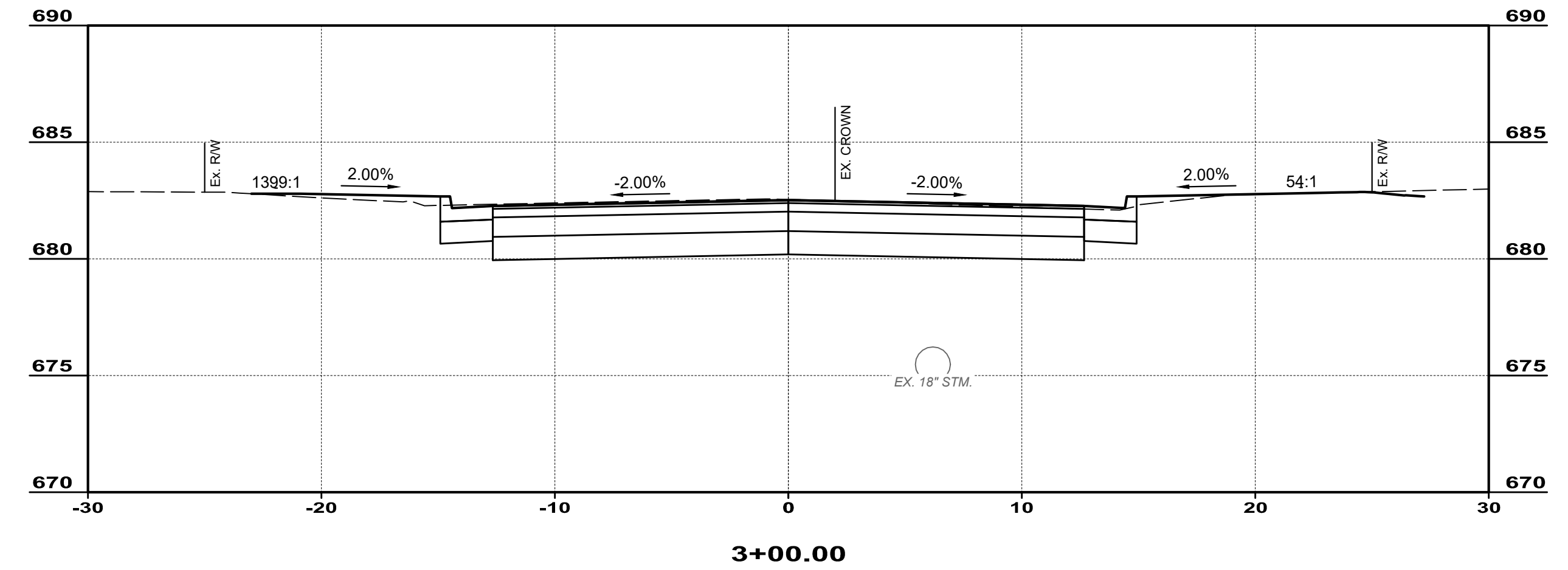
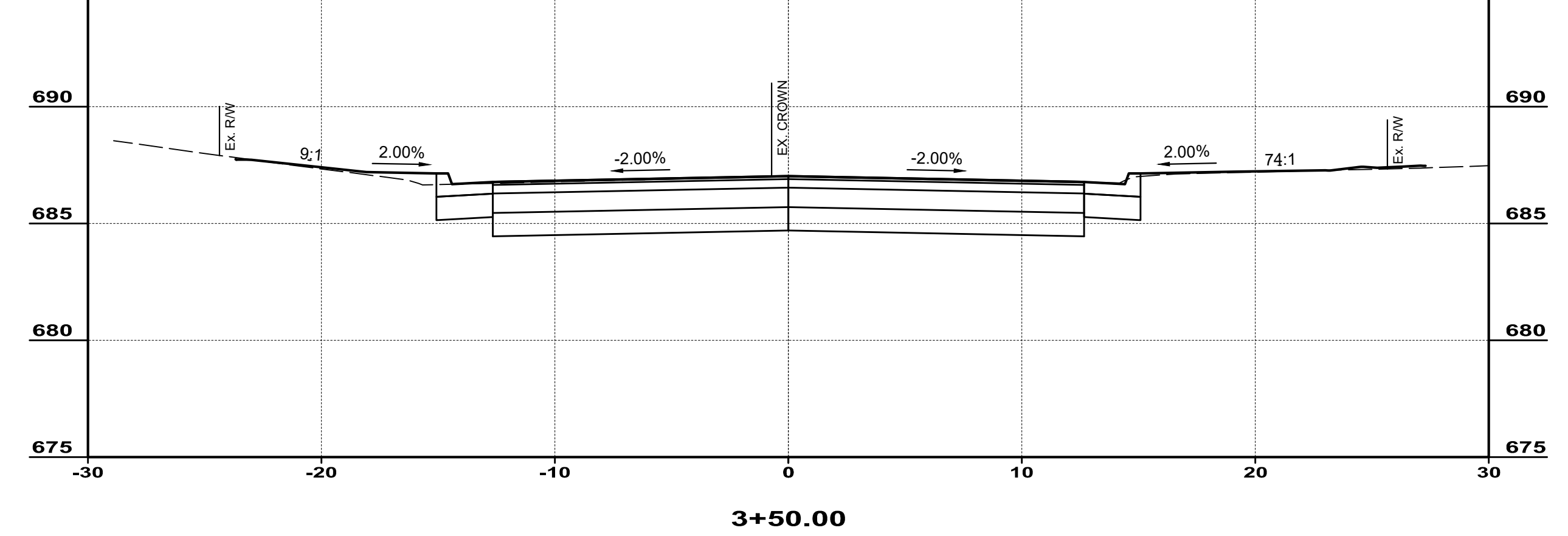
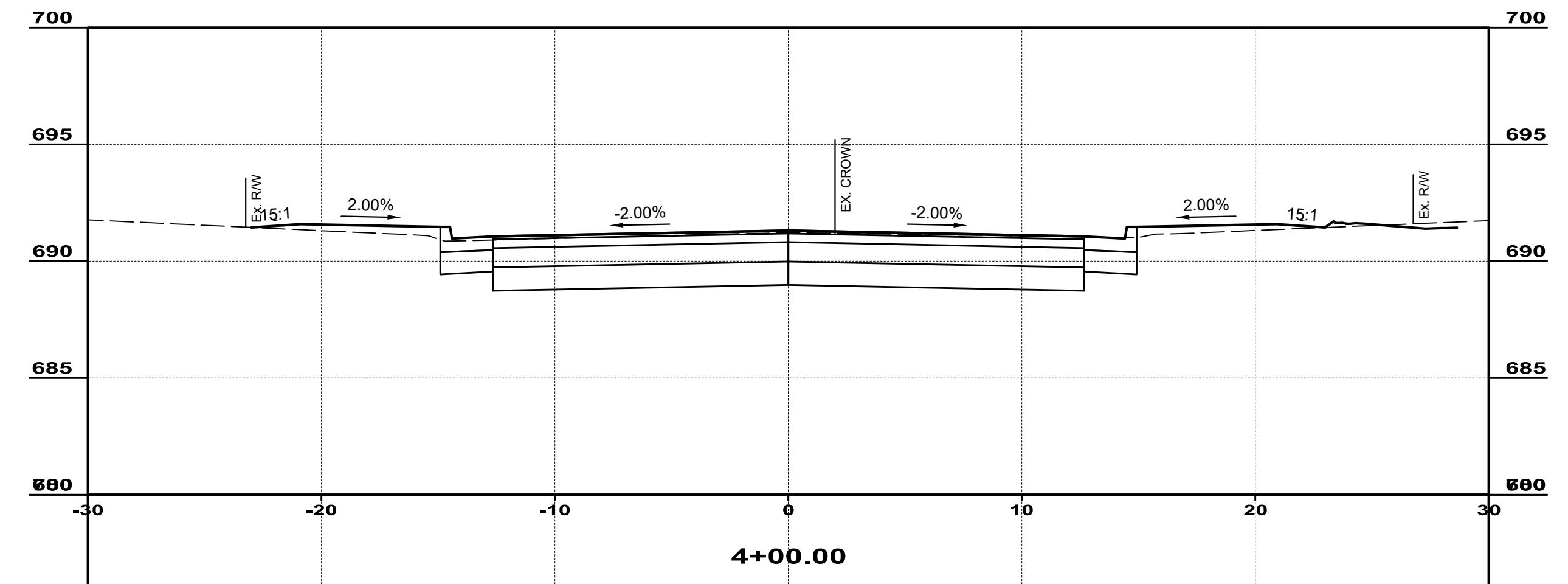
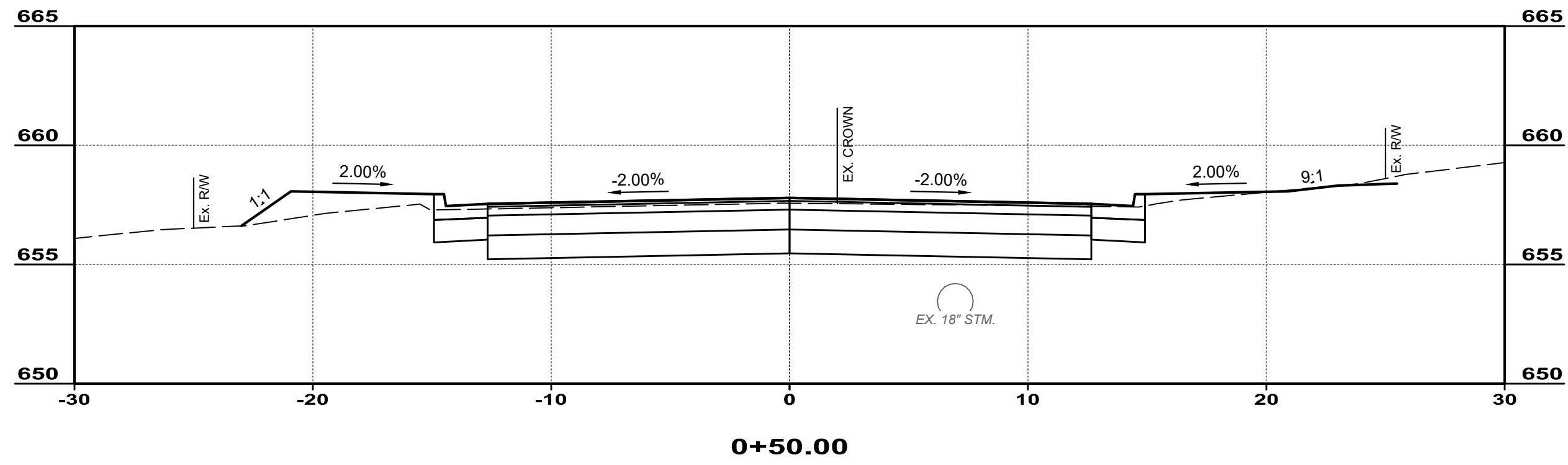
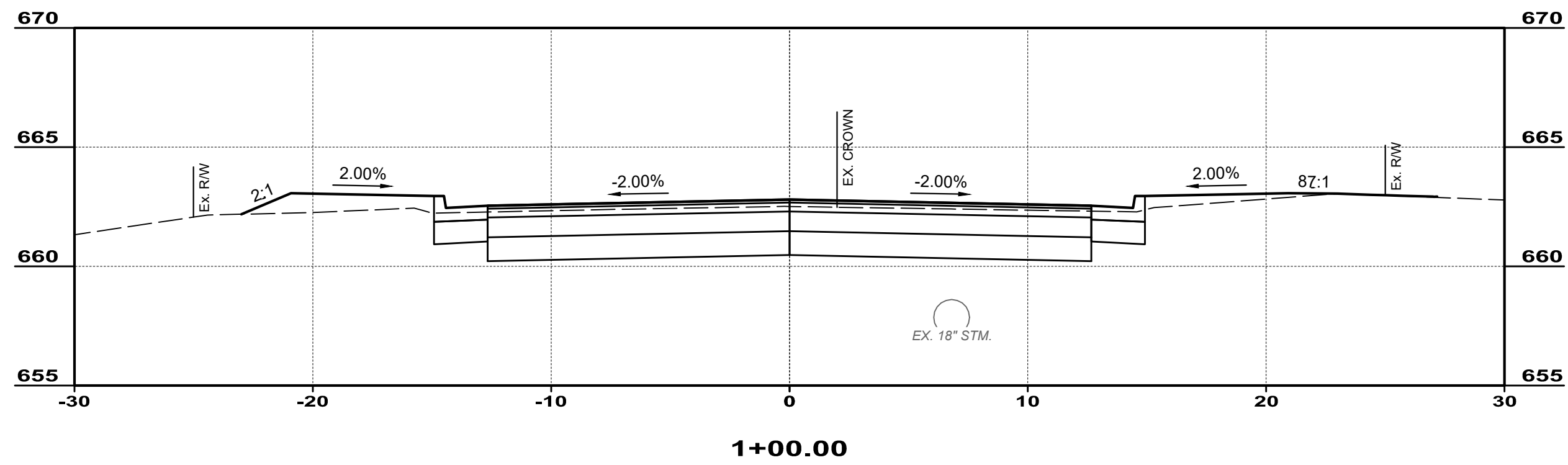
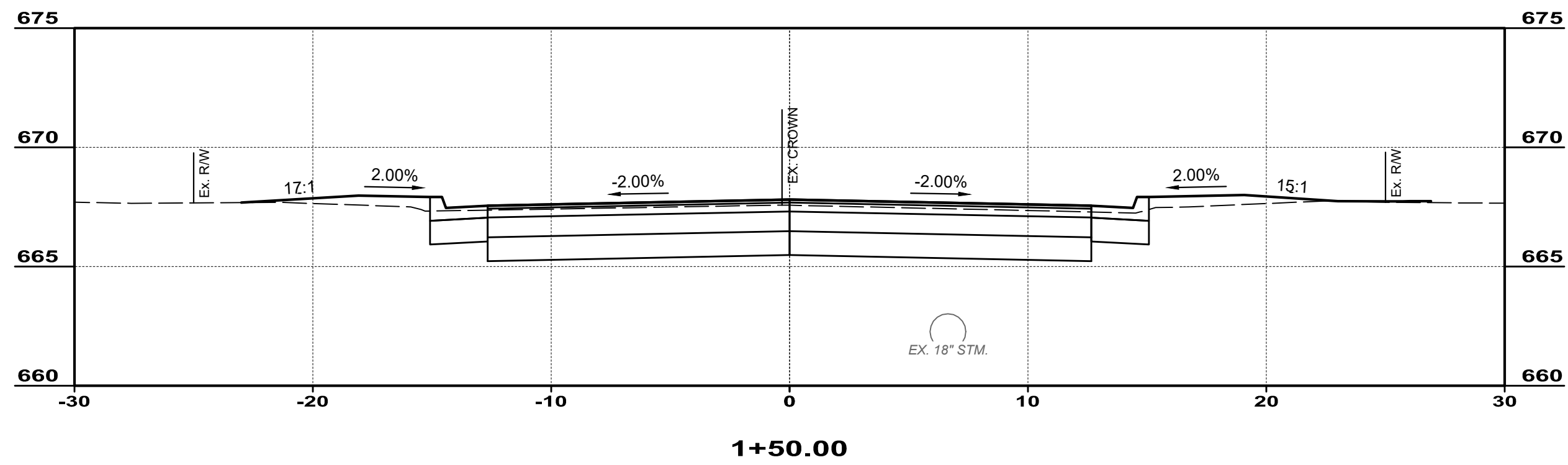
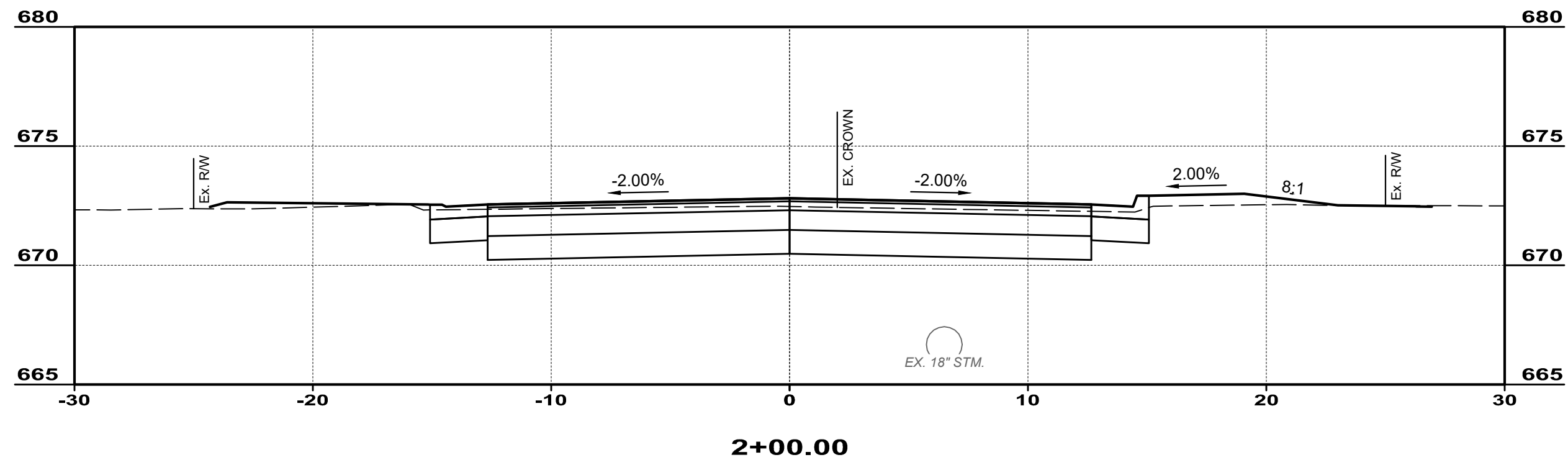


ISSUED FOR:	BID NO	REVISION	DATE
ISSUE DATE:	01/24/2024		
SCALE:	AS SHOWN		
DESIGNED BY:	MMARO		
DRAWN BY:	MMARO		
CHECKED BY:	MLAC		

**REDNA TERRACE AND
CHESTER ROAD**
VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

GRADING 20+00 - END

PROJECT NO.		220619
DISCIPLINE		CIVIL
SHEET NAME		GRD03
SHEET	OF	
16	21	

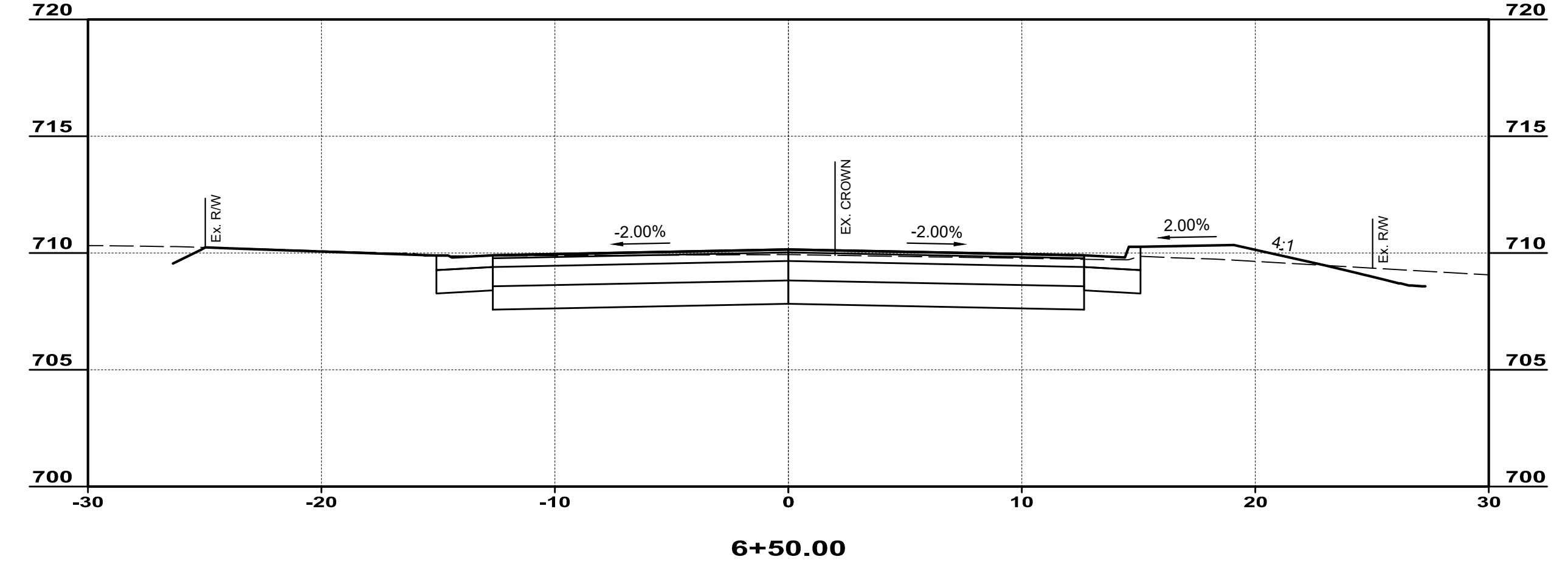
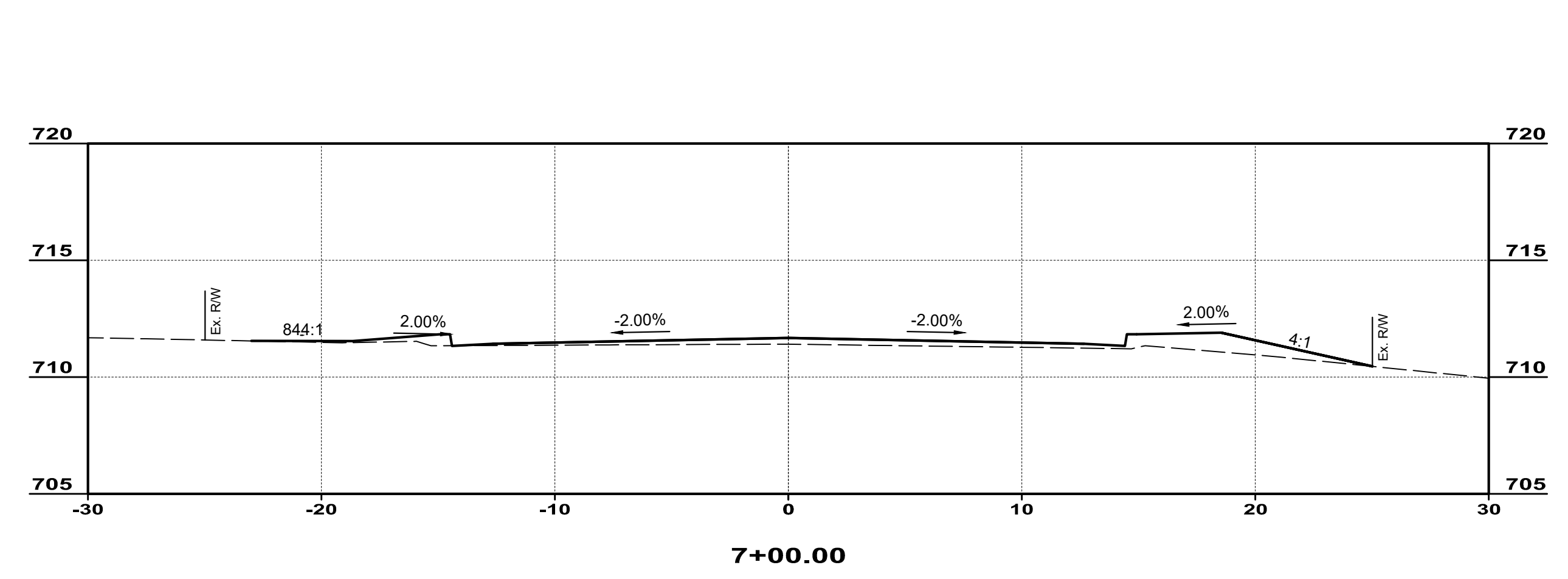
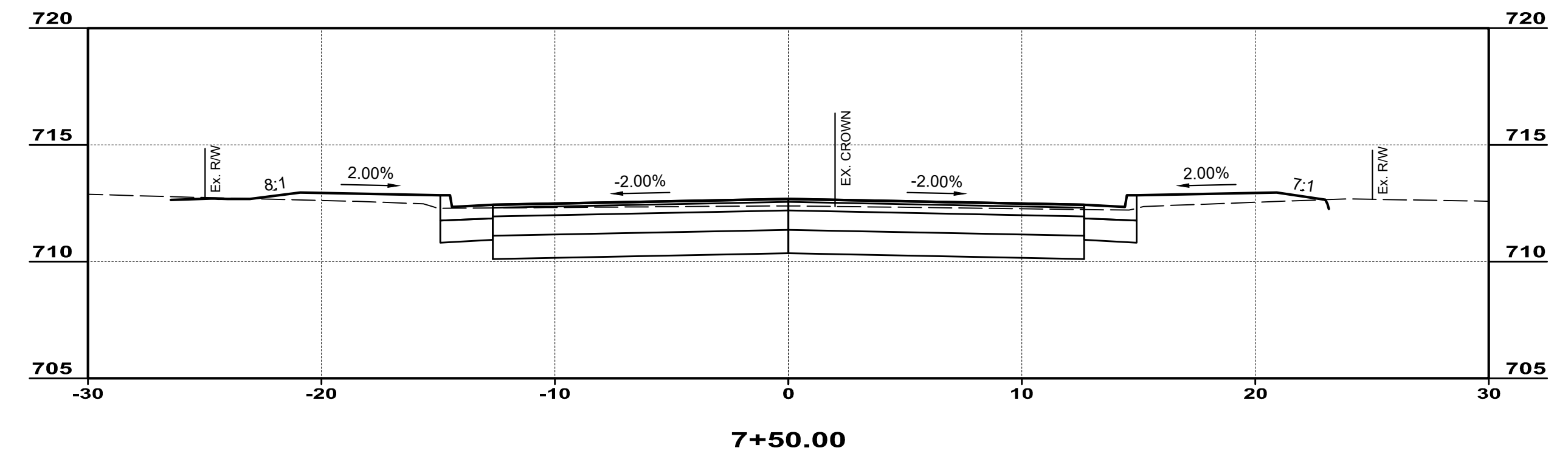
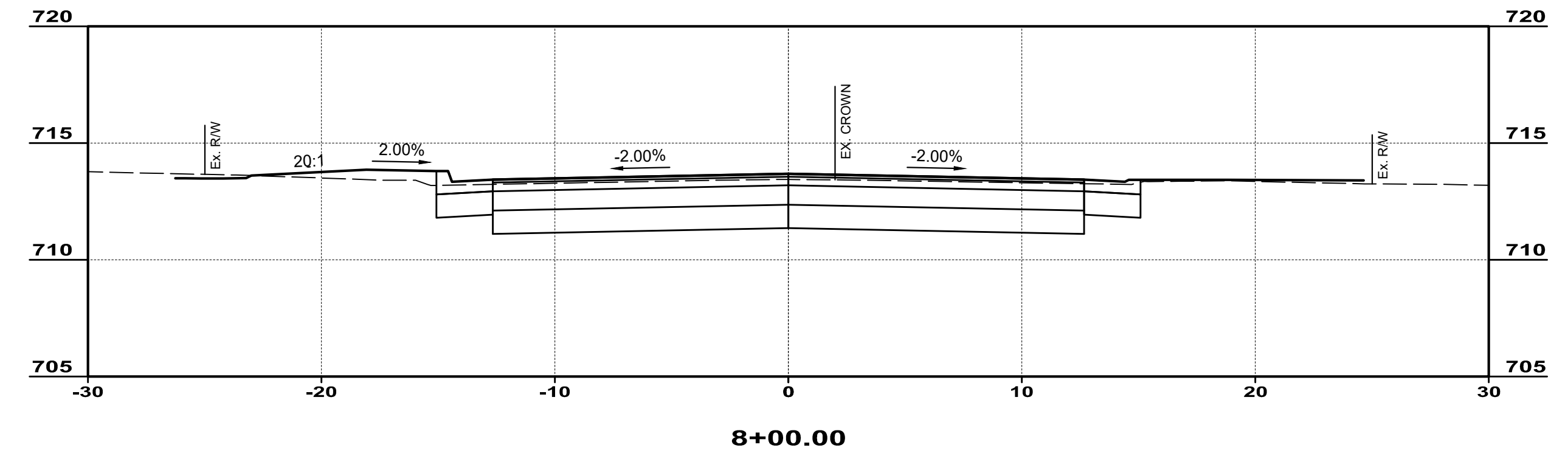
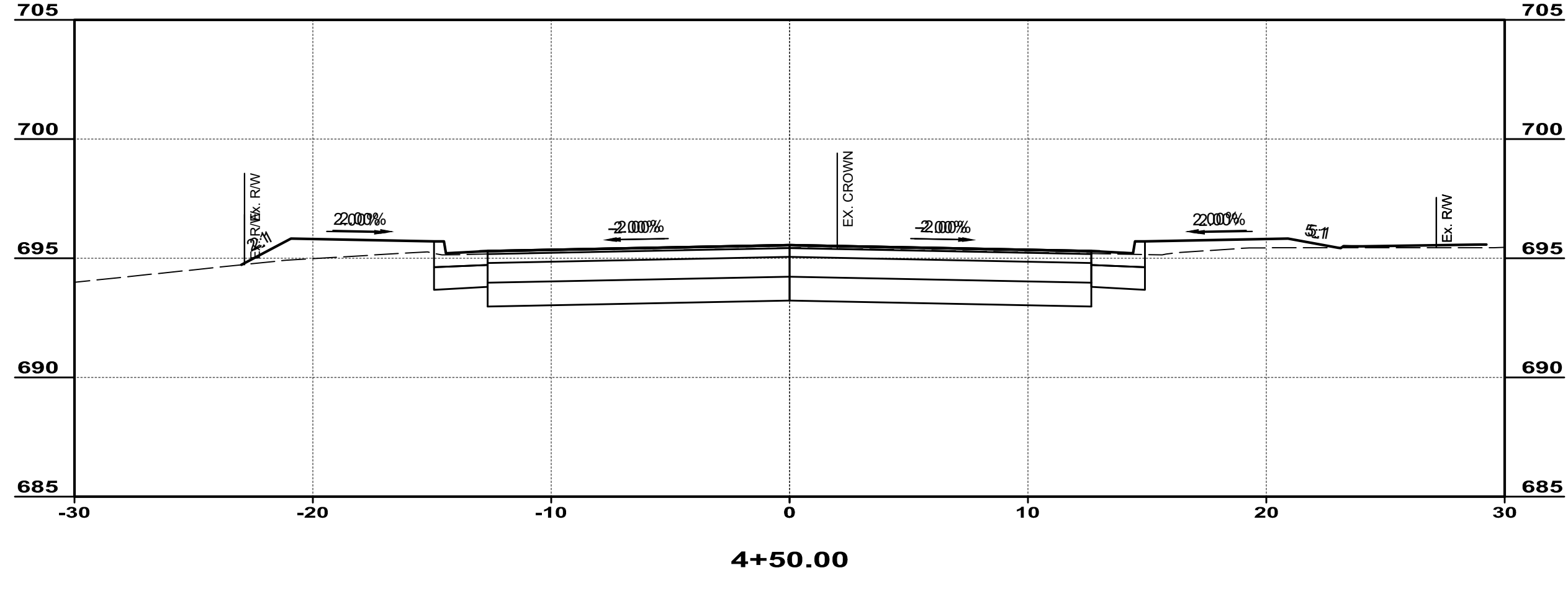
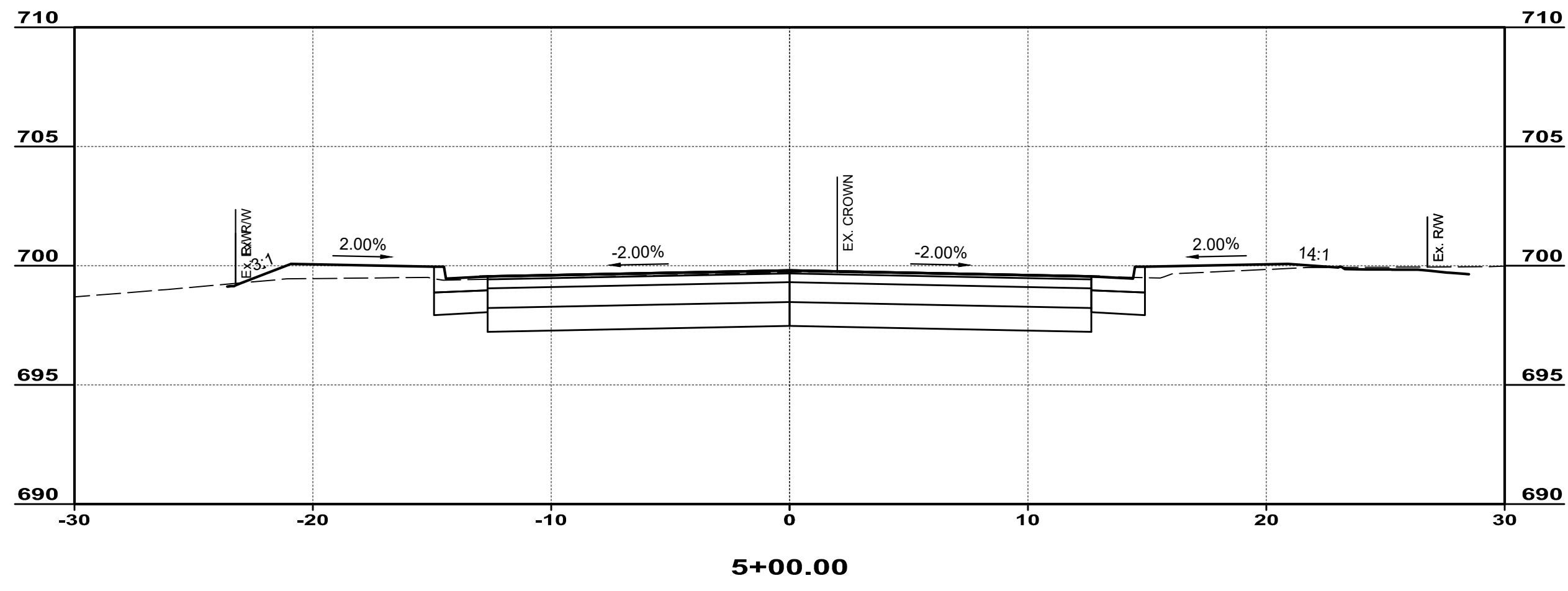
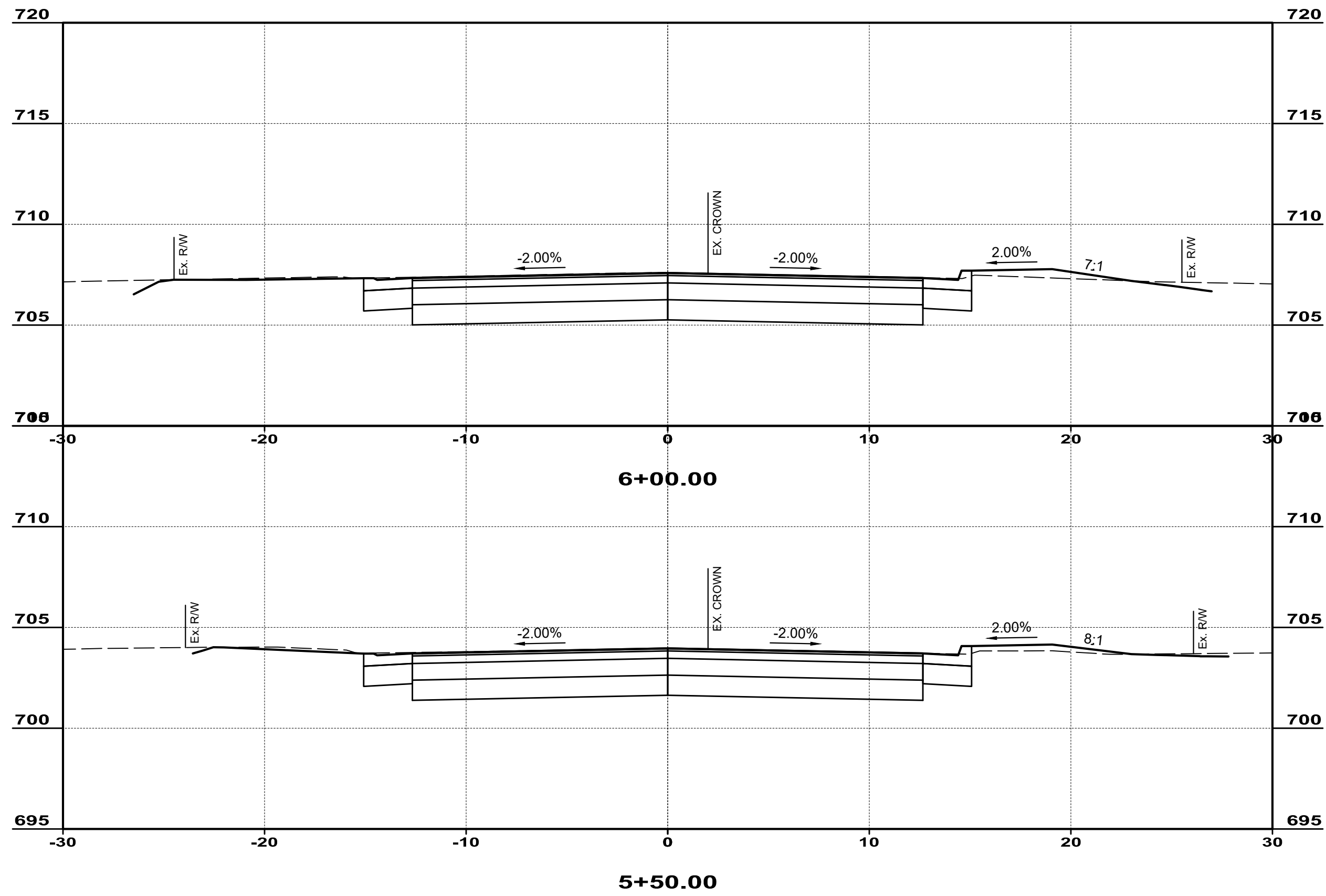


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ISSUE DATE: 01/24/2024			
SCALE: AS SHOWN			
DESIGNED BY: MMARO			
DRAWN BY: MMARO			
CHECKED BY: MLAC			

REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

SECTION - 0+50 - 4+00

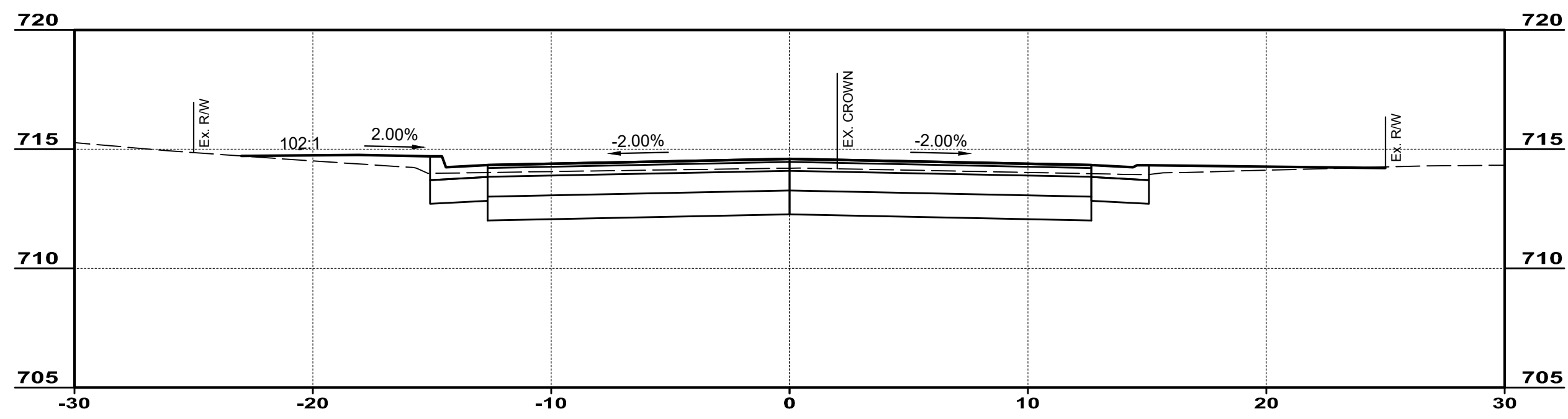
PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	SX01
SHEET	17
OF	21



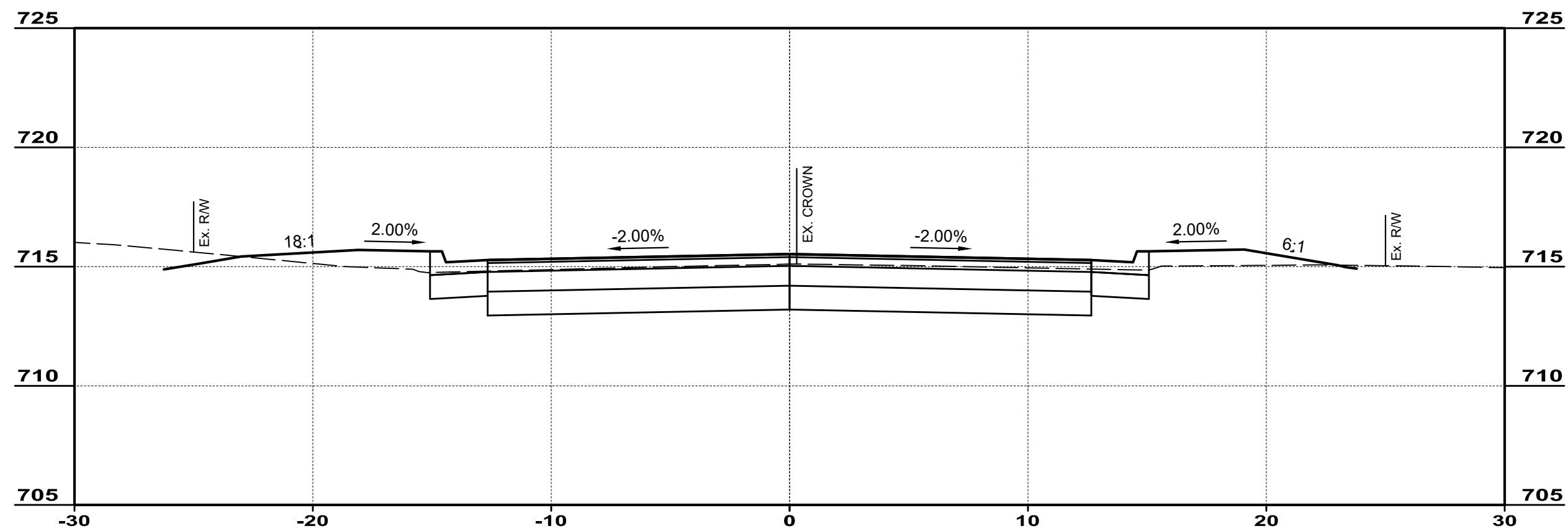
ISSUED FOR:	BID NO.	DATE
ISSUE DATE:	01/24/2024	
SCALE:	AS SHOWN	
DESIGNED BY:	MMARO	
DRAWN BY:	MMARO	
CHECKED BY:	MLAC	

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 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO
SECTION - 4+50 - 8+00

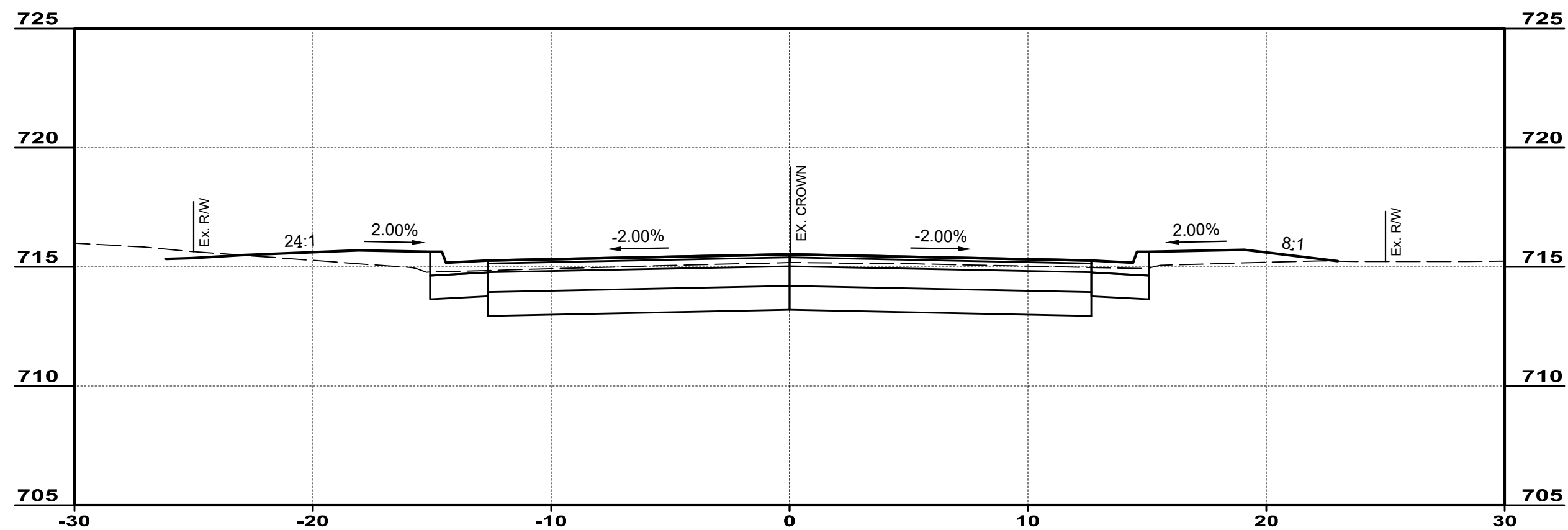
PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	SX02
SHEET	OF
18	21



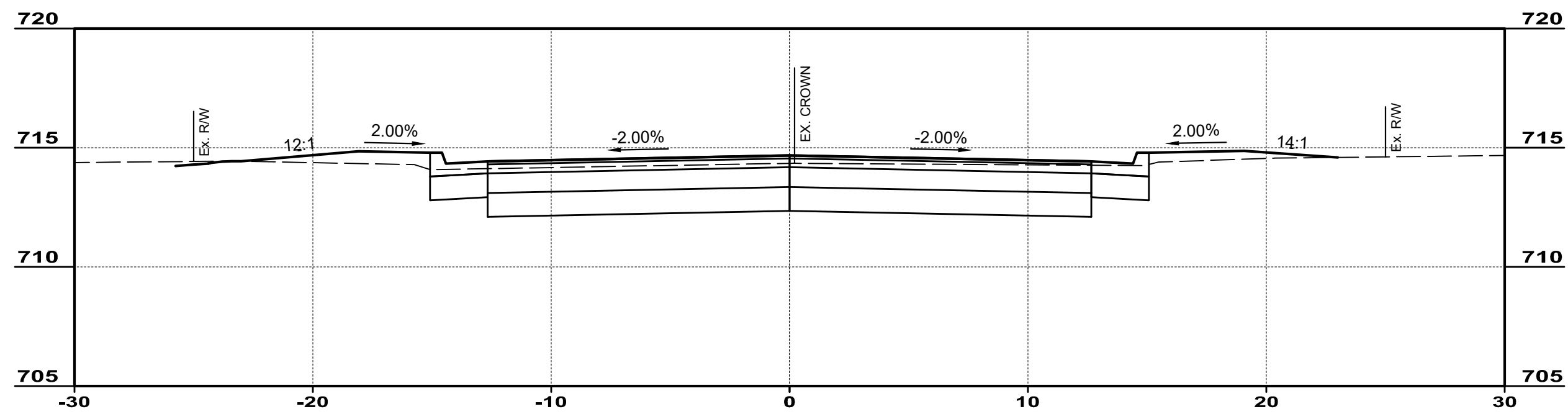
10+00.00



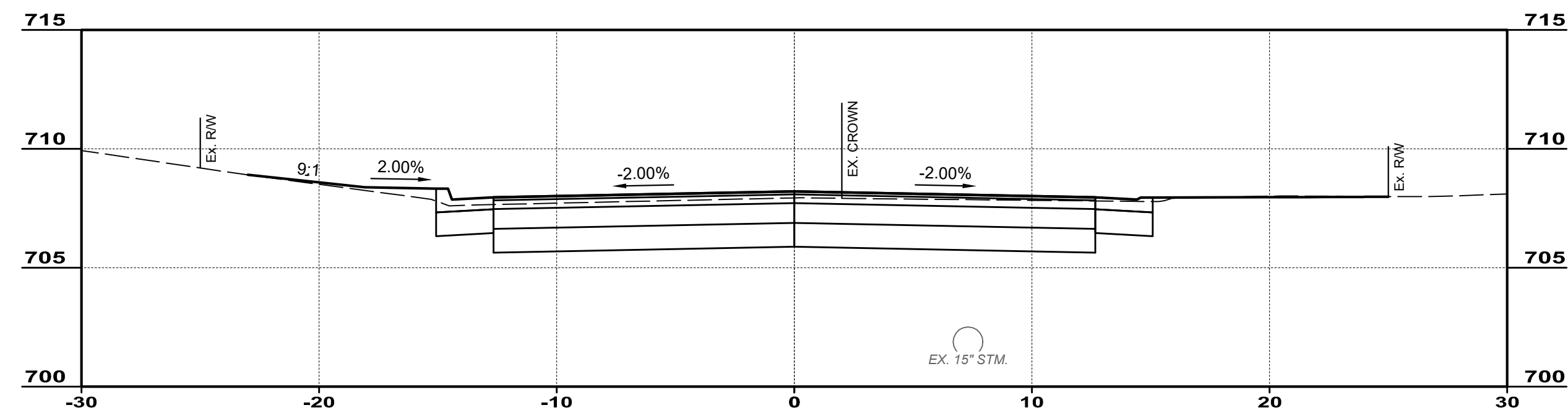
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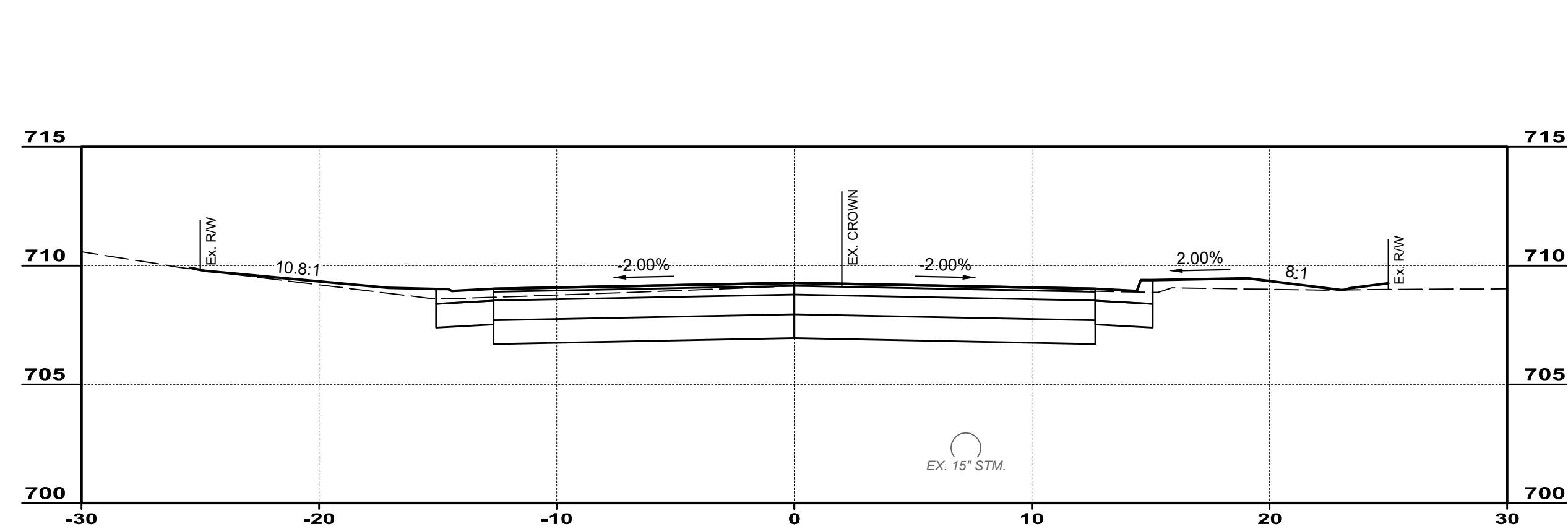
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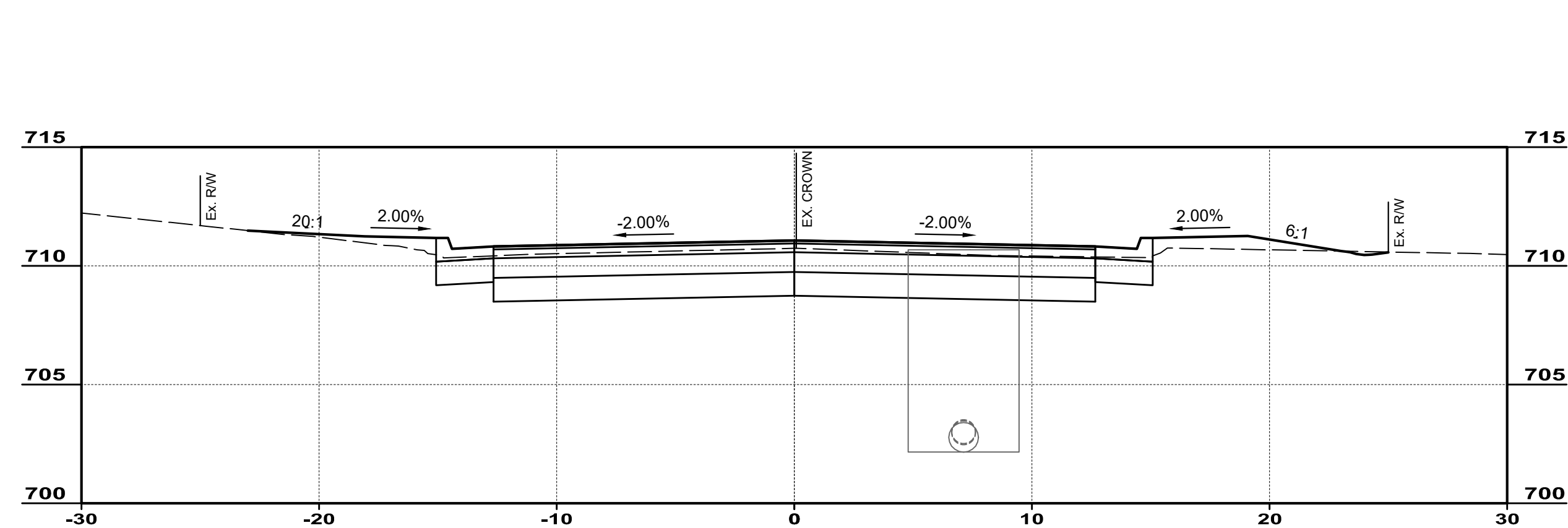
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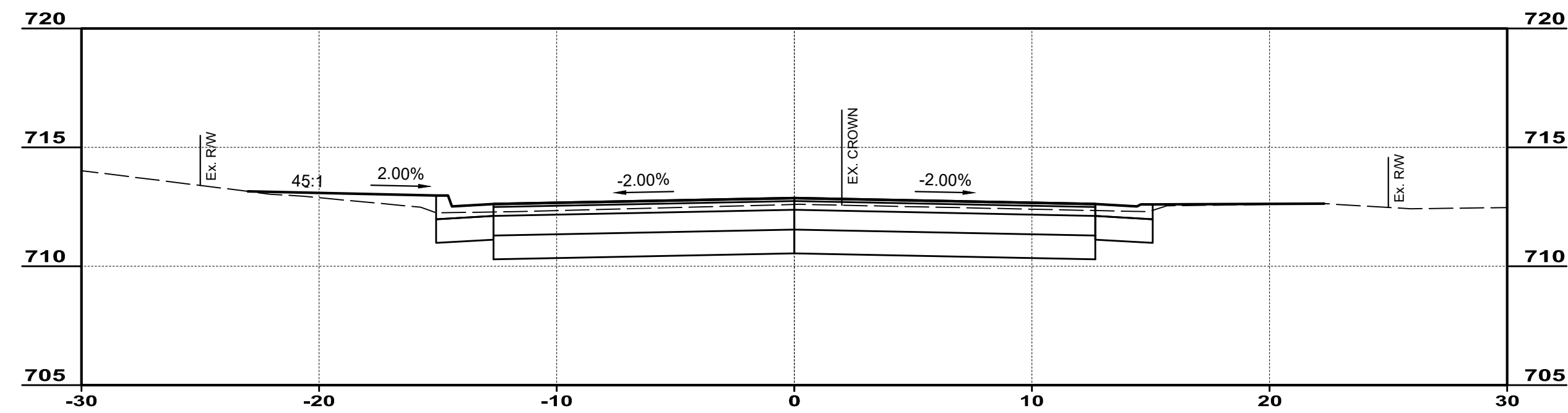
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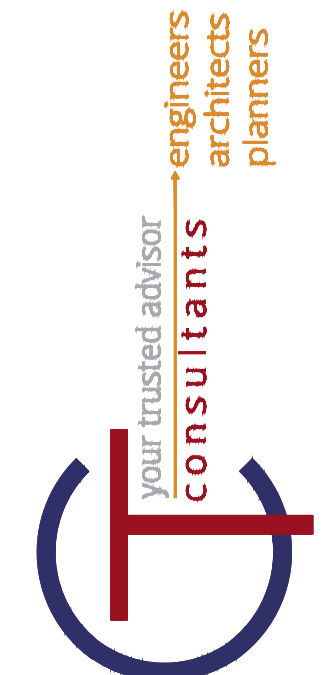
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11+00.00



10+50.00

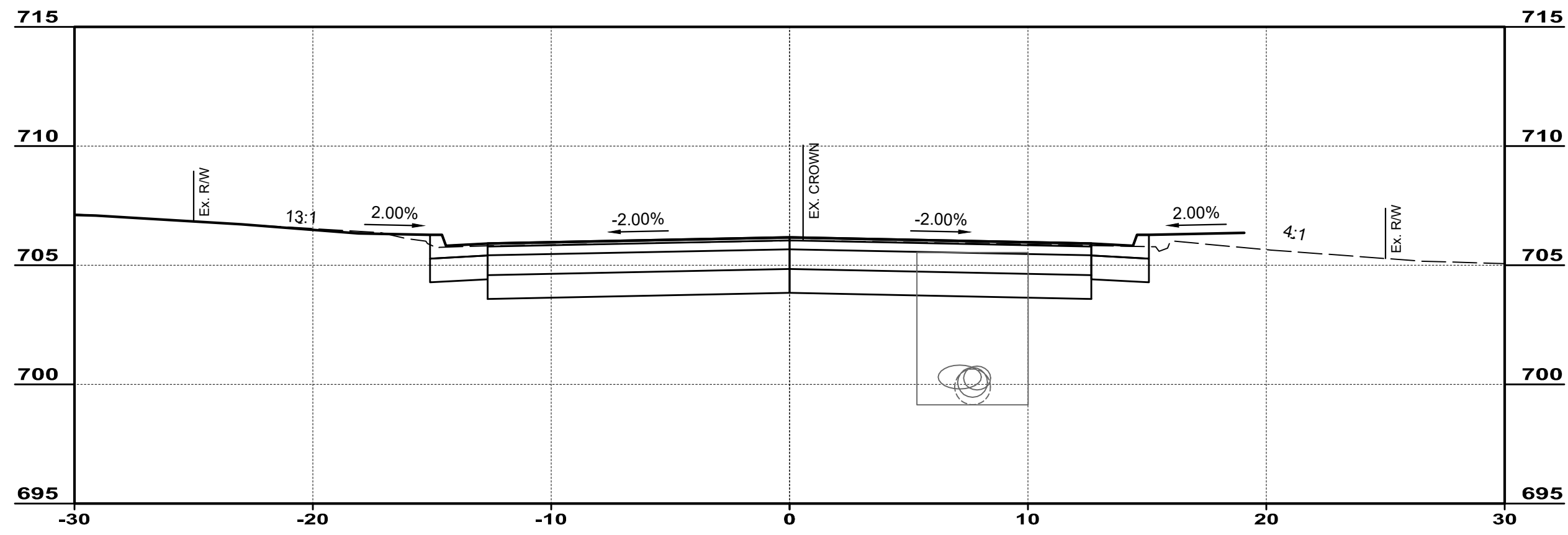


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DESIGNED BY:	MMARO		
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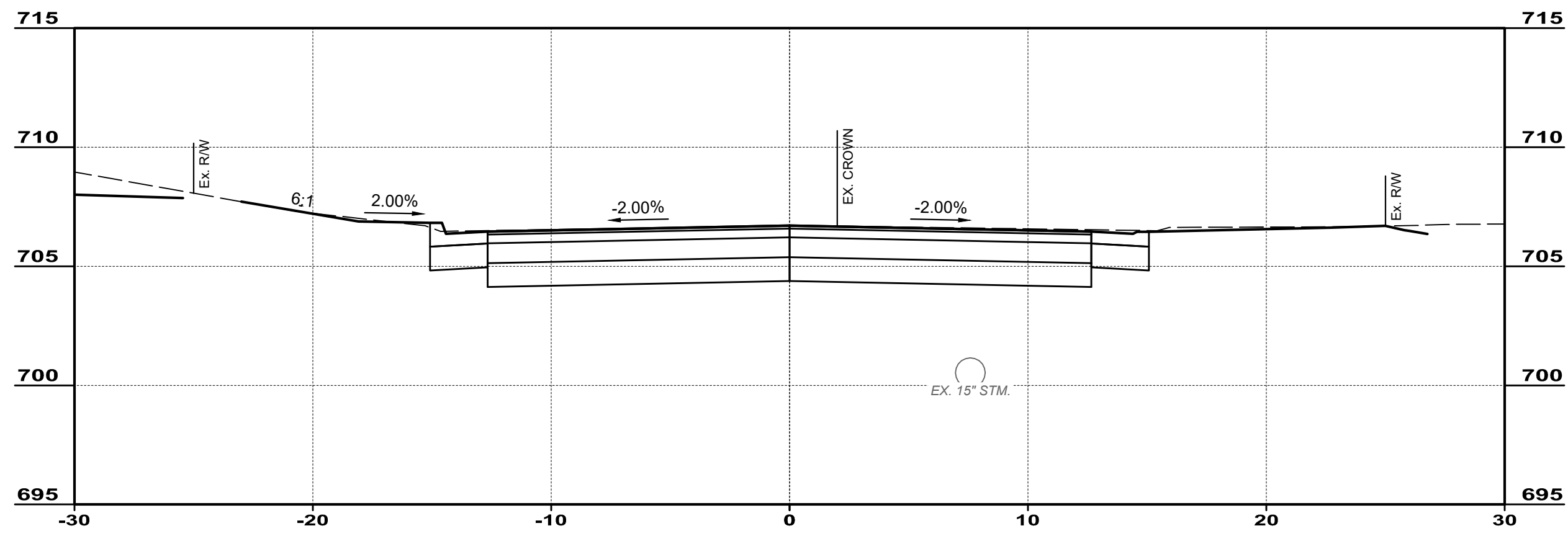
REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

SECTION - 8+50 - 12+00

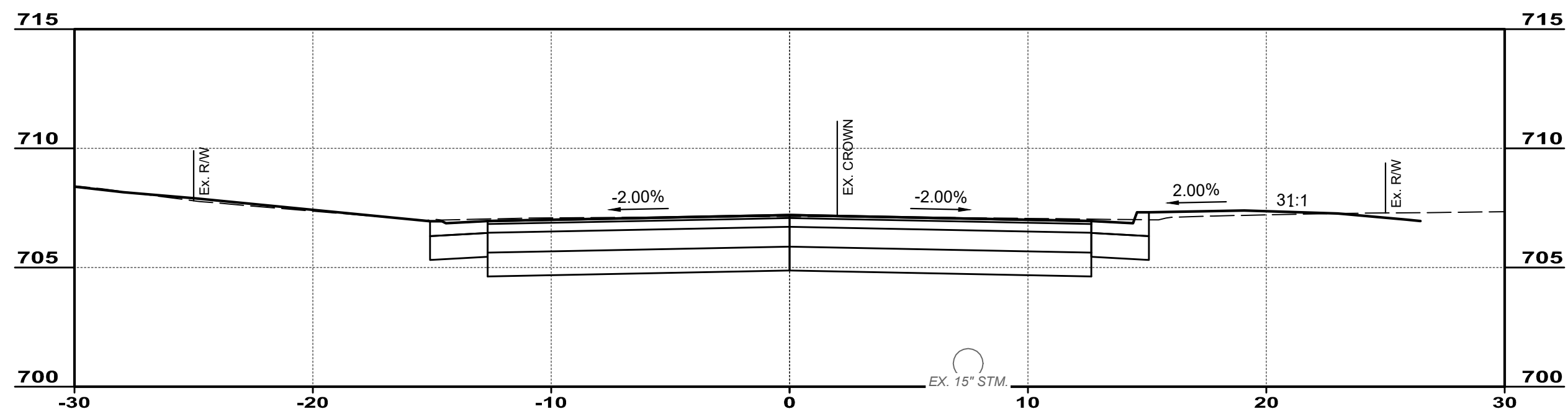
PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	SX03
SHEET	19
OF	21



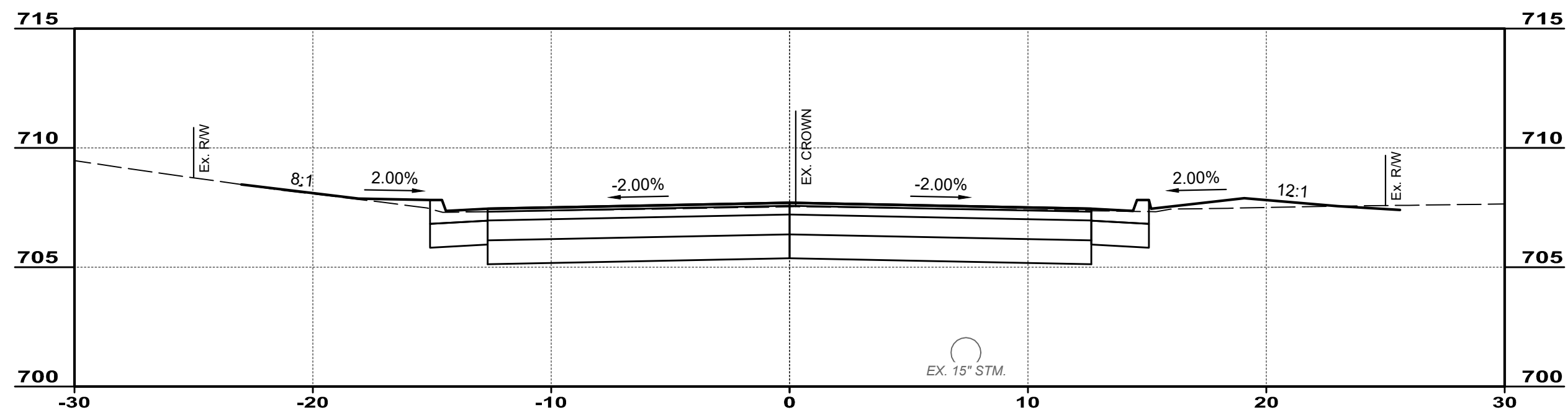
14+00.00



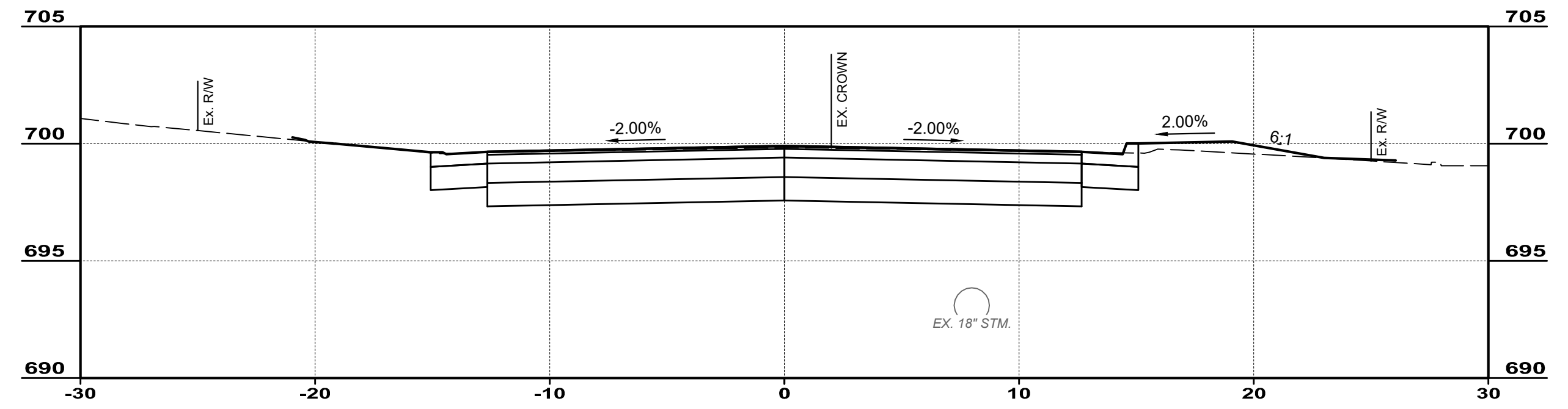
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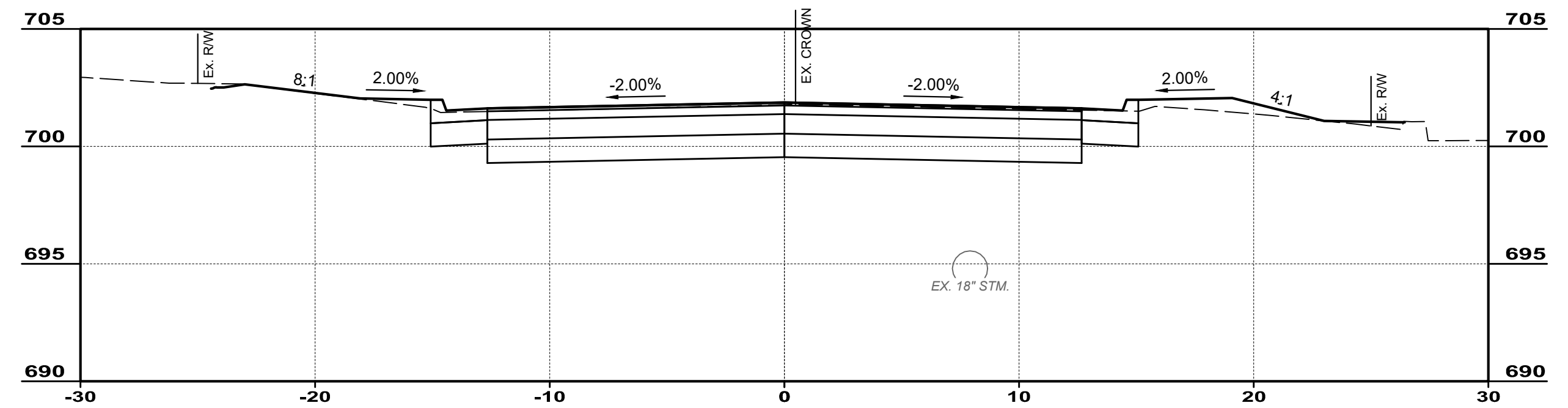
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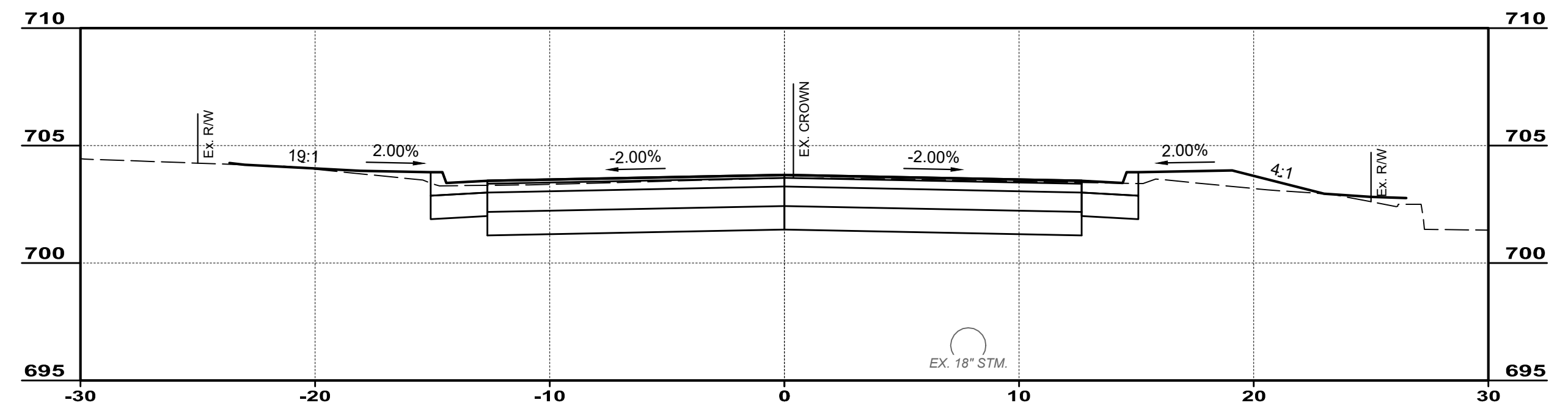
12+50.00



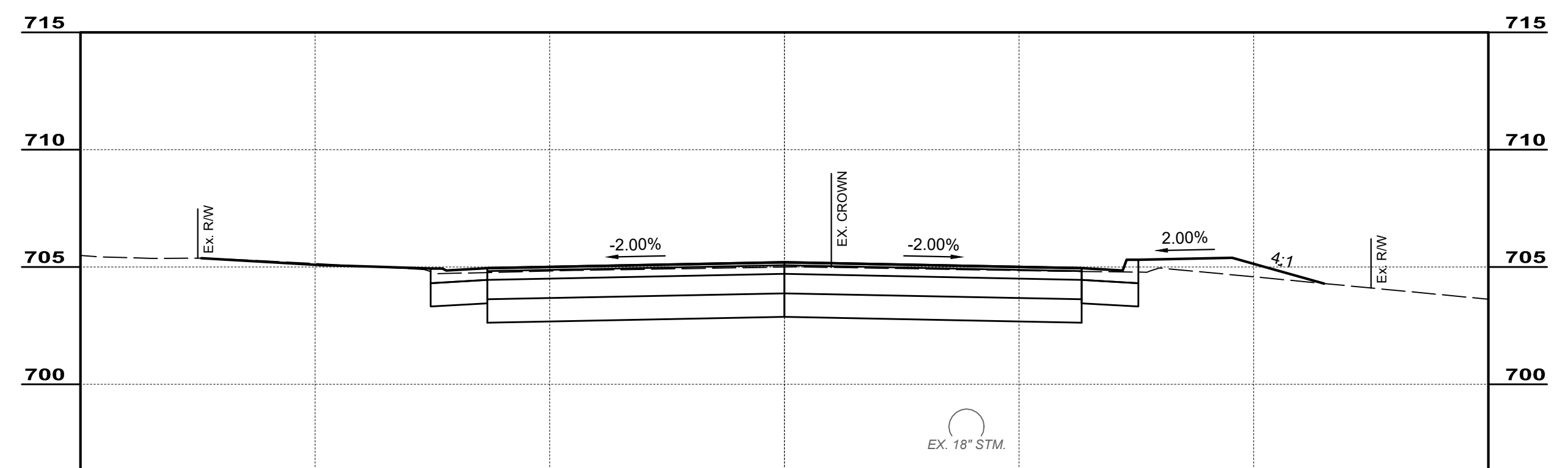
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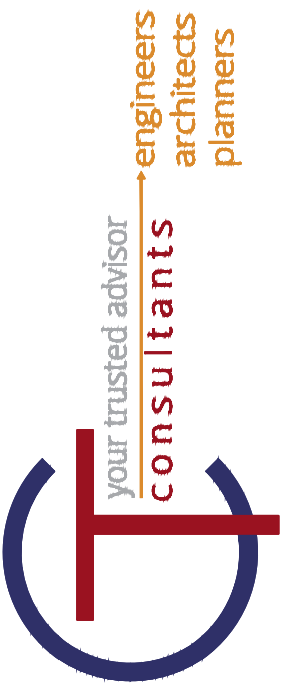
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15+00.00



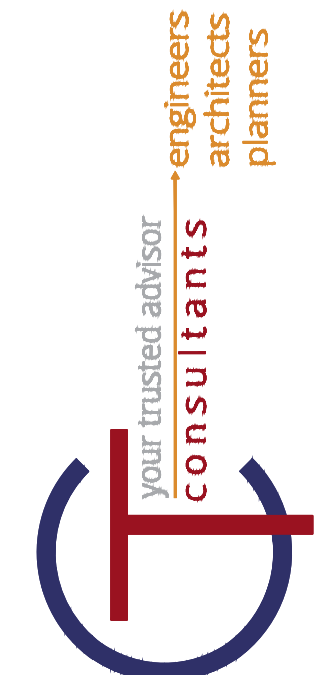
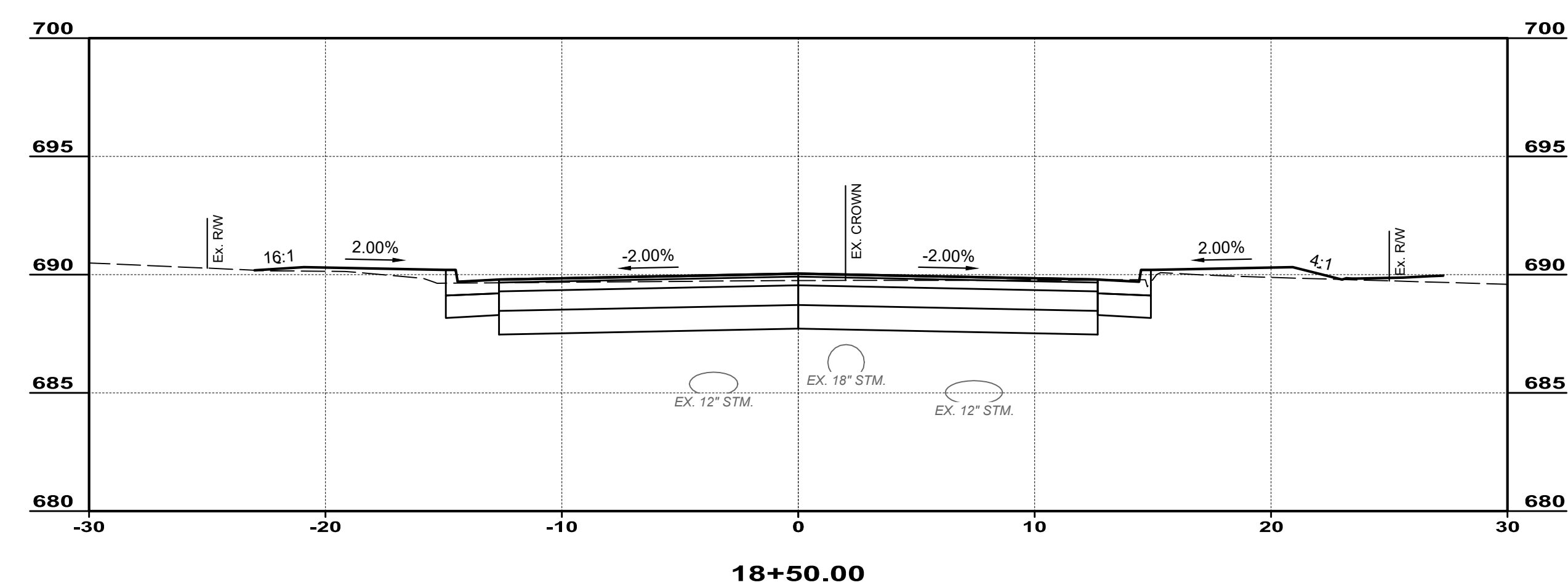
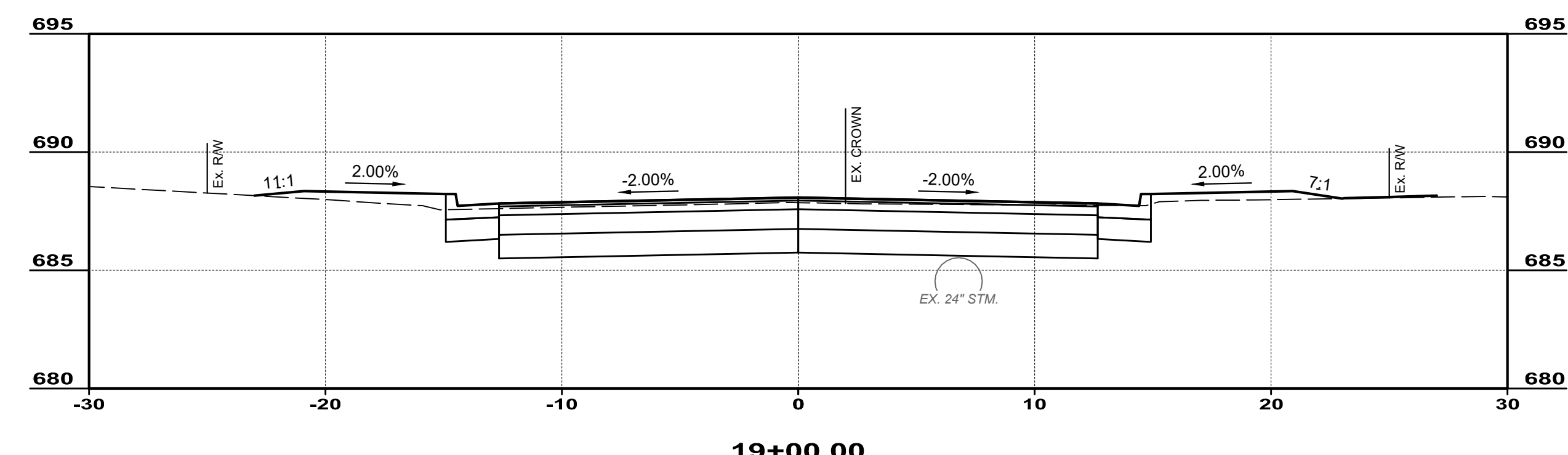
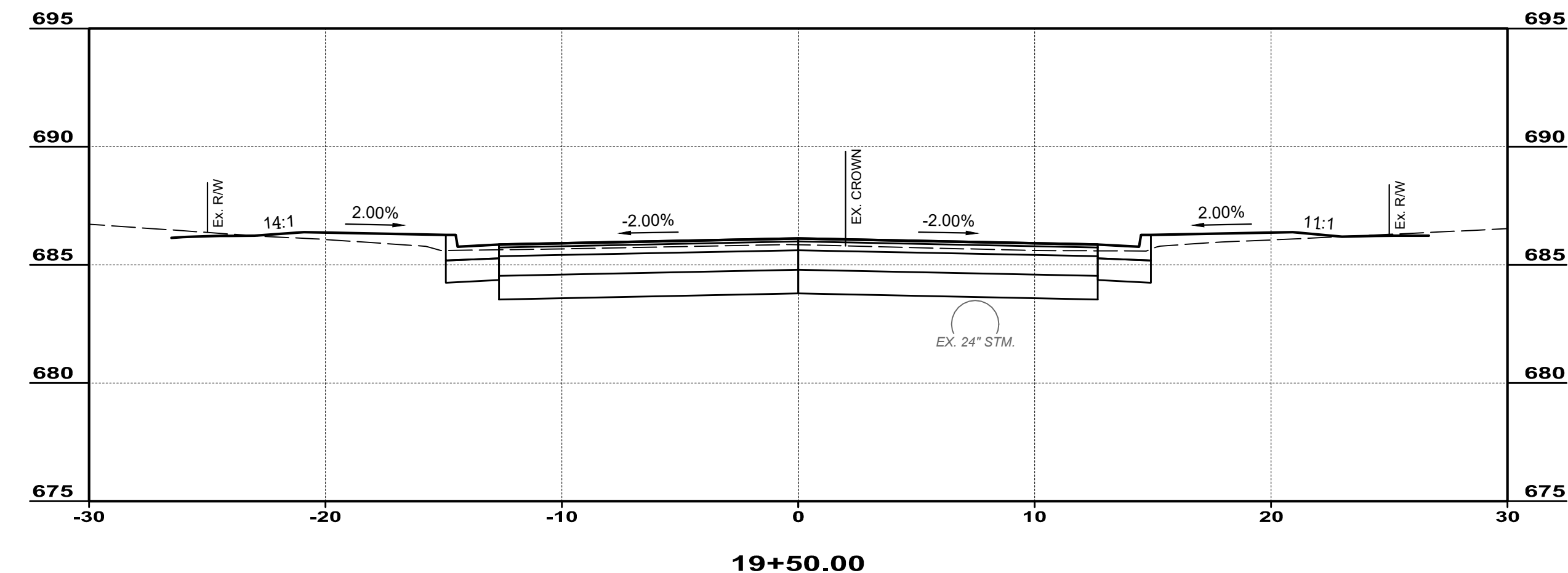
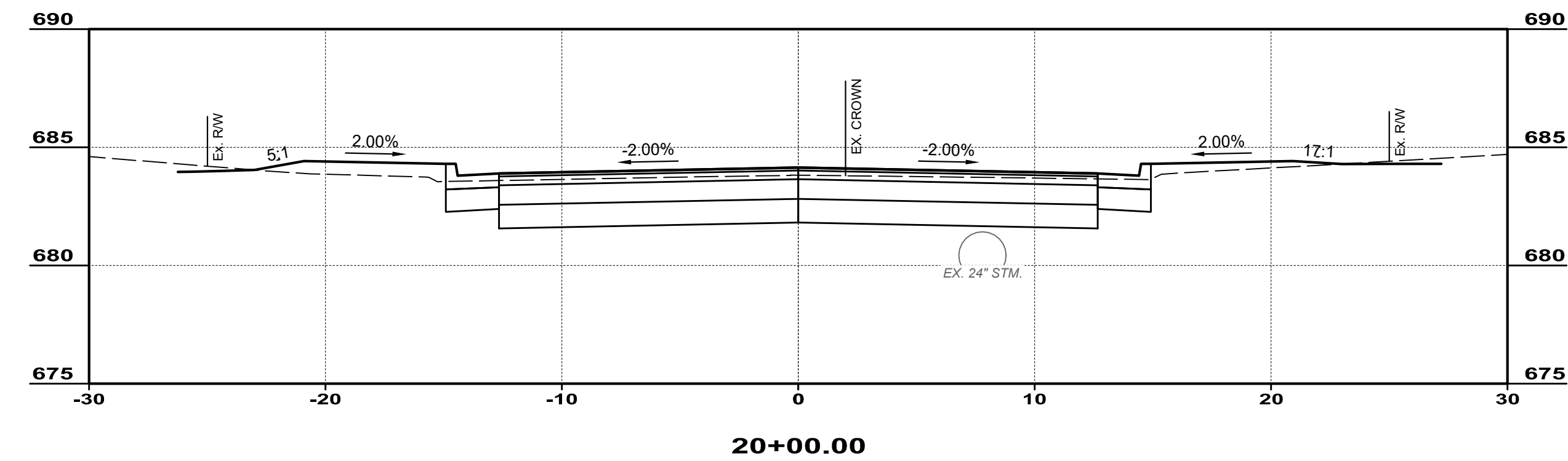
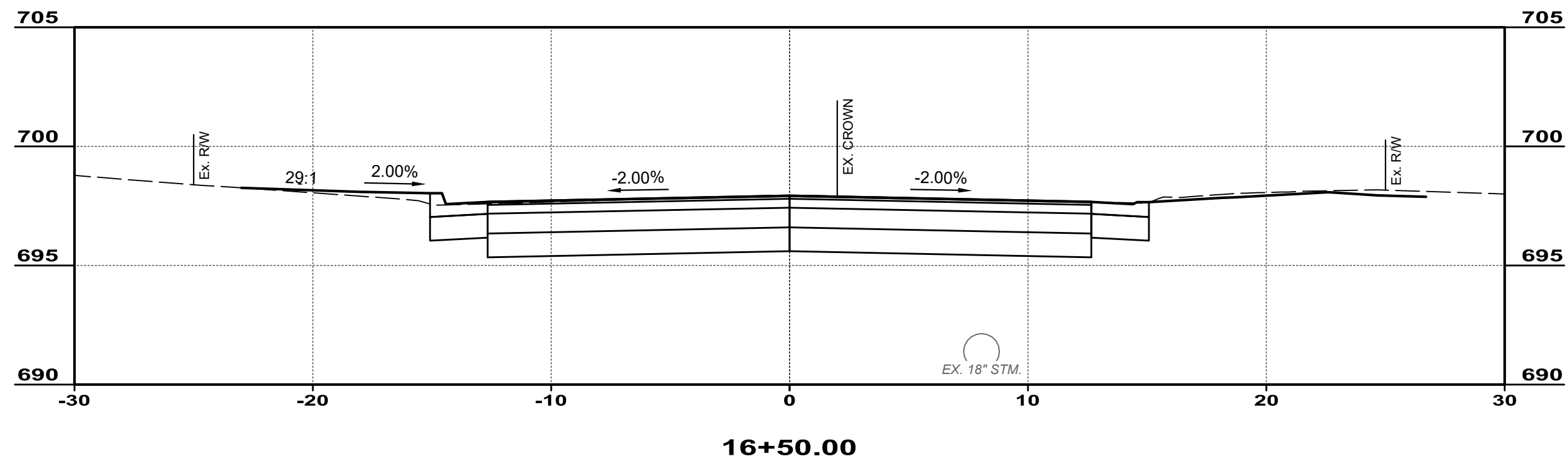
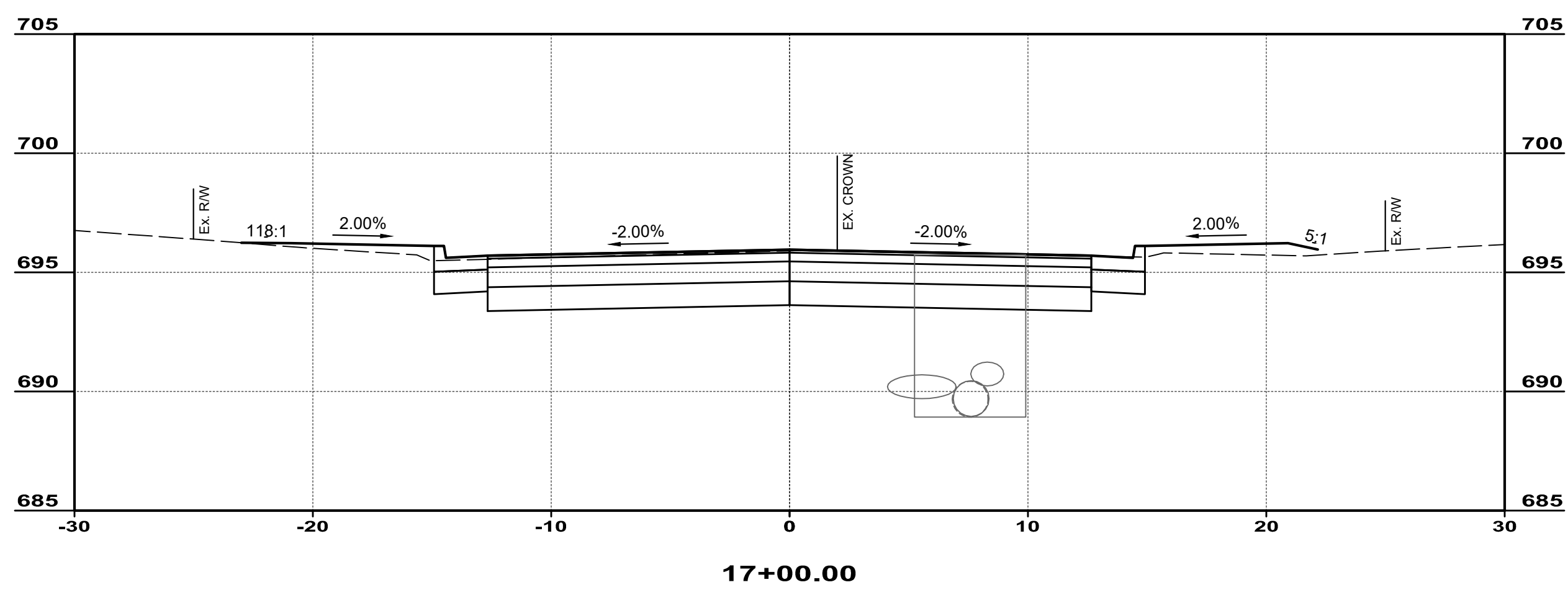
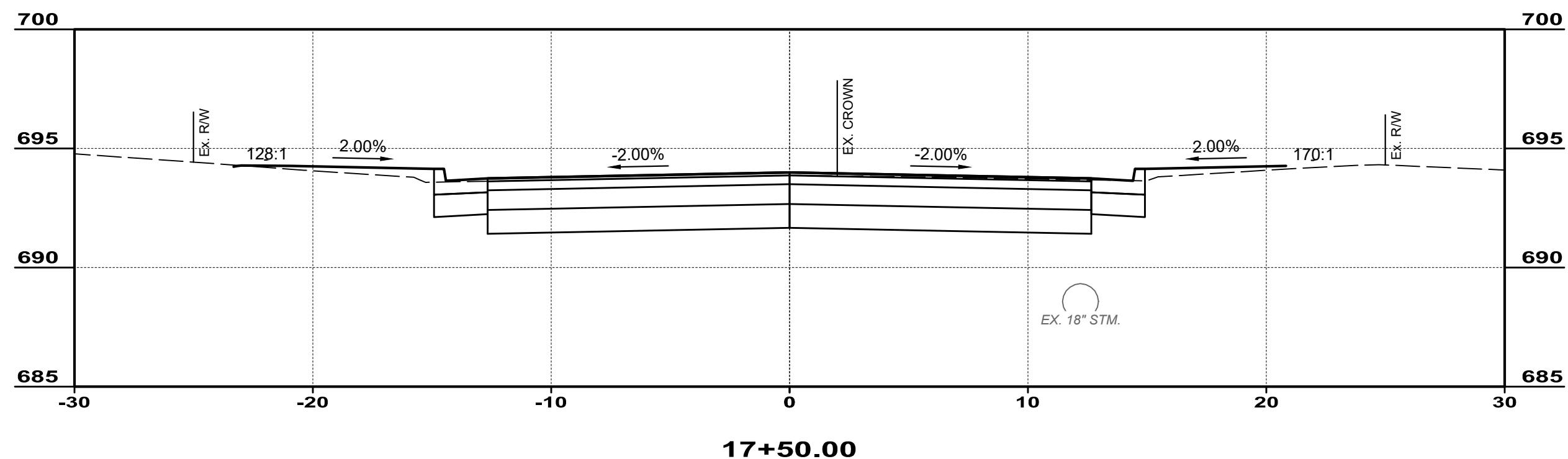
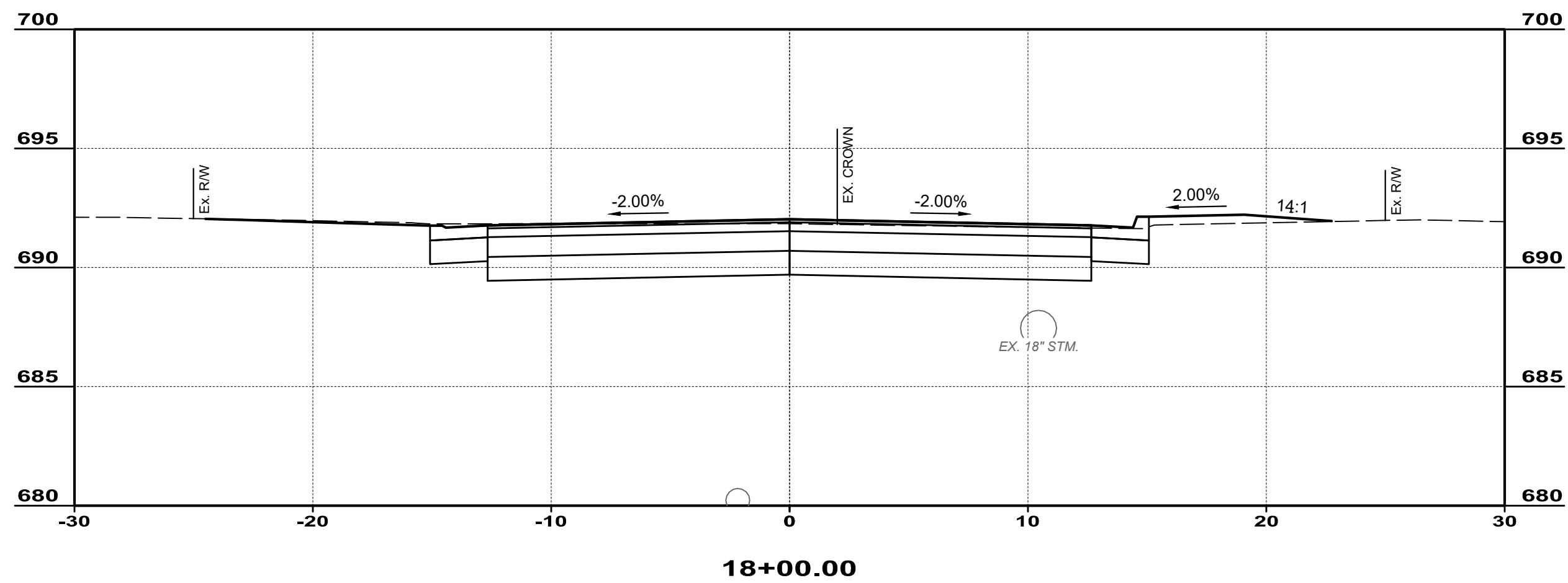
14+50.00



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SECTION - 12+50 - 16+00

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	SX04
SHEET	20
OF	21



ISSUED FOR:	BID NO.	DATE
ISSUE DATE: 01/24/2024		
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REDNA TERRACE AND CHESTER ROAD
 VILLAGE OF WOODLAWN, HAMILTON COUNTY, OHIO

SECTION - 16+50 - 20+00

PROJECT NO.	220619
DISCIPLINE	CIVIL
SHEET NAME	SX05
SHEET	21
OF	21