

ROADWAY IMPROVEMENT PLANS

KING ROAD (T.R.-100)

MIDDLETON TOWNSHIP, WOOD COUNTY, OHIO

CONVENTIONAL SIGNS

Center Line	2	3	4
Section Line			
Right-of-Way Line		R\W	
Existing Pavement			
Proposed Pavement			
Fire Hydrant	○	Survey Monument	⊕
Utility Poles: Power	⌘	Telephone	⌘
Catch Basins: Existing	□	Proposed	■
Manholes: Existing	○	Proposed	●
Property Line	—	(in existing fence)	—x—x—
Fence Lines: Existing	—x—x—	Proposed	—x—x—
Guardrail: Existing	—o—o—	Proposed	—o—o—
Existing Underground Utilities:			
Sanitary Sewer	—San—	Storm Sewer	—S—
Telephone Cable	—T—	Water Line	—W—

INDEX OF SHEETS

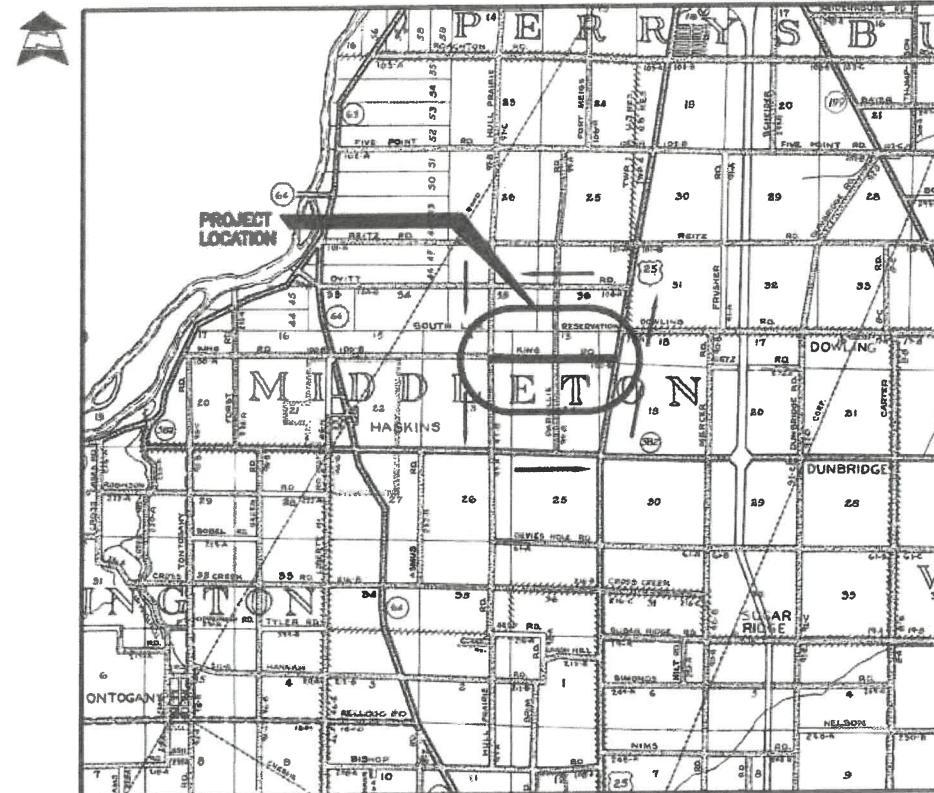
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LINE DATA

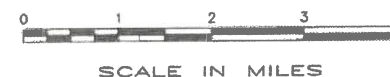
Begin Work	Sta. 100+26
End Work	Sta. 175+05
Length of Work	7479 Lin. Ft. or 1.42 Miles
Begin Project	Sta. 100+41
End Project	Sta. 174+80
Length of Project	7439 Lin. Ft. or 1.41 Miles

SCALES

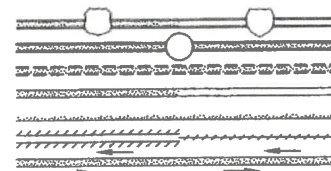
Plan	0	50
Cross Sections	Horizontal	0
	Vertical	0



LOCATION MAP



FEDERAL HIGHWAYS
STATE HIGHWAYS
COUNTY ROADS
TOWNSHIP ROADS
CORPORATION LINES
TOWNSHIP LINES
DETOURS



SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS					
O.D.O.T. DRWG.	DATE	O.D.O.T. DRWG.	DATE	WOOD COUNTY DRAWING	PAGE
BP-3.1	2-21-92				
BP-4.1	2-21-92				

PROJECT DESCRIPTION

ROADWAY WIDENING AND RESURFACING OF KING ROAD (TR 100) FROM SR 25 TO HULL PRAIRIE ROAD (TR 97).

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL, AND THE WOOD COUNTY CONSTRUCTION STANDARDS SHALL GOVERN THIS PROJECT.

APPROVALS

WE, THE TRUSTEES OF MIDDLETON TWP, WOOD COUNTY IN FORMAL SESSION, HEREBY APPROVE THESE PLANS AND CERTIFY THAT THE NECESSARY RIGHT-OF-WAY IS AVAILABLE. WE AGREE TO MAINTAIN THE PROJECT IN A MANNER SATISFACTORY TO THE DIRECTOR OF TRANSPORTATION, STATE OF OHIO, OR HIS DULY AUTHORIZED REPRESENTATIVE AND WILL MAKE AMPLE PROVISIONS EACH YEAR FOR SUCH MAINTENANCE.

PERFORMED UNDER AUTHORITY OF SECTION 5555.02 ET. SEQ. AND SECTION 5535.01 ET. SEQ. OF THE OHIO REVISED CODE.

BOARD OF MIDDLETON TOWNSHIP TRUSTEES

DATE APPROVED: 6-16-21

APPROVED Donald Cromley
DONALD CROMLEY

APPROVED Mike Moulton
MIKE MOULTON

APPROVED Fred Vetter
FRED VETTER

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE ROADWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH IN THESE PLANS AND ESTIMATES.

DATE APPROVED 14 Jul 2021 John M. Musteric
John M. Musteric, P.E., P.S.
WOOD COUNTY ENGINEER



UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

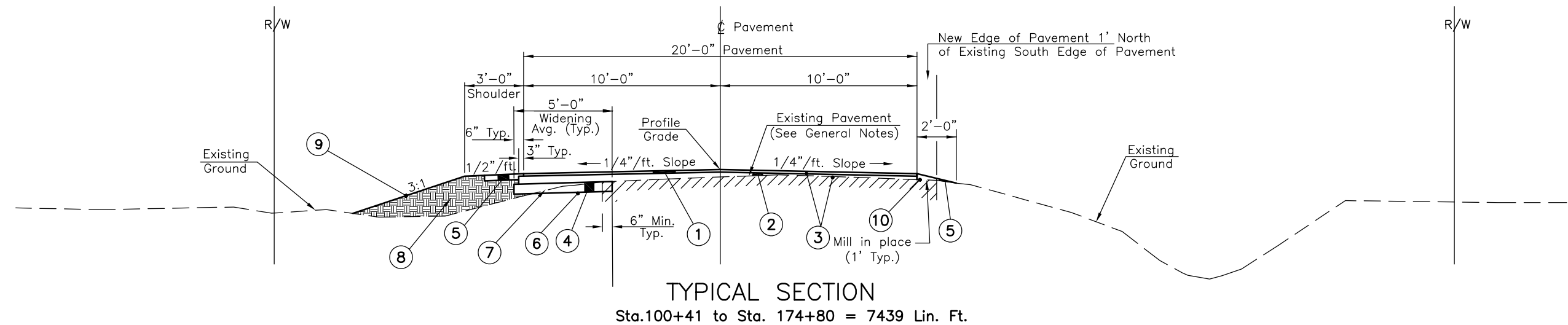
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

JOB NUMBER
REVIEWED
DESIGNED
TDM
DRAWN
JAB

TITLE SHEET

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

1
33



LEGEND

NON-RIGID PAVEMENT

Removal and disposal of existing non-rigid pavement shall be included with "Item 203 - Excavation, not including Embankment Construction" for payment.

PAVEMENT RESURFACING

Pavement areas designated for resurfacing shall be prepared and treated in accordance with Item 407 and Item 408. Feathered area shall be placed in accordance with O.D.O.T. Std. Constr. Dwg. "BP-3.1".

PAVEMENT WIDENING

Pavement areas designated for widening shall be installed as per Typical Section shown above.

- ① ITEM 441: 1 1/2" ASPHALT CONCRETE, SURFACE COURSE TYPE-1, (448) PG64-22
- ② ITEM 441: THICKNESS VARIES (1" MINIMUM) ASPHALT CONCRETE, LEVELING COURSE TYPE-1, (448)
- ③ Item 407: Non Tracking Tack Coat
- ④ Item 301: 6" Bituminous Aggregate Base
- ⑤ Item 411: Stabilized Crushed Aggregate (2' Wide)
- ⑥ Item 204: Subgrade Compaction
- ⑦ Item 203: Excavation
- ⑧ Item 203: Embankment Construction
- ⑨ Item 659: Seeding & Mulching
- ⑩ Special: Mill in Place, As Per Plan



WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

DESIGNED TDM	REVIEWED RCC	REVISED PROJECT NUMBER CE39J
DRAWN JAB	APPROVED	

TYPICAL SECTIONS &
APPROACH DETAILS

KING ROAD IMPROVEMENT
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

GENERAL

ENGINEER

ALL REFERENCES TO THE STATE, THE DIRECTOR, THE ENGINEER OR THE INSPECTOR IN THE "STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS" (ODOT-CMS) MANUAL SHALL BE CONSIDERED REFERENCES TO THE WOOD COUNTY ENGINEER OR HIS DULY AUTHORIZED REPRESENTATIVE.

BEGINNING CONSTRUCTION

THE ENGINEER SHALL BE NOTIFIED SEVEN (7) DAYS PRIOR TO THE BEGINNING OF THE ACTUAL CONSTRUCTION.

PROFILE

THE PROPOSED PAVEMENT RESURFACING SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS. THE PROFILE GRADES AS SHOWN ON THE PLANS ARE ON THE CENTERLINE OF EXISTING PAVEMENT.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THE PLANS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE DISCRETION OF THE ENGINEER SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING THE COMPLETION OF THIS PROJECT.

ESTIMATED QUANTITIES

THE ESTIMATED QUANTITIES ARE FOR THE PURPOSE OF COMPETITIVE BIDDING AND ARE NOT NECESSARILY THE FINAL PAY QUANTITIES. FINAL FIELD MEASUREMENTS AND CALCULATIONS SHALL DETERMINE THE FINAL QUANTITY TO BE PAID.

SLAG

SLAG MATERIALS SHALL NOT BE USED ON THIS PROJECT.

MONUMENTS, BENCH MARKS, AND CONTROL POINTS

THE CONTRACTOR SHALL, PRIOR TO ACTUAL CONSTRUCTION, ERECT PROTECTIVE BARRICADES AROUND ALL VISIBLE SURVEY MONUMENTS TO REMAIN IN OR ADJACENT TO THE CONSTRUCTION LIMITS. ANY MONUMENT, BENCH MARK, CONTROL POINT, PROPERTY CORNER STAKE, PIN, OR MARKER DAMAGED OR DISTURBED BY CONSTRUCTION SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

HAUL ROADS

THE CONTRACTOR SHALL MAINTAIN HAUL ROADS IN A CONDITION ACCEPTABLE TO THE WOOD COUNTY ENGINEER. THE MAINTENANCE SHALL INCLUDE, BUT IS NOT LIMITED TO, THE REMOVAL OF MUD, STONE, AND OTHER MATERIALS FROM PAVEMENT SURFACES. HAUL ROUTES SHALL BE APPROVED BY THE WOOD COUNTY ENGINEER PRIOR TO CONSTRUCTION OF THIS PROJECT.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE THE FINAL ACCEPTANCE BY THE COUNTY, REPRESENTATIVES OF THE COUNTY ENGINEER AND THE CONTRACTOR SHALL MAKE INSPECTION OF ALL EXISTING SEWERS AND DITCHES WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE COUNTY. ALL NEW CONDUITS, 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 PROJECTS WILL BE ACCEPTED BY THE COUNTY. ALL EXISTING SEWERS AND DITCHES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE APPLICABLE ITEM 603-CONDUIT.

MAINTAINING DITCH FLOW

THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS AS TO MAINTAIN THE FLOW OF DITCHES AT ALL TIMES. THIS WORK SHALL CONSIST OF ALL OPERATIONS RELATED TO MAINTAINING DITCH FLOW INCLUDING PUMPING, FLUMING, ETC. THE PLANS FOR THE PROPOSED MAINTENANCE SHALL BE SUBMITTED TO THE WOOD COUNTY ENGINEER FOR APPROVAL AT LEAST FIVE (5) DAYS BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE, HOWEVER, FOR ANY DAMAGES CAUSED BY UPSTREAM FLOODING DUE TO HIS OPERATIONS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE APPLICABLE ITEM 603-CONDUIT.

INSPECTION & APPROVAL

ALL WORK PERFORMED WITHIN THE SCOPE OF THIS PROJECT SHALL BE SUBJECT TO INSPECTION AND THE APPROVAL OF THE WOOD COUNTY ENGINEER OR HIS DULY AUTHORIZED REPRESENTATIVE.

ROADWAY

NON-RIGID PAVEMENT REMOVAL

PAYMENT FOR THE REMOVAL AND DISPOSAL OF EXISTING NON-RIGID PAVEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 - EXCAVATION, NOT INCLUDING EMBANKMENT.

EROSION CONTROL

ITEM 601 - ROCK CHANNEL PROTECTION IS PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE SHALL NOT BE REMOVED IN ORDER TO PLACE THIS ITEM. THE ENGINEER WILL VERIFY AND NON-PERFORM QUANTITIES, AND/OR ADJUST LOCATIONS AND QUANTITIES OF THIS ITEM WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION. IN ADDITION, THIS ITEM SHALL MEET THE REQUIREMENTS OF ODOT-CMS SECTION 108.04

INTERSECTIONS

ALL INTERSECTIONS SHALL BE RESURFACED AND FEATHERED TO THE END OF THE RADI, A MINIMUM DISTANCE OF TWENTY-FIVE (25) FEET, OR "AS DIRECTED BY THE ENGINEER".

SEEDING AND MULCHING

QUANTITIES FOR SEEDING AND MULCHING ARE CALCULATED FOR THE SOIL AREAS INSIDE THE RIGHT-OF-WAY LINES AND WITHIN THE WORK LIMITS, AND FOR THE SOIL AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY A WORK AGREEMENT. THE SEED MIXTURE SHALL BE AS SPECIFIED FOR URBAN AREAS IN ACCORDANCE WITH ODOT-CMS SECTION 659.09 AND SHALL BE APPLIED AT THE RATE OF THREE (3) POUNDS PER 1,000 SQUARE FEET.

FARM DRAINS OR TILE

ALL FARM DRAINS OR TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS "AS DIRECTED BY THE ENGINEER". ONLY THOSE DRAINS WHICH ARE FREE OF SEWAGE OR POLLUTED WATER OF ANY KIND MAY BE CONNECTED INTO THE HIGHWAY DRAINAGE SYSTEM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE APPLICABLE ITEM 603 - CONDUIT.

EMBANKMENT CONSTRUCTION

EMBANKMENT CONSTRUCTION SHALL BE CONSIDERED AS ALL REPLACED EXCAVATION AND NEW EMBANKMENT WITHIN THE PROJECT LIMITS. EMBANKMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT-CMS ITEM 203 EXCEPT AS MODIFIED BY SECTION 503.10. THE COMPOSITION OF EMBANKMENT MATERIAL USED WITHIN THE TOP 6" PLACED, SHALL BE FREE OF STONES AND SHALL NOT CONTAIN MORE THAN 50% SAND UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER. THIS APPLIES TO ALL AREAS TO BE SEEDED WITHIN THE PROJECT LIMITS.

CLEARING AND GRUBBING

A LUMP SUM QUANTITY AS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. THIS ITEM INCLUDES MINOR TREE TRIMMING, SHRUB AND BRUSH REMOVAL, AND THE RELOCATION OF MAILBOXES, SIGNS, ETC.

REMOVAL OF EXISTING PIPES

THE REMOVAL OF ALL EXISTING PIPES WITHIN THE LIMITS OF PROPOSED EXCAVATION SHALL BE INCLUDED FOR PAYMENT IN THE UNIT BID PRICE FOR THE RESPECTIVE EXCAVATION ITEM UNLESS OTHERWISE ITEMIZED IN THE PLANS.

EXCAVATED MATERIALS

SURPLUS EARTH SHALL BE SPREAD OVER THE PROJECT SITE AND/OR ADJACENT PROPERTIES "AS DIRECTED BY THE ENGINEER" AND PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 203 - EMBANKMENT CONSTRUCTION. UNUSABLE OR EXCESS SUBGRADE MATERIAL SHALL BE REMOVED AND DISPOSED OF IN A MANNER SUITABLE TO THE ENGINEER AND PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 203 - EXCAVATION, NOT INCLUDING EMBANKMENT.

SPOILS REMOVAL

ALL SPOILS SHALL BE HAULED AWAY FROM THE SITE AND DISPOSED OF IN A MANNER SUITABLE TO THE ENGINEER. THE COST OF HAULING SAID SPOILS SHALL BE INCLUDED IN THE PERTINENT UNIT BID PRICE.

MAILBOXES

MAILBOXES SHALL BE REMOVED AND STORED IN ACCORDANCE WITH ODOT-CMS SECTION 107.10. UPON COMPLETION OF THIS PROJECT, THE MAILBOXES SHALL THEN BE RESET BY THE EDGE OF PAVEMENT, SUCH THAT; THE MAXIMUM HEIGHT IS 3'-6" ABOVE THE EDGE OF PAVEMENT, THE BOX DOES NOT ENCROACH UPON THE PAVEMENT, AND THE ACCESS TO THE BOX IS ADEQUATE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 - CLEARING AND GRUBBING.

SIGNS

SIGNS REMOVED SHALL BE RELOCATED IN ACCORDANCE WITH ODOT-CMS ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS AND AS DETAILED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

DRIVEWAYS AND MAILBOX APPROACHES

ALL DRIVEWAYS AND MAILBOX APPROACHES SHALL BE ADJUSTED TO MEET THE NEW PAVEMENT SURFACE. DRIVEWAYS SHALL BE FEATHERED A MINIMUM DISTANCE OF TEN (10) FEET, OR "AS DIRECTED BY THE ENGINEER". ITEM 448 - ASPHALT CONCRETE SHALL BE APPLIED TO ASPHALT APPROACHES AND ITEM 411 -STABILIZED CRUSHED AGGREGATE SHALL BE APPLIED TO STONE APPROACHES. ITEM 304 - AGGREGATE BASE SHALL BE USED TO WIDEN EXISTING DRIVEWAY AND MAILBOX APPROACHES "AS DIRECTED BY THE ENGINEER". THE COST FOR EXCAVATION AND EMBANKMENT REQUIRED FOR WIDENING SHALL BE INCLUDED WITH ITEM 304 FOR PAYMENT.

WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio



JOB NUMBER		PROJECT NUMBER	
REVIEWED	RCC	APPROVED	****
DESIGNED	TDM	DRAWN	SPJ

GENERAL NOTES

KING ROAD IMPROVEMENT
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

PAVEMENT

PAVEMENT PREPARATION

THE EXISTING PAVEMENT SURFACE SHALL BE CLEANED AND MAINTAINED FREE OF ACCUMULATED MATERIAL IN ACCORDANCE WITH ODOT-CMS SECTION 401.14.

PAVEMENT REPAIR

PAVEMENT REPAIR WORK WITHIN THE RESURFACING AREA. SHALL CONSIST OF SPOT LEVELING AND/OR PATCHING OPERATIONS APPLIED IN ADVANCE OF THE LEVELING COURSE. ALL WORK SHALL BE IN ACCORDANCE WITH ITEM 253 – PAVEMENT REPAIR AND "AS DIRECTED BY THE ENGINEER".

AGGREGATE BASE, AS PER PLAN

MATERIALS FURNISHED FOR ITEM 304 – AGGREGATE BASE SHALL EXCLUDE THE USE OF ALL SLAGS.

LEVELING COURSE APPLICATION

THE ASPHALT PAVER SHALL BE EQUIPPED WITH A FORTY (40) FOOT LONGITUDINAL BEAM WHEN APPLYING THE LEVELING AND SURFACE COURSES. ALL LONGITUDINAL JOINTS SHALL BE STAGGERED BETWEEN COURSES.

TACK COAT

TACK COAT AND COVER AGGREGATE OPERATIONS SHALL BE IN ACCORDANCE WITH ODOT-CMS ITEM 407. THE RATE OF APPLICATION OF THE TACK COAT SHALL BE SUBJECT TO ADJUSTMENT "AS DIRECTED BY THE ENGINEER". PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.08 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY. THE PAYMENT FOR COVER AGGREGATE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 407 – TACK COAT.

PAVEMENT JOINT

WHERE THE PROPOSED PAVEMENT MEETS THE EXISTING PAVEMENT, A "FEATHERED EDGE" TYPE PAVEMENT JOINT SHALL BE APPLIED AS SHOWN ON ODOT STANDARD CONSTRUCTION DRAWING BP-3.1.

CONDUIT

CONDUIT

ALL CONDUIT ON THIS PROJECT SHALL BE REINFORCED CONCRETE PIPE (C-76, CLASS-3) IN ACCORDANCE WITH ODOT-CMS SECTION 706.02 OR 706.04, OR POLYVINYL CHLORIDE (PVC), ASTM DESIGNATIONS D-3034, SDR-35, IN ACCORDANCE WITH WOOD COUNTY CONSTRUCTION STANDARDS AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

CONDUIT BACKFILL

ALL CONDUITS INSIDE THE PAVED AREA SHALL BE BACKFILLED VERTICALLY TO THE TOP OF THE TRENCH AND Laterally to within 5 feet of the edge of pavement with granular material that meets the requirements of item 304. Payment for granular backfill shall be included in the unit bid price for applicable item 603 – CONDUIT.

CONDUIT BEDDING

ALL CONDUIT ON THIS PROJECT SHALL BE LAID ON CLASS "B" BEDDING. Payment for granular bedding shall be included in the unit bid price for the applicable item 603 – CONDUIT.

CONDUIT ENDS

ALL CONDUIT, WHETHER TERMINATING IN HEADWALLS OR ENDWALLS, SHALL BEGIN AND END WITH PIPE ENDS AS NORMALLY FABRICATED BY THE MANUFACTURER. ENDS SHALL NOT BE CUT TO FIT EITHER SKEW OR SLOPE.

FABRICATION OF CONNECTIONS

WHEN CONNECTING A SMALLER PIPE BY BREAKING INTO AN EXISTING LARGE PIPE CULVERT, THE LEAD PIPE SHALL BE TRIMMED TO FIT THE INSIDE CIRCUMFERENCE OF THE LARGE PIPE. Payment for this work shall be included in the unit bid price for the applicable item 603 – CONDUIT.

EXISTING PIPES AND UTILITIES

WHERE THE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPES OR UTILITIES, BOTH AS TO LINE AND GRADE, BEFORE STARTING TO LAY THE PROPOSED CONDUIT. IF IT IS DETERMINED THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS. IF IT IS DETERMINED THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. Payment for all operations described above shall be included in the contract price for the pertinent item 603 –CONDUIT.

MAINTAINING TRAFFIC

BARRICADES, LIGHTS, AND SIGNS

THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN STANDARD 48"x30" "CONSTRUCTION AHEAD" SIGNS, SIGN SUPPORTS, BARRICADES, GATES, AND LIGHTS (AS DETAILED IN STANDARD CONSTRUCTION DRAWING MT-101.60) AT THE FOLLOWING LOCATIONS DURING CONSTRUCTION:

- 1. KING ROAD, JUST EAST OF HULL PRAIRIE ROAD
- 2. KING ROAD, JUST NORTH AND SOUTH OF PARGILLIS ROAD
- 3. KING ROAD, JUST WEST OF STATE ROUTE 25.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ODOT-CMS ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS AND AS DETAILED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". Payment for all labor, equipment, and materials shall be included in the lump sum bid price for item 614 – MAINTAINING TRAFFIC.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN THREE AND ONE-HALF (3 1/2) INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

UTILITIES

UNDERGROUND UTILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 OF THE OHIO REVISED CODE. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE EXACT LOCATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WOOD COUNTY MAKES NO GUARANTEES AS TO THEIR ACCURACY OR COMPLETENESS.

UTILITY NOTIFICATION

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITY PROTECTION SERVICES (OUPS 800-362-2764) AND THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE AT LEAST TWO (2) WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS) PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ANY AREA WHICH MAY INVOLVE UNDERGROUND UTILITIES.

UTILITY STAKING

THE OWNER OF THE UNDERGROUND UTILITY SHALL, WITHIN TWO (2) DAYS (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS) AFTER NOTICE IS RECEIVED, STAKE, MARK, OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO (2) DAYS AHEAD OF THE PLANNED CONSTRUCTION IN ACCORDANCE WITH SEC. 153.64 OF THE OHIO REVISED CODE.

UTILITY ADJUSTMENT

ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES SHALL BE PERFORMED BY AND AT THE EXPENSE OF THE RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY EACH RESPECTIVE UTILITY COMPANY AT LEAST SEVEN (7) DAYS PRIOR TO THE TIME OF CONSTRUCTION.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE LIMITS OF THIS PROJECT:

TELEPHONE:
FRONTIER
300 W GYPSY LANE ROAD
BOWLING GREEN, OH 43402
PHONE: (419) 354-9449
ATTN: BRIAN SPIRES

ELECTRICAL:
TOLEDO EDISON COMPANY
6099 ANGOLA ROAD
HOLLAND, OH 43528
PHONE: (419) 249-5218
ATTN: RANDY SWOPE

WATER AND SEWER:
NORTHWESTERN WATER
& SEWER DISTRICT
12560 MIDDLETON PIKE
P.O. BOX 348
BOWLING GREEN, OH 43402
PHONE: (419) 354-9090
FAX: (419) 354-9344
ATTN: TOM STALTER

GAS:
SUBURBAN NATURAL GAS COMPANY
P.O. BOX 130
274 E. FRONT STREET
CYGNET, OH 43413
PHONE: (419) 655-2345
ATTN: LOREN CASS

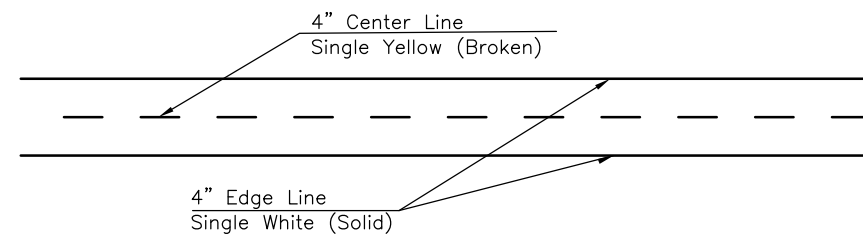
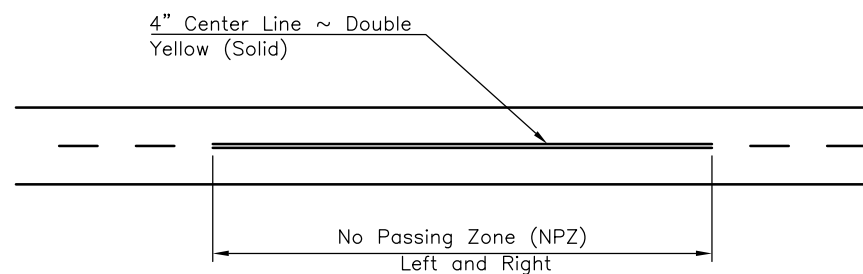
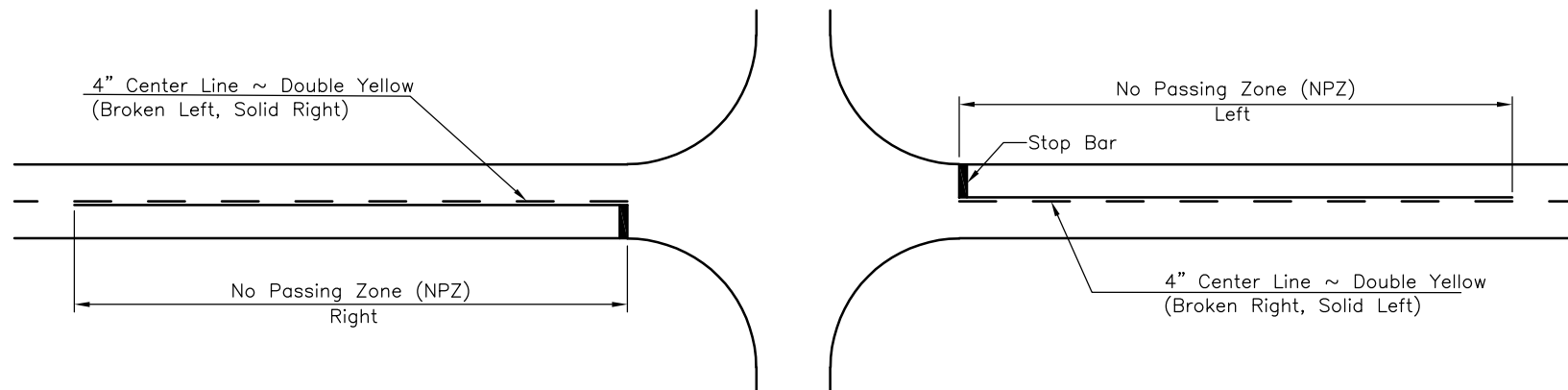
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio



JOB NUMBER		PROJECT NUMBER	
DESIGNED	REVIEWED	RCC	APPROVED
TDM			
DRAWN			
SPJ			

GENERAL NOTES

KING ROAD IMPROVEMENT
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP



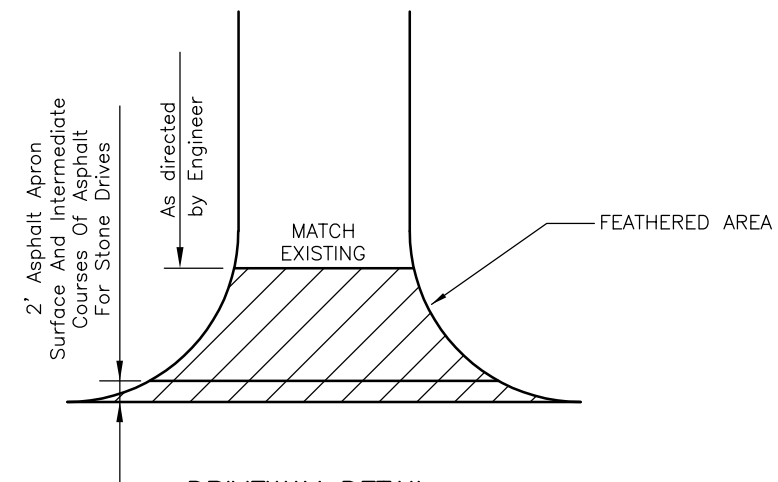
TYPICAL PAVEMENT MARKINGS

NOTES

Pavement Markings shall be applied in accordance with the "Ohio Manual of Uniform Traffic Control Devices" and as shown on this Sheet.

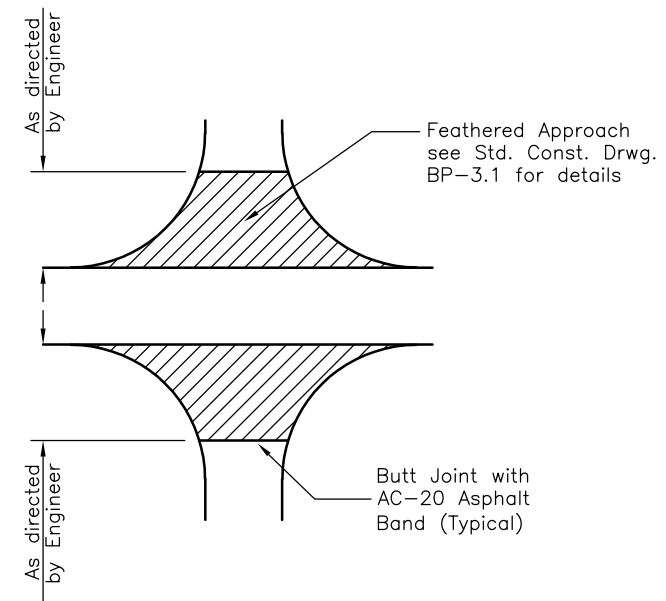
The following estimated quantities are carried to the General Summary.

- 642 - Center Lines 1.42 Miles
- 642 - Edge Lines 2.84 Miles
- 642 - Stop Lines 30 Lin. Ft.



DRIVEWAY DETAIL

(ITEM 411 FOR STONE DRIVEWAYS)
(ITEM 441 FOR ASPHALT OR CONCRETE DRIVEWAYS)



INTERSECTION DETAIL

(Item 448)



DESIGNED TDM	REVIEWED RCC	JOB NUMBER
DRAWN SPJ	APPROVED	PROJECT NUMBER *****

PAVEMENT MARKINGS
& DRIVE DETAILS

KING ROAD IMPROVEMENT
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

CROSS SECTION QUANTITIES							
SHEET NUMBER	STATION		659		203		
			Seeding and Mulching		Excavation	Embankment	
	FROM	TO/AT	Sq.Yd.		Cu.Yd.	Cu.Yd.	
14	100+15	103+00	268		26	75	
15	104+00	107+00	273		28	64	
16	108+00	111+00	268		28	72	
17	112+00	115+00	256		28	70	
18	116+00	119+00	289		23	110	
19	120+00	123+00	239		26	69	
20	124+00	127+00	278		28	78	
21	128+00	131+00	311		26	99	
22	132+00	135+00	217		32	46	
23	136+00	139+00	246		27	61	
24	140+00	143+00	227		24	53	
25	144+00	147+00	150		48	26	
26	148+00	151+00	189		46	30	
27	152+00	155+00	239		30	58	
28	156+00	159+00	256		28	64	
29	160+00	163+00	273		24	92	
30	164+00	167+00	317		24	122	
31	168+00	171+00	361		16	161	
32	172+00	175+00	222		13	85	
Totals to General Summary			4879		525	1435	

PAVEMENT SUMMARY																			
STATION		PROPOSED PAVEMENT		Average Width of Existing Pavement	Average Width of Proposed Widening	Area of Proposed Widening	Area of Proposed Pavement	203		204	301		254	SPECIAL	407	411	441		659
								Excavation	Embankment	Subgrade Compaction	6" Bituminous Aggregate Base		Pavement Planing (1 1/2" Avg.)	Mill in Place	Tack Coat (.08 gal./s.y.)	Stabilized Crushed Agg. (3 1/2" Avg)	1" Min. Asphalt Conc Intermediate Course	1 1/2" Asphalt Conc Surface Course	Seeding & Mulching
FROM	TO/AT	LENGTH Feet	WIDTH Feet	Feet	Feet	Sq.Yd.	Sq.Yd.	Cu.Yd.	Cu.Yd.	Sq.Yd.	Cu.Yd.		Sq.Yd.	Sq.Yd.	Gal.	Cu.Yd.	Cu.Yd.	Cu.Yd.	Sq.Yd.
100+41	174+80	7439	20	16.5	5.0	4133	16,531			4133	689			827	2645	322	819	689	
Add for Driveways															18	25		13	
Add for Feathered Approaches								5		25	5		323		36	20	12	14	
Add from Cross Section Quantities								525	1435										4879
Totals to General Summary								530	1435	4158	694		323	827	2699	367	831	716	4879

GENERAL SUMMARY			
ITEM	QUAN.	UNIT	DESCRIPTION
ROADWAY			
201	LUMP		Clearing and Grubbing
202	11.5	Sq. Ft.	Walk Removed
202	91	Sq. Yd.	Pavement Removed
202	30	Lin. Ft.	Pipe Removed
203	530	Cu. Yd.	Excavation
203	1435	Cu. Yd.	Embankment Construction
204	4158	Sq. Yd.	Subgrade Compaction
411	367	Cu. Yd.	Stabilized Crushed Aggregate
608	91	Sq. Yd.	Non–Reinforced Concrete Pavement, Class QC 1
659	4879	Sq. Yd.	Seeding & Mulching
659	0.42	Ton	Commercial Fertilizer
PAVEMENT			
254	323	Sq. Yd.	Pavement Planing, Asphalt Concrete
301	694	Cu. Yd.	Bituminous Aggregate Base
407	1700	Gal.	Non Tracking Tack Coat, as per plan
441	831	Cu. Yd.	Asphalt Concrete Leveling Course, Type 1, (448)
441	716	Cu. Yd.	Asphalt Concrete Surface Course, Type 1, (448) PG64–22
Special	827	Sq. Yd.	Mill in place (Existing Pavement)
DRAINAGE			
611	40	Lin. Ft.	12” Conduit, Type B (SDR 35)
PAVEMENT MARKINGS			
642	2.84	Mile	Edge Line
642	1.42	Mile	Center Line
642	30	Lin. Ft.	Stop Line
GENERAL			
614	LUMP		Maintaining Traffic
623	LUMP		Construction Layout Stakes and Surveying
624	LUMP		Mobilization

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Bowling Green, Ohio



DESIGNED
TDM

REVIEWED
RCC

JOB NUMBER

PROJECT NUMBER

APPROVED

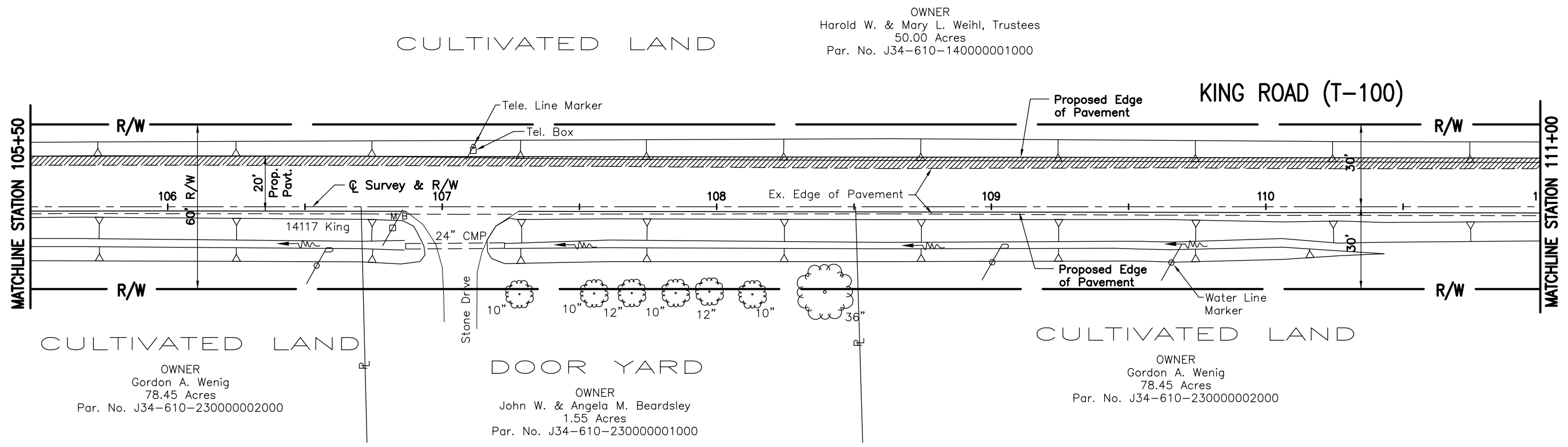
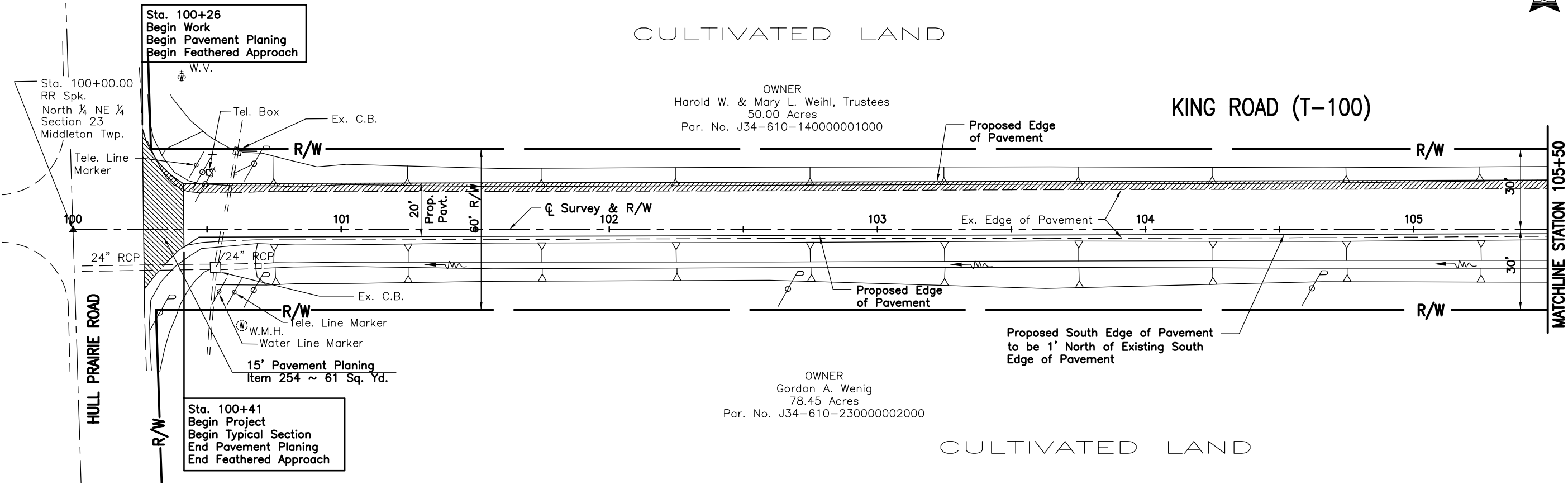
DRAWN
JAB

GENERAL SUMMARIES

KING ROAD IMPROVEMENT
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

6

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DESIGNED	REVIEWED	JOB NUMBER
TDM	RCC	
DRAWN	APPROVED	PROJECT NUMBER
JAB		****

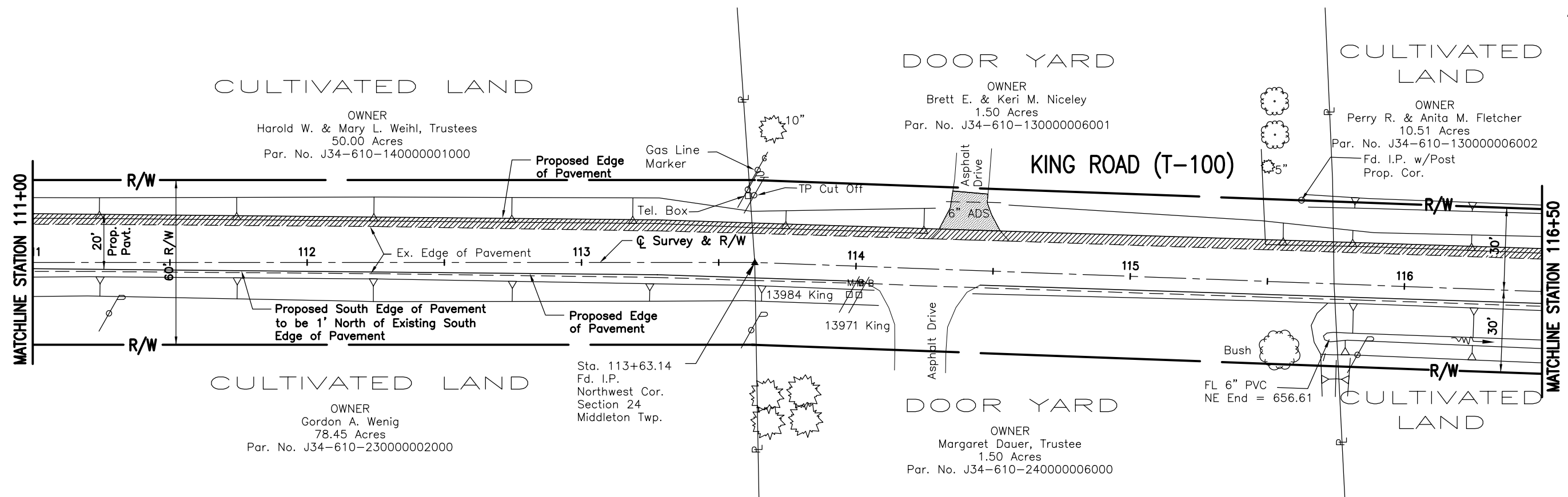
KING ROAD PLAN VIEW
STA 100+00 TO 111+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.

T6N, R10E, SECTION 14, MIDDLETON TOWNSHIP

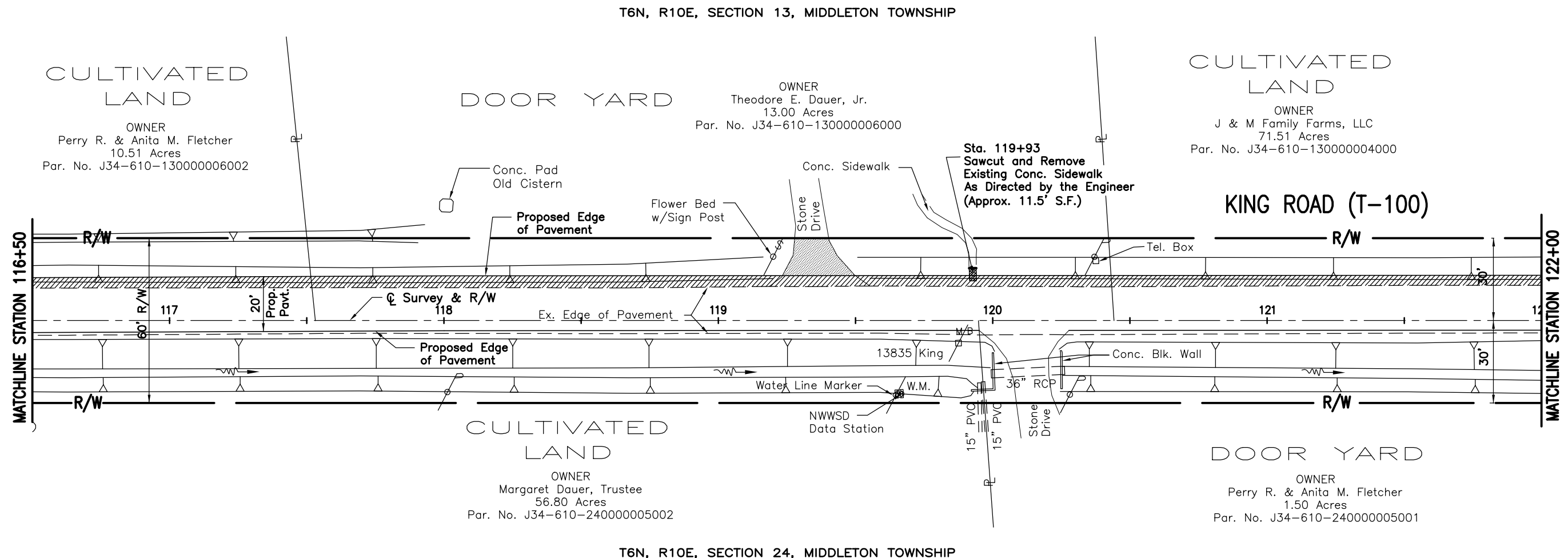
T6N, R10E, SECTION 13, MIDDLETON TOWNSHIP

SCALE: 1" = 40'



T6N, R10E, SECTION 23, MIDDLETON TOWNSHIP

T6N, R10E, SECTION 24, MIDDLETON TOWNSHIP



T6N, R10E, SECTION 24, MIDDLETON TOWNSHIP

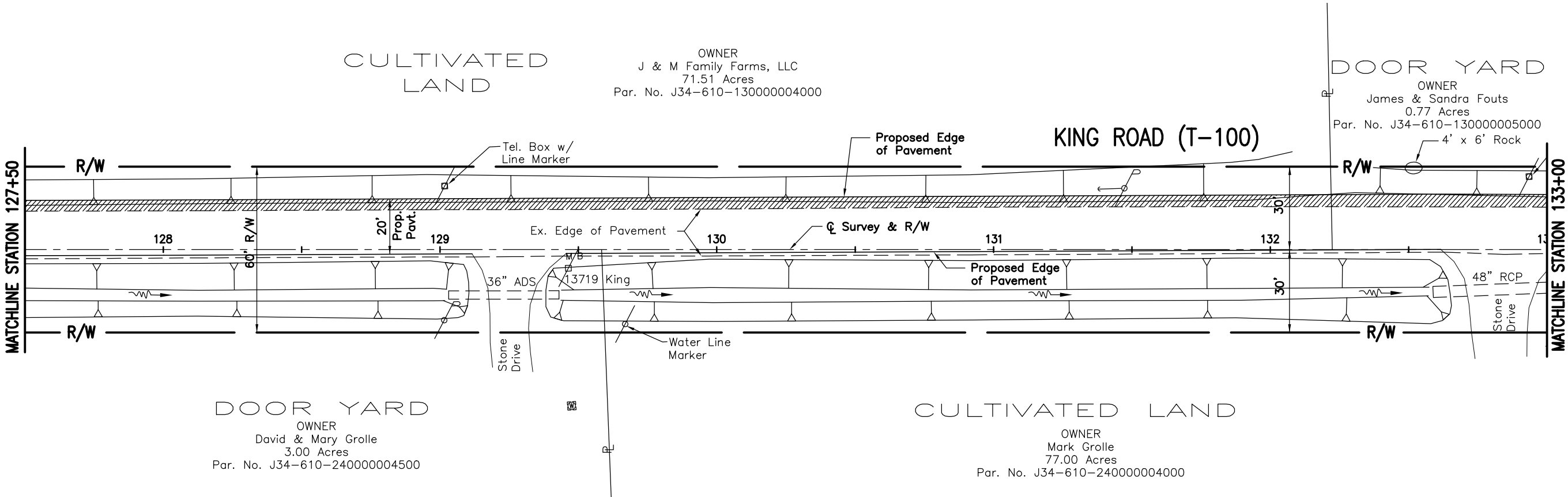
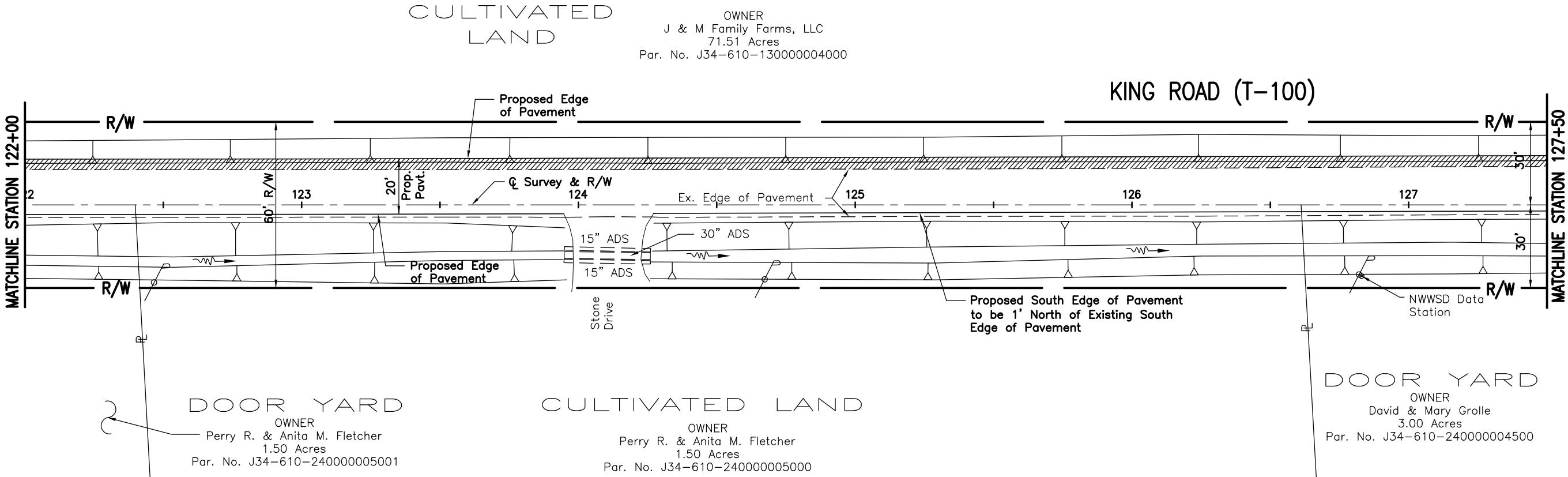
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DESIGNED	REVIEWED	JOB NUMBER
TDM	RCC	*****
DRAWN	APPROVED	PROJECT NUMBER
JAB		*****

KING ROAD PLAN VIEW
STA 111+00 TO 122+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.



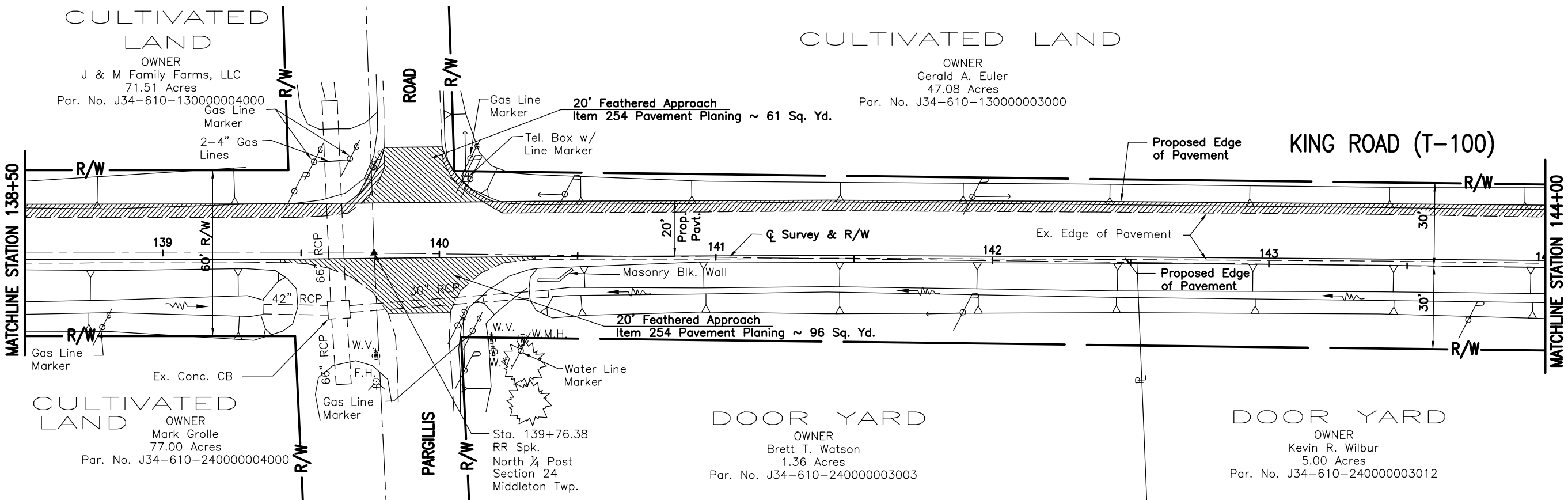
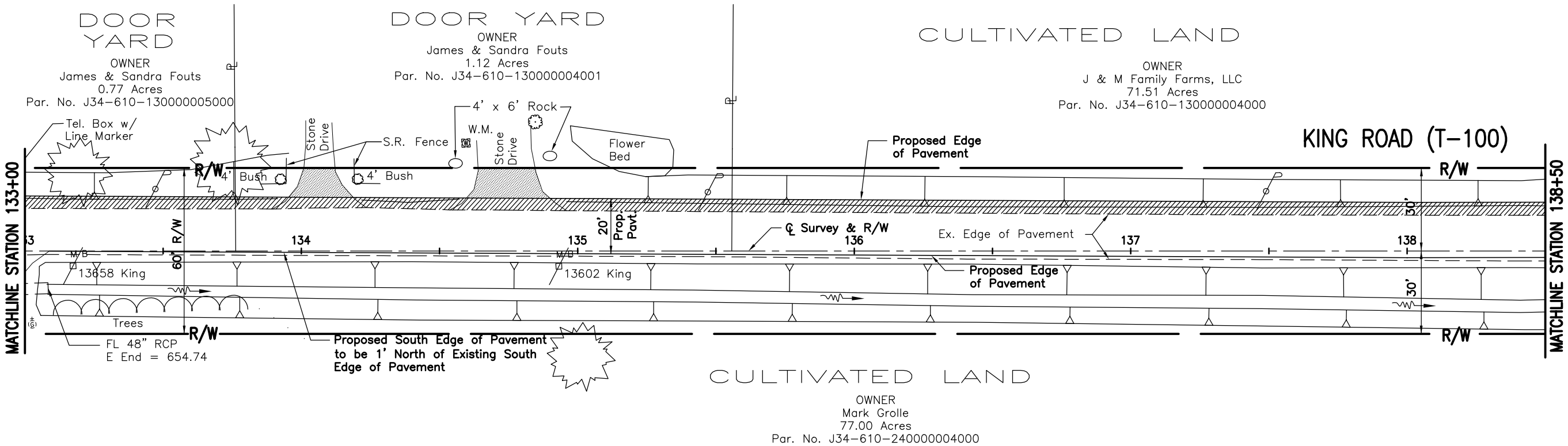
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DESIGNED TDM	REVIEWED RCC	JOB NUMBER
DRAWN JAB	APPROVED	PROJECT NUMBER ****

KING ROAD PLAN VIEW
STA 122+00 TO 133+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.



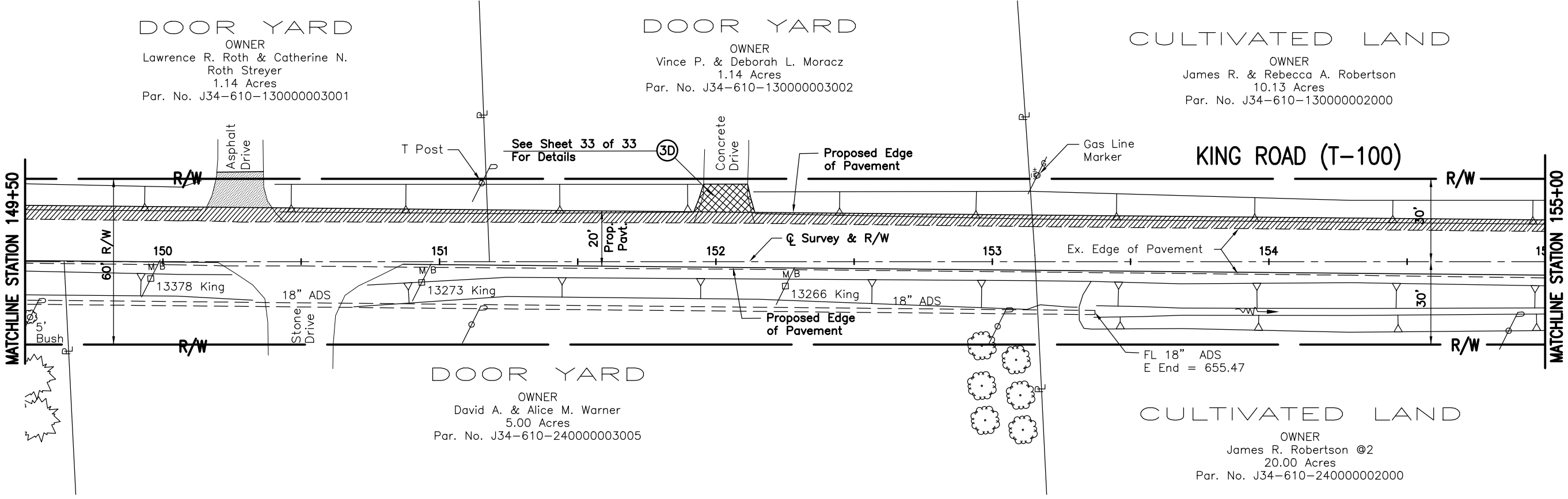
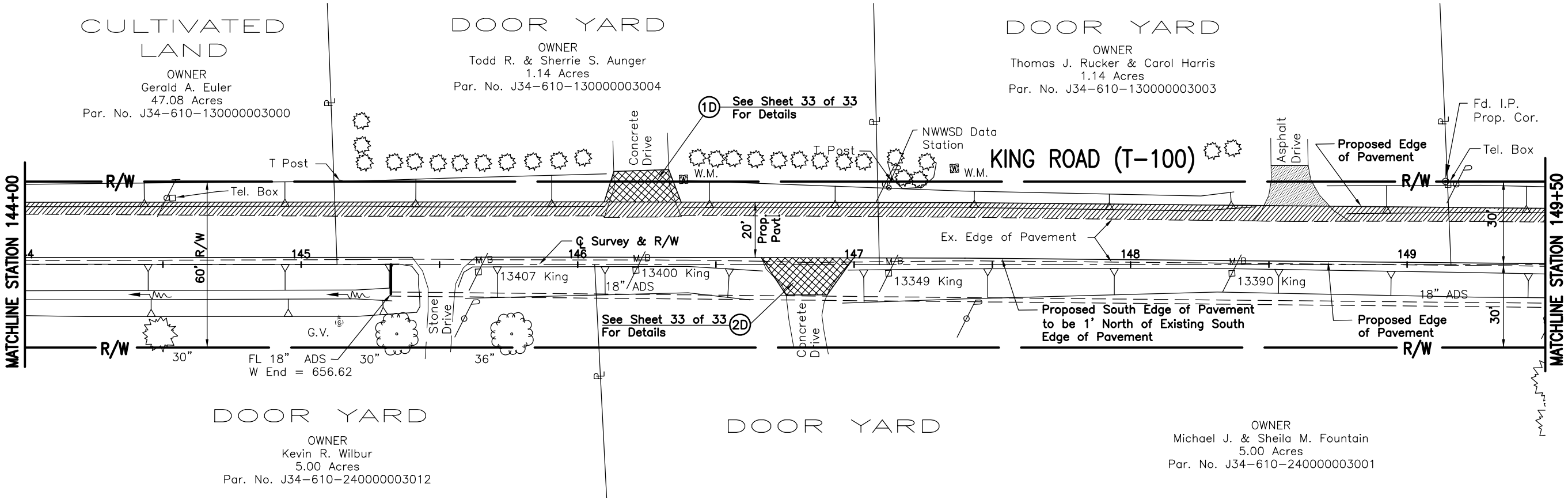
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Bowling Green, Ohio



DESIGNED	TDM	DRAWN	JAB
REVIEWED	RCC	APPROVED	
JOB NUMBER	PROJECT NUMBER	****	

KING ROAD PLAN VIEW
STA 133+00 TO 144+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.



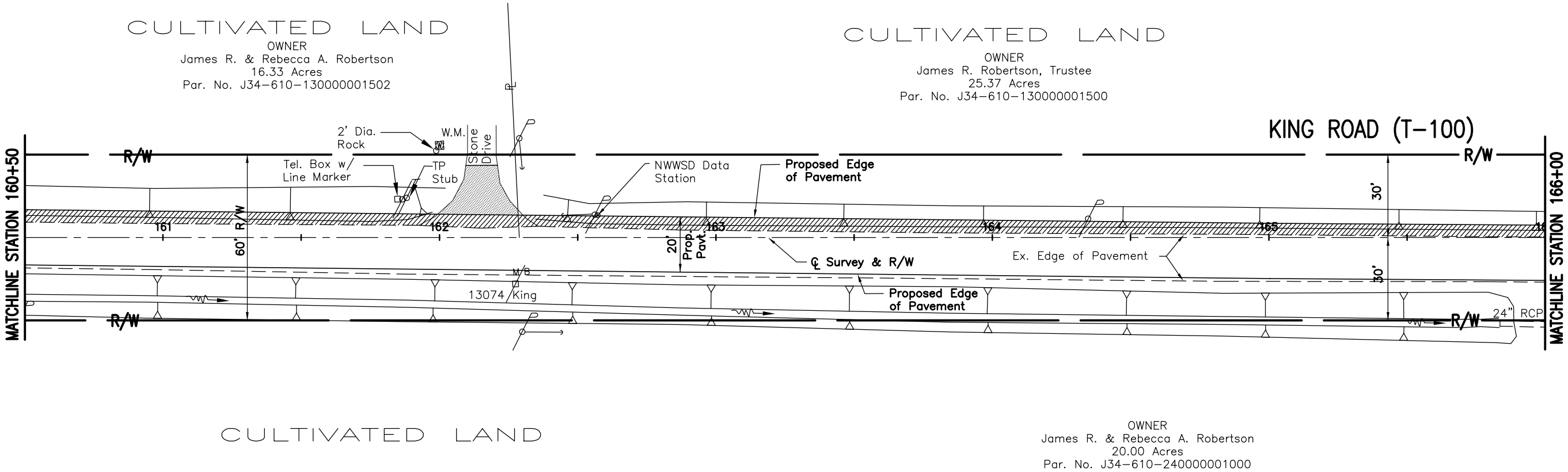
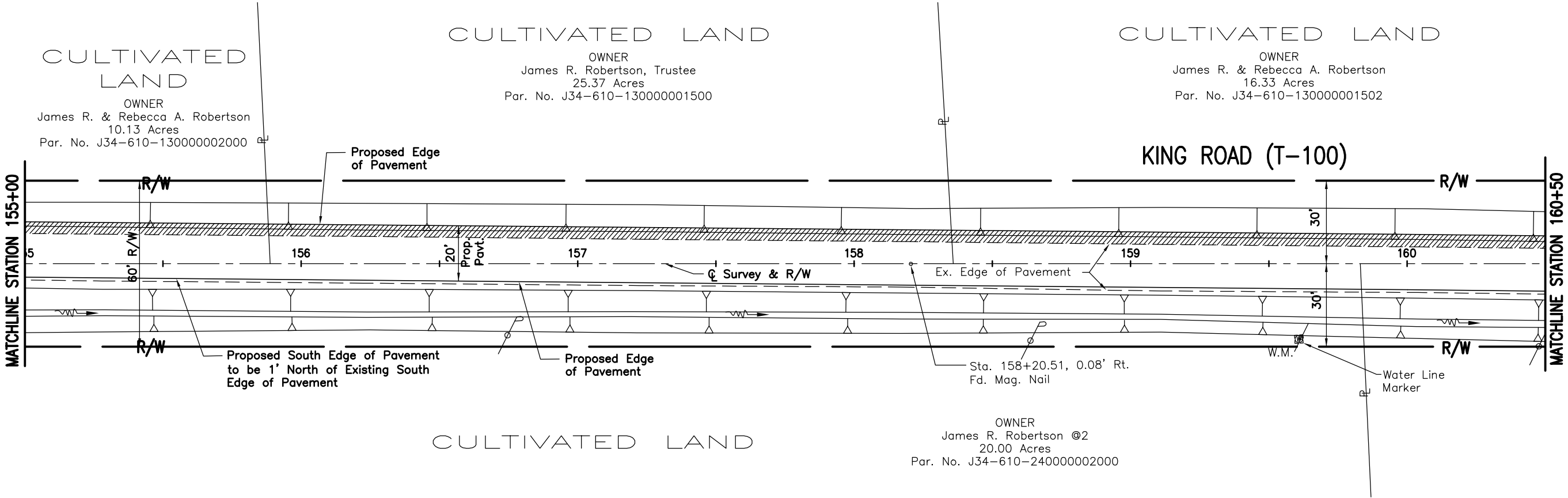
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DESIGNED	REVIEWED	JOB NUMBER
TDM	RCC	
DRAWN	APPROVED	PROJECT NUMBER
JAB		****

KING ROAD PLAN VIEW
STA 144+00 TO 155+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.



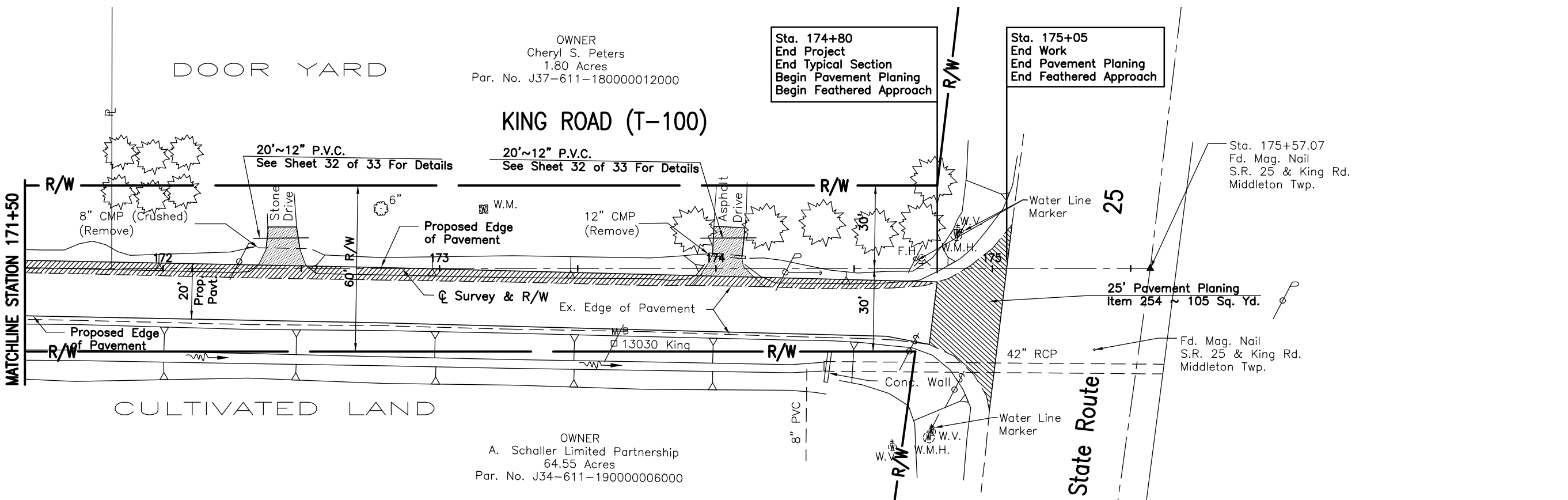
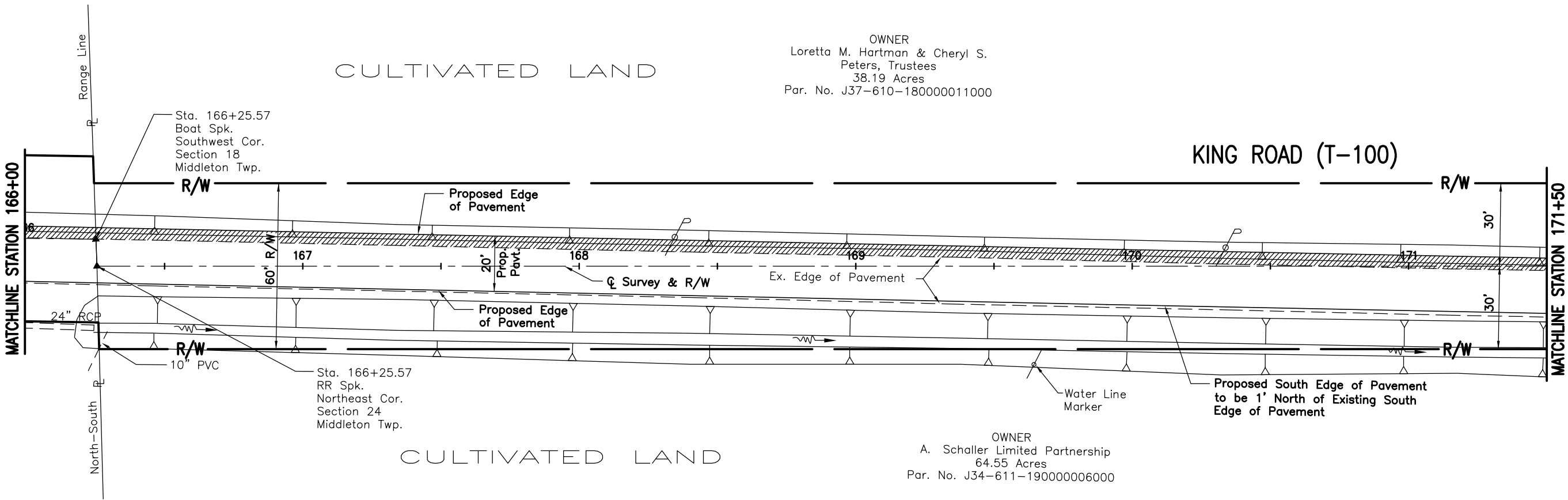
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DESIGNED TDM	REVIEWED RCC	JOB NUMBER
DRAWN JAB	APPROVED	PROJECT NUMBER ****

KING ROAD PLAN VIEW
STA 155+00 TO 166+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.



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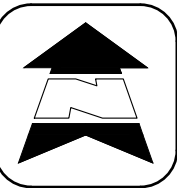
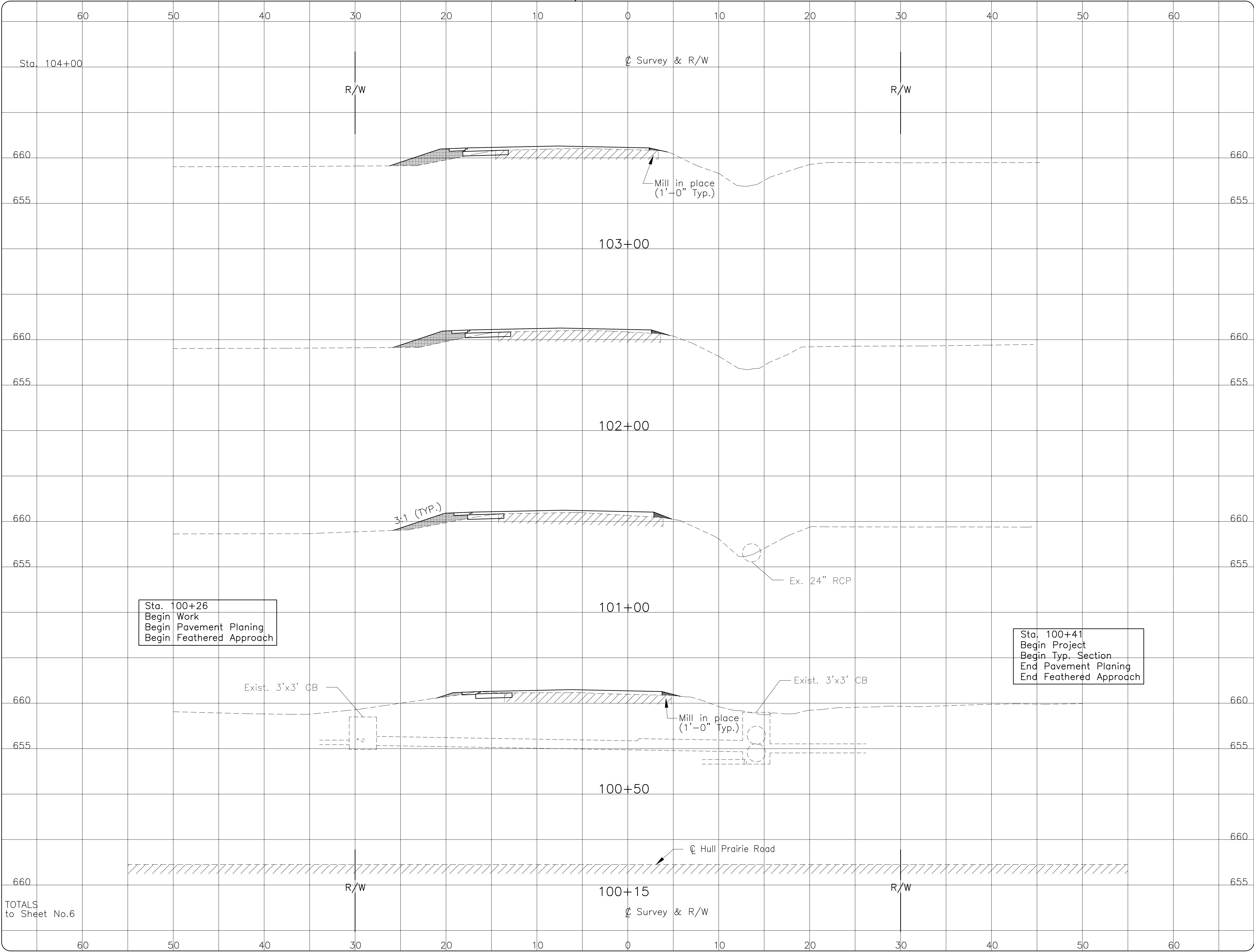


DESIGNED	REVIEWED	JOB NUMBER	PROJECT NUMBER
TDM	RCC		****
DRAWN	APPROVED		
JAB			

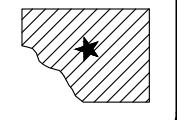
KING ROAD PLAN VIEW
STA 166+00 TO 175+67

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP.

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
7		2		6	
	78		6		24
7		1		7	
	78		6		24
7		2		6	
	78		7		20
7		2		5	
	28		5		6
3		3		1	
	6		2		1
0		0		0	
	268		26		75
TOTALS to Sheet No.6					



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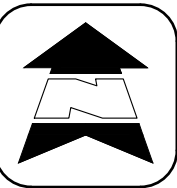
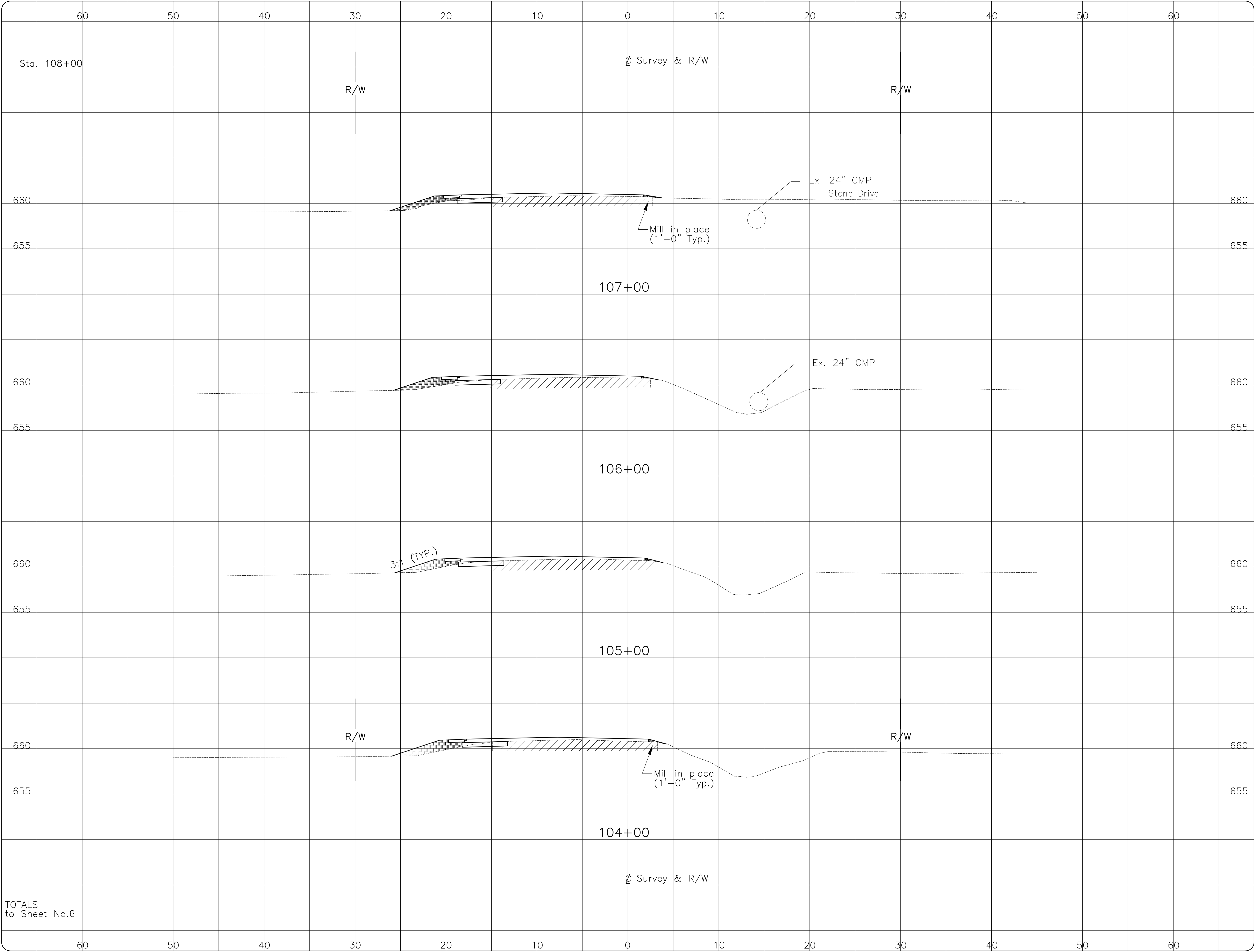


DESIGNED TDM	REVIEWED APPROVED	REVISOR PROJECT NUMBER
JAB		

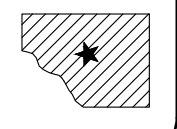
KING ROAD CROSS SECTIONS
STA 100+15 TO STA 103+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		4	
67			7		15
6		2		4	
67			7		15
6		2		4	
67			7		15
6		2		4	
67			7		15
6		2		4	
72			7		19
7		2		6	
273			28		64
TOTALS to Sheet No.6					



WOOD COUNTY ENGINEER'S OFFICE
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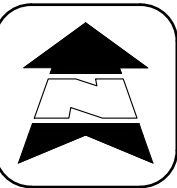
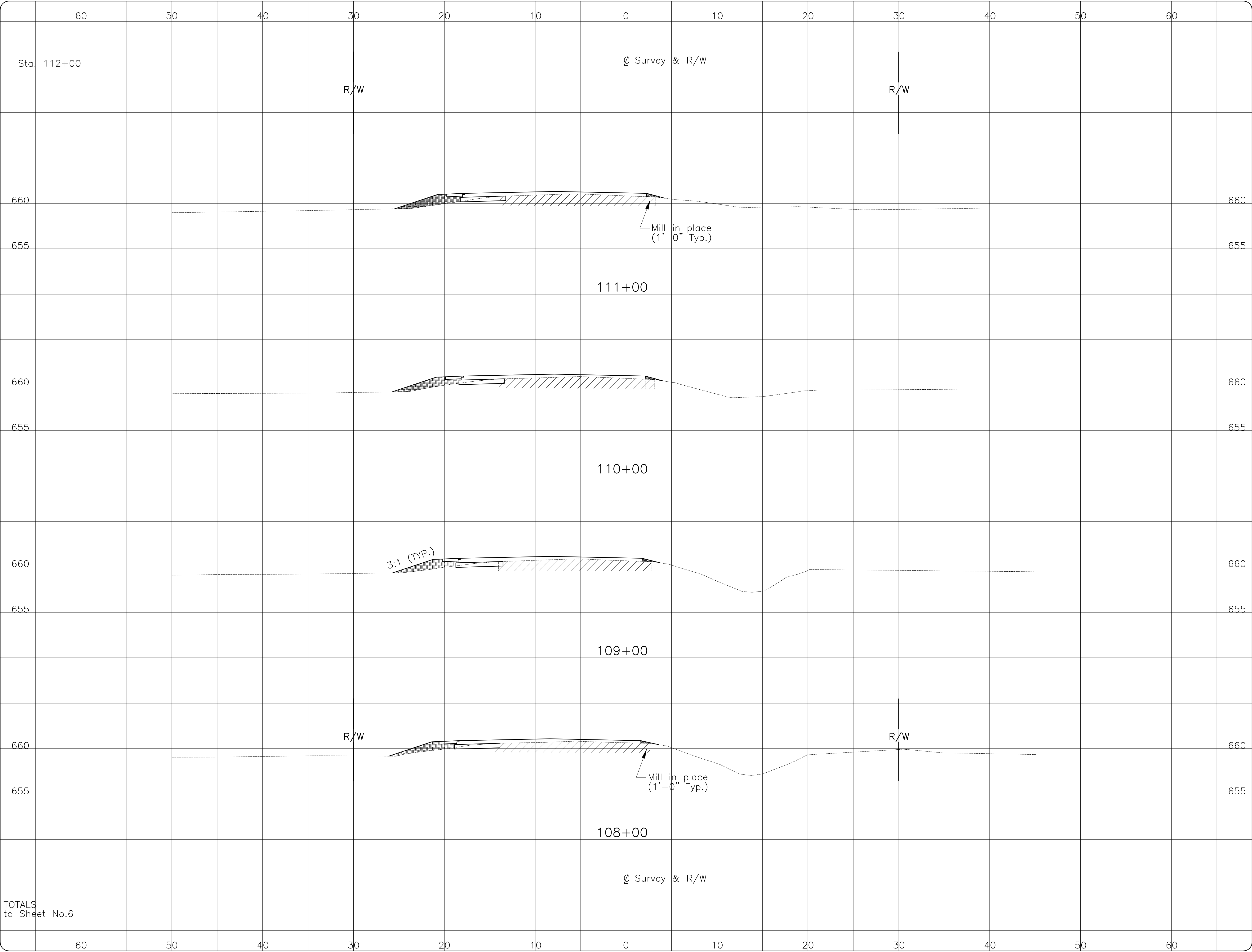


DESIGNED TDM	REVIEWED APPROVED	REVISED PROJECT NUMBER
JAB		

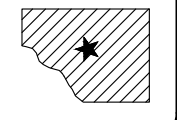
KING ROAD CROSS SECTIONS
STA 104+00 TO STA 107+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		4	
67			7		17
6		2		5	
67			7		19
6		2		5	
67			7		19
6		2		5	
67			7		17
6		2		4	
268			28		72



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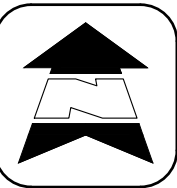
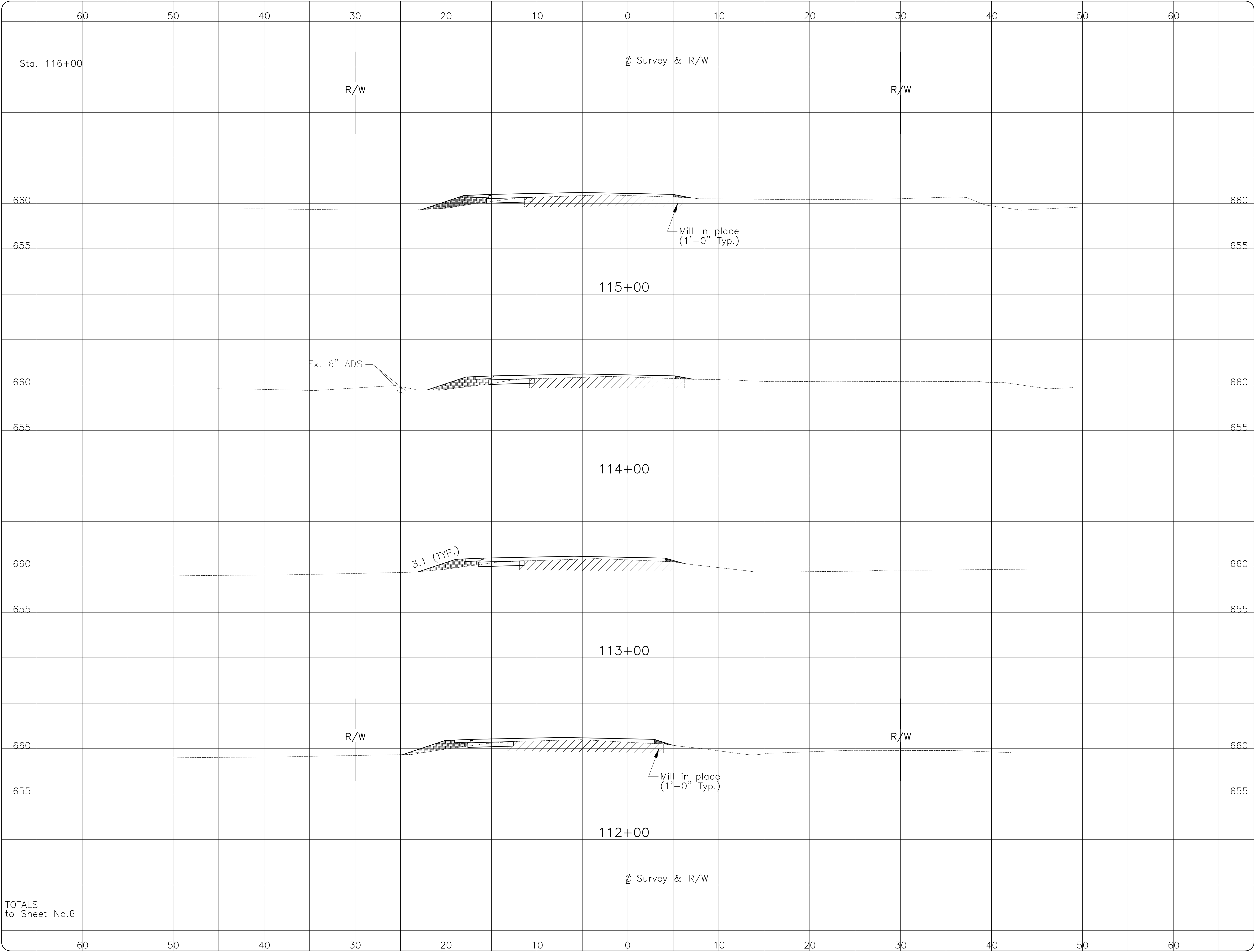


DESIGNED TDM	REVIEWED	REVISOR PROJECT NUMBER
DRAWN JAB	APPROVED	

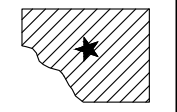
KING ROAD CROSS SECTIONS
STA 108+00 TO STA 111+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		6	
67			7		20
6		2		5	
67			7		19
6		2		5	
61			7		16
5		2		4	
61			7		15
6		2		4	
256			28		70
TOTALS to Sheet No.6					



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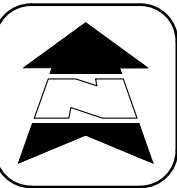
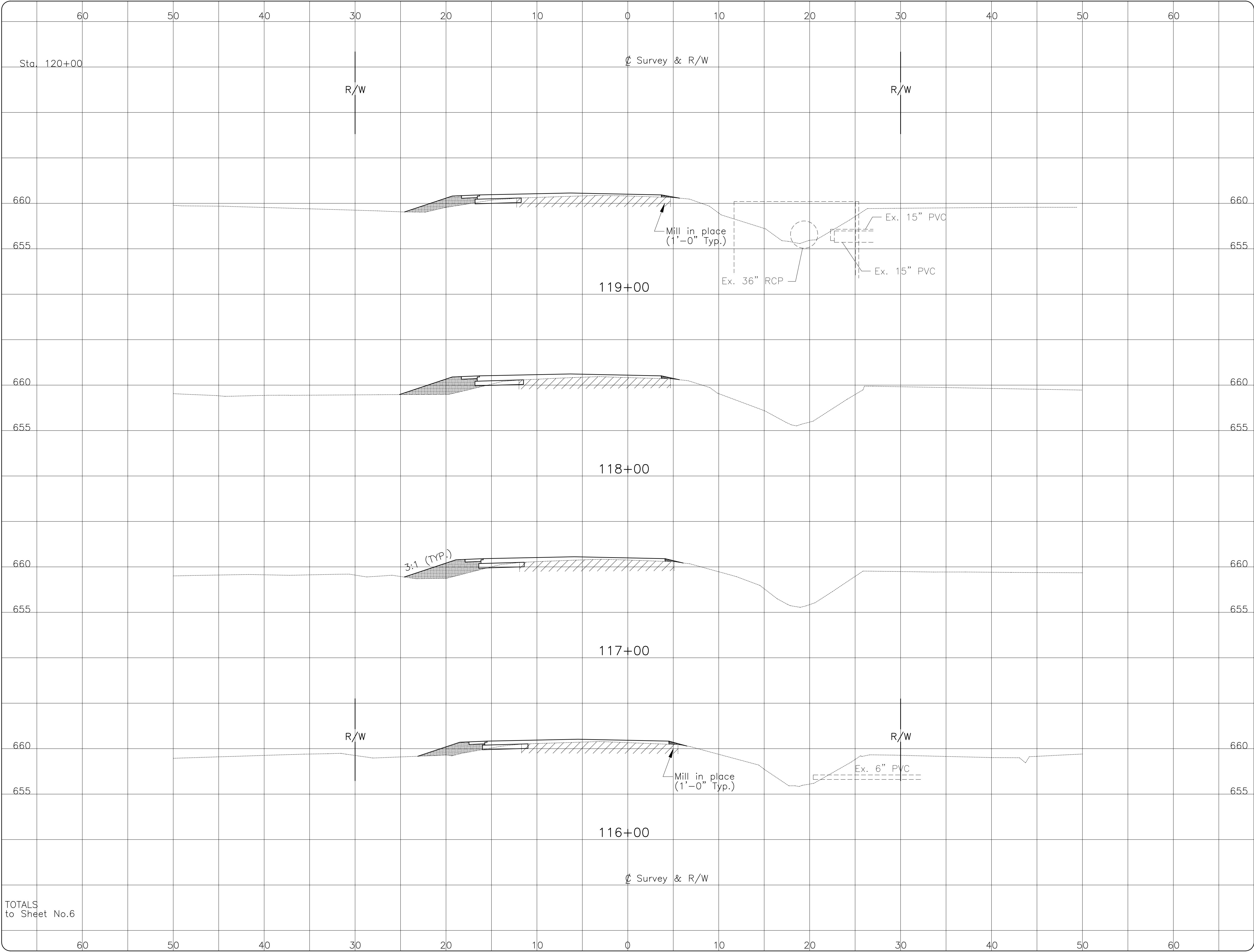


DESIGNED TDM	REVIEWED APPROVED	REVISED PROJECT NUMBER
JAB		

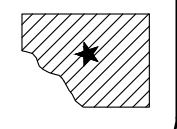
KING ROAD CROSS SECTIONS
STA 112+00 TO STA 115+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
4		2		3	
	61		7		17
7		2		6	
	78		6		28
7		1		9	
	78		4		35
7		1		10	
	72		6		30
6		2		6	
	289		23		110
TOTALS to Sheet No.6					



WOOD COUNTY ENGINEER'S OFFICE
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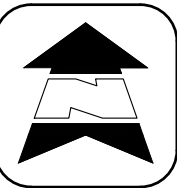
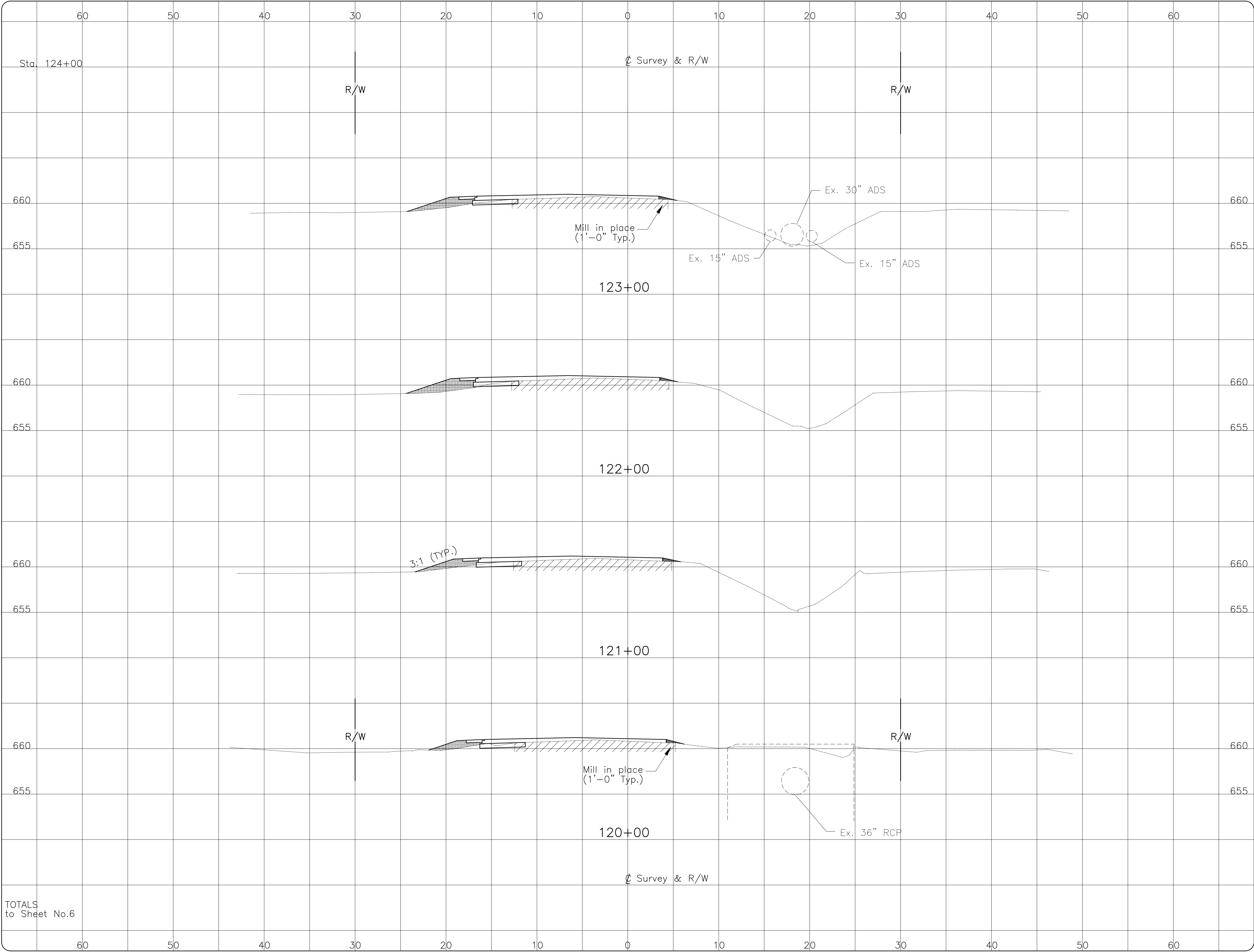


DESIGNED	REVIEWED	REVISION
TDM	APPROVED	PROJECT NUMBER
JAB		

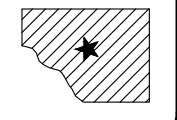
KING ROAD CROSS SECTIONS
STA 116+00 TO STA 119+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
5		2		4	
	61		7		17
6		2		5	
	67		6		20
6		1		6	
	61		6		19
5		2		4	
	50		7		13
4		2		3	
	239		26		69
TOTALS to Sheet No.6					



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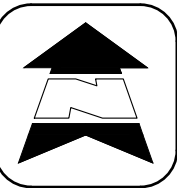
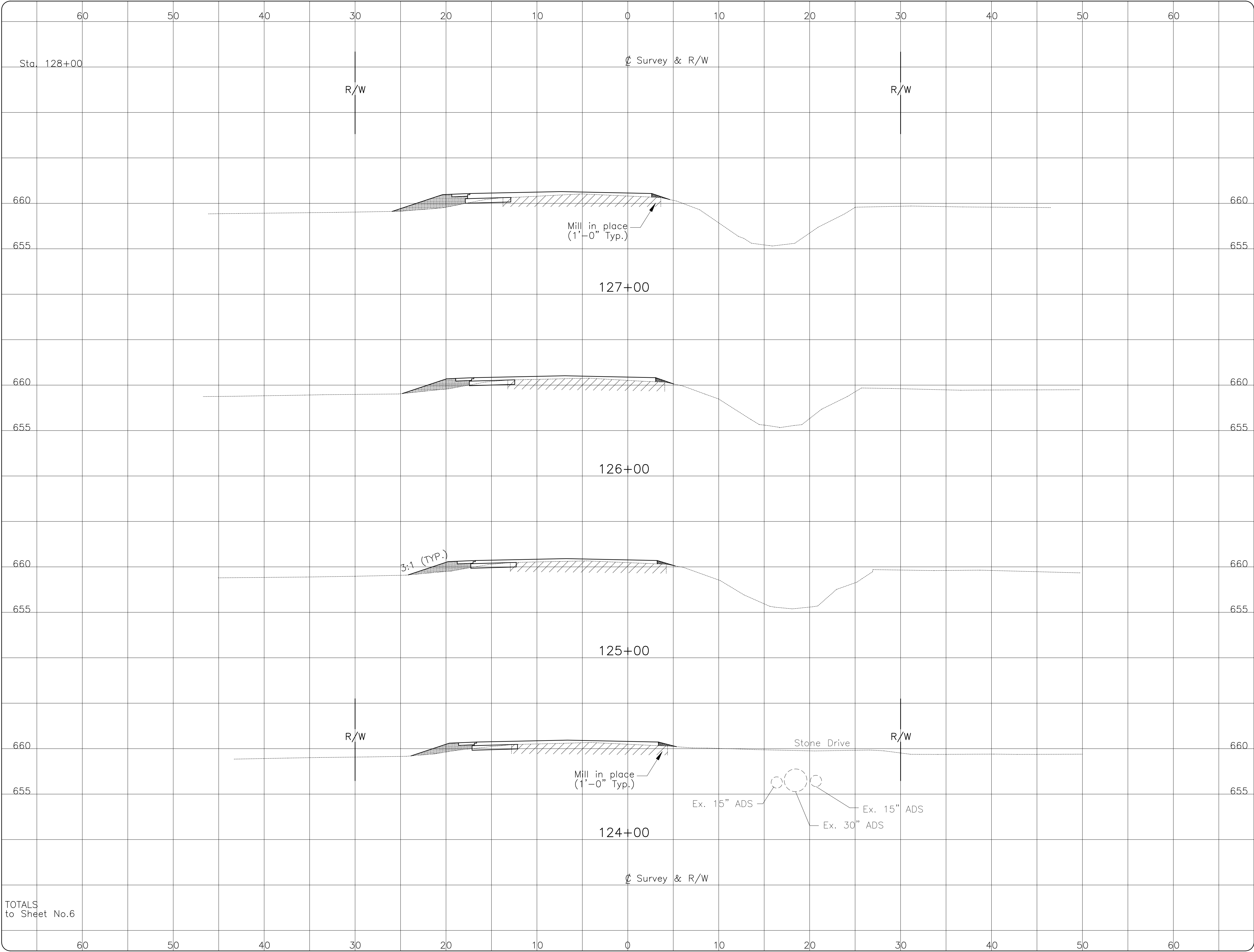


DESIGNED	REVIEWED	REVIS
TDM	APPROVED	PROJECT NUMBER
JAB		

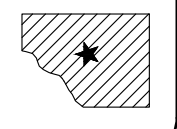
KING ROAD CROSS SECTIONS
STA 120+00 TO STA 123+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
7		2		6	
78			7		24
7		2		7	
72			7		22
6		2		5	
67			7		17
6		2		4	
61			7		15
5		2		4	
278			28		78
TOTALS to Sheet No.6					



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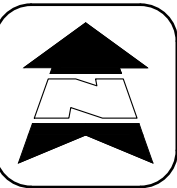
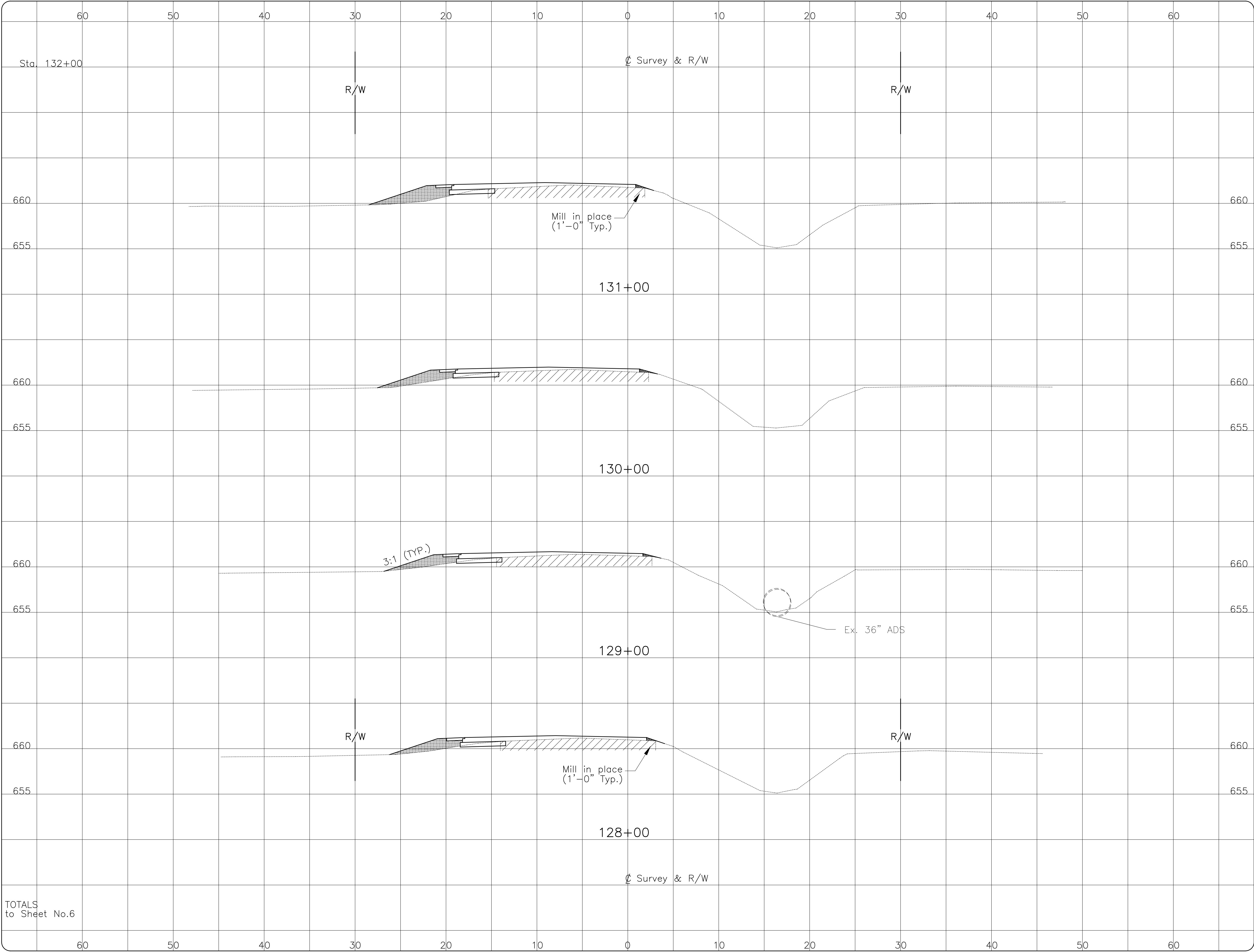


DESIGNED TDM	REVIEWED	REVISOR PROJECT NUMBER
JAB	APPROVED	

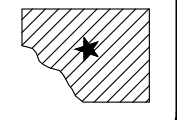
KING ROAD CROSS SECTIONS
STA 124+00 TO STA 127+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
5		2		3	
	72		6		22
8		1		9	
	83		6		28
7		2		6	
	78		7		27
7		2		6	
	78		7		22
7		2		6	
	311		26		99
TOTALS to Sheet No.6					



WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

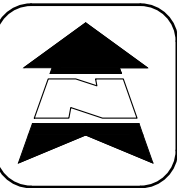
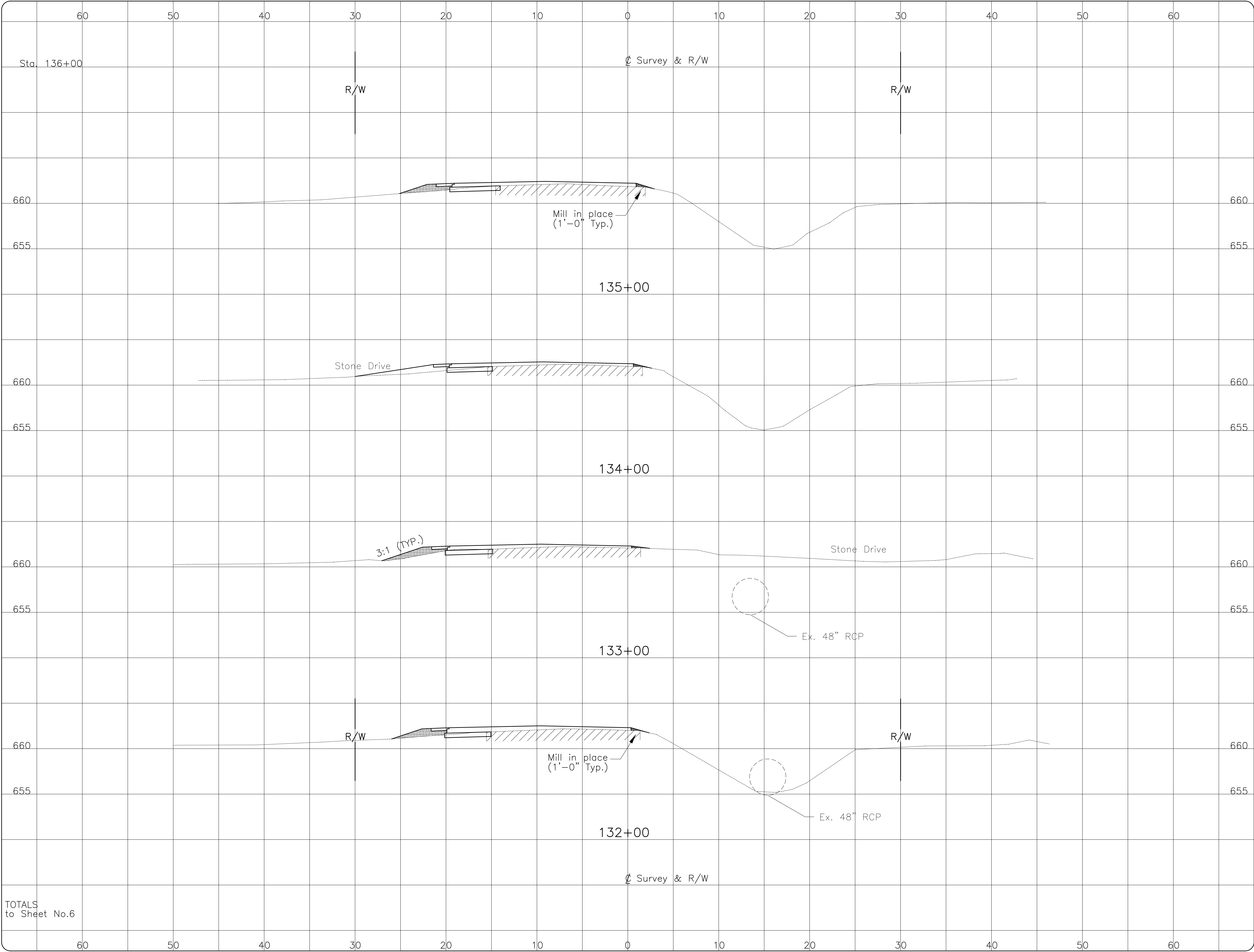


DESIGNED TDM	REVIEWED APPROVED	REVISED PROJECT NUMBER
JAB		

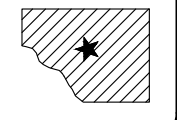
KING ROAD CROSS SECTIONS
STA 128+00 TO STA 131+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		4	
	56		7		11
4		2		2	
	44		7		9
4		2		3	
	56		9		13
6		3		4	
	61		9		13
5		2		3	
	217		32		46
TOTALS to Sheet No.6					



WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

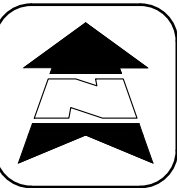
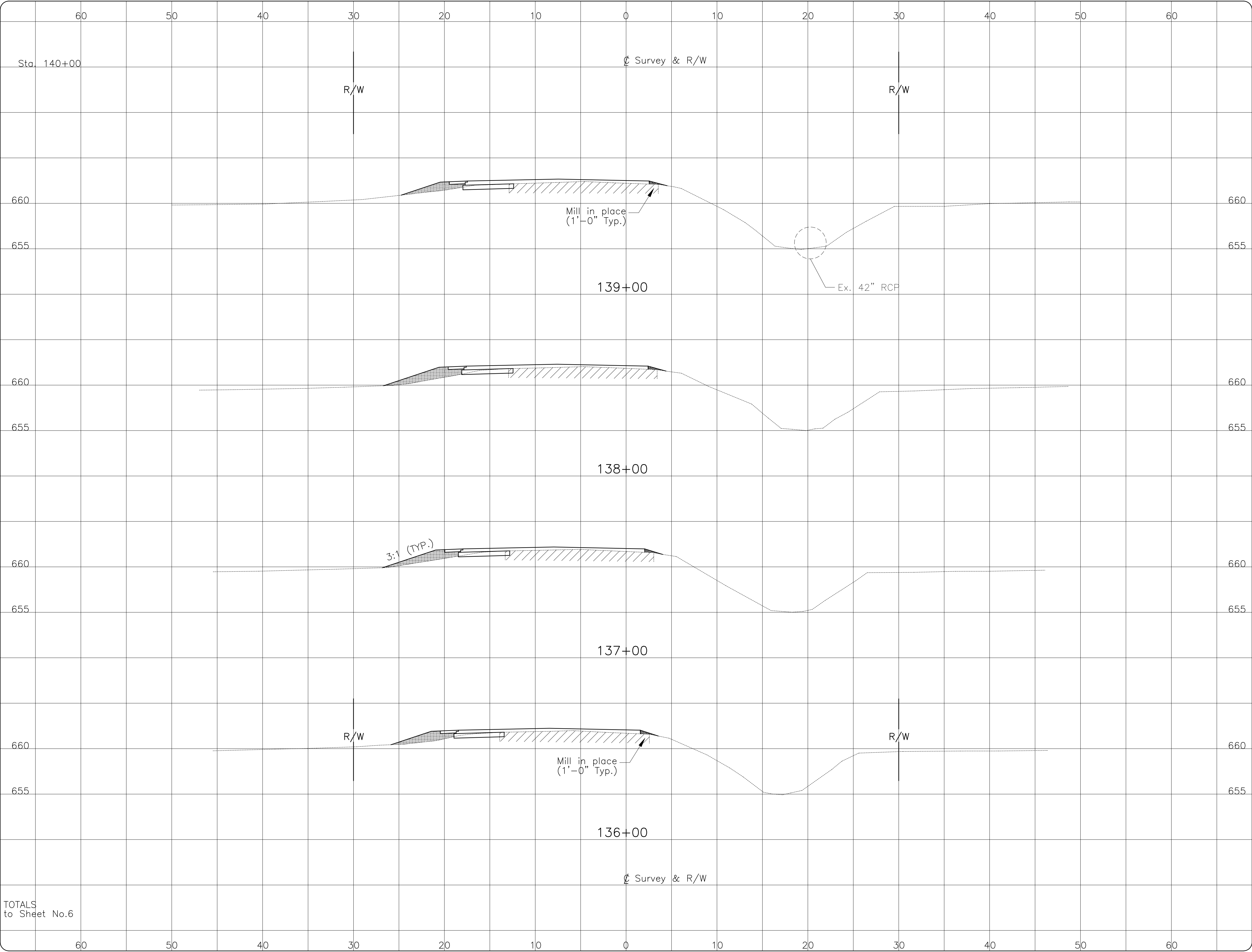


DESIGNED	REVIEWED	REVIS
TDM	APPROVED	PROJECT NUMBER
JAB		

KING ROAD CROSS SECTIONS
STA 132+00 TO STA 135+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
0	0	0	0		
24		4	5		
6	3	4			
72		9	19		
7	2	6			
78		7	20		
7	2	5			
72		7	17		
6	2	4			
246		27	61		



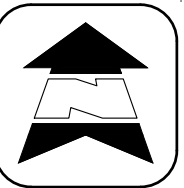
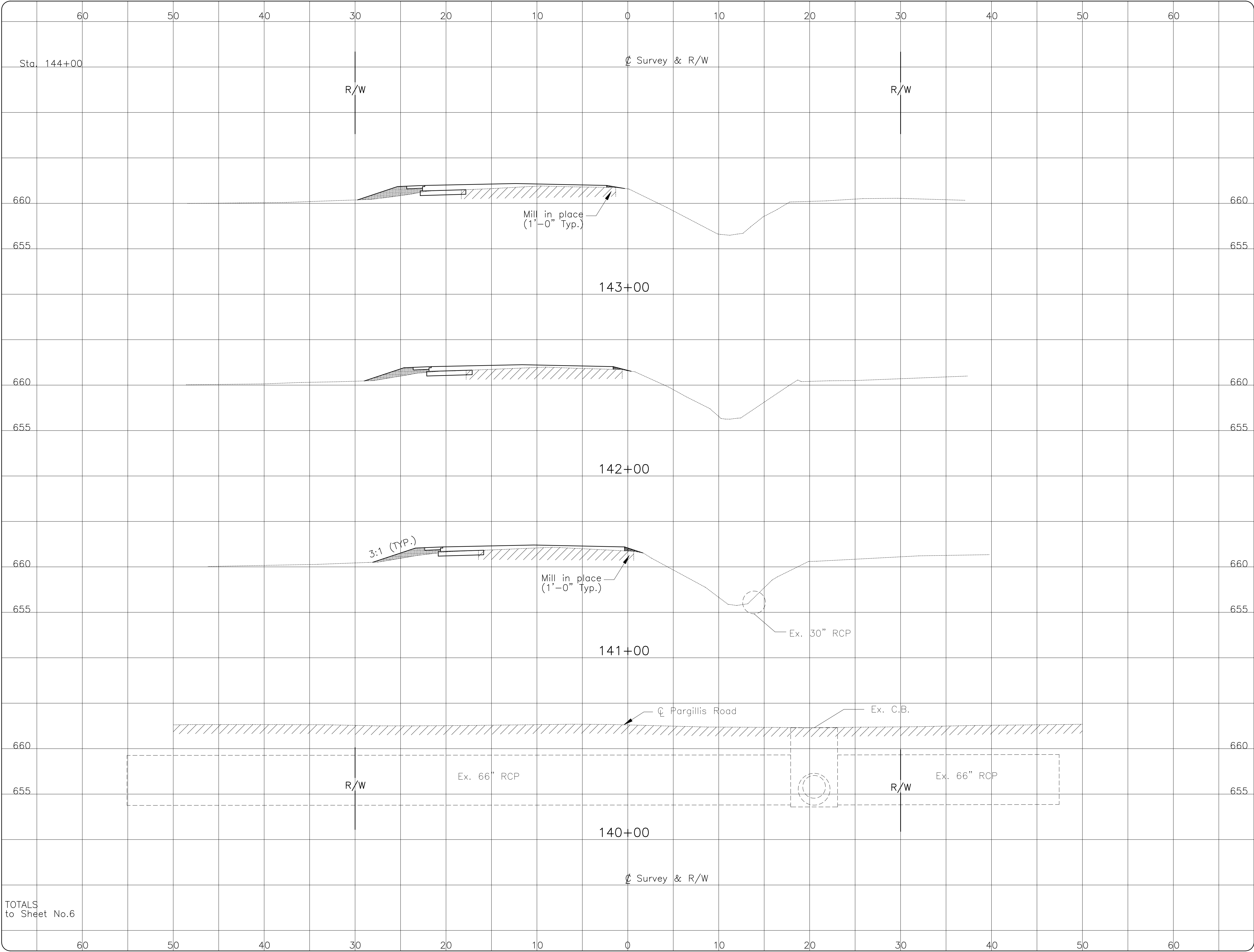
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

DESIGNED TDM	REVIEWED	REVIEWED	PROJECT NUMBER
JAB	APPROVED		

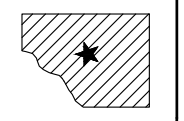
KING ROAD CROSS SECTIONS
STA 136+00 TO STA 139+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		5	
67			7		17
6		2		4	
67			7		15
6		2		4	
67			7		15
6		2		4	
26			3		6
0		0		0	
227			24		53
TOTALS to Sheet No.6					



WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

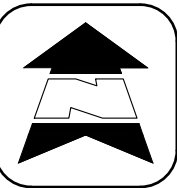
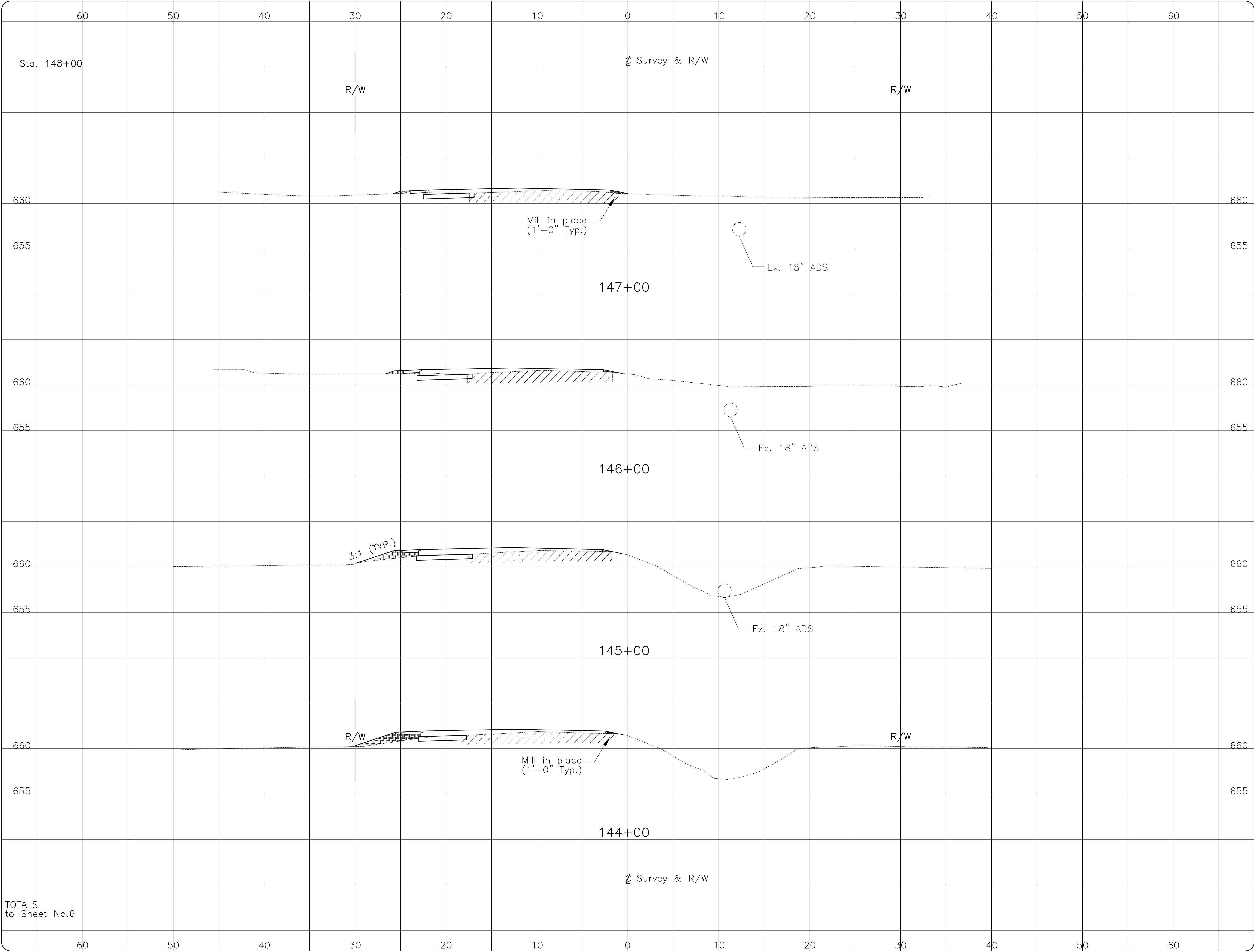


DESIGNED TDM	REVIEWED	REVIEWED	PROJECT NUMBER
JAB			

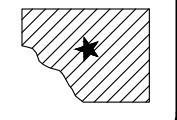
KING ROAD CROSS SECTIONS
STA 140+00 TO STA 143+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
3		4		1	
	28		13		2
2		3		0	
	22		13		2
2		4		1	
	39		13		7
5		3		3	
	61		9		15
6		2		5	
	150		48		26
TOTALS to Sheet No.6					



WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

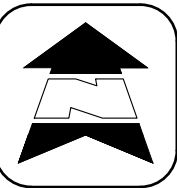
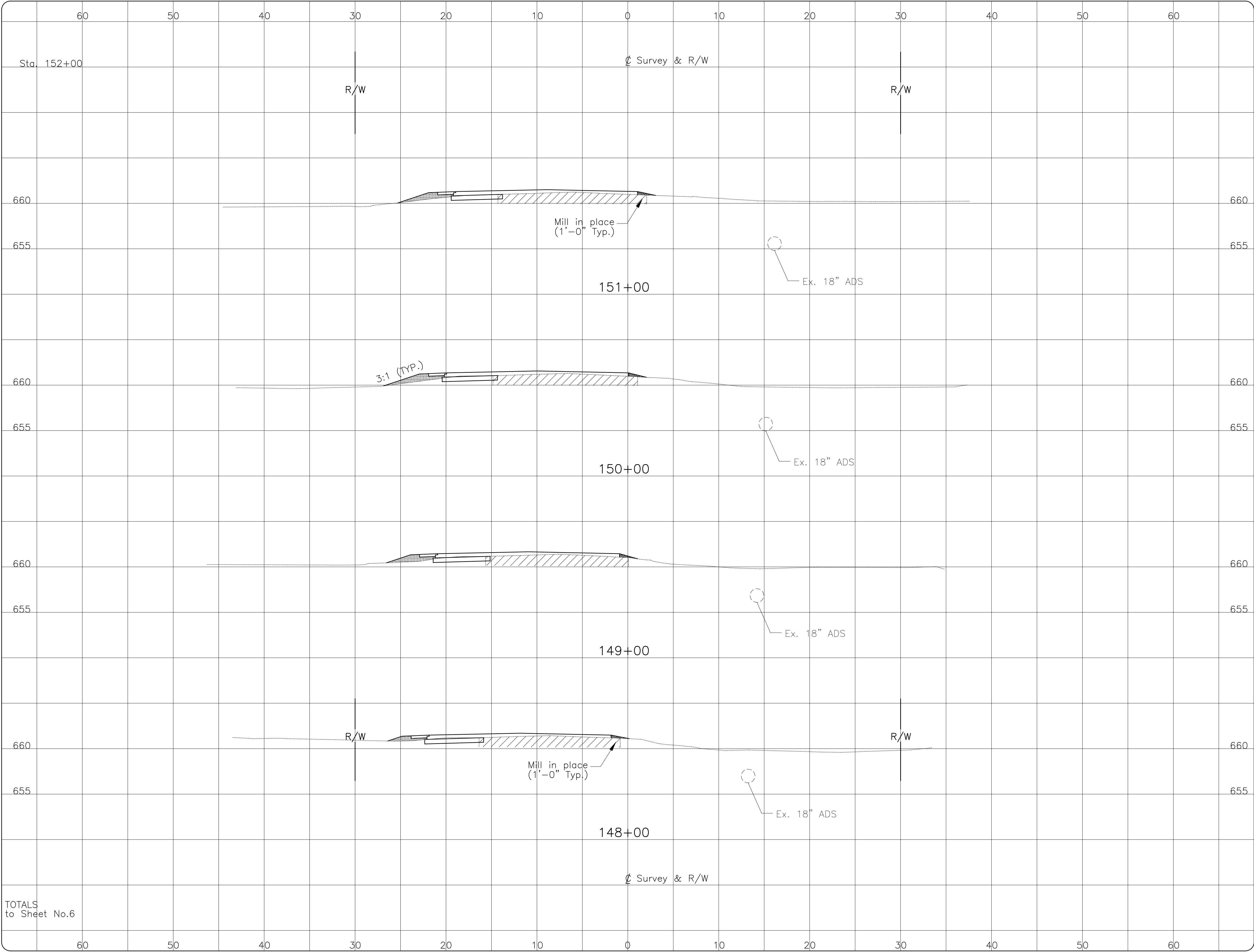


DESIGNED	REVIEWED	REVISED
TDM	APPROVED	PROJECT NUMBER
JAB		

KING ROAD CROSS SECTIONS
STA 144+00 TO STA 147+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
3		3		1	
	44		11		6
5		3		2	
	56		11		9
5		3		3	
	50		11		9
4		3		2	
	39		13		6
3		4		1	
	189		46		30
TOTALS to Sheet No.6					



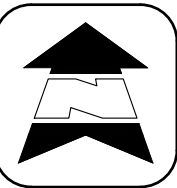
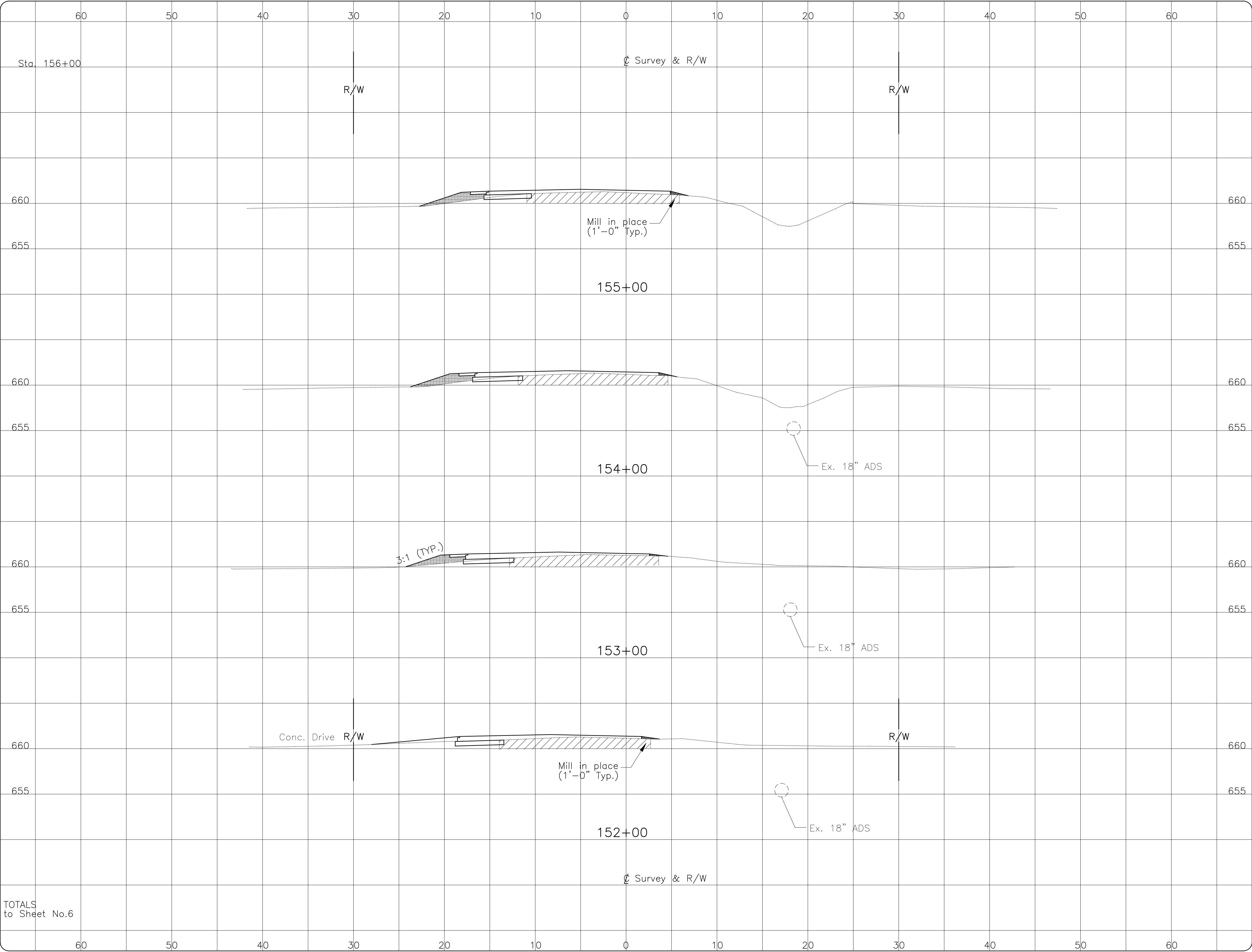
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

DESIGNED TDM	REVIEWED APPROVED	REVIS PROJECT NUMBER
JAB		

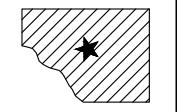
KING ROAD CROSS SECTIONS
STA 148+00 TO STA 151+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		4	
67			7		15
6		2		4	
67			7		17
6		2		5	
61			7		17
5		2		4	
44			9		9
3		3		1	
239			30		58



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John M. Musteric, County Engineer
Bowling Green, Ohio

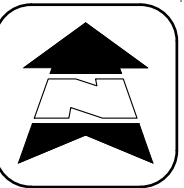
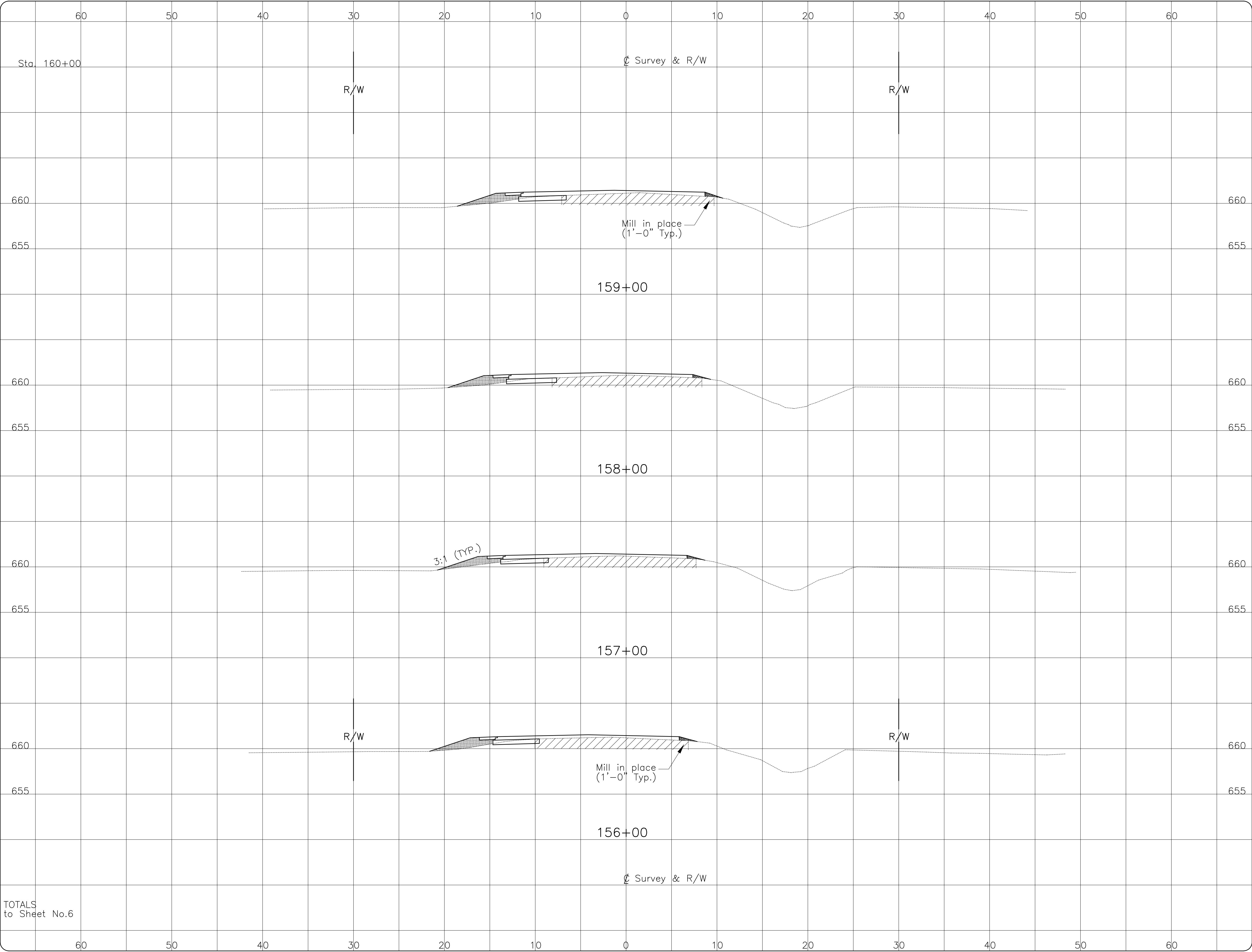


DESIGNED TDM	REVIEWED APPROVED	REVIS PROJECT NUMBER
JAB		

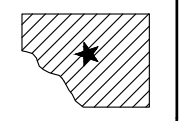
KING ROAD CROSS SECTIONS
STA 152+00 TO STA 155+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
6		2		6	
67			7		19
6		2		4	
61			7		15
5		2		4	
61			7		15
6		2		4	
67			7		15
6		2		4	
256			28		64



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Bowling Green, Ohio

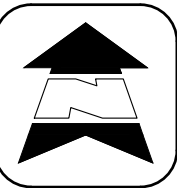
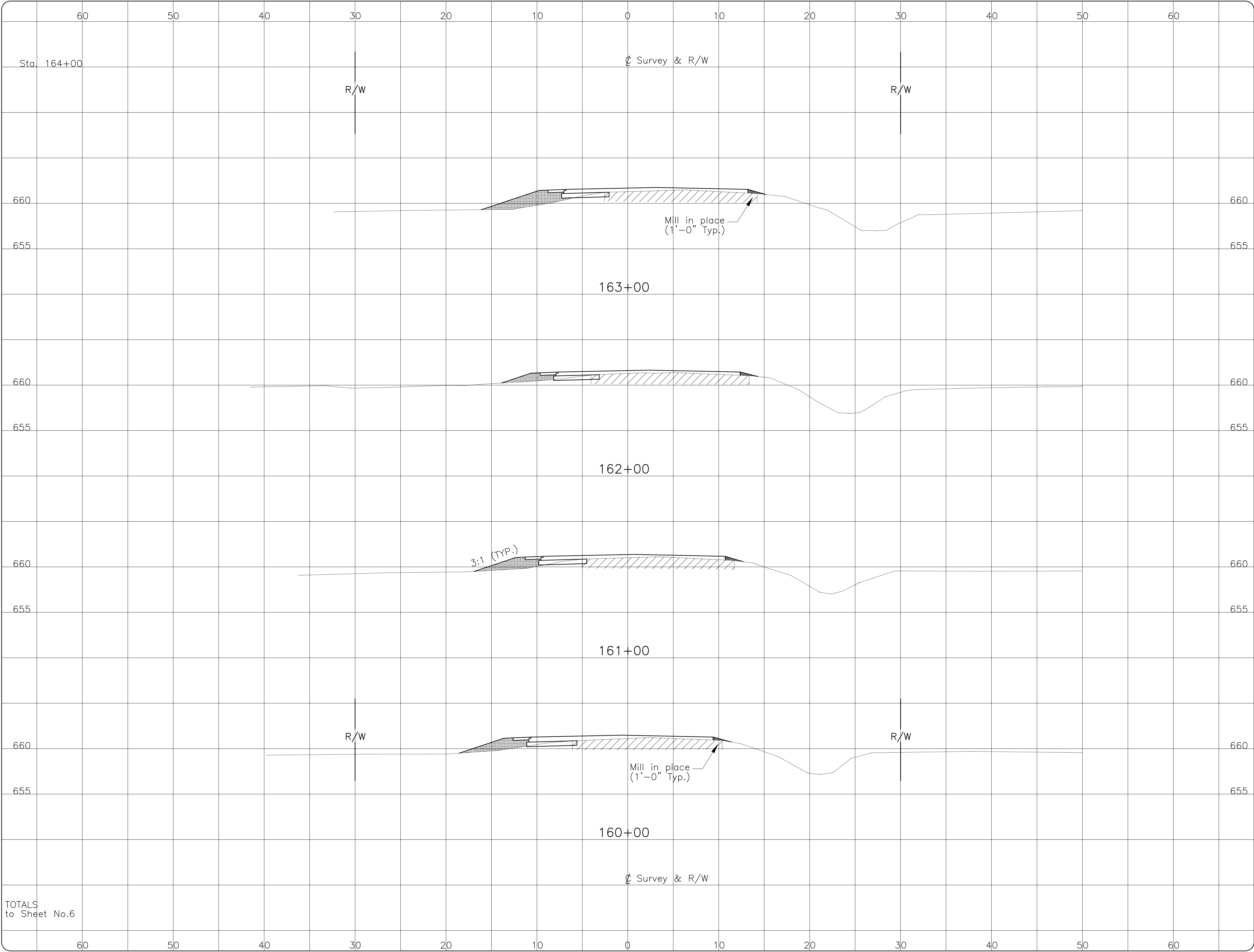


DESIGNED TDM	REVIEWED	REVISOR PROJECT NUMBER
JAB	APPROVED	

KING ROAD CROSS SECTIONS
STA 156+00 TO STA 159+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
7		2		8	
	83		6		31
8		1		9	
	67		6		22
4		2		3	
	56		6		17
6		1		6	
	67		6		22
6		2		6	
	273		24		92
TOTALS to Sheet No.6					



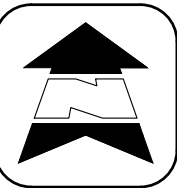
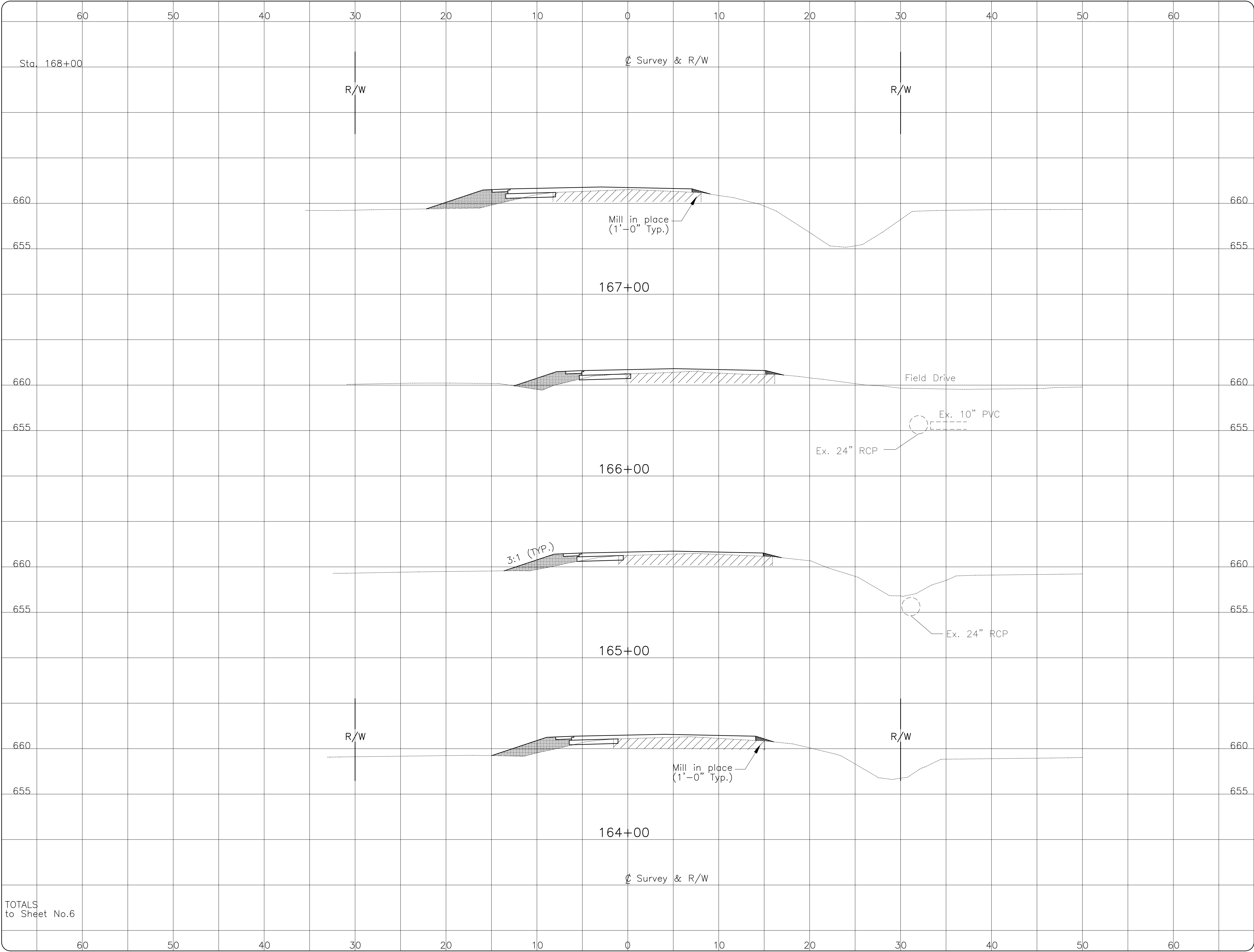
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

DESIGNED TDM	REVIEWED	REVISOR PROJECT NUMBER
DRAWN JAB	APPROVED	

KING ROAD CROSS SECTIONS
STA 160+00 TO STA 163+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
8		1		10	
	89		4		37
8		1		10	
	78		6		31
6		2		7	
	72		7		26
7		2		0	
	78		7		28
7		2		8	
	317		24		122
TOTALS to Sheet No.6					



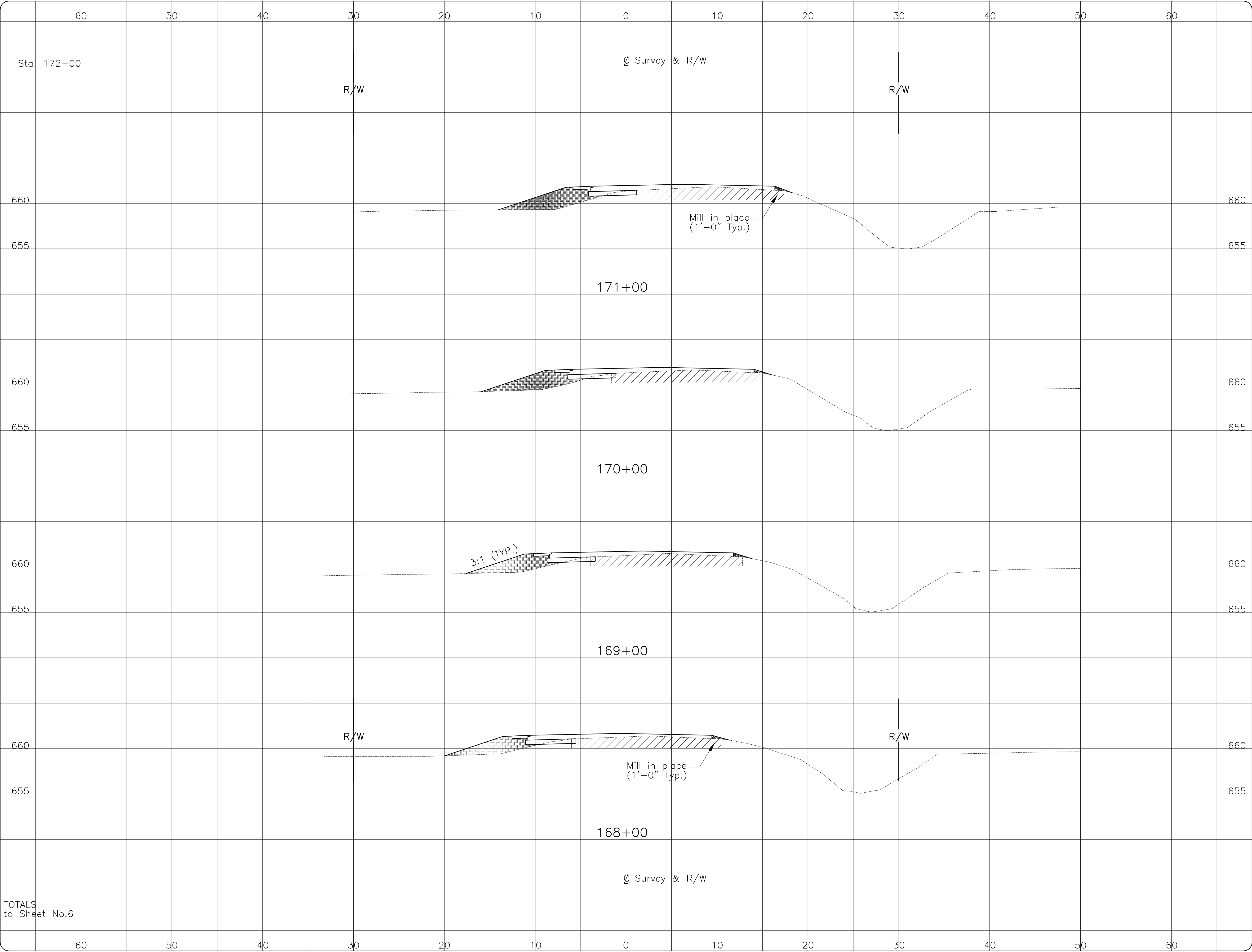
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

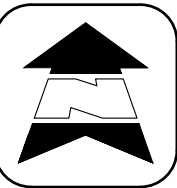
DESIGNED TDM	REVIEWED	REVISED
DRAWN JAB	APPROVED	PROJECT NUMBER

KING ROAD CROSS SECTIONS
STA 164+00 TO STA 167+00

KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
7		1		7	
89		4		37	
9		1		13	
94		4		46	
8		1		12	
89		4		41	
8		1		10	
89		4		37	
8		1		10	
361		16		161	





WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

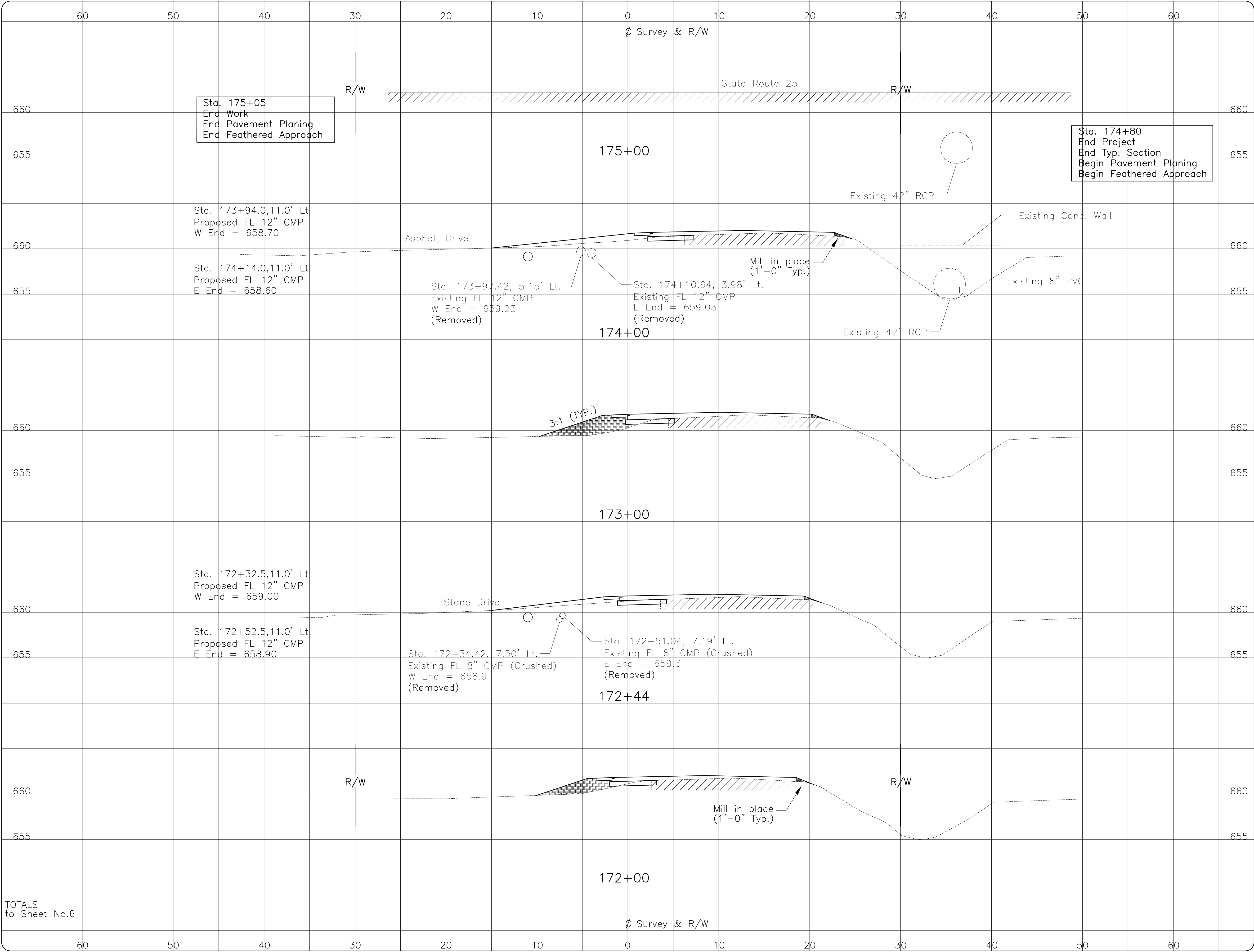
DESIGNED TDM	REVIEWED	REVISED
DRAWN JAB	APPROVED	PROJECT NUMBER

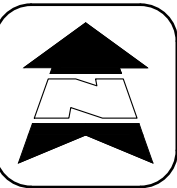
KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

KING ROAD CROSS SECTIONS
STA 168+00 TO STA 171+00

31
33

QUANTITIES					
SEEDING		EXCAVATION		EMBANKMENT	
END WIDTH	SQ. YD.	SQ. FT.	CU. YD.	SQ. FT.	CU. YD.
0	0	0	0		
0	0	0	0		
0	0	0	0		
45	3	13			
9	2	8			
94	6	37			
8	1	12			
83	4	35			
7	1	7			
222	13	85			





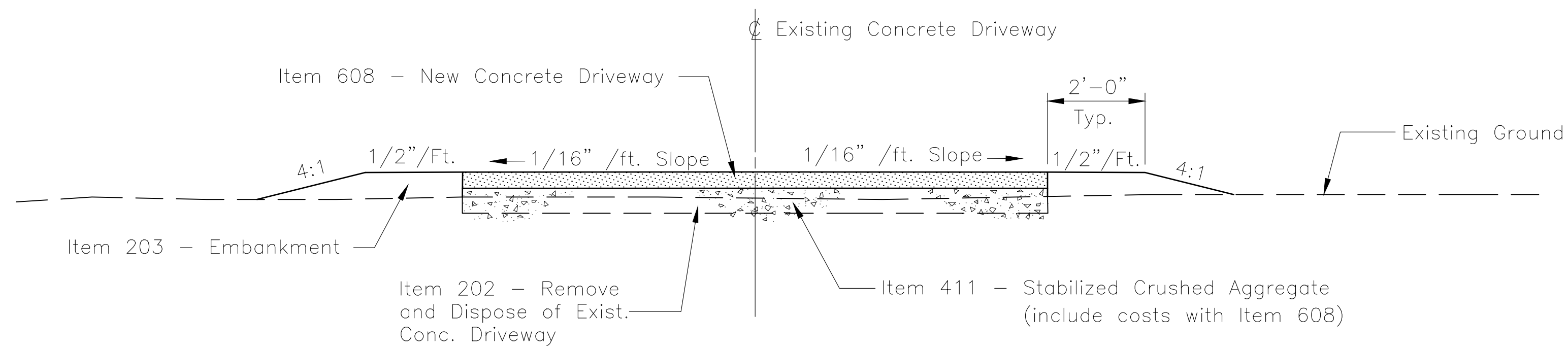
WOOD COUNTY ENGINEER'S OFFICE
John M. Musteric, County Engineer
Bowling Green, Ohio

DESIGNED TDM	REVIEWED	REVISED
DRAWN JAB	APPROVED	PROJECT NUMBER

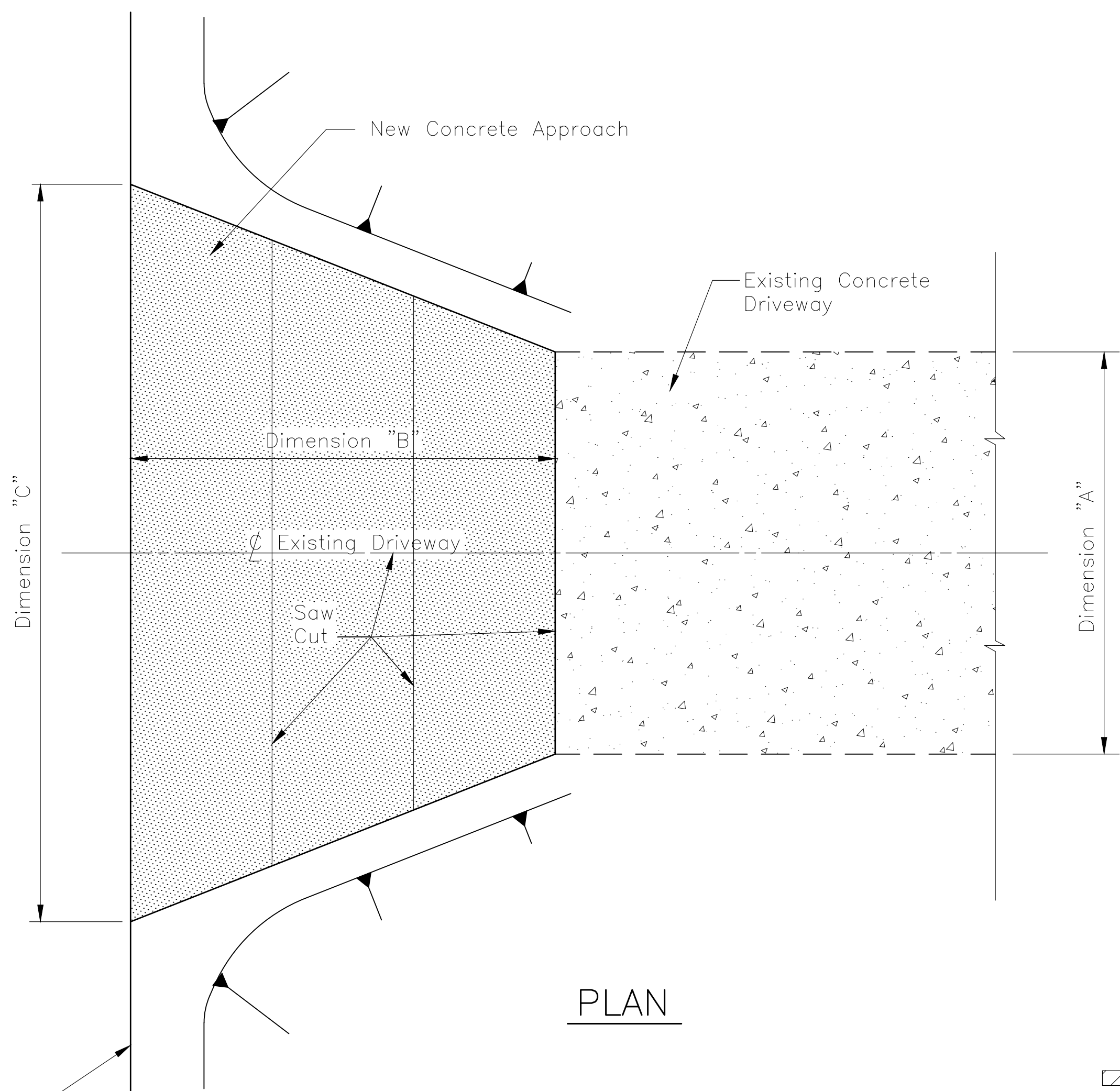
KING ROAD IMPROVEMENTS
TOWNSHIP ROAD No. 100
MIDDLETON TOWNSHIP

KING ROAD CROSS SECTIONS
STA 172+00 TO STA 175+00

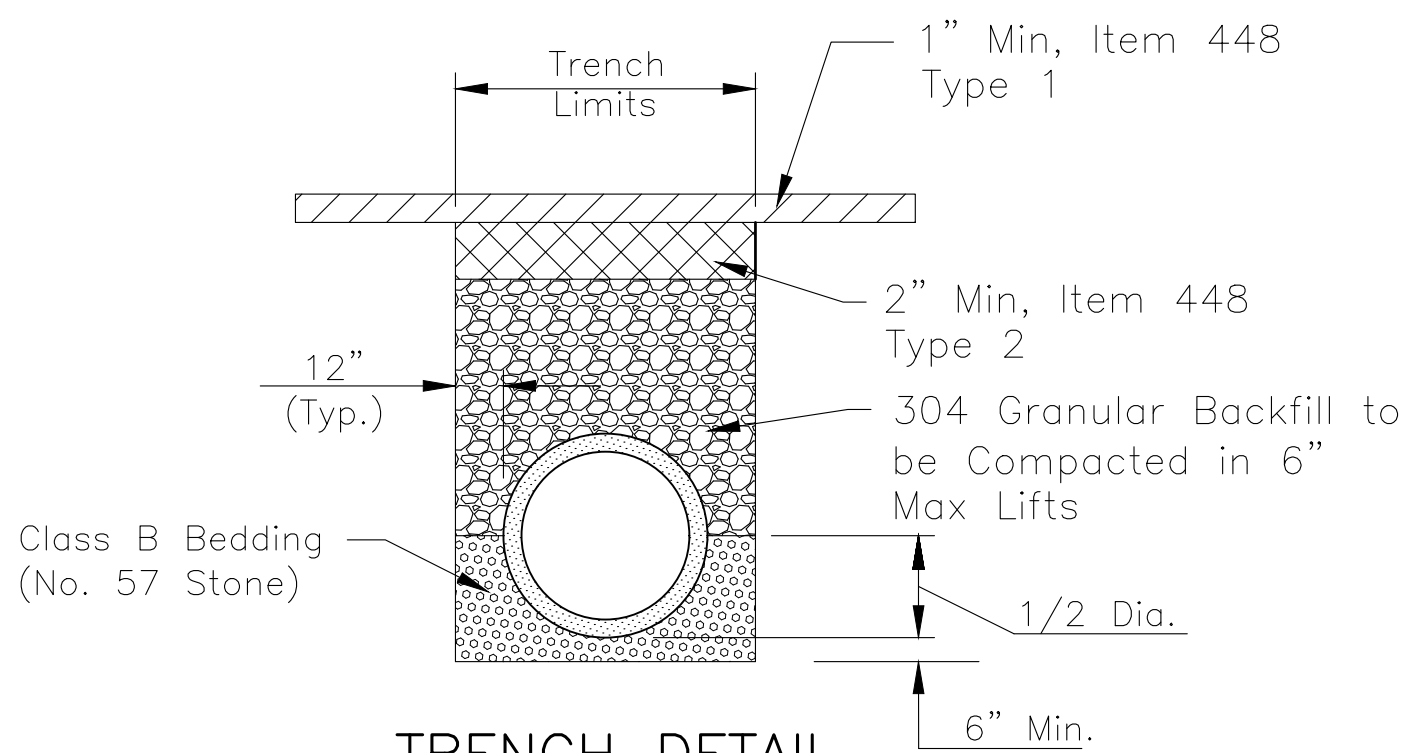
32
33



TYPICAL SECTION



PLAN

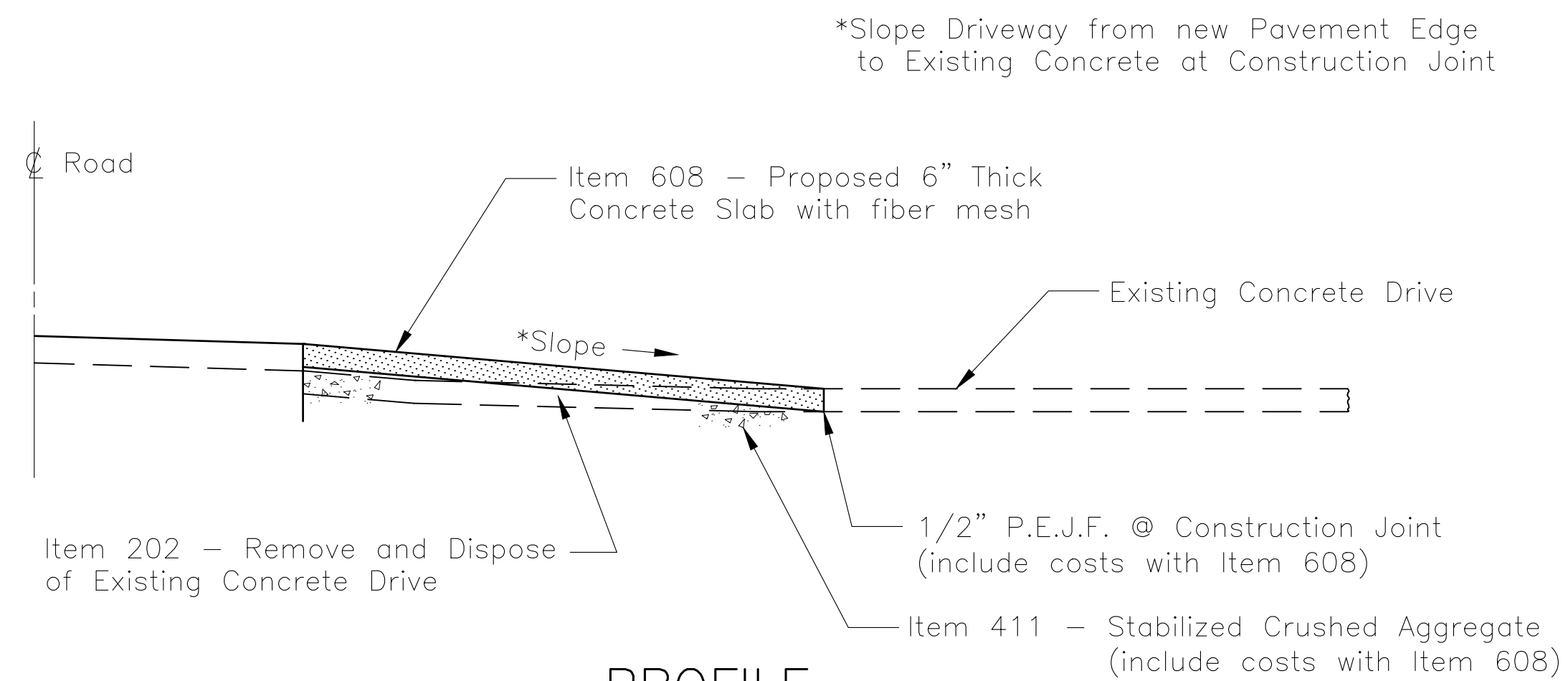


TRENCH DETAIL
THROUGH ASPHALT DRIVE

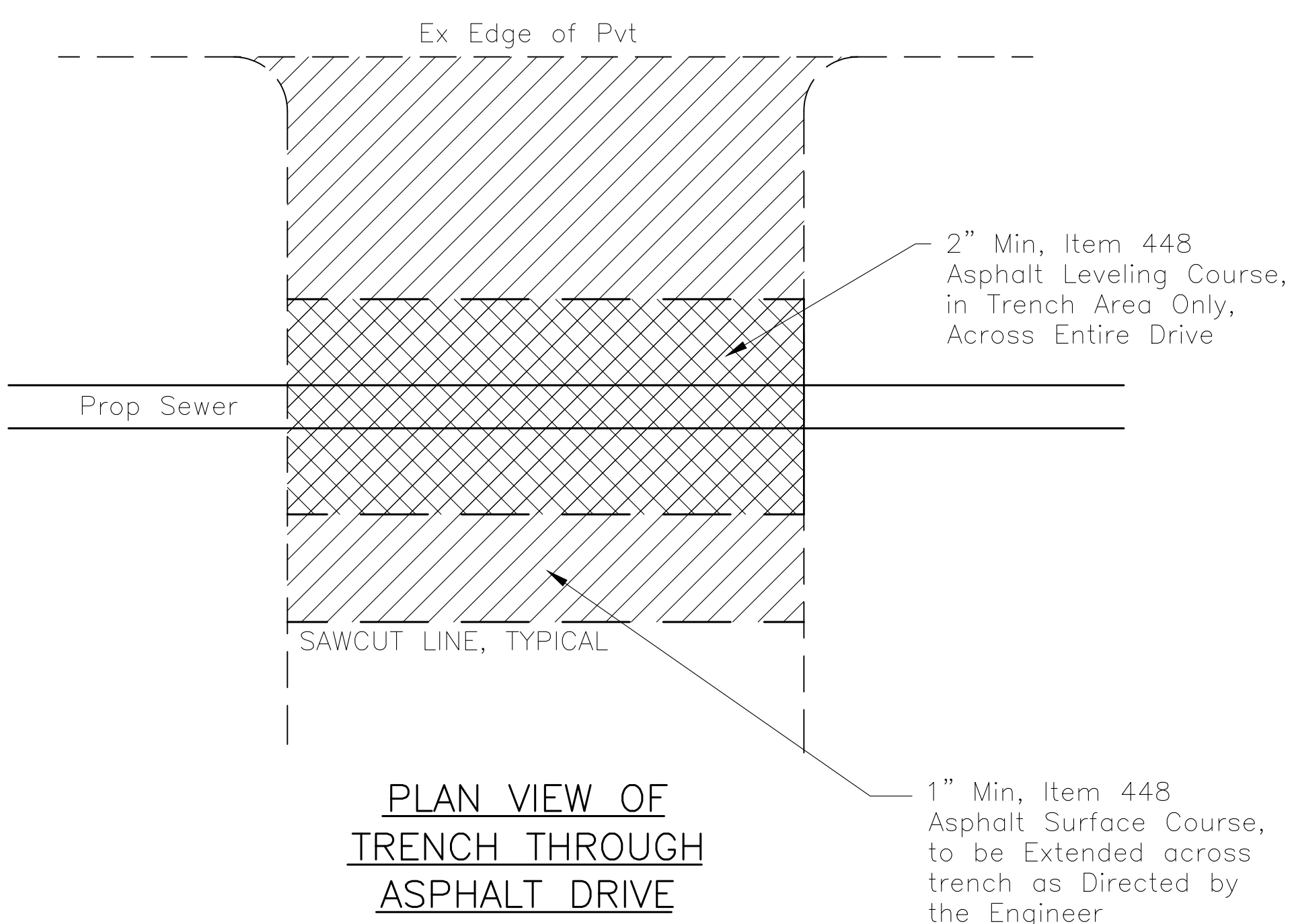
Driveway Dimensions
Driveway dimensions are for estimating purposes only. Driveways shall be installed as directed by the Engineer.

DRIVEWAY DIMENSIONS							
SHEET NUMBER	REFERENCE NO.	STATION	SIDE	New Concrete Driveway Dimensions (Feet in decimals)			CONCRETE DRIVEWAY Sq.Ft.
				A	B	C	
*	11 1D	146+23	LT	20	12	28	288
	11 2D	146+82	RT	15	14	33	336
	11 3D	152+03	LT	16	10	22	190
Total to General Summary							814

* Match existing driveway radii as directed by the Engineer.



PROFILE
(Along Centerline of New Concrete Driveway)



PLAN VIEW OF
TRENCH THROUGH
ASPHALT DRIVE

