

# MAYFIELD VILLAGE, OHIO

## RIDGEBURY BLVD. (CR - 54) IMPROVEMENTS

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**LEGEND**

EX. SANITARY M.H.		EX. MONUMENT BOX W/IP	
EX. STORM M.H.		EX. MONUMENT TOP	
EX. TELE. OR ELEC. M.H.		EX. IRON PIN	
EX. UNKNOWN CLEANOUT		EX. ELEC./TEL. POLE	
EX. CATCH BASIN		EX. ELEC. POLE	
EX. YARD DRAIN		EX. YARD LIGHT	
EX. GAS VALVE		EX. LIGHT POLE	
EX. GAS SHUT-OFF		EX. PED. LIGHT POLE	
EX. GAS METER		EX. GUY WIRE	
EX. WATER VALVE		EX. MAIL/PAPER BOX	
EX. WATER SHUT-OFF		EX. HYDRANT	
EX. WATER METER		EX. HYDRANT SHUT-OFF	
EX. SPRINKLER HEAD/VALVE		EX. SIGN	
EX. ELECTRIC VAULT		EX. BOLLARD	
EX. TELE. OR CABLE BOX		EX. BOULDER	
EX. TREE STUMP		EX. BUSH/BUSH ROW	
EX. TREE W/SIZE		EX. PINE TREE W/SIZE	
EX. RIGHT-OF-WAY			
EX. RIGHT-OF-WAY CENTER LINE			
EX. PROPERTY LINE			
EX. ELECTRIC LINE			
EX. TELEPHONE LINE			
EX. WATER LINE			
EX. GAS LINE			
EX. STORM SEWER			
EX. SANITARY SEWER			
EX. CONTOURS			

**PROJECT DESCRIPTION**  
 VARIOUS IMPROVEMENTS ALONG THE NORTH SIDE OF RIDGEBURY BLVD. (CR - 54) AS SHOWN ON PLANS.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 10.

PREPARED FOR  
**MAYFIELD VILLAGE**  
 MAYOR  
 BRENDA T. BODNAR

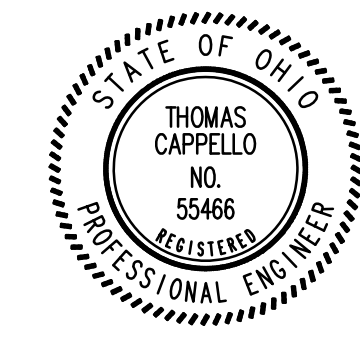
**COUNCIL**

WARD 1	WILLIAM MARQUARDT
WARD 2	MARK W. ARNDT
WARD 3	DENNY MURPHY
WARD 4	GEORGE WILLIAMS
AT LARGE	ALLEN MEYERS
AT LARGE	JENNIFER JURCISEK
AT LARGE (COUNCIL PRESIDENT)	STEPHEN SCHUTT
CLERK OF COUNCIL	MARY E. BETSA

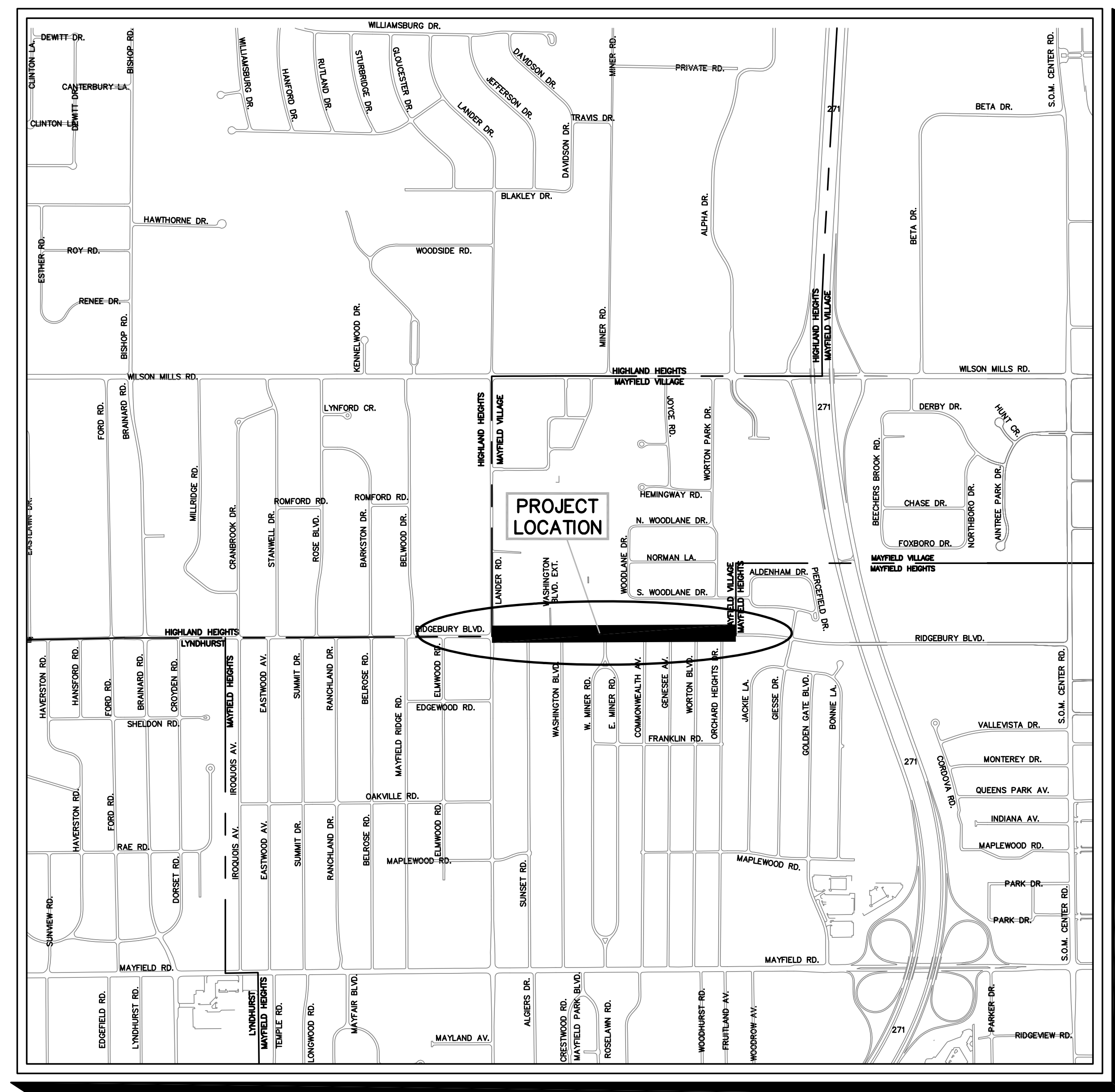
PREPARED BY  
**STEPHEN HOVANCSEK & ASSOC., INC.**

CONSULTING ENGINEERS & PLANNERS  
 TWO MERIT DRIVE RICHMOND HEIGHTS, OHIO

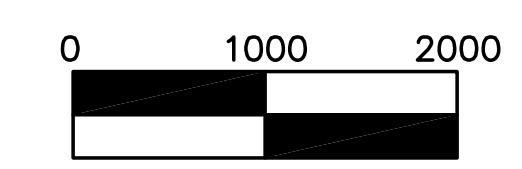
SCOTT SIPOS  
 DIRECTOR OF SERVICE



THOMAS CAPPELLO, P.E., P.S.  
 VILLAGE ENGINEER

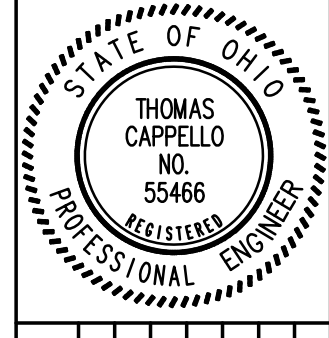
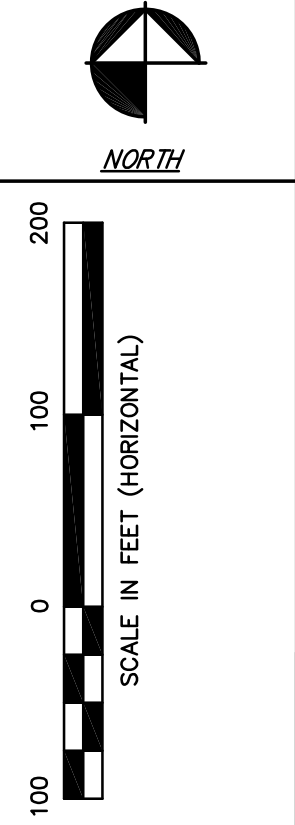
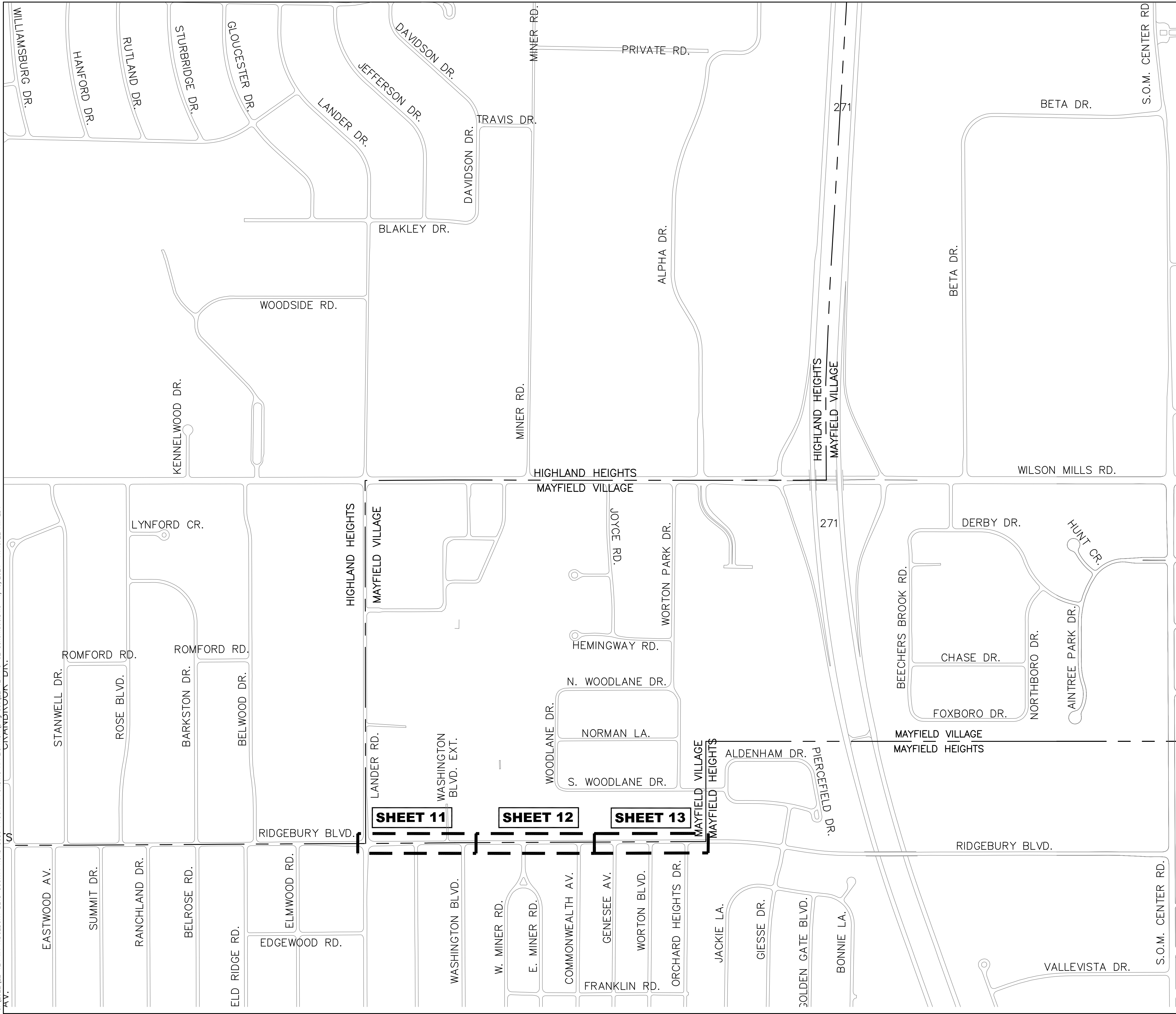


LOCATION MAP  
 APRIL 2024



REVISIONS			
No.	DESCRIPTION	DATE	BY
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3)			
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**EXISTING UNDERGROUND UTILITY NOTE:**  
 THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A DILIGENT AND COMPREHENSIVE SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, STEPHEN HOVANCSEK AND ASSOCIATES INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

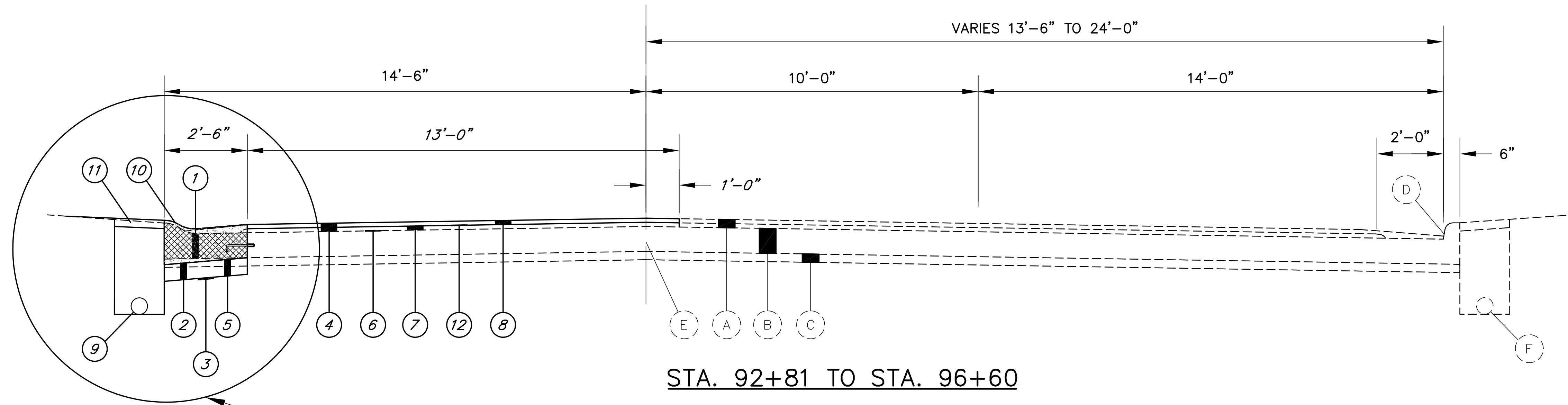


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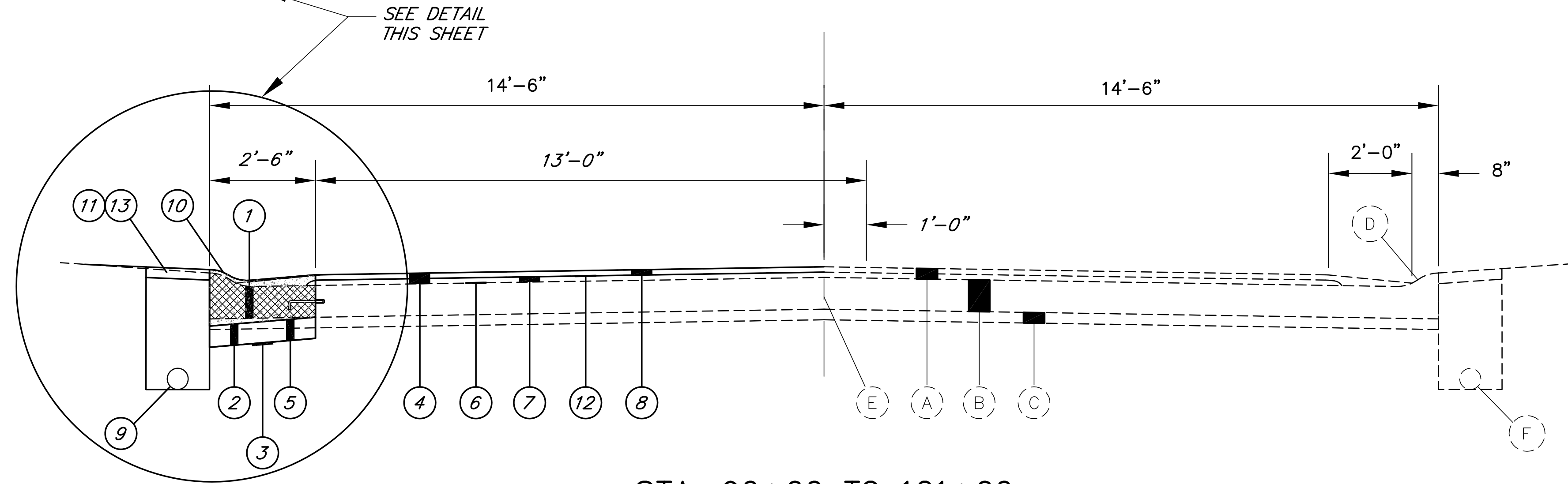
**STEPHEN HOVANCSEK & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS AND PLANNERS  
 TWO MERIT DRIVE  
 RICHMOND HEIGHTS, OHIO 44143  
 PH: (216) 731-6255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD. IMPROVEMENTS**  
**SCHEMATIC**

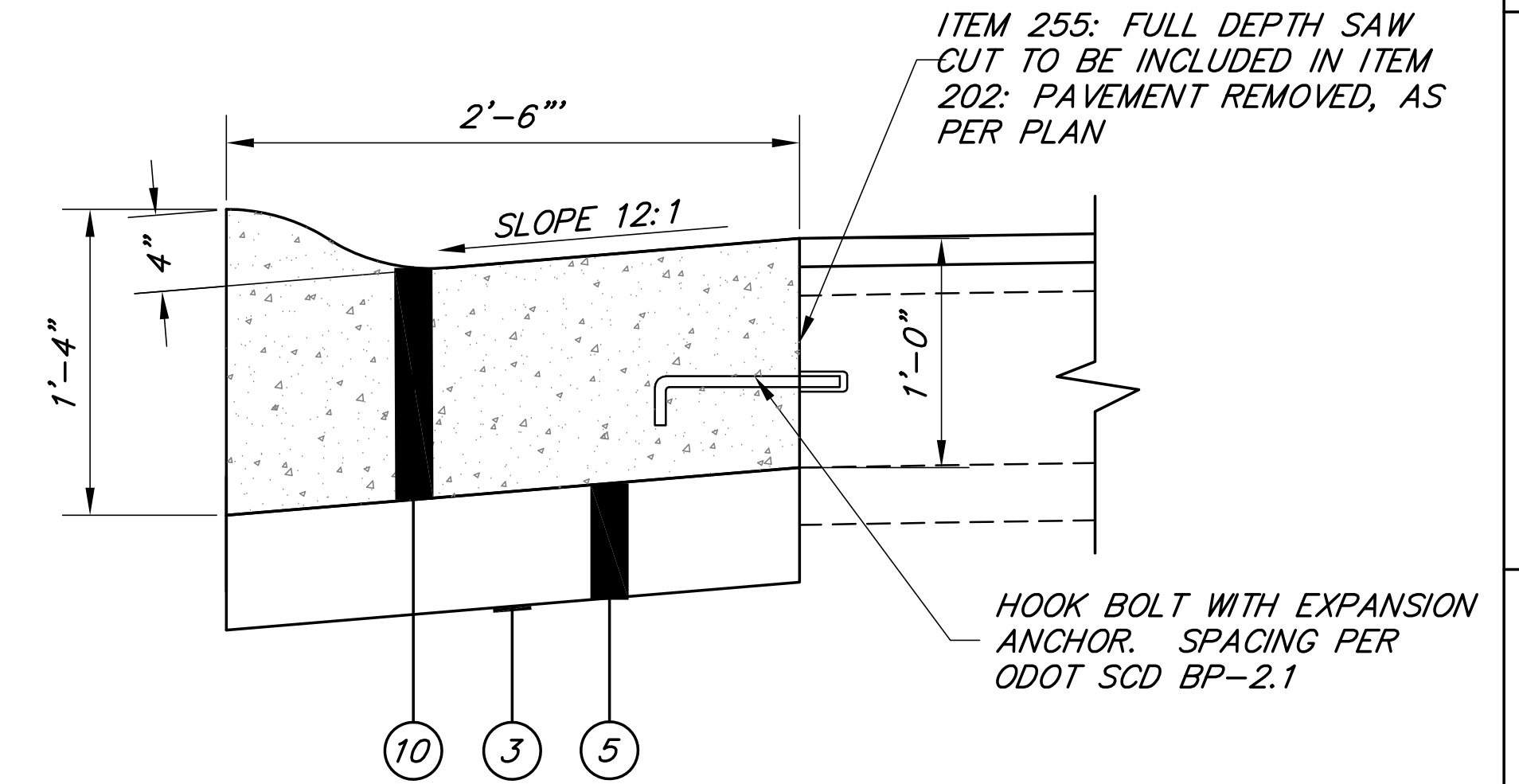
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STA. 92+81 TO STA. 96+60



STA. 96+60 TO 121+06



COMBINATION CURB AND GUTTER,  
TYPE 3, AS PER PLAN

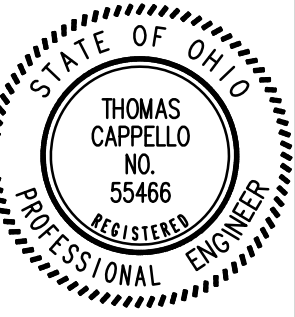
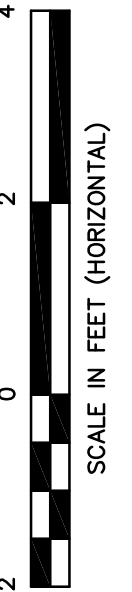
NOT TO SCALE

**EXISTING LEGEND**

- (A) 3" ASPHALT CONCRETE
- (B) 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
- (C) 3" SUBBASE
- (D) TYPE 3-A INTEGRAL CONCRETE CURB
- (E) LONGITUDINAL JOINT
- (F) 6" V.S.P. UNDERDRAIN

**PROPOSED LEGEND**

- (1) ITEM 202: PAVEMENT REMOVED, AS PER PLAN
- (2) ITEM 203: EXCAVATION (UNDER PROPOSED COMBINATION CURB AND GUTTER, TYPE 3)
- (3) ITEM 204: SUBGRADE COMPACTION
- (4) ITEM 254: PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (3" AVG.)
- (5) ITEM 304: 6" AGGREGATE BASE (UNDER COMBINATION CURB AND GUTTER, TYPE 3)
- (6) ITEM 422: SINGLE CHIP SEAL
- (7) ITEM 441: 1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2,(448), PG64-22
- (8) ITEM 441: 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1,(448), PG64-22
- (9) ITEM 605: 6" SHALLOW PIPE UNDERDRAINS
- (10) ITEM 609: COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN
- (11) ITEM 659: SEEDING AND MULCHING, AS PER PLAN
- (12) ITEM SPECIAL: GLASS PAVE 50 PAVEMENT INTERLAYER
- (13) ITEM 209: LINEAR GRADING, AS PER PLAN



NO.	DATE	DESCRIPTION

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TWO MERIT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
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MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD**  
**TYPICAL SECTIONS**

**GENERAL NOTES**

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AT&T OHIO  
13630 LORAIN AVE. 2ND FLOOR  
CLEVELAND, OHIO 44111  
ATTENTION: JAMES JANIS, MANAGER  
PHONE: (216) 476-6142  
FAX: (216) 476-6016

CITY OF CLEVELAND DIVISION OF WATER  
1201 LAKESIDE AVE.  
CLEVELAND, OHIO 44114  
ATTENTION: FRED ROBERTS  
PHONE: (216) 664-2444, EXT.75590  
FAX: (216) 664-2838

TIME WARNER CABLE  
7820 DIVISION DRIVE  
MENTOR, OHIO 44060  
ATTENTION: LARRY BOCK  
PHONE: (440) 974-3401 EXT. 123  
FAX: (440) 974-3201  
E-MAIL: LARRY.BOCK@TWCABLE.COM

CUYAHOGA COUNTY SANITARY ENGINEER  
6100 WEST CANAL ROAD  
VALLEY VIEW, OHIO 44125  
ATTENTION: LAURA WEBER  
PHONE: (216) 443-8205  
FAX: (216) 443-8236

DOMINION EAST OHIO GAS COMPANY  
320 SPRINGSIDE DRIVE  
FAIRLAWN, OHIO 44333  
ATTENTION: MARY LONG  
PHONE: (330) 664-2409

FIRST ENERGY  
6896 MILLER ROAD, SUITE 110  
BRECKSVILLE, OHIO 44141  
ATTENTION: TED RADER  
PHONE: (440) 546-8738  
FAX: (440) 546-8780

MAYFIELD VILLAGE SERVICE DEPARTMENT  
610 SOM CENTER ROAD  
MAYFIELD VILLAGE, OHIO 44143  
ATTENTION: SCOTT SIPOS  
PHONE: 440-442-5506

CALL OHIO UTILITIES PROTECTION SERVICE  
TWO (2) WORKING DAYS BEFORE YOU DIG  
TOLL FREE NO. 1-800-362-2764

CALL OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS)  
TOLL FREE NO. 1-800-925-0988  
(NON-MEMBERS MUST BE CALLED DIRECTLY)

**PROJECT COMPLETION TIME**

THE TIME FOR TOTAL COMPLETION OF THE PROJECT IS SIXTY (60) CONSECUTIVE DAYS. IF PROJECT IS NOT TOTALLY COMPLETED IN THIS TIME FRAME, LIQUIDATED DAMAGES WILL APPLY AS PER ARTICLE 3.2 OF THE CONTRACT.

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK 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 FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL SUBSIDIARY AGREEMENT GOVERNING COMPLETION OF THIS PROJECT.

**ELEVATION DATUM AND SURVEYING PARAMETERS**

USE THE FOLLOWING HORIZONTAL POSITIONING AND VERTICAL POSITIONING PARAMETERS FOR ALL SURVEYING:

HORIZONTAL COORDINATES ARE TO BE PROJECT GROUND COORDINATES EXPRESSED IN U.S. SURVEY FEET BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE AND REFERENCE THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND THE 2011 CORS ADJUSTMENT. THE COMBINED SCALE FACTOR IS TO BE INCLUDED WITH THE PROJECT CONTROL INFORMATION FOR THE PROJECT.

VERTICAL CONTROL IS TO BE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION, AND OPERATION (INCLUDING ERECTION, MAINTENANCE AND REMOVAL) OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS, EXCEPT WHERE OTHERWISE NOTED, SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**EXISTING TYPICAL SECTIONS**

EXISTING TYPICAL SECTIONS HAVE BEEN DEVELOPED FROM SITE MEASUREMENTS, PAVEMENT CORES AND RECORD PLANS AND ARE BELIEVED TO REPRESENT THE WIDTH AND COMPOSITION OF THE EXISTING PAVEMENT, BUT THE VILLAGE DOES NOT GUARANTEE THE ACCURACY OF SAME.

**LOCAL LAWS, ORDINANCES AND REGULATIONS**

IN ACCORDANCE WITH SECTION 107.01 OF THE GENERAL PROVISIONS, THE CONTRACTOR SHALL STAY FULLY INFORMED OF ALL LOCAL LAWS, ORDINANCES, REGULATIONS, ORDERS AND DECREES THAT AFFECT THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBSERVE AND COMPLY WITH ALL SUCH LAWS, ORDINANCES, REGULATIONS, ORDERS AND DECREES AT NO ADDITIONAL COST TO THE PROJECT/VILLAGE.

**ADJUSTMENTS IN CONTRACT TIME**

TIME EXTENSIONS WILL ONLY BE CONSIDERED WHEN CONTROLLING ITEMS OF WORK ON THE APPROVED PROGRESS SCHEDULE ARE AFFECTED DUE TO NO FAULT OF THE CONTRACTOR.

WHEN ADDITIONAL WORK IS REQUIRED, TIME EXTENSIONS WILL ONLY BE GRANTED FOR CONTROLLING ITEMS ON THE PROGRESS SCHEDULE.

**PROJECT PROGRESS MEETINGS**

PROGRESS MEETINGS WILL BE HELD EVERY WEEK AT THE PROJECT OFFICE OR OTHER LOCATION DESIGNATED BY THE VILLAGE ENGINEER, AND WILL BE ATTENDED BY THE VILLAGE AND CONTRACTOR DECISION-MAKING PERSONNEL.

THE PURPOSE OF THESE MEETINGS IS TO DISCUSS CRITICAL OPERATIONS AND POTENTIAL PROBLEMS. ALSO, THE CONTRACTOR WILL CONFIRM THE NUMBER AND DURATION OF WORK SHIFTS, NUMBER OF WORK CREWS, AND SPECIFIC PORTIONS OF THE WORK TO BE PERFORMED DURING THE FOLLOWING WEEKS.

THESE MEETINGS CAN ONLY BE WAIVED BY THE VILLAGE ENGINEER.

**DEFINITIONS AND TERMS**

WHEREVER THERE APPEARS, IN THE STANDARD SPECIFICATIONS (ODOT ITEMIZED CMS), SUPPLEMENTAL SPECIFICATIONS OR PROPOSAL NOTES, THE TERM "THE STATE", "DIRECTOR OF TRANSPORTATION", "DEPARTMENT", "DISTRICT CONSTRUCTION ENGINEER/DISTRICT CONSTRUCTION ADMINISTRATOR (DCA)", "ENGINEER", OR ANY OTHER TERM DESIGNATING ANY REPRESENTATIVE OR EMPLOYEE OF THE STATE OR ITS DEPARTMENT OF TRANSPORTATION, SUCH TERM SHALL, FOR THE PURPOSE OF THIS CONTRACT, BE CONSIDERED AND TAKEN AS MEANING AND DESIGNATING THE RESPECTIVE OFFICER OR EMPLOYEE OF MAYFIELD VILLAGE WHOSE DUTY OR FUNCTION IT IS TO DEAL WITH THE SUBJECT MATTER IN CONNECTION WITH WHICH SUCH TERM IS USED AND SPECIFICALLY:

- THE STATE - MEANS MAYFIELD VILLAGE.
- DEPARTMENT - MEANS MAYFIELD VILLAGE.
- DIRECTOR - MEANS THE MAYFIELD VILLAGE ENGINEER, HIS/HER DEPUTIES, OR ANY ENGINEER DESIGNATED AS THE DIRECTOR'S REPRESENTATIVE.
- DISTRICT CONSTRUCTION ENGINEER/DISTRICT - MEANS THE MAYFIELD VILLAGE ENGINEER, OR THE DULY AUTHORIZED AGENT OR REPRESENTATIVE OF THE MAYFIELD VILLAGE, ACTING WITHIN THE SCOPE OF HIS/HER AUTHORITY FOR THE PURPOSES OF CONSTRUCTION ENGINEERING AND ADMINISTRATION OF THE CONTRACT.
- ADMINISTRATOR (DCA) OR ENGINEER
- LABORATORY - MEANS ANY LABORATORY DESIGNATED BY MAYFIELD VILLAGE.

**ROADWAY**

**ITEM 202: PAVEMENT REMOVED, AS PER PLAN (FOR NEW COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN)**

ALL APPLICABLE PROVISIONS OF ODOT ITEM 202: PAVEMENT REMOVED SHALL APPLY EXCEPT AS MODIFIED HEREIN.

THIS WORK SHALL INCLUDE THE REMOVAL OF 2'-6" OF EXISTING PAVEMENT FROM THE WEST BOUND LANE, WITHIN THE LIMITS SHOWN ON THE PLAN, AS MEASURED FROM THE BACK OF THE EXISTING CONCRETE CURB. THE COST OF ITEM 255: FULL DEPTH SAW CUTTING REQUIRED SHALL BE INCLUDED IN THIS ITEM.

**BASIS OF PAYMENT**

PAYMENT FOR ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THIS ITEM AS WELL AS DISPOSAL OF MATERIALS SHALL BE PAID AT THE SQUARE YARD UNIT PRICE FOR ITEM 202: PAVEMENT REMOVED, AS PER PLAN (FOR NEW COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN).

**ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN  
ITEM 623 - CUYAHOGA COUNTY MONUMENT BOX  
ITEM 623 - CUYAHOGA COUNTY CENTERLINE MONUMENT BOX ASSEMBLY, TYPE 1**

WHERE, AS DETERMINED BY THE ENGINEER, EXISTING MONUMENT BOXES ARE SUITABLE FOR REUSE, THEY SHALL REMAIN UNDISTURBED IN PLACE OR, IF/WHERE REQUIRED, THEY SHALL SIMPLY BE ADJUSTED TO GRADE.

EXISTING MONUMENT BOXES THAT ARE BOTH SUITABLE FOR REUSE AND CONFORM TO THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING MB-1C, MAY BE ADJUSTED USING ADJUSTING RINGS" AS DETAILED ON THE MB-1C DRAWING. EXISTING MONUMENT BOXES THAT ARE DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR REUSE SHALL BE REMOVED AND REPLACED WITH A CUYAHOGA COUNTY MONUMENT BOX AS DETAILED ON THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING MB-1C, SET TO GRADE.

CARE AND/OR PROTECTIVE MEASURES SHALL BE EMPLOYED BY THE CONTRACTOR TO AVOID DAMAGE OR DISRUPTION OF EXISTING MONUMENTS DURING THE MONUMENT BOX ADJUSTMENT OR REMOVAL AND REPLACEMENT OPERATIONS AND ALL OTHER OPERATIONS IN THE PROXIMITY OF SAID MONUMENTS. THOSE MONUMENTS THAT ARE DISPLACED OR DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REMOVED AND REPLACED WITH A TYPE 1 CUYAHOGA COUNTY CENTERLINE MONUMENT BOX ASSEMBLY UNDER THE SUPERVISION OF A LICENSED SURVEYOR; ALL AT THE CONTRACTOR'S EXPENSE. WHERE NO EXISTING MONUMENTS ARE FOUND WITHIN SAID MONUMENT BOXES OR WHERE MONUMENTS ARE DISPLACED OR DAMAGED AT NO FAULT OF THE CONTRACTOR, THEY SHALL BE PLACED OR REPLACED IN ACCORDANCE WITH "ITEM 623 - CUYAHOGA COUNTY CENTERLINE MONUMENT BOX ASSEMBLY, TYPE 1", AS SPECIFIED BELOW; ALL AT THE DIRECTION OF THE ENGINEER.

WHERE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE EXISTING MONUMENT ASSEMBLY IN ITS ENTIRETY AND SHALL INSTALL, EXCEPTING THE " MONUMENT PIN," THE ENTIRE MONUMENT ASSEMBLY, INCLUDING THE BOX AS DETAILED ON THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING MB-1C. INSTALLATION SHALL BE SUCH THAT WHEN THE CUYAHOGA COUNTY DEPARTMENT OF PUBLIC WORKS' SURVEYOR SUBSEQUENTLY PLACES THE "MONUMENT PIN", IT CAN BE CENTERED IN THE BOX. PAYMENT FOR THE ABOVE WORK SHALL BE MADE UNDER ITEM 623: CUYAHOGA COUNTY CENTERLINE MONUMENT BOX ASSEMBLY, TYPE 1.

THE FOLLOWING QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

- ITEM 623: MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN 4 EACH
- ITEM 623: CUYAHOGA COUNTY MONUMENT BOX 4 EACH
- ITEM 623: CUYAHOGA COUNTY CENTERLINE MONUMENT BOX ASSEMBLY, TYPE 1 4 EACH

**EXISTING DRIVE AND/OR DRIVE APRON REMOVAL/REPLACEMENT**

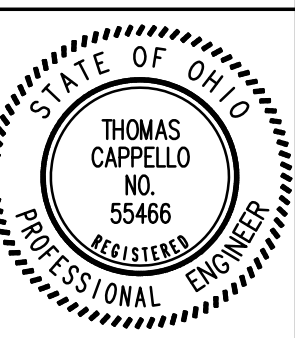
THE PROPOSED LOCATIONS AND LIMITS OF DRIVE AND/OR DRIVE APRON REMOVALS/REPLACEMENTS ARE AS SHOWN ON THE PLANS WITH THE ASSOCIATED PLAN QUANTITIES TABULATED ON SHEET NO. xx.

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE DESIGNATED PORTIONS OF EXISTING DRIVES AND/OR DRIVE APRONS PER 202.05 OR 203.04(E), AS APPLICABLE, AND BY METHODS THAT WILL NOT DISTURB, DAMAGE OR UNDERMINE THE ADJACENT PAVEMENT, CURB, SIDEWALK OR THE PORTIONS OF EXISTING DRIVES/DRIVE APRONS INTENDED TO REMAIN IN PLACE. ANY ADJACENT FACILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE, AS DETERMINED BY THE ENGINEER, AND WHICH ARE NOT OTHERWISE DESIGNATED FOR REPLACEMENT, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE; ALL AT THE DIRECTION OF THE ENGINEER.

EXCEPT AS OTHERWISE DIRECTED BY THE ENGINEER, THE CONFIGURATIONS OF COMPLETELY REPLACED DRIVE APRONS SHALL CONFORM TO THE DETAILS SHOWN ON THE PLAN SHEETS. THE DRIVE/DRIVE APRON COMPOSITIONS SHALL MINIMALLY CONFORM TO THE DETAILS SHOWN ON THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING BP-4.1C.

WHEN THE RESIDENT IS NOT ABLE TO ARRANGE FOR ALTERNATE PARKING LOCATION DURING THE DRIVE APRON REMOVAL AND REPLACEMENT, THE CONTRACTOR SHALL PROVIDE STEEL PLATE BRIDGING TO ALLOW ACCESS TO THE RESIDENT'S DRIVE.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FITTING OR SPAULING OF FINISHED CONCRETE AND SHALL REMOVE AND REPLACE DRIVE APRONS THAT EXPERIENCE THIS AT THE CONTRACTOR'S EXPENSE IF DETERMINED BY THE ENGINEER DURING THE THREE (3) MAINTENANCE BOND PERIOD.



NO.	DATE	DESCRIPTION
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STEPHEN HOVANCSEK & ASSOCIATES, INC.  
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MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD. IMPROVEMENTS**  
**GENERAL NOTES**

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**ITEM 608 – 4" CONCRETE WALK, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF 608, THE FOLLOWING SHALL APPLY:

ALL CONCRETE WALK SHALL BE A MINIMUM OF 4" THICK AND HAVE A 2" COMPACTED SCREENINGS BED WHICH MEETS THE REQUIREMENTS OF 703.10 (LIMITED TO CRUSHED STONE). WHERE THE WALK CROSSES A FLEXIBLE DRIVEWAY, THE THICKNESS SHALL BE INCREASED PER THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING BP-4.1C. THE COST FOR FURNISHING AND PLACING THE 2" COMPACTED SCREENINGS BED AND FOR THE THICKENING AT FLEXIBLE DRIVES PER THE BP-4.1C CONSTRUCTION DRAWING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608; 4" CONCRETE WALK, AS PER PLAN.

PER 608.03(C), IT IS REQUIRED THAT 1/2 INCH THICK EXPANSION JOINT MATERIAL (705.03) BE INSTALLED BETWEEN THE WALK AND THE BACK OF CURB OR ANY OTHER FIXED OBJECT. IN ADDITION TO THE LOCATIONS SPECIFIED UNDER 608.03(C), TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF NOT MORE THAN 25 TO 30 FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE EXPANSION JOINT FILLER (705.03) SHALL BE PLACED AT THE TRANSVERSE EXPANSION JOINTS FOR THE FULL DEPTH/WIDTH OF THE CONCRETE WALK AND SHALL BE TRULY NORMAL TO GRADE. THE TOP 1/2 INCH OF THE EXPANSION JOINT PLACED BETWEEN THE WALK AND BACK OF CURB SHALL BE SEALED WITH 705.04 JOINT SEALER.

UNLESS OTHERWISE REQUIRED BY MUNICIPAL STANDARDS/ORDINANCES, THE FINAL SURFACE SHALL BE TEXTURED BY USE OF AN ACCEPTED BROOM SO AS TO PRODUCE A UNIFORM, GRITTY, TRANSVERSE TEXTURE, AFTER WHICH, THE CONTRACTOR IS REQUIRED TO RETRACE THE PREVIOUSLY FORMED JOINTS AND OUTSIDE EDGES OF THE WALK.

FINAL FINISH SHALL BE IN ACCORDANCE WITH THE APPLICABLE MUNICIPAL STANDARDS/ORDINANCES.

THE COST OF THE MATERIAL AND LABOR ASSOCIATED WITH THE ABOVE WORK IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608 – 4" CONCRETE WALK, AS PER PLAN.

**ITEM 608 – CURB RAMP, (BY TYPE), AS PER PLAN**

ALL APPLICABLE PROVISIONS OF ITEM 608 SHALL APPLY EXCEPT AS MODIFIED HEREIN. 608.01 DESCRIPTION. THIS WORK SHALL CONSIST OF CONSTRUCTING AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT CURB RAMPS IN ACCORDANCE WITH ODOT'S STANDARD CONSTRUCTION DRAWING BP-7.1 (EXCEPT AS MODIFIED HEREIN) AT THE LOCATIONS SHOWN ON THE PLANS OR AT LOCATIONS DETERMINED BY THE ENGINEER.

**608.02 MATERIALS**

IN ADDITION TO THE ODOT APPROVED DETECTABLE WARNING PRODUCTS AND INSTALLATION REQUIREMENTS, THE DETECTABLE WARNINGS MATERIAL SHALL BE CAST IRON.

**608.07 CURB RAMPS**

WHERE PHYSICALLY FEASIBLE, AS DETERMINED BY THE ENGINEER, PROVIDE 3:1 FLARED SIDES IN LIEU OF RETURNED CURBS.

THICKNESS OF THE CURB RAMP WALK AND CONCRETE BASE BENEATH THE DETECTABLE WARNINGS SHALL BE A MINIMUM OF SIX (6) INCHES. IN ADDITION, A TWO (2) INCH COMPACTED SCREENINGS BED, AS SPECIFIED UNDER "ITEM 608: 4" CONCRETE WALK, AS PER PLAN", SHALL BE FURNISHED AND PLACED BENEATH ALL CURB RAMP AREAS.

**608.09 BASIS OF PAYMENT**

PAYMENT WILL BE MADE UNDER ITEM 608: CURB RAMP, TYPE \_\_\_\_ (A1, A2, B1, B2, B3, C1 OR C2), AS PER PLAN (EACH).

THE PER EACH PAYMENT FOR CURB RAMPS SHALL ALSO INCLUDE THICKENING THE CONCRETE WALK TO SIX (6) INCHES.

PAYMENT FOR FURNISHING AND PLACING THE TWO (2) INCH COMPACTED SCREENINGS BED IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 608: 4" CONCRETE WALK, AS PER PLAN WHICH IS MEASURED THROUGH ALL CURB RAMP AREAS.

PLAN QUANTITIES FOR THE ABOVE ARE TABULATED ON SHEET NO.13.

**EROSION CONTROL NOTES**

**ITEM 659: SEEDING AND MULCHING, AS PER PLAN**

WHEN THE ABOVE ITEM IS CALLED FOR ON THE PLANS OR IN THE PROPOSAL, ALL APPLICABLE PROVISIONS OF ITEM 659, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY UNLESS MODIFIED HEREIN.

**659.07 SEEDS.** UNLESS OTHERWISE DIRECTED/APPROVED BY THE ENGINEER, HIGH QUALITY GERMINATION RATES ARE REQUIRED.

**659.09 NATIVE GRASSES AND WILDFLOWERS.** UNLESS OTHERWISE DIRECTED/APPROVED BY THE ENGINEER, THE FOLLOWING SEED MIXTURE CLASS(ES) SHALL BE USED: (SEE DESIGNER NOTE).

**659.10 SITE PREPARATION.** IN ADDITION TO "AREAS IN FRONT OF RESIDENCES, COMMERCIAL PROPERTIES, ETC." REFERRED TO IN 659.10(A), THE SPECIAL PREPARATION SHALL BE EXTENDED TO ENCOMPASS ALL LAWNS AND/OR LAWN-LIKE AREAS AS DETERMINED BY THE ENGINEER. REMOVE ALL STONES 1-INCH OR GREATER BY APPROVED METHODS/EQUIPMENT SUCH AS "ROCK HOUNDING", RAKING, ETC.

**659.11 PLACING TOPSOIL.** TOPSOIL SHALL BE PLACED AND SPREAD TO A MINIMUM COMPACTED DEPTH OF TWO (2) INCHES. THE FINISHED TOPSOIL SURFACES SHALL BE SEEDING AND MULCHED WITHIN SEVENTY-TWO (72) HOURS OF THEIR ACCEPTED COMPLETION.

**659.13 MULCHING OPERATION.** UNLESS OTHERWISE DIRECTED OR APPROVED BY THE ENGINEER, STRAW MULCH (PER 659.14) OR COMPOST MULCH (PER 659.16) SHALL BE USED.

**659.17 Watering.** IN ADDITION TO THE REQUIREMENTS OF 659.17, THE SEED BED SHALL BE KEPT ACCEPTABLY MOIST UNTIL THE SEED HAS GERMINATED; ALL AT THE DIRECTION OR APPROVAL OF THE ENGINEER.

**659.23 PERFORMANCE.** THE COUNTY WILL INSPECT ALL SEEDED AREAS NO EARLIER THAN ONE (1) MONTH AND NO LATER THAN NINE (9) MONTHS AFTER FINAL/COMPLETED SEEDING; ALL AT THE DISCRETION/DETERMINATION OF THE ENGINEER.

**659.24 METHOD OF MEASUREMENT.** SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR ITEM 659 – SEEDING AND MULCHING, AS PER PLAN ARE BASED ON THESE LIMITS.

**659.25 BASIS OF PAYMENT.** PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT LUMP SUM UNIT PRICE BID FOR THIS ITEM.

**ITEM 832 – EROSION CONTROL**

THE FOLLOWING ESTIMATED QUANTITY IS PROVIDED FOR TEMPORARY SEDIMENT AND EROSION CONTROL (TSEC) IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ODOT SUPPLEMENTAL SPECIFICATION 832:

ITEM 832 – EROSION CONTROL 4,000 EACH

UNLESS OTHERWISE APPROVED BY THE ENGINEER, DAMAGED FILTER FABRIC FENCE SHALL BE REPLACED IN LIEU OF ANY/ALL METHODS OF REPAIR.

**DRAINAGE NOTES**

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE VILLAGE, REPRESENTATIVES OF THE VILLAGE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE VILLAGE.

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. 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 CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT OR 611 STRUCTURE ITEMS.

**ITEM SPECIAL – MISCELLANEOUS METAL**

THE ENGINEER SHALL INSPECT THE EXISTING CASTINGS ON ALL STRUCTURES WITHIN THE WORK LIMITS, EXCEPTING CASTINGS ON STRUCTURES OWNED BY PRIVATE COMPANIES AND CASTINGS ON STRUCTURES TO BE REMOVED AND/OR REPLACED. THOSE CASTINGS THAT THE ENGINEER DETERMINES ARE UNSUITABLE SHALL BE REPLACED. TO PROVIDE FOR THIS CONTINGENCY, AN ESTIMATED QUANTITY OF ITEM SPECIAL – MISCELLANEOUS METAL HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL CASTING MATERIALS SHALL CONFORM TO ITEM 611 OR ITEM 638, IF APPLICABLE, AND HAVE THE PRIOR APPROVAL OF THE ENGINEER.

WHERE IT IS NECESSARY TO REPLACE UNSUITABLE STORM/SANITARY SEWER MANHOLE CASTINGS (FRAMES AND COVERS), THEY SHALL BE REPLACED USING CUYAHOGA COUNTY NO. 9 FRAMES AND EITHER NO. 28 COVERS (OR NO.28 SANITARY COVERS FOR SANITARY OR COMBINED SEWERS) OR NO. 37 COVERS, AS DETAILED ON THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWINGS MH-10C AND MH-11C. CASTINGS SHALL ALSO MEET THE CURRENT "UNIFORM STANDARDS FOR SEWERAGE IMPROVEMENTS" AND "UNIFORM STANDARDS SEWER DETAILS" THAT ARE FOUND AT THE FOLLOWING WEBSITE: <https://www.cuyahogacounty.us/publicworks/services/design-and-construction/sanitary-design/sanitary-design-construction-drawings-and-standards>

WHERE THE ENGINEER DETERMINES CATCH BASIN GRATES ENCOUNTERED WITHIN THE WORK ARE NON-BICYCLE/PEDESTRIAN SAFE, THEY SHALL BE REMOVED AND REPLACED WITH THE APPROPRIATE BICYCLE / PEDESTRIAN SAFE GRATES AS AVAILABLE AND RECOMMENDED BY THE VARIOUS CASTING MANUFACTURERS AND APPROVED BY THE ENGINEER.

REGARDLESS OF THEIR CONDITION, ALL EXISTING CUYAHOGA COUNTY 3C CATCH BASIN FRAMES AND GRATES SHALL BE EXAMINED BY THE ENGINEER TO DETERMINE THAT THEY ARE OF THE TYPE SPECIFIED ON THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING CB-3C (FOUR-SIDED BEARING FRAME AND BICYCLE/PEDESTRIAN SAFE GRATE), ANY THAT ARE NOT SHALL BE REPLACED AND PAID FOR UNDER THIS ITEM.

WHERE ENCOUNTERED/DISTURBED DURING CATCH BASIN RECONSTRUCTION, EXISTING CAST IRON TRAPS SHALL TYPICALLY BE REUSED. IF, IN THE OPINION OF THE ENGINEER, THE EXISTING TRAP IS UNSUITABLE FOR REUSE, THE CONTRACTOR SHALL REPLACE IT. SEE THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING CB-3C S/T FOR APPROPRIATE CAST IRON TRAP TO BE USED ON CUYAHOGA COUNTY NO. 3C CATCH BASINS.

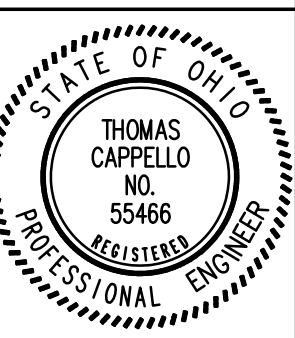
THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, CLEANING, STORAGE AND RESETTING OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE CONTRACTOR'S EXPENSE.

EXCEPT WHERE/IF SPECIFICALLY REQUIRED AND SO SPECIFIED ELSEWHERE IN THE PLANS, THE CONTRACTOR SHALL NOT ORDER ANY OF THE ABOVE CASTINGS UNTIL DIRECTED BY THE ENGINEER, AND IN THE EVENT NO REPLACEMENT CASTINGS ARE REQUIRED, THE ITEM SHALL BE NONPERFORMED.

ALL COST ASSOCIATED WITH FURNISHING ACCEPTABLE NEW CASTING MATERIALS SHALL BE INCLUDED UNDER THIS ITEM. IN ADDITION, THE COST FOR SIMPLY INSTALLING NEW GRATES/COVERS ONLY SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. ALL COST ASSOCIATED WITH SETTING NEW CASTINGS (FRAMES AND COVERS/GRATES) TO GRADE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT STRUCTURE (611) "ADJUSTED TO GRADE, AS PER PLAN" OR "RECONSTRUCTED TO GRADE, AS PER PLAN".

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM SPECIAL – MISCELLANEOUS METAL 10,000 LB



NO.	DATE	DESCRIPTION
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1		

STEPHEN HOVANCSEK & ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
TWO MERRIT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
PH: (216) 731-6255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD. IMPROVEMENTS**  
**GENERAL NOTES**

G:\2022\22-124\_MV RIDGEBURY BLVD. COUNTY ROAD 5050 PROGRAM FUNDING APPLICATION\DWG S&I\22-124\_PG-04-07\_GENERAL NOTES.DWG 4/18/2024 10:18:50 AM EDT

**STRUCTURES ADJUSTED TO GRADE, RECONSTRUCTED TO GRADE OR REPLACED**

ALL ADJUSTMENT, RECONSTRUCTION OR REPLACED WORK, EXCEPT FOR THOSE STRUCTURES OWNED BY PRIVATE COMPANIES, SHALL BE PERFORMED BY THE CONTRACTOR. WHERE APPLICABLE, THE TIME BETWEEN RESETTING THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM.

EXCEPT AS NOTED BELOW FOR EXISTING PRECAST SANITARY SEWER MANHOLES, ALL PUBLICALLY OWNED CASTINGS SHALL BE ADJUSTED OR RECONSTRUCTED TO GRADE IN ACCORDANCE WITH 611.10 USING ALL RED CLAY BRICKS (704.01), CLASS QC 1 CONCRETE (511) AND/OR CONCRETE MORTAR (602), OR PER 6.38.18 AND AS SPECIFIED BELOW FOR SERVICE BOX AND VALVE BOX ADJUSTMENTS. EXCEPT FOR EXISTING PRECAST SANITARY SEWER MANHOLES, NO GRADE RINGS OR METAL ADJUSTING RINGS (CASTINGS) ARE PERMITTED. MAXIMUM CONCRETE MORTAR THICKNESS IS 1-1/2".

EXISTING SANITARY SEWER MANHOLES SHALL BE RECONSTRUCTED TO GRADE USING A FOUR (4) INCH MINIMUM TO TWELVE (12) INCH MAXIMUM DEPTH OF EXISTING AND/OR PROPOSED GRADE RINGS (706.13) IN LIEU OF BRICK OR CLASS QC 1 CONCRETE. GROUT BETWEEN GRADE RINGS AND ON THE OUTSIDE OF THE GRADE RINGS. SET THE MANHOLE FRAME IN A FINISHED MORTAR BED WITH A FLUSH MORTAR JOINT. WHERE NECESSARY, RECONSTRUCTION WORK SHALL BE ACCOMPLISHED BY THE REMOVAL AND/OR ADDITION OF FOUR (4) FOOT DIAMETER PRECAST MANHOLE RISER SECTIONS (706.13). IN ADDITION, APPROVED CHIMNEY SEALS (PER SECTION 5.209E OF THE CUYAHOGA COUNTY UNIFORM STANDARDS FOR SEWERAGE) SHALL BE INSTALLED AFTER THE EXISTING PRECAST SANITARY SEWER MANHOLES HAVE BEEN RECONSTRUCTED TO GRADE.

THE CONTRACTOR SHALL RESET EXISTING VALVE BOXES OR EXISTING CURB SHUT-OFF VALVE BOXES TO ESTABLISHED GRADE BY RAISING OR LOWERING THE EXISTING CASTINGS OR BY EITHER ADDING, DELETING OR CUTTING THE APPROPRIATE VALVE BOX STEM SECTIONS. IN RAISING OF THE CASTINGS, NO INSERTS WILL BE PERMITTED. ANY VALVE BOXES OR CURB SHUT-OFF VALVE BOXES FOUND TO BE DAMAGED OR UNSUITABLE FOR REUSE SHALL BE REPLACED BY THE CONTRACTOR AND PAID FOR UNDER ITEM SPECIAL - MISCELLANEOUS METAL. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY AS REQUIRED OR AS ORDERED TO COMPLETE THE ITEM.

ADJUST TO GRADE, RECONSTRUCT TO GRADE OR TOTAL REPLACEMENT WORK SHALL, WHERE REQUIRED, INCLUDE THE REMOVAL AND REPLACEMENT OF ANY EXISTING CONCRETE BLOCKOUT CURB AND/OR PAVEMENT USING MEDIUM SET (CLASS QC MS) CONCRETE OR, IF APPROVED/DIRECTED BY THE ENGINEER, FAST SET (CLASS QC FS) CONCRETE PER 499.03 OF THE SPECIFICATIONS AND THE "MODIFICATIONS TO ITEM 499 CONCRETE - GENERAL" AS CONTAINED IN THE "SECTION 400 PROPOSAL NOTEDS" OF THE CUYAHOGA COUNTY ENGINEER SPECIFICATION BOOKLET. TO FACILITATE REMOVAL, THE BLOCKOUT PAVEMENTS SHALL BE SAWED FULL DEPTH (PER 255.03) ALONG THE LIMITS OF THEIR REMOVAL UNLESS OTHERWISE DESIGNATED/DIRECTED BY THE ENGINEER. UNLESS OTHERWISE APPROVED/DIRECTED BY THE ENGINEER, BLOCKOUT PAVEMENT, REINFORCING STEEL, JOINT MATERIAL AND LOAD TRANSFER DEVICES SHALL BE REPLACED / INSTALLED IN ACCORDANCE WITH THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING(S) BP-2.7C (MANHOLES) AND CB-3C OR OTHER APPROPRIATE CATCH BASIN DRAWING(S). UNLESS OTHERWISE DIRECTED/APPROVED BY THE ENGINEER, REPLACE EXCAVATED SUBBASE AND SUBGRADE MATERIALS BELOW THE PROPOSED BLOCKOUT PAVEMENT WITH "ITEM 613-LOW STRENGTH MORTAR BACKFILL (TYPE 1), AS PER PLAN" EXCEPT THE USE OF FOUNDRY SAND IS STRICTLY PROHIBITED. SEE THE "ITEM 613 - LOW STRENGTH MORTAR BACKFILL (TYPE 1), AS PER PLAN" PROPOSAL NOTE CONTAINED IN SECTION 400 OF THE "CUYAHOGA COUNTY ENGINEER SPECIFICATION BOOKLET". ALL COSTS ASSOCIATED WITH THE BLOCKOUT REMOVALS/REPLACEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PER EACH BID ITEMS.

ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD CHECKED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED AS DIRECTED BY THE ENGINEER. UNLESS OTHERWISE INDICATED ON THE PLAN, REPLACEMENT CASTINGS ARE PAID UNDER ITEM SPECIAL - MISCELLANEOUS METAL.

THE ENGINEER WILL DETERMINE THE ITEM 611 WORK REQUIRED BASED ON THE GUIDELINES STIPULATED BELOW:

1. "ADJUST TO GRADE, AS PER PLAN" SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 (D) AS NECESSARY TO RAISE THE EXISTING/NEW CASTING NO MORE THAN ONE (1) FOOT FROM ITS EXISTING ELEVATION OR TO LOWER THE EXISTING/NEW CASTING NO MORE THAN SIX (6) INCHES FROM ITS EXISTING ELEVATION. IN ADDITION, THIS ITEM WILL INCLUDE ANY SUPPORTING WALL REPAIR WORK NECESSARY, UP TO SIX (6) INCHES BELOW THE TOP OF THE EXISTING SUPPORTING WALL.

PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) ADJUSTED TO GRADE, AS PER PLAN.

2. "RECONSTRUCT TO GRADE, AS PER PLAN" SHALL INCLUDE ALL WORK SPECIFIED IN 611.10 (C) AND SHALL ALSO INCLUDE EXISTING/NEW CASTINGS RAISED MORE THAN ONE (1) FOOT FROM THEIR EXISTING ELEVATION OR LOWERED MORE THAN SIX (6) INCHES FROM THEIR EXISTING ELEVATION.

THE WORK LIMIT SHALL BE SPECIFIED BY THE ENGINEER AND PAYMENT SHALL BE MADE UNDER THE APPROPRIATE STRUCTURE (ITEM 611) RECONSTRUCTED TO GRADE, AS PER PLAN.

ONLY ONE (1) OF THE ABOVE PAYMENT ITEMS MAY BE USED PER STRUCTURE.

"RECONSTRUCT TO GRADE, AS PER PLAN" WORK SHALL NOT BE PERFORMED UNLESS SPECIFICALLY INDICATED IN THE PLANS OR OTHERWISE ORDERED BY THE ENGINEER. ANY SUCH WORK MADE NECESSARY DUE TO THE CONTRACTOR'S NEGLIGENT OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

ADJUSTMENT TO GRADE ITEMS HAVE BEEN NOTED ON THE PLAN SHEETS AND THE QUANTITIES LISTED ON THE ROADWAY SUB-SUMMARY SHEET.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR POSSIBLE "RECONSTRUCT TO GRADE, AS PER PLAN" ITEMS:

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN 2 EACH  
ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN 2 EACH

**ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN**

605.02 MATERIALS:  
CONDUIT FOR THIS ITEM SHALL BE LIMITED TO CORRUGATED POLYETHYLENE SMOOTH LINE PIPE, 707.33, AASHTO M252, WITH PERFORATIONS PER AASHTO CLASS II.

605.03 PIPE UNDERDRAIN CONSTRUCTION:  
THE REMOVAL OF THE EXISTING UNDERDRAIN AND UNDERDRAIN STONE SHALL BE INCLUDED IN THE COST OF THIS ITEM.

**ITEM 611 - CONDUITS, AS PER PLAN  
ITEM 611 - STRUCTURES, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ITEM 611, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE FOLLOWING ADDITIONAL RESTRICTIONS SHALL BE MET FOR ITEM 611 - CONDUITS, AS PER PLAN AND ITEM 611: STRUCTURES, AS PER PLAN:

PIPE SHALL BE LIMITED TO CORRUGATED POLYETHYLENE SMOOTH LINED PIPE, 707.33 OR POLYVINYL CHLORIDE SOLID WALL PIPE, 707.45 UNLESS OTHERWISE CALLED FOR ON THE PLANS.

STORM SEWER MANHOLES CONSTRUCTED FOR THIS PROJECT SHALL HAVE A CUYAHOGA COUNTY NO. 9 FRAME AND NO. 28 COVER, AS DETAILED ON THE CUYAHOGA COUNTY ENGINEER'S CONSTRUCTION DRAWING MH-10C.

STRUCTURAL BACKFILL MATERIAL (703.11) FURNISHED FOR BEDDING AND BACKFILL OPERATIONS SHALL BE LIMITED TO CRUSHED CARBONATE STONE. GRANULAR EMBANKMENT MATERIAL (203.02.R) FURNISHED FOR NON-STRUCTURAL BACKFILL OPERATIONS SHALL BE LIMITED TO NATURAL GRANULAR MATERIAL (203.02.H) AND RECYCLED PORTLAND CEMENT CONCRETE (RPCC). IN ADDITION TO THE REQUIREMENTS OF 703.16, THE USE OF RPCC IS SUBJECT TO THE RESTRICTIONS OF 203.03(B) AND 203.03(E). BEDDING SHALL BE PLACED AND COMPACTED PER 611.06. THE METHOD OF BACKFILLING SHALL BE PER 611.06. AT THE CONTRACTOR'S OPTION AND WITH THE APPROVAL OF THE MAINTAINING AGENCY, ITEM 613- LOW STRENGTH MORTAR BACKFILL (TYPE 1), AS PER PLAN MAY BE USED IN LIEU OF OR IN CONJUNCTION WITH THE SPECIFIED STRUCTURAL AND NON-STRUCTURAL BACKFILL MATERIAL AT NO ADDITIONAL COST TO THE PROJECT.

**CONTINGENCY ITEMS FOR DRAINING PONDED (TRAPPED) RUNOFF**

AS A RESULT OF THE PROPOSED CONSTRUCTION, RAINWATER MAY UNEXPECTEDLY / UNAVOIDABLY POND IN A FEW SPOT LOCATIONS WITHIN THE PROJECT WORK LIMITS / EASEMENTS (I.E., TREE LAWNS, BEHIND SIDEWALK, ADJACENT TO DRIVES/APRONS, ETC.). SUITABLE PROVISIONS FOR COLLECTING, CONVEYING AND DISCHARGING ANY SUCH LOCALIZED PONDING SHALL BE AS DETERMINED / DIRECTED BY THE ENGINEER.

TO PROVIDE FOR THIS CONTINGENCY, THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED IN THE BID PROPOSAL FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 611: 6" CONDUIT, TYPE C, AS PER PLAN 50 FT.  
ITEM 611: 12" CONDUIT, TYPE C, AS PER PLAN 50 FT.  
ITEM 611: 12" CONDUIT, TYPE B, AS PER PLAN 50 FT.  
ITEM 611: INLET, SIDE DITCH, AS PER PLAN 2 EACH  
ITEM 611: CATCH BASIN, NO. 2-2B, AS PER PLAN 1 EACH

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

**PAVEMENT NOTES**

**ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN**

THE CONTRACTOR SHALL SCHEDULE HIS/HER OPERATIONS SUCH THAT THE PROPOSED ASPHALT CONCRETE INTERMEDIATE COURSE IS PLACED WITHIN SEVEN (7) DAYS OF THE PAVEMENT PLANING.

**ITEM 255: FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN**

ALL APPLICABLE PROVISIONS OF ODOT ITEM 255: FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT SHALL APPLY EXCEPT AS MODIFIED HEREIN.

ALL FULL DEPTH PAVEMENT SAWING THAT IS REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF THIS ITEM.

IN LIEU OF REINFORCING STEEL MESH, THE CONCRETE MIX DESIGN SHALL HAVE Master Builders MasterFiber MAC 100 Macrosynthetic Fiber ADDED AT A RATE OF 3 LB/CY.

ALL DOWELS, DOWELS BASKETS AND HOOK BOLTS SHALL BE EPOXY COATED.

BASIS OF PAYMENT  
THE ACCEPTED QUANTITIES OF FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT SHALL BE PAID FOR AT THE RESPECTIVE CONTRACT SQUARE YARD UNIT PRICE FOR ITEM 255: FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN

**ITEMS 301 AND 448, PG 64-22, AS PER PLAN**

USE OF RECLAIMED ASPHALT CONCRETE PAVEMENT IS LIMITED TO A MAXIMUM OF 10% FOR SURFACE COURSES. USE OF RECLAIMED ASPHALT SHINGLES ARE NOT PERMITTED IN ANY ASPHALT CONCRETE COURSE.

THE COARSE AGGREGATE SHALL CONFORM TO 703.04 AND/OR 703.05 B, AS APPLICABLE, EXCEPT THAT GRAVEL WILL NOT BE PERMITTED.

PRIOR TO PRODUCING THE ASPHALT CONCRETE FOR THIS CONTRACT, SUBMIT A JOB MIX FORMULA (JMF) FOR APPROVAL BY THE ENGINEER. USE A JMF THAT MEETS ALL REQUIREMENTS ESTABLISHED IN THE CONTRACT AND HAS PREVIOUSLY BEEN APPROVED FOR USE ON ODOT WORK. WHERE NO PREVIOUSLY APPROVED (BY ODOT) JMF IS AVAILABLE, DEVELOP A JMF MEETING ALL CRITERIA ESTABLISHED IN THE CONTRACT AND HAVE IT REVIEWED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO SUBMISSION TO THE ENGINEER. THE INDEPENDENT TESTING LABORATORY SHALL HAVE APPROPRIATELY APPROVED PERSONNEL AND TESTING EQUIPMENT PER ODOT SUPPLEMENT 1041. ALL COST ASSOCIATED WITH THE ABOVE SHALL BE INCLUDED IN THE CUBIC YARD COST OF THE ASPHALT CONCRETE BID ITEM(S).

SAMPLING FOR VERIFICATION ACCEPTANCE (403.06.A) SHALL BE PERFORMED IN ACCORDANCE WITH ODOT SUPPLEMENT 1035 FOR ALL 448 ACCEPTANCE MIXES.

UNLESS OTHERWISE DIRECTED/APPROVED BY THE ENGINEER, CONDUCT DENSITY GAUGE QUALITY CONTROL TESTING ON BOTH THE ITEM 441 ASPHALT CONCRETE SURFACE COURSE AND INTERMEDIATE COURSE MATS ACCORDING TO ODOT SUPPLEMENT 1055 REGARDLESS OF THE NUMBER OF LANES OR LENGTH OF CONTINUOUS PAVING.

**ITEM 304 - AGGREGATE BASE, AS PER PLAN**

MATERIAL FURNISHED FOR THIS ITEM SHALL BE LIMITED TO CRUSHED CARBONATE STONE.

AGGREGATE BASE MATERIAL MAY BE SPREAD UPON THE SUBGRADE ONLY AFTER THE PRESCRIBED SUBGRADE AND SUBBASE DRAINAGE HAS BEEN PLACED.

**ITEM 451 - REINFORCED CONCRETE PAVEMENT, CLASS QC MS, AS PER PLAN (DRIVE APRONS)**

WHEN THE ABOVE ITEM IS CALLED FOR ON THE PLANS OR IN THE PROPOSAL, ALL APPLICABLE PROVISIONS OF ITEM 451, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY EXCEPT AS MODIFIED HEREIN.

**451.02 - MATERIALS**

USE OF SLAG MODIFIED PORTLAND CEMENT (701.09) OR BLENDED CEMENT IS NOT PERMITTED.

USE OF CONCRETE MADE WITH RECYCLED CONCRETE AGGREGATE (RCA) (ODOT SUPPLEMENT 1117) IS NOT PERMITTED.

CURING MATERIAL SHALL BE 705.07 (TYPE 2).

IN LIEU OF STEEL REINFORCING MESH FABRIC, THE CONCRETE MIX DESIGN SHALL HAVE MASTER BUILDERS MASTERFIBER MAC 100 MACROSYNTHETIC FIBER ADDED AT A RATE OF 3 LB/CY.

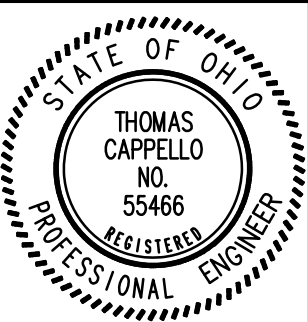
DOWEL BARS ARE NOT REQUIRED.

**ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN**

CLASS QC MS CONCRETE SHALL BE USED AND CONFORM TO THE MODIFICATIONS TO ITEM 499.02 MATERIALS LISTED BELOW:

USE OF SLAG MODIFIED PORTLAND CEMENT (701.09) OR BLENDED CEMENT IS NOT PERMITTED.

USE OF CONCRETE MADE WITH RECYCLED CONCRETE AGGREGATE (RCA) (ODOT SUPPLEMENT 1117) IS NOT PERMITTED.



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STEPHEN HOVANCSEK & ASSOCIATES, INC.  
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MAXFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD. IMPROVEMENTS**  
**GENERAL NOTES**

G:\2022\22-124\_MV RIDGEBURY BLVD. COUNTY ROAD 5050 PROGRAM FUNDING APPLICATION\Drawg S&A\22-124\_PG-04-07\_GENERAL NOTES.DWG 4/18/2024 10:18:50 AM EDT

**ITEM 407 – TACK COAT, TRACKLESS TACK, INTERMEDIATE COURSE, AS PER PLAN  
ITEM 407 – TACK COAT, TRACKLESS TACK, SURFACE COURSE, AS PER PLAN**

**407.01 DESCRIPTION**

THE WORK DESCRIBED UNDER THIS SPECIFICATION IS TO BE PERFORMED PRIOR TO THE PLACEMENT OF THE INTERMEDIATE OR SURFACE COURSE AS REQUIRED FOR PREPARING AND TREATING THE SURFACE WITH AN NTSS-IHM TRACKLESS TACK PRODUCED BY BLACKLIDGE EMULSIONS, INC. ALL REQUIREMENTS OF THE ITEM 407 TACK COAT SPECIFICATION IN THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL BE MET.

**407.03 EQUIPMENT**

SEE MANUFACTURER'S REPRESENTATIVE FOR CORRECT DISTRIBUTOR SETTINGS.

NOTE: THIS PRODUCT (NTSS-IHM) IS NOT COMPATIBLE WITH CATIONIC EMULSIONS (CRS, CQS, CMS, CSS, EC). ALL EQUIPMENT SHOULD BE THOROUGHLY CLEANED IF CATIONIC EMULSION WAS PREVIOUSLY PRESENT. IF PRODUCT IS TO BE STORED FOR AN EXTENDED PERIOD OF TIME, PRIOR TO APPLICATION, THE MATERIAL SHOULD BE AGITATED OR GENTLY CIRCULATED PRIOR TO USE.

**407.04 WEATHER LIMITATIONS**

DO NOT APPLY THE ASPHALT MATERIAL IF THE SURFACE TEMPERATURE IS BELOW THE MINIMUM PLACEMENT TEMPERATURE FOR THE COURSE TO BE PLACED, AS SPECIFIED IN 401.06. NOTE: SUBJECT TO DAMAGE IF FROZEN. KEEP FROM FREEZING.

**407.05 PREPARATION OF SURFACE**

ENSURE THAT THE SURFACE IS THOROUGHLY CLEAN AND DRY WHEN THE ASPHALT MATERIAL IS APPLIED. REMOVE MATERIAL CLEANED FROM THE SURFACE AND DISPOSE OF, AS DIRECTED BY THE ENGINEER.

**407.06 APPLICATION OF ASPHALT MATERIAL**

UNIFORMLY APPLY THE ASPHALT MATERIAL WITH A DISTRIBUTOR PER THE REQUIREMENTS OF 407.06 EXCEPT AS NOTED. DILUTION IS NOT PERMITTED.

ALL NOZZLES AND SPRAY PATTERNS SHOULD BE IDENTICAL TO ONE ANOTHER ALONG THE DISTRIBUTOR SPRAY BAR. THE ANGLE OF THE NOZZLE SHOULD BE A 15 TO 30 DEGREE ANGLE TO THE SPRAY BAR AXIS TO MAXIMIZE OVERLAP OR AS RECOMMENDED BY THE NOZZLE MANUFACTURER. CONTACT THE MANUFACTURER'S REPRESENTATIVE FOR REQUIRED SPRAY NOZZLE SIZE AND DISTRIBUTOR AND NOZZLE SETTINGS.

APPLY PRODUCT AT AN AVERAGE RATE OF 0.04 TO 0.08 GALLON PER SQUARE YARD. RECOMMENDED APPLICATION TEMPERATURE IS 160°F TO 180°F. DO NOT EXCEED 180°F.

THE REQUIREMENT TO CONFORM TO 702.13 IS NOT APPLICABLE.

THE ENGINEER AND MANUFACTURER'S REPRESENTATIVE WILL APPROVE THE RATE OF APPLICATION, TEMPERATURE, DISTRIBUTOR SETTINGS AND AREAS TO BE TREATED BEFORE APPLICATION OF TACK COAT. THE ENGINEER WILL DETERMINE THE ACTUAL APPLICATION IN GALLON PER SQUARE YARD BY A CHECK ON THE PROJECT. THE APPLICATION IS CONSIDERED SATISFACTORY WHEN THE ACTUAL RATE IS WITHIN ±10% OF THE REQUIRED RATE AND THE MATERIAL IS APPLIED UNIFORMLY WITH NO VISIBLE EVIDENCE OF STREAKING OR RIDGING.

**407.07 METHOD OF MEASUREMENT**

THE ENGINEER WILL VERIFY TRACKLESS TACK COAT BY THE NUMBER OF GALLONS OF UNDILUTED ASPHALT MATERIAL APPLIED.

**407.08 BASIS OF PAYMENT**

THE ACCEPTED QUANTITY OF TRACKLESS TACK COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER GALLON FOR ITEM 407: TACK COAT, TRACKLESS TACK, INTERMEDIATE COURSE, AS PER PLAN OR ITEM 407: TACK COAT, TRACKLESS TACK, SURFACE COURSE, AS PER PLAN WHICH PRICE AND PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND INCIDENTALS FOR DOING ALL WORK INVOLVED IN FURNISHING AND PLACING THE ASPHALT MATERIAL AND FOR DOING ALL WORK INVOLVED IN FURNISHING AND PLACING THE ASPHALT SEALANT.

**ITEM UNIT DESCRIPTION:**

ITEM 407: GALLON TACK COAT, TRACKLESS TACK, INTERMEDIATE COURSE, AS PER PLAN  
ITEM 407: GALLON TACK COAT, TRACKLESS TACK, SURFACE COURSE, AS PER PLAN

**ITEM 614: MAINTAINING TRAFFIC, AS PER PLAN**

THE MAKING OF THIS IMPROVEMENT REQUIRES THAT THE ROAD BE CLOSED TO THROUGH TRAFFIC. DETOURS SHALL BE AS SHOWN ON SHEET NO. 12.

**ELECTRONIC MESSAGE BOARDS**

THE CONTRACTOR SHALL PROVIDE TWO ELECTRONIC MESSAGE BOARDS FOR THE DURATION OF THE WORK ON RIDGEBURY BOULEVARD. THE ELECTRONIC MESSAGE BOARDS SHALL BE PLACED A MINIMUM OF 7-DAYS PRIOR TO ANY WORK TO BE PERFORMED AT STRATEGIC LOCATIONS TO INFORM THE TRAVELING PUBLIC OF THE UP COMING WORK AND THE ROAD CLOSURE. COST OF THESE ELECTRONIC MESSAGE BOARDS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614: MAINTAINING TRAFFIC.

LOCAL ACCESS FOR ABUTTING PROPERTIES AND ADJACENT STREETS SHALL BE MAINTAINED AT ALL TIMES IN A SAFE AND SATISFACTORY MANNER THROUGH THE USE OF PARTIAL WIDTH CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN ADEQUATE PEDESTRIAN WALKS AT ALL INTERSECTIONS, INCLUDING ASPHALT CONCRETE WALKS, WHERE DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL DIVERT TRAFFIC FROM NORMAL CHANNELS BY PLASTIC DRUMS, (FLASHING ARROW BOARDS COMPLYING WITH SS821.) AND TRAFFIC SIGNS AND WORK ZONE PAVEMENT MARKINGS AS APPROVED BY THE ENGINEER.

ALL CONSTRUCTION TRAFFIC CONTROL DEVICES USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR, EXCEPT AS NOTED BELOW.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS, SUCH AS TYPE III BARRICADES, LIGHTING, FLAGGERS, AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN ITEM 614, MAINTAINING TRAFFIC, SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION.

COST OF TEMPORARY RAMPING OF DRIVE APRONS AND ADJACENT ROADWAYS SHALL BE INCLUDED IN THIS ITEM.

EXISTING TRAFFIC CONTROL DEVICES (SIGNS AND/OR TRAFFIC SIGNALS), LOCATED WITHIN THE WORK AREA, WHICH ARE REQUIRED FOR INTERIM OR PERMANENT TRAFFIC CONTROL, SHALL BE RELOCATED TO POINTS APPROVED BY THE ENGINEER. APPROPRIATE TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED, IN COMPLIANCE WITH THE MANUAL, AT ALL TIMES WHILE TRAFFIC IS MAINTAINED. THE COST OF RELOCATION, IF REQUIRED, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614: MAINTAINING TRAFFIC.

THE LENGTH AND DURATION OF LANE CLOSURES AND/OR TRAFFIC RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. THE INTENT IS TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614: MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**CONSTRUCTION TRAFFIC**

ALL CONSTRUCTION TRAFFIC SHALL USE ACCEPTABLE TRUCK ROUTES TO ACCESS THE CONSTRUCTION AREA. USE OF LOCAL RESIDENTIAL STREETS IS STRICTLY PROHIBITED UNLESS ALLOWED IN WRITING BY THE LOCAL ENFORCEMENT AUTHORITY.

**ITEM 614 – DETOUR SIGNING, AS PER PLAN**

ADVANCE TRAFFIC SIGNING AND SUPPORTS, INCLUDING DETOUR SIGNING, CONSTRUCTION WORK ZONE APPROACH SIGNING, BARRICADES AND SIGNS ON BARRICADES SHOWN ON THE PLANS BEYOND THE WORK LIMITS SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR, AND ALL ASSOCIATED COST SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614: DETOUR SIGNING, AS PER PLAN.

FLUORESCENT ORANGE TYPE G SIGN SHEETING SHALL BE USED FOR ALL DETOUR AND CONSTRUCTION WARNING SIGNS.

**ITEM 614 – LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

THIS ITEM IS TO BE USED AT THE DISCRETION OF CONTRACTOR OR IF THE VILLAGE DEEMS THAT LEOS ARE REQUIRED FOR THE PUBLIC SAFETY. WHEN PRACTICAL, FLAGGERS SHOULD BE USED IN LEU OF LEOS.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

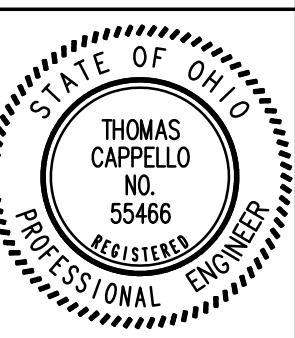
THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614 – LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE BID PROPOSAL

ITEM 614: LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 200 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614: LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE



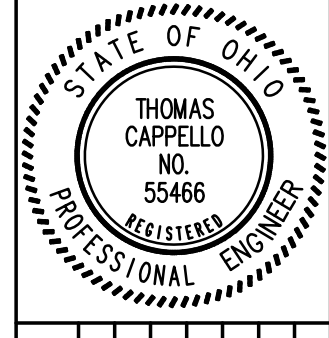
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STEPHEN HOVANCSEK & ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
TWO MERIT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
PH: (216) 731-6255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD. IMPROVEMENTS**  
**GENERAL NOTES**

REF. NUMBER	LOCATION		SIDE	ESTIMATED QUANTITIES																						
	STATION	TO STATION		202	202	202	204	254		304	407	422	441	441		452	605	608	608	608	609	611				
				PAYEMENT REMOVED, AS PER PLAN (FOR NEW COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN)	PAYEMENT REMOVED (APRONS)	CONCRETE WALK REMOVED	SUBGRADE COMPACTION	PAYEMENT PLANING, ASPHALT (3" THICK)		AGGREGATE BASE (APRONS)	TACK COAT 0.10 GAL/SY	SINGLE CHIP SEAL	1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22	1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22, AS PER PLAN		6" NON-REINFORCED PORTLAND CEMENT CONCRETE PAYEMENT, CLASS QC MS, AS PER PLAN	6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN	4" CONCRETE WALK, AS PER PLAN	CURB RAMP, TYPE A2, AS PER PLAN	CURB RAMP, TYPE C1, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	MONUMENT BOX, ADJUSTED TO GRADE, AS PER PLAN	CATCH BASIN OR INLET, ADJUSTED TO GRADE, AS PER PLAN	VALVE BOX, ADJUSTED TO GRADE, AS PER PLAN	
				SY	SY	SF	SY	SY		CY	GAL	SY	CY	CY		SY	FT	SF	EACH	EACH	FT	EACH	EACH	EACH	EACH	
C1	92+81	103+00	LT.	142													508					508				
C2	93+04	98+00	LT.	139													500					500				
CR1	98+00	103+00	LT.			147													147		1					
P1	93+18		LT.					885			78.1	781	32.5	32.5												
P2	93+04	98+00	LT.					827			72.5	725	30.2	30.2												
A1	98+00	103+00	LT.													20										
A2	93+85		LT.		20		20			3.3						18										
A3	95+29		LT.		18		18			3.0						28										
A4	96+08		LT.		28		28			4.7						30										
A5	96+89		LT.		30		30			5.0						28										
A6	97+61		LT.		28		28			4.7						35										
A7	98+24		LT.		28		28			4.7						8										
A8	99+64		LT.		35		35			5.8						8										
A9	100+18		LT.		8		8			1.3						8										
A10	101+29		LT.		8		8			1.3						50										
A11	101+85		LT.		50		50			8.3						48										
D1	102+80		LT.		48		48			7.6															1	
D2	94+50		LT.																						1	
D3	96+57		LT.																							
D4	97+01 & 97+06		RT/LT.																				2			
D5	97+72		RT.																				1			
D6	98+50		RT.																				1			
D7	100+46		LT.																					1		
D8	100+93 & 100+99		RT.																				2			
D8	101+99		LT.																						1	
	103+00	113+00																								
C1	103+00	108+00	LT.	139													500						500			
C2	108+00	113+00	LT.	139													500						500			
P1	103+00	108+00	LT.					824			72.3	723	30.1	30.1												
P2	108+00	113+00	LT.					834			73.3	733	30.5	30.5												
SW1	110+46	111+01	LT.			274																				
A1	104+03		LT.		21		21			3.5						21										
CR1	104+23.5		LT.			36																				
A2	105+88		LT.		14		14			2.3						274										
A3	106+00		LT.		30		30			5.0																
A4	107+42		LT.		30		30			5.0																
A5	108+48		LT.		29		29			4.8																
A6	108+80		LT.		38		38			6.3																
A7	110+17		LT.		30		30			5.0																
A8	111+09		LT.		33		33			5.5																
A9	111+76		LT.		33		33			5.5																
A10	112+12		LT.		30		30			5.0																

ADDITIONAL ROWS ON PAGE 9



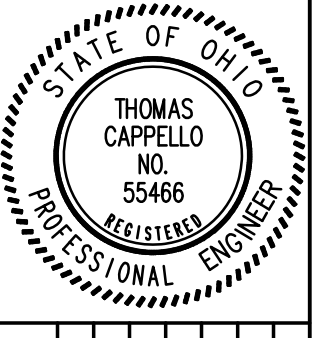
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STEPHEN HOVANCSEK & ASSOCIATES, INC.  
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MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD IMPROVEMENTS**  
**ROADWAY SUB-SUMMARY**



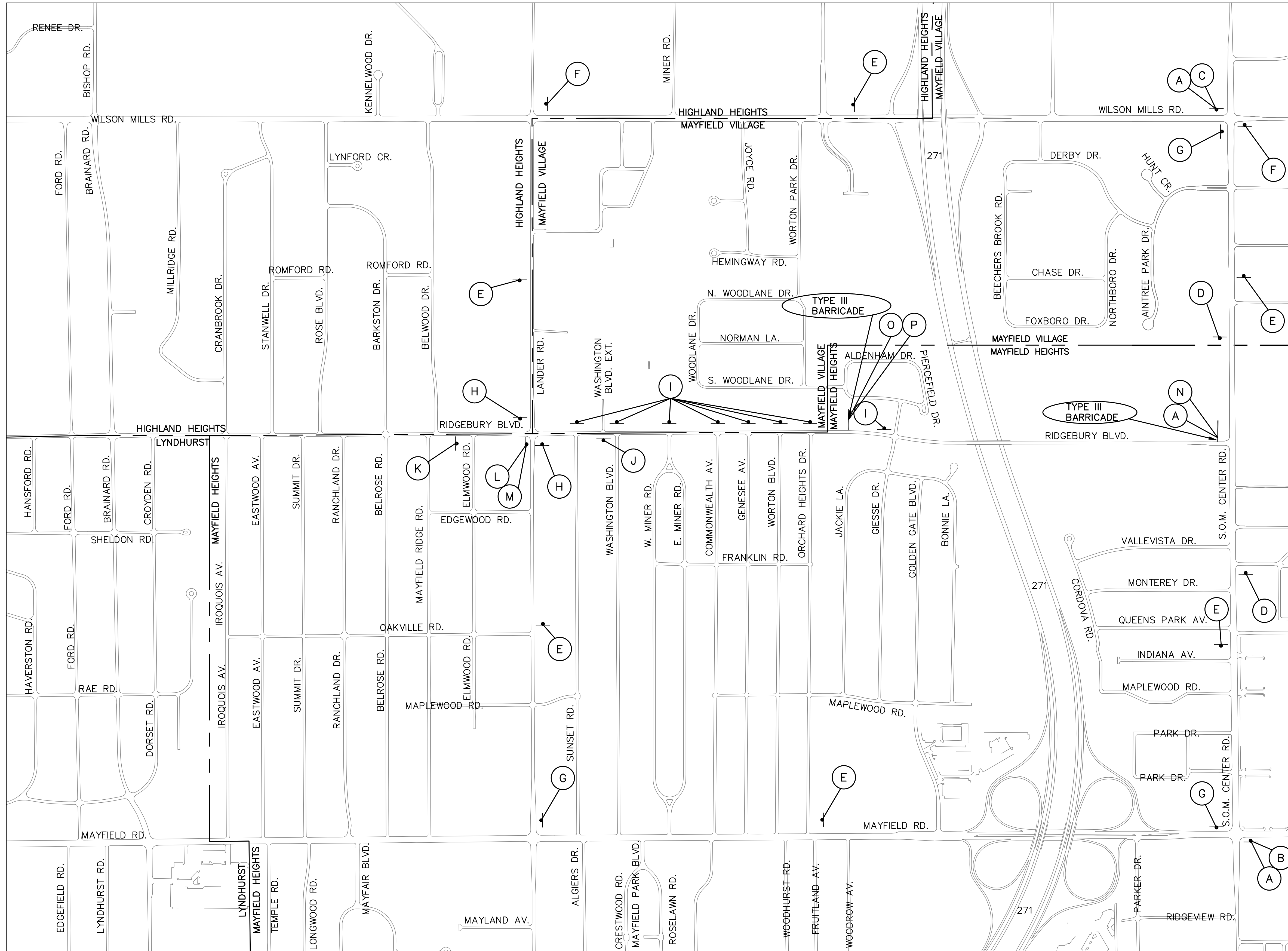
REF. NUMBER	LOCATION		SIDE	ESTIMATED QUANTITIES																							
	STATION	TO STATION																									
				202	202	202	204	254		304	407	422	441	441		462	605	608	608	608	609	611					
			PAVEMENT REMOVED, AS PER PLAN (FOR NEW COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN)	PAVEMENT REMOVED (APRONS)	CONCRETE WALK REMOVED	SUBGRADE COMPACTION	PAVEMENT PLANING, ASPHALT (3" THICK)		AGGREGATE BASE (APRONS)	TACK COAT 0.10 GAL/SY	SINGLE CHIP SEAL	1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1(448), PG64-22	1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2(448), PG64-22, AS PER PLAN		6" NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CLASS QC MS, AS PER PLAN	6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN	4" CONCRETE WALK, AS PER PLAN	CURB RAMP, TYPE A2, AS PER PLAN	CURB RAMP, TYPE C1, AS PER PLAN	COMBINATION CURB AND GUTTER, TYPE 3, AS PER PLAN	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	MONUMENT BOX, ADJUSTED TO GRADE, AS PER PLAN	CATCH BASIN OR INLET, ADJUSTED TO GRADE, AS PER PLAN	VALVE BOX, ADJUSTED TO GRADE, AS PER PLAN			
			SY	SY	SF	SY	SY		CY	GAL	SY	CY	CY		SY	FT	SF	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH		
D1	103+42 & 103+47.5																										
D2	103+74.5																										
M1	104+00.7																										
D3	105+48																										
D4	105+93 & 105+97																										
M2	106+50.5																										
D5	106+98.5																										
D6	108+25																										
D7	108+56.5																										
D8	109+99																										
D9	110+52.5																										
D10	110+54.5 & 110+59																										
D11	111+29																										
	113+00	121+00																									
C1	113+00	118+00		139													500					500					
C2	118+00	121+00		84												302						302					
P1	113+00	118+00						837			73.5	735	30.6	30.6													
P2	118+00	121+00						517			46.5	455	19.0	19.0													
A1	113+40				58		58		9.7						58												
A2	113+80				42		42		7.0						42												
A3	114+92.5				9		9		1.5						9												
A4	116+52				28		28		4.7						28												
A5	118+19				21		21		3.5						21												
A6	118+74				19		19		3.2						19												
A7	119+29				23		23		3.8						23												
A8	120+88				24		24		4.0						24												
D1	113+49 & 113+53																					2					
V1	113+49																										1
D2	113+53.5																										1
M1	115+03																						1				
D3	116+43 & 116+52.5																					2					1
D4	116+96.5																										1
D5	119+03																										1
D6	119+46 & 119+56.5																					2					1
M2	120+06.5																										1
D7	120+39																					1					
D8	120+59.5																					1					
D9	120+75																										1
V2	120+81.5																										1
<b>TOTALS</b>				<b>782</b>	<b>811</b>	<b>457</b>	<b>811</b>	<b>4724</b>		<b>135</b>	<b>415</b>	<b>4152</b>	<b>173</b>	<b>173</b>		<b>811</b>	<b>2810</b>	<b>457</b>	<b>1</b>	<b>1</b>	<b>2810</b>	<b>21</b>	<b>4</b>	<b>17</b>		<b>2</b>	



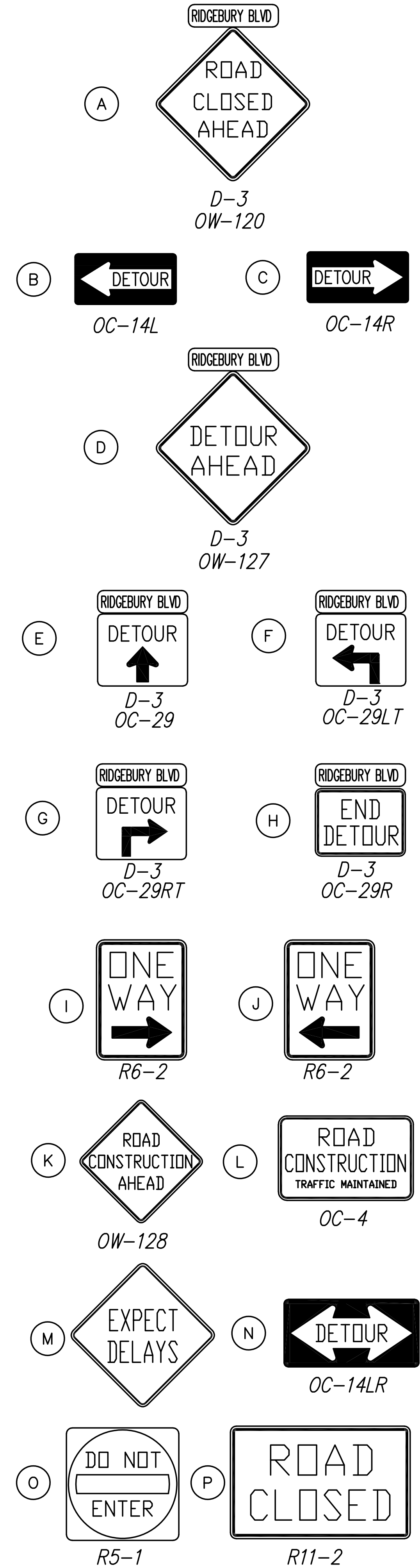
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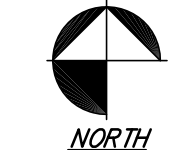
MAXFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD IMPROVEMENTS**  
**ROADWAY SUB-SUMMARY**

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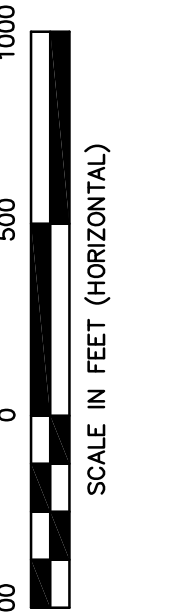


CONTRACTOR SHALL PROVIDE TYPE III BARRICADES WHERE REQUIRED OR AS DIRECTED BY THE ENGINEER.

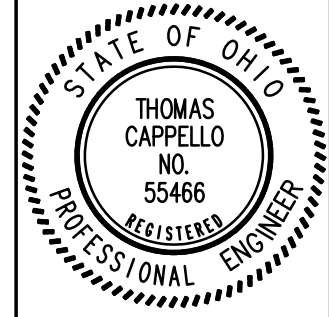




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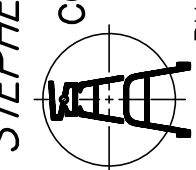
SCALE IN FEET (HORIZONTAL)



STATE OF OHIO  
THOMAS CAPPELLO  
No. 55466  
PROFESSIONAL ENGINEER

REVISIONS		DATE	BY
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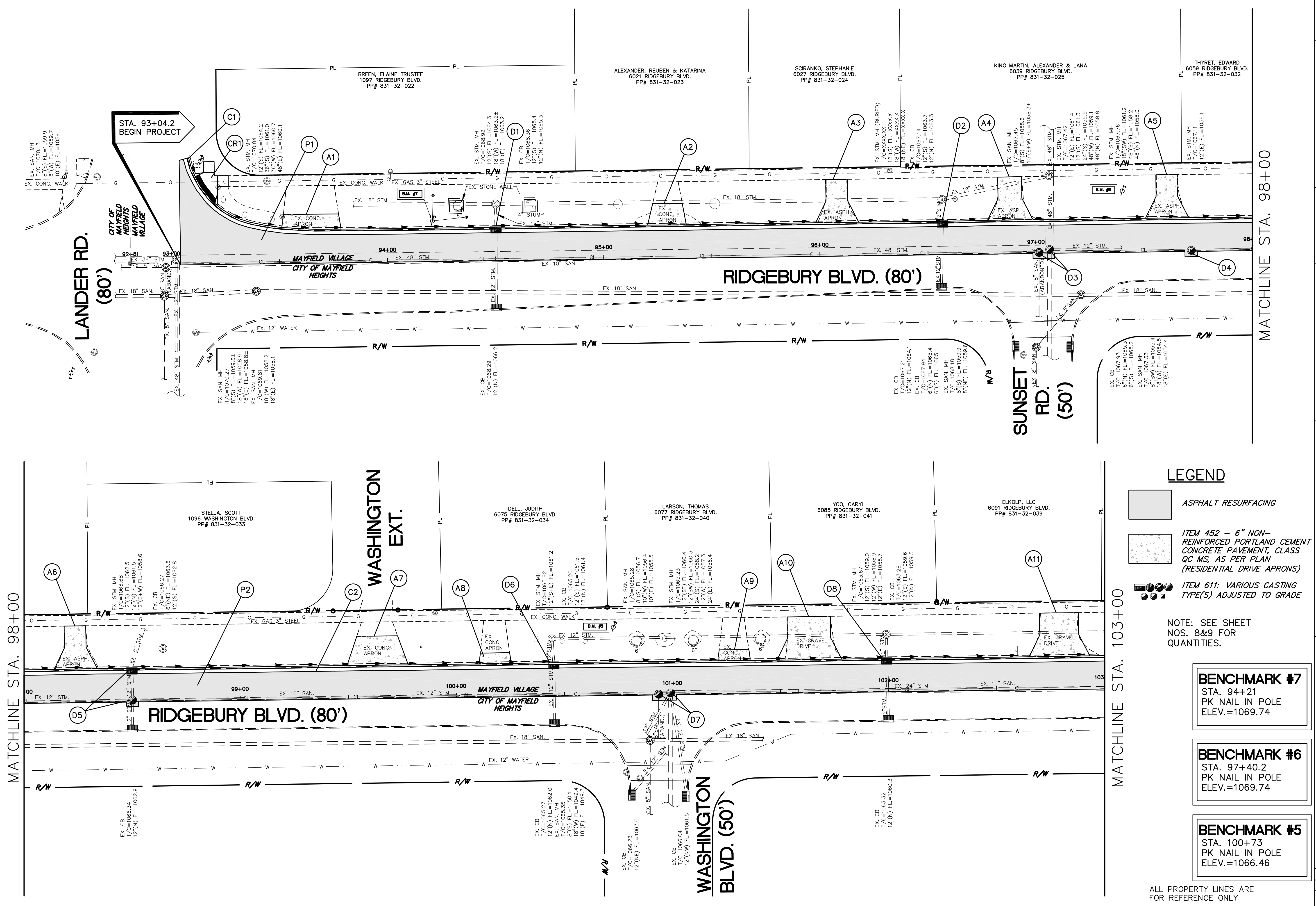
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**RIDGEBURY BLVD IMPROVEMENTS  
DETOUR PLAN**

APRIL 2024  
JOB No. 22-124  
10 OF 16

G:\2022\22-124 MV RIDGEBURY BLVD. COUNTY ROAD 5050 PROGRAM FUNDING APPLICATION\DWG\_S&I\22-124\_PG-11\_RIDGEBURY 9281-10300.DWG 4/16/2024 12:07:06 PM EDT



**LEGEND**

- ASPHALT RESURFACING
- ITEM 452 - 6" NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CLASS QC MS, AS PER PLAN (RESIDENTIAL DRIVE APRONS)
- ITEM 611: VARIOUS CASTING TYPE(S) ADJUSTED TO GRADE

NOTE: SEE SHEET NOS. 8&9 FOR QUANTITIES.

**BENCHMARK #7**  
 STA. 94+21  
 PK NAIL IN POLE  
 ELEV.=1069.74

**BENCHMARK #6**  
 STA. 97+40.2  
 PK NAIL IN POLE  
 ELEV.=1069.74

**BENCHMARK #5**  
 STA. 100+73  
 PK NAIL IN POLE  
 ELEV.=1066.46

NORTH

SCALE IN FEET (HORIZONTAL)

STATE OF OHIO  
 THOMAS CAPPELLO  
 No. 55466  
 PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION
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REVISIONS

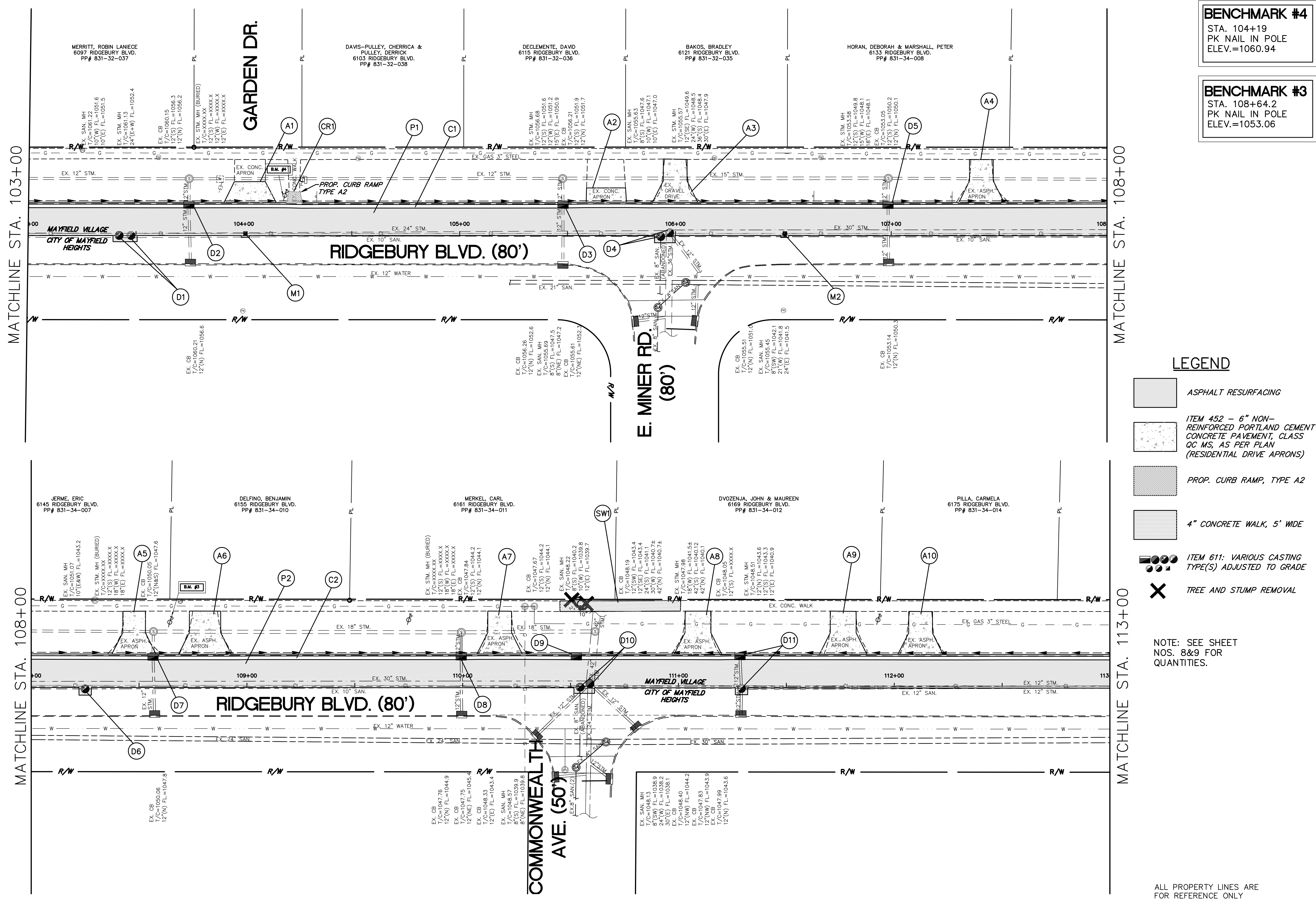
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MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD IMPROVEMENTS**  
 STA. 92+81 TO 103+00

APRIL 2024  
 JOB No. 22-124  
 11 OF 16

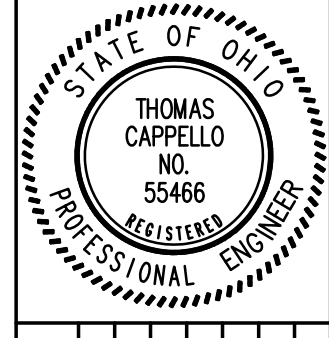
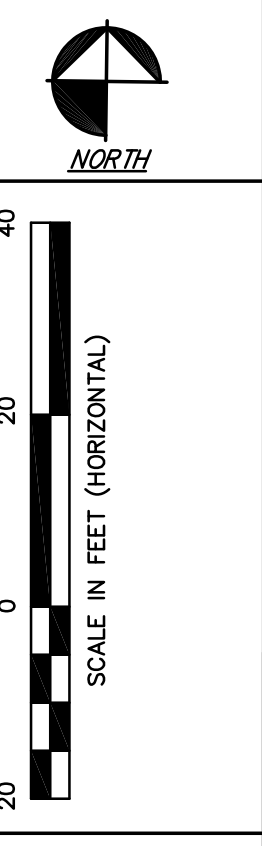
ALL PROPERTY LINES ARE FOR REFERENCE ONLY

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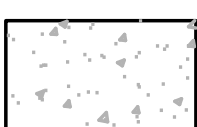

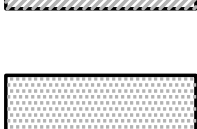


**BENCHMARK #4**  
 STA. 104+19  
 PK NAIL IN POLE  
 ELEV.=1060.94

**BENCHMARK #3**  
 STA. 108+64.2  
 PK NAIL IN POLE  
 ELEV.=1053.06



NO.	DATE	DESCRIPTION
1		
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**LEGEND**

-  ASPHALT RESURFACING
-  ITEM 452 - 6" NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CLASS QC MS, AS PER PLAN (RESIDENTIAL DRIVE APRONS)
-  PROP. CURB RAMP, TYPE A2
-  4" CONCRETE WALK, 5' WIDE
-  ITEM 611: VARIOUS CASTING TYPE(S) ADJUSTED TO GRADE
-  TREE AND STUMP REMOVAL

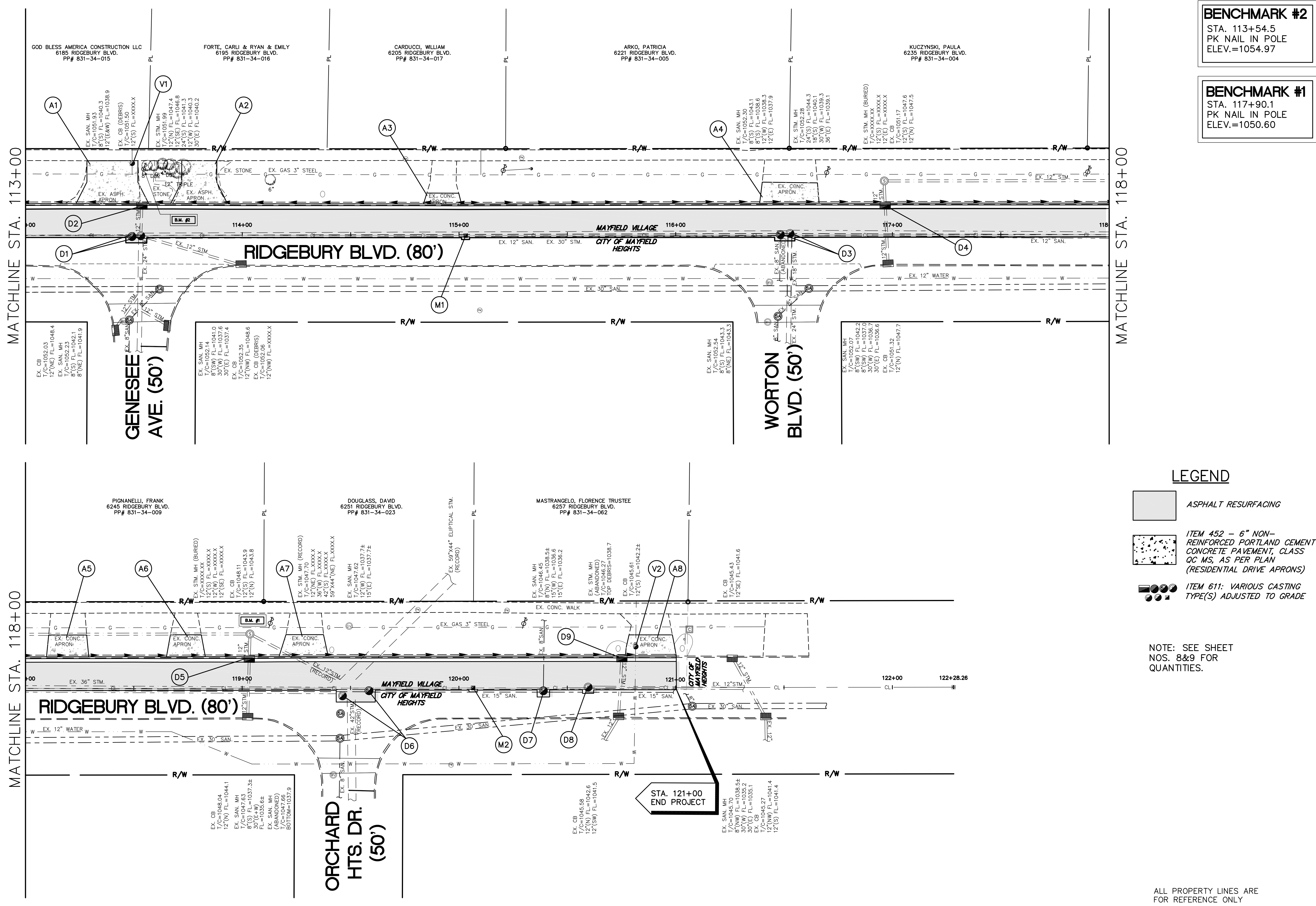
NOTE: SEE SHEET NOS. 8&9 FOR QUANTITIES.

STEPHEN HOVANCSEK & ASSOCIATES, INC.  
 CONSULTING ENGINEERS AND PLANNERS  
 TWO MERRIT DRIVE  
 RICHMOND HEIGHTS, OHIO 44143  
 PH: (216) 731-6255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD IMPROVEMENTS**  
 STA. 103+00 TO 113+00

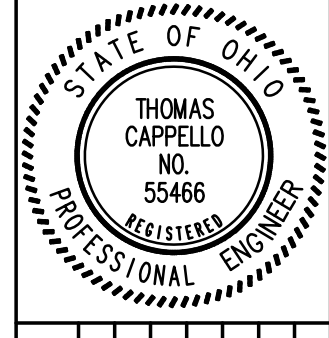
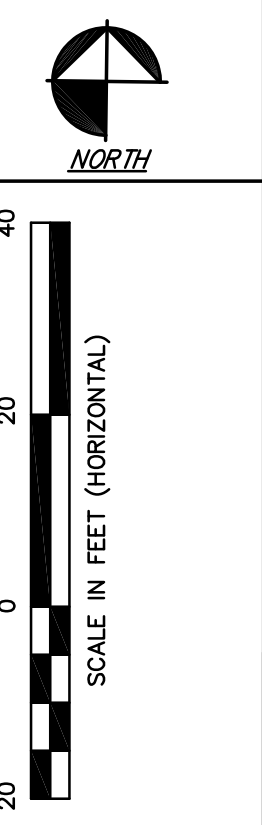
ALL PROPERTY LINES ARE FOR REFERENCE ONLY

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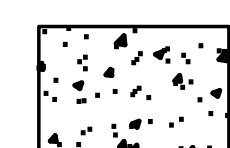
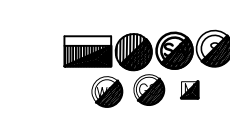
**BENCHMARK #2**  
STA. 113+54.5  
PK NAIL IN POLE  
ELEV.=1054.97

**BENCHMARK #1**  
STA. 117+90.1  
PK NAIL IN POLE  
ELEV.=1050.60



NO.	DATE	DESCRIPTION
6		
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1		

**LEGEND**

-  ASPHALT RESURFACING
-  ITEM 452 - 6" NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CLASS QC MS, AS PER PLAN (RESIDENTIAL DRIVE APRONS)
-  ITEM 611: VARIOUS CASTING TYPE(S) ADJUSTED TO GRADE

NOTE: SEE SHEET NOS. 8&9 FOR QUANTITIES.

STA. 121+00  
END PROJECT

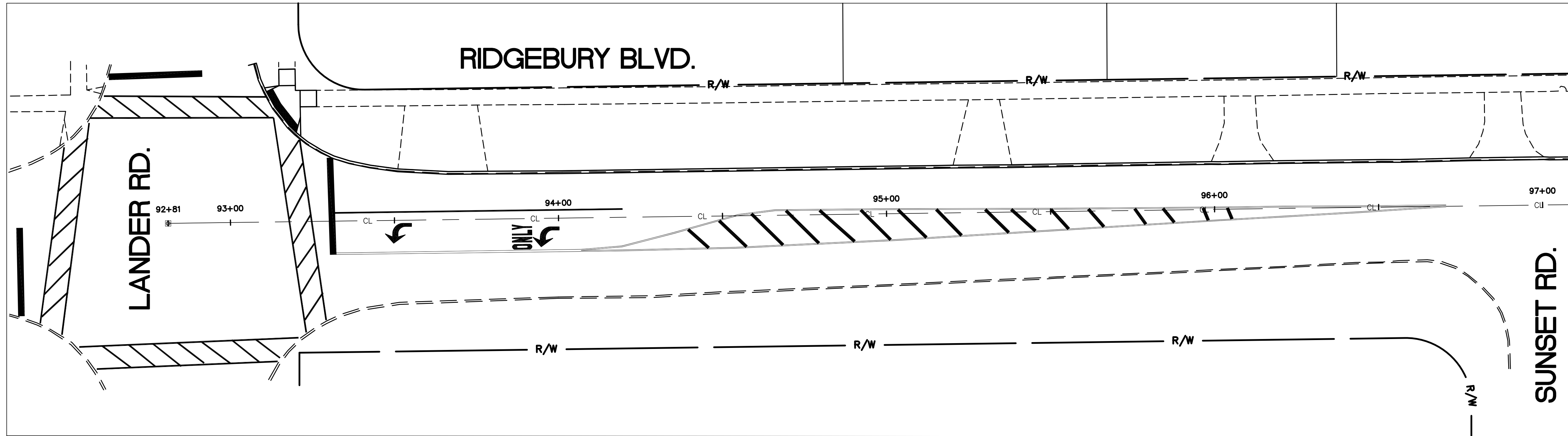
STEPHEN HOVANCSEK & ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
TWO MERT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
PH: (216) 731-6255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD IMPROVEMENTS**  
STA. 113+00 TO 121+00

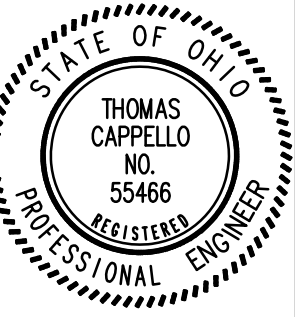
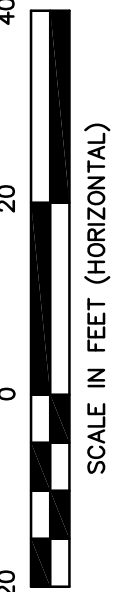
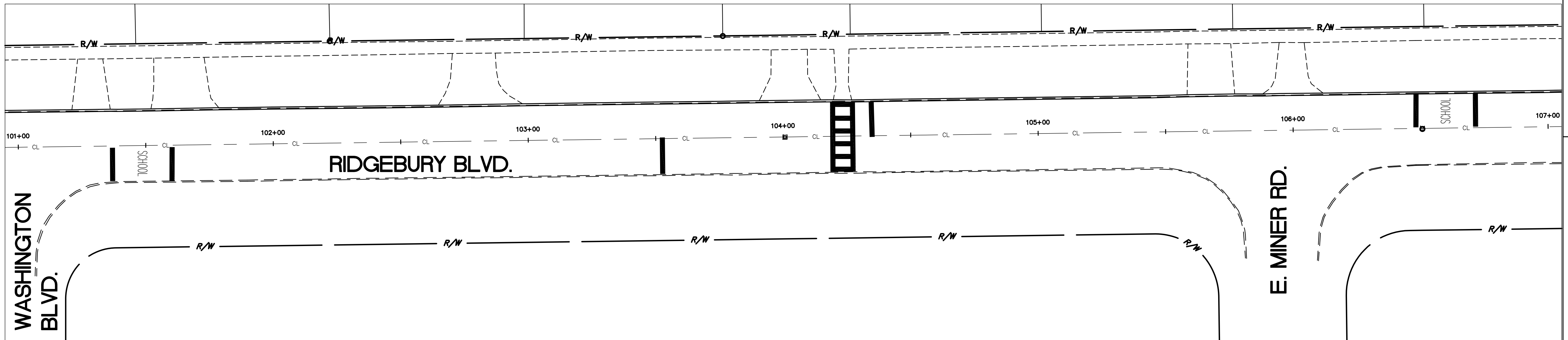
ALL PROPERTY LINES ARE FOR REFERENCE ONLY

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PAVEMENT MARKINGS AREA 1  
LANDER RD. INTERSECTION TO STA. 96+75



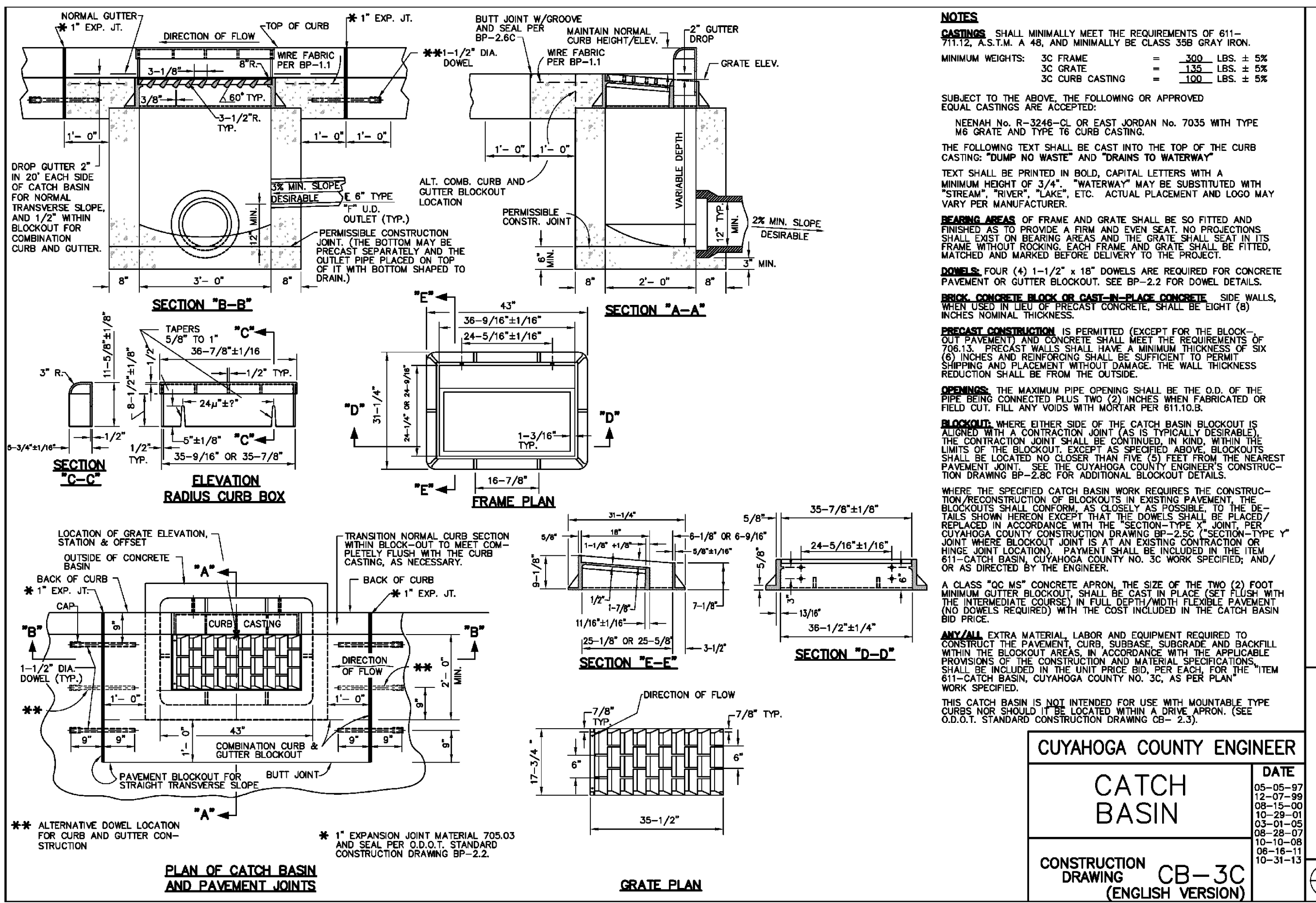
PAVEMENT MARKINGS AREA 2  
STA. 101+12 TO STA. 106+49



NO.	DATE	DESCRIPTION
1		
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STEPHEN HOVANCSEK & ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
TWO MERIT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
PH: (216) 731-6255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO  
**RIDGEBURY BLVD IMPROVEMENTS  
PAVEMENT MARKINGS**

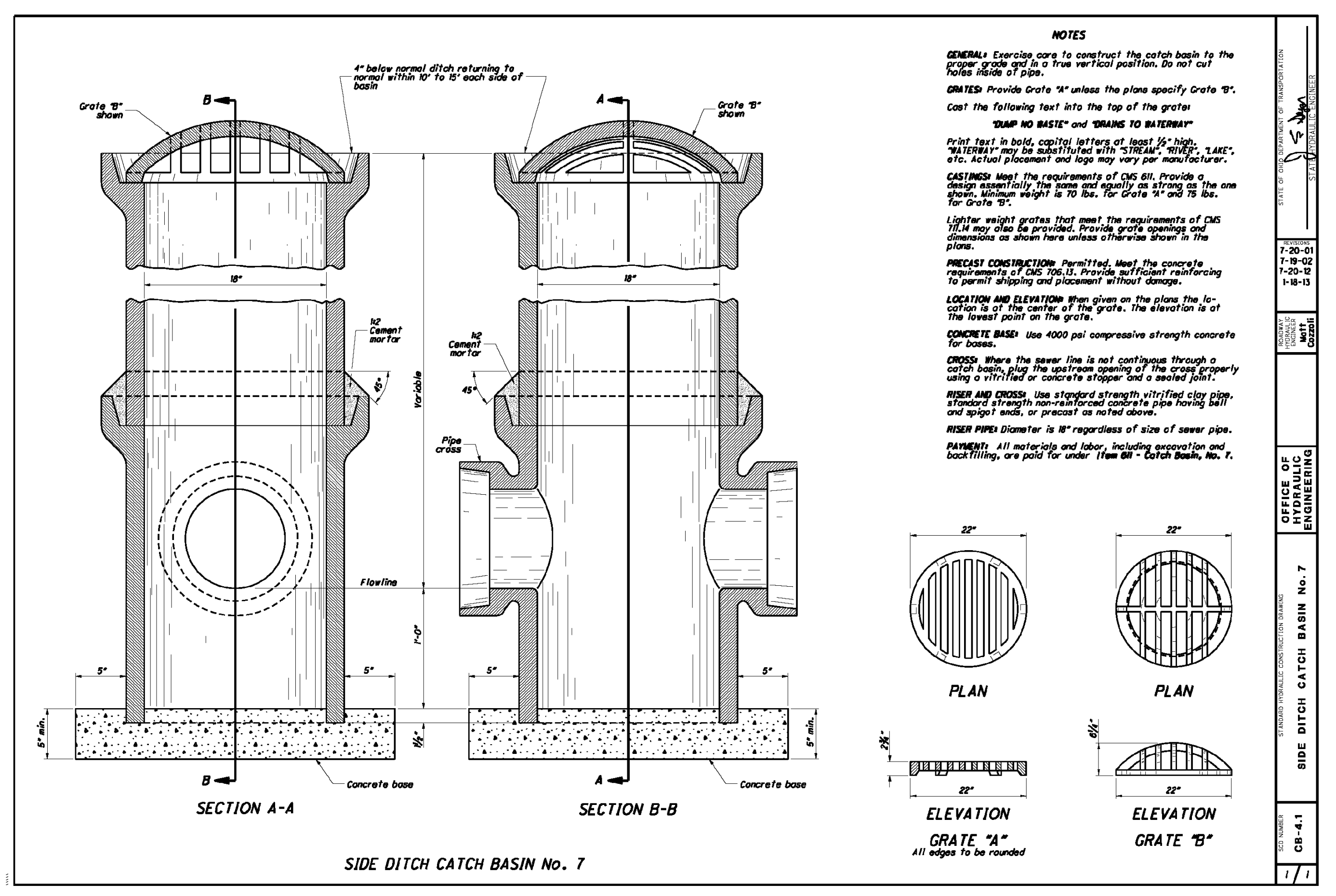


CUYAHOGA COUNTY ENGINEER

**CATCH BASIN**

CONSTRUCTION DRAWING **CB-3C**  
(ENGLISH VERSION)

DATE	DESCRIPTION
05-05-97	
12-07-99	
05-15-00	
10-29-01	
08-01-06	
08-28-07	
08-16-11	
10-31-13	



STATE OF OHIO

THOMAS CAPPELLO  
No. 55466  
REGISTERED PROFESSIONAL ENGINEER

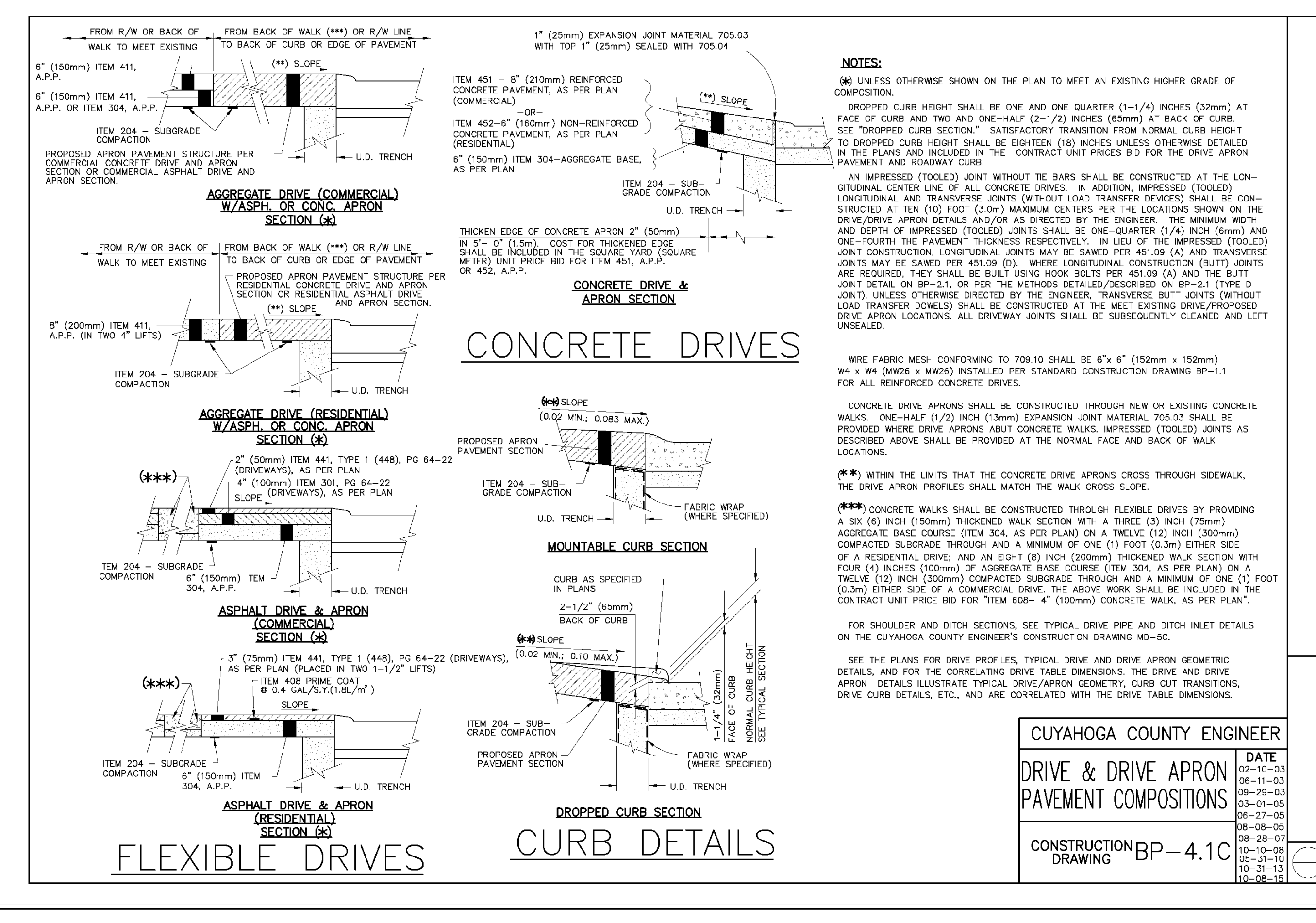
OFFICE OF ENGINEERING

CONTRACT NO. 2022-01

PROJECT NO. 2022-01

DATE 1-18-23

NO. 1

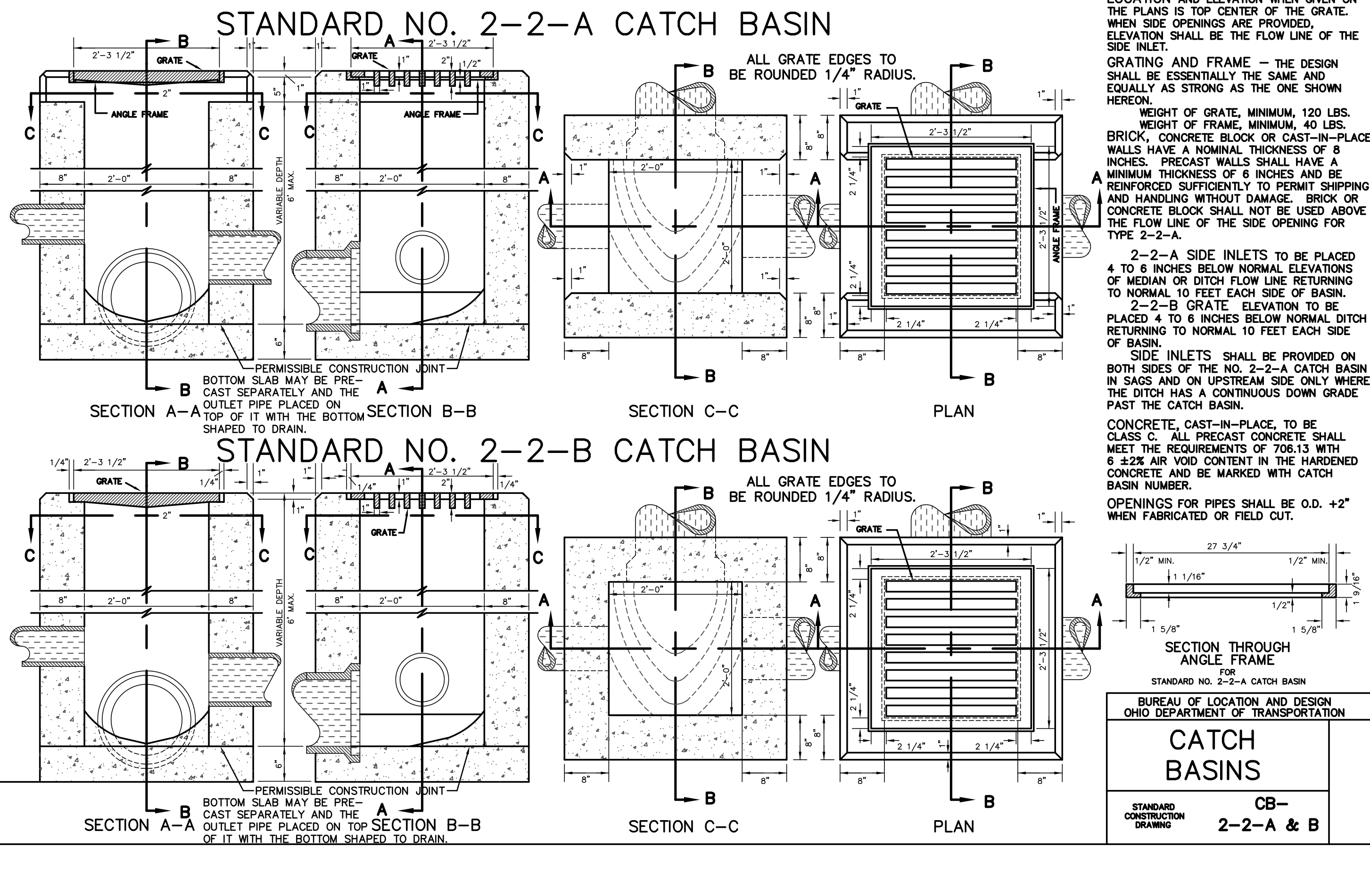


CUYAHOGA COUNTY ENGINEER

**DRIVE & DRIVE APRON PAVEMENT COMPOSITIONS**

CONSTRUCTION DRAWING **BP-4.1C**

DATE	DESCRIPTION
02-10-03	
08-11-03	
09-29-03	
03-01-05	
08-27-05	
08-08-05	
08-28-07	
10-10-08	
10-31-13	
10-08-13	



BUREAU OF LOCATION AND DESIGN  
OHIO DEPARTMENT OF TRANSPORTATION

**CATCH BASINS**

CONSTRUCTION DRAWING **CB-2-2-A & B**

G:\2022\22-124.MY RIDGEBURY BLVD. COUNTY ROAD 5050 PROGRAM FUNDING APPLICATION\Draw Set\22-124-PC-15\_Details.dwg 4/16/2024 1:03:02 PM EDT

REVISIONS

NO.	DATE	DESCRIPTION
6		
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STEPHEN HOVANCSEK & ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
TWO MERIT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
PH: (216) 731-6255 FAX: (216) 731-4483

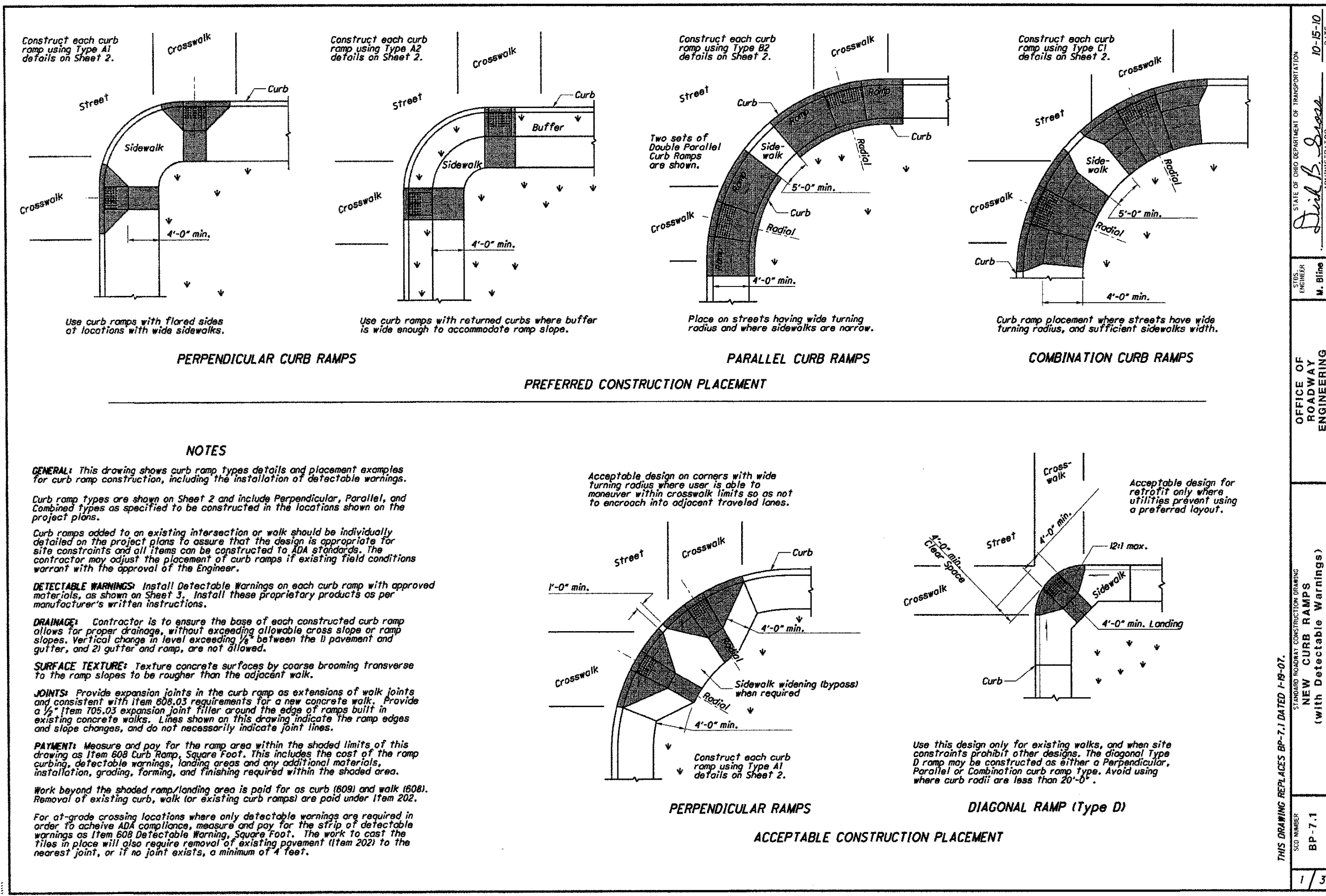
MAXFIELD VILLAGE, OHIO

**RIDGEBURY BLVD. IMPROVEMENTS**  
**MISCELLANEOUS DETAILS**

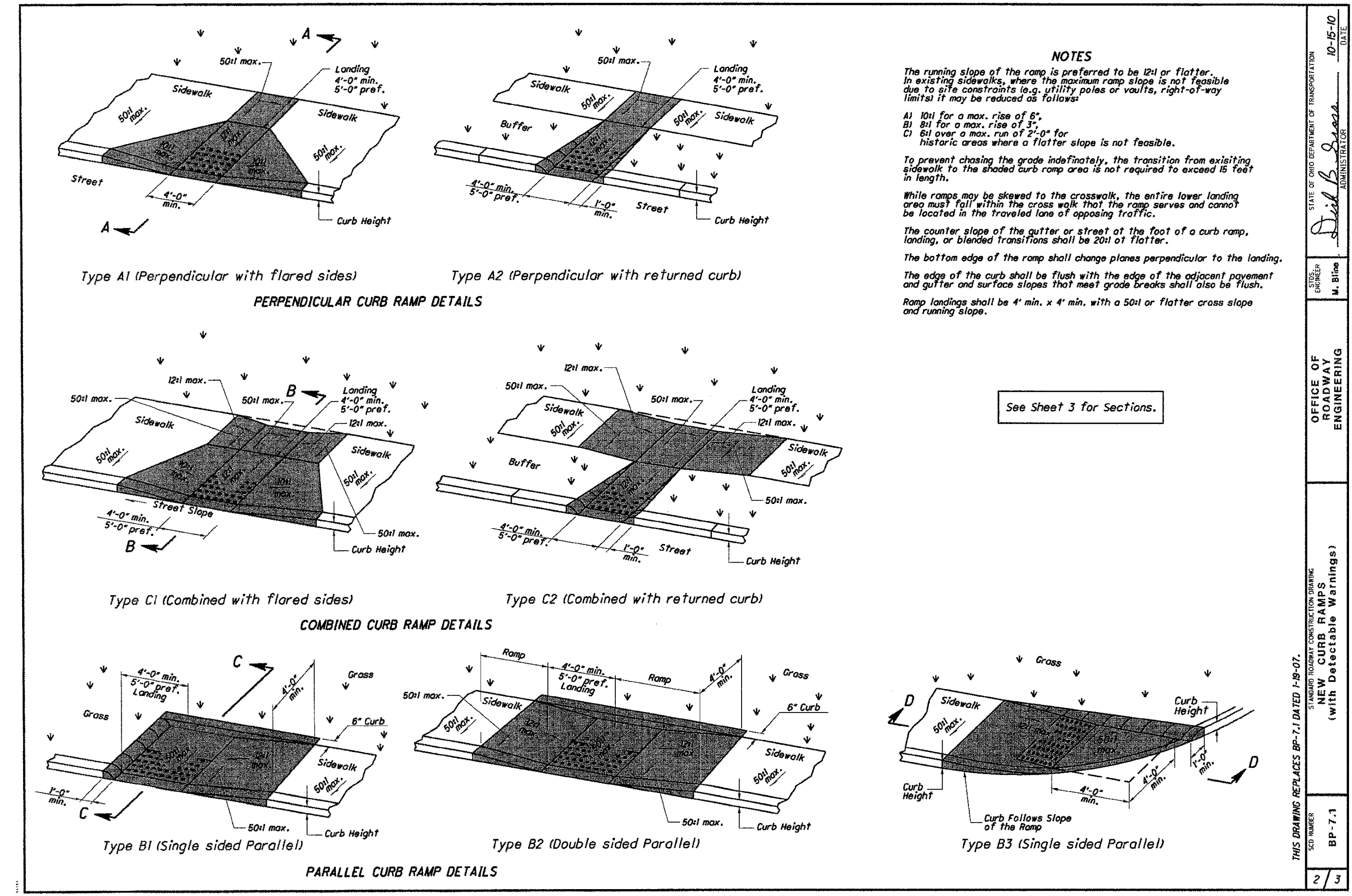
APRIL 2024

JOB No. 22-124

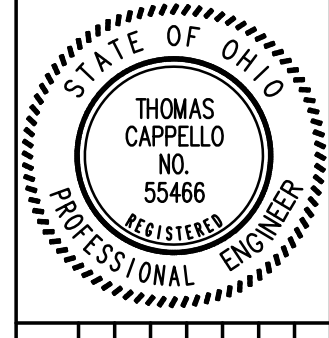
15 OF 16



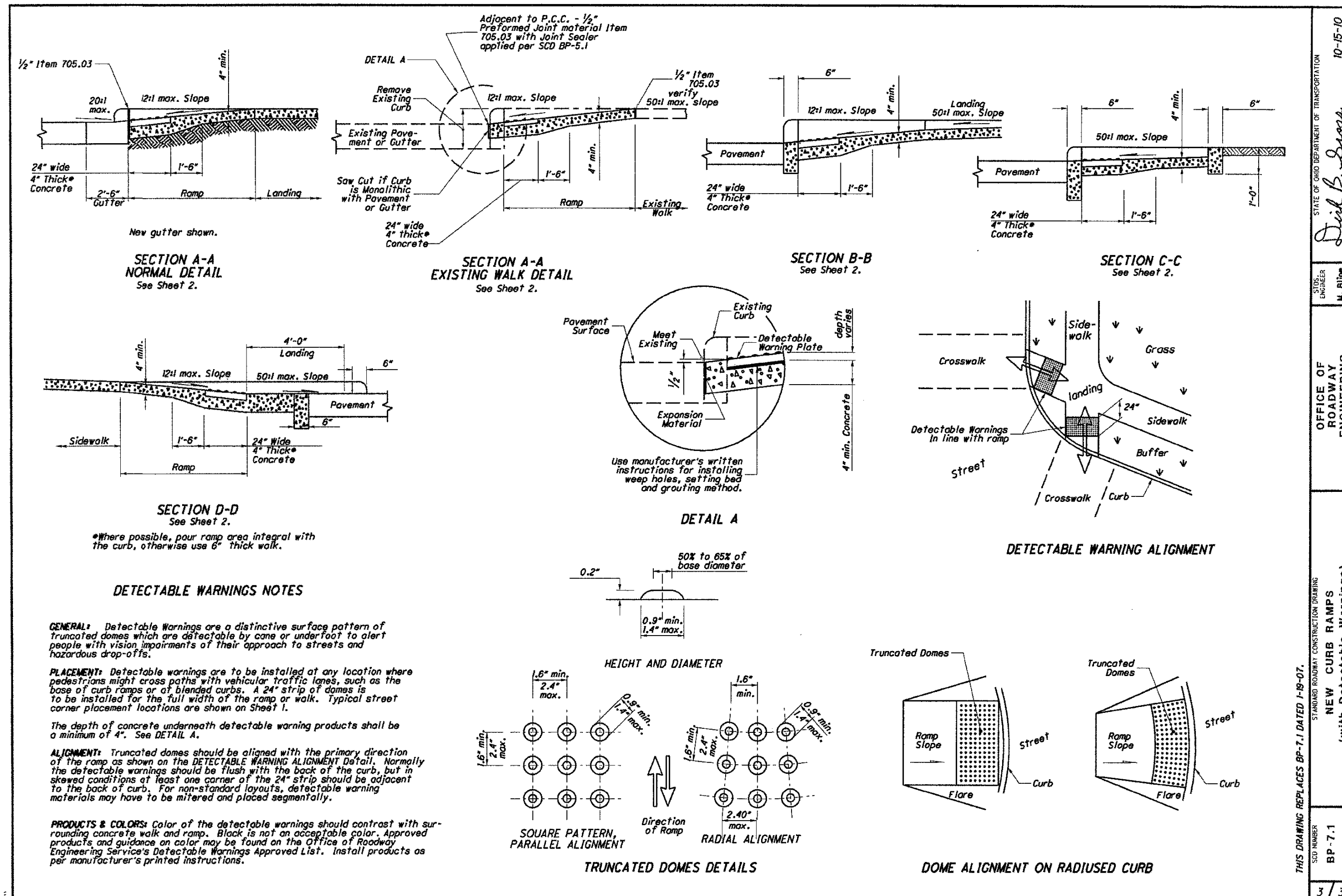
STATE OF OHIO  
OFFICE OF ROADWAY ENGINEERING  
DESIGNER: *Dieth O'Connell*  
DATE: 10/05/20  
PROJECT: NEW CURB RAMP (with Detectable Warnings)  
SHEET: 1/3



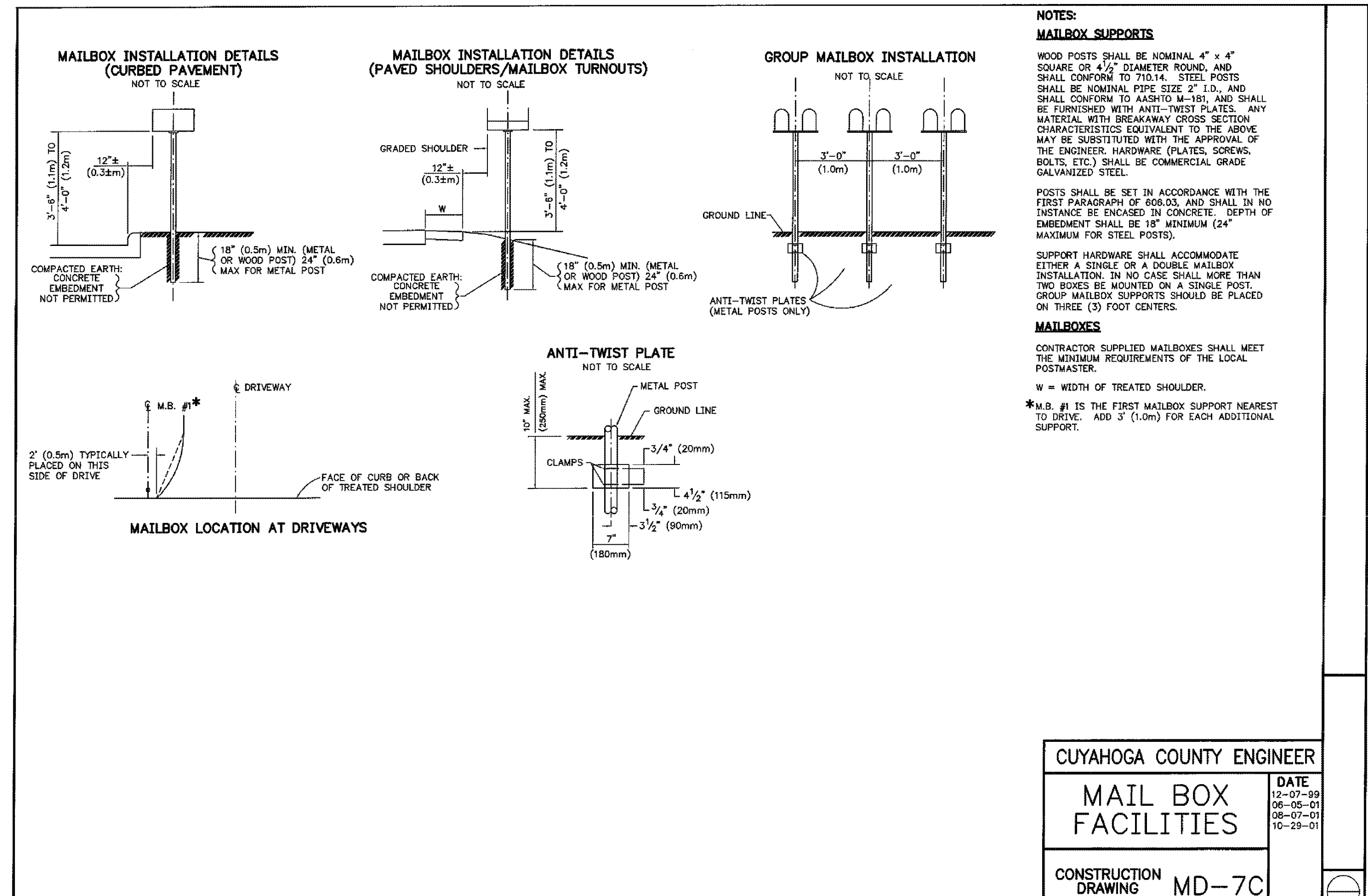
STATE OF OHIO  
OFFICE OF ROADWAY ENGINEERING  
DESIGNER: *Dieth O'Connell*  
DATE: 10/05/20  
PROJECT: NEW CURB RAMP (with Detectable Warnings)  
SHEET: 2/3



NO.	DATE	DESCRIPTION
1		
2		
3		



STATE OF OHIO  
OFFICE OF ROADWAY ENGINEERING  
DESIGNER: *Dieth O'Connell*  
DATE: 10/05/20  
PROJECT: NEW CURB RAMP (with Detectable Warnings)  
SHEET: 3/3



STATE OF OHIO  
OFFICE OF ROADWAY ENGINEERING  
DESIGNER: *Dieth O'Connell*  
DATE: 10/05/20  
PROJECT: NEW CURB RAMP (with Detectable Warnings)  
SHEET: 3/3

STEPHEN HOVANCSEK & ASSOCIATES, INC.  
CONSULTING ENGINEERS AND PLANNERS  
TWO MERTT DRIVE  
RICHMOND HEIGHTS, OHIO 44143  
PH: (216) 731-6255 FAX: (216) 731-4483

MAXFIELD VILLAGE, OHIO  
RIDGEBURY BLVD. IMPROVEMENTS  
MISCELLANEOUS DETAILS

CUYAHOGA COUNTY ENGINEER

MAIL BOX FACILITIES

CONSTRUCTION DRAWING MD-7C

DATE: 12-07-99, 06-05-01, 08-07-01, 10-29-01