

CITY OF CHEVIOT
HAMILTON COUNTY, OHIO

HARDING AVENUE AND CAMELLIA COURT
IMPROVEMENTS

32186

CITY OF CHEVIOT OFFICIALS

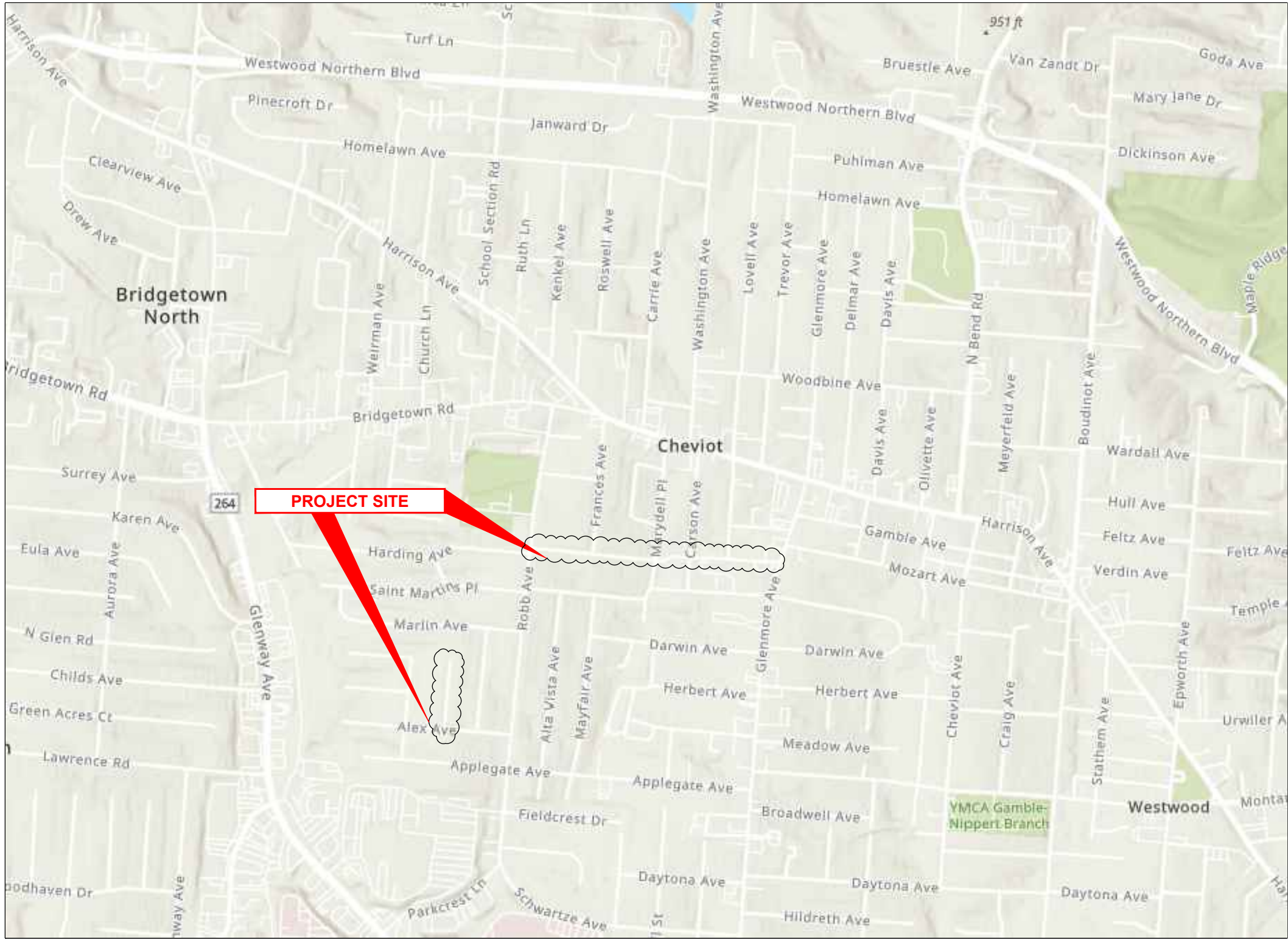
MAYOR
SAMUEL D. KELLER

SAFETY SERVICES DIRECTOR
STEVE BRAUN

CITY COUNCIL MEMBERS
KERRY SMYTH
JENNY M. EILERMANN
TROY D. BORGMANN
JOHN C. HARDING
STEFANIE HAWK
LINDSAY KEEBLE
AMY RICHTER
BRIAN SMYTH
DAVID W. VOSS

LAW DIRECTOR
KIMBERLEE ERDMAN-ROHR

PUBLIC WORKS SUPERINTENDANT
BRENT CRAIG



Sheet List Table		
PAGE NO.	DWG NAME	Sheet Title
1	GEN1	TITLE
2	GEN2	GENERAL NOTES & LEGEND
3	DET1	DETAILS
4	C01	HARDING AVE STA 1+50 - 10+50
5	C02	HARDING AVE STA 10+50 - 19+50
6	C03	HARDING AVE STA 19+50 - 24+00
7	C04	CAMELLIA COURT STA 31+00 - STA 37+50

ODOT SCD REFERENCES		
BP-7.1	NEW CURB RAMPS	1/17/2025
CB-3	CATCH BASIN NO. 3	7/16/2021
TC-71.10	CATCH BASIN NO. 3A	4/21/2023


Notify online using Remote Ticket Entry
To call dial 8-1-1 or 800-362-2764



O.D.O.T SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO AND CITY OF CHEVIOT ENGINEERING DEPARTMENT REQUIREMENTS SHALL GOVERN THIS IMPROVEMENT.

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON HAMILTON COUNTY G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY VERDANTAS, LLC.



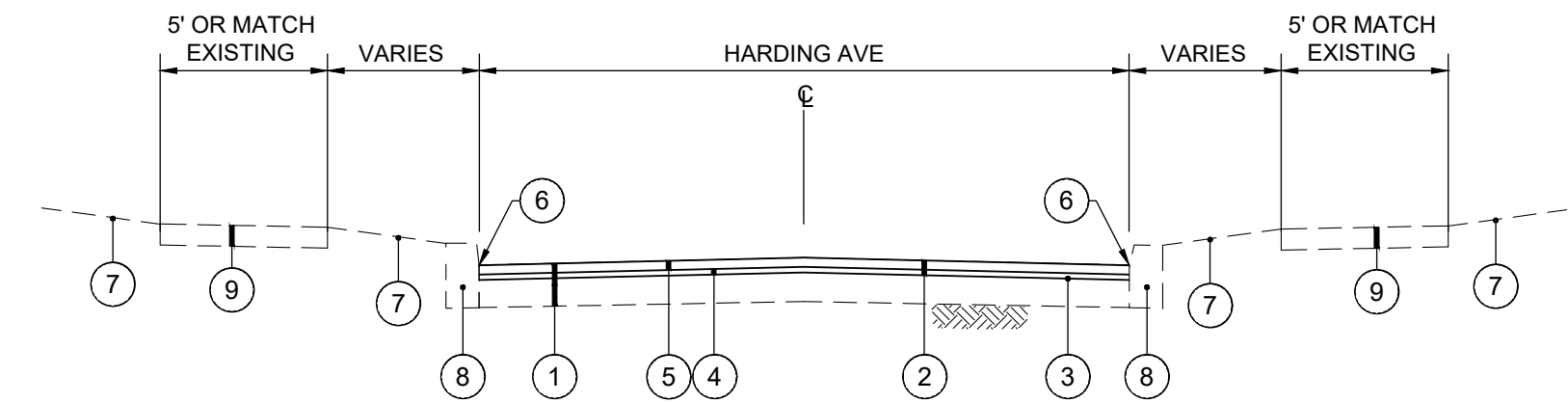
DATE	REVISION	NO	BID	ISSUED FOR:
			6/09/25	
			AS SHOWN	
			AJAC	
			AJAC	
			SRIG	

HARDING AVE. IMPROVEMENTS
CITY OF CHEVIOT
- HAMILTON COUNTY, OH -

TITLE

PROJECT NO. 32186	
DISCIPLINE CIVIL	
SHEET NAME GEN1	
SHEET 1	OF 8

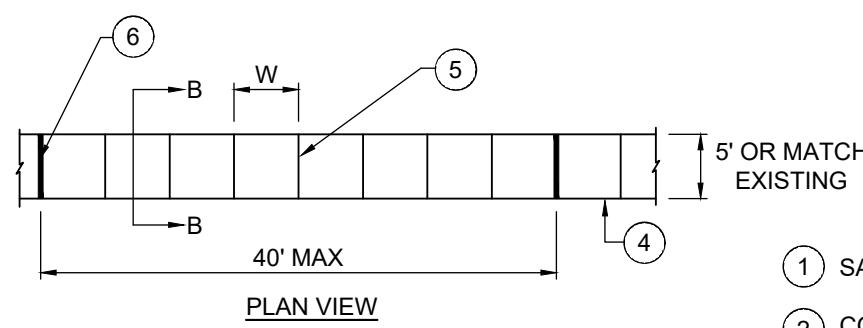
SHAWN RIGGS



- 1 EXISTING ASPHALT PAVEMENT
- 2 ASPHALT MILLING (3" TYP.)
- 3 TACK COAT @ 0.1 GAL/SY
- 4 1-1/2" ASPHALT INTERMEDIATE COURSE, TYPE 1, PG 64-22
- 5 1-1/2" ASPHALT COURSE SURFACE, TYPE 1, PG64-22 W/ ARAMID FIBER REINFORCEMENT (FORTA-FI OR ACE FIBER)
- 6 APPLY HOT ASPHALT SEALER WHERE ASPHALT MEETS CONCRETE CURB (INCIDENTAL TO ITEM)
- 7 DO NOT DISTURB YARD AREA
- 8 *CURB REPLACEMENT
- 9 *WALK REPLACEMENT, SEE DETAIL

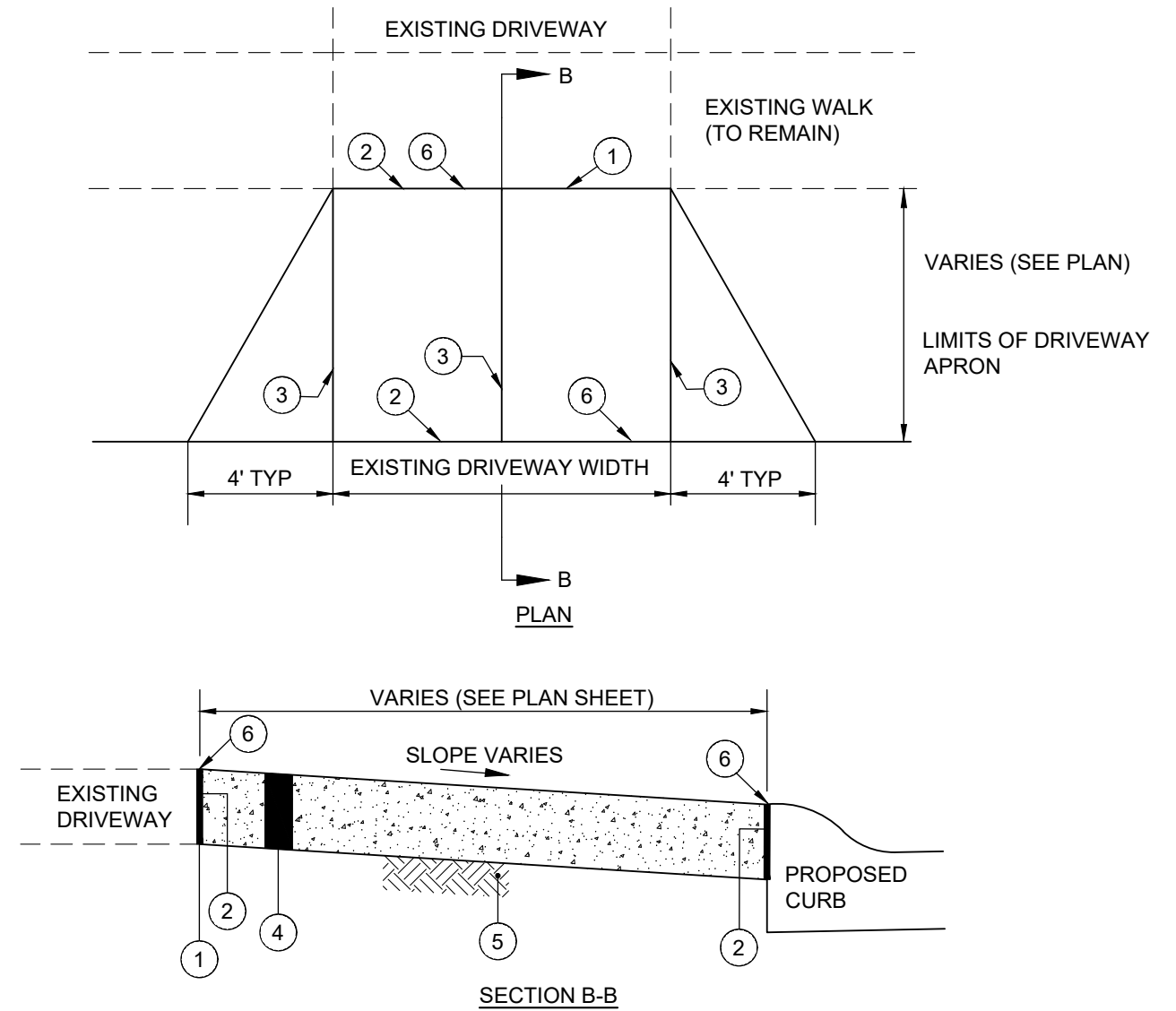
* NOTE: THIS IS A CONTINGENCY ITEM TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER. LIMITS TO BE MARKED IN THE FIELD BY THE ENGINEER.

HARDING AVE - TYPICAL PAVEMENT RESURFACING SECTION
N.T.S



- 1 SAWCUT AND REMOVE EXISTING SIDEWALK
- 2 COMPACTED SUBGRADE (INCIDENTAL TO CONCRETE SIDEWALK)
- 3 4" CONCRETE SIDEWALK, 6" AT CURB RAMP AND DRIVEWAY APRONS
- 4 TOOLED EDGE
- 5 TOOLED CONTRACTION JOINT
- 6 1/2" PREMOLDED EXPANSION JOINT

CONCRETE SIDEWALK REPLACEMENT DETAIL
N.T.S



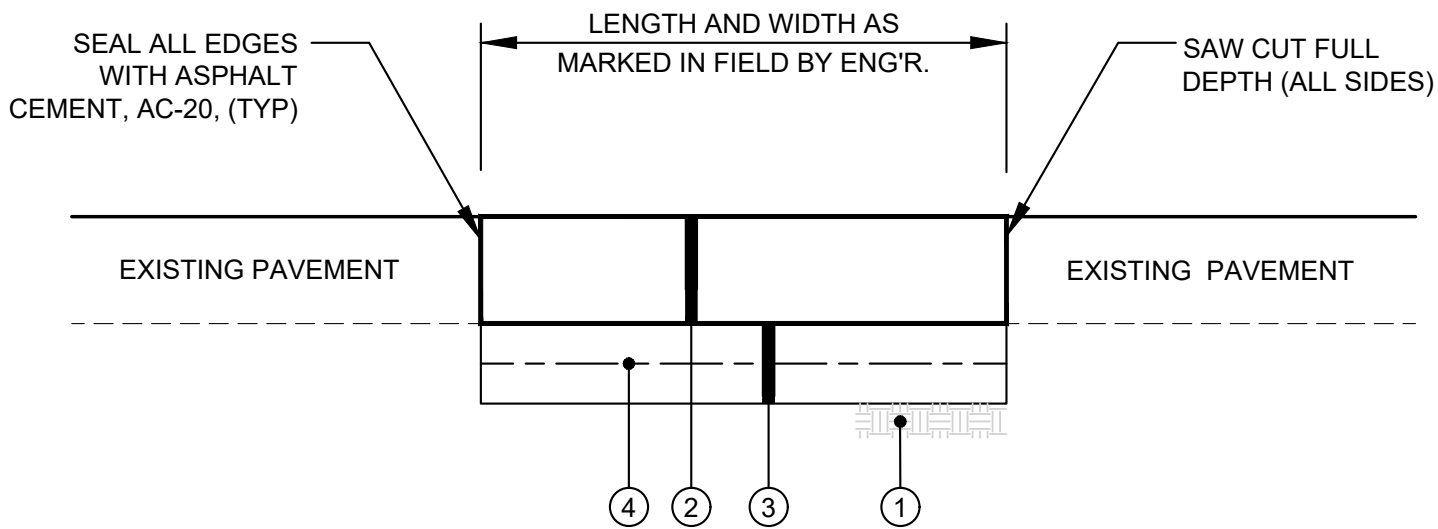
- 1 SAWCUT AT NEAREST JOINT AND REMOVE EXISTING CONCRETE PAVEMENT (INCIDENTAL TO ITEM SPL)
- 2 1" PREFORMED EXPANSION JOINT MATERIAL (FLEXIBLE FOAM-CERAMAR BY W.R. MEADOWS OR APPROVED EQUAL) - INCIDENTAL TO DRIVEWAY REPLACEMENT
- 3 TOOLED JOINT
- 4 6" CONCRETE DRIVEWAY/APRON (PER HAMILTON COUNTY SUBDIVISION REGULATIONS)
- 5 COMPACTED SUBGRADE (INCIDENTAL TO 6" CONCRETE DRIVEWAY/APRON REPLACEMENT)
- 6 SEAL JOINT WITH GRAY SELF LEVELING SEALANT (SIKA FLEX OR APPROVED EQUAL)

NOTE:

1. ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH (INCIDENTAL TO CONCRETE DRIVEWAY APRON REPLACEMENT).
2. ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF THE PROPOSED DRIVEWAY SHALL BE INCIDENTAL TO CONCRETE DRIVEWAY REPLACEMENT BID ITEM.

* NOTE: THIS IS A CONTINGENCY ITEM TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER. LIMITS TO BE MARKED IN THE FIELD BY THE ENGINEER.

CONCRETE DRIVEWAY REPLACEMENT (WITH SIDEWALK)
N.T.S

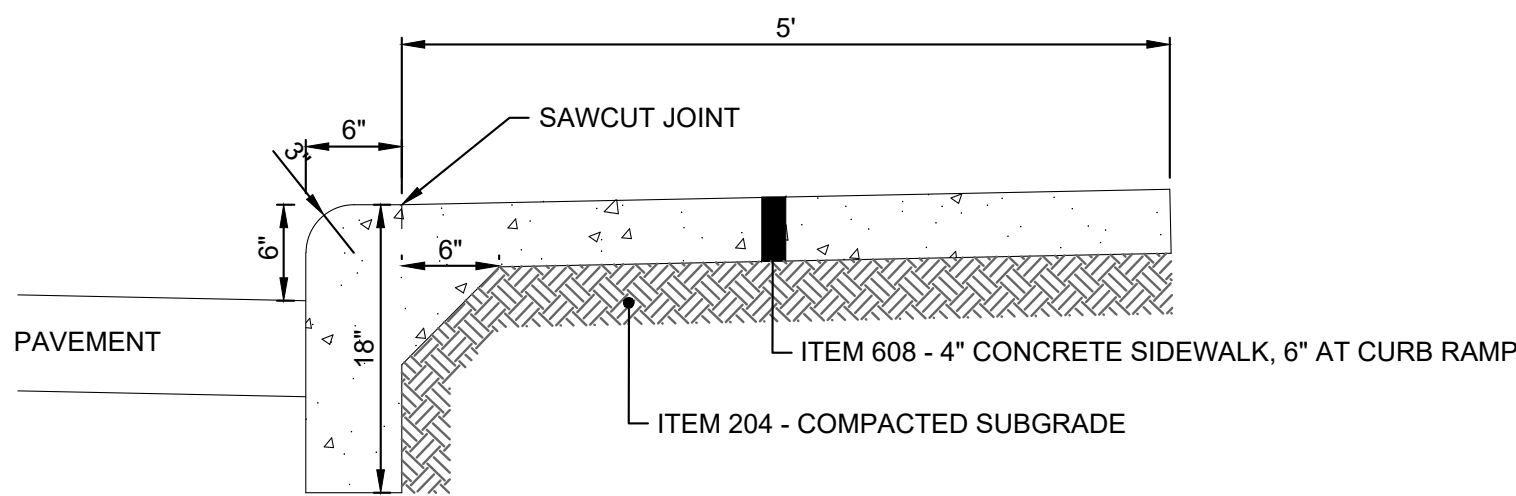


- 1 ITEM 204 - COMPACTED SUBGRADE (COST INCIDENTAL)
- 2 ITEM 301 - 5" ASPHALT CONCRETE BASE COURSE PG64-22
- 3 ITEM 203 - 12" GRANULAR EMBANKMENT TYPE B (2 - 6" LIFTS)
- 4 ITEM 712.15 - BI-AXIAL GEOGRID

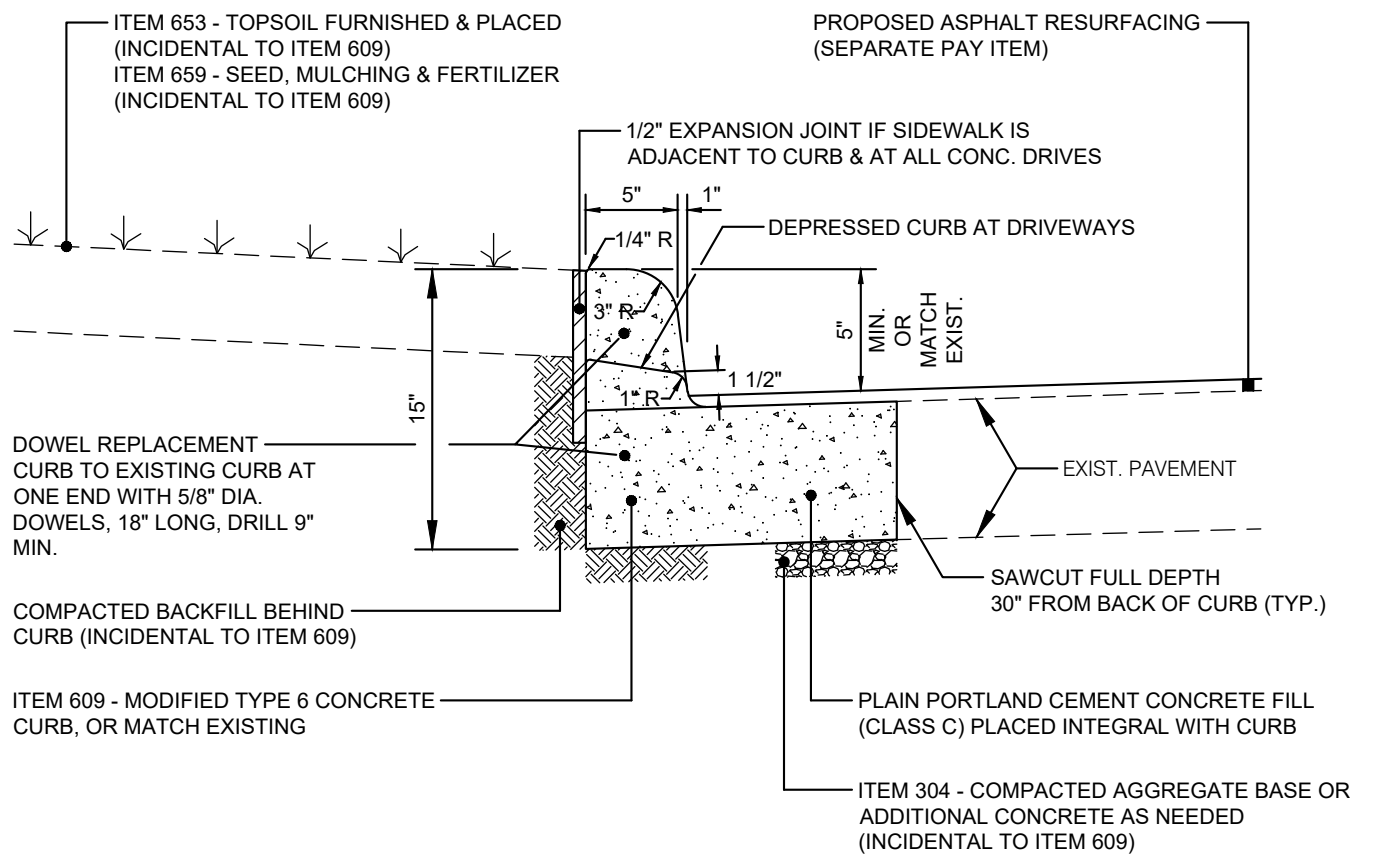
NOTES:

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

ITEM 204 - SUBGRADE STABILIZATION WITH GEOGRID
N.T.S



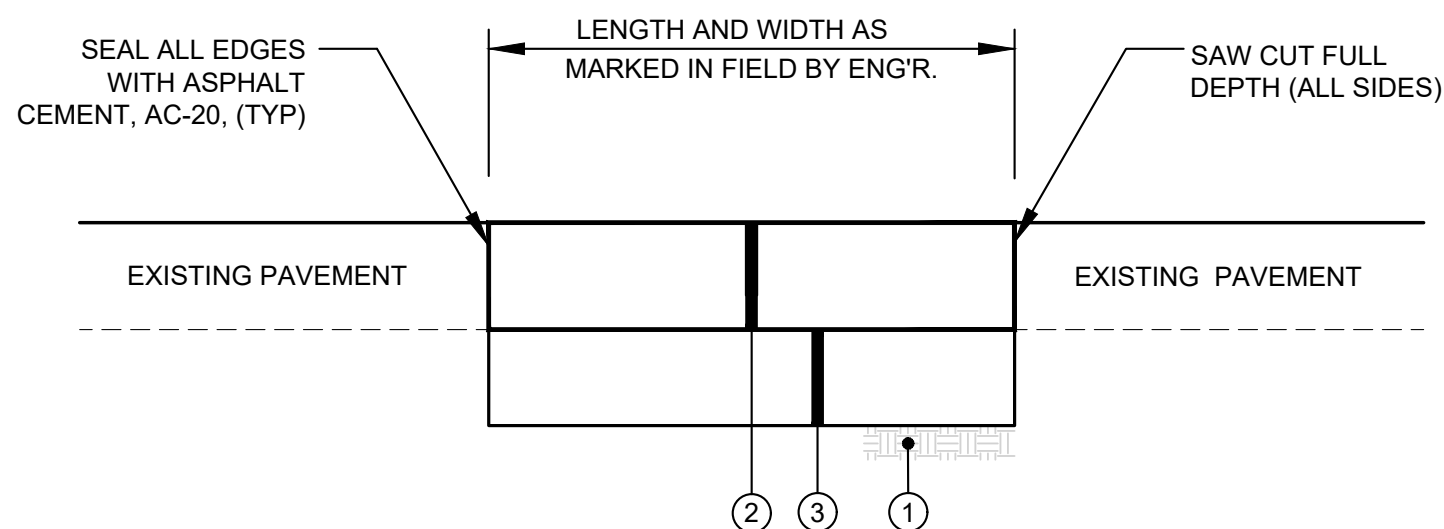
ITEM 608 - INTEGRAL CURB AND WALK
N.T.S



ITEM 609 - MODIFIED TYPE 6 CONCRETE CURB REPLACEMENT FOR CAMELLIA COURT

NOTES:

- 1.) CONTRACTOR SHALL FILL BEHIND CURB TO TOP OF CURB WITH TOPSOIL AND RESTORE YARD WITH TOPSOIL AND/OR SEEDING AND MULCHING WHICH SHALL BE INCIDENTAL TO ITEM 609.
- 2.) MAXIMUM SPACING OF EXPANSION JOINTS IS FORTY (40) FEET AND THE MAXIMUM SPACING FOR CONTRACTION JOINTS IS TEN (10) FEET.
- 3.) CONCRETE SHALL BE 4000 PSI AT 28 DAYS WITH 5% MIN. TO 8% MAX. ENTRAINED AIR.
- 4.) THE MIN. CURB REPLACEMENT SHALL BE 3'-0". EXPANSION MATERIAL AND DOWELS SHALL BE PLACED ON AT LEAST ONE END OF THE REPAIRED SECTION.
- 5.) DOWELING WILL BE REQUIRED AT EXPANSION JOINTS IN THE NEW CURB. TWO DOWELS SHALL BE PLACED PER DETAIL. EXPANSION JOINTS SHALL BE PLACED:
 - A.) AT A MAXIMUM SPACING OF 40' (IF HAND FORMED).
 - B.) ONE FOOT ON EACH SIDE OF CATCH BASIN PER ODOT STANDARD DRAWINGS.
 - C.) ALL CURB RADI RETURNS AND AT ALL STOP IN POURS.
 - D.) WHERE THE NEW CURB MEETS THE EXISTING CURB.
- 7.) THE DIMENSIONS ABOVE MAY BE MODIFIED BY THE ENGINEER IN THE FIELD TO MATCH THE DIMENSIONS OF THE VARIOUS EXISTING CURBS TO BE REMOVED.
- 8.) DEPRESSED CURB AT DRIVEWAYS. HEIGHT OF CURB TO BE 2" AT BACK OF CURB TO 1 1/2" AT FACE OF CURB ABOVE NEW SURFACE COURSE.

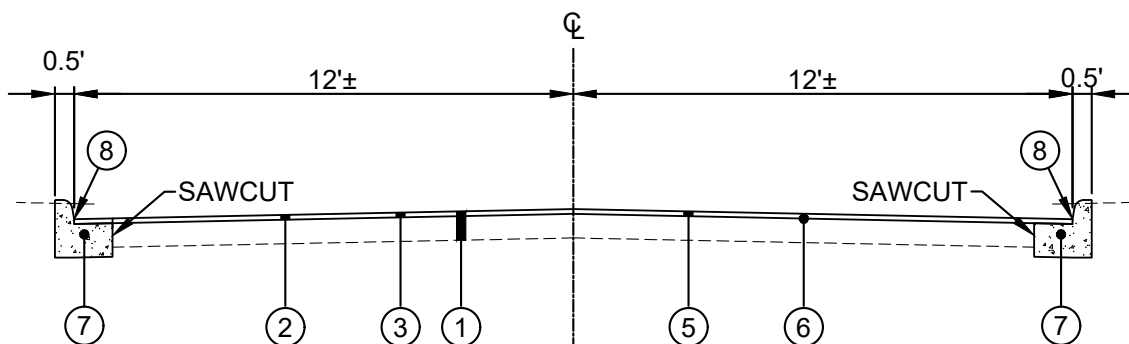


- 1 ITEM 204 - COMPACTED SUBGRADE (COST INCIDENTAL)
- 2 ITEM 301 - 5" ASPHALT CONCRETE BASE COURSE PG64-22
- 3 ITEM 203 - 12" GRANULAR EMBANKMENT TYPE B (2 - 6" LIFTS)

NOTES:

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

ITEM 253 - FULL DEPTH PAVEMENT REPAIR
N.T.S



LEGEND

- 1 EXISTING RIGID PAVEMENT
- 2 EXISTING ASPHALT SURFACE COURSE
- 3 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, (1 1/2")
- 4 NOT USED
- 5 ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, FIBER REINFORCED (1 1/2")
- 6 ITEM 407 - TACK COAT AT 0.10 GAL./S.Y.
- 7 ITEM 609 - TYPE 6 CURB, MODIFIED, REMOVAL OF EXISTING
- 8 3" WIDE SEAL OF ASPHALT BINDER WHERE ASPHALT MEETS CURB FOLLOWING THE PLACEMENT OF ITEM 448 SURFACE COURSE, (INCIDENTAL TO ITEM 441)

CAMELLIA COURT - PAVEMENT MILL AND OVERLAY
N.T.S



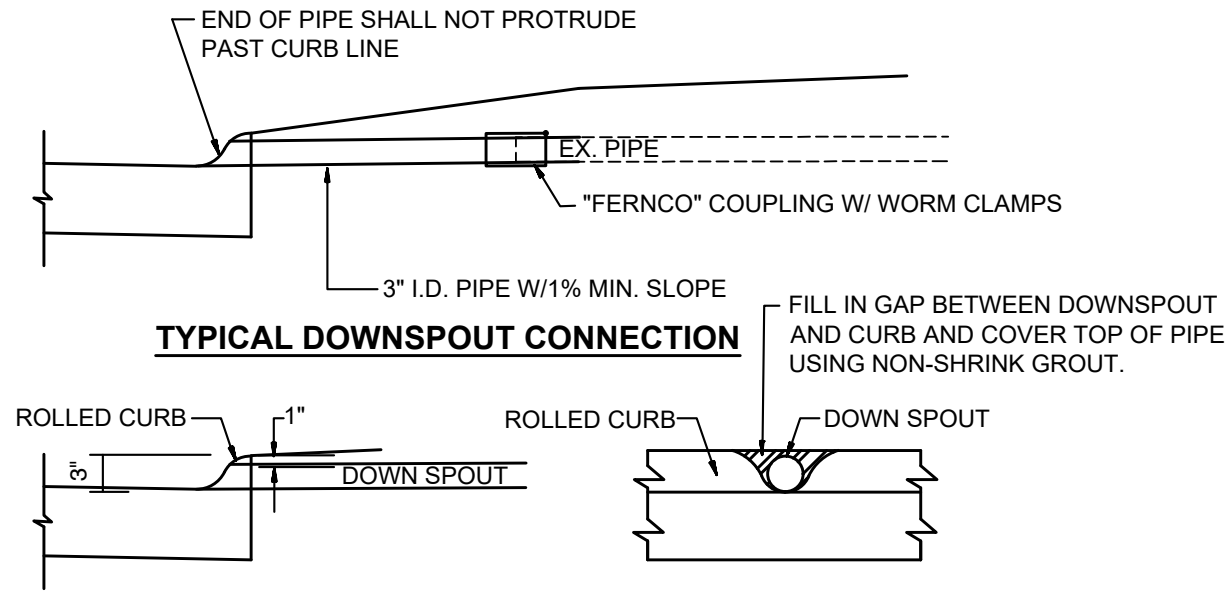
verdantas

ISSUED FOR:	BID	NO	REVISION	DATE
6/09/25				
SCALE:	AS SHOWN			
DESIGNED BY:	AJAC			
DRAWN BY:	AJAC			
CHECKED BY:	SRIG			

HARDING AVE. IMPROVEMENTS
CITY OF CHEVIO
- HAMILTON COUNTY, OH -

DETAILS

PROJECT NO.	32186
DISCIPLINE	CIVIL
SHEET NAME	DET1
SHEET	OF
3	8

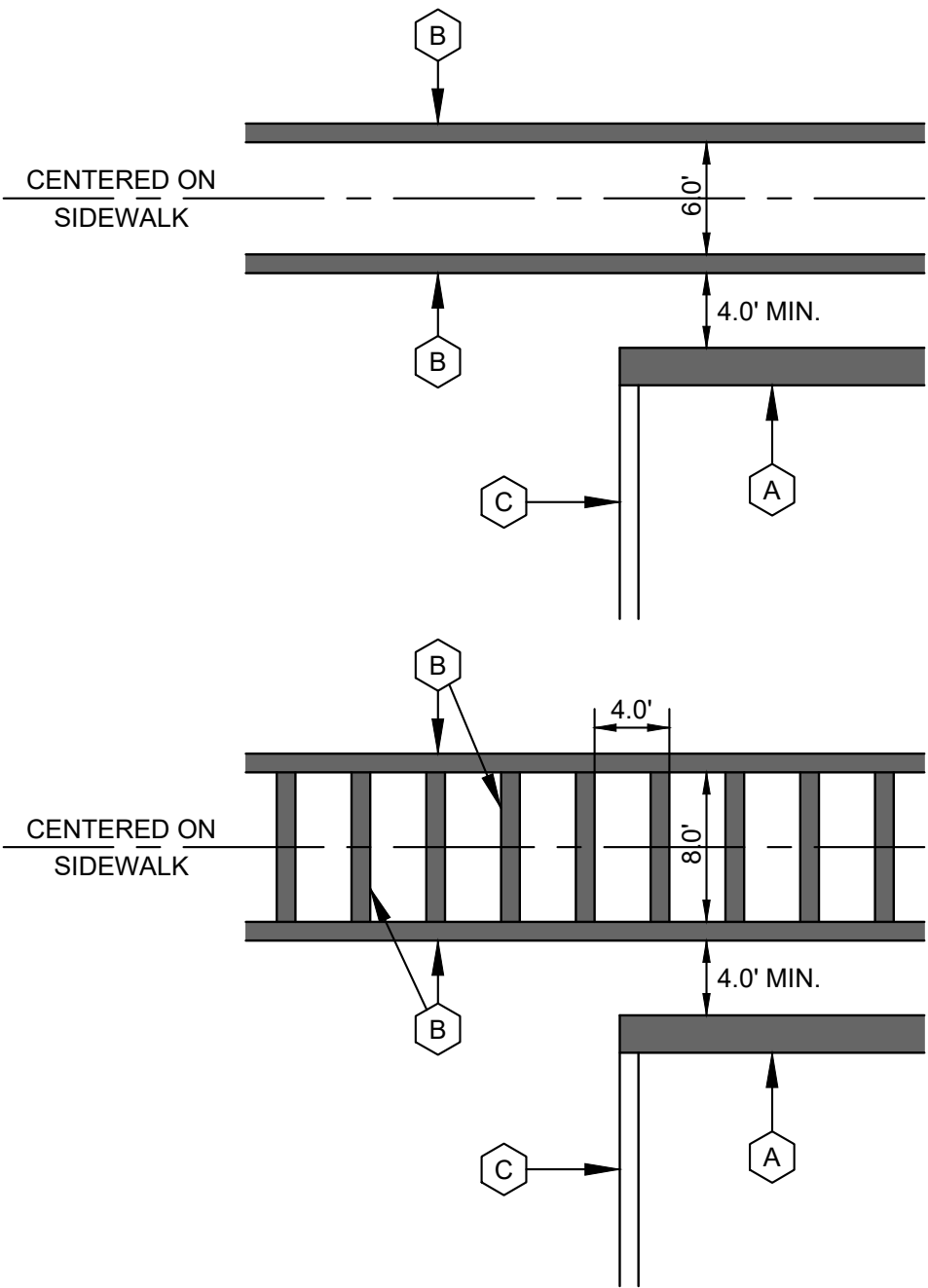


TYPICAL DOWNSPOUT CONNECTION

NOTES: CONDUIT MATERIAL SHALL BE CAST IRON. SIZE TO MATCH EXISTING DOWNSPOUT.

DOWNSPOUT LEADER IS TO DRAIN ONLY DOWNSPOUTS, AND SHALL NOT BE CONNECTED TO ANY UNDERGROUND WATER SOURCE.

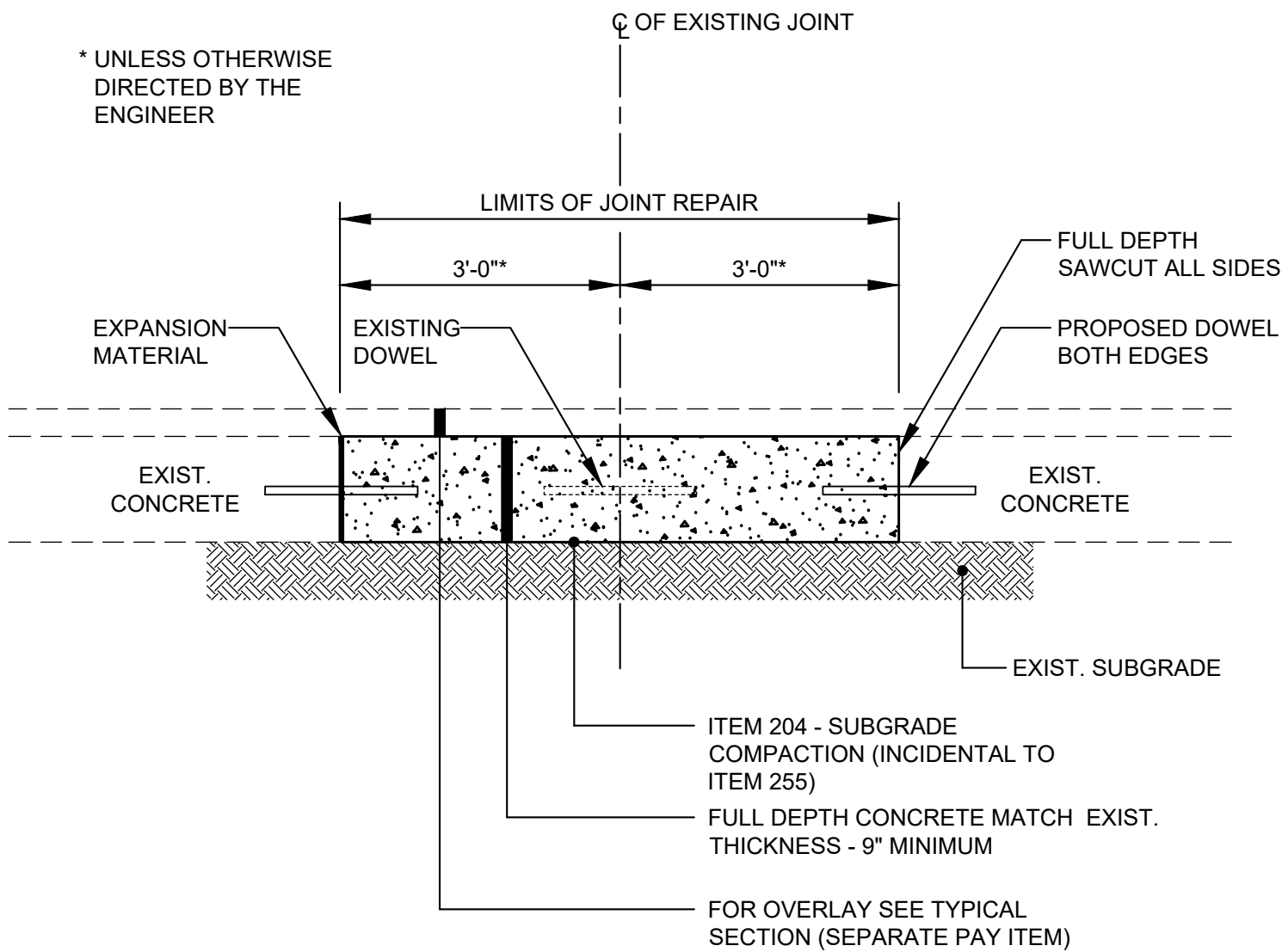
ITEM 611, DOWNSPOUT CONDUIT, MISC : PVC SCHEDULE 40 PIPE, 3" N.T.S.



ITEM 644 - PAVEMENT MARKING DETAIL

LEGEND

- A ITEM 644 - 24" STOP LINE
- B ITEM 644 - 12" CROSSWALK LINES
- C ITEM 644 - 4" SOLID DOUBLE YELLOW CENTERLINE



NOTES:

- 1.) USE 304 COMPACTED AGGREGATE BASE TO FILL VOIDS AS DIRECTED BY ENGINEER. ITEM 304 SHALL BE INCIDENTAL TO ITEM 255.
- 2.) SEE ODOT STANDARD DRAWING BP-2.5.

ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT DETAIL NTS

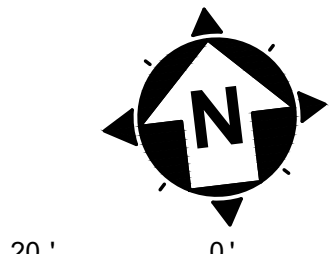
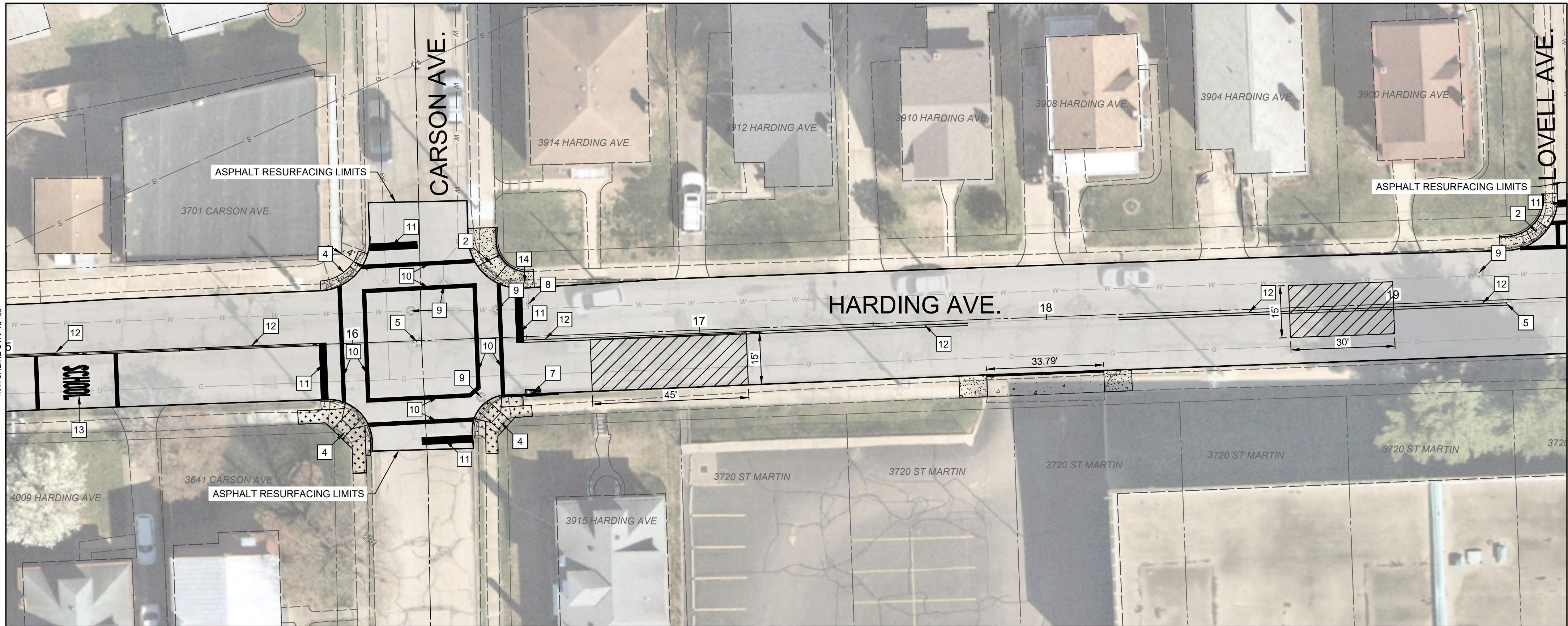
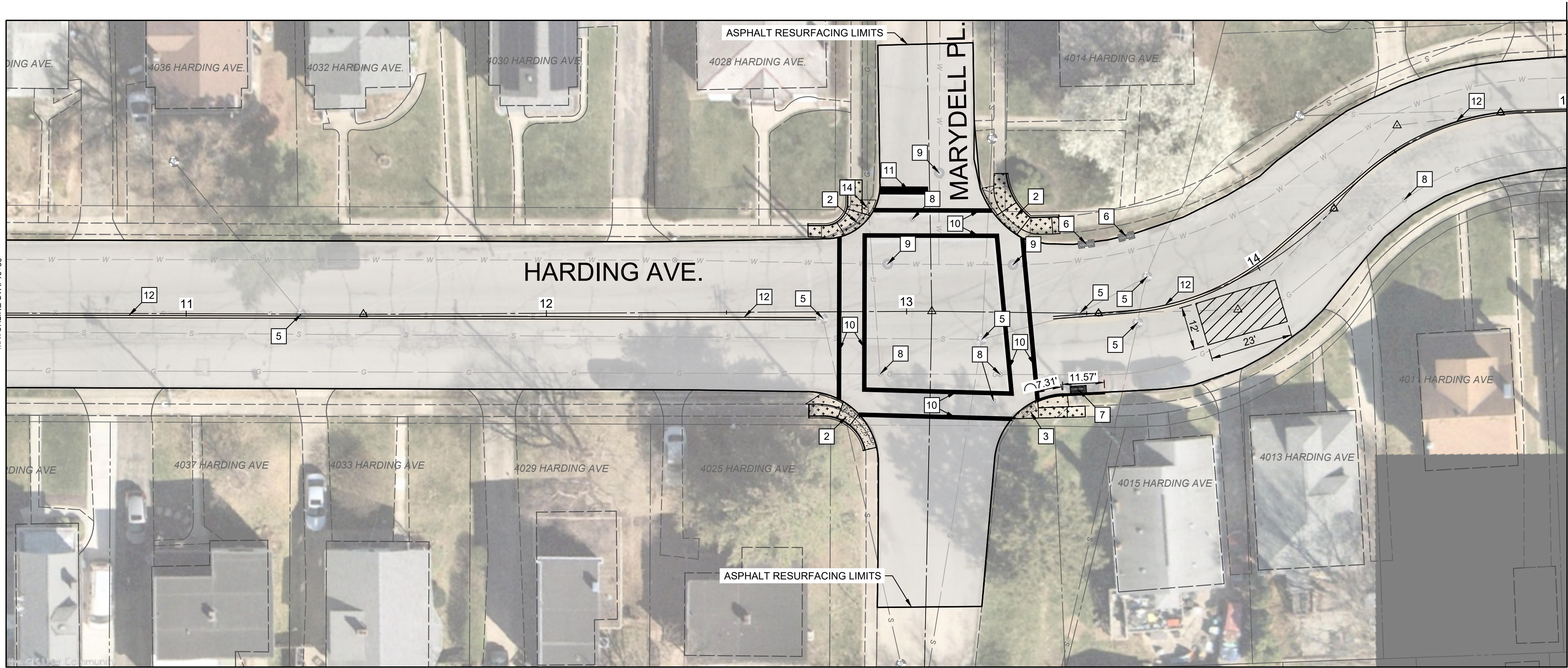


ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	6/09/25			
SCALE:	AS SHOWN			
DESIGNED BY:	AJAC			
DRAWN BY:	AJAC			
CHECKED BY:	SRIG			

HARDING AVE. IMPROVEMENTS
CITY OF CHEVLOT
- HAMILTON COUNTY, OH -

DETAILS

PROJECT NO.	
32186	
DISCIPLINE	
CIVIL	
SHEET NAME	
DET	
SHEET	OF
4	8



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



CONSTRUCTION NOTES	
1	ITEM 608 - CURB RAMP, TYPE A2
2	ITEM 608 - CURB RAMP, TYPE B2
3	ITEM 608 - CURB RAMP, TYPE B3
4	ITEM 608 - CURB RAMP, TYPE D
5	ITEM 611 - ADJUST STORM MANHOLE TO GRADE
6	ITEM 611 - ADJUST CATCH BASIN TO GRADE
7	ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB INLET, TOP 24" ONLY (S.G.I)
8	ITEM 638 - ADJUST VALVE TO GRADE
9	ITEM 638 - ADJUST MANHOLE TO GRADE
10	ITEM 644 - 12" CROSSWALK MARKINGS, WHITE
11	ITEM 644 - 24" STOP BAR, WHITE
12	ITEM 644 - 8" DOUBLE YELLOW CENTERLINE
13	ITEM 644 - SCHOOL SYMBOL MARKING, 96"
14	ITEM 630 - SALVAGE AND REPLACE EXISTING SIGN
15	ITEM 608 - CURB RAMP TYPE C2
16	ITEM 611 - REMOVE AND REPLACE TOP FRAM AND CASTINGS ON CURB INLET TOP 24" (D.G.I)

HATCH LEGEND	
	ITEM 441 - ASPHALT PAVEMENT PLANING AND OVERLAY (2.5')
	ITEM 441 - ASPHALT PAVEMENT PLANING AND OVERLAY (1.5')
	ITEM 452 - CONCRETE DRIVEWAY REPLACEMENT
	ITEM 452 - CONCRETE DRIVEWAY APRON
	ITEM 608 - 5" CONCRETE WALK REPLACEMENT
	ITEM 608 - INTEGRAL CURB AND WALK REPLACEMENT
	ITEM 659 - SEEDING AND MULCHING
	ITEM 609 - CURB REPLACEMENT, TYPE 6

NOTE:
ALL CONCRETE REPLACEMENT AND CURB REPLACEMENT SHALL BE TO THE NEAREST JOINT TO INDICATED LOCATION. ALL ODOT AND ADA REGULATIONS ARE TO BE FOLLOWED.

ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.

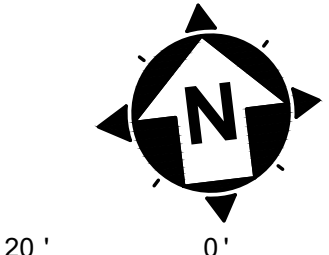
PAVEMENT REPAIRS, AS SHOWN ON THE PLANS, ARE BASED ON FIELD OBSERVATIONS. FINAL REPAIRS SHALL BE DETERMINED BY FIELD REVIEW AFTER PAVEMENT HAS BEEN PLANNED CURB TO CURB (EDGE TO EDGE) WITHIN THE STREET SEGMENT LIMITS.

APPROVED METHODS FOR REMOVAL OF THE REMAINING (AFTER PLANING) ASPHALT CONCRETE OVERLAY AND, WHERE REQUIRED, CONCRETE SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE RECTANGLE SHAPED REMOVAL AREAS IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT AND COMPACTION OF THE FULL DEPTH PAVEMENT REPLACEMENT MATERIALS.

BEFORE PLACING THE PAVEMENT REPLACEMENT MATERIALS, CLEAN ALL VERTICAL FACES OF THE EXISTING PAVEMENT AND COAT THEM WITH ASPHALT MATERIAL ACCORDING TO ITEM 403. ALSO, APPLY ITEM 406 - TACK COAT TO THE SURFACE OF THE REPAIRED/EXISTING CONCRETE OR EXISTING ASPHALT BASE COURSE.

MATERIALS FOR THE PAVEMENT REPLACEMENT SHALL BE AS DETAILED ON THE FULL DEPTH PAVEMENT REPAIR DETAILS. PLACE AND COMPACT THE PAVEMENT REPLACEMENT IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.

THE FULL DEPTH PAVEMENT REPLACEMENT SHALL BE PERFORMED CONCURRENTLY WITH THE CURB AND WALK REPLACEMENT AND REPAIRS. ONLY AFTER THE REPAIRS ARE PERFORMED FOR PHASED SEGMENT OF WORK, MAY THE CONTRACTOR THEN INSTALL THE ASPHALT SURFACE AND INTERMEDIATE COURSES.



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

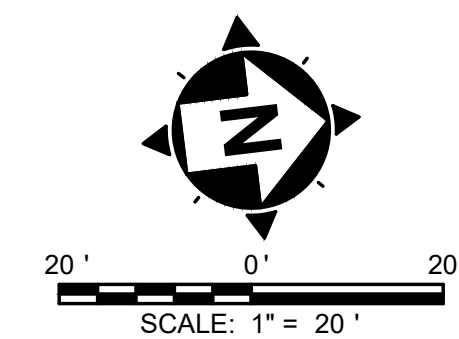
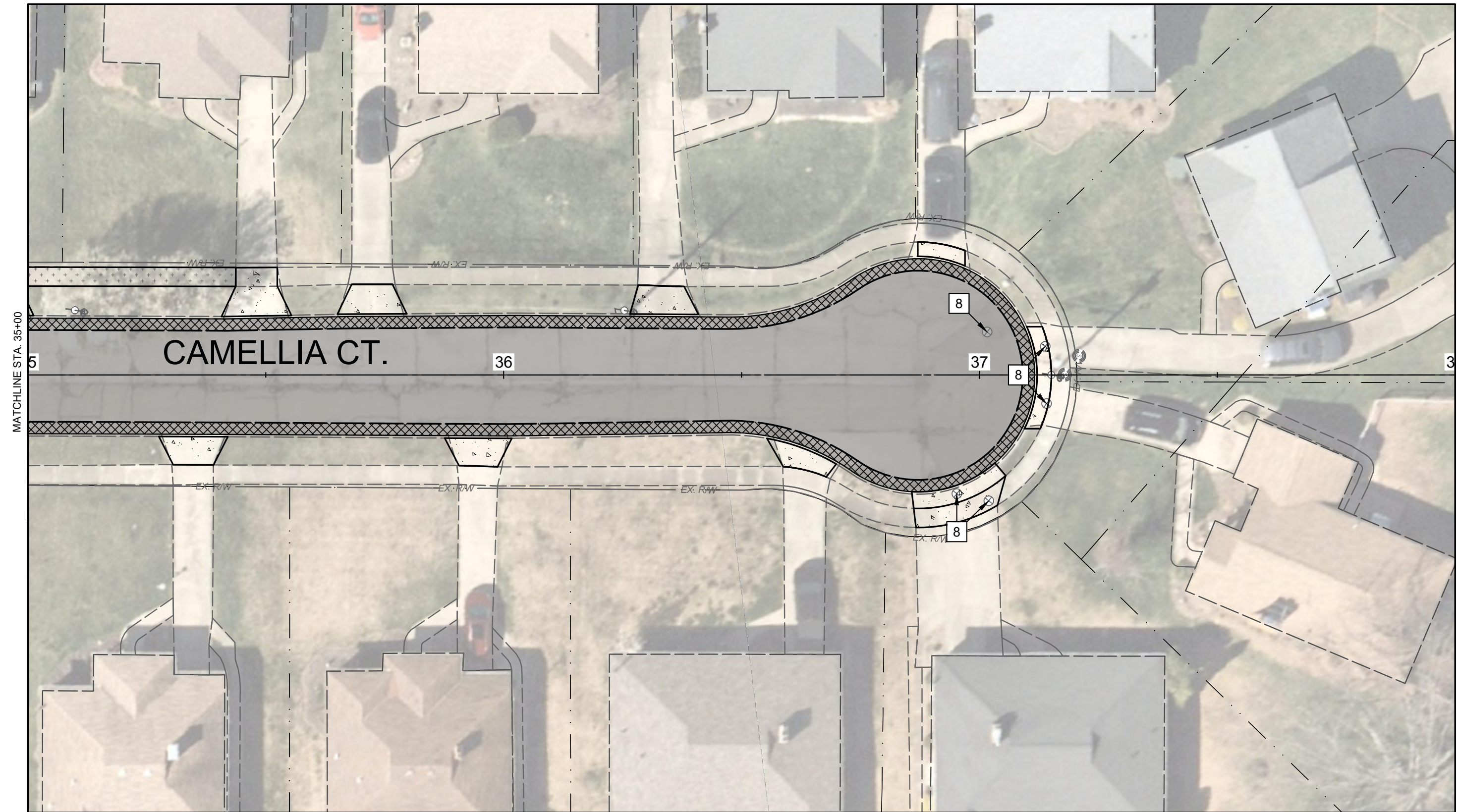
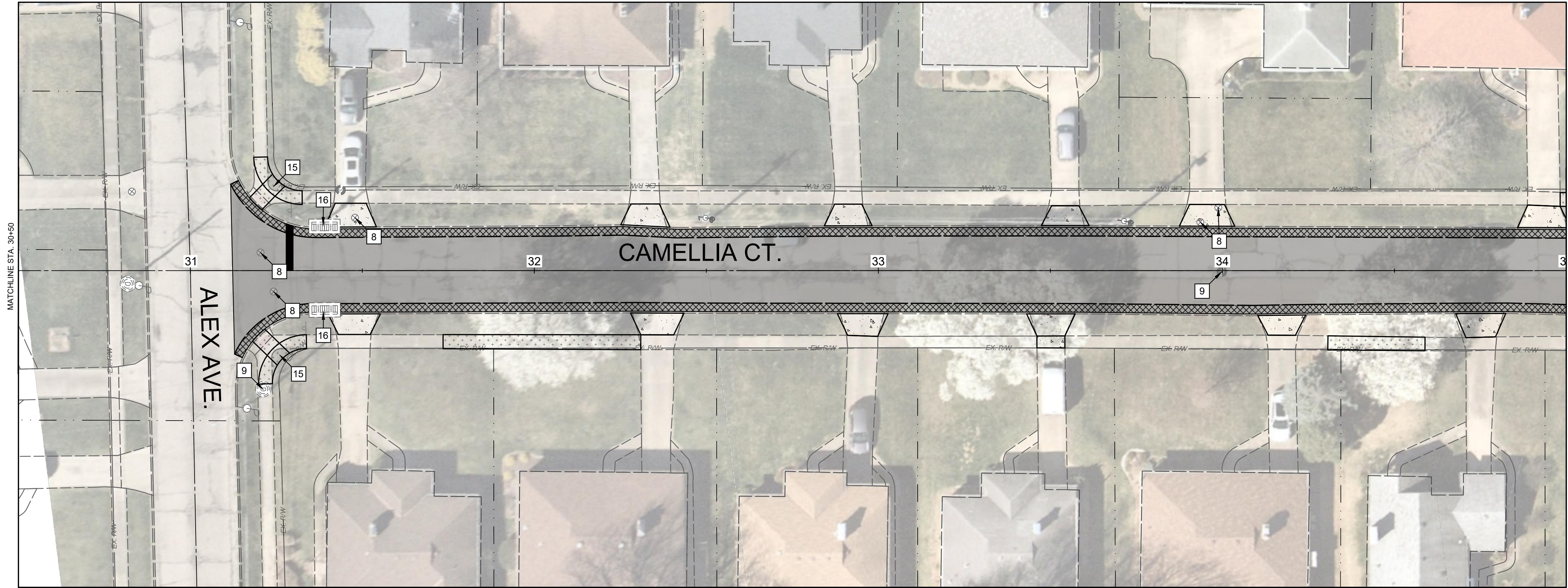


ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
	6/09/25	AS SHOWN	AJAC	AJAC	SRIG
NO	REVISION	DATE			

HARDING AVE. IMPROVEMENTS
CITY OF CHEVLOT
- HAMILTON COUNTY, OH -

HARDING AVE STA 19+50 - 24+00

PROJECT NO. 32186	
DISCIPLINE CIVIL	
SHEET NAME C03	
SHEET 7	OF 8



CONSTRUCTION NOTES	
1	ITEM 608 - CURB RAMP, TYPE A2
2	ITEM 608 - CURB RAMP, TYPE B2
3	ITEM 608 - CURB RAMP, TYPE B3
4	ITEM 608 - CURB RAMP, TYPE D
5	ITEM 611 - ADJUST STORM MANHOLE TO GRADE
6	ITEM 611 - ADJUST CATCH BASIN TO GRADE
7	ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB INLET, TOP 24" ONLY (S.G.I)
8	ITEM 638 - ADJUST VALVE TO GRADE
9	ITEM 638 - ADJUST MANHOLE TO GRADE
10	ITEM 644 - 12" CROSSWALK MARKINGS, WHITE
11	ITEM 644 - 24" STOP BAR, WHITE
12	ITEM 644 - 8" DOUBLE YELLOW CENTERLINE
13	ITEM 644 - SCHOOL SYMBOL MARKING, 96"
14	ITEM 630 - SALVAGE AND REPLACE EXISTING SIGN
15	ITEM 608 - CURB RAMP TYPE C2
16	ITEM 611 - REMOVE AND REPLACE TOP FRAME AND CASTINGS ON CURB INLET, TOP 24" ONLY (D.G.I)

HATCH LEGEND	
	ITEM 441 - ASPHALT PAVEMENT PLANING AND OVERLAY (2.5')
	ITEM 441 - ASPHALT PAVEMENT PLANING AND OVERLAY (1.5')
	ITEM 452 - CONCRETE DRIVEWAY REPLACEMENT
	ITEM 452 - CONCRETE DRIVEWAY APRON
	ITEM 608 - 5' CONCRETE WALK REPLACEMENT
	ITEM 608 - INTEGRAL CURB AND WALK REPLACEMENT
	ITEM 659 - SEEDING AND MULCHING
	ITEM 609 - CURB REPLACEMENT, TYPE 6
	ITEM 609 - CURB REPLACEMENT, MODIFIED TYPE 6

NOTE:
ALL CONCRETE REPLACEMENT AND CURB REPLACEMENT SHALL BE TO THE NEAREST JOINT TO INDICATED LOCATION. ALL ODOT AND ADA REGULATIONS ARE TO BE FOLLOWED.

ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.

PAVEMENT REPAIRS, AS SHOWN ON THE PLANS, ARE BASED ON FIELD OBSERVATIONS. FINAL REPAIRS SHALL BE DETERMINED BY FIELD REVIEW AFTER PAVEMENT HAS BEEN PLANED CURB TO CURB (EDGE TO EDGE) WITHIN THE STREET SEGMENT LIMITS.

APPROVED METHODS FOR REMOVAL OF THE REMAINING (AFTER PLANING) ASPHALT CONCRETE OVERLAY AND, WHERE REQUIRED, CONCRETE SHALL SATISFACTORILY ESTABLISH A NEAT VERTICAL FACE ALONG THE ENTIRE PERIMETER OF THE RECTANGLE SHAPED REMOVAL AREAS IN ORDER TO SUBSEQUENTLY PERMIT THE PROPER PLACEMENT AND COMPACTION OF THE FULL DEPTH PAVEMENT REPLACEMENT MATERIALS.

BEFORE PLACING THE PAVEMENT REPLACEMENT MATERIALS, CLEAN ALL VERTICAL FACES OF THE EXISTING PAVEMENT AND COAT THEM WITH ASPHALT MATERIAL ACCORDING TO ITEM 403. ALSO, APPLY ITEM 406 - TACK COAT TO THE SURFACE OF THE REPAIRED/EXISTING CONCRETE OR EXISTING ASPHALT BASE COURSE.

MATERIALS FOR THE PAVEMENT REPLACEMENT SHALL BE AS DETAILED ON THE FULL DEPTH PAVEMENT REPAIR DETAILS. PLACE AND COMPACT THE PAVEMENT REPLACEMENT IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.

THE FULL DEPTH PAVEMENT REPLACEMENT SHALL BE PERFORMED CONCURRENTLY WITH THE CURB AND WALK REPLACEMENT AND REPAIRS. ONLY AFTER THE REPAIRS ARE PERFORMED FOR PHASED SEGMENT OF WORK, MAY THE CONTRACTOR THEN INSTALL THE ASPHALT SURFACE AND INTERMEDIATE COURSES.

DOWNSPOUT CONDUITS ARE TO BE FIELD LOCATED AND REPLACED TO RIGHT OF WAY. FINAL REPLACEMENT TO BE DETERMINED BY FIELD REVIEW AFTER EXISTING CURB/EDGE OF PAVEMENT IS SAW CUT AND REMOVED.

STATE OF OHIO
SHAWN RIGGS
PE84714
REGISTERED PROFESSIONAL ENGINEER

ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
	6/09/25	AS SHOWN	AJAC	AJAC	SRIG

NO	REVISION	DATE

HARDING AVE. IMPROVEMENTS
CITY OF CHEVLOT
- HAMILTON COUNTY, OH -

CAMELLIA COURT STA 30+50- STA 38+00

PROJECT NO.	32186
DISCIPLINE	CIVIL
SHEET NAME	C04
SHEET	8
OF	8