

CITY OF FORT THOMAS

CAMPBELL COUNTY, KENTUCKY

FORT THOMAS 2024 STREET RESURFACING PROGRAM

240102

CITY OF INDEPENDENCE OFFICIALS

MAYOR
ERIC HAAS

CITY CLERK
MELISSA BECKETT

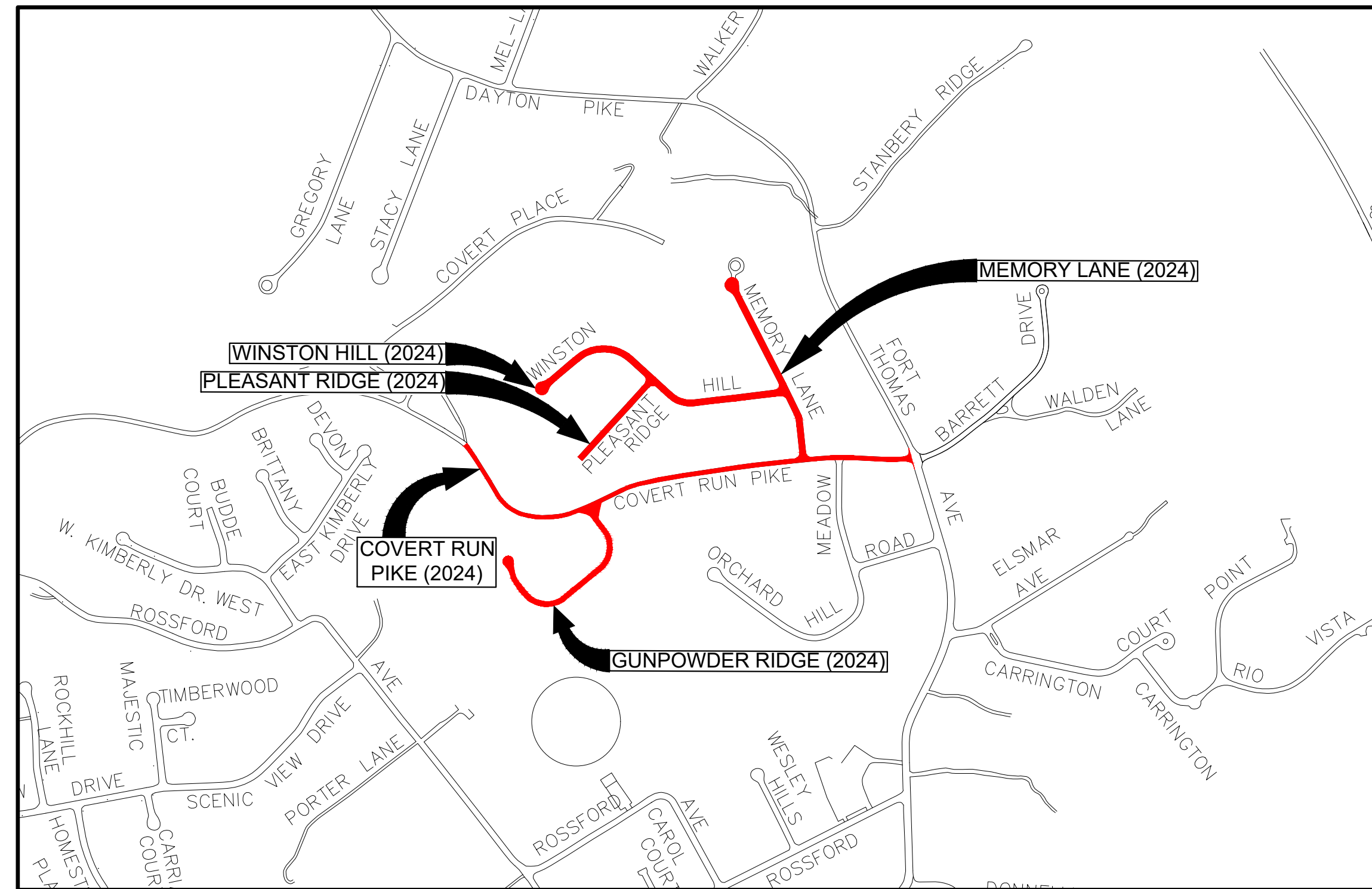
CITY ADMINISTRATOR
MATTHEW KREMER

CITY COUNCIL MEMBERS

JEFF BEZOLD
ADAM BLAU
ANDY ELLISON
LAUREN MCINTOSH
BEN PENDERY
ERIC STRANGE

GENERAL SERVICES DIRECTOR
KEVIN BARBIAN

PUBLIC WORKS DIRECTOR
TIM MATTINGLY



VICINITY MAP

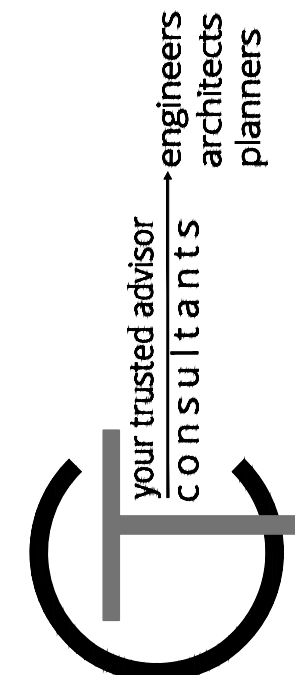
K.T.C SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE KENTUCKY TRANSPORTATION CABINET, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO.

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON CAMPBELL COUNTY G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY CT CONSULTANTS, INC.

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NO	REVISION	DATE

**FORT THOMAS 2024 STREET
RESURFACING PROGRAM**

**CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY**

TITLE SHEET

PROJECT NO. 240102	
DISCIPLINE CIVIL	
SHEET NAME TTL	
SHEET 1	OF 15



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GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE CITY OF FORT THOMAS SUBDIVISION REGULATIONS AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- EXPANSION MATERIAL SHALL BE FLEXIBLE FOAM MATERIAL, SUCH AS CERAMAR BY W.R. MEADOWS OR APPROVED EQUAL, INSTALLED IN AREAS OF CONCRETE WALK, DRIVES OR CURB/GUTTER ONLY AT THE FOLLOWING:
 - AT ALL FIXED OBJECTS (I.E. UTILITY COVERS, VALVES, MANHOLES, ETC.)
 - AT ALL RIGID STRUCTURES (I.E. DRIVES, CURBS, STEPS, ETC.) PAYMENT FOR THIS ITEM AND ZIP STRIPS INCLUDED IN THE PERTINENT CONCRETE PAVEMENT UNIT PRICE.
 - AT ALL STREET INTERSECTIONS AT THE POINT OF CURVATURE OF THE TURNING RADI ENTERING THE INTERSECTION.
 - NO CONCRETE SHALL BE LEFT ABOVE THE EXPANSION MATERIAL OR ACROSS THE JOINT AT ANY POINT. ANY CONCRETE SPANNING THE ENDS OF THE JOINT NEXT TO THE FORMS SHALL BE CAREFULLY CUT AWAY AFTER THE FORMS ARE REMOVED. BEFORE THE PAVEMENT IS OPENED TO TRAFFIC, THE GROOVE ABOVE THE EXPANSION JOINT MATERIAL SHALL BE CLEANED AND SEALED WITH JOINT SEALING MATERIAL.
- ROADWAY REPLACEMENT PROJECT MAY NOT BEGIN BEFORE AUGUST 01, 2024 AND SHALL BE SUBSTANTIALLY COMPLETE NO LATER THAN OCTOBER 30, 2024.
- DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE CITY OF FORT THOMAS SUBDIVISION REGULATIONS, SD-1 REGULATIONS AND STANDARD DRAWINGS, AND DETAILS SHOWN ON THIS PLAN. BEDDING, BACKFILLING, JOINTS, EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE COST PER FOOT OF PIPE. STORM SEWER, DOWNSPOUT AND UNDERDRAIN PIPE MATERIAL SHALL HAVE A MANNING'S "N" VALUE OF 0.013 OR LESS (UNLESS OTHERWISE SHOWN) AND BE RIGID / SMOOTH INTERIOR WALLED PVC SDR-35 PIPE, RIBBED PVC PIPE, A-2000 PVC PIPE, UNLESS OTHERWISE SHOWN.
- ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER KDOT SPEC. 212. A RESIDENTIAL YARD SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.
- ALL APPLICABLE RECOMMENDATIONS IN KENTUCKY'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.
- RIGHT-OF-WAY AND PROPERTY LINES SHOWN ARE PLOTTED FROM CAMPBELL COUNTY G.I.S. MAPPING AND ARE APPROXIMATE AND NOT THE RESULT OF A FIELD BOUNDARY SURVEY.
- THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS AND RIGHTS-OF-WAY SHOWN ON THESE PLANS UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE CITY OF FORT THOMAS.
- ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.
- RELOCATION OR REINSTALLATION OF EXISTING MAIL BOXES, FENCES, PRIVATE LANDSCAPE LIGHTS, PRIVATE SIGNS, STREET SIGNS, RESTORATION OF LANDSCAPING AND TREATMENT OF EXISTING WALLS WHERE A PORTION HAS BEEN REMOVED SHALL BE INCIDENTAL TO CLEARING AND GRUBBING.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL CAMPBELL COUNTY AND THE CITY OF FORT THOMAS PERMITS HAVE BEEN ISSUED AS REQUIRE
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF FORT THOMAS. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE PLANS.
- ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.
- LIMITS OF DRIVEWAY APRON & SIDEWALK REPLACEMENT TO BE MARKED IN THE FIELD BY THE ENGINEER. ADDITIONAL DRIVEWAY & SIDEWALK REPLACEMENTS, NOT SHOWN ON THE PLANS MAY BE REQUIRED BY THE ENGINEER.

UTILITY NOTES

- THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- PRIOR TO ANY EXCAVATION OVER AN EXISTING UTILITY LINE OR SERVICE, CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THE UTILITY AND DETERMINE LOCATION AND DEPTH. NOTIFY ENGINEER IMMEDIATELY OF ANY CONTACTS.
- TOPS OF EXISTING AND PROPOSED CASTING ELEVATIONS ARE SUBJECT TO FINAL ADJUSTMENTS AS APPROVED BY THE ENGINEER AND REQUIREMENTS OF UTILITY OWNER. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE KENTUCKY UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF KENTUCKY UNDERGROUND PROTECTION.

MAINTENANCE OF TRAFFIC NOTES

- ALL MAINTENANCE OF TRAFFIC PROCEDURES SHALL MEET THE REQUIREMENT OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 112 OF KTC STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL TRAFFIC (ACCESS TO RESIDENCES WITHIN CONSTRUCTION LIMITS) AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT SIGN, WARNING LIGHTS, BARRICADES, OR OTHER NECESSARY DEVICES MAKE THE SITE SAFE TO THE TRAVELING PUBLIC.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT TO THE ENGINEER AND THE OWNER A TRAFFIC CONTROL PLAN FOR THIS PROJECT.
- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT THOMAS, AS WELL AS THEIR POLICE AND FIRE POLICE DEPARTMENTS. AT ALL TIMES, EMERGENCY VEHICLES SHALL BE GIVEN ACCESS.
- RESIDENTS OF THE PROJECT AREA SHALL BE ALLOWED ACCESS TO THEIR PROPERTY AT ALL TIMES.
- EACH DRIVEWAY SHALL BE ACCESSIBLE WHENEVER POSSIBLE. WHEN PORTLAND CEMENT CONCRETE CONSTRUCTION AFFECTS A DRIVEWAY, THE CONTRACTOR SHALL NOTIFY THE AFFECTED OWNERS 24 HOURS IN ADVANCE AND ADVISE THEM TO FIND ALTERNATIVE PARKING FOR A PERIOD OF AT LEAST 10 CALENDAR DAYS AFTER THE POUR. ALTERNATIVE PARKING SHALL INCLUDE "ON STREET" PARKING WITH ACCESS TO THE PROPERTY. TEMPORARY SIDEWALKS, ETC. WILL BE NECESSARY TO PREVENT PERSONS FROM WALKING IN MUD IN ORDER TO ENTER THEIR PROPERTY. TEMPORARY BRIDGES, RAILINGS ETC. WILL BECOME NECESSARY IN ORDER TO CROSS FORMED CURB LINES, EXCAVATED AREAS BEHIND CURB LINES AND WALKWAYS, ETC.

STORM & SANITARY NOTES

- ALL STORM AND SANITARY ITEMS SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND DETAILS FROM SD1. CONCRETE AND METAL PIPE MATERIALS SHALL NOT BE USED UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
- CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORM AND SANITARY SEWER FLOW THROUGHOUT THE PROJECT, FOR THE DURATION OF CONSTRUCTION. ALL COST FOR THE ABOVE SHALL BE INCIDENTAL TO THE CONTRACT.
- IF REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND SCHEDULING STORM AND SANITARY SEWER INSPECTIONS AS SET OUT IN THE PRECONSTRUCTION MEETING.
- CONNECTIONS INTO EXISTING OR PROPOSED STORM OR SANITARY SEWER STRUCTURES OR PIPES SHALL BE COMPLETED BY A CERTIFIED TAPPER BY SD1.

WATER NOTES

- ALL WORK RELATING TO WATER MAINS OR WATER SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NORTHERN KENTUCKY WATER DISTRICT (NKWD).
- CONTRACTOR MAY NOT USE WATER FROM FIRE HYDRANTS WITHOUT PRIOR PERMISSION FROM NKWD

GAS NOTES

- ALL WORK RELATING TO GAS MAINS OR GAS SERVICE LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY

ELECTRIC NOTES

- ALL WORK RELATING TO ELECTRIC LINES SHALL BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE DUKE ENERGY

EROSION CONTROL LEGEND

IP INLET PROTECTION (SEE DETAIL)

HATCH LEGEND

2" ASPHALT MILL AND OVERLAY

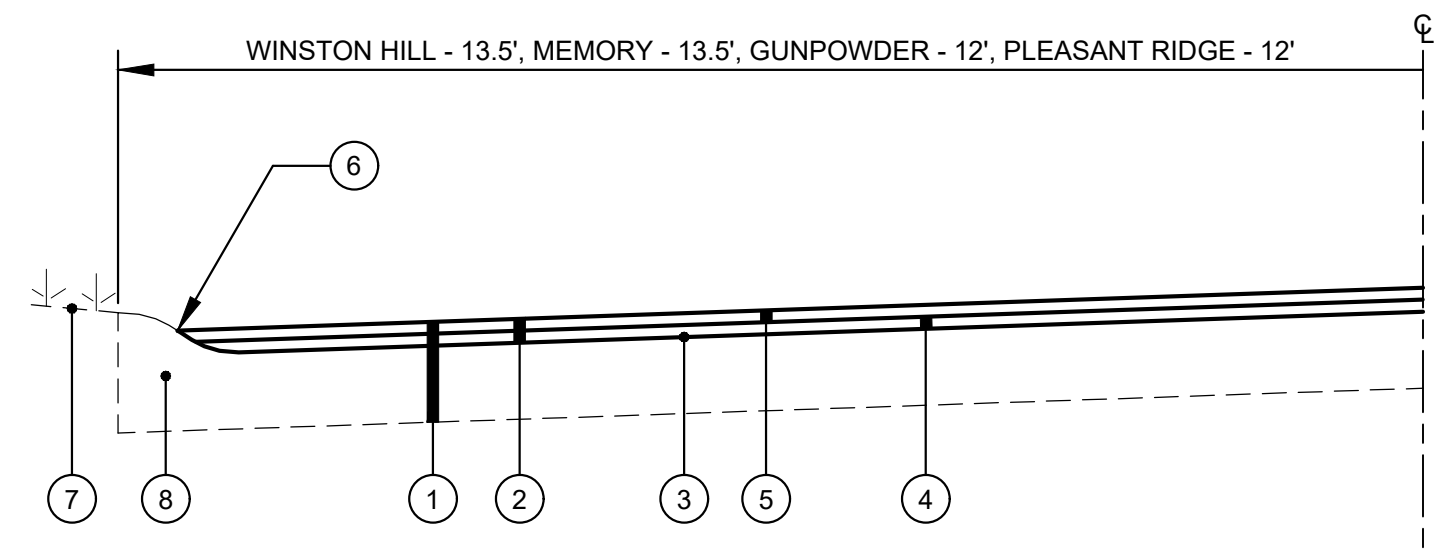
SYMBOL LEGEND

	EXISTING GAS LINE		PROPOSED GAS LINE
	EXISTING GAS SERVICE		PROPOSED GAS SERVICE
	EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)		EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
	EXISTING CABLE (UNDERGROUND / OVERHEAD)		PROPOSED CABLE (UNDERGROUND / OVERHEAD)
	EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)		PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
	EXISTING WATER MAIN		PROPOSED WATER MAIN
	EXISTING WATER SERVICE		PROPOSED WATER SERVICE
	EXISTING STORM SEWER		PROPOSED STORM SEWER
	EXISTING ROOF DRAIN		PROPOSED UNDERDRAIN
	EXISTING SANITARY SEWER		PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMB
	EXISTING SANITARY FORCE MAIN		PROPOSED SANITARY SEWER
	EXISTING FIBER OPTICS		PROPOSED SANITARY FORCE MAIN
	EXISTING FENCE		PROPOSED FIBER OPTICS
	EXISTING CONTOURS (MAJOR)		PROPOSED FENCE
	EXISTING CONTOURS (MINOR)		PROPOSED CONTOURS (MAJOR)
	EXISTING RIGHT OF WAY		PROPOSED CONTOURS (MINOR)
	EXISTING PROPERTY LINE		PROPOSED RIGHT OF WAY
	EXISTING EASEMENT		PROPOSED PROPERTY LINE
	EXISTING GUARDRAIL		PROPOSED EASEMENT
	EXISTING TREE LINE		PROPOSED GUARDRAIL
	PROPOSED FLAGPOLE		PROPOSED TREE LINE / CLEARING LIMITS
	PROPOSED MAILBOX		PROPOSED DISTURBED LIMITS
	PROPOSED SIGN		
	PROPOSED CABLE PEDESTAL		
	PROPOSED ELECTRIC PEDESTAL		
	PROPOSED PULL BOX		
	PROPOSED GROUND LIGHT		
	PROPOSED LIGHT POLE		
	PROPOSED ELECTRIC METER		
	PROPOSED ELECTRIC MANHOLE		
	PROPOSED GAS METER		
	PROPOSED GAS VALVE		
	PROPOSED GAS BOX		
	PROPOSED UTILITY POLE		
	PROPOSED GUY WIRE / ANCHOR		
	PROPOSED SANITARY MANHOLE		
	PROPOSED SANITARY CLEANOUT		
	PROPOSED STORM MANHOLE		
	PROPOSED SINGLE / DOUBLE CURB INLET		
	PROPOSED CATCH BASIN		
	PROPOSED STORM CLEANOUT		
	PROPOSED TELEPHONE MANHOLE		
	PROPOSED TELEPHONE PEDESTAL		
	PROPOSED FIRE HYDRANT		
	PROPOSED WATER METER		
	PROPOSED WATER VALVE		
	REMOVE EXISTING BUSH / TREE		
	PROPOSED SLOPE DIRECTION		
	EXISTING SURVEY BENCHMARK		
	TEST BORING LOCATION		

NOTES AND LEGEND

your trusted advisor
engineers
architects
planners
consultants

PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	NOTES
SHEET	2
OF	15



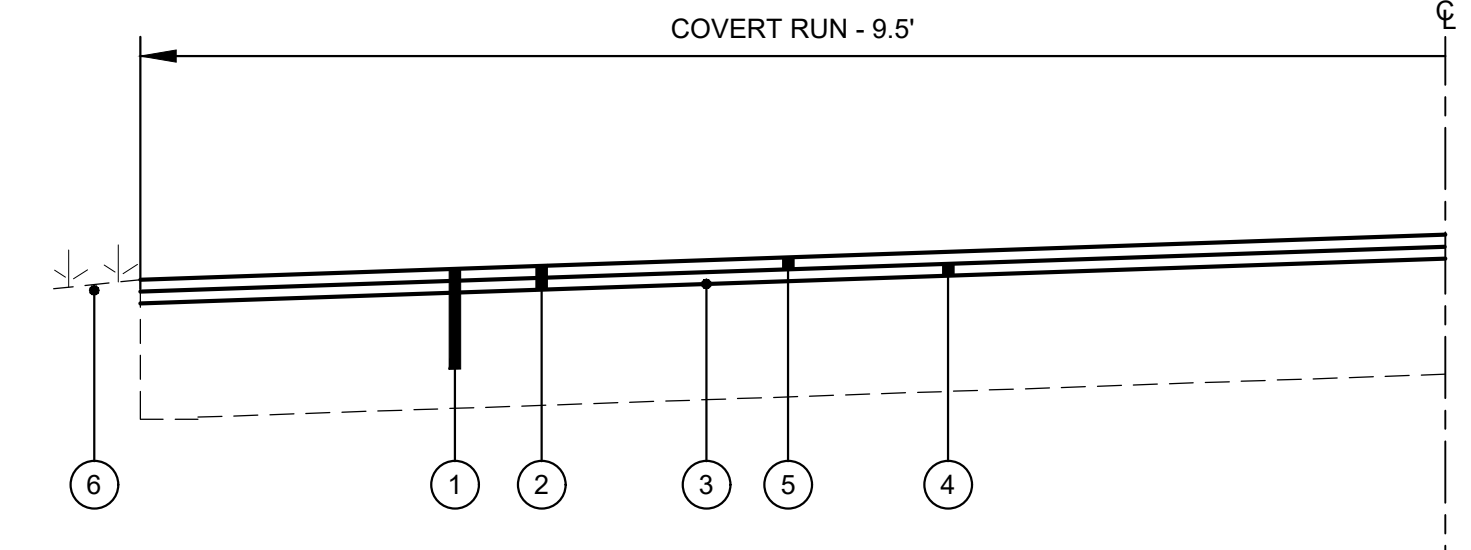
LEGEND

- ① EXISTING PAVEMENT (CONCRETE OR ASPHALT) WITH ASPHALT OVERLAY
- ② ITEM 408 - ASPHALT MILLING (2" ±) - (IF STREET HAS CONCRETE BASE, REMOVE TO EXISTING CONCRETE SURFACE)
- ③ ITEM 406 - TACK COAT @ 0.1 GAL/SY (INCIDENTAL TO ASPHALT PAVEMENT)
- ④ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT LEVELING COURSE (SCRATCH COAT) (3/4")
- ⑤ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT SURFACE WITH FIBER REINFORCEMENT (ACE FIBER OR APPROVED EQUAL) (1-1/4")
- ⑥ HOT APPLIED RUBBERIZED JOINT SEALER WHERE ASPHALT MEETS CURB FOLLOWING THE PLACEMENT OF SURFACE COURSE (INCIDENTAL TO ASPHALT PAVEMENT)
- ⑦ DO NOT DISTURB YARD AREA
- ⑧ EXISTING CURB (REMOVE AND REPLACE AS NEEDED, BY OTHERS)

TYPICAL PAVEMENT SECTION

N.T.S.

GUNPOWDER RIDGE, MEMORY LANE, WINSTON HILL, PLEASANT RIDGE



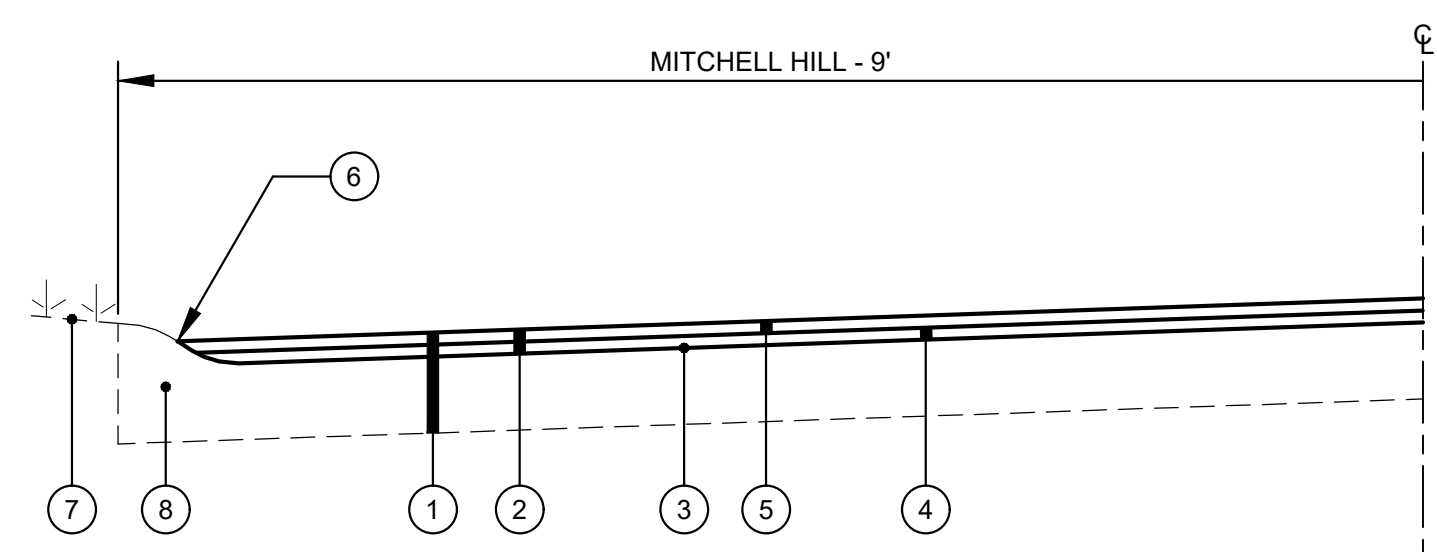
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- ② ITEM 408 - ASPHALT MILLING (2" ±) - (IF STREET HAS CONCRETE BASE, REMOVE TO EXISTING CONCRETE SURFACE)
- ③ ITEM 406 - TACK COAT @ 0.1 GAL/SY (INCIDENTAL TO ASPHALT PAVEMENT)
- ④ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT LEVELING COURSE (SCRATCH COAT) (3/4")
- ⑤ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT SURFACE WITH FIBER REINFORCEMENT (ACE FIBER OR APPROVED EQUAL) (1-1/4")
- ⑥ DO NOT DISTURB YARD AREA

TYPICAL PAVEMENT SECTION

N.T.S.

COVERT RUN PIKE



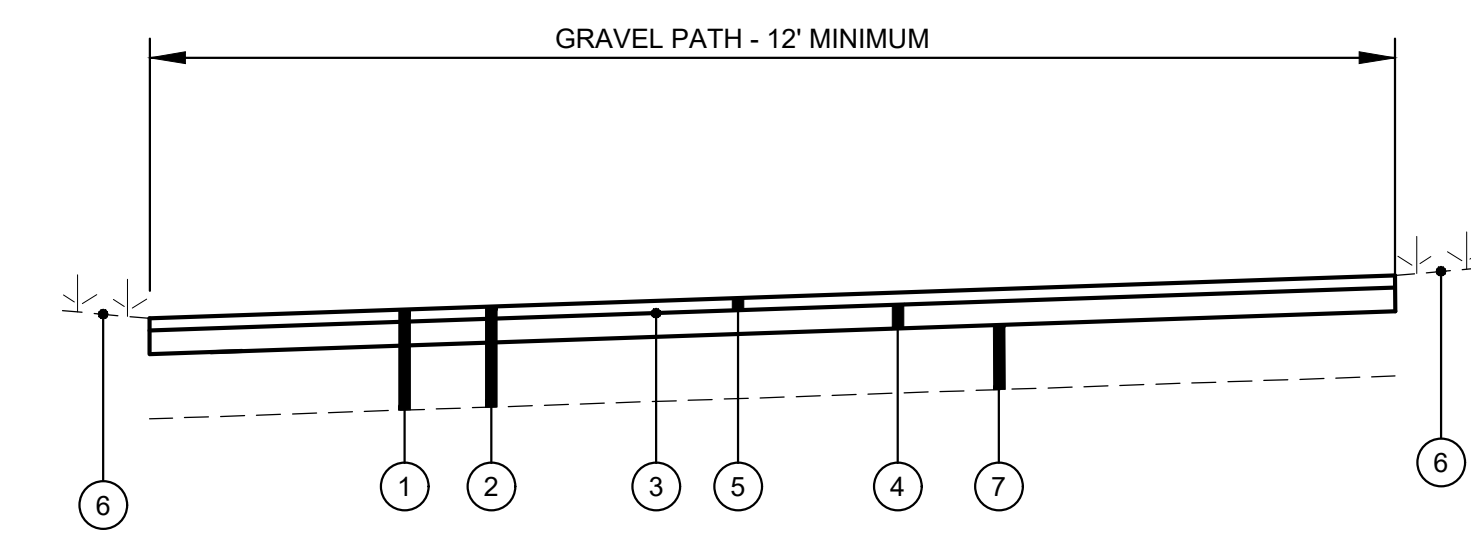
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- ① EXISTING PAVEMENT (CONCRETE OR ASPHALT) WITH ASPHALT OVERLAY
- ② ITEM 408 - ASPHALT MILLING (2" ±) - (IF STREET HAS CONCRETE BASE, REMOVE TO EXISTING CONCRETE SURFACE)
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- ⑤ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT SURFACE WITH FIBER REINFORCEMENT (ACE FIBER OR APPROVED EQUAL) (1-1/4")
- ⑥ HOT APPLIED RUBBERIZED JOINT SEALER WHERE ASPHALT MEETS CURB FOLLOWING THE PLACEMENT OF SURFACE COURSE (INCIDENTAL TO ASPHALT PAVEMENT)
- ⑦ DO NOT DISTURB YARD AREA
- ⑧ EXISTING CURB (REMOVE AND REPLACE AS NEEDED, BY OTHERS)

TYPICAL PAVEMENT SECTION - ALTERNATE A & B

N.T.S.

MITCHELL HILL



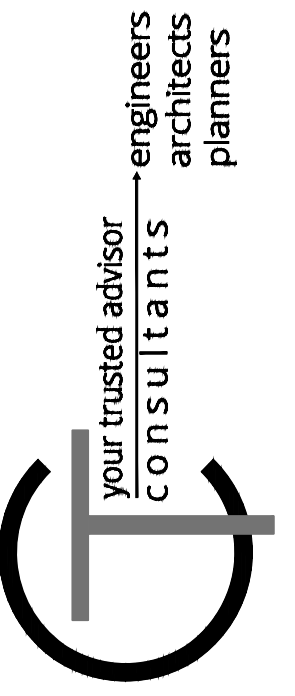
LEGEND

- ① EXISTING GRAVEL PAVEMENT
- ② CUT 11.5" (BY OTHERS)
- ③ ITEM 406 - TACK COAT @ 0.1 GAL/SY (INCIDENTAL TO ASPHALT PAVEMENT)
- ④ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT BASE COURSE (4")
- ⑤ ITEM 402/403 - BITUMINOUS ASPHALT PAVEMENT SURFACE WITH FIBER REINFORCEMENT (ACE FIBER OR APPROVED EQUAL) (1-1/2")
- ⑥ DO NOT DISTURB YARD AREA (RESTORATION AS NECESSARY, INCIDENTAL TO CONTRACT)
- ⑦ 6" STONE (BY OTHERS)

TYPICAL PAVEMENT SECTION - ALTERNATE C

N.T.S.

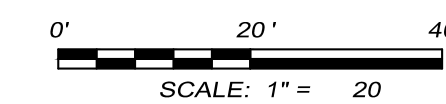
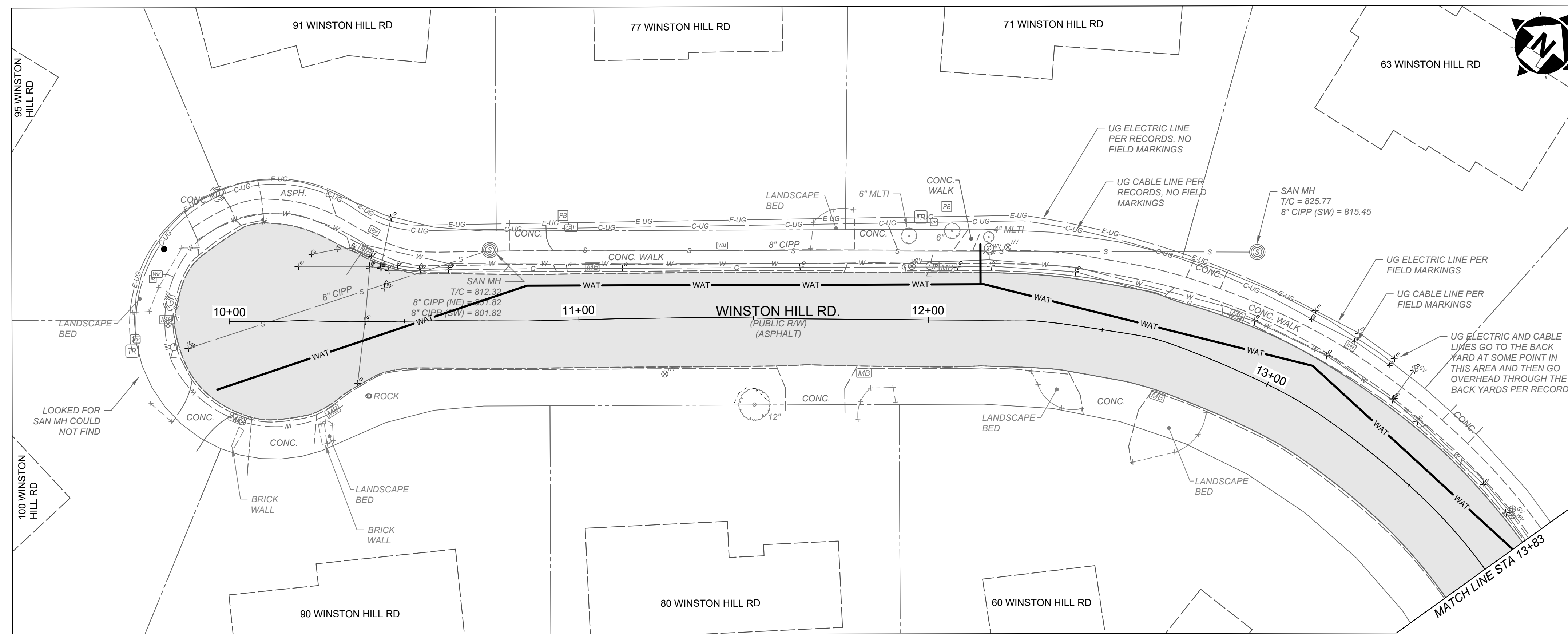
MITCHELL HILL



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ISSUE DATE:	04/11/2024		
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CHECKED BY:	RSEI		

FORT THOMAS 2024 STREET RESURFACING PROGRAM
CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY
DETAIL SHEET

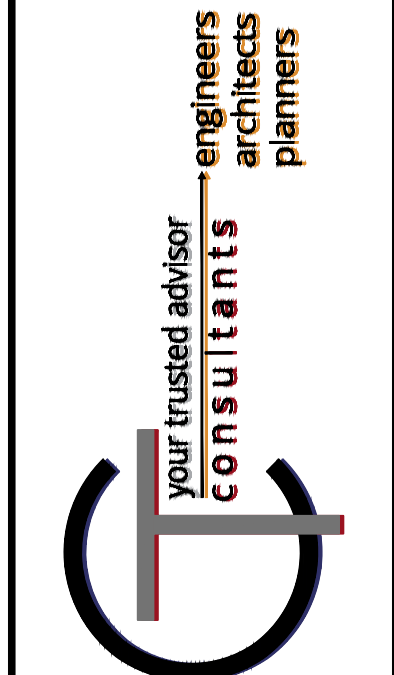
PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	DTL
SHEET	OF
3	15



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

- | NOTES | |
|-------|--|
| 1. | THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED. |
| 2. | ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS. |
| 3. | RESTORE ALL DOWNSPOUT LINES IN CURB. |
| 4. | FINAL PAVEMENT ELEVATION AT CURB LINE SHALL NOT EXCEED THE EXISTING ASPHALT ELEVATION AT CURB LINE. |

- | CONSTRUCTION NOTES | |
|--------------------|--|
| ① | ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS |
| ② | ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE) |
| ③ | ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE) |
| ④ | ITEM 713 - PAVEMENT MARKING - CENTERLINE |

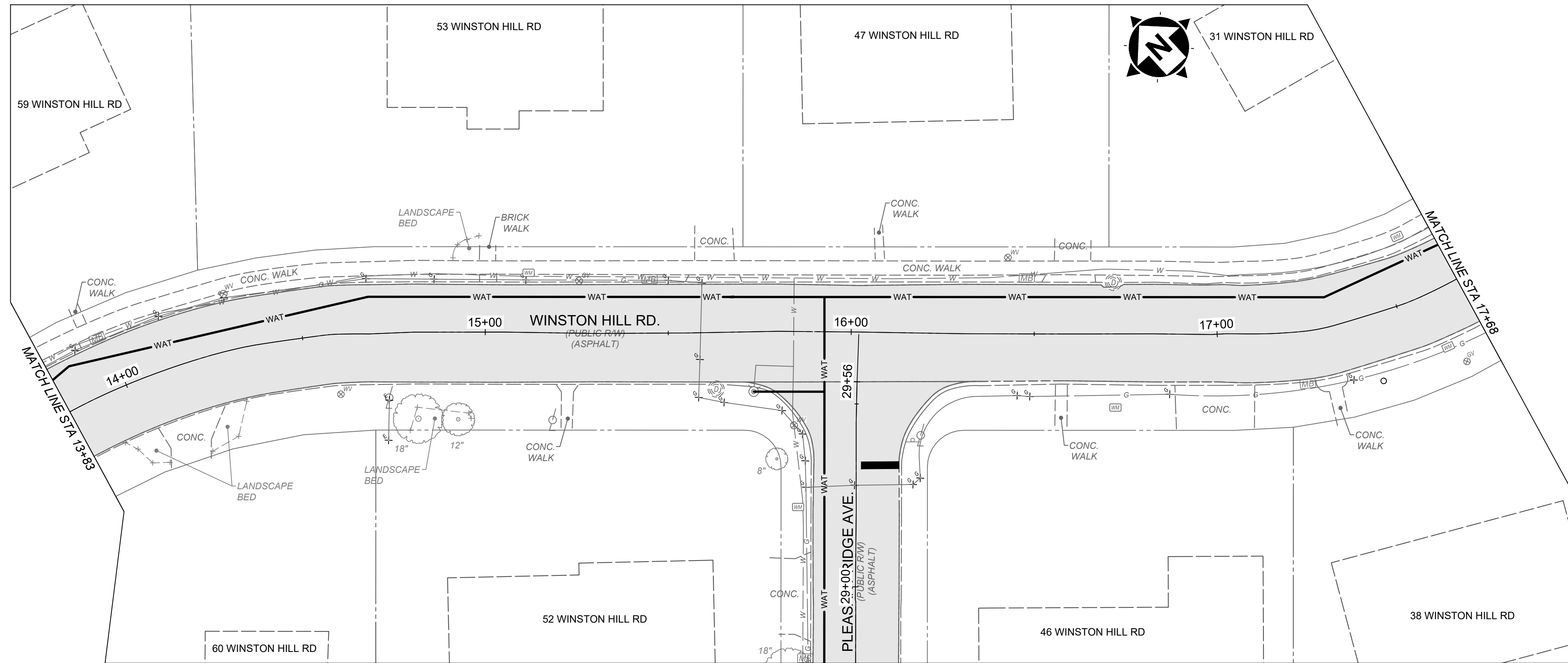


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FORT THOMAS 2024 STREET RESURFACING PROGRAM
CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY

WINSTON HILL ROAD
BEGIN WORK TO STA. 13+83

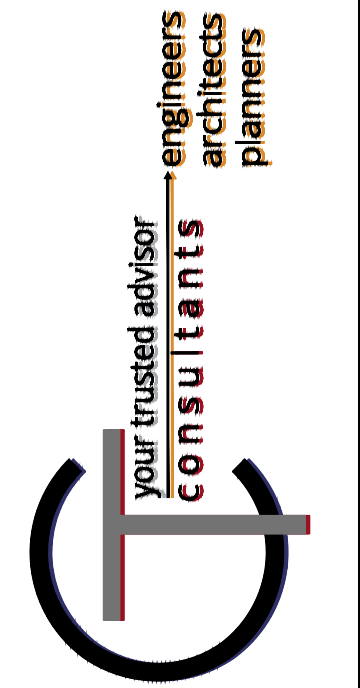
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DISCIPLINE	CIVIL
SHEET NAME	PLN 01
SHEET	OF
4	15



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

NOTES	
1.	THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED.
2.	ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS.
3.	RESTORE ALL DOWNSPOUT LINES IN CURB.
4.	FINAL PAVEMENT ELEVATION AT CURB LINE SHALL NOT EXCEED THE EXITING ASPHALT ELEVATION AT CURB LINE.

CONSTRUCTION NOTES	
①	ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS
②	ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE)
③	ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE)
④	ITEM 713 - PAVEMENT MARKING - CENTERLINE

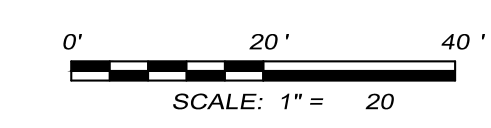
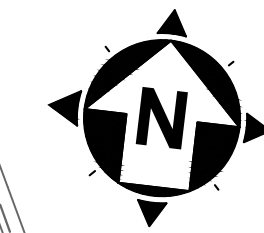
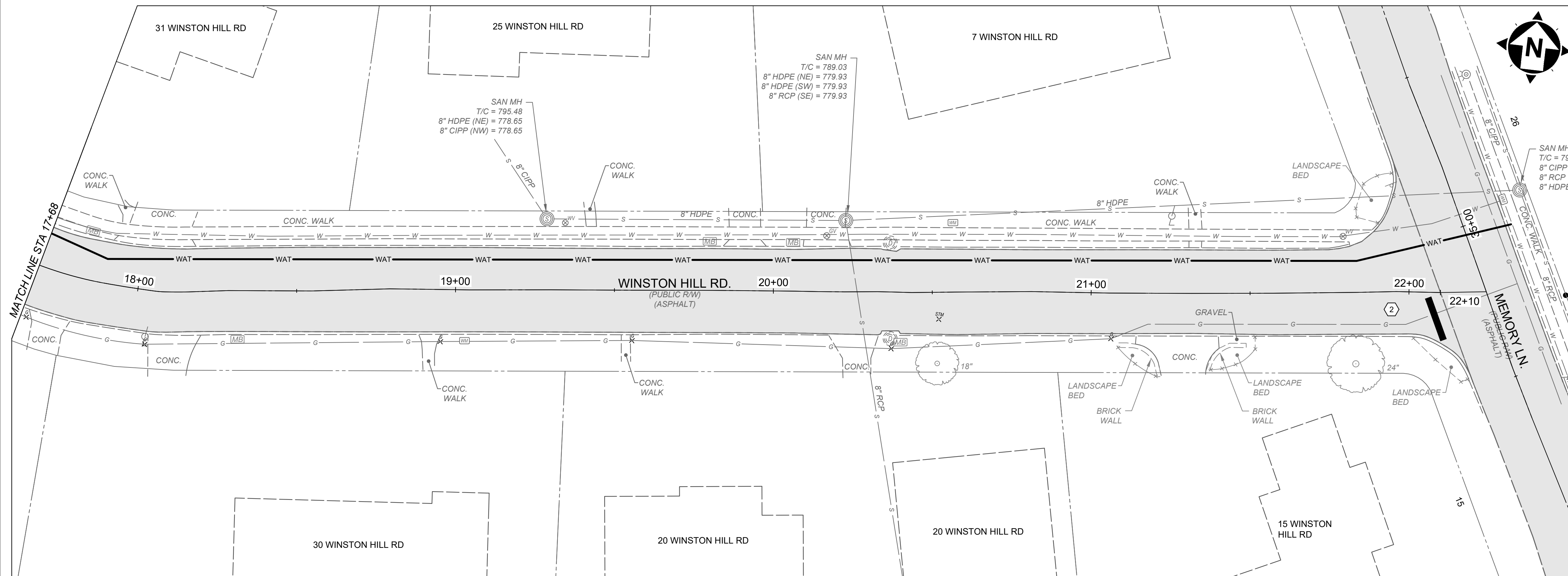



ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	04/11/2024		
SCALE:	1" = 40'		
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DRAWN BY:	HJUN		
CHECKED BY:	RSEI		

FORT THOMAS 2024 STREET RESURFACING PROGRAM
 CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY

WINSTON HILL ROAD
 STA. 13+83 TO STA. 17+68

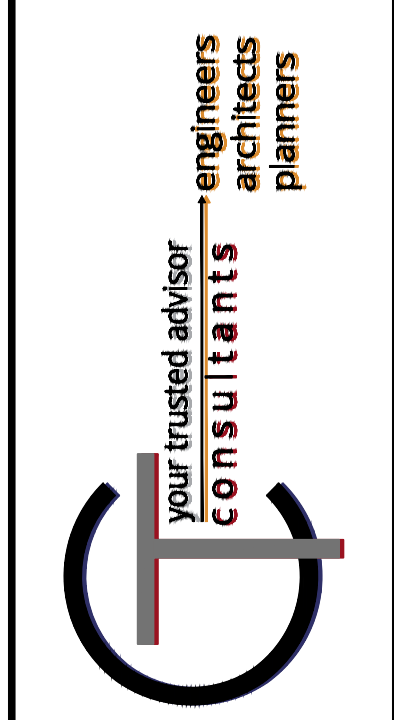
PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 02
SHEET	5
OF	15



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

- | NOTES | |
|-------|--|
| 1. | THE FINAL FULL DEPTH REPAIR AREAS WILL BE MARKED WHEN THE PLANING OPERATIONS HAVE BEEN COMPLETED. |
| 2. | ADJUSTMENTS TO VALVE BOXES, METERS OR OTHER ASSOCIATED GAS, ELECTRIC, TELEPHONE, WATER, OR CABLE FACILITIES, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE COMPLETED PER UTILITY OWNER REQUIREMENTS. |
| 3. | RESTORE ALL DOWNSPOUT LINES IN CURB. |
| 4. | FINAL PAVEMENT ELEVATION AT CURB LINE SHALL NOT EXCEED THE EXISTING ASPHALT ELEVATION AT CURB LINE. |

- | CONSTRUCTION NOTES | |
|--------------------|--|
| ① | ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS |
| ② | ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE) |
| ③ | ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE) |
| ④ | ITEM 713 - PAVEMENT MARKING - CENTERLINE |

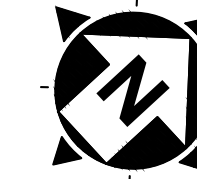


ISSUED FOR:	BID NO.	REVISION	DATE
CITY OF FORT THOMAS	04/11/2024		
CAMPBELL COUNTY, KENTUCKY			
DESIGNED BY:	SCALE: 1" = 40'		
DRAWN BY:	HICUN		
CHECKED BY:	HICUN		
	RSEI		

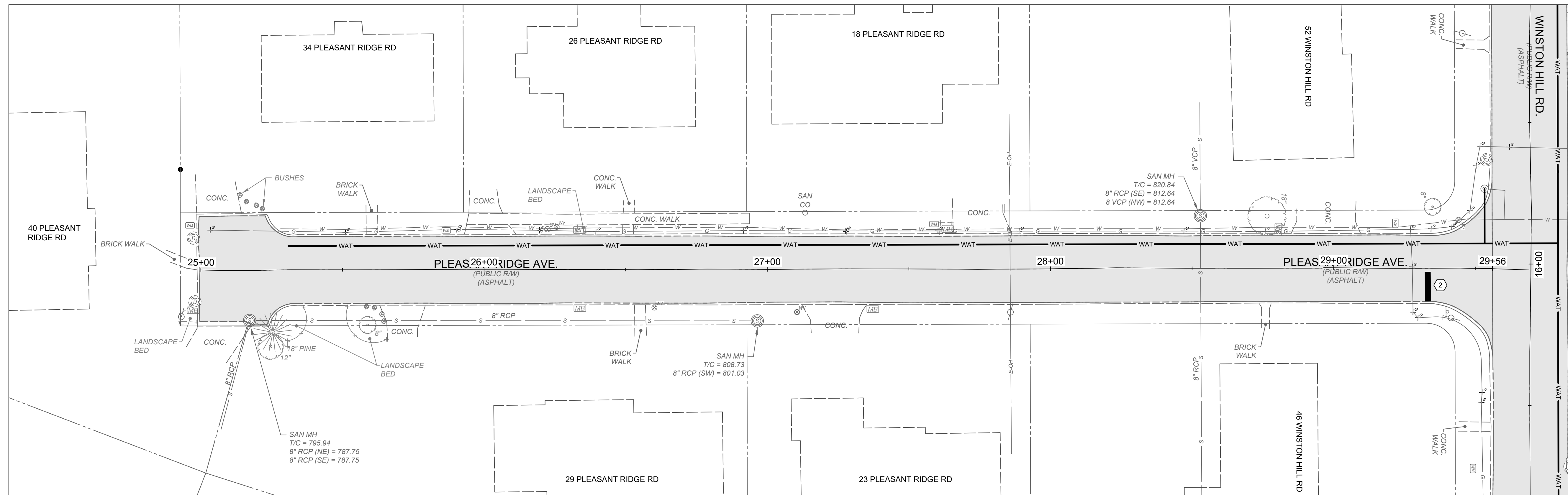
FORT THOMAS 2024 STREET RESURFACING PROGRAM
CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY

WINSTON HILL ROAD
STA. 17+68 TO END WORK

PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 03
SHEET	6
OF	15



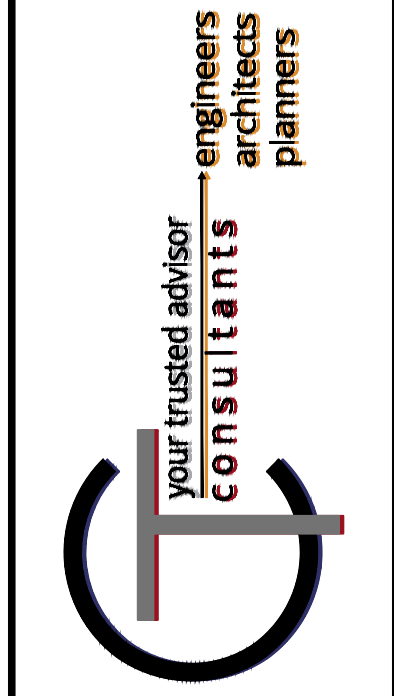
0' 20' 40'
SCALE: 1" = 20'



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

- | NOTES | |
|-------|--|
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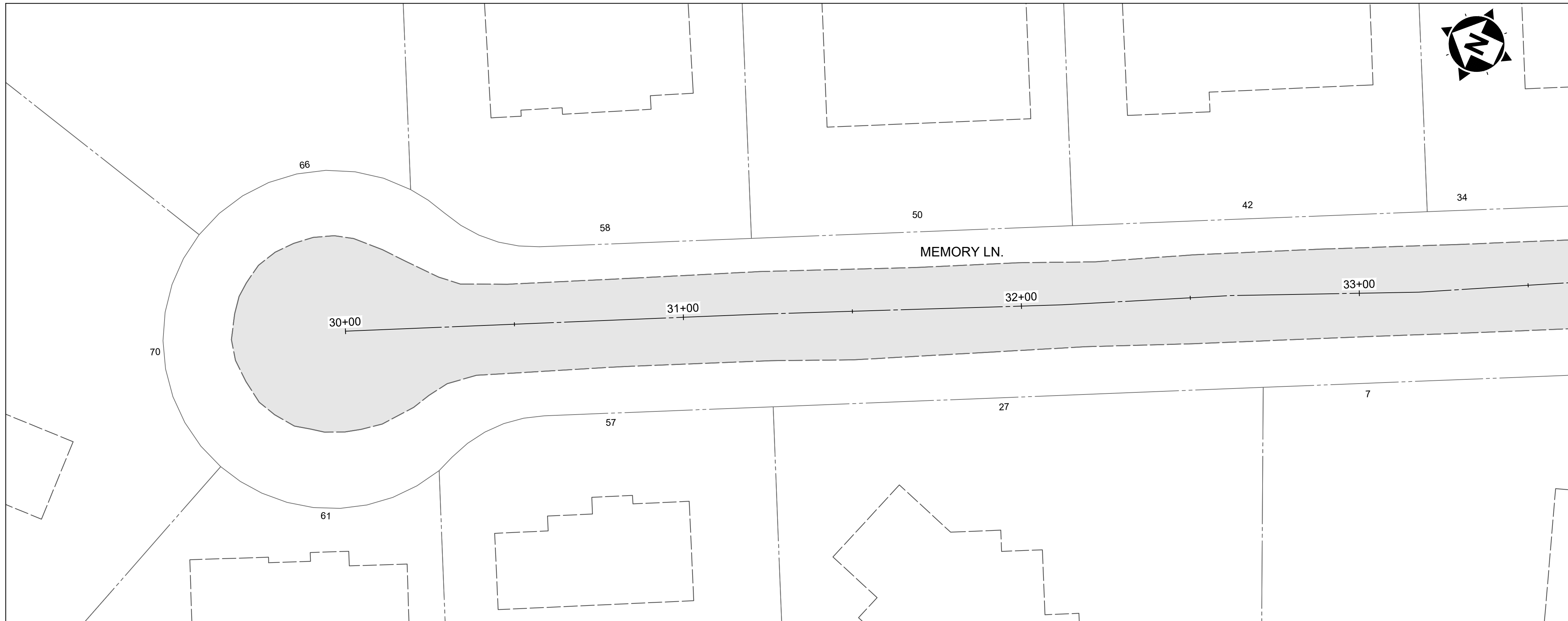
- | CONSTRUCTION NOTES | |
|--------------------|--|
| ① | ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS |
| ② | ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE) |
| ③ | ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE) |
| ④ | ITEM 713 - PAVEMENT MARKING - CENTERLINE |



ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 04/11/2024	04/11/2024		
SCALE: 1" = 40'	HCUN		
DESIGNED BY: HCUN	HCUN		
DRAWN BY: HCUN	RSEI		
CHECKED BY:			

FORT THOMAS 2024 STREET RESURFACING PROGRAM
CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY
PLEASANT RIDGE AVE
BEGIN WORK TO END WORK

PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 04
SHEET	7
OF	15



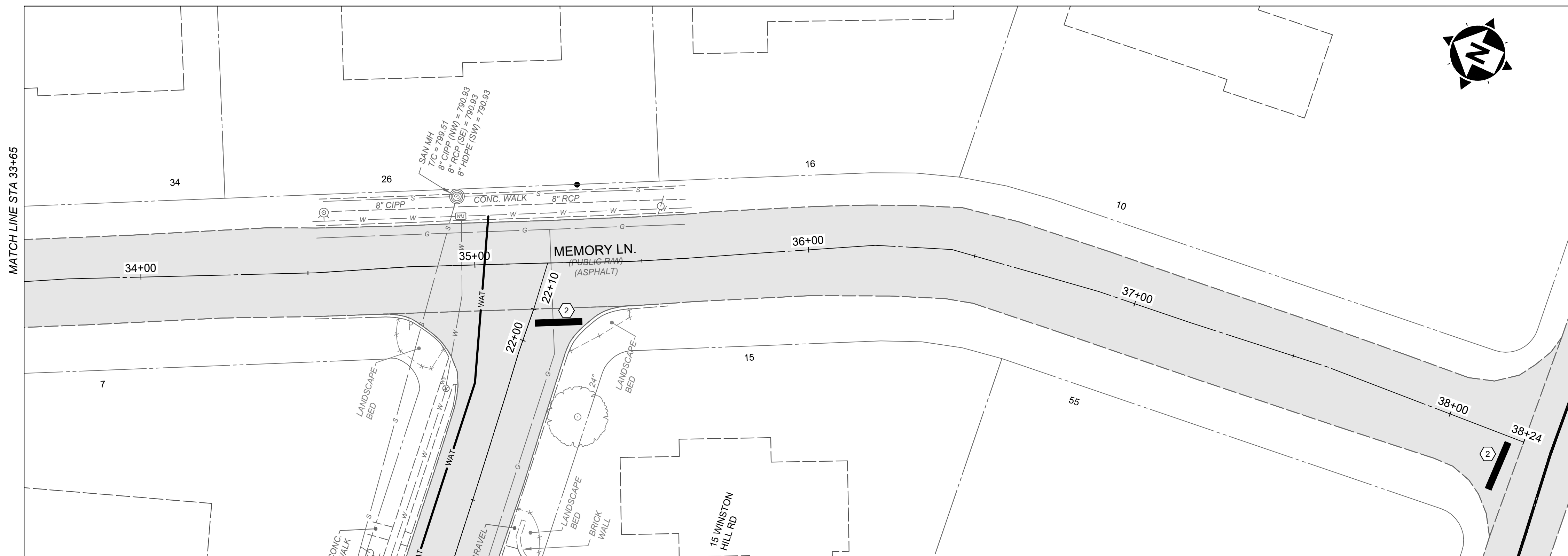
MATCH LINE STA 33+65



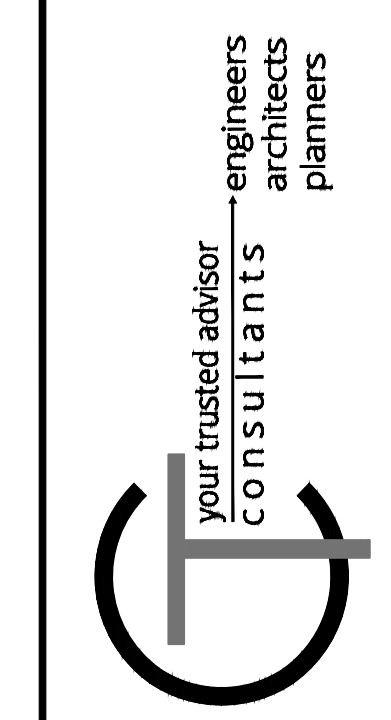
HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

NOTES	
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3.	RESTORE ALL DOWNSPOUT LINES IN CURB.
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CONSTRUCTION NOTES	
①	ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS
②	ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE)
③	ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE)
④	ITEM 713 - PAVEMENT MARKING - CENTERLINE



MATCH LINE STA 33+65

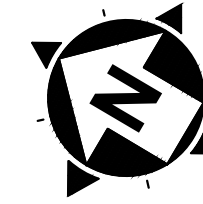


ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	04/11/2024		
SCALE:	1" = 40'	HCUN	
DESIGNED BY:		HCUN	
DRAWN BY:			
CHECKED BY:			

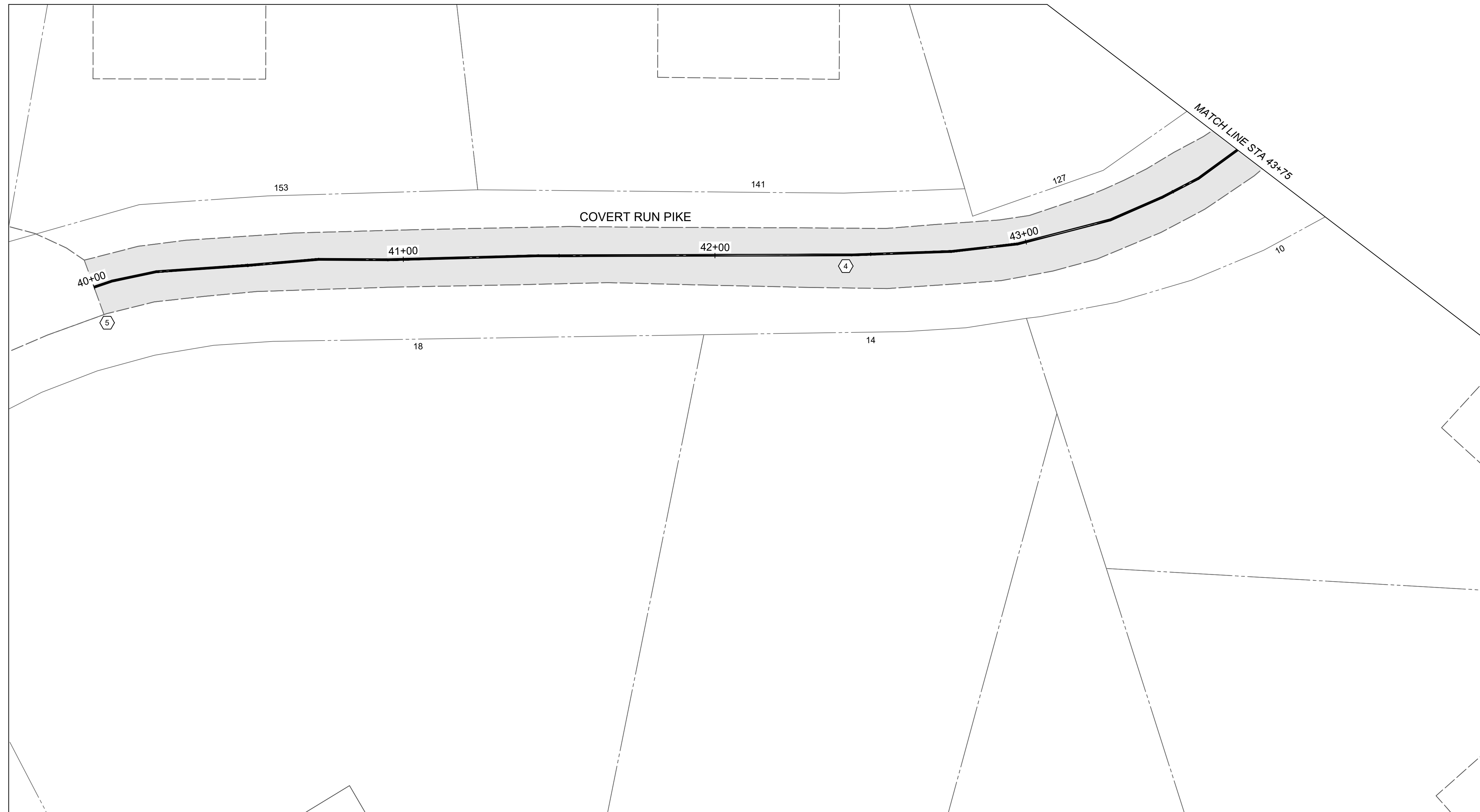
FORT THOMAS 2024 STREET RESURFACING PROGRAM
CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY

MEMORY LANE
BEGIN WORK TO END WORK


PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 05
SHEET	8
OF	15



0' 20' 40'
SCALE: 1" = 20'



HATCH LEGEND

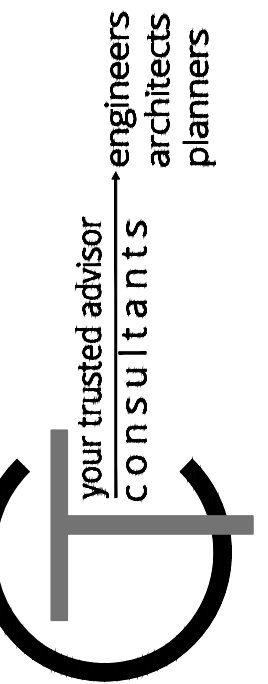
 2" ASPHALT MILL AND OVERLAY

NOTES

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3. RESTORE ALL DOWNSPOUT LINES IN CURB.
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CONSTRUCTION NOTES

- 1 ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS
- 2 ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE)
- 3 ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE)
- 4 ITEM 713 - PAVEMENT MARKING - DOUBLE YELLOW CENTERLINE
- 5 COOP LINE. FINAL LOCATION TO BE MARKED IN THE FIELD.
- 6 ITEM SPL - FLEXAMAT SLOPE STABILIZATION. INCLUDES ANY CLEARING & GRUBBING & EXCAVATION.

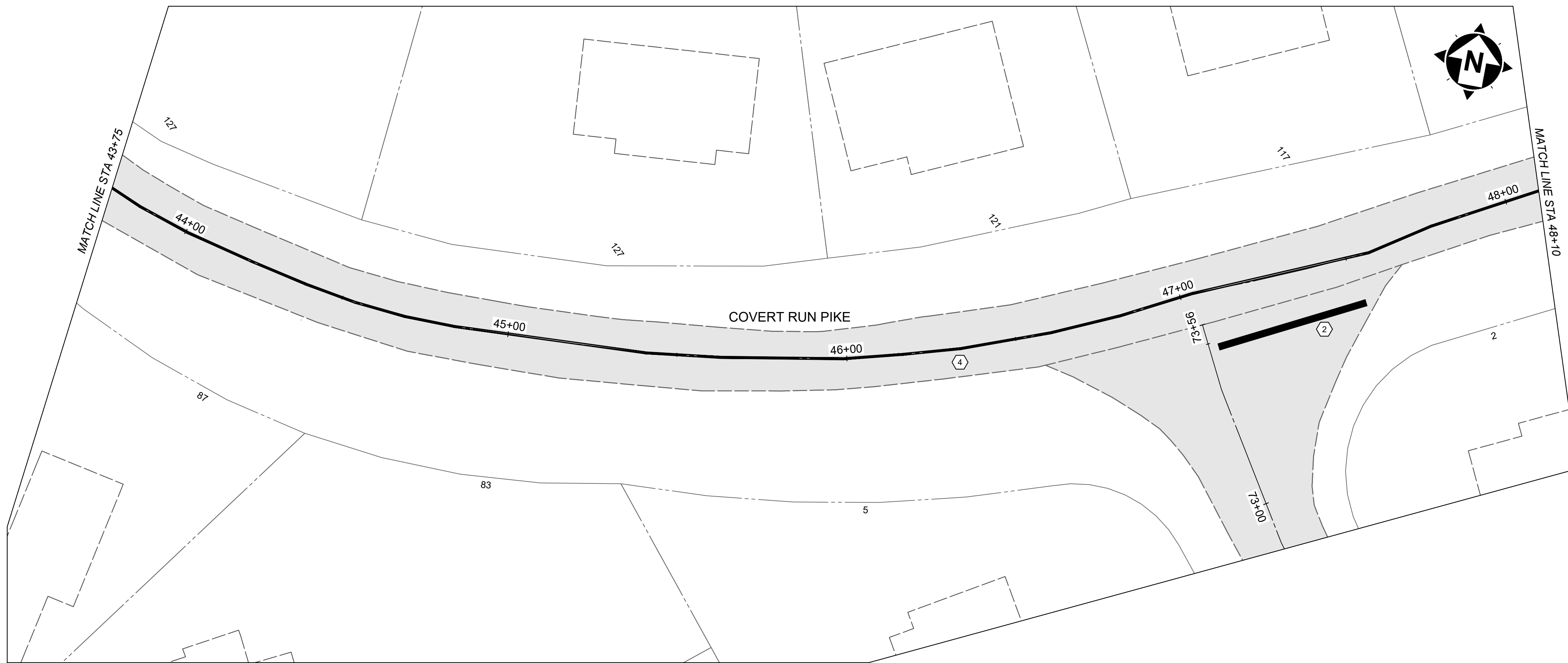


ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	04/11/2024		
SCALE:	1" = 40'		
DESIGNED BY:	HCUN		
DRAWN BY:	HCUN		
CHECKED BY:	RSEI		

**FORT THOMAS 2024 STREET
RESURFACING PROGRAM**
CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY

**COVERT RUN PIKE
BEGIN WORK TO STA. 43+75**

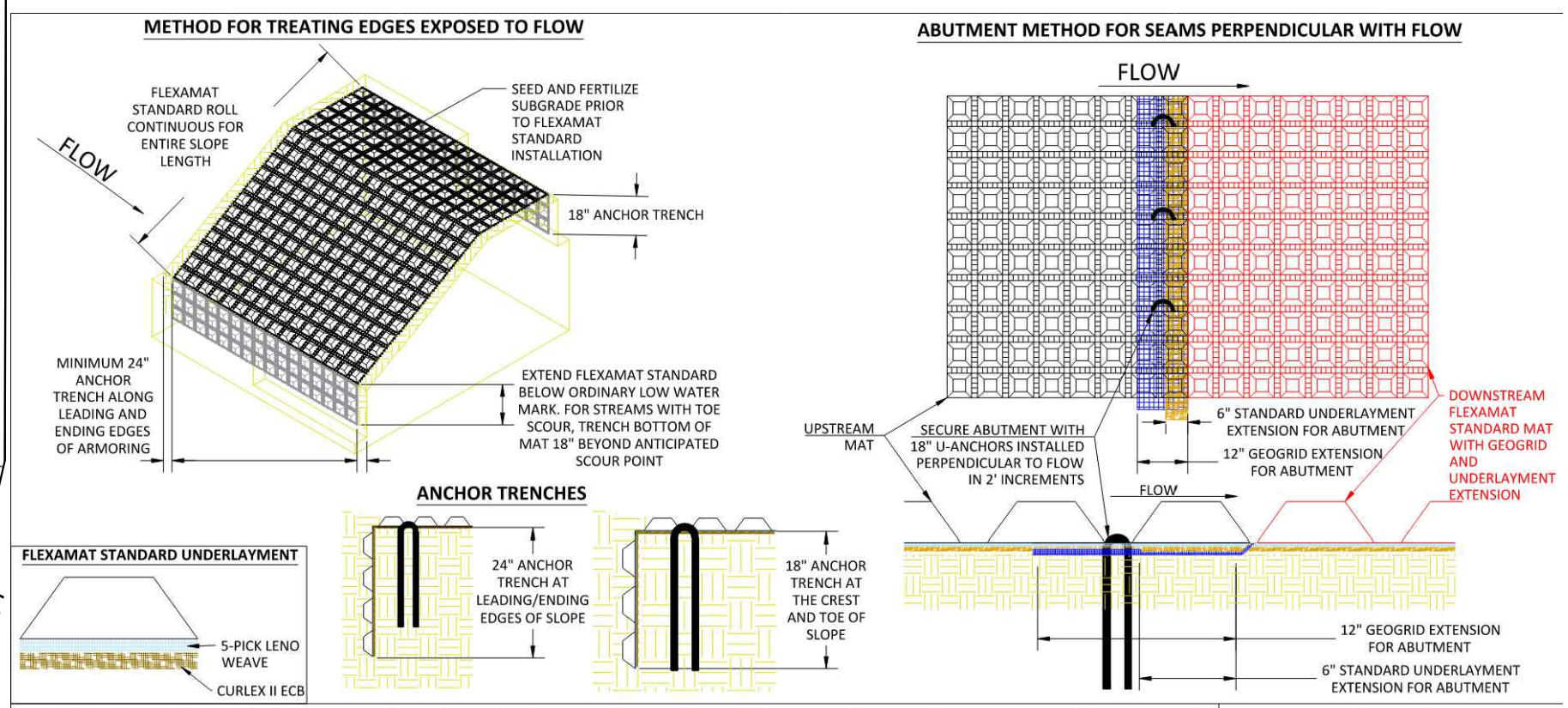
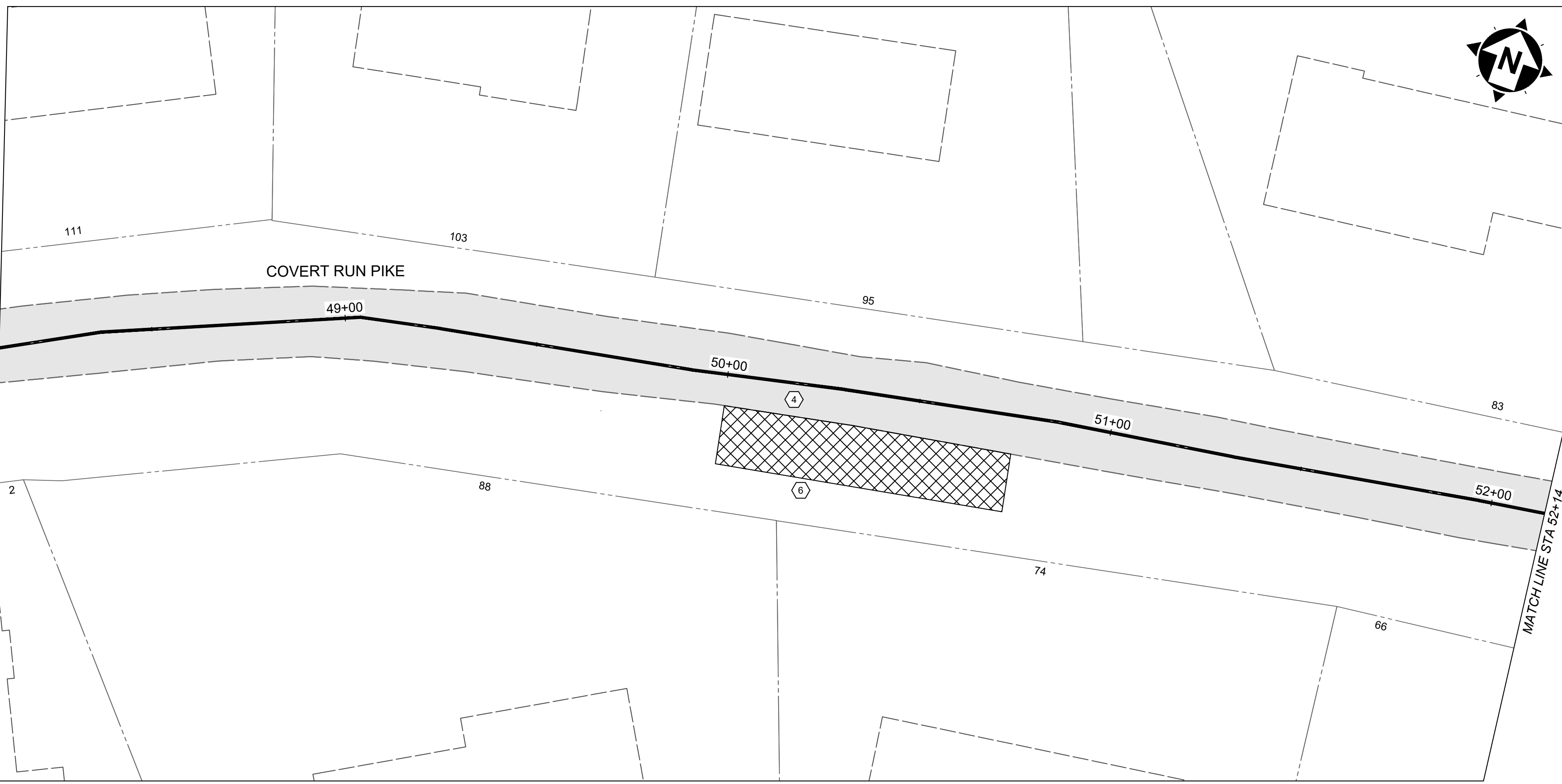
PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 06
SHEET	9
OF	15



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

NOTES	
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3.	RESTORE ALL DOWNSPOUT LINES IN CURB.
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CONSTRUCTION NOTES	
①	ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS
②	ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE)
③	ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE)
④	ITEM 713 - PAVEMENT MARKING - DOUBLE YELLOW CENTERLINE
⑤	COOP LINE. FINAL LOCATION TO BE MARKED IN THE FIELD.
⑥	ITEM SPL - FLEXAMAT SLOPE STABILIZATION. INCLUDES ANY CLEARING & GRUBBING & EXCAVATION.



FLEXAMAT STANDARD - STREAM AND RIVERBANK MAT LAYOUT PERPENDICULAR WITH FLOW

CONSTRUCTION NOTES:

- AN ENGINEER OR MANUFACTURERS REPRESENTATIVE SHALL BE ON SITE FOR THE START OF THE INSTALLATION.
- THE STREAM OR RIVERBANK MUST BE STABLE, UNIFORM GRADES, FREE OF ROCKS, ROOTS, AND OTHER DEBRIS.
- PRIOR TO THE FLEXAMAT STANDARD INSTALLATION SEED AND FERTILIZER THE SUBGRADE WITH A SITE SPECIFIC SEED MIX, INCLUDING NATIVE GRASSES, IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
- FLEXAMAT STANDARD SHALL BE CONTINUOUS THE ENTIRE LENGTH OF SLOPE. FOR SLOPES LESS THAN 16° (INCLUDING ANCHOR TRENCHES) SEE STREAM AND RIVERBANK MAT LAYOUT PARALLEL TO FLOW.
- INSTALL 15.5' WIDE MATS PERPENDICULAR TO FLOW. ROLLS CAN BE PROVIDED IN CUSTOM LENGTHS IN 1' INCREMENTS.
- FLEXAMAT STANDARD INSTALLATION WILL START AT THE DOWNSTREAM END OF THE INSTALLATION AREA AND MOVE TOWARDS THE UPSTREAM END OF THE INSTALLATION.
 - THE INITIAL LEADING AND ENDING EDGES OF FLEXAMAT SHALL BE EMBEDDED 24" VERTICALLY BEYOND THE ANTICIPATED SCOUR POINT. THE ANCHOR TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL OR OTHER (AS SPECIFIED BY EOR).
 - FOR ADDITIONAL SECTIONS OF MAT, THE UPSTREAM MAT SHALL BE INSTALLED OVER THE 12" GEOGRID AND 6" STANDARD UNDERLAYMENT EXTENSIONS OF THE DOWNSTREAM MATS. ENSURE THE GEOGRID AND STANDARD UNDERLAYMENT EXTENSIONS ARE LAYING FLAT ON THE SUBGRADE BEFORE INSTALLING UPSTREAM MAT OVER THE EXTENSIONS.
- INSTALL 18" REAR 18" ANCHORS IN 2' INCREMENTS ACROSS THE GEOGRID AND STANDARD UNDERLAYMENT EXTENSION ABUTMENT. INSTALL ANCHORS PERPENDICULAR TO THE FLOW DIRECTLY BEHIND FIRST ROW OF BLOCKS ON THE UPSTREAM MAT.
 - AT THE END TOE OF THE ARMORED STREAM BANK, EMBED THE MAT 24" PAST THE ANTICIPATED SCOUR POINT IN A 24" VERTICAL ANCHOR TRENCH. THE ANCHOR TRENCH SHALL EXTEND 24" PAST THE ANTICIPATED SCOUR POINT. TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL (AS SPECIFIED BY EOR).

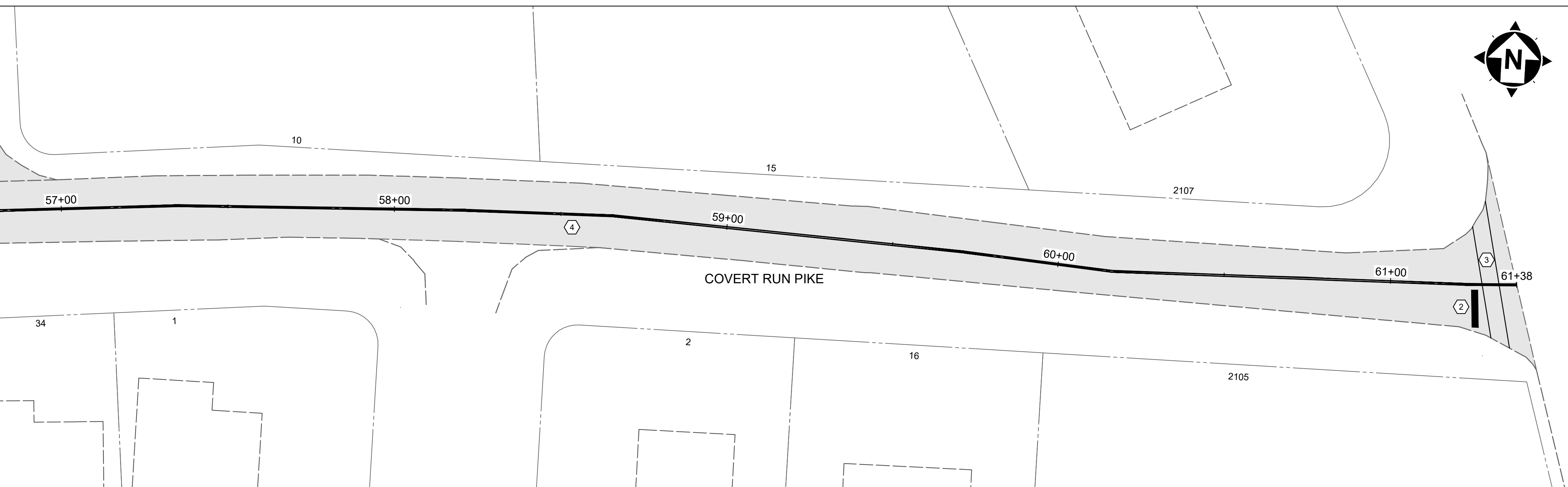
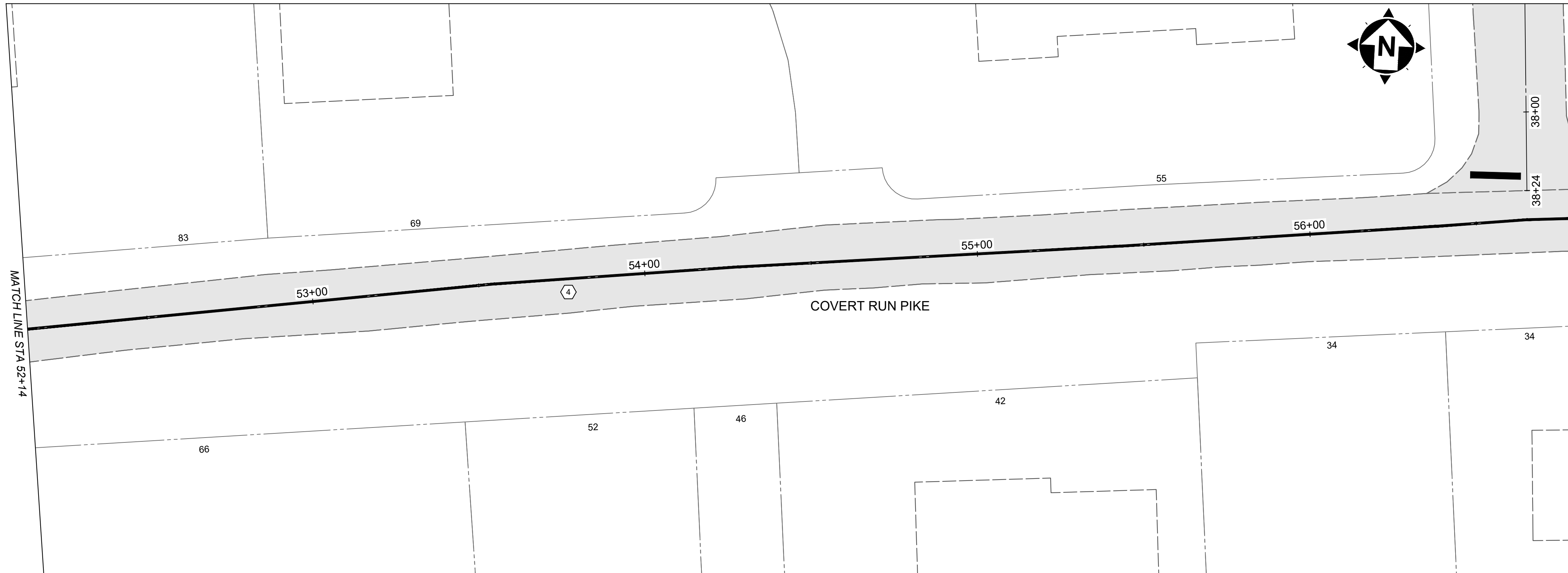
MOTZ ENTERPRISES, INC.
 Flexamat
 (513) 772-6689
 Info@Flexamat.com
 Flexamat.com

your trusted advisor
consultants
 engineers
 architects
 planners

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		04/11/2024	1" = 40'	HCUN	HCUN	RSEI

FORT THOMAS 2024 STREET RESURFACING PROGRAM
 CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY
COVERT RUN PIKE STA. 43+75 TO STA. 52+14

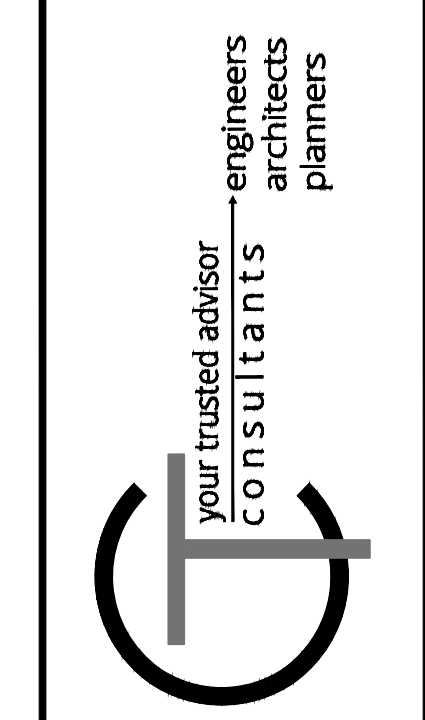
PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 07
SHEET	OF
10	15



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

- | NOTES | |
|-------|--|
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| 3. | RESTORE ALL DOWNSPOUT LINES IN CURB. |
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- | CONSTRUCTION NOTES | |
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| ① | ITEM SPL - SANITARY MANHOLE ADJUSTED TO GRADE, PER SD1 REGULATIONS |
| ② | ITEM 713 - PAVEMENT MARKING - STOP BAR (24" WHITE) |
| ③ | ITEM 713 - PAVEMENT MARKING - CROSSWALK (8" WHITE) |
| ④ | ITEM 713 - PAVEMENT MARKING - DOUBLE YELLOW CENTERLINE |
| ⑤ | COOP LINE. FINAL LOCATION TO BE MARKED IN THE FIELD. |
| ⑥ | ITEM SPL - FLEXAMAT SLOPE STABILIZATION. INCLUDES ANY CLEARING & GRUBBING & EXCAVATION. |




ISSUED FOR:	BID NO:	REVISION	DATE
ISSUE DATE:	04/11/2024		
SCALE:	1" = 40'		
DESIGNED BY:	HJUN		
DRAWN BY:	HJUN		
CHECKED BY:	RSEI		

FORT THOMAS 2024 STREET RESURFACING PROGRAM
 CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY
COVERT RUN PIKE STA. 52+14 TO END WORK

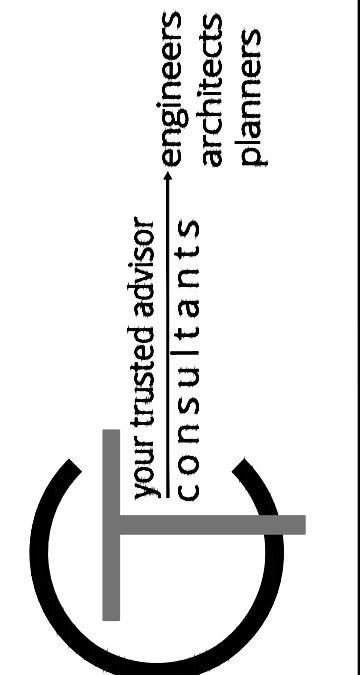
PROJECT NO.	
240102	
DISCIPLINE	
CIVIL	
SHEET NAME	
PLN 08	
SHEET	OF
11	15



HATCH LEGEND	
	2" ASPHALT MILL AND OVERLAY

- | NOTES | |
|-------|--|
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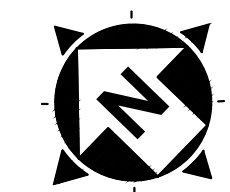
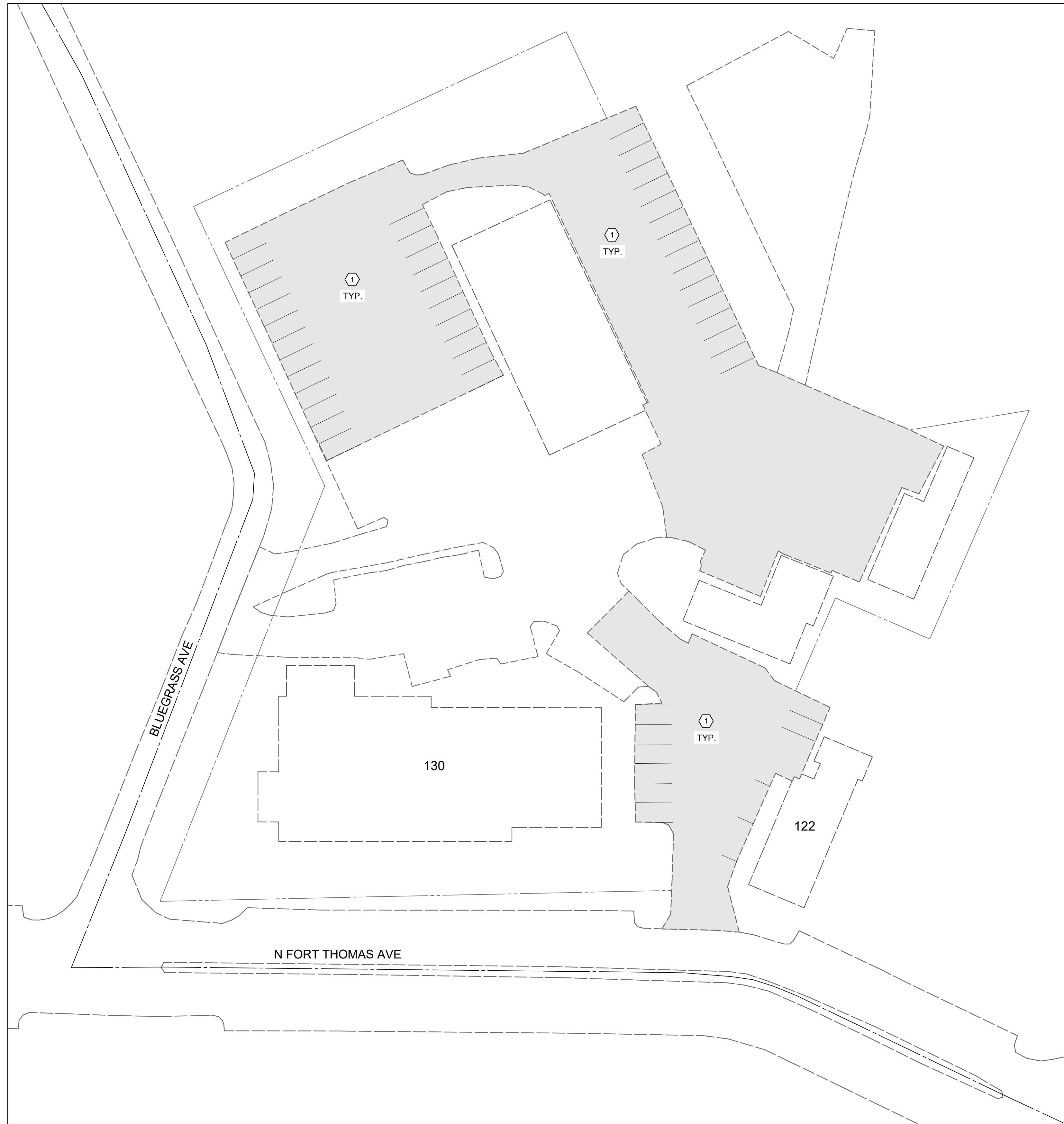


ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE: 04/11/2024			
SCALE: 1" = 40'			
DESIGNED BY: HCLIN			
DRAWN BY: HCLIN			
CHECKED BY: RSEI			

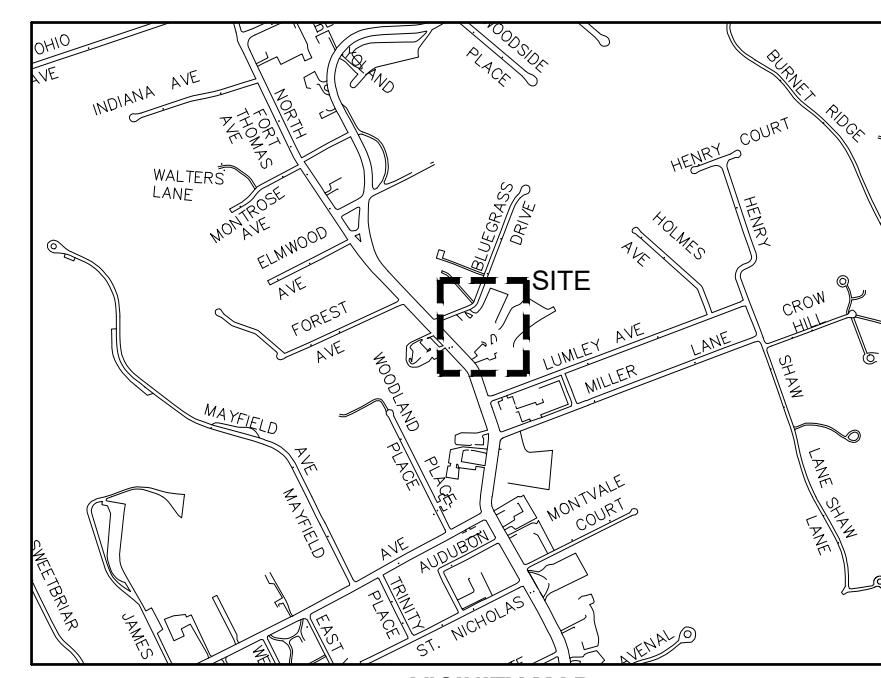
**FORT THOMAS 2024 STREET
RESURFACING PROGRAM
CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY**

**GUNPOWDER RIDGE
BEGIN WORK TO END WORK**

PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	PLN 09
SHEET	OF
12	15

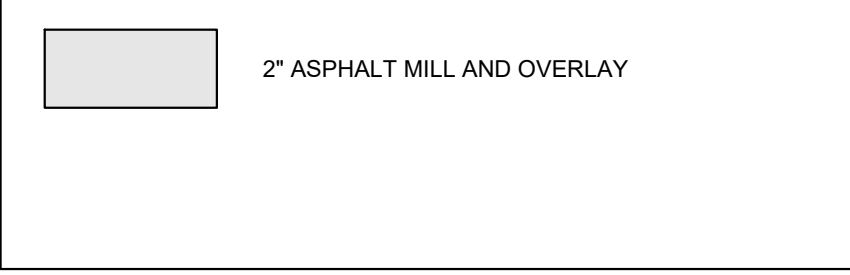


0' 30' 60'
SCALE: 1" = 30'



VICINITY MAP

HATCH LEGEND

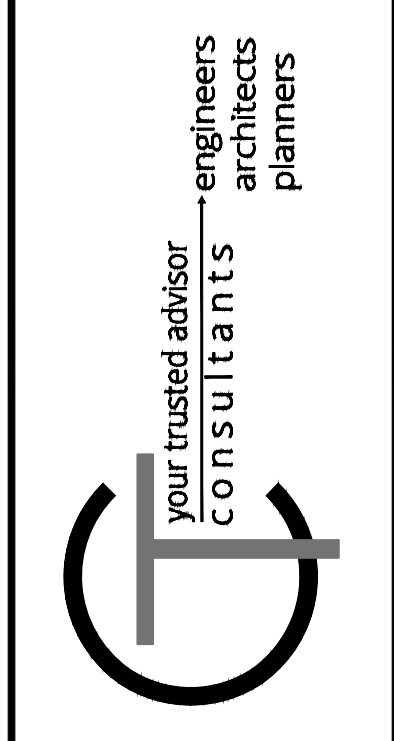


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CONSTRUCTION NOTES

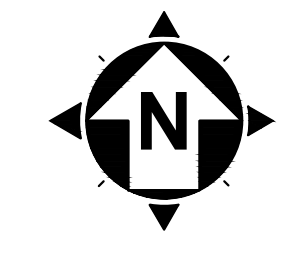
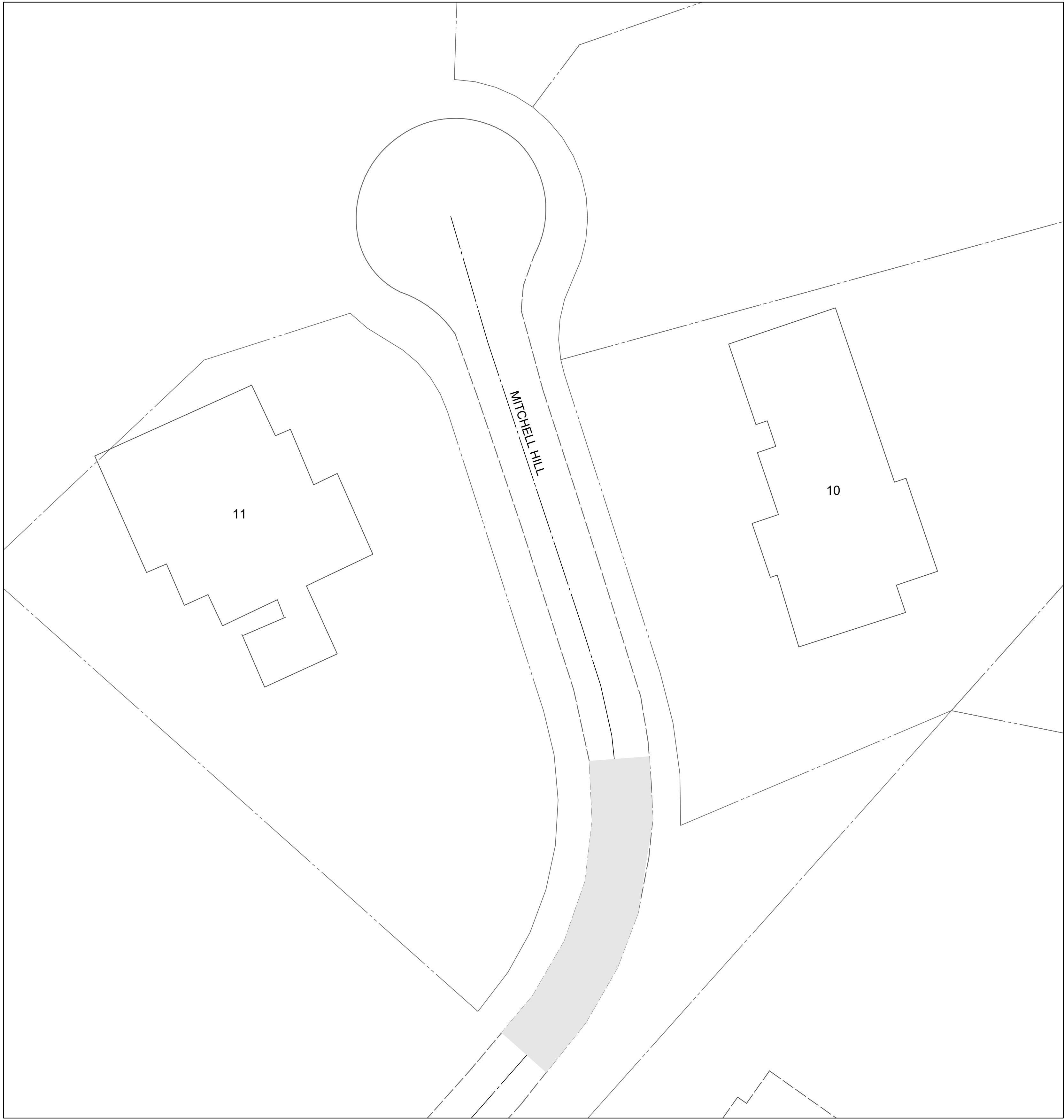
- 1 ITEM 713 - 4" WHITE STRIPE (2 COATS)



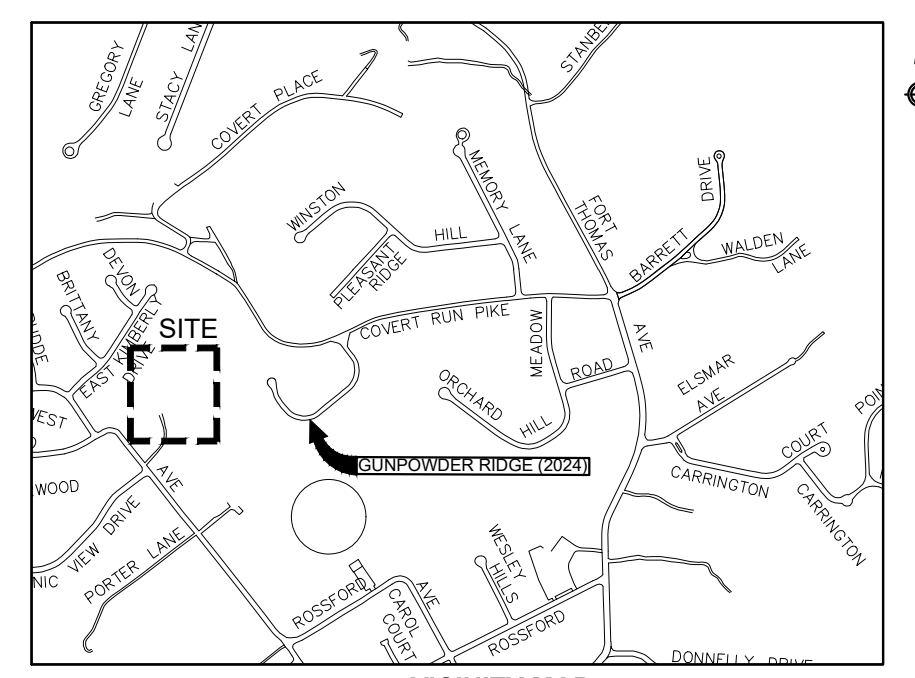
ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	04/11/2024		
SCALE:	1" = 40'		
DESIGNED BY:	HCUN		
DRAWN BY:	HCUN		
CHECKED BY:	RSEI		

FORT THOMAS 2024 STREET RESURFACING PROGRAM
 CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY
ALTERNATE BID A
FT. THOMAS CITY BUILDING LOT

PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	ALT A
SHEET	13
OF	15

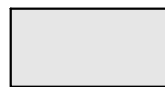


0' 20' 40'
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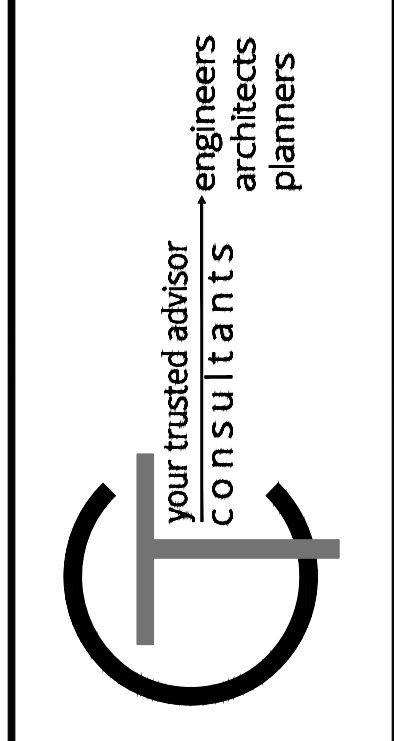
VICINITY MAP

HATCH LEGEND

	2" ASPHALT MILL AND OVERLAY
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NOTES

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ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:	04/11/2024		
SCALE:	1" = 40'		
DESIGNED BY:	HCUIN		
DRAWN BY:	HCUIN		
CHECKED BY:	RSEI		

FORT THOMAS 2024 STREET RESURFACING PROGRAM
CITY OF FORT THOMAS
 CAMPBELL COUNTY, KENTUCKY
ALTERNATE BID B
MITCHELL HILL RESURFACING

PROJECT NO.	240102
DISCIPLINE	CIVIL
SHEET NAME	ALT B
SHEET	OF
14	15

