

CITY OF FORT MITCHELL

KENTON COUNTY, KENTUCKY

PARK ROAD IMPROVEMENTS

242373

CITY OF FORT MITCHELL OFFICIALS

MAYOR
GREG POHLGEERS

CITY ADMINISTRATOR
EDWIN KING

CITY CLERK
AMY GUENTHER

CITY COUNCIL MEMBERS

JARED ARLINGHAUS
VICKI BOERGER
JERRY DEATHERAGE
JEFF DIETRICH
KIM NACHAZEL
ALYSON ROEDING

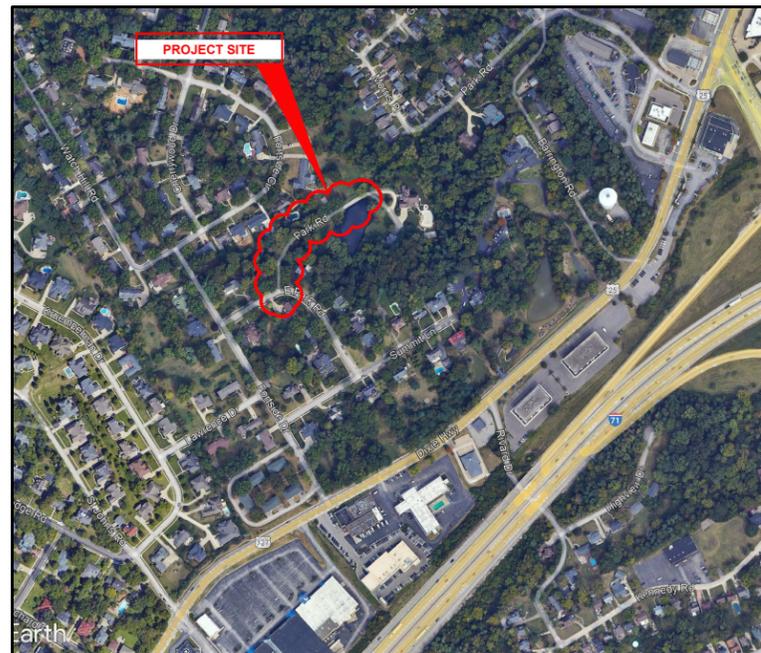
CITY ATTORNEY
OLIVIA AMLUNG

PUBLIC WORKS DIRECTOR
NICK TEWES

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VICINITY MAP

K.T.C SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF THE KENTUCKY TRANSPORTATION CABINET, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS THERETO AND CITY OF FORT MITCHELL ENGINEERING DEPARTMENT REQUIREMENTS SHALL GOVERN THIS IMPROVEMENT.

SOURCE OF BOUNDARY INFORMATION

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



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PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

TITLE SHEET

PROJECT NO.	
242373	
DISCIPLINE	
CIVIL	
SHEET NAME	
TTL	
SHEET	OF
1	10

JIM SHUMATE

P.E. #18156

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE KENTON COUNTY 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 SHALL BE COMPLETE NO LATER THAN JUNE 15, 2026.**
- DOWNSPOUT AND UNDERDRAIN CONSTRUCTION SHALL MEET THESE AND THE LATEST SPECIFICATION OF THE KENTON COUNTY 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 KENTON 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 MITCHELL.
- 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 KENTON COUNTY AND THE CITY OF FORT MITCHELL PERMITS HAVE BEEN ISSUED AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF FORT MITCHELL. 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 IF APPLICABLE 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 CONFLICTS.
- 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 MITCHELL AND THE FORT MITCHELL POLICE DEPARTMENT. 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)

SF PROPOSED SILT FENCE

HATCH LEGEND

PROPOSED MILL AND OVERLAY STA. 10+33.85 TO STA. 14.11+57 SEE RESURFACING TYPICAL SECTION SHEET 6

PROPOSED PAVEMENT RECONSTRUCTION STA. 14+11.57 TO STA. 15+90.75 SEE "DRIVEWAY RECONSTRUCTION PAVEMENT SECTION" SHEET 7

REMOVE TOP EXISTING STONE WALL - TOP 2' ± WALL TO MAKE FLUSH WITH ROADWAY

RIPRAP - SEE "PROPOSED IMPROVEMENTS" DETAIL SHEET 9

SYMBOL LEGEND

EXISTING GAS LINE
EXISTING GAS SERVICE
EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
EXISTING CABLE (UNDERGROUND / OVERHEAD)
EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
EXISTING WATER MAIN
EXISTING WATER SERVICE
EXISTING STORM SEWER
EXISTING ROOF DRAIN
EXISTING SANITARY SEWER
EXISTING SANITARY FORCE MAIN
EXISTING FIBER OPTICS
EXISTING FENCE
EXISTING CONTOURS (MAJOR)
EXISTING CONTOURS (MINOR)
EXISTING RIGHT OF WAY
EXISTING PROPERTY LINE
EXISTING EASEMENT
EXISTING GUARDRAIL
EXISTING TREE LINE

PROPOSED GAS LINE
PROPOSED GAS SERVICE
EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
PROPOSED CABLE (UNDERGROUND / OVERHEAD)
PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
PROPOSED WATER MAIN
PROPOSED WATER SERVICE
PROPOSED STORM SEWER
PROPOSED UNDERDRAIN
PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO
PROPOSED SANITARY SEWER
PROPOSED SANITARY FORCE MAIN
PROPOSED FIBER OPTICS
PROPOSED FENCE
PROPOSED CONTOURS (MAJOR)
PROPOSED CONTOURS (MINOR)
PROPOSED RIGHT OF WAY
PROPOSED PROPERTY LINE
PROPOSED EASEMENT
PROPOSED GUARDRAIL
PROPOSED 6" CONCRETE VERTICAL CURB
PROPOSED TREE LINE / CLEARING LIMITS
PROPOSED DISTURBED LIMITS

EXISTING FLAGPOLE
EXISTING MAILBOX
EXISTING SIGN
EXISTING CABLE PEDESTAL
EXISTING ELECTRIC PEDESTAL
EXISTING PULL BOX
EXISTING GROUND LIGHT
EXISTING LIGHT POLE
EXISTING ELECTRIC METER
EXISTING ELECTRIC MANHOLE
EXISTING GAS METER
EXISTING GAS VALVE
EXISTING GAS BOX
EXISTING UTILITY POLE
EXISTING GUY WIRE / ANCHOR
EXISTING SANITARY MANHOLE
EXISTING SANITARY CLEANOUT
EXISTING STORM MANHOLE
EXISTING SINGLE / DOUBLE CURB INLET
EXISTING CATCH BASIN
EXISTING STORM CLEANOUT
EXISTING TELEPHONE MANHOLE
EXISTING TELEPHONE PEDESTAL
EXISTING FIRE HYDRANT
EXISTING WATER METER
EXISTING WATER VALVE
EXISTING BUSHES / TREES
EXISTING SURVEY BENCHMARK
TEST BORING LOCATION

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

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PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

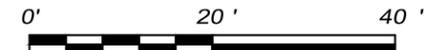
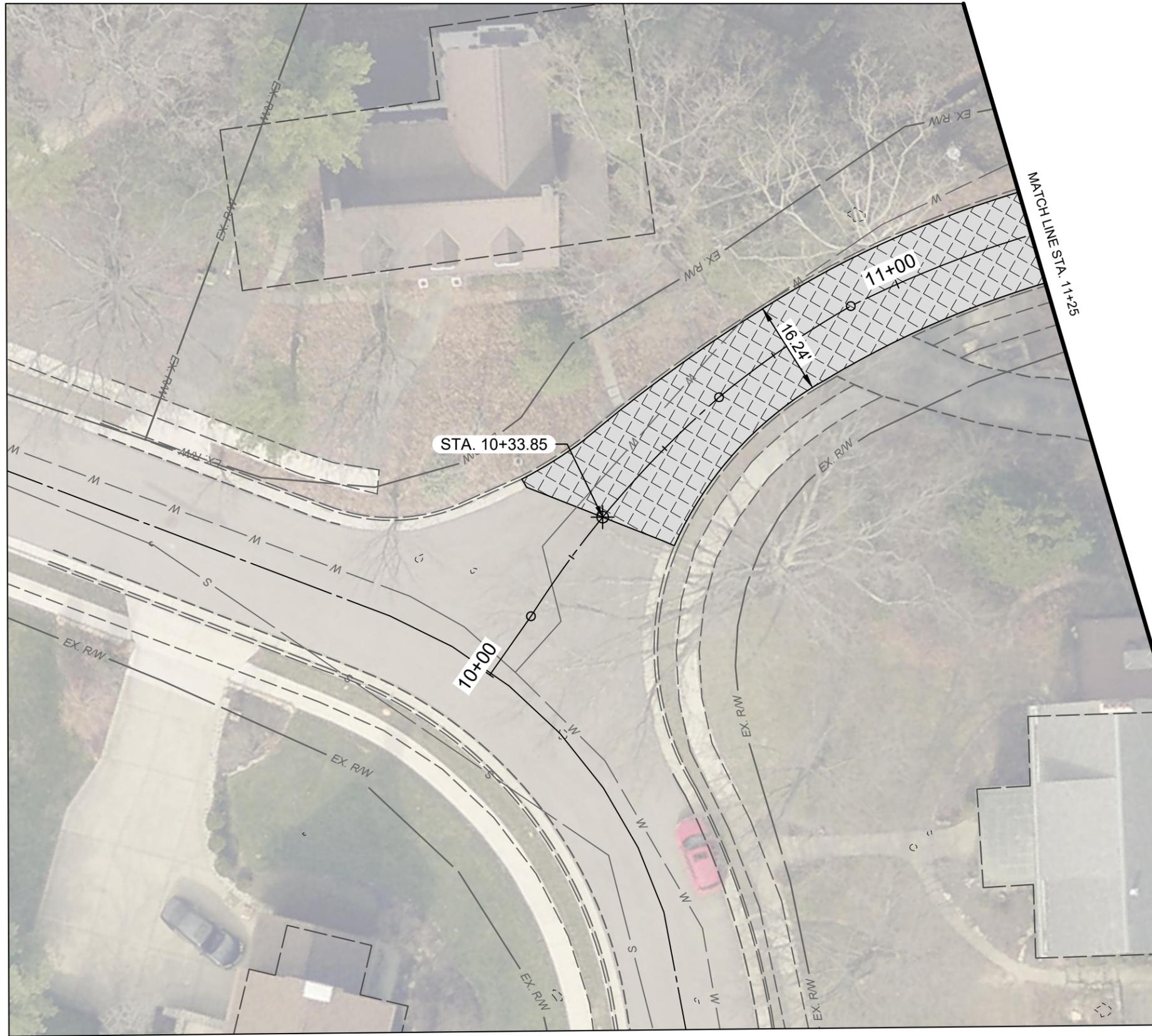
GENERAL NOTES AND LEGEND

PROJECT NO.
242373

DISCIPLINE
CIVIL

SHEET NAME
NOTES

SHEET **2** OF **10**



11"x17" SCALE: 1" = 20'
 22"x34" SCALE: 1" = 10'

HATCH LEGEND	
	PROPOSED MILL AND OVERLAY STA. 10+33.85 TO STA. 14.11+57 SEE "PARK ROAD RESURFACING" DETAIL SHEET 6



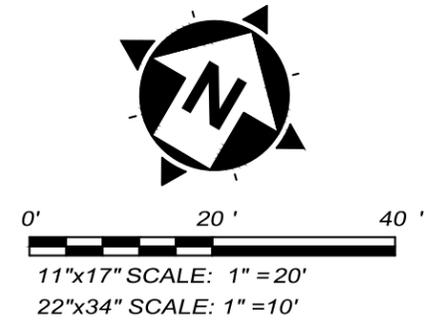
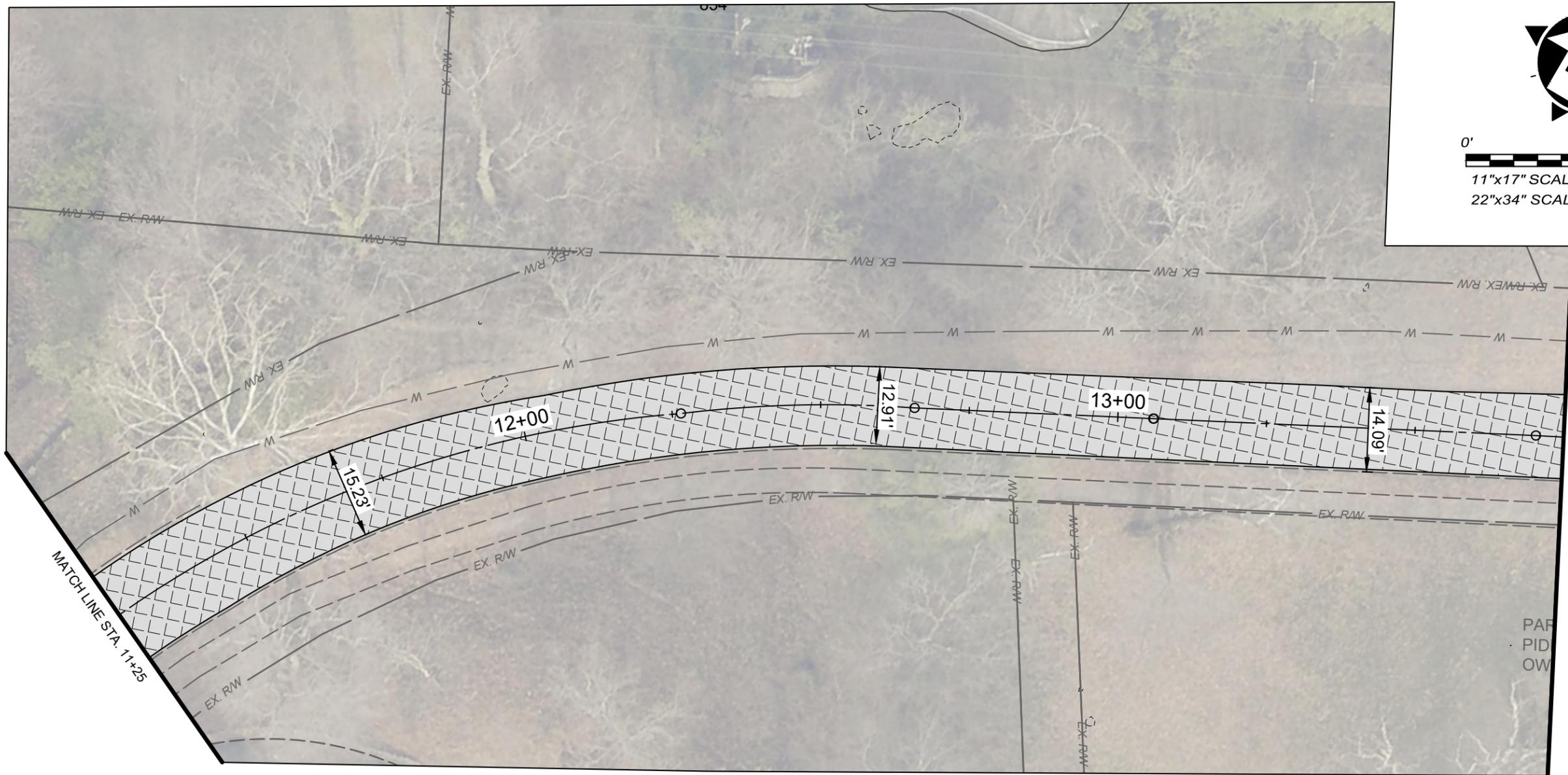
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PARK ROAD IMPROVEMENTS
 - FORT MITCHELL, KY -

PLAN VIEW
 STA. 10+00 TO STA. 11+25

PROJECT NO.	242373
DISCIPLINE	CIVIL
SHEET NAME	PLAN1
SHEET	OF
3	10



MATCH LINE STA. 11+25

MATCH LINE STA. 13+75

HATCH LEGEND	
	PROPOSED MILL AND OVERLAY STA. 10+33.85 TO STA. 14.11+57 SEE "PARK ROAD RESURFACING" DETAIL SHEET 6



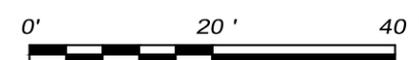
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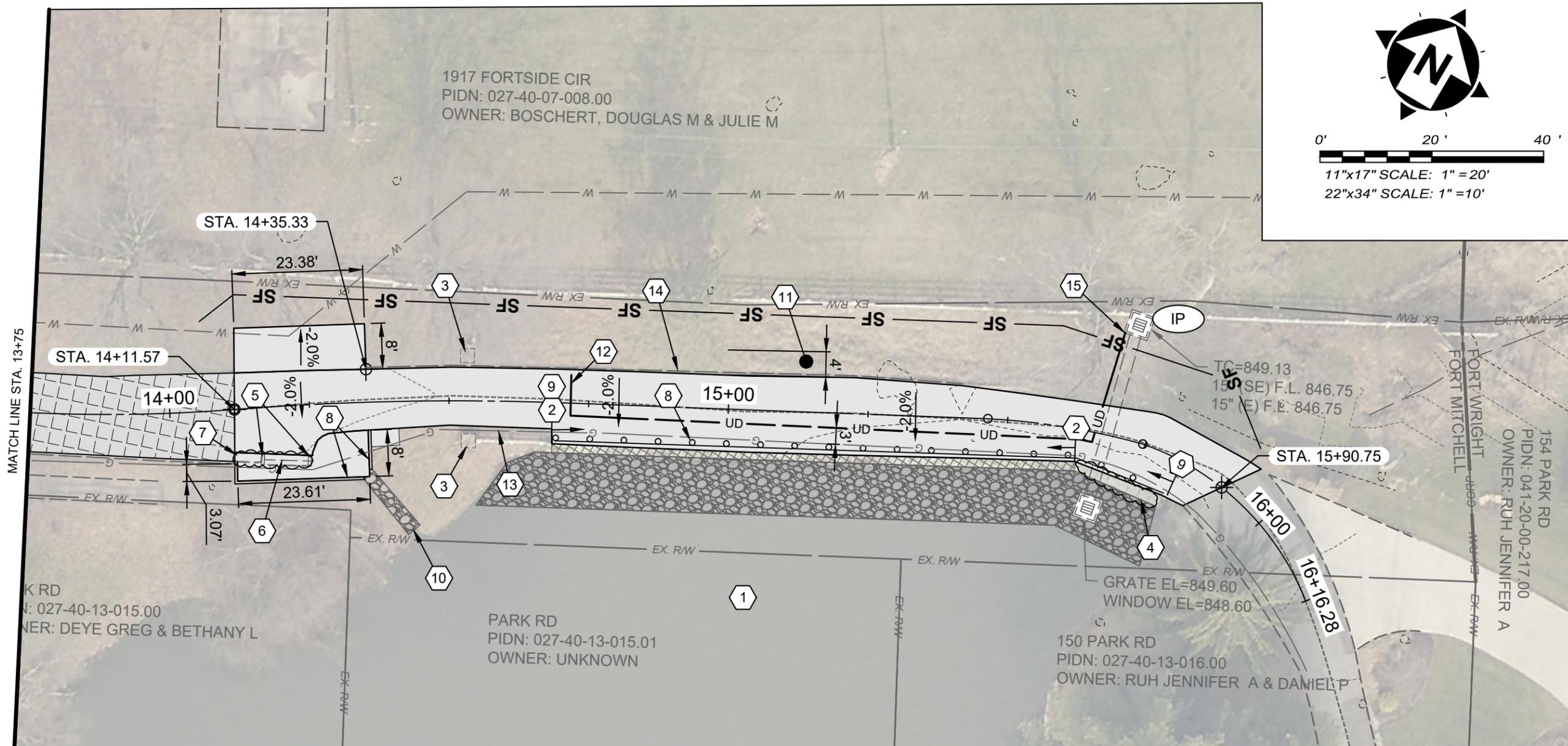
PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

PLAN VIEW
STA. 11+25 TO STA. 13+75

PROJECT NO.	
242373	
DISCIPLINE	
CIVIL	
SHEET NAME	
PLAN2	
SHEET	OF
4	10



11"x17" SCALE: 1" = 20'
22"x34" SCALE: 1" = 10'



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PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

PLAN VIEW
STA. 13+75 TO STA. 16+16.28

PROJECT NO.	242373
DISCIPLINE	CIVIL
SHEET NAME	PLAN3
SHEET	5
OF	10

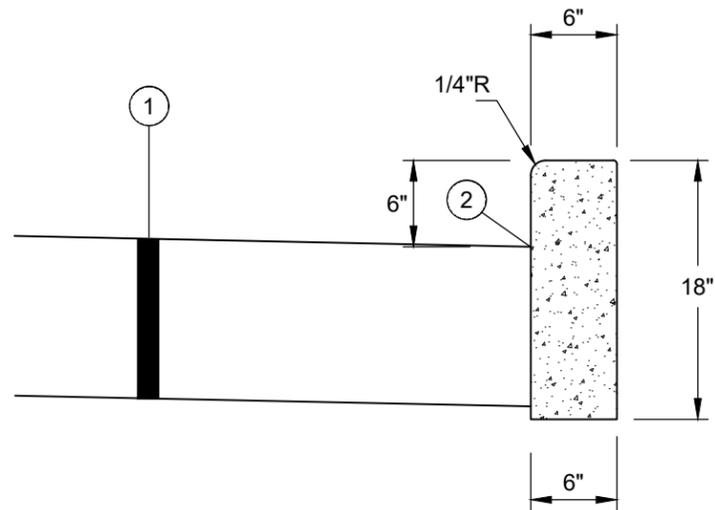
- GENERAL CONSTRUCTION NOTES**
- DRAIN LAKE (AS NEEDED FOR RIPRAP INSTALLATION)
 - REMOVE TOP 2' ± SECTION OF EXISTING ROCK WALL. SEE "PROPOSED IMPROVEMENTS" DETAIL SHEET 9
 - REMOVE STONE COLUMNS
 - (CLOUD) REMOVE CONCRETE BLOCKS
 - REMOVE HEADWALL
 - REMOVE CULVERT
 - (CLOUD) FULL DEPTH REPAIR PER DETAIL SHEET 7 WHERE EX. ASPHALT IS DEPRESSED. RAISE SURFACE ELEVATION TO ENSURE DRAINAGE ALONG PROPOSED CURB LINE.
 - INSTALL 6" VERTICAL CURB PER DETAIL. LEAVE 1" OPENING IN CURB FOR DRAINAGE.
 - INSTALL NEW GUARDRAIL - SQUARE AMERICAN TIMBER RAIL BY AMERICAN TIMBER AND STEEL, OR APPROVED EQUAL.
 - CONSTRUCT KYTC CHANNEL LINING CLASS II APPROX. 15 LF FROM CURB OPENING TO LAKE.
 - RESTORE YARD AREA 4' WIDE STRIP (4" TOPSOIL AND SODDING) NORTH SIDE OF DRIVEWAY. STA. 14+35.33 TO STA. 15+90.75
 - INSTALL TRANSVERSE UNDERDRAIN PER DETAIL (SHEET 7), CONNECT TO PROPOSED EDGE DRAIN.
 - ACTUAL LOCATION OF EX. GAS MAIN UNKNOWN. CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT).
 - REMOVE EXISTING CURB.
 - CONNECT PROP. UNDERDRAIN TO EX. CATCH BASIN (INCIDENTAL TO UNDERDRAIN ITEM). CORE DRILL AND CONNECT WITH WATER TIGHT CONNECTION PER SD1 REQUIREMENTS.

HATCH LEGEND

	PROPOSED MILL AND OVERLAY STA. 10+33.85 TO STA. 14+11+57 SEE RESURFACING TYPICAL SECTION SHEET 6
	PROPOSED PAVEMENT RECONSTRUCTION STA. 14+11.57 TO STA. 15+90.75 SEE "DRIVEWAY RECONSTRUCTION PAVEMENT SECTION" SHEET 7
	REMOVE TOP EXISTING STONE WALL - TOP 2' ± WALL TO MAKE FLUSH WITH ROADWAY
	RIPRAP - SEE "PROPOSED IMPROVEMENTS" DETAIL SHEET 9

LINETYPE LEGEND

	PROPOSED GUARDRAIL - SQUARE AMERICAN TIMBER RAIL BY AMERICAN TIMBER AND STEEL, OR APPROVED EQUAL.
	PROPOSED SILT FENCE



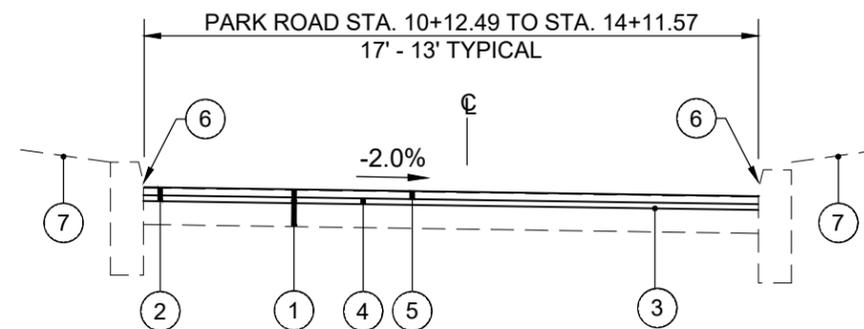
- ① PROPOSED ASPHALT PAVEMENT (SEE PAVEMENT FOR HAMMER TURNAROUND DETAIL)
- ② APPLY HOT ASPHALT SEALER WHERE ASPHALT MEETS CURB (INCIDENTAL TO ITEM 402/403).

NOTE:

$\frac{3}{4}$ " DIAMETER DOWELS, 18" LONG, 12" O.C. PLACED AT EXPANSION AND CONSTRUCTION JOINTS.

CONCRETE SHALL BE PER THE LATEST EDITION OF THE KENTON COUNTY SUBDIVISION REGULATIONS.

6" VERTICAL CURB N.T.S.

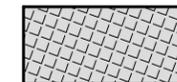


- ① EXISTING ASPHALT PAVEMENT
- ② ITEM 408 - ASPHALT MILLING (APPROX 2 1/2". VARIES TO OBTAIN CROSS SLOPE, MIN. 2%)
- ③ ITEM 406 - TACK COAT @ 0.1 GAL/SY (INCIDENTAL TO ITEM 403)
- ④ ITEM 402/403 - 1" ASPHALT LEVELING
- ⑤ ITEM 402/403 - 1-1/2" ASPHALT PAVEMENT SURFACE WITH ARAMID FIBER REINFORCEMENT (FORTA-FI OR ACE FIBER)
- ⑥ APPLY HOT ASPHALT SEALER WHERE ASPHALT MEETS CONCRETE CURB (INCIDENTAL TO ITEM 403)
- ⑦ DO NOT DISTURB YARD AREA

* CONTINGENCY ITEM TO BE USED ONLY AT THE ENGINEER'S DIRECTION

TYPICAL PAVEMENT RESURFACING SECTION
PARK ROAD STA. 10+33.85 TO STA. 14+11.57

N.T.S.



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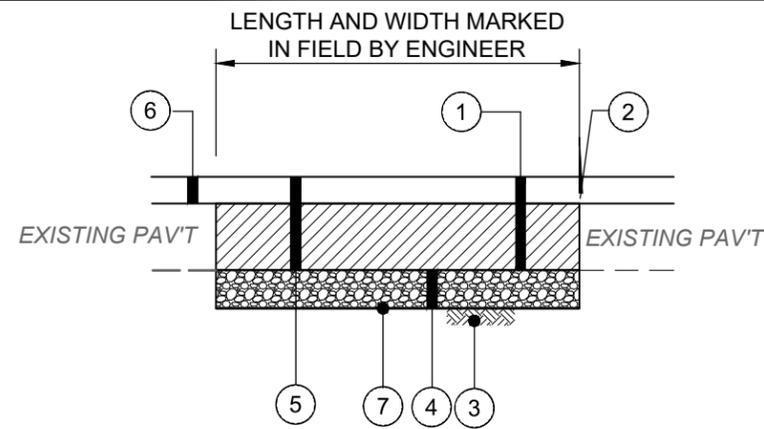
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PARK ROAD IMPROVEMENTS
 - FORT MITCHELL, KY -

DETAILS 1

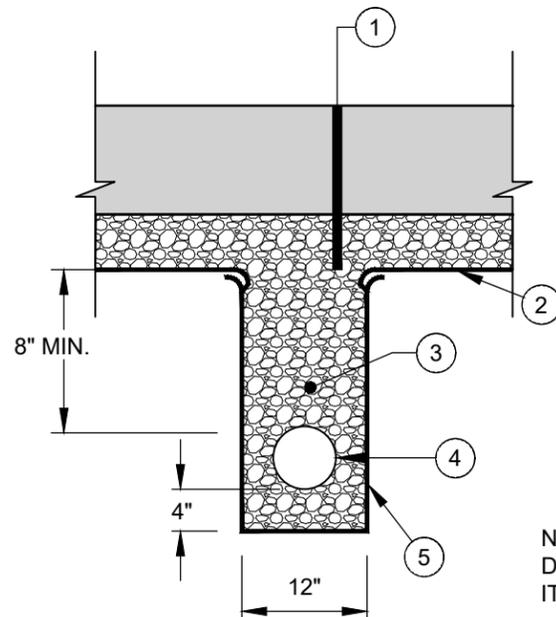
PROJECT NO.	242373
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SHEET NAME	DET
SHEET	6
OF	10



- ① EX. CONCRETE, ASPHALT, GRAVEL OR EARTHEN MATERIAL TO BE REMOVED
- ② FULL DEPTH SAWCUT ALL SIDES
- ③ ITEM 207 - COMPACTED SUBGRADE (INCIDENTAL)
- ④ ITEM 302* - 6" DGA FOR SUBGRADE REPAIR (SEPARATE BID ITEM). TO BE USED AS DIRECTED BY THE ENGINEER. UNIT PRICE BID INCLUDES DGA BASE, REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND COMPACTION OF SUBGRADE
- ⑤ ITEM 402/403 - BITUMINOUS CONCRETE BASE (2) 4 1/2" LIFTS (9" TOTAL THICKNESS)
- ⑥ PAVEMENT RESURFACING PER TYPICAL SECTION (SEPARATE PAY ITEM)
- ⑦ ITEM SPL* - GEOGRID REINFORCEMENT FOR SUBGRADE REPAIR (TENSAR BX 1200 OR EQUIVALENT)

* 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

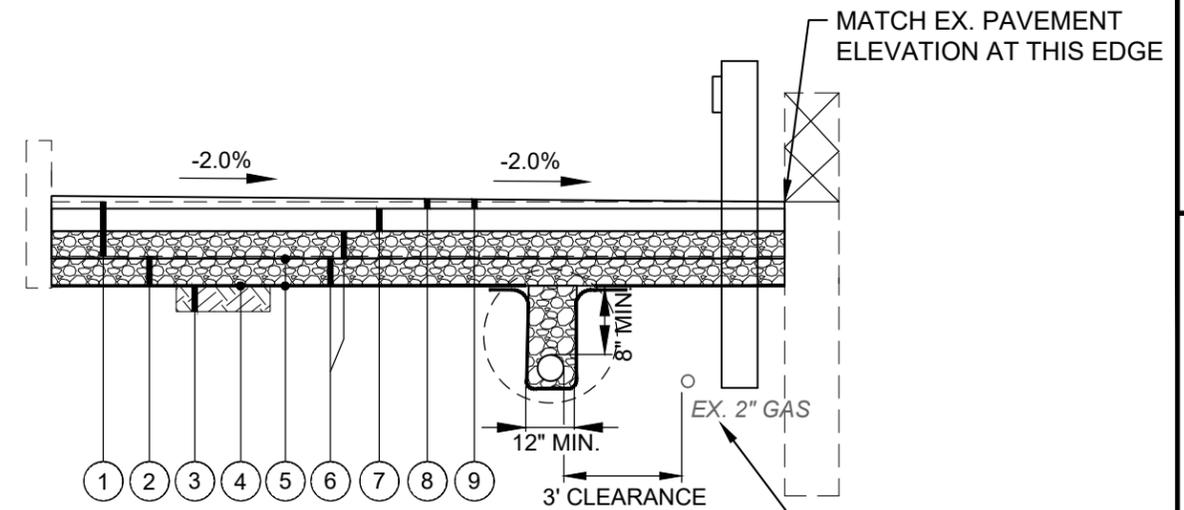
*** FULL DEPTH PAVEMENT REPAIR
- CONTINGENCY ITEM
FOR MILL AND OVERLAY SECTION
(STA. 10+33.85 - STA. 14+11.57) N.T.S.**



- ① PROPOSED PAVEMENT. SEE TYPICAL SECTION
- ② ITEM 304 - WOVEN GEOTEXTILE, MIRAFI®600X OR EQUIVALENT
- ③ ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES)
- ④ 4" RIGID PVC PERFORATED PIPE UNDERDRAIN @ 1% MIN GRADE
- ⑤ ITEM 304 - MIRAFI®140N OR EQUIVALENT NON WOVEN DRAINAGE GEOTEXTILE

NOTE: ALL COST FOR CONSTRUCTING THE UNDERDRAIN PER DETAIL SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ITEM 704 - 4" UNDERDRAIN

**TRANSVERSE UNDERDRAIN DETAIL
N.T.S.**



- ① ITEM 203 - SAWCUT AND REMOVE EXISTING PAVEMENT
- ② ITEM 204 - EXCAVATION TO PROPOSED SUBGRADE
- ③ ITEM 207 - SUBGRADE RESHAPING & COMPACTING OF EXISTING CLAY SUBGRADE - TRIMMED AND ROLLED SMOOTH FOR DRAINAGE SO THAT GEOTEXTILE CAN BE SPREAD SMOOTH, TAUT, AND EVEN BEFORE STONE IS PLACED.
- ④ ITEM 214 - WOVEN TEXTILE, MIRAFI®600X OR EQUIVALENT, ALL OVERLAPS TO BE 18" MIN. PLACE BELOW GEOGRID.
- ⑤ ITEM SPL - GEOGRID (TENSAR BX 1200 OR EQUIVALENT). 2 LAYERS (ONE BENEATH EACH LAYER OF CSB)
- ⑥ ITEM 302 - 12" CRUSHED STONE BASE, (LESS THAN 7% FINES) COMPACTED TO 100%. (TWO LIFTS OF 6" WITH GEOGRID IN BETWEEN)
- ⑦ ITEM 402/403 - 5" ASPHALT CONCRETE BASE
- ⑧ ITEM 402/403 - 1.5" ASPHALT CONCRETE SURFACE COURSE WITH ARAMID FIBER REINFORCEMENT (FORTA-FI, ACE FIBER, OR EQUIVALENT). 1.5" MIN. VARY TO OBTAIN 2% CROSS SLOPE.
- ⑨ ITEM SPL - MIRAFI®140N OR EQUIVALENT NONWOVEN GEOTEXTILE, COVERING DRAINAGE BACKFILL, LAPPED 12" INCHES ONTO CLAY EACH SIDE, AND 4" INCHES ONTO BACK OF CURB WHERE APPLICABLE. (COST SHALL BE INCIDENTAL TO ITEM 704 - 4" DIA. RIGID PVC PERFORATED PIPE UNDERDRAIN).
- ⑩ ITEM 302 - CLEAN NO. 57 CRUSHED STONE (LESS THAN 3% FINES), COMPACTED IN 6" TO 8" LIFTS TO 80% RELATIVE DENSITY (ASTM D4253, D4254) W/A VIBRATORY COMPACTOR. (COST SHALL BE INCIDENTAL TO ITEM 704 - 4" DIA. RIGID PVC PERFORATED PIPE UNDERDRAIN).
- ⑪ ITEM 704 - 4" DIA. RIGID PVC PERFORATED PIPE UNDERDRAIN.

**DRIVEWAY RECONSTRUCTION PAVEMENT SECTION
STA. 14+11.57 - STA. 15+90.75 N.T.S.**

FOR ADDITIONAL INFORMATION SEE TYPICAL SECTIONS - SHEET 9.

ISSUED FOR:	BID	DESIGNED BY:	JSHU
ISSUE DATE:	02/26/2026	DRAWN BY:	AWAL
SCALE:	AS NOTED	CHECKED BY:	MBRU

PROJECT NO.	242373
DISCIPLINE	CIVIL
SHEET NAME	DET2
SHEET	7
OF	10



Square American Timber Rail

We designed our American Timber Rail as a cost effective solution for jobs that do not need the strength of our Steel-Backed Timber Guardrail yet it looks great and offers protection around areas like parking lots, pathways and in parks. This easy to assemble guide rail system has 6 foot on center post spacing and 12 foot splicing.

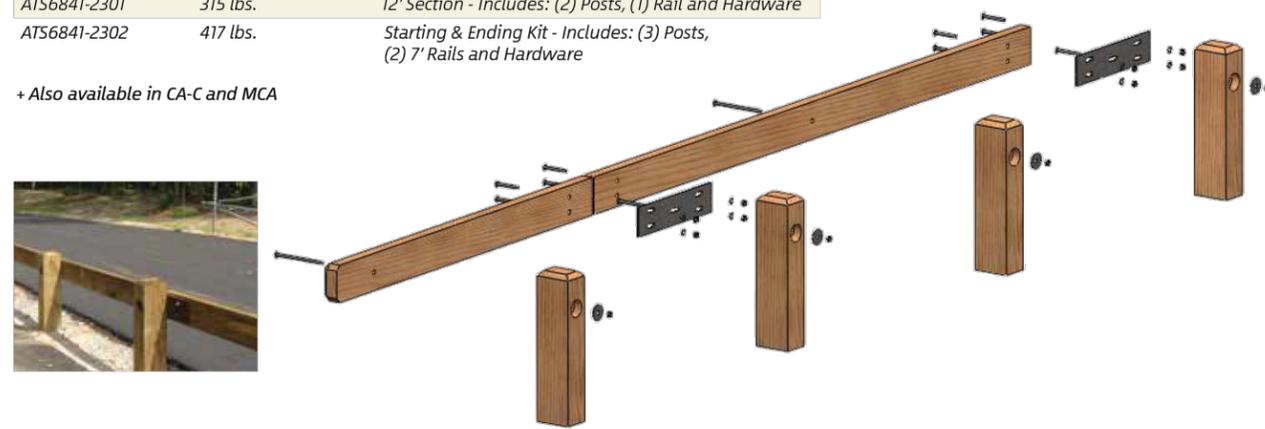
Using surfaced Southern Yellow Pine for a uniform look and reliable strength, we chamfer the 6 inch by 8 inch post tops and the face of the 4 inch by 8 inch rails for an attractive finish and all the plates and hardware are made from weathering steel for a rustic appeal. Then to make sure we get the longest life, we treat it to .60 with CCA



Square American Timber Rail - 6" x 8" - 6' Posts with 4" x 8" - 12'Rails

Item #	Lbs. ea.	Description
ATS6841-2301	315 lbs.	12' Section - Includes: (2) Posts, (1) Rail and Hardware
ATS6841-2302	417 lbs.	Starting & Ending Kit - Includes: (3) Posts, (2) 7' Rails and Hardware

+ Also available in CA-C and MCA



300 BUTTERMILK PKE. SUITE 332
FORT MITCHELL, KENTUCKY 41017
TEL. (609) 525-0544
WWW.VERDANTAS.COM

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ISSUE DATE:	02/26/2026
SCALE:	AS NOTED
DESIGNED BY:	JSHU
DRAWN BY:	AWAL
CHECKED BY:	MBRU

PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

DETAILS 3
GUARDRAIL CUT SHEET

PROJECT NO.

242373

DISCIPLINE

CIVIL

SHEET NAME

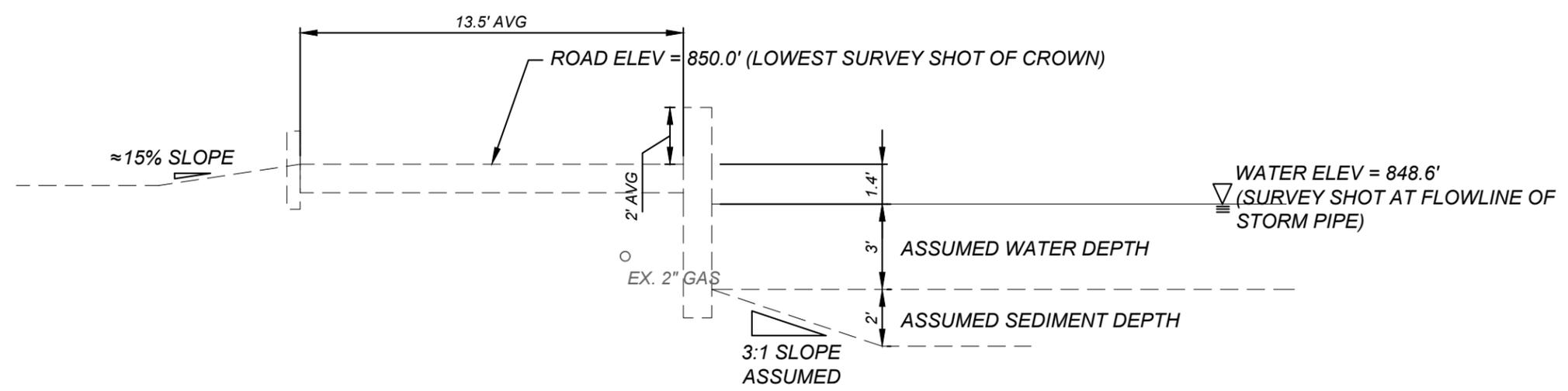
DET3

SHEET

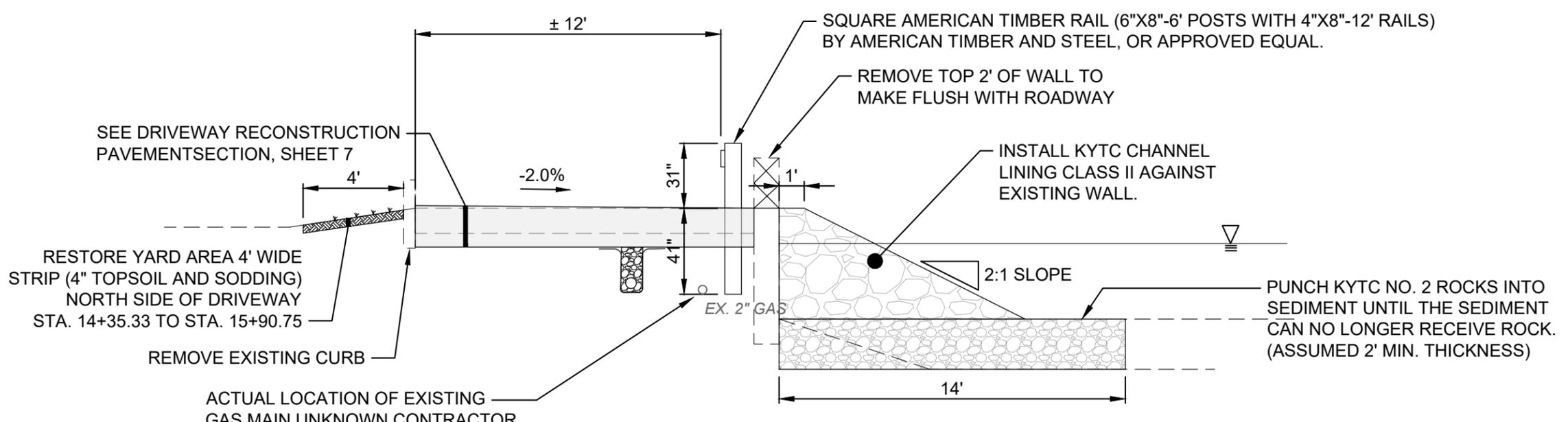
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OF

10



EXISTING SECTION



PROPOSED IMPROVEMENTS

ACTUAL LOCATION OF EXISTING GAS MAIN UNKNOWN CONTRACTOR TO EXPOSE UTILITY PRIOR TO CONSTRUCTION TO DETERMINE ACTUAL LOCATION. NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS (INCIDENTAL TO CONTRACT).



300 BUTTERMILK PKE. SUITE 332
FORT MITCHELL, KENTUCKY 41017
TEL. (609) 525-0544
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CHECKED BY:	MBRU

PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

TYPICAL SECTION
DRIVEWAY OVERLAY AND POND WALL
STABILIZATION

PROJECT NO.	
242373	
DISCIPLINE	
CIVIL	
SHEET NAME	
TYP	
SHEET	OF
9	10

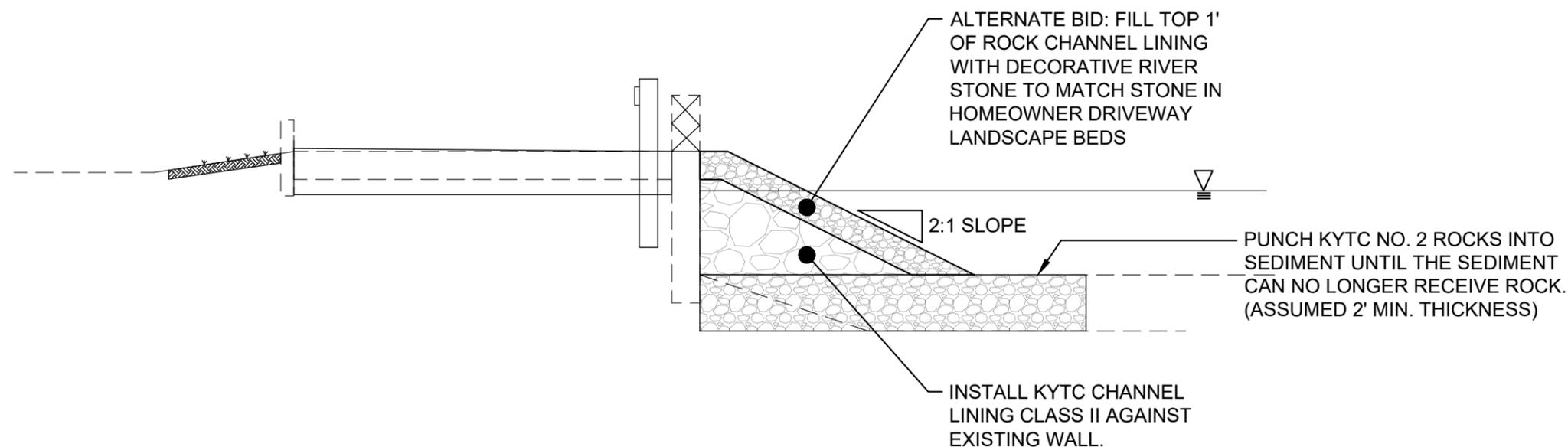
H:\2024\242373\DWG\BASE\242373_PBASE_PARK ROAD DRIVEWAY DWG - TYP SEC - 2/26/2026 4:26:19 PM - ANDREW WALSH

NOTE:
CONTRACTOR TO SUBMIT RIVER STONE SHOP
DRAWING FOR APPROVAL BY OWNER.



0' 5' 10'
11"x17" SCALE: 1" = 5'

PICTURE FOR REFERENCE:
RIVER STONE IN HOMEOWNER
DRIVEWAY LANDSCAPE BED.



ALTERNATE RIPRAP - DECORATIVE STONE

verdantas

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PARK ROAD IMPROVEMENTS
- FORT MITCHELL, KY -

**ALTERNATE BID ITEM: DECORATIVE ROCK
FOR TOP OF POND RIPRAP**

PROJECT NO.	
242373	
DISCIPLINE	
CIVIL	
SHEET NAME	
ALT	
SHEET	OF
10	10