CITY OF FORT THOMAS
CAMPBELL COUNTY, KENTUCKY
N. FORT THOMAS AVENUE SIDEWALK
KYTC ITEM NO 06-3216
180223

CITY OF FORT THOMAS OFFICIALS

MAYOR

ERIC HAAS

CITY CLERK

MELISSA BECKETT

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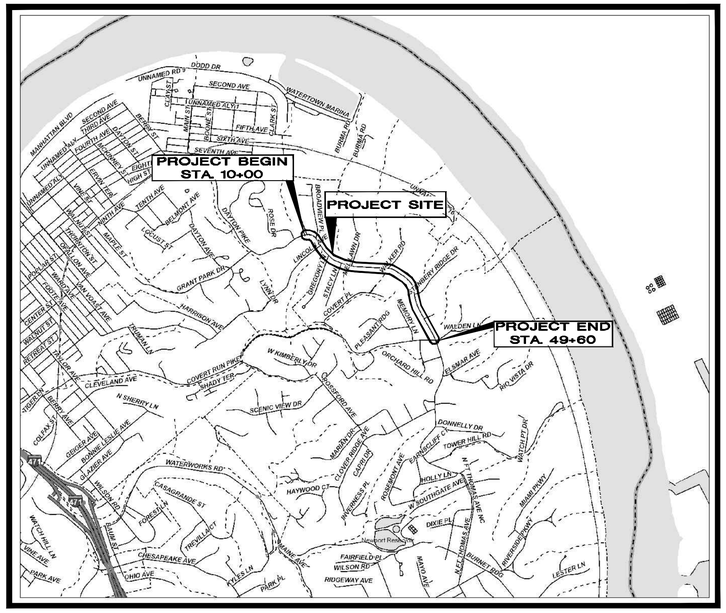
KEN BOWMAN
ADAM BLAU
DAVID CAMERON
MARK COLLIER
ROGER PETERMAN

CITY ADMINISTRATOR

RON DILL



VICINITY MAP

LEGEND

- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING GUY ANCHOR
- EXISTING MAILBOX
- EXISTING WATER VALVE/METER
- EXISTING FIRE HYDRANT
- EXISTING SIGN
- EXISTING GAS VALVE
- EXISTING STORM CATCHBASINS
- **EXISTING WATER MAIN** — WAT —
- EXISTING GAS MAIN — GAS —
- EXISTING STORM SEWER — 12" STM —
- EXISTING SANITARY SEWER — SAN —
- EXISTING RIGHT OF WAY — EX. R/W —
- EXISTING SANITARY MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING GAS SERVICE — GS — GS — GS — GS —
- EXISTING WATER SERVICE

EROSION CONTROL LEGEND

- *IP* — *INLET PROTECTION (SEE DETAIL)*
- *SB* — *SAND BAG CHECK DAM (SEE DETAIL)*
- *SA* — GRANULAR CONSTRUCTION MATERIAL STORAGE AREA (SEE DETAIL)

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON NORTHERN KENTUCKY AREA PLANNING COMMISSION G.I.S. MAPPING AND DOES NOT REPRESENT AN ACTUAL FIELD BOUNDARY SURVEY BY CT ONSULTANTS, INC.

SOURCE OF TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A COMBINATION OF FIELD SURVEY INTEGRATED WITH NKAPC G.I.S MAPPING.

2 Business Days Before You Dig
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HATCH LEGEND

- PROPOSED CONCRETE SIDEWALK — SEE DETAIL SHEET
- 6" CONCRETE DRIVEWAY REPLACEMENT — SEE DETAIL SHEET

PRELIMINARY

your trusted advisor consultants — engineers architects planners

NO	REVISION	DATE

SCALE:
DATE: 01/29/19
DESIGNED BY: JCOR
DRAWN BY: JCOR
CHECKED BY: RSEI

NORTH FORT THOMAS AVE. SIDEWALK PROJECT
- FORT THOMAS, KY -

TITLE SHEET

PROJECT NO: 180223
DRAWING NAME: TTL
SHEET 1 OF 13

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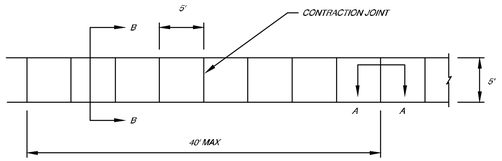
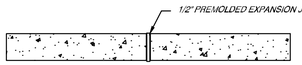
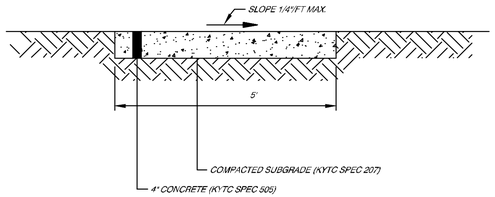


PLAN VIEW



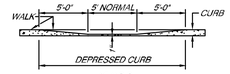
SECTION A-A



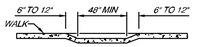
SECTION B-B

CONCRETE SIDEWALK DETAIL

N.T.S.

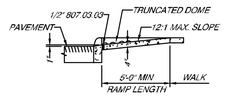


VIEW B-B

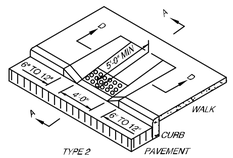


SECTION D-D

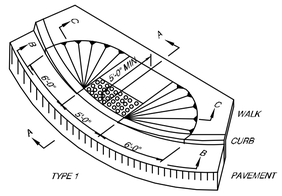
SECTION C-C



SECTION A-A



TYPE 2



TYPE 1

CURB RAMP W/ TRUNCATED DOMES DETAIL

N.T.S.

NOTES:
SURFACE TEXTURE SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES AND SHALL BE ROUGHER THAN ADJACENT WALK.

JOINTS SHALL BE PROVIDED IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTANT WITH KTC 712 REQUIREMENTS FOR NEW CONCRETE WALK. A 1/2" KTC 807.03.03 EXPANSION JOINT FILLER SHALL BE PROVIDED AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALK. LINES SHOWN ON THIS DRAWING TO INDICATE THE RAMP EDGE AND SLOPE CHANGES ARE NOT NECESSARILY JOINT LINES.

DIMENSIONS, LOCATION AND TYPE OF CURB RAMP MAY BE MODIFIED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE FOLLOWING:

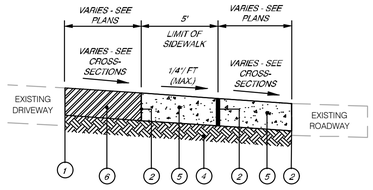
TYPE OF CURB RAMP BUILT SHALL BE THE TYPE THAT BEST FITS THE LOCATION UNLESS A SPECIFIC TYPE IS SPECIFIED. TYPE 1 ISPREFERRED BECAUSE OF THE FLATTER SIDE SLOPES. ANY COMBINATION OF TYPE 1 AND 2 SIDE SLOPES ON OPPOSITE SIDE OF A RAMP MAY BE USED TO BEST FIT THE SITE CONDITIONS.

SLOPE OF THE RAMP TOWARD THE CURB IS PREFERRED TO BE 12:1 OR FLATTER RELATED TO THE HORIZONTAL BUT THE MAXIMUM SLOPE SHALL BE 12:1 RELATED TO THE EXISTING OR PROPOSED WALK SLOPE. THE MINIMUM RAMP LENGTH IS 5' FROM THE BACK OF A 6" CURB AND MAY BE INCREASED WHERE FEASIBLE TO OBTAIN A FLATTER RAMP SLOPE OR TO BETTER BLEND WITH THE WALK CONFIGURATION.

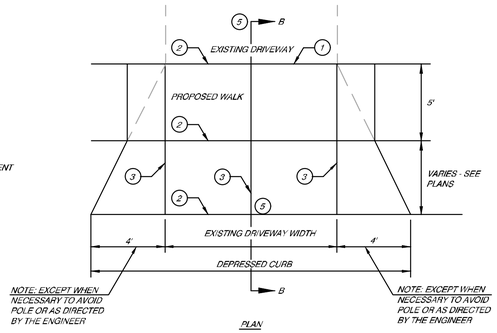
WIDTH OF RAMP SHALL NORMALLY BE 4' BUT A MINIMUM WIDTH OF 40" MAY BE USED TO BETTER FIT THE WALK CONFIGURATION OR WHERE SITE CONDITIONS ARE RESTRICTED BY NARROW WALKS, POLE FOUNDATIONS, DRAINAGE INLETS, ETC. THE WIDTH MAY BE TAPERED.

WALK THICKNESS IN THE RAMP SLOPES SHALL BE 4" MINIMUM OR THICKER AS NECESSARY TO MATCH ADJACENT WALK THICKNESS.

TRUNCATED DOMES: INSTALL DETECTABLE WARNINGS (TRUNCATED DOMES) FOR A DISTANCE OF 24" FROM THE BACK OF CURB FOR THE ENTIRE WIDTH OF THE RAMP OPENING.



SECTION B-B



NOTE: EXCEPT WHEN NECESSARY TO AVOID POLE OR AS DIRECTED BY THE ENGINEER

NOTE: EXCEPT WHEN NECESSARY TO AVOID POLE OR AS DIRECTED BY THE ENGINEER

PLAN

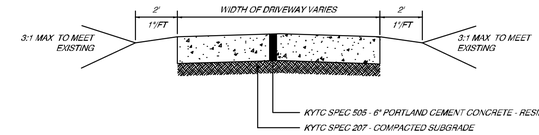
NOTE: ANY YARD AREA DISTURBED BY THE CONSTRUCTION OF THE DRIVEWAY APRON SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH.

1. SAWCUT AND REMOVE EXISTING DRIVEWAY AND APRON PAVEMENT (COST SHALL BE INCIDENTAL TO THE PARTINENET DRIVEWAY ITEM)
2. 3/4" PREFORMED EXPANSION JOINT MATERIAL. ZIP CAP OR APPROVED EQUAL ON TOP OF FULL DEPTH 3/4 " EXPANSION MATERIAL.
3. TOOLED JOINT
4. KYTC SPEC 207 - COMPACTED SUBGRADE (INCIDENTAL TO KYTC SPEC 505)
5. CONCRETE DRIVEWAY APRON REPLACEMENT (SEE DETAIL THIS SHEET).
6. CONCRETE OR ASPHALT DRIVEWAY REPLACEMENT PER PLAN (SEE DETAIL THIS SHEET).

NOTE: FRONT EDGE OF APRON SHALL BE FLUSH WITH EX. EDGE OF PAVEMENT.

DRIVEWAY APRON REPLACEMENT

N.T.S.

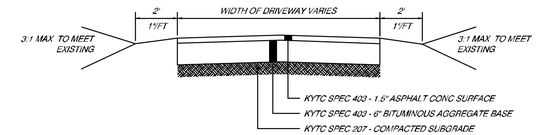


CONCRETE DRIVEWAY/APRON REPLACEMENT

N.T.S.

NOTE

ALL ITEMS LISTED IN DETAIL ABOVE ALONG WITH SAWCUTTING AND REMOVAL OF EXISTING CONCRETE DRIVEWAY TO NEAREST JOINT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR KYTC SPEC 505 - CONCRETE DRIVEWAY REPLACEMENT.

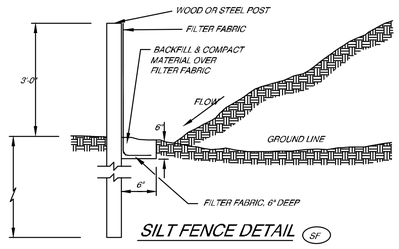


ASPHALT DRIVEWAY REPLACEMENT

N.T.S.

NOTE

ALL ITEMS LISTED IN DETAIL ABOVE ALONG WITH SAWCUTTING AND REMOVAL OF EXISTING ASPHALT DRIVEWAY SHALL BE INCLUDED IN THE UNIT BID PRICE FOR KYTC SPEC 403 - ASPHALT DRIVEWAY REPLACEMENT.



SILT FENCE DETAIL (SF)

Installation

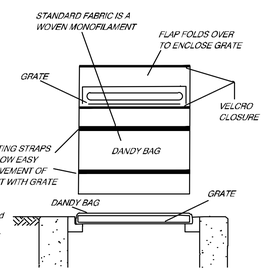
1. Stand the grate on end
2. Place the Dandy Bag over the grate
3. Roll the grate over so that the open end is up
4. Pull up the slack
5. Tuck the flap in
6. Press the velcro strips together
7. Be sure that the end of the grate is completely covered by the flap or the Dandy Bag will not work properly
8. Holding the handles, carefully place the Dandy Bag® with the grate inserted into the catch basin frame

Maintenance

To insure proper operation remove silt, sediment, and debris from the surface and the vicinity of the unit with a square point shovel or stiff bristle broom away from environmentally sensitive areas and waterways in manner satisfactory to the engineer/inspector. Remove fine material from inside Dandy Bag as needed. Dispose of Dandy Bag no longer in use at an appropriate recycling or solid waste facility.

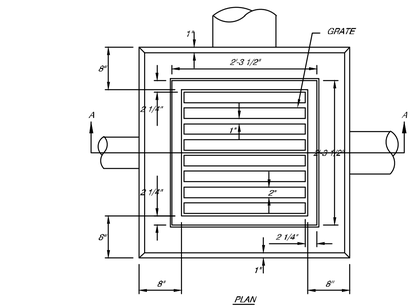
Inlet Inspection

To inspect inlet, remove Dandy Bag with grate inside, inspect catch basin and replace Dandy Bag back into grate frame.

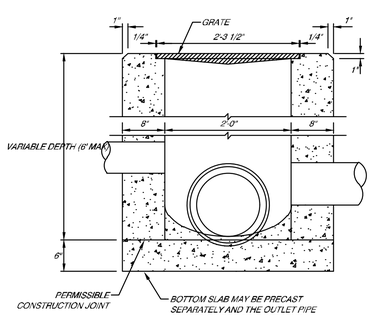


PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE DANDY BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AND EXPLOSED SLOPE. THE DANDY BAG IS NOT INTENDED FOR ANY OTHER USE AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.

DANDY BAG DETAIL (DP)



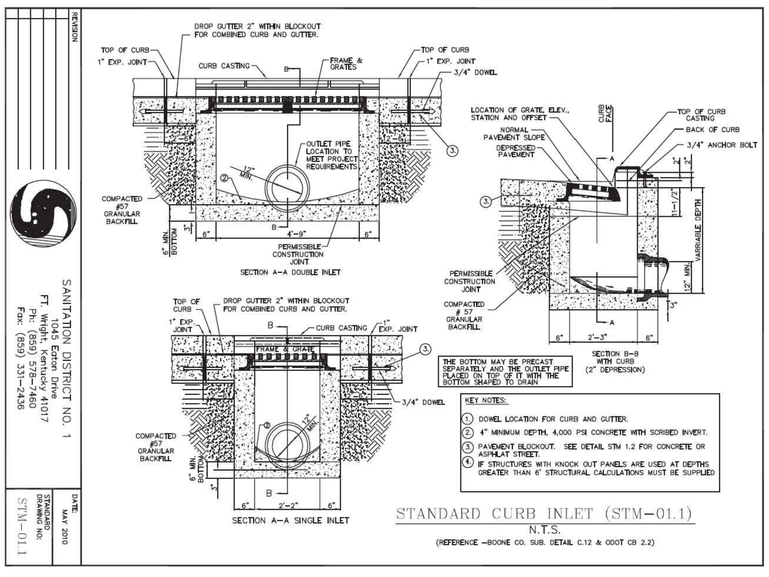
PLAN



SECTION A-A

STANDARD YARD DRAIN

N.T.S.



STANDARD CURB INLET (STM-01.1)

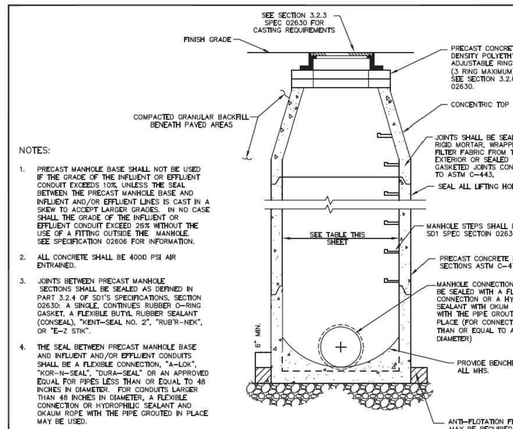
N.T.S.

(REFERENCE -BOONE CO. SUB. DETAIL C.12 & ODOT CB 2.2)

REVISION	BY	DATE

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578-7460
Fax: (859) 331-2436

DATE: MAY 2010
STANDARD DRAWING NO: STM-01.1



NOTES:

1. PRECAST MANHOLE BASE SHALL NOT BE USED IF THE GRADE OF THE INFLUENT OR EFFLUENT CONDUIT EXCEEDS 10%, UNLESS THE SEAL BETWEEN THE PRECAST MANHOLE BASE AND INFLUENT AND/OR EFFLUENT LINES IS CAST IN A SKEW TO ACCEPT LARGER GRADES. IN NO CASE SHALL THE GRADE OF THE INFLUENT OR EFFLUENT CONDUIT EXCEED 25% WITHOUT THE USE OF A FITTING OUTSIDE THE MANHOLE. SEE SPECIFICATION 02606 FOR INFORMATION.
2. ALL CONCRETE SHALL BE 4000 PSI AIR ENTRAINED.
3. JOINTS BETWEEN PRECAST MANHOLE SECTIONS SHALL BE SEALED AS DEFINED IN PART 3.2.4 OF SDI'S SPECIFICATIONS, SECTION 02630. A SINGLE, CONTINUES RUBBER O-RING GASKET, A FLEXIBLE BUTYL RUBBER SEALANT (CONSEAL), "KENT-SEAL NO. 2", "RUB'R-NEX", OR "E-Z STIK".
4. THE SEAL BETWEEN PRECAST MANHOLE BASE AND INFLUENT AND/OR EFFLUENT CONDUITS SHALL BE A FLEXIBLE CONNECTION, "A-LOK", "KOR-N-SEAL", "DURA-SEAL" OR AN APPROVED EQUAL FOR PIPES LESS THAN OR EQUAL TO 48 INCHES IN DIAMETER. FOR CONDUITS LARGER THAN 48 INCHES IN DIAMETER, A FLEXIBLE CONNECTION OR HYDROPHILIC SEALANT AND OKAUM ROPE WITH THE PIPE GROUTED IN PLACE MAY BE USED.
5. THE PRECAST BASE SHALL HAVE THE THE FLOOR AND SIDE WALL CAST AS ONE UNIT. IF THE FLOW LINE (CHANNEL) AND BENCHES ARE NOT CAST AS A PART OF FLOOR AND SIDE WALL, THEY SHALL BE CAST IN PLACE
6. LIFT HOLES IN PRECAST MANHOLE BASE TO BE SEALED WITH HYDRAULIC CEMENT.
7. PRECAST MANHOLES SHALL BE INSTALLED PER SECTION 02606.
8. BENCHING SHALL BE SHAPED TO MAINTAIN A SMOOTH TRANSITION OF FLOW FOR PIPE ANGLES BETWEEN 90 AND 180 DEGREES, AS REFERENCED TO THE DOWNSTREAM FLOWLINE. NO ANGLES LESS THAN 90 DEGREES WILL BE ALLOWED BETWEEN INCOMING AND OUTGOING PIPES IN MHS.
9. ALL MANHOLES SHALL FOLLOW THE REQUIREMENTS OF SECTION 02630 OF SDI'S TECHNICAL SPECIFICATIONS.

PIPE DIAMETER	MH BASE ID
12" THRU 21"	48"
24" THRU 36"	60"
42" & 48"	72"
60"	90"
72"	108"

STANDARD MANHOLE

N.T.S.

REVISION	BY	DATE

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578-7460
Fax: (859) 331-2436

DATE: MAY 2010
STANDARD DRAWING NO: STM-13

PRELIMINARY

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REVISION	DATE

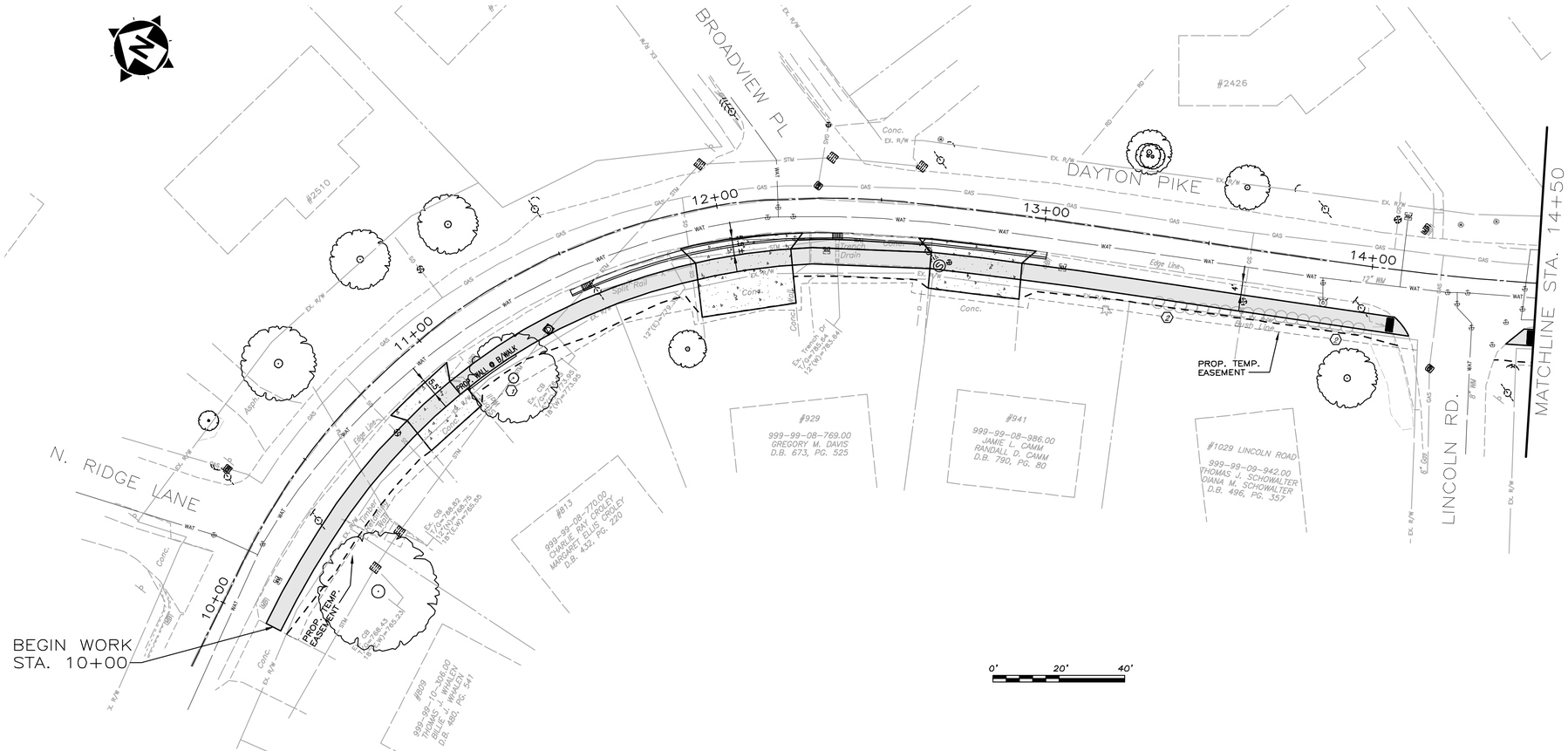
NO				
SCALE:	DATE: 01/29/19	DESIGNED BY: JCOR	DRAWN BY: JCOR	CHECKED BY: RSEI

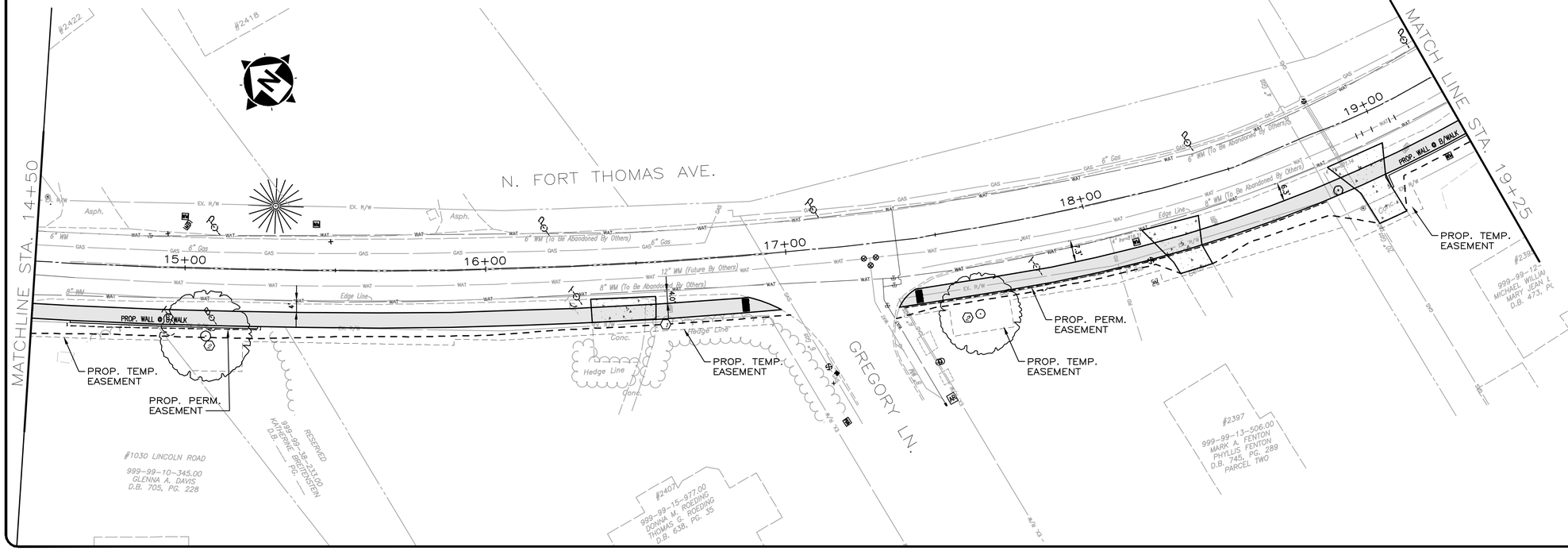
NORTH FORT THOMAS AVE.
SIDEWALK PROJECT
- FORT THOMAS, KY -

DETAILS

PROJECT NO:	
180223	
DRAWING NAME	
DTL	
SHEET	OF
2	13

H:\2018\180223\DWG\BASE\C_180223-BASE - 1B.DWG - DTL - 2/11/2019 12:28:23 PM - ROBERT SEITZINGER





CONSTRUCTION NOTES

1. EXISTING TREE/BUSH TO BE TRIMMED
2. EXISTING TREE/BUSH TO BE REMOVED

PRELIMINARY

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NO	REVISION	DATE

SCALE:
DATE: 01/29/19
DESIGNED BY: JCOR
DRAWN BY: JCOR
CHECKED BY: RSEI

NORTH FORT THOMAS AVE. SIDEWALK PROJECT

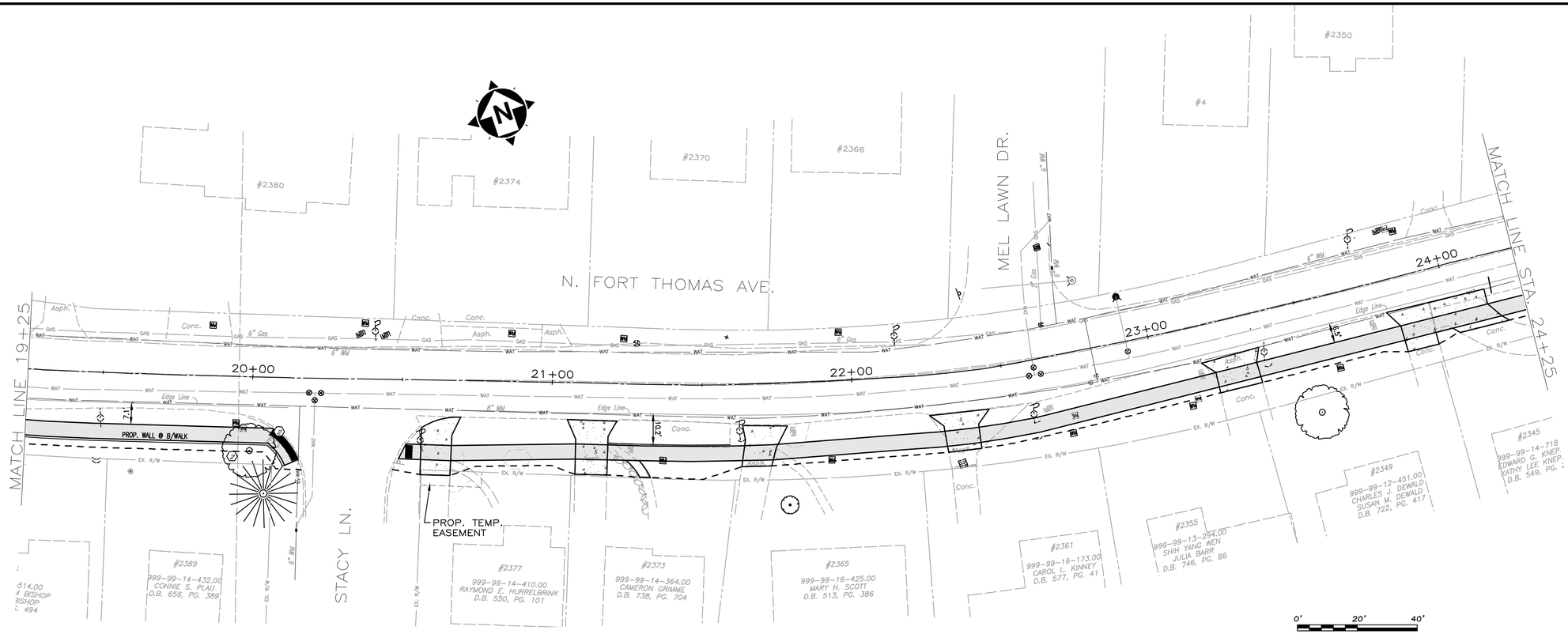
- FORT THOMAS, KY -

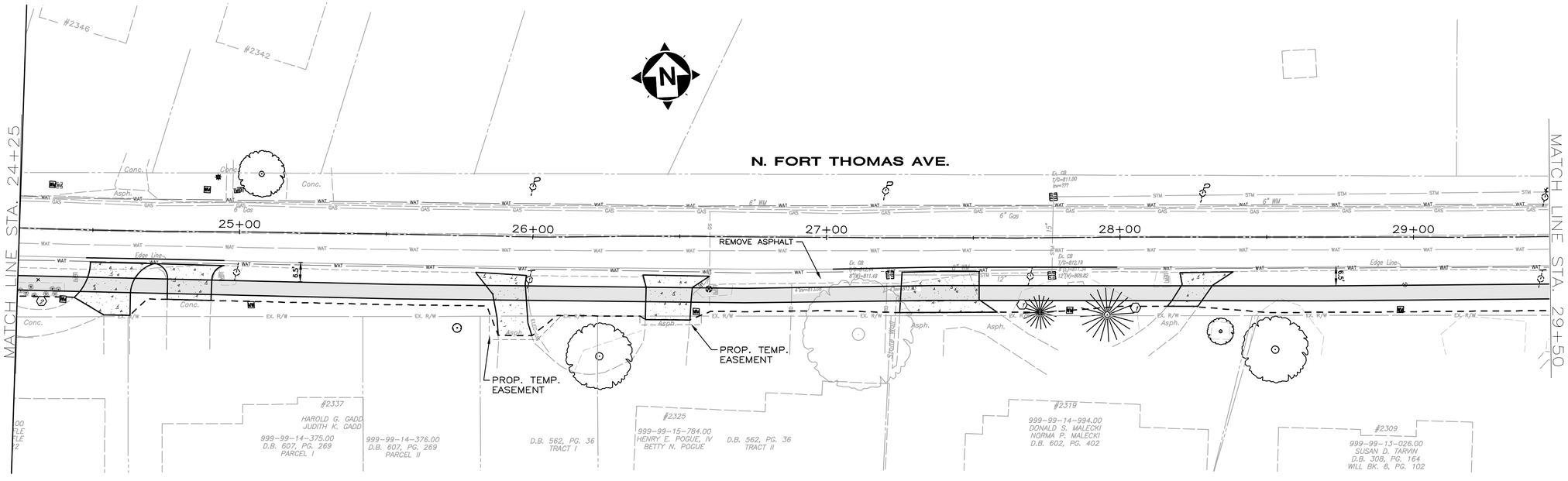
PLAN SHEET STA.10+00 TO STA.19+25

PROJECT NO: 180223
DRAWING NAME: PLN-1
SHEET 3 OF 13

CONSTRUCTION NOTES

1. EXISTING TREE/BUSH TO BE TRIMMED
2. EXISTING TREE/BUSH TO BE REMOVED





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DRAWN BY: JCOR
CHECKED BY: RSEI

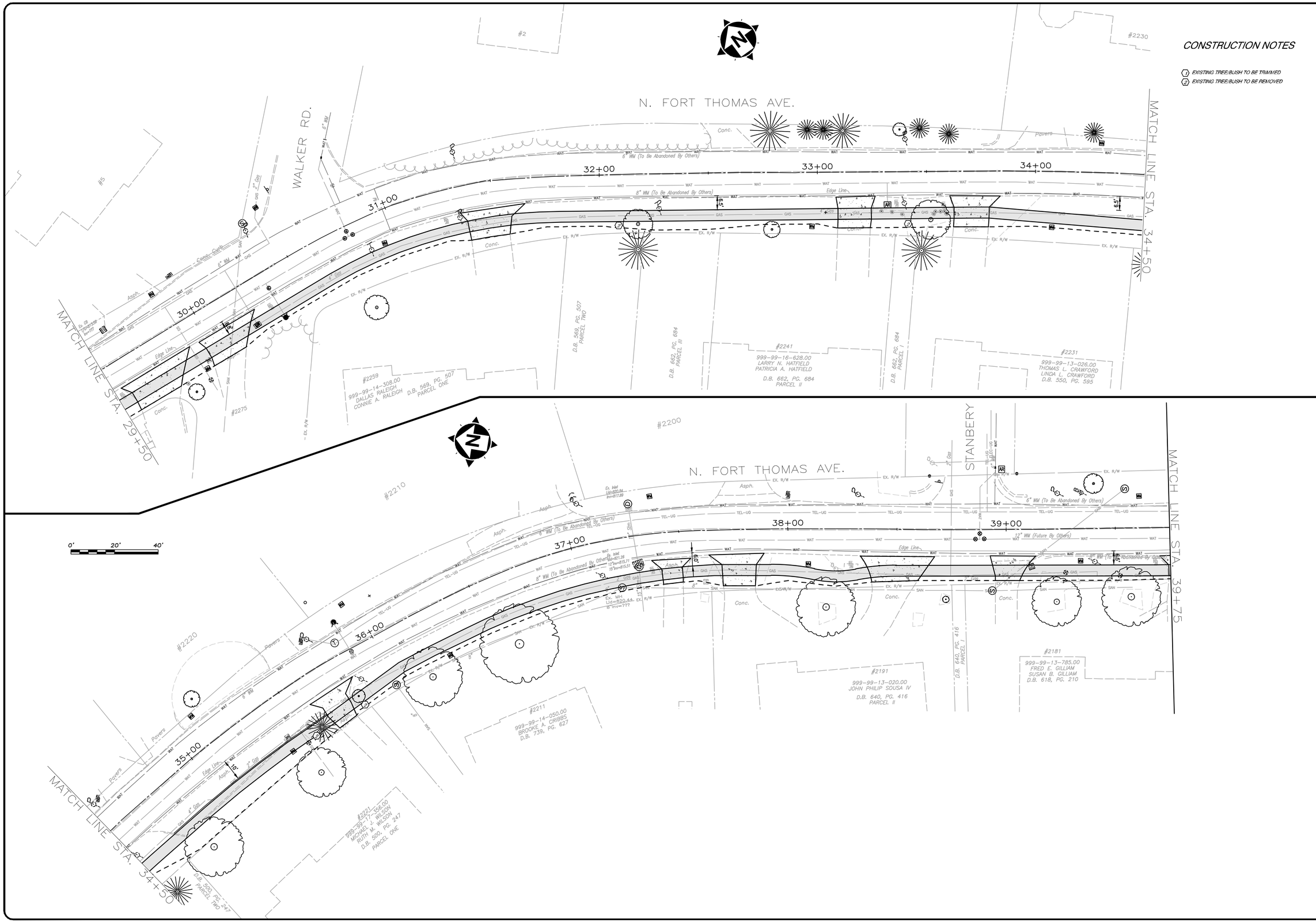
NORTH FORT THOMAS AVE. SIDEWALK PROJECT
- FORT THOMAS, KY -

PLAN SHEET
STA.19+25 TO STA.29+50

PROJECT NO: 180223

DRAWING NAME: PLN-2

SHEET 4 OF 13



CONSTRUCTION NOTES

1. EXISTING TREE/BUSH TO BE TRIMMED
2. EXISTING TREE/BUSH TO BE REMOVED

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DESIGNED BY: JCOR
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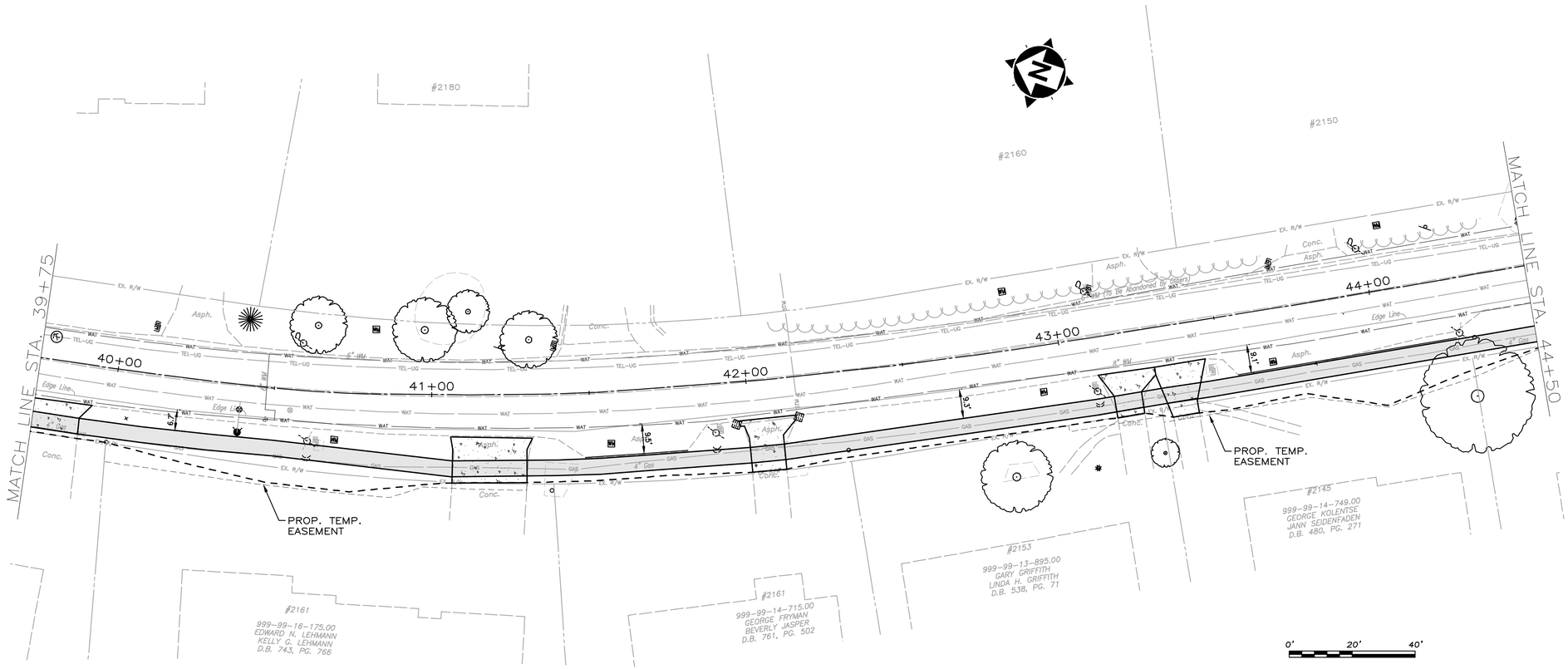
NORTH FORT THOMAS AVE. SIDEWALK PROJECT
- FORT THOMAS, KY -

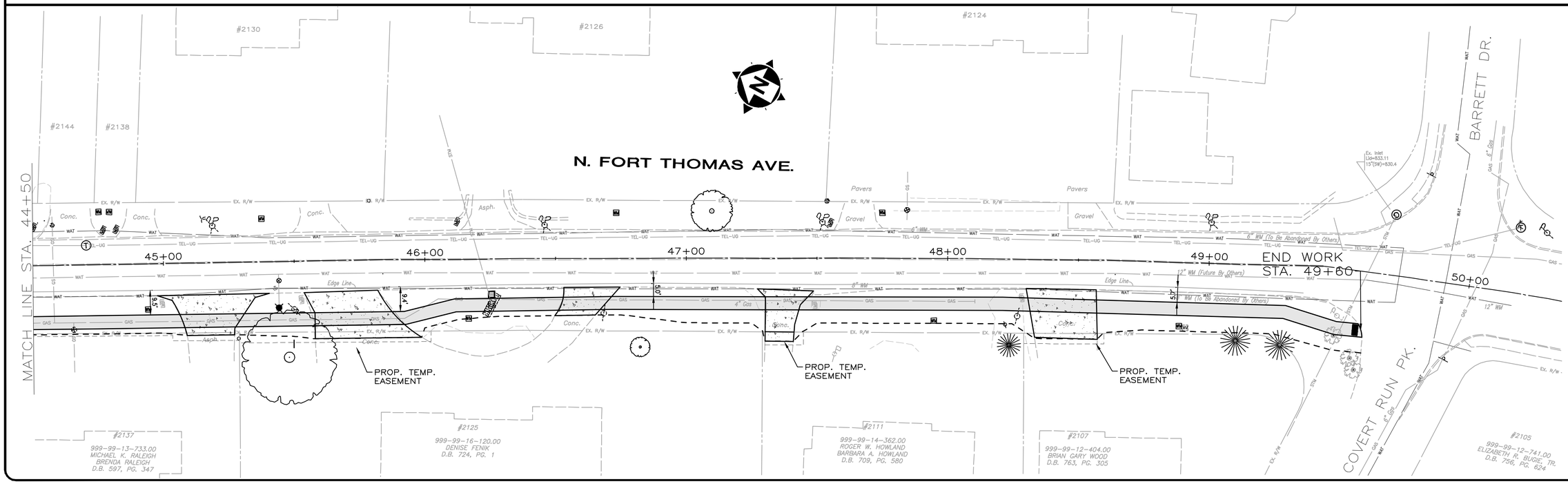
PLAN SHEET STA.29+50 TO STA.39+75

PROJECT NO: 180223
DRAWING NAME: PLN-3
SHEET 5 OF 13

CONSTRUCTION NOTES

(1) EXISTING TREE/BUSH TO BE TRIMMED
(2) EXISTING TREE/BUSH TO BE REMOVED





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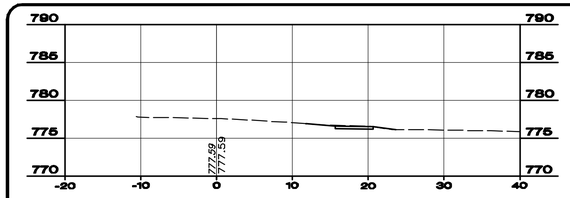
DRAWN BY: JCOR
CHECKED BY: RSEI

NORTH FORT THOMAS AVE. SIDEWALK PROJECT
- FORT THOMAS, KY -

PLAN SHEET STA.39+75 TO STA.49+60

PROJECT NO: 180223
DRAWING NAME: PLN-4
SHEET 6 OF 13



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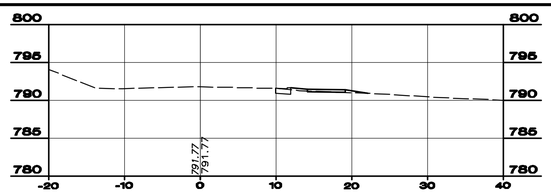

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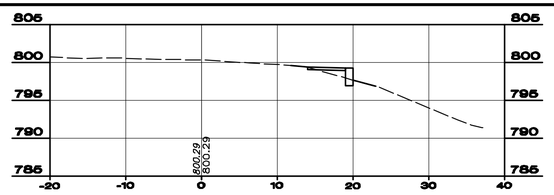

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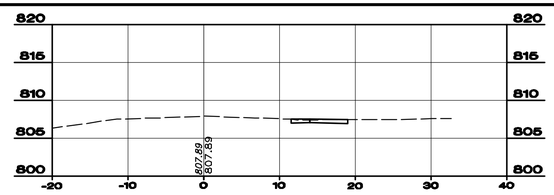

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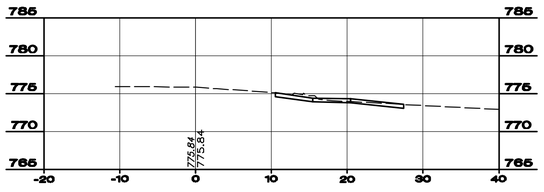

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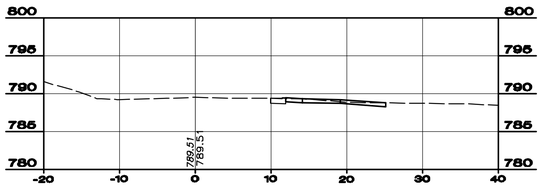

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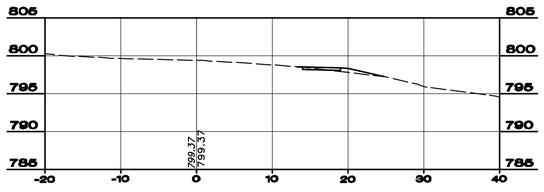

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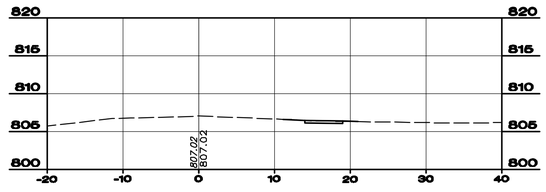

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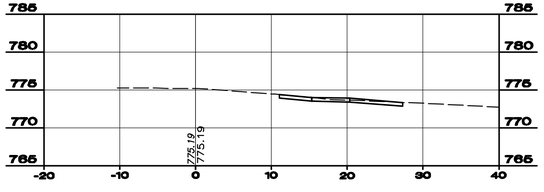

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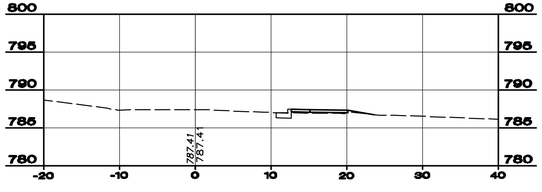

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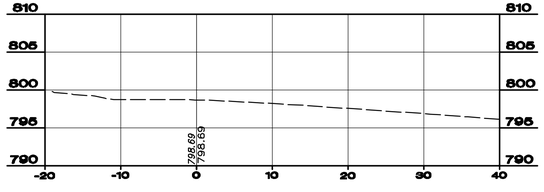

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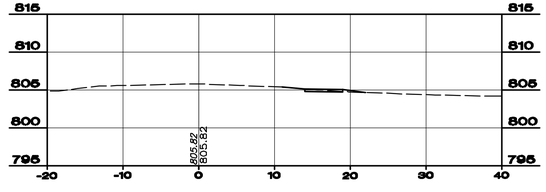

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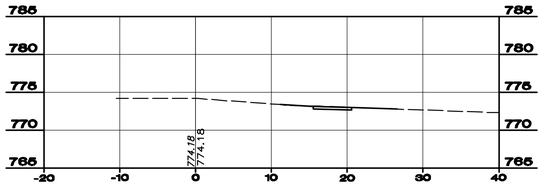

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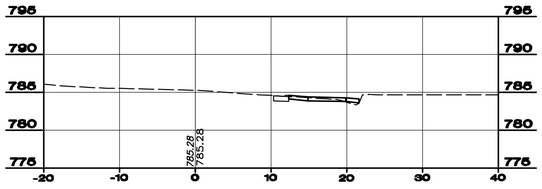

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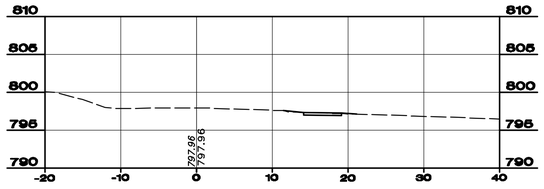

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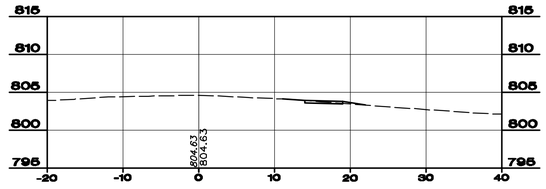

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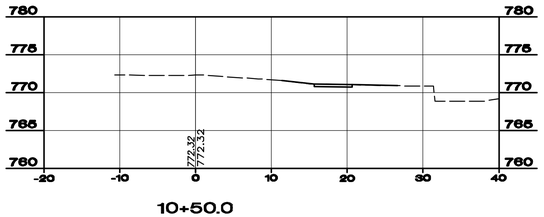

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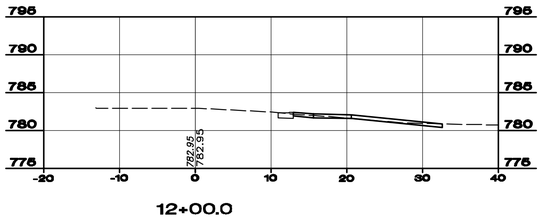

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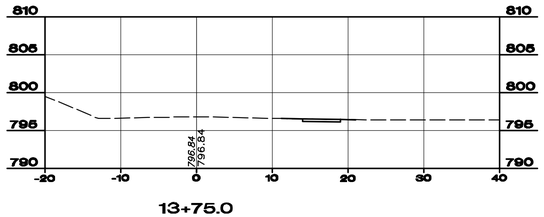

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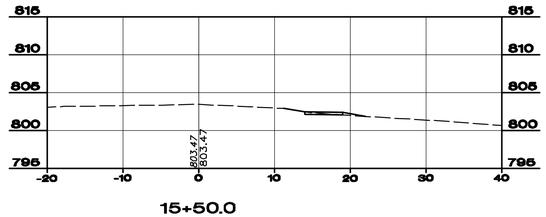

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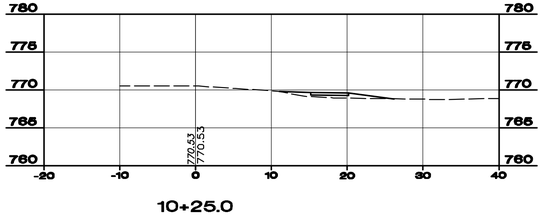

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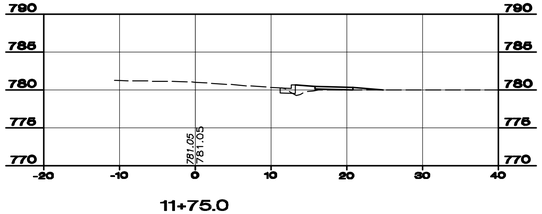

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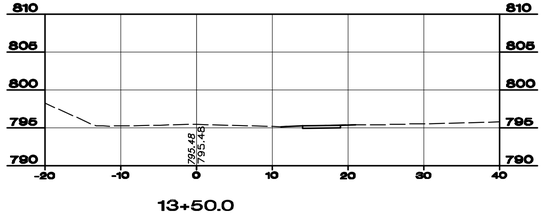

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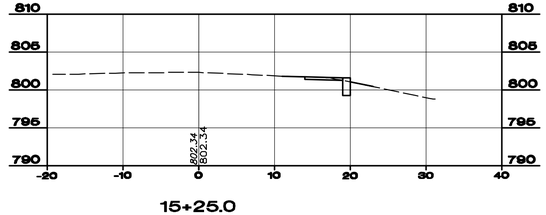

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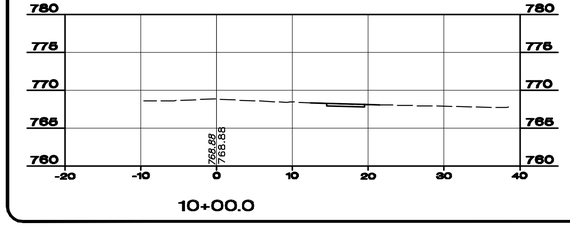

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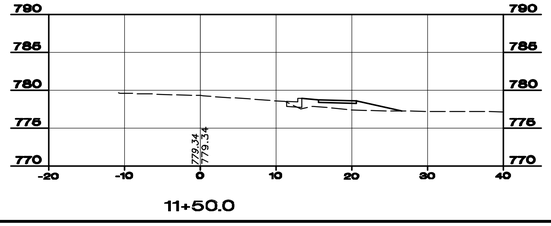

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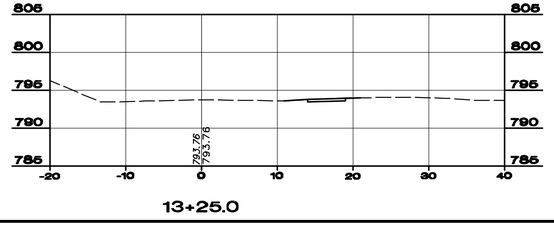

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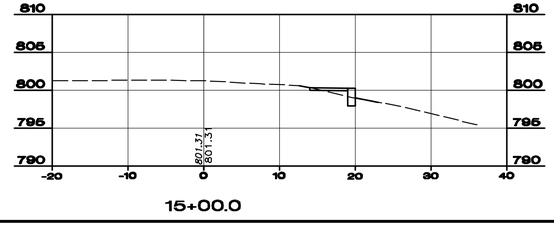

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PRELIMINARY

your trusted advisor consultants engineers architects planners

NO	REVISION	DATE

SCALE:	
DATE:	01/29/19
DESIGNED BY:	JCOR
DRAWN BY:	JCOR
CHECKED BY:	RSEI

NORTH FORT THOMAS AVE.
SIDEWALK PROJECT
- FORT THOMAS, KY -

CROSS SECTIONS
STA.10+25 TO STA.16+43.2

PROJECT NO:	
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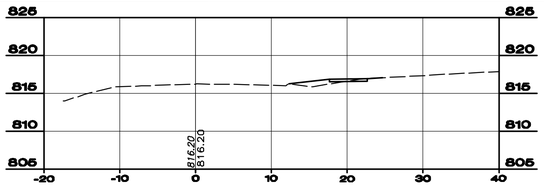
DRAWING NAME	
XS-1	
SHEET	OF
7	13



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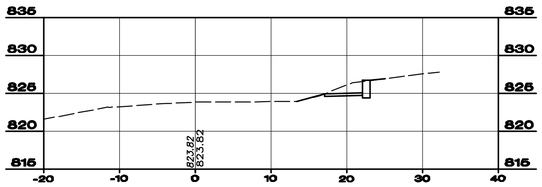

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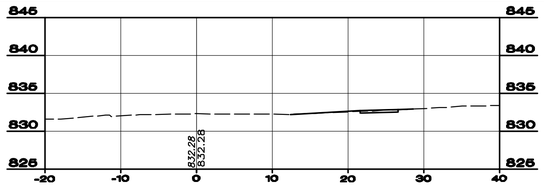

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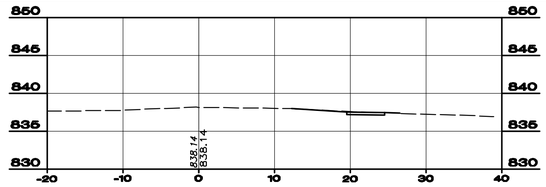

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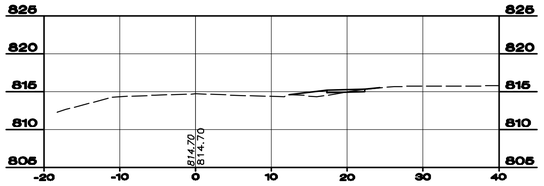

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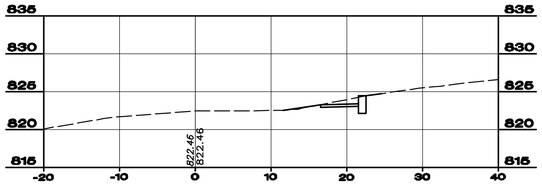

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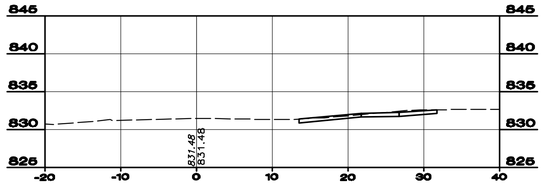

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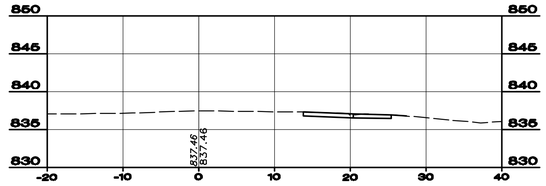

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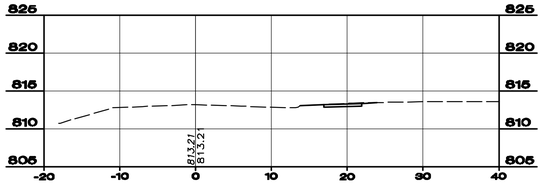

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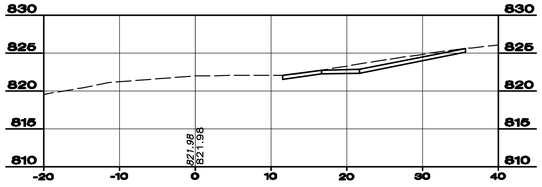

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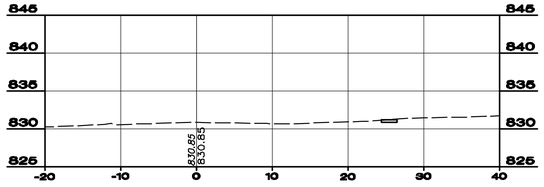

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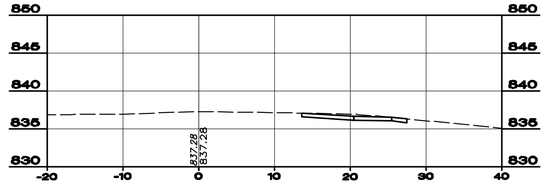

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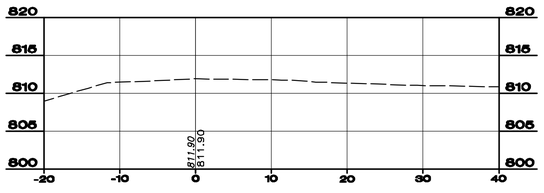

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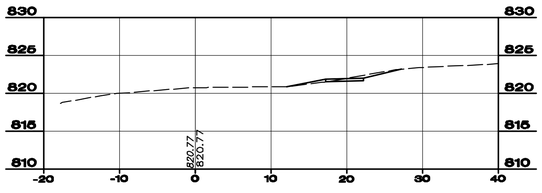

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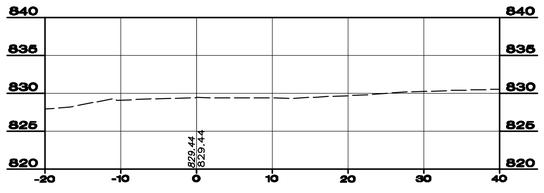

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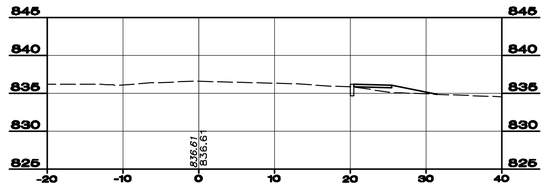

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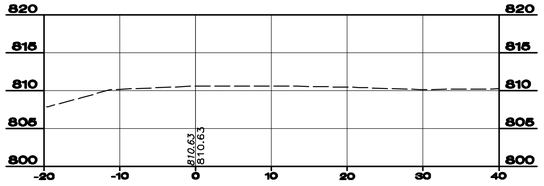

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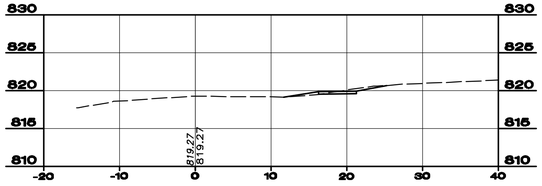

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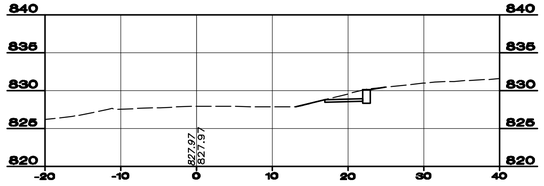

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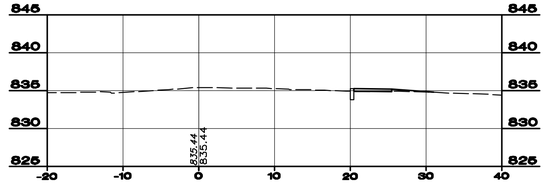

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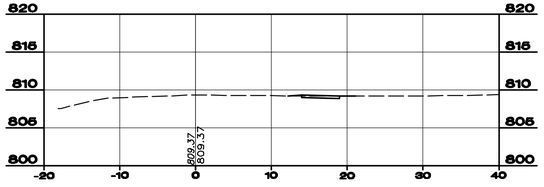

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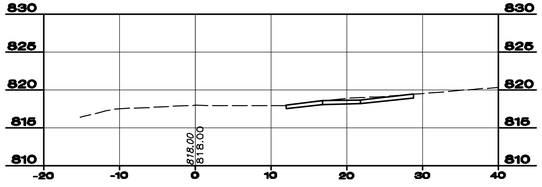

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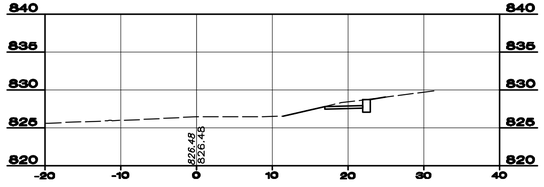

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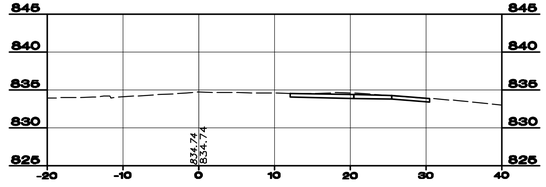

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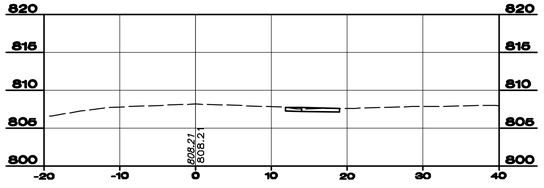

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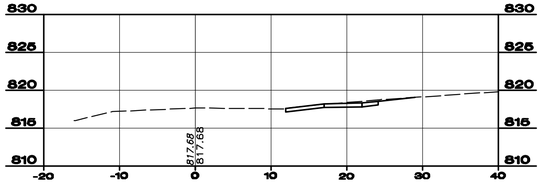

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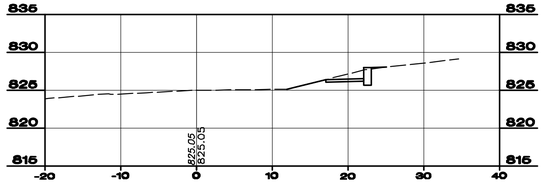

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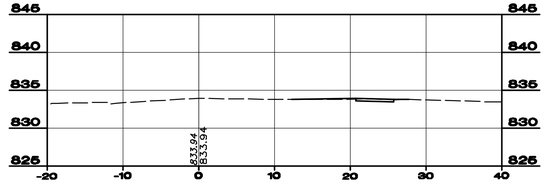

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PRELIMINARY

your trusted advisor consultants engineers architects planners

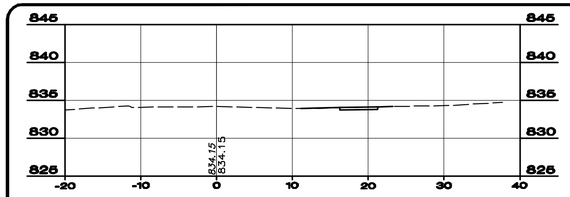
NO	REVISION	DATE

SCALE:
DATE: 01/28/19
DESIGNED BY: JCOR
DRAWN BY: JCOR
CHECKED BY: RSEI

NORTH FORT THOMAS AVE.
SIDEWALK PROJECT
- FORT THOMAS, KY -

CROSS SECTIONS
STA.16+50 TO STA.22+00

PROJECT NO: 180223
DRAWING NAME: XS-2
SHEET: 8 OF: 13



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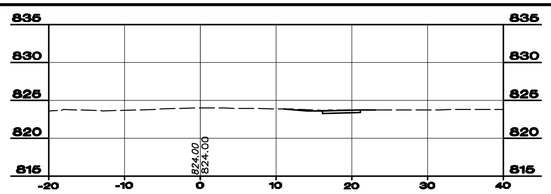

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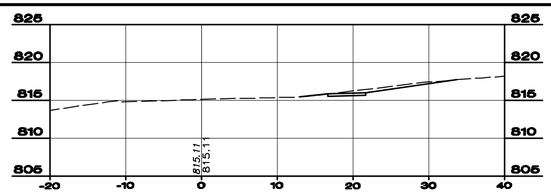

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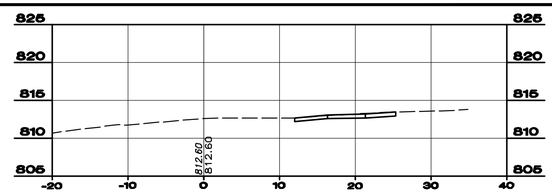

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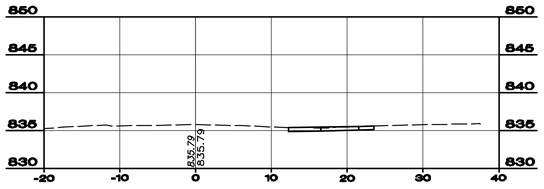

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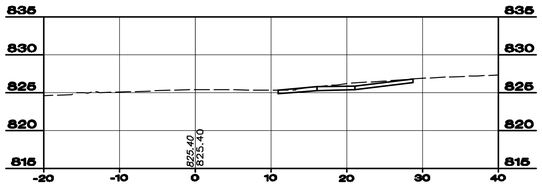

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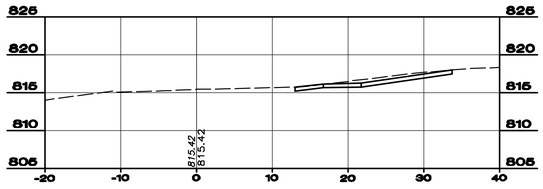

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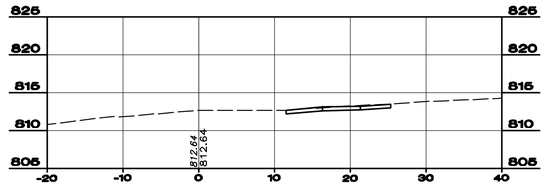

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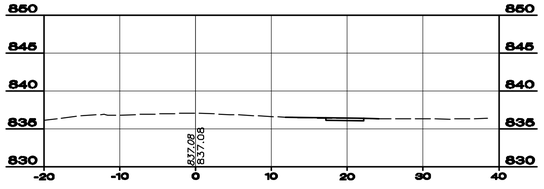

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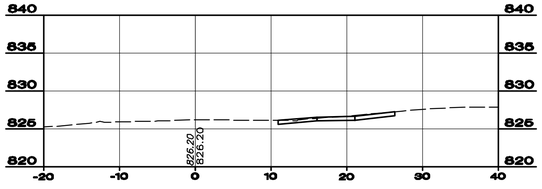

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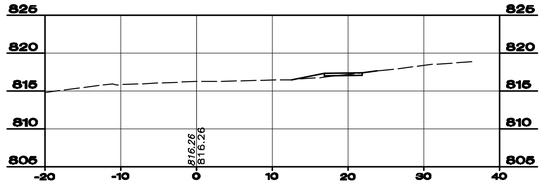

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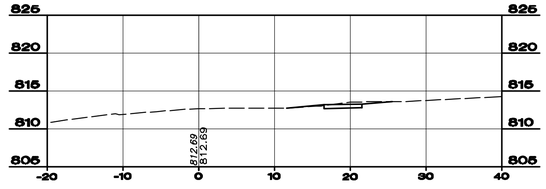

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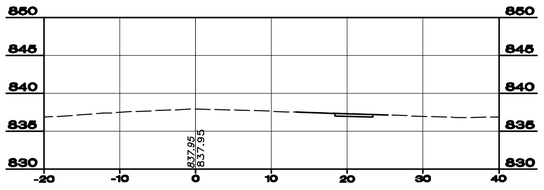

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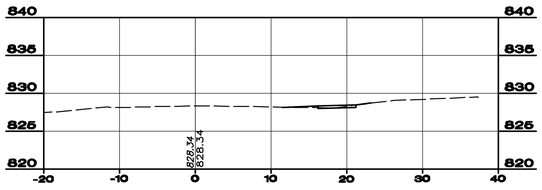

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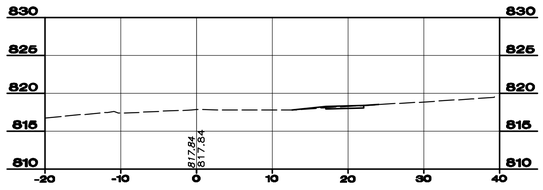

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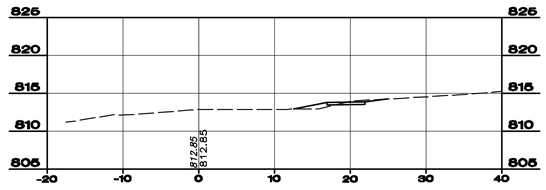

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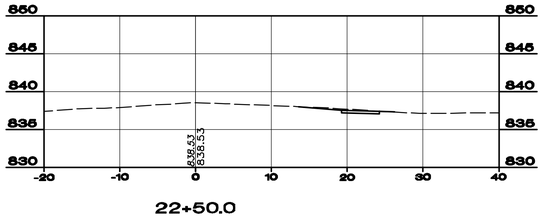

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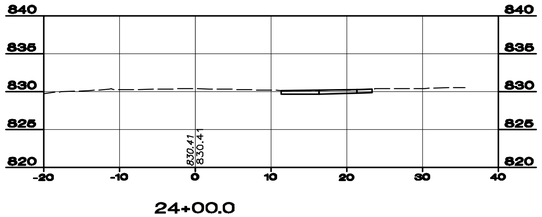

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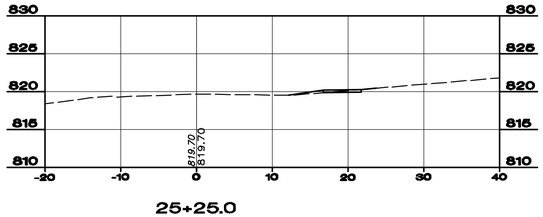

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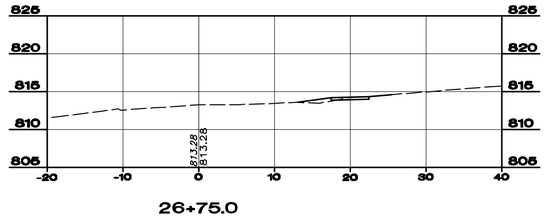

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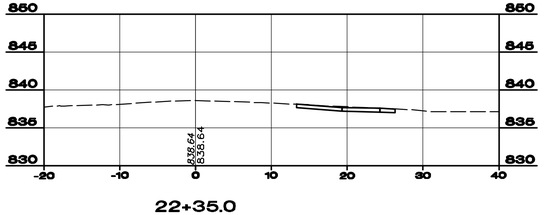

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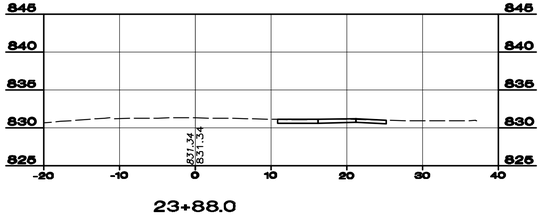

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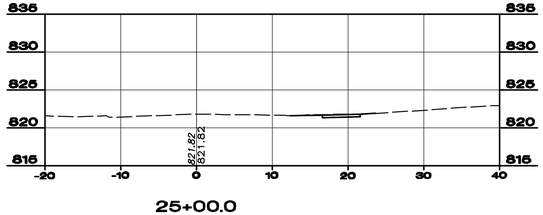

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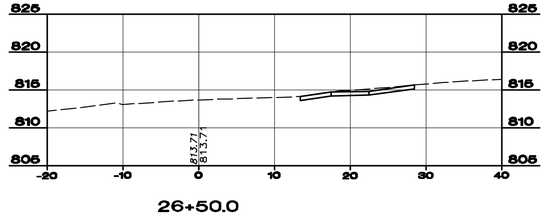

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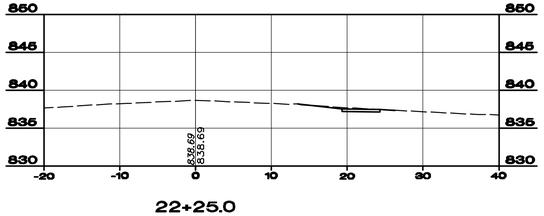

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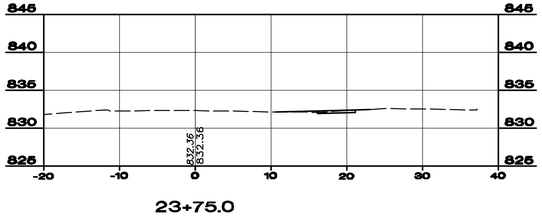

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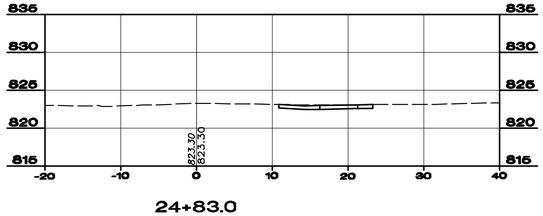

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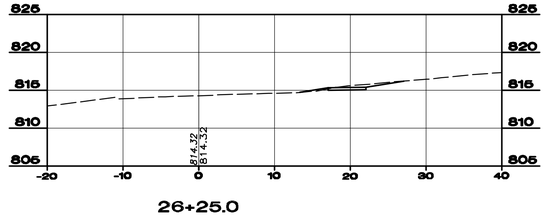

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PRELIMINARY

your trusted advisor consultants engineers architects planners

NO	REVISION	DATE

SCALE:
DATE: 01/29/19
DESIGNED BY: JCOR
DRAWN BY: JCOR
CHECKED BY: RSEI

NORTH FORT THOMAS AVE. SIDEWALK PROJECT

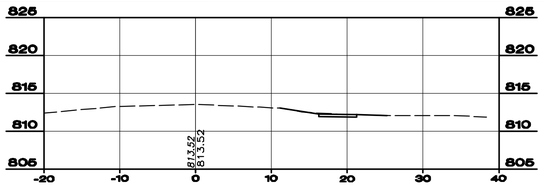
- FORT THOMAS, KY -

CROSS SECTIONS STA.22+25 TO STA.27+50

PROJECT NO: 180223

DRAWING NAME: XS-3

SHEET 9 OF 13



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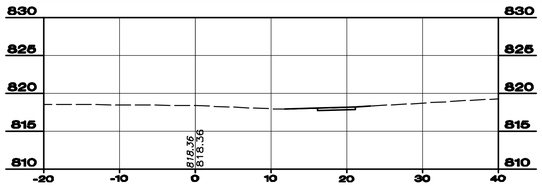

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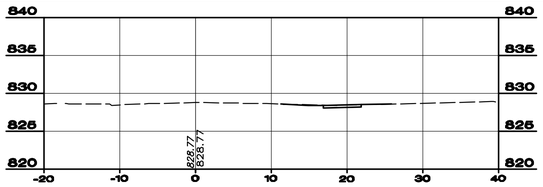

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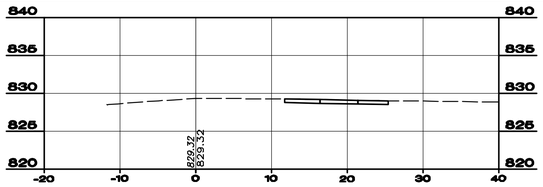

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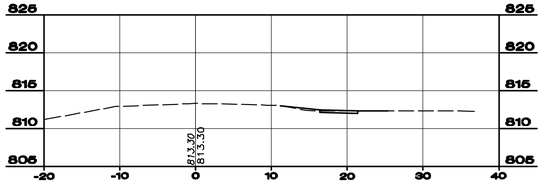

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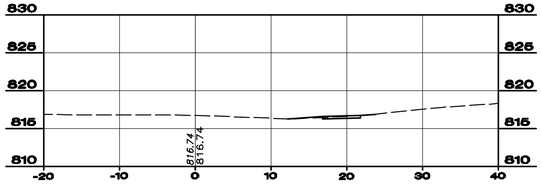

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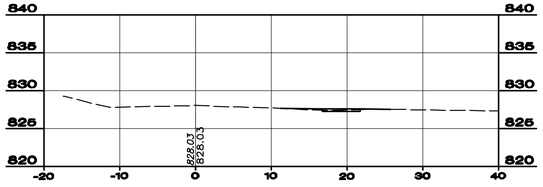

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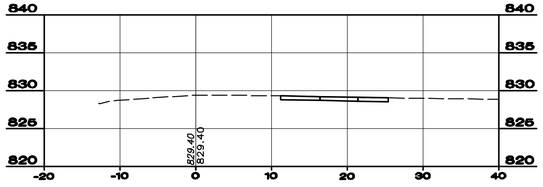

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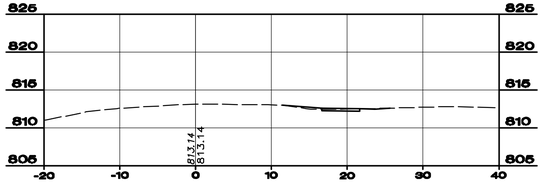

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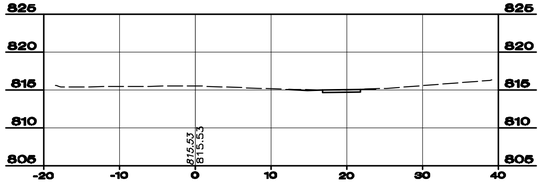

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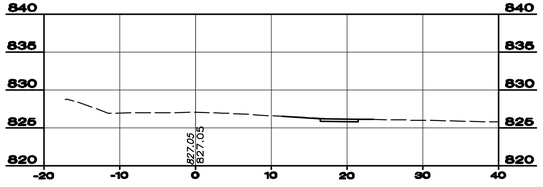

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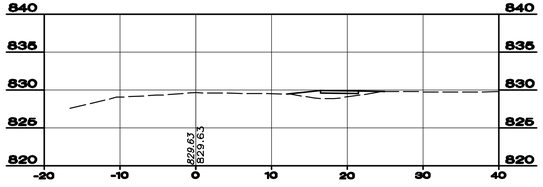

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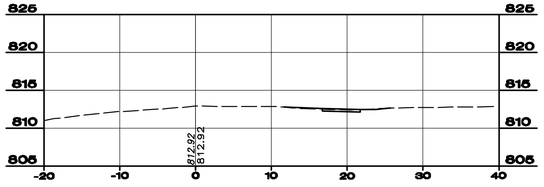

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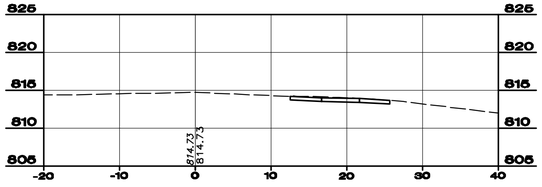

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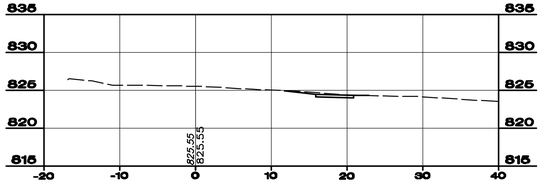

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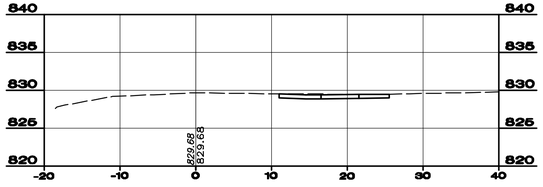

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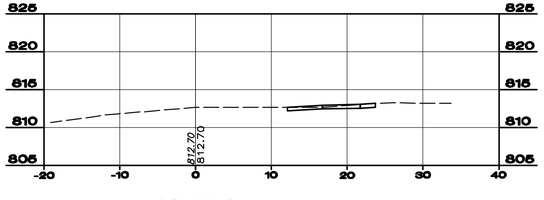

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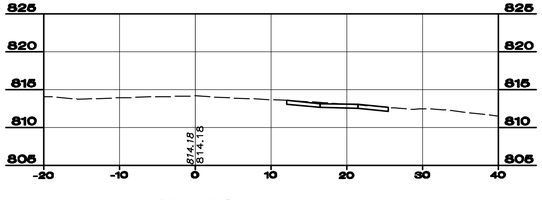

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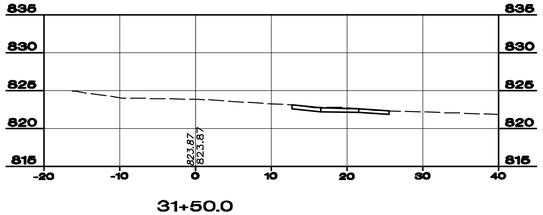

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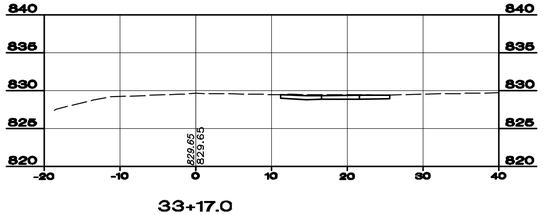

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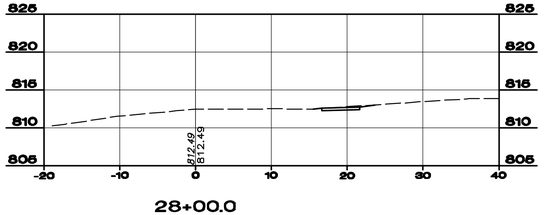

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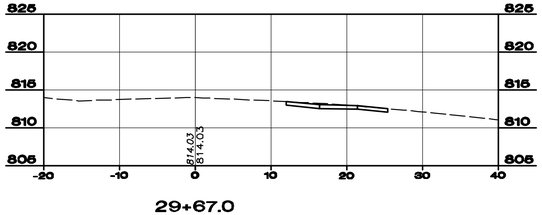

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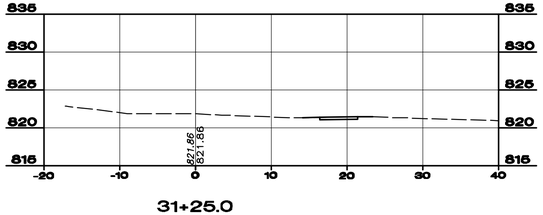

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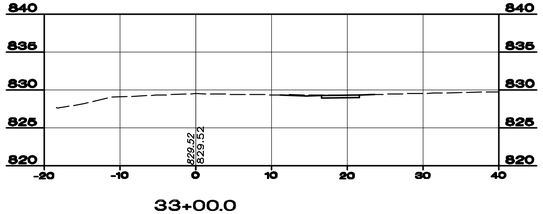

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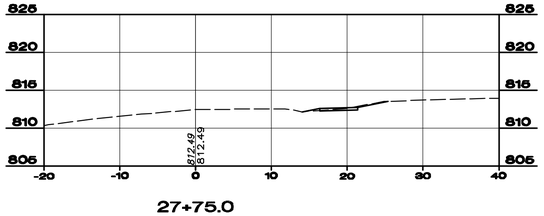

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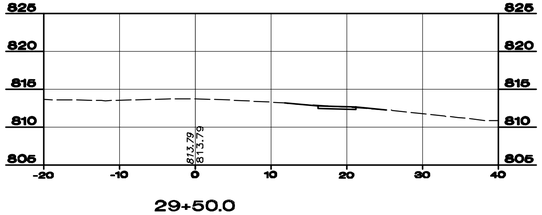

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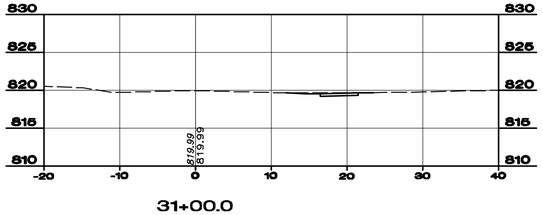

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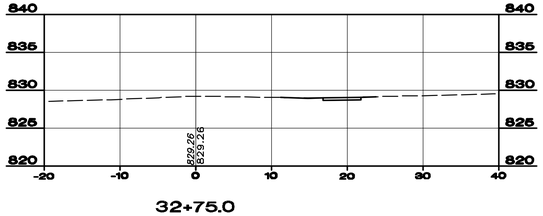

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PRELIMINARY

your trusted advisor consultants engineers architects planners

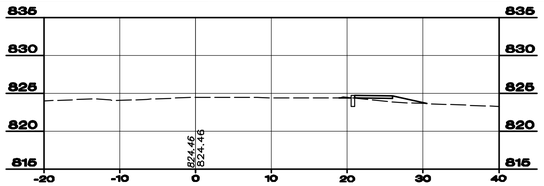
NO	REVISION	DATE

SCALE:
DATE: 01/29/19
DESIGNED BY: JCOR
DRAWN BY: JCOR
CHECKED BY: RSEI

NORTH FORT THOMAS AVE.
SIDEWALK PROJECT
- FORT THOMAS, KY -

CROSS SECTIONS
STA.27+75 TO STA.33+75

PROJECT NO:	
180223	
DRAWING NAME	
XS-4	
SHEET	OF
10	13



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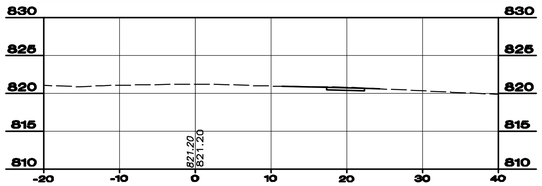

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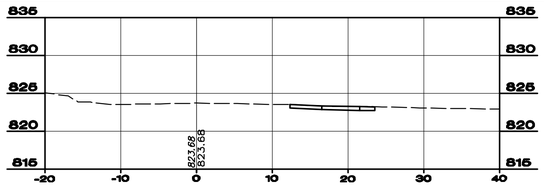

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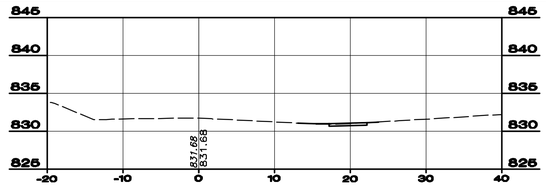

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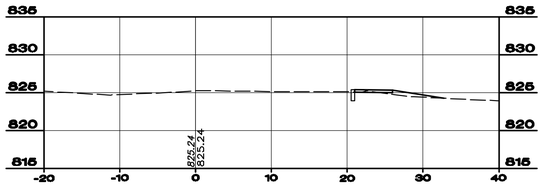

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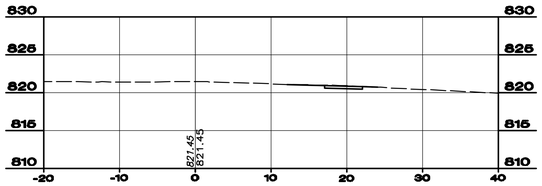

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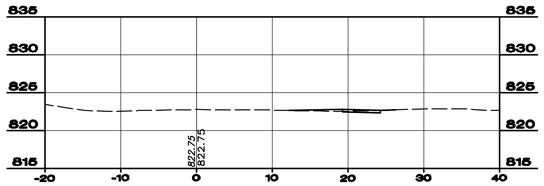

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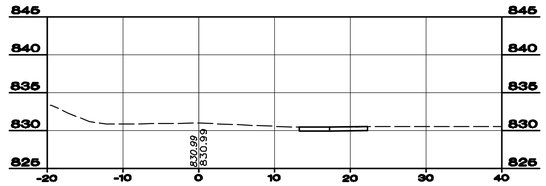

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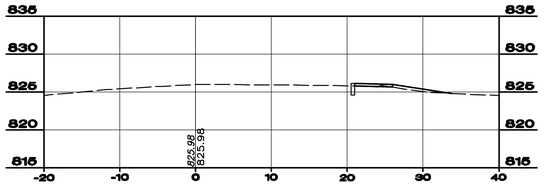

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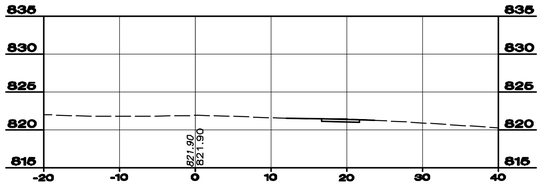

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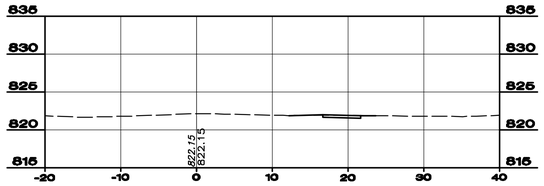

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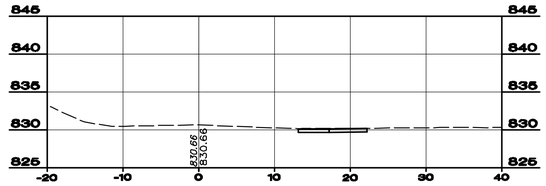

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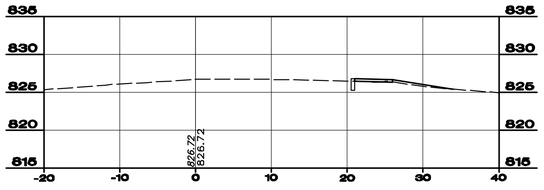

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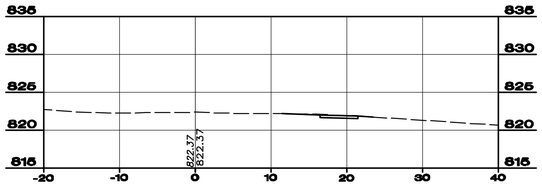

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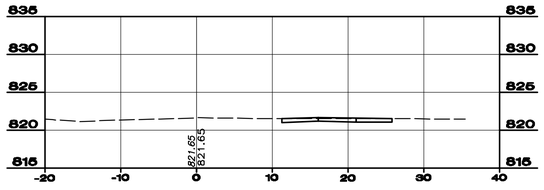

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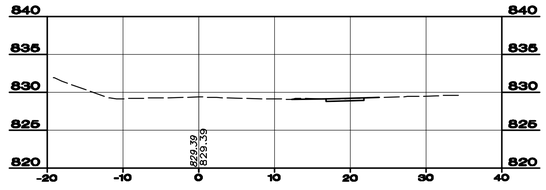

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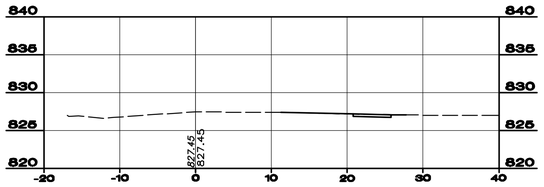

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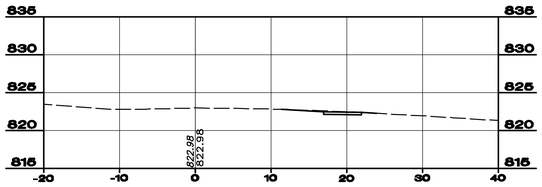

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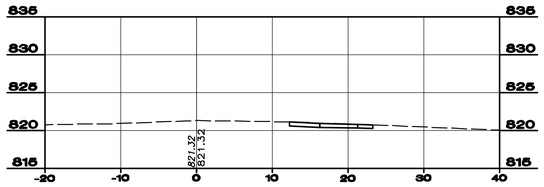

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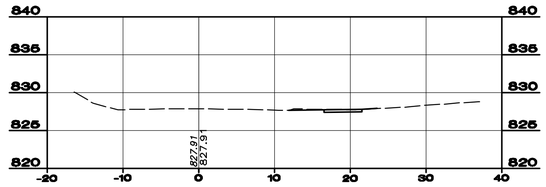

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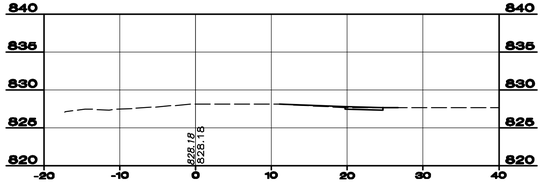

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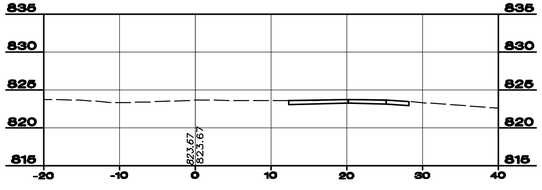

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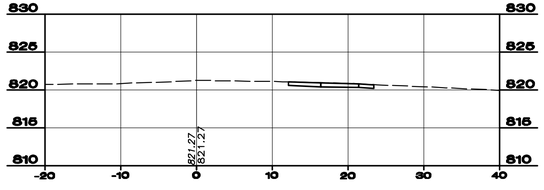

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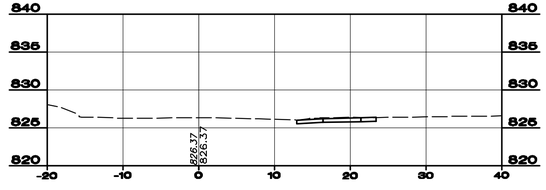

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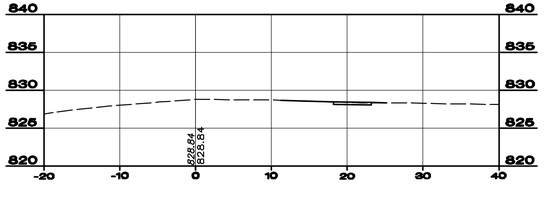

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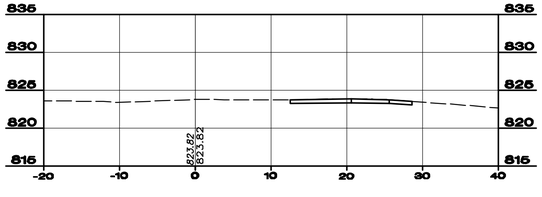

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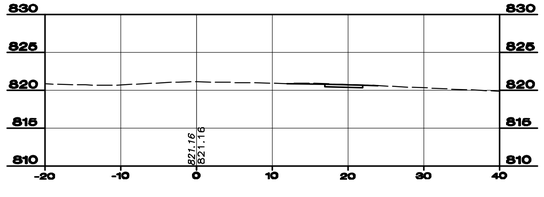

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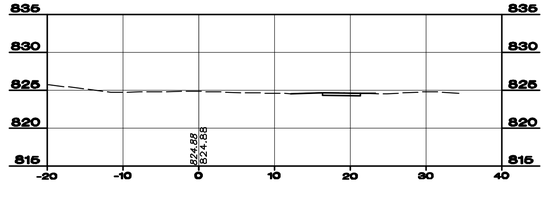

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PRELIMINARY

your trusted advisor consultants engineers architects planners

NO	REVISION	DATE

SCALE:
DATE: 01/29/19
DESIGNED BY: JCOR
DRAWN BY: JCOR
CHECKED BY: RSEI

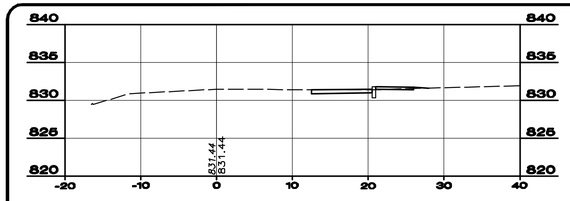
NORTH FORT THOMAS AVE.
SIDEWALK PROJECT
- FORT THOMAS, KY -

CROSS SECTIONS
STA.34+00 TO STA.40+00

PROJECT NO: 180223

DRAWING NAME: XS-5

SHEET 11 OF 13



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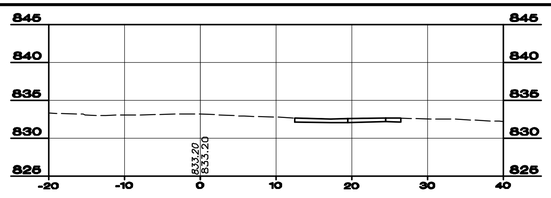

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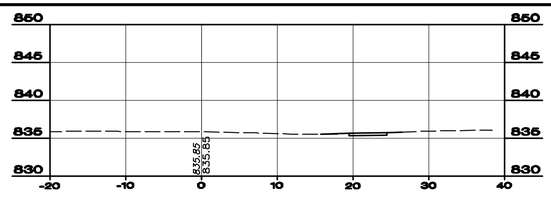

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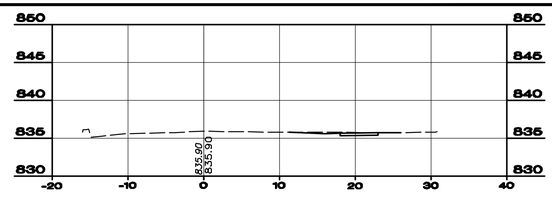

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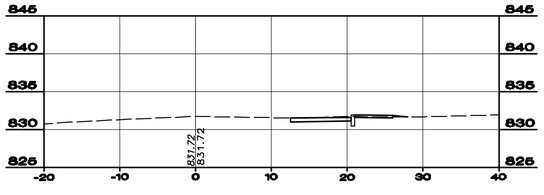

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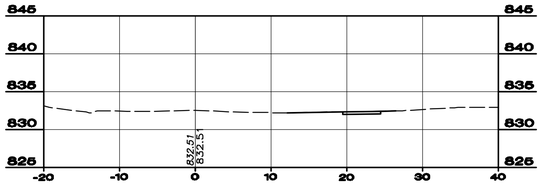

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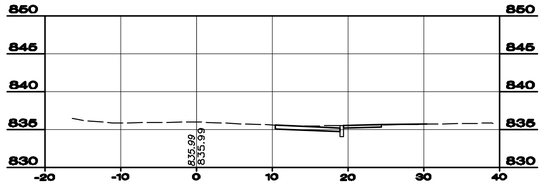

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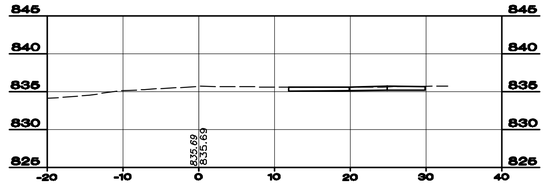

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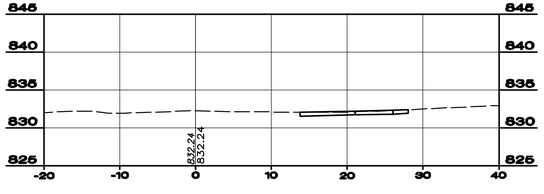

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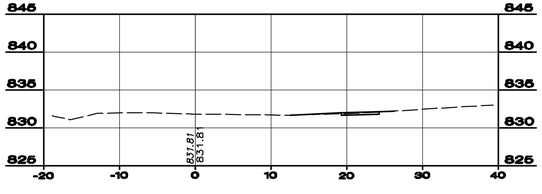

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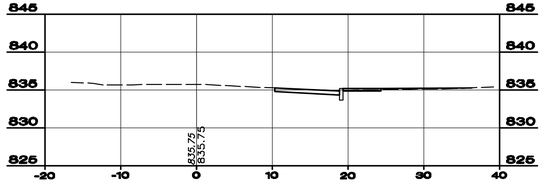

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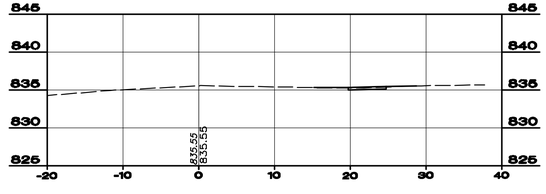

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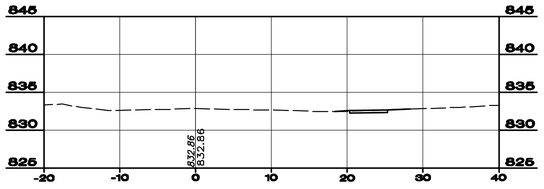

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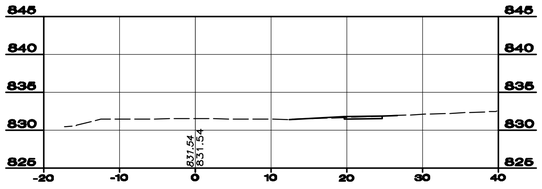

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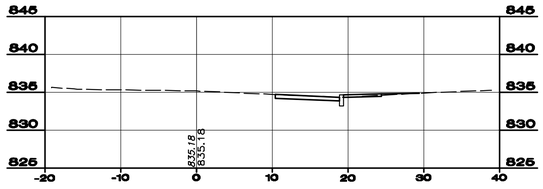

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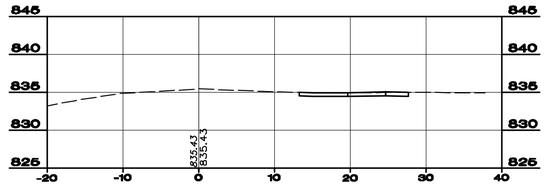

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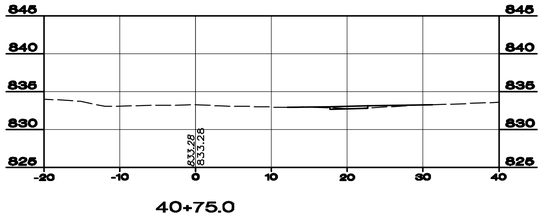

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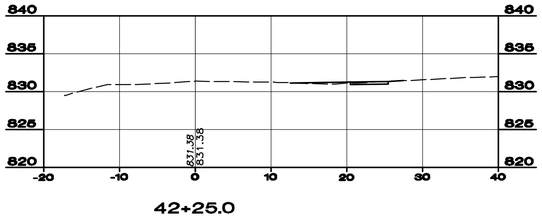

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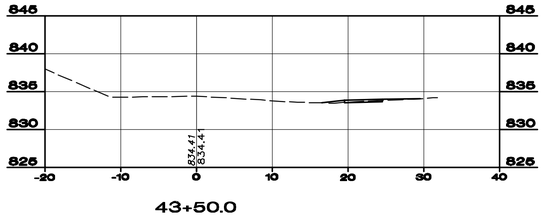

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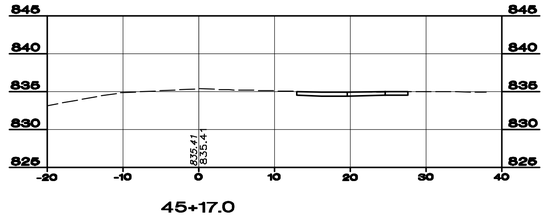

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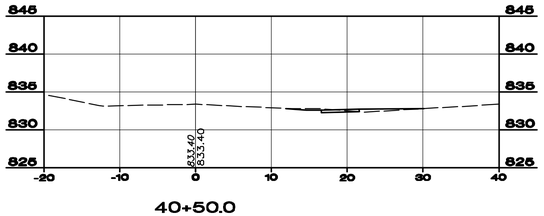

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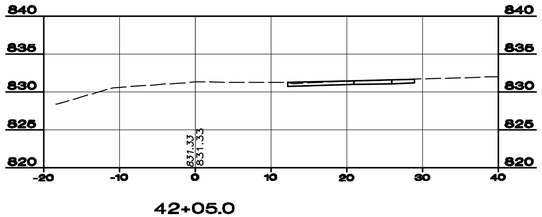

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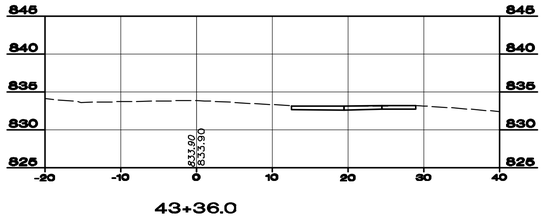

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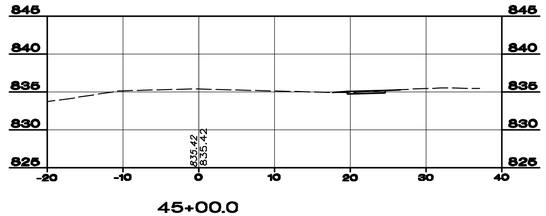

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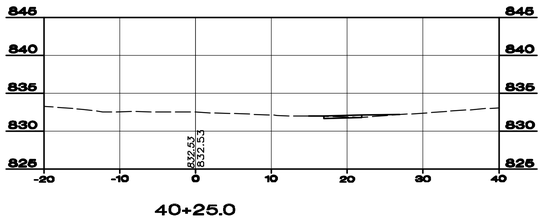

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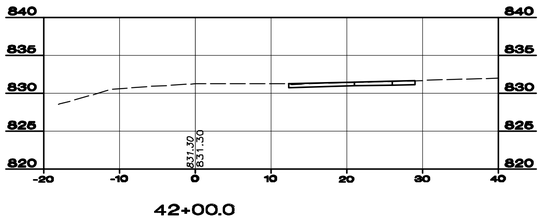

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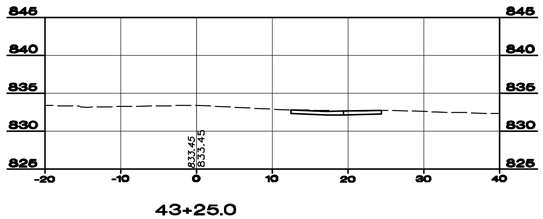

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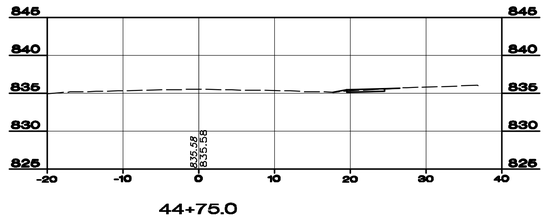

44+75.0

PRELIMINARY

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NO	REVISION	DATE

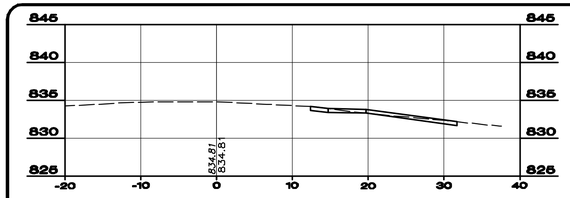
SCALE:	
DATE:	01/29/19
DESIGNED BY:	JCOR
DRAWN BY:	JCOR
CHECKED BY:	RSEI

NORTH FORT THOMAS AVE. SIDEWALK PROJECT

- FORT THOMAS, KY -

CROSS SECTIONS STA.40+25 TO STA.46+00

PROJECT NO:	
180223	
DRAWING NAME	
XS-6	
SHEET	OF
12	13



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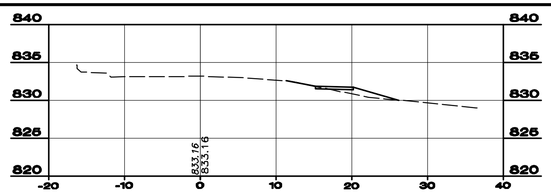

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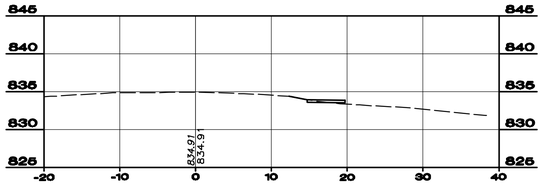

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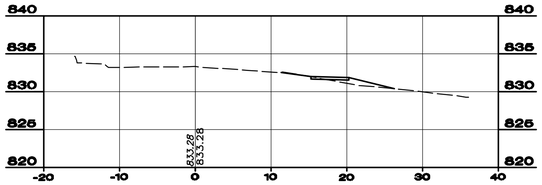

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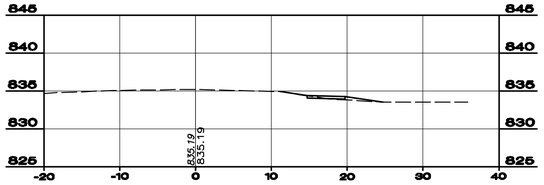

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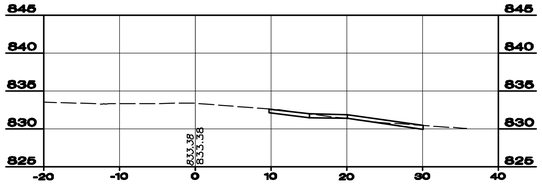

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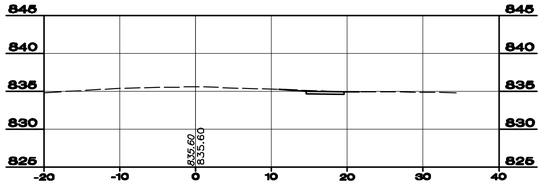

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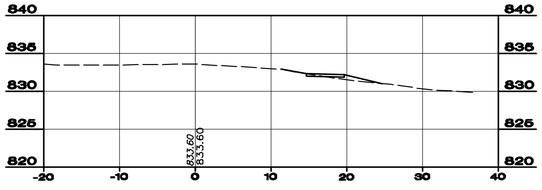

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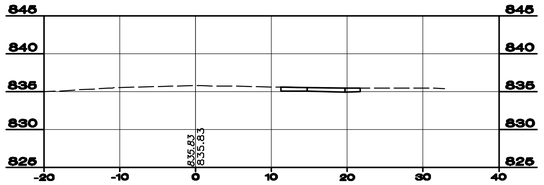

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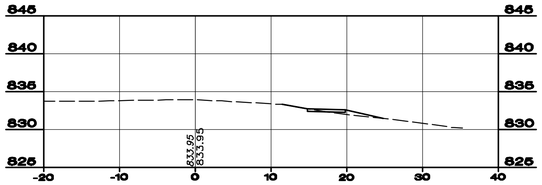

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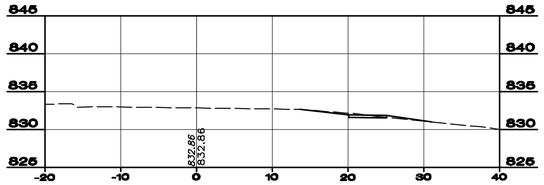

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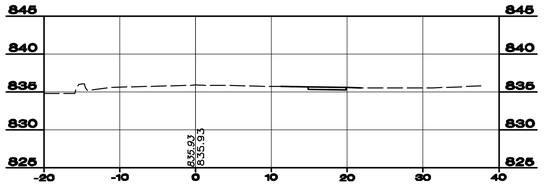

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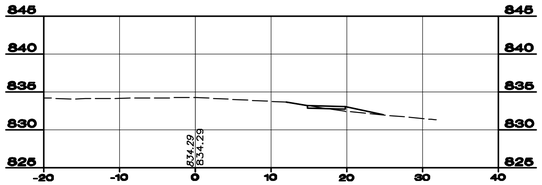

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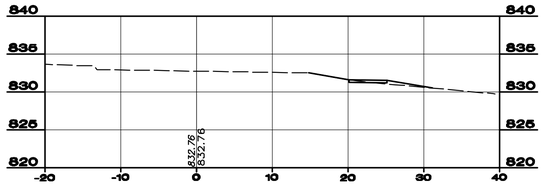

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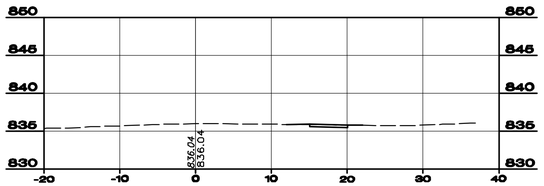

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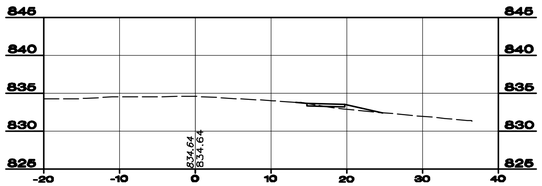

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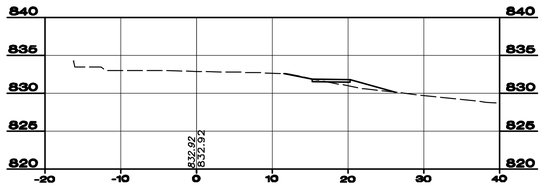

49+25.0

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SCALE:	
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DESIGNED BY:	JCOR
DRAWN BY:	JCOR
CHECKED BY:	RSEI

NORTH FORT THOMAS AVE. SIDEWALK PROJECT

- FORT THOMAS, KY -

CROSS SECTIONS STA.46+25 TO STA.49+59.8

PROJECT NO:	
180223	
DRAWING NAME	
XS-7	
SHEET	OF
13	13