

INCREASED SIZE OF CUL-DE-SAC TO IMPROVE TURNING MOVEMENTS

EXISTING EDGE OF PAVEMENT

RELOCATE FIRE HYDRANT

GARDEN WAY

EXISTING SIDEWALK

RECOMMEND EXTENDING SIDEWALK

RELOCATE UTILITY POLE

BECKRIDGE DR

STOP

HIGH POINT

CHARTER OAK RD

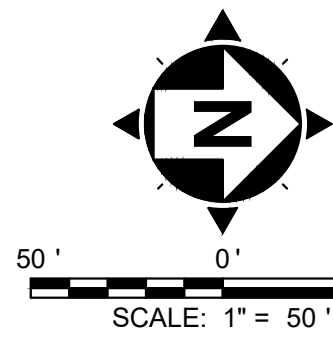
MATCHLINE 11+50

The profile view displays the proposed road grade (solid line) and existing ground surface (dashed line) over a 12-station distance. The vertical axis represents elevation in feet, ranging from 835 to 890. The horizontal axis represents distance in stations, from 0 to 12. Key features include:

- Vertical Curves:** Indicated by dashed vertical lines at stations 6.0 (Garden Way CL), 7.8 (Timber Ridge CL), and 10.0 (Beckridge Drive CL).
- Sight Distance:** Calculated for two points on the profile. The first sight distance is 297 feet, and the second is 495 feet. The sight line is shown as a solid line above the ground surface.
- Elevation Data:** Elevation values are provided for every station from 0 to 12, ranging from 835.00 to 885.83 feet.
- Ground Surface:** The dashed line represents the existing ground surface, which generally follows the proposed grade but shows some deviations, particularly in the middle section.

|                                                                                                                                                                                                                                                                      |    |                                     |          |             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------|----------|-------------|--|
| <div> <div>  <div> <div>2161 CHAMBER CENTER DRIVE</div> <div>FORT MITCHELL, KENTUCKY 41017</div> <div>TEL: (859) 525-0644</div> <div>WWW.VERDANTAS.COM</div> </div> </div> </div> |    | <div> <div>PRELIMINARY</div> </div> |          |             |  |
|                                                                                                                                                                                                                                                                      |    |                                     |          | DATE        |  |
|                                                                                                                                                                                                                                                                      |    |                                     |          | REVISION    |  |
|                                                                                                                                                                                                                                                                      |    |                                     |          | NO          |  |
|                                                                                                                                                                                                                                                                      |    |                                     |          | ISSUED FOR: |  |
| <div> <div> <div> <div>CHARTER OAK ROAD</div> <div>CONCEPTUAL IMPROVEMENTS</div> <div>CITY OF EDGEWOOD, KY</div> </div> <div> <div>OVERLAY AND WIDENING OPTION 2</div> <div>PLAN AND PROFILE 1</div> </div> </div> </div>                                            |    | ISSUE DATE:                         |          |             |  |
|                                                                                                                                                                                                                                                                      |    | SCALE:                              | AS SHOWN |             |  |
|                                                                                                                                                                                                                                                                      |    | DESIGNED BY:                        |          |             |  |
|                                                                                                                                                                                                                                                                      |    | DRAWN BY:                           |          |             |  |
|                                                                                                                                                                                                                                                                      |    | CHECKED BY:                         |          |             |  |
| PROJECT NO.                                                                                                                                                                                                                                                          |    | 23029007                            |          |             |  |
| DISCIPLINE                                                                                                                                                                                                                                                           |    | CIVIL                               |          |             |  |
| SHEET NAME                                                                                                                                                                                                                                                           |    |                                     |          |             |  |
| SHEET                                                                                                                                                                                                                                                                | OF | 1                                   | 5        |             |  |





**HATCH LEGEND**

MILLING AND RESURFACING  
SEE DETAIL SHEET

PROPOSED 12" FULL DEPTH PAVEMENT  
SEE DETAIL SHEET

CONCRETE PAVEMENT  
SEE DETAIL SHEET

6" CONCRETE DRIVEWAY  
REPLACEMENT  
- SEE DETAIL SHEET

4" CONCRETE WALK REPLACEMENT  
- SEE DETAIL SHEET

ASPHALT DRIVEWAY  
REPLACEMENT  
- SEE DETAIL SHEET

POSSIBLE NEW SIDEWALK  
OPTION 1

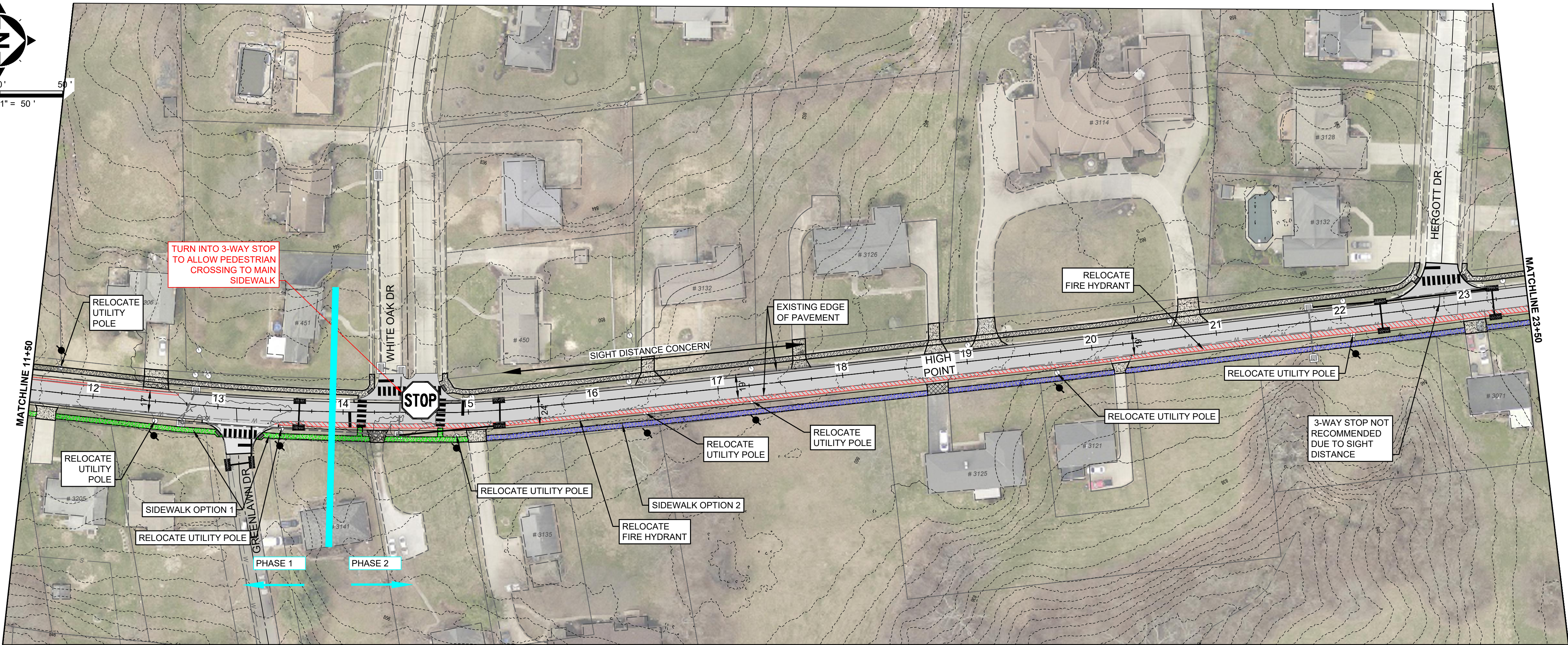
POSSIBLE NEW SIDEWALK  
OPTION 2

PROPOSED CATCH BASIN

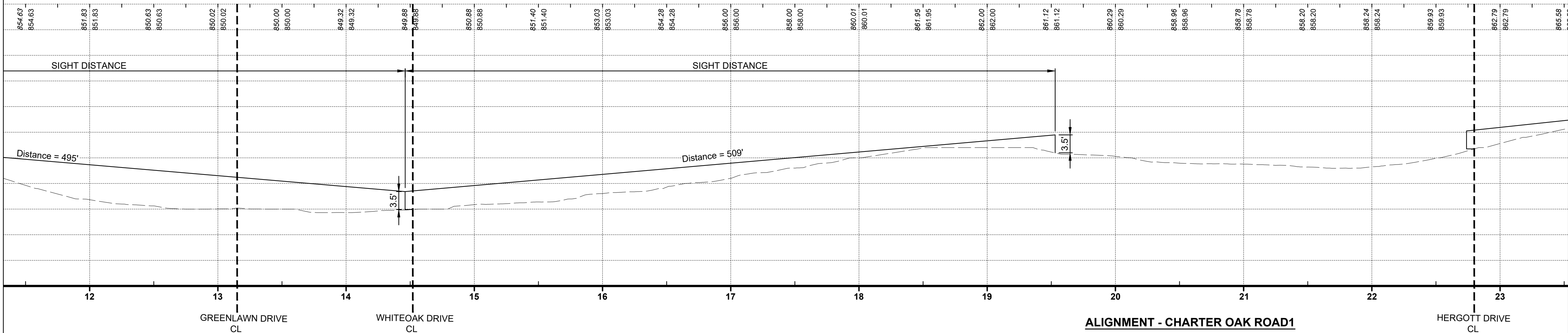
EXISTING CATCH BASIN

EXISTING UTILITY POLE

PROPOSED UTILITY POLE



| Table 4.1-6: Sight Distance Requirements for Exiting Vehicles (Feet) |                                     |     |     |     |     |     |     |     |
|----------------------------------------------------------------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| No. of Lanes                                                         | Posted Speed Limit (Miles per Hour) |     |     |     |     |     |     |     |
|                                                                      | 20                                  | 25  | 30  | 35  | 40  | 45  | 50  | 55  |
| 2-Lane                                                               | 230                                 | 285 | 340 | 400 | 455 | 510 | 570 | 625 |
| 4-Lane                                                               | 245                                 | 305 | 365 | 425 | 485 | 545 | 605 | 665 |



2161 CHAMBER CENTER DRIVE  
FORT MITCHELL, KENTUCKY 41017  
TEL: (859) 525-3544  
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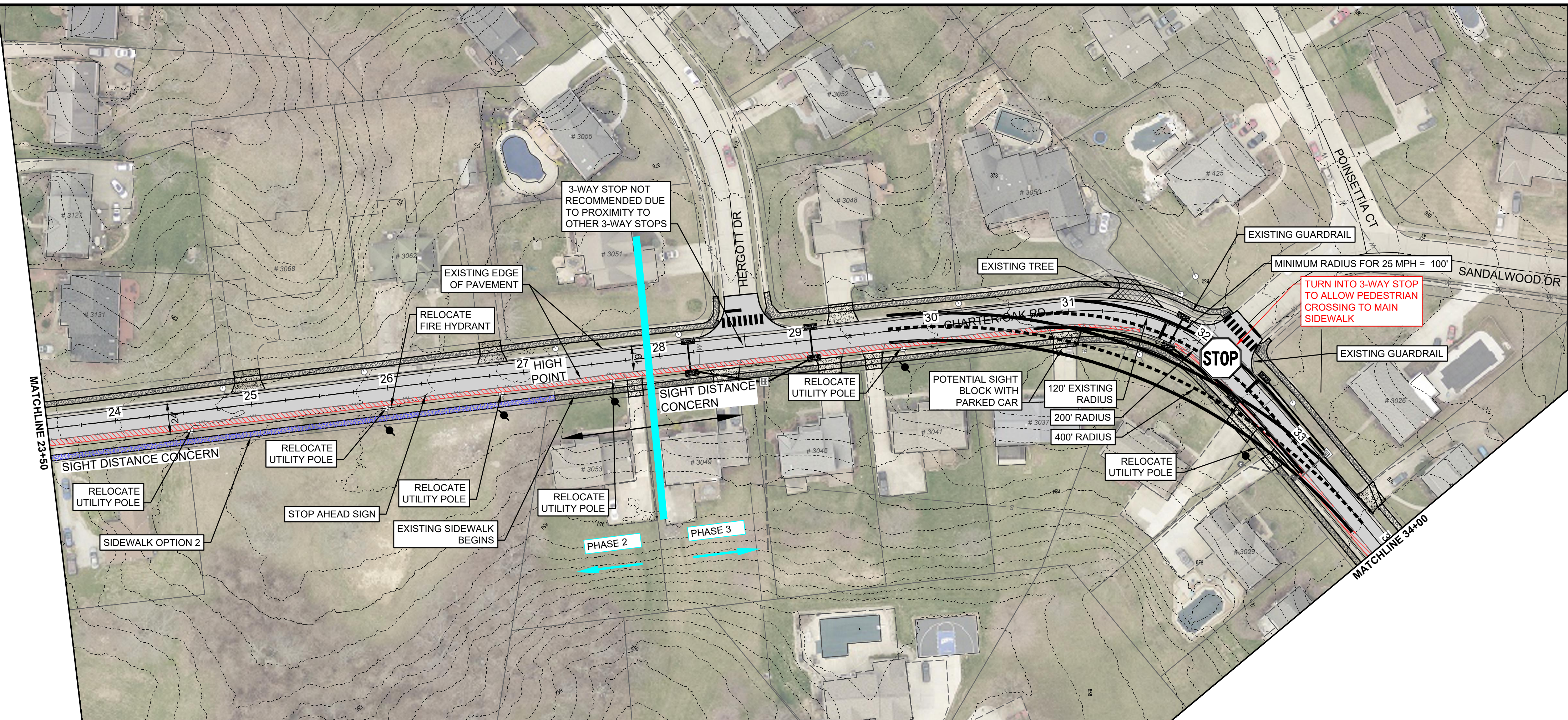
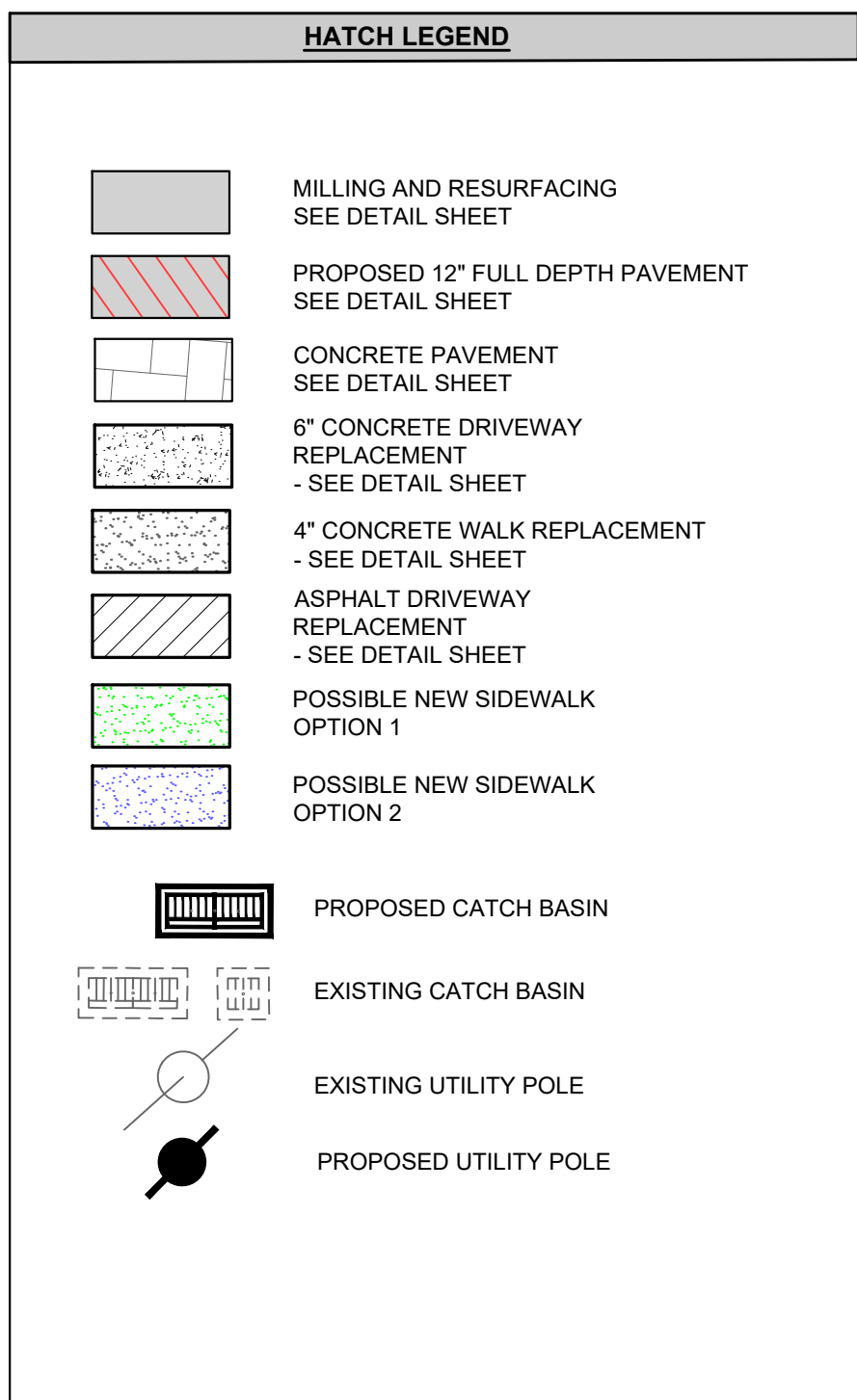
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CHARTER OAK ROAD  
CONCEPTUAL IMPROVEMENTS  
CITY OF EDGEWOOD, KY

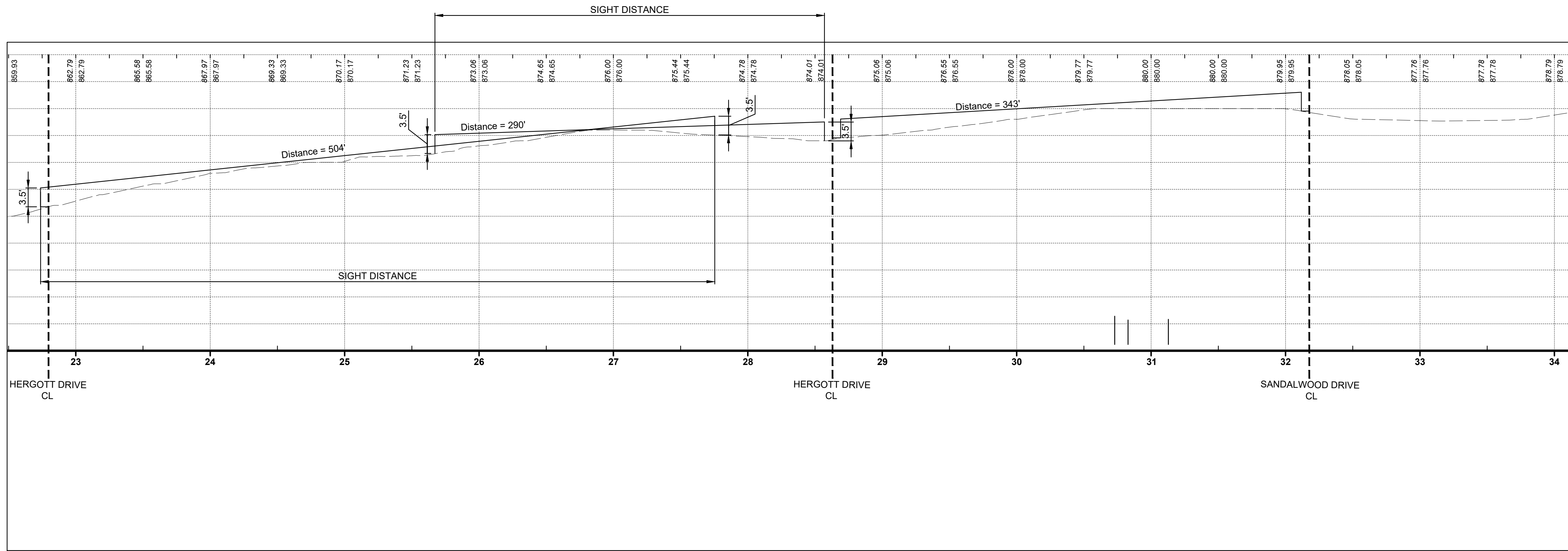
OVERLAY AND WIDENING OPTION 2  
PLAN AND PROFILE 2

|                                |                |
|--------------------------------|----------------|
| PROJECT NO.<br><b>23029007</b> |                |
| DISCIPLINE<br><b>CIVIL</b>     |                |
| SHEET NAME                     |                |
| SHEET<br><b>2</b>              | OF<br><b>5</b> |



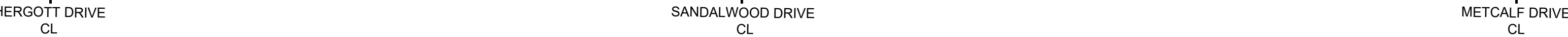
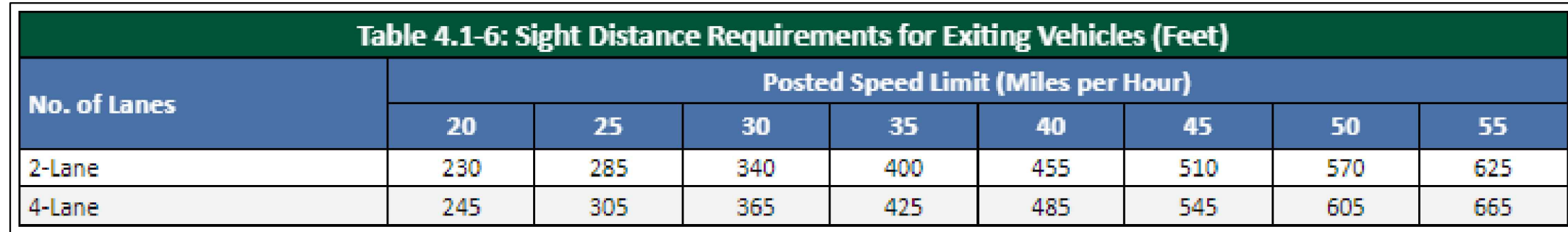
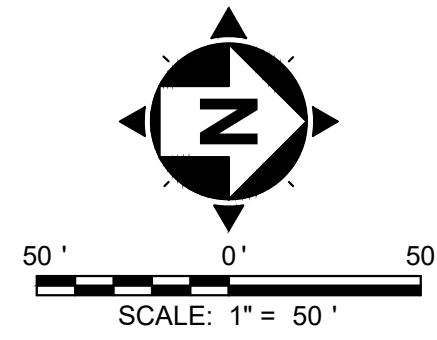


| <b>No. of Lanes</b> | <b>Posted Speed Limit (Miles per Hour)</b> |           |           |           |           |           |           |           |
|---------------------|--------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                     | <b>20</b>                                  | <b>25</b> | <b>30</b> | <b>35</b> | <b>40</b> | <b>45</b> | <b>50</b> | <b>55</b> |
| <b>2-Lane</b>       | 230                                        | 285       | 340       | 400       | 455       | 510       | 570       | 625       |
| <b>4-Lane</b>       | 245                                        | 305       | 365       | 425       | 485       | 545       | 605       | 665       |



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| CHECKED BY:  |          |    |      |    |



- 1

EXISTING ASPHALT PAVEMENT
- 2

ITEM 408 - ASPHALT MILLING (2.5" TYP.)
- 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

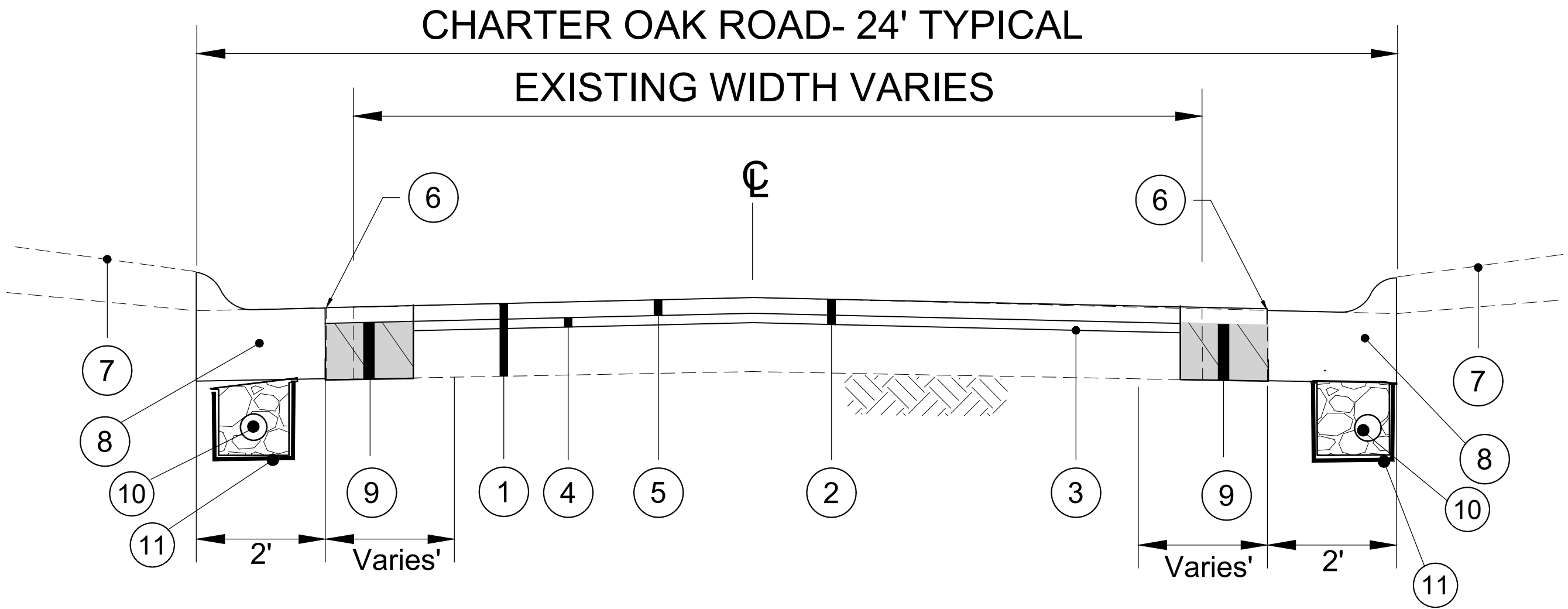
DO NOT DISTURB YARD AREA
- 8

ITEM SPL - CURB REPLACEMENT, CONCRETE ROLLED CURB & GUTTER PER DETAIL
- 9

ITEM 402/403 - 12" ASPHALT CONCRETE BASE WIDENING AS SHOWN ON PLAN VIEWS
- 10

ITEM 704 - 4" DIA. RIGID PVC PERFORATED PIPE UNDERDRAIN.
- 11

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 - 6" DIA. RIGID PVC PERFORATED PIPE UNDERDRAIN).



**TYPICAL PAVEMENT RESURFACING SECTION 2**  
**CONCRETE ROLLED CURB & GUTTER**

N.T.S.

- 1

PROPOSED ASPHALT PAVEMENT RESURFACING (SEE TYPICAL SECTION)
- 2

SAWCUT AND REMOVE EXISTING CURB (INCIDENTAL)
- 3

APPLY ASPHALT SEALER AT INTERFACE BETWEEN ASPHALT AND CONCRETE (INCIDENTAL TO ITEM 402/403)
- 4

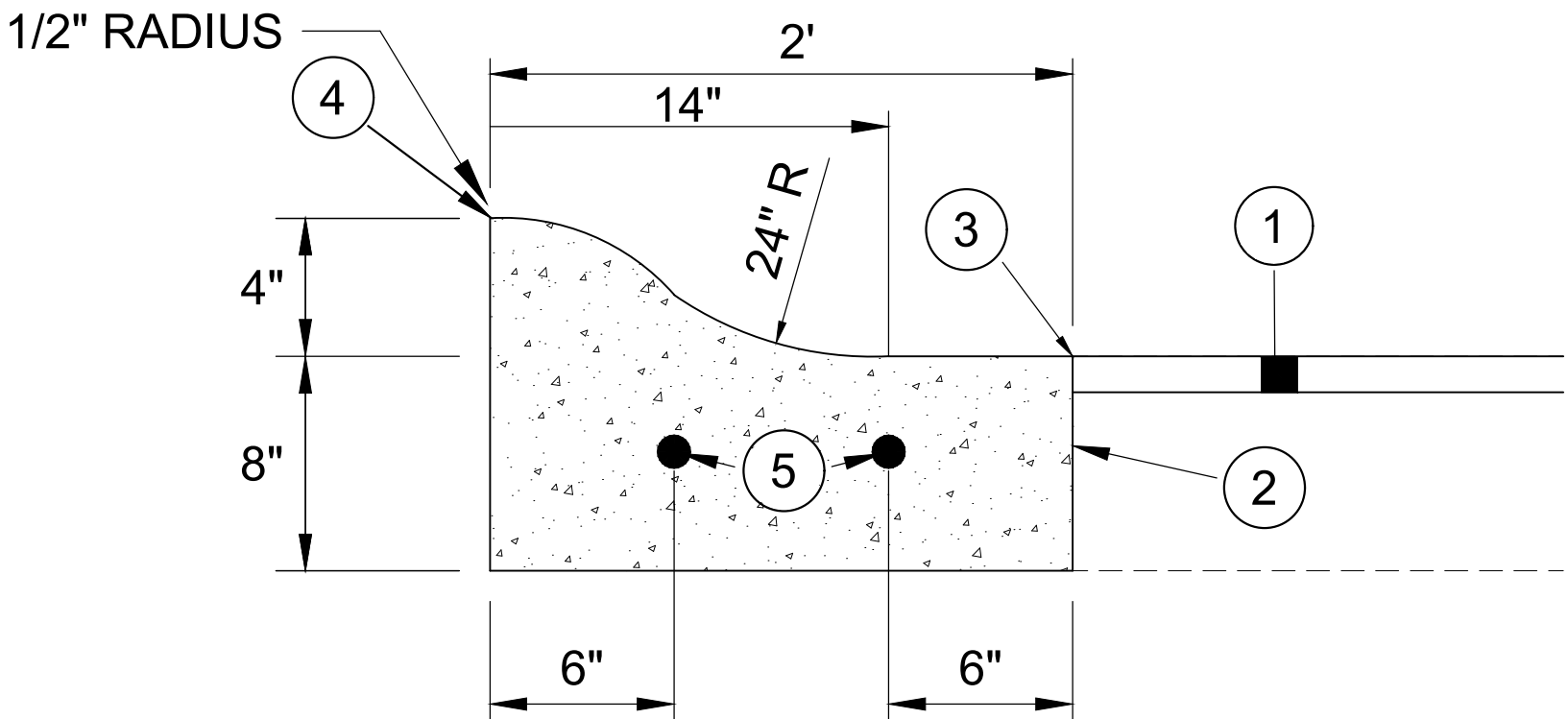
TOP/EDGE OF REPLACEMENT CURB TO MATCH LINE & GRADE OF ADJACENT EXISTING CURB
- 5

5/8" DIA. DOWELS 18" LONG - DRILL 9" MIN. INTO EXIST. CURB

\* 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.

NOTE: CONTRACTOR SHALL FILL BEHIND CURB TO THE TOP OF THE CURB w/ TOPSOIL AND RESTORE YARD w/ SEED/MULCH. THE COST FOR TOPSOIL, SEED/MULCH SHALL BE INCIDENTAL TO THE UNIT PRICE BID FOR ROLLED CURB & GUTTER REPLACEMENT.

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



**ROLLED CURB & GUTTER REPLACEMENT\***

N.T.S.

PRELIMINARY

verdantas

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CHARTER OAK ROAD  
CONCEPTUAL IMPROVEMENTS  
CITY OF EDGEWOOD, KY

OVERLAY AND WIDENING OPTION 2  
DETAILS

|                                |                |
|--------------------------------|----------------|
| PROJECT NO.<br><b>23029007</b> |                |
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