

Louisville Metro Council City Agency Request
Neighborhood Development Fund (NDF)
■ Capital Infrastructure Fund (CIF)
Municipal Aid Program (MAP)
Paving Fund (PAV)

Primary Sponsor: Councilman Scott Reed - District 16

Amount: \$25,000 **Date:** Mar 26, 2020

Description of program/project including public purpose, additional funding sources, location of project/program and any external grantee(s):

For right-of-way easement and tree removal for the Wolf Pen Branch Rd turn lane project.

City Agency: Metro Public Works
Contact Person: Steve Kurowski
Agency Phone: 502-574-8743

I have reviewed this request for an expenditure of city tax dollars, and have determined the funds will be used for a public purpose and have the attached documentation from the receiving department concerning the project/expenditure.

16		\$25,000	Mar 26, 2020
District #	Council Member Signature	Amount	Date

Approved by: _____
Appropriations Committee Chairman Date

Clerk's Office & OMB Use Only:

Request Amount: _____ Amended Amount: _____
Reference #: _____ To OMB: _____
Budget Revision #: _____
Account #: _____
To Project Manager: _____ Completion Date: _____
Actual Cost: _____ Funds Returned: _____

NDF, CIF, MAP OR PAV INTERAGENCY CHECKLIST

Interagency Name: Metro Public Works

Program/Project Name: Wolf Pen Branch Turn Lane Project

	Yes/No/NA
Request Form: Is the Request Signed by all Council Member(s) Appropriating Funding?	Yes
Request Form: If matching funds are to be used, are they disclosed with account numbers in the request form description?	NA
Request Form: If matching funds are to be used, does the amount of the request exclude the matching fund amount?	NA
Request Form: If other funds are to be used for this project, are they disclosed with account numbers in the request form description?	NA
Funding Source: If CIF is being requested, does Metro Louisville own/will own the real estate, building or equipment? If not, the funding source is probably NDF.	Yes
Funding Source: If CIF is being requested, does the project have a useful life of more than one year? If not, the funding source is probably NDF.	Yes
Ordinance Required: Is the NDF request to a Metro Agency greater than \$5,000? If so, an ordinance is required.	NA
Ordinance Required: Is the request a transfer from NDF to cost center? If so, is the amount given for the fiscal year \$25,000 or less?	No
Supporting Documentation: Does the attachment include a valid estimate and description of cost?	Yes

Submitted by: _____ D.Carroll _____

Date: Mar 26, 2020

Carroll, Debbie

From: Kurowsky, Steve M.
Sent: Wednesday, March 25, 2020 1:31 PM
To: Carroll, Debbie
Subject: Wolf Pen Branch RTL paperwork
Attachments: ROW Cost estimate for Wolf Pen Branch SIGNED.pdf

Cost Estimates for Wolf Pen Branch RTL addition:

R/W Estimate = \$15,000
Tree Clearing = \$10,000

Thanks

Steve Kurowsky, PE
Louisville Metro Government
Transportation Division
Metro Development Center
444 South 5th Street, Suite 400
Louisville, Ky. 40202
Tel (o): (502) 574-8743
Tel (c): (502) 565-7601
Steve.Kurowsky@louisvilleky.gov



Qk4, Inc.
Estimate Sheet
Wolf Pen Branch Road Widening

County: Jefferson District No. 16
 UPN Fed No.: _____ Total Length _____
 Road Name: Wolf Pen Branch Road
 From: Begin at Sta. 50+35.48
 To: End at Sta. 53+08.48
 Net Length, 0.052 mi Type of Construction: Road Widening Class of Road: Rural Collector

Item	Item	Quantity	Unit	Unit Price	Amount
RIGHT - OF - WAY					
	Total Parcels (Admin., Appraisal, Recording, etc.)		Each		\$ -
	Fence		LS		\$ -
	Permanent Easement Acquired		Acre		\$ -
	Temporary Easement Acquired		Acre		\$ -
RIGHT - OF - WAY TOTAL					\$ 15,000

(NOTE: R/W INFORMATION IS TO BE FINALIZED ONCE PROJECT FUNDING IS AVAILABLE AND UTILITIES ARE TO BE RELOCATED)

TREE REMOVAL					
		1	LS	\$ 10,000.00	\$ 10,000
TREE REMOVAL TOTAL					\$ 10,000

CONSTRUCTION

1	MOBILIZATION	1	LS	\$ 1,550.00	\$ 1,550
10	EROSION CONTROL, NETTING AND MATTING	156	SY	\$ 4.75	\$ 741
12	EROSION CONTROL, SILT FENCE	230	LF	\$ 3.50	\$ 805
					\$ -
25	REMOVE, TREE AND STUMP, 13" - 24" DIAMETER	5	EA	\$ 750.00	
26	REMOVE, TREE AND STUMP, 25" - 36" DIAMETER	1	EA	\$ 1,200.00	
27	EXCAVATION	376	CY	\$ 10.00	\$ 3,760
					\$ -
	RELOCATE GUY WIRE (SEE PLAN SHEET)	1	EA		\$ -
	MAINTENANCE OF TRAFFIC	1	LS	\$ 7,500.00	\$ 7,500
35	DENSE GRADE AGGREGATE (DGA)	176	TON	\$ 22.00	\$ 3,872
37	SEEDING AND STRAW PROTECTION	400	SY	\$ 1.75	\$ 700
40	GEOTEXTILE FABRIC	254	SY	\$ 3.00	\$ 762
41	ASPHALT TEXTURING AND MILLING, 1.5" DEPTH	917	SY	\$ 3.88	\$ 3,558
46	CL2 ASPH SURF 0.38D PG64-22	97	TON	\$ 104.93	\$ 10,178
49	CL2 ASPH BASE 0.75D PG64-22	86	TON	\$ 96.93	\$ 8,336
96	PAVEMENT MARKINGS THERMOPLASTIC, 6" WIDE	1,266	LF	\$ 2.25	\$ 2,849
98	PAVEMENT MARKINGS THERMOPLASTIC, 24" WIDE	22	LF	\$ 8.50	\$ 187
100	PAVEMENT MARKINGS THERMOPLASTIC, FIGURE 3B-24 (THROUGH ARROW)	3	EA	\$ 90.00	\$ 270
					\$ -
101	PAVEMENT MARKINGS THERMOPLASTIC, FIGURE 3B-24 (TURN ARROW)	3	EA	\$ 90.00	\$ 270
					\$ -
102	PAVEMENT MARKINGS THERMOPLASTIC, FIGURE 3B-24 (TURN AND THROUGH ARROW)	3	EA	\$ 130.00	\$ 390
					\$ -
TBD	SIGNS ON WOLF PEN BRANCH ROAD (CHANGEABLE MESSAGE SIGN)	1	LS	\$ 2,500.00	\$ 2,500
CONSTRUCTION TOTAL					\$ 48,228

Grand Total

\$ 4,823
\$ 78,050

Estimated by: Zlatko Ajanovic

Date: 3/9/2020

Checked by: Albert Zimmerman

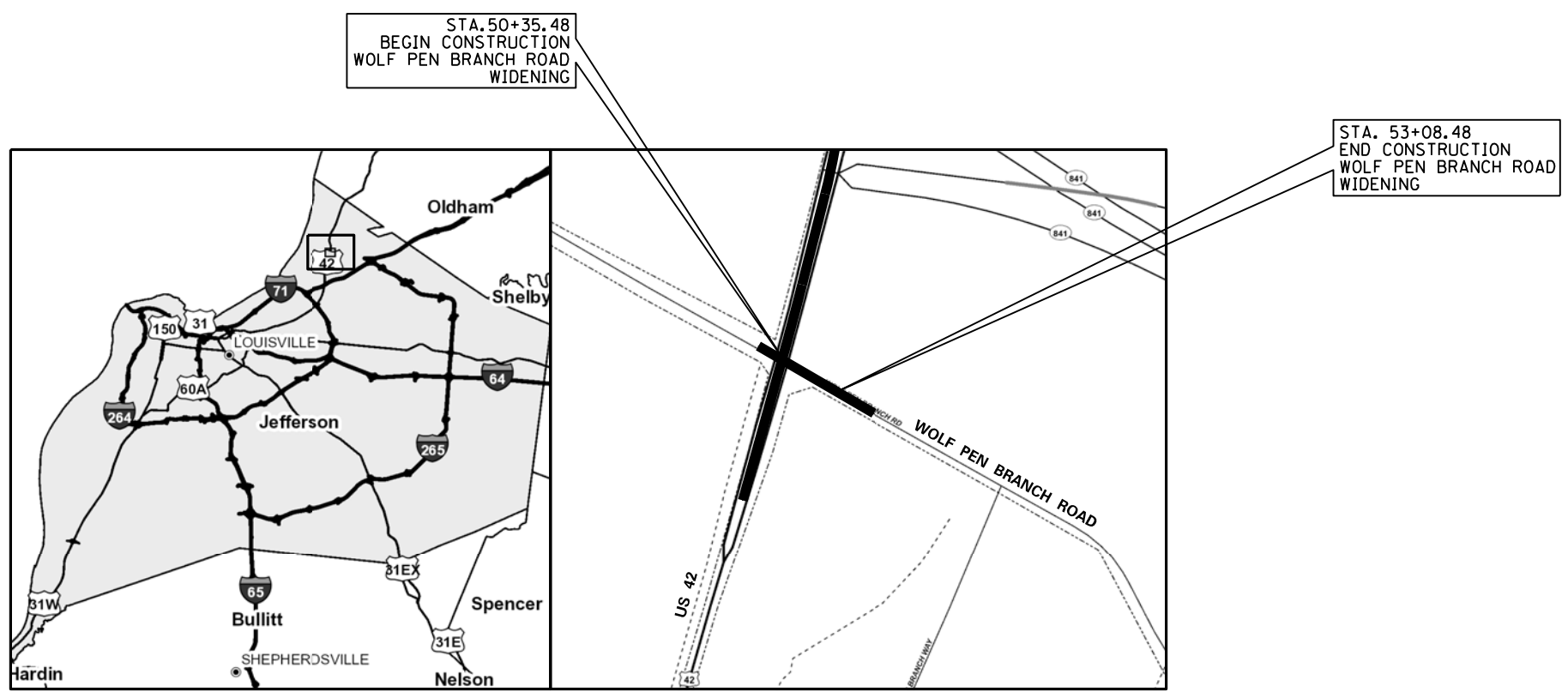
Date: 3/20/2020



SHEET NO.	DESCRIPTION
1	LAYOUT SHEET
2 - 2A	TYPICAL SECTIONS-SUMMARY OF QUANTITIES & GENERAL NOTES
3 - 4	PLAN AND PROFILE SHEETS
5	ROW SUMMARY SHEET
6	ROW STRIP MAP
7	MOT NOTES
X1-X4	CROSS SECTIONS

DEPARTMENT OF PUBLIC WORKS

WOLF PEN BRANCH ROAD WIDENING



LAYOUT MAP

FILE NAME: U:\5850 METRO GEC\5850 WOLF PEN BRANCH AT US 42\01 LAYOUT\01.WOLF PEN BRANCH ROAD-LAYOUT.DGN
 USER: gjanovic
 DATE PLOTTED: March 20, 2020
 E-SHEET NAME:
 MicroStation v8.11.9.459

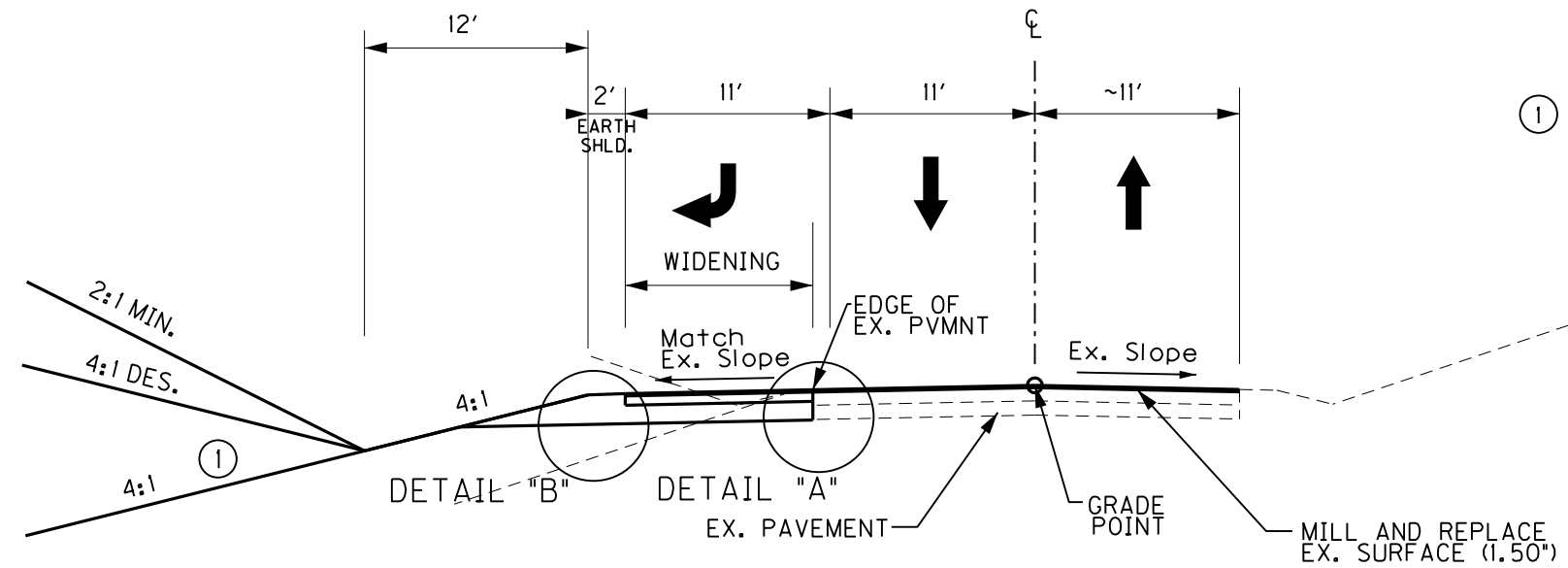
Signed: _____
 Date: **March 04, 2020**

Louisville Jefferson County
DEPARTMENT OF PUBLIC WORKS
 444 South 5th Street, Suite 400, Louisville, Kentucky 40202
 Phone: 502-574-4810 Fax: 502-574-4129

WOLF PEN BRANCH ROAD WIDENING
LAYOUT SHEET

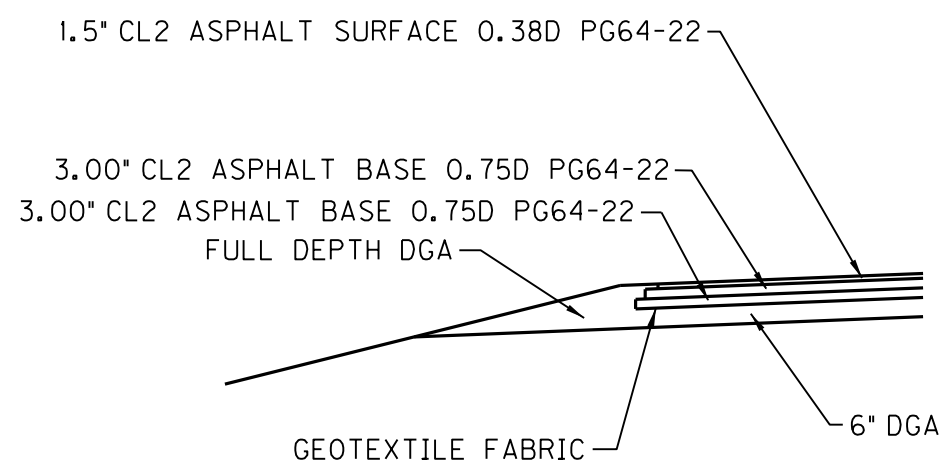
TYPICAL SECTIONS

WOLF PEN BRANCH ROAD

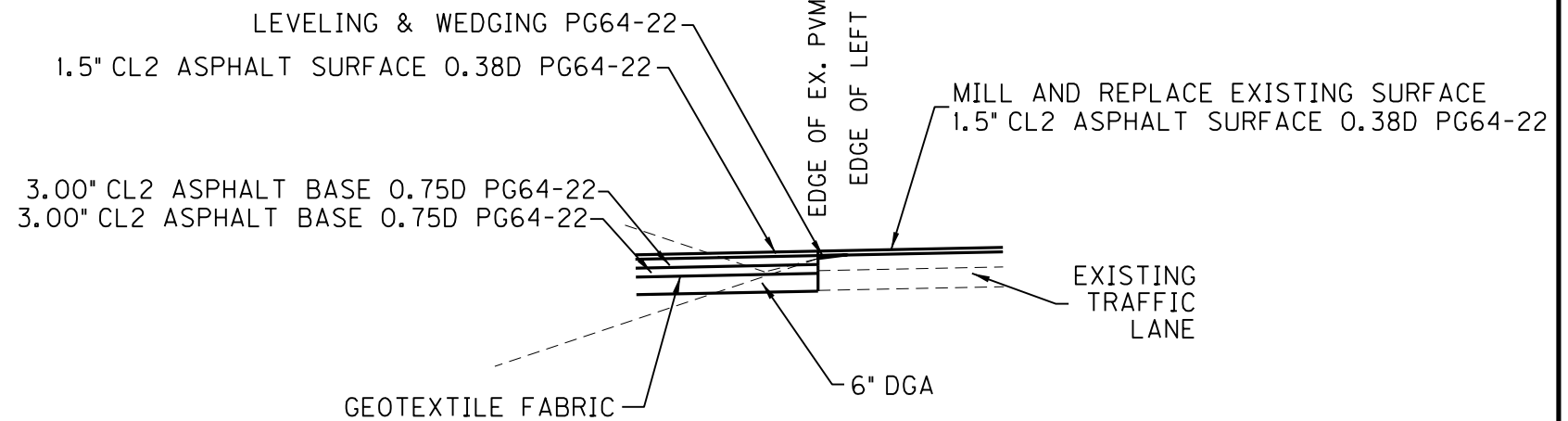


① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.

NORMAL SECTION



DETAIL "B"



DETAIL "A"

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	WOLF PEN BRANCH ROAD			
1	MOBILIZATION	LS	1			
10	EROSION CONTROL, NETTING AND MATTING	SY	156			
12	EROSION CONTROL, SILT FENCE	LF	230			
19	REMOVE TREE AND STUMP, 13"-24" DIAMETER	EA	2			
27	EXCAVATION	CY	355			
	MAINTENANCE OF TRAFFIC	LS	1			
37	SEEDING AND STRAW MATS	SY	400			
40	GEOTEXTILE FABRIC	SY	254			
96	PAVEMENT MARKINGS THERMOPLASTIC, 6" WIDE	LF	1266			
98	PAVEMENT MARKINGS THERMOPLASTIC, 24" WIDE	LF	11			
100	PAVEMENT MARKINGS THERMOPLASTIC, FIGURE 3B-24-A (THROUGH ARROW)	EACH	3			
101	PAVEMENT MARKINGS THERMOPLASTIC, FIGURE 3B-24-A (TURN ARROW)	EACH	3			
102	PAVEMENT MARKINGS THERMOPLASTIC, FIGURE 3B-24-C (TURN AND THROUGH ARROW)	EACH	3			
TBD	SIGNS ON WOLF PEN BRANCH ROAD	LS	1			

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	WOLF PEN BRANCH ROAD			TOTAL PROJECT
35	DENSE GRADE AGGREGATE (DGA) ① ②	TON	176			176
41	ASPHALT TEXTURING AND MILLING, 1.5" DEPTH (1-2000 SY PER LOCATION)	SY	917			917
46	CL2 ASPH SURF 0.38D PG64-22 ③	TON	81			81
49	CL2 ASPH BASE 0.75D PG64-22 (1-150 TON PER LOCATION)	TON	86			86

DISTRICT NO.	SHEET NO.
16	2A

NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ② INCLUDE FULL DEPTH DGA BASE WEDGE
- ③ INCLUDE NEW CONSTRUCTION AND OVERLAY

PAVING AREAS

ITEM	WOLF PEN BRANCH ROAD	S Q U A R E Y A R D S				TOTAL PROJECT
6" DENSE GRADE AGGREGATE (DGA)	509					509
3.00" DEPTH CL2 ASPH BASE 0.75D PG64-22	265					265
3.00" DEPTH CL2 ASPH BASE 0.75D PG64-22	257					257
1.50" DEPTH CL2 ASPH SURF 0.38D PG64-22(NEW CONSTRUCTION)	254					254
1.50" DEPTH CL2 ASPH SURF 0.38D PG64-22(EX. SURFACE REPLACEMENT)	917					917
ASPHALT TEXTURING AND MILLING, 1.5" DEPTH	917					917

GENERAL NOTES

SPECIFICATIONS

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE KENTUCKY TRANSPORTATION CABINET/DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD DRAWINGS.

STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-4610

NOTICE - CAUTION - CLASSIFICATION

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL ROADWAY AND DRAINAGE EXCAVATION SHALL BE UNCLASSIFIED AND SHALL BE DESIGNATED AS 'ROADWAY EXCAVATION'. IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH, OR ANY OTHER MATERIAL ON THE PLANS OR CROSS - SECTIONS, WHETHER IN NUMBERS, WORDS, LETTERS OR LINES, IS SOLELY FOR THE DEPARTMENTS INFORMATION AND IS NOT TO BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH OR ANY OTHER MATERIAL INVOLVED. THE BIDDER MUST DRAW HIS OWN CONCLUSION AS TO THE CONDITIONS TO BE ENCOUNTERED. THE DEPARTMENT DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATE AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION IF THE MATERIALS ENCOUNTERED ARE IN ACCORD WITH THE CLASSIFICATION SHOWN.

COMPACTION OF ASPHALT MIXTURES

THE CONTRACTOR IS ADVISED THAT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR MAINLINE USAGE AT ONE INCH OR GREATER ON THIS PROJECT WILL BE ACCEPTED BY OPTION A ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS. THE COMPACTION OF ALL OTHER ASPHALT MIXTURES WILL BE ACCEPTED BY OPTION B.

TREE CLEARING

TREE CLEARING WILL NOT EXTEND MORE THAN 10 FEET BEYOND THE PROPOSED LIMITS OF DISTURBANCE FOR THE PROJECT. TREE CLEARING IS RESTRICTED FROM JUNE 1 TO JULY 31.

EXISTING UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND UTILITY SERVICE LINES. NO DIRECT PAYMENT WILL BE MADE FOR REPAIR OR REPLACEMENT OF SERVICE LINES. IF A UTILITY LINE IS IN CONFLICT WITH CONSTRUCTION AND CANNOT BE AVOIDED, THE OWNER SHALL BE CONTACTED IMMEDIATELY.

BEFORE YOU DIG

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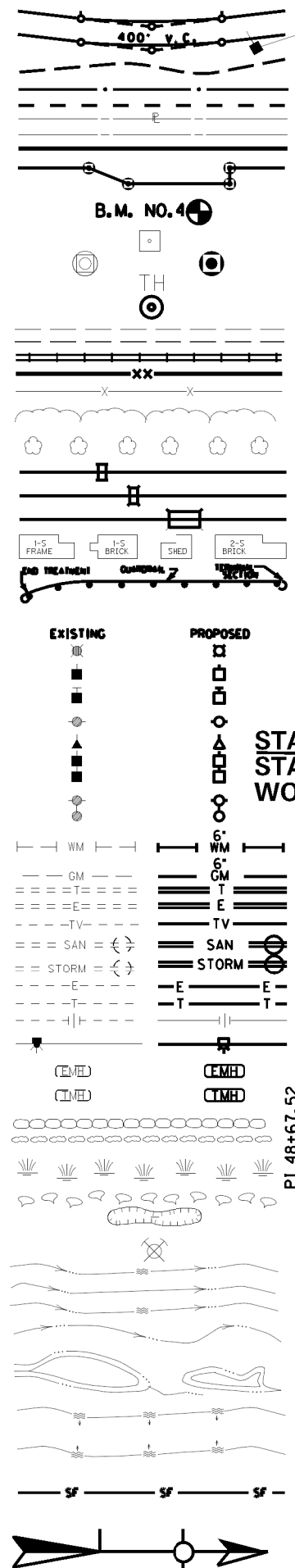
THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

**WOLF PEN BRANCH ROAD WIDENING
GENERAL & PAVING SUMMARY
& GENERAL NOTES SHEET**

FILE NAME: U:\5850 METRO GECV5850 WOLF PEN BRANCH AT US 42\02 TYP-SUMSHT\SUMMARIES\GENERALANDPAVING.DGN
 USER: dgonovic
 DATE PLOTTED: March 20, 2020
 E-SHEET NAME:
 MicroStation v8.11.9.459

CONVENTIONAL SIGNS 22+00

- SURVEY LINE
- GRADE LINE
- GROUND LINE
- COUNTY LINE
- CORPORATE LIMITS
- EXIST. PROPERTY LINE
- EXIST. RIGHT OF WAY & PROPERTY LINE
- PROPOSED RIGHT OF WAY
- RIGHT OF WAY MONUMENT
- BENCH MARK
- EXISTING R/W MARKER
- RIGHT OF WAY MONUMENT EXISTING/PROPOSED
- UTILITY TEST HOLE
- EXISTING ROAD
- RAILROAD
- FENCE (CONTROLLED ACCESS)
- FENCE (EXCEPT STONE AND HEDGE)
- TREE LINE
- TREES
- PIPE CULVERT
- CULVERT
- BRIDGE
- BUILDINGS
- GUARDRAIL
- LIGHTING POLE
- POWER POLE
- JOINT POWER & TELEPHONE POLE
- TELEPHONE & TELEGRAPH POLE
- ANCHOR, POWER OR TELEPHONE
- STUB POWER
- STUB TELEPHONE
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- DIRECT BURIAL TV CABLE
- SANITARY SEWER (WITH MANHOLE)
- STORM SEWER (WITH MANHOLE)
- DIRECT BURIAL ELECTRIC CABLE
- DIRECT BURIAL TELEPHONE CABLE
- OVERHEAD WIRE
- TRAFFIC LIGHTS
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- STONE FENCE
- HEDGE FENCE
- SWAMP OR MARSH
- SPRINGS
- SINKHOLE
- QUARRY SITE
- BLUE LINE STREAM
- INTERMITTENT STREAM OR DITCH
- LAKES OR PONDS
- REGULATED FLOODWAY
- SILT FENCE
- NORTH POINT



COORDINATE CONTROL POINTS

POINT	DESCRIPTION	State Plane Coordinates			STATION and OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
C.P. #102	Monument	4004719.74	4957858.69	598.43	50+77.84, 41.56' Rt. Wolf Pen Branch Rd.
C.P. #103	Monument	4004631.09	4958030.09	599.65	52+70.56, 31.90' Rt. Wolf Pen Branch Rd.

PROPOSED STRIPING

STATION	LOCATION	TYPE	QUANTITY
50+16.07 TO 5+08.48	LT.	6" SOLID WHITE EDGE LINE	303 L.F.
50+59.70 TO 52+59.70	LT.	6" SOLID WHITE EDGE LINE	200 L.F.
50+59.70 TO 53+08.48	CL	6" SOLID DOUBLE YELLOW LANE LINE	249 L.F.
50+53.45 TO 63+08.48	RT.	6" SOLID WHITE LANE LINE	265 L.F.

TEST HOLES

NAME	SURFACE	UT. TYPE	STA.	OFFSET	GR. ELEV.	UT. ELEV.	PIPE
TH 1	DIRT	ELECTRIC	50+84.96	24.82' LT.	596.17'	592.51'	8" PLASTIC
TH 2	DIRT	GAS	50+84.54	14.02' LT.	594.76'	591.24'	8" STEEL

BEGIN PROJECT STA. 50+35.48 CL
WOLF PEN BRANCH RD. WIDENING
 ALLEN FAMILY PARTNERSHIP *4, LLC.
 600 E. MAIN STREET, SUITE 103, LOUISVILLE, KY
 D.B. 5955 PG. 704
 D.B. 11222, PG. 284

END PROJECT STA. 53+08.48 CL
WOLF PEN BRANCH RD. WIDENING

STA. 19+39.09 CL US 42
 STA. 50+00.00 CL WOLF PEN BRANCH RD

UTILITY COORDINATION BY METRO PUBLIC WORKS

AGENCY & UTILITY CONTACT INFORMATION

LC&E KU
 820 West Broadway
 Louisville, KY 40202
 Main Contact: Caroline Justice
 Caroline.Justice@lge-ku.com
 Telephone
 AT&T Communication
 Scott Roche
 3719 Bardstown Rd
 Louisville, KY 40218
 502-348-4528
 502-827-4703 cell
 sr8832@att.com

Cable Television
 Charter Communications
 Deno Barbour
 10168 Linn Station Road Suite 120
 Louisville, KY 40223
 502-357-4376
 502-664-7395 cell
 dwight.barbour@charter.com

DITCH CONSTRUCTION

STA. TO STA.	SIZE/TYPE	CHANNEL LINING		
		TYPE	DEPTH	QUANTITY
50+20 - 50+50	SP "V"	ECB	1.0	74 SY
50+50 - 51+25	TYP "V"	ECB	1.0	82 SY

PROPOSED THERMOPLASTIC ARROWS & TEXT

STATION	LOCATION	TYPE	UNIT (EA.)
50+89.81	LT.	RT ARROW	1
50+89.81	LT.	COMBO ARROW	1
50+89.81	RT.	THROUGH ARROW	1
51+69.81	LT.	RT ARROW	1
51+69.81	LT.	COMBO ARROW	1
51+69.81	RT.	THROUGH ARROW	1
52+49.81	LT.	RT ARROW	1
52+49.81	LT.	COMBO ARROW	1
52+49.81	RT.	THROUGH ARROW	1

DESIGNED BY: _____
 DATE SUBMITTED: _____

Commonwealth of Kentucky
 DEPARTMENT OF PUBLIC WORKS
 COUNTY OF
JEFFERSON

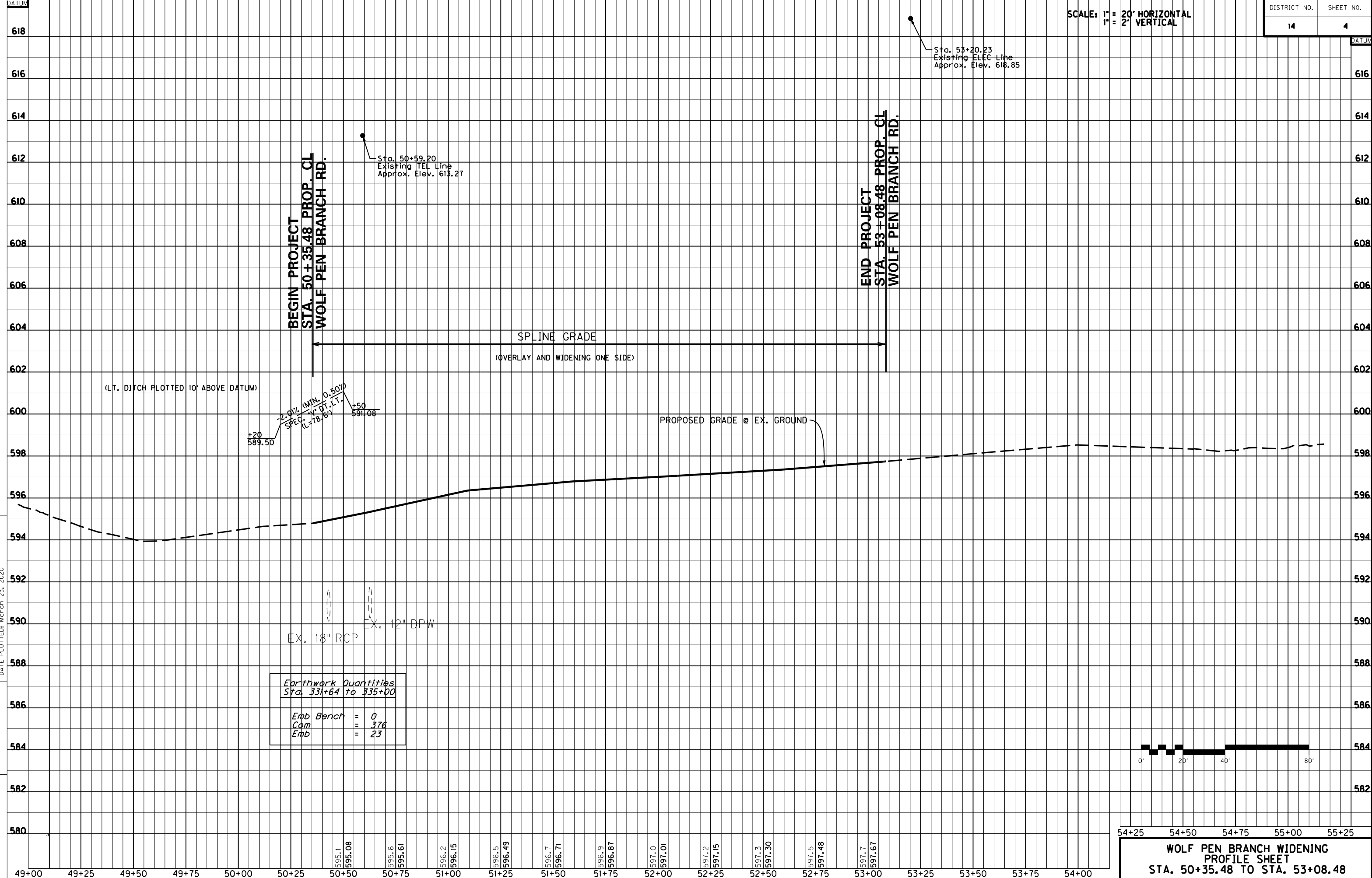
PROJECT _____
 NUMBERS: _____

WOLF PEN BRANCH ROAD WIDENING
 PLAN SHEET
 STA. 50+35.48 TO STA. 53+08.48

FILE NAME: U:\5850 METRO GECV5850 WOLF PEN BRANCH AT US 42\03 PLAN\PLAN.DGN
 USER: gromovic
 DATE PLOTTED: March 20, 2020
 E-SHEET NAME: MicroStation v8.11.9.459

MicroStation v8.11.9.459 E-SHEET NAME: DATE PLOTTED: March 23, 2020 USER: gjanovic FILE NAME: U:\5850 METRO GCV\5850 WOLF PEN BRANCH AT US 42\04 PROFILE.VP.WOLF PEN BRANCH.20SC.DGN

SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL



Earthwork Quantities	
Sta. 331+64 to 335+00	
Emb	Bench = 0
Com	= 376
Emb	= 23



54+25 54+50 54+75 55+00 55+25

**WOLF PEN BRANCH WIDENING
PROFILE SHEET
STA. 50+35.48 TO STA. 53+08.48**

MicroStation v8.11.9.459 E-SHEET NAME: USER: gjanovic DATE PLOTTED: March 20, 2020 FILE NAME: U:\5850 METRO GEC\5850 WOLF PEN BRANCH AT US 42\06 RWS STRIP ROW STRIPMAP.DGN



ALLEN FAMILY PARTNERSHIP #4, LLC.
 D.B. 5955 PG. 704
 D.B. 11222, PG. 284

PERM. ESMT. FOR
 DRAINAGE & UTILITIES

**RIGHT OF WAY
 PLANS**

**WOLF PEN BRANCH ROAD WIDENING
 RIGHT OF WAY STRIP MAP
 BEGIN TO END**

N 14° 16' 50" E

S 59° 47' 03" E

PROP. C US 42
 N 15° 35' 51" E

25+00

PT 23+17.97

PT 21+33.86

PC 19+49.74

48+63

50+00

55+00
 55+55

MAINTENANCE OF TRAFFIC NOTES

PROJECT PHASING

Phase 1

1. Place all required construction signs.
2. Maintain traffic on existing roadway.
3. Construct widening on north side except for final 1.5' surface from beginning to Sta. 53+08.48, using LANE CLOSURE STD. DWG. TTC-100-04

Phase 2

1. Maintain traffic on existing road.
2. Asphalt milling (1.5') and texturing on the south side from beginning to Sta. 53+08.48.

Phase 3

1. Construct final 1.5' surface from beginning to Sta. 53+08.48.

GENERAL NOTE

The contractor shall not work on both sides of the road simultaneously within the same area. The contractor shall maintain a smooth transition from existing pavement to proposed paving operation.

LANE WIDTH

The contractor shall maintain a two-lane traveled way with a minimum lane width of 9-feet.

LOCAL ACCESS

The contractor shall be required to provide reasonable access, in the opinion of the engineer, to all approaches and entrances within the project limits. Access to fire hydrants shall be maintained at all times.

DRUMS

Drums shall be used for Traffic Control. Cones and Tubular Markers will not be allowed. At night and during periods of construction inactivity, place drums 2 feet from traveled way.

TEMPORARY DRAINAGE

The contractor will be responsible for all temporary drainage from existing pavement to proposed paving operation.

WORKING HOURS

Lane closures will be permitted on the project from 9 a.m. - 3 p.m. and 6 p.m. - 6 a.m. (Use Std. Drawing TTC-100-04). If Rock Excavation is necessary - Hoe Ramming must be accomplished between 9a.m. - 3 p.m.

CONTRACTOR'S VEHICLES

The Contractor's vehicles shall always move with and not against the flow of traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

SIGNING

The Contractor shall exercise extreme caution to ensure that proper signing and traffic control devices are installed to prevent motorists from traveling any lanes that are closed to traffic.

The Contractor shall be responsible for the maintenance of all existing and temporary signing located on this project. The Contractor shall use reasonable care in the relocation and placement of the signs. Any sign, located on this project, damaged by the Contractor's negligence, vandalism, theft, or accident shall be replaced by the Contractor at no additional cost to the Department. The signing shall be kept clean and in good repair for the life of the project.

The relocation of signs for the Maintenance of Traffic during construction, including mounting hardware and post, shall be incidental to other items of work.

PAVEMENT EDGE DROP-OFFS

Pavement edges that traffic is not expected to cross, except accidentally, should be treated as follows:

Less than 2 inches

No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2 to 4 inches

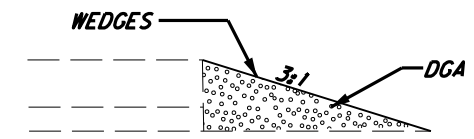
Place plastic drums, vertical panels, or barricades every 50 feet.

Greater than 4 inches

Positive separation or wedges with 3:1 or flatter slope is needed. (See Detail).

If there is 7.5 feet or more distance between the edge of pavement and drop-off, drums, panels or barricades may be used. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

For temporary conditions, drop-offs greater than 4 inches may be protected with plastic drums, vertical panels, or barricades for short distances during daylight hours while work is being done in the drop-off area.

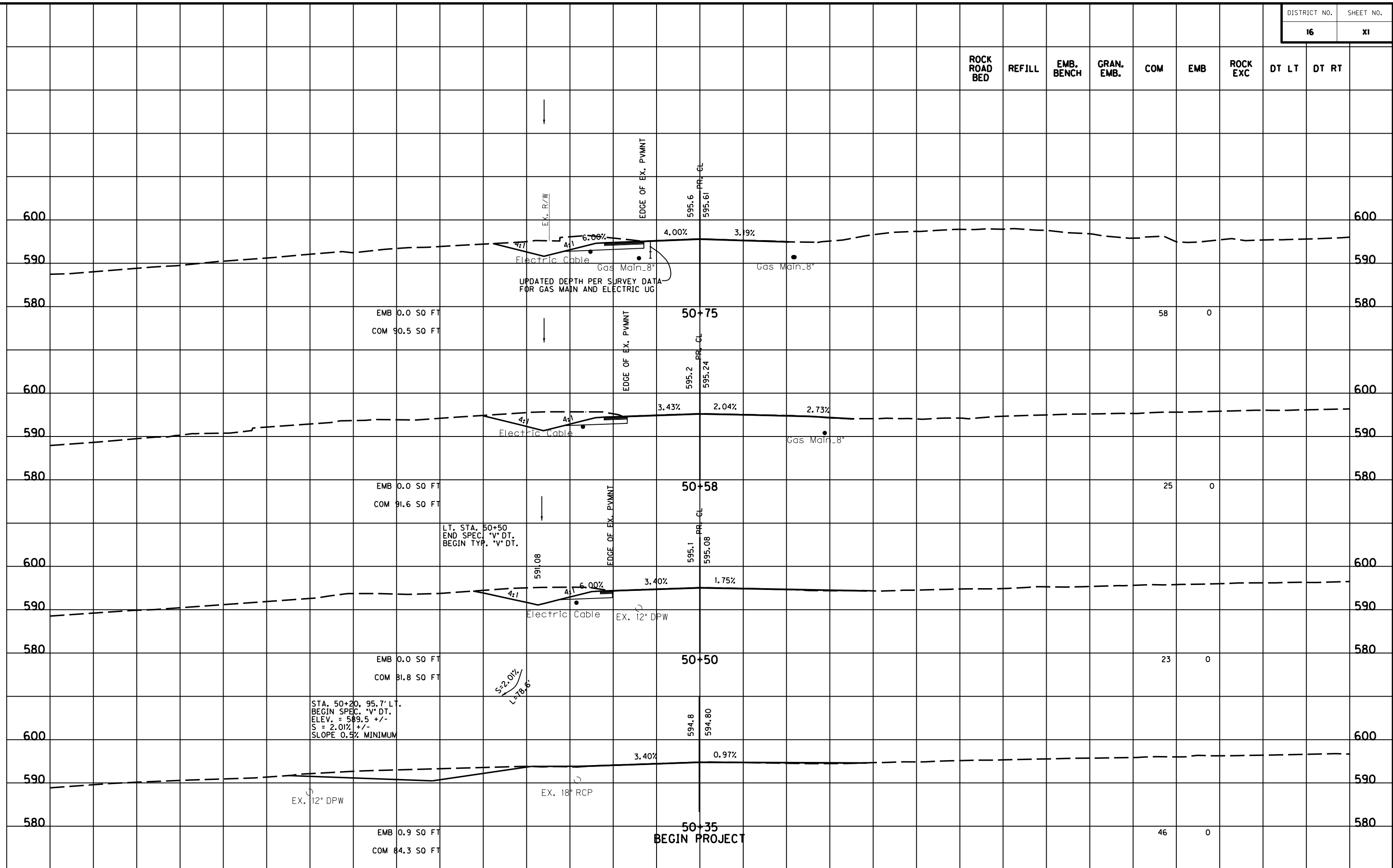


PAVEMENT DROP-OFF DETAIL

FOR MAINTENANCE OF
TRAFFIC ONLY

FILE NAME: U:\5850 METRO GEC\5850 WOLF PEN BRANCH AT US 42\09 MOT\NOTES.DGN
 USER: gjanovic
 DATE PLOTTED: March 20, 2020
 E-SHEET NAME:
 MicroStation v8.11.9.459

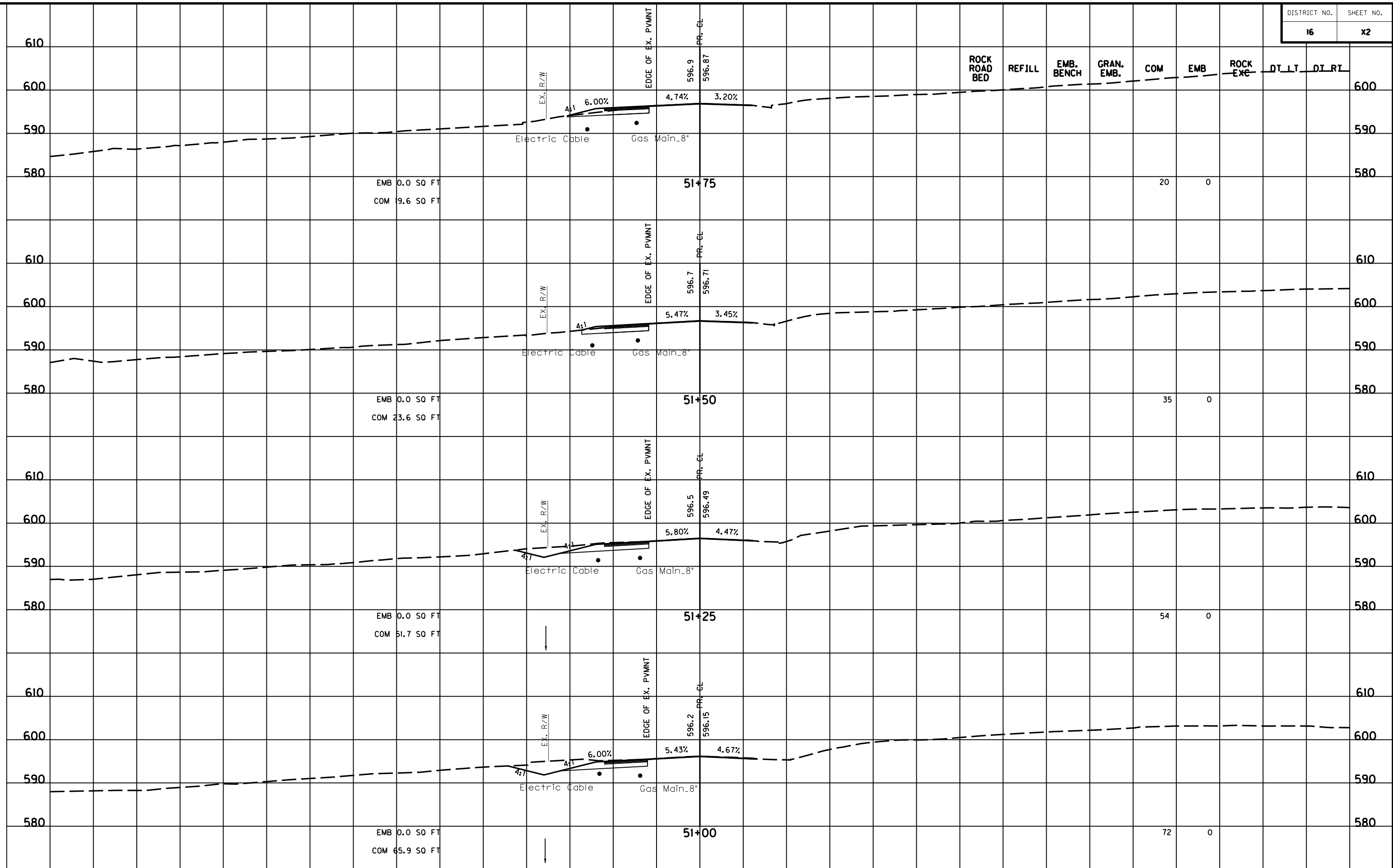
FILE NAME: U:\5850 METRO GEC\5850 WOLF PEN BRANCH AT US 42\99 X-SECTION\XSECTIONS_10SC.DGN
 USER: gjanovic
 DATE PLOTTED: January 10, 2020
 E-SHEET NAME:
 MicroStation v8.11.9.459



SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

**WOLF PEN BRANCH ROAD WIDENING
 CROSS SECTIONS
 STA. 50+35 TO STA. 50+75**

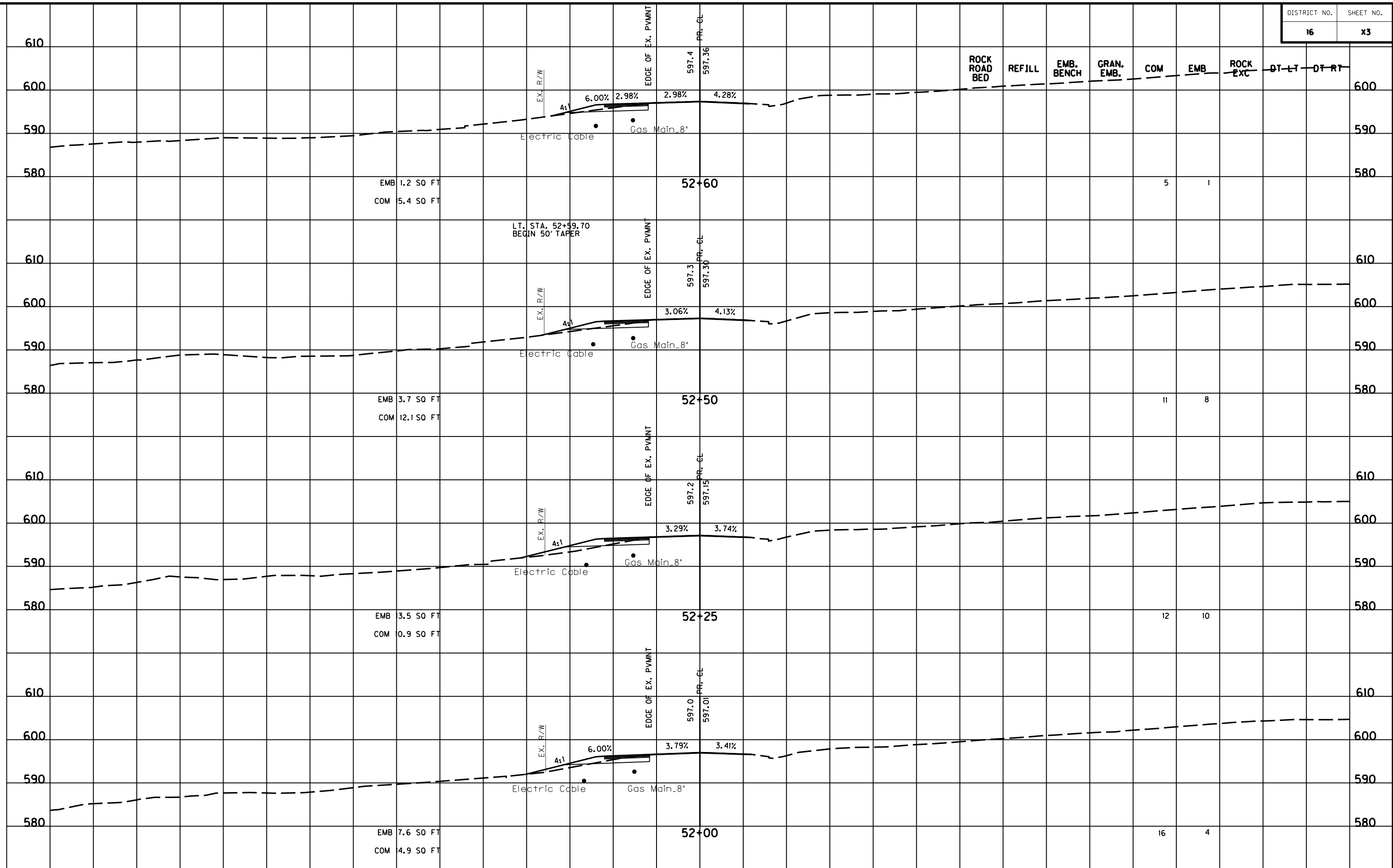
FILE NAME: U:\5850 METRO GECV5850 WOLF PEN BRANCH AT US 42\99 X-SECTION\XSECTIONS_10SC.DGN
 USER: gjanovic
 DATE PLOTTED: January 10, 2020
 E-SHEET NAME: MicroStation v8.11.9.459



SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

**WOLF PEN BRANCH ROAD WIDENING
 CROSS SECTIONS
 STA. 51+00 TO STA. 51+75**

FILE NAME: U:\5850 METRO GECV5850 WOLF PEN BRANCH AT US 42\99 X-SECTION\XSECTIONS_10SC.DGN
 USER: gjanovic
 DATE PLOTTED: January 10, 2020
 E-SHEET NAME: MicroStation v8.11.9.459
 MicroStation v8.11.9.459



EMB 1.2 SO FT
COM 5.4 SO FT

EMB 3.7 SO FT
COM 12.1 SO FT

EMB 3.5 SO FT
COM 10.9 SO FT

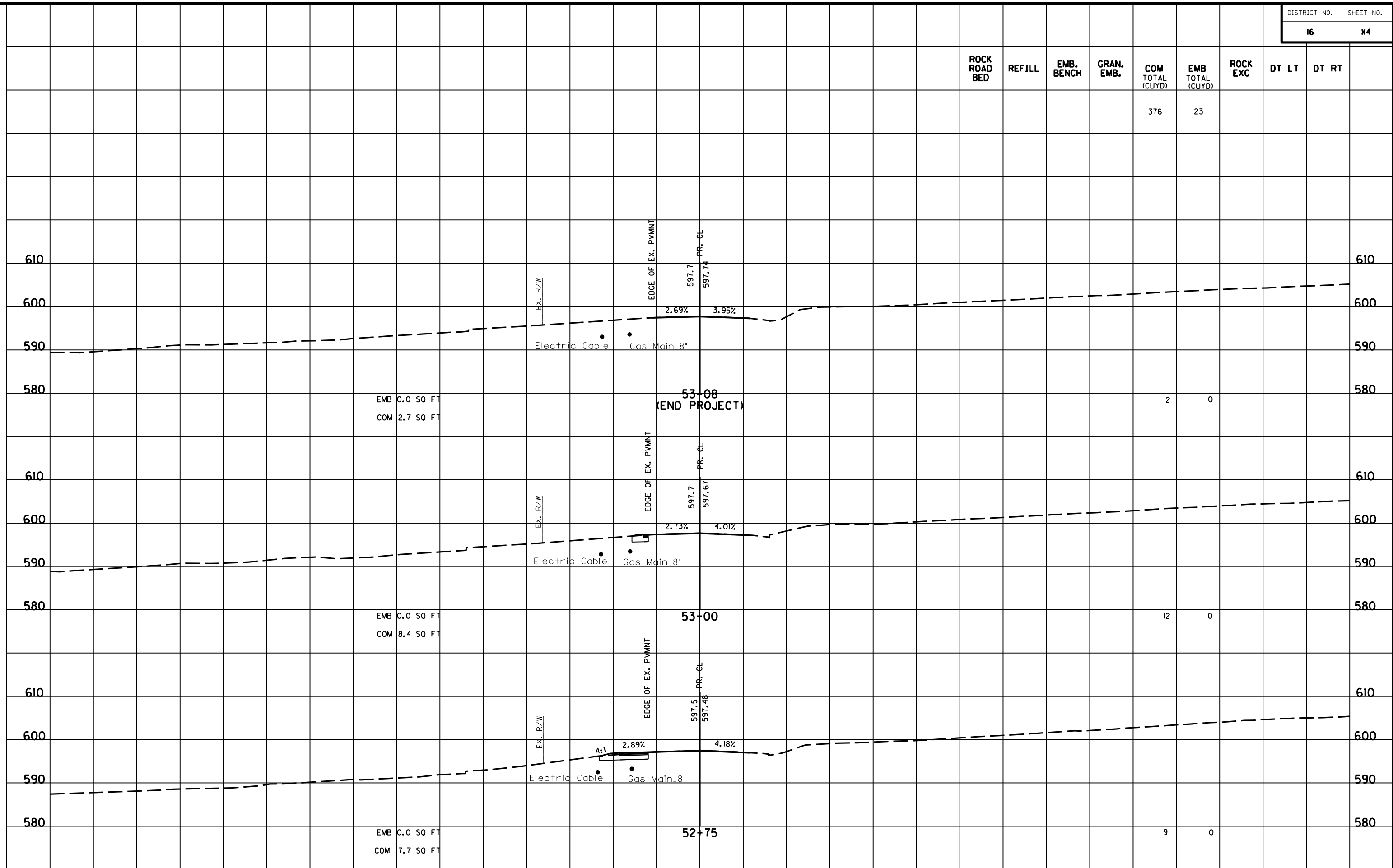
EMB 7.6 SO FT
COM 4.9 SO FT

LT. STA. 52+59.70
BEGIN 50' TAPER

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

WOLF PEN BRANCH ROAD WIDENING
CROSS SECTIONS
STA. 52+00 TO STA. 52+60

FILE NAME: U:\5850 METRO GECV5850 WOLF PEN BRANCH AT US 42\99 X-SECTION\XSECTIONS_10SC.DGN
 USER: gjanovic
 DATE PLOTTED: January 10, 2020
 E-SHEET NAME:
 MicroStation v8.11.9.459



SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

**WOLF PEN BRANCH ROAD WIDENING
 CROSS SECTIONS
 STA. 52+75 TO STA. 53+08**

ROCK ROAD BED	REFILL	EMB. BENCH	GRAN. EMB.	COM TOTAL (CUYD)	EMB TOTAL (CUYD)	ROCK EXC	DT LT	DT RT
				376	23			