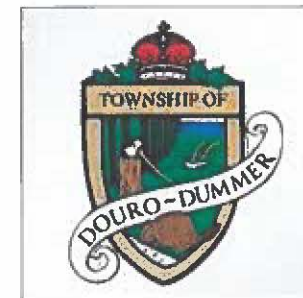


12TH LINE ROAD REALIGNMENT

TOWNSHIP OF DOURO-DUMMER
 ISSUED FOR CONSTRUCTION
 ENGAGE PROJECT No. 18049



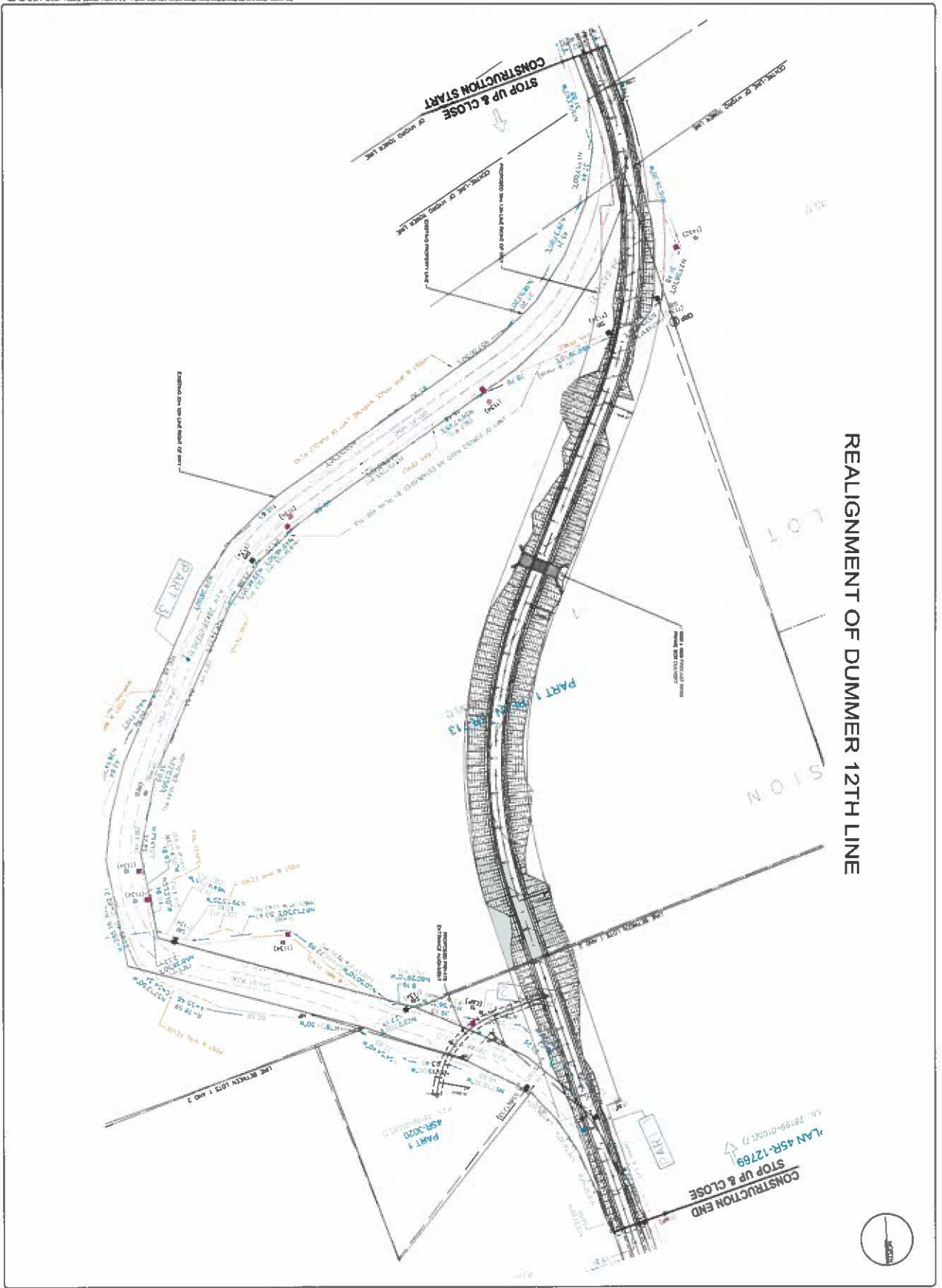
DRAWING INDEX	
DRAWING	SHEET
OVERALL PLAN	01
STANDARD NOTES AND LEGEND	02
SURFACE WORKS STA. 1+040 - 1+440	03
SURFACE WORKS STA. 1+440 - 149	04
PROFILE VIEWS	05
PRIVATE ENTRANCE PLAN AND PROFILE	08
DETAILS	07
CROSS SECTIONS	09 15



12TH LINE ROAD REALIGNMENT

TOWNSHIP OF DOURO-DUMMER
 ENGAGE PROJECT No. 18049
 ISSUED FOR CONSTRUCTION - 2019-11-28





REALIGNMENT OF DUMMER 12TH LINE

LAN 45R-12789
 STOP UP & CLOSE
 CONSTRUCTION END



SURVEY
 PROJECT: 18048-PP
 DATE: 05/21/2014
 BY: [Name]
 CHECKED: [Name]
 ELEV: MLLVDUM

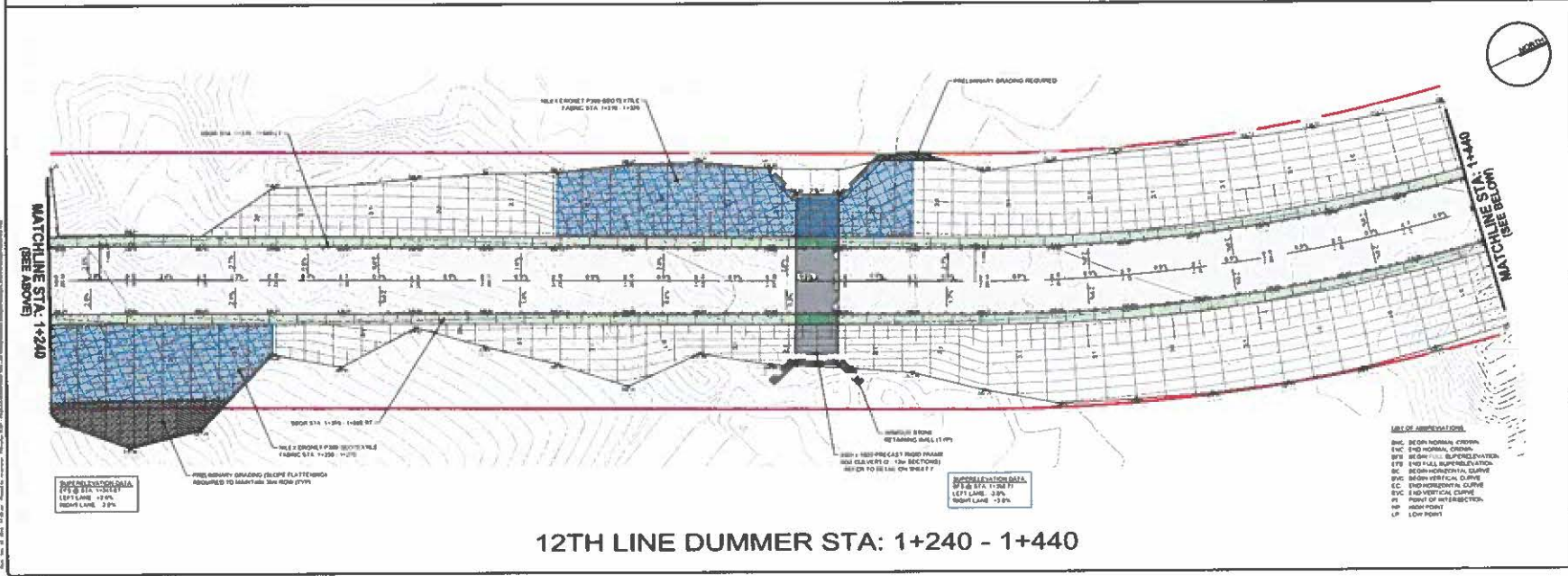
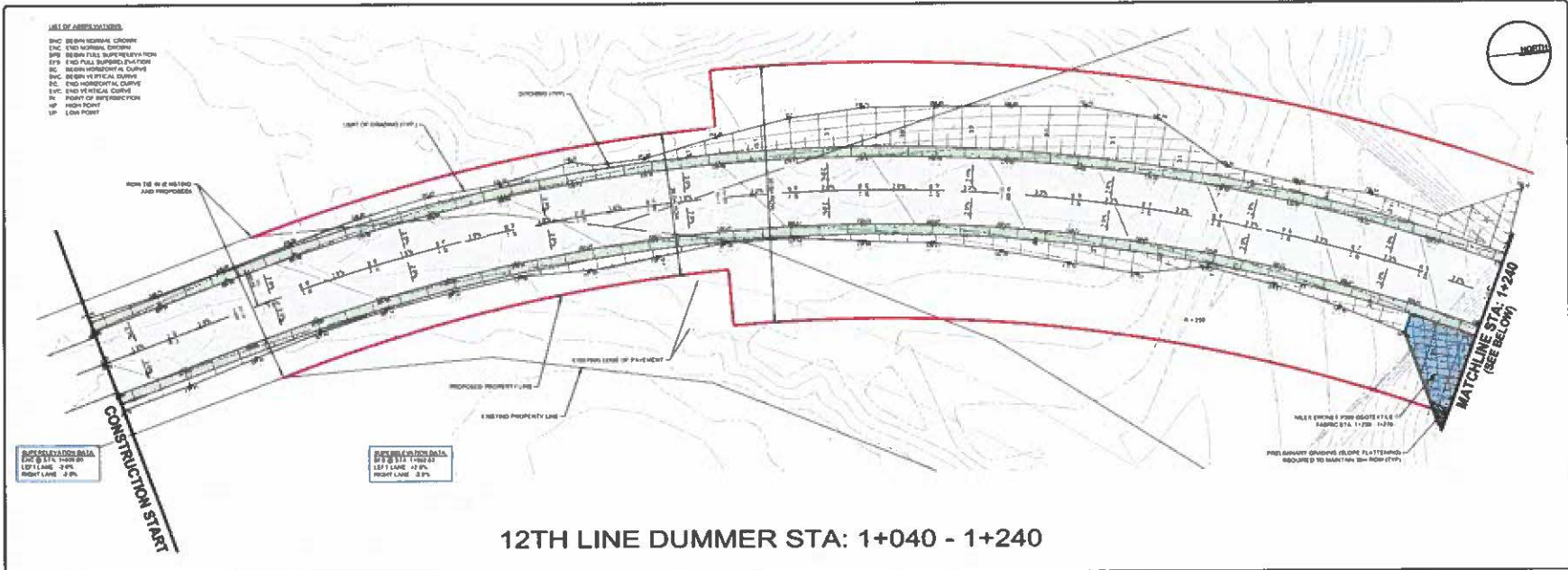
ENGAGE
 CONSULTING

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMITTING	05/21/14	[Name]
2	REVISED FOR PERMITTING	05/21/14	[Name]
3	REVISED FOR PERMITTING	05/21/14	[Name]

REALIGNMENT OF
 DUMMER 12TH LINE

OVERALL PLAN

DATE	BY	CHKD
05/21/14	[Name]	[Name]
05/21/14	[Name]	[Name]
05/21/14	[Name]	[Name]



SURVEY
 THE SURVEY IS BY ENGINEER
 BY D. G. P. & S. J. P. (PROFESSIONAL)

BENCHMARK
 USED A BENCHMARK SHOWING AN ELEVATION OF 11.00 METERS
 ELEV: XXX.XXXm

NOTES:

NO.	DESCRIPTION	DATE
1	ISSUED FOR REVIEW	2014 11 27
2	ISSUED FOR CONSTRUCTION	2014 11 27
3	REVISION	DATE



**REALIGNMENT OF
 12TH LINE SURFACE
 WORKS STA: 1+040 TO
 1+440**

NUMBER OF COPIES: 10

DATE: 2014 11 27

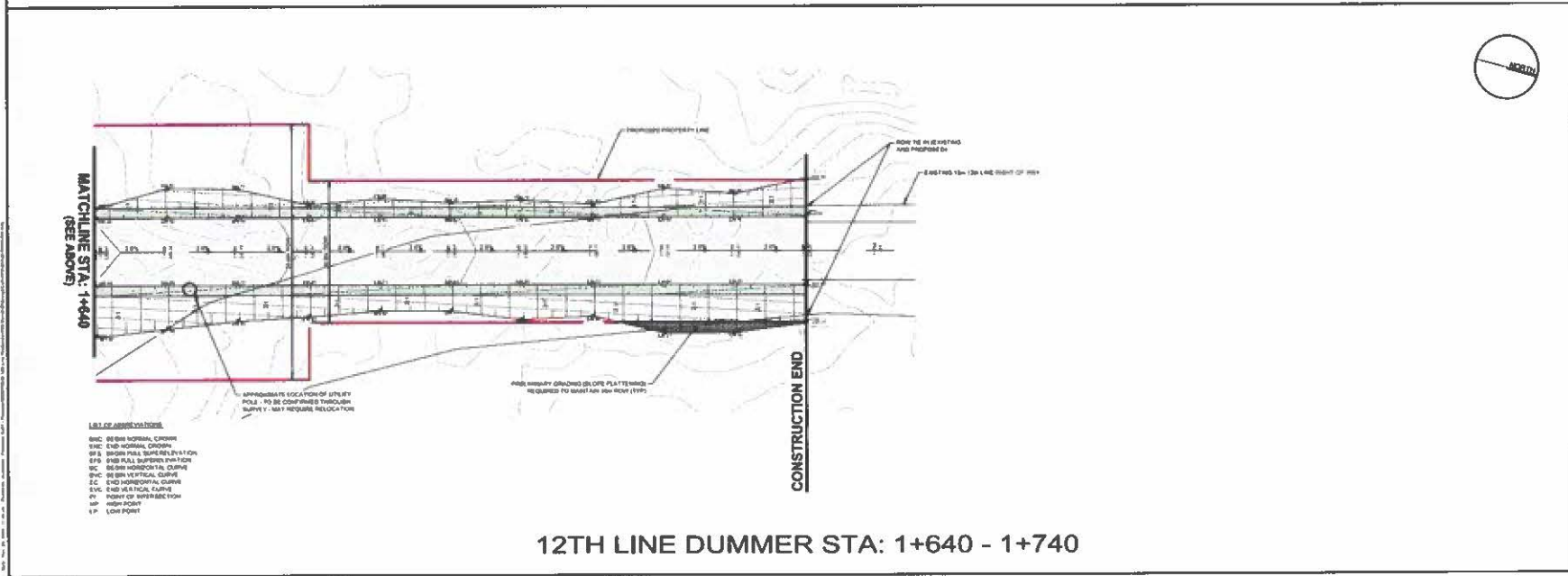
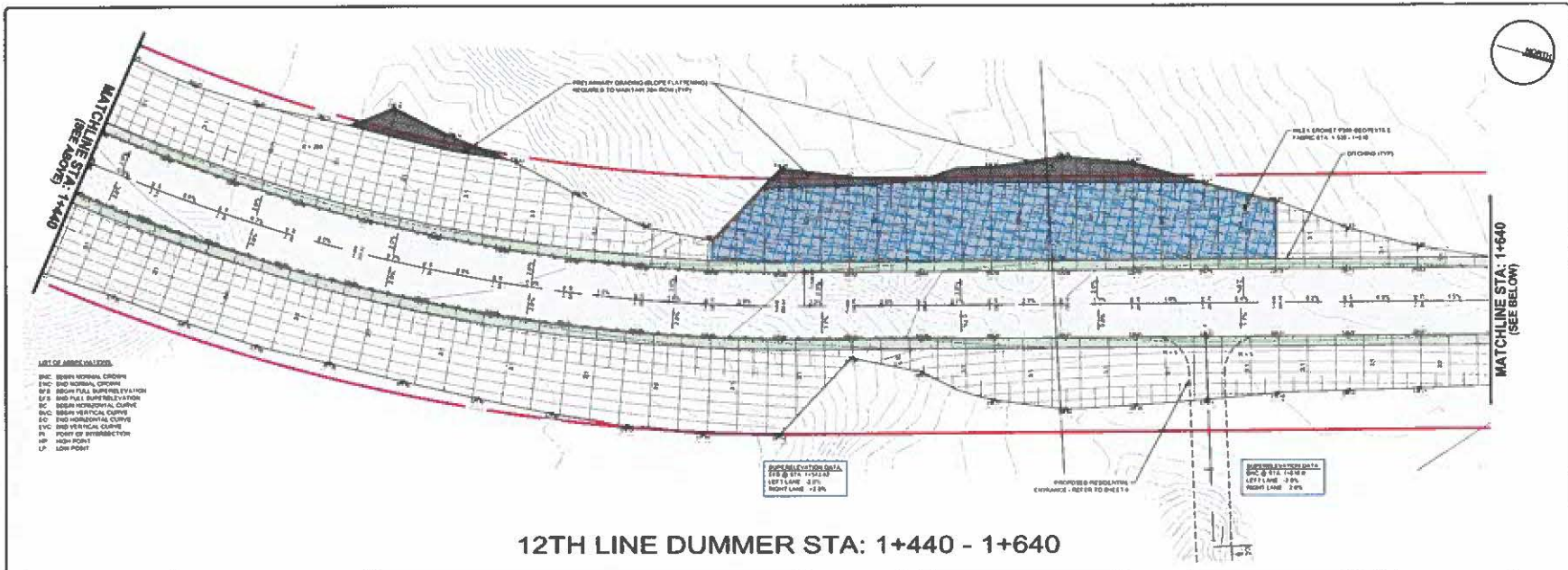
DESIGNED BY: P. H. RILEY

CHECKED BY: P. H. RILEY

SCALE: 1" = 40'

PROJ. NO.: 18669-SW

SHEET: 3 OF 15



SURVEY
 TOPOGRAPHIC SURVEY PROVIDED
 BY BILBY & PHIBBS ARCHITECTURE INC./D

BENCHMARK
 ONE A AND ONE B UP TO 20' IN ALL 10 METER POINTS SHOWN AT
 BENCH MARKS IN SURVEY BY BILBY & PHIBBS
 ELEV. XXX.XXXM

NOTES:

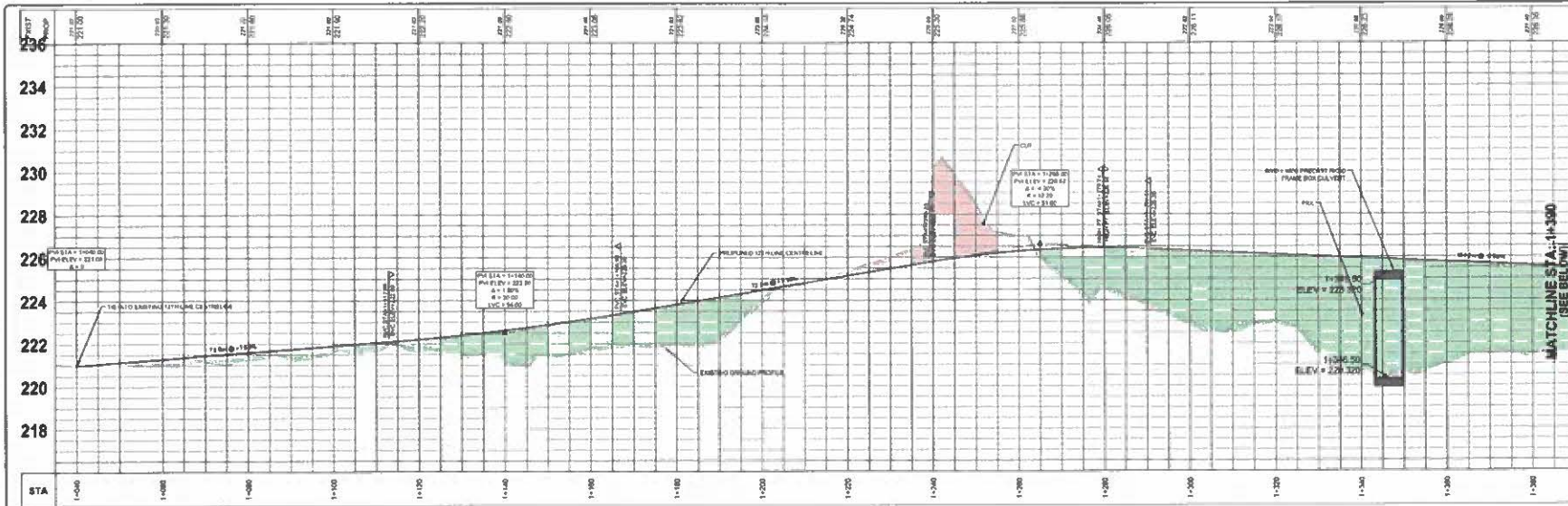
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2	DESIGNED FOR PERMITS REVIEW	DATE	2018-08-01
3	REVISION	BY	DATE



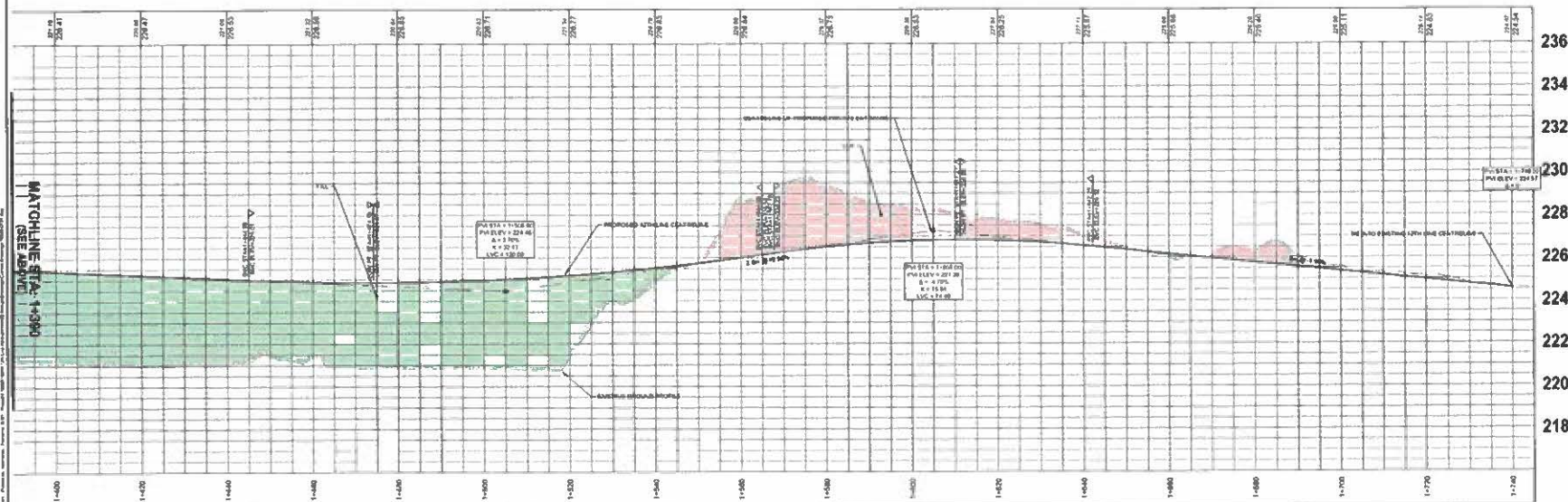
**REALIGNMENT OF
 DUMMER 12TH LINE**

WORKS STA: 1+440 TO
 1+740

DESIGNED BY	M. CHAMBERLAIN
DESIGNED BY	M. CHAMBERLAIN
APPROVED BY	
DATE	2018-07-28
SCALE	1" = 1'
PROJECT NUMBER	19049
FILE NAME	19049-SW
SHEET	4 OF 15



12TH LINE DUMMER STA: 1+040 - 1+390



12TH LINE DUMMER STA: 1+390 - 1+740

SURVEY
 TORONTO: 11-11-2010
 BY: G. J. B. / J. B. / J. B.

BENCHMARK
 100+00.00 = 229.50
 100+00.00 = 229.50
 100+00.00 = 229.50
 ELEV: XXX.XXXm

NOTES:
 LEGEND
 [Red Box] PROPOSED ROAD PROFILE
 [Green Box] EXISTING GROUND PROFILE

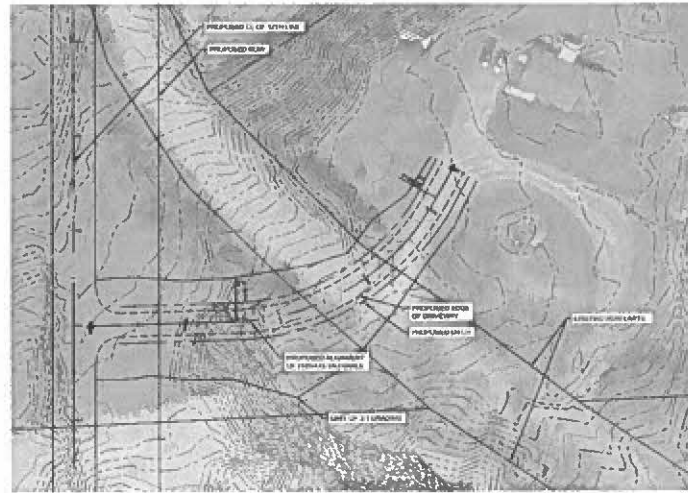
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2	ISSUED FOR REVIEW	2010-11-11
3	REVISION	DATE



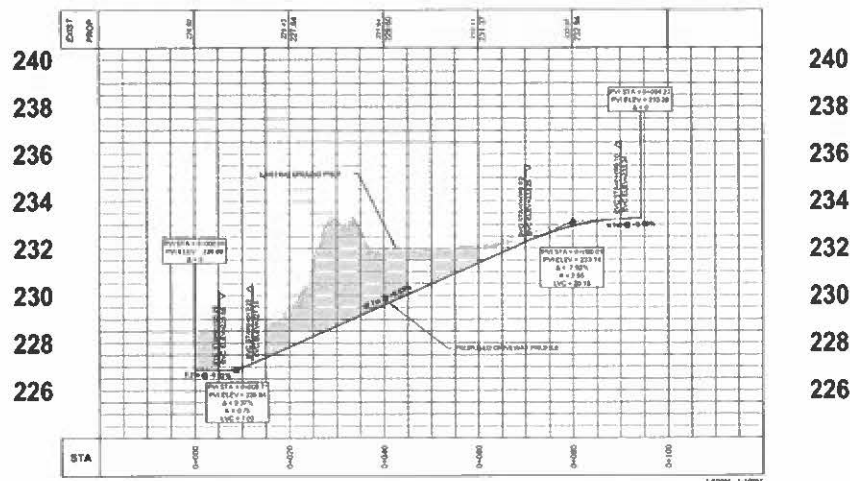
REALIGNMENT OF
 DUMMER 12TH LINE

12TH LINE PROFILE
 VIEWS

DESIGNED BY	DATE
APPROVED BY	DATE
SCALE	1:2000



PROPOSED DRIVEWAY PLAN



PROPOSED DRIVEWAY PROFILE



SURVEY
 TRANSFERRED TO THIS PROJECT
 BY ELLIOTT & ASSOCIATES INC.

BENCHMARK
 ONE 4 INCH PIP IN 12 IN DUCT IN STREET CROSSING AT
 INTERSECTION OF SUMMER 12TH LINE
 ELEV. XXX.XXXm

NOTES:

NO.	REVISION	BY	DATE
1	ADD FOR CONSTRUCTION	...	2014-11-20
2	REVISION FOR REVIEW	...	2014-08-21



**REALIGNMENT OF
 DUMMER 12TH LINE**

**PRIVATE ENTRANCE -
 PLAN & PROFILE**

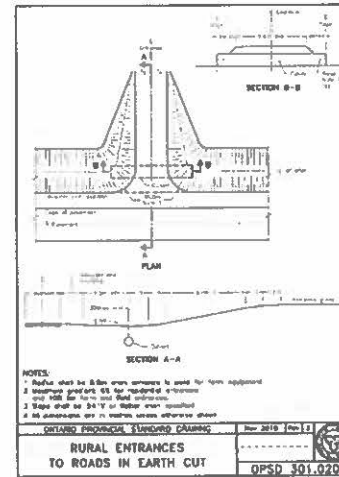
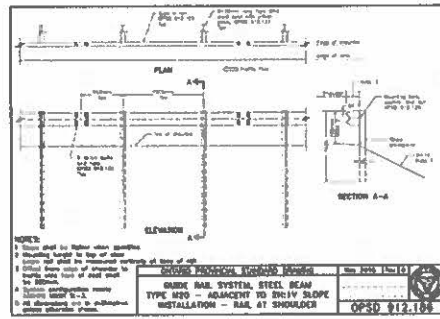
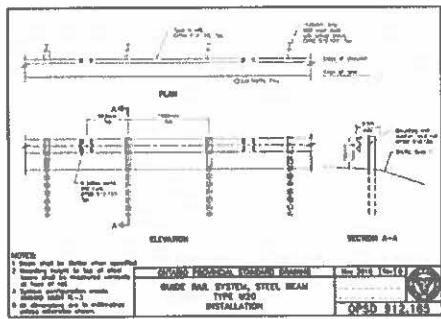
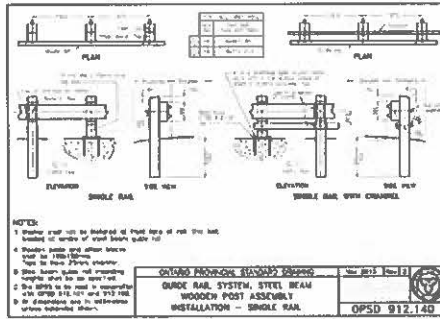
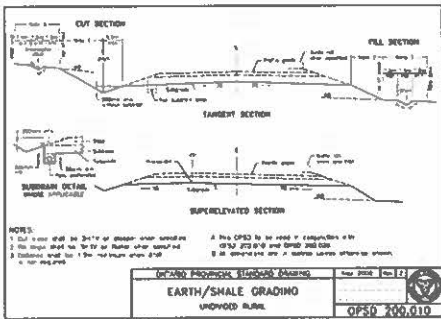
DATE: 2014-11-20

SCALE: AS SHOWN

PROJ. NO.: 10049

DATE: 2014-11-20

NO. OF SHEETS: 6 OF 15



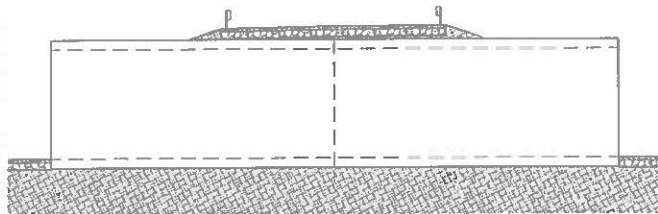
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

1. RIGHT-OF-WAY PAVEMENT STRUCTURE SCALE: N.T.S.



1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

2. DRIVEWAY PAVEMENT STRUCTURE SCALE: N.T.S.



3. CULVERT CROSS SECTION SCALE: 1:50



4. TYPICAL CROSS SECTION SCALE: 1:50



5. TYPICAL DRIVEWAY CROSS SECTION SCALE: 1:50

SURVEY
PROVISIONAL SURVEY PROVIDED BY CLIENT & FIELD OFFICE (UNSURE)

BENCHMARK
ELEV. XXX.XXXm

NOTES

1. THE POSITION OF THE BENCHMARK SHOULD BE APPROVED BY THE CLIENT. ALL BENCHMARK COORDINATES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE POSITION OF THE BENCHMARK SHOULD BE APPROVED BY THE CLIENT. ALL BENCHMARK COORDINATES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE POSITION OF THE BENCHMARK SHOULD BE APPROVED BY THE CLIENT. ALL BENCHMARK COORDINATES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

DESIGN PROVISIONS (UNSHOD ROAD)

EARTH/SHALE GRADING UNSHOD ROAD

Scale: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

OPSD 200.010

DESIGN PROVISIONS (SINGLE RAIL)

GUIDE RAIL SYSTEM, STEEL BEAM WOODEN POST ASSEMBLY INSTALLATION - SINGLE RAIL

Scale: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

OPSD 912.140

DESIGN PROVISIONS (TYPE #20)

GUIDE RAIL SYSTEM, STEEL BEAM TYPE #20 INSTALLATION

Scale: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

OPSD 912.185

DESIGN PROVISIONS (TYPE #20 - ADJACENT TO EMBANKMENT)

GUIDE RAIL SYSTEM, STEEL BEAM TYPE #20 - ADJACENT TO EMBANKMENT INSTALLATION - RAIL AT SHOULDER

Scale: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

OPSD 912.185

NO.	REVISION	BY	DATE

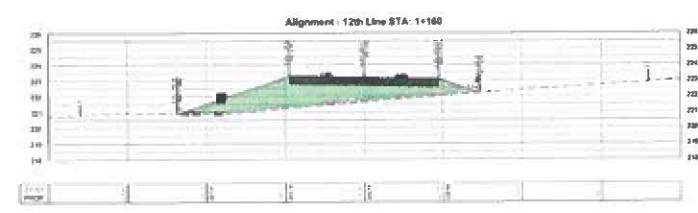
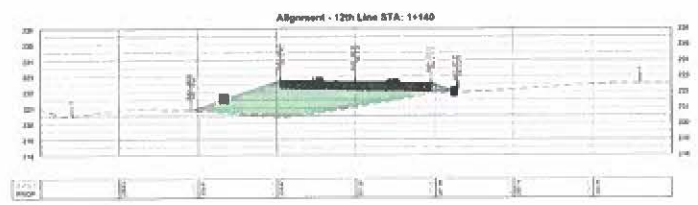
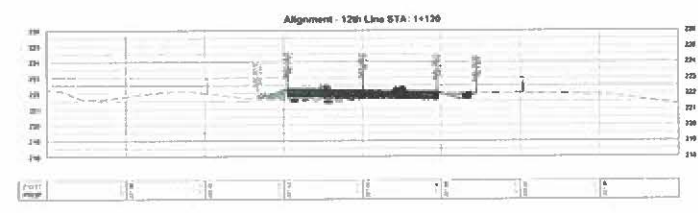
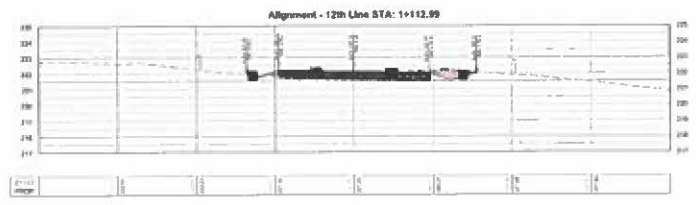
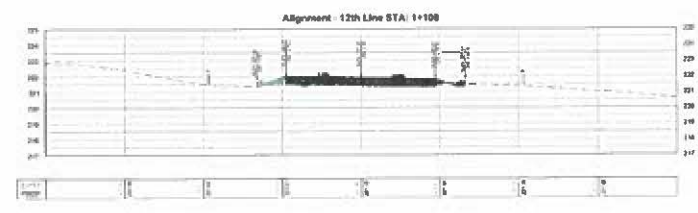
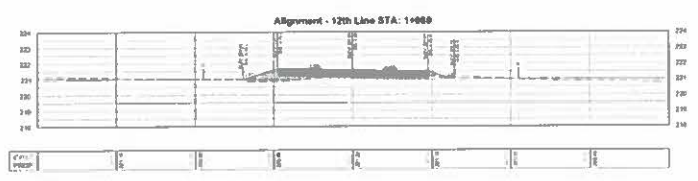
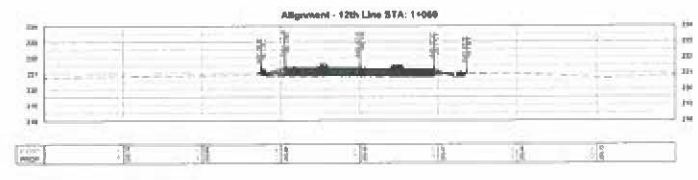
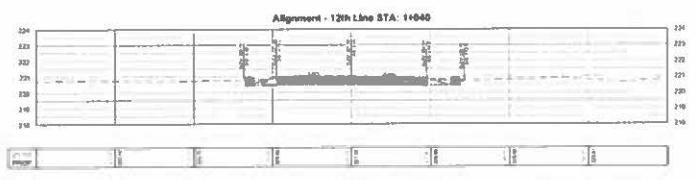
ENGAGE
CONSULTING

REALIGNMENT OF DUMMER 12TH LINE
PROJECT NO. 18049

DETAILS

NO.	REVISION	BY	DATE

SCALE: N.T.S.
PROJECT NUMBER: 18049
DATE: 18049-PP
PAGE: 7 OF 15



SURVEY
 HYDROLOGIC SURVEY PROVIDED
 BY ELLIOTT & PARK ENGINEERING LTD.

BENCHMARK
 2011 NAD 83 POINT 12TH LINE W. 1000+000.000 0.00
 BENCHMARK PLANT SURVEY BY ELLIOTT & PARK

ELEV: XXX.XXXm

NOTES:

1	DESIGNED FOR CONSTRUCTION	MM	2014 11 19
2	CHECKED FOR CONSTRUCTION	MM	2014 11 21
3	REVISED FOR REVIEW	MM	2014 11 21
4	REVISED FOR REVIEW	MM	2014 11 21



REALIGNMENT OF DUMMER 12TH LINE

Revised of 2014.05.08.000

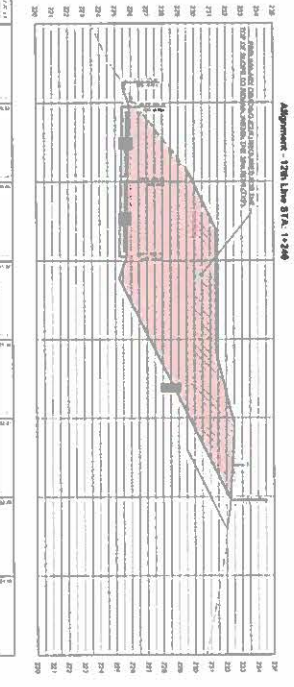
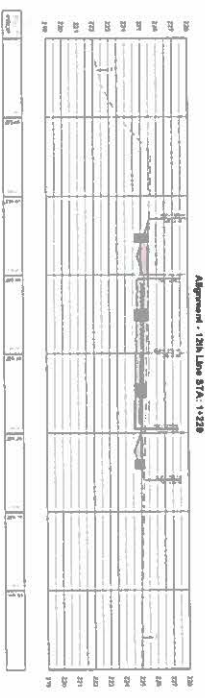
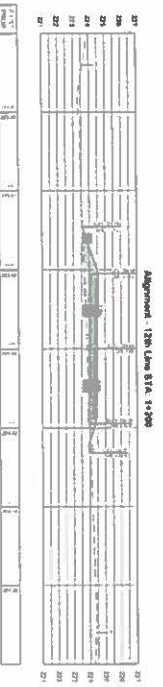
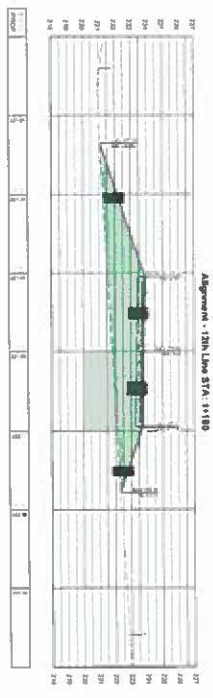
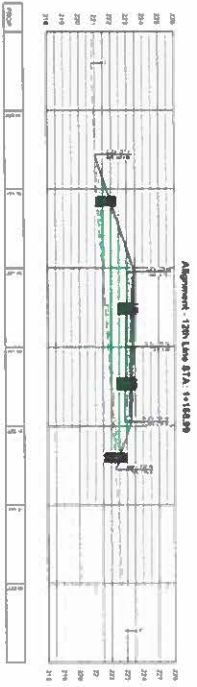
12TH LINE CROSS SECTIONS STA: 1+040 - 1+160

APPROVED BY:

DESIGNED BY:	MM
CHECKED BY:	MM
APPROVED BY:	MM
DATE:	2014 11 21

PROJECT NUMBER:	10049	FILE NAME:	10049-COR	SHEET:	5 OF 15
-----------------	-------	------------	-----------	--------	---------

10049-COR 11/21/14 11:24:14 AM 11/21/14 11:24:14 AM 11/21/14 11:24:14 AM 11/21/14 11:24:14 AM

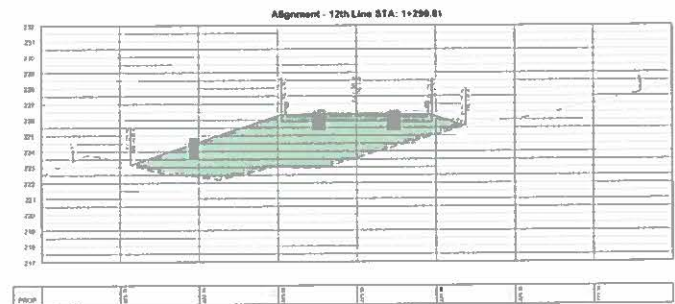
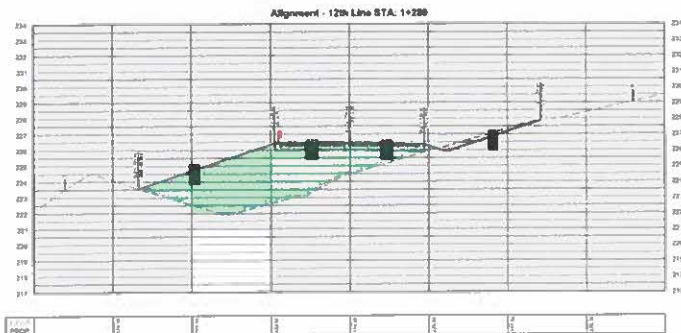
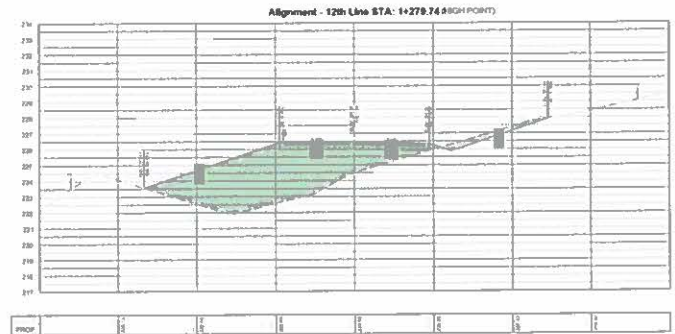
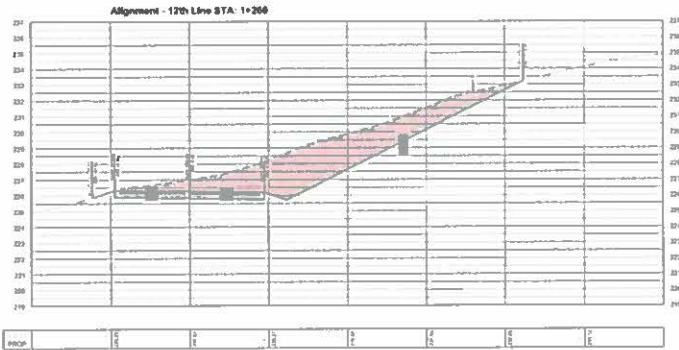


SURVEY
 BENCH MARK
 ELEV. 1011.56 ft
NOTES
 ELEV. 1011.56 ft



**REALIGNMENT OF
 DUMMER 12TH LINE**
 12TH LINE CROSS
 SECTIONS STA. 1+186.99 -
 1+240

SCALE: 1" = 40'
 DATE: 10/22/2019
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT: [Name]



SURVEY
 METRIC SURVEY PROVIDED
 BY SURVEY & DESIGN SERVICES LTD.

BENCHMARK
 1984 + 1985 SURVEY 1984 + 1985 POINTS ONLY - 14
 ELEVATION OF BENCHMARK IS 219.000m

ELEV: XXX.XXXm

NOTES

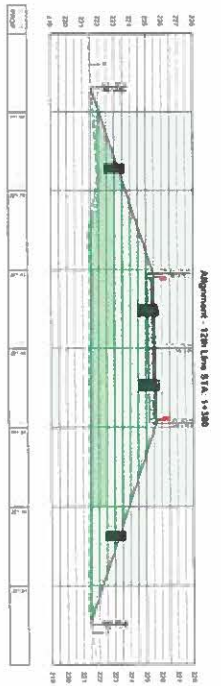
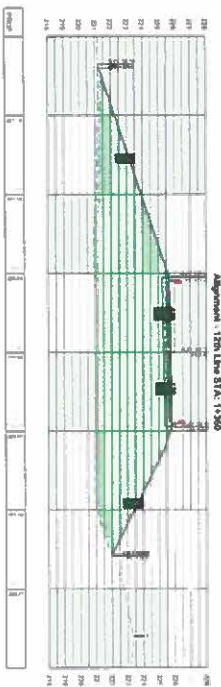
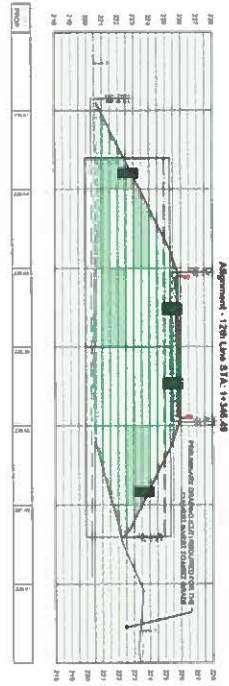
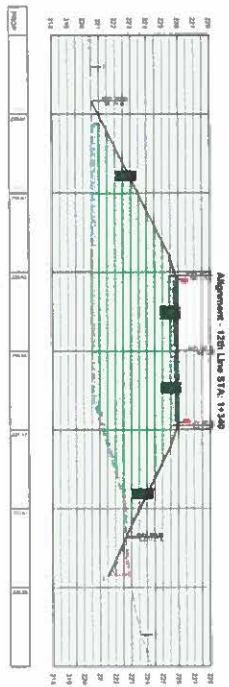
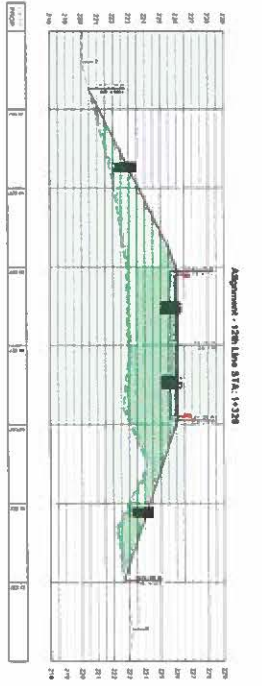
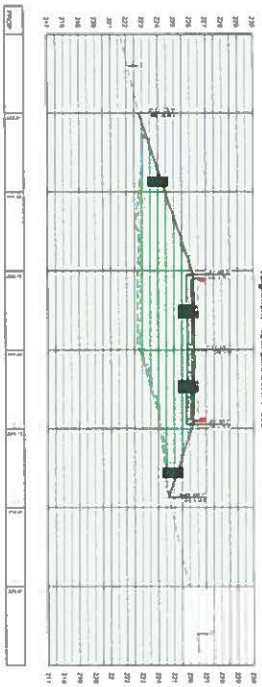


**REALIGNMENT OF
 DUMMER 12TH LINE**

12TH LINE CROSS
 SECTIONS STA: 1+260 -
 1+290.81

DESIGNED BY M. CAMERON	GROUP
DRAWN BY M. CAMERON	
APPROVED BY M. HALEY	
DATE 2014-09-15	

SCALE 1:400	PROJECT NO. 18049	FILE NAME 18049-COR	SHEET 18 OF 15
----------------	----------------------	------------------------	-------------------



SURVEY
 THE INFORMATION CONTAINED
 HEREIN IS BASED ON INFORMATION
 RECEIVED FROM THE
BENCHMARK
 AND THE ACCURACY OF THE DATA IS NOT GUARANTEED BY THE
 ENGINEER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE
 DATA AND THE ACCURACY OF THE DATA IS NOT GUARANTEED BY THE
ELEV. XYZ, XYZ, XYZ

NOTES

NO. 1	DATE	DESCRIPTION
1	11/05/15	ISSUE FOR CONSTRUCTION
2	11/05/15	ISSUE FOR CONSTRUCTION
3	11/05/15	ISSUE FOR CONSTRUCTION
4	11/05/15	ISSUE FOR CONSTRUCTION
5	11/05/15	ISSUE FOR CONSTRUCTION

ENGAGE
 ENGINEERING & ARCHITECTURE

**REALIGNMENT OF
 DUMMIE 12TH LINE
 12TH LINE CROSS
 SECTIONS STA. 1+300 -
 1+380**

PROJECT NO. 1804-COR
 SHEET NO. 11 OF 15

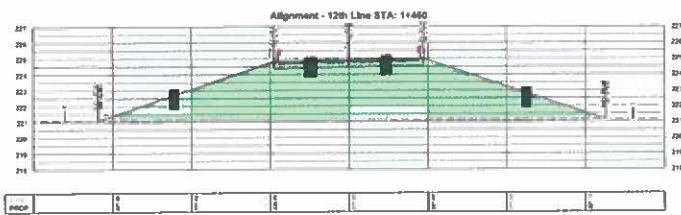
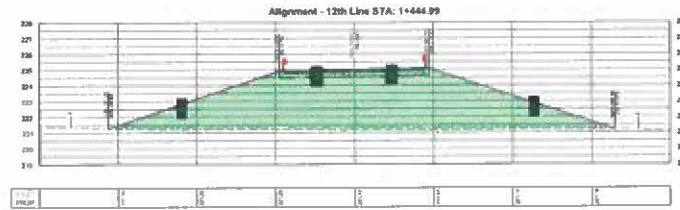
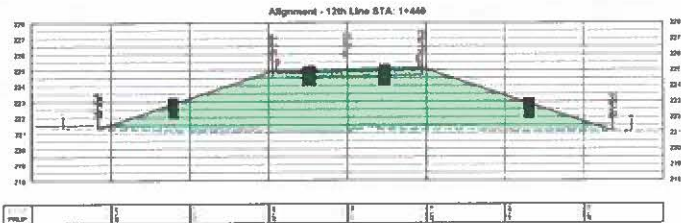
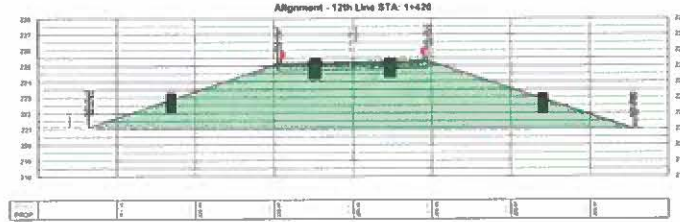
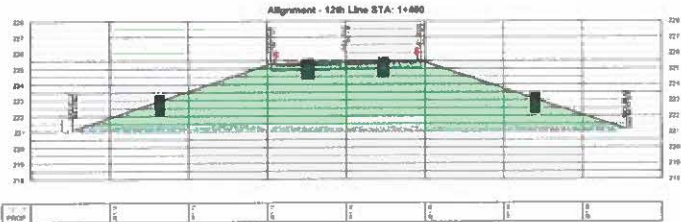


SURVEY
CONDUCTING SURVEY PROVIDED
BY ELIOTT & PARSONS CONSULTANTS LTD.

BENCHMARK
ELEVATION 200.000 M (AS PER SURVEY) USED AS A
REFERENCE POINT FOR ELEVATION BY ELIOTT & PARSONS

ELEV: XXX.XXXm

NOTES



1	DESIGN FOR CONSTRUCTION	IN	2019-11-20
2	REVISED FOR CON. REVIEW	INT	2019-09-27
3	REVISIONS	REV	2019-11-20



REALIGNMENT OF
DUMMER 12TH LINE

12TH LINE CROSS
SECTIONS STA: 1+400 -
1+465.35

DESIGNED BY	PROP
CHECKED BY	IN EXAMINATION
APPROVED BY	IN EXAMINATION
DATE	2019-11-20
SCALE	1:50
PROJ. NO.	18049
FILE NO.	18049-COR
SHEET NO.	12 OF 19

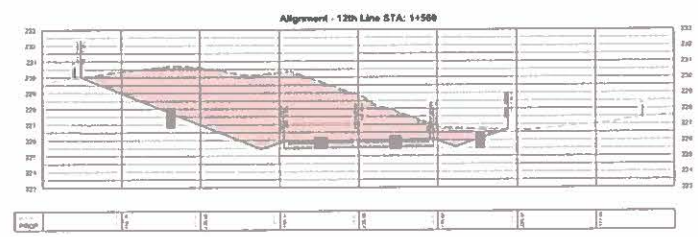
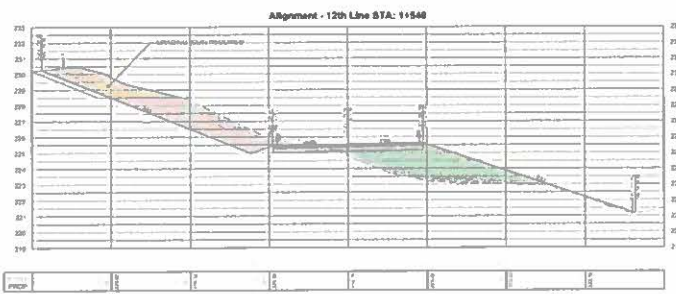
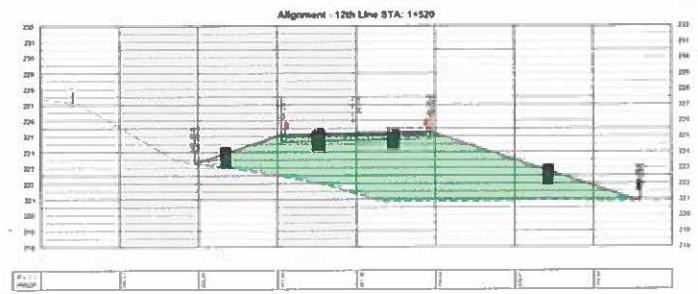
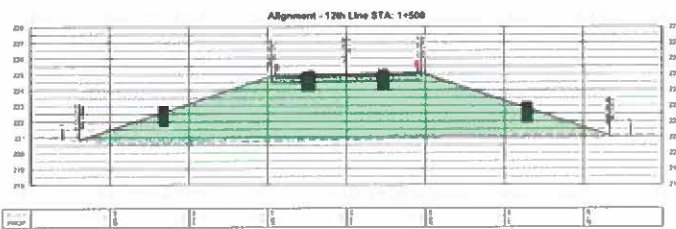
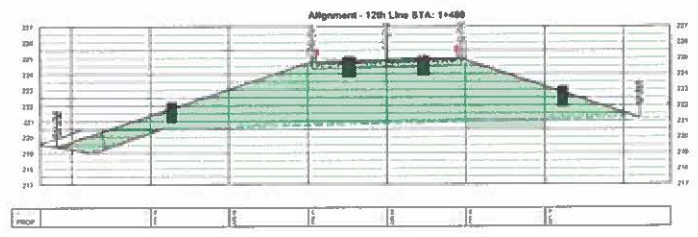
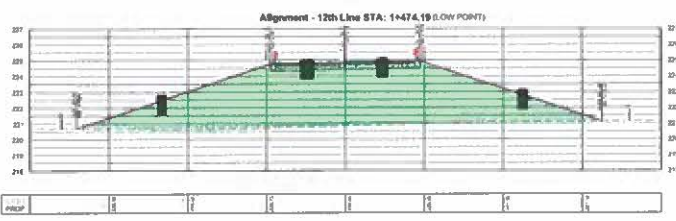


SURVEY
 CONTINUING SURVEY PROVIDED
 BY ELIOTT & PARK ARCHITECTS/ENGINEERS

BENCHMARK
 CITY OF DUMMER'S 12TH LINE AT WEST 12TH LINE IS AT
 CORNER OF PLUMB LINE OF 12TH LINE AT ELEV. 1.000m

ELEV: XXX.XXXm

NOTES



1	DESIGNED FOR CONSTRUCTION	W	2006-11-28
2	REVISED FOR AIR REVIEW	W	2006-12-21
3	REVISION	W	2007-01-18



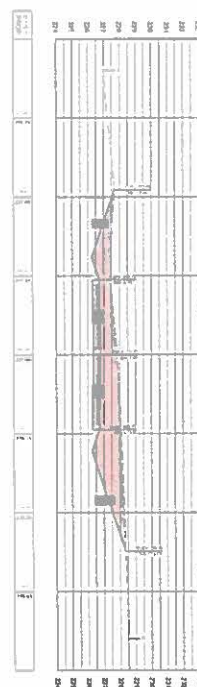
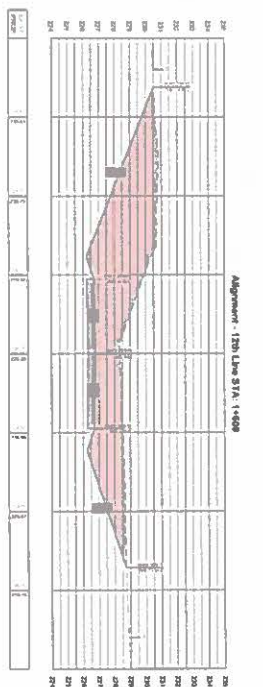
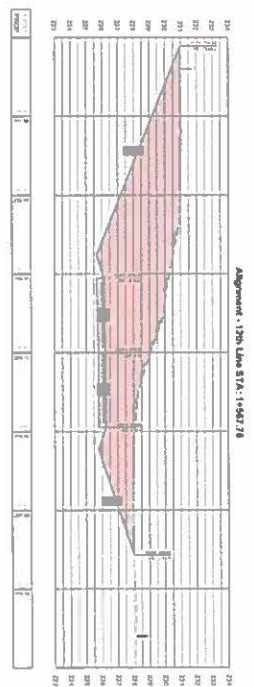
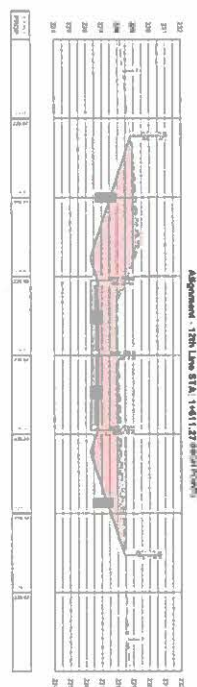
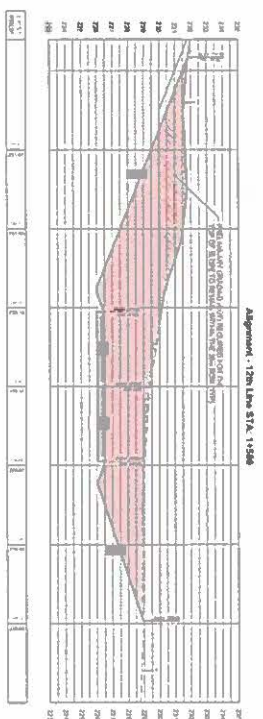
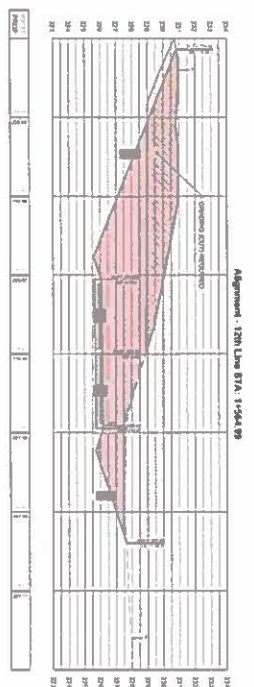
**REALIGNMENT OF
 DUMMER 12TH LINE**

NUMBER OF PROPOSED
**12TH LINE CROSS
 SECTIONS STA: 1+474.19 -
 1+560**

DESIGNED BY	W. GIBSON
CHECKED BY	W. GIBSON
APPROVED BY	P. HALEY
DATE	2004-08-04

SCALE	1:100
PROJECT NO.	19049
FILE NAME	19049-COR
SHEET	13 OF 15

19049-COR-13 OF 15.dwg - 12/21/06 10:00 AM - PLOT - 12/21/06 10:00 AM - PLOT - 12/21/06 10:00 AM



SURVEY
 12th Line Corridor
 Station 1+564.99 to 1+620.00
BENCHMARK
 12th Line Corridor
 Station 1+564.99 to 1+620.00
ELV. 303.527m

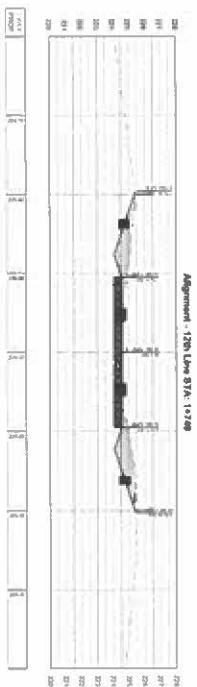
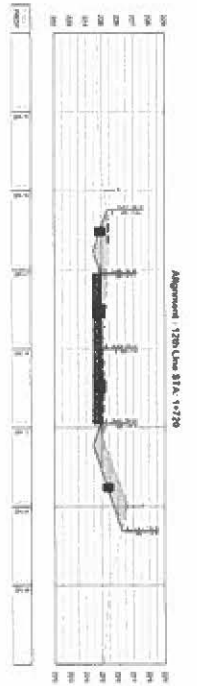
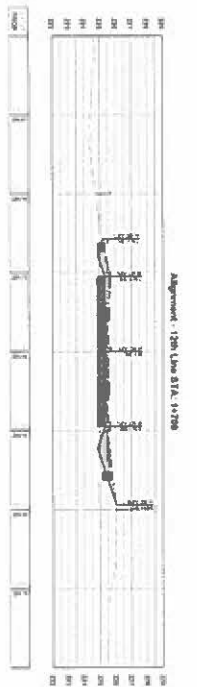
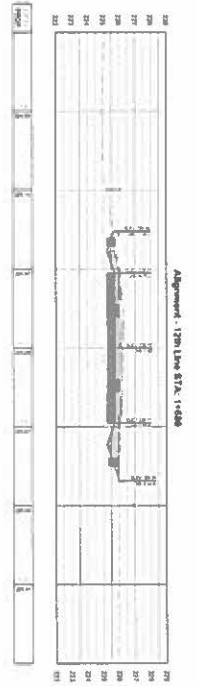
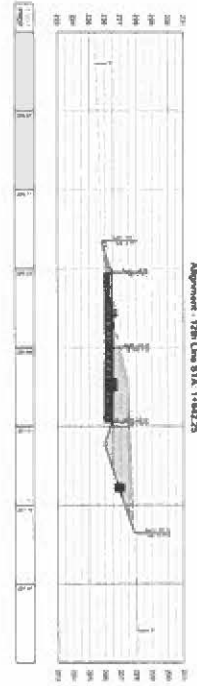
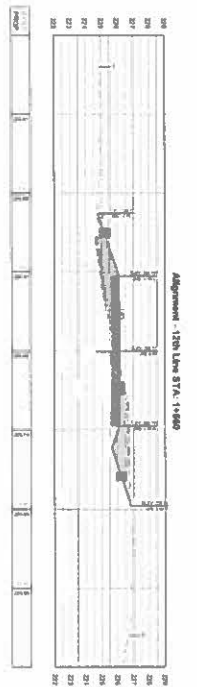
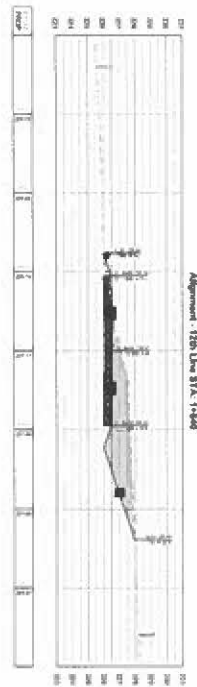
NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ROAD UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE DITCH UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE SIDEWALK UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE BIKEWAY UNLESS OTHERWISE SPECIFIED.
8. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE TRAIL UNLESS OTHERWISE SPECIFIED.
9. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PATH UNLESS OTHERWISE SPECIFIED.
10. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE WALKWAY UNLESS OTHERWISE SPECIFIED.



**REALIGNMENT OF
 DUMMER 12TH LINE**
 Number of Road Sections:
**12TH LINE CROSS
 SECTIONS STA. 1+564.99 -
 1+620**

NO. OF STATIONS	11
NO. OF CROSS SECTIONS	11
NO. OF ROAD SECTIONS	11
NO. OF SIDEWALK SECTIONS	11
NO. OF BIKEWAY SECTIONS	11
NO. OF TRAIL SECTIONS	11
NO. OF PATH SECTIONS	11
NO. OF WALKWAY SECTIONS	11
NO. OF TOTAL SECTIONS	11
NO. OF TOTAL STATIONS	11
NO. OF TOTAL CROSS SECTIONS	11
NO. OF TOTAL ROAD SECTIONS	11
NO. OF TOTAL SIDEWALK SECTIONS	11
NO. OF TOTAL BIKEWAY SECTIONS	11
NO. OF TOTAL TRAIL SECTIONS	11
NO. OF TOTAL PATH SECTIONS	11
NO. OF TOTAL WALKWAY SECTIONS	11
NO. OF TOTAL CROSS SECTIONS	11
NO. OF TOTAL ROAD SECTIONS	11
NO. OF TOTAL SIDEWALK SECTIONS	11
NO. OF TOTAL BIKEWAY SECTIONS	11
NO. OF TOTAL TRAIL SECTIONS	11
NO. OF TOTAL PATH SECTIONS	11
NO. OF TOTAL WALKWAY SECTIONS	11
NO. OF TOTAL CROSS SECTIONS	11
NO. OF TOTAL ROAD SECTIONS	11
NO. OF TOTAL SIDEWALK SECTIONS	11
NO. OF TOTAL BIKEWAY SECTIONS	11
NO. OF TOTAL TRAIL SECTIONS	11
NO. OF TOTAL PATH SECTIONS	11
NO. OF TOTAL WALKWAY SECTIONS	11
NO. OF TOTAL CROSS SECTIONS	11
NO. OF TOTAL ROAD SECTIONS	11
NO. OF TOTAL SIDEWALK SECTIONS	11
NO. OF TOTAL BIKEWAY SECTIONS	11
NO. OF TOTAL TRAIL SECTIONS	11
NO. OF TOTAL PATH SECTIONS	11
NO. OF TOTAL WALKWAY SECTIONS	11



SURVEY
 1884-COR
 10/15/19
 1884-COR

DESIGNER:
 1884-COR
 10/15/19
 1884-COR

NOTES:
 ELEV. XXX.XXXX

ENGAGE

REALIGNMENT OF
 DUMMER 12TH LINE
 12TH LINE CROSS
 SECTIONS STA. 14640 -
 14740

Number of AutoCAD Blocks: _____

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ADDED FOR CONSTRUCTION			
2	REVISION FOR REVIEW			
3	REVISION			

PROJECT:	1884-COR
DATE:	10/15/19
SCALE:	1" = 40'
PROJECT:	1884-COR
DATE:	10/15/19
SCALE:	1" = 40'