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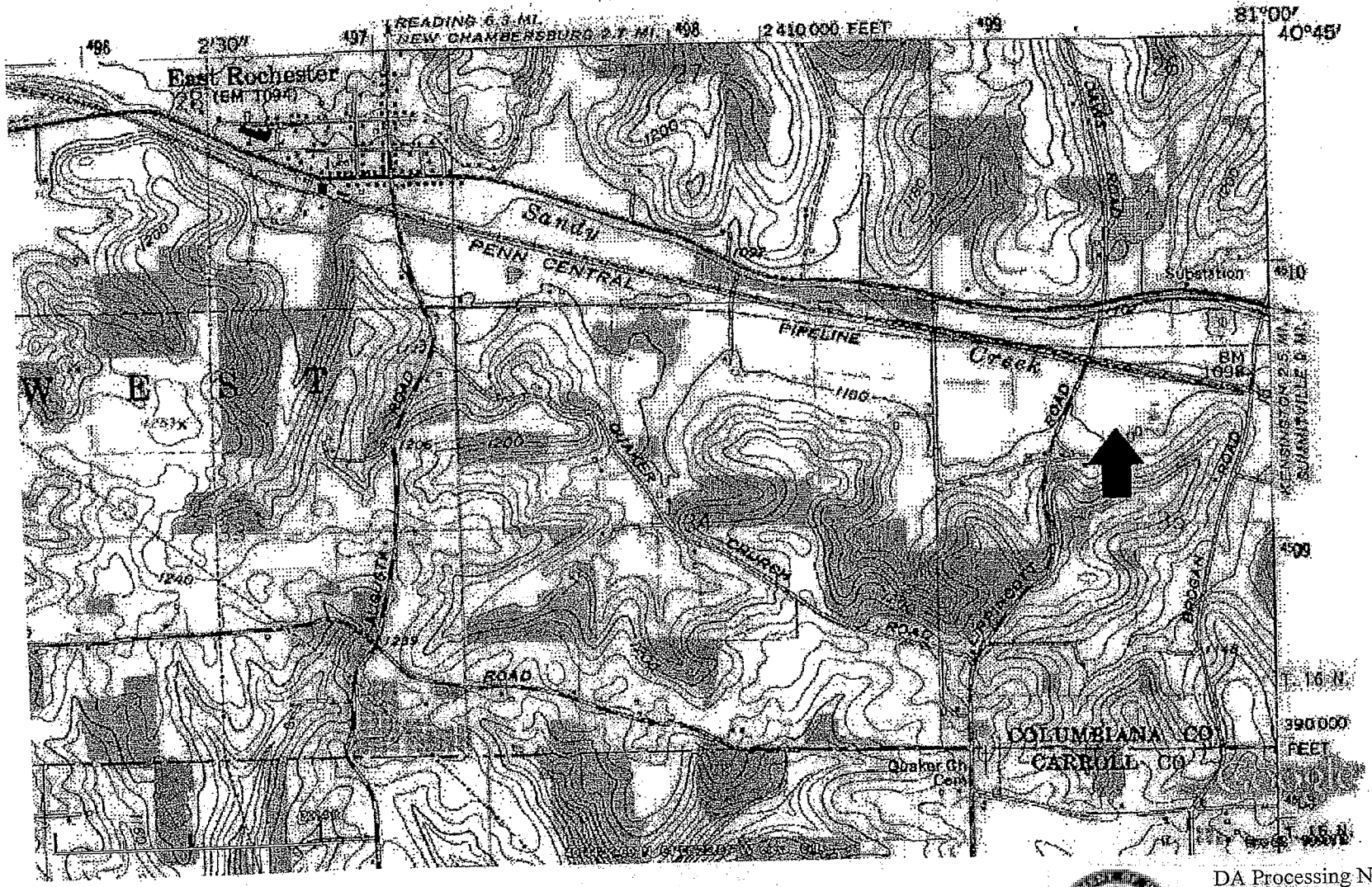
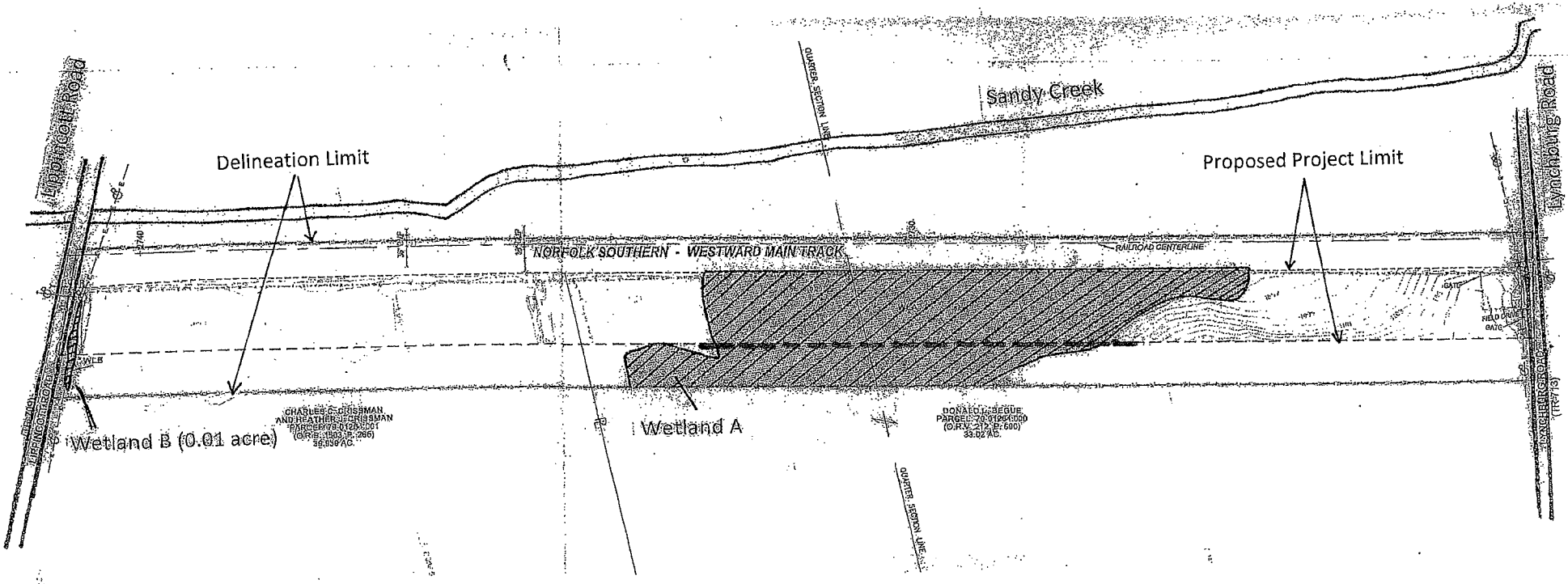
MINERVA QUADRANGLE
OHIO
7.5 MINUTE SERIES (TOPOGRAPHIC)

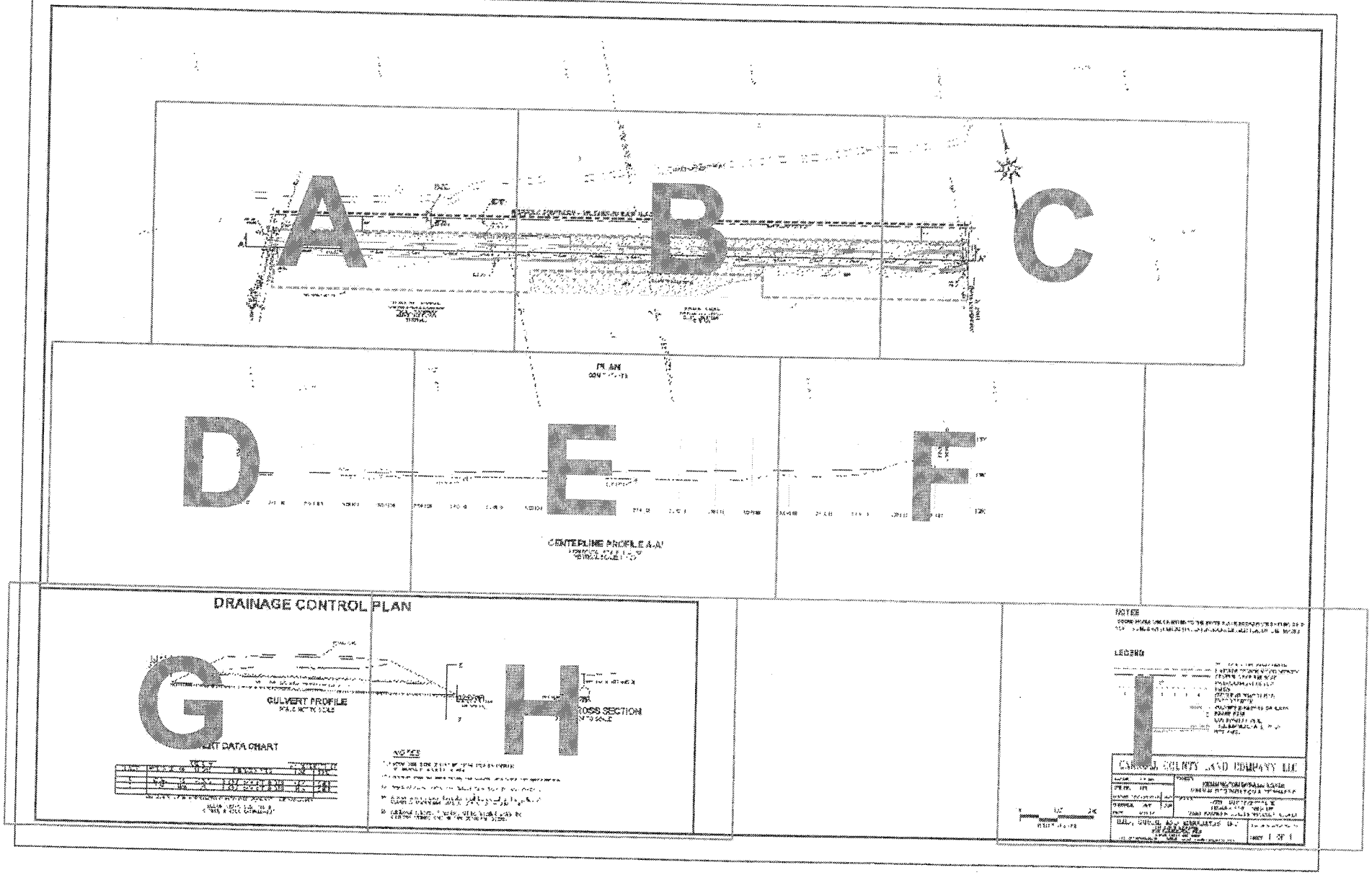


DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 1 of 12

Existing Conditions



DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 2 of 12



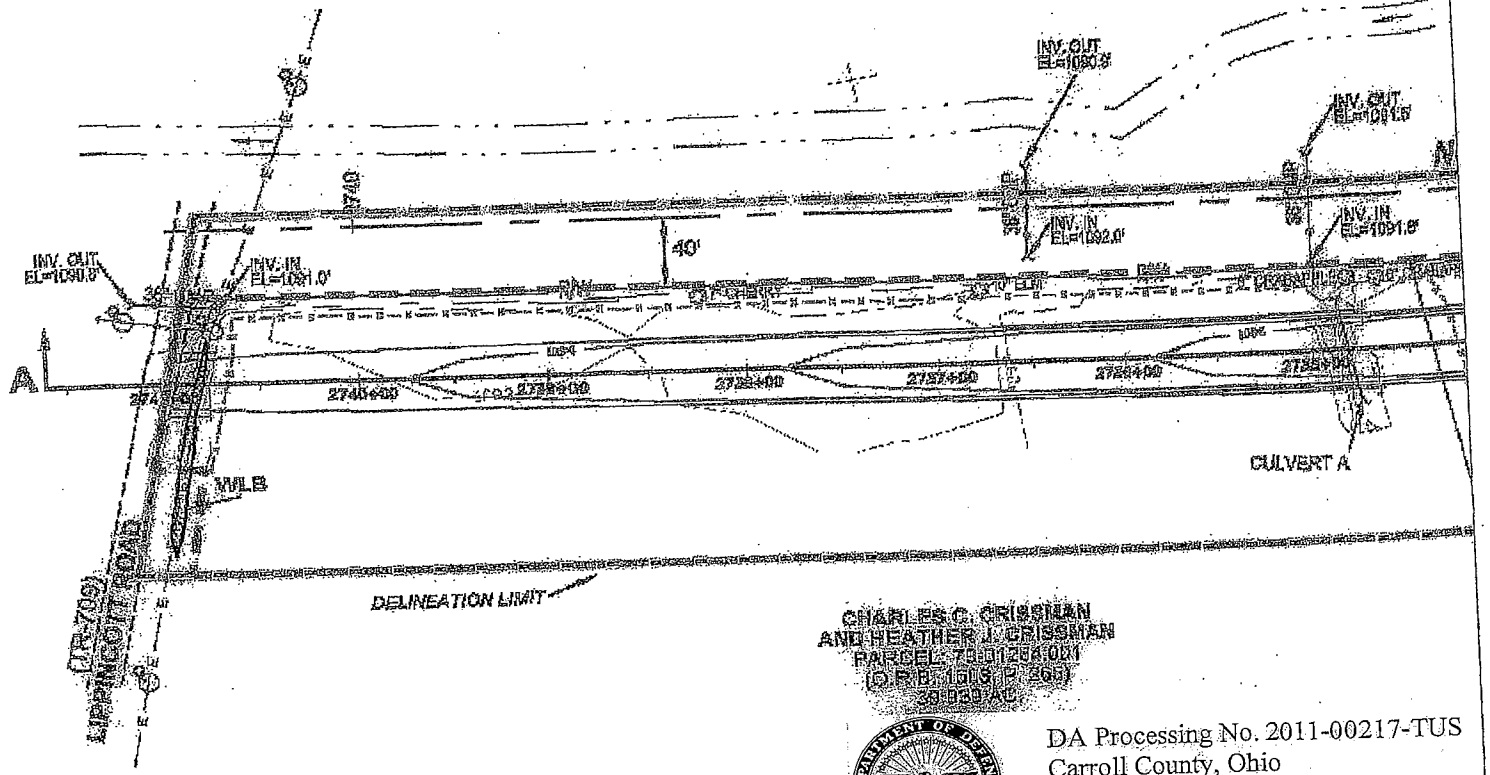
Minimal Alternative

KEY

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: NTS
DATE: 8/27/12

DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 3 of 12

RB-KEN-BYPASS-118



DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 4 of 12

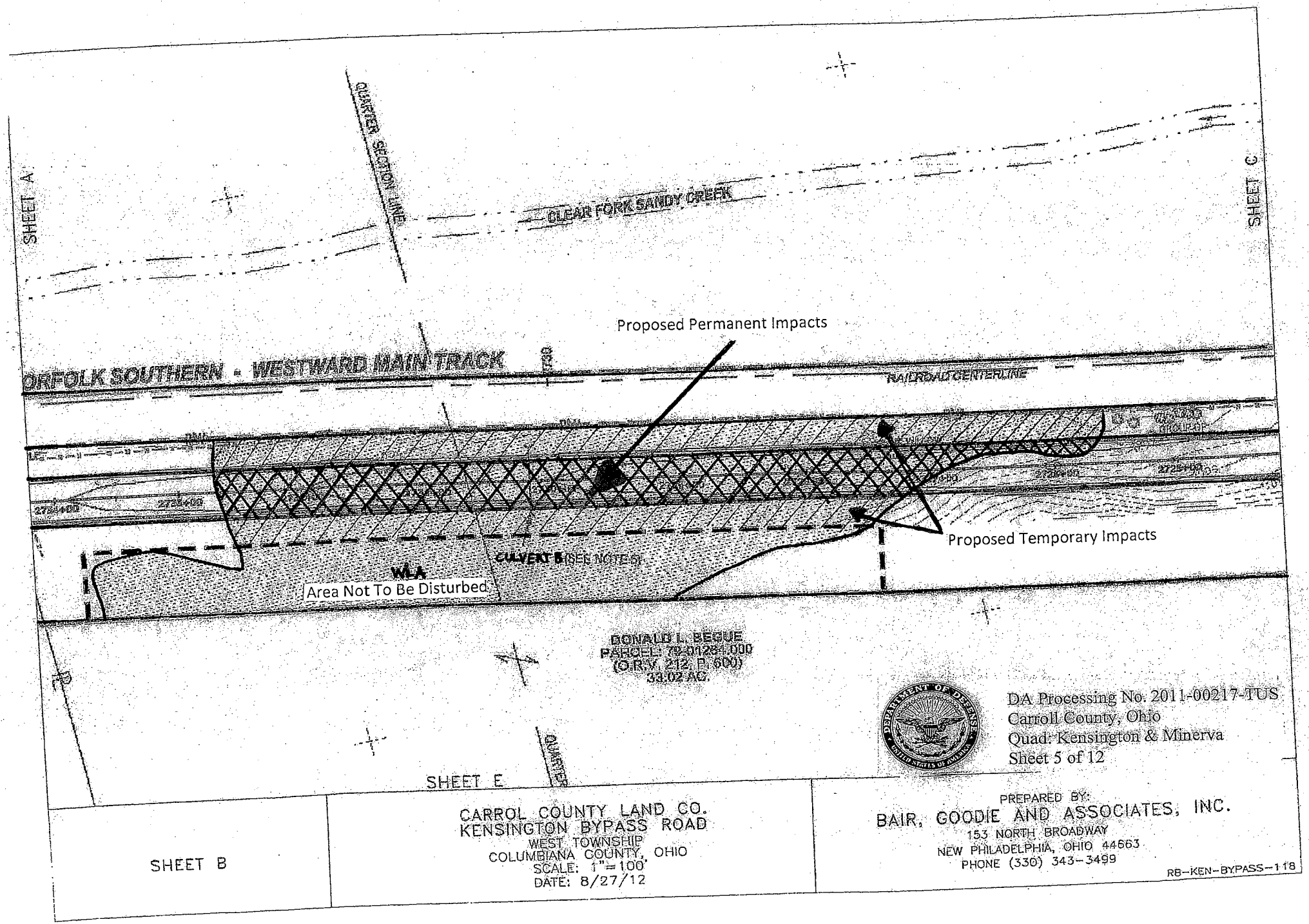
SHEET D

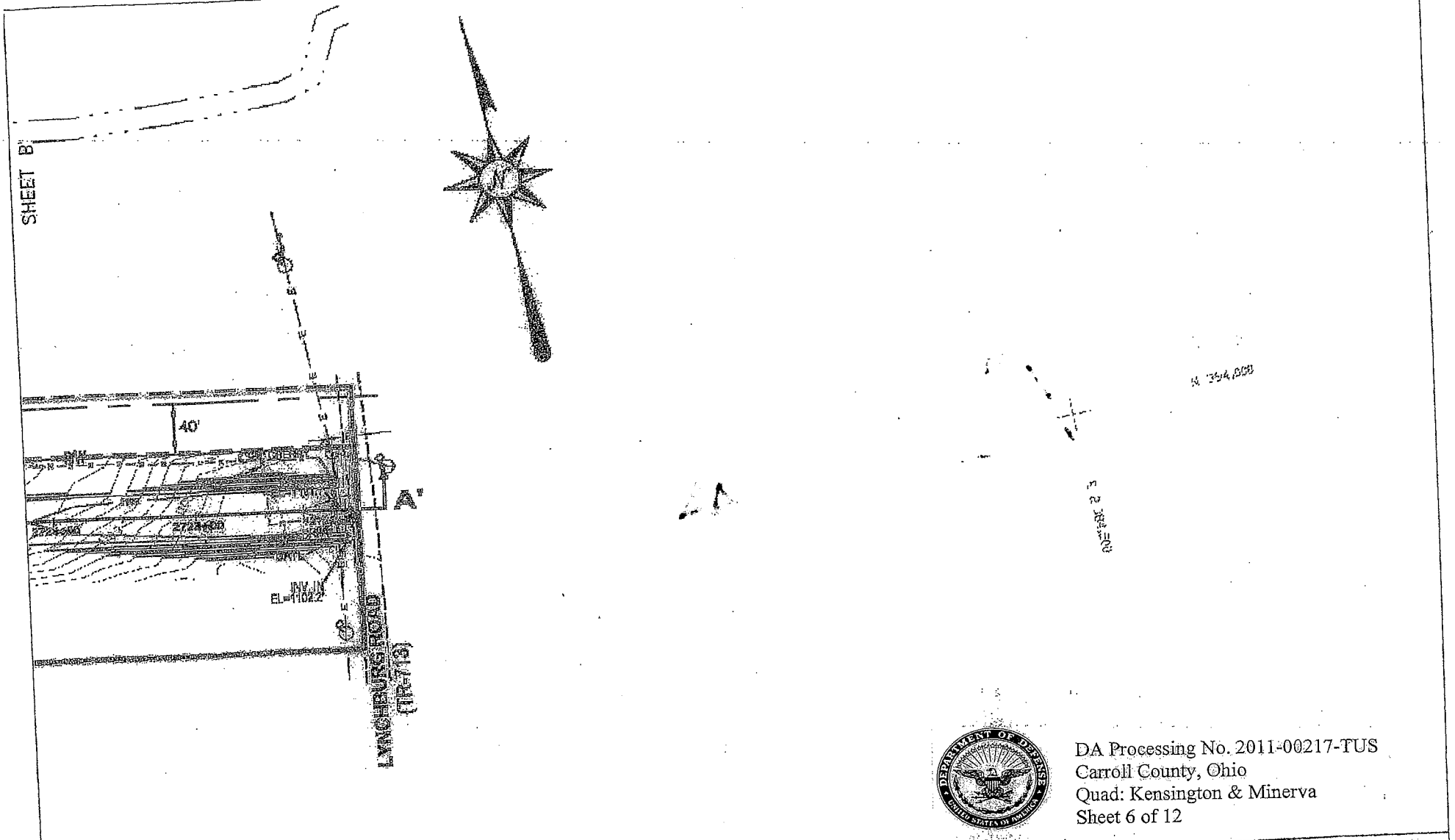
SHEET A

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
DATE: 8/27/12

PREPARED BY:
BAIR, GOODIE AND ASSOCIATES, INC.
153 NORTH BROADWAY
NEW PHILADELPHIA, OHIO 44663
PHONE (330) 343-3499

RB-KEN-BYPASS-118

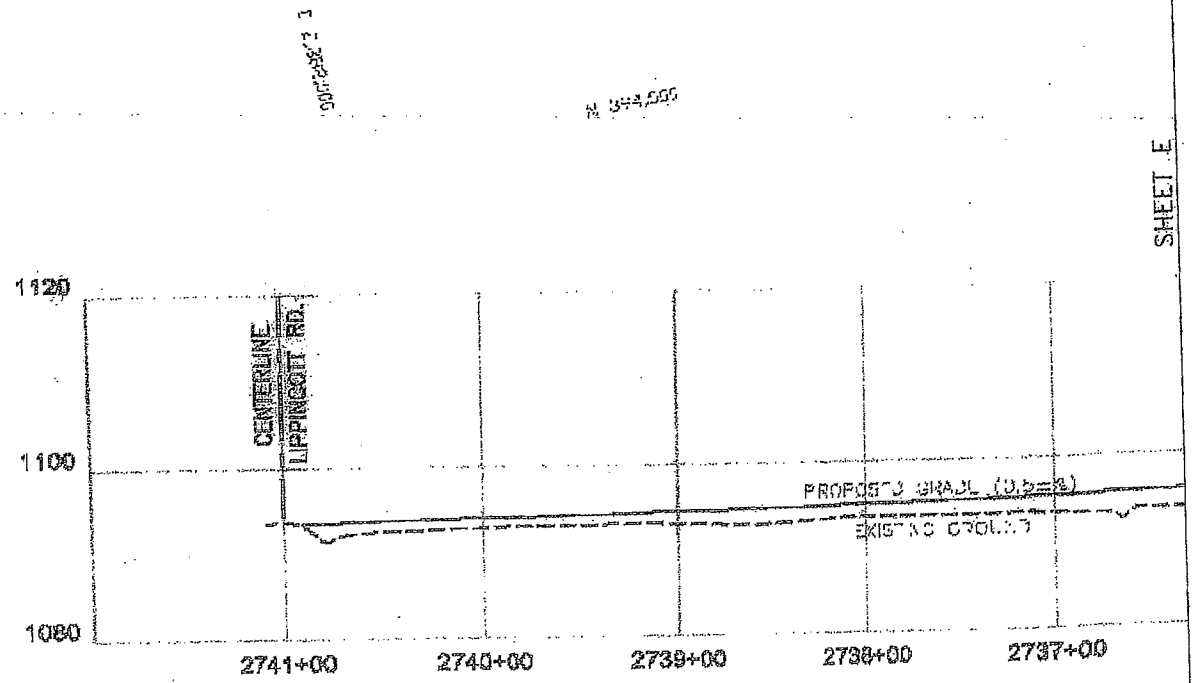

SHEET A
QUARTER SECTION LINE
CLEAR FORK SANDY CREEK
SHEET C
Proposed Permanent Impacts
NORFOLK SOUTHERN - WESTWARD MAIN TRACK
RAILROAD CENTERLINE
Proposed Temporary Impacts
CULVERT 5 (SEE NOTE 5)
WLA
Area Not To Be Disturbed
DONALD L. BEGUE
PARCEL: 76-01281.000
(O.R.V. 212, P. 600)
33.02 AC.
DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 5 of 12
SHEET E
QUARTER
SHEET B
CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
DATE: 8/27/12
PREPARED BY:
BAIR, GOODIE AND ASSOCIATES, INC.
153 NORTH BROADWAY
NEW PHILADELPHIA, OHIO 44663
PHONE (330) 343-3499
RB-KEN-BYPASS-118



SHEET F

SHEET C	CARROL COUNTY LAND CO. KENSINGTON BYPASS ROAD WEST TOWNSHIP COLUMBIANA COUNTY, OHIO SCALE: 1"=100' DATE: 8/27/12	PREPARED BY: BAIR, GOODIE AND ASSOCIATES, INC. 153 NORTH BROADWAY NEW PHILADELPHIA, OHIO 44663 PHONE (330) 343-3499 RB-KEN-BYPASS-118

SHEET A



SHEET E

DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 7 of 12

SHEET G

SHEET D

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
DATE: 8/27/12

PREPARED BY:
BAIR, GOODIE AND ASSOCIATES, INC.
153 NORTH BROADWAY
NEW PHILADELPHIA, OHIO 44663
PHONE (330) 343-3499

RB-KEN-BYPASS-11B

SHEET B

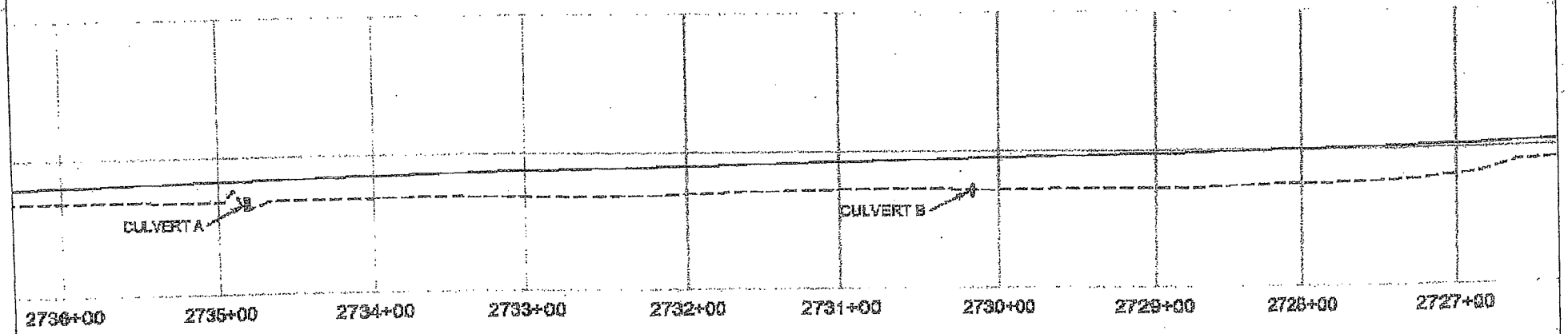
PLAN

SCALE: 1" = 100'

SECTION LINE

SHEET D

SHEET F



CENTERLINE PROFILE A-A'

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 20'

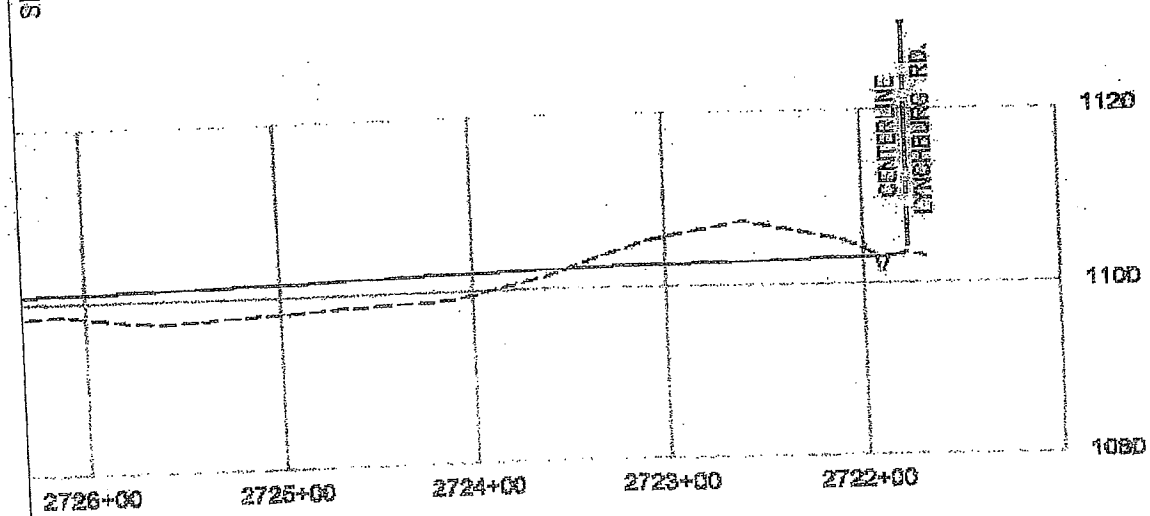
DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 8 of 12

SHEET H

SHEET E	CARROL COUNTY LAND CO. KENSINGTON BYPASS ROAD WEST TOWNSHIP COLUMBIANA COUNTY, OHIO SCALE: 1"=100' DATE: 8/27/12	PREPARED BY: BAIR, GOODIE AND ASSOCIATES, INC. 153 NORTH BROADWAY NEW PHILADELPHIA, OHIO 44663 PHONE (330) 343-3499 R8-KEN-BYPASS-118

SHEET C

SHEET E



DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 9 of 12

SHEET F

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
DATE: 8/27/12

PREPARED BY:
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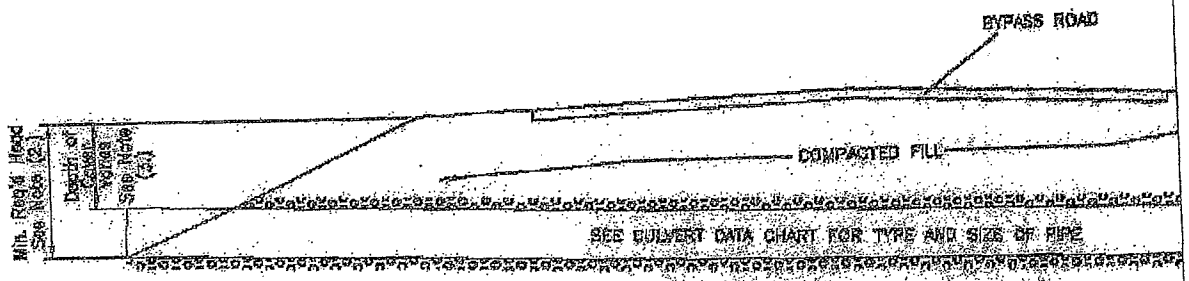
RB-KEN-BYPASS-118

SHEET D

DRAINAGE CONTROL



CULVERT PROFILE

SCALE: NOT TO SCALE

SHEET H

CULVERT DATA CHART

CULVERT	WATERSHED	CN	SCS 6 hr Q(10yr)	PROPOSED PIPES	MIN REQ'D DEPTH OF HEAD	MIN REQ'D DEPTH OF COVER
A	69.0Ac	75	49.3cfs	2-60 l.f.-24"ø CPP @ 0.5%	4.00ft	2.00ft
B	N/A	N/A	N/A	1-60 l.f.-24"ø CPP @ 0.5%	N/A	2.00ft

MANNING'S n FOR CORRUGATED PLASTIC PIPE W/SMOOTH INTERIOR=0.012

DESIGN STORM: SCS TYPE II
10 YEAR, 6 HOUR RAINFALL=2.6"

DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 10 of 12

SHEET G

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
DATE: 8/27/12

PREPARED BY:
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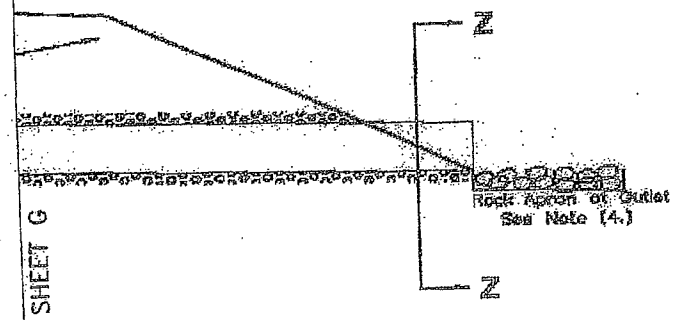
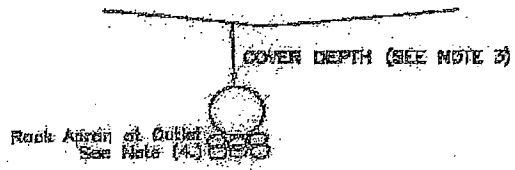
PLAN



SHEET G



CULVERT CROSS SECTION

SCALE: NOT TO SCALE

NOTES

(1.) Straw bale dikes and/or silt fence shall be installed as necessary to control erosion.

(2.) Minimum required head varies, see Culvert Data Chart for specifications.

(3.) Depth of cover varies, see Culvert Data Chart for specifications.

(4.) A rock apron energy dissipater shall be placed at the outlet of Culvert A. Dimensions: 20'L X 10'W X 1.5' – D50 = 9"

(5.) Additional culverts, if needed, will be installed within the disturbed wetland area as field conditions dictate.

DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 11 of 12

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
DATE: 8/27/12

PREPARED BY:
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153 NORTH BROADWAY
NEW PHILADELPHIA, OHIO 44663
PHONE (330) 343-3499

SHEET F

NOTES

-COORDINATES ARE ORIENTED TO THE STATE PLANE COORDINATE SYSTEM: OHIO NORTH ZONE (3401); HORIZONTAL DATUM: NAD83(86); VERTICAL DATUM: NAVD88.

LEGEND

- WETLAND DELINEATION LIMITS
- LIMITS OF CONSTRUCTION ACTIVITY
- CENTERLINE OF RAILROAD
- RW — RAILROAD RIGHT-OF-WAY
- FENCE
- E — OVERHEAD POWER LINES
- EDGE OF CREEK
- CULVERT (DIRECTION OF FLOW)
- POWER POLE
- GUY (ANCHOR) WIRE
- 19" WILLOW — TREE (DIAMETER AND TYPE)
- WETLANDS

CARROLL COUNTY LAND COMPANY LLC

SCALE: 1" = 100'	PROJECT: KENSINGTON BYPASS ROAD: MINIMAL DEGRADATION ALTERNATIVE
CTR INT: 1 FT	
DRAWN: KWA/JMP/MDW BGA	LOCATION: NORTH HALF OF SECTION 35, TOWNSHIP 16N, RANGE 6W, WEST TOWNSHIP, COLUMBIANA COUNTY, OHIO
CHECKED: JMP BGA	
DATE: 07.11.12	

BAIR, GOODIE AND ASSOCIATES, INC.
153 NORTH BROADWAY
NEW PHILADELPHIA, OHIO
PHONE: (330) 343-3499
FAX: (330)343-9605 EMAIL: mwollman@bairgoodie.com

0' 100' 200'
SCALE: 1" = 100'

DA Processing No. 2011-00217-TUS
Carroll County, Ohio
Quad: Kensington & Minerva
Sheet 12 of 12

SHEET I

CARROL COUNTY LAND CO.
KENSINGTON BYPASS ROAD
WEST TOWNSHIP
COLUMBIANA COUNTY, OHIO
SCALE: 1"=100'
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PREPARED BY:
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NEW PHILADELPHIA, OHIO 44663
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