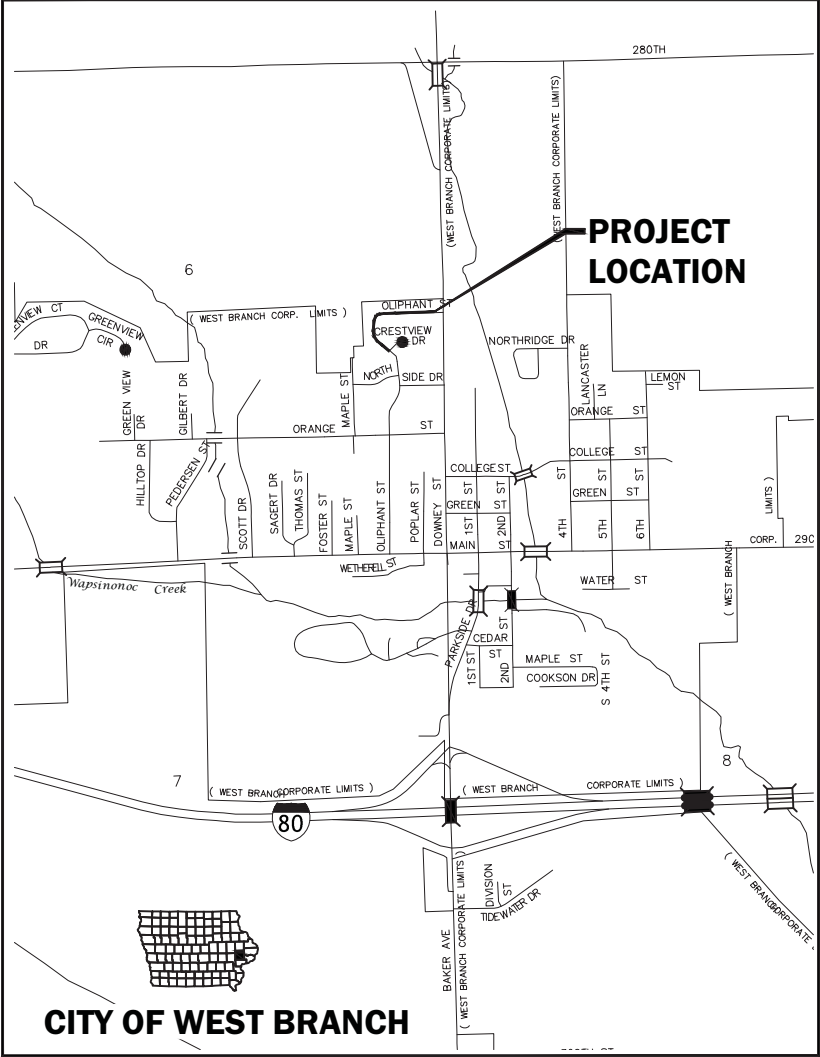


PLANS FOR OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 WEST BRANCH, IOWA



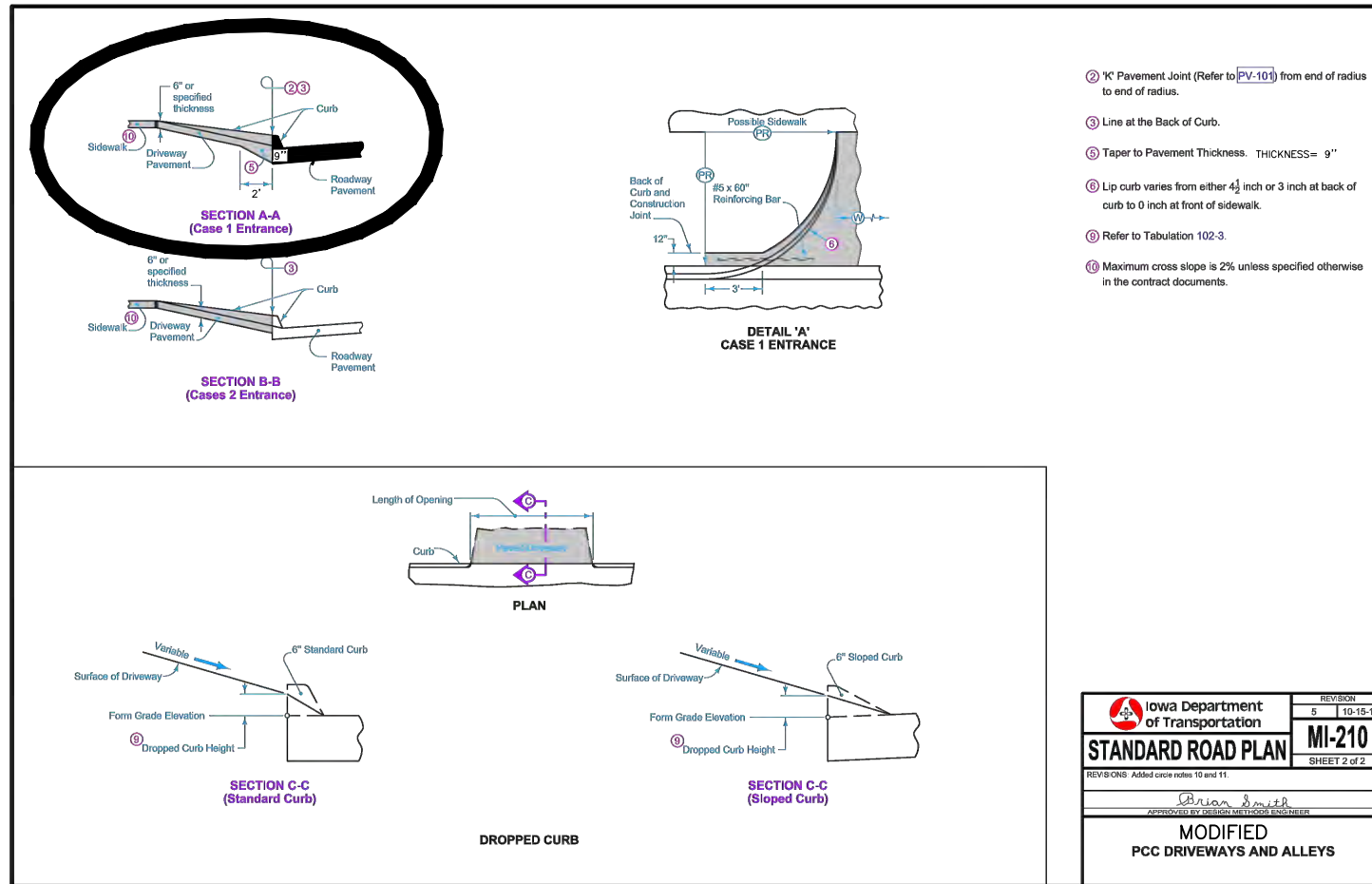
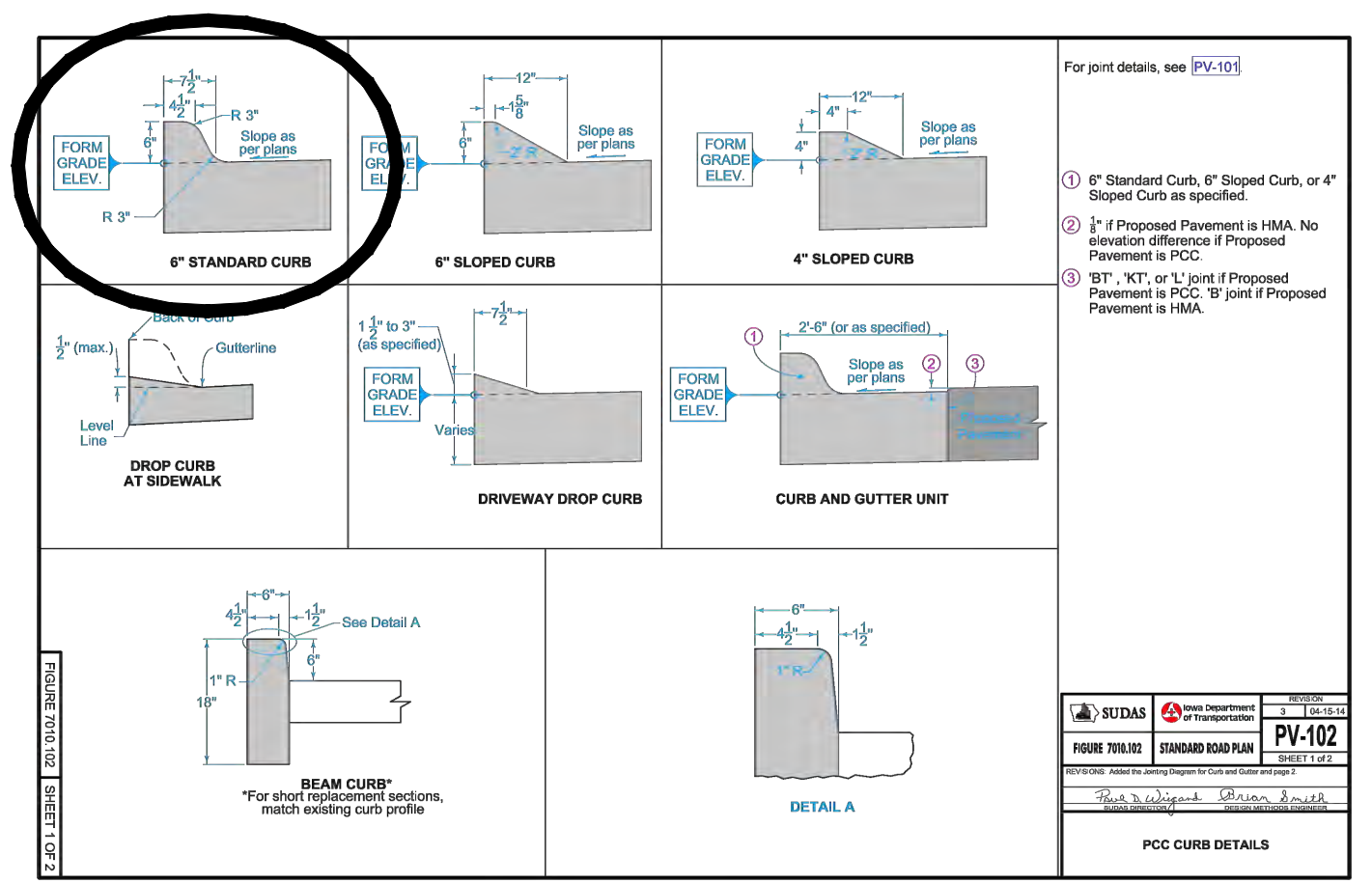
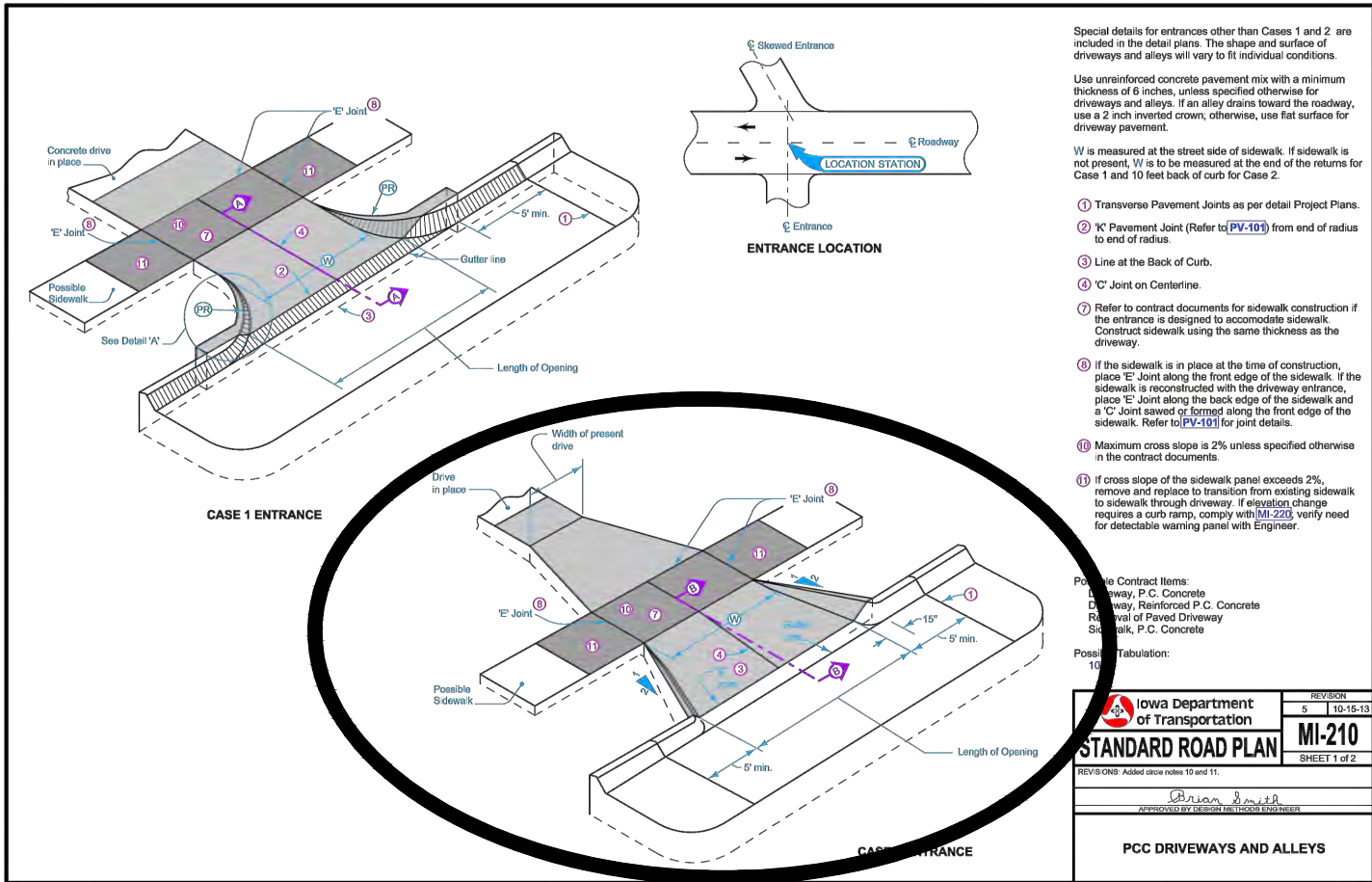
VICINITY MAP
SCALE 1" = 1000'

GENERAL LEGEND

	SURVEY LINE & STATION INDICATOR		CULVERT; SIZE AND TYPE
	CONCRETE SURFACE		FLARED END SECTION
	ASPHALT SURFACE		RAILROAD
	CONCRETE W/ASPHALT OVERLAY		MAILBOX
	LOW GRADE ASPHALT SURFACE		FENCE (MISC.)
	GRANULAR SURFACE		SECURITY FENCE
	DIRT SURFACE		WOOD FENCE
	BRICK SURFACE		SILT FENCE
	SURFACING REMOVAL/REPLACEMENT		CHAIN LINK FENCE
	EARTH SECTION		PROPERTY LINE
	NEW SEWER/MANHOLE		

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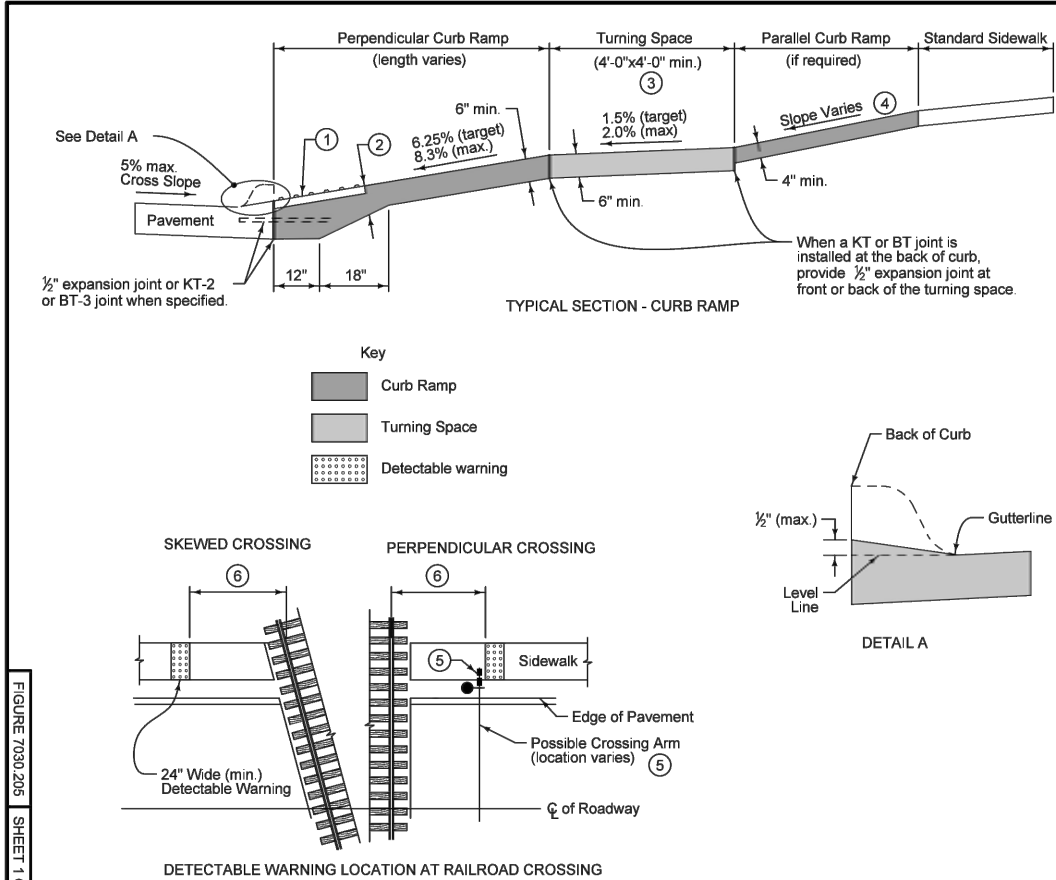


FIGURE 7030.205 SHEET 1 OF 1

- 1 Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.
- 2 Provide a minimum of 6 inches of concrete below the detectable warning panel.
- 3 Target slope of 1.5% with maximum slope perpendicular to the travel directions of 2.0%. Minimum 4 feet by 4 feet.
- 4 If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.
- 5 If crossing gate conflicts with location of detectable warning or if pedestrian crossing gate is provided, place detectable warning panel in advance of the crossing gate.
- 6 Locate front edge of detectable warning panel 12 to 15 feet from centerline of nearest rail. Orient truncated domes parallel to the direction of pedestrian travel.

	REVISION
	New 10-16-12
	7030.205
SHEET 1 of 1	
SUDAS Standard Specifications	
GENERAL SIDEWALK AND CURB RAMP DETAILS	

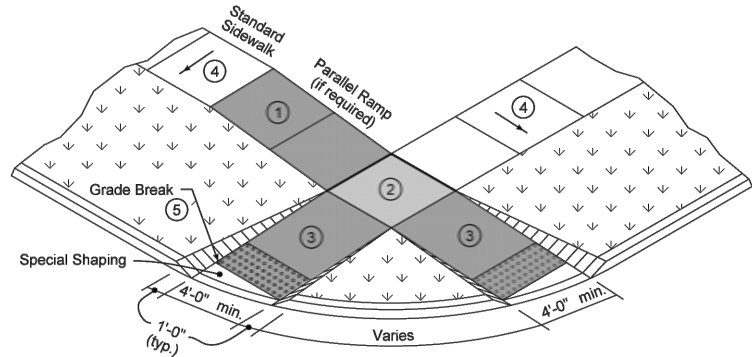
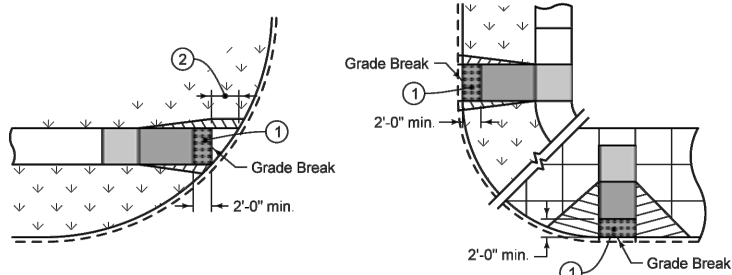


FIGURE 7030.207 SHEET 1 OF 1

- 1 Parallel Curb Ramp: If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.
- 2 Turning Space: Target slope of 1.5% with maximum slope perpendicular to the travel directions of 2.0%. Minimum 4 feet by 4 feet.
- 3 Perpendicular Curb Ramp: Target running slope of 6.25% with maximum running slope of 8.3%.
- 4 Target cross slope of 1.5% with a maximum cross slope of 2.0%.
- 5 Match pedestrian street crossing cross slope or flatter.

	REVISION
	New 10-16-12
	7030.207
SHEET 1 of 1	
SUDAS Standard Specifications	
CURB RAMP FOR CLASS B OR C SIDEWALK	



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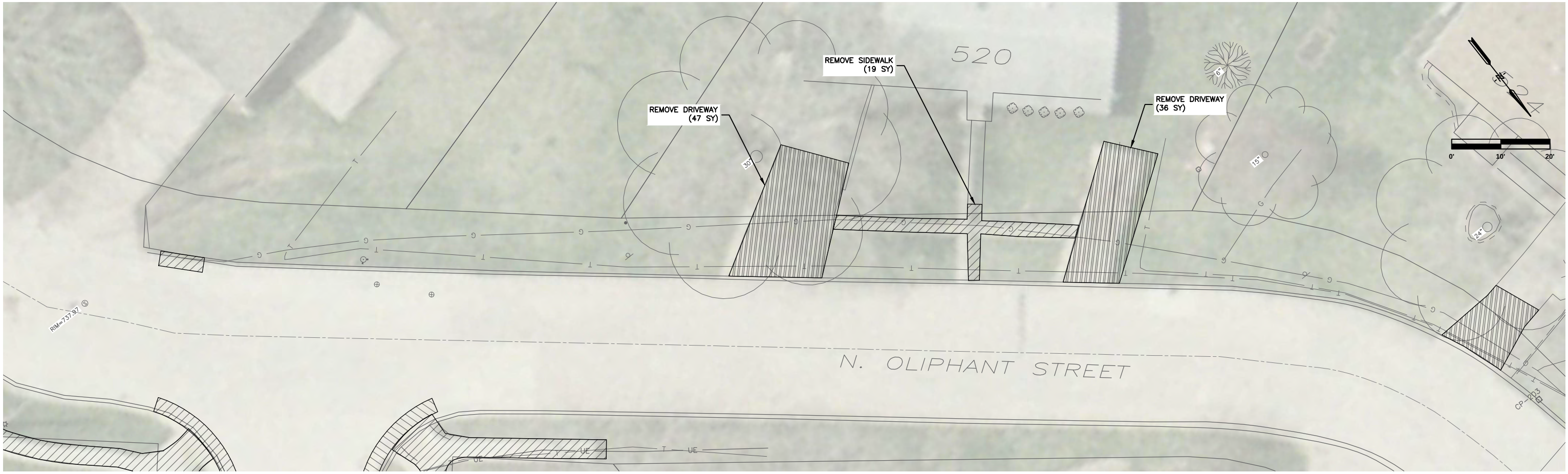
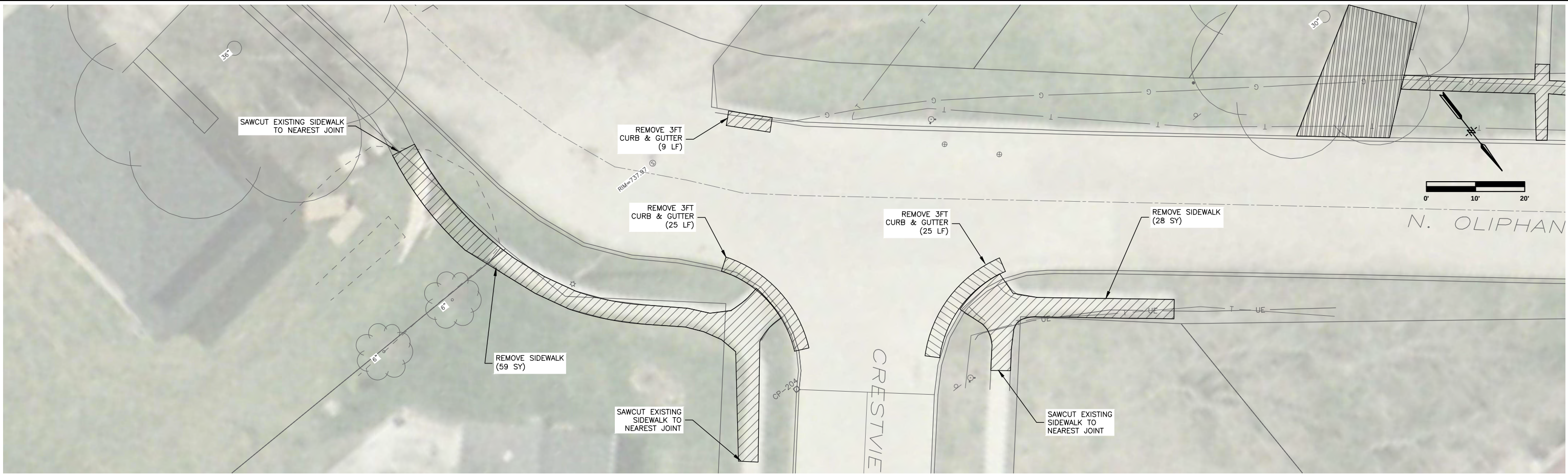
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ESTIMATE REFERENCE QUANTITIES					
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUAN.
1	2101-0850002	CLEAR+GRUBB	UNIT	53	
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW	CY	234	
3	2213-6745500	RMVL OF CURB	LF	59	
4	2511-6745900	RMVL OF SIDEWALK	SY	106	
5	2511-7526004	SIDEWALK, PCC, 4"	SY	569	
6	2511-7526006	SIDEWALK, PCC, 6"	SY	130	
7	2511-7528101	DETECTABLE WARNING	SF	50	
8	2512-1725306	CURB+GUTTER, PCC, 3.0'	LF	59	
9	2515-2475006	DRIVEWAY, PCC, 6"	SY	317	
10	2515-6745600	RMVL OF PAVED DRIVEWAY	SY	406	
11	2526-8285000	CONSTRUCTION SURVEY	LS	1	
12	2528-8445110	TRAFFIC CONTROL	LS	1	
13	2533-4980005	MOBILIZATION	LS	1	
14	2601-2639010	SOD	SQ	158	

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1	2101-0850002	CLEAR+GRUBB SEE DEMOLITION PLAN FOR REMOVALS.
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW INCLUDES ALL GRADING WORK INCLUDING TOPSOIL STRIP, SALVAGE, AND SPREAD AND DISPOSAL OF EXCESS MATERIAL. A MINIMUM OF 4 INCHES OF TOPSOIL MUST BE PLACED.
3	2213-6745500	RMVL OF CURB SEE DEMOLITION PLAN FOR REMOVALS. BID ITEM FOR A 3FT CURB & GUTTER.
4	2511-6745900	RMVL OF SIDEWALK SEE DEMOLITION PLAN FOR REMOVALS.
5	2511-7526004	SIDEWALK, PCC, 4" SEE D-SHEETS FOR PLAN & PROFILE AND C-SHEETS FOR DETAILS.
6	2511-7526006	SIDEWALK, PCC, 6" M-4 MIX FOR SIDEWALKS THROUGH DRIVEWAYS. ALL CURB RAMPS AND SIDEWALKS THROUGH DRIVEWAYS. SEE D-SHEETS FOR LOCATIONS.
7	2511-7528101	DETECTABLE WARNING SEE D-SHEETS FOR LOCATIONS AND C-SHEETS FOR DETAILS.
8	2512-1725306	CURB+GUTTER, PCC, 3.0' SEE D-SHEETS FOR LOCATIONS.
9	2515-2475006	DRIVEWAY, PCC, 6" M-4 MIX. SEE D-SHEETS FOR LOCATIONS.
10	2515-6745600	RMVL OF PAVED DRIVEWAY SEE DEMOLITION PLAN FOR REMOVALS.
11	2526-8285000	CONSTRUCTION SURVEY ELECTRONIC FILES AVAILABLE FOR ALIGNMENTS, PROFILES, AND SURFACES.
12	2528-8445110	TRAFFIC CONTROL LUMP SUM.
13	2533-4980005	MOBILIZATION LUMP SUM.
14	2601-2639010	SOD SEE SPECIFICATIONS FOR WATERING.

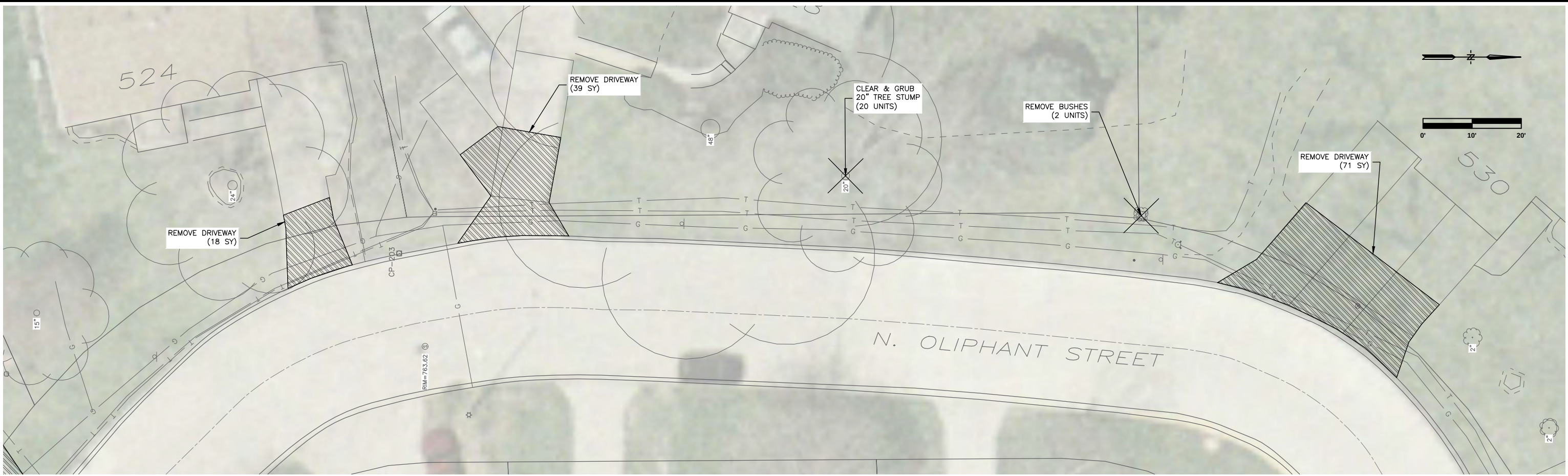
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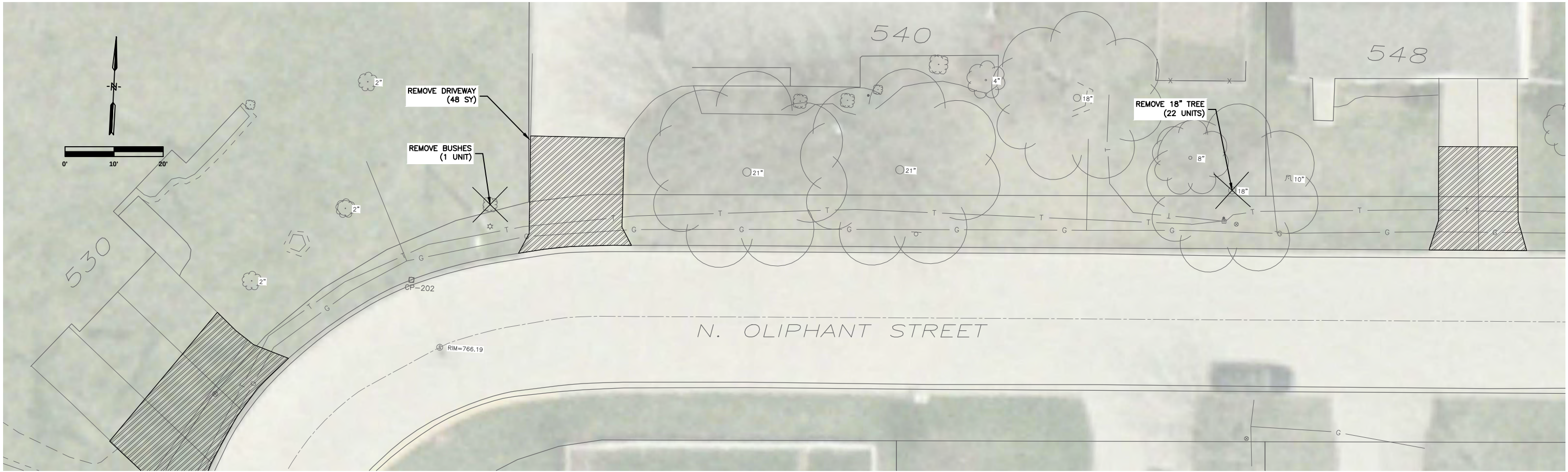


DATE	REVISIONS	SCALE	AS NOTED
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		CHECKED	DRS
		APPROVED	LJB
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

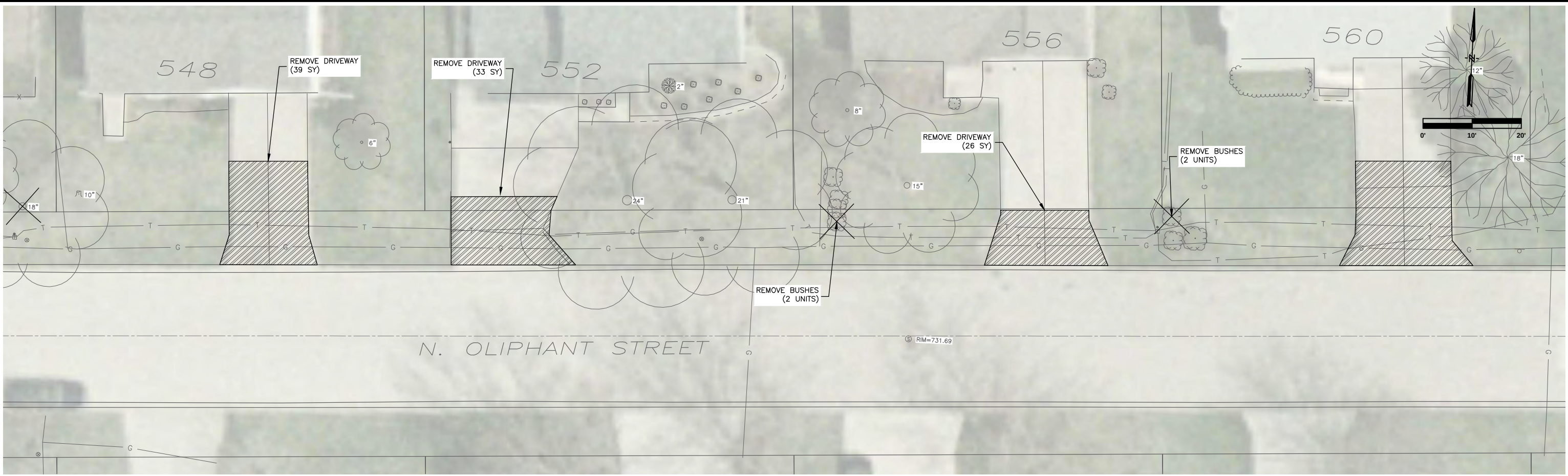
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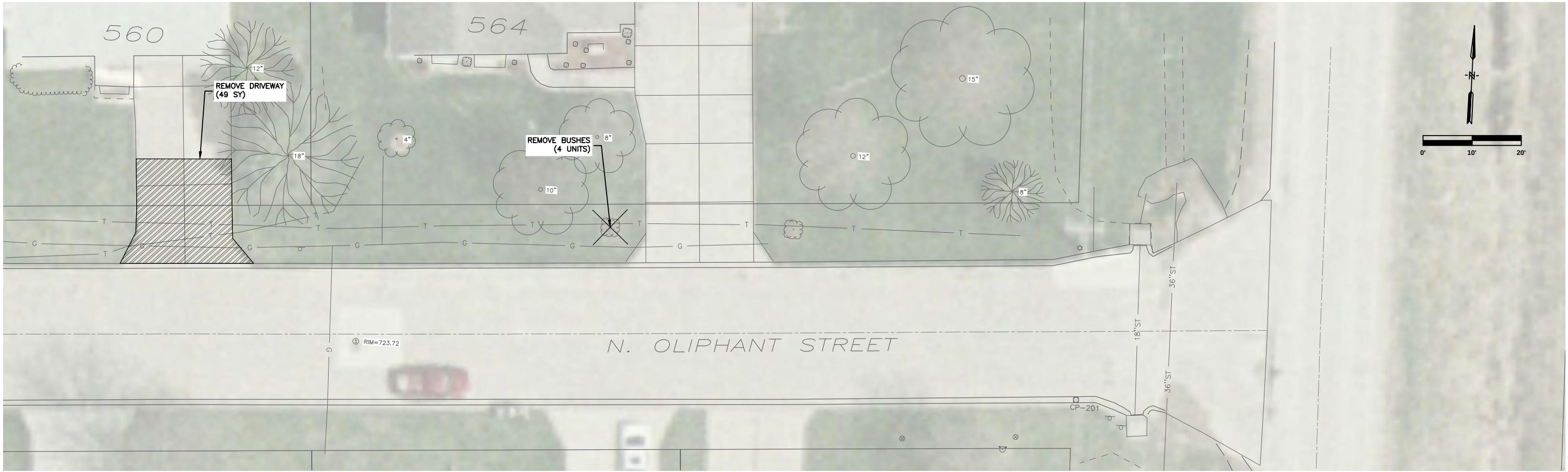
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DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	ALG
		CHECKED	DRS
		APPROVED	LJB
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

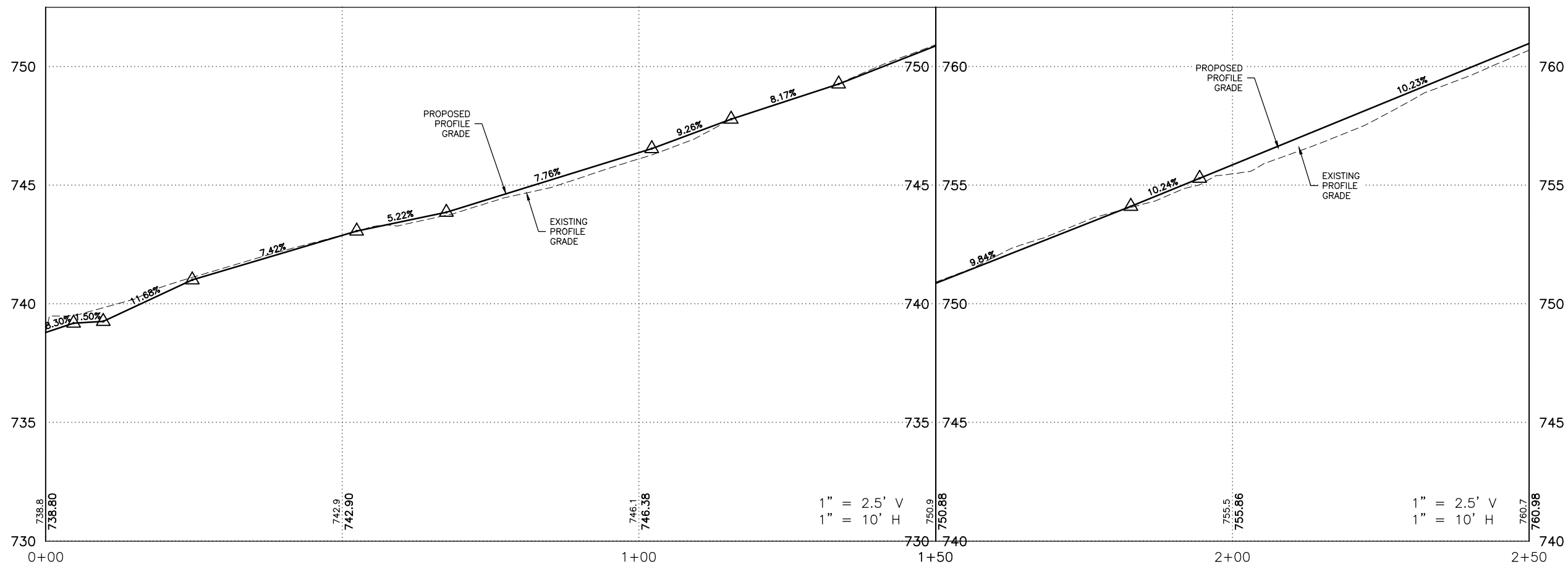
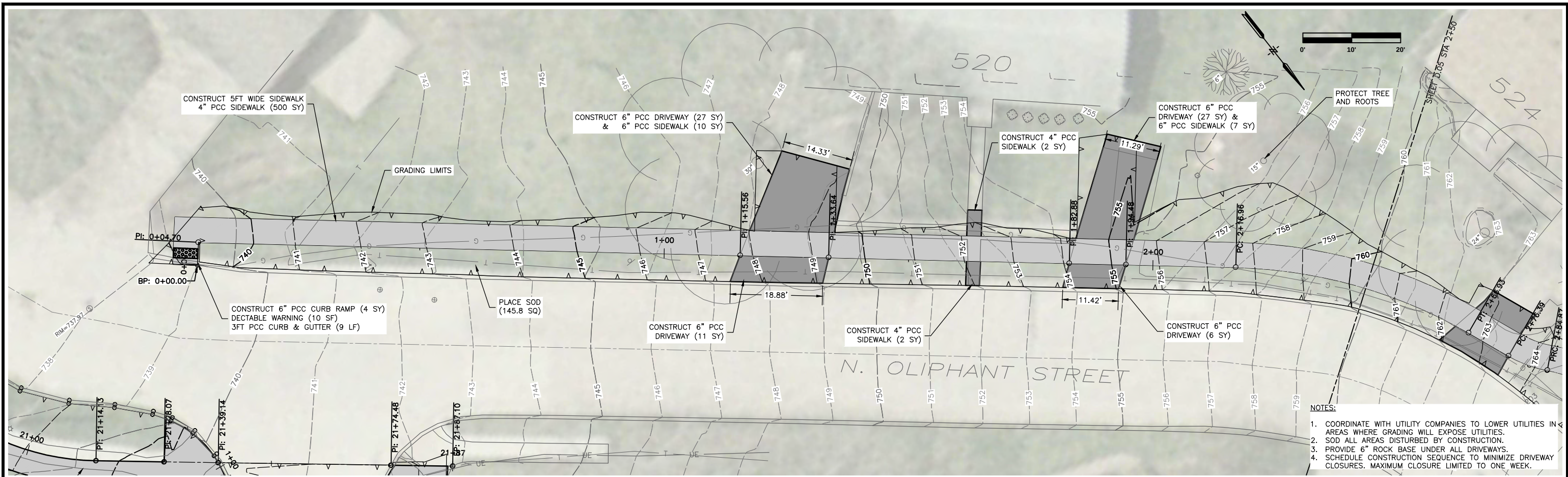


OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1563
319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)

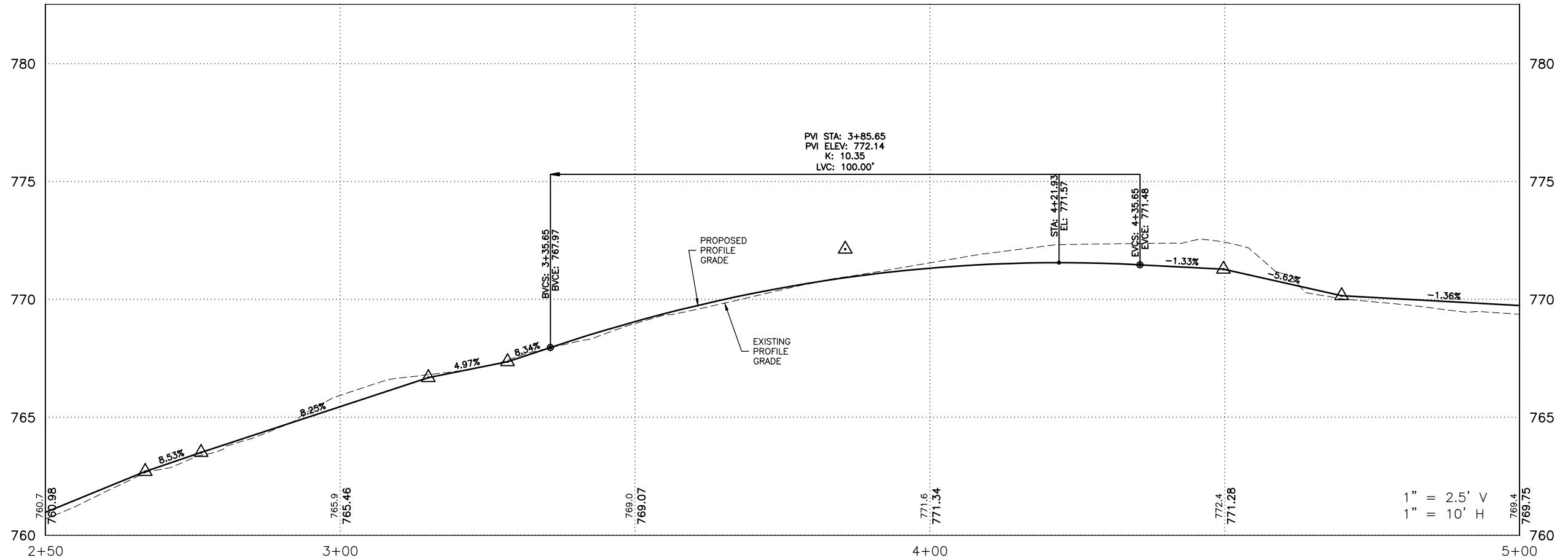
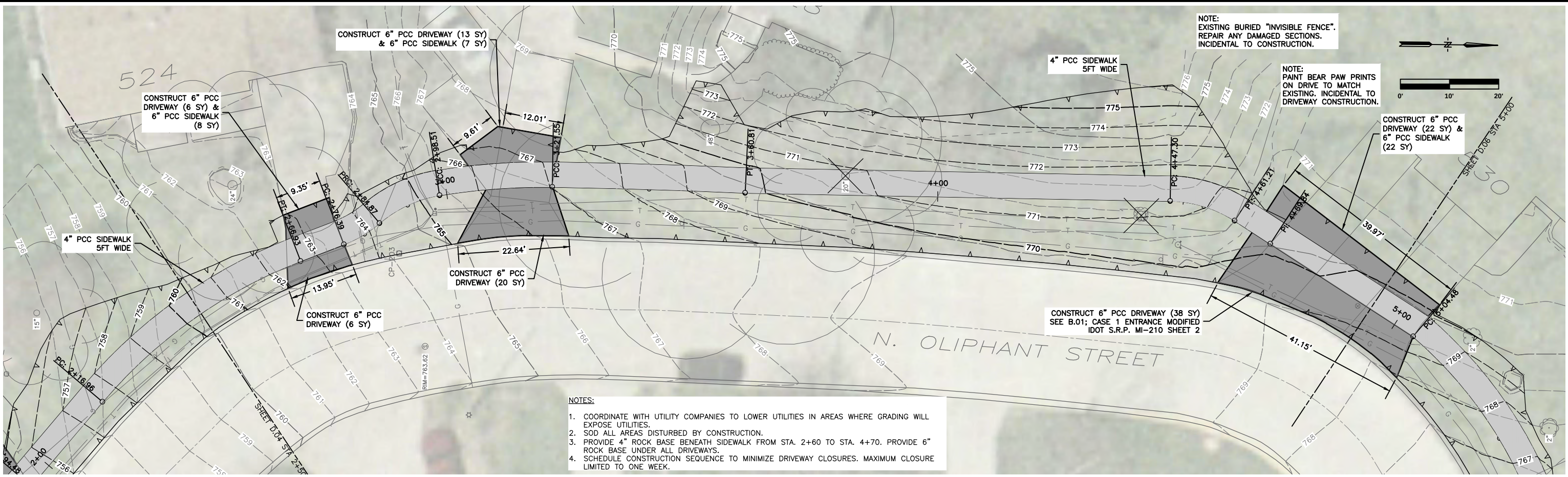
DEMOLITION PLAN

DWG. NO.
D.03
PROJECT
368128



DATE	REVISIONS	SCALE	AS NOTED		OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 CITY OF WEST BRANCH	PLAN AND PROFILE	DWG. NO.	
		DRAWN	ALG				 VEENSTRA & KIMM, INC. 860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1563 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)	D.04
		CHECKED	DRS					
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		ISSUED FOR	CONSTRUCTION				PROJECT 368128	

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DATE	REVISIONS	SCALE	AS NOTED
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		ISSUED FOR	CONSTRUCTION

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OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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319-466-1000 • 319-466-1008(FAX) • 888-241-8001(VAT3)

PLAN AND PROFILE

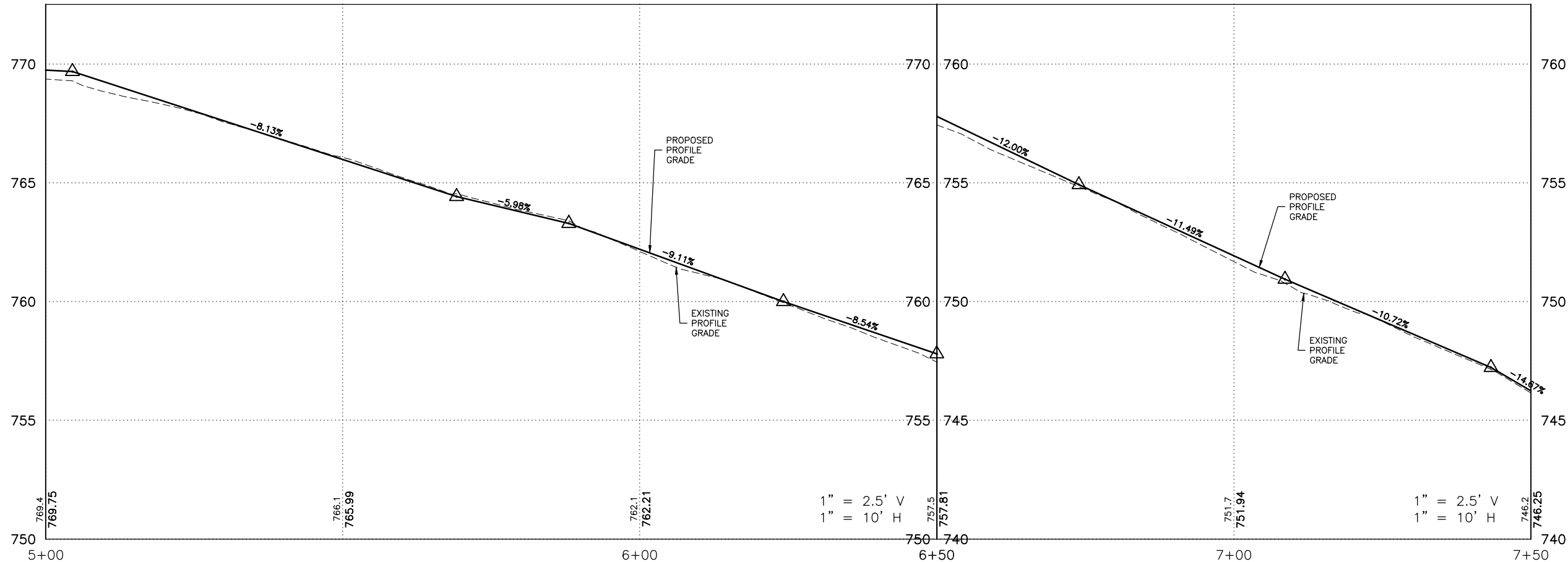
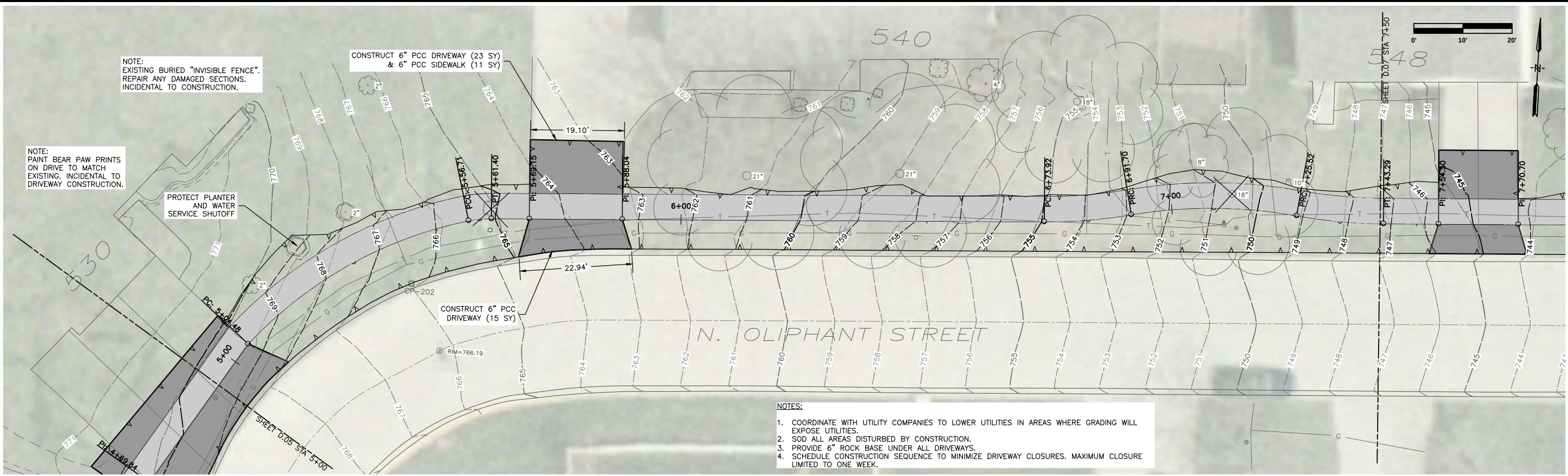
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PROJECT 368128

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		APPROVED	LJB
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

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OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
 CITY OF WEST BRANCH

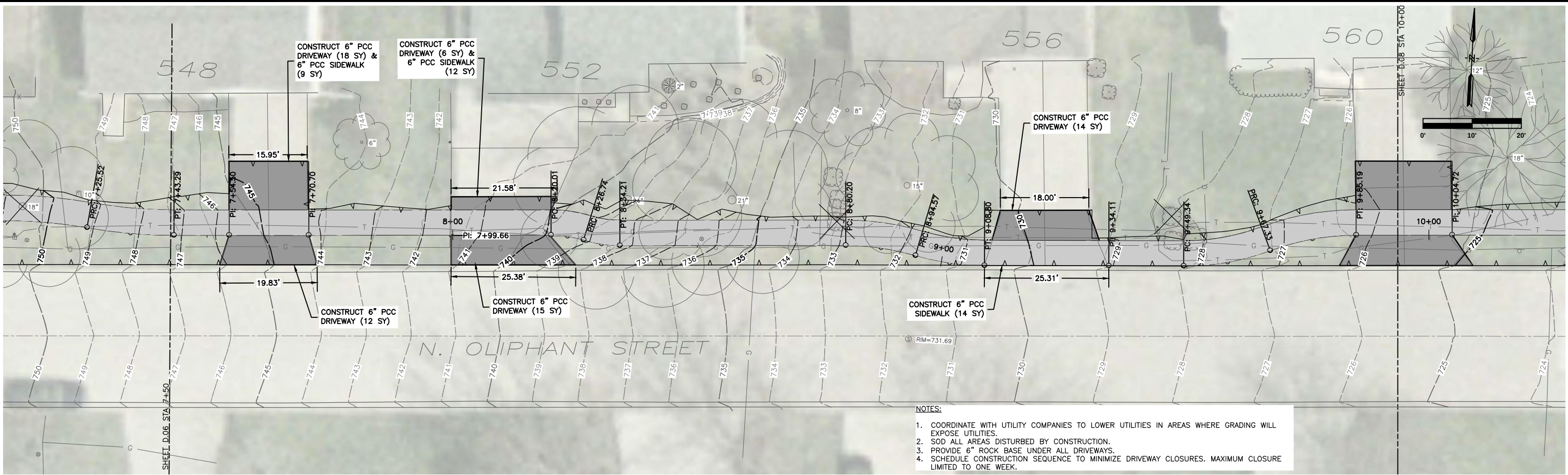
860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565
 319-466-1000 • 319-466-1008 (FAX) • 888-241-8001 (VAT3)

PLAN AND PROFILE

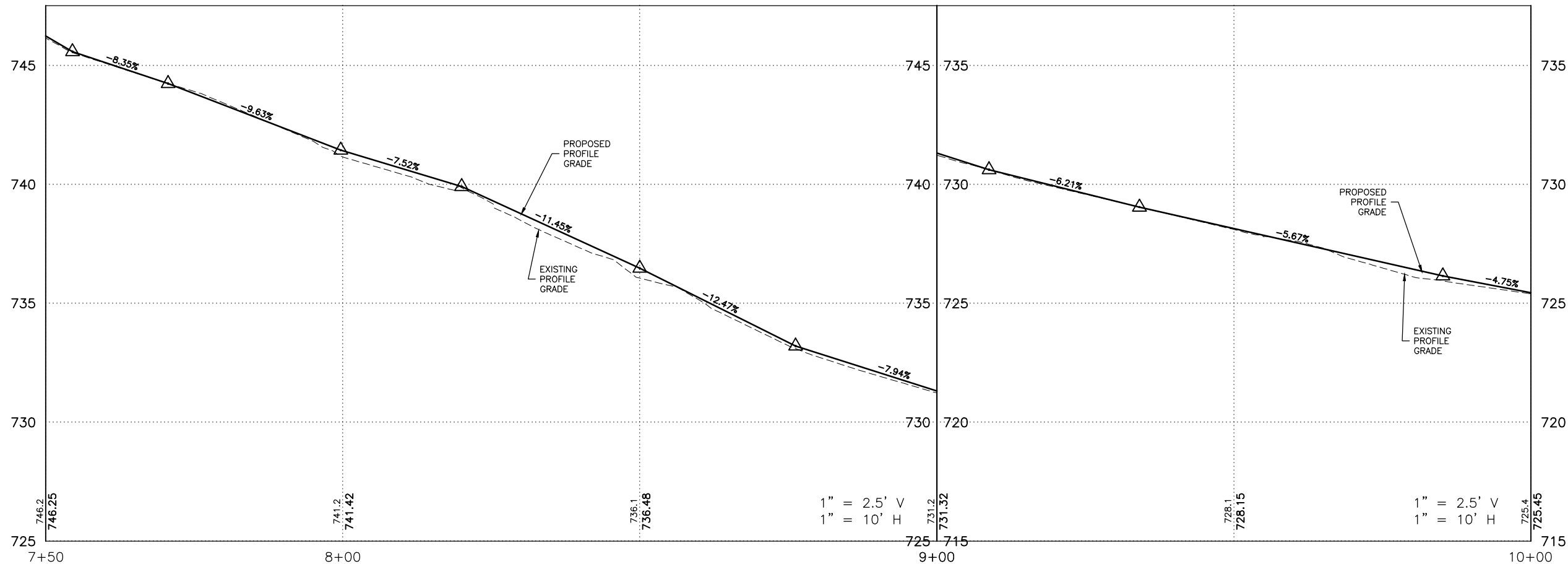
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D.06
PROJECT
368128

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- NOTES:
- COORDINATE WITH UTILITY COMPANIES TO LOWER UTILITIES IN AREAS WHERE GRADING WILL EXPOSE UTILITIES.
 - SOD ALL AREAS DISTURBED BY CONSTRUCTION.
 - PROVIDE 6" ROCK BASE UNDER ALL DRIVEWAYS.
 - SCHEDULE CONSTRUCTION SEQUENCE TO MINIMIZE DRIVEWAY CLOSURES. MAXIMUM CLOSURE LIMITED TO ONE WEEK.



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	ALG
		CHECKED	DRS
		APPROVED	LJB
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

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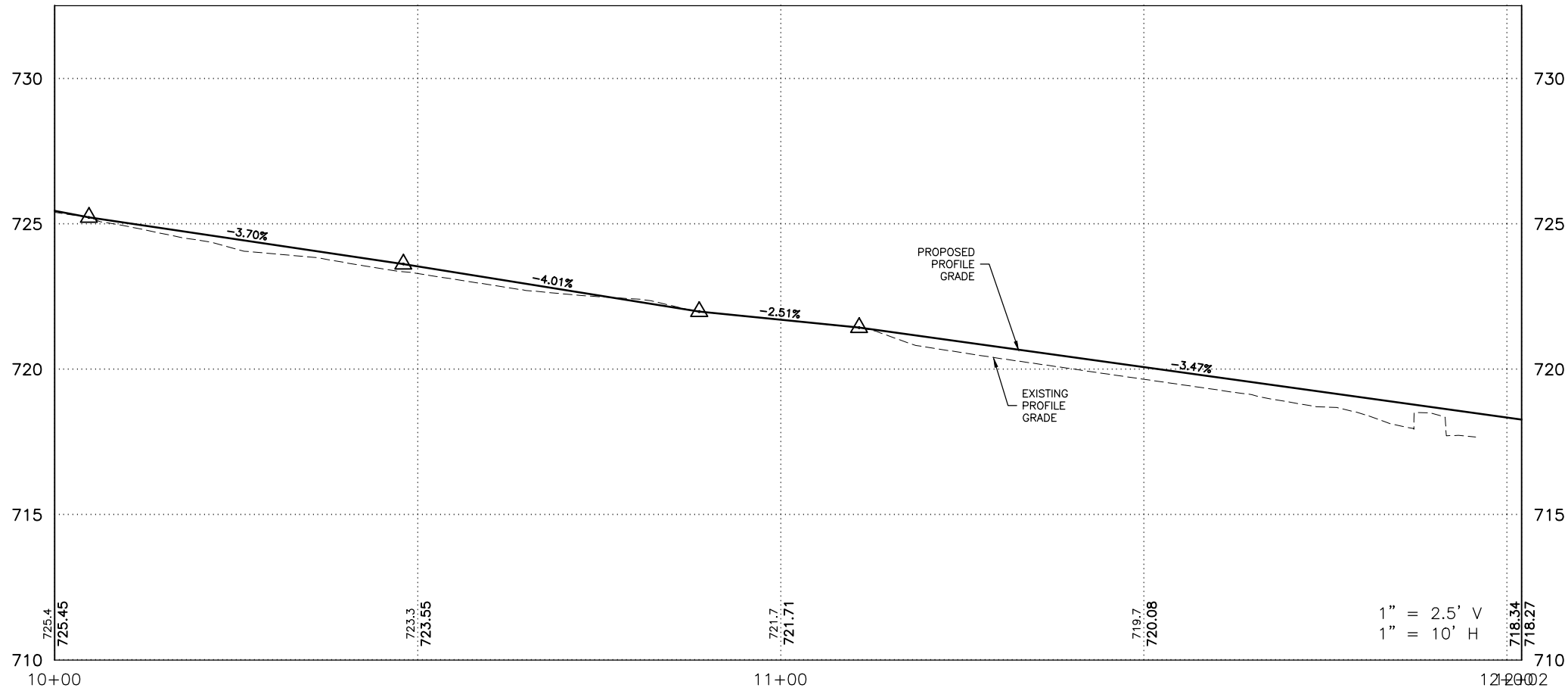
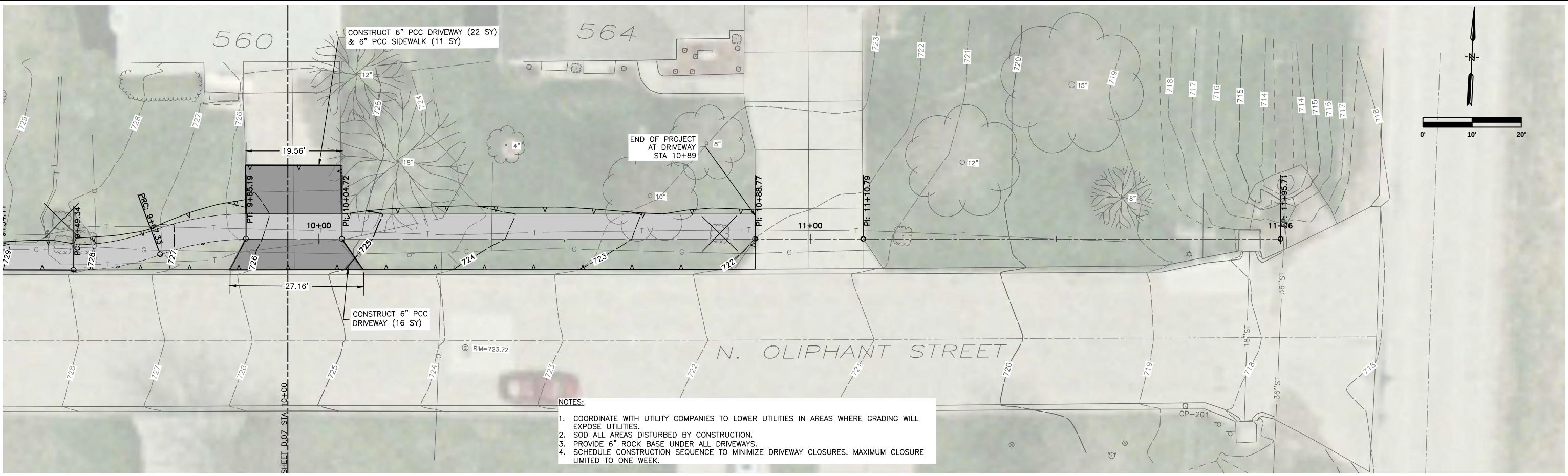
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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PLAN AND PROFILE

DWG. NO.
D.07
PROJECT
368128

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DATE	REVISIONS	SCALE	AS NOTED
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		APPROVED	LJB
		DATE	06-04-14
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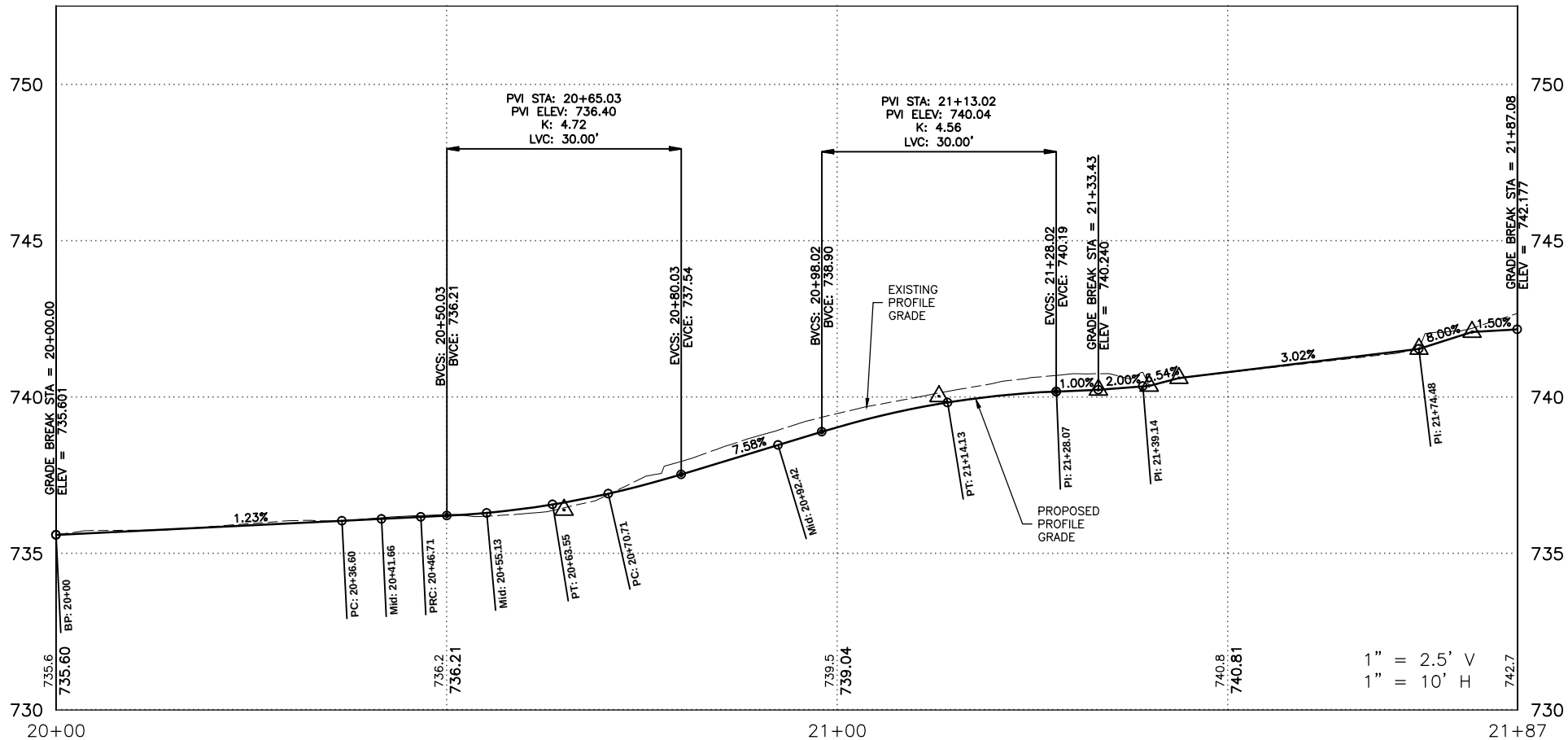
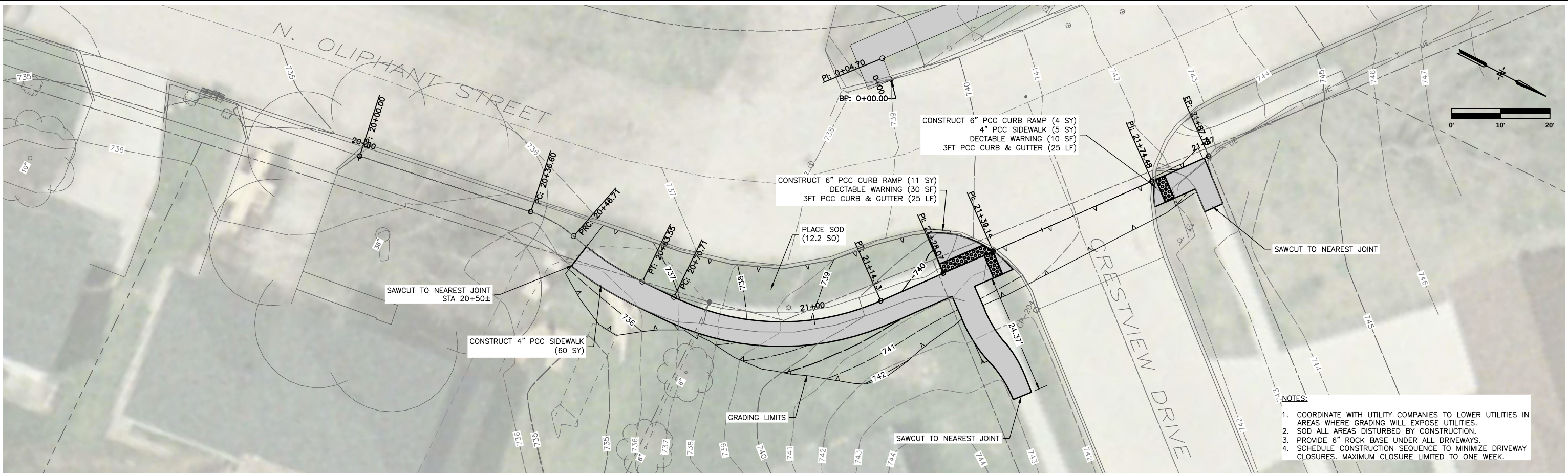
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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PLAN AND PROFILE

DWG. NO.
D.08
PROJECT
368128

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DATE	REVISIONS	SCALE	AS NOTED
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		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
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0 1"
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OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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319-466-1000 • 319-466-1008 (FAX) • 888-241-8001 (VA739)

PLAN AND PROFILE

DWG. NO.
D.09
PROJECT 368128

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WEST SIDE

Total Volume Table							
Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
0+00.00	1.80	0.79	0.00	0.00	0.00	0.00	0.00
0+10.00	6.25	0.00	1.90	0.30	1.90	0.30	1.60
0+25.00	2.27	0.03	2.37	0.01	4.27	0.31	3.96
0+50.00	1.31	0.48	1.66	0.24	5.93	0.55	5.38
0+75.00	0.77	0.53	0.96	0.47	6.89	1.02	5.87
1+00.00	0.05	1.82	0.38	1.09	7.27	2.11	5.16
1+25.00	8.33	0.09	3.88	0.88	11.15	2.99	8.16
1+32.00	8.49	0.00	2.18	0.01	13.33	3.00	10.33
1+50.00	2.46	0.01	3.65	0.00	16.98	3.00	13.98
1+75.00	3.38	0.00	2.70	0.00	19.69	3.01	16.68
1+85.00	6.71	0.83	1.87	0.15	21.56	3.16	18.39
2+00.00	0.07	4.48	1.88	1.47	23.44	4.64	18.80
2+25.00	0.00	11.31	0.03	7.45	23.47	12.09	11.38
2+50.00	0.04	1.29	0.02	6.18	23.49	18.27	5.22
2+75.00	5.64	0.50	2.61	0.84	26.10	19.11	6.99
3+00.00	9.26	0.00	6.91	0.24	33.02	19.36	13.66
3+08.04	16.61	0.00	3.84	0.00	36.85	19.36	17.50
3+20.00	14.41	0.00	6.79	0.00	43.64	19.36	24.29
3+25.00	2.95	0.19	1.61	0.02	45.25	19.37	25.88
3+50.00	7.52	0.83	4.87	0.47	50.12	19.84	30.28
3+75.00	8.12	0.74	7.20	0.73	57.33	20.57	36.76
4+00.00	16.05	0.00	11.19	0.34	68.52	20.91	47.61
4+25.00	31.30	0.00	21.92	0.00	90.44	20.91	69.53
4+50.00	33.87	0.16	30.93	0.07	121.37	20.98	100.39
4+75.00	10.98	0.00	21.98	0.06	143.35	21.04	122.31
5+00.00	8.68	0.00	9.10	0.00	152.45	21.04	131.41
5+25.00	7.59	0.24	7.73	0.11	160.18	21.15	139.04
5+50.00	2.26	0.07	4.83	0.14	165.02	21.29	143.73
5+75.00	9.44	0.62	5.34	0.35	170.36	21.64	148.72
5+85.00	9.07	0.33	3.43	0.18	173.79	21.82	151.97
6+00.00	0.81	0.35	2.75	0.19	176.53	22.01	154.53
6+25.00	1.75	0.12	1.19	0.22	177.72	22.22	155.50
6+50.00	0.77	1.12	1.17	0.57	178.89	22.79	156.10
6+75.00	1.68	0.10	1.13	0.56	180.02	23.36	156.67
7+00.00	0.15	1.28	0.84	0.64	180.86	23.99	156.87
7+25.00	1.40	0.09	0.73	0.64	181.60	24.63	156.97
7+50.00	0.48	1.11	0.86	0.54	182.45	25.17	157.28
7+55.00	7.70	1.33	0.76	0.23	183.21	25.40	157.81
7+62.51	7.74	1.49	2.15	0.39	185.36	25.79	159.57
7+70.00	9.18	0.00	2.35	0.21	187.70	26.00	161.71
7+75.00	2.36	0.02	1.07	0.00	188.77	26.00	162.77
8+00.00	6.66	0.27	4.18	0.13	192.95	26.13	166.82
8+10.00	7.31	0.06	2.59	0.06	195.53	26.19	169.34
8+18.00	7.78	0.00	2.23	0.01	197.77	26.20	171.57
8+25.00	2.57	0.09	1.33	0.01	199.10	26.21	172.89
8+50.00	0.86	0.75	1.56	0.39	200.65	26.60	174.05
8+75.00	1.13	0.25	0.92	0.46	201.58	27.07	174.51
9+00.00	0.99	0.09	1.00	0.16	202.58	27.23	175.35
9+12.00	2.17	0.27	0.68	0.07	203.25	27.30	175.95
9+21.18	2.60	0.00	0.81	0.05	204.06	27.35	176.72

EAST SIDE

Total Volume Table							
Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
20+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+41.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+46.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+55.13	1.14	1.74	0.11	0.18	0.11	0.18	-0.07
20+63.55	0.84	3.15	0.30	0.83	0.40	1.01	-0.61
20+70.71	0.32	0.08	0.15	0.43	0.56	1.44	-0.88
20+75.00	2.42	0.00	0.22	0.01	0.78	1.45	-0.66
20+92.42	10.42	0.00	4.17	0.00	4.95	1.45	3.51
21+00.00	11.38	0.00	3.15	0.00	8.10	1.45	6.65
21+14.13	11.80	0.00	6.44	0.00	14.54	1.45	13.09
21+25.00	9.34	0.00	4.26	0.00	18.80	1.45	17.35
21+30.80	16.40	0.00	2.76	0.00	21.56	1.45	20.12
21+38.30	6.39	0.00	3.16	0.00	24.72	1.45	23.28
21+57.19	0.49	0.72	2.40	0.25	27.13	1.70	25.43
21+76.11	3.63	0.00	1.44	0.25	28.57	1.95	26.62
21+84.06	4.62	0.00	1.21	0.00	29.79	1.95	27.84
21+87.10	0.00	0.00	0.26	0.00	30.05	1.95	28.10

EARTHWORK

TOTAL CUT 234 CY

TOTAL FILL 29 CY

DATE

REVISIONS

SCALE

AS NOTED

VERIFY SCALE

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VEENSTRA & KIMM, INC.

OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2

CITY OF WEST BRANCH

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319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)

EARTHWORK

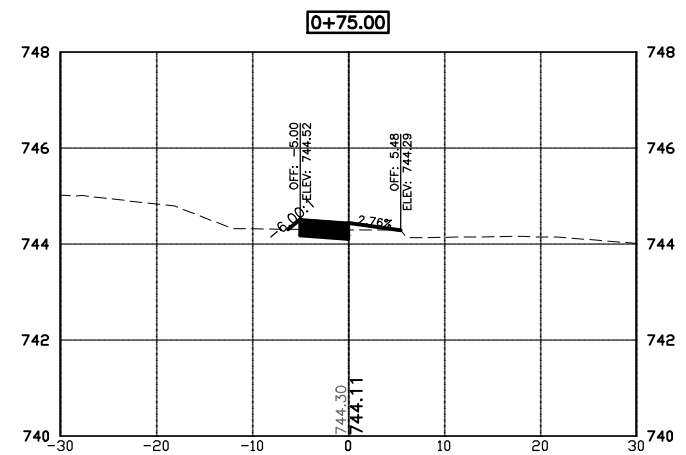
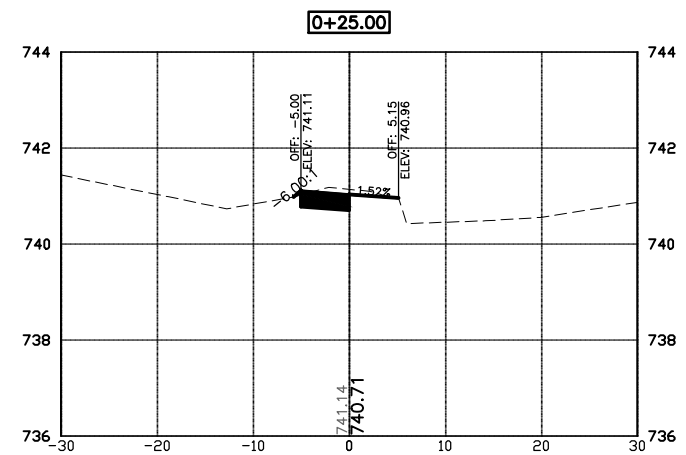
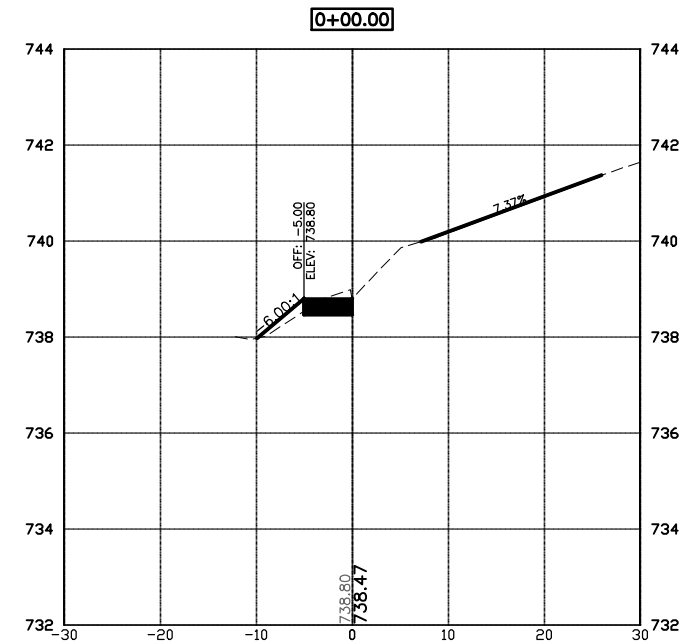
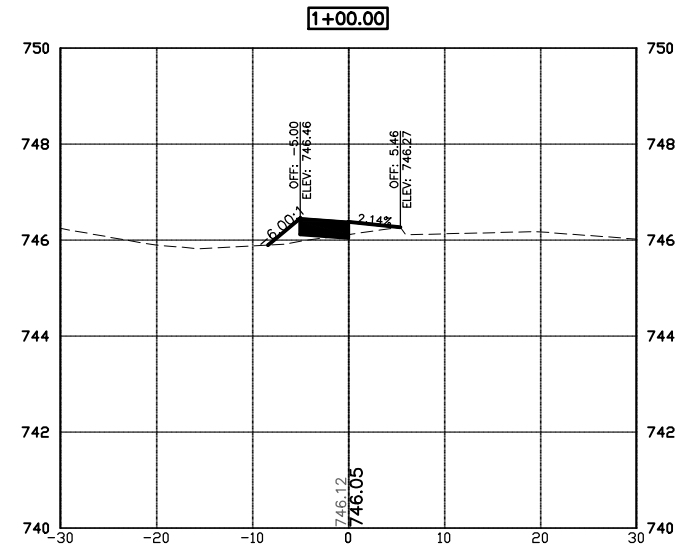
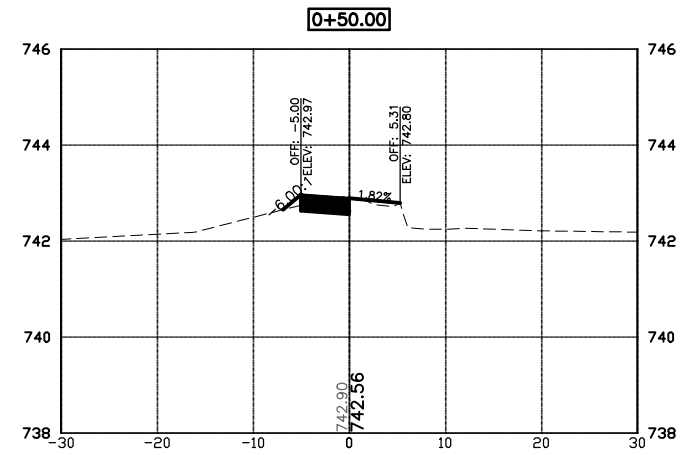
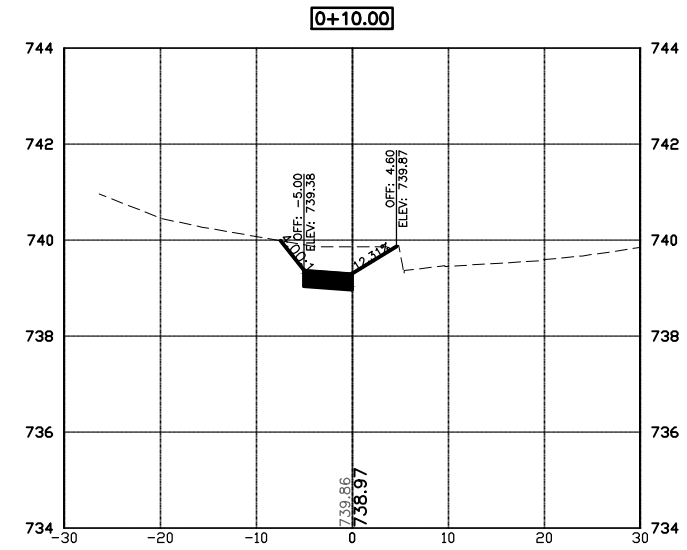
DWG. NO.

T.01

PROJECT368128

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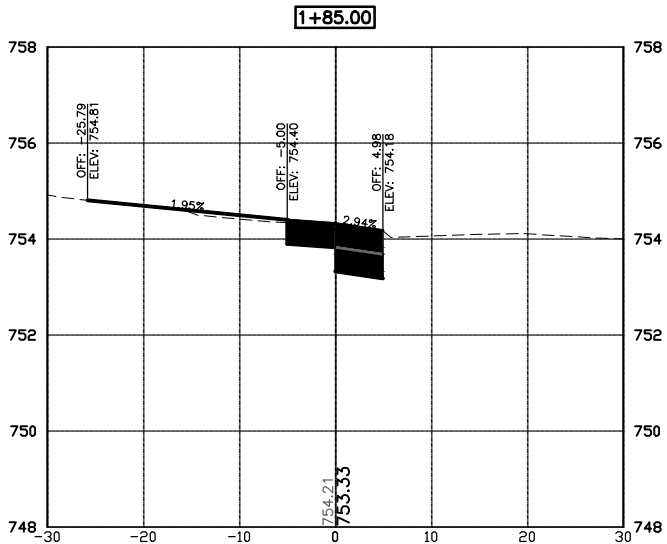
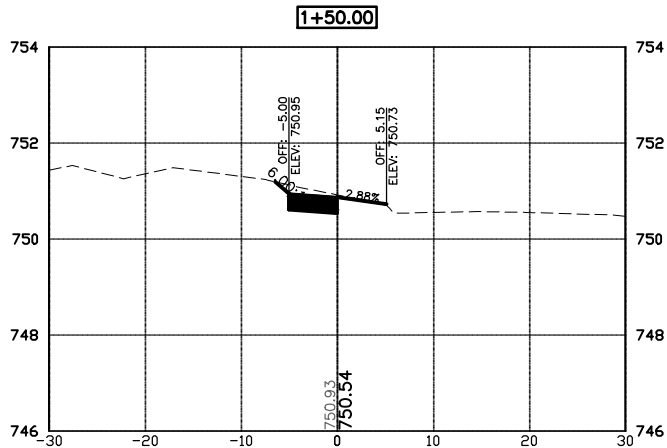
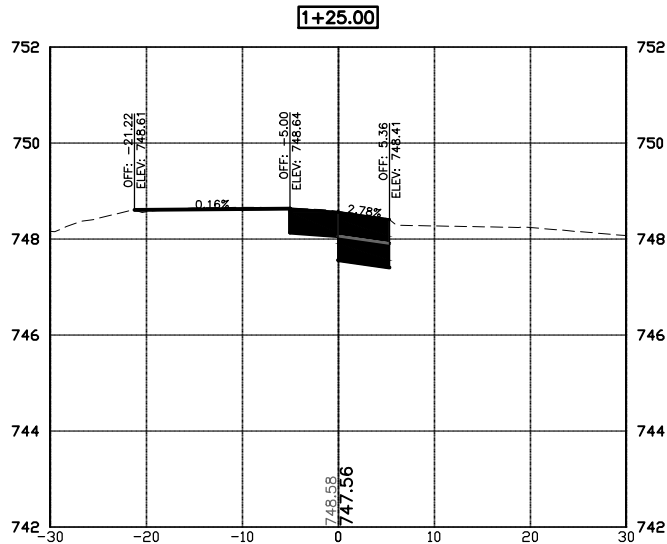
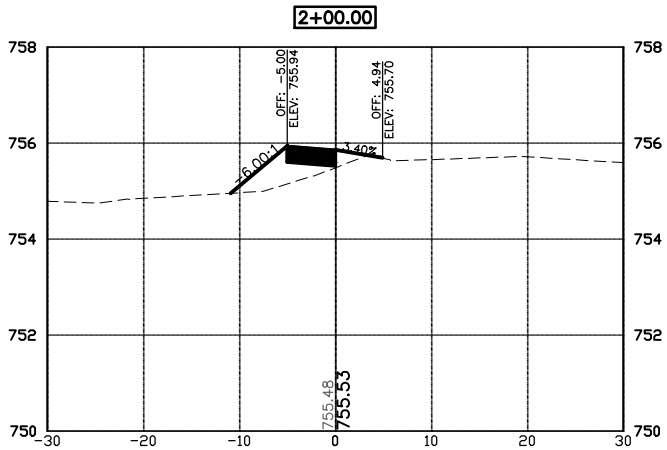
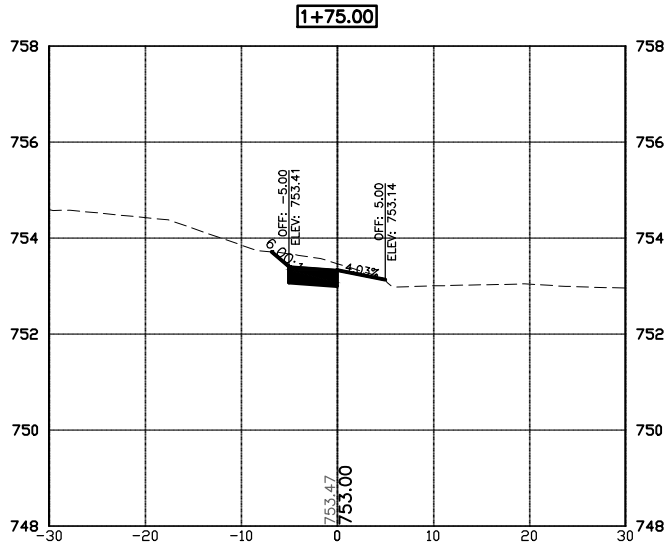
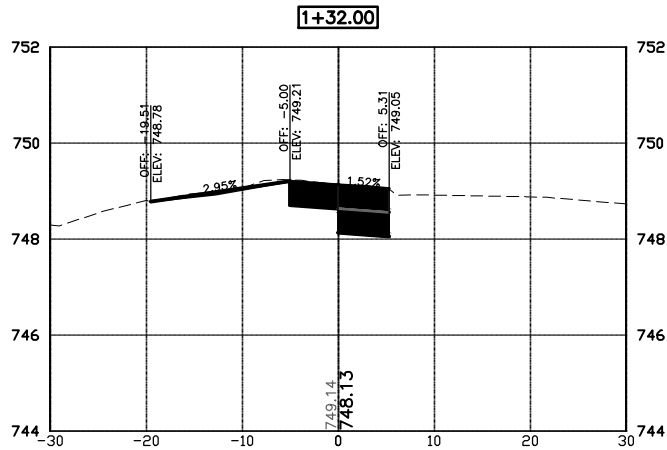
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DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE	OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 CITY OF WEST BRANCH		CROSS SECTIONS		DWG. NO.
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		CHECKED	LJB	0 1"	860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)				PROJECT
		APPROVED	DRS	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.					368128
		DATE	06-04-14						
		ISSUED FOR	CONSTRUCTION						



X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\1. DESIGN DRAWINGS\368128 DESIGN
PLOTTED: Friday, June 06, 2014 3:28:41 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
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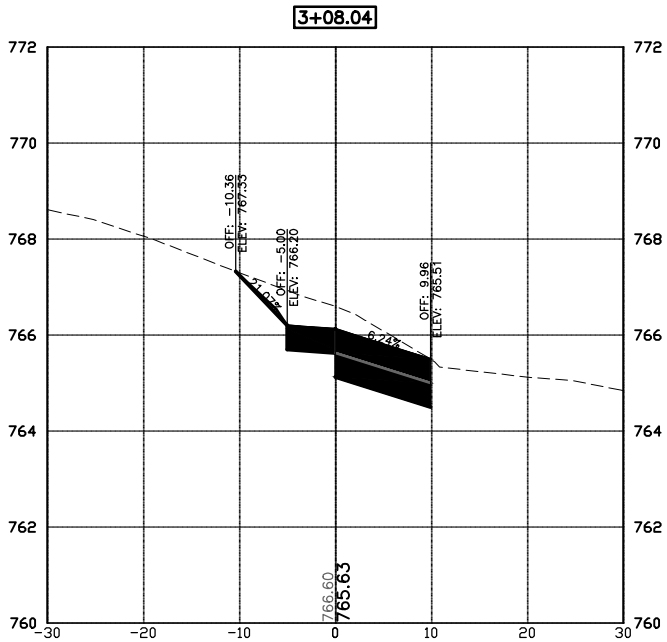
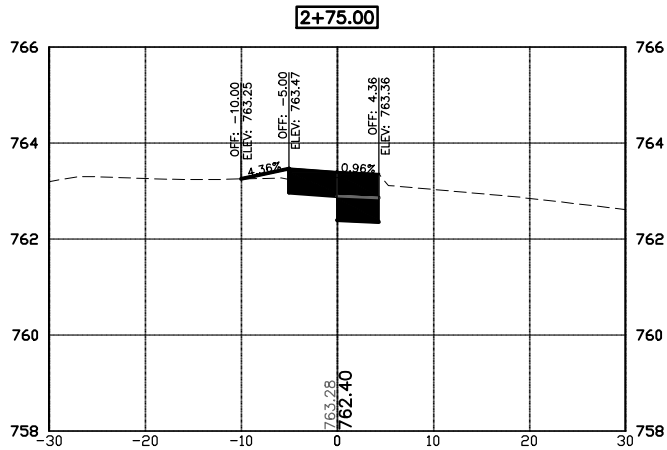
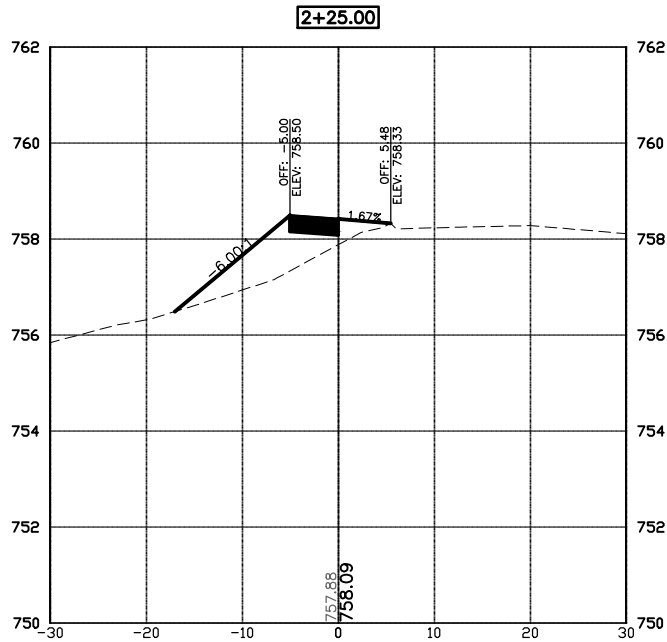
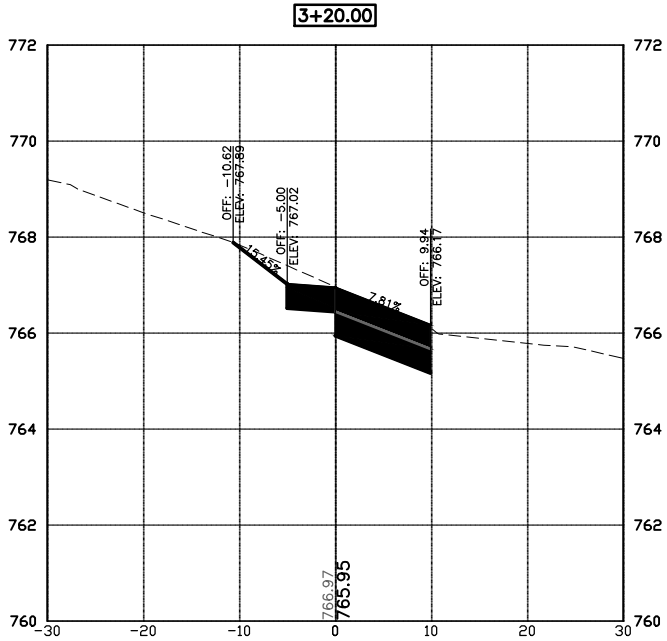
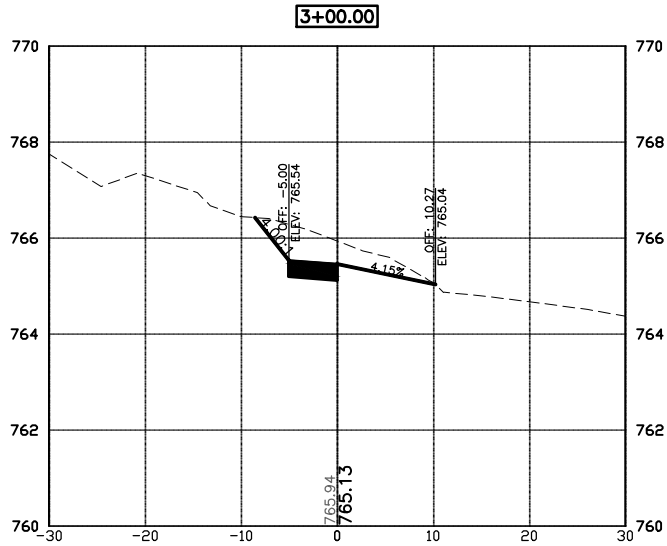
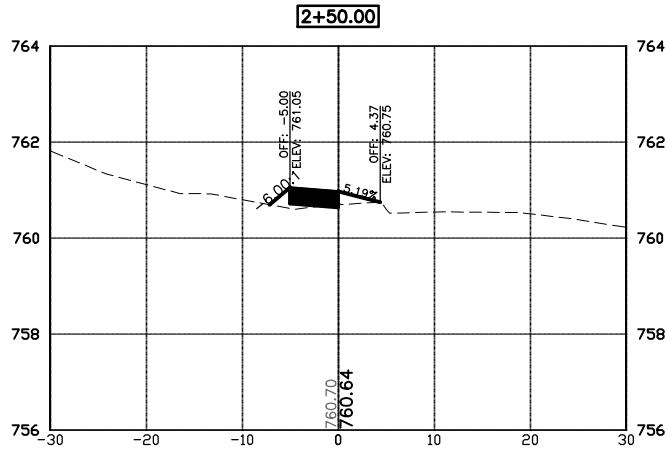
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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DWG. NO.
X.02
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
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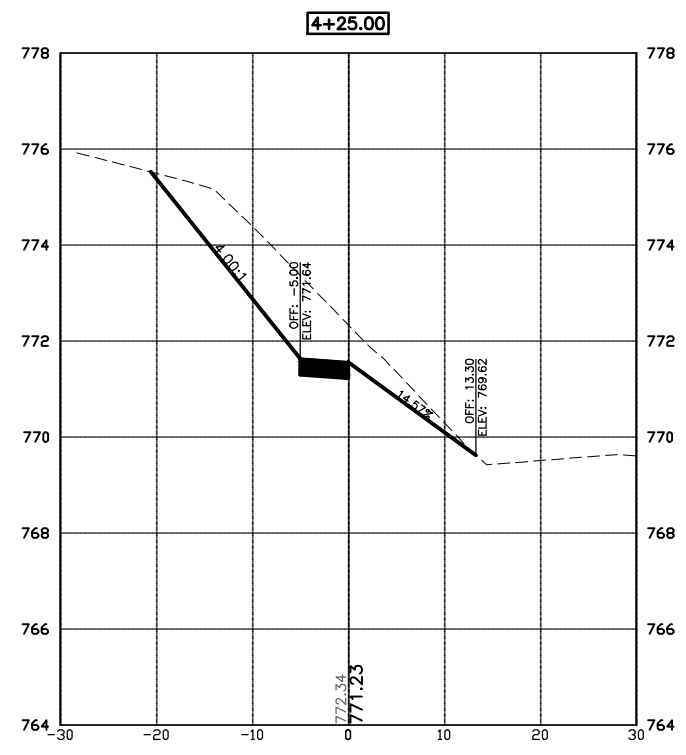
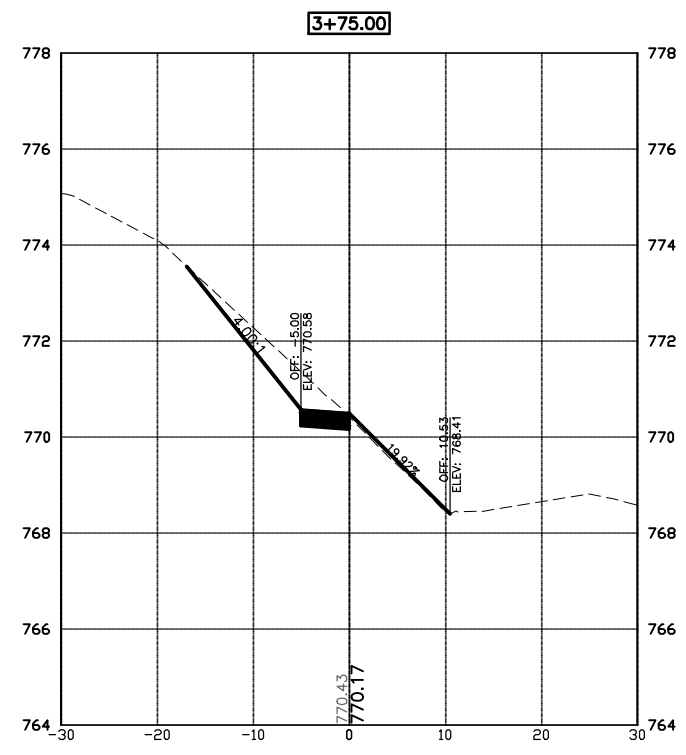
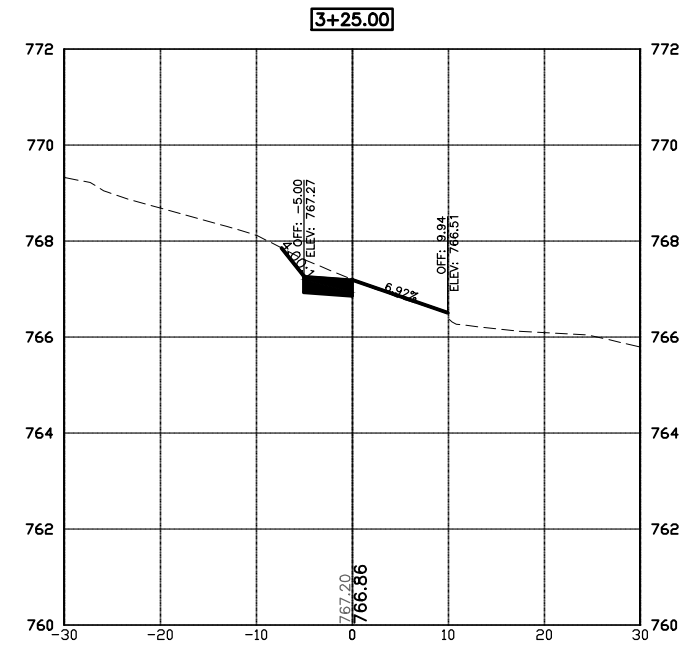
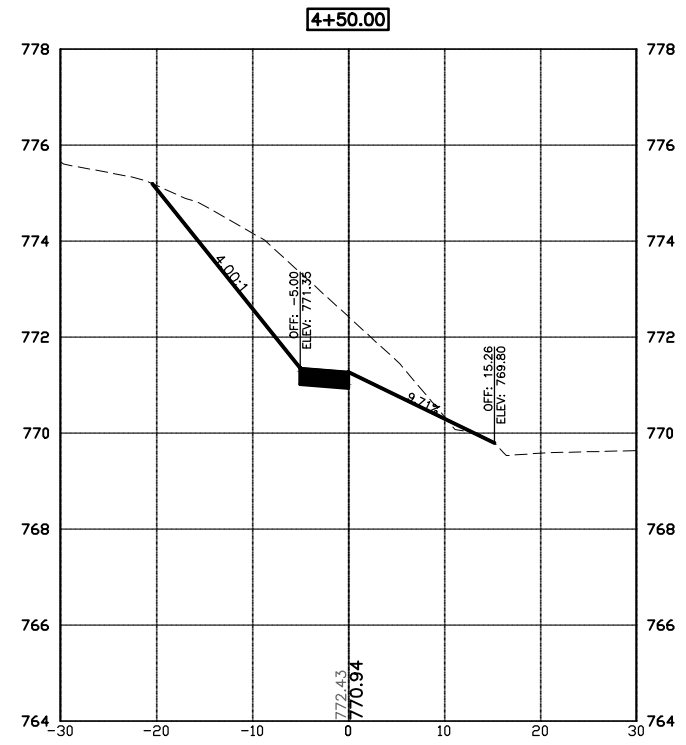
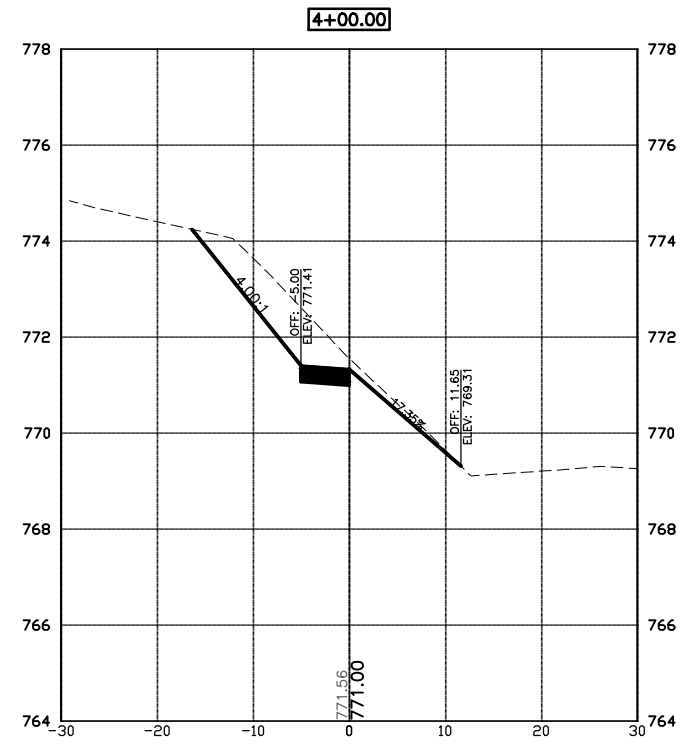
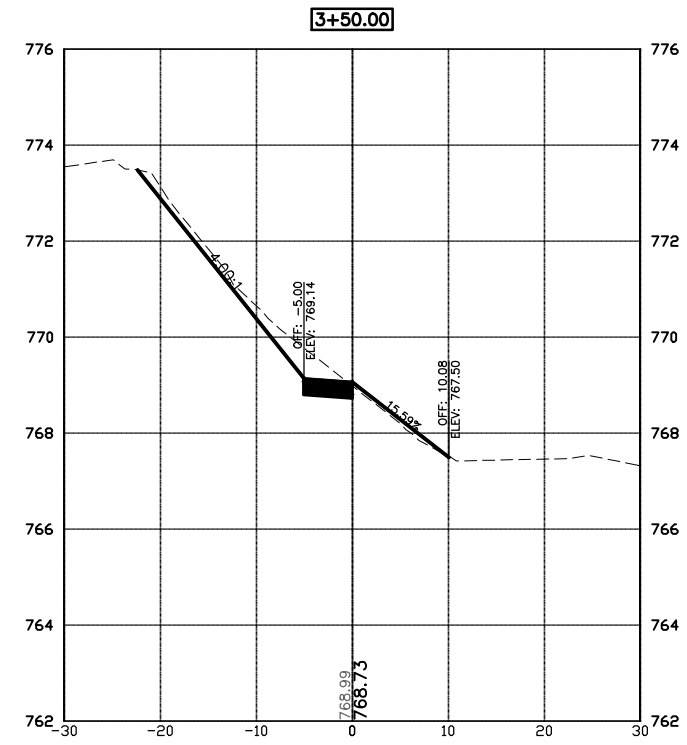
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DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE	OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 CITY OF WEST BRANCH		CROSS SECTIONS		DWG. NO.
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		CHECKED	LJB	0 1"	VEENSTRA & KIMM, INC. 860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)				PROJECT 368128
		APPROVED	DRS	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.					
		DATE	06-04-14						
		ISSUED FOR	CONSTRUCTION						

X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\ DESIGN DRAWINGS\368128 DESIGN

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DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE		OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 CITY OF WEST BRANCH	CROSS SECTIONS	DWG. NO.
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		DATE	06-04-14					
		ISSUED FOR	CONSTRUCTION	VEENSTRA & KIMM, INC.		360 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565 319-466-1000 • 319-466-1006(FAX) • 888-241-8001(WATS)	PROJECT 368128	

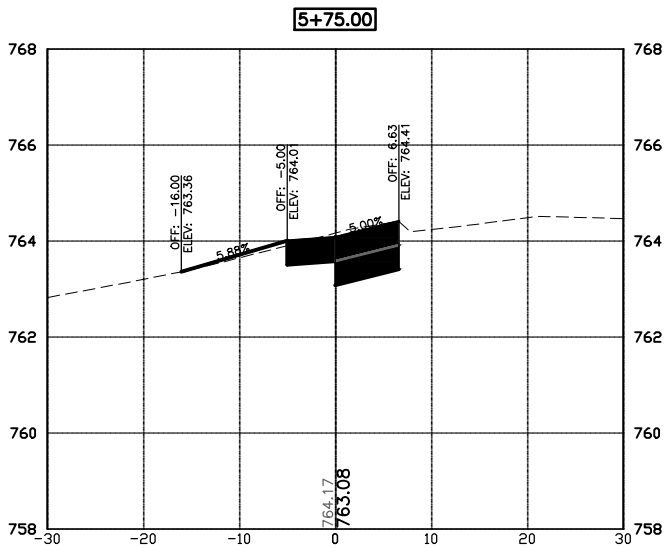
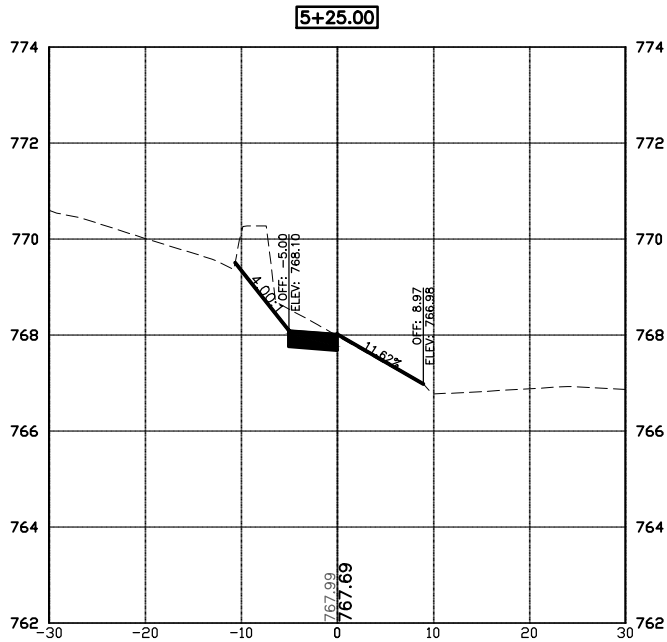
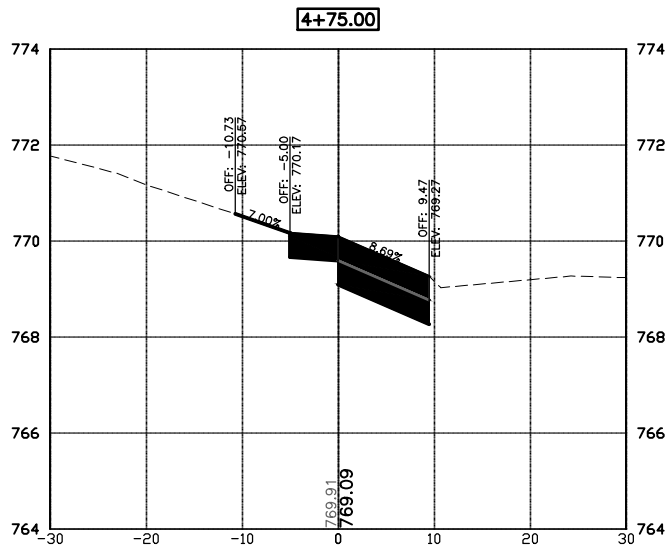
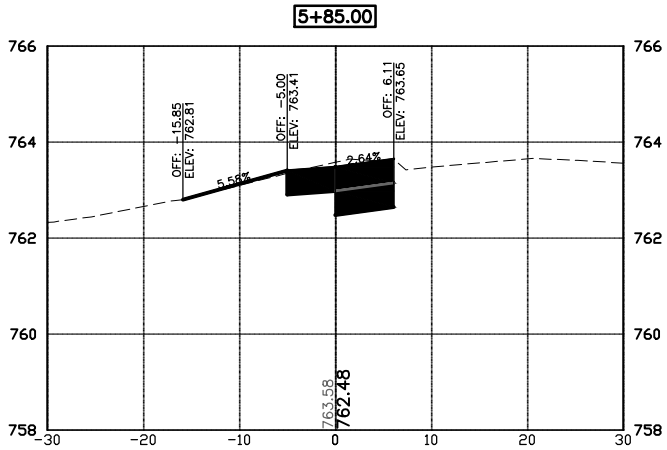
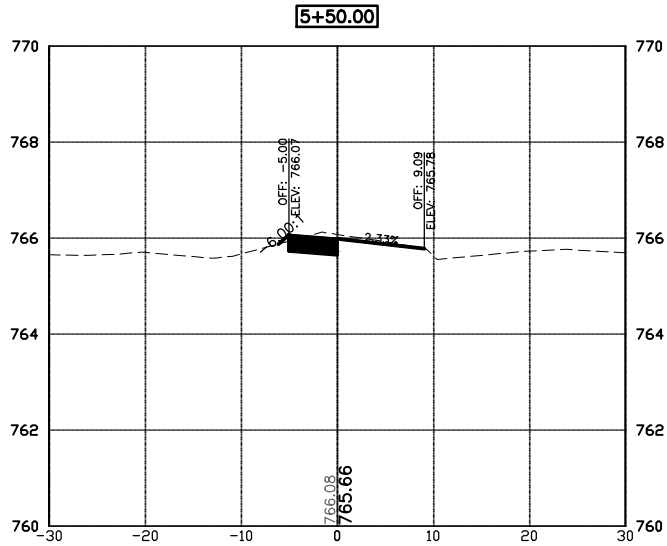
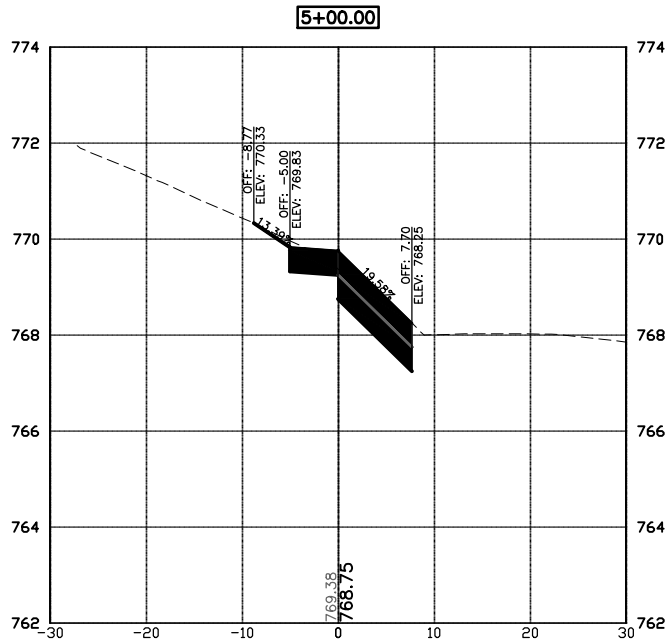


OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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CROSS SECTIONS

X-REFS: 368128 Boundary & 368128 Topo & Aerial
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PLOTTED: Friday, June 06, 2014 3:28:56 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

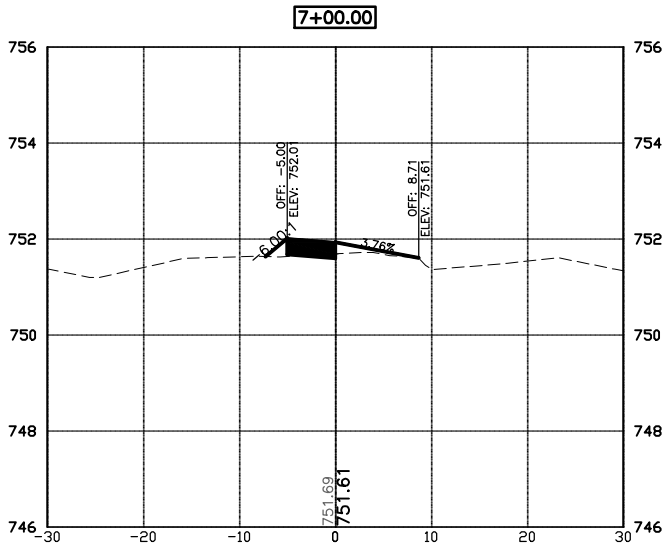
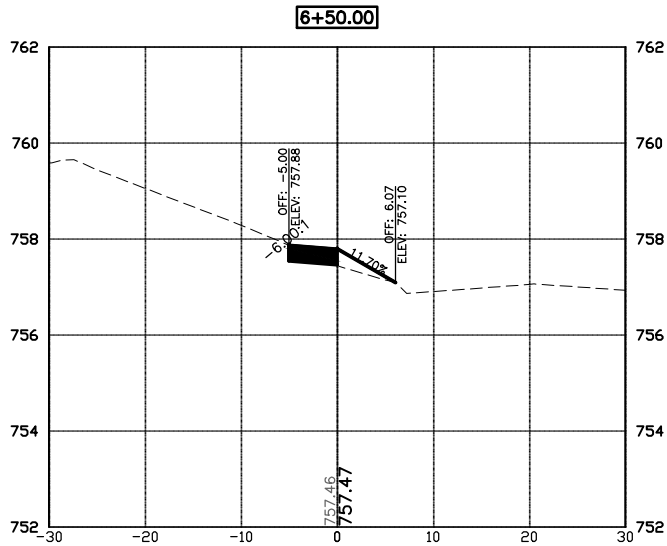
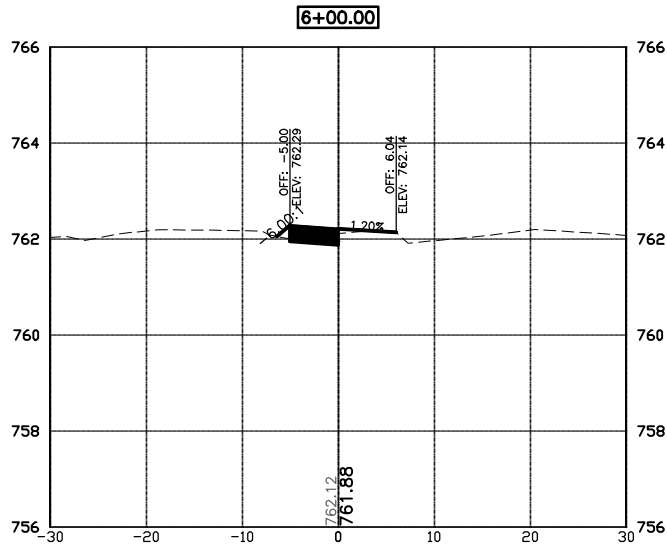
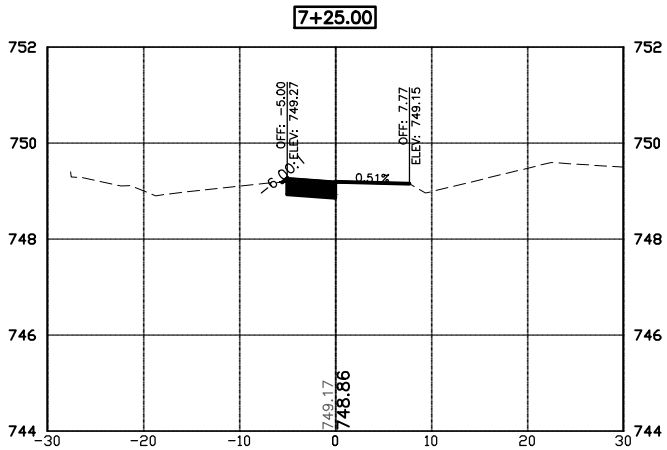
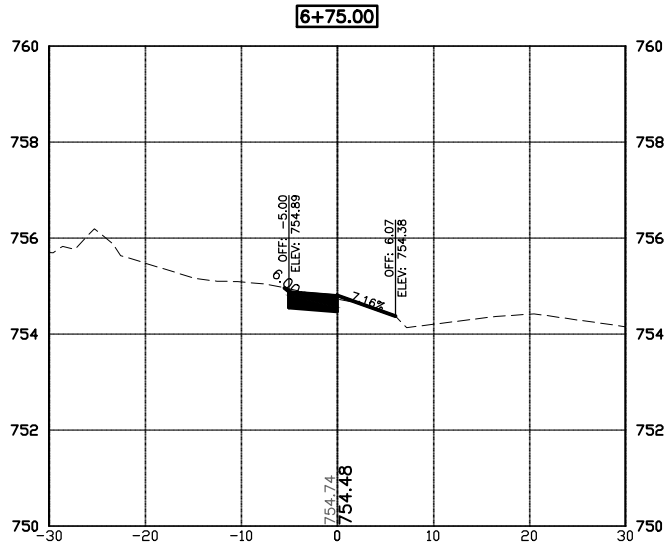
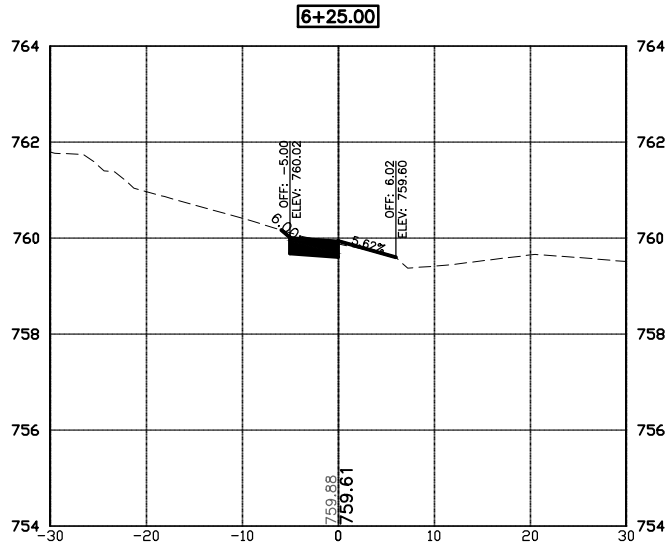
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CROSS SECTIONS

DWG. NO.
X.05
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
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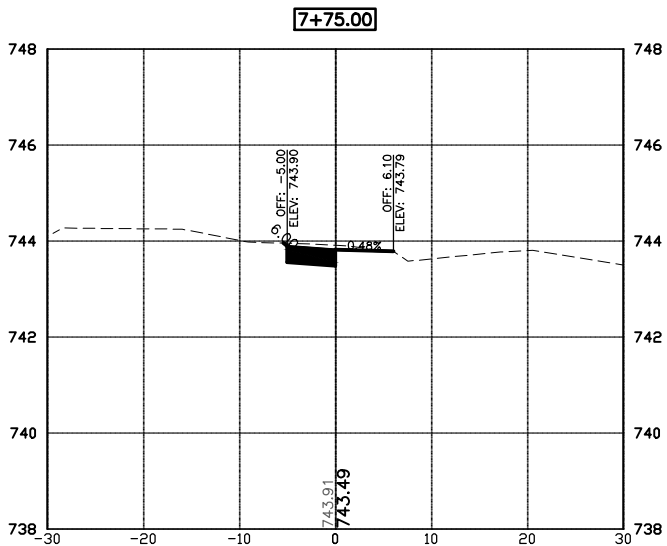
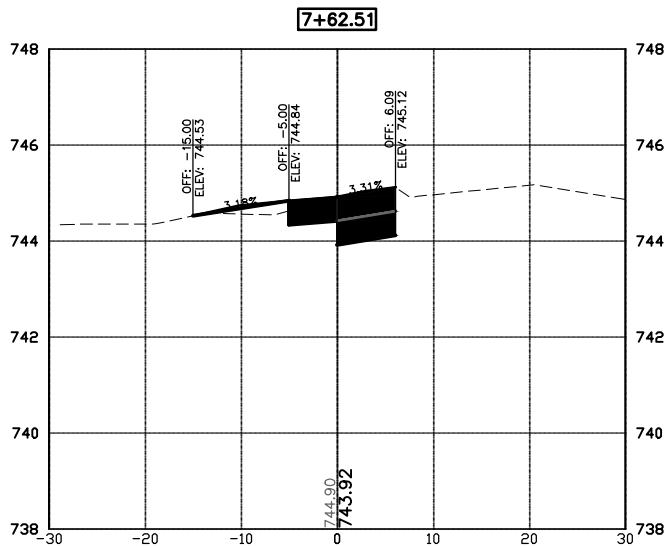
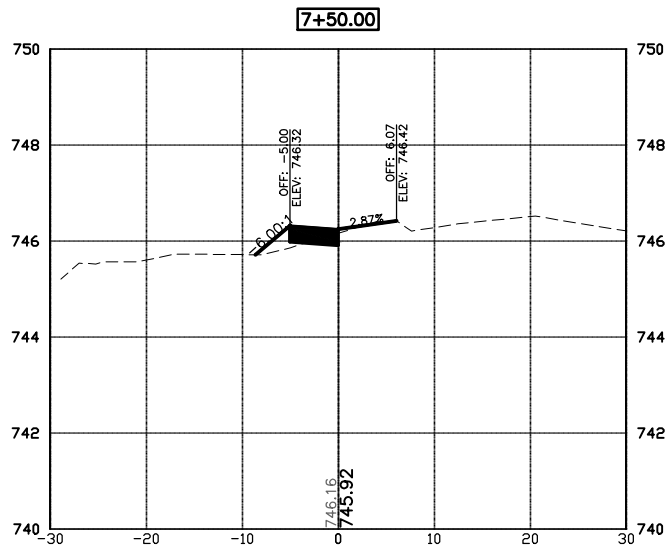
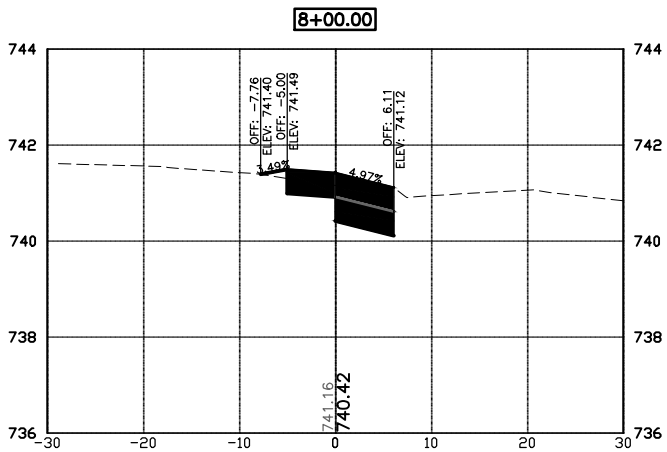
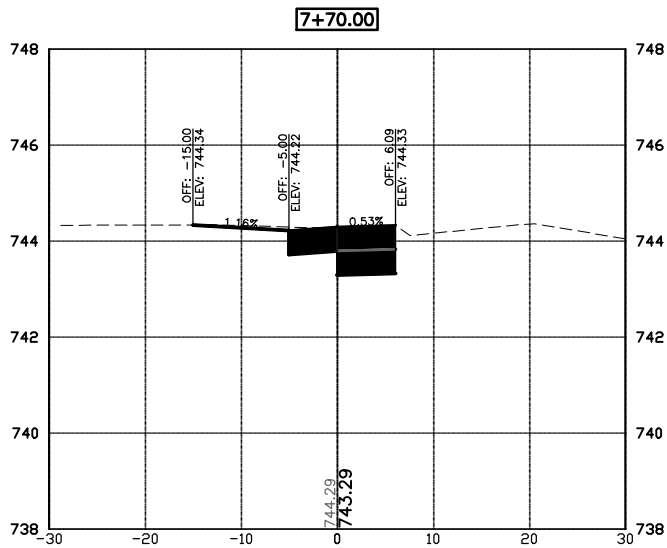
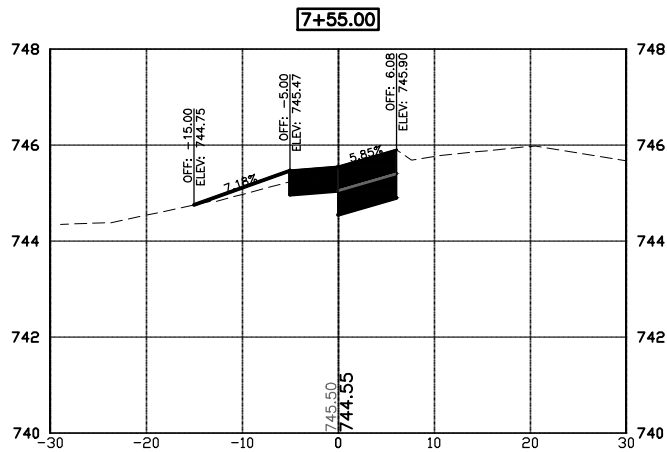
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DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE	OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 CITY OF WEST BRANCH	CROSS SECTIONS	DWG. NO.
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		APPROVED	DRS				368128
		DATE	06-04-14				
		ISSUED FOR	CONSTRUCTION				



X-REFS: 368128 Boundary & 368128 Topo & Aerial
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DATE	REVISIONS	SCALE	AS NOTED
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		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
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0 1"
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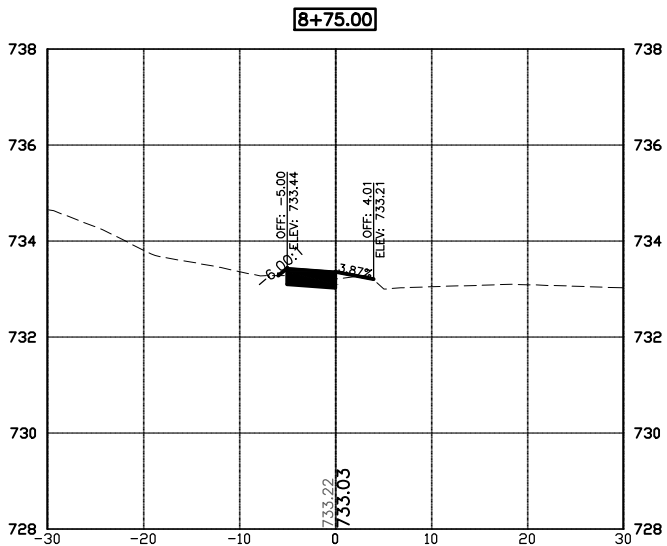
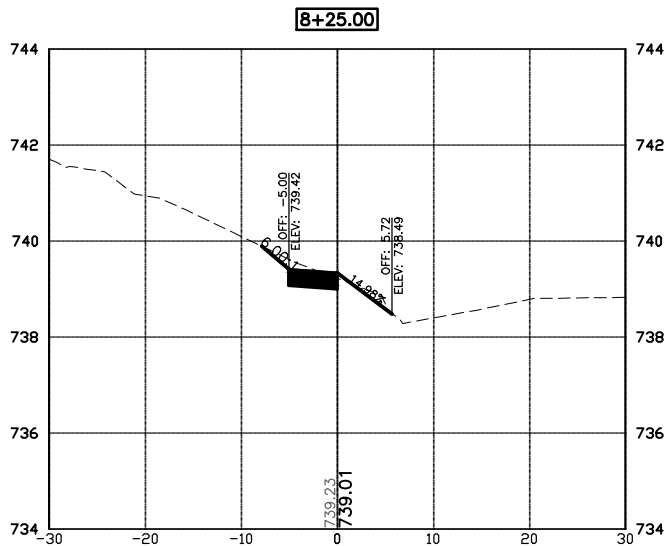
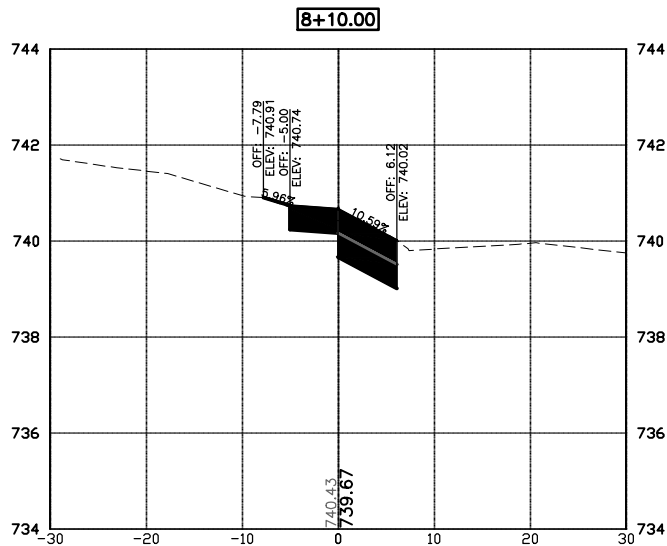
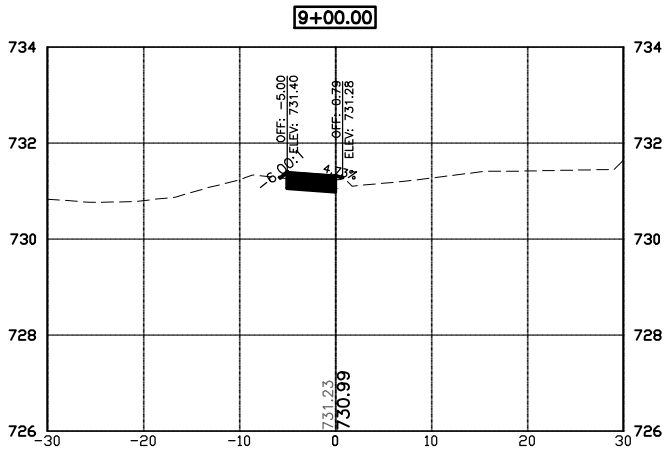
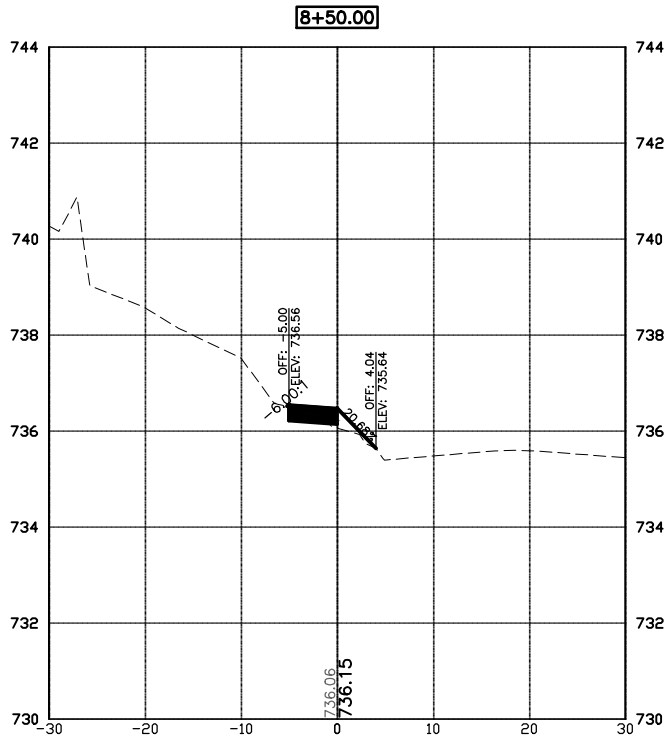
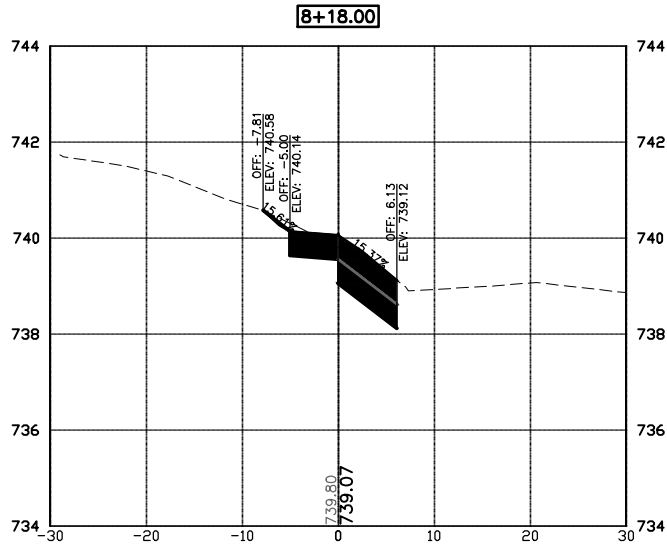
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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CROSS SECTIONS

DWG. NO.
X.07
PROJECT 368128

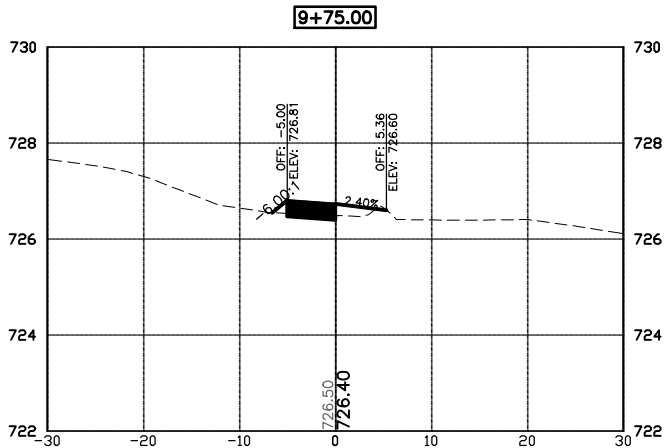
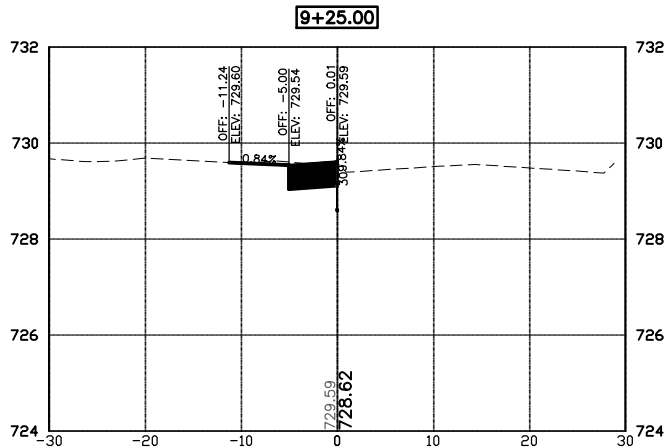
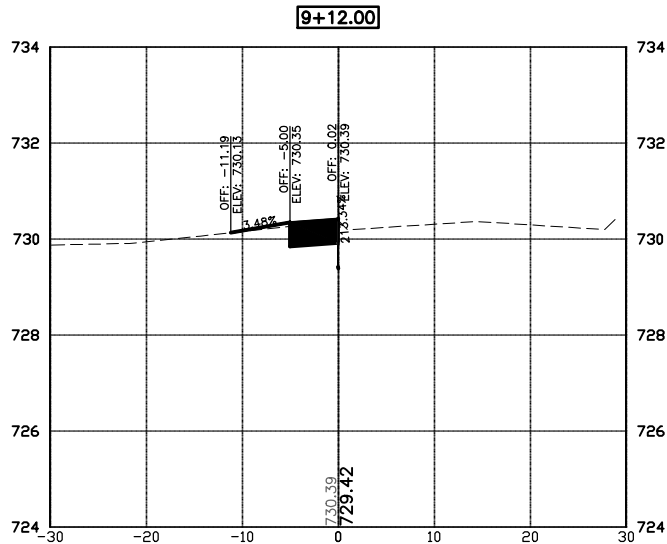
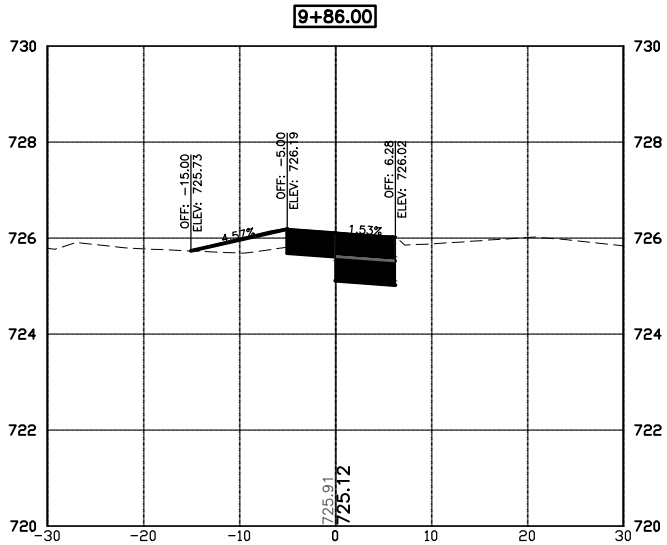
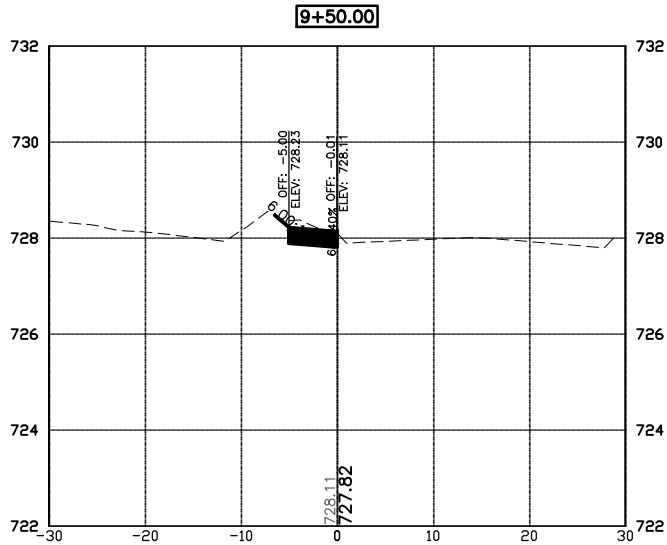
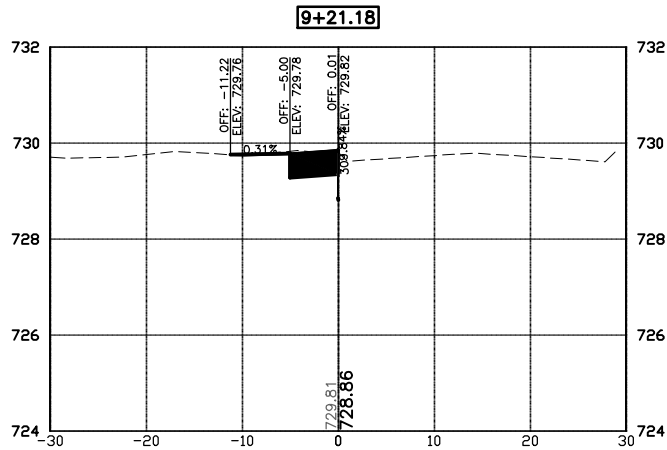
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PLOTTED: Friday, June 06, 2014 3:29:11 PM



DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE	OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2 CITY OF WEST BRANCH	CROSS SECTIONS	DWG. NO.
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		DATE	06-04-14				
		ISSUED FOR	CONSTRUCTION		860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)		PROJECT 368128



X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\ DESIGN DRAWINGS\368128 DESIGN
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DATE	REVISIONS	SCALE	AS NOTED
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		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



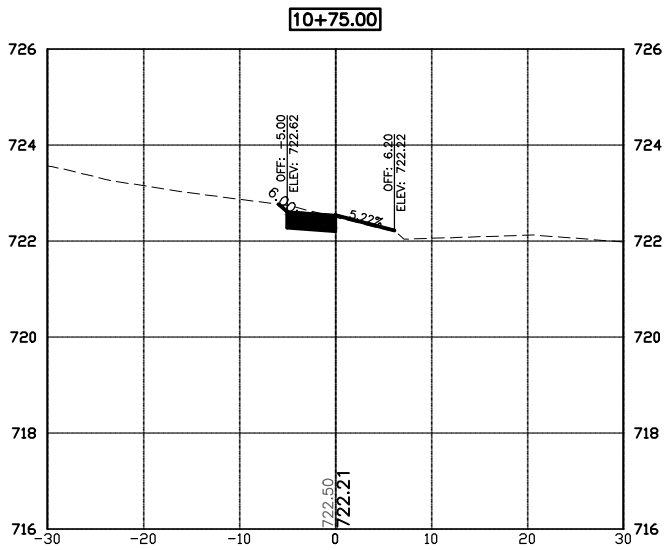
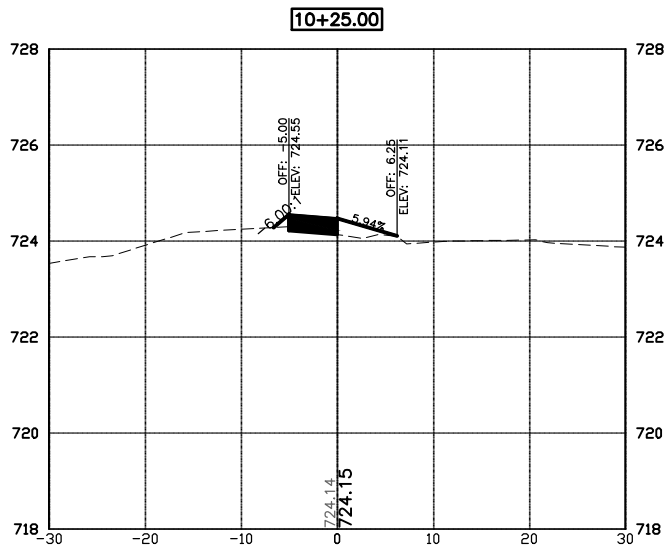
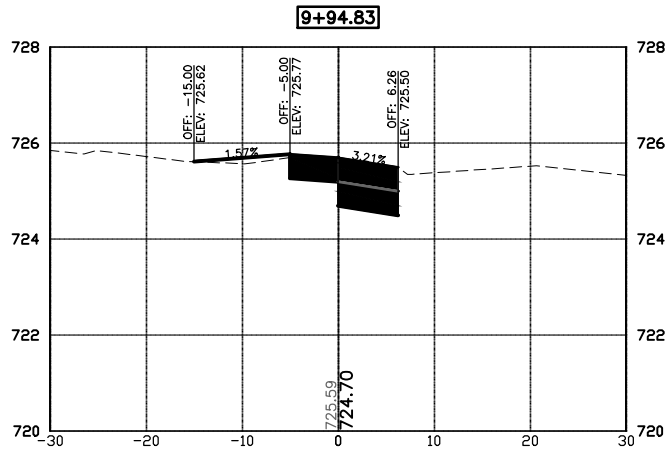
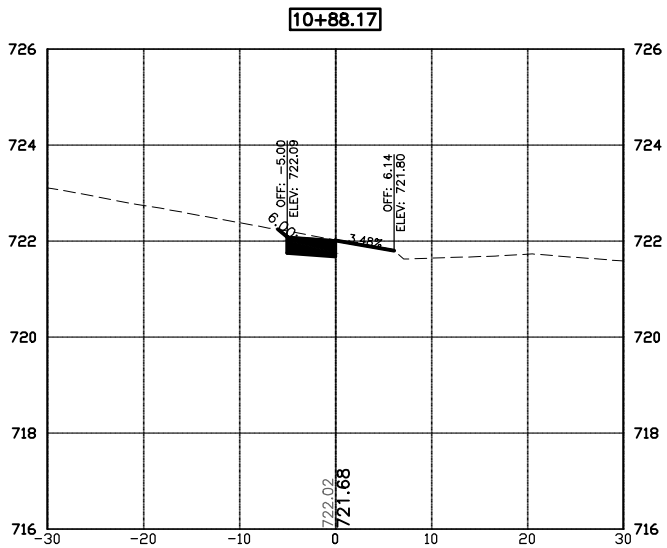
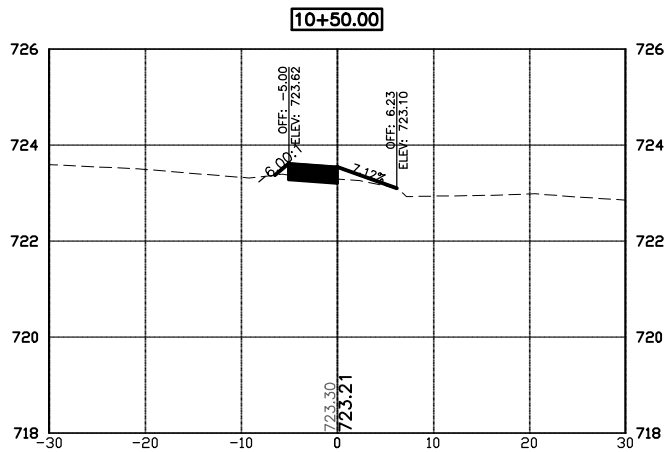
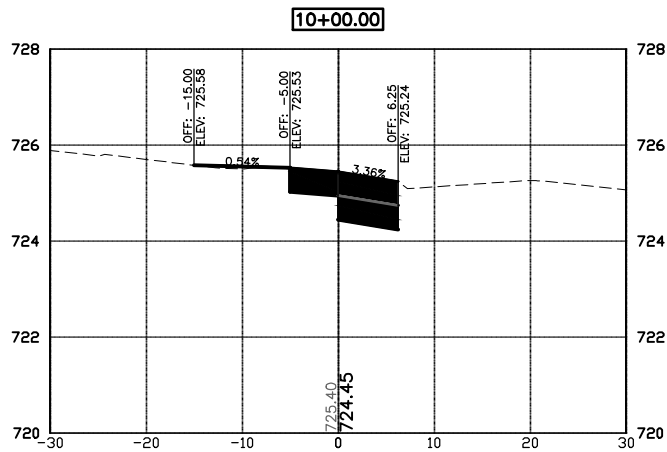
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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CROSS SECTIONS

DWG. NO.
X.09
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\1 DESIGN DRAWINGS\368128 DESIGN
PLOTTED: Friday, June 06, 2014 3:29:21 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
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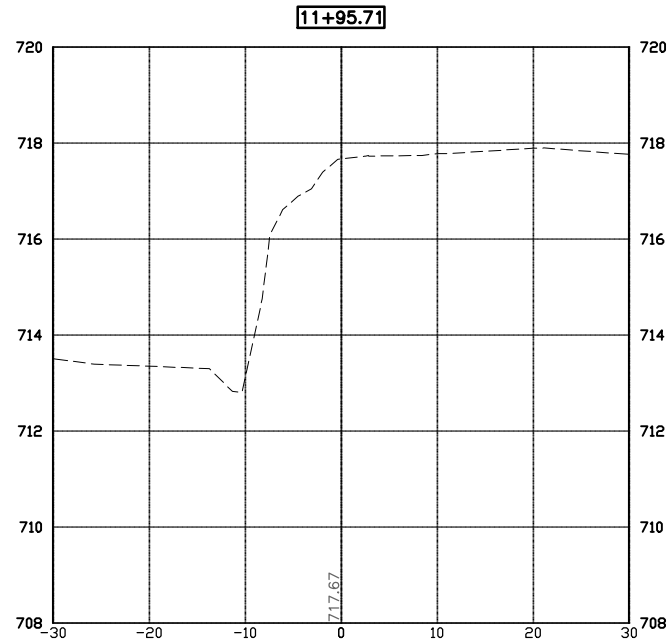
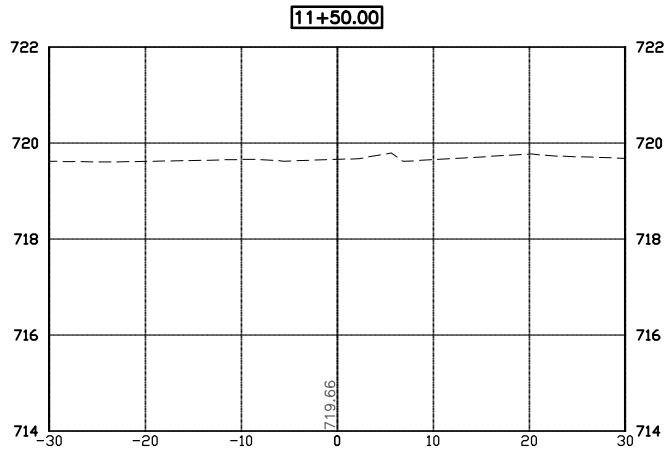
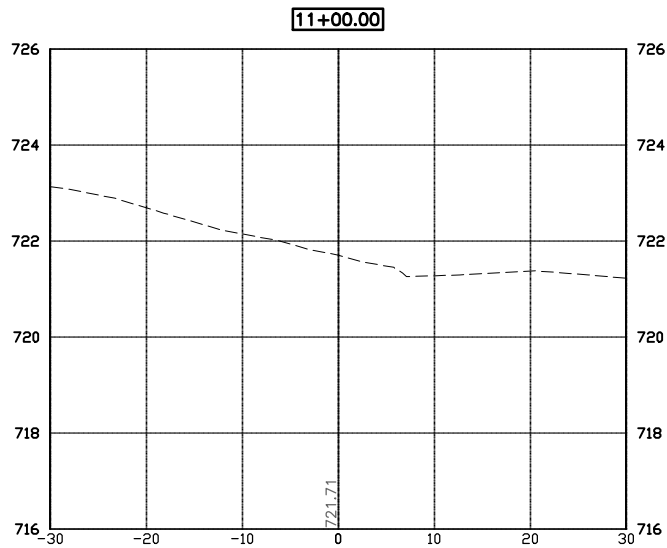
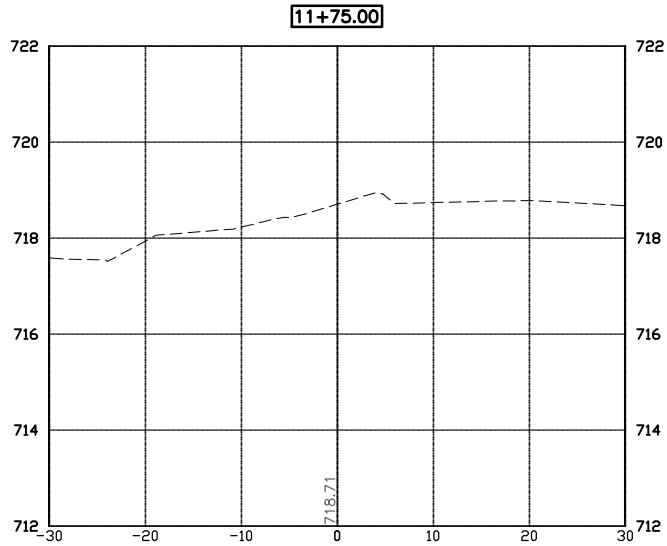
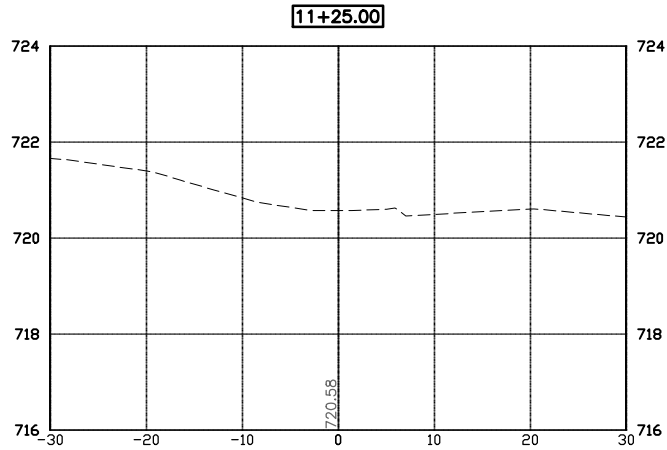
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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CROSS SECTIONS

DWG. NO.
X.10
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\ DESIGN DRAWINGS\368128 DESIGN
PLOTTED: Friday, June 06, 2014 3:29:26 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
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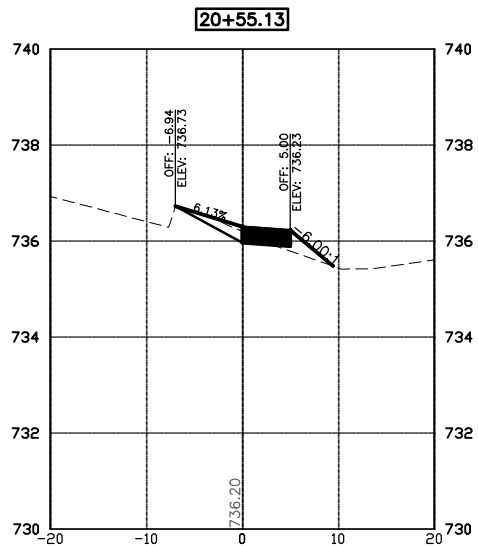
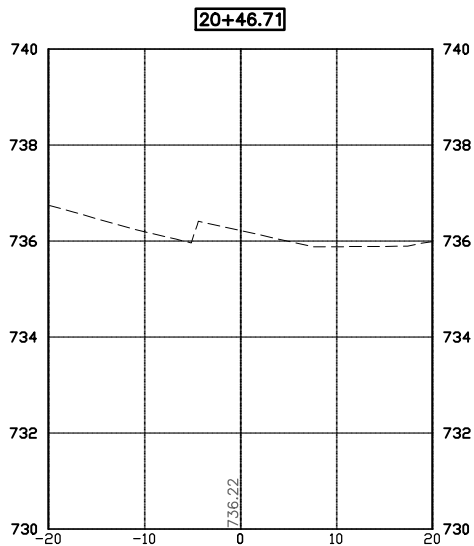
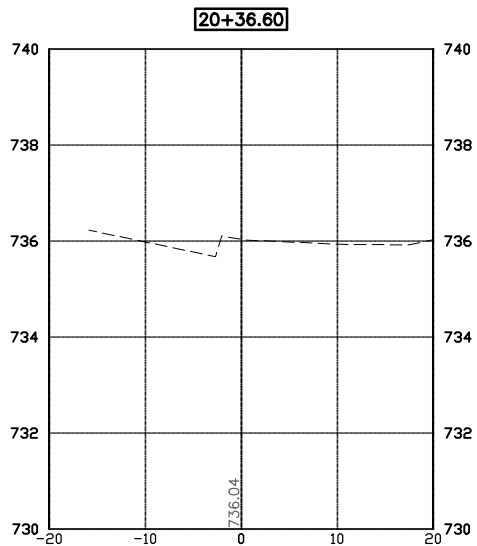
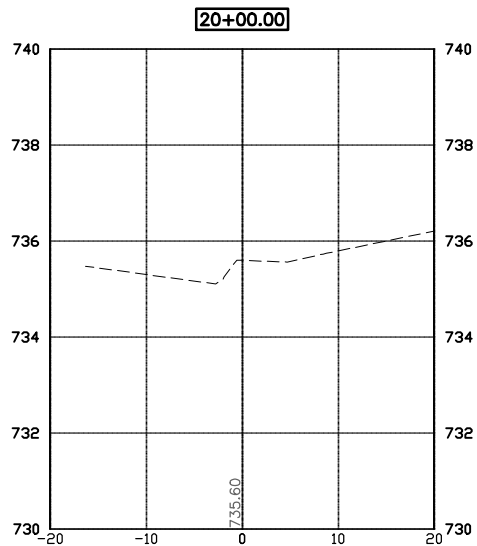
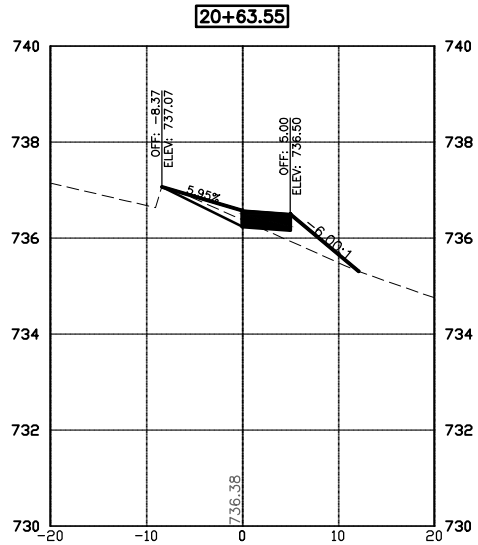
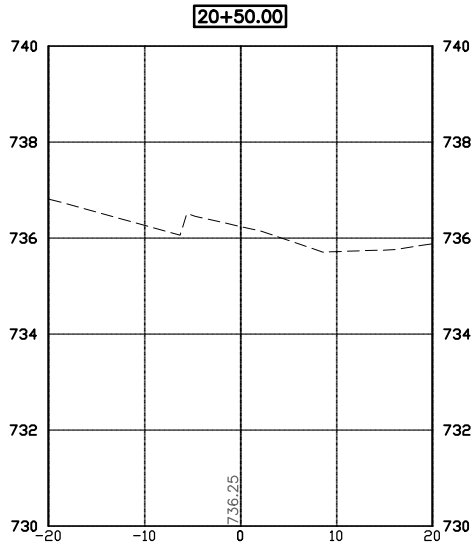
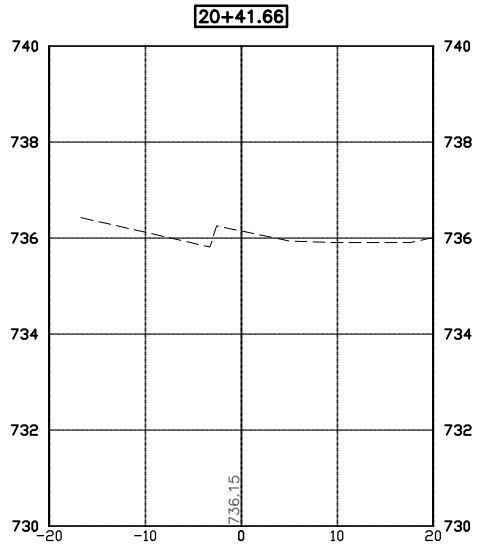
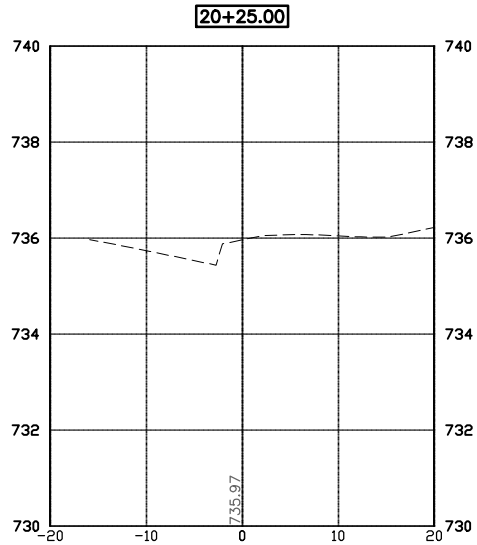
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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CROSS SECTIONS

DWG. NO.
X.11
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\1 DESIGN DRAWINGS\368128 DESIGN
PLOTTED: Friday, June 06, 2014 3:29:31 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
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0 1"
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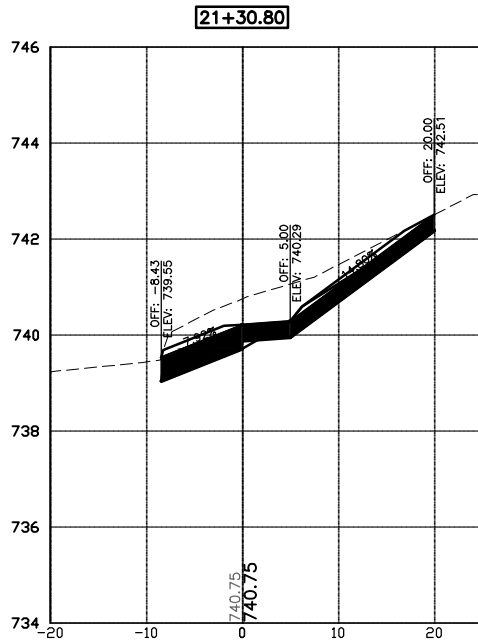
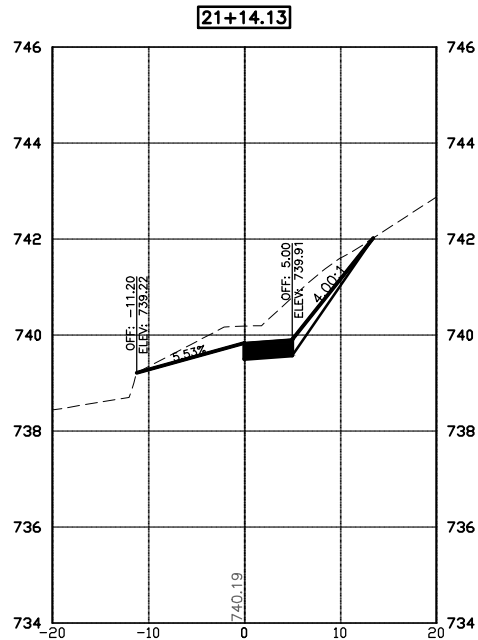
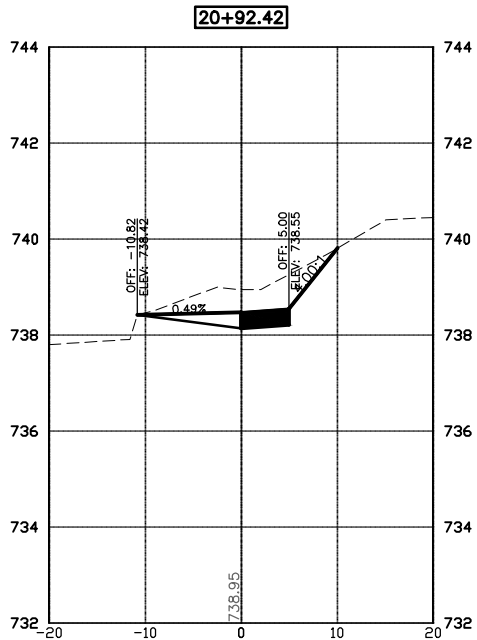
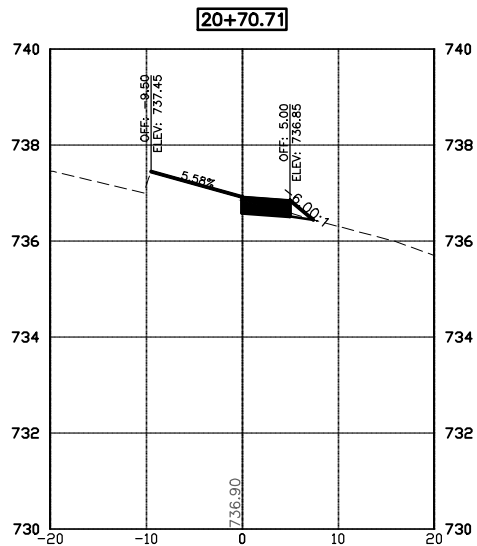
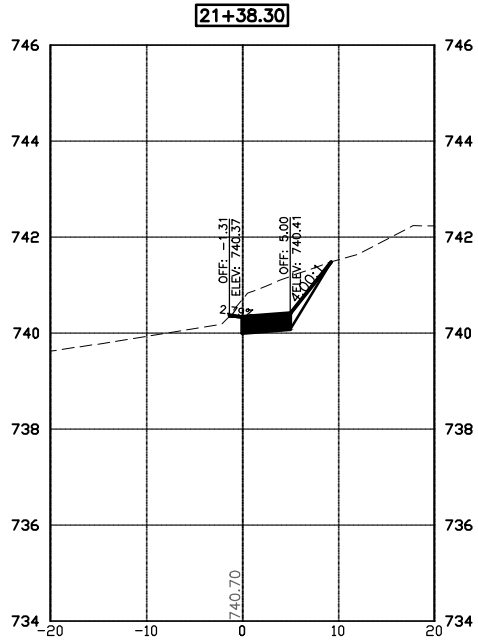
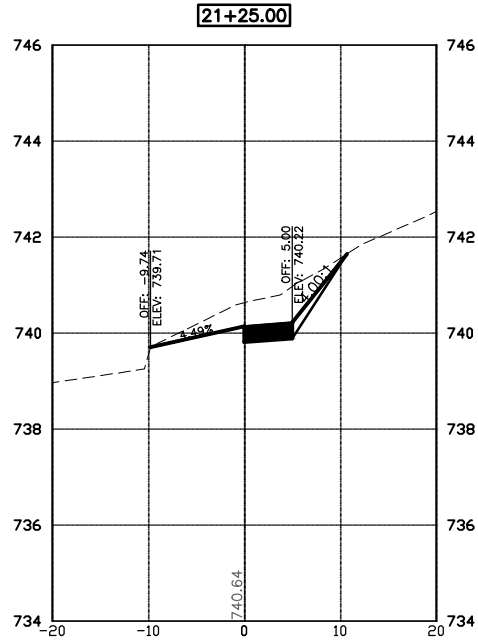
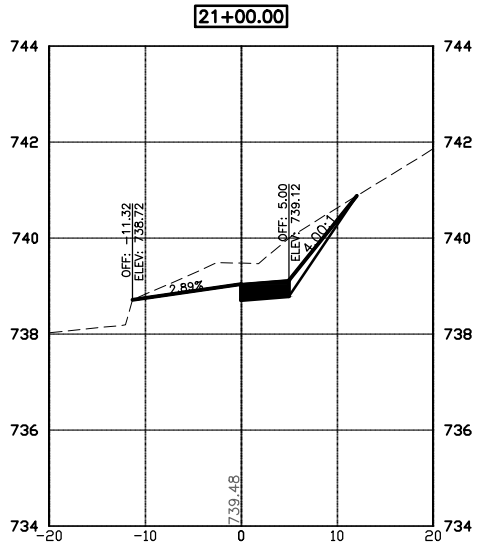
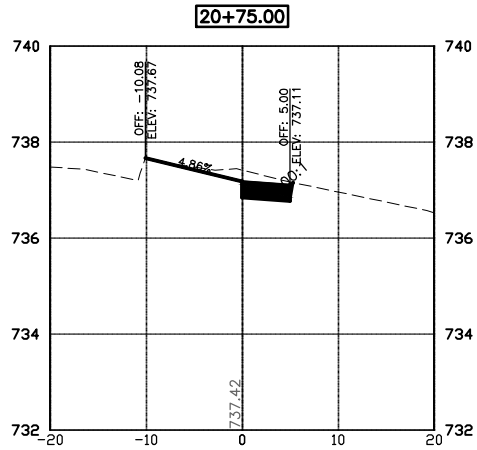
OLIPHANT STREET SIDEWALK IMPROVEMENTS - PHASE 2
CITY OF WEST BRANCH

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CROSS SECTIONS

DWG. NO.
X.12
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS\2014 DSDRAWINGS\1 DESIGN DRAWINGS\368128 DESIGN
PLOTTED: Friday, June 06, 2014 3:29:36 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE
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0 1"
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CITY OF WEST BRANCH

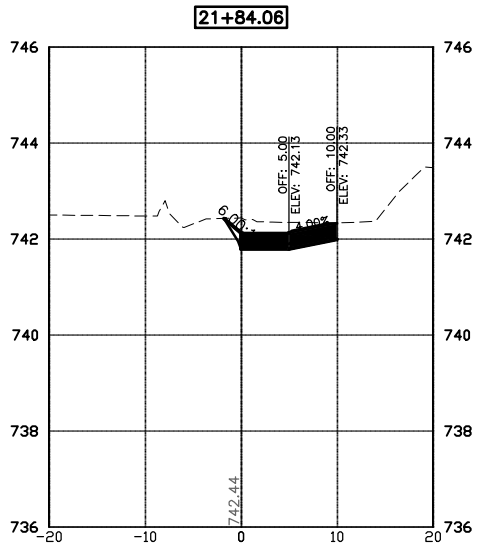
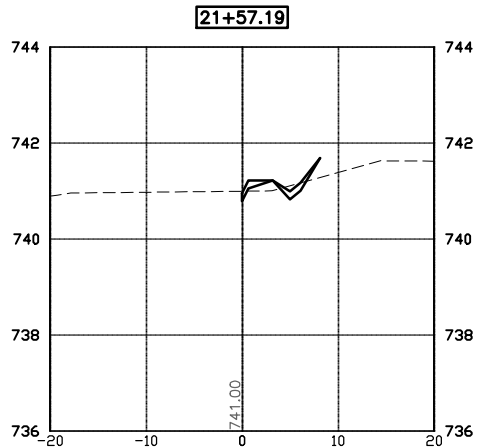
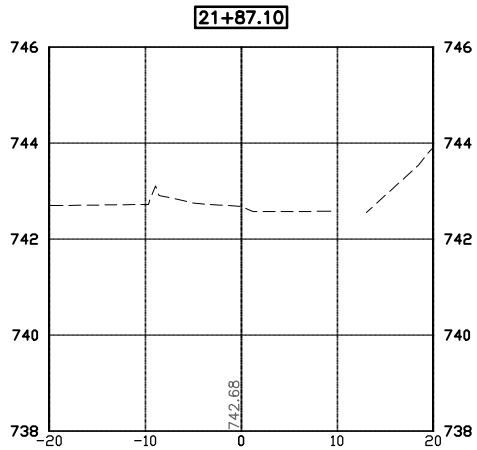
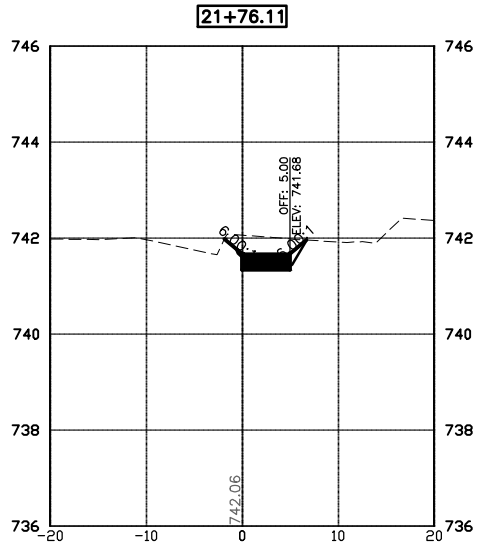
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CROSS SECTIONS

DWG. NO.
X.13
PROJECT 368128

X-REFS: 368128 Boundary & 368128 Topo & Aerial
FILE PATH: Z:\WEST BRANCH 368128 OLIPHANT STREET SIDEWALK IMPROVEMENTS 2014 DSDRAWINGS\1 DESIGN DRAWINGS\368128 DESIGN

PLOTTED: Friday, June 06, 2014 3:29:41 PM



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	LJB
		CHECKED	LJB
		APPROVED	DRS
		DATE	06-04-14
		ISSUED FOR	CONSTRUCTION

VERIFY SCALE

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VEENSTRA & KIMM, INC.

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CROSS SECTIONS

PROJECT 368128

DWG. NO.
X.14
PROJECT 368128