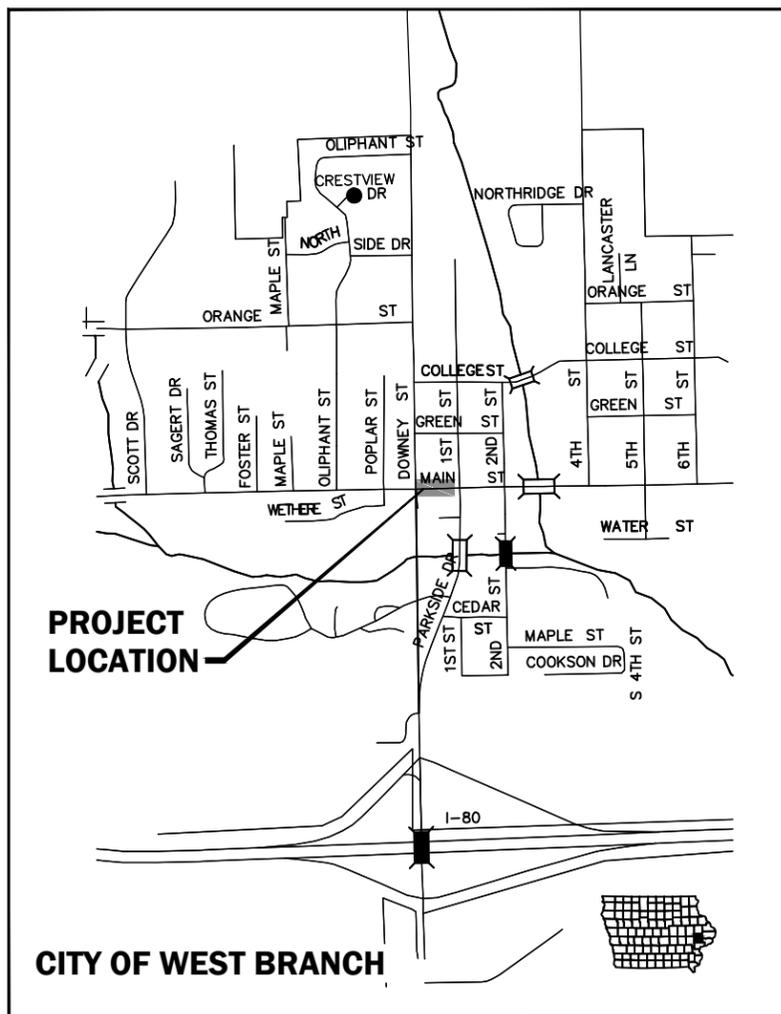


PLANS FOR MAIN STREET SIDEWALK IMPROVEMENTS - PHASE 2 WEST BRANCH, IOWA



VICINITY MAP
NOT TO SCALE

GENERAL LEGEND

<ul style="list-style-type: none"> —+— SURVEY LINE & STATION INDICATOR ▬ CONCRETE SURFACE ▬ ASPHALT SURFACE ▬ CONCRETE W/ASPHALT OVERLAY ▬ LOW GRADE ASPHALT SURFACE ▬ GRANULAR SURFACE ▬ DIRT SURFACE ▬ BRICK SURFACE ▬ SURFACING REMOVAL/REPLACEMENT ▬ EARTH SECTION —○— NEW SEWER/MANHOLE —○— NEW SEWER/INTAKE —+— NEW WATER MAIN —+— NEW FORCE MAIN —+— NEW HYDRANT —+— NEW WATER VALVE —8"S— EXISTING SANITARY SEWER AND SIZE —18"ST— EXISTING STORM SEWER AND SIZE —8"W— EXISTING WATER MAIN AND SIZE —6"FM— EXISTING FORCE MAIN AND SIZE —4"G— GAS MAIN AND SIZE —UE— UNDERGROUND POWER LINE —OHE— OVERHEAD POWER LINE —T— UNDERGROUND TELEPHONE LINE —CTV— CABLE TELEVISION LINE —FO— FIBER OPTICS ▬ TOP OF EMBANKMENT ▬ TOE OF EMBANKMENT ▬ DRAINAGE COURSE ⊙ SANITARY MANHOLE ⊙ STORM WATER MANHOLE ⊙ ELECTRIC MANHOLE ⊙ TELEPHONE MANHOLE ⊙ WATER MANHOLE ⊙ CURB INTAKE ⊙ AREA OR BEEHIVE INTAKE ⊙ EXISTING HYDRANT ⊙ EXISTING WATER VALVE ⊙ GAS VALVE ⊙ UTILITY POLE ⊙ GUY ANCHOR ⊙ STREET LIGHT ⊙ SIGN ⊙ TELEPHONE CABLE JUNCTION BOX ⊙ TRAFFIC SIGNALS ⊙ PEDESTRIAN CONTROL LIGHT ⊙ RAILROAD SIGNAL LIGHT ⊙ RAILROAD SIGN ⊙ UTILITY ACCESS COVER ⊙ PARKING METER ⊙ TREE ⊙ EVERGREEN ⊙ STUMP ⊙ BUSH, SHRUB OR HEDGE 	<ul style="list-style-type: none"> ====12" CMP ▬ RAILROAD ▬ MAILBOX —x— FENCE (MISC.) —x— SECURITY FENCE —○— WOOD FENCE —SF— SILT FENCE —○— CHAIN LINK FENCE —○— PROPERTY LINE —○— PROPERTY PIN —○— SECTION CORNER ▬ PLAT BOUNDARY ▬ BUILDING ▬ ELEVATION MARKER ⊙ CENTERLINE ⊙ DIA. DIAMETER ⊙ ELEV. ELEVATION ⊙ PVC POLYVINYLCHLORIDE PIPE ⊙ CI CAST IRON PIPE ⊙ DI DUCTILE IRON PIPE ⊙ CMP CORRUGATED METAL PIPE ⊙ VCP VITRIFIED CLAY PIPE ⊙ RCP REINFORCED CONCRETE PIPE ⊙ RCAP REINFORCED CONCRETE ARCH PIPE ⊙ LRCP LINED REINFORCED CONCRETE PIPE ⊙ LCPP LINED CONCRETE PRESSURE PIPE ⊙ STA. STATION ⊙ LA LINE AHEAD ⊙ LB LINE BACK ⊙ BM-2 BENCH MARK AND NUMBER ⊙ ROW RIGHT-OF-WAY ⊙ PI POINT OF INTERSECTION ⊙ POT POINT ON TANGENT ⊙ LF LINEAR FEET ⊙ TH TACKED HUB ⊙ SB-2 SOIL BORING AND NUMBER ⊙ PVC POINT OF VERTICAL CURVATURE ⊙ PVT POINT OF VERTICAL TANGENCY ⊙ VC VERTICAL CURVE ⊙ PC POINT OF CURVATURE ⊙ PT POINT OF TANGENCY ⊙ MO MIDDLE ORDINATE ⊙ DWG. DRAWING ⊙ CP-1 CONTROL POINT AND NUMBER (TYP.) ⊙ HPG HIGH PRESSURE GAS ⊙ IPG INTERMEDIATE PRESSURE GAS ⊙ INV. INVERT ⊙ E.W.,E.F. EACH WAY, EACH FACE ⊙ E.W. EACH WAY ⊙ AT ⊙ DRAWING NUMBER
--	--

NOTE: THIS IS A GENERAL LEGEND. ITEMS MAY OR MAY NOT APPEAR ON DRAWINGS.

DRAWING INDEX

NO.	DRAWING TITLE
A.01	INDEX AND TITLE SHEET
C.01	QUANTITIES & REFERENCE
D.01	DEMOLITION PLAN
D.02	PLAN
D.03	PLAN - NOTES
G.01	CONTROL
S.01	SIDEWALK TABULATIONS

GENERAL NOTES

- ALL ELEVATIONS ARE TO CITY OF WEST BRANCH DATUM.
- SHAPE ALL DITCHES TO DRAIN AFTER CONSTRUCTION.
- CONFIRM LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AS REQUIRED TO ELIMINATE CONFLICTS PRIOR TO CONSTRUCTION. ALLOW UTILITY PERSONNEL TO RELOCATE UTILITIES WHERE CONFLICTS OCCUR.
- DO NOT INTERRUPT EXISTING UTILITIES OR INDIVIDUAL SERVICES UNLESS DIRECTED BY ENGINEER.
- LOCATIONS OF CONSTRUCTION LIMIT LINES SHOWN ON PLANS ARE APPROXIMATE. ENGINEER WILL LOCATE CONSTRUCTION LIMITS IN FIELD. CONFINE ALL CONSTRUCTION OPERATIONS, INCLUDING ACCESS TO WORK, TO CONSTRUCTION LIMITS.
- SET MANHOLE COVERS FLUSH WITH PROPOSED GRADES UNLESS OTHERWISE NOTED.
- STATIONING IS ALONG CENTER LINE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- PROTECT UTILITY POLES, LINES AND APPURTENANCES NOT SHOWN FOR RELOCATION.
- RESET ALL PROPERTY PINS DISTURBED BY CONSTRUCTION; PINS RESET BY REGISTERED LAND SURVEYOR; COST IS INCIDENTAL TO CONSTRUCTION.
- PROTECT ALL SURFACING, NOT INDICATED BY SHADING FOR REMOVAL AND REPLACEMENT FROM DAMAGE DURING CONSTRUCTION.

PROTECTION OF VEGETATION

TREES AND OTHER VEGETATION WHICH MAY BE REMOVED ARE MARKED WITH AN "X" OVER THE APPROPRIATE SYMBOL. FOR EXAMPLE, X 12" INDICATES THE REMOVAL OF A 12" TREE. REPLACEMENT, BY CONTRACTOR, OF THESE ITEMS IS NOT REQUIRED. TUNNEL, INSTALL TIGHT SHEETING, HAND EXCAVATE OR EMPLOY OTHER MEANS APPROVED BY ENGINEER TO PROTECT EXPOSED PORTIONS AND ROOT SYSTEMS OF TREES AND OTHER VEGETATION NOT SCHEDULED FOR REMOVAL. IF TREES AND OTHER VEGETATION NOT SCHEDULED FOR REMOVAL ARE DAMAGED DURING CONSTRUCTION, REPLACE IN KIND AND SIZE AT NO COST TO CITY OR PROPERTY OWNER.



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: *David R. Schechinger*

NAME: David R. Schechinger

DATE: 4-2-15

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2016

PAGES COVERED BY THIS SEAL: ALL

DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE
		DRAWN	EDG	BAR IS ONE INCH ON ORIGINAL DRAWING.
		CHECKED	DRS	0
		APPROVED	DRS	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
		DATE		
		ISSUED FOR	CONST	

VEENSTRA & KIMM, INC.

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

MAIN STREET SIDEWALK - PHASE 2
CITY OF WEST BRANCH

INDEX AND TITLE SHEET

DWG. NO.
A.01
PROJECT 368107

ESTIMATED ROADWAY QUANTITIES						
ITEM NO.	ITEM	UNIT	TOTAL	WB	NPS	AS BUILT QUAN.
1.1	MOBILIZATION	LS	1	1	0	
1.2	CONSTRUCTION STAKING	LS	1	1	0	
1.3	TRAFFIC CONTROL	LS	1	1	0	
1.4	PAVEMENT REMOVAL					
	1.4.1 PCC PAVEMENT	SY	252	203	49	
	1.4.2 RMVL OF SIDEWALK	SY	358	301	57	
	1.4.3 RMVL OF CURB AND GUTTER	LF	454	382	72	
	1.4.4 RMVL OF HMA PAVEMENT	SY	64	44	20	
1.5	RMVL & REINSTALL SIGNS	EACH	3	2	1	
1.6	SIGNS & INSTALLATION	EACH	2	0	2	
1.7	FIXTURE ADJUSTMENT					
	1.7.1 WATER VALVES	EACH	3	3	0	
	1.7.2 MANHOLE	EACH	2	2	0	
1.8	MODIFIED SUBBASE	CY	48	39.8	8.2	
1.9	BASE, STD/S-F PCC, 8"	SY	252	203	49	
1.10	HMA	TONS	24	17	7	
1.11	SIDEWALK, PCC, 6"	SY	384	327	57	
1.12	CURB+GUTTER, PCC, 3.0'	LF	375	303	72	
1.13	DETECTABLE WARNING - CURB RAMP	SF	140	100	40	
1.14	PEDESTRAIN HANDRAIL	LF	29	29	0	

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1.1	MOBILIZATION	LUMP SUM
1.2	CONSTRUCTION STAKING	LUMP SUM
1.3	TRAFFIC CONTROL	LUMP SUM
1.4	PAVEMENT REMOVAL	
	1.4.1 PCC PAVEMENT	SEE D.01 FOR DEMO LOCATION, SEE C.01 FOR TABULATION
	1.4.2 RMVL OF SIDEWALK	SEE D.01 FOR DEMO LOCATION, SEE C.01 FOR TABULATION
	1.4.3 RMVL OF CURB AND GUTTER	SEE D.01 FOR DEMO LOCATION, SEE C.01 FOR TABULATION
	1.4.4 RMVL OF HMA PAVEMENT	SEE D.01 FOR DEMO LOCATION, SEE C.01 FOR TABULATION
1.5	RMVL & REINSTALL SIGNS	SEE D.01-.02 FOR LOCATION, SEE C.01 FOR TABULATION
1.6	SIGNS & INSTALLATION	SEE D.03 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.7	FIXTURE ADJUSTMENT	
	1.7.1 WATER VALVES	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
	1.7.2 MANHOLE	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.8	MODIFIED SUBBASE	SEE C.01 FOR TABULATION
1.9	BASE, STD/S-F PCC, 8"	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.10	HMA	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.11	SIDEWALK, PCC, 6"	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.12	CURB+GUTTER, PCC, 3.0'	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.13	DETECTABLE WARNING - CURB RAMP	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION
1.14	PEDESTRAIN HANDRAIL	SEE D.02 FOR PLAN LOCATION, SEE C.01 FOR TABULATION

DATE	REVISIONS

SCALE	AS NOTED
DRAWN	EDG
CHECKED	DRS
APPROVED	DRS
DATE	4-2-15
ISSUED FOR	CONST

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



MAIN STREET SIDEWALK - PHASE 2
 CITY OF WEST BRANCH

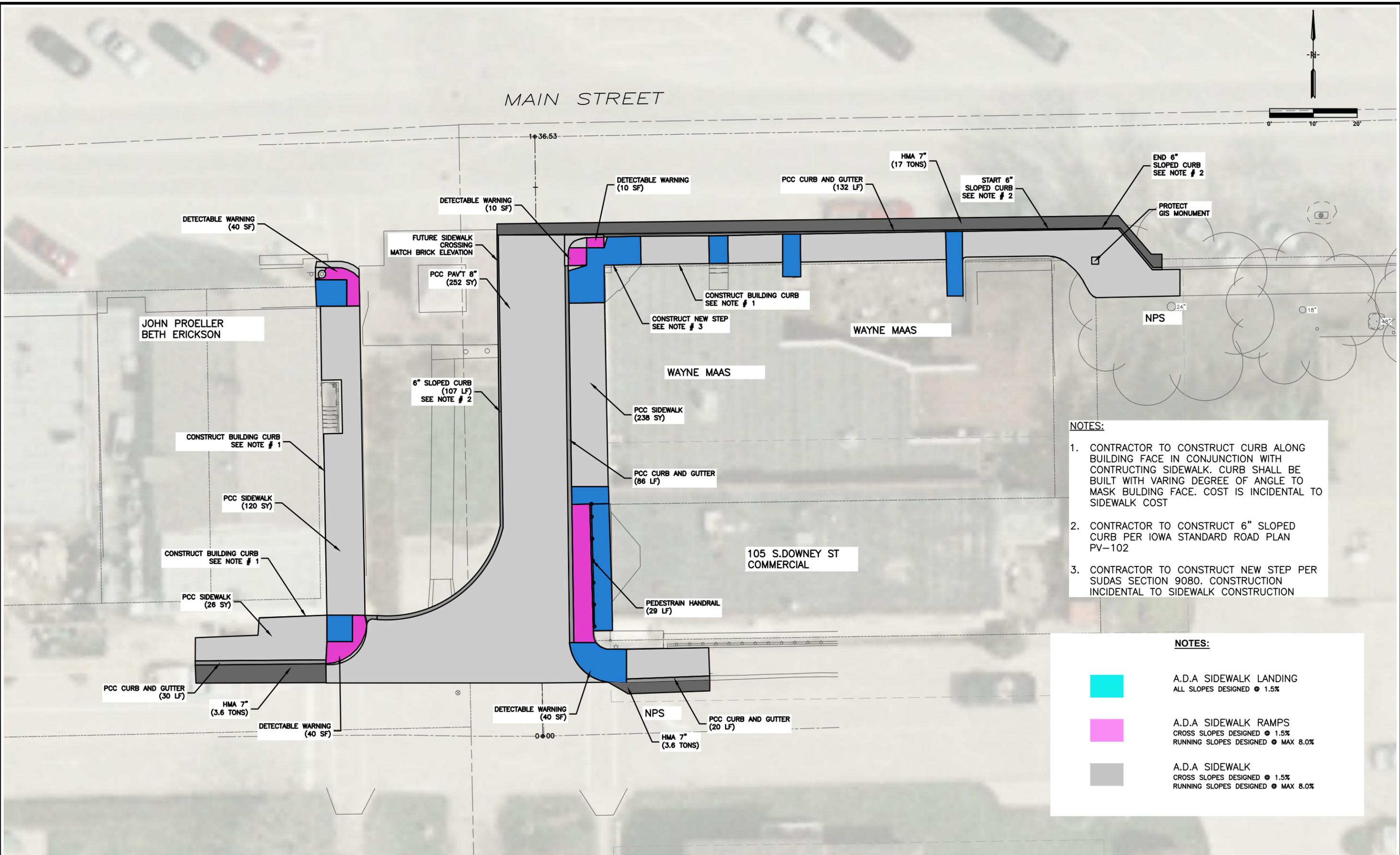
360 22nd Avenue • Suite 4 • Coraville, Iowa 52241-1565
 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(MATS)

QUANTITIES & REFERNECE

DWG. NO.
C.01
PROJECT 368107

PLOTTED: Thursday, April 02, 2015 10:07:31 AM

X-REFS: 368107 Topo & Aerial & 368107 Boundary
 FILE PATH: Z:\WEST BRANCH 368107 MAIN STREET SIDEWALK 2013\DRAWINGS\PRODUCTION DRAWINGS\02-PLAN



- NOTES:**
1. CONTRACTOR TO CONSTRUCT CURB ALONG BUILDING FACE IN CONJUNCTION WITH CONSTRUCTING SIDEWALK. CURB SHALL BE BUILT WITH VARIING DEGREE OF ANGLE TO MASK BULDING FACE. COST IS INCIDENTAL TO SIDEWALK COST
 2. CONTRACTOR TO CONSTRUCT 6" SLOPED CURB PER IOWA STANDARD ROAD PLAN PV-102
 3. CONTRACTOR TO CONSTRUCT NEW STEP PER SUDAS SECTION 9080. CONSTRUCTION INCIDENTAL TO SIDEWALK CONSTRUCTION

NOTES:

- A.D.A SIDEWALK LANDING
ALL SLOPES DESIGNED @ 1.5%
- A.D.A SIDEWALK RAMPS
CROSS SLOPES DESIGNED @ 1.5%
RUNNING SLOPES DESIGNED @ MAX 8.0%
- A.D.A SIDEWALK
CROSS SLOPES DESIGNED @ 1.5%
RUNNING SLOPES DESIGNED @ MAX 8.0%

DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	EDG
		CHECKED	DRS
		APPROVED	DRS
		DATE	4-2-15
		ISSUED FOR	CONST

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



MAIN STREET SIDEWALK - PHASE 2
 CITY OF WEST BRANCH

360 22nd Avenue • Suite 4 • Coraville, Iowa 52241-1565
 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)

PLAN	DWG. NO. D.02
	PROJECT 368107

PLOTTED: Thursday, April 02, 2015 10:08:01 AM

X-REFS: 368107 Topo & 2012-3-4 Aerial 2
 FILE PATH: Z:\WEST BRANCH 368107 MAIN STREET SIDEWALK 2013\DRAWINGS\PRODUCTION DRAWINGS\G.01-CONTROL



Numb.	Northing	Easting	Elevation	Discrip.
106	616217.8	2228421	724.351	cp mag nail
107	616264.6	2228707	717.792	cp mag nail
108	616272.8	2229021	710.255	cp mag nail
109	616242.4	2228676	719.232	sc alum disc
110	616090.9	2228704	716.6434	cp mag nail

DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	EDG
		CHECKED	DRS
		APPROVED	DRS
		DATE	4-2-15
		ISSUED FOR	CONST

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



MAIN STREET SIDEWALK - PHASE 2
 CITY OF WEST BRANCH

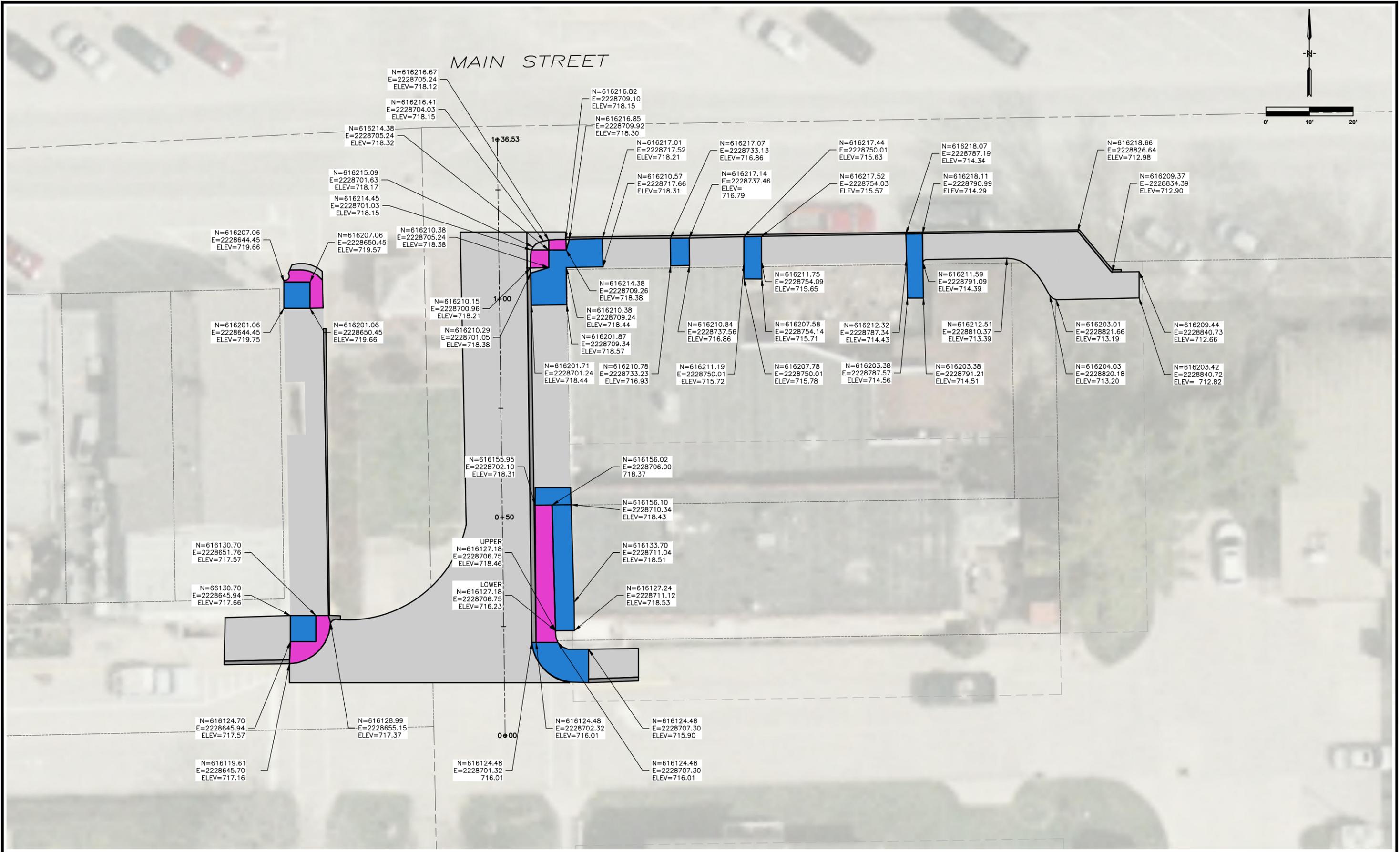
360 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565
 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(MATS)

CONTROL

DWG. NO.
G.01
PROJECT 368107

PLOTTED: Thursday, April 02, 2015 10:08:14 AM

X-REFS: Aerial & 368107 Boundary
FILE PATH: Z:\WEST BRANCH 368107 MAIN STREET SIDEWALK 2013\DRAWINGS\PRODUCTION DRAWINGS\S.01-SIDEWALK



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	EDG
		CHECKED	DRS
		APPROVED	DRS
		DATE	4-2-15
		ISSUED FOR	CONST

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



MAIN STREET SIDEWALK - PHASE 2
CITY OF WEST BRANCH

360 22nd Avenue • Suite 4 • Coraville, Iowa 52241-1565
319-466-1000 • 319-466-1008(FAX) • 888-241-8001(MATS)

SIDEWALK TABULATIONS

DWG. NO.
S.01
PROJECT 368107