

11-9-12 LETTING ITEM 051

AUGUST 28, 2012
W&B PROJECT NO. 11-10-078

ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM
ITEP PROJECT NO. 929002
PROJECT NO. TE-00D9(103)
SECTION 10-00061-00-SW
JOB NO. C-99-506-11

BENTON NEW PEDESTRIAN STREETScape
BENTON, FRANKLIN COUNTY, ILLINOIS

FOR:
THE CITY OF BENTON

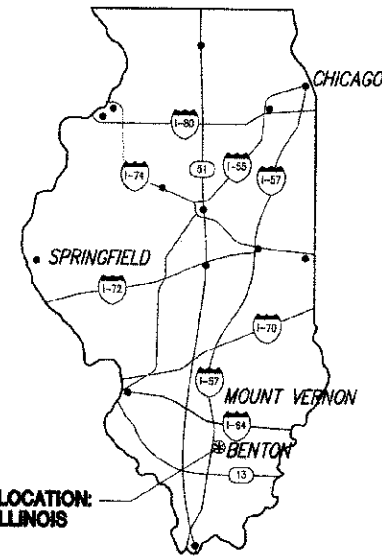
USING AGENCY:
THE CITY OF BENTON

ARCHITECT:
WHITE & BORGOGNONI
ARCHITECTS, P. C.
212 North Illinois Avenue
Carbondale, Illinois 62901-1452

CONSULTANTS:
ELECTRICAL/LIGHTING ENGINEER:
McCOY & HOWARD ENGINEERS
18088 NORTH OLD SALEM ROAD / P.O. BOX 581
MOUNT VERNON, ILLINOIS 62864
Phone (618) 242-0473

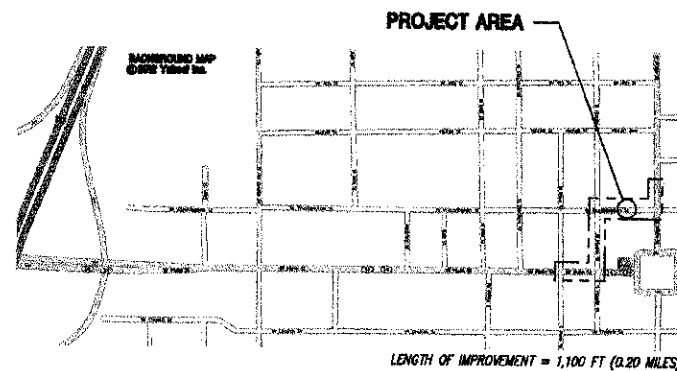
LAND SURVEYING:
WYANT SURVEYING COMPANY
114 EAST MAIN STREET
BENTON, ILLINOIS 62812
Phone (618) 435-4400
wyantsurveying@frontier.com

CITY OF BENTON	
APPROVED:	<i>May Kraft</i> MAYOR, CITY OF BENTON
PASSED:	<i>9/4/2012</i> <i>Don W. Hill</i> DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	<i>9/4/2012</i> <i>Omer Osman</i> OMER M. OSMAN DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER



PROJECT LOCATION:
BENTON, ILLINOIS

STATE LOCATION PLAN



PROJECT AREA LOCATION PLAN

SCHEDULE OF DRAWINGS

GS.0 COVER SHEET	THESE DRAWINGS PREPARED UNDER THIS SEAL
GS.1 KEYNOTES, LEGENDS AND PAY ITEMS	
C1.0 SITE DEMOLITION PLANS	THESE DRAWINGS PREPARED UNDER THIS SEAL
C1.1 SITE DEMOLITION PLAN	
C1.2 SITE DEMOLITION PLAN	
C2.0 SITE LAYOUT PLANS	
C2.1 SITE LAYOUT PLAN	THESE DRAWINGS PREPARED UNDER THIS SEAL
C2.2 SITE LAYOUT PLAN	
C2.3 SITE LAYOUT PLANS	
C2.4 SITE LAYOUT PLANS	
C3.0 SITE DETAILS	THESE DRAWINGS PREPARED UNDER THIS SEAL
C3.1 SITE DETAILS	
C3.2 SITE DETAILS	
CA.0 SITE LANDSCAPE PLANS	THESE DRAWINGS PREPARED UNDER THIS SEAL
CA.1 SITE LANDSCAPE PLAN	
E1.0 ELECTRICAL LAYOUT PLAN	THESE DRAWINGS PREPARED UNDER THIS SEAL
E1.1 ELECTRICAL LAYOUT PLAN	
E1.2 ELECTRICAL LAYOUT PLAN	
E2.0 DETAILS - ELECTRICAL	

UTILITIES INFORMATION

1. BEFORE STARTING EXCAVATION, ESTABLISH LOCATION AND EXTENT OF UNDERGROUND UTILITIES OCCURRING IN WORK AREA. CONTACT JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIIE) 800/892-0123 OR 811.

REGULATORY CODES AND STANDARDS

- A. MUNICIPAL:
 - 1. INTERNATIONAL BUILDING CODE (2006)
- B. STATE OF ILLINOIS:
 - 1. ILLINOIS DEPARTMENT OF TRANSPORTATION (I.D.O.T.): STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012, INCLUDING ALL AMENDAS.
 - 2. ILLINOIS ACCESSIBILITY CODE, 71 ILLINOIS ADMINISTRATIVE CODE 400. (APRIL 1997)
 - 3. ANSI C2 NATIONAL ELECTRIC LIFE SAFETY CODE, 2002
 - 4. NFPA-70, NATIONAL ELECTRICAL CODE, 2005
- C. FEDERAL:
 - 1. OSHA SAFETY AND HEALTH STANDARDS (GENERAL INDUSTRY/CONSTRUCTION), 1991.
 - 2. AMERICANS WITH DISABILITIES ACT (1991)
 - 3. OSHA SAFETY AND HEALTH STANDARDS (REVISED JULY 1998)
- D. STANDARDS AND OTHER REQUIREMENTS
 - 1. UNDERWRITERS LABORATORY
 - 2. NECA - STANDARDS FOR INSTALLATION
 - 3. NEMA - STANDARDS FOR MATERIALS AND PRODUCTS
 - 4. PREVAILING WAGE ACT, 1990
- E. HIGHWAY STANDARDS
 - 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 - 420001-07 PAVEMENT JOINTS
 - 424001-06 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 - 424006 DIAGONAL CURB RAMPS FOR SIDEWALKS
 - 424011 CORNER PARALLEL CURB RAMPS
 - 424018 NO BLOCK CURB RAMPS
 - 424021 DEPRESSED CORNER FOR SIDEWALKS
 - 424026 ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
 - 424031 MEDIAN PEDESTRIAN CROSSINGS
 - 608001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND CUTTER
 - 701008-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY FROM PAVEMENT EDGE
 - 701008-03 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
 - 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
 - 701206-03 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
 - 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 - 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNIDIRECTIONAL
 - 701502-04 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
 - 701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 - 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
 - 701901-02 TRAFFIC CONTROL DEVICES

ABBREVIATIONS

#	DIAMETER	EQ.	EQUAL	R.	RADIUS
ADA	AMERICAN'S WITH DISABILITIES ACT	EJ	EXPANSION JOINT	RENF.	REINFORCING
ALT.	ALTERNATE	EMST.	EXISTING	REQ'D.	REQUIRED
APPROX.	APPROXIMATE	GA.	GAGE	SML.	SIMILAR
B.B.	BULLED AND BURLEPPED	ILAC	ILLINOIS ACCESSIBILITY CODE	SPEC.	SPECIFICATION
CAL.	CALIPER	INDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION	SYMB.	SYMBOL
CJ	CONTROL JOINT	ITRP	ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM	TYP.	TYPICAL
CONC.	CONCRETE	MAX.	MAXIMUM	W/W.	WITH WIRE FABRIC
CONT.	CONTINUOUS	MIN.	MINIMUM		
COORD.	COORDINATE	O.C.	ON CENTER		
DA.	DIAMETER	OPP.	OPPOSITE		
EA.	EACH	OZ.	OUNCE		
EL.	ELEVATION	NO.	NUMBER		
ELEC.	ELECTRICAL	P.C.	PORTLAND CEMENT CONCRETE		

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #	FEDERAL PROJECT NO.
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	1	TE-00D9 (103) CONTRACT NO. 99486

PROJECT NO. 11-10-078	SHEET NUMBER
DATE: AUGUST 28, 2012	G1.0
DRAWN BY: M.M. APPR. BY: R.G.W.	
REVISIONS:	
OF 2 SHEETS	

wba
WHITE & BORGOGNONI ARCHITECTS, P.C.
212 North Illinois Avenue
Carbondale, Illinois 62901-1452
Telephone (618) 528-3891
www.wb-architects.com

PROJECT: BENTON NEW PEDESTRIAN STREETScape
LOCATION: Benton, Illinois 62812

SHEET TITLE: COVER SHEET
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ILLINOIS REGISTERED PROFESSIONAL SERVICE CORPORATION #184.003802

KEYNOTES

- 1 EXISTING PAVEMENT MATERIALS TO REMAIN - TYPICAL
2 EXISTING CONCRETE CURB AND ASSOCIATED MATERIALS TO REMAIN - TYPICAL
3 KEYNOTE - LIGHTING SYSTEM COMPLETE. REMOVE EXISTING...

KEYNOTES (CONTINUED)

- 17 KEYNOTE NOT USED.
18 KEYNOTE NOT USED.
19 KEYNOTE NOT USED.
20 KEYNOTE NOT USED.

KEYNOTES (CONTINUED)

- 21 KEYNOTE NOT USED.
22 KEYNOTE NOT USED.
23 KEYNOTE NOT USED.
24 KEYNOTE NOT USED.

LEGEND (SHEETS C2.0, C2.1, C2.2, C2.3, C2.4, C4.0, AND C4.1)

HP + HIGH POINT
NEW ASPHALT PAVEMENT - TYPICAL
NEW CONCRETE PAVEMENT - TYPICAL
NEW DECORATIVE UNIT PAVERS - TYPICAL
NEW ADA CURB RAMP - SEE SITE LAYOUT PLANS FOR LOCATIONS AND COORDINATE WITH SITE DETAILS - TYPICAL.

LEGEND (SHEETS C1.0, C1.1 AND C1.2)

EXISTING ASPHALT PAVEMENT AND ASSOCIATED MATERIALS TO BE REMOVED - TYPICAL
EXISTING COMBINATION CONCRETE CURB AND GUTTER AND ASSOCIATED MATERIALS TO BE REMOVED - TYPICAL
EXISTING CONCRETE PAVEMENT, CONCRETE SIDEWALK PAVEMENT AND ASSOCIATED MATERIALS TO BE REMOVED - TYPICAL
EXISTING VEGETATION AND PLANTING AREA/LAWN AND ASSOCIATED MATERIALS TO BE REMOVED - TYPICAL

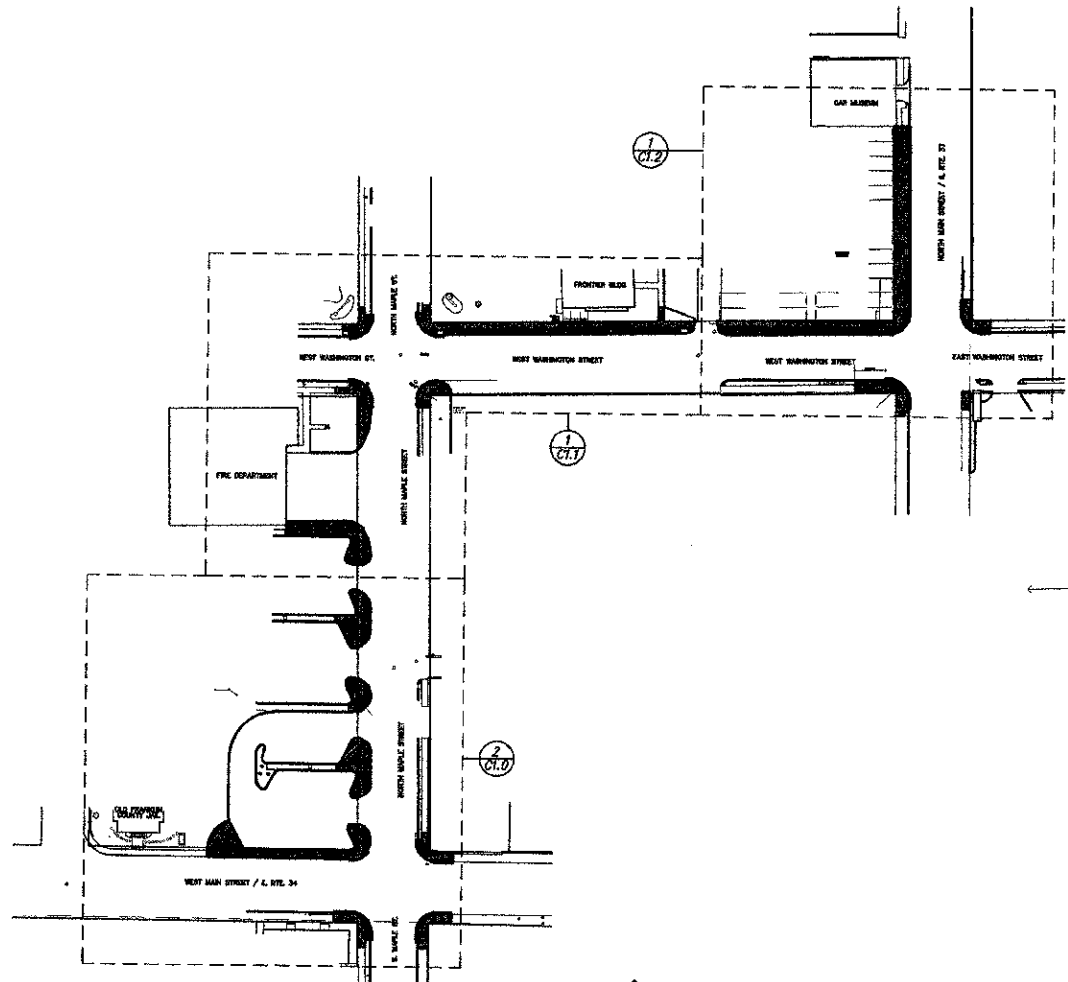
GENERAL NOTES: (APPLY TO ALL DRAWING SHEETS)

- 1. ALL WORK BY GENERAL CONTRACTOR, UNLESS NOTED OTHERWISE - TYPICAL.
2. ALL WORK BY BASE BID, UNLESS NOTED OTHERWISE - TYPICAL.
3. COORDINATE ALL WORK SHOWN ON THIS SHEET WITH ALL OTHER WORK, ALL SPECIFICATIONS AND ALL DRAWINGS PRIOR TO BID - TYPICAL.

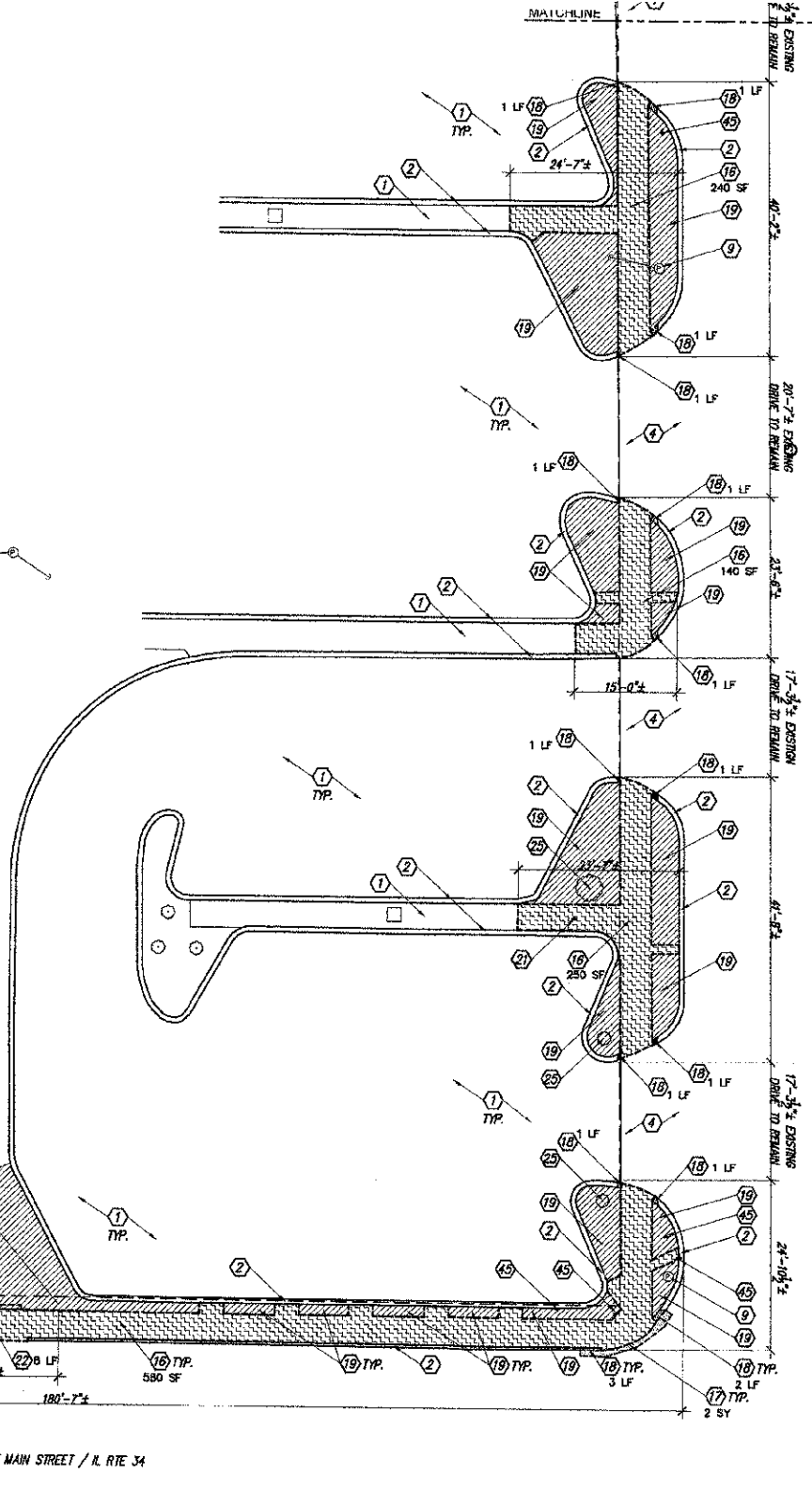
Table with columns: PAY ITEM #, DESCRIPTION, UNIT, SP, QUANTITY. Includes items like MOBILIZATION, CURB REMOVAL, CONCRETE REMOVAL, etc.

Summary table with columns: ROUTE, SECTION, CITY, TOTAL SHEETS, SHEET #. Values: & 34 & B 37, 10-00061-00-SW, BENTON, 19, 2.

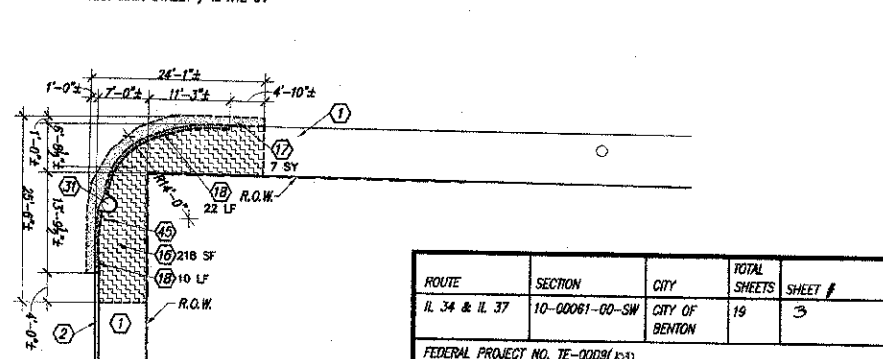
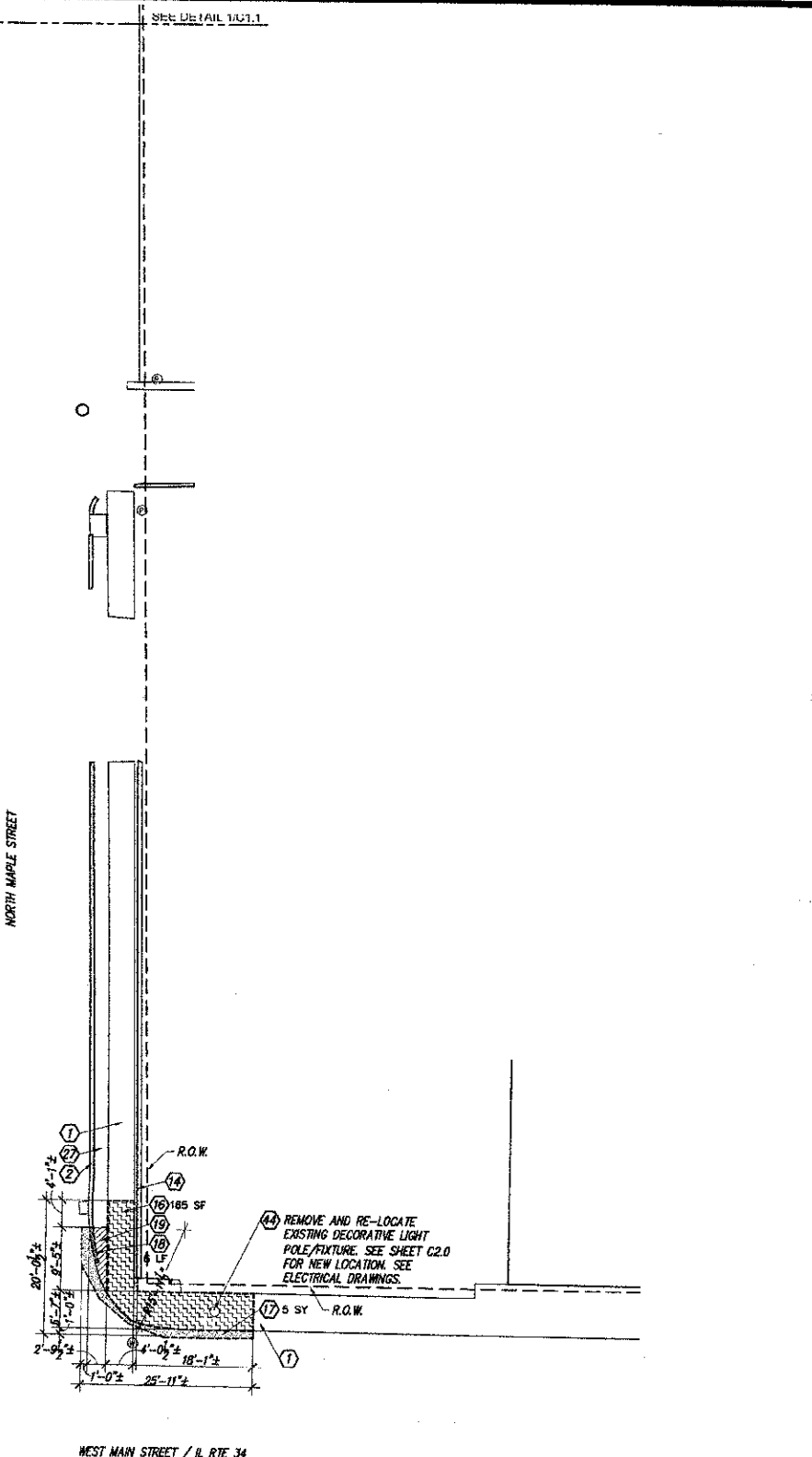




1 OVERALL SITE DEMOLITION PLAN
 C.I.D. 10' 0" 50' 150'
 SCALE: 1" = 50'



2 LARGE SCALE SITE DEMOLITION PLAN - WEST MAIN AND MAPLE STREETS
 C.I.D. 5' 10' 15'
 SCALE: 1" = 10'-0"



44 REMOVE AND RE-LOCATE EXISTING DECORATIVE LIGHT POLE/FIXTURE. SEE SHEET C2.0 FOR NEW LOCATION. SEE ELECTRICAL DRAWINGS.

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	3

FEDERAL PROJECT NO. TE-00081 (23)
 CONTRACT NO. 99486

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN: J.M.M. APPR: R.G.W.

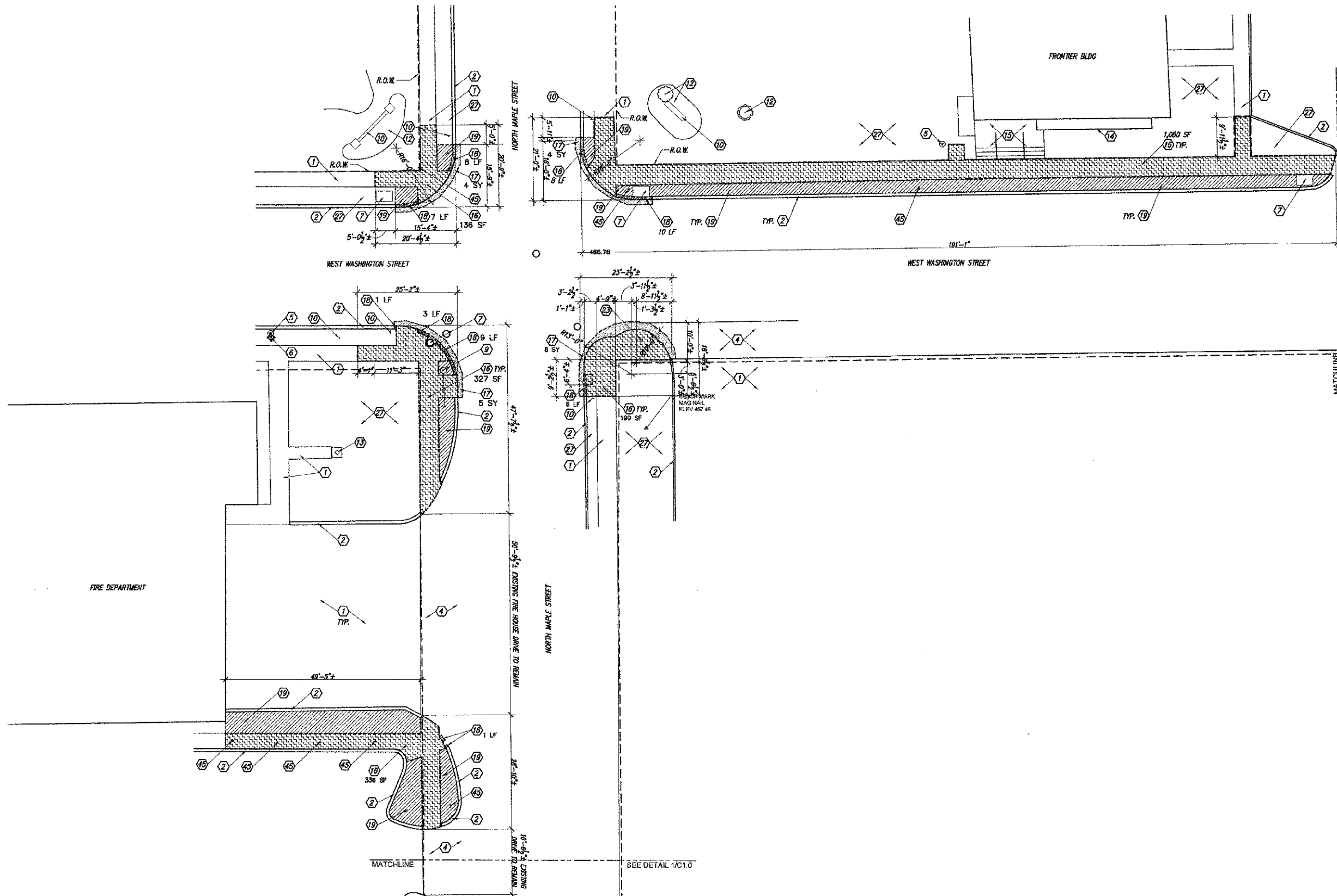
REVISIONS
 SHEET NUMBER
C1.0
 OF 11 SHEETS

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 www.wb-architects.com

PROJECT: BENTON NEW PEDESTRIAN STREETScape
 LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE DEMOLITION PLANS
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 SERVICE CORPORATION #184003802





1 LARGE SCALE SITE DEMOLITION PLAN - MAPLE AND WASHINGTON STREETS
 CL.1
 SCALE 1"=15'-0"

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	4

FEDERAL PROJECT NO. TE-0006(103)
 CONTRACT NO. 99486

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ARCHITECTURE • DESIGN • PRESERVATION

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 www.wb-architects.com

PROJECT: BENTON NEW PEDESTRIAN STREETScape

LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE DEMOLITION PLAN

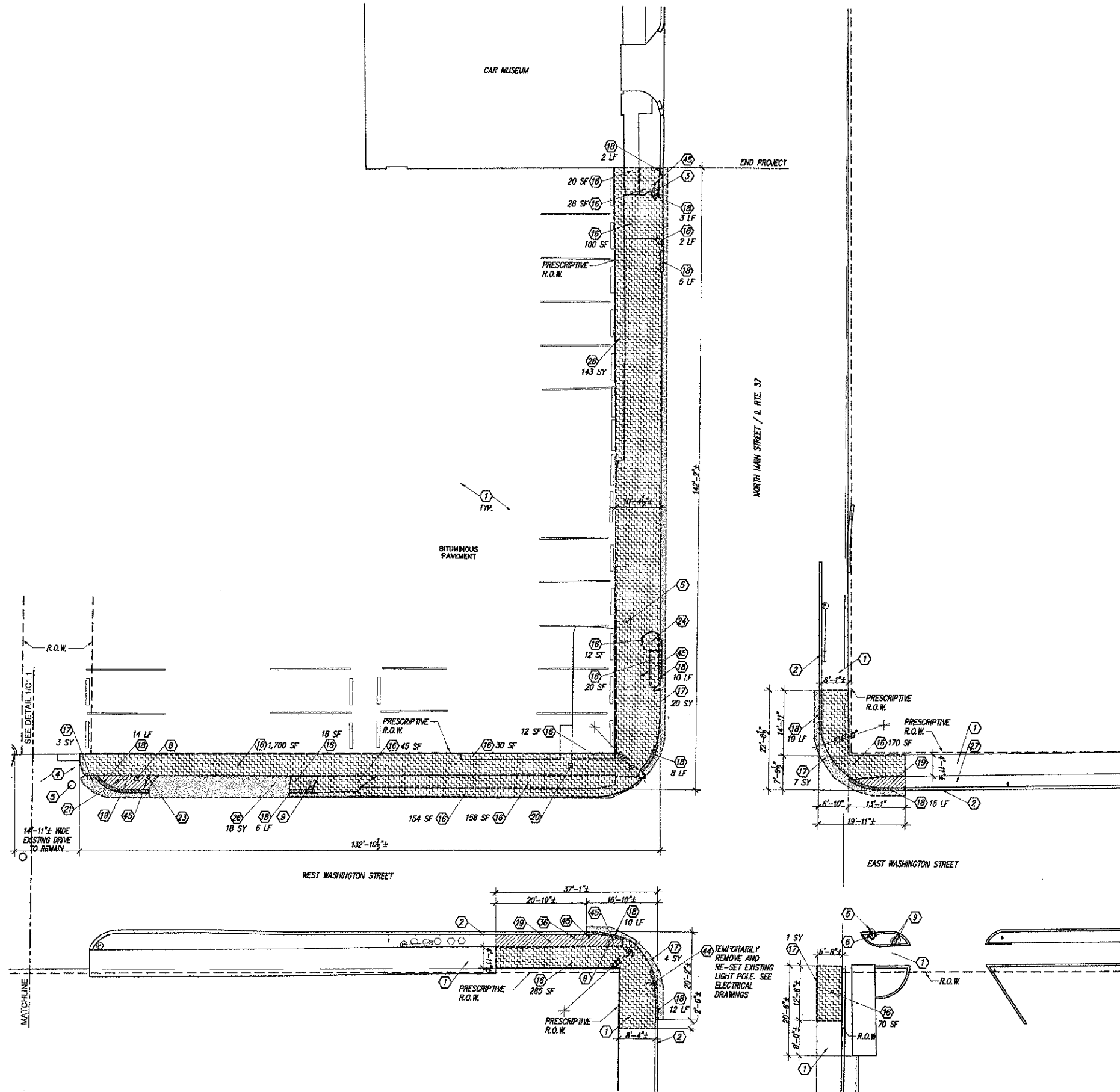
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 SERVICE CORPORATION #184.003802



PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN M.M. APPR. G.G.W.
 REVISIONS _____

SHEET NUMBER
C1.1
 OF 13 SHEETS



1 LARGE SCALE SITE DEMOLITION PLAN - WASHINGTON AND NORTH MAIN STREETS
 CL.2
 SCALE: 1/16"=1'-0"

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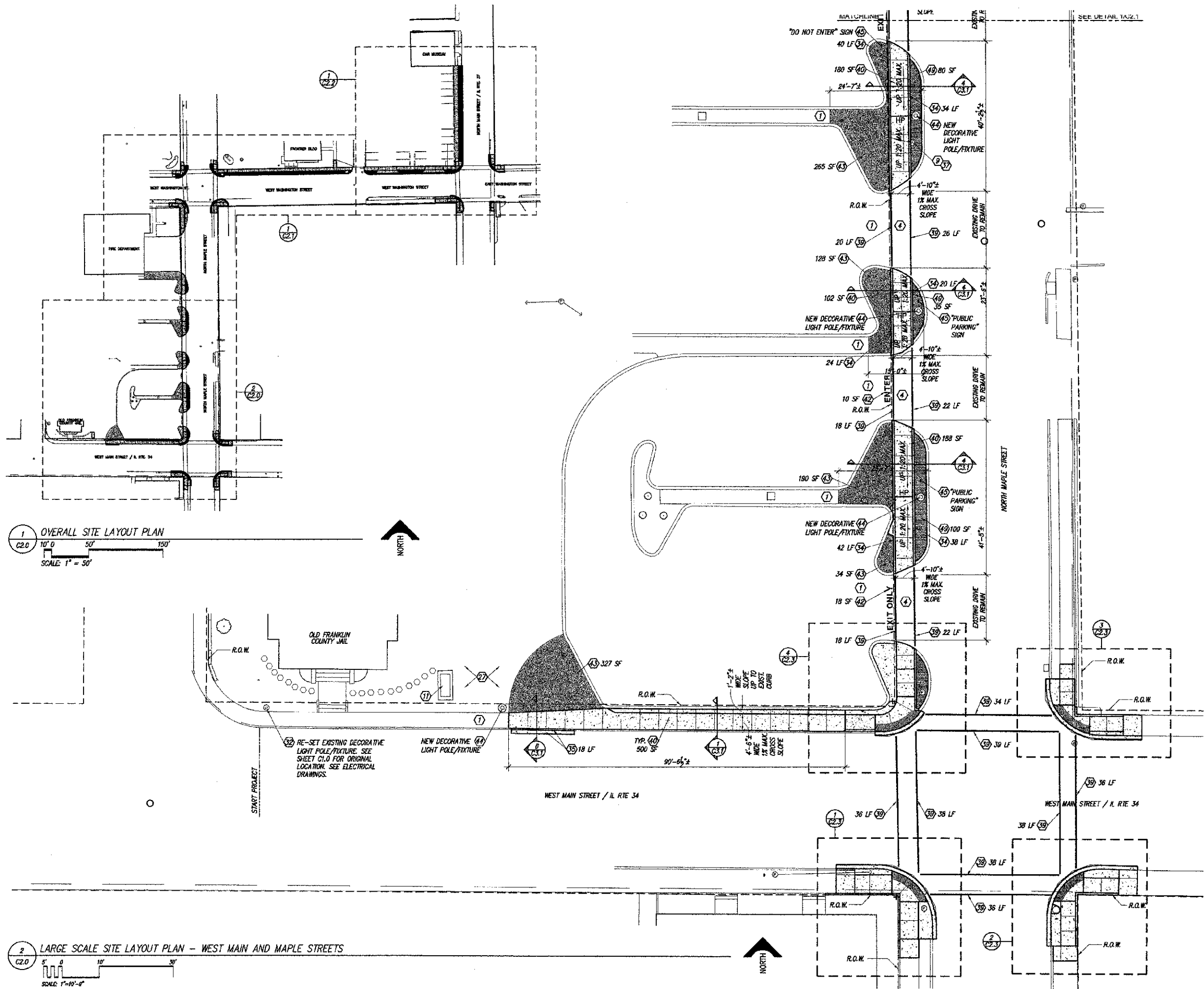
PROJECT: BENTON NEW PEDESTRIAN STREETScape
 LOCATION: Benton, Illinois 62812

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 SERVICE CORPORATION #194.003602



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	5

FEDERAL PROJECT NO. TE-0009(103)
 CONTRACT NO. 99488
 PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN: M.M. APPR: R.G.W.
 REVISIONS
 SHEET NUMBER
C1.2
 OF 11 SHEETS



1 OVERALL SITE LAYOUT PLAN
 C2.0
 SCALE: 1" = 50'

2 LARGE SCALE SITE LAYOUT PLAN - WEST MAIN AND MAPLE STREETS
 C2.0
 SCALE: 1" = 10'-0"

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00051-00-SW	CITY OF BENTON	19	6

FEDERAL PROJECT NO. TE-0009(43)
 CONTRACT NO. 99486

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN BY: [Name]
 REVISIONS: [List]
 APPR. BY: [Name]

SHEET NUMBER
C2.0
 OF 13 SHEETS

ARCHITECTURE • DESIGN • PRESERVATION

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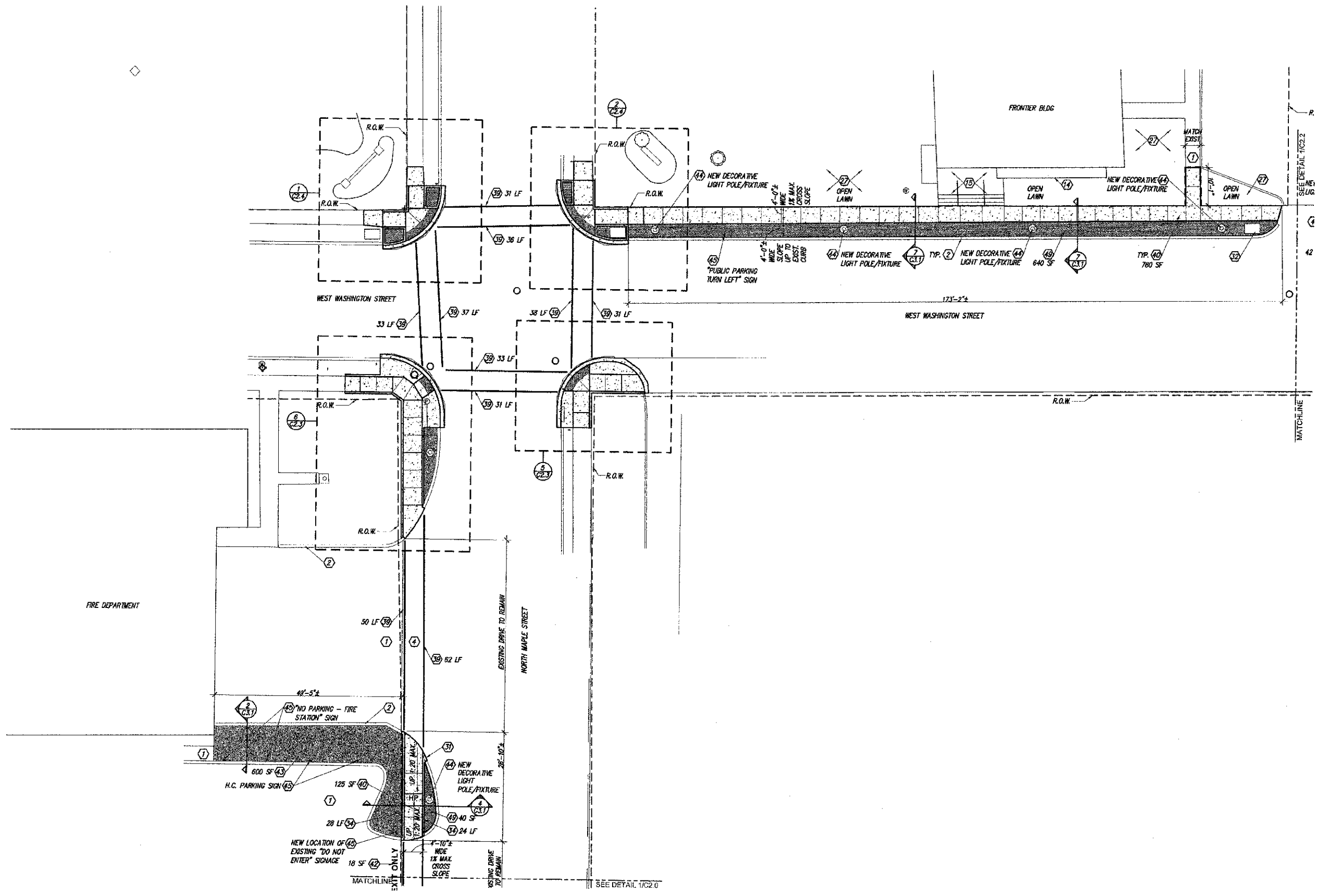
PROJECT: BENTON NEW PEDESTRIAN STREETScape
 LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE LAYOUT PLANS

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1 LARGE SCALE SITE LAYOUT PLAN - MAPLE AND WASHINGTON STREETS
 SCALE 1/8" = 1'-0"



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00081-00-SW	CITY OF BENTON	19	7

FEDERAL PROJECT NO. TE-0009(103)
 CONTRACT NO. 89486

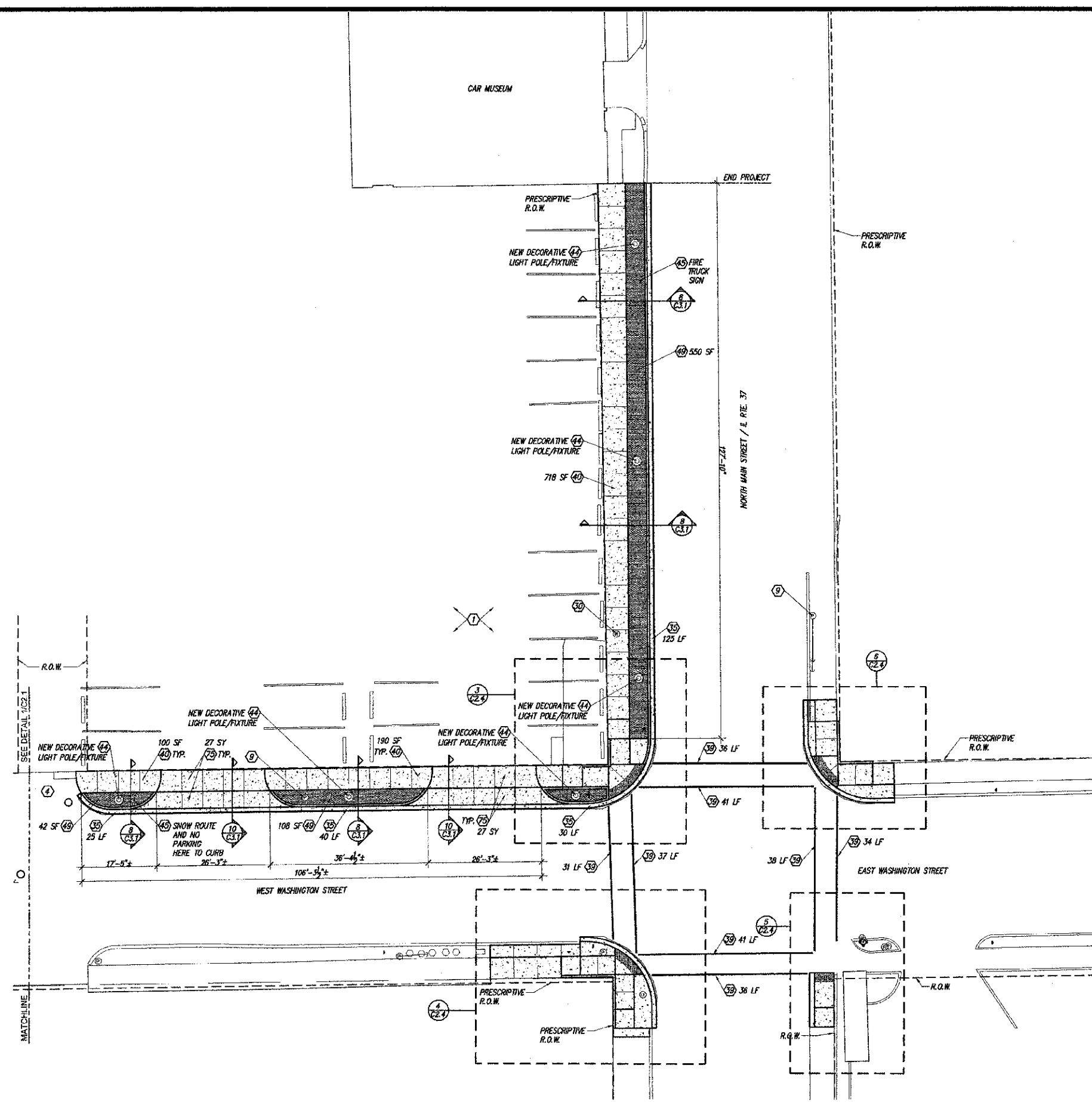
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 Telephone (618) 529-3891
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PROJECT: BENTON NEW PEDESTRIAN STREETScape
LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE LAYOUT PLAN
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PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN MLM APPR. EGW
 REVISIONS _____
C2.1
 SHEET NUMBER



1
C2.2
LARGE SCALE SITE LAYOUT PLAN - WASHINGTON AND NORTH MAIN STREETS
SCALE: 1/16"=1'-0"



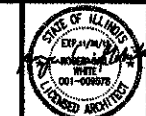
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & I. 37	10-00061-00-SW	CITY OF BENTON	19	8

FEDERAL PROJECT NO. TE-0008(102)
CONTRACT NO. 88486

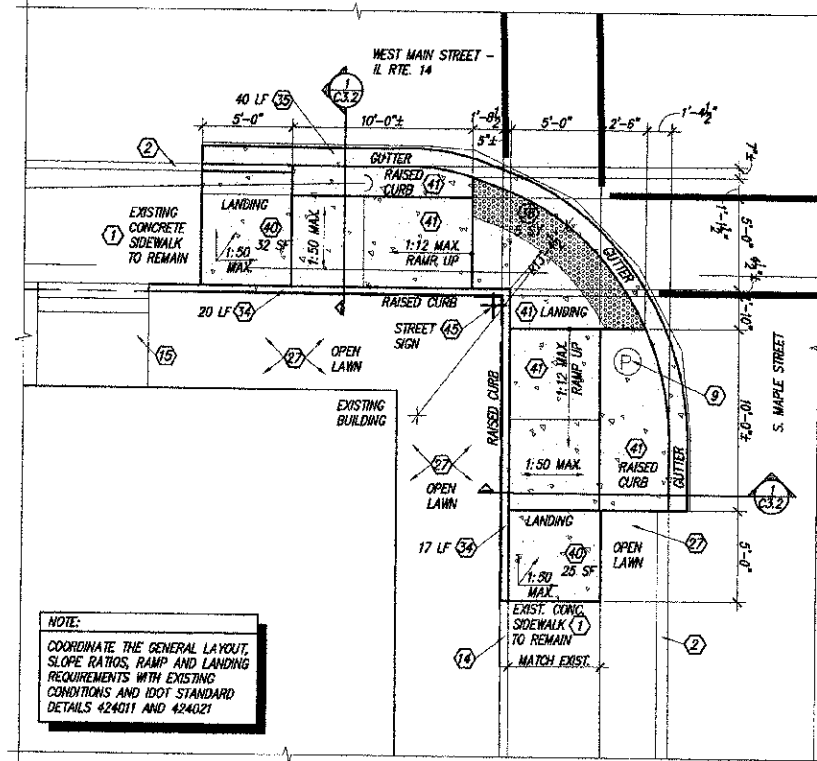
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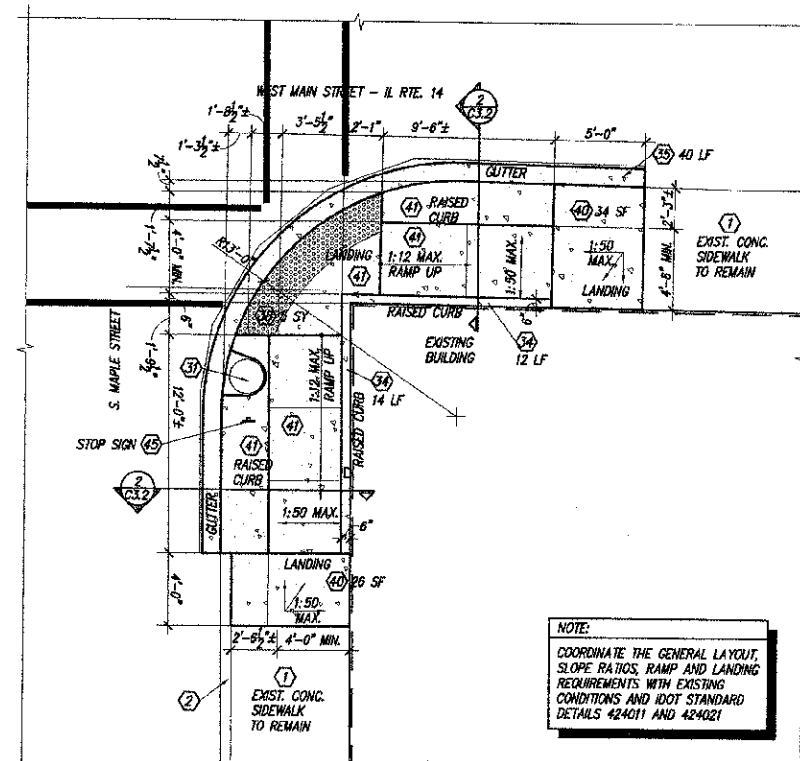
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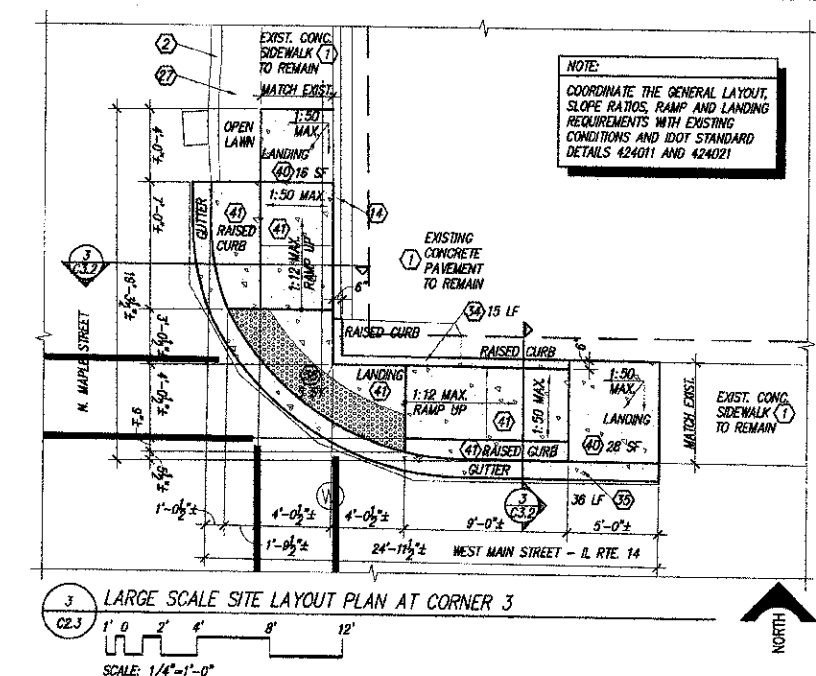
PROJECT NO. 11-10-078
DATE: AUGUST 28, 2012
DRAWN MLM APPR. BGW
REVISIONS _____
C2.2
OF 13 SHEETS



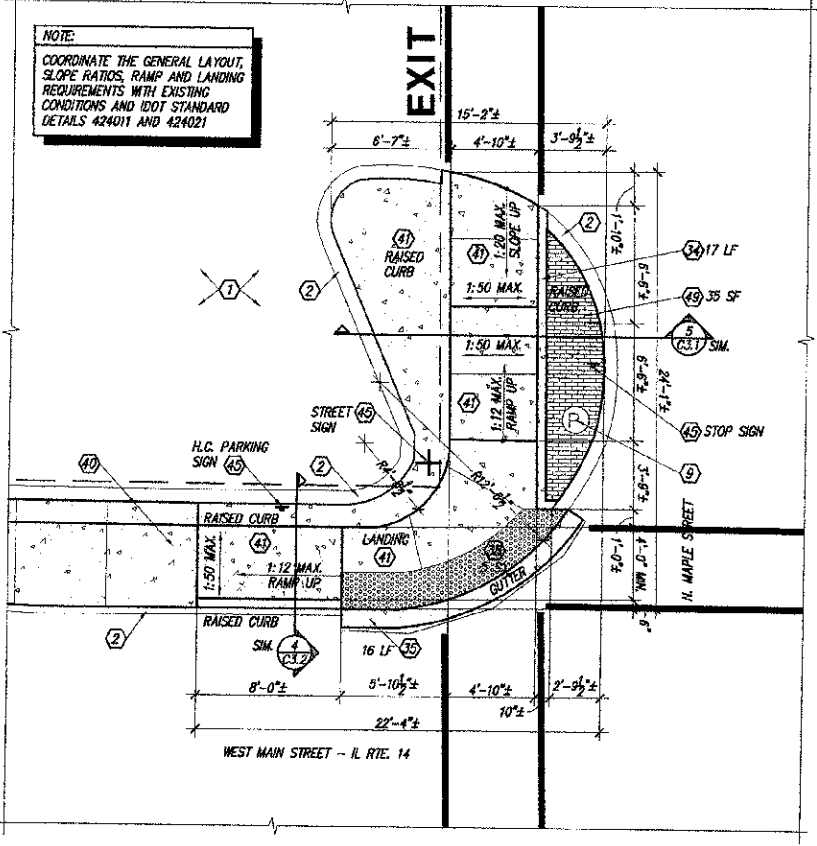
1 LARGE SCALE SITE LAYOUT PLAN AT CORNER 1
 C2.3 1' 0" 2' 4" 8" 12"
 SCALE: 1/4"=1'-0"



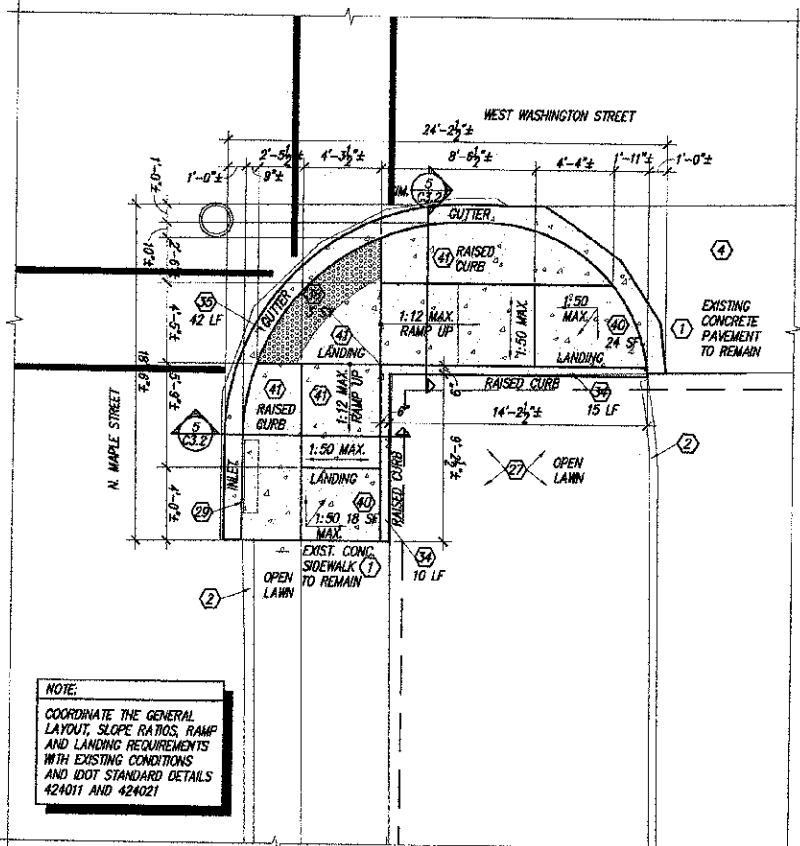
2 LARGE SCALE SITE LAYOUT PLAN AT CORNER 2
 C2.3 1' 0" 2' 4" 8" 12"
 SCALE: 1/4"=1'-0"



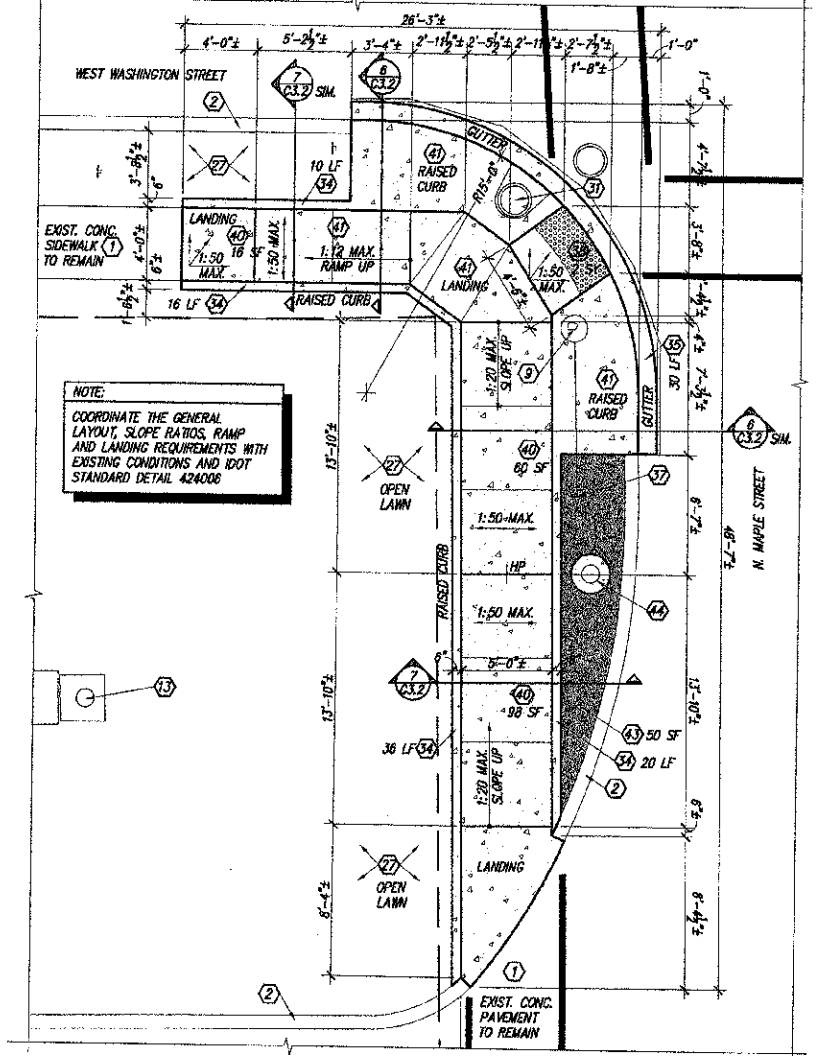
3 LARGE SCALE SITE LAYOUT PLAN AT CORNER 3
 C2.3 1' 0" 2' 4" 8" 12"
 SCALE: 1/4"=1'-0"



4 LARGE SCALE SITE LAYOUT PLAN AT CORNER 4
 C2.3 1' 0" 2' 4" 8" 12"
 SCALE: 1/4"=1'-0"



5 LARGE SCALE SITE LAYOUT PLAN AT CORNER 5
 C2.3 1' 0" 2' 4" 8" 12"
 SCALE: 1/4"=1'-0"



6 LARGE SCALE SITE LAYOUT PLAN AT CORNER 6
 C2.3 1' 0" 2' 4" 8" 12"
 SCALE: 1/4"=1'-0"

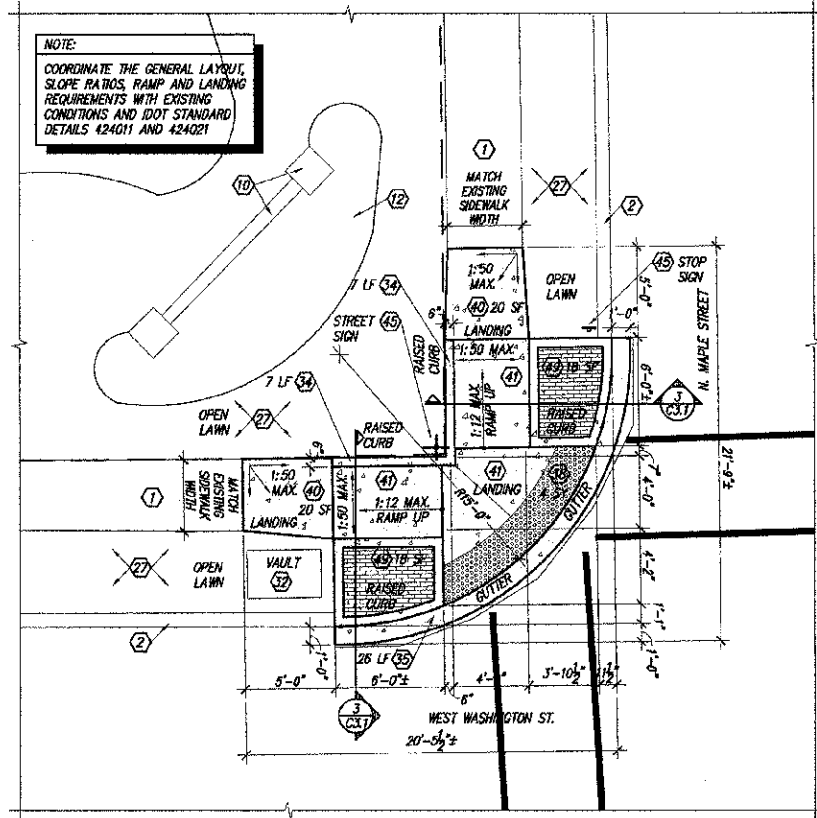


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	9

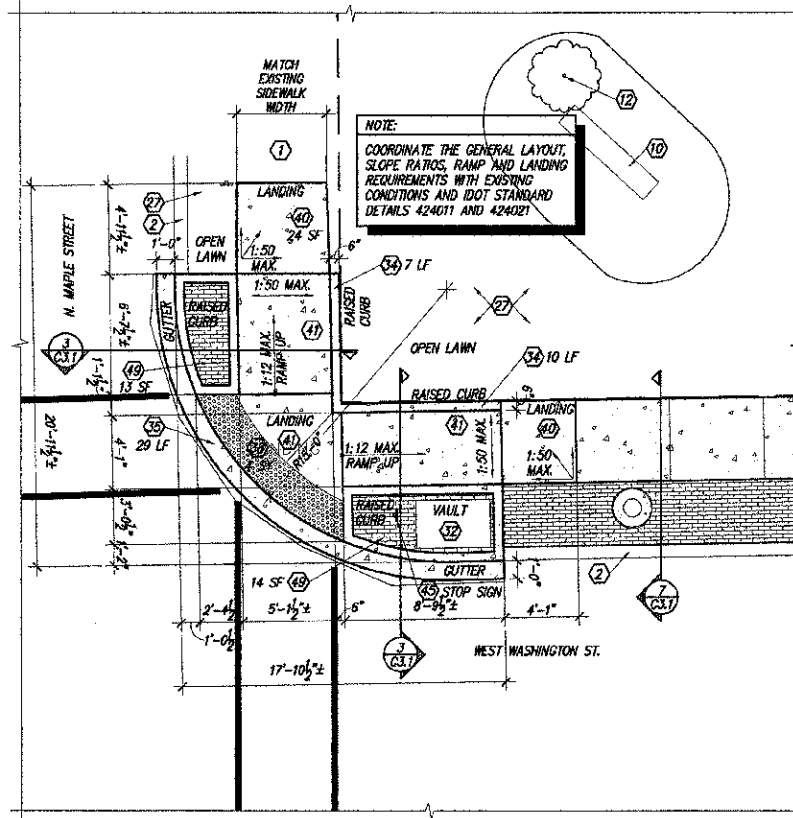
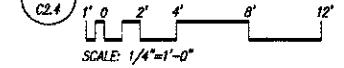
FEDERAL PROJECT NO. TE-0009(103)
 CONTRACT NO. 99488

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN: MLM
 REVISIONS: APPR. BGV

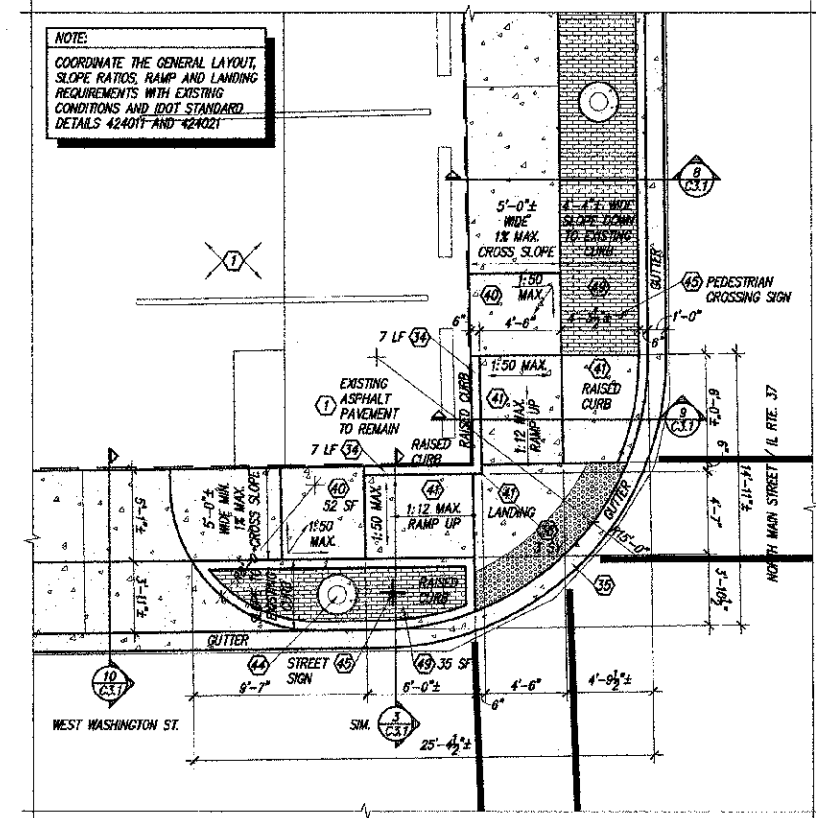
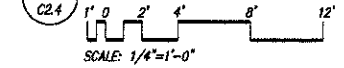
SHEET NUMBER
C2.3



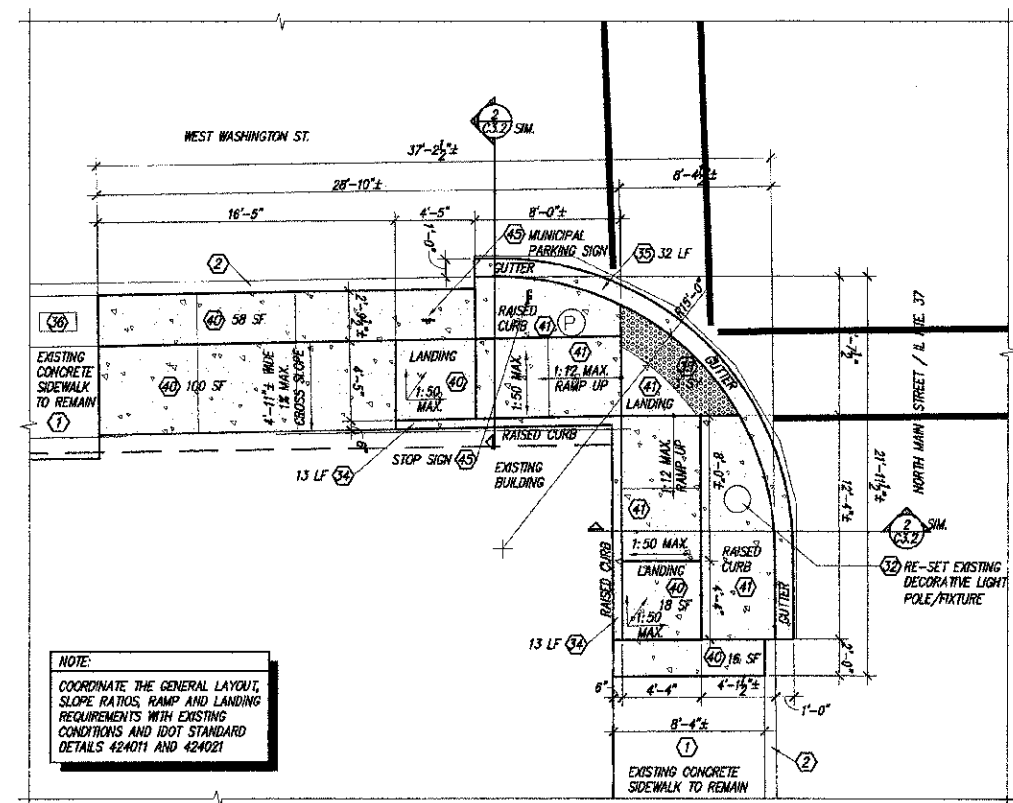
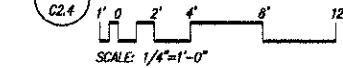
1 LARGE SCALE SITE LAYOUT PLAN AT CORNER 7



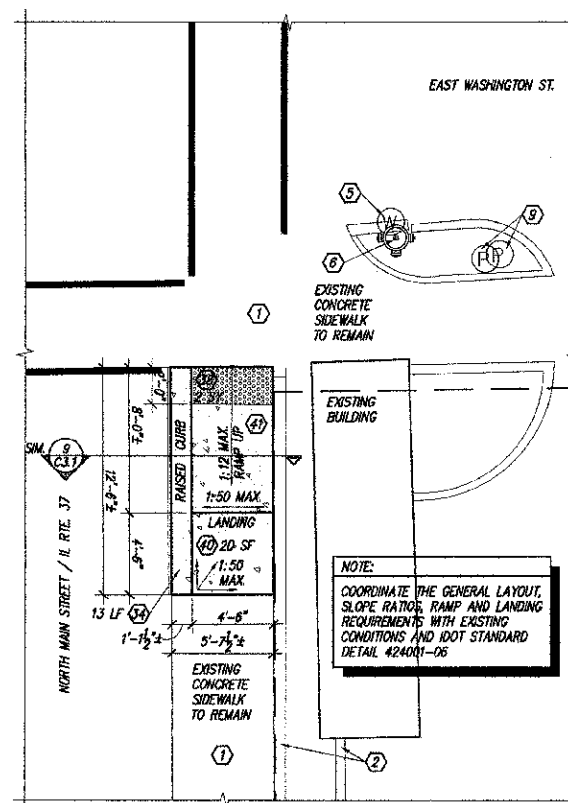
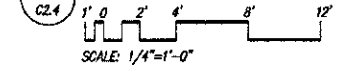
2 LARGE SCALE SITE LAYOUT PLAN AT CORNER 8



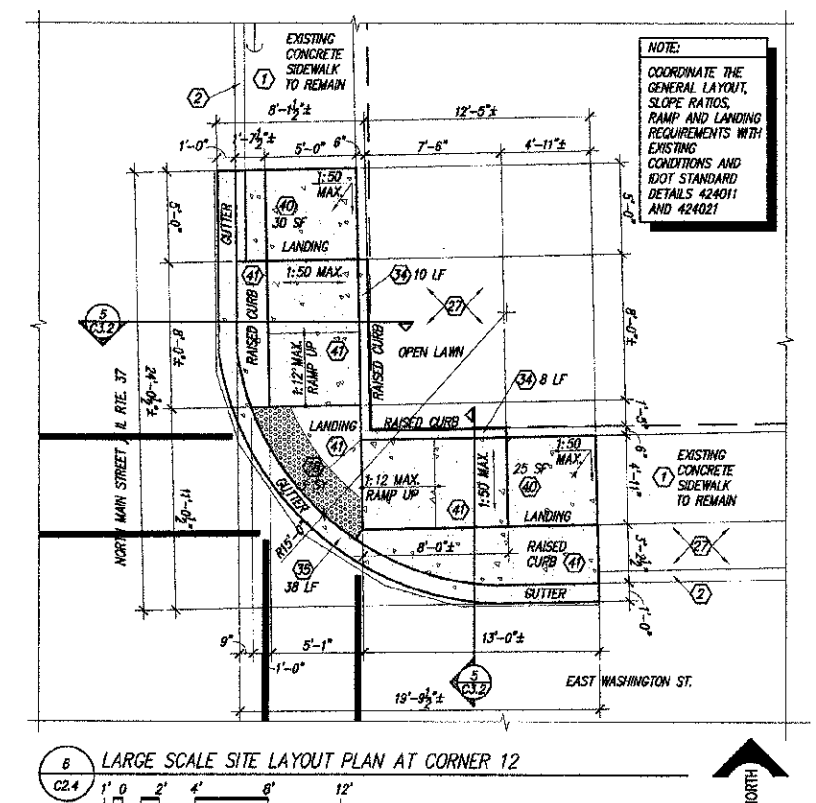
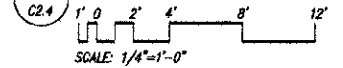
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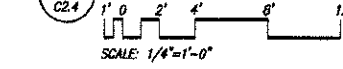
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5 LARGE SCALE SITE LAYOUT PLAN AT CORNER 11



6 LARGE SCALE SITE LAYOUT PLAN AT CORNER 12



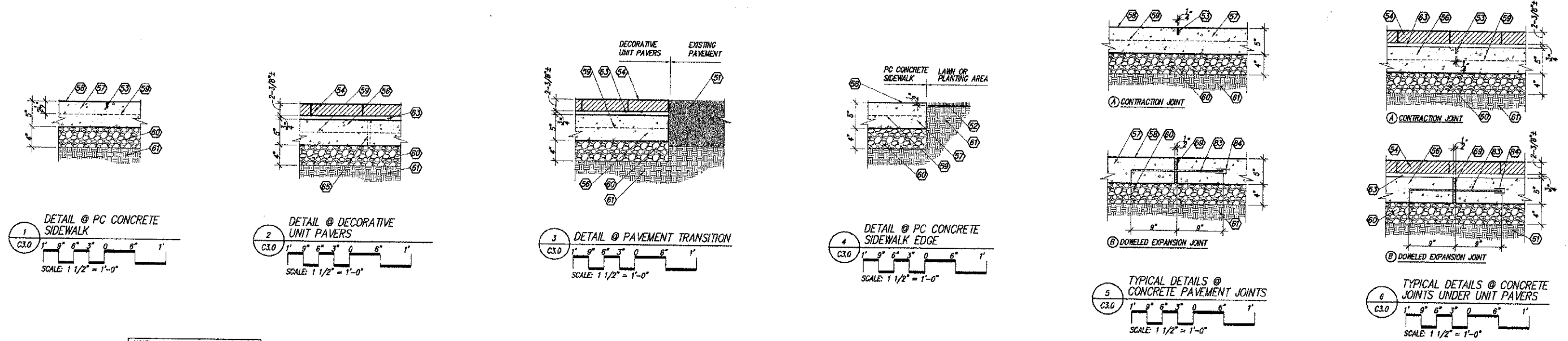
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-CO-SW	CITY OF BENTON	19	10

FEDERAL PROJECT NO. TE-0008(103)
CONTRACT NO. 99486

PROJECT NO. 11-10-078
DATE: AUGUST 28, 2012
DRAWN: JLM
REVISIONS: _____
APPR: EGW

SHEET NUMBER
C2.4
OF 13 SHEETS

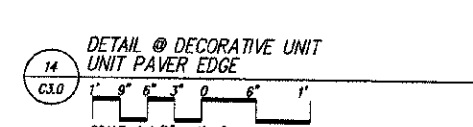
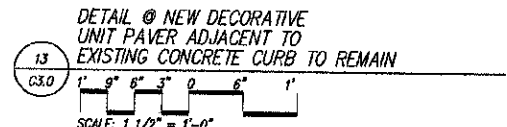
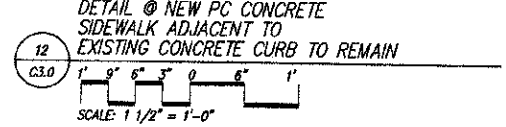
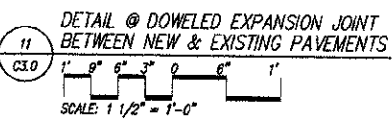
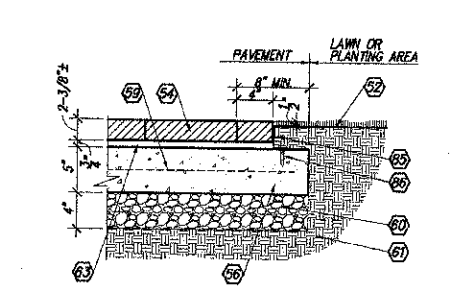
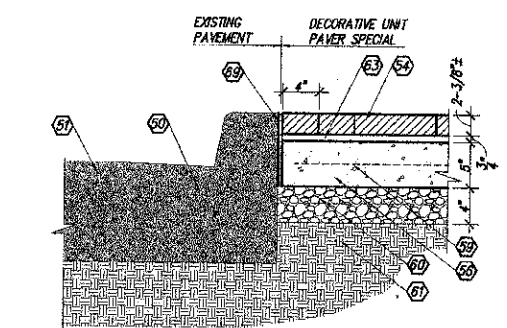
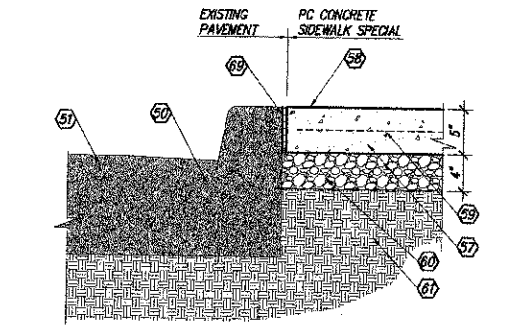
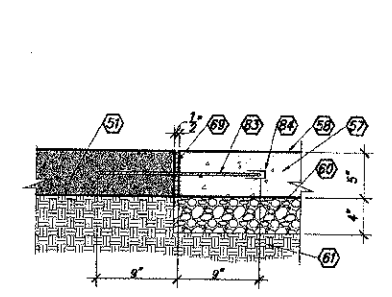
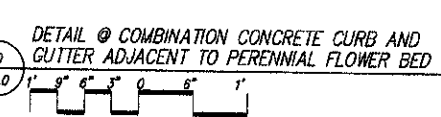
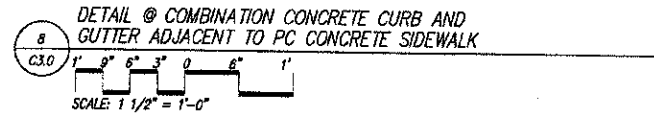
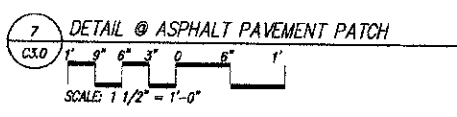
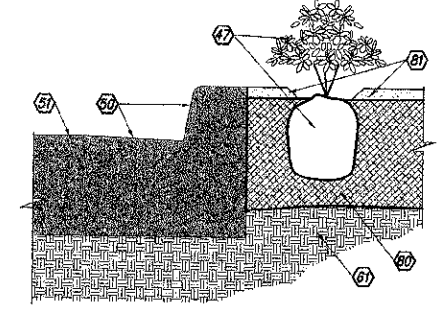
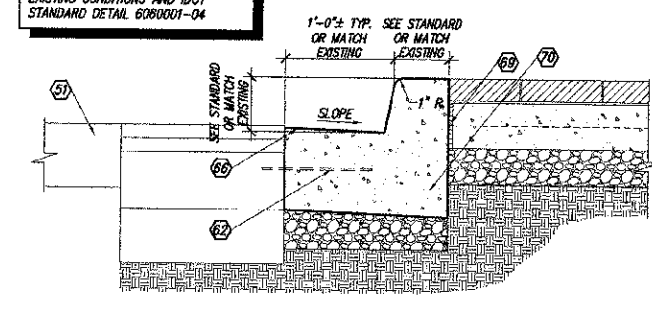
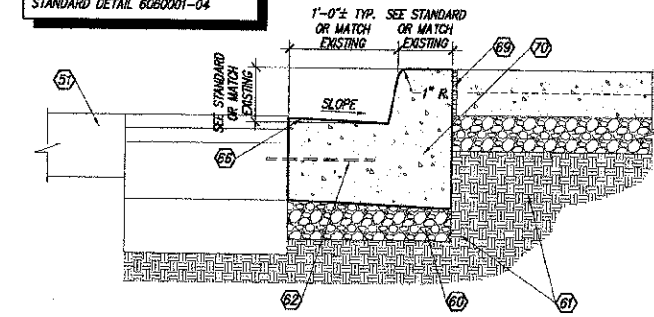
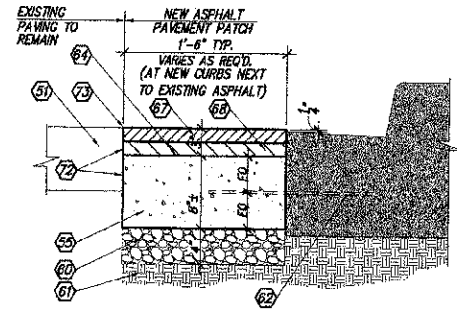




NOTE:
COORDINATE THE LAYOUT, DIMENSIONS AND GENERAL REQUIREMENTS WITH EXISTING CONDITIONS AND IDOT STANDARD DETAIL 6060001-04

NOTE:
COORDINATE THE LAYOUT, DIMENSIONS AND GENERAL REQUIREMENTS WITH EXISTING CONDITIONS AND IDOT STANDARD DETAIL 6060001-04

NOTE:
COORDINATE THE LAYOUT, DIMENSIONS AND GENERAL REQUIREMENTS WITH EXISTING CONDITIONS AND IDOT STANDARD DETAIL 6060001-04

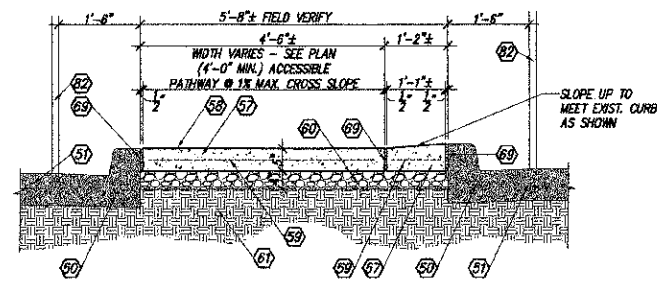


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	11

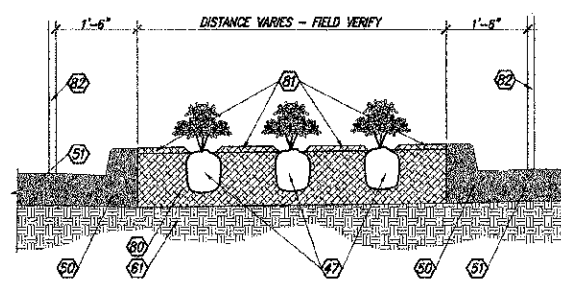
FEDERAL PROJECT NO. TE-0008(103)
CONTRACT NO. 98488

PROJECT NO. 11-10-078	DATE: AUGUST 28, 2012	DRAWN: J.M.W.	APPR: R.G.W.	SHEET NUMBER
REVISIONS				C3.0

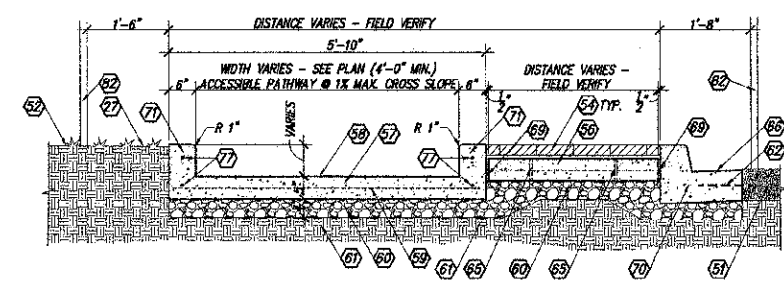
OF 13 SHEETS



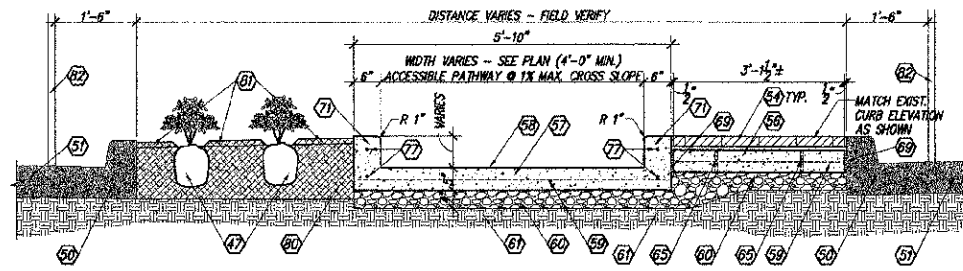
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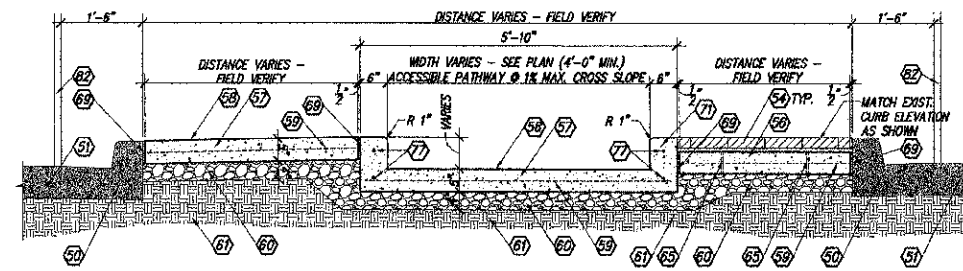
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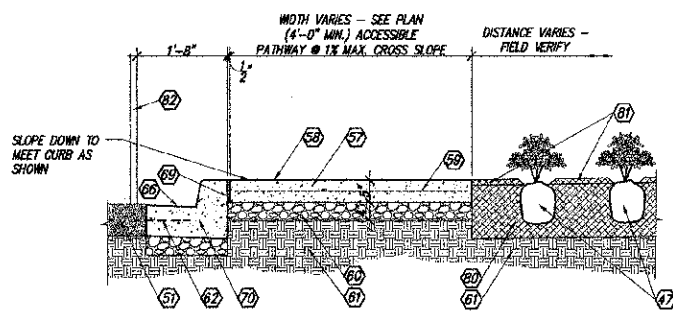
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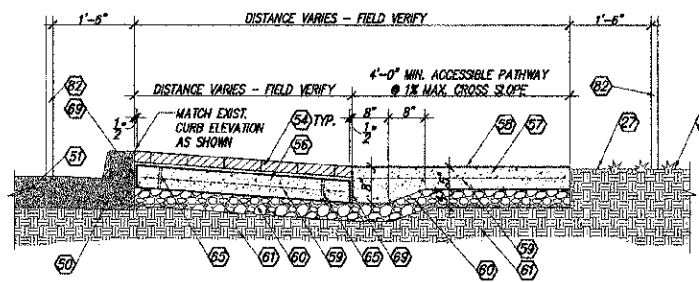
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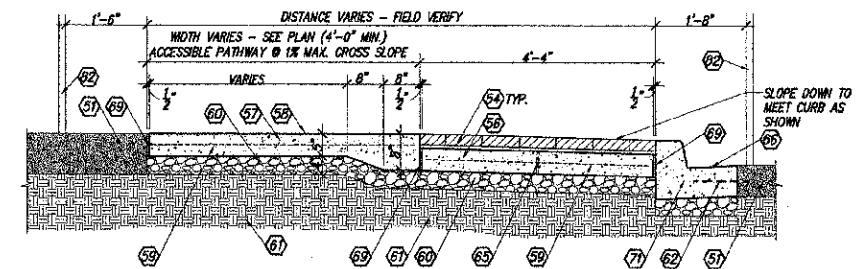
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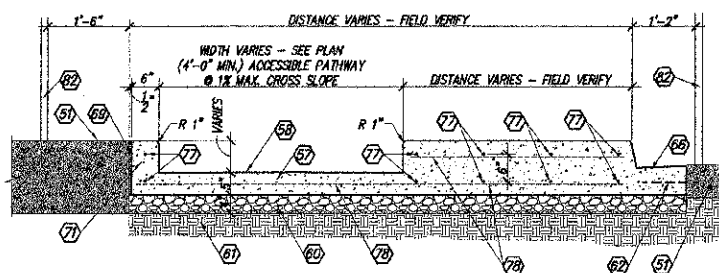
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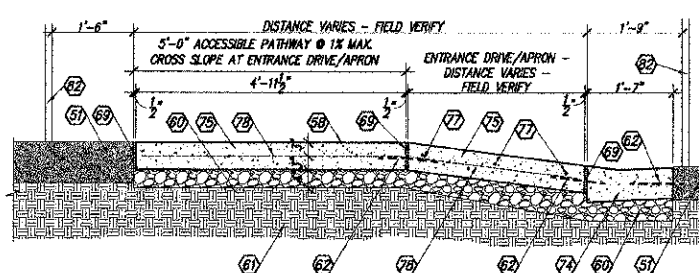
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8 SECTION THRU NEW STREETSCAPE IMPROVEMENTS
 C3.1 1' 6\"/>



9 SECTION THRU NEW STREETSCAPE IMPROVEMENTS
 C3.1 1' 6\"/>



10 SECTION THRU NEW STREETSCAPE IMPROVEMENTS
 C3.1 1' 6\"/>

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00081-00-SW	CITY OF BENTON	19	12

FEDERAL PROJECT NO. TE-0008(103)
 CONTRACT NO. 99486

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN: MLW
 REVISIONS: _____
 APPR: RGW

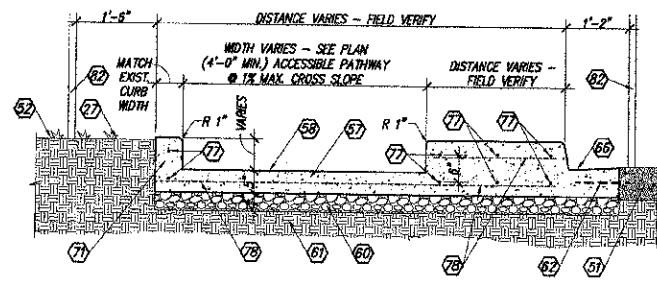
C3.1
 OF 17 SHEETS

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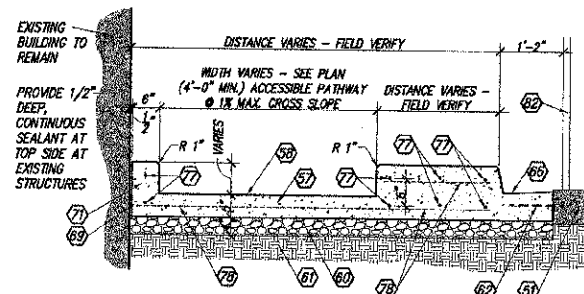
PROJECT: BENTON NEW PEDESTRIAN STREETSCAPE
LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE DETAILS
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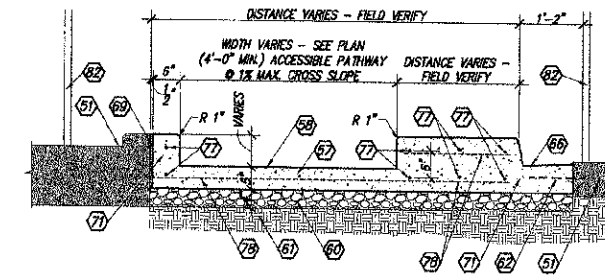




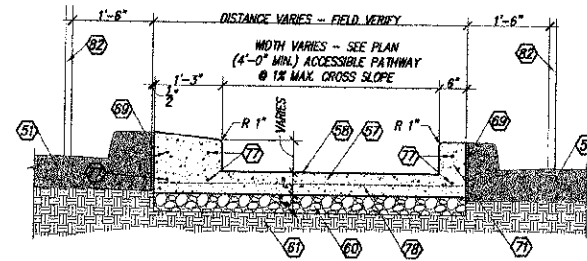
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 SCALE: 3/4" = 1'-0"



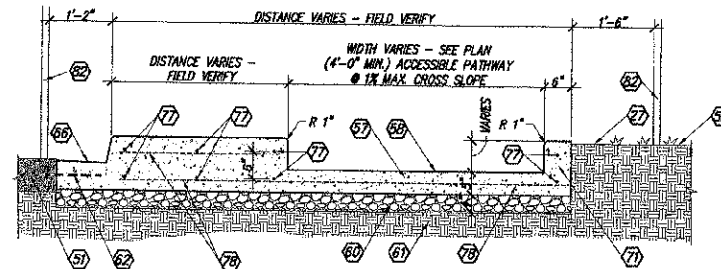
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 SCALE: 3/4" = 1'-0"



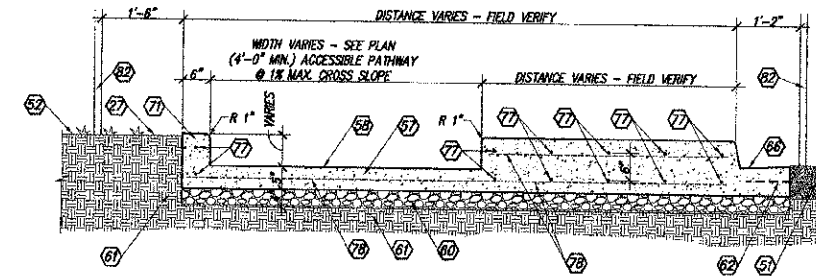
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 SCALE: 3/4" = 1'-0"



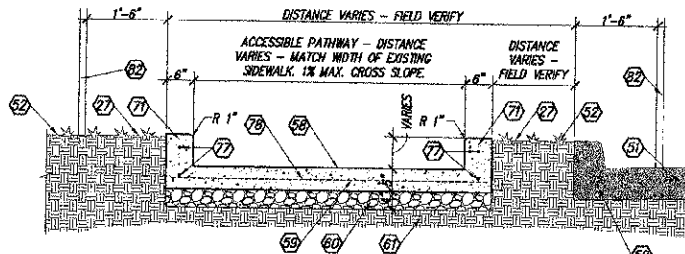
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 C3.2
 SCALE: 3/4" = 1'-0"



5 SECTION THRU NEW STREETSCAPE IMPROVEMENTS
 C3.2
 SCALE: 3/4" = 1'-0"



6 SECTION THRU NEW STREETSCAPE IMPROVEMENTS
 C3.2
 SCALE: 3/4" = 1'-0"



7 SECTION THRU NEW STREETSCAPE IMPROVEMENTS
 C3.2
 SCALE: 3/4" = 1'-0"

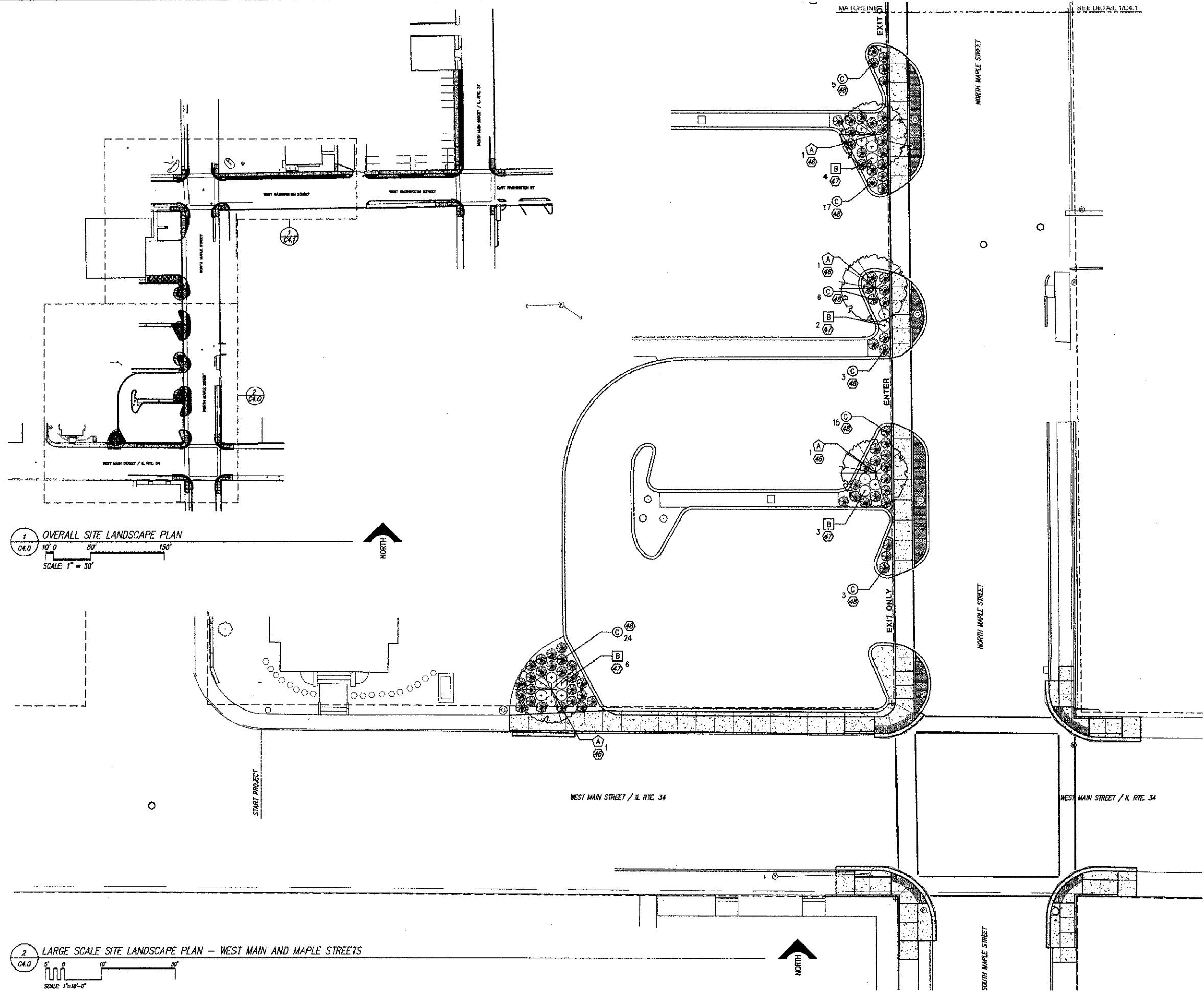


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	13

FEDERAL PROJECT NO. TE-0008(1sg)
 CONTRACT NO. 99486

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN: MLW
 APPR: RGW

SHEET NUMBER
C3.2



1 OVERALL SITE LANDSCAPE PLAN
 C4.0
 10' 0" 50' 150'
 SCALE: 1" = 50'

2 LARGE SCALE SITE LANDSCAPE PLAN - WEST MAIN AND MAPLE STREETS
 C4.0
 5' 10' 30'
 SCALE: 1" = 10'-0"

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	14

FEDERAL PROJECT NO. TE-0009(103)
 CONTRACT NO. 89486

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN *MJM* APPR. *EGW*
 REVISIONS _____

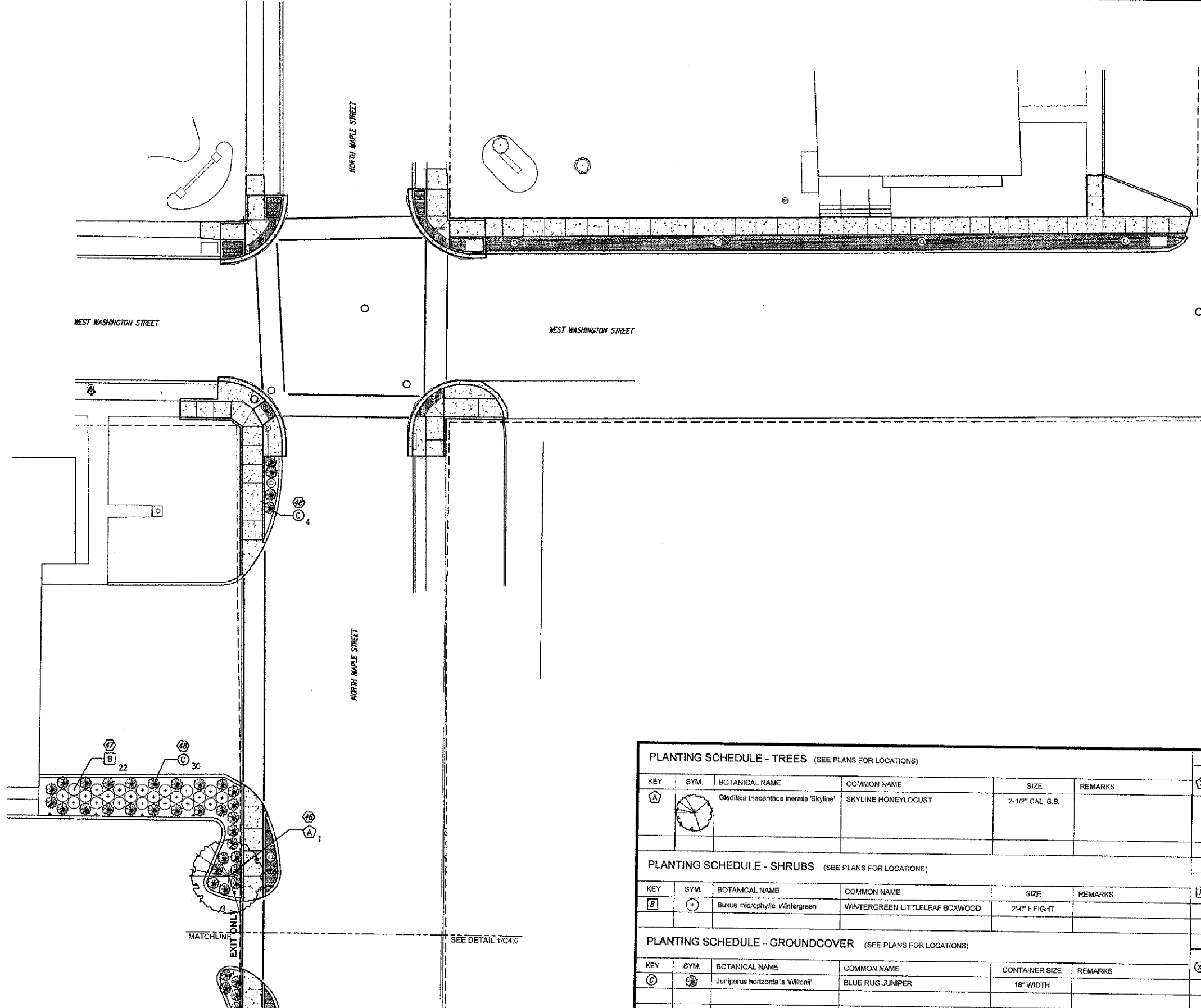
C4.0
 OF 13 SHEETS

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 ARCHITECTURE DESIGN PRESERVATION
 212 North Illinois Avenue
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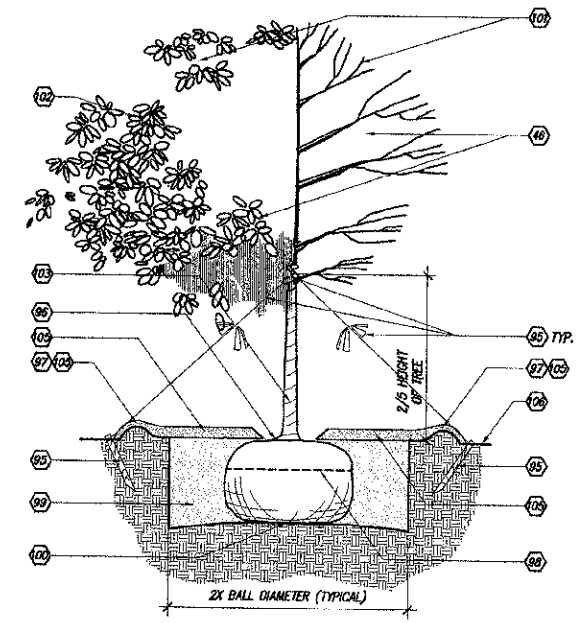
PROJECT: BENTON NEW PEDESTRIAN STREETScape
 LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE LANDSCAPE PLANS
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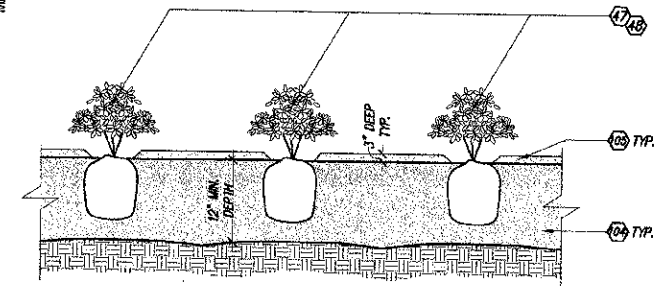




1 LARGE SCALE SITE LANDSCAPE PLAN - MAPLE AND WASHINGTON STREETS
 CA.1
 SCALE 1"=10'-0"



2 TYPICAL STREET TREE PLANTING & CUYING DETAIL
 CA.1 NOT TO SCALE



3 TYPICAL SHRUB PLANTING DETAIL
 CA.1 NOT TO SCALE

PLANTING SCHEDULE - TREES (SEE PLANS FOR LOCATIONS)						QUANTITY
KEY	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	PLANT KEY X → QUANTITY
A		Gleditsia triacanthos inermis 'Skyline'	SKYLINE HONEYLOCUST	2-1/2" CAL. B.B.		5 Total
PLANTING SCHEDULE - SHRUBS (SEE PLANS FOR LOCATIONS)						QUANTITY
KEY	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	PLANT KEY X → QUANTITY
B		Buxus microphylla 'Wintergreen'	WINTERGREEN LITTLELEAF BOXWOOD	2'-0" HEIGHT		97 Total
PLANTING SCHEDULE - GROUNDCOVER (SEE PLANS FOR LOCATIONS)						QUANTITY
KEY	SYM.	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	REMARKS	PLANT KEY X → QUANTITY
C		Juniperus horizontalis 'Wiltonii'	BLUE RUG JUNIPER	16" WIDTH		107 Total

GENERAL PLANTING NOTES (APPLY TO THIS SHEET ONLY)

- DO NOT DAMAGE MAIN ROOTS OF PLANT MATERIALS OR DESTROY ROOT BALL WHEN INSTALLING STAKING MATERIALS - TYPICAL.
- WATER ALL NEW PLANT MATERIALS THOROUGHLY SUBSEQUENT TO INSTALLATION - TYPICAL.
- REMOVE STAKES, WIRE AND RUBBER HOSE MATERIALS AT THE END OF THE GUARANTEE PERIOD - TYPICAL.
- ALL NEW GROUND COVER, ORNAMENTAL GRASSES, SEASONAL COLOR AND FLOWERS SHALL BE CONTAINER GROWN - TYPICAL.
- SPACING OF ALL GROUND COVER, SEASONAL COLOR AND FLOWERS SHALL BE 12" O.C. BOTH WAYS - UNLESS NOTED OTHERWISE - TYPICAL.
- ALL DISTURBED NON-BUILDING AREAS OTHER THAN PLANTING BEDS, SHALL BE GRADED AND SEEDED - TYPICAL.
- REMOVE AND LEGALLY DISPOSE OF ALL DEBRIS CREATED BY WORK.
- COORDINATE ALL ARCHITECTURAL SITE WORK AND PLANTING WORK REQUIRED BY THIS SHEET WITH ALL OTHER DRAWING SHEETS, ALL SITE WORK REQUIREMENTS AND ALL EXISTING CONDITIONS - TYPICAL.

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	15

FEDERAL PROJECT NO. TE-0009(103)
 CONTRACT NO. 08486

PROJECT NO. 11-10-078
 DATE: AUGUST 28, 2012
 DRAWN: JLM
 REVISIONS: _____ APPR: BGW

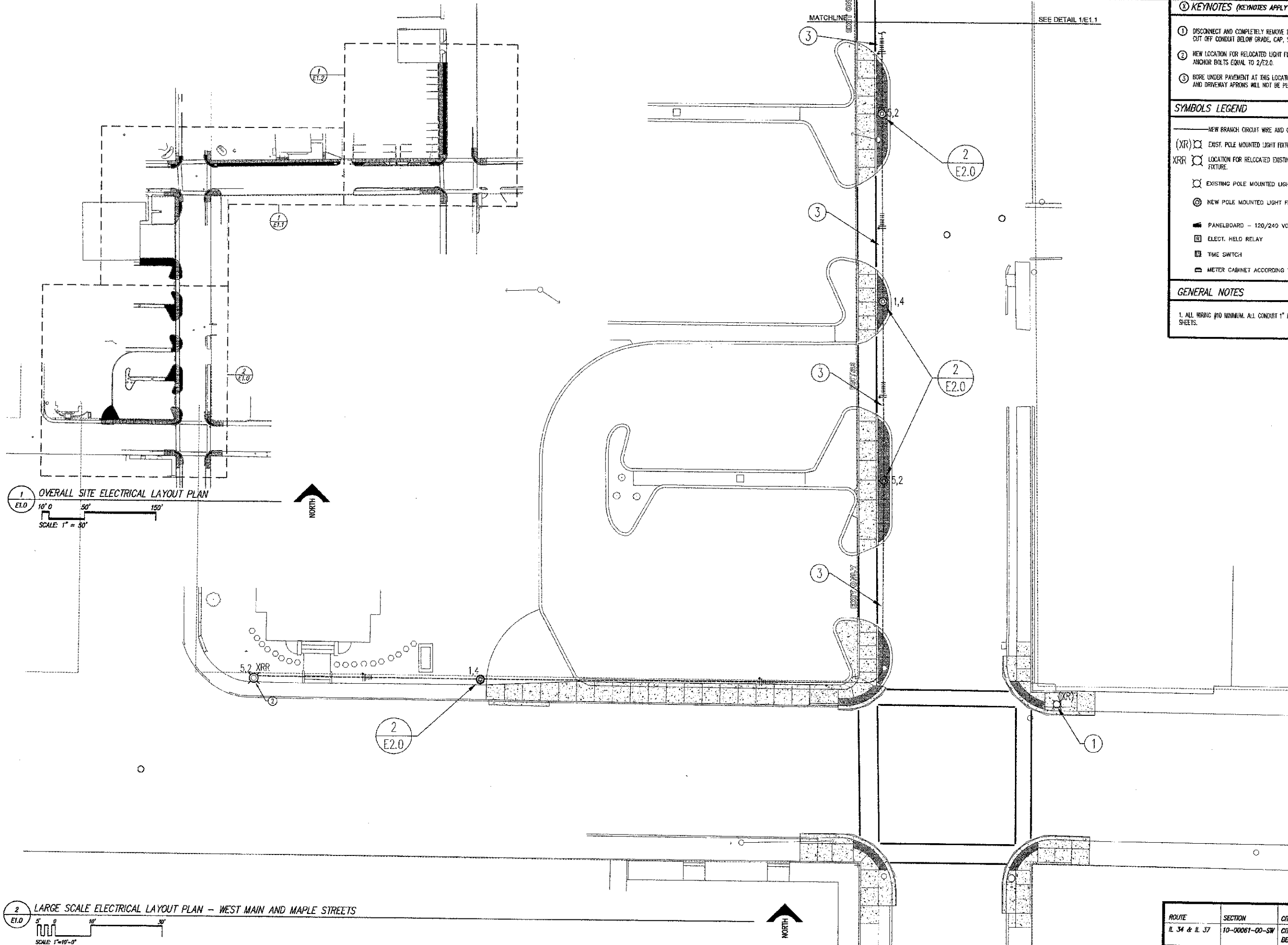
SHEET NUMBER
C4.1

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PROJECT: BENTON NEW PEDESTRIAN STREETScape
 LOCATION: Benton, Illinois 62812

SHEET TITLE: SITE LANDSCAPE PLAN
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1 OVERALL SITE ELECTRICAL LAYOUT PLAN
 E1.0
 10' 0" 30' 150'
 SCALE: 1" = 50'

2 LARGE SCALE ELECTRICAL LAYOUT PLAN - WEST MAIN AND MAPLE STREETS
 E1.0
 5' 10' 30'
 SCALE: 1" = 10'-0"

- KEYNOTES (KEYNOTES APPLY TO THIS SHEET ONLY)
- DISCONNECT AND COMPLETELY REMOVE EXISTING LIGHT FIXTURE TO BE RELOCATED. CUT OFF CONDUIT BELOW GRADE, CAP, SEAL, AND ABANDON IN PLACE.
 - NEW LOCATION FOR RELOCATED LIGHT FIXTURE. PROVIDE CONCRETE BASE AND ANCHOR BOLTS EQUAL TO 2/E2.0.
 - BORE UNDER PAVEMENT AT THIS LOCATION. SAWCUTTING AND PATCHING ROADWAYS AND DRIVEWAY APRONS WILL NOT BE PERMITTED.
- SYMBOLS LEGEND
- NEW BRANCH CIRCUIT WIRE AND CONDUIT.
 - (XRF) EXIST. POLE MOUNTED LIGHT FIXTURE TO BE RELOCATED
 - XRR LOCATION FOR RELOCATED EXISTING POLE MOUNTED LIGHT FIXTURE.
 - EXISTING POLE MOUNTED LIGHT FIXTURE TO BE REMOVED.
 - NEW POLE MOUNTED LIGHT FIXTURE SEE 2/E2.0
 - PANELBOARD - 120/240 VOLT
 - ELECT. HOLD RELAY
 - TIME SWITCH
 - METER CABINET ACCORDING TO AMEREN-IL'S METER STANDARD
- GENERAL NOTES
- ALL WIRING #10 MINIMUM. ALL CONDUIT 1" MINIMUM, SCH. 40 PVC, TYPICAL ALL SHEETS.

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	16

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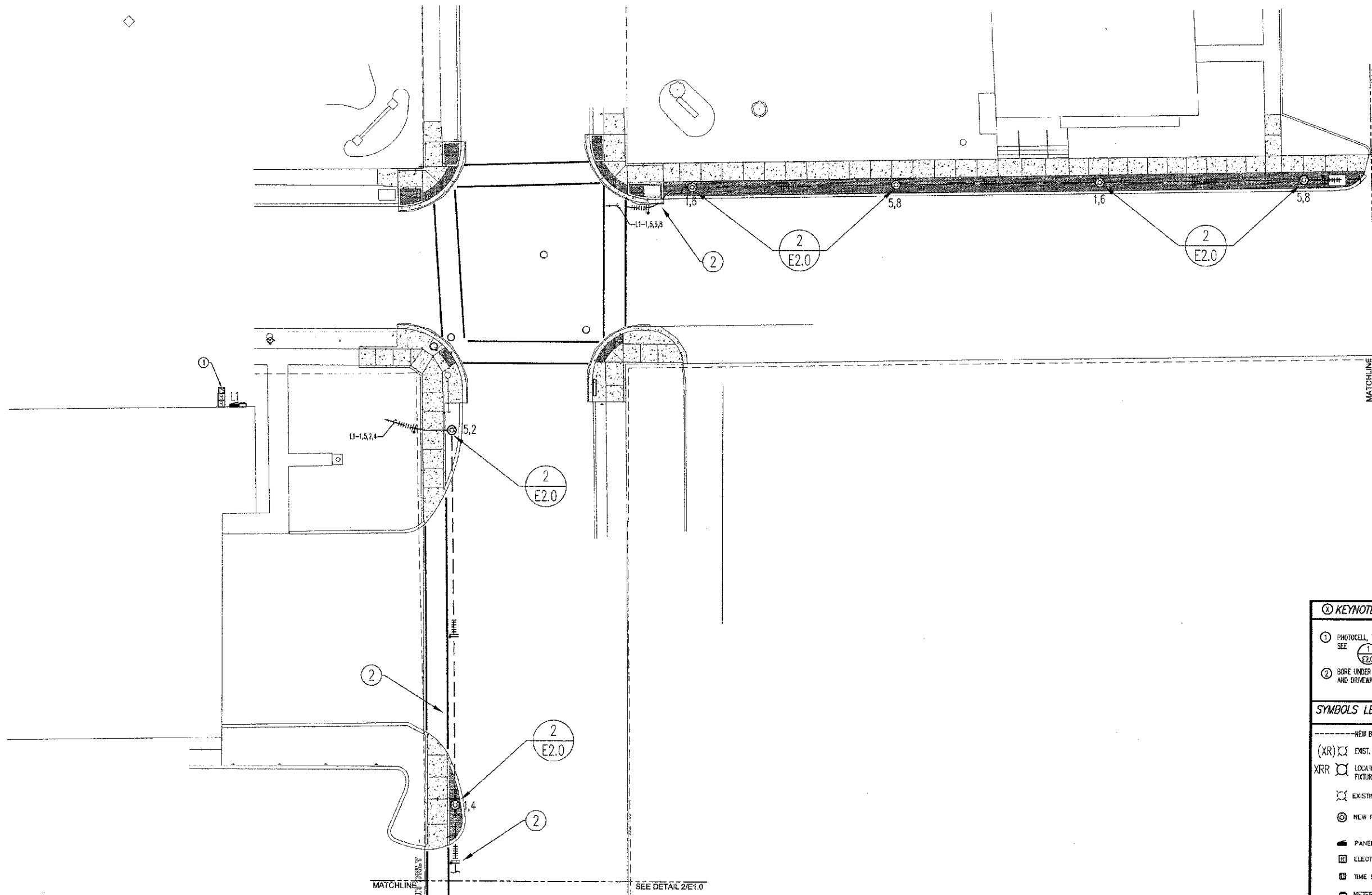
PROJECT: BENTON NEW PEDESTRIAN STREETSCAPE
LOCATION: Benton, Illinois 62612

SHEET TITLE: ELECTRICAL LAYOUT PLAN
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CONTRACT NO. 4998
PROJECT NO. 11-10-078
 DATE: August 28, 2012
 DRAWN BY: APPR. LDH
 REVISIONS

SHEET NUMBER
E1.0
 OF 19 SHEETS



KEYNOTES (KEYNOTES APPLY TO THIS SHEET ONLY)

- 1 PHOTOCELL, TIME SWITCH, INTERVAL TIMER, AND RELAYS FOR LIGHTING CIRCUITS. SEE
- 2 BORE UNDER PAVEMENT AT THIS LOCATION. SAWCUTTING AND PATCHING ROADWAYS AND DRIVEWAY APRONS WILL NOT BE PERMITTED.

SYMBOLS LEGEND

- NEW BRANCH CIRCUIT WIRE AND CONDUIT.
- (XR) EXIST. POLE MOUNTED LIGHT FIXTURE TO BE RELOCATED
- XRR LOCATION FOR RELOCATED EXISTING POLE MOUNTED LIGHT FIXTURE.
- EXISTING POLE MOUNTED LIGHT FIXTURE TO BE REMOVED.
- NEW POLE MOUNTED LIGHT FIXTURE SEE
- PANELBOARD - 120/240 VOLT
- ELECT. HELD RELAY
- TIME SWITCH
- METER CABINET ACCORDING TO AMEREN-IL'S METER STANDARD

GENERAL NOTES

1. ALL WIRING #10 MINIMUM. ALL CONDUIT 1" MINIMUM, SCH. 40 PVC, TYPICAL. ALL SHEETS.

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	17

JOB NUMBER C-98-506-11
CONTRACT NO. 99186

1 LARGE SCALE ELECTRICAL LAYOUT PLAN - MAPLE AND WASHINGTON STREETS
E1.1
SCALE 1"=10'-0"

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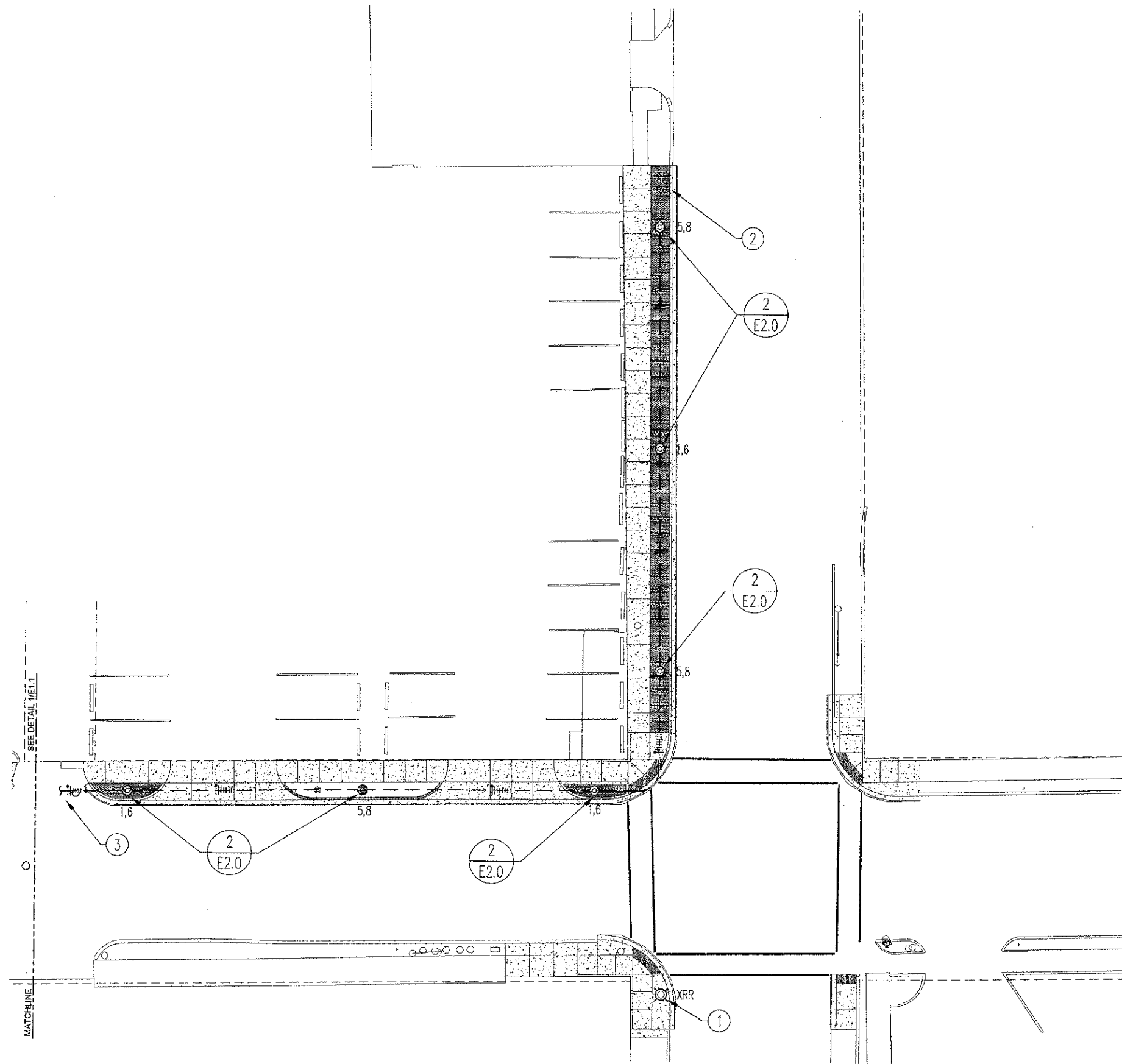
PROJECT: BENTON NEW PEDESTRIAN STREETScape
LOCATION: Benton, Illinois 62812

SHEET TITLE: ELECTRICAL LAYOUT PLAN
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PROJECT NO. 11-10-078
DATE: August 28, 2012
DRAWN BY: APPR. LDH.
REVISIONS:

SHEET NUMBER
E1.1
OF 19 SHEETS



- KEYNOTES (KEYNOTES APPLY TO THIS SHEET ONLY)**
- 1 EXISTING POLE MOUNTED LIGHT FIXTURE TO REMAIN. DISCONNECT AND TEMPORARILY REMOVE FOR INSTALLATION OF NEW CURBING. REINSTALL AND RECONNECT TO EXISTING BRANCH CIRCUIT WIRING AFTER CURBING HAS BEEN INSTALLED. PROVIDE CONCRETE BASE AND ANCHOR BOLTS EQUAL TO 2/E2.0.
 - 2 DISCONNECT AND COMPLETELY REMOVE EXISTING LIGHT FIXTURE POLE, MOUNTED LIGHT FIXTURE, AND OVERHEAD FEEDERS.
 - 3 BORE UNDER PAVEMENT AT THIS LOCATION. SAWCUTTING AND PATCHING ROADWAYS AND DRIVEWAY APPROXNS WILL NOT BE PERMITTED.
- SYMBOLS LEGEND**
- NEW BRANCH CIRCUIT WIRE AND CONDUIT.
 - (XR) EXIST. POLE MOUNTED LIGHT FIXTURE TO BE RELOCATED
 - XRR LOCATION FOR RELOCATED EXISTING POLE MOUNTED LIGHT FIXTURE.
 - ☒ EXISTING POLE MOUNTED LIGHT FIXTURE TO BE REMOVED.
 - ⊙ NEW POLE MOUNTED LIGHT FIXTURE SEE 2/E2.0
 - PANELBOARD - 120/240 VOLT
 - ⊞ ELECT. HELD RELAY
 - ⊞ TIME SWITCH
 - METER CABINET ACCORDING TO AMEREN-IL'S METER STANDARD
- GENERAL NOTES**
1. ALL WIRING #10 MINIMUM. ALL CONDUIT 1" MINIMUM, SCH. 40 PVC, TYPICAL ALL SHEETS.

1 LARGE SCALE ELECTRICAL LAYOUT PLAN - WASHINGTON AND NORTH MAIN STREETS
 E1.2
 SCALE: 1"=10'-0"

McCOY AND HOWARD - CONSULTING ENGINEERS INC.
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184 - 001152
 P.O. BOX 581 MT. VERNON, ILLINOIS 62884 PHONE 618/242-0473

PROJECT: BENTON NEW PEDESTRIAN STREETSCAPE
LOCATION: Benton, Illinois 62812

SHEET TITLE: ELECTRICAL LAYOUT PLAN
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ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	18

JOB NUMBER C-99-506-11
 CONTRACT NO. 17456

PROJECT NO. 11-10-078	SHEET NUMBER
DATE: August 28, 2012	E12
DRAWN I.G.	OF 19 SHEETS
REVISIONS	
APPR. LDH	

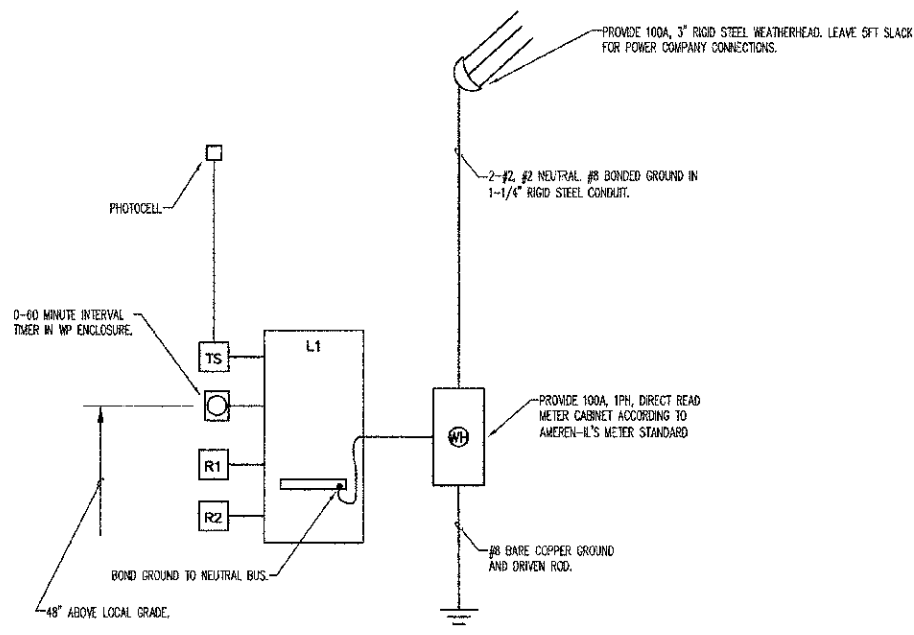
PANEL L1 SCHEDULE VOLT: 120/240 PHASE: 1 WIRE: 3 RATING: 100A MAIN BKR.										
MOUNTING: SURFACE INTERRUPTING RATING: 10000 AIC LOCATION: FIRE DEPT.										
LOAD DESCRIPTION	WATTS	P	AMP	CKT	PH	CKT	AMP	P	WATTS	LOAD DESCRIPTION
DECORATIVE POLE LIGHTS	1260	2	20	1	A	2	20	2	720	POLE RECEPTACLES N MAPLE, W MAIN
				3	B	4			540	POLE RECEPTACLES N MAPLE, W MAIN
DECORATIVE POLE LIGHTS	1800	2	20	5	C	6	20	2	900	POLE RECEPTACLES W WASHINGTON, N MAIN
				7	A	8			900	POLE RECEPTACLES W WASHINGTON, N MAIN
SPARE		1	20	9	B	10	20	1		SPARE
SPARE		1	20	11	C	12	20	1		SPARE
SPACE ONLY		1		13	A	14		1		SPACE ONLY
SPACE ONLY		1		15	B	16		1		SPACE ONLY
SPACE ONLY		1		17	C	18		1		SPACE ONLY
SPACE ONLY		1		19	A	20		1	500	RELAY CONTROL
CONNECTED LOAD: 6620 WATTS REMARKS: PROVIDE NEMA 3R ENCLOSURE, PROVIDE CYLINDER AND LOCK TO MATCH PARKS DEPT. KEY.										

SYMBOLS LEGEND

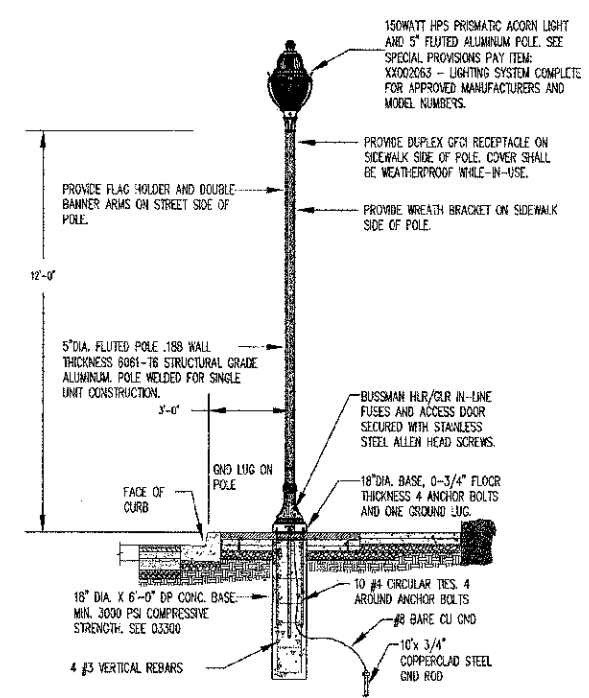
- NEW BRANCH CIRCUIT WIRE AND CONDUIT.
- (XR) ⓧ EXIST. POLE MOUNTED LIGHT FIXTURE TO BE RELOCATED
- XRR ⓧ LOCATION FOR RELOCATED EXISTING POLE MOUNTED LIGHT FIXTURE.
- ⓧ EXISTING POLE MOUNTED LIGHT FIXTURE TO BE REMOVED.
- Ⓞ NEW POLE MOUNTED LIGHT FIXTURE SEE (2) E2.0
- Ⓜ PANELBOARD - 120/240 VOLT
- Ⓜ ELECT. HELD RELAY
- Ⓜ TIME SWITCH
- Ⓜ METER CABINET ACCORDING TO AMEREN-IL'S METER STANDARD

GENERAL NOTES

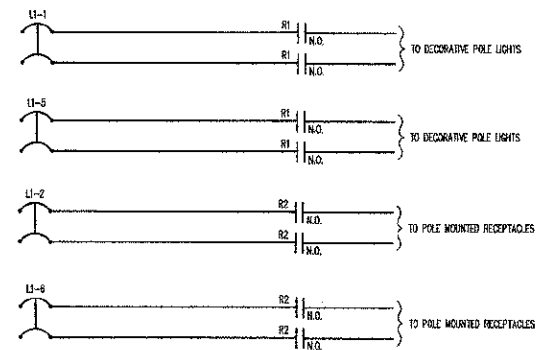
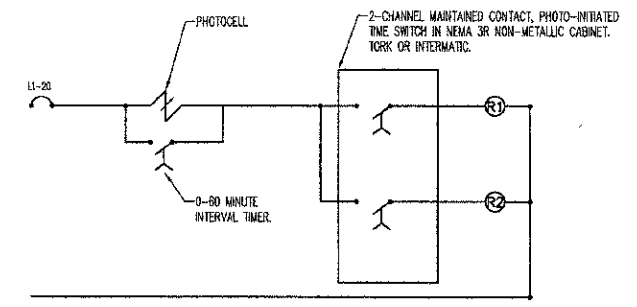
- ALL WIRING #10 MINIMUM. ALL CONDUIT 1" MINIMUM, SCH. 40 PVC, TYPICAL ALL SHEETS.



1 SERVICE RISER DIAGRAM
SCALE: NO SCALE



2 POLE MOUNTED LIGHT FIXTURE DETAIL
SCALE: NO SCALE



R1 - ELECT HELD RELAY RATED 20A / 4P, N.O. WITH 120VAC COIL AND SURFACE MOUNT NEMA 3R ENCLOSURE

R2 - ELECT HELD RELAY RATED 20A / 4P, N.O. WITH 120VAC COIL AND SURFACE MOUNT NEMA 3R ENCLOSURE

3 LIGHTING CONTROL SCHEMATIC
SCALE: NO SCALE



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET #
IL 34 & IL 37	10-00061-00-SW	CITY OF BENTON	19	19

JOB NUMBER C-99-506-11
CONTRACT NO. 99-522