

DOWNTOWN STREET REDESIGN

WEST BURLINGTON, IOWA

ENERGY COMPANY
(GAS @ ELECTRIC)
ADDRESS

CITY OF WEST
BURLINGTON (SEWER)
212 Broadway St, West
Burlington, IA 52655

WATER COMPANY
(WATER)
ADDRESS

INTERNET COMPANY
(CABLE)
ADDRESS

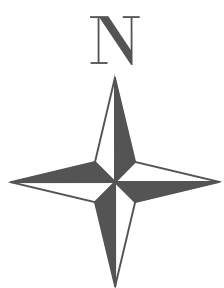


VICINITY MAP
NOT TO SCALE

OWNER/DEVELOPER
CITY OF WEST BURLINGTON
212 Broadway St, West Burlington, IA 52655

INDEX OF SHEETS

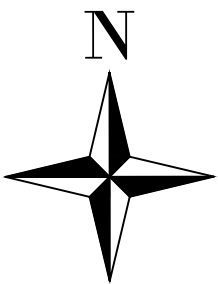
01	—	COVER SHEET
02	—	EXISTING CONDITIONS
03	—	UTILITY MAP
04	—	DEMO MAP
05	—	LIGHT POLE MAP
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10	—	CROSS SECTIONS
11	—	DETAILS
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PROJECT:	CEE: 4850	
	DATE :	05/18/2025
	DRAWN BY:	BD
	REVISION:	
THE UNIVERSITY OF IOWA CIVIL AND ENVIRONMENTAL ENGINEERING 4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660 EMAIL: civil-hawks@iowa.edu		
EDUCATIONAL - NOT FOR CONSTRUCTION		
DOWNTOWN REDESIGN		
122 BROADWAY ST, WEST BURLINGTON, IA 52655		
SHEET NAME		
COVER SHEET		
SHEET NO.		
01		



1: 40 Scale



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122 BROADWAY ST, WEST BURLINGTON, IA 52655

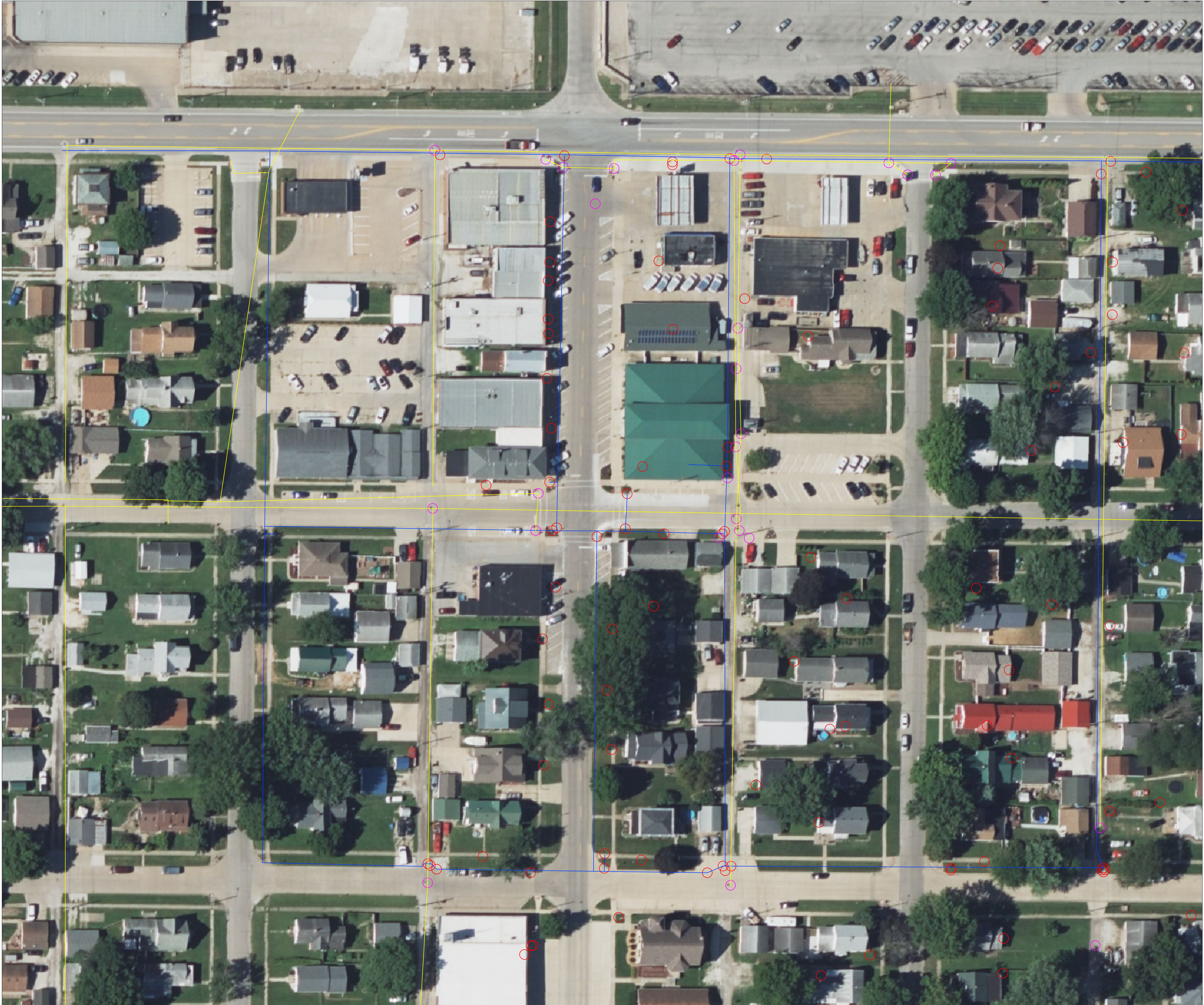
SHEET NAME
EXISTING
CONDITIONS

SHEET NO.
02

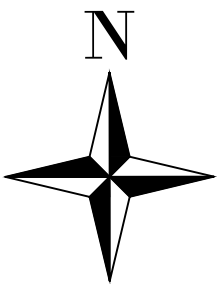
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CIVIL AND ENVIRONMENTAL ENGINEERING

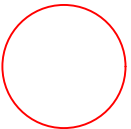
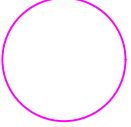
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1: 50 Scale



KEY	
	WATER STRUCTURES
	SEWER STRUCTURES
	WATER PIPE
	SEWER PIPE

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SHEET NAME

UTILITY
MAP

SHEET NO.

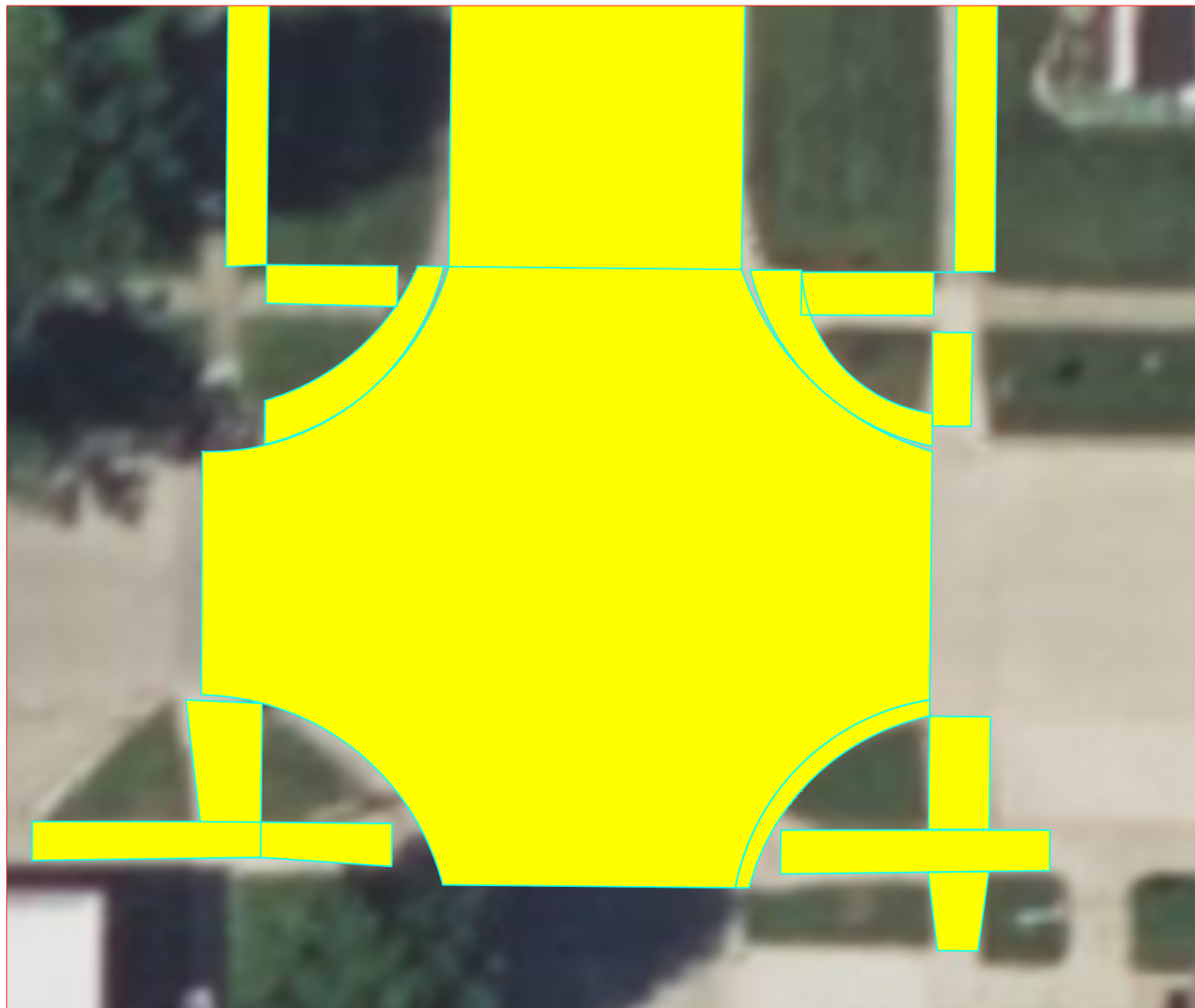
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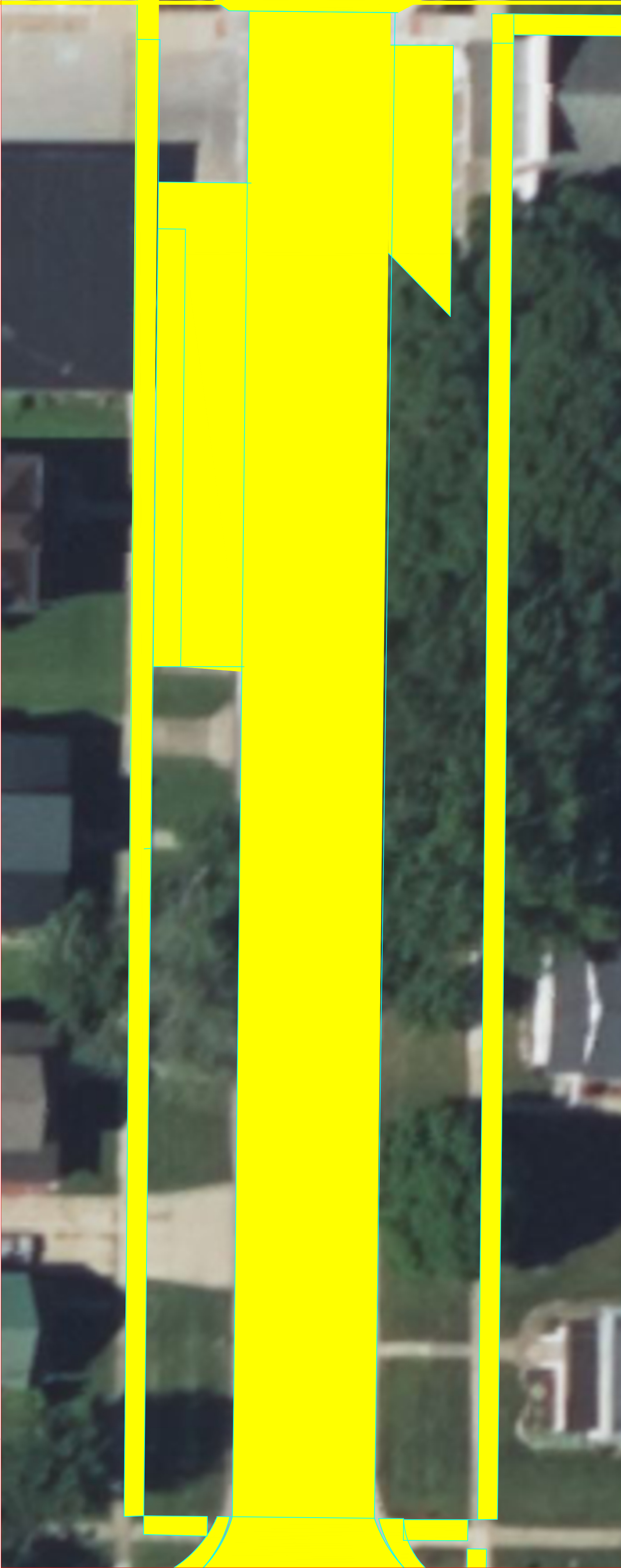


1:15 Scale

BROADWAY (NORTH)
BROADWAY & WHEELER



BROADWAY & GLASGOW
BROADWAY (SOUTH)



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SHEET NAME

DEMOLITION
MAP

SHEET NO.

04

PROJECT:

CEE: 4850

DATE :

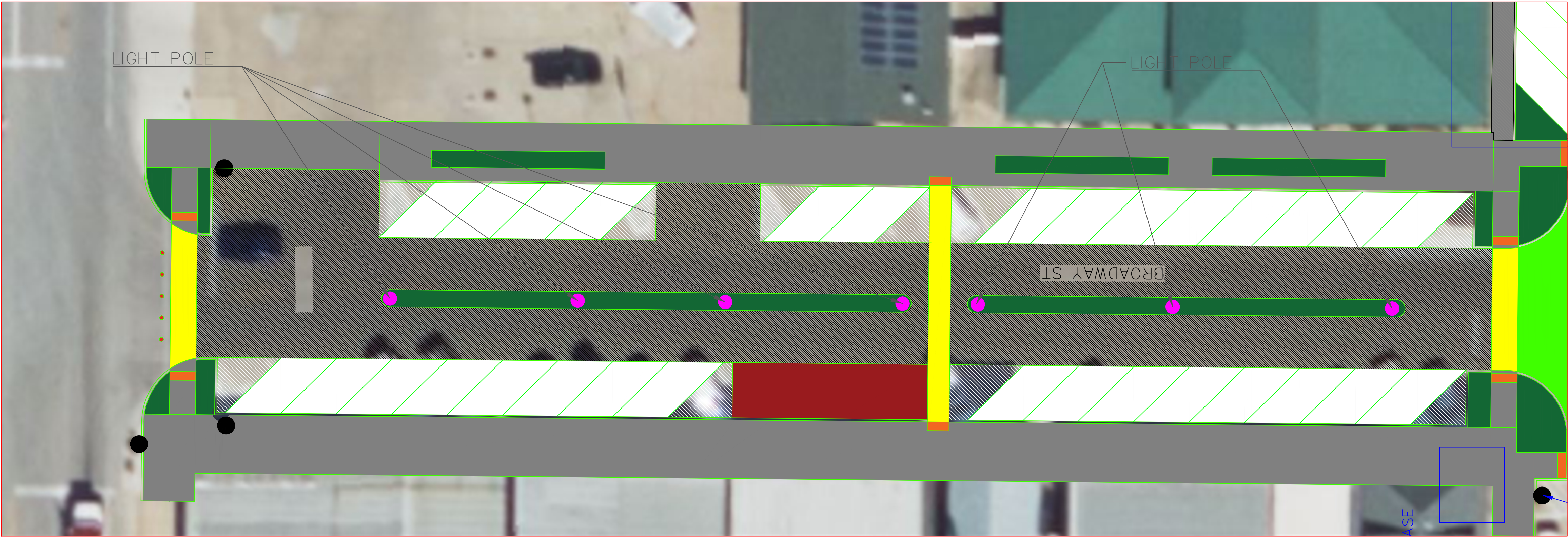
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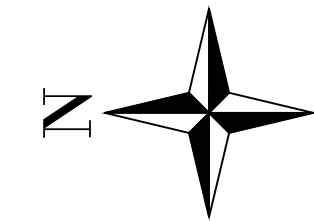
BD

REVISION:

BROADWAY (NORTH)



BROADWAY (SOUTH)



1:15 Scale

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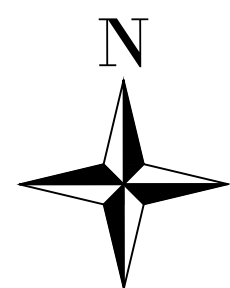
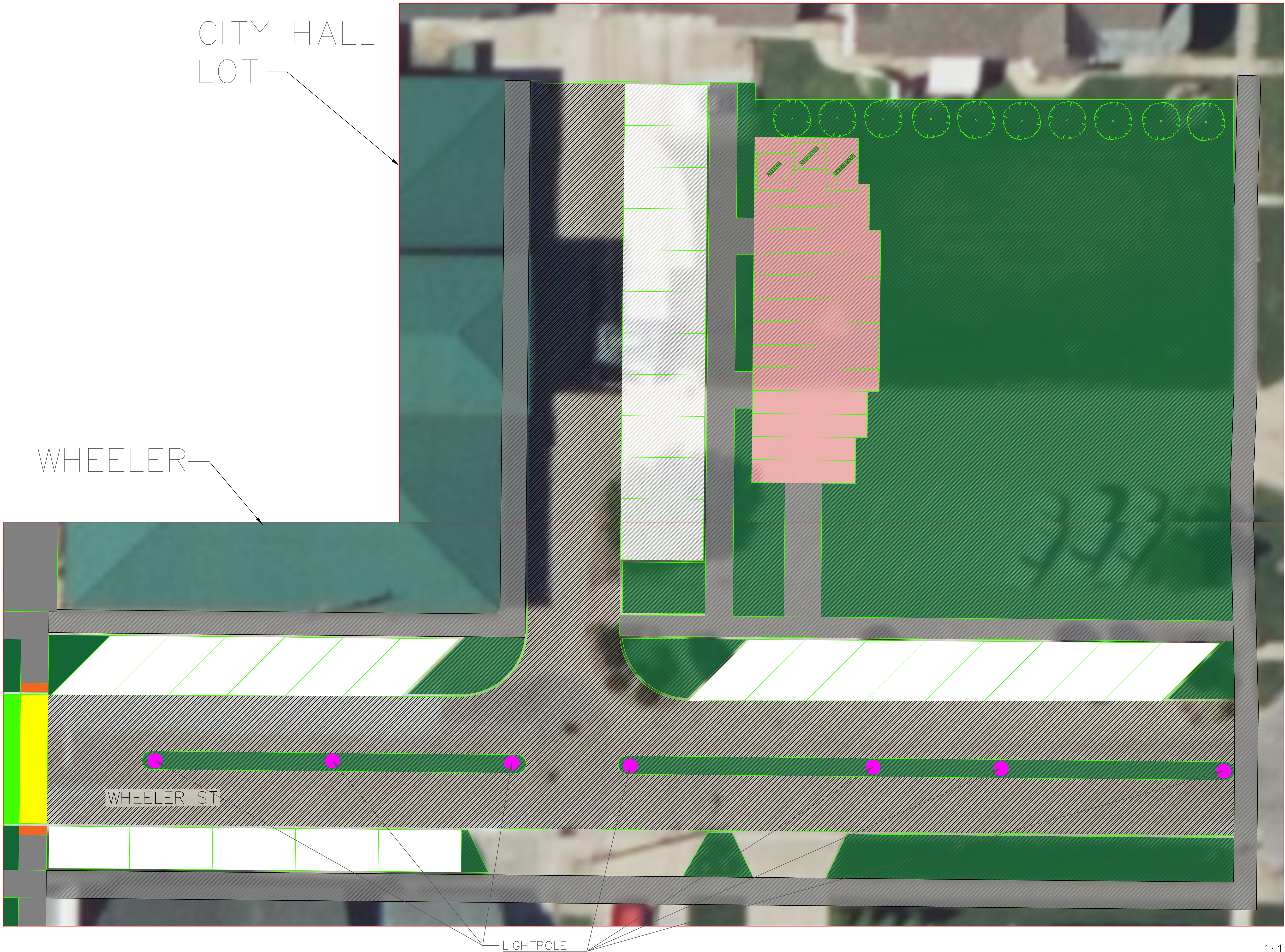
122 BROADWAY ST, WEST BURLINGTON, IA 52655

SHEET NAME

LIGHTPOLE
PLACEMENT

SHEET NO.

05



1:10 Scale

PROJECT: CEE: 4850

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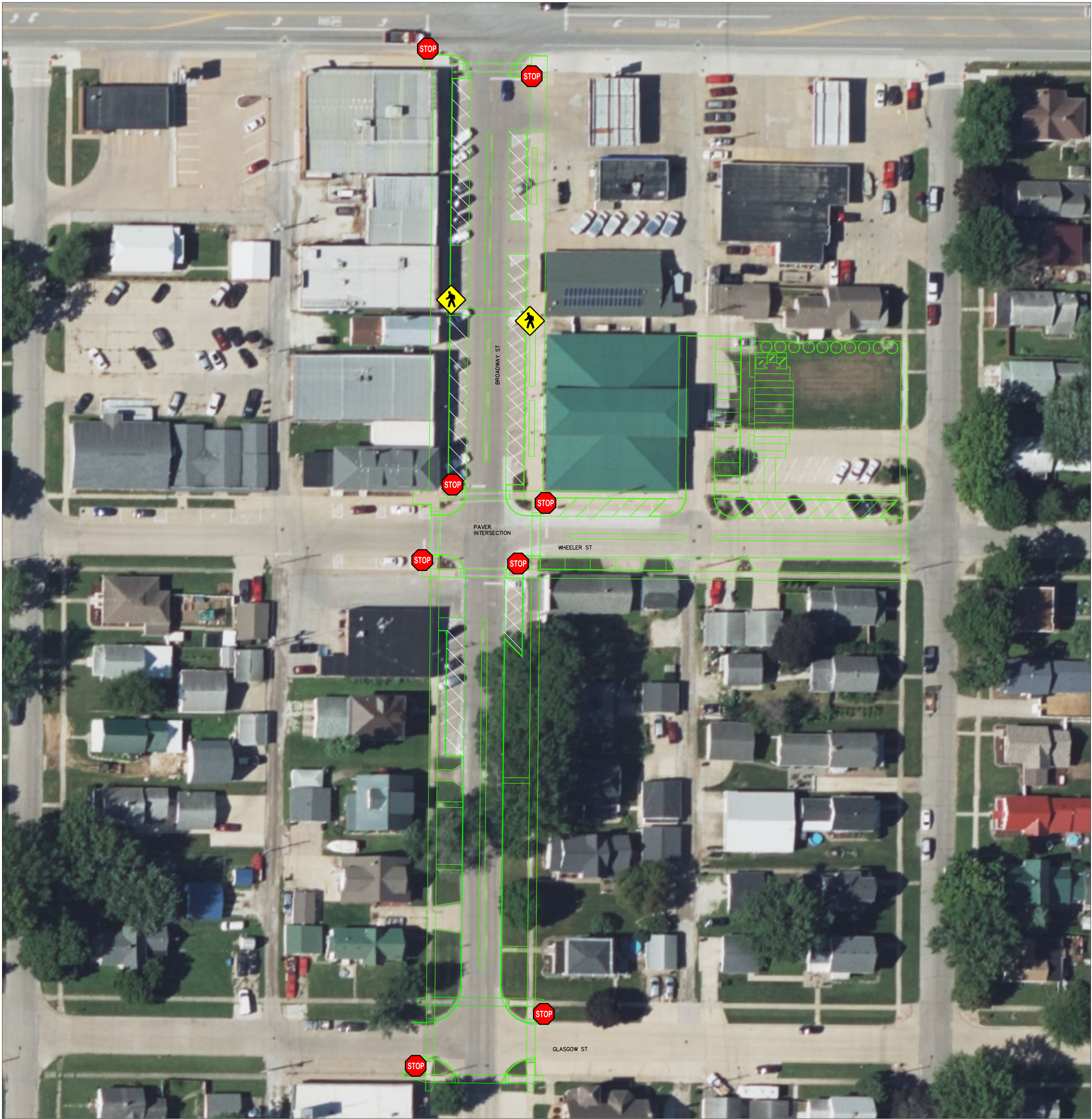
122 BROADWAY ST, WEST BURLINGTON, IA 52655

SHEET NAME

LIGHTPOLE
PLACEMENT

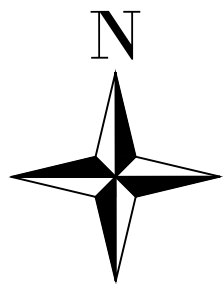
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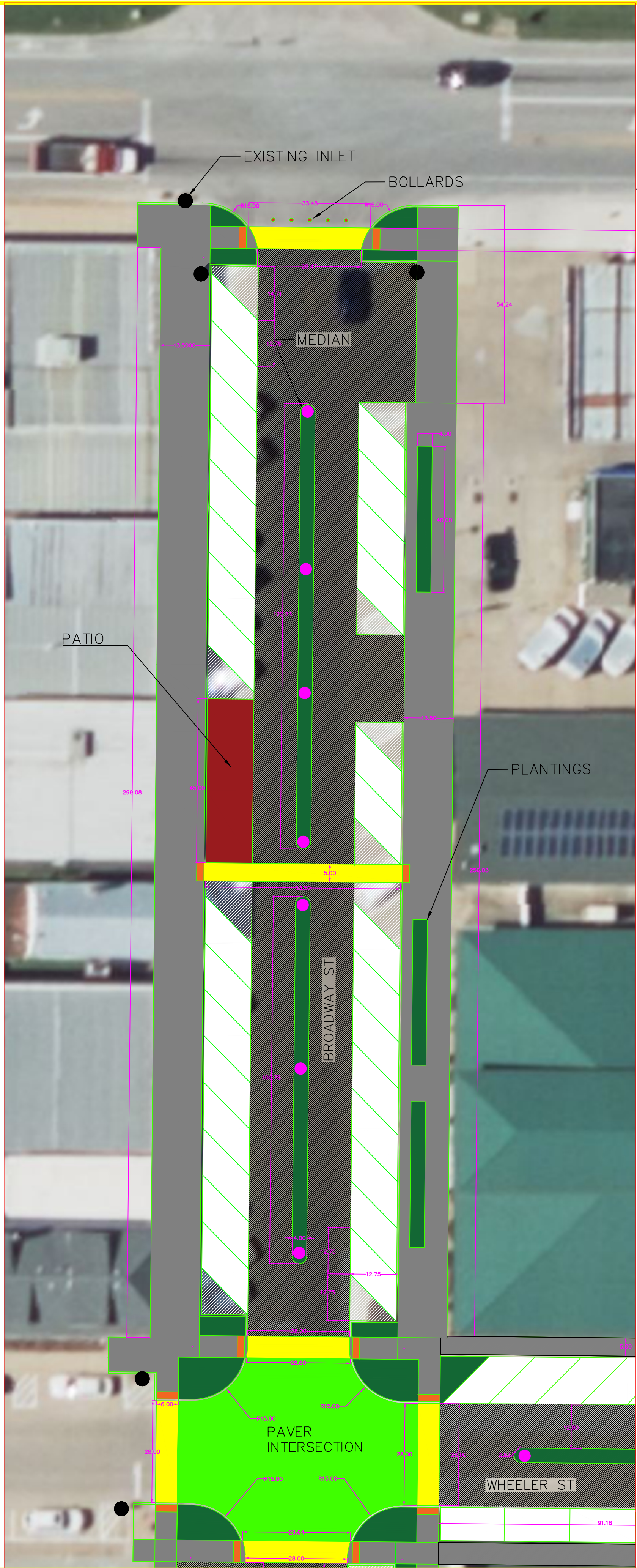


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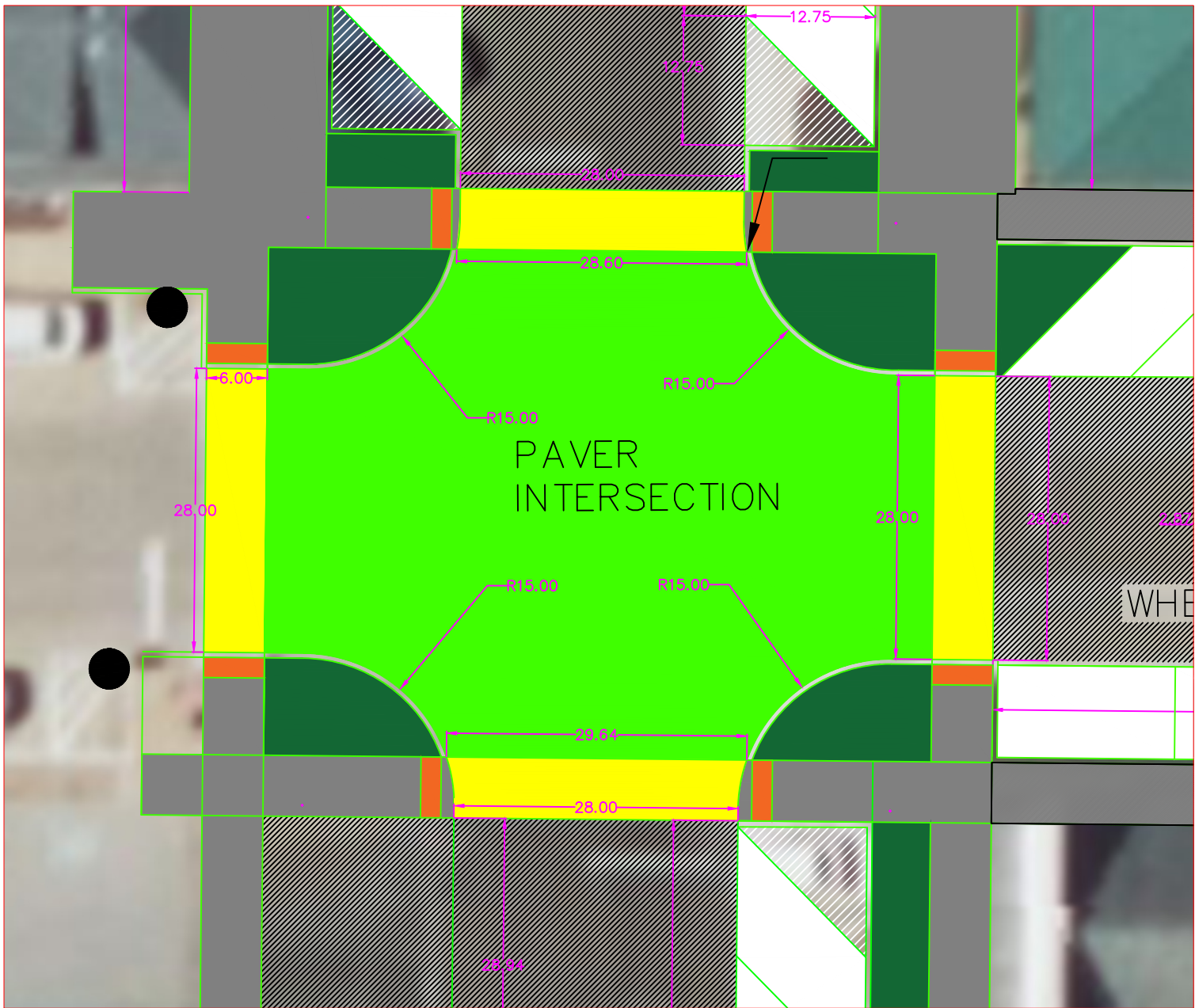
GENERAL NOTES:
REMOVE AND SALVAGE EXISTING STOP SIGNS
AND ASSOCIATED SIGNAGE FOR REINSTALLATION



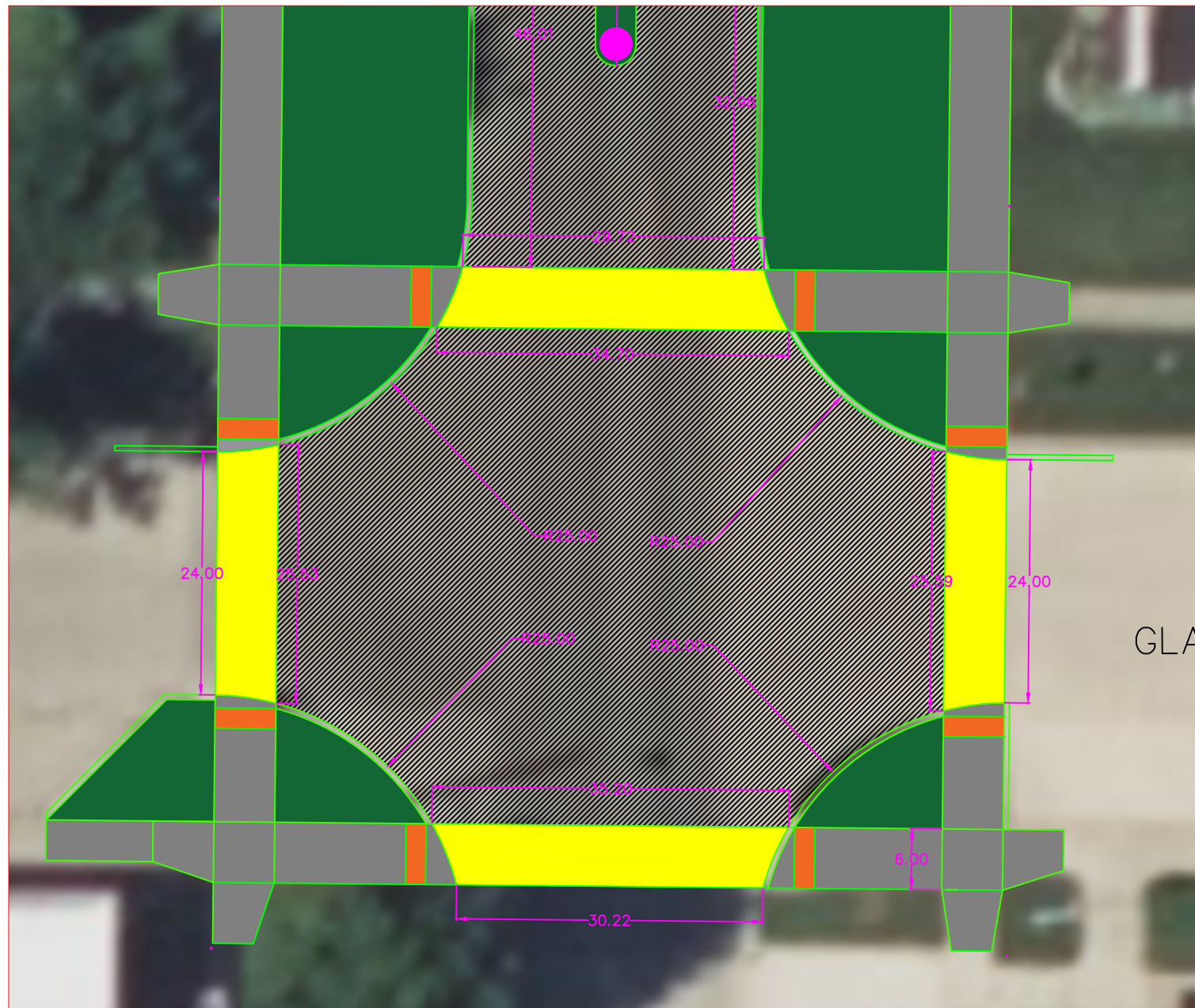
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SHEET NAME		SIGNAGE
SHEET NO.		07



BROADWAY ST (NORTH)



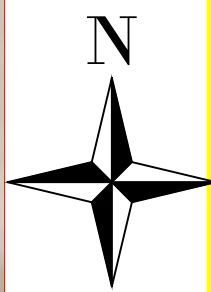
BROADWAY & WHEELER INTERSECTION



BROADWAY & GLASGOW INTERSECTION

BROADWAY ST (SOUTH)

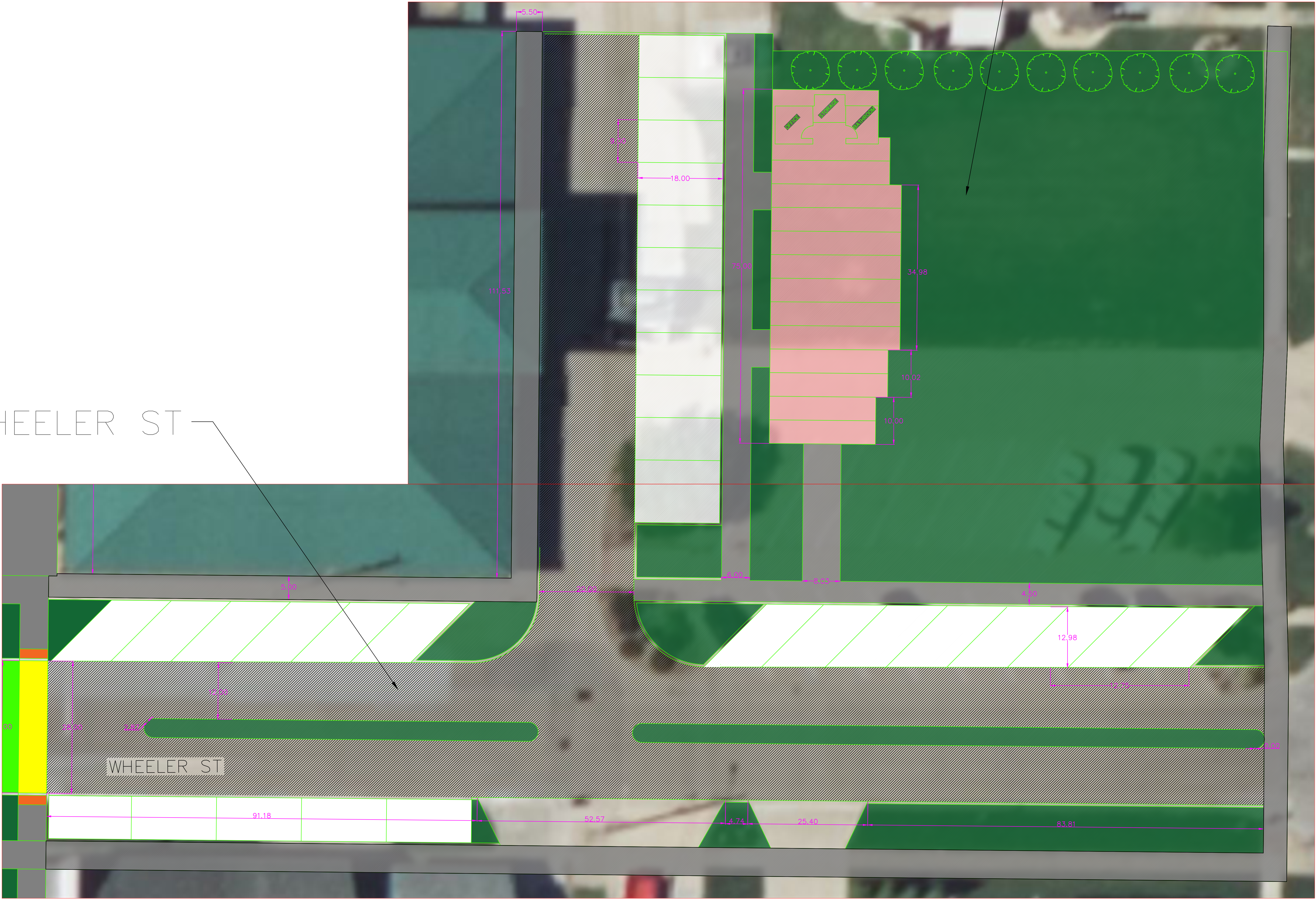
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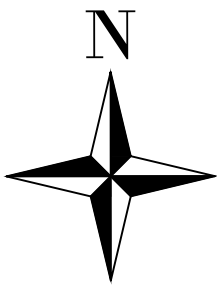
THE UNIVERSITY OF IOWA CIVIL AND ENVIRONMENTAL ENGINEERING 4105 SEAMANS CENTER FOR THE ENGINEERING ARTS AND SCIENCES 103 S CAPITOL ST IOWA CITY, IOWA 52242 PHONE: 319.335.5647 FAX: 319.335.5660 EMAIL: civil-hawks@iowa.edu		PROJECT: CEE: 4850 DATE : 05/18/2025 DRAWN BY: BD REVISION:
DOWNTOWN REDESIGN 122 BROADWAY ST, WEST BURLINGTON, IA 52655		EDUCATIONAL - NOT FOR CONSTRUCTION
SHEET NAME BROADWAY DESIGN		SHEET NO. 08

WHEELER ST

CITY HALL LOT



1:10 Scale



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122 BROADWAY ST, WEST BURLINGTON, IA 52655

SHEET NAME

WHEELER
DESIGN

SHEET NO.

09

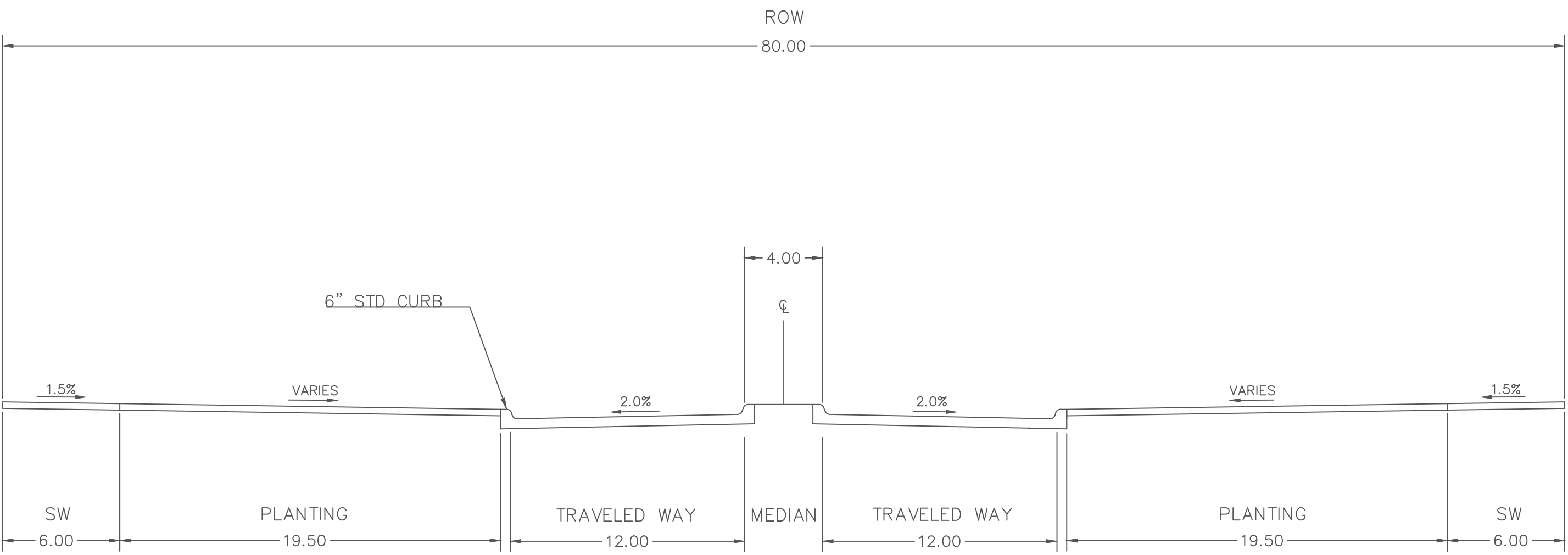
PROJECT: CEE: 4850

DATE : 05/18/2025

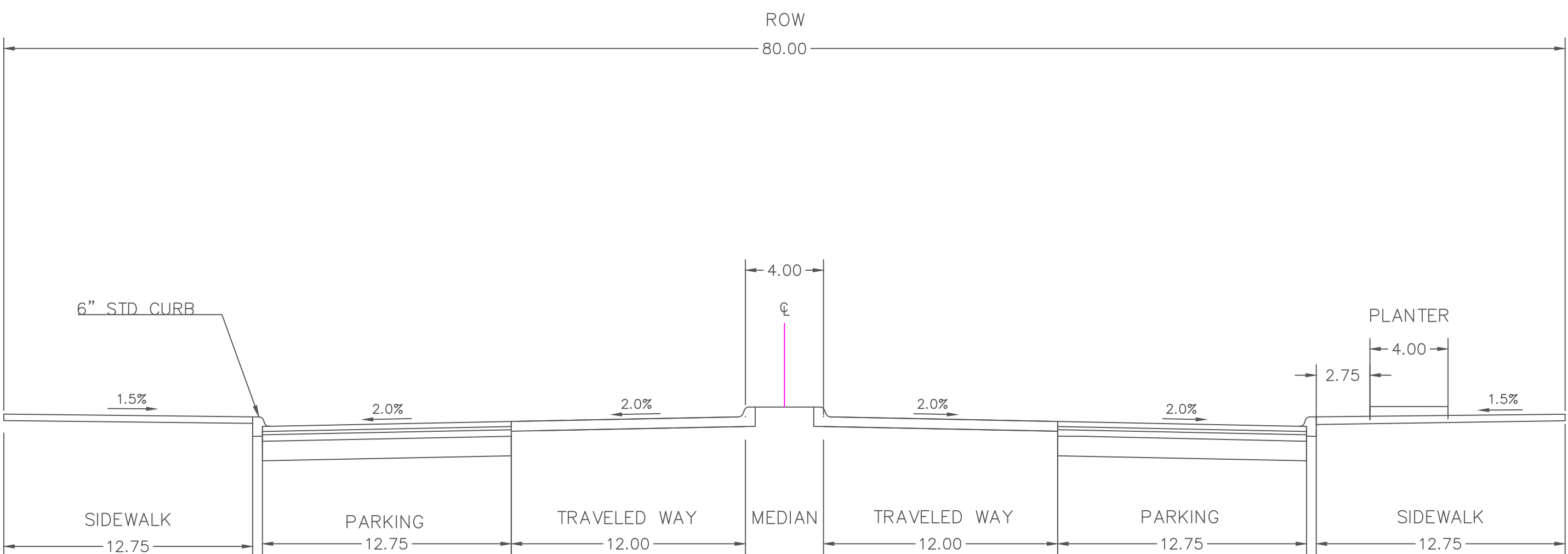
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REVISION:

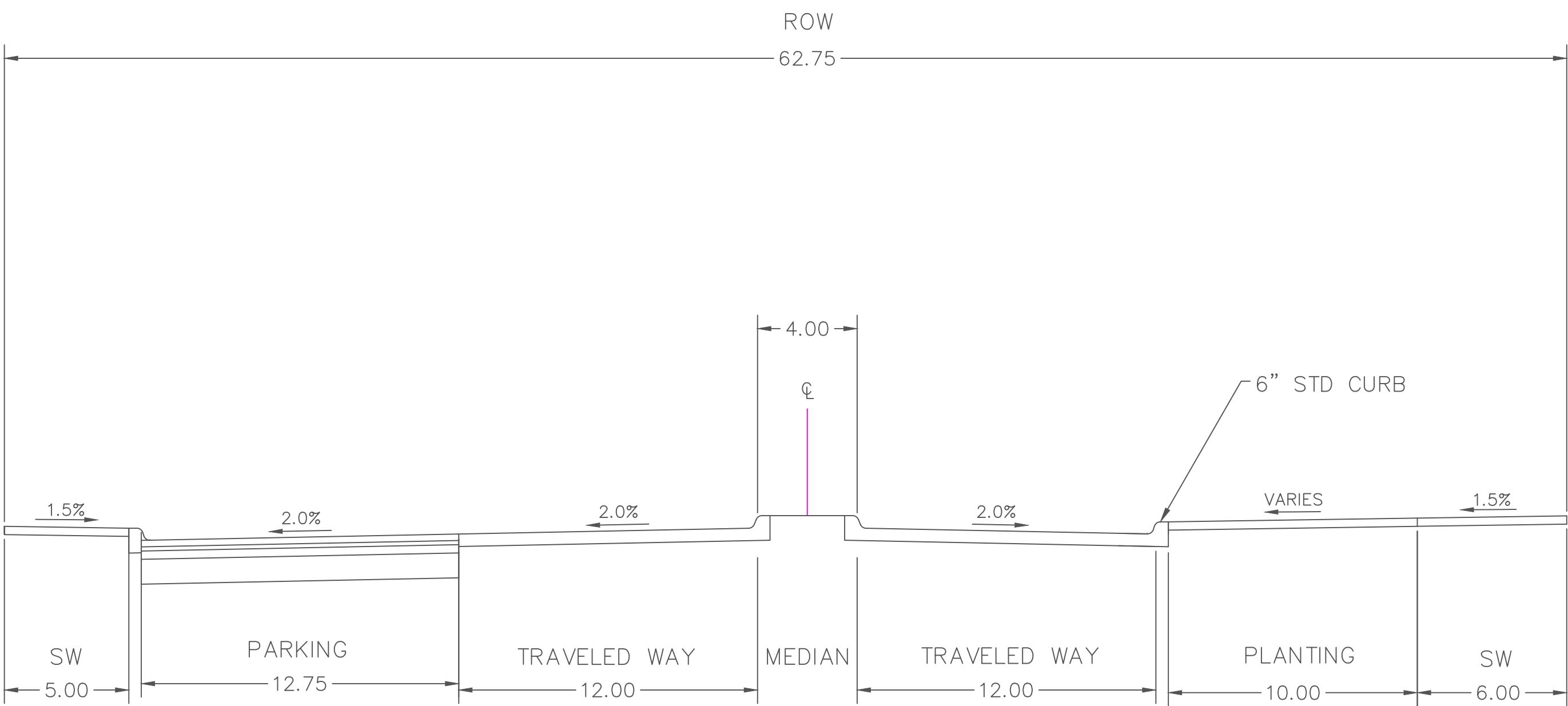
BROADWAY STREET (SOUTH)



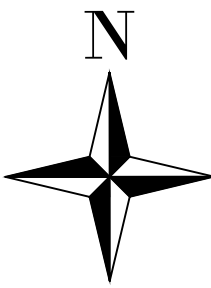
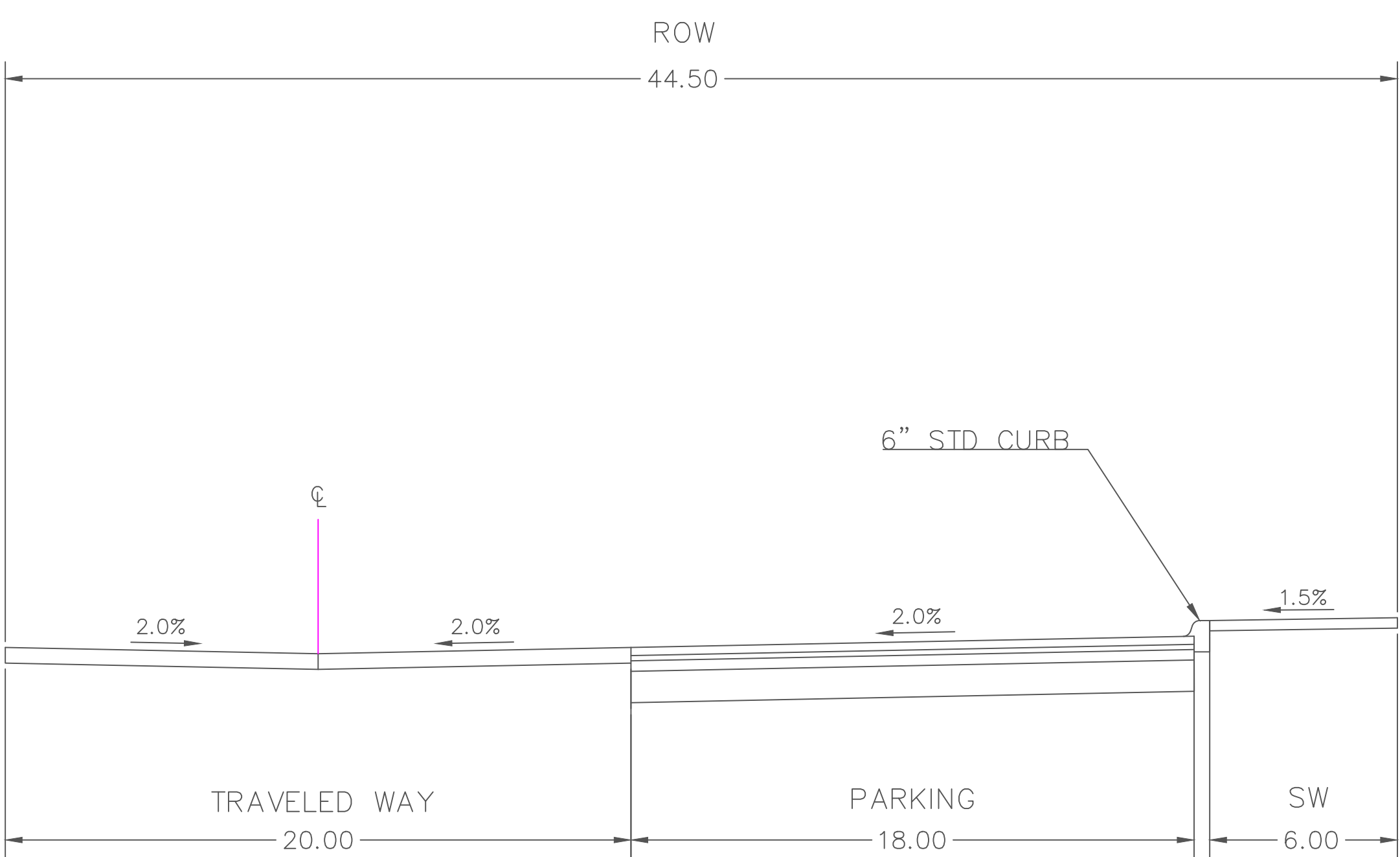
BROADWAY STREET (NORTH)



WHEELER STREET



CITY HALL ALLEY



PROJECT:	CEE: 4850
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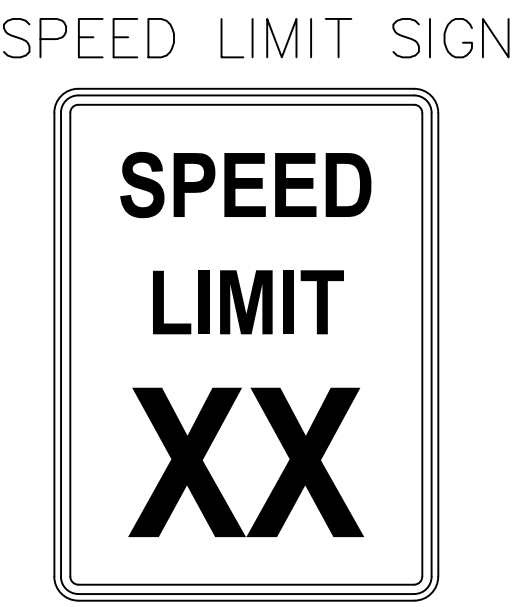
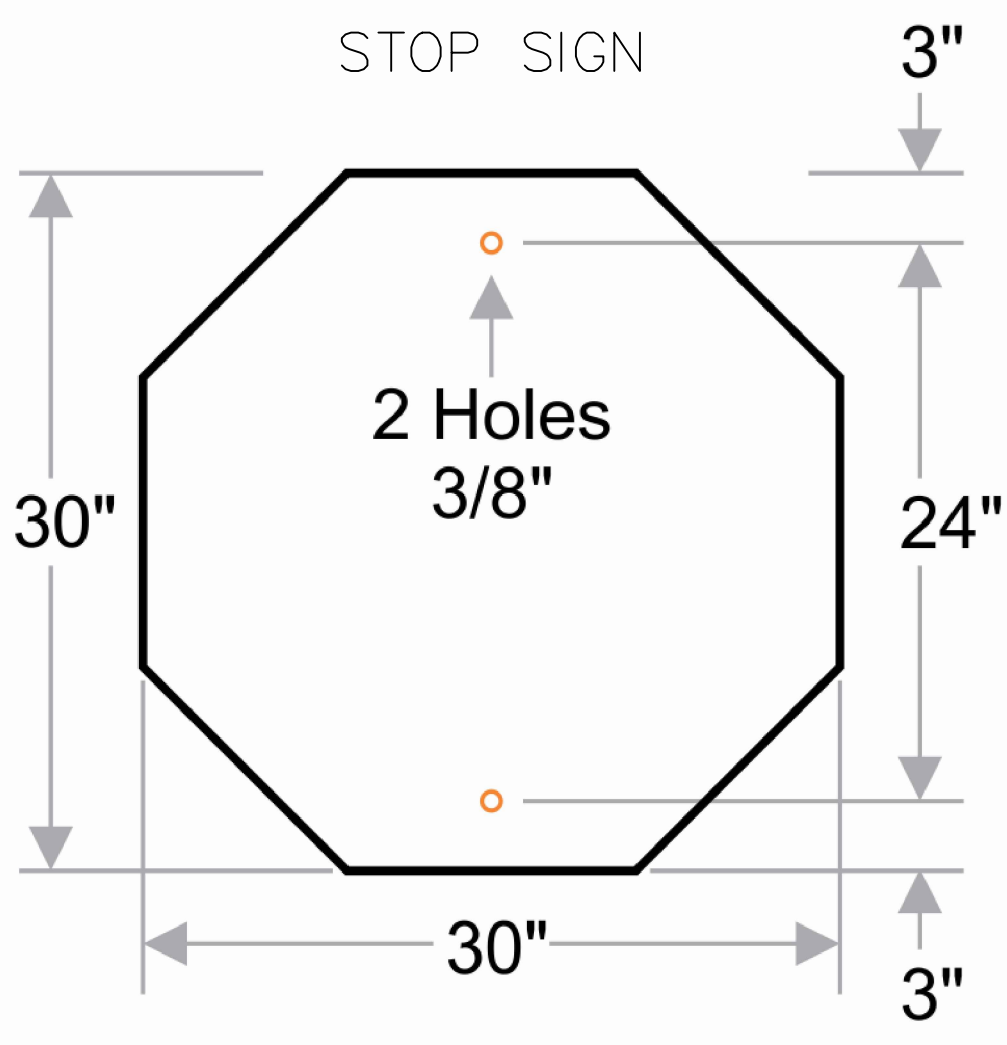
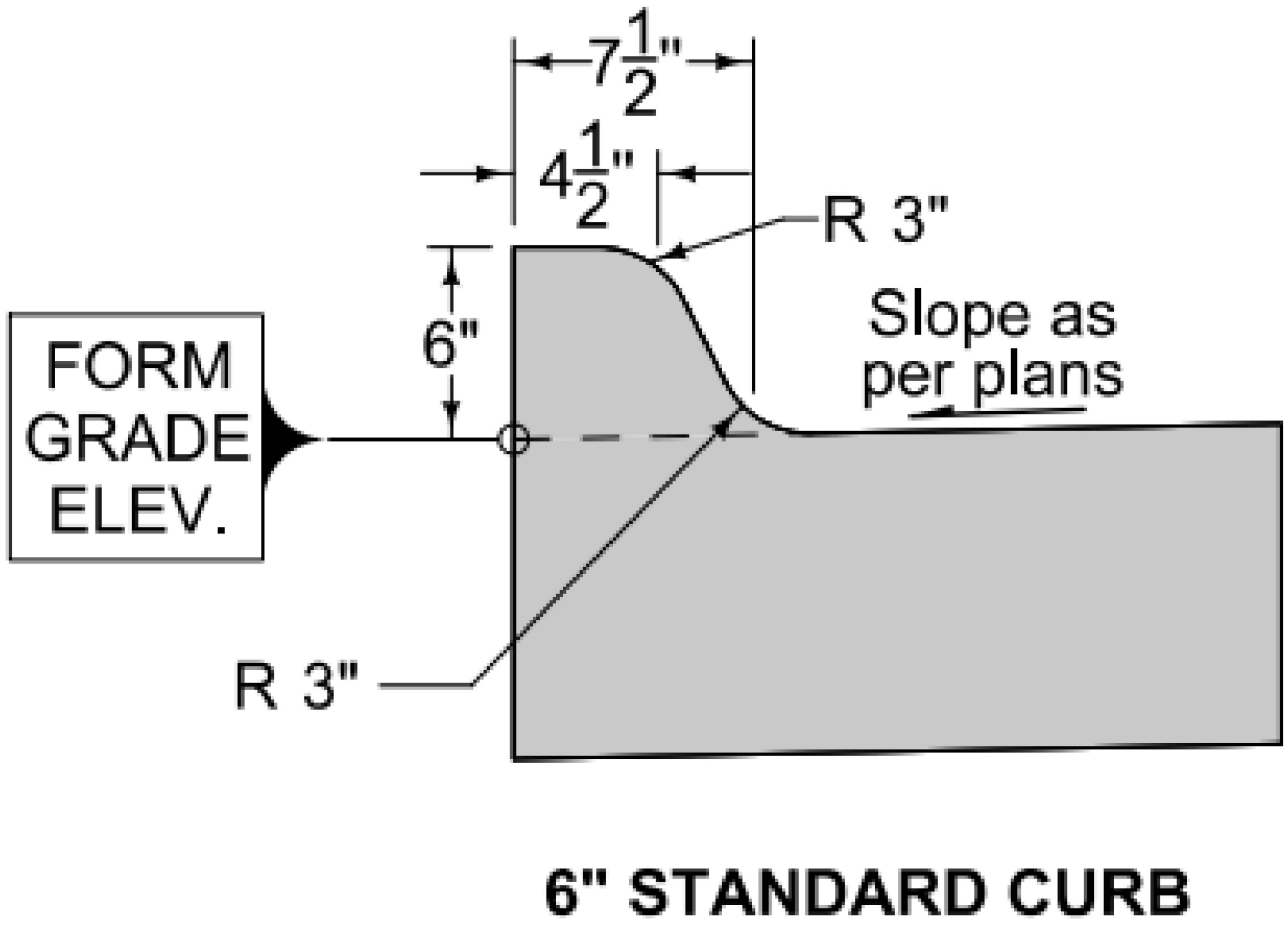
DOWNTOWN REDESIGN

122 BROADWAY ST, WEST BURLINGTON, IA 52655

SHEET NAME

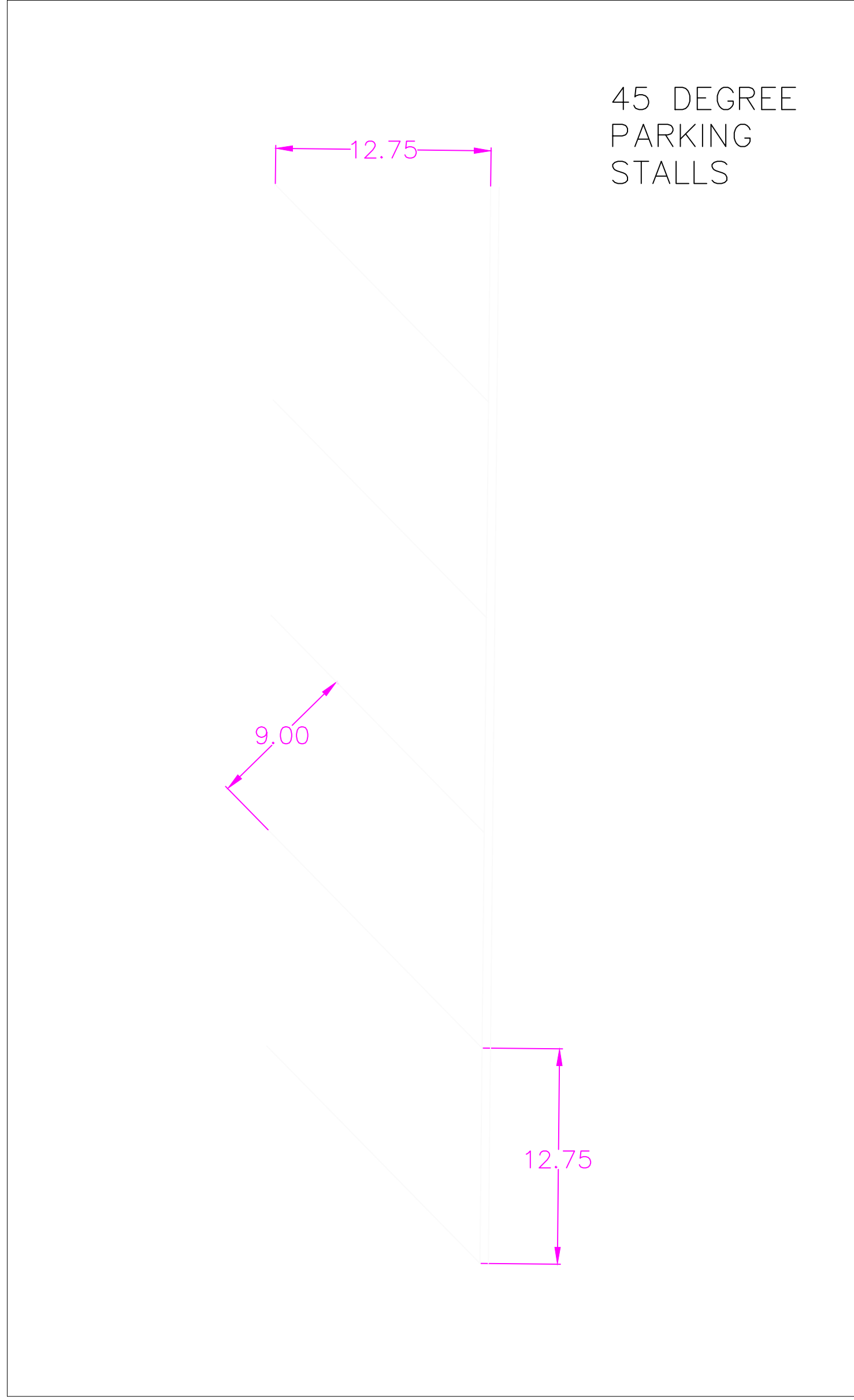
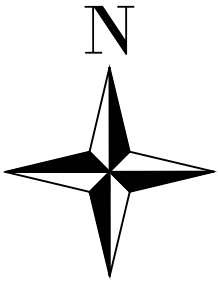
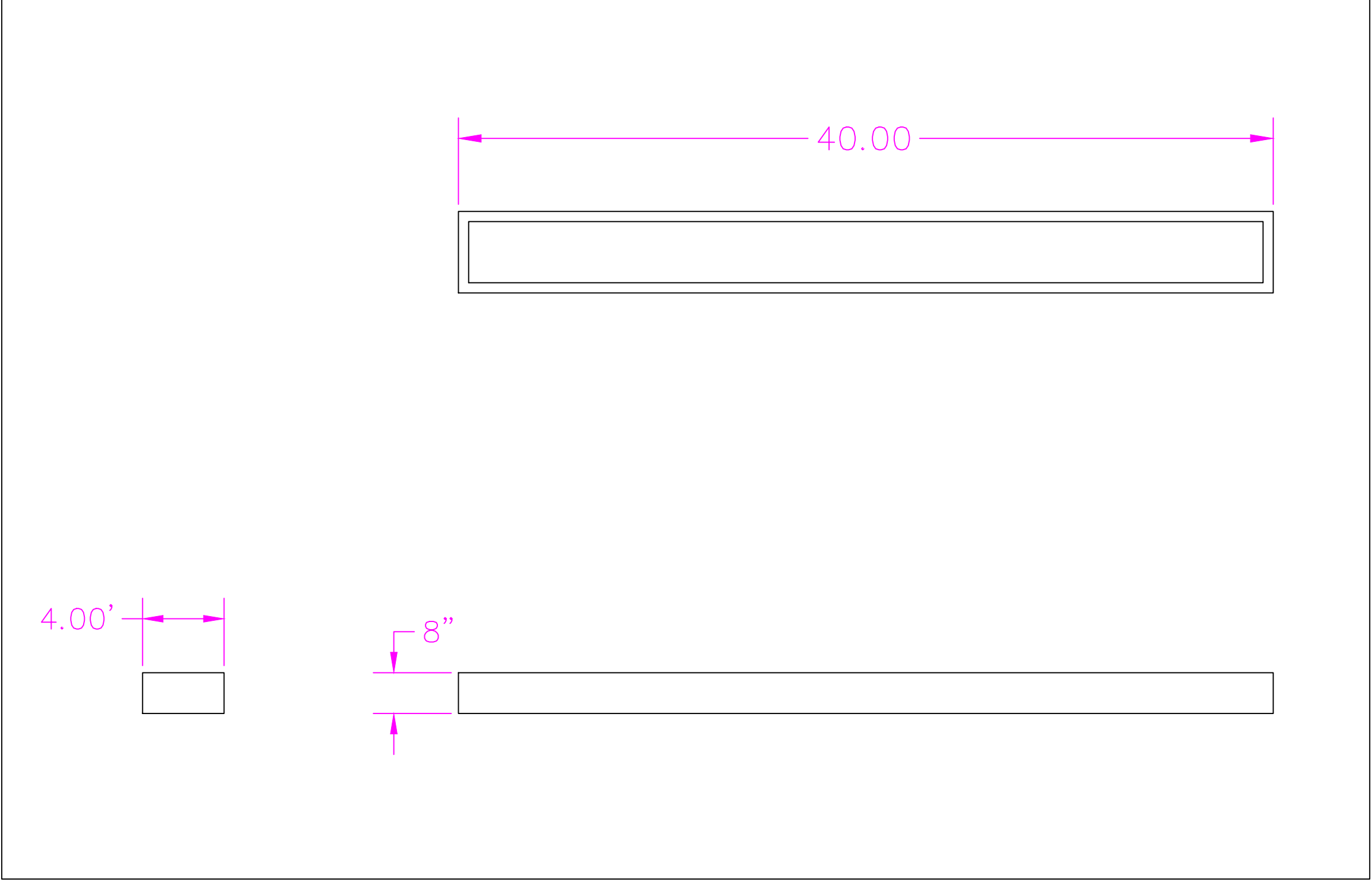
CROSS SECTIONS
SECTIONS

SHEET NO.



PLANTER DETAIL (TOP, SIDE, FRONT)

NOTE: VERTICAL SCALE EXAGGERATED FOR ILLUSTRATIVE PURPOSES



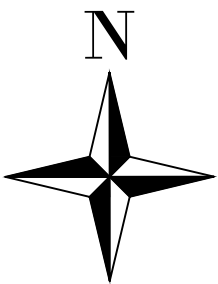
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122 BROADWAY ST, WEST BURLINGTON, IA 52655

Item Description	Quantity	Unit	Unit Price	Item Cost
PCC PAVEMENT, 6"	3396	SY	63	213941
MODIFIED SUBBASE, 6"	5454	SY	14	76354
PCC SIDEWALK, 4"	2058	SY	50	102900
6" CURB AND GUTTER	2706	LF	29	78474
PERMEABLE INTERLOCKING PAVERS	1619	SY	115.3	186632
2" BEDDING (ASTM #8)	90	CY	60	5396
BASE (ASTM #57)	270	CY	50	13489
SUBBASE RESERVOIR (ASTM #2/#3)	540	CY	45	24280
GEOTEXTILE	1619	SY	1.25	2023
EXCAVATION, CLASS 10, ROADWAY AND BORROW	540	CY	4.26	2299
COMPACTION WITH MOISTURE AND DENSITY CONTROL	1,474.96	CY	0.41	605
PAINTED PAVEMENT MARKINGS, WATERBORNE	17	STA	25.82	432
DETECTABLE WARNINGS	236	SF	49.34	11644
PEDESTRIAN CROSSWALK SIGN	2	EA	44	88
REMOVAL OF SIDEWALK	1653	SY	14	23136
REMOVAL OF CURB	1635	LF	22	35970
PAVEMENT REMOVAL	6382	SY	12	76583
REMOVE AND REINSTALL STOP SIGN	8	EA	300	2400
STAINLESS STEEL MANUAL RETRACTABLE BOLLARD	5	EA	1136	5680
14' LIGHT POLE, ANCHOR BASE, STAINLESS STEEL	19	EA	1535.1	29167
LED LUMINAIRE	19	EA	1728.6	32843
WIND RESISTANT POLE BANNER BRACKETS	19	EA	170	3230
WIRELESS SOUND SYSTEM	1	EA	6000	6000
PILE SUPPORTED, TREATED WOOD	574	SF	44.11	25308
ALUMINUM PIPE RAILING 3'-6"	71	LF	83.23	5868
RECREATIONAL BUILDINGS, MULTI USE	162	SF	417.3	67603
24G STEEL ROOFING PANELS	3749	SF	7.56	28340
FOOTING AND FOUNDATION	3749	SF	7	26243
STEEL FRAMING	3749	SF	18	67482
NATIVE GRASS SEEDING	0.2	AC	1946	420
CONIFEROUS TREE (WITH WARRANTY)	10	EA	600	6000
LANDSCAPING/NATIVE PLANTING	1	L SUM	20000	20000
SOLAR PANELS, 90 PANELS, 36KW SYSTEM	1	L SUM	61000	61000



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SHEET NAME

QUANTITIES

SHEET NO.

12