Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

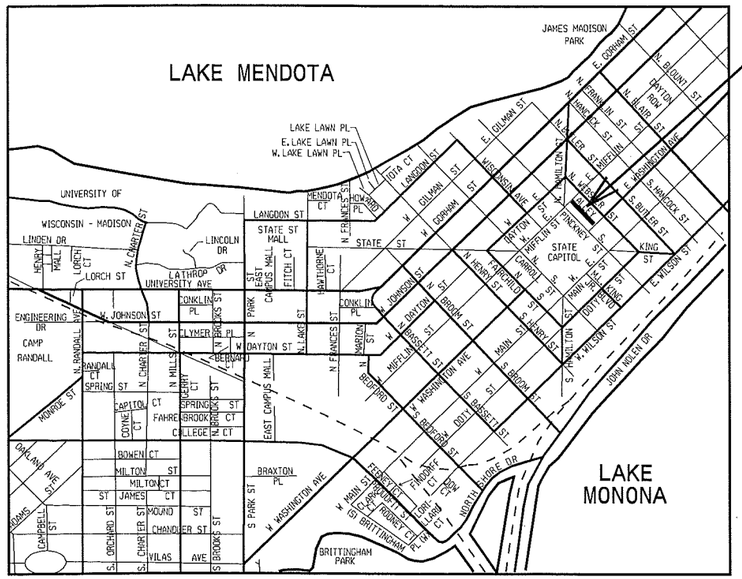
BLOCK 101 ALLEY RECONSTRUCTION
ASSESSMENT DISTRICT– 2012

CITY PROJECT NO. 53W1149
CONTRACT NO. 6611

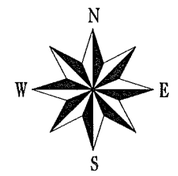
INDEX OF SHEETS

CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	



CONSTRUCTION PROJECT LOCATION



NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY).....125 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....75 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....200 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

JUNE 19, 2012

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date: 6/22/12

STREET DESIGNED BY:

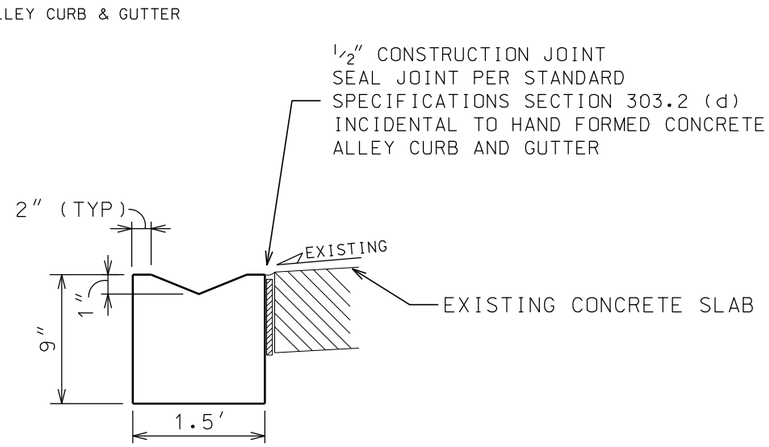
WISCONSIN
GLEN E YOERGER
E-41148
MADISON
WIS.
6/21/12
PROFESSIONAL ENGINEER

STORM SEWER DESIGNED BY:

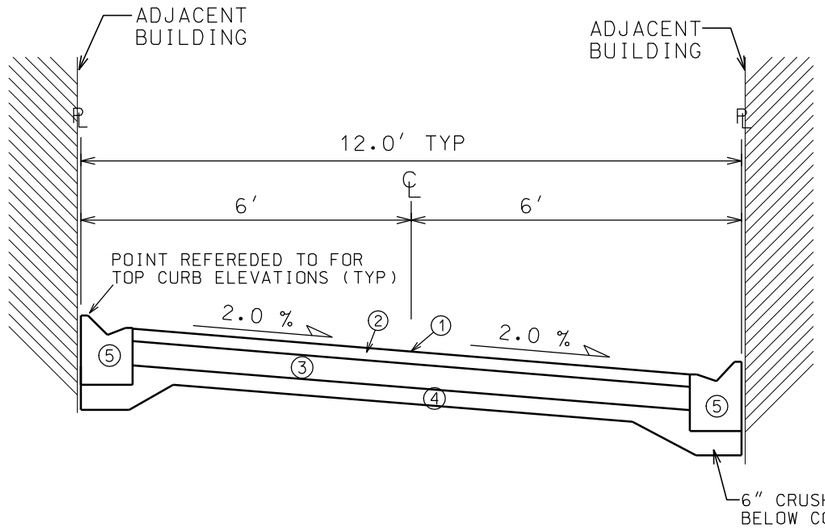
WISCONSIN
LISA R. COLEMAN
E-37708
MADISON
WI
6/14/12
PROFESSIONAL ENGINEER

BLOCK 101 ALLEY RECONSTRUCTION-2012 PROJECT NO. 53W1149	SHEET NO. D-1
TYPICAL SECTIONS & DETAILS	
DETAILS	CITY OF MADISON

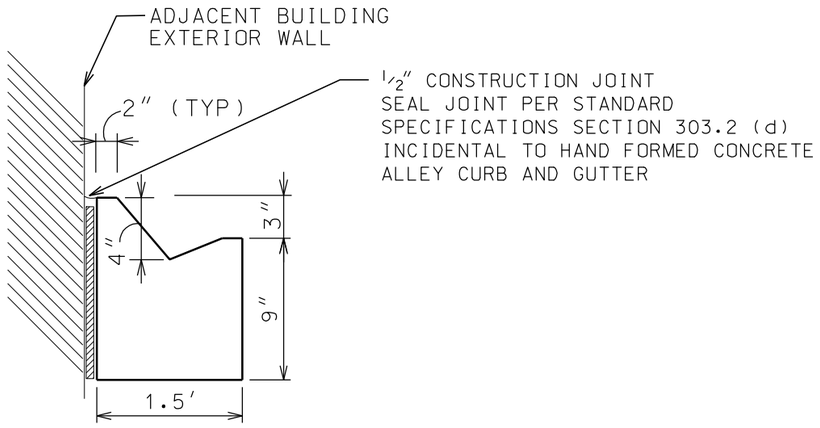
① POINT REFERRED TO ON PROFILE
② 2" BITUMINOUS UPPER LAYER, 12.5 mm, TYPE E-1
③ 2¼" BITUMINOUS LOWER LAYER, 19 mm, TYPE E-1
④ 3" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
⑤ HAND FORMED CONCRETE ALLEY CURB & GUTTER



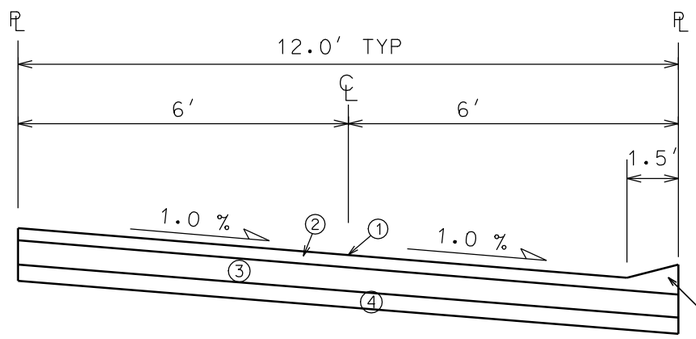
DETAIL – HAND FORMED CONCRETE ALLEY CURB AND GUTTER @ EXISTING CONCRETE SLABS



TYPICAL FINISHED SECTION
BLOCK 101 ALLEY
STA 10+50 TO 12+00
NOT TO SCALE



DETAIL – HAND FORMED CONCRETE ALLEY CURB AND GUTTER @ BUILDING FACE



TYPICAL FINISHED SECTION
BLOCK 101 ALLEY
STA 12+00 TO 13+65
NOT TO SCALE

PLOT SCALE: ----------
PLOT NAME: ----------
REV. DATE: ----------
ORIGINATOR: CITY_OF_MADISON.STREETS_DIVISION

FILE NAME: M:\DESIGN\STREETS\DGN\53W1149\PLAN\TYPESEC DETAIL.DGN
DATE: 6/22/2012
SCALE: 40.000000:1.000000

BLOCK 101 ALLEY RECON - 2012 PROJECT NO. 53W1149	SHEET NO. EC-1
PLAN AND PROFILE	
BLOCK 101 ALLEY	CITY OF MADISON

STREET CONSTRUCTION ENTRANCE BERM

CONSTRUCTION ENTRANCE

TYPE D HYBRID INLET PROTECTION

PLACE 3 TYPE D HYBRID INLET PROTECTION AT ON WEBSTER BETWEEN E. WASHINGTON AND E. MIFFLIN

PLACE 3 TYPE D HYBRID INLET PROTECTION AT MIFFLIN/WEBSTER

PLACE 1 TYPE D HYBRID INLET PROTECTION AT MIFFLIN/PINCKNEY

PLACE 3 TYPE D HYBRID INLET PROTECTION AT E. WASHINGTON/ WEBSTER

PLACE 2 TYPE D HYBRID INLET PROTECTION AT E. WASHINGTON/ PINCKNEY

E. MIFFLIN ST.

E. WASHINGTON AVENUE

BOP Sta = 10+00.00

EOP Sta = 15+00.00

0709-133-3009-2
GERALD A BARTELL COMM
THEATRE BLDG CORP
113 E MIFFLIN ST

0709-133-3012-5
FIRSTAR BANK MADISON
C/O US BANK CORP-TAX DEPT
22 N WEBSTER ST

0709-133-3014-1
NEUJAR, THOMAS M
& BRADLEY A BINKOWSKI
12 N WEBSTER ST

0709-133-3018-3
NEUJAR, THOMAS M
& BRADLEY A BINKOWSKI
116 E WASHINGTON AVE

0709-133-3001-8
ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
1 N PICKNEY ST

0709-133-3008-4
YMCA MADISON HOUSING LLC
101 E MIFFLIN ST

0709-133-3007-6
CRESCENT LLC
25 N PICKNEY ST

0709-133-3006-8
OSORIO INVESTMENTS LLC
23 N PICKNEY ST

0709-133-3005-0
OSORIO INVESTMENTS LLC
% WESLI
19 N PICKNEY ST

0709-133-3004-2
GRUBSTAKE PARTNERSHIP
M COLLINS & J KREKELER
15 N PICKNEY ST

0709-133-3003-4
E NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
7 N PICKNEY ST

0709-133-3002-6
BENTLEY, RICHARD R &
KATHERINE R BENTLEY
5 N PINCKNEY ST

0709-133-3001-8
ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
1 N PICKNEY ST

10+00 11+00 12+00 13+00 14+00

930 925 920 915 910 905 900 895 890

VPI STA = 10+70.00
VPI ELV = 907.43
L = 21.00
K = 4.00

VPC STA = 10+59.50
VPC ELV = 906.59

VPT STA = 10+80.50
VPT ELV = 908.82

VPI STA = 11+17.00
VPI ELV = 913.66
L = 60.00
K = 6.68

VPC STA = 10+87.00
VPC ELV = 909.68

VPT STA = 11+47.00
VPT ELV = 914.94

12+00.00
917.21
Grade Break

12+30.00
918.08
Grade Break

VPC STA = 13+19.00
VPC ELV = 921.17

VPI STA = 13+39.00
VPI ELV = 921.86
L = 40.00
K = 20.61

VPT STA = 13+59.00
VPT ELV = 922.16

13+82.00
922.50
13+90.00
922.47

-0.08% 16.22% 5.50% 2.00% 8.00% 13.26% 4.28% 4.28% 2.90% 3.47% 3.47% 1.49% 1.49% -0.37%

10+35.00 905.61
10+47.00 905.60
10+51.50 906.33
10+57.00 906.44
10+59.00 906.55

PLOT SCALE: ----------

PLOT NAME: ----------

REV. DATE: ----------

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\STREETS\DGN\53W1149\UTILITIES\ECRCP01001.DGN

DATE: 6/21/2012

BLOCK 101 ALLEY RECON - 2012 PROJECT NO. 53W1149	SHEET NO. P-1
PLAN AND PROFILE	
BLOCK 101 ALLEY	CITY OF MADISON

E. MIFFLIN STREET

E. WASHINGTON AVENUE

CP-1
N=483545.7320
E=821304.8820
ELEV=905.51

CP-2
N=483402.9520
E=821444.0490
ELEV=918.30

CP-2
N=483295.5880
E=821539.6640
ELEV=922.39

BOP Sta = 10+00.00
N=483569.2950
E=821276.6970

EOP Sta = 15+00.00
N=483208.7330
E=821623.1000

N 43°51'10" W
500.00 FT

HAND FORMED CONCRETE ALLEY CURB & GUTTER

SAWCUT TYPE X CURB

7" CONC SIDEWALK & APRON @ DRIVE

MATCH @ EXISTING CONC SLAB

MATCH @ EXISTING CONC SLABS (NO CURB HEAD)

EXISTING CURB TO REMAIN

SAWCUT ASPHALT

CONCRETE CURB & SIDEWALK (BY OTHERS)

BUILDING TO BE REMOVED (BY OTHERS)

MATCH @ EXISTING CONCRETE CURB

MATCH @ EXISTING CONC SLAB

PLACE CARLSON CURB
-RAISE 3" ADJACENT TO BLDGS
-RAISE 2" ADJACENT TO EXISTING PAVEMENT
INCIDENTAL TO HMA PAVEMENT TYPE E-1

0709-133-3009-2
GERALD A BARTELL COMM
THEATRE BLDG CORP
113 E MIFFLIN ST

0709-133-3012-5
FIRSTAR BANK MADISON
C/O US BANK CORP-TAX DEPT
22 N WEBSTER ST

0709-133-3014-1
NEUJAR, THOMAS M
& BRADLEY A BINKOWSKI
12 N WEBSTER ST

0709-133-3018-3
NEUJAR, THOMAS M
& BRADLEY A BINKOWSKI
116 E WASHINGTON AVE

0709-133-3001-8
ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
1 N PICKNEY ST

0709-133-3008-4
YMCA MADISON HOUSING LLC
101 E MIFFLIN ST

0709-133-3007-6
CRESCENT LLC
25 N PICKNEY ST

0709-133-3006-8
OSORIO INVESTMENTS LLC
23 N PICKNEY ST

0709-133-3005-0
OSORIO INVESTMENTS LLC
& WESLI
19 N PICKNEY ST

0709-133-3004-2
GRUBSTAKE PARTNERSHIP
M COLLINS & J KREKELER
15 N PICKNEY ST

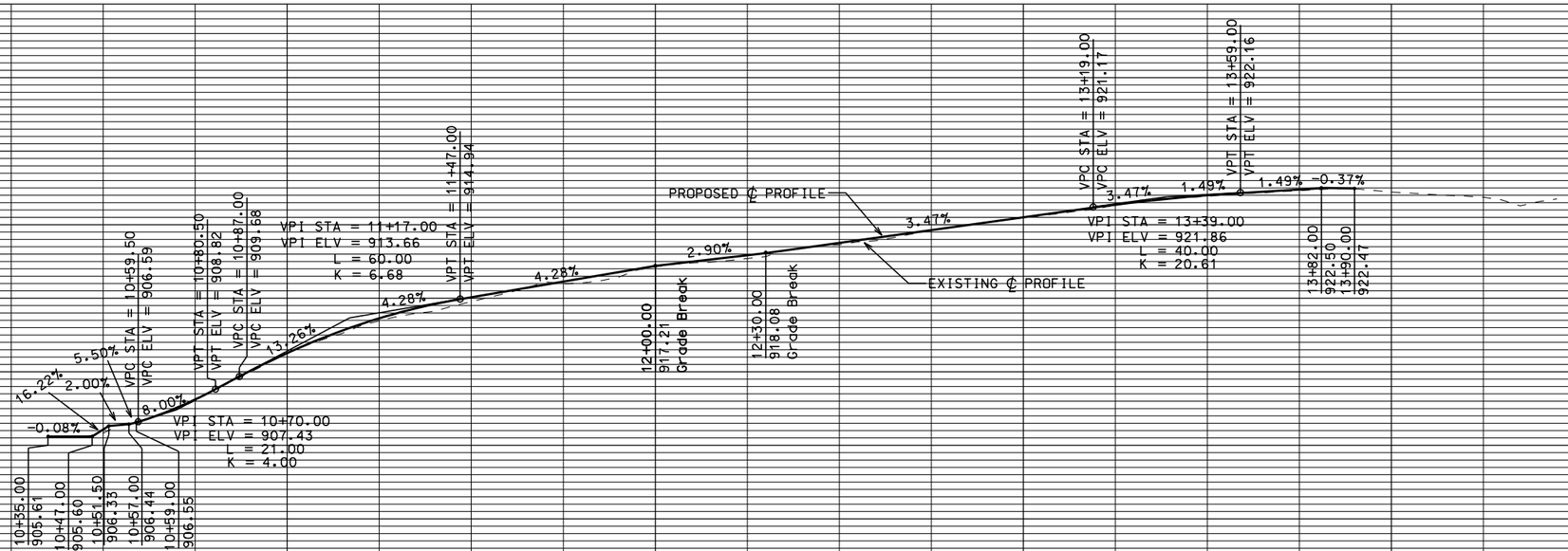
0709-133-3003-4
ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
7 N PICKNEY ST

0709-133-3002-6
BENTLEY, RICHARD R &
KATHERINE R BENTLEY
5 N PINCKNEY ST

0709-133-3001-8
ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
1 N PICKNEY ST

132.0' | 44.0' | 22.0' | 66.0' | 19.0' | 47.0' | 66.0' | 46.0' | 52.0' | 34.0' | 44.0' | 22.0'

ASPHALT | CONC | SAN | STM | W | M | G



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PLOT SCALE: ---------

REV. DATE: ---------

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\STREETS\DGN\53W1149\PLAN\RCP01001.DGN

DATE: 6/22/2012

BLOCK 101 ALLEY RECON - 2012 PROJECT NO. 53W1149	SHEET NO. U-1
PLAN AND PROFILE	
BLOCK 101 ALLEY	CITY OF MADISON

REV #1 9/5/12 LRC--REVISED STORM SEWER

E. MIFFLIN STREET

E. WASHINGTON AVENUE

BOP Sta = 10+00.00

EOP Sta = 15+00.00

EX. SAS #5149-048

EX. SAS #5149-052
ADJUST STRUCTURE
ADD BARREL SECTION
4' DIA ROUND PRECAST
(38" EXISTING ADJUST)
EX. RIM = 913.07
PROP. RIM = 913.33

EX. SAS #5149-053
ADJUST CASTING
(4" CASTING, 4" EX. ADJUST
4'X4' POURED IN PLACE)
EX. RIM = 920.21
PROP. RIM = 920.45

BUILDING TO BE REMOVED (BY OTHERS)

CONCRETE CURB & SIDEWALK (BY OTHERS)

0709-133-3009-2
GERALD A BARTELL COMM
THEATRE BLDG CORP
113 E MIFFLIN ST

0709-133-3012-5
FIRSTAR BANK MADISON
C/O US BANK CORP-TAX DEPT
22 N WEBSTER ST

0709-133-3014-1
NEJUAR, THOMAS M
& BRADLEY A BINKOWSKI
12 N WEBSTER ST

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NEJUAR, THOMAS M
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116 E WASHINGTON AVE

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ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
1 N PICKNEY ST

0709-133-3008-4
YMCA MADISON HOUSING LLC
101 E MIFFLIN ST

0709-133-3007-6
CRESCENT LLC
25 N PICKNEY ST

0709-133-3006-8
OSORIO INVESTMENTS LLC
23 N PICKNEY ST

0709-133-3005-0
OSORIO INVESTMENTS LLC
% WESLI
19 N PICKNEY ST

0709-133-3004-2
GRUBSTAKE PARTNERSHIP
M COLLINS & J KREKELER
15 N PICKNEY ST

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E NORTH PINCKNEY ASSOC
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7 N PICKNEY ST

0709-133-3002-6
BENTLEY, RICHARD R &
KATHERINE R BENTLEY
5 N PINCKNEY ST

0709-133-3001-8
ONE NORTH PINCKNEY ASSOC
LTD PARTNERSHIP
1 N PICKNEY ST

11+00

12+00

13+00

14+00

CHARTER FROM PED AT 113 E. MIFFLIN TO 19 PINCKNEY (LOWER TO ACCOMODATE P-13)

8'-10" DIP @ 4.63%

AT&T 910.69
AT&T 910.89

TOP LOWERED MGE CONDUIT @ S-4
TELECON ALONG ALLEY +/-
ELEC 913.77

AT&T 913.91
4" pvc 912.6

55' 10" DIP @ 4.44%

ELEC 910.73

38'-10" DIP @ 10.00%

ELEC 905.77

38'-10" DIP @ 9.82%

AT&T 904.72

AT&T 904.07

13'-10" DIP @ 7.69%

930 925 920 915 910 905 900 895 890

10+00 11+00 12+00 13+00 14+00 15+00

PLOT SCALE: ----------

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REV. DATE: ----------

ORIGINATOR: CITY_OF_MADISON_STREETS_DIVISION

FILE NAME: M:\DESIGN\STREETS\DGN\53W1149\UTILITIES\RCP01001.DGN

DATE: 9/5/2012

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'AL' =ALLEY

BLOCK 101 ALLEY RECON - 2012	SHEET NO.
PROJECT NO. 53W1149	U-2
STORM SEWER SCHEDULE	
CITY OF MADISON	

***REV#1 9/5/12 LRC--REVISED STORM SEWER**

STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	S-1	10'AL'+52.81	LT-2.95	CONCRETE COLLAR	---	904.30	---	CONNECT TO EX. 12" PVC PIPE
*	**S-10**	**10'AL'+63.55**	**RT-4.17**	SPECIAL INLET	**906.67**	**905.30**	**1.37**	
*	**S-11**	**11'AL'+01.19**	**RT-4.17**	SPECIAL INLET	**911.15**	**909.19**	**1.96**	
*	**S-12**	**11'AL'+39.07**	**RT-4.17**	SPECIAL INLET	**914.30**	**912.99**	**1.31**	**(1)**
*	**S-4A**	**11'AL'+93.58**	**RT-4.17**	SPECIAL INLET	**916.75**	**915.43**	**1.32**	**(1)**
*	**S-4**	**11'AL'+93.50**	**LT-4.18**	SPECIAL INLET	**916.95**	**915.80**	**1.15**	**(2)**

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES	
P-10	**S-1**	**S-10**	**13**	904.30	**905.30**	**7.69%**	10"	DIP		*
P-11	**S-10**	**S-11**	**38**	**905.46**	**909.19**	**9.82%**	**10"**	DIP	**NCM**	*
P-12	**S-11**	**S-12**	**38**	**909.19**	**912.99**	**10.00%**	**10"**	DIP	**(1)**	*
P-13	**S-12**	**S-4A**	**55**	**912.99**	**915.43**	**4.44%**	**10"**	DIP	**(1)**	*
P-4A	**S-4A**	**S-4**	**8**	**915.43**	**915.80**	**4.63%**	8"	DIP		*

SPECIFIC NOTES:

1) COORDINATE W/ AT&T AND CHARTER TO RELO UTILS AS STORM SEWER IS INSTALLED
2) PLACE 1" CONCRETE TO COVER MG&E PLASTIC CONDUIT & PLACE VISQUEEN ABOVE. POUR FLOOR OF STRUCTURE ABOVE VISQUEEN. FLOOR OF STRUCTURE MAY BE THINNED TO 4" WHERE REQUIRED.

STANDARD NOTES:

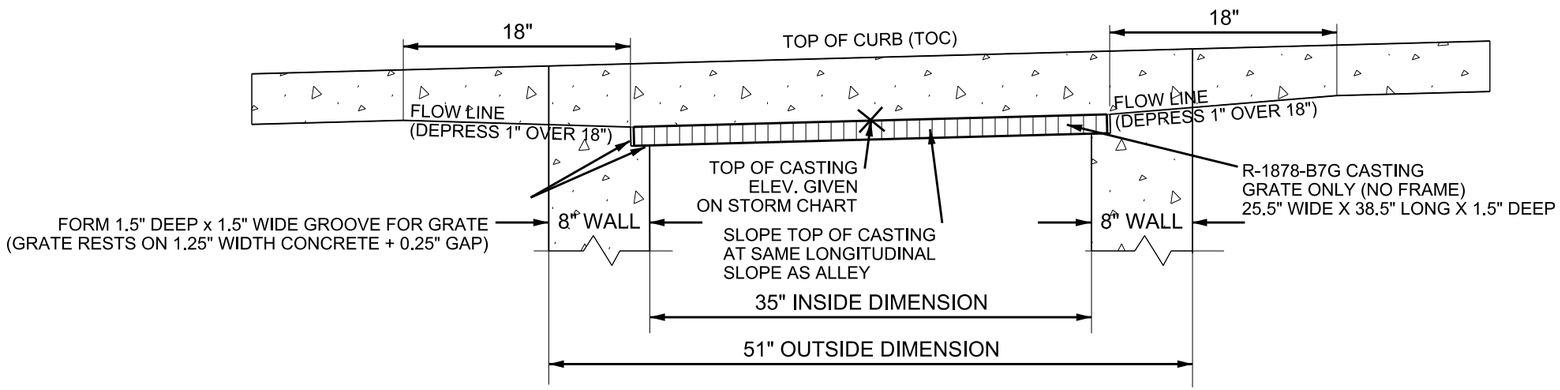
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT LISA COLEMAN OF CITY ENGINEERING AT (608) 266-4093 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

FILE NAME: F:\ENCOMMON\MISC\LISA\ALLEY 101\COPY OF SIZEPIPE.XL

DATE: 09/05/2012

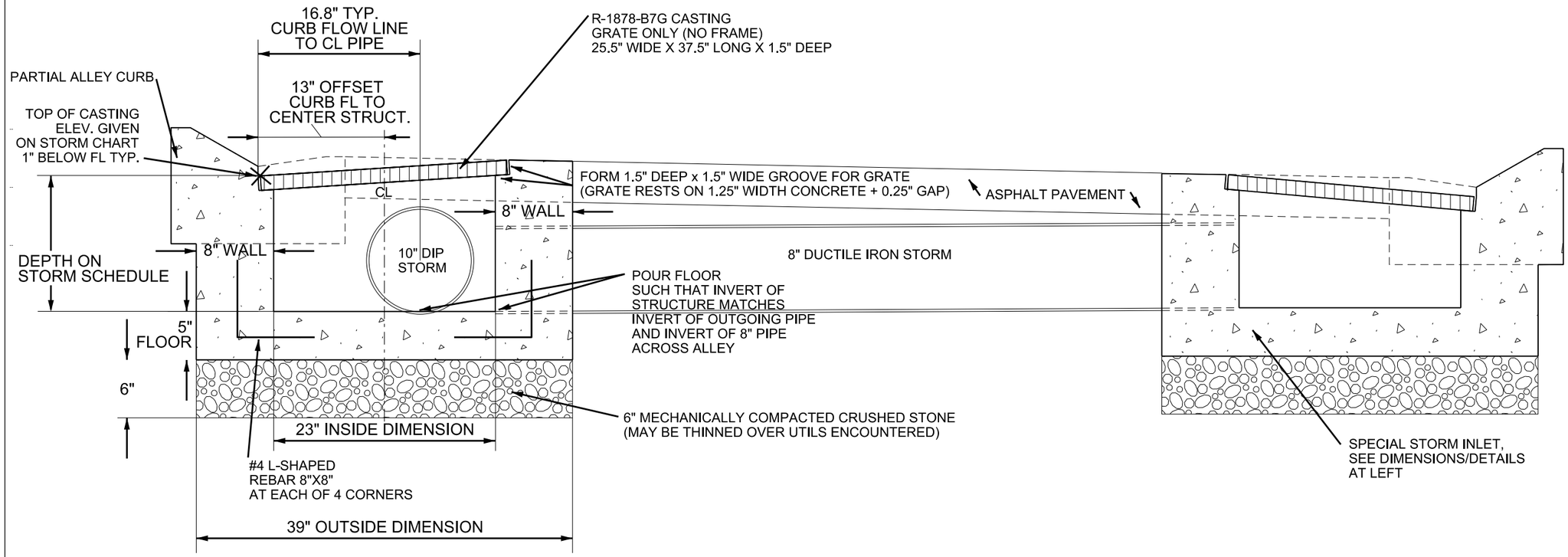
PLOT SCALE: - - -
PLOT NAME: - - -
REV. DATE: - - -
ORIGINATOR: CITY OF MADISON STREETS DIVISION

BLOCK 101 ALLEY PROJECT NO. 53W1149	SHEET NO. UD-1
DETAILS	
STORM SEWER DETAILS	CITY OF MADISON



FRONT ELEVATION - SPECIAL STORM INLET

NOTE:
FOR INLETS IN ASPHALT (NOT IN CURB)
SET TOP OF CASTING 1" BELOW ASPHALT
PROP GRADE AND MATCH EDGES OF PAVEMENT
WITH STRUCTURE



SECTION CUT ACROSS ALLEY LOOKING UP-STATION

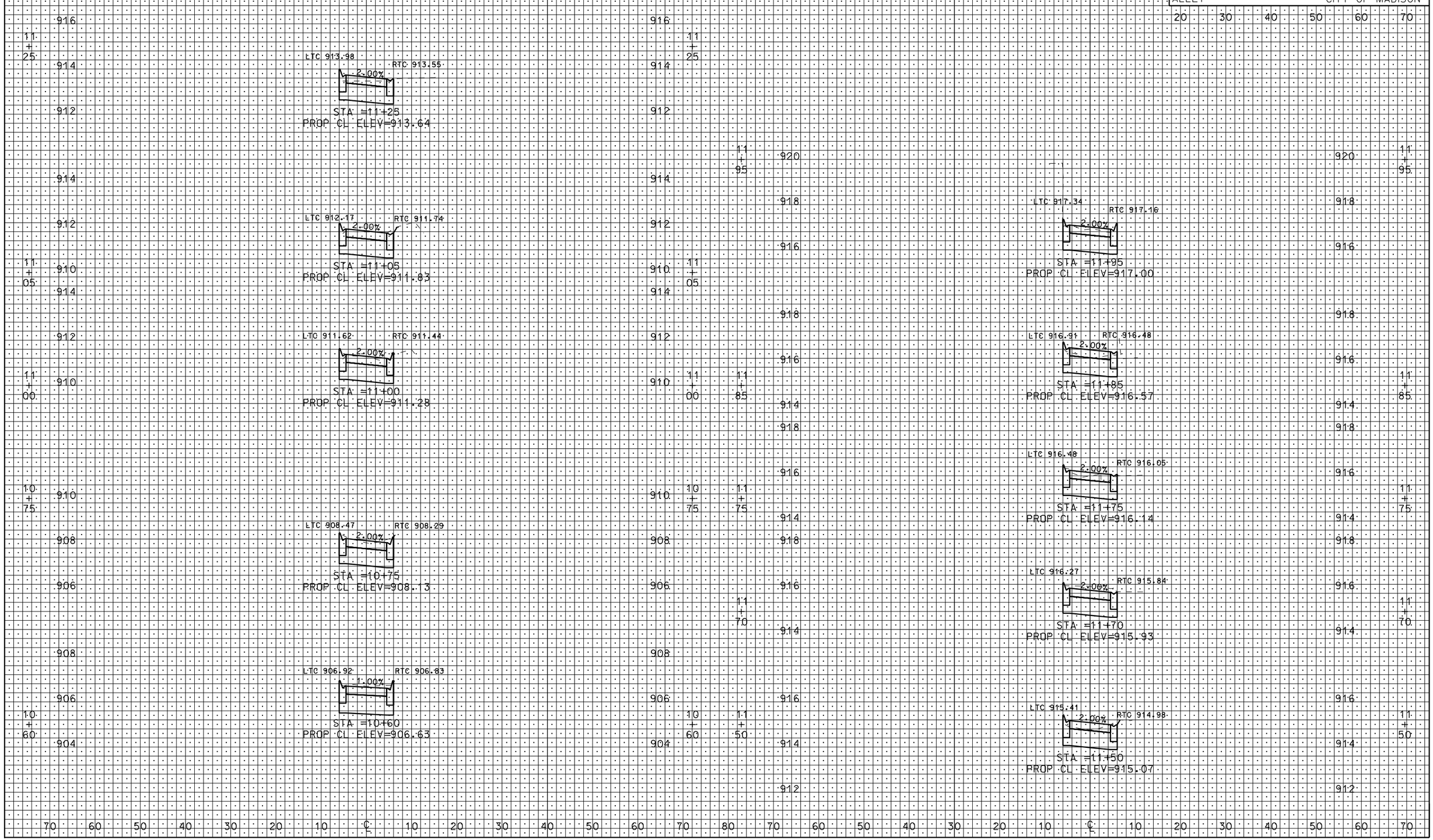
SCALE 1 INCH = 1 FOOT

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\STREETS\DGN\53W1149\Utilities\UtilityDetail.dgn

DATE: 6/14/2012

BLOCK 101 ALLEY RECONSTRUCTION-2012 PROJECT 53W1149	SHEET NO. X-1
CROSS SECTIONS	
ALLEY	CITY OF MADISON



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PLOT NAME: ----------

REV. DATE: ----------

ORIGINATOR: CITY_OF_MADISON.STREETS_DIVISION

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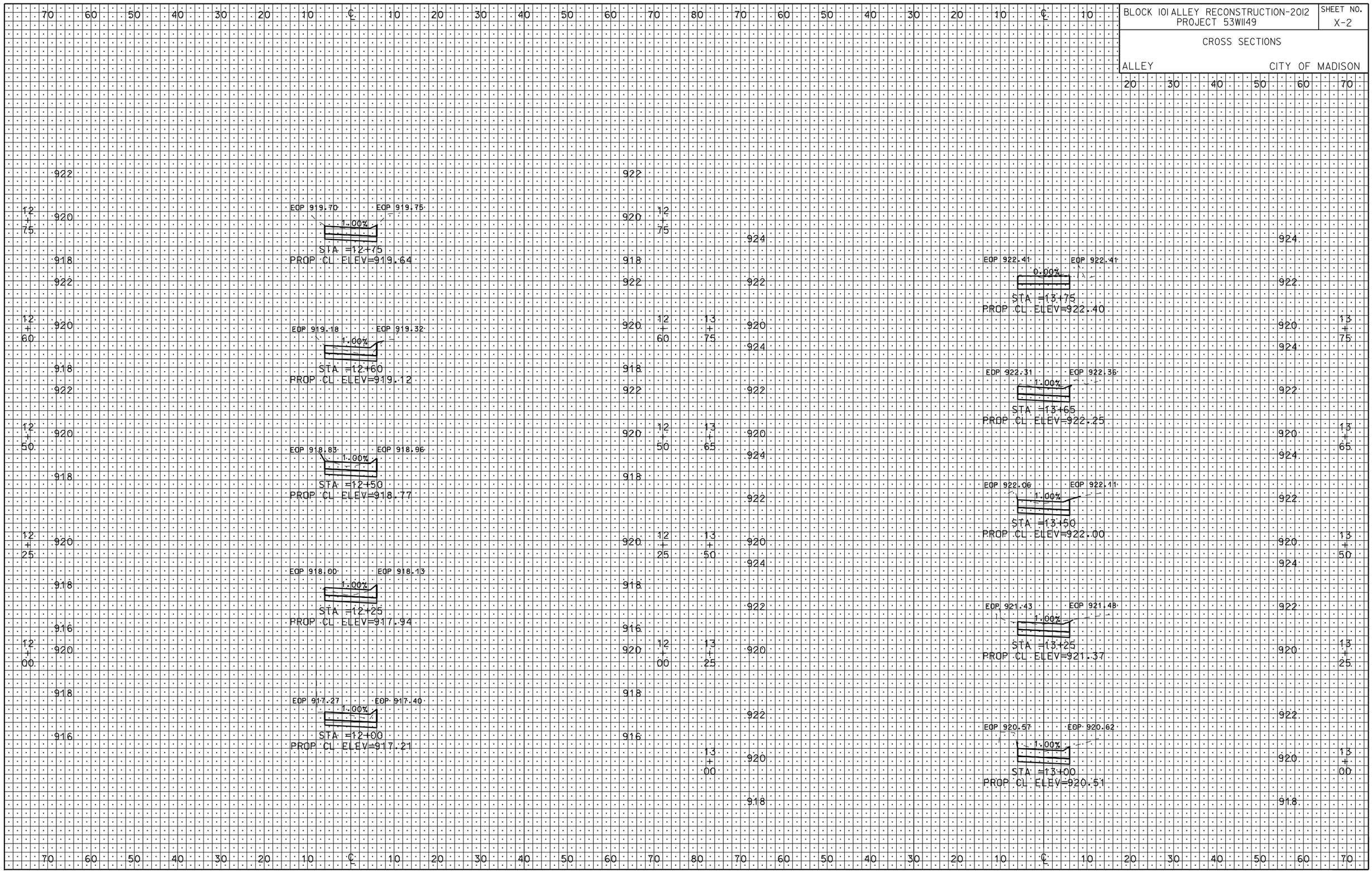
DATE: 6/22/2012

BLOCK 101 ALLEY RECONSTRUCTION-2012 PROJECT 53W1149	SHEET NO. X-2
CROSS SECTIONS	
ALLEY	CITY OF MADISON



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