

ADDENDUM No. 3

ITB No. 4496

West Liberty Reconstruction

Bids Due: May 11, 2017 at 2:00 P.M. (local time)

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for West Liberty Reconstruction, ITB No. 4496, on which proposals will be received on/or before May 11, 2017, at 2:00 P.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 11 pages.**

Bidder is to acknowledge receipt of this Addendum No. 3, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.

The following forms provided within the ITB Document must be included in submitted bids at bid opening.

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS/CLARIFICATIONS

Changes to the Bid documents outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Item #1: Revised plan sheet 37 is included in this addendum. Limits of trench backfill detail IA have been revised.

Item #2: Replace BF-2 with the attached. Deleted pay item "Sewer, CI C 76 IV, 48 inch, Tr Det I, Modified" and replaced with "Sewer, CI C 76 IV, 48 inch, Tr Det IA".

Item #3: Additional soil boring information has been included.

II. REQUEST FOR INFORMATION

1. There are no pay item(s) for any of the storm sewer with the "Trench Detail 1A". Please clarify how this pipe will be paid for.
 - Response: Plan/profile sheet 37 has been revised to correct the limits and BF-2 has been revised to contain the correct pay item.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

BID FORM
Section 1 - Schedule of Prices
Project: ITB 4496 - West Liberty Street Reconstruction

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT (\$)
4027001	Sewer, CI C 76 IV, 12 inch, Tr Det I, Modified	Ft	544	\$ _____	\$ _____
4027001	Sewer, CI C 76 IV, 15 inch, Tr Det I, Modified	Ft	109	\$ _____	\$ _____
4027001	Sewer, CI C 76 IV, 18 inch, Tr Det I, Modified	Ft	52	\$ _____	\$ _____
4027001	Sewer, CI C 76 IV, 24 inch, Tr Det I, Modified	Ft	120	\$ _____	\$ _____
4027001	Sewer, CI C 76 IV, 48 inch, Tr Det IA	Ft	205	\$ _____	\$ _____
4030005	Dr Structure Cover, Adj, Case 1	Ea	29	\$ _____	\$ _____
4030006	Dr Structure Cover, Adj, Case 2	Ea	2	\$ _____	\$ _____
4030010	Dr Structure Cover, Type B	Ea	30	\$ _____	\$ _____
4030050	Dr Structure Cover, Type K	Ea	22	\$ _____	\$ _____
4030390	Dr Structure, Temp Lowering	Ea	90	\$ _____	\$ _____
4037001	Additional Depth Structure Adjust	Ft	19	\$ _____	\$ _____
4037001	Dr Structure, 48 inch dia, Add Depth	Ft	3.86	\$ _____	\$ _____
4037001	Dr Structure, 72 inch dia, Add Depth	Ft	5.86	\$ _____	\$ _____
4037050	Dr Structure Cover, Water-tite	Ea	8	\$ _____	\$ _____
4037050	Dr Structure, Cleanout, 8 inch dia	Ea	8	\$ _____	\$ _____
4037050	Dr Structure, 48 inch dia	Ea	3	\$ _____	\$ _____
4037050	Dr Structure, 48 inch dia, Inlet Leaching	Ea	8	\$ _____	\$ _____
4037050	Dr Structure, Type III, 48 inch dia	Ea	2	\$ _____	\$ _____
4037050	Dr Structure, 72 inch dia	Ea	7	\$ _____	\$ _____
4037050	Dr Structure, 84 inch dia	Ea	2	\$ _____	\$ _____
4037050	Dr Structure, 24 inch dia	Ea	8	\$ _____	\$ _____
4037050	Dr Structure, 36 inch dia	Ea	5	\$ _____	\$ _____
4037050	Reconstruct Structure	Ea	3	\$ _____	\$ _____
4037050	Storm Water Control Structure 84 inch dia	Ea	1	\$ _____	\$ _____

Total This Page \$ _____



LEGEND

- SOIL BORING (TYP)

TITLE: BORING LOCATION PLAN		PROJECT: 2015 GEOTECHNICAL SERVICES – BUNDLE NO 1	
SCALE: 1"=40'	DATE: 06-21-16	PROJECT NO.: 151673	Materials Testing Consultants, inc. 253 DINO DR., SUITE B, ANN ARBOR, MICH. 48103 • PHONE 800-968-8378
FIG. NO.: 9	DR. BY: JB	REV. BY: DSE	



LOG OF BORING

Project No.: 151673

Boring No.: B-40

Sheet: 1 of 1

Project: Soil Borings Bundle No 1

Client: City of Ann Arbor

Location: Ann Arbor, Michigan

Drill Type: Geoprobe 6620DT

Crew Chief: CS Field Eng.: JB Rev. By: JB

Coordinates:

Elevation: 808 ft Datum: NAVD 88 (GPS Observation)

Notes: West Liberty Street; 10'N of South Curb Line and 45'W of S. First Street Centerline

Plugging Record: Backfilled borehole with compacted cuttings, patched pavement with cold patch. Cave in at 8.5 ft.

Date Begin: 04/05/16

Date End: 04/05/16

Tooling	Type	Dia.	Groundwater, ft.	
Casing	SSA	4 1/4"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
SPT Hammer				

Depth Drilled: 10.0 ft.

Component Percentages: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

QP = Calibrated Penetrometer (tons/sq. ft.)

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Dyn. Cone Eq. "N": ASTM STP 399	*USCS Group Symbol	*DESCRIPTION	QP tsf	MST %	DD pcf	REMARKS
807.5	0.5					2.60" HMA, 7.40" Concrete				
807.0	1.0						0.8			
806.5	1.5	A-1			SC	Brown to dark gray clayey SAND; mostly medium to fine sand, some clayey fines, few ORGANICS, moist	1.3	9.7		A-1: Organic odor
806.0	2.0	A-2								
805.5	2.5					Brown clayey SAND with gravel; mostly coarse to fine sand, some clayey fines, little coarse to fine gravel, moist		7.9		
805.0	3.0									
804.5	3.5									
804.0	4.0									
803.5	4.5				SC					
803.0	5.0									
802.5	5.5									Driller noted COBBLE at 5'
802.0	6.0									
801.5	6.5	A-3						7.5		
801.0	7.0						7.0			
800.5	7.5	A-4								
800.0	8.0					Brown poorly graded SAND with gravel; mostly coarse to fine sand, little coarse to fine gravel, moist		13.9		
799.5	8.5									
799.0	9.0				SP					
798.5	9.5									
798.0	10.0						10.0			

End of Boring

* Visual estimate following ASTM D 2488 unless laboratory testing has been performed. Stratification changes are approximated between samples.



LOG OF BORING

Project No.: 151673

Boring No.: B-41

Sheet: 1 of 1

Project: Soil Borings Bundle No 1

Client: City of Ann Arbor

Location: Ann Arbor, Michigan

Drill Type: Geoprobe 6620DT

Crew Chief: CS Field Eng.: JB Rev. By: JB

Coordinates:

Elevation: 811 ft Datum: NAVD 88 (GPS Observation)

Notes: West Liberty Street; 4'S of North Curb Line and 70'E of S. First Street Centerline

Plugging Record: Backfilled borehole with compacted cuttings, patched pavement with cold patch. Cave in at 7.8 ft.

Date Begin: 03/24/16

Date End: 03/24/16

Tooling	Type	Dia.	Groundwater, ft.	
Casing	SSA	4 1/4"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
SPT Hammer				

Depth Drilled: 10.0 ft.

Component Percentages: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

QP = Calibrated Penetrometer (tons/sq. ft.)

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Dyn. Cone Eq. "N": ASTM STP 399	*USCS Group Symbol	*DESCRIPTION	QP tsf	MST %	DD pcf	REMARKS
810.5	0.5					3.85" HMA, 10.15" Concrete				
810.0	1.0						1.2			
809.5	1.5									
809.0	2.0	A-1				Brown clayey SAND; mostly medium to fine sand, some clayey fines, moist		12.9		
808.5	2.5									
808.0	3.0					Grades with fine gravel at 3.0'				
807.5	3.5									
807.0	4.0	A-2				Grades dark gray at 5.8'		15.5		
806.5	4.5									
806.0	5.0									
805.5	5.5									
805.0	6.0	A-3			SC			12.8		A-3: organic odor
804.5	6.5									
804.0	7.0									
803.5	7.5									
803.0	8.0	A-4				Grades brown at 7.8'		9.0		
802.5	8.5									
802.0	9.0									
801.5	9.5									
801.0	10.0						10.0			

End of Boring

* Visual estimate following ASTM D 2488 unless laboratory testing has been performed. Stratification changes are approximated between samples.



**LOG
OF
BORING**

Project No.: 151673

Boring No.: B-42

Sheet: 1 of 1

Project: Soil Borings Bundle No 1

Client: City of Ann Arbor

Location: Ann Arbor, Michigan

Drill Type: Geoprobe 6620DT

Crew Chief: CS **Field Eng.:** JB **Rev. By:** JB

Coordinates:

Elevation: 815 ft **Datum:** NAVD 88 (GPS Observation)

Notes: West Liberty Street; Located 5'N of South Curb Line and 150'E of First Street Centerline

Plugging Record: Backfilled borehole with compacted cuttings, patched pavement with cold patch. Cave in at 7.4 ft.

Date Begin: 03/24/16

Date End: 03/24/16

Tooling	Type	Dia.	Groundwater, ft.	
Casing	SSA	4 1/4"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
SPT Hammer				

Depth Drilled: 10.0 ft.

Component Percentages: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

QP = Calibrated Penetrometer (tons/sq. ft.)

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Dyn. Cone Eq. "N": ASTM STP 399	*USCS Group Symbol	*DESCRIPTION	QP tsf	MST %	DD pcf	REMARKS
814.5	0.5	A-1				4.25" HMA, 7.00" Concrete				
814.0	1.0						0.9			
813.5	1.5	A-2			SC	Brown clayey SAND with gravel; mostly medium to fine sand, some clayey fines, little coarse to fine gravel		14.0		
813.0	2.0									
812.5	2.5									
812.0	3.0									
811.5	3.5	A-3			CL	Grades without gravel at 5.5'		15.3		
811.0	4.0									
810.5	4.5									
810.0	5.0	A-4			CL	Brown sandy lean CLAY; mostly clayey fines, some medium to fine sand, moist		16.8		
809.5	5.5									
809.0	6.0									
808.5	6.5									
808.0	7.0									
807.5	7.5									
807.0	8.0									
806.5	8.5									
806.0	9.0									
805.5	9.5									
805.0	10.0									

End of Boring

* Visual estimate following ASTM D 2488 unless laboratory testing has been performed. Stratification changes are approximated between samples.



**LOG
OF
BORING**

Project No.: 151673

Boring No.: B-43

Sheet: 1 of 1

Project: Soil Borings Bundle No 1

Client: City of Ann Arbor

Location: Ann Arbor, Michigan

Drill Type: Geoprobe 6620DT

Crew Chief: CS **Field Eng.:** JB **Rev. By:** JB

Coordinates:

Elevation: 827 ft **Datum:** NAVD 88 (GPS Observation)

Notes: West Liberty Street; 3'N of South Curb Line and 39'W of South Ashley Street Centerline

Plugging Record: Backfilled borehole with compacted cuttings, patched pavement with cold patch. Cave in at 5.1 ft.

Date Begin: 04/05/16

Date End: 04/05/16

Tooling	Type	Dia.	Groundwater, ft.	
Casing	SSA	4 1/4"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
SPT Hammer				

Depth Drilled: 6.1 ft.

Component Percentages: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

QP = Calibrated Penetrometer (tons/sq. ft.)

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Dyn. Cone Eq. "N": ASTM STP 399	*USCS Group Symbol	*DESCRIPTION	QP tsf	MST %	DD pcf	REMARKS
826.5	0.5					10.40" HMA, 8.90" Concrete	1.6			
826.0	1.0									
825.5	1.5									
825.0	2.0									
824.5	2.5	A-1			SP	Brown poorly graded SAND; mostly coarse to fine sand, trace clayey fines, trace fine gravel, moist		12.2		
824.0	3.0									
823.5	3.5									
823.0	4.0									
822.5	4.5	A-2						6.4		
822.0	5.0									
821.5	5.5									
821.0	6.0	A-3						4.8		

End of Boring

Refusal due to possible coarse gravel or COBBLE

* Visual estimate following ASTM D 2488 unless laboratory testing has been performed. Stratification changes are approximated between samples.



LOG OF BORING

Project No.: 151673

Boring No.: B-45

Sheet: 1 of 1

Project: Soil Borings Bundle No 1

Client: City of Ann Arbor

Location: Ann Arbor, Michigan

Drill Type: Geoprobe 6620DT

Crew Chief: CS **Field Eng.:** JB **Rev. By:** JB

Coordinates:

Elevation: 836 ft **Datum:** NAVD 88 (GPS Observation)

Notes: West Liberty Street; 6.5'S of North Curb Line and 156'W of South Main Street Centerline

Plugging Record: Backfilled borehole with compacted cuttings, patched pavement with cold patch. Cave in at 4.9 ft.

Date Begin: 04/04/16

Date End: 04/04/16

Tooling	Type	Dia.	Groundwater, ft.	
Casing	SSA	4 1/4"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
SPT Hammer				

Depth Drilled: 10.0 ft.

Component Percentages: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

QP = Calibrated Penetrometer (tons/sq. ft.)

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Dyn. Cone Eq. "N": ASTM STP 399	*USCS Group Symbol	*DESCRIPTION	QP tsf	MST %	DD pcf	REMARKS	
835.5	0.5	A-1				4.80" HMA, 3.60" Paver	0.7			Core: HMA section damaged during coring due to coarse agg in mix	
835.0	1.0					Brown poorly graded SAND with gravel; mostly coarse to fine sand, some coarse to fine gravel, trace clayey fines, moist, frequent COBBLE		9.3			
834.5	1.5										
834.0	2.0										
833.5	2.5										
833.0	3.0	A-2			SP			7.6			
832.5	3.5										
832.0	4.0										
831.5	4.5										
831.0	5.0	A-3						6.9			
830.5	5.5										
830.0	6.0										
829.5	6.5										
829.0	7.0	A-4						8.8			
828.5	7.5										
828.0	8.0										
827.5	8.5										
827.0	9.0										
826.5	9.5										
826.0	10.0						10.0				

End of Boring

* Visual estimate following ASTM D 2488 unless laboratory testing has been performed. Stratification changes are approximated between samples.



LOG OF BORING

Project No.: 151673

Boring No.: B-46

Sheet: 1 of 1

Project: Soil Borings Bundle No 1

Client: City of Ann Arbor

Location: Ann Arbor, Michigan

Drill Type: Geoprobe 6620DT

Crew Chief: CS

Field Eng.: JB

Rev. By: JB

Coordinates:

Elevation: 839 ft **Datum:** NAVD 88 (GPS Observation)

Notes: West Liberty Street; 10.5'N of South Curb Line and 60'W of South Main Street Centerline

Plugging Record: Backfilled borehole with compacted cuttings, patched pavement with cold patch. Cave in at 5.7 ft.

Date Begin: 04/05/16

Date End: 04/05/16

Tooling	Type	Dia.	Groundwater, ft.	
Casing	SSA	4 1/4"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
SPT Hammer				

Depth Drilled: 10.0 ft.

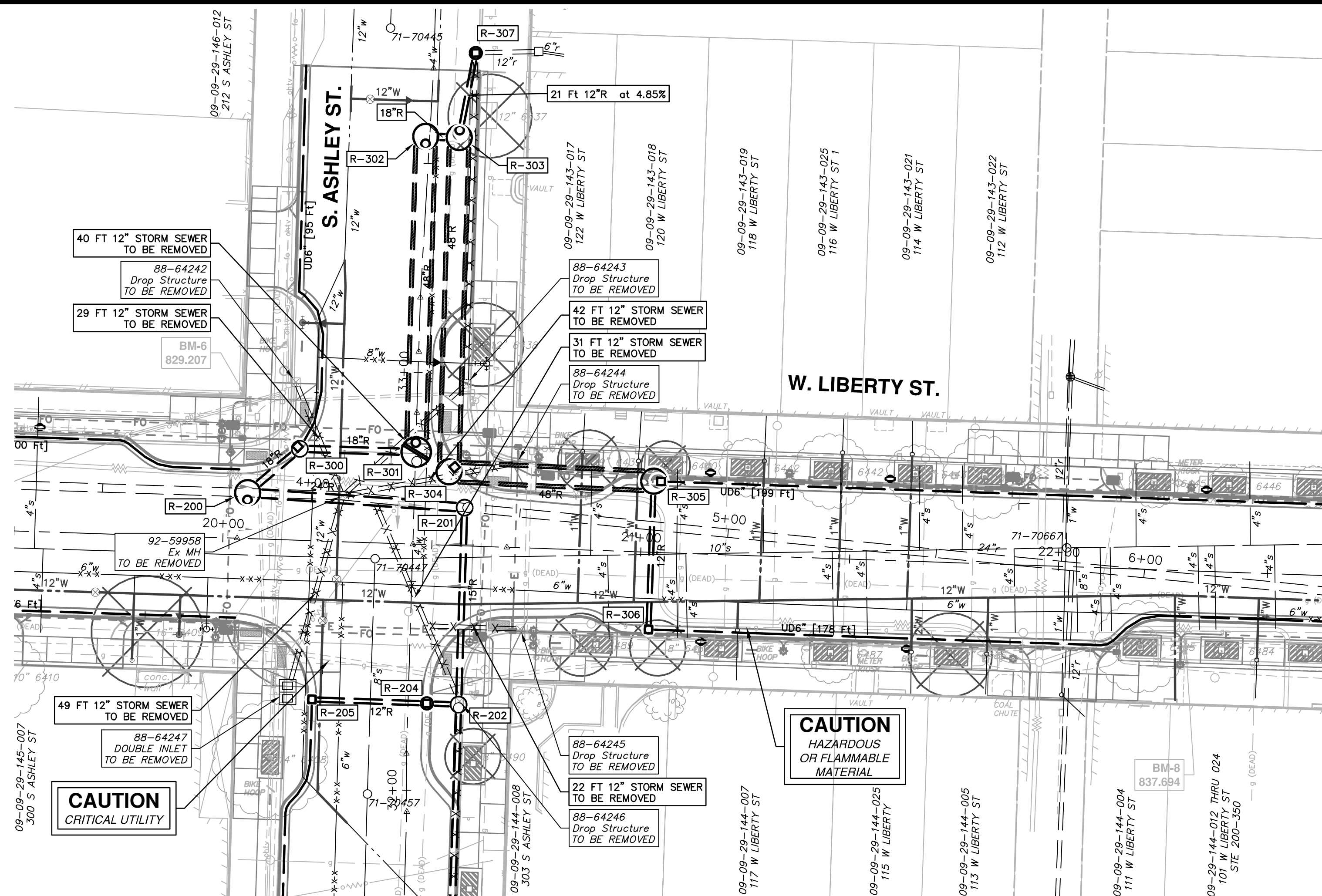
Component Percentages: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

QP = Calibrated Penetrometer (tons/sq. ft.)

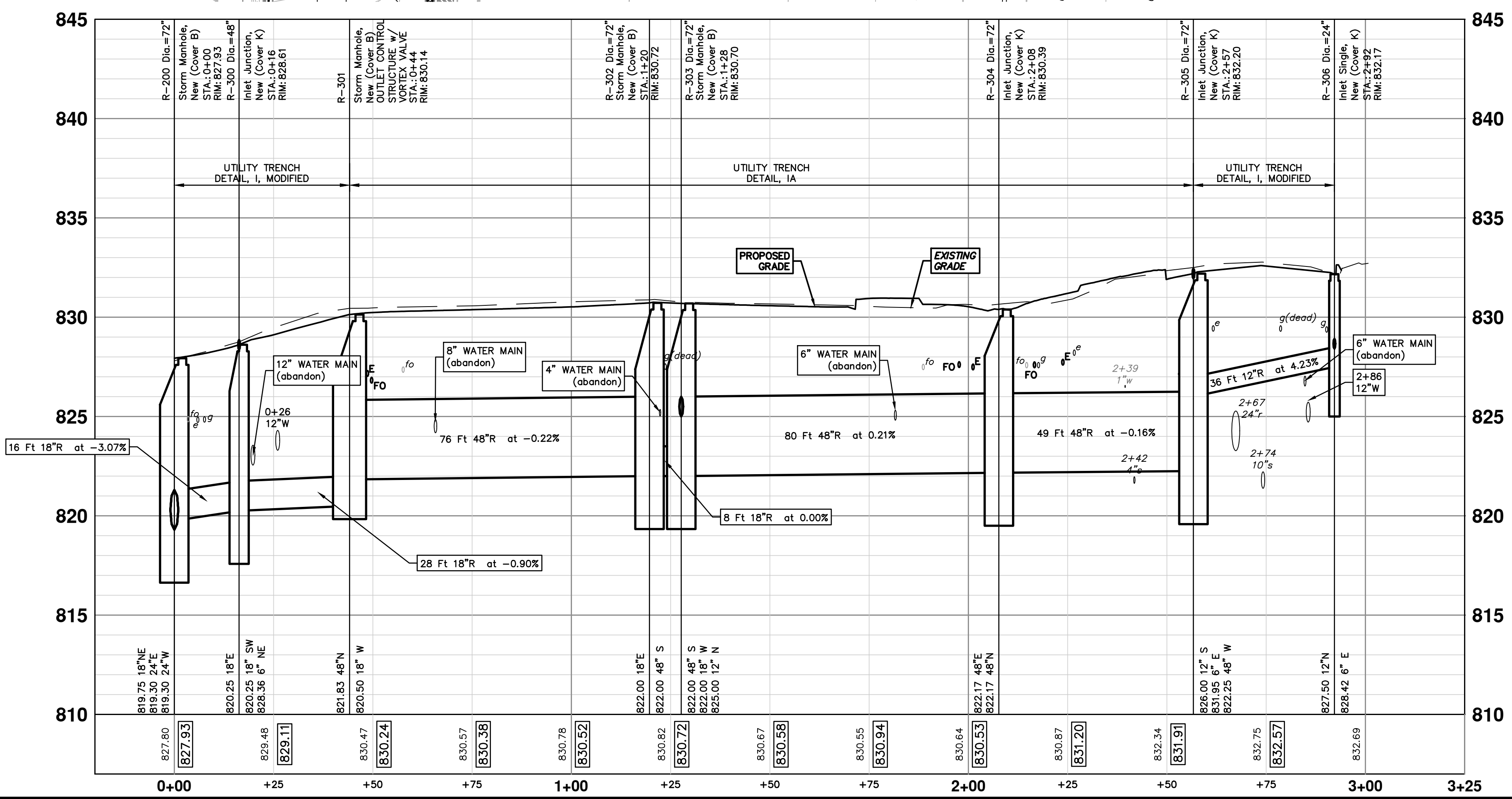
Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Dyn. Cone Eq. "N": ASTM STP 399	*USCS Group Symbol	*DESCRIPTION	QP tsf	MST %	DD pcf	REMARKS
838.5	0.5	A-1				6.15" HMA, 4.05" Paver	0.8			
838.0	1.0									
837.5	1.5	A-1			SC	Brown clayey SAND with gravel; mostly coarse to fine sand, some clayey fines, little coarse to fine gravel, moist	14.4			
837.0	2.0									
836.5	2.5									
836.0	3.0									
835.5	3.5	A-2			SC		9.0			
835.0	4.0									
834.5	4.5									
834.0	5.0	A-3			SC		9.2			
833.5	5.5									
833.0	6.0									
832.5	6.5	A-4			SP	Brown to gray poorly graded SAND with gravel; mostly medium to fine sand, little coarse to fine gravel, moist	3.3			
832.0	7.0									
831.5	7.5									
831.0	8.0									
830.5	8.5	A-4			SP		3.3			
830.0	9.0									
829.5	9.5									
829.0	10.0						10.0			

End of Boring

* Visual estimate following ASTM D 2488 unless laboratory testing has been performed. Stratification changes are approximated between samples.



STORM SEWER STRUCTURE TABLE					
STRUCTURE	INVERT ELEVATION, SIZE & DIRECTION	TOP OF CASTING ELEVATION	DEPTH (Feet)	SIZE	APPLICATION / CONSTRUCTION
R-200	18" NE 819.75 24" W 819.30	827.93	10.63	72" Dia.	Storm Manhole, New (Cover B)
R-300	18" SW 820.25 6" NE 828.36 18" E 820.25	828.61	10.36	48" Dia.	Inlet Junction, New (Cover K)
R-301	18" W 820.50 48" N 821.83	830.14	9.64	84" Dia.	Storm Manhole, New (Cover B) OUTLET CONTROL STRUCTURE w/ VORTEX VALVE
R-302	48" S 822.00 18" E 822.00	830.72	10.72	72" Dia.	Storm Manhole, New (Cover B)
R-303	48" S 822.00 18" W 822.00 12" N 825.00	830.70	10.70	72" Dia.	Storm Manhole, New (Cover B)
R-304	48" E 822.17 48" N 822.17	830.39	10.22	72" Dia.	Inlet Junction, New (Cover K)
R-305	12" S 826.00 6" E 831.95 48" W 822.25	832.20	11.95	72" Dia.	Inlet Junction, New (Cover K)
R-306	6" E 828.42 12" N 827.50	832.17	6.67	24" Dia.	Inlet Single, New (Cover K)
R-307	12" E 827.45 12" S 826.00	830.75	6.75	36" Dia.	Inlet Junction, New (Cover K)



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
WEST LIBERTY STREET RECONSTRUCTION S.
FIRST ST. - N. MAIN ST.
 STORM SEWER PLAN AND PROFILE
 S ASHLEY ST - STORM NORTH

SCALE PLAN: 1" = 20'
 PROFILE: 1" = 2'

DRAWING NO. **2015034-37**

SHEET NO. **37 OF 63**

811
 Know what's below.
 Call before you dig.

01	ADDENDUM #3	05/09/17	CEC	CEC
00	ADDENDUM #2	05/08/17	CEC	CEC
	REV.	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR
 PUBLIC SERVICES
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 P.O. BOX 8647
 ANN ARBOR MI 48107-8647
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