

**City of Springfield
Engineering and Transportation Division**



Authorized by: Ken Wagner
Title: City Engineer
Date: 5/31/12

June 1, 2012

**Addendum Number 2 to the Contract Documents for the
Invitation to Bid for P21046; 58th Street Relief Sanitary Sewer Line and
Bypass Manhole**

The City of Springfield is amending the above mentioned Invitation to Bid issued on May 8, 2012. This Addendum is hereby made a part of the original contract documents to the same extent as though it were originally included therein.



RENEWS 12-31-13

MURRAY, SMITH & ASSOCIATES, INC.
121 SW Salmon, Suite 900
Portland, OR 97204
(503) 225-9010

- 1.) In the Table of Contents, under 16. Supplementary Information, Appendix A – Reports Prepared by Others, ADD the following:

“Prepared by Springfield Utility Board (SUB):

- Springfield Utility Board Memorandum, dated May 25, 2012”

- 2.) In Supplementary Information, Appendix A – Reports Prepared by Others, on page 6 of the Phase II Geotechnical Investigation Report, prepared by Foundation Engineering, Inc., REPLACE Table 1. Summary of Piezometric Data with the following revised Table 1:

Table 1. Summary of Piezometric Data

Borehole	Date	Water Depth (feet)	Water Elevation (feet)
BH-2	1/25/12	8.4	500.6
	2/6/12	9.7	499.3
	3/6/12	9.6	499.4
	5/25/12	10.0	499.0
BH-5	1/25/12	5.8	497.2
	2/6/12	6.7	496.3
	3/6/12	6.5	496.5
	5/25/12	7.6	495.4

- Note:
1. Piezometric water depths are referenced to the surface of the Morris monument.
 2. Water surface elevations were estimated from borehole surface elevations provided by MSA.
 3. Estimated pipe invert elevations for BH-2 and BH-5 are ±El. 492 and ±El. 496, respectively.

- 3.) In Supplementary Information, Appendix A – Reports Prepared by Others, ADD the attached Springfield Utility Board Memorandum, dated May 25, 2012.

In the event that it is necessary to further amend, revise or supplement any part this Invitation to Bid additional addenda will be posted on the City's website at http://www.springfield-or.gov/Pubworks/P21046_58th_Street_Relief_Sanitary_Sewer_Line_and_Bypass_Manhole.htm. The City will make a reasonable effort to provide the addenda to all Bidders to whom the City provided the initial Invitation to Bid. The City is not responsible for any explanation, clarification, interpretation or approval made or given in any manner except by written addenda issued by City.

All Addenda issued are considered to be part of the specifications of the Invitation to Bid and, as such, are incorporated into the Contract as specified in Section 104.02 of the Standard Construction Specifications.

By signing below, I acknowledge the receipt of the following Addenda documents and certify that the specifications contained have been considered and incorporated into the bid as presented.

ALL BIDDERS MUST ACKNOWLEDGE THIS ADDENDUM BY SIGNING AND DATING THIS DOCUMENT, LISTING IT ON THE BID ITEM LIST AND INCLUDING IT AS PART OF THEIR SUBMITTAL PACKAGE.

Signature

Date

**SUB WATER DIVISION
MEMORANDUM**

TO: Bill Evonuk (MSA), Jesse Jones (City of Springfield)

FROM: Ladd Boyce

DATE: May 25, 2012

SUBJECT: **58th St. relief sanitary sewer line & bypass manhole. City project number P21046**

Bill and Jesse,

I have received this project from Bart McKee and have had a chance to review the final drawings. Jesse has let me know that the bids are due June 5th for the project. I wanted to cover some items so that, once awarded, the contractor is aware of our facilities they will be coming in contact with on this project.

- Any damage to a located water facility would be repaired/relocated by SUB water crews only and cost for the construction billed to the contractor.
- Any located service damaged along the alignment may be temporarily coupled (by SUB) to get the service back in water. Coupling a service is not a permanent fix. SUB will replace the entire service from the main to the meter and the cost of construction will be billed to the contractor.
- We do not believe that there are any services in the CDF area of the replacement section. If the contractor finds that a service line is going to be encased in CDF please notify SUB prior to pouring so we can relocate the service out of the CDF section. SUB will pay for the cost of relocating a service out of the CDF section.

I have included a mark-up set for water facilities and have labeled the crossing locations.

Crossing summary:

Ⓐ Sheet C-1, 12" Cast Iron main crossing. Pipe was installed in 1958 and is leadite joint. Leadite is not flexible and can break apart if the pipe is moved or flexed at all. Support pipe in place over trench.

Ⓑ Sheet C-1, 6" fire hydrant lateral. Cast iron fire hydrant lateral installed in 1951. Sewer trench at this location will most likely expose the portion of the line that is outside the sidewalk. Use caution when excavating around the lateral and support as necessary to protect in trench. SUB can shut the valve off to the hydrant prior to construction if needed. If the pipe happens to fail during construction of the sewer the main would need to be shut down to repair.

Ⓒ Sheet C-2, 6" AC line crossing. Support pipe in place over trench.

Ⓓ Sheet C-2, 2- 1" service crossings. Protect in place

Ⓔ Sheet C-2, 2- 1" services. Protect in place.

Ⓕ Sheet C-3, 6" AC line crossing. Support pipe in place over trench.

Ⓖ Sheet C-3, 1" service. Protect in place.

****** Pit Area & Receiving pit area****** - Sheets C-3 & C-4. 8" Leadite joint Cast Iron installed in 1951 and 2" meter (pit area). Leadite is not flexible and can break apart if the pipe is moved or flexed at all. Protect pipe and 2" meter in place in pit/receiving pit area.

Ⓕ Sheet C-4, 8" Leadite joint Cast Iron installed in 1951. Leadite is not flexible and can break apart if the pipe is moved or flexed at all. Support pipe in place over trench.

Ⓖ Sheet C-4, 2-3/4" services. Protect in place.

Ⓙ Sheet C-5, 8" AC crossing (plans indicate 6"). Support pipe in place over trench.

Ⓚ Sheet C-5, 3/4" service, protect in place.

ⓁⓂⓃ Sheet C-6, 6-3/4" services. Protect in place.

Ⓞ Sheet C-6, 8" AC crossing. Support pipe in place over trench.

ⓅⓆⓇⓈⓉⓊⓋ Sheets C-7 & C-8, 10-3/4" services. Protect in place.

Ⓦ Sheet C-9, 12" Cast Iron main crossing. Installed in 1958. Possible leadite joint cast. Support in place over trench.

Ⓧ Sheet C-9, 6" AC line crossing. Support pipe in place over trench.

Ⓨ Sheet C-9, 6" AC line crossing. Support pipe in place over trench.

Ⓩ Sheet C-9, 2" HDPE (not shown on plans) drilled across 58th St. Protect in place.

ⒶⒶ ⒷⒷ ⒸⒸ ⒹⒹ ⒺⒺ Sheet C-9, 5-3/4" services. Protect in place

ⒻⒻ Sheet C-10, 6" AC line crossing. Support pipe in place over trench.

ⓐⓐ Sheet C-10, 2-3/4" services. Protect in place.

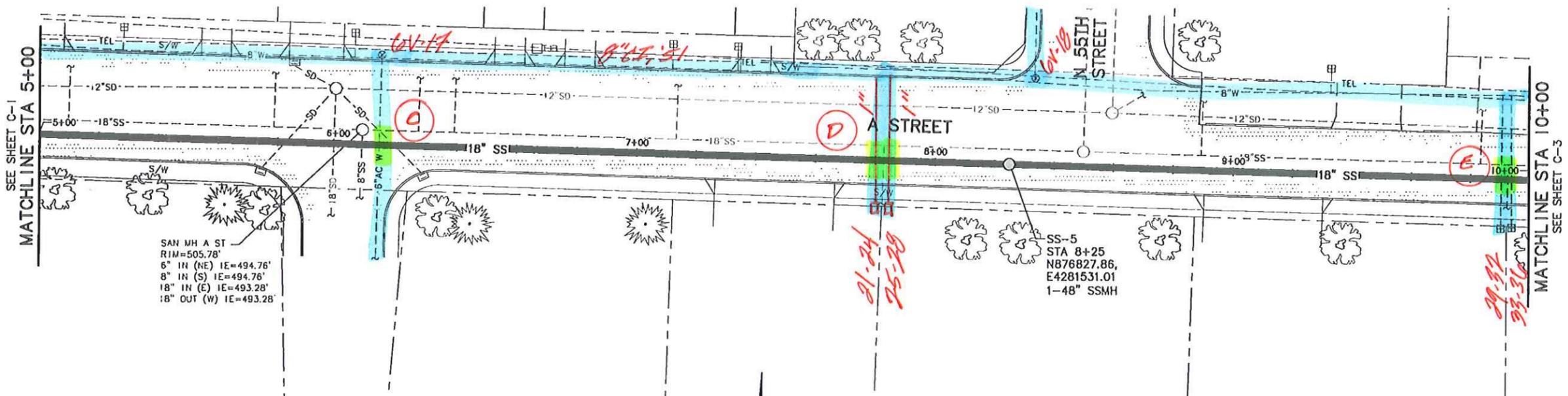
ⓗⓗ Sheet C-10, 10" Cast Iron crossing. Rubber jointed Cast Iron installed in 1963. Support pipe in place over trench.

We would like to attend the pre-con. when it is scheduled. Please don't hesitate to contact me with any questions.

Thank You,

Ladd Boyce, Engineering Technician
Tel (office): 541-736-3292 * Tel (mobile): 541-501-0749 * Fax: 541-747-7348
Email: LaddB@subutil.com

G:\PDX_Projects\11\1226\CAD\Sheets\CIVIL\11-1226-CIVIL-C2.dwg P-11-1226-CIVIL-C2 4/25/2012 3:58 PM JLP 18.1s (LWS Tech)

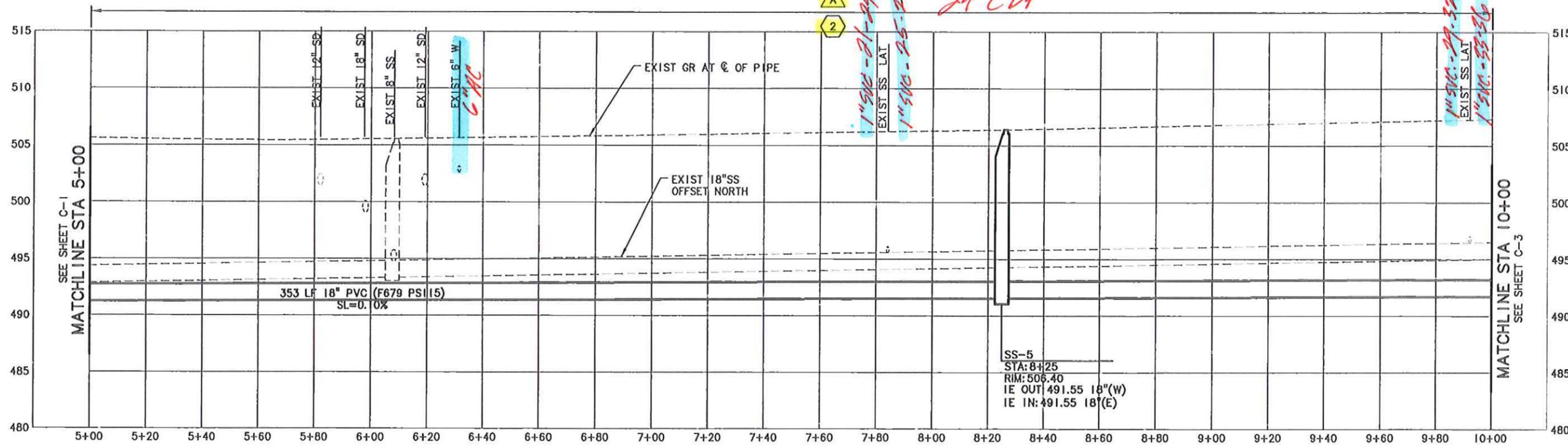


C - 6" AC, 78.52. PROP. SS IS 12.5'± DEEP TRENCH.
PROP. TRENCH SECTION IS 3.5' WIDE (QUESTIONABLE)

D - 2-1" SERVICES (78-52)

E - 2-1" SERVICES (78-52)

PLAN
SCALE: 1"=20'



PROFILE

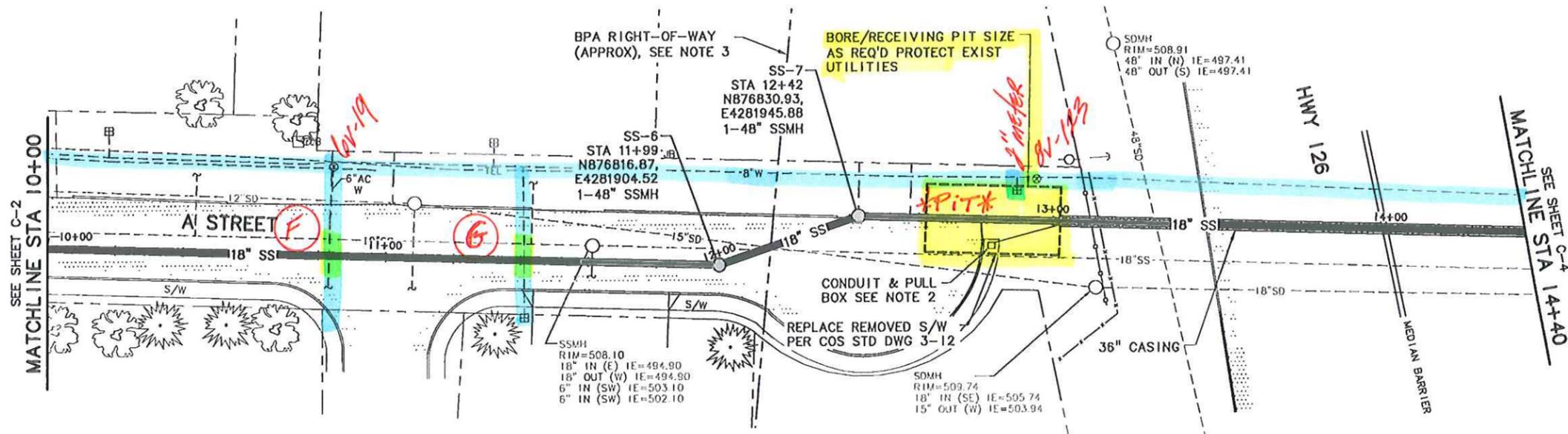
SCALE: 1"=20' HORIZ, 1"=5' VERT

P21046 58th Street Relief Sanitary Sewer Line and Bypass Manhole - Attachment to Addendum #2 Dated 06-01-2012 Page 5 of 13

	NO.	DATE	REVISION
	BY		
	DESIGNED:	WSE	
	DRAWN:	TEO	
	CHECKED:	WSE	
	APPROVED:	KPM	
PROJECT:	CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046		
SHEET TITLE:	PLAN AND PROFILE - A STREET STA 5+00 TO STA 10+00		
DATE:	MAY 2012		
PROJECT:	11-1226.201		

CITY PROJECT NUMBER P21046

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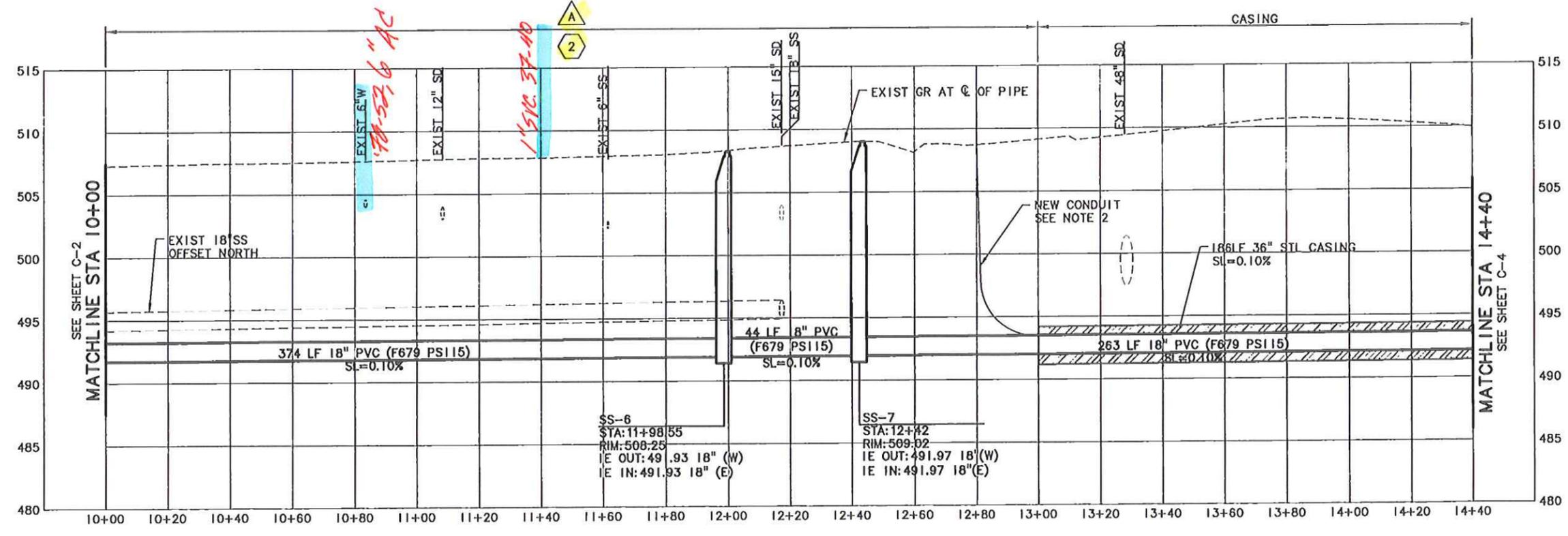
NOTES:

- REFER TO SPECIFICATIONS AND ODOT PERMIT FOR HIGHWAY 126 JACK AND BORE CROSSING REQUIREMENTS. IF SETTLEMENT OF THE EXISTING GROUND OCCURS, STOP WORK IMMEDIATELY AND NOTIFY ENGINEER, ODOT AND CITY.
- FROM APPROXIMATE STATION 12+80 TO STATION 14+90 INSTALL TWO 4-INCH DIAMETER AND TWO 2-INCH DIAMETER PVC CONDUITS IN CASING WITH CARRIER PIPE. CONDUITS SHALL BE RIGID PVC SCHEDULE 40, UL LISTED FOR DIRECT BURIAL UNDERGROUND AND SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF FEDERAL SPECIFICATION WW-C-1094, AND NATIONAL ELECTRICAL CODE. MINIMUM SWEEP ON CONDUITS SHALL BE 36 INCHES. TERMINATE CONDUITS WITH CAPPED ENDS AT PULL BOXES, UTILITY VAULT MODEL 37-1220 WITH BOLT DOWN GALVANIZED STEEL COVER. FINAL LOCATION OF PULL BOXES TO DETERMINED IN THE FIELD WITH THE ENGINEER.
- A CERTIFIED BPA SAFETY WATCHER MUST BE ON-SITE DURING ALL CONSTRUCTION ACTIVITIES WITHIN BPA RIGHT-OF-WAY. A LIST OF CERTIFIED BPA SAFETY WATCHERS CAN BE OBTAINED FROM BPA. CONTRACTOR SHALL PROVIDE THE SERVICES OF THE CERTIFIED BPA WATCHER AT NO ADDITIONAL COST TO THE OWNER.

(G) - 1" SERVICE TO 37-40 ('78-52)

(F) - 6" AC CROSSING ('78-52)

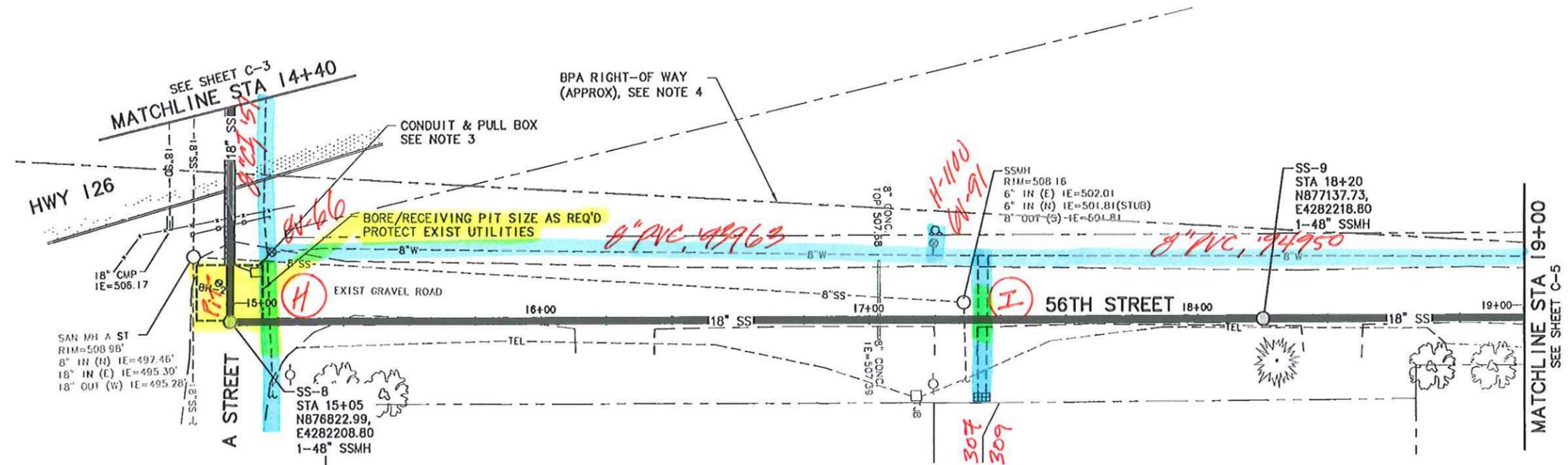
PLAN
SCALE: 1"=20'



PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

	DESIGNED: WSE	NO. I. DATE	BY
	DRAWN: TEO	REVISION	
CHECKED: WSE			
APPROVED: RPM			
PROJECT NAME: CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046		SHEET TITLE: PLAN AND PROFILE - A STREET STA 10+00 TO STA 14+40	
Murrey Smith & Associates, Inc. Engineers/Planners 121 S. Salmon, Suite 900 Portland, Oregon 97204		DATE: MAY 2012 PROJECT: 11-1226-201	

G:\PDX_Projects\11226\CAD\Sheets\CIVIL\P-11-1226-CIVIL-C4.dwg P-11-1226-CIVIL-C4 4/27/2012 9:55 AM JLP 18.1s (LWS Techt)



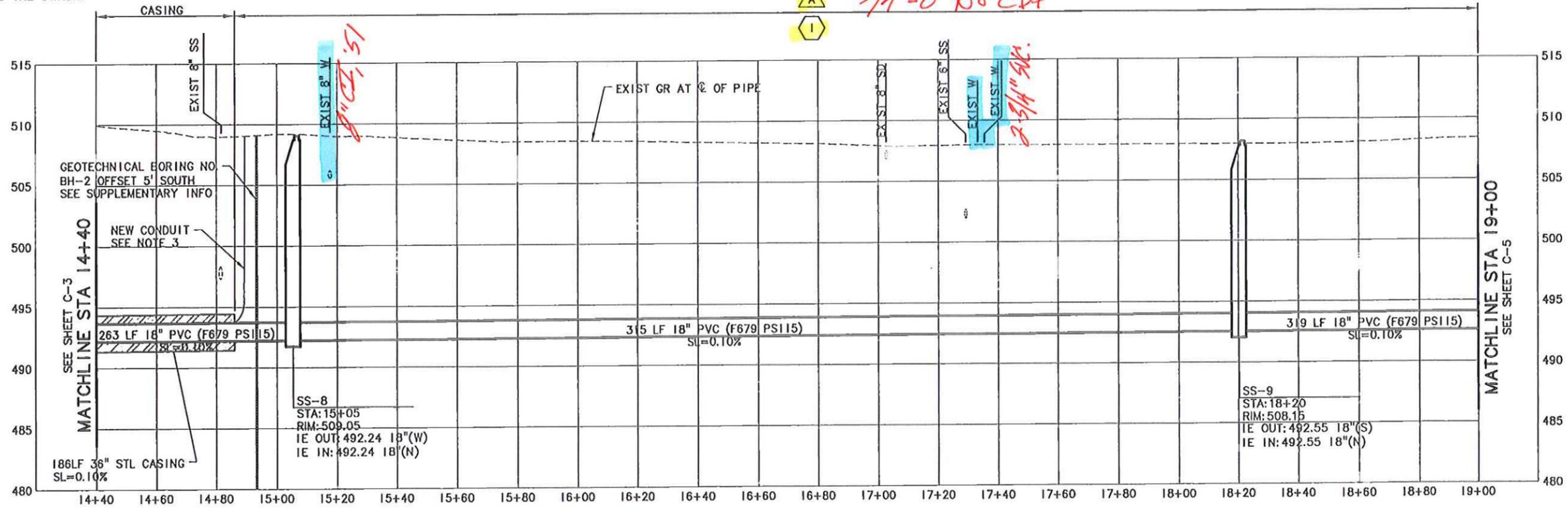
NOTES:

1. REGRADE EXISTING DITCH ALONG EAST SIDE OF 56TH STREET TO MATCH EXISTING GRADE FOLLOWING PIPE INSTALLATION.
2. REFER TO SPECIFICATIONS AND ODOT PERMIT FOR HIGHWAY 126 JACK AND BORE CROSSING REQUIREMENTS. IF SETTLEMENT OF THE EXISTING GROUND OCCURS, STOP WORK IMMEDIATELY AND NOTIFY ENGINEER, ODOT AND CITY.
3. FROM APPROXIMATE STATION 12+80 TO STATION 14+90 INSTALL TWO 4-INCH DIAMETER AND TWO 2-INCH DIAMETER PVC CONDUITS IN CASING WITH CARRIER PIPE. CONDUITS SHALL BE RIGID PVC SCHEDULE 40, UL LISTED FOR DIRECT BURIAL UNDERGROUND AND SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF FEDERAL SPECIFICATION WW-C-1094, AND NATIONAL ELECTRICAL CODE. MINIMUM SWEEP ON CONDUITS SHALL BE 36 INCHES. TERMINATE CONDUITS WITH CAPPED ENDS AT PULL BOXES, UTILITY VAULT MODEL 37-1220 WITH BOLT DOWN GALVANIZED STEEL COVER. FINAL LOCATION OF PULL BOXES TO DETERMINED IN THE FIELD WITH THE ENGINEER.
4. A CERTIFIED BPA SAFETY WATCHER MUST BE ON-SITE DURING ALL CONSTRUCTION ACTIVITIES WITHIN BPA RIGHT-OF-WAY. A LIST OF CERTIFIED BPA SAFETY WATCHERS CAN BE OBTAINED FROM BPA. CONTRACTOR SHALL PROVIDE THE SERVICES OF THE CERTIFIED BPA WATCHER AT NO ADDITIONAL COST TO THE OWNER.

H - 9" CI crossing. prop SS is 17'± DEEP. TR. SECTION IS 3.5' WIDE & NEAR BORE PIT

*I - 2-3/4" SVC'S. ~ 94950
3/4 POLY SVC'S.*

A 3/4-0 NO CDF



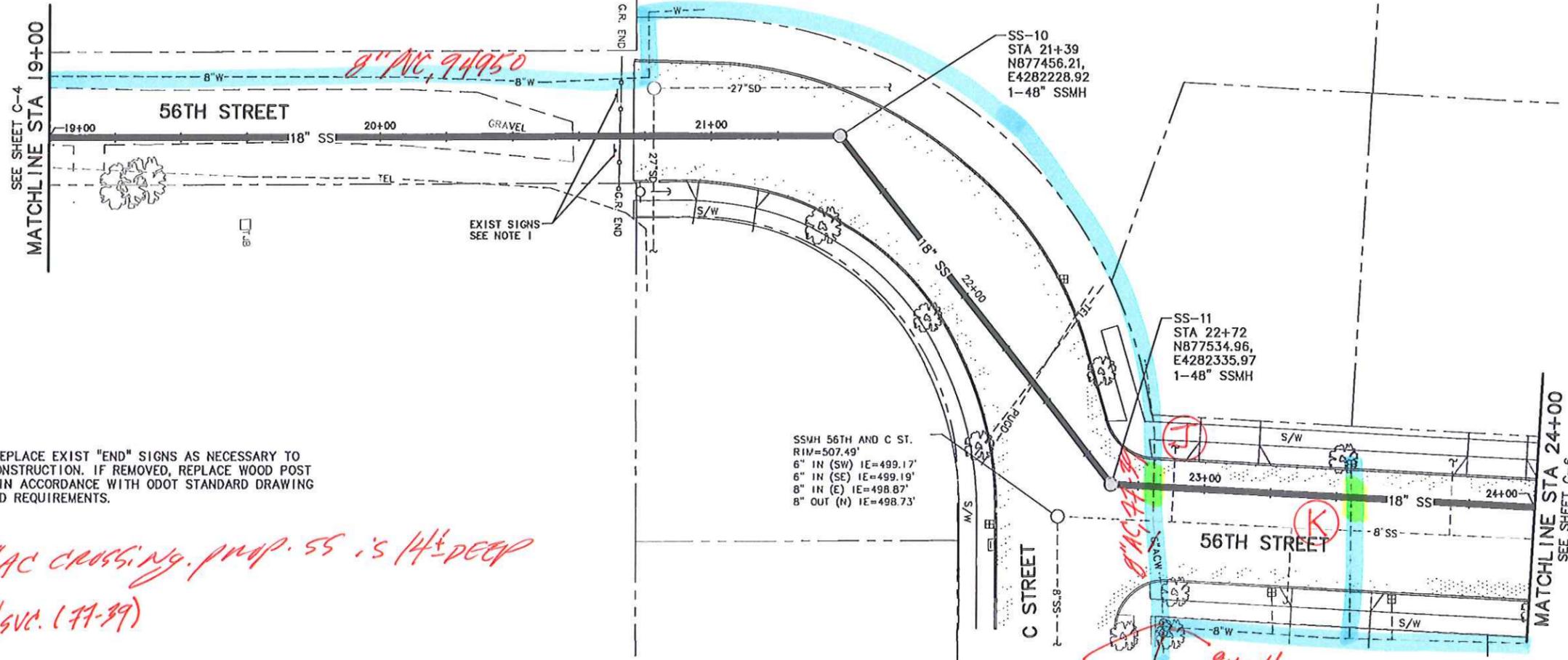
PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

P21046 58th Street Relief Sanitary Sewer Line and Bypass Manhole - Attachment to Addendum #2 Dated 06-01-2012 Page 7 of 13

CITY PROJECT NUMBER P21046

	NO. DATE	REVISION	BY
	DESIGNED: WSE	DRAWN: TED	CHECKED: WSE
PROJECT NAME: CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046		SHEET TITLE: PLAN AND PROFILE - 56TH STREET STA 14+40 TO STA 19+00	
PROJECT NUMBER: P21046		DATE: MAY 2012	
MSA Engineers/Planners 121 S. Salmon, Suite 800 Portland, Oregon 97204 PHONE: 503-225-8010 FAX: 503-225-8022		CITY PROJECT NUMBER P21046	

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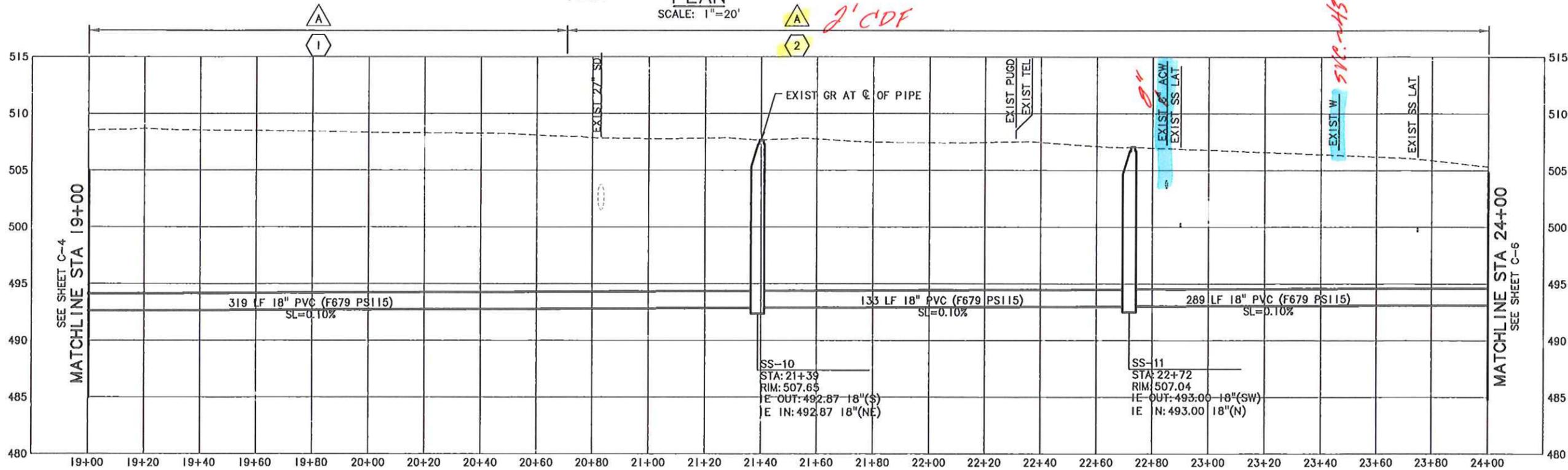
NOTES:

1. REMOVE AND REPLACE EXIST "END" SIGNS AS NECESSARY TO ACCOMMODATE CONSTRUCTION. IF REMOVED, REPLACE WOOD POST SIGN SUPPORTS IN ACCORDANCE WITH ODOT STANDARD DRAWING TM670 AND MUTCD REQUIREMENTS.

J - 8" AC crossing prop. ss is 14" DEEP

K - 3/4" SVC. (77-39)

PLAN
SCALE: 1"=20'

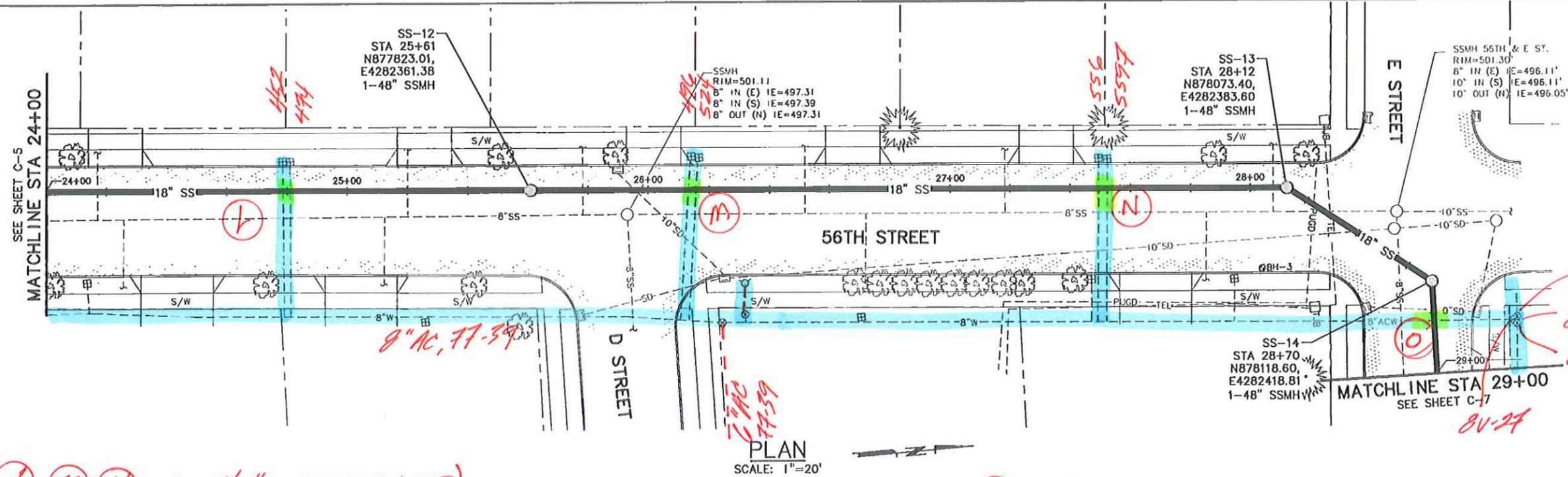


PROFILE

SCALE: 1"=20' HORIZ, 1"=5' VERT

P21046 58th Street Relief Sanitary Sewer Line and Bypass Manhole - Attachment to Addendum #2 Dated 06-01-2012 Page 8 of 13

NO.	DATE	REVISION
DESIGNED:	WSE	
DRAWN:	TEJ	
CHECKED:	WSE	
APPROVED:	KPM	
		CITY PROJECT NUMBER P21046 PLAN AND PROFILE - 56TH STREET STA 19+00 TO STA 24+00
PROJECT NAME: CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046		SHEET TITLE: PLAN AND PROFILE - 56TH STREET STA 19+00 TO STA 24+00
121 S. Salmon, Suite 800 Portland, Oregon 97204 PHONE: 503-255-9111 FAX: 503-255-9922		MAY 2012 DATE:
MSA		C-5 10 OF 20

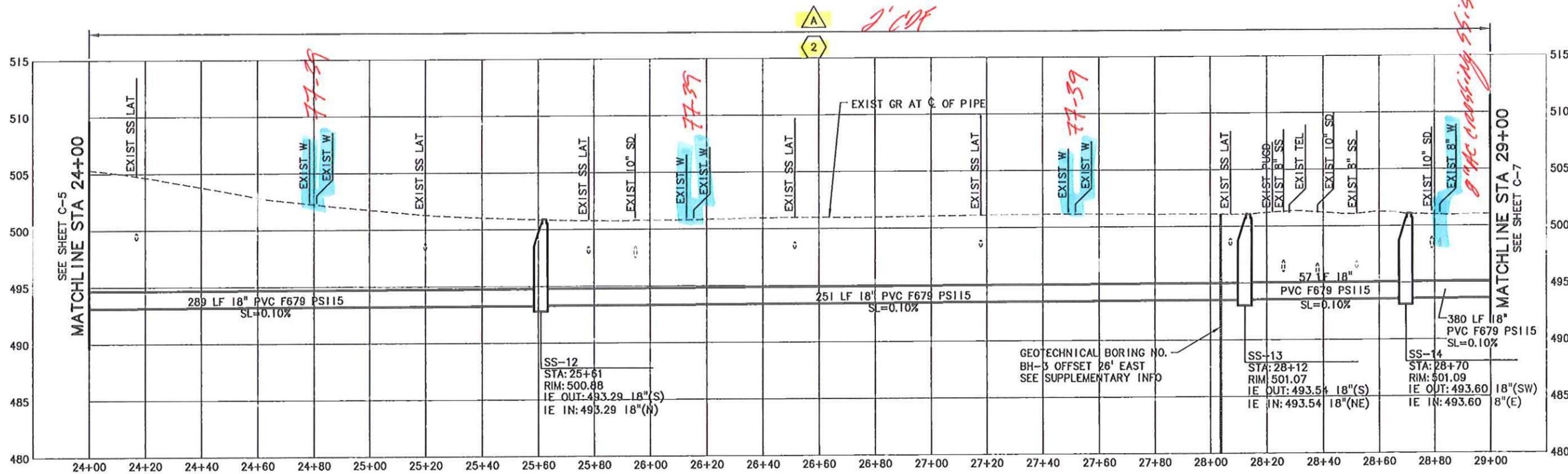


PLAN
SCALE: 1"=20'

Ⓛ Ⓜ Ⓝ - 6-3/4" SUC'S (77-39)

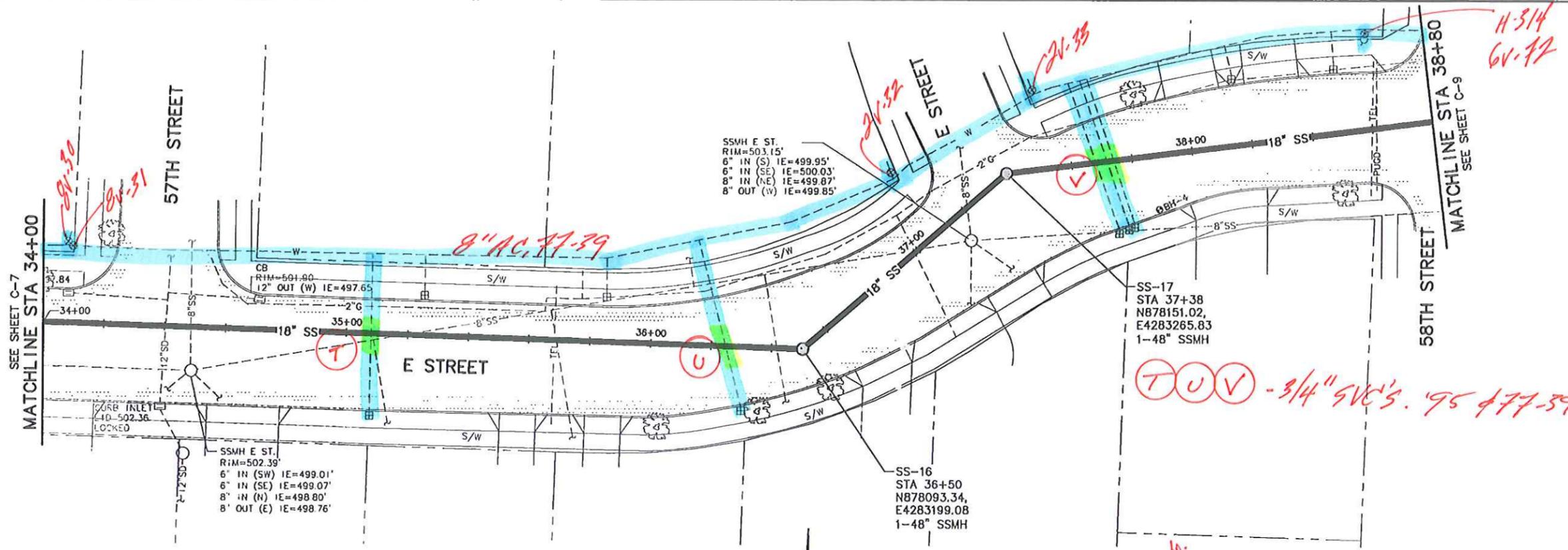
Ⓞ - 8" AC CROSSING FROM SS IS 7.5' ± D

8" AC crossing 56th St is 7.5' ± D.



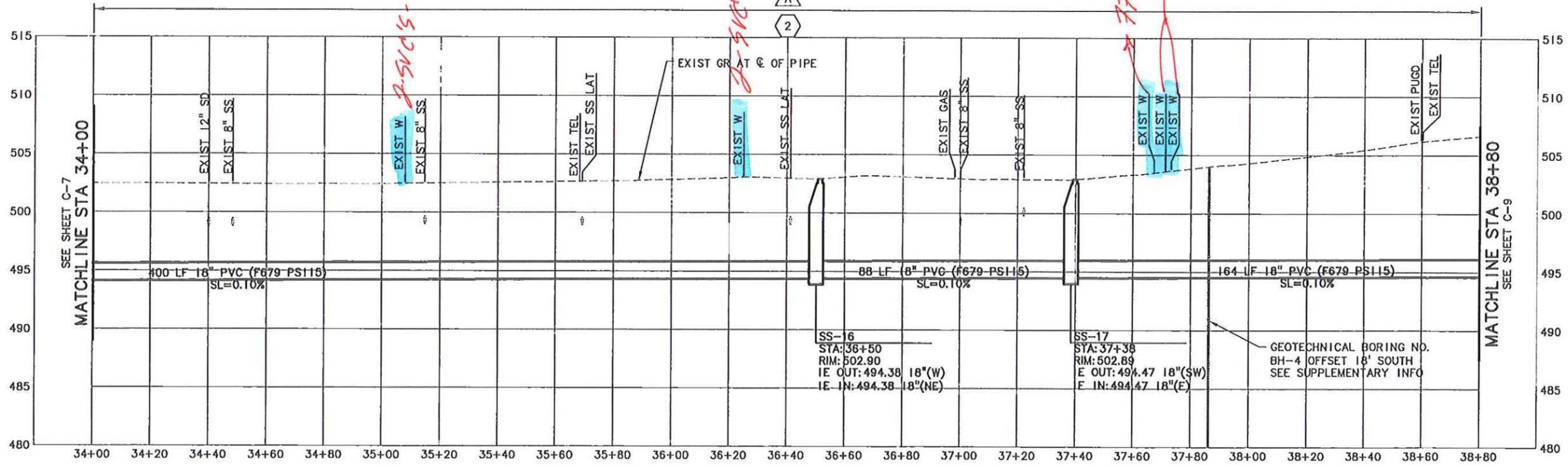
PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

	NO.	DATE	REVISION
	DESIGNED: WISE	DRAWN: TED	CHECKED: WISE
PROJECT NAME: CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046			BY: C-6 11 OF 20
SHEET TITLE: PLAN AND PROFILE - 56TH STREET STA 24+00 TO STA 29+00			DATE: MAY 2012
MSA Murray, Smith & Associates, Inc. Engineers/Planners 121 S.W. Salmon, Suite 300 Portland, Oregon 97204			CITY PROJECT NUMBER P21046



NOTES:
 1. SEE GENERAL NOTES FOR PAVEMENT MARKING, STRIPING AND LEGEND REPLACEMENT REQUIREMENTS.

PLAN
 SCALE: 1"=20'

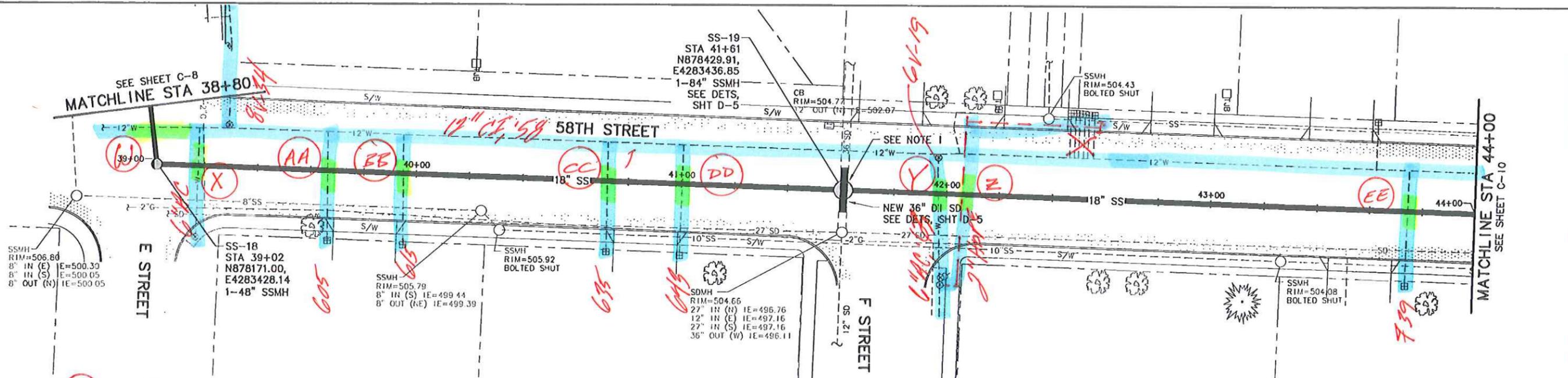


PROFILE

SCALE: 1"=20' HORIZ, 1"=5' VERT

NO.	DATE	REVISION
DESIGNED BY	WSE	
DRAWN BY	TED	
CHECKED BY	WSE	
APPROVED BY	KPM	
		PROJECT: 11-1226.201 DATE: MAY 2012 PROJECT NUMBER: P21046 SHEET TITLE: PLAN AND PROFILE - E STREET STA 34+00 TO STA 38+80 PROJECT NAME: CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046
PROJECT: 11-1226.201 DATE: MAY 2012 PROJECT NUMBER: P21046 SHEET TITLE: PLAN AND PROFILE - E STREET STA 34+00 TO STA 38+80 PROJECT NAME: CITY OF SPRINGFIELD, OREGON 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE PROJECT NUMBER P21046		C-6 13 OF 20

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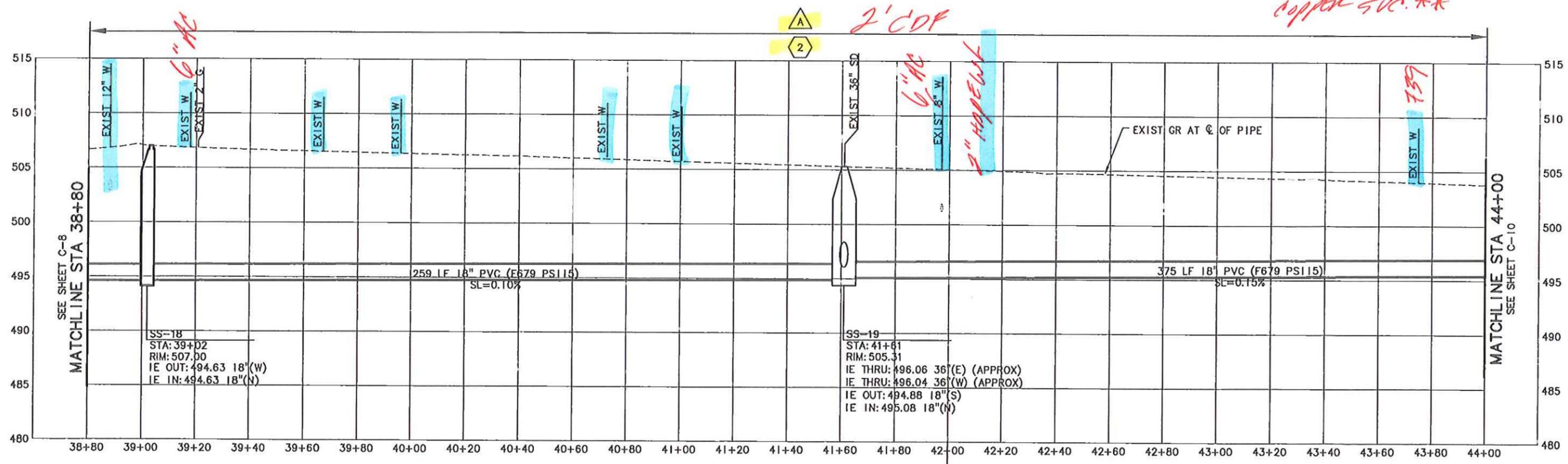
PLAN
SCALE: 1"=20'

(W) - 12" CS crossing. prop. ss is 12.5' ± D.
 (X) - 6" AC crossing. prop. ss is 12.5' ± D.

NOTES:
 1. PRIOR TO CONSTRUCTION POTHOLE AND CONFIRM ELEVATION OF BOTTOM OF EXISTING 36" SD. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. SEE GENERAL NOTES FOR PAVEMENT MARKING, STRIPING AND LEGEND REPLACEMENT REQUIREMENTS.

(AA) (BB) (CC) (DD) - 4-3/4" SERVICES - SUSPECT COPPER SERVICES **
 (Y) - 6" AC WATER LINE CROSSING. PROP. SS DEPTH IS 10.4' ±
 (Z) - 2" HOPE WT CROSSING. PROP. SS IS 10.4' ± D.

(EE) 1-3/4" SVC. - SUSPECT COPPER SVC. **



PROFILE
 SCALE: 1"=20' HORIZ, 1"=5' VERT
 P21046 58th Street Relief Sanitary Sewer Line and Bypass Manhole - Attachment to Addendum #2 Dated 06-01-2012 Page 12 of 13

BY	
NO.	DATE
REVISION	
DESIGNED: WSE	
DRAWN: TED	
CHECKED: WSE	
APPROVED: RPM	
C-9	14 OF 20

REGISTERED PROFESSIONAL ENGINEER
 WILLIAM S. RICHARDS
 LICENSE NO. 12-31-13

VERT: AS SHOWN
 HORIZ: AS SHOWN
 SCALE: 1"=20'

NOTICE
 IF THIS BAR DOES NOT MEASURE THEN DRAWING IS NOT TO SCALE

PROJECT NAME: CITY OF SPRINGFIELD, OREGON
 58TH STREET RELIEF SANITARY SEWER LINE & BYPASS MANHOLE
 PROJECT NUMBER P21046

SHEET TITLE:
 PLAN AND PROFILE - 58TH STREET
 STA 38+80 TO STA 44+00

Murray Smith & Associates, Inc.
 Engineers/Planners
 181 S. Salmon, Suite 800
 Portland, Oregon 97204
 PHONE 503-225-2810
 FAX 503-225-3022

11-1226-201 DATE: MAY 2012

CITY PROJECT NUMBER P21046

