



**City of Phoenix, Arizona
Office of the City Engineer
Design and Construction Procurement**

**WS90500303
35TH AVENUE AND CAMELBACK ROAD RELIEF SEWER
DESIGN BID BUILD**

ADDENDUM NO. 2



ISSUE DATE: March 21, 2024

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on April 2, 2024, are amended as follows:

Q1.	Regarding existing sewer flows – who at the City of Phoenix Water Services Dept. should the contractor contact to receive that information?																																													
A1.	<p>The following table provides approximate flow information for the project pipelines. As stated in the project specifications the use of this flow data in now way relieves the Contractor from his responsibilities for design, construction, and operation of an adequately and properly functioning bypass system for the project. Any additional monitoring or gathering of flow data to properly size the bypass system is the responsibility of the Contractor. It should be noted that ongoing new development in the area may contribute additional flows to the sewer system that are not accounted for in the flows provided.</p> <table border="1" data-bbox="289 1052 1468 1461"> <thead> <tr> <th>From MH</th> <th>To MH</th> <th>Main Size (in)</th> <th>Average (gpd)</th> <th>Peak (gpd)</th> </tr> </thead> <tbody> <tr> <td>19-22-106</td> <td>19-22-120</td> <td align="center">10</td> <td align="right">0.00</td> <td align="right">0.00</td> </tr> <tr> <td align="center" colspan="2">New 18" in 29th Ave.</td> <td align="center">18</td> <td align="right">400,000</td> <td align="right">600,000</td> </tr> <tr> <td>19-22-401</td> <td>19-22-120</td> <td align="center">8</td> <td align="right">60,000</td> <td align="right">100,000.00</td> </tr> <tr> <td>18-22-229</td> <td>18-21-332</td> <td align="center">12</td> <td align="right">8,964</td> <td align="right">12,267</td> </tr> <tr> <td>18-22-215</td> <td>18-21-331</td> <td align="center">8</td> <td align="right">10,113</td> <td align="right">13,912.00</td> </tr> <tr> <td>18-21-330</td> <td>18-21-403</td> <td align="center">15</td> <td align="right">477,500</td> <td align="right">673,141.00</td> </tr> <tr> <td>18-21-201</td> <td>18-21-104</td> <td align="center">18</td> <td align="right">728,931</td> <td align="right">1,034,199.00</td> </tr> <tr> <td>18-20-420</td> <td>18-21-104</td> <td align="center">8</td> <td align="right">58,927</td> <td align="right">80,661</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • There is no flow in the 10-inch segment from MH 19-22-106 to MH 19-22-120. The new 18-inch sewer in 29th from Colter to Camelback has replaced the 10-inch. • Flows in the new 18-inch sewer in 29th Ave are estimates based on 2023 water consumption data. Multiple dorms were built in the area that contribute flows to this sewer. The City does not have metering data for this sewer. • Flows in the segment from MH 19-22-401 to MH 19-22-120 are estimates based on 2023 water consumption data. Two dorms were built after a 2017 City of Phoenix metering project. • Flows in the segment from MH 18-21-330 to MH 18-21-403 include the estimated flows mentioned above in the segment from MH 19-22-401 to MH 19-22-120. 	From MH	To MH	Main Size (in)	Average (gpd)	Peak (gpd)	19-22-106	19-22-120	10	0.00	0.00	New 18" in 29 th Ave.		18	400,000	600,000	19-22-401	19-22-120	8	60,000	100,000.00	18-22-229	18-21-332	12	8,964	12,267	18-22-215	18-21-331	8	10,113	13,912.00	18-21-330	18-21-403	15	477,500	673,141.00	18-21-201	18-21-104	18	728,931	1,034,199.00	18-20-420	18-21-104	8	58,927	80,661
From MH	To MH	Main Size (in)	Average (gpd)	Peak (gpd)																																										
19-22-106	19-22-120	10	0.00	0.00																																										
New 18" in 29 th Ave.		18	400,000	600,000																																										
19-22-401	19-22-120	8	60,000	100,000.00																																										
18-22-229	18-21-332	12	8,964	12,267																																										
18-22-215	18-21-331	8	10,113	13,912.00																																										
18-21-330	18-21-403	15	477,500	673,141.00																																										
18-21-201	18-21-104	18	728,931	1,034,199.00																																										
18-20-420	18-21-104	8	58,927	80,661																																										
Q2.	In place of ABC material for the pipe zone bedding, would #57 crush rock be a viable alternate material?																																													
A2.	Open graded rock, such as #57 is not approved.																																													

Q3.	Regarding the asphalt thickness, which streets are reflective of the 8" placement and the 9" placement?
A3.	See Plan Sheet 17, Detail 1.
Q4.	Per the Geotech bore logs, the ABC subgrade depth ranges from 6" to 20". What is the proposed thickness to be placed back? COP P1200 states min. of 12" but to match existing.
A4.	Per the contract documents use a minimum of 12-inches or match existing whichever is greater.
Q5.	Native material meeting MAG 601 specification is allowed per COP P1200 Type A, can this material be allowed for COP P1200 Type B trenches?
A5.	Per COP P1200 the final backfill for Type B Trench Backfill shall be ABC per Section 702 & 601 or CLSM.
Q6.	Can the bid item of the ornamental fence be revised to include the entire length? Due to the location of existing ornamental fence within the alley alignment, and the width of an excavator's track, damage to most if not all of the fence may be inevitable.
A6.	The bid items for the removal and replacement of the ornamental fence will not be revised to include the entire length. However, the plans have been revised to increase the bid item quantities for the removal and replacement of the ornamental fence. According to the contract documents the Contractor shall provide and install temporary fencing to secure the areas where ornamental fencing has been removed.
Q7.	Who is the Contractor installing the new sewer to which this project will connect to in 35 th Ave.
A7.	The Contractor installing the new sewer at the west end of this project is Pono and the contact is Butch Glispie (butch@ponollc.com).
Q8.	Detail No. 5 calls for casing spacers, per MAG 602: wood skids and railing are allowed, with No Dig VCP we have always used the railing to install the no-dig pipe, this process guarantees the sewer will be on grade and we fill the casing with pea gravel to lock in and provide lifelong support for the sewer line. The main reason for this is 2-fold, 1st, we cannot order the spacers to carry the 21" no-dig through the 48" casing until the 48" casing is parked, each spacer must be custom built to support the no dig where it lands in the casing. 2nd, it takes 3 weeks to get to the spacers, this is 3 weeks of additional traffic control, 3 weeks of rental on the shore boxes waiting for the spacers to arrive. I am requesting the use of the railing to carry the no-dig through the casing and fill with pea gravel, will you allow this vs the spacers?
A8.	The use of casing spacers, wood skids, or steel pipes for rails may be used for placing the sewer inside of the casing and 3/8-inch pea gravel may be used to fill the annular space. MAG 602 shall be followed and a formal Jack and Bore submittal will be required. However, a minimum of 1 foot of separation shall be maintained between the outside top of the 48-inch steel casing and the outside bottom of the 30-inch SRP irrigation pipe (Sheet 11 STA 39+16). The alignment and grade of the 21-inch sewer shown on the plans shall be maintained regardless of the method used to place the sewer pipe within the casing (casing spacers, wood skids, or steel pipes).

SECTION II – Submittals

Bid Proposal

1. **Replace** Page P - 2 & P – 3 with the attached pages to update quantities of Bid Items 18 and 36.

SECTION III – Technical Specifications and Drawings

Plan Sheets

1. **Replace** Sheets 6 through 10 with the attached sheets to update the quantities and locations of ornamental fencing removals and replacements.

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the PROPOSAL P-1.

END OF ADDENDUM

**CITY OF PHOENIX
 BID PROPOSAL**

PROJECT NO. WS90500303

Item	Bid Item #	Description	Unit	Sum	Unit Cost	Item Cost
Sewer Installation and Construction Items						
1	M6255021	Install 48" Manhole with Type 'A' Top, MAG Std. Det. 420-1, 422-1, 423-1, and COP Std. Det.	EA	1		
2	M6255022	Install 60" Manhole with Type 'A' Top, MAG Std. Det. 420-1, 422-1, 423-2, and COP Std. Det.	EA	19		
3	M6151008	Install 8" VCP Sewer Line, Trench Per Det. 1, Sheet 17	LF	76		
4	M6151021	Install 21" VCP Sewer Line, Trench Per Det. 1, Sheet 17	LF	5415		
5	M6020049	Install 48" Steel Casing By Jack and Bore Methods Per Det 5, Sheet 19	LF	41		
6	M3360115	Asphalt Concrete For Permanent Pavement Replacement, Type D 1/2, 2" Thick	SY	1559		
7	M3360335	Asphalt Concrete For Permanent Pavement Replacement, Type C 3/4, 6" Thick	SY	648		
8	M3360365	Asphalt Concrete For Permanent Pavement Replacement, Type C 3/4, 7" Thick	SY	911		
9	M3361306	Asphalt Concrete For Permanent Pavement Replacement, Type C 3/4, 3" Thick Over 6" ABC (Alley)	SY	3221		
10	M3362100	Micro Seal Per MAG 331	SY	12365		
11	M6257001	Reconnect Existing Sewer Line to Sewer New Manhole	EA	7		
12	M6257000	Connect New Sewer Line to Existing Manhole, Det 4, Sheet 19	EA	3		
13	M6012000	Replace Existing ACP Water Line With DIP Per COP Supplement to MAG 601.2.8 and MAG STD Det. 403-3 Where 4' or More of ACP Water Line is Exposed, Contingent Item	EA	6		
14	M6181015	Realign Existing Sewer Storm Drain Connector Pipe	LF	126		
15	M6153100	Abandoned Existing Sewer, Fill With Low Strength Grout Per Specifications	LF	2918		
16	M3506032	Abandon Existing Manhole Per MAG Std. Det. 450	EA	5		
17	M6257015	Reconstruct Manhole Channel, Det 3, Sheet 19	EA	2		
18	M4005102	Reinstall Steel Ornamental Fence, Restore Finish Per Specifications	LF	1440		
19	M3402200	Construct Vertical Curb & Gutter, Type 'A' Per MAG Std Det. 220-1	LF	10		
20	M3400400	Construct Concrete Sidewalk Per COP Std. Det. P-1230	SF	100		
21	M3400240	Construct Valley Gutter Per MAG Std. Det. 240	SF	50		
22	M3402222	Construct Single Curb Type 'B' Per MAG Std. Det. 222	LF	20		
23	-	Install Gate Track	LF	18		
24	-	Plug End of Sewer with One Foot or One Pipe Diameter of Concrete Whichever is Greater	EA	13		
25	M6151021	Install 21" No Dig VCP Sewer Line, See Detail 5, Sheet 19	LF	48		
26	M6153550	Sewer Bypass Pumping	LS	1		
27	M3513400	Replace Traffic Signal Loops Per Specifications	LS	1		
28	M6103706	Waterline Realignment, 6" and 8", Contingent Item	EA	1		
29	M6103710	Waterline Realignment, 10" and 12", Contingent Item	EA	1		
Sewer Removal Items						
30	M3500041	Remove Existing 15" Sewer	LF	2322		
31	M3500041	Remove Existing 18" Sewer	LF	260		
32	M3500005	Remove Existing Manhole	EA	11		
33	M3500010	Sawcut, Remove Curb & Gutter, Remove to Nearest Joint	LF	10		
34	M3500020	Sawcut, Remove Concrete Sidewalk / Driveway, Remove to Nearest Joint	SF	100		
35	M3500020	Sawcut, Remove Valley Gutter, Remove to Nearest Joint	SF	50		
36	M3500110	Remove & Store Existing Steel Ornamental Fence. Secure Area with Temporary Fencing Until Permanent Fence Can be Reinstalled	LF	1440		
37	M3500010	Sawcut & Remove Single Curb, Remove at Nearest Joint	LF	20		
38	M3500041	Remove Abandoned 8" Sewer	LF	8		
39	-	Remove Existing Gate Track	LF	18		

General Items						
40	M1002005	Mobilization/Demobilization	LS	1		
41	M4015005	Traffic Control & Barricades	LS	1		
42	M1058000	Construction Surveying and Layout	LS	1		
Allowances						
43	E6992000	Allowance for Storm Water Pollution Prevention Best Management Practices (BMP's)	JOB	1	\$5,000	\$5,000
44	M4013000	Allowance for Uniformed, Off-Duty Law Enforcement Officer	JOB	1	\$20,000	\$20,000
45	M1042005	Allowance for Extra Work	JOB	1	\$50,000	\$50,000
					Grand Total	
<p>NOTES:</p> <p>1. Contractor's OH & Profit, taxes, bonding, as well as other incidental costs are incorporated into and included in the construction unit costs.</p>						

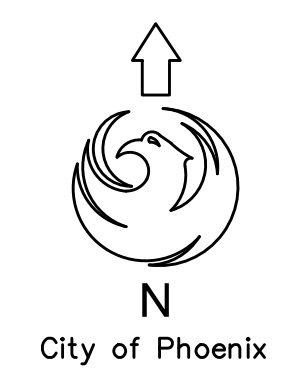
Alternate No. 1

Item	Bid Item #	Description	Unit	Sum	Unit Cost	Item Cost
1	M6255021	48" Polymer Concrete Manhole With Type 'A' Top, MAG Std. Detail 419-1, 422-1, 423-1, and COP Std. Detail P1424	EA	1		
Alternate No. 1 Total						

Alternate No. 2

Item	Bid Item #	Description	Unit	Sum	Unit Cost	Item Cost
1	M6255022	60" Polymer Concrete Manhole With Type 'A' Top, MAG Std. Detail 419-1, 422-1, 423-2, and COP Std. Detail P1424	EA	19		
Alternate No. 2 Total						

35TH AVENUE AND CAMELBACK ROAD
RELIEF SEWER
PHOENIX STREET - MARICOPA CO.
QUARTER SECTION NO. 18-21, 18-22
19-22



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.	WS90500303	6	26

2432 W. PEORIA AVENUE, SUITE 1246
PHOENIX, AZ 85029
Ph: (602) 906-1901

CONSTRUCTION NOTES

- ② INSTALL 60" DIA. MANHOLE WITH TYPE 'A' TOP PER MAG STD DET 420-1, 423-2 AND COP STD DET P1424 & MAG STD DET 422-1. COAT MANHOLE PER SPECIFICATIONS 1 EA
- ④ INSTALL 21" VCP SEWER LINE, TRENCH PER DET. 1 ON SHEET 17 500 LF
- ⑭ REINSTALL STEEL ORNAMENTAL FENCE, RESTORE FINISH PER SPECIFICATIONS 62 LF

REVISION BY CITY OF PHOENIX

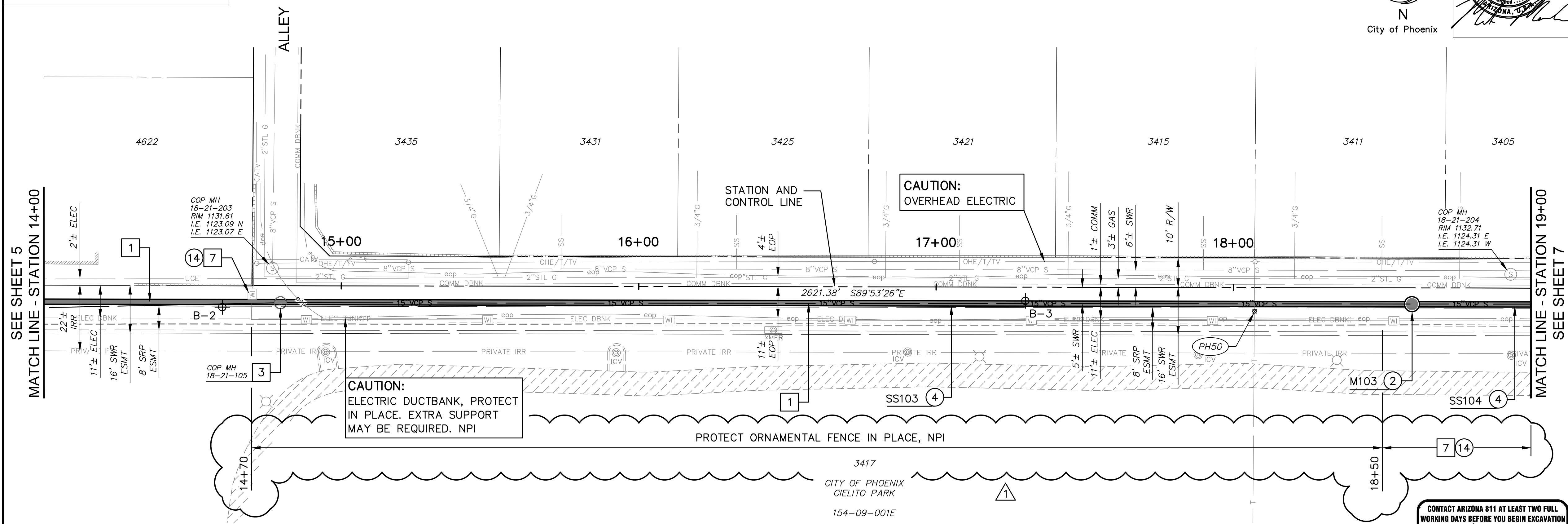
NO.	DESCRIPTION	REV BY	CHK BY	DATE

REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE

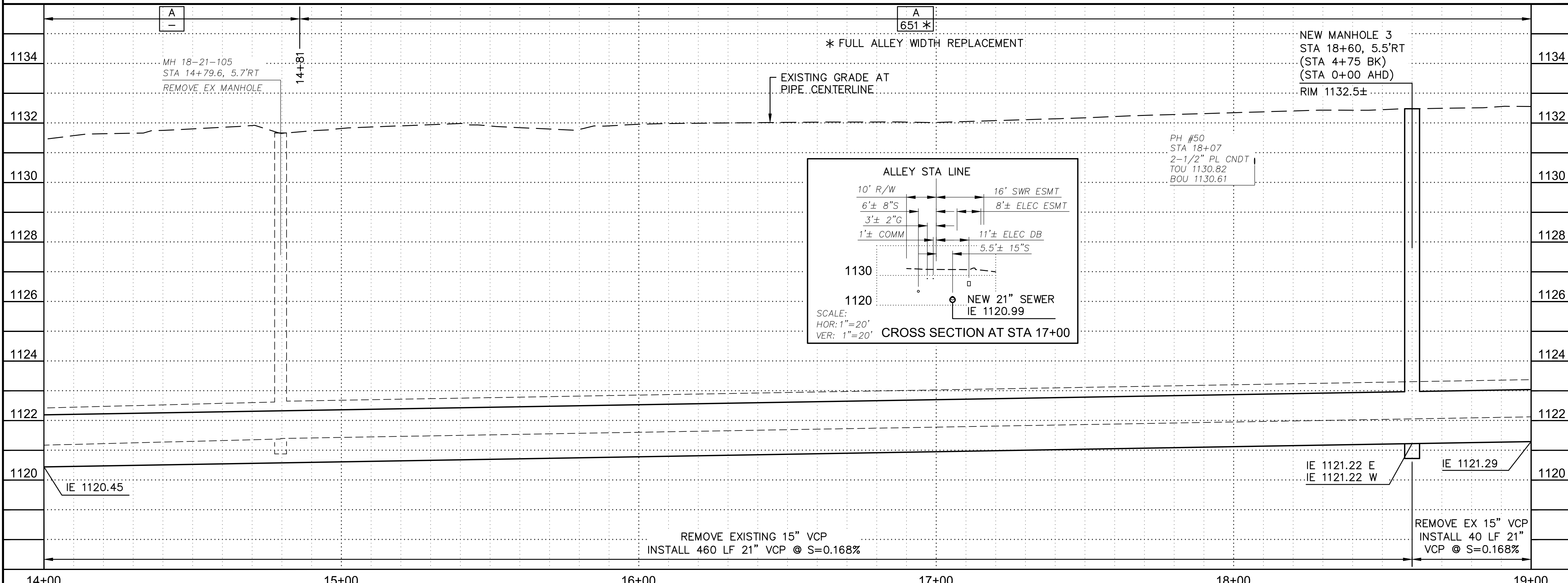
REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE



REMOVAL NOTES

- ① REMOVE EXISTING 15" SEWER 500 LF
- ③ REMOVE EXISTING MANHOLE 1 EA
- ⑦ REMOVE AND STORE EXISTING STEEL ORNAMENTAL FENCE. SECURE AREA WITH TEMPORARY FENCING UNTIL PERMANENT FENCE CAN BE REINSTALLED 62 LF



AS-BUILT CERTIFICATION
I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

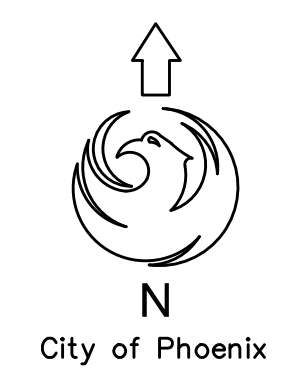
REGISTERED ENGINEER	REGISTRATION NUMBER	DATE

PER CITY OF PHOENIX CITY CODE, CHAPTER 2, SECTION 2-28. THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF THE CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX

35TH AVENUE AND CAMELBACK ROAD RELIEF SEWER
CITY OF PHOENIX, ARIZONA
WATER SERVICES DEPARTMENT
SEWER PLAN AND PROFILE
ALLEY
STATION 14+00 TO STATION 19+00

DR: JG	DES: MM	CK: TOB	SHEET NO. 6	TOTAL SHEETS 26
DATE: 01/24	DATE: 01/24	DATE: 01/24	SCALE: HORIZ 1"=20'	SCALE: VERT 1"=2'

35TH AVENUE AND CAMELBACK ROAD
RELIEF SEWER
PHOENIX STREET - MARICOPA CO.
QUARTER SECTION NO. 18-21, 18-22
19-22



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.	WS90500303	7	26

consor 2432 W. PEORIA AVENUE, SUITE 1246
PHOENIX, AZ 85029
Ph: (602) 906-1901

CONSTRUCTION NOTES

- ② INSTALL 60" DIA. MANHOLE WITH TYPE 'A' TOP PER MAG STD DET 420-1, 423-2 AND COP STD DET P1424 & MAG STD DET 422-1. COAT MANHOLE PER SPECIFICATIONS 1 EA
- ④ INSTALL 21" VCP SEWER LINE, TRENCH PER DET. 1 ON SHEET 17 500 LF
- ⑭ REINSTALL STEEL ORNAMENTAL FENCE, RESTORE FINISH PER SPECIFICATIONS 500 LF

REVISION BY CITY OF PHOENIX

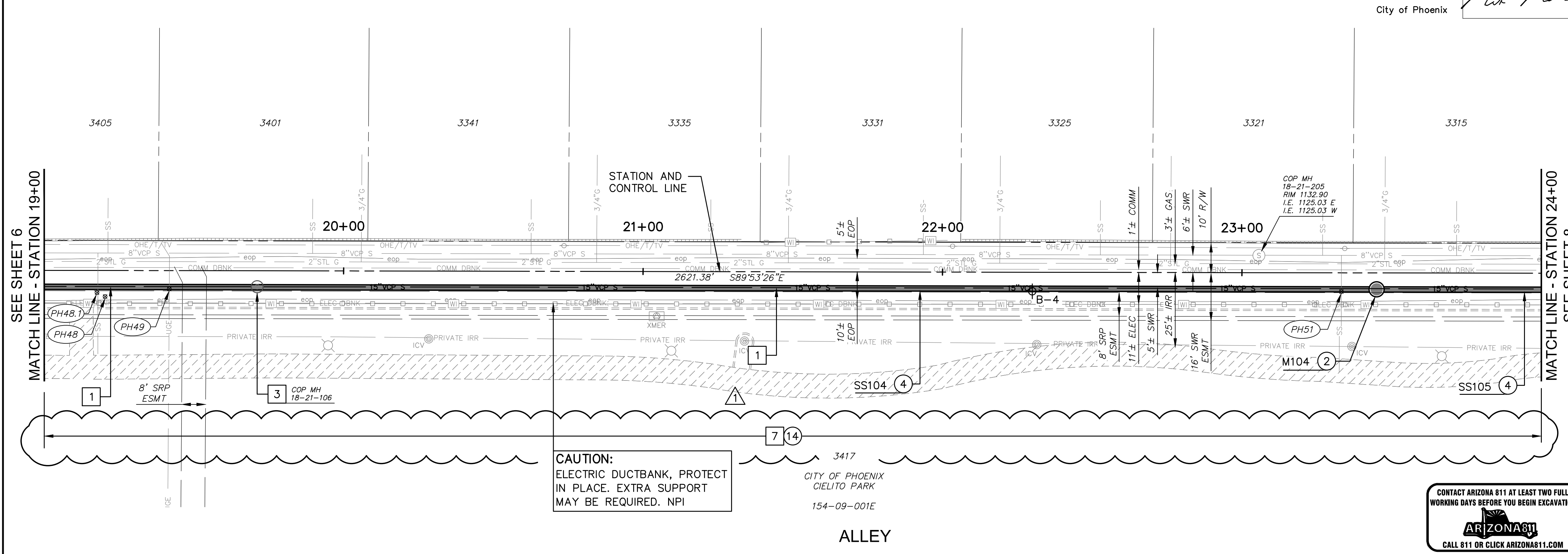
NO.	DESCRIPTION	REV BY	CHK BY	DATE

REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE

REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE

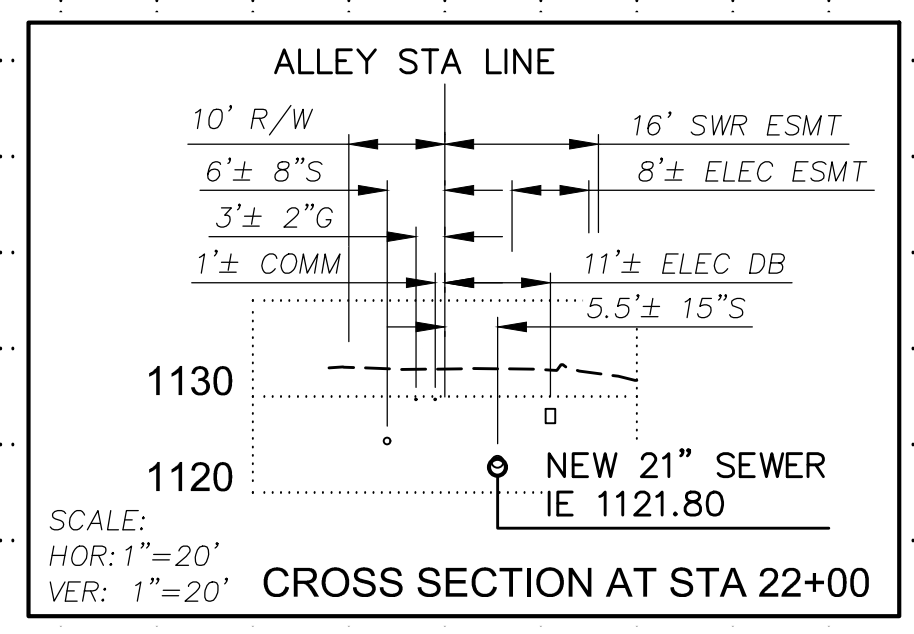
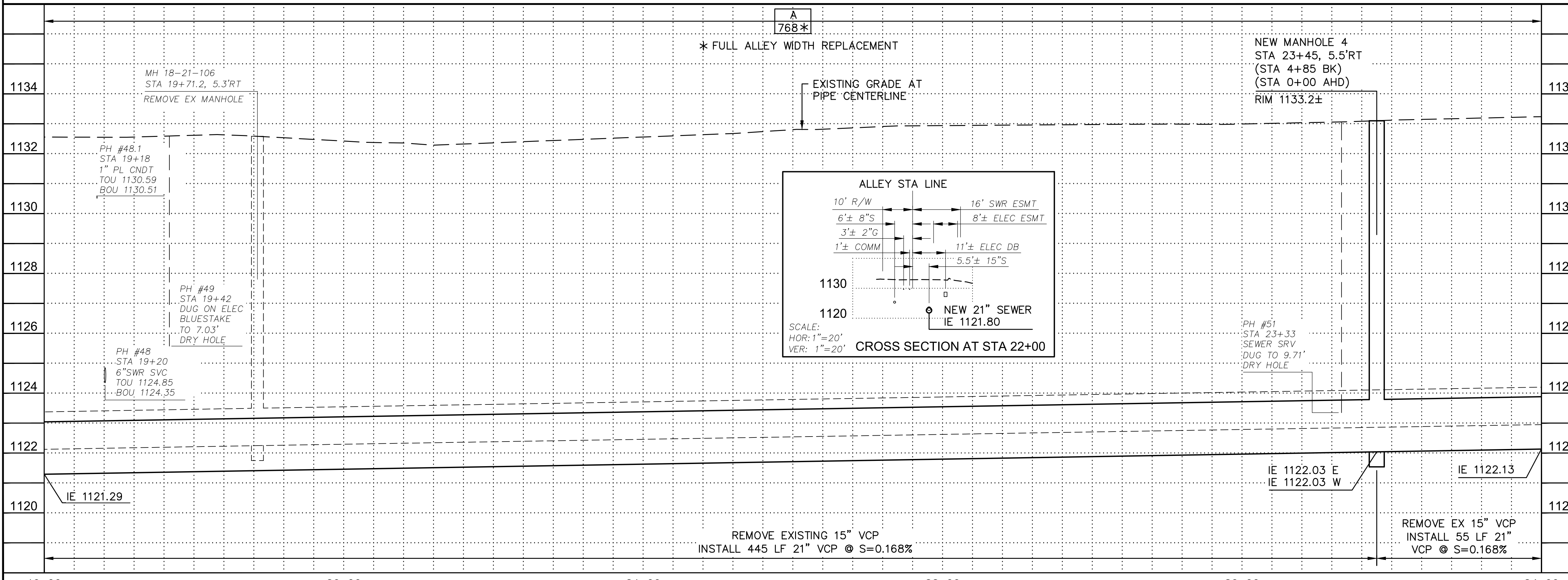


CAUTION:
ELECTRIC DUCTBANK, PROTECT
IN PLACE. EXTRA SUPPORT
MAY BE REQUIRED. NPI



REMOVAL NOTES

- ① REMOVE EXISTING 15" SEWER 500 LF
- ③ REMOVE EXISTING MANHOLE 1 EA
- ⑦ REMOVE AND STORE EXISTING STEEL ORNAMENTAL FENCE. SECURE AREA WITH TEMPORARY FENCING UNTIL PERMANENT FENCE CAN BE REINSTALLED 500 LF



AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

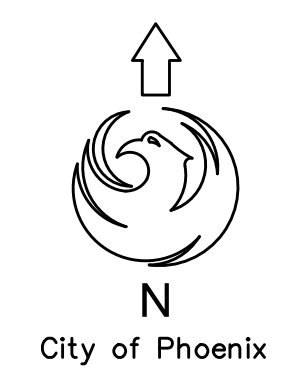
REGISTERED ENGINEER	REGISTRATION NUMBER	DATE

PER CITY OF PHOENIX CITY CODE, CHAPTER 2, SECTION 2-28. THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF THE CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX

CITY OF PHOENIX, ARIZONA
WATER SERVICES DEPARTMENT
SEWER PLAN AND PROFILE
ALLEY
STATION 19+00 TO STATION 24+00

DR: JG	DES: MM	CK: TOB	SHEET NO. 7	TOTAL SHEETS 26
DATE: 01/24	DATE: 01/24	DATE: 01/24	SCALE: HORIZ 1"=20' VERT 1"=2'	

35TH AVENUE AND CAMELBACK ROAD
RELIEF SEWER
PHOENIX STREET - MARICOPA CO.
QUARTER SECTION NO. 18-21, 18-22
19-22



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.	WS90500303	8	26

consor 2432 W. PEORIA AVENUE, SUITE 1246
PHOENIX, AZ 85029
Ph: (602) 906-1901

CONSTRUCTION NOTES

- ② INSTALL 60" DIA. MANHOLE WITH TYPE 'A' TOP PER MAG STD DET 420-1, 423-2 AND COP STD DET P1424 & MAG STD DET 422-1. COAT MANHOLE PER SPECIFICATIONS 1 EA
- ④ INSTALL 21" VCP SEWER LINE, TRENCH PER DET. 1 ON SHEET 17 500 LF
- ⑭ REINSTALL STEEL ORNAMENTAL FENCE, RESTORE FINISH PER SPECIFICATIONS 368 LF
- ⑯ CONSTRUCT CONCRETE SIDEWALK PER COP STD DETAIL P-1230 50 SF
- ⑰ CONSTRUCT VALLEY GUTTER PER MAG STD DETAIL 240 50 SF

REMOVAL NOTES

- ① REMOVE EXISTING 15" SEWER 500 LF
- ③ REMOVE EXISTING MANHOLE 1 EA
- ⑤ SAWCUT, REMOVE CONCRETE SIDEWALK / DRIVEWAY, REMOVE TO NEAREST JOINT 50 SF
- ⑥ SAWCUT, REMOVE VALLEY GUTTER, REMOVE TO NEAREST JOINT 50 SF
- ⑦ REMOVE AND STORE EXISTING STEEL ORNAMENTAL FENCE. SECURE AREA WITH TEMPORARY FENCING UNTIL PERMANENT FENCE CAN BE REINSTALLED 368 LF



AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

REGISTERED ENGINEER	REGISTRATION NUMBER	DATE

PER CITY OF PHOENIX CITY CODE, CHAPTER 2, SECTION 2-28. THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF THE CONTRACTOR'S CONTRACT WITH THE CITY OF PHOENIX

35TH AVENUE AND CAMELBACK ROAD RELIEF SEWER

CITY OF PHOENIX, ARIZONA
WATER SERVICES DEPARTMENT

SEWER PLAN AND PROFILE
ALLEY
STATION 24+00 TO STATION 29+00

DR: JG	DES: MM	CK: TOB	SHEET NO. 8	TOTAL SHEETS 26
DATE: 01/24	DATE: 01/24	DATE: 01/24		
SCALE: HORIZ 1"=20'	VERT 1"=2'			

REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE

REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE

REVISION BY CITY OF PHOENIX

NO.	DESCRIPTION	REV BY	CHK BY	DATE

FENCE REMOVAL LIMITS

JG	MM	3/24
----	----	------

