GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

2. CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION, AS FOLLOWS:

   KANSAS ONE-CALL 687-2470

   THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

AT&T	1-800-246-8464
BLACK HILLS ENERGY (GAS)	1-800-694-8989
CITY OF WICHITA WATER & SEWER	1-316-219-8921
CITY OF WICHITA STORMWATER	1-316-268-4090
CITY OF WICHITA TRAFFIC	1-316-268-4034
CITY OF MAIZE WATER & SEWER	1-316-722-4854
COX COMMUNICATIONS	1-888-249-3530
KANSAS GAS SERVICE	1-888-482-4950
EVERGY	1-800-544-4857

3. UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS, IN THE OPINION OF THE ENGINEER, THAT WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

5. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE CITY ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

6. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

8. THE ENGINEERING DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES BY THE CONTRACTOR.

9. IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER AT traffic@wichita.gov BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

10. ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE SEEDED AND MULCHED. COST SHALL BE CONSIDERED SUBSIDIARY TO PROJECT SEEDING. SEEDING TO BE: ANNUAL RYE @ 150 LBS./ACRE & SLOW RELEASE @ 150 LBS./ACRE

11. CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.

12. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.

13. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAT ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUND SHALL BE CONSTRUCTED WITH NEW DEVELOPMENT A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.

14. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.

15. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.

16. CONNECTING TO EXISTING MANHOLES:
    PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING MANHOLES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE ELEVATION, GRADE AND ALIGNMENT OF EXISTING STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLANS. WHERE CONNECTION TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL BORE CUT INTO EXISTING MANHOLE WALL TO MAKE CONNECTION USING APPROVED WATER STOP GASKET, AND RESHAPE THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW. THE COST TO CONNECTING TO EXISTING MANHOLES IS INCIDENTAL TO THE PROJECT.

17. THE CONTRACTOR SHALL PREVENT ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER DURING CONSTRUCTION.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE SUBMITTED AND APPROVED BY THE SEWER MAINTENANCE DIVISION (316-268-4073) PRIOR TO STARTING AND BY-PASSING OF SEWAGE FLOWS.

19. ALL TRAFFIC CONTROL DEVICES IN THE WORK ZONE (INCLUDING MARKINGS AND SIGNS) AND THEIR INSTALLATION AND MAINTENANCE SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL DEVICES IN THE TRAVELED WAY OR CLEAR ZONE SHALL BE CRASHWORTHY (NCHRP REPORT 350 OR MASH COMPLIANT).
    http://safety.fhtwa.dot.gov./roadwaydept/policy guide/road hardware/wzd

20. ALL CONSTRUCTION EQUIPMENT, INCLUDING VEHICLES, MATERIALS, AND DEBRIS, SHALL BE STORED OUTSIDE OF THE CLEAR ZONE. WHERE THIS CANNOT BE ACHIEVED THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNS, ABJECT IDENTIFIERS, AND/OR BARRICADES IN COMPLIANCE WITH MUTCD.

21. EXCEPT WHEN REQUIRED FOR SAFETY, TRAFFIC CONTROL SHALL NOT BLOCK ANY LANES OR SIDEWALKS WHEN WORK IS NOT BEING PERFORMED.

22. FOLLOW THE LINK BELOW FOR DETAILS ON SPECIFIC CITY OF WICHITA STANDARD DETAILS:
    http://www.wichita.gov/PWU/Pages/Regulations.aspx

23. DEVELOPER FOR THIS PROJECT IS:
    MILLER FAMILY HOMES
    907 S HYDRAULIC AVENUE
    WICHITA, KS, 67211
    CLINT MILLER
    316-269-3322

SANITARY SEWER IMPROVEMENTS PHASE 1

TO SERVE

ARVADA ADDITION

Nowak Construction - Contractor
S. Lowe - City of Wichita, Field Project Engineer
E. Flores - City of Wichita, Inspector
As-built
Stubs & Risers
Release Date (for connection purposes only): 10/5/2023
Completion Date:
pdf: apr 12/1/2023

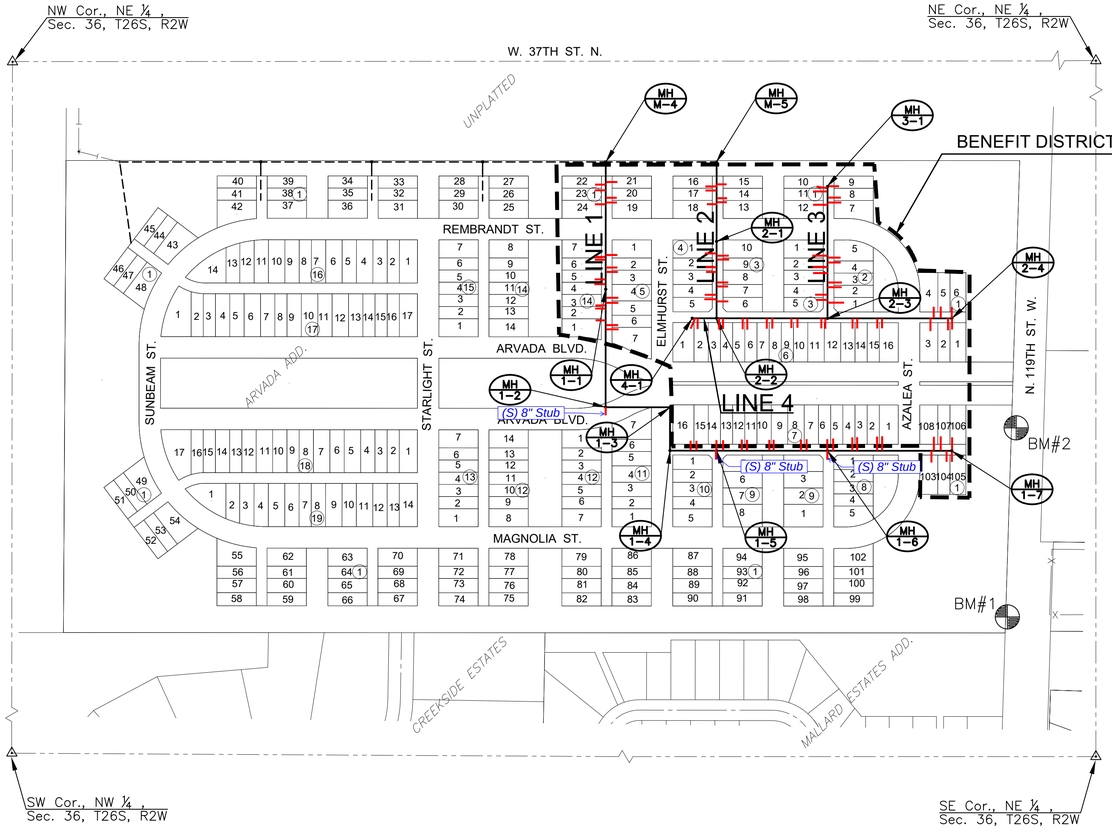
PROJECT NO. 468-2022-024784

AN ADDITION TO THE CITY OF MAIZE, SEDGWICK COUNTY, KANSAS

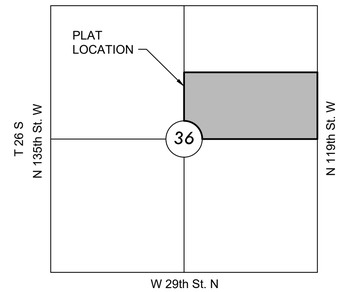
ORG CODE 47267322

MUNIS NO. E2087

SCOTT PRESTON ELLIS LICENSED 24423 11/7/22 KANSAS PROFESSIONAL ENGINEER



R 2 W
W 37th St. N

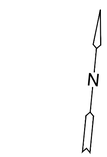


VICINITY MAP

No Scale

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
01	TITLE SHEET
02-04	SAN DETAILS
05-07	LINE 1
08	LINE 2
09	LINES 3 & 4
10	RISER MAP
11	BUBBLE MAP
12-16	BMP DETAILS
17	FINAL PLAT



SCALE: 1" = 200'

0 200 400

BENCHMARKS

DATUM:
THE HORIZONTAL DATUM IS BASED ON THE KANSAS COORDINATE SYSTEM OF 1983(2011), SOUTH ZONE. COORDINATES SHOWN HAVE BEEN MODIFIED TO THE GROUND USING A COMBINED ADJUSTMENT FACTOR OF 1.0001200144.

ALL ELEVATIONS SHOWN ARE BASED ON THE NAVD 88 VERTICAL DATUM.

BM#1
N: 1706536.856 E: 1607137.975 EL: 1357.74
MAG NAIL SET 40' S OF POWER POLE IN SE COR. OF PROPERTY, IN FOUND SQ. CUT ON S END OF A WEIR WALL. 572' 45' N & 5' E OF SE COR. OF PROPERTY.

BM#2
N: 1707065.924 E: 1607144.837 EL: 1356.78
MAG NAIL SET 15' W AMD 5' S OF SW WING WALL OF STORM HEADWALL ON W SIDE OF 119TH S W.

NOTE:
ALL CONTROL POINTS SHOWN HAVE ELEVATIONS ESTABLISHED BY DIFFERENTIAL LEVELING AND CAN BE USED AS TEMPORARY BENCHMARKS. WHEN USING A CONTROL POINT AS A TEMPORARY BENCHMARK, IT IS RECOMMENDED THAT CROSS-CHECKS BE MADE TO OTHER CONTROL POINTS OR BENCHMARKS TO CONFIRM ELEVATIONS PRIOR TO USE.

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SANITARY SEWER PLANS FOR
ARVADA ADDITION
PHASE 1

TITLE SHEET

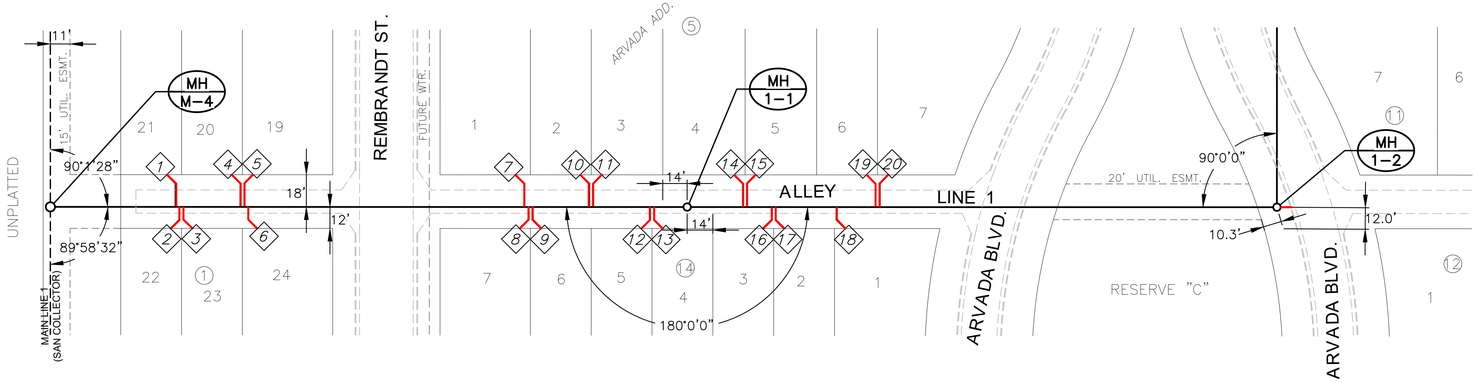
PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=200'

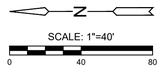
DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

NO.	REVISION	DATE

SHEET NO.
01 OF 17

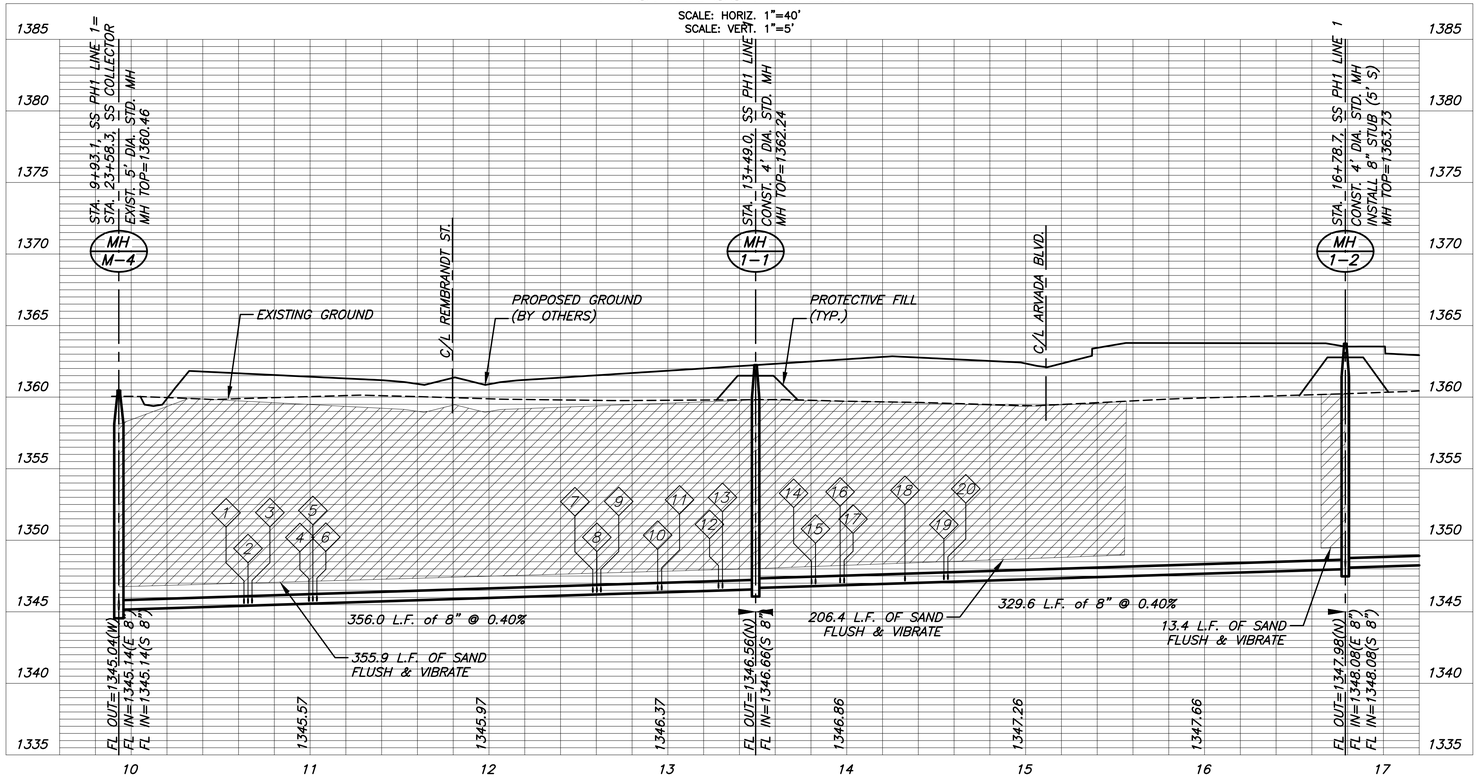
Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
1	20' Lt.	286'	70'
2	14' Rt.	284'	72'
3	14' Rt.	282'	74'
4	20' Lt.	250'	106'
5	20' Lt.	248'	108'
6	14' Rt.	246'	110'
7	20' Lt.	91'	265'
8	14' Rt.	89'	267'
9	14' Rt.	87'	269'
10	20' Lt.	55'	301'
11	20' Lt.	53'	303'
12	14' Rt.	21'	335'
13	14' Rt.	19'	337'
14	20' Lt.	307'	31'
15	20' Lt.	305'	33'
16	14' Rt.	291'	47'
17	14' Rt.	289'	49'
18	14' Rt.	255'	83'
19	20' Lt.	233'	105'
20	20' Lt.	231'	107'





= SAND, FLUSH & VIBRATE

PLAN SS PH1 LINE 1
PROFILE SS PH1 LINE 1



NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

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SANITARY SEWER PLANS FOR

ARVADA ADDITION

PHASE 1

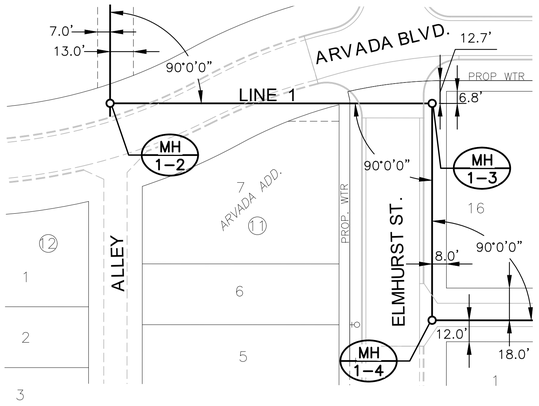
LINE 1

PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=40'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

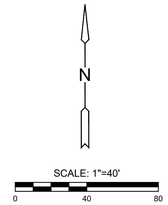
NO.	REVISION	DATE

SHEET NO.
05 OF 17

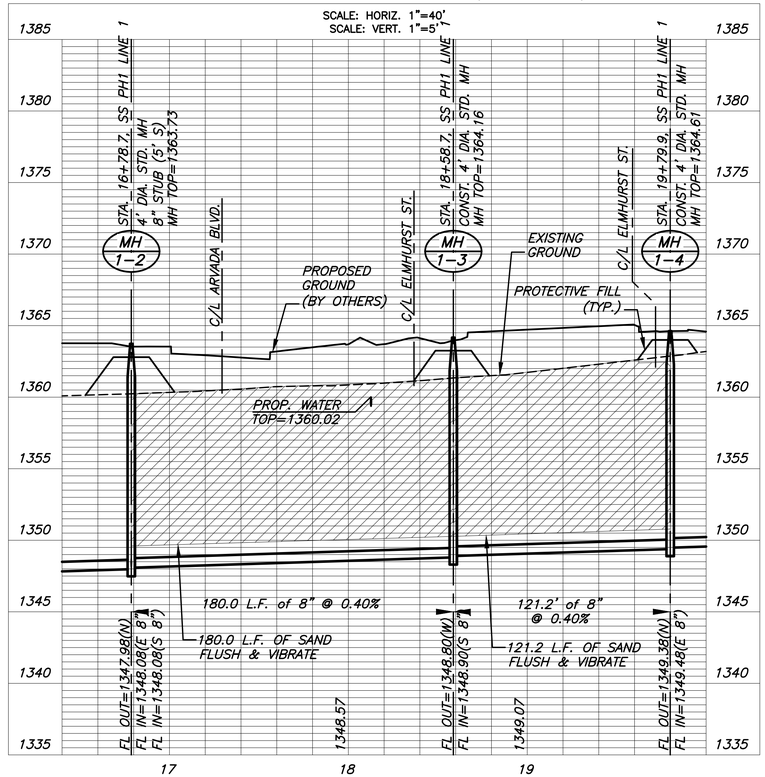


= SAND, FLUSH & VIBRATE

NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



PLAN SS PH1 LINE 1 (CONT. 1)
PROFILE SS PH1 LINE 1 (CONT. 1)



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SANITARY SEWER PLANS FOR

ARVADA ADDITION

PHASE 1

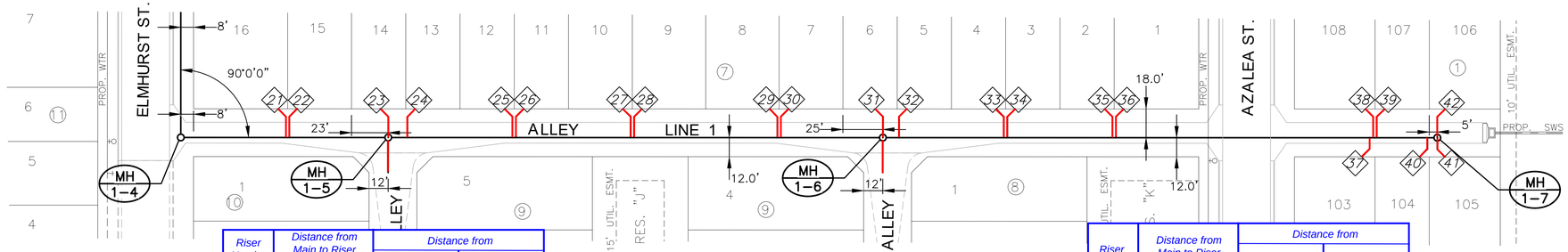
LINE 1 (CONT. 1)

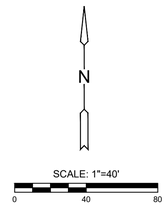
PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=40'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

NO.	REVISION	DATE

SHEET NO.
06 OF 17





Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
21	20' Lt.	64'	66'
22	20' Lt.	61'	69'
23	20' Lt.	@ mh	130'
24	20' Lt.	297'	13'
25	20' Lt.	232'	78'
26	20' Lt.	229'	81'
27	20' Lt.	158'	152'
28	20' Lt.	155'	155'
29	20' Lt.	66'	244'
30	20' Lt.	63'	247'
31	20' Lt.	@ mh	310'

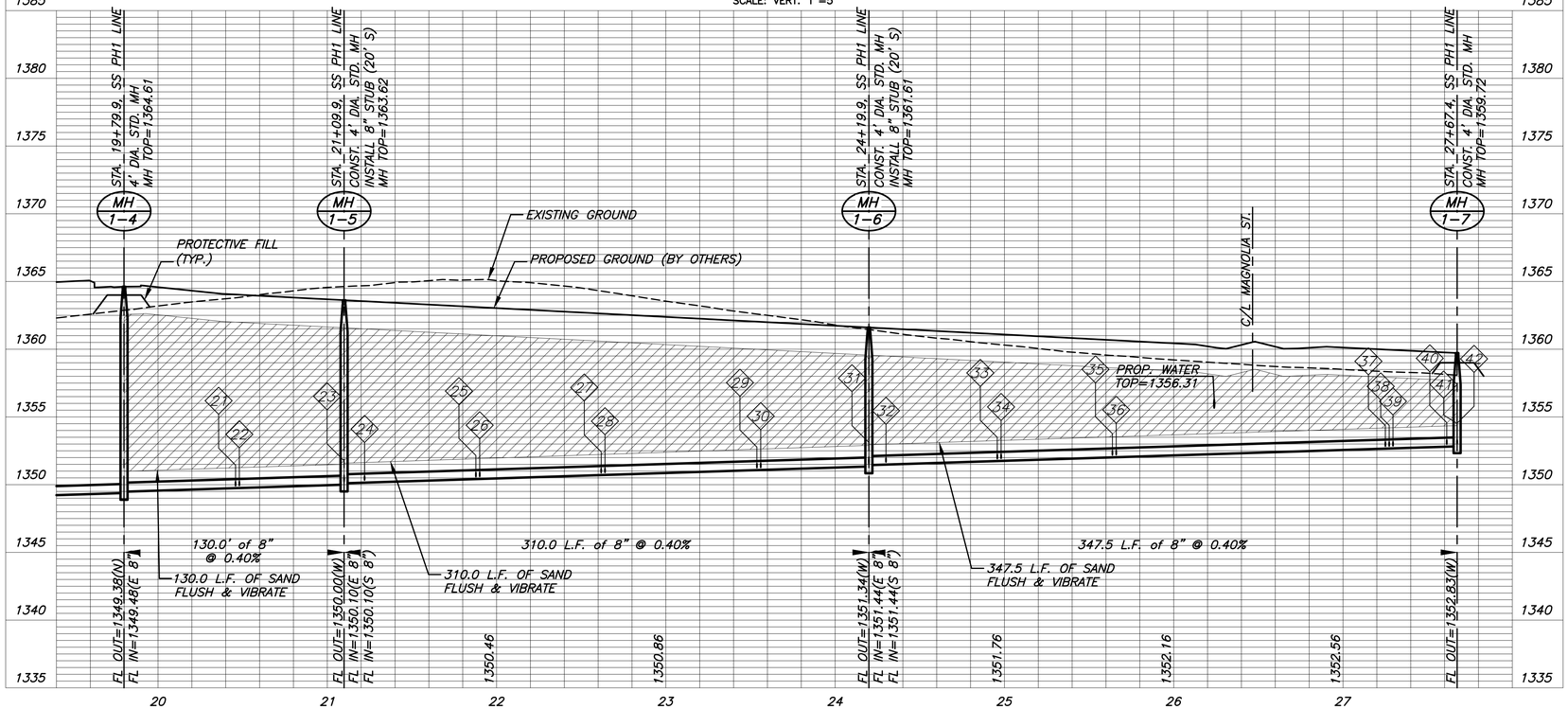
Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
32	20' Lt.	337'	11'
33	20' Lt.	272'	76'
34	20' Lt.	269'	79'
35	20' Lt.	204'	144'
36	20' Lt.	201'	147'
37	14' Rt.	42'	306'
38	20' Lt.	40'	308'
39	20' Lt.	38'	310'
40	14' Rt.	6'	342'
41	14' Rt.	@ mh	348'
42	20' Lt.	@ mh	348'

NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

= *SAND, FLUSH & VIBRATE*

PLAN SS PH1 LINE 1 (CONT. 2)
PROFILE SS PH1 LINE 1 (CONT. 2)

SCALE: HORIZ. 1"=40'
SCALE: VERT. 1"=5'



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SANITARY SEWER PLANS FOR

ARVADA ADDITION

PHASE 1

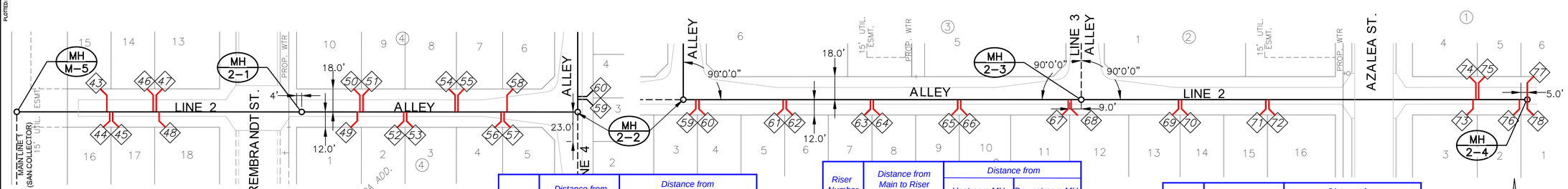
LINE 1 (CONT. 2)

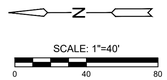
PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=40'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

NO.	REVISION	DATE

SHEET NO.
07 OF 17





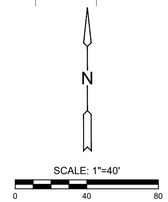
Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
43	20' Lt.	152'	70'
44	20' Lt.	150'	72'
45	14' Rt.	148'	74'
46	20' Lt.	116'	106'
47	20' Lt.	114'	108'
48	14' Rt.	112'	110'
49	14' Rt.	172'	43'
50	20' Lt.	170'	45'
51	20' Lt.	168'	47'
52	14' Rt.	136'	79'

Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
53	14' Rt.	134'	81'
54	20' Lt.	96'	119'
55	20' Lt.	94'	121'
56	14' Rt.	60'	155'
57	14' Rt.	58'	157'
58	14' Rt.	56'	159'
59	14' Rt.	301'	9'
60	14' Rt.	298'	12'
61	14' Rt.	233'	77'
62	14' Rt.	230'	80'

= SAND, FLUSH & VIBRATE

Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
63	14' Rt.	165'	145'
64	14' Rt.	162'	148'
65	14' Rt.	97'	213'
66	14' Rt.	94'	216'
67	14' Rt.	11'	299'
68	14' Rt.	8'	302'
69	14' Rt.	272'	75'
70	14' Rt.	269'	78'
71	14' Rt.	204'	143'
72	14' Rt.	201'	146'

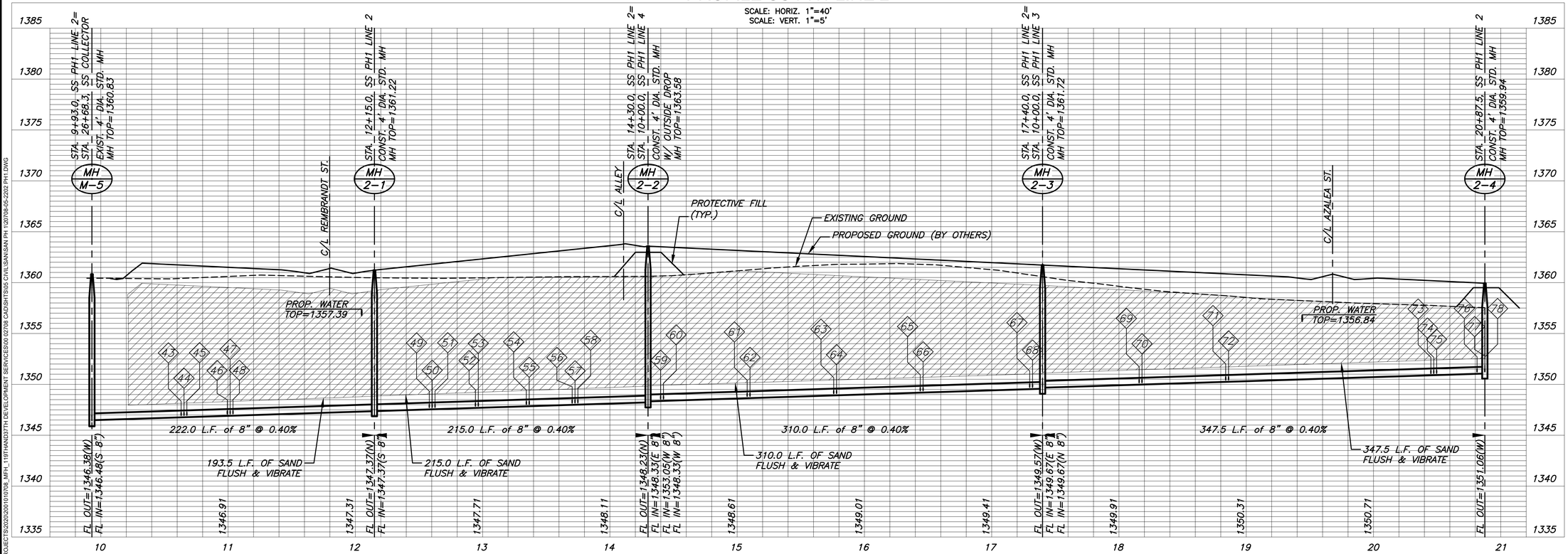
Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
73	14' Rt.	42'	305'
74	20' Lt.	40'	307'
75	20' Lt.	38'	309'
76	14' Rt.	6'	341'
77	20' Lt.	@ mh	347'
78	14' Rt.	@ mh	347'



NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PLAN SS PH1 LINE 2
PROFILE SS PH1 LINE 2

SCALE: HORIZ. 1"=40'
SCALE: VERT. 1"=5'



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SANITARY SEWER PLANS FOR

ARVADA ADDITION

PHASE 1

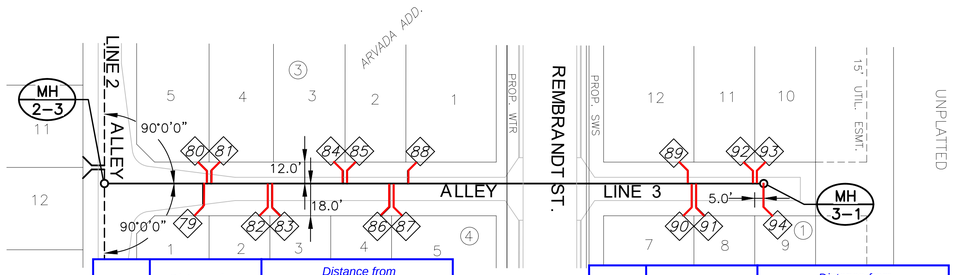
LINE 2

PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=40'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

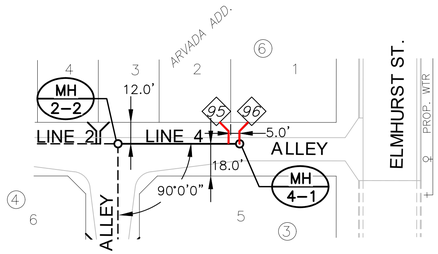
NO.	REVISION	DATE

SHEET NO.
08 OF 17



Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from Upstream MH	Distance from Downstream MH
79	20' Rt.	313'	55'
80	14' Lt.	311'	57'
81	14' Lt.	309'	59'
82	20' Rt.	277'	91'
83	20' Rt.	275'	93'
84	14' Lt.	235'	133'
85	14' Lt.	233'	135'
86	20' Rt.	209'	159'
87	20' Rt.	207'	161'
88	14' Lt.	199'	169'

Riser Number	Distance from Main to Riser (Lt./Rt.)	Distance from Upstream MH	Distance from Downstream MH
89	14' Lt.	42'	326'
90	20' Rt.	40'	328'
91	20' Rt.	38'	330'
92	14' Lt.	6'	362'
93	14' Lt.	4'	364'
94	20' Rt.	@ mh	368'
95	14' Lt.	7'	61'
96	14' Lt.	@ mh	68'



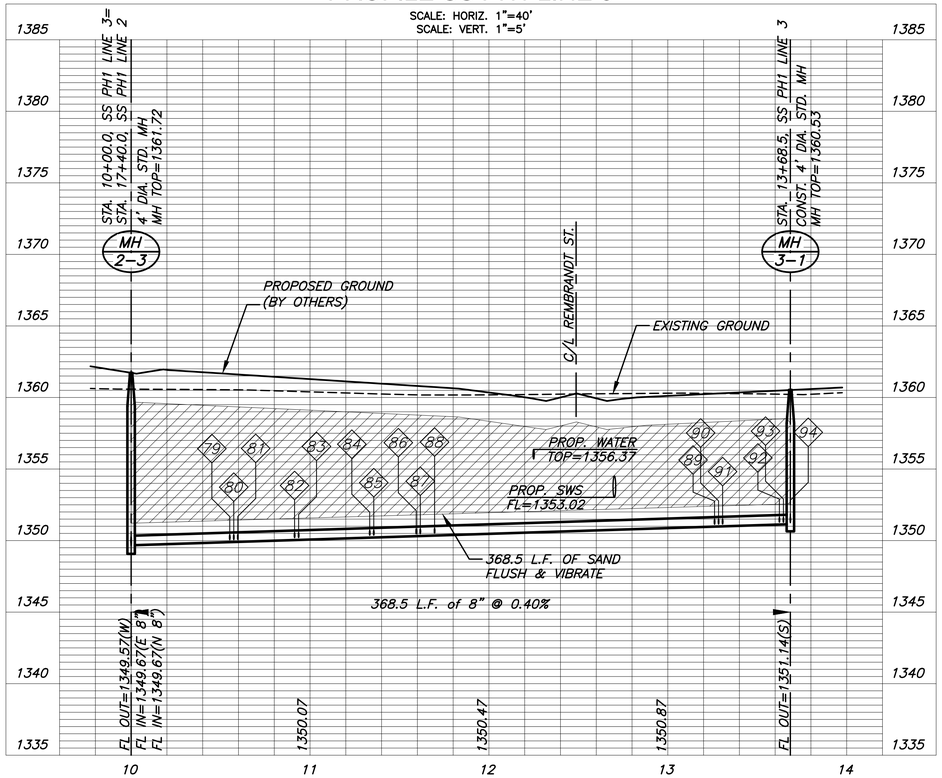
NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SCALE: 1"=40'
0 40 80

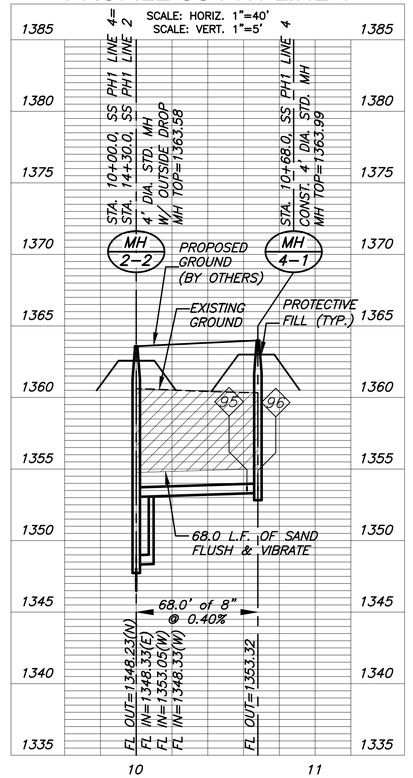
= *SAND, FLUSH & VIBRATE*

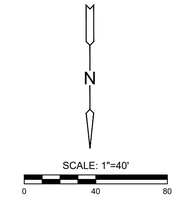
SCALE: 1"=40'
0 40 80

PLAN SS PH1 LINE 3
PROFILE SS PH1 LINE 3



PLAN SS PH1 LINE 4
PROFILE SS PH1 LINE 4





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SANITARY SEWER PLANS FOR

ARVADA ADDITION

PHASE 1

LINES 3 & 4

PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=40'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

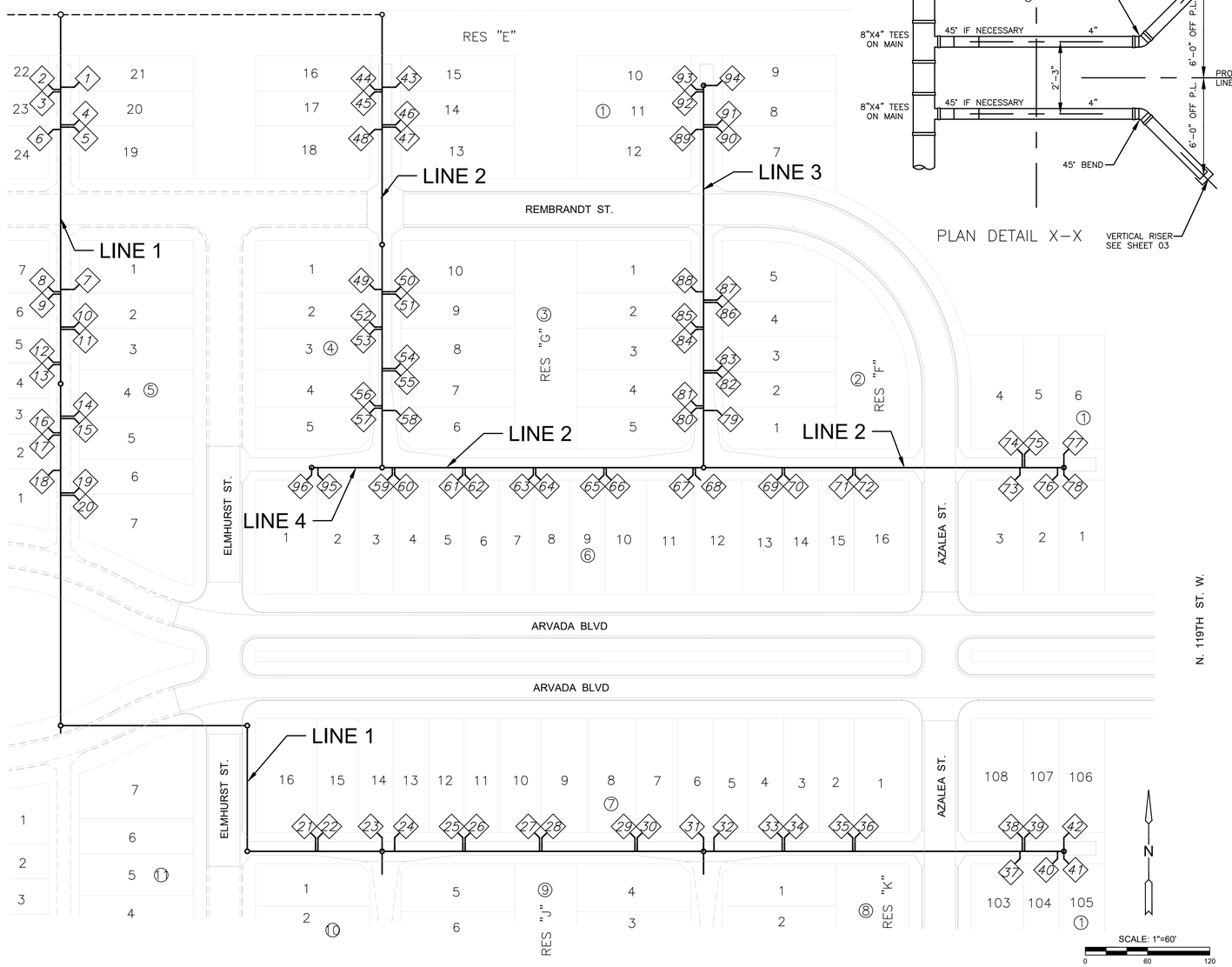
NO.	REVISION	DATE

SHEET NO.
09 OF 17

PLOTTED: Friday, November 04, 2022 @ 08:11AM

J:\PROJECTS\2020\20010107\08_MPH_116THANDI37TH DEVELOPMENT SERVICES\00 02\08 CAD\SHTS\05 CIVIL\SAN\SAN PH 1\20708-05-2301 PH1.DWG

SEWER SERVICE RISER TABLE							FOR INFORMATION ONLY	
		LOCATION					APPROXIMATE LENGTH	
NO.	TYPE	LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	VERTICAL (FT)	HORIZONTAL (FT)
1	4" TEE	21	1	1	10+63.03	LT	15.7'	20'
2	4" TEE	22	1	1	10+65.28	RT	15.7'	14'
3	4" TEE	23	1	1	10+67.53	RT	15.7'	14'
4	4" TEE	20	1	1	10+99.28	LT	15.4'	20'
5	4" TEE	19	1	1	11+01.53	LT	15.3'	20'
6	4" TEE	24	1	1	11+03.78	RT	15.3'	14'
7	4" TEE	1	5	1	12+58.03	LT	14.8'	20'
8	4" TEE	7	14	1	12+60.28	RT	14.8'	14'
9	4" TEE	6	14	1	12+62.53	RT	14.8'	14'
10	4" TEE	2	5	1	12+94.28	LT	15.0'	20'
11	4" TEE	3	5	1	12+96.53	LT	15.0'	20'
12	4" TEE	5	14	1	13+28.28	RT	15.1'	14'
13	4" TEE	4	14	1	13+30.53	RT	15.1'	14'
14	4" TEE	4	5	1	13+80.28	LT	15.2'	20'
15	4" TEE	5	5	1	13+82.53	LT	15.2'	20'
16	4" TEE	3	14	1	13+96.28	RT	15.3'	14'
17	4" TEE	2	14	1	13+98.53	RT	15.3'	14'
18	4" TEE	1	14	1	14+32.53	RT	15.3'	14'
19	4" TEE	6	5	1	14+54.28	LT	15.1'	20'
20	4" TEE	7	5	1	14+56.53	LT	15.1'	20'
21	4" TEE	16	7	1	20+45.78	LT	13.8'	20'
22	4" TEE	15	7	1	20+48.03	LT	13.8'	20'
23	4" MH CONNECTION	14	7	1	21+09.91	LT	13.1'	20'
24	4" TEE	13	7	1	21+22.03	LT	12.9'	20'
25	4" TEE	12	7	1	21+87.78	LT	12.2'	20'
26	4" TEE	11	7	1	21+90.03	LT	12.2'	20'
27	4" TEE	10	7	1	22+61.78	LT	11.4'	20'
28	4" TEE	9	7	1	22+64.03	LT	11.4'	20'
29	4" TEE	8	7	1	23+53.78	LT	10.5'	20'
30	4" TEE	7	7	1	23+56.03	LT	10.5'	20'
31	4" MH CONNECTION	6	7	1	24+19.91	LT	9.7'	20'
32	4" TEE	5	7	1	24+30.03	LT	9.6'	20'
33	4" TEE	4	7	1	24+95.78	LT	8.9'	20'
34	4" TEE	3	7	1	24+98.03	LT	8.9'	20'
35	4" TEE	2	7	1	25+63.78	LT	8.2'	20'
36	4" TEE	1	7	1	25+66.03	LT	8.2'	20'
37	4" TEE	103	1	1	27+25.03	RT	6.8'	14'
38	4" TEE	108	1	1	27+27.28	LT	6.8'	20'
39	4" TEE	107	1	1	27+29.53	LT	6.8'	20'
40	4" TEE	104	1	1	27+61.28	RT	6.5'	14'
41	4" MH CONNECTION	105	1	1	27+67.41	RT	6.4'	14'
42	4" MH CONNECTION	106	1	1	27+67.41	LT	6.4'	20'
43	4" TEE	15	1	2	10+63.10	LT	14.5'	20'
44	4" TEE	16	1	2	10+65.35	RT	14.5'	14'
45	4" TEE	17	1	2	10+67.60	RT	14.5'	14'
46	4" TEE	14	1	2	10+99.35	LT	14.1'	20'
47	4" TEE	13	1	2	11+01.60	LT	14.1'	20'
48	4" TEE	18	1	2	11+03.85	RT	14.1'	14'
49	4" TEE	1	4	2	12+58.10	RT	13.8'	14'
50	4" TEE	10	3	2	12+60.35	LT	13.8'	20'
51	4" TEE	9	3	2	12+62.60	LT	13.8'	20'
52	4" TEE	2	4	2	12+94.35	RT	14.1'	14'
53	4" TEE	3	4	2	12+96.60	RT	14.1'	14'
54	4" TEE	8	3	2	13+34.35	LT	14.4'	20'
55	4" TEE	7	3	2	13+36.60	LT	14.4'	20'
56	4" TEE	4	4	2	13+70.35	RT	14.8'	14'
57	4" TEE	5	4	2	13+72.59	RT	14.8'	14'
58	4" TEE	6	3	2	13+74.85	LT	14.8'	14'
59	4" TEE	3	6	2	14+39.84	RT	14.6'	14'
60	4" TEE	4	6	2	14+42.09	RT	14.6'	14'
61	4" TEE	5	6	2	15+07.84	RT	14.0'	14'
62	4" TEE	6	6	2	15+10.09	RT	14.0'	14'
63	4" TEE	7	6	2	15+75.84	RT	12.8'	14'
64	4" TEE	8	6	2	15+78.09	RT	12.8'	14'
65	4" TEE	9	6	2	16+43.84	RT	12.6'	14'
66	4" TEE	10	6	2	16+46.09	RT	12.6'	14'
67	4" TEE	11	6	2	17+29.84	RT	11.8'	14'
68	4" MH CONNECTION	12	6	2	17+32.09	RT	11.6'	14'
69	4" TEE	13	6	2	18+15.84	RT	10.8'	14'
70	4" TEE	14	6	2	18+18.09	RT	10.8'	14'
71	4" TEE	15	6	2	18+83.84	RT	10.1'	14'
72	4" TEE	16	6	2	18+86.09	RT	10.1'	14'
73	4" TEE	3	1	2	20+45.09	RT	8.8'	14'
74	4" TEE	4	1	2	20+47.34	LT	8.8'	20'
75	4" TEE	5	1	2	20+49.59	LT	8.8'	20'
76	4" TEE	2	1	2	20+81.34	RT	8.4'	14'
77	4" MH CONNECTION	6	1	2	20+87.47	LT	8.4'	20'
78	4" MH CONNECTION	1	1	2	20+87.47	RT	8.4'	14'



SEWER SERVICE RISER TABLE							FOR INFORMATION ONLY	
		LOCATION					APPROXIMATE LENGTH	
NO.	TYPE	LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	VERTICAL (FT)	HORIZONTAL (FT)
79	4" TEE	1	2	3	10+55.12	RT	11.3'	20'
80	4" TEE	5	3	3	10+57.37	LT	11.3'	14'
81	4" TEE	4	3	3	10+59.62	LT	11.3'	14'
82	4" TEE	2	2	3	10+91.38	RT	10.8'	20'
83	4" TEE	3	2	3	10+93.63	RT	10.8'	20'
84	4" TEE	3	3	3	11+33.37	LT	10.3'	14'
85	4" TEE	2	3	3	11+35.62	LT	10.3'	14'
86	4" TEE	4	2	3	11+59.38	RT	10.0'	20'
87	4" TEE	5	2	3	11+61.63	RT	10.0'	20'

SEWER SERVICE RISER TABLE							FOR INFORMATION ONLY	
		LOCATION					APPROXIMATE LENGTH	
NO.	TYPE	LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	VERTICAL (FT)	HORIZONTAL (FT)
88	4" TEE	1	3	3	11+69.62	LT	9.9'	14'
89	4" TEE	12	1	3	13+26.12	LT	8.8'	14'
90	4" TEE	7	1	3	13+28.38	RT	8.8'	20'
91	4" TEE	8	1	3	13+30.63	RT	8.8'	20'
92	4" TEE	11	1	3	13+62.37	LT	8.9'	14'
93	4" TEE	10	1	3	13+64.62	LT	8.9'	14'
94	4" MH CONNECTION	9	1	3	13+68.50	RT	8.9'	20'
95	4" TEE	2	6	4	10+61.88	LT	10.2'	14'
96	4" MH CONNECTION	1	6	4	10+68.00	LT	10.2'	14'

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SANITARY SEWER PLANS FOR

ARVADA ADDITION

PHASE 1

RISER MAP

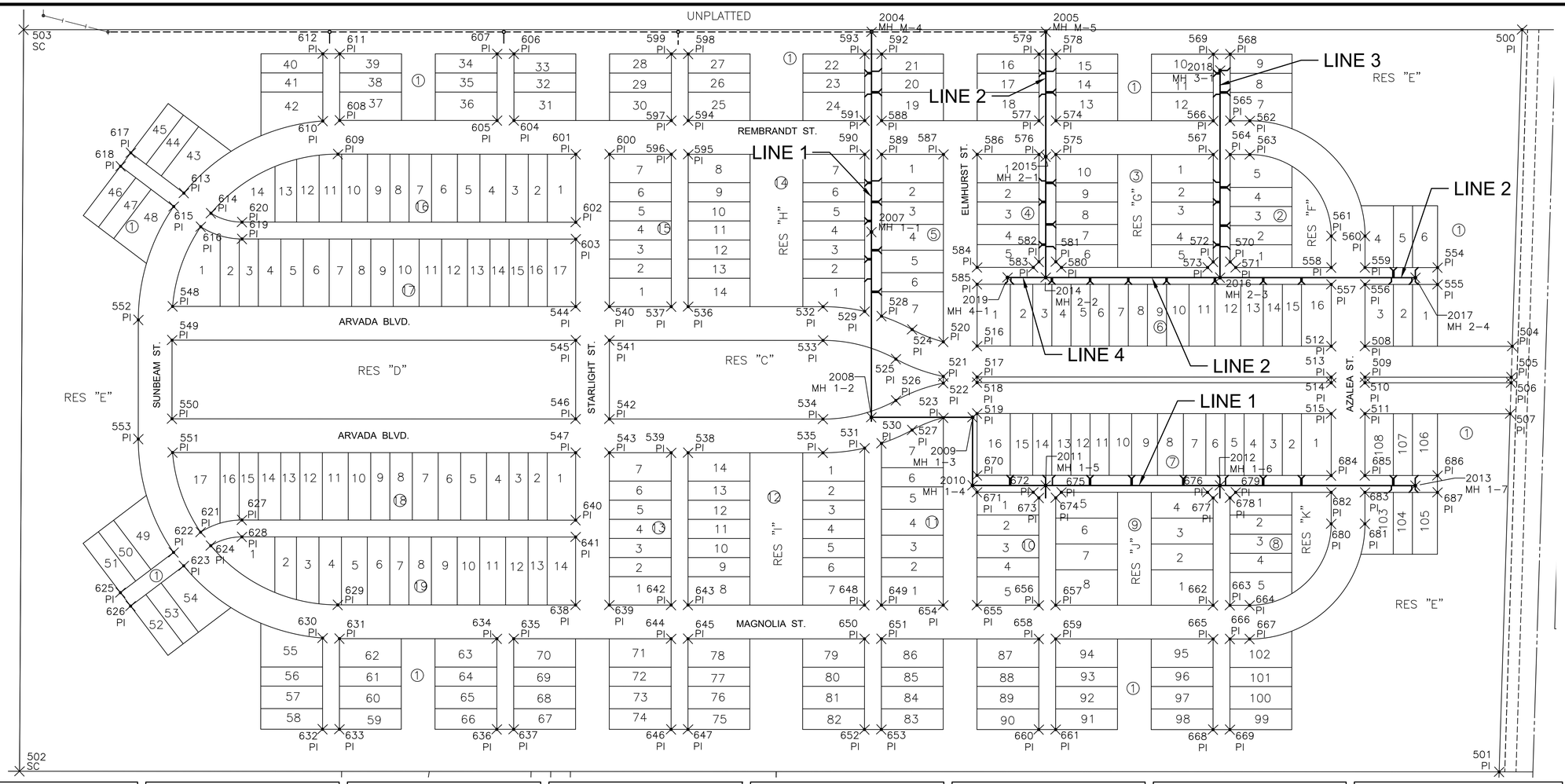
PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=60'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

NO.	REVISION	DATE

SHEET NO.

10 OF 17



PAVING POINTS			
Point #	Northing	Easting	Desc.
500	1707812.99	1607129.21	PI
501	1706491.86	1607133.05	PI
502	1706404.27	1604502.55	SC
503	1707723.15	1604465.29	SC
504	1707249.40	1607130.84	PI
505	1707194.38	1607131.00	PI
506	1707184.37	1607131.03	PI
507	1707129.35	1607131.19	PI
508	1707240.68	1606869.00	PI
509	1707185.71	1606870.83	PI
510	1707175.72	1606871.16	PI
511	1707120.75	1606872.99	PI
512	1707238.69	1606809.03	PI
513	1707183.72	1606810.86	PI
514	1707173.72	1606811.20	PI
515	1707118.75	1606813.03	PI
516	1707217.72	1606179.38	PI
517	1707162.75	1606181.21	PI
518	1707152.76	1606181.55	PI
519	1707097.79	1606183.38	PI

PAVING POINTS			
Point #	Northing	Easting	Desc.
520	1707223.25	1606119.16	PI
521	1707161.74	1606121.21	PI
522	1707149.77	1606121.61	PI
523	1707088.26	1606123.66	PI
524	1707243.33	1606062.88	PI
525	1707189.77	1606035.84	PI
526	1707116.13	1606038.29	PI
527	1707064.48	1606068.83	PI
528	1707265.21	1606007.71	PI
529	1707272.62	1605977.44	PI
530	1707038.99	1606015.24	PI
531	1707029.58	1605985.54	PI
532	1707278.56	1605903.17	PI
533	1707218.60	1605905.17	PI
534	1707078.67	1605909.83	PI
535	1707018.71	1605911.82	PI
536	1707270.58	1605663.34	PI
537	1707269.58	1605633.35	PI
538	1707010.72	1605671.99	PI
539	1707009.72	1605642.01	PI

PAVING POINTS			
Point #	Northing	Easting	Desc.
540	1707265.92	1605523.41	PI
541	1707205.95	1605525.41	PI
542	1707066.03	1605530.07	PI
543	1707006.06	1605532.07	PI
544	1707263.92	1605463.45	PI
545	1707203.95	1605465.44	PI
546	1707064.03	1605470.10	PI
547	1707004.06	1605472.10	PI
548	1707240.06	1604746.82	PI
549	1707180.06	1604747.84	PI
550	1707040.14	1604752.50	PI
551	1706980.20	1604755.48	PI
552	1707214.04	1604686.68	PI
553	1707002.16	1604693.73	PI
554	1707384.90	1606993.27	PI
555	1707354.92	1606994.27	PI
556	1707350.62	1606865.34	PI
557	1707348.63	1606805.37	PI
558	1707378.61	1606804.37	PI
559	1707380.61	1606864.34	PI

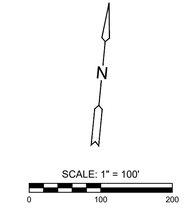
PAVING POINTS			
Point #	Northing	Easting	Desc.
560	1707394.08	1604865.16	PI
561	1706840.22	1604810.13	PI
562	1706802.67	1604763.27	PI
563	1706779.34	1604782.13	PI
564	1706816.83	1604829.08	PI
565	1706727.96	1604671.21	PI
566	1706704.67	1604690.12	PI
567	1706864.37	1604882.80	PI
568	1706834.39	1604883.80	PI
569	1706719.14	1605058.35	PI
570	1706639.30	1605033.33	PI
571	1706659.27	1605063.35	PI
572	1706497.16	1605038.73	PI
573	1706498.16	1605068.71	PI
574	1706668.59	1605343.19	PI
575	1706669.59	1605373.18	PI
576	1706507.48	1605348.56	PI
577	1706508.48	1605378.54	PI
578	1706733.21	1605481.12	PI
579	1706735.21	1605541.09	PI

PAVING POINTS			
Point #	Northing	Easting	Desc.
580	1706884.13	1605476.09	PI
581	1706854.15	1605477.09	PI
582	1706738.87	1605651.03	PI
583	1706739.87	1605681.01	PI
584	1706678.90	1605653.02	PI
585	1706679.90	1605683.01	PI
586	1706517.80	1605658.39	PI
587	1706518.79	1605688.37	PI
588	1706750.32	1605994.84	PI
589	1706751.32	1606024.82	PI
590	1706690.35	1605996.83	PI
591	1706691.35	1606026.82	PI
592	1706529.24	1606002.20	PI
593	1706530.24	1606032.18	PI
594	1706754.98	1606134.76	PI
595	1706756.98	1606194.72	PI
596	1706760.64	1606304.66	PI
597	1706761.64	1606334.65	PI
598	1706700.67	1606306.66	PI
599	1706701.67	1606336.64	PI

PAVING POINTS			
Point #	Northing	Easting	Desc.
600	1706539.56	1606312.02	PI
601	1706540.56	1606342.01	PI
602	1706770.95	1606614.49	PI
603	1706771.95	1606644.48	PI
604	1706773.12	1606679.46	PI
605	1706710.99	1606616.49	PI
606	1706711.99	1606646.47	PI
607	1706713.15	1606681.45	PI
608	1706549.88	1606621.85	PI
609	1706550.88	1606651.84	PI
610	1706987.85	1606187.04	PI
611	1706957.86	1606188.03	PI
612	1706961.19	1606287.98	PI
613	1706951.53	1606298.31	PI
614	1706952.53	1606328.29	PI
615	1706962.86	1606337.95	PI
616	1706971.51	1606597.81	PI
617	1706961.85	1606608.14	PI
618	1706962.85	1606638.12	PI
619	1706973.17	1606647.78	PI

PAVING POINTS			
Point #	Northing	Easting	Desc.
680	1706922.86	1606819.55	PI
681	1706924.86	1606879.52	PI
682	1706978.83	1606817.69	PI
683	1706980.83	1606877.65	PI
684	1707008.82	1606816.69	PI
685	1707010.81	1606876.65	PI
686	1707015.10	1607005.58	PI
687	1706985.12	1607006.58	PI

SANITARY POINTS			
Point #	Northing	Easting	Desc.
2004	1707769.99	1605972.88	MH M-4
2005	1707780.44	1606282.71	MH M-5
2007	1707414.21	1605984.73	MH 1-1
2008	1707084.76	1605995.71	MH 1-2
2009	1707090.75	1606175.61	MH 1-3
2010	1706969.59	1606179.64	MH 1-4
2011	1706973.92	1606309.57	MH 1-5
2012	1706984.24	1606619.40	MH 1-6
2013	1706995.80	1606966.70	MH 1-7
2014	1707343.71	1606297.25	MH 2-2
2015	1707558.58	1606290.10	MH 2-1
2016	1707354.03	1606607.08	MH 2-3
2017	1707365.60	1606954.39	MH 2-4
2018	1707722.33	1606594.82	MH 3-1
2019	1707341.45	1606229.29	MH 4-1



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ARVADA ADDITION

SANITARY SEWER PLANS FOR

PHASE 1

BUBBLE MAP

PROJECT NO.	468-2022-024784
DATE	NOV 2022
SCALE	1"=100'

DESIGNED	DRAWN	CHECKED
DFL	LAL	SPE

NO.	REVISION	DATE

SHEET NO.

11 OF 17