

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE CHEROKEE METROPOLITAN DISTRICT (CMD) ENGINEERING AGENCIES, THE ENGINEER APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
MDC HOLDINGS
 RICHMOND AMERICAN HOMES
 4350 S. MONACO STREET
 DENVER, CO 80237
 ATTN: JASON POCK
 720-977-3827

JR ENGINEERING
 A Western Company
 Centennial 303-740-9988 • Colorado Springs 719-593-2586
 Fort Collins 970-491-9988 • www.jrengineering.com

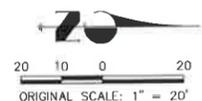
BY	DATE	NO.	REVISION

SEE SHEET 7

SERVICE/BLDG #	STATION	ALIGNMENT	DESCRIPTION
SS41	1+61.91	SP02	SANITARY SEWER SERVICE
SS42	1+83.91	SP02	SANITARY SEWER SERVICE
SS43	2+11.91	SP02	SANITARY SEWER SERVICE
SS44	2+33.91	SP02	SANITARY SEWER SERVICE
SS45	2+31.91	SP02	SANITARY SEWER SERVICE
SS46	2+09.91	SP02	SANITARY SEWER SERVICE
SS47	1+81.85	SP02	SANITARY SEWER SERVICE
SS48	1+59.91	SP02	SANITARY SEWER SERVICE
SS49	1+32.91	SP02	SANITARY SEWER SERVICE
SS50	1+12.91	SP02	SANITARY SEWER SERVICE
SS51	3+57.06	SP01	SANITARY SEWER SERVICE
SS52	3+35.06	SP01	SANITARY SEWER SERVICE
SS53	3+07.06	SP01	SANITARY SEWER SERVICE
SS54	2+85.06	SP01	SANITARY SEWER SERVICE

SERVICE/BLDG #	STATION	ALIGNMENT	DESCRIPTION
WS41	1+84.91	WP02	POTABLE WATER SERVICE
WS42	2+04.91	WP02	POTABLE WATER SERVICE
WS43	2+34.91	WP02	POTABLE WATER SERVICE
WS44	2+54.91	WP02	POTABLE WATER SERVICE
WS45	2+32.91	WP02	POTABLE WATER SERVICE
WS46	2+10.91	WP02	POTABLE WATER SERVICE
WS47	1+82.91	WP02	POTABLE WATER SERVICE
WS48	1+60.91	WP02	POTABLE WATER SERVICE
WS49	1+33.91	WP02	POTABLE WATER SERVICE
WS50	1+15.28	WP02	POTABLE WATER SERVICE
WS51	3+12.10	WP01	POTABLE WATER SERVICE
WS52	2+90.10	WP01	POTABLE WATER SERVICE
WS53	2+62.10	WP01	POTABLE WATER SERVICE
WS54	2+40.10	WP01	POTABLE WATER SERVICE

- NOTES:**
- ALL PROPOSED STORM SEWER AND APPURTENANCES ARE PRIVATE UNLESS OTHERWISE NOTED.
 - ALL PROPOSED WATER AND SANITARY SEWER LINES AND STRUCTURES ARE PUBLIC UNLESS OTHERWISE NOTED.
 - ALL SERVICES SHALL BE INSTALLED PER CHEROKEE METROPOLITAN DISTRICT (CMD) CRITERIA SEE DETAIL SHEETS 9-10 FOR TYPICAL SERVICE LINE CONNECTIONS, CONFIGURATIONS, AND LAYOUT.
 - ALL WATER SERVICES SHALL BE 1" HOPE SDR9 CTCS (COPPER SIZE TUBE), PER CSU DETAIL B1-6.
 - ALL WATER SERVICES SHALL INCLUDE AN APPROVED BACKFLOW DEVICE PER CSU WATER LINE EXTENSION AND SERVICE STANDARDS (WATER LESS) CRITERIA.
 - ALL SANITARY SEWER SERVICE CONNECTIONS SHALL BE 4" PVC SCHEDULE 40 PER CSU DETAIL D1-6.
 - FOR SANITARY SERVICES WITH GREATER THAN 6' OF COVER, REFER TO WASTEWATER LESS 2.6.F.1.
 - SANITARY SERVICE LINE TAPS SHALL BE INSTALLED @ THE LOCATION SHOWN ON THESE PLANS PER DETAILS D1-3 - D1-6. SEE JR WASTEWATER CONSTRUCTION PLANS FOR PROPOSED SANITARY SEWER VERTICAL ALIGNMENT AND DESIGN INFORMATION.
 - ALL SANITARY SERVICES SHALL SLOPE @ 2.08% OR GREATER FOR THE ENTIRE LENGTH OF THE SERVICE.
 - ALL SANITARY SERVICES SHALL INCLUDE A SINGLE CLEANOUT PER DETAIL D1-4.
 - CONTRACTOR SHALL MAINTAIN ALL REQUIRED VERTICAL AND HORIZONTAL SEPARATIONS BETWEEN PROPOSED SERVICES, OTHER UTILITIES, AND STRUCTURES. SEE WATER LESS 2.6.G.3 & 4, AND WASTEWATER LESS 2.5.D.3 & 4.
 - CAUTION! WHERE PROPOSED SERVICES CROSS ANOTHER UTILITY, THE MINIMUM VERTICAL SEPARATION IS 1.5'.
 - CLEARANCE BETWEEN WATER MAIN AND SANITARY SERVICE LINE WILL BE LESS THAN 1.5' FOR SANITARY SERVICE LINES S6, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S41 & S42. CONTRACTOR SHALL FLOWFILL ACCORDING TO CSU WASTEWATER LESS DETAIL C2-7.
 - SEE JR WATER SYSTEM PLANS FOR POTABLE WATER SYSTEM DESIGN INFORMATION.
 - SEE JR GESC, STREET IMPROVEMENT, PBMP, AND STORM PLANS FOR ASSOCIATED DESIGN INFORMATION.



CHEROKEE METROPOLITAN DISTRICT
 UTILITIES PLAN APPROVAL
 THE CHEROKEE METROPOLITAN DISTRICT RECOGNIZES THE DESIGN PROFESSIONAL OF RECORD AS THE LICENSED ENGINEER HAVING RESPONSIBILITY FOR THE SUBMITTED DESIGN AND THE DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. AS SUCH, THE APPROVAL GRANTED HEREIN IS FOR THE CONSTRUCTION OF THE FACILITIES AS REPRESENTED ON THESE DOCUMENTS. APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE BELOW AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.

APPROVED BY: _____ DATE: _____
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

GLENN D. ELLIS, P.E.
 COLORADO P.E. 38861
 FOR AND ON BEHALF OF JR ENGINEERING

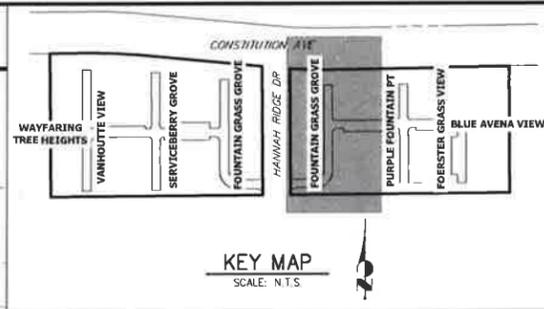
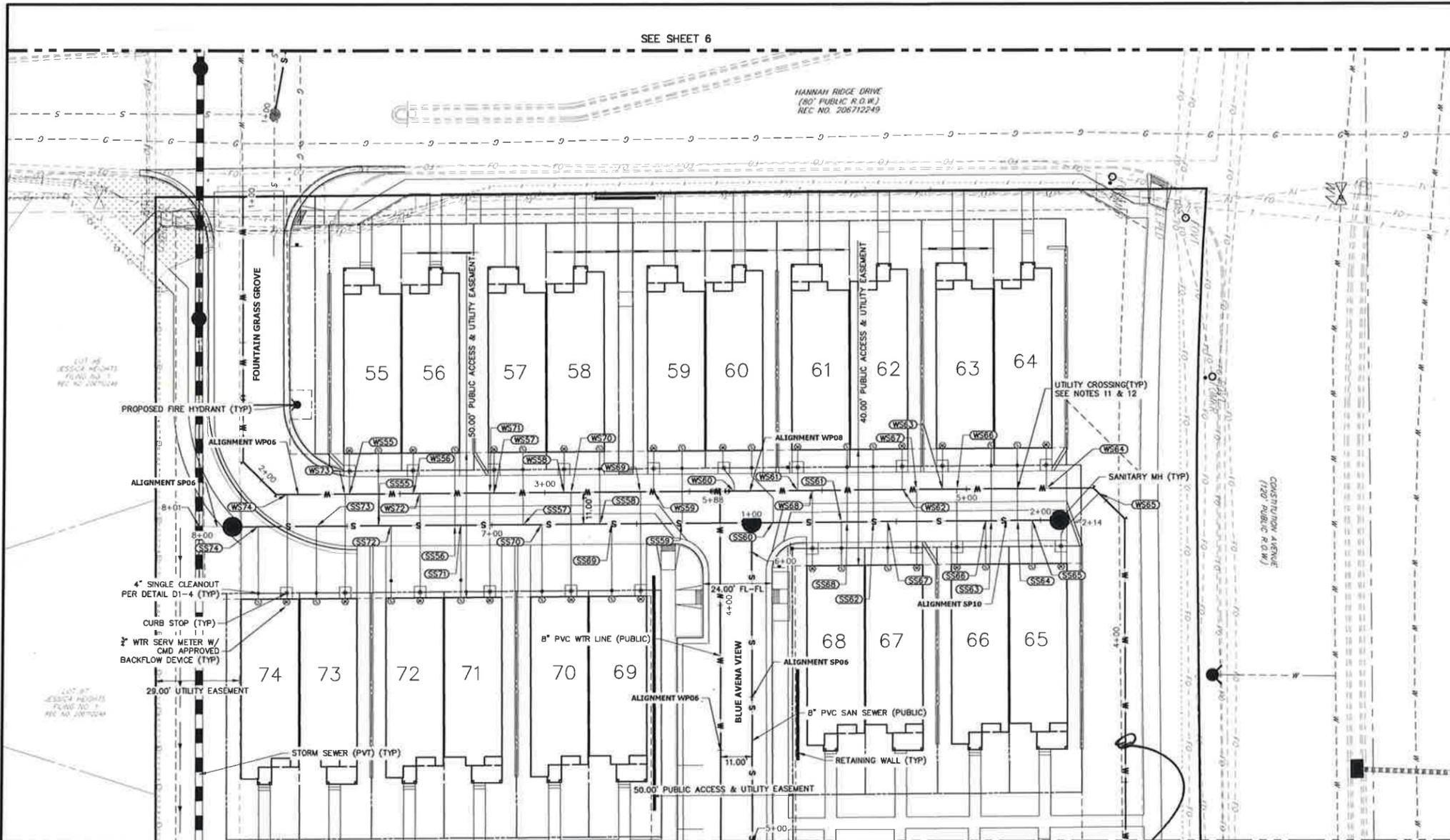


THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

URBAN COLLECTION AT PALMER VILLAGE
 OVERALL UTILITY PLAN
 LOTS 41-54
 UTILITY SERVICE PLAN

SHEET 6 OF 10
 JOB NO. 25149.01





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 - ALL WATER SERVICES SHALL BE 1/2" HDPE SDR35 CTS (COPPER SIZE TUBE), PER CSU DETAIL B1-6.
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ADD VALVE
 > 12 LOTS PER VALVE

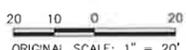
UTILITY SERVICE TABULATION			
SERVICE/BLDG #	STATION	ALIGNMENT	DESCRIPTION
SS55	7+39.26	SP06	SANITARY SEWER SERVICE
SS56	7+12.78	SP06	SANITARY SEWER SERVICE
SS57	6+89.27	SP06	SANITARY SEWER SERVICE
SS58	6+62.78	SP06	SANITARY SEWER SERVICE
SS59	6+34.27	SP06	SANITARY SEWER SERVICE
SS60	1+07.50	SP10	SANITARY SEWER SERVICE
SS61	1+31.00	SP10	SANITARY SEWER SERVICE
SS62	1+42.06	SP10	SANITARY SEWER SERVICE
SS63	1+83.00	SP10	SANITARY SEWER SERVICE
SS64	1+92.06	SP10	SANITARY SEWER SERVICE
SS65	1+97.00	SP10	SANITARY SEWER SERVICE
SS66	1+81.00	SP10	SANITARY SEWER SERVICE
SS67	1+47.00	SP10	SANITARY SEWER SERVICE
SS68	1+33.00	SP10	SANITARY SEWER SERVICE
SS69	6+58.70	SP06	SANITARY SEWER SERVICE
SS70	6+82.78	SP06	SANITARY SEWER SERVICE
SS71	7+10.77	SP06	SANITARY SEWER SERVICE
SS72	7+34.85	SP06	SANITARY SEWER SERVICE
SS73	7+60.76	SP06	SANITARY SEWER SERVICE
SS74	7+80.76	SP06	SANITARY SEWER SERVICE

UTILITY SERVICE TABULATION			
SERVICE/BLDG #	STATION	ALIGNMENT	DESCRIPTION
WS55	2+32.50	WP06	POTABLE WATER SERVICE
WS56	2+54.56	WP06	POTABLE WATER SERVICE
WS57	2+82.49	WP06	POTABLE WATER SERVICE
WS58	3+06.63	WP06	POTABLE WATER SERVICE
WS59	3+37.57	WP06	POTABLE WATER SERVICE
WS60	5+80.39	WP08	POTABLE WATER SERVICE
WS61	5+58.37	WP08	POTABLE WATER SERVICE
WS62	5+22.33	WP08	POTABLE WATER SERVICE
WS63	5+08.37	WP08	POTABLE WATER SERVICE
WS64	4+72.33	WP08	POTABLE WATER SERVICE
WS65	4+53.51	WP08	POTABLE WATER SERVICE
WS66	5+03.39	WP08	POTABLE WATER SERVICE
WS67	5+17.39	WP08	POTABLE WATER SERVICE
WS68	5+53.39	WP08	POTABLE WATER SERVICE
WS69	3+33.06	WP06	POTABLE WATER SERVICE
WS70	3+08.98	WP06	POTABLE WATER SERVICE
WS71	2+80.99	WP06	POTABLE WATER SERVICE
WS72	2+56.91	WP06	POTABLE WATER SERVICE
WS73	2+31.00	WP06	POTABLE WATER SERVICE
WS74	2+11.00	WP06	POTABLE WATER SERVICE

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 GLENN D. ELLIS, P.E.
 COLORADO P.E. 38861
 FOR AND ON BEHALF OF JR ENGINEERING



NO.	REVISION	BY	DATE	H-S SCALE		V-S SCALE		DESIGNED BY	DRAWN BY	CHECKED BY
				1"=20'	N/A	01-05-2	APL			

URBAN COLLECTION AT
 PALMER VILLAGE
 OVERALL UTILITY PLAN
 LOTS 55-74
 UTILITY SERVICE PLAN

SHEET 7 OF 10
 JOB NO 25149.01

