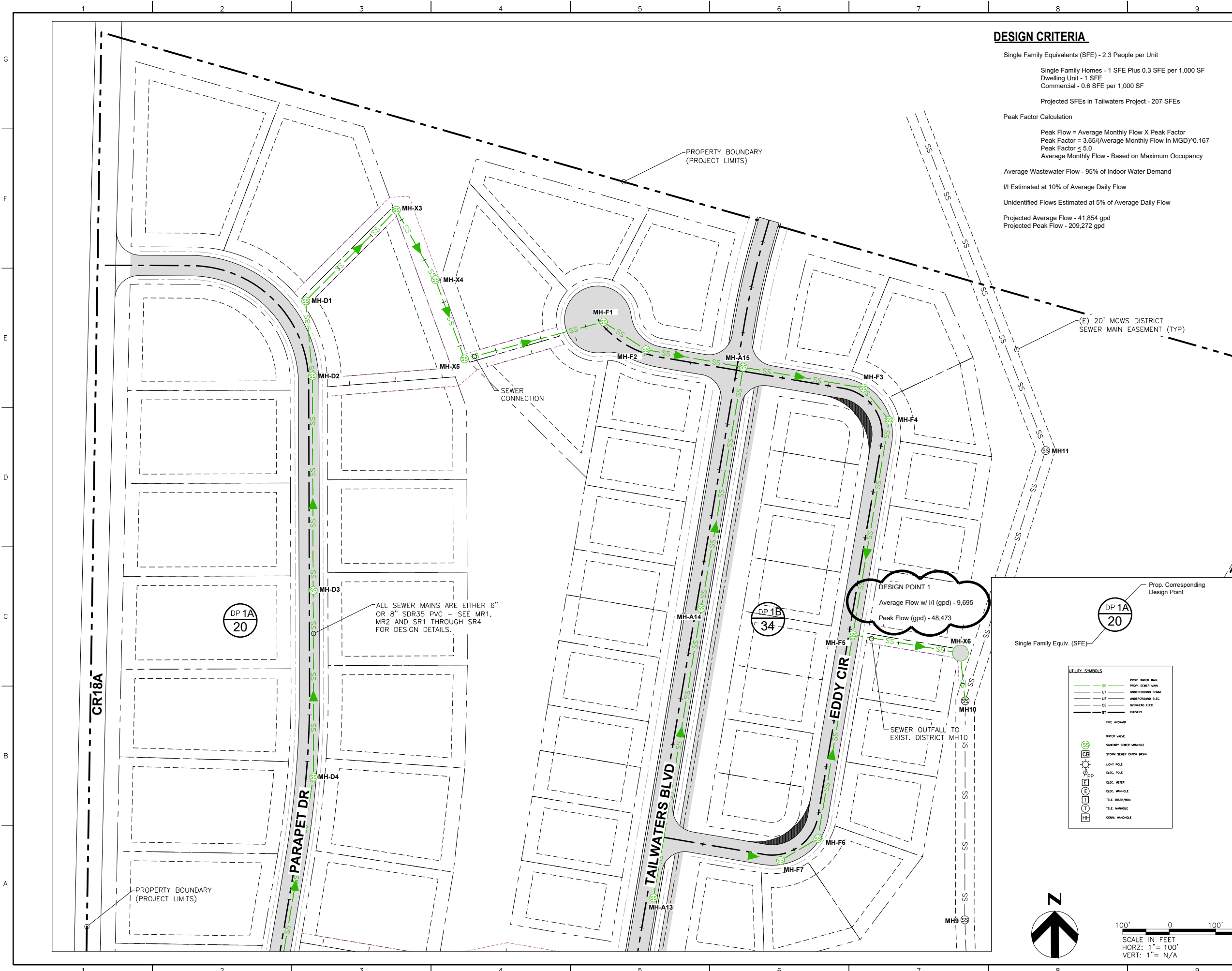


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 PLOT DATE/TIME: 10/9/2024 11:56 AM
 PLOTTED BY: SAM OTERO
 PLOT STYLE: 8140CAD_MSTANDARD.CTB



DESIGN CRITERIA

Single Family Equivalents (SFE) - 2.3 People per Unit

Single Family Homes - 1 SFE Plus 0.3 SFE per 1,000 SF
 Dwelling Unit - 1 SFE
 Commercial - 0.6 SFE per 1,000 SF

Projected SFEs in Tailwaters Project - 207 SFEs

Peak Factor Calculation

Peak Flow = Average Monthly Flow X Peak Factor
 Peak Factor = 3.65/(Average Monthly Flow In MGD)^{0.167}
 Peak Factor ≤ 5.0
 Average Monthly Flow - Based on Maximum Occupancy

Average Wastewater Flow - 95% of Indoor Water Demand

I/I Estimated at 10% of Average Daily Flow

Unidentified Flows Estimated at 5% of Average Daily Flow

Projected Average Flow - 41,854 gpd
 Projected Peak Flow - 209,272 gpd

OWNER:

**TAILWATERS AT
 STAGECOACH, LLC**

PLANNER:



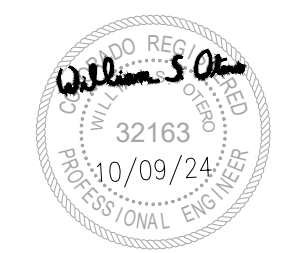
ARCHITECT:

LANDSCAPE ARCHITECT:

**NOT FOR
 CONSTRUCTION**

ENGINEER:

NKE 7638 S Crocker Ct
 Littleton, CO 80120
 (970) 445-8810



ISSUE	DATE	DESCRIPTION
3	10/09/24	COUNTY PLAN COMMENTS
2	08/23/24	DRAINAGE PLAN UPDATE
1	07/19/24	PRELIMINARY PLAN UPDATE
0	01/11/24	PRELIMINARY PLAN SUBMISSION

DRAWN BY: S. OTERO
 SHEET TITLE:

**PROJECTED SEWER
 FLOW MAP**

SHEET NUMBER:

SW1

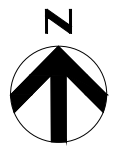
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DESIGN POINT 2
 Average Flow w/ I/I (gpd) - 14,218
 Peak Flow (gpd) - 71,094

UTILITY SYMBOLS

	PROP. WATER MAIN
	PROP. SEWER MAIN
	UNDERGROUND COMM.
	UNDERGROUND ELEC.
	OVERHEAD ELEC.
	CULVERT
	FIRE HYDRANT
	WATER VALVE
	SANITARY SEWER MANHOLE
	STORM SEWER CATCH BASIN
	LIGHT POLE
	ELEC. POLE
	ELEC. METER
	ELEC. MANHOLE
	TELE. BASE/BOX
	TELE. MANHOLE
	COMM. MANHOLE



100' 0 100' 200'
 SCALE IN FEET
 HORZ: 1" = 100'
 VERT: 1" = N/A

OWNER:
TAILWATERS AT STAGECOACH, LLC

PLANNER:

 164 Railroad Ave
 Minturn, CO 81645
 (970) 239-1485

ARCHITECT:

LANDSCAPE ARCHITECT:

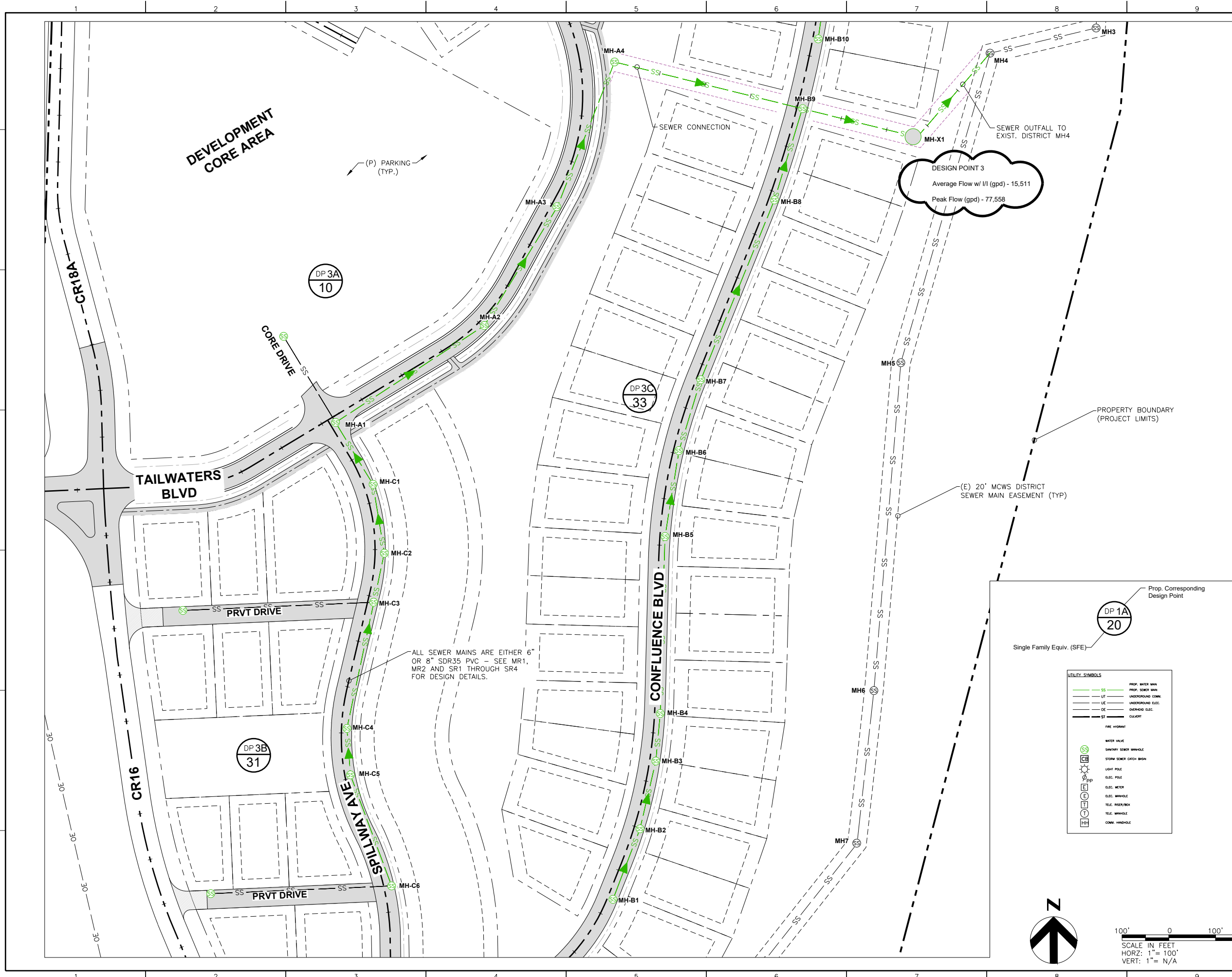
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DRAWN BY: S. OTERO
 SHEET TITLE:
PROJECTED SEWER FLOW MAP
 SHEET NUMBER:
SW2

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WILLIAM S. OTERO
 32163
 10/09/24
 PROFESSIONAL ENGINEER

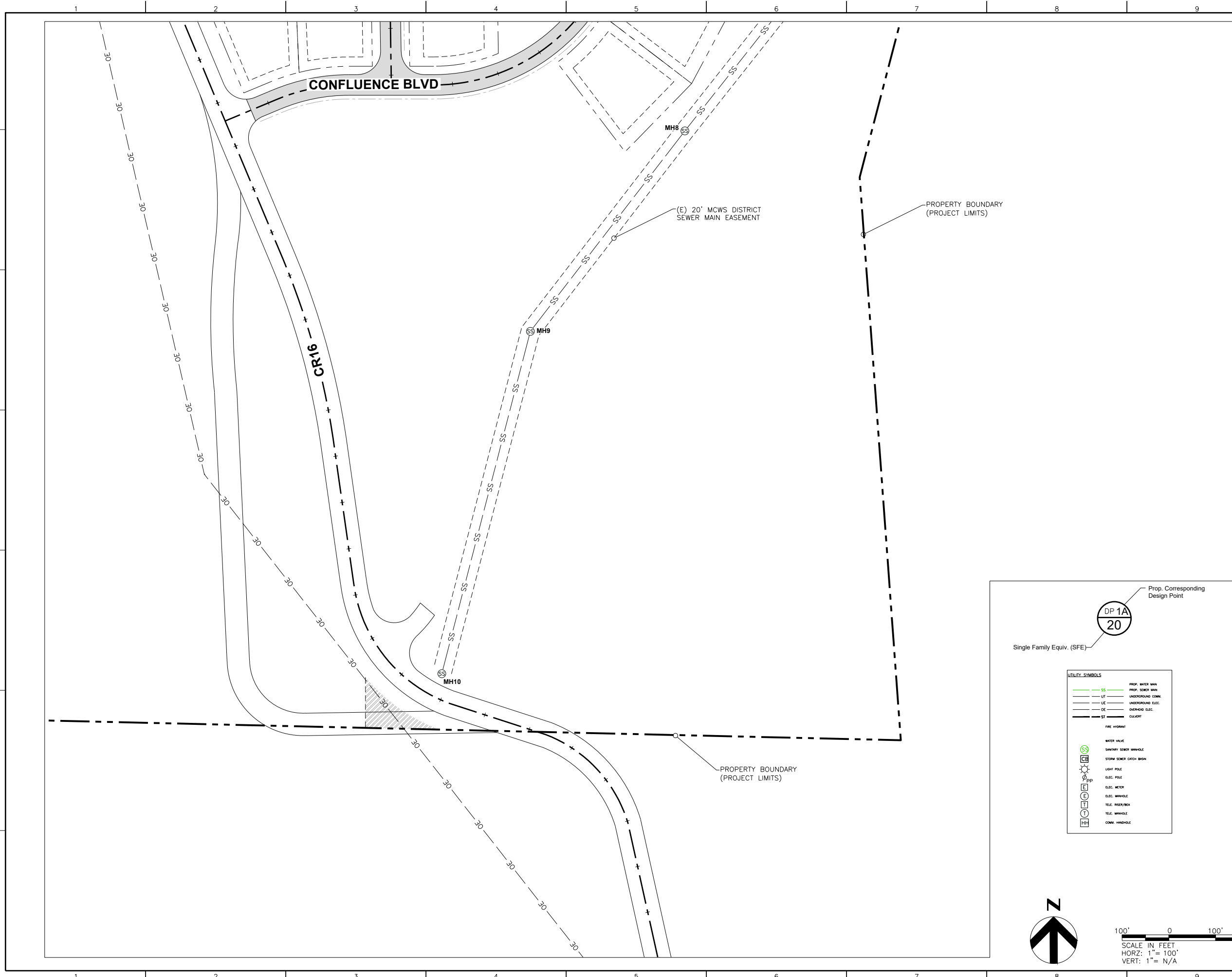
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DRAWN BY: S. OTERO

SHEET TITLE:
PROJECTED SEWER FLOW MAP

SHEET NUMBER:
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Prop. Corresponding Design Point

DP 1A
20

Single Family Equiv. (SFE)

UTILITY SYMBOLS	
SS	PROP. WATER MAIN
SS	PROP. SEWER MAIN
UT	UNDERGROUND COMM.
UE	UNDERGROUND ELEC.
OE	OVERHEAD ELEC.
ST	COLLECTOR
FW	FIRE HYDRANT
WV	WATER VALVE
SM	SANITARY SEWER MANHOLE
SCB	STORM SEWER CATCH BASIN
LP	LIGHT POLE
EM	ELEC. METER
EMH	ELEC. MANHOLE
EMR	TELE. MANHOLE
EMH	TELE. MANHOLE
EMH	COMM. MANHOLE



100' 0 100' 200'

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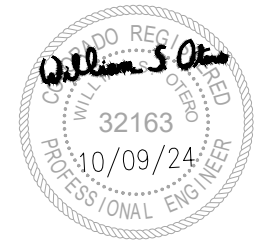
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DRAWN BY: S. OTERO

SHEET TITLE:

PROJECTED SEWER FLOW MAP

SHEET NUMBER:

SW4

