

Capital Projects Update

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TWDB SRF Applications

TWDB will publish draft IUP (Intended Use Plan) in September. The draft IUP gives us the ranking of all the applications. That's when we will know.

DWSRF (Water projects) \$14.5M (12.8+1.7)

CWSRF (Wastewater projects) \$14.5M (12.7+1.8)

SS4A Application

USDOT Safe Streets and Roads for ALL 2025 Planning and Demonstration Grants (June 26th, 2025)

2025 Sidewalk Improvement project (\$300k)

20% Match (\$60k)



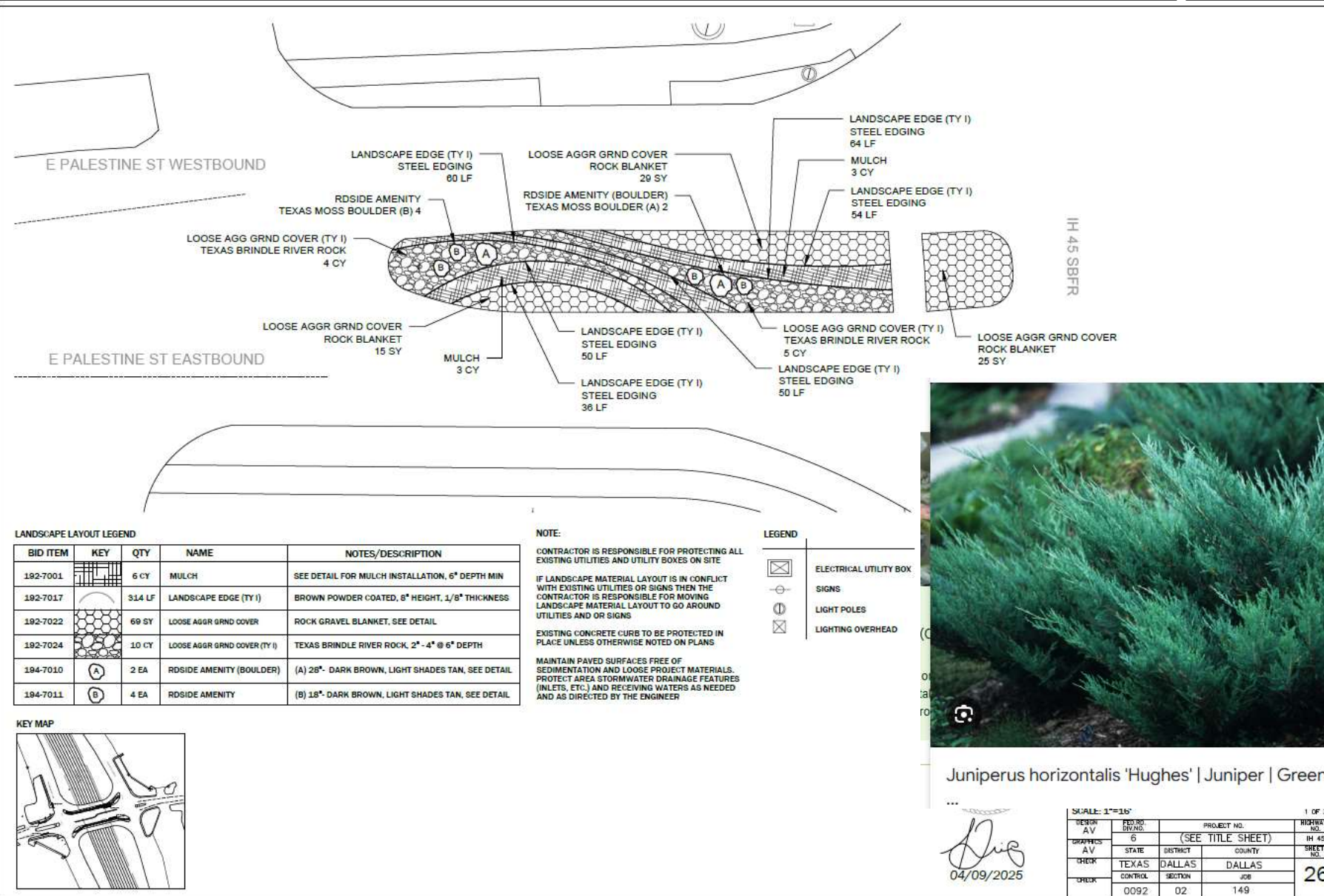
Dallas County CDBG

City of Hutchins submitted its application for the following priority projects (\$329k):

Code Enforcement Officer – Continued Funding (2 years) \$120k

Wastewater Collection System Manhole Rehab - \$209k

TxDOT Green Ribbon Project



Juniperus horizontalis 'Hughes' | Juniper | Green Barn

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Gateway Signs Project



Water Masterplan

Based on our assumptions, including jail population, buildout population is estimated to be 12,149 people.



Current Population Total: 6,429

Future Land Use	Undeveloped Acreage	Future Connections	Estimated Future Population
Single-Family Residential – Low Density	103	10	25
Single-Family Residential – Medium Density*	620	2,385	5,480
Multi-Family Residential**	0	0	0
Jail	0	0	215

Future Additional Population Total: 5,720

* The planned Southaven development is included.

** The parcel south of Hutchins Gateway will most likely become a medium density residential.

Buildout Population Total: 12,149

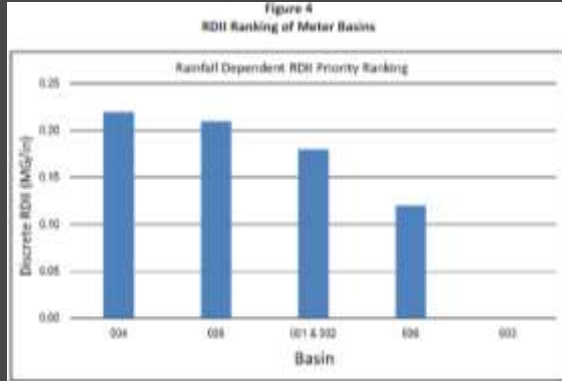
Buildout average day demand was estimated to be 4.96 MGD with max month demand being 5.85 MGD.



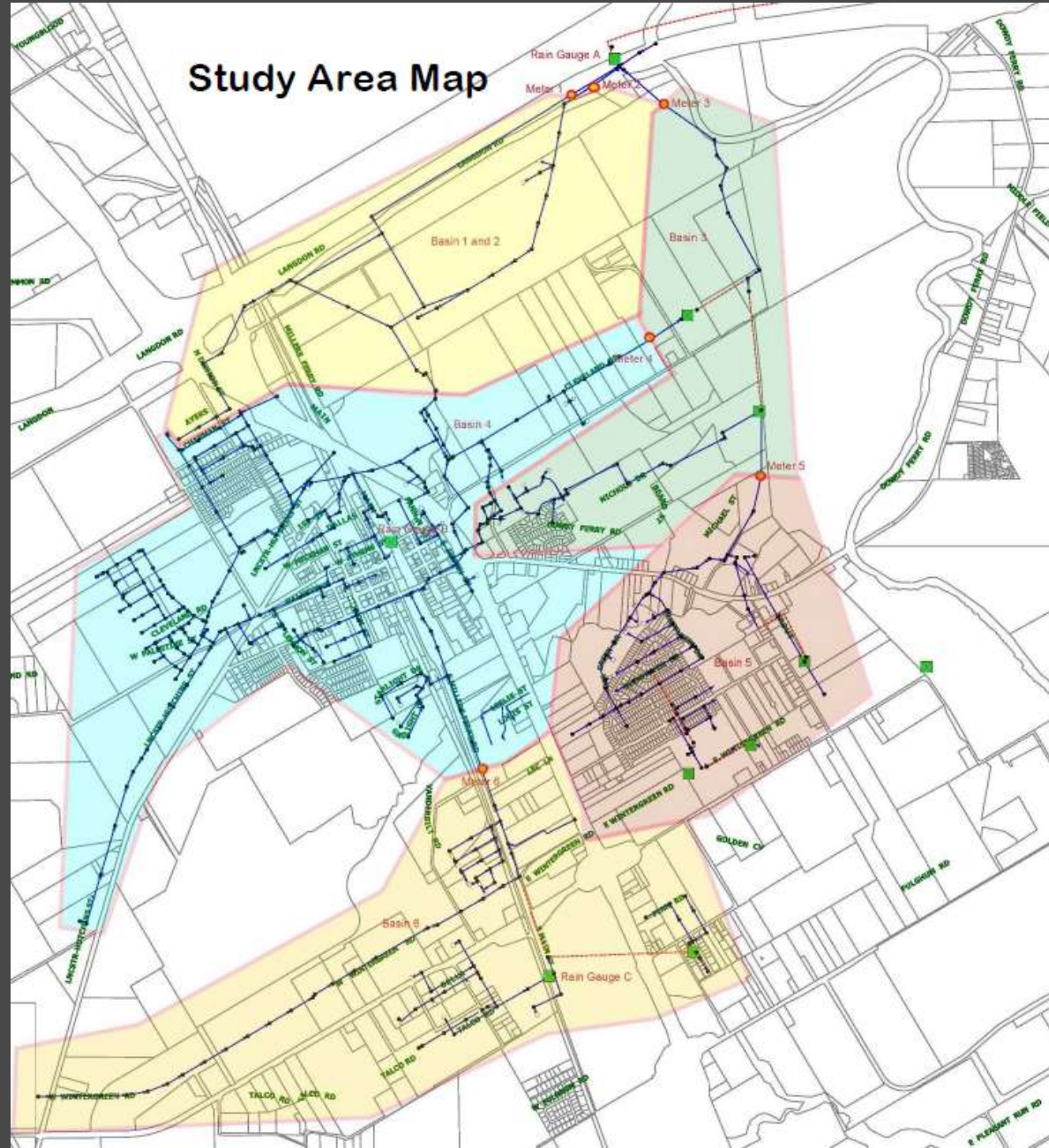
Land Use	ADD (MGD)	MMD (MGD)
Existing Residential/Jail	0.68	0.81
Existing Industrial/Commercial	0.45	0.61
Future Residential	0.42	0.48
Future Industrial/Commercial	3.41	3.95
Buildout Total	4.96	5.85

The previous master plan has a BO MDD of 7.98 MGD

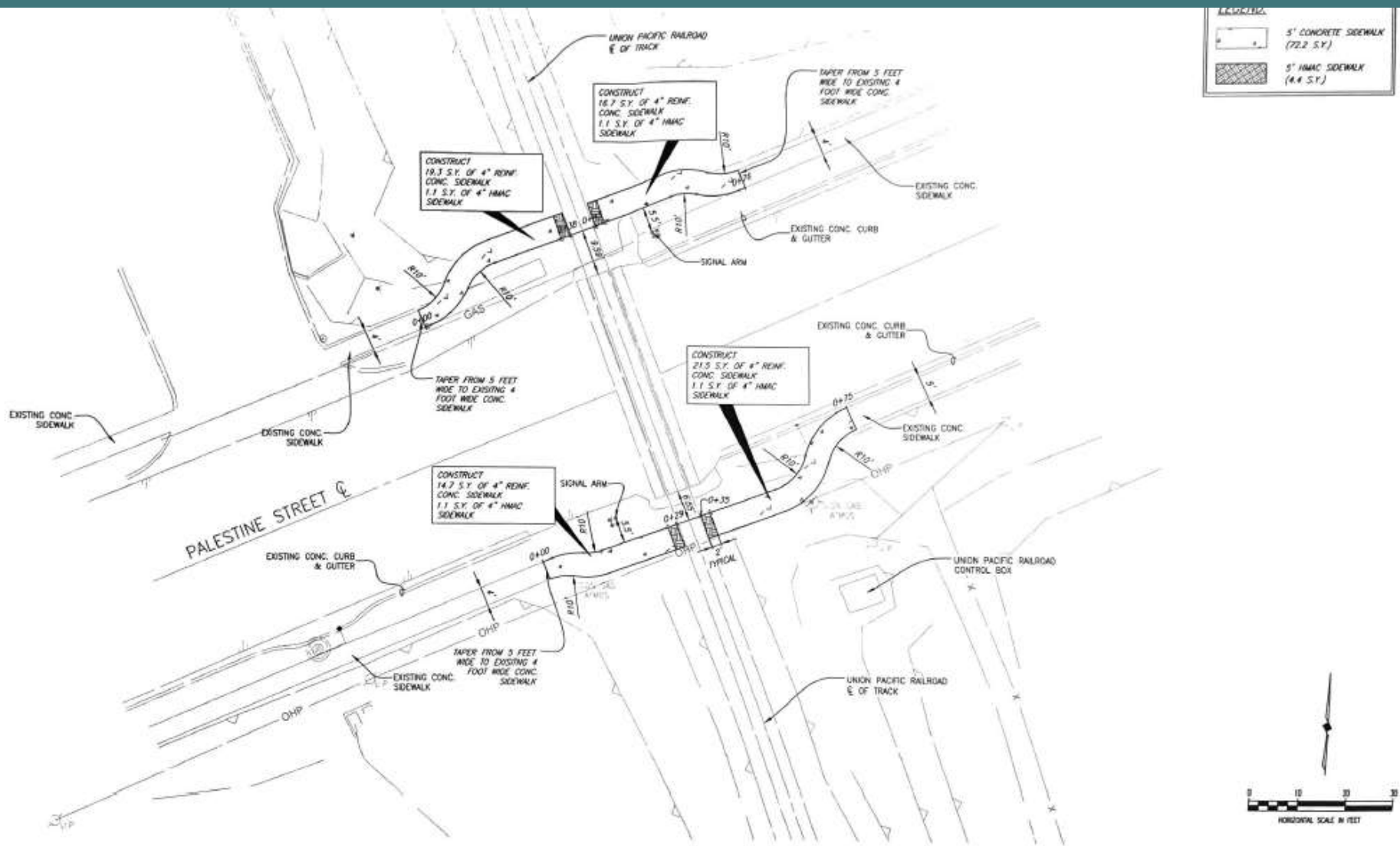
Wastewater I&I & Flow Monitoring



Meter	Pipe Diameter (in)	Storm Event Date	Basin Rainfall (in)	Cumulative Storm Event Volume (MG)	Equivalent Base Flow Volume (MG)	RDII Volume (MG)	Peak Flow Rate (MGD)	Peaking Factor	Maximum Level (in)	Maximum d/D	Discrete RDII (MG)	Discrete RDII (MG/in)
001	12	April 23-24, 2025	1.95	1.50	1.17	0.33	1.00	2.6	98.31	819.3%	0.34	0.17
		April 30, 2025	2.21	1.93	1.40	0.53	1.02	2.7	104.31	869.2%	0.59	0.27
		May 5-6, 2025	2.19	1.34	0.94	0.39	1.00	2.6	120.84	1007.0%	0.46	0.21
		May 26, 2025	1.32	0.93	0.78	0.15	0.78	2.0	29.85	248.8%	0.16	0.12
		June 3, 2025	0.74	1.01	0.90	0.11	0.96	2.5	8.97	74.7%	0.11	0.15
		June 8-9, 2025	2.87	1.82	1.35	0.47	0.99	2.6	113.23	943.6%	0.51	0.18
	Average											0.18
002	10	April 23-24, 2025	1.95	0.06	0.05	0.01	0.08	5.4	64.50	645.0%	Combined with FM 001	
		April 30, 2025	2.21	0.10	0.03	0.07	0.26	18.6	76.24	762.4%		
		May 5-6, 2025	2.19	0.10	0.03	0.07	0.35	25.0	92.96	929.6%		
		May 26, 2025	1.32	0.03	0.03	0.01	0.05	3.8	3.04	30.4%		
		June 3, 2025	0.74	0.03	0.03	0.00	0.12	8.9	3.92	39.2%		
		June 8-9, 2025	2.87	0.08	0.04	0.04	0.45	32.2	96.51	965.1%		
	Average											
003	15	April 23-24, 2025	1.94	2.65	1.82	0.83	1.61	3.5	60.60	404.0%	0.00	0.00
		April 30, 2025	2.29	3.06	1.53	1.53	2.16	4.6	60.82	405.4%	0.00	0.00
		May 5-6, 2025	2.17	3.54	1.80	1.74	1.66	3.6	60.50	403.3%	0.00	0.00
		May 26, 2025	1.38	1.27	0.79	0.49	1.50	3.2	9.26	61.7%	0.01	0.01
		June 3, 2025	0.84	1.19	0.95	0.23	0.72	1.5	7.76	51.7%	0.02	0.02
	Average											0.00
004	18	April 23-24, 2025	1.90	0.83	0.43	0.40	0.65	3.6	4.94	27.5%	0.30	0.16
		April 30, 2025	2.17	1.50	0.37	1.13	1.34	7.5	71.76	398.7%	0.82	0.38
		May 5-6, 2025	2.17	2.27	0.99	1.27	1.64	9.2	73.83	410.2%	0.98	0.45
		May 26, 2025	1.39	0.48	0.30	0.18	0.58	3.3	4.55	25.3%	0.13	0.09
		June 3, 2025	0.68	0.44	0.34	0.10	0.44	2.5	4.28	23.8%	0.01	0.02
	Average											0.22
005	10	April 23-24, 2025	1.84	0.82	0.38	0.44	0.78	5.6	35.18	351.8%	0.44	0.24
		April 30, 2025	2.19	1.16	0.76	0.40	0.96	6.9	99.71	997.1%	0.40	0.18
		May 5-6, 2025	2.12	0.99	0.50	0.49	0.87	6.3	100.42	1004.2%	0.49	0.23
		May 26, 2025	1.53	0.52	0.22	0.30	0.86	6.2	40.05	400.5%	0.30	0.19
		June 3, 2025	0.68	0.40	0.28	0.12	0.62	4.5	25.14	251.4%	0.12	0.18
		June 8-9, 2025	2.92	1.07	0.39	0.68	1.08	7.8	100.22	1002.2%	0.68	0.23
	Average											0.21
006	18	April 23-24, 2025	1.73	0.28	0.18	0.10	0.89	11.4	6.58	36.6%	0.10	0.06
		April 30, 2025	2.17	0.58	0.27	0.31	1.29	16.6	7.86	43.7%	0.31	0.14
		May 5-6, 2025	2.06	0.51	0.22	0.29	0.86	11.0	7.40	41.1%	0.29	0.14
		May 26, 2025	1.74	0.13	0.07	0.05	0.85	10.9	6.11	33.9%	0.05	0.03
		June 3, 2025	0.61	0.20	0.12	0.08	0.99	12.7	6.08	33.8%	0.08	0.14
		June 8-9, 2025	2.96	0.75	0.17	0.58	1.54	19.8	8.54	47.4%	0.58	0.19
	Average											0.12
Total												0.73

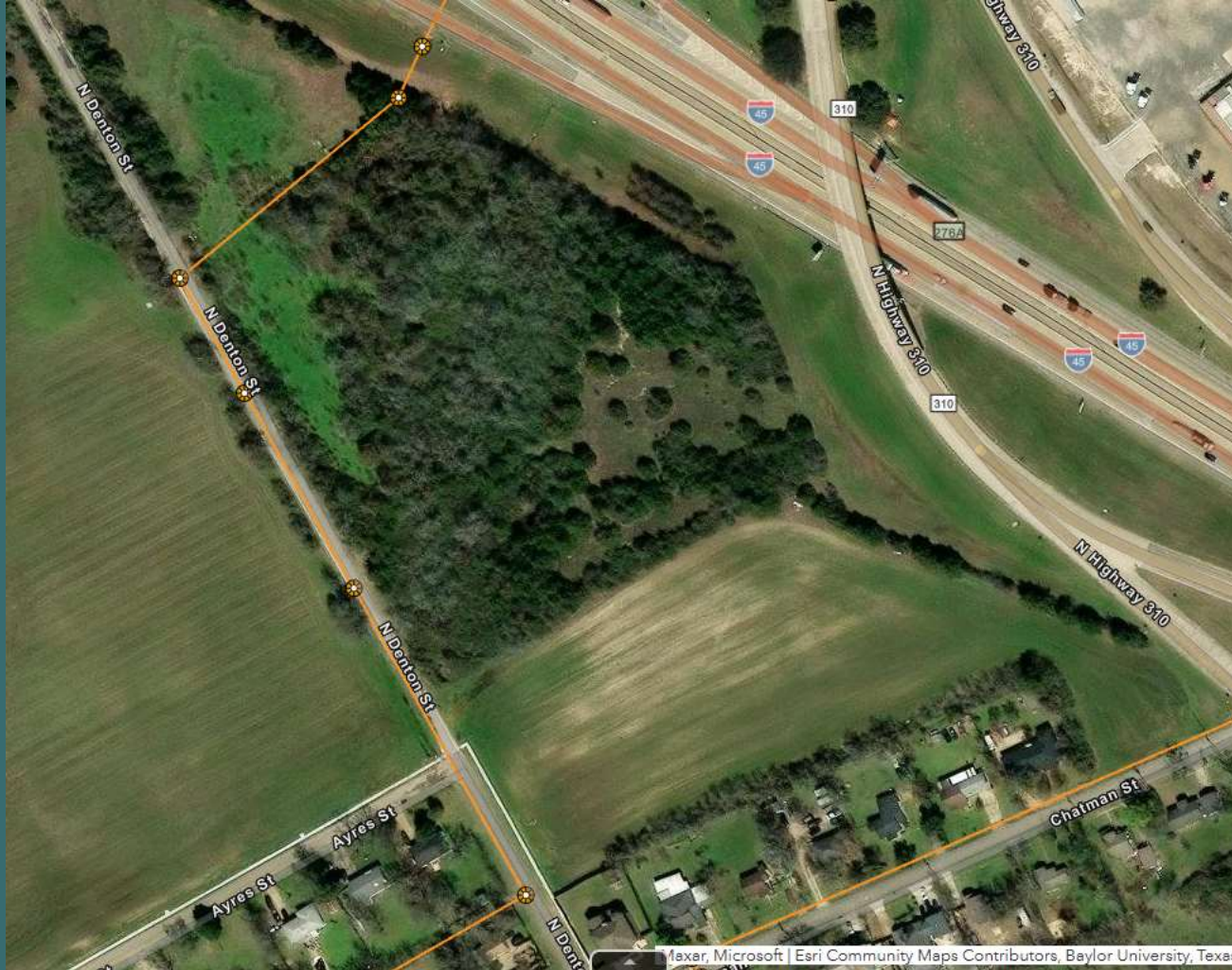


UPRR Sidewalk Improvement

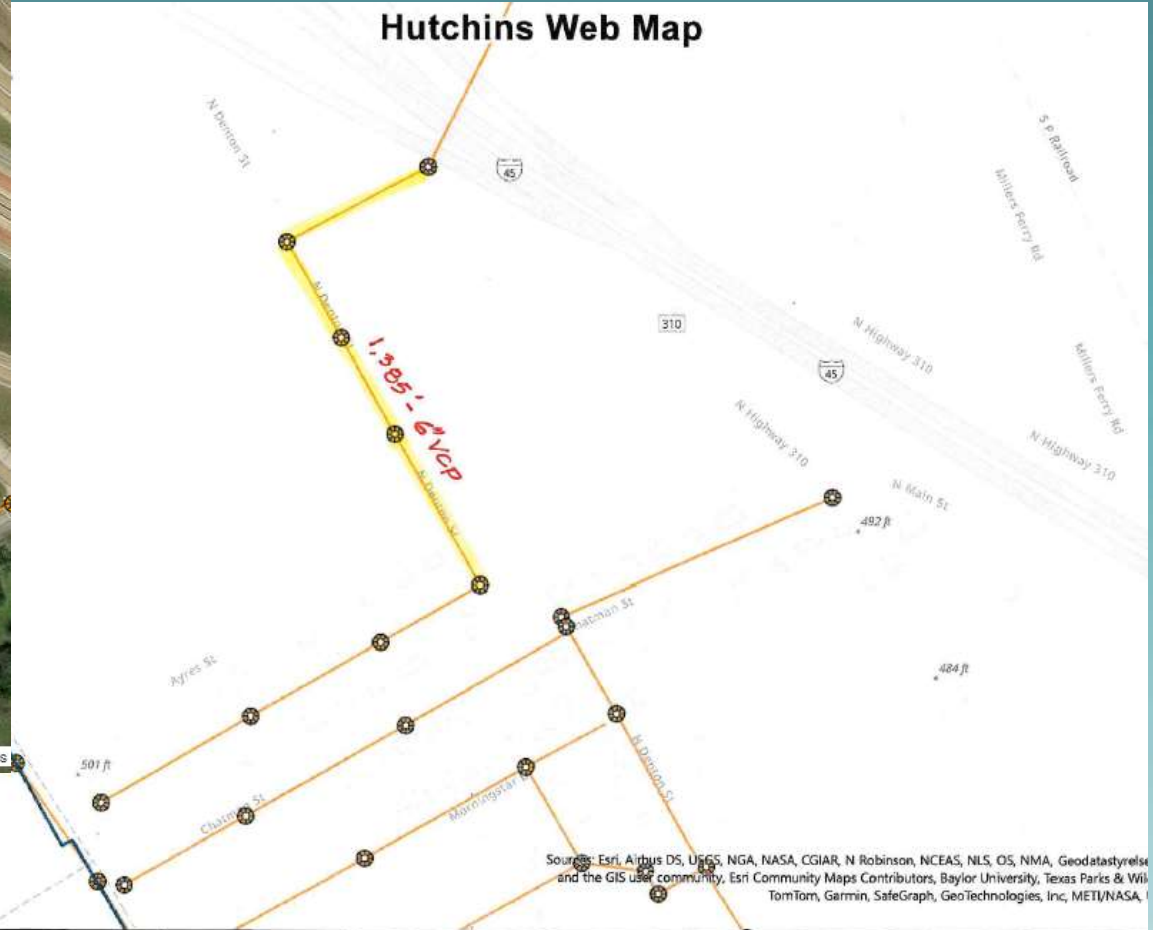
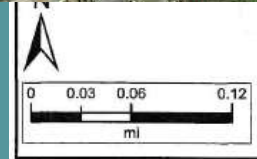


<p>These plans and related specifications were prepared for consideration of the specific project only. None of these documents is to be construed as a contract or a commitment of Birkhoff, Hendricks & Carter, L.L.P. If the drawing is awarded to a contractor, the contractor shall be responsible for obtaining the necessary permits and for obtaining the necessary approvals from the City and the Birkhoff, Hendricks & Carter, L.L.P. original documents, the original documents and plans in all cases.</p>	<p>BIRKHOFF, HENDRICKS & CARTER, L.L.P. PROFESSIONAL ENGINEERS TBPE Firm No. 526; TBPLS Firm No. 10031800 11919 Greenville Ave., Suite 600 Dallas, Texas 75243 (214) 361-7900</p>	<p>THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR POST-BID PURPOSES.</p> <p>JOHN W. BIRKHOFF TEXAS P.E. NO. 54131 DATE: May 2023</p>	<p>CITY OF HUTCHINS, TEXAS SIDEWALK IMPROVEMENTS AT UPRR AND PALESTINE STREET</p> <p>PROPOSED SIDEWALK PLAN</p>	<p>BHC PROJECT NO 2023-108</p> <p>May 2023</p>	<p>SHEET NO</p> <p>5</p>
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N. Denton Sewer Improvement



Maxar, Microsoft | Esri Community Maps Contributors, Baylor University, Texas



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastatysref
and the GIS user community, Esri Community Maps Contributors, Baylor University, Texas Parks & Wildlife
TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, I

Rawlins 21" Sewer Trunk Line



Dallas Lift Station Backup Generator

SD150 | 6.7L | 150 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

Standby Power Rating
150 kW, 188 kVA, 60 Hz

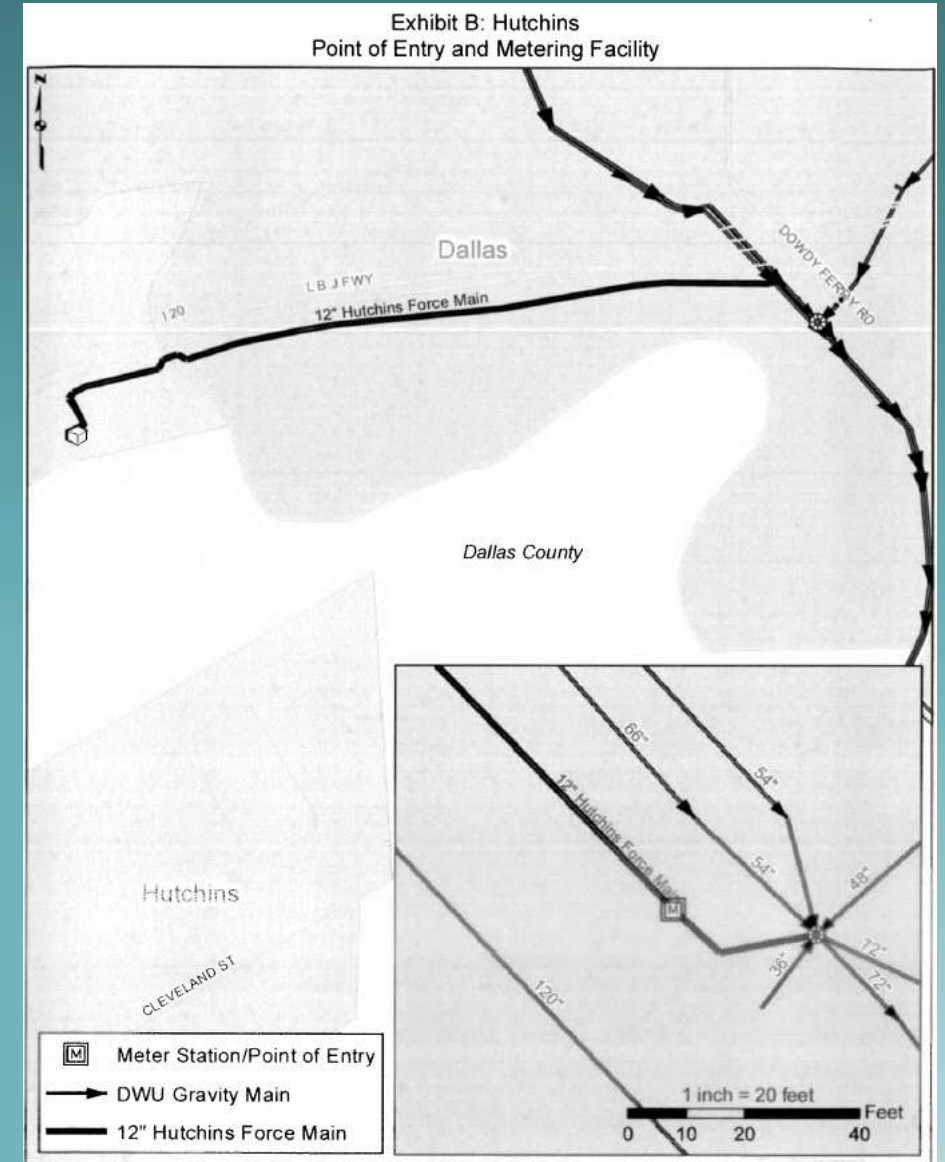
Prime Power Rating*
135 kW, 169 kVA, 60 Hz

ISO 9001:2008
USA ENGINEERED & BUILT
*EPA Certified Prime ratings are not available in the US or its Territories

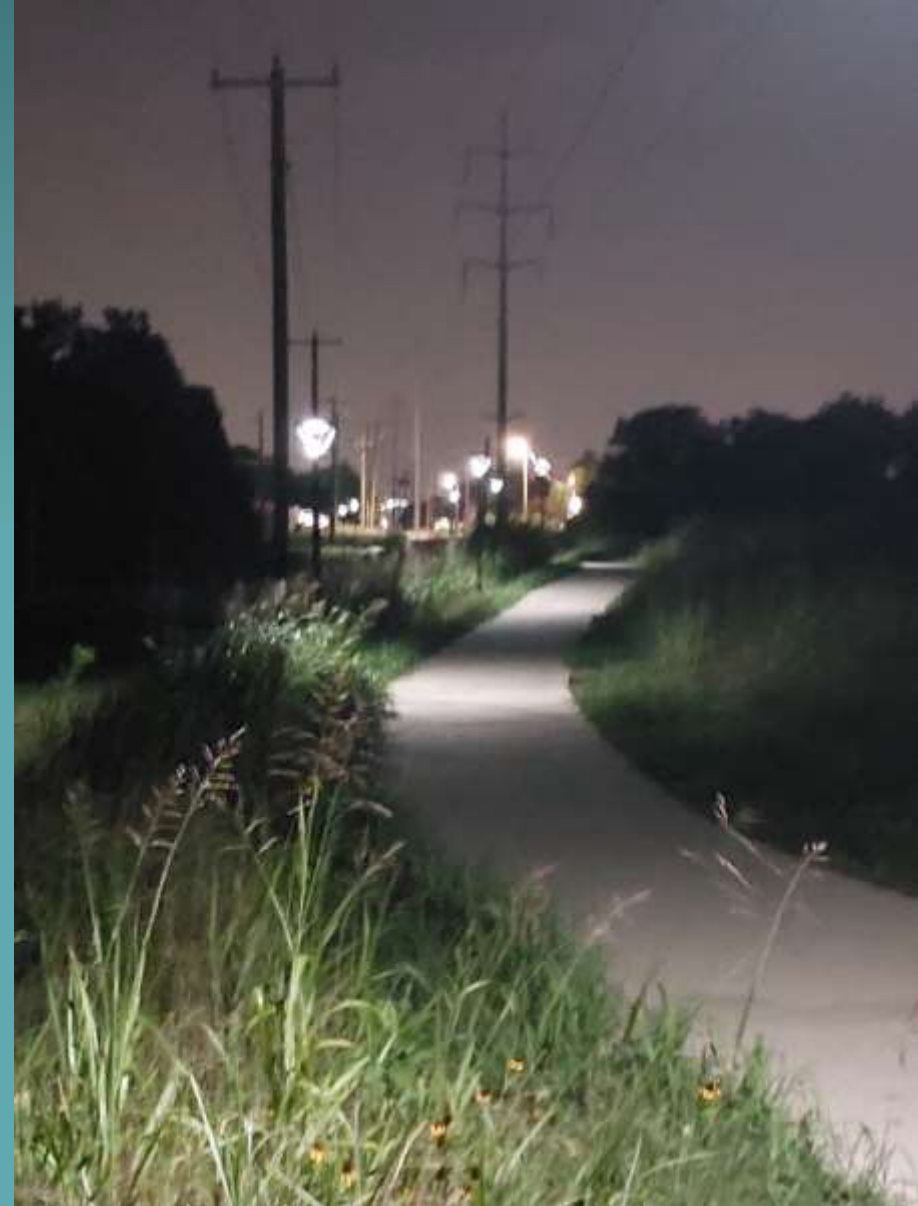
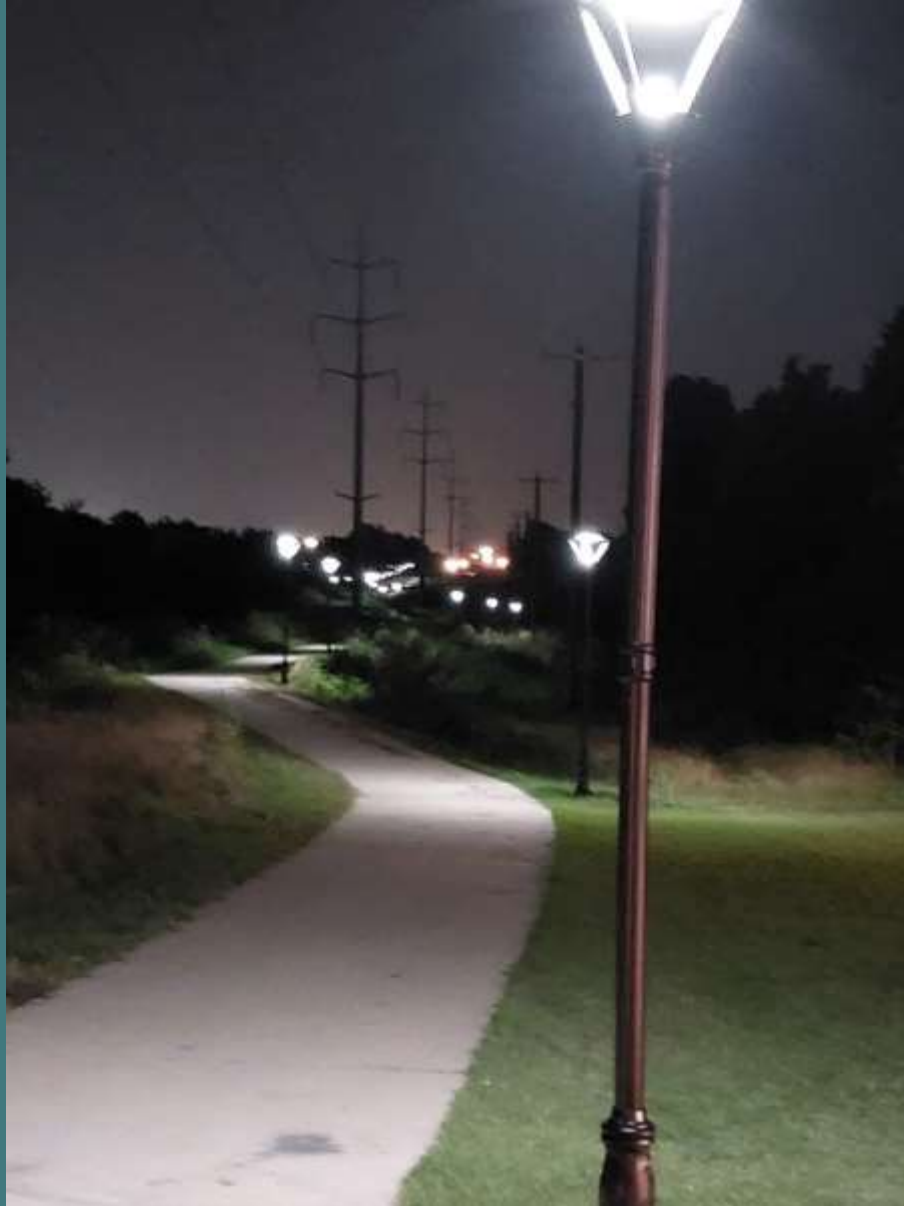


78.4%

Purchase Order: \$113,659.69



Quail Run Trail Lights



JJ Lemmon Road Widening



Street Improvement Projects



1. Assessment of Needs

2. Project Selection & Cost Estimation

3. Community Engagement

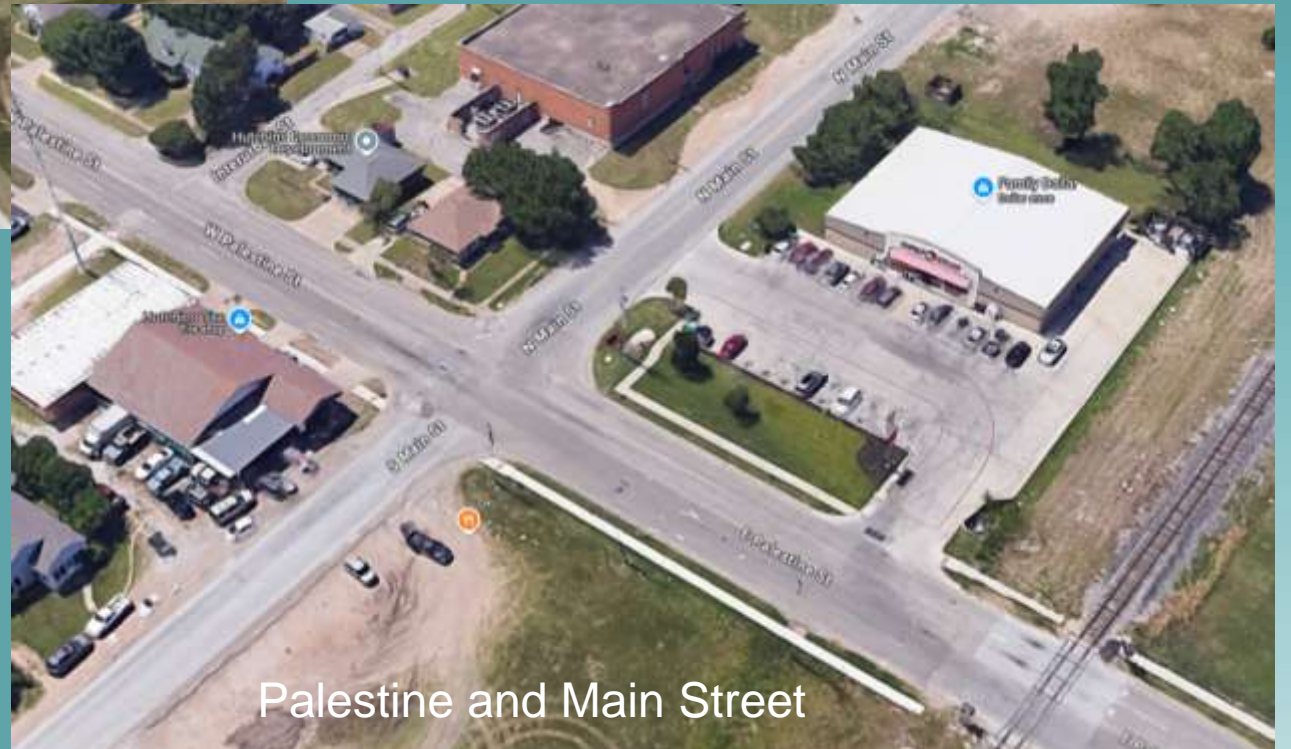
Park Security Camera Project



TSWA Projects

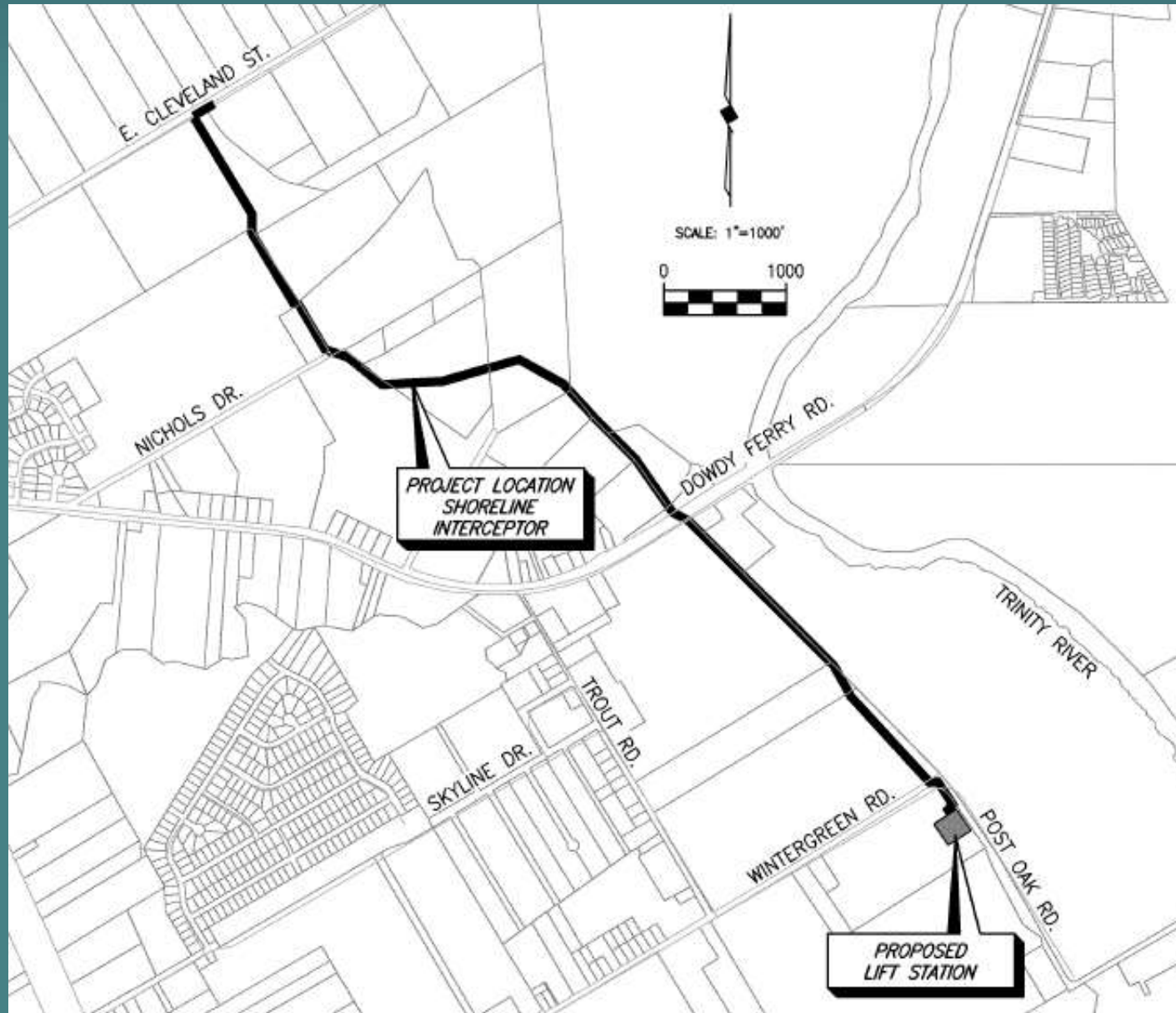


Wintergreen & Lancaster Hutchins Road



Palestine and Main Street

Southern WW Interceptor



Southern Force Main

