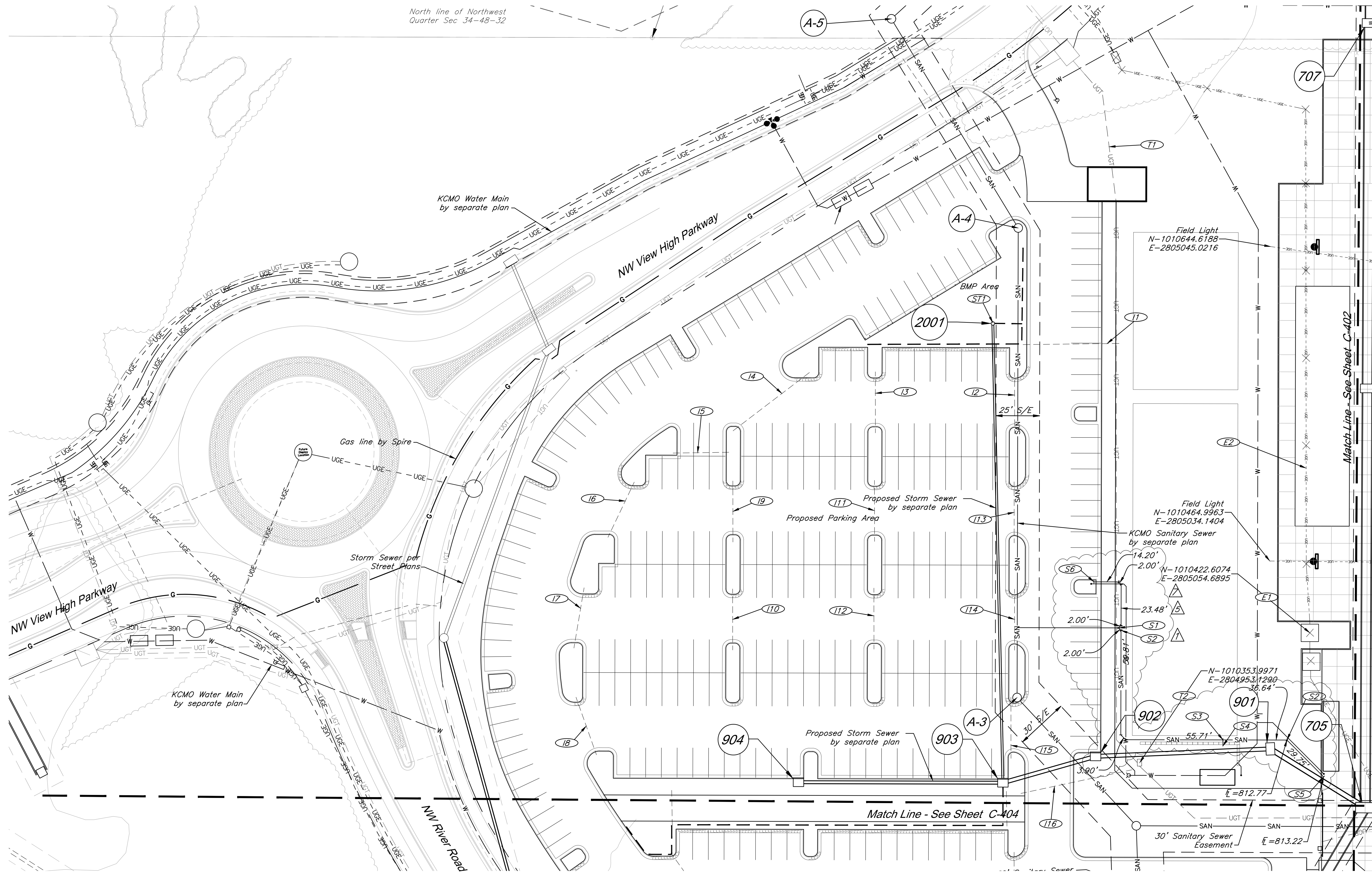


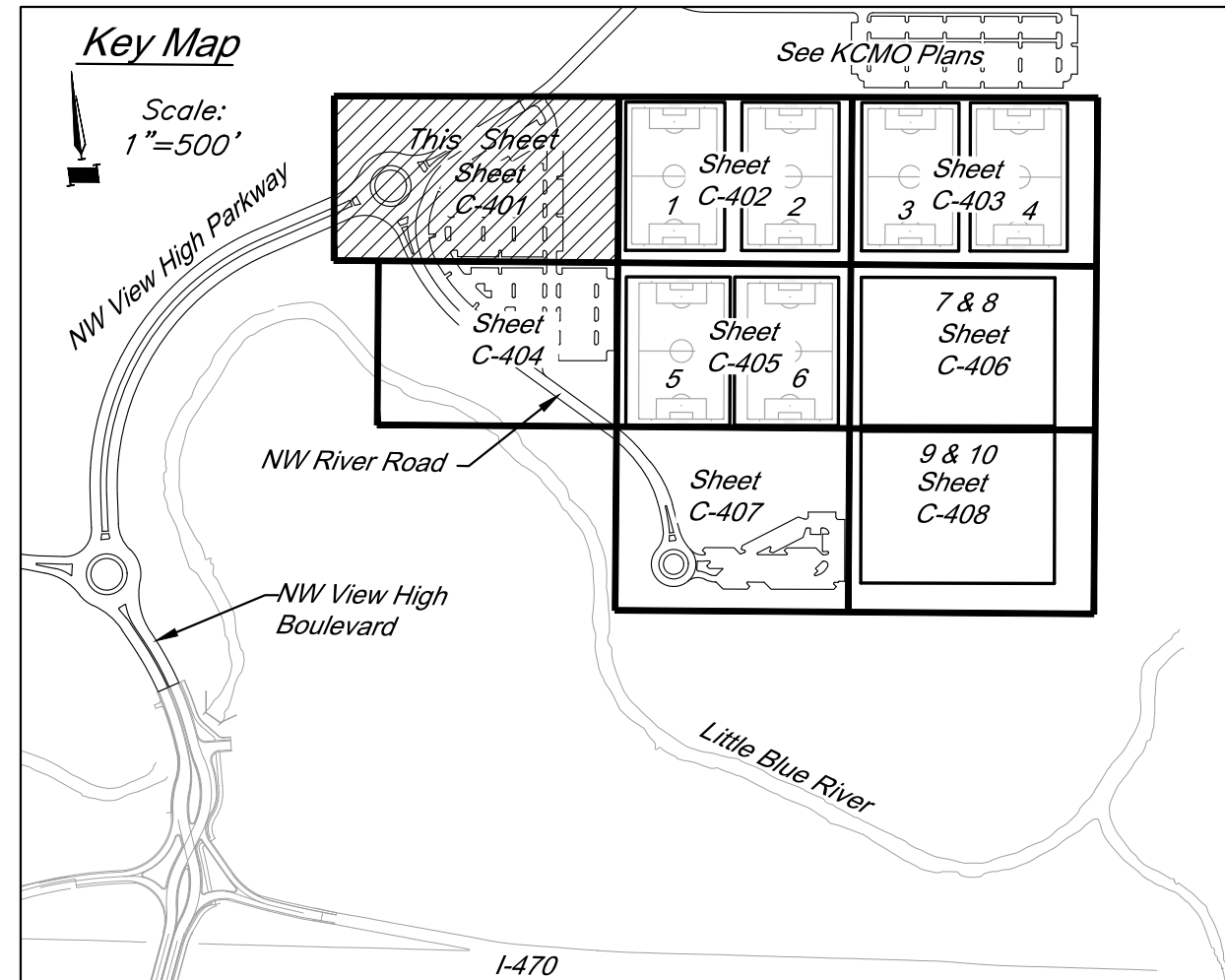
G:\12220\Civil_3D\Production Drawings\Construction Site Plans\12220C0401.dwg Layout: C-401 Utility Plan -- Tuesday, April 04, 2023, 8:57am -- Copyright 2023, George Butler Associates, Inc.



CAUTION!
Numerous Utilities on site. Contractor
to verify location and elevation of all
utilities prior to commencing
construction.

- Notes:**
1. See MEP Plans for Field Lighting.
 2. Electrical trench, conduit, and backfill per Every Standards (Typ. All). See Sheet C-503 for details.
 3. Provide 30"x48" pre-formed polymer concrete hand hole, provide open bottom with pea gravel. Provide ANSI tire rating for traffic requirements at location. Provide quazite PG3048-Series or equivalent.
 4. 2" Innerduct - Maxcell MXE52224 or equal
 5. See Sheets C-409-C-411 for Water Construction Notes
 6. See "Paragon Star Soccer Complex Field Storm Sewer" Plans for Storm Sewer Details.
 7. See "Sanitary Sewer Plans for Paragon Star Development" for sanitary sewer details.
 8. All irrigation sleeves to be 4" Schedule 40 PVC.

Note: See Sheets C-500-C-507 for construction / utility details.



Irrigation Sleeve Lengths

Sleeve #	Length (FT)
11	55
12	35
13	35
14	55
15	32
16	35
17	35
18	35
19	35
110	35
111	35
112	35
113	35
114	35
115	35
116	65

Electrical Construction Notes:

- (E1) Construct Three-Phase Transformer Pad per Every Detail 700-104.
- (E2) Install 404 LF 4" PVC Conduit

Telecom Construction Notes:

- (T1) Install 404 LF 5" HDPE Conduit with (4) 2" fabric innerduct - See note 4
- (T2) Pull Box - See note 3

Storm Sewer Construction Notes:

- (ST1) See Paragon Star Soccer Complex Field Storm Sewer Plans.

Sanitary Sewer Construction Notes:

- (S1) Existing E.O.S $\ell = 810.40$. See Sanitary Sewer Plans. Install (2) wye connections. Install 121.5 LF 6" dia. SDR26 PVC @ 1.5% to S3. Install 42 LF 6" dia. SDR26 PVC @ 1.5% to S6.
- (S2) 45° Bend
- (S3) Install tee, $\ell = 812.22$. Install 3.5 LF 4" dia. SDR26 PVC @ 2% to S4. Install 66 LF 4" dia. SDR25 PVC @ 1.5% to S5.
- (S4) Install mobile sanitary connection per utility details.
- (S5) Install mobile sanitary connection per utility details.
- (S6) Install mobile sanitary connection per utility details.

Utility Legend

	Existing Cable TV Pedestal		Existing Fiber Optic Line
	Existing Power Pole		Existing Fire Protection Line
	Existing Guy Anchor		Existing Gas Line
	Existing Electrical Manhole		Existing Over Head Electric
	Existing Electrical Transformer		Existing Over Head Telephone
	Existing Gas Meter		Existing Over Head Cable TV
	Existing Curb Inlet		Property Line
	Existing Sanitary Sewer Manhole		Right-of-Way Line
	Existing Sanitary Cleanout		Existing Sanitary Sewer Line
	Existing Light Pole		Existing Underground Electric
	Existing Boring Hole		Existing Underground Telephone
	Existing Telephone Pedestal		Existing Underground Cable TV
	Existing Traffic Signal Post		Existing Water Line
	Existing Traffic Manhole		Proposed Storm Sewer
	Existing Fire Hydrant		Existing Storm Sewer
			Underdrain
			Match Line

30' 0' 30' 60'
SCALE: 1" = 30 FEET

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PROJECT:

Paragon Star Soccer Complex

Soccer Complex & Associated Improvements
1401 NW View High Dr, Lee's Summit, MO 64081
Final Development Plan - RESUBMITTAL

ISSUE:

	6/13/22 Soccer Complex Revisions
	10/21/22 Revision 5
	3/17/23 Revision 7

PROFESSIONAL SEAL:



DRAWING TITLE:

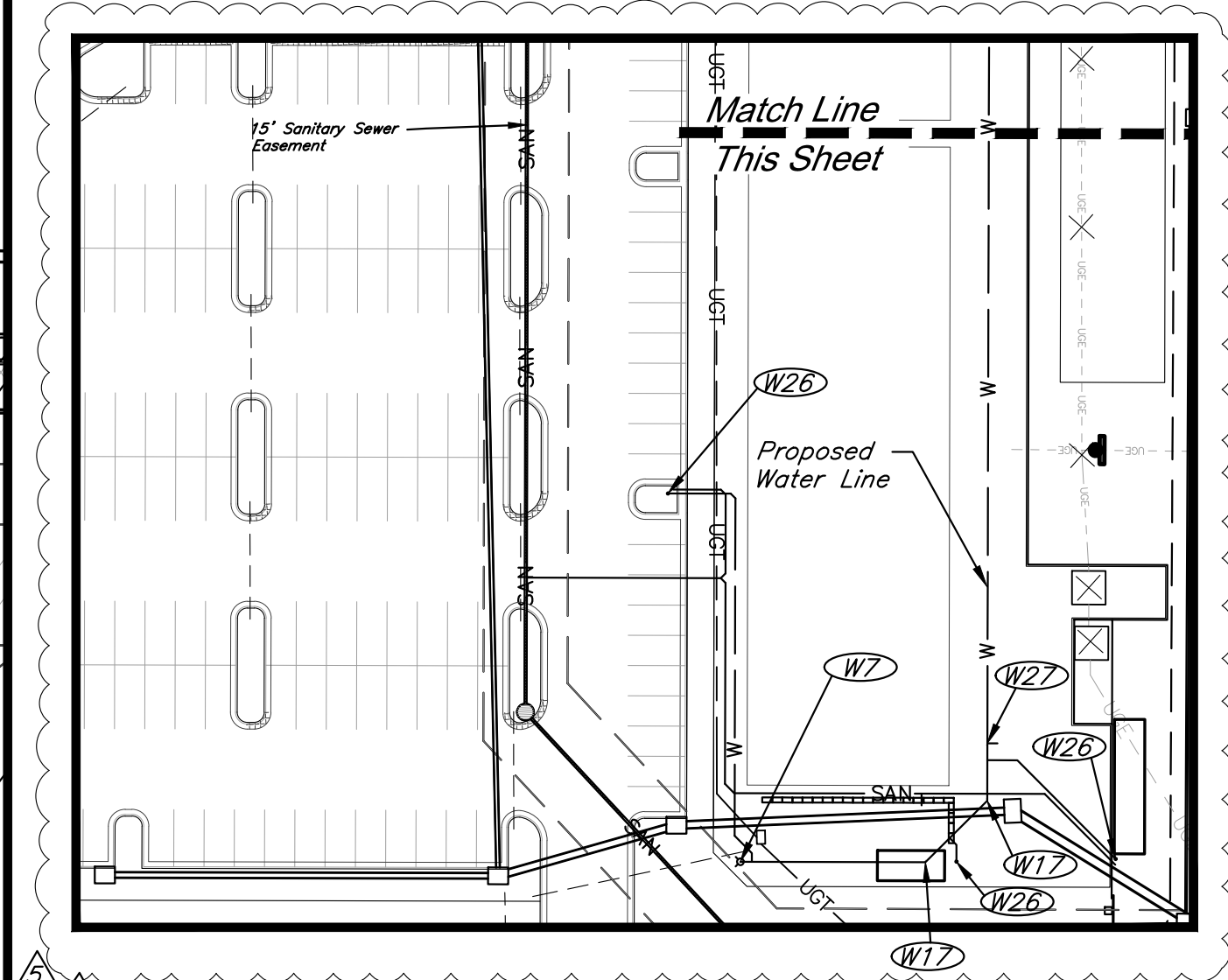
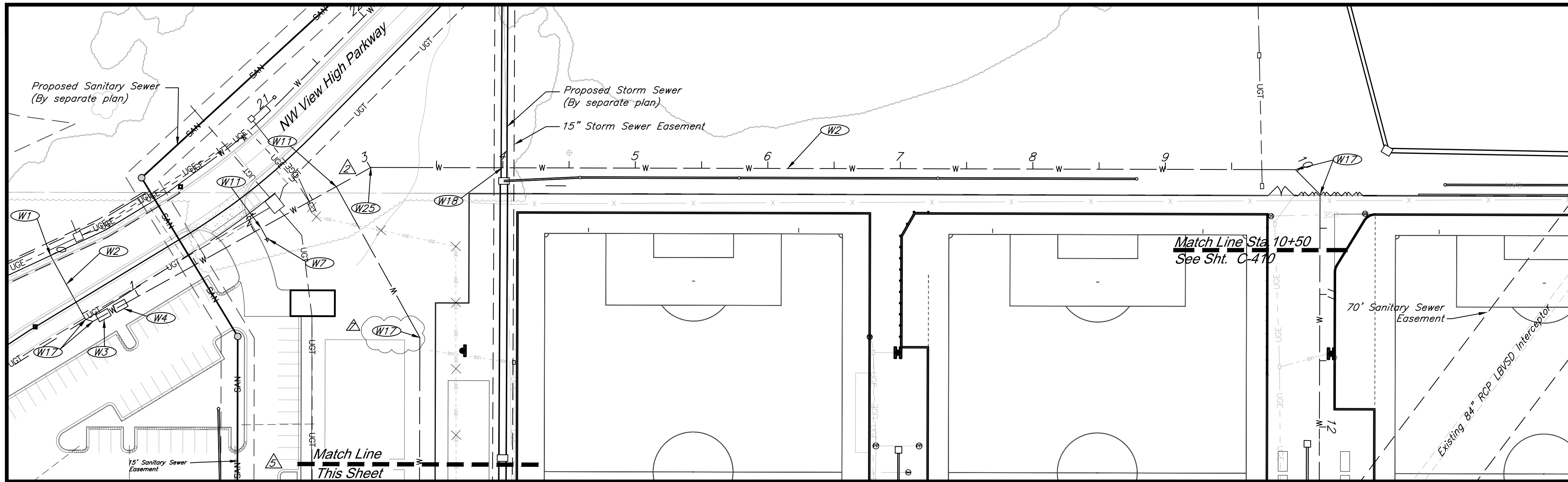
Utility Plan

JOB NO: 1197 SCALE:
DATE: 8.2.2021 DRAWN BY: JMS/KJN

SHEET NO:

C-401

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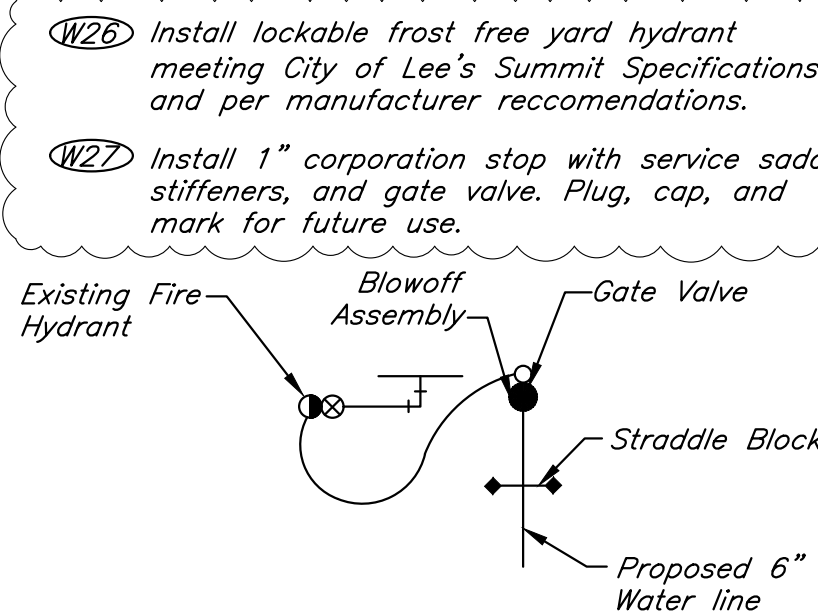


Utility Legend

	Cable TV Pedestal		Water Meter
	Power Pole		Fiber Optic Line
	Guy Anchor		Fire Protection Line
	Electrical Manhole		Gas Line
	Electrical Transformer		Over Head Electric
	Gas Meter		Over Head Telephone
	Curb Inlet		Over Head Cable TV
	Sanitary Sewer Manhole		Property Line
	Sanitary Cleanout		Right-of-Way Line
	Light Pole		Existing Sanitary Sewer Line
	Boring Hole		Underground Electric
	Sign		Underground Telephone
	Telephone Pedestal		Underground Cable TV
	Traffic Signal Post		Water Line
	Traffic Manhole		Proposed Storm Sewer
	Fire Hydrant		Future Storm Sewer
			Proposed Sanitary Sewer Line

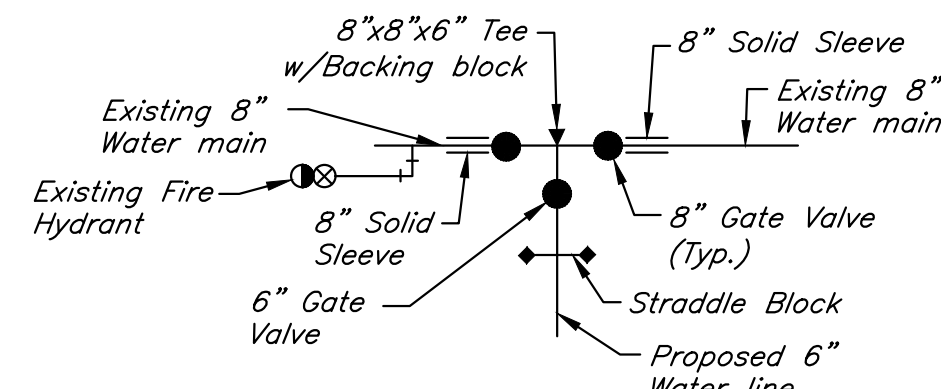
Water Construction Notes:

- (W1) Remove plug and Connect 6" Class 52 DIP Water Line via Existing 8"x8"x6" Tee. N-1010732.6044 E-2804763.8458
- (W2) Furnish and Install 6" Class 52 DIP W/ Polywrap & Zinc Coating Water Line at 42" minimum cover.
- (W3) Install 6" Full Fire Flow Meter in concrete vault.
- (W4) Install Backflow Preventer in concrete vault. Backflow preventer to be sized by MEP.
- (W7) Install 6" Fire Hydrant Assembly. See Detail.
- (W11) Install 6"x6"x6" Tee DIP.
- (W17) Install 45° Bend W/ Thrust Block
- (W18) Install 20 LF. Conc. Encasement on Waterline, Centered on Crossing.
- (W24) Install 90° Bend W/ Thrust Block.
- (W25) Install 22.5° Bend W/ Thrust Block.



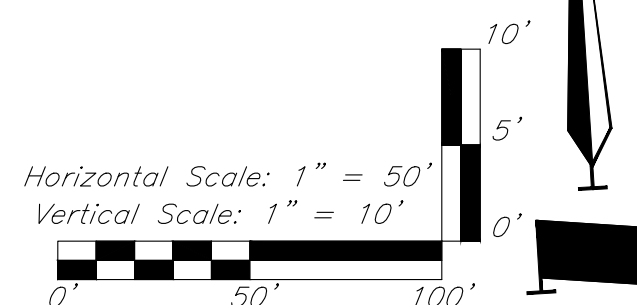
Temporary Water Line Connection Detail

Restrain Throughout
Not To Scale



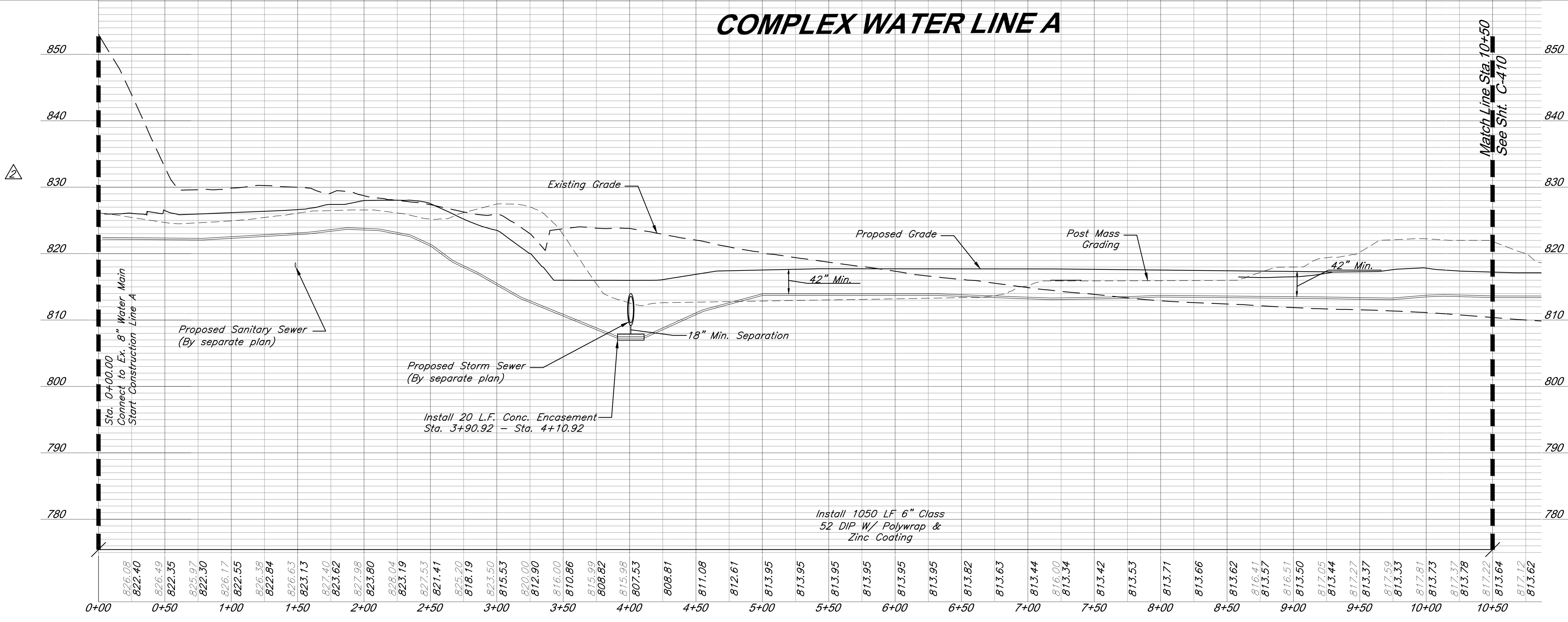
Permanent Water Line Connection Detail

Restrain Throughout
Not To Scale



CAUTION!
Numerous Utilities on site. Contractor to verify location and elevation of all utilities prior to commencing construction.

Note: See Sheets C-503-C-504 for utility details.



RELEASED FOR CONSTRUCTION
Development Services Department
Lee's Summit, Missouri
04/07/2023

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Missouri Certificate of Authority # F00453304

PROJECT:

Paragon Star Soccer Complex

Soccer Complex & Associated Improvements

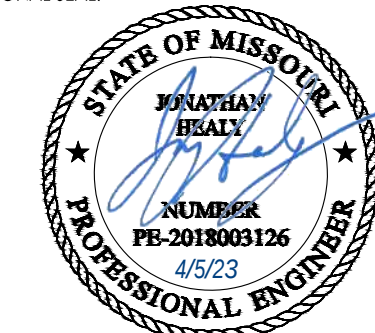
1401 NW View High Dr, Lee's Summit, MO 64081

Final Development Plan - RESUBMITTAL

ISSUE:

	7/25/22	Water Line Location
	10/21/22	Revision 4
	3/17/23	Revision 7

PROFESSIONAL SEAL:



DRAWING TITLE:

Utility Plan Water Line A

JOB NO: 1197 SCALE:
DATE: 8.2.2021 DRAWN BY: JMS/KJN

SHEET NO:

C-409

