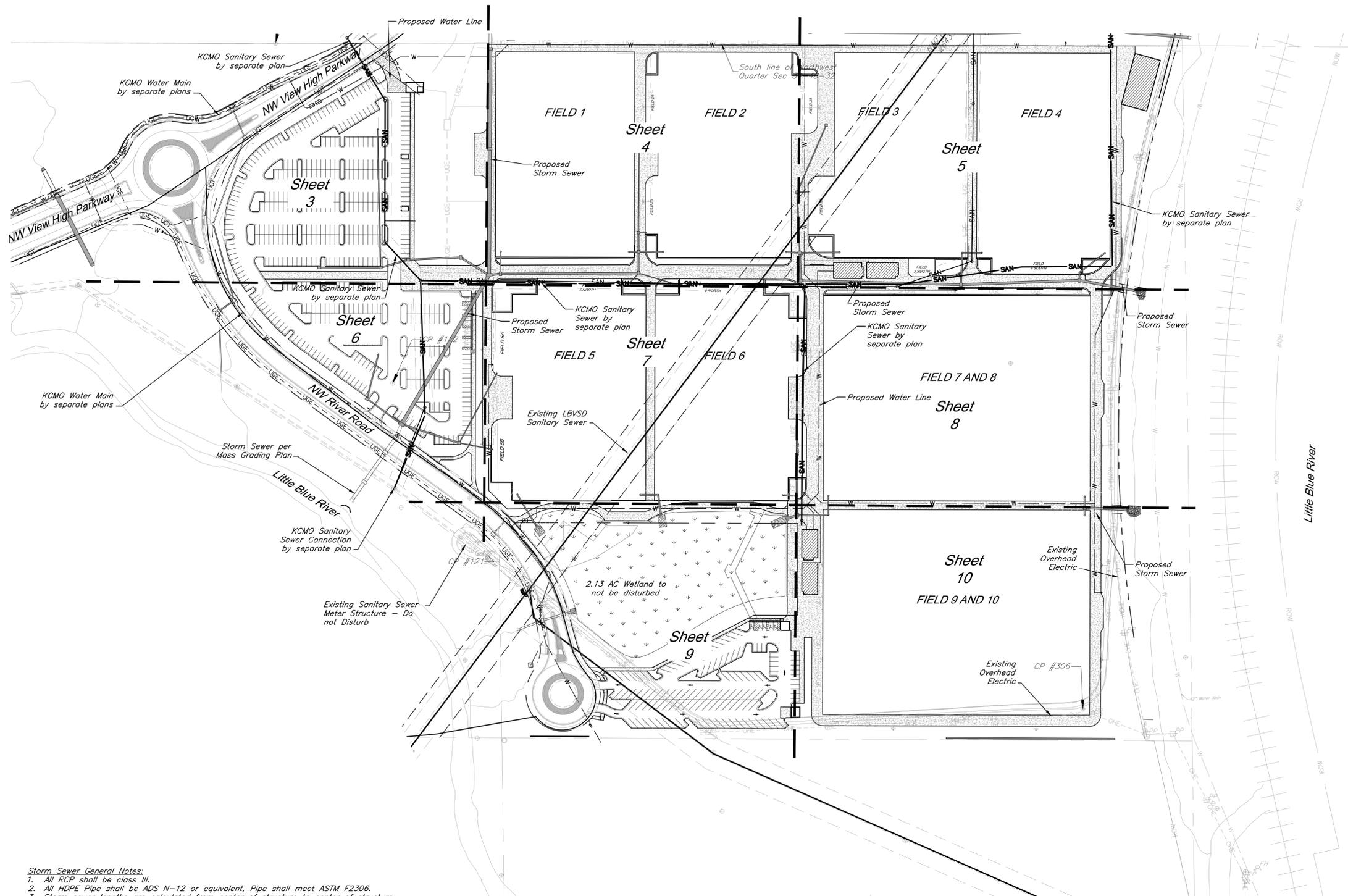


G:\12720\01\production drawings\field storm plans\12720000001.dwg Layout: 2 Utility Plan -- Tuesday April 28, 2020, 1:40pm -- Copyright 2020, George Butler Associates, Inc. Architect 00212, Professional Engineer 000133, Professional Land Surveyor 000039
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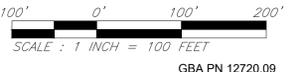
CAUTION!
 Numerous Utilities on site. Contractor to verify location and elevation of all utilities prior to commencing construction.

Storm Sewer General Notes:

1. All RCP shall be class III.
2. All HDPE Pipe shall be ADS N-12 or equivalent, Pipe shall meet ASTM F2306.
3. Storm sewer lengths are calculated from center of structure to center of structure.
4. All pipe connections to Inlets shall occur at center of structure wall unless specifically noted otherwise.
5. All work shall conform to City of Lee's Summit, MO standards.
6. Precast structures shall be constructed with KCMMB 4,000 psi concrete. Shop drawings shall be submitted to the Engineer for review prior to casting.
7. All in grade inlets shall match adjacent slope.
8. Drainage across the project site during construction shall be the Contractor's responsibility. Surface drainage shall be controlled to reduce or prevent the flow of surface water onto adjacent grounds. Contractor shall control downstream erosion and silting during construction. Flexibility is given to the Contractor to make minor grading revisions along roads or between building pads to improve drainage during construction, with prior approval of the engineer.
9. See Sheets 21-26 for construction details.

Utility Legend

<ul style="list-style-type: none"> — CATV Ped. Cable TV Pedestal — P.P. Power Pole — Guy Anchor — EMH Electrical Manhole — ET Electrical Transformer — G.M. Gas Meter — Curb Inlet — SSMH Sanitary Sewer Manhole — S.S. Sanitary Cleanout — L.P. Light Pole — B.H. Boring Hole — Sign — Tel. Ped. Telephone Pedestal — T.S. Traffic Signal Post — FMH Traffic Manhole — F.H. Fire Hydrant 	<ul style="list-style-type: none"> — W.M. Water Meter — FO Fiber Optic Line — FP Fire Protection Line — G Gas Line — OHE Over Head Electric — OHT Over Head Telephone — OHTV Over Head Cable TV — P Property Line — ROW Right-of-Way Line — SAN Existing Sanitary Sewer Line — UGE Existing Underground Electric — UGT Existing Underground Telephone — UGTV Existing Underground Cable TV — W Existing Water Line — Proposed Storm Sewer — Existing Storm Sewer — Proposed Sanitary Sewer Line
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 Kansas City, MO 64108
 816.510.0438
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PROJECT:

Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

ISSUE:

10/17/19	City Comments
3/13/20	City Comments
4/28/20	City Comments



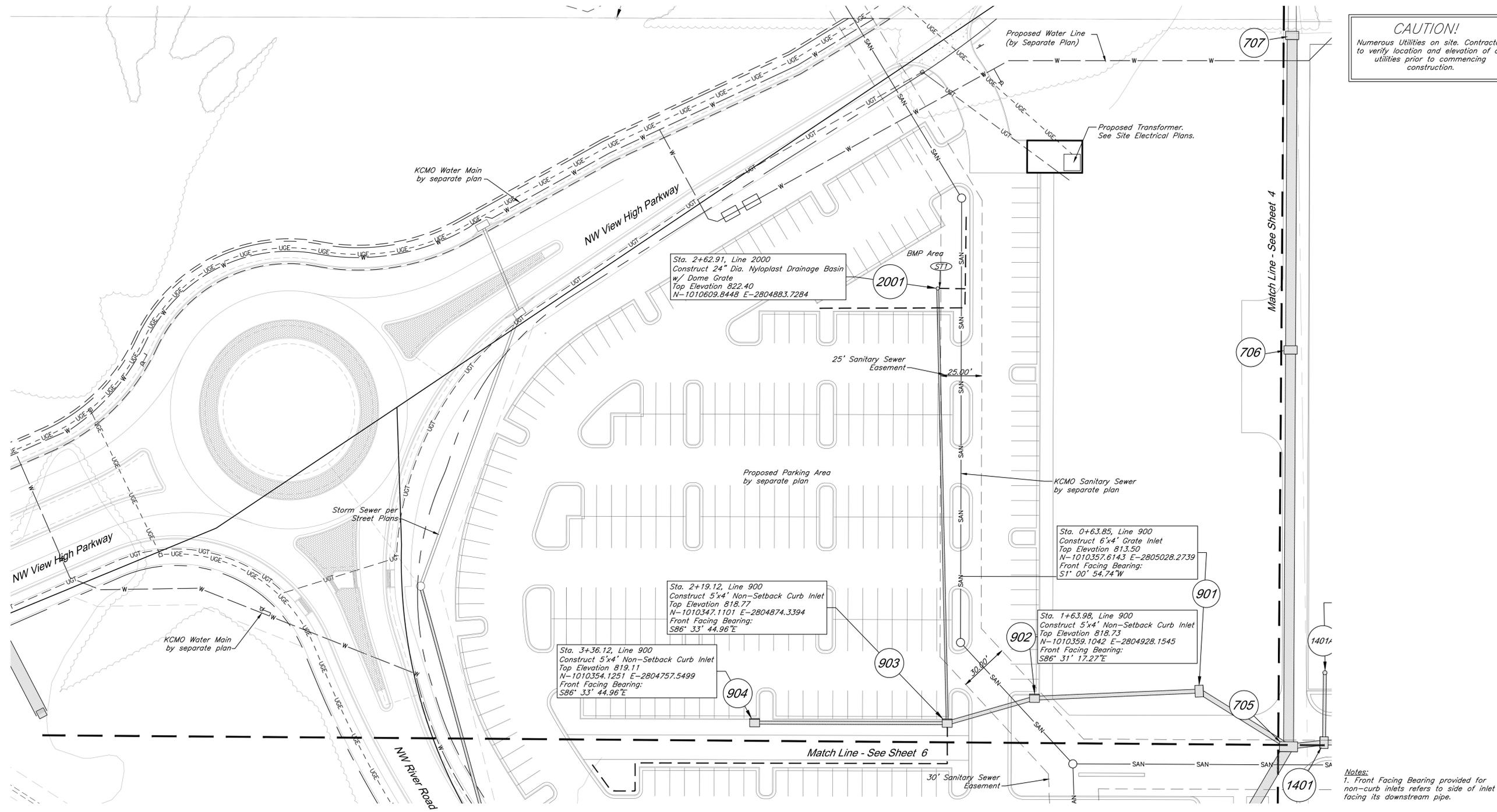
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Utility Plan

JOB NO: 1197 SCALE:
 DATE: 04.28.2020 DRAWN BY: GBA
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2

GBA PN 12720.09

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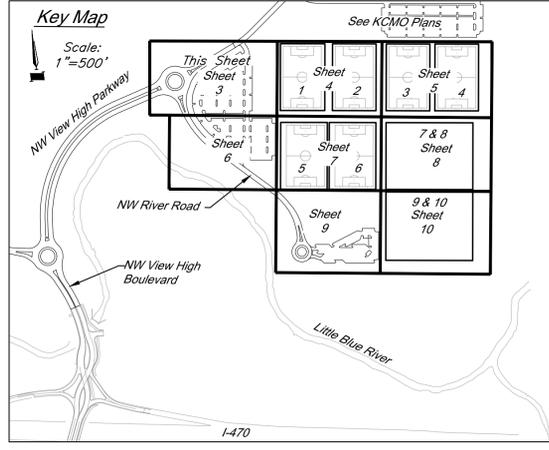
PROJECT:
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 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

ISSUE:
 10/17/19 City Comments
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JOB NO: 1197 SCALE:
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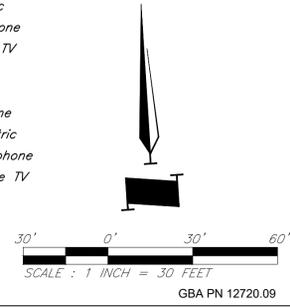


Storm Sewer Construction Notes:
 (ST) Connect Perforated 4" HDPE Underdrain to structure 2001, E=819.30
 Install 150 LF perforated 4" HDPE pipe @ min. 1% as shown.
 See pipe underdrain details, sheet 22.

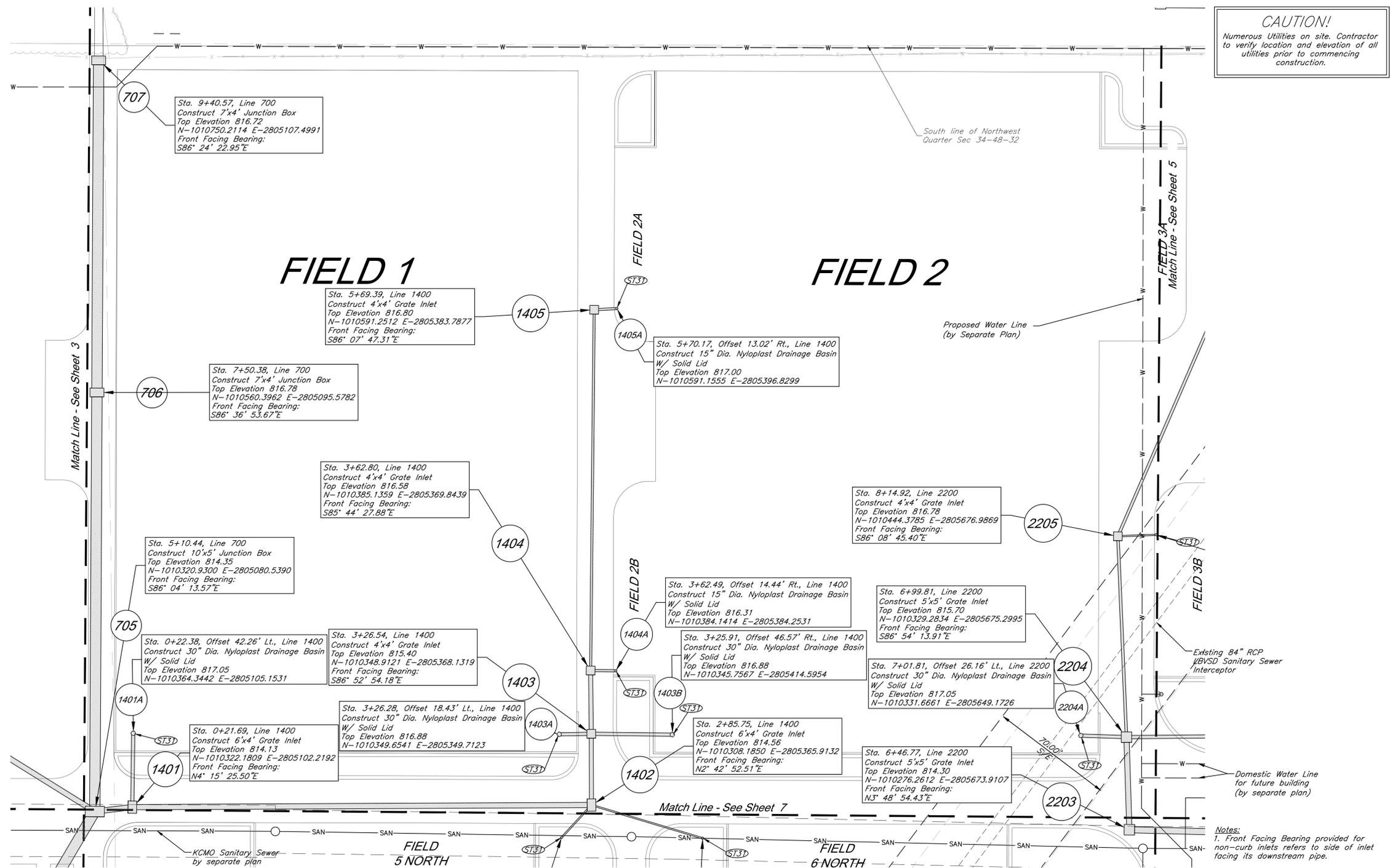
Utility Legend

<ul style="list-style-type: none"> ⊠ CATV Ped. Existing Cable TV Pedestal ⊠ P.P. Existing Power Pole ⊠ Existing Guy Anchor ⊠ EMH Existing Electrical Manhole ⊠ Existing Electrical Transformer ⊠ G.M. Existing Gas Meter ⊠ Existing Curb Inlet ⊠ SSMH Existing Sanitary Sewer Manhole ⊠ O. Existing Sanitary Cleanout ⊠ L.P. Existing Light Pole ⊠ Existing Boring Hole ⊠ Existing Sign ⊠ Tel. Ped. Existing Telephone Pedestal ⊠ T.S. Existing Traffic Signal Post ⊠ FMH Existing Traffic Manhole ⊠ F.H. Existing Fire Hydrant 	<ul style="list-style-type: none"> — W.M. Existing Water Meter — FO Existing Fiber Optic Line — FP Existing Fire Protection Line — G Existing Gas Line — OHE Existing Over Head Electric — OHT Existing Over Head Telephone — OHTV Existing Over Head Cable TV — P Property Line — ROW Right-of-Way Line — SAN Existing Sanitary Sewer Line — UGE Existing Underground Electric — UGT Existing Underground Telephone — UGTV Existing Underground Cable TV — W Existing Water Line — Proposed Storm Sewer — Existing Storm Sewer — Underdrain
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Notes:
 1. Front Facing Bearing provided for non-curb inlets refers to side of inlet facing its downstream pipe.



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 Paragon Star Soccer Complex
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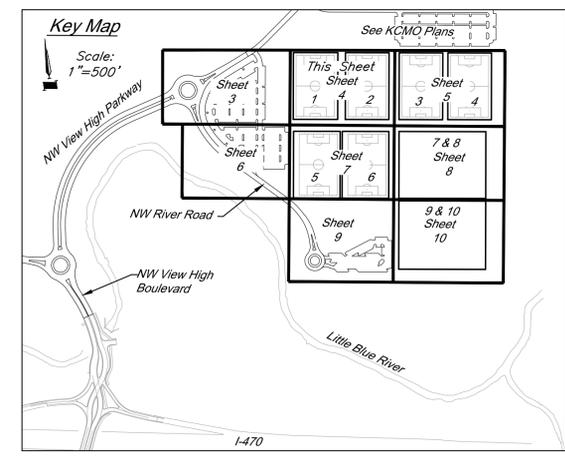
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DATE: 04.28.2020 **DRAWN BY:** GBA

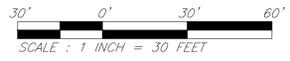
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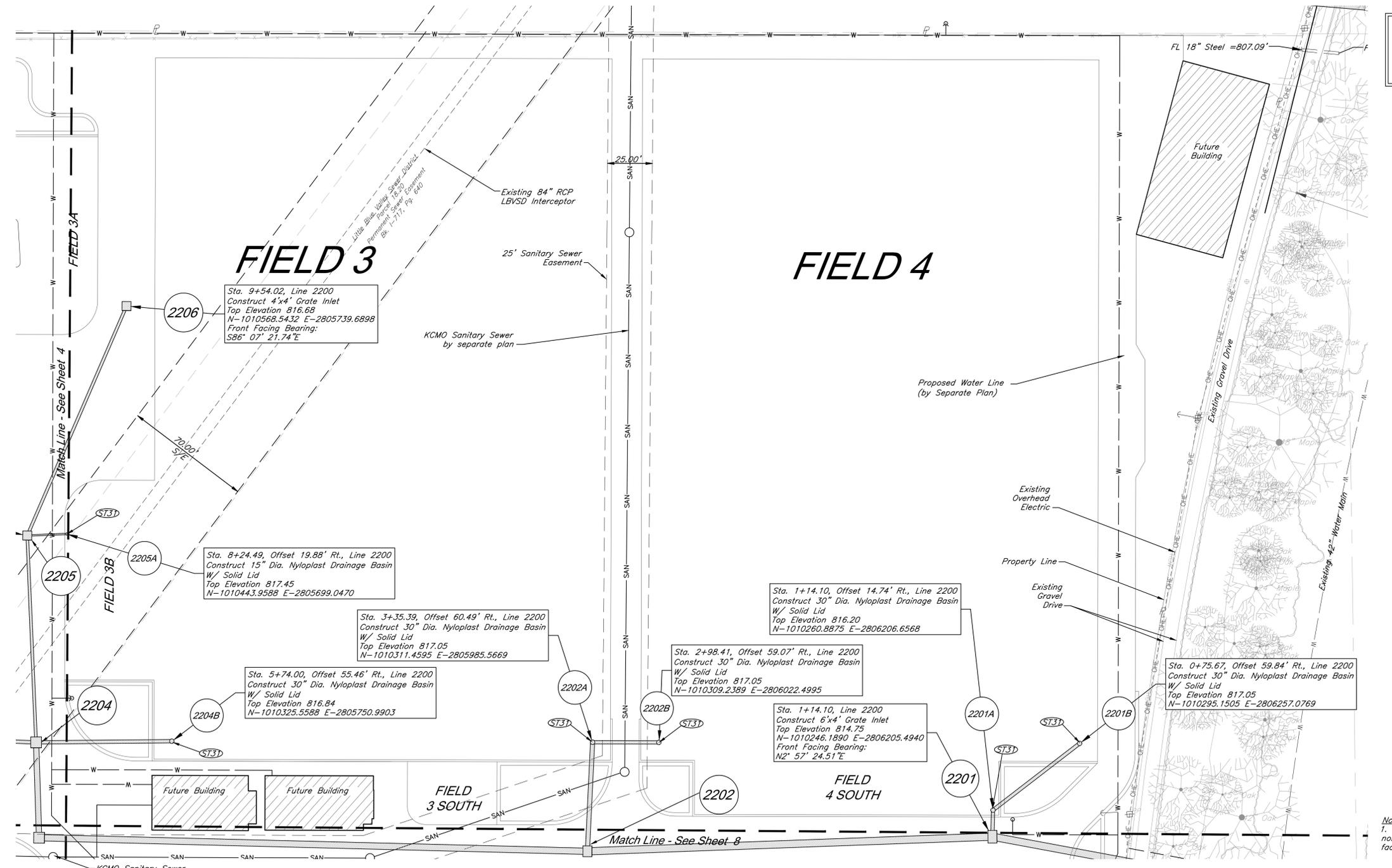
Storm Sewer Construction Notes:
 (ST3) See Soccer Complex Plans for field drainage continuation

Utility Legend

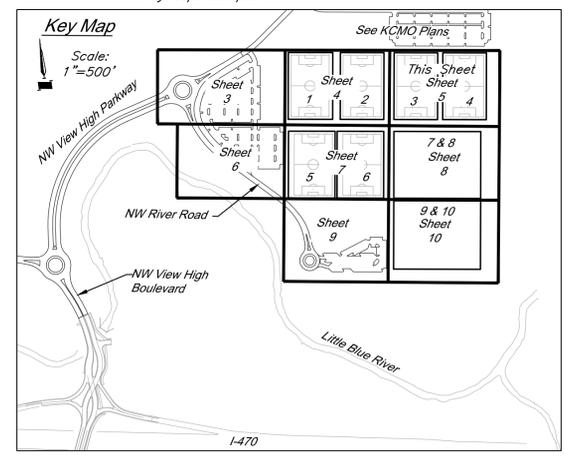
<ul style="list-style-type: none"> ⊠ CTV Ped. Existing Cable TV Pedestal ⊠ P.P. Existing Power Pole ⊠ Existing Guy Anchor ⊠ EMH Existing Electrical Manhole ⊠ E.M. Existing Electrical Transformer ⊠ G.M. Existing Gas Meter ⊠ Existing Curb Inlet ⊠ SSMH Existing Sanitary Sewer Manhole ⊠ Existing Sanitary Cleanout ⊠ L.P. Existing Light Pole ⊠ Existing Boring Hole ⊠ Existing Sign ⊠ Tel. Ped. Existing Telephone Pedestal ⊠ T.S. Existing Traffic Signal Post ⊠ TRM Existing Traffic Manhole ⊠ F.H. Existing Fire Hydrant 	<ul style="list-style-type: none"> — FO — Existing Water Meter — FP — Existing Fiber Optic Line — G — Existing Fire Protection Line — G — Existing Gas Line — OHE — Existing Over Head Electric — OHT — Existing Over Head Telephone — OHTV — Existing Over Head Cable TV — P — Property Line — ROW — Right-of-Way Line — SAN — Existing Sanitary Sewer Line — UGE — Existing Underground Electric — UGT — Existing Underground Telephone — UGTV — Existing Underground Cable TV — W — Existing Water Line — Proposed Storm Sewer — Existing Storm Sewer — Underdrain
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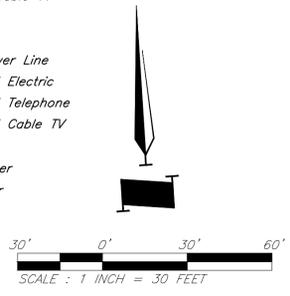


Storm Sewer Construction Notes:
 (ST31) See Soccer Complex Plans for field drainage continuation

Utility Legend

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Notes:
 1. Front Facing Bearing provided for non-curb inlets refers to side of inlet facing its downstream pipe.



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PROJECT:
 Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

ISSUE:

10/17/19	City Comments
3/13/20	City Comments
4/28/20	City Comments

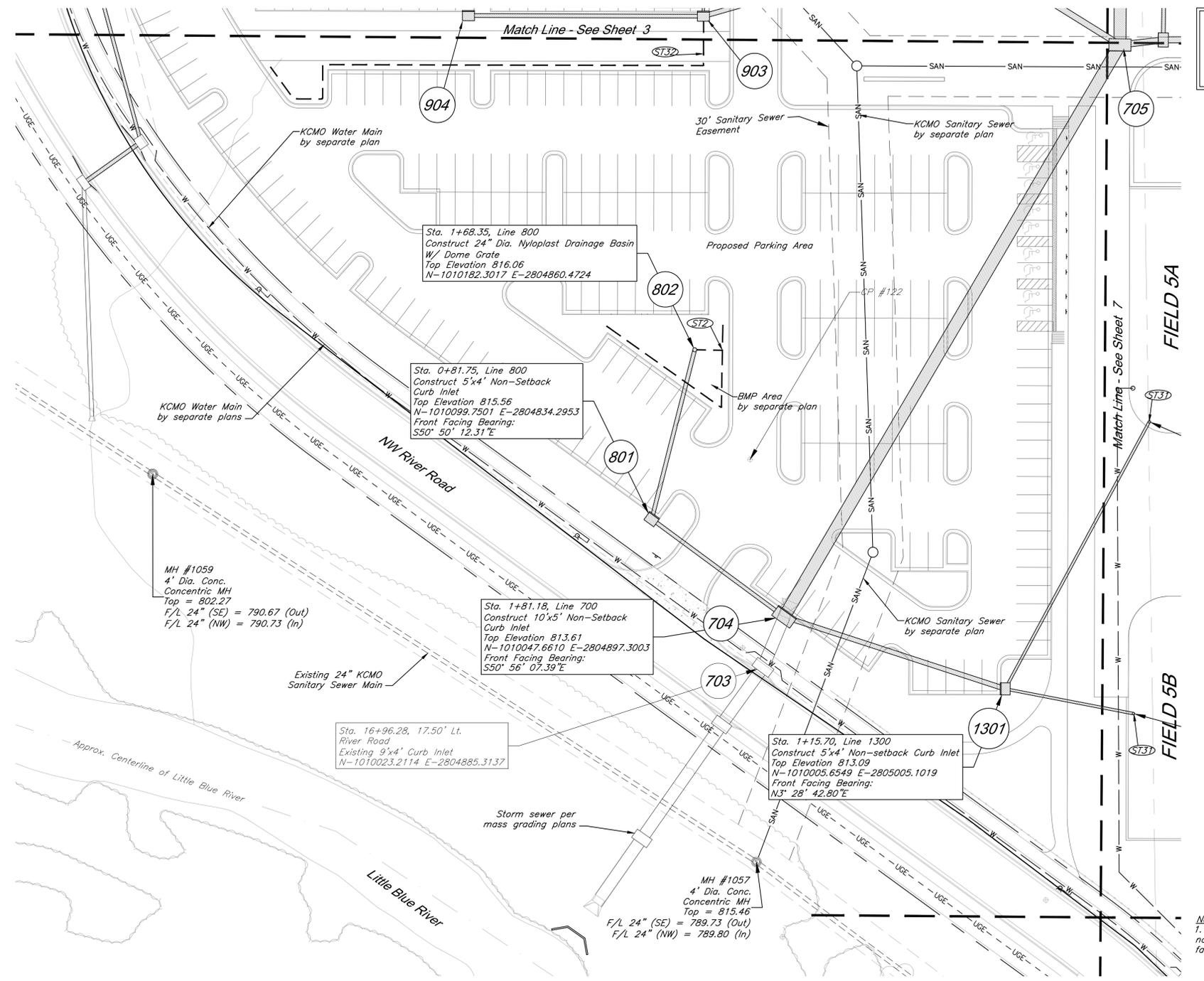


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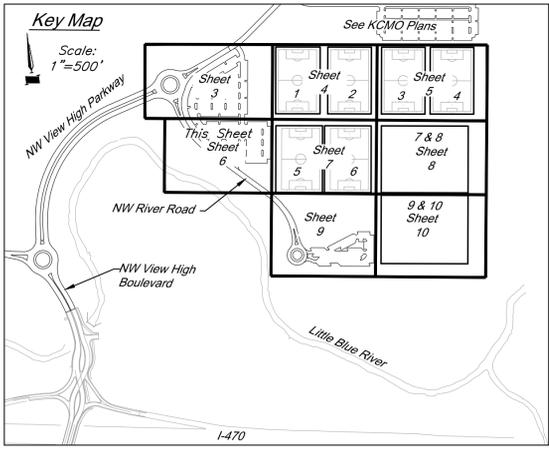
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Storm Sewer Construction Notes:

ST2 Connect Perforated 4" HDPE Underdrain to structure 802, E=812.00. Install 120 LF perforated 4" HDPE pipe @ min. 1% as shown. See pipe underdrain details, sheet 22.

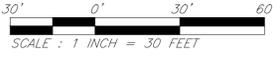
ST31 See Soccer Complex Plans for field drainage continuation

ST32 Connect Perforated 4" HDPE Underdrain to structure 903, E=812.50. Install 262 LF perforated 4" HDPE pipe @ min. 1% as shown. See pipe underdrain details, sheet 22.

Utility Legend

⊠ CATV Ped	Existing Cable TV Pedestal	— FO —	Existing Fiber Optic Line
⊠ P.P.	Existing Power Pole	— FP —	Existing Fire Protection Line
⊠ G	Existing Guy Anchor	— G —	Existing Gas Line
⊠ EMH	Existing Electrical Manhole	--- OHE ---	Existing Over Head Electric
⊠ E.M.T.	Existing Electrical Transformer	--- OHT ---	Existing Over Head Telephone
⊠ C.M.	Existing Gas Meter	--- OHTV ---	Existing Over Head Cable TV
⊠	Existing Curb Inlet	— P —	Property Line
⊠ SSMH	Existing Sanitary Sewer Manhole	— ROW —	Right-of-Way Line
⊠ S.C.	Existing Sanitary Cleanout	— SAN —	Existing Sanitary Sewer Line
⊠ L.P.	Existing Light Pole	— UGE —	Existing Underground Electric
⊠ B.H.	Existing Boring Hole	— UGT —	Existing Underground Telephone
⊠ S.	Existing Sign	— UGTV —	Existing Underground Cable TV
⊠ T.Ped	Existing Telephone Pedestal	— W —	Existing Water Line
⊠ T.S.	Existing Traffic Signal Post	—	Proposed Storm Sewer
⊠ RMH	Existing Traffic Manhole	—	Existing Storm Sewer
⊠ F.H.	Existing Fire Hydrant	—	Underdrain

Notes:
 1. Front Facing Bearing provided for non-curb inlets refers to side of inlet facing its downstream pipe.



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PROJECT:

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Soccer Complex Storm Sewer

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

Field Storm Sewer Plans

ISSUE:

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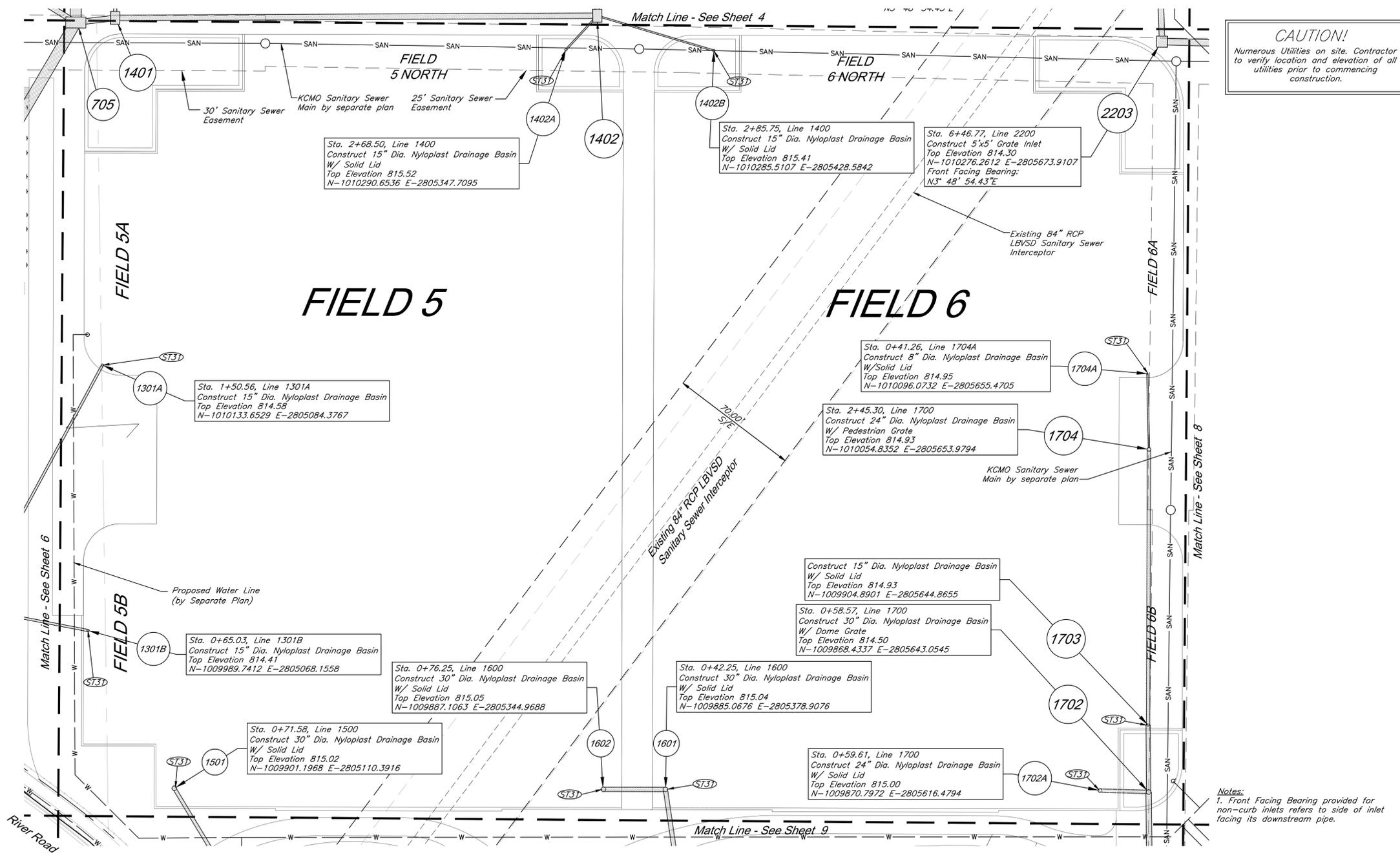


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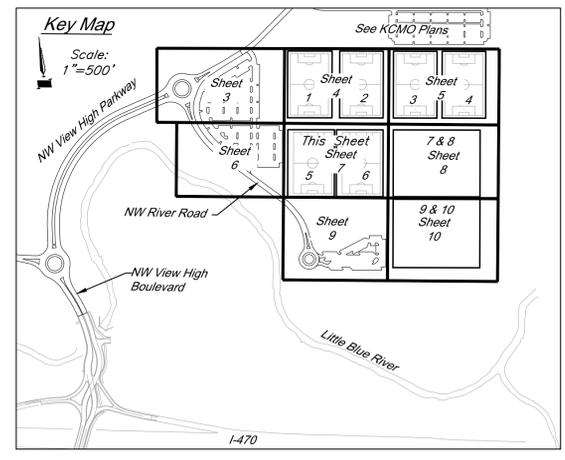
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Storm Sewer Construction Notes:
 (ST31) See Soccer Complex Plans for field drainage continuation

Utility Legend

⊠ CATV Ped	Existing Cable TV Pedestal	W.M.	Existing Water Meter
⊠ P.P.	Existing Power Pole	FO	Existing Fiber Optic Line
⊠ G.A.	Existing Guy Anchor	FP	Existing Fire Protection Line
⊠ E.M.H.	Existing Electrical Manhole	G	Existing Gas Line
⊠ E.T.	Existing Electrical Transformer	OHE	Existing Over Head Electric
⊠ G.M.	Existing Gas Meter	OHT	Existing Over Head Telephone
⊠ C.I.	Existing Curb Inlet	OHTV	Existing Over Head Cable TV
⊠ S.M.H.	Existing Sanitary Sewer Manhole	---	Property Line
⊠ S.C.	Existing Sanitary Cleanout	ROW	Right-of-Way Line
⊠ L.P.	Existing Light Pole	SAN	Existing Sanitary Sewer Line
⊠ B.H.	Existing Boring Hole	UGE	Existing Underground Electric
⊠ S.	Existing Sign	UGT	Existing Underground Telephone
⊠ Tel. Ped	Existing Telephone Pedestal	UGTV	Existing Underground Cable TV
⊠ T.S.P.	Existing Traffic Signal Post	W	Existing Water Line
⊠ T.M.H.	Existing Traffic Manhole	---	Proposed Storm Sewer
⊠ F.H.	Existing Fire Hydrant	---	Existing Storm Sewer
		---	Underdrain

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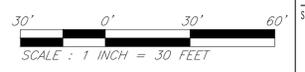
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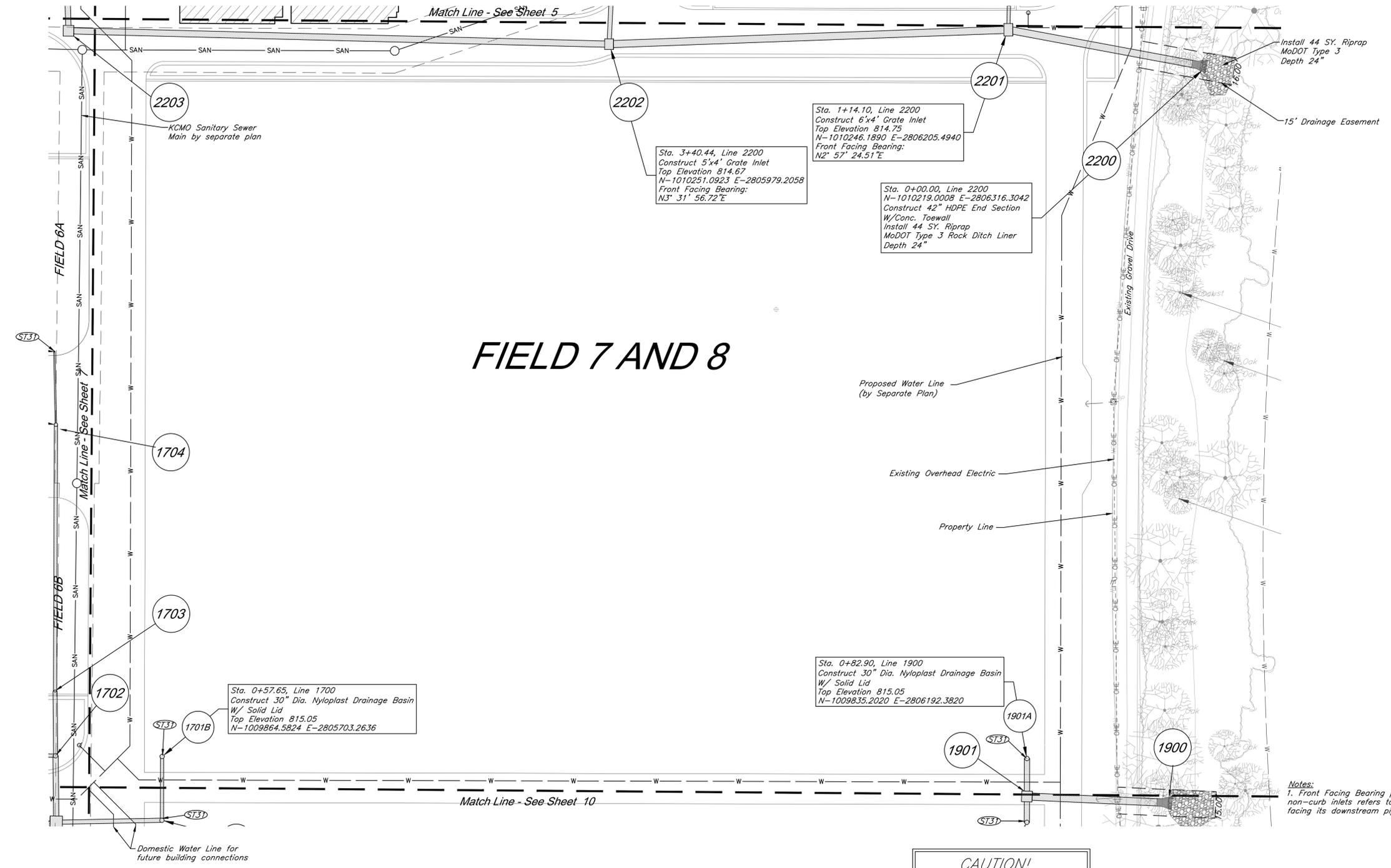


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FIELD 7 AND 8

Sta. 1+14.10, Line 2200
 Construct 6'x4' Grate Inlet
 Top Elevation 814.75
 N-1010246.1890 E-2806205.4940
 Front Facing Bearing:
 N2° 57' 24.51"E

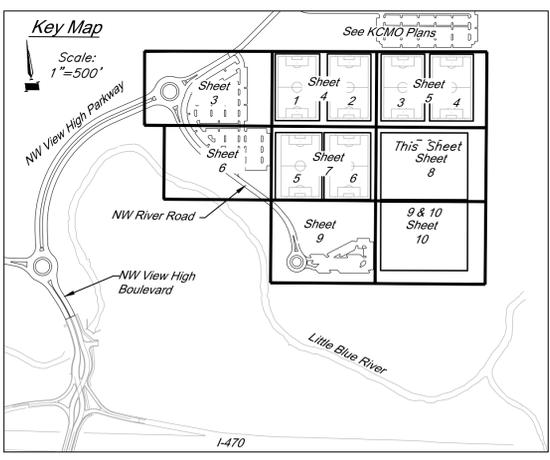
Sta. 0+00.00, Line 2200
 N-1010219.0008 E-2806316.3042
 Construct 42" HDPE End Section
 W/Conc. Toewall
 Install 44 SY. Riprap
 MoDOT Type 3 Rock Ditch Liner
 Depth 24"

Sta. 3+40.44, Line 2200
 Construct 5'x4' Grate Inlet
 Top Elevation 814.67
 N-1010251.0923 E-2805979.2058
 Front Facing Bearing:
 N3° 31' 56.72"E

Sta. 0+57.65, Line 1700
 Construct 30" Dia. Nyloplast Drainage Basin
 W/ Solid Lid
 Top Elevation 815.05
 N-1009864.5824 E-2805703.2636

Sta. 0+82.90, Line 1900
 Construct 30" Dia. Nyloplast Drainage Basin
 W/ Solid Lid
 Top Elevation 815.05
 N-1009835.2020 E-2806192.3820

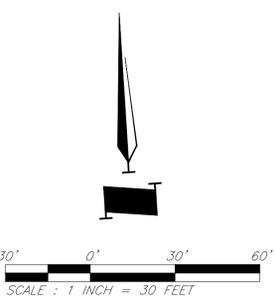
CAUTION!
 Numerous Utilities on site. Contractor
 to verify location and elevation of all
 utilities prior to commencing
 construction.



Storm Sewer Construction Notes:
 (ST3) See Soccer Complex Plans for field drainage continuation

Utility Legend

<ul style="list-style-type: none"> ⊠ CATV Ped. Existing Cable TV Pedestal ⊠ P.P. Existing Power Pole ⊠ Existing Guy Anchor ⊠ EMH Existing Electrical Manhole ⊠ ETM Existing Electrical Transformer ⊠ G.M. Existing Gas Meter ⊠ Existing Curb Inlet ⊠ SSMH Existing Sanitary Sewer Manhole ⊠ S.O. Existing Sanitary Cleanout ⊠ L.P. Existing Light Pole ⊠ Existing Boring Hole ⊠ Existing Sign ⊠ Tel. Ped. Existing Telephone Pedestal ⊠ T.S. Existing Traffic Signal Post ⊠ TRMH Existing Traffic Manhole ⊠ F.H. Existing Fire Hydrant 	<ul style="list-style-type: none"> FO Existing Water Meter FP Existing Fiber Optic Line FP Existing Fire Protection Line G Existing Gas Line OHE Existing Over Head Electric OHT Existing Over Head Telephone OHTV Existing Over Head Cable TV P Property Line ROW Right-of-Way Line SAN Existing Sanitary Sewer Line UGE Existing Underground Electric UGT Existing Underground Telephone UCTV Existing Underground Cable TV W Existing Water Line Proposed Storm Sewer Existing Storm Sewer Underdrain
--	---



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 Lenexa, KS 66219
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PROJECT:
Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

ISSUE:
 10/17/19 City Comments
 3/13/20 City Comments
 4/28/20 City Comments

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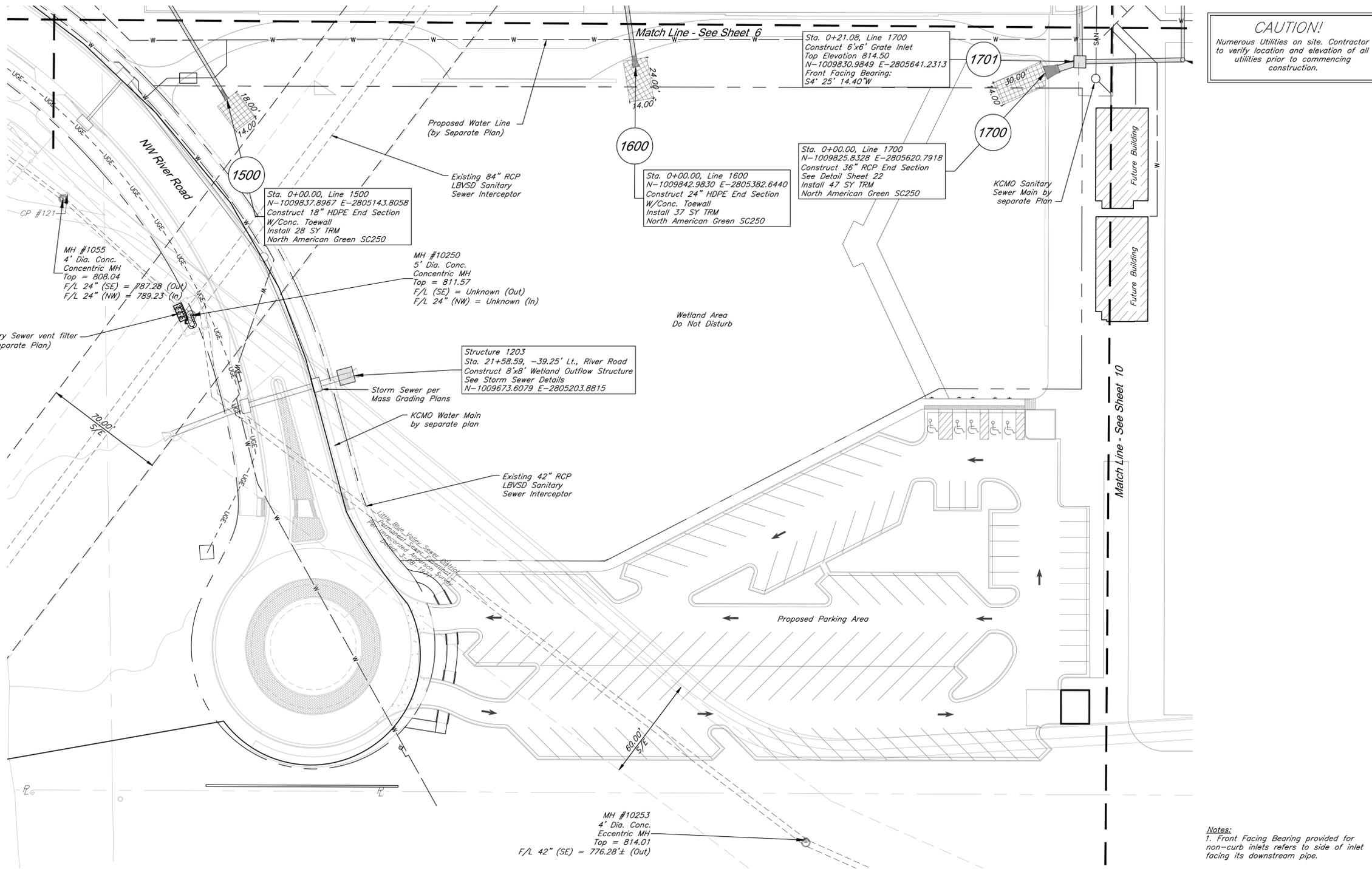
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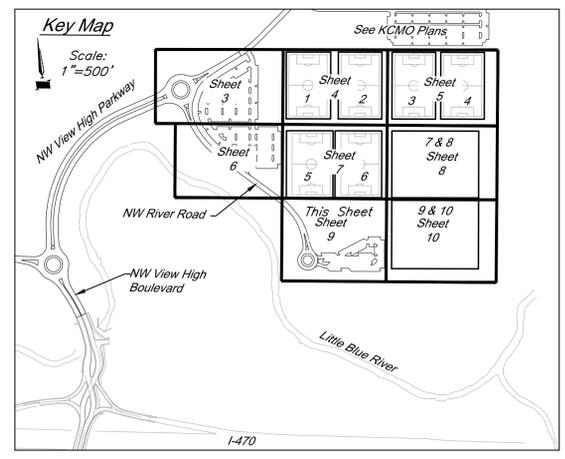
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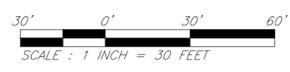
CAUTION!
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Utility Legend

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--	---

Notes:
 1. Front Facing Bearing provided for non-curb inlets refers to side of inlet facing its downstream pipe.



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 7801 Renner Boulevard
 Lenexa, KS 66219
 913.492.0400
 www.gbainc.com
 MO Certificate of Authority # 000133

LANDS Studio, LLC
 317 SE Main
 Lee's Summit, MO 64083
 www.landsstudio.com
 MO Certificate of Authority # 2008001860

Hoerr Schaudt Landscape Architects
 2100 Central Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
 MO Certificate of Authority # 2019040688

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 8343 Lennox Drive
 Lenexa, KS 66214
 913.742.5000
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 Missouri Certificate of Authority # 000556

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 Overland Park, KS 66211
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 www.finklewilliams.com
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PROJECT:

Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

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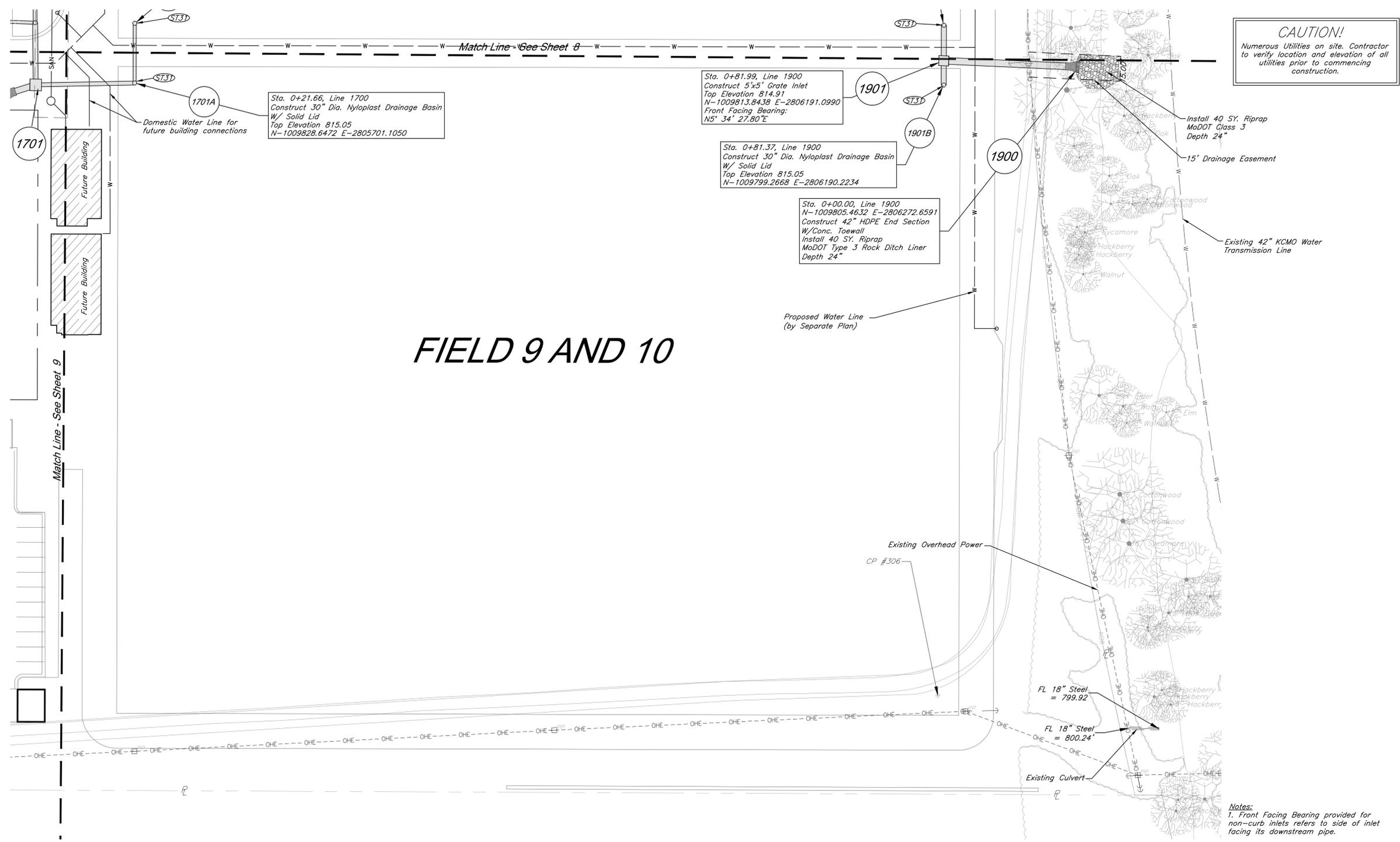
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3/13/20	City Comments
4/28/20	City Comments



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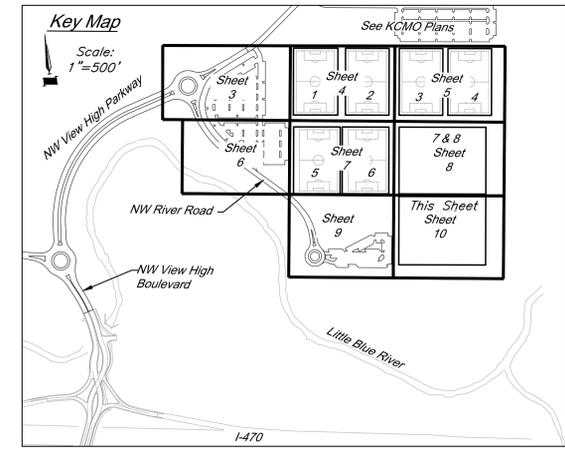
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FIELD 9 AND 10

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



Storm Sewer Construction Notes:
 (ST3) See Soccer Complex Plans for field drainage continuation

Utility Legend	
□ CATV Ped	Existing Cable TV Pedestal
□ P.P.	Existing Power Pole
←	Existing Guy Anchor
⊕ EMH	Existing Electrical Manhole
⊕ EMH	Existing Electrical Transformer
⊕ G.M.	Existing Gas Meter
□	Existing Curb Inlet
⊕ SSMH	Existing Sanitary Sewer Manhole
⊕ S.C.	Existing Sanitary Cleanout
⊕ L.P.	Existing Light Pole
⊕ B.H.	Existing Boring Hole
⊕ S.	Existing Sign
⊕ Tel. Ped.	Existing Telephone Pedestal
⊕ T.S.	Existing Traffic Signal Post
⊕ TRMH	Existing Traffic Manhole
⊕ F.H.	Existing Fire Hydrant
— W.M.	Existing Water Meter
— FO	Existing Fiber Optic Line
— FP	Existing Fire Protection Line
— G	Existing Gas Line
— OHE	Existing Over Head Electric
— OHT	Existing Over Head Telephone
— OHTV	Existing Over Head Cable TV
— P	Property Line
— ROW	Right-of-Way Line
— SAN	Existing Sanitary Sewer Line
— UGE	Existing Underground Electric
— UGT	Existing Underground Telephone
— UGTV	Existing Underground Cable TV
— W.L.	Existing Water Line
—	Proposed Storm Sewer
—	Existing Storm Sewer
—	Underdrain

GBA
 1981 Renner Boulevard
 Lenexa, KS 66219
 913.492.0400
 www.gba.com
 MO Certificate of Authority # 000133

LANDS Studio, LLC
 317 SE Main
 Lees Summit, MO 64063
 www.landsstudio.com
 MO Certificate of Authority # 200601860

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 8345 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
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 913.498.1550
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PROJECT:
Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

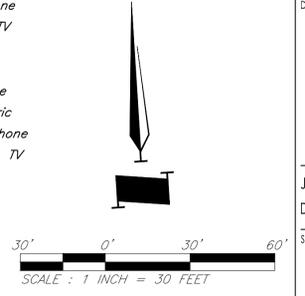
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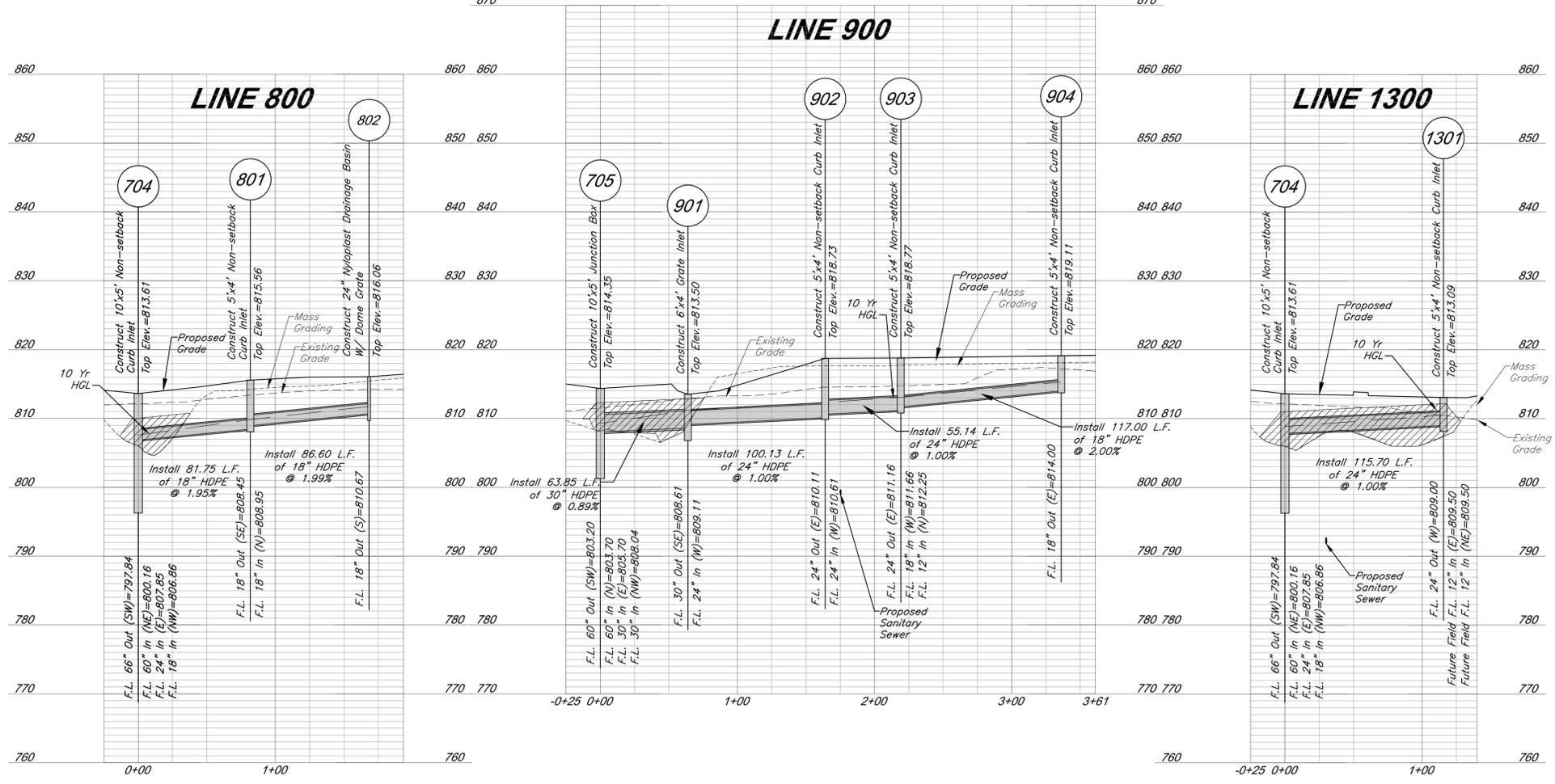
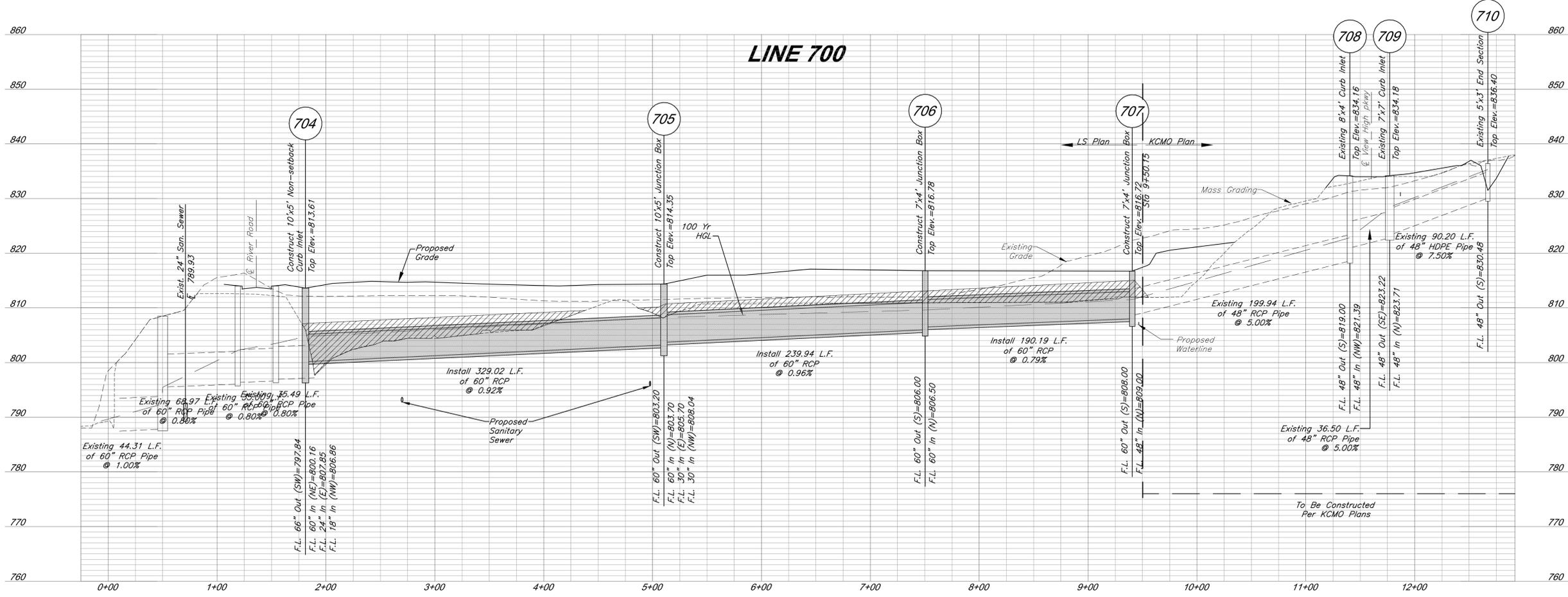
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LEGEND

Compacted Fill shall be placed to a minimum of 18 inches above the top of pipe prior to installation.

Horizontal Scale: 1" = 50'
 Vertical Scale: 1" = 10'

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 913.492.0400
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 317 SE Main
 Lee's Summit, MO 64083
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Hoer Schaudt Landscape Architects
 2100 Central Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
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 8343 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
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 Missouri Certificate of Authority # 000556

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 Overland Park, KS 66211
 913.498.1550
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PROJECT:

Paragon Star Soccer Complex

Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081

Field Storm Sewer Plans

ISSUE:

10/17/19	City Comments
3/13/20	City Comments
4/28/20	City Comments

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Storm Sewer Profiles

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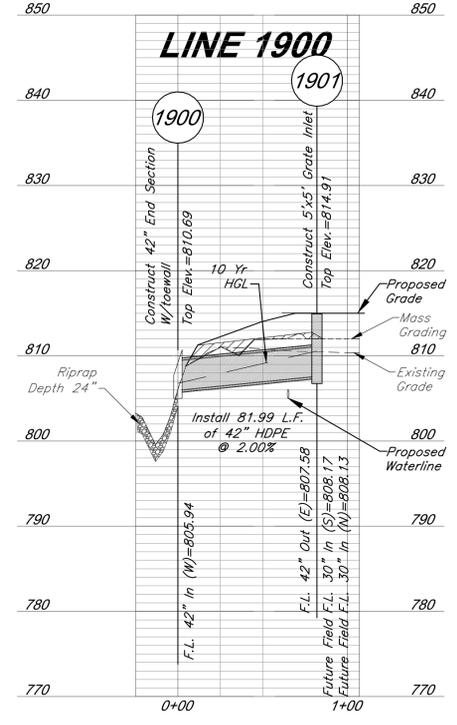
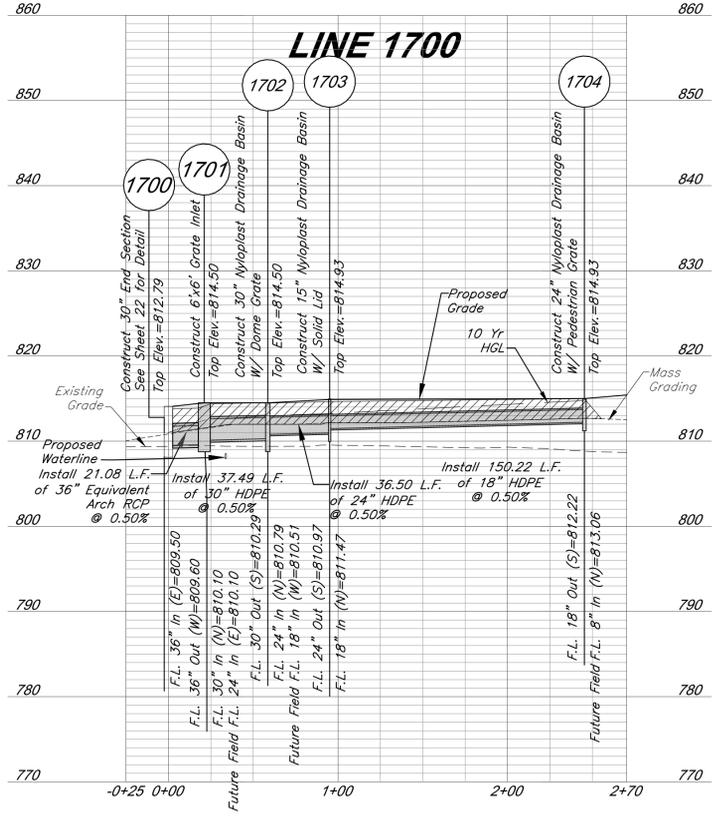
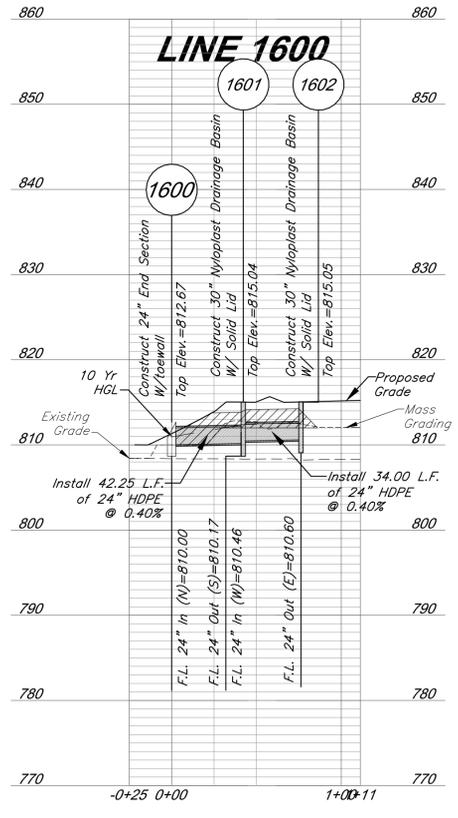
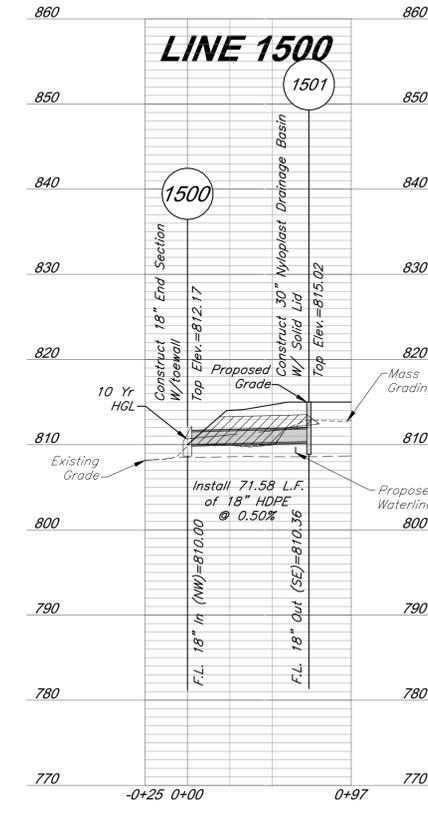
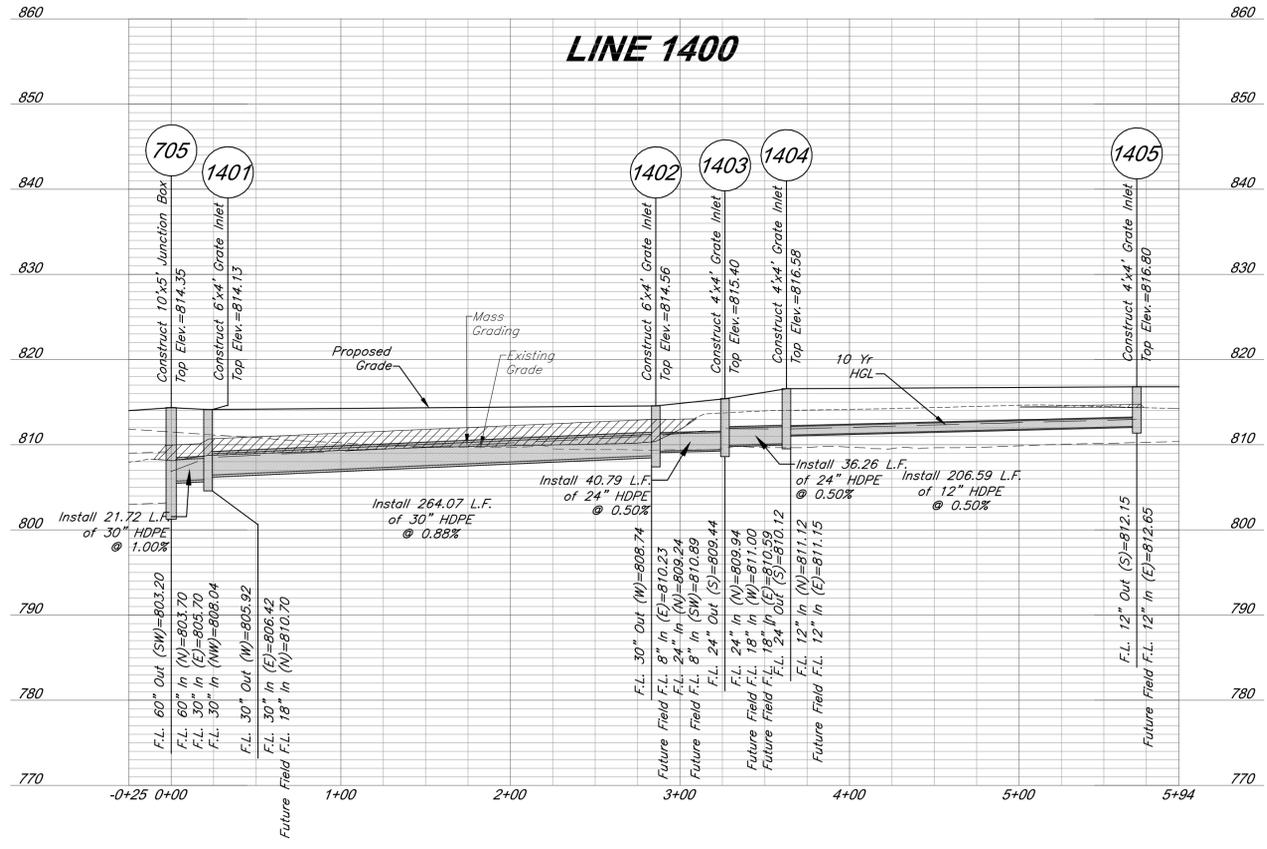
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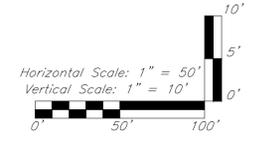
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 Lee's Summit, MO 64083
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 Kansas City, MO 64108
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PROJECT:

Paragon Star Soccer Complex

Soccer Complex Storm Sewer
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Field Storm Sewer Plans

ISSUE:

- 10/17/19 City Comments
- 3/13/20 City Comments
- 4/28/20 City Comments

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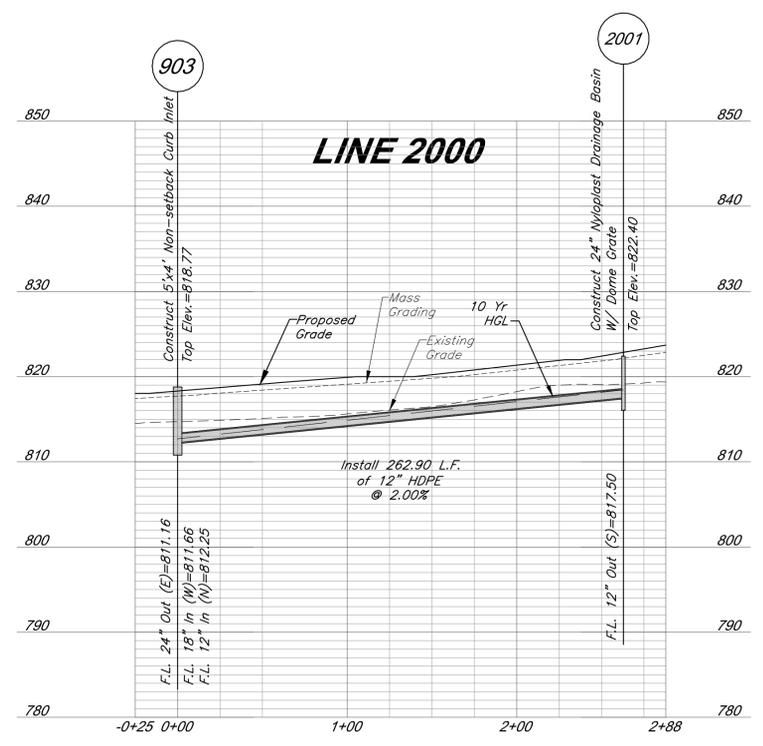
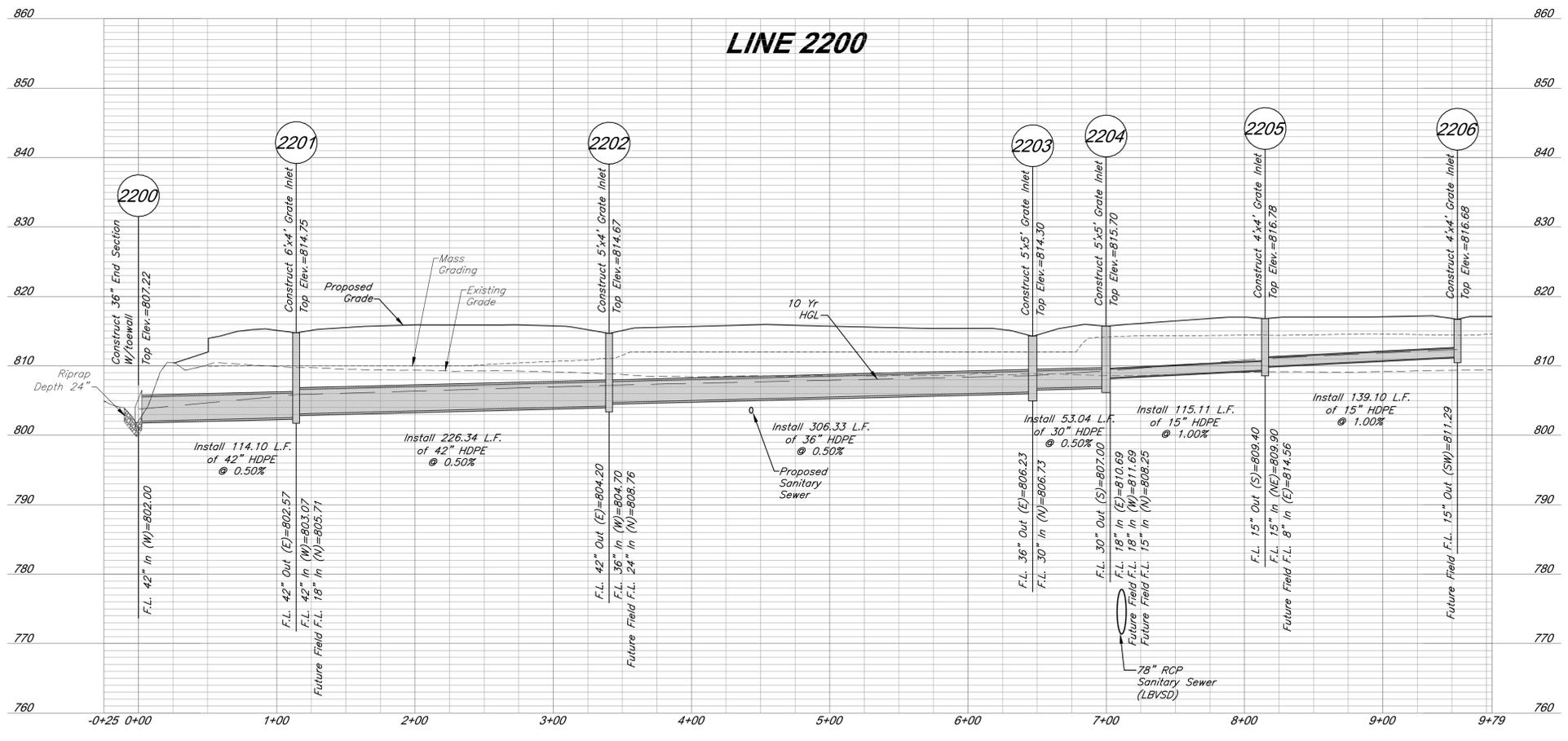


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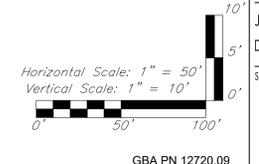
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 2100 Centra Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
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 Lenexa, KS 66214
 913.742.5000
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 7807 College Boulevard, Suite 415
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 913.498.1550
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PROJECT:

Paragon Star Soccer Complex

Soccer Complex Storm Sewer

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

Field Storm Sewer Plans

ISSUE:

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- 3/13/20 City Comments
- 4/28/20 City Comments

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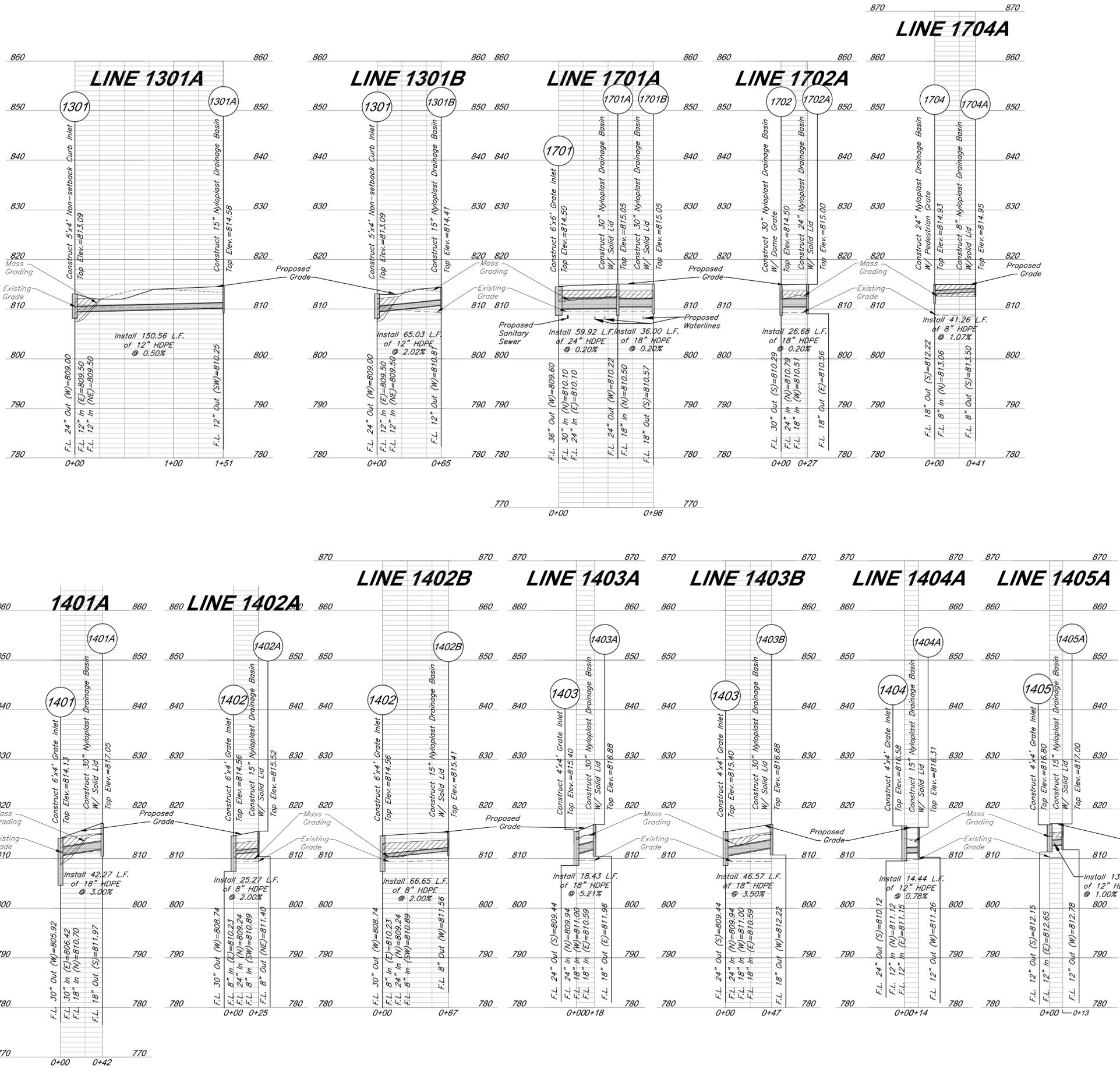


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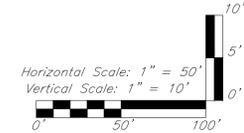
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 Lenexa, KS 66219
 913.492.0400
 www.gbasteam.com
 MO Certificate of Authority # 000133

 LAND3 Studio, LLC
 317 SE Main
 Lee's Summit, MO 64083
 www.land3studio.com
 MO Certificate of Authority # 2008001860

 Hoerr Schaudt Landscape Architects
 2100 Centra Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
 MO Certificate of Authority # 201904068

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 8343 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
 www.he-eng.com
 Missouri Certificate of Authority # 000556

 FINKLE + WILLIAMS Architecture
 7037 College Boulevard, Suite 415
 Overland Park, KS 66211
 913.498.1550
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Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
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 Field Storm Sewer Plans

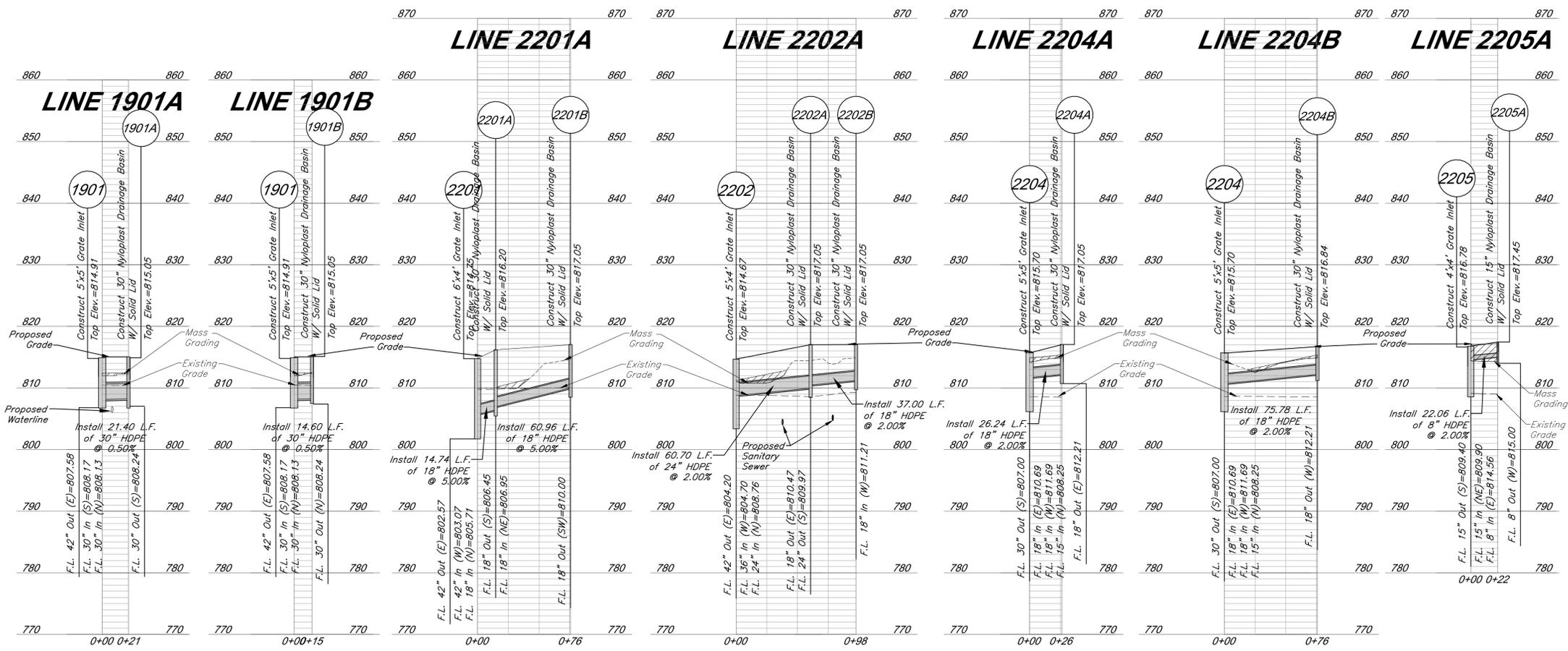
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 4/28/20 City Comments



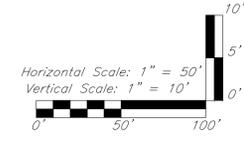
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Note: Compacted Fill shall be placed to a minimum of 18 inches above the top of pipe prior to installation.



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 Lenexa, KS 66219
 913.492.0400
 www.gbateam.com
 MO Certificate of Authority # 000133

LAND3 Studio, LLC
 317 E Main
 Lee's Summit, MO 64043
 www.land3studio.com
 MO Certificate of Authority # 2008001860

Hoerr Schaudt Landscape Architects
 2100 Centra Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
 MO Certificate of Authority # 2019004068

HENDERSON ENGINEERS, Inc.
 8343 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
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FINKLE + WILLIAMS Architecture
 7037 College Boulevard, Suite 415
 Overland Park, KS 66211
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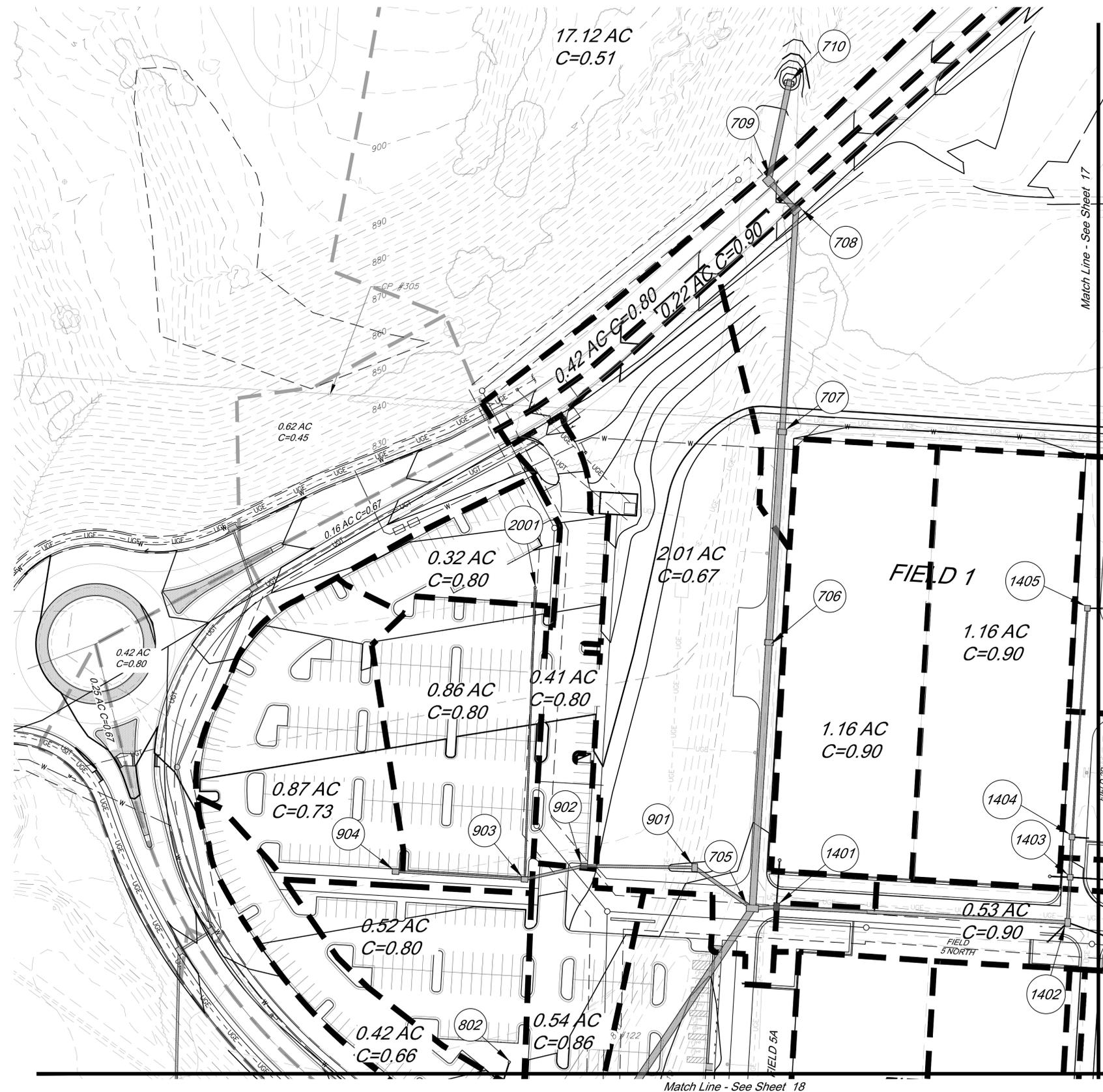
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3/13/20	City Comments
4/28/20	City Comments



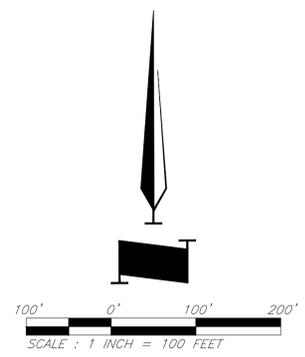
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JOB NO: 1197 SCALE:
 DATE: 04.28.2020 DRAWN BY: GBA
 SHEET NO:

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- Legend**
- 800 Proposed Contours
 - 800 Existing Contour
 - Proposed Drainage Area
 - 0.28 Acres Drainage Area
 - Proposed Storm Sewer
 - Future Storm Sewer



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 913.492.0400
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LAND3 Studio, LLC
 317 SE Main
 Lee's Summit, MO 64063
 www.land3studio.com
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 Kansas City, MO 64108
 816.510.0438
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 Overland Park, KS 66211
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PROJECT:

Paragon Star Soccer Complex

Soccer Complex Storm Sewer
1401 NW View High Dr, Lee's Summit, MO 64081

Field Storm Sewer Plans

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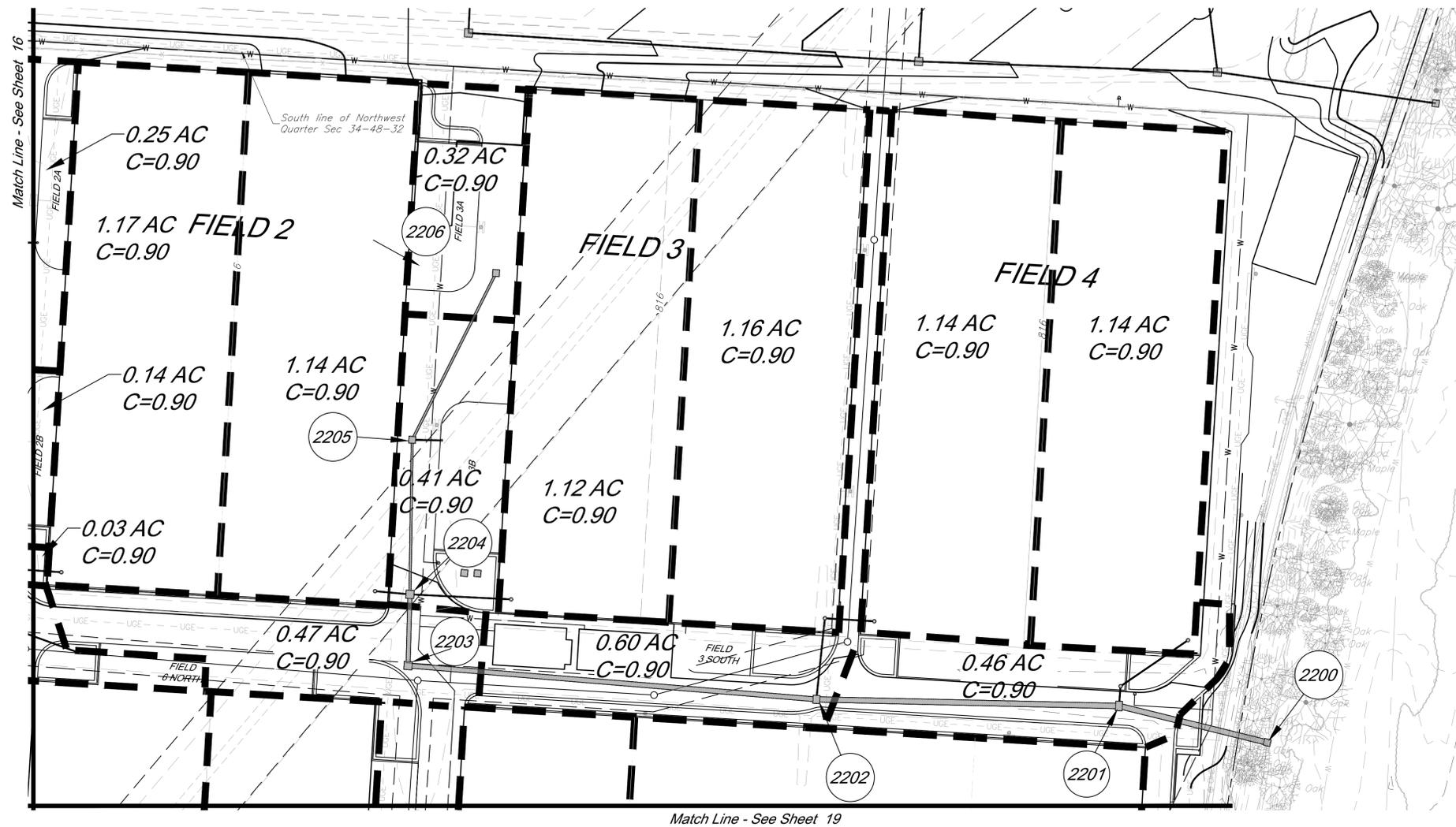
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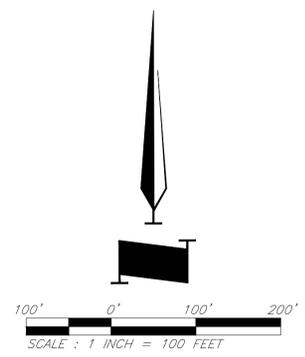
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 - 800 Existing Contour
 - Proposed Drainage Area
 - 0.28 Acres Drainage Area
 - Proposed Storm Sewer
 - Future Storm Sewer



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 Lenexa, KS 66219
 913.492.0400
 www.gbainc.com
 MO Certificate of Authority # 000133

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 317 SE Main
 Lee's Summit, MO 64083
 www.land3studio.com
 MO Certificate of Authority # 2008001860

Hoerr Schaudt Landscape Architects
 2100 Central Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
 MO Certificate of Authority # 2019004088

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 8345 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
 www.he-eng.com
 Missouri Certificate of Authority # 000556

FINKLE + WILLIAMS Architecture
 7837 College Boulevard, Suite 415
 Overland Park, KS 66211
 913.498.1550
 www.finklewilliams.com
 Missouri Certificate of Authority # F00453304

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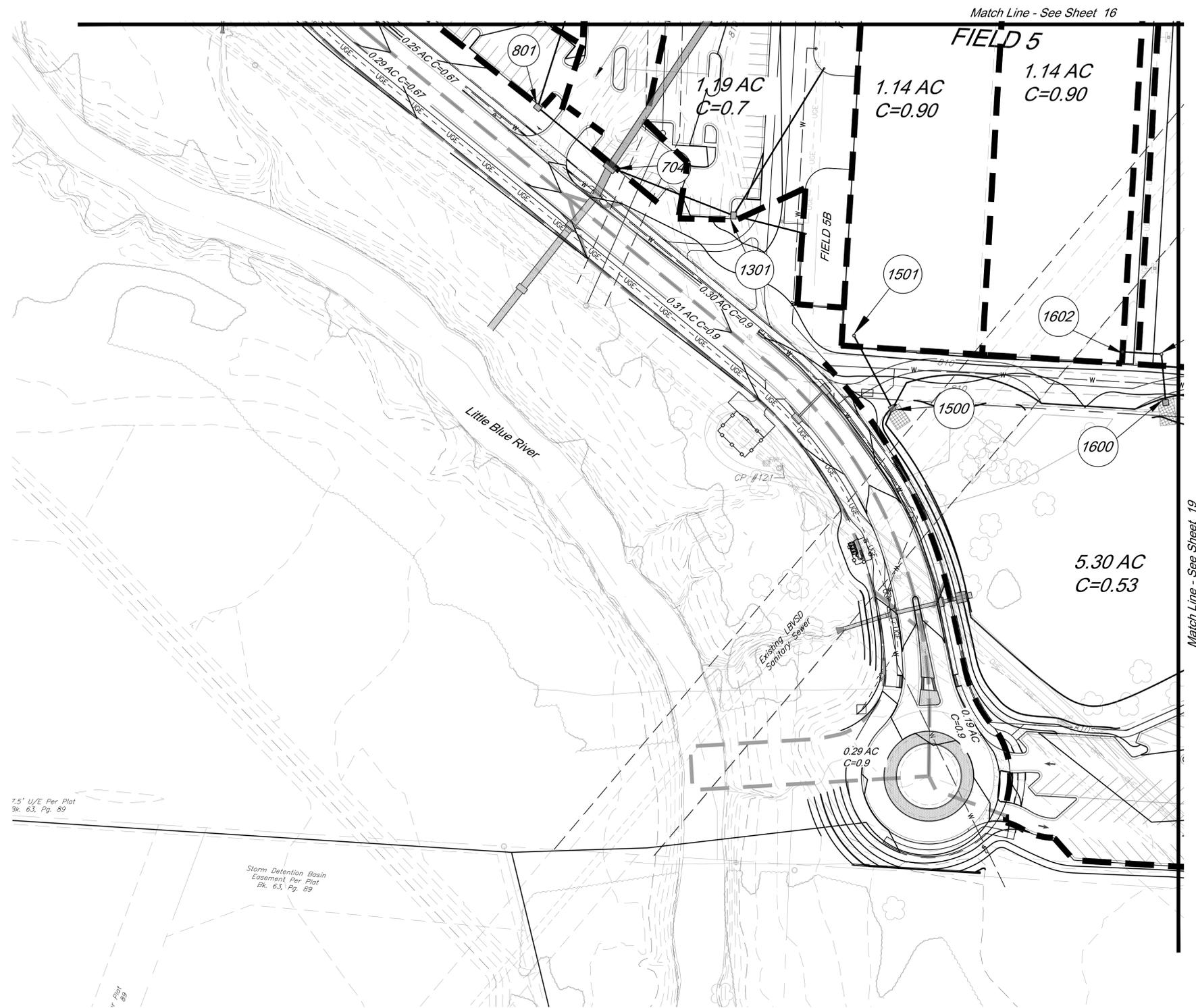


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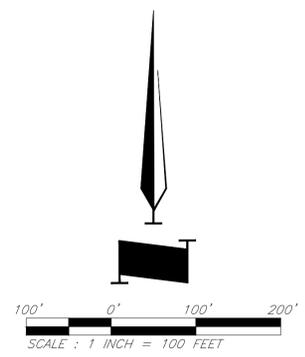
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- Legend**
- Proposed Contours
 - Existing Contour
 - Proposed Drainage Area
 - Drainage Area
 - Proposed Storm Sewer
 - Future Storm Sewer



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 7801 Renner Boulevard
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 913.492.0400
 www.gbateam.com
 MO Certificate of Authority # 000133

 LAND3 Studio, LLC
 317 SE Main
 Lee's Summit, MO 64083
 www.land3studio.com
 MO Certificate of Authority # 2008001860

 Hoerr Schaudt Landscape Architects
 2100 Central Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
 MO Certificate of Authority # 201904068

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 8343 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
 www.hen-eng.com
 Missouri Certificate of Authority # 000556

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 7037 College Boulevard, Suite 415
 Overland Park, KS 66211
 913.498.1550
 www.finklewilliams.com
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4/28/20	City Comments

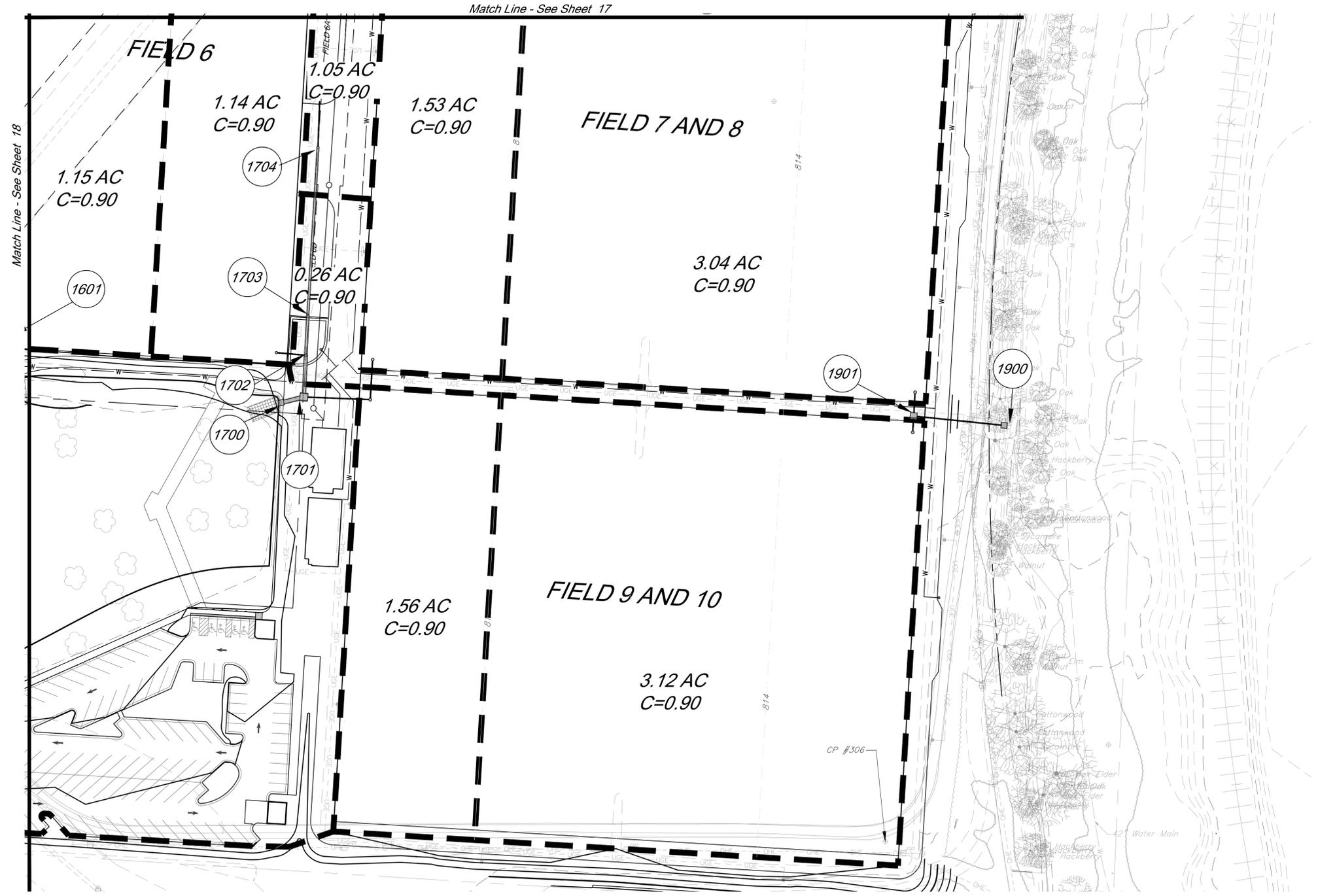


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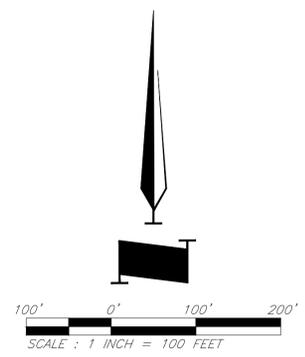
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- Legend**
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 - Existing Contour
 - Proposed Drainage Area
 - Drainage Area
 - Proposed Storm Sewer
 - Future Storm Sewer



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 913.492.0400
 www.gbateam.com
 MO Certificate of Authority # 000133

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 317 SE Main
 Lee's Summit, MO 64063
 www.land3studio.com
 MO Certificate of Authority # 2008001860

Hoerr Schaudt Landscape Architects
 2100 Central Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
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 Lenexa, KS 66214
 913.742.5000
 www.he-eng.com
 Missouri Certificate of Authority # 000556

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 7037 College Boulevard, Suite 415
 Overland Park, KS 66211
 913.498.1550
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PROJECT:

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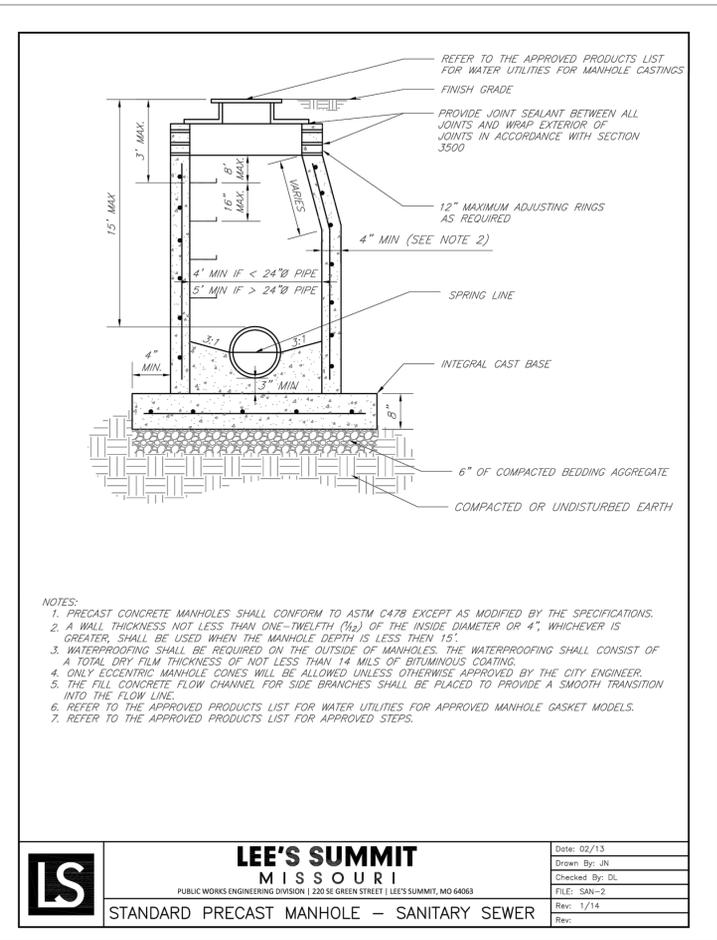


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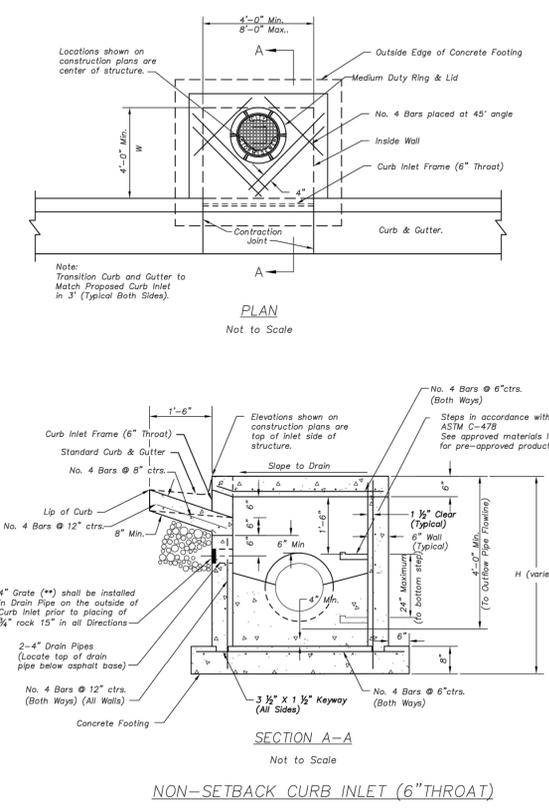
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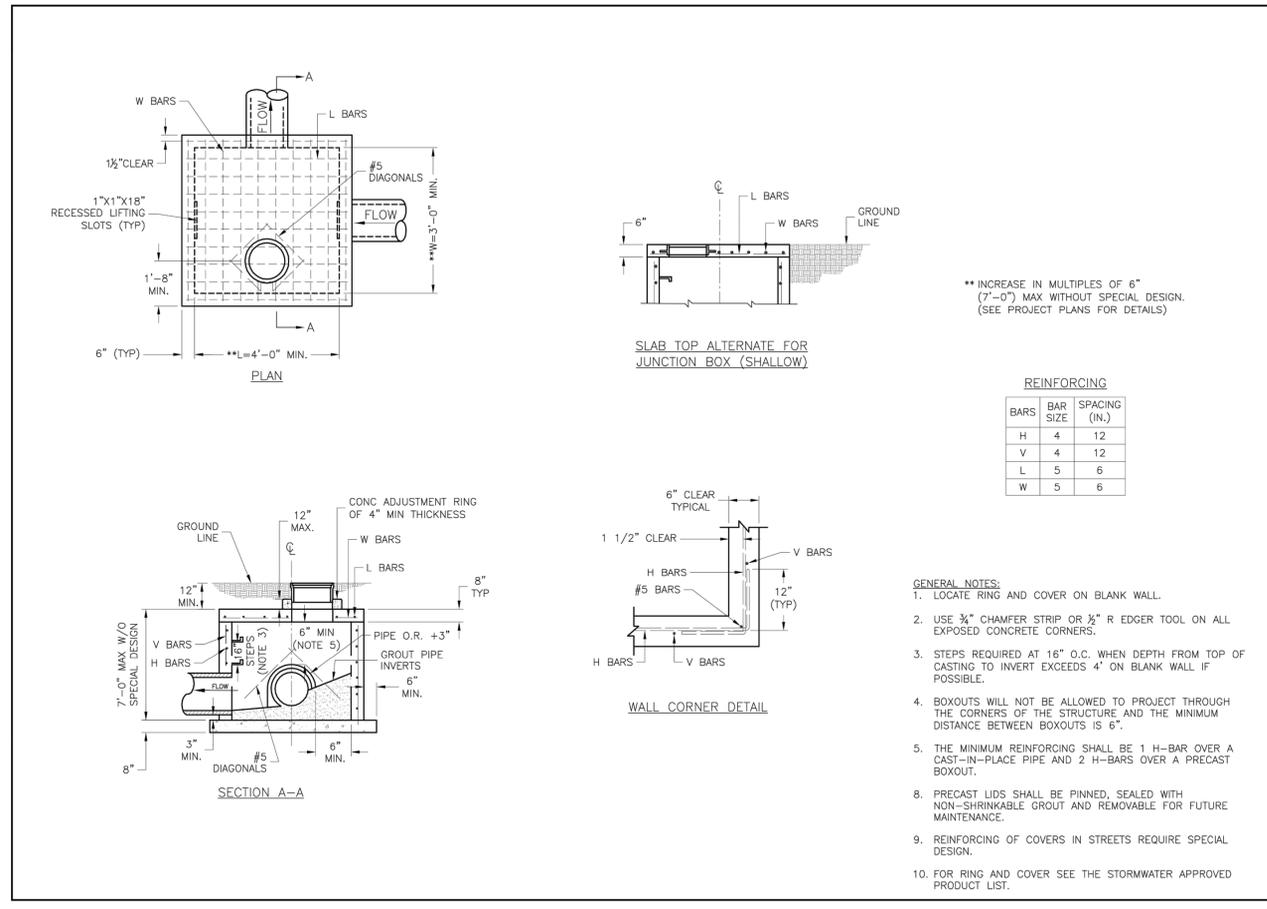
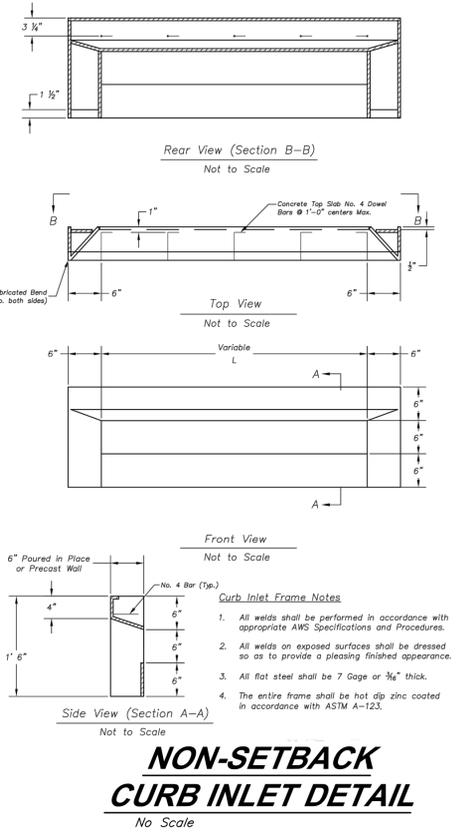
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 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

STANDARD PRECAST MANHOLE - SANITARY SEWER

Date: 02/13
 Drawn By: JN
 Checked By: DL
 FILE: SAN-2
 Rev: 1/14
 Rev:



- Non-Setback Curb Inlet Notes**
- General
- City of Lee's Summit Municipal Code, Design Standards, and Specifications are incorporated except as otherwise noted.
 - All storm sewer structures shall be pre-cast or poured in place. If pre-cast structures are used for publicly financed, maintained or administered construction, the tops shall be poured in place and the wall steel shall be left exposed to a height 2' below the finish top elevation, or as directed by the City Engineer.
 - Pre-cast shop drawings are to be approved by the City Engineer for publicly financed or administered projects. Pre-cast shop drawings for privately financed projects are to be submitted to the Engineering Services Division of the Planning and Development Services Department upon request.
 - Do not scale these drawings for dimensions or clearances. Any questions regarding dimensions shall be brought to the attention of the City Engineer prior to construction.
 - On-grade inlets shall conform to the street grade. Sump inlets shall be level.
 - The first dimension listed in the construction notes is the "L" dimension. The second dimension is the "W" dimension. The concrete thickness and reinforcement shown is for boxes with ("L" x "W") and ("W" x "W") less than or equal to 20'. For boxes with either of these calculations greater than 20', a special design is required.
- Concrete
- Concrete used in this work shall be KCMBAK, as approved by the Kansas City Metropolitan Materials Board, and shall meet the requirements of the City of Lee's Summit Municipal Code.
 - Inlet floors shall be shaped with non-reinforced concrete inverts to provide smooth flow.
 - Bevel all exposed edges with 3/4" triangular mounding.
- Reinforcing Steel
- Reinforcing steel shall be new billet, minimum Grade 60 as per ASTM A615, and shall be bent cold.
 - All dimensions relative to reinforcing steel are to centerline of bars. 2" clearance shall be provided throughout unless noted otherwise. Tolerance of +/- 1/8" shall be permitted.
 - All lap splices not shown shall be a minimum of 40 bar diameters in length.
 - All reinforcing steel shall be supported on fabricated steel bar supports @ 3'-0" maximum spacing.
 - All dowels shall be accurately placed and securely tied in place prior to placement of bottom slab concrete. Sticking of dowels into fresh or partially hardened concrete will not be acceptable.
- Construction
- The bottom slab shall be at least 24 hours old before placing sidewall concrete. All sidewall forms shall remain in place a minimum of 24 hours after sidewalls are poured before removal, and after removal shall be immediately treated with membrane curing compound.
 - All curb inlet tops are to be constructed after final curb string line has been approved by the engineer and prior to curb construction or as directed by the city engineer.
 - Pipe connections to pre-cast structures shall have a minimum of 6" of concrete around the entire pipe within 2' of the structure.
 - Material selection and compaction requirements for backfill around structures shall be as specified in the Manual of Infrastructure Standards for Right of Way Restoration, as promulgated by the City Engineer.



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 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

STANDARD DETAILS
 CITY OF LEE'S SUMMIT, MO
 LEE'S SUMMIT, JACKSON COUNTY, MO
 JUNCTION BOX DETAIL

Drawn By: MJZ
 Checked By: DL
 Date: 03/17
 Proj. #

STM-3

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 7801 Rainier Boulevard
 Lenexa, KS 66219
 913.492.0400
 www.gba.com
 MO Certificate of Authority # 000133

LANDS Studio, LLC
 317 SE Main
 Lee's Summit, MO 64063
 www.landsstudio.com
 MO Certificate of Authority # 2006001860

Hoer Schaudt Landscape Architects
 2100 Centra Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoeschaudt.com
 MO Certificate of Authority # 201904068

HENDERSON ENGINEERS, Inc.
 8346 Lenexa Drive
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 913.742.5000
 www.heng.com
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FINKLE + WILLIAMS Architecture
 7037 College Boulevard, Suite 415
 Overland Park, KS 66211
 913.498.1550
 www.finklevilliams.com
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PROJECT:

Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

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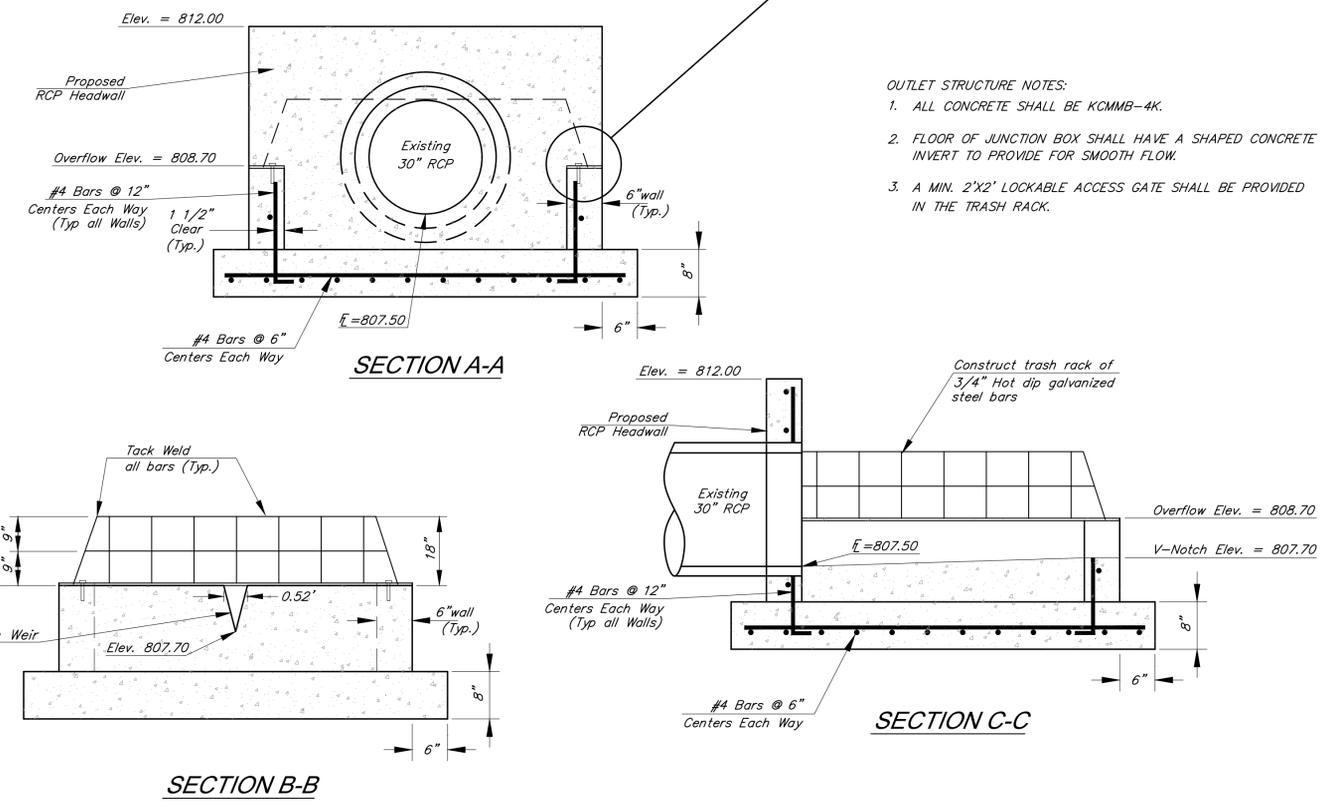
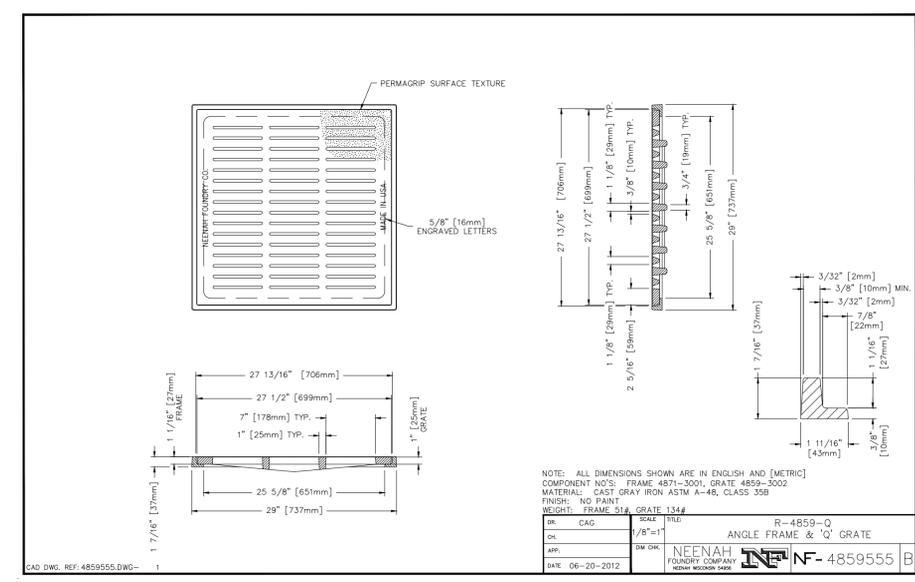
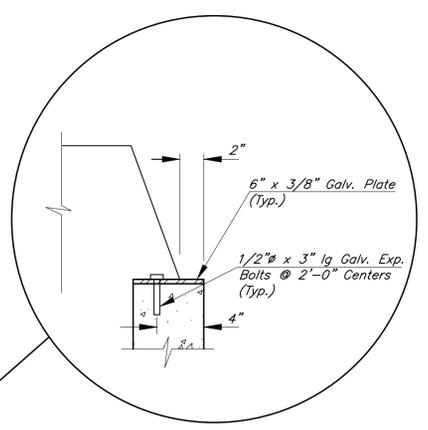
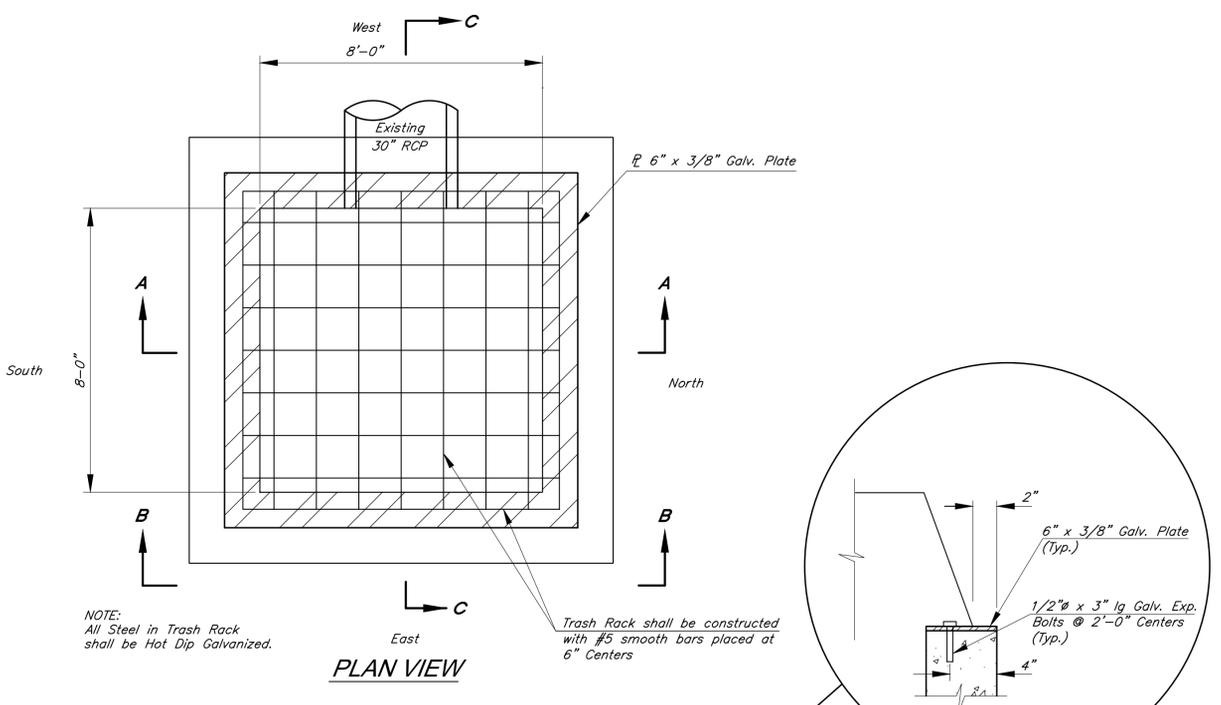
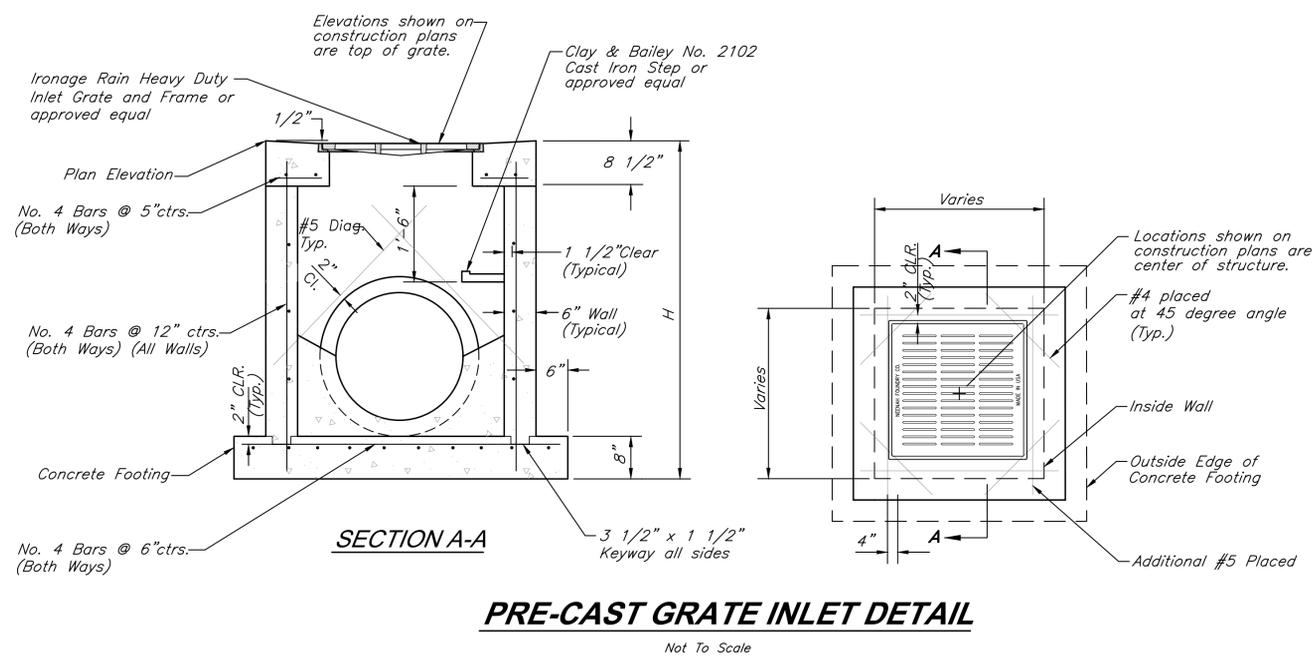
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- OUTLET STRUCTURE NOTES:**
1. ALL CONCRETE SHALL BE KOMMB-4K.
 2. FLOOR OF JUNCTION BOX SHALL HAVE A SHAPED CONCRETE INVERT TO PROVIDE FOR SMOOTH FLOW.
 3. A MIN. 2'X2' LOCKABLE ACCESS GATE SHALL BE PROVIDED IN THE TRASH RACK.

GBA
1981 Rainier Boulevard
Lenexa, KS 66219
913.492.0400
www.gbateam.com
MO Certificate of Authority # 000133

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317 SE Main
Lee's Summit, MO 64083
www.land3studio.com
MO Certificate of Authority # 2008001860

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2100 Central Street, Suite 01C
Kansas City, MO 64108
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8345 Lenexa Drive
Lenexa, KS 66214
913.742.5000
www.he-eng.com
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Overland Park, KS 66211
913.498.1550
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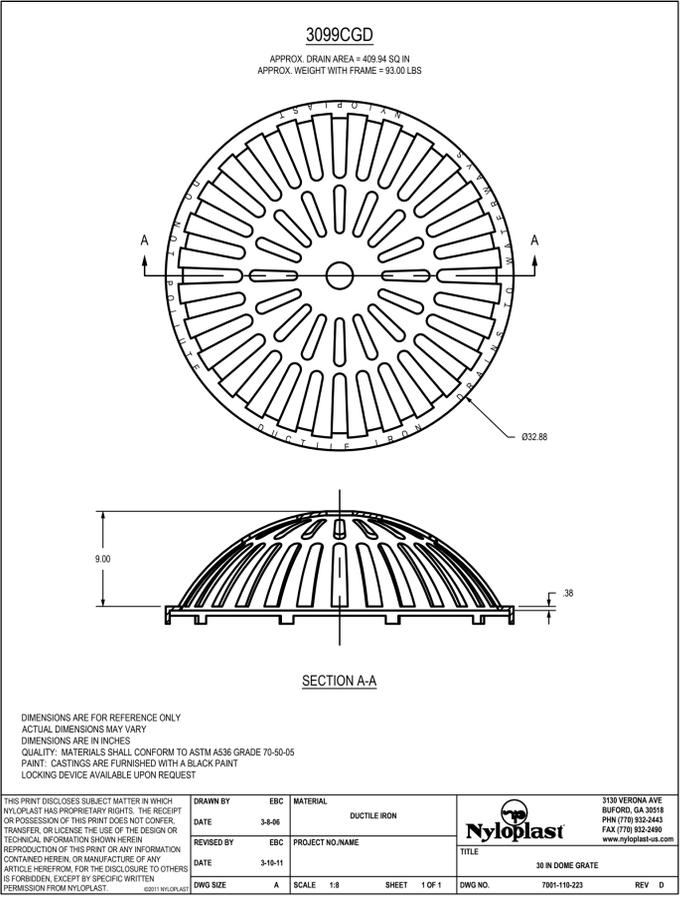
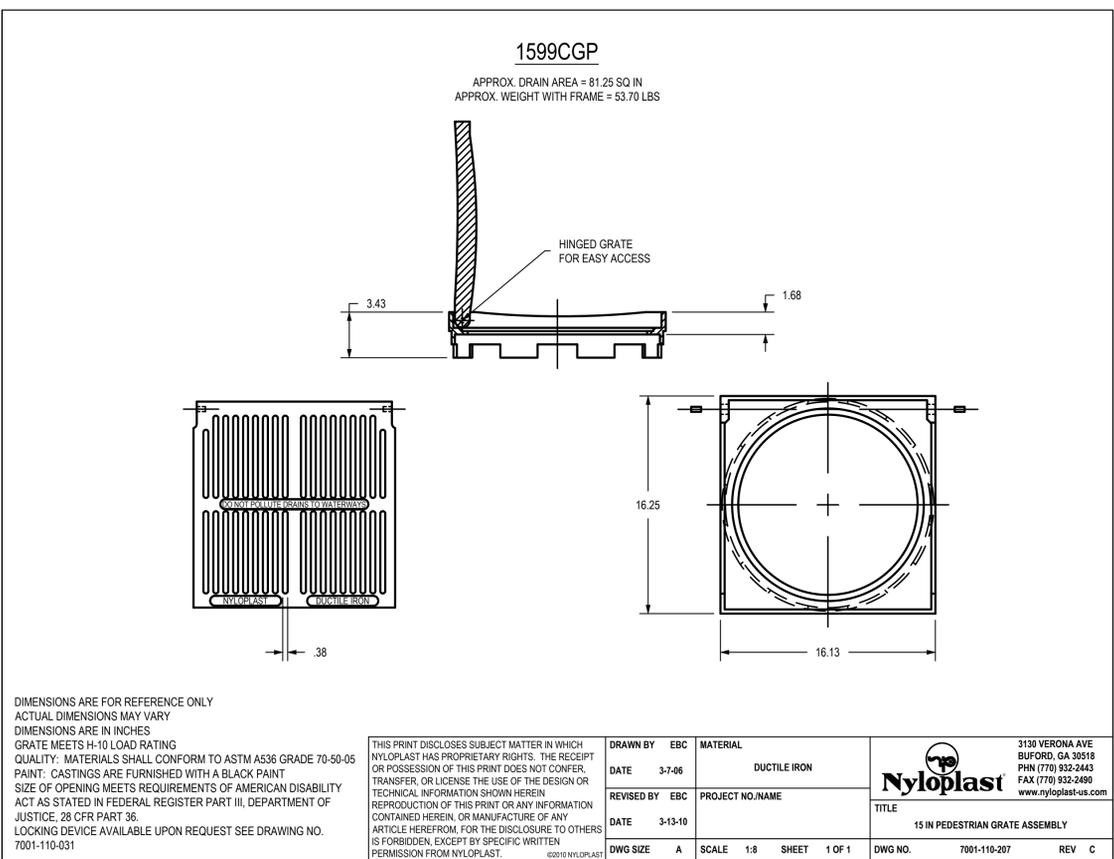
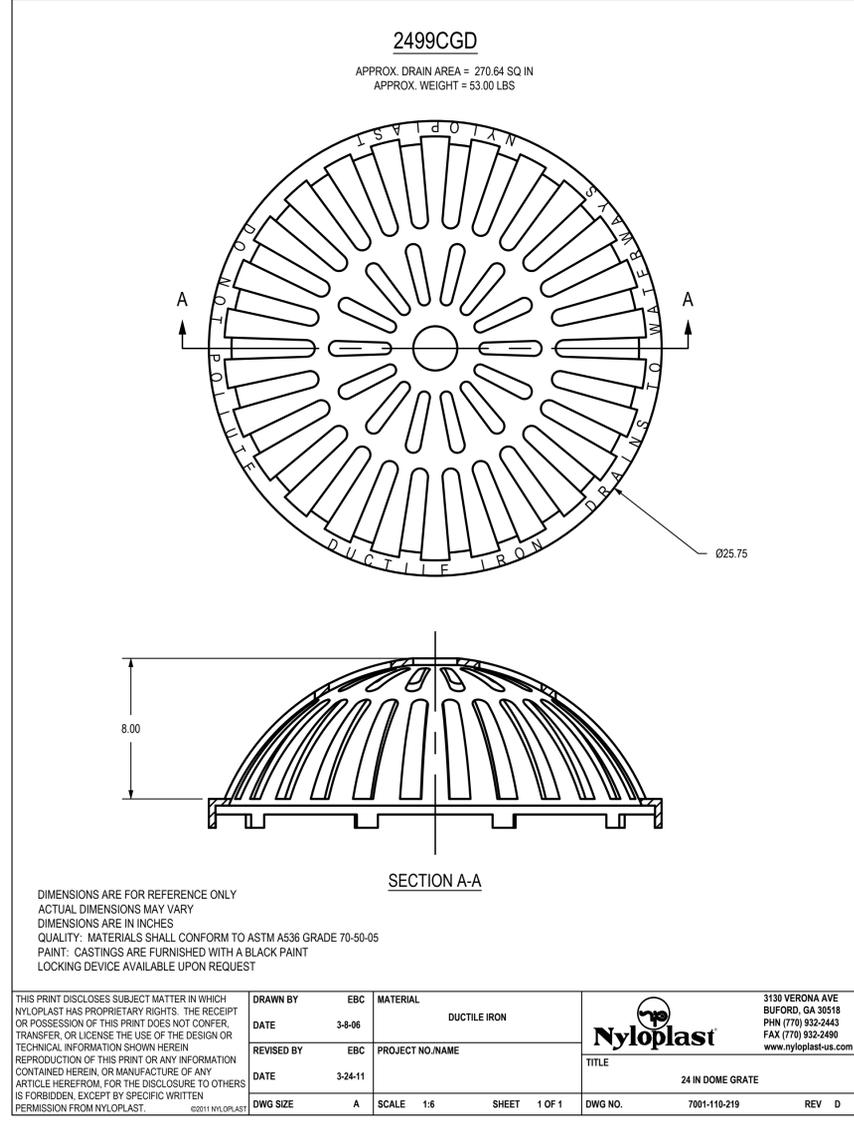
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 Lee's Summit, MO 64063
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 Kansas City, MO 64108
 816.510.0438
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 MO Certificate of Authority # 2019004088

HENDERSON ENGINEERS, Inc.
 8340 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
 www.h-e-n-g.com
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FINKLE + WILLIAMS Architecture
 7037 College Boulevard, Suite 415
 Overland Park, KS 66211
 913.498.1550
 www.finklevilliams.com
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DWG SIZE	A	SCALE	1:10
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DATE	3-13-10	DWG NO.	7001-110-218
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PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

2499CGP
APPROX. DRAIN AREA = 164.10 SQ IN
APPROX. WEIGHT WITH FRAME = 99.50 LBS

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-10 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
SIZE OF OPENINGS MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART III, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-023

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DRAWN BY	EBC	MATERIAL	DUCTILE IRON
DATE	3-8-06	PROJECT NO./NAME	
REVISED BY	EBC	TITLE	24 IN PEDESTRIAN GRATE ASSEMBLY - TYPE B
DATE	3-13-10	DWG NO.	7001-110-216
DWG SIZE	A	SCALE	1:10
SHEET	1 OF 1	REV	C

3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

GBA
7801 Renner Boulevard
Lenexa, KS 66219
913.492.0400
www.gbateam.com
MO Certificate of Authority # 000133

LAND3 Studio, LLC
317 SE Main
Lee's Summit, MO 64063
www.land3studio.com
MO Certificate of Authority # 2008001860

Hoerr Schaudt Landscape Architects
2100 Central Street, Suite 01C
Kansas City, MO 64108
816.510.0438
www.hoerschaudt.com
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HENDERSON ENGINEERS, Inc.
8343 Lennox Drive
Lenexa, KS 66214
913.742.5000
www.he-eng.com
Missouri Certificate of Authority # 000556

FINKLE + WILLIAMS Architecture
7037 College Boulevard, Suite 415
Overland Park, KS 66211
913.498.1550
www.finklewilliams.com
Missouri Certificate of Authority # F00453304

PROJECT:

Paragon Star Soccer Complex
 Soccer Complex Storm Sewer
 1401 NW View High Dr, Lee's Summit, MO 64081
 Field Storm Sewer Plans

ISSUE:

10/17/19 City Comments
3/13/20 City Comments
4/28/20 City Comments

PROFESSIONAL SEAL:



DRAWING TITLE:

**Storm Sewer
Details**

JOB NO: 1197 SCALE:
DATE: 04.28.2020 DRAWN BY: GBA

SHEET NO:

25

G:\12720\Civil\Production Drawings\field storm plans\12720C2200.dwg Layout: 26 Storm Sewer Details -- Tuesday April 28, 2020, 1:55pm -- Copyright 2020, George Butler Associates, Inc. Architect 00212, Professional Engineer 000133, Professional Land Surveyor 000059
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3099CGC
APPROX. WEIGHT WITH FRAME = 262.50 LBS

NYLOPLAST
DUCTILE IRON

Ø 31.87 Ø 36.00

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ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-026

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<small>REVISOR BY EBC DATE 3-13-10</small>	<small>PROJECT NO./NAME</small>	<small>NYLOPLAST</small>
<small>DWG SIZE A</small>	<small>SCALE 1:10 SHEET 1 OF 1</small>	<small>TITLE 30 IN SOLID COVER ASSEMBLY - TYPE B</small>
<small>DWG NO. 7001-110-222</small>	<small>REV C</small>	

3099CGP
APPROX. DRAIN AREA = 277.95 SQ IN
APPROX. WEIGHT WITH FRAME = 223.50 LBS

NYLOPLAST
DUCTILE IRON

Ø 31.87 Ø 36.00

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
SIZE OF OPENING MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART III, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-232

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<small>REVISOR BY EBC DATE 3-13-10</small>	<small>PROJECT NO./NAME</small>	<small>NYLOPLAST</small>
<small>DWG SIZE A</small>	<small>SCALE 1:10 SHEET 1 OF 1</small>	<small>TITLE 30 IN PEDESTRIAN GRATE ASSEMBLY</small>
<small>DWG NO. 7001-110-220</small>	<small>REV C</small>	

GBA
 1981 Renner Boulevard
 Lenexa, KS 66219
 913.492.0400
 www.gbafirm.com
 MO Certificate of Authority # 000133

LAND3 Studio, LLC
 317 SE Main
 Lee's Summit, MO 64083
 www.land3studio.com
 MO Certificate of Authority # 2008001860

Hoerr Schaudt Landscape Architects
 2100 Central Street, Suite 01C
 Kansas City, MO 64108
 816.510.0438
 www.hoerschaudt.com
 MO Certificate of Authority # 2019004088

HENDERSON ENGINEERS, Inc.
 8343 Lenexa Drive
 Lenexa, KS 66214
 913.742.5000
 www.hen-eng.com
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JOB NO: 1197 SCALE:

DATE: 04.28.2020 DRAWN BY: GBA

SHEET NO: