F-7 OUTFALL PIPE REPAIR

KANSAS CITY, KANSAS

Construction Plans for

Fairfax Drainage District
F-7 Outfall Repair

Benesch Project No. 130426.02
Kansas City, Kansas

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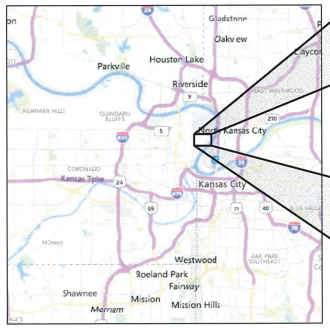
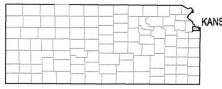


VICINITY MAP
NOT TO SCALE

PROJECT LOCATION MAP
NOT TO SCALE



PROJECT CONTACTS

OWNER:
FAIRFAX DRAINAGE DISTRICT
STEVE DAILEY, GENERAL MANAGER
1620 FAIRFAX TRAFFICWAY
KANSAS CITY, KS 66115

CIVIL ENGINEER:
ALFRED BENESCH & COMPANY
STEPHEN ROTH, PE
913-213-5159
11010 HASKELL AVE., SUITE 200
KANSAS CITY, KS

811
Know what's below.
Call before you dig.

UTILITY CONTACTS

Utility Location	Kansas One-Call System Tele: 1.800.344.7233	Cable Television	Spectrum 8221 W. 119th Street Overland Park, KS 66213 Steven Baxter Tele: 913.643.1901
Water	Board of Public Utilities 300 North 65th Street Kansas City, KS 66102 Jenny Li Tele: 913.573.9845	Sanitary and Storm Sewers	Unified Government of Wyandotte County/ Kansas City, KS Engineering Division 701 N. 7th Street Kansas City, KS 66101 Trenton Foglesong Tele: 913.573.5700
Electric	Board of Public Utilities 6742 Riverview Avenue Kansas City, KS 66102 Courtney Connor Tele: 913.573.9538		
Communications	AT&T 5400 Foxridge Drive Mission, KS 66202 Randy Gaskin Tele: 913.383.6948	Communications	Google Fiber 8615 NW Prairie View Road Kansas City, MO 64153 Stephen Schneider Tele: 913.416.9638
Permit & Right-of-Way Management	Unified Government of Wyandotte County/ Kansas City, KS Engineering Division 701 N. 7th Street Kansas City, KS 66101 John Pack Tele: 913.573.5700	Gas	Magellan Midstream Partners 1090 Sunshine Road Kansas City, KS 66115 Tonya Cape Tele: 913.310.7740
Gas	Kansas Gas Service 11401 W. 89th Street Overland Park, KS 66214 David Teefey Tele: 913.599.8933	KDHE Spill Reporting Number	Kansas Department of Health & Environment Tele: 785.296.1679
Storm Sewer	Fairfax Drainage District 1620 Fairfax Trafficway Kansas City, Kansas 66115 Stephen Dailey Tele: 913.321.2260		

RECEIVED WATER RESOURCES
APR 06 2021
KS DEPT AGRICULTURE

NO.	REVISIONS	DATE
1	SITE CONDITIONS	1/28/20

STEPHEN J. ROTH LICENSED 16797 KANSAS PROFESSIONAL ENGINEER
11/25/19

TITLE SHEET

FAIRFAX DRAINAGE DISTRICT
F-7 OUTFALL PIPE REPAIR
KANSAS CITY, KANSAS

benesch
Alfred Benesch & Company
3226 Kimball Avenue
Manhattan, Kansas 66503
Ph: 785.539.2202 Job No. - 130426.02

DRAWN BY: SV | DESIGNED BY: BC | REVIEWED BY: SR | QUANTITIES CHECKED BY: BT

PROJECT: F-7 OUTFALL REPAIR
DATE: OCTOBER 2019

SHEET NO. 1 of 6

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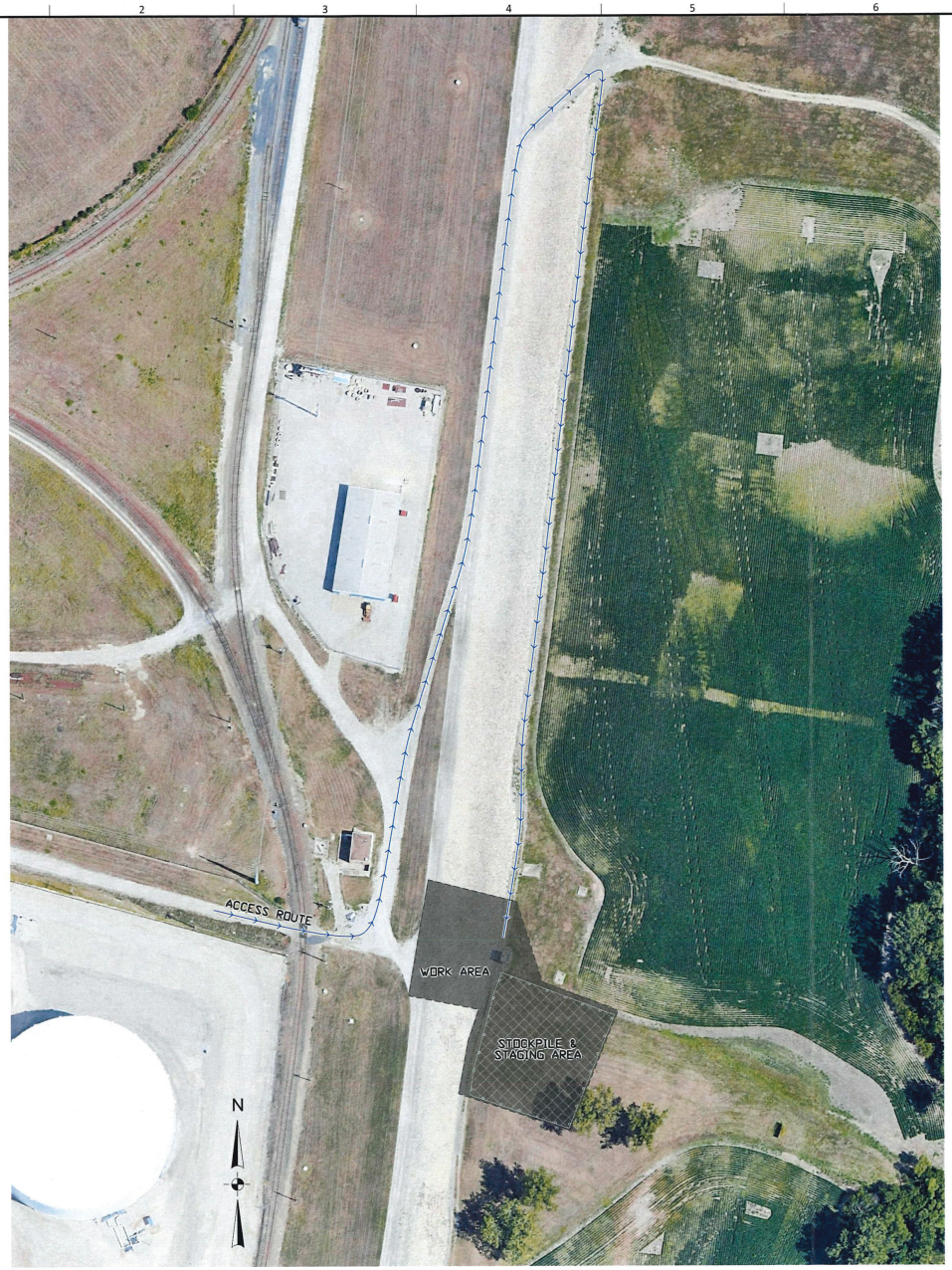

PROJECT SITE

NO SCALE

NOTES:

1. THE INFORMATION PRESENTED IN THE PLAN SET IS BASED ON THE BEST AVAILABLE INFORMATION. THE RELATIVE LOCATION OF ABOVE GROUND STRUCTURES AND GROUND SURFACE ELEVATIONS WAS COLLECTED VIA UNMANNED AERIAL VEHICLE (UAV) IMAGES AND PHOTOGRAMMETRY. UNDERGROUND UTILITIES WERE DETERMINED BASED ON AS-BUILT DRAWINGS, PREVIOUS DESIGN DOCUMENTS, AND SITE SPECIFIC KNOWLEDGE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LOCATION AND ELEVATION OF ALL EXISTING STRUCTURES, BOTH ABOVE GROUND AND BELOW.
2. ENVIRONMENTAL CONTAMINATION:
   A. SUBSURFACE AND SOIL INVESTIGATIONS HAVE NOT BEEN CONDUCTED TO IDENTIFY POTENTIAL ENVIRONMENTAL POLLUTANTS OR CONTAMINANTS. IF THE CONTRACTOR ENCOUNTERS ANY ENVIRONMENTAL POLLUTANTS, HAZARDOUS SUBSTANCES, CONTAMINATED PRODUCTS, SAMPLES OR ANY OTHER POTENTIAL OR UNIDENTIFIABLE POLLUTANTS DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER.
   B. ENVIRONMENTAL POLLUTANTS, HAZARDOUS SUBSTANCES, CONTAMINATED PRODUCTS OR UNIDENTIFIABLE POLLUTANTS SHALL NOT BE CONSIDERED TYPICAL WASTE MATERIALS AND SHALL BE HANDLED IN A MANNER REGULATED UNDER APPLICABLE ENVIRONMENTAL LAWS.
3. THE LOCATIONS AND ELEVATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO EXPOSE AND VERIFY THE LOCATION OF ALL UTILITIES WITHIN THE PROJECT LIMITS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. VERIFIED LOCATIONS AND ELEVATIONS OF UTILITIES WITHIN THE PROJECT LIMITS SHALL BE RECORDED ON THE CONSTRUCTION RECORD DRAWINGS.
4. BEFORE BEGINNING ANY CONSTRUCTION OR EXCAVATION, CALL KANSAS ONE-CALL SYSTEM AT 1-800-344-7233.
5. THE CONTRACTOR SHALL PROVIDE PROTECTION TO PREVENT UNDERMINING OR DAMAGE TO THE STRUCTURAL INTEGRITY OF ALL UTILITY POLES, FENCES, ROAD SIGNS OR OTHER ITEMS THAT PARALLEL OR CROSS THE SITE, AND MAKE ARRANGEMENTS WITH THE OWNING ENTITY TO PROVIDE TEMPORARY SUPPORT OR PROTECTION DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE STEPS TO MAINTAIN CONTINUOUS SERVICE OF UTILITIES.
7. THE CONTRACTOR SHALL PROVIDE CONTINUOUS PROTECTION AGAINST THE ENTRANCE OF DRAINAGE INTO EXCAVATIONS, BORE HOLES, BORE PITS AND INSTALLED PIPES.
8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS THROUGHOUT THE CONSTRUCTION PERIOD. INTERRUPTION OF SUCH ACCESS WILL BE PERMITTED ONLY DURING THOSE LIMITED PERIODS OF TIME DESCRIBED IN THE SPECIFICATIONS.
9. THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF, OFF SITE: FENCING, PAVEMENT, CURB AND GUTTER, MANHOLES, STORM INLETS AND RELATED PIPING AS CALLED FOR ON THE PLANS. RESTORE ALL DISTURBED OR DAMAGED ITEMS TO ORIGINAL OR BETTER CONDITION.
10. △1 CONTRACTOR SHALL MONITOR THE EMBANKMENT DURING CONSTRUCTION FOR SIGNS OF UNSTABLE SLOPES. INSTABILITY WILL REPORTED IMMEDIATELY TO THE OWNER.
11. △1 CONTRACTOR SHALL FILL VOID SPACE BETWEEN THE INNER WALL OF THE CASING PIPE AND OUTER WALL OF THE 66" CMP WITH FLOWABLE FILL USING GRAVITY INDUCED FLOW IN AT LEAST TWO POURS, FILLING THE BOTTOM TO THE SPRING LINE FIRST AND ALLOWING TIME TO CURE BEFORE FILLING THE REMAINING SPACE.

RECEIVED WATER RESOURCES
APR 06 2021
KS DEPT AGRICULTURE

NO.	REVISIONS	DATE
△1	SITE CONDITIONS	1/28/20

STEPHEN J. ARATA LICENSED 16787 KANSAS PROFESSIONAL ENGINEER
11/25/19

GENERAL NOTES, QUANTITIES, & SITE MAP

FAIRFAX DRAINAGE DISTRICT
F-7 OUTFALL PIPE REPAIR
KANSAS CITY, KANSAS

benesch
Alfred Benesch & Company
2020 Kansas Avenue
Manhattan, Kansas 66503
Ph: 785.539.2202 Job No. - 130426.02

DRAWN BY: JW | CHECKED BY: SC | APPROVED BY: SA | QUANTITIES VERIFIED BY: BT

PROJECT: F-7 OUTFALL REPAIR
DATE: OCTOBER 2019

SHEET NO. 2 of 6

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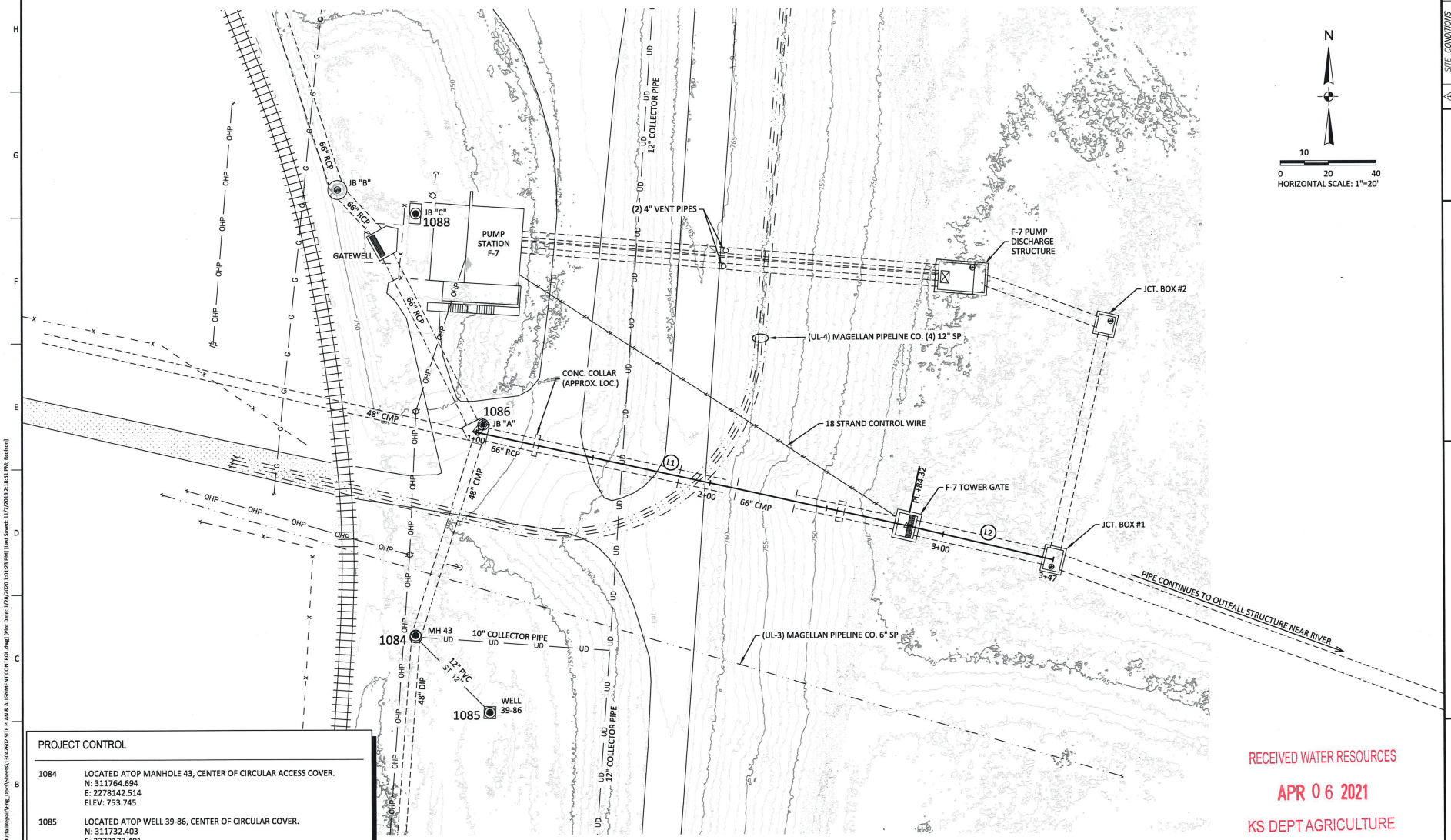

PROJECT CONTROL

1084	LOCATED ATOP MANHOLE 43, CENTER OF CIRCULAR ACCESS COVER. N: 311764.694 E: 2278142.514 ELEV: 753.745
1085	LOCATED ATOP WELL 39-86, CENTER OF CIRCULAR COVER. N: 311732.403 E: 2278173.401 ELEV: 754.860
1086	LOCATED ATOP JB-A, CENTER OF RECTANGULAR OPERABLE ACCESS COVER. N: 311852.641 E: 2278170.944 ELEV: 753.564
1086	LOCATED ATOP JB-A, CENTER OF RECTANGULAR OPERABLE ACCESS COVER. N: 311940.712 E: 2278143.062 ELEV: 754.758

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ALIGNMENT CONTROL

LINE NO.	LENGTH	DIRECTION	BEGIN COORDINATES	END COORDINATES	BEGIN STATION	END STATION
L1	184.32	S77° 35' 26.19"E	N: 311849.40 E: 2278168.05	N: 311809.79 E: 2278348.07	1+00.00	2+84.32
L2	62.79	S76° 38' 57.99"E	N: 311809.79 E: 2278348.07	N: 311795.29 E: 2278409.16	2+84.32	3+47.12

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STEPHEN J. ROTH LICENSED 16797 KANSAS PROFESSIONAL ENGINEER
11/25/19

SITE PLAN, ALIGNMENT CONTROL, & PROJECT CONTROL

FAIRFAX DRAINAGE DISTRICT F-7 OUTFALL PIPE REPAIR

KANSAS CITY, KANSAS

benesch
Alfred Benesch & Company
3226 Kimball Avenue
Manhattan, Kansas 66503
Ph: 785.539.2202 Job No. - 130426.02

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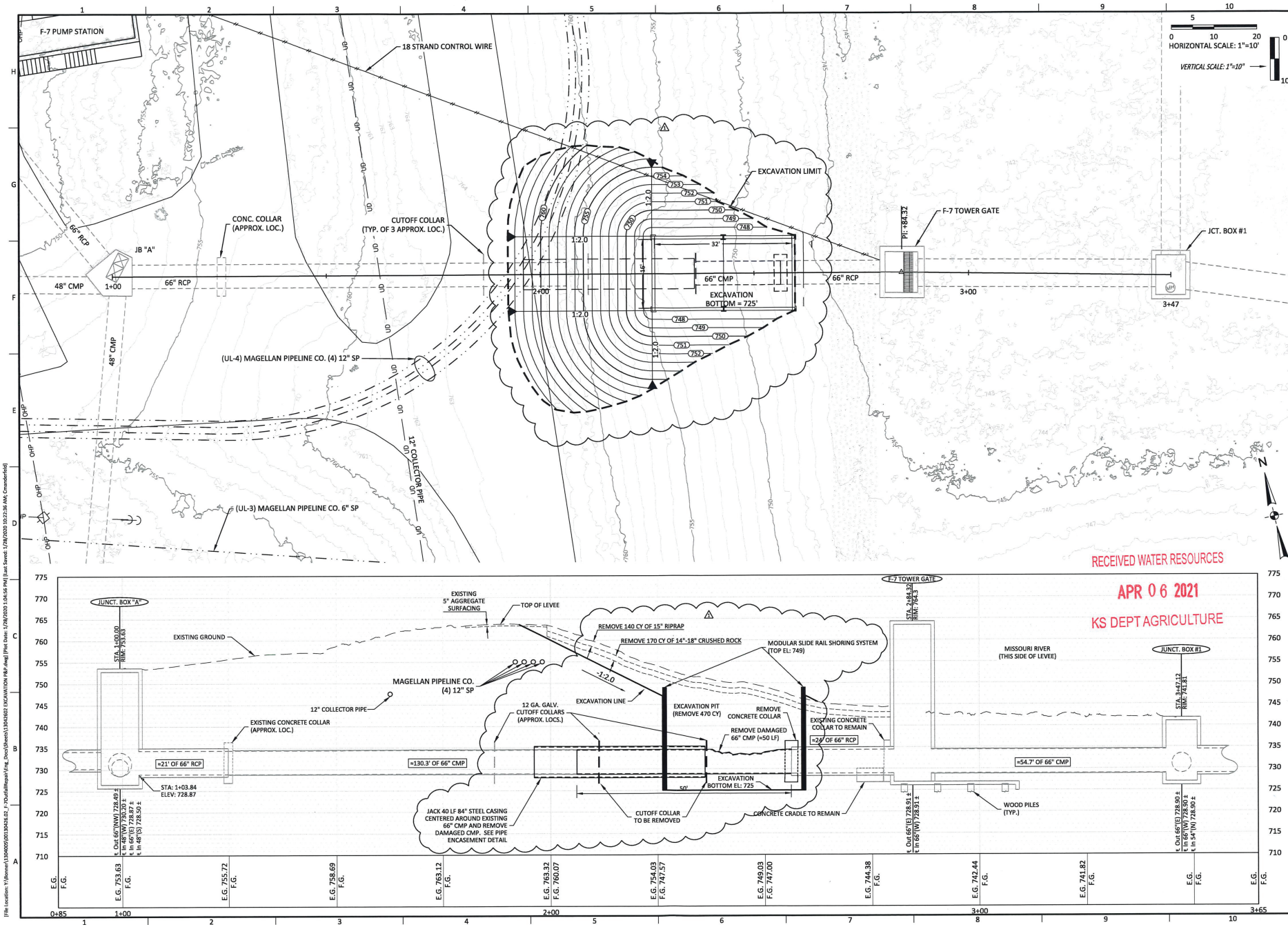
SHEET NO. 3 of 6

[File Location: Y:\Bonner\130400S\00130426.02_F-7OutfallRepair\Eng_Docs\Sheets\13042602 SITE PLAN & ALIGNMENT CONTROL.dwg] [Plot Date: 1/28/2020 1:01:23 PM] [Last Saved: 11/7/2019 2:18:51 PM; Rcolson]



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EXCAVATION PLAN & PROFILE

FAIRFAX DRAINAGE DISTRICT F-7 OUTFALL PIPE REPAIR

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SHEET NO. 4 of 6

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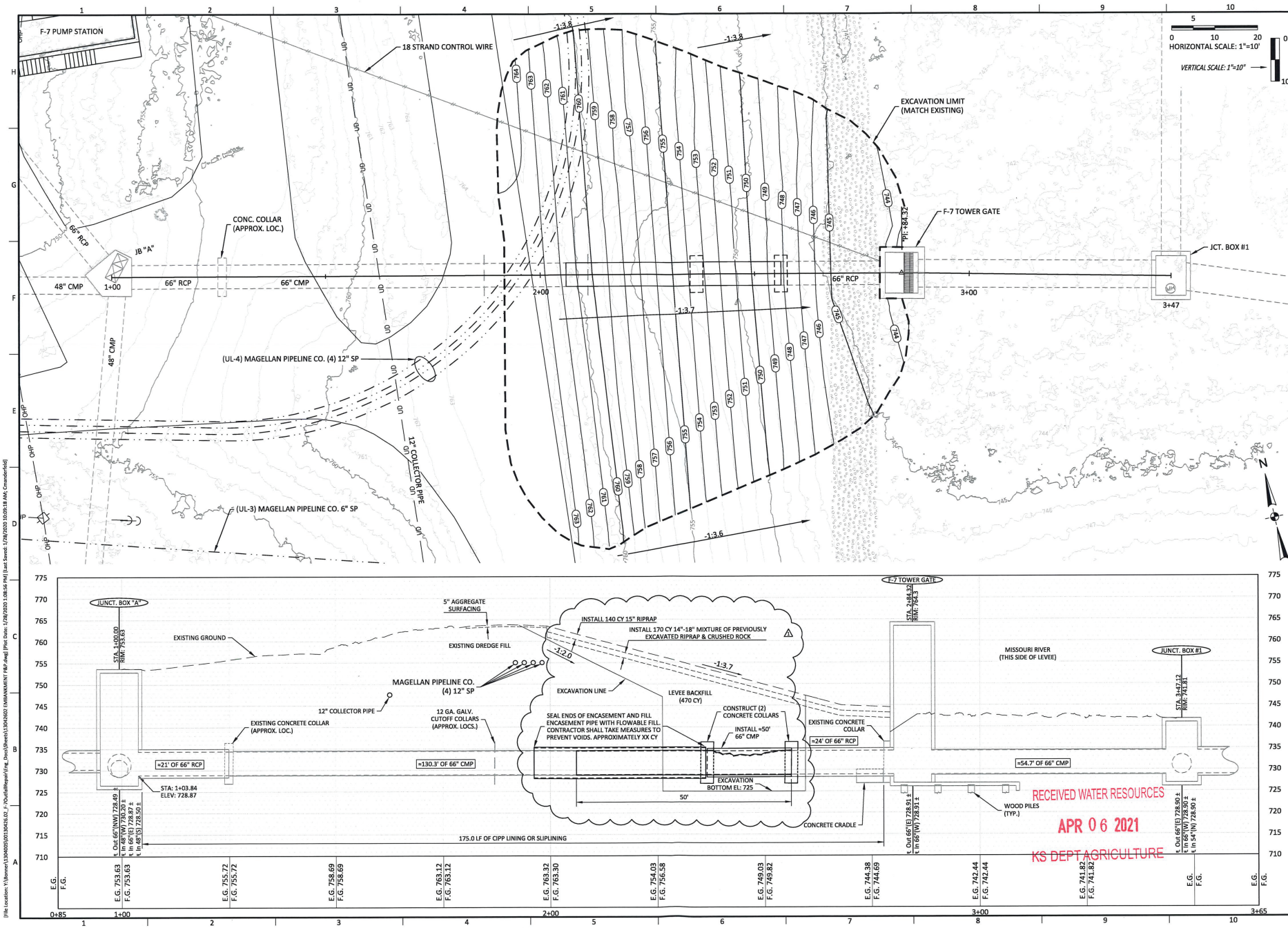

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STEPHEN J. ROTH LICENSED 16797 KANSAS PROFESSIONAL ENGINEER
11/25/19

EMBANKMENT PLAN & PROFILE

FAIRFAX DRAINAGE DISTRICT F-7 OUTFALL PIPE REPAIR

KANSAS CITY, KANSAS

benesch
Alfred Benesch & Company
3226 Kimball Avenue
Manhattan, Kansas 66503
Ph: 785.539.2202 Job No. - 130426.02

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PROJECT: F-7 OUTFALL REPAIR
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SHEET NO. 5 of 6

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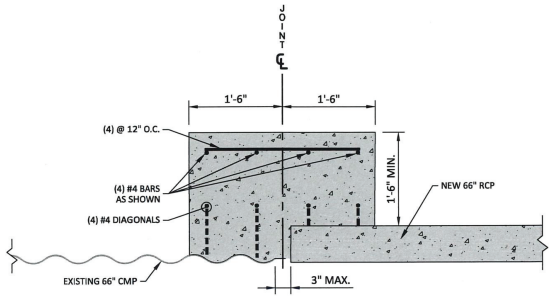
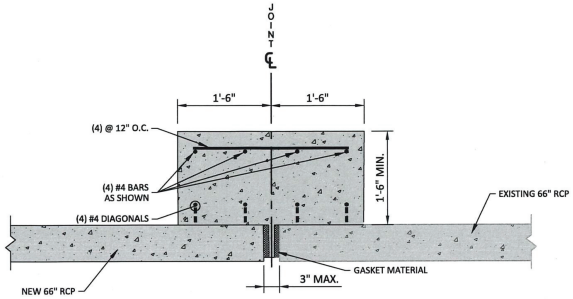
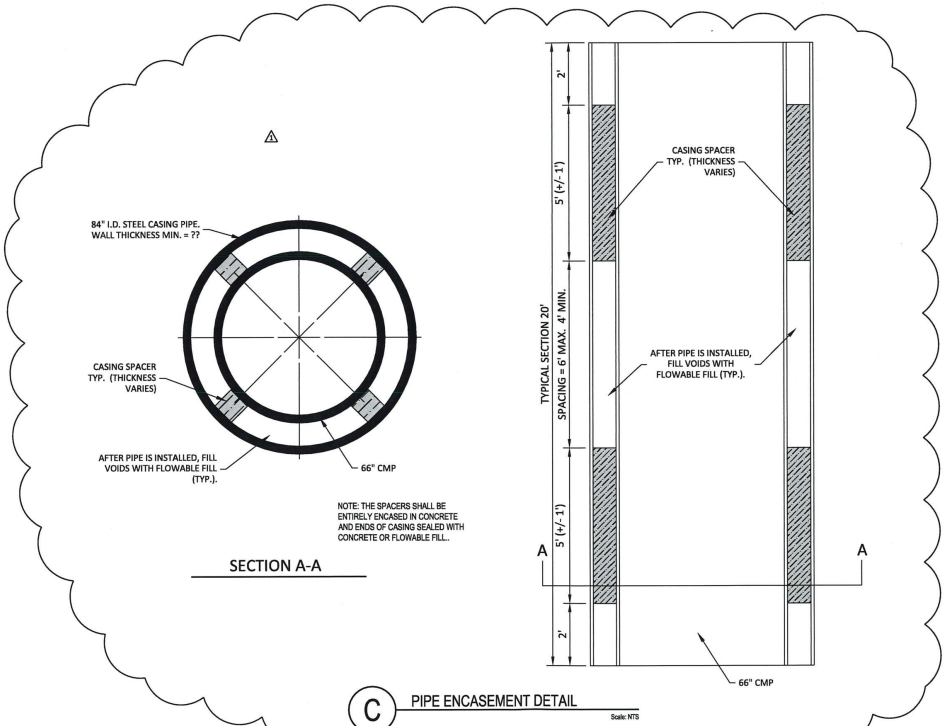


A CONCRETE COLLAR - CMP/RCP
Scale: NTS



B CONCRETE COLLAR - RCP/RCP
Scale: NTS



C PIPE ENCASEMENT DETAIL
Scale: NTS

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STEPHEN J. ROTH
LICENSED
16797
KANSAS
PROFESSIONAL ENGINEER
11/25/19

DETAILS

FAIRFAX DRAINAGE DISTRICT
F-7 OUTFALL PIPE REPAIR

KANSAS CITY, KANSAS

benesch
Alfred Benesch & Company
3226 Kimball Avenue
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SHEET NO. 6 of 6

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