





Construction Engineering Division  
 1801 S. McLean Blvd., Suite B  
 Wichita KS, 67213  
 (316) 268-4027

### Inspector Check List

**Project Description:** Equus Wellfield Spurline Replacements Phase III  
**Project No./OCA No.:** Equus Beds Wellfield  
**Field Book No.** DS009/DS010  
**Project Completion Date:** 4/27/2023  
**Final Acceptance Date:** 5/5/2023

**Date:** 5/10/2023  
**Inspector:** Daniel Swinger  
**Contractor:** Dondlinger & Sons Construction Co., Inc.  
**Superintendent:** Tim Helten  
**Consultant:** Wood

CONCRETE PAVEMENT	STORM SEWER AND MANHOLES	BRIDGE CONSTRUCTION
JOINT SEAL	MANHOLE ELEVATIONS	LATEX JOINT SEALANT
EXPANSION JOINT	TRIM PIPE IN STRUCTURE	PAINT ACCEPTABLE
RANDOM CRACKING	MATERIAL CERTIFICATIONS	SET BENCHMARKS
SURFACE MARRING	VISUAL WALK-THRU	LOCATE ABUTMENT DRAINS
POSITIVE DRAINAGE	DEBRIS IN PIPE / STRUCTURE	EXPANSION MATERIAL
JOINT SAWING	TRENCH SETTLEMENT	OTHER:
BACKER ROD INST.	INVERTS	
CONCRETE SLOBBERS	TESTING	
OTHER:	OTHER:	<b>IRRIGATION CONSTRUCTION</b>
		GRADING
		SWING JOINTS
<b>ASPHALT PAVEMENT</b>	<b>SANITARY SEWER AND MANHOLES</b>	TRENCH SETTLEMENT
SURFACE CRACKS	PROPER RING AND LID	AIR TEST
SEGRAGATION/MARRING	MANHOLE ELEVATIONS	ELEVATION OF BOXES
TIE-IN TO EXISTING AREAS	INVERTS	OTHER:
LOOSE ASPH. AT HI-EDGE	TRIM PIPE IN STRUCTURE	
OTHER:	TRENCH SETTLEMENT	
	AIR AND TV TESTING	<b>SITE RESTORATION</b>
	VACUUM TESTING	LANDSCAPE ITEMS
<b>CURB AND GUTTER</b>	REMOVAL OF FORMS	GRADE R/W AND EASEMENT
BROKEN / CRACKED AREAS	FIELD CAP	IRONS AND MONUMENTS
WATERHOLES/GRIND AREAS	PAINT OR COATING OF MANHOLE	REMOVE TEMPORARY SIGNING
TRIM EXPANSION MTL.	OTHER:	EROSION CONTROL
GENERAL APPEARANCE		CHANNEL SLOPE AND GRADE
REMOVAL OF FORMS		OTHER:
SAW AND SEAL JOINTS	<b>STRUCTURES AND INLETS</b>	
BACKFILL	RING AND LID TO GRADE	
OTHER:	FIELD PAINTING	<b>WATER LINE CONSTRUCTION</b>
	INVERTS	AS-BUILTS
	REMOVAL OF FORMS	HYDRANT LOCATION AND ELEV.
<b>DRIVES AND VALLEY GUTTERS</b>	DEBRIS AND DIRT IN STRUCTURE	TRENCH SETTLEMENT
CALCULATION SHEETS	GROUTING-LIDS, WALLS, ETC.	SAMPLES / WATER QUALITY
SURFACE MARRING	RANDOM CRACKING	PROPER KEY ACCESS
POSITIVE DRAINAGE	RIP-RAP PLACED AND GROUTED	PRESSURE TEST
ACCEPTABLE % OF GRADE	OTHER:	RESTORATION AND SETTLEMENT
RANDOM CRACKING		ROTATE HYDRANT CORRECTLY
TRIM EXPANSION MTL.		OTHER:
SAW & SEAL JOINTS	<b>SIGNALS / SIGNS / PAVEMENT MARKING</b>	
DRIVEWAY REQUEST FORMS	TEARS IN PAVEMENT MARKING	
HOOK-UPS TO EXISTING AREAS	PROPER HARDWARE: SIGNS	<b>MISCELLANEOUS ITEMS</b>
REMOVAL OF FORMS	DETECTOR LOOPS SEALED	
OTHER:	J-BOX SECURED AT GRADE	
	ADJUST SERVICE BOXES	
	TIE WIRES AND SECURE IN MH'S	
<b>SIDEWALK AND WHEELCHAIR RAMP</b>	CUT BACK CONDUIT	
EXPANSION MATERIAL	PRE-OPERATION BY TRAF. ENG.	
GENERAL APPEARANCE	TRENCH SETTLEMENT	
REMOVAL OF FORMS	OTHER:	
CONCRETE SLOBBERS		
RANDOM CRACKING		
WATER HOLES		
BACKFILL		
OTHER:		

Indicate with 'X'  
 WHITE CARDS SUBMITTED 

x
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 \* DEFECTS 

x
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 \* PLAN REVIEW 

x
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 \* SEE BACKSIDE FOR INFO.



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## Consultant Evaluation

<b>Consultant:</b>	Wood
<b>Project name:</b>	Equus Wellfield Spurline Replacements Phase III
<b>Project number:</b>	448-2022-006890

**1. Surveyor's comments:** **Survey Crew Chief:** Bryce Kissinger

- a. Did the consultant provide accurate & adequate Horizontal & Vertical Control?  Were coordinate points and bench marks labeled accurately for project layout?  Were electronic coordinate files provided and were they complete to provide everything needed for stake out?  Explain below:

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- b. Curvature information - Were curve tables provided and did the calculations check out for project lay-out?

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- c. Plan & Profile Views - Did elevations and call-outs match both views and were percent grades correct?

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- d. Were existing street, structure, manhole tops & flowline grades accurate?  Explain below:

**2. Inspector's comments** **Project Inspector:** Daniel Swinger

- a. Did the plans have a title sheet and page index that numbered pages correctly?  Yes Was cross hatching and shading used to aid in the visualization of related work activities?  Yes Were plan notes and call-outs legible to aid in construction?  Yes Explain any format issues below:  
There were no format issues

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- b. Were the plan notes relevant for construction operations and did they accurately reflect your needs for construction?  Yes Explain below:  
Plans were missing well house small diameter piping to be restored.

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- c. Were the typical sections used in the plans current and convey accurate information for construction?  Yes

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- d. Did cross-sections provide earthwork calculations?  N/A Could accurate calculations be taken off them?  N/A  
Earthwork was not associated with this project.





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## Plan Deviations/Changes

**Project Name:** Equus Wellfield Spurline Replacements Phase III  
**Project Location:** Equus Beds Wellfield  
**Project No:** 448-2022-006890  
**MUNIS No:** W9022 / 54254519  
**Contractor:** Dondlinger & Sons Construction Co., Inc.  
**Inspector:** Daniel Swinger

### Description of changes made from the plans during construction

Tie in at location M39 was located 3 feet further north than plan location, 3 LF of additional 16" PVC was used.

At M39/M40 plans show 3 Water Supply Signs but only 1 accounted for on planned quantity, 3 installed and paid for.

Tie in location for M33 differed from plan. Final 8 LF of 12" DICL was not installed and substituted to 18 LF of 12" PVC.

Tie in location for M28 was located further northeast than plan located resulting in these changes: 6 LF of additional 16" RJ PVC pipe used. 2" combination air valve at M28 relocated from Sta.60+32 to 60+18, 11.25\* bend moved from Sta. 60+16 to 60+28.

At M28, 28LF of additional fence was removed and replaced to accomodate bore pit at eastern end of well house property.

At M28, bore casing was extended 2 LF (for a total of 50 LF) due to nature of product used (10 LF standard length).

Flex coupling and Wafer Check Valve added and placed at all well houses.

Pressure Transmitters and associated wiring/installation not performed by contractor. COW ASR staff to install.

Small diameter (2") piping added inside each well house for sampling and injection as part of ASR activities added.

Grouting and patching of voids left from cutting existing brick added to all well houses.

Silt fence within farmed properties was not installed due to property owner/operator conflicts.

At M27, 15 LF of gravel drive not paid for as driveway was undisturbed.



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## Incomplete/Punchlist/Defects

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### Explain any defects or work that needs to be done below

All items apply to all well house locations:

Stone, bricks, concrete and other construction debris remain in seeded area. To be cleaned.

Tie wires and anchor holes within masonry to be patched.

Minor leaks in small diameter piping at various locations to be checked and repaired.

Voids in existing brick due to wall removal to be grouted.