

**BID PROPOSAL**

**SEVENTH STREET SEWER REPAIR PROJECT  
Tuttle, OK**

The undersigned bidder, in compliance with your request for bids for the repair at the above project, having examined specifications, and related documents, hereby proposes to furnish the labor as described in the specifications. These prices are for all specified labor and other charges.

Contract Price: \$ \_\_\_\_\_

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/ZIP: \_\_\_\_\_

Telephone: \_\_\_\_\_

Date: \_\_\_\_\_

Email: \_\_\_\_\_

**ANTICOLLUSION AFFIDAVIT TO ACCOMPANY BID**

STATE OF Oklahoma )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_, of lawful age, being first duly sworn, on oath says that (s)he is the agent authorized by the Bidder to submit the attached bid. Affiant further states that the Bidder has not been party to any collusion among Bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding or with any City official or employee as to quantity, quality or price in the prospective Contract, or other terms of said prospective Contract or in any discussions between Bidders and any City official concerning exchange of money or other thing of value for special consideration in the letting of a Contract.

\_\_\_\_\_  
Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary

My Commission Expires:  
\_\_\_\_\_

**BUSINESS RELATIONSHIPS AFFIDAVIT TO ACCOMPANY BID**

STATE OF Oklahoma )

) SS:

COUNTY OF \_\_\_\_\_ )

\_\_\_\_\_, of lawful age, being first duly sworn, on oath says that (s)he is the agent authorized by the Bidder to submit the attached bid. Affiant further states that the nature of any partnership, joint venture, or other business relationship presently in effect or which existed within one (1) year or other party to the project is as follows:

Affiant further states that any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director the bidding company and any officer or director of the architectural or engineering firm or other part of the project is as follows:

Affiant further states that the names of all persons having any such business relationship and the position they hold with their respective companies or firms are as follows:

(If none of the business relationships hereinabove mentioned exist, Affiant should so state.)

\_\_\_\_\_

Subscribed and sworn to before me this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary

My Commission Expires:

\_\_\_\_\_



**CONTRACTOR IDENTIFICATION NUMBERS**

*(This form is to be completed and submitted with the Contract)*

Project Name & Description:

\_\_\_\_\_.

Name of Contractor:

\_\_\_\_\_.

Pursuant to the Rules and Regulations of the Commissioner of Labor issued under the Oklahoma Minimum Wage on Public Works Act (40 O.S. Section 196.2), Contractor provides the following Identification Numbers:

OklahomaTax Commission \_\_\_\_\_

OklahomaEmploymentSecurityCommission \_\_\_\_\_

InternalRevenueService \_\_\_\_\_

Social  
Security Administration \_\_\_\_\_

Contractor is reminded that no contractor or subcontractor may be employed on this project who is listed by the Commissioner of Labor as ineligible to bid on or be awarded a public works contract. A list of ineligible contractors may be obtained from the Commissioner of Labor.

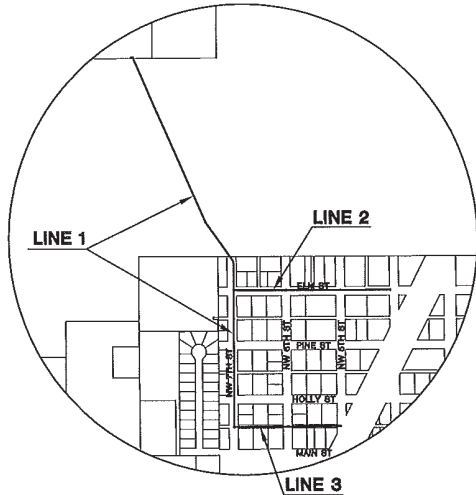
PLAN AND PROPOSED  
**7TH STREET SANITARY SEWER**  
 IN  
**CITY OF TUTTLE**  
 GRADY COUNTY, OKLAHOMA

**PRELIMINARY**  
 NOT FOR CONSTRUCTION  
 DATE: OCTOBER 6, 2011

**MKEC**  
 ENGINEERING  
 CONSULTANTS, INC.  
 1000 W. WILSHIRE, STE 401  
 OKLAHOMA CITY, OK 73116  
 405.584.2100 • 405.584.2101  
 W.W.M.K.E.C. CO. INC.  
 CA-2558 EIP-6-30-11

**GENERAL NOTES**

1. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:  
 CALL OKIE (600) 522-6543
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
3. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN URSUITY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE THE NECESSARY PERMITS. ANY MATERIAL BURIED OR STOCKPILED BEYOND STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BORED IN A PREVIOUSLY APPROVED BORROW LOCATION.
5. COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
6. CONSTRUCTION STAKING AND TESTING SHALL BE PROVIDED BY THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REPLACEMENT AND/OR REPAIR OF ALL TRAFFIC CONTROL DEVICES AND APPURTENANCES DAMAGED OR DISTURBED DUE TO CONSTRUCTION.
8. A COPY OF THE EROSION CONTROL SITE PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
10. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING CONSTRUCTION OF THIS PROJECT MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.



SUMMARY OF QUANTITIES						
ITEM#	ITEM	UNIT	LINE 1	LINE 2	LINE 3	TOTAL
1.	STANDARD 4' DIA. SANITARY MANHOLE	EA	9	3	2	14
2.	EXTRA DEPTH MANHOLE 4' DIA.	VF	14	2	3	19
3.	8" SANITARY SEWER	LF	0	1050	711	1,761
4.	12" SANITARY SEWER	LF	2633	0	0	2,633
5.	TRENCHING 0' TO 10'	LF	2633	1050	711	4,394
6.	12" PLUG	EA	1	0	0	1
7.	SANITARY SEWER SERVICE RECONNECT	EA	5	11	10	26
8.	TELEVISION INSPECT EXIST. LINES (VIDEO)	LF	2633	1050	711	4,394

**SHEET INDEX**

SHEET NO.	DESCRIPTION
1	OVERALL TITLE SHEET
2	OVERALL MAP
3-5	PLAN & PROFILE LINE 1
6	PLAN & PROFILE LINE 2
7	PLAN & PROFILE LINE 3

CONVENTIONAL SYMBOLS	
--- -- ---	SECTION LINES
— — — — —	PROPOSED ROAD
— RW —	RIGHT-OF-WAY LINES - NEW
— PRES. RW —	RIGHT-OF-WAY LINES - EXISTING
— X — X —	FENCES
— OHE —	OVERHEAD ELECTRIC LINES
— OHT —	OVERHEAD TELEPHONE LINES
— SS —	SANITARY SEWERS
— C —	GAS LINES
— W —	WATER LINES
— UGT —	UNDERGROUND TELEPHONE LINES
— TV —	CABLE TELEVISION LINES
— UGE —	UNDERGROUND ELECTRIC
— TV —	UNDERGROUND CABLE TELEVISION LINES
— S — S —	STORM SEWER
— O —	EXISTING SANITARY SEWER MANHOLE
— BM —	EDGE OF TREES
— BM —	BENCHMARK

REVIEWED BY: \_\_\_\_\_

CITY ENGINEER \_\_\_\_\_

DATE: \_\_\_\_\_



**7TH ST SANITARY SEWER**  
**CITY OF TUTTLE**  
**GRADY COUNTY, OKLAHOMA**

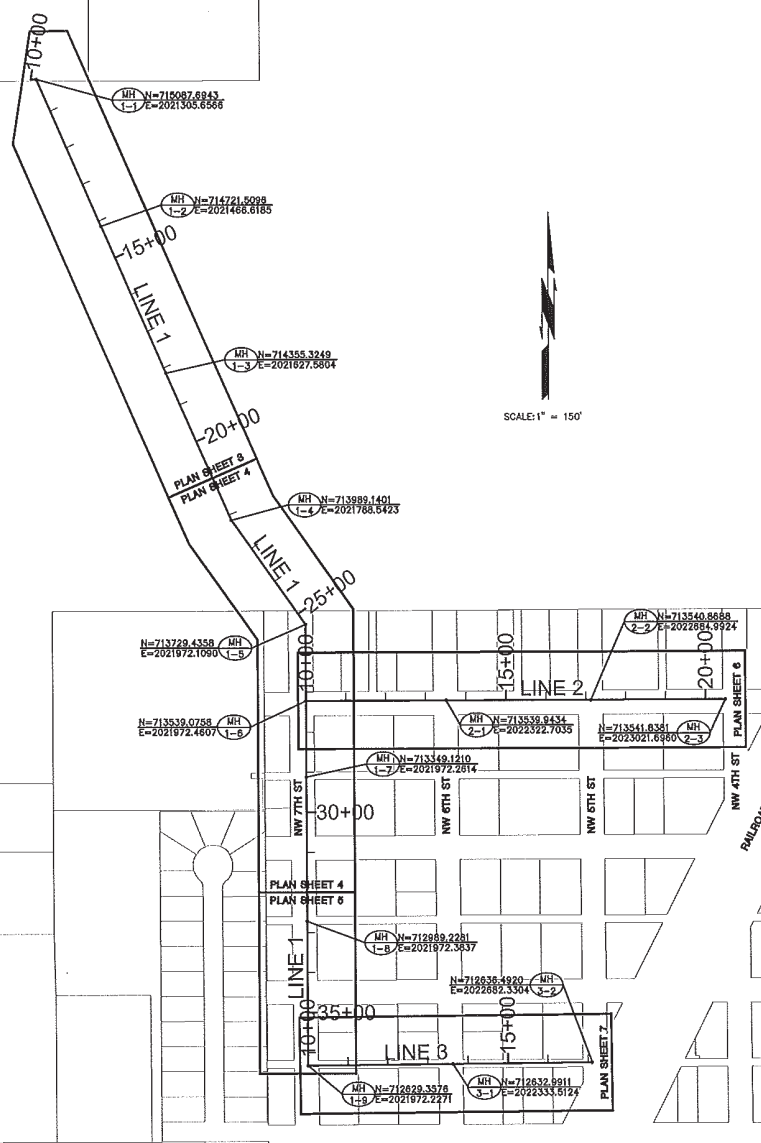
**OVERALL TITLE SHEET**  
 SHEET TITLE  
**09145 PH 1700**  
 PROJECT NUMBER

**SKF / SKF / JDC**  
 DESIGNED / DRAWN / CHECKED

ISSUED  
**October 2011**  
 REVISED

SHEET NO.  
**1 of 8**

DATE PLOTTED: 10/24/11 10:58 AM

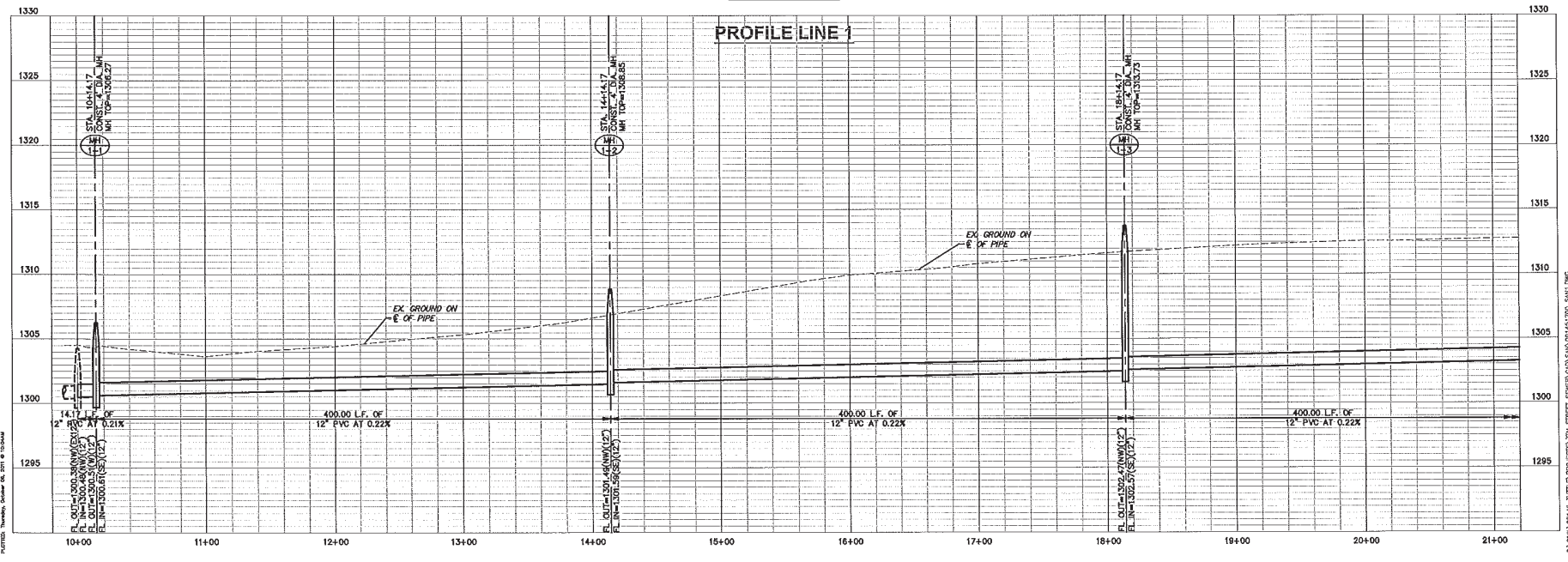
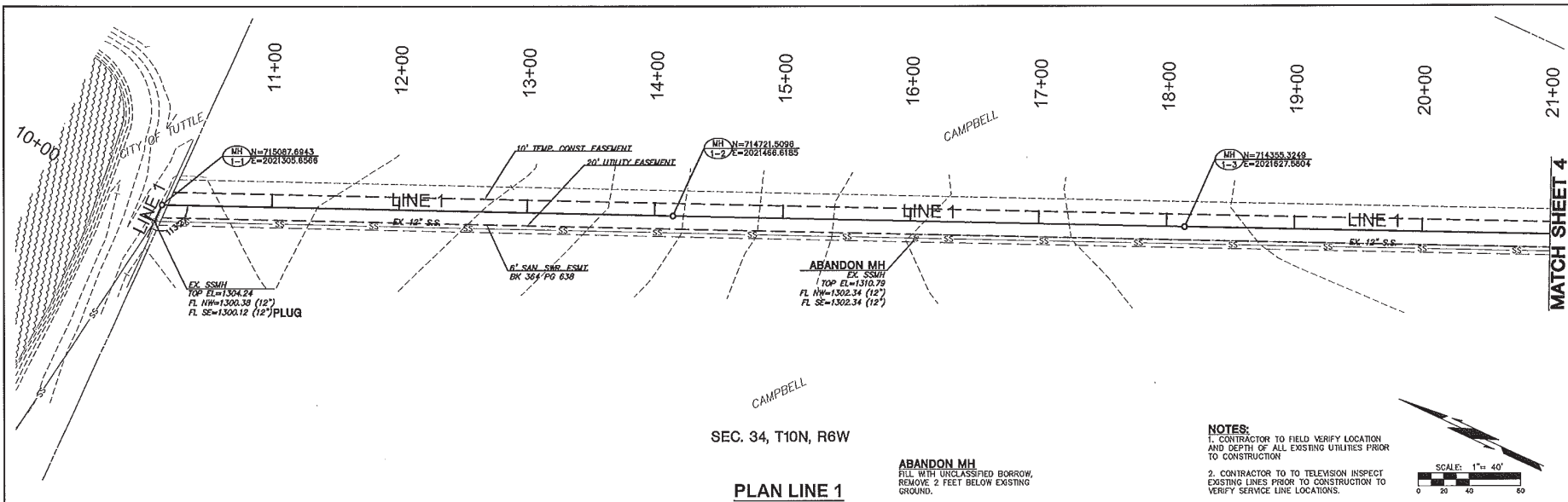


**MKEC**  
ENGINEERING  
CONSULTANTS, INC.  
1000 W. WILSHIRE, SUITE 401  
OKLAHOMA CITY, OK 73116  
405.842.1838  
WWW.MKEC.COM  
CA-2358 EXP. 6-30-11

**7TH ST SANITARY SEWER**  
**CITY OF TUTTLE**  
**GRADY COUNTY, OKLAHOMA**

<b>OVERALL MAP</b>	
SHEET TITLE	09145 PH 1700
PROJECT NUMBER	
SKF / SKF / JDC	DESIGNED / DRAWN / CHECKED
ISSUED	October 2011
REVISED	
SHEET NO.	
2 of 8	

SCALE: 1" = 150' (SEE PROJECT VPI SHEET) ENGINEER: CAY SANBORN, P.E. SAN MAP 09C



**MKEC**  
 ENGINEERING  
 CONSULTANTS, INC.

1000 W. WILSHIRE, SUITE 401  
 OKLAHOMA CITY, OK 73116  
 405-842-9558  
 W.W.M.K.E.C.O.A.  
 CA-2958 23P-6-30-11

**MATCH SHEET 4**

**7TH ST SANITARY SEWER**  
**CITY OF TUTTLE**  
**GRADY COUNTY, OKLAHOMA**

**PLAN & PROFILE LINE 1**

SHEET TITLE  
 PROJECT NUMBER  
 09145 PH 1700

SKF, SKF / JDC  
 DESIGNED DRAWN CHECKED

ISSUED October 2011  
 REVISED

SHEET NO.  
**3 of 8**

PLOTTED: Thursday, October 06, 2011 8:03:00 AM

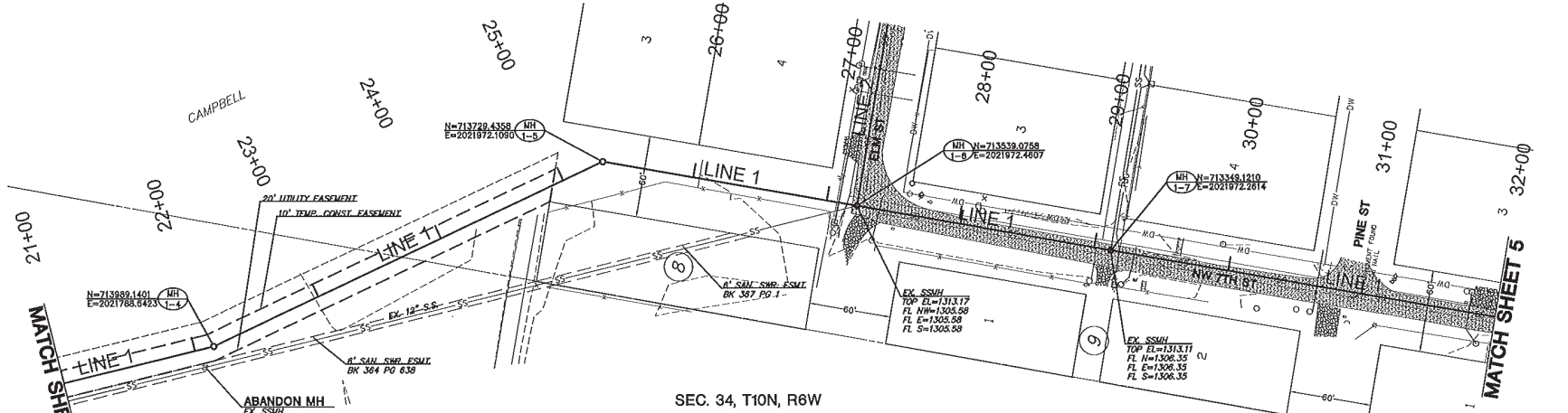
**7TH ST SANITARY SEWER  
CITY OF TUTTLE  
GRADY COUNTY, OKLAHOMA**

**PLAN & PROFILE  
LINE 1 (CONT.)**  
SHEET TITLE  
09145 PH 1700  
PROJECT NUMBER

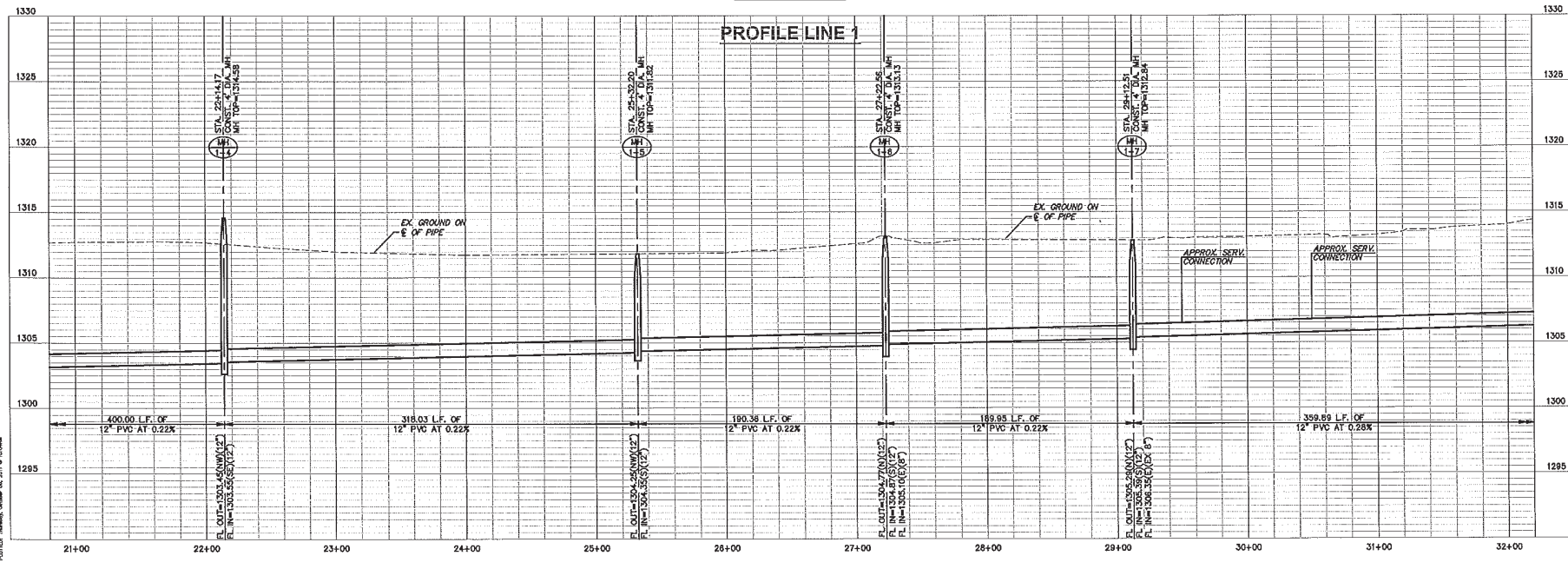
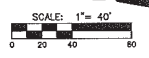
SKF / SKF / JDC  
DESIGN DRAWN CHECKED

ISSUED  
October 2011  
REVISED

SHEET NO.  
**4 of 8**



- NOTES:**
- CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO TELEVISION INSPECT EXISTING LINES PRIOR TO CONSTRUCTION TO VERIFY SERVICE LINE LOCATIONS.



10/10/10 10:00 AM, October 10, 2011 @ 10:00 AM

C:\WORK\09145 PH 1700\PROJECTS\7TH STREET SANITARY SEWER\DWG\09145 PH 1700 SANITARY

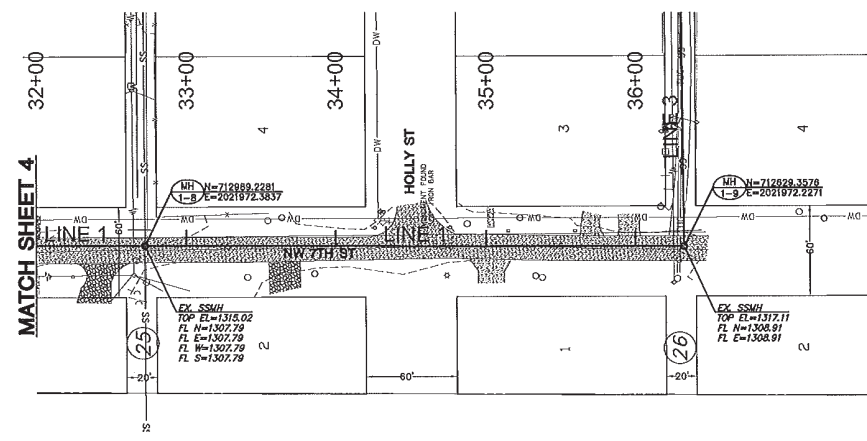
**7TH ST SANITARY SEWER  
 CITY OF TUTTLE  
 GRADY COUNTY, OKLAHOMA**

**PLAN & PROFILE  
 LINE 1 (CONT.)**  
 SHEET TITLE  
**09145 PH 1700**  
 PROJECT NUMBER

**SKF / SKF / JDC**  
 DESIGNED / DRAWN / CHECKED

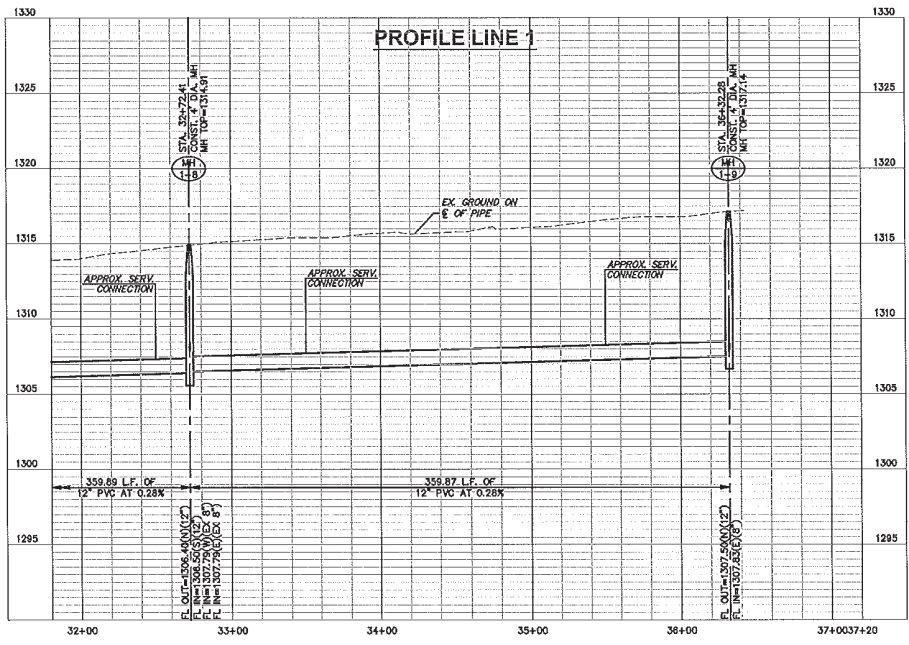
ISSUED  
**October 2011**  
 REVISED

SHEET NO.  
**5 of 8**

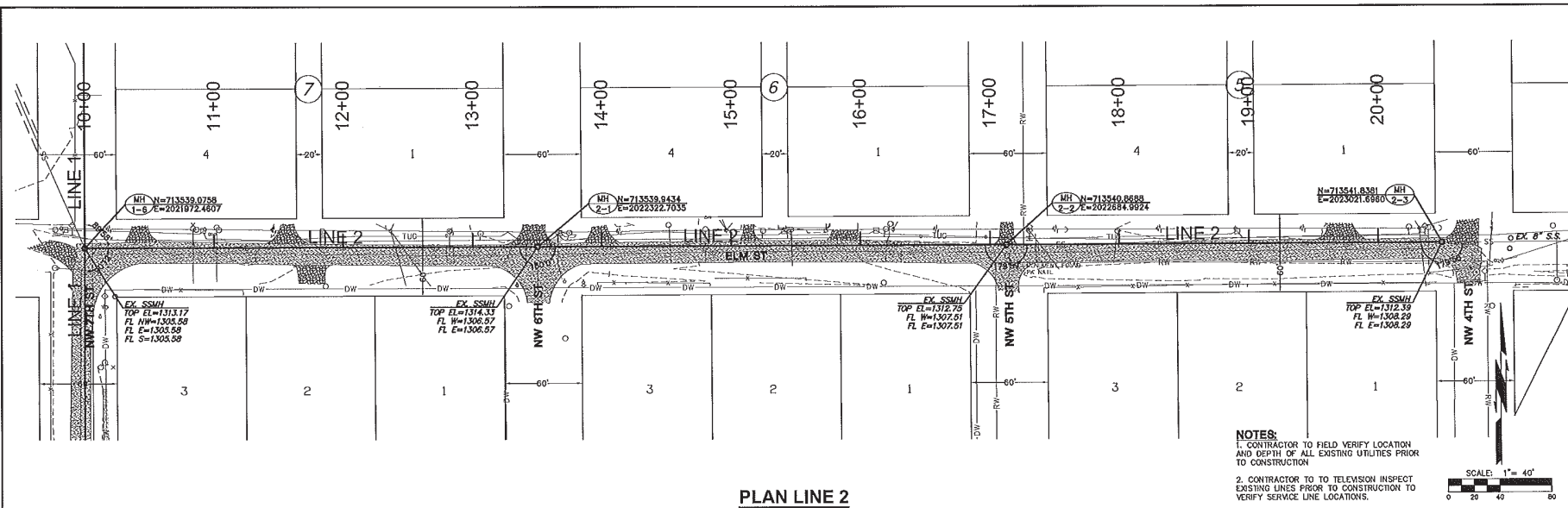


- NOTES:**
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  - CONTRACTOR TO TELEVISION INSPECT EXISTING LINES PRIOR TO CONSTRUCTION TO VERIFY SERVICE LINE LOCATIONS.

**PLAN LINE 1**

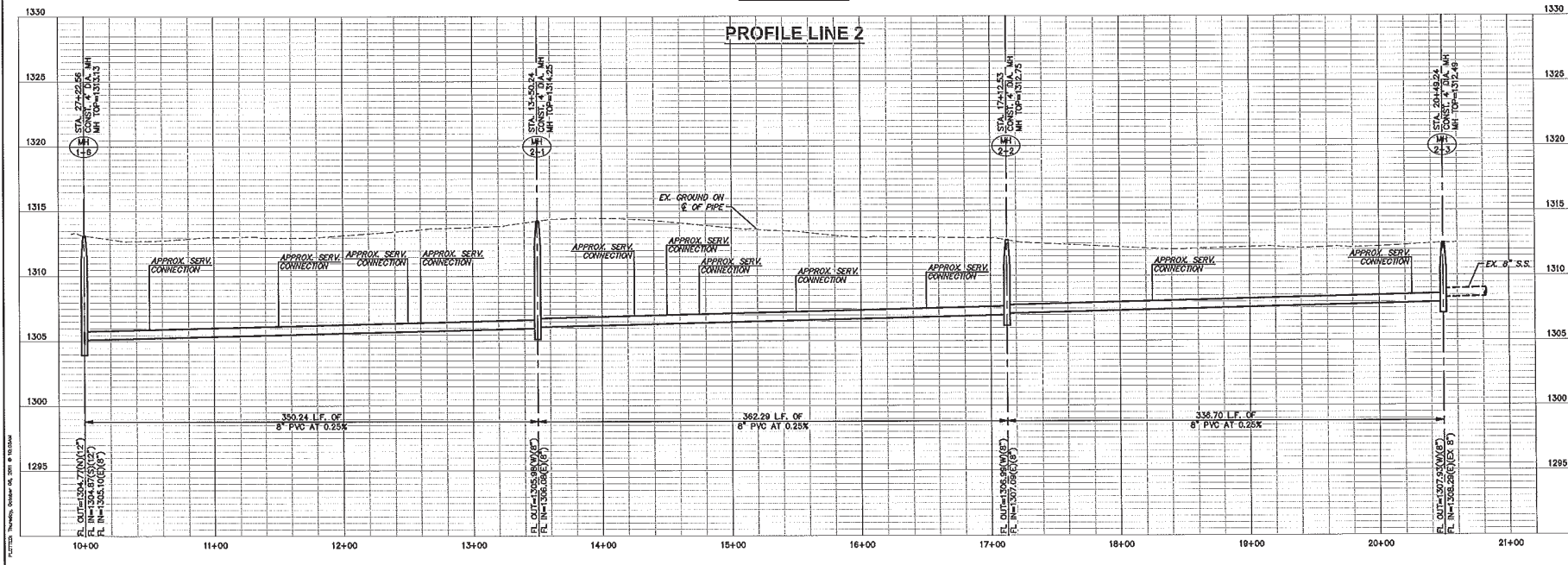


**PROFILE LINE 1**



PLAN LINE 2

NOTES:  
 1. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR TO TELEVISION INSPECT EXISTING LINES PRIOR TO CONSTRUCTION TO VERIFY SERVICE LINE LOCATIONS.



PROFILE LINE 2

**MKEC**  
 ENGINEERING  
 CONSULTANTS, INC.  
 1000 W. WILSHIRE, STE 401  
 OKLAHOMA CITY, OK 73116  
 405.942.8598  
 W.W.W. M.K.E.C.O.M.  
 CA-2958 E.P. 6-30-13

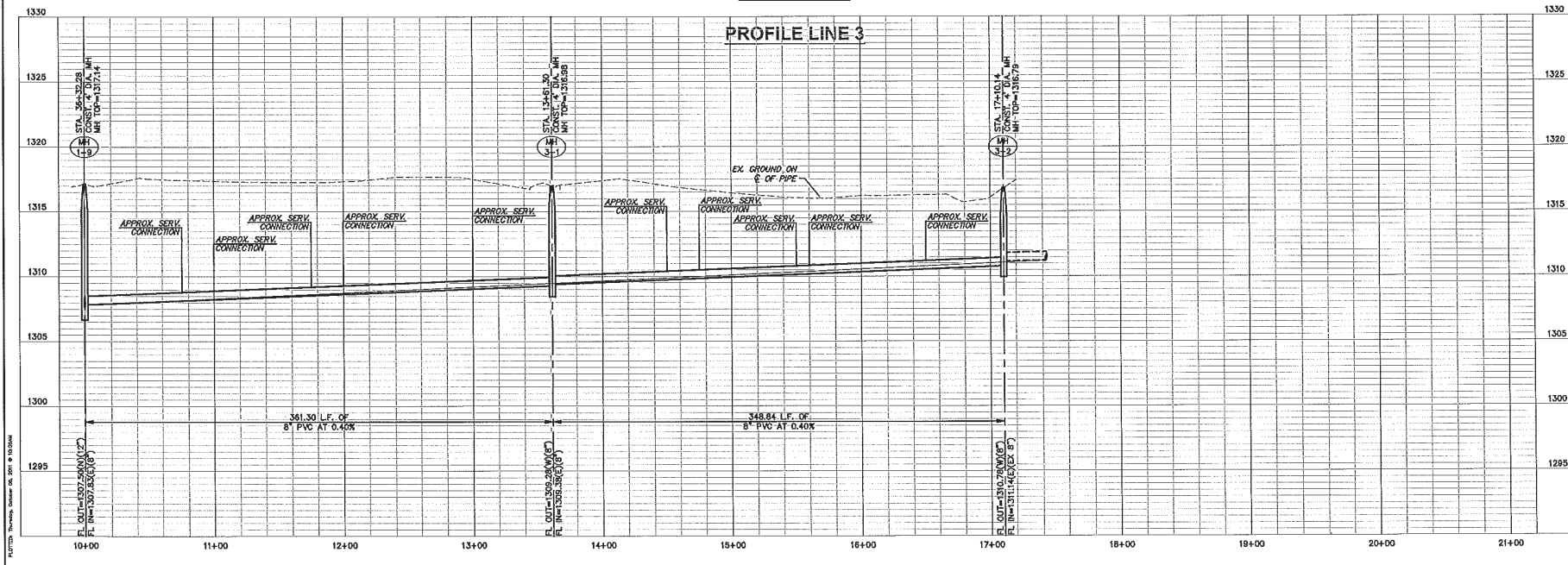
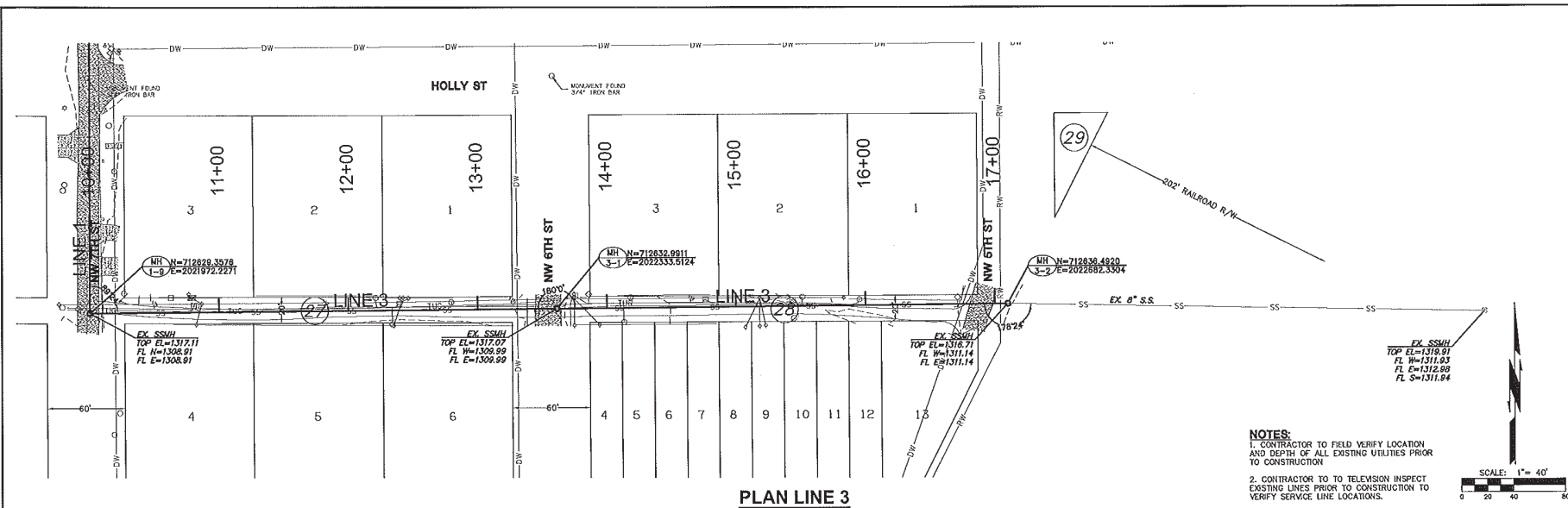
**7TH ST SANITARY SEWER**  
**CITY OF TUTTLE**  
**GRADY COUNTY, OKLAHOMA**

**PLAN & PROFILE LINE 2**  
 SHEET TITLE  
 09145 PH 1700  
 PROJECT NUMBER  
 SKF / SKF / JDC  
 DESIGNED / DRAWN / CHECKED  
 ISSUED  
 October 2011  
 REVISED  
 SHEET NO.  
 6 of 8

09145 PH 1700 - 7TH ST SANITARY SEWER  
 10/11/11

**7TH ST SANITARY SEWER  
 CITY OF TUTTLE  
 GRADY COUNTY, OKLAHOMA**

**PLAN & PROFILE  
 LINE 3**  
 SHEET NO. 09145 PH 1700  
 PROJECT NUMBER  
 SKF / SKF / JDC  
 DESIGNED / DRAWN / CHECKED  
 ISSUED October 2011  
 REVISED  
 SHEET NO. 7 of 8



P:\07175 - Tuttle - 7th St Sewer - 09145 PH 1700.dwg  
 10/11/11 10:00 AM  
 JDC

**GENERAL NOTES**

- BACKFILL WITH SUITABLE, ON SITE SOIL COMPACTED TO REQUIRED DENSITY, IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
- THE COST OF MOVING, REMOVING AND REPLACING ALL FENCES, TREES, STRUCTURES OR OTHER OBSTRUCTIONS NECESSARY FOR CONSTRUCTION WILL NOT BE PAID FOR AS SUCH, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS UNLESS OTHERWISE NOTED.
- A WATER TIGHT PLUG SHALL BE INSTALLED IN ANY NEW LINE AT ITS ENTRANCE INTO AN EXISTING MANHOLE. UPON SATISFACTORY COMPLETION OF THE PROJECT, PERMISSION WILL BE GIVEN BY THE CITY ENGINEER TO REMOVE THE PLUG.
- DO NOT BREAK OUT THE EXISTING SEWER PIPE WITHIN ANY MANHOLE BUILT AROUND AN EXISTING SEWER UNTIL PROPER APPROVAL TO DO SO IS GIVEN BY THE CITY ENGINEER.
- ALL STUBS SHALL BE ONE LENGTH OF BELL-END PIPE EXTENDING THRU THE MANHOLE WALL AND SHALL BE TIGHTLY PLUGGED.
- AT ABANDONED MANHOLES AND SEWERS, PLUG ALL SEWERS AT MANHOLES, TEAR MANHOLES DOWN 3' BELOW FINISHED GROUND ELEVATION, AND FILL BALANCE OF MANHOLES WITH APPROVED BACKFILL.
- ALL ABANDONED MANHOLE RINGS AND LIDS SHALL BE DELIVERED TO THE CITY OF TUTTLE UTILITY LINE MAINTENANCE WASTEWATER DEPARTMENT.
- PIERS AND COLLARS TO BE BUILT ACCORDING TO TUTTLE CITY STANDARD SPECIFICATIONS, OR AS NOTED.
- ALL FILL AREAS SHOWN ON PROFILE SHALL BE MADE BEFORE CONSTRUCTION OF SEWER.
- UNLESS OTHERWISE REQUIRED, DENSITY TESTING SHALL BE PERFORMED ON AN AVERAGE OF EVERY 200 L.F. OF TRENCH EACH 6 FT. OF DEPTH. DENSITY REQUIREMENTS FOR TRANSVERSE CROSSINGS UNDER PAVING OR DRIVEWAYS SHALL COMPLY WITH THE SCHEDULE SHOWN ON STANDARD CONSTRUCTION PAVING DETAILS.
- THE CONSTRUCTION OF MONOTHICALLY CAST-IN-PLACE MANHOLES WILL BE ALLOWED ONLY AS SHOWN ON THE PLANS. THE SUBMITTAL OF PROPOSED LEG SUPPORTS SHALL BE REQUIRED AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- PLACEMENT OF CONCRETE STRUCTURES, MANHOLES AND ETC. SHALL COMPLY WITH THE STANDARD SPECIFICATIONS, SECTION 509.04.
- IN LIEU OF THE COLD WEATHER REQUIREMENTS SHOWN IN THE STANDARD SPECIFICATIONS, PLACEMENT OF CONCRETE BELOW GRADE WILL BE ALLOWED TO TEMPERATURES AS LOW AS 25° F. HOWEVER, UNTIL SUCH TIME AS FINAL BACKFILL IS PLACED, ADDITIONAL PROTECTION, INSULATION, HEATING AND ETC. SHALL BE REQUIRED.
- EXCAVATION AND BACKFILL NEAR MANHOLES SHALL BE EQUAL ON ALL SIDES OF THE MANHOLE.
- REINFORCING STEEL: ASTM 416 GR60
- CONCRETE: F'C = 4000 PS
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1
- GROUT SHALL BE NON-SHRINK EPOXY GROUT
- ALL COUPLINGS SHALL BE SUBSIDIARY AND INCLUDED IN THE BID PRICE.

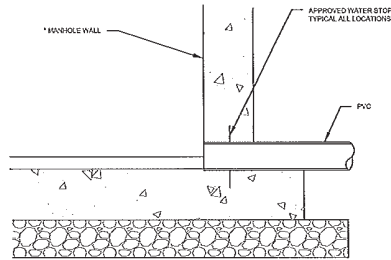
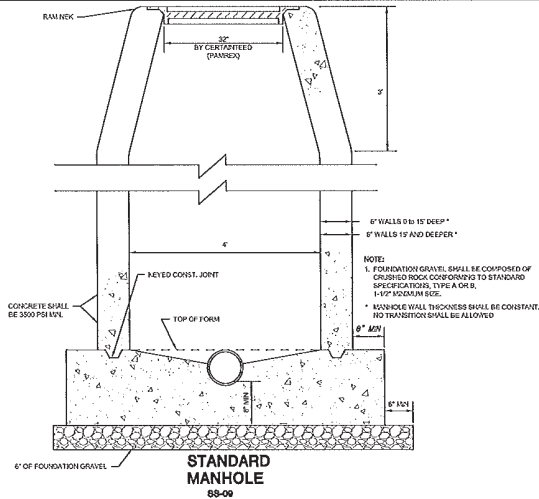
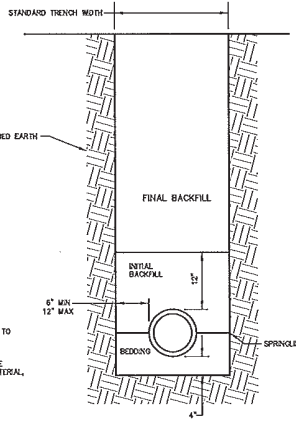
RISE PIPE DIAMETER (IN.)	STANDARD TRENCH WIDTH (IN.)
8	24
10	30
12	30
15	36
18	36
21	42
24	42
27	48
30	48
36	54
42	60
48	66

**NOTES:**

- STANDARD BEDDING MATERIAL (SBM) SHALL CONFORM TO CITY OF TUTTLE, TYPE A AGGREGATE BASE OR CITY OF TUTTLE, LOW STRENGTH BACKFILL MATERIAL.
- SELECT FILL CONSISTS OF EXCAVATED MATERIALS FREE OF ROCKS LARGER THAN 2 1/2 INCHES, ORGANIC MATERIAL, RUBBER, DEBRIS, AND ALL OTHER OBJECTIONABLE MATERIAL.
- COMPACTION REQUIREMENTS:  
A. PAVED AREAS: 85% STANDARD PROCTOR DENSITY  
B. NON-PAVED AREAS: 80% STANDARD PROCTOR DENSITY IF COVER DEPTH < 10'; 85% STANDARD PROCTOR DENSITY IF COVER DEPTH > 10'.

BEDDING MATERIALS		
DESCRIPTION	NON-PAVED AREAS	
	FLEXIBLE PIPE	RIGID PIPE
FINAL BACKFILL	EXCAVATED MATERIAL	EXCAVATED MATERIAL
INITIAL BACKFILL	COVER DEPTH < 10' - SELECT FILL COVER DEPTH > 10' - STAND. BEDDING MATERIAL	SELECT FILL
BEDDING	STAND. BEDDING MATERIAL (SBM)	STAND. BEDDING MATERIAL (SBM)

**PIPE INSTALLATION**



**PVC PIPE DETAILS**

NOTE:  
COMPRESSION JOINTS AND COUPLERS SHALL BE ASSEMBLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. JOINTS AND COUPLERS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH ASTM D4035.  
\* MANHOLE WALL THICKNESS SHALL BE CONSTANT, NO TRANSITION SHALL BE ALLOWED.

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W.W.M.K.E.C.O.A.  
CAL 2258 EXP. 6-30-15

**7TH ST SANITARY SEWER**  
**CITY OF TUTTLE**  
**GRADY COUNTY, OKLAHOMA**

**DETAILS**  
SHEET TITLE  
**09145 PH 1700**  
PROJECT NUMBER

**SKF / SKF / JDC**  
DESIGNED / DRAWN / CHECKED

ISSUED  
**October 2011**  
REVISED

SHEET NO.  
**8 of 8**

P:\DWG\7445 TUTTLE\PROJECTS\7TH STREET SANITARY AND SANITATION SANITATION