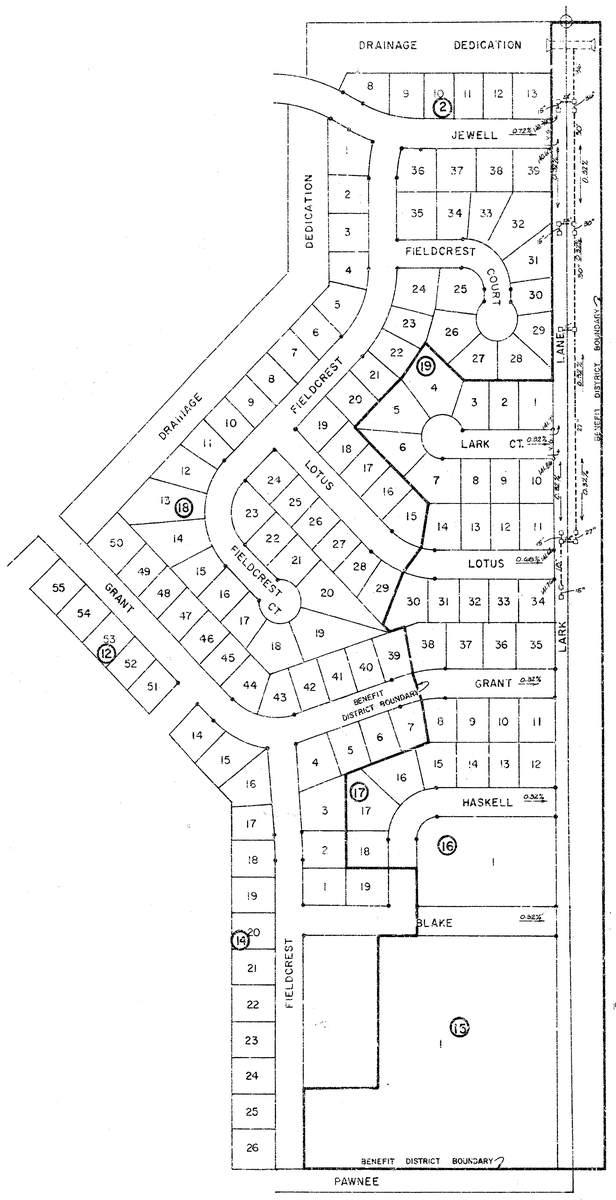


PAWNEE MESA ADDITION

STORM WATER SEWER NO. 187

PROJECT NO.

468 - 76 - 245 - 80933 - 000 - 000 - 001

CITY OF WICHITA, KANSAS

R. W. BRUGGEMAN, CITY ENGINEER

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2 - 4	PLAN AND PROFILE
5	DETAIL

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
2. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.
3. THE TOPS OF INLETS AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATION OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
4. ALL METAL PIPES SHALL BE HELICALLY CORRUGATED PIPE. ALL CORRUGATED PIPE SHALL BE SMOOTH FLOW PIPES FOR SIZES 24" DIAMETER AND LARGER. ALL CONNECTIONS FOR THESE PIPES SHALL BE OF FAIRLY WATERTIGHT CONSTRUCTION USING HOOGER TYPE COUPLERS OR EQUAL.
5. ALL CONCRETE SHALL BE "6 - SACK CONCRETE" UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATER LINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.
7. CONTRACTOR ALL HAVE THE OPTION OF INSTALLING PRECAST CONCRETE TYPE IA CURB INLETS IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRECAST TYPE IA CURB INLET DATED AUGUST, 1979.
8. IF THE DRAINAGE CHANNEL AND RELATED STRUCTURES HAVE NOT BEEN COMPLETED WHEN NEEDED FOR COMPLETION OF THIS PROJECT, CONTRACTOR IS TO INSTALL END SECTION AND DITCH AS REQUIRED TO DRAIN STORM SEWER.

Van Doren - Hazard - Stallings

Architects • Engineers • Planners

Topeka Wichita Minneapolis

Sheet 1 of 4

PAWNEE MESA ADDITION
PROJECT NO.
468-76-245-80933-000-000-001

Scale :
Horiz. - 1" = 20'
Vert. - 1" = 5'

Proposed 10' Box Structure

Sta. 10+25.00
End of Pipe
Begin Construction here

36" S.W.S.

Sta. 11+25.35 - Line 1
Construct Standard Type 1A Curb Inlet
Sta. 24+16.65 Rt. Lark Lane
T.C. = 140.27, W = 6'-0"

Sta. 11+17.00 - Line 1 = Sta. 0+00 Line 1A
Construct Standard Type 1A Curb Inlet
Sta. 24+25.00 Rt. Lark Lane
T.C. = 140.24, W = 6'-0"

Remove 18"x36" C.M.P. Exist.

24" C.M.P. Exist. Remove

21" C.M.P. Exist.

Sta. 23+53.40 - Lark Ln. & Jewell

30" S.W.S.

Sta. 13+92.00 - Line 1 = Sta. 0+00 Line 1B
Construct Standard Type 1A Curb Inlet
Sta. 21+50.00 Right Lark Lane
T.C. = 140.24 W = 5'-0"

Sta. 14+00.85 - Line 1
Construct Standard Type 1A Curb Inlet
Sta. 21+41.25 - Right Lark Lane
T.C. = 140.27 W = 5'-0"

30" S.W.S.

0.32% slope

10 11 12 13 14 15

G

24 25 23 22 21 20

40 L.F. of 14"x23" RCPHE @ 0.20%
(alt.) 40 L.F. of 13⅞"x22" CMPA @ 0.20%

90°24'07"

LARK LANE

D.S.E. = 136.52
U.S.E. = 136.00

4 L.F. of 15" R.C.P. @ 0.50%
(alt.) 4 L.F. of 15" C.M.P. @ 0.50%
(D.S.E. = 136.40 U.S.E. = 136.27)

D.S.E. = 136.72
U.S.E. = 136.85

4 L.F. of 15" R.C.P. @ 0.50%
(alt.) 4 L.F. of 15" C.M.P. @ 0.50%
(D.S.E. = 136.48 U.S.E. = 136.67)

W

R/W

75.00' 100.00' 70.00' 114.01' 75.00'

SS

15' Util. Esmt.

T.C. = 140.46

T.C. = 140.60'

T.C. = 140.60

Sta. 0+45.42 Line 1A
Construct Standard Type 1A Curb Inlet
Sta. 24+25.00 Left Lark Lane
T.C. = 140.24 W = 4'-2"

Sta. 0+53.77 - Line 1A
Construct Standard Type 1A Curb Inlet
Sta. 25+17.31 Left Lark Lane
T.C. = 140.27 W = 4'-2"

Drainage Dedication

JEWELL

Lot 39

20' Util. Esmt.

Sta. 0+44.92 Line 1B
Construct Standard Type 1A Curb Inlet
Sta. 21+50.00 Left Lark Lane
T.C. = 140.24 W = 4'-2"

Lot 32

Sta. 0+53.27 Line 1B
Construct Standard Type 1A Curb Inlet
Sta. 21+41.25 Left Lark Lane
T.C. = 140.27 W = 4'-2"

Lot 23

Lot 30

10' Util. Esmt.

19

Sta. 10+25.00 - Line 1
Beginning of Pipe

112 L.F. of 30" R.C.P. @ 0.10%
(alt.) 112 L.F. of 30" C.M.P. @ 0.10%
(fully paved)

Sta. 11+17.00 - Line 1 = Sta. 0+00 Line 1A
Construct Standard Type 1A Curb Inlet
T.C. = 140.24 W = 6'-0"

8.33 L.F. of 30" R.C.P. @ 0.10%
(alt.) 8.33 L.F. of 30" C.M.P. @ 0.10%
(fully paved)

Sta. 11+25.35 - Line 1
Construct Standard Type 1A Curb Inlet
T.C. = 140.27 W = 6'-0"

266.65 L.F. of 30" R.C.P. @ 0.20%
(alt.) 266.65 L.F. of 30" C.M.P. @ 0.20%
(fully paved)

Sta. 13+92.00 - Line 1 = Sta. 0+00 Line 1B
Construct Standard Type 1A Curb Inlet
T.C. = 140.24 W = 5'-0"

Sta. 14+00.85 - Line 1
Construct Standard Type 1A Curb Inlet
T.C. = 140.27 W = 5'-0"

8.33 L.F. of R.C.P. @ 0.20%
(alt.) 8.33 L.F. of C.M.P. @ 0.20%
(fully paved)

241.65 L.F. of 30" R.C.P. @ 0.13%
(alt.) 241.65 L.F. of 30" C.M.P. @ 0.13%
(fully paved)

145
140
135

Rt. T.C. slope = 0.32%

13⅞"x22" Pipe

8" HP Gasline as located in field.

IE out (north) = 134.41
IE in (south) = 134.12

IE out (north) = 134.32
IE in (south) = 134.02

IE in (west) = 136.52

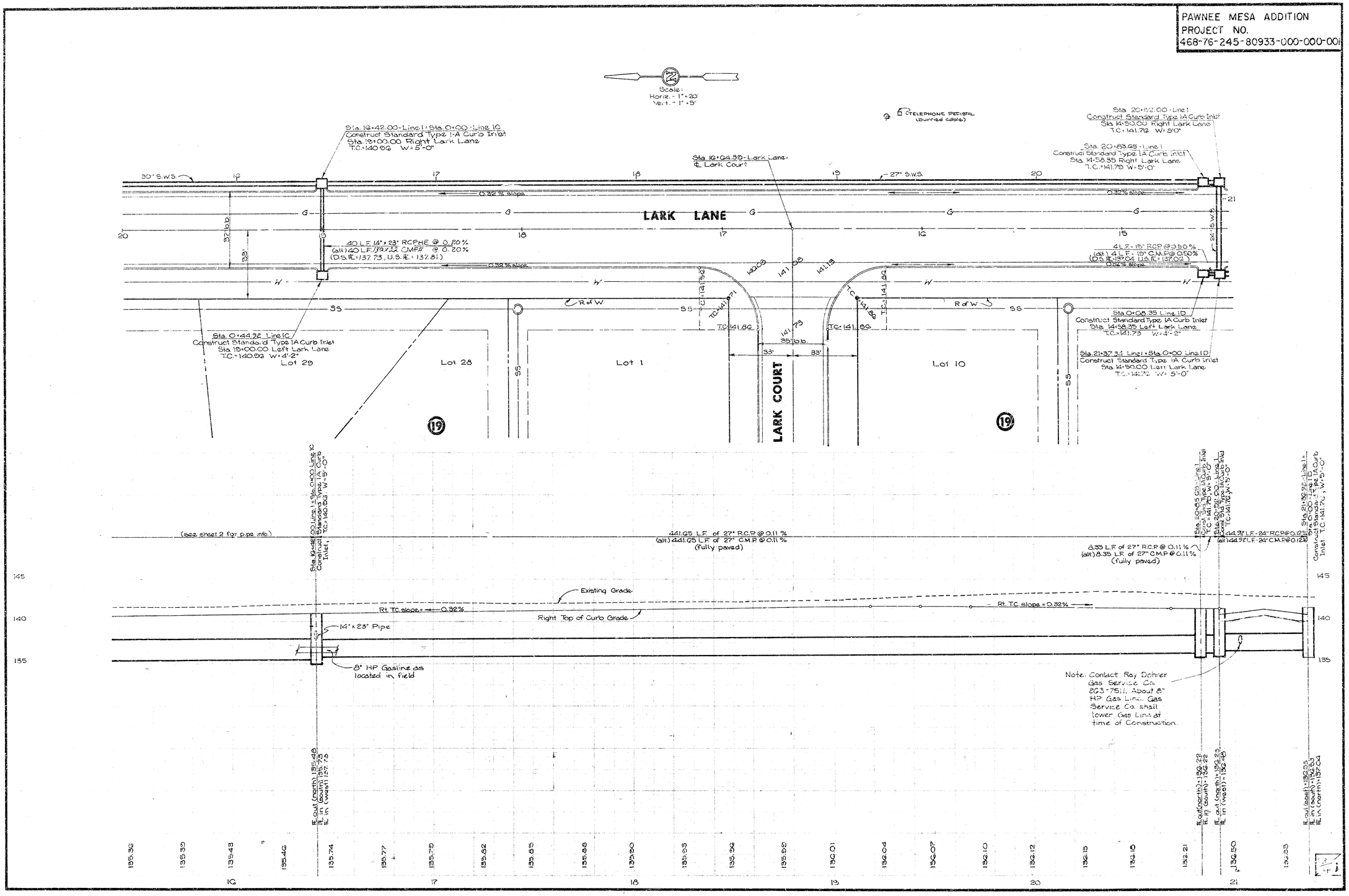
IE out (north) = 135.15
IE in (south) = 135.12

IE in (west) = 136.72

IE out (north) = 135.19
IE in (south) = 135.17

134.00 134.02 134.05 134.07 134.10 134.37 134.72 134.77 134.82 134.87 134.92 134.97 135.02 135.07 135.12 135.20 135.23 135.28 135.30 135.33

10 11 12 13 14 15


PAWNEE MESA ADDITION
PROJECT NO.
468-76-245-80933-000-000-001
Scale:
Horiz. - 1" = 20'
Vert. - 1" = 5'
TELEPHONE PEDISTAL (burried cable)
Sta. 16+42.00 - Line 1 = Sta. 0+00 - Line 1C
Construct Standard Type 1-A Curb Inlet
Sta. 19+00.00 Right Lark Lane
T.C. = 140.96 W = 5'-0"
Sta. 16+64.39 - Lark Lane = ℄ Lark Court
Sta. 20+92.00 - Line 1
Construct Standard Type 1A Curb Inlet
Sta. 14+50.00 Right Lark Lane
T.C. = 141.76 W = 5'-0"
Sta. 20+83.65 - Line 1
Construct Standard Type 1A Curb Inlet
Sta. 14+58.35 Right Lark Lane
T.C. = 141.79 W = 5'-0"
50' S.W.S.
27' S.W.S.
0.32% slope
LARK LANE
40 L.F. 14" x 23" RCPHE @ 0.20%
(alt.) 40 L.F. 13½" x 22" CMPH @ 0.20%
(D.S. ℄ = 137.73, U.S. ℄ = 137.81)
4 L.F. - 15" RCP @ 0.50%
(alt.) 4 L.F. - 15" C.M.P. @ 0.50%
(D.S. ℄ = 137.04, U.S. ℄ = 137.06)
R of W
Sta. 0+44.92 Line 1C
Construct Standard Type 1A Curb Inlet
Sta. 19+00.00 Left Lark Lane
T.C. = 140.96 W = 4'-2"
Sta. 0+08.35 Line 1D
Construct Standard Type 1A Curb Inlet
Sta. 14+58.35 Left Lark Lane
T.C. = 141.79 W = 4'-2"
Sta. 21+37.34 Line 1 = Sta. 0+00 Line 1D
Construct Standard Type 1A Curb Inlet
Sta. 14+50.00 Left Lark Lane
T.C. = 141.76 W = 5'-0"
Lot 29
Lot 28
Lot 1
Lot 10
LARK COURT
35' b.b.
33'
(see sheet 2 for pipe info.)
441.65 L.F. of 27" R.C.P. @ 0.11%
(alt.) 441.65 L.F. of 27" C.M.P. @ 0.11%
(fully paved)
8.35 L.F. of 27" R.C.P. @ 0.11%
(alt.) 8.35 L.F. of 27" C.M.P. @ 0.11%
(fully paved)
Existing Grade
Rt. T.C. slope = 0.32%
Right Top of Curb Grade
14" x 23" Pipe
8" HP Gasline as located in field
Note: Contact Ray Dohrer Gas Service Co. 263-7511. About 8" HP Gas Line. Gas Service Co. shall lower Gas Line at time of Construction.
145
140
135
135.36
135.39
135.43
135.46
135.74
135.77
135.79
135.82
135.85
135.88
135.90
135.93
135.96
135.99
136.01
136.04
136.07
136.10
136.12
136.15
136.18
136.21
136.50
136.53
16
17
18
19
20
21

PAWNEE MESA ADDITION
PROJECT NO.:
468-76-245-80939-000-000-00

