BENCHMARK:
BM #1 – City of Wichita Disc Located in the Northeast Corner of the Intersection of Washington and 1st Street North, 83.9' East and 29.3' North of the Centerline of Both. Elev. = 1296.31 (MSL)

N–2680.54, E–1641.54
Sta. 1+44.23, Begin SWS Line 1
Construct Cast–in–Place Reinf. Concrete Connection Structure. Connect to Ex. 36" Brick Arch, Grout, & Seal Tight. Construct Access Manhole with Ring & Lid.
Top Elev. = 1297.56
See Details, Sheets 56–57.

The Concrete Valley Gutters for both Mead & Rock Island are to be Removed & Replaced. See Sheet 49 for Additional Information.

Flow lines of proposed lateral pipes into manhole stacks are based on either existing storm sewer flow line elevations, or the best available utility information necessary to avoid conflicts. The Contractor shall be advised that it might be in his best interest to provide field cut openings for lateral pipe leads in this area, and that factory provided pre–cast blockouts in manhole stacks may not be practicable.

The Ex. Brick Arch from Mead to Washington is to be Filled with Flowable Fill and Abandoned. See Project Special Provisions for More Information.

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

N–2670.54, E–1641.51
Sta. 1+54.23, SWS Line 1
End Cast–in–Place Reinf. Concrete Connection Structure. Begin Precast 4' X 4' RCBC.

N–2665.54, E–1641.49
Sta. 1+59.23, SWS Line 1
Deflect 4' X 4' RCBC 45° 04' (Lt.)
Construct Access Manhole w/ Ring & Lid.
Top Elev. = 1297.45

N–2647.31, E–1840.08
Sta. 3+65.25, SWS Line 1
Begin Construction of Cast–in–Place Reinf. Concrete Transition Structure.
See Detail, Sheet 58.

N–2647.28, E–1856.52
Sta. 3+81.69, SWS Line 1 =
Sta. 0+25.00, SWS Line 1d
Construct Access Manhole w/ Ring & Lid. Connect Prop. 15" RCP's (NW & SW)
Top Elev. = 1296.54

N–2647.06, E–1973.46
Sta. 4+98.63, SWS Line 1 =
Sta. 0+35.07, SWS Line 1f
Construct Access Manhole w/ Ring & Lid. Connect Prop. 15" RCP's (NW & SE)
Top Elev. = 1296.12

N–2647.20, E–1899.83
Sta. 4+25.00, SWS Line 1 =
Sta. 0+34.14, SWS Line 1e
Construct Access Manhole w/ Ring & Lid. Connect Prop. 15" RCP (S)
Top Elev. = 1296.42

N–2646.87, E–2072.96
Sta. 5+98.12, SWS Line 1 =
Sta. 0+75.65, SWS Line 1h
Construct Access Manhole w/ Ring & Lid. Connect Proposed 15" RCP's (N & S).
Top Elev. = 1296.14

The Contractor Shall Submit the Proposed Method of Supporting the 18" & 24" VCP Sanitary Sewers During Construction for Approval by the Engineer Prior to Beginning Construction.

CAUTION!
Existing 10" VCP 8" Water 24" SS 24" RCP Crossings*

CAUTION!
Existing O/H Elec Crossing

CAUTION!
Existing O/H Elec 10" VCP Crossings

CAUTION!
Existing O/H Elec Crossing

CAUTION!
Existing U/G CATV 8" Water Crossings

CAUTION!
Existing 6" Gas Crossing

CAUTION!
Existing 18" SS Westar Duct 15" VCP Crossings*

CAUTION!
Existing 3" RGC Crossing

Remove Ex. 36" Brick Arch and SWSMH as Necessary for Construction

Remove Ex. 36" Brick Arch Sweep. Plug Ex. Brick Arch West of Ex. SWSMH.

N–2647.64, E–1665.31
Sta. 1+90.48, SWS Line 1 =
Sta. 1+14.21, SWS Line 1a
Connect Prop. 30" RCP (S)

N–2647.65, E–1659.31
Sta. 1+84.48, SWS Line 1
Deflect 4' X 4' RCBC 45° 00' (Lt.)
Construct Access Manhole w/ Ring & Lid. Connect Prop. 30" RCP (SE)
Top Elev. = 1297.72

N–2647.31, E–1840.08
Sta. 3+65.25, SWS Line 1
End Construction of Cast–in–Place Reinf. Concrete Transition Structure.

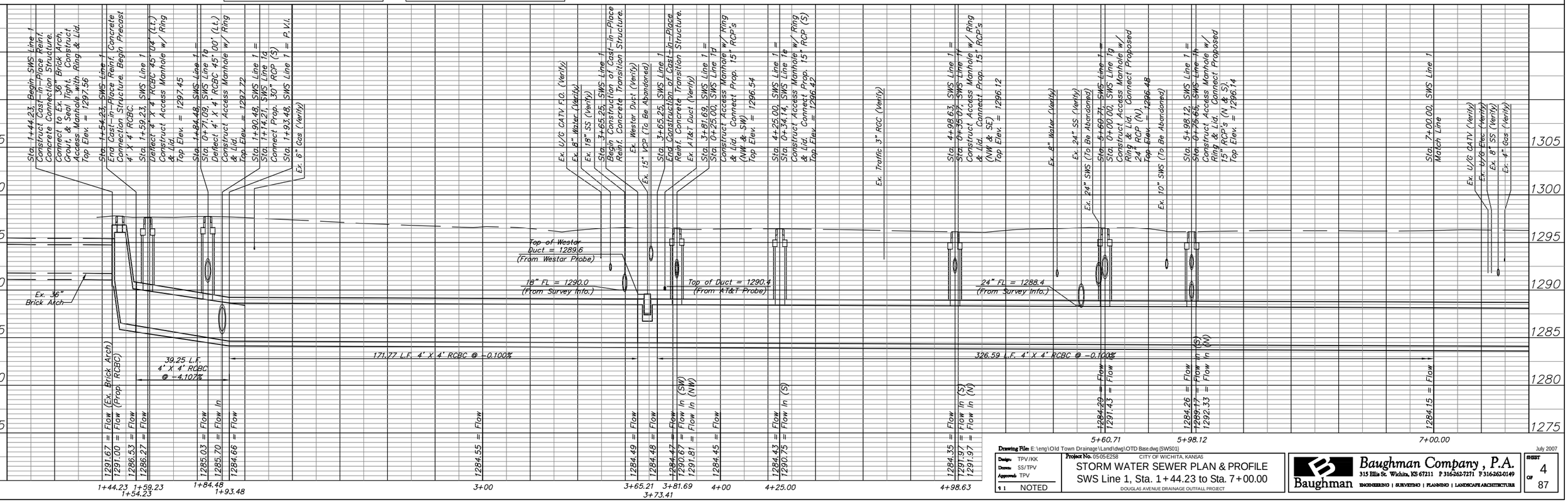
Ex. Concrete Pavement to be Removed & Replaced. See Detail, Sheet 50.

N–2646.95, E–2035.54
Sta. 5+60.71, SWS Line 1 =
Sta. 0+00.00, SWS Line 1g
Construct Access Manhole w/ Ring & Lid. Connect Proposed 24" RCP (N).
Top Elev. = 1296.48

Areas of Full Pavement Removal & Replacement are Indicated By:

Areas of 2" Mill & Overlay with A.C. Pavement are Indicated By:

MEAD
ROCK ISLAND
MOSLEY
1ST STREET NORTH
EAST WICHITA
SWS Line 1a
SWS Line 1b
SWS Line 1c
SWS Line 1d
SWS Line 1e
SWS Line 1f
SWS Line 1g
SWS Line 1h
Sta. 7+00.00 Match Line
10



Drawing File: E:\eng\Old Town Drainage\Land\dwg\OTD Base.dwg [SWS01]
Design: TPV/KK
Drawn: SS/TPV
Approved: TPV
9 1 NOTED
Project No. 0505-E258
CITY OF WICHITA, KANSAS
STORM WATER SEWER PLAN & PROFILE
SWS Line 1, Sta. 1+44.23 to Sta. 7+00.00
DOUGLAS AVENUE DRAINAGE OUTFALL PROJECT
July 2007

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE