

STUB OUT H STB-H
 PLUG END
 205 BYPASS STA 41+90 (132.7' LT)
 36" FL 546.80

60° 30' X18" WYE J-H4
 205 BYPASS STA 41+69.5 (55.42' LT)
 (E&W) FL 36" 546.25
 (S) FL 18" 547.00

INLET E1 C. I. REC 10'
 205 BYPASS STA 59+11 (48.00' LT)
 TOC 542.83
 (E) 18" FL 537.85

Q=3.18
 Qc=35.82
 Sf=0.091
 Vp=2.32
 d=1.08
 PARTIAL

60° 24' X18" WYE M24
 (W) FL 18" 536.52

45° 54' X36" WYE J-OSH1
 (W) FL 36" 545.49

9 LF-18" RCP
 @ 11.62%

Q=32.38
 Qc=55.87
 Sf=0.236
 Vf=4.58

Q=40.85
 Qc=55.78
 Sf=0.375
 Vf=5.78

79 LF-36" RCP
 @ 0.70%

109 LF-36" RCP
 @ 0.70%

NEW 30" FORCE MAIN
 CONCRETE ENCASED

PROP GROUND
 EXIST GROUND

60° 30' X18" WYE M23
 (E) FL 18" 535.82

102 LF-18" RCP
 @ 1.95%

Q=3.18
 Qc=14.68
 Sf=0.091
 Vp=3.10
 d=0.84
 PARTIAL

INLET E14 C. I. REC 10'
 205 BYPASS STA 59+11 (48.00' RT)
 TOC EL 542.83
 (W) 18" FL 537.85

LATERAL E14

DROP INLET OSE8 W=5.0'
 TOC EL 539.92
 205 BYPASS STA 61+75 (73.70' RT)
 (W) 18" FL 535.30

LATERAL OSE8

Q=31.85
 Qc=32.39
 Sf=0.603
 Vp=7.52
 d=2.01
 PARTIAL

112 LF-30" RCP
 @ 0.62%

MANHOLE M25
 (E) FL 30" 534.59

PROP GROUND
 EXIST GROUND

60° 24' X18" WYE M26
 (E) FL 18" 535.50

101 LF-18" RCP
 @ 0.79%

Q=3.62
 Qc=9.33
 Sf=0.119
 Vp=2.74
 d=1.05
 PARTIAL

INLET E13 C. I. REC 10'
 205 BYPASS STA 62+50 (48.00' RT)
 TOC EL 541.3
 (W) 18" FL 536.32

LATERAL E13

EXIST GROUND

PROP GROUND
 100-YR HGL

60° 24' X18" WYE M21
 (S) FL 18" 533.85

16 LF-18" RCP
 @ 4.46%

INLET E12 C. I. REC 10'
 TOC EL 539.77
 205 BYPASS STA 65+50 (48.00' RT)
 (W) FL 18" 534.79

LATERAL E12

Q=3.71
 Qc=22.19
 Sf=0.124
 Vf=2.10

60° 24' X36" WYE M19
 24" FL 531.79

EXIST GROUND

PROP GROUND

100-YR HGL

Q=22.15
 Qc=35.06
 Sf=0.958
 Vf=7.05

95 LF-24" RCP
 @ 1.90%

27 LF-24" RCP
 @ 2.40%

Q=25.83
 Qc=31.20
 Sf=1.303
 Vp=10.67
 d=1.44
 PARTIAL

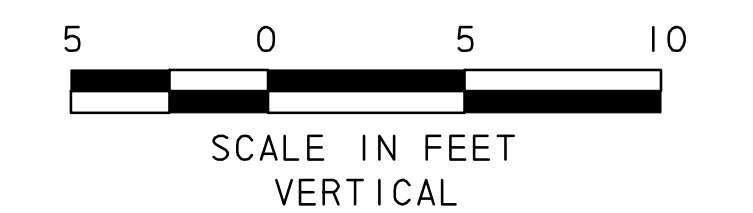
60° 24' X18" WYE M21
 205 BYPASS STA 65+69.5 (45.40' RT)
 (E&W) FL 24" 533.60
 (S) FL 18" 533.85

LATERAL OSE7

DROP INLET OSE7 W=5.0'
 TOC EL 538.72
 205 BYPASS STA 65+57.5 (70.0' RT)
 (W) 24" FL 534.30

- NOTES:
1. FLOWLINE ELEVATIONS AND GRADES ARE CALCULATED FROM APPROPRIATE CENTER TO CENTER OF PROPOSED DRAINAGE STRUCTURES. PIPE LENGTHS ON PLANS ARE ACTUAL LENGTHS BETWEEN STRUCTURES AND ARE USED IN QUANTITY TAKEOFFS.
 2. ALL UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED AS TO THE LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
 3. ALL STORM DRAIN PIPE IS CLASS III UNLESS OTHERWISE NOTED.
 4. THE CONTROL POINT FOR RECESSED CURB INLETS IS AT THE CENTER OF THE INLET AT THE FACE OF THE RECESSED CURB.
 5. INLET LIDS TO BE LOCKING.

LEGEND
 Q = FLOW RATE (CFS)
 Qc = FLOW CAPACITY (CFS)
 Sf = FRICTION SLOPE (%)
 V = VELOCITY (FPS)
 D = DEPTH (FT)



RECORD DRAWING
 This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING
 SEALED & SIGNED BY
 T.H. Gaertner, P.E.
 TX NO. 37124

NO.	MISCELLANEOUS	THG	5/20/08
	REVISION	BY	DATE

City of Rockwall, Texas

205 BYPASS PHASE 3

LATERAL PROFILES SYSTEM E AND H

Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN	Date	11/23/2009
Designed	Checked	TCB	Project No.	60004153	
Drawn	Approved	TCB	Sheet	94 of 215	

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 11/23/2009