NATURAL ROCK LINER IN THIS AREA. PLACE NATIVE ROCK SPOILS FROM EARTHWORK OPERATIONS TO PROTECT SWALE FROM EROSION.

STA. 0+00.00
BEGIN STORM DRAIN LINE A
CONSTRUCT SLOPED END SECTION
HEADWALL WITH GROUTED ROCK APRON
F.L. 532.5 (MATCH EXISTING GRADE)

10' 10'

8 SY GROUTED ROCK APRON

STA. 0+42.35
DEFLECT 90° LEFT
F.L. =535.09

STA. 1+56.52
DEFLECT 13°47'23" RIGHT
F.L. =542.6

STA. 1+87.44
DEFLECT 45° LEFT
F.L. =543.95

PROPOSED 18" DIA. CL.III RCP STORM DRAIN AT 6.11% GRADE

LINE "A"

PROPOSED PRIVATE 18" CL. III RCP AT 6.11% GRADE (PARTIAL FLOW)

STA. 2+20.92
END LINE A
CONSTRUCT STANDARD 10' CURB INLET
TOP = 549.3
F.L. = 546.0

STA. 0+70.71
END
CONSTRUCT SINGLE GRATE INLET
F.L. 544.89
TOP 550.74

PROPOSED TRENCH DRAIN A (SEE DETAILS)

0+48.48
PIPE CONNECTION
F.L. 535.46

STA. 0+00.00
BEGIN. LINE C
TOP = 549.3
F.L. = 544.89

PROPOSED 18" DIA. CL.III RCP STORM DRAIN AT 2.67% GRADE

STA. 0+45.0
UTILITY CROSSING
F.L. = 544.2

PROPOSED PRIVATE 18" CL. III RCP AT 2.67% GRADE (PARTIAL FLOW)

LINE "C"

PROPOSED TRENCH DRAIN B (SEE DETAILS)

STA. 0+52.72
END LINE B
CONSTRUCT STANDARD 10' CURB INLET
TOP = 549.3
F.L. = 543.0

LINE "B"

PROPOSED 18" DIA. CL.III RCP STORM DRAIN AT 13.27% GRADE

PRIVATE

STA. 0+00.00
BEGIN STORM DRAIN LINE B
CONSTRUCT SLOPED END SECTION
HEADWALL WITH GROUTED ROCK APRON
F.L. 536.0 (MATCH EXISTING GRADE)

9 SY GROUTED 12" GABION MATTRESS IN PUBLIC ROW/EASEMENT SEE DETAIL

FUTURE 42" RCP

6" SS

8" W

PUBLIC

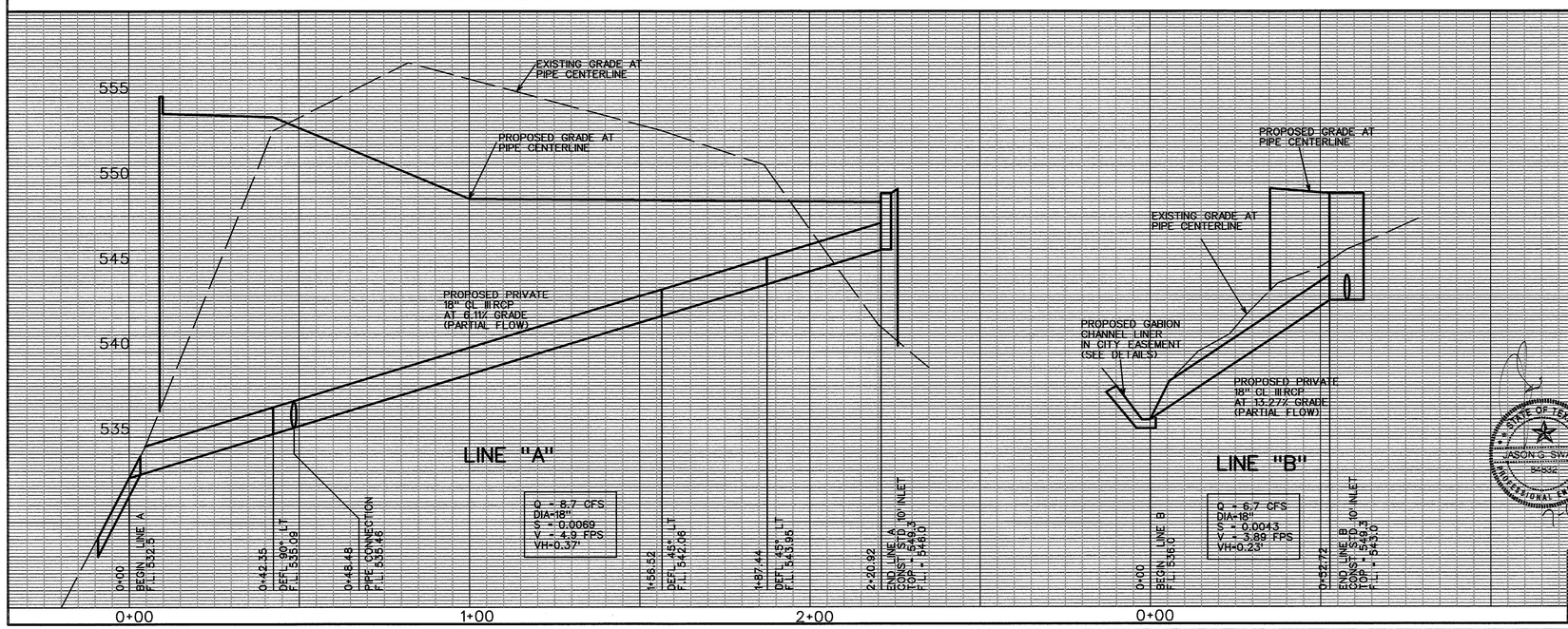
SSMH

FH

WV

SCALE IN FEET
0 20 40 60
1" = 20'

PROFILE SCALE:
1" = 20'H
1" = 4'V



STATE OF TEXAS
JASON G. SWAIM
84934
PROFESSIONAL ENGINEER

PREPARED BY
SWAIM
ENGINEERING & SURVEYING

STORM DRAIN PLAN AND PROFILE

THE OFFICES AT HAMPDEN WOODS
L. BARNES ADDITION
LOT 58R

CITY OF ARLINGTON, TX

plprsheet01	DATE: 7-17-08	C2.1