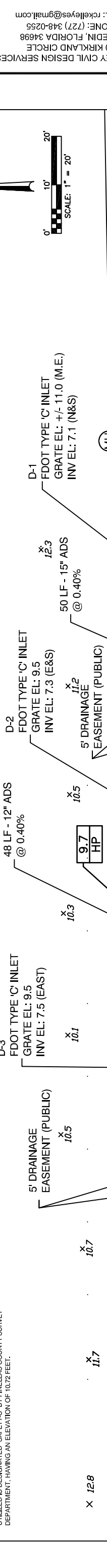


FLOOD ZONE:
 THIS PROPERTY LIES IN FLOOD ZONE "X", AS PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP; COMMUNITY PANEL NO. 121030201276, DATED 08/03/03

VERTICAL DATUM INFORMATION:
 ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM, 1988 ADJUSTMENT (NAVD'88). CONTROL BENCHMARK UTILIZED IS DESIGNATED "SAFETY-S" BY PINELLAS COUNTY SURVEY DEPARTMENT, HAVING AN ELEVATION OF 107.2 FEET.

DRAINAGE BASIN AREA = 0.86 ACRES; IMPERVIOUS AREA = 0.39 ACRES
'C' VALUE = $(0.39 / 0.86) \times 0.98 + (0.47 / 0.86) \times 0.2 = 0.55$
Q = C.I.A. = $0.55 \times 6.4 \times 0.86 = 3.03$ CFS
3.03 CFS THRU 148 LF OF 15" PIPE = 0.23% OR 0.34'
3.03 CFS THRU 48 LF OF 12" PIPE = 0.74% OR 0.36'
 $0.34' + 0.36' = 0.70'$; $0.70' + 8.49$ (10YR PEAK EL AT CONNECTION POINT) = 9.19
9.19 < 9.5 - THEREFORE PROPOSED PIPE SIZES ARE ADEQUATE



LOT 12.8 (M.E.)
LOT 11.1 (M.E.)
LOT 11.2 (M.E.)
LOT 11.3 (M.E.)
LOT 11.4 (M.E.)
LOT 11.5 (M.E.)
LOT 11.6 (M.E.)
LOT 11.7 (M.E.)
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LOT 11.9 (M.E.)
LOT 12.0 (M.E.)
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LOT 12.4 (M.E.)
LOT 12.5 (M.E.)
LOT 12.6 (M.E.)
LOT 12.7 (M.E.)
LOT 12.8 (M.E.)

5' DRAINAGE EASEMENT (PUBLIC)
5' DRAINAGE EASEMENT (PRIVATE)
5' DRAINAGE EASEMENT (PUBLIC)
5' DRAINAGE EASEMENT (PUBLIC)

12 LF - 15" RCP @ 1.67%
86 LF - 15" ADS @ 0.58%
12 LF - 15" RCP @ 1.67%

CONNECT PIPE TO EXIST STRUCTURE INV EL = 6.4
12 LF - 15" RCP @ 1.67%
86 LF - 15" ADS @ 0.58%

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86 LF - 15" ADS @ 0.58%

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86 LF - 15" ADS @ 0.58%



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