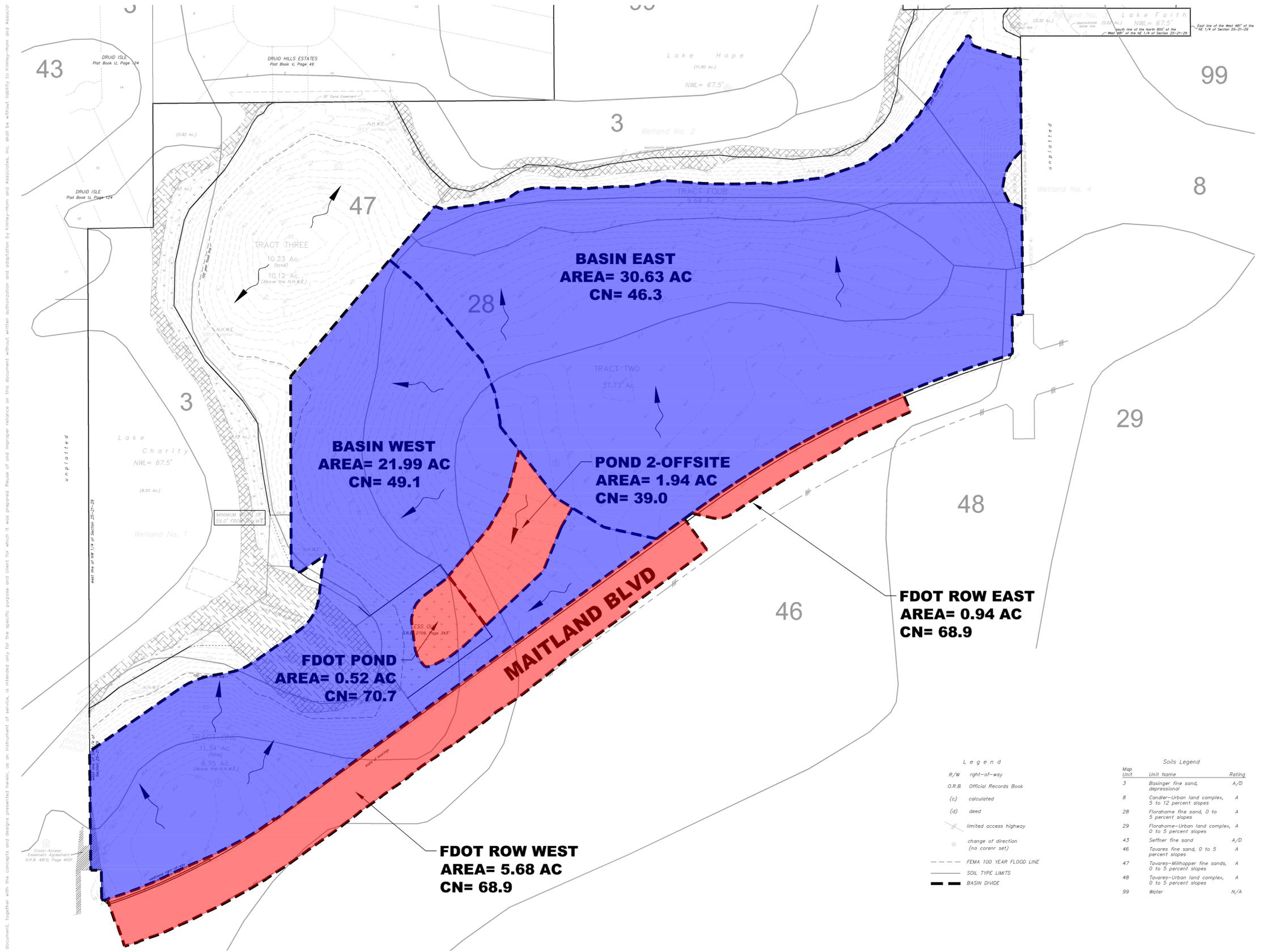


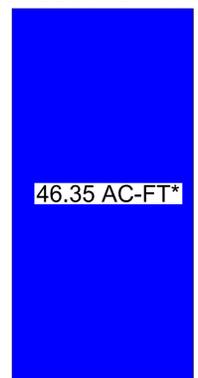
PRE-DEVELOPMENT BASINS



1st 100yr-24hr  
PRE-DEVELOPMENT RUN-OFF



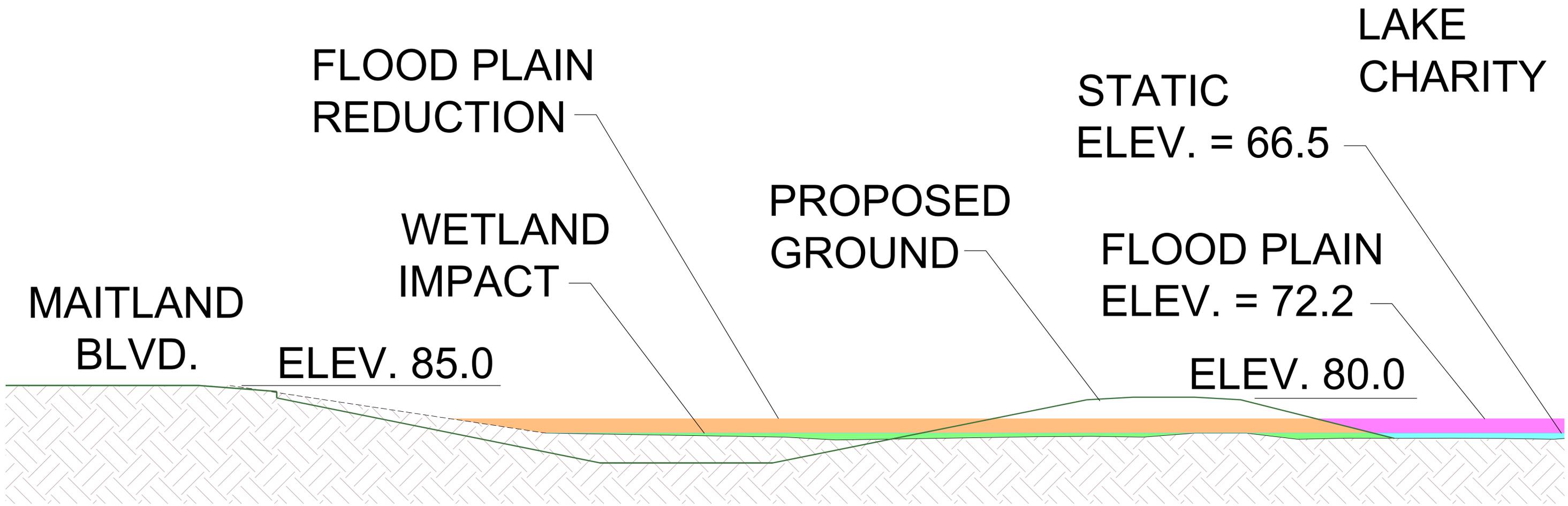
2nd 100yr-24hr  
PRE-DEVELOPMENT RUN-OFF



\*1 AC-FT = 43,560 CUBIC FEET

Legend		Soils Legend	
R/W	right-of-way	Map Unit	Unit Name
O.R.B.	Official Records Book	3	Basinger fine sand, depression
(c)	calculated	8	Candler-Urban land complex, 5 to 12 percent slopes
(d)	deed	28	Florahome fine sand, 0 to 5 percent slopes
	limited access highway	29	Florahome-Urban land complex, 0 to 5 percent slopes
	change of direction (no corner set)	43	Saffner fine sand
---	FEMA 100 YEAR FLOOD LINE	46	Tavares fine sand, 0 to 5 percent slopes
---	SOIL TYPE LIMITS	47	Tavares-Milhopper fine sands, 0 to 5 percent slopes
---	BASIN DIVIDE	48	Tavares-Urban land complex, 0 to 5 percent slopes
		99	Water
			Rating
			A/D
			A
			A
			A
			A/D
			A
			A
			A
			N/A

K:\ORL\_Civil\049183005-MCN-Master Development Svcs\CADD\EXHIBITS\2015-12-03 - Current Pond\LakeCharityRainExhibit.dwg



**FLOOD PLAIN REDUCTION**

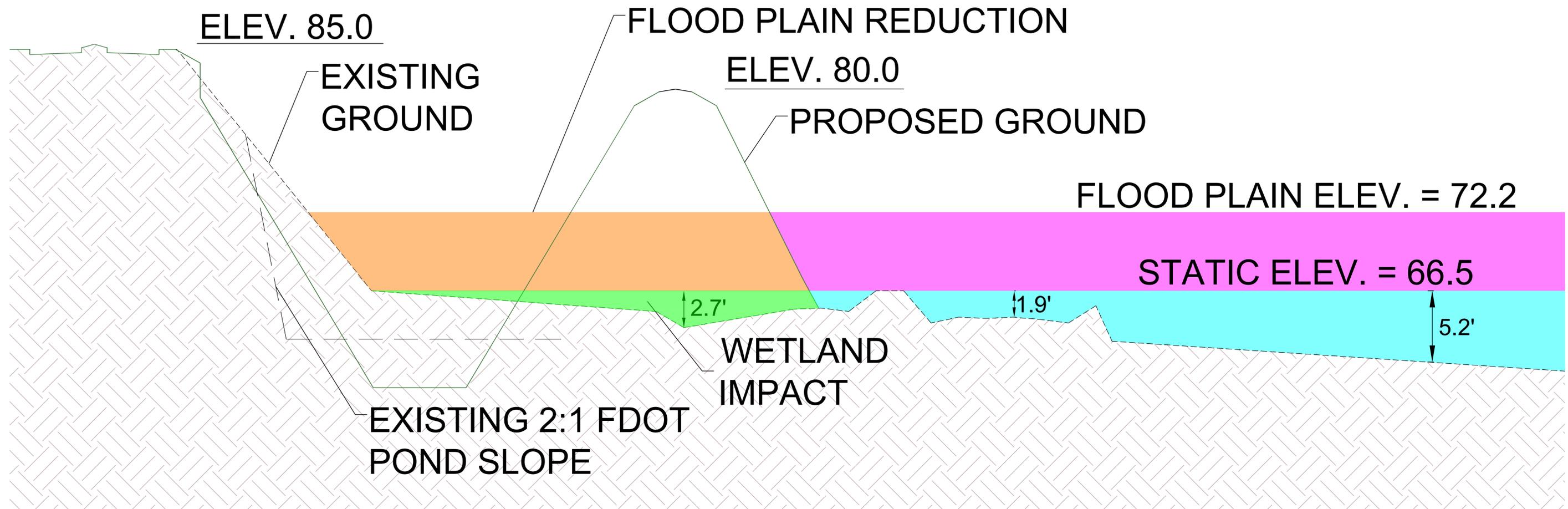
**14.93  
AC-FT**

# SCALE OF SLOPES ARE EXAGGERATED FOR ILLUSTRATIVE PURPOSES

MAITLAND  
BLVD.

POND

LAKE CHARITY



PRE-DEVELOPMENT  
RUN-OFF  
ALLOWABLE  
POST-DEVELOPMENT

FLOOD PLAIN  
REDUCTION

POST-DEVELOPMENT  
DISCHARGE

NET REDUCTION  
OF DISCHARGE  
INTO LAKES

1st 100 YR  
STORM

$$23.18 \text{ AC-FT}^* - 14.93 \text{ AC-FT}^* - 0.0 \text{ AC-FT}^* = 8.25 \text{ AC-FT}^* \div 139.47 \text{ AC} = 0.059 \text{ FT} \times 12 \text{ IN} = 0.71 \text{ IN}$$

2nd 100 YR  
STORM

$$23.18 \text{ AC-FT}^* - 0.0 \text{ AC-FT}^* - 20.69 \text{ AC-FT}^* = 2.49 \text{ AC-FT}^* \div 139.47 \text{ AC} = 0.018 \text{ FT} \times 12 \text{ IN} = 0.21 \text{ IN}$$

TOTAL BACK  
TO BACK 100  
YR STORM

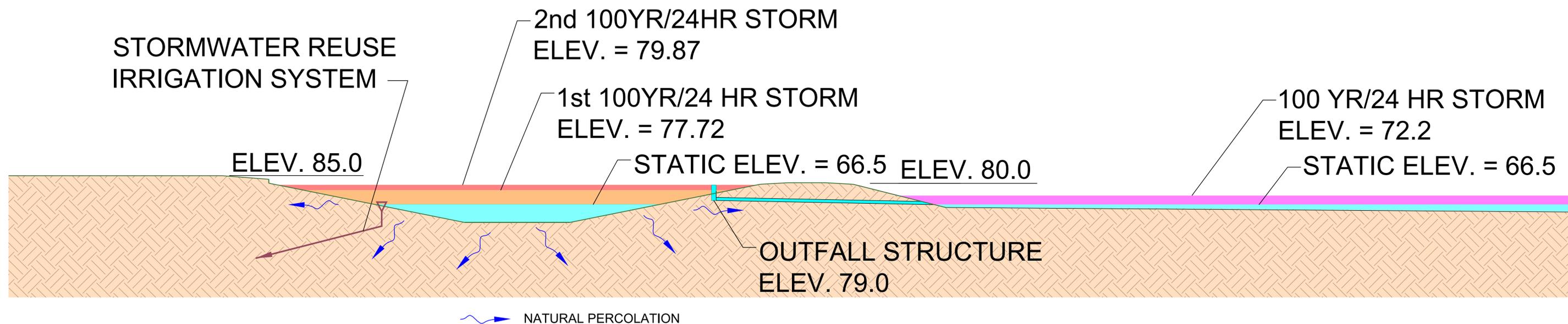
$$46.36 \text{ AC-FT}^* - 14.93 \text{ AC-FT}^* - 20.69 \text{ AC-FT}^* = 10.74 \text{ AC-FT}^* \div 139.47 \text{ AC} = 0.077 \text{ FT} \times 12 \text{ IN} = 0.92 \text{ IN}$$

\*1 AC-FT = 43,560 CUBIC FEET

MAITLAND  
BLVD.

POND

LAKE CHARITY



**MAITLAND CONCOURSE NORTH**

CITY OF MAITLAND, FLORIDA

**LAKE CHARITY STORM ELEVATIONS**

12/09/15 - CONTACT JONATHAN A. MARTIN, P.E. (407) 427-1686

N.T.S.

**Kimley»Horn**

# SCALE OF SLOPES ARE EXAGGERATED FOR ILLUSTRATIVE PURPOSES

MAITLAND BLVD.

POND

LAKE CHARITY

