

CRANE MHP STREAM BUFFER MITIGATION EXHIBIT

SITE DATA

ZONING: EXISTING ZONING - R-M & CG-P
PROPOSED ZONING - M-LP

DEVELOPMENT AREA:
CRANE MHP PROPERTY + SHARED PARKING
= 3.39 ACRES

STREAM BUFFER SPECIFICATIONS				
STREAM BUFFER	TOTAL AREA	EXISTING IMPERVIOUS AREA	PROPOSED IMPERVIOUS AREA	PROPOSED PERVIOUS AREA
STREAMSIDE ZONE	19,696 SQFT	475 SQFT	0 SQFT	19,696 SQFT
OUTER ZONE	24,064 SQFT	3,508 SQFT	12,275 SQFT	11,789 SQFT

STREAM BUFFER ENHANCEMENT

THE STREAM BUFFER WILL BE ENHANCED WITH PROPOSED PLANTING OF NATIVE VEGETATION AND TREES BASED THE STREAM BUFFER ENHANCEMENT AREA AS CALCULATED BELOW:

ENHANCEMENT AREA = ALL PERVIOUS AREA WITHIN THE STREAM BUFFER
31,485 SQFT = 19,696 SQFT + 11,789 SQFT

REPLANTING CATEGORIES: BASED ON JOHNS CREEK STREAM BUFFER REVEGETATION/MITIGATION STANDARDS

-25% LARGE TREES = 7,871 SQFT
-25% SMALL TREES = 7,871 SQFT
-25% SHRUBS = 7,871 SQFT
-25% GROUND COVER = 7,871 SQFT OR 0.18 ACRES

COVERAGE AREA: BASED ON SPECIES FROM TABLE 4.4-2 OF THE CITY OF COLUMBIA CODE OF ORDINANCES (SECTION 29-4.4)

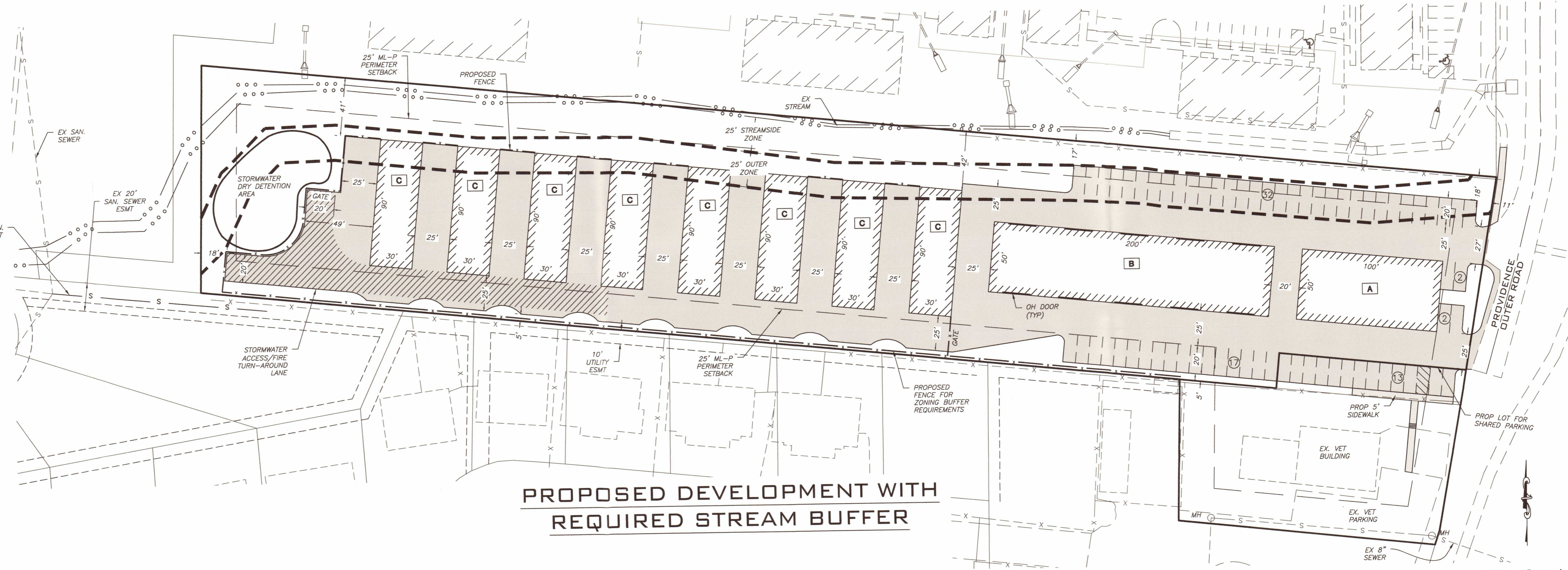
LARGE TREE = 600 SQFT
SMALL TREE = 540 SQFT
SHRUBS = 75 SQFT
GROUND COVER = 6 LBS OF PLUGS/ACRE

REPLANTING CALCULATIONS:

LARGE TREE = 7,871 SQFT/600 SQFT = 14 LARGE TREES
SMALL TREE = 7,871 SQFT/540 SQFT = 15 SMALL TREES
SHRUBS = 7,871 SQFT/75 SQFT = 105 SHRUBS
GROUND COVER = 0.18 ACRES @ 6 LBS OF PLUGS/ACRE = 1.08 LBS OF PLUGS/ACRE OR ALL REMAINING STREAM BUFFER AREA

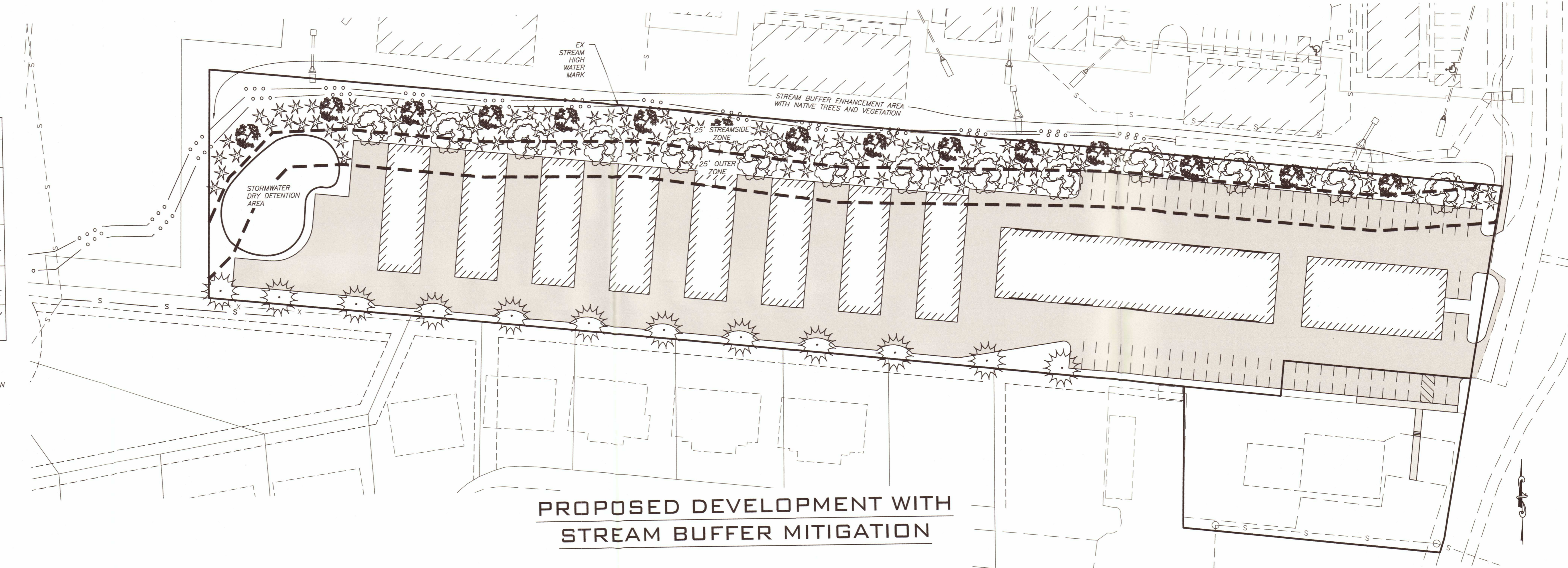
LANDSCAPING TABLE					
SYMBOL	QUANTITY	COMMON NAME (SCIENTIFIC NAME)	CONTAINER/SIZE	SPACING	CATEGORY
	12	GREEN GIANT ARBORVITAE/EVERGREEN	2" CAL - B&B	15' CENTERS	CONIFER OR UPRIGHT EVERGREEN TREE
	14	RED MAPLE/KENTUCKY COFFEE TREE ESPRESSO/ALLEE ELM	2" CAL - B&B	15' CENTERS	LARGE DECIDUOUS SHADE TREE
	15	EUROPEAN HORNBARK/DURM-HEAT RIVER BIRCH/OKLAHOMA REDBUD	2" CAL - B&B	15' CENTERS	SMALL DECIDUOUS SHADE TREE
	105	SPICE BUSH/NINEBARK/BLACK CHOKEBERRY/TOR BIRCHLEAF SPIREA	5 GAL	5' CENTERS	DECIDUOUS/EVERGREEN SHRUB

LANDSCAPING NOTES:
1. NO MORE THAN 50% OF ONE SPECIES PER PLANTING CATEGORY.
2. THE LANDSCAPING SPECIES SHOWN IN THE TABLE ABOVE ARE REPRESENTATIVE. FINAL DESIGN SUBJECT TO CHANGE WITH INPUT FROM LANDSCAPING SPECIALIST FOR SITE SPECIFIC CONDITIONS.



PROPOSED DEVELOPMENT WITH
REQUIRED STREAM BUFFER

SCALE: 1" = 40'
0 20 40 80



PROPOSED DEVELOPMENT WITH
STREAM BUFFER MITIGATION

SCALE: 1" = 40'
0 20 40 80