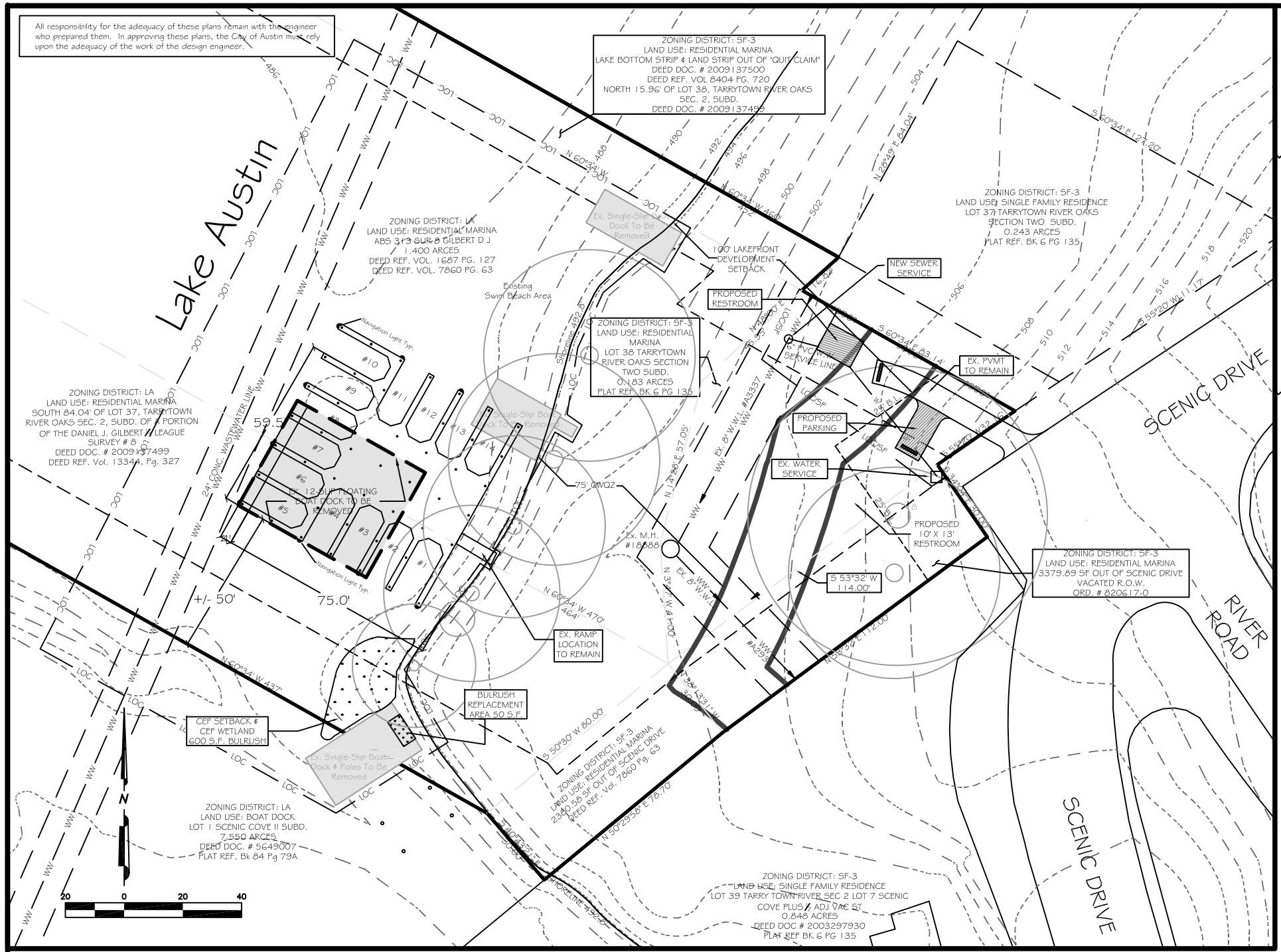
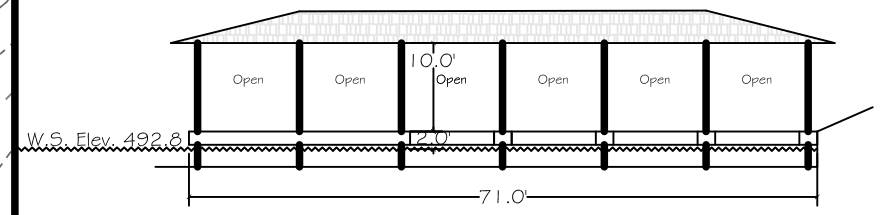
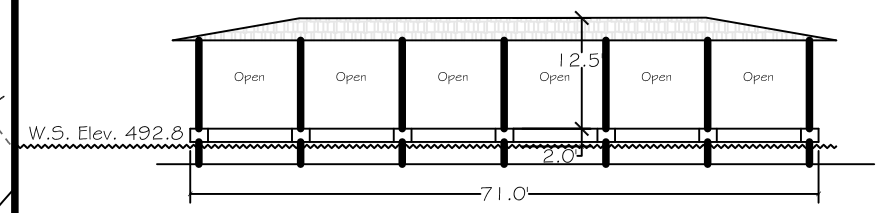
All responsibility for the adequacy of these plans remain with the engineer who prepared them. In approving these plans, the City of Austin must rely upon the adequacy of the work of the design engineer.

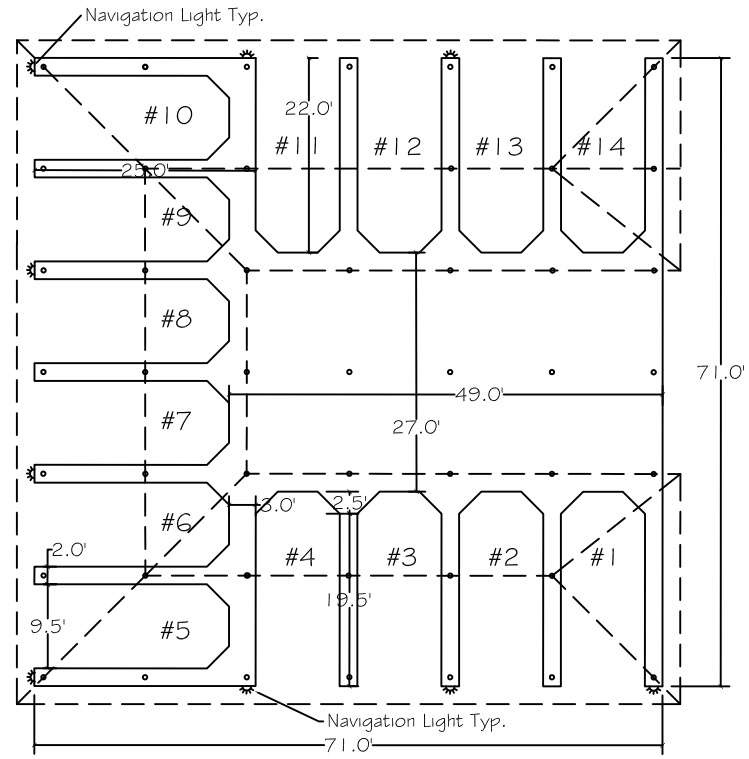




South Side Elevation



Lake Elevation



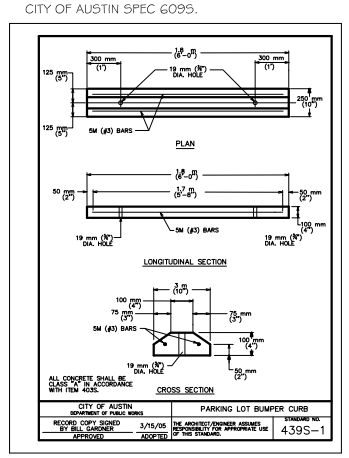
Clustered Dock Plan

NOTES:

1. NAVIGATION LIGHTS MUST HAVE A TWO-BULB FIXTURE, WITH TWO WORKING LIGHT BULBS RATED BETWEEN 7-1/2 AND 25 WATTS INCLUSIVE. LIGHT BULBS OR BULB COVERS MUST BE AMBER, AND WHITE LIGHT MAY NOT RADIATE FROM THE FIXTURE. WEATHERPROOF LAMP HOLDERS AND JUNCTION BOXES ARE REQUIRED. EACH LIGHT FIXTURE MUST BE WIRED WITH A SWITCH OPERATED BY A PHOTOELECTRIC CELL SO THAT THE LIGHTS WILL OPERATE AUTOMATICALLY DURING THE HOURS THAT THE DOCK IS REQUIRED TO BE LIGHTED BY THIS SECTION.
2. ALL ACCESS FOR DOCK CONSTRUCTION ACTIVITIES WILL BE BY WATER.
3. ALL PILES WILL BE 6-3/8" DRIVEN STEEL PILES. ALL PILES WILL BE DRIVEN TO 0.5' REFUSAL PER BLOW.
4. FOUR TRASH RECEPTACLES SHALL BE PROVIDED AND MAINTAINED ON SITE.
5. ALL ACTIVITIES WITHIN THE CEF SETBACK SHALL COMPLY WITH SECTION 25-8-281(C)(2). THE NATURAL VEGETATION COVER SHALL BE RETAINED TO THE MAXIMUM EXTENT PRACTICABLE AND CONSTRUCTION ACTIVITIES ARE PROHIBITED.

WETLAND MITIGATION NOTES:

1. ALL PLANT MATERIAL SHOULD BE SOURCED FROM WITHIN 100 MILES OF THE WORK SITE IN ORDER TO MAINTAIN LOCAL SPECIES AND GENOTYPE. CONTAINER OR BARE ROOT SPECIMENS ARE ALLOWED.
2. PLANT MATERIAL SHOULD BE FREE OF INVASIVE AND/OR EXOTIC SPECIES, AS DEFINED BY THE CITY OF AUSTIN.
3. PLANTS SHOULD BE SET IN THE SOIL DEEPLY ENOUGH TO REMAIN IN-PLACE DURING CHARACTERISTIC LAKE AUSTIN WAVE ACTION.
4. REMOVE INVASIVE SPECIES PRESENT IN THE PLANTING AREA PRIOR TO PLANTING, USING NON-CHEMICAL MEANS.
5. PLANT A MINIMUM OF TWELVE ONE-GALLON-SIZED NATIVE EMERGENT WETLAND PLANTS FROM ONE OR MORE OF THE FOLLOWING LIST: SOFT-STEM BULRUSH (SCIRPUS VALIDUS), CALIFORNIA BULRUSH (SCIRPUS CALIFORNICUS), THREE-SQUARE BULRUSH (SCHOENOPLECTUS AMERICANUS), POWDERY THALIA (THALIA DEALBATA), PICKEREWEED (PONTEDERIA CORDATA), OR HARD-STEM BULRUSH (SCHOENOPLECTUS ACUTUS). IF ONE-GALLON-SIZED PLANTS ARE NOT AVAILABLE, THEN 24 HALF-GALLON-SIZED PLANTS MAY BE SUBSTITUTED.
6. SITE SHOULD BE MAINTAINED AND MONITORED FOR TWO YEARS FOR INVASIVE SPECIES TREATMENT AS WELL AS INCIDENTAL REPAIRS. POTENTIAL INVASIVE SPECIES AT THIS SITE INCLUDE CATTAILS (*NYMPHA SPP*), JOHNSON GRASS (SORGHUM HALAPENSE), ELEPHANT EAR (*ALOCASIA SPP.*), AND ALLIGATOR WEED (*ALTERNANTHERA PHILOXEROIDES*.
7. ALL AREAS DISTURBED SHALL BE REVEGETATED PER CITY OF AUSTIN SPEC 6095.



APPENDIX Q-1: NET SITE AREA
Total gross site area = 1.5826 Acres
Site Deductions:
Critical water quality zone (CWQZ) = 1.4121 Acres
Water quality transition zone (WQTZ) = 0.0000 Acres
Wastewater irrigation areas = 0.0000 Acres
Deduction subtotal = 1.4121 Acres
Upland area (Gross area minus total deductions) = 0.1705 Acres
Net Site Area Calculation:
Area of Uplands with Slopes 0-15%, 0.1705 X 100% = 0.1705 Acres
Area of Uplands with Slopes 15-25%, 0.0000 X 40% = 0.0000 Acres
Area of Uplands with Slopes 25-35%, 0.0000 X 20% = 0.0000 Acres
Net Site Area (subtotal) = 0.1705 Acres
APPENDIX Q-2: IMPERVIOUS COVER
Allowable Impervious Cover
Impervious cover allowed at 10 % X WQTZ = 0.0000 Acres
Impervious cover allowed at 45% X NSA = 0.0767 Acres
Deductions for perimeter roadway = 0.0000 Acres
Total impervious cover 3,342 sf =0.0767 Acres
ALLOWABLE IMPERVIOUS COVER BREAKDOWN BY SLOPE CATEGORY:
Total acreage 15-25% = 0.0000 Acres X 10% = 0.0000
PROPOSED TOTAL IMPERVIOUS COVER:
Impervious cover in WQTZ = 0.0000 Acres = 0.00%
Impervious cover in Uplands Zone = 0.0146 Acres = 8.56%
Total proposed impervious cover = 0.0146 Acres
PROPOSED IMPERVIOUS COVER ON SLOPES:

SLOPE CATEGORIES	ACRES	AC.	% OF CATEGORY	AC.
0-15%	0.0146	0.1705	8.56%	
15-25%	0.0000			
25-35%	0.0000			
Over 35%	0.0000			
Total Site Area	0.1705			

TREE LIST

TAG NO.	COMMON NAME	SIZE	NOTES
1	ELM	21"	(B)
2	ELM	12"	
3	BALD CYPRESS	30"	
4	ASH	31"	(B)
5	BALD CYPRESS	36"	
6	BALD CYPRESS	36"	
7	LIVE OAK	36"	
8	LIVE OAK	51"	(B)

*(B) DENOTES BUNCH TREES

LEGEND

195 X — TREE TO BE RETAINED
• — TREE TO BE REMOVED
905 — EXISTING GRADING CONTOUR
PROPERTY LINE
LOC — LIMITS OF CONSTRUCTION
S/LOC — SILT FENCE & LOC
S — SILT FENCE
XX XX — TREE FENCE PROTECTION
CWQZ — CRITICAL WATER QUALITY ZONE
COMPATIBILITY SETBACKS

SHORELINE TABLE:

SHORELINE LENGTH = 290'
EXISTING CUMULATIVE DOCK WIDTHS = 89' OR 31% SHORELINE WIDTH
PROPOSED CUMULATIVE DOCK WIDTHS = 108' OR 37% SHORELINE WIDTH

NO.	DATE	REVISION	APPVD

STATE OF TEXAS BRUCE S. AUPPERLE 52027 LICENSED PROFESSIONAL ENGINEER

AUPPERLE COMPANY
Engineering, Planning & Development Services
2219 Westlake Drive #110, Austin, Texas 78746 512 329-8241
Texas Board Of Professional Engineers Registration Number F-1994

2608 Scenic Drive
Site Plan, Dock Plan & Elevations

DESIGNED: DMM
APPROVED:
SCALE: VARIES
2608 SCENIC DRIVE
DATE: Oct. 28, 2009
SHEET 2 of 2
2

2608 Scenic Drive - SP-2009-0298D

SP-2009-0298D