

FLOW HONDA/CDJR

TMP 45-68CD4
project ID: 23.039
Submitted 23 July 2025
Revised 26 September 2025

Context Map
Sheet 1 of 8



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- 2 - Site & SP Details
- 3 - Existing Conditions
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- 7 - Previously Approved Landscape
- 8 - Previously Approved Lighting

FLOW HONDA/CDJR
SITE & ZMA/SP DETAILS
Sheet 2 of 8

OWNER

Flow Hilton LLC
960 Hilton Heights Rd, Suite B
Charlottesville, VA 22901

APPLICANT

Flow Hilton LLC
960 Hilton Heights Rd, Suite B
Charlottesville, VA 22901

TMP

45-68D4

ACREAGE

6.14

MAGISTERIAL DISTRICT

Rio Magisterial District

WATER PROTECTION

No water protection ordinance buffer is present on the property.

SOURCE OF BOUNDARY & TOPOGRAPHY

Boundary survey and survey locating utilities, prepared by Foresight Surveying P.C. Additional information provided from Albemarle County GIS.

FLOODZONE

According to the FEMA Flood Insurance Rate Map, effective date February 4, 2005 (Community Panel 51003C0280D), no portion of this property lies within the floodplain.

ZONING

EXISTING: Highway Commercial
OVERLAYS: Entrance Corridor
PROPOSED: SP for Outdoor Sales, Storage, and Display

USE

EXISTING: Auto Dealership with Outdoor Sales, Storage, and Display and Auto Repair and Car Wash
PROPOSED: Auto Dealership with Outdoor Sales, Storage, and Display and Auto Repair and Car Wash

COMPREHENSIVE PLAN DESIGNATION

Commercial Mixed Use.

WATER AND SANITARY SERVICES

Site is located within ACSA jusisdictional area.

WATER SUPPLY WATERSHED

This site is not within a public water supply watershed.

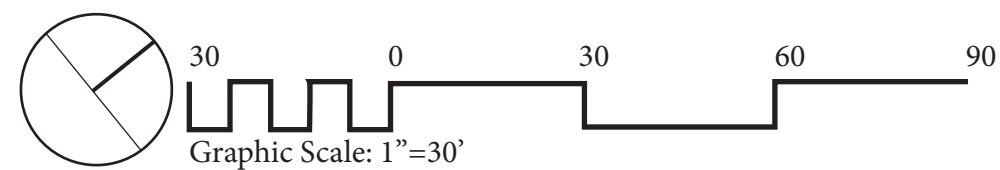
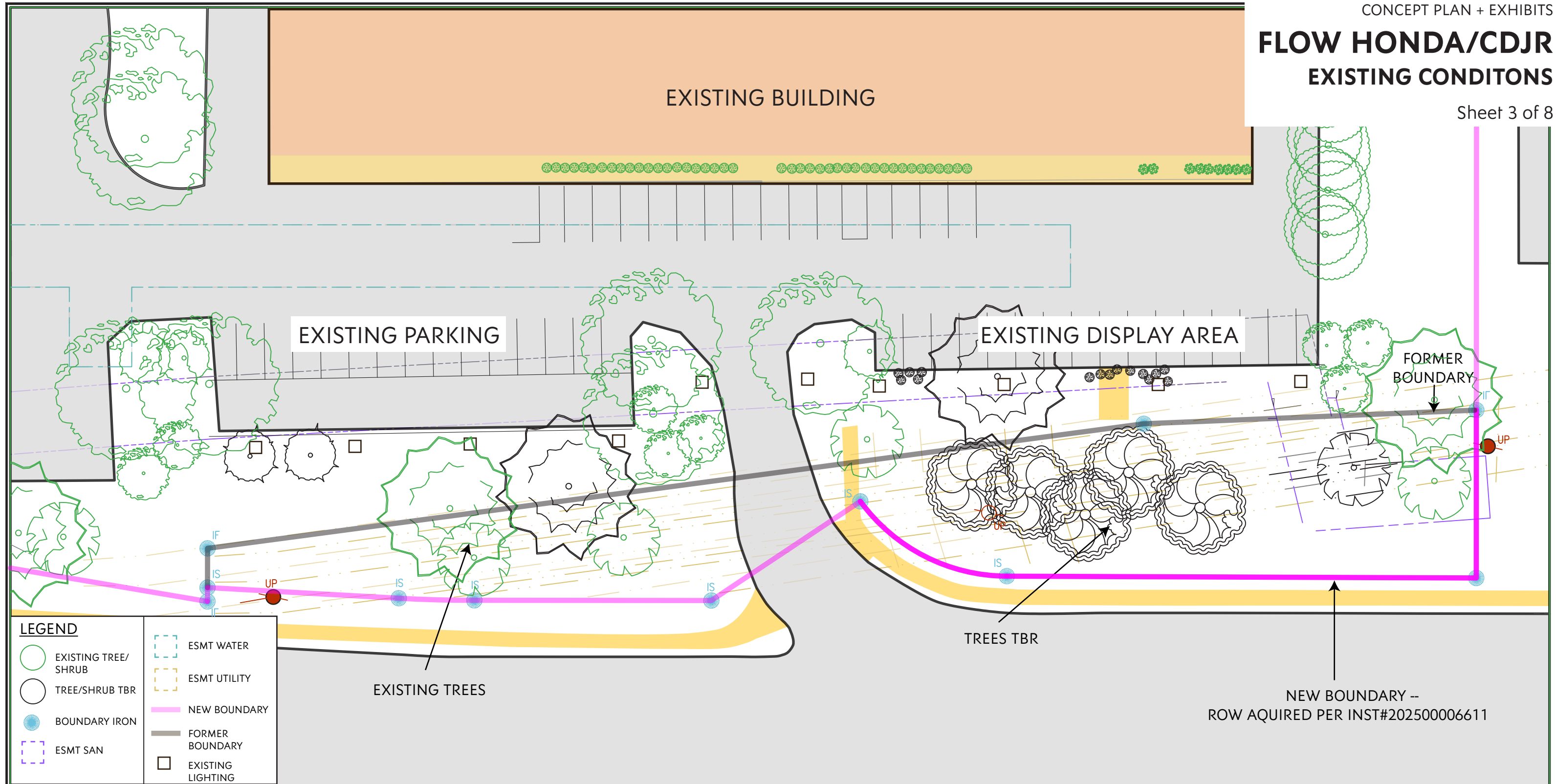
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FLOW HONDA/CDJR EXISTING CONDITONS

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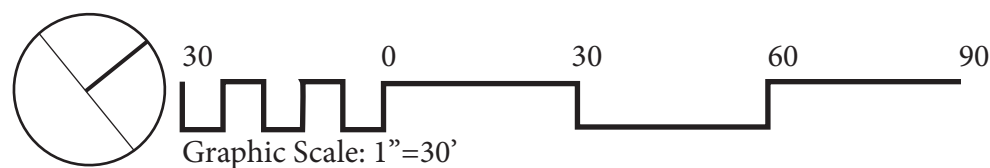
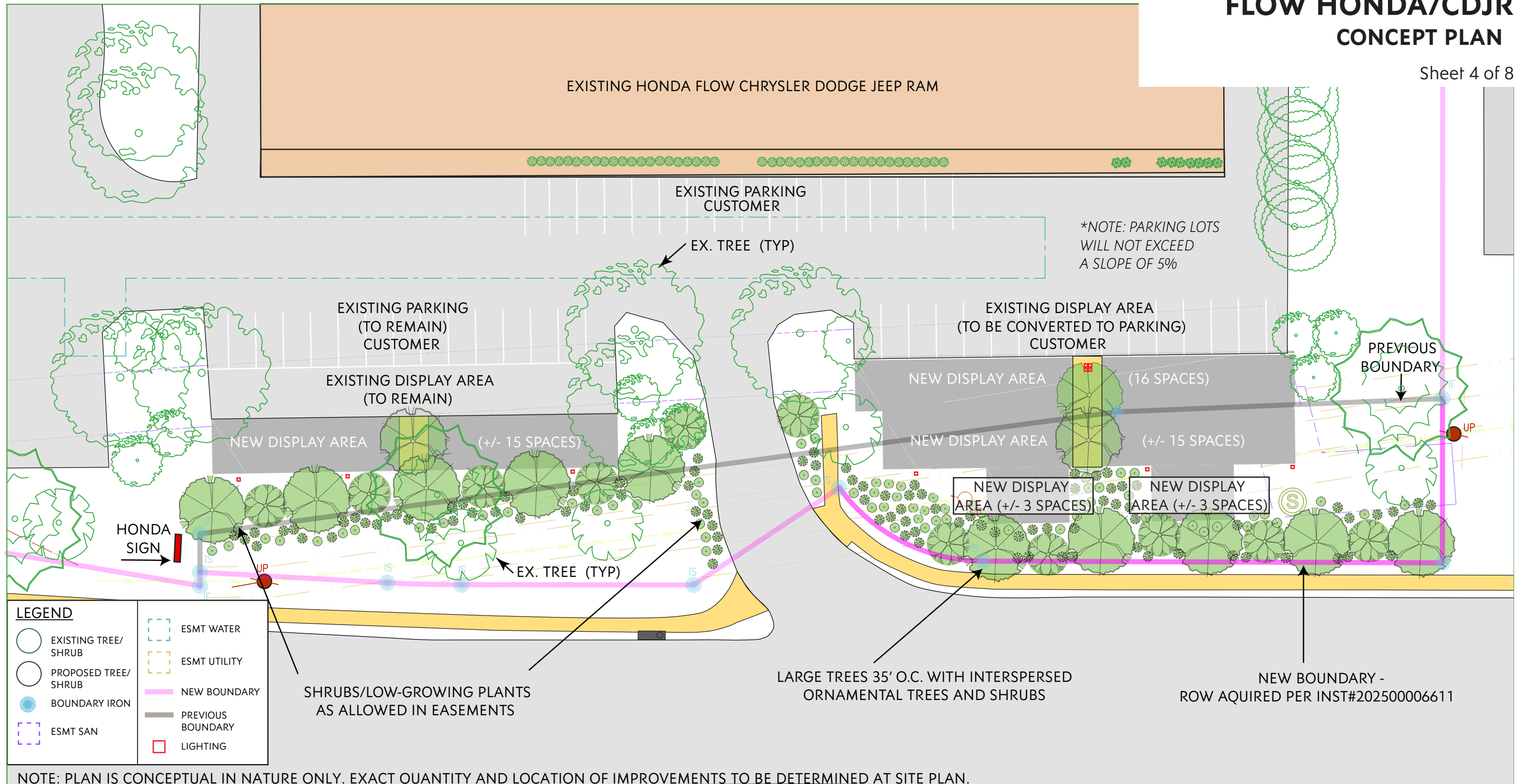


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SHIMP ENGINEERING, P.C.

FLOW HONDA/CDJR CONCEPT PLAN

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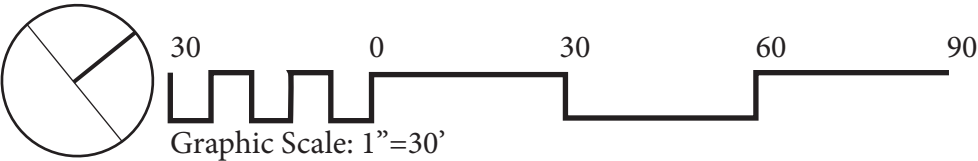
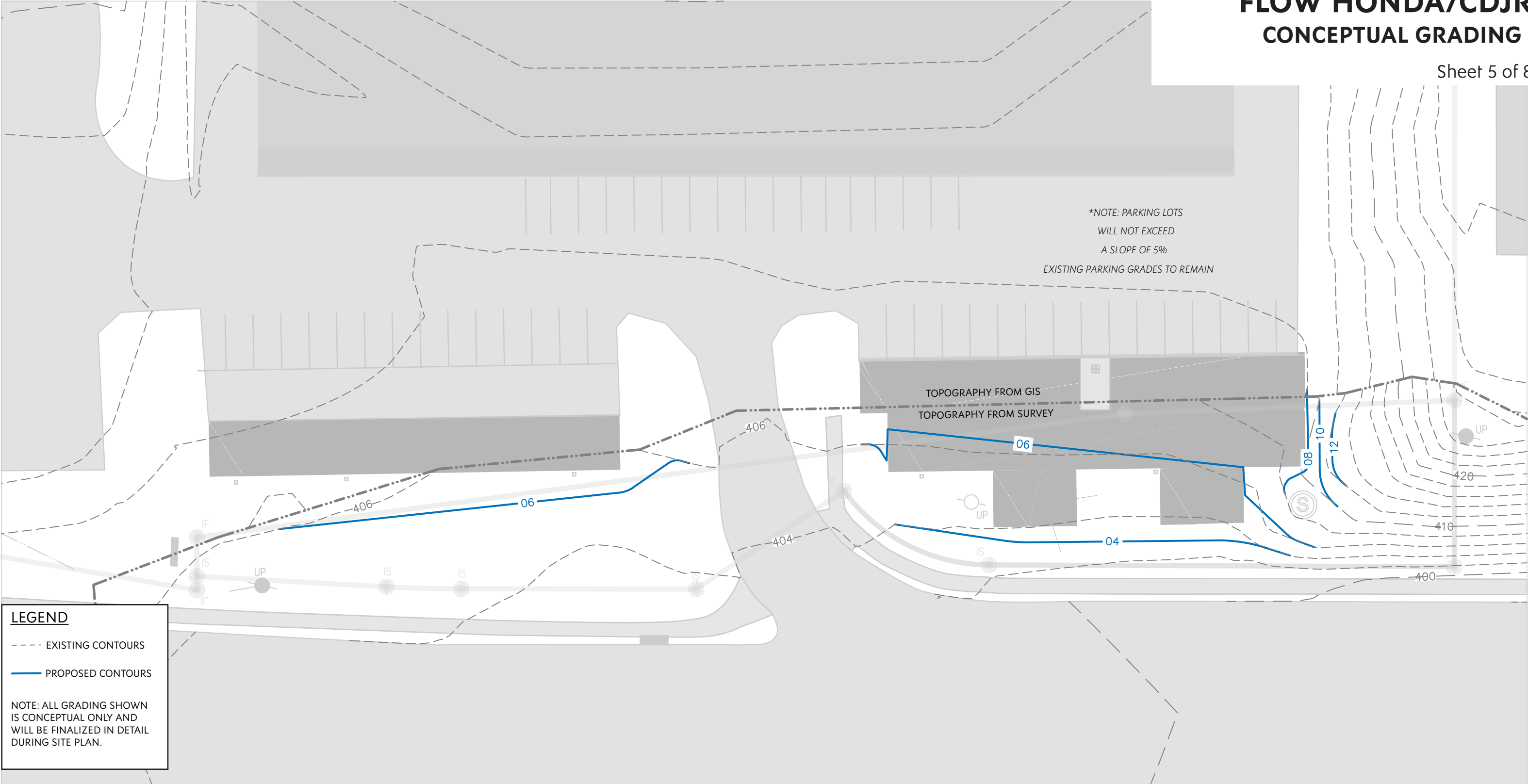


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CONCEPTUAL GRADING

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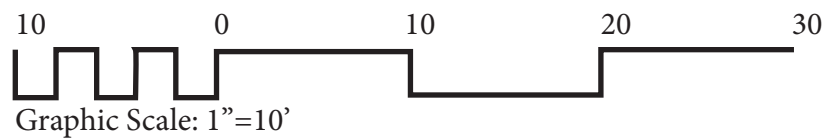
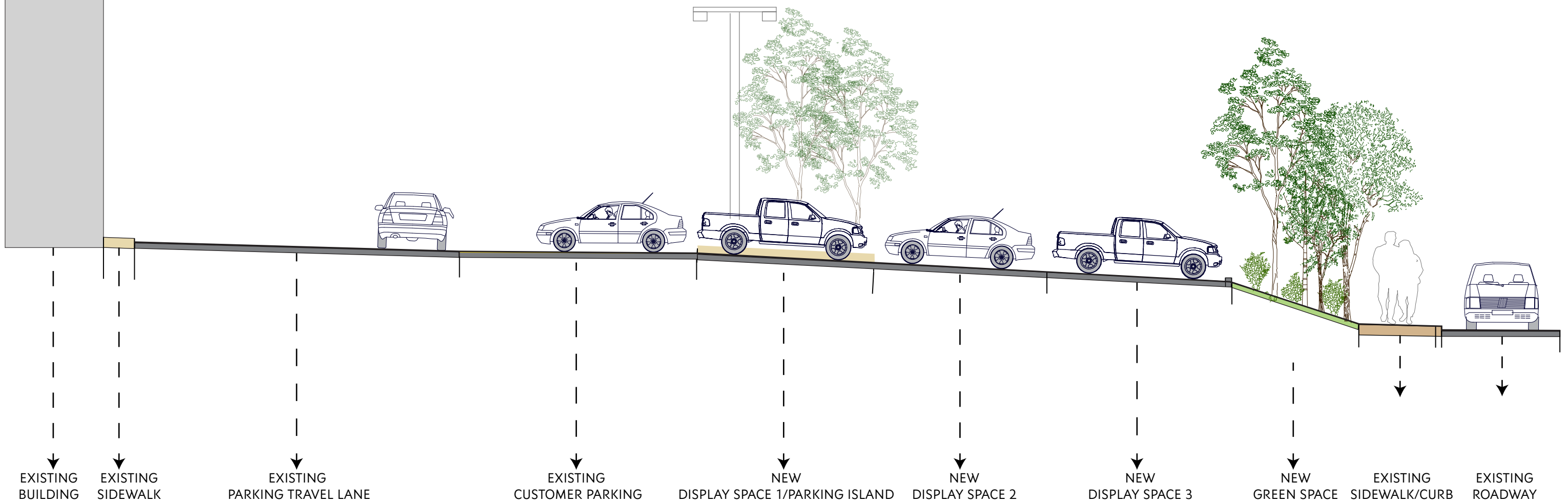
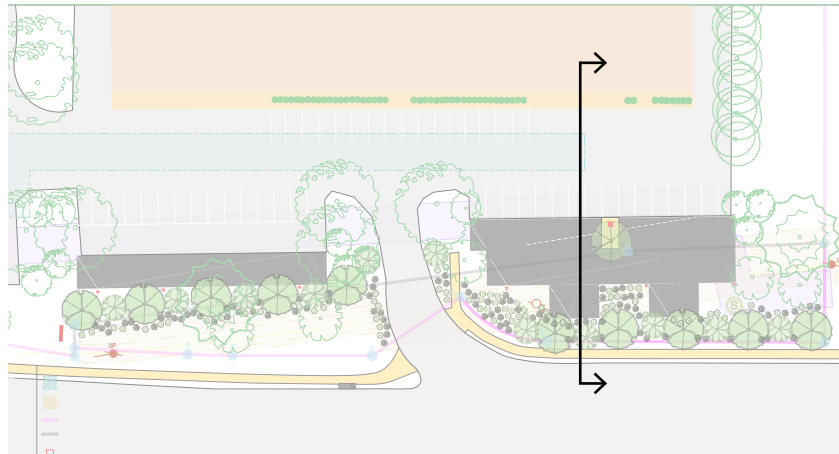


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CONCEPTUAL SITE SECTION

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EXISTING CANOPY	INCREASE IN HEIGHT IN 10 YRS. (Y)	DIAMETER AS A FUNCTION OF HEIGHT (MULTIPLIER R)
Species		
Sweetgum	25.00'	.75
Maple	20.30'	.72
Oak	17.14'	.73
	20.00'	.667
AVERAGE:	Y = 20.61'	R = .72
AVERAGE HEIGHT: 35'		

STEP 1: DETERMINE AVERAGE TREE DIAMETER (EXISTING)
Average Height X (R) = D1
(35 X .74) = 25.20'

STEP 2: DETERMINE AVERAGE TREE DIAMETER IN 10 YEARS
Average Height + Y X (R) = D2
(35 + 20.61 X .72) = 49.84'

STEP 3: DETERMINE CREDIT FOR ENCROACHMENT OF PRESERVED TREES INTO DISTURBED/OPEN AREAS OVER 10 YEARS
D2 - D1 = Canopy encroachment into open areas
49.84' - 25.20' = 24.64'

STEP 4: DETERMINE EXISTING CANOPY OF SAVED TREES WITH 10 YEARS ADDITIONAL GROWTH
Calculate areas of canopy saved on-site and project new canopy limits based on step 3 at 10 additional years maturity
(Existing tree area saved on-site) + (additional branch growth into open areas- see step 3 above) = resultant/new encroachment area
(4190) + (4664) = 8854 SF (0.20 AC)

STEP 5: DETERMINE TOTAL CANOPY CREDIT FOR SAVED TREES
Calculate areas of canopy saved on-site. Multiply by 1.25.
(Existing tree area saved on-site)
(4190) X (1.25) = 5237.5 SF (0.01 AC) [THIS IS THE CANOPY CREDIT]

STEP 6: DETERMINE REQUIRED CANOPY
[Basis for Canopy- see calculations below] X (X) = X SF (Y AC)
(4.75) X (10.10) = 0.475 AC (20.691 SF)
[THIS IS THE CANOPY REQUIRED]

STEP 7: DETERMINE ADDITIONAL CANOPY REQUIRED FROM NEW PLANTINGS
Subtract canopy credit from required canopy
(step 6) - (step 5): NEW CANOPY REQUIRED
0.475 AC - 0.01 AC = 0.465 AC (NEW CANOPY REQUIRED)

NOTES:
A 10% Tree Canopy value was applied to the site based on commercial, industrial or office uses.
An average 35' height was assumed for the existing trees on-site.
Values for the Area of Canopy provided above were taken from the Albemarle Tree Canopy Calculation Chart and using the best professional judgement.

NEW PLANTINGS (TO ACHIEVE CANOPY REQUIRED IF NECESSARY)

Tree type	Quantity	Height at Planting (feet)	Amount of Growth in 10 yrs (feet)	Height in 10 years (height + 10 yr growth)	Width in 10 years (width in 10 yrs x multiplier)	Area of Canopy (sq ft)	Total area of Canopy
Trident Maple	7	10	20	30.00	1.73	30.000	707
Red Sunset Maple	15	12	9	21.00	0.9	21.000	355
American Hornbeam	6	12	9	21.00	0.9	18.900	280
Cryptomeria	19	7	30	37.00	0.225	8.325	54
Kousa Dogwood	13	10	12	22.00	0.74	16.280	208
Hawthorn	9	10	7	17.00	0.9	15.300	184
Palmore Green Ash	46	14	15	29.00	0.85	24.650	477
Green Luster Holly	35	2	4	6.00	1	6.000	28
Inherry	47	8	10	18.00	0.57	10.260	83
Magnolia	35	8	10	18.00	0.57	10.260	83
Bayberry	166	2.5	20	22.50	1	22.500	397
Otto Luyken Laurel	65	2	10	12.00	0.775	9.300	68
White Pine	10	8	20	28.00	0.503	14.084	156
Pin Oak	5	12	20	32.00	1.503	48.096	166
Arborvitae	8	7	10	17.00	0.25	12.250	14
Chinese Elm	8	16	20	36.00	3.503	126.108	12484
						TREE CANOPY (FT)	235,176
						TREE CANOPY (AC)	5.40

ALL TREES IDENTIFIED ON THE PLANT LIST WERE USED TO COMPENSATE FOR TREE CANOPY DEFICIT.

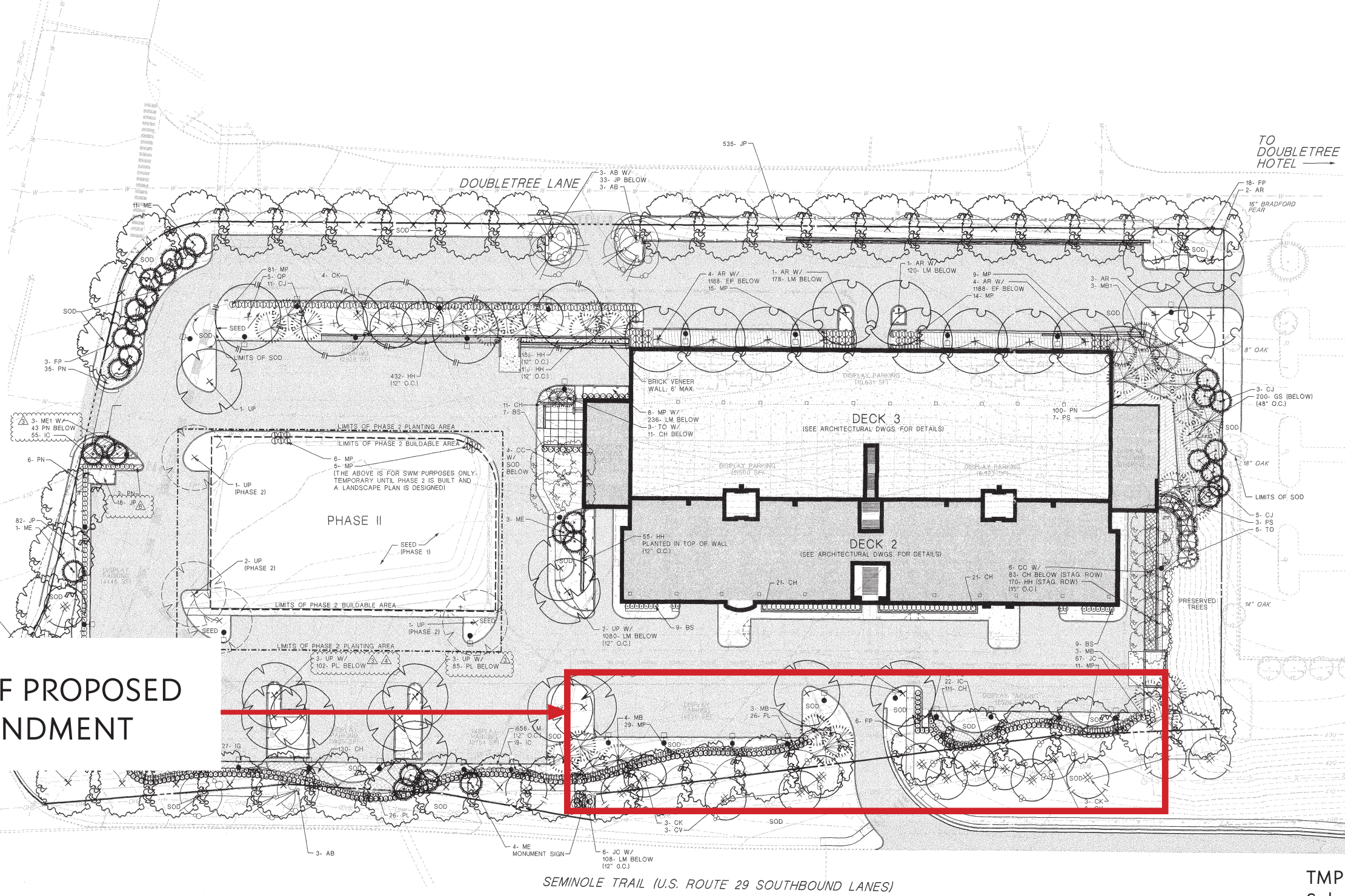
CH	Cotoneaster horizontalis	Rockspray Cotoneaster	453	7-8'	18-24"	3 G	Dense form, good color, well rooted in pot, 30" O.C.
CJ	Cryptomeria japonica 'Yoshino'	Yoshino Japanese Cryptomeria	19	2-2.5'	8-10"	3-4 B	Branched to ground, dense foliage, straight, pyramidal form
CK	Cornus kousa	Kousa Dogwood	13	2-2.5'	8-10"	3-4 B	Multi-trunk (3-5 trunks), dense, uniform branching
CV	Crataegus viridis 'Winter King'	Winter King Green Hawthorn	9	2-2.5'	8-10"	3-4 B	Straight trunk, branching begins at 2', balanced head, matched
EE	Eurospirus tortuosa var. coloratus	Purpleleaf Wintercreeper	2378	4"	pot (1 pint)	1 G	Dense form, good color, well rooted in pot, 12" O.C.
FP	Fraxinus pennsylvanica 'Palmore'	Palmore Green Ash	46	3.5-4"		3-4 B	Straight trunk, branching begins at 2', balanced head, matched
GS	Galearia sempervirens	Carolina Jasmine	200			1 G	Dense form, healthy color, uniform branching, 48" O.C.
HI	Hedra helix	English Ivy	953			2' plugs	Dense branching, well rooted, self-supporting stems
IC	Ilex crenata 'Green Lustre'	Green Lustre Japanese Holly	96	24-30"		3 G	Dense form, healthy color, uniform branching, 36" O.C.
IG	Ilex glabra 'Shamrock'	Shamrock Inkberry	44	24-30"		3 G	Dense form, healthy color, uniform branching, 36" O.C.
JC	Juniperus chinensis var. sargentii 'Glaucia'	Sargent Juniper	233	18-24"		3 G	Dense form, good color, well rooted in pot, 36" O.C.
JP	Juniperus chinensis 'Parsoni'	Parson's Juniper	638	18-24"		3 G	Dense form, healthy color, uniform branching, 36" O.C.
LM	Liriodie muscari 'Majestic'	Majestic Liriodie	3378			4" pot (1 pint)	Dense form, healthy color, uniform branching, 12" O.C.
MB	Magnolia grandiflora 'Bracken's Brown Beauty'	Bracken's Brown Beauty Magnolia	10	10-12'		3-4 B/cont	Branched to ground, dense foliage, straight, pyramidal form
MB1	Magnolia grandiflora 'Bracken's Brown Beauty'	Bracken's Brown Beauty Magnolia	6	8-10"		3-4 B/cont	Branching begins at 2', dense foliage, straight, pyramidal form
ME	Magnolia grandiflora 'Edith Bogue'	Edith Bogue Magnolia	19	8-10"		3-4 B/cont	Branched to ground, dense foliage, straight, matched
ME1	Magnolia grandiflora 'Edith Bogue'	Edith Bogue Magnolia	4	8-10"		3-4 B/cont	Tree-form, branching begins at 3-4', dense foliage, straight, matched
MP	Myrica pennsylvanica	Bayberry	196	24-30"		3 G	Dense form, healthy color, uniform branching, 48" O.C.
PL	Prunus laurocerasus 'Otto Luyken'	Otto Luyken Laurel	228	24-30"		3 G	Dense form, healthy color, uniform branching, 36" O.C.
PN	Pennisetum alopecuroides 'Hamelin'	Hamlin Fountain Grass	272	8-10"		3-4 B	Dense form, good color, well rooted in pot, 36" O.C.
PS	Pinus strobus	White Pine	10	2-5-3'		3-4 B	Branched to ground, dense foliage, straight, pyramidal form
QP	Quercus palustris	Pin Oak	5	2-5-3'		3-4 B	Straight trunk, branching begins at 2', balanced head, matched
TO	Thuja occidentalis 'Emerald'	Emerald Green Arborvitae	8	7-8'		3-4 B/cont	Branched to ground, dense foliage, straight, pyramidal form
UP	Ulmus parvifolia 'Athena'	Athena Chinese Elm	14	3.5-4"		3-4 B	Straight trunk, branching begins at 2', balanced head, matched

SP-2025-03 (AMENDMENT TO SP-2002-46)
CONCEPT PLAN + EXHIBITS

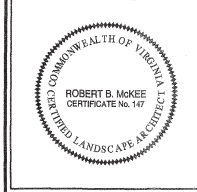
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SDP-2003-67 APPROVED LANDSCAPING

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AREA OF PROPOSED AMENDMENT



BROWN AUTO PARK
Albemarle County, Virginia
LANDSCAPE AND LIGHTING PLAN

Revisions:
1. 9/2/03 COUNTY REVISIONS
3. 11/10/03 ARB & ACSA COMMENTS
4. 11/18/03 ARB COMMENTS
6. 12/12/03 ZONING COMMENTS

Scale: 1" = 30'
Date: 7/28/03

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THIS SHEET TO BE USED FOR | || |

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SDP2003-00067 APPROVED LIGHTING

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CONSTRUCTION

- Precision die-cast aluminum housing.
- Precision fully gasketed die-cast aluminum lens frame.
- Construction and gasketing prohibit dust, moisture, and bug entry.
- Toolless entry into housing/lamp chamber via doorless lens latch.
- Corrosion resistant Dupont Kynar polyester powder coated finish.
- Custom designer finishes available. See page 281 in the product catalog.
- Potentially spring loaded 40V pulse rated socket-mount lamp.
- High Power Factor CWA ballast.
- Electrical components mounted to forged ballast tray.
- Operating temperature: 120°F (40°-140°).
- MAQMA-200V-300°.

ELECTRICAL

- 150 to 400 Watt (MAX) Metal Halide
- 100 to 400 Watt (MAX) High Pressure Sodium

OPTICS

- Clear polycarbonate anodized aluminum reflector.
- Type IV reflector incorporates segmented inserts.
- 400W MAQMA Type II and IV optics require replaceable outer jacketed lamps.

MOUNTING

- Factory installed die-cast aluminum arm.
- Arm contains integral wiring/data chamber via side access.
- New arm design provides one person installation.
- Hands free wiring.

WARRANTY/LISTINGS

- 5 Year limited warranty.
- UL 1572 listed for wet locations.

ORDERING GUIDE EXAMPLE

Label	Power	Finish	Optics	Mounting	Warranty
SMR	200	MAQMA	MAQMA	MAQMA	MAQMA

Notes:

- CONTRACTOR TO REFER TO SUPPLIER FOR ORDERING, VERIFICATION OF BOLT PATTERN AND GROUNDING REQUIREMENTS.
- FINISH COLOR AS NOTED.
- SUPPLIER: EXCELINE, UNION, NEW JERSEY; 908-964-7000

Notes:

- CONTRACTOR TO REFER TO SUPPLIER FOR ORDERING, VERIFICATION OF BOLT PATTERN AND GROUNDING REQUIREMENTS.
- FINISH COLOR AS NOTED.
- SUPPLIER: HYDREL, SYLMAR, CALIFORNIA; 618-362-9465

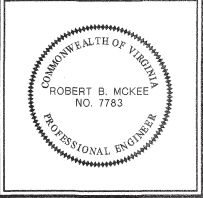
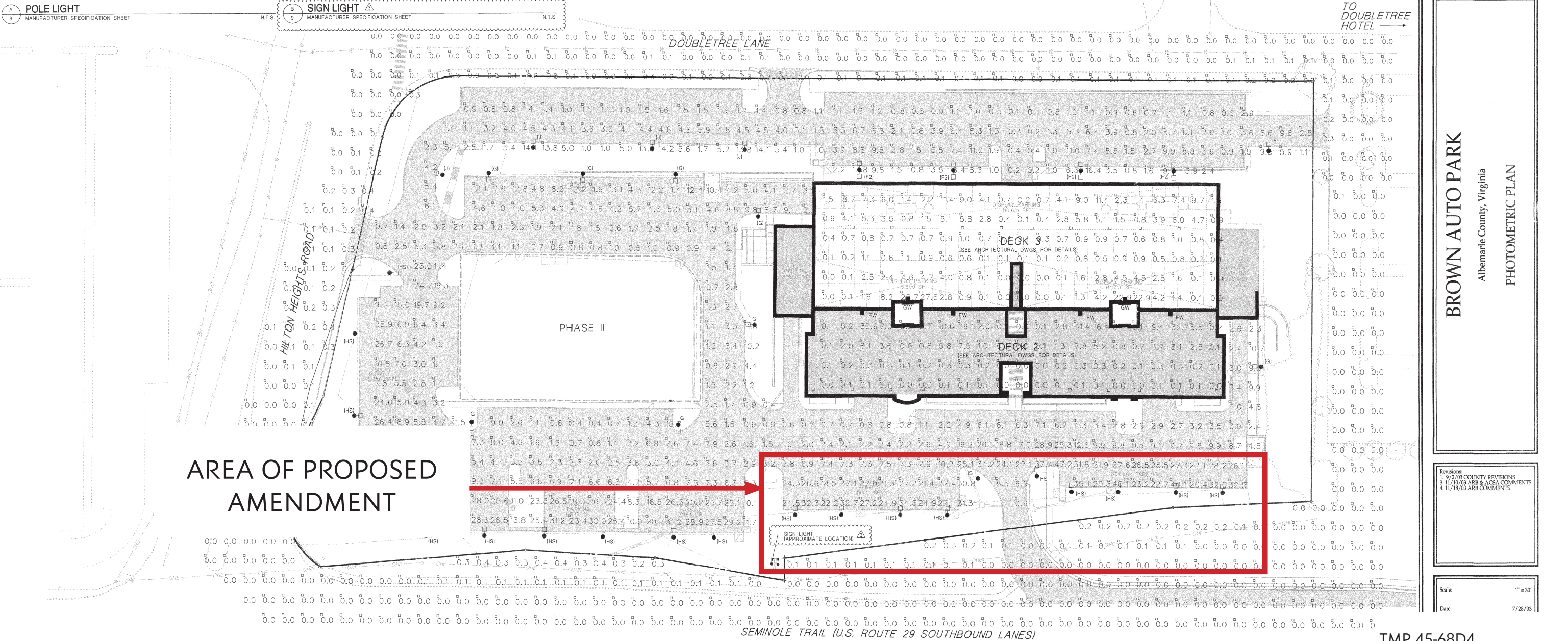
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Rear Area FC Spill	ILLUMINANCE	Fc	0.04	0.3	0.0	0.00	0.00
Upper Paved Lot FC	ILLUMINANCE	Fc	3.87	16.4	0.1	38.70	164.00
Upper Deck FC	ILLUMINANCE	Fc	2.79	27.6	0.0	0.00	0.00
Lower Deck FC	ILLUMINANCE	Fc	3.15	32.7	0.0	0.00	0.00
FC Spill at Prop. Line	ILLUMINANCE	Fc	0.04	0.4	0.0	0.00	0.00
Lower Lot Grade FC	ILLUMINANCE	Fc	10.68	47.2	0.4	26.70	118.00

ALL VALUES SHOWN ARE HORIZONTAL "INITIAL" FOOTCANDLES AT GRADE
SEVERE ELEVATION CHANGES ARE INCLUDED IN CALCULATIONS TO SIMULATE ACTUAL CONDITIONS
VALUES DO NOT INCLUDE SUPPLEMENTAL LIGHTING FROM ADJACENT PROPERTIES OR STREETS

Label	Avg	Max	Min	Avg/Min	Max/Min
FRONT ROW DISPLAY FC	21.55	42.2	0.9	23.94	46.89

THESE REFER TO THE VALUES IN THE FRONT MAIN ROW AREA ONLY

- CONTRACTOR TO PROVIDE LIGHTING INSTALLER AS-BUILT UTILITY PLANS PRIOR TO LIGHTING SYSTEM INSTALLATION.
- ALL LIGHTS SHOWN ARE IN THEIR APPROXIMATE LOCATION. FIELD ADJUSTMENTS SHALL BE DONE. CONTACT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION FOR FIELD APPROVAL.
- CONTRACTOR TO PROVIDE AND COORDINATE WITH LIGHTING INSTALLER LOCATION FOR ALL WEATHERPROOF JUNCTION BOX FOR FLOODLIGHTS.
- CONTRACTOR TO SIZE AND CONSULT ARCHITECT ON LOCATIONS OF ALL TRANSFORMERS.
- ALL POLE SHAFTS SHALL BE SQUARE STRAIGHT STEEL UNLESS OTHERWISE NOTED BY ARCHITECT.



BROWN AUTO PARK
Albemarle County, Virginia
PHOTOMETRIC PLAN

Revisions:
1. 9/2/03 COUNTY REVISIONS
3. 11/10/03 ARB & ACSA COMMENTS
4. 11/18/03 ARB COMMENTS

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