

Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review Planning & Preservation Division 900 E. Broad Street, Room 510 Richmond, Virginia 23219 (804) 646-6335

http://www.richmondgov.com/CommitteeUrbanDesign

Application Type Addition/Alteration to Existing Structure New Construction Streetscape Site Amenity	Encroachment Master Plan Sign Other	Review Type Conceptual Final
Project Name:		
Project Address:		
Brief Project Description (this is not a replacement		arrative) :
Applicant Information (on all applications other than encroachments, a City agence)	by representative must be the applic	cant)
Name:		
City Agency:	Phone:	
Address:		
Main Contact (if different from Applicant):		
Company:	Phone:	
Email:		

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. Late or incomplete submissions will be deferred to the next meeting.

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

Date: October 1, 2014

Brookland Park Boulevard Streetscape Project Narrative and Scope of Work

LOCATION:

From: Montrose Avenue **To:** Lamb Avenue

CONSTRUCTION BUDGET

Estimated Construction Cost, based on 90% Plans:

Phase 1 - Barton to Garland = \$600,000 Phase 2 - Garland to Fendall = \$600,000

Phase 3 - Fendall to Montrose = \$650,000

FUNDING SOURCE:

Design Fund: City funded from Miscellaneous Street and Neighborhood Sidewalk Funds Construction Fund: Unknown at this time. Construction funding will be based on the final engineering opinion of probable cost after completion of the construction documents.

Project Schedule:

Anticipated Final Design Completion by: November 2014

Construction: TBD pending construction funding appropriation. Construction of improvements will be completed in several phases pending on the available fund.

PROJECT DESCRIPTION

Brookland Park Boulevard is an existing two-lane roadway with on street parking and concrete curb between the intersection with Montrose Avenue and the intersection with Lamb Avenue. In 2011, the City of Richmond constructed curb chokers with landscaping and ADA curb ramps along Brookland Park Boulevard at the intersections of Lamb Avenue and Woodrow Avenue.

This project will extend the construction of curb chokers and landscaping along Brookland Park Boulevard to the west at the intersections with Barton Avenue, Garland Avenue, Hanes Avenue, Fendall Avenue, Griffin Avenue, Edgewood Avenue and Montrose Avenue. The Department of Public Works Traffic Engineering group recently upgraded the signal equipment and ADA curb ramps at the intersection of Brookland Park Boulevard and North Avenue, therefore no additional improvements are planned at this existing signalized intersection.

The sidewalk along the south side of Brookland Park Boulevard will be replaced and reconstructed to comply with ADA guidelines along with the installation of appropriately spaced street trees from Montrose Avenue to Griffin Avenue as recommended by the City Arborist.

Additional 10 ornamental lights similar to the existing lights on the existing poles will be added within project corridor. Curb chokers will also be constructed at the mid-block alley intersections of each block within the commercial core of the project corridor (i.e. from Fendall Avenue to North Avenue).

Urban Design Committee recommends:

UDC File No. 12-38 Agenda Item No. 14b

1- That the final plans show the location of any legal on-street parking spaces that will be lost as part of the improvement project.

(Sheet 2F(1) to 2F(2)) – The legal on-street parking spaces are shown.

2- That the final plans show the location and dimensions and of any GRTC bus stops along the project corridor.

(Sheet 2F(1) to 2F(2)) – The GRTC bus stops are shown.

3- That the applicant considers providing a paved line along the corridor delineating the on-street parking area.

The City TE division does not support marking the edge line within the corridor.

4- That the applicant considers providing markings that delineate the individual on street parking spaces.

Sheet 13(1) to 13(2) – TED is considering adding knuckels to the spaces as depicted on the plans.

5- That the curb extensions provided by the alleys are reduced to their minimum size to increase space for on-street parking.

Kimley-Horn reduced the curb extensions as the alley to the minimum size.

6- That the applicant work with property owners in the corridor to narrow, eliminate, or move to side streets the vehicular access to their properties.

The plan depicts several entrances being closed that would interfere with the proposed improvements.

7- That the applicant identifies new locations for freestanding ornamental lights, to match the existing fixture, and to identify locations where fixtures can be mounted to the rear of utility poles, as is currently done.

DPU developed locations for ornamental lights (attached to the existing utility poles) along the corridor, and these locations are identified in the plans.

8- That the applicant consider providing long and narrow tree wells in the western area of the corridor where there are residential uses fronting on the side streets, allowing both for additional street trees and areas of widened sidewalks.

(Sheets 7 and 8) Long and narrow tree wells were added to save the existing trees south of Edgewood Avenue and supplement the proposed improvements between Grayland and Edgewood.

9- That the final plans show the precise location of the proposed street trees, and provides a landscaping schedule indicating plant species, quantity, and size at the

time of installation.

(Sheets 7 through 12) The requested landscape details and information is provided on the landscape plans.

10- That the planting palette is reflective of the plants utilized for the "6 Points" roundabout further east on Brookland Park Boulevard.

(Sheets 7 through 12) The planting palette was coordinated with the Urban Forestry Division and is reflective of that used for the "Six Points" roundabout project.

11- That more trees are provided in the project area, especially in the commercial area.

Kimley-Horn conducted a study of introducing plants within the commercial area. Based on the existing constraints within this area of the corridor, it is recommended to not reintroducing the street trees. The constraints include both sidewalk width and existing utilities running both parallel to the building faces, as well as laterally to service the businesses. Note that street trees were removed from this area of the corridor based on complaints and desire of the adjacent businesses and residents. Further, the City received comments from the adjacent businesses and residents during a presentation to the neighborhood community association not in support of street trees in the commercial areas.

12- That prior to final review, the applicant provide evidence that the landscaping plan has been reviewed and approved by the Urban Forestry division of the Department of Public Works.

The Urban Forestry Division has reviewed the landscaping plans.

13- That the final plans indicate the number and location of any amenities such as benches, trash receptacles, etc.

(Landscape Plans) The landscape plans indicate number and location of street furniture amenities to be constructed with the project.

CITY OF RICHMOND, VIRGINIA

DEPARTMENT OF PUBLIC WORKS ENGINEERING & TECHNICAL SERVICES

G	Q II	
	RÎCH	MOND
		11
F		
-	VIRO	GINIA

FU	FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA			
UR	BAN MINOR ARTERIAL 25 MPH DESIGN SPEED			
	From: 550' West of Montrose Avenue			
	To: 595' East of Barton Avenue			
ADT(2012)	9400			
DHV AM/PM	745			
D (%)	59.9%			
Т (%)	1%			
V (MPH)	25 MPH			

SH	HEET INDEX
Sheet Number	Sheet Title
1	TITLE SHEET
1A(1)	SURVEY ALIGNMENT DATA
1A(2)	SURVEY DATA - EXISTING SANITARY SEWER DATA
1A(3)	SURVEY DATA - EXISTING STORM SEWER DATA
1B	CONSTRUCTION ALIGNMENT DATA SHEET
10(1)	TRAFFIC MANAGEMENT PLAN
1C(2)	TYPICAL MOT PLAN
10(3)	TYPICAL MOT PLAN
10(4)	TYPICAL MOT PLAN
10(5)	TYPICAL MOT PLAN
2	GENERAL NOTES
2A	TYPICAL SECTIONS
2B(1)	INSERTABLE SHEETS
2B(2)	INSERTABLE SHEETS
28(3)	INSERTABLE SHEETS
	INSERTABLE SHEETS
2B(4)	INSERTABLE SHEETS INSERTABLE SHEETS
2B(5)	INSERTABLE SHEETS INSERTABLE SHEETS
2B(6)	
2C(1)	INTERSECTION CHOKER DETAILS
2C(2)	INTERSECTION CHOKER DETAILS
20(3)	INTERSECTION CHOKER DETAILS
2C(4)	INTERSECTION CHOKER DETAILS
2C(5)	INTERSECTION CHOKER DETAILS
2D	CONCRETE PAVER CROSSWALK DETAIL
2E(1)	MODIFIED TRAP BASIN DETAIL SHEET
2E(2)	MODIFIED TRAP BASIN DETAIL SHEET
2E(3)	MODIFIED TRAP BASIN DETAIL SHEET
2F(1)	ON-STREET PARKING SUMMARY
2F(2)	PARKING SUMMARY
3	MONTROSE AVE TO EDGEWOOD AVE
3A	MONTROSE AVE TO EDGEWOOD AVE E&SC
3B	MONTROSE AVE TO EDGEWOOD AVE ALLEY PROFILES
3C	MONTROSE AVE TO EDGEWOOD AVE STORM PROFILES
4	GRIFFIN AVE TO FENDALL AVE
4A	GRIFFIN AVE TO FENDALL AVE E&SC
4B	GRIFFIN AVE TO FENDALL AVE ALLEY PROFILES
4C	GRIFFIN AVE TO FENDALL AVE STORM PROFILES
5	HANES AVE TO GARLAND AVE
5A	HANES AVE TO GARLAND AVE E&SC
5B	HANES AVE TO GARLAND AVE ALLEY PROFILES
5C	HANES AVE TO GARLAND AVE STORM PROFILES
6	NORTH AVE TO BARTON AVE
6A	NORTH AVE TO BARTON AVE E&SC
6B	NORTH AVE TO BARTON AVE STORM PROFILES
7	MONTROSE AVE TO EDGEWOOD AVE LANDSCAPE PLAN
8	GRIFFIN AVE TO FENDALL AVE LANDSCAPE PLAN
9	HANES AVE TO GARLAND AVE LANDSCAPE PLAN
10	NORTH AVE TO BARTON AVE LANDSCAPE PLAN
11	LANDSCAPE DETAILS
12	LANDSCAPE DETAILS
13(1)	MONTROSE AVE TO FENDALL AVE SIGNAGE AND STRIPING
	HANES AVE TO BARTON AVE SIGNAGE AND STRIPING
13(2)	HANES AVE TO BAKTON AVE SIGNAGE AND STRIPING

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF RICHMOND DESIGN AND CONSTRUCTION STANDARDS MANUAL, 2007 VDOT ROAD AND BRIDGE SPECIFICATIONS, 2008 VDOT ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 YIRGINIA SUPPLEMENT TO THE MUTCD, 2011 YIRGINIA WORK AREA PROTECTION MANUAL, AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE PAPER VERSION OF THE PLAN ASSEMBLY INCLUDING ALL REVISIONS.

ALL WORK IS CONTAINED WITH-IN EXISTING RIGHT-OF-WAY AND NO PROPOSED RIGHT-OF-WAY OR EASEMENT IS REQUIRED.

THE ORIGINAL SIGNED/APPROVED TITLE SHEET, INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE CITY OF RICHMOND DEPARTMENT OF PUBLIC WORKS OFFICE.

a plantin abanda abah ckana di ujada katari		A CONTROL OF STREET OF STR	Service of the servic
	The control of the co	December 19	

VICINITY MAP

ORAPHIC SCALE IN FEET 10000

SEPTEMBER 15, 2014

OWNER:
CITY OF RICHMOND
DEPT. OF PUBLIC WORKS
CITY HALL, RM 603, RICHMOND, VA
PROJECT MANAGER - Manouchehr Nosrati
CONTACT # 804-646-6319

AGENT:

Kimley Whorn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

BROOKLAND PARK BOULEVARD STREETSCAPE

FROM: Montrose Avenue

TO: Barton Aveune

FINAL UDC PLANS - 9/15/14

NOT FOR CONSTRUCTION

REVISIONS NO. DATE COMMENTS

CITY OF RICHMOND

APPROVED FOR CONSTRUCTION

CAPITAL PROJECTS ADMINISTRATOR

DIRECTOR OF PUBLIC WORKS

CITY ENGINEER

SURVEYS SUPERINTINDENT
PROJECT MANAGER

DRAWING NO.: 0-28558

PAVEMENT OVERLAP

1. SEE PLANS AND CROSS SECTIONS FOR PAVEMENT AND SIDEWALK TRANSITIONS.

2. TIE ALL UNDERDRAINS INTO DROP INLETS UNLESS OTHERWISE INDICATED.

3. CURB & GUTTER EXTENSIONS WILL GENERALLY MATCH THE EXISTING ROADWAY CROSS SLOPE.

4. DURING CONSTRUCTION IF SOILS DEEMED TO BE "UNSUITABLE" ARE FOUND THE CONTRACTOR SHALL REMOVE THIS MATERIAL UP TO 1' BELOW

GEOTEXTILE FABRIC AS DIRECTED BY THE FIELD ENGINEER.

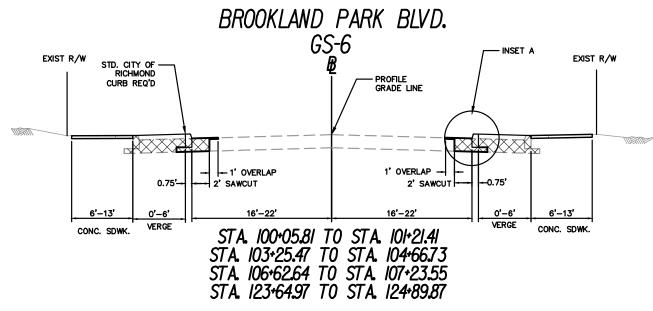
5. PAVEMENT CORE SAMPLES WERE DRILLED AND THE BROOKLAND PARK BLVD. MAINLINE WAS FOUND TO BE 9" OF CEMENT CONCRETE WITH 3" BITUMINOUS PAVEMENT OVERLAY AND THE

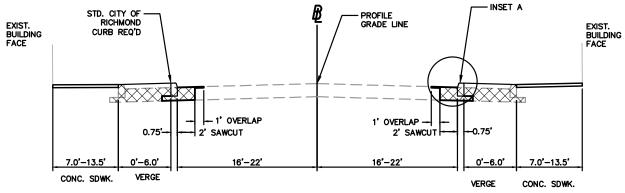
EXISTING SIDE ROADS TO BE 9" BITUMINOUS

SUBGRADE, PLACE SUITABLE BACKFILL, AND/OR GEOTEXTILE FABRIC AS DIRECTED BY THE FIELD

NOTES:

TYPICAL SECTIONS NOT TO SCALE





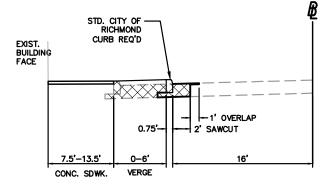
DENOTES FULL DEPTH DEMOLITION AND REMOVAL OF EXISTING PAVEMENT AND CURB

STA. 107+42.65 TO STA. 107+91.44 STA. 113+56.44 TO STA. 114+78.40 STA. 116+97.88 TO STA. 118+28.19

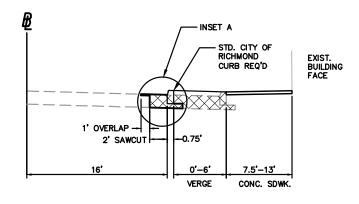
- INSET A 7" THICK STD. CITY OF CONCRETE RICHMOND PROFILE GRADE LINE CURB REQ'D 7" THICK CONCRETE **GUTTER** - 1' OVERLAP 1' OVERLAP -0.75 2' SAWCUT 0.75 --0.75 2' SAWCUT -0.75 4.0' 4.0' ISLAND 7.0'-7.5' CONC. SDWK. 1.6'-2.4' CONC. SDWK. 1.8'-2.5' GUTTER

STA. 112+06.31 TO STA. 112+82.56 STA. 115+51.81 TO STA. 116+29.30 STA. 118+97.33 TO STA. 119+74.42

BROOKLAND PARK BLVD. GS-6

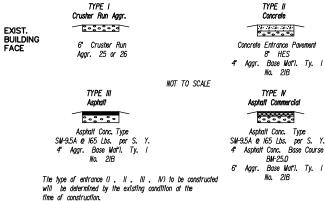


STA. 109+94.46 TO STA. 110+57.23



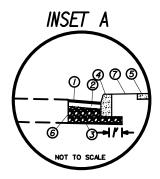
STA. 110+86.28 TO STA. 111+39.49 STA. 112+82.56 TO STA. 112+97.67

PRIVATE AND COMMERCIAL ENTRANCES



Kimley-Horn & Associates, Richmond, Virginia ROADWAY ENGINEER

VICINITY SKETCH



- () 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE SM-9.5A ● 220 LB/SY
- 7" ASPHALT CONCRETE BASE COURSE,
- 3 10.0" AGGREGATE SUBBASE COURSE, VDOT NO. 21B
- (4) STD. CITY OF RICHMOND CURB REQ'D
- 5 4" HYDRAULIC CONCRETE, CLASS A-3
- 6 2' WIDE SAWCUT OF EXIST. HYDRAULIC CEMENT CONCRETE PAVEMENT
- (7) VARIES GRASS OR CONCRETE

Kimley » Horn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

2A

2/2/18 Storm / Misc. Manhole ③/@/@ OL: XX MW, ME, SW, SI

EXIST.

FACE

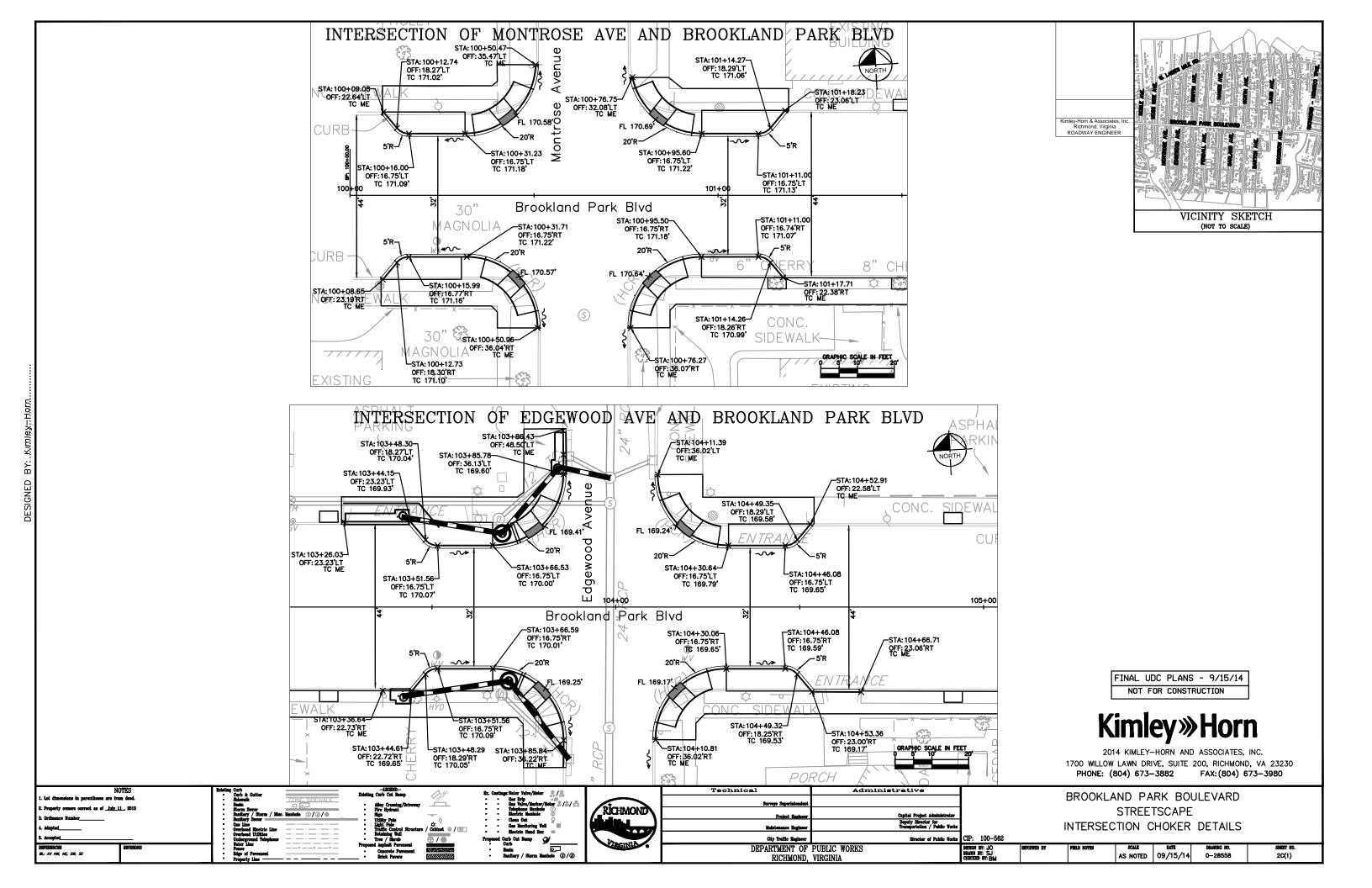
RÎCHMOND

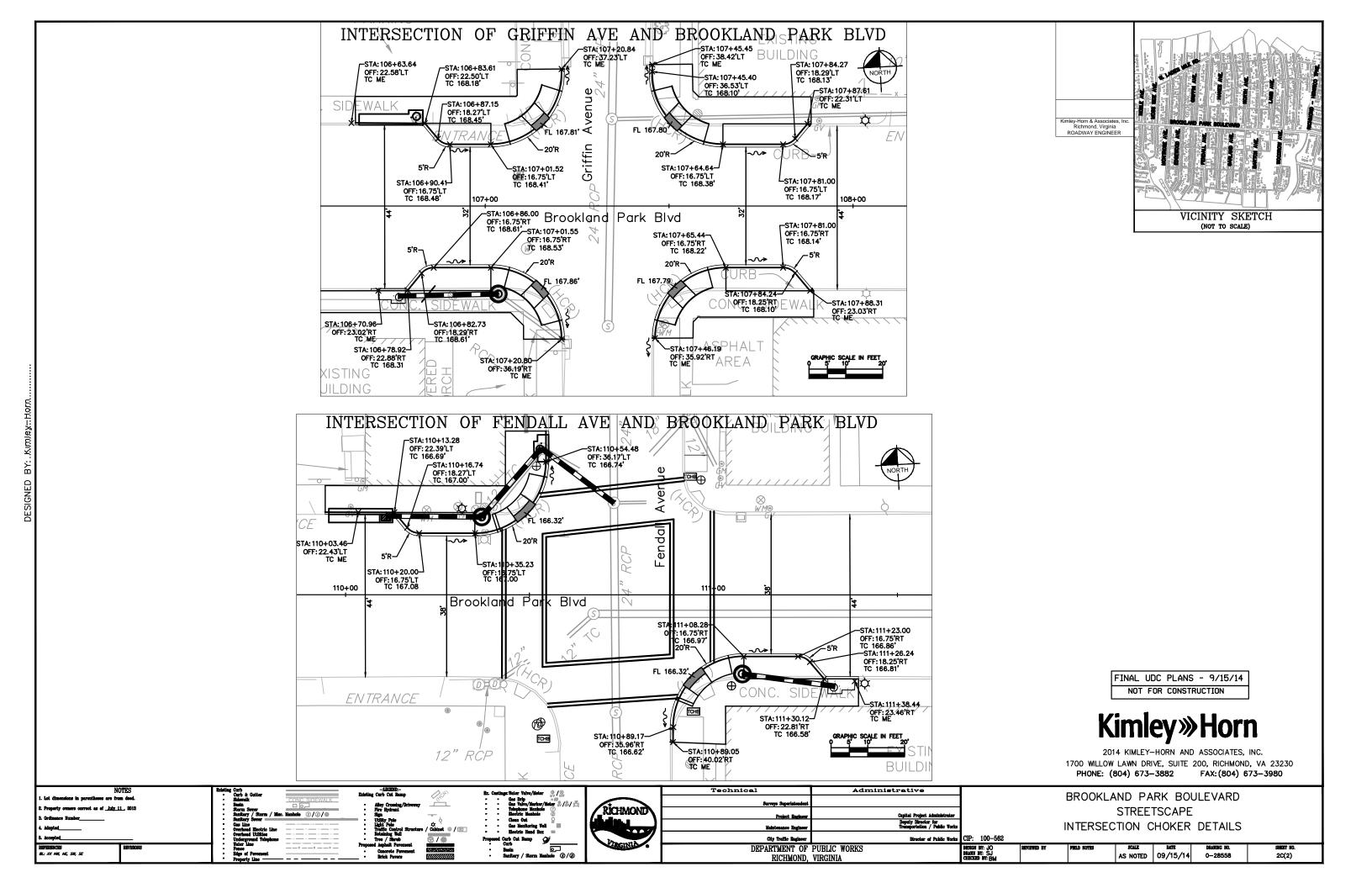
Technical	Administrative	
Surveys Superintendent		
Project Engineer	Capital Project Administrator	
Maintenance Engineer	Deputy Director for Transportation / Public Works	
City Traffic Engineer	Director of Public Works	CIP
DEPARTMENT OF	PUBLIC WORKS	DESI
RICHMOND,	VIRGINIA	DRAM CHE

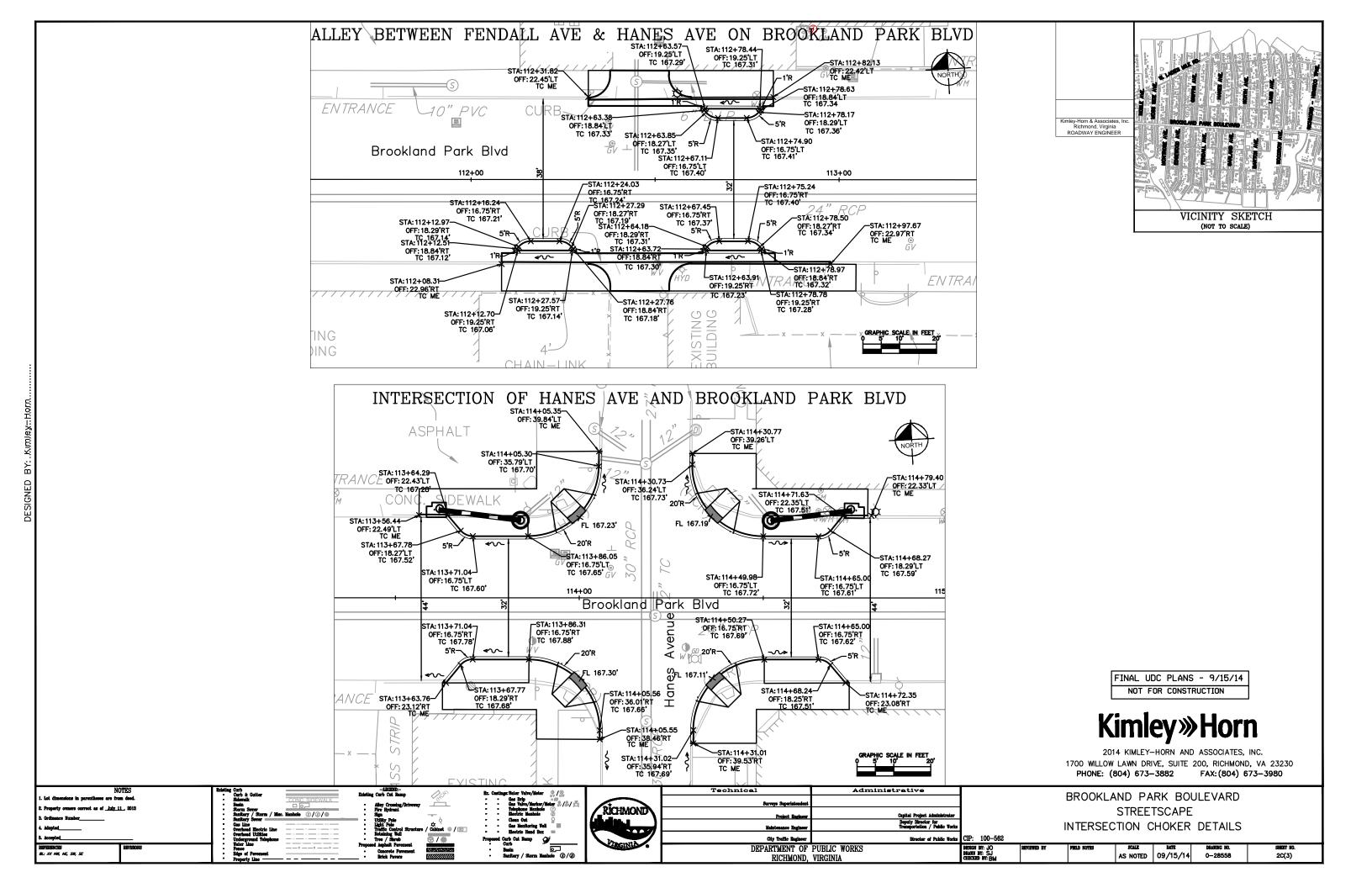
BROOKLAND PARK BOULEVARD STREETSCAPE TYPICAL SECTIONS

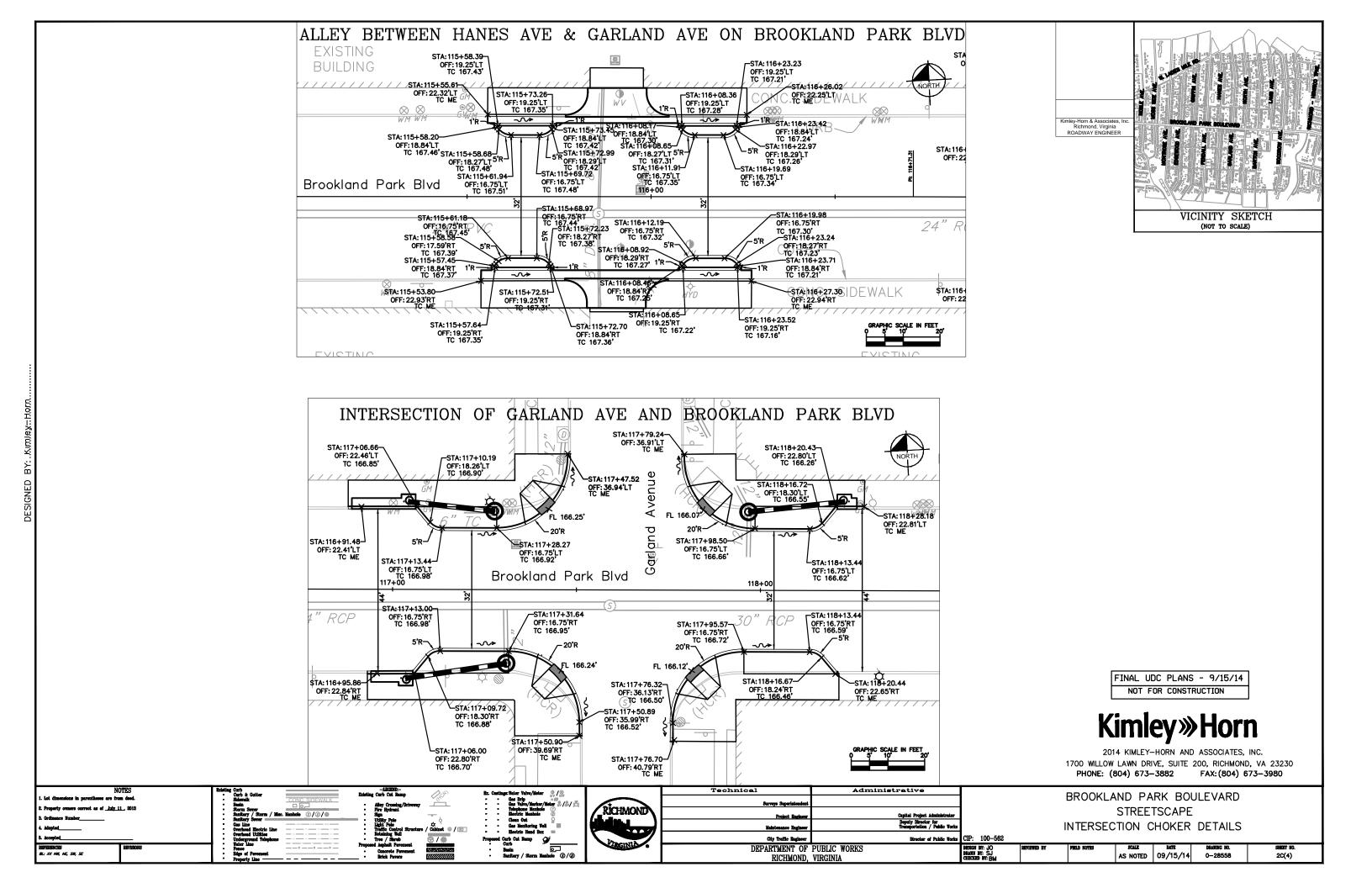
AS NOTED 09/15/14

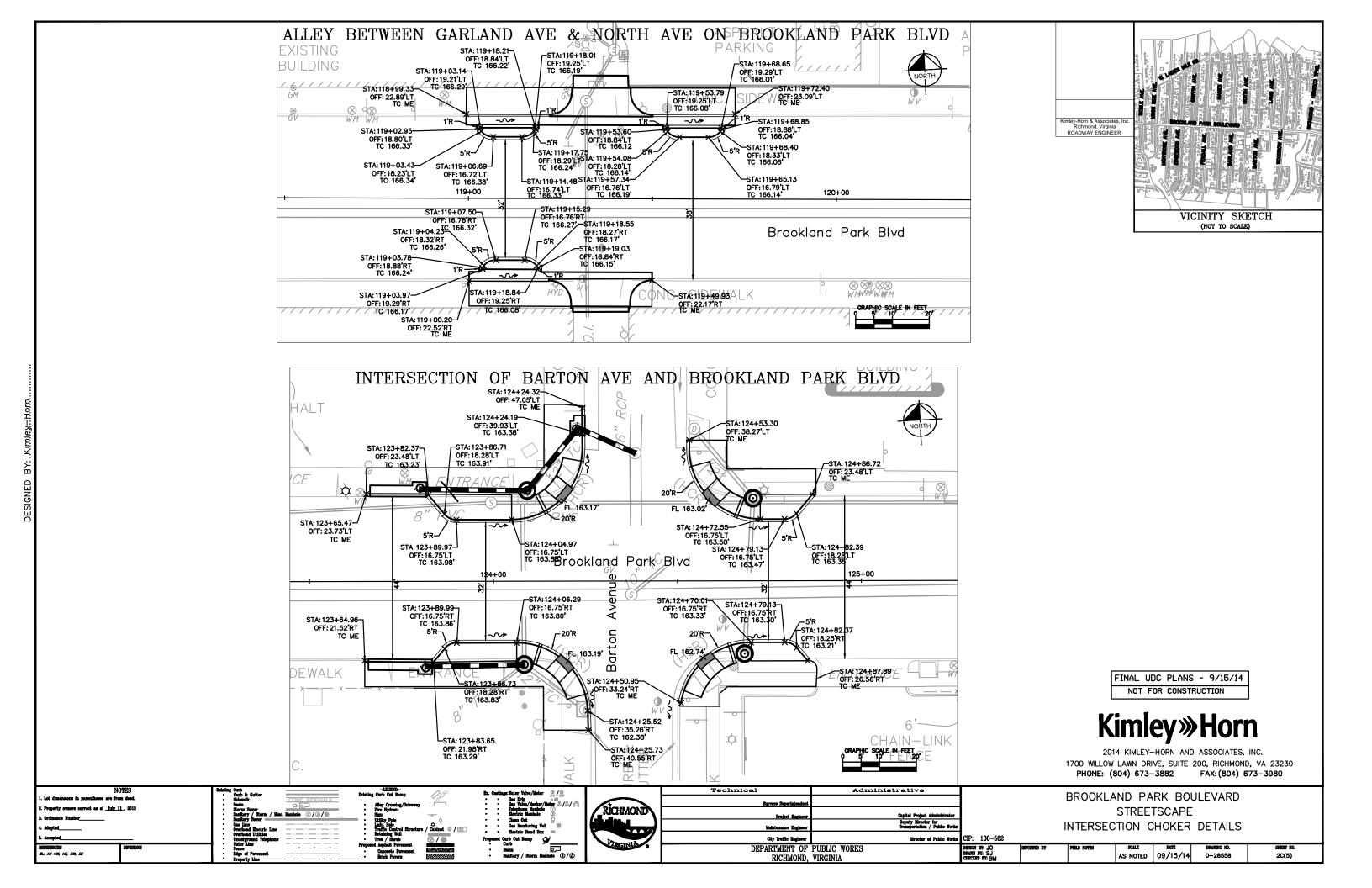
FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION

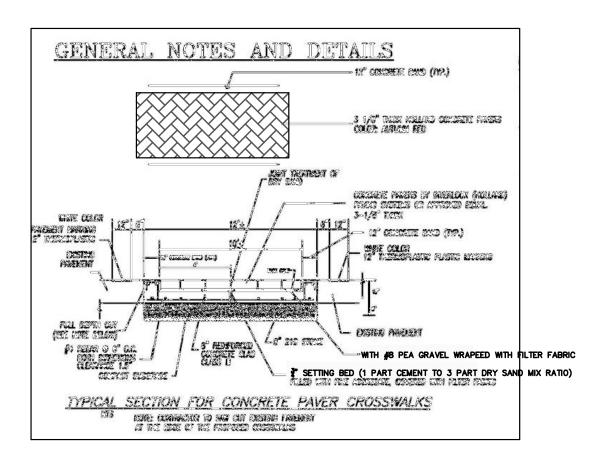












FINAL UDC PLANS - 9/15/14
NOT FOR CONSTRUCTION

Kimley » Horn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

2D

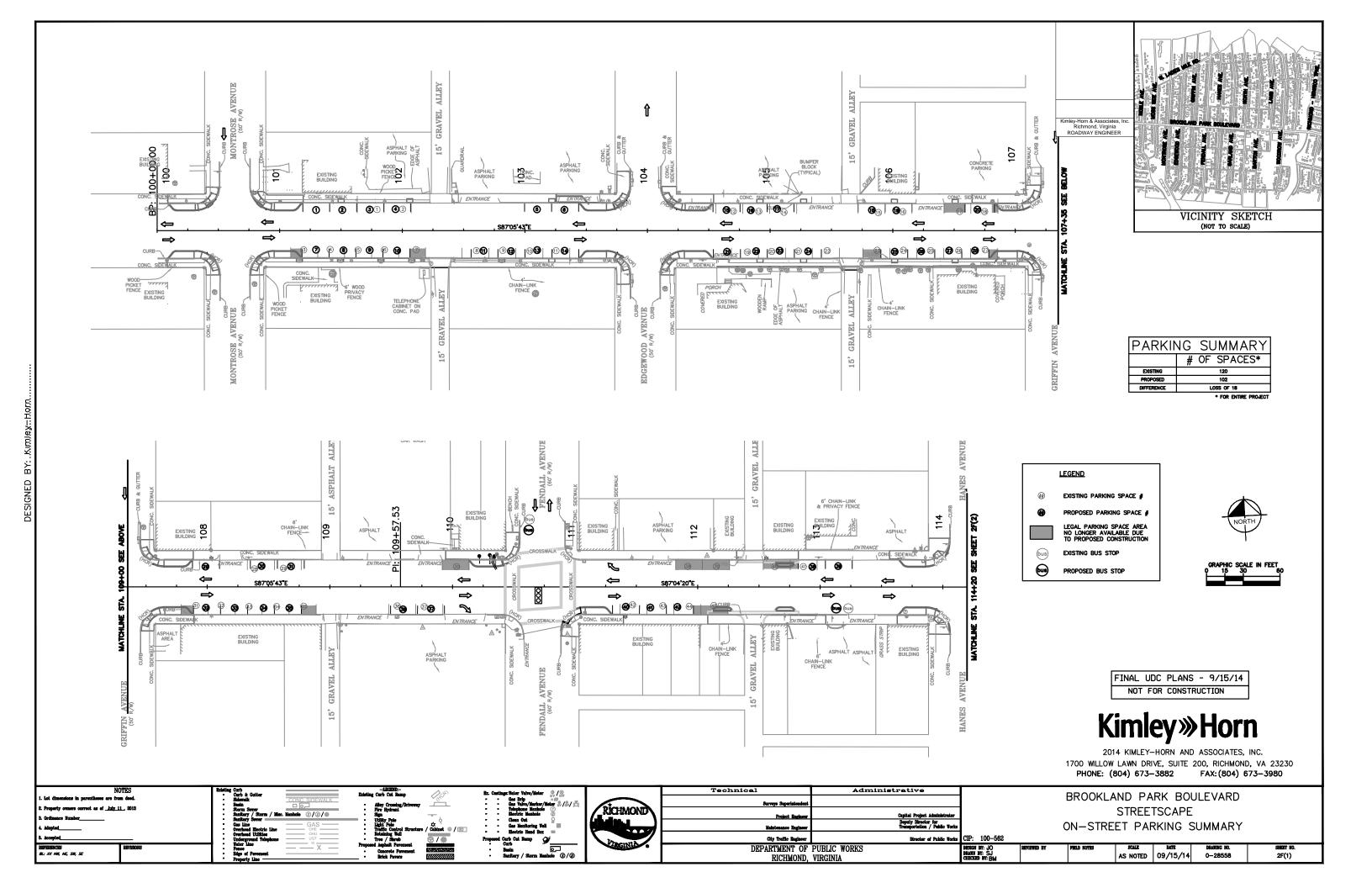
NOTES	Reisting Curb Curb & Gutter	-:LEGEND:- Existing Curb Cut Remp	Rx. Castings: Valer Valve/Meter 🎐 / 🎘
1. Lot dimensions in parentheses are from deed.	 Sidewalk CONC. SIDEWALK 	— Chic	Ges Drip u (0)
2. Property owners correct as of <u>July 11</u> , 2013	Besin Storm Sewer	Alloy Crossing/Driveway Fire Hydrant	- Ges Velve/Merker/Meter & / & / & / &
3. Ordinance Number	- Sanitary / Storm / Misc. Manhole ③ / ② / ◎ - Sanitary Sever	Sign ——	Electric Manhole © Clean Out
4. Adopted	- Gas Line - GAS	Light Pole Traffic Control Structure / Cabinet ⊕ /	Ges Monitoring Vell Bectric Hand Box
5. Accepted	" Overhead Utilities OHU UGT Underground Telephone	- Retaining Wall - Tree / Shrub Proposed Asphalt Pavement	Proposed Curb Cut Ramp
REFERENCES REVISIONS	• Pence — ^ —	Proposed Asphalt Pavement Concrete Pavement	Curb Basin
BL: XX MM, ME, SW, SE	Edge of Pavement Property Line	Brick Pavers	- Sanitary / Storm Manhole ③ / @

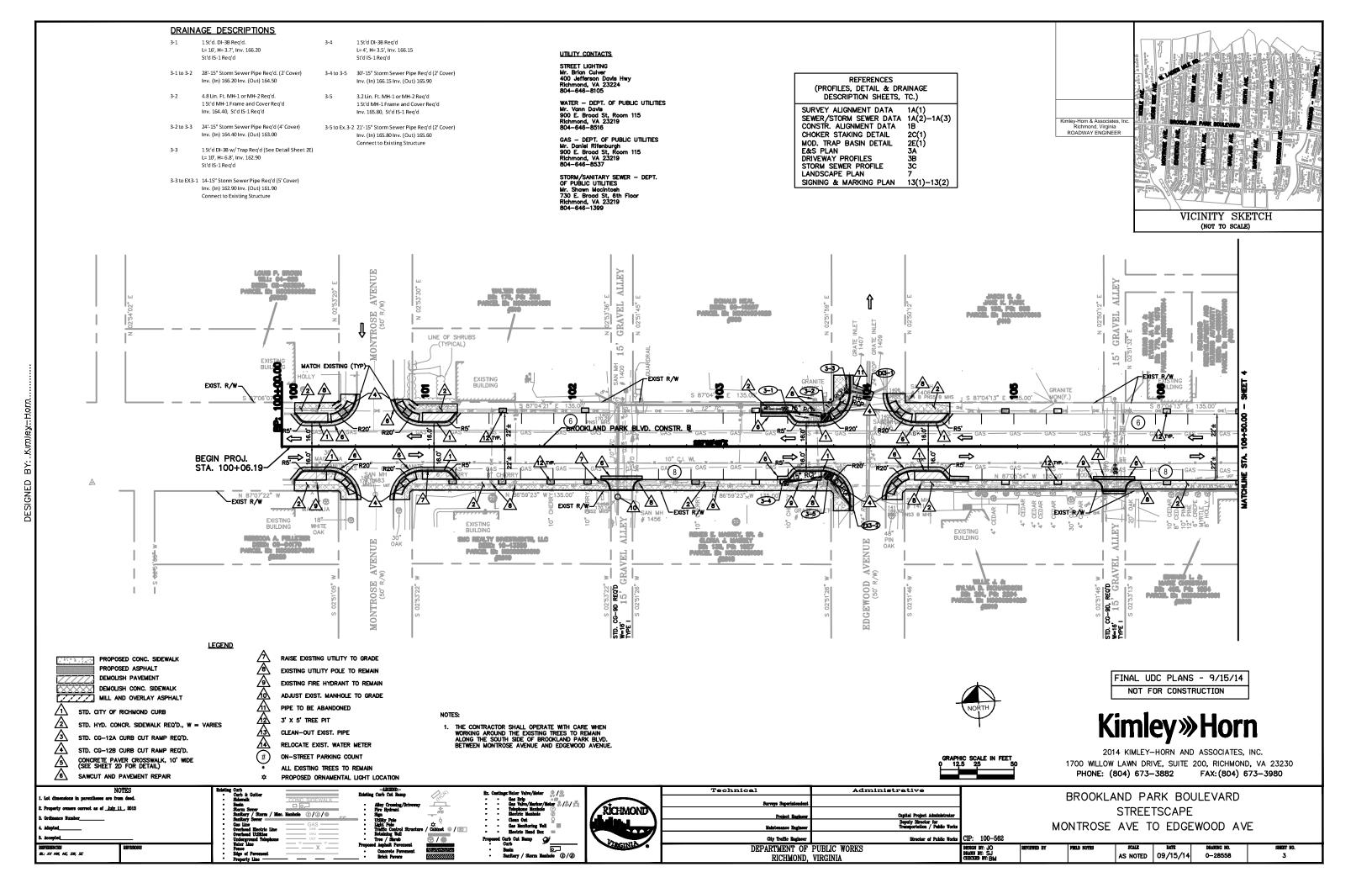
RÎCHMOND	
B	
RGINUD	

	Technical	Administrative	
	Surveys Superintendent		
١.	Project Engineer		
	Maintenance Engineer	Deputy Director for Transportation / Public Works	
/	City Traffic Engineer	Director of Public Works	CII
i i	DEPARTMENT OF	PUBLIC WORKS	DES DRA CHE
	RICHMOND,	VIRGINIA	CHI

BROOKLAND PARK BOULEVARD STREETSCAPE CONCRETE PAVER CROSSWALK DETAIL

		CON	CKEIL P	AVER	いない ろろり	WALK I	ノヒーケ
6	CIP: 100-562						
	DESIGN BY: JO DRAWN BY: SJ CHECKED BY: BM	REVIEWED BY	PIELD NOTES	SCALE AS NOTED	DATE 09/15/14	DRAWING 1 0—2855	





NOTES:
1. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE/BROOKLAND PARK BLVD IS TO REMAIN. THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING SIGNAL EQUIPMENT DURING CONSTRUCTION.

LEGEND

PROPOSED CONC. SIDEWALK

DEMOLISH CONC. SIDEWALK

MILL AND OVERLAY ASPHALT

STD. HYD. CONCR. SIDEWALK REQ'D., W = VARIES

PROPOSED ASPHALT

DEMOLISH PAVEMENT

STD. CG-12A CURB CUT RAMP REQ'D.

STD. CG-12B CURB CUT RAMP REQ'D.

CONCRETE PAVER CROSSWALK, 10' WIDE (SEE SHEET 2D FOR DETAIL)

SAWCUT AND PAVEMENT REPAIR

STD. CITY OF RICHMOND CURB

 \triangle

RAISE EXISTING UTILITY TO GRADE

EXISTING LITHLITY POLE TO REMAIN

EXISTING FIRE HYDRANT TO REMAIN

ADJUST EXIST. MANHOLE TO GRADE

3' X 5' TREE PIT

(#)

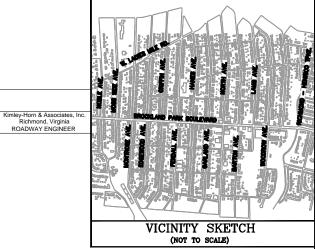
CLEAN-OUT EXIST. PIPE

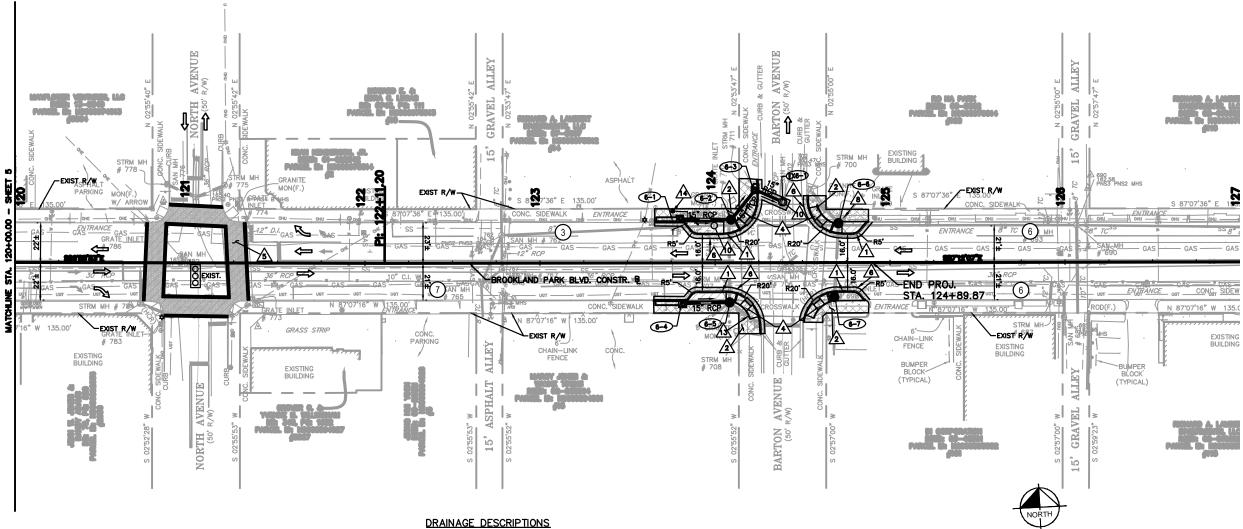
RELOCATE EXIST. WATER METER

ALL EXISTING TREES TO REMAIN

ON-STREET PARKING COUNT

PI STA. 122+11.20 PI NO CURVE $\Delta = 00^{\circ} 16' 13'' LT.$





REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, TC.)

SURVEY ALIGNMENT DATA 1A(1) SEWER/STORM SEWER DATA 1A(2)-1A(3)
CONSTR. ALIGNMENT DATA 1B CHOKER STAKING DETAIL 2C(5) CROSSWALK PAVER DETAIL MOD. TRAP BASIN DETAIL
E&S PLAN
STORM SEWER PROFILE
LANDSCAPE PLAN 2E(1) 6A SIGNING & MARKING PLAN 13(2)

6-1 L= 12', H=3.5', Inv. 160.00 St'd IS-1 Req'd

6-1 to 6-2 39'-15" Storm Sewer Pipe Reg'd (2' Cover)

3.3 Lin. Ft. MH-1 or MH-2 Req'd 1 St'd MH-1 Frame and Cover Req'd, Rim 163.48 Inv. 159.50. St'd IS-1 Rea'd

6-2 to 6-3 22'-15" Storm Sewer Pipe Reg'd (2' Cover) Inv. (In) 159.50 Inv. (Out) 159.20

1 St'd DI-3B w/ Trap Reg'd (See Detail Sheet 2E) St'd IS-1 Reg'd

6-3 to EX6-1 17-15" Storm Sewer Pipe Req'd (3' Cover) Inv. (In) 159.10 Inv. (Out) 158.50

6-4 to 6-5 27'-15" Storm Sewer Pipe Reg'd (2' Cover) Inv. (In) 159.90 Inv. (Out) 159.40

1 St'd DI-3B Req'd

L= 16', H= 3.4', Inv. 159.90 St'd IS-1 Req'd

Convet Existing DI to Manhole 1 St'd MH-1 Frame and Cover Req'd, Rim 163.27 Modify to Accept 15" Storm Sewer Pipe

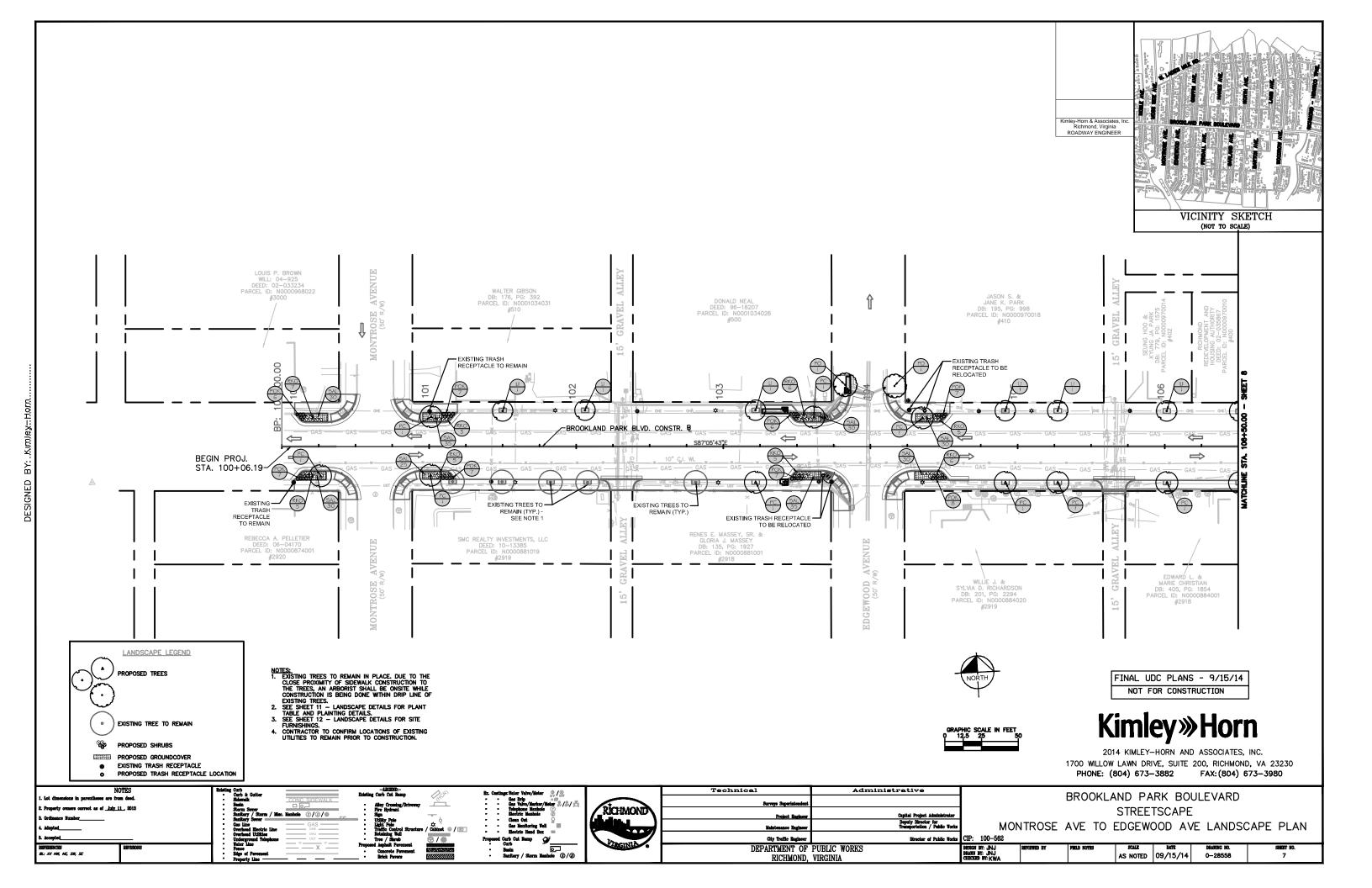
Convet Existing DI to Manhole 1 St'd MH-1 Frame and Cover Req'd Modify to Accept 15" Storm Sewer Pipe Rim 163.15

Convet Existing DI to Manhole 1 St'd MH-1 Frame and Cover Req'd Modify to Accept 15" Storm Sewer Pipe FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION

Kimley Whorn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

<u>∕6</u> \ SAWCUT AND PAVEMENT REPAIR			PHUNE: (804) 673-3882 FAX:(804) 673-3980
NOTES	Existing Curb . Curb & Gutter Existing Curb Cat Ramp	Technical	Administrative PROCKLAND DARK POLITICAL
1. Lot dimensions in parentheses are from deed.	- Stands CONC SIDEWALK	Surveys Superialendent	BROOKLAND PARK BOULEVARD
2. Property owners correct as of <u>July 11</u> , 2013	Before Good Supervalue Alloy Country/Friendly Fire Bysham Sweet States Alloy Country/Friendly Fire Bysham Sweet States Alloy Country/Fire Bysham Sweet States Alloy Country/Fire Bysham Sweet States Alloy Country/Fire Bysham Sweet	RICHMONTA	STREETSCAPE
3. Ordinance Humber	- Sundary / Storm / Mac. Mannacies (7/27/2) - Sign - souther mannacies (7/27/2) - Sign - souther mannacies (7/27/2) - Genn Out (7/27/2)	Project Engineer	MEANS NAME OF THE PARTY OF THE
4. Adopted	Ges line GAS Gas line G	Maintenance Engineer	Buguity Director for Triansportation / Public Vorts NORTH AVE TO BARTON AVE
6. Accepted	- Underground Telephone - Tree / Shrub & / Proposed Carb Cut Ramp	City Treffic Bacheer	Bugineer Brocker of Public Works CIP: 100-562
REPURSIONS BL: XX ANI, ME, SW, SE	- Water Mane		TT OF PUBLIC WORKS DESIGN BY: JO REFINITED BY PUBLIC WORKS DAMEN BY: SJ SCALE DAMEN BY: SJ SALE DAMEN BY: SJ SALE DAMEN BY: SJ SALE DAMEN BY: SJ SALE DAMEN BY: SALE
	Property Like Surface	RICHMOND,	MOND, VIRGINIA GREEKE PRIM AS NOTED 09/15/14 0-28558 6



LANDSCAPE LEGEND

EXISTING TREE TO REMAIN

EXISTING TRASH RECEPTACLE LOCATION

PROPOSED GROUNDCOVER

NOTES:

1. EXISTING TREES TO REMAIN IN PLACE. DUE TO THE CLOSE PROXIMITY OF SIDEWALK CONSTRUCTION TO THE TREES, AN ARBORIST SHALL BE ONSITE WHILE CONSTRUCTION IS BEING DONE WITHIN DRIP LINE OF EXISTING TREES.

2. SEE SHEET 11 — LANDSCAPE DETAILS FOR PLANT TABLE AND PLAINTING DETAILS.

3. SEE SHEET 12 — LANDSCAPE DETAILS FOR SITE FURNISHINGS.

FURNISHINGS.
4. CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING UTILITIES TO REMAIN PRIOR TO CONSTRUCTION.

VICINITY SKETCH
(NOT TO SCALE)

Kimley-Horn & Associates, I Richmond, Virginia ROADWAY ENGINEER

> FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION

Kimley»Horn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

VICINITY SKETCH (NOT TO SCALE)

Kimley-Horn & Associates, I Richmond, Virginia ROADWAY ENGINEER

FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION

Kimley » Horn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

BROOKLAND PARK BOULEVARD

Administrative RÎCHMOND STREETSCAPE HANES AVE TO GARLAND AVE LANDSCAPE PLAN City Traffic Engineer Director of Public Works CIP: 100-562 DEPARTMENT OF PUBLIC WORKS AS NOTED 09/15/14 RICHMOND, VIRGINIA



PROPOSED GROUNDCOVER EXISTING TRASH RECEPTACLE

PROPOSED TRASH RECEPTACLE LOCATION

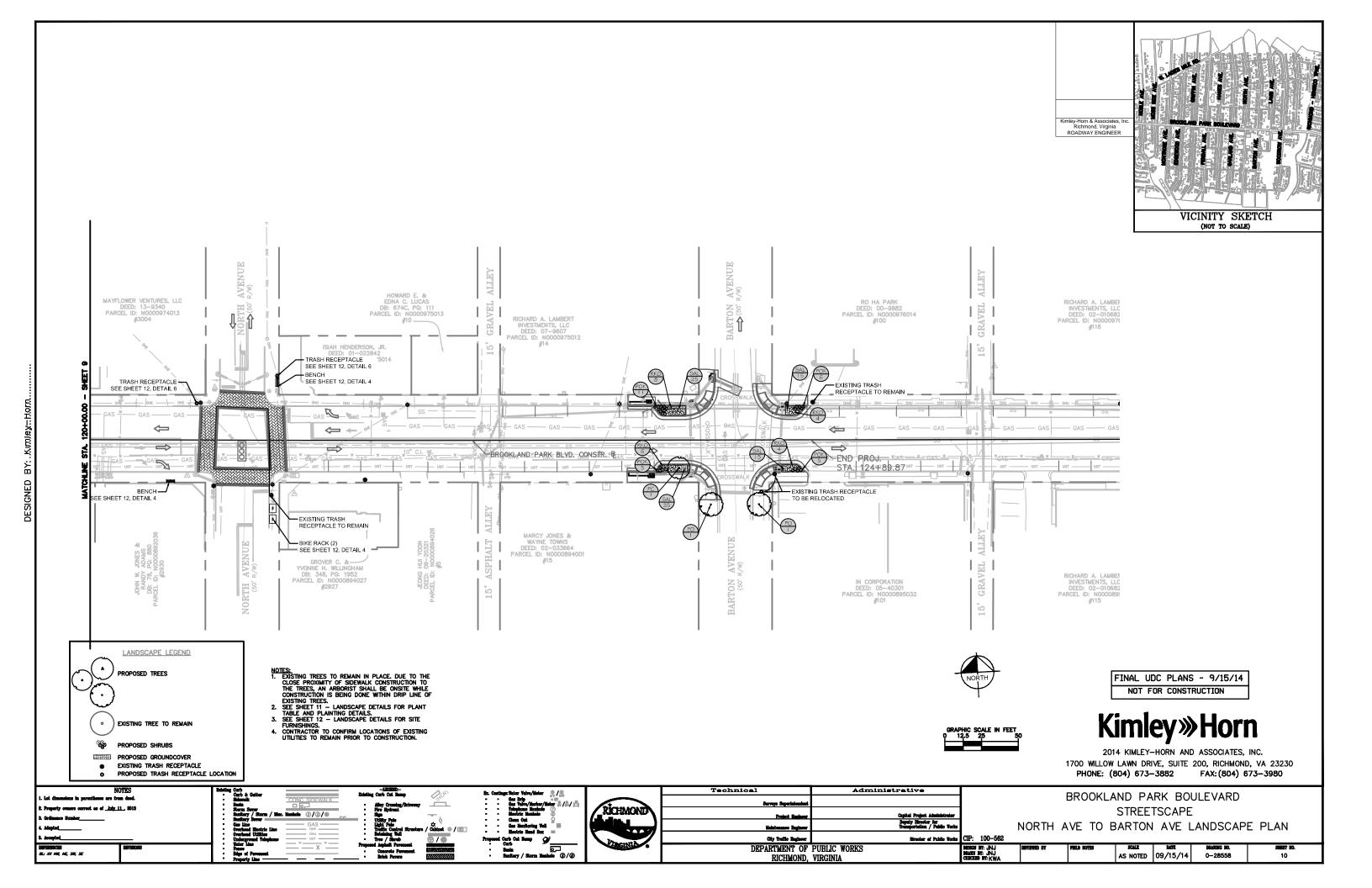
FURNISHINGS.
4. CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING UTILITIES TO REMAIN PRIOR TO CONSTRUCTION.

NOTES:

1. EXISTING TREES TO REMAIN IN PLACE. DUE TO THE CLOSE PROXIMITY OF SIDEWALK CONSTRUCTION TO THE TREES, AN ARBORIST SHALL BE ONSITE WHILE CONSTRUCTION IS BEING DONE WITHIN DRIP LINE OF EXISTING TREES.

2. SEE SHEET 11 — LANDSCAPE DETAILS FOR PLANT TABLE AND PLAINTING DETAILS.

3. SEE SHEET 12 — LANDSCAPE DETAILS FOR SITE FURNISHINGS.



L. Adopted__

GENERAL PLANTING NOTES:

THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, ETC. NECESSARY TO COMPLETE ALL PLANTING AS SHOWN ON THE PLANTING PLANS, AS SPECIFIED HERBIN OR IN SUPPLEMENTAL SPECIFICATIONS, AND/OR AS REQUIRED BY JOB CONDITIONS. THE WORK IN GENERAL INCLUDES, BUT IS NOT LIMITED TO THE POLLCHWISE.

REPARATION; DING TOPSOIL AND ALL SOIL AMENDMENTS; (ATION OF DI ANT DITS:

(1) SOIL PREPARATION

(2) TOPSOIL AND ALL SOIL AMENDMENTS

(2.1) NECESSARY QUANTITIES OF TOPSOIL SHALL BE SUPPLIED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL APPLY TOPSOIL ONLY AFTER SECURING SOIL TEST (V.P.I.), APPLYING RECOMMENDED T

(2.2) ON SITE TOPSOIL MEETING THE CONDITIONS FOR THESE NOTES MAY BE USED, OR IF INSUFFICIENT QUANTITIES ARE AVAILABLE, DUTSIDE TOPSOIL MEETING THE FOLLOWING CRITERIA SHALL BE PROVIDED.

(2.3) ON-SITE TOPSOIL SHALL BE STOCKPILED TOPSOIL THAT HAS BEEN SALVAGED IN ACCORDANCE WITH SECTION 303.04(A) OF THUR. AS PECIFICATIONS. IT SHALL BE FREE FROM REFUSE, OR ANY MATERIAL TOXIC TO PLANT GROWTH, AND REASONABLY FREE WISSOIL, STUMPS, ROOTS, BRUSH, STONES, CLAY, LUMPS, OR SIMILAR OBJECTS LANGER THAM 3" IN THEIR GREATEST DIMENSION.

(24) OFF-SITE TOPSOL, IF NEEDED, SHALL BE TOPSOL FURNISHED FROM SOURCES OUTSIDE THE PROJECT LIMITS AND SHALL BETTER
ORDERLY, TO WHITE OF THE PROJECT CHARLES OF THE PROJECT LIMITS AND SHALL BETTER
ORDERLY, TO WHITE OFF THE PROJECT CHARLES OF THE PROJECT CHARLES OFF THE P

2.4.1 Y- HORDON-Y- HORDON-S-SMALIE BANESAL HORDONS CONSTITUTED IN HORDONS OF GROAMS DATTER ACCUBILATION FORBED OF FORBING AT OR ADJACENT TO THE SIRPACE'S () (DICTIONS THAT WHILE CST CLAY, PROOF, OR ALLIMINAL WHIT RESILETAN CONCENTRATIONS OF QUARTZ OR OTHER RESISTANT INMERIALS OF SAND OR SLIT SIZE; OR (i) HORDONS DOMINATED BY 1 OR 2. ABOV BUT TRANSTONANT ON A LIGIBLETIVED B OR C.

AZ HORIZONS SHALL BE MINERAL HORIZONS IN WHICH THE FEATURE EMPHASIZED IS LOSS OF CLAY, IRON OR ALUMINUM, WITH RESULTANT CONCENTRATION OF QUARTZ OR OTHER RESISTANT MINERALS IN SAND AND SILT SIZES.

(2.4.3) "A" HORIZON TOPSOIL CONTENT: "A" HORIZON TOPSOIL SHALL BE IN ACCORDANCE WITH THE FOLLOWING MATERIALS BY PERCENTAGE OF VOLUME:

(3) EXCAVATION OF PLANT PITS

(3.1) PRIOR TO EXCAVATION OF TREE PITS, AN AREA EQUAL TO TWO TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROTO-TILLED TO A DEPTH EQUAL TO THE DEPTH OF THE ROOT BALL

(3.3) THE FITS FOR WELL DOWNED DOLS SHALL BE FULS OF THAT THE BOTTOM OF THE ROOT BILL WILL BEST ON MONSTHREES DOLL. THE TOP OF THE ROOT BILL WILL BE THIS WHAT REMOKED AND FOR THE OWNER DO LIST THE FOR FOR MALL BE USED ON THAT THE ROOT BILL BESTS ON LINDSTREED SOL AND THE TOP OF THE ROOT BILL BEST ON LINDSTREED SOL AND THE TOP OF THE ROOT BILL BE THE ROOT BILL B

(3.4) SHRUB BEDS SHALL BE EXCAVATED TO 6" BELOW THE ROOT BALL OF THE SHRUB.

(3.5) ALL AR POCKETS SHALL BE REMOVED FROM PLANT PIT UPON BACK FILLING WITH PLANTING SOL BY FILLING APPROXIMATELY 12 TO 20 OF THE PIT WITH PLANTING BACKPILL MATERIAL. AND THEN WATERING. TO ENQUIRE SETTLEMENT OF THE AMERICAL BACKPILL MATERIAL SHAPE AND AND THE PREMAMENT CANTES OF THE PLANTIFT, TAMPRIS AND WATERED FLORE WATER OF THE PLANTING SHAPE AND WATER OF THE PLANTING SHAPE AGAIN TO ENQUIRE SETTLEMENT OF THE BACKPILL MATERIAL UNDER NO CROUMSTANCES SHALL ANY SOLL OR BACKPILL MATERIAL BE APPLED ABONE THE ROOT BALL OF THE PLANTS.

(3.6) GROUND COVERS SHALL BE PLANTED IN BEDS HAVING A MINIMUM DEPTH OF 4" BELOW THE PROPOSED ROOT DEPTH. PLANTS SHALL BE EVENLY SPACED AND SET TO MAINTAIN THE ORIGINAL GROWING DEPTH WHILE ALLOWING FOR A 2" TOP DRESSING OF MULCH.

(4) PLANT MATERIAL AND MULCH

(4.1) THE NAMES OF PLANTS REQUIRED UNDER THIS CONTRACT CONFORM TO THOSE GIVEN IN L.H. BALLEYS HORTUS THRD. 1976 EDITIONANES OF VIGATERS NOT INCLUDED THEREN CONFORM GENERALLY WITH NAMES ACCEPTED IN THE NAMES HEY TRADE. ALL PLANTS WERE ALL PLANTS WITH A CONFORM TO THE PLANTS WERE ALL PLANTS WITH A CONFORM THE PRINCIPLE AND A LIFER HEAT HAVE SHALL EITHER SCEPT IN A SHORT ALL SHRIMES SHALL BE HEALTHY, VIOROUS, AND OF GOOD COOL ON ONLY DAMED OR BROWN BRANCHES OF PLANT MATERIAL MAY BE PRINCIPLE AND ANY MICCESSARY PRIMARIO SHALL BE DONE AT THE TIME OF PLANTING, HOWEVER, UNDER NO CORGANISATIONS SHALL BE CONFORM THE STATE OF PLANTING, HOWEVER, UNDER NO CORGANISATIONS SHALL BE CONFORM THE STATE OF PLANTING, HOWEVER, UNDER NO CORGANISATIONS SHALL BE CONFORM THE STATE OF PLANTING, HOWEVER, UNDER NO CORGANISATIONS SHALL BE CONFORM THE STATE OF PLANTING, HOWEVER, UNDER NO CORGANISATIONS SHALL BE CONFORM THE STATE OF PLANTING, HOWEVER, UNDER NO CORGANISATIONS SHALL BE CONFORM THE STATE OF PLANTING HOWEVER.

(4.4) BALLED AND BURLAPPED PLANTS (BAB) SHALL BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCORPASS THE FIRROUS AND FEEDING FROM SYSTEM NECESSARY FOR FILL RECOVERY OF THE PLANT. BUS SHALL BE FIRRUL WARPED WITH HUBBLED OF SHARM AND BALD WITH TWING FOR CORD, BURLAP SHALL NOT BE FALLED OUT FROM LIDGES BALLS DURNS. PLANTING OPERATIONS, BAB FLANTS WHICH CHANDED FAULT DIAMEDIATE FOR OUT OF ELICEPT SHALL BE COVERED WITH MOST STOLL, BULLOT OF OTHER ATTENDATION. TO PROVIDE PROFESTION FROM DRIVEN SHALL BE COVERED WITH MOST STOLL, BULLOT OF OTHER ATTENDATION.

(4.5) PLANTS NOTED "CONTAINER" ON THE PLANT LIST MUST BE CONTAINER GROWN WITH WELL ESTABLISHED ROOT SYSTEMS. LO CONTAINERZED PLANT MATERIAL WILL NOT EX ACCEPTED. ALL PLANTS INJURIED AND PLANTS WITH ROOT BALLS BROWNED DURING PLANT STATE OF THE PLANTS SHALL BE WATERED AS NECESSARY UNIT, PLANTED, BR) SHALL BE PLANTED OR HEELED HIS MIRED POPO DELIVERY. NE PLANTS SHALL BE WATERED AS NECESSARY UNIT, PLANTED, BR)

(4.9) ALL PLANTS SHALL BE PLANTED UPRIGHT AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT STRUCTURES ROOTS SHALL BE USE SPREAD IN THEIR ROOMAN POSITION, ALL BROWEN OR FRAVED BOOTS SHALL BE UST OFF CLEANLY STRUCTURES ROOTS SHALL BE UST OFF CLEANLY SHALL BE USED AND THE ROOTS BALL BE USED AND THE ROOT BE USED AND THE RANT SHALL BE USED AND THE PLANT SHALL BOTH ROOTS BALL BE USED AND THE ROOT BALL BE USED AND THE BALL BALL BE USED AND THE BALL BE USED AND

(5.2) FOR DECIDIOUS TREES, USE OSMOCOTE (18-6-12) AT THE RATE EQUIVALENT TO 4 LBS ACTUAL N/1000 SQ FT OF ROOT ZONE AREA/YEAR. FOR EVERGREEN TREES USE 2 LBS ACTUAL N/1000 SQ FT OF ROOT ZONE AREA/YEAR.

(A) THE ERRILLER RATE FOR CONTINUOUS GROUND COVER AND SHARE BEDS SHALLD BE DERIVED BY CLICLATING THE OFFICE OF THE PROPERTY O

(5.5) ALWAYS BE SURE THAT ADEQUATE MOISTURE IS AVAILABLE WHEN FERTILIZING SO THAT THE FERTILIZER WILL BE DISSOLVED INTO THE SOIL SOLUTION FOR ROOT UPTAKE AND TO AVOID BURNING THE ROOTS.

(6.1) ALL TREES SHALL BE STAKED ACCORDING TO THE TYPICAL DETAILS PROVIDED.

(6.2) THEE STATES SHALL BE ROUTED FER THEE. THE STATES SHALL BE RAYED AND A MANUAL PATTERN METERSTALLY NTO THE GROWN OF STREET THE ROOTING A ROUTE OF THE ROOTING AT THE ROOTING A ROST OF THE THEE METERS AND A ROOTING THE ROOTING A ROOTING THE ROOTING A ROOTING THE ROOTI

(7) CHEMICAL APPLICATION

(8) MAINTENANCE AND GUARANTEE

BETTING LANGEAUGE CONTRACTOR SHALL BE RESPONSED. FOR HANTANNO HE SYMDET FOR THE FERROD OF FOR YEAR AFTER ACCEPTANCE OF THE OWNER OF REPRESENTATION. MATERIACISES HAVE COLD WITHOUT AND THE OWNER OF A THE OWNER OF A THE OWNER OWNER

ASSISTANCE AND THE WARM, ALL BE INSTRUCT COMPLETED FOR THE CONTRACT EXCLUSIVE OF THE POSSIBLE.

FOR THE RESTAURT OF THE POSSIBLE OF THE RESTAURT OF THE RESTAU

(9) ALL OTHER ITEMS NECESSARY TO MAKE WORK COMPLETE

(9.1) ANY PLANT MATERIAL NOT PLANTED SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED RUBBISH AND DEBRIS FROM THE SITE UPON COMPLETION OF HIS WORK.

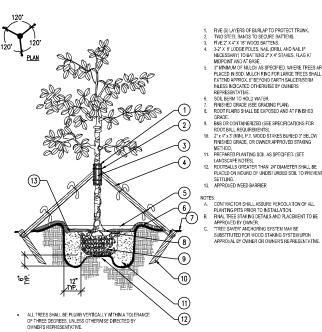
- CONTRACTOR SHALL REVIEW ALL DRAWINGS, SPECIFICATIONS, PERMITS, AND REGULATORY REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPING AND IRRIGATION PERMITS.
- THE CORN RIGHT OR IS RESPONSIBLE FOR THE EDUCATION AND PROTECTION OF ALL EXISTING OTERITIES. CONSTRUCTION, AT LEAST 44 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL NOTIFY MISS UTLITY OF VIRGINIA, § 1-800-562-7001 FOR PROPER IDENTIFICATION OF EXISTING UTLITIES WITHIN THE PROJECT SITE.
- FINAL LOCATION OF ALL PLANTINGS SHALL BE DETERMINED IN THE FIELD BY THE OWNER'S CHOSEN REPRESENTATIVE.
- G. CONTRACTOR SHALL INSTALL ALL PLANT MATERIALS AS SHOWN IN THE DETAILS, AND AS INDICATED IN THE LANDSCAPE SPECIFICATIONS.
- THE PLANTING OF TREES SHALL BE DONE IN ACCORDANCE WITH THE STANDARDIZED LANDSCAPE SPECIFICATIONS JOINTLY ADOPTED BY THE VIRGINIA NURSERYMENS ASSOCIATION, THE VIRGINIA SOCIETY OF LANDSCAPE DESIGNERS AND THE VIRGINIA CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS.
- ALL PLANT MATERIALS SHALL BE NURSERY GROWN STOCK AND SHALL BE FREE OF ANY DEFORMITIES, DISEASES, OR INSECT DAMAGE. ANY MATERIALS WITH DAMAGED OR DISRIGURED/CROOKED LEADERS, BARK ARRASIONS, SUNSCALD, INSECT DAMAGE, ETC., ARE NOT ACCEPTABLE AND WILL BE REJECTED. K. TREES NOT EXHIBITING A CENTRAL LEADER WILL BE REJECTED UNLESS CALLED OUT IN THE PLANT LIST AS MULTI-STEM.
- ALL PLANTING BEDS AND LAWN AREAS SHALL BE SEPARATED BY SHOVEL EDGING. NO EDGE SHALL BE INSTALLED ADJACENT TO SIDEWALKS OR CURBS.
- ALL AREAS ON PLANS NOT INDICATED TO RECEIVE SOD PLANTING, PAVEMENT, OR HARDSCAPE WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED WITH FESCUE, UNLESS OTHERWISE DIRECTED BY THE LANGSCAPE ARCHITECT. SEE SEEDING NOTES THIS SHEET.
- Q. QUANTITY TAKE-OFFS INDICATED ON THE PLANTING SCHEDULE ARE FOR CONVENIENCE ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANS AND THE SCHEDULE, THE GRAPHIC REPRESENTATION IN THE PLANS SMALL DICTATE.

PLANT LIST

745

KEY	QTY.	BOTANICAL / COMMON NAME	SIZE	ROOT	COMMENTS
		LARGE DECIDUOUS TREES			
PO	11	Platanus occidentalis American Sycamore	2" cal.	B&B	Symmetrical Form
		MEDIUM DECIDUOUS TREES			
PC	21	Pistacia chinensis Chinese Pistache	2" cal.	B&B	Symmetrical Form, Strong central leader
		SMALL DECIDUOUS TREES			
LI	12	Lagerstroemia indica x fauriei 'Natchez' Natchez Crape Myrtle	1.5" cal.	B&B	Single leader, Symmetrical Form
		SHRUBS/GRASSES			
RKO	163	Rosa x 'Radtko' PP# 16202 Double Knock-Out Rose	18" ht.	Cont.	Full, dense
POK	227	Pennisetum orientale 'Karley Rose' Oriental Fountain Grass	1 gal.	Cont.	Full, dense

1 qt.



Technical

FIVE (5) LAYERS OF BURLAR TO PROTECT TRUNK

FIVE 19) LAYERS OF BURLAP TO PROTECT HOUR TWO STEEL BANDS TO SECURE BATTERS. FIVE 2" X 4" X 18" WOOD BATTERS. 52" X 8" LODGE POLES, NAIL (DRILL AND NAIL IF NECESSARY) TO BATTERS 2" X 4" STAKES, FLAG / MIDPOINT AND AT BASE. MIDPUINT AND AT BASE.
3º MINIMUM OF MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR LARGE TREES SHALL EXTEND APPROX. 6" BEYOND EARTH SAUCER INLESS INDICATED OTHERWISE BY OWNERS

Cont.

15" o.c. Full, Dense

ROOT BALL REQUIREMENTS).
2" x "x "x (MNN, P.T. WOOD STAKES BURIED 3" BELOW FINISHED GRADE, OR OWNER APPROVED STAKING METHOD.
METHOD.
PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).

ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. APPROVED WEED BARRIER

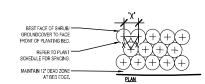
LARGE TREE PLANTING

GROUNDCOVERS

Salvia x sylvestris 'Blue Hill'

Blue Hill Meadow Sage

Administrative

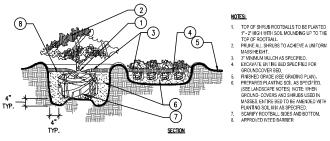


PROFE ALL STRUBS TO AUTHEVE A UNIT OF MASS/HEIGHT.

3" MINIMUM MULCH AS SPECIFIED.

EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.

FINISHED GRADE (SEE GRADING PLAN).



ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

SHRUB / GROUNDCOVER PLANTING
PLAN/SECTION

FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION

Kimley »Horn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

BROOKLAND PARK BOULEVARD STREETSCAPE

Surveys Superintend LANDSCAPE DETAILS Maintenance Enginee Director of Public Works CIP: 100-562 City Traffic Engineer DEPARTMENT OF PUBLIC WORKS AS NOTED 09/15/14 RICHMOND, VIRGINIA

Property owners correct as of _July 11 , 2013 3. Ordinance Number

BL: XX MW, NE, SW, SE

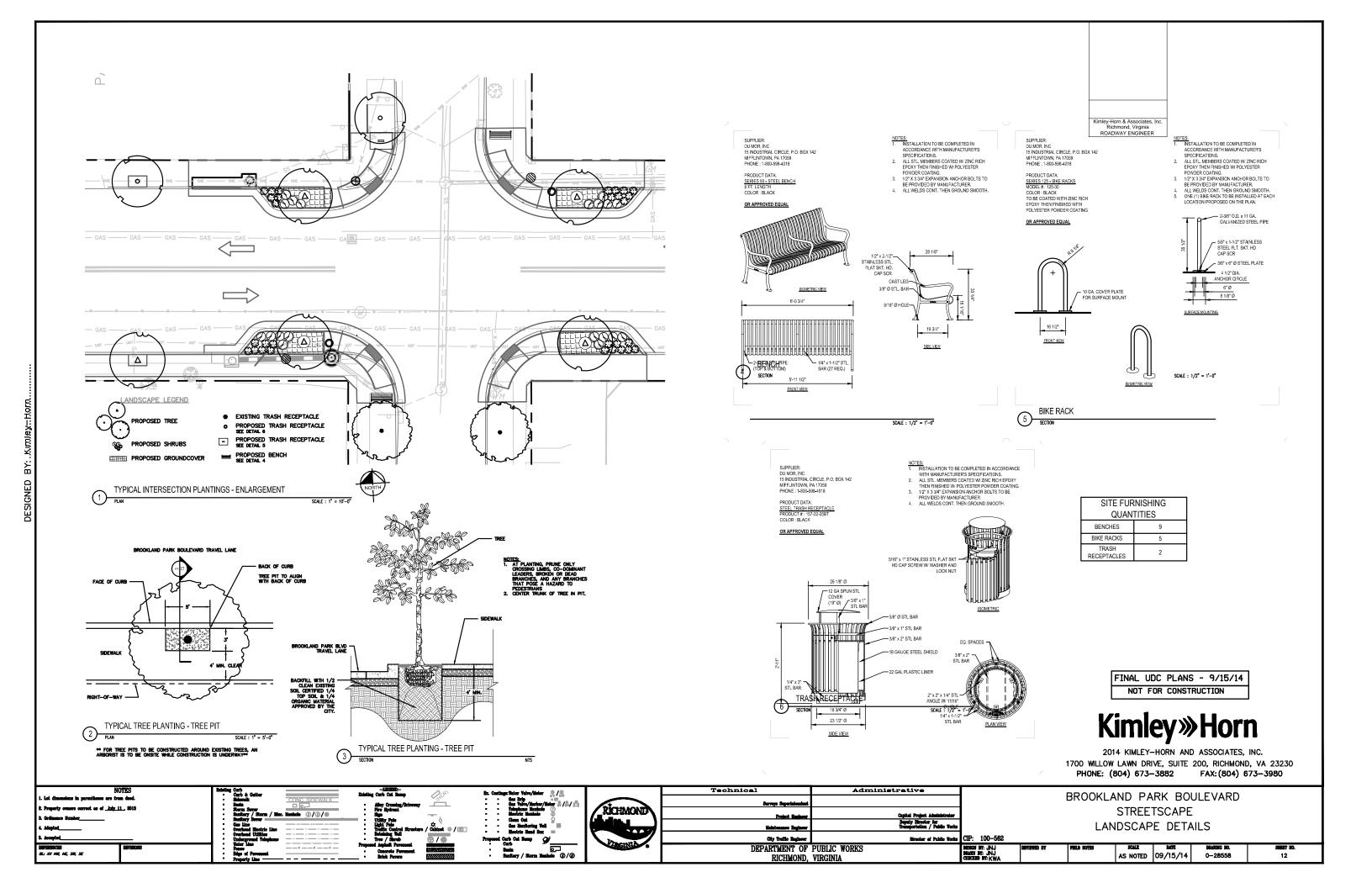
ng Curb & Gutter
Charles Conc. SIDEWALK
Shornalk
Shornal Sweet
Shornal Sweet
Sanikary Sweet
Gas Line
Overhead Mocinic Line
Overhead Millilies
Underground Telephone
Edge of Parennent
Property Line

Conc. SIDEWALK
CONC

ture / Cabinet ⊕ / 📆 8/0

Ex. Costings: Water Valve/Meter 🤼 / 🎘 Gas Drip Gas Valve/Harker/Hister & /&/ & Telephone Humbole Electric Hambole Proposed Care Cat Ramp
Curb
Basin
Sanitary / Storm Manhole





	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
	ı
:	ı
	ı
:	ı
	ı
:	ı
:	ı
:	ı
	ı
∹:	ı
	ı
5	ı
<u>≃</u> .	ı
Ŀ	ı
	ı
Ų;	ı
€.	1
v.	ı
=:	ı
=•	ı
₹	ı
٠.	ı
:	ı
	ı
_	ı
_	ı
מ	ı
	ı
\Box	ı

SIGN NO.	0	2	3	4	5	6	7	8
SIGN	GRTC BUS STOP SIGN	STREET NAME		STOP	ANY TIME	SPEED LIMIT 25	DO NOT ENTER	ONE WAY
STD. NO.	R7-107a	D3-1	R8-3 R7-201P	R1-1	R7-1	R7-1	R5-1	R6-2
SIZE	12" X 30"	VARIES" X 8"	12" X 12" 12" X 6"	36" X 36"	12" X 18"	24" X 30"	30" X 30"	24" X 30"
SIGN STRUCT. STD.	STP-1	STP-1	STP-1	STP-1	STP-1	STP-1	STP-1	STP-1

PAVEMENT MARKING LEGEND

A) TYPE B, CLASS I, WHITE I2" WIDTH MARKING

B) TYPE B, CLASS I, WHITE I2" x 6" PARKING SPACE MARKING

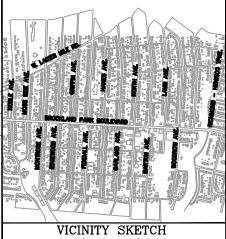
SIGNING LEGEND

EXIST. GROUND MOUNTED SIGN SUPPORT PROP. GROUND MOUNTED SIGN SUPPORT

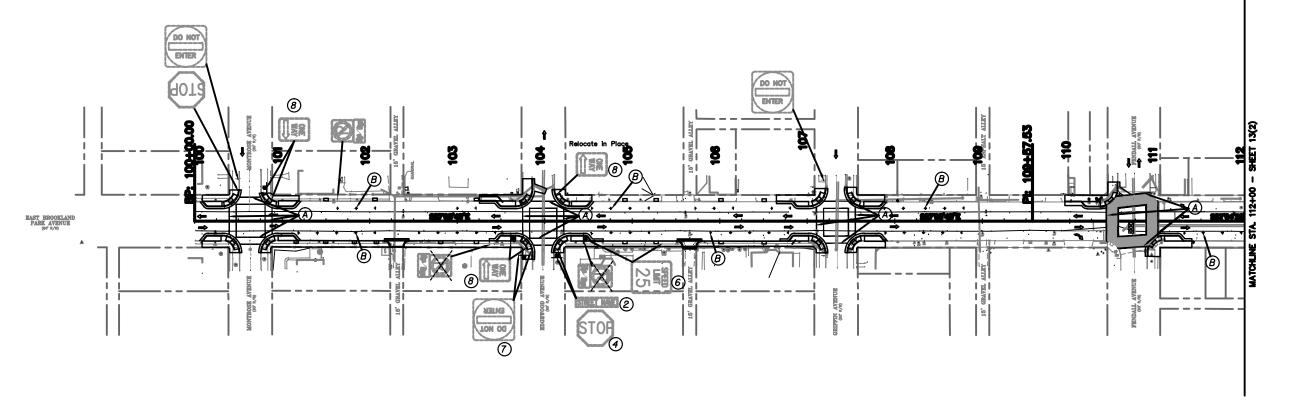
EXISTING SIGN TO BE REMOVED

EXISTING SIGN TO BE RELOCATED

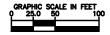
EXISTING SIGN TO REMAIN



VICINITY SKETCH (NOT TO SCALE)



FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION



Kimley » Horn

2014 KIMLEY-HORN AND ASSOCIATES, INC. 1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX:(804) 673-3980

NOTES	Existing Curb Curb & Gutter Existing Curb Cut Ramp	Ex. Coatings: Value / Meter	Technical	Administrative		DDOOKLAND DADE	/ DOLU EVADD	
1. Lot dimensions in parentheses are from deed.	Sidemalk CONC SIDEWALK	Ges Prip Ges Yelve/Herker/Heler 2/2/5	Surveys Superintendent			BROOKLAND PARK		
2. Property owners correct as of <u>July 11</u> , 2013 3. Ordinance Number	Basin Sever Alley Crossing/Driveway - Fire Bydrant. Sangary / Storm / Misc. Manholo ② / ② / ④ . Sign	Gas Drip / Markor/Motor & / & / & / RICHMOND	Project Engineer	Capital Project Administrator		STREETS	CAPE	
4. Adopted	- Sanikary Sover - GAS - Ulisity Pole - Light Pole - Light Pole - Traffic Control Structure / Cabinet ⊕ / (②)	- Clean Out	Maintenance Engineer	Deputy Director for	MONTROSE A	AVE TO FENDALL A	VE SIGNAGE A	ND STRIPING
5. Accepted	Overhead Utilities Underground Telephone ONU ONU Potaining Wall Tree / Shrub	Proposed Curb Cut Ramp	City Traffic Engineer	Director of Public Works	CIP: 100-562			
REPUBLICUS BL: XX MM, ME, SW, SE	- Water Line Proposed Asphalt Personnel Fence - X Proposed Asphalt Personnel Fence - X Concrete Personnel Froperty Line - Prick Person.	Curb Basin Sanitary / Storm Manhole ⑤ / ⑥	DEPARTMENT OF RICHMOND,		DESIGN BY: JNJ DRAIN BY: JNJ CHECKED BY: KWA	PHELD HOTES SCALE AS NOTED 09,	DATE DRAWING NO. /15/14 0-28558	SHERT NO. 13(1)

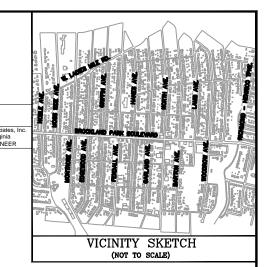
PAVEMENT MARKING LEGEND

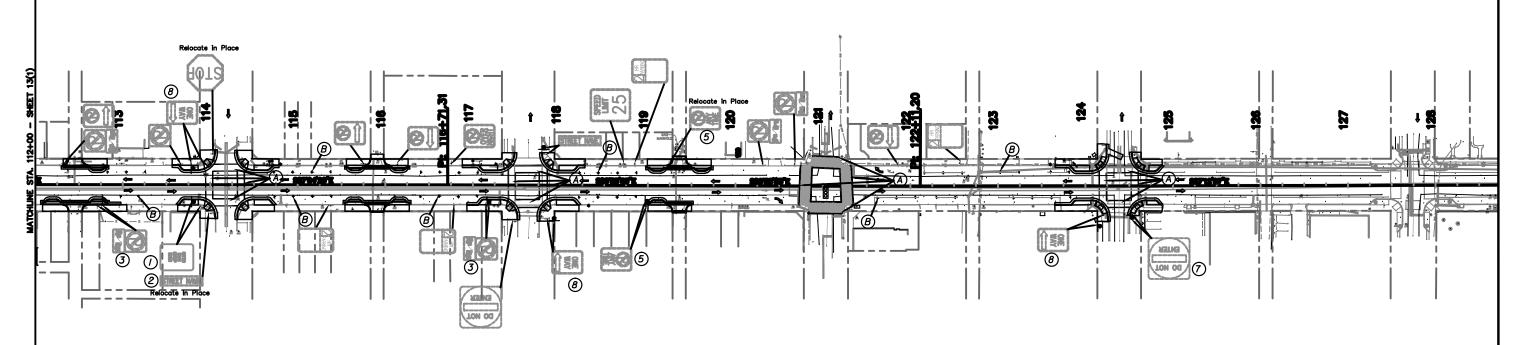
- A) TYPE B, CLASS I, WHITE 12" WIDTH MARKING
 B) TYPE B, CLASS I, WHITE 12" x 6" PARKING SPACE MARKING

SIGNING LEGEND

- EXIST. GROUND MOUNTED SIGN SUPPORT
- PROP. GROUND MOUNTED SIGN SUPPORT
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO REMAIN

SIGN NO.	0	2	3	4	5	6	7	8
SIGN	GRTC BUS STOP SIGN	STREET NAME		STOP	ANY TIME	SPEED LIMIT 25	DO NOT ENTER	ONE WAY
STD. NO.	R7-107a	D3-1	R8-3 R7-201P	R1-1	R7-1	R7-1	R5-1	R6-2
SIZE	12" X 30"	VARIES" X 8"	12" X 12" 12" X 6"	36" X 36"	12" X 18"	24" X 30"	30" X 30"	24" X 30"
SIGN STRUCT. STD.	STP-1	STP-1	STP-1	STP-1	STP-1	STP-1	STP-1	STP-1



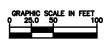


NOTES:

1. ALL PAVEMENT MARKING (NON-PAVER)
CROSSWALKS SHALL BE A MINIMUM B' WIDE.

2. SEE SHEET 2D FOR PAVER CROSSWALK DETAIL AT
FENDALL AVE AND NORTH AVE.

FINAL UDC PLANS - 9/15/14 NOT FOR CONSTRUCTION



Kimley » Horn

1700 WILLOW LAWN DRIVE, SUITE 200, RICHMOND, VA 23230 PHONE: (804) 673-3882 FAX: (804) 673-3980

NOTES	Existing Curb Curb & Gutter	-:LEGEND:- Existing Curb Cut Remp	Ex. Costings: Water Valve/Meter 🎐 / 🎡
1. Lot dimensions in parentheses are from deed.		SIDEWALK	Ges Drip p 60
2. Property owners correct as of <u>July 11</u> , 2013	Besin Storm Sever	Fire Hydrani.	Gas Yalvo/Harker/Heter
3. Ordinance Number	Sanitary / Storm / Misc. Manhole Sanitary Sower	Utility Pole	Clean Out
4. Adopted	Gas Line Overhead Electric Line	GAS - Utility Pole - Light Pole - Cabinet ⊕ / ((iii)	Gas Menitoring Well
5. Accepted	" Overhead Utilities "Underground Telephone	Rotaining Wall Tree / Shrub Proposed Ambalt Personnel	Proposed Curb Cut Ramp
REFERENCES BL: XX MM, ME, SW, SE REVISIONS	Fater Line Fence Edge of Pavement Property Line	Proposed Asphalt Perement Concrete Perement Brick Perement Brick Perement Peremet Perement Perement Perement Perement Peremet Perement Peremet Pe	- Curb - Basin - Sanitary / Storm Manhole ③/@

	Technical	Adminis		
	Surveys Superintendent			
RÎCHMOND	Project Engineer			
	Maintenance Engineer			
VIRGINIA	City Traffic Engineer			
RGINUO	DEPARTMENT OF	PUBLIC WORKS		
	RICHMOND,	VIRGINIA		

STREETSCAPE								
HANES	AVE	TO	BARTON	AVE	SIGNAGE	AND	STRIPING	

BROOKLAND PARK BOULEVARD

AS NOTED 09/15/14 13(2)