SHENANDOAH HOTEL RENOVATION 501 N. ALLEN AVENUE, RICHMOND, VA

Civil Shoot List Table

	SHEET ID	SHEET TITLE								
	C0.0	COVER								
	C1.0	ALTA NSPS LAND TITLE SURVEY SHEET 1 OF 2								
	C1.1	ALTA NSPS LAND TITLE SURVEY SHEET 2 OF 2								
	C2.0	EXISTING CONDITIONS								
	\dots	GENERAL NOTES AND DETAILS								
3	C3.1	GENERAL NOTES AND DETAILS								
`ر	mmbtimm	······································								
	C5.0	GRADING PLAN								
	C6.0	UTILITY PLAN								
	C6.1	UTILITY NOTES AND DETAILS								
	WM1.0	WATER MODEL RESULTS*								
	L1.0	LANDSCAPE INVENTORY								
	L2.0	LANDSCAPE PLAN								
	L3.0	LANDSCAPE NOTES AND DETAILS								

* NOT INCLUDED IN SUP SET

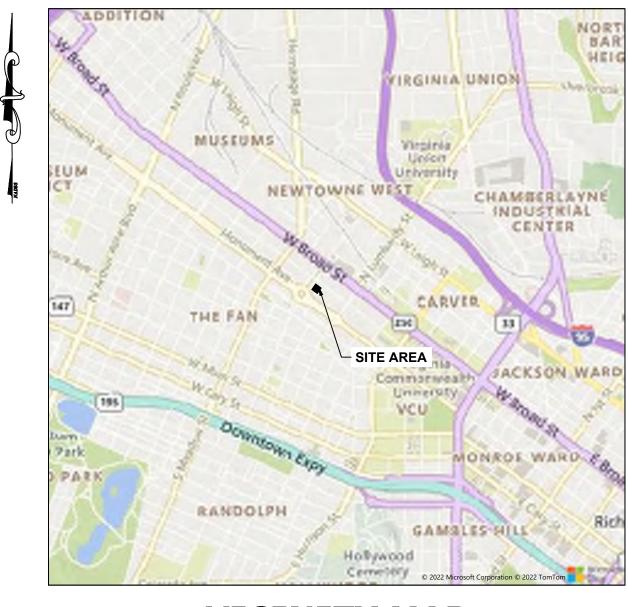
Architectural Sheet List Table							
SHEET ID	SHEET TITLE						
A200	BASEMENT PLAN						
A201 - A206	LEVEL 1 - LEVEL 6 FLOOR PLANS						
A207	ROOF PLAN						
A300 - A301	BUILDING ELEVATIONS						
A400	WALL SECTIONS						
A600 - A606	BASEMENT - LEVEL 6 RCP						
A700	STAIR A						
A701	STAIR B						
A702	STAIR C						
A800	DOOR SCHEDULE & DETAILS						
A801	WINDOW SCHEDULE AND DETAILS						
D201 - D206	LEVEL 1 - LEVEL 6 DEMOLITION PLANS						
D300	DEMOLITION BUILDING ELEVATIONS						
D601 - D606	LEVEL 1 - LEVEL 6 DEMOLITION RCP						

ARCHITECT COMMONWEALTH ARCHITECTS 101 SHOCKOE SLIP, 3RD FLOOR RICHMOND, VA 23219 CONTACT: JANE V.S. TIDWELL, NCIDO, IIDA, LEED AP ID+C TELEPHONE: (804) 648-5040 X1145 EMAIL: JTidwellecomarchs.com

OWNER/DEVELOPER

ASH NYC 153 LAFAYETTE STREET, 5TH FLOOR NEW YORK, NY 10013 CONTACT: JEN WEBBER TELEPHONE: (443) 278-4075 EMAIL: jennifer@ashnyc.com

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VICINITY MAP SCALE: 1" = 2,000'

SUP SET 06-14-2022

PROJECT SUMMARY

ADDRESS: PARCEL ID: ZONING: PLANNING DISTRICT **EXISTING USE:** PROPOSED USE: **NEIGHBORHOOD:** CIVIL ASSOCIATION: **BUILDING HEIGHT:** AREA OF LAND DISTURBANCE: TOTAL GROSS FLOOR AREA OF BUILDING EXISTING CONDITIONS:

REQUIRED PERMITS: DATUM: SUP CASE #: PARKING SPACES REQUIRED:

MEP ENGINEER

SALAS O'BRIEN 3200 ROCKBRIDGE ST. STE 202 RICHMOND, VA 23230 CONTACT: WARREN REED TELEPHONE: (804) 358-9200 x320 EMAIL: warren.reedesalasobrien.com

CIVIL/SITE ENGINEER

TIMMONS GROUP 1001 BOULDERS PKWY, SUITE 300 RICHMOND, VA 23225 CONTACT: AMELIA WEHUNT TELEPHONE: 804-200-6544 EMAIL: amelia.wehuntetimmons.com

- **501 NORTH ALLEN AVENUE**
- W0000735002
- **R-48 MULTIFAMILY RESIDENTIAL**
- NEAR WEST
- ELDERLY CARE
- HOTEL / RESTAURANT / BAR
- THE FAN
- FAN DISTRICT ASSOCIATION
- 68'-4" (TO ROOF)
- <4,000 SQ.F1
- TOTAL LAND AREA COVERED BY BUILDINGS: 6,766 SQ.FT
 - CITY OF RICHMOND UTILITY MAPS, CITY OF RICHMOND GIS
 - TOPOGRAPHIC SURVEY OF 501 NORTH ALLEN PARCEL ID: W0000735002 BY TIMMONS GROUP: COMPLETED FEBRUARY 5. 2022: SCALE: 1"=20'.
 - ALTA/NSPS LAND TITLE SURVEY SHOWING A PARCEL OF LAND TOTALING 0.450 ACRES LOCATED AT THE SOUTHEAST CORNER OF NORTH ALLEN AVE. AND WEST GRACE STREET IN THE CITY OF RICHMOND, VIRGINIA BY TIMMONS GROUP; COMPLETED 2/3/2022; SCALE: 1"=20'
 - WORK IN STREETS PERMIT, WATER AND SEWER PERMIT
 - NAVD88, NAD83
 - SUP-104056-2021

1 SPACE PER HOTEL ROOM + 1 SPACE PER 100 SQ. FT. OF RESTAURANT/BAR/CAFE

75 HOTEL ROOMS PARKING REQUIRED: 75 SPACES

BAR AREA: 780 SQ.FT. CAFE AREAS: 880 SQ.FT. PATIO AREAS: 1,150 SQ.FT. TOTAL: 2,810 SQ.FT. PARKING REQUIRED: 2,810 SQ.FT. / 100 = 28 SPACES

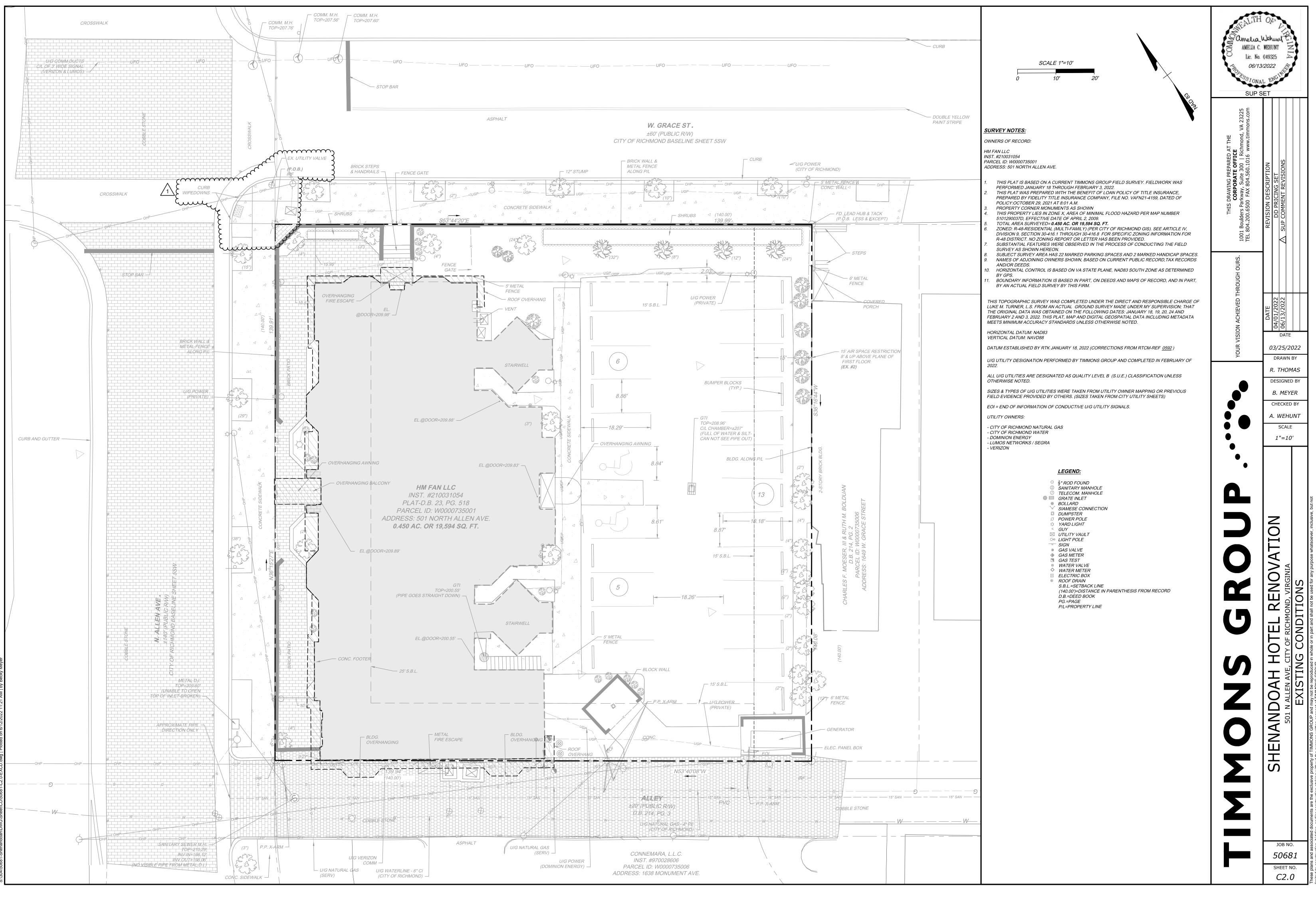
TOTAL PARKING REQUIRED: 103 SPACES

PROVIDED 24 SPACES ON-SITE (2 ADA) 5 SPACES ON N. ALLEN AVE. ADDITIONAL OFF-SITE PROVIDED VIA VALET TO MEET DEMAND

LANDSCAPE ARCHITECT TIMMONS GROUP

1001 BOULDERS PKWY, SUITE 300 RICHMOND, VA 23225 CONTACT: JULIE KOMMER, PLA, SITES AP TELEPHONE: 804-200-6594 EMAIL: julie.kommeretimmons.com

OMELIA LITH OF AMELIA LI Ubhuwi H ANELIA C. WEHUNT Lic. Na 049325 BOG/13/2022 BOG/13/2022 SUP SET							
THIS DRAWING PREPARED AT THE CORPORATE OFFICE 1001 Boulders Parkway, Suite 300 Richmond, VA 23225 TEL 804.200.6500 FAX 804.560.1016 www.timmons.com	REVISION DESCRIPTION	DD PRICING SET	ightarrow SUP COMMENT REVISIONS				
YOUR VISION ACHIEVED THROUGH OURS.	DATE	-	-	/2(122		
	[DRAWN BY <i>R. THOMAS</i> DESIGNED BY <i>B. MEYER</i> CHECKED BY <i>A. WEHUNT</i> SCALE					
LINDOUD.	<		OB				hese plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not
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- CONSTRUCTION NOTES
- CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE MOST RECENT CITY OF RICHMOND RIGHT OF WAY EXCAVATION AND RESTORATION MANUAL AND VDOT ROAD AND BRIDGE SPECIFICATIONS AND ROAD DESIGN & STANDARDS INCLUDING ALL SUBSEQUENT REVISIONS. RESTORE ANY INFRASTRUCTURE (SIDEWALKS, CURBS, ETC.) DAMAGED DURING CONSTRUCTION AT THE EXPENSE OF THE CONTRACTOR.
- 2. CALL "MISS UTILITY" OF CENTRAL VIRGINIA AT 1-800-552-7001 (TOLL FREE) 48 HOURS PRIOR TO THE START OF EXCAVATION. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT THE ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLAN, IF THERE APPEARS TO BE A CONFLICT, AND UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON PLAN.
- 3. ACQUIRE AND PAY FOR ANY AND ALL NECESSARY CONSTRUCTION PERMITS, AND FURNISH COPIES TO THE OWNER UNLESS OTHERWISE DIRECTED.
- 4. ALL UTILITY LINES SUCH AS ELECTRIC, TELEPHONE, CATV, OR OTHER SIMILAR LINES SHALL BE INSTALLED UNDERGROUND.
- 5. IN ACCORDANCE WITH HANDICAP ACCESSIBILITY REQUIREMENTS, ALL APPLICABLE CODES AND REQUIREMENTS FOR ACCESSIBILITY FOR DISABLED PERSONS SHALL BE STRICTLY COMPLIED WITH.

CONSTRUCTION SEQUENCE GUIDELINES

- 1. PROVIDE A DETAILED SCHEDULE AND SEQUENCE OF CONSTRUCTION TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION. CONSTRUCTION SEQUENCE GUIDELINES HAVE BEEN PROVIDED BELOW TO PROVIDE REQUIRED OPERATIONAL PARAMETERS DURING CONSTRUCTION.
- 2. ACQUIRE ALL PERMITS PRIOR TO CONSTRUCTION. ALL FEES ASSOCIATED WITH PERMITS SHALL BE PAID BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED.
- 3. SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY OF RICHMOND'S DEPARTMENT OF PUBLIC UTILITIES AND TIMMONS GROUP AT LEAST 72 HOURS PRIOR TO THE START OF WORK.
- 4. CALL "MISS UTILITY" AT 1-800-552-7001 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CONTACT THE ENGINEER IMMEDIATELY IF: 4.1. LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLAN;
- 4.2. IF THERE APPEARS TO BE A CONFLICT 4.3. OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS.
- 5. PERFORM CONSTRUCTION SURVEY STAKEOUT FOR PROPOSED IMPROVEMENTS AND CONSTRUCTION LIMITS. ALL SURVEYING OPERATIONS MUST BE PERFORMED BY A VIRGINIA LICENSED SURVEYOR
- 6. MAINTAIN UNINTERRUPTED UTILITY SERVICE TO ALL ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION
- 7. DEMOLISH ITEMS AS INDICATED ON SHEET C4.0.
- 8. INSTALL AND MOVE TEMPORARY PUMPS AS NECESSARY TO DIVERT CLEAN WATER AROUND ACTIVE PORTIONS OF THE CONSTRUCTION SITE. PROVIDE TEMPORARY DRAINAGE MEASURES WITHIN THE PROJECT LIMITS AT THE END OF EACH DAY AS NECESSARY TO PREVENT FLOODING AND SEDIMENT RUNOFF INTO EXISTING STORMWATER SYSTEMS.
- 9. INSTALL UTILITIES PER SHEET C6.0. ENSURE PIPES ARE INSTALLED FROM CONNECTION BACK TO BUILDING
- 10. RESTRIPE PARKING LOT.

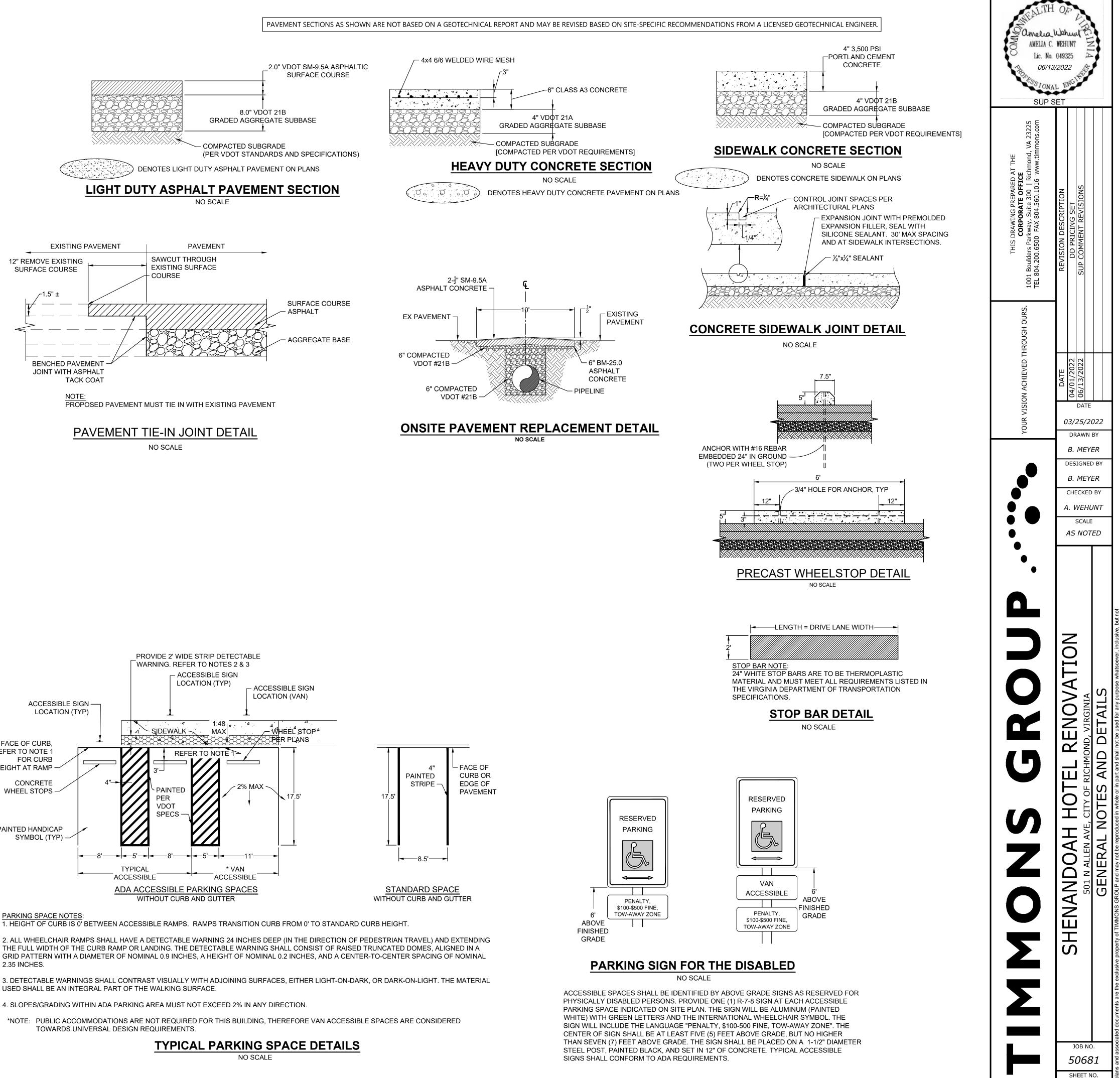
RESTORE GRANITE SPALL PAVEMENT *

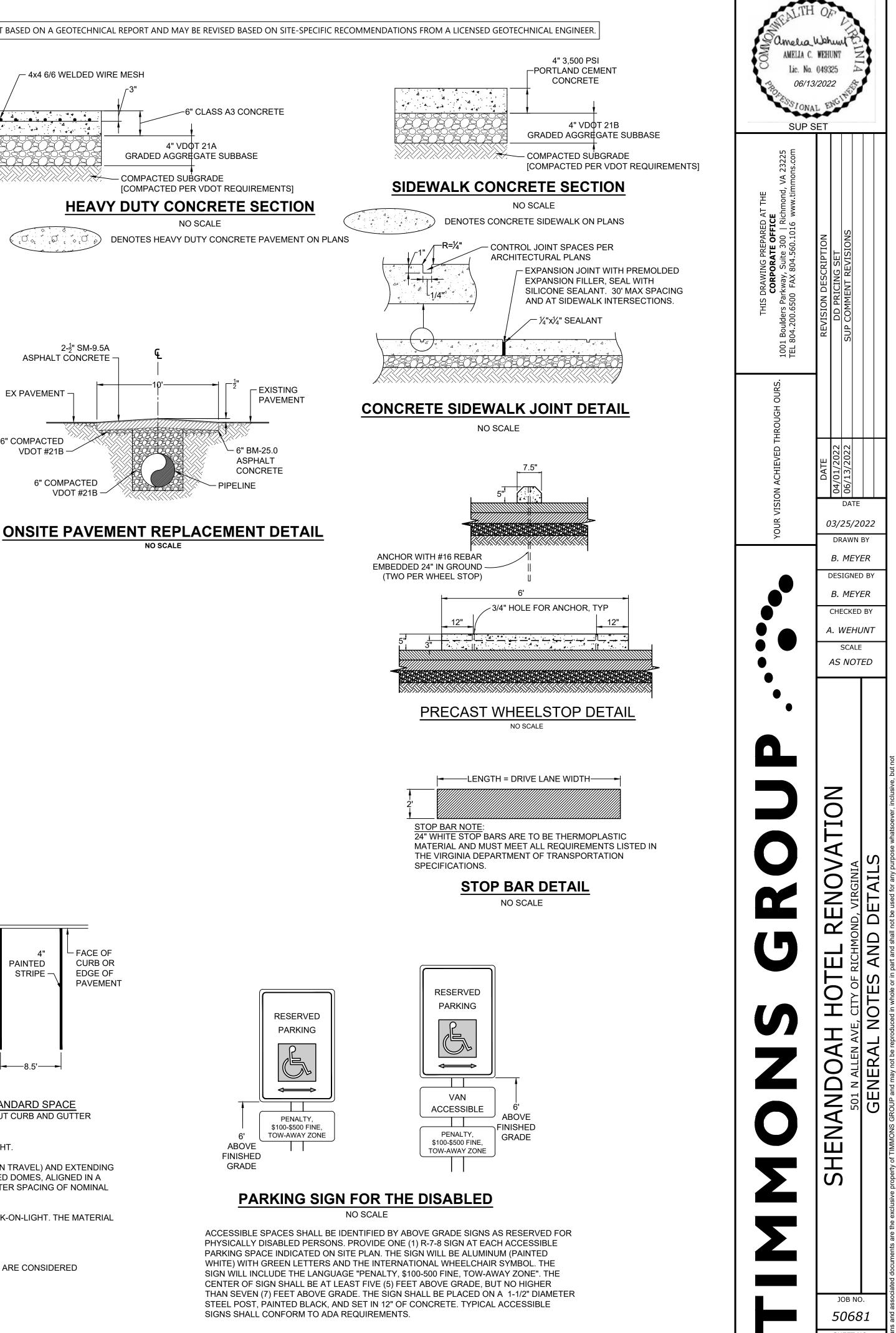
- A. DESCRIPTION THIS PAVEMENT IS A ROUGHLY CUT GRANITE BLOCK WEARING SURFACE AS HEREINAFTER DESCRIBED AND LOCALLY KNOWN AS "SPALL". THESE SPALL ARE TO BE LAID IN A MORTAR BED WITH GROUT JOINT FILLER.
- B. GRANITE SPALL GRANITE SPALL SHALL BE FROM FOUR (4) TO SEVEN AND ONE-HALF (7 1/2) INCHES DEEP, FROM THREE (3) TO SIX (6) INCHES WIDE AND FROM THREE (3) TO TEN (10) INCHES LONG. THE SIDES SHALL PERMIT LAYING WITH JOINTS NOT OVER THREE-QUARTERS (3/4) OF AN INCH IN WIDTH AND JOINTS OF THAT WIDTH SHALL BE EXCEPTIONAL. THE UPPER FACE SHALL BE UNIFORM TO PERMIT LAYING TO THE GENERAL SURFACE OF THE PAVEMENT.
- C. MORTAR BEDDING THE MORTAR BEDDING SHALL COMPLY WITH THE REQUIREMENTS FOR NONSHRINK MORTAR. THE SAND USED SHALL CONFORM TO VDOT SPECIFICATIONS, SEC. 202, GRADING C. THE MORTAR BEDDING SHALL BE MAXIMUM TWO (2) INCHES THICK.
- D. LAYING SPALL ON THIS MORTAR BEDDING THE GRANITE SPALL SHALL BE LAID AT RIGHT ANGLES TO THE CENTER OF THE STREET. EACH COURSE OF SPALL SHALL BE APPROXIMATELY OF UNIFORM WIDTH AND DEPTH, AND SO LAID THAT ALL LONGITUDINAL JOINTS SHALL BE BROKEN BY A LAP OF AT LEAST TWO (2) INCHES. AS EACH COURSE IS LAID THE CEMENT SAND BEDDING WILL FILL THE JOINTS TO WITHIN THREE (3) INCHES OF THE SURFACE OF THE PAVEMENT. IRREGULAR SHAPED AND ODD SIZED SPALL SHALL BE CULLED BY THE PAVERS. AFTER THE SPALL HAS BEEN PLACED IN THE MORTAR BEDDING THE PAVEMENT SHALL BE TESTED WITH A TEN (10) FOOT STRAIGHT EDGE LAID PARALLEL WITH THE CENTER LINE OF THE PAVEMENT AND ANY IRREGULARITIES EXCEEDING ONE-QUARTER (1/4) OF AN INCH MUST BE CORRECTED AS DIRECTED BY RE-LAYING OF THE SPALL
- THE JOINTS SHALL THEN BE FILLED WITH GROUT (EMACO S77 CI) OR APPROVED EQUAL, AROUND ALL GRANITE SPALL TO WITHIN 1/4" OF THE TOP.
- F. OBLIGATION OF CONTRACTOR AT END OF GUARANTEE PERIOD IN ADDITION TO THE PROPER MAINTENANCE OF THE PAVEMENT DURING THE PERIOD OF GUARANTEE, WHICH WILL INCLUDE REFILLING GROUT FILLED JOINTS IF THEY BECOME OPEN, THE CONTRACTOR SHALL AT HIS EXPENSE, JUST BEFORE THE EXPIRATION OF THE GUARANTEE PERIOD, MAKE SUCH REPAIRS AS NECESSARY TO THE PAVEMENT WHERE IT SHOWS INDICATION OF HAVING BEEN DEFECTIVELY CONSTRUCTED.
- * PER CITY OF RICHMOND TECHNICAL SPECIFICATIONS FOR PAVING & RESTORATION OF UTILITY CUTS SECTION 2.9

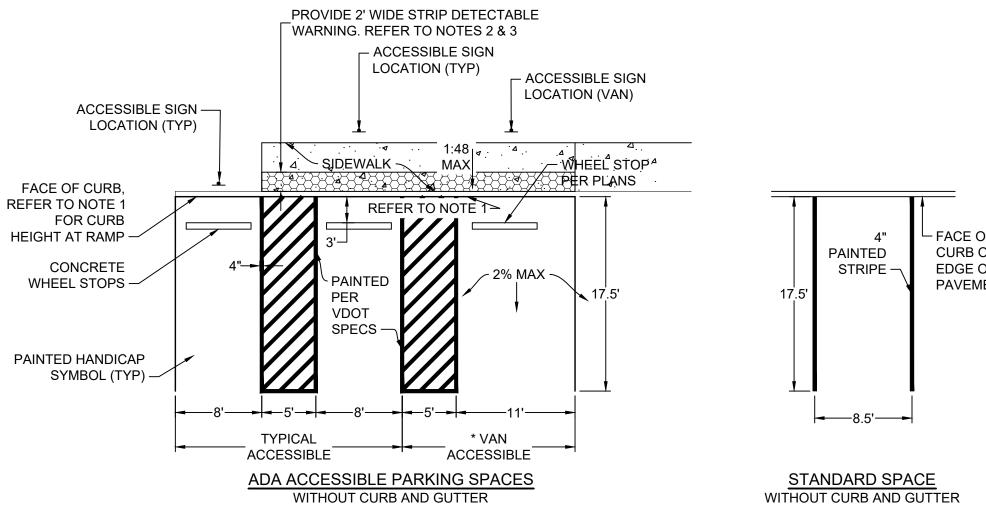
CG-12

- NOTE: COMPONENTS OF CURB RAMPS CONSIST OF THE FOLLOWING: HYDRAULIC CEMENT SIDEWALK (DEPTH IN INCHES, AREA IN SQUARE YARDS) CURB WHEN REQUIRED (CG-2 OR CG-3 IN LINEAR FEET) DETECTABLE WARNING SURFACE (AREA IN SQUARE YARDS) EACH OF THE ABOVE ITEMS IS A SEPARATE PAY ITEM AND SHOULD BE SUMMARIZED FOR EACH CURB CUT RAMP. GENERAL NOTES: 1. THE DETECTABLE WARNING SHALL BE PROVIDED BY TRUNCATED DOMES. DETECTABLE WARNING SHALL BE FROM THE MATERIALS APPROVED LIST FOR DETECTABLE WARNING SUFACES. PRODUCTS NOT LISTED SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION FOR CG-12 DETECTABLE WARNING SUFFACE AND SHALL BE SUBMITTED TO THE STANDARDS AND SPECIAL DESIGN SECTION FOR APPROVAL. SIDEWALK RAMP 12:1 MAX SLOPING SIDES OF CURB RAMP MAY BE POURED MONOLITHICALLY WITH RAMP FLOOR OR BY USING PERMISSIBLE CONSTRUCTION JOINT WITH REQUIRED BARS. 4. IF RAMP FLOOR IS PRECAST, HOLES MUST BE PROVIDED FOR DOWEL BARS SO THAT ADJOINING FLARED SIDES CAN BE CAST IN PLACE AFTER PLACEMENT OF PRECAST RAMP FLOOR. PRECAST CONCRETE SHALL BE CLASS A-4. typf a 5. REQUIRED BARS ARE TO BE NO.5 X 8" PLACED 1 CENTER TO CENTER ALONG BOTH SIDES OF THE RAMP FLOOR, MID-DEPTH OF RAMP FLOOR. MINIMUM CONCRETE COVER $1^{1}\!/_{2}$ ". PERPENDICULAR 6. CURB / CURB AND GUTTER SLOPE TRANSITIONS ADJACENT TO CURB RAMPS ARE INCLUDED IN PAYMENT FOR CURB / CURB AND GUTTER. CURB RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THEY ARE TO BE PROVIDED AT INTERSECTIONS WHEREVER AN ACCESSIBLE ROUTE WITHIN THE RIGHT OF WAY OF A HIGHWAY FACILITY CROSSES A CURB REGARDLESS OF WHETHER SIDEWALK IS EXISTING, PROPOSED, OR NONEXISTENT. THEY MUST BE LOCATED BY THE ENGINEER, AND SHOULD NOT BE LOCATED BEHIND VEHICLE STOP LINES, EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. ACCESSIBLE ROUTES PROVIDE A CONTINUOUS UNOBSTRUCTED, STABLE, FIRM AND SLIP RESISTANT PATH CONNECTING ALL ACCESSIBLE ELEMENTS OF A FACILITY THAT CAN BE APPROACHED, ENTERED AND USED BY PEDESTRIANS. PARALLEL 12:1 MAX 8. RAMPS MAY BE PLACED ON RADIAL OR TANGENTIAL SECTIONS PROVIDED THAT THE CURB OPENING IS PLACED WITHIN THE LIMITS OF THE CROSSWALK AND THAT THE SLOPE AT THE CONNECTION OF THE CURB OPENING IS PERPENDICULAR TO THE CURB. TYPICAL CONCRETE SIDEWALK IS 4" THICK. WHEN THE ENTRANCE RADIICANNOT ACCOMMODATE THE TURNING REQUIREMENTS OF ANTICIPATED HEAVY TRUCK TRAFFIC, REFER TO STANDARD CG-13, COMMERCIAL ENTRANCE (HEAVY TRUCK TRAFFIC) FOR CONCRETE DEPTH. 4' MIN AT X , 2" HIGHER THAN EDGE OF PAVEMENT 10. WHEN CURB RAMPS ARE USED IN CONJUNCTION WITH A SHARED USE PATH, THE MINIMUM WIDTH SHALL BE THE WIDTH OF THE SHARED USE PATH. AT ${\mathbb X} {\mathbb X}$, same as top of curb WHEN ONLY ONE CURB RAMP IS PROVIDED FOR TWO CROSSINGS (DIAGONAL) A 4'x 4'LANDING AREA SHALL BE PROVIDED TO MANEUVER A WHEELCHAR INTO THE CROSSWALK WITHOUT GOING INTO THE TRAVELWAY. THIS 4'x 4' LANDING AREA MAY INCLUDE THE GUTTER PAN. TYPE C PARALLEL & PERPENDICULAR ALL CASES WHERE CURB RAMPS INTERSECT A RADIAL SECTION OF CURB AT ENTRANCES OR STREET CONNECTIONS THE DETECTABLE WARNING SURFACE SHALL HAVE A FACTORY RADIUS OR BE FIELD -MODIFIED AS RECOMMENDED BY THE MANUFACTURER TO MATCH THE BACK OF CURB. -TRUNCATED DOME → 1.6"-2.4" C-C 0,000000 RAMP ANDING ___(+ + -___ 0 ______50%-65% OF BASE DIAMETER
- DETECTABLE WARNING AT BACK OF CURB BASE DIAMETER VARIABLE FULL WIDTH OF RAMP FLOOR SEE NOTE 12 TRUNCATED DOME DETECTABLE WARNING DETECTABLE WARNING DETAIL INSTALLED ON A RADIUS DETAIL SPECIFICATION REFERENCE CG-12 DETECTABLE WARNING SURFACE ROAD AND BRIDGE STANDARDS (GENERAL NOTES) 105 502 SHEET 1 OF 5 REVISION DATE VIRGINIA DEPARTMENT OF TRANSPORTATION 07/15 203.05

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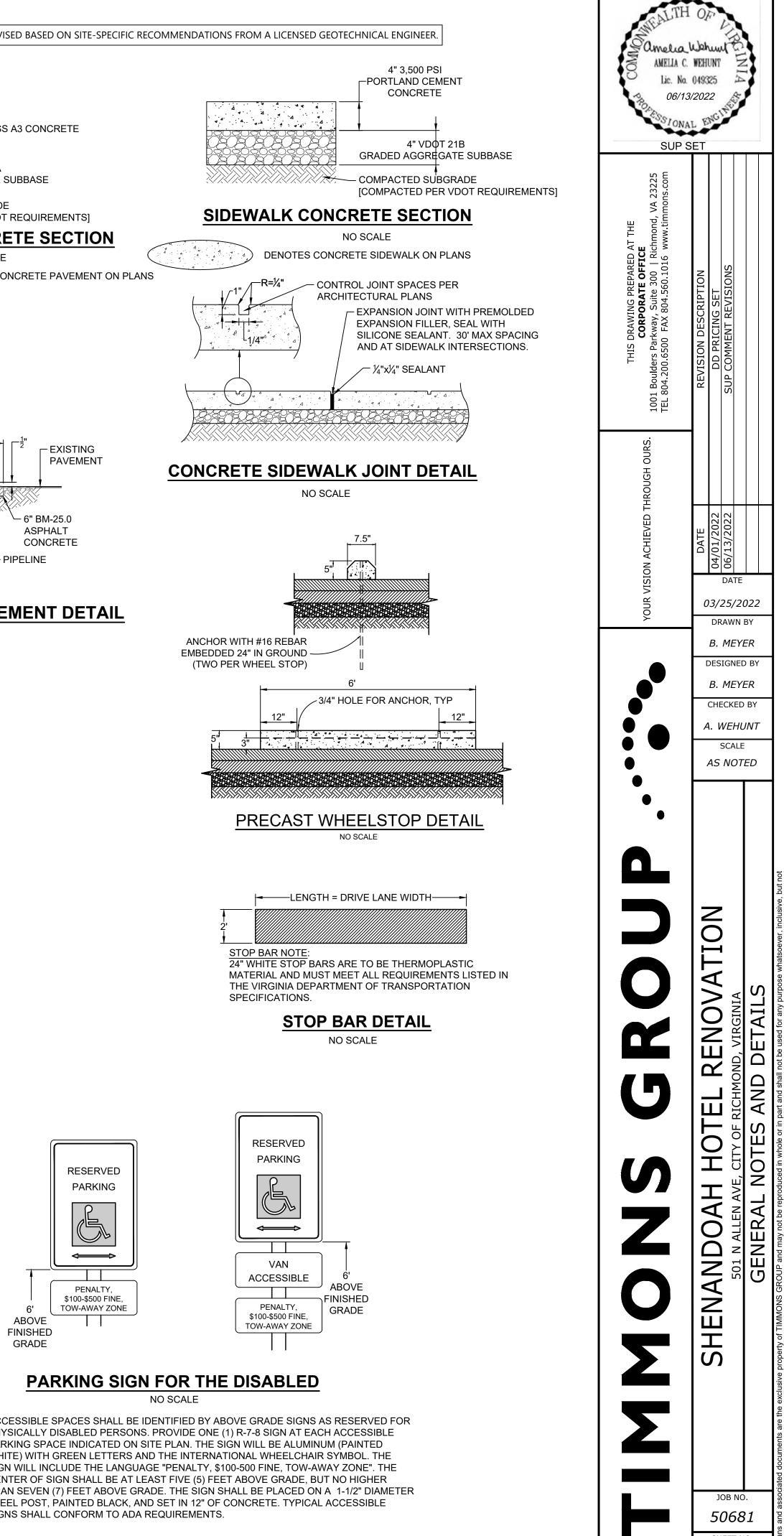
1. HEIGHT OF CURB IS 0' BETWEEN ACCESSIBLE RAMPS. RAMPS TRANSITION CURB FROM 0' TO STANDARD CURB HEIGHT

2. ALL WHEELCHAIR RAMPS SHALL HAVE A DETECTABLE WARNING 24 INCHES DEEP (IN THE DIRECTION OF PEDESTRIAN TRAVEL) AND EXTENDING THE FULL WIDTH OF THE CURB RAMP OR LANDING. THE DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES, ALIGNED IN A GRID PATTERN WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES, AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES.

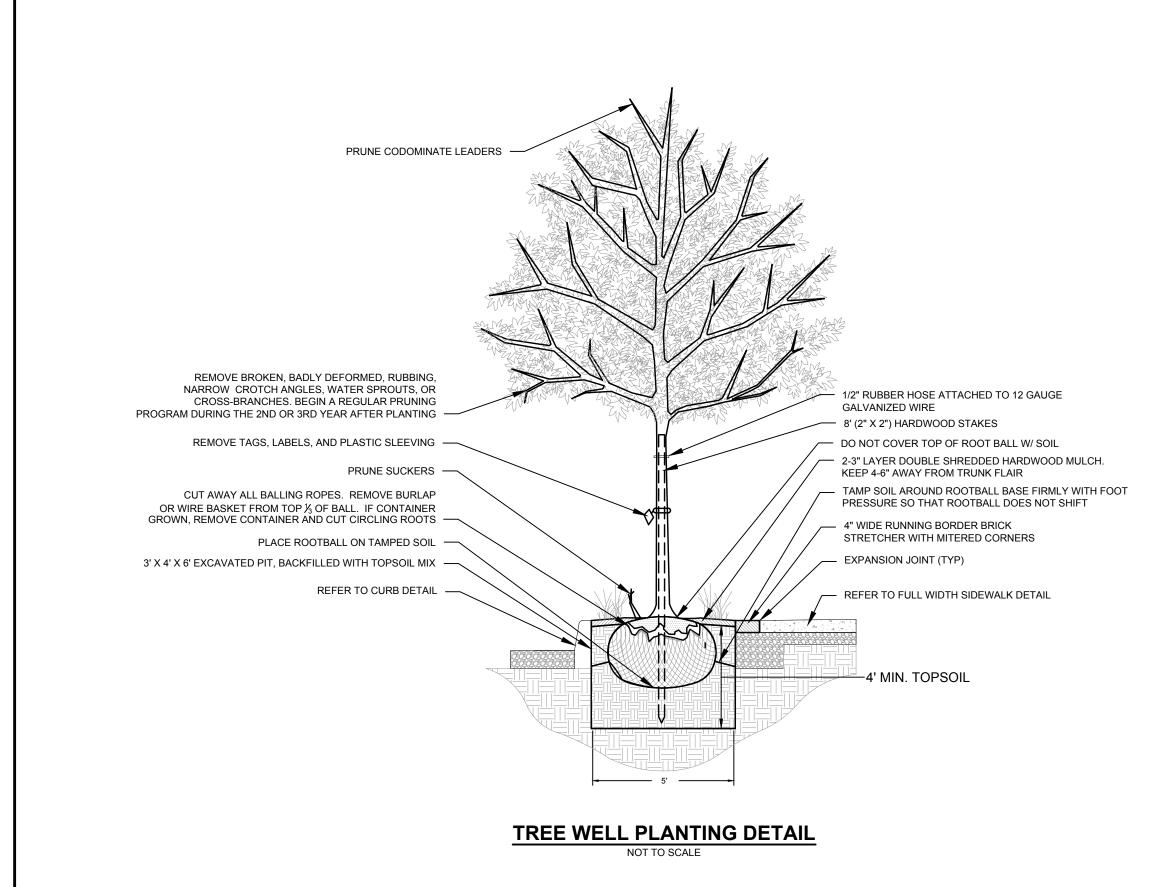
3. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.

4. SLOPES/GRADING WITHIN ADA PARKING AREA MUST NOT EXCEED 2% IN ANY DIRECTION.

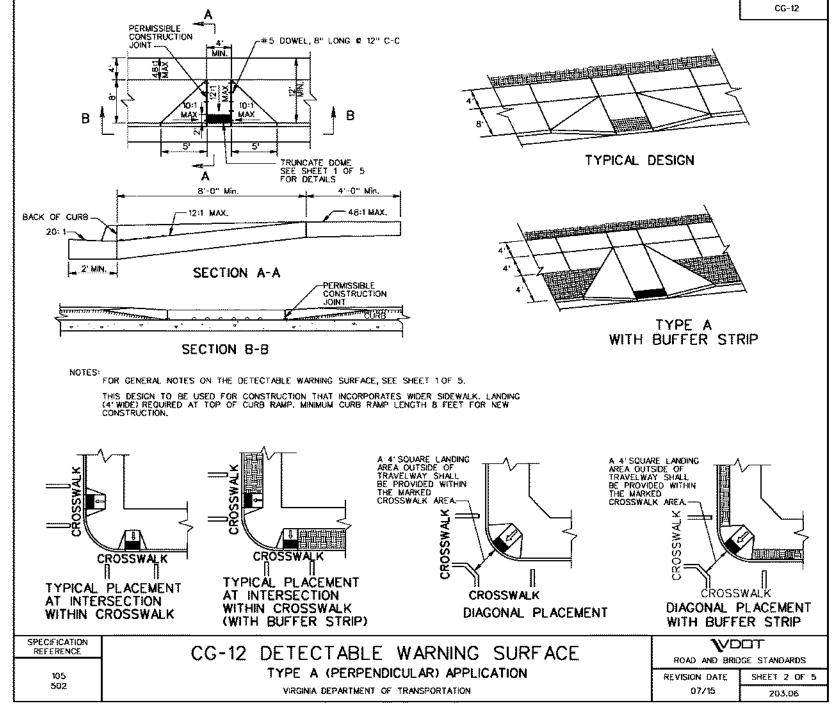
*NOTE: PUBLIC ACCOMMODATIONS ARE NOT REQUIRED FOR THIS BUILDING, THEREFORE VAN ACCESSIBLE SPACES ARE CONSIDERED



C3.0



2016 ROAD & BRIDGE STANDARDS



2016 ROAD & BRIDGE STANDARDS

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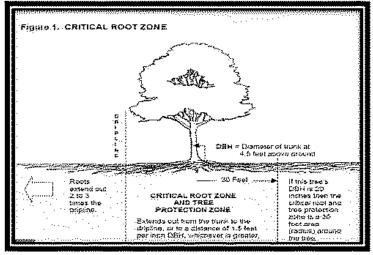
Tree Protection Zone

TPZ fences identify "exclusion zones" where construction and equipment use is prohibited.

The TPZ is an area around the tree where construction and equipment use is prohibited. Tree protection bright orange fencing shall be erected. "Keep Out" signs shall be located on all sides of the fencing, before clearing, deliveries, and other construction activities begin and not removed until all machinery is off site. All on site workers should be aware of the TPZ and restrictions on activities within this zone.

When TPZs are located on a down slope a silt fence must be included. If entry in to the TPZ is required, use a root buffer to protect roots from crushing roots and compacting soil. No construction materials shall be stored within the TPZ zone.

If Utility work is required within the zone the City Arborist shall be consulted and guidelines will be provided.



At a minimum it should be encompass a radius of at least 1.5 feet for each inch of trunk diameter.

Tree protection zones protect trees and their root zones during construction, cutting or filling around roots

will weaken and eventually kill trees.

If adjustments are needed the request shall be in writing and approved by the City Arborist, and all parties shall be notified of the change.

How Trees Are Damaged During Construction

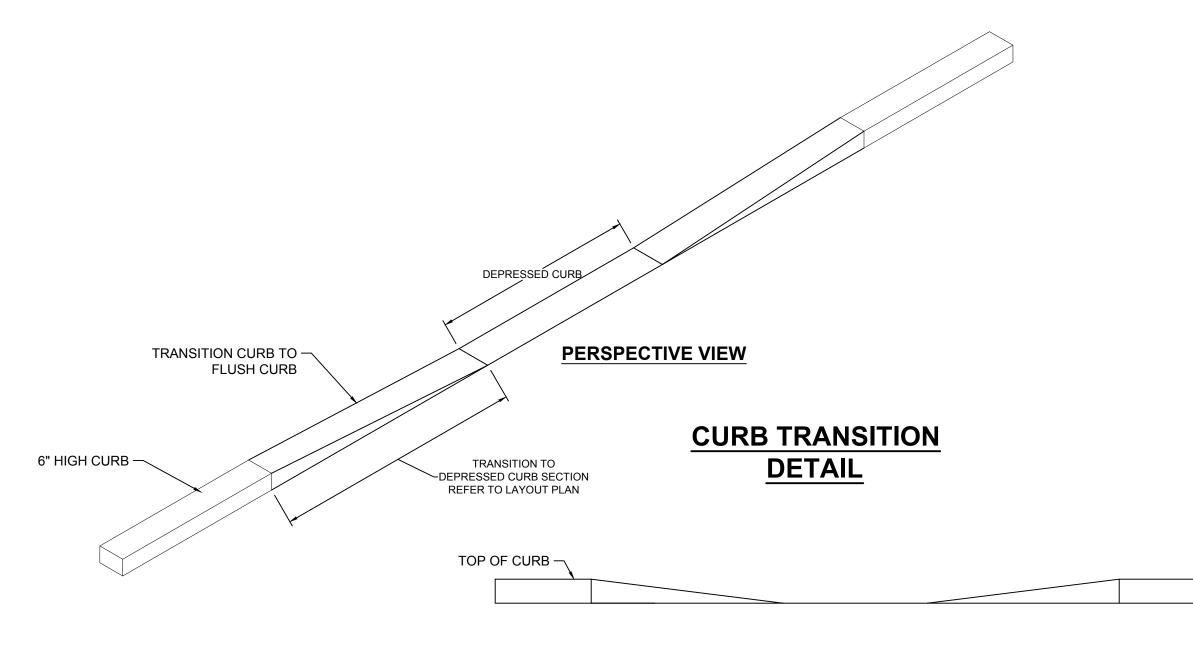
Physical Injury to Trunk and Crown. Construction equipment can injure the above-ground portion of a tree by breaking branches, tearing the bark, and wounding the trunk. These injuries are permanent and, if extensive, can be fatal.

Root Cutting. Digging, grading, and trenching associated with construction and underground utility installation can be quite damaging to roots. A tree's root system can extend horizontally a distance 1 to 3 times greater than the height of a tree. It is important to cut as far away from a tree as possible to prevent damage that can compromise tree health and stability. Cutting under a tree's crown can reduce tree vitality. Cutting roots close to the trunk can severely damage a tree and limit its ability to stay upright in storms.

Soil Compaction. An ideal soil for root growth and development contains about 50 percent pore space for water and air movement. Heavy construction equipment can compact soil and dramatically reduce pore space. Compaction inhibits root growth, limits water penetration, and decreases oxygen needed for root survival.

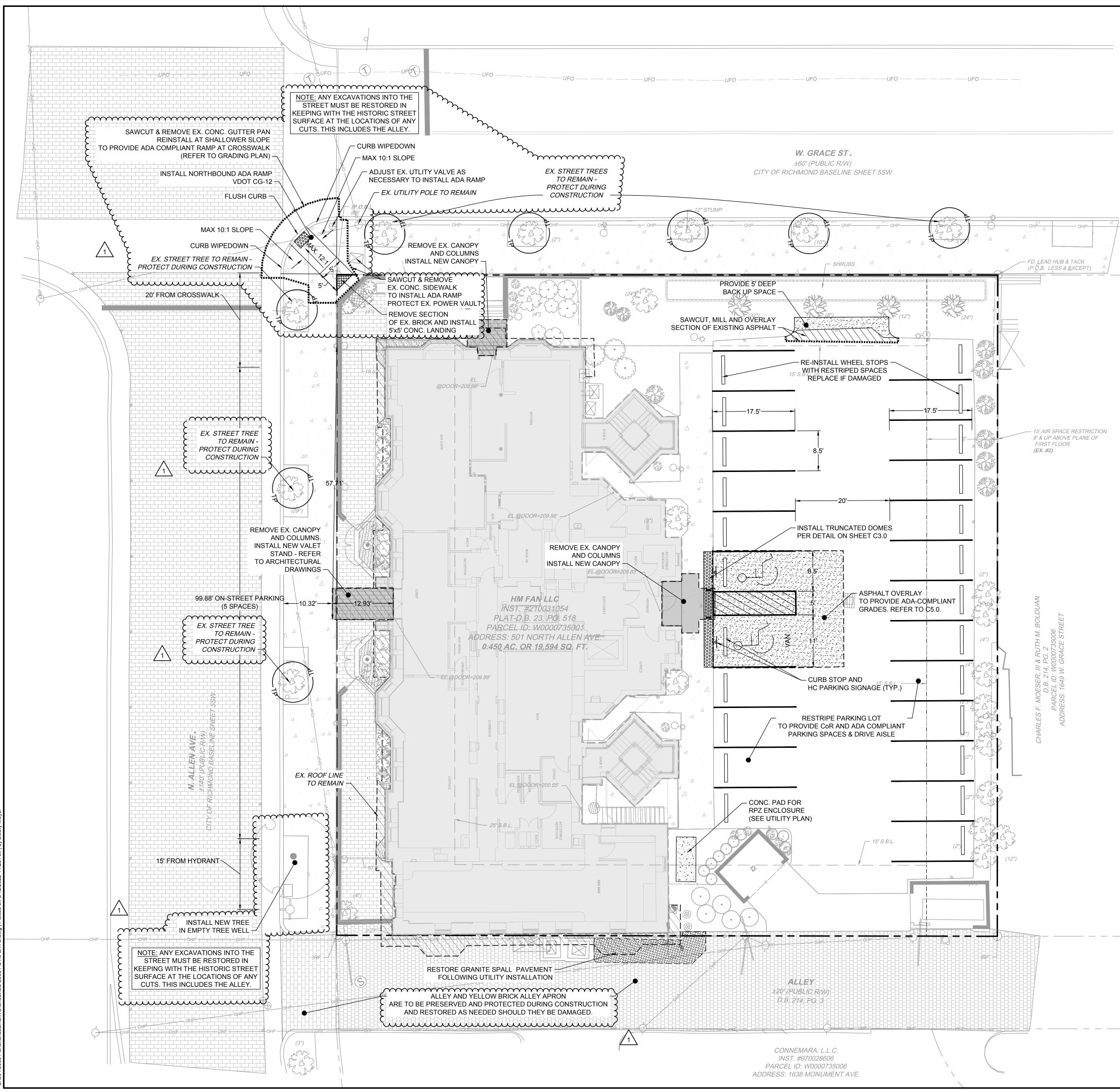
Smothering Roots by Adding Soil. The majority of fine water-and-mineral-absorbing roots are in the upper 6 to 12 inches (15 to 30 cm) of soil where oxygen and moisture levels tend to be best suited for growth. Even a few inches of soil piled over the root system to change the grade can smother fine roots and eventually lead to larger root death.

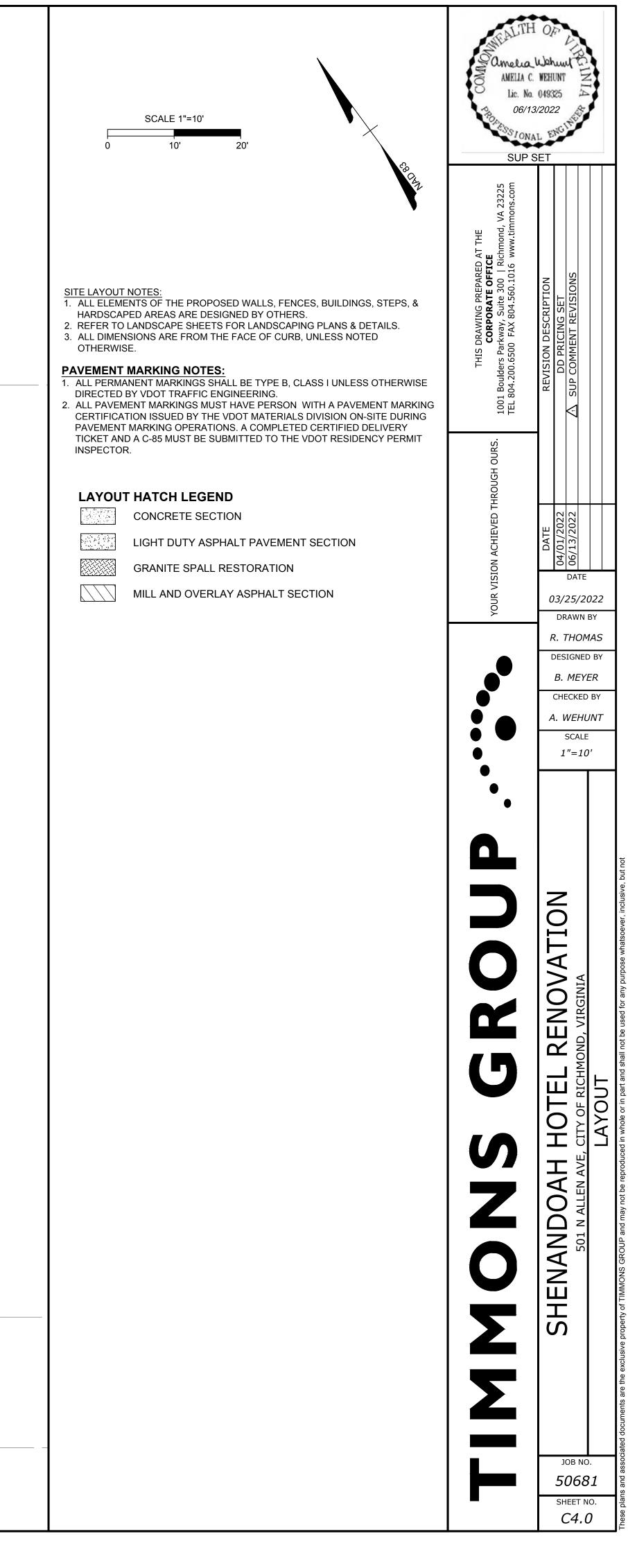
Exposure to the Elements. Trees in a forest grow as a community, protecting each other from the elements. The trees grow tall with long, straight trunks and high canopies. Removing neighboring trees during construction exposes the remaining trees to increased sunlight and wind which may lead to sunscald or breakage of limbs and stems.

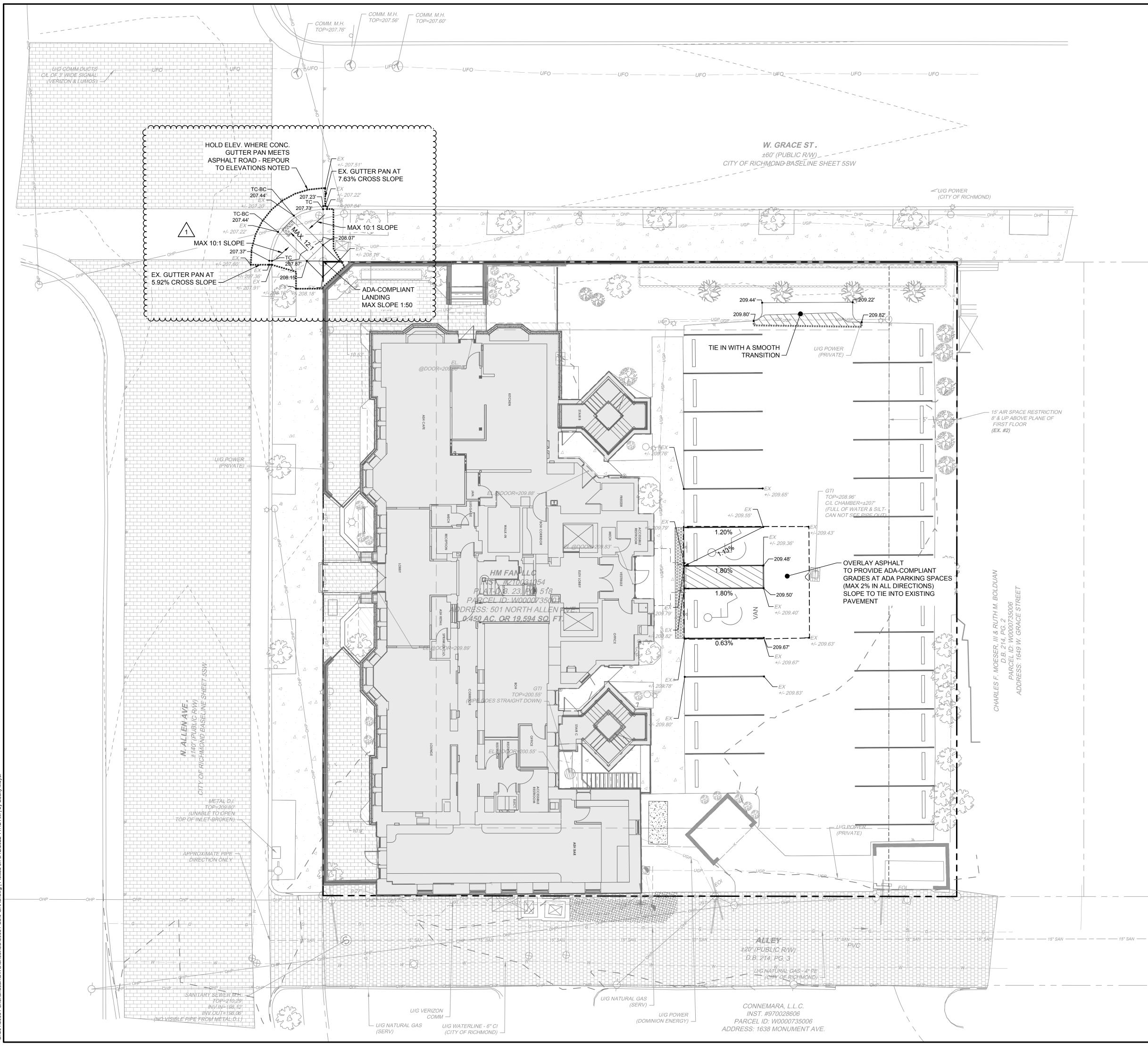


ELEVATION VIEW

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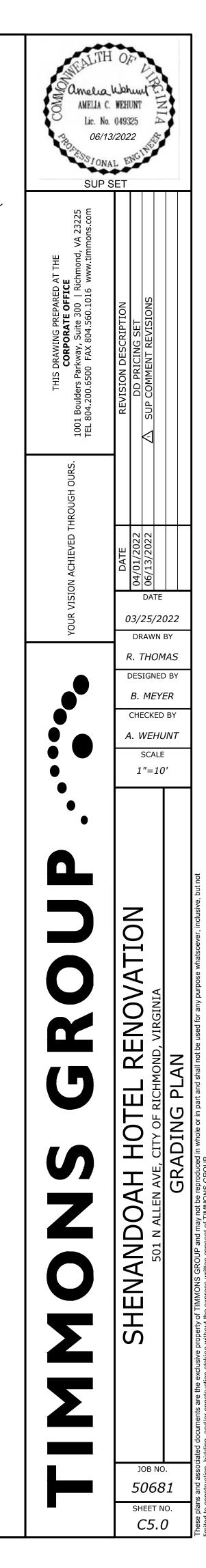


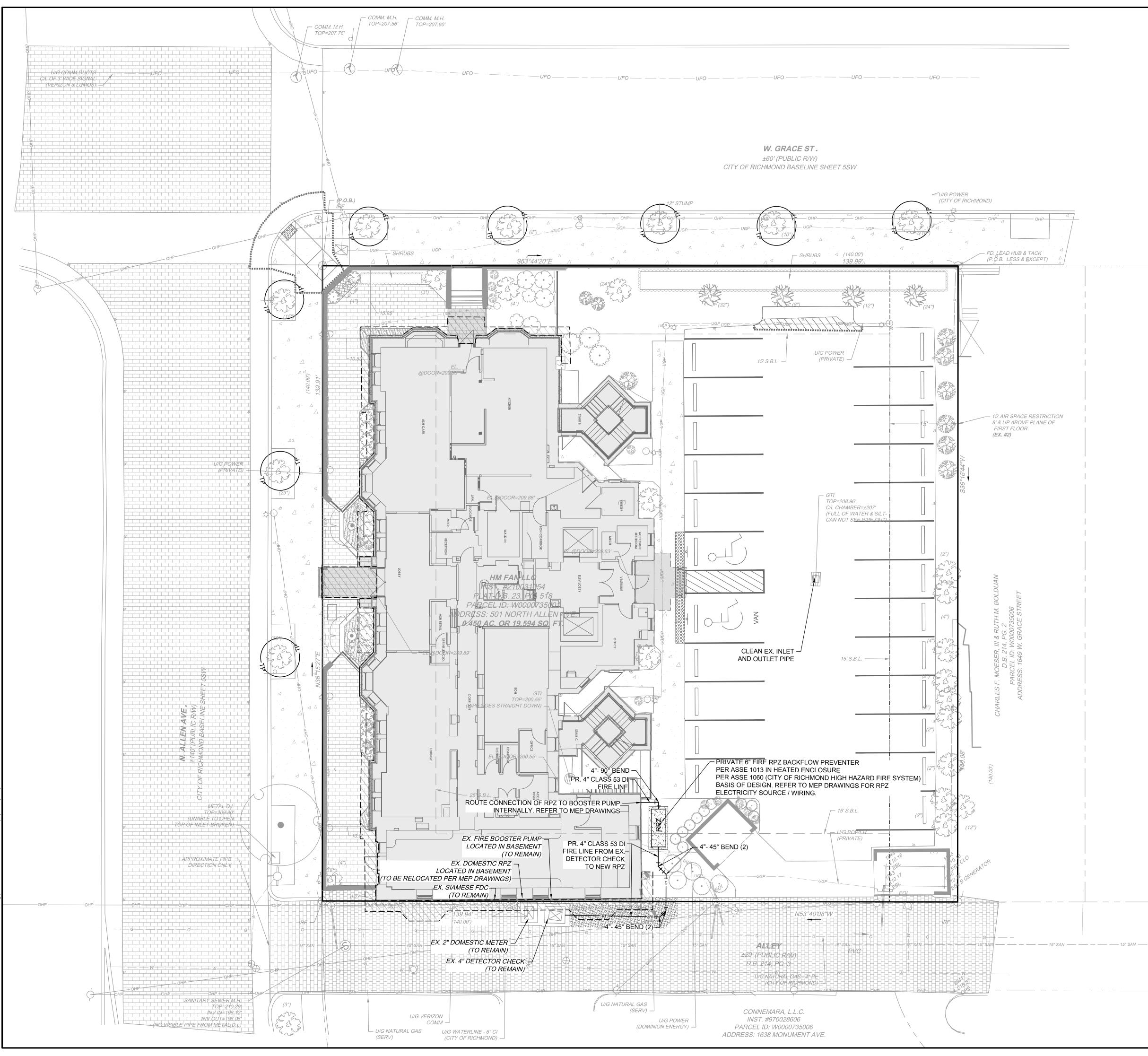
0681-Shenandoah\DWG\Sheet\CD\50681-C5.0-GRAD.dwg | Plotted on 6/12/2022 11:42 AM | by Becky Mey

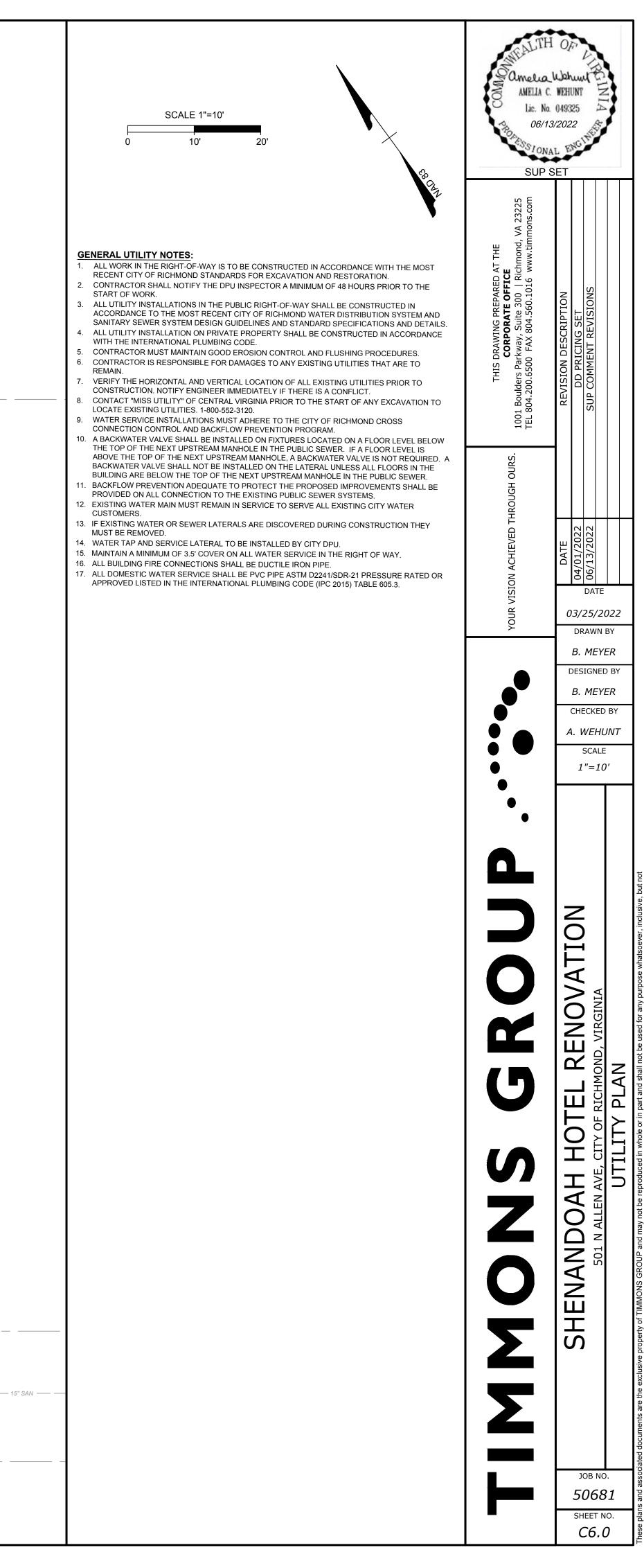
SCALE 1"=10' 10' 2'

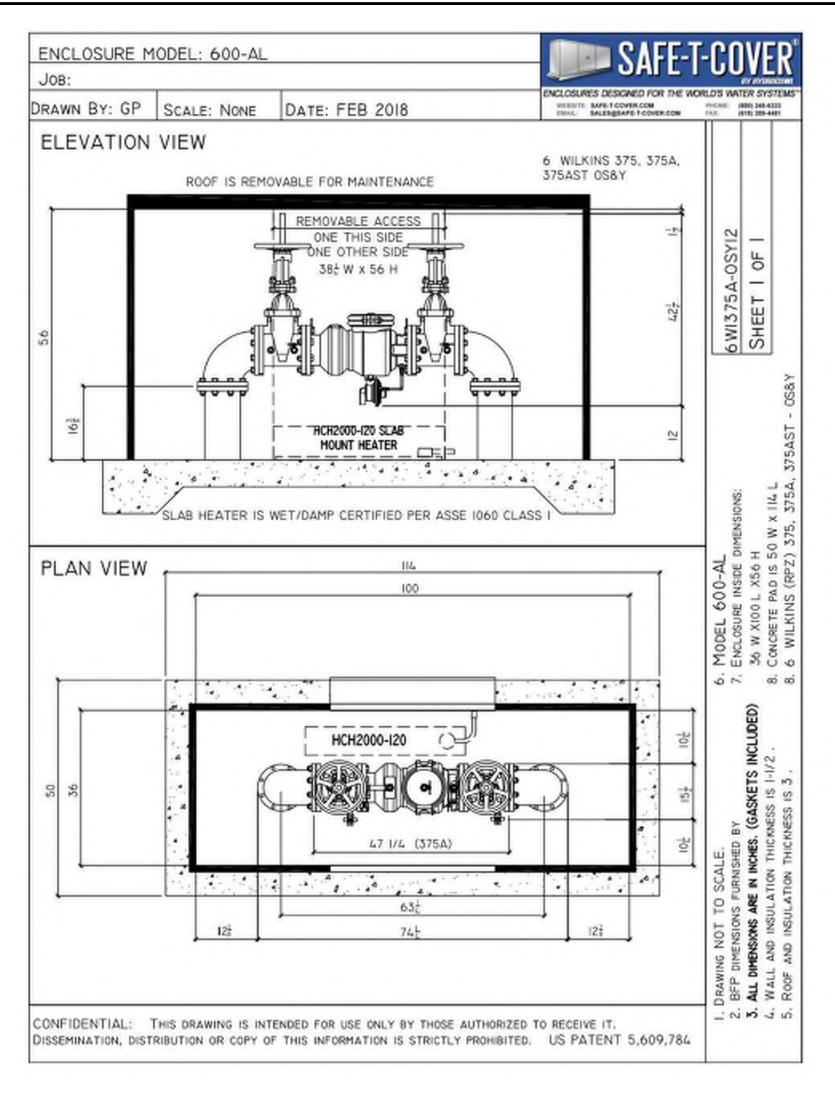
NOTES: 1. MAX. LONGITUDINAL GRADE IS 5% TO MEET ADA STANDARDS. 2. ADA ROUTES SHALL NOT EXCEED 2% CROSS SLOPE AND 5% LONGITUDINAL SLOPE.

GRADING LEGEND								
— —15 0 — —	EXISTING CONTOURS							
150	PROPOSED CONTOURS							
EX ±150.25'	EXISTING SPOT GRADE							
+ 150.25'	PROPOSED SPOT GRADE							
+ ^{TC} _{150.25'}	PROPOSED TOP OF CURB							
+ ^{EP} 150.25'	PROPOSED EDGE OF PAVEMENT							





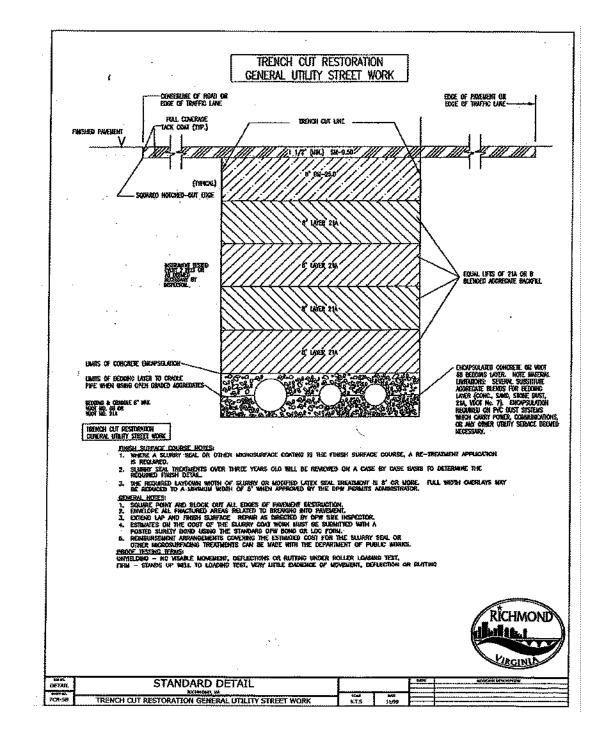


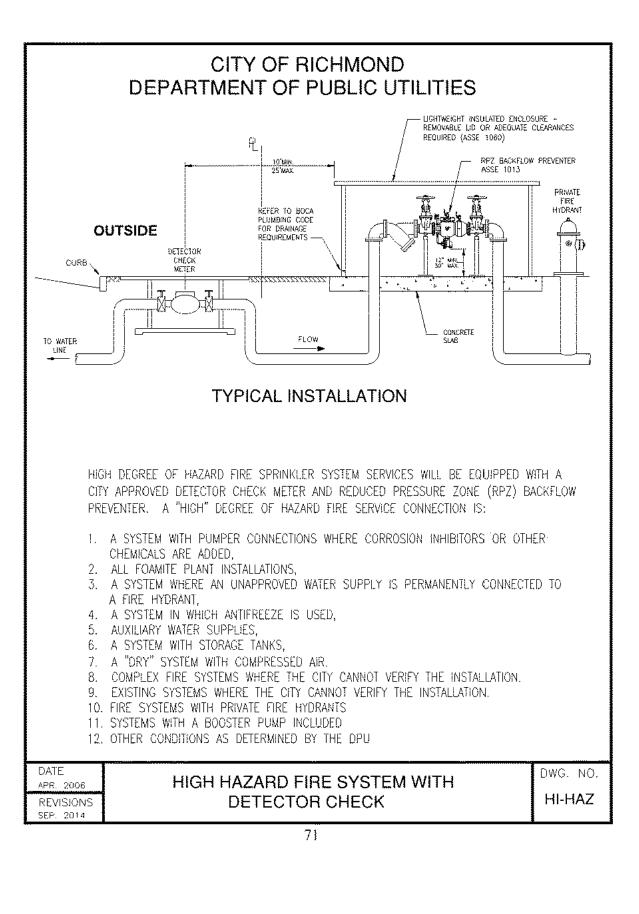


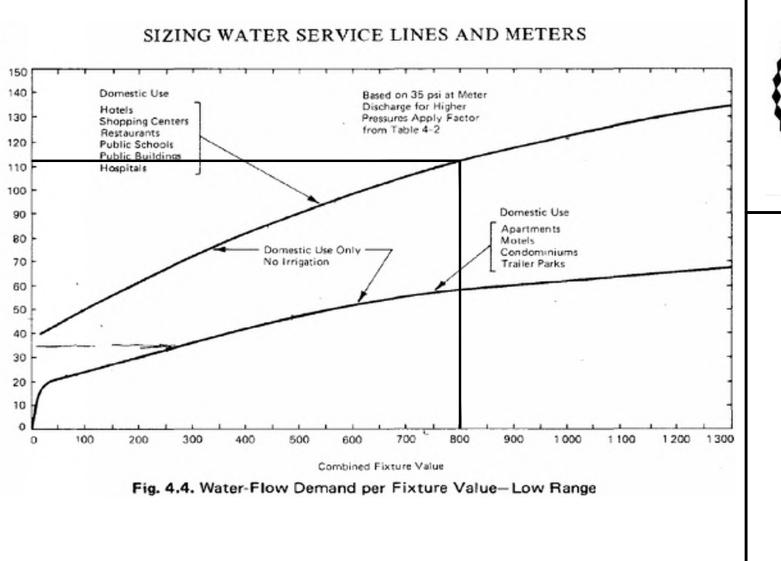
CITY OF RICHMOND DEPARTMENT OF PUBLIC UTILITIES TYPICAL INSTALLATION PROCEDURES							
1. REFER TO ALL APPLICABLE CODES AND MANUALS DURING DESIGN.							
	BFP ASSEMBLY'S SHUTOFF VALVES SHALL BE THE ONES APPRON JFACTURER FOR THAT BFP ASSEMBLY.	/ED BY					
	IT PLANS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER DINNECTION DEPT.	ГО					
4. APPL	Y FOR A PLUMBING PERMIT FROM BUILDING INSPECTIONS OFFICE	- 					
5. APPL	Y FOR A WATER SERVICE PERMIT FROM DPU DEVELOPMENT OFFI	CE.					
ADAPTERS TUBE X 1 PREVENTIC WITH APP PLANS FC FOR ANY 7. CALL BACKFLOW	 6. INSTALL PIPING AND BACKFLOW PREVENTER, INCLUDING TEST COCKS ADAPTERS - (4) STRAIGHT HOSE ADAPTER FITTINGS, 1/4" S.A.E. 45° FLARE TUBE X 1/4" NPT, FOR CONNECTION TO TEST DEVICE. BACKFLOW PREVENTION DEVICES WILL BE INSTALLED OUTSIDE (OR INSIDE OF A BUILDING WITH APPROVAL OF THE CROSS CONNECTION CONTROL SPECIALIST). REFER TO PLANS FOR TYPICAL INSTALLATION DETAILS. NO TAP-INS WILL BE PERMITTED FOR ANY PURPOSE UPSTREAM OF THE BACKFLOW PREVENTION DEVICE. 7. CALL CROSS CONNECTION CONTROL SPECIALIST FOR INSPECTION OF THE BACKFLOW PREVENTER. INSPECTION AND APPROVAL IS REQUIRED BEFORE ANY METER WILL BE INSTALLED. [804-646-8544] 						
8. CALL PLUMBING INSPECTOR FOR INSPECTION OF ALL PIPING AND PLUMBING WORK DOWNSTREAM OF THE METER. CALL MECHANICAL INSPECTOR FOR INSPECTION OF ALL WORK DOWNSTREAM OF THE DETECTOR CHECK METER.							
DATE APR. 2006	TYPICAL	DWG. NO					
REVISIONS	INSTALLATION PROCEDURES						

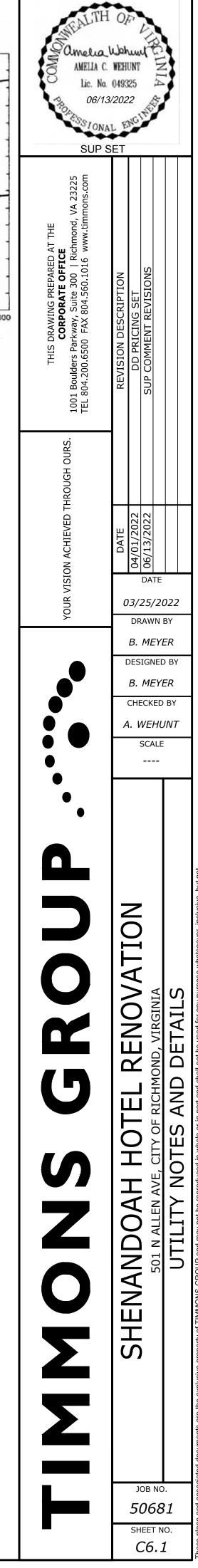
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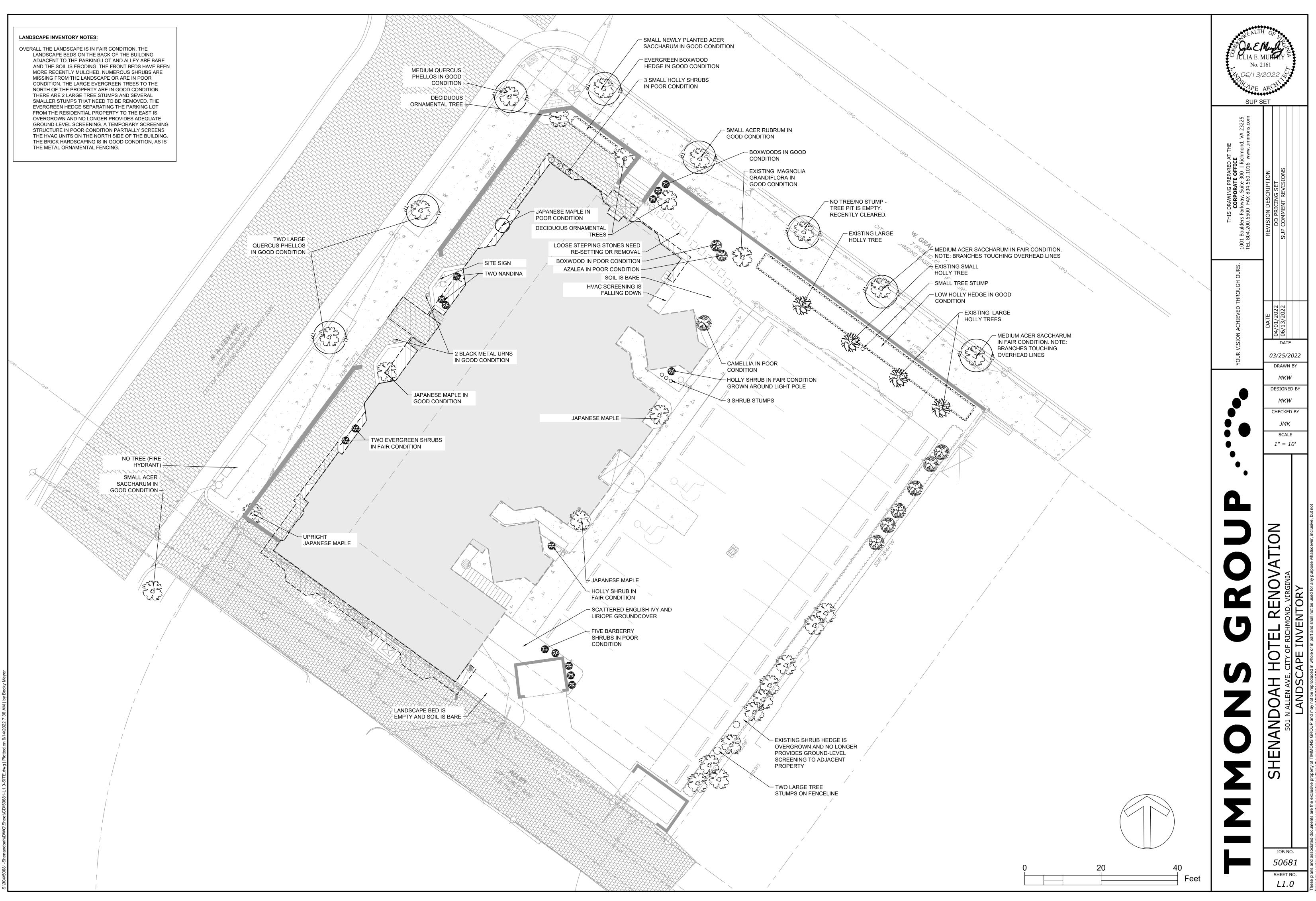
RICHMOND	City o	fR	lichmond	DF	PU Fixtur	e Values Meter Sizing		
	Project:		Shenandoah	H	otel Renova	ion		
Fixture	Fixture Value @ 35 psi		No. of Fixtures (set to zero if none)		Fixture Value	COMMENTS		
Bathtub	8	х	4	=	32			
Whirlpool	8	x	0	=	0			
Shower Head (shower only)	4	x	73	=	292			
Toilet-Flush Valve	35	x	0	=	0			
Toilet-Tank Type	3	x	80	=	240			
Wash Sink (ea. set of faucets)	4	x	2	=	8			
Kitchen Sink- 1/2" Connection	3	x	7	=	21			
Kitchen Sink- 3/4" Connection	7	x	0	=	0			
Dishwasher- 1/2" Connection	5	x	0	=	0			
Dishwasher- 3/4" Connection	10	x	1	=	10			
Washing Machine- 1/2" Conn	5	x	1	=	5			
Washing Machine- 3/4" Conn	12	x	0	=	0			
Washing Machine- 1" Conn	25	x	0	=	0			
Hose Bib- 1/2" Conn	6	x	2	=	12			
Hose Bib- 5/8" Conn	9	x	0	=	0			
Hose Bib- 3/4" Conn	12	x	0	=	0			
Lawn Sprinkler (per head)	1	x	0	=	0			
Ice Machine	8	x	1	=	8			
Water Wand	2	х	1	=	2			
Lavatory- 3/8" Connection	2	х	83	=	166			
Lavatory- 1/2" Connection	4	х	0	=	0			
Laundry Tray- 1/2" Connection	3	x	0	=	0			
Laundry Tray- 3/4" Connection	7	x	0	=	0			
Service Sink- 1/2" Connection	3	x	2	=	6			
Service Sink- 3/4" Connection	7	x	0	=	0			
Urinal- Pedestal Flush Valve	35	x	0	=	0			
Urinal- Wall Flush Valve	12	x	0	=	0			
Trough (2 ft. unit)	2	x	0	=	0			
	FIXTURE V	ALI	ie total (FVT)	_	802	112 gpm		
Meter Range(GPM) Maximum Continuous Low High Flow				Π	072	*NOTE: Other factors, such		
Low High Flow 5/8 1/8 20 10						as distance/length of		
1 3/8 50 25	Meter	Si	ze based		-	service or elevation, may		
1.5 5/8 100 50	0	n F	TVT	=	2	make it necessary to		
				. 1		utilize a larger meter than		
2 1 1/4 160 80 3 4.3 450 350						that which is indicated by		



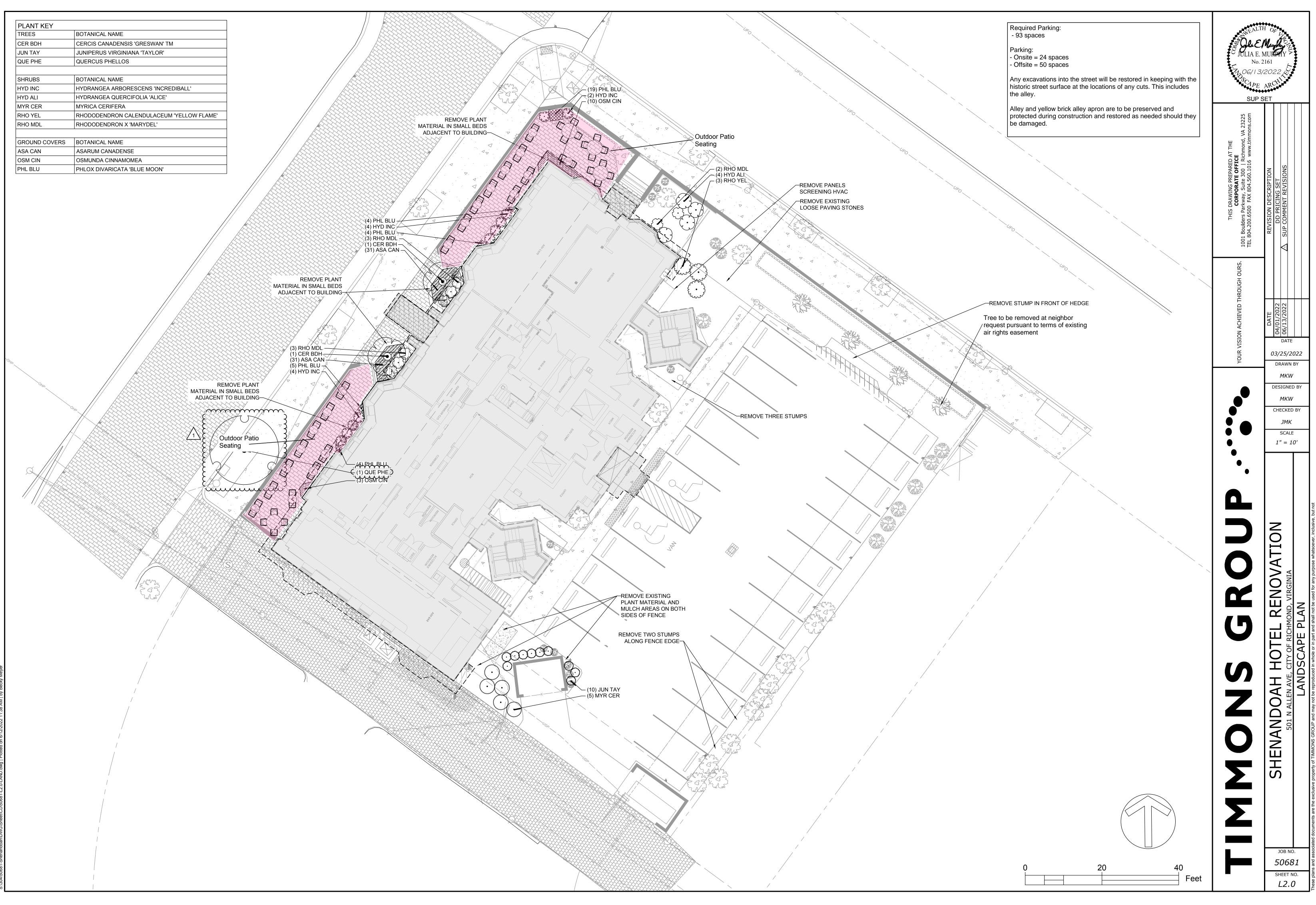








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TREES	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	
CER BDH	2	CERCIS CANADENSIS 'GRESWAN' TM	BURGUNDY HEARTS EASTERN REDBUD	2" CAL.	B&B OR CONTAINER	
JUN TAY	10	JUNIPERUS VIRGINIANA 'TAYLOR'	TAYLOR EASTERN REDCEDAR	7`-8` HT.	B&B OR CONTAINER	
QUE PHE	1	QUERCUS PHELLOS	WILLOW OAK	2" CAL.	B&B	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	SPACING
HYD INC	10	HYDRANGEA ARBORESCENS 'INCREDIBALL'	INCREDIBALL WHITE HYDRANGEA	24" HT./SPRD.	CONTAINER	33" o.c.
HYD ALI	4	HYDRANGEA QUERCIFOLIA 'ALICE'	ALICE OAKLEAF HYDRANGEA	24" HT./SPRD.	CONTAINER	48" o.c.
MYR CER	5	MYRICA CERIFERA	WAX MYRTLE	36" HT./SPRD.	CONTAINER	48" o.c.
RHO YEL	3	RHODODENDRON CALENDULACEUM 'YELLOW FLAME'	YELLOW FLAME AZALEA	24" HT./SPRD.	CONTAINER	54" o.c.
RHO MDL	8	RHODODENDRON X 'MARYDEL'	MARYDEL AZALEA	24" HT./SPRD.	CONTAINER	36" o.c.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	SPACING
ASA CAN	62	ASARUM CANADENSE	WILD GINGER	1 QT.	CONTAINER	12" o.c.
OSM CIN	13	OSMUNDA CINNAMOMEA	CINNAMON FERN	1 GAL.	CONTAINER	18" o.c.
	പപ്പുള്ള	VIBELEPORKORVANIENEE SMQANID SHALL BE VERIFIED	PREAT WOOH MOODERAND SHEDXIC	1 QT.	CONTAINER	9" o.c.

NOTE: ALL LANDSCAPE AREAS, INCLUDING AREAS RETAINING THEIR EXISTING PLANTINGS, TO BE FRESHLY MULCHED.

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GENERAL NOTES

PRE-CONSTRUCTION

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING KENTUCKY 811 AT 1.800.752.6007 FOR LOCATION OF ALL UTILITY LINES.TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS.
- VERIFY ALL PLANT MATERIAL QUANTITIES ON THE PLAN PRIOR TO BIDDING, PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND SHALL BE VERIFIED PRIOR TO BIDDING.
- PROVIDE PLANT MATERIALS OF QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY INDICATED ON PLANS. ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND **REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY** STOCK". IF SPECIFIED PLANT MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON AVAILABILITY TO THE LANDSCAPE ARCHITECT. TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
- PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS.
- SOIL TESTS SHALL BE PERFORMED TO DETERMINE SOIL CHARACTER AND QUALITY. NECESSARY SOIL AMENDMENTS SHALL BE PERFORMED PER TEST RESULTS TO ENSURE PLANT HEALTH.

CONSTRUCTION/INSTALLATION

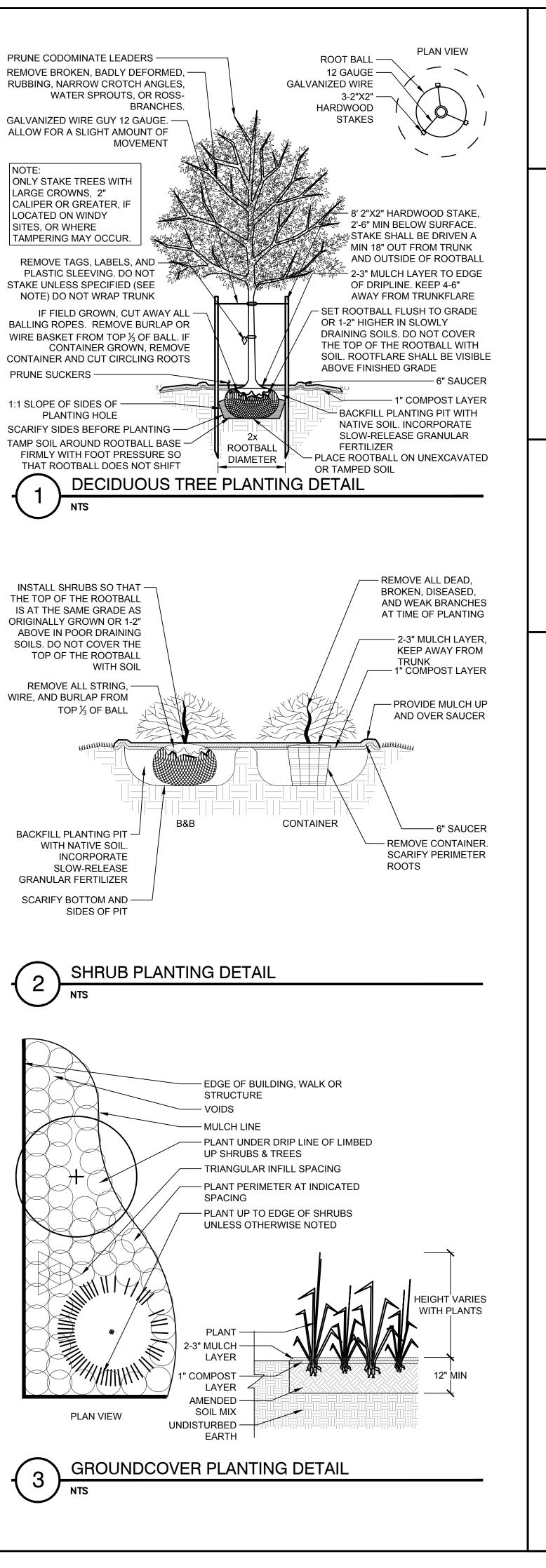
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT
- CONFORM TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK" LABEL AT LEAST ONE TREE AND ONE SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING
- THE DESIGNATION OF BOTANICAL AND COMMON NAME. INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO THAT MATERIALS WILL NOT
- INTERFERE WITH SIGHT DISTANCES. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE.

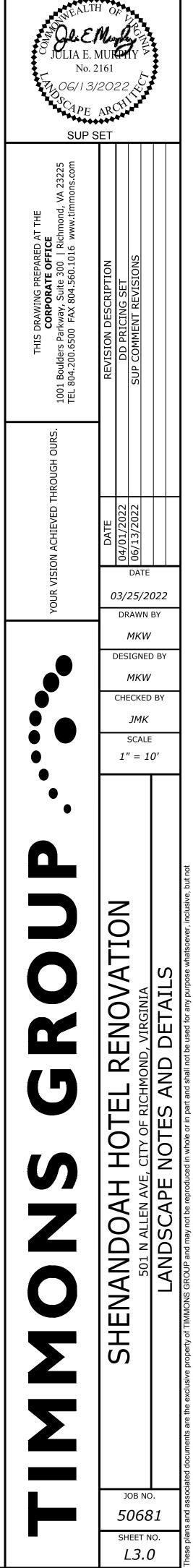
INSPECTIONS/GUARANTEE

- UPON COMPLETION OF LANDSCAPE INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY THE LANDSCAPE ARCHITECT.
- ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTORS CONTROL ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT OF THE PLANNING DEPARTMENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- REMOVE ALL GUY WIRES AND STAKES 12 MONTHS AFTER INSTALLATION.

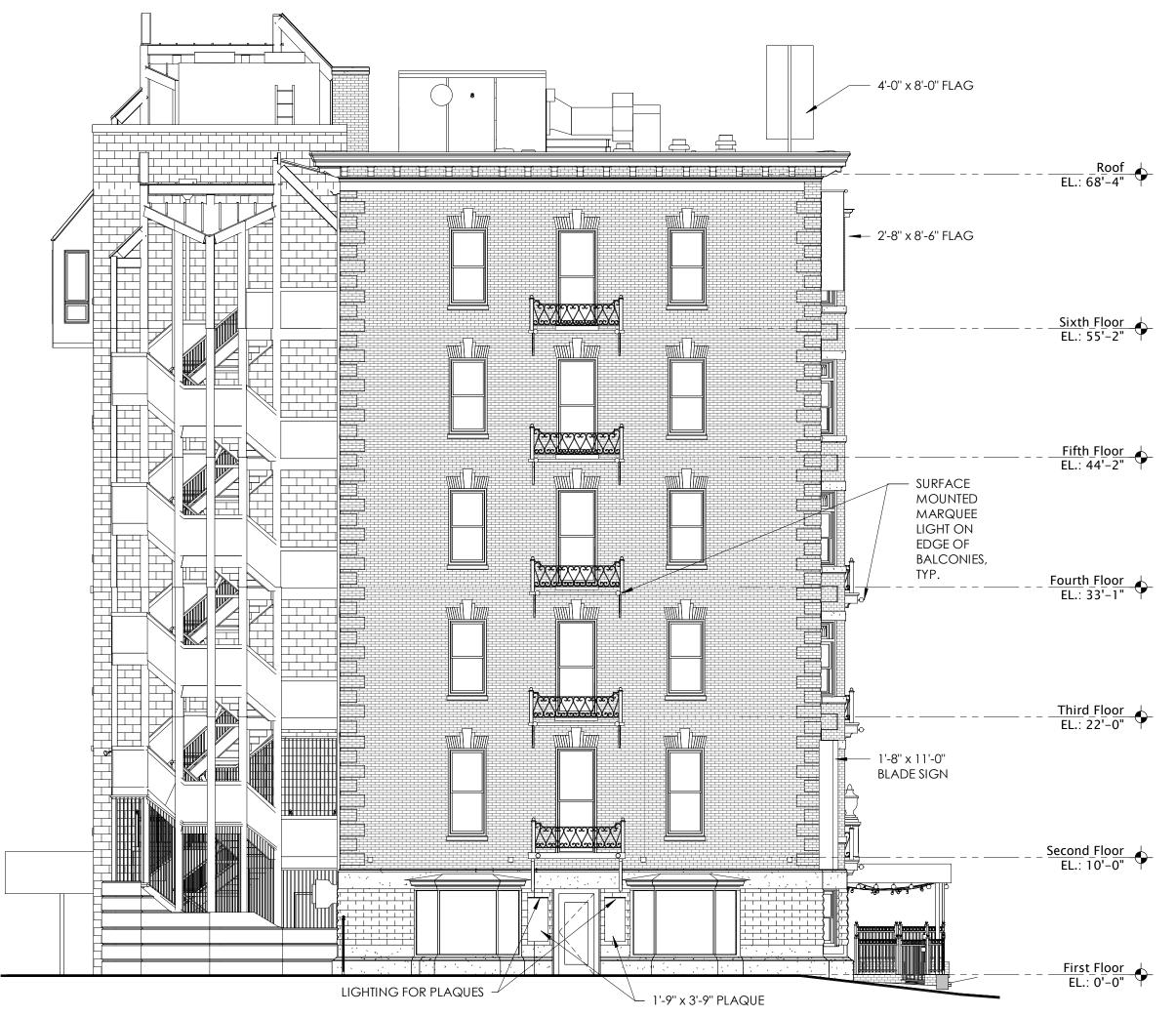
GENERAL NOTES AND DETAILS

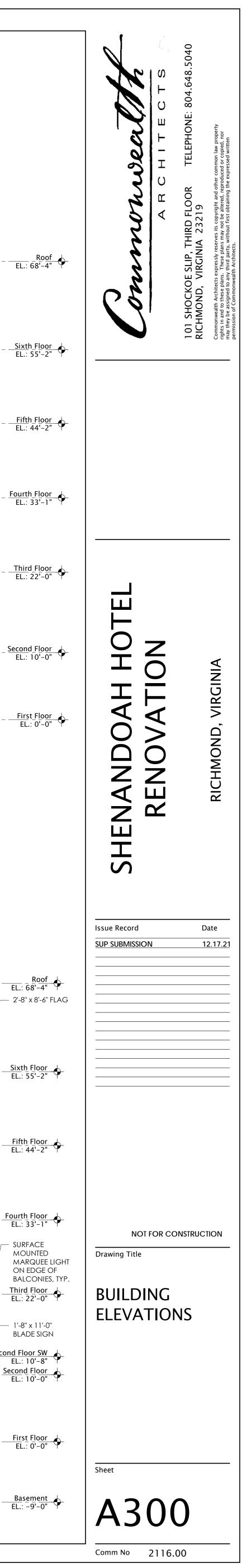








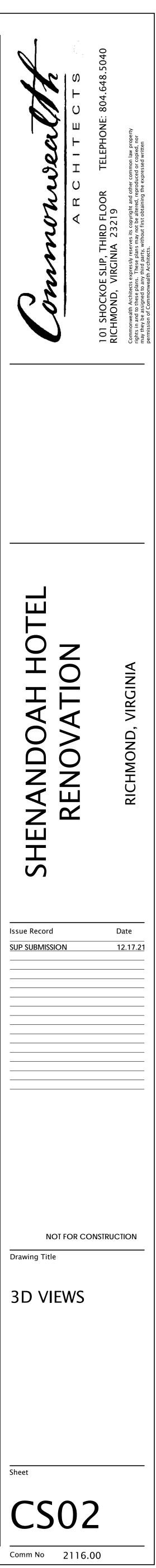




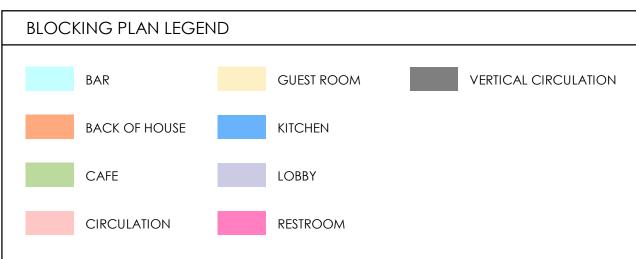






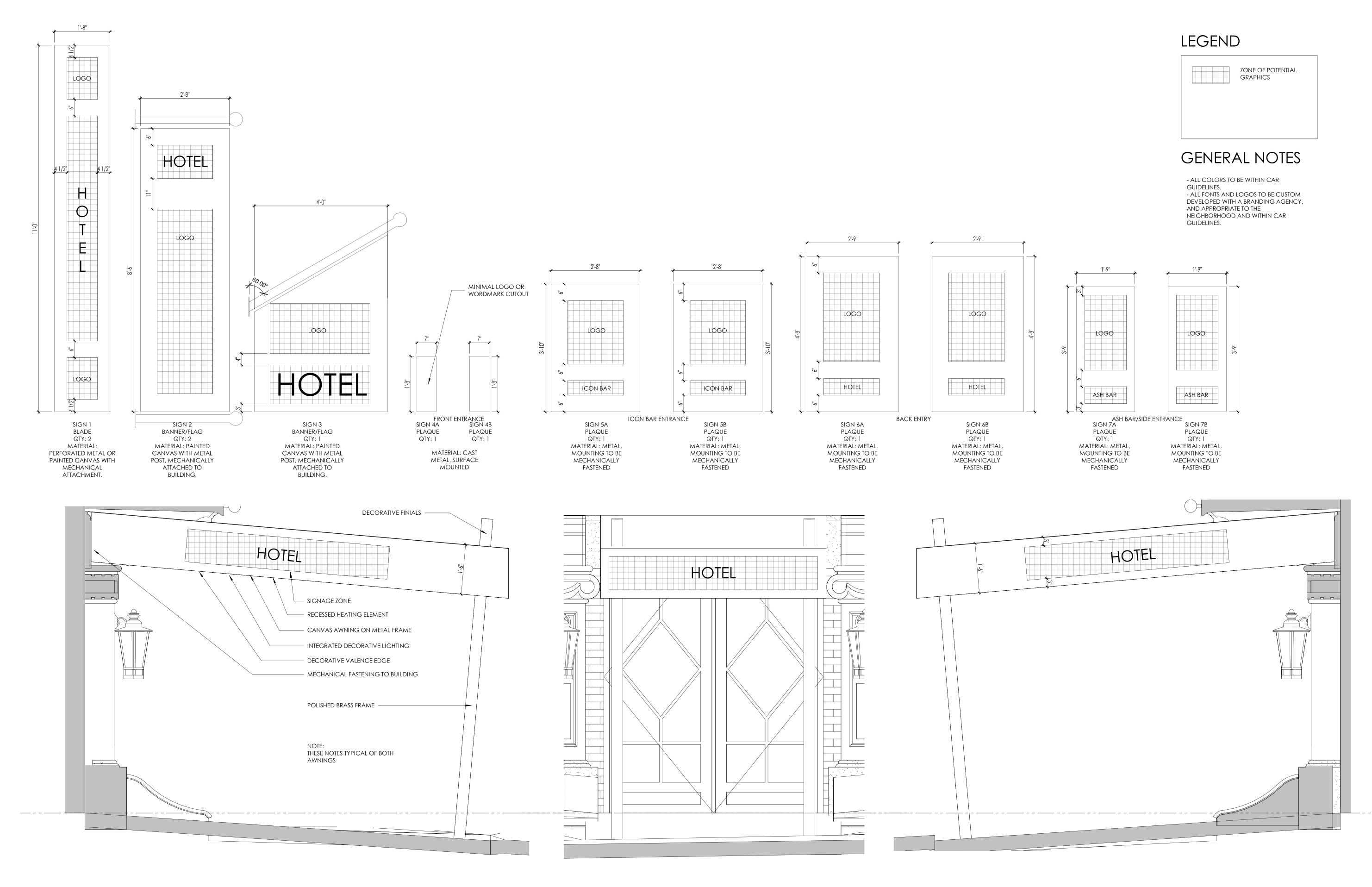




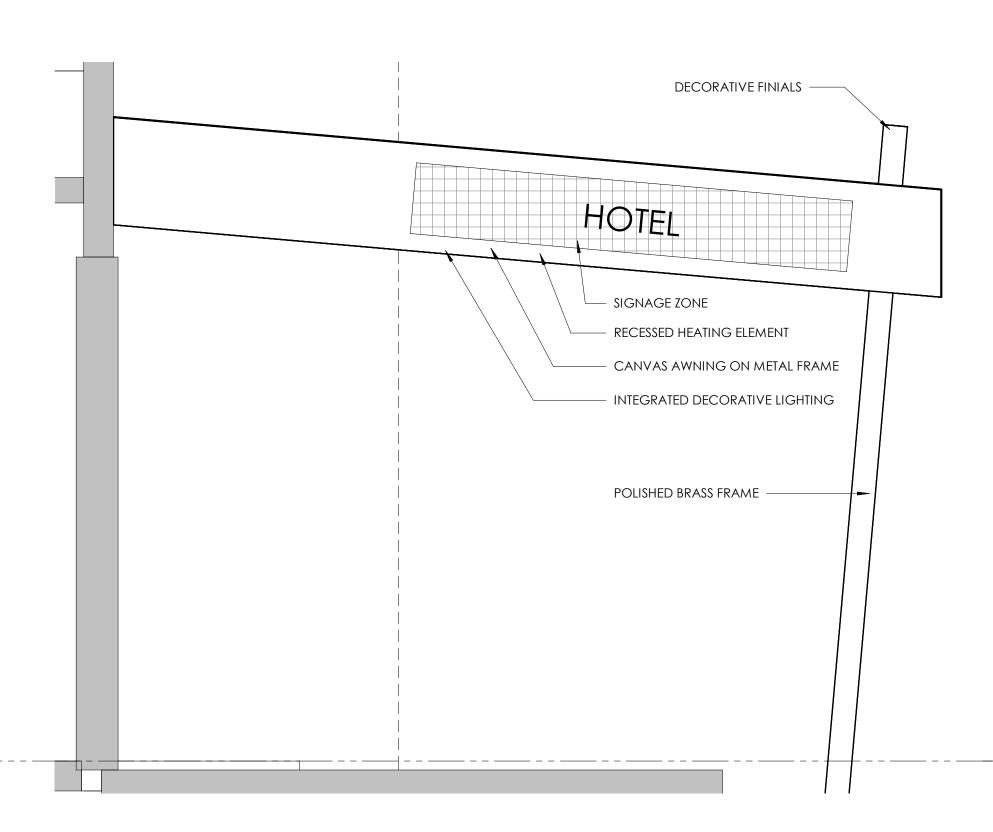




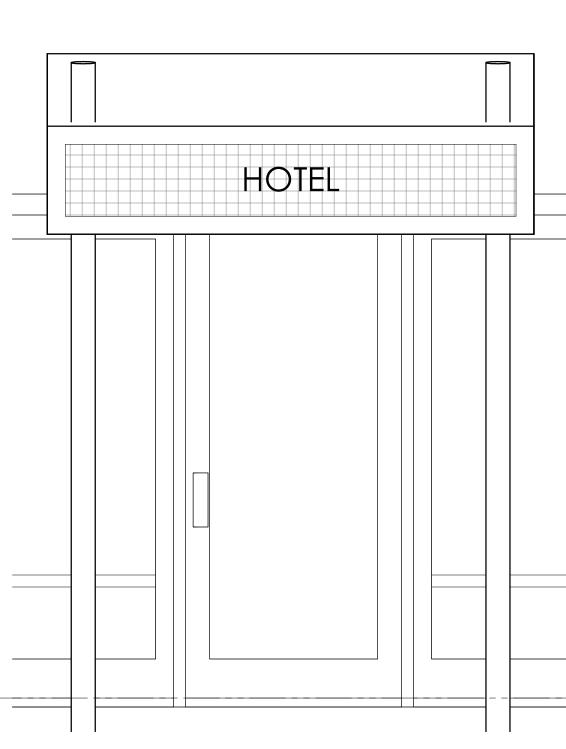




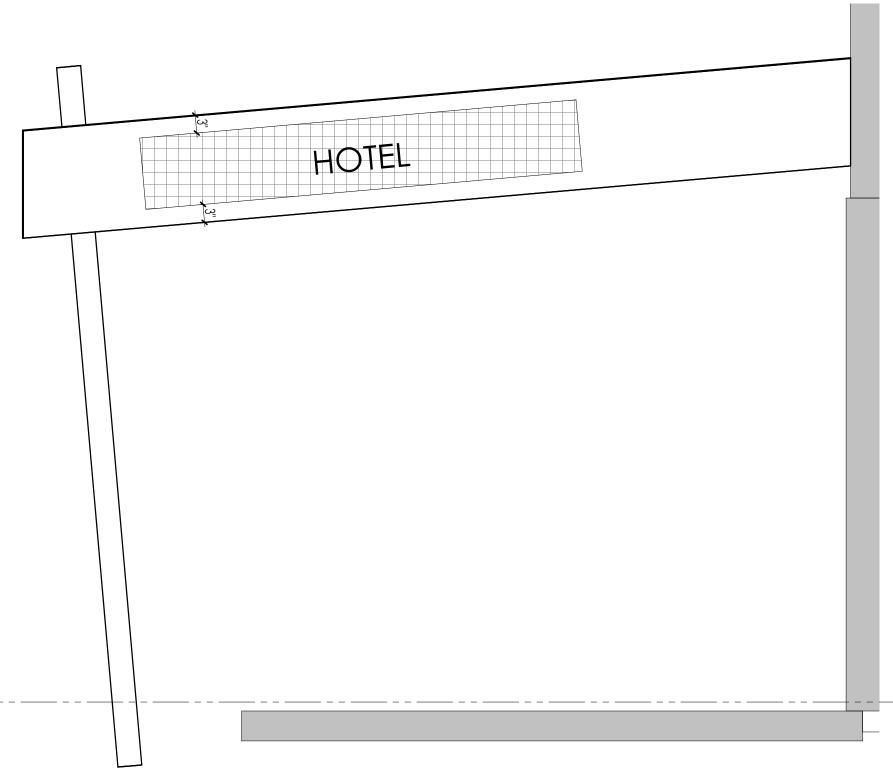
 $6 \frac{\text{FRONT AWNING - LEFT}}{3/4" = 1'-0"}$



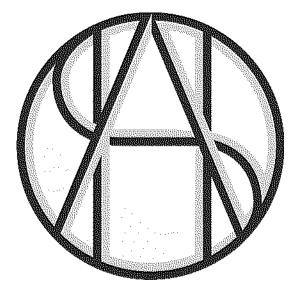
 $(5) \frac{\text{FRONT AWNING - FRONT}}{3/4" = 1'-0"}$



 $(4) \frac{\text{FRONT AWNING - RIGHT}}{3/4" = 1'-0"}$



 $1 \frac{\text{REAR AWNING - RIGHT}}{3/4" = 1'-0"}$



501 NORTH ALLEN AVENUE RICHMOND VIRGINIA 23220

ARCHITECT COMMONWEALTH ARCHITECTS 101 SHOCKOE SLIP 3RD FLOOR RICHMOND, VA 23219 804.648.5040

STRUCTURAL ENGINEER NAME ADDRESS 1 RICHMOND, VA 23220 ###.###.####

MEP ENGINEER NAME ADDRESS 1 RICHMOND, VA 23220 ###.###.####

CIVIL ENGINEER NAME ADDRESS 1 RICHMOND, VA 23220 ###.#####

FOOD SERVICE NAME ADDRESS 1 RICHMOND, VA 23220 ###.###.####



DATE	REV	ISSUANCE

Signage

SCALE: 3/4" = 1'-0"

DATE: 03/14/22

