

ZONING COMMISSION District of Columbia CASE NO.02-38J EXHIBIT NO.2M3



# andscape Exhibits

WATERFRONT STATION SECOND STAGE PUD APPLICATION 53

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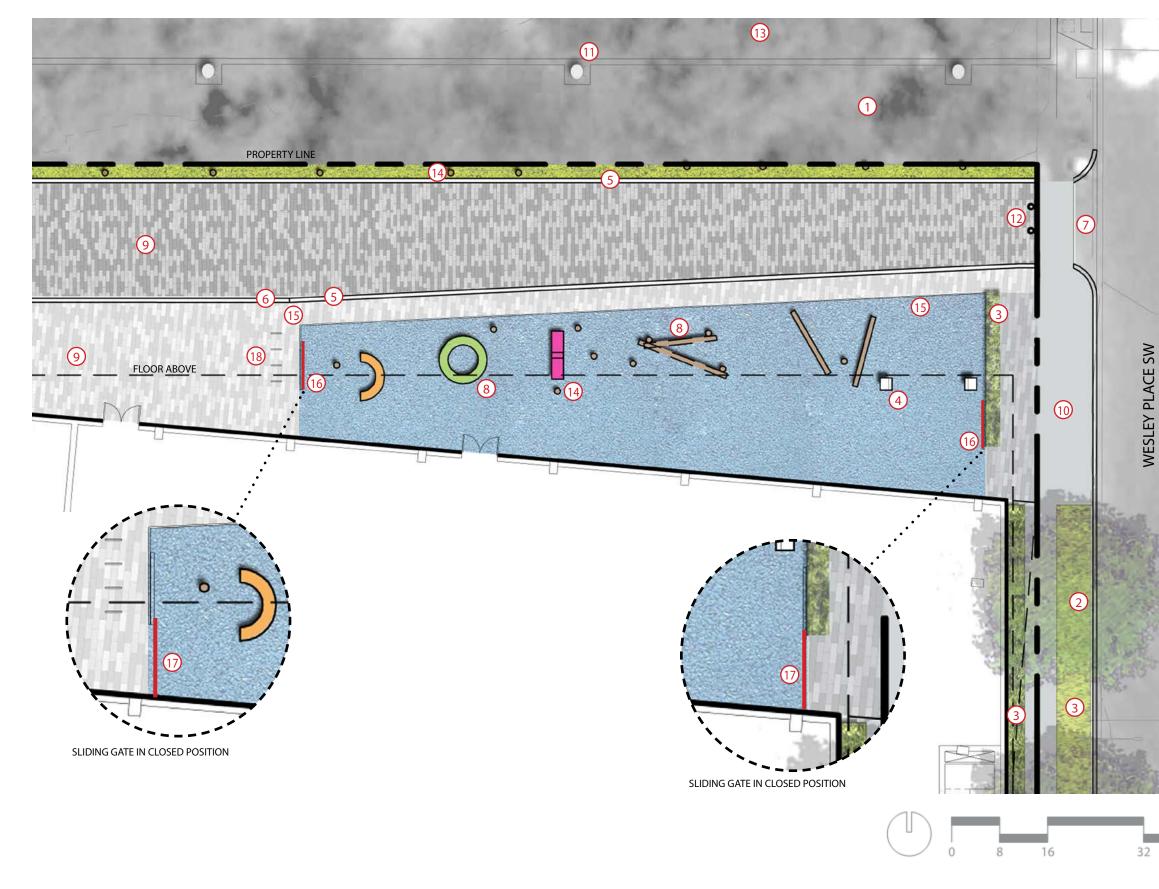




## Landscape Ground Floor Key Plan

WATERFRONT STATION SECOND STAGE PUD APPLICATION 55

## **Private Driveway Enlargement**

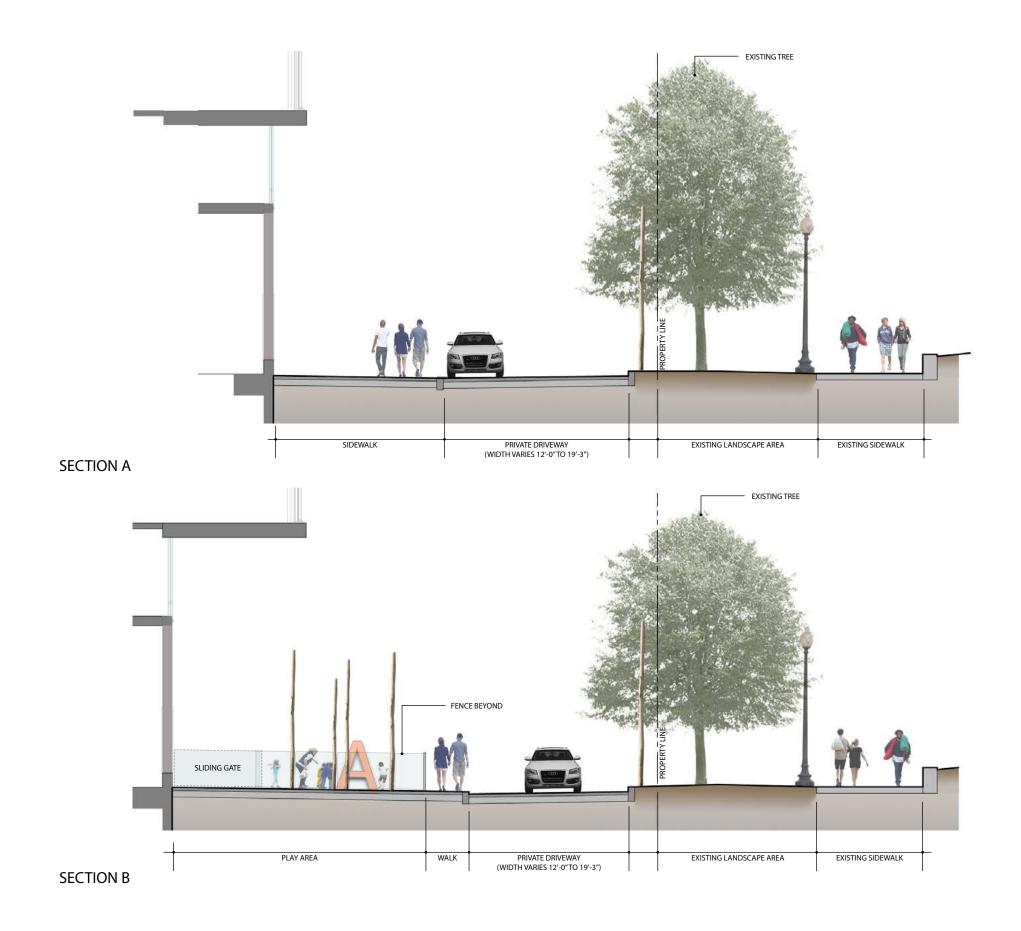


TORTI GALLAS URBAN

## LANDSCAPE ELEMENTS

- 1. EXISTING TREES (OUTSIDE PROPERTY LINE)
- 2. PROPOSED CANOPY TREE
- 3. PROPOSED PLANTING BED
- 4. BUILDING COLUMN
- 5. RAISED CURB
- 6. FLUSH CURB
- 7. EXISTING CURB CUT
- 8. CUSTOM PLAY ELEMENTS
- 9. PERMEABLE PAVERS
- 10. CIP CONCRETE WALK (DC STANDARD)
- 11. EXISTING POLE LIGHT
- 12. PROPOSED REMOVABLE BOLLARDS
- 13. EXISTING PATH
- 14. PROPOSED SCULPTURAL POLES
- 15. DECORATIVE 48" HT. FENCE
- 16. DECORATIVE 48" SLIDING GATE (SHOWN IN OPEN POSITION)
- 17. DECORATIVE 48" SLIDING GATE (SHOWN IN CLOSED POSITION)
- 18. PROPOSED BIKE RACKS

48



### WATERFRONT STATION SECOND STAGE PUD APPLICATION 57

**Private Driveway: Sections** 



# Private Driveway: Reference Images and Materials







BOLLARDS

SCULPTURAL POLES

CUSTOM PLAY ELEMENTS



PLANTING BED WITH CANOPY TREES

WILLOW OAK CANOPY TREE

PERMEABLE PAVERS









DECORATIVE FENCE AND SLIDING GATES



STONE CURB



## Landscape Second Floor Courtyard Key Plan

## ENLARGEMENT

A	PRIVATE DRIVEWAY
B	COURTYARD

LANDSCAPE ELEMENTS

- 1. EXISTING TREE PIT
- 2. PROPOSED CANOPY TREE
- 3. PROPOSED PLANTING BED
- 4. TRANSFORMER GRATES
- 5. RAISED CURB
- 6. FLUSH CURB
- 7. EXISTING CURB CUT
- 8. EXISTING SPECIAL PAVING STRIP
- 9. PERMEABLE PAVERS
- 10. CIP CONCRETE WALK (DC STANDARD)
- 11. EXISTING POLE LIGHT
- 12. PROPOSED REMOVABLE BOLLARDS
- 13. EXISTING PATH
- 14. PROPOSED SCULPTURAL POLES

# Courtyard Enlargement







## LANDSCAPE ELEMENTS

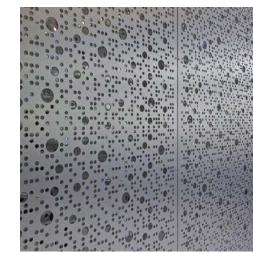
- 1. SHADE TREE Cladrastis kentukea or similar
- 2. ORNAMENTAL TREE Magnolia virginiana or similar
- 3. RAISED PLANTER W/ SHRUBS
- 4. GROUNDCOVER PLANTING
- 5. PERENNIAL PLANTING
- 6. PRIVACY SCREEN
- 7. CAFE TABLES & CHAIRS
- 8. CUSTOM WOOD BENCH
- 9. WATER FEATURE
- 10. SCULPTURAL SCREEN
- 11. PRECAST CONCRETE PAVERS
- 12. STONE PAVERS
- 13. RIVER ROCK MAINTENANCE STRIP
- 14. 18-24" STEEL RETAINING WALL







STONE PAVERS



SCULPTURAL SCREEN



SCULPTURAL SCREEN DETAIL

PRIVACY SCREEN



STEEL RETAINING WALLS



WATER FEATURE AND SCUPPER DETAIL





YELLOWWOOD TREE (top), CAREX GROUNDCOVER MIXED WITH ALLIUM



SWEETBAY MAGNOLIA

## Courtyard: Materials and Plantings

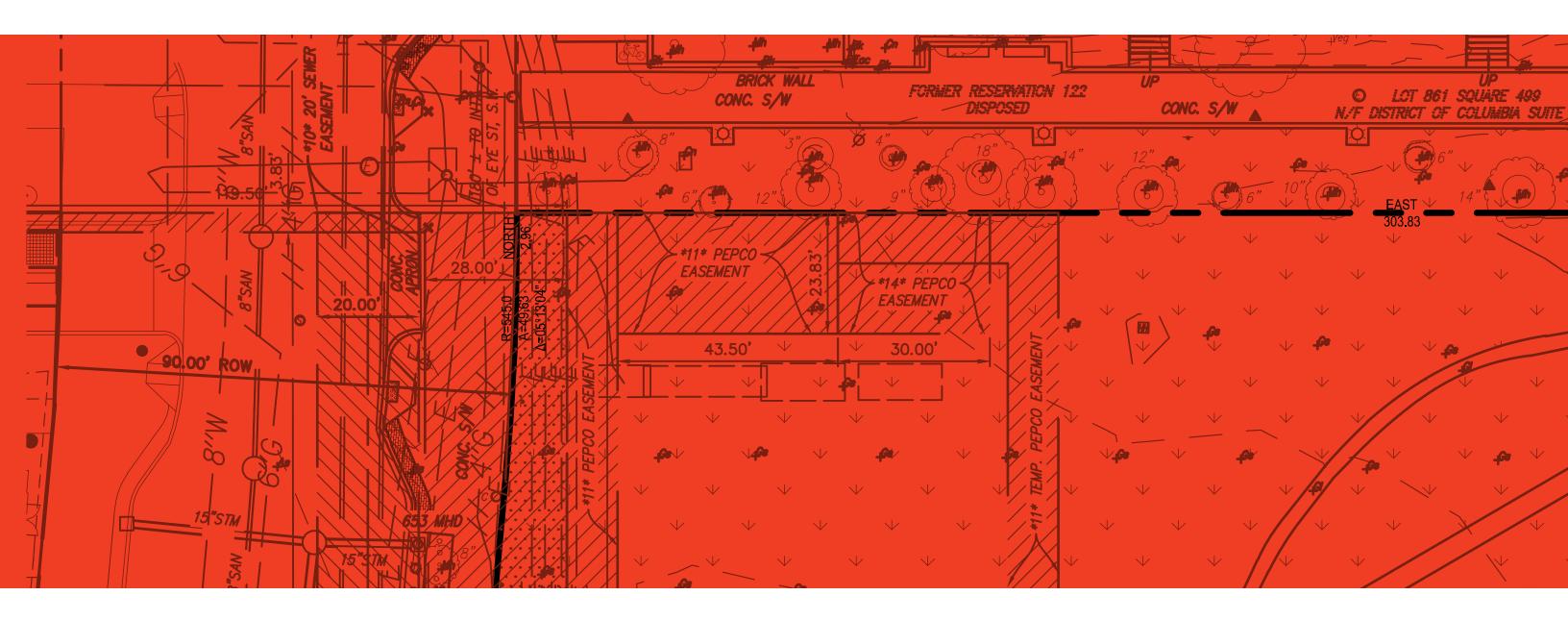




CAFE TABLES AND CHAIRS



CLIMBING HYDRANGEA, SWEETBOX, and FOAM FLOWER (top to bottom)

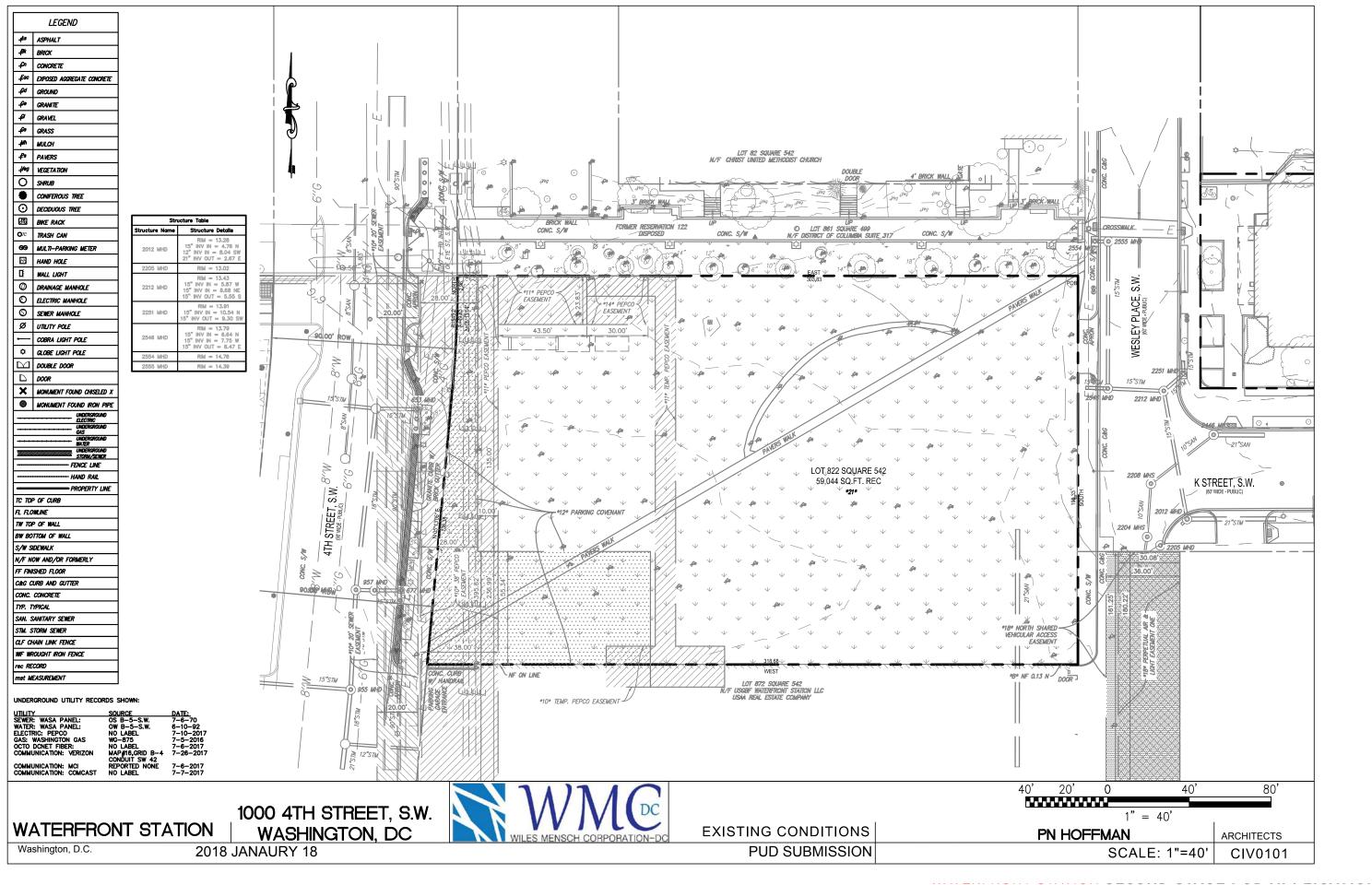


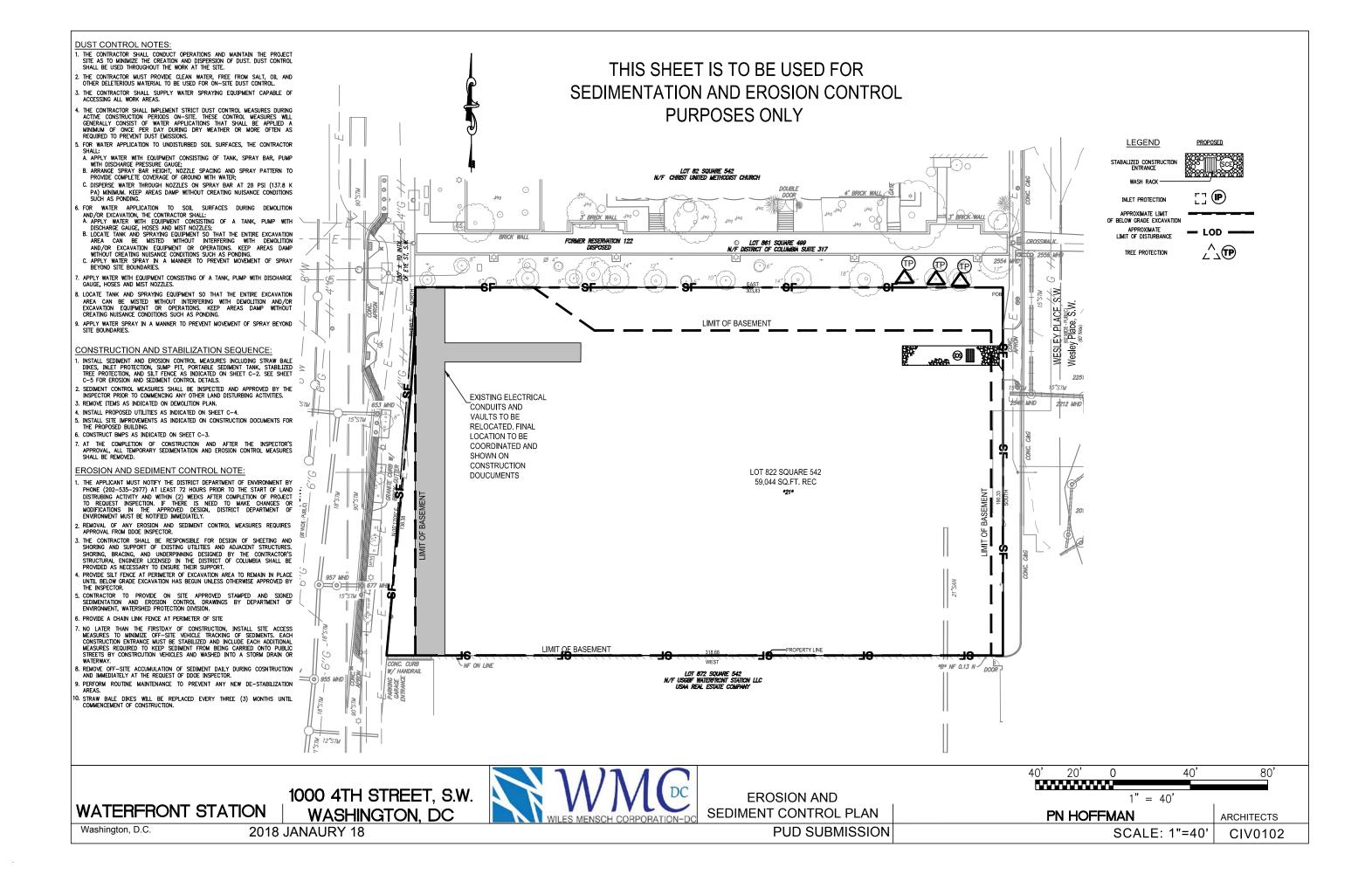


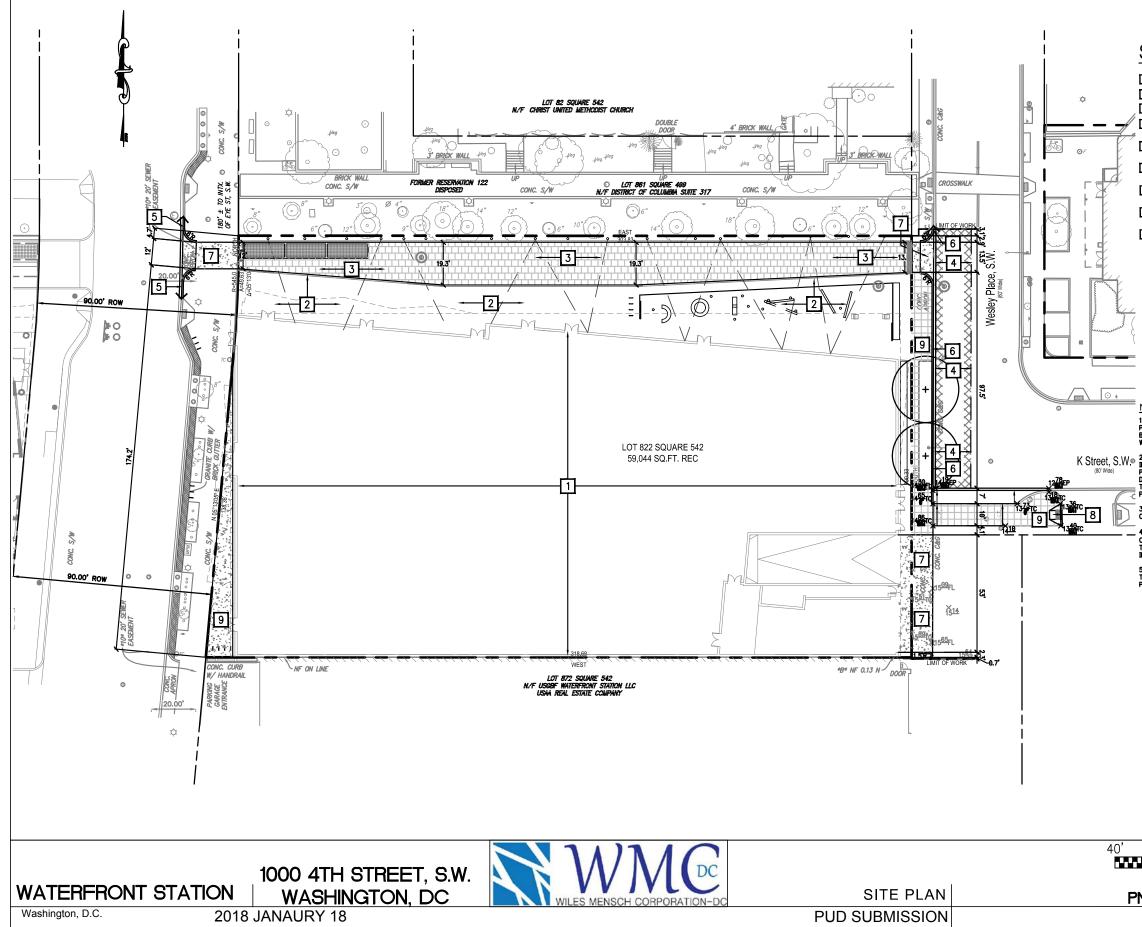


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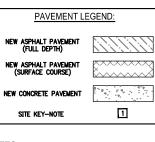






## SITE KEYNOTES:

- 1 NEW BUILDING. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- 2 NEW HARDSCAPE. REFER TO LANDSCAPE DRAWINGS FOR DETAILS.
- 3 NEW PAVERS. REFER TO LANDSCAPE DRAWINGS FOR DETAILS.
- REW SURFACE COURSE ASPHALT PAVEMENT PER DDOT STANDARDS AND SPECIFICATIONS. REFER TO SHEET CIVIII06 FOR DETAILS.
- 5 NEW GRANITE CURB WITH BRICK GUTTER PER DDOT STANDARDS AND SPECIFICATIONS. REFER TO SHEET CIV0106 FOR DETAILS.
- 6 NEW CONCRETE CURB AND CONCRETE GUTTER PER DDOT STANDARDS AND SPECIFICATIONS. REFER TO SHEET CIV0106 FOR DETAILS.
- 7 NEW CONCRETE APRON AND DRIVEWAY PER DDOT STANDARDS AND SPECIFICATIONS. REFER
- 8 NEW HANDICAP RAMP PER DDOT STANDARDS AND SPECIFICATIONS. REFER TO SHEET CIV0106 FOR DETAILS.
- 9 NEW CONCRETE SIDEWALK PER DDOT STANDARDS AND SPECIFICATIONS. REFER TO SHEET CIV0106 FOR DETAILS.



## NOTES:

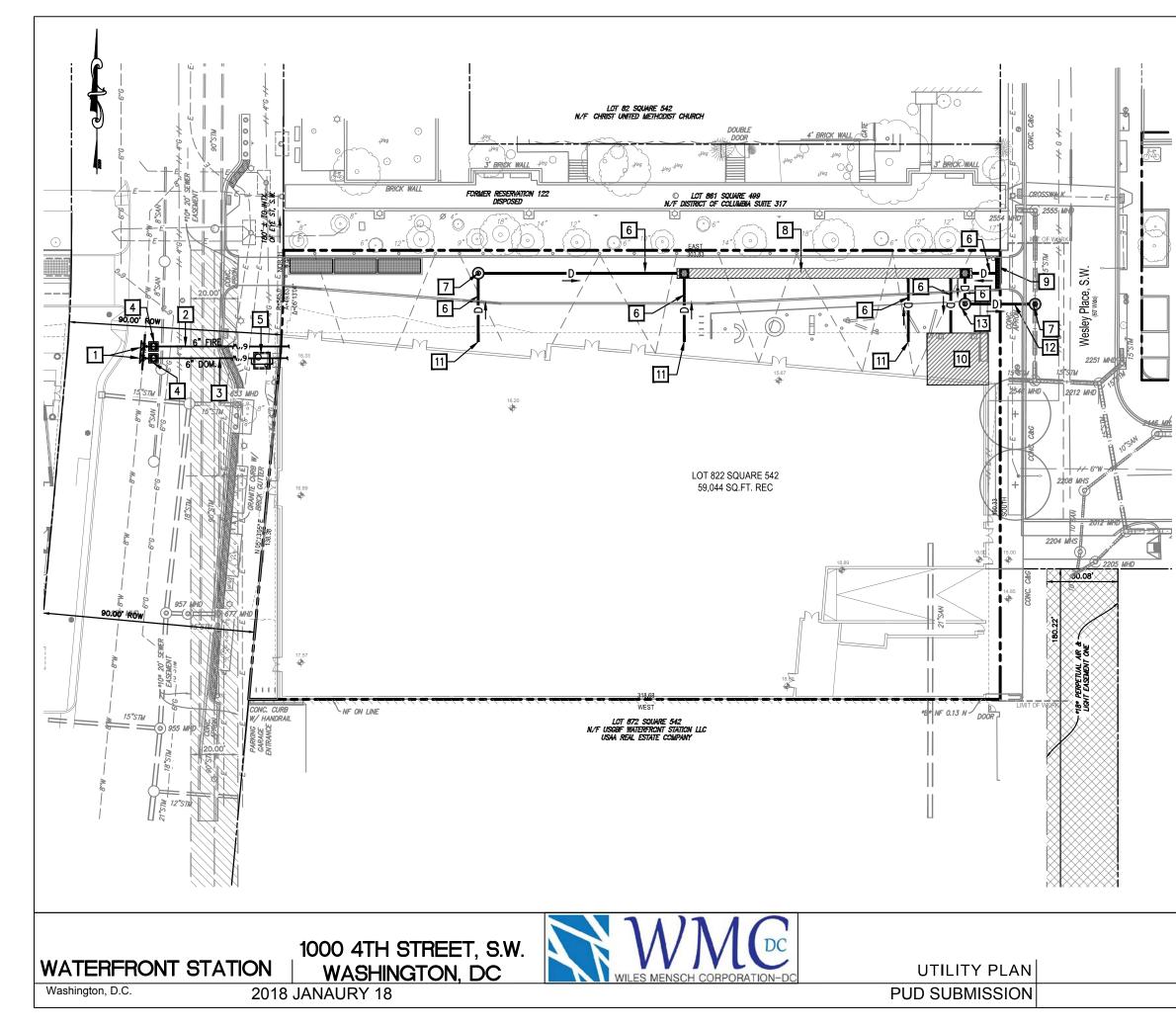
1. STREETSCAPE DETAILS ARE SHOWN IN CONCEPT FOR ILLUSTRATIVE PURPOSES. THE FINAL DETAILS OF THE STREETSCAPE IMPROVEMENTS WILL BE SELECTED DURING DETAILED DESIGN PHASES OF WORK AND CONFORM WITH APPLICABLE DESIGN AND PERMITTING STANDARDS.

K Street, S.W. (80° Wide) (80° Wide) (80° Wide) K Street, S.W. (80° Wide) (80° Wide)

3. INTERIOR LAYOUTS ARE ILLUSTRATIVE ONLY AND SUBJECT TO CHANGE ON FINAL PLAN.

4. DC/DDOT MAY REQUIRE NEW ASPHALT SURFACE COURSE TO CENTERLINE OF THE STREET PER DC/DDOT INSPECTOR RECOMMENDATIONS. CONTRACTOR TO COORDINATE LIMITS OF NEW ASPHALT SURFACE COURSE WITH INSPECTOR.

5. ALL NEW DEVELOPMENT AND CONSTRUCTION ON ADJACENT PROPERTIES TO BE COMPLETED BY OTHERS AND IS NOT CONSIDERED PART OF THE PROJECT.

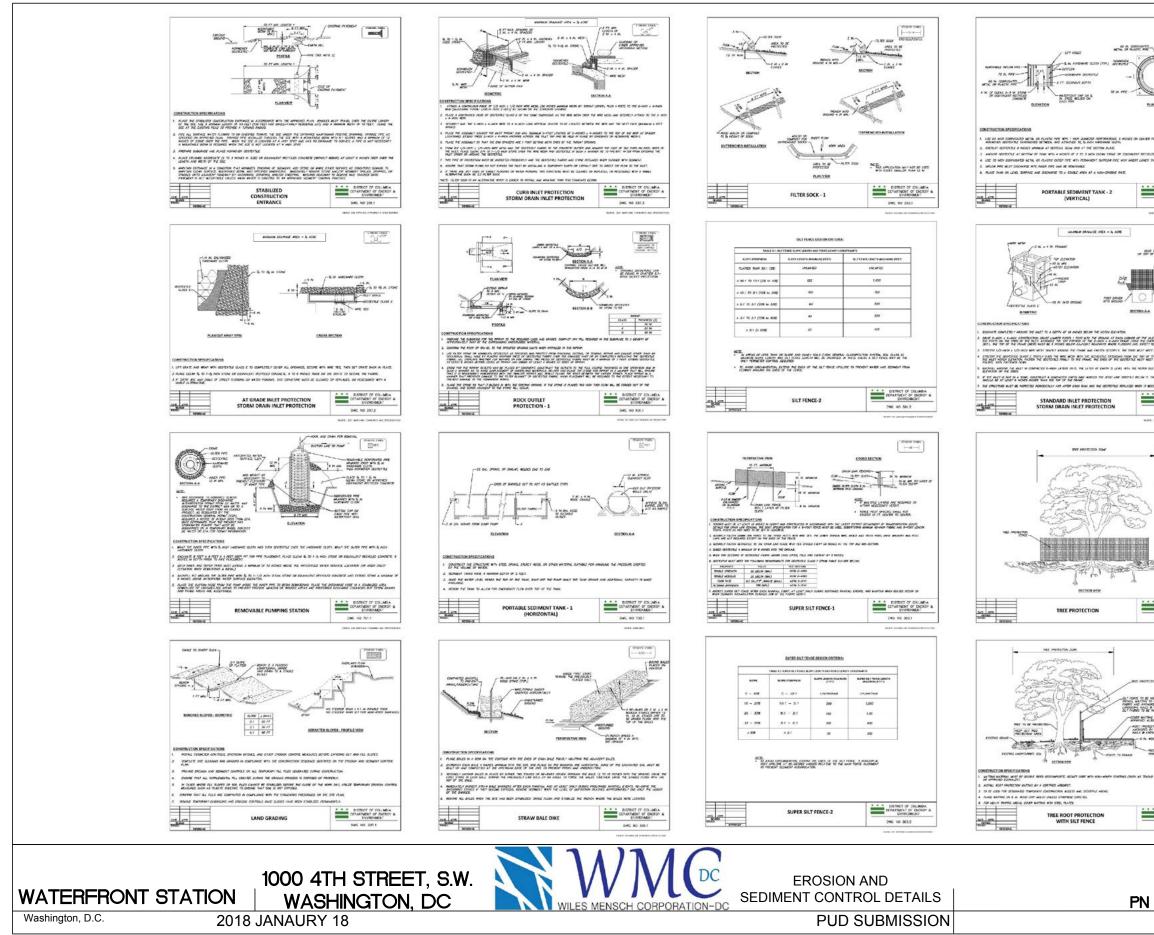


<u>GENE/INCTED:</u>
ALL INFRASTRUCTURE AND DETAILS ARE SHOWN IN CONCEPT FOR ILLUSTRATIVE
PURPOSES. THE FINAL DESIGN, LAYOUT, LOCATION AND DETAILS OF THE UTILITY
IMPROVEMENTS WILL BE SELECTED DURING DETAILED DESIGN PHASES OF WORK
AND CONFORM WITH APPLICABLE DESIGN AND PERMITTING STANDARDS.

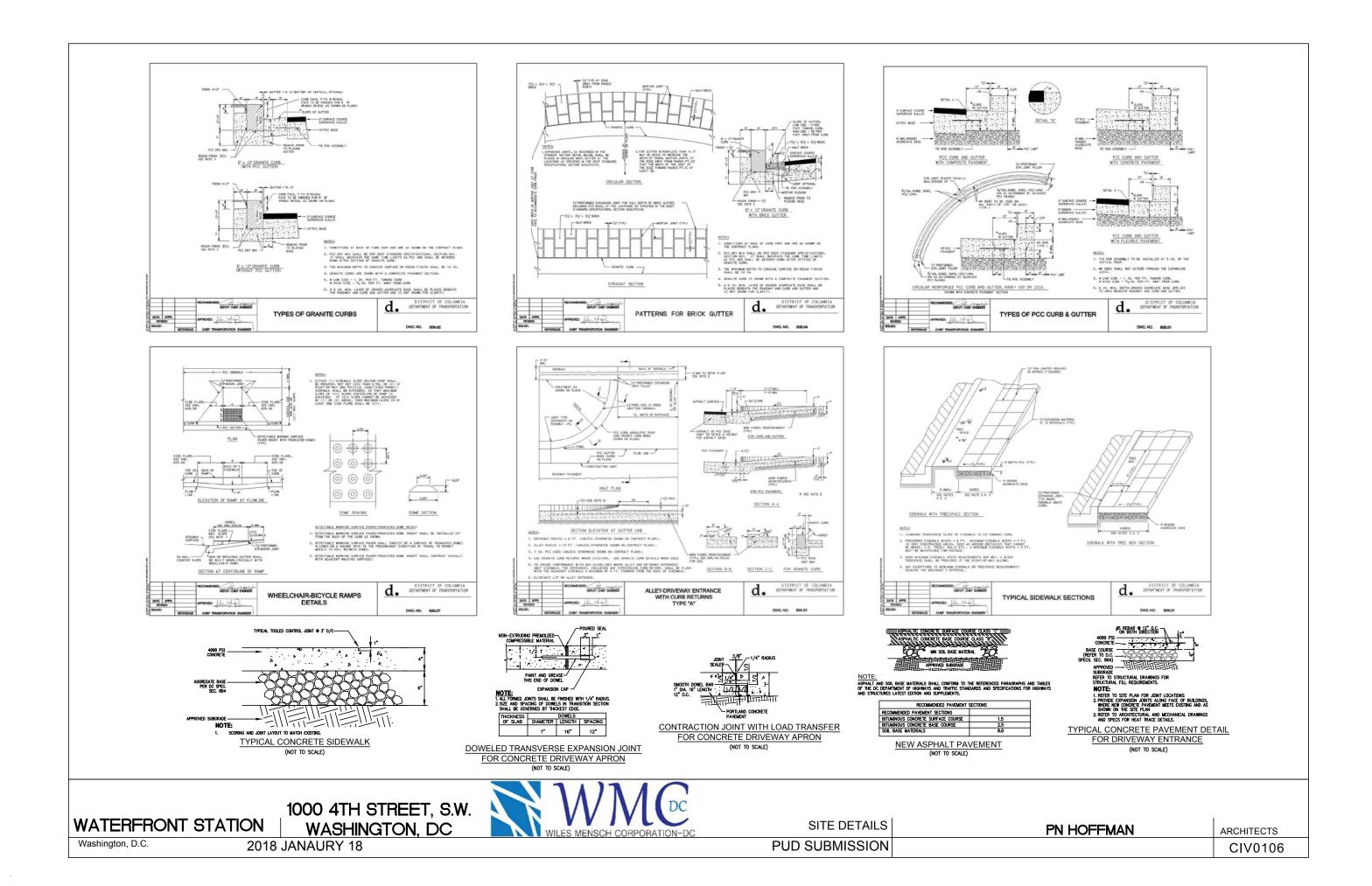
UTILITY KEYNOTES:

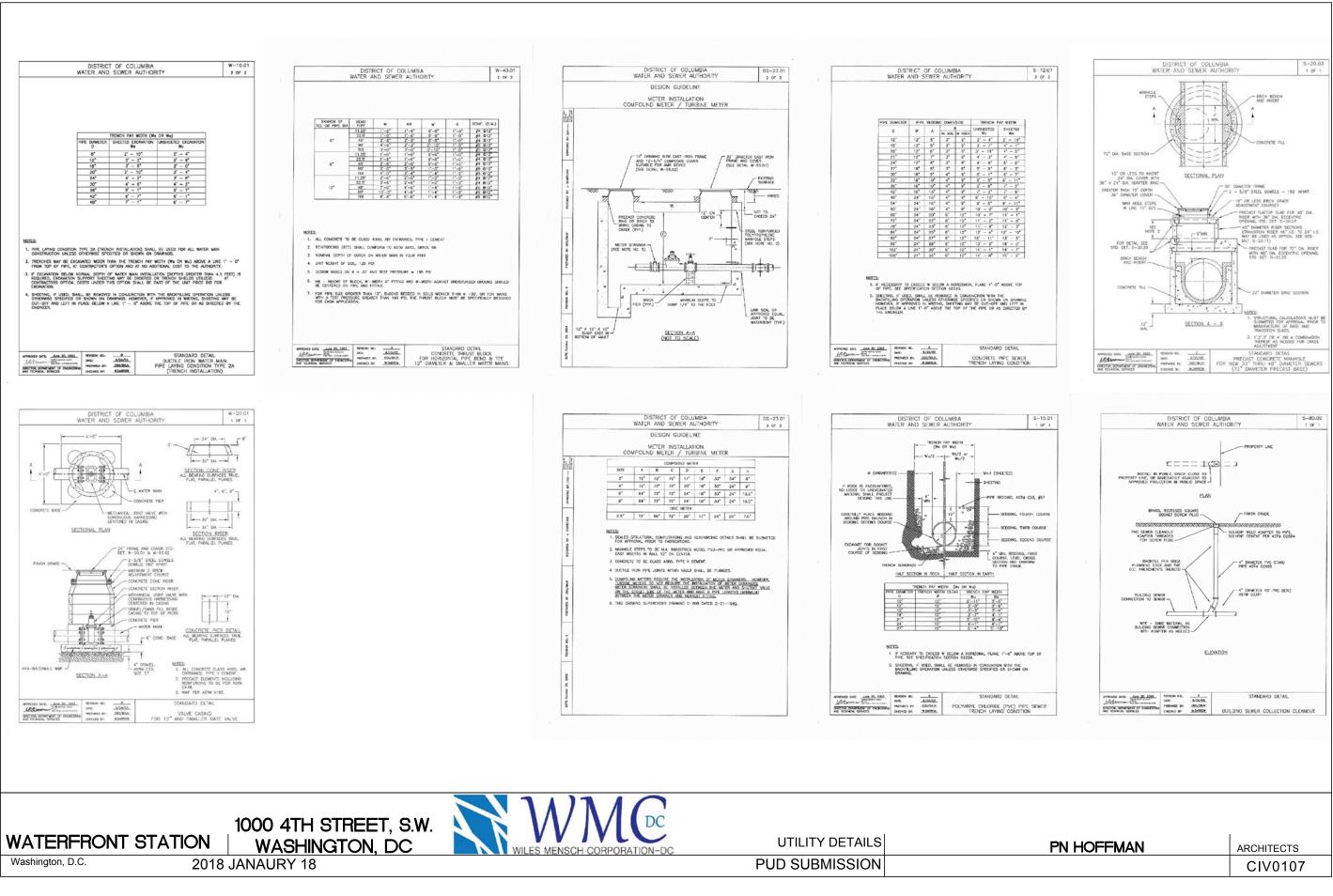
- NEW 8" x 6" TEE WITH THRUST BLOCK PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER DETAIL W-40.01 ON SHEET CIV0107 FOR DETAILS.
- 2 NEW 6" DIP FIRE SERVICE PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER DETAIL W-10.01 ON SHEET CIVO107 FOR TRENCHING DETAILS.
- 3 NEW 6" DIP DOMESTIC WATERLINE PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER DETAIL W-10.01 ON SHEET CIV0107.
- NEW 6" WATER VALVE PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER DETAIL W-20.01 ON SHEET CIV0107.
- 5 NEW 6" WATER METER PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER DETAIL DG-23.01 on sheet civo107.
- 6 NEW PVC SCH 40 STORM SEWER PIPE, PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER DETAIL S-12.01 ON SHEET CIV0107.
- $\fboxscience{1.5}$  New 4.0' diameter PCC manhole, PER DC/WATER STANDARDS and SPECIFICATIONS. REFER TO DETAILS S-20.11 and S-20.03 on sheet civo107.
- 8 NEW HDPE STORAGE PIPE "CISTERN" FOR RAINWATER HARVESTING.
- 9 NEW TRENCH DRAIN.
- 10 NEW RAIN HARVESTING PUMP & FILTRATION ROOM.
- 11 NEW STORM RISER CONNECTION.
- 12 NEW EMERGENCY OVERFLOW CONNECTION TO PUBLIC STORM SEWER MAIN.
- 13 NEW STORMFILTER MANHOLE FOR WATER QUALITY TREATMENT.

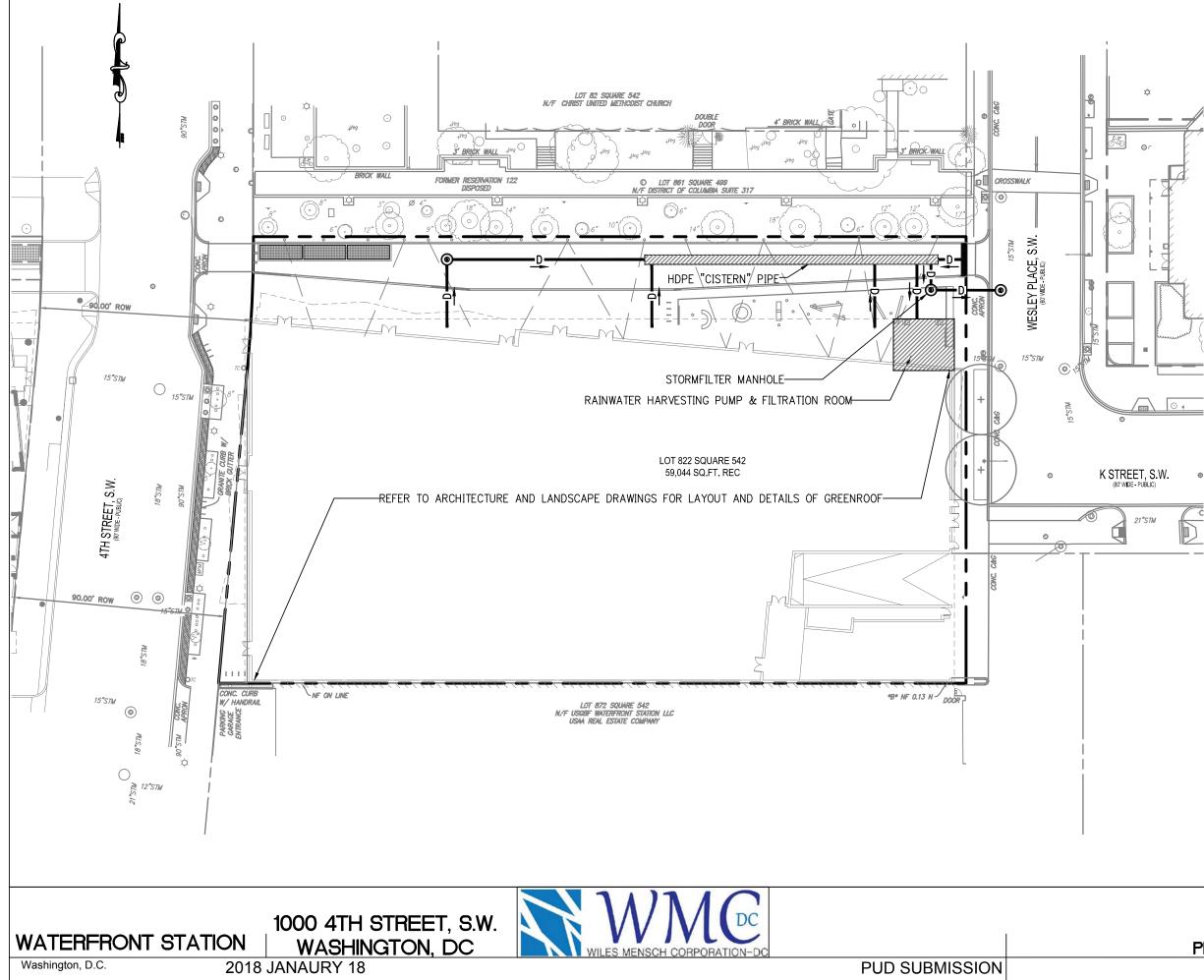
40' 20' 0 40'	80'							
1" = 40'								
PN HOFFMAN	ARCHITECTS							
SCALE: 1"=40'	CIV0104							



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## PROPOSED STORMWATER MANAGEMENT NARRATIVE:

THE PROPOSED PROJECT CONSISTS OF A MAJOR LAND-DISTURBING ACTIVITY FOR CONSTURCTION OF THE NEW MIDED-USE BUILDING AND IS CLASSIFIED AS AN ANACOSTIA WATERFRONT DEVELOPMENT ZONE (AWDZ) SITE. THE APPROXIMATELY'S 59,044 SF OF LAND DISTURBANCE WILL COMPLY WITH THE AWDZ SITE 1.7" WATER QUALITY TREATMENT VOLUME (WOTY) REQUIREMENT. COMPLANCE WILL BE MET BY RETAINING 1.2" OF THE 1.7" RAINFALL EVENT, FOR A TOTAL (APPROXIMATE-) DOES STORMWATER RETENTION VOLUME REQUIREMENT OF 5,609 CF / 41,956 GALLONS, AND PROVIDING ADDITIONAL MEANS OF WATER QUALITY TREATMENT FOR THE REMAINING 0.5" OF THE 1.7" RAINFALL EVENT. EVENT

DOEE STORMWATER MANAGEMENT COMPLIANCE WILL BE ACHIEVED THROUGH THE USE OF VARYING MEDIA DEPTH GREEN ROOF AREAS LOCATED THROUGHOUT THE VARIOUS ROOF LEVELS OF THE STE AND VIA AN EXTERNAL HOPE PIPE "CISTERN", WHICH WILL STORE CAPTURED RAINWATER FOR HARVESTING AND REUSE WITHIN THE NEW BUILDING. THE ADDITIONAL WOTV WILL BE PROVIDED VIA A STORMFILTER MANHOLE.

COMPLIANCE WITH THE STORMWATER MANAGEMENT REQUIREMENT FOR THE PUBLIC RIGHT-OF-WAY WILL UTILIZE THE MAXIMUM EXTENT PRACTICABLE DOCUMENTATION METHODOLOGY.

THE DESIGNER, INSTALLER AND DOEE INSPECTOR MUST HAVE A PRE-CONSTRUCTION MEETING TO ENSURE ALL PARTIES ARE AWARE OF DESIGN INTENTIONS AND WILL CONFORM TO ORIGINAL DESIGN.

ALL AREA AND VOLUME QUANTITIES NOTED ABOVE ARE CONCEPTUAL AND SHOWN FOR CONCEPT FOR ILLUSTRATIVE PURPOSES ONLY. FINAL TYPE, SIZE, AND LOCATION MAY VARY DEPENDENT ON FINAL DESIGN ANALYSIS AND ABILITY TO CONFORM TO REGULATORY AGENCIES REQUIREMENTS

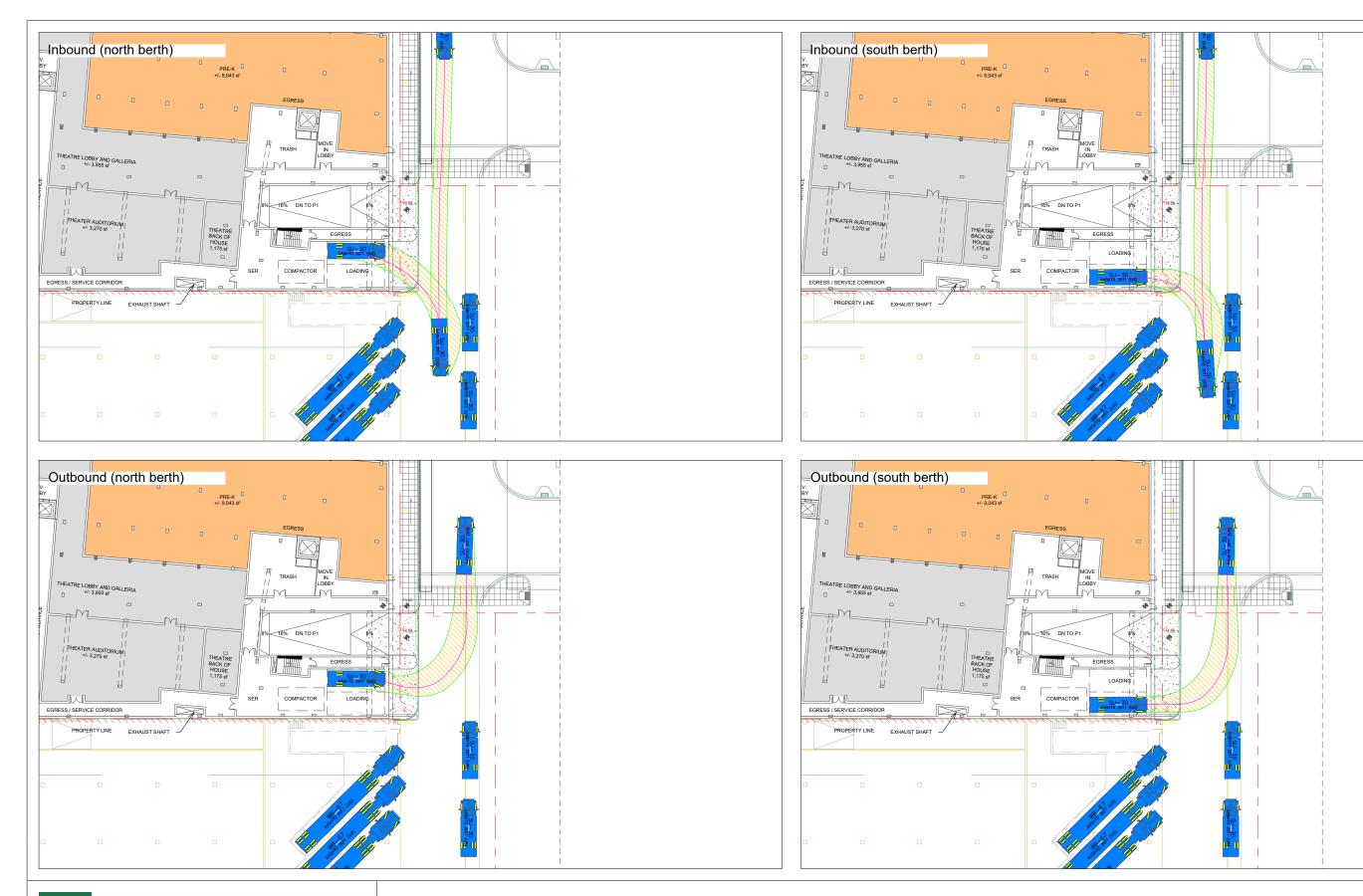
1. ALL STORWATER MANAGEMENT BMPS ARE SHOWN IN CONCEPT FOR ILLUSTRATIVE PURPOSES. FINAL TYPE, SIZE, AND LOCATION MAY VARY DEPENDENT ON FINAL DESIGN ANALYSIS AND ABILITY TO CONFORM TO REGULATORY AGENCIES REQUIREMENTS.

2. GREENROOF DETAIL IS PER TYPICAL STORMWATER GUIDEBOOK MINIMUM REQUIREMENTS. ACTUAL DESIGN SHALL BE BASED ON SPECIFIC SITE CONDITIONS APPLICABLE DESIGN REQUIREMENTS.

NOTES:

PN HOFFMAN

ARCHITECTS



## **1000 4th Street:** AutoTURN (Design Vehicle - AASHTO SU-30)

PN Hoffman 04.18.2018

Transportation Planners and Engineers

GOROVE / SLADE

Washington, DC



P:\2136-012 Waterfront Station - 1000 4th St\CAD\1000 4th Street AutoTURN 4.18.2018.dwg - 4/18/2018 11:35 AM

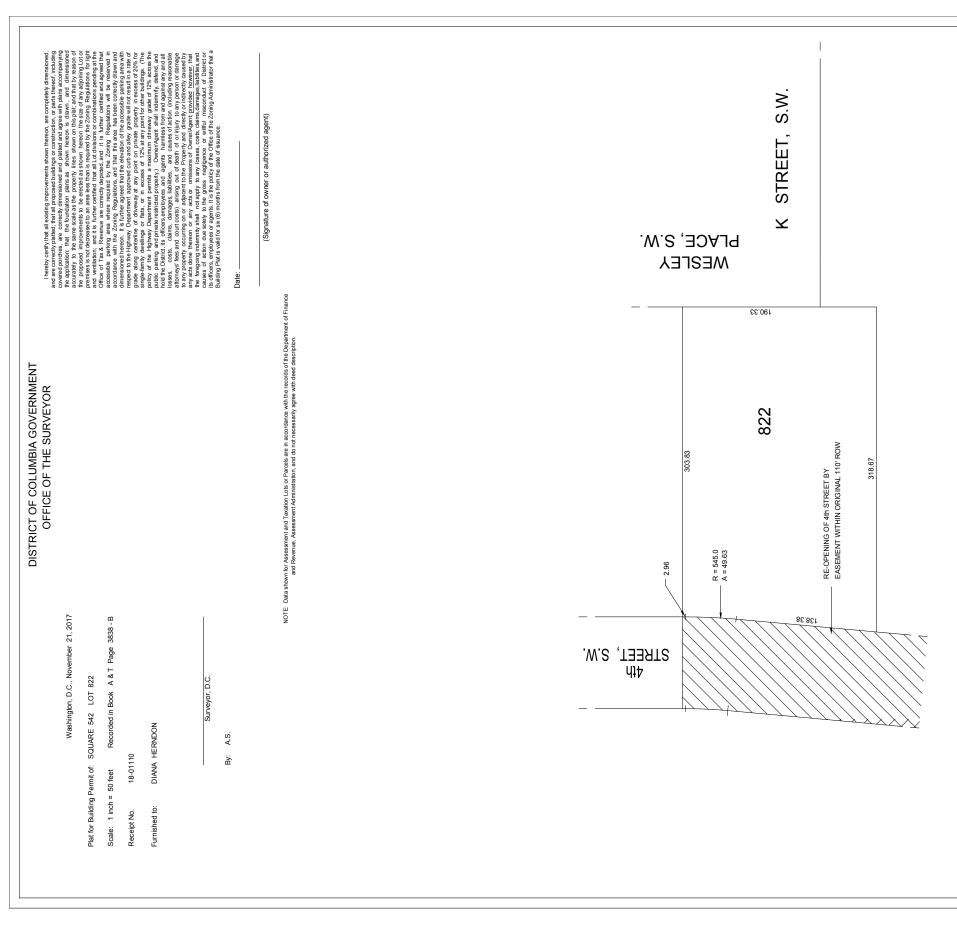
# Green Area Ratio Scoresheet | LEED Scoresheet

							io Scoreshee Zone District	
			54	12		822	MU-9 *	
	Other		Lot area (sf)	Minimum Score		Multiplier	GAR Score	
	Lot size (enter	r this value first) *	59,044	.2		SCORE:	0.39	
	Landscape Elements			Square Feet	Factor		То	
Α	Landscaped areas (select one of the fol	lowing for each	area)					
1	Landscaped areas with a soil depth < 2	4"		square feet	0.30		-	
				square feet				
2	Landscaped areas with a soil depth $\geq$ 2	4		1,375 square feet	0.60		825.	
3	Bioretention facilities				0.40		-	
в	Plantings (credit for plants in landscape	ed areas from S	ection A)			Native Bonus		
1	Groundcovers, or other plants < 2' hei	ght		square feet 1,132	0.20	square feet 1,132	226.	
h	Plants ≥ 2' height at maturity		# of plants	 1	0.20	# of plants	72	
2	- calculated at 9-sf per plant		27	243	0.30	27	72.	
3	New trees with less than 40-foot cano	oy spread	# of trees	0	0.50	# of trees	-	
	- calculated at 50 sq ft per tree	, ,	L	4		I		
4	New trees with 40-foot or greater can	opy spread	# of trees	500	0.60	# of trees	300.	
	- calculated at 250 sq ft per tree			-				
5	Preservation of existing tree 6" to 12"	DBH	# of trees	0	0.70	# of trees	-	
	- calculated at 250 sq ft per tree		# of trees			# 06 \$2000		
6	Preservation of existing tree 12" to 18"	' DBH	# of trees	0	0.70	# of trees		
	- calculated at 600 sq ft per tree		4			# of troop		
7	Preservation of existing trees 18" to 24	1" DBH	# of trees	0	0.70	# of trees		
	- calculated at 1300 sq ft per tree		# of trees			# 06 \$2000		
8	Preservation of existing trees 24" DBH - calculated at 2000 sq ft per tree	or greater	# of trees	0	0.80	# of trees		
				square feet		square feet		
9	Vegetated wall, plantings on a vertical	surface		0	0.60		-	
с	Vegetated or "green" roofs							
1	Over at least 2" and less than 8" of gro	wth medium		square feet 21,871	0.60	square feet	13,122	
2	Over at least 8" of growth medium			square feet	0.00	square feet	2 071	
Z	-			3,839	0.80		3,071.	
D	Permeable Paving***			square feet				
1	Permeable paving over 6" to 24" of soi	l or grave		9,225	0.40		3,689.	
2	Permeable paving over at least 24" of	soil or gravel		square feet	0.50		-	
-		0		LI				
E	Other			square feet				
1	Enhanced tree growth systems***			square feet	0.40			
2	Renewable energy generation			3,500	0.50		1,750	
3	Approved water features			square feet	0.20			
F	Bonuses		sub-total of sq ft =	41,685				
1	Native plant species			square feet 1,875	0.10		187.	
				square feet				
2	Landscaping in food cultivation			square feet	0.10		-	
3	Harvested stormwater irrigation				0.10		-	
* Perme	eable paving and structural soil together may not quali	fy for more than one	third of the Green A	Green Area Ratio n rea Ratio score.	imerator =		23,24	

	ED 2009 for New Construction and oject Checklist **	Major Renovations				Pro	oject Name Date
	stainable Sites F	ossible Points: 26			rials and Resources, Continued		
Y ? N	Construction Activity Dellution Decomption			N	De suele d Carstant		
	Construction Activity Pollution Prevention	<u>,</u>	2	Credit 4	2		1 to 2
1 Cre		1	2	Credit 5			1 to 2
5 Cre		:y 5 1	1		· · · · · · · · · · · · · · · · · · ·		1 1
1 Cre 4 2 Cre	it 3 Brownfield Redevelopment it 4.1 Alternative Transportation—Public Transportatio		1	Credit			1
	it 4.2 Alternative Transportation—Fublic Transportatio		11 4	Indo	or Environmental Quality	Possible Points:	15
	it 4.3 Alternative Transportation—Dicycle Storage and		11 4			Pussible Pullits.	15
	it 4.4 Alternative Transportation—Low-Limiting and Tu	2	Y	Prereg	Minimum Indoor Air Quality Performance		
1 Cre		1	Y	Prereq	- ,		
	it 5.2 Site Development—Maximize Open Space	1	1	Credit 1			1
	it 6.1 Stormwater Design—Quantity Control	1	1		, 5		1
	it 6.2 Stormwater Design-Quality Control	1	1		.1 Construction IAQ Management Plan—During C	onstruction	1
1 Cre	5 4 ,	1	1		.2 Construction IAQ Management Plan—Before (		1
	it 7.2 Heat Island Effect—Roof	1	1		.1 Low-Emitting Materials—Adhesives and Seala		1
	it 8 Light Pollution Reduction	1	1		.2 Low-Emitting Materials—Paints and Coatings		1
	- <b></b>		1		.3 Low-Emitting Materials—Flooring Systems		1
6 4 W	ater Efficiency	ossible Points: 10	1	Credit 4		d Agrifiber Products	1
	,		1	Credit 5		•	1
Y Pre	eq 1 Water Use Reduction-20% Reduction		1	Credit 6	.1 Controllability of Systems—Lighting		1
4 Cre	it 1 Water Efficient Landscaping	2 to 4	1	Credit 6	.2 Controllability of Systems-Thermal Comfort		1
2 Cre	it 2 Innovative Wastewater Technologies	2	1	Credit 7	1 Thermal Comfort–Design		1
2 2 Cre	it 3 Water Use Reduction	2 to 4	1	Credit 7	<sup>2</sup> Thermal Comfort–Verification		1
			1	Credit 8	.1 Daylight and Views—Daylight		1
14 21 <mark>Er</mark>	ergy and Atmosphere	ossible Points: 35	1	Credit 8	.2 Daylight and Views—Views		1
Y Pre	Fundamental Commissioning of Building Energy S	ystems	3 3	Inno	vation and Design Process	Possible Points:	6
Y Pre	eq 2 Minimum Energy Performance						
Y Pre	eq 3 Fundamental Refrigerant Management		1	Credit 1	.1 Innovation in Design: Specific Title		1
6 13 Cre	it 1 Optimize Energy Performance	1 to 19	1	Credit 1	.2 Innovation in Design: Specific Title		1
1 6 Cre	it 2 On-Site Renewable Energy	1 to 7	1	Credit 1	.3 Innovation in Design: Specific Title		1
2 Cre	it 3 Enhanced Commissioning	2	1	Credit 1	.4 Innovation in Design: Specific Title		1
2 Cre	it 4 Enhanced Refrigerant Management	2	1	Credit 1	.5 Innovation in Design: Specific Title		1
3 Cre	it 5 Measurement and Verification	3	1	Credit 2	LEED Accredited Professional		1
2 Cre	it 6 Green Power	2					
7 1 8 M	terials and Resources	ossible Points: 14	22	Regi	onal Priority Credits	Possible Points	: 4
· · · · · · · · · · · · · · · · · · ·			1	Credit 1	.1 Regional Priority: Specific Credit		1
Y Pre	eq 1 Storage and Collection of Recyclables		1		.2 Regional Priority: Specific Credit		1
3 Cre		nd Roof 1 to 3	1				1
3 Cre	it 1.2 Building Reuse—Maintain 50% of Interior Non-Stru		1		.4 Regional Priority: Specific Credit		1
2 Cre	it 2 Construction Waste Management	1 to 2					
2 Cre	-	1 to 2	60 41	11 Tota	l	Possible Points	: 110
					ed 40 to 49 points Silver 50 to 59 points Gold 60 to 79 po		

\* PROPERTY REMAINS SUBJECT TO THE C3C ZONE REQUIREMENTS, AND, IS NOT SUBJECT TO THE GREEN Area Ratio requirements, and this scoresheet is provided for informational purposes only \*\*LEED SCORESHEET ID PROVIDED FOR INFORMATIONAL PURPOSES AND IS SUBJECT TO CHANGE





# **Building Permit Plat**

