

EROSION AND SEDIMENT CONTROL NARRATIVE:
THE OVERALL EROSION AND SEDIMENT CONTROL PLAN ON THE SITE CONSISTS OF STRAW BALE DICES ALONG THE EAST BOUNDARY OF THE SITE. INLET PROTECTION IS USED WHERE NEARBY DRAINAGE AREAS ARE PRESENT AND TREE PROTECTION IS USED AS APPLICABLE FOR TREES NOT TO BE REMOVED. POSITIVE DRAINAGE IS PROVIDED TO A SUMP PUMP ON THE SOUTHWEST PART OF THE SITE WHERE IT WILL BE FILTERED THROUGH A SEDIMENT TRAP AND THEN PROPERLY RELEASED INTO AN EXISTING STORM DRAIN.

DESCRIPTION OF PREDOMINANT SOIL TYPE:

DISTRICT OF COLUMBIA (DOEE)	SOIL UNIT SYMBOL	SOIL UNIT NAME	ACRES IN AREA	PERCENT OF TOTAL URBAN LAND
			0.7	

STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE:

- SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED NO LATER THAN THE FIRST PHASE OF LAND GRADING.
- SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED AS SOON AS NEW SITE-RELATED RUNOFF IS DETECTED AND EMPLOYED AT ALL TIMES, TO PROTECT INLETS OR STORM SEWERS BELOW SILT-PRODUCING AREAS.
- NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURES REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAYS.
- REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF A DOEE INSPECTOR.
- PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DESTABILIZED AREAS.

DUST CONTROL NOTES:

- THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
- THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELICIOUS MATERIAL TO BE USED FOR ON-SITE DUST CONTROL.
- THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
- THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
- FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
 - APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP WITH DISCHARGE PRESSURE GAUGE;
 - ARRANGE SPRAY BAR HEIGHT, MISTLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER;
 - DISPERSE WATER THROUGH NOZZLES ON SPRAY BAR AT 20 PSI (137.8 K PA) MINIMUM. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS FLOODING.
- FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
 - APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES;
 - LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS FLOODING.
 - APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.
- APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
- LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS FLOODING.
- APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.

LAND DISTURBANCE ACTIVITY NOTE:

A PERSON RESPONSIBLE FOR LAND DISTURBANCE IS TO BE PRESENT OR AVAILABLE AT ALL TIMES WHILE THE SITE IS IN A PHASE INVOLVING LAND DISTURBING ACTIVITY. THE RESPONSIBLE PERSON IS RESPONSIBLE FOR INSPECTION OF THE SITE EROSION AND SEDIMENT CONTROL MEASURES FREQUENTLY AND AFTER RAINFALL EVENTS. AVAILABILITY TO RESPOND TO POTENTIAL EROSION PROBLEMS, THE COLOR AND AVAILABILITY TO SPEAK ON-SITE WITH DOEE TO REMEDY POTENTIAL PROBLEMS. THE RESPONSIBLE PERSON IS TO HAVE AVAILABLE ON-SITE PROOF OF PROFESSIONAL LICENSING OR OF SUCCESSFUL COMPLETION OF A DEPARTMENT APPROVED TRAINING PROGRAM IN COMPLIANCE OF RESPONSIBLE PERSON DESIGNATION.

CONSTRUCTION AND STABILIZATION SEQUENCE:

- INSTALL SEDIMENT AND EROSION CONTROL MEASURES INCLUDING STRAW BALE DICES, INLET PROTECTION, SUMP PIT, PORTABLE SEDIMENT TANK, STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK, TREE PROTECTION, AND SILT FENCE AS INDICATED ON SHEET C-2. SEE SHEET C-3 FOR EROSION AND SEDIMENT CONTROL DETAILS.
- SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR PRIOR TO COMMENCING ANY OTHER LAND DISTURBING ACTIVITIES.
- REMOVE ITEMS AS INDICATED ON DEMOLITION PLANS.
- INSTALL PROPOSED UTILITIES AS INDICATED ON SHEET C-4.
- INSTALL SITE IMPROVEMENTS AS INDICATED ON CONSTRUCTION DOCUMENTS FOR THE PROPOSED BUILDING.
- CONSTRUCT BMPs AS INDICATED ON SHEET C-6.
- AT THE COMPLETION OF CONSTRUCTION AND AFTER THE INSPECTOR'S APPROVAL, ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED.

EROSION AND SEDIMENT CONTROL NOTE:

- THE APPLICANT MUST NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENT BY PHONE (202-330-2977) AT LEAST 72 HOURS PRIOR TO THE START OF LAND DISTURBING ACTIVITY AND WITHIN 10 BUSINESS DAYS AFTER COMPLETION OF PROJECT TO REQUEST INSPECTION. IF THERE IS NEED TO MAKE CHANGES OR MODIFICATIONS IN THE APPROVED DESIGN, DEPARTMENT OF ENERGY AND ENVIRONMENT MUST BE NOTIFIED IMMEDIATELY.
- REMOVAL OF ANY EROSION AND SEDIMENT CONTROL MEASURES REQUIRES APPROVAL FROM DOEE INSPECTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF SHEETING AND SHORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES. SHORING, BRACING, AND UNDERPINNING DESIGNED BY THE CONTRACTOR'S STRUCTURAL ENGINEER LICENSED IN THE DISTRICT OF COLUMBIA SHALL BE PROVIDED AS NECESSARY TO ENSURE THEIR SUPPORT.
- PROVIDE SILT FENCE AT PERIMETER OF EXCAVATION AREA TO REMAIN IN PLACE UNTIL BELOW GRADE EXCAVATION HAS BEGUN UNLESS OTHERWISE APPROVED BY THE INSPECTOR.
- CONTRACTOR TO PROVIDE ON SITE APPROVED STAMPED AND SIGNED SEDIMENTATION AND EROSION CONTROL DRAWINGS BY DEPARTMENT OF ENERGY AND ENVIRONMENT, WATERPROOFED PROTECTION DIVISION.
- PROVIDE A CHAIN LINK FENCE AT PERIMETER OF SITE.
- NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURES REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAY.
- REMOVE OFF-SITE ACCUMULATION OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF DOEE INSPECTOR.
- PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DE-STABILIZATION AREAS.
- STRAW BALE DICES WILL BE REPLACED EVERY THREE (3) MONTHS UNTIL COMMENCEMENT OF CONSTRUCTION.

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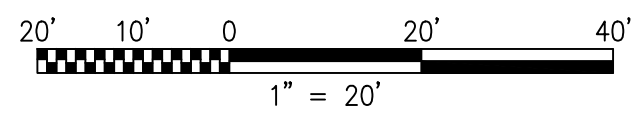
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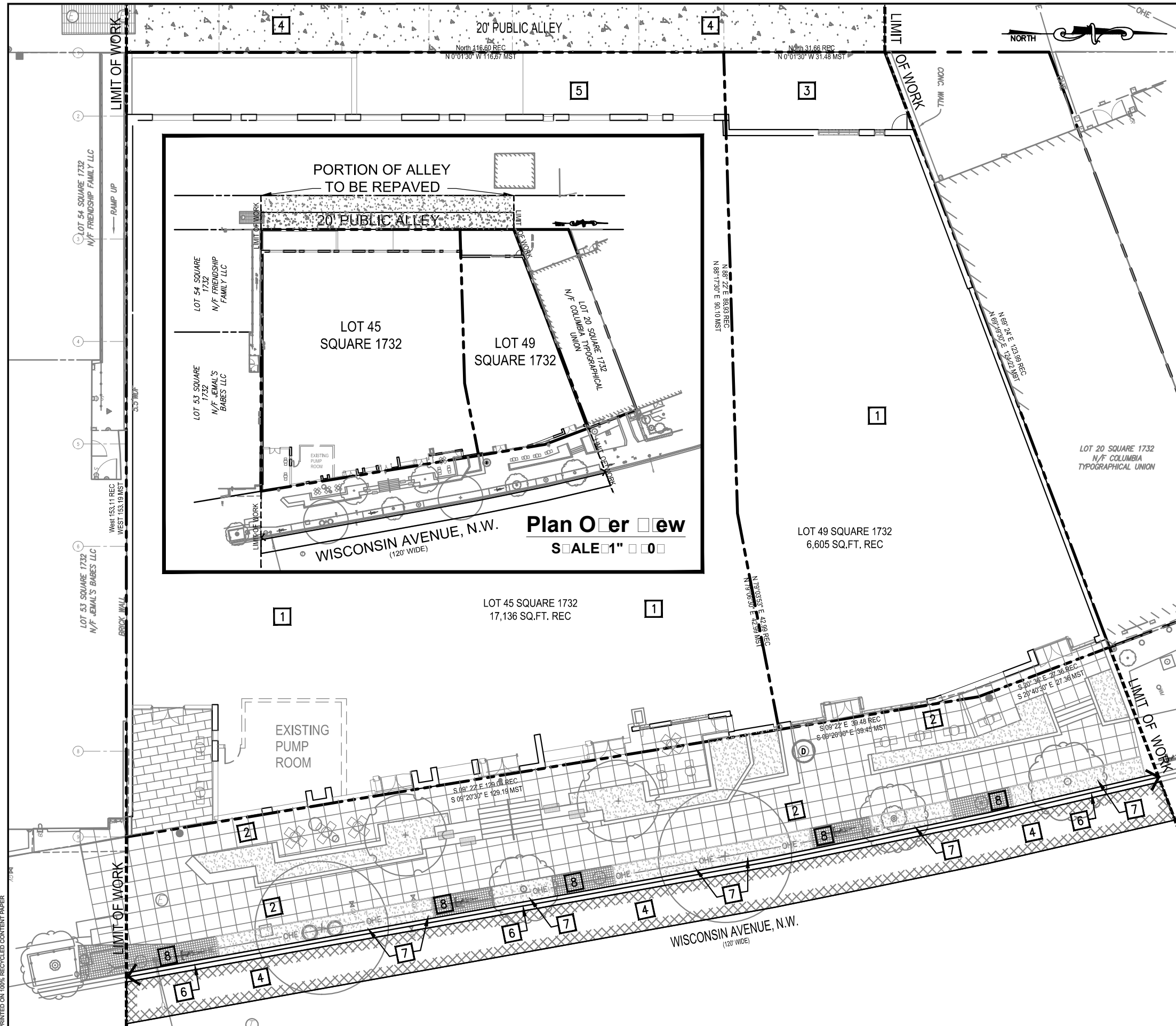
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NUMBER:



THIS SHEET IS TO BE USED FOR SEDIMENTATION AND EROSION CONTROL PURPOSES ONLY

PLANNING COMMISSION
District of Columbia
CASE NO.16-26
EXHIBIT NO.30A5



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.
2. PLANT SPECIES SELECTIONS IDENTIFIED ON THIS PLAN ARE SHOWN TO ILLUSTRATE DESIGN INTENT ONLY. THE PURPOSE IS TO GENERALLY DEFINE PLANT SIZE, CHARACTER, AND LOCATIONS. REFINEMENTS TO THE PLANTING DESIGN AND FINAL SELECTION OF ALL PLANT MATERIALS CONSISTENT WITH THE SPECIES SHOWN SHALL BE DEVELOPED DURING DETAILED DESIGN PHASES OF WORK.
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.

GENERAL NOTES:

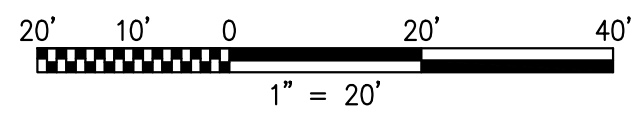
1. REFER TO LANDSCAPE DRAWING FOR LAYOUT AND SPECIES OF TREES.
2. REFER TO LANDSCAPE DRAWING FOR LAYOUT OF STREETSCAPE.
3. ALL EXISTING MANHOLE TOP TO BE ADJUSTED TO MATCH PROPOSED GRADES.
4. DC/DDOT MAY REQUIRE NEW ASPHALT SURFACE COURSE TO CENTERLINE OF THE STREET, PER DC/DDOT INSPECTOR'S RECOMMENDATIONS. CONTRACTOR TO COORDINATION LIMITS OF NEW ASPHALT SURFACE COURSE WITH DC/DDOT INSPECTOR.

SITE KEYNOTES:

- 1 NEW BUILDING. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- 2 NEW CONCRETE SIDEWALK AND SCORING PATTERN PER DC/DDOT STANDARDS AND SPECIFICATIONS.
- 3 NEW RAMP. SEE LANDSCAPE DRAWING FOR DETAILS.
- 4 NEW CONCRETE ALLEY PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE PLAN OVERVIEW ON THIS SHEET FOR LIMITS OF NEW ALLEY PAVING.
- 5 NEW FULL DEPTH ASPHALT PAVEMENT TO MATCH EXISTING.
- 6 NEW GRANITE CURB WITH CONCRETE GUTTER PER DC/DDOT STANDARDS AND SPECIFICATIONS.
- 7 NEW LANDSCAPED TREE BOX. REFER TO LANDSCAPE DRAWINGS FOR DETAILS.
- 8 NEW STANDARD 6" X 6" DDOT GRANITE COBBLE PAVER REFER TO LANDSCAPE DRAWINGS FOR DETAILS.

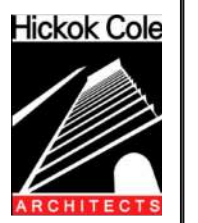
PAVING LEGEND

	NEW CONCRETE SIDEWALK
	SPECIAL PAVING
	NEW GRANITE COBBLE PAVER
	NEW CONCRETE PAVEMENT
	NEW ASPHALT PAVEMENT (FULL DEPTH)
	NEW ASPHALT PAVEMENT (SURFACE COURSE)



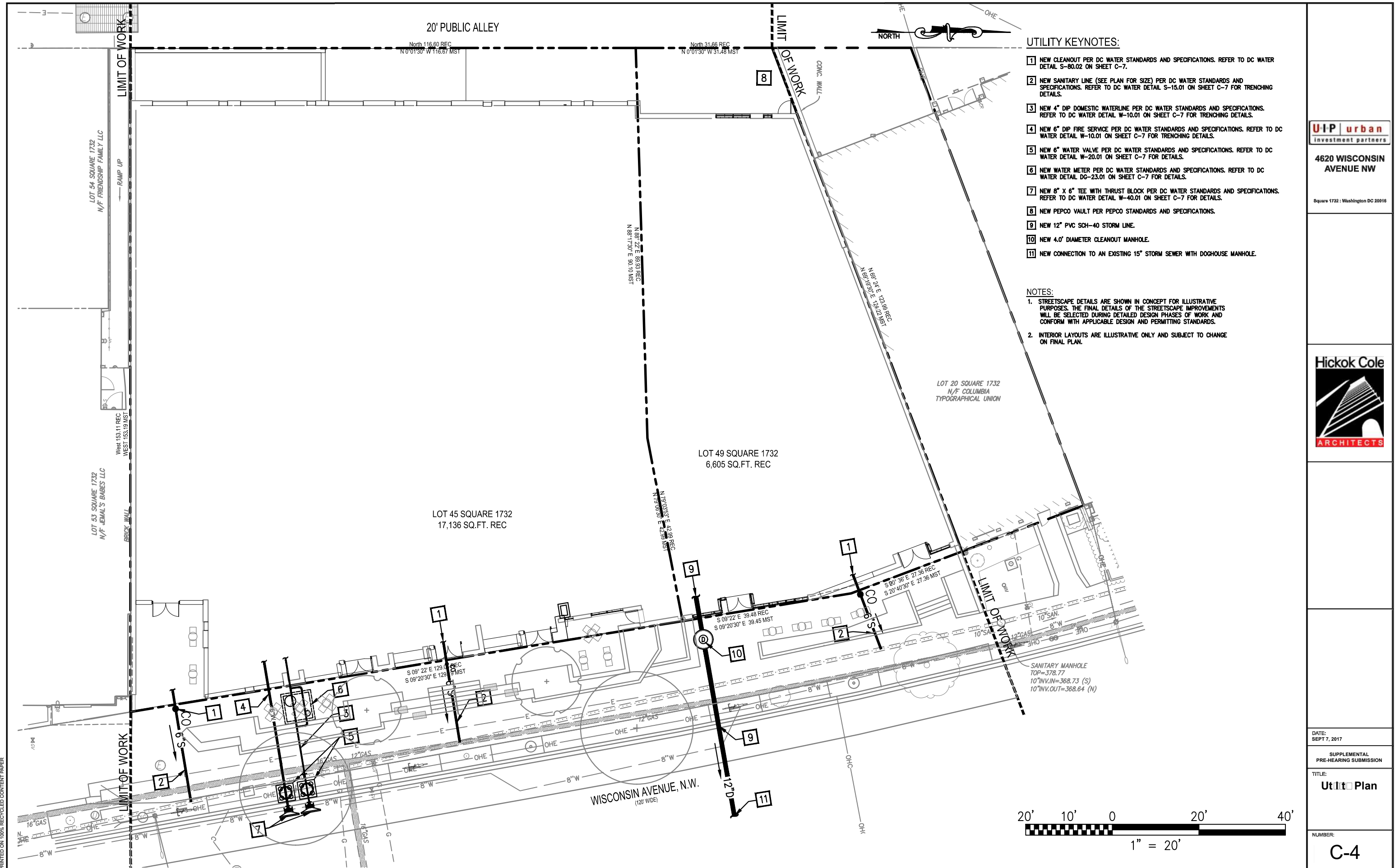
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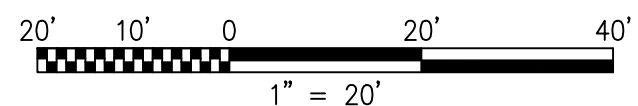
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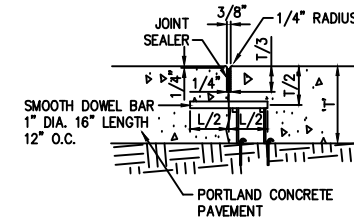
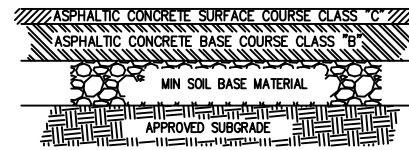
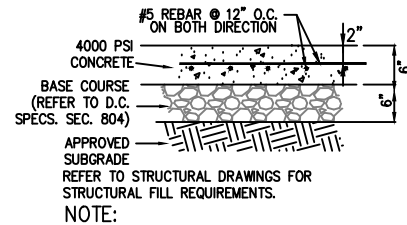
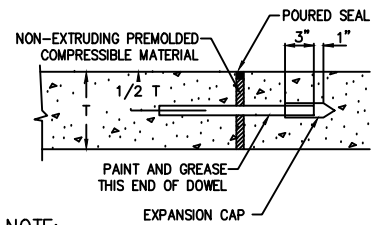
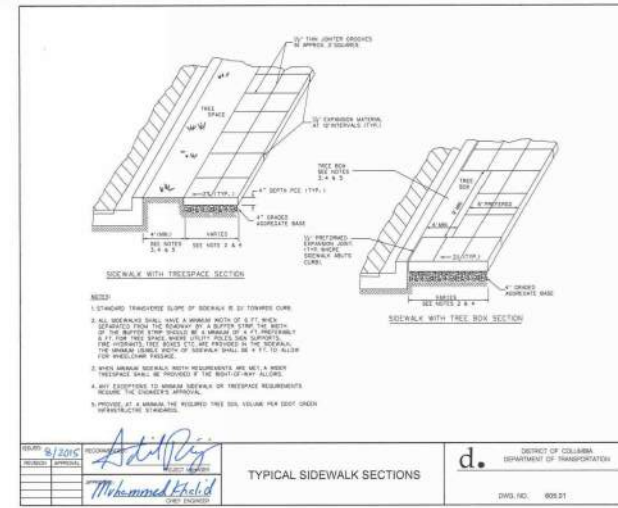
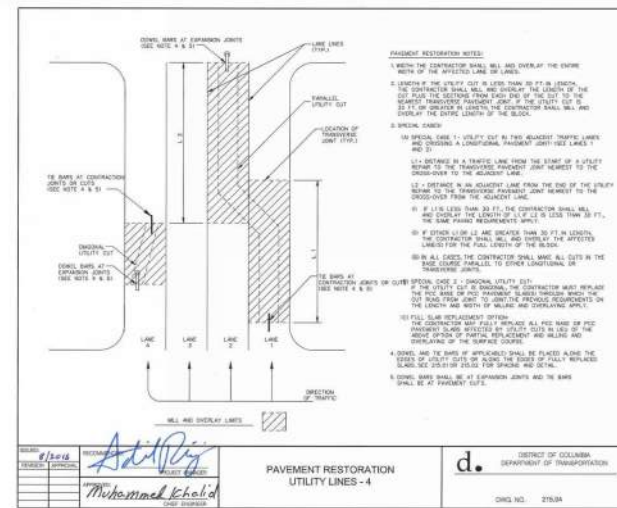
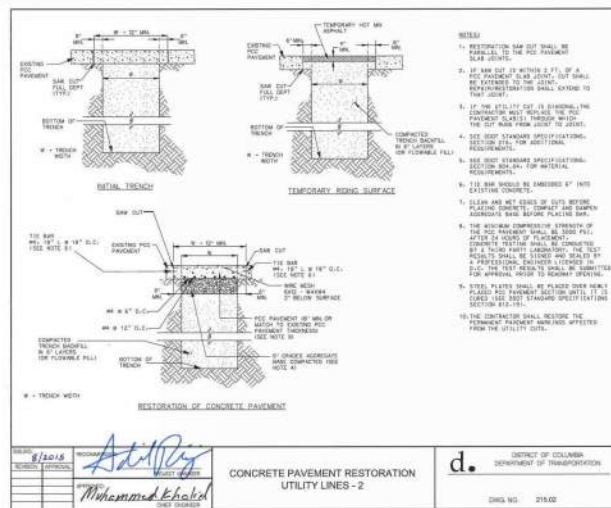
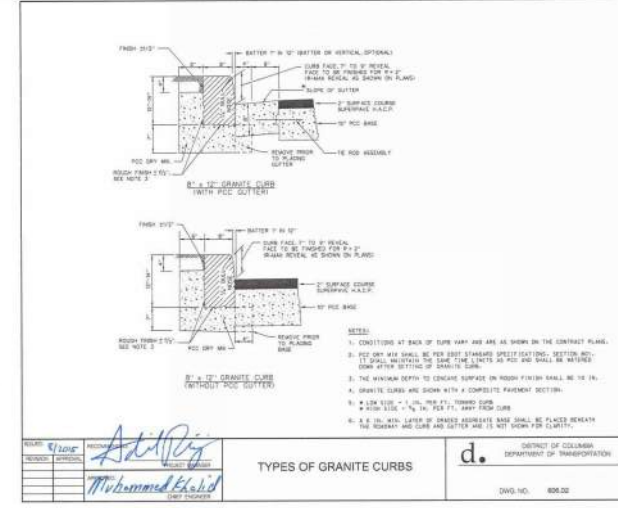
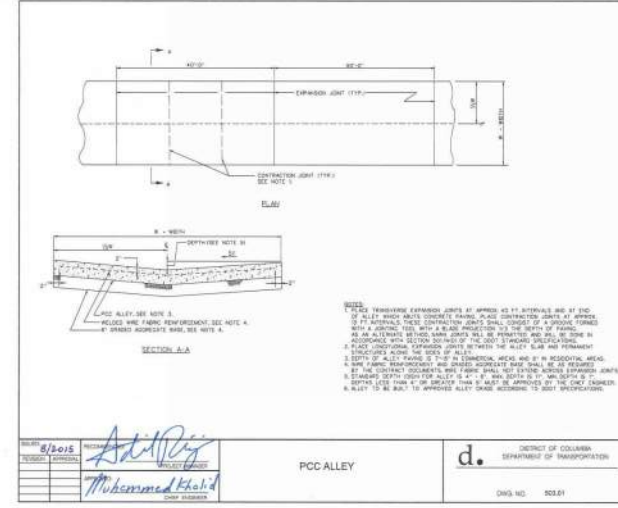
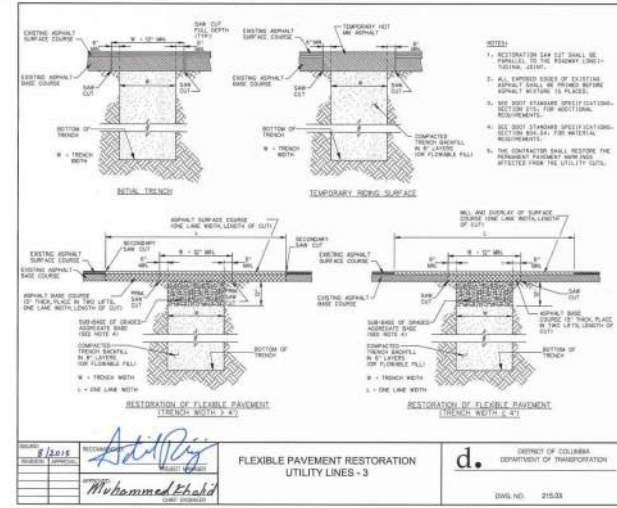
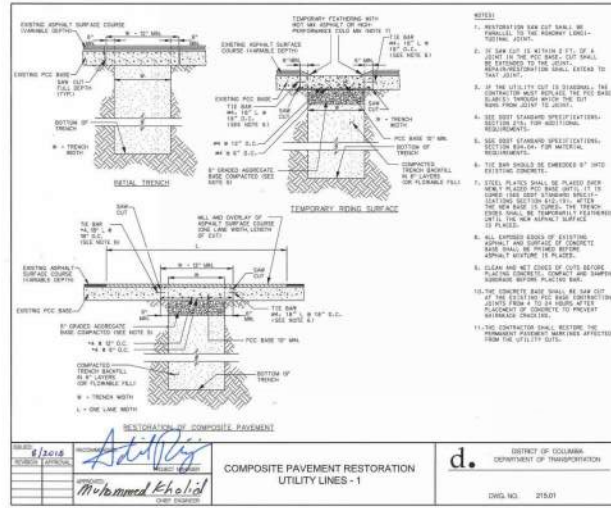
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RECOMMENDED PAVEMENT SECTIONS

RECOMMENDED PAVEMENT SECTIONS	THICKNESS
BITUMINOUS CONCRETE SURFACE COURSE	1.5
BITUMINOUS CONCRETE BASE COURSE	2.5
SOIL BASE MATERIALS	8.0

NOTE: PER DC DOT STANDARDS AND SPECIFICATIONS

NOTE: ASPHALT AND SOIL BASE MATERIALS SHALL CONFORM TO THE REFERENCED PARAGRAPHS AND TABLES OF THE DC DEPARTMENT OF HIGHWAYS AND STRUCTURES LATEST EDITION AND SUPPLEMENTS.

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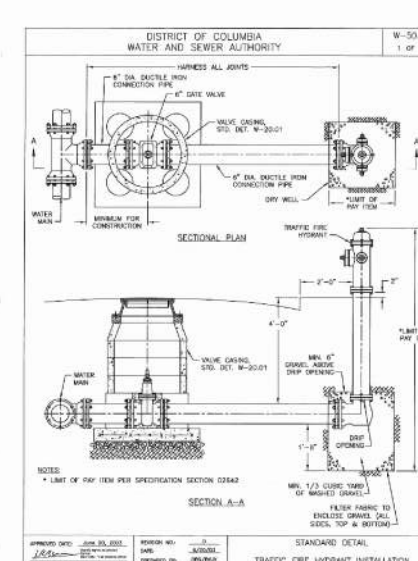
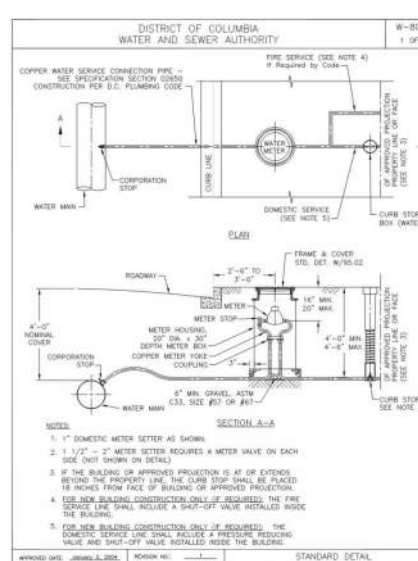
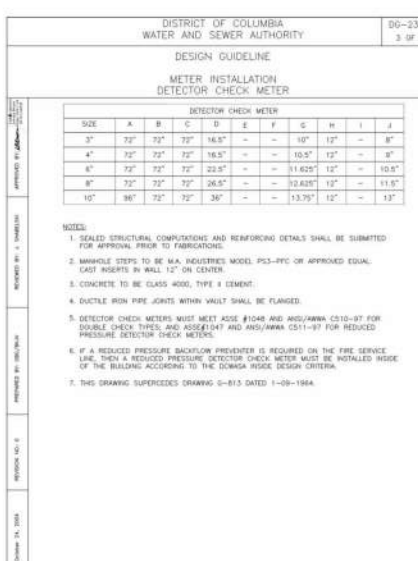
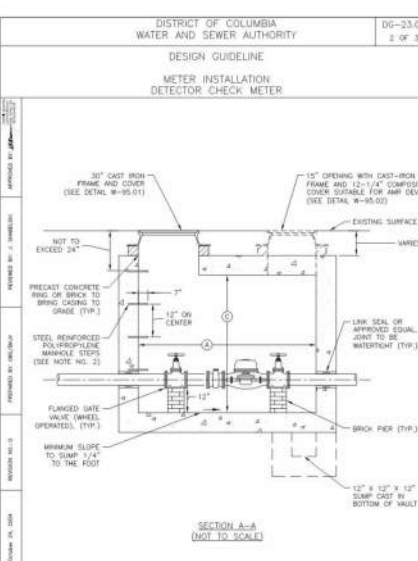
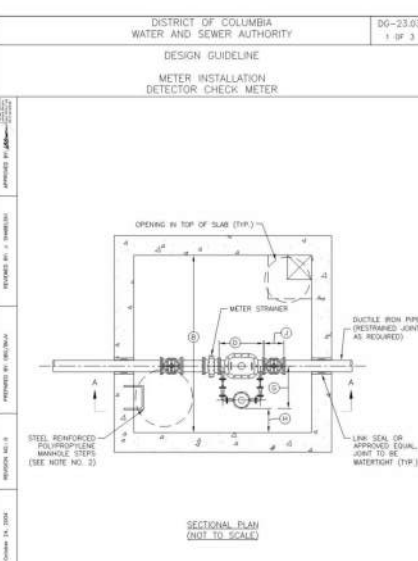
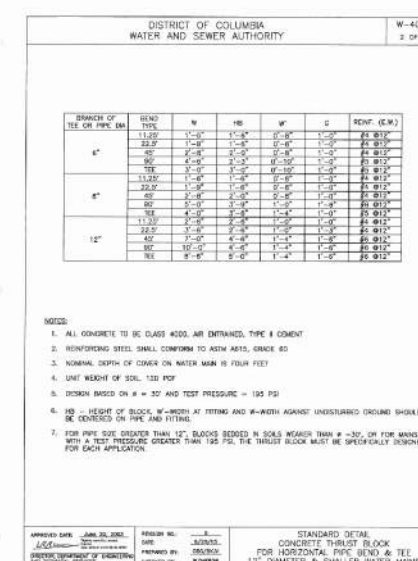
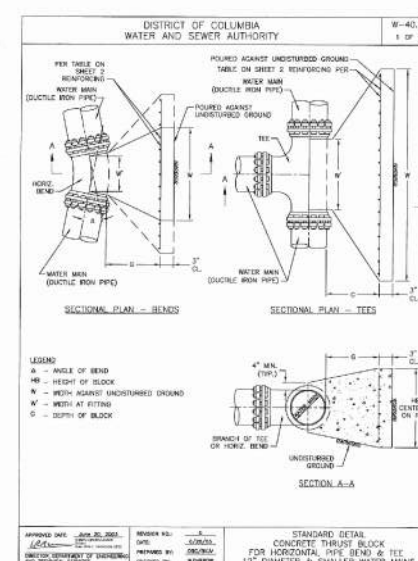
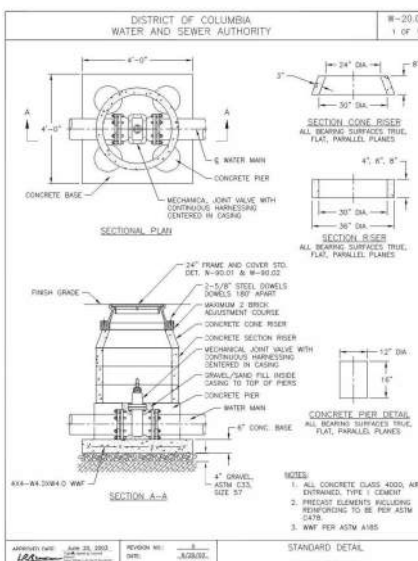
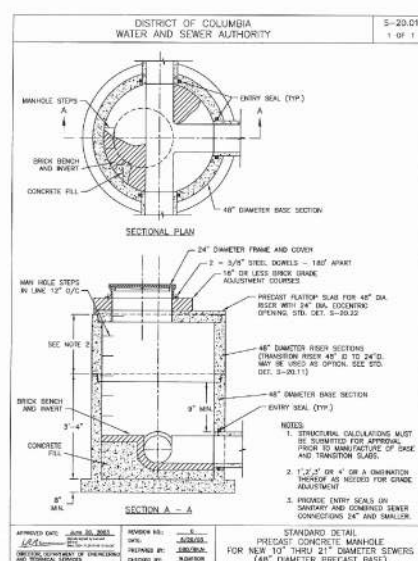
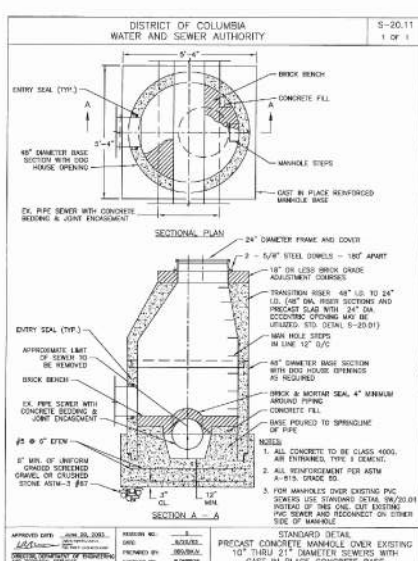
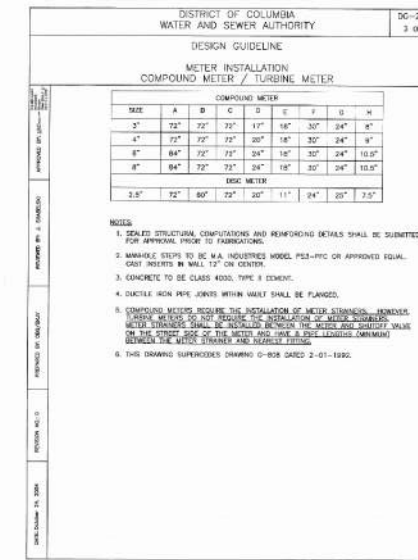
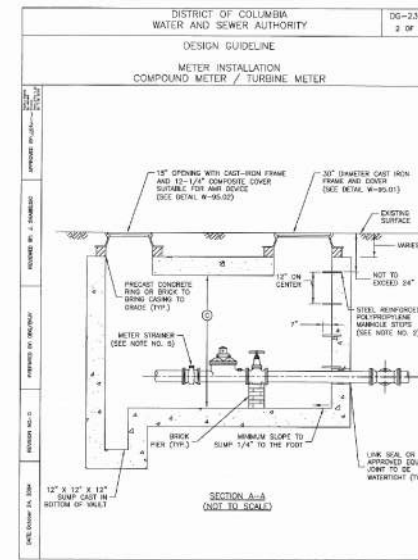
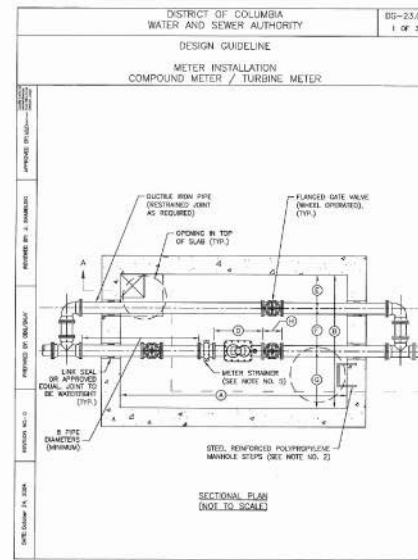
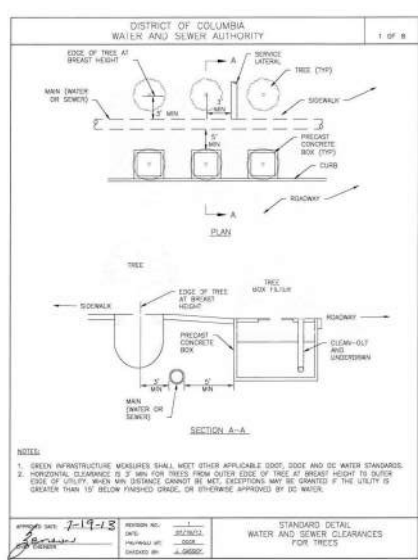
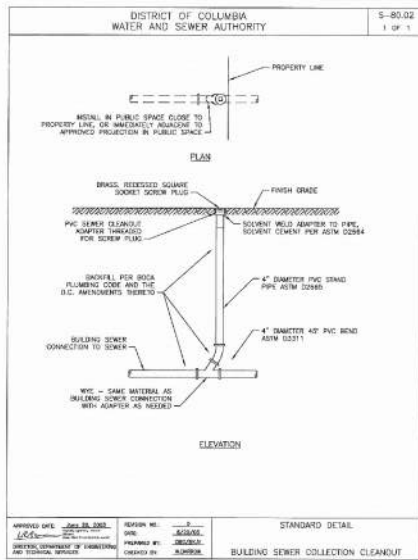
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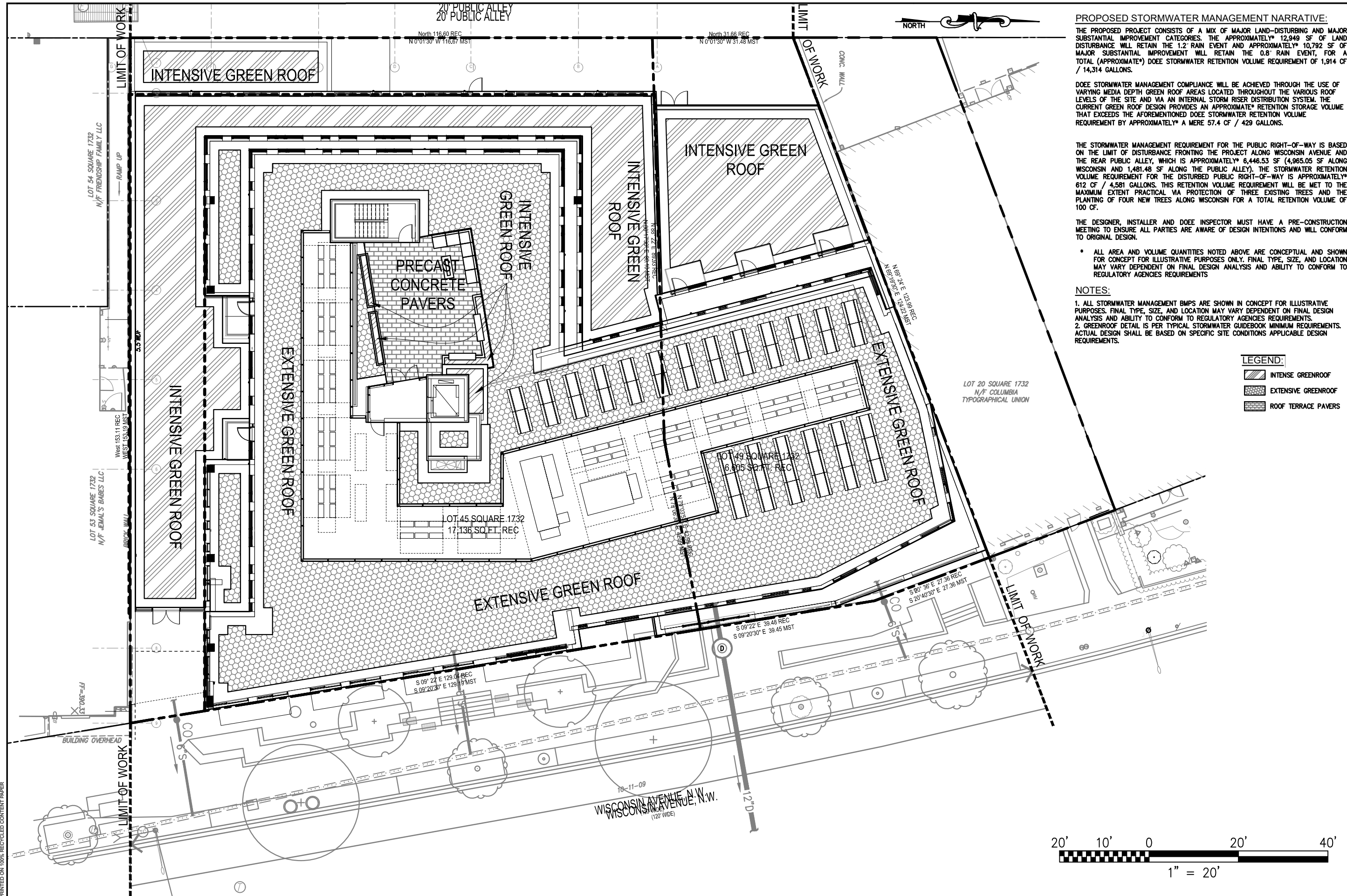
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PROPOSED STORMWATER MANAGEMENT NARRATIVE:

THE PROPOSED PROJECT CONSISTS OF A MIX OF MAJOR LAND-DISTURBING AND MAJOR SUBSTANTIAL IMPROVEMENT CATEGORIES. THE APPROXIMATELY* 12,949 SF OF LAND DISTURBANCE WILL RETAIN THE 1.2" RAIN EVENT AND APPROXIMATELY* 10,792 SF OF MAJOR SUBSTANTIAL IMPROVEMENT WILL RETAIN THE 0.8" RAIN EVENT, FOR A TOTAL (APPROXIMATE*) DOE STORMWATER RETENTION VOLUME REQUIREMENT OF 1,914 CF / 14,314 GALLONS.

DOE STORMWATER MANAGEMENT COMPLIANCE WILL BE ACHIEVED THROUGH THE USE OF VARYING MEDIA DEPTH GREEN ROOF AREAS LOCATED THROUGHOUT THE VARIOUS ROOF LEVELS OF THE SITE AND VIA AN INTERNAL STORM RISER DISTRIBUTION SYSTEM. THE CURRENT GREEN ROOF DESIGN PROVIDES AN APPROXIMATE* RETENTION STORAGE VOLUME THAT EXCEEDS THE AFOREMENTIONED DOE STORMWATER RETENTION VOLUME REQUIREMENT BY APPROXIMATELY* A MERE 57.4 CF / 429 GALLONS.

THE STORMWATER MANAGEMENT REQUIREMENT FOR THE PUBLIC RIGHT-OF-WAY IS BASED ON THE LIMIT OF DISTURBANCE FRONTING THE PROJECT ALONG WISCONSIN AVENUE AND THE REAR PUBLIC ALLEY, WHICH IS APPROXIMATELY* 6,448.53 SF (4,965.05 SF ALONG WISCONSIN AND 1,481.48 SF ALONG THE PUBLIC ALLEY). THE STORMWATER RETENTION VOLUME REQUIREMENT FOR THE DISTURBED PUBLIC RIGHT-OF-WAY IS APPROXIMATELY* 612 CF / 4,581 GALLONS. THIS RETENTION VOLUME REQUIREMENT WILL BE MET TO THE MAXIMUM EXTENT PRACTICAL VIA PROTECTION OF THREE EXISTING TREES AND THE PLANTING OF FOUR NEW TREES ALONG WISCONSIN FOR A TOTAL RETENTION VOLUME OF 100 CF.

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

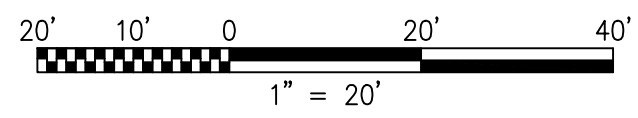
* ALL AREA AND VOLUME QUANTITIES NOTED ABOVE ARE CONCEPTUAL AND SHOWN FOR CONCEPT FOR ILLUSTRATIVE PURPOSES ONLY. FINAL TYPE, SIZE, AND LOCATION MAY VARY DEPENDENT ON FINAL DESIGN ANALYSIS AND ABILITY TO CONFORM TO REGULATORY AGENCIES REQUIREMENTS

NOTES:

1. ALL STORMWATER 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.

LEGEND:

	INTENSE GREENROOF
	EXTENSIVE GREENROOF
	ROOF TERRACE PAVERS



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