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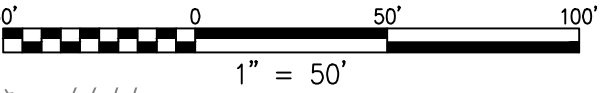
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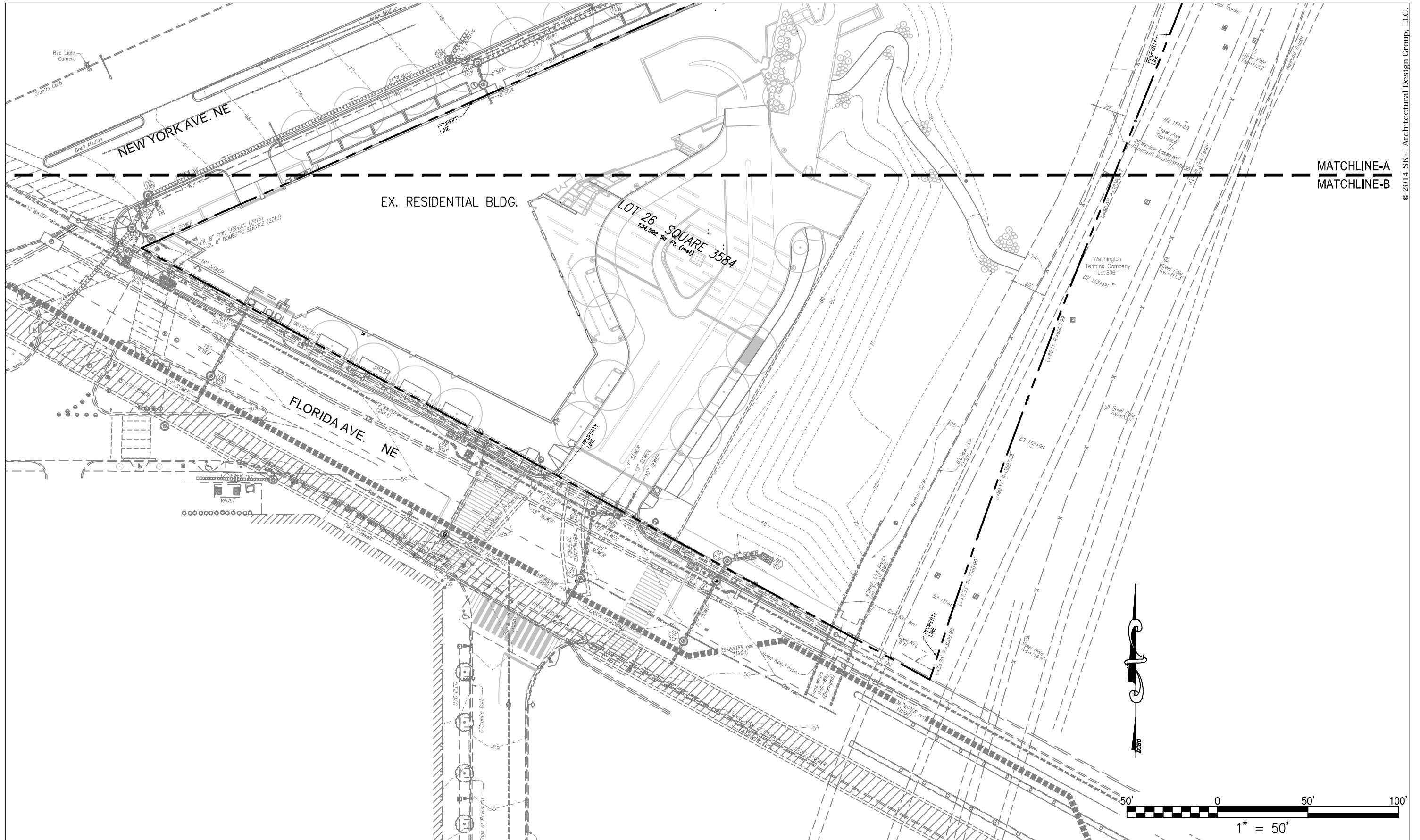
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July 18, 2016 **C-101A**



Existing Conditions Plan A





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July 18, 2016 | C-101B



Existing Conditions Plan B



STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE:

1. SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED NO LATER THAN THE FIRST PHASE OF LAND GRADING.
2. 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.
3. 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 MEASURE, REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAYS.
4. REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF A DOEI INSPECTOR.
5. PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DESTABILIZED AREAS.

DUST CONTROL NOTES:

1. 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.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELETERIOUS MATERIAL, TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. 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.
5. FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
 - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP WITH DISCHARGE PRESSURE GAUGE;
 - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER;
 - C. 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.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
 - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES;
 - B. 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.
 - C. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.
7. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
8. 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.
9. 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 SITE IS IN A PHASE INVOLVING LAND DISTURBING ACTIVITY. THE RESPONSIBLE PERSON IS RESPONSIBLE FOR INSPECTION OF THE SITE EROSION & SEDIMENT CONTROL MEASURES BIWEEKLY AND AFTER RAINFALL EVENTS. AVAILABILITY TO RESPOND TO POTENTIAL EROSION PROBLEMS AS THEY OCCUR AND AVAILABILITY TO SPEAK ON-SITE WITH DOEI 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:

1. INSTALL SEDIMENT AND EROSION CONTROL MEASURES INCLUDING STRAW BALE DIKES, INLET PROTECTION, SUMP PIT, PORTABLE SEDIMENT TANK, STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK, TREE PROTECTION, AND SILT FENCE AS INDICATED ON SHEET C-303. SEE SHEET C-303 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR PRIOR TO COMMENCING ANY OTHER LAND DISTURBING ACTIVITIES.
3. REMOVE ITEMS AS INDICATED ON DEMOLITION PLAN.
4. INSTALL PROPOSED UTILITIES AS INDICATED ON SHEET C-105B.
5. INSTALL SITE IMPROVEMENTS AS INDICATED ON CONSTRUCTION DOCUMENTS FOR THE PROPOSED BUILDING.
6. CONSTRUCT BMPs AS INDICATED ON SHEET C-701.
7. 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:

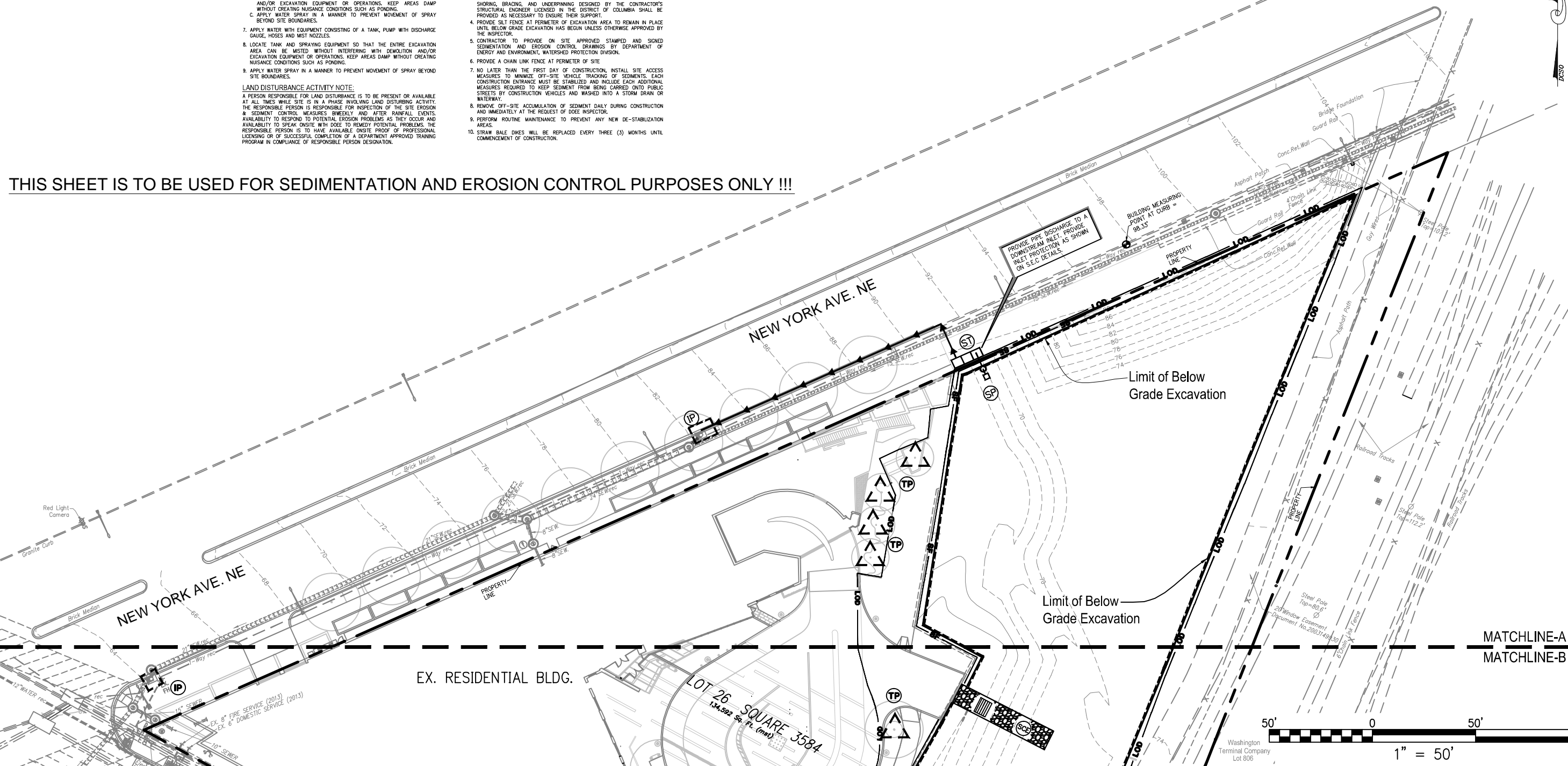
1. THE APPLICANT MUST NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENT BY PHONE (202-535-2977) AT LEAST 72 HOURS PRIOR TO THE START OF LAND DISTURBING ACTIVITY AND WITHIN (2) WEEKS AFTER COMPLETION OF PROJECT TO REQUEST INSPECTION. IF THERE IS NEED TO MAKE CHANGES OR MODIFICATIONS IN THE APPROVED DESIGN, DEPARTMENT OF ENERGY AND ENVIRONMENT MUST BE NOTIFIED IMMEDIATELY.
2. REMOVAL OF ANY EROSION AND SEDIMENT CONTROL MEASURES REQUIRES APPROVAL FROM DOEI INSPECTOR.
3. 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.
4. PROVIDE SILT FENCE AT PERIMETER OF EXCAVATION AREA TO REMAIN IN PLACE UNTIL BELOW GRADE EXCAVATION HAS BEGUN UNLESS OTHERWISE APPROVED BY THE INSPECTOR.
5. CONTRACTOR TO PROVIDE ON SITE APPROVED STAMPED AND SIGNED SEDIMENTATION AND EROSION CONTROL DRAWINGS BY DEPARTMENT OF ENERGY AND ENVIRONMENT, WATERSHED PROTECTION DIVISION.
6. PROVIDE A CHAIN LINK FENCE AT PERIMETER OF SITE.
7. 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 MEASURE REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAY.
8. REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF DOEI INSPECTOR.
9. PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DE-STABILIZATION AREAS.
10. STRAW BALE DIKES WILL BE REPLACED EVERY THREE (3) MONTHS UNTIL COMMENCEMENT OF CONSTRUCTION.

ENFORCEMENT OF SIGNAGE REQUIREMENT FOR PROJECTS REQUIRING EROSION AND SEDIMENT CONTROL PLANS:

ALL CONSTRUCTION PROJECTS REQUIRING SOIL EROSION AND SEDIMENT CONTROL (ESC) PLANS MUST POST A DISTRICT-APPROVED SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DOEI IN THE EVENT OF EROSION OR OTHER POLLUTION FROM THE SITE. DOEI HAS INCREASED ITS ENFORCEMENT EFFORTS FOR THIS REQUIREMENT. A LIMITED NUMBER OF PRE-PRINTED SIGNS IS AVAILABLE AT THE DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS AND WILL BE ISSUED AT NO CHARGE WITH APPROVED SOIL EROSION AND SEDIMENT CONTROL PLANS ON A FIRST COME, FIRST SERVED BASIS. AN ELECTRONIC COPY OF THE DISTRICT APPROVED SIGN IS AVAILABLE AT [HTTP://DOEC.DCO.GOV/ESC](http://doec.dco.gov/esc).

LEGEND

- TEMP CONSTRUCTION ENTRANCE
- WASH RACK
- SILT FENCE
- INLET PROTECTION
- APPROXIMATE LIMIT OF BELOW GRADE EXCAVATION
- APPROXIMATE LIMIT OF DISTURBANCE
- TREE PROTECTION
- SUMP PUMP
- SEDIMENT TANK



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

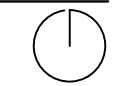
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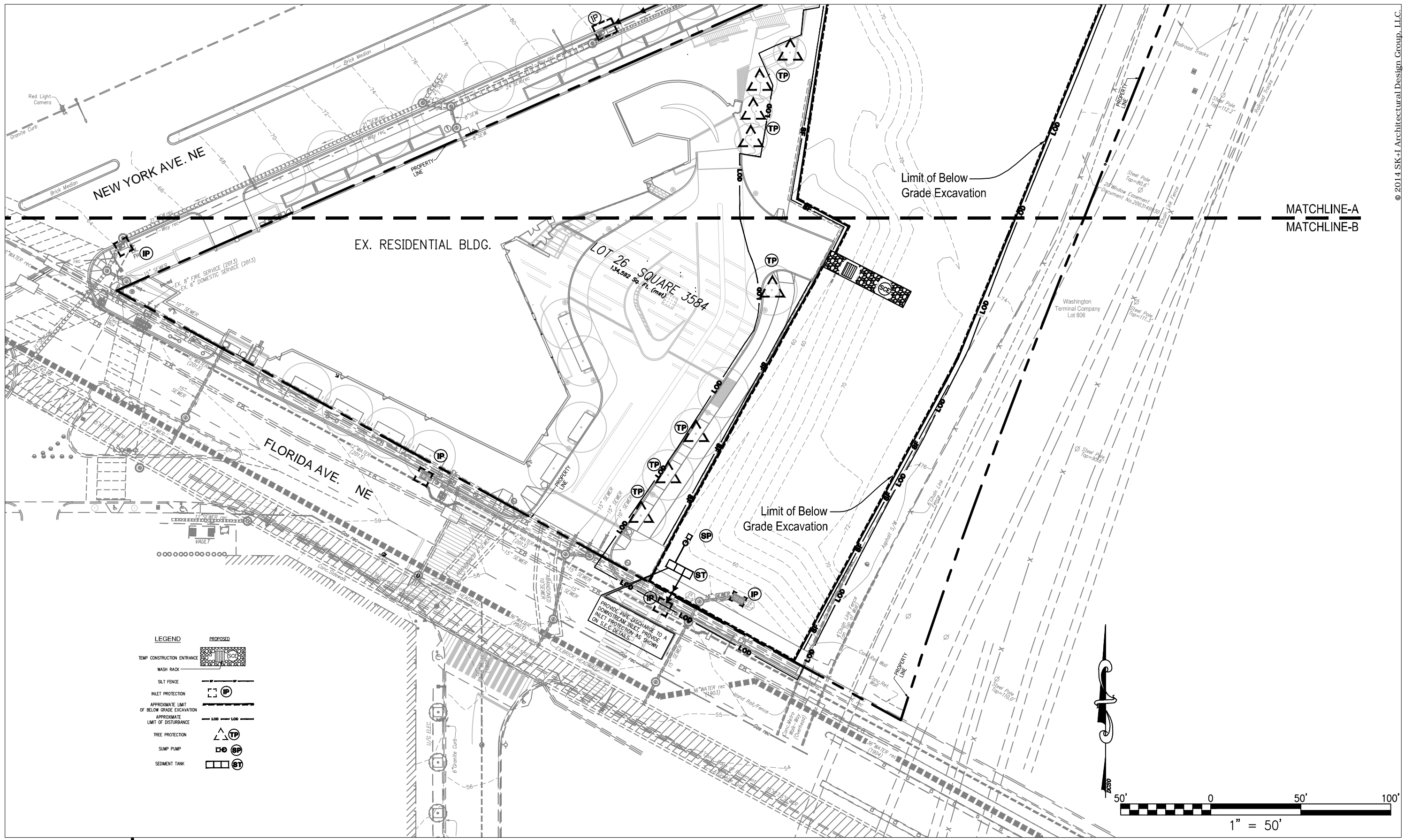
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Erosion & Sediment Control Plan A

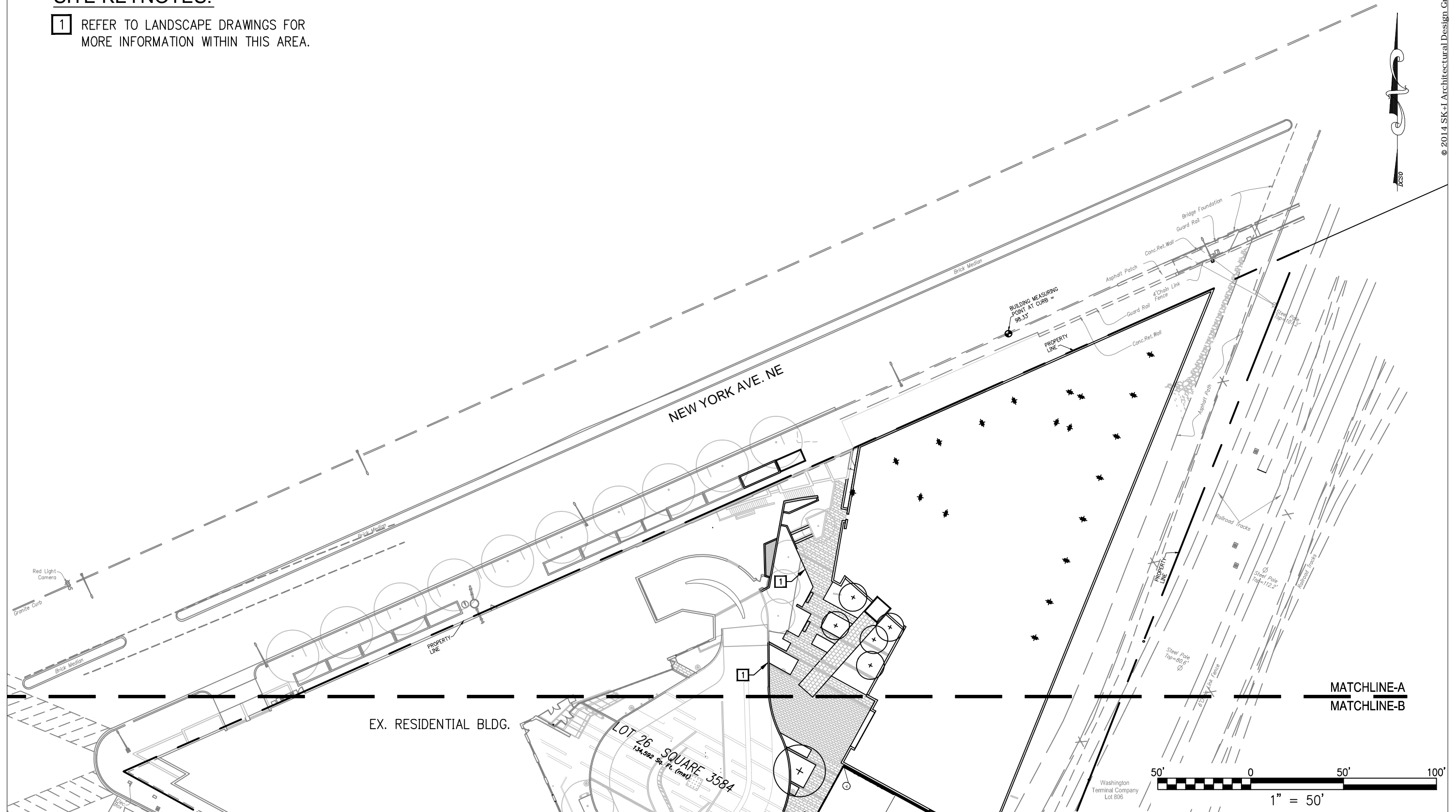


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SITE KEYNOTES:

1 REFER TO LANDSCAPE DRAWINGS FOR MORE INFORMATION WITHIN THIS AREA.



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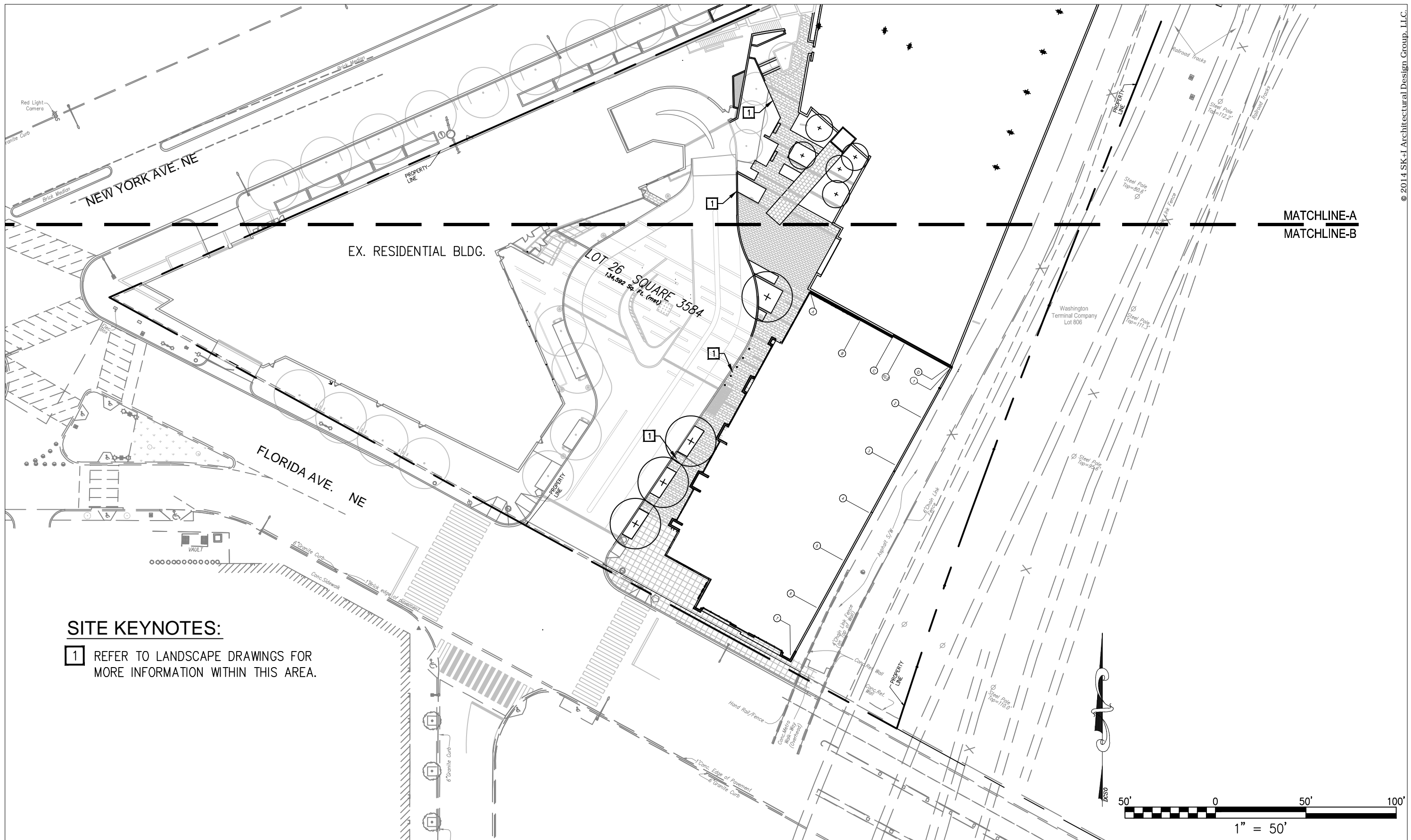
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Site Plan A





SITE KEYNOTES:

1 REFER TO LANDSCAPE DRAWINGS FOR MORE INFORMATION WITHIN THIS AREA.

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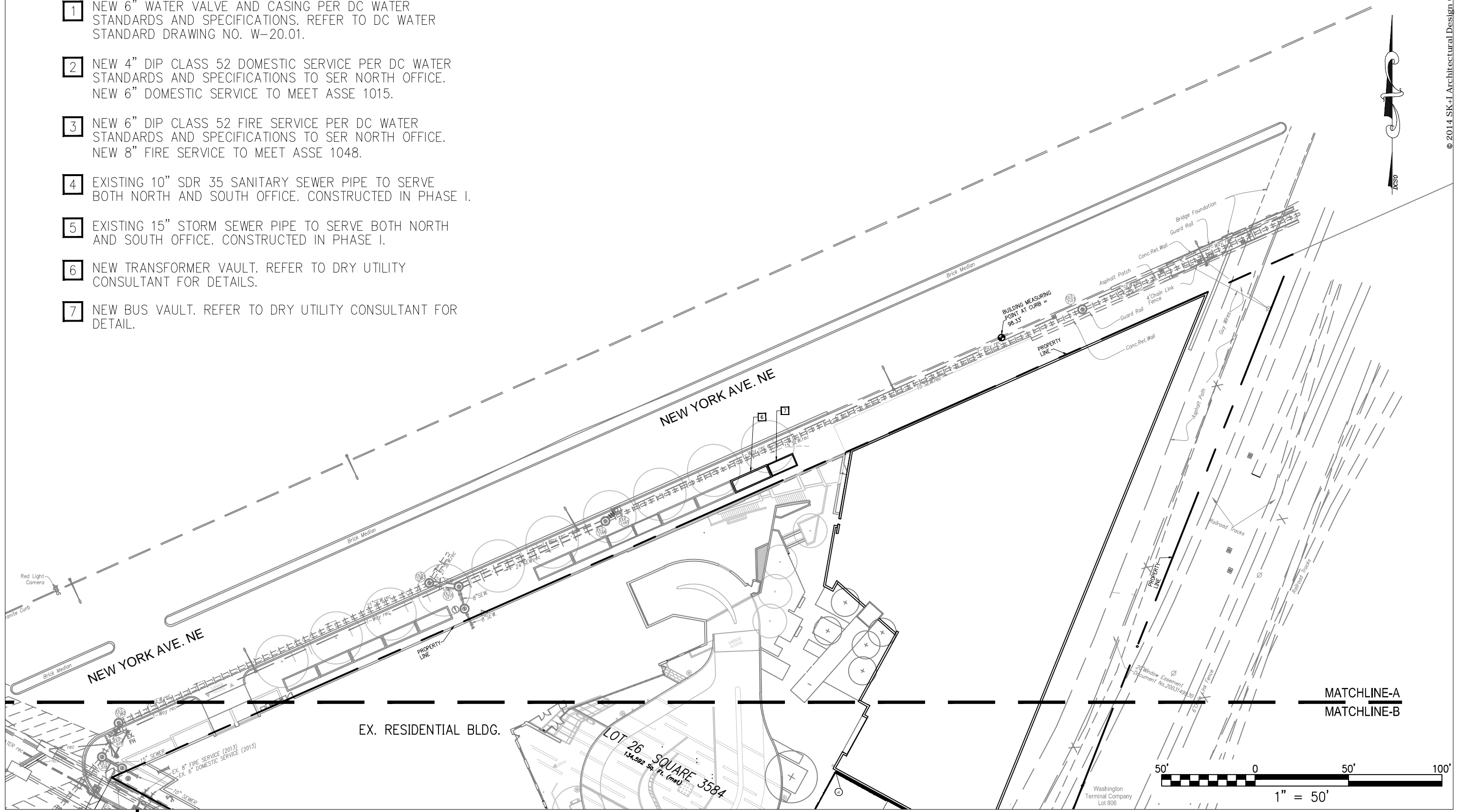


Site Plan B



UTILITY KEYNOTES:

- 1 NEW 6" WATER VALVE AND CASING PER DC WATER STANDARDS AND SPECIFICATIONS. REFER TO DC WATER STANDARD DRAWING NO. W-20.01.
- 2 NEW 4" DIP CLASS 52 DOMESTIC SERVICE PER DC WATER STANDARDS AND SPECIFICATIONS TO SER NORTH OFFICE. NEW 6" DOMESTIC SERVICE TO MEET ASSE 1015.
- 3 NEW 6" DIP CLASS 52 FIRE SERVICE PER DC WATER STANDARDS AND SPECIFICATIONS TO SER NORTH OFFICE. NEW 8" FIRE SERVICE TO MEET ASSE 1048.
- 4 EXISTING 10" SDR 35 SANITARY SEWER PIPE TO SERVE BOTH NORTH AND SOUTH OFFICE. CONSTRUCTED IN PHASE I.
- 5 EXISTING 15" STORM SEWER PIPE TO SERVE BOTH NORTH AND SOUTH OFFICE. CONSTRUCTED IN PHASE I.
- 6 NEW TRANSFORMER VAULT. REFER TO DRY UTILITY CONSULTANT FOR DETAILS.
- 7 NEW BUS VAULT. REFER TO DRY UTILITY CONSULTANT FOR DETAIL.



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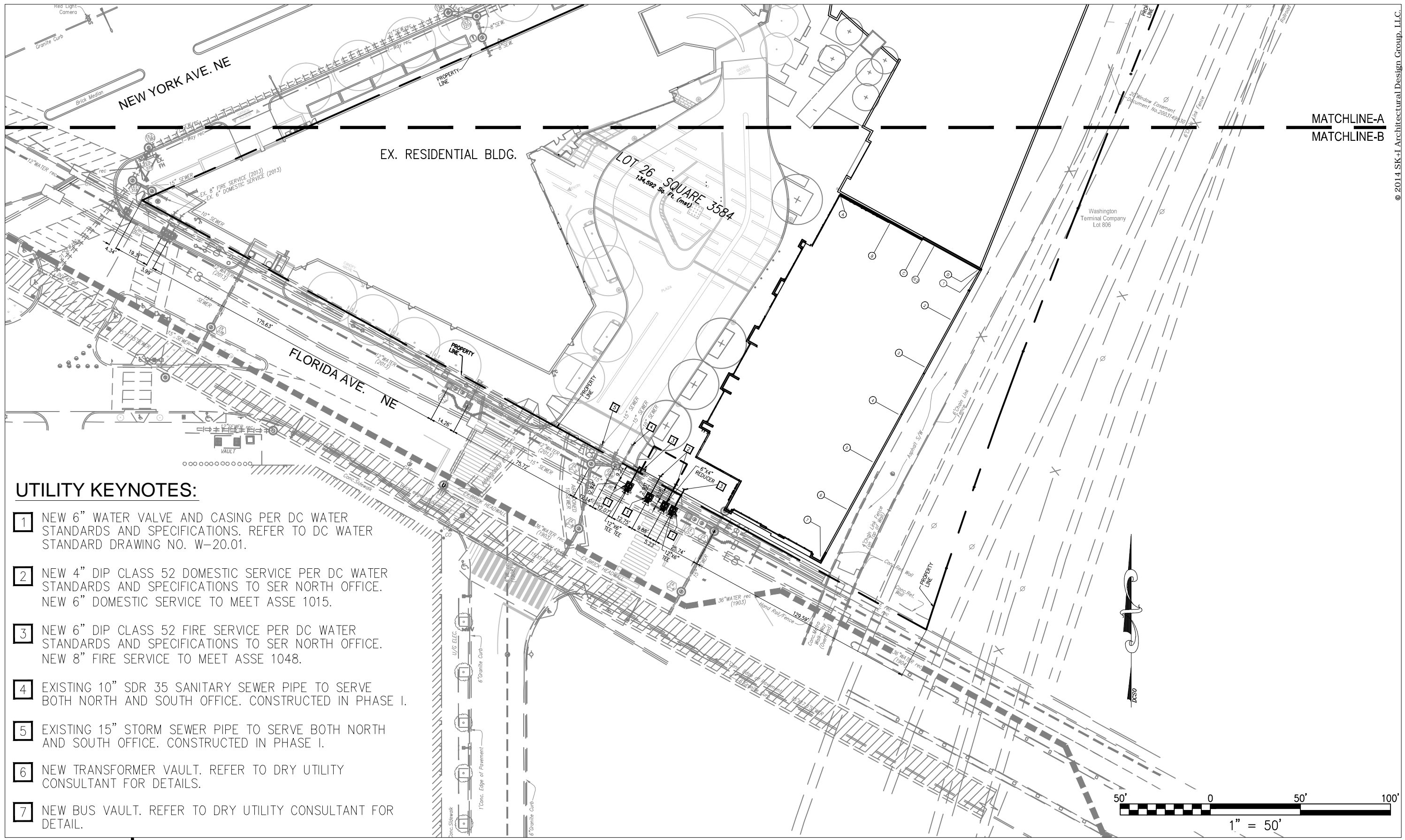
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Utility Plan A

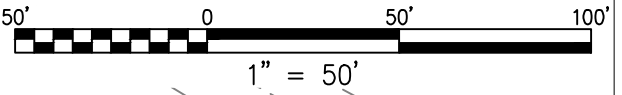




MATCHLINE-A
MATCHLINE-B

UTILITY KEYNOTES:

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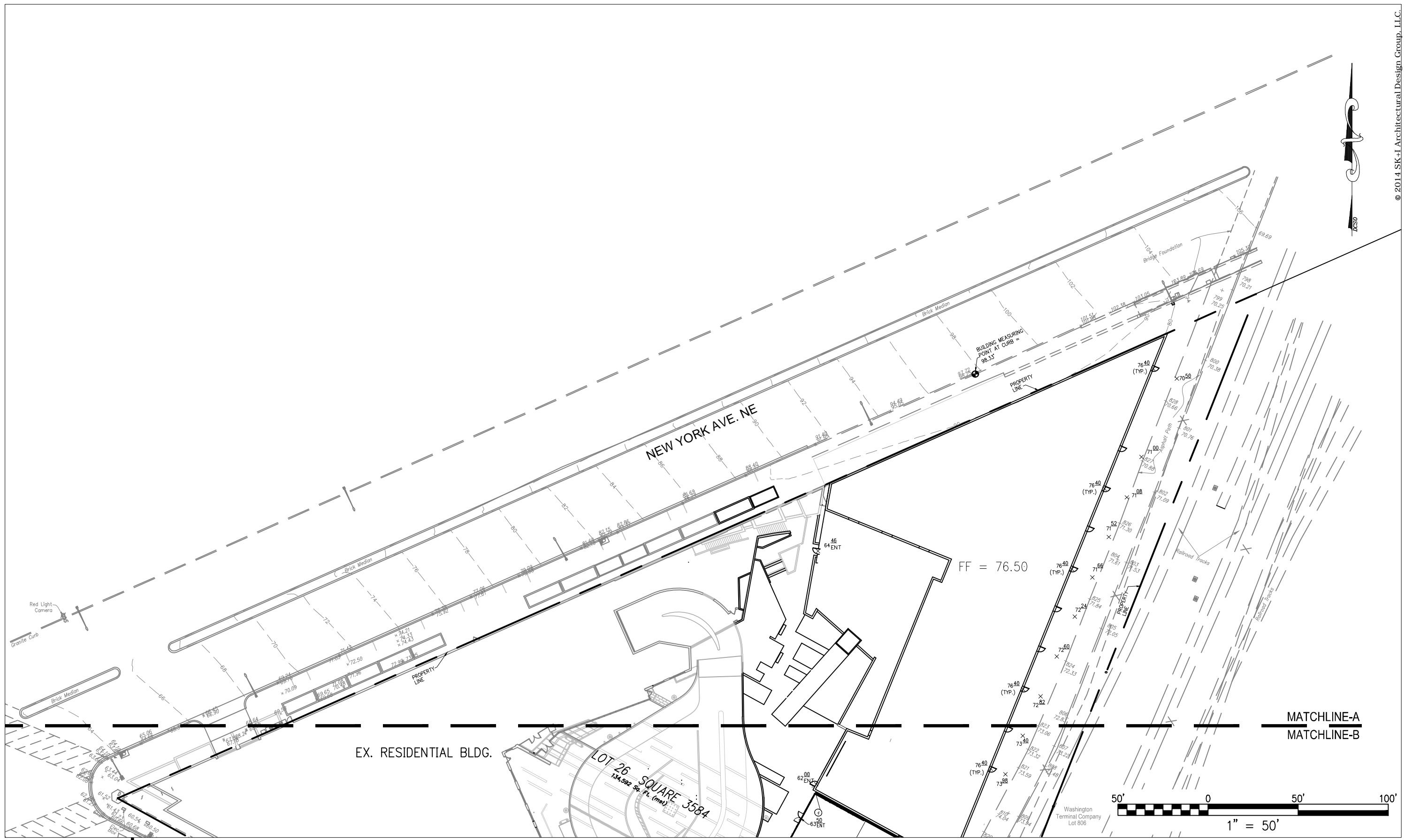
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Utility Plan B





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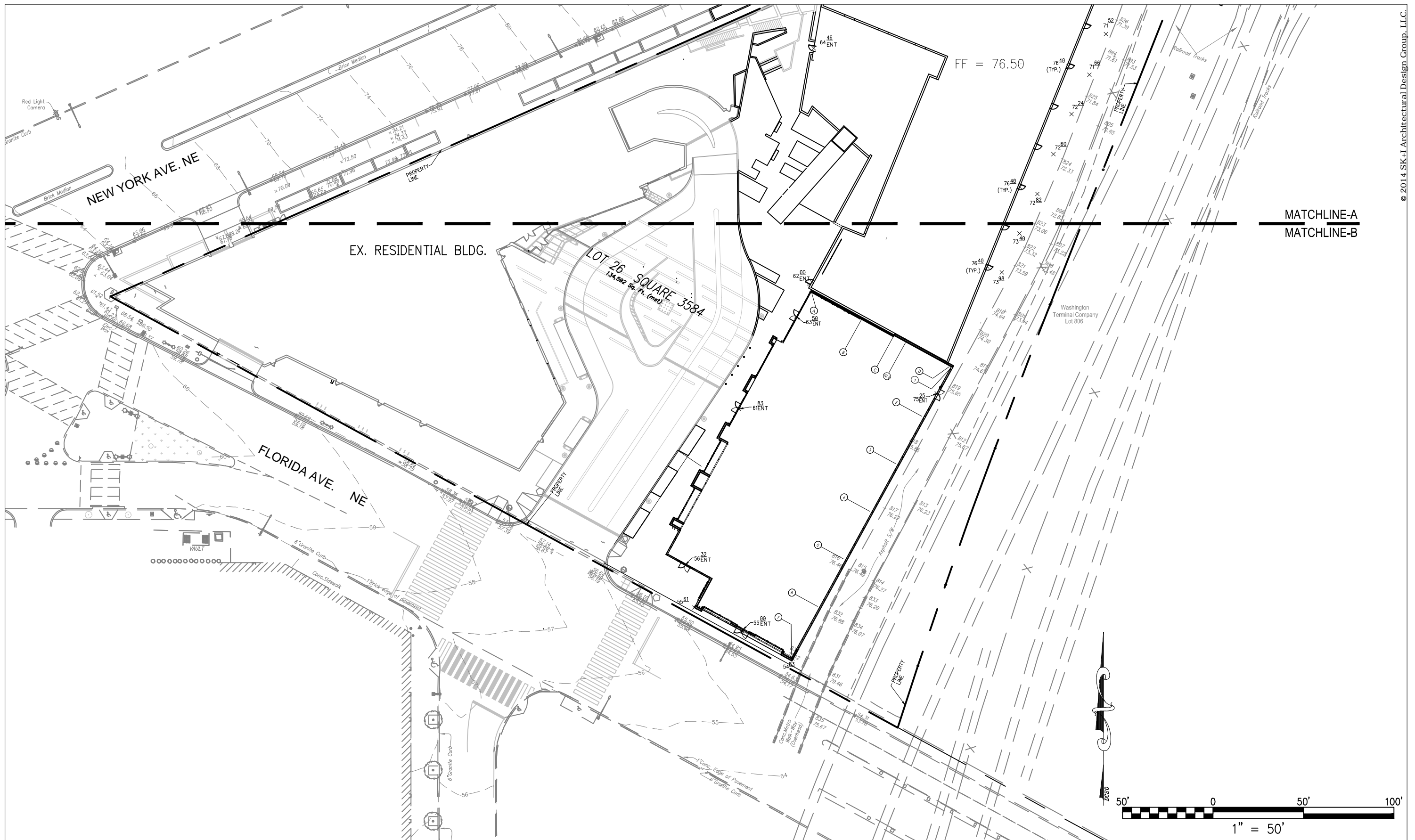
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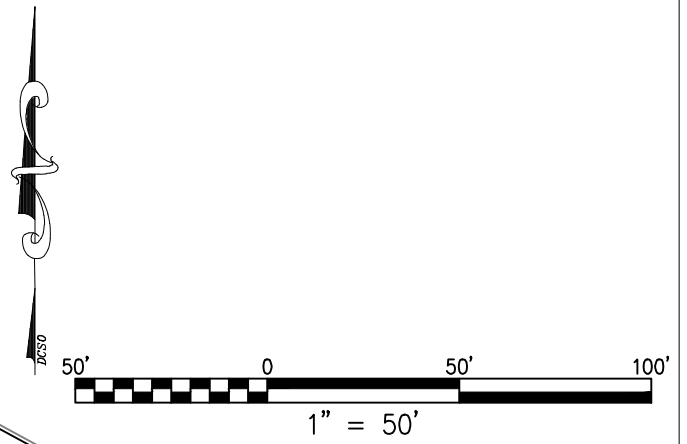
Grading Plan A





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MATCHLINE-A
MATCHLINE-B



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Grading Plan B



DETAIL 1 - STABILIZED CONSTRUCTION ENTRANCE

Diagram showing a stabilized construction entrance with a geotextile fabric filter cloth, a 50' minimum length, and a 50' minimum width. Includes construction specifications for length, geotextile fabric, stone, and surface water management.

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DETAIL 4 - SILT FENCE

Diagram of a silt fence showing a 5' maximum center to center spacing, 36" minimum length fence post, and 15" minimum height of geotextile class F. Includes construction specifications for fence posts, geotextile, and tensile strength.

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DETAIL 6A - STANDARD INLET PROTECTION

Diagram of a standard inlet protection showing a 2' x 4' framing, notch elevation flow, and geotextile class E. Includes construction specifications for excavation, framing, and geotextile.

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DETAIL 6B - AT GRADE INLET PROTECTION

Diagram of an at-grade inlet protection showing a 3/4" - 1 1/2" stone, geotextile class E, and a 2' x 4' weir. Includes construction specifications for stone, geotextile, and weir.

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DETAIL 6C - CURB INLET PROTECTION (COG OR COS INLETS)

Diagram of a curb inlet protection showing a 6" maximum spacing of 2' x 4" anchors, 2" minimum length, and geotextile class E. Includes construction specifications for anchors, geotextile, and weir.

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DETAIL 6E - AT GRADE INLET GUARD

Diagram of an at-grade inlet guard showing a metal strip to hold cloth in place, 2" wide strips, and attaching bolts. Includes construction specifications for metal strip, strips, and bolts.

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DETAIL 9 - EARTH DIKE

Diagram of an earth dike showing a 2:1 slope or flatter, 18" dike height, and 24" dike width. Includes construction specifications for seeding, mulch, and inspection.

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DETAIL 11 - PERIMETER DIKE / SWALE

Diagram of a perimeter dike/swale showing a 6" minimum height, 12" minimum width, and 2:1 slope. Includes construction specifications for stabilization and inspection.

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DETAIL 12 - PIPE OUTLET SEDIMENT TRAP - ST I

Diagram of a pipe outlet sediment trap showing a 1/2" hardware cloth (wire) with filter cloth, 4" minimum top width, and 12" minimum length. Includes construction specifications for hardware cloth, filter cloth, and inspection.

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PIPE OUTLET SEDIMENT TRAP - ST I

Diagram of a pipe outlet sediment trap showing a 6" construction operations, 8" all cut and fill slopes, and 11" riser shall be wrapped with 1/2" hardware cloth. Includes construction specifications for operations, slopes, and riser.

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DETAIL 13 - STONE OUTLET SEDIMENT TRAP - ST II

Diagram of a stone outlet sediment trap showing a 1/2" hardware cloth, 4" minimum width, and 12" minimum length. Includes construction specifications for hardware cloth, width, and inspection.

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STONE OUTLET SEDIMENT TRAP - ST II

Diagram of a stone outlet sediment trap showing a 6" structure shall be inspected, 7" construction of traps, and 8" structure shall be dewatered. Includes construction specifications for inspection, traps, and dewatering.

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DETAIL 14 - RIP-RAP OUTLET SEDIMENT TRAP - ST III

Diagram of a rip-rap outlet sediment trap showing a 4" minimum width, 12" minimum length, and 18" stone thickness. Includes construction specifications for rip-rap, width, and inspection.

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RIP-RAP OUTLET SEDIMENT TRAP - ST III

Diagram of a rip-rap outlet sediment trap showing a 1" area under embankment, 2" fill material, and 3" all cut and fill slopes. Includes construction specifications for area, fill, and slopes.

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DETAIL 22 - SEDIMENT BASIN/TRAP Baffles

Diagram of a sediment basin/trap showing a 12" (approx) cleanout slot, 2' x 4" wood cradle, and 8" center to center baffle detail. Includes construction specifications for cleanout slot, cradle, and baffle.

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DETAIL 34 - PORTABLE SEDIMENT TANK (HORIZONTAL)

Diagram of a horizontal portable sediment tank showing a 55 gal. drums, 3" dia. intake from sump pump, and 5" dia. hose to suitable outlet. Includes construction specifications for drums, intake, and hose.

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DETAIL 35 - PORTABLE SEDIMENT TANK (VERTICAL)

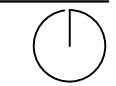
Diagram of a vertical portable sediment tank showing a 72" CMP, 5" CMP sections, and 1/2" wire mesh. Includes construction specifications for CMP, mesh, and inspection.

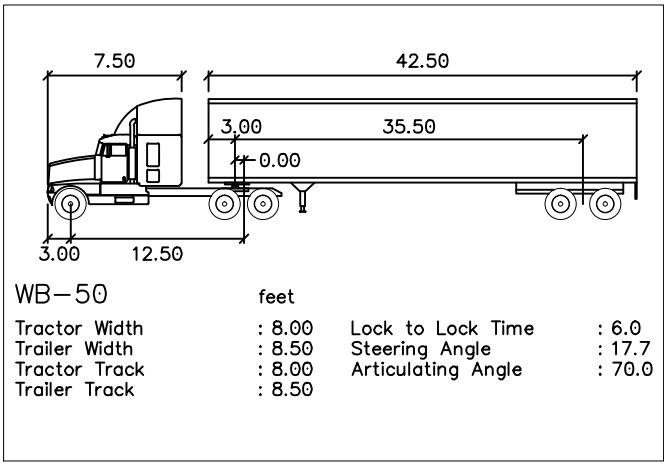
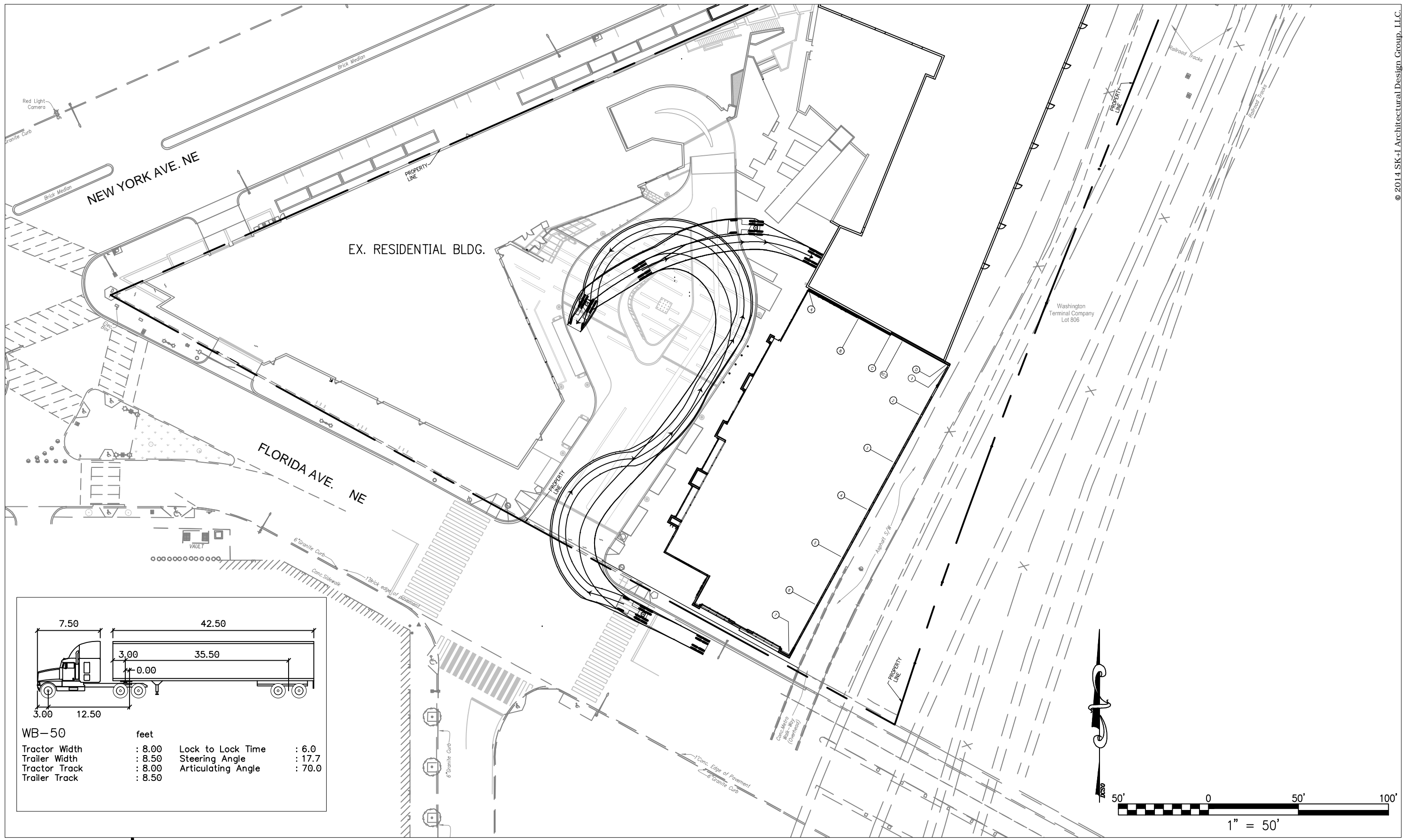
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DETAIL 74 - TREE PROTECTION

Diagram of tree protection showing a 2" wide strips, attaching bolts, and 2" overflow holes. Includes construction specifications for strips, bolts, and overflow holes.

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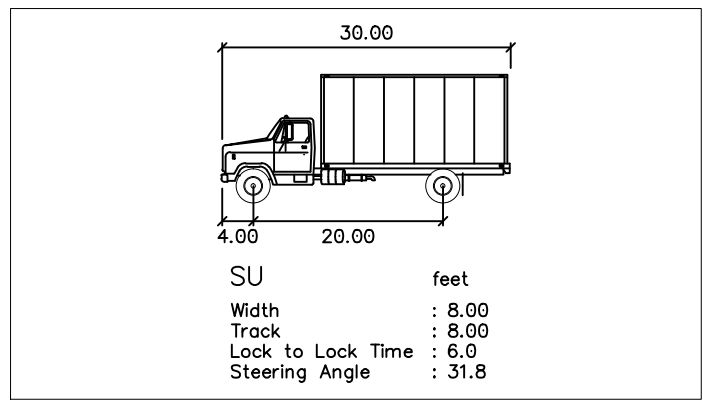
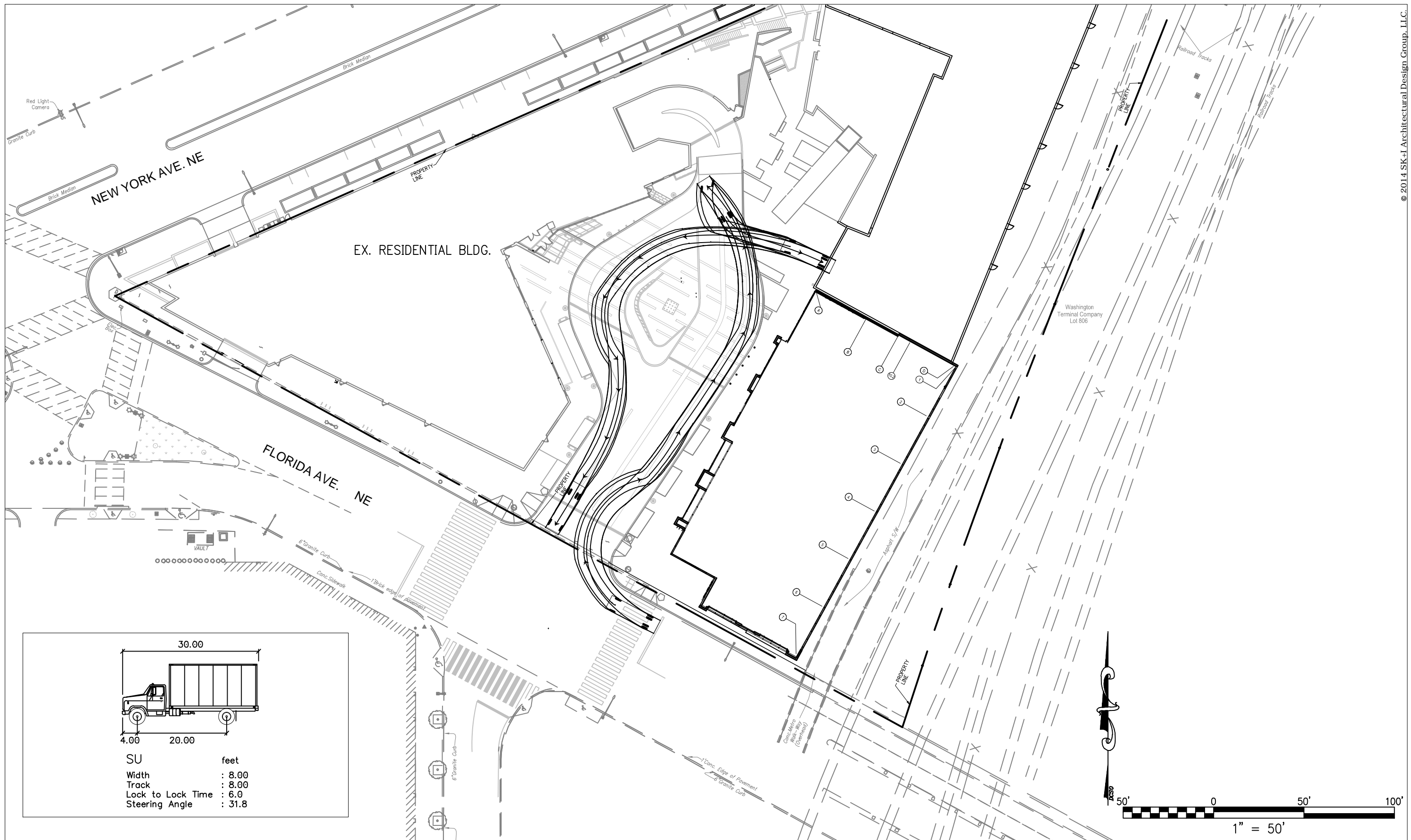
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Truck Turning Plan WB-50





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July 18, 2016 | C-601B



Truck Turning Plan SU



LEGEND:

VEHICULAR INBOUND



VEHICULAR OUTBOUND



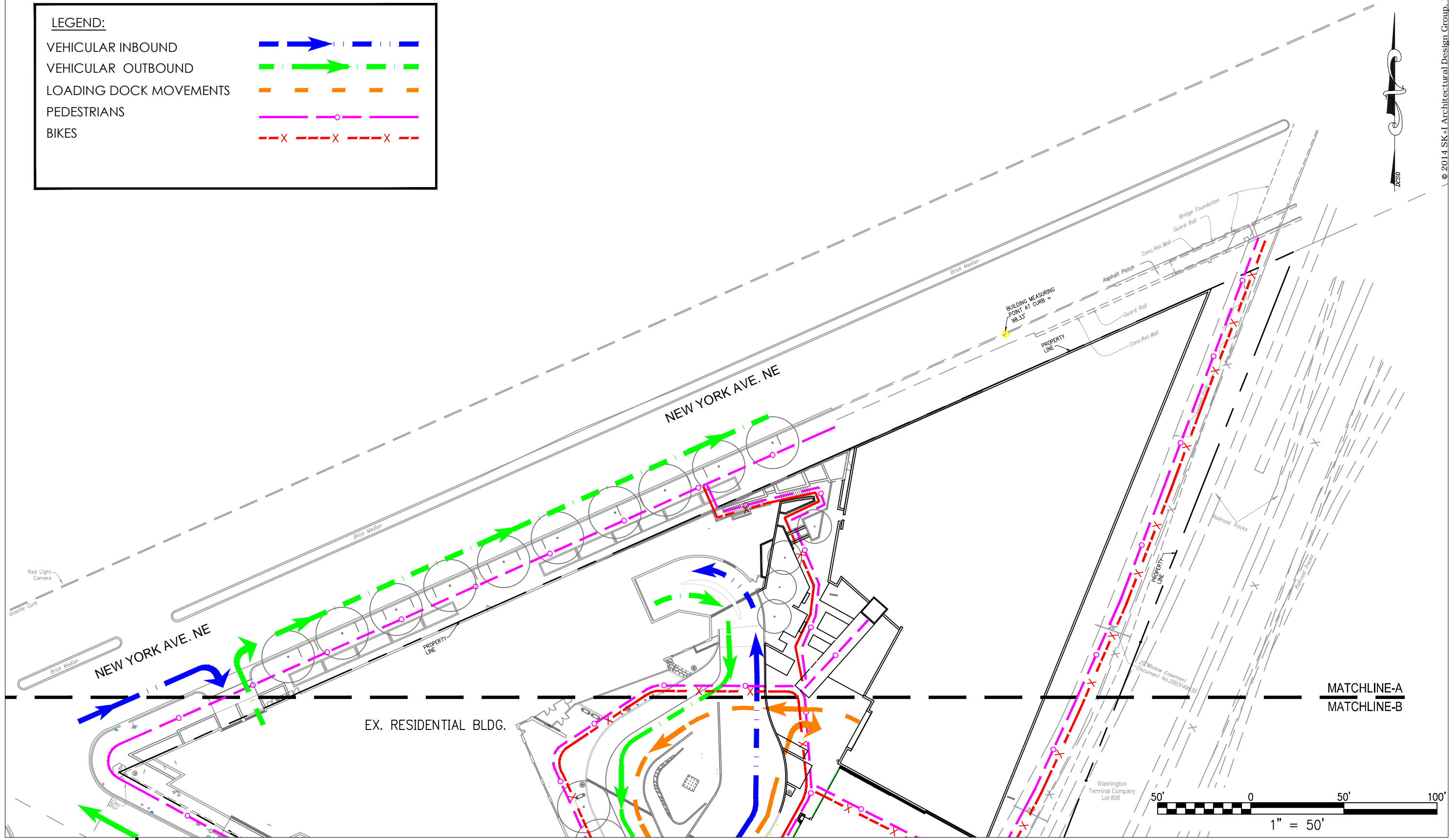
LOADING DOCK MOVEMENTS



PEDESTRIANS



BIKES



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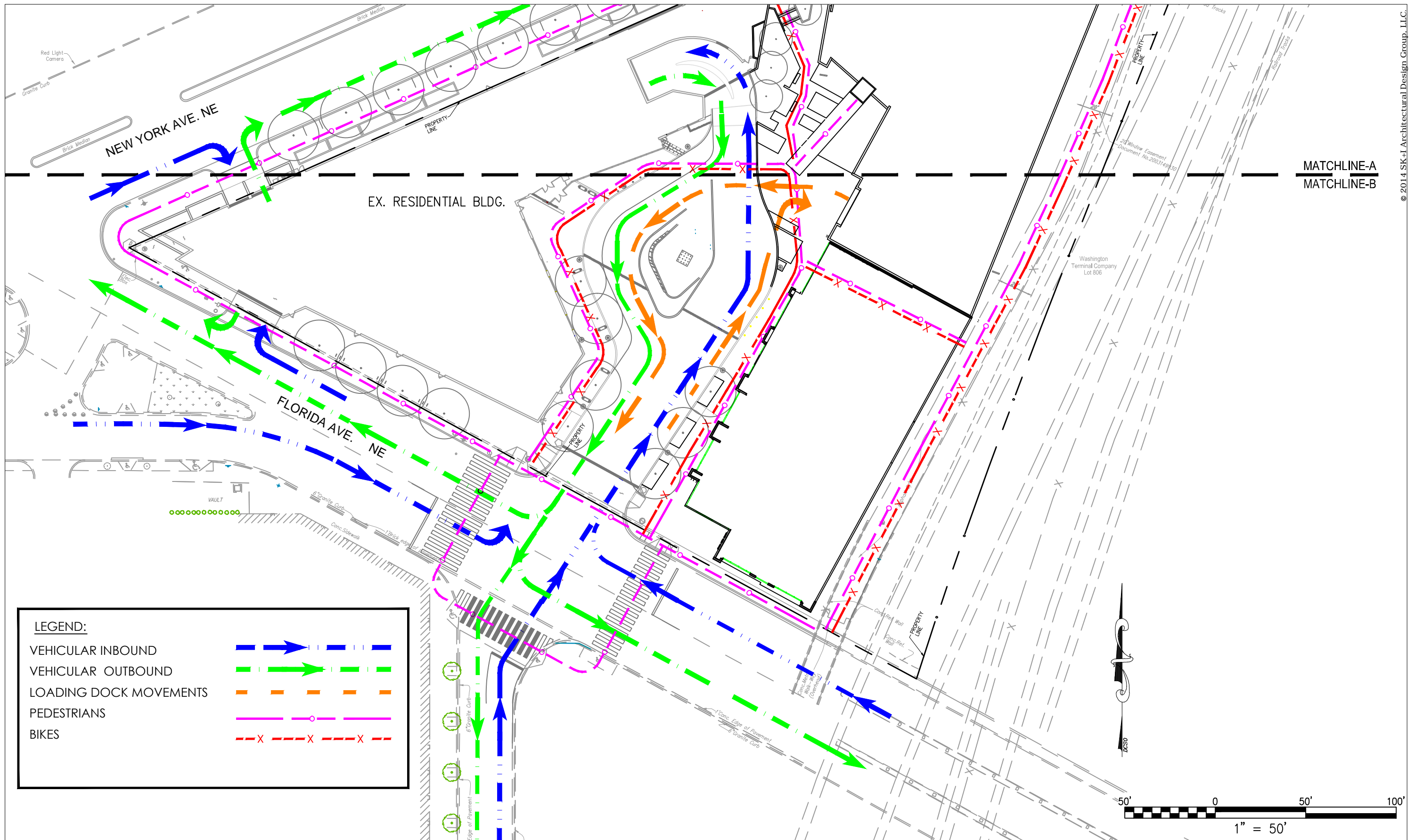
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Circulation Plan A





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STORMWATER MANAGEMENT NARRATIVE:

THE PROJECT WILL BE UNDER THE 2013 STORMWATER MANAGEMENT REQUIREMENTS PER THE DEPARTMENT OF ENERGY AND ENVIRONMENT. THIS WILL BE A MAJOR LAND DISTURBING ACTIVITY, THEREFORE, THE SITE WILL RETAIN THE FIRST 1.2" OF RAINFALL. GREEN ROOF WILL BE USED TO MEET THE SITE RETENTION AND DETENTION REQUIREMENTS.

GENERAL NOTE:

1. REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING OF SWM STRUCTURE.
2. REFER TO LANDSCAPE DRAWINGS FOR GREEN ROOF DETAILS.
3. REFER TO LANDSCAPE AND ARCHITECTURAL FOR PLANT MATERIALS.
4. REFER TO LANDSCAPE DRAWINGS FOR GREEN ROOF MAINTENANCE NOTES.

NOTE:

"NO PERMITTED STORM WATER BMP IS COMPLETE UNTIL FINAL INSPECTION HAS BEEN CONDUCTED AND AN AS-BUILT PLAN HAS BEEN SUBMITTED TO THE DOE WITHIN 21 DAYS AFTER FINAL INSPECTION FOR REVIEW AND APPROVAL."

GREEN ROOF INSTALLATION

GIVEN THE DIVERSITY OF EXTENSIVE VEGETATED ROOF DESIGNS, THERE IS NO TYPICAL STEP-BY-STEP CONSTRUCTION SEQUENCE FOR PROPER INSTALLATION. THE FOLLOWING GENERAL CONSTRUCTION CONSIDERATIONS ARE NOTED:

- CONSTRUCT THE ROOF DECK WITH THE APPROPRIATE SLOPE AND MATERIAL.
- INSTALL THE WATERPROOFING METHOD, ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- CONDUCT A FLOOD TEST TO ENSURE THE SYSTEM IS WATERTIGHT BY PLACING AT LEAST 2 INCHES OF WATER OVER THE MEMBRANE FOR 48 HOURS TO CONFIRM THE INTEGRITY OF THE WATERPROOFING SYSTEM. ALTERNATELY, ELECTRIC FIELD VECTOR MAPPING (EFVM) CAN BE DONE TO TEST FOR THE PRESENCE OF LEAKS; HOWEVER, NOT ALL IMPERMEABLE MEMBRANES ARE TESTABLE WITH THIS METHOD. PROBLEMS
- HAVE BEEN NOTED WITH THE USE OF EFVM ON BLACK EPDM AND WITH ALUMINIZED PROTECTIVE COATINGS COMMONLY USED IN CONJUNCTION WITH MODIFIED BITUMINOUS MEMBRANES.
- ADD ADDITIONAL SYSTEM COMPONENTS (E.G., INSULATION, ROOT BARRIER, DRAINAGE LAYER AND INTERIOR DRAINAGE SYSTEM, AND FILTER FABRIC) PER THE MANUFACTURER'S SPECIFICATIONS, TAKING CARE NOT TO DAMAGE THE WATERPROOFING. ANY DAMAGE OCCURRING MUST BE REPORTED IMMEDIATELY. DRAIN COLLARS AND PROTECTIVE FLASHING SHOULD BE INSTALLED TO ENSURE FREE FLOW OF EXCESS STORMWATER.
- THE GROWING MEDIA SHOULD BE MIXED PRIOR TO DELIVERY TO THE SITE. MEDIA MUST BE SPREAD EVENLY OVER THE FILTER FABRIC SURFACE AS REQUIRED BY THE MANUFACTURER. IF A DELAY BETWEEN THE INSTALLATION OF THE GROWING MEDIA AND THE PLANTS IS REQUIRED, ADEQUATE EFFORTS MUST BE TAKEN TO SECURE THE GROWING MEDIA FROM EROSION AND THE SEEDING OF WEEDS. THE GROWING MEDIA MUST BE COVERED AND ANCHORED IN PLACE UNTIL PLANTING. SHEETS OF EXTERIOR GRADE PLYWOOD CAN ALSO BE LAID OVER THE GROWING MEDIA TO ACCOMMODATE FOOT OR WHEELBARROW TRAFFIC. FOOT TRAFFIC AND EQUIPMENT TRAFFIC SHOULD BE LIMITED OVER THE GROWING MEDIA TO REDUCE COMPACTION BEYOND MANUFACTURER'S RECOMMENDATIONS.
- THE GROWING MEDIA SHOULD BE MOISTENED PRIOR TO PLANTING, AND THEN PLANTED WITH THE GROUND COVER AND OTHER PLANT MATERIALS, PER THE PLANTING PLAN OR IN ACCORDANCE WITH ASTM E2400. PLANTS SHOULD BE WATERED IMMEDIATELY AFTER INSTALLATION AND ROUTINELY DURING ESTABLISHMENT.
- IT GENERALLY TAKES 2 TO 3 GROWING SEASONS TO FULLY ESTABLISH THE VEGETATED ROOF. THE GROWING MEDIUM SHOULD CONTAIN ENOUGH ORGANIC MATTER TO SUPPORT PLANTS FOR THE FIRST GROWING SEASON, SO INITIAL FERTILIZATION IS NOT REQUIRED. EXTENSIVE GREEN ROOFS MAY REQUIRE SUPPLEMENTAL IRRIGATION DURING THE FIRST FEW MONTHS OF ESTABLISHMENT. HAND WEEDING IS ALSO CRITICAL IN THE FIRST TWO YEARS.



INITIAL STORMWATER MANAGEMENT ANALYSIS

4/29/2016

Washinton Gateway

TOTAL SITE AREA:	59,779 SF
Impervious Area	39,052 SF
Compacted Cover	3,322 SF
BMP Area	17,405 SF
TOTAL RETENTION VOLUME REQUIRED:	5,446 CF

**STORMWATER MANAGEMENT NARRATIVE:
MAXIMUM EXTENT PRACTICABLE IN THE PROW**

THE PUBLIC RIGHT OF WAY PORTION OF THIS PROJECT WILL BE UNDER THE 2013 STORMWATER MANAGEMENT REQUIREMENTS PER THE DEPARTMENT OF ENERGY AND ENVIRONMENT. THE SITE WILL MEET THE PROW RETENTION REQUIREMENTS TO THE MAXIMUM EXTENT PRACTICABLE.

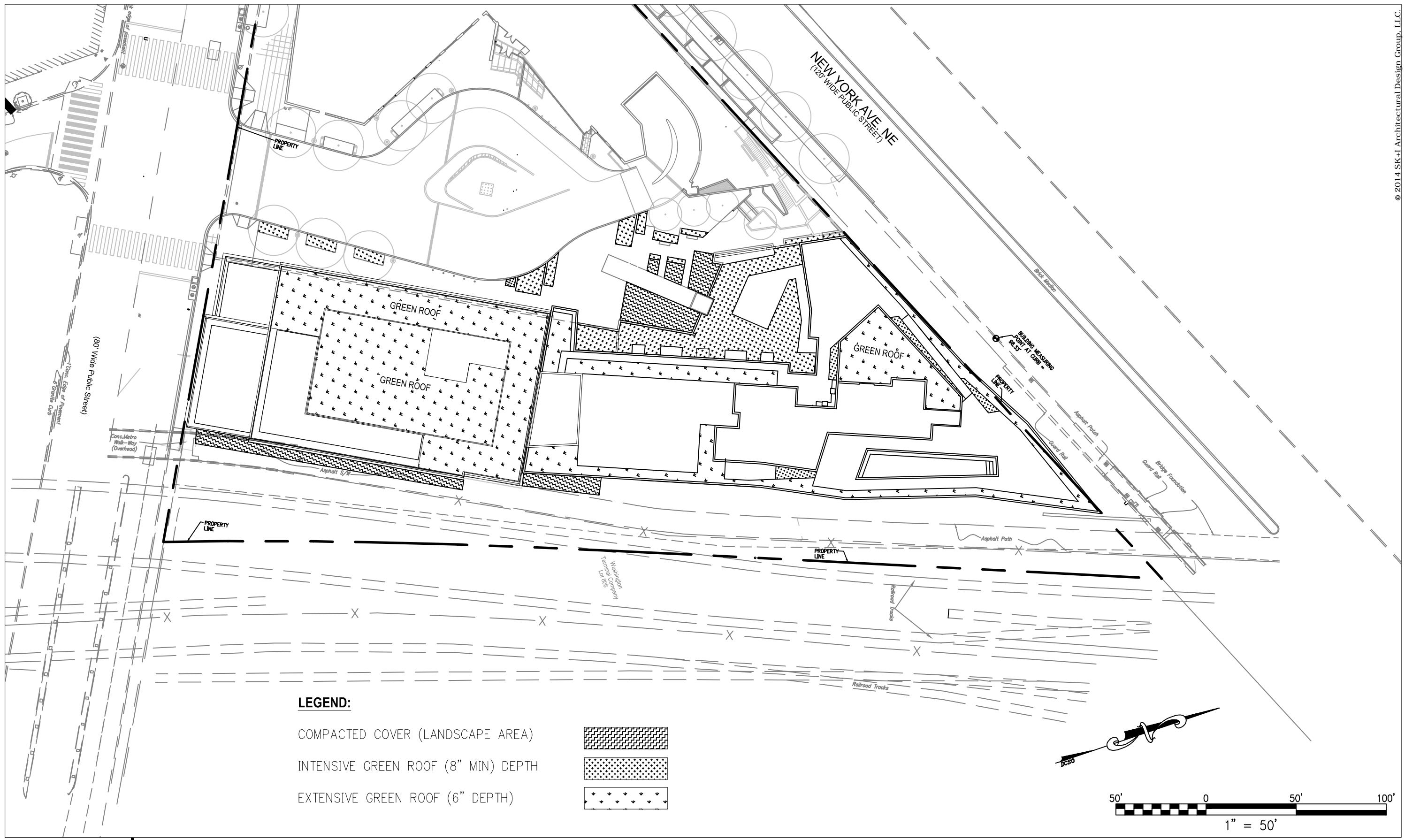
GREEN ROOF NOTE:

FERTILIZER IS NOT RECOMMENDED. IF APPLIED, THE FERTILIZER MUST BE A SLOW RELEASE TYPE, RATHER THAN LIQUID OR GASEOUS FORM.

	Media Depth (INCHES)	Area of Green Roof (SF)	Storage Capacity of Green Roof (CF)	Additional Area Draining to Green Roof (SF)	Maximum Retention Volume To BMP (CF)	Retention Value (CF)
Extensive Green Roof	6	15,539	3,432	-	2,091	2,091
Intensive Green Roof	8	1,866	536	-	251	251
TOTAL		17,405	3,968	-	2,342	2,342

* Site Area and Green Roof Depths and Areas Taken From Oculus GAR Diagram Dated 4/15/16





LEGEND:

- COMPACTED COVER (LANDSCAPE AREA)
- INTENSIVE GREEN ROOF (8" MIN) DEPTH
- EXTENSIVE GREEN ROOF (6" DEPTH)

