

AARON J. OVIDS, P.E.  
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**City of Plattsburgh, NY**

**Downtown Revitalization Initiative: Streetscape and Riverfront Access**

Arts Park

REVISIONS				
NO	DATE	DESCRIPTION	DRAWN	CHK
0	10.26.2020	ISSUE FOR BID	RJM	DMS

SARATOGA ASSOCIATES PROJECT #: 18039.10

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COVER SHEET

**G100**



**SITE PLAN**  
0 15 30 Feet



**LOCATION PLAN**

**CITY OF PLATTSBURGH**

CITY HALL  
41 CITY HALL PLACE  
PLATTSBURGH, NY 12901

**DOWNTOWN REVITALIZATION INITIATIVE:  
STREETSCAPE AND RIVERFRONT ACCESS  
ARTS PARK**

**CONSULTANTS:**  
**LANDSCAPE ARCHITECTURE:**  
SARATOGA ASSOCIATES  
LANDSCAPE ARCHITECTS, ARCHITECTS,  
ENGINEERS AND PLANNERS, P.C.  
21 CONGRESS STREET, SARATOGA SPRINGS,  
NY 12866

**CIVIL ENGINEERING:**  
RMS  
ROBERT M. SUTHERLAND, P.C.  
ENGINEERS, PLANNERS, SURVEYORS, SOIL AND  
MATERIAL TESTING  
11 MACDONOUGH STREET  
PLATTSBURGH, NY 12901  
**SURVEY:**  
KC ENGINEERING AND LAND SURVEYING, P.C.  
56 MAIN STREET  
POUGHKEEPSIE, NY 12601

**LIST OF DRAWINGS**

**GENERAL:**

G100 COVER SHEET

**SURVEY:**

L100 SURVEY OF WESTELCOM PARK

**LANDSCAPE ARCHITECTURE:**

L200 DEMOLITION AND EROSION CONTROL PLAN  
L300 LAYOUT AND MATERIALS PLAN  
L400 GRADING AND DRAINAGE PLAN  
L500 PLANTING PLAN  
L600 SITE DETAILS  
L601 SITE DETAILS  
L602 SPLASH PAD DETAILS

**CIVIL ENGINEERING:**

C100 SITE UTILITY PLAN  
C200 SPLASH PAD ENLARGEMENT PLAN  
C300 UTILITY DETAILS

- ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN BASED ON AVAILABLE RECORD MAPS. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST. CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES WITH THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROCEED WITH CARE IN EXECUTING THE WORK. CONTACT U.F.P.O. 48 HOURS BEFORE DIGGING AT 1-800-962-7962.
- ANY EXISTING UNDERGROUND UTILITIES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE RESTORED TO ORIGINAL CONDITION IN CONFORMANCE WITH THE AGENCY HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT EXISTING UTILITIES WILL NOT BE DAMAGED DURING THE COURSE OF NEW CONSTRUCTION. DAMAGED UTILITIES SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS THAT VARY FROM THE PLANS.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING HIS WORK IN A SAFE MANNER. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE O.S.H.A REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC TRAFFIC IN A SAFE AND EFFICIENT MANNER AT ALL TIMES DURING THE CONSTRUCTION PERIOD. PROVIDE FENCING, SIGNS, FLAGMEN AND OTHER FACILITIES AS NECESSARY.
- ALL UNUSABLE EXCESS MATERIALS AND UNSUITABLE SOILS AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.

This project is funded by a Streetscapes grant administered by the New York State Department of State through the City of Plattsburgh Downtown Revitalization Initiative.

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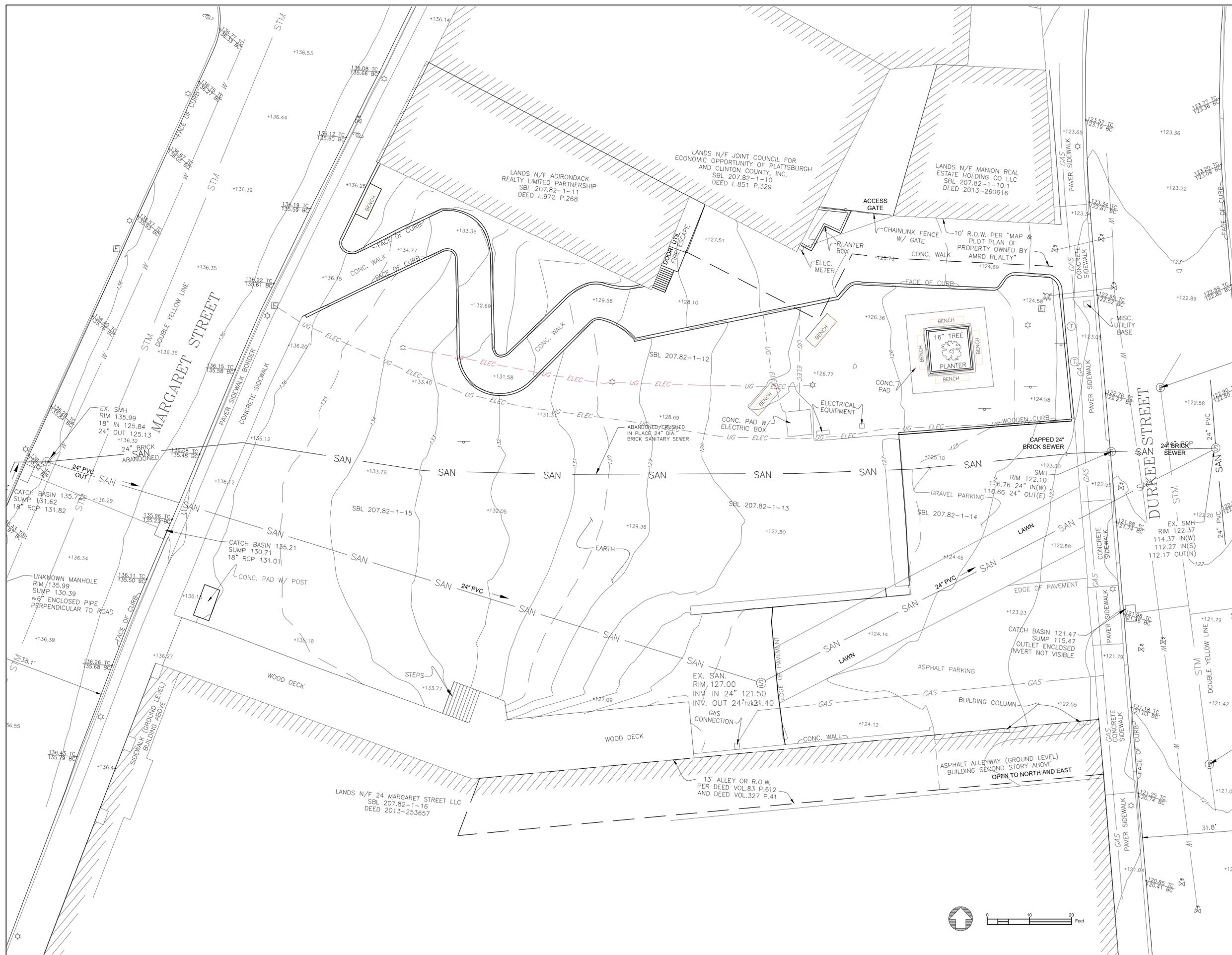
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Existing  
Conditions  
Plan

**L100**



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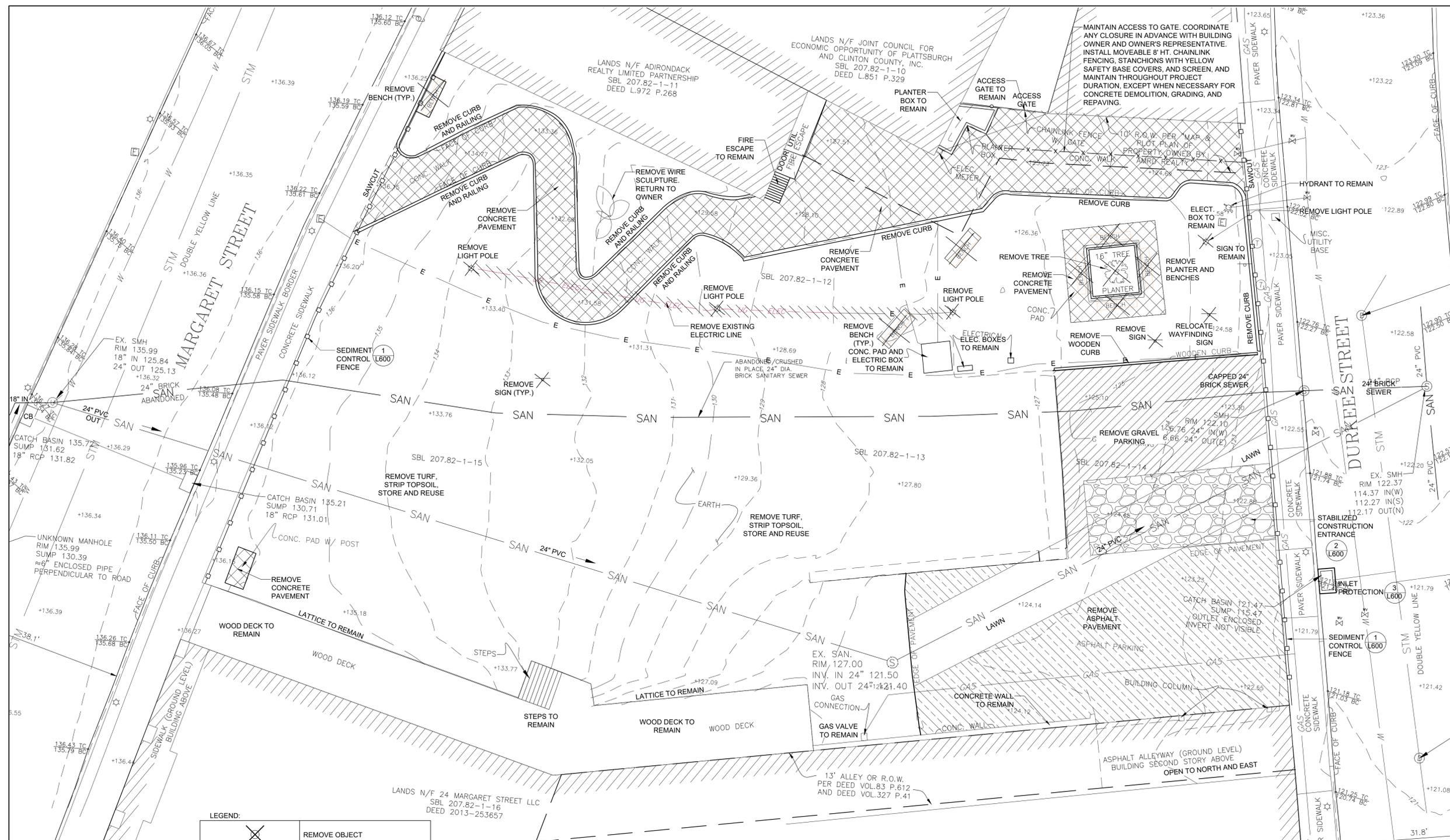
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DEMOLITION AND  
EROSION  
CONTROL PLAN

**L200**



LEGEND:

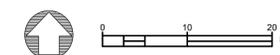
	REMOVE OBJECT
	REMOVE ASPHALT PAVEMENT
	REMOVE GRAVEL SURFACE
	REMOVE CONCRETE PAVEMENT
	SEDIMENT CONTROL FENCE (1) L600
	STABILIZED CONSTRUCTION ENTRANCE (2) L600
	INLET PROTECTION (3) L600

DEMOLITION NOTES:

- THIS DRAWING IS BASED ON A SURVEY OF WESTLCOB PARK, DATED 01-25-2019, PREPARED BY KC ENGINEERING AND LAND SURVEYING, P.C.
- PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS. CALL 1-800-962-7962 OR VISIT WWW.DIGSAFEINNEWYORK.COM FOR MORE INFORMATION.
- THE CONTRACTOR SHALL EXERCISE CARE DURING ALL REMOVAL OPERATIONS TO ENSURE THE PROTECTION OF EXISTING FACILITIES TO REMAIN. DAMAGED FACILITIES INTENDED TO REMAIN SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- CONTACT CITY DPW IF ANY UNIDENTIFIED UTILITIES ARE ENCOUNTERED DURING SANITARY PIPE REMOVAL. ANY UNIDENTIFIED PIPING SHOULD BE TIED INTO SANITARY OR STORM LINES AS RECOMMENDED BY CITY DPW.
- THE CONTRACTOR SHALL VERIFY WITH THE OWNER ANY ITEMS INDICATED TO BE REMOVED THAT WILL BE SALVAGED. DELIVER SALVAGED MATERIALS TO A STORAGE AREA DESIGNATED BY THE OWNER.
- PHASED ROAD CLOSURE FOR SANITARY WORK WITHIN MARGARET AND DURKEE STREETS TO BE COORDINATED WITH CITY DPW.

EROSION CONTROL NOTES:

- ANY DISTURBED AREAS THAT ARE LEFT EXPOSED MORE THAN 14 DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE A TEMPORARY MULCHING AND/OR SEEDING IF ESTABLISHING THE PERMANENT COVER IS NOT FEASIBLE. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY SEEDING COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL.
- EXISTING PAVED ROADWAYS AND PARKING LOTS SHALL BE KEPT CLEAN AT ALL TIMES.
- DUST CONTROL - WATER SHALL BE APPLIED BY SPRINKLER OR WATER TRUCK DURING CONSTRUCTION OPERATIONS TO MINIMIZE SEDIMENT TRANSPORT AND MAINTAIN ACCEPTABLE AIR QUALITY CONDITIONS. REPETITIVE TREATMENTS SHALL BE DONE AS NEEDED UNTIL THE SITE IS STABILIZED.
- THE CONTRACTOR SHALL INSPECT THE EFFECTIVENESS AND CONDITION OF EROSION CONTROL DEVICES DURING STORM EVENTS, AFTER EACH RAINFALL OF 0.5 INCH MAGNITUDE OR GREATER, PRIOR TO WEEKENDS AND PRIOR TO FORECASTED STORM EVENTS.
- THE CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED EROSION CONTROL DEVICES IMMEDIATELY OR AS SOON AS PRACTICAL.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED AND THE FINAL INSPECTION HAS BEEN PERFORMED BY THE OWNER'S REPRESENTATIVE, REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.



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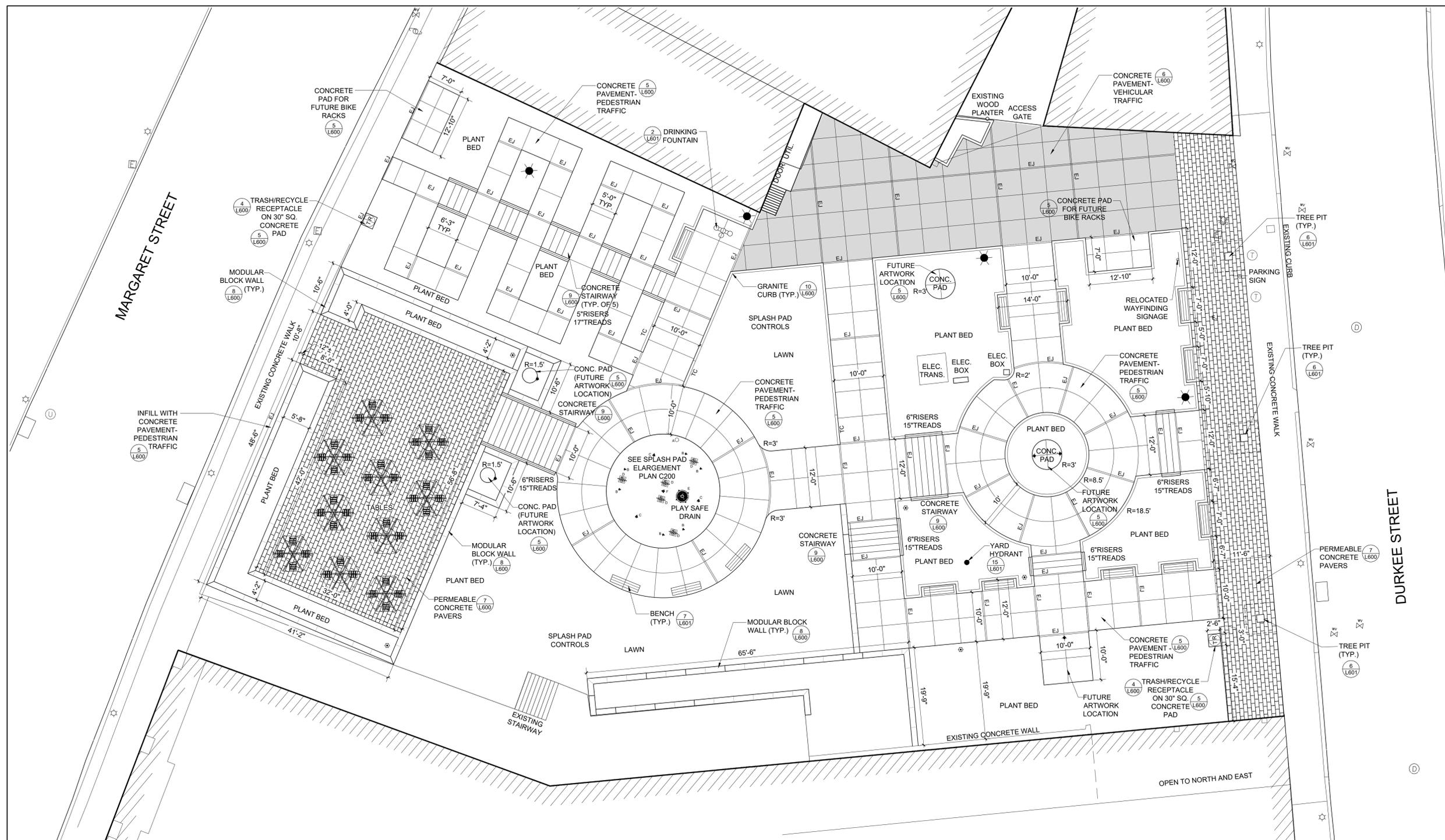
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LAYOUT AND MATERIALS PLAN

**L300**

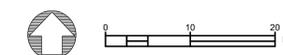


**LAYOUT NOTES**

1. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
2. THE CONTRACTOR SHALL STAKE OUT ALL WORK IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION AND NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES.
3. ALL DIMENSIONS SHALL BE FROM THE FACE OF EDGING, CURBS, OR WALLS UNLESS OTHERWISE NOTED.
4. ALL NEW PAVEMENTS AND CURBS SHALL MEET EXISTING PAVEMENTS AND CURBS WITH A SMOOTH TRANSITION AND FLUSH JOINT.
5. THE CONTRACTOR SHALL PROVIDE A 1.5% CROSS SLOPE ON ALL CONCRETE WALKS CONFORMING TO ADA REQUIREMENTS.
6. THE CONTRACTOR SHALL PROVIDE WARNING CONES AND BARRICADES AS REQUIRED TO PROTECT THE PUBLIC FROM CONSTRUCTION OPERATIONS.
7. SUCCESSFUL LOW BIDDER WILL BE PROVIDED A CAD FILE FOR LAYOUT PURPOSES.

**LEGEND**

SYMBOL	DESCRIPTION
	CONCRETE PAVEMENT-PEDESTRIAN TRAFFIC (EXP. JTS.) (5) L600
	CONCRETE PAVEMENT-VEHICULAR TRAFFIC (6) L600
	PERMEABLE CONCRETE PAVERS (7) L600
	MODULAR BLOCK WALL (8) L600
	GRANITE CURB (10) L600
	GRANITE TRANSITION CURB (10) L600
	BENCH (7) L601



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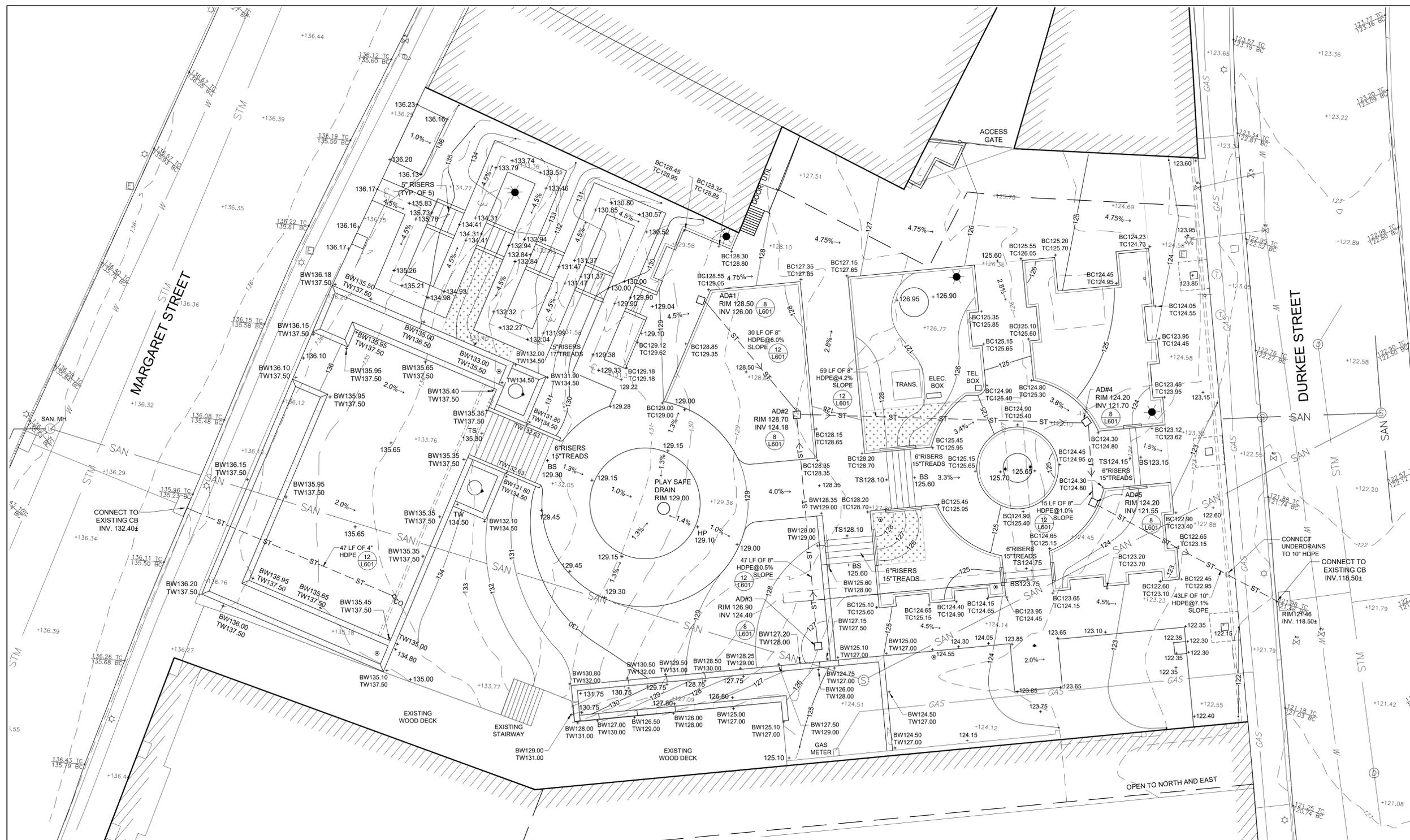
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GRADING AND DRAINAGE PLAN

**L400**

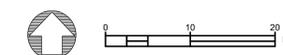


**GRADING AND DRAINAGE NOTES**

- PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
- THE CONTRACTOR SHALL STAKE OUT ALL GRADES IN THE FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL GRADE THE SITE TO PROVIDE POSITIVE DRAINAGE TO CATCH BASINS AND STORM WATER FACILITIES.
- ALL DRAINAGE INLETS SHALL BE SET AT THE LOW POINT WITHIN THE SURROUNDING AREA AND RECEIVE INLET PROTECTION DURING CONSTRUCTION IN ACCORDANCE WITH THE DETAIL.
- TRANSITIONS FROM ALL NEW PAVEMENTS TO EXISTING PAVEMENTS SHALL BE SMOOTH AND FLUSH. SIDEWALK CROSS-SLOPES SHALL NOT EXCEED 2% IN ACCORDANCE WITH ADA STANDARDS. DIRECTION-OF-TRAVEL SLOPES SHALL NOT EXCEED 4.75%.

**GRADING LEGEND**

— 478 —	EXISTING CONTOUR LINE
— 125 —	PROPOSED CONTOUR LINE
+ 124.55	PROPOSED SPOT ELEVATIONS
+ BC124.30	BOTTOM/TOP OF CURB
+ TC124.80	BOTTOM/TOP OF WALL
+ BW124.30	BOTTOM/TOP OF WALL
+ TW124.80	BOTTOM/TOP OF WALL
4.5% →	DIRECTION OF SURFACE FLOW AND SLOPE
□	12" AREA DRAIN (8 L601)
— ST —	STORM SEWER (12 L601)
CO O	STORM SEWER CLEANOUT (13 L601)
[Pattern]	SLOPE STABILIZATION (14 L601)



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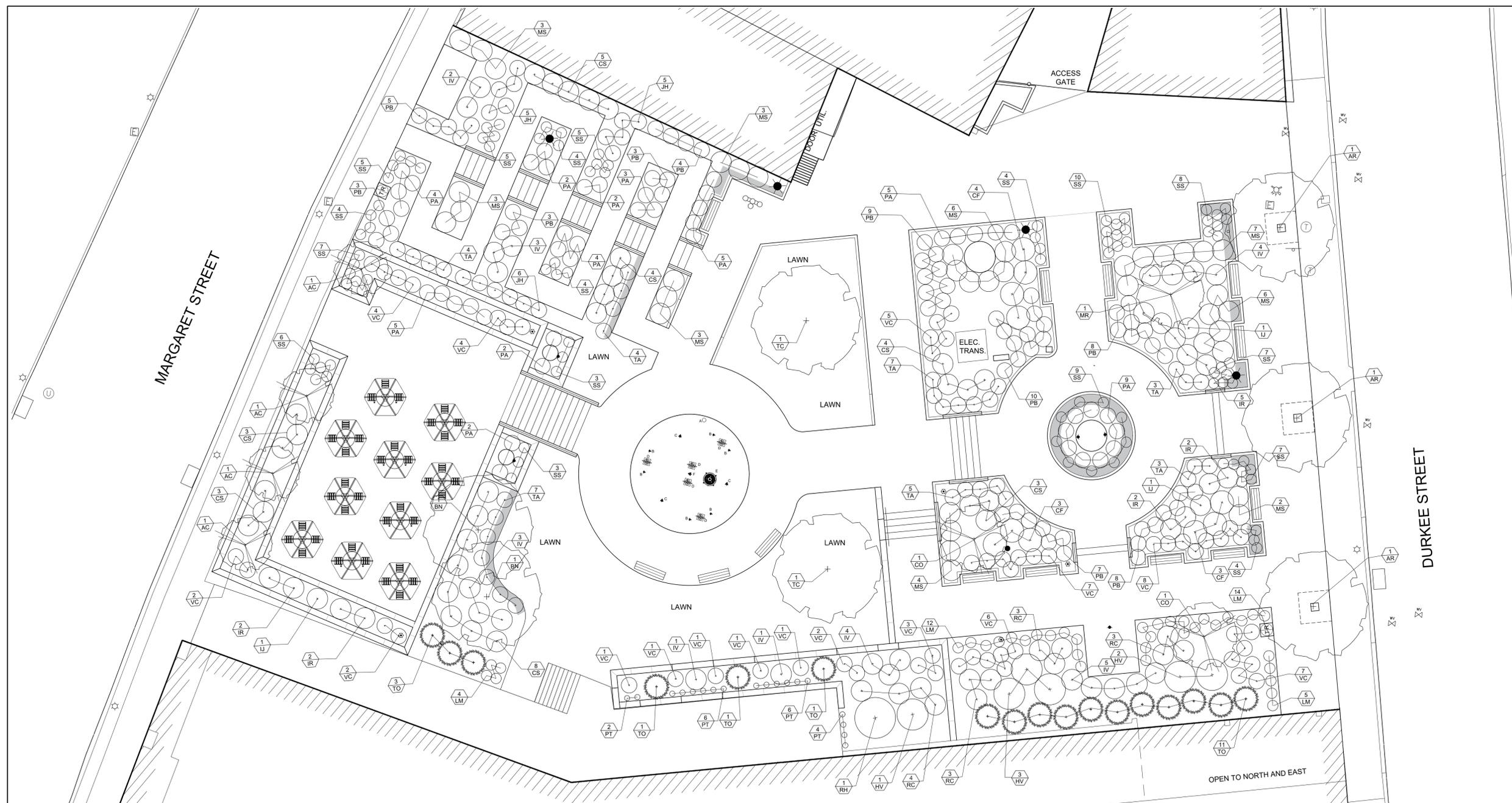
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Downtown Revitalization  
Initiative: Streetscape and  
Riverfront Access

Arts Park



**PLANTING LIST**

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTE
<b>DECIDUOUS TREES</b>						
AR	3	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	2.5-3" DBH	B&B	HEAVY
AC	4	AMELANCHIER CANADENSIS	SERVICEBERRY	7-8" HGT	B&B	HEAVY CLUMP
BN	2	BETULA NIGRA 'HERITAGE'	RIVER BIRCH	7-8" HGT	B&B	HEAVY CLUMP
CO	2	CORNUS FLORIDA 'CHEROKEE CHIEF'	FLOWERING DOGWOOD	7-8" HGT	B&B	HEAVY
MR	1	MALUS SPP. 'ROYAL RAINDROPS'	FLOWERING CRABAPPLE	7-8" HGT	B&B	HEAVY
TC	2	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2.5-3" DBH	B&B	HEAVY
<b>EVERGREEN TREES</b>						
TO	17	THUJA OCCIDENTALIS 'NIGRA'	DARK AMERICAN ARBORVITAE	6-7" HGT	B&B	HEAVY
<b>SHRUBS</b>						
CS	34	CORNUS SANGUINEA 'MIDWINTER FIRE'	BLOODTWIG DOGWOOD	24-30" HGT	#3 CONT	3' O.C.
CF	10	CALYCANTHUS FLORIDUS 'APHRODITE'	CAROLINA ALLSPICE	36-48" HGT	#5 CONT	5' O.C.
HV	6	HAMAMELIS VIRGINIANA 'LITTLE SUZY'	COMMON WITCHHAZEL	36-48" HGT	#5 CONT	5' O.C.
IJ	3	ILEX VERTICILLATA 'JIM DANDY'	WINTERBERRY (MALE)	24-36" HGT	#3 CONT	4' O.C.
IR	13	ILEX VERTICILLATA 'RED SPRITE'	WINTERBERRY (FEMALE - EARLY)	24-36" HGT	#3 CONT	4' O.C.
IV	23	ITEA VIRGINICA 'HENRY'S GARNET'	SWEETSPIRE	24-36" HT	#3 CONT	4' O.C.
JH	15	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP JUNIPER	#2	CONT	3' O.C.
RC	13	RHODODENDRON MAXIMUM 'COMPACTUM'	COMPACT WHITE RHODO.	24-36" HT	#3 CONT	4' O.C.
RR	1	RHODODENDRON MAXIMUM 'ROSEUM'	PINK RHODO.	48-60" HGT.	#5	HEAVY
TA	32	THUJA OCCIDENTALIS 'AUREA'	GOLD DWARF ARBORVITAE	18-24" HGT	#3 CONT	3' O.C.
VC	55	VIBURNUM CARLESII 'COMPACTUM'	COMPACT FRAGRANT VIBURNUM	24-30" HGT	#3 CONT	3' O.C.

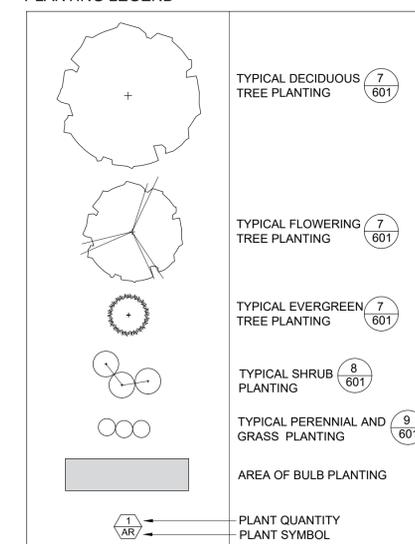
**PLANTING LIST (CONT'D)**

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTE
<b>PERENNIALS, GRASSES, AND VINES</b>						
LM	35	LIRIOPE MUSCARI 'BIG BLUE'	LILYTURF	#1	CONT.	30" O.C.
MS	37	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT MAIDEN GRASS	#2	CONT.	48" O.C.
PA	43	PENNISSETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	#2	CONT.	36" O.C.
PB	64	PEROVSKIA ATRIPLICIFOLIA 'BLUE JEAN BABY'	COMPACT RUSSIAN SAGE	#3	CONT.	48" O.C.
PT	18	PARTHENOCISSUS TRICUSPIDATA	BOSTON IVY	1 QT	CONT.	24" O.C.
SS	95	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY STONECROP	#1	CONT.	24" O.C.
<b>BULBS</b>						
MB	600	MIXED BULBS	TULIPS, DAFFODILS, ALLIUM MIX	BULBS		8" O.C.

**PLANTING NOTES**

1. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO COMMENCING PLANTING WORK AND NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF CONDITIONS DETRIMENTAL TO NEW AND EXISTING PLANT MATERIAL ARE ENCOUNTERED.
2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
3. THE CONTRACTOR SHALL STAKE LOCATIONS OF ALL PLANT MATERIALS PRIOR TO INSTALLATION. NOTIFY THE OWNER'S REPRESENTATIVE WHEN STAKING IS COMPLETE, TO DETERMINE FINAL LOCATIONS.
4. ALL PLANT BEDS AND TREE PITS SHALL RECEIVE 4" OF SHREDDED BARK MULCH.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL 4" DEPTH OF TOPSOIL AND SEED LAWN AREAS AND ALL AREAS DISTURBED AS A RESULT OF NEW CONSTRUCTION.

**PLANTING LEGEND**



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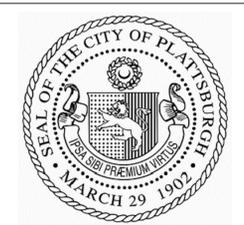
PLANTING PLAN

**L500**

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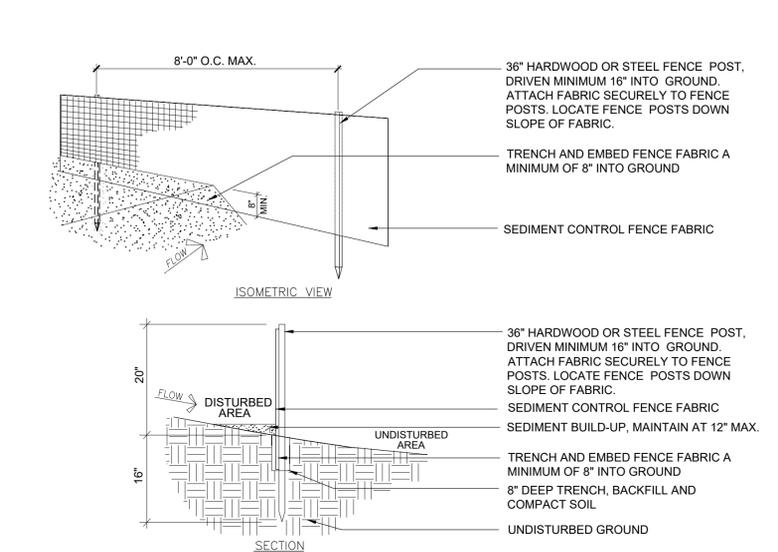
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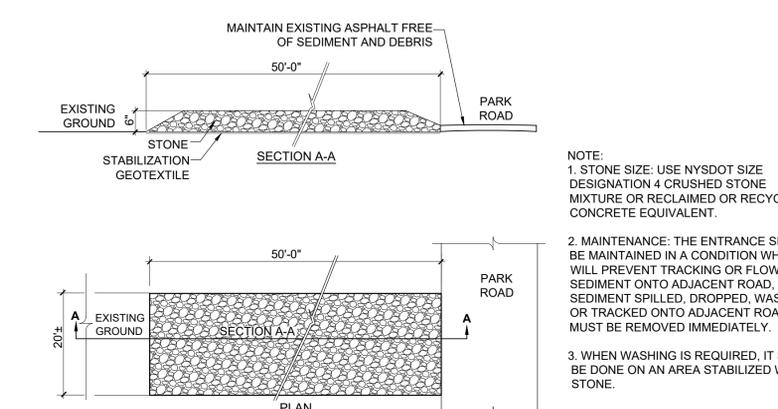
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SITE DETAILS

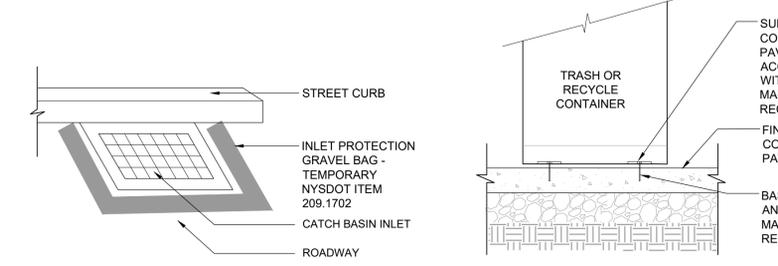
**L600**



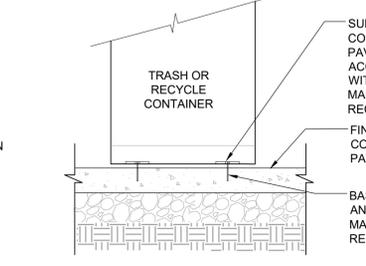
**1 SEDIMENT CONTROL FENCE**  
NOT TO SCALE



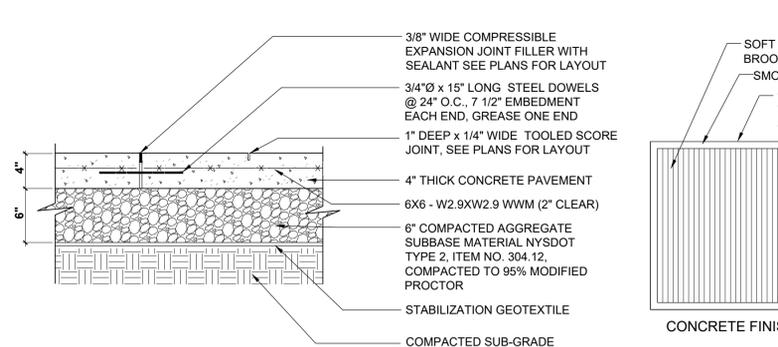
**2 STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



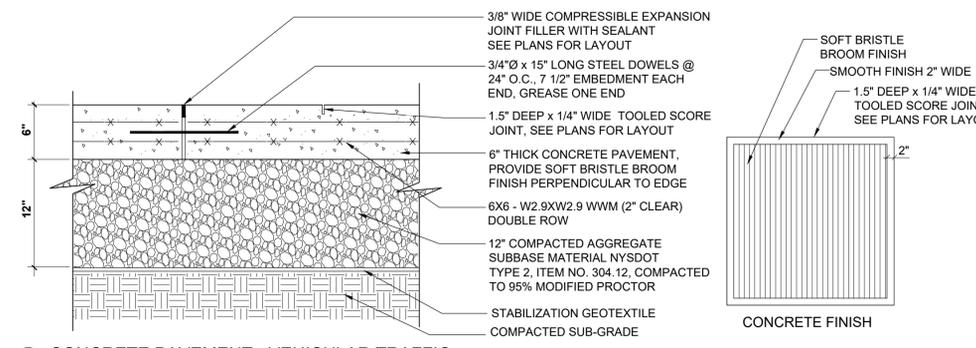
**3 INLET PROTECTION**  
NOT TO SCALE



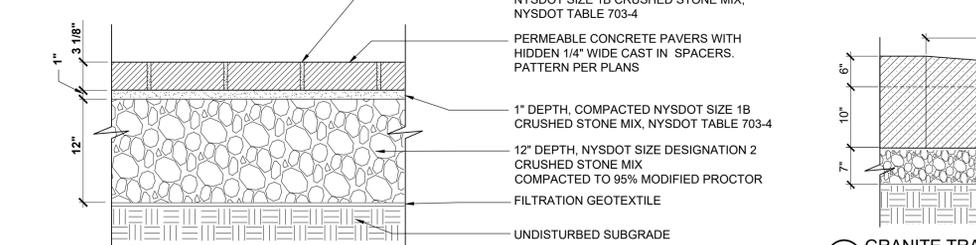
**4 TRASH/RECYCLE RECEPTACLE**  
NOT TO SCALE



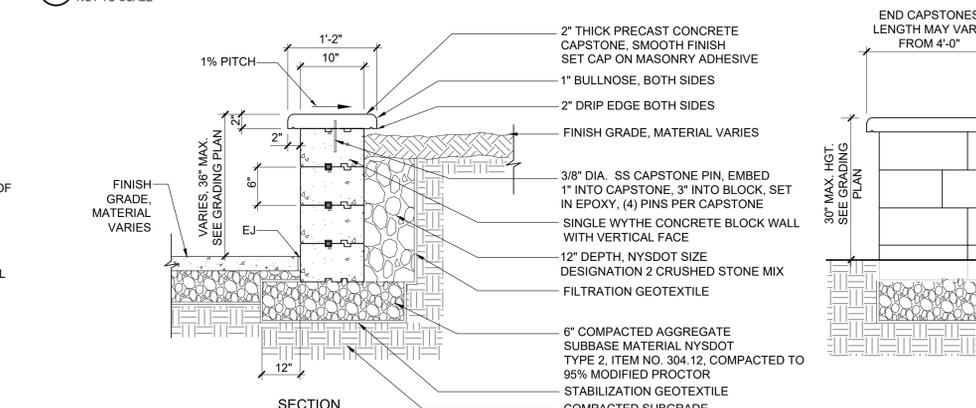
**5 CONCRETE PAVEMENT - PEDESTRIAN TRAFFIC**  
NOT TO SCALE



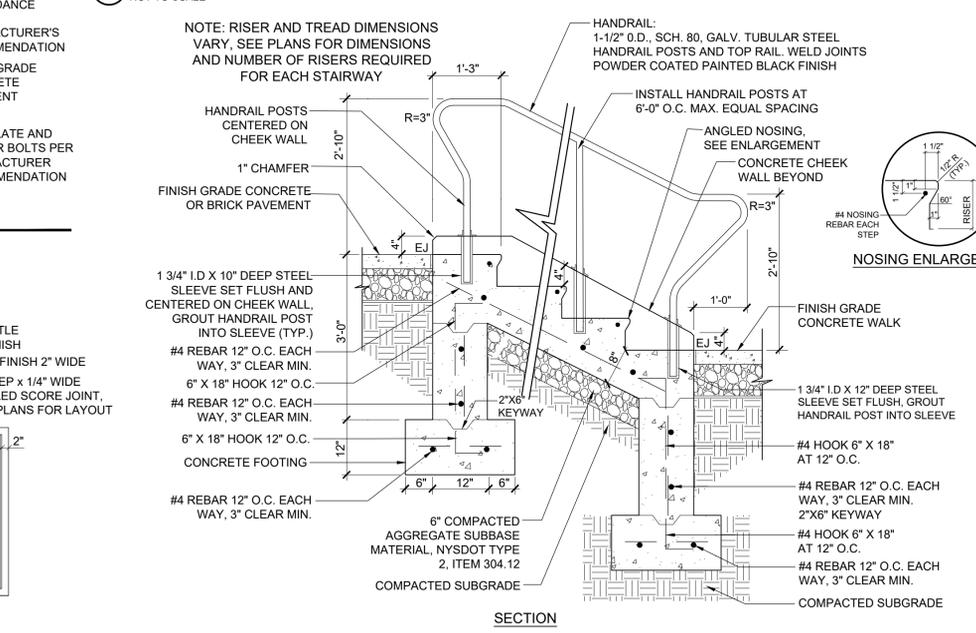
**6 CONCRETE PAVEMENT - VEHICULAR TRAFFIC**  
NOT TO SCALE



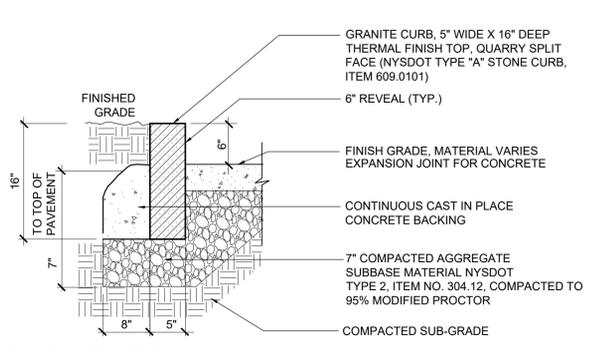
**7 PERMEABLE CONCRETE PAVERS**  
NOT TO SCALE



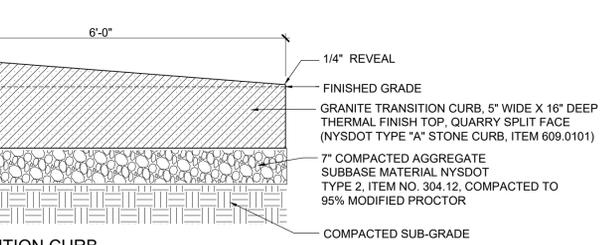
**8 MODULAR BLOCK WALL**  
NOT TO SCALE



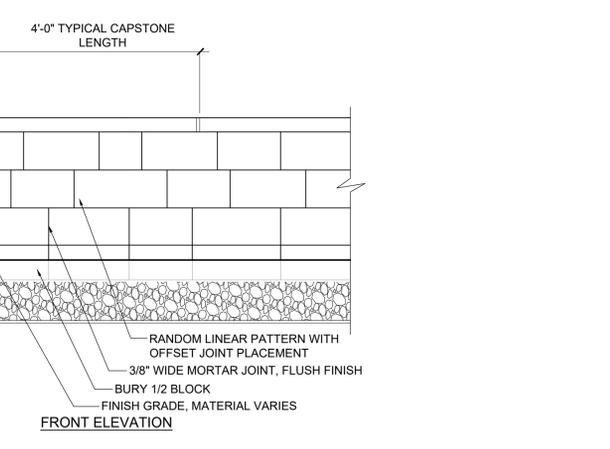
**9 CONCRETE STAIRWAY**  
NOT TO SCALE



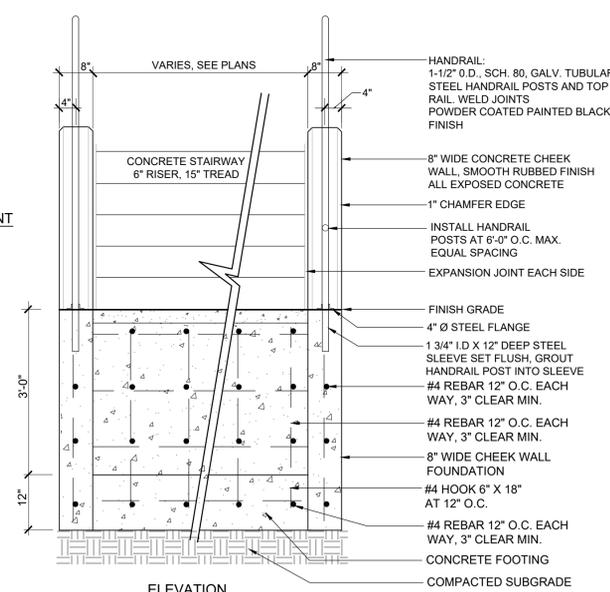
**10 GRANITE CURB**  
NOT TO SCALE



**11 GRANITE TRANSITION CURB**  
NOT TO SCALE



**FRONT ELEVATION**

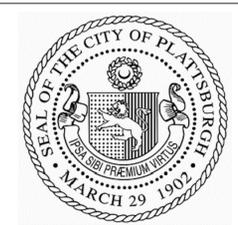


**ELEVATION**

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PRESIDENT

**RMS**

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City of Plattsburgh, NY

**Downtown Revitalization Initiative: Streetscape and Riverfront Access**

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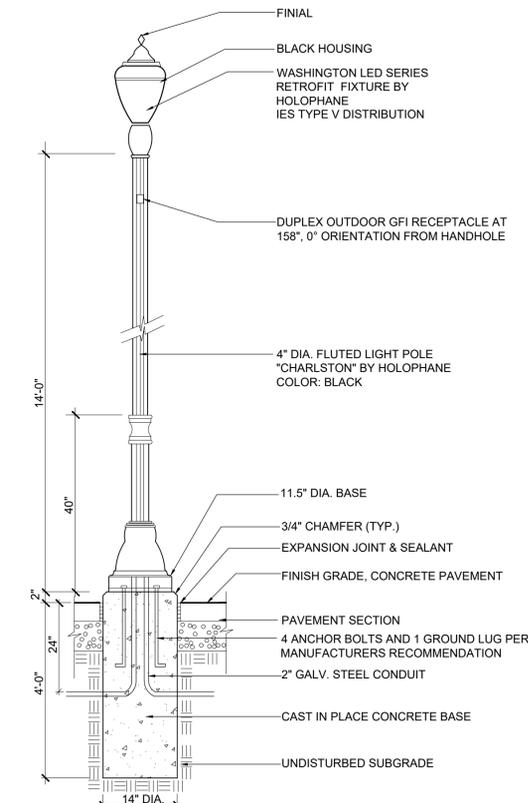
SARATOGA ASSOCIATES PROJECT #: 18039.10

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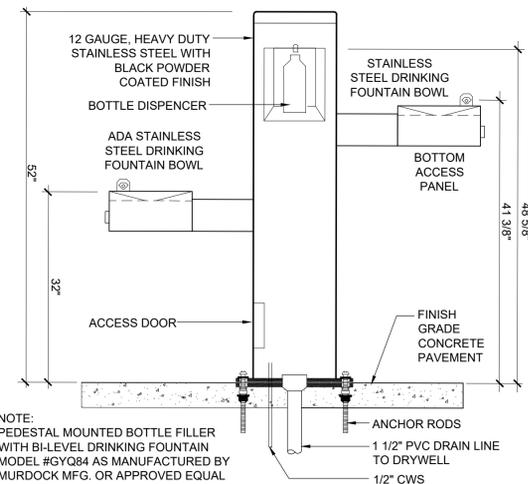


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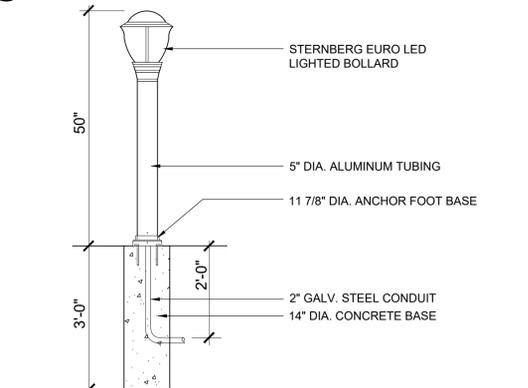
SITE DETAILS **L601**



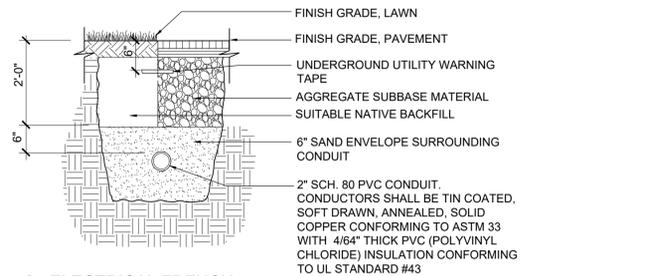
**1 SITE LIGHTING**  
NOT TO SCALE



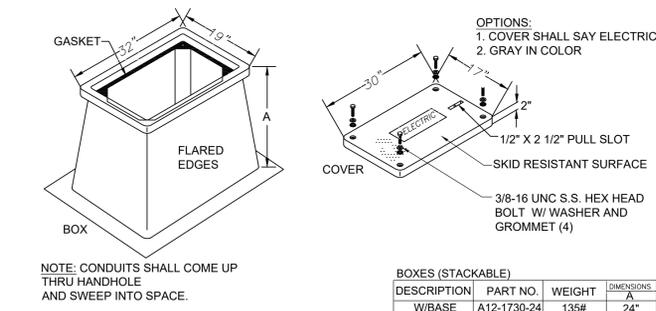
**2 DRINKING FOUNTAIN**  
NOT TO SCALE



**3 BOLLARD LIGHT**  
NOT TO SCALE



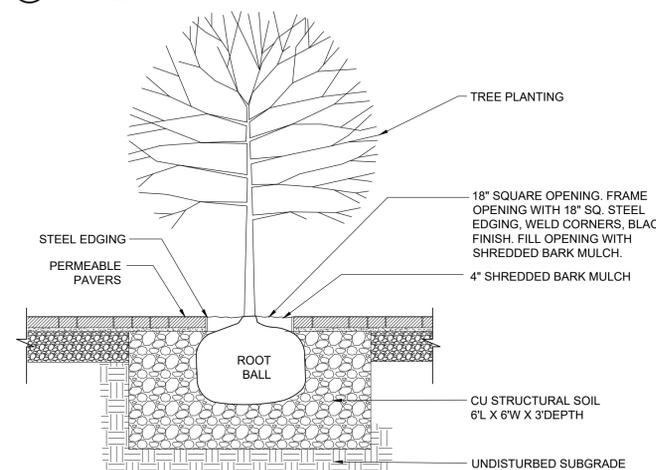
**4 ELECTRICAL TRENCH**  
NOT TO SCALE



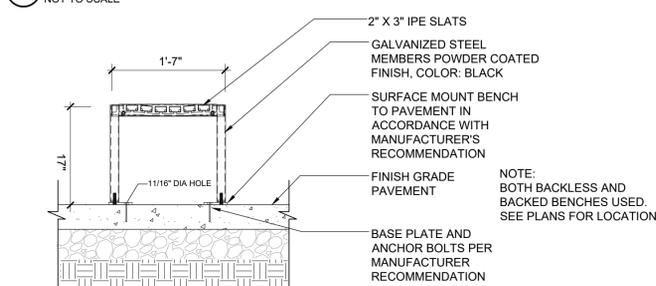
**5 HAND HOLE**  
NOT TO SCALE

BOXES (STACKABLE)

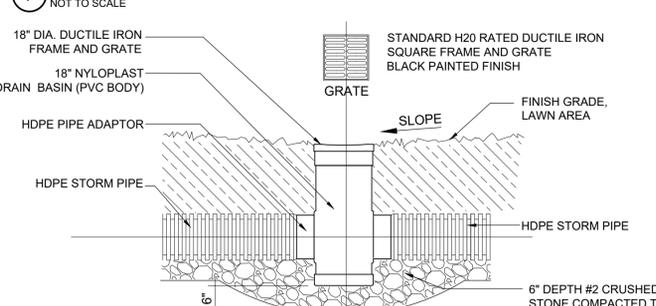
DESCRIPTION	PART NO.	WEIGHT	DIMENSIONS
W/BASE	A12-1730-24	135#	24"



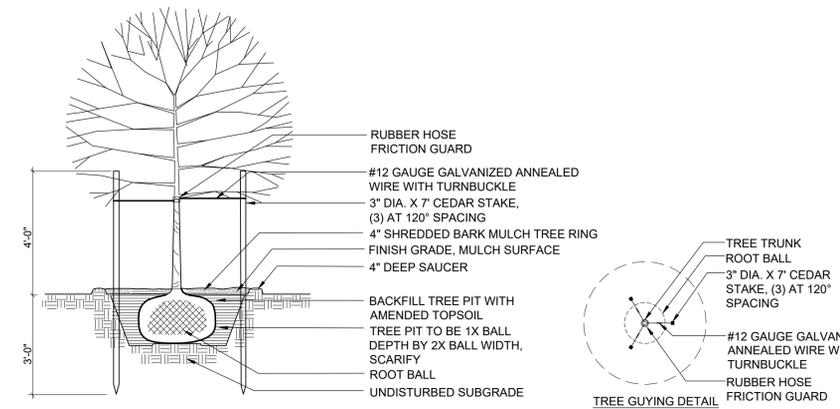
**6 TREE PIT**  
NOT TO SCALE



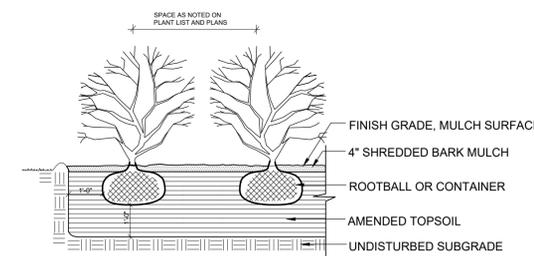
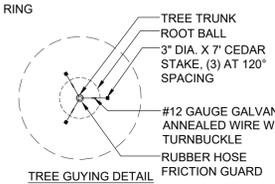
**7 BENCH**  
NOT TO SCALE



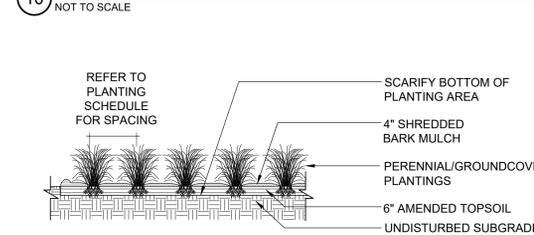
**8 AREA DRAIN**  
NOT TO SCALE



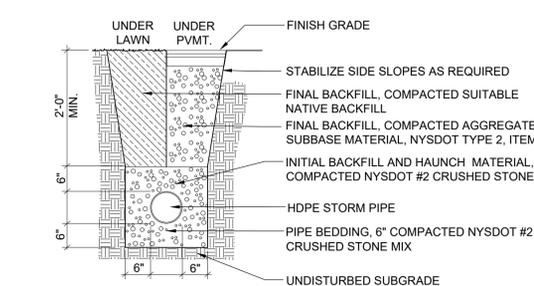
**9 TYPICAL DECIDUOUS TREE PLANTING**  
NOT TO SCALE



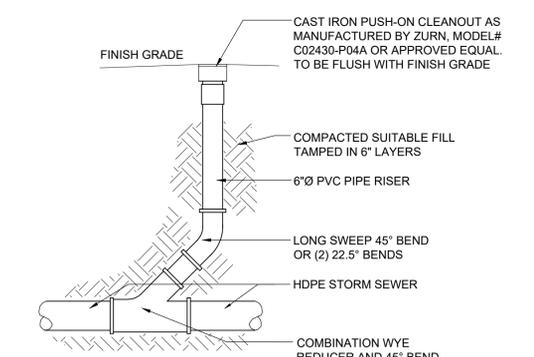
**10 TYPICAL SHRUB PLANTING**  
NOT TO SCALE



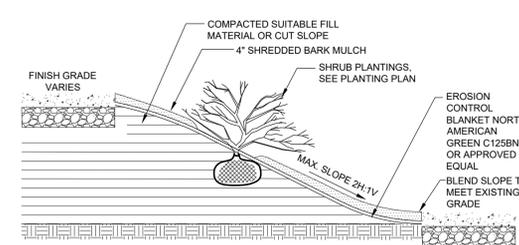
**11 TYPICAL PERENNIAL/GROUNDCOVER PLANTING**  
NOT TO SCALE



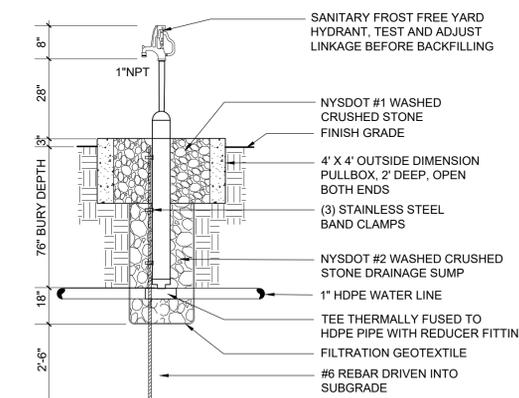
**12 STORM SEWER PIPE TRENCH**  
NOT TO SCALE



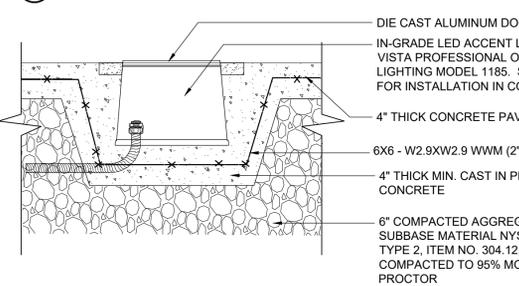
**13 CLEAN OUT**  
NOT TO SCALE



**14 SLOPE STABILIZATION**  
NOT TO SCALE



**15 FROST FREE YARD HYDRANT**  
NOT TO SCALE

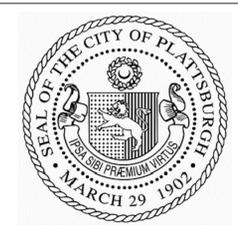


**16 LED IN-GRADE LIGHTS**  
NOT TO SCALE

AARON J. OVIDS, P.E.  
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City of Plattsburgh, NY

**Downtown Revitalization Initiative: Streetscape and Riverfront Access**

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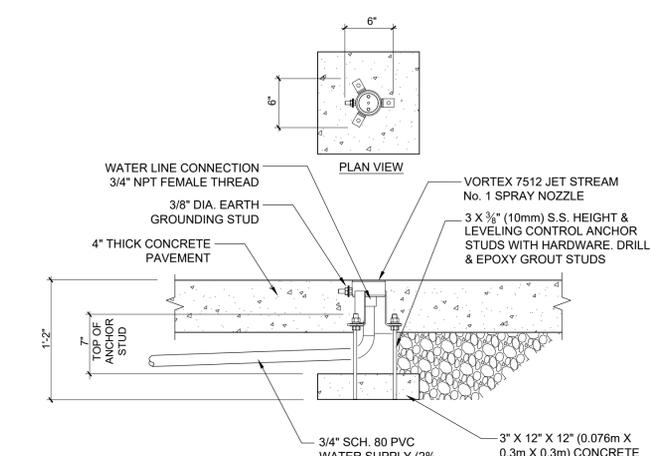
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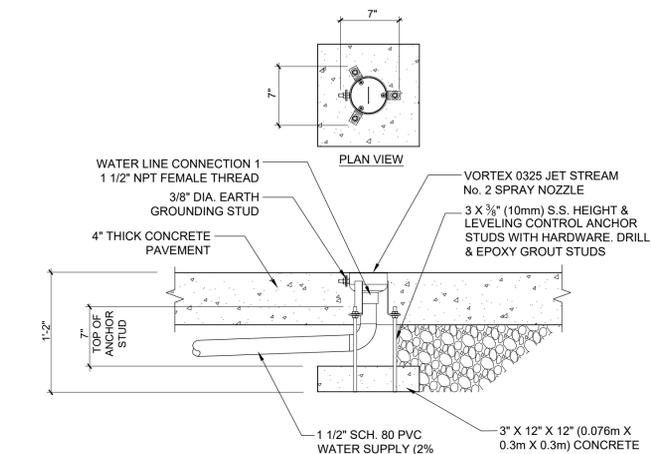
DATE: 10.26.2020  
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SPLASH PAD  
DETAILS

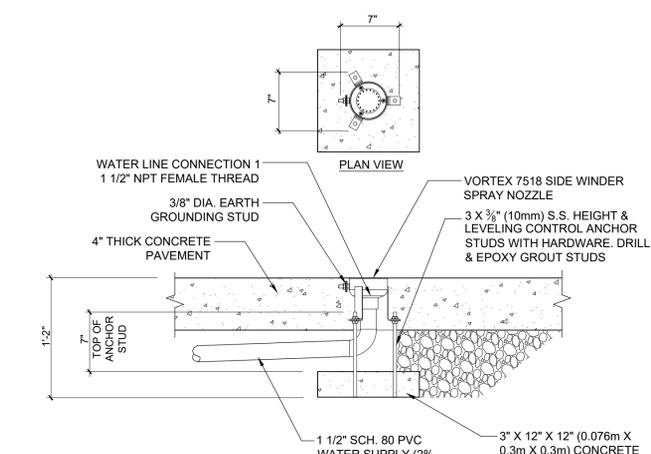
**L602**



**1 JET STREAM No. 1**  
NOT TO SCALE



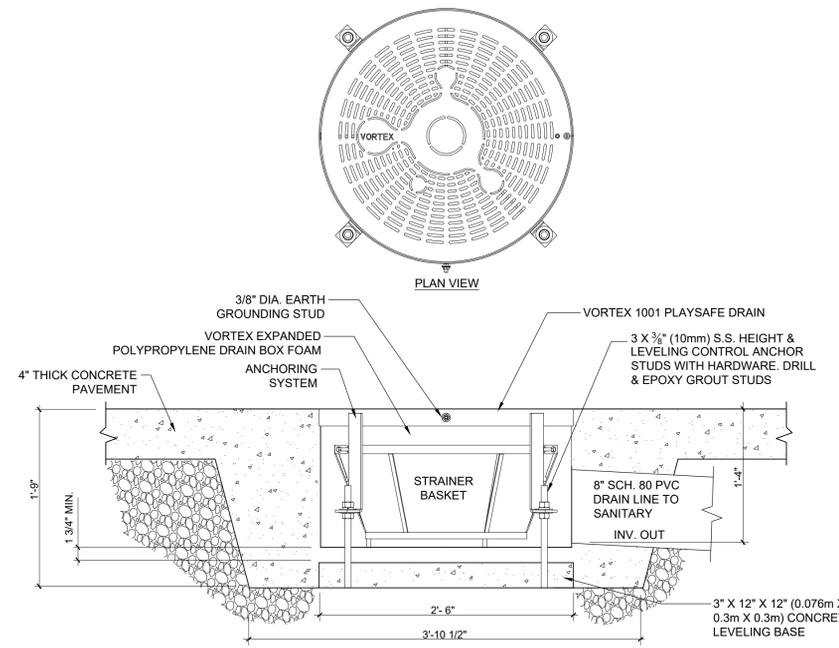
**2 JET STREAM No. 2**  
NOT TO SCALE



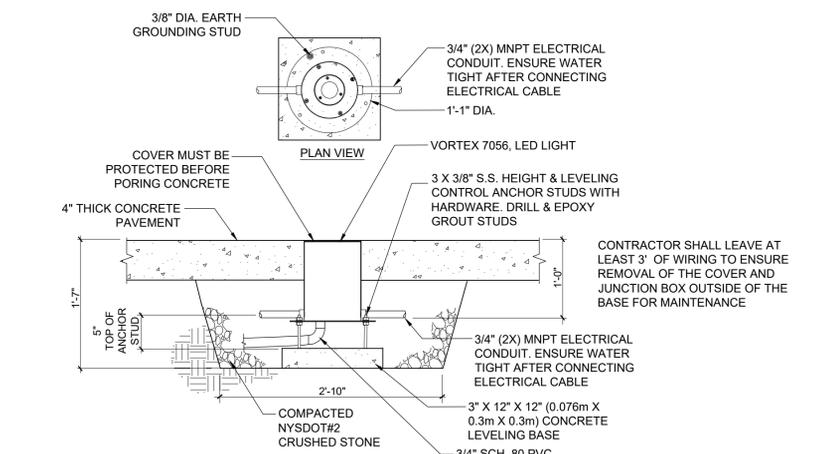
**3 SIDE WINDER**  
NOT TO SCALE

EQUIPMENT AND INSTRUMENTS LIST				
ITEM	ITEM	PROVIDED BY	DESCRIPTION	QTY
A	CABINET	VORTEX	ALUMINUM EQUIPMENT CABINET FEATURING CONTROLLER READY LOCATION SEE PRODUCT SPECIFICATION SHEET FOR MORE DETAILED INFORMATION	1
B	WATER DISTRIBUTION MANIFOLD	VORTEX	PRE-ASSEMBLED AND WIRED UP TO 10 VALVES PAINTED STAINLESS STEEL MANIFOLD	1
C	CHASSIS	VORTEX	GALVANIZED STEEL CHASSIS SUPPORTING THE MANIFOLD ASSEMBLY	1
D	PRESSURE GAUGE	VORTEX	SEE PRODUCT SPECIFICATION SHEET	1

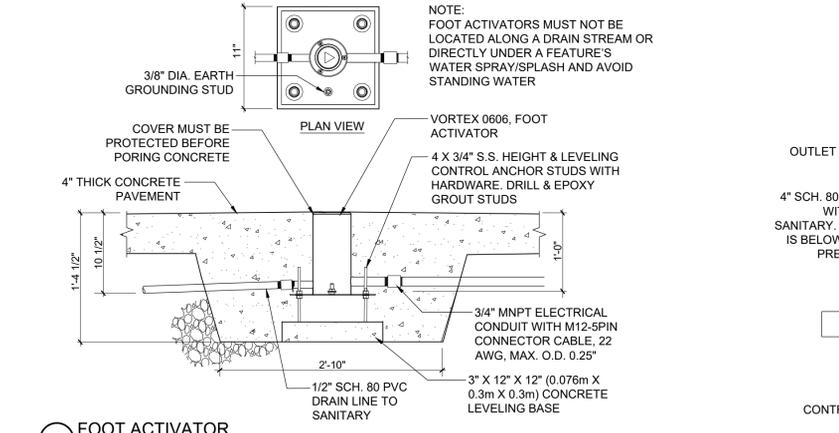
**4 CONTROL CABINET EQUIPMENT LIST**  
NOT TO SCALE



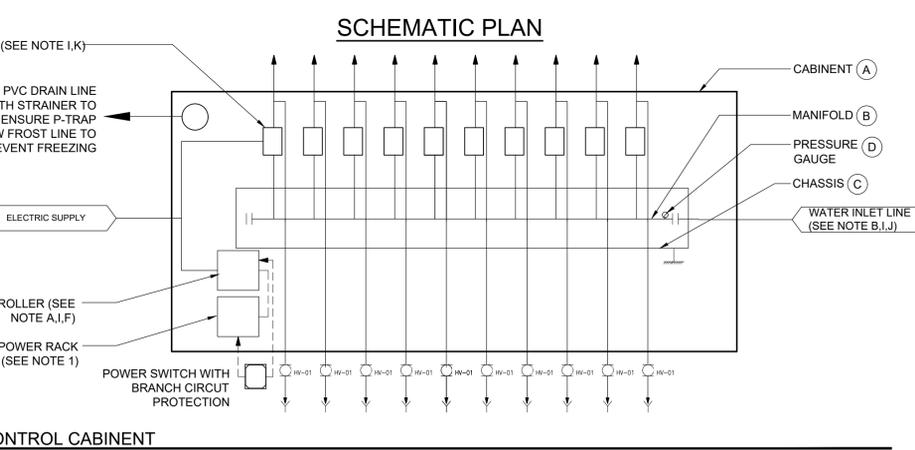
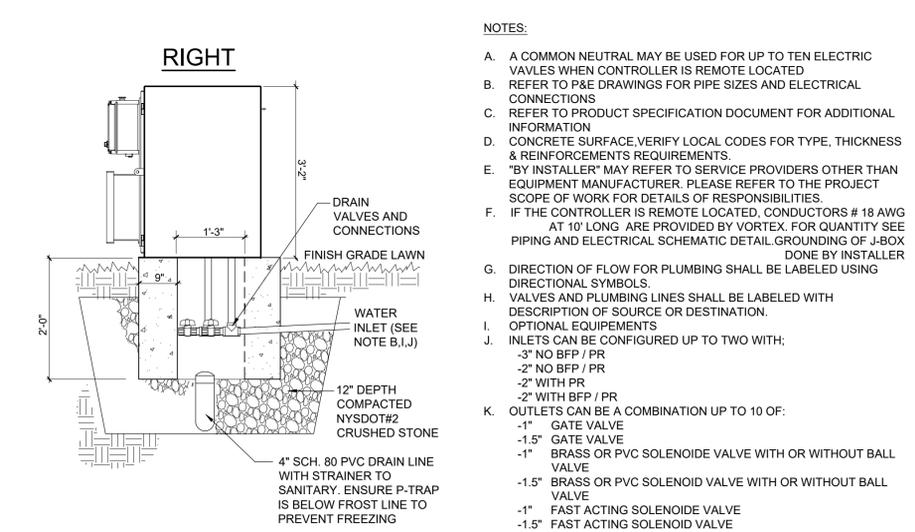
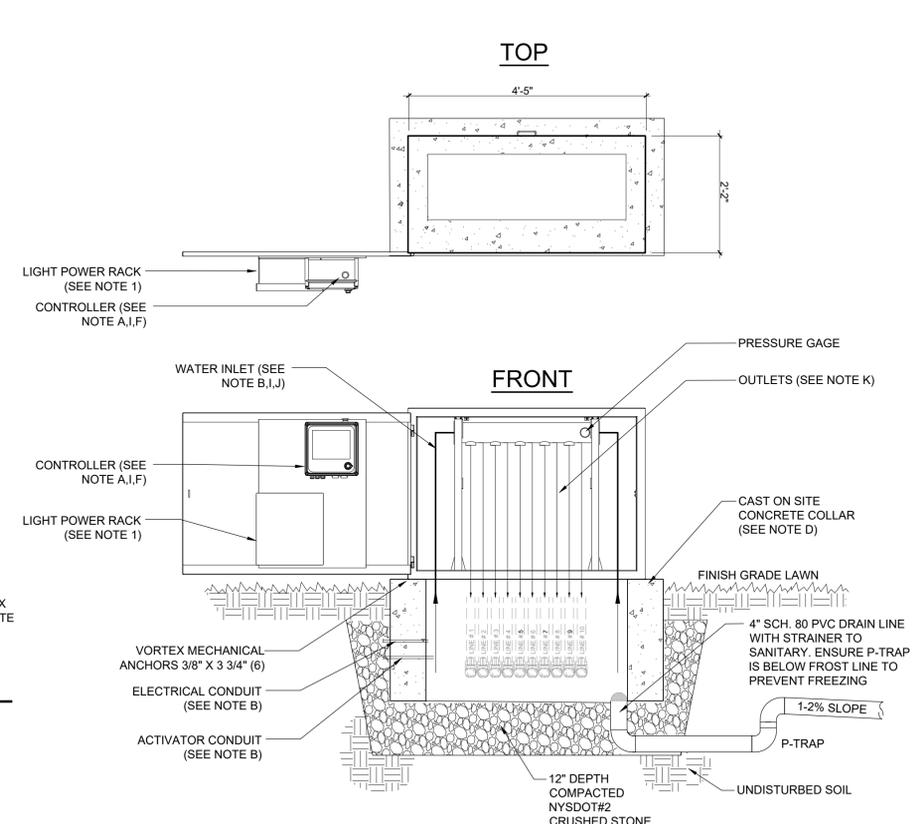
**5 PLAYSAFE DRAIN**  
NOT TO SCALE



**6 LED LIGHT**  
NOT TO SCALE



**7 FOOT ACTIVATOR**  
NOT TO SCALE



**8 CONTROL CABINET**  
NOT TO SCALE

**NOTES:**

- A COMMON NEUTRAL MAY BE USED FOR UP TO TEN ELECTRIC VALVES WHEN CONTROLLER IS REMOTE LOCATED
- REFER TO P&E DRAWINGS FOR PIPE SIZES AND ELECTRICAL CONNECTIONS
- REFER TO PRODUCT SPECIFICATION DOCUMENT FOR ADDITIONAL INFORMATION
- CONCRETE SURFACE, VERIFY LOCAL CODES FOR TYPE, THICKNESS & REINFORCEMENTS REQUIREMENTS.
- "BY INSTALLER" MAY REFER TO SERVICE PROVIDERS OTHER THAN EQUIPMENT MANUFACTURER. PLEASE REFER TO THE PROJECT SCOPE OF WORK FOR DETAILS OF RESPONSIBILITIES.
- IF THE CONTROLLER IS REMOTE LOCATED, CONDUCTORS # 18 AWG AT 10' LONG ARE PROVIDED BY VORTEX. FOR QUANTITY SEE PIPING AND ELECTRICAL SCHEMATIC DETAIL. GROUNDING OF J-BOX DONE BY INSTALLER
- DIRECTION OF FLOW FOR PLUMBING SHALL BE LABELED USING DIRECTIONAL SYMBOLS.
- VALVES AND PLUMBING LINES SHALL BE LABELED WITH DESCRIPTION OF SOURCE OR DESTINATION.
- OPTIONAL EQUIPEMENTS
- INLETS CAN BE CONFIGURED UP TO TWO WITH:  
-3" NO BFP / PR  
-2" NO BFP / PR  
-2" WITH PR  
-2" WITH BFP / PR
- OUTLETS CAN BE A COMBINATION UP TO 10 OF:  
-1" GATE VALVE  
-1.5" GATE VALVE  
-1" BRASS OR PVC SOLENOID VALVE WITH OR WITHOUT BALL VALVE  
-1.5" BRASS OR PVC SOLENOID VALVE WITH OR WITHOUT BALL VALVE  
-1" FAST ACTING SOLENOID VALVE  
-1.5" FAST ACTING SOLENOID VALVE
- SEE PRODUCT INSTALLATION MANUAL FOR INSTALLATION TIPS

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City of Plattsburgh, NY

**Downtown Revitalization Initiative: Streetscape and Riverfront Access**

Arts Park

REVISIONS				
NO	DATE	DESCRIPTION	DRAWN	CHK
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SARATOGA ASSOCIATES PROJECT #: 18039.10

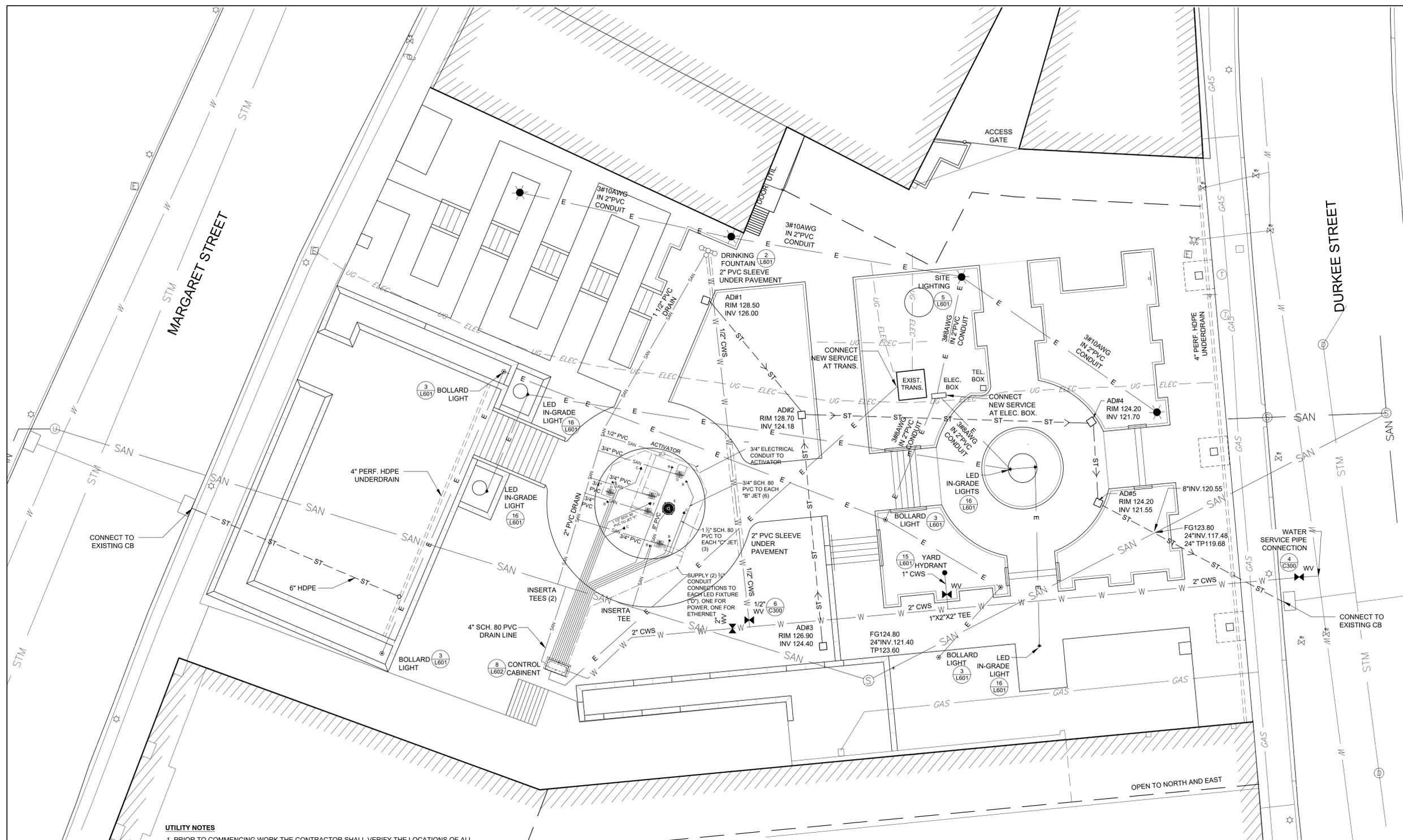
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SITE UTILITY PLAN

**C100**

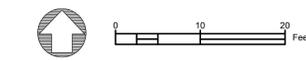


**UTILITY NOTES**

- PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
- CONTRACTOR SHALL COORDINATE CLOSELY WITH DPW FOR THE REMOVAL OF THE EXISTING SANITARY LINE AND INSTALLATION OF NEW LINE WITHIN THE PROPERTY BOUNDARIES, AS MULTIPLE LATERALS AND DRAINS HAVE BEEN IDENTIFIED ON SITE (THAT MAY OR MAY NOT BE ABANDONED).
- THIS PROJECT HAS 3 PRIME CONTRACTS, SEE SUMMARY OF THE WORK OF ELECTRICAL AND PLUMBING CONTRACTS BELOW:
  - SUMMARY OF WORK - ELECTRICAL CONTRACT**
    - Electrical trench and backfill work shall be performed under the General Construction Contract. Not included in Electrical Contract. Coordinate this work with other trades.
    - All electrical relocation or new service requires City of Plattsburgh Permits and can be obtained from the Plattsburgh Municipal Lighting Department (PMLD). After obtaining the necessary permits the project construction schedule shall be coordinated with PMLD within 72 hours advance notice for all work.
    - Furnish and install site electrical work including: electrical wiring and conduit, hand holes, light poles and fixtures, light bollards, LED in-grade lights, and connections to existing electrical transformer and electric box.
  - SUMMARY OF WORK - PLUMBING CONTRACT**
    - Plumbing trench and backfill work shall be performed under the General Construction Contract. Not included in Plumbing Contract. Coordinate this work with other trades.
    - All water and sewer relocation or new construction requires City of Plattsburgh Water and Sewer Permits and can be obtained from the City Building Inspector in coordination with DPW. After obtaining the necessary permits the project construction schedule shall be coordinated with DPW within 72 hours advance notice for all work.
    - Furnish and install new stormwater management system including area drains, HDPE piping, connection to existing storm line and all fittings and accessories.
    - Furnish and install new water supply system including cold water service to drinking fountain, yard hydrant and splash play controller, gate valves, drain valves, connection to existing water line, and all fittings and accessories.
    - Furnish and install new sanitary sewer system including PVC piping, sanitary manholes, PVC drain lines from drinking fountain, splash play controller, playsafe drain and spray features, and all fittings and accessories.

**UTILITY LEGEND**

	18" AREA DRAIN (8 L601)
	SEWER PIPE TRENCH (12 L601)
	4" PERF. HDPE UNDERDRAIN (7 L600)
	STORM SEWER CLEANOUT (13 L601)
	EXISTING SANITARY LINE
	EXISTING ELECTRIC LINE
	PROPOSED ELECTRIC LINE (4 L601)
	PROPOSED SITE LIGHTING (1 L601)
	PROPOSED LIGHT BOLLARD (3 L601)
	PROPOSED LED IN-GRADE LIGHTS (16 L601)
	EXISTING WATER LINE
	PROPOSED WATER LINE (2 C300)
	EXISTING GAS LINE



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City of Plattsburgh, NY

Downtown Revitalization  
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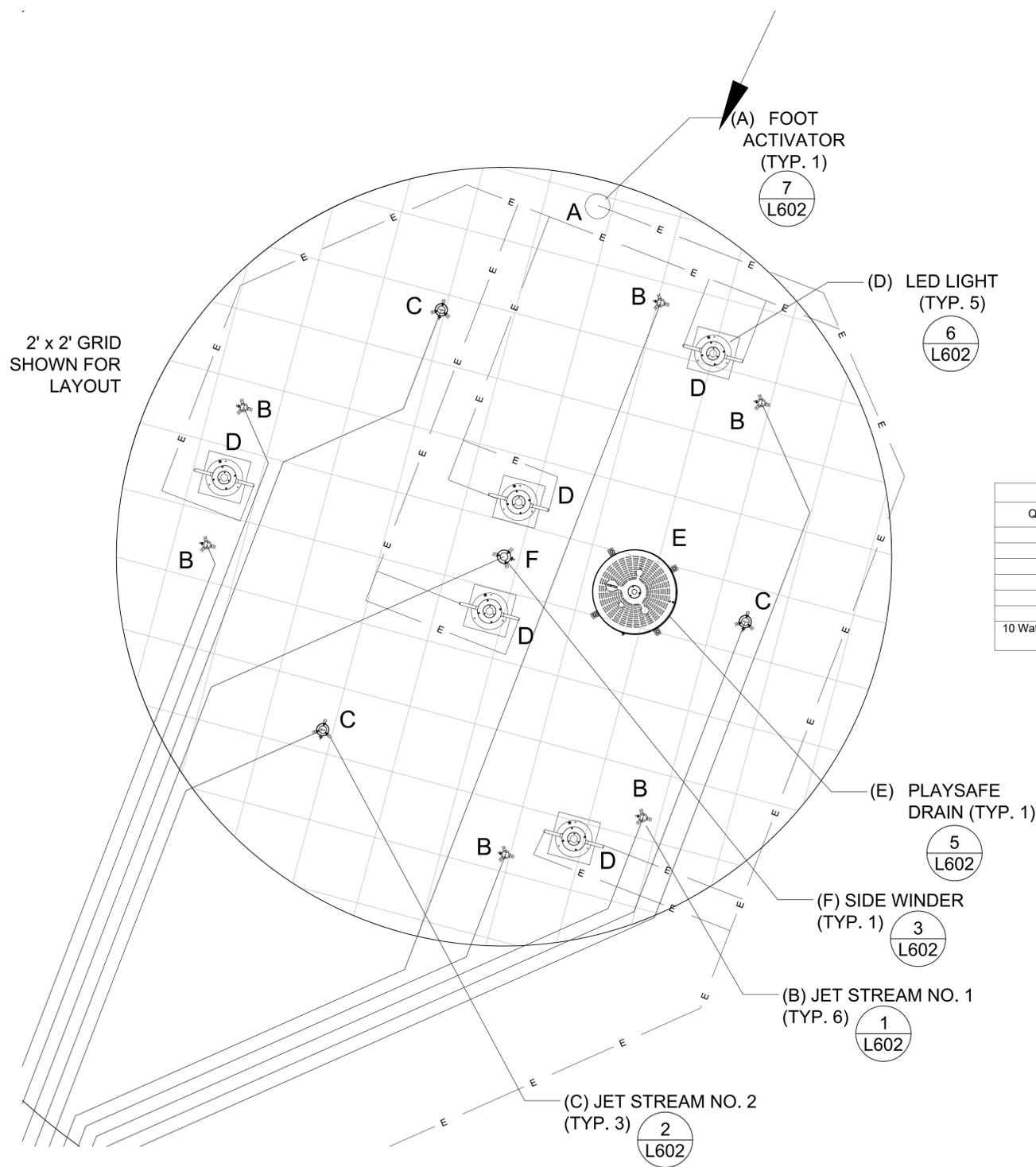
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SPLASH PAD  
ENLARGEMENT

C200



2' x 2' GRID  
SHOWN FOR  
LAYOUT

Quantity	Letter	Feature Name/Number	Gallons Per Minute, Each	Gallons Per Minute, Total
5	D	LED Light (VOR 7056.4000)	0 gpm	0 gpm
1	A	Foot Activator (VOR 0606)	0 gpm	0 gpm
1	E	Playsafe Drain (VOR 1001.4000)	0 gpm	0 gpm
1	F	Side Winder (VOR 7518)	6.5 gpm	6.5 gpm
6	B	Jet Stream No. 1 (VOR 7512)	2.5 gpm	15 gpm
3	C	Jet Stream No. 2 (VOR 0325)	4 gpm	12 gpm
10 Water Features				Total, All Features: 33.5 gpm



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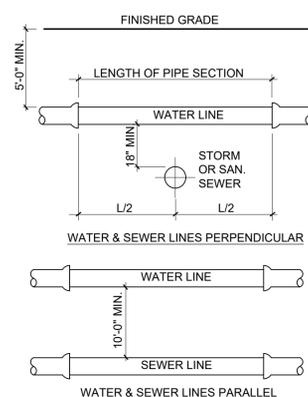
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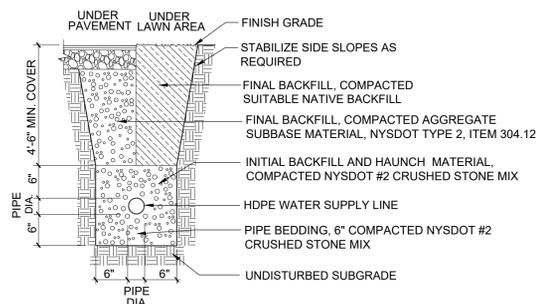


**NOTES:**

1. WHEN INSTALLED PARALLEL, ALL WATER AND SEWER LINES SHALL HAVE A MINIMUM SEPARATION OF 10' EDGE TO EDGE. IF MINIMUM CANNOT BE MAINTAINED, WATER MAIN SHALL BE IN SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF TO ONE SIDE OF SEWER WITH BOTTOM OF WATER MAIN 18" MINIMUM ABOVE TOP OF SEWER PIPE.
2. WHEN INSTALLED CROSSING, MAINS SHALL HAVE 18" MINIMUM VERTICAL SEPARATION BETWEEN PIPES OUTSIDE TO OUTSIDE. WHERE WATER MAIN IS UNDERNEATH SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO WATER MAIN. WHEN IT IS IMPOSSIBLE TO PROVIDE THE ABOVE MINIMUMS, THE SEWER SHALL BE CONSTRUCTED WITH PRESSURE RATED WATER PIPE AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS PRIOR TO BACKFILLING. CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TEN STATES STANDARDS, LATEST EDITION.

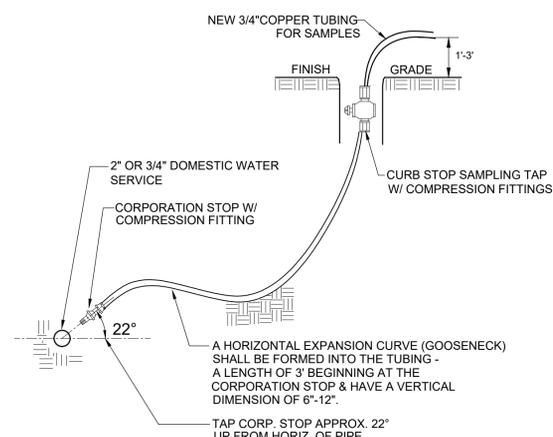
**1 TYPICAL UTILITY CROSSING**

NOT TO SCALE



**2 WATER LINE TRENCH**

NOT TO SCALE

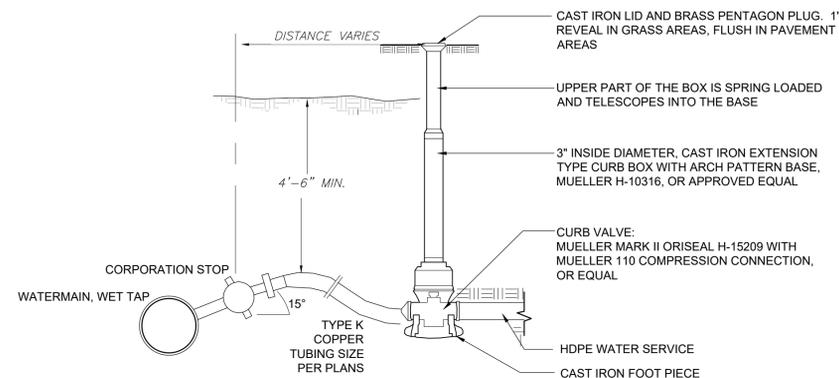


**NOTES:**

1. WHEN IN PAVEMENT, TAP IS TO BE KEPT BELOW GROUND SURFACE EXCEPT WHEN IN USE. UPON NOTIFICATION OF ACCEPTABLE SAMPLE RESULTS, CORPORATION STOP IS TO BE CLOSED, AND TAP AND TUBING DISCONNECTED.
2. TAP MAY BE LOCATED AT THE SAME LOCATION OF A NEW WATER SERVICE. AFTER SAMPLE IS APPROVED, COPPER TUBING TO THE SURFACE IS TO BE REMOVED.
3. APPROXIMATE LOCATIONS FOR TAPS ARE SHOWN ON THE PLANS. FINAL TAP LOCATIONS ARE SUBJECT TO PRIOR APPROVAL OF THE ENGINEER.

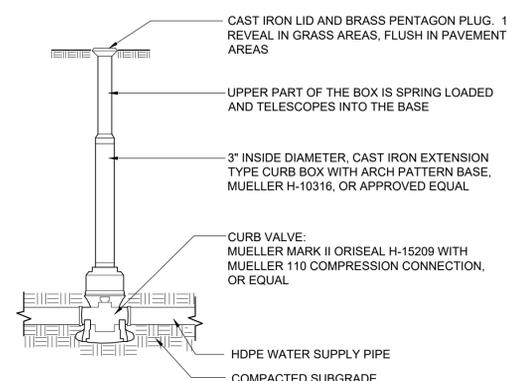
**3 DISINFECTION AND SAMPLING TAP**

NOT TO SCALE



**4 WATER SERVICE PIPE CONNECTION**

NOT TO SCALE



**5 GATE VALVE**

NOT TO SCALE