#### GENERAL NOTES

- 1. THE SCOPE OF SITE WORK FOR THIS PROJECT INCLUDES PROTECTION OF EXISTING STRUCTURES AND UTILITIES, AND REINSTATEMENT OF DISTURBED AREAS OF THE SITE TO MATCH EXISTING CONDITIONS. THE EXISTING CONDITIONS SHOWN ON THE PROJECT DRAWINGS ARE TAKEN FROM RECORD DRAWINGS AND HISTORICAL INFORMATION. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SITE CONDITIONS PRIOR TO THE START OF WORK AND CONTACT THE PROJECT ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND.
- 2. EXISTING UNDERGROUND UTILITIES HAVE BEEN LOCATED FROM HISTORICAL RECORDS AND PREVIOUS DESIGN DRAWINGS. NO GUARANTEE IS MADE THAT THE UTILITIES SHOWN WILL BE FOUND IN THE LOCATIONS INDICATED, OR THAT THE INFORMATION SHOWN IS COMPLETE. INFORMATION ON EXISTING UTILITY LOCATIONS IS PROVIDED FOR REFERENCE ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING EXISTING UTILITY LOCATIONS AND DEPTHS AND COORDINATING THE WORK ACCORDINGLY.
- 3. THE CONTRACTOR SHALL UNDERTAKE TEST PITS AT THE SITE AND ENGAGE PRIVATE UTILITY DETECTION SERVICE, AS NECESSARY, TO ACCURATELY IDENTIFY UTILITIES IN ORDER TO EFFICIENTLY PLAN AND COMPLETE THE WORK.
- THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITIES ADJACENT TO THE WORK. ANY DAMAGE TO EXISTING STRUCTURES, ROADS, SIDEWALKS, UTILITIES, OR OTHER SITE FEATURES CAUSED BY THE WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- 5. ANY UTILITY REPAIRS OR RECONFIGURATION REQUIRED AS PART OF THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE AUTHORITY HAVING JURISDICTION.
- 6. TEMPORARY WORKS, SUPPORT AND PROTECTION OF STRUCTURES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND THE COSTS SHALL BE CONSIDERED INCIDENTAL TO THE OVERALL PROJECT SUM.
- 7. ALL WORK SHALL BE UNDERTAKEN IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL SAFETY STANDARDS.
- 8. OPEN EXCAVATIONS AND WORK AREAS SHALL BE CLEARLY DELINEATED AND FENCED, AS NECESSARY TO PREVENT UNAUTHORIZED ACCESS
- 9. DRIVEWAYS, WALKWAYS AND ENTRANCES SERVING PREMISES SHALL BE KEPT CLEAR AND AVAILABLE TO OWNER, OWNER'S EMPLOYEES, AND EMERGENCY VEHICLES, AS NECESSARY TO MAINTAIN THE FUNCTION OF THE FACILITY. COORDINATE ALL WORK WITH OWNER TO ENSURE THAT ADEQUATE ACCESS AND CIRCULATION IS MAINTAINED AT ALL TIMES.
- 10. DE-WATERING, IF NECESSARY, SHALL BE UNDERTAKEN IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL STANDARDS. NO DISCHARGE OF SEDIMENT LADEN RUNOFF TO SURFACE WATERS, OR THE PIPED STORM DRAIN SYSTEM AT THE SITE SHALL BE ALLOWED.
- 11. ALL DISTURBED PAVEMENT AREAS, ROADS AND SIDEWALKS SHALL BE REINSTATED TO MATCH EXISTING GRADES, MATERIALS AND DEPTHS.
- 12. EXISTING PAVEMENT SHALL BE SAW-CUT AT LEAST TWELVE INCHES INTO SOUND MATERIAL TO PROVIDE A CLEAN, STRAIGHT EDGE BETWEEN EXISTING SOUND SURFACE MATERIAL AND THE REPAIRED AREA.
- 13. A SMOOTH TRANSITION SHALL BE PROVIDED BETWEEN REPAIR WORKS AND EXISTING PAVEMENT. ALL REINSTATED AREAS SHALL BE GRADED TO PITCH UNIFORMLY TO ENSURE POSITIVE DRAINAGE.

#### **LAYOUT NOTES:**

- DO NOT SCALE THE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY OMISSIONS IN DIMENSIONING SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT FOR DECISION. ANY DISCREPANCIES BETWEEN DRAWINGS, DETAILS, NOTES, AND SPECIFICATIONS SHALL IMMEDIATELY BE REPORTED TO THE ARCHITECT FOR FURTHER DIRECTION AND RESOLUTION BEFORE ANY ADDITIONAL WORK PROCEEDS.
- 2. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- 3. ALL DIMENSIONS FROM BUILDING ARE TO FACE OF BUILDING FOUNDATION. ALL DIMENSIONS FROM CURBS ARE TO FACE OF CURB.
- 4. PROVIDE A SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING WORK.
- 5. CONTRACTOR SHALL NOTIFY DIG-SAFE (1-888-344-7233) AND LOCAL UTILITY COMPANIES TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
- 6. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR WORK SHOWN ON THESE PLANS.
- 7. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS AND MEET OR EXCEED CITY OF BELFAST STANDARDS.
- 8. PROVIDE TAPERED END SECTIONS AT ALL CURB ENDS.
- EXISTING CONDITIONS AND TOPOGRAPHIC DATA ARE BASED UPON BOUNDARY & TOPOGRAPHIC SURVEY PREPARED BY GOOD DEEDS LAND SURVEYING, BELFAST, MAINE, DATED SEPTEMBER 17, 2018.

# **GRADING NOTES:**

- SOIL DISTURBANCE IS TO BE KEPT TO A MINIMUM AND ALL DISTURBED AREAS SHALL BE STABILIZED (WITH PERMANENT OR TEMPORARY MEASURES) AS QUICKLY AS POSSIBLE.
- 2. ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL BE LOAMED AND SEEDED (6" DEPTH).
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED ON A REGULAR BASIS AND AS REQUIRED AFTER STORM EVENTS.
- 4. GULLIES OR OTHERWISE ERODED AREAS IN SEEDED AREAS SHALL BE RESTORED AS SOON AS POSSIBLE FOLLOWING OBSERVATION, USING EROSION CONTROL MESH TO STABILIZE AS REQUIRED.
- 5. FILL IN AND AROUND THE AREA OF THE NEW BUILDING ADDITION SHALL MEET THE SPECIFICATION FOR 'STRUCTURAL FILL'.
- . ALL EMBANKMENTS AND OTHER FILL SECTIONS SHALL BE CONSTRUCTED USING GRANULAR BORROW A MIXTURE OF SAND AND GRAVEL MEETING MDOT SPECIFICATION 703.19
  GRANULAR BORROW. SUITABLE SOIL BORROW MAY BE USED IN PLACE OF GRANULAR BORROW ONLY WHERE MOISTURE CONTENT CAN BE CONTROLLED TO MEET THE SPECIFIED COMPACTION.

## **EMBANKMENT NOTES:**

- 1. BASIN EMBANKMENTS SHALL BE CONSTRUCTED OF SUITABLE ON-SITE SOIL, COMPACTED IN MAXIMUM EIGHT INCH LIFTS TO 90% MAXIMUM DRY DENSITY. A MINIMUM OF SIX INCHES OF CLEAN SCREENED LOAM SHALL BE APPLIED TO FINISHED GRADE AND THE AREA SHALL BE IMMEDIATELY SEEDED AND STABILIZED WITH MULCH, HYDROSEED, OR EROSION BLANKET DEPENDING ON THE LEVEL OF EXPECTED INUNDATION (SEE EROSION CONTROL SHEETS).
- EMBANKMENTS CONSTRUCTED ON EXISTING SOIL SLOPES STEEPER THAN 4H:1V SHOULD BE KEYED INTO THE EXISTING GROUND SURFACE WITH CONTINUOUS LEVEL BENCHES. EMBANKMENTS CONSTRUCTED ON EXISTING SOIL SLOPES FLATTER THAN 4H:1V SHALL HAVE A 10FT WIDE BENCH CUT INTO THE NATIVE SOIL AT THE TOE OF THE SLOPE FOR FILL EMBANKMENTS. A ONE FOOT (1') MINIMUM LAYER OF DRAINAGE COURSE MATERIAL SHALL BE PLACED OVER THE INITIAL BENCH PRIOR TO PLACING EMBANKMENT FILL. THE TOE BLANKET DRAIN SHALL BE CONSTRUCTED SUCH THAT GRAVITY DRAINAGE FORM THE BLANKET DRAIN OCCURS.

#### **DEWATERING NOTES:**

- 1. THE CONTRACTOR SHALL EMPLOY A DEWATERING SYSTEM THAT ACHIEVES THE FOLLOWING FUNCTIONS DURING CONSTRUCTION:
- A. DEVELOP A SUBSTANTIALLY DRY AND STABLE SUBGRADE DURING EXECUTION OF
- B. PREVENT DAMAGE TO STRUCTURES ADJACENT TO THE WORK,
- C. RETAIN SEDIMENTS ON-SITE AND WITHIN THE WORK AREA. DEWATERING OPERATIONS SHALL BE SUSPENDED IF THE TURBIDITY OF DISCHARGES TO THE DOWNSTREAM DRAINAGE SYSTEM IS INCREASED ABOVE AMBIENT LEVELS.
- 2. FLOCCULANTS MAY BE USED TO CONTROL THE TURBIDITY OF DISCHARGE WATER. REFER TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION'S EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS (2014, OR AS CURRENTLY REVISED) FOR RECOMMENDATIONS AND SPECIFICATIONS.
- 3. SURFACE WATER ENTERING THE CONSTRUCTION SITE SHALL BE INTERCEPTED AND DIVERTED AROUND THE WORK AREA THROUGH THE USE OF DIKES, CURB WALLS, DITCHES, SUMPS, PUMPING. OR OTHER APPROVED MEANS.
- 4. ANY ENFORCEMENT ACTIONS OR FINES RESULTING FROM THE IMPROPER DISCHARGE OF TURBID WATER AND SEDIMENT TO DOWNSTREAM AREAS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 5. DIRT BAGS AND TEMPORARY DEWATERING PONDS SHALL BE CONSTRUCTED AND MAINTAINED AS NEEDED TO CAPTURE AND TREAT PUMPATE FROM DEWATERED AREAS.

### **GEOTEXTILE & EROSION BLANKET NOTES:**

- 1. EROSION CONTROL BLANKET FOR USE IN PONDS AND DRAINAGE CHANNELS SHALL BE 100% BIODEGRADABLE DOUBLE NET EROSION BLANKET WITH A 100% COCONUT FIBER MATRIX AND ORGANIC JUTE NETTING. EROSION CONTROL BLANKET FOR USE IN CHANNELS SHALL BE NORTH AMERICAN GREEN® BIONET® C125-BN™, EAST COAST EROSION BLANKETS ECC-2B OR APPROVED EQUAL.
- 2. PERMANENT TURF REINFORCEMENT MAT FOR REINFORCED TURF SPILLWAYS AND EMERGENCY OVERFLOW WEIRS SHALL BE A UV-STABILIZED POLYPROPYLENE MAT WITH TWO LAYERS OF UV-STABILIZED NETTING. PERMANENT TURF REINFORCEMENT MAT SHALL BE NORTH AMERICAN GREEN® P300, EAST COAST EROSION BLANKETS ECP-2, OR APPROVED EQUAL.
- 3. GEOTEXTILE SEPARATION FABRIC SHALL BE A WOVEN SLIT FILM GEOTEXTILE WITH AN APPARENT OPENING SIZE OF 50 (US STANDARD SIEVE) (PER ASTM D4751) THAT MEETS THE REQUIREMENTS FOR A CLASS 2 SEPARATION GEOTEXTILE PER AASHTO M288.96. GEOTEXTILE SEPARATION FABRIC SHALL BE MIRAFI® 500X OR APPROVED EQUAL.
- 4. GEOTEXTILE DRAINAGE FABRIC SHALL BE A NONWOVEN GEOTEXTILE MANUFACTURED FOR USE IN SUBSURFACE DRAINAGE APPLICATIONS. THE MATERIAL SHALL HAVE AN APPARENT OPENING SIZE OF 70 (US STANDARD SIEVE) (PER ASTM D4751), A PERMITTIVITY OF 1.7/SEC OR GREATER (PER ASTM D4491) AND RETAIN A MINIMUM OF 70% STRENGTH AT 500 HOURS UV EXPOSURE (PER ASTM D4355). GEOTEXTILE DRAINAGE FABRIC SHALL BE MIRAFI® 140N, CONTECH® C-35NW, OR APPROVED EQUAL.

#### RIPRAP STONE NOTES:

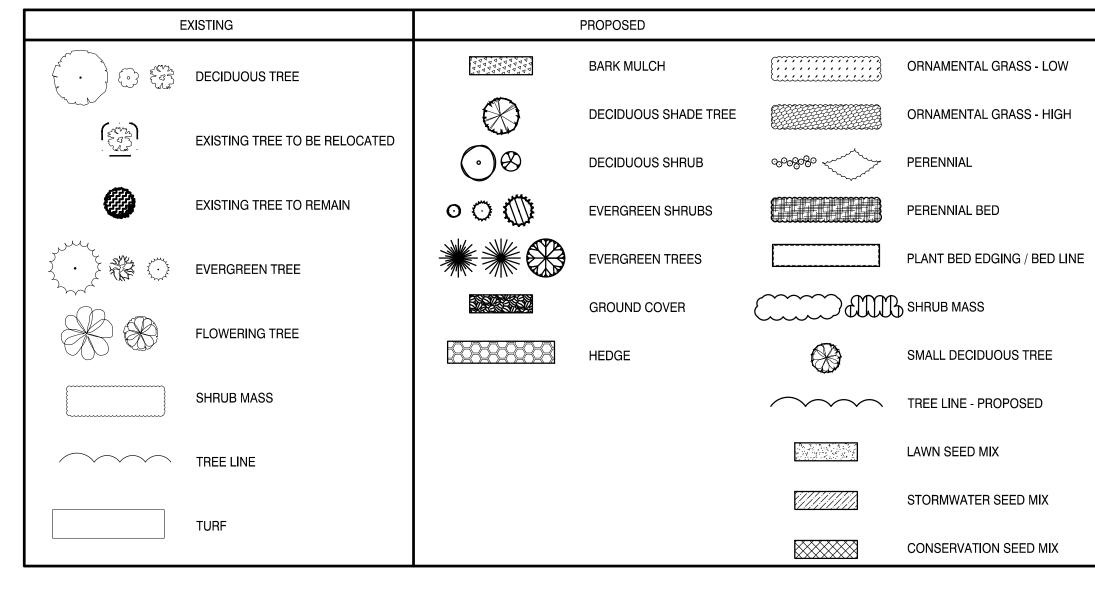
- 1. STONE FOR RIPRAP SHALL CONSIST OF SUB-ANGULAR FIELD STONE OR TOUGH UNHEWN QUARRY STONE OF APPROXIMATE RECTANGULAR SHAPE. THE STONE SHALL BE HARD AND OF SUCH QUALITY THAT IT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING, BE CHEMICALLY STABLE, AND IT SHALL BE SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.
- 2. THE BULK SPECIFIC GRAVITY (SATURATED SURFACE-DRY BASIS) OF THE INDIVIDUAL STONES SHALL BE AT LEAST 2.5.
- 3. THE AVERAGE SIZE OF THE STONE IN A MIXTURE IS INDICATED ON DIAMETER OF THE STONE FOR WHICH 50%, BY WEIGHT, WILL BE SMALLER AND 50% WILL BE LARGER. THE MIXTURE IS COMPOSED PRIMARILY OF THE LARGER STONES BUT WITH A SUFFICIENT MIXTURE OF OTHER SIZES TO FILL PROGRESSIVELY SMALLER VOIDS.
- 4. THE DIAMETER OF THE LARGEST STONE SIZE IN A GIVEN D₅₀ MIXTURE SHALL BE 1.5 TIMES THE D₅₀ SIZE SPECIFIED.
- 5. THE RIPRAP SHALL BE PLACED TO THE THICKNESSES INDICATED OR A MINIMUM OF 2.2 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6 INCHES. FOR D50 LARGER THAN 12 INCHES THE RIPRAP LAYER SHALL HAVE A MINIMUM THICKNESS OF 2 TIMES THE D50.

# PLANTING NOTES:

- 1. THE LANDSCAPE CONTRACTOR SHALL SUPPLY AND INSTALL ALL PLANTS IN SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. DISCREPANCIES BETWEEN QUANTITIES NOTED ON THE DRAWINGS AND THOSE GRAPHICALLY SHOWN SHALL BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT AND SHALL NOT ENTITLE THE CONTRACTOR TO ADDITIONAL REMUNERATION.
- 2. THE LANDSCAPE CONTRACTOR IS ADVISED THAT BELOW GROUND UTILITIES EXIST ON SITE, THE LOCATIONS OF WHICH SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF OPERATIONS (SEE GENERAL NOTES REGARDING DIGSAFE). SHOULD THE LOCATION OF ANY PROPOSED PLANTING CONFLICT WITH ANY UTILITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY FOR DECISION.
- 3. ANY AND ALL PAVING, CURBING, UTILITIES, LAWNS, ETC., DAMAGED AS A RESULT OF THE LANDSCAPE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 4. LOCATIONS OF PROPOSED PLANTINGS AND BED LINES SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 5. PLANTS SHALL BE PLACED NO CLOSER THAN ONE-HALF THE NOTED SPACING TO PAVEMENT EDGES, BED LINES, OR STRUCTURE FACES, UNLESS NOTED OR SHOWN OTHERWISE.
- 6. PLANT MASSES SHALL BE LAID OUT AND INSTALLED STARTING AT THE PRINCIPAL, FORM-DEFINING PERIMETER, THEN FILLING INWARD IN DOUBLE-ROW-STAGGERED FASHION, UNLESS NOTED OR SHOWN OTHERWISE.
- 7. ALL PLANTING BEDS INCLUDING TREE AND SHRUB PITS AS INDICATED SHALL RECEIVE 3" APPROVED CLEAN, UNIFORMLY GROUND OR SHREDDED PINE OR HEMLOCK BARK MULCH.
- 8. THE LANDSCAPE CONTRACTOR SHALL RELOCATE ANY PLANT ACCORDING TO THE DIRECTION OF THE LANDSCAPE ARCHITECT.
- 9. ALL PLANT MATERIALS CALLED FOR AND INSTALLED SHALL MEET OR EXCEED SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" (LATEST EDITION) AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- 10. ALL PLANTING BEDS SHALL BE DEFINED BY A NEAT, SHOVEL-CUT BED LINE. BED LINES SHALL BE TRUE TO FORM AS SHOWN ON THE DRAWINGS, CONSISTING OF SMOOTH CURVES AND SHARP LINES AND CORNERS.
- 11. IF, BECAUSE OF CULTURE REQUIREMENTS, AVAILABILITY, OR OTHER CIRCUMSTANCES, THE LANDSCAPE CONTRACTOR BELIEVES A PARTICULAR PLANT CALLED FOR IS INAPPROPRIATE, THE LANDSCAPE CONTRACTOR SHALL REPORT THE SITUATION IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR DECISION.
- 12. ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL RECEIVE 6" LOAM AND SEED.

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BODY OF WATER/STREAM		BOLLARD	•
BOLLARD	0	BORING	•
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BRIDGE		BUILDING W/ DOOR	
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ELEVATION TOP OF STEP	+TOS	ELEVATION TOP OF STEP	+TOS
ELEVATION - SPOT	+100.0	ELEVATION - SPOT	+100.0
FENCE - CHAINLINK		EMERGENCY CALL BOX	0
FENCE - ORNAMENTAL	<u> </u>	EROSION CONTROL MESH	
FIELD INLET FIRE HYDRANT	<b>⊜</b> <b>※</b>	FENCE - CHAINLINK FENCE - ORNAMENTAL	<u> </u>
FLAG POLE	970 On	FIRE HYDRANT	
FORCE MAIN PIPE	SFMSFM	FLAG POLE	
GAS & FUEL EQUIPMENT	(FUEL)	FORCE MAIN PIPE	NSFM
GAS LINE	— G — G — G —	FOUNDATION DRAIN	NFND
GAS VALVE	岗	GAS & FUEL EQUIPMENT	FUEL
GENERATOR ON CONC PAD	G . G	GAS LINE	——— NGAS ———
GRAVEL DRIVE		GAS VALVE	M CONTRACT
GUARDRAIL	. • • • • •	GENERATOR ON CONC PAD	G G
HELIPAD		GRAVEL DRIVE	
HIGH POINT ELEVATION IRRIGATION PIPING	+HP	GUARDRAIL HELIPAD	
LANDMARK SIGN	W  W	HIGH POINT ELEVATION	<b>H</b> +HP
LIGHT - BOLLARD	*	IRRIGATION PIPING	NIWNIW
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MAJOR CONTOUR		LIGHT - SPOT/WALL	• -
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PAVEMENT STRIPING		MAJOR CONTOUR	(100)
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PROPERTY LINE - ABUTTER		PARKING AREA-BITUMINOUS	
		PAVEMENT STRIPING	
RETAINING WALL RIPRAP		PROPERTY LINE	
ROADWAY	MEDIA	RETAINING WALL RIPRAP	
ROADWAY CENTER LINE		ROADWAY	
SANITARY SEWER PIPE	— SS — SS —	ROADWAY CENTER LINE	
SANITARY SEWER MANHOLE	(\$)	SANITARY SEWER MANHOLE	<b>S</b>
SETBACK		SANITARY SEWER PIPE	— NSS — NSS —
SIGN SIGN - TWO-SIDED	<u> </u>	SETBACK SIGN	<del> </del>
SIGN - TWO-SIDED SILT FENCE	SF SF	SIGN - TWO-SIDED	<u>.</u>
SLOPE NOTATION	S = .01	SILT FENCE	SF SF
SOIL TYPE BOUNDARY		SLOPE NOTATION	S = . 01
SPRINKLER	-0-	SPRINKLER	-
STONE WALL		STONE WALL	
STORM DRAIN PIPE TELEPHONE EQUIPMENT	—— SD —— SD ——	STORM DRAIN PIPE TELEPHONE EQUIPMENT	— NSD — NSD —
TEST PIT		TEST PIT	<u></u> □ □ □
TRAFFIC ARM & SIGNAL		TRAFFIC ARM & SIGNAL	
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UNDERDRAIN PIPE	— up — up — up — up —	UNDERDRAIN PIPE	— UD — UD — UD — UD — UD —
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WATERSHED BOUNDARY		WELL	
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	ENCE ONLY AND APPLIES ONLY TO EDRAWINGS, OR BE INCORPORATE		

## PLANTING LEGEND



SITE ABBREVIATIONS			
ALT	ALTERNATE		
ВОС	BOTTOM OF CURB		
BOW	BOTTOM OF WALL		
CIP	CAST-IN-PLACE		
ć	CENTER LINE		
CLL	CONTRACT LIMITS LINE		
ECB	EXISTING CATCH BASIN		
FFE	FINISHED FLOOR ELEVATION		
GA	GAUGE		
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR		
HC	HANDICAPPED		
НМА	HOT MIX ASPHALT		
HP	HIGH POINT		
ID	INSIDE DIAMETER		
LP	LOW POINT		
LT	LEFT		
MAX.	MAXIMUM		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
NSD	NEW STORM DRAIN (LINE)		
NSS	NEW SANITARY SEWER (LINE)		
NW	NEW WATER (LINE)		
O.C.	ON CENTER		
OD	OUTSIDE DIAMETER		
R	RADIUS		
RE:	REFER (TO)		
ROW	RIGHT-OF-WAY		
RT	RIGHT		
S	SLOPE		
T & B	TOP & BOTTOM		
ТО	TOP OF		
TOC	TOP OF CURB		
TOW	TOP OF WALL		
TP	TEST PIT		
TYP.	TYPICAL		
UG	UNDERGROUND		
W/	WITH		
W/O	WITHOUT		

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