



SILVESTRI
ARCHITECTS · PC

1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773



**CONTRACT DRAWINGS
FOR THE CONSTRUCTION OF**

**FRANK P. LANGLEY COMPANY, INC.
219 CREEKSIDE DRIVE
AMHERST, NEW YORK**

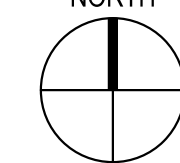
**APPLICANT
SCOTT A. CREGO
FRANK P. LANGLEY CO., INC.
219 CREEKSIDE DRIVE
AMHERST, NY 14228
PHONE: 716-691-7575 EXT. 8555**

C&S PROJECT: D51.123.001

APRIL 19, 2024



LOCATION MAP

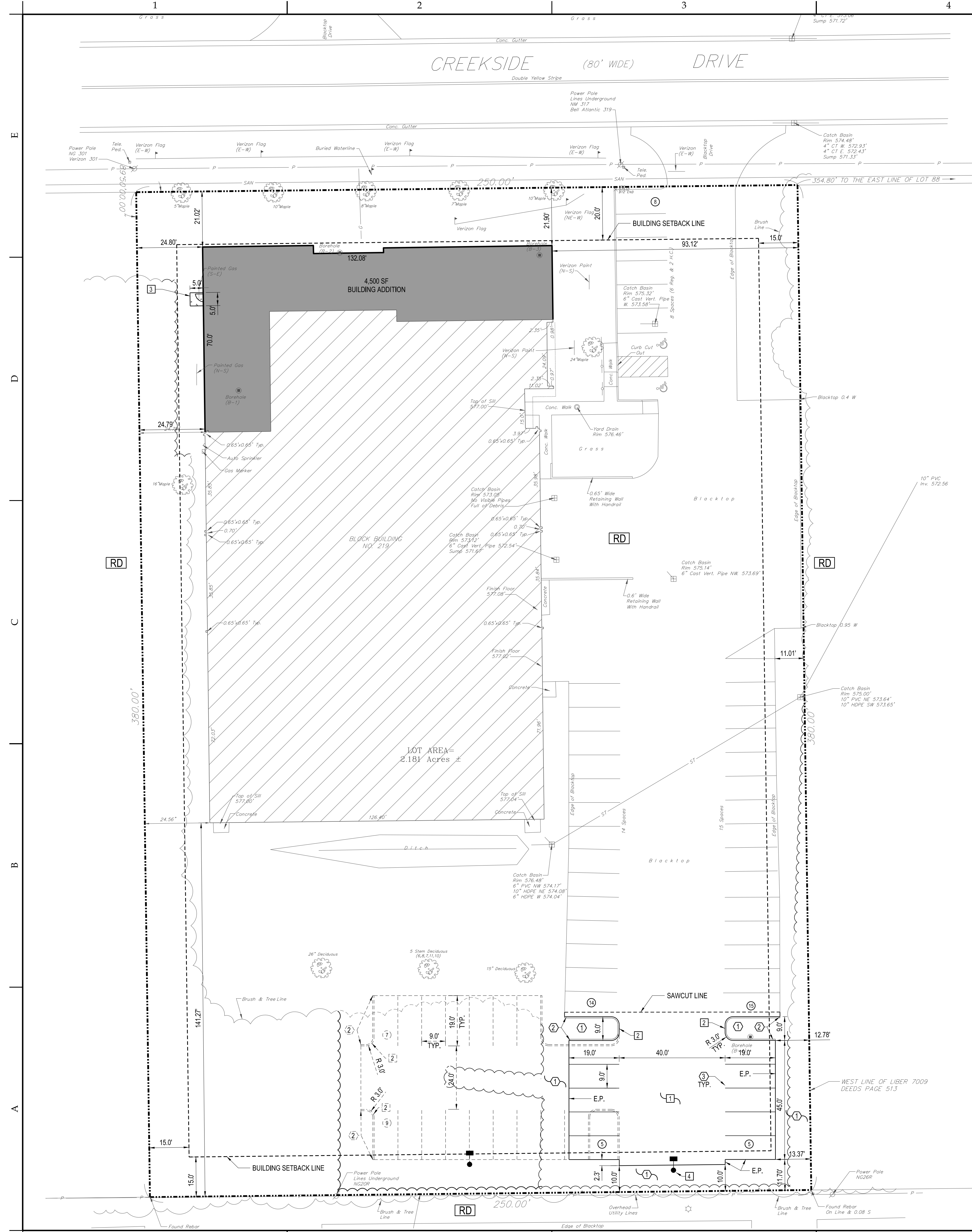


DRAWING LIST	
SHEET NO.	SHEET NAME
G-001	TITLE SHEET
	BOUNDARY & TOPOGRAPHIC SURVEY
C-101	SITE PLAN
C-102	DEMOLITION PLAN
C-103	GRADING & EROSION & SEDIMENT CONTROL PLAN
C-104	UTILITY PLAN
C-105	LANDSCAPING PLAN
C-106	PHOTOMETRIC PLAN
C-501	SITE DETAILS
C-502	EROSION & SEDIMENT CONTROL & STORM DETAILS

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN COMPLIANCE WITH THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND THE BUILDING CODE OF NEW YORK STATE

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

G-001



- SITE PLAN NOTES**
1. SURVEY INFORMATION WAS PROVIDED BY TRUE NORTH LAND SURVEYING, PLLC DATED 03-13-2024. C&S ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.
 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE ENGINEER WITH ANY DISCREPANCIES FOUND IN THE FIELD.
 3. ALL DIMENSIONS FROM PROPERTY LINES ARE 90° FROM PROPERTY LINE UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.
 5. COORDINATE EXACT LOCATION OF SIDEWALKS AT DOORWAYS WITH ARCHITECTURAL PLANS.
 6. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND LAYOUT.

- SITE PLAN DETAIL LEGEND**
- 1 ASPHALT PAVEMENT SECTION - SEE DETAIL 1/C-501
 - 2 CONCRETE CURB - SEE DETAIL 2/C-501
 - 3 CONCRETE SIDEWALK - SEE DETAIL 3/C-501
 - 4 LIGHT POLE FOUNDATION - SEE DETAIL 4/C-501

- SITE PLAN SHEET KEYNOTES**
- 1 4" TOPSOIL & SEED IF NO PLANTINGS-SEE LANDSCAPING PLAN
 - 2 MATCH EXISTING CURB OR RUN OUT IN 2'-0"
 - 3 4" WIDE PAINTED YELLOW PAVEMENT STRIPES

- SITE PLAN PROPOSED LEGEND**
- PROPERTY LINE
 - PROPOSED CONCRETE PAVEMENT/SIDEWALK
 - PROPOSED CURB
 - NUMBER OF PARKING SPACES
 - ∩ DOOR LOCATION
 - E.P. EDGE OF PAVEMENT
 - LIGHTING FIXTURES
 - SAW CUT LINE
 - RD CURRENT ZONING

SITE DATA		
CURRENT ZONING: R&D (RESEARCH & DEVELOPMENT)	REQUIRED	PROVIDED:
LOT DIMENSIONS:		
LOT AREA (MIN)	1 ACRE	2.181
LOT WIDTH (MIN)	35'	250.0'
YARDS - BUILDING		
FRONT (35' MAX HEIGHT)	20'	21.02'
SIDE YARD (30' MAX HEIGHT)	15'	24.79'
REAR YARD (30' MAX HEIGHT)	15'	141.27'
YARDS - VEHICLE USE AREA		
FRONT	25'	1.0' (Existing Condition)
SIDE	10'	11.01'
REAR	10'	10.0'
MAX. BLDG COVERAGE	NONE	
MAX. HEIGHT	65'	
PARKING		
EXISTING PARKING		37
REQUIRED PARKING		
OFFICE: 8,625 GROSS SQ. FT.	8,625 SF x 0.90 = 7,763/200 = 39 SPACES	
WAREHOUSE: 18,230 GROSS SQ. FT.	18,230 SF / 1,000 = 19 SPACES	
TOTAL REQUIRED	39 + 19 = 58	
PROPOSED PARKING		10
TOTAL PROVIDED WITH PROPOSED		37 + 10 = 47
FUTURE PARKING (IF REQUIRED BY TOWN)	58 - 47 = 11	
TOTAL PROVIDED IF FUTURE PARKING IS BUILT		37 + 5 + 16 = 58
INTERIOR GREENSPACE	5%	11%

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219 Creekside Dr.
Amherst, NY

ISSUE:
SA PROJECT TEAM: PRINCIPAL P. Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____



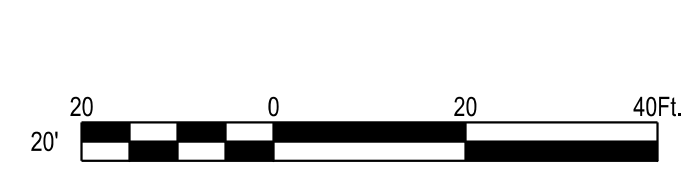
TITLE:
SITE PLAN

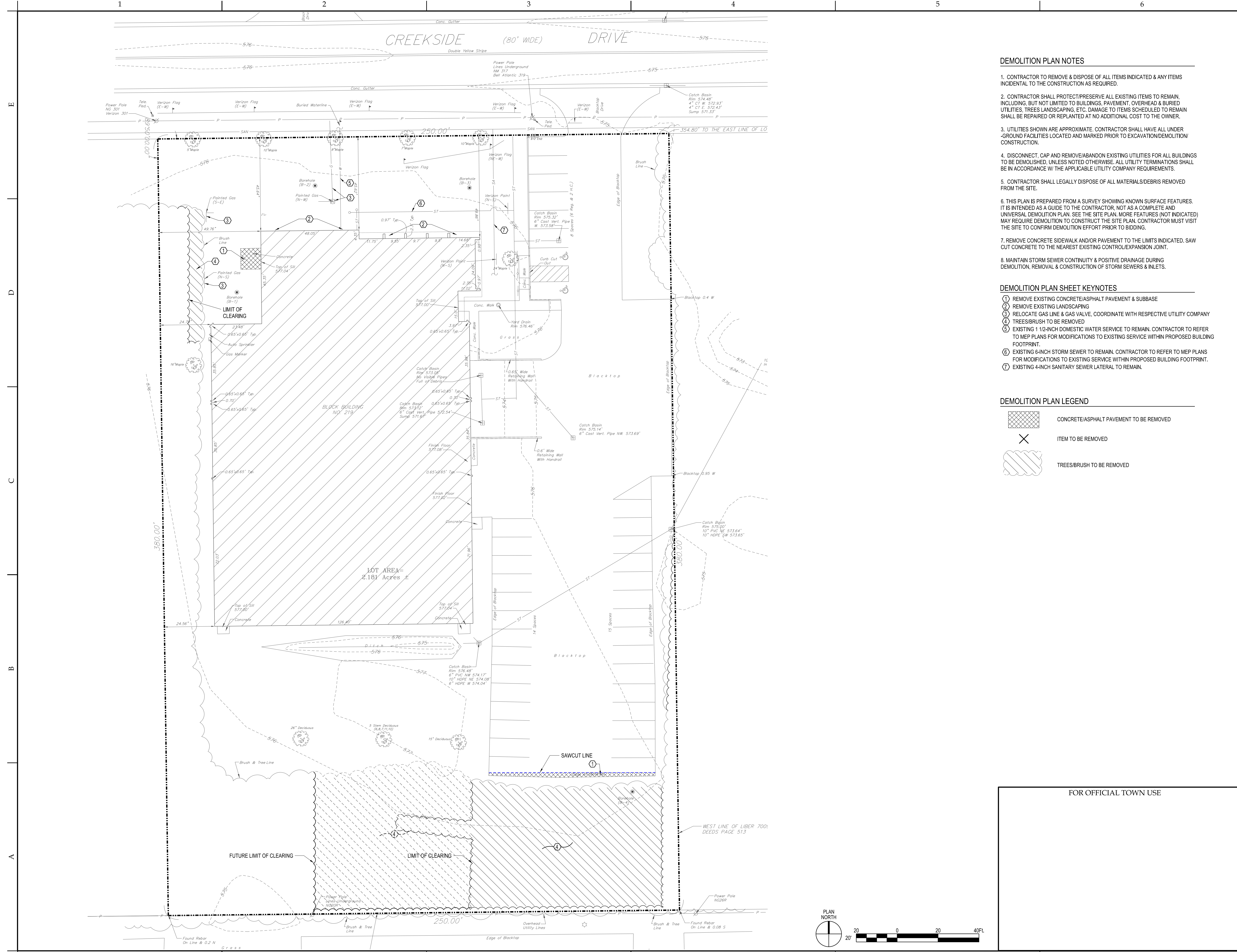


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C-101





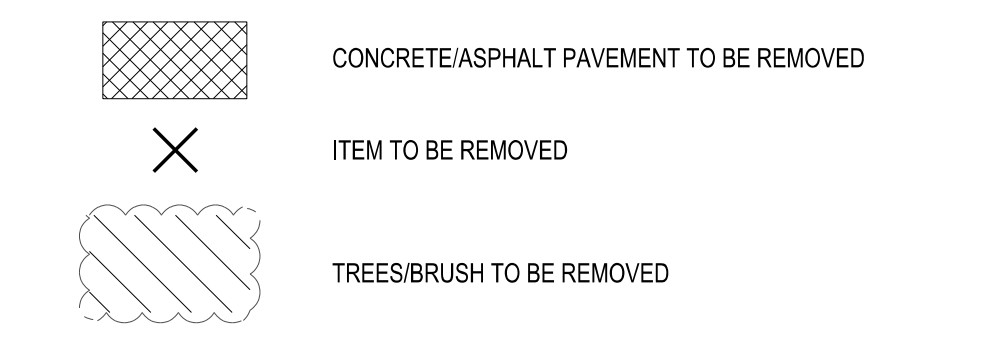
DEMOLITION PLAN NOTES

1. CONTRACTOR TO REMOVE & DISPOSE OF ALL ITEMS INDICATED & ANY ITEMS INCIDENTAL TO THE CONSTRUCTION AS REQUIRED.
2. CONTRACTOR SHALL PROTECT/PRESERVE ALL EXISTING ITEMS TO REMAIN, INCLUDING, BUT NOT LIMITED TO BUILDINGS, PAVEMENT, OVERHEAD & BURIED UTILITIES, TREES LANDSCAPING, ETC. DAMAGE TO ITEMS SCHEDULED TO REMAIN SHALL BE REPAIRED OR REPLANTED AT NO ADDITIONAL COST TO THE OWNER.
3. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL HAVE ALL UNDERGROUND FACILITIES LOCATED AND MARKED PRIOR TO EXCAVATION/DEMOLITION/CONSTRUCTION.
4. DISCONNECT, CAP AND REMOVE/ABANDON EXISTING UTILITIES FOR ALL BUILDINGS TO BE DEMOLISHED, UNLESS NOTED OTHERWISE. ALL UTILITY TERMINATIONS SHALL BE IN ACCORDANCE WITH THE APPLICABLE UTILITY COMPANY REQUIREMENTS.
5. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL MATERIALS/DEBRIS REMOVED FROM THE SITE.
6. THIS PLAN IS PREPARED FROM A SURVEY SHOWING KNOWN SURFACE FEATURES. IT IS INTENDED AS A GUIDE TO THE CONTRACTOR, NOT AS A COMPLETE AND UNIVERSAL DEMOLITION PLAN. SEE THE SITE PLAN. MORE FEATURES (NOT INDICATED) MAY REQUIRE DEMOLITION TO CONSTRUCT THE SITE PLAN. CONTRACTOR MUST VISIT THE SITE TO CONFIRM DEMOLITION EFFORT PRIOR TO BIDDING.
7. REMOVE CONCRETE SIDEWALK AND/OR PAVEMENT TO THE LIMITS INDICATED. SAW CUT CONCRETE TO THE NEAREST EXISTING CONTROL/EXPANSION JOINT.
8. MAINTAIN STORM SEWER CONTINUITY & POSITIVE DRAINAGE DURING DEMOLITION, REMOVAL & CONSTRUCTION OF STORM SEWERS & INLETS.

DEMOLITION PLAN SHEET KEYNOTES

- ① REMOVE EXISTING CONCRETE/ASPHALT PAVEMENT & SUBBASE
- ② REMOVE EXISTING LANDSCAPING
- ③ RELOCATE GAS LINE & GAS VALVE. COORDINATE WITH RESPECTIVE UTILITY COMPANY
- ④ TREES/BRUSH TO BE REMOVED
- ⑤ EXISTING 1 1/2-INCH DOMESTIC WATER SERVICE TO REMAIN. CONTRACTOR TO REFER TO MEP PLANS FOR MODIFICATIONS TO EXISTING SERVICE WITHIN PROPOSED BUILDING FOOTPRINT.
- ⑥ EXISTING 8-INCH STORM SEWER TO REMAIN. CONTRACTOR TO REFER TO MEP PLANS FOR MODIFICATIONS TO EXISTING SERVICE WITHIN PROPOSED BUILDING FOOTPRINT.
- ⑦ EXISTING 4-INCH SANITARY SEWER LATERAL TO REMAIN.

DEMOLITION PLAN LEGEND



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TITLE:
DEMOLITION PLAN



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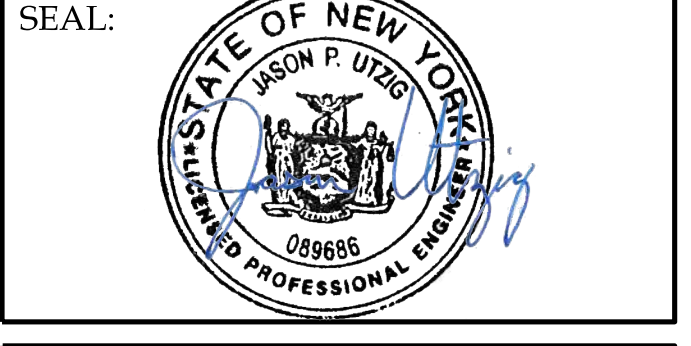


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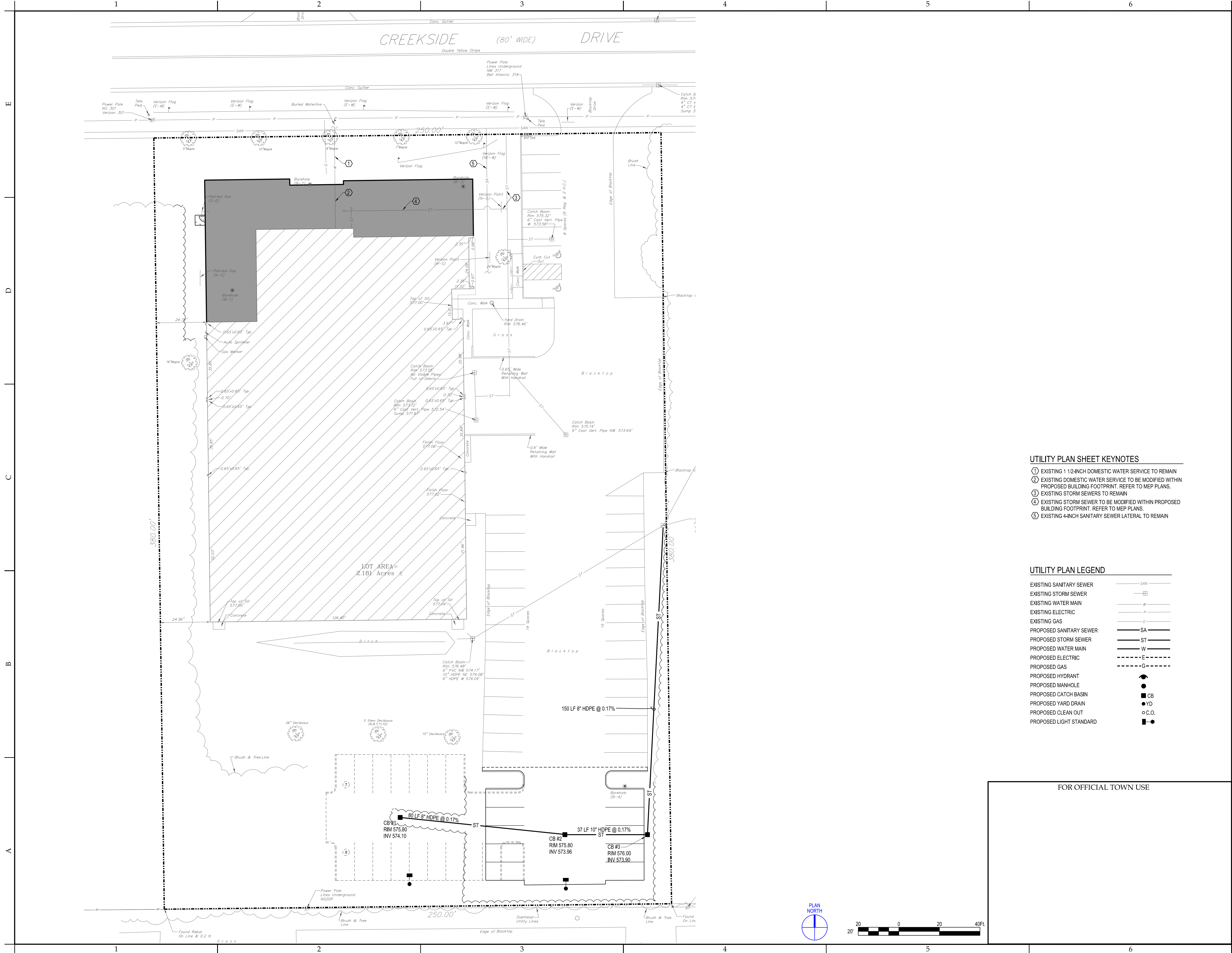


TITLE:
 GRADING & EROSION & SEDIMENT CONTROL PLAN

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TITLE:
UTILITY PLAN

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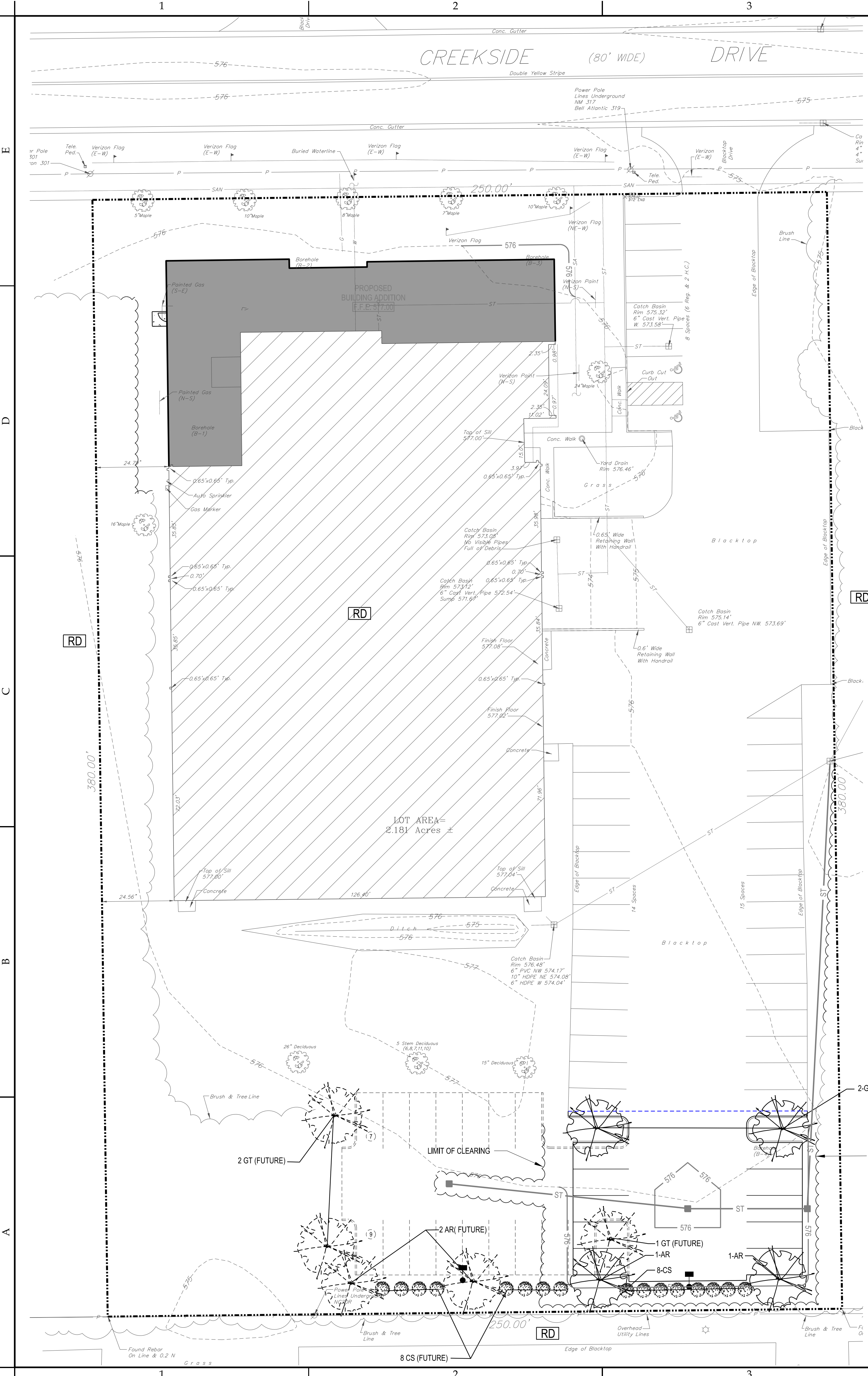
C-104

- UTILITY PLAN SHEET KEYNOTES**
- ① EXISTING 1 1/2-INCH DOMESTIC WATER SERVICE TO REMAIN
 - ② EXISTING DOMESTIC WATER SERVICE TO BE MODIFIED WITHIN PROPOSED BUILDING FOOTPRINT. REFER TO MEP PLANS.
 - ③ EXISTING STORM SEWERS TO REMAIN
 - ④ EXISTING STORM SEWER TO BE MODIFIED WITHIN PROPOSED BUILDING FOOTPRINT. REFER TO MEP PLANS.
 - ⑤ EXISTING 4-INCH SANITARY SEWER LATERAL TO REMAIN

UTILITY PLAN LEGEND

EXISTING SANITARY SEWER	— SAN —
EXISTING STORM SEWER	— ST —
EXISTING WATER MAIN	— W —
EXISTING ELECTRIC	— E —
EXISTING GAS	— G —
PROPOSED SANITARY SEWER	— SA —
PROPOSED STORM SEWER	— ST —
PROPOSED WATER MAIN	— W —
PROPOSED ELECTRIC	— E —
PROPOSED GAS	— G —
PROPOSED HYDRANT	●
PROPOSED MANHOLE	●
PROPOSED CATCH BASIN	■ CB
PROPOSED YARD DRAIN	● YD
PROPOSED CLEAN OUT	○ C.O.
PROPOSED LIGHT STANDARD	■

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SET TOP OF ROOTBALL FLUSH W/ GRADE OR 1-2" HIGHER IN SLOWLY DRAINING SOILS. TRUNK FLARE MUST BE EXPOSED

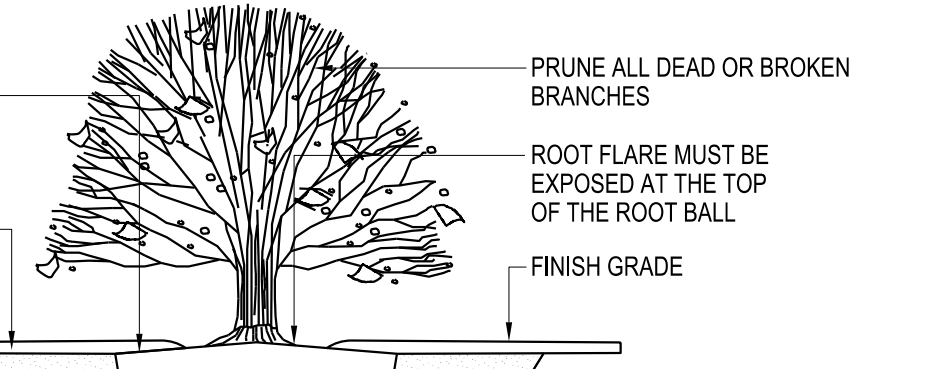
6" DIAM. MULCH RING, 2" DEPTH. DO NOT PLACE MULCH IN CONTACT WITH TRUNK

B&B: REMOVE TWINE, ROPE, WIRE & BURLAP FROM THE TOP HALF OF ROOT BALL. CAREFULLY REMOVE FROM CONTAINER

- NOTES:
1. STAKE TREES AS DIRECTED BY THE LANDSCAPE ARCHITECT. STAKING WILL BE REQ'D WHEN ROOT BALLS ARE VERY SANDY OR WET CLAY, WHEN SOIL IS VERY SOFT, OR WHEN PLANTING LOCATIONS ARE WINDY.
 2. TIGHTEN ARBORITIE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT.
 3. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS AND BROKEN OR DEAD BRANCHES.
 4. TREE WRAP SHOULD BE INSTALLED AT TIME OF PLANTING AND REMOVED 12 MONTHS AFTER PLANTING.

DECIDUOUS TREE PLANTING DETAIL

SCALE: NTS



SET TOP OF ROOTBALL FLUSH TO GRADE OR 1-2" HIGHER IN SLOWLY DRAINING SOILS

2" DEEP LAYER MULCH. DO NOT PLACE MULCH IN CONTACT WITH THE TRUNK

PLANTING MIX REMOVE ALL TWINE, ROPE, WIRE & BURLAP FROM THE TOP HALF OF ROOT BALL

PRUNE ALL DEAD OR BROKEN BRANCHES

ROOT FLARE MUST BE EXPOSED AT THE TOP OF THE ROOT BALL

FINISH GRADE

TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE TO PREVENT ROOT BALL FROM SHIFTING

PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL

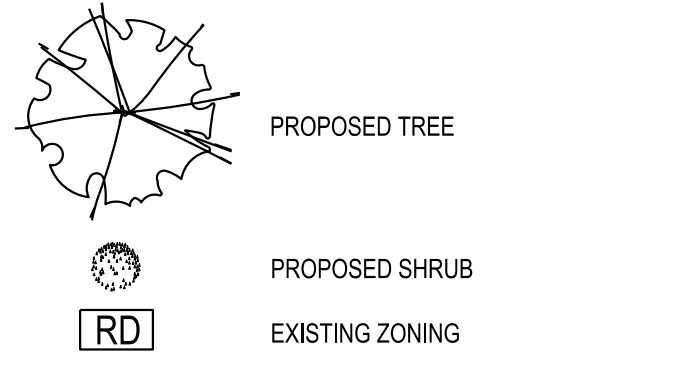
SHRUB PLANTING DETAIL

SCALE: NTS

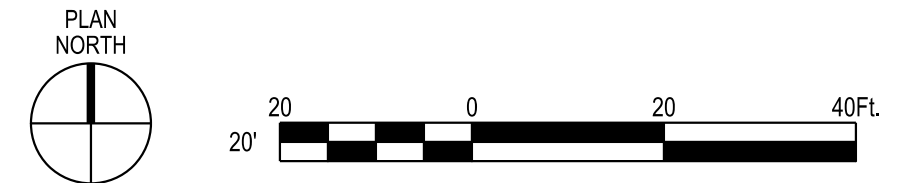
INTERIOR LANDSCAPING CALCULATION:
 TOTAL PARKING AREA: 4,504 SF
 INTERIOR PARKING AREA: 494 SF
 TOTAL INTERIOR GREENSPACE PROVIDED: 494/4504 = 11%

INTERIOR LANDSCAPING CALCULATION WITH FUTURE PARKING:
 TOTAL PARKING AREA: 9,397 SF
 INTERIOR PARKING AREA: 1,058 SF
 TOTAL INTERIOR GREENSPACE PROVIDED: 1058/9397 = 11.26%

LANDSCAPING PLAN LEGEND



KEY	QTY.	FUTURE QTY.	PLANT LIST		
			BOTANICAL NAME	COMMON NAME	MINIMUM SIZE
AR	2	2	Acer x Freemanii "Armstrong"	Armstrong Maple	2 1/2-3" Caliper
GT	2	3	Gleditsia Triacanthos Inermis "Skyline"	Skyline Honeylocust	2 1/2-3" Caliper
CS	8	8	Cornus Sericea	Redosier Dogwood	24" Ht.



PLANTING SPECIFICATION

1. SCOPE OF WORK
 A. THIS WORK SHALL CONSIST OF PERFORMING, CLEARING, AND GRUBBING SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE INCLUDING ALL LABOR MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THE PROJECT.
2. MATERIALS
 A. PLANTS - ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS. QUALITY AND PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1) AND BE OF NUMBER ONE GRADE.
 B. VARIETIES AND SIZES OF PLANTS SHALL BE SHOWN ON DRAWING.
3. FERTILIZER
 A. FERTILIZER SHALL BE MILORGANITE (6-2-0) OR APPROVED EQUAL
4. GENERAL WORK PROCEDURES
 A. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPING CONSTRUCTION AND PLANTING.
5. WEEDING
 A. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
6. SOIL CONDITIONING
 A. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
7. PLANTING
 POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
 A. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, AS SHOWN ON THE PLANTING DETAILS
 - 3 PARTS TOPSOIL
 - 1 PART PEAT MOSS OR COMPOST
 - 1/3 PART MILORGANITE FERTILIZER
 B. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND WATER. COMPLETE BACK-FILLING AND WATER THOROUGHLY.
 C. ALL PLANTS SHALL BE SET SO THAT, WHEN SETTLED, THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
 D. IMMEDIATELY AFTER PLANTING, STAKE ALL TREES PER DETAILS AND AS DIRECTED BY LANDSCAPE ARCHITECT
 E. PREPARE RAISED EARTH SAUCER AS WIDE AS PLANTING HOLE OF EACH PLANT.
 F. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
 G. AFTER SHRUB BEDS AND TREE SAUCERS ARE BACKFILLED AND FINE GRADED, MULCH WITH 3" DEPTH OF DARK, SHREDDED HARDWOOD BARK MULCH.
8. FINISH GRADING
 A. PLUSMINUS .1 FOOT OF FINISH GRADE
 B. ALL LAWNS AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDING SHALL SLOPE AWAY FROM THE BUILDING.
 C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
9. GUARANTEE
 A. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR
10. CLEAN-UP
 A. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT AND DEBRIS RESULTING FROM HIS WORK, ALL ACCEPTABLE CONDITIONS AS APPROVED BY THE OWNERS AUTHORIZED REPRESENTATIVE.
11. MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION
 A. MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKE AND GUY SUPPORT AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOVING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

NOTES:

1. ALL INTERIOR LANDSCAPED AREA SHALL HAVE A MINIMUM PLANTING SOIL DEPTH OF THREE (3) FEET AND BE FREE FROM ALL FORMS OF CONSTRUCTION DEBRIS AND FOREIGN MATERIAL.
2. ALL TREE SAUCERS AND SHRUB BEDS SHALL RECEIVE A MINIMUM OF THREE (3) INCHES DEPTH OF DARK SHREDDED HARDWOOD BARK MULCH.
3. ALL TREES SHALL BE STAKED WITH THREE (3) WOOD STAKES AS SHOWN ON THE TREE PLANTING DETAIL.
4. A ROOT PROTECTION ZONE SHALL BE ESTABLISHED AROUND ANY TREE WHICH IS IDENTIFIED ON THE LANDSCAPE PLAN AS A TREE TO BE PRESERVED. THE ROOT PROTECTION ZONE IS IDENTIFIED BY CREATING A CIRCLE AROUND THE TREE, THE SIZE OF WHICH IS DETERMINED BY PROVIDING ONE FOOT OF RADIUS FOR EVERY INCH DIAMETER OF THE TREE MEASURED AT BREAST HEIGHT (DBH). THE ROOT PROTECTION ZONE SHALL BE MARKED IN THE FIELD WITH A PHYSICAL BARRIER SUCH AS TEMPORARY FENCING OR OTHER MEANS WHICH SHALL PREVENT CONSTRUCTION ACTIVITIES FROM OCCURRING WITHIN THE TREE ROOT PROTECTION ZONE. METHODS FOR PRESERVING AND PROTECTING EXISTING TREES SHALL BE INCLUDED AS PART OF THE LANDSCAPE PLAN.

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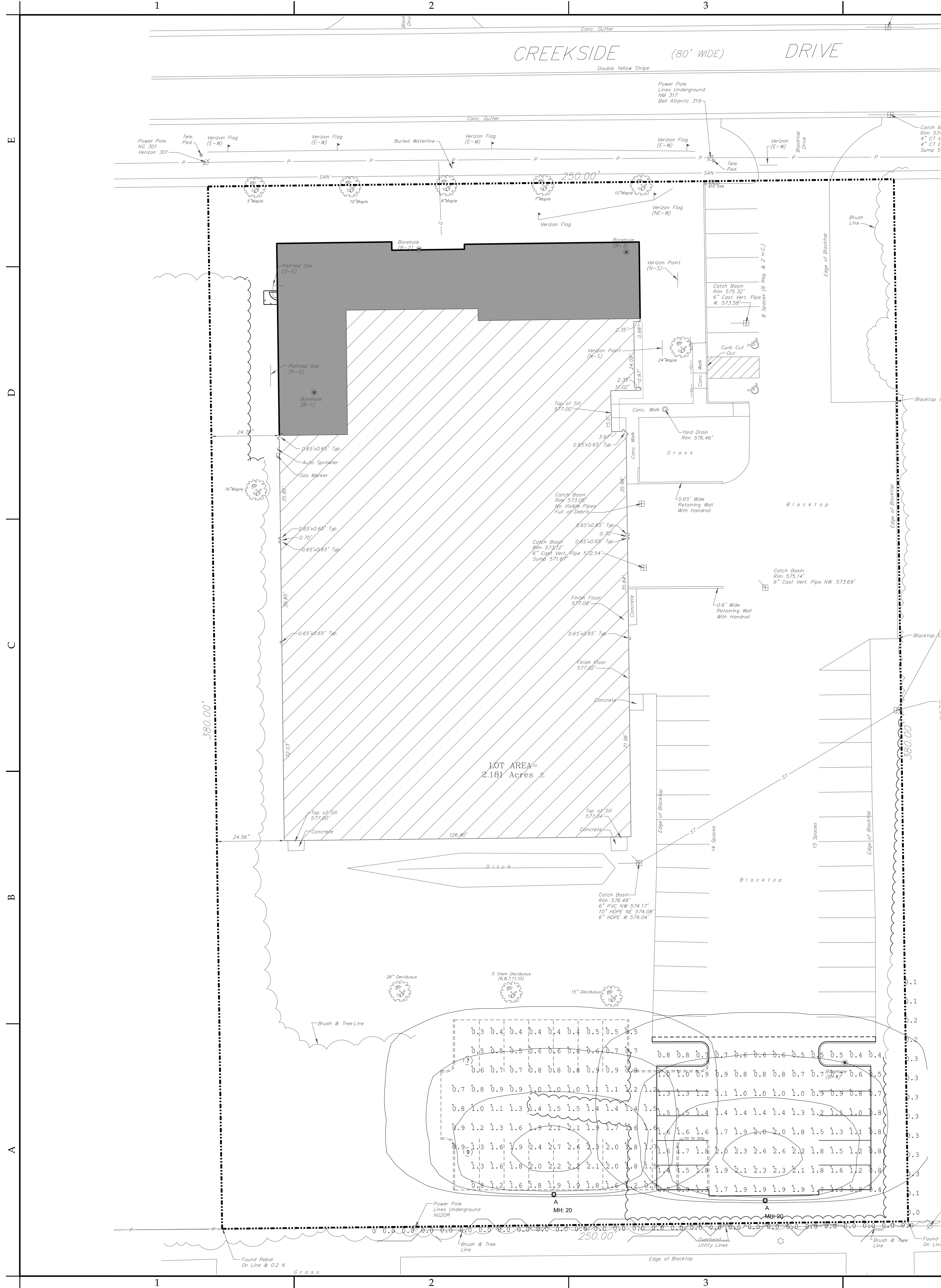


TITLE:
 LANDSCAPING PLAN

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SA JOB #: 21019.01 DATE: 04/19/24

C-105



D-Series Size 1 LED Area Luminaire

Specifications

EPA: 0.69 Ft² (0.06 m²)

Length: 32.71" (831.0mm)

Width: 14.26" (362.0mm)

Height H1: 7.88" (200.0mm)

Height H2: 2.73" (69.0mm)

Weight: 34 lbs (15.4kg)

Color Number	
Notes	
Type	

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature*	Color Rendering Index*	Distribution	Mounting	Voltage	Shipped included
DSX1 LED	Forward optics	(this section 70CRI only)	70CRI	AFR Automotive front row	TSM Type V medium	MVOLT (120V-277V) ¹	SPA Square pole mounting (8" drilling)
	P1 P6	30K 3000K	70CRI	T1S Type I short	T3G Type V low glare	HVOLT (347V-480V) ¹	SPB Round pole mounting (8" drilling)
	P2 P7	40K 4000K	70CRI	T3M Type II medium	T5W Type V wide	XVOLT (277V-480V) ¹	RPA Round pole mounting (8" drilling)
	P3 P8	50K 5000K	70CRI	T3M Type II medium	BLC3 Type II backlight control		SPAS Square pole mounting (8" drilling)
	P4 P9	(this section 80CRI only, extended lead times apply)	80CRI	T3M Type II medium	T4M Type IV medium		RPAS Round pole mounting (8" drilling)
	Retarded optics		80CRI	T4G Type IV low glare	LCCO Left corner cut-off		SPAN Square narrow pole mounting (8" drilling)
	P10 ¹ P12 ¹	27K 2700K	80CRI	T4G Type IV low glare	RCOD Right corner cut-off		WBA Wall bracket
	P11 ¹ P13 ¹	30K 3000K	80CRI	TFM Forward throw medium			MA Max arm adapter (mount on 2 3/8" OD horizontal beam)
		35K 3500K	80CRI				
		40K 4000K	80CRI				
		50K 5000K	80CRI				

Control options	Other options	Finish options
Shipped installed NLTAR2 PIRHN All light AIR gm 2 enabled with hi-level motion / ambient sensor 8-40" mounting height, ambient sensor enabled at 26" ¹ , 41" ² RIR High low motion/ambient sensor 8-40" mounting height, ambient sensor enabled at 26" ¹ , 41" ² PER NEMA twist-lock receptacle only (controls ordered separate) ¹ PER5 Five-pin receptacle only (controls ordered separate) ¹	Shipped installed SP020KV 20KV surge protection HS House-side shield (black finish standard) ² L90 Bi-level switched dimming, 30% ³ R90 Bi-level switched dimming, 30% ³ CCE Coastal Construction ⁴ HA 0-10V dimming (not pulled outside fixture, for use with an external control, ordered separately) ⁵ Shipped separately EGSR External Glass Shield (reversible, field install required, matches housing finish) BS08 Bird Spikes (field install required)	DDBXD Dark Bronze DRXD Black DNAXD Natural Aluminum DWHXD White DDBTD Tinted dark bronze DRBTD Tinted black DNATD Tinted natural aluminum DWNGXD Tinted white

LITHONIA LIGHTING
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Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Banked Parking	ILLUMINANCE	Fc	1.25	2.7	0.3	4.17	9.00
Parking Lot	ILLUMINANCE	Fc	1.27	2.6	0.4	3.18	6.50
Property Line	ILLUMINANCE	Fc	0.06	0.3	0.0	N.A.	N.A.

Luminaire Schedule

Symbol	Tag	Qty	Label	Arrangement	Description	LLF	Luminaire Lumens
	A	2	DSX1 LED P2 40K 70CRI BLC4	Single	DSX1 LED P2 40K 70CRI BLC4	1.000	7333

NOTE: MOUNTING HEIGHT = 20 FEET (MH: 20)

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 JOB CAPT. INTERIORS



TITLE:

PHOTOMETRIC PLAN

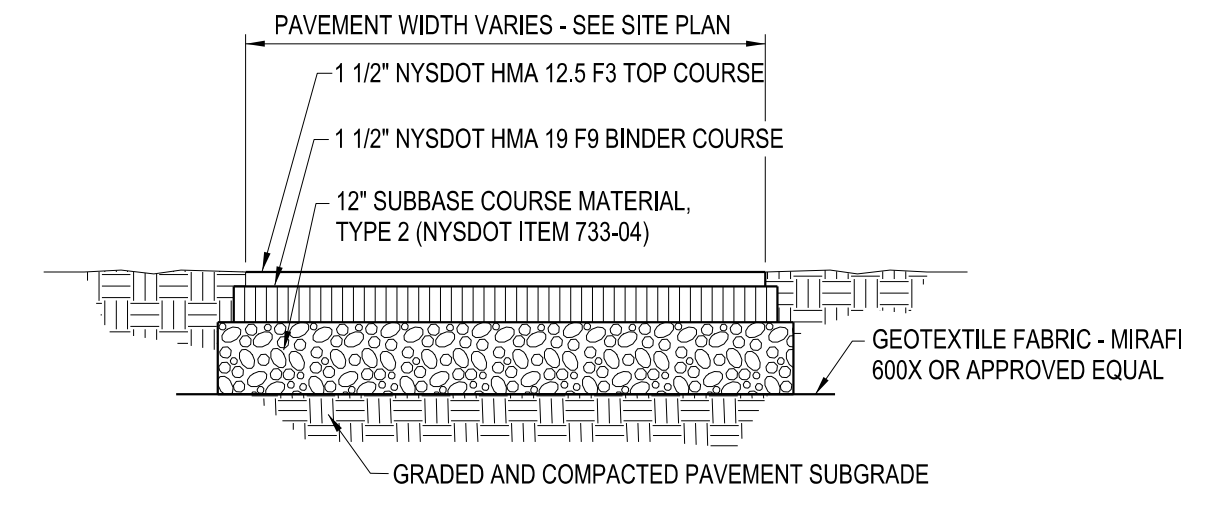
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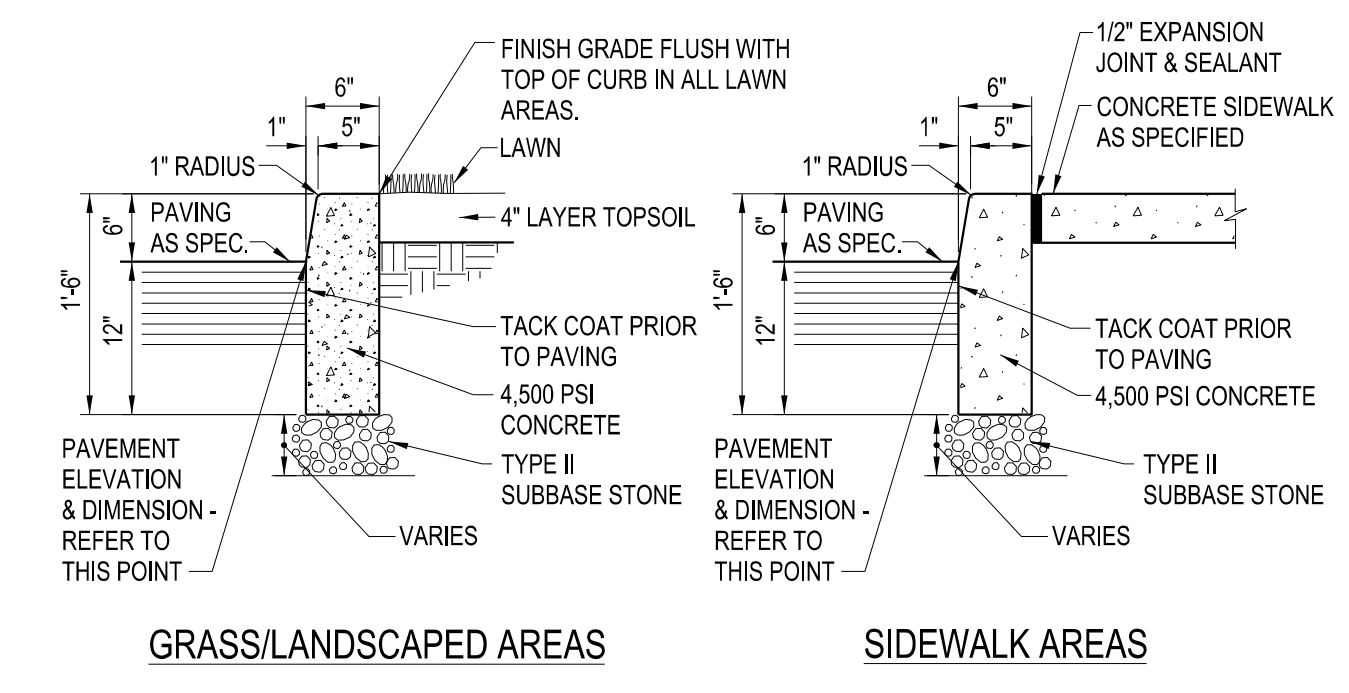
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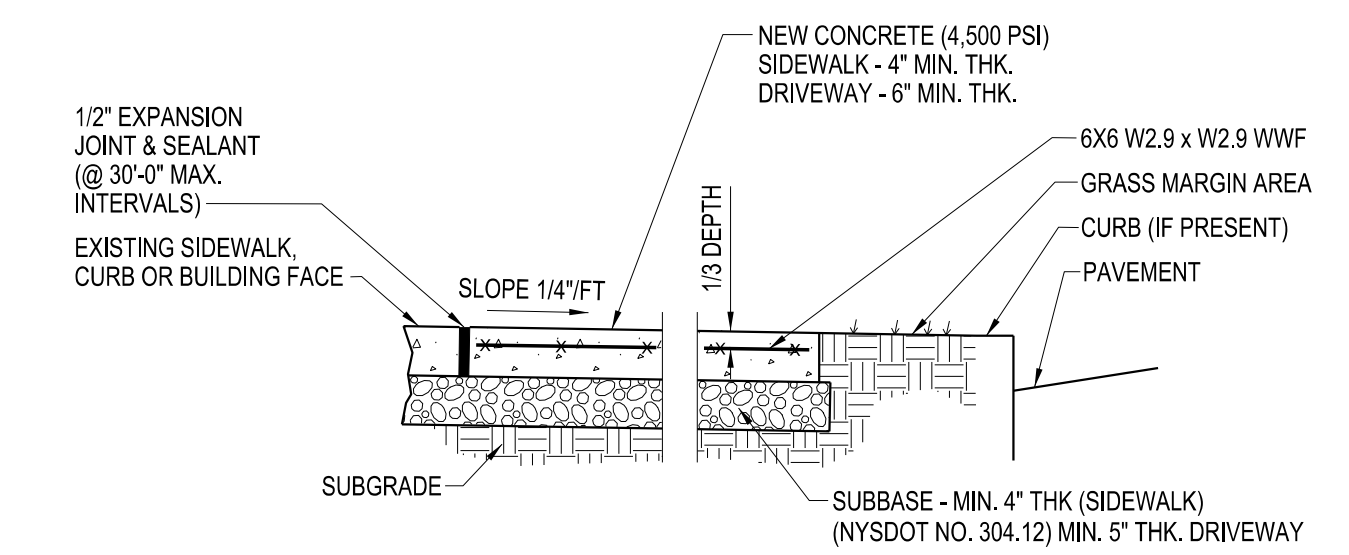
NOTE: CONSTRUCTION METHODS FOR ASPHALT PAVEMENT SHALL CONFORM TO FORMER NYSDOT STANDARD SPECIFICATION 401.3, WITH SUBBASE CONSTRUCTION METHODS CONFORMING TO NYSDOT STANDARD SPECIFICATION 304.3.

1 ASPHALT PAVEMENT SECTION
SCALE: NTS



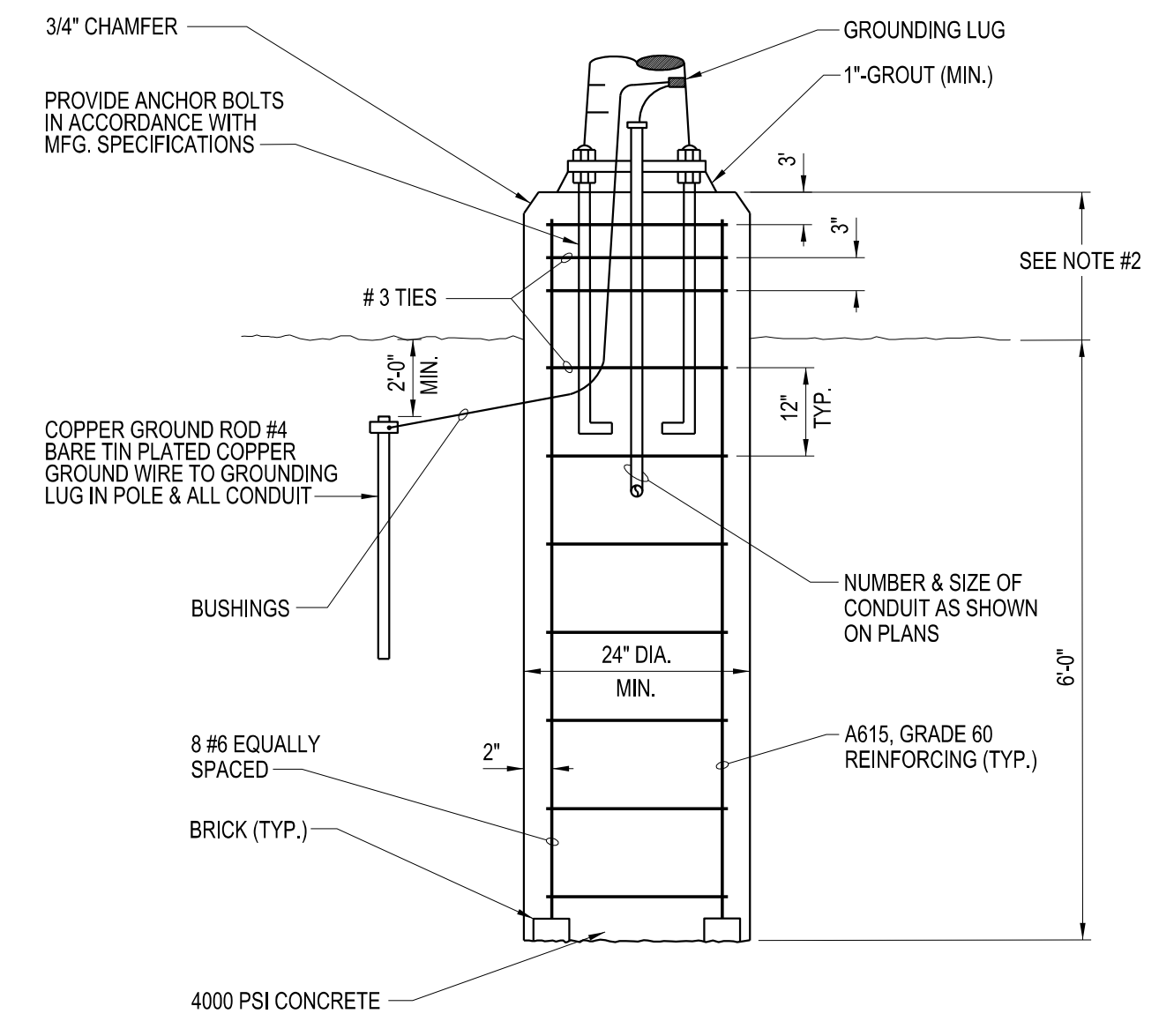
NOTE: CONTROL JOINTS TO BE 2" DEEP AT 15'-0". SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700

2 CONCRETE CURB
SCALE: NTS



NOTES:
1. CONTROL JOINTS TO BE AT 5'-0" O.C. BOTH WAYS OR AS SHOWN ON DRAWINGS. SEAL JOINTS PER SPECIFICATIONS.
2. CONCRETE SIDEWALK AND DRIVEWAY MATERIAL SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 608-3

3 CONCRETE SIDEWALK
SCALE: NTS



NOTES:
1. AUGER HOLES FOR FOOTING, INSPECT THE EXCAVATION & NOTIFY THE ENGINEER OF UNSUITABLE MATERIALS BEFORE PLACING THE STEEL & CONCRETE.
2. LIGHT POLE BASE SHALL BE: 30" ABOVE GRADE IN PAVED AREAS, 6" ABOVE GRADE IN LANDSCAPED AREAS
3. FOR LOCATIONS OF LIGHT POLES, SEE SITE PLAN.

4 LIGHT POLE FOUNDATION 'A'
SCALE: NTS

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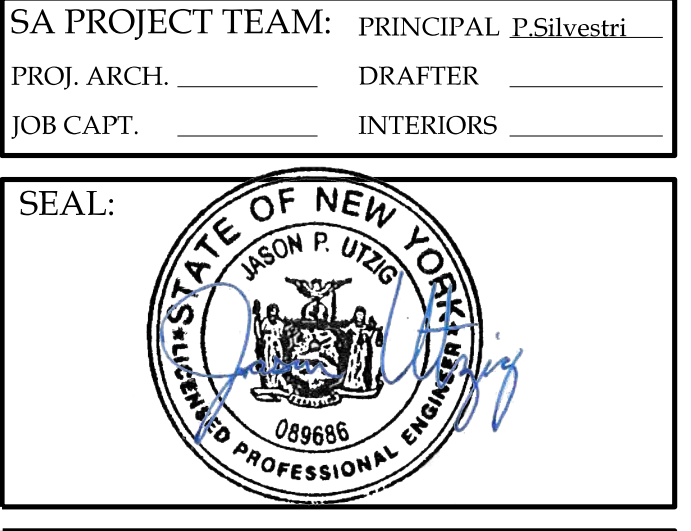
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TITLE:
SITE DETAILS



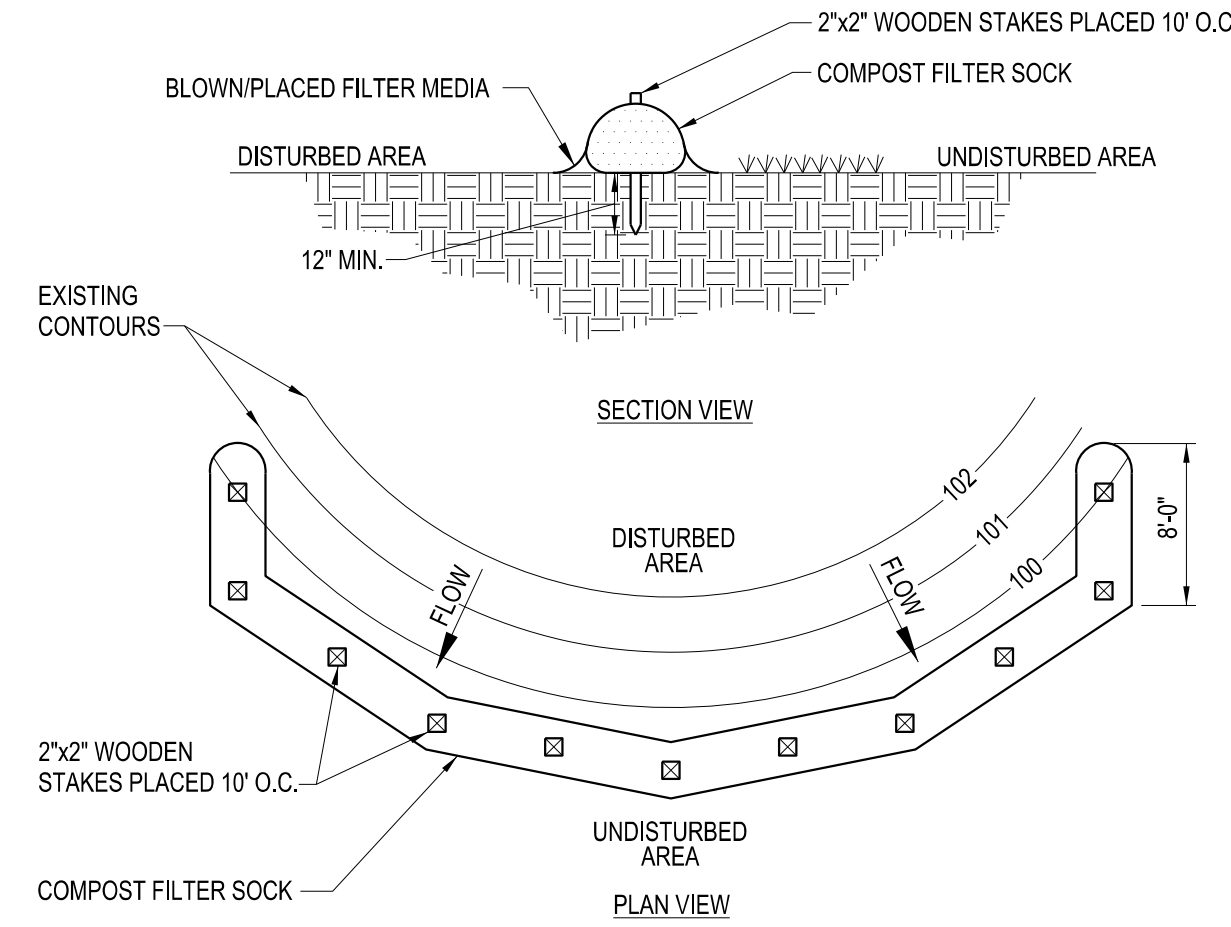
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C-501

EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL PROCEDURE SHALL BE ADHERED TO BY THE CONTRACTOR:

1. INSTALL TEMPORARY SILT FENCE BARRIERS AS SHOWN ON THE PLAN AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT FENCE/SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
2. THE TOPSOIL SHALL BE STRIPPED & STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE AND/OR REMOVAL OF TOPSOIL FROM THE SITE MUST BE FOLLOWED.
3. ALL SILT FENCES/SOCKS SHALL BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE & REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR AND WATER APPLIED AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
6. DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED & ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
7. ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH & SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE & AS SOON AS PHYSICALLY POSSIBLE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES & CULVERTS. SILT BUILD-UP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN.
9. IN ADDITION TO STORM WATER DISCHARGES, THE FOLLOWING NON-STORM WATER DISCHARGES MAY CONTRIBUTE TO THE RUN-OFF FROM THE SITE:
 - WATER FROM WATER SERVICE FLUSHINGS
 - WATER USED TO WASH DOWN CONSTRUCTION VEHICLES (NO DETERGENTS)
 - WATER USED FOR DUST CONTROL
 - UNCONTAMINATED GROUNDWATER
10. THE ABOVE NON-STORM WATER FLOWS SHALL BE TREATED IN THE SAME MANNER AS STORM WATER FLOWS INDICATED HERIN.



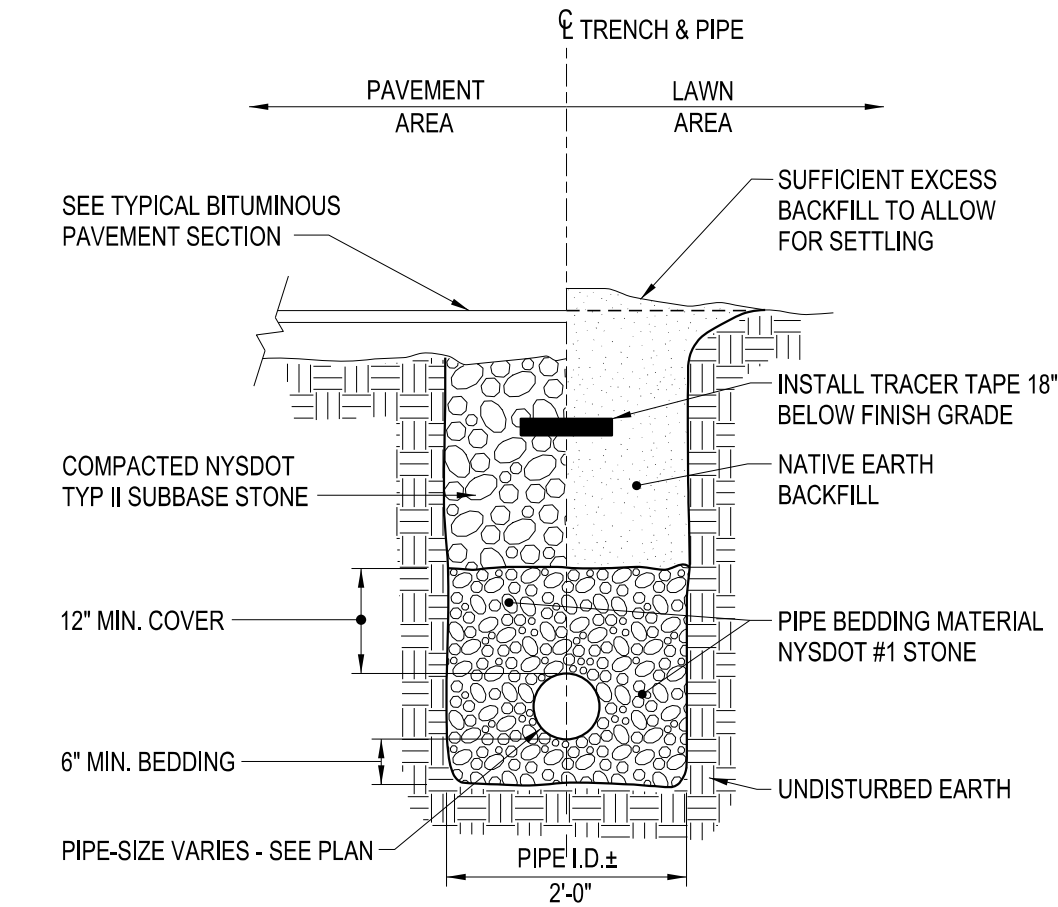
ADAPTED FROM DETAILS PROVIDED BY: FILTREXX

COMPOST STANDARDS TABLE	
ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT)
ORGANIC PORTION	FIBROUS & ELONGATED
PH	6.0 - 8.0
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	100 % PASSING A 1" SCREEN 10 - 50% PASSING A 3/8" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 ds/M (mmhos/cm) MAXIMUM

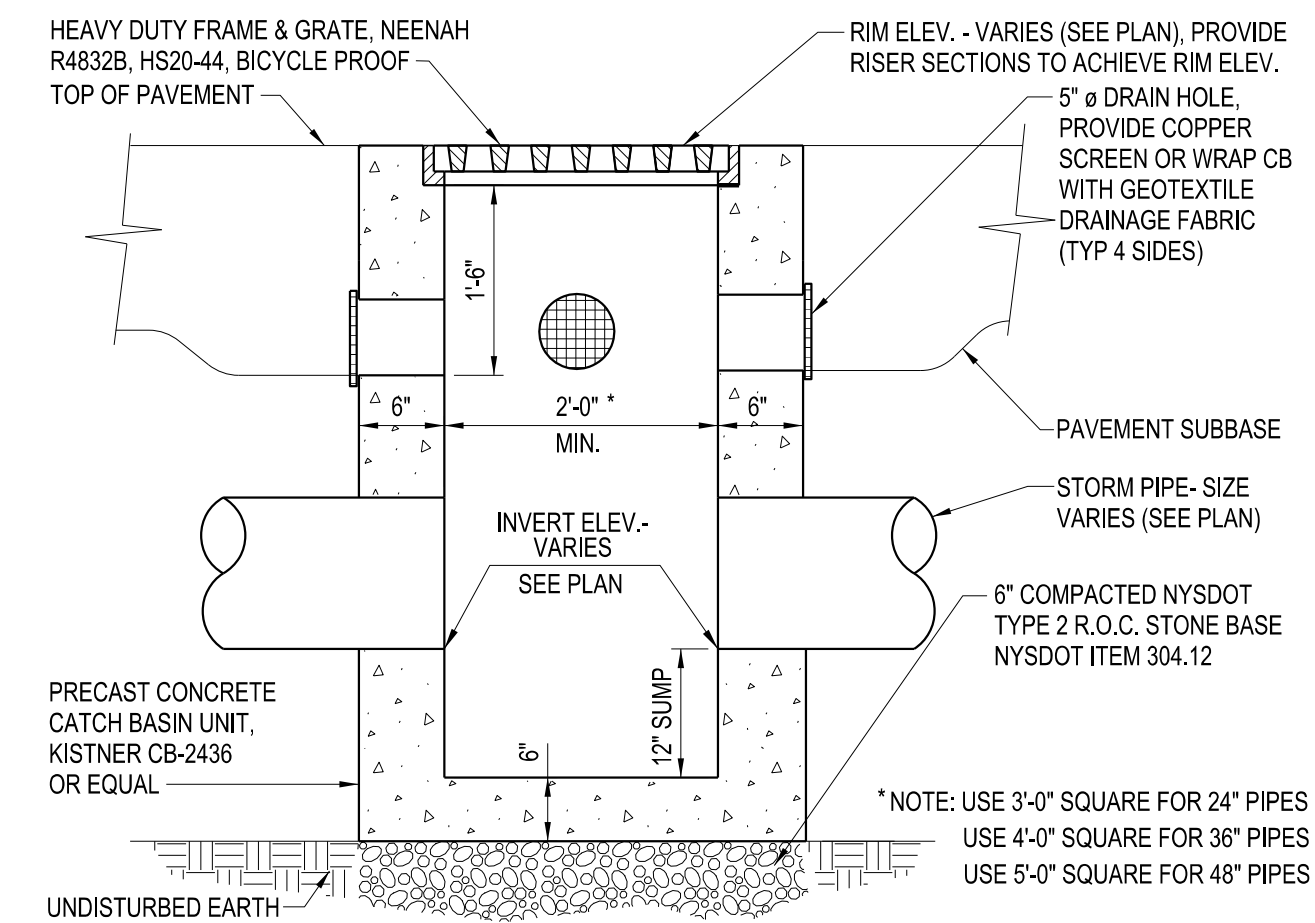
1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT (FIGURE 5.2). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE X.X. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK & DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK

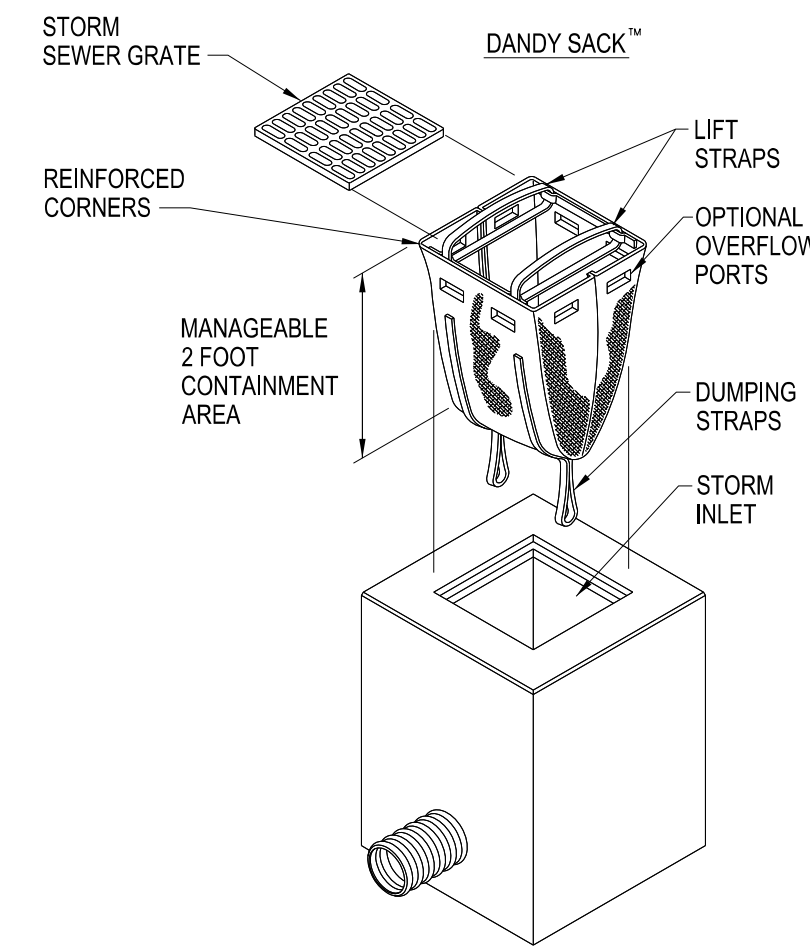
SCALE: NTS



STORM PIPE TRENCH SECTION
SCALE: NTS



TYPICAL PRECAST CATCH BASIN
SCALE: NTS



DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
GRAB TENSILE ELONGATION	ASTM D 4632	%	15 x 15
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.67 (150)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	5506 (800)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV RESISTANCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	1/min/m ² (gal/min/ft ²)	2852 (70)
PERMITTIVITY	ASTM D 4491	Sec ⁻¹	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 X 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV RESISTANCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	1/min/m ² (gal/min/ft ²)	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec ⁻¹	2.1

*NOTE: DANDY SACKS™ CAN BE ORDERED WITH OUR OPTIONAL OIL ABSORBENT PILLOWS.

FILTER SACK INLET PROTECTION

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