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BUILDING TYPE

CANOPY TYPE

TYPE OF MPD'S

ZONE A

ZONE B

ZONE C

OF ADA SPACES

SETBACKS (WAWA)

TOTAL # OF SPACES

OF MPD'S

CANOPY CONFIGURATION:

OF TRUCK / OVERSIZED PARKING

FRONT YARD (W.H.P.) - 25 FT

REAR YARD - 20 FT (R-I ZONE)

FRONT YARD (W.H.P.) - 25 FT

FRONT YARD (W. PARK) - 25 FT

REAR YARD - 20 FT (R-I ZONE)

SETBACKS (GAS CANOPY)

ASPHALT INSIDE R.O.W.

MULCH AREAS

LAWN AREA TO BE MOWED

FRONT YARD (W. CEDAR) - 25 FT 66.2 FT

FRONT YARD (W. PARK) - 25 FT 151.8 FT

FRONT YARD (W. CEDAR) - 25 FT | 196.6 FT

W50M

SIX (6)

3+1 PRODUCT

50 SPACES

23 SPACES

13 SPACES

14 SPACES

2 SPACES

0 SPACES

85.5 FT

69.6 FT

65.5 FT

36.1 FT

76.6 FT

28,372 SF

21,407 SF

4,818 SF

SLOPED STACKED

> NOTE: REDEVELOPMENT AREA OVERLAY ZONE CREATED BASED ON ORDINANCE #10-20 AMENDING BOROUGH OF OAKLYN CHAPTER 125 ZONING CODE. ADOPTED ON 2020-12-08.

PLANS PREPARED BY:



Rutherford, NJ \cdot New York, NY Princeton, NJ \cdot Tampa, FL \cdot Detroit, MI www.stonefieldeng.com

15 Spring Street, Princeton, NJ 08542 Phone 609.362.6900

PLAN REFERENCE MATERIALS:

I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS **INCLUDING, BUT NOT LIMITED TO:**

- SURVEY PREPARED BY STONEFIELD ENGINEERING, DATED MARCH 10TH, 2020.
- AERIAL MAP OBTAINED MARCH 11TH, 2020. LOCATION MAP OBTAINED MARCH 11TH, 2020
- **REPORT OF GEOTECHNICAL INVESTIGATION PREPARED** BY EARTH ENGINEERING INCORPORATED. DATED

FEBRUARY 14TH, 2020. 2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.



C-I



. BOROUGH OF OAKLYN, TOWNSHIP OF HADDON, AND BOROUGH OF AUDUBON ZONING MAPS.

EXISTING CONDITIONS PLAN

DEMOLITION PLAN

GRADING PLAN

DRAINAGE PLAN

UTILITY PLAN

ADA GRADING PLAN

STORMWATER PROFILES

SANITARY SEWER PROFILES

LIGHTING PLAN AND DETAILS

SOIL EROSION AND SEDIMENT

LANDSCAPING PLAN & DETAILS

WB-50 TRUCK CIRCULATION PLAN

C-22

CONSTRUCTION DETAILS

SIGNAGE DETAILS

SITE PLAN

ATTORNEY

DUNCAN PRIME, ESQ 1400 HORZION WAY MOUNT LAUREL, NEW JERSEY 08054

> **BK WHP REALTY, LLC** 325 NORTH ROUTE 73 **MARLTON NJ, 08053**

ANNETTE JOHNSON **7 WEST CEDAR AVENUE** OAKLYN NJ, 08107

18 WEST PARK AVENUE OAKLYN NJ, 08107

ISEMAN SHERRI & 20 WEST PARK AVENUE OAKLYN NJ, 08107



VCETONIZI2019/Z-19214 J&J DEVELOPMENT - 1006 WHITEHORSE PIKE, OAKLYN, NJICADDIPLOTICIVIL PLANSILDP-02-EX





4. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.

THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTORS EXPENSE. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE

APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC. WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR

TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE

GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS. 11. THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE

PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES. 12. SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

RETAIL

FUEL SALES

SYMBOL	DESCRIPTION
	PROPERTY LINE
	SETBACK LINE
	SAWCUT LINE
	PROPOSED CURB
	PROPOSED DEPRESSED CURB
	PROPOSED FLUSH CURB
	PROPOSED MOUNTABLE CURB
	PROPOSED EXTENDED CURB
- 0 0	PROPOSED SIGNS / BOLLARDS
	PROPOSED BUILDING
	PROPOSED 4" CONCRETE (3500 PSI)
	PROPOSED 6" CONCRETE (4000 PSI)
	PROPOSED 8" CONCRETE (4000 PSI)

PROPOSED BUILDING DOORS

LAND USE		IG	
BLOCK 60,	LOTS 9-20 & 22.01		
REDEVELOPEMEN	T AREA OVERLAY Z	ZONE*	
	REDEVELOPMENT A	REA OVERLAY ZONE:	PERMITTED
	REDEVELOPMENT A	REA OVERLAY ZONE:	PERMITTED
REMENT	REQUIRED (B-I)	REQUIRED (R-I)	PROPOSED (OVERALL)
EA	6,000 SF	5,000 SF	83,005 SF
AREA	1,500 SF	1,500 SF	5,585 SF
ONTAGE	50 FT	50 FT	776.1 FT

MINIMUM FRONT YARD SETBACK - WHITEHORSE PIKE	25 FT	25 FT	85.9 FT (WAWA) 65.5 FT (CANOPY)
MINIMUM FRONT YARD SETBACK - W. CEDAR AVENUE	25 FT	25 FT	66.2 FT (WAWA) 196.6 FT (CANOPY)
MINIMUM FRONT YARD SETBACK - W. PARK AVENUE	25 FT	25 FT	151.8 FT (WAWA) 36.1 FT (CANOPY)
MINIMUM SIDE YARD SETBACK (EACH)	I0 FT	I0 FT	N/A
MINIMUM REAR YARD SETBACK	10 FT	20 FT	69.6 FT (WAWA) 76.6 FT (CANOPY)
MAXIMUM BUILDING HEIGHT	35 FT	35 FT	< 35 FT
MAXIMUM LOT COVERAGE	50%	50%	70% (*)
MAXIMUM BUILDING HEIGHT - ACCESSORY USE	16 FT	16 FT	N/A

(*) REDEVELOPMENT AREA OVERLAY ZONE CREATED BASED ON ORDINANCE #10-20 AMENDING BOROUGH OF OAKLYN CHAPTER 125 ZONING CODE. ADOPTED ON 2020-12-08.

IREMENTS		SIGNAGE REQUIRE	MENTS
ROPOSED	CODE SECTION	REQUIRED	PROPOSED
4.2 FT (*)	§ 125-50(E) AMENDED (*)	MIN. SIGN SETBACK: 3.0 FT FROM	ROW 3.0 FT FROM PARK AVE R.O.W. (*)
0 FT × 20 FT	§ 125-50(F)	MAX SIGN HEIGHT: 20 FT	20 FT
25 FT	§ 125-50(G)	NO WALL SIGN SHALL EXTEND B THREE FEET OF THE BUILDING FA ON WHICH IT IS MOUNTED.	EYOND CADE COMPLIES
2 FT × 20 FT	§ 125-50(L) AMENDED (*)	NO SIGN SHALL BE ILLUMINATED BETWEEN 10:00 PM AND 7:00 AM T FOLLOWING MORNING UNLESS T BUSINESS OR USE SO ADVERTISED TO THE PUBLIC LATER THAN 10:0 IN WHICH CASE THE SIGN MAY R ILLUMINATED UNTIL THE BUSINES CLOSES, BUT NOT AFTER	THE THE 0 P.M., 24-HOUR EMAIN ILLUMINATION (24 SS HOUR OPERATION (*)
COMPLIES	§ 125-50(M)	NO SIGN SHALL BE SO ERECTED C LOCATED AS TO OBSTRUCT FREE TO A DOORWAY, FIRE ESCAPE OF WINDOW.	DR ACCESS COMPLIES
COMPLIES PROPOSED	§ 125-51(G) AMENDED (*)	FUNCTIONAL SIGN: "DIRECTIONAL SIGN" CAN CONT ADVERTISING	AIN COMPLIES (*)
6 FT X 138 FT > 14 FT CLEARANCE	§ 125-51(H) AMENDED (*)	ONE WALL / FACADE SIGN PERMIT ON EACH SIDE OF A BUILDING	TTED
		MAX AREA: 70 SF	67.70 SF (*)
COMPLIES	§ 125-52(K) AMENDED (*)	ONE FREESTANDING SIGN PERMIT PER STREET FRONTAGE	TTED TWO (2) FREESTANDING SIGNS (*)
	(*) REDEVELOPM ORDINANCE ZONING CC	1ENT AREA OVERLAY ZONE CREATED #10-20 AMENDING BOROUGH OF O DDE. ADOPTED ON 2020-12-08.) BASED ON AKLYN CHAPTER 125
50 SPACES		20' 0'	20' 40'
FER 125		GRAPHIC SCALE IN	FEET

					FOR BOROUGH SUBMISSION	FOR CAMDEN SCD SUBMISSION	PER DYNAMIC COMMENTS	FOR BOROUGH SUBMISSION	DESCRIPTION
					0 AC	0 JCL	0 JCL	0 JCL	ВΥ
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	STODALETICAL STODALETICAL Stodasign Stodasign Storach Rutherford, NJ · New York, NY · Boston, MA Princeton, NJ · Tampa, FL · Detroit, MI Www.stonefieldeng.com I5 Spring Street, Princeton, NJ 08542 Phone 609.362.6900								
PRELIMINARY & FINAL MAJOR SITE PLAN	PROPOSED CONVENIENCE STORE	WITH FUEL SALES							BOROUGH OF OAKLYN CAMDEN COUNTY, NEW JERSEY
	JEFFREY A. MARTELL, P.E. NEW JERSEY LICENSE No. 47290 LICENSED PROFESSIONAL ENGINEER								
		Sen	I gin	O eeri	N ng a	E & de	F sig	El n	LD
SCALE TITLE	: :		1" =	20'	PR	OJEC): Z	-19214
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Δ **H**ig Ī BLOCK 60, 1006 WHIT BOROUGH CAMDEN 6 JEFFREY A. MARTELL, P.E. NEW JERSEY LICENSE No. 47290 LICENSED PROFESSIONAL ENGINEER engineering & design I" = 20' PROJECT ID: Z-19214 **GRADING PLAN C-5**

JC JC AC

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NCETONIZI2019/Z-19214 J&J DEVELOPMENT - 1006 WHITEHORSE PKE, OAKLYN, NJICADDIPLOTICIVIL PLANSILDP-05-08-GRAD-DRAI







DRAINAGE AND UTILITY NOTES

- I. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING.
- 2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED. 3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO
- ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF THE PROPOSED WORK DURING CONSTRUCTION. 4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED
- BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
- 5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC. 6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO
- CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY. 8. CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY
- SEWER AT THE LOWEST INVERT AND WORK UP-GRADIENT. 9. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
- 10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.

GRAPHIC SCALE IN FEET I" = 20'







H: I" = I0' V: I" = 2'

						AC FOR BOROUGH SUBMISSION	JCL FOR CAMDEN SCD SUBMISSION	JCL PER DYNAMIC COMMENTS	JCL FOR BOROUGH SUBMISSION	BY DESCRIPTION
						04/2020	6/2020	3/2020	01/2020	DATE
_						4 12/	3 07/	2 05/	I 04/	ssue [
	NOT APPROVED FOR CONSTRUCTION								<u>∽</u> ΓION	
	STODALELICAL STORALELICAL Sucherford, NJ • New York, NY • Boston, MA Princeton, NJ • New York, NY • Boston, MA Princeton, NJ • Tampa, FL • Detroit, MI www.stonefieldeng.com I5 Spring Street, Princeton, NJ 08542 Phone 609.362.6900									
PRELIMINARY & FINAL MAIOR SITE PLAN	PRELIMINARY & FINAL MAJOR SITE PLAN PROPOSED CONVENIENCE STORE WITH FUEL SALES BLOCK 60, LOTS 9-20 & 22.01 BLOCK 60, LOTS 9-20 & 22.01 BLOCK 60, LOTS 9-20 & 22.01 BLOCK 60, LOTS 9-20 & 22.01 COMPLET SALES									
SC/	JEFFREY A. MARTELL, P.E. NEW JERSEY LICENSE No. 47290 LICENSED PROFESSIONAL ENGINEER STONEFFIELD engineering & design SCALE: AS SHOWN PROJECT ID: Z-19214 TITLE:									
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				PROPOSED LUMINAIRE S					
SYMBOL	LAB	EL QU	JANTITY	SECURITY LIGHTING	DISTRIBUTIO	N LLF MANUFACTURER	IES FILE		
	A		4	CREE EDGE SERIES AREA LIGHT - 60 LED - 700mA - 57K - I 34 WATTS	3MB	I.030 CREE LIGHTING	ARE-EDG-3MB-DA-06-E-UL- WH-700-57K	C E D A R	
	В		5	CREE EDGE SERIES AREA LIGHT - 60 LED - 700mA - 57K - I 34 WATTS	4MB	I.030 CREE LIGHTING	ARE-EDG-4MB-DA-06-E-UL- WH-700-57K		
	с		18	CREE EDGE SERIES CANOPY LIGHT - 60 LED - 700mA - 57K - 134 WATTS	SL	I.030 CREE LIGHTING	CAN-304-SL-RD-06-E-UL-WH- 700-57K		
0	C		9	CREE EDGE SERIES CANOPY - 20L - 35K - 27.2 WATTS		I.020 CREE LIGHTING	KR6-20L-35K-120V + KR6T- SSGC-FF		LIGH
	E		2	FC/SSL LIGHTING CANOPY - 35K - 20 WATTS	-	I.000 FC/SSL LIGHTING	FCWS7170-XXX-35K-2500- CRI85-XX-D	^{6.1} ⁶ ¹	S REQUIRED LIGHTS WITHIN PAR PREVENT GLARE, TH
	F		10	CREE EDGE SERIES WALL LIGHT - 40 LED - 350mA - 57K - 43 WATTS	_	1.030 CREE LIGHTING	SEC-EDG-3M-WM-04-E-UL- WH-350-57K	$\begin{bmatrix} 0.2 & 0.2 & 0.1 & 66' \text{ WADE RIGHT: OF WAY.0} & 0.0 & 0$	
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р ононон СОNС WALK	он —	н — он —	— он — он —		.1 0.1	to.1 to.1 to.1 to.2 conc.walk to.2 to.2 to.2		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
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		⁺ 0.0	0.0 ⁺ 0.0	$\begin{array}{c} & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & &$.0 4.3		⁺ 2.7 ⁺ 3.7 ⁺ 3.9 ⁺ 3.7	$\begin{array}{c} \begin{array}{c} 1 \\ 1 \\ 2.9 \\ 2.0 \\ 1.7 \\ 2.9 \\ 2.0 \\ 1.7 \\ 2.3 \\ 2.1 \\ 1.7 \\ 2.3 \\ 2.1 \\ 1.9 \\ 2.0 \\ 1.9 \\ 2.0 \\ 1.9 \\ 2.6 \\ 2.1 \\ 2.5 \\ 2.2 \\ 2.3 \\ 2.1 \\ 2.5 \\ 2.2 \\ 2.3 \\ 3.3 \\ 4.7 \\ 5.6 \\ 4.5 $	
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		⁺ 0.0	0.0		.8 6.3		4 .6 ¹ .9	$1.5 \times 1.3 \times 11 \times 10^{-1} \times 10^{-1}$	1 0.1 1 0.1 1 0.1
	⁺ 0.0	⁺ 0.0) ⁺ 0.0		.3 ⁺ 6.3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} \hline & \hline & \hline & \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	¹ <i>K</i> , <i>G</i> 0.2 <i>β</i> ⁺ 0.1
	⁺ 0.0	⁺ 0.0) ⁺ 0.0		.2 9.6	$\begin{array}{c} \mathbf{T} \left(17, 11, 3 \right) \left(19, 32 \right)^{3} \\ 7 \left(17, 11, 3 \right) \left(19, 32 \right)^{3} \\ 7 \left(19, 32 \right)^{3} \\ 7 \left(17, 11, 3 \right) \left(19, 32 \right)^{3} \\ 7 \left(19, 32 \right)^{3} \\ 7 \left(19, 32 \right)^{3} \\ 7 \left(19, 11 \right)^{3} \\ 7 \left(19,$	$\frac{12}{15}$	$ \frac{1}{12} + \frac{1}{12}$	+0.∬ [∞] 0.∬⊌ ⁺ 0.1
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	⁺ 0.0	+ 0.0	⁺ 0.0	0.1 0.1 0.2 0.3 0.5 0.9 1.5 3	.0 9 .3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} & & & & \\ \hline 30 & & & & 23 \\ \hline 35 & & & & & \\ \hline 35 & & & & & & \\ \hline 35 & & & & & & \\ \hline & & & & & & \\ \hline \end{array}$	2.2 4.1 593 (F (12') (11') (12') (11	∮ 0.1 ⁺ 0.1
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PRINCETONIZI2019/Z-19214 J&J DEVELOPMENT - 1006 WHITEHORSE PIKE, OAKLYN, NJICADDIPLOTICIVIL PLANSILDP-13-14-SE



MIN. PUBLIC ROADWAY I. STONES: I. STONES: No. 3 (2" 2. WIDTH THE ACC 3. STORMV AWAY F POORLY GRAVEL BEFORE 2. WHERE 3. STABILIZ SHALL BI	SLOPE OF PUBLIC ROADWAY 0% TO 2% 2% TO 5% 2% TO 5% > 5% SHALL BE ASTM (TO 1") CLEAN (SHALL BE I5' MII CESS POINT, WH VATER FROM UF ROM THE STABI DRAINED LOC/ FILTER OR GEO' THE STABLIZED THE SLOPE OF HO E INSTALLED. T	LENGTH OF S COARSE GRAINED SOILS 50 FEET 100 FEET SEE NO SEE NO COULT SEE NO COULT SEE NO CONSTRUCTION THE ROADWAY ED CONSTRUCTION THE ROADWAY ED THIX ASPHALT E HE TYPE AND TH	TONE REQ'D FINE GRAINED SOILS 100 FEET 200 FEET DTE 4 .5" TO 1.5") OR AR STONE. JLL WIDTH OF .TER. IALL BE DIVERTE RE POSSIBLE. AT ACE DRAINAGE E INSTALLED N ENTRANCE. SASE COURSE ICKNESS OF THE							0 AC FOR BOROUGH SUBMISSION	0 JCL PER DYNAMIC COMMENTS	0 JCL FOR BOROUGH SUBMISSION	BY DESCRIPTION
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TRUCTION A	ACCESS	5 DETA	<u>IL</u>			3	NO	T APPROV	ed foi	r Coi	NSTR	UCT	ION
DARD FOR LAND GRADING Definition lanned elevations which are determined by topograph Purpose ng: Provide more suitable sites for land development conditions Where Practice Applies lanned elevations is practical and it is determined that ation over large areas shall be avoided. It may be nece Water Quality Enhancement et against soil loss from erosion, enhance establish stormwater runoff all of which will reduce off site disc <u>Planning Criteria</u> ed upon adequate topographic surveys and investigati tization structures, retaining walls and subsurface dra nd installed in accordance with the applicable standar an shall include the following: lls shall be no steeper than the safe angle of repose for maintenance.	tic survey and tic survey and ti improve surface t grading is needed. ssary to provide for ment of permanent harge of pollutants. ions. The plan is uld also include ge. Facilities such ins should be d contained r the materials ed from erosion.							STONEFIELD engineering & design	Rutherford, NI • New York, NY • Boston, MA	Princeton, NJ • Tampa, FL • Detroit, MI	www.stonefieldeng.com	15 Spring Street. Princeton. NI 08542	Phone 609.362.6900
uct surface water to storm drains or suitable water co- nut faces and fill slopes. a areas having a high water table, to intercept seepage g foundations or create undesirable wotness. See Stan com excavation and filling operations. bank of a stream or channel, unless provisions are mad- ner environmental functions of the stream. psoil shall be free of excessive compaction to a depth of etative cover. solution for excessive soil compaction in light of the in- permanent vegetation is to be established and mitigati- s will not require compaction remediation including, be tions with basements, 12 feet from slab or crawl space II be required to support post-construction vehicular tr (including gravel surfaces), bioycle paths or pedestria ortation facilities ment specified soil designs, including golf courses, la wetfined ponds, etc. ther local, state or federal regulations which dictate so redevelopment areas, in-fill areas, recycling yards, ju riate for safe operation of equipment equipment travel or ofter disturbance has taken place tive stabilization in accordance with the Standard, diation partices is 500 square feet or less in size, set to the surface) bedrock conditions. action testing and/or mitigation shall be graphically der rever remediation is not necessary will be required in art at are not otherwise exempted above. Testing method led by, the contractor or other project owner's represer be performed for projects with an overall limit of distur- ance of the overall limit of disturbance for larger area co subject to testing. Tests shall have the option to be darea (excluding exempt areas) or to perform addit whereupon only the excessively compacted areas wou en subsoil compaction remediation (scarification/tillag sequence of construction.	urses and to e that would dard for de to protect the of 6.0 inches to no of excessive soil ut not limited to the construction. affic loads such as in walkways and fills, wetland il conditions ink yards, noted on the eas where shall be selected, native (e.g. urbane of up to s which shall be representative of creating to lid require ge (6" minimum						PRELIMINARY & FINAL MAJOR SITE PLAN	PROPOSED CONVENIENCE STORE WITH FUEL SALES				BLOCK 60, LOTS 9-20 & 22.01 1006 WHITEHORSE PIKE	BOROUGH OF OAKLYN CAMDEN COUNTY, NEW JERSEY
Imm wre (15-1/2 gauge steel wire - e.g. survey mark length, with 6" inches from one end visibly marked he wire flag near the flag end and push it vertically it idd to the lesser of a 6 inch depth or the depth at which lepth at which it bends due to resistance in the soil. T ming at least 6" into the ground by hand, without the is suspected (rocks, root, debris, etc.) the test can b iccessful the soil is not excessively compacted. If the to reaching 6 inches in depth) the soil may be excess er testing via method 3 or 4 below is required, the ch Method on the Standard Operation Procedure (SOP) #RCE20 ion, Implemented June 1, 2010, last revised February sis shall be considered passing. If the result is greate land compaction mitigation or further testing via me the contractor/owner's discretion.	set rigg straight on the wire, into the soil at the wire should use of tools. If e repeated in the e wire is difficult to sively compacted noice of which is at 010-001, prepared y 28, 2011. A r than 300 psi the thod 3 or 4 below is ly undisturbed or Soil Bulk Density 001. When the resence of large samples, this test Pro	Table 19-1 Max Source: USDA Information Sh 5. Additional testing metho and which produce a dr subject to District approv sectors for Soil Compaction M	imum Dry Bulk Densities (gra Soil Type/Texture Coarse, Medium and Fine Sands and Loamy Sands Very Fine Sand and Loamy Sandy Loam Sandy Clay Loam Clay Loam Sandy Clay Loam Sitty Clay Loam Sitty Clay Loam Sitty Clay Clay Clay Clay Clay Clay Clay Clay	ams'eubic centimeter) by soil ty Bulk Density (g/cc) 1.80 1.77 1.75 1.70 1.65 1.60 1.55 1.45 1.45 1.40 on Service, Soil Quality neurns: Compaction, April 199 A standards and specifications measurement: may be allowed esting, as identified above, pro- II and establishment of perman	type 26 s, cl peedures shall be used nent vegetative cover.			JEFFREY NEW JEF LICENSED	A. MA RSEY LICE PROFESSI FOI ineerir		LL, P b. 47290 NGINE	.E. R EL	_D
root channels or poor soil tube contact within the sar or other foreign objects he upper or lower surface of the samples (i-iii) above are found, the defective core(s) shall be eplicate sample for each defective replicate sample. er volume) results shall be compared with the Maxin f less than or equal to the applicable maximum bulk greater than the maximum bulk density the soil shall citon mitigation is required.	mples; Rei dan a No disoarded Tim The bulk density num Dry Bulk Top density shall be the considered Fill	storation of compacted soils shal ger to underground utilities (cab ecw Jersey Licensed Professional tallation Requirements her, logs, brush, rubbish, rocks, et the planned stability or fill are essoil is to be stripped and stockp uiring topsoil. See Standard for material is to be free of brush, r	1 to through deep scarification (es, irrigation systems, etc.) or Engineer. stumps and vegetative matter as shall be removed and dispe- iled in amounts necessary to ce Topsoiling, pg. 8–1.	ntullage (6" minimum depth) w in the alternative, another me which will interfere with the g osed of according to the plan. omplete finish grading of all ev re matter and stunips in amount	where there is no thod as specified by grading operation or exposed areas its that will be		SCALI TITLE	E: AS SHO SOIL EDIME		PROJE		* Z- & RO	19214
w Jersey Licensed Professional Engineer and conduc to ASTM D6938. The bulk density measurement re Bulk Densities in Table 19-1. A result of less than o shall be considered passing. If the result is greater th dered excessively compacted and compaction mitigat	detr All purj sults shall be All r equal to the Star an the maximum tion is required. Cor	innental to constructing stable fil structural fills shall be compacte pose and as required to reduce sl disturbed areas shall be left with ndards for Permanent Vegetative es to be retained shall be protect istruction, pg. 9-1.	ls ed as determined by structural ipping, erosion or excessive sa i a neat and finished appearance Cover for Soïl Stabilization, j ed if necessary in accordance o	engineering requirements for t sturation. ce and shall be protected from pg. 4-1. with the Standard for Tree Pro	their intended erosion. See plection During		D RAW	NOTES VING:	<u>ani</u> C-	<u>)</u>	<u>ет</u> /	AIL	<u>.S</u>



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IRRIGATION NOTE:

IRRIGATION CONTRACTOR TO PROVIDE A DESIGN FOR AN IRRIGATION SYSTEM SEPARATING PLANTING BEDS FROM LAWN AREA. PRIOR TO CONSTRUCTION, DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE DESIGNER FOR REVIEW AND APPROVAL. WHERE POSSIBLE, DRIP IRRIGATION AND OTHER WATER CONSERVATION TECHNIQUES SUCH AS RAIN SENSORS SHALL BE IMPLEMENTED. CONTRACTOR TO VERIFY MAXIMUM ON SITE DYNAMIC WATER PRESSURE AVAILABLE MEASURED IN PSI. PRESSURE REDUCING DEVICES OR BOOSTER PUMPS SHALL BE PROVIDED TO MEET SYSTEM PRESSURE REQUIREMENTS. DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, CONTROLLERS, AND SLEEVES WITHIN HARDSCAPE AREAS.

LANDSCAPING NOTES

- THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS
- THE CONTRACTOR SHALL RESTORE ALL DISTORED LAWR AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED.
 THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM 3 INCH LAYER OF MULCH .
- THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO I FOOT VERTICAL (3:I SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS
- IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE.
- 6. THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING AREAS



PLANT SCHEDULE		1	
BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
ACER RUBRUM `OCTOBER GLORY`	OCTOBER GLORY RED MAPLE	3" - 3.5" CAL	B&B
NYSSA SYLVATICA	SOUR GUM	2.5" - 3" CAL	B&B
QUERCUS PHELLOS	WILLOW OAK	3" - 3.5" CAL	B&B
JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8` - 10` HT	B&B
THUJA OCCIDENTALIS 'GREEN GIANT'	GREEN GIANT ARBORVITAE	8` - 10` HT	B&B
CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	24" - 30"	POT
HYDRANGEA MACROPHYLLA `ENDLESS SUMMER`	BAILMER HYDRANGEA	24" - 30"	POT
VIBURNUM DENTATUM	VIBURNUM	18" - 24"	РОТ
		1	
ILEX CRENATA `COMPACTA`	DWARF JAPANESE HOLLY	24" - 30"	POT
ILEX GLABRA `COMPACTA`	COMPACT INKBERRY	18" - 24"	РОТ
RHUS AROMATICA `GRO-LOW`	GRO-LOW FRAGRANT SUMAC	3 GAL.	36" O.C.
CAREX X `ICE DANCE`	ICE DANCE SEDGE	I GAL.	18" O.C.
FESTUCA GLAUCA `BEYOND BLUE`	BEYOND BLUE FESCUE	I GAL.	18" O.C.
RUDBECKIA FULGIDA `GOLDSTURM`	GOLDSTURM CONEFLOWER	I GAL.	18" O.C.

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN ON THE LANDSCAPE PLAN AND WITHIN THE PLANT LIST, THE PLAN SHALL DICTATE.

GRAPHIC SCALE IN FEET l" = 20'





AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING: OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS

SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS

CUT BANDS OF WIRE BASKET AND FOLD AWAY FROM TOP OF ROOT BALL

4" BUILT-UP EARTH SAUCER

BACKFILL SOIL • 1 PART SOIL AMENDMENT (BASED ON SOIL TEST) 3 PARTS NATIVE TOPSOIL

-6" DEEPER THAN ROOT BALL

TAMP SOIL SOLIDLY AROUND BASE OF ROOT BALL

2

SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE

- TOP OF SHRUB ROOT BALL SHALL BE SET FLUSH WITH FINISHED GRADE
- 3" DOUBLE SHREDDED HARDWOOD
- MULCH (DO NOT PLACE MULCH AGAINST
- CONTAINER-GROWN PLANT WITH

- **GENERAL LANDSCAPING NOTES:**
- SPECIFICATIONS, APPROVED OR FINAL DRAWINGS, AND INSTRUCTIONS PROVIDED BY THE PROJECT LANDSCAPE DESIGNER,
- MUNICIPAL OFFICIALS, OR OWNER/OWNER'S REPRESENTATIVE. ALL WORK COMPLETED AND MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH THE INTENTION OF THE SPECIFICATIONS, DRAWINGS, AND INSTRUCTIONS AND EXECUTED WITH THE STANDARD LEVEL OF CARE FOR THE LANDSCAPE INDUSTRY. WORK MUST BE CARRIED OUT ONLY DURING WEATHER CONDITIONS FAVORABLE TO LANDSCAPE CONSTRUCTION AND TO THE HEALTH AND WELFARE OF PLANTS. THE SUITABILITY OF SUCH WEATHER CONDITIONS SHALL BE DETERMINED BY THE
- PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL. 3. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, BEFORE ORDERING OR PURCHASING MATERIALS, TO PROVIDE SAMPLES OF THOSE MATERIALS TO THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL FOR APPROVAL, IF SO REQUESTED.
- 4. IF SAMPLES ARE REQUESTED, THE LANDSCAPE CONTRACTOR IS TO SUBMIT CERTIFICATION TAGS FROM TREES, SHRUBS AND SEED VERIFYING TYPE AND PURITY. 5. UNLESS OTHERWISE AUTHORIZED BY THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL, THE
- LANDSCAPE CONTRACTOR SHALL PROVIDE NOTICE AT LEAST FORTY-EIGHT HOURS (48 HRS.) IN ADVANCE OF THE ANTICIPATED DELIVERY DATE OF ANY PLANT MATERIALS TO THE PROJECT SITE. A LEGIBLE COPY OF THE INVOICE, SHOWING VARIETIES AND SIZES OF MATERIALS INCLUDED FOR EACH SHIPMENT SHALL BE FURNISHED TO THE PROJECT LANDSCAPE DESIGNER. OR GOVERNING MUNICIPAL OFFICIAL
- 6. THE PROJECT LANDSCAPE DESIGNER OR GOVERNING MUNICIPAL OFFICIAL RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY PLACE.

PROTECTION OF EXISTING VEGETATION NOTES

- BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING. FENCING SHALL BE LOCATED AT THE DRIP-LINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. FENCE INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE PROTECTION FENCE DETAIL." NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FULFILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED
- . IN ORDER TO AVOID DAMAGE TO ROOTS, BARK OR LOWER BRANCHES, NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED OR PLACED WITHIN THE TREE PROTECTION ZONE. ALL ON-SITE CONTRACTORS SHALL USE ANY AND ALL PRECAUTIONARY MEASURES WHEN PERFORMING WORK AROUND TREES, WALKS, PAVEMENTS, UTILITIES, AND ANY OTHER FEATURES FITHER EXISTING OR PREVIOUSLY INSTALLED UNDER THIS CONTRACT 3. IN RARE INSTANCES WHERE EXCAVATING, FILL, OR GRADING IS REQUIRED WITHIN THE DRIP-LINE OF TREES TO REMAIN, THE
- WORK SHALL BE PERFORMED AS FOLLOWS: • TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO
- THE ROOTS. NO ROOTS, LIMBS, OR WOODS ARE TO HAVE ANY PAINT OR MATERIAL APPLIED TO ANY SURFACE. RAISING GRADES: WHEN THE GRADE AT AN EXISTING TREE IS BELOW THE NEW FINISHED GRADE. AND FILL NOT EXCEEDING 6 INCHES (6") IS REQUIRED. CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" - 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES (18") AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNK OF ANY TREE REOUIRING FILL. WHERE FILL EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID TREE WELL SHALL BE CONSTRUCTED. IF APPLICABLE, TREE WELL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE WELL DETAIL."
- LOWERING GRADES: EXISTING TREES LOCATED IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE RE-GRADING WORK DONE BY HAND TO THE INDICATED ELEVATION, NO GREATER THAN SIX INCHES (6"), ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST WHERE CUT EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID RETAINING WALL SHALL BE CONSTRUCTED. IF APPLICABLE, THE RETAINING WALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE RETAINING WALL DETAIL."

SOIL PREPARATION AND MULCH NOTES:

- I. LANDSCAPE CONTRACTOR SHALL OBTAIN A SOIL TEST OF THE IN-SITU TOPSOIL BY A CERTIFIED SOIL LABORATORY PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL ALLOW FOR A TWO WEEK TURNAROUND TIME FROM SUBMITTAL OF SAMPLE TO NOTIFICATION OF RESULTS.
- 2. BASED ON SOIL TEST RESULTS, ADJUST THE RATES OF LIME AND FERTILIZER THAT SHALL BE MIXED INTO THE TOP SIX INCHES (6") OF TOPSOIL. THE LIME AND FERTILIZER RATES PROVIDED WITHIN THE "SEED SPECIFICATION" OR "SOD SPECIFICATION" IS APPROXIMATE AND FOR BIDDING PURPOSES ONLY. IF ADDITIONAL AMENDMENTS ARE NECESSARY, ADJUST THE TOPSOIL AS FOLLOWS: • MODIFY HEAVY CLAY OR SILT SOILS (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY
- VOLUME) OR GYPSUM. • MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
- B. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMING CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL OBTAINED FROM A WELL-DRAINED ARABLE SITE, FREE FROM ALL CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIAL GREATER THAN ONE INCH (1"). 4. TOPSOIL SHALL HAVE A PH RANGE OF 5.0-7.0 AND SHALL NOT CONTAIN LESS THAN 6% ORGANIC MATTER BY WEIGHT
- 5. OBTAIN TOPSOIL ONLY FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT THE PROIECT SITE. 6. CONTRACTOR SHALL PROVIDE A SIX INCH (6") DEEP LAYER OF TOPSOIL IN ALL PLANTING AREAS. TOPSOIL SHALL BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. THE SPREADING OF
- TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN SOIL CONDITIONS. . UNLESS OTHERWISE NOTED IN THE CONTRACT, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBED AREA OF THE SITE. LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE SUB-GRADE ELEVATION MEETS THE FINISHED GRADE ELEVATION (LESS
- REOUIRED TOPSOIL). IN ACCORDANCE WITH THE APPROVED OR FINAL GRADING PLAN. 9. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THE APPROVED OR FINAL CONSTRUCTION SET UNLESS OTHERWISE DIRECTED BY THE
- PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO THE INSTALLATION OF PLANTINGS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO INSTALLATION. ALL PLANTING AND LAWN AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW A FREE FLOW OF SURFACE WATER
- II. DOUBLE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL SHRUB PLANTING BEDS AND AROUND ALL TREES PLANTED BY LANDSCAPE CONTRACTOR, GROUND COVER, PERENNIAL, AND ANNUAL PLANTING BEDS SHALL BE MULCHED WITH A TWO INCH (2") TOP DRESSING. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO AVOID CONTACT WITH TRUNK OR PLANT STEM. MULCH SHALL BE OF SUFFICIENT CHARACTER AS NOT TO BE EASILY DISPLACED BY WIND OR WATER RUNOFF
- 2. WHENEVER POSSIBLE, THE SOIL PREPARATION AREA SHALL BE CONNECTED FROM PLANTING TO PLANTING. 13. Soil shall be loosened with a backhoe or other large coarse-tiling equipment unless the soil is frozen or EXCESSIVELY WET. TILING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILING THAT RESULTS IN FINE GRAINS UNIFORM IN TEXTURE. AFTER THE AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE.
- 14. APPLY PRE-EMERGENT WEED CONTROL TO ALL PLANT BEDS PRIOR TO MULCHING. ENSURE COMPATIBILITY BETWEEN PRODUCT AND PLANT MATERIAL `5. ALL PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:

MYCRO® TREE SAVER - A DRY GRANULAR MYCORRHIZAL FUNGI INOCULANT THAT IS MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IT CONTAINS SPORES OF BOTH ECTOMYCORRHIZAL AND VA MYCORRHIZAL FUNGI (VAM), BENEFICIAL RHIZOSPHERE BACTERIA, TERRA-SORB SUPERABSORBENT HYDROGEL TO REDUCE WATER LEACHING, AND SELECTED ORGANIC MICROBIAL NUTRIENT

- DIRECTIONS FOR USE: USE 3-OZ PER EACH FOOT DIAMETER OF THE ROOT BALL, OR 3-OZ PER INCH CALIPER. MIX INTO THE BACKFILL WHEN TRANSPLANTING TREES AND SHRUBS. MIX PRODUCT IN A RING-SHAPED VOLUME OF SOIL AROUND THE UPPER PORTION OF THE ROOT BALL. EXTENDING FROM THE SOIL SURFACE TO A DEPTH OF ABOUT 8 INCHES, AND EXTENDING OUT FROM THE ROOT BALL ABOUT 8 INCHES INTO THE BACKFILL, APPLY WATER TO SOIL SATURATION
- MYCOR® TREE SAVER® IS EFFECTIVE FOR ALL TREE AND SHRUB SPECIES EXCEPT RHODODENDRONS, AZALEAS, AND MOUNTAIN LAUREL, WHICH REQUIRE ERICOID MYCORRHIZAE. • SOIL PH: THE FUNGI IN THIS PRODUCT WERE CHOSEN BASED ON THEIR ABILITY TO SURVIVE AND COLONIZE PLANT ROOTS
- IN A PH RANGE OF 3 TO 9. • FUNGICIDES: THE USE OF CERTAIN FUNGICIDES CAN HAVE A DETRIMENTAL EFFECT ON THE INOCULATION PROGRAM. SOIL
- APPLICATION OF ANY FUNGICIDE IS NOT RECOMMENDED FOR TWO WEEKS AFTER APPLICATION. OTHER PESTICIDES: HERBICIDES AND INSECTICIDES DO NOT NORMALLY INTERFERE WITH MYCORRHIZAL FUNGAL DEVELOPMENT, BUT MAY INHIBIT THE GROWTH OF SOME TREE AND SHRUB SPECIES IF NOT USED PROPERLY.

HEALTHY START MACRO TABS 12-8-8

 FERTILIZER TABLETS ARE PLACED IN THE UPPER 4 INCHES OF BACKFILL SOIL WHEN PLANTING TREES AND SHRUBS. • TABLETS ARE FORMULATED FOR LONG-TERM RELEASE BY SLOW BIODEGRADATION, AND LAST UP TO 2 YEARS AFTER PLANTING. TABLETS CONTAIN 12-8-8 NPK FERTILIZER, AS WELL AS A MINIMUM OF SEVEN PERCENT (7%) HUMIC ACID BY WEIGHT, MICROBIAL NUTRIENTS DERIVED FROM SEA KELP, PROTEIN BYPRODUCTS, AND YUCCA SCHIDIGERA, AND A COMPLEMENT OF BENEFICIAL RHIZOSPHERE BACTERIA. THE STANDARD 21 GRAM TABLET IS SPECIFIED HERE. DIRECTIONS FOR USE: FOR PLANTING BALLED & BURLAPPED (B&B) TREES AND SHRUBS, MEASURE THE THICKNESS OF THE TRUNK, AND USE ABOUT I TABLET (21-G) PER HALF-INCH. PLACE THE TABLETS DIRECTLY NEXT TO THE ROOT BALL, EVENLY DISTRIBUTED AROUND ITS PERIMETER, AT A DEPTH OF ABOUT 4 INCHES.

WAWA LANDSCAPING SPECIFICATIONS CONTINUED 16. PLANT MATERIAL SHALL BE GUARANTEED FOR TWO YEARS FROM THE DATE OF SUBSTANTIAL COMPLETENESS. THE CONTRACTOR SHALL REPLACE PLANTS. DEAD. UNHEALTHY. DYING OR DAMAGED THROUGH LOSS OF BRANCHES AND/OR FOLIAGE. LAWNS THAT ARE NOT IN GOOD CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REPAIRED UNTIL A GOOD LAWN RESULTS. IT IS UNDERSTOOD THAT THE OWNER SHALL ASSUME RESPONSIBILITY FOR WATERING ALL PLANT MATERIAL

WEED BARRIER FABRIC INSTALLATIO

AND LAWN AREA BEGINNING WITH THE DATE OF SUBSTANTIAL COMPLETENESS.

- STRIP AWAY ALL EXISTING SOD, GRASSES & WEEDS IN DESIRED AREA TO BE LANDSCAPED. SNURE THAT AREA IS FREE OF SHARP OBJECTS, LARGE ROCKS, TRASH, OR OTHER DEBRIS. 2. UNROLL FABRIC AND MEASURE TO SIZE ALLOWING ENOUGH FABRIC TO GO OVER EXISTING PLANTS AND TO REACH EDGE OF
- PLANTING BED. ENDS SHOULD BE BURIED A MINIMUM OF 3" AND INDIVIDUAL PIECES OF FABRIC SHOULD OVERLAP BY 3". 3. CUT AN "X" IN THE FABRIC LARGE ENOUGH FOR THE ROOT BALL WHERE EACH NEW PLANT WILL GO. IF THERE ARE EXISTING
- PLANTINGS, CUT AN "X" IN THE FABRIC LARGE ENOUGH TO PULL THE FABRIC OVER THE PLANT FOLIAGE WITHOUT DAMAGING THE PLANTINGS.
- 4. INSTALL PLANT PER PLANTING DETAILS OR PULL FABRIC OVER EXISTING PLANT. BE GENTLE WITH THE BRANCHES AND TUCK THE CORNERS OF THE FABRIC AROUND THE PLANT STEM. 5. COVER FABRIC WITH DECORATIVE STONE OR BARK MULCH AT DEPTH SPECIFIED WITHIN LANDSCAPE SPECIFICATIONS TO
- ENSURE PROTECTION OF FABRIC FROM SUNLIGHT AND TO AVOID DISPLACEMENT DUE TO WIND.

ACE

CAF

CEI

CO

- SEEDING SPECIFICATION."

PLANT QUALITY AND HANDLING NOTES

I. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE I. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. 2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES

3. ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND. HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE. 4. PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR

FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (1-1/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE REIECTED 5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY

TAGGED WITH THE PROPER NAME AND SIZE. 6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF

. All plants designated ball and burlap (b&b) must be moved with the root system as solid units with balls of EARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF EARTH MUST BE SUFFICIENT TO ENCOMPASS THE FIBROUS ROOT FEEDING SYSTEMS NECESSARY FOR THE HEALTHY DEVELOPMENT OF THE PLANT. NO PLANT SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEELED-IN BY SETTING IN THE GROUND AND COVERING THE BALLS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.

8. PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS SECURELY FASTENED TO THE BODY OF THE VEHICLE TO PREVENT INJURY TO THE PLANTS. CLOSED VEHICLES SHALL BE ADEQUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS. EVIDENCE OF INADEQUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT. OR IMPROPER HANDLING OR STORAGE SHALL BE CAUSE FOR REJECTION OF PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOIST, FRESH, AND PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT. BEING HANDLED, OR ARE IN TEMPORARY STORAGE. 9. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING

DETAILS 10. LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIME AND COVERED WITH MOISTENED MULCH OR AGED WOODCHIPS. PROPER IRRIGATION SHALL BE SUPPLIED SO AS TO NOT ALLOW THE ROOT BALL TO DRY OUT. PLANTINGS HALL BE UNTIED AND PROPER SPACING SHALL BE ALLOTTED FOR AIR CIRCULATION AND TO PREVENT DISEASE, WILTING. AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE. II. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL.

12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED. 13. IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED, THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO

RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT. 14. IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF EIGHT FEET (8') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2') ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR AGENCY

15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS: PLANTS (MARCH 15 - DECEMBER 15)

LAWNS (MARCH 15 - IUNE 15 OR SEPTEMBER 1 - DECEMBER 1)

16. THE FOLLOWING TREES ARE SUSCEPTIBLE TO TRANSPLANT SHOCK AND SHALL NOT BE PLANTED DURING THE FALL SEASON (STARTING SEPTEMBER 15) ABIES CONCOLOR COPNILIS VADIETIES OSTRYA VIRGINIANA

S CONCOLOR	CORNOS VARIETIES	
R BUERGERIANUM	CRATAEGUS VARIETIES	PINUS NIGRA
R FREEMANII	CUPRESSOCYPARIS LEYLANDII	PLATANUS VARIETIES
R RUBRUM	FAGUS VARIETIES	POPULUS VARIETIES
R SACCHARINUM	HALESIA VARIETIES	PRUNUS VARIETIES
ULA VARIETIES	ILEX X FOSTERII	PYRUS VARIETIES
PINUS VARIETIES	ILEX NELLIE STEVENS	QUERCUS VARIETIES (NOT Q. PALUSTRIS)
RUS DEODARA	ILEX OPACA	SALIX WEEPING VARIETIES
TIS VARIETIES	JUNIPERUS VIRGINIANA	SORBUS VARIETIES
CIDIPHYLLUM VARIETIES	KOELREUTERIA PANICULATA	TAXODIUM VARIETIES
CIS CANADENSIS	LIQUIDAMBAR VARIETIES	TAXUX B REPANDENS
RNUS VARIETIES	LIRIODENDRON VARIETIES	TILIA TOMENTOSA VARIETIES
TAEGUS VARIETIES	MALUS IN LEAF	ULMUS PARVIFOLIA VARIETIES
	NYSSA SYLVATICA	ZELKOVA VARIETIES

17. IF A PROPOSED PLANT IS UNATTAINABLE OR ON THE FALL DIGGING HAZARD LIST, AN EQUIVALENT SPECIES OF THE SAME SIZE MAY BE REQUESTED FOR SUBSTITUTION OF THE ORIGINAL PLANT. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL PRIOR TO ORDERING AND INSTALLATION.

18. DURING THE COURSE OF CONSTRUCTION/PLANT INSTALLATION, EXCESS AND WASTE MATERIALS SHALL BE CONTINUOUSLY AND PROMPTLY REMOVED AT THE END OF EACH WORK DAY. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF AND ALL PAVED AREAS SHALL BE CLEANED.

19. THE LANDSCAPE CONTRACTOR SHALL DISPOSE OF ALL RUBBISH AND EXCESS SOIL AT HIS EXPENSE TO AN OFF-SITE LOCATION AS APPROVED BY THE LOCAL MUNICIPALITY.

20. A 90-DAY MAINTENANCE PERIOD SHALL BEGIN IMMEDIATELY AFTER ALL PLANTS HAVE BEEN SATISFACTORILY INSTALLED. 21. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR) THER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GUYS IF ORIGINALI REQUIRED, WATERING WHEN NEEDED OR DIRECTED, WEEDING, PRUNING, SPRAYING, FERTILIZING, MOWING THE LAWN, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.

2. MOW ALL GRASS AREAS AT REGULAR INTERVALS TO KEEP THE GRASS HEIGHT FROM EXCEEDING THREE INCHES (3"). MOWING SHALL BE PERFORMED ONLY WHEN GRASS IS DRY. MOWER BLADE SHALL BE SET TO REMOVE NO MORE THAN ONE THIRD (1/3) OF THE GRASS LENGTH. WHEN THE AMOUNT OF GRASS IS HEAVY, IT SHALL BE REMOVED TO PREVENT DESTRUCTION OF THE UNDERLYING TURF. MOW GRASS AREAS IN SUCH A MANNER AS TO PREVENT CLIPPINGS FROM BLOWING ON PAVED AREAS, AND SIDEWALKS. CLEANUP AFTER MOWING SHALL INCLUDE SWEEPING OR BLOWING OF PAVED AREAS AND SIDEWALKS TO CLEAR THEM FROM MOWING DEBRIS.

23. GRASSED AREAS DAMAGED DURING THE PROCESS OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL RESTORE THE DISTURBED AREAS TO A CONDITION SATISFACTORY TO THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE. THIS MAY INCLUDE FILLING TO GRADE, FERTILIZING, SEEDING, AND

MULCHING. 24. SHOULD THE OWNER REQUIRE MAINTENANCE BEYOND THE STANDARD 90-DAY MAINTENANCE PERIOD, A SEPARATE CONTRACT SHALL BE ESTABLISHED.

25. LANDSCAPE CONTRACTOR SHALL WATER NEW PLANTINGS FROM TIME OF INSTALL AND THROUGHOUT REOUIRED 90-DAY MAINTENANCE PERIOD UNTIL PLANTS ARE ESTABLISHED. IF ON-SITE WATER IS NOT AVAILABLE AT THE PROJECT LOCATION, THE LANDSCAPE CONTRACTOR SHALL FURNISH IT BY MEANS OR A WATERING TRUCK OR OTHER ACCEPTABLE MANNER. 26. THE QUANTITY OF WATER APPLIED AT ONE TIME SHALL BE SUFFICIENT TO PENETRATE THE SOIL TO A MINIMUM OF EIGHT

INCHES (8") IN SHRUB BEDS AND SIX INCHES (6") IN TURF AREAS AT A RATE WHICH WILL PREVENT SATURATION OF THE SOIL. 27. IF AN AUTOMATIC IRRIGATION SYSTEM HAS BEEN INSTALLED, IT CAN BE USED FOR WATERING PLANT MATERIAL. HOWEVER, FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY OF PLANT HEALTH AND ESTABLISHMENT.

PLANT MATERIAL GUARANTEE NOTES

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR (1 YR.) FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE

.. THE LANDSCAPE CONTRACTOR SHALL REMOVE AND REPLACE DYING, DEAD, OR DEFECTIVE PLANT MATERIAL AT HIS EXPENSE. THE LANDSCAPE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS COMPANY'S OPERATIONS. 3. ALL REPLACEMENT PLANTS SHALL BE OF THE SAME SPECIES AND SIZE AS SPECIFIED ON THE APPROVED OR FINAL PLANT LIST. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER.

4. THE CONTRACTOR SHALL INSTRUCT THE OWNER AS TO THE PROPER CARE AND MAINTENANCE OF ALL PLANTINGS.

LAWN (SEED OR SOD) NOTES:

. SEED MIXTURE SHALL BE FRESH, CLEAN, NEW CROP SEED. SOD SHALL BE STRONGLY ROOTED, UNIFORM IN THICKNESS, AND FREE OF WEEDS, DISEASE, AND PESTS. . SEED OR SOD SHALL BE PURCHASED FROM A RECOGNIZED DISTRIBUTOR AND SHALL BE COMPOSED OF THE MIX OR BLEND

WITHIN THE PROVIDED "SEED SPECIFICATION" OR "SOD SPECIFICATION.

3. REFERENCE LANDSCAPE PLAN FOR AREAS TO BE SEEDED OR LAID WITH SOD 4. SEEDING SHALL NOT BE PERFORMED IN WINDY WEATHER. IF THE SEASON OF THE PROJECT COMPLETION PROHIBITS PERMANENT STABILIZATION, TEMPORARY STABILIZATION SHALL BE PROVIDED IN ACCORDANCE WITH THE "TEMPORARY

5. PROTECT NEW LAWN AREAS AGAINST TRESPASSING WHILE THE SEED IS GERMINATING. FURNISH AND INSTALL FENCES, SIGNS, BARRIERS OR ANY OTHER NECESSARY TEMPORARY PROTECTIVE DEVICES. DAMAGE RESULTING FROM TRESPASS. EROSION. WASHOUT, SETTLEMENT OR OTHER CAUSES SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE. REMOVE ALL FENCES, SIGNS, BARRIERS OR OTHER TEMPORARY PROTECTIVE DEVICES ONCE LAWN HAS BEEN ESTABLISHED.

INCETONIZ2019/Z-19214 J& DEVELOPMENT - 1006 WHITEHORSE PIKE, OAKLYN, NJICADDIPLOTICIVIL PLANSILDP-17-21-DETL.DM

NCETONIZI2019/Z-19214 J&J DEVELOPMENT - 1006 WHITEHORSE PIKE, OAKLYN, NJICADDIPLOTICIVIL PLANSILDP-17-21-DETL

- 4. PRECAST CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH 5000 PSI.
- 5. EXTERIOR CONCRETE SURFACES BELOW GRADE SHALL HAVE 2 COATS OF COAL TAR EPOXY.
- S. SPECIFIC SEALANT DETAIL AT CONCRETE RISER TO CONCRETE VAULT INTERFACE SHALL BE WATERTIGHT. AT A MINIMUM, THE JOINT SHALL BE SEALED WITH BUTYL RUBBER SEALANT (KENT SEAL #2 OR APPROVED EQUIVALENT) AND THE EXTERIOR OF THE JOINT SHALL BE SEALED WITH NON-SHRINK GROUT IN CONFORMANCE WITH THE TOWNSHIP STANDARD GREASE TRAP DETAIL. TANK SHALL BE TESTED FOR WATER TIGHTNESS BY FILLING FOR 24 HRS. TO SOAK, THEN TOPPED OFF, AND THEN WATCHED FOR
- 24 HRS. NO DROP IN WATER IS ALLOWED. 8. CAST IRON SHALL BE BOLTED TO CONCRETE WITH MASTIC TAPE (KENT SEAL OR APPROVED EQUIVALENT) SEALANT.
- 9. MAXIMUM EARTH COVER=5.0', HS-20 LOADING.

10. INLET AND OUTLET EQUIPPED WITH PIPE SEALS. SANITARY SERVICE IMPROVEMENTS GREASE TRAP (1,500 GALLON 2 SHALL BE BACKFILLED ENTIRELY WITH APPROVED CLEAN CRUSHED STONE COMPARTMENT TANK) NOT TO SCALE

WITH WAWA

