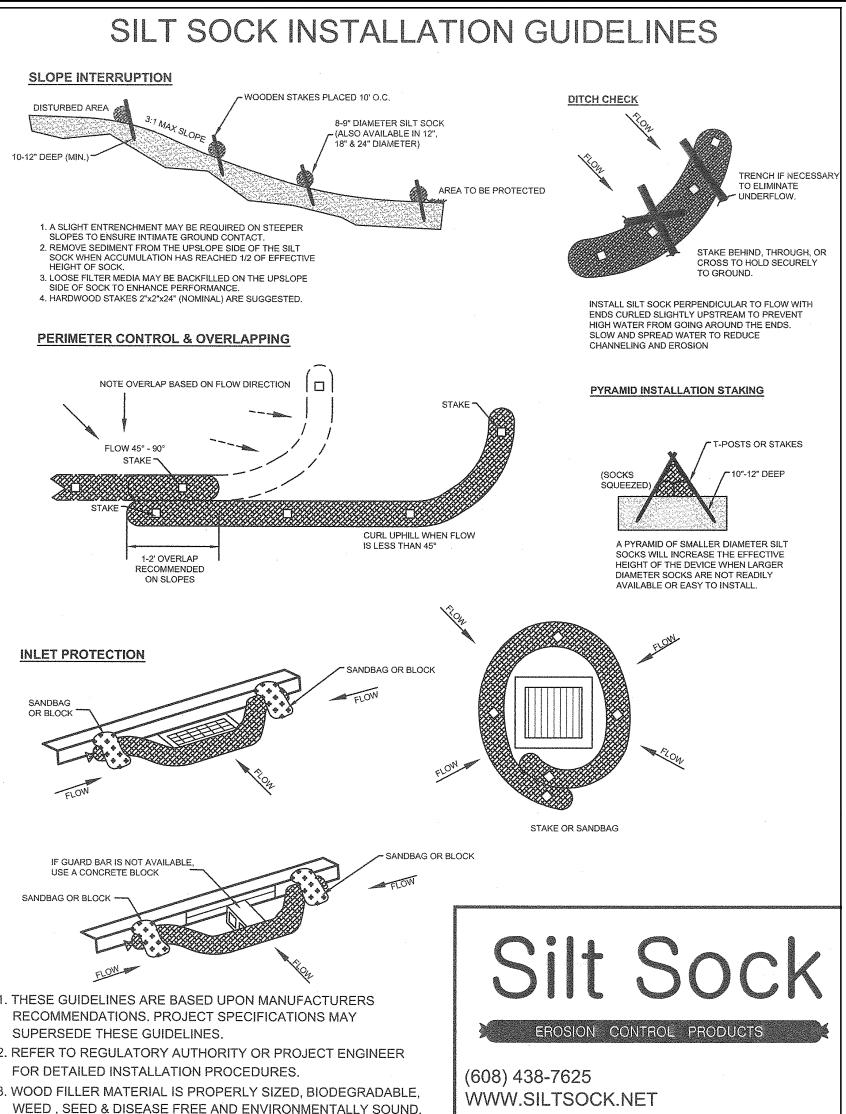




www.siltsock.net Phone: 608-438-7625

8" Ultra

Construction	Tubular Knit			
Chemical Reaction	Inert to most soil chemicals including Alkaline, weak acids and salt			
Properties	Fiber Material	Multi-Filament Polypropylen		
	Color	Black		
	Melting Point	166°c	330°F	
	UV Protection	Photodegradable/ UV Stabilized		
	UV Resistance ASTM G-155	100% at 1000 hr.		
	Approx. Life Expectancy*	2 – 4 years		
	Mesh Opening	1/8"		
Roll Properties (Approx.)	Roll Weight	11.8 kg	26 lbs.	
	Roll Length - Relaxed	174 m	540 ft.	
Applied Roll Length (Approx.)	8" Diameter	146 m	475 ft.	
Strength Properties	ASTM 6241 & ASTM 5035	222 psi		
Packaging	Package Type	Roll		



- SUPERSEDE THESE GUIDELINES.

Start Date-Finish Date (dates to be marked on site plan by operator)	
Initial Phase	Pre-Site 1. Instal protecti 2. Const 3. Set up 4. Distur NMED 5. Instal
Interim Phase	Site Gr I. Mass 2. Const 3. Buildi 4. Imple (per NM
Final Phase	Final St 1. Imple (per NM 2. Prepa 3. Monit 4. Remo remov

TYPICAL CONCRETE WASHOUT-BELOW GRADE



- Install appropriate signage to inform concrete equipment operators of the proper washout location.
- An appropriate stabilized entrance shall be installed where applicable. The length and width of the stabilized entrance may vary based on size and location of the washout.
- Washout facilities must be sized to contain washout water and solids.
- Typical dimensions are 10 feet long by 10 feet wide but may vary upon site limitations.
- Pit shall be delineated with Orange Filter Sock and A-Framed staked.
- The pit shall be lined with 10mil (minimum) polyethylene impermeable liner on the bottom and sides overlapping the top edges completing a leak-proof container.

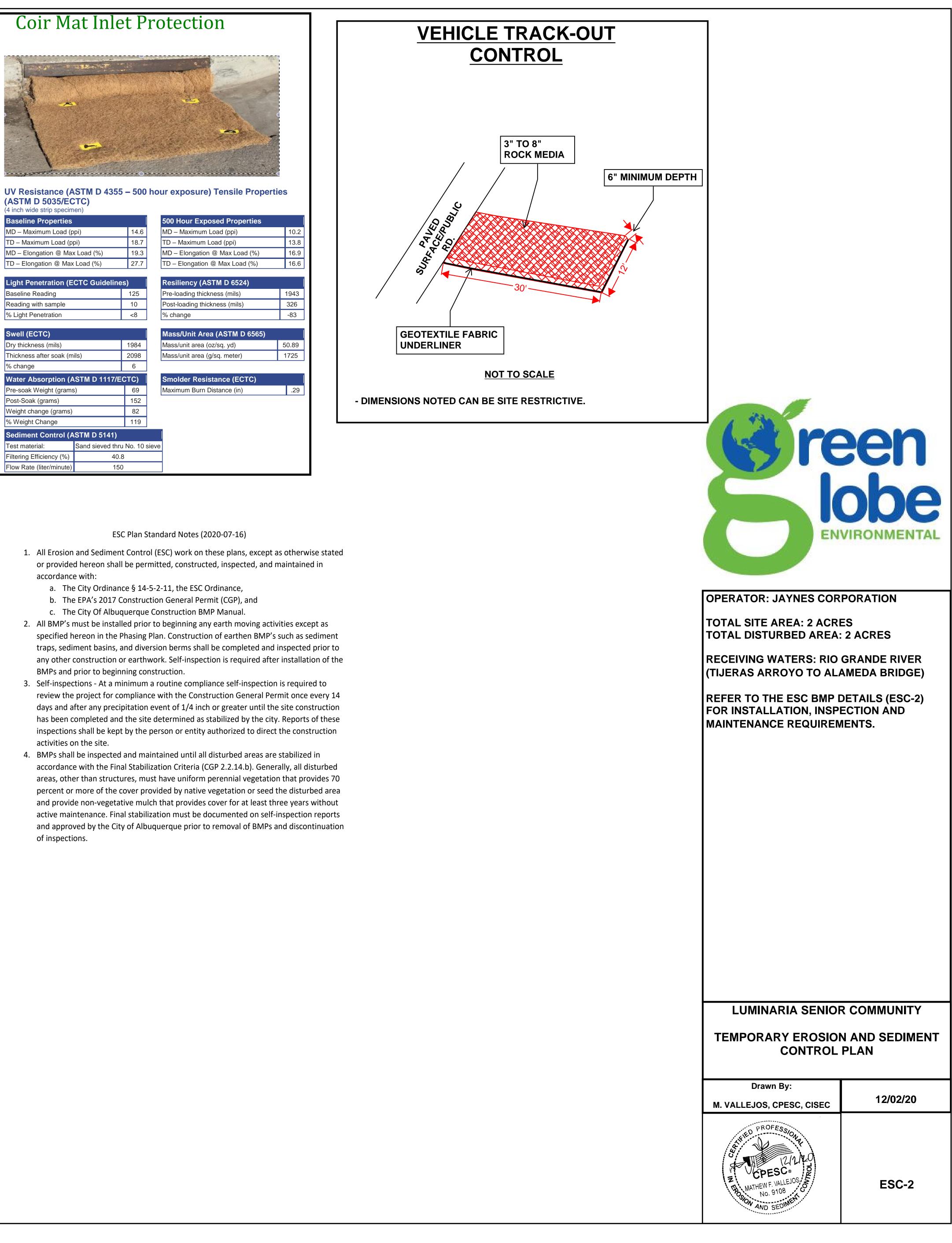
Construction Activity, BMPs, and location

e Grading ll perimeter BMPs (silt fence, erosion control logs, downstream inlet

- on, etc.) truct VTC.
- o construction trailer, construction barrier, and material storage areas rbed areas where construction will cease for more than 7 days (per Tier 1 requirements) will be stabilized with erosion controls ll sanitary facilities and dumpster
- cading/ Building Construction
- grade site
- truct utilities, infrastructure
- ing, pavement construction
- ement stabilization procedures were work is complete or ceases for 7 days MED Tier I requirements) or greater

tabilization

- ement stabilization procedures were work is complete or ceases for 7 days MED Tier I requirements) or greater
- pare final seeding and landscaping nitor stabilized areas until final stabilization is reached
- nove temporary control BMPs and stabilize any areas disturbed by the



(ASTM D 5035/ECTC)

(4 inch wide strip specim	ien)				
Baseline Properties				500 Hour Exposed Properties	
MD – Maximum Load (p	MD – Maximum Load (ppi)			MD – Maximum Load (ppi)	
TD – Maximum Load (p	pi)	18.7	[TD – Maximum Load (ppi)	
MD – Elongation @ Max	k Load (%)	19.3	[MD – Elongation @ Max Load (%)	
TD – Elongation @ Max	Load (%)	27.7	[TD – Elongation @ Max Load (%)	
Light Penetration (E	CTC Guideline	es)		Resiliency (ASTM D 6524)	
Baseline Reading 1		125	[Pre-loading thickness (mils)	
Reading with sample		10	[Post-loading thickness (mils)	
% Light Penetration		<8	[% change	
Swell (ECTC)				Mass/Unit Area (ASTM D 656	
Dry thickness (mils)		1984		Mass/unit area (oz/sq. yd)	
Thickness after soak (mils)		2098		Mass/unit area (g/sq. meter)	
% change		6			
Water Absorption (A	STM D 1117/E	CTC)		Smolder Resistance (ECTC)	
Pre-soak Weight (grams)		69	[Maximum Burn Distance (in)	
Post-Soak (grams)		152			
Weight change (grams)		82			
% Weight Change		119			
Sediment Control (A	STM D 5141)				
Test material:	Sand sieved thru	u No. 10 s	sieve		
Filtering Efficiency (%)	40.8	8			
Flow Rate (liter/minute)	ow Rate (liter/minute) 150				

	BASIN NO. 1
DRAINAGE BASIN & LANDSCAPE AREAS	Area of basin flows = 47350 SF The following calculations are based on Treatme
	Sub-basin Weighted Ex
CENTRAL AVENUE SE	Weighted E =
	$\frac{\text{Sub-basin Volume of Ru}}{V_{360}} =$
	Sub-basin Peak Discharg
	$Q_P =$
	BASIN NO.2Area of basin flows =4399SF
	The following calculatic 23
	Sub-basin Weighted Exe Weighted E =
	Sub-basin Volume of Ru
	$V_{360} =$
	Sub-basin Peak Discharg
	BASIN NO. 3
	Area of basin flows = 23081 SF
	The following calculations are based on Treatme Sub-basin Weighted Exc
	Weighted E =
	Sub-basin Volume of Ru
	$V_{360} =$ Sub-basin Peak Discharg
	QP =
	BASIN NO. 4
	Area of basin flows = <u>6999</u> SF The following calculations are based on Treatme
P3-3 $P3-2$ $P3-1$	Weighted E = Sub-basin Volume of Ru
$\begin{bmatrix} 4 \\ \hline 0 \hline \hline 0 \\ \hline 0 \hline \hline 0 \\ \hline 0 \hline \hline 0 $	$\frac{\text{Sub-basin volume of Ku}}{\text{V}_{360}} =$
	Sub-basin Peak Discharg
	Qp =
CALCULATIONS: Luminaria Senior Living : 23-Sep-2020	
Based on City of Albuquerque DMP, Article 6-2 Hydrology dated June 26, 2020	
100-YEAR, 6-HOUR CALCULATIONS	
AREA OF SITE: 81829 SF=1.8785ACRE100-year, 6-hour	
HISTORIC FLOWS: DEVELOPED FLOWS: EXCESS PRECIP:	
Treatment SF % Precip. Zone 3	
Area A = 0 0% Area A = 0 0% E _A = 0.67	
Area B = 4091 5% Area B = 16366 20% E _B = 0.86	
Area C = 45006 55% Area C = 0 0% $E_C = 1.09$ Area D = -	
Area D = 32732 40% Area D = 65463 80% E_D = 2.58 Total Area = 81829 100% Total Area = 81829 100%	
100111100 01022 10070 10011100 - 01022 10070	
On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm)	
Weighted E = $\underline{E_A A_A + E_B A_B + E_C A_C + E_D A_D}$	
$A_A + A_B + A_C + A_D$	
$\frac{\text{Historic } E = 1.67 \text{ in.}}{\text{Developed } E = 2.24 \text{ in.}}$	
On-Site Volume of Runoff: $V360 = E^*A / 12$	
$Historic V_{360} = 11419 \text{ CF} \text{ Developed } V_{360} = 15247 \text{ CF}$	
On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43,560$	
For Precipitation Zone 3 $Q_{pA} = 1.84$ $Q_{pC} = 3.17$	
$\begin{array}{rcl} Q_{pA} &=& 1.84 & & Q_{pC} &=& 3.17 \\ Q_{pB} &=& 2.49 & & Q_{pD} &=& 4.49 \end{array}$	
$\frac{Q_{pB} - 2.49}{\text{Historic } Q_p} = \frac{6.9 \text{ CFS}}{6.9 \text{ CFS}} \frac{Q_{pD} - 4.49}{\text{Developed } Q_p} = \frac{7.7 \text{ CFS}}{7.7 \text{ CFS}}$	

	Drains to SQ Pond P1		
=	1.09 Ac.		
ent %'s as shown in table to the right	LAND TREATMENT		
cess Precipitation:	A = 0%		
2.33 in.	B = 14.7%		
inoff:	C = 0%		
9180 CF	D = 85.3%		
ge Rate:	Stormwater Quality Volume		
4.6 cfs	875 CF		
DESCRIPTION	Drains to SQ Pond P2		
= (0.10 Ac.		
	LAND TREATMENT		
cess Precipitation:	A = 0%		
1.05 in.	B= 89%		
inoff:	C = 0%		
385 CF	D = 11%		
ge Rate:	Stormwater Quality Volume		
0.3 cfs	10 CF		
DESCRIPTION	Drains to SQ Pond P3		
= (0.53 Ac.		
ent %'s as shown in table to the right	LAND TREATMENT		
cess Precipitation:	A = 0%		
2.04 in.	B= 31.4%		
inoff:	C = 0%		
3924 CF	D = 68.6%		
ge Rate:	Stormwater Quality Volume		
2.0 cfs	343 CF		
DESCRIPTION Free	e Discharge - No SQ Pond		
= (0.16 Ac.		
ent %'s as shown in table to the right	LAND TREATMENT		
cess Precipitation:	A = 0%		
1.87 in.	B = 41.4%		
inoff:	C = 0%		
1089 CF	D = 59%		
ge Rate:	Stormwater Quality Volume		
0.6 cfs	89 CF		

STORMWATER QUALITY						
STORMWATER QUALITY (SQ) CONTROL MEASURES ARE REQUIRED TO PROVIDE MANAGEMENT OF 'FIRST FLUSH'.						
BECAUSE THIS PROPERTY WAS PREVIOUSLY FULLY DEVELOPED, THE REQUIRED FIRST FLUSH RETENTION VOLUME = 0.26 " * TYPE 'D' AREA: $0.26/12 * (60,799 \text{ SF}) = 1,317 \text{ CF.}$						
THE BASIN CALCULATIONS AT LEFT PROVIDE THE IMPERVIOUS AREA, REQUIRED STORMWATER QUALITY (SQ) VOLUME TO BE PONDED AS FOLLOWS:						
BASIN		CF REQUIRED - DR CF PROVIDED	AINS TO PO	OND P1		
BASIN	BASIN 2 10 CF REQUIRED – DRAINS TO POND P2 50 CF PROVIDED					
BASIN	BASIN 3 343 CF REQUIRED - DRAINS TO PONDS P3-1, P3-2, P3-3 443 CF PROVIDED					
BASIN	4 89 0	CF REQUIRED - RE	QUEST IN-L	_IEU—OF	PAYMENT	
A DRAINAGE COVENANT WILL BE REQUIRED FOR THE STORMWATER QUALITY FIRST FLUSH PONDS PRIOR TO CERTIFICATE OF OCCUPANCY APPROVAL.						
STOR	MWATE	R QUALITY P1	STOR	MWATER	QUALITY P3-1	
Contour	Area	Volume	Contour	Area	Volume	
5476.0	1393		5377.1	220		
5475.0	480	937 CF	5376.0	45	146 CF	
POND VO	DLUME =	937 CF	POND VO	DLUME =	146 CF	
STORMWATER QUALITY P2		STORM	STORMWATER QUALITY P3-2			
Contour	Area	Volume	Contour	Area	Volume	
5476.5	160		5476.5	120		
5476.0	40	50 CF	5476.0	9	32 CF	
POND VO	DLUME =	50 CF	POND VO	DLUME =	32 CF	
STORMWATER QUALITY P3-3						
			Contour	Area	Volume	
			5476.0	240 100	255.00	
			5474.5	100	255 CF	

<u>/1</u>~

