PART 2. PRODUCTS

2.1 MATERIALS

A. HERBACEOUS SPECIES TO BE REMOVED IN AREAS WITH STANDING WATER OR SATURATED SOILS SHALL BE TREATED WITH A 5% SOLUTION OF GLYPHOSATE, N-(PHOSPHONOMETHYL) GLYCINE IN A FORM APPROVED FOR AQUATIC APPLICATIONS SUCH AS RODEO OR EQUIVALENT, WITH ADDED NON-IONIC SURFACTANT, AS APPROVED IN WRITING BY OWNER.

B. HERBACEOUS SPECIES TO BE REMOVED IN AREAS WITHOUT STANDING WATER OR SATURATED SOILS SHALL BE TREATED WITH A 3% SOLUTION OF GLYPHOSATE, N-(PHOSPHONOMETHYL) GLYCINE, TRADE NAME ROUNDUP OR EQUIVALENT AS APPROVED IN WRITING BY OWNER. CONTRACTOR MAY ALSO USE A GRASS-SPECIFIC HERBICIDE WITH THE APPROVAL OF THE OWNER.

C. HERBICIDE TO BE USED FOR BASAL APPLICATIONS TO WOODY VEGETATION SHALL BE A 25% SOLUTION OF TRICLOPYR, 3,5,6-TRICHLORO-2-PYRIDINYLOXYACETIC ACID, BUTOXYETHYL ESTER, TRADE NAME GARLON 4 OR EQUIVALENT, WITH ADDED IONIC SURFACTANT, AS APPROVED IN WRITING BY THE OWNER.

D. HERBICIDE TO BE USED FOR FOLIAR APPLICATIONS TO WOODY VEGETATION SHALL BE A 5% SOLUTION OF TRICLOPYR, 3,5,6-TRICHLORO-2-PYRIDINYLOXYACETIC ACID, BUTOXYETHYL ESTER, TRADE NAME GARLON 3A OR EQUIVALENT, WITH ADDED IONIC SURFACTANT, AS APPROVED IN WRITING BY OWNER.

E. HERBICIDE TO BE USED ON HONEYSUCKLE SPECIES SHALL BE A 50% SOLUTION OF GLYPHOSPHATE AND WATER. NO GARLON PRODUCTS SHALL BE USED ON HONEYSUCKLE.

F. OTHER PRODUCTS SUCH AS GRASS-SPECIFIC HERBICIDES MAY BE PROPOSED BY THE CONTRACTOR FOR APPROVAL BY THE OWNER.

G. THE CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL PROPOSED RATES OF HERBICIDE APPLICATION PRIOR TO COMMENCING THE WORK DESCRIBED IN THIS SECTION.

PART 3. EXECUTION

3.1 METHOD - HERBICIDE APPLICATION

A. CONTRACTOR SHALL TREAT WEEDY HERBACEOUS AND UNDESIRABLE WOODY VEGETATION WITHIN EACH VEGETATION COMMUNITY AS NEEDED DURING THE FIRST FIVE GROWING SEASONS FOLLOWING INITIAL SEEDING OF EACH VEGETATION COMMUNITY USING THE APPROPRIATE HERBICIDE. HERBICIDE APPLICATION INSTRUCTIONS GIVEN ON THE LABEL SHALL BE FOLLOWED AT ALL TIMES. UNDESIRABLE SPECIES INCLUDE ALL VASCULAR SPECIES NOT NATIVE TO THIS LOCATION IN MCHENRY COUNTY, ILLINOIS.

C. HERBICIDE SHALL BE MIXED AND PLACED IN CONTAINERS AWAY FROM ANY NATURAL AREA, TREES, SHRUBS, HERBACEOUS OR WOODY GROWTH, OR BODY OF WATER. HERBICIDES SHALL NOT BE TRANSPORTED TO THE WORK AREA IN ANY CONTAINER OTHER THAN THAT USED FOR APPLICATION.

D. WICK OR SPOT APPLICATION WITH RODEO, REED CANARY GRASS, TEASEL, BUCKTHORN, THISTLES, SWEET CLOVER, AND PURPLE LOOSESTRIFE PRESENT IN THE PROJECT VICINITY SHOULD BE TREATED DIRECTLY WITH A 2% SOLUTION OF RODEO. BEST APPLICATION PERIOD IS JUST BEFORE OR DURING THE VERY EARLIEST STAGES OF FLOWERING. WHERE LARGE PATCHES OF TARGET WEEDS ARE PRESENT IT MAY BE NECESSARY TO USE A LARGER WICK UNIT THAT CAN BE ATTACHED TO AN ALL-TERRAIN VEHICLE OR TRACTOR. SEVERAL BACK-TO-BACK TREATMENTS MAY BE USEFUL IN GREATLY REDUCING THESE PLANTS.

E. A SUPPLY OF CHEMICAL ABSORBENT SHALL BE MAINTAINED AT THE PROJECT SITE. ANY CHEMICAL SPILLS SHALL BE PROPERLY CLEANED UP AND REPORTED TO THE OWNER WITHIN 24 HOURS.

F. THE CONTRACTOR SHALL MAINTAIN COPIES AT THE PROJECT SITE OF ALL CURRENT PESTICIDE APPLICATOR'S LICENSES, HERBICIDE LABELS, AND MSDS (MATERIAL SAFETY DATA SHEETS) FOR ALL CHEMICALS UTILIZED DURING COMPLETION OF THE WORK.

G. TARGET SPECIES SHALL BE TREATED AS OFTEN AS REQUIRED TO MEET THE SEED AND PLANT GUARANTEES IN THESE SPECIFICATIONS.

H. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT NATIVE SPECIES AND AREAS OUTSIDE OF THE PROJECT AREA DURING EXECUTION OF THE WORK DESCRIBED IN THIS SECTION. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED OR DISTURBED BY THE WORK ACCORDING TO THE APPROVED PLANS AND SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.

3.2 METHOD - MOWING

A. THE CONTRACTOR SHALL MOW SEEDED AREAS TO A HEIGHT OF 6-10" AFTER VEGETATION IN SAID AREAS REACHES A HEIGHT OF APPROXIMATELY 24" AND BEFORE NON-NATIVE SPECIES GO TO SEED DURING THE FIRST GROWING SEASON AFTER PLANTING. MOWING DURING THE FIRST GROWING SEASON SHALL OCCUR THREE TIMES (APPROXIMATELY EARLY JUNE, MID JULY, AND LATE AUGUST). THE CONTRACTOR SHALL ALSO MOW SEEDED AREAS TO A HEIGHT OF 12" TWO TIMES DURING THE SECOND GROWING SEASON (APPROXIMATELY EARLY JUNE AND EARLY AUGUST) UNLESS THE PROJECT ECOLOGIST DETERMINES THAT MOWING IS NOT NEEDED.

B. MOWING SHOULD BE DONE WITH A ROTARY BUSH HOG STYLE MOWER TO ENSURE CLIPPINGS ARE DISPERSED RATHER THAN DEPOSITED IN DENSE MATS, WHICH SMOTHER VEGETATION. OR THE CLIPPINGS/BRANCHES SHOULD BE REMOVED FROM THE MOWED AREA.

3.3 METHOD - PRESCRIBED BURNING

A. PRESCRIBED BURNING SHALL BE THE PRIMARY METHOD OF LONG-TERM ECOLOGICAL MANAGEMENT AND WEED CONTROL OF PLANTING AREAS AT THE PROJECT SITE. BURNING SHALL BE CONDUCTED IN THE SPRING OF THE THIRD GROWING SEASON FOLLOWING INITIAL SEEDING, THEREAFTER, THE OWNER SHOULD CONTRACT A PARTY TO CONTINUE BURNING ONCE EVERY 2-3 YEARS. BURNING SHALL BE CONDUCTED BY A CONTRACTOR EXPERIENCED IN BURN PLANNING AND PERMIT APPLICATION AS WELL AS PRESCRIBED BURN MANAGEMENT.

B. PRIOR TO THE COMMENCEMENT OF PRESCRIBED BURNING, THE CONTRACTOR SHALL COMPILE A BURN PLAN THAT OUTLINES A PLAN OF ACTION, IDENTIFIES CONTINGENCIES, AND LISTS THE NAMES AND PHONE NUMBERS OF EMERGENCY AGENCIES (FIRE DEPARTMENT, POLICE DEPARTMENT, ETC.). PROPER NOTICE OF INTENT TO BURN SHALL BE GIVEN.

C. THE CONTRACTOR SHALL APPLY FOR AND RECEIVE ALL REQUIRED PERMITS PRIOR TO THE COMMENCEMENT OF PRESCRIBED BURNING.

3.4 CLEAN-UP, REMOVAL AND REPAIR

A. CLEAN UP. THE WORK AREA SHALL BE KEPT FREE OF DEBRIS BY THE CONTRACTOR. AT NO TIME SHALL EMPTY HERBICIDE CONTAINERS, TRASH, OR OTHER MATERIAL BE ALLOWED TO ACCUMULATE AT THE PROJECT SITE. ALL CLEANING OF HERBICIDE CONTAINERS SHALL BE DONE AWAY FROM THE OWNER'S PROPERTY OR ANY SURROUNDING AREA. ALL TOOLS SHALL BE KEPT IN APPROPRIATE CARRYING CASES, TOOLBOXES, ETC. PARKING AREAS, ROADS, SIDEWALKS, PATHS AND PAVED AREAS SHALL BE KEPT FREE OF MUD AND DIRT.

B. REMOVAL. AFTER WORK HAS BEEN COMPLETED REMOVE TOOLS, EMPTY CONTAINERS, AND ALL OTHER DEBRIS GENERATED BY THE CONTRACTOR.

C. REPAIR. REPAIR ANY DAMAGES CAUSED BY THE CONTRACTOR DURING COMPLETION OF THE WORK DESCRIBED IN THIS SECTION. SAID DAMAGES MAY INCLUDE, BUT ARE NOT LIMITED TO, TIRE RUTS IN THE GROUND, DAMAGE TO PLANTED AREAS, DAMAGE TO TRAILS, SMOKE AND/OR FIRE DAMAGE TO TREES, ETC. THE CONTRACTOR SHALL BE LIABLE FOR REMEDYING DAMAGES TO PLANT MATERIALS AND PROPERTY AT NO COST TO THE OWNER CAUSED BY CONTRACTOR NEGLIGENCE DURING COMPLETION OF THE WORK.

D. REPLANTING. AREAS OF PLANTING FAILURE WILL NEED TO BE REPLANTED. CONTRACTOR SHALL IDENTIFY THE AREAS OF FAILURE WITH THE OWNER AND DETERMINE THE REASON FOR FAILURE. REPLANTING IF NOT DUE TO VANDALISM OR REASONS NOT IDENTIFIED IN THE SITE WORK PLANTING SPECIFICATIONS) SHALL BE DONE BY THE CONTRACTOR AS PART OF THE SITE WORK TASKS. OTHER PLANTING FAILURE AREAS WILL BE REPLANTED BY CONTRACTOR AS EXTRA WORK AUTHORIZED IN WRITING BY THE OWNER PRIOR TO COMMENCEMENT OF THE CONSTRUCTION.

3.5 INSPECTION

A. AT THE REQUEST OF THE OWNER, THE CONTRACTOR SHALL SCHEDULE AN INSPECTION WITH THE OWNER TO REVIEW THE WORK COMPLETED BY THE CONTRACTOR PURSUANT TO THIS SECTION.

3.6 ACCEPTANCE AND GUARANTEE

A. FINAL ACCEPTANCE: MANAGEMENT SHALL BE CONSIDERED 100% COMPLETE AFTER THE CONTRACTOR HAS COMPLIED WITH ALL PARTS OF THIS SECTION AND MEETS ALL PERFORMANCE STANDARDS FOR SEEDED AREAS (SECTION-SEEDING 3.4), PLANTINGS (SECTION-HERBACEOUS PERENNIAL 3.4),

AQUA-BARRIER PRODUCT SPECIFICATION

1.1 SPECIFICATION

A WATER-INFLATED TEMPORARY DAM SHALL CONSIST OF THE FOLLOWING;

1. THE WATER INFLATED DAM WILL CONSIST OF A SELF CONTAINED, SINGLE TUBE WITH AN INNER RESTRAINT BAFFLE(S)/DIAPHRAGM(S) STABILIZATION SYSTEM. THE WATER-INFLATED DAM MUST HAVE THE ABILITY TO STAND ALONE, WITHOUT ANY ADDITIONAL EXTERNAL MECHANICAL OR GRAVITATIONAL STABILIZATION DEVICES, AS A POSITIVE WATER BARRIER AND WATER MANAGEMENT SYSTEM.
2. THE WATER-INFLATED DAM SHALL BE PRODUCED FROM HEAVY GAUGE POLYVINYL CHLORIDE (PVC) REINFORCED WITH POLYESTER. THE PVC FABRIC USED TO CREATE THE INFLATABLE DAM WILL BE INFIELD REPAIRABLE UTILIZING A VINYL ADHESIVE AND PATCH MATERIAL.
3. THE WATER-INFLATED DAM MUST MAINTAIN MECHANICAL STABILITY IN ADDITION TO PROVIDING ANTI ROLLING WHEN EXPOSED TO UNEVEN HYDROSTATIC PRESSURE FROM EITHER SIDE.
4. THE SELF-CONTAINED WATER INFLATED DAM SHALL HAVE THREADED FILL PORTS AND DRAIN PORTS FOR RAPID INFLATION AND DRAINING. THE DAM WILL BE EQUIPPED WITH END LIFTING LOOPS USED TO CONTROL THE DAM WITH EQUIPMENT DURING THE INSTALLATION AND REMOVAL PROCESS.
5. METHOD FOR CONNECTING THE INDIVIDUAL UNITS TOGETHER WILL CONSIST OF OVERLAPPING THE END OF THE UNITS A SPECIFIC LENGTH WHICH WILL CREATE A WATERTIGHT CONNECTION. NO OTHER DEVICES OR METHODS FOR CONNECTING THE BARRIERS ARE REQUIRED.

1.2 AQUA-BARRIER™ PRODUCT DESCRIPTION

AQUA-BARRIERS™ ARE WATER-INFLATED DAMS USED TO CONTROL INVASIVE WATER IN FLOODWATER SITUATIONS. A MEANS OF WATER MANAGEMENT TO PROVIDE ACCESS TO UNDERWATER AREAS FOR CONSTRUCTION AND MAINTENANCE OPERATIONS, HAZARDOUS LIQUID CONTAINMENT, SEDIMENT RETENTION IN ENVIRONMENTALLY SENSITIVE AREAS IN ADDITION TO A CONTINUALLY EXPANDING LIST OF WATER CONTROL RELATED APPLICATIONS.

AQUA-BARRIERS™ ARE A SINGLE TUBE DEVISE WITH A PATENTED INNER RESTRAINT BAFFLE(S)/DIAPHRAGM(S) STABILIZING SYSTEM REQUIRED FOR STABILITY.

1.3 DAM SIZE REQUIREMENTS

THE WATER-INFLATED TEMPORARY DAM HEIGHT SHALL BE DETERMINED AS FOLLOWS;

1. STATIC WATER HEIGHT CONDITIONS SHALL NOT EXCEED 75% OF THE PROPERLY FILLED HEIGHT OF THE BARRIER.
2. DYNAMIC WATER HEIGHT CONDITIONS SHALL NOT EXCEED STATED VALUE DURING HYDRODYNAMIC INSTALLATION PROCEDURES (SEE DYNAMIC INSTALLATION INSTRUCTIONS FOR COMPLETE LIST OF REQUIREMENTS).
3. INSTALLATION SITE CRITERIA ARE REQUIRED FOR ASSESSMENT OF ALL RELEVANT FACTORS.

EXCESS SLOPE, HIGH WATER VELOCITIES, DYNAMIC LOADS RESULTING FROM WAVE ACTIONS, MOUNTING SURFACE IRREGULARITIES, AND CHANGES IN INTERRELATED HYDROLOGICAL CONDITIONS CAN INCREASE THE REQUIRED WATER INFLATED DAM HEIGHT VERSES RETENTION HEIGHT REQUIREMENTS.

NORTH AMERICAN GREEN®
MATERIAL AND PERFORMANCE SPECIFICATIONS
SC150 EROSION CONTROL BLANKET

The extended-term double net erosion control blanket shall be a machine-produced mat of 70% agricultural straw and 30% coconut fiber with a functional longevity of up to 24 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw and coconut evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and applied at 0.63 x 0.63 (1.59 x 1.59 cm) mesh, and on the bottom side with a lightweight photodegradable polypropylene netting applied at 0.50 x 0.50 in (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread.

The SC150 shall meet requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation Federal Highway Administration's (FHWA) *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03, 713.17 as a type 3.B Extended-term Erosion Control Blanket.*

The SC150 is also manufactured with the DOT System™, which consists of installation staple patterns clearly marked on the finished blanket with environmentally safe colored thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2.5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

Material Content		
Matrix	Straw Fiber	0.35 lbs/yd² (0.19 kg/m²)
	Coconut Fiber	0.15 lbs/yd² (0.08 kg/m²)
Nettings	Top: Heavyweight photodegracable with UV additives	3.0 lbs/1000 ft² (1.47 kg/100 m²)
	Bottom: Lightweight Photodegradable	1.5 lbs/1000 ft² (0.73 kg/100 m²)
Thread	Degradable	

SC150 is available in the following standard rolls:

Width	6.67 ft (2.03 m)	16 ft (4.9 m)
Length	108 ft (32.92 m)	108 ft (32.92 m)
Weight ± 10%	44 lbs (19.95 kg)	105.6 lbs (47.9 kg)
Area	80.0 yd² (66.9 m²)	192 yd² (160.5 m²)

Index Value Properties:

Property	Test Method	Typical
Thickness	ASTM D6525	0.50 in (12.7 mm)
Resiliency	ECTC Guidelines	81.4%
Water Absorbency	ASTM D1117	200%
Mass/Unit Area	ASTM 6475	0.44 oz/yd² (388 g/m²)
Swell	ECTC Guidelines	30%
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	1.11 oz-in
Light Penetration	ECTC Guidelines	8.7%
Tensile Strength –MD	ASTM D6818	146.6 lbs/ft (2.17 kN/m)
Elongation – MD	ASTM D6818	26.9%
Tensile Strength – TD	ASTM D6818	147.6 lbs/ft (2.19 kN/m)
Elongation – TD	ASTM D6818	25.2%

Performance Design Values:

Maximum Permissible Shear Stress	
Unvegetated Shear Stress	2.00 lbs/ft² (95 Pa)
Unvegetated Velocity	8.00 ft/s (2.44 m/s)

Slope Design Data: C Factors

Slope Length	Slope Gradients (S)		
	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.001	0.048	0.100
20-50 ft	0.051	0.079	0.145
≥ 50 ft (15.2 m)	0.110	0.190	

Bench Scale Testing* (RECP):

Test Method	Parameters	Results
ECTC Method 2 Rainfall	200 mm (2 in)/hr for 30 min	SLR** = 5.47
	100mm (4 in)/hr for 30 min	SLR** = 5.67
	150 mm (6 in)/hr for 30 min	SLR** = 5.88
ECTC Method 3 Shear Resistance	**Shear at 0.50 inch soil loss**	**2.72 lbs/ft²**
ECTC Method 4 Germination	Top Soil, Fescue, 21 day incubation	538% improvement of biomass

* Bench scale tests should not be used for design purposes
** Soil Loss Ratio = Soil loss with Rare Soil/Soil Loss with RECP (soil loss is based on regression analysis)

Roughness Coefficients- Unveg.

Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.050
0.50 – 2.0 ft	0.050 – 0.018
≥ 2.0 ft (0.60 m)	0.018

NORTH AMERICAN GREEN®
MATERIAL AND PERFORMANCE SPECIFICATIONS
S75BN EROSION CONTROL BLANKET

The short-term single net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 12 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a 100% biodegradable woven natural organic fiber netting. The netting shall consist of machine directional strands formed from two intertwined yarns which form a continuous directional strands interwoven through the twisted machine strands (commonly referred to as a Leno weave) to form an approximate 0.50 x 0.50 in (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread.

The S75BN shall meet requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation Federal Highway Administration's (FHWA) *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03, 713.17 as a type 2.C Short-term Single Net Erosion Control Blanket.*

The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2.5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

Material Content		
Matrix	100% Straw Fiber	0.5 lbs/yd² (0.27 kg/m²)
Nettings	Top side only- Leno Woven 100% biodegradable natural organic fiber	9.3 lb/1000 ft² (4.54 kg/100 m²) approx.
Thread	Degradable	

S75BN s available in the following standard rolls:

Width	6.67 ft (2.03 m)
Length	108 ft (32.92 m)
Weight ± 10%	46.4 lbs (21.05kg)
Area	80.0 yd² (66.9 m²)

Index Value Properties:

Property	Test Method	Typical
Thickness	ASTM D6525	0.24 in (6.1 mm)
Resiliency	ECTC Guidelines	81.4%
Water Absorbency	ASTM D1117	200%
Mass/Unit Area	ASTM 6475	0.45 oz/yd² (339.7 g/m²)
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	5.92 oz-in
Light Penetration	ECTC Guidelines	9.1%
Tensile Strength –MD	ASTM D6818	187.2 lbs/ft (2.78 kN/m)
Elongation – MD	ASTM D6818	6.7%
Tensile Strength – TD	ASTM D6818	153.2 lbs/ft (2.86 kN/m)
Elongation – TD	ASTM D6818	8.5%

Performance Design Values:

Maximum Permissible Shear Stress	
Unvegetated Shear Stress	1.50 lbs/ft² (75 Pa)
Unvegetated Velocity	5.00 ft/s (1.52 m/s)

Slope Design Data: C Factors

Slope Length	Slope Gradients (S)		
	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.029	NA	NA
20-50 ft	0.11	NA	NA
≥ 50 ft (15.2 m)	0.19	NA	NA

Bench Scale Testing* (RECP):

Test Method	Parameters	Results
ECTC Method 2 Rainfall	200 mm (2 in)/hr for 30 min	SLR** = 6.63
	100mm (4 in)/hr for 30 min	SLR** = 7.25
	150 mm (6 in)/hr for 30 min	SLR** = 7.92
ECTC Method 3 Shear Resistance	**Shear at 0.50 inch soil loss**	**2.07 lbs/ft²**
ECTC Method 4 Germination	Top Soil, Fescue, 21 day incubation	464% improvement of biomass

* Bench scale tests should not be used for design purposes
** Soil Loss Ratio = Soil loss with Bare Soil/Soil Loss with RECP (soil loss is based on regression analysis)

Roughness Coefficients- Unveg.

Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.050
0.50 – 2.0 ft	0.050 – 0.021
≥ 2.0 ft (0.60 m)	0.021

NOTES:
SEE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

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Crystal Creek Realignment
Construction Notes & Specifications
Algonquin, Illinois
Village of Algonquin
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Drawn By:	EMK	AES Project No.:	09-0198 (02-527)
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No.	By	Date	Description
1	MWW	02-26-10	Final AES review for ACOE submittal
2	MWW	05-28-10	ACOE & MCSWCD Comments
3	MWW	05-16-11	ACOE permit submittal
4			
5			
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Sheet Number
10 of 10

FILE NAME = ...\D160F72-sht-Towne Park-12.dgn	USER NAME = akw	DESIGNED - AES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOWNE PARK PLANS	O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - AES	REVISED -			0003	18A-2	MCHENRY	825	409
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AES	REVISED -						CONTRACT NO. 60F72	
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -		SCALE: AS NOTED / SHEET NO. 12 OF 12 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		