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2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902

# LISLE PARK DISTRICT LISLE COMMUNITY PARK CANOE LAUNCH LISLE, ILLINOIS



LOCATION MAP

![](_page_0_Picture_13.jpeg)

3S701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 FAX (630) 393-2152

10 S. RIVERSIDE PLAZA, SUITE 87 CHICAGO, ILLINOIS 60606 PHONE (312) 474-7841 FAX (312) 474-6099

![](_page_0_Picture_16.jpeg)

**PREPARED FOR:** LISLE PARK DISTRICT LISLE, ILLINOIS PHONE: (630) 353-4310 FAX: (630) 964-7448

SOURCE B	ENCHMARK	
DUPAGE COUNTY BENCH STAINLESS STEEL ROD I ALUMINUM ACCESS COV OF WARRENVILLE RD, 68 OF YENDER AVE, 51 FT OF WARRENVILLE ROAD, TO ARBORETUM VILLAGE OF THE SOUTH EDGE OF	MARK "LISLE 08", A N CONCRETE WITH AN ER ALONG THE SOUTH S BO FT WEST OF CENTERL SOUTH OF THE CENTERI EAST OF WEST ENTRAN APARTMENTS, 1 FT SOU F SIDEWALK.	IDE INE LINE CE JTH
ELEVATION: 739.68 (NA	VD88)	
		1
SITE BEI	NCHMARK	
SET CUT CROSS IN ASP BACK OF CURB AT THE PARKING STALL OF PAR IMMEDIATELY WEST OF S OVER THE EAST BRANCI	HALT PATH 1 FT BEHIND SOUTHWEST CORNER KING LOT LOCATED SHORT STREET BRIDGE H DUPAGE RIVER.	
ELEVATION: 660.65 (NG	VD29)	
NOTE: ALL ELEVATIONS ON THE NGVD29 DATUM	SHOWN ON PLANS ARE	
DATUM C	ONVERSION	
ELEV. NAVD88 = ELEV.	NGVD29 - 0.27'	
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![](_page_0_Picture_19.jpeg)

ERA JOB NO .: 290903A

JULT IV, ZUIS

#### **GENERAL NOTES**

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED). CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY AND ALL UTILITIES AT AND SURROUNDING THE PROJECT SITE.
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION). THE DUPAGE COUNTY "COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE" AND THE EROSION & SEDIMENT CONTROL PRACTICES SHALL BE ACCORDING TO THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- 3. UNLESS AUTHORIZED BY THE OWNER, ALL EXISTING ACCESS TO PROJECT SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- 4. ALL EXCESS MATERIAL SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF ALL SPECIAL MANAGEMENT AREAS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE COST OF EARTH EXCAVATION
- 5. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO BEGINNING WORK.
- 6. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION LAYOUT.

#### TREE PLANTING

- 1. ALL TREES WILL BE A 6' TALL CLUMP MINIMUM OR EQUIVALENT B AND B. WOODY PLANT INSTALLATION SHALL OCCUR PRIOR TO TURF INSTALLATION. HOLES FOR ALL TREES SHALL BE DUG WITH A 6" MINIMUM AROUND ALL SIDES OF THE ROOT BALL. IF BALLED AND BURLAPED THE TWINE AROUND THE TRUNK SHALL BE REMOVED AND BURLAP MAY REMAIN. ALL TREES SHALL BE PLANTED IN THE PLUMB POSITION. A MULCH SAUCER SHALL BE PLACED AROUND ALL TREES FOR WATERING.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SURVIVAL OF SHRUBS AND TREES FOR UP TO ONE YEAR OR AS DETERMINED BY OWNER.
- 3. CONTRACTOR IS RESPONSIBLE FOR WATERING SHRUBS IMMEDIATELY. CONTRACTOR SHALL PROVIDE WATER FOR WATERING SHRUBS.

#### <u>TOPSOIL</u>

- 1. TOPSOIL SHALL NOT BE STOCKPILED AND MUST BE HAULED OFF-SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
- 2. TOPSOIL SHALL BE PLACED TO A DEPTH OF 6 INCHES AND SHALL BE MEASURED IN SQUARE YARDS.
- 3. THE CROSS SECTIONS AND SPOT GRADES INDICATE THE FINISHED GRADE OF TOPSOIL

#### EROSION CONTROL NOTES:

- 1. THE SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE ANY LAND IS DISTURBED ON THE SITE.
- 2. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.
- 3. IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.
- 4. WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
- 5. PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM THE SITE SHALL BE PROTECTED FROM EROSION IF THE VOLUME, VELOCITY, SEDIMENT LOAD, OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION.
- 6. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN FIFTEEN DAYS AFTER FINAL GRADE IS REACHED STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN FIFTEEN DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
- 7. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- 8. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.
- 9. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- 10. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- 11. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- 14. ALL DROP INLETS ON AND ADJACENT TO THE SITE MUST HAVE A SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES.
- 15. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY.
- 16. ALL TEMPORARY CONTROL MEASURES NECESSARY TO MEET THE REQUIREMENTS OF THE VILLAGE OF LISLE AND THE DUPAGE STORMWATER AND FLOOD PLAIN ORDINANCE SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
- 17. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED AND/OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING SEDIMENT LADEN WATER DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES IS PROHIBITED.
- 18. THE COFFERDAM SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING OUT SEDIMENT ACCUMULATION WHEN IT REACHES A HEIGHT OF 1/2 OF THE HEIGHT OF THE COFFERDAM AND PRIOR TO THE REMOVAL OF THE COFFERDAM.
- WHEN DESIGNING THE ABOVE GROUND DEWATERING/PUMPING BASIN, THE CONTRACTOR SHALL PROVIDE A STABLE OUTLET LINED WITH RIPRAP OR OTHER NON-FRODIBLE MATERIAL. THE FILTERING OF THE WATER SHALL CONTINUE UNTIL THE WATER REACHES ITS FINAL DESTINATION, THE EAST BRANCH OF THE DUPAGE RIVER. AT NO TIME SHALL THE WATER LEAVING THE BASIN BE PERMITTED OT FLOW OVER EXCAVATED OR ERODIBLE SURFACES.
- 19. THE CONTRACTOR SHALL SET UP OR INSTALL THE FOLLOWING PRIOR TO BEGINNING WORK ON THE CANOE LAUNCH: COFFERDAM, ABOVE GROUND DEWATERING/PUMPING BASIN, CONCRETE WASHOUT AREA AND THE PERIMETER EROSION BARRIER. ALL DISTURBED AREAS AND WORK AREAS SHALL BE ISOLATED FROM CREEK FLOWS AT ALI TIMES. THE DIVERSION/ISOLATION OF THE RIVER FLOWS MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS. THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT MUST BE IN AGREEMENT WITH THE OVERALL EXACT METHOD OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 20. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.

CONSTRUCTION SEQUENCING FOR THE IN STREAM WORK SHALL INCLUDE: DURING WORK ON THE STREAM BANKS, WORK MUST BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.

- THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO **REJOINING THE STREAMFLOW.**

#### NATIVE PLANT SEED

1. MATERIALS: I. ALL SEED SHALL BE HEALTHY, VIGOROUS, AND TRUE TO SPECIES AND VARIETY. ALL MATERIALS SHALL BE PROVIDED BY A CERTIFIED NURSERY AND SHALL BE FREE OF PESTS AND DISEASE. THE OWNER RESERVES THE RIGHT TO REJECT ANY UNSUITABLE OR OBJECTIONABLE PLANT MATERIAL. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR PLANT MATERIAL SUBSTITUTIONS. II. SEED SHALL BE OBTAINED AS CLOSE AS POSSIBLE TO THE PROJECT SITE. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR SUBSTITUTIONS AND PLANT MATERIAL PURCHASED OUTSIDE A 150 MILE RADIUS OF THE SITE.

III. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN (NAG) S75BN OR EQUIVALENT FOR DISTURBED AREAS. 2. SUBMITTALS:

HARVEST FOR EACH OF THE VARIOUS KINDS OF SEED. II. SUBMIT THE SPECIES AND NUMBER OF EACH SPECIES ALONG WITH A STATEMENT OF

THE PURITY OF THE SEEDS. THE NATIVE SEED MIXES SHALL BE TESTED NO GREATER THAN 6-MONTHS IN ADVANCE TO DETERMINE THE PERCENTAGE OF PURE LIVE SEED (PLS) AND SHALL MEET MINIMUM PLS LEVELS. ALSO, FURNISH ANY SEED PREPARATION REQUIRED FOR GERMINATION, SEEDING METHOD, AND SEEDING DATES. 3. DELIVERY, STORAGE, AND HANDLING

I. ALL SEEDS SHOULD BE PACKED AND COVERED IN SUCH A MANNER AS TO ENSURE ADEQUATE PROTECTION AGAINST DAMAGE AND MAINTAIN DORMANCY WHILE IN TRANSIT, STORAGE, OR DURING PLANTING OPERATIONS. DELIVERY OF SEED SHALL NOT BE ACCEPTED UNTIL PREPARATIONS FOR PLANTINGS HAVE BEEN COMPLETED. II. SEED WILL BE IN GOOD CONDITION AT THE TIME OF PLANTING, WITHOUT DISEASE, MOLD, OR MILDEW.

III. SEED WILL BE SPECIFIED AS "WEED FREE" ACCORDING TO THE ASSOCIATION OF OFFICIAL SEED ANALYSIS: RULES FOR TESTING SEEDS, JOURNAL OF SEED TECHNOLOGY,

4. INSTALLATION: I. SEEDBED PREPARATION:

A) SEEDBED PREPARATION METHOD SHALL BE APPROVED BY THE OWNER. CONTRACTOR IS REQUIRED TO SUBMIT SEEDBED PREPARATION MATERIAL METHOD IN WRITING TO THE OWNER ONE WEEK PRIOR TO COMMENCEMENT FOR APPROVAL

B) SEEDBED PREPARATION SHALL INCLUDE APPLICATION OF HERBICIDE APPLIED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS BY A LICENSED HERBICIDE APPLICATOR. SELECTION OF THE SPECIFIC HERBICIDE TO BE APPLIED WILL BE EFFECTIVE IN CONTROLLING WEED SPECIES WITHOUT DAMAGING DESIRABLE VEGETATION. THE SEEDBED SHALL BE FREE OF WEEDS. WITH SUFFICIENT TIME SINCE APPLICATION OF HERBICIDE TO ALLOW SEED GERMINATION. SEEDING SHALL OCCUR NO LESS THAN 14 DAYS AFTER HERBICIDE APPLICATION.

SHALL BE REMOVED AND DISPOSED OF LEGALLY OFF-SITE

AND ENGINEER.

II. SEEDING METHODS:

B) SEEDING SHALL TAKE PLACE BEFORE JUNE 10TH OR AFTER OCTOBER 15TH. TIME OF PLANTING IS CRITICAL IN THE SUCCESS OF ESTABLISHING PLANTS FROM SEED. APPROVAL FROM THE OWNER MUST BE RECEIVED FOR ALL PLANTING DATES. C) SEEDS SHALL NOT BE SOWN DURING TIMES OF HIGH WINDS, PERIODS OF SOIL SATURATION, OR WHEN SEEDING ACTIVITIES WOULD CAUSE SOIL COMPACTION. D) SEED ALONG STREAMBANKS SHALL BE INSTALLED UNDER NORTH AMERICAN GREEN (NAG) S75 BN OR EQUIVALENT EROSION CONTROL BLANKET. E) WATER SHALL BE APPLIED IMMEDIATELY AFTER INSTALLATION OF THE EROSION

MINIMUM DEPTH OF SIX (6) INCHES. F) CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EQUIPMENT NECESSARY FOR HOSES.

NATIVE HERBACEOUS PLANTS 1. MATERIALS:

I. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, AND TRUE TO SPECIES AND VARIETY. ALL MATERIALS SHALL BE PROVIDED BY A CERTIFIED NURSERY AND SHALL BE FREE OF PESTS AND DISEASE. ALL PLANT MATERIALS SHALL COMPLY WITH STATE AND FEDERAL LAWS WITH RESPECT TO INSPECTION FOR PLANT DISEASES AND INFESTATIONS. THE OWNER RESERVES THE RIGHT TO REJECT ANY UNSUITABLE OR OBJECTIONABLE PLANT MATERIAL. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR PLANT MATERIAL SUBSTITUTIONS.

II. PLUGS SHALL BE OBTAINED AS CLOSE AS POSSIBLE TO THE PROJECT SITE. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR SUBSTITUTIONS AND PLANT MATERIAL PURCHASED OUTSIDE A 150 MILE RADIUS OF THE SITE.

REVISIO	IS:							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DRAWN BY:	A.J.	
						CHECKED BY: APPROVED BY:	A.K. J.M.	RESOURCE

21. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITION IS FLOW AT OR BELOW THE NORMAL WATER

22. THE CONTRACTOR WILL NOT BE ALLOWED TO PLACE STOCKPILES OR ERODIBLE MATERIAL WITHIN THE PROJECT LIMITS. ALL OFF-SITE STOCKPILE LOCATIONS MUST BE SUBMITTED FOR APPROVAL PRIOR TO USE.

23. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

\_\_\_\_\_ CONTRACTOR SIGNATURE

1. CONCENTRATED FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM (STEEL SHEETS, AQUA BARRIERS, ETC.). EXACT MEANS AND METHODS SHOULD BE DISCUSSED DURING A SCHEDULED PRE-CONSTRUCTION MEETING. 2. IF BYPASS IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED A SUMP PIT AND

3. IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATER SHALL BE FILTERED USING FILTER BAGS OR AN ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL STREAM.

4. THE SIDE SLOPES MUST BE RESEEDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.

I. SUBMIT NAME AND LOCATION OF SEED SUPPLIERS INCLUDING ORIGIN AND DATE OF

C) SURFACE OF ROOTING MEDIA SHALL BE FREE FROM CLODS AND SHALL CONFORM TO THE LINES AND GRADES SHOWN ON THE PLANS. ALL CLUMPS, STONES, AND DEBRIS

D) THE SEEDBED SHALL BE PREPARED BY WORKING OR DISKING THE ROOTING MEDIA TO A MINIMUM DEPTH OF THREE (3) INCHES, REDUCING ALL SOIL PARTICLES TO A SIZE OF NOT LARGER THAN ONE (1) INCH IN DIAMETER, BUT WITHOUT COMPACTING THE SOIL OR DESTROYING THE CAPILLARY PORE SPACE OF THE SOIL. E) SEED SHALL NOT BE SOWN UNTIL THE SEEDBED HAS BEEN APPROVED BY THE OWNER

A) SEEDS FOR EACH NATIVE TYPE SHALL BE MIXED PRIOR TO SEEDING.

CONTROL BLANKET WITH A FINE SPRAY. THE AREA SHOULD BE SATURATED TO A

SEEDING AND ESTABLISHMENT OF SEED, INCLUDING WATERING EQUIPMENT, WATER, AND

#### 2. SUBMITTALS:

I. SUBMIT NAME AND LOCATION OF PLANT SUPPLIERS INCLUDING ORIGIN AND DATE OF HARVEST FOR EACH OF THE VARIOUS KINDS OF PLANTS. II. SUBMIT THE SPECIES AND NUMBER OF EACH SPECIES ALONG WITH THE PLANTING

METHOD AND START/FINISH DATES. 3. DELIVERY, STORAGE, AND HANDLING

I. EACH SPECIES SHOULD BE HANDLED AND PACKED IN THE MANNER APPROVED FOR THAT PLANT, HAVING REGARD FOR THE SOIL CLIMACTIC CONDITIONS AT THE TIME AND PLACE OF DIGGING AND DELIVERY, AND FOR THE TIME THAT WILL BE CONSUMED FOR TRANSIT AND DELIVERY.

II. PLANT MATERIALS SHALL BE PACKED TO ENSURE ADEQUATE PROTECTION AGAINST DAMAGE DURING TRANSIT. THE PLANTS SHALL BE PROTECTED WITH WET MATERIAL TO ENSURE THAT THE PLANT MATERIALS ARE DELIVERED IN A MOIST AND COOL CONDITION. THE VEHICLE SHOULD BE VENTILATED TO PREVENT OVER HEATING. III. PLANT MATERIALS SHALL BE STORED IN A SHADED AREA. WATERING SHALL OCCUR

TO MAINTAIN PLANT VIGOR DURING ON-SITE STORAGE. 4. INSTALLATION:

I. PLANTING SHALL TAKE PLACE BETWEEN MAY 15TH AND AUGUST 15TH. TIME OF PLANTING IS CRITICAL IN THE SUCCESS OF ESTABLISHING PLANT PLUGS. APPROVAL FROM THE OWNER MUST BE RECEIVED FOR ALL PLANTING DATES.

II. PLUGS SHALL BE PLANTED ON APPROXIMATELY 18-INCH CENTERS. III. HOLES SHALL BE SUFFICIENT SIZE TO ALLOW PLACING THE PLANT WITHOUT BENDING THE ROOTS. PLANTS SHALL BE PLACED FLUSH WITH THE EARTH SURFACE. HOLES SHALL BE FILLED WITH SOIL AND PRESSED TO FIRM EARTH SURFACE. IV. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EQUIPMENT NECESSARY FOR

PLANTING AND ESTABLISHMENT OF SEED, INCLUDING WATERING EQUIPMENT, WATER, AND HOSES.

#### SHRUB LIVE STAKES

1. MATERIALS:

I. ALL LIVE STAKES SHALL BE HEALTHY, VIGOROUS, AND TRUE TO SPECIES AND VARIETY. ALL MATERIALS SHALL BE PROVIDED BY A CERTIFIED NURSERY OR HARVESTED ON-SITE AND SHALL BE FREE OF PESTS AND DISEASE. ALL PLANT MATERIALS SHALL COMPLY WITH STATE AND FEDERAL LAWS WITH RESPECT TO INSPECTION FOR PLANT DISEASES AND INFESTATIONS. THE OWNER RESERVES THE RIGHT TO REJECT ANY UNSUITABLE OR OBJECTIONABLE PLANT MATERIAL. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR PLANT MATERIAL SUBSTITUTIONS.

II. LIVE STAKES SHALL BE FRESH CUT, STRAIT LIVE WOOD A MINIMUM OF 18" IN LENGTH AND 3/4" TO 3" IN DIAMETER. LIVE STAKES SHALL BE A LEAST 1 YEAR OLD. III. LIVE STAKES SHALL BE OBTAINED AS CLOSE AS POSSIBLE TO THE PROJECT SITE.

WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR SUBSTITUTIONS AND PLANT MATERIAL PURCHASED OUTSIDE A 150 MILE RADIUS OF THE SITE. 2. SUBMITTALS:

I. SUBMIT NAME AND LOCATION OF PLANT SUPPLIERS INCLUDING ORIGIN AND DATE OF HARVEST FOR EACH OF THE VARIOUS KINDS OF PLANTS. ON-SITE HARVESTING LOCATION SHALL BE APPROVED BY THE OWNER.

II. SUBMIT THE SPECIES AND NUMBER OF EACH SPECIES ALONG WITH THE PLANTING METHOD AND START/FINISH DATES. 3. DELIVERY, STORAGE, AND HANDLING

I. EACH SPECIES SHOULD BE HANDLED AND PACKED IN THE MANNER APPROVED FOR THAN PLANT, HAVING REGARD FOR THE SOIL CLIMACTIC CONDITIONS AT THE TIME AND PLACE OF DIGGING AND DELIVERY, AND FOR THE TIME THAT WILL BE CONSUMED FOR TRANSIT AND DELIVERY

II. PLANT MATERIALS SHALL BE PACKED TO ENSURE ADEQUATE PROTECTION AGAINST DAMAGE DURING TRANSIT. THE PLANTS SHALL BE STORED IN WATERPROOF CONTAINERS WITH THE BOTTOMS OF THE BUNDLES IMMERSED IN WATER TO ENSURE THAT THE PLANT MATERIALS ARE DELIVERED IN A MOIST AND COOL CONDITION. THE VEHICLE SHOULD BE VENTILATED TO PREVENT OVER HEATING DURING TRANSIT. III. PLANT MATERIALS SHALL BE STORED IN WATER AT ALL TIMES.

4. INSTALLATION:

I. PLANTING SHALL TAKE PLACE BEFORE JUNE 10TH OR AFTER OCTOBER 15TH. TIME OF PLANTING IS CRITICAL IN THE SUCCESS OF ESTABLISHING SHRUBS. APPROVAL FROM THE OWNER MUST BE RECEIVED FOR ALL PLANTING DATES.

II. LIVE STAKES SHALL BE PLANTED ON APPROXIMATELY THREE (3) FOOT CENTERS FROM TOP OF BANK TO TOE OF SLOPE, WHERE CALLED OUT ON PLANS AND DETAILS III. INSTALL NATIVE LIVE STAKES THROUGH EROSION CONTROL BLANKET AND

BIOENGINEERING STABILIZATION PRACTICES WITH PLANTING BAR. HOLES SHALL BE SUFFICIENT SIZE TO ALLOW PLACING THE PLANT WITHOUT BENDING THE SHOOTS, IF POSSIBLE AT OR BELOW VADOSE ZONE. TAMP SOIL AROUND STAKE. IV. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EQUIPMENT NECESSARY FOR PLANTING AND ESTABLISHMENT OF LIVE STAKES, INCLUDING WATERING EQUIPMENT, WATER. AND HOSES.

#### <u>SHRUBS</u>

1. MATERIALS:

I. ALL SHRUBS SHALL BE HEALTHY, VIGOROUS, AND TRUE TO SPECIES AND VARIETY. ALL MATERIALS SHALL BE PROVIDED BY A CERTIFIED NURSERY AND SHALL BE FREE OF PESTS AND DISFASE. ALL PLANT MATERIALS SHALL COMPLY WITH STATE AND FEDERAL LAWS WITH RESPECT TO INSPECTION FOR PLANT DISEASES AND INFESTATIONS. THE OWNER RESERVES THE RIGHT TO REJECT ANY UNSUITABLE OR OBJECTIONABLE PLANT MATERIAL. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR PLANT MATERIAL SUBSTITUTIONS.

II. ALL SHRUBS WILL BE A 3 GALLON MINIMUM.

III. SHRUBS SHALL BE OBTAINED AS CLOSE AS POSSIBLE TO THE PROJECT SITE. WRITTEN APPROVAL SHALL BE RECEIVED FROM THE OWNER FOR SUBSTITUTIONS AND PLANT MATERIAL PURCHASED OUTSIDE A 150 MILE RADIUS OF THE SITE. 2. SUBMITTALS:

I. SUBMIT NAME AND LOCATION OF PLANT SUPPLIERS INCLUDING ORIGIN AND DATE OF HARVEST FOR EACH OF THE VARIOUS KINDS OF PLANTS. ON-SITE HARVESTING LOCATION SHALL BE APPROVED BY THE OWNER.

II. SUBMIT THE SPECIES AND NUMBER OF EACH SPECIES ALONG WITH THE PLANTING METHOD AND START/FINISH DATES. 3. DELIVERY, STORAGE, AND HANDLING

I. EACH SPECIES SHOULD BE HANDLED AND PACKED IN THE MANNER APPROVED FOR THAT PLANT, HAVING REGARD FOR THE SOIL CLIMACTIC CONDITIONS AT THE TIME AND PLACE OF DIGGING AND DELIVERY, AND FOR THE TIME THAT WILL BE CONSUMED FOR TRANSIT AND DELIVERY

II. PLANT MATERIALS SHALL BE PACKED TO ENSURE ADEQUATE PROTECTION AGAINST DAMAGE DURING TRANSIT. THE VEHICLE SHOULD BE VENTILATED TO PREVENT OVER HEATING DURING TRANSIT.

III. PLANT MATERIALS SHALL BE STORED IN WATER AT ALL TIMES. 4. INSTALLATION:

I. PLANTING SHALL TAKE PLACE BETWEEN AUGUST 15TH AND NOVEMBER 15TH. TIME OF PLANTING IS CRITICAL IN THE SUCCESS OF ESTABLISHING SHRUBS. APPROVAL FROM THE OWNER MUST BE RECEIVED FOR ALL PLANTING DATES.

II. SHRUBS SHALL BE PLANTED ON APPROXIMATELY FIVE (5) FOOT CENTERS, WHERE CALLED OUT ON PLANS AND DETAILS.

III. HOLES FOR ALL SHRUBS SHALL BE DUG WITH A 6IN MINIMUM AROUND ALL SIDES OF THE BALL. THE BURLAP SHALL BE REMOVED FROM ALL BARE ROOT STOCK TREES AND SHRUBS. WHEREAS. IF BALLED AND BURLAPED THE TWINE AROUND THE TRUNK SHALL BE REMOVED AND BURLAP MAY REMAIN. ALL SHRUBS SHALL BE PLANTED IN THE PLUMB POSITION.

IV. WITHIN FIVE DAYS OF PLANTING, A MULCH SAUCER SHALL BE PLACED AROUND ALL SHRUBS FOR WATERING

V. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EQUIPMENT NECESSARY FOR PLANTING AND ESTABLISHMENT OF SHRUBS, INCLUDING WATERING EQUIPMENT, WATER, AND HOSES.

EERING

WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 ASSOCIATES FAX (630) 393-2152

3S701 WEST AVENUE, SUITE 150 10 S. RIVERSIDE PLAZA, SUITE 875 CHICAGO, ILLINOIS 60606 PHONE (312) 474-7841 FAX (312) 474-6099

2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902

LISLE PARK DI LISLE, ILLIN

#### Slope Stabilization Seed Mix

Botanical Name	<u>Common Name</u>	PLS Ounces/Acre
Permanent Grasses:		
Andropogon gerardii	Big Bluestem	48.00
Bouteloua curtipendula	Side-Oats Gramma	16.00
Carex spp.	Prairie Sedge Species	4.00
Elymus canadensis	Canada Wild Rye	32.00
Elymus virginicus	Virginia Wild Rye	24.00
Panicum virgatum	Switch Grass	12.00
Schizachyrium scoparium	Little Bluestem	32.00
Sorghastrum nutans	Indian Grass	32.00
	Tota	200.00
Temporary Cover:		
Avena sativa	Common Oat	752.00
	Tota	752.00

#### Native Herbaceous Plantings

Acronym	Species Name	Common Name	Size of Stock	Quantity
ANDSCO	Andropogon scopiarus	Little Bluestem	QUART	79
ASCTUB	Asclepias tuberosa	Butterfly Weed	QUART	68
PENDIG	Penstemon digitalis	Foxglove Beard Tongue	QUART	44
ECHPAL	Echinacea pallida	Purple Coneflower	QUART	44
LIACYL	Liatris cylindracea	Cylindrical Blazing Star	QUART	33
RUDSUB	Rudbeckia subtomentosa	Sweet Black-Eyed Susan	QUART	46
SPOHET	Sporobolus heterolepsis	Prairie Dropseed	QUART	80

#### I ive Stakes

Species Name	Common Name	Size of Stock	Quantity
Sambucas canadensis	Elderberry	3⁄4"-3" dia	20

Trees & Shrubs		-	
Species Name	Common Name	Size of	Quantity
Rhus aromatica 'Gro-Low'	Gro-Low Sumac	3 Gallon	10
Cornus stolonifera	Red Osier Dogwood	5 Gallon	6
Betula nigra	River Birch	6' Clump	2

	TITLE:		SCALE: NONE
STRICT			DATE: NOVEMBER,
		GENERAL NOTES	<i>JOB NO</i> : 27100
013			
			SHEET 2 OF

![](_page_2_Figure_0.jpeg)

#### -EXISTING STUMPS TO REMAIN

-REMOVE EXISTING SHRUB

Scale: 1'' = 10'

ENGINEERING<br/>RESOURCE ASSOCIATES3S701 WEST AVENUE, SUITE 150<br/>WARRENVILLE, ILLINOIS 60555<br/>PHONE (630) 393-3060<br/>FAX (630) 393-215210 S. RIVERSIDE PLAZA , SUITE 875<br/>CHICAGO, ILLINOIS 60606<br/>PHONE (312) 474-7841<br/>FAX (312) 474-6099

2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902

## LISLE PARK DISTRICT LISLE, ILLINOIS

![](_page_2_Figure_17.jpeg)

![](_page_2_Picture_18.jpeg)

![](_page_2_Figure_19.jpeg)

	SUNT ONCELE MSHOUT	
DATE DI DESCRIPTION DATE DI DESCRIPTION	CHECKED BY: A.K. APPROVED BY: J.M. CHECKED BY: A.K. APPROVED BY: J.M. CHECKED BY: A.K. CHECKED BY: A.K.	CHICAGO, ILLINOIS 60606 CHAMPAIGN, ILLINOIS 61821   PHONE (312) 474-7841 PHONE (217) 351-6268   FAX (312) 474-6099 FAX (217) 355-1902

![](_page_3_Picture_1.jpeg)

# LISLE PARK DISTRICT LISLE, ILLINOIS

PERMANENT BUFFER IMPACTS 0.036 ACRES TEMPORARY BUFFER IMPACTS (TURF GRASS R&R) 0.022 ACRES BUFFER ENHANCEMENT 0.033 ACRES TEMPORARY WATERS OF THE US IMPACTS 0.002 ACRES PERMANENT WATERS OF THE US IMPACTS 0.004 ACRES

Scale: 1" = 10'

SEDIMENT EROSION CONTROL AND

BUFFER IMPACT PLAN

*SCALE*: 1"=10' *DATE:* NOVEMBER, 2018 *JOB NO:* 271005 <u>SHEET 4 OF 6</u>

TITLE:

![](_page_4_Figure_1.jpeg)

### ACRONYM SPECIES

PENDIG (66.58 SF)

![](_page_4_Picture_4.jpeg)

LIACYL (59.40 SF)

ECHPAL (72.62 SF)

SPOHET (116.94 SF)

RUDSUB (75.39 SF)

ASCTUB (102.03 SF)

ANDSCO (108.30 SF)

SEED TURFGRASS 0.022 ACRES

SLOPE STABILIZATION SEED MIX 0.020 ACRES

![](_page_4_Figure_14.jpeg)

<u>SHEET 5 of 6</u>

TITLE:

![](_page_5_Figure_0.jpeg)

✓ 100 YEAR 665.27' NGVD 29 (665.00 NAVD88)

✓ 10 YEAR 662.67' NGVD29 (662.40' NAVD88)

#### **CONSTRUCTION SEQUENCE:**

1. INSTALL COEFFERDAM 2. CONSTRUCT TRENCH 4. DEWATER TRENCH 5. TREAT WATER WITH DEWATERING SEDIMENT FILTER BAG THROUGHOUT CONSTRUCTION DURATION 6. CONSTRUCT CANOE LAUNCH 7. BACKFILL SUMP PITS TO GRADE W/ RIVER ROCK 8. REMOVE COFFERDAM 9. REMOVE SILT SCREEN

THE TWINE AROUND THE

AND BURLAP TO REMAIN.

TRUNK SHALL BE REMOVED

3-STABILIZE TREE WITH BIODEGRADABLE

TREE TIES (ARBORTIE OR APPROVED

EQUAL) ANCHORED OUTSIDE OF

- BACKFILL WITH EXISTING SOIL

ROOTBALL. REMOVED IN 1 YEAR.

-FINISHED GRADE

EXISTING SUBGRADE

N.W.L. 654.36'

- STREAMBED

![](_page_5_Figure_7.jpeg)

![](_page_5_Figure_8.jpeg)

ENGINEERING

3S701 WEST AVENUE, SUITE 150 10 S. RIVERSIDE PLAZA, SUITE 875 WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 RESOURCE ASSOCIATES FAX (630) 393-306

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FAX (217) 355-1902

# LISLE, ILLINOIS

![](_page_5_Figure_14.jpeg)

<u>SHEET 6 OF 6</u>

6-0" OR 8'-0"