

GENERAL NOTES

- ALL EXISTING SITE TOPOGRAPHY, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM SURVEY DATA PREPARED BY:
 STACEY FERGUSON LAND SURVEYING, INC.
 239 E. WILSON STREET
 BATAVIA, ILLINOIS 60510
 TEL: 630/879-0158
- ALL EXISTING UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY THE CONSERVATION FOUNDATION AND/OR CITY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING HIS WORK.
- THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS V3 COMPANIES, LTD., THE CITY, THE CONSERVATION FOUNDATION AND THEIR EMPLOYEES AND AGENTS WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.
- ALL ELEVATIONS ARE BASED ON SITE BENCHMARK DATUM. BENCHMARK LOCATIONS AND ELEVATIONS ARE SHOWN ON THE COVER SHEET.
- ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, AND ALL ADDENDA THERETO, SHALL GOVERN THE WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
- NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
- THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS OPERATIONS ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS.
- PRIOR TO NEW WORK THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES TO BE CONNECTED TO PROPOSED WORK. DISCREPANCIES SHALL BE REPORTED TO THE CONSERVATION FOUNDATION AND/OR CITY ENGINEER IMMEDIATELY.
- BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.
- ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEM IN ACCORDANCE WITH THE EROSION CONTROL MEASURES INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES.
- THE CONTRACTOR SHALL NOTIFY THE CONSERVATION FOUNDATION AND THE CITY 48 HOURS PRIOR TO ANY NEW CONSTRUCTION.
- ALL TREES SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH CITY STANDARDS.
- PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS SHOWN.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES IN OR WITHIN 2 FEET OF PAVED AREAS PER DETAIL ON DRAWING.
- CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL UNDERGROUND UTILITY CONSTRUCTION AND SUBMIT "RECORD" INFORMATION TO THE CITY.
- EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS.
- EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

EARTHWORK & GRADING

- WORK UNDER THIS SECTION SHALL INCLUDE THE ACTIVITIES NECESSARY TO COMPLY WITH THE PLANS. SPECIFIC SEQUENCING AND OTHER EARTHWORK & GRADING SPECIFICATION SHALL BE DETERMINED BY THE CONSERVATION FOUNDATION AND/OR THE CITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF OF ALL SITE CONDITIONS. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE CONSERVATION FOUNDATION.

SEEDING & PLANTING

- WORK UNDER THIS SECTION SHALL INCLUDE THE ACTIVITIES NECESSARY TO COMPLY WITH THE PLANS. SPECIFIC SPECIFICATIONS RELATED TO PLANTING AND SEEDING ACTIVITIES SHALL BE PROVIDED BY THE CONSERVATION FOUNDATION AND/OR THE CITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF OF ALL SITE CONDITIONS. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE CONSERVATION FOUNDATION.

LEGEND

EXISTING	PROPOSED	DESCRIPTION	ABBREVIATIONS
---	---	RIGHT-OF-WAY LINE	B-B BACK TO BACK OF CURB
---	---	PROPERTY LINE (EXTERIOR)	B/C BACK OF CURB
---	---	LOT LINE (INTERIOR)	BLDG BUILDING
---	---	EASEMENT LINE	BM BENCHMARK
---	---	FENCE LINE	BV/VV BUTTERFLY VALVE IN VALVE VAULT
---	---	CENTERLINE	C & G CURB AND GUTTER
---	---	PROPERTY CORNER	CB CATCH BASIN
---	---	CONTOUR	CL CENTERLINE
---	---	CURB	CL CLOSED LID
---	---	DEPRESSED CURB	DIP DUCTILE IRON PIPE
---	---	REVERSE PITCHED CURB	DIA. DIAMETER
---	---	SPOT ELEVATION	DIWM DUCTILE IRON WATER MAIN
---	---	UTILITY STUB	DWG. DRAWING
---	---	SANITARY SEWER	E EAST OR ELECTRIC
---	---	SANITARY FORCE MAIN	EJ EXPANSION JOINT
---	---	STORM SEWER	ELEV. ELEVATION
---	---	WATER MAIN	E/P EDGE OF PAVEMENT
---	---	GAS MAIN	EX. EXISTING
---	---	UNDERGROUND TELEPHONE & ELECTRIC DUCT BANK	F & G FRAME & GRATE
---	---	BURIED CABLE-ELECTRIC	FES FLARED END SECTION
---	---	BURIED CABLE-TELEPHONE	F-F FACE TO FACE OF CURB
---	---	UTILITY STRUCTURE WITH CLOSED LID	F.F. FINISHED FLOOR
---	---	CURB INLET	F/G FINISHED GRADE
---	---	DRAINAGE STRUCTURE WITH OPEN LID	FH FIRE HYDRANT
---	---	FIRE HYDRANT	F/L FLOW LINE
---	---	VALVE IN VALVE BOX	FO FIRE OPTIC CABLE
---	---	GATE VALVE IN VALVE VAULT	G GAS LINE
---	---	POST INDICATOR VALVE	GV/VB GATE VALVE IN VALVE BOX
---	---	THRUST BLOCK	GV/VV GATE VALVE IN VALVE VAULT
---	---	TREE	HDCP HANDICAP
---	---	TREE LINE	HDPE HIGH DENSITY POLYETHYLENE PIPE
---	---	CONCRETE HEADWALL	HDW HEADWALL
---	---	SUBMERGED HEADWALL	HOR. HORIZONTAL
---	---	FLARED END SECTION (F.E.S.)	HP HIGH POINT
---	---	GUY WIRES	HWL HIGH WATER LEVEL
---	---	FLOOD LIGHT	IE INVERT ELEVATION
---	---	UTILITY POLE	IN INLET
---	---	LIGHT STANDARD	LF LINEAL FEET
---	---	TRAFFIC SIGNAL POLE	LP LOW POINT OR LIGHT POLE
---	---	HAND HOLE	L LEFT
---	---	SOIL BORING	MH MANHOLE
---	---	IRRIGATION HEADS	MW MONITORING WELL
---	---	SIGN	N NORTH
---	---	TELEPHONE MANHOLE	N.I.C. NOT IN CONTRACT / NOT INCLUDED
---	---	MONITORING WELL	NWL NORMAL WATER LEVEL
---	---	TELEPHONE PEDESTAL	O.C. ON CENTER
---	---	TRANSFORMER PAD	OL OPEN LID
---	---	UTILITY TO BE ABANDONED	PC POINT OF CURVATURE
---	---	FEATURE TO BE REMOVED	PCC PORTLAND CEMENT CONCRETE
---	---	STORMWATER FLOW DIRECTION	PGL PROFILE GRADE LINE
---	---	STORMWATER OVERFLOW ROUTE	PI POINT OF INTERSECTION
---	---	STRAWBALE DITCH CHECK	PL PROPERTY LINE
---	---	STRAW BALE SEDIMENTATION TRAP	PP POWER POLE
---	---	SILT FENCE	PRC POINT OF REVERSE CURVATURE
---	---	WATER MAIN PROTECTION	PT POINT OF TANGENCY
---	---	TRENCH BACKFILL	P.U.E. PUBLIC UTILITY EASEMENT
---	---	UTILITY CROSSING	PVC POINT OF VERTICAL CURVATURE OR POLYVINYL CHLORIDE PIPE
---	---	GUARDRAIL	PVI POINT OF VERTICAL INTERSECTION
---	---	RAILROAD TRACKS	PVT POINT OF VERTICAL TANGENCY
---	---	REVISION DELINEATION	R RADIUS OR RIGHT
---	---	CONSTRUCTION LIMIT LINE	RCP REINFORCED CONCRETE PIPE
---	---		R.O.W. RIGHT OF WAY
---	---		S SLOPE OR SOUTH
---	---		SAN SANITARY
---	---		SF SILTATION FENCE
---	---		SFM SANITARY FORCE MAIN
---	---		SHT SHEET
---	---		SHW SUBMERGED HEADWALL
---	---		SMH SANITARY MANHOLE
---	---		STA. STATION
---	---		ST STORM STRUCTURE OR STORM SEWER
---	---		STMH STORM MANHOLE
---	---		T TANGENT LENGTH OR TELEPHONE
---	---		T/C TOP OF CURB
---	---		T/P TOP OF PIPE
---	---		TY TYPE
---	---		TYP TYPICAL
---	---		RCP REINFORCED CONCRETE PIPE
---	---		UP UTILITY POLE
---	---		VB VALVE BOX
---	---		VC VERTICAL CURVE
---	---		VERT. VERTICAL
---	---		VV VALVE VAULT
---	---		W WEST
---	---		WM WATER MAIN

APPROVED FOR CONSTRUCTION
 City of Batavia Engineering Department
Andrea Rattray
 Name Civil Engineer Date JAN 06 2011
 Title _____

REVISIONS

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

PROJECT NO:	06013	DESIGNED BY:	DLM
FILE NAME:	GAL06013	DRAWN BY:	GSW
DATE:	11/11/10	CHECKED BY:	DLM
SCALE:	NONE	PROJECT MANAGER:	KJ

WINDMILL LAKES UNIT 2
 DETENTION BASIN RETROFIT
 BATAVIA ILLINOIS

GENERAL NOTES AND SPECIFICATIONS

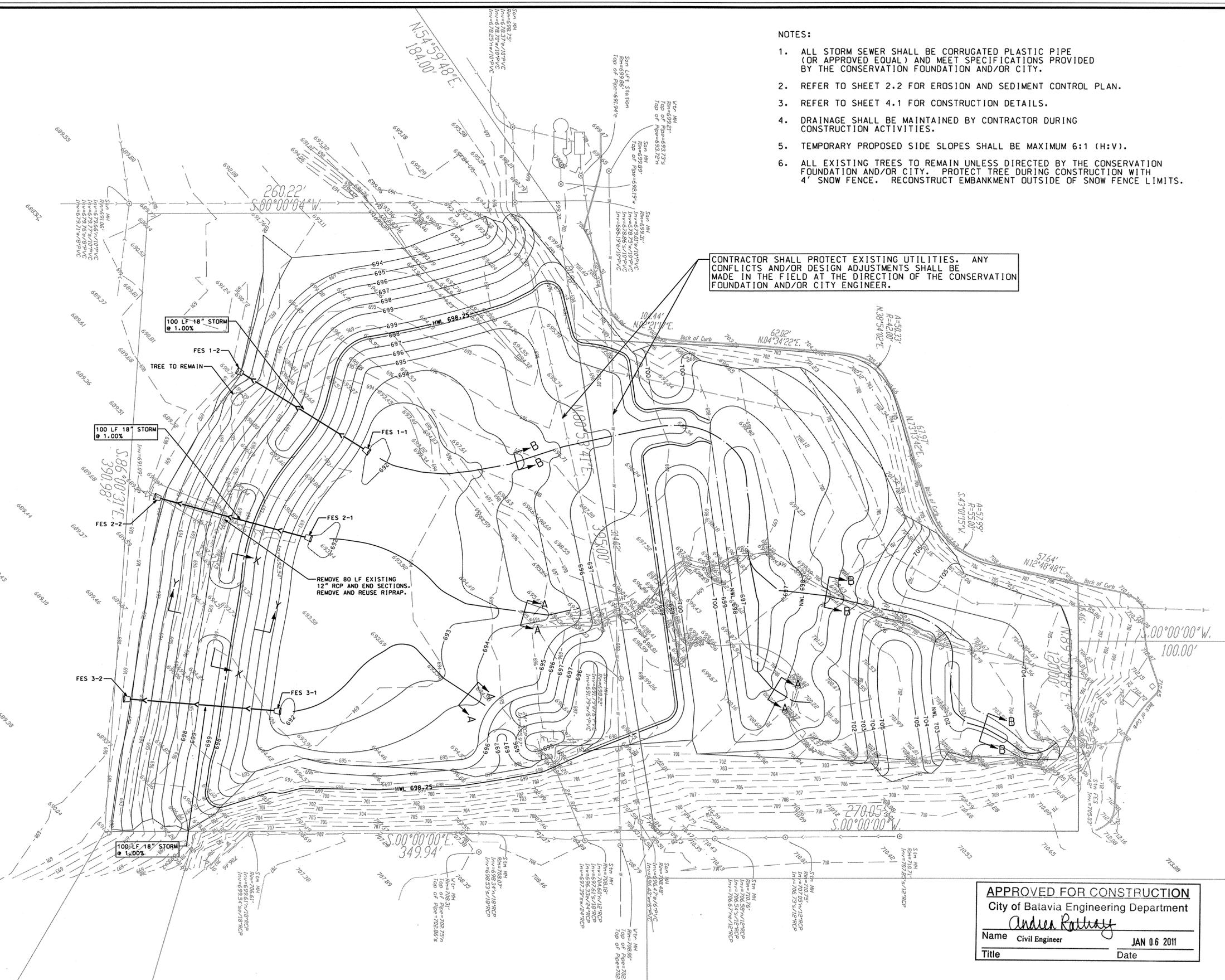
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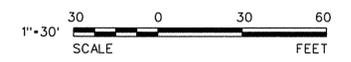
- FES 1-1
18" FLARED END SECTION
WITH GRATE AND 5 SYD RIP-RAP
IE 692.00
- FES 1-2
18" FLARED END SECTION WITH GRATE,
10 SYD RIP-RAP & LEVEL SPREADER
IE 691.00
- FES 2-1
18" FLARED END SECTION
WITH GRATE AND 5 SYD RIP-RAP
IE 692.00
- FES 2-2
18" FLARED END SECTION WITH GRATE,
10 SYD RIP-RAP & LEVEL SPREADER
IE 691.00
- FES 3-1
18" FLARED END SECTION
WITH GRATE AND 5 SYD RIP-RAP
IE 692.00
- FES 3-2
18" FLARED END SECTION WITH GRATE,
10 SYD RIP-RAP & LEVEL SPREADER
IE 691.00

- NOTES:
1. ALL STORM SEWER SHALL BE CORRUGATED PLASTIC PIPE (OR APPROVED EQUAL) AND MEET SPECIFICATIONS PROVIDED BY THE CONSERVATION FOUNDATION AND/OR CITY.
 2. REFER TO SHEET 2.2 FOR EROSION AND SEDIMENT CONTROL PLAN.
 3. REFER TO SHEET 4.1 FOR CONSTRUCTION DETAILS.
 4. DRAINAGE SHALL BE MAINTAINED BY CONTRACTOR DURING CONSTRUCTION ACTIVITIES.
 5. TEMPORARY PROPOSED SIDE SLOPES SHALL BE MAXIMUM 6:1 (H:V).
 6. ALL EXISTING TREES TO REMAIN UNLESS DIRECTED BY THE CONSERVATION FOUNDATION AND/OR CITY. PROTECT TREE DURING CONSTRUCTION WITH 4' SNOW FENCE. RECONSTRUCT EMBANKMENT OUTSIDE OF SNOW FENCE LIMITS.

CONTRACTOR SHALL PROTECT EXISTING UTILITIES. ANY CONFLICTS AND/OR DESIGN ADJUSTMENTS SHALL BE MADE IN THE FIELD AT THE DIRECTION OF THE CONSERVATION FOUNDATION AND/OR CITY ENGINEER.



APPROVED FOR CONSTRUCTION
City of Batavia Engineering Department
Andree Rattay
Name: Civil Engineer Date: JAN 06 2011
Title: Date:



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

SEAL:

PROJECT NO.: 06013
FILE NAME: GRD06013
DATE: 11/11/10
SCALE: 1" = 30'

DESIGNED BY: SWA
DRAWN BY: JMD
CHECKED BY: DLM
PROJECT MANAGER: KJ
BATAVIA ILLINOIS

**WINDMILL LAKES UNIT 2
DETENTION BASIN RETROFIT**

SITE GRADING AND DRAINAGE PLAN

DRAWING NO.
2.1

STORM WATER POLLUTION PREVENTION PLAN NOTES

This plan has been prepared to comply with the NPDES permit number 8170, issued by the Illinois Environmental Protection Agency (EPA) for stormwater discharges from construction site activities.

The permittee must comply with all conditions of the General Permit. Any non-compliance constitutes a violation of the RPA and the Clean Water Act and can be grounds for enforcement action, permit revocation, modification, reissuance, termination, or denial of a permit renewal.

1. Site Description

- The construction activity consists of mass grading, construction of utilities and native vegetation installation.
- The intended sequence of major activities which disturb soils for major portions of the site is clearing and grubbing, topsoil stripping, mass grading, utility construction, fine grading, placement of topsoil and establishment of permanent vegetation.
- The total area of the site is approximately 4.5 acres and approximately 2.8 acres are expected to be disturbed by excavation, grading, or other activities.
- The runoff coefficient of the site after construction activities are completed is estimated to be 0.20. The soil types that are present on the site are E18d and Yama. The project consists of predominantly type C soils according to the Soil Survey of Kane County.
- This plan indicates drainage patterns and approximate slopes anticipated before and after major grading activities. Locations where vehicles enter or exit the site and controls to prevent off-site sediment tracking, areas of soil disturbance, the location of major structural and architectural elements identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where stormwater is discharged to a surface water.

2. Controls

- Erosion and Sediment Controls**
 - Stabilization Practices**
 - Prior to mass earthwork of each area of the site, silt fence and stabilized construction entrances shall be installed as indicated on the plan.
 - Upon completion of mass grading of the convenience channels and outlet pipes, rock check dams and silt fence shall be installed.
 - All disturbed areas of the site shall be brought to final grade, reseeded with topsoil and established with permanent vegetation as soon as practicable.
 - These controls shall be actively maintained until the stabilization of those portions of the site upward of the perimeter control.

Except as provided in paragraphs (A) and (B) below, stabilization measures shall be installed as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

(A) When the intention of stabilization measures by the 7th day after construction activity temporarily or permanently ceases is preceded by snow cover, stabilization measures shall be initiated as soon as practicable.

(B) Where construction activity will resume on a portion of the site within 14 days from when activities ceased, (e.g. the time period that construction activity is temporarily ceased is less than 14 days) then stabilization measures do not have to be initiated on that portion of the site by the 7th day after construction activity temporarily ceases.

- Structural Practices**
 - Disturbed areas of the site shall be graded to drain to the stormwater facility outlet.
 - Silt fence shall be installed downstream of any areas that do not drain through the stormwater facility. Silt fence shall be actively maintained until final stabilization of those portions of the site upward of the perimeter control.
 - Rock check dams and silt fence shall be installed in areas of concentrated flow.

- Storm Water Management**
 - The site is an existing stormwater management facility that has been designed for a storm event equal to or greater than a 100-year 24 hour rainfall event. The retention pond will be placed and installed with native vegetation.
 - Rip rap to be placed at inlet and discharge locations to provide a non-erosive velocity flow from within the stormwater management system.

- Other Controls**
 - Waste Disposal: No solid materials, including building materials, shall be discharged to Waters of the State, except as authorized by a Section 106 permit.
 - The Contractor is responsible for compliance with applicable State and/or local waste disposal and sanitary sewer or septic system regulations.

- Approved State or Local Plans** Except where modified on this plan, all work proposed herein shall be in accordance with the Kane County Stormwater Ordinance, the City of Batavia Municipal Code, and the requirements contained in Illinois Environmental Protection Agency's Storm Water Manual, 2010. In the event of conflicting specifications with Agency's Storm Water Manual, the more stringent requirement shall govern.

- Maintenance** The Contractor shall maintain the sediment and erosion control measures identified on this plan until the site is stabilized. Items in need of repair shall be addressed as soon as practicable. Maintenance items include silt fence, silt fence, construction entrances, slope lines and vegetation throughout the site. Furthermore, soil that is transported offsite shall be cleaned daily, or as requested by the local agency.

- Inspections** Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been stabilized. Inspections shall include measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm that is 0.5 inch or greater equivalent rainfall. Qualified personnel means a person knowledgeable in the principles and practice of erosion and sediment control, such as a licensed professional engineer or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities.

- Disturbed areas and areas used for storage of materials that are identified in this plan shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in this plan shall be observed to ensure they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.**

- Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph 3 (Site Description) of these notes and pollution prevention measures identified in the plan in accordance with paragraph 2 (Controls) of these notes shall be revised as appropriate as soon as practicable after each inspection. Such modifications shall provide for timely implementation of any changes to the plan within 7 calendar days following the inspection.**

- A report summarizing the scope of the inspection, names and qualifications of personnel making the inspection, the details of the inspection, observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph 3 above shall be submitted to the Agency as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. The report shall be signed by the Permittee.**

- All reports of non-compliance shall be signed by the Permittee.**

- Reports of non-compliance shall be made to the Agency at the following address:**
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 South Grand Avenue East
Springfield, Illinois 62794-9276

- Non-Storm Water Discharges.** The following sources of non-stormwater may be controlled by stormwater discharges associated with the industrial activity addressed in this plan:
 - Fire fighting activities
 - Water meter hydraulic flushing
 - Watering for dust control
 - Impaction damage for vegetation growth
 - Wash water where detergents are not used
 - Uncontaminated ground water

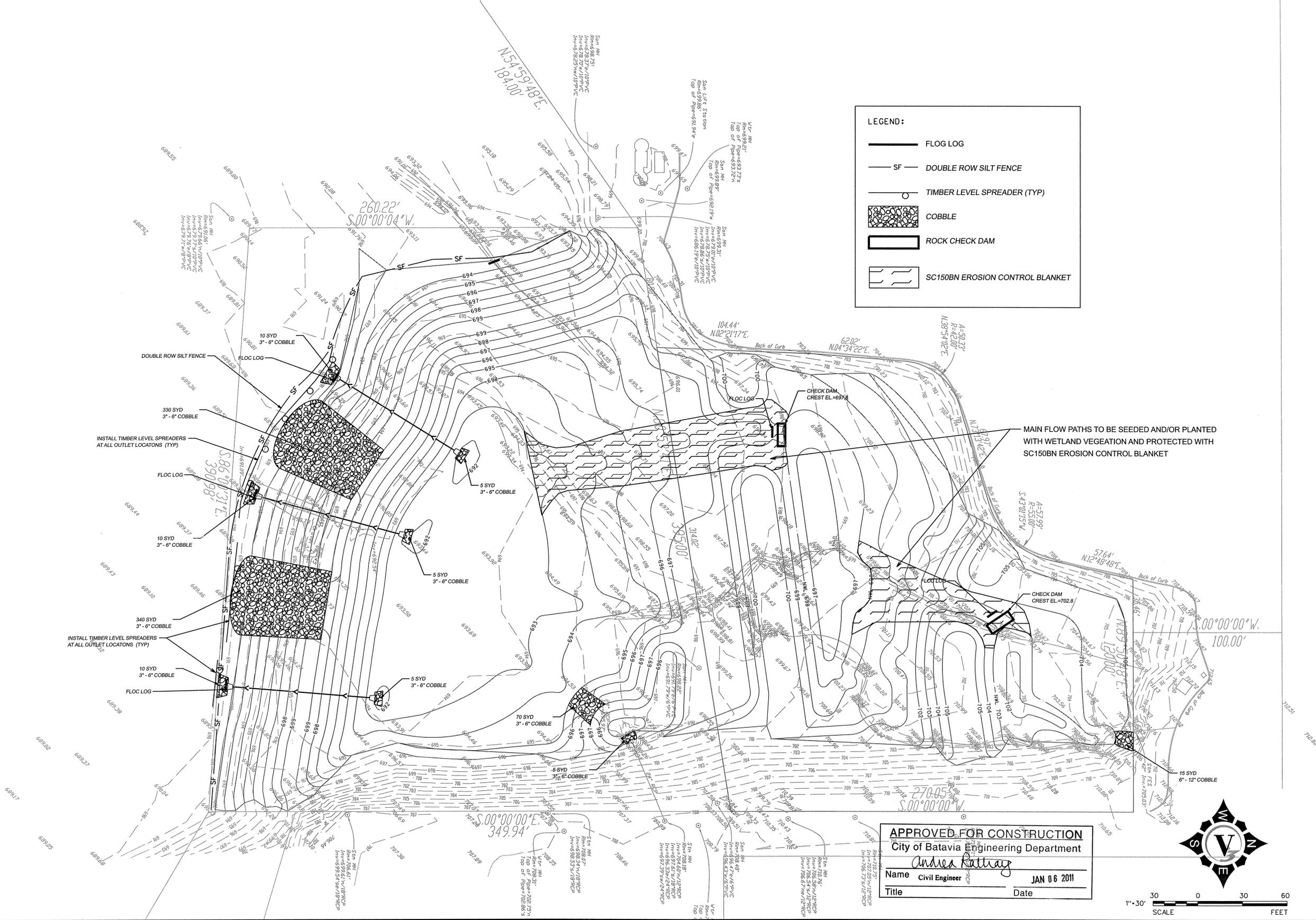
- Retention of Records**
 - The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit, for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.
 - The permittee shall retain a copy of the storm water pollution prevention plan required by this permit at the construction site from the date of project initiation to the date of final stabilization.

- Notice of Termination:** Upon Final stabilization of the site the permittee shall submit a completion notice of termination in accordance with NPDES Permit No. 8170.

- Certification Statement:** The following statement shall be signed prior to any work authorized by NPDES Permit No. 8170 is performed at the site. The undersigned is responsible for implementation of all measures identified on this plan.

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (8170) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Date this _____ day of _____ 2010
By _____ Title _____
Company _____
Address _____
Telephone _____



REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

PROJECT NO.: 06013
FILE NAME: GRD206013
DATE: 11/11/10
SCALE: 1"=30'

DESIGNED BY: SWA
DRAWN BY: JMD
CHECKED BY: DLM
PROJECT MANAGER: KJ

**WINDMILL LAKES UNIT 2
DETENTION BASIN RETROFIT**

BATAVIA ILLINOIS

SITE EROSION AND SEDIMENT CONTROL PLAN

DRAWING NO. **2.2**

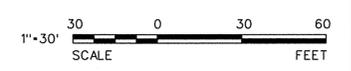
NOTES:

1. ALL CLEARING, EARTHWORK, AND SOIL PREPARATION SPECIFICATIONS TO BE PROVIDED BY THE CONSERVATION FOUNDATION AND/OR CITY ENGINEER.
2. ALL SEEDING AND PLANTING MIXES AND ASSOCIATED SPECIFICATIONS TO BE PROVIDED BY THE CONSERVATION FOUNDATION AND/OR CITY ENGINEER.
3. ALL PERFORMANCE STANDARDS CRITERIA RELATED TO PERMIT REQUIREMENTS OR OTHERWISE SHALL BE ESTABLISHED AND PROVIDED BY THE CONSERVATION FOUNDATION AND/OR CITY ENGINEER.

-  EMERGENT = 0.23 AC
-  WET PRAIRIE = 0.84 AC
-  BROAD SPECTRUM PRAIRIE = 3.11 AC
-  COBBLE = 0.34 AC



APPROVED FOR CONSTRUCTION
 City of Batavia Engineering Department
Andrea Rattay
 Name Civil Engineer Date JAN 06 2011
 Title _____



V3
 V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630.724.9200 phone
 630.724.9202 fax
 www.v3co.com

REVISIONS			
NO.	DATE	DESCRIPTION	

SEAL:

PROJECT NO.: **06013**
 FILE NAME: **PLANT_06013**
 DATE: **11/11/10**
 SCALE: **1"=30'**

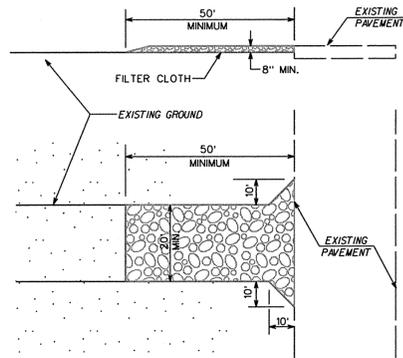
DESIGNED BY: **KDJ**
 DRAWN BY: **JMD**
 CHECKED BY: **DLM**
 PROJECT MANAGER: **KJ**

**WINDMILL LAKES UNIT 2
 DETENTION BASIN RETROFIT**

BATAVIA ILLINOIS

PLANTING PLAN

DRAWING NO.
3.1

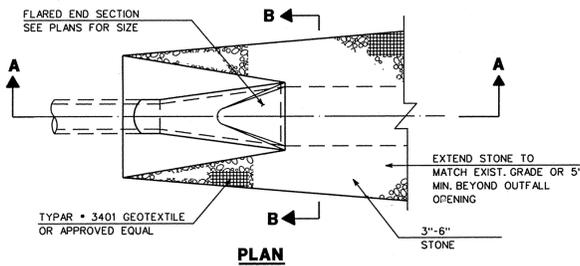


CONSTRUCTION ENTRANCE SPECIFICATIONS

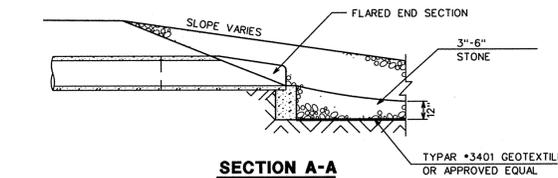
1. **STONE SIZE** - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. **THICKNESS** - NOT LESS THAN EIGHT (8) INCHES.
3. **FILTER CLOTH** - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
4. **MAINTENANCE** - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAYS MUST BE REMOVED IMMEDIATELY.
5. **WASHING** - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

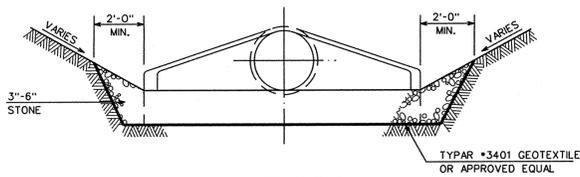
(TEMPORARY)
LOCATION TO BE DETERMINED BY CITY



PLAN

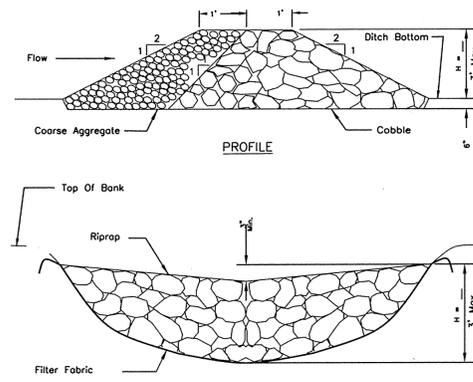


SECTION A-A



SECTION B-B

EROSION CONTROL FOR FLARED END SECTION DETAIL

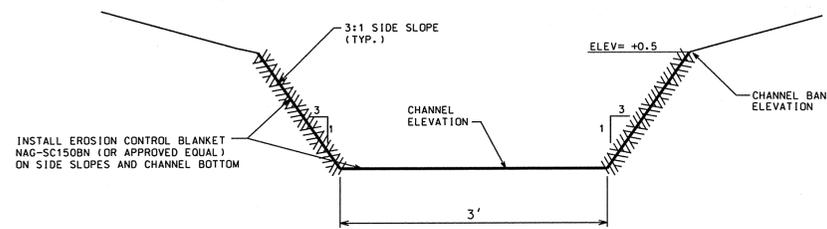


CROSS SECTION CENTERLINE LOOKING DOWNSTREAM

NOTES:

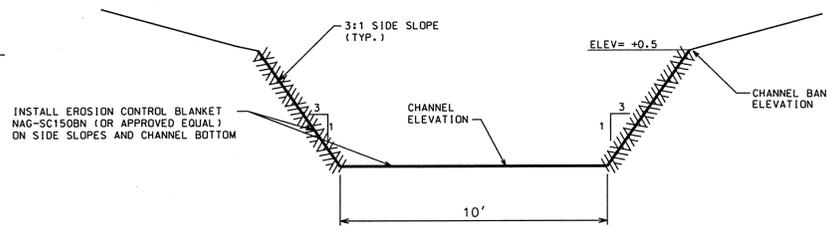
1. Filter fabric shall meet the requirements of Article 1080.03 of the IDOT Standard Specifications and shall be placed over the cleared area prior to the placement of rock check dam.
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
3. Cobble shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to Article 281.04 (a) of the IDOT Standard Specifications.
5. For added stability, the base of the dam shall be keyed 6 inches into the soil.
6. See plans for spacing of dams and H dimensions.
7. All permanent stone material shall be natural in appearance. White washed bedding material will not be permitted.

ROCK CHECK DAM



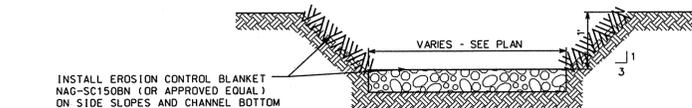
TYPICAL CHANNEL SECTION 'A'

N.T.S.



TYPICAL CHANNEL SECTION 'B'

N.T.S.

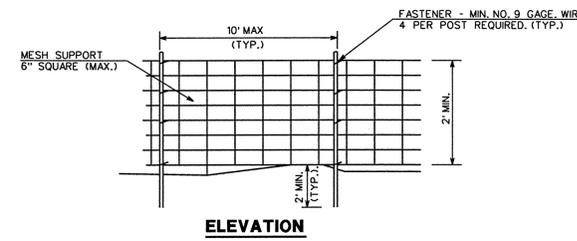


TYPICAL OVERFLOW SECTION 'X'

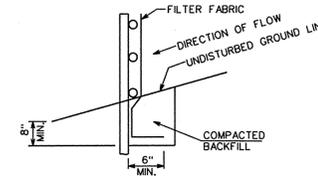
N.T.S.

NOTES:

1. PLACE FILTER FABRIC UNDER COBBLE IN ACCORDANCE WITH SECTION 282 AND ARTICLE 1080.03 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
2. COBBLE AT THE SPECIFIED GRADATION SHALL MEET THE REQUIREMENTS OF SECTIONS 281 AND 1005 OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", JANUARY 1, 2002.
3. IF COBBLE IS UNAVAILABLE, RIPRAP MAY BE SUBSTITUTED UPON APPROVAL OF THE THE CONSERVATION FOUNDATION AND/OR THE CITY.



ELEVATION

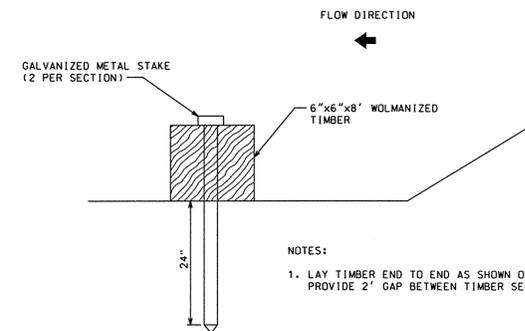


FABRIC ANCHOR DETAIL

NOTES:

1. TOP AND BOTTOM WIRES OF MESH SUPPORT SHALL BE MIN. GAGE, NO. 9.
2. INTERMEDIATE WIRES OF MESH SUPPORTS SHALL BE MIN. GAGE, NO. 11.
3. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING.
4. FILTER FABRIC SHALL MEET REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS T WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
5. FENCE POST SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM SECTIONAL AREA 3.0 SQ. IN.
6. THE MESH SUPPORT MAY BE OMITTED IF A MAXIMUM OF 5' IS USED FOR POST POST SPACING.

SILT FENCE PLAN



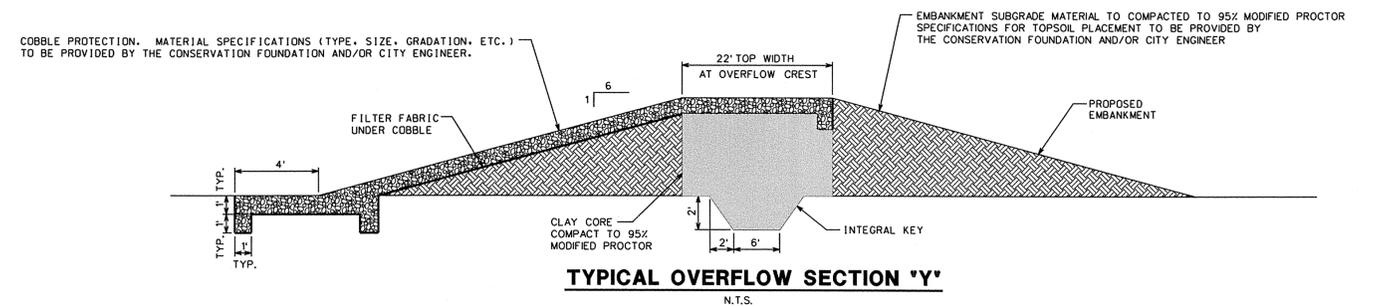
TIMBER LEVEL SPREADER

N.T.S.

NOTES:

1. LAY TIMBER END TO END AS SHOWN ON PLAN. PROVIDE 2' GAP BETWEEN TIMBER SECTIONS.

APPROVED FOR CONSTRUCTION
City of Batavia Engineering Department
Name *Andrea Rattay*
Title Civil Engineer Date JAN 06 2011



TYPICAL OVERFLOW SECTION 'Y'

N.T.S.



REVISIONS			
NO.	DATE	DESCRIPTION	

PROJECT NO.:	06013	DESIGNED BY:	SWA
FILE NAME:	DET06013	DRAWN BY:	GAW
DATE:	11/11/10	CHECKED BY:	DLM
SCALE:	NONE	PROJECT MANAGER:	KJ

WINDMILL LAKES UNIT 2 DETENTION BASIN RETROFIT
BATAVIA ILLINOIS

CONSTRUCTION DETAILS
4.1