



GRIFFITHS ENGINEERING
13 South Washington Street, Suite 1
Binghamton, New York 13903
Telephone (607) 724-2400
Fax (607) 724-2456

Designed by:	GA	Rev. #	11-12-2014
Drawn by:	DC	Project No.:	2012-116
Checked by:	GA	Plot Scale:	AS NOTED

OVERALL SITE PLAN

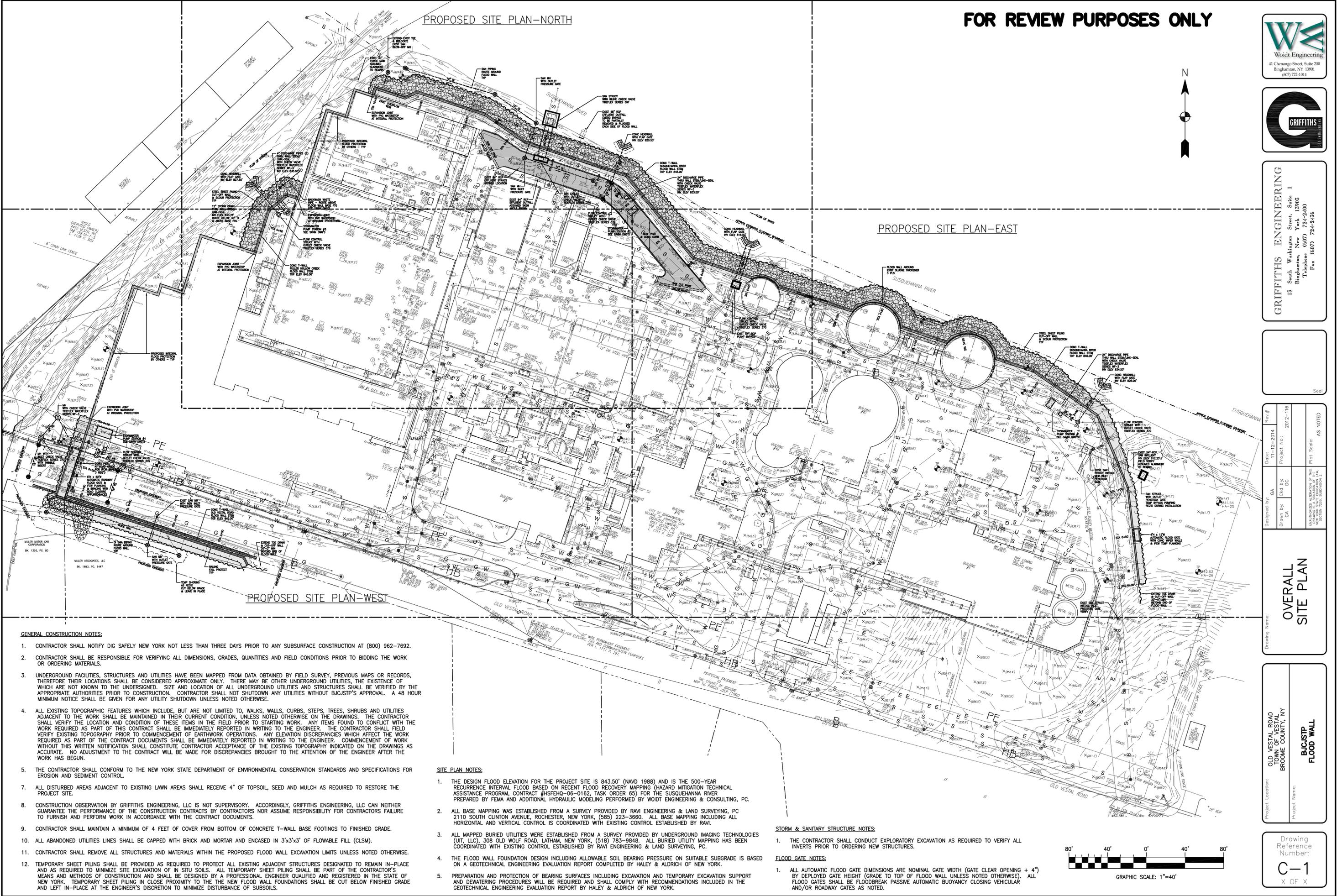
Project Location:
OLD VESTAL ROAD
TOWN OF VESTAL
BROOME COUNTY, NY

Drawing Reference Number:
C-1
X OF X

PROPOSED SITE PLAN-NORTH

PROPOSED SITE PLAN-EAST

PROPOSED SITE PLAN-WEST



GENERAL CONSTRUCTION NOTES:

- CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK NOT LESS THAN THREE DAYS PRIOR TO ANY SUBSURFACE CONSTRUCTION AT (800) 962-7692.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, GRADES, QUANTITIES AND FIELD CONDITIONS PRIOR TO BIDDING THE WORK OR ORDERING MATERIALS.
- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN MAPPED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS OR RECORDS, THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOT SHUTDOWN ANY UTILITIES WITHOUT BICJSTP'S APPROVAL. A 48 HOUR MINIMUM NOTICE SHALL BE GIVEN FOR ANY UTILITY SHUTDOWN UNLESS NOTED OTHERWISE.
- ALL EXISTING TOPOGRAPHIC FEATURES WHICH INCLUDE, BUT ARE NOT LIMITED TO, WALKS, WALLS, CURBS, STEPS, TREES, SHRUBS AND UTILITIES ADJACENT TO THE WORK SHALL BE MAINTAINED IN THEIR CURRENT CONDITION, UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF THESE ITEMS IN THE FIELD PRIOR TO STARTING WORK. ANY ITEMS FOUND TO CONFLICT WITH THE WORK REQUIRED AS PART OF THIS CONTRACT SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS. ANY ELEVATION DISCREPANCIES WHICH AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ENGINEER. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING TOPOGRAPHY INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENT TO THE CONTRACT WILL BE MADE FOR DISCREPANCIES BROUGHT TO THE ATTENTION OF THE ENGINEER AFTER THE WORK HAS BEGUN.
- THE CONTRACTOR SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- ALL DISTURBED AREAS ADJACENT TO EXISTING LAWN AREAS SHALL RECEIVE 4" OF TOPSOIL, SEED AND MULCH AS REQUIRED TO RESTORE THE PROJECT SITE.
- CONSTRUCTION OBSERVATION BY GRIFFITHS ENGINEERING, LLC IS NOT SUPERVISORY. ACCORDINGLY, GRIFFITHS ENGINEERING, LLC CAN NEITHER GUARANTEE THE PERFORMANCE OF THE CONSTRUCTION CONTRACTS BY CONTRACTORS NOR ASSUME RESPONSIBILITY FOR CONTRACTORS FAILURE TO FURNISH AND PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4 FEET OF COVER FROM BOTTOM OF CONCRETE T-WALL BASE FOOTINGS TO FINISHED GRADE.
- ALL ABANDONED UTILITIES LINES SHALL BE CAPPED WITH BRICK AND MORTAR AND ENCASED IN 3'x3'x3' OF FLOWABLE FILL (CLSM).
- CONTRACTOR SHALL REMOVE ALL STRUCTURES AND MATERIALS WITHIN THE PROPOSED FLOOD WALL EXCAVATION LIMITS UNLESS NOTED OTHERWISE.
- TEMPORARY SHEET PILING SHALL BE PROVIDED AS REQUIRED TO PROTECT ALL EXISTING ADJACENT STRUCTURES DESIGNATED TO REMAIN IN-PLACE AND AS REQUIRED TO MINIMIZE SITE EXCAVATION OF IN SITU SOILS. ALL TEMPORARY SHEET PILING SHALL BE PART OF THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION AND SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER QUALIFIED AND REGISTERED IN THE STATE OF NEW YORK. TEMPORARY SHEET PILING IN CLOSE PROXIMITY TO THE NEW FLOOD WALL FOUNDATIONS SHALL BE CUT BELOW FINISHED GRADE AND LEFT IN-PLACE AT THE ENGINEER'S DISCRETION TO MINIMIZE DISTURBANCE OF SUBSOILS.

SITE PLAN NOTES:

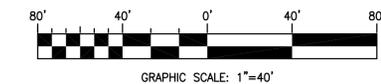
- THE DESIGN FLOOD ELEVATION FOR THE PROJECT SITE IS 843.50' (NAVD 1988) AND IS THE 500-YEAR RECURRENCE INTERVAL FLOOD BASED ON RECENT FLOOD RECOVERY MAPPING (HAZARD MITIGATION TECHNICAL ASSISTANCE PROGRAM, CONTRACT #HSFEHQ-06-0162, TASK ORDER 65) FOR THE SUSQUEHANNA RIVER PREPARED BY FEMA AND ADDITIONAL HYDRAULIC MODELING PERFORMED BY WOIDT ENGINEERING & CONSULTING, PC.
- ALL BASE MAPPING WAS ESTABLISHED FROM A SURVEY PROVIDED BY RAVI ENGINEERING & LAND SURVEYING, PC 2110 SOUTH CLINTON AVENUE, ROCHESTER, NEW YORK, (585) 223-3660. ALL BASE MAPPING INCLUDING ALL HORIZONTAL AND VERTICAL CONTROL IS COORDINATED WITH EXISTING CONTROL ESTABLISHED BY RAVI.
- ALL MAPPED BURIED UTILITIES WERE ESTABLISHED FROM A SURVEY PROVIDED BY UNDERGROUND IMAGING TECHNOLOGIES (UIT, LLC), 308 OLD WOLF ROAD, LATHAM, NEW YORK, (518) 783-9848. ALL BURIED UTILITY MAPPING HAS BEEN COORDINATED WITH EXISTING CONTROL ESTABLISHED BY RAVI ENGINEERING & LAND SURVEYING, PC.
- THE FLOOD WALL FOUNDATION DESIGN INCLUDING ALLOWABLE SOIL BEARING PRESSURE ON SUITABLE SUBGRADE IS BASED ON A GEOTECHNICAL ENGINEERING EVALUATION REPORT COMPLETED BY HALEY & ALDRICH OF NEW YORK.
- PREPARATION AND PROTECTION OF BEARING SURFACES INCLUDING EXCAVATION AND TEMPORARY EXCAVATION SUPPORT AND DEWATERING PROCEDURES WILL BE REQUIRED AND SHALL COMPLY WITH RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL ENGINEERING EVALUATION REPORT BY HALEY & ALDRICH OF NEW YORK.

STORM & SANITARY STRUCTURE NOTES:

- THE CONTRACTOR SHALL CONDUCT EXPLORATORY EXCAVATION AS REQUIRED TO VERIFY ALL INVERTS PRIOR TO ORDERING NEW STRUCTURES.

FLOOD GATE NOTES:

- ALL AUTOMATIC FLOOD GATE DIMENSIONS ARE NOMINAL GATE WIDTH (GATE CLEAR OPENING + 4") BY DEPLOYED GATE HEIGHT (GRADE TO TOP OF FLOOD WALL UNLESS NOTED OTHERWISE). ALL FLOOD GATES SHALL BE FLOODBREAK PASSIVE AUTOMATIC BUOYANCY CLOSING VEHICULAR AND/OR ROADWAY GATES AS NOTED.



GRAPHIC SCALE: 1"=40'



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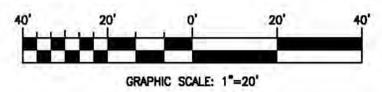
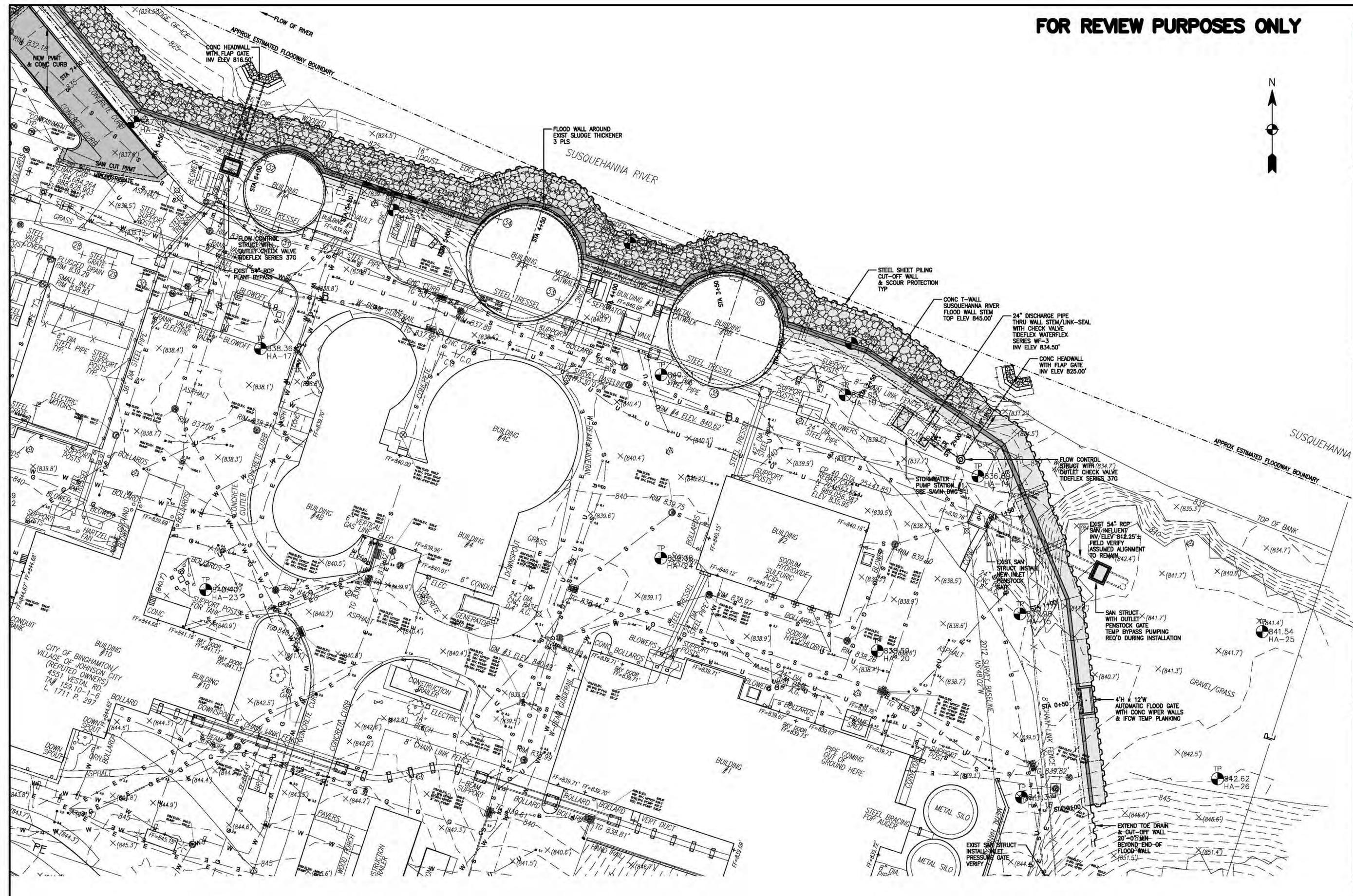
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Rev. #	11-12-2014	Project No.	2012-116
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Drawn by	GA	Plot Scale	AS NOTED

PROPOSED
SITE PLAN-EAST

Project Location:
OLD VESTAL ROAD
TOWN OF VESTAL
BROOME COUNTY, NY

Drawing Reference Number:
C-2
X OF X





GRIFFITHS ENGINEERING
13 South Washington Street, Suite 1
Binghamton, New York 19903
Telephone: (607) 724-2400
Fax: (607) 724-2456

Rev.#	Date:	11-19-2014
Project No.:	2012-116	
Designed by:	GA	
Drawn by:	DC	
Checked by:	DC	
Plot Scale:	AS NOTED	

PROPOSED
SITE PLAN-NORTH

Project Location:
OLD VESTAL ROAD
TOWN OF VESTAL
BROOME COUNTY, NY

Project Name:
BAC:STP
FLOOD WALL

Drawing Reference Number:
C-3
X OF X

