THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	ISSUE FOR:
1	7/18/2011	BID SET REVIEW
2	8/26/2011	BID SET REVIEW
3	7/31/2012	BID SET REVIEW
4	9/27/2012	BID SET REVIEW
5	11/09/2012	BID SET REVIEW
6	3/26/2013	BID SET REVIEW
7	7/08/2013	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NEW YORK STATE BUILDING CODE AS AMENDED AND ALL OTHER APPLICABLE LAWS.

2. GENERAL CONTRACTOR SHALL COORDINATE WORK WITH THE ENGINEERS OF THE KINGSTON SEWAGE TREATMENT PLANT, REFERRED TO HEREWITHIN AS "PLANT ENGINEERS". "PLANT OPERATORS" SHALL ALSO INDICATE "PLANT ENGINEERS".

3. ALL WORK SHALL CONFORM TO KINGSTON FIRE DEPARTMENT REGULATIONS. ALL WORK SHALL BE DONE AS PER UTILITY COMPANY REQUIREMENTS WHERE APPLICABLE. GENERAL CONTRACTOR SHALL COORDINATE WITH ELECTRIC COMPANY AS NEEDED.

4. ALL CONTRACTORS AND THEIR SUBCONTRACTORS SHALL CARRY INSURANCE TO PROTECT THE CITY OF KINGSTON FROM CLAIMS FOR PROPERTY DAMAGE, AUTOMOBILE LIABILITY, WORKMEN'S COMPENSATION OR PERSONAL INJURIES, INCLUDING DEATH, WHICH MAY ARISE IN CONNECTION WITH THIS PROJECT. INSURANCE POLICIES SHALL MEET OR EXCEED AMOUNTS SPECIFIED BY LOCAL BUILDING DEPARTMENT AND BY THE PLANT'S GOVERNING AGENCY.

5. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED INSURANCE CERTIFICATES WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES REQUIRED BY THE GOVERNING LOCAL AGENCIES.

6. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY FOR THE PROPER COMPLETION OF THE WORK.

7. ALL WORK SHALL BE DONE AS PER THE BEST TRADE PRACTICES. ALL WORK SHALL BE DONE WITH MATERIALS THAT ARE FREE FROM DEFECTS.

8. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLAN AT THE JOB SITE BEFORE COMMENCING ANY WORK.

9. DRAWINGS ARE NOT TO BE SCALED, DIMENSIONS SHALL GOVERN. CONTACT ARCHITECT FOR CLARIFICATIONS ON DISCREPANCIES OR OMISSIONS.

10. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE STIPULATIONS OF LOCAL AUTHORITIES AND THE PLANT ENGINEERS.

11. THE CONTRACTOR SHALL COORDINATE WITH PLANT ENGINEERS REGARDING DELIVERIES AND REMOVALS. CONTRACTORS SHALL NOT BLOCK DRIVEWAYS AND WORK AREAS WITHOUT WRITTEN CONSENT FROM THE PLANT ENGINEERS.

12. CONTRACTOR SHALL COORDINATE REMOVAL OF ALL DEMOLISHED MATERIAL AND DEBRIS FROM THE CONSTRUCTION SITE. DISCARD MATERIALS AS PER ALL APPLICABLE LAWS AND REGULATIONS. CONTRACTOR SHALL RECYCLE WHERE FEASIBLE. CONTRACTOR SHALL COORDINATE REMEDIATION OF ALL HAZARDOUS MATERIALS AS PER ALL LAWS AND REGULATIONS.

13. CONTRACTOR MUST SECURE SITE TO PREVENT ACCIDENTAL TRESPASS DURING AND AFTER JOBSITE HOURS.

14. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT REQUIRED FOR PROPER CONSTRUCTION AS PER BEST TRADE PRACTICES OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.

15. THE GENERAL CONTRACTOR'S PRICE IS TO BE THOROUGHLY COMPLETE INCLUDING TAXES, OVERTIME, SHIPPING, ETC...

16. ALL OVERTIME NECESSARY TO EFFECT THE WORK OR MEET ESTABLISHED COMPLETION DATE MUST BE INCLUDED IN THE BID PRICE. SUCH OVERTIME SHALL INCLUDE BUT NOT NECESSARILY BE LIMITED TO:
A. CONNECTIONS TO EXISTING UTILITIES AND SYSTEMS SERVING THE SEWAGE TREATMENT PLANT THAT MUST REMAIN IN OPERATION DURING CERTAIN HOURS OR CERTAIN DAYS OF THE WEEK. COORDINATE AND SHUT DOWNS AS NEEDED WITH PLANT ENGINEERS.
B. ANY WORK IN OCCUPIED AREAS OF THE BUILDINGS.
C. ANY OTHER OVERTIME WORK REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK IN OCCUPIED SPACES WITHOUT DISTURBING OPERATORS AND ENGINEERS DURING WORKING HOURS.

17. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ARCHITECTURAL DIMENSIONS AND CONDITIONS AND SHALL VERIFY ITEMS NOTED AS "MATCH EXISTING" AND "V.I.F." PRIOR TO SUBMITTING BIDS. NOTIFY OF ANY DISCREPANCIES PRIOR TO SUBMITTING BIDS.

18. THE GENERAL CONTRACTOR, HIS SUBCONTRACTORS AND ANY OTHER CONTRACTOR INVOLVED IN THIS PROJECT SHALL TAKE NOTE THAT ANY COST CAUSED BY DEFECTIVE OR ILL-TIMED WORK, AS A RESULT OF, BUT NOT LIMITED TO, INFERIOR WORKMANSHIP OR MATERIALS, IMPROPER SCHEDULING OR DELINQUENT ORDERS SHALL BE BORNE BY THE PARTY RESPONSIBLE THEREOF.

19. THE GENERAL CONTRACTOR SHALL FIELD SURVEY ALL EXISTING JOB CONDITIONS AND NOTE ALL CHARACTERISTICS AND IRREGULARITIES AFFECTING THE CORRECT EXECUTION OF THE THE WORK PRIOR TO SUBMITTING BIDS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPORT ALL DISCREPANCIES, OMISSIONS, AND IRREGULARITIES THAT WOULD COMPROMISE THE ORIGINAL DESIGN INTENT AND WOULD INTERFERE WITH CORRECT COMPLETION OF WORK. CONTRACTOR TO COORDINATE THOSE ITEMS AND BRING THEM TO THE ATTENTION OF THE ARCHITECT OR ENGINEER UPON DISCOVERY FOR CLARIFICATION AND RESOLUTION PRIOR TO PROCEEDING WITH FABRICATION AND INSTALLATION.

20. CONTRACTOR SHALL CONTACT ENGINEERS AND ARCHITECT AS NEEDED TO SCHEDULE AND REQUIRED CONTROL INSPECTIONS. CONTRACTORS SHALL PROVIDE AT LEAST 48 HOURS NOTICE FOR INSPECTIONS.

21. THE CONTRACTOR MUST EMPLOY A COMPETENT, FULL-TIME SUPERINTENDENT AND NECESSARY ASSISTANTS WHO SHALL BE IN ATTENDANCE AT WORK SITE AT ALL TIMES WHILE WORK IS IN PROGRESS, AND WITH WHOM THE PLANT ENGINEERS CAN DISCUSS ANY WORK PROBLEM. IN ADDITION, THE PLANT ENGINEERS AND ARCHITECT SHALL BE GIVEN AN EMERGENCY NUMBER FOR THE CONTRACTOR SHOULD THERE BE AN URGENT REASON TO REACH THE CONTRACTOR.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES INCLUDING THOSE PROVIDED OR DIRECTED BY THE GOVERNING AGENCIES, WITH CONTINUOUS AND EFFICIENT SUPERVISION. THE CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THAT OF OTHERS TO ASSURE THAT ALL SCHEDULES ARE MET. A JOB SCHEDULE IS TO BE SUBMITTED TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.

23. THE CONTRACTOR IS TO SUBMIT A COMPLETE, UPDATED CONSTRUCTION SCHEDULE TO THE ARCHITECT MONTHLY, OR AS OFTEN AS IS REQUIRED.

24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS, FIXTURE CUTS, SCHEDULES AND SPECIFIED SAMPLES, FINISHES, COLORS, TEXTURES AND MATERIALS IN TRIPLICATE FOR ARCHITECTS' WRITTEN APPROVAL PRIOR TO COMMENCEMENT OF WORK BY ALL. THE GENERAL CONTRACTOR MUST REVIEW AND COORDINATE ALL WORK ON SHOP DRAWINGS PRIOR TO SUBMITTAL. ARCHITECT AND ENGINEERS SHALL REVIEW SHOP DRAWINGS WITH REASONABLE PROMPTNESS AND WILL RETURN THEM TO THE CONTRACTOR WITH HIS STAMP APPLIED THERETO. NOTATIONS BY THE ARCHITECT AND ENGINEER WHICH INCREASE THE CONTRACT COST OR TIME COMPLETION SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK. EACH SUBMITTAL WILL BE STAMPED INDICATING THE APPROPRIATE ACTION. ALL SHOP DRAWINGS AND CUTS MARKED "APPROVED" SHALL SUPERSEDE THE ORIGINAL DRAWINGS. THE ARCHITECT'S REVIEW SHALL NOT BE CONSTRUED AS AN INDICATION THAT SUBMITTALS ARE CORRECT OR SUITABLE NOR THAT WORK REPRESENTED BY SUBMITTAL COMPLIES WITH THE CONTRACT DOCUMENTS, EXCEPT AS TO MATTERS OF FINISH, COLOR AND OTHER AESTHETIC ISSUES LEFT TO THE ARCHITECT'S DECISION BY THE CONTRACT DOCUMENTS.

25. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROPERLY LAYING OUT THE WORK AND FOR LINES AND MEASUREMENTS FOR THE WORK. CONTRACTOR SHALL PROVIDE DIMENSIONS RELATIVE TO THE LAYOUT AND BENCHMARKS AS REQUIRED FOR OTHER TRADES INCLUDING BUT NOT LIMITED TO: STRUCTURAL ERECTION, PLUMBING, ELECTRICAL.

26. THE GENERAL CONTRACTOR IS TO ESTABLISH NECESSARY REFERENCE LINES AND PERMANENT BENCH MARKS, BUILDING LINES AND ELEVATIONS AND LAY OUT THE WORK. ESTABLISH NOT LESS THAN TWO SUCH BENCH MARKS IN WIDELY SEPARATED LOCATIONS.

27. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL DO ALL CUTTING, FITTING AND PATCHING WORK THAT MAY BE REQUIRED TO MAKE ALL PARTS COME TOGETHER PROPERLY AND FIT TO RECEIVE OR BE RECEIVED BY WORK OF OTHER CONTRACTORS ON OR REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS.

28. THE CARE OF THE WORK SHALL REST ON THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR LOSS OR DAMAGE TO THE BUILDING AND/OR STORED MATERIALS.

29. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN AND PROTECT ALL EXISTING AND NEW WORK WITHIN OR ADJACENT TO THE PROPERTY AND, IN THE EVENT OF DAMAGE, REPAIR OR REPLACE SAME. CLEANING MUST BE CONTROLLED TO PREVENT DIRT AND DUST FROM INFILTRATING INTO ADJACENT PREMISES OR SENSITIVE MECHANICAL AREAS.

30. ALL NEW MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S LATEST PRINTED OR PUBLISHED SPECIFICATIONS AND WITHIN CODE REQUIREMENTS.

31. CONTRACTOR SHALL NOT LOAD OR PERMIT LOADING ON ANY PART OF THE BUILDINGS INCLUDING EXISTING FLOORS AND FACILITIES WITH MATERIALS, EQUIPMENT AND DEBRIS WITH A WEIGHT THAT WILL ENDANGER SAFETY.

32. ELECTRICAL WORK SHALL BE PERFORMED BY LICENSED ELECTRICIANS WHO SHALL ARRANGE FOR ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN-OFFS.

33. AT THE END OF THE PROJECT THE ELECTRICIAN SHALL FURNISH A TYPED, PRINTED LIST OF CIRCUITS AT EACH NEW CIRCUIT PANEL. ELECTRICIAN SHALL PROVIDE ELECTRICAL DIAGRAMS TO THE PLANT ENGINEERS.

34. PROVIDE ARCHITECT, ENGINEERS AND PLANT ENGINEERS ACCESS TO THE WORK AT ALL TIMES.

35. CIRCUIT BREAKERS AND CIRCUIT BREAKER PANELS, GAS METERS, TELEPHONE BOXES AND PLUMBING VALVES MUST BE EASILY ACCESSIBLE. INDIVIDUAL CIRCUIT BREAKERS SHALL BE LABELED AS TO WHICH LIGHTS THEY CONTROL.

36. WHERE THE TERMS APPROVED EQUAL, EQUAL TO OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES AND DRAWINGS, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND DECISION OF THE ARCHITECT AND ENGINEERS.

37. GENERAL CONTRACTOR SHALL CORRECT ANY WORK REJECTED BY THE ARCHITECT OR ENGINEERS, WHETHER OBSERVED BEFORE OR AFTER SUBSTANTIAL COMPLETION. REMOVE FROM THE SITE PORTIONS OF THE WORK WHICH ARE NOT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR REJECTED BY THE ARCHITECTS OR ENGINEERS.

38. IF THE CONTRACTOR FAILS TO CLEAN UP AS PROVIDED IN THE CONTRACT DOCUMENTS, THE OWNER MAY DO SO AND THE COST THEREOF SHALL BE CHARGED TO THE CONTRACTOR WHO SHALL PAY SUCH COSTS EITHER AS A DEDUCTIVE CHANGE ORDER OR IMMEDIATELY UPON DEMAND, AT THE ELECTION OF THE CLIENT.

39. UPON COMPLETION OF THE WORK, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT WHO WILL THEN COMPILE A "PUNCH LIST" OF CORRECTIONS AND UNSATISFACTORY OR INCOMPLETE WORK. FINAL PAYMENT SHALL BE CONTINGENT UPON THE COMPLETION OF THESE PUNCH LIST ITEMS.

40. THE PLANT ENGINEER HAS THE AUTHORITY TO ORDER WORK SUSPENDED, IN PART OR ENTIRELY, IF HE HAS REASON TO BELIEVE THAT ANY ASPECT OF THE WORK IS UNAUTHORIZED OR UNSAFE. THE SUSPENSION SHALL CONTINUE UNTIL ALL RESPONSIBLE PARTIES CAN AGREE TO AN ACCEPTABLE SOLUTION.

1 / G100 LOCATION MAP
NOT TO SCALE

DEMOLITION NOTES

1. ALL WORK SHALL BE DONE AS PER ALL APPLICABLE CODES INCLUDING REGULATIONS SET BY THE LOCAL BUILDING DEPARTMENT AND REGULATIONS SET BY THE LOCAL FIRE DEPARTMENT.

2. NO CUTTING OR CHANNELING OF BUILDING STRUCTURE, INCLUDING COLUMNS, GIRDERS, SPANDRELS, BEAMS, ROOF FRAMING, FLOOR FRAMING AND FOUNDATIONS EXCEPT AS SPECIFIED IN SIGNED AND SEALED STRUCTURAL DRAWINGS.

3. PROVIDE ALL NECESSARY SHORING AND BRACING AS NEEDED. CONTRACTOR SHALL COORDINATE SHORING AND BRACING AS NEEDED TO ALLOW CONTRACTORS IN ALL TRADES TO WORK WITHOUT COMPROMISING THE STRUCTURAL STABILITY AND SAFETY.

4. PROVIDE TEMPORARY FALL PROTECTION GUARDS AS NEEDED TO ENSURE SAFETY OF ALL WORKERS.

5. WORK SHALL BE DONE AS PER OSHA GUIDELINES FOR SAFE CONSTRUCTION.

6. CEASE WORK IF STRUCTURAL STABILITY OF STRUCTURES BECOMES ENDANGERED AND NOTIFY ARCHITECT AND STRUCTURAL ENGINEER IMMEDIATELY. PERFORM TEMPORARY CORRECTIVE MEASURES UNTIL SITUATION CAN BE OBSERVED AND EVALUATED BY THE ENGINEER OR ARCHITECT.

7. CEASE WORK AND NOTIFY ARCHITECT IF SUSPECTED HAZARDOUS MATERIALS ARE DISCOVERED AT THE JOB SITE.

8. PRIOR TO DEMOLITION WORK, CONTRACTORS SHALL PROBE WALLS, FLOOR ASSEMBLIES. CEILINGS, SOFFITS AND ROOF ASSEMBLIES AT DEMOLITION WORK AREAS TO LOCATE, IDENTIFY AND MARK ALL COMMON RISERS, COMMON DRAINS, VENTS, VENTILATION SHAFTS, MAINS, AND ANY SERVICES TO REMAIN. CONTRACTOR SHALL PROTECT SUCH SERVICES FROM DAMAGE THROUGHOUT DEMOLITION AND CONSTRUCTION.

9. THERE IS EXTENSIVE UNDERGROUND PIPING AT THIS JOB SITE. PRIOR TO EXCAVATION WORK AT ALL LOCATIONS, CONTRACTOR SHALL ARRANGE TO HAVE THE GROUND PROBED AND FLAGGED FOR PIPES. EXCAVATION WORK IN THE VICINITY OF UNDERGROUND PIPES SHALL BE DONE BY HAND. CONTRACTORS SHALL TAKE EXTREME CAUTION WHEN USING MECHANICAL EXCAVATION OR GRADING EQUIPMENT AT THIS SITE.

9. ALL WORK SHALL BE DONE IN A TIDY MANNER, MINIMIZE DUST AND DEBRIS ONSITE.

10 CONTRACTORS SHALL PROVIDE TEMPORARY LIGHTING AT WORK AREAS DURING CONSTRUCTION AS NEEDED.

11. EGRESS DOORS, CORRIDORS AND STAIRS FROM BUILDINGS AND OUTDOOR SERVICE AREAS SHALL BE KEPT FREE FROM OBSTRUCTIONS AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION.

CONSTRUCTION NOTES

1. INSTALL ALL WORK PLUMB, LEVEL, TRUE, SQUARE AND STRAIGHT AND IN PROPER ALIGNMENT WITH NO DISTORTIONS. PROVIDE SHIMS AS REQUIRED.

2. ALL WORK AND MATERIALS SHALL BE GUARANTEED AGAINST DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR OF APPROVAL OF PAYMENT.

3. THE WORK AREA IS CONSIDERED A CORROSIVE ENVIRONMENT. CONTRACTORS SHALL USE MARINE-GRADE MATERIALS OR BETTER. MATERIALS SHALL BE PRE-CUT AND PRE-FINISHED WHENEVER POSSIBLE. FIELD CUTS SHALL BE TREATED AS NEEDED TO MINIMIZE CORROSION.

4. UNLESS NOTED OTHERWISE, STEEL SHALL BE GALVANIZED, SHOP APPLIED POWDER COATED OR STAINLESS STEEL. REFER TO STRUCTURAL NOTES AND SPECIFICATIONS.

5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY LIGHTING AND POWER FOR ALL TRADES, AS REQUIRED.

6. CONTRACTORS SHALL SUBMIT SHOP DRAWINGS AND SAMPLES IN TRIPLICATE FOR REVIEW AND APPROVAL BY THE ARCHITECT AND ENGINEER FOR STEEL SCREEN PANELS.

7. CONTRACTORS SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ARCHITECT FOR ELECTRICAL CONDUIT L.OCATIONS AND MOUNTING DETAILS.

ENERGY ANALYSIS

CODE: ECCCNYS 2010
CLIMATE ZONE: 4

WORK ITEMS	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE AND CITATION
ENVELOPE, WINDOWS, EXTERIOR DOORS, STOREFRONT AND BASEMENT	NO CHANGE TO BUILDING ENVELOPE	NOT APPLICABLE
INTERIOR PARTITIONS BETWEEN CONDITIONED CORRIDOR & CONDITIONED UNIT	NOT APPLICABLE. NO INTERIOR WORK	NOT APPLICABLE
PIPING INSULATIONS	NO CHANGE TO PIPING INSULATIONS	NOT APPLICABLE
INTERIOR LIGHTING	NO CHANGE TO INTERIOR LIGHTING.	NOT APPLICABLE
EXTERIOR LIGHTING		
BOILERS / HEATING FURNACES	NO CHANGE TO BOILERS OR FURNACES	NOT APPLICABLE
HVAC SYSTEM	NO CHANGE TO EXISTING HVAC SYSTEM	NOT APPLICABLE
OTHER	NO OTHER ENERGY CODE RELATED WORK	

ENERGY CODE STATEMENT

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THIS APPLICATION IS IN COMPLIANCE WITH THE ECCCNYS 2010

LIST OF ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AVG	AVERAGE
BTW	BETWEEN
BOT	BOTTOM
C.H.	CEILING HEIGHT
CANT L.E.	CANTILEVERED, LEFT END
CANT R.E.	CANTILEVERED, RIGHT END
CONC.	CONCRETE
DIA.	DIAMETER
DR.	DOOR
DW	DISHWASHER
EA.	EACH
EL.	ELEVATION
EXST.	EXISTING
F.J.	FLOOR JOISTS
F.D.	FLOOR DRAIN
GALV.	GALVANIZED
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GYP. BD.	GYPSUM BOARD
G.W.B.	GYPSUM WALL BOARD
HDR	HEADER
H.P.	HIGH POINT (ROOF)
L.P.	LOW POINT (ROOF)
MTL.	METAL
P.T.	PRESSURE TREATED (WOLMANIZED)
O.C.	ON CENTER
O.H.	OVERHANG
P-LAM	PLASTIC LAMINATE
PTD.	PAINTED
R.D.	ROOF DRAIN
SF	SQUARE FEET
SIM.	SIMILAR
SPECS	SPECIFICATIONS
STL.	STEEL
TEMP. GL.	TEMPERED GLASS
TYP.	TYPICAL
T&G	TONGUE AND GROOVE
V.I.F.	VERIFY IN FIELD
V.T.R.	VENT THROUGH ROOF
W/D	WASHER DRYER (LAUNDRY)
W/	WITH
WD	WOOD

SHEET INDEX

NO.
01 G100 LOCATION MAP, NOTES
02 G101 SURVEY
03 DM101 DEMOLITION PLAN - WEST END
04 DM102 DEMOLITION PLAN - MIDDLE PART OF SITE
05 DM103 DEMOLITION PLAN - EAST END

06 A101 PARTIAL SITE PLAN & ELEVATION - WEST END
07 A102 PARTIAL SITE PLAN & ELEVATION - MIDDLE PART OF SITE
08 A103 PARTIAL SITE PLAN & ELEVATION - EAST END
09 A104 PARTIAL SITE PLAN & ELEVATION - MIDDLE PART OF SITE (BID ALTERNATIVE VERSION)

10 A301 ELEVATIONS - ENTRANCE SCREEN AND GATE
11 A302 SECTIONS & DETAILS - FENCES & GREEN SCREEN
12 A303 SECTIONS & DETAILS - SCREENS

13 A501 PLAN DETAILS - SCREEN AT BAR RACK BLDG.
14 A502 SECTIONS & DETAILS - SCREEN AT BAR RACK BLDG.
15 A503 DETAILS - SCREEN AT BAR RACK BLDG.

16 S100 STRUCTURAL NOTES
17 S101 STRUCTURAL PLAN - ENTRANCE SCREEN AND GREEN SCREEN
18 S102 STRUCTURAL PLAN - GREEN SCREEN AND CONTROL BUILDING SCREEN
19 S103 STRUCTURAL PLAN - SCREEN AT SECONDARY TANKS
20 S200 STRUCTURAL DETAILS
21 S201 STRUCTURAL DETAILS
22 S202 STRUCTURAL DETAILS

23 L100 PLANT REMOVALS PLAN
24 L101 PLANTING PLAN
25 L102 PLANTING PLAN
26 L103 PLANTING PLAN
27 L104 PLANTING PLAN
28 L500 PLANTING DETAILS

29 E101 LIGHTING PLAN
30 E102 LIGHTING PLAN
31 E501 LIGHTING SPECIFICATIONS AND DETAILS
32 E502 LIGHTING SPECIFICATIONS AND DETAILS
33 E503 LIGHTING SPECIFICATIONS AND DETAILS
34 E504 LIGHTING SPECIFICATIONS AND DETAILS
35 E505 LIGHTING SPECIFICATIONS AND DETAILS

BID COMPONENTS NARRATIVE:

1. **BASE BID:** ALL WORK IN THE PLAN SET LABELED AS BASE BID ON SHEETS A101, A102 AND A104 INCLUDING:
   - THE CURVED CORNER SCREEN AT THE BAR RACK BUILDING (SEE SHEET A301 AND OTHERS) AND
   - THE GREEN SCREEN TRELLIS AT THE PRIMARY SETTLING TANKS AND UV DISINFECTANT EQPT. (SEE SHEET A101 RIGHT SIDE, A102 LEFT SIDE AND DETAILS 7-11 ON A302 AND OTHERS) AND
   - ALL LANDSCAPING, FENCING AND LIGHTING WORK FROM THE WEST ENTRANCE AND BAR RACK BUILDING TO THE DIGESTER TANK AND INCLUDING THE YARD IN FRONT OF THE DIGESTER TANK (SEE SHEET A101 & LEFT HALF OF SHEET A102 AND OTHERS)
2. **BID ADDITION 1:** ALL WORK IN THE PLAN SET LABELED AS BID ADDITION 1 INCLUDING:
   - THE STEEL SCREEN, LANDSCAPING, FENCING AND LIGHTING WORK IN FRONT OF THE ADMINISTRATIVE BUILDING (SEE SHEETS A102 AND A103).
3. **BID ADDITION 2:** ALL THE WORK SHOWN ON SHEET A103 LABELED AS BID ADDITION 2.
4. **BID ALTERNATE (1):** THE BID ALTERNATE SHALL BE THE BASE BID PLUS THE WORK LABELED AS BID ALTERNATE 1 SHOWN ON SHEET A104 WHICH DESCRIBES REPEATING THE DETAILS OF THE GREEN SCREEN TRELLIS IN FRONT OF THE ADMIN BUILDING. BID ADDITION 1 AND BID ADDITION 2 ARE EXCLUDED FROM BID ALTERNATE (1)

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

SEAL AND SIGNATURE

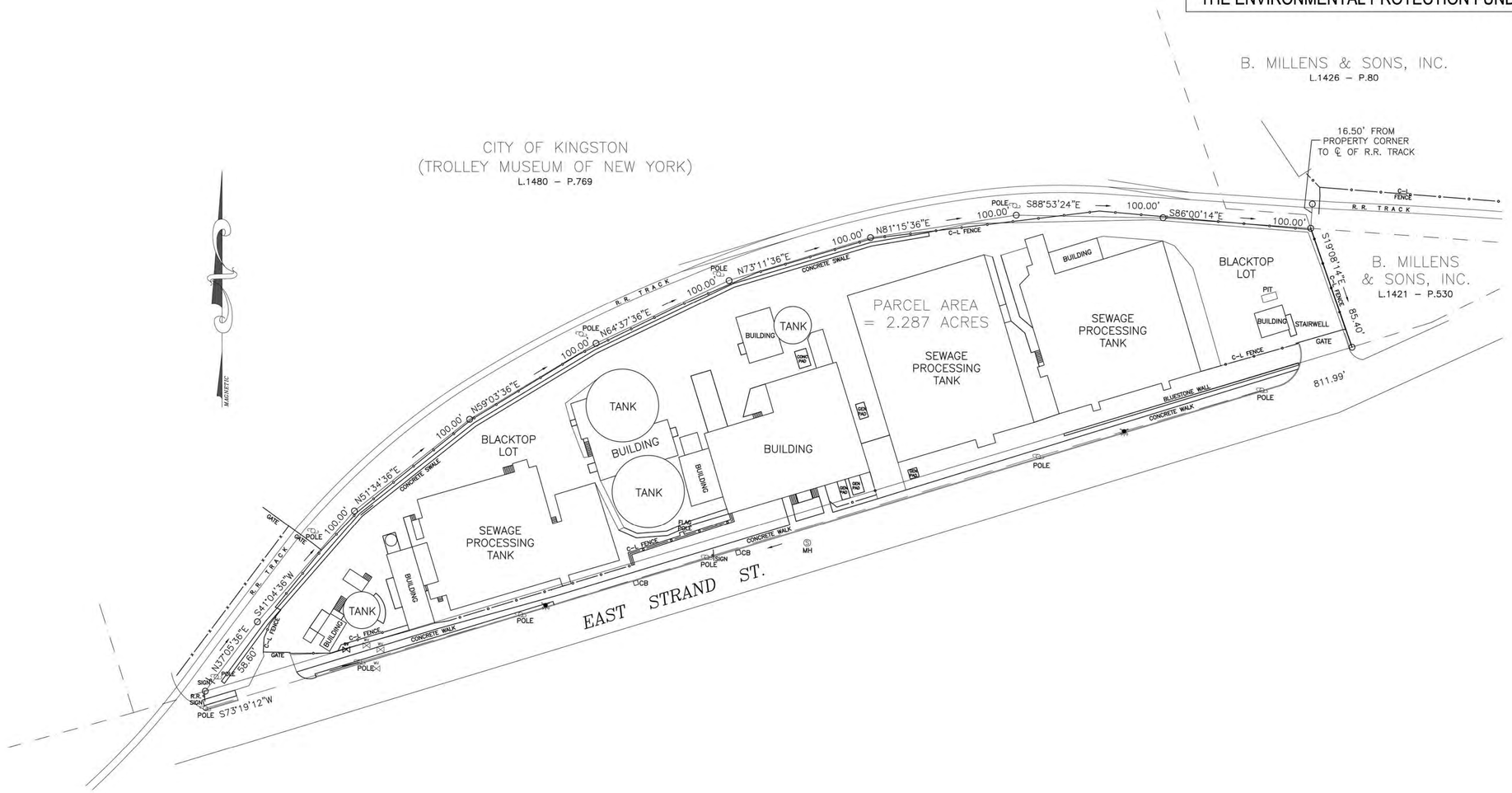
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PLOT PLAN, PROJECT DATA, ZONING DATA, AND SCHEDULES AND NOTES

SCALE AS NOTED

G-100.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



MAP REFERENCES:
1) "MAP SHOWING LANDS TO BE ACQUIRED BY THE CITY OF KINGSTON FROM THE NEW YORK CENTRAL R.R. CO.," DATED SEPTEMBER 27, 1940.
2) "MAP SHOWING A PARCEL OF LAND TO BE CONVEYED BY THE NEWARK LIME AND CEMENT MANUFACTURING COMPANY TO THE KINGSTON OIL COMPANY, INC.," SURVEYED JUNE 1927.

Copyright 2009. Brinnier & Larios, P.C. All Rights Reserved.

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

This map may not be used in connection with a "Survey Affidavit" or similar document, statement or mechanism to obtain title insurance for any subsequent owner or future grantees.

Only copies from the original of this survey marked with an original of the surveyor's seal shall be considered valid true copies.

The location of underground improvements or encroachments, if any exist or are shown hereon, are not certified.

Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveyor's adopted by the New York State Association of Professional Land Surveyor's, Inc. Said certifications shall run only to the person for whom the survey is prepared and on his behalf to the title company, governmental agency and lending institution listed hereon and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.

TAX MAP REFERENCE
City of Kingston, Section No. 56.043
Block 6, Lots 8

DEED REFERENCES
Liber 615 of Deeds at Page 534

CERTIFICATION
I hereby certify this survey to:
1. The City of Kingston

Christopher J. Zell, P.L.S.
N.Y.S. License No. 49629

LICENSED LAND SURVEYOR
CHRISTOPHER J. ZELL
49629
STATE OF NEW YORK

BRINNIER & LARIOS, P. C.

40 0 40
GRAPHIC SCALE IN FEET

MAP
OF LANDS OF
THE CITY OF KINGSTON (SEWAGE TREATMENT FACILITY)
EAST STRAND STREET
CITY OF KINGSTON ULSTER COUNTY NEW YORK
JUNE 11, 2009 SCALE: 1" = 40'

No.	DATE	ISSUE FOR
1	7/10/2011	BID SET REVIEW
2	8/05/2011	BID SET REVIEW
3	7/30/2012	BID SET REVIEW
4	8/27/2012	BID SET REVIEW
5	11/06/2012	BID SET REVIEW
6	3/20/2013	BID SET REVIEW
7	7/08/2013	BID

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

SEAL AND SIGNATURE

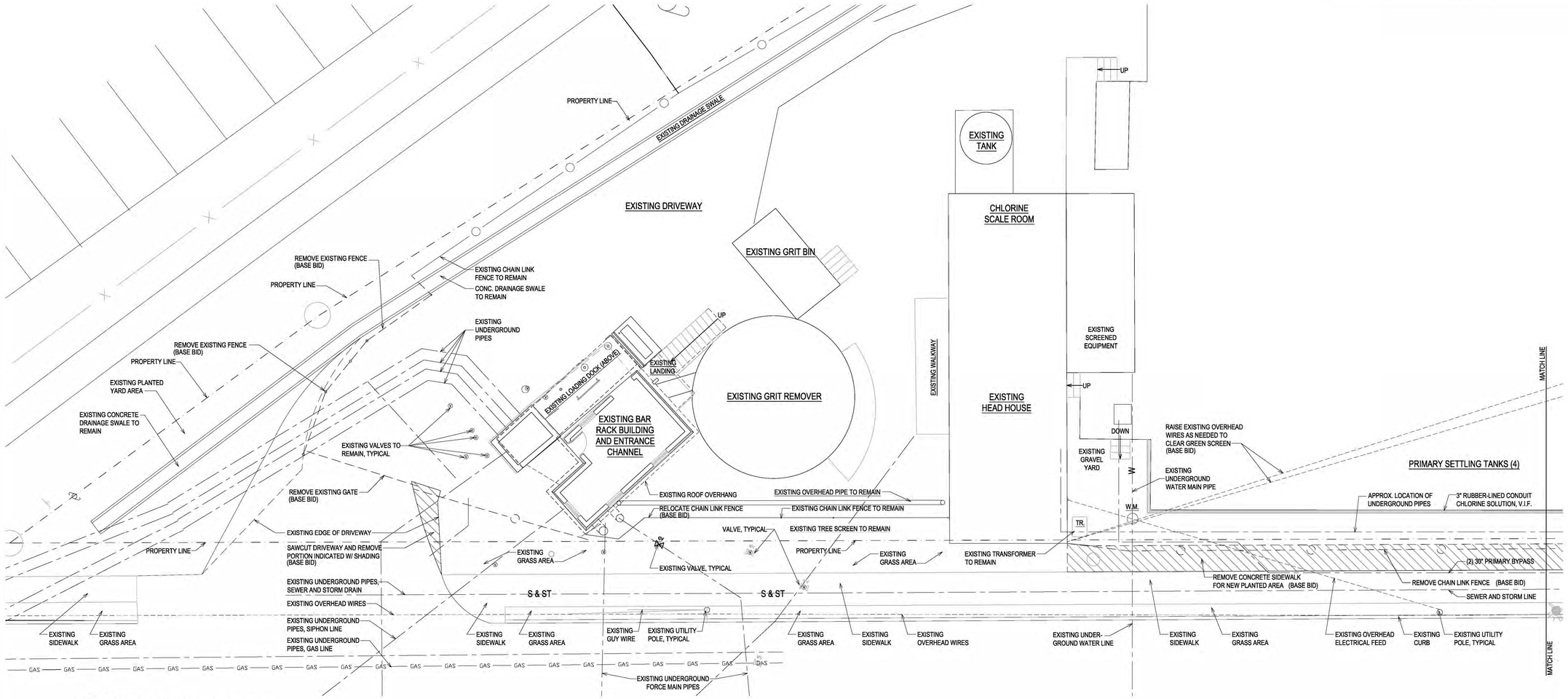
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

SITE SURVEY AND KEY PLAN

SCALE AS NOTED

G-101.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 DM101 DEMOLITION PLAN – WEST END
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	7/10/2011	BID SET REVIEW
2	8/26/2011	BID SET REVIEW
3	10/31/2011	BID SET REVIEW
4	8/27/2012	BID SET REVIEW
5	11/08/2012	BID SET REVIEW
6	2/26/2013	BID SET REVIEW
7	10/08/2013	BID

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

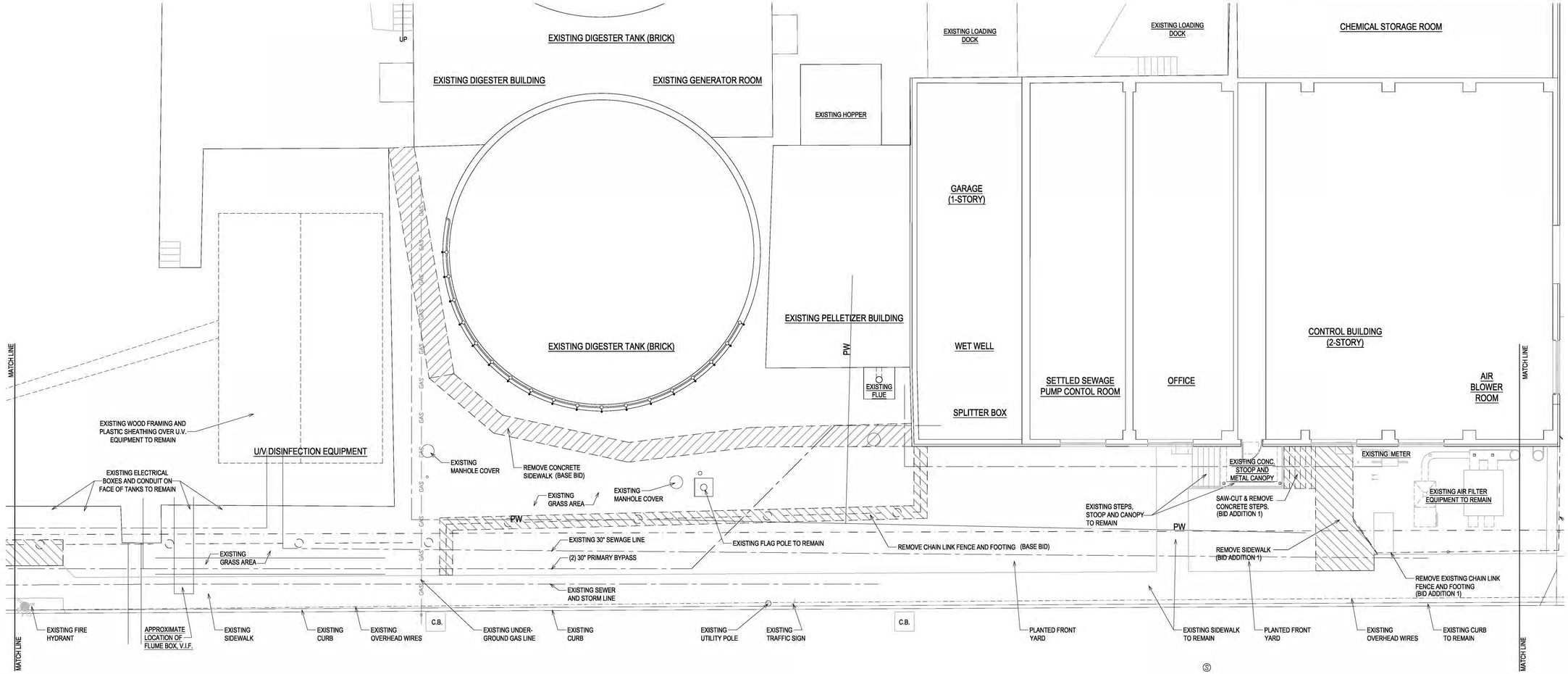
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

DEMOLITION PLAN - WEST END

SCALE AS NOTED

DM-101.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 DM102 DEMOLITION PLAN – MIDDLE PART OF SITE
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	7/10/2011	BID SET REVIEW
2	10/26/2011	BID SET REVIEW
3	11/15/2012	BID SET REVIEW
4	8/27/2012	BID SET REVIEW
5	11/06/2012	BID SET REVIEW
6	2/28/2013	BID SET REVIEW
7	10/30/2013	BID

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

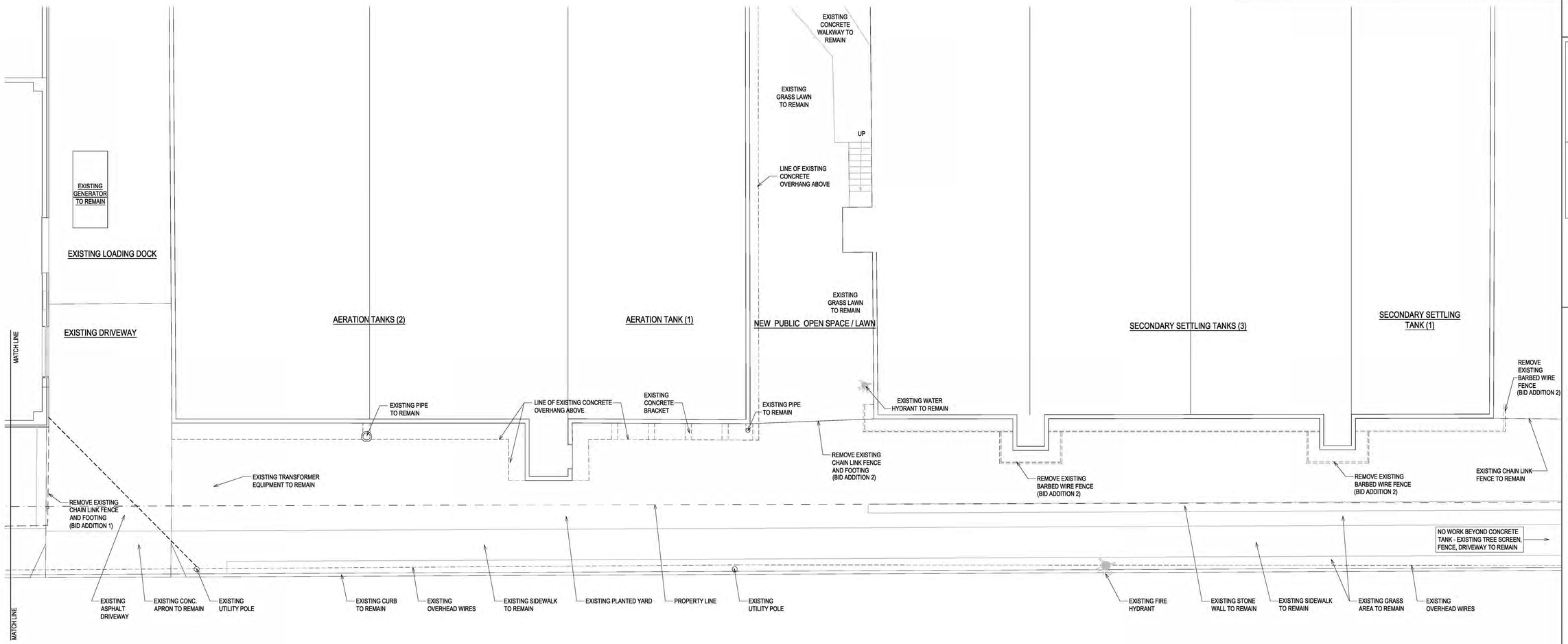
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

DEMOLITION PLAN - MIDDLE PART OF SITE

SCALE AS NOTED

DM-102.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 DM103 DEMOLITION PLAN – EAST END
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	7/16/2011	BID SET REVIEW
2	8/26/2011	BID SET REVIEW
3	10/10/2012	BID SET REVIEW
4	8/27/2012	BID SET REVIEW
5	11/06/2012	BID SET REVIEW
6	2/26/2013	BID SET REVIEW
7	10/08/2013	BID

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

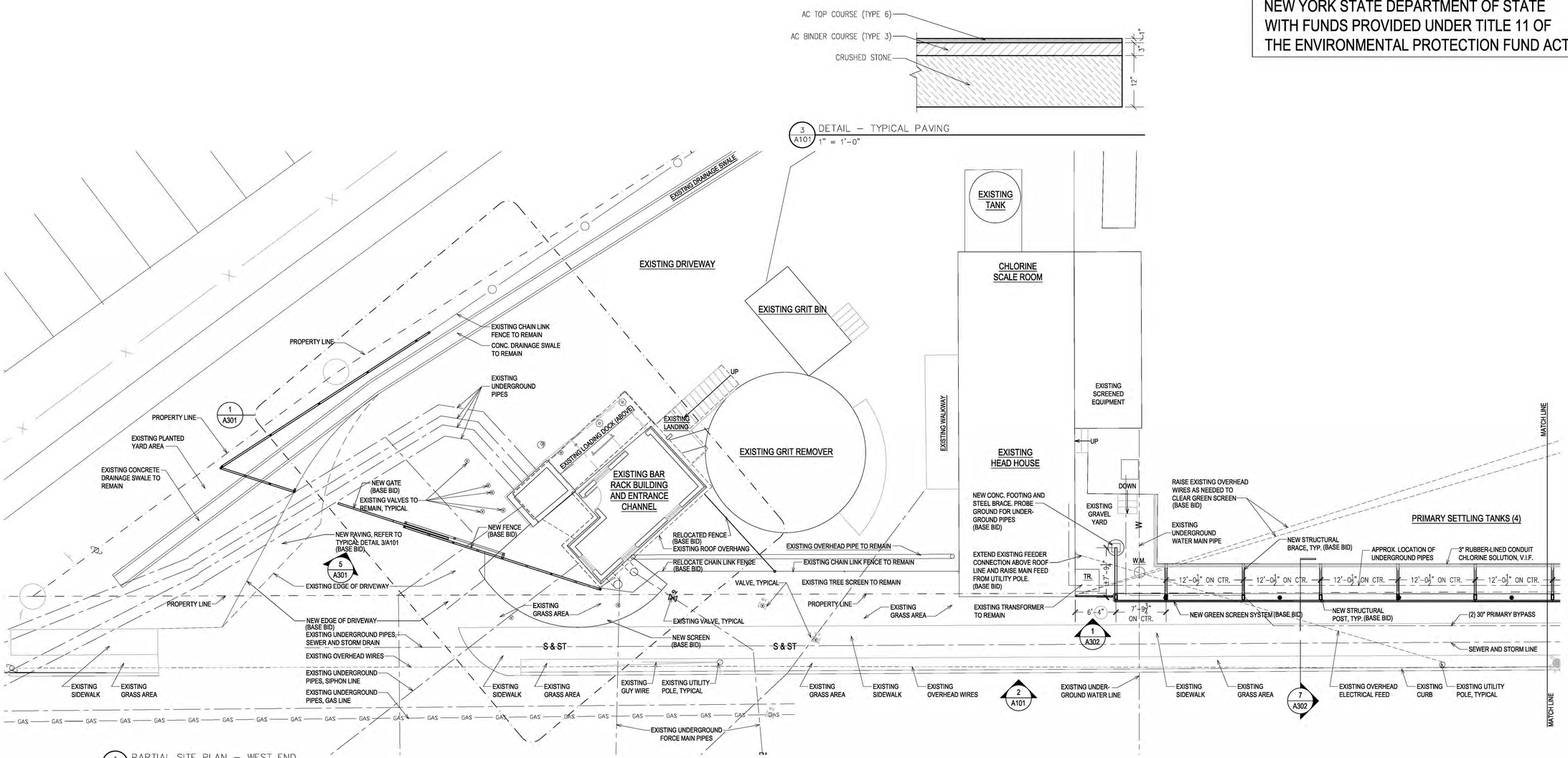
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

DEMOLITION PLAN - EAST END

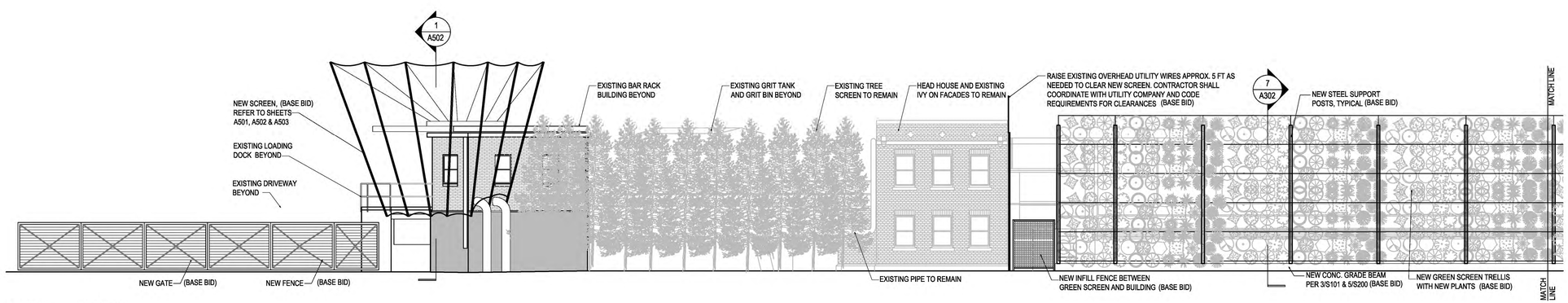
SCALE AS NOTED

DM-103.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A101 PARTIAL SITE PLAN – WEST END
1/8" = 1'-0"



2 A101 PARTIAL ELEVATION – WEST END
1/8" = 1'-0"

No.	DATE	ISSUE FOR:
1	7/16/2021	BID SET REVIEW
2	8/13/2021	BID SET REVIEW
3	10/18/2021	BID SET REVIEW
4	10/27/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	12/20/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2015 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

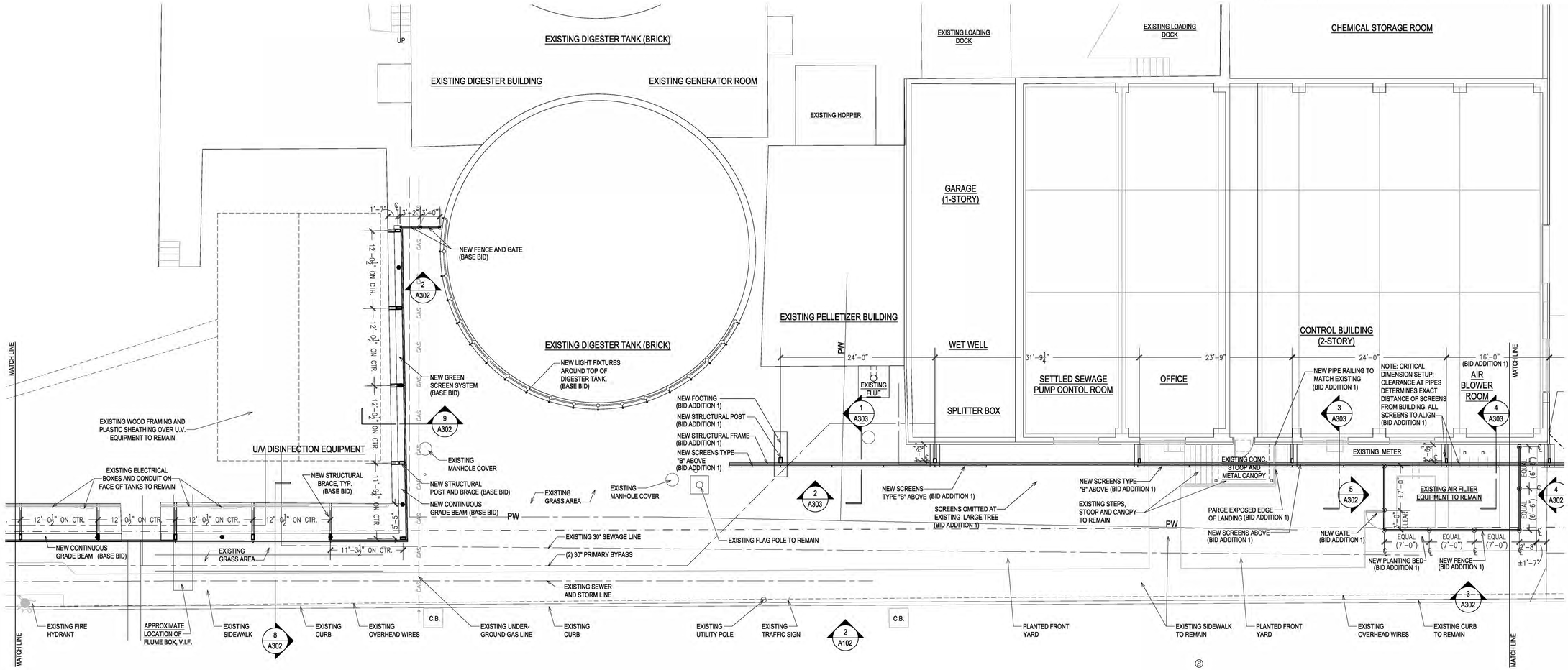
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL SITE PLAN AND PARTIAL ELEVATION - WEST END

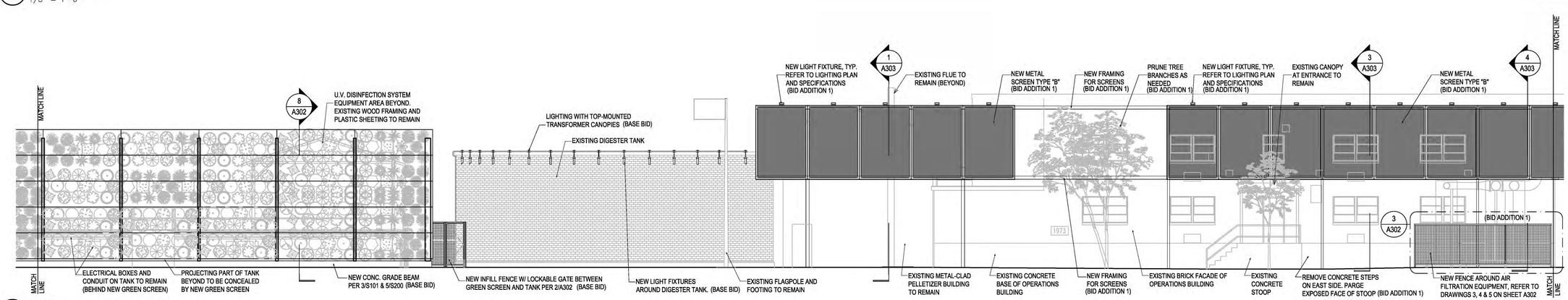
SCALE AS NOTED

A-101.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A102 PARTIAL SITE PLAN – MIDDLE
1/8" = 1'-0"



2 A102 PARTIAL ELEVATION – MIDDLE
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	7/16/2021	BID SET REVIEW
2	8/16/2021	BID SET REVIEW
3	10/06/2021	BID SET REVIEW
4	10/27/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	11/22/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

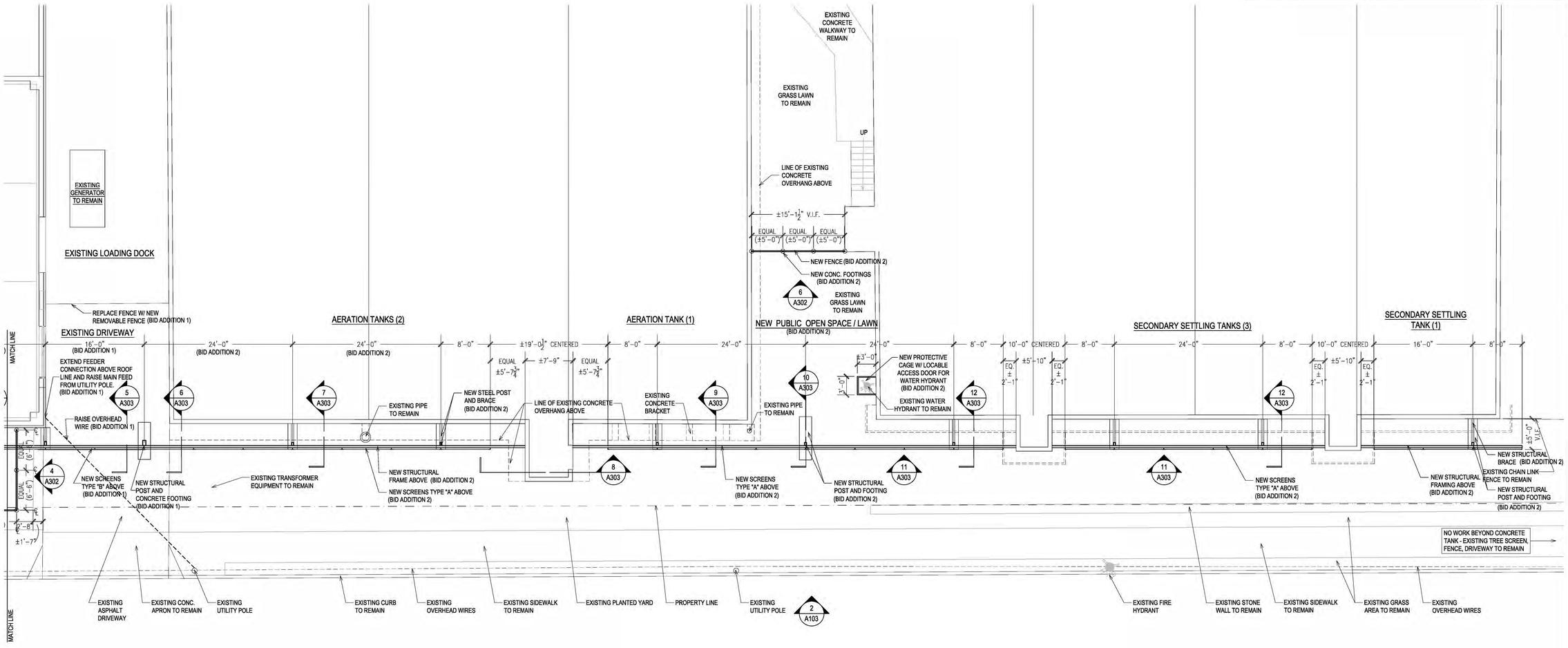
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL SITE PLAN AND PARTIAL ELEVATION - MIDDLE PART

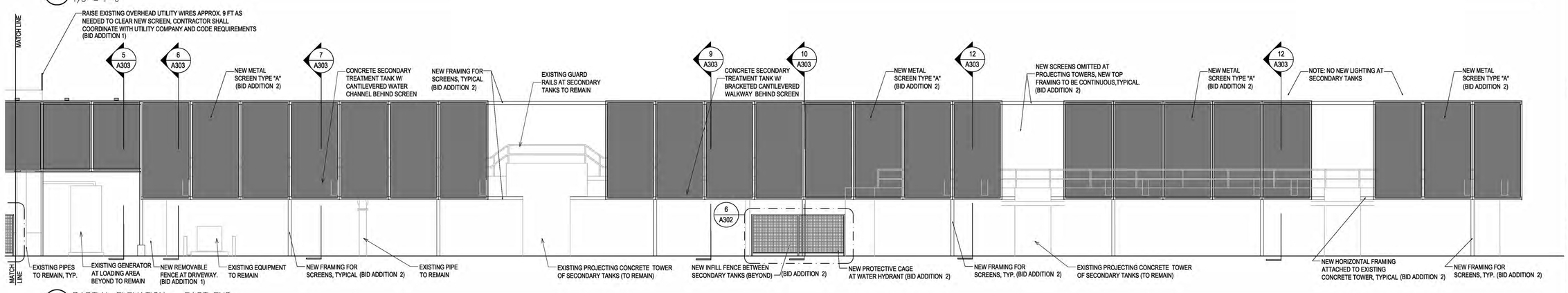
SCALE AS NOTED

A-102.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A103 PARTIAL SITE PLAN – EAST END
1/8" = 1'-0"



2 A103 PARTIAL ELEVATION – EAST END
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	7/16/2021	BID SET REVIEW
2	8/16/2021	BID SET REVIEW
3	9/30/2021	BID SET REVIEW
4	10/27/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	11/22/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2015 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

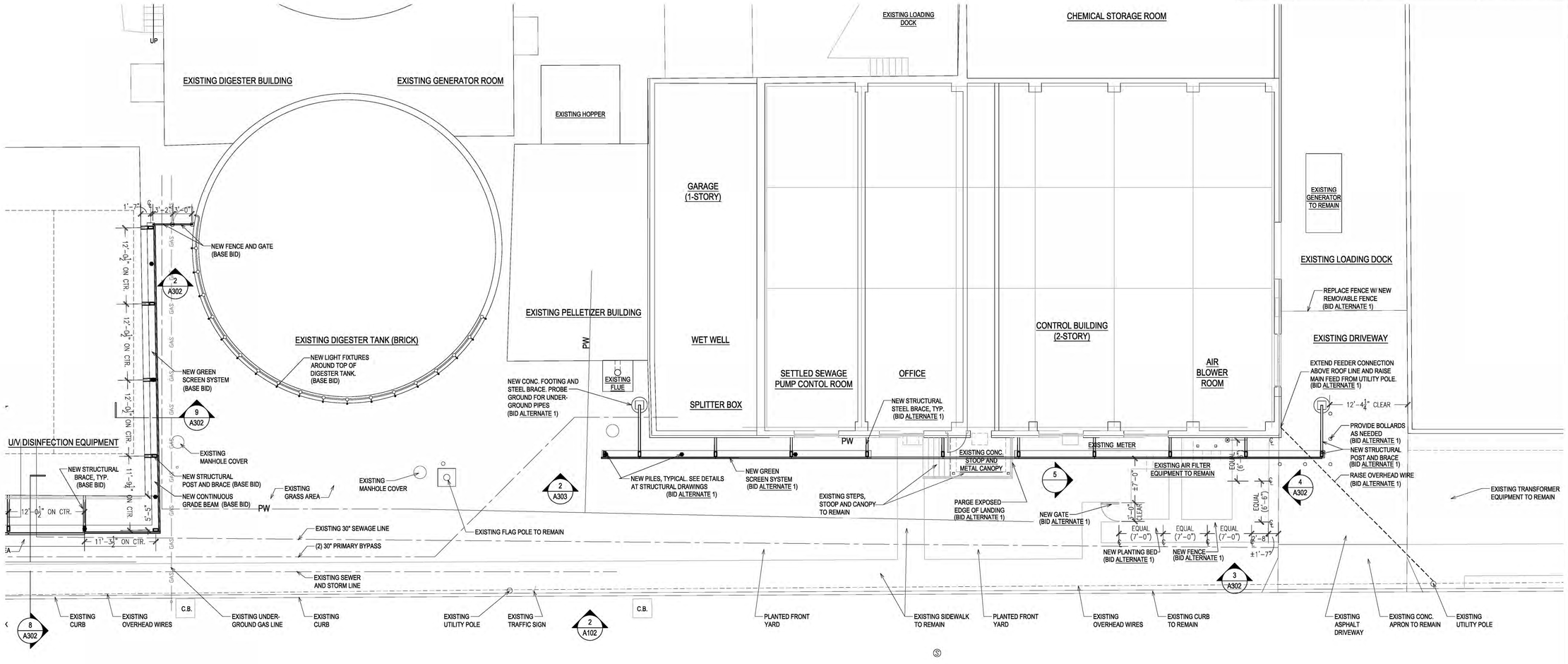
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL SITE PLAN AND PARTIAL ELEVATION - EAST END

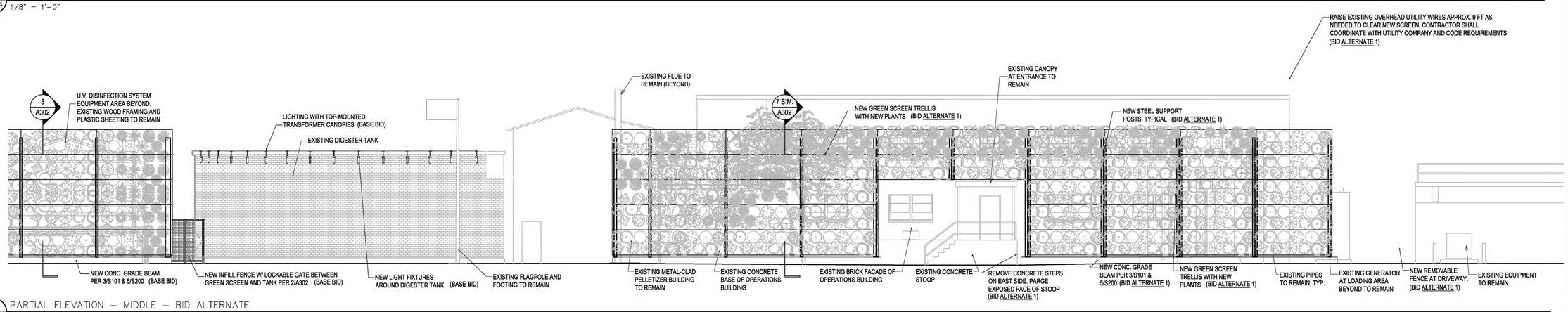
SCALE AS NOTED

A-103.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A104 PARTIAL SITE PLAN – MIDDLE – BID ALTERNATE
1/8" = 1'-0"



2 A104 PARTIAL ELEVATION – MIDDLE – BID ALTERNATE
1/8" = 1'-0"

No.	DATE	ISSUE FOR:
1	7/16/2021	BID SET REVIEW
2	8/13/2021	BID SET REVIEW
3	9/20/2021	BID SET REVIEW
4	10/27/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	12/20/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

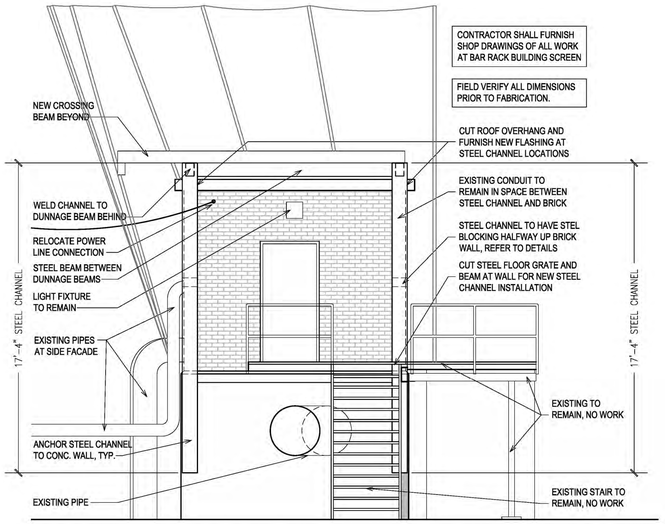
ARCHITECT'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

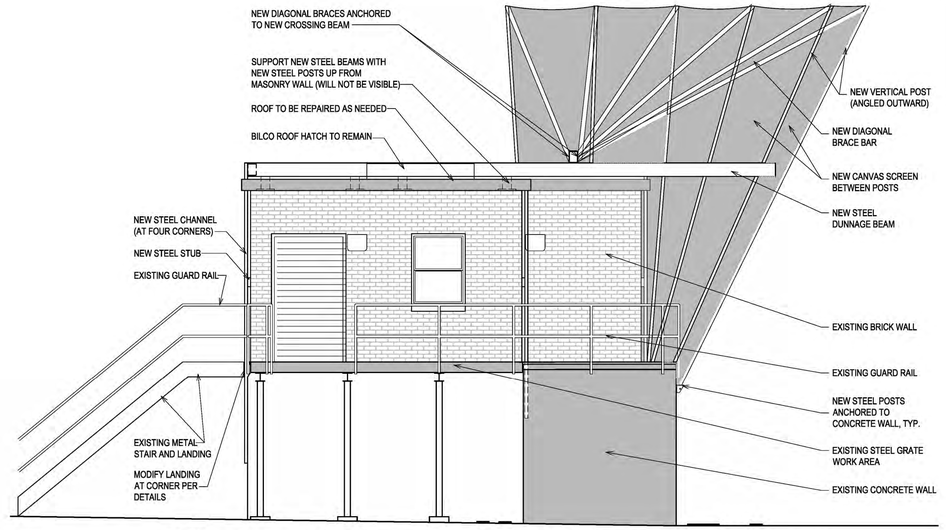
PARTIAL SITE PLAN AND PARTIAL ELEVATION - MIDDLE PART - BID ALTERNATE

SCALE AS NOTED

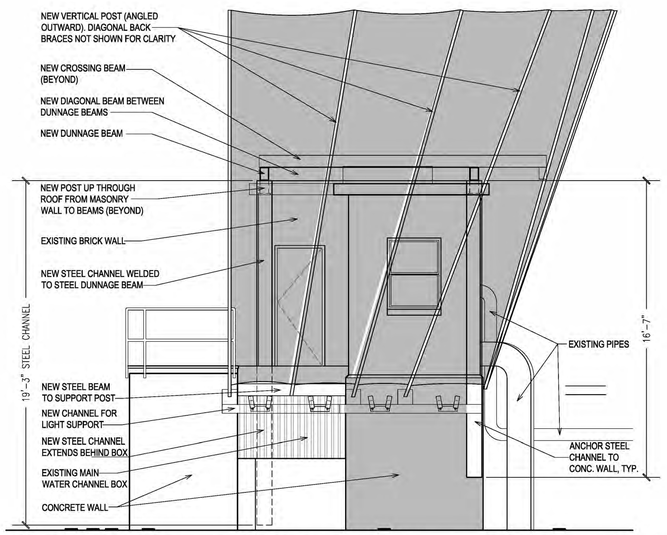
A-104.00



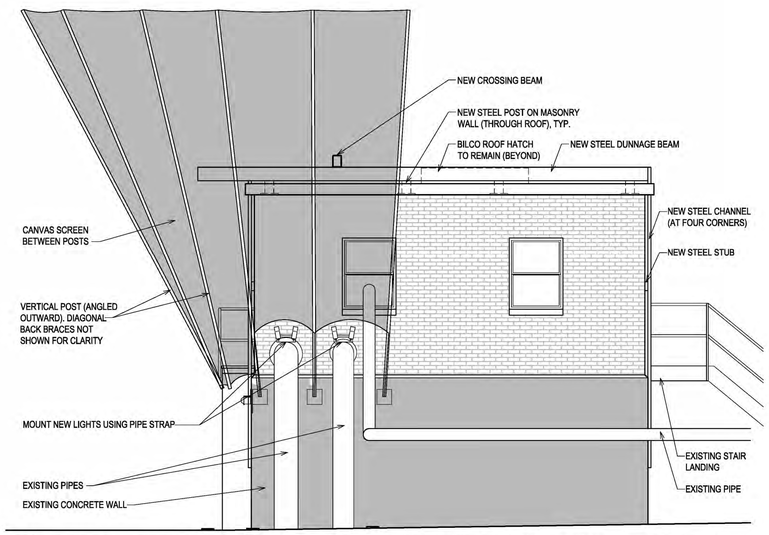
1 A301 ELEVATION – BAR RACK BLDG NORTH FACADE AND NEW ENTRANCE SCREEN –(BASE BID)
1/4"=1'-0"



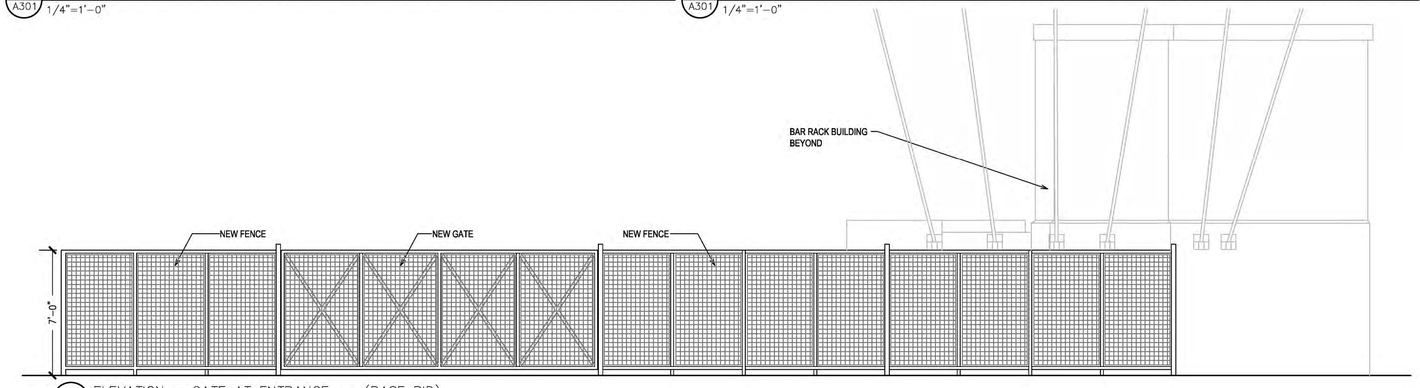
2 A301 ELEVATION – BAR RACK BLDG WEST FACADE AND NEW ENTRANCE SCREEN –(BASE BID)
1/4"=1'-0"



3 A301 ELEVATION – BAR RACK BLDG SOUTH FACADE AND NEW ENTRANCE SCREEN –(BASE BID)
1/4"=1'-0"



4 A301 ELEVATION – BAR RACK BLDG EAST FACADE AND NEW ENTRANCE SCREEN SCREEN –(BASE BID)
1/4"=1'-0"



5 A301 ELEVATION – GATE AT ENTRANCE – (BASE BID)
1/4"=1'-0"

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	ISSUE FOR
1	7/16/2021	BID SET REVIEW
2	8/27/2021	BID SET REVIEW
3	10/06/2021	BID SET REVIEW
4	10/27/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	11/29/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2015 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

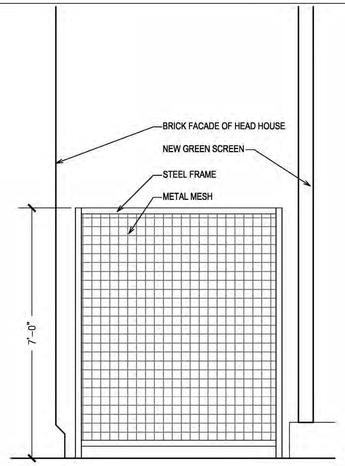
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

ELEVATIONS - BAR RACK BUILDING FACADES & ENTRANCE SCREEN & GATE

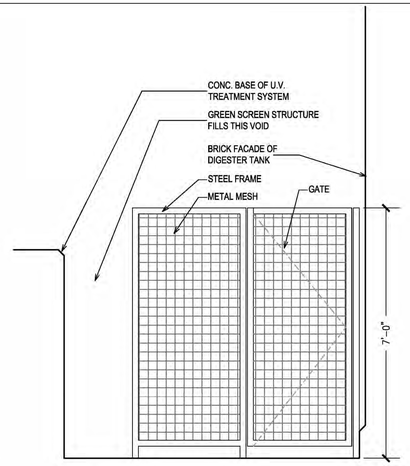
SCALE AS NOTED

A-301.00

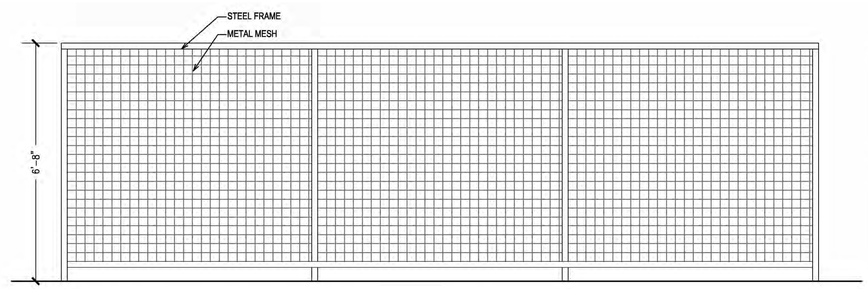
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



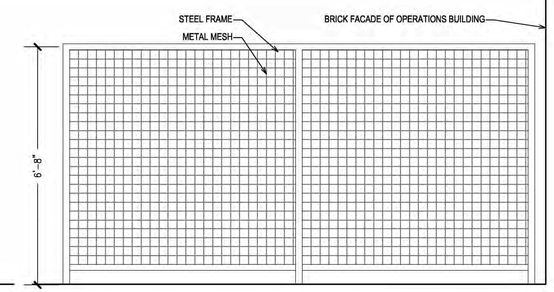
1 A302 ELEVATION – FENCE AT HEAD HOUSE
1/2"=1'-0" (BASE BID)



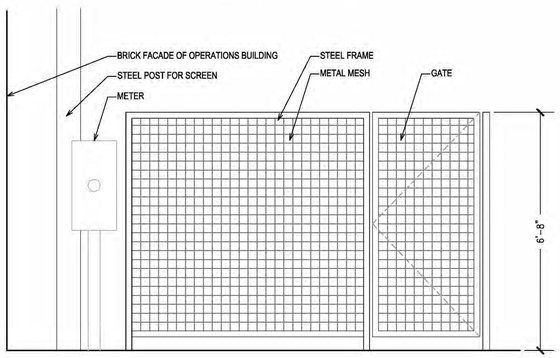
2 A302 ELEVATION – FENCE AT DIGESTER TANK
1/2"=1'-0" (BASE BID)



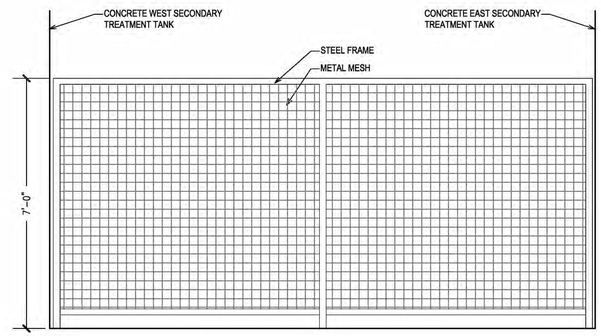
3 A302 ELEVATION – FENCE AT AIR FILTER EQUIPMENT – FRONT
1/2"=1'-0" (BID ADDITION 1)



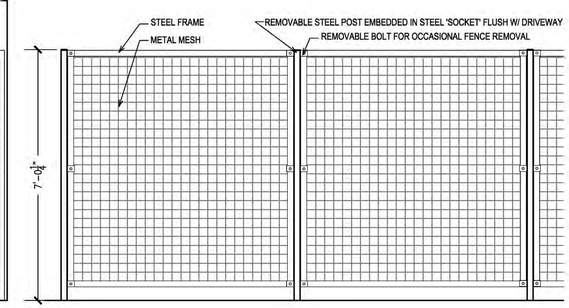
4 A302 ELEVATION – FENCE AT AIR FILTER EQUIPMENT – RIGHT SIDE
1/2"=1'-0" (BID ADDITION 1)



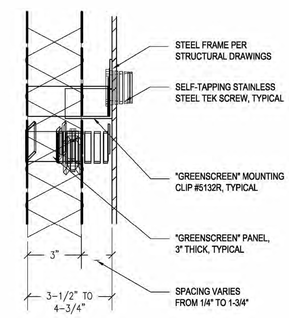
5 A302 ELEVATION – FENCE AT AIR FILTER EQUIPMENT – LEFT SIDE
1/2"=1'-0" (BID ADDITION 1)



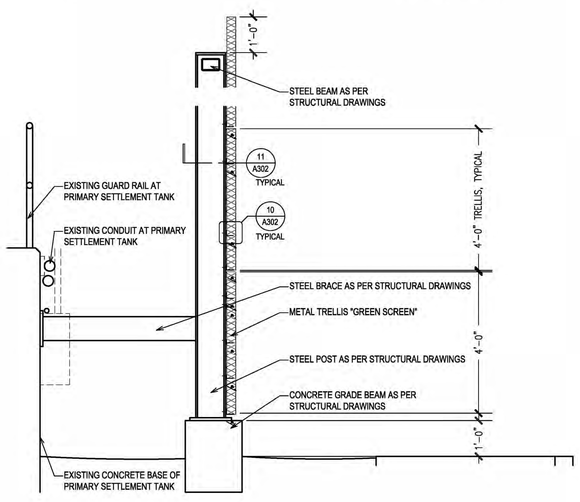
6 A302 ELEVATION – FENCE BETWEEN SECONDARY TREATMENT TANKS
1/2"=1'-0" (BID ADDITION 2)



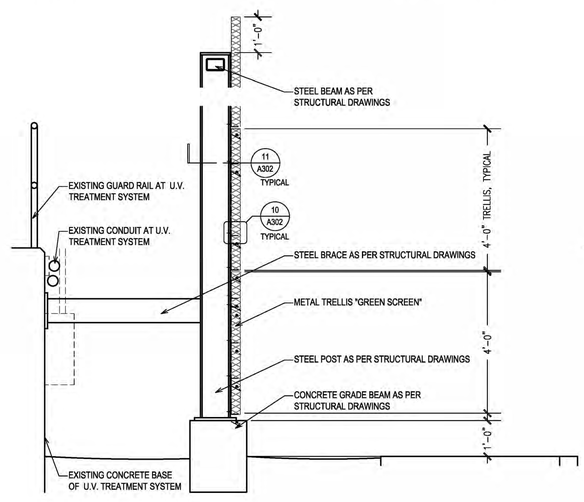
12 A302 ELEVATION – REMOVABLE FENCE AT DRIVEWAY / LOADING DOCK
1/2"=1'-0" (BID ADDITION 1)



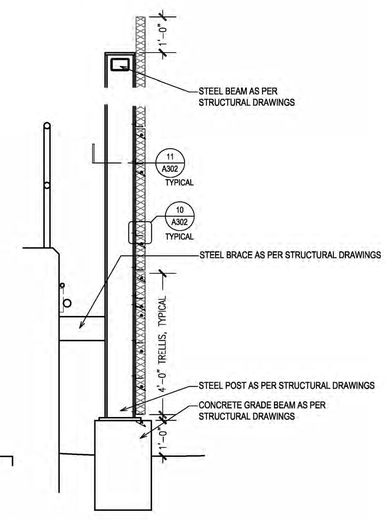
10 A302 DETAIL – TYPICAL GREEN SCREEN SECTION
3"=1'-0" (BASE BID)(AND BID ALTERNATE 1)



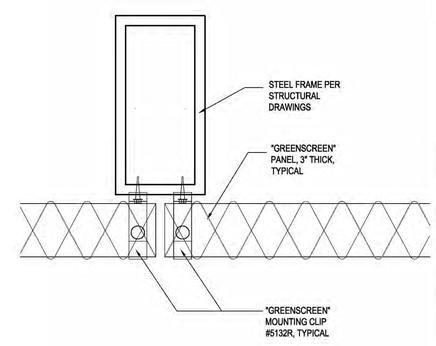
7 A302 SECTION – GREEN SCREEN AT PRIMARY SETTLEMENT TANK (BASE BID)
1/2"=1'-0" (AND SIMILAR FOR BID ALTERNATE 1)



8 A302 SECTION – GREEN SCREEN AT U.V. TREATMENT (FRONT) (BASE BID)
1/2"=1'-0"



9 A302 SECTION – GREEN SCREEN BETWEEN U.V. TREATMENT & DIGESTER TANK (SIDE)
1/2"=1'-0" (BASE BID)



11 A302 DETAIL – TYPICAL GREEN SCREEN PLAN SECTION
3"=1'-0" (BASE BID)(AND BID ALTERNATE 1)

No.	DATE	ISSUE FOR:
1	7/16/2021	BID SET REVIEW
2	8/13/2021	BID SET REVIEW
3	9/20/2021	BID SET REVIEW
4	10/15/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	12/13/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

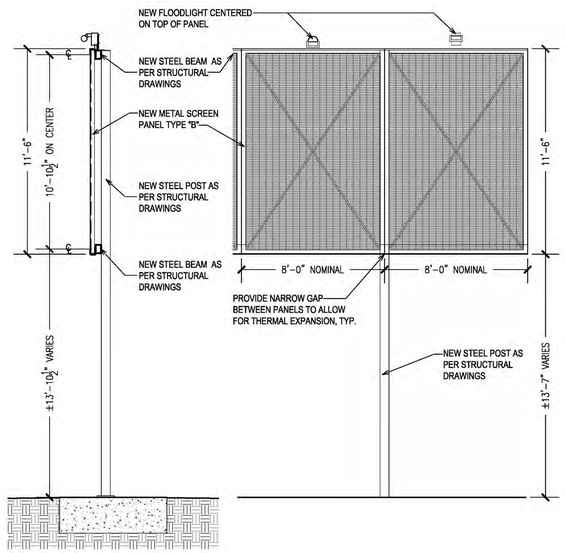
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

ELEVATIONS,SECTIONS AND DETAILS - FENCES AND GREEN SCREEN

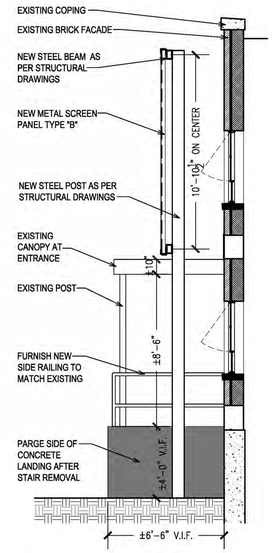
SCALE AS NOTED

A-302.00

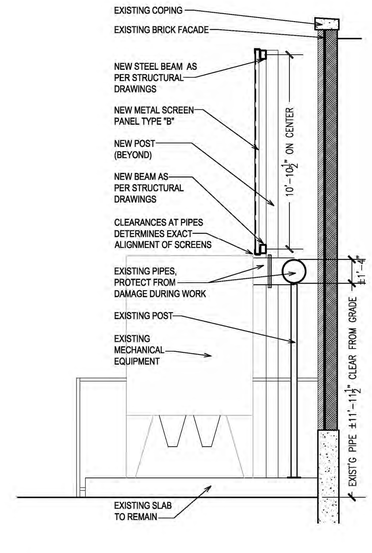
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A303 SECTION – SCREEN AT PELLETIZER BLDG 1/4"=1'-0" (BID ADDITION 1)

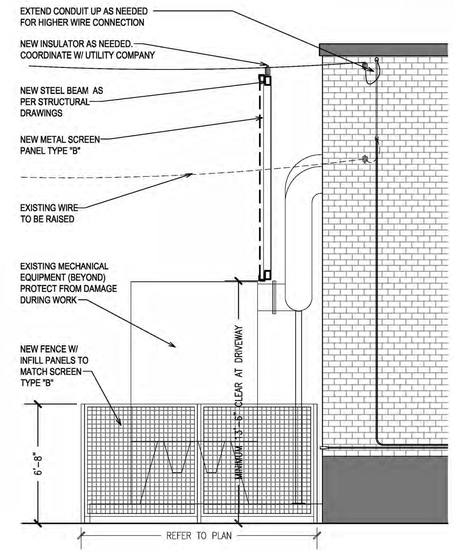


2 A303 ELEVATION – SCREEN AT PELLETIZER BLDG 1/4"=1'-0" (BID ADDITION 1)

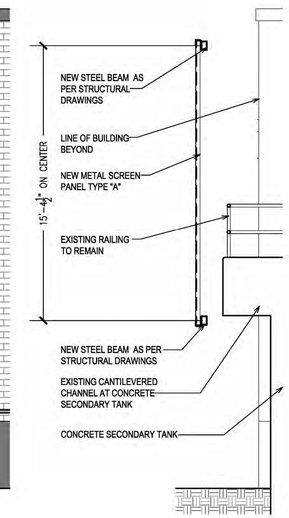


3 A303 SECTION – SCREEN AT OPERATONS BLDG 1/4"=1'-0" (BID ADDITION 1)

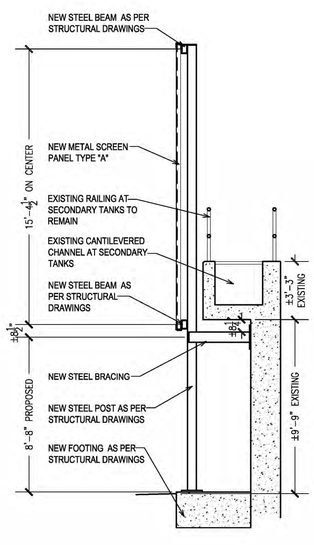
4 A303 SECTION – SCREEN AT MECH. EQUIPMENT 1/4"=1'-0" (BID ADDITION 1)



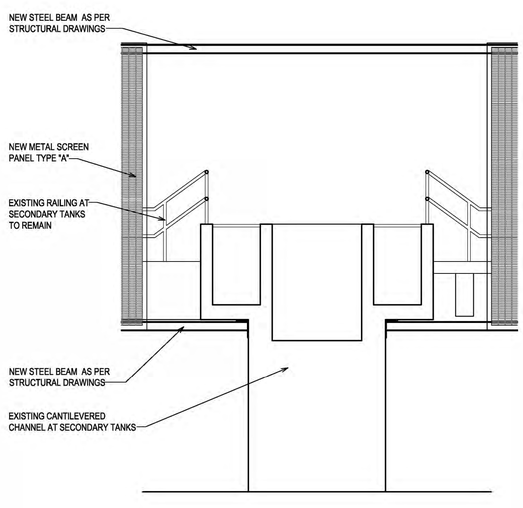
5 A303 SECTION – SCREEN AT DRIVEWAY TO LOADING DOCK 1/4"=1'-0" (BID ADDITION 1)



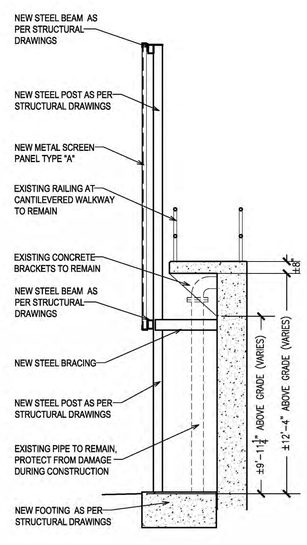
6 A303 SECTION – OVERLAPPING SCREENS 1/4"=1'-0" (BID ADDITION 1+2)



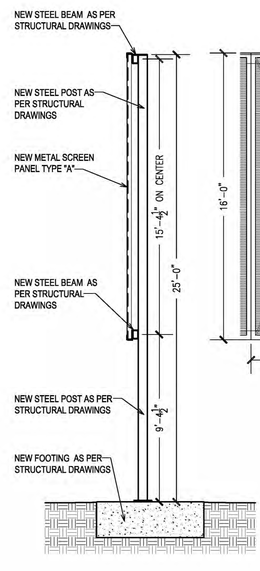
7 A303 SECTION – SCREEN AT WEST SECONDARY TREATMENT 1/4"=1'-0" (BID ADDITION 2)



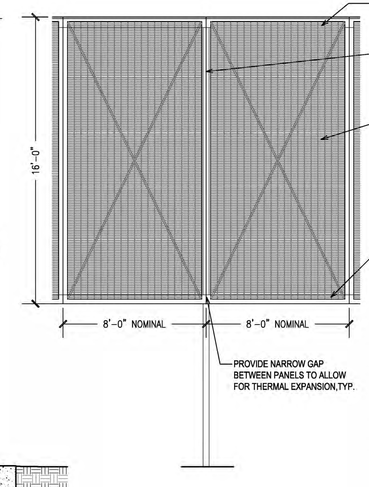
8 A303 SECTION – SCREEN AT WEST SECONDARY TANK "TOWER" 1/4"=1'-0" (BID ADDITION 2)



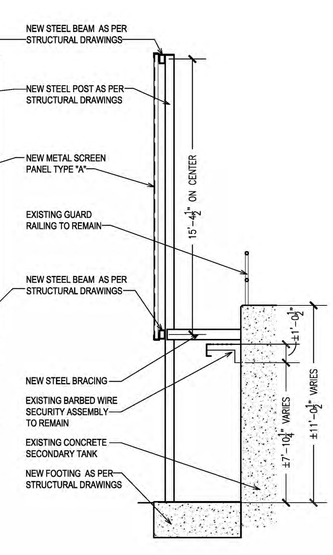
9 A303 SECTION – SCREEN AT WEST SECONDARY TREATMENT 1/4"=1'-0" (BID ADDITION 2)



10 A303 SECTION – SCREEN AT YARD 1/4"=1'-0" (BID ADDITION 2)



11 A303 ELEVATION – SCREEN AT EAST TANK 1/4"=1'-0" (BID ADDITION 2)



12 A303 SECTION – SCREEN AT EAST TANK 1/4"=1'-0" (BID ADDITION 2)

No.	DATE	ISSUE FOR
1	7/16/2021	BID SET REVIEW
2	8/16/2021	BID SET REVIEW
3	10/06/2021	BID SET REVIEW
4	10/27/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	12/20/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchiteds.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT

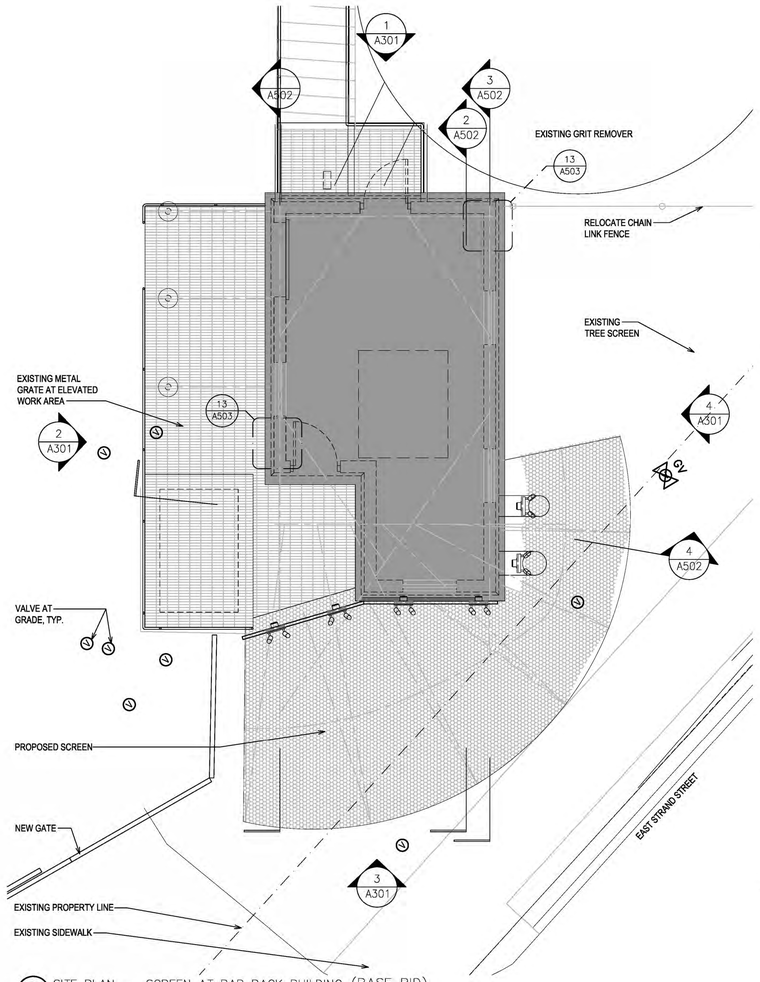
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

ELEVATIONS, SECTIONS AND DETAILS - SCREENS AT ADMIN. BLDG & AT TANKS

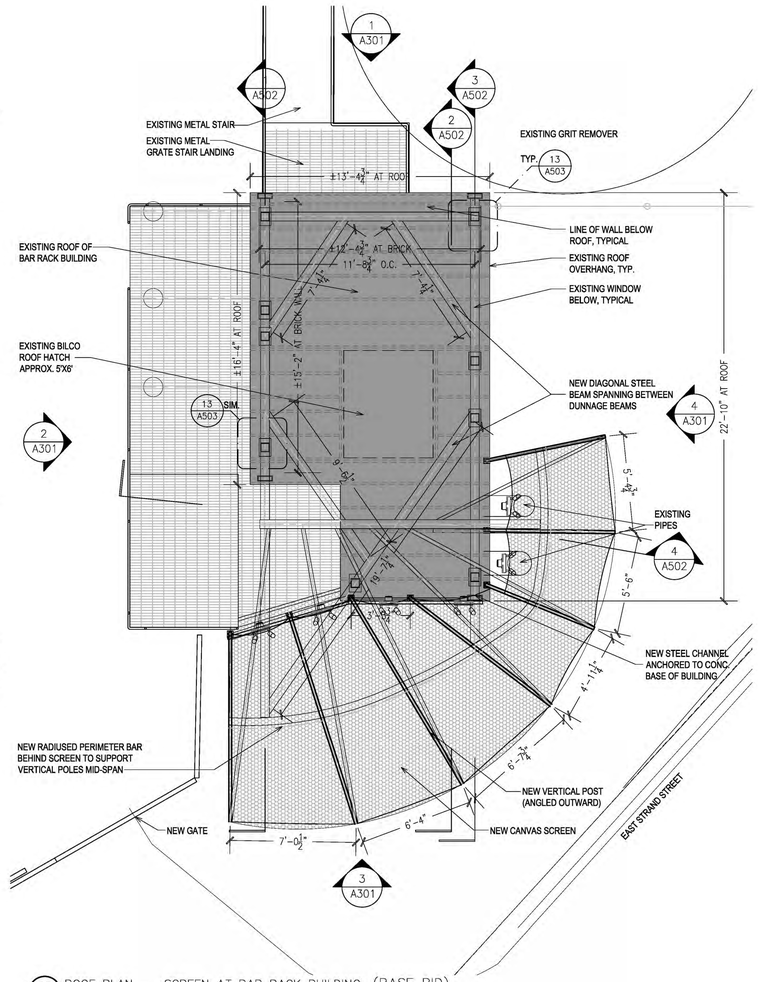
SCALE AS NOTED

A-303.00

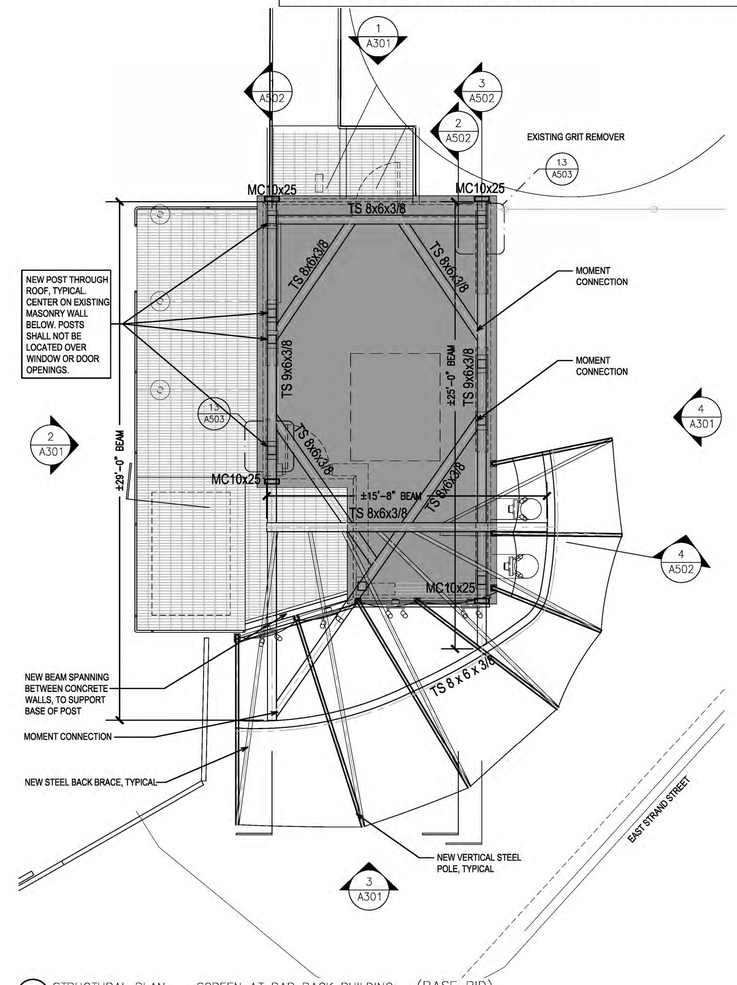
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A501 SITE PLAN – SCREEN AT BAR RACK BUILDING (BASE BID)
1/4"=1'-0"



2 A501 ROOF PLAN – SCREEN AT BAR RACK BUILDING (BASE BID)
1/4"=1'-0"



3 A501 STRUCTURAL PLAN – SCREEN AT BAR RACK BUILDING (BASE BID)
1/4"=1'-0"

GENERAL STRUCTURAL NOTES FOR SCREEN AND STRUCTURE AT BAR RACK BUILDING

1. CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
2. DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS UNLESS OTHERWISE NOTED.
3. STRUCTURAL DESIGN HAS BEEN BASED UPON THE APPROPRIATE PROVISIONS OF EACH OF THE FOLLOWING:
   a. LOCAL BUILDING CODE.
   b. A.I.S.C. "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION.
4. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ARCHITECTURAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY

CONTROLLED INSPECTIONS - REQUIRED

A. PULL TEST AND SHEAR TEST OF ANCHORS MIN. 2
B. STRUCTURAL STEEL - WELDING
C. STRUCTURAL STEEL - ERECTION AND BOLTING

SHOP DRAWINGS - REQUIRED

A. STRUCTURAL STEEL

STRUCTURAL STEEL SPECIFICATIONS

1. ALL STRUCTURAL STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE OF STANDARD PRACTICE. STRUCTURAL STEEL SHALL BE NEW, CLEAN AND STRAIGHT, AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   a. WIDE FLANGE ROLLED SHAPES: ASTM A36, (FY=36 KSI).
   b. PLATES, ANGLES, BARS, CHANNELS: ASTM A36, (FY=36 KSI)
   c. STEEL PIPE: ASTM A53, TYPE E OR S, PRIME GRADE B (FY=35 KSI) OR ASTM A501 (FY=36 KSI).
   d. STEEL TUBE: ASTM A500 (FY=46 KSI)
2. ALL ANCHOR BOLTS SHALL BE ASTM A307 OR ASTM A36.
3. UNLESS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH STRENGTH BOLTS, IN SLIP CRITICAL TYPE CONNECTIONS CONFORMING TO ASTM A325 AND SHALL BE PROVIDED WITH HARDENED WASHERS UNDER THE TURNED ELEMENT (NUT OR BOLT HEAD).
4. INSTALLATION AND TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS OR A490 BOLTS," TURN OF THE NUT METHOD.
5. SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED. ALL CONNECTIONS SHALL CONFORM TO THE TYPICAL CONNECTION DETAILS SHOWN ON THE DRAWINGS.
6. ALL FIELD CONNECTIONS SHALL BE BOLTED WITH HIGH STRENGTH BOLTS, UNLESS OTHERWISE SHOWN.
7. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE - STEEL (AWS D1.1), AND SHALL BE DONE BY A.W.S. QUALIFIED WELDERS USING E70XX ELECTRODES.
8. ALL CONTACT SURFACES WITHIN HIGH STRENGTH BOLTED CONNECTIONS AND WELDING AREAS SHALL BE FREE OF OIL, PAINT, LACQUER, OR GALVANIZING.
9. ALL COLUMNS SHALL BE MILLED TO BEAR AT BASEPLATES AND CAP PLATES.
10. ALL TUBE AND PIPE COLUMNS SHALL HAVE THRU-PLATE CONNECTIONS.
11. BURNING OF HOLES, CUTS, ETC. IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC WRITTEN APPROVAL OF THE ENGINEER.
12. HOT DIP GALVANIZE STEEL HARDWARE WHERE NOTED SHALL CONFORM TO ASTM A153.
13. HOT DIP GALVANIZE STEEL PRODUCTS AND ASSEMBLIES WHERE NOTED SHALL CONFORM TO ASTM A123.

NOTES: TENSILE STRUCTURES

1. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR STRUCTURAL COMPONENTS AS WELL AS FOR ALL CONNECTIONS FOR THE CANVAS SAILS AND 'SAIL' SUPPORTS.
2. CONTRACTOR'S BID SHALL INCLUDE THE COST OF FABRICATOR'S ENGINEER'S ANALYSIS OF THE CANVAS 'SAILS' AND TENSILE STRUCTURE AND FOR THE PREPARATION OF SHOP DRAWINGS.

No.	DATE	ISSUE FOR
1	7/16/2021	BID SET REVIEW
2	8/13/2021	BID SET REVIEW
3	9/20/2021	BID SET REVIEW
4	10/7/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	11/22/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchiteds.com

ARCHITECT'S SEAL AND SIGNATURE

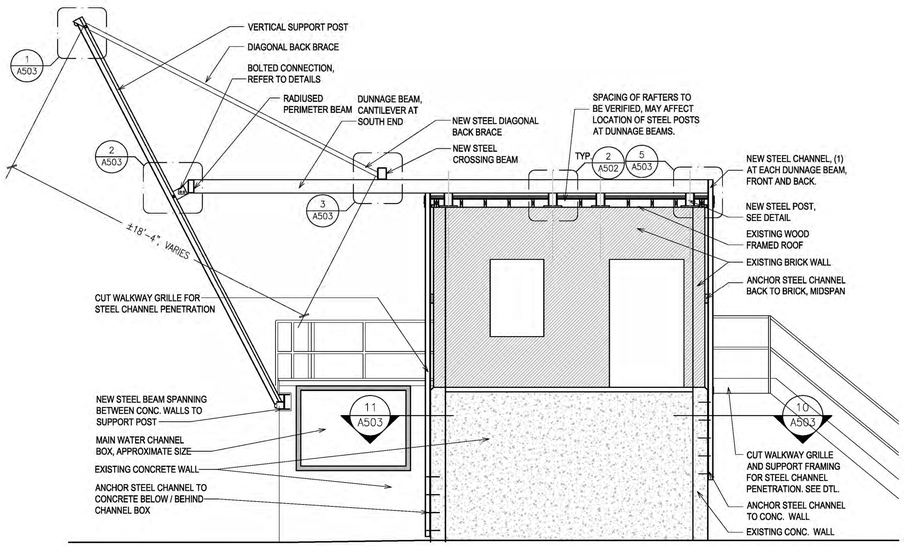
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PLAN DETAILS - SCREEN AT BAR RACK BUILDING

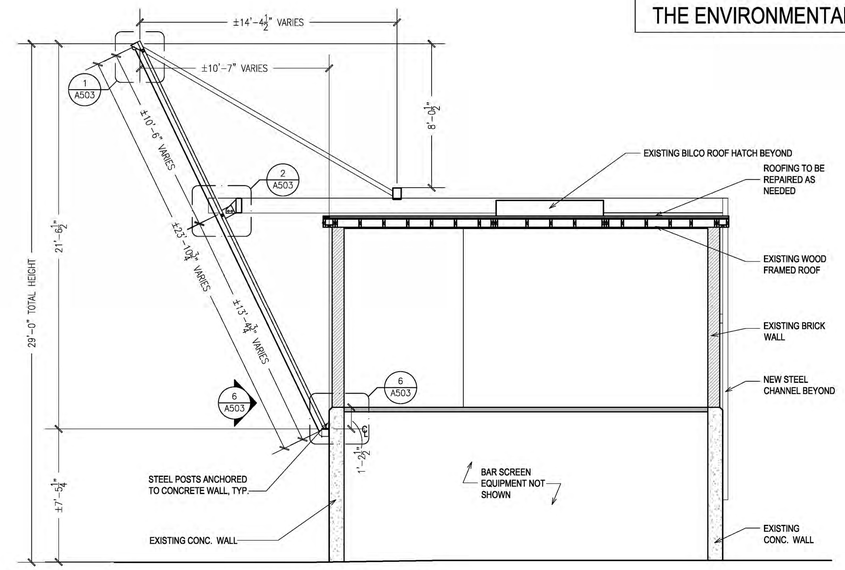
SCALE AS NOTED

A-501.00

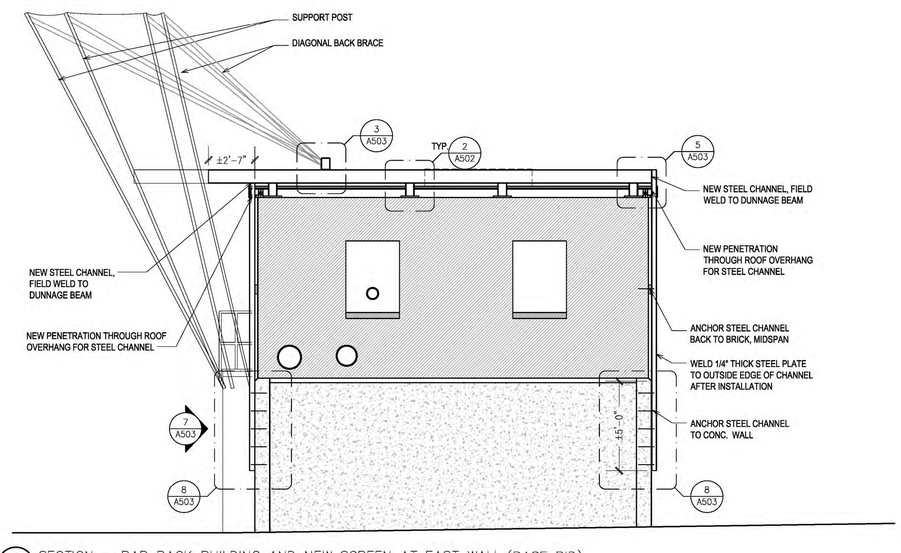
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



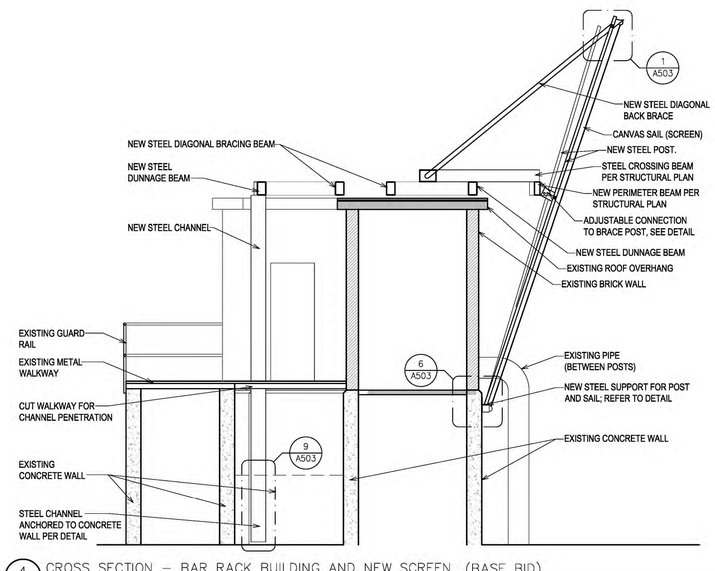
1 A502 SECTION – BAR RACK BUILDING AND NEW SCREEN AT WEST WALL (BASE BID)
1/4"=1'-0"



2 A502 SECTION – BAR RACK BUILDING AND NEW SCREEN (BASE BID)
1/4"=1'-0"



3 A502 SECTION – BAR RACK BUILDING AND NEW SCREEN AT EAST WALL (BASE BID)
1/4"=1'-0"



4 A502 CROSS SECTION – BAR RACK BUILDING AND NEW SCREEN (BASE BID)
1/4"=1'-0"

No.	DATE	ISSUE FOR
1	7/16/2021	ISD SET REVIEW
2	8/27/2021	ISD SET REVIEW
3	10/29/2021	ISD SET REVIEW
4	02/17/2022	ISD SET REVIEW
5	11/08/2022	ISD SET REVIEW
6	12/20/2022	ISD SET REVIEW
7	1/06/2023	BID

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

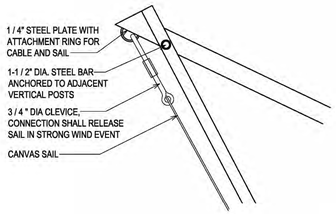
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

SECTIONS AND DETAILS SCREEN AT BAR RACK BUILDING

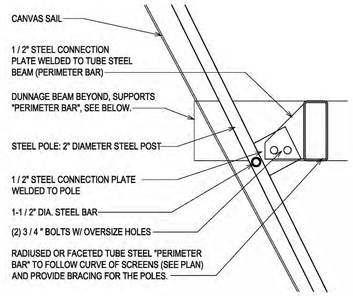
SCALE AS NOTED

A-502.00

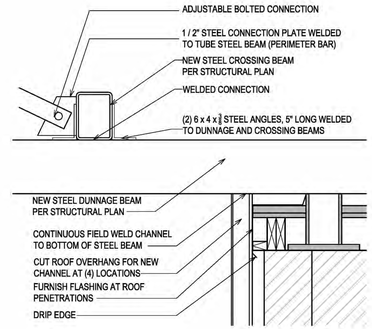
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



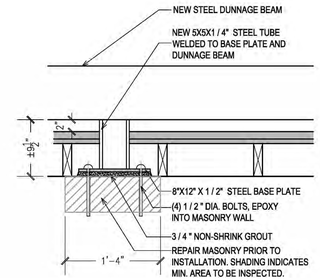
1 A503 DETAIL – TOP OF POST AND SAIL (SCREEN) 1"=1'–0" (BASE BID)



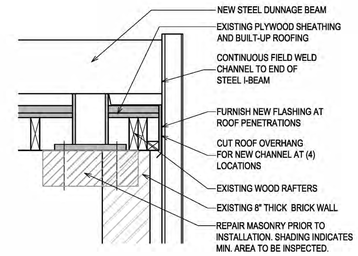
2 A503 DETAIL – BRACING NEAR MIDDLE OF POST 1"=1'–0" (BASE BID)



3 A503 DETAIL – CROSSING BEAM AND STEEL CHANNEL AT DUNNAGE BEAM 1"=1'–0" (BASE BID)

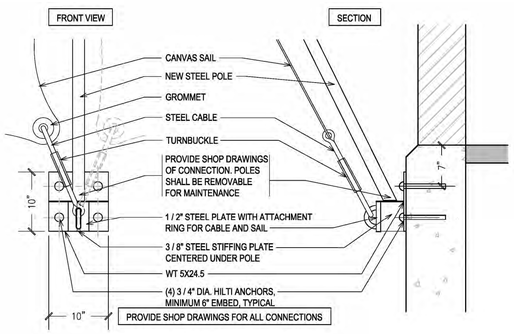


4 A503 DETAIL – DUNNAGE BEAM SUPPORT POSTS 1"=1'–0" (BASE BID)

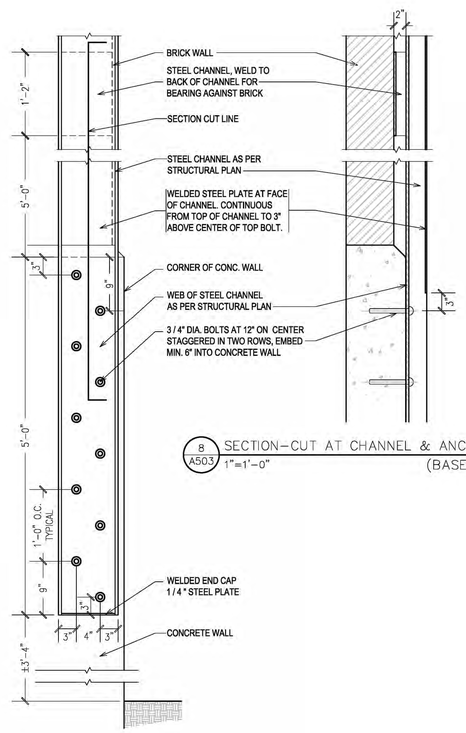


5 A503 DETAIL – DUNNAGE BEAM CONNECTION TO CHANNELS 1"=1'–0" (BASE BID)

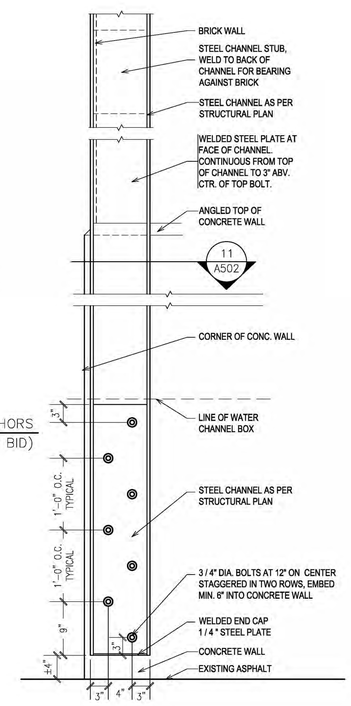
NOTE: ALL CONNECTIONS MUST BE MADE OF COMPONENTS WHICH ARE APPROPRIATE FOR A HIGHLY CORROSIVE ENVIRONMENT. STEEL BOLTS, WASHERS, ETC... SHALL BE STAINLESS STEEL OR GALVANIZED.

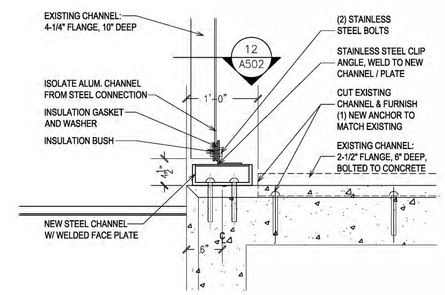


6 A503 DETAIL – BASE OF POST AND SAIL (SCREEN) 1"=1'–0" (BASE BID)

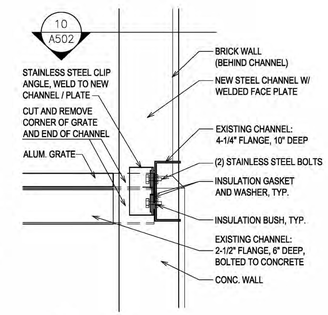


8 A503 SECTION–CUT AT CHANNEL & ANCHORS 1"=1'–0" (BASE BID)

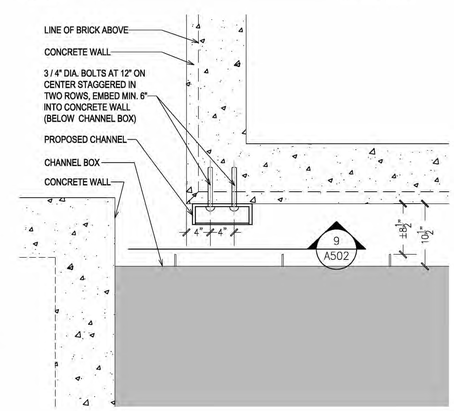




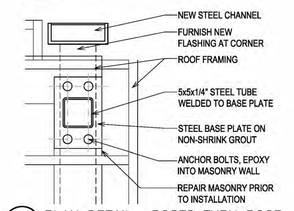
10 A503 PLAN DETAIL – CHANNEL AT NORTHWEST CORNER 1"=1'–0" (BASE BID)



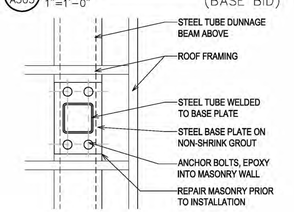
12 A503 SECTION – NORTH LANDING 1"=1'–0" (BASE BID)



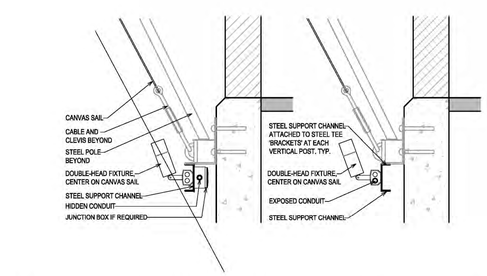
11 A503 PLAN DETAIL – CHANNEL AT SOUTHWEST CORNER 1"=1'–0" (BASE BID)



13 A503 PLAN DETAIL– POSTS THRU ROOF 1"=1'–0" (BASE BID)



14 A503 PLAN DETAIL– POSTS THRU ROOF 1"=1'–0" (BASE BID)



15 A503 DETAIL – NEW CHANNEL AND LIGHT MOUNTING W/ ALTERNATE 3/4"=1'–0" (BASE BID)

No.	DATE	ISSUE FOR
1	7/16/2021	BID SET REVIEW
2	8/16/2021	BID SET REVIEW
3	9/30/2021	BID SET REVIEW
4	10/15/2021	BID SET REVIEW
5	11/08/2021	BID SET REVIEW
6	12/13/2021	BID SET REVIEW
7	1/06/2023	BIDS

© 2015 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchiteds.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT

STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

SECTIONS AND DETAILS SCREEN AT BAR RACK BUILDING

SCALE AS NOTED

A-503.00

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
–	ADD'L	ADDITIONAL
–	ARCH	ARCHITECT
–	BFE	BOTTOM OF FOOTING/FNDN. ELEVATION
–	BOTT	BOTTOM
–	CJ	CONTRACTION (CONTROL) JOINT
–	CONT	CONTINUOUS
–	CONST	CONSTRUCTION JOINT
–	D	DEEP/DEPTH
–	DWG.	DRAWING
–	EF	EACH FACE
–	ELEV	ELEVATION
–	EQ	EQUAL
–	EXIST	EXISTING
–	FG	FINISH GRADE
–	FIN FL	FINISH FLOOR
–	FND	FOUNDATION
–	H	HIGH/HEIGHT
–	IF	INSIDE FACE
–	IFP	INSIDE FOOTING PROJECTION
–	L	LENGTH/LONG
–	LMF	LIGHT (GAGE) METAL FRAMING
–	LVL	LAMINATED VENEER LUMBER
–	MAX	MAXIMUM
–	MIN	MINIMUM
–	MO	MASONRY OPENING
–	OC	ON CENTER
–	OF	OUTSIDE FACE
–	OFP	OUTSIDE FOOTING PROJECTION
–	REINF	REINFORCING
–	SIM	SIMILAR
–	T	THICKNESS/THICK
–	TOS	TOP OF STRUCTURAL STEEL ELEVATION
–	TPE	TOP OF PIER ELEVATION
–	TOS	TOP OF STRUCTURAL SLAB ELEVATION
–	TSHE	TOP OF SHELF ELEVATION
–	TOW	TOP OF WALL ELEVATION
–	TYP	TYPICAL
–	UON	UNLESS OTHERWISE NOTED
–	VP	VAPOR BARRIER
–	W	WIDTH/WIDE
–	WWF	WELDED WIRE FABRIC
	–	EARTH
	–	BRICK
	–	CONCRETE
	–	CMU
	–	GRAVEL
	–	RIGID INSULATION
	–	WOOD

DRAWING LIST:

S-100	GENERAL NOTES
S-101	ENLARGED PARTIAL SITE PLAN
S-102	ENLARGED PARTIAL SITE PLAN
S-103	ENLARGED PARTIAL SITE PLAN
S-200	STRUCTURAL DETAILS
S-201	STRUCTURAL DETAILS
S-202	STRUCTURAL DETAILS

GENERAL NOTES

1.) THE FOLLOWING REQUIREMENTS ALONG WITH THE DRAWINGS AND PROJECT SPECIFICATIONS SHALL BE COORDINATED AND SHALL APPLY TO THIS STRUCTURE AND OTHER REQUIRED ASSOCIATED WORK.

2.) ALL WORK, TESTING, MATERIALS, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST BUILDING CODE AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.

3.) IF ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS AND/OR CONDITIONS SPECIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY WORK THAT WOULD BE AFFECTED UNTIL FORMALLY DIRECTED BY THE ENGINEER ON HOW TO PROCEED.

4.) THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO THE FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.

5.) ALL SHOP DRAWINGS FOR STEEL REINFORCING BARS, STRUCTURAL STEEL, LIGHT STEEL FRAMING MEMBERS, AND STEEL DECK INDICATING THE FABRICATOR MANUFACTURER, FINISH, LAYOUT, AND ALL ACCESSORIES MUST BE SUBMITTED TO AND BE CHECKED BY THE CONTRACTOR AND BEAR THE CHECKERS INITIALS BEFORE SUBMISSION TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SEE SPECIFICATIONS FOR SHOP DRAWING SUBMITTAL REQUIREMENTS.

6.) INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISALIGNED OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO REMEDIAL OR CORRECTIVE ACTION.

7.) THE STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL, M/E/P DRAWINGS (INCLUDING ALL CONTRACT SHOP DRAWINGS) AND EQUIPMENT MANUFACTURERS TO ENSURE THAT OPENINGS, ANCHORS, INSERTS, SLEEVES, ATTACHMENTS, ETC. ARE PROVIDED AS REQUIRED. SOME OF THE DETAILS OF THE WORK ARE SHOWN ON THE THESE DRAWINGS AND SHOULD BE CAREFULLY REVIEWED BY THE CONTRACTOR TO FULLY COMPREHEND THE FULL SCOPE OF WORK.

8.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND COORDINATING ALL DIMENSIONS WITH THE ARCHITECTURAL AND M/E/P DRAWINGS. IN CASE OF CONFLICT, THE CONTRACTOR SHALL IMMEDIATELY REQUEST A CLARIFICATION FROM THE ARCHITECT / ENGINEER.

9.) THE CONTRACTOR SHALL MAKE NO DEVIATION FROM THE DESIGN DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT / ENGINEER.

10.) IN CASE OF CONFLICT BETWEEN NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

11.) THIS STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER CONSTRUCTION OF THE STRUCTURE HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. LACK OF COMMENT BY THE ARCHITECT/ ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE ASPECTS OF WORK.

12.) LOADS APPLIED TO THE STRUCTURE DURING CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURE AS INDICATED BY THE SCHEDULED LIVE LOADINGS SHOWN ON THE DRAWINGS.

FOUNDATION AND EXCAVATION:

1.) THE FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING REPORT BY MASER CONSULTING, PA DATED DECEMBER 12, 2008.

2.) THE BOTTOM OF ALL EXCAVATIONS SHALL BE INSPECTED BY THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE OR GRANULAR FILL TO VERIFY THE PRESUMPTIVE BEARING STRATA AND DESIGN SOIL BEARING PRESSURE. ALL UNSUITABLE MATERIAL (BRICK FRAGMENTS, ASPHALT, CONCRETE BOULDERS, ETC.) WITHIN THE BUILDING AREA AND EXCAVATION SHALL BE REMOVED FROM THE SITE.

3.) ALL WATER AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE BOTTOM OF THE EXCAVATION BEFORE COMPACTING SUBGRADE AND PLACING CONCRETE OR GRANULAR FILL. GROUND WATER SHALL BE KEPT A MINIMUM OF 2' BELOW NEW FOUNDATIONS / FOOTINGS UNTIL CONCRETE HAS CURED.

4.) FOUNDATION WALLS AND FOOTINGS SHALL BEAR ON COMPACTED GRAVEL CUSHION PAD PLACED ON UNDISTURBED OR PROPERLY COMPACTED NATIVE SOIL UON.

5.) THE CAST-IN-PLACE SLAB-ON-GRADE SHALL BE PLACED ON A 6 MIL POLYETHYLENE VAPOR BARRIER OVER 6" MINIMUM OF COMPACTED GRANULAR FILL UON ON THE DRAWINGS.

6.) COMPACTED GRANULAR FILL SHALL CONSIST OF BROKEN OR CRUSHED STONE, OR BANK OR CRUSHED GRAVEL AND SHALL CONSIST OF SOUND, TOUGH DURABLE PARTICLES FREE FROM SOFT, THIN, ELONGATED OR LAMINATED PIECES AND FREE OF MUD, DIRT, VEGETATIVE OR OTHER DELETERIOUS SUBSTANCES GRADED AS FOLLOWS:

SQUARE MESH SIZE:	PERCENT PASSING BY WEIGHT:
PASS 3"	100
PASS #40	10-70
PASS #200	0-11

7.) THE COMPACTION EFFORT, WHERE REQUIRED, SHALL BE INSPECTED BY THE OWNER'S GEOTECHNICAL ENGINEER. MATERIAL REQUIRING COMPACTION SHALL BE PLACED IN MAXIMUM 8" LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE COMPACTED WITH APPROPRIATE EQUIPMENT TO A MINIMUM OF 95 % OF ITS MAXIMUM DENSITY AT OR NEAR OPTIMUM MOISTURE. THE OWNER'S GEOTECHNICAL ENGINEER SHALL TEST THE MATERIAL BEFORE AND AFTER COMPACTION FOR CONFORMANCE WITH THE SPECIFICATIONS. NO LIFTS SHALL BE PLACED WHEN WEATHER CONDITIONS ARE SUCH THAT THE MOISTURE CONTENT OF THE MATERIAL CANNOT BE PROPERLY CONTROLLED. IN PLACING OR COMPACTING MATERIAL, DO NOT DAMAGE NOR DISPLACE CONCRETE WORK ALREADY IN PLACE BY CONTACT WITH COMPACTION MACHINERY.

8.) ALL SOIL SURROUNDING AND UNDER NEW AND EXISTING FOUNDATIONS SHALL REMAIN "UNDISTURBED" THROUGHOUT THE COURSE OF CONSTRUCTION.

9.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIMITING POURS TO MINIMIZE SHRINKAGE CRACKING. WALL CONTRACTION AND/OR CONSTRUCTION JOINTS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 40'-0". SLAB CONTRACTION AND/OR CONSTRUCTION JOINTS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 15'-0". THE LOCATION AND CONFIGURATION OF JOINTS EXPOSED TO VIEW SHALL BE COORDINATED WITH THE ARCHITECT.

10.) CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, OPENINGS, ANCHOR BOLTS, ETC. AS REQUIRED FOR THE BUILDING STRUCTURE AND FOR THE WORK OF OTHER TRADES BEFORE SETTING FORMS. COORDINATE ALL REQUIREMENTS WITH THE ARCHITECTURAL AND M/E/P DRAWINGS.

11.) VERTICAL CONSTRUCTION JOINTS IN WALLS SHALL BE USED ONLY WHEN UNAVOIDABLE AND SHALL BE LOCATED A MINIMUM 6'-0" FROM ANY SUPPORTING PIER OR BUTTRESS, EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. NO HORIZONTAL CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS WILL BE ALLOWED.

12.) THE CONTRACTOR SHALL EMPLOY ALL NECESSARY MEASURES TO SAFEGUARD THE STRUCTURAL INTEGRITY OF ADJACENT STRUCTURES DURING EXCAVATION AND CONSTRUCTION OF NEW FOUNDATIONS.

13.) ALL EXISTING CONDITIONS DEPICTED ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OTHERS. ANY UNUSUAL CONDITIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.

14.) AT NO TIME SHALL BULLDOZERS, TRUCKS OR OTHER HEAVY CONSTRUCTION EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" TO ANY FOUNDATION WALL.

15.) ALL EXCAVATIONS SHALL CONFORM TO THE BUILDING CODE OF THE STATE OF NEW YORK AND TO ALL OSHA REQUIREMENTS REGARDING THE BRACING, SHEETING, SHORING, ETC.

16.) ALL EXISTING FOUNDATIONS WERE DESIGNED AND CONSTRUCTED BY OTHERS.

CONCRETE:

1.) ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE ACI BUILDING CODE (ACI 318), THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).

2.) ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE ACI DETAILING MANUAL SP-66 (LATEST REVISION)

3.) MINIMUM COMPRESSIVE STRENGTH (f'c)

FOUNDATIONS 4000 PSI

4.) THE FOLLOWING MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE PROVIDED:

FOOTINGS.......................................3"

5.) CONCRETE SLUMP SHALL BE MEASURED IN ACCORDANCE WITH ASTM C143.

6.) ALL NON-SHRINK GROUT SHALL BE OF NON-SHRINKAGE TYPE WITH A MINIMUM COMPRESSIVE STRENGTH OF 7,500 PSI AT 28 DAYS.

7.) NO WELDING OF REINFORCING WILL BE PERMITTED.

8.) ALL CONCRETE FORMWORK SHALL REMAIN IN PLACE FOR A MINIMUM 7 DAYS AND CONFORM TO ACI HOT AND COLD WEATHER CONCRETING REQUIREMENTS AS NECESSARY.

9.) ALL REINFORCING BARS SHALL BE SECURELY HELD IN PLACE WHILE POURING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE FURNISHED BY THE CONTRACTOR TO PROVIDE PROPER SUPPORT FOR ALL BARS.

10.) ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH STEEL CONFORMING TO ASTM DESIGNATION OF 615 GRADE 60 WELDED WIRE FABRIC (WWF) AND SHALL COMPLY WITH ASTM A 185.

11.) LAP ALL BARS MINIMUM 48 DIAMETERS UNLESS OTHERWISE NOTED ON DRAWINGS. LAP ALL WWF A MINIMUM OF 12 INCHES (UNLESS OTHERWISE NOTED).

12.) ALL MECHANICAL COUPLERS SHALL DEVELOP 1.25 fy OF REBAR IN TENSION OR COMPRESSION AND COMPLY WITH ACI 318.

13.) THE NEW CONCRETE SLABS SHALL BE PROTECTED FROM LOSS OF SURFACE MOISTURE FOR NOT LESS THAN 7 DAYS BY USING A CURING COMPOUND CONFORMING TO ASTM C309 OR BY WE BURLAP OR A PLASTIC MEMBRANE. CURING SHALL BE IN ACCORDANCE WITH ACI SPECIFICATIONS.

14.) DOWELS FROM FOUNDATIONS OR SLABS TO WALLS SHALL MATCH WALL REINFORCING, UNLESS OTHERWISE NOTED. DOWELS SHALL BE PLACED BEFORE CONCRETE IS POURED. THEY SHALL NOT BE PUSHED INTO THE CONCRETE.

15.) PROVIDE 3/4" CHAMFER AT ALL EXPOSED CORNERS OF BEAMS, WALL, ETC.

STRUCTURAL STEEL

1.) ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED (UON) SHALL BE AS FOLLOWS:

W-SHAPES..........	ASTM A992, Fy = 50 KSI
OTHER SHAPES & PLATES..........	ASTM A36, Fy = 36KSI
HSS SQUARE & RECTANGULAR SHAPES..........	ASTM A500, GR B, Fy = 46 KSI
HSS ROUND SHAPES..........	ASTM A500, GR B, Fy = 42 KSI
STEEL PIPES..........	ASTM A53, GR B, Fy = 35 KSI
HIGH STRENGTH BOLTS..........	3/4" Ø, A325 (FRICTION TYPE)
ANCHOR RODS..........	ASTM F1554, Fy = 36 KSI
WELDED STUDS..........	ASTM A108

2.) ALL WELDING SHALL BE PERFORMED USING THE SUBMERGED ARC PROCESS USING E70XX ELECTRODES. ALL WELDS SHALL CONFORM TO THE LATEST EDITION OF AWS.

3.) WHERE STEEL MEMBERS ARE REQUIRED TO BE SPLICED, THE SPLICE SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE SECTION. SUCH SPLICES SHALL NOT INTERFERE WITH ANY ARCHITECTURAL OR MECHANICAL CLEARANCES. SPLICE DETAILS AND LOCATIONS SHALL BE SHOWN ON THE SHOP DRAWINGS.

4.) ALL BEAM TO BEAM OR BEAM TO COLUMN CONNECTIONS SHALL BE EQUAL TO THOSE SHOWN IN THE AISC MANUAL OF STEEL CONSTRUCTION IF THE REACTION VALUES OR DETAILS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS BEAM REACTIONS ON PLANS ARE TO BE ASSUMED EQUAL AT EACH END UON. IF NO BEAM REACTIONS ARE GIVEN ON PLANS, THE CONNECTIONS SHALL BE SELECTED TO HAVE A MINIMUM VALUE OF 60% OF THE TOTAL UNIFORM LOAD ON BEAMS, AND 80% OF THE TOTAL UNIFORM LOAD ON COMPOSITE BEAMS FOR THE GIVEN SHAPE, SPAN AND STEEL SPECIFICATION FOR THE BEAM IN QUESTION. THE EFFECT OF CONCENTRATED LOADS NEAR AN END CONNECTION SHALL BE CONSIDERED. ALL CONNECTIONS MUST DEVELOP REACTIONS WHERE GIVEN ON FRAMING PLANS IF THESE EXCEED THE ABOVE REQUIREMENTS.

5.) ALL STRUCTURAL STEEL BEAMS AND COLUMNS ADJACENT TO MASONRY SHALL HAVE 1-1/2" x 1/8" STRAP ANCHORS AT 1'-4" OC MAXIMUM OR THE EQUIVALENT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

6.) PROVIDE LINTEL ANGLES AS REQUIRED FOR OPENINGS AND RECESSES SHOWN ON ARCHITECTURAL AND MECHANICAL DRAWINGS IN ACCORDANCE WITH THE LINTEL SCHEDULE. PROVIDE A MINIMUM OF 6" BEARING EACH END FOR ALL LOOSE LINTELS UNLESS OTHERWISE NOTED (UON) LENGTH OF HUN LINTELS SHALL BE 1/2" LESS THAN MASONRY OPENING.

A.) UNLESS OTHERWISE NOTED, PROVIDE STEEL LINTELS OVER OPENINGS AND RECESSES IN MASONRY WALL AS FOLLOWS.

1. ONE ANGLE 4" x 3-1/2" x 5/16" (S.L.O.) FOR SPANS 3'-11" OR LESS AND ONE ANGLE 5" x 3-1/2" x 3/8" (S.L.O.) FOR SPANS FROM 4'-0" TO 6'-8" FOR EACH 4" THICKNESS OF WALL.

2. FOR 6" BLOCK WALLS PROVIDE TWO ANGLES 3-1/2" x 2-1/2" x 5/16" FOR SPANS FROM 4'-0" TO 6'-8".

B.) ALL LINTELS (INCLUDING SHELF ANGLES AND PLATES) EXPOSED TO WEATHER SHALL BE GALVANIZED.

7.) REFER TO THE ARCHITECTURAL & M/E/P DRAWINGS FOR OTHER MISC. STEEL. CONTRACTOR SHALL INCLUDE AN ALLOWANCE OF 3% OF OVERALL STEEL ESTIMATE FOR ADDITIONAL MISC. STEEL.

8.) PENETRATIONS THROUGH STRUCTURAL STEEL MEMBERS WILL NOT BE ALLOWED UNLESS INDICATED ON STRUCTURAL DRAWINGS OR PREVIOUSLY REVIEWED AND APPROVED.

9.) CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY GUYING AND BRACING ALL STRUCTURAL STEEL TO MAINTAIN SAFETY, STABILITY AND ALIGNMENT DURING ALL PHASES OF CONSTRUCTION, AND SPECIFICALLY, DURING CONCRETE OPERATIONS. GUYING AND BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE HAS ATTAINED ADEQUATE STRENGTH.

10.) THE STEEL FABRICATOR AND ERECTOR SHALL BE AISC CERTIFIED FOR STEEL STRUCTURES AND COMPLY WITH THE APPLICABLE PROVISIONS OF AISC'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

11.) ALL STEEL AND CONNECTIONS SHALL BE GALVANIZED.

HELICAL SCREW PILE SPECIFICATION:

1.) HELICAL PIERS SHALL BE MANUFACTURED BY THE A.B. CHANCE CO., CENTRALIA, MO.

2.) PIERS SHALL BE INSTALLED BY AN AUTHORIZED A.B. CHANCE INSTALLING CONTRACTOR WHO HAS SATISFIED THE CERTIFICATION REQUIREMENTS RELATING TO THE TECHNICAL ASPECTS OF THE PRODUCT AND THE ASCRIBED INSTALLATION TECHNIQUES. PROOF OF CURRENT CERTIFICATION BY THE A.B. CHANCE CO. MUST BE PROVIDED.

3.) ALL WORK AS DESCRIBED HEREIN SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES IN EFFECT AT THE TIME OF INSTALLATION.

4.) HELICAL PIERS AS SPECIFIED SHALL CONFORM TO EITHER THE SBCI-STANDARD BUILDING CODE, BOCA NATIONAL CODE, OR ICBO-UNIFORM BUILDING CODE. AN OFFICIAL EVALUATION REPORT WITH ASSIGNED NUMBER SHALL BE PRESENTED UPON REQUEST TO THE OWNER AND / OR THEIR REPRESENTATIVE SBCCI-9504B; BOCA-RR94-27; ICBO-ER-5110.

5.) THE HELICAL LEAD SECTIONS AND EXTENSION SECTIONS SHALL BE SOLID STEEL, ROUND CORNERED SQUARE SHAFT, OR ROUND STEEL PIPE SHAFT, OR COMPOSITE STEEL AND GROUT SHAFT CONFIGURED WITH ONE OR MORE HELICAL BEARING PLATES WELDED TO THE SHAFT.

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

"FOR BID"

6.) ALL PIERS MUST BE CORROSION PROTECTED BY HOT DIP GALVANIZATION.

7.) INSTALLATION UNITS SHALL CONSIST OF A ROTARY TYPE TORQUE MOTOR WITH FORWARD AND REVERSE CAPABILITIES. THESE UNITS ARE TYPICALLY POWERED.

8.) INSTALLATION UNITS SHALL BE CAPABLE OF DEVELOPING THE MINIMUM TORQUE AS REQ'D.

9.) INSTALLATION UNITS SHALL BE CAPABLE OF POSITIONING THE HELICAL PIER AT THE PROPER INSTALLATION ANGLE. THIS ANGLE MAY VARY BETWEEN VERTICAL AND 5 DEGREES DEPENDING UPON APPLICATION AND TYPE OF LOAD TRANSFER DEVICE SPECIFIED OR REQUIRED.

10.) INSTALLATION TORQUE SHALL BE MONITORED THROUGHOUT THE INSTALLATION PROCESS.

11.) HELICAL PIERS SHALL BE INSTALLED TO THE MINIMUM TORQUE VALUE REQUIRED TO PROVIDE THE LOAD CAPACITIES SHOWN ON THE PLANS.

12.) THE APPROPRIATE STEEL NEW CONSTRUCTION LOAD TRANSFER DEVICE SHALL BE USED.

13.) APPROPRIATE HELICAL PIER SELECTION WILL CONSIDER DESIGN LOAD PLUS SAFETY FACTOR SOIL PARAMETERS AND THE INSTALLATION TORQUE VS. CAPACITY EQUATION AS PER THE MANUFACTURERS RECOMMENDATIONS.

14.) BASED ON THE SOIL PROFILE, EVERY ATTEMPT SHALL BE MADE TO ACHIEVE THE REQUIRED TORQUE IN THE UPPER 10' OF SOIL.

SPECIAL INSPECTIONS:

1.) SPECIAL INSPECTORS AND TESTING LABORATORY SERVICES SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S REPRESENTATIVES PER THE REQUIREMENTS OF THE IBC OR THE BUILDING CODE OF NEW YORK STATE, SECTION 1704, AS ACCEPTED AND MODIFIED BY THE BUILDING CODE OFFICIAL HAVING JURISDICTION ON THIS PROJECT.

2.) SHOP INSPECTION OF FABRICATED ITEMS AS REQUIRED BY SECTION 1704.2

3.) FIELD INSPECTION OF STRUCTURAL STEEL, HIGH-STENGTH BOLTING, WELDING, AND LATERAL LOAD RESISTING MOMENT CONNECTIONS AS REQUIRED BY SECTION 1704.3

4.) CONCRETE CONSTRUCTION INCLUDING CONCRETE MIX DESIGNS, CONCRETE ADDITIVES, FORMWORK, REINFORCING SIZES AND PLACEMENT AS REQUIRED BY SECTIONS 1704.4

5.) MASONRY CONSTRUCTION AS REQUIRED BY SECTION 1704.5. SPECIAL ATTENTION IS DIRECTED TO REQUIRED MASONRY SHEAR WALLS FOR THIS PROJECT.

6.) PREPARED FILL INCLUDING UNDERLYING MATERIALS ON SITE, PLACEMENT AND COMPACTION OF FILL MATERIALS IN SPECIFIED MAXIMUM LIFTS, AND IN-PLACE DENSITY OF COMPACTED FILL PER THE GEOTECHNICAL RECOMMENDATIONS AND AS REQUIRED BY SECTION 1704.7.

7.) COMPONENT AND ATTACHMENT INSPECTIONS AND TESTING AS REQUIRED BY SECTION 1708.

EXISTING CONSTRUCTION:

1.) PRIOR TO PROCEEDING WITH ANY WORK WITHIN THE EXISTING STRUCTURE, THE CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND PROTECT PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

2.) THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK WITH THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.

3.) WELDING TO AND WITHIN AN EXISTING FACILITY PRESENTS POTENTIAL HAZARDS. TO PREVENT FIRE HAZARDS, PROTECT EXISTING COMBUSTIBLES PRIOR TO WELDING. TO PREVENT STRUCTURAL LIQUEFACTION, WELD IN SMALL INCREMENTS AND ALL WELDS TO HARDEN BEFORE CONTINUING TO NEXT INCREMENT.

4.) EXISTING INFORMATION SHOWN ON THE DRAWINGS ARE SHOWN FOR REFERENCE ONLY AND ARE BASED ON EXISTING DRAWINGS AND INFORMATION PROVIDED FOR OUR USE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.

5.) CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHORING NECESSARY TO SAFEGUARD THE EXISTING STRUCTURE. ANY SHORING SHOWN ON THE DRAWINGS IS ONLY A SCHEMATIC REPRESENTATION OF THAT REQUIRED. THE CONTRACTOR SHALL SUBMIT DETAILED DESIGNS FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. ALL SUBMITTED SHORING DESIGNS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE AND SHALL BE SUBMITTED FOR EXAMINATION TO THE ENGINEER.

No.	DATE	ISSUE FOR:
1	7/18/2011	BID SET REVIEW
2	8/26/2011	BIDS
3	7/31/2012	REVIEW & BID
4	9/27/2012	REVIEW & BID
5	2/12/2012	BIDS

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

⊗

P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

ENGINEER'S SEAL AND SIGNATURE

PROJECT

STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL SITE PLAN - WEST END

SCALE AS NOTED

S.100

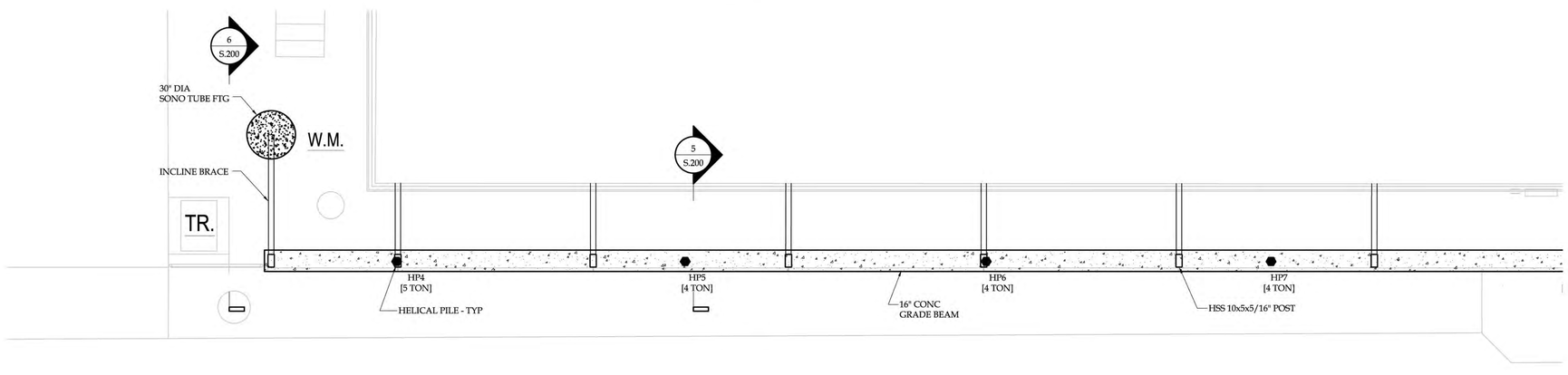
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

"FOR BID"

No.	DATE	ISSUE FOR
1	7/18/2011	BID SET REVIEW
2	8/26/2011	BID
3	7/20/2012	REVIEW & BID
4	8/27/2012	REVIEW & BID
5	2/12/2012	BID

1 S-101 OMITTED
1/4" = 1'-0"

2 S-101 OMITTED
1/4" = 1'-0"



3 S-101 PARTIAL GREEN SCREEN FOUNDATION
1/4" = 1'-0"

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

ENGINEER'S SEAL AND SIGNATURE

PROJECT

STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL GREEN SCREEN FOUNDATION

SCALE AS NOTED

S.101

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

"FOR BID"

No.	DATE	ISSUE FOR
1	7/18/2017	BID SET REVIEW
2	8/28/2017	BID SET
3	10/26/2017	REVISED & BID
4	8/27/2018	REVISED & BID
5	2/13/2019	BID

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

⊗

P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

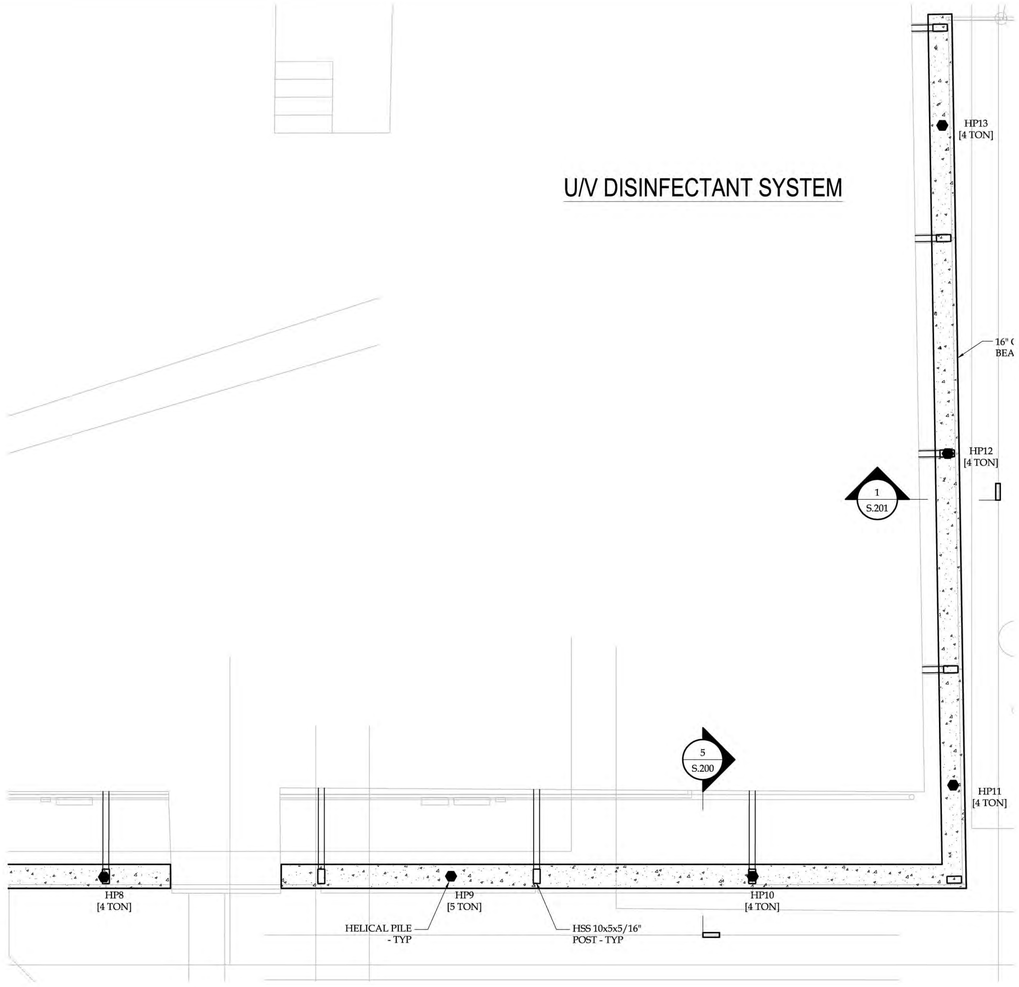
ENGINEER'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

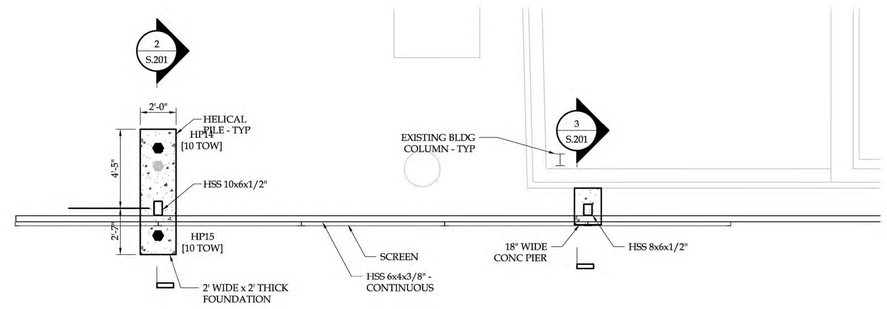
PARTIAL GREEN SCREEN FOUNDATION

SCALE: AS NOTED

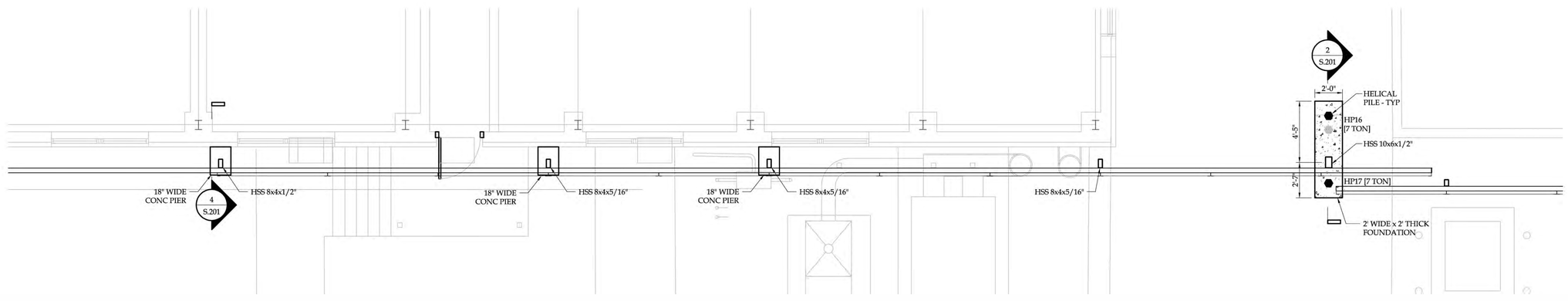
S.102



1 S-102 PARTIAL GREEN SCREEN FOUNDATION
1/4" = 1'-0"



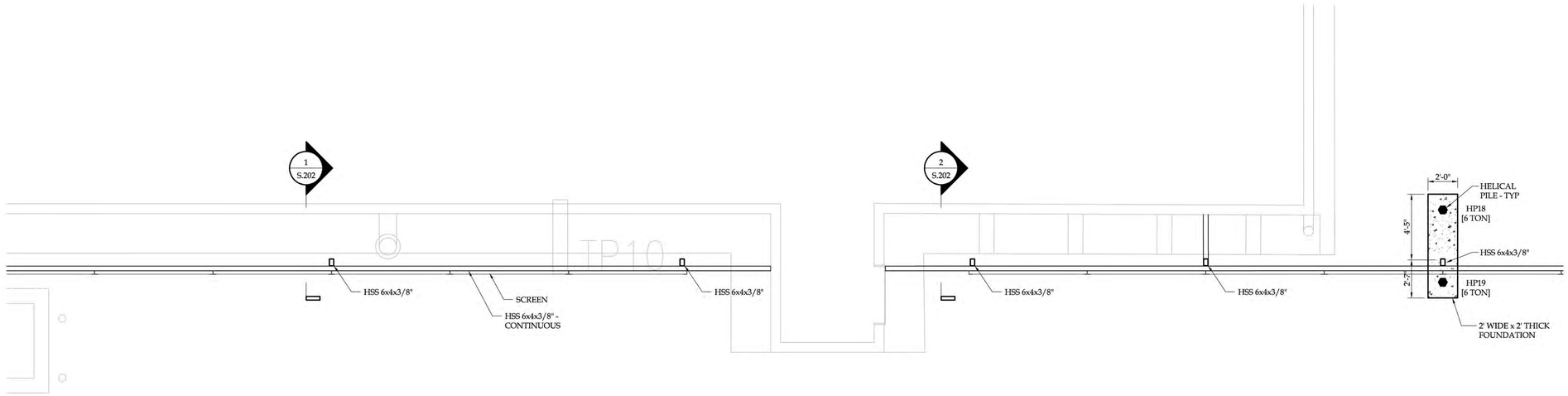
2 S-102 PARTIAL GREEN SCREEN FOUNDATION
1/4" = 1'-0"



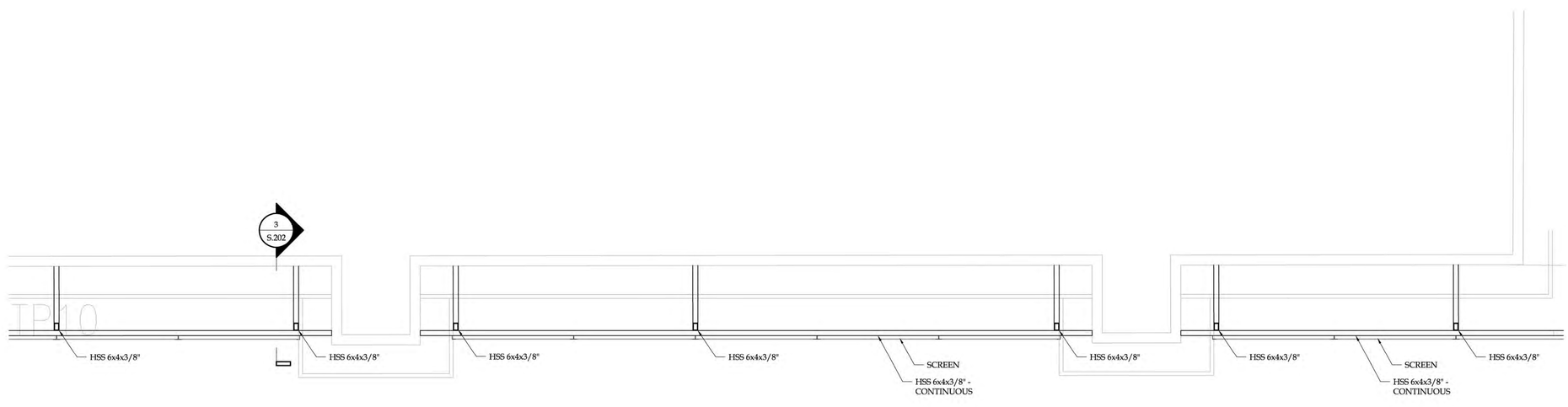
3 S-102 BUILDING GREEN SCREEN FOUNDATION
1/4" = 1'-0"

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

"FOR BID"



1 S-103 PARTIAL GREEN SCREEN FOUNDATION
1/4" = 1'-0"



2 S-103 PARTIAL GREEN SCREEN FOUNDATION
1/4" = 1'-0"

No.	DATE	ISSUE FOR
1	7/18/2011	BID SET REVIEW
2	8/26/2011	BID
3	7/27/2012	REVIEW & BID
4	8/27/2012	REVIEW & BID
5	2/12/2012	BID

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

ENGINEER'S SEAL AND SIGNATURE

PROJECT

STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL GREEN SCREEN FOUNDATION

SCALE AS NOTED

S.103

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

"FOR BID"

No.	DATE	ISSUE FOR
1	7/18/07	BID SET REVIEW
2	12/18/07	BID SET
3	3/20/07	REVISIONS & BID
4	6/27/07	REVISIONS & BID
5	2/13/07	BIDS

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

⊗

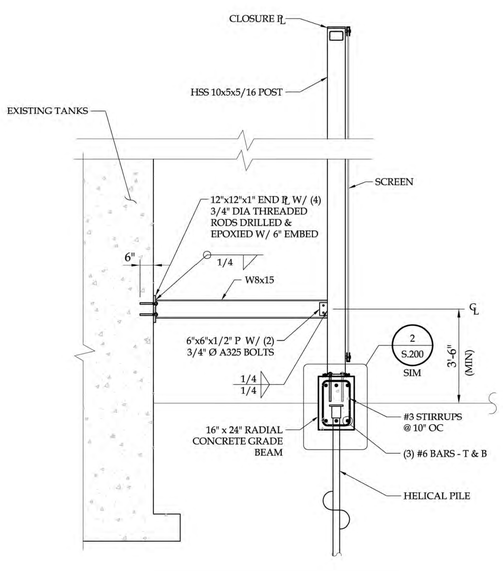
P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

3 / S-200 ENTRANCE SCREEN – SECTION
3/4" = 1'-0"

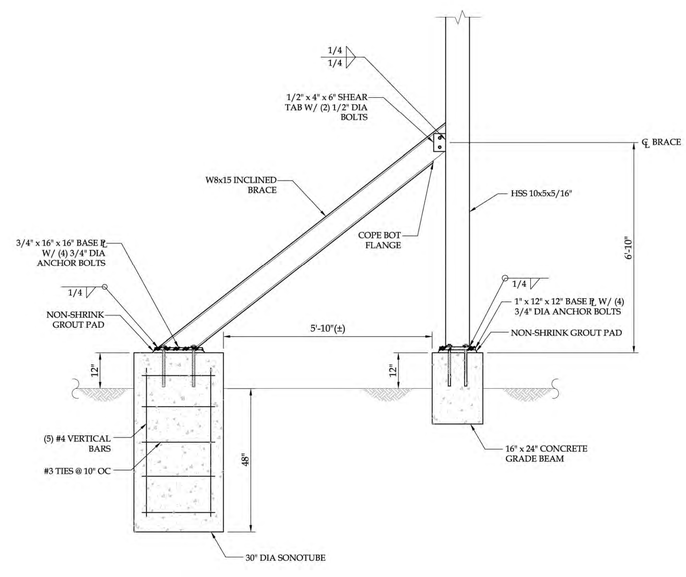
1 / S-200 OMITTED
1/4" = 1'-0"

2 / S-200 OMITTED
3/4" = 1'-0"

4 / S-200 OMITTED
3/4" = 1'-0"



5 / S-200 SECTION @ G.S. GRADE BEAM
3/8" = 1'-0"



6 / S-200 SECTION @ G.S. GRADE BEAM
1/2" = 1'-0"

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

ENGINEER'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL GREEN SCREEN FOUNDATION

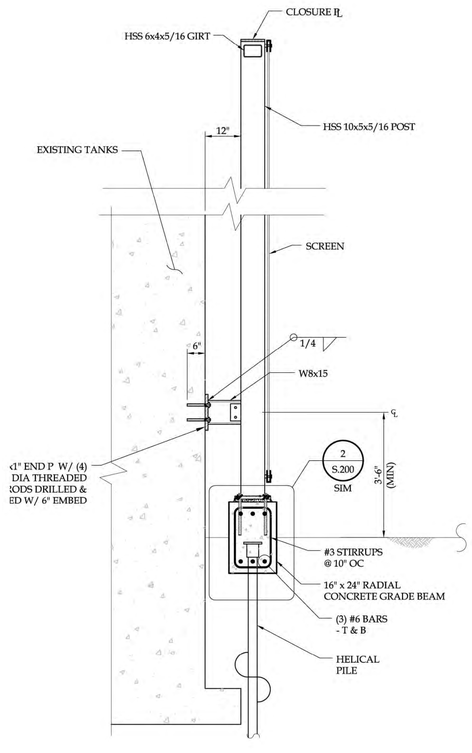
SCALE AS NOTED

S.200

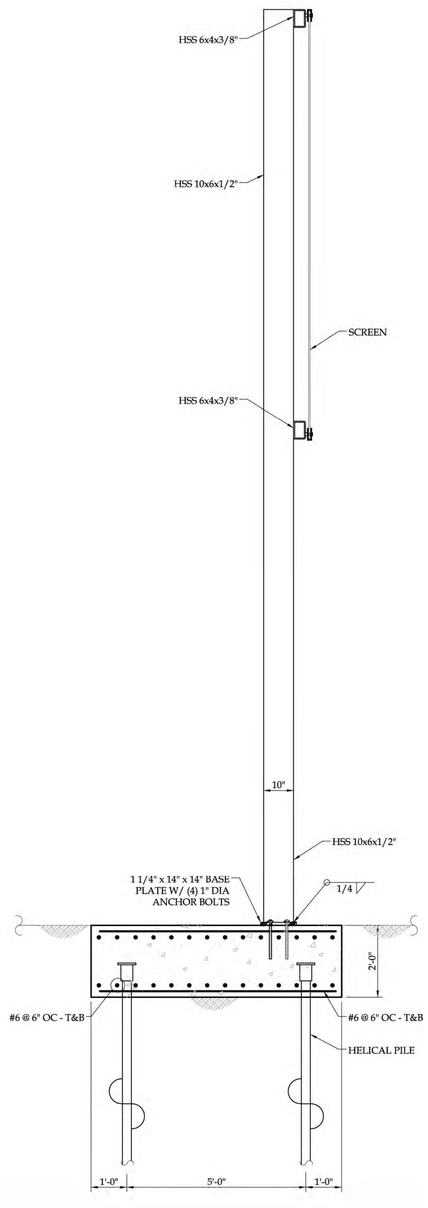
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

"FOR BID"

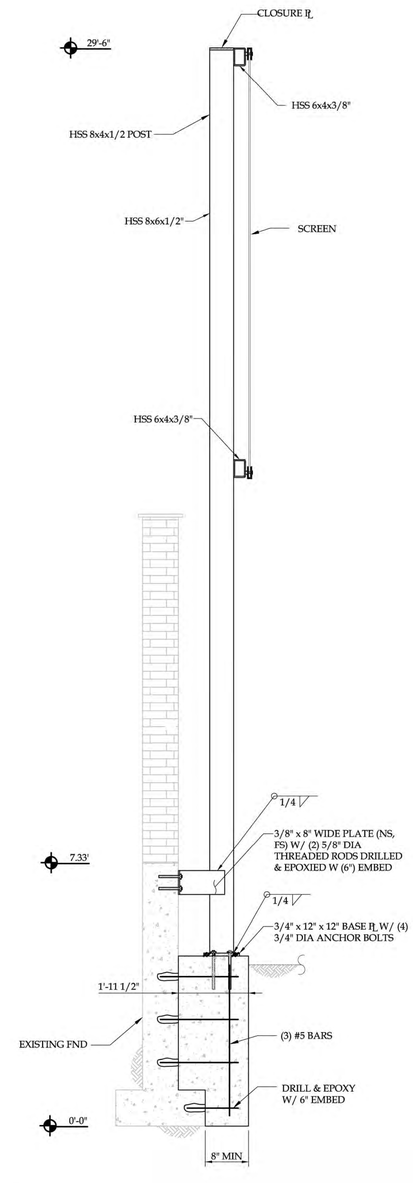
No.	DATE	ISSUE FOR:
1	7/18/2021	BID SET REVIEW
2	8/26/2021	BID & NEC
3	10/29/2021	REVISED & BID
4	8/27/2021	REVISED & BID
5	2/13/2023	BIDS



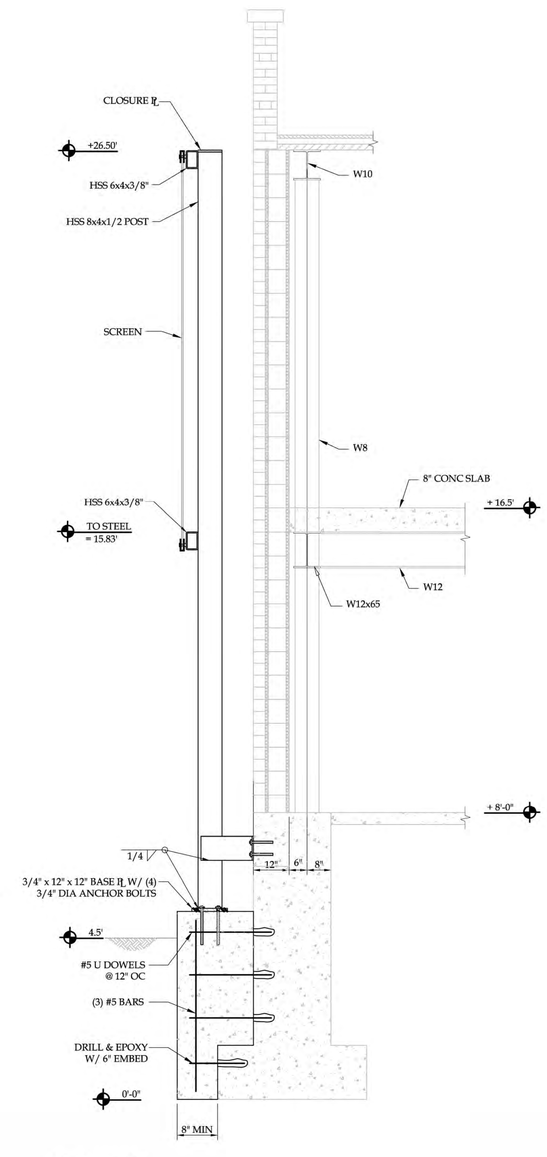
1 S-201 SECTION
1/2" = 1'-0"



2 S-201 SECTION
1/2" = 1'-0"



3 S-201 SECTION
1/2" = 1'-0"



4 S-201 SECTION
1/2" = 1'-0"

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

⊗

P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

ENGINEER'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

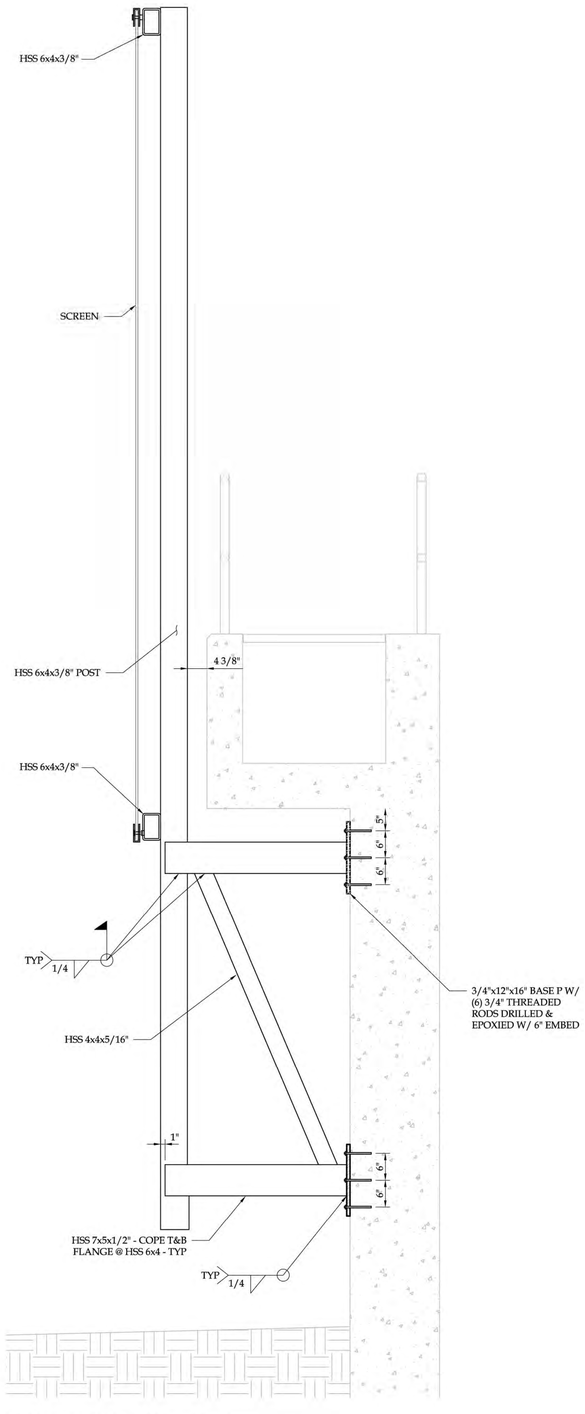
PARTIAL GREEN SCREEN FOUNDATION

SCALE AS NOTED

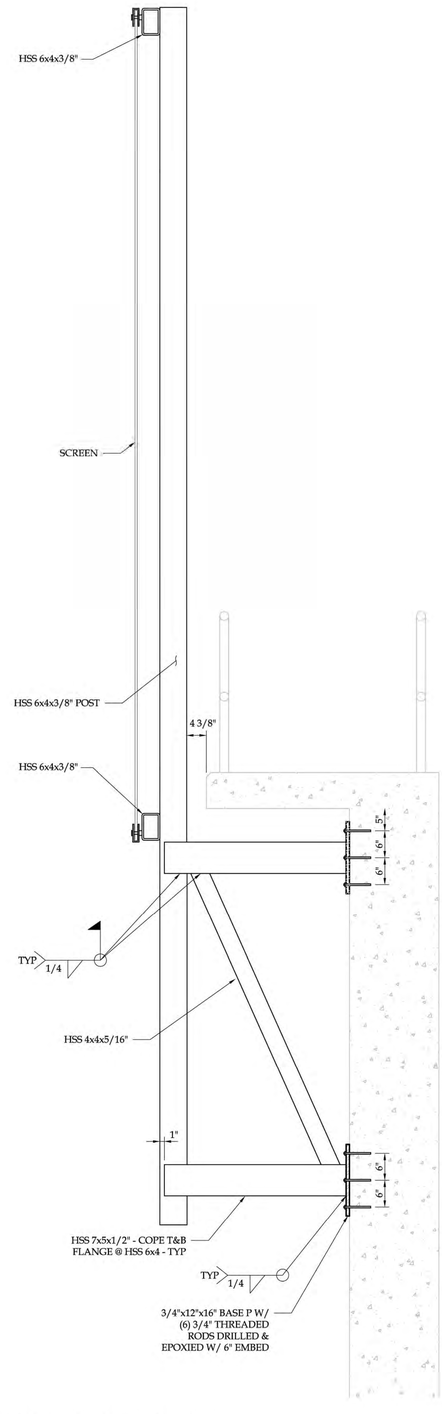
S.201

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

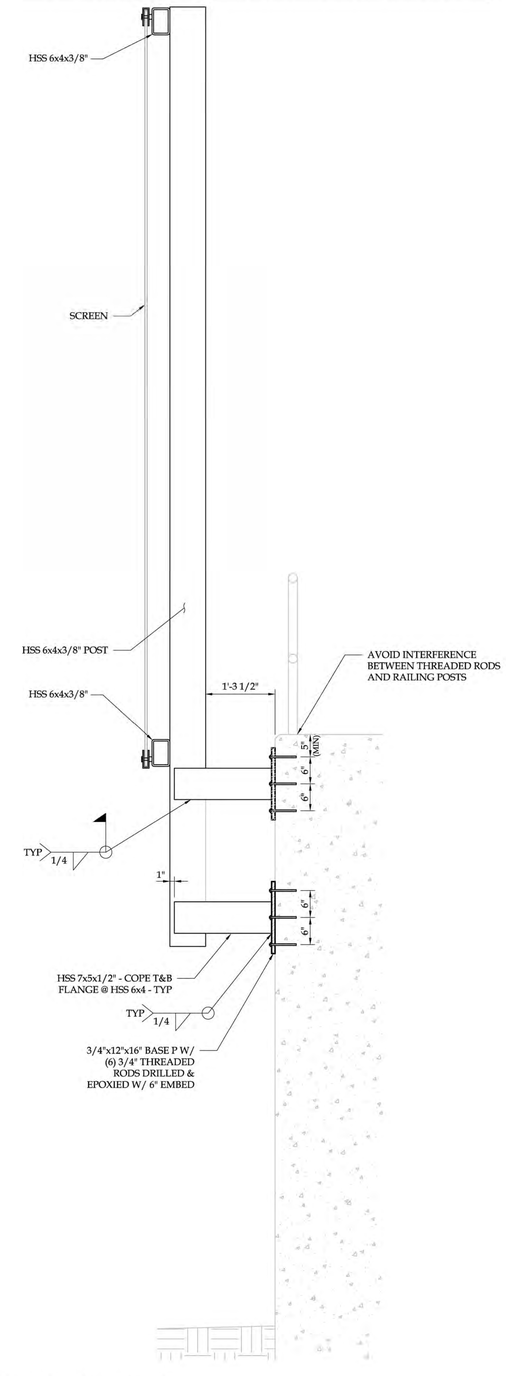
"FOR BID"



1 S-202 SCREEN AT SECONDARY TANK
3/4" = 1'-0"



2 S-202 SCREEN AT SECONDARY TANK
3/4" = 1'-0"



3 S-202 SCREEN AT SECONDARY TANK
3/4" = 1'-0"

No.	DATE	ISSUE FOR
1	7/18/2011	BID SET REVIEW
2	10/26/2011	BID
3	12/20/2012	REVIEW & BID
4	8/27/2012	REVIEW & BID
5	2/12/2013	BID

PREPARED BY:

CONNOLLY ENGINEERING, PLLC

36 Grist Mill Lane
Pleasant Valley, NY 12569
845.635.1444
845.635.9470 fax

P.O. Box 1116
Millbrook, NY 12545
845.677.6768
www.connollyengineering.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

ENGINEER'S SEAL AND SIGNATURE

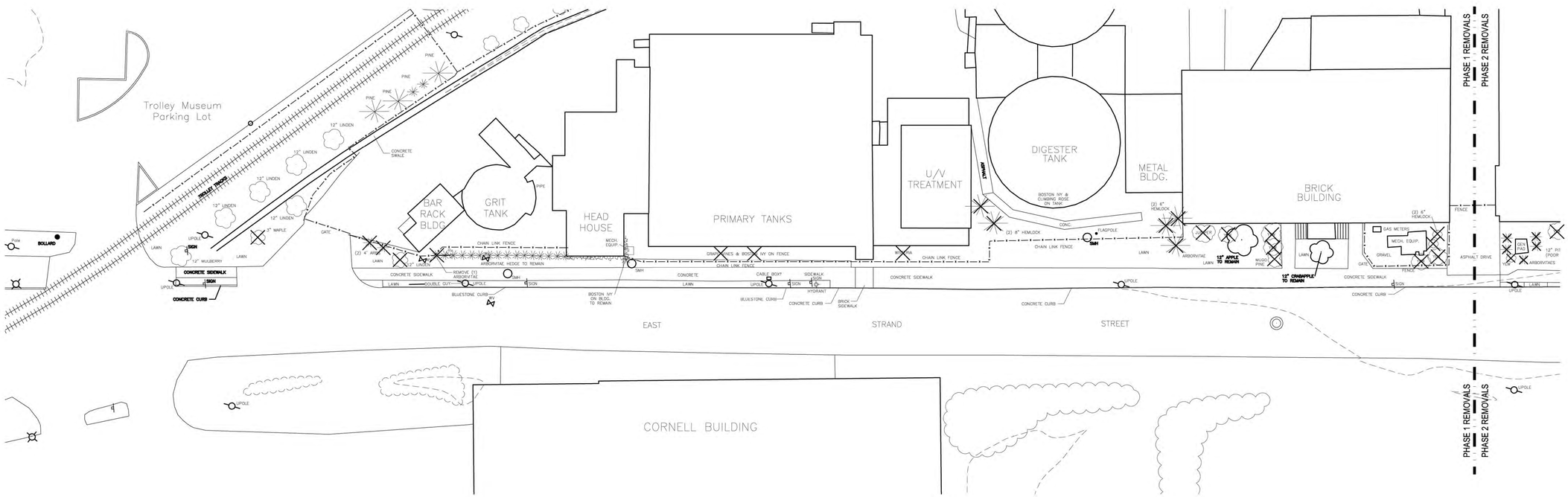
PROJECT

STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL GREEN SCREEN FOUNDATION

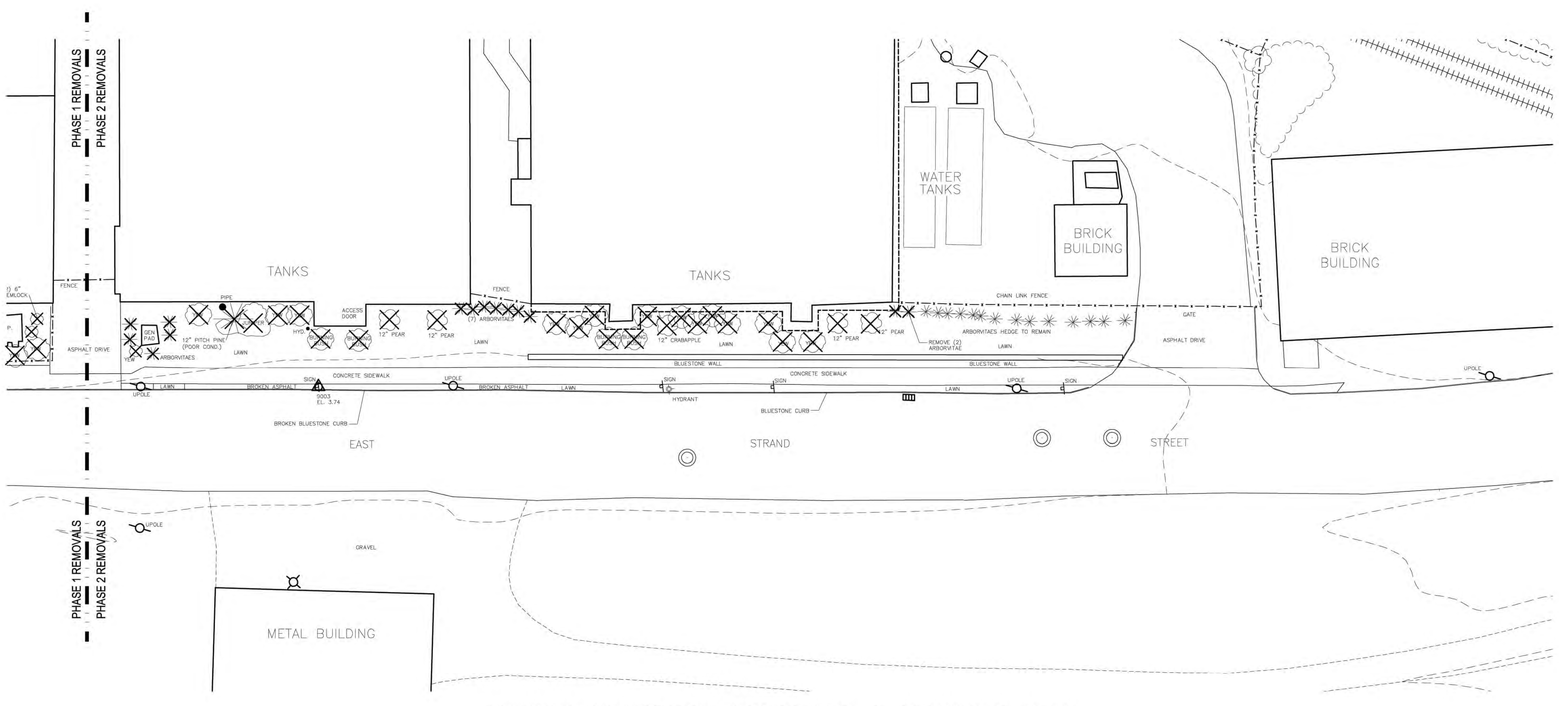
SCALE AS NOTED

S.202



EXISTING VEGETATION CONDITIONS & REMOVALS PLAN

SCALE: 1" = 20'



EXISTING VEGETATION CONDITIONS & REMOVALS PLAN

LEGEND

- Existing Structure
- Existing Tree
- Existing Shrub
- Existing plant to be removed

General Notes:

1. The existing conditions shown hereon were taken from a Survey entitled "Map of lands of The City of Kingston East Strand Street" dated June 11, 2009 prepared by Brinnier & Larios, PC 67 Maiden Lane Kingston, NY.

Underground Utility Notes:

1. The contractor is hereby notified that major underground utilities exist at the site. Verification and field marking of location of existing utilities is required prior to commencement of any work and is the responsibility of the contractor.
2. It is the responsibility of the contractor to verify the accuracy of all existing utility information.
3. Any damage or disturbance to existing utilities caused by the removal of vegetation during the duration of the contract is to be repaired and/or replaced "in kind" by the contractor at his own expense.

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	ISSUE FOR
1	7/16/2012	DOS SITE REVIEW
2	10/22/2012	REVISED
3	11/13/2012	REVISED & BID
4	12/27/2012	REVISED & BID
5	2/14/2013	BIDS

© 2011 GUARDIA ARCHITECTS

LANDSCAPE DESIGN BY:

taconic
site design & landscape architecture
99 ROSSWAY ROAD
PLEASANT VALLEY, NY 12569
845.489.5401
www.TaconicSiteDesign.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

LANDSCAPE ARCHITECT'S SEAL AND SIGNATURE

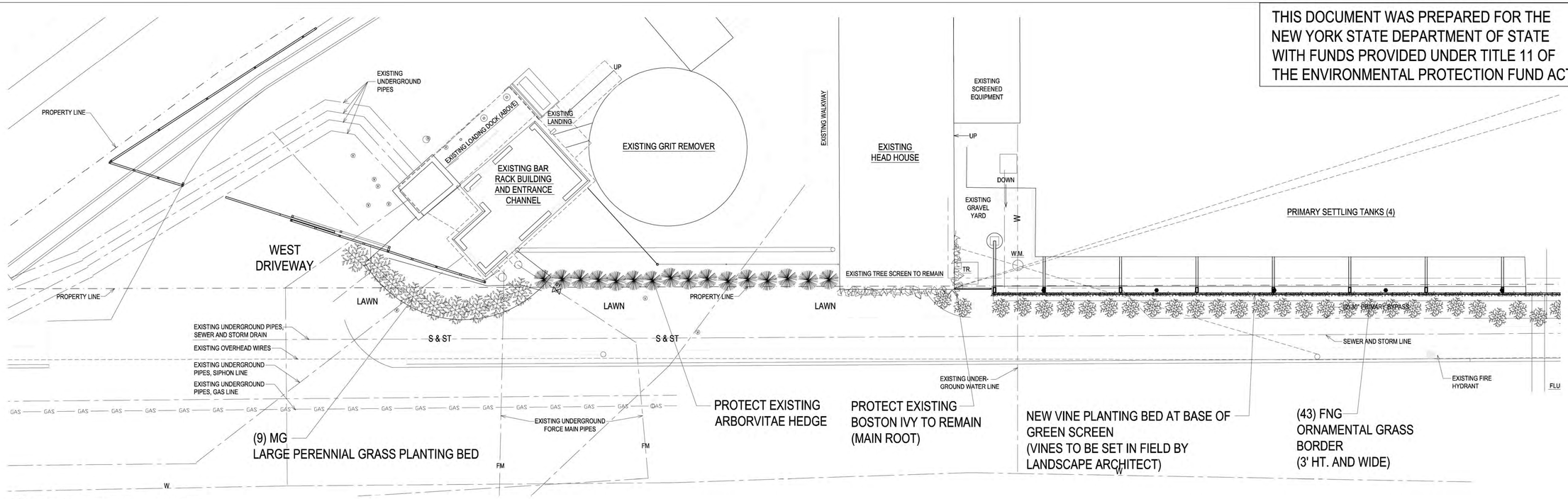
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

VEGETATION REMOVALS PLAN

SCALE AS NOTED

L-100.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A101 PARTIAL SITE PLAN – WEST END
1/8" = 1'-0"

2 A101 PARTIAL ELEVATION – WEST END
1/8" = 1'-0"

Planting Notes:

1. All plant materials to be nursery grown.
2. Plants shall conform with the American Association of Nurserymen Standards in all ways including dimensions.
3. All plants shall be installed in locations designated on the plan as staked in the field by Landscape Architect.
4. All plants shall be hardy under climate conditions similar to those in the locality which they are to be planted.
5. 4" of Dark Brown Pine Bark Mulch shall be spread over all planting beds areas.
6. All proposed landscaped areas to receive 12" min. depth of soil amendment.
7. Contractor shall import screened topsoil, if and when necessary to complete the spreading of topsoil in accordance with Planting Note #6.
8. See Drawing L-500 for planting details.

PLANT SCHEDULE

PHASE 1 - WEST DRIVEWAY TO ADMINISTRATION BUILDING DRIVEWAY

Key	Qty	Latin Name	Common Name	Size	Comments
Trees, Shurbs and Grasses					
BRM	1	Acer rubrum 'Bowhall'	Bowhall Red Maple	14" - 16' Ht., 4" Cal., B&B	Straight trunk, Well branched top
DOG	1	Cornus florida 'Cloud 9'	Cloud 9 Flowering Dogwood	10" - 12' Ht., B&B	Heavy, Symmetrical, Full to ground
FG	18	Fothergilla gardenii 'Mt. Airy'	Mt Airy Dwarf Fothergilla	2' Ht., B&B	Heavy, Symm
HG	20	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire	2' - 2.5' Ht., B&B	Heavy, Symm
FNG	61	Pennisetum alopecuroides	Fountain Grass	#5 can	Heavy, Symm
MG	9	Miscanthus sinensis	Maiden Grass	#5 can	Heavy, Symm
WEG	18	Weigela florida 'Wine & Roses	Wine & Roses Weigela	3' Ht., B&B	Heavy, Symm
VIB-1	10	Viburnum dentatum 'Blue Muffin'	Blue Muffin Arrowwood	3' - 4' Ht., B&B	Heavy, Symm
Vines					
DP	4	Aristolochia macrophylla	Dutchman's Pipe	#3 can	Heavy
BTV	8	Campsis radicans 'Mondaf'	Balboa Trumpet Creeper Vine	#3 can	Heavy
YTV	8	Campsis radicans 'Flava'	Yellow Trumpet Creeper Vine	#3 can	Heavy
JC	4	Clematis x 'Jackmanii'	Jackman Clematis	#3 can	Heavy
SAC	4	Clematis paniculata	Sweet Autumn Clematis	#3 can	Heavy
BAC	4	Clematis viticolla 'Blue Angel'	Blue Angel Clematis	#3 can	Heavy
CH	7	Hydrangea anomala petiolaris	Climbing Hydrangea	#3 can	Heavy
DSH	4	Lonicera x brownii 'Dropmore Scarlet'	Dropmore Scarlet Honeysuckle	#3 can	Heavy
WH	4	Lonicera periklymenum 'Winchester'	Winchester Honeysuckle	#3 can	Heavy
BI	8	Parthenocissus tricuspidata 'Veitchii'	Boston Ivy	#3 can	Heavy
AFW	2	Wisteria frutescens 'Amethyst Falls'	Amethyst Falls American Wisteria	#3 can	Heavy

No.	DATE	ISSUE FOR
1	11/08/21	60% SET REVIEW
2	12/10/21	90% R & RD
3	1/31/22	REVISED R & RD
4	02/07/22	REVISED R & RD
5	3/14/22	BID

© 2011 GUARDIA ARCHITECTS

ABBREVIATIONS
CB: CATCH BASIN
E: ELECTRICAL
FM: FORCE MAIN
G: GAS
HYD: HYDRANT
PW: ?
S&ST: SEWER & STORM
SIP: SIPHON
TR: TRANSFORMER
W: WATER
W.M.: WATER METER

LANDSCAPE DESIGN BY:
taconic
site design & landscape architecture
99 ROSSWAY ROAD
PLEASANT VALLEY, NY 12569
845.489.5401
www.TaconicSiteDesign.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

LANDSCAPE ARCHITECT'S SEAL AND SIGNATURE

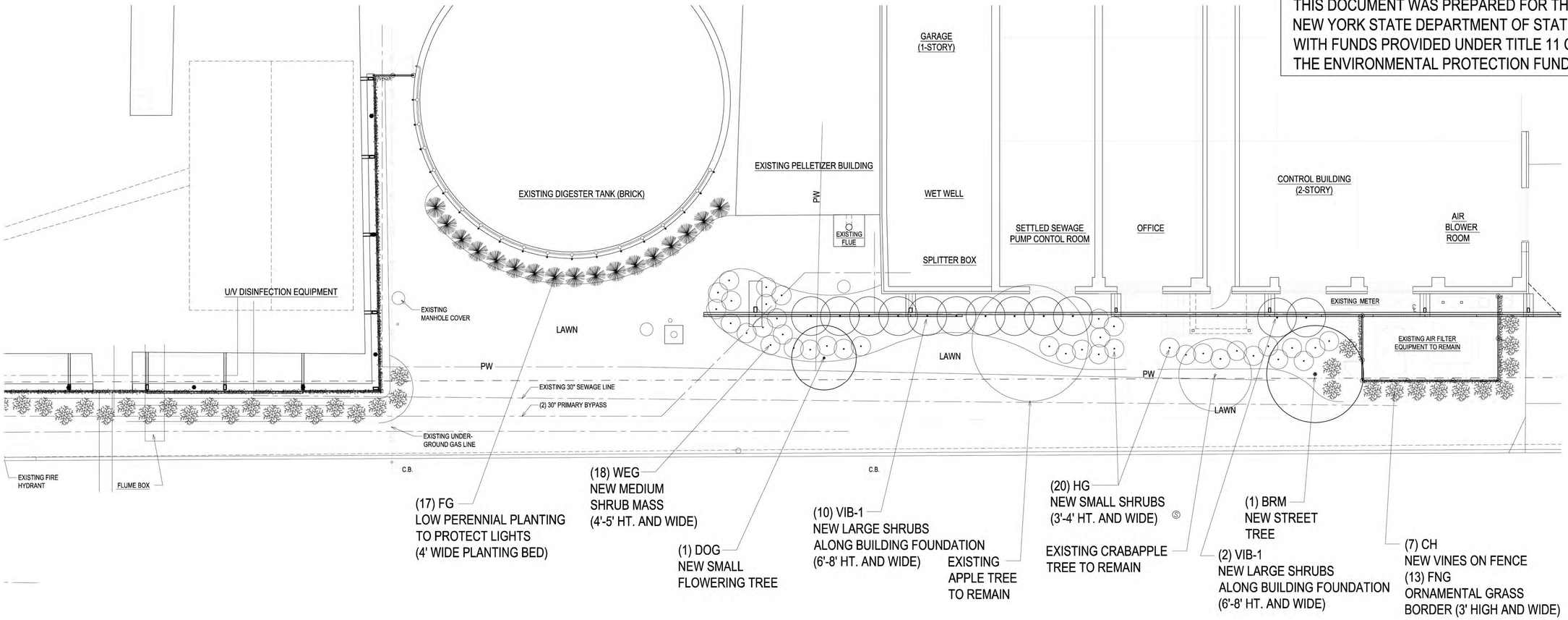
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL LANDSCAPE PLAN AND PARTIAL ELEVATION - WEST END

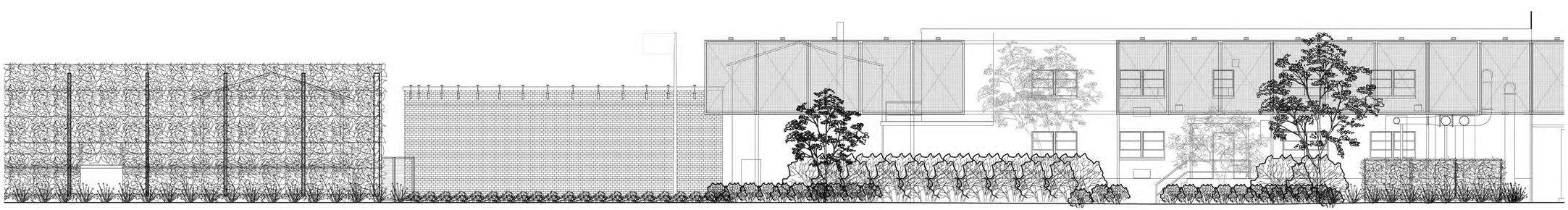
SCALE AS NOTED

L-101.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A102 PARTIAL SITE PLAN – MIDDLE
1/8" = 1'-0"



2 A102 PARTIAL ELEVATION – MIDDLE
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	11/08/21	30% SET REVIEW
2	12/22/21	90% R
3	02/09/22	90% R
4	02/22/22	90% R & BID
5	3/14/2022	BID

© 2011 GUARDIA ARCHITECTS

ABBREVIATIONS
CB: CATCH BASIN
E: ELECTRICAL
FM: FORCE MAIN
G: GAS
HYD: HYDRANT
PW: ?
S&ST: SEWER & STORM
SIP: SIPHON
TR: TRANSFORMER
W: WATER
W.M.: WATER METER

LANDSCAPE DESIGN BY:
taconic
site design & landscape architecture
99 ROSSWAY ROAD
PLEASANT VALLEY, NY 12569
845.489.5401
www.TaconicSiteDesign.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

LANDSCAPE ARCHITECT'S SEAL AND SIGNATURE

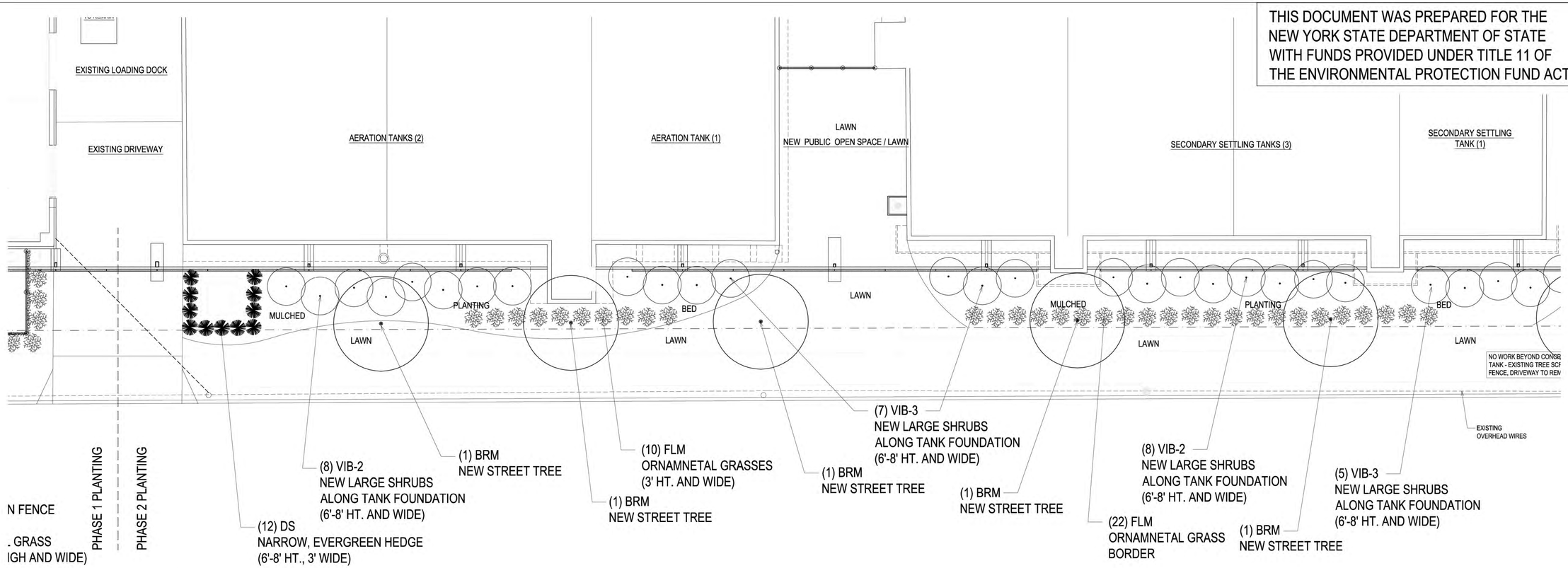
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL LANDSCAPE PLAN AND PARTIAL ELEVATION - MIDDLE PART

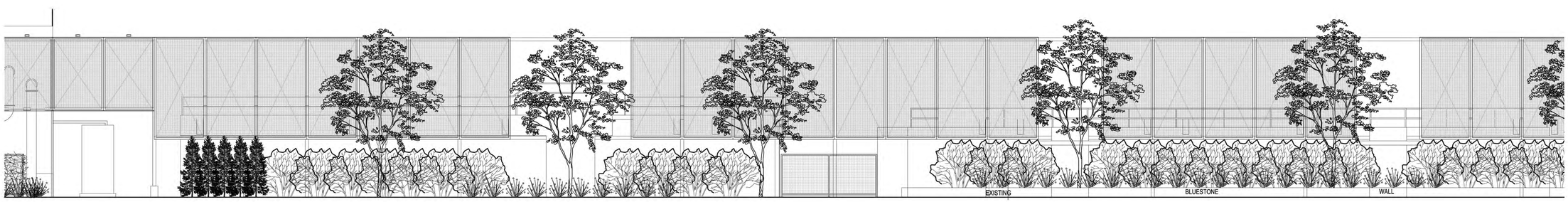
SCALE AS NOTED

L-102.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A103 PARTIAL SITE PLAN – EAST END
1/8" = 1'-0"



2 A103 PARTIAL ELEVATION – EAST END
1/8" = 1'-0"

Planting Notes:

1. *All plant materials to be nursery grown.*
2. *Plants shall conform with the American Association of Nurserymen Standards in all ways including dimensions.*
3. *All plants shall be installed in locations designated on the plan as staked in the field by Landscape Architect.*
4. *All plants shall be hardy under climate conditions similar to those in the locality which they are to be planted.*
5. *4" of Dark Brown Pine Bark Mulch shall be spread over all planting beds areas.*
6. *All proposed landscaped areas to receive 12" min. depth of soil amendment.*
7. *Contractor shall import screened topsoil, if and when necessary to complete the spreading of topsoil in accordance with Planting Note #6.*
8. *See Drawing L-500 for planting details.*

PLANT SCHEDULE

PHASE 2 - ADMINISTRATION BUILDING DRIVEWAY TO EAST DRIVEWAY

Key	Qty	Latin Name	Common Name	Size	Comments
Trees, Shurbs and Grasses					
BRM	7	Acer rubrum 'Bowhall'	Bowhall Red Maple	14' - 16' ht., 3" - 3 1/2" Cal., B&B	Straight trunk, Well branched top
FLM	42	Miscanthus 'purpurascens'	Flame Grass	#3 can	Heavy, Symm
DS	12	Thuja occidentalis 'Degroot's Spire'	Degroots Spire Arborvitae	3' - 4' Ht., B&B	Heavy, Symm
VIB-2	18	Viburnum trilobum	American Cranberry Viburnum	3' - 4' Ht., B&B	Heavy, Symm
VIB-3	12	Viburnum nudum 'Winterthur'	Winterthur Witherod	3' - 4' Ht., B&B	Heavy, Symm

No.	DATE	ISSUE FOR
1	11/08/21	30% SET REVIEW
2	12/03/21	90% R
3	12/22/21	90% R
4	02/07/22	90% R
5	2/14/2022	90%

© 2011 GUARDIA ARCHITECTS

ABBREVIATIONS
CB: CATCH BASIN
E: ELECTRICAL
FM: FORCE MAIN
G: GAS
HYD: HYDRANT
PW: ?
S&ST: SEWER & STORM
SIP: SIPHON
TR: TRANSFORMER
W: WATER
W.M.: WATER METER

LANDSCAPE DESIGN BY:
taconic
site design & landscape architecture
99 ROSSWAY ROAD
PLEASANT VALLEY, NY 12569
845.489.5401
www.TaconicSiteDesign.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

LANDSCAPE ARCHITECT'S SEAL AND SIGNATURE

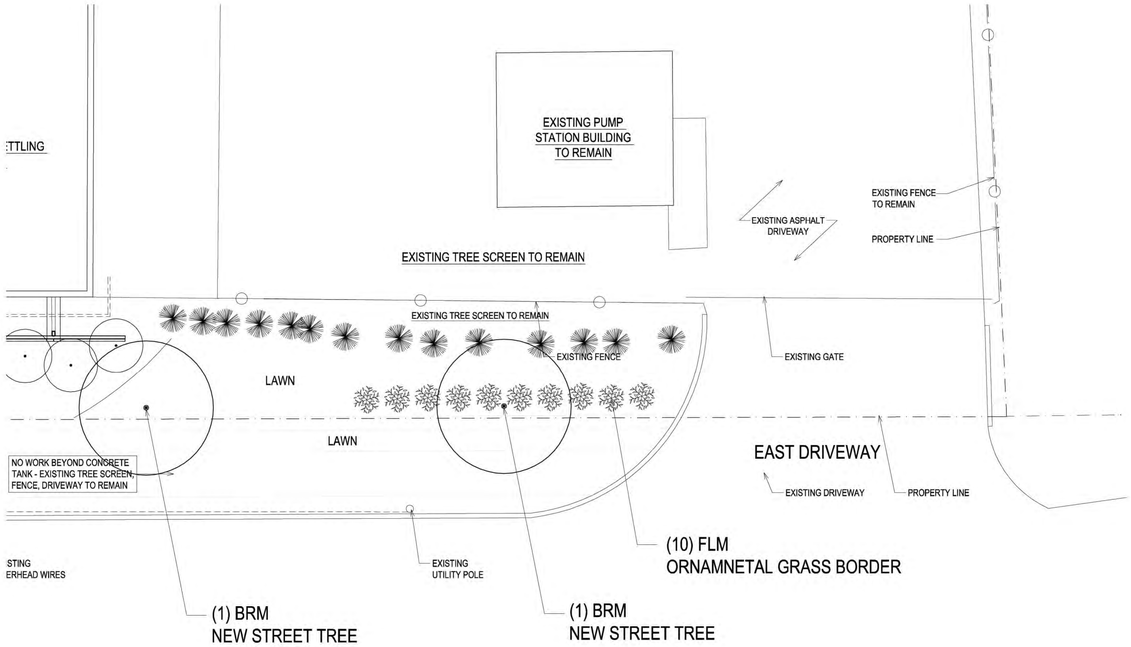
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL LANDSCAPE PLAN AND PARTIAL ELEVATION - EAST END

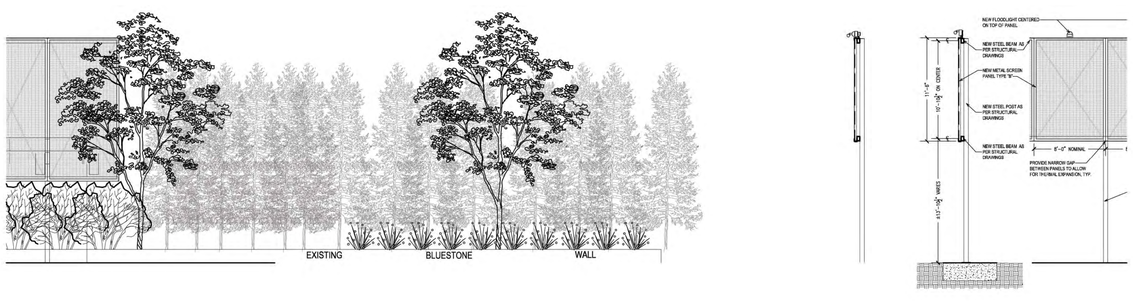
SCALE AS NOTED

L-103.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 A103 PARTIAL SITE PLAN – EAST END
1/8" = 1'-0"



2 A103 PARTIAL ELEVATION – EAST END
1/8" = 1'-0"

No.	DATE	ISSUE FOR
1	11/08/21	SITE PLAN REVIEW
2	12/03/21	SITE PLAN
3	12/15/21	REVISED PLAN
4	02/22/22	REVISED PLAN
5	2/14/2022	BID

© 2017 GUARDIA ARCHITECTS

ABBREVIATIONS
CB: CATCH BASIN
E: ELECTRICAL
FM: FORCE MAIN
G: GAS
HYD: HYDRANT
PW: ?
S&ST: SEWER & STORM
SIP: SIPHON
TR: TRANSFORMER
W: WATER
W.M.: WATER METER

LANDSCAPE DESIGN BY:
taconic
site design & landscape architecture
99 ROSSWAY ROAD
PLEASANT VALLEY, NY 12569
845.489.5401
www.TaconicSiteDesign.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

LANDSCAPE ARCHITECT'S SEAL AND SIGNATURE

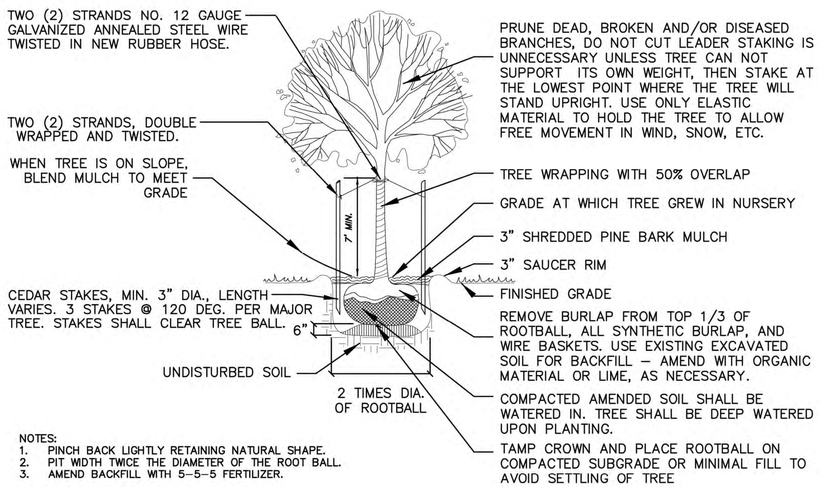
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

PARTIAL LANDSCAPE PLAN AND PARTIAL ELEVATION - EAST END

SCALE AS NOTED

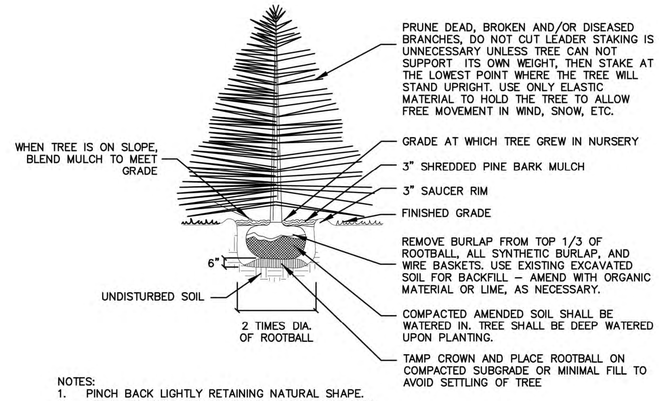
L-104.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



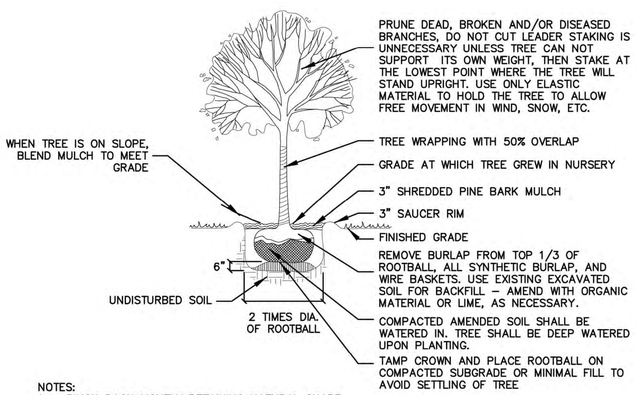
NOTES:
1. PINCH BACK LIGHTLY RETAINING NATURAL SHAPE.
2. PIT WIDTH TWICE THE DIAMETER OF THE ROOT BALL.
3. AMEND BACKFILL WITH 5–5–5 FERTILIZER.

LARGE DECIDIOUS TREE PLANTING DETAIL
Not to Scale



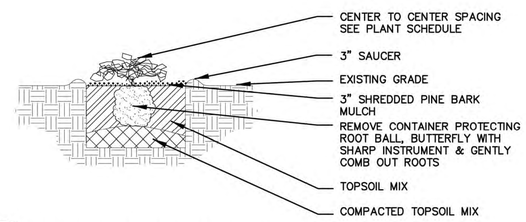
NOTES:
1. PINCH BACK LIGHTLY RETAINING NATURAL SHAPE.
2. PIT WIDTH TWICE THE DIAMETER OF THE ROOT BALL.
3. AMEND BACKFILL WITH 5–5–5 FERTILIZER.

EVERGREEN TREE PLANTING DETAIL
Not to Scale



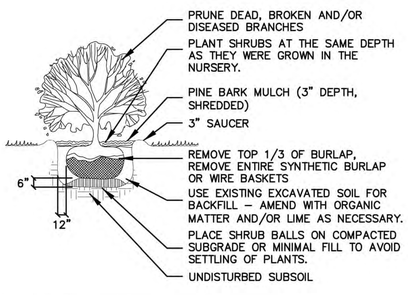
NOTES:
1. PINCH BACK LIGHTLY RETAINING NATURAL SHAPE.
2. PIT WIDTH TWICE THE DIAMETER OF THE ROOT BALL.
3. AMEND BACKFILL WITH 5–5–5 FERTILIZER.

DECIDIOUS TREE PLANTING DETAIL
Not to Scale



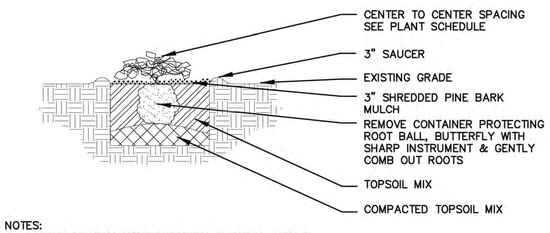
NOTES:
1. PINCH BACK LIGHTLY RETAINING NATURAL SHAPE.
2. PIT WIDTH TWICE THE DIAMETER OF THE ROOT BALL.
3. AMEND BACKFILL WITH 5–5–5 FERTILIZER.

PERENNIAL PLANTING
Not to Scale



NOTES:
1. PINCH BACK LIGHTLY RETAINING NATURAL SHAPE.
2. PIT WIDTH TWICE THE DIAMETER OF THE ROOT BALL.
3. AMEND BACKFILL WITH 5–5–5 FERTILIZER.

SHRUB PLANTING DETAIL
Not to Scale



NOTES:
1. PINCH BACK LIGHTLY RETAINING NATURAL SHAPE.
2. PIT WIDTH TWICE THE DIAMETER OF THE ROOT BALL.
3. AMEND BACKFILL WITH 5–5–5 FERTILIZER.

GREEN WALL VINE PLANTING BED DETAIL
Not to Scale

No.	DATE	ISSUE FOR
1	11/08/21	30% SET REVIEW
2	12/10/21	100%
3	02/25/22	REVISED & BID
4	10/27/22	REVISED & BID
5	01/20/23	BID

© 2011 GUARDIA ARCHITECTS

LANDSCAPE DESIGN BY:
taconic
site design & landscape architecture
99 ROSSWAY ROAD
PLEASANT VALLEY, NY 12569
845.489.5401
www.TaconicSiteDesign.com

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

LANDSCAPE ARCHITECT'S SEAL AND SIGNATURE

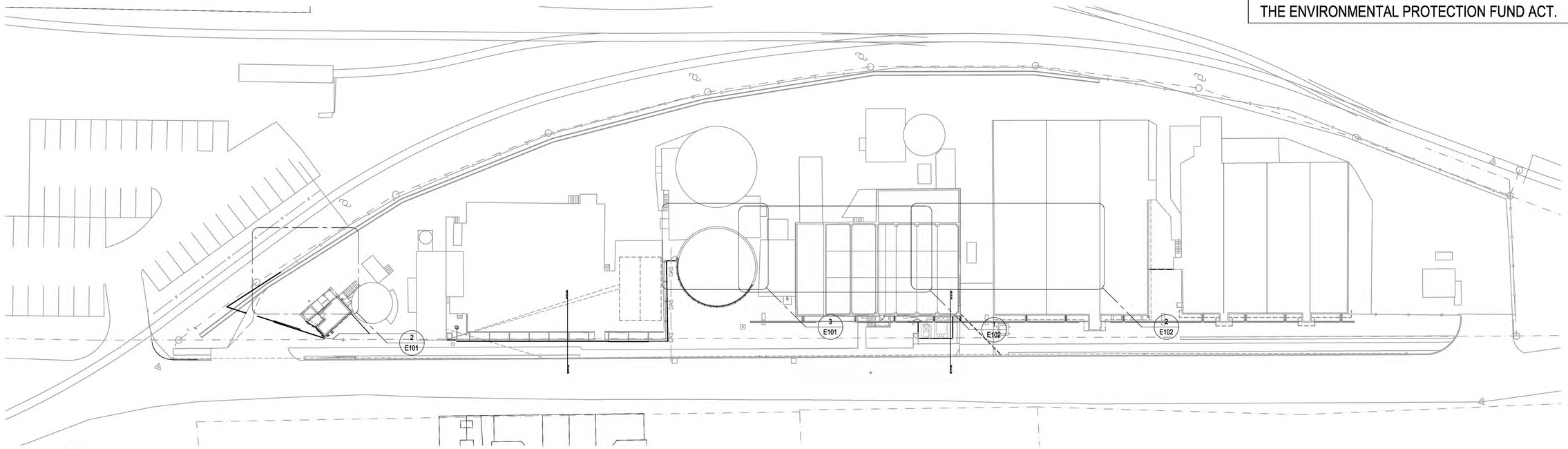
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LANDSCAPE DETAILS

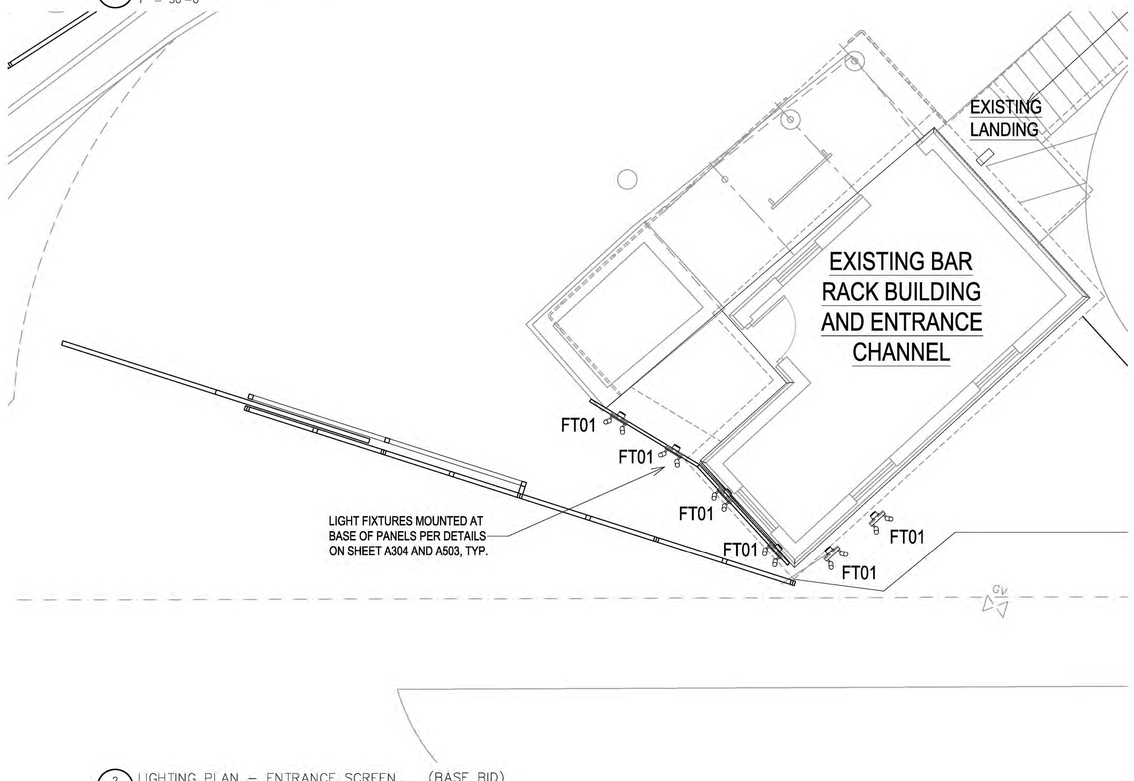
SCALE AS NOTED

L-500.00

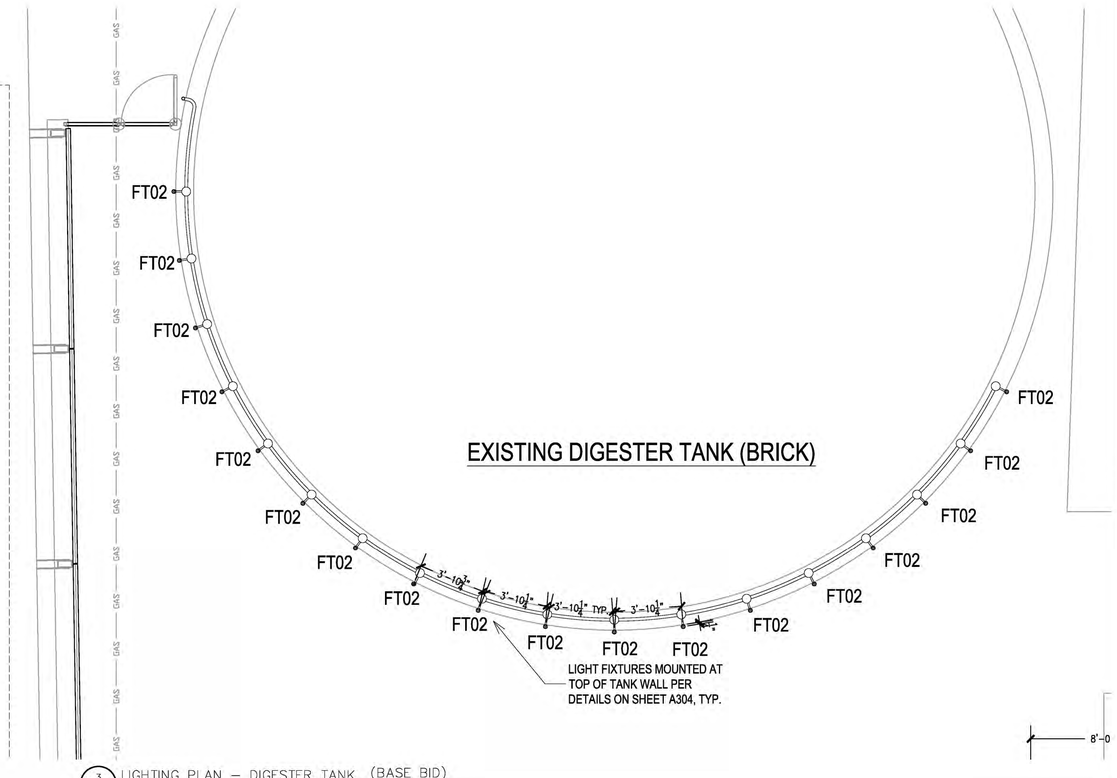
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 E101 KEY PLAN – SITE LIGHTING
1" = 30'-0"



2 E101 LIGHTING PLAN – ENTRANCE SCREEN (BASE BID)
1/4" = 1'-0"



3 E101 LIGHTING PLAN – DIGESTER TANK (BASE BID)
1/4" = 1'-0"

No.	DATE	ISSUE FOR
1	7/10/2011	BID SET REVIEW
2	10/26/2011	BID SET REVIEW
3	12/5/2012	BID SET REVIEW
4	8/27/2012	BID SET REVIEW
5	11/16/2012	BID SET REVIEW
6	2/26/2013	BID SET REVIEW
7	7/26/2013	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

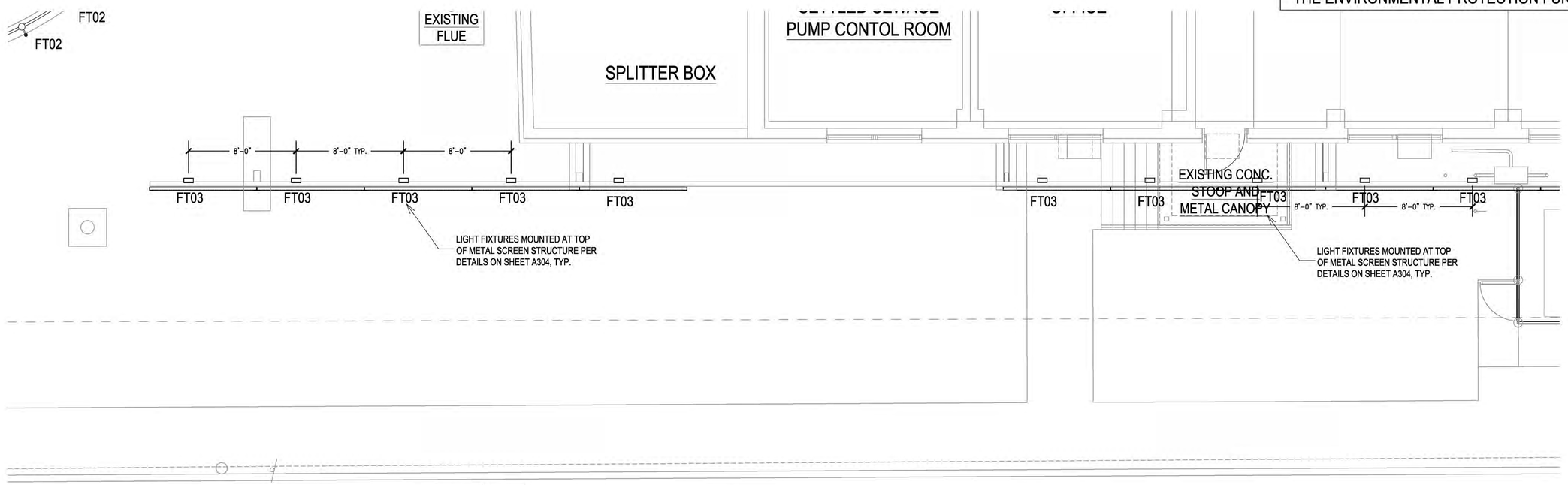
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING PLAN

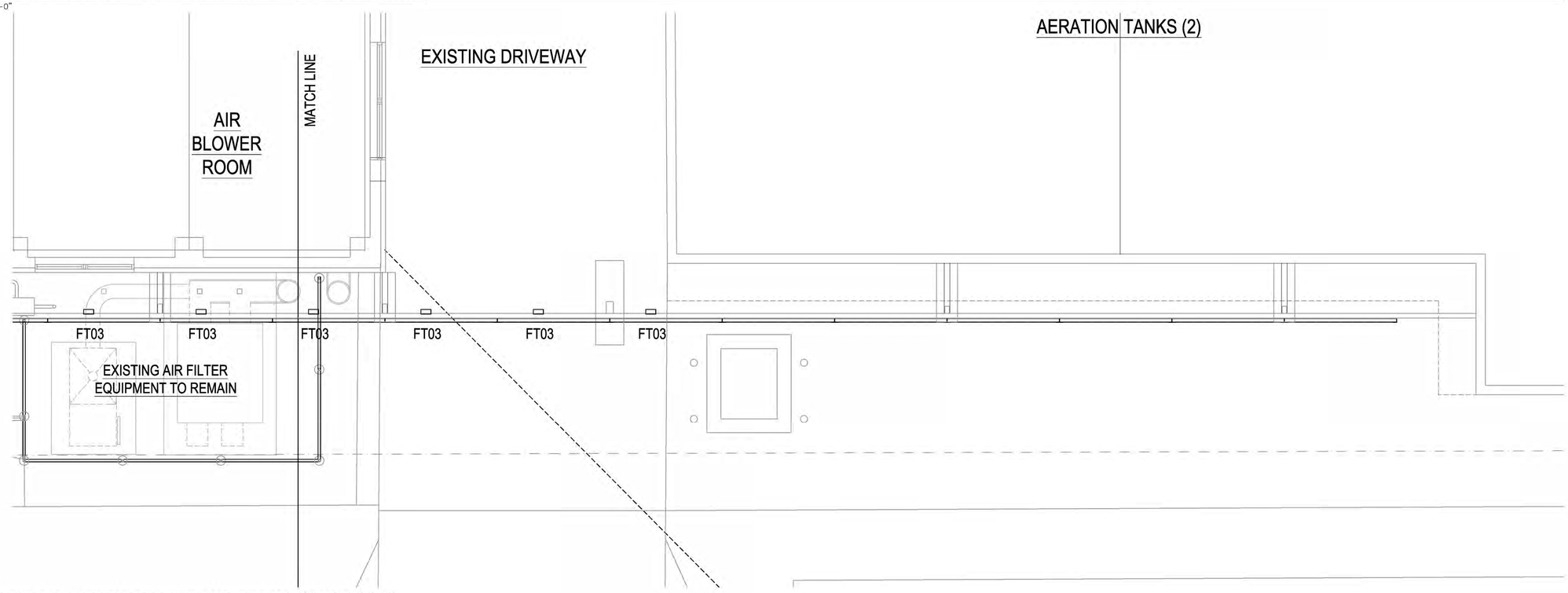
SCALE AS NOTED

E-101.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



1 E102 LIGHTING PLAN – PELLETIZER BUILDING AND OPERATIONS BUILDING (BID ADDITION 1)
1/4" = 1'-0"



2 E102 LIGHTING PLAN – OPERATIONS BUILDING AND DRIVEWAY (BID ADDITION 1)
1/4" = 1'-0"

No.	DATE	ISSUE FOR
1	7/16/2011	BID SET REVIEW
2	10/05/2011	BID SET REVIEW
3	11/01/2012	BID SET REVIEW
4	12/07/2012	BID SET REVIEW
5	11/06/2013	BID SET REVIEW
6	12/05/2013	BID SET REVIEW
7	10/08/2015	BID SET REVIEW

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

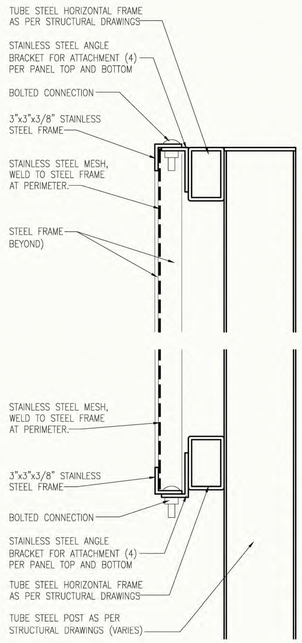
PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING PLAN

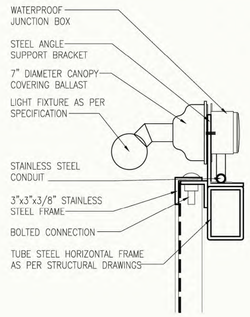
SCALE AS NOTED

E-102.00

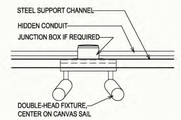
THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.



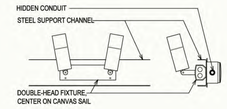
1 E501 SECTION – TYPICAL SCREEN
1-1/2"=1'-0"



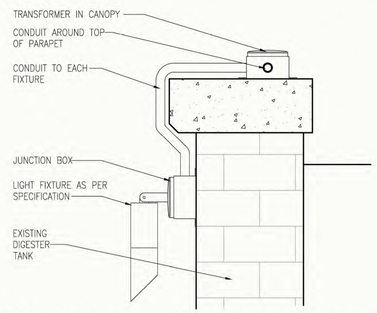
2 E501 LIGHTING DETAIL – FACE-MOUNT CANOPY AT SCREENS
1-1/2"=1'-0"



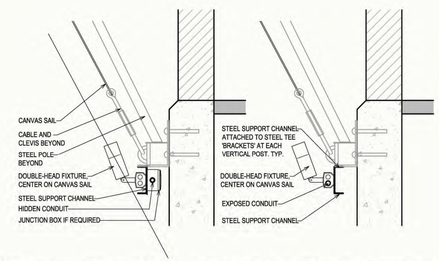
4 E501 LIGHT FIXTURE AT SCREENS – TOP VIEW
1/4"=1'-0"



5 E501 FRONT AND SIDE VIEWS
1/4"=1'-0"



3 E501 LIGHTING DETAIL –TOP-MOUNT CANOPY AT TANK
1-1/2"=1'-0"



6 E501 DETAIL – NEW CHANNEL AND LIGHT MOUNTING AT CANVAS SAILS
3/4"=1'-0"

LIGHT FIXTURES: CONTRACTOR SHALL PROVIDE BID FOR SPECIFIED FIXTURE OR APPROVED EQUAL. ELECTRICAL CONTRACTOR OR G.C. SHALL PROVIDE SPECIFICATIONS AND CUT SHEETS FOR EQUIVALENT SUBSTITUTION FIXTURES FOR REVIEW BY LIGHTING CONSULTANT AND ARCHITECT.

100% Construction Documents

Release: Nov 13, 2012

Kingston Sewage Treatment Plant

Fixture Schedule

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Note: Verify all components and quantites. Refer to product specifications for complete fixture data.

FixtureType	Fixture Specification	Lamp Specification	Fixture Wattage	Load Type	Fixture Voltage	Est Qty. or LF	Accessories	Mounting
FT01-UPM	BK PM2D-SM-H35E/H35E-MT		80w	MH		6		Surface mount to steel member
	Dual fixture, surface mount enclosure and fixture mount with two 35w electronic, metal halide ballasts. Ballast: 2 x 35w electronic metal halide ballasts 1) Fixtures to be controlled via timeclock and photosensor controls. 2) Each PM2D enclosure to support one of each FT01 fixture type (a+b).							
FT01a	BK EV-58-SAP-13-A-PM2D (Voltage by EC)	35w PAR 10 Metal Halide, 20 degree spot	40w	MH		6	Rectilinear lens	Mount to surface mount ballast enclosure
	Wet location adjustable floodlight with 35w, PAR 20, 10 degree spot ceramic metal halide lamp and adjustable rectilinear lens. Ballast: Ballast integral to Universal Power Mount enclosure Requires: UPM2D 1) Fixture paired with FT01b on UPM2 dual fixture ballast enclosure. 2) Fixtures to be controlled via timeclock and photosensor controls.							
FT01b	BK EV-59-SAP-13-A-PM2D (Voltage by EC)	35w PAR 20 Metal Halide, 30 degree flood (3000K)	40w	MH		6	Rectilinear lens	Mount to surface mount ballast enclosure
	Wet location adjustable floodlight with 35w, PAR 20, 30 degree flood, 3000K, ceramic metal halide lamp and adjustable rectilinear lens. Ballast: Ballast integral to Universal Power Mount enclosure Requires: UPM2D 1) Fixture paired with FT01a on UPM2 dual fixture ballast enclosure. 2) Fixtures to be controlled via timeclock and photosensor controls.							
FT02	BK B-AR-ES20-TR-276-MAC-13-A-8-xxx-WM	CMH20MR16/830/SP (3000K)	25w	CMH		18	WM: Wall Mount Canopy	Canopy Mount to J-Box
	Wet location adjustable landscape light with integral ballast and 20w, 12 degree spot, 3000K, ceramic metal halide lamp and wall mount canopy. Ballast: Integral 1) Fixtures to be controlled via timeclock and photosensor controls. 2) Contractor to order wall canopies and mounting hardware as required.							
FT03	BK YO-WW-81-SAP-13-11-CV-PC-H35M-xxx	35w T6 MH 3000K Lamp				15		Surface mount to steel member
	Adjustable, surface mount flloodlight with wall wash options, rectilinear lens, and 35w T6 3000K metal halide lamp. Ballast: Integral to Power Canopy 1) Fixtures to be cotrolled via timeclock and photosensor controls.							

1) Electrical Contractor to confirm all catalog numbers and quantities prior to ordering.
2) Contractor to confirm all trim finishes and colors with Architect or Designer.

No.	DATE	ISSUE FOR
1	12/12/2013	BIDS
2	7/8/2013	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING DETAILS AND SPECIFICATIONS

SCALE AS NOTED

E-501.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	ISSUE FOR
1	12/12/11	BIDS
2	11/06/2012	BIDS

© 2011 GUARDIA ARCHITECTS

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant
100% Construction Documents
Nov 13, 2012

Fixture Type:
FT01-UPM

Tension Sails Balast Enclosure/Fixture Mount

Estimated Quantity: 6

Dual fixture, surface mount enclosure and fixture mount with two 35w electronic, metal halide ballasts.

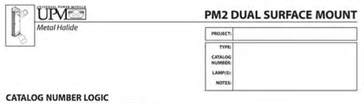
Manufacturer: BK
Fixture Line: Universal Power Mount
Fixture: PM2D
Catalog #: PM2D-SM-H35E/H35E-MT
Mounting: Surface mount to steel member

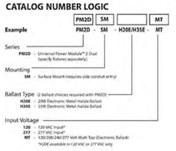
Fixture Wattage: 80w
Load Type: MH

Ballast 2 x 35w electronic metal halide ballasts

Fixture Specification Notes
1) Fixtures to be controlled via timeclock and photosensor controls.
2) Each PM2D enclosure to support one of each FT01 fixture type (a+b).

General Specification Notes
1) Electrical Contractor to confirm all catalog numbers and quantities prior to ordering.
2) Contractor to confirm all trim finishes and colors with Architect or Designer.





BALLAST ELECTRICAL DATA

BALLAST	TYPE	INPUT VOLTS	INPUT WATTS	INPUT CURRENT	CIRCUIT TYPE	MINIMUM START TEMPERATURE
H20E	Electronic	120	22	.20	HPF	-5° F
H20E	Electronic	277	22	.09	HPF	-5° F
H35E	Electronic	120	44	0.39	HPF	-5° F
H35E	Electronic	277	44	0.17	HPF	-5° F

B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	SUBMITTAL DATE 2-8-11	DRAWING NUMBER SUB-1512-00

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

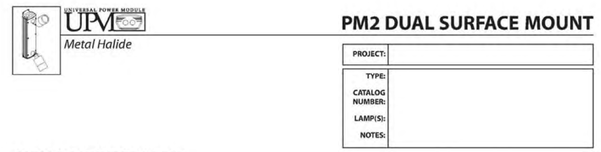
116 School Hill Road High Falls, NY 12440 -- 212-473-2629
www.michaelstiller.com

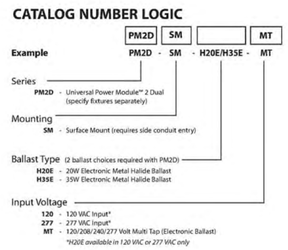
MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant
100% Construction Documents
Nov 13, 2012

Fixture Type:
FT01-UPM

Tension Sails Balast Enclosure/Fixture Mount





BALLAST ELECTRICAL DATA

BALLAST	TYPE	INPUT VOLTS	INPUT WATTS	INPUT CURRENT	CIRCUIT TYPE	MINIMUM START TEMPERATURE
H20E	Electronic	120	22	.20	HPF	-5° F
H20E	Electronic	277	22	.09	HPF	-5° F
H35E	Electronic	120	44	0.39	HPF	-5° F
H35E	Electronic	277	44	0.17	HPF	-5° F

B-K LIGHTING | 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com | SUBMITTAL DATE 2-8-11 | DRAWING NUMBER SUB-1512-00

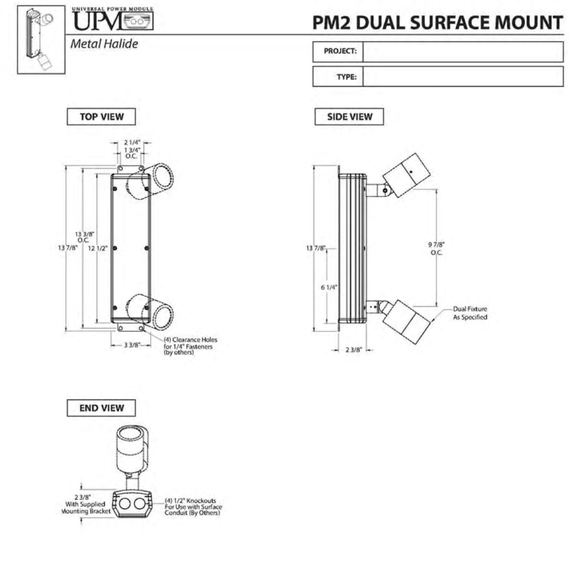
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant
100% Construction Documents
Nov 13, 2012

Fixture Type:
FT01-UPM

Tension Sails Balast Enclosure/Fixture Mount



SPECIFICATIONS

GreenSource Initiative™
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chloro-fluorocarbons (CFC's). RoHs compliant.

Installation
Universal design accommodates twin metal halide fixtures (specified separately) and permits water-tight installation in four distinct mounting conditions.

Surface Mount
For use with side entry, surface conduits. Stainless steel mounting brackets provide for direct anchor to architectural surfaces in any orientation.

Housing
Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Specify offset or center fixture position. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. [2] 1/2" NPT female conduit entries per end cap for through wiring.

Installation Tether
Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment.

Patented Knockouts
[4] 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity.

Ballast
[2] 20-35 watt; integral, high power factor, electronic metal halide ballasts permit split switching. Multi-Tap (120/208/240/277V) primary voltage 50/60Hz. H20E available in 120V, or 277V primary voltage. 50/60Hz.

Finish
StarGuard® (Pat. Pend.), a 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. RoHs compliant. Finish to match fixture.

Warranty
5 year limited warranty.

Listings
NEMA 4X / IP-66 Rated Enclosure. ETL Listed to ANSI/UL Standard 50/50E and Certified to CAN/CSA Standard C22.2 No. 94.1/94.2. RoHs compliant. Made in USA.

B-K LIGHTING | 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com | SUBMITTAL DATE 2-8-11 | DRAWING NUMBER SUB-1512-00

UPM's Patented knockouts are covered by U.S. Patent No. 6,940,012 B2

LIGHT FIXTURES: CONTRACTOR SHALL PROVIDE BID FOR SPECIFIED FIXTURE OR APPROVED EQUAL. ELECTRICAL CONTRACTOR OR G.C. SHALL PROVIDE SPECIFICATIONS AND CUT SHEETS FOR EQUIVALENT SUBSTITUTION FIXTURES FOR REVIEW BY LIGHTING CONSULTANT AND ARCHITECT.

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING DETAILS AND SPECIFICATIONS

SCALE AS NOTED

E-502.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	DESCRIPTION
1	02/20/13	BIDS
2	11/06/2013	BIDS

© 2013 GUARDIA ARCHITECTS

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant

100% Construction Documents
Nov 13, 2012

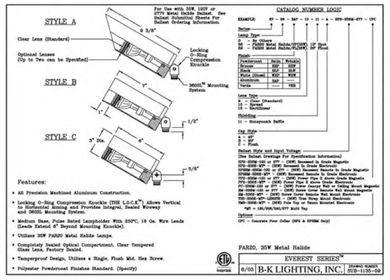
Fixture Type:
FT01a

Tension Sail Uplights

Estimated Quantity: 6

Wet location adjustable floodlight with 35w, PAR 20, 10 degree spot ceramic metal halide lamp and adjustable rectilinear lens.

Manufacturer:	BK	Fixture Wattage:	40w
Fixture Line:	Everest		
Fixture:	Everest w/out Enclosure	Load Type:	MH
Catalog #:	EV-58-SAP-13-A-PM2D (Voltage by EC)		
Mounting:	Mount to surface mount ballast enclosure		
Accessories:	Rectilinear lens		
Ballast	Ballast integral to Universal Power Mount enclosure		
Addl. Requirements:	UPM2D		
Lamp Spec:	35w PAR 10 Metal Halide, 20 degree spot		



Fixture Specification Notes
1) Fixture paired with FT01b on UPM2 dual fixture ballast enclosure.
2) Fixtures to be controlled via timeclock and photosensor controls.

General Specification Notes
1) Electrical Contractor to confirm all catalog numbers and quantities prior to ordering.
2) Contractor to confirm all trim finishes and colors with Architect or Designer.

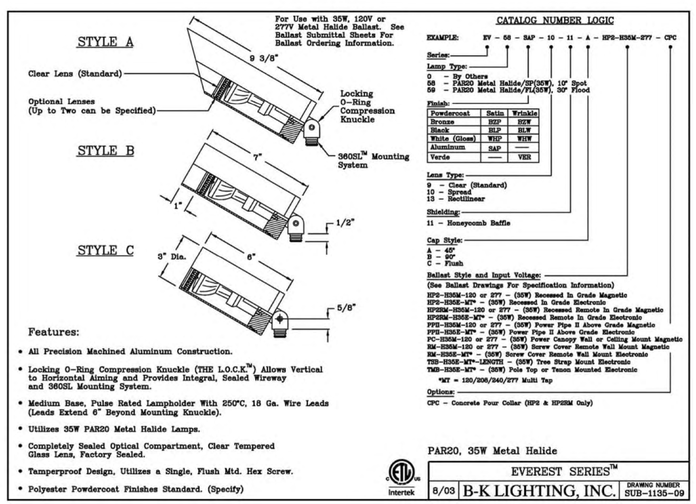
MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant

100% Construction Documents
Nov 13, 2012

Fixture Type:
FT01b

Tension Sail Uplights



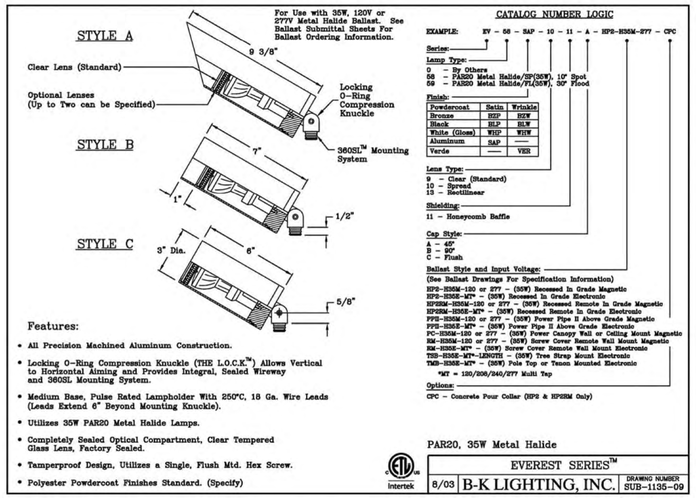
MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant

100% Construction Documents
Nov 13, 2012

Fixture Type:
FT01a

Tension Sail Uplights



MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant

100% Construction Documents
Nov 13, 2012

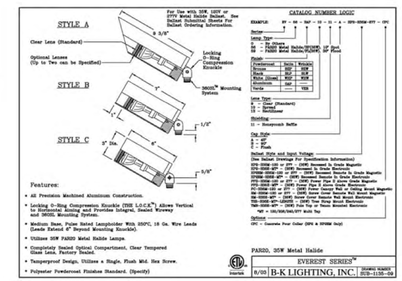
Fixture Type:
FT01b

Tension Sail Uplights

Estimated Quantity: 6

Wet location adjustable floodlight with 35w, PAR 20, 30 degree flood, 3000K, ceramic metal halide lamp and adjustable rectilinear lens.

Manufacturer:	BK	Fixture Wattage:	40w
Fixture Line:	Everest		
Fixture:	Everest w/out Enclosure	Load Type:	MH
Catalog #:	EV-59-SAP-13-A-PM2D (Voltage by EC)		
Mounting:	Mount to surface mount ballast enclosure		
Accessories:	Rectilinear lens		
Ballast	Ballast integral to Universal Power Mount enclosure		
Addl. Requirements:	UPM2D		
Lamp Spec:	35w PAR 20 Metal Halide, 30 degree flood (3000K)		



Fixture Specification Notes
1) Fixture paired with FT01a on UPM2 dual fixture ballast enclosure.
2) Fixtures to be controlled via timeclock and photosensor controls.

General Specification Notes
1) Electrical Contractor to confirm all catalog numbers and quantities prior to ordering.
2) Contractor to confirm all trim finishes and colors with Architect or Designer.

LIGHT FIXTURES: CONTRACTOR SHALL PROVIDE BID FOR SPECIFIED FIXTURE OR APPROVED EQUAL. ELECTRICAL CONTRACTOR OR G.C. SHALL PROVIDE SPECIFICATIONS AND CUT SHEETS FOR EQUIVALENT SUBSTITUTION FIXTURES FOR REVIEW BY LIGHTING CONSULTANT AND ARCHITECT.

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING DETAILS AND SPECIFICATIONS

SCALE AS NOTED

E-503.00

THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	ISSUE FOR:
1	3/21/2013	BIDS
2	7/08/2013	BIDS

© 2013 GUARDIA ARCHITECTS

Estimated Quantity: 18

Wet location adjustable landscape light with integral ballast and 20w, 12 degree spot, 3000K, ceramic metal halide lamp and wall mount canopy.

Manufacturer: BK

Fixture Wattage: 25w

Fixture Line: Artistar

Fixture: Integral Artistar

Load Type: CMH

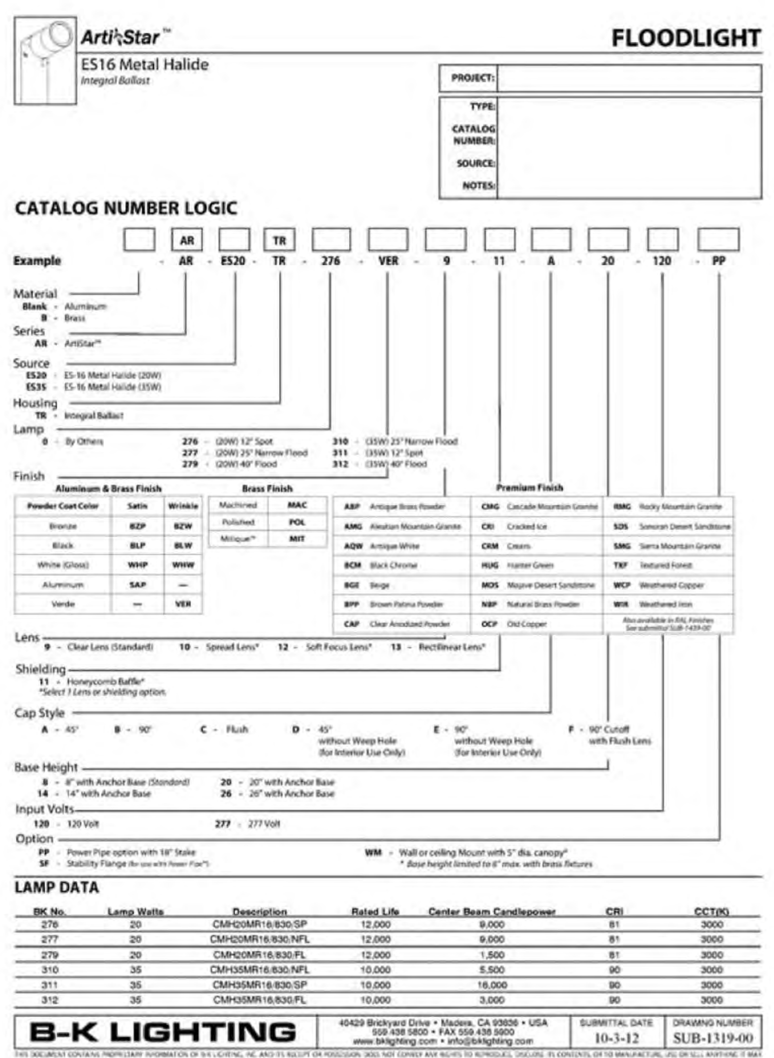
Catalog #: B-AR-ES20-TR-276-MAC-13-A-8-xxx-WM

Mounting: Canopy Mount to J-Box

Accessories: WM: Wall Mount Canopy

Ballast: Integral

Lamp Spec: CMH20MR16/830/SP (3000K)



Fixture Specification Notes
1) Fixtures to be controlled via timeclock and photosensor controls.
2) Contractor to order wall canopies and mounting hardware as required.

General Specification Notes
1) Electrical Contractor to confirm all catalog numbers and quantities prior to ordering.
2) Contractor to confirm all trim finishes and colors with Architect or Designer.

116 School Hill Road High Falls, NY 12440 -- 212-473-2629
www.michaelstiller.com

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant

100% Construction Documents
Nov 13, 2012

Fixture Type: FT02

Digester Tank Grazers

ArtiStar™
ES16 Metal Halide
Integral Ballast

FLOODLIGHT

PROJECT:
TYPE:
CATALOG NUMBER:
SOURCE:
NOTES:

CATALOG NUMBER LOGIC

Example: - AR - ES20 - TR - 276 - VER - 9 - 11 - A - 20 - 120 - PP

Material
- Blank - Aluminum
- B - Brass

Series
- AR - ArtiStar™

Source
- ES20 - ES-16 Metal Halide (20W)
- ES35 - ES-16 Metal Halide (35W)

Housing
- TR - Integral Ballast

Lamp
- 0 - By Others
- 276 - (20W) 12° Spot
- 277 - (20W) 25° Narrow Flood
- 279 - (20W) 40° Flood
- 310 - (35W) 25° Narrow Flood
- 311 - (35W) 12° Spot
- 312 - (35W) 40° Flood

Finish

Aluminum & Brass Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Brass Finish

Machined	MAC
Polished	POL
Mitique™	MIT

Premium Finish

ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
BCM	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
CAP	Clear Anodized Powder	OCP	Old Copper		*Also available in RAL Finishes See submittal SUB-1439-00*

Lens
- 9 - Clear Lens (Standard)
- 10 - Spread Lens*
- 12 - Soft Focus Lens*
- 13 - Rectilinear Lens*

Shielding
- 11 - Honeycomb Baffle*

Select 1 Lens or shielding option.

Cap Style
- A - 45°
- B - 90°
- C - Flush
- D - 45° without Weep Hole (for Interior Use Only)
- E - 90° without Weep Hole (for Interior Use Only)
- F - 90° Cutoff with Flush Lens

Base Height
- 8 - 8" with Anchor Base *(Standard)*
- 14 - 14" with Anchor Base
- 20 - 20" with Anchor Base
- 26 - 26" with Anchor Base

Input Volts
- 120 - 120 Volt
- 277 - 277 Volt

Option
- PP - Power Pipe option with 18" Stake
- SF - Stability Flange (for use with Power Pipe™)
- WM - Wall or ceiling Mount with 5" dia. canopy*

** Base height limited to 8" max. with brass fixtures*

LAMP DATA

BK No.	Lamp Watts	Description	Rated Life	Center Beam Candlepower	CRI	CCT(K)
276	20	CMH20MR16/830/SP	12,000	9,000	81	3000
277	20	CMH20MR16/830/NFL	12,000	9,000	81	3000
279	20	CMH20MR16/830/FL	12,000	1,500	81	3000
310	35	CMH35MR16/830/NFL	10,000	5,500	90	3000
311	35	CMH35MR16/830/SP	10,000	16,000	90	3000
312	35	CMH35MR16/830/FL	10,000	3,000	90	3000

B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	SUBMITTAL DATE 10-3-12	DRAWING NUMBER SUB-1319-00

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

Kingston Sewage Treatment Plant

100% Construction Documents
Nov 13, 2012

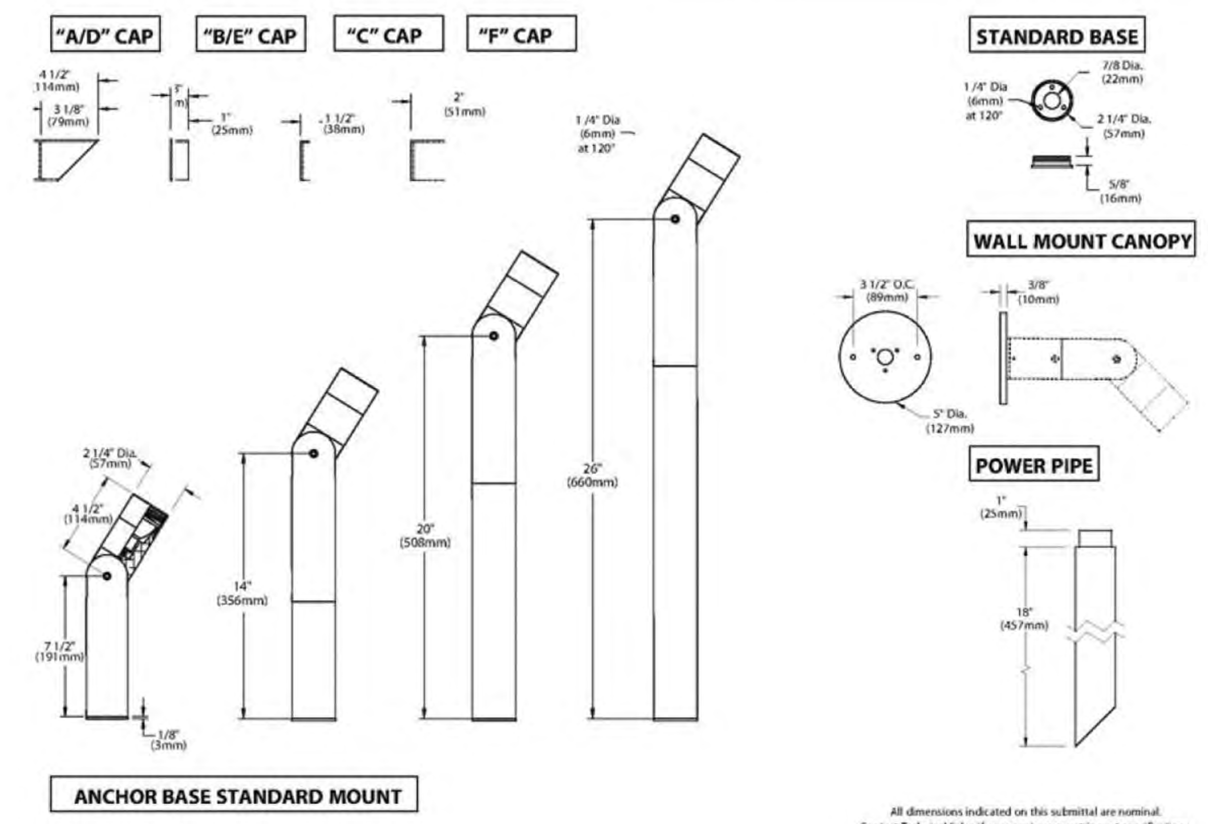
Fixture Type: FT02

Digester Tank Grazers

ArtiStar™
ES16 Metal Halide
Integral Ballast

FLOODLIGHT

PROJECT:
TYPE:



All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials
Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360).

Body
Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle
'Aim and Lock' knuckle is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap
Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 1" deep bezel with 90° cutoff ('B' or 'E'), flush lens ('C'), or 90° cutoff with flush lens ('F') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Installation
Machined anchor base with 7/8" dia. slip conduit hole and [3] 3/16" dia. anchor bolt holes (hardware by others). Available in standard increments to facilitate fixture elevation above grade. Optional 18" Power Pipe™ for direct burial into soil or concrete. Power Pipe™ additionally features optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability. Optional 5" dia. machined canopy permits mounting to junction box (gasket by others). 8" maximum base height for canopy-mounted brass fixture.

Lens
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.

Source
For use with 35 watt maximum, GX10 base, ES16 metal halide lamps.

Ballast
Integral, electronic metal halide ballast. 120V, or 277V primary voltage.

Wiring
Teflon® coated wire, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware
Tamper-resistant, stainless steel hardware. Knuckle vertical aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish
StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty
5 year limited warranty.

Listings
ETL Listed to ANSI/UL Standard 1598. Certified to CAN/CSA Standard C22.2 No. 250. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP 66 rated. Made in USA.

RoHS

**Teflon is a registered trademark of DuPont Corporation*

B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	SUBMITTAL DATE 10-3-12	DRAWING NUMBER SUB-1319-00

<u>LIGHT FIXTURES</u>: CONTRACTOR SHALL PROVIDE BID FOR SPECIFIED FIXTURE OR APPROVED EQUAL. ELECTRICAL CONTRACTOR OR G.C. SHALL PROVIDE SPECIFICATIONS AND CUT SHEETS FOR EQUIVALENT SUBSTITUTION FIXTURES FOR REVIEW BY LIGHTING CONSULTANT AND ARCHITECT.

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING DETAILS AND SPECIFICATIONS

SCALE AS NOTED

E-504.00

Kingston Sewage Treatment Plant

MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

100% Construction Documents
Nov 13, 2012

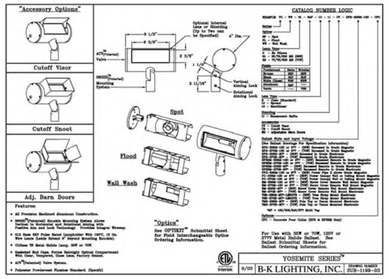
Fixture Type:
FT03

Operations Building Screens

Estimated Quantity: 15

Adjustable, surface mount floodlight with wall wash options, rectilinear lens, and 35w T6 3000K metal halide lamp.

Manufacturer:	BK
Fixture Line:	Yosemite
Fixture:	Yosemite w/Power Canopy
Catalog #:	YO-WW-81-SAP-13-11-CV-PC-H35M-xxx
Mounting:	Surface mount to steel member
Ballast	Integral to Power Canopy
Lamp Spec:	35w T6 MH 3000K Lamp



Fixture Specification Notes
1) Fixtures to be cotrolled via timeclock and photosensor controls.

General Specification Notes
1) Electrical Contractor to confirm all catalog numbers and quantities prior to ordering.
2) Contractor to confirm all trim finishes and colors with Architect or Designer.

116 School Hill Road High Falls, NY 12440 -- 212-473-2629
www.michaelstiller.com

LIGHT FIXTURES: CONTRACTOR SHALL PROVIDE BID FOR SPECIFIED FIXTURE OR APPROVED EQUAL. ELECTRICAL CONTRACTOR OR G.C. SHALL PROVIDE SPECIFICATIONS AND CUT SHEETS FOR EQUIVALENT SUBSTITUTION FIXTURES FOR REVIEW BY LIGHTING CONSULTANT AND ARCHITECT.

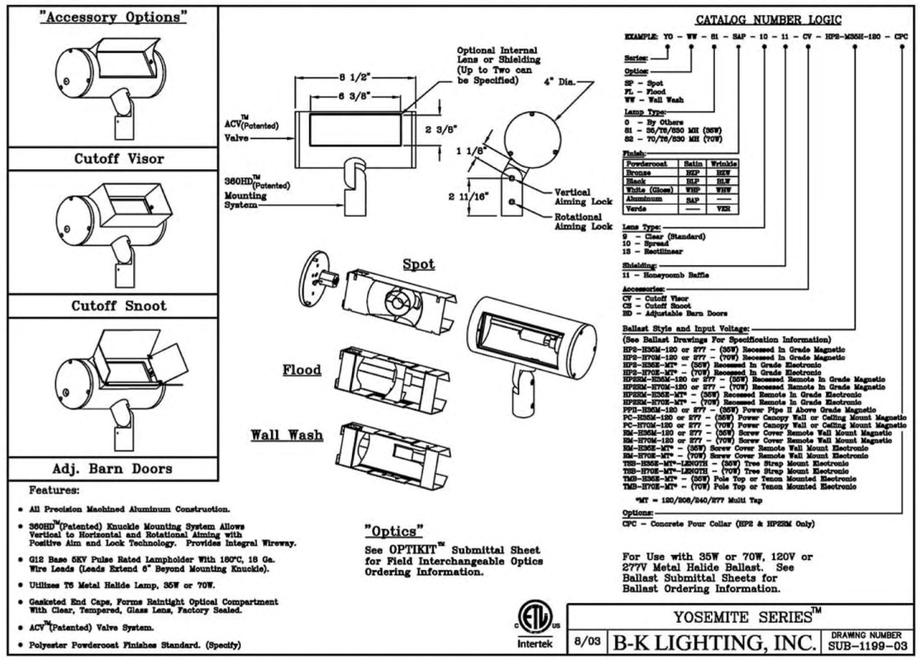
Kingston Sewage Treatment Plant

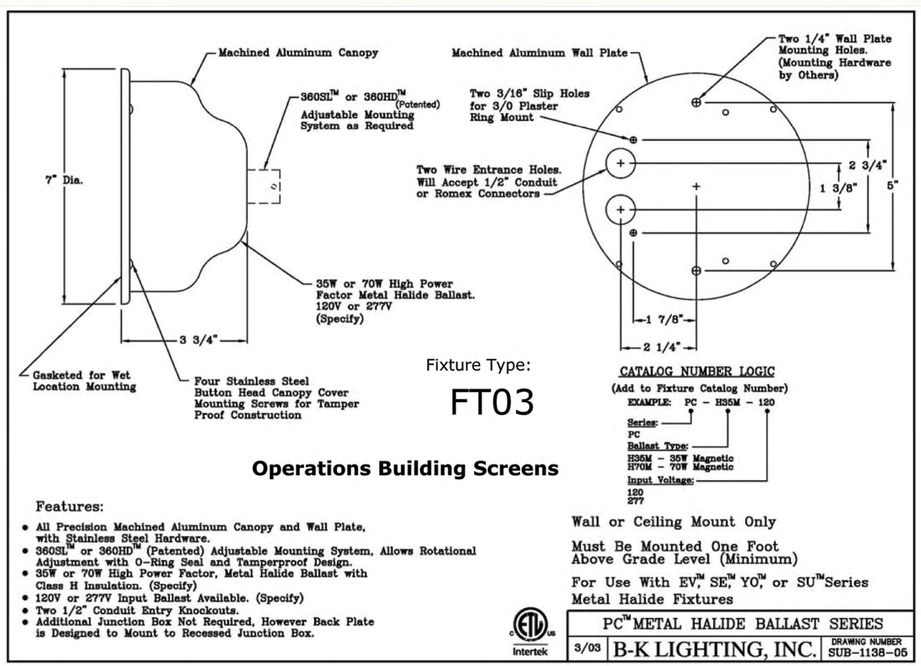
MICHAEL STILLER DESIGN
Lighting Design for Architecture & Live Events

100% Construction Documents
Nov 13, 2012

Fixture Type:
FT03

Operations Building Screens





THIS DOCUMENT WAS PREPARED FOR THE NEW YORK STATE DEPARTMENT OF STATE WITH FUNDS PROVIDED UNDER TITLE 11 OF THE ENVIRONMENTAL PROTECTION FUND ACT.

No.	DATE	ISSUE FOR
1	12/12/2013	BIDS
2	7/8/2013	BIDS

© 2013 GUARDIA ARCHITECTS

CONTRACT N. CK-111-STREETSCAPE SCREEN AT THE WASTEWATER TREATMENT FACILITY FOR THE CITY OF KINGSTON

BID SET - DRAWINGS NOT FOR CONSTRUCTION

GUARDIA ARCHITECTS 233 DELAVAN AVENUE NEWARK NJ 07104 862.576.8066 sg@guardiaarchitects.com

ARCHITECT'S SEAL AND SIGNATURE

PROJECT
STREETSCAPE SCREEN AT WASTEWATER TREATMENT FACILITY KINGSTON, NEW YORK 12401

LIGHTING DETAILS AND SPECIFICATIONS

SCALE AS NOTED

E-505.00