



**McGOEY, HAUSER and EDSALL
CONSULTING ENGINEERS D.P.C.**

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**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT: HV PERSONNEL SUPPORT CENTER OF JEHOVAH’S WITNESSES
PROJECT NO.: 14-17
PROJECT LOCATION: SECTION 97, BLOCK 2, LOTS 30.1, 30.22, 33
PROJECT REP: MASER CONSULTING
REVIEW DATE: 26 NOVEMBER 2014
MEETING DATE: 4 DECEMBER 2014

1. NYS DOT approval for revised emergency access drive should be received along with concurrence for SEQRA Review of the Traffic Report.
2. Plans should be revised to depict emergency access drive along with grading, drainage and access control details. 20 foot emergency access drive is proposed, however, 26 feet may be required due to aerial access requirement based on building height.
3. The plans have been revised to identify that 25 of the 31 spaces within the “courtyard” area of the existing hotel are proposed for transport vans. Recently, the transport vans were noted parked within the former diner parking area.
4. Parking calculation for the detached restaurant identifies “approximately 3,000 square feet of seating”. Actual seating area should be depicted to confirm calculation.
5. A lot consolidation plan has been submitted, combining 3 existing parcels into 1.
6. Code Compliance Department’s comments regarding 24 foot access drive to structure should be received. Noted access drive is 26 feet in front of covered entrance drop off area.
7. Code Compliance and Jurisdictional Fire Departments comments regarding additional hydrants required on the site should be received. Two hydrants exist on access drive; however, no internal hydrants are identified.
8. Stormwater Pollution Prevention Plan has been received and is under review by this office.
9. Applicants are requested to consider placement of guiderails along northeast rear access drive and parking.

10. Proposed painted islands are identified on the east side of existing hotel structures in 4 locations. Applicant should consider landscaping and curb islands in these locations to reduce run off. In addition, plans should be coordinated depicting these throughout.
11. Construction sequence should depict how access to all required parking for the existing hotel will be maintained during construction activities.
12. Six inch diameter water lines should be evaluated should additional hydrants be required by code or jurisdictional fire department.
13. Applicants are requested to evaluate existing landscaping at the existing hotel site with regard to any proposed improvements.
14. The Applicants are proposing 20 foot high fixture mounting for parking lot lighting which seems appropriate based on the use. Lighting plan has been provided depicting compliance with Town design guidelines and regulations.

Respectfully submitted,

***McGoey, Hauser & Edsall
Consulting Engineers, D.P.C.***

Patrick J. Hines
Principal



Engineers
Planners
Surveyors
Landscape Architects
Environmental Scientists

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November 21, 2014

VIA HAND DELIVERY

John E. Ewasutyn, Planning Board Chairman
Town of Newburgh
308 Gardnertown Road
Newburgh, New York 12786

Re: Hudson Valley Personnel Support Center of Jehovah's Witnesses
Tax Lot 97-2-30.1, 30.22, 33
Town of Newburgh, Orange County, New York
MC Project No. 13000398C

Dear Chairman Ewasutyn:

Below please find our responses to comments from comment letters received from Creighton Manning, dated August 5, 2014 and McGoey, Hauser & Edsall Consulting Engineers D.P.C., dated August 7, 2014. The Comments have been repeated here for clarity.

Creighton Manning

- Comment 1: A secondary access is proposed from Route 17K and should be shown on the sketch plan.
- Response 1: A new emergency access connection from the site to NYS Route 300 is proposed along the northerly property line. This emergency connection will provide emergency access to the site as well as the other existing buildings and also to the Palmerone Farms development located to the south of the site. The proposed location of the access is depicted on Layout & Dimension Plan (Sheet 2 of 9).
- Comment 2: The narrative should be expanded or perhaps the applicant can explain in additional detail (at the meeting) what the use will be and typical operation of the facility.
- Response 2: The existing facility is located at the mid-point between the applicants Wallkill, Patterson, and World Headquarters facilities. This site was purchased to house members of the organizations worldwide religious order and religious volunteers visiting our facilities on a temporary basis to assist with various projects, receive ministerial training, attend seminars or special events, receive medical care in the U.S., etc. Currently, the focus is on housing volunteers arriving to assist temporarily with the construction of our World Headquarters facility. A few other examples may be schools for travelling ministers, legal seminars sponsored for attorneys focusing on human rights advocacy around the world, translators





coming to the U.S. for training, musicians, actors and technical personnel who arrive to support specific musical and video productions used for the worship and Bible education work, overseas missionaries here for medical treatment, etc. These needs will continue and likely increase after the completion of our world headquarters. The new addition will aid in supporting these same functions. Any additional descriptions or explanation will be addressed at the board meeting as needed.

Comment 3: Presumably the currently and expanded facility temporarily houses Watchtower members that work in the area. Members may stay for several nights or several weeks. As such, it is presumed that the facility will operate similar to an apartment complex in that residents will depart in the morning and return in the evening, consistent with typical computer periods. A trip generation estimate of the facility should be provided by the engineer. We acknowledge that the housing units are much smaller than apartments and that the facility is not the same as a hotel; therefore, the applicant/engineer should explain the rationale for any deviations in trip generation from the ITE manual.

Response 3: As summarized in the traffic evaluation letter, dated November 19, 2014, estimates of the peak hour traffic generation for the new building were developed based on traffic counts collected at the existing facility. In general, these rates were lower than the ITE data during the Weekday AM Peak Hour primarily because of the use of the vans to transport the member to the external locations. The Weekday PM Peak Hour rates were also slightly lower and the Saturday Midday volumes were slightly higher than the ITE Trip Rates. The traffic generation for the proposed building was fully analyzed in the November 19, 2014 evaluation.

McGoey, Hauser and Edsall

Comment 4: Lot consolidation is required for proposed use. Each of the three tax map parcels must be consolidated into one.

Response 4: A Lot Consolidation Plan has been included as part of this submission.

Comment 5: Existing setback non-conformities must be addressed with ZBA for the diner structure and existing hotel.

Response 5: The Zoning Board of Appeals granted the (2) two area variances for the existing structure setbacks encroaching into the required 50 foot side yard setback at the Board's September 25, 2014 meeting.

Comment 6: Building height should be identified in the bulk table, currently identified as less than 50. Building height will determine fire access road width.

Response 6: The bulk table has been updated to include the specific building heights for the parapet and entrance peak portions of the building.



- Comment 7: Access road width at southeast corner of the building is identified as 22 feet. It is noted a loading dock services area can be accessed from this driveway, 24 foot minimum should be provided.
- Response 7: The plans have been revised to provide 24 foot minimum drive aisles around the building and a 26 foot drive aisle adjacent to the peaked building entrance to comply with the fire code.
- Comment 8: Location of dumpster enclosure should be depicted on plans.
- Response 8: The site currently has a dumpster enclosure located on the north eastern side of the site, adjacent to the hotel building. The applicant has reviewed the need of an additional dumpster for the new facility and it is not needed. The existing can be utilized to service both the existing hotel and the new building.
- Comment 9: Applicant may wish to consider Section 195-17 corner lots reversing the proposed rear and side yard setbacks noted to reduce the zoning non-conformities identified by placing rear yard setback on north portion of the site and side yard setback on the eastern portion of the site. Proposed 100 room hotel will comply with 60 foot rear yard setback, while variance will be reduced from existing structures with a side yard setback along northern property line.
- Response 9: The attached Layout & Dimension Plan depicts a 50 foot side yard setback along the northern property boundary and 60 foot rear yard setback along the eastern property boundary. This same layout was utilized in gaining the approval for the (2) two area variances mentioned in response #5.
- Comment 10: Engineering details provided in future must address SWPPP, combined pump station force main design, fire hydrant locations, grading plans, landscaping requirements and traffic report.
- Response 10: This submission includes a set of Preliminary Design Plans depicting proposed grading, drainage & utilities, proposed site landscaping and lighting, SWPPP and Traffic Impact Study. The completed sanitary sewer pump station design and design for the proposed emergency access shall be provided as part of a subsequent submission to the board.

Very truly yours,

MASER CONSULTING P.A.

A handwritten signature in black ink, appearing to read 'Andrew B. Fetherston'.

Andrew B. Fetherston, P.E.
Principal Associate

ABF/jm
Enclosures

GENERAL PLAN NOTES

- THIS PLAN IS TO BE USED FOR LANDSCAPE PURPOSES ONLY.
- THESE PLANS ARE TO BE USED FOR LANDSCAPE PURPOSES ONLY. REFER TO SHEET 7 FOR GENERAL LANDSCAPE NOTES.
- LOCATIONS OF ALL PLANT MATERIAL AND PLANTING BED OUTLINES IS APPROXIMATE AND MAY VARY DUE TO FINAL CONDITIONS OF SITE IMPROVEMENTS AND/OR BUILDING.
- FINAL LOCATION OF ALL PLANT MATERIAL AND PLANTING BED OUTLINES SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT.
- ALL AREAS WITHIN THE PLANTING BED LIMITS SHALL BE HAICED WITH 3" OF SHREDDED HARDWOOD BARK.
- ALL LAWN AREAS SHALL BE STABILIZED WITH SEED.
- IRRIGATION SYSTEMS SHALL BE DESIGNED WITH AN AUTOMATIC IRRIGATION CONTROLLER. THE SYSTEM WILL BE DETERMINED IN THE FIELD BY THE IRRIGATION CONTRACTOR.
- ALL PLANT MATERIAL SHALL CONFORM TO GUIDELINES AS SET FORTH IN THE HURON VALLEY RESOURCES CENTER CENTER OF PLANTING GUIDELINES FOR (HURON VALLEY RESOURCES CENTER CENTER OF PLANTING GUIDELINES).
- NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN CONSENT FROM THE LANDSCAPE CONSULTANT FOR THE TOWN OF NEWMBURGH.
- THE OWNER SHALL ENTER INTO A COMPREHENSIVE MAINTENANCE PLAN AGREEMENT WITH A LANDSCAPE CONTRACTOR FOR THE TURT AND PLANTING AREAS. THE MAINTENANCE PLAN SHALL INCLUDE WATERING, MOWING, WEEDING, TRIMMING, AND PRUNING. THE MAINTENANCE PLAN SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT. THE MAINTENANCE PLAN SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT. THE MAINTENANCE PLAN SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT.
- PLANTING MUST BE GUARANTEED FOR TWO FULL GROWING SEASONS FROM THE TIME OF PLANTING AT THE END OF GUARANTEE PERIOD. CONTRACTOR SHALL REMOVE WEAKLING AND CONFLICTING PLANTS/MATERIALS IMMEDIATELY UPON IDENTIFICATION AT THE END OF GUARANTEE PERIOD.
- NEVER CUT CENTRAL TRUNK OR LEADER.

SITE PLANT SCHEDULE

QTY	SYMBOL	PLANT NAME	SIZE	REMARKS
1	1	SHRUBS	3" DIA.	3" DIA. SHRUBS
2	2	SHRUBS	4" DIA.	4" DIA. SHRUBS
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GENERAL PLAN NOTES:

1. THIS PLAN IS TO BE USED FOR LIGHTING PURPOSES ONLY.
2. TYPICAL POLES, LUMINAIRE AND FIXTURES AS SHOWN BY SPALLING LIGHTING.
3. LAMPS ARE TO BE FLUORESCENT, METAL HALIDE, A LIGHT LOSS FACTOR OF 0.72 WAS USED.
4. LUMINAIRE AND POLES ARE TO BE DARK BRONZE.
5. POLE AND LUMINAIRE SPACING SHALL BE PLACED A MINIMUM OF THREE FEET FROM CURBS OR RETAINING WALLS IN CAR PARKING AREAS.
6. POLE LOCATIONS ARE APPROXIMATE AND MAY VARY DUE TO SPECIFIC SITE CONDITIONS. THE LIGHTING CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS IN ORDER TO ACCOMMODATE ALL SITE CONDITIONS.
7. POLE UNITS TO BE COORDINATE WITH MANUFACTURER.
8. LIGHTING SHOWN ON PLAN DENOTES AVERAGE MAINTAINED FOOTCANDLES LISTED AT GARAGE.
9. CONTRACTOR TO PROVIDE SIGHT TRIANGULARS OF LIGHT FIXTURES FOR REVIEW AND APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
10. ELECTRICAL PLANS FOR WIRING LAYOUT BY OTHERS.
11. TO SEE FINAL ARCHITECTURAL PLANS FOR CANOPY AND WALL MOUNTED FIXTURES IN THE VICINITY OF THE BUILDING ACCESS POINTS.

LIGHTING NOTES:

1. TYPICAL POLES, LUMINAIRE AND FIXTURES AS SHOWN BY SPALLING LIGHTING.
2. LAMPS ARE TO BE FLUORESCENT, METAL HALIDE, A LIGHT LOSS FACTOR OF 0.72 WAS USED.
3. LUMINAIRE AND POLES ARE TO BE DARK BRONZE.
4. POLE AND LUMINAIRE SPACING SHALL BE PLACED A MINIMUM OF THREE FEET FROM CURBS OR RETAINING WALLS IN CAR PARKING AREAS.
5. POLE LOCATIONS ARE APPROXIMATE AND MAY VARY DUE TO SPECIFIC SITE CONDITIONS. THE LIGHTING CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS IN ORDER TO ACCOMMODATE ALL SITE CONDITIONS.
6. POLE UNITS TO BE COORDINATE WITH MANUFACTURER.
7. LIGHTING SHOWN ON PLAN DENOTES AVERAGE MAINTAINED FOOTCANDLES LISTED AT GARAGE.
8. CONTRACTOR TO PROVIDE SIGHT TRIANGULARS OF LIGHT FIXTURES FOR REVIEW AND APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
9. ELECTRICAL PLANS FOR WIRING LAYOUT BY OTHERS.
10. TO SEE FINAL ARCHITECTURAL PLANS FOR CANOPY AND WALL MOUNTED FIXTURES IN THE VICINITY OF THE BUILDING ACCESS POINTS.

UNLICENSED ARCHITECT TO A LAMP BEARING A TRADE MARK OF THE MANUFACTURER. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

DATE: _____ DRAWN BY: _____ CHECKED BY: _____

SCALE IN FEET (1"=30')

PLAN NORTH

DRAWING LEGEND

- SWING POLE MOUNTED FIXTURE
- DOUBLE POLE MOUNTED FIXTURE
- LIGHT INTENSITY AT GARAGE

PROJECT INFORMATION

PROJECT NO: 130000398C

DATE: 11/21/14

SCALE: 1"=30'

TOWN OF NEWBURGH, ORANGE COUNTY, N.Y.

PROJECT NUMBER: 130000398C

SHEET NUMBER: 6 of 9

CLIENT INFORMATION

WATCHTOWER BIBLE & TRACT SOCIETY OF NEW YORK, INC.

TAX LOTS 97-2-30.1, 30.22 & 33

DESIGNER INFORMATION

MASER CONSULTING P.A.

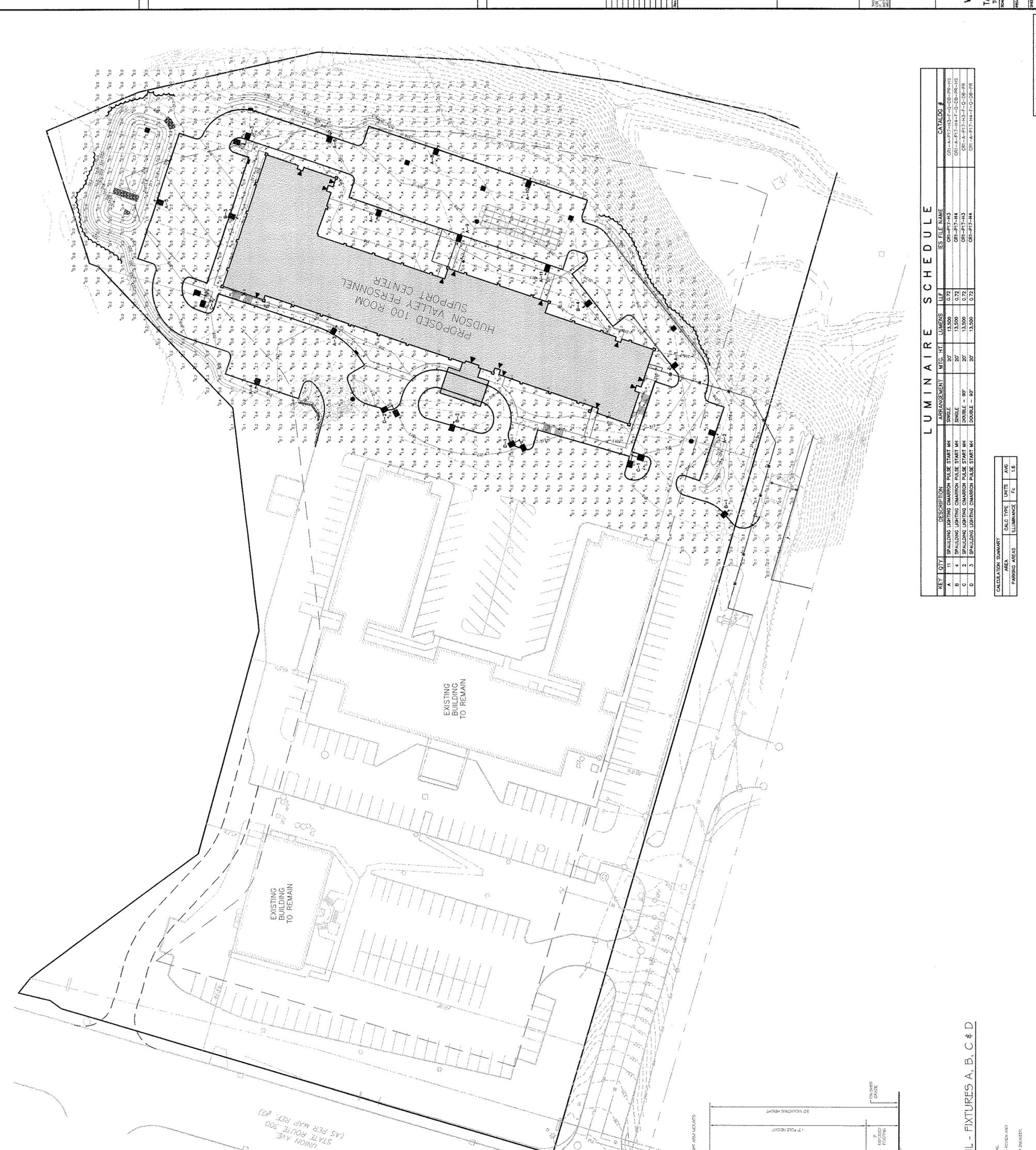
1000 ROUTE 9W, SUITE 200

NEWBURGH, NY 12550

TEL: 845.564.0278

FAX: 845.564.0279

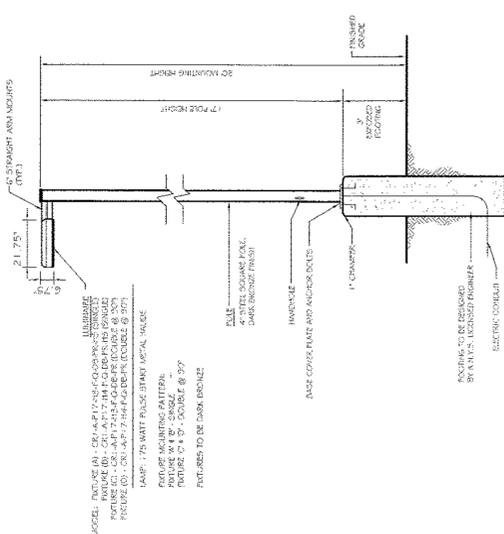
EMAIL: info@maserconsulting.com



LUMINAIRE SCHEDULE

KEY	QTY	DESCRIPTION	ARRANGEMENT	MISC. HT.	LUMENS	IES FILE NAME	CATALOG #
A	11	SPALLING LIGHTING CHAMARRON PULSE START MH	SINGLE	20'	13,500	0.72	CR1-A-P17-H3-F-Q-DB-PR-H3
B	4	SPALLING LIGHTING CHAMARRON PULSE START MH	SINGLE	20'	13,500	0.72	CR1-A-P17-H4-F-Q-DB-PR-H4
C	2	SPALLING LIGHTING CHAMARRON PULSE START MH	DOUBLE - 90°	20'	13,500	0.72	CR1-A-P17-H3-F-Q-DB-PR
D	3	SPALLING LIGHTING CHAMARRON PULSE START MH	DOUBLE - 90°	20'	13,500	0.72	CR1-A-P17-H4-F-Q-DB-PR

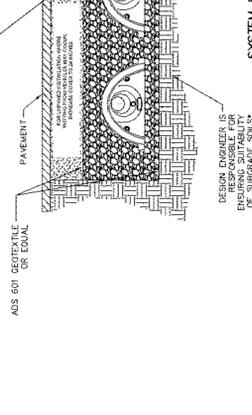
AREA	CALC. TYPE	UNITS	AVG. LUMINANCE	FC	1.6
PARKING AREAS					



GENERAL NOTES:

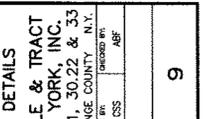
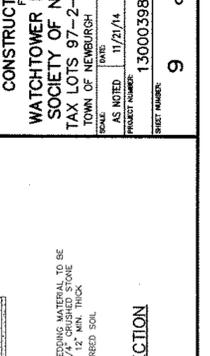
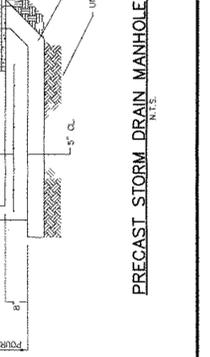
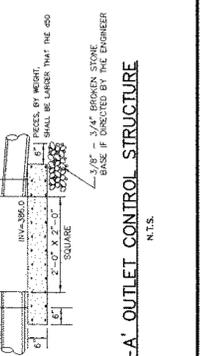
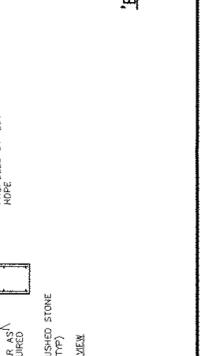
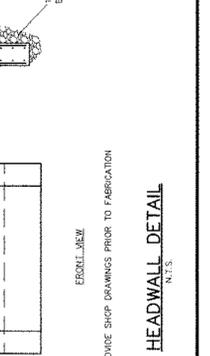
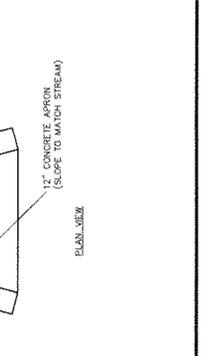
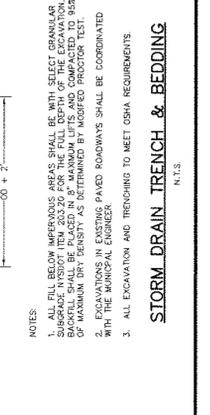
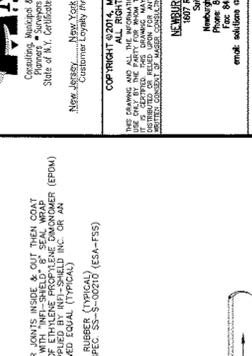
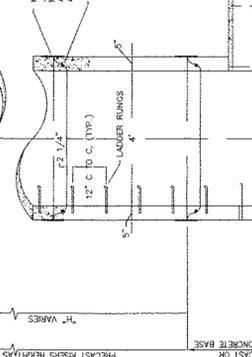
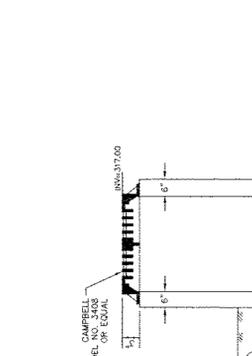
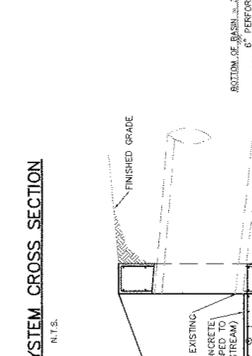
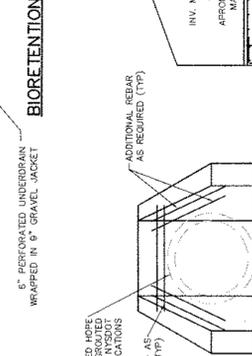
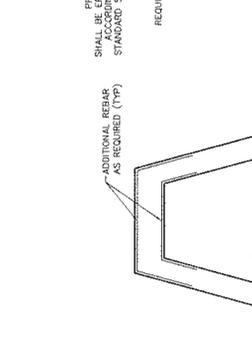
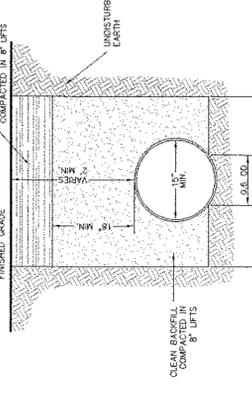
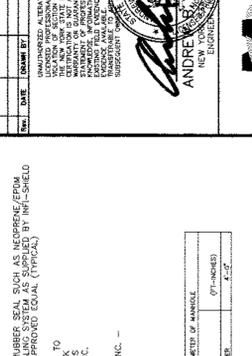
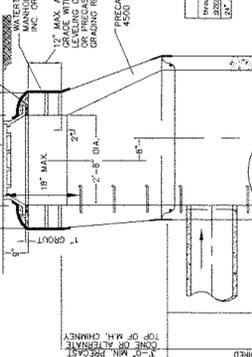
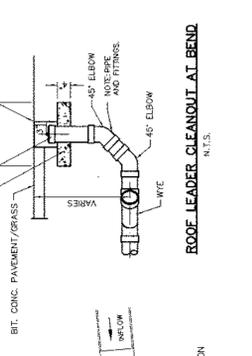
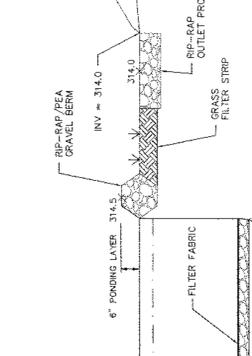
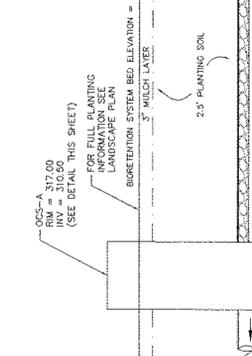
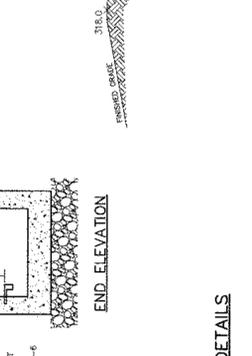
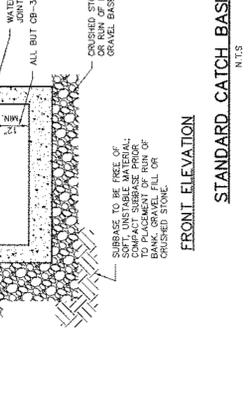
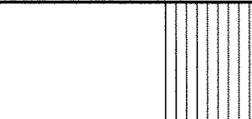
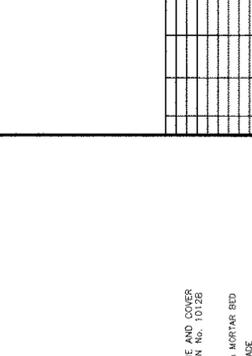
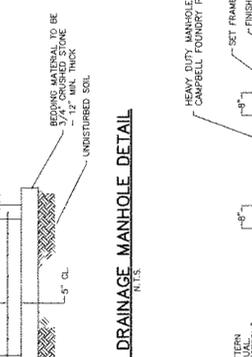
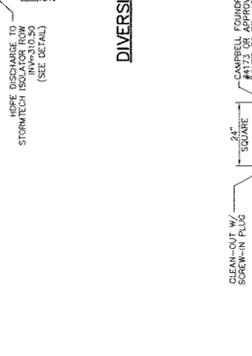
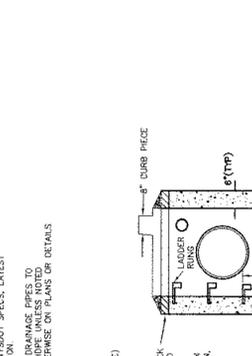
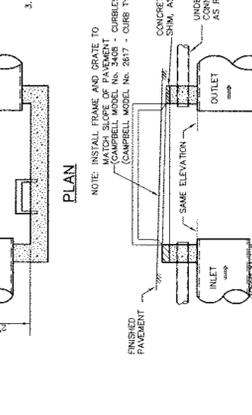
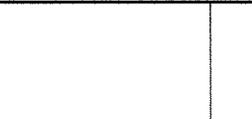
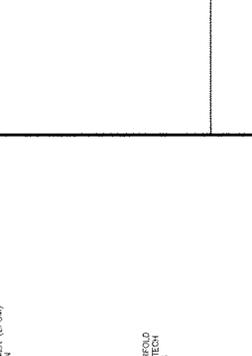
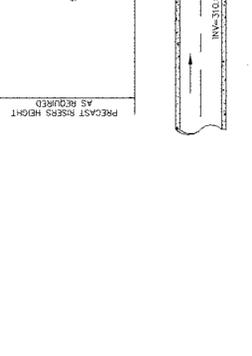
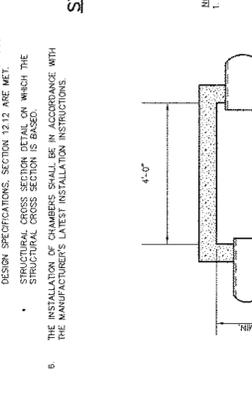
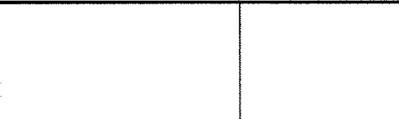
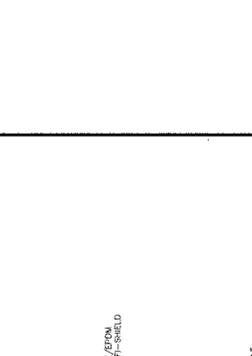
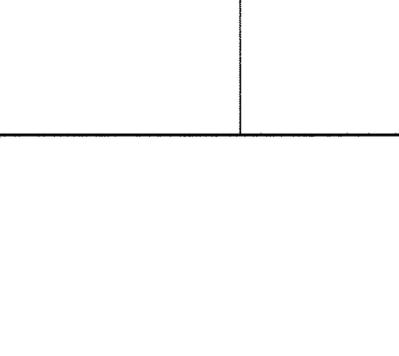
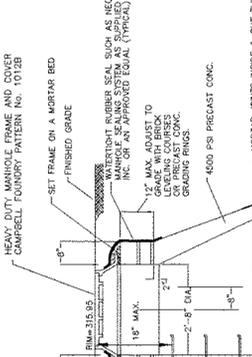
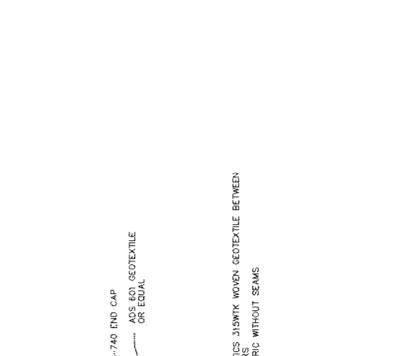
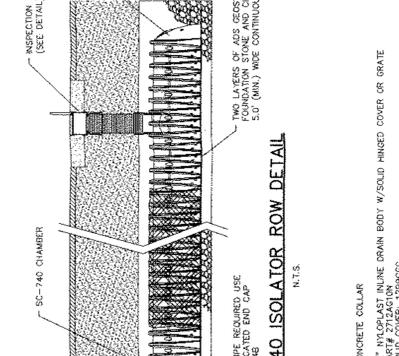
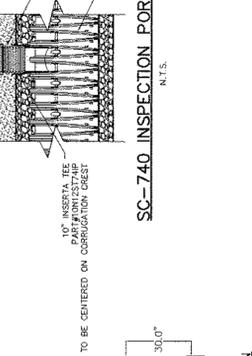
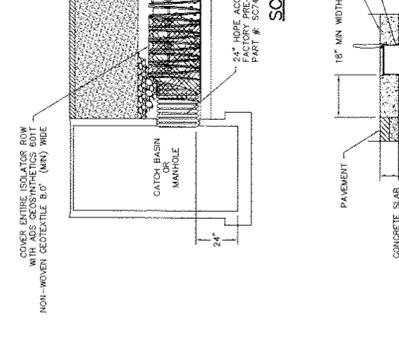
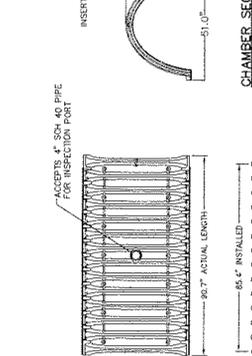
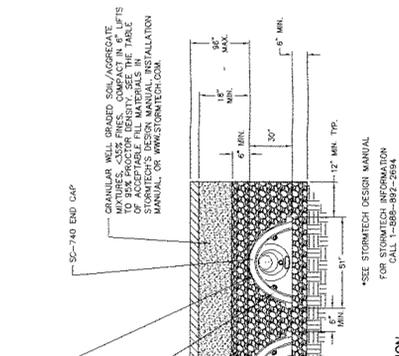
1. LUMINAIRE AND POLE TO BE MANUFACTURED BY SPALLING LIGHTING.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF LIGHT FIXTURES FOR REVIEW AND APPROVAL BY THE OWNER OR PROJECT LANDSCAPE ARCHITECT.
3. FIXTURES TO BE DESIGNED, MANAGED, AND MAINTAINED BY A VMS LICENSED ENGINEER.
4. 110V VOLTAGE TO BE PROVIDED BY ELECTRICAL.

CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND SPECIFICATIONS SPECIFIED IN THE LATEST EDITION OF THE MANNING DESIGN MANUAL FOR CHANNEL CULVERTS WITH IMPACT FACTOR, MULTIPLE PRESSURE FACTOR, AND LANE LOAD.



STORMTECH NOTES:

- CHAMBERS SHALL BE STORMTECH MC-3500 OR APPROVED EQUAL.
- CHAMBERS SHALL BE STORMTECH MC-3500 OR APPROVED EQUAL FOR PERMANENT CONDUITS.
- CHAMBER ROOMS SHALL PROVIDE CONTINUOUS UNRESTRICTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPED FLOW.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL DESIGN FACTORS SPECIFIED IN THE ASHITO LIGHT BRIDGE DESIGN MANUAL DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE PRESSURE FACTOR, SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION INSTRUCTIONS.
- ALL CHAMBERS SHALL BE SUBMIT (3 SETS) OF THE FOLLOWING TO THE ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE WORK AREA:
 - STRUCTURAL DESIGNATION BY A REGISTERED STRUCTURAL ENGINEER THAT DEMONSTRATES THAT THE DESIGN IS IN ACCORDANCE WITH THE ASHITO LIGHT BRIDGE DESIGN MANUAL DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE PRESSURE FACTOR.
 - STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL DESIGN IS BASED.
- THE INSTALLATION OF CHAMBERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION INSTRUCTIONS.



UNDESIGNED ALTERATION TO THIS DRAWING IS PROHIBITED. ANY CHANGES TO THIS DRAWING SHALL BE MADE BY THE ORIGINAL DESIGNER OR HIS AUTHORIZED REPRESENTATIVE. ANY CHANGES MADE BY OTHERS SHALL BE AT THEIR OWN RISK AND WITHOUT THE DESIGNER'S LIABILITY.

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