TOWN OF HENRIETTA
Site Plan Application

APPLICATION NO. _____

PLANNING BOARD ☐ OR ADMINISTRATIVE ☐

DATE: _____

I (we) Rudra Management (Name of Applicant / Business) of 51 Anderson Road (Business Address (Number & Street)) Cheektowaga, New York 14225 (Town, State, Zip) hereby apply to the Planning Board for

Site Plan Review OR Other: Re-approval (expired, no changes to development plans)

on property located at 355 Kenneth Drive (Street & Number) _____ (Zoning District & Tax Account No.)

Previous Reviews, if any, Date: 07/2017 Number: 17-001

DESCRIPTION OF PROPOSAL: _____

The project entails the development of a four story eighty-one (81) room Tru By Hilton hotel on an existing 2.051 acre lot located at 355 Kenneth Drive. Access for the facility will be provided via two proposed ingress/egress points to Kenneth Drive. The site is zoned Industrial (with Specifics). The proposed development plan complies with the parking, area and setback requirements as established in the district. The proposed building height proposed building height of forty-eight feet exceeds the maximum in the district of forty-feet. Sanitary and storm sewer connections will utilize existing onsite systems previously installed or development of the parcel. The water service for the building will connect to public (MCWA) watermain located on the west side of Kenneth Drive.

Applicant: Rudra Management
Address: 51 Anderson Road
Cheektowaga, New York 14225
Phone #: [redacted]
Email: [redacted]

Engineer/Architect: Costich Engineering, DPC
Address: 217 Lake Avenue
Rochester, New York 14608
Phone #: [redacted]
Email: [redacted]

Property Owner: GURU Hotels, LLC
Address: 51 Anderson Road
Cheektowaga, New York 14225
Phone #: [redacted]
Email: [redacted]

Business Owner: Rudra Management
Address: 51 Anderson Road
Cheektowaga, New York 14225
Phone #: [redacted]
Email: [redacted]

Applicant Signature: _____ Print Name: Jayesh Patel

Statement of Applicant and Owner with Respect to Reimbursement of Professional and Consulting Fees

In conjunction with an application made to the Town of Henrietta, the undersigned states, represents and warrants the following:

1) I/We am/are the applicant and owner with respect to an application to the Town of Henrietta.

2) I/We have been advised of, are aware of and agree to comply with the obligation to reimburse the Town of Henrietta for any and all professional and consulting fees incurred by the Town in conjunction with this and any other applications by me/us, including but not limited to engineering and/or legal fees, all as more fully set forth in the Henrietta Town Code.

3) I/We have been provided with, or have otherwise reviewed the Henrietta Town Code provisions related to the obligation to reimburse the Town with respect to professional and consulting fees, and agree to comply with the same.

4) I/We understand that this obligation shall not be dependent upon the approval or success of the application.

5) I/We further agree that in the event the Town of Henrietta is required to refer for collection an outstanding debt for such professional and/or consulting fees due to the Town of Henrietta, I/we shall be obligated to pay the reasonable attorney's fees incurred as a result of the Town's efforts to collect such fees. Reasonable attorney's fees shall also include any and all disbursements that may result from the commencement of litigation.

6) Each party to the application, including the applicant and the owner, shall be jointly and severally liable for all consulting and professional fees and expenses incurred in conjunction with the application.

Applicant: Rudra Management

By: Jayesh Patel

Title: President & CEO

Dated: 05/09/2023

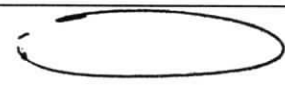
Signed: 

Owner: GURU Hotels, LLC

By: Jayesh Patel

Title: President & CEO

Dated: 05/09/2023

Signed: 

COSTICH

Project No. 6315

May 9, 2023

Planning Board
Town of Henrietta
475 Calkins Road
Henrietta, NY 14467

Re: Tru By Hilton – 355 Kenneth Drive
Site Plan Application – Re-approval

Dear Members of the Board:

On Behalf of our client Rudra Management, we are submitting materials for review for the above referenced project. We are requesting that the project be added to the June 20th, 2023 Planning Board Agenda for re-approval of Site Plan for the project. The previously granted Site Plan approvals have expired.

The project entails the development of a four story eighty-one (81) room Tru By Hilton hotel on an existing 2.051 acre lot located at 355 Kenneth Drive. Access for the facility will be provided via two proposed ingress/egress points to Kenneth Drive.

The development of the site for the Hotel requires re-approval of two (2) Special Use Permits from the Town Board. Application has been made to the Town Board for re-approval of the previously granted Special Use Permits which have expired. Separate application has been made to the Town Board for re-approval of the Special Use Permits.

The site is zoned Industrial (with Specifics). The Town's Zoning Ordinance permits the use of hotels within the Industrial (with Specifics) district. The proposed development plan complies with the parking, area and setback requirements as established in the district.

Final Site Plan approval was previously granted by the Planning Board at its July 11th, 2017 and June 13th, 2017 hearings. The project did not advance to construction at that time as the owner was working on financing for the project and then was delayed due to COVID. The Owner has secured their financing and is looking to construct the project. There have been no physical changes to the proposed project.

To aid in your review enclosed please find the following materials:

- Fourteen (14) copies of this Letter of Intent
- Fourteen (14) copies of the Site Plan
- Fourteen (14) copies of the Architectural Elevations (reduced)
- Fourteen (14) copies of the Architectural Color Rendering (reduced)
- Fourteen (14) copies of the Planning Board Approval Resolutions
- Fourteen (14) copies of the Lighting Catalog Cut Sheets
- One (1) copy of the Planning Board Application
- One (1) copy of the executed Reimbursement of Professional and Consulting Fees Agreement
- One (1) copy Property Interest Letter
- One (1) copy of Franchise Authorization for Tru By Hilton
- One (1) copy of the SEAF that was submitted for when the Negative Declaration was issued
- One (1) copy of the NYS Office of Parks, Recreation, and Historic Preservation (SHPO) No effect determination letter
- Two (2) copies of the SWPPP Report
- One 1) copy of the Site Plan Check List
- One (1) check for $150.00, Site Plan Application Fee
- One (1) check for $700.00, Engineering Review Fee

We look forward to appearing before the board at its June 20th hearing for re-approval of the site plan associated with the project. In the meantime if you should have any questions or require additional information, please do not hesitate to contact our office.

Respectfully submitted,

Michael P. Montalto
COSTICH ENGINEERING

Cc: Jayesh Patel – Rudra Management
Philip Silvestri – Silvestri Architects

SITE PLAN CHECKLIST

PROJECT NAME: _____ APPLICATION No. _____

- ❑ 1 Acceptable plans size to match the New York State Legal Filing Size (22" x 34"), prepared with india ink on mylar.

2 Except in the simplest form of site plan application, the proposal package should contain at least the following drawings:

- ❑ a. Site Plan
- ❑ b. Utility Plan
- ❑ c. Grading Plan
- ❑ d. Landscape Plan
- ❑ e. Lighting Plan
- ❑ f. Profiles and Construction Details
- ❑ g. Building Elevations

3 The Title Block should contain the following:

- ❑ a. Proposed Name of Development
- ❑ b. Location of Development
- ❑ c. Name, Address, and Telephone Number of Developer or Applicant
- ❑ d. Name, Address, and Seal of Engineer, Architect, and/or Land Surveyor

- ❑ 4 Show General Location Map (sketch). North should be located at the top of the drawing.
- ❑ 5 A scale of not more than fifty feet to the inch is to be used.
- ❑ 6 Show names and tax account numbers of adjacent lands.
- ❑ 7 Indicate zoning by note. If more than one area, delineate the zoning on the plan view.
- ❑ 8 By plan note, list all variances and special permits accompanied by Application Number and approval date.
- ❑ 9 Show dimensions and bearings or angles of all property boundary lines. Show area to nearest square foot and 0.00+ acres
- ❑ 10 Show a tie distance from the proposed site to nearest road intersection
- ❑ 11 Show location width and type of all existing and/or proposed easements on the plan. Also, tabulate all of the easements on the plan and key by identifying numbers.

SITE PLAN CHECKLIST

PROJECT NAME: _____ APPLICATION No. _____

- ❑ 12 All State, County, and Town Survey Monuments on the site and within 100 feet of the site must be shown. Indicate on the plan the proposed protection from damage for the "on site" monuments. If no monuments exist on the site, a certifiction to that affect shall be placed on the plan by the surveyor.

- ❑ 13 A Letter of Credit in the amount of $1,000.00 per monument will be required as protective measure for all Town, County, State, and Federal Monuments on site or those affected by the proposed construction.

- ❑ 14 List the names of existing streets, their legal width, and jurisdiction.

- ❑ 15 Show all existing driveways (curb cuts) within two hundred (200) feet of the proposed development as well as driveways (curb cuts) within two hundred (200) feet on the opposite side of the road.

- ❑ 16 Show planned use for the proposed structure (i.e. office etc).

- ❑ 17 Show proposed and/or existing setbacks.

- ❑ 18 Show parking requirements (indicate the proposed and required).

- ❑ 19 Show the fire lanes.

20 The Landscaping Plan must be of the same scale as the Site Plan and contain the following minimums:

- ❑ a. To scale plot of proposed trees and/or shrubs
- ❑ b. The plan must contain a table of quantities. ***See Appendix for proper requirements.***
- ❑ c. Enlargement details for areas of proposal that are not legible at the plan scale.
- ❑ d. The Planning Board requires that the Landscape Plan be signed off by a Licensed Landscape Architect or Certified Nursery Professional.
- ❑ e. The Planning Board may also require that the proposed landscape be installed by a Certified New York State Nurseryman.
- ❑ f. The Planning Board may require a Letter of Credit in the amount of the Landscape Contract and that the Letter of Credit be for a two year period to guarantee growth.
- ❑ g. The Planning Board may also require that a Landscape Record Drawing, certified by a Licensed Archited, be provided. (Note: a Letter of Credit will be required to insure completion.)

- ❑ 21 All architecture plans must include elevation drawings of the proposed structure and be fully dimensioned, horizontally and vertically.

SITE PLAN CHECKLIST

PROJECT NAME: _____ APPLICATION No. _____

- ❑ 22 Indicate the architectural treatment of the proposed and/or existing buildings, including the type and color of the proposed finish materials. All proposed buildinngs should have a masonry front (road view) elevation. Renovation to existing buildings will be evaluated on an individual basis.

- ❑ 23 Please plan to bring samples of the proposed architectural materials to the meeting.

- ❑ 24 The following statement should appear on all Site Plans:
  "As an integral part of this approval, the Planning Board expressly approves the color, textures, and finish of the building as depicted on site elevations or other documents submitted with this application. Any proposed change in color, texture, or finish of the building, from that approved by the Planning Board shall require a re-application for review and approval of the Planning Board."

- ❑ 25 A separate Lighting Plan will be provided showing the proposed lighting to the nearest candle power, as measured at ground level. See Appendix.

- ❑ 26 Indicate existing and/or proposed lighting locations, including height, type, and wattage. The Planning Board may require that a Lighting Record Plan certified by a Professional Engineer by supplied.

- ❑ 27 Show existing and proposed contours based on U.S.C. & G.S. Datum. Reference source of datum and show plan benchmarks. All contours shall be carried a minimum of one hundred (100) feet offsite.
- ❑ 28 Show existing drainage system and proposed drainage system. Storm drainage to offsite facilities must be shown on plan and profile to the satisfaction of the Town Engineering Department.

- ❑ 29 If the parking lot is to be used for stormwater detention, limits of this area are to be indicated on the site and grading plans.
- ❑ 30 Show wetland and buffer zone limits (when applicable).

- ❑ 31 Show floodplain and floodway limits (when applicable).

- ❑ 32 In plan and profile, show location, size, rim elevations, and all invert elevations of the existing sanitary sewers. Include the nearest manhole on either side of the proposed development.

- ❑ 33 In plan and profile, show location of the proposed sanitary sewer systems including sewer systems including proposed laterals (plan only). Include all proposed elevations, grades, pipe

PROJECT NAME: _____ APPLICATION No. _____

sizes, and details of any water crossings.

- ❑ 34 Show location and size of proposed water services and/or watermains including shutoff valves.

- ❑ 35 Show location of fire protection systems components.

- ❑ 36 Show location of dumpster (when applicable). All dumpsters must be enclosed in a masonry enclosure on three side with a gate on the fourth and shall be finished to match the proposed or existing structure. The closure should not be visible to the public.

- ❑ 37 Indicate a curbed landscape mall with a minimum width of twenty (20) feet as required in commercial lands and industrial lands granted commercial use by special permit. Full depth cast-in-place concrete curb or granite curb must be installed.

- ❑ 38 The Site Plan must be prepared from a current Instrument Survey (less than 12 months old). The Instrument Survey shall be certified as having been prepared using the current New York State Association of Professional Land Surveyors (NYSAPLS) Code of Practice and the Genesee Valley Land Surveyors Association - Monroe County Bar Association (GVLSA-MCBA) Standards. Credit the Instrument Survey and supply four copies of the map the Town Engineer.

- ❑ 39 If the site contains materials to be buried on site, the Burial Area should be outlined on the Site and Grading Plan.

- ❑ 40 Site distance, existing and required, must be shown at driveway locations on all main roads. See Appendix.

- ❑ 41 Upon Site Plan Approval, a Letter of Credit shall be furnished to ensure site plan improvements and requirements. See Appendix.

- ❑ 42 Required supporting data and/or Reports:
    a. Environmental Assessment Form (one copy) (Short Form or Part 1 Long Form)
    b. Drainage Report (two copies)
    c. Traffic Report if required (twelve copies)
    d. Lighting catalog cuts (copy with each set of plans)
    e. Architectural Renderings
    f. Letter of Credit Estimate (one copy).
    g. Engineering Review Charge and Engineering Site Inspection Charge Form.

SITE PLAN CHECKLIST

PROJECT NAME: _____ APPLICATION No. _____

See Appendix.

- ❑ 43 Thirty (30) sets of folded plans will be required
- ❑ 44 Is this project a TYPE I Action? If so, then an additional seven (7) sets of plans will be required for the Coordinated Review process (37 sets of plans total).

Prepared for: _____ _____

Name of Developer Date

_____

Company Name

_____

Street Address

_____

City, State, Zip

_____

SITE PLAN CHECKLIST

PROJECT NAME: _____ APPLICATION No. _____

Telephone Number

Prepared by: _____ _____

Name of Consultant Date

_____

Company Name

_____

Street Address

_____

City, State, Zip

[redacted] _____

Telephone Number

SITE PLAN CHECKLIST
APPENDIX

1 Landscape Table

2 Sight Distance Table

3 Short Environmental Form

4 Letter of Credit Summary

5 Plan Review Charge and Site Inspection Charge Form Letter

6 Engineering Review Charge and Engineering Site Inspection Charge Form

7 Sample Lighting Plan

LANDSCAPE TABLE

1 The Landscape Table must include identification symbol, quantities, common name, botanical name, caliper for deciduous trees, or heights for evergreen trees, and a remarks column.

2 All deciduous trees must be a minimum of 3 inches to 3 1/2 inches in diameter, as measured at caliper (6 inches above ground).

3 All ornamental deciduous trees must be a minimum of 2 1/2 inches to 3 inches in diameter, as measured at caliper (6 inches above ground).

4 All evergreen trees must be a minimum height of 6 feet to 8 feet, unless otherwise requested, bagged and balled.

5 Low shrubs should be a minimum of 24 inches high.

6 Along arterial and collector roads, the Planning Board requires the use of salt resistant species.

Application Number: _____

Site Plan and Subdivision Application
Engineering Review Charges

All Site Plan and Subdivision Applications are subject to be reviewed by the Town Engineering Department and/or Consultant Forces. All costs incurred in providing this service are a direct charge to the Applicant or his designee. The responsible person and/or party in this matter shall be identified in the following listing:

Responsible Individual _____

Responsible Firm _____

Street Address _____

City, State, Zip Code _____

Telephone Number [redacted] _____

Engineering Site Inspection Charges

All Residential and Business Development are subject to be inspected by the Town Engineering Department and/or Consultant Forces. All costs incurred in providing this service are a direct charge to the Applicant or his designee. The responsible person and/or party in this matter shall be identified in the following listing:

Responsible Individual _____

Responsible Firm _____

Street Address _____

City, State, Zip Code _____

Telephone Number [redacted] _____

Note: When this information has been provided by another party, the following information needs to be provided:

Provided By _____

Address _____

City, State Zip _____

Telephone Number [redacted] _____

RUDRA
MANAGEMENT

Date: 05/11/2023

Town of Henrietta

475 Calkins Road

Henrietta, New York 14623

Re: Property Interest – 355 Kenneth Drive

Tru By Hilton

To Who It May Concern:

I Jayesh Patel am the President and CEO of RUDRA Management and GURU Hotels, LLC. GURU Hotels, LLC is the corporate entity in which the property is owned. RUDRA Management is the business name in which we operate our hotels.

Jayesh Patel, Member/CEO

Hilton

Robert Giardino
Senior Director – Franchise Development
Northeast Region
(Pennsylvania, Virginia, New Jersey,
Delaware, Maryland, New York)

Hilton Worldwide
755 Crossover Lane
Memphis, TN 38117
+1 901 374 5107 tel
+1 901 219 1876 m

May 12, 2023

Tom Zawadzki
VP of Development and Finance
[redacted]

RE: Tru by Hilton Rochester Henrietta, NY

Dear Tom,

In accordance with the executed franchise agreement dated 10/2016 between Hilton and Jayesh Patel, you are authorized to develop a Tru by Hilton hotel located at 335 Kenneth Drive Henrietta, NY.

We look forward to bringing this award winning brand to the Henrietta market with you.

Regards,

Robert Giardino

ADDENDUM TO FRANCHISE AGREEMENT

Effective Date:	**September 12, 2016**
Facility Number:	**52339**
Franchisor Name:	**HILTON FRANCHISE HOLDING LLC, a Delaware limited liability company**
Brand:	**Tru by Hilton** **The Brand does not mean Hilton Worldwide, its Affiliates, or any other brands, chains of hotels or product lines that include the "by Hilton" tagline in the name.**
Initial Approved Hotel Name (Trade Name):	**Tru by Hilton Henrietta Rochester**
Principal Mark in Brand:	**Tru**
Franchisee Name and Address (Attn: Principal Legal Correspondent):	**Jayesh Patel** **51 Anderson Road** **Cheektowaga, NY 14225** [redacted]
Address of Hotel:	**335 Kenneth Drive** **Henrietta, NY 14623**
Initial Number of Approved Guest Rooms:	**82**
Plans Submission Dates:	
Preliminary Plans:	**January 12, 2017**
Design Development (50%) Plans and Specifications:	**May 12, 2017**
Final (100%) Plans and Specifications:	**September 12, 2017**
Construction Commencement Date:	**December 12, 2017**
Construction Work Completion Date:	**December 12, 2018**
Renovation Commencement Date:	**Not applicable**
Renovation Work Completion Date:	**Not applicable**
Expiration Date:	**At midnight on September 30, 2038**
Monthly Fees:	
Monthly Program Fee:	**four percent (4%) of the Hotel's Gross Rooms Revenue for the preceding calendar month. The Monthly Program Fee is subject to change by us. Any change may be established in the Standards, but the rate will not exceed the standard Monthly Program Fee as of the Effective Date plus one percent (1%) of the Hotel's Gross Rooms Revenue during the Term**

Monthly Royalty Fee:	**Three percent [redacted] of the Hotel's Gross Rooms Revenue for the preceding calendar month** for first twelve (12) full calendar months after the Opening Date (Year 1) **Four percent [redacted] of Gross Rooms Revenue for the preceding calendar month** for the second twelve (12) full calendar months after the Opening Date (Year 2) **Five percent (5%) of Gross Rooms Revenue for the preceding calendar month** for the remainder of the Term

Additional Requirements/Special Provisions:

Subsection 13.2.2 - Permitted Transfers That Require Notice and our Consent: MODIFIED

Before commencement of Construction Work, but not later than December 12, 2017, you must submit to us evidence satisfactory to us showing your (or Guarantor's) title to, or long term possessory interest in, the real property on which the Hotel will be sited (i.e. a conformed copy of the deed or ground lease submitted for recording or like document) in accordance with Subsection 5.1.16 of the Agreement.

Restricted Area Provision

Notwithstanding the provisions of Section 2 of this Agreement, from the Effective Date until midnight on the day before the fourth (4th) anniversary of the **Effective Date, i.e., September 11, 2020** (the "**Restrictive Period**"), neither we nor any of the Entities will open, or allow to open, a hotel or motel under the Brand, as such Brand name may be periodically changed by us, within the **Restricted Area** described below. This restriction does not apply to any hotel or motel that is currently open or under construction or has been approved for development or opening as a Brand hotel as of the Effective Date ("**Existing Hotel**"). The term Existing Hotel also includes any hotel located or to be located within the Restricted Area that replaces such Existing Hotel under the Brand.

The restrictions also do not apply to: (1) any hotel(s) or motel(s) under brands other than the Brand; (2) any hotel(s) or motel(s) that will not begin operating under the Brand until after the expiration of the Restrictive Period; (3) any gaming-oriented hotels or facilities using the Brand; (4) any shared ownership properties (commonly known as "vacation ownership" or "time share ownership" or similar real estate properties) under the Brand; and (5) any hotel(s), motel(s), or inn(s) that are part of a chain or group of four (4) or more hotels, motels, or inns that we or the Entities, as a result of a single transaction or group of related transactions, own, operate, acquire, lease, manage, franchise, license, or join through a merger, acquisition or marketing agreement (or otherwise), whether under their existing name or the Brand name or any other name.

Restricted Area as used in this provision means the area located within a two (2)-mile radius of the front door of the Hotel.

Your Ownership Structure:

See Attached Schedule 1

EXHIBIT A - STATE ADDENDA

IN WITNESS WHEREOF, the Parties have executed this Agreement, which has been entered into and is effective as of the Effective Date set forth above.

FRANCHISEE:

JAYESH PATEL

Executed on: 10/11/16

FRANCHISOR:

HILTON FRANCHISE HOLDING LLC,
a Delaware limited liability company

By:

Name: Scott Schmidt

Title: Authorized Signatory

Executed on: 10/12/2016

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information

Name of Action or Project:
Tru By Hilton (Henrietta, NY)

Project Location (describe, and attach a location map):
355 Kenneth Drive Rochester, NY 14623

Brief Description of Proposed Action:
Associated municipal approvals for development parcel located at 355 Kenneth Road in the Town of Henrietta. The project entails the development of a four story eighty-one (81) room Tru By Hilton hotel on an existing 2.051 acre lot located at 335 Kenneth Drive. Access for the facility will be provided via two proposed ingress/egress points to Kenneth Drive.

The site is zoned Industrial (with Specifics). The Town's Zoning Ordinance permits hotels within the Industrial (with Specifics). The proposed development plan complies with the parking, area and setback requirements as established in the district. Sanitary and storm sewer connections will utilize existing on-site systems previously installed for development of the parcel. The water service for the building will connect to public (MCWA) watermain located on the west side Kenneth Drive.

Name of Applicant or Sponsor:	Telephone: [redacted]
Rudra Management	E-Mail: [redacted]

Address:
51 Anderson Road

City/PO:	State:	Zip Code:
Cheektowaga	New York	14225

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☑	☐
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: NYSDEC - SPDES Permit, MCWA - Backflow & Watermain Connection, MCDOH-Backflow	☐	☑

3.a. Total acreage of the site of the proposed action? 2.051 acres
b. Total acreage to be physically disturbed? 2.0 +/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 2.051 acres

4. Check all land uses that occur on, adjoining and near the proposed action.
☐ Urban ☑ Rural (non-agriculture) ☑ Industrial ☑ Commercial ☐ Residential (suburban)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____
☐ Parkland

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?	NO	YES
If Yes, identify: _____	☑	☐
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☑	☐
b. Are public transportation service(s) available at or near the site of the proposed action?	☐	☑
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	☐	☑
9. Does the proposed action meet or exceed the state energy code requirements?	NO	YES
If the proposed action will exceed requirements, describe design features and technologies: _____	☐	☑
10. Will the proposed action connect to an existing public/private water supply?	NO	YES
If No, describe method for providing potable water: _____	☐	☑
11. Will the proposed action connect to existing wastewater utilities?	NO	YES
If No, describe method for providing wastewater treatment: _____	☐	☑
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	☑	☐
b. Is the proposed action located in an archeological sensitive area?	☐	☑
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☑	☐
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	☑	☐
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☑ Early mid-successional
☐ Wetland ☐ Urban ☐ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☑	☐
16. Is the project site located in the 100 year flood plain?	☑	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	NO	YES
If Yes,		
a. Will storm water discharges flow to adjacent properties? ☑ NO ☐ YES	☐	☑
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?		
If Yes, briefly describe: ☐ NO ☑ YES		

Post-attenuated flows will discharge to existing Kenneth Road stormwater conveyance systems.

	NO	YES
18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: Underground chamber systems for purposes of stormwater attenuation in accordance with NYSDEC Phase II requirements.	☐	☑
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe:	☑	☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe:	☑	☐

I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

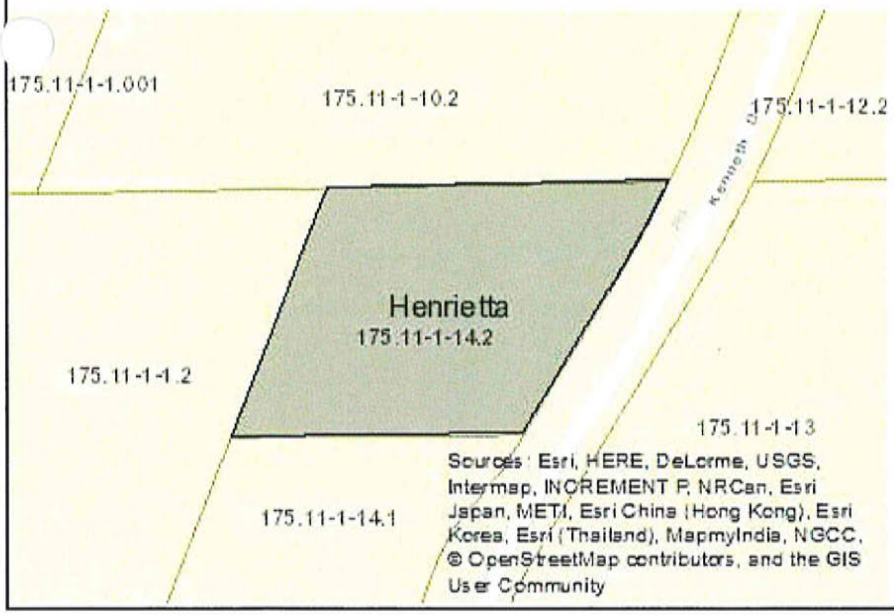
Applicant/sponsor name: Alex Amering - Costich Engineering (Agent for Applicant) Date: 1/26/2017

Signature: Alex M. Amering

PRINT FORM

EAF Mapper Summary Report

Wednesday, January 25, 2017 3:43 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National Register of Historic Places]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	No
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

NEW YORK
STATE OF
OPPORTUNITY.

Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

February 03, 2017

Mr. Alex Amering
Project Engineer
Costich Engineering, DPC
217 Lake Avenue
Rochester, NY 14608

Re: DEC
TRU By Hilton
355 Kenneth Drive, Henrietta, NY
17PR00633

Dear Mr. Amering:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the New York State Office of Parks, Recreation and Historic Preservation's opinion that your project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Michael F. Lynch, P.E., AIA

Director, Division for Historic Preservation

D-Series Size 1
LED Area Luminaire

Catalog Number: DSX1 P2 40K T2S MVOLT HS DDBXD
DSX1 P2 40K T2M MVOLT DDBXD
DXSX1 P2 40K T3S MVOLT HS BXD

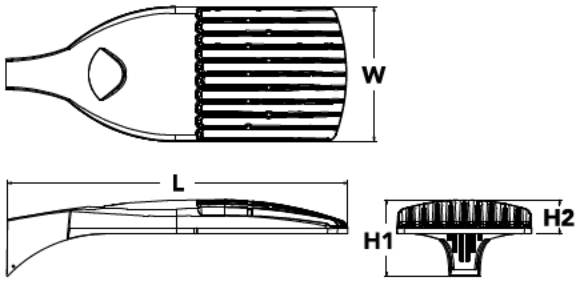
Notes

Type: PK2
PK2A
PK3, PK33

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33″ (83.8 cm)
Width:	13″ (33.0 cm)
Height H1:	7-1/2″ (19.0 cm)
Height H2:	3-1/2″
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 P2 P5 P8 P3 P6 P9 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2] LCCO Left corner cutoff[2] RCCO Right corner cutoff[2]	MVOLT[3] 120[4] 208[4] 240[4] 277[4] 347[4,5] 480[4,5]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[6] RPUMBA Round pole universal mounting adaptor[6] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options		Other options	Finish *(required)*
Shipped installed		**Shipped installed**	DDBXD Dark bronze
NLTAIR2 nLight AIR generation 2 enabled[8]	PIR High/low, motion/ambient sensor, 8–15′ mounting height, ambient sensor enabled at 5fc[15,16]	HS House-side shield[17]	DBLXD Black
PIRHN Network, high/low motion/ambient sensor[9]	PIRH High/low, motion/ambient sensor, 15–30′ mounting height, ambient sensor enabled at 5fc[15,16]	SF Single fuse (120, 277, 347V)[4]	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate)[10]	PIR1FC3V High/low, motion/ambient sensor, 8–15′ mounting height, ambient sensor enabled at 1fc[15,16]	DF Double fuse (208, 240, 480V)[4]	DWHXD White
PER5 Five-pin receptacle only (controls ordered separate)[10,11]	PIRH1FC3V Bi-level, motion/ambient sensor, 15–30′ mounting height, ambient sensor enabled at 1fc[15,16]	L90 Left rotated optics[1]	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate)[10,11]	FAO Field adjustable output[14]	R90 Right rotated optics[1]	DBLBXD Textured black
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[12]		**Shipped separately**	DNATXD Textured natural aluminum
DS Dual switching[12,13,14]		BS Bird spikes[18]	DWHGXD Textured white
		EGS External glare shield[18]	

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell – SSL twist-lock (120-277V) [19]
DLL347F 1.5 CUL JU	Photocell – SSL twist-lock (347V) [19]
DLL480F 1.5 CUL JU	Photocell – SSL twist-lock (480V) [19]
DSHORT SBK U	Shorting cap [19]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5[17]
DSX1HS 40C U	House-side shield for P6 and P7[17]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12[17]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)[20]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [6]

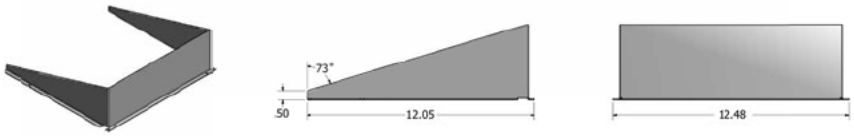
For more control options, visit DTL and ROAM online.

NOTES

1 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
2 Not available with HS.
3 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
5 Not available in P1 or P10.
6 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
7 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
8 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
9 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
10 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
11 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
12 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
13 Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
14 Reference Motion Sensor table on page 4.
15 Reference controls options table on page 4 to see functionality.
16 Not available with other dimming controls options
17 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
18 Must be ordered with fixture for factory pre-drilling.
19 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
20 For retrofit use only.

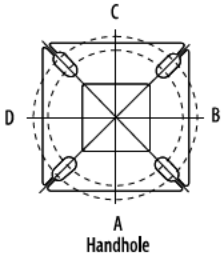
Options

EGS - External Glare Shield

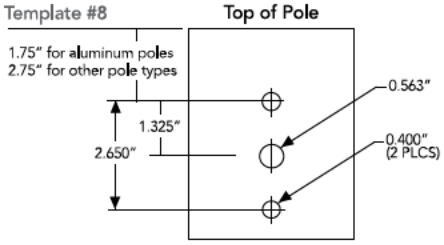


Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter **

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

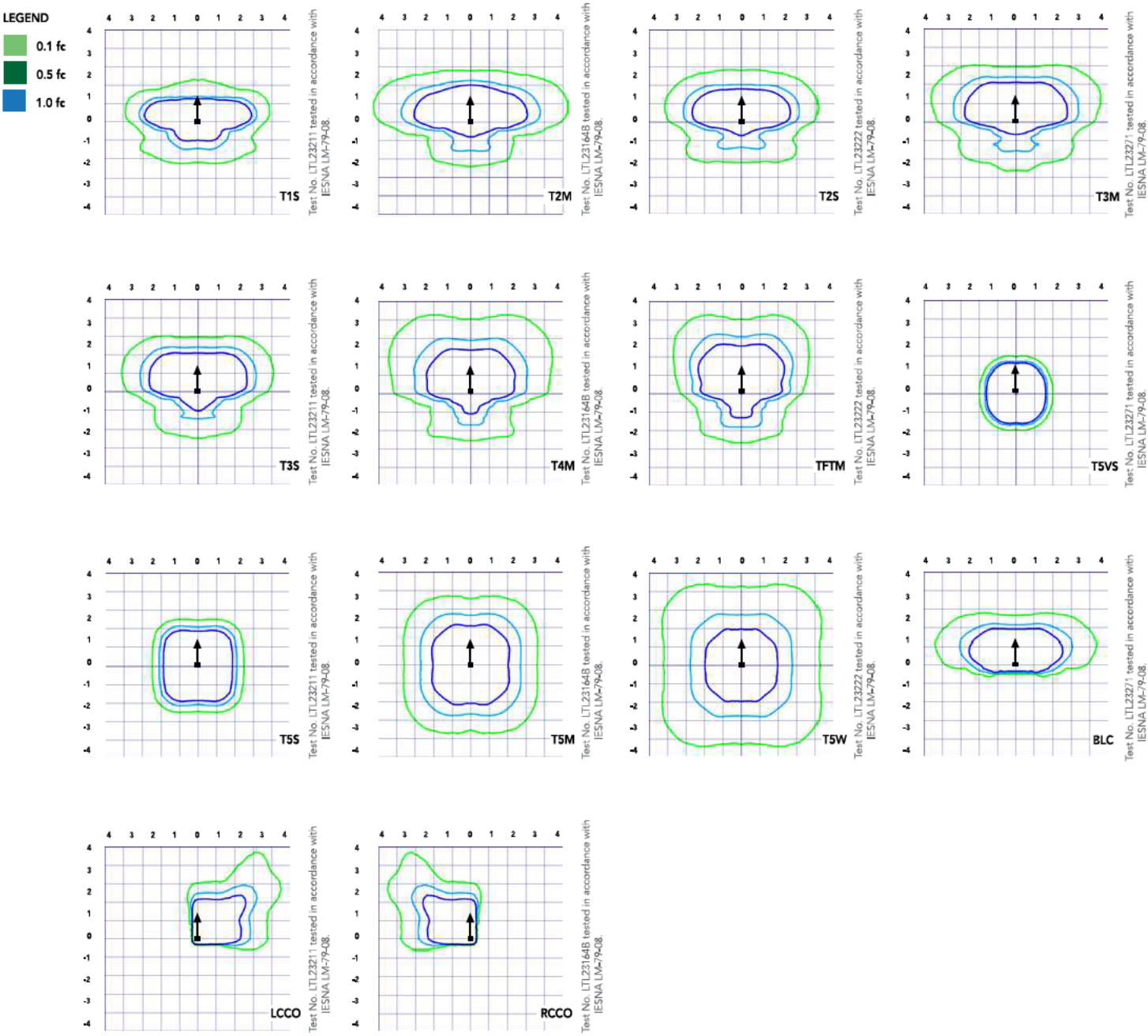
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	Descripton	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independantly for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two seperately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptide	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Edypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	**P6**	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	**P7**	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	**P8**	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	**P9**	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	**P10**	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	**P11**	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	**P12**	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	**P13**	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.
Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

TRU BY HILTON

COSTICH ENGINEERING
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• Land Surveying
• Landscape Architecture
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East Elevation

North Elevation

West Elevation

South Elevation

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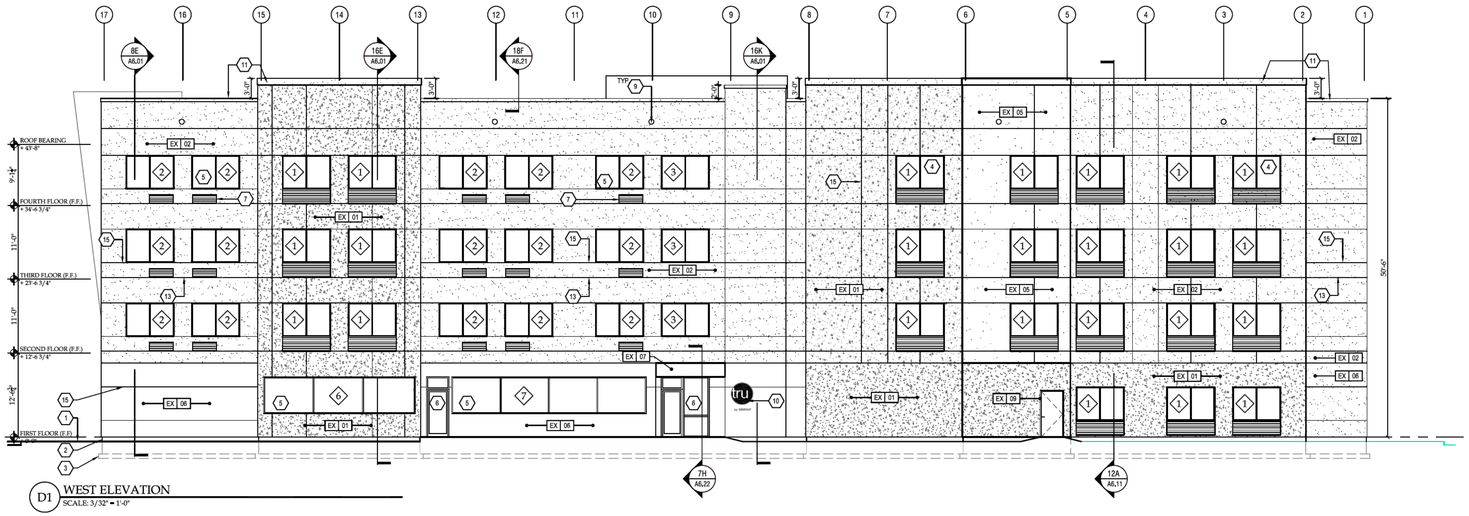
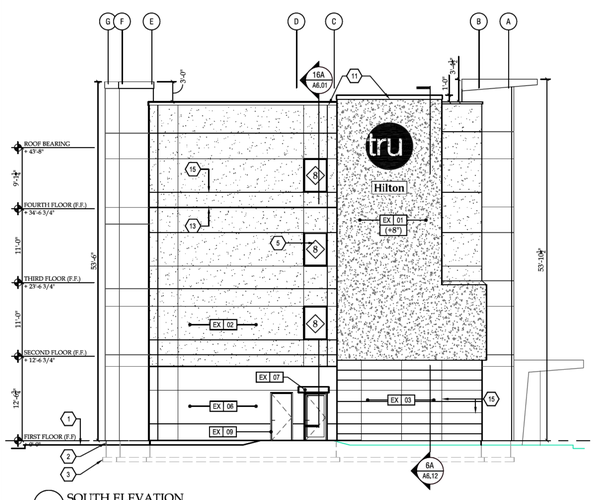
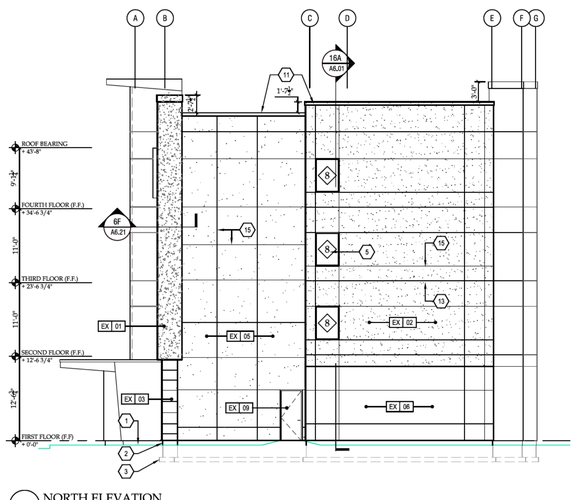


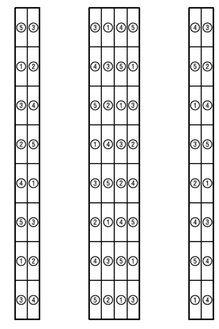
D1 WEST ELEVATION
SCALE: 3/32" = 1'-0"



B1 SOUTH ELEVATION
SCALE: 3/32" = 1'-0"



B2 NORTH ELEVATION
SCALE: 3/32" = 1'-0"



B4 COLOR DIAGRAM
SCALE: 3/32" = 1'-0"

EX 04 FINISH LEGEND

MINIMUM OF 2 COATS OVER SANDBLAST HDP-TRUH 01 2740

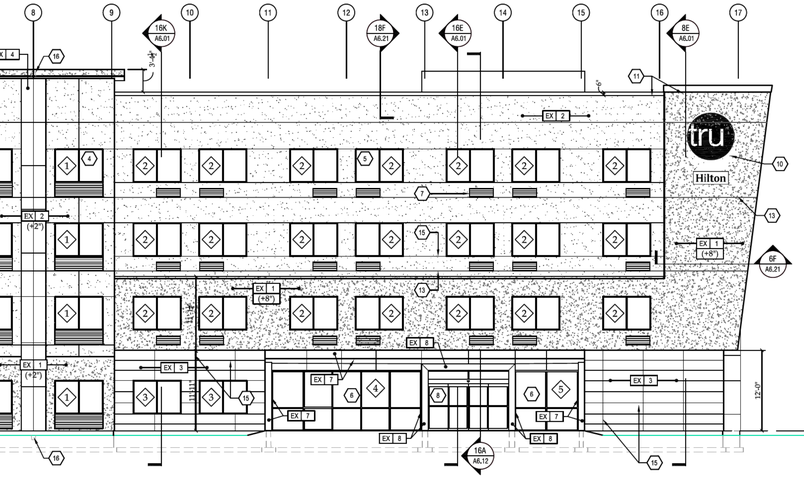
COLOR 1: TRUH 04 10895 WITH "STRATOTONE" HIGH PERFORMANCE COLORANT- PANTONE PMS PROCESS YELLOW, OR BENJAMIN MOORE 2022-50 BRIGHT YELLOW

COLOR 2: TRUH 05 10895 WITH "STRATOTONE" HIGH PERFORMANCE COLORANT- PANTONE PMS PROCESS CYAN, OR BENJAMIN MOORE 2059-50 YOSEMITE BLUE

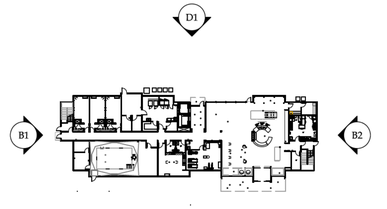
COLOR 3: TRUH 06 10895 WITH "STRATOTONE" HIGH PERFORMANCE COLORANT- PANTONE PMS #317C, OR BENJAMIN MOORE 2048-60 JAMAICAN AQUA

COLOR 4: TRUH 07 10895 WITH "STRATOTONE" HIGH PERFORMANCE COLORANT- PANTONE PMS #295C, OR BENJAMIN MOORE 2061-20 CHAMPION COBALT

COLOR 5: TRUH 08 10895 WITH "STRATOTONE" HIGH PERFORMANCE COLORANT- PANTONE PMS #346C, OR BENJAMIN MOORE 2071-10 EXOTIC PURPLE



A1 EAST ELEVATION
SCALE: 3/32" = 1'-0"



KEY PLAN
SCALE: NOT TO SCALE

KEY NOTES:

1. APPROXIMATE LINE OF GRADE
2. ABOVE GRADE EXPOSED FOUNDATION WALL
3. CONCRETE FOOTING AND FOUNDATION WALL, SEE STRUCTURAL DRAWINGS
4. ALUMINUM FIXED WINDOW W/ THERMAL BROKEN FRAME, INSULATED GLAZING WITH INTEGRAL ALUMINUM LOUVER AT PTAC UNITS
5. ALUMINUM FIXED WINDOW W/ THERMAL BROKEN FRAME, INSULATED GLAZING
6. ALUMINUM STOREFRONT SYSTEM W/ THERMAL BROKEN FRAME AND INSULATED GLAZING
7. ALUMINUM PTAC LOUVER - COLOR TO MATCH ADJACENT MATERIAL
8. ALUMINUM SLIDING ENTRY DOOR W/ INSULATED GLAZING
9. OVERFLOW SCUPPER
   BASIS OF DESIGN NESCO MFG INC. - MODEL # SCT914R
10. SIGNAGE - REFER TO **TRU BY HILTON EXTERIOR SIGNAGE SPECIFICATIONS**
11. KYNAR FINISH ALUMINUM COPING/ GRAVEL STOP SYSTEM -- COLOR TO MATCH ADJACENT MATERIAL
12. NOT USED
13. EXPANSION JOINT @ FLOOR LINE W/ BACKER ROD AND SEALANT
14. BUILDING HEIGHT DIMENSIONS ARE BASED ON WOOD FRAME CONSTRUCTION
15. ACCENT "V" JOINT
16. DOWNLIGHT & IN-GROUND UPLIGHT TO ACCENT MULIT-COLORED BUILDING RECESSES

BUILDING SIGNAGE:

MINIMUM 3/4" PLYWOOD BACKER BOARD REQUIRED AT SIGN LOCATIONS- AREA SHOULD COVER ENTIRE LENGTH AND HEIGHT OF FASCIA OR SPACE AVAILABLE FOR SIGN

ELECTRICAL AND FINAL CONNECTION BY CONTRACTOR - ELECTRICAL REQUIREMENTS MAY BE OBTAINED FROM SIGN COMPANY - TYPICAL 120V REQUIREMENT

RACEWAYS/ WIREWAYS ARE NOT ALLOWED

PERMANENT ACCESS DOORS TO INTERIOR OF ALL PARAPETS WHERE SIGNS ARE LOCATED TO BE PROVIDED BY CONTRACTOR - CONTRACTOR TO FURNISH AND CONNECT PRIMARY ELECTRICAL SERVICE INSIDE PARAPET WALL

GUESTROOMS OR PUBLIC SPACES WITH SIGNAGE ON EXTERIOR WALLS MUST HAVE ELECTRICAL PENETRATIONS AND/ OR INSTALLED PRIOR TO CLOSING UP THE WALL - PENETRATION LAYOUT MAY BE OBTAINED FROM SIGN COMPANY

FINISH LEGEND:

EIFS CLADDING SYSTEM (EX) - BASIS OF DESIGN - "OUTSULATION PLUS MD EIFS" BY DRYVIT SYSTEMS, INC.

PROVIDE EIFS HIGH IMPACT MESH ASSEMBLY FOR LOWER 8'-0" OF WALL AREAS AT GRADE: BASIS OF DESIGN - DRYVIT "STANDARD" MESH OVER "PANZER 20 OZ." HIGH IMPACT MESH

REFER TO ARCHITECTURAL FINISHES AND FIXTURE SPECIFICATIONS FOR ADDITIONAL APPLICATION INSTRUCTIONS

EX 01 EIFS WALL CLADDING
PRODUCT: DRYVIT SANDBLAST DPR
COLOR/FINISH: TRUH 02 10305- WITH "STRATOTONE", HIGH PERFORMANCE COLORANT, PANTONE 7C BLACK

EX 02 EIFS WALL CLADDING
PRODUCT: DRYVIT SANDBLAST HDP - HYDROPHOBIC
COLOR/FINISH: TRUH 01 2740- DRYVIT #613B OVERCAST

EX 03 EIFS WALL CLADDING
PRODUCT: DRYVIT - TERRANEO POLISHED GRANITE
COLOR/FINISH: TRUH 03 1101- DRYVIT #207 GLACIER

EX 04 EIFS WALL CLADDING
PRODUCT: DRYVIT - "DEMANDIT" COLOR COATING
COLOR/FINISH: SEE DETAIL B4/ A-201

EX 05 EIFS WALL CLADDING
PRODUCT: DRYVIT SANDBLAST DPR
COLOR/FINISH: TRUH 05 10305- WITH "STRATOTONE", HIGH PERFORMANCE COLORANT, PANTONE PMS PROCESS CYAN

EX 06 EIFS WALL CLADDING
PRODUCT: DRYVIT SANDBLAST HDP - HYDROPHOBIC
COLOR/FINISH: TRUH 09 2740- DRYVIT #615A TATTLETALE

EX 07 HIGH PRESSURE LAMINATE PANEL
PRODUCT: TRESPA METEON
COLOR/FINISH: COLOR TO MATCH PANTONE PMS PROCESS CYAN/ MATTE

EX 08 HIGH PRESSURE LAMINATE PANEL
PRODUCT: TRESPA METEON
COLOR/FINISH: COLOR TO MATCH PANTONE PMS PROCESS YELLOW/ MATTE

EX 09 PAINT AT EXTERIOR STAIR DOORS AND DOOR FRAMES
PRODUCT: GRAND ENTRANCE WATERBORNE ALKYD
COLOR/FINISH: BENJAMIN MOORE EXTERIOR PAINT: 1596 NIGHTFALL/ HIGH GLOSS FINISH

TRU
BY HILTON

355 Kenneth Drive,
Henrietta, NY

ISSUE:
2017-05-31: 50% PRELIMINARY REVIEW SET

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. I.Hazel DRAFTER
JOB CAPT. S.Hunt INTERIORS

SEAL:

TITLE:

EXTERIOR ELEVATIONS

SILVESTRI
ARCHITECTS · PC
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 16093.01
DATE: 06-27-17

DRAWING #: A-201

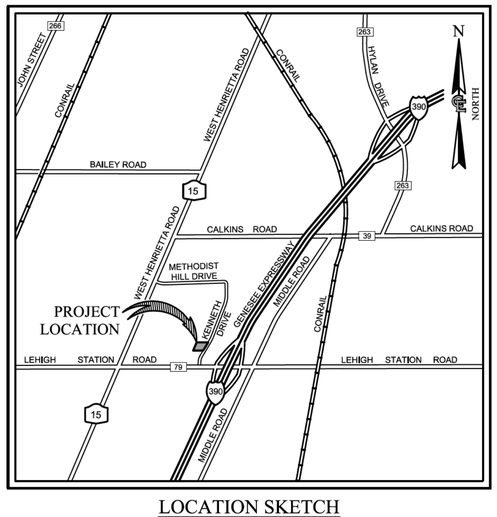
TRU BY HILTON

355 KENNETH DRIVE

SITE DEVELOPMENT PLANS

TOWN OF HENRIETTA
COUNTY OF MONROE
STATE OF NEW YORK

INDEX OF DRAWINGS



LOCATION SKETCH
NOT TO SCALE

PREPARED FOR:
RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

PREPARED BY:
COSTICH ENGINEERING
217 LAKE AVENUE
ROCHESTER, NEW YORK 14608
PHONE: (585) 458-3020

STATE OF NEW YORK
MARK R. COSTICH
065971
Licensed Professional Engineer

COSTICH ENGINEERING
- CIVIL ENGINEERING
- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

217 LAKE AVENUE
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TRU BY HILTON
355 KENNETH DRIVE
SITE DEVELOPMENT PLANS
TOWN OF HENRIETTA
COUNTY OF MONROE
STATE OF NEW YORK

JANUARY 26, 2017

#6315

PROJECT NAME AND LOCATION

TRU BY HILTON
355 KENNETH DRIVE
ROCHESTER, NEW YORK 14623
THE SITE IS APPROXIMATELY 2.05± ACRES OF WHICH 2.0± ACRES WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

OPERATOR'S NAME AND ADDRESS

RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

PROJECT DESCRIPTION

THIS PROJECT WILL CONSIST OF A 4 STORY 81 ROOM HOTEL WITH A 10,000 SQ. FT. GROSS BUILDING FOOTPRINT, ACCESS ROADS, PARKING LOT, ASSOCIATED UTILITIES, LANDSCAPING, AND LIGHTING. THE ESTIMATED TIME FOR COMPLETION OF THE CONSTRUCTION PROJECT IS 365 CALENDAR DAYS. SOIL DISTURBING ACTIVITIES WILL INCLUDE:

A. CONSTRUCTION OF TEMPORARY CONSTRUCTION EXIT POINTS
B. MASS EARTHWORK
C. INSTALLATION OF STORM SEWER PIPES AND INLETS
D. CONSTRUCTION OF UTILITIES
E. CONSTRUCT BUILDING
F. CONSTRUCTION OF CURB , DRIVES AND PARKING AREAS
G. FINAL GRADING AND LANDSCAPING

THIS PROJECT IS OWNED BY BENDERSON DEVELOPMENT CO., INC. AND WILL BE DEVELOPED BY BENDERSON DEVELOPMENT CO., INC. EROSION AND SEDIMENT CONTROLS HAVE BEEN DEVELOPED AND FULLY ADDRESSED IN THIS WRITTEN PLAN AND THE EROSION AND SEDIMENT CONTROL PLAN(S).

NAME OF RECEIVING WATERS

THE SITE WILL DRAIN INTO EXISTING ROADSIDE CONVEYANCE SYSTEM, AND ULTIMATELY A TRIBUTARY TO RED CREEK.

WETLANDS AND/OR OTHER SURFACE WATERS

THERE ARE NO WETLANDS IN THE PROJECT AREA.

EROSION AND SEDIMENT CONTROLS

STABILIZATION PRACTICES (PERMANENT)

PERMANENT STABILIZATION PRACTICES FOR THIS SITE INCLUDE:
A. LAND CLEARING ACTIVITIES SHALL BE DONE ONLY IN AREAS WHERE WORK WILL BE PERFORMED AND SHALL PROGRESS AS NEEDED.
B. PERMANENT SEEDING AND PLANTING OF ALL UNPAVED AREAS USING THE HYDROMULCHING GRASS SEEDING TECHNIQUE.
C. VEGETATION PRESERVATION.

STABILIZATION PRACTICES (TEMPORARY)

TEMPORARY STABILIZATION PRACTICES FOR THIS SITE INCLUDE:

A. TEMPORARY SEEDING AND PLANTING OF ALL UNPAVED AREAS USING THE HYDROMULCHING GRASS SEEDING TECHNIQUE.
B. MULCHING EXPOSED AREAS.
C. FREQUENT WATERING TO MINIMIZE WIND EROSION DURING CONSTRUCTION.
D. USE OF STABILIZATION FABRIC FOR ALL SLOPES HAVING A SLOPE OF 1V:3H OR GREATER.

STRUCTURAL PRACTICES (PERMANENT)

PERMANENT STRUCTURAL PRACTICES FOR THIS SITE INCLUDE:

A. STORM SEWER, CURB AND STONE FILLING

STRUCTURAL PRACTICES (TEMPORARY)

STRUCTURAL PRACTICES FOR THIS SITE INCLUDE:

A.. INLET PROTECTION USING SILT FENCE OR STONE FILTERS
B. PERIMETER PROTECTION USING SILT FENCE
C. STABILIZED CONSTRUCTION ENTRANCE

SEQUENCE OF MAJOR ACTIVITIES

THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORM WATER MANAGEMENT CONTROL MEASURES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS HE SEES FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTIONING REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS (REFER TO THE EROSION AND SEDIMENT CONTROL PLAN SHEET CONTAINED IN THIS SWPPP FOR DETAILS):

A. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATION(S) SHOWN ON THE GRADING AND EROSION CONTROL PLAN.
B. INSTALL PERIMETER SILT FENCES IN THE LOCATION(S) SHOWN ON THE GRADING AND EROSTION CONTROL PLAN.
C. BEGIN CLEARING AND GRUBBING.
D. COMMENCE SITE GRADING.
E. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
F. INSTALL INLET/OUTLET PROTECTION AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
G. FINALIZE PAVEMENT SUBGRADE PREPARATION.
H. CONSTRUCT ALL CURB, CURB INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RIPRAP AT LOCATIONS SHOWN ON THE PLANS.
I. REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
J. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
K. CARRY OUT FINAL GRADING AND SEEDING AND PLANTING
L. REMOVE SILT FENCING ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
M. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS (THESE AREAS ARE TO BE PAVED LAST).

OFF-SITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION EXIT WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS ADJACENT TO THE SITE ENTRANCE WILL BE INSPECTED DAILY AND SWEPT AS NECESSARY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN. THE JOB SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

EXCAVATION SPOIL MATERIALS

EXCAVATION SPOIL MATERIALS ARE GENERATED DURING SITE GRADING, PAVEMENT INSTALLATION, FOOTINGS AND UTILITIES INSTALLATION. THESE MATERIALS MUST BE PROPERLY MANAGED TO PREVENT THEM FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE MATERIALS GENERATED FROM THE DEVELOPMENT OF THIS PROJECT WILL BE MANAGED BY THE FOLLOWING METHOD: USED ON SITE FOR FILL IF APPROVED BY THE GEOTECHNICAL ENGINEER, OTHERWISE HAULED OFFSITE TO AN APPROVED LOCATION.

DUST CONTROL

MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL.
B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. RIDGES SHOULD BE ABOUT SIX (6) INCHES IN HEIGHT.
C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS.
D. PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PATHS.

COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

THE CONTRACTOR WILL OBTAIN COPIES OF ANY AND ALL LOCAL AND STATE REGULATIONS WHICH ARE APPLICABLE TO STORM WATER MANAGEMENT, EROSION CONTROL, AND POLLUTION MINIMIZATION AT THIS JOB SITE AND WILL COMPLY FULLY WITH SUCH REGULATIONS. THE CONTRACTOR WILL SUBMIT WRITTEN EVIDENCE OF SUCH COMPLIANCE IF REQUESTED BY THE OPERATOR OR ANY AGENT OF A REGULATORY BODY. THE CONTRACTOR WILL COMPLY WITH ALL CONDITIONS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION CONSTRUCTION GENERAL PERMIT, INCLUDING THE CONDITIONS RELATED TO MAINTAINING THE SWPPP AND EVIDENCE OF COMPLIANCE WITH THE SWPPP AT THE JOB SITE AND ALLOWING REGULATORY PERSONNEL ACCESS TO THE JOB SITE AND TO RECORDS IN ORDER TO DETERMINE COMPLIANCE.

INSPECTION AND MAINTENANCE PROCEDURES

THE FOLLOWING INSPECTION AND MAINTENANCE PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS AND STABILIZATION MEASURES.

1. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS FOLLOWING A RAINFALL EVENT OF 0.5 INCHES OR MORE.
2. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF REPAIRS OR OTHER MEASURES ARE FOUND TO BE NECESSARY, THEY WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
3. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
4. SILT FENCES WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, ETC., TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE SECURELY IN THE GROUND.
5. TEMPORARY AND PERMANENT SEEDING AND ALL OTHER STABILIZATION MEASURES WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
6. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. COPIES OF THE REPORT FORMS TO BE COMPLETED BY THE INSPECTOR ARE INCLUDED IN THIS SWPPP.
7. THE JOB SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR SELECTING AND TRAINING THE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR THESE INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT INSPECTION AND MAINTENANCE REPORTS.
8. PERSONNEL SELECTED FOR THE INSPECTION AND MAINTENANCE RESPONSIBILITIES WILLRECEIVE TRAINING FROM THE JOB SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS THAT ARE USED ONSITE IN GOOD WORKING ORDER. THEY WILL ALSO BE TRAINED IN THE COMPLETION OF, INITIATION OF ACTIONS REQUIRED BY, AND THE FILING OF THE INSPECTION FORMS. DOCUMENTATION OF THIS PERSONNEL TRAINING WILL BE KEPT ON SITE WITH THE SWPPP.
9. DISTURBED AREAS AND MATERIALS STORAGE AREAS WILL BE INSPECTED FOR EVIDENCE OF OR POTENTIAL FOR POLLUTANTS ENTERING STORMWATER SYSTEMS.
10. REPORT TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION WITHIN 24 HOURS ANY NONCOMPLIANCE WITH THE SWPPP THAT WILL ENDANGER PUBLIC HEALTH OR THE ENVIRONMENT. FOLLOW UP WITH A WRITTEN REPORT WITHIN DAYS OF THE NONCOMPLIANCE EVENT. THE FOLLOWING EVENTS REQUIRE 24 HOUR REPORTING: A) ANY UNANTICIPATED BYPASS WHICH EXCEEDS ANY EFFLUENT LIMITATION IN THE PERMIT, B) ANY UPSET WHICH EXCEEDS ANY EFFLUENT LIMITATION IN THE PERMIT, AND C) A VIOLATION OF A MAXIMUM DAILY DISCHARGE LIMITATION FOR ANY OF THE POLLUTANTS LISTED BY THE EPA IN THE PERMIT TO BE REPORTED WITHIN 24 HOURS. THE WRITTEN SUBMISSION MUST CONTAIN A DESCRIPTION OF THE NON-COMPLIANCE AND ITS CAUSE; THE PERIOD OF NON-COMPLIANCE, INCLUDING EXACT DATES AND TIMES, AND IF THE NON-COMPLIANCE HAS NOT BEEN CORRECTED, THE ANTICIPATED TIME IT IS EXPECTED TO CONTINUE; AND STEPS TAKEN OR PLANNED TO REDUCE, ELIMINATE, AND PREVENT RECURRENCE OF THE NON-COMPLIANCE.
11. RELEASES OF HAZARDOUS SUBSTANCES OR OIL IN EXCESS OF REPORTABLE QUANTITIES (AS ESTABLISHED UNDER 40 CFR 110, 40 CFR 117 OR 40 CFR 302) MUST BE REPORTED. FORM G-1 PROVIDES FURTHER DETAILS ON THE NOTIFICATION AND REPORTING PROCESS.

MATERIALS MANAGEMENT PLAN

MATERIALS COVERED

THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

CONCRETE/ADDITIVES/WASTES	CLEANING SOLVENTS
DETERGENTS	PETROLEUM BASED PRODUCTS
PAINTS/SOLVENTS	PESTICIDES
ACIDS	FERTILIZERS
SOLID AND CONSTRUCTION WASTES	SANITARY WASTES
SOIL STABILIZATION ADDITIVES	

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF. THE JOB SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR ENSURING THAT THESE PROCEDURES ARE FOLLOWED.

A. GOOD HOUSEKEEPING
HE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER AND, IF POSSIBLE, UNDER A ROOF OR IN A CONTAINMENT AREA. AT A MINIMUM, ALL CONTAINERS WILL BE STORED WITH THEIR LIDS ON WHEN NOT IN USE. DRIP PANS SHALL BE PROVIDED UNDER ALL DISPENSERS.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL IN LEGIBLE CONDITION.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE JOB SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR DAILY INSPECTIONS TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.

B. HAZARDOUS PRODUCTS
THESE PRACTICES WILL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE SWPPP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS WITH THE ORIGINAL LABELS IN LEGIBLE CONDITION.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS'S) WILL BE PROCURED AND USED FOR EACH MATERIAL.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL/STATE/FEDERAL RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

C. HAZARDOUS WASTE
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES BY THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

D. PRODUCT SPECIFIC PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON THE JOB SITE.

1. PETROLEUM PRODUCTS:
ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY PETROLEUM STORAGE TANKS USED ONSITE WILL HAVE AN IMPERVIOUS DIKE OR BERM CONTAINMENT STRUCTURE CONSTRUCTED AROUND IT TO CONTAIN ANY SPILLS WHICH MAY OCCUR. DRIP PANS SHALL BE PROVIDED FOR ALL DISPENSERS. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE LOCATION OF ANY FUEL TANKS AND/OR EQUIPMENT STORAGE AREAS MUST BE IDENTIFIED ON THE GRADING AND EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

2. FERTILIZERS:
FERTILIZERS WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED IN THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

3. PAINTS, PAINT SOLVENTS, AND CLEANING SOLVENTS:
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT AND SOLVENTS WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND FEDERAL REGULATIONS.

4. CONCRETE WASTES:
CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE, BUT ONLY IN EITHER (1) SPECIFICALLY DESIGNATED DIKED AREAS WHICH HAVE BEEN PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE AND/OR WASH OUT AND STORM WATER WHICH WILL BE DISCHARGED FROM THE SITE OR (2) IN LOCATIONS WHERE WASTE CONCRETE CAN BE POURED INTO FORMS TO MAKE RIPRAP OR OTHER USEFUL CONCRETE PRODUCTS. THE HARDENED RESIDUE FROM THE CONCRETE WASH OUT DIKED AREAS WILL BE DISPOSED OF IN THE SAME MANNER AS OTHER NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS OR MAY BE BROKEN UP AND USED ON SITE AS DEEMED APPROPRIATE BY THE CONTRACTOR. THE JOB SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. THE PROJECT MAY REQUIRE THE USE OF MULTIPLE CONCRETE WASH OUT AREAS. ALL CONCRETE WASH OUT AREAS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE AREA CONTRIBUTING TO STORM WATER DISCHARGES IS NEGLIGIBLE. IF REQUIRED, ADDITIONAL BMPS MUST BE IMPLEMENTED TO PREVENT CONCRETE WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF CONCRETE WASH OUT AREA(S) MUST BE IDENTIFIED ON THE GRADING AND EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

A. SOLID AND CONSTRUCTION WASTES:
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN AN APPROPRIATELY COVERED CONTAINER AND/OR SECURELY LIDDED METAL DUMPSTER RENTED FROM A LOCAL WASTE MANAGEMENT COMPANY WHICH MUST BE A SOLID WASTE MANAGEMENT COMPANY LICENSED TO DO BUSINESS IN NEW YORK STATE AND THE [LOCAL ENTITY]. THE DUMPSTER WILL COMPLY WITH ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO A LANDFILL APPROVED BY NEW YORK STATE AND THE CITY OF ROCHESTER. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURES FOR WASTE DISPOSAL. ALL WASTE DUMPSTERS AND ROLL-OFF CONTAINERS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE CONTAINERS CONTRIBUTING TO STORM WATER DISCHARGES IS NEGLIGIBLE. IF REQUIRED, ADDITIONAL BMPS MUST BE IMPLEMENTED, SUCH AS SANDBAGS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF WASTE DUMPSTERS AND ROLL-OFF CONTAINERS MUST BE IDENTIFIED ON THE GRADING AND EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

B. SANITARY WASTES:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGES IS NEGLIGIBLE. IF REQUIRED, ADDITIONAL BMPS MUST BE IMPLEMENTED, SUCH AS SANDBAGS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE GRADING AND EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

C. CONTAMINATED SOILS:
ANY CONTAMINATED SOILS (RESULTING FROM SPILLS OF MATERIALS WITH HAZARDOUS PROPERTIES) WHICH MAY RESULT FROM CONSTRUCTION ACTIVITIES WILL BE CONTAINED AND CLEANED UP IMMEDIATELY IN ACCORDANCE WITH THE PROCEDURES GIVEN IN THE MATERIALS MANAGEMENT PLAN AND IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

MATERIALS MANAGEMENT PLAN (CONT.)

SPILL PREVENTION AND RESPONSE PROCEDURES

THE CONTRACTOR WILL TRAIN ALL PERSONNEL IN THE PROPER HANDLING AND CLEANUP OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN SPILL PREVENTION AND CLEAN UP PROCEDURES.

A. IN ORDER TO MINIMIZE THE POTENTIAL FOR A SPILL OF HAZARDOUS MATERIALS TO COME INTO CONTACT WITH STORM WATER, THE FOLLOWING STEPS WILL BE IMPLEMENTED:

1. ALL MATERIALS WITH HAZARDOUS PROPERTIES (SUCH AS PESTICIDES, PETROLEUM PRODUCTS, FERTILIZERS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, PAINTS, PAINT SOLVENTS, CLEANING SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE CURING COMPOUNDS AND ADDITIVES, ETC.) WILL BE STORED IN A SECURE LOCATION, WITH THEIR LIDS ON, PREFERABLY UNDER COVER, WHEN NOT IN USE.
2. THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS WILL BE KEPT ON THE JOB SITE.
3. A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING, FOR EXAMPLE, ABSORBENT MATERIALS, ACID NEUTRALIZING POWDER, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) WILL BE PROVIDED AT THE STORAGE SITE.
4. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE TRAINED REGARDING THESE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
5. IN THE EVENT OF A SPILL, THE FOLLOWING PROCEDURES SHOULD BE FOLLOWED
6. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
7. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH THE HAZARDOUS SUBSTANCES.
8. THE PROJECT MANAGER AND THE ENGINEER OF RECORD WILL BE NOTIFIED IMMEDIATELY.SPILLS OF TOXIC OR HAZARDOUS MATERIALS WILL BE REPORTED TO THE APPROPRIATE FEDERAL, STATE, AND/OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL. CONTACT INFO TRACK AT 1-888-429-6281 (1-888-HAZMAT 1) TO DETERMINE WHETHER THE SPILL IS REPORTABLE. INFO TRACK HAS BEEN CONTRACTED BY TO PROVIDE THIS SERVICE TO FACILITIES, INCLUDING NEW CONSTRUCTION. YOU MUST STATE THAT YOU ARE WORKING ON A NEW CONSTRUCTION SITE. IF THE SPILL IS DETERMINED TO BE REPORTABLE INFO TRACK WILL NOTIFY THE EPA IMMEDIATELY. SPILLS OF AMOUNTS THAT EXCEED REPORTABLE QUANTITIES OF CERTAIN SUBSTANCES SPECIFICALLY MENTIONED IN FEDERAL REGULATIONS (40 CFR 110, 40 CFR 117, AND 40 CFR 302) MUST BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER, TELEPHONE 1-800-424-8802.
9. IF THE SPILL EXCEEDS A REPORTABLE QUANTITY, THE SWPPP MUST BE MODIFIED WITHIN SEVEN (7) CALENDAR DAYS OF KNOWLEDGE OF THE DISCHARGE TO PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. THE PLANS MUST IDENTIFY MEASURES TO PREVENT THE RECURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES. FORM G-1 MUST BE COMPLETED IN ACCORDANCE WITH THIS REQUIREMENT.
10. THE JOB SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND RESPONSE COORDINATOR. HE WILL DESIGNATE THE INDIVIDUALS WHO WILL RECEIVE SPILL PREVENTION AND RESPONSE TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND RESPONSE. THE NAMES OF THESE PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

CONTROL OF NON-STORM WATER DISCHARGES

CERTAIN TYPES OF DISCHARGES ARE ALLOWABLE UNDER THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION GENERAL PERMIT FOR CONSTRUCTION ACTIVITY, AND IT IS THE INTENT OF THIS SWPPP TO ALLOW SUCH DISCHARGES. THESE TYPES OF DISCHARGES WILL BE ALLOWED UNDER THE CONDITIONS THAT NO POLLUTANTS WILL BE ALLOWED TO COME IN CONTACT WITH THE WATER PRIOR TO OR AFTER ITS DISCHARGE. THE CONTROL MEASURES WHICH HAVE BEEN OUTLINED PREVIOUSLY IN THIS SWPPP WILL BE STRICTLY FOLLOWED TO ENSURE THAT NO CONTAMINATION OF THESE NON-STORM WATER DISCHARGES TAKES PLACE. FURTHERMORE, SOME STATES MAY PROHIBIT ANY NON-STORM WATER DISCHARGES, ALLOW A LIMITED NUMBER OF TYPES OF NON-STORM WATER DISCHARGES AND/OR WILL REQUIRE COVERAGE FOR NON-STORM WATER DISCHARGES UNDER A SEPARATE PERMIT. THE FOLLOWING NON-STORM WATER DISCHARGES ARE ALLOWED BY THE N.Y.S.D.E.C. AND MAY OCCUR AT THE JOB SITE: DISCHARGES FROM FIRE FIGHTING ACTIVITIES; FIRE HYDRANT FLUSHINGS; WATERS TO WHICH CLEANSERS OR OTHER COMPONENTS HAVE NOT BEEN ADDED THAT ARE USED TO WASH VEHICLES OR CONTROL DUST IN ACCORDANCE WITH THE SWPPP, ROUTINE EXTERNAL BUILDING WASHDOWN WHICH DOES NOT USE DETERGENTS; PAVEMENT WASHWATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS ARE NOT USED; AIR CONDITIONING CONDENSATE; SPRINGS; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS. UNDER ALL CIRCUMSTANCES, THE PERMITEE MUST STILL COMPLY WITH WATER QUALITY STANDARDS.

GENERAL NOTES

1. THE DEVELOPER'S AND CONTRACTOR'S ATTENTION IS DIRECTED TO ALL APPLICABLE LAWS REGARDING LIABILITY INCURRED THROUGH DISTURBANCE AND DESTRUCTION OF GEODETIC SURVEY MONUMENTS.
2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREA OF CONSTRUCTION. ANY AND ALL CONTROL POINTS, SURVEY AND R.O.W. MONUMENTS THAT ARE DISTURBED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PRESERVE THE INTEGRITY OF EXISTING UTILITIES TO REMAIN AND SHALL PROVIDE UNINTERUPTED SERVICE TO ALL USERS OF THE EXISTING UTILITIES. EXISTING UTILITIES (TO REMAIN) ENCOUNTERED IN TRENCH OR PAVEMENT EXCAVATIONS SHALL BE SUPPORTED AS ORDERED BY THE OWNER'S REPRESENTATIVE OR AS DIRECTED BY THE UTILITY COMPANY. EXISTING UTILITIES (LOCATION, SIZES AND INVERTS) SHOWN ON THE PLANS HAVE BEEN PLOTTED FROM
4. FIELD SURVEYS AND RECORD MAPS AND ARE NOT CERTIFIED AS TO THE ACCURACY OF THEIR LOCATION OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES AND STRUCTURES IN THE PATH OF OR CLOSELY PARALLEL TO, OR UNDER THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS OR DAMAGES OCCURRING AS A RESULT OF INCORRECTLY LOCATED UTILITIES. NO EXTENSIONS OF CONTRACT TIME AND NO ONETARY DAMAGE CLAIMS SHALL BE ALLOWED AS A RESULT OF REVISED DESIGN LOCATIONS OR TIME ALLOWED TO DO SAME WHICH RESULT FROM EXISTING UTILITIES BEING FOUND IN DIFFERENT LOCATIONS THAN SHOWN ON THESE DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES.
5. THE CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS INDICATING ALL DEVIATIONS FROM APPROVED PLANS. A RECORD SITE PLAN SHALL BE PROVIDED TO THE TOWN ENGINEERING DEPARTMENT. DIAGRAMS (SWING TIE) SHALL BE INDICATED FOR WATER CURB BOXES, VALVES AND LATERAL CLEANOUTS. THE RECORD SITE PLAN WILL ALSO INCLUDE ALL IMPROVEMENTS SUCH AS MANHOLES, HYDRANTS, GUTTERS, CURBS AND ANY OTHER PROMINENT FEATURE. ALL STRUCTURES WILL BE SHOWN WITH TIES TO THE PROPERTY LINES ON ALL SIDES.
6. ALL IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF HENRIETTA AND ANY OTHER GOVERNING AGENCY HAVING JURISDICTION.
7. A RECORD LANDSCAPE PLAN SHALL BE PROVIDED TO THE TOWN ENGINEERING DEPARTMENT. THE PLAN WILL INCLUDE TYPES, QUANTITIES, SIZES AND LOCATIONS OF ALL PLANTINGS.
8. FIRE LANES SHALL BE POSTED ON THE BUILDING PER CHAPTER 52 OF THE TOWN CODE.
9. AS AN INTEGRAL PART OF THIS APPROVAL, THE PLANNING BOARD EXPRESSLY APPROVES THE COLORS, TEXTURE AND FINISH OF THE BUILDING AS DEPICTED ON THE ELEVATION OR OTHER DOCUMENTS SUBMITTED WITH THIS APPLICATION. ANY PROPOSED CHANGE IN COLOR, TEXTURE OR FINISH OF BUILDING, FROM THAT APPROVED BY THE PLANNING BOARD, SHALL REQUIRE A RE-APPLICATION FOR REVIEW AND APPROVAL BY THE PLANNING BOARD.

STORM SEWER NOTES

1. STORM SEWER PIPE MATERIAL SHALL BE POLYETHYLENE HIGH DENSITY (H.D.P.E.) SMOOTH INTERIOR.
2. ROOF LEADERS SHALL BE CONNECTED TO THE STORM SEWER DRAINAGE SYSTEM VIA (P.V.C. SDR-21) PIPE WITH CLEANOUTS.
3. THE PROJECT SITE LIES WITHIN THE TOWN OF HENRIETTA CONSOLIDATED DRAINAGE DISTRICT.

SANITARY SEWER NOTES

1. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAIN. NOTE: ALL DISCHARGES TO THE SANITARY SEWER SHALL COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR MONROE COUNTY SEWER USE LAW.
2. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TESTS SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PREFORMED WITHOUT MECHANICAL PULLING DEVICES.
3. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF HENRIETTA.
4. EARTHWORK SHALL BE DONE PRIOR TO INSTALLATION OF ANY SANITARY SEWER MAINS AND APPURTENANCES.
5. MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST, AS A MINIMUM, SHALL CONFORM TO THE PROCEDURE DESCRIBED IN THE ASTM-C-828-86, ENTITLED "STANDARD PRACTICE FOR LOW PRESSURED AIR TEST OF VITRIFIED CLAY PIPE LINES. SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXFILTRATION OR VACUUM. VACUUM TESTING OF MANHOLES SHALL COMPLY WITH THE METHOD OUTLINED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TECHNICAL INFORMATION PAMPHLET (TIP) NO. 15 (REVISED).
6. THIS PROJECT LIES WITHIN AN EXISTING THE TOWN OF HENRIETTA SANITARY SEWER DISTRICT.
7. ALL EXISTING SANITARY SEWER TO BE ABANDONED BY FILLING WITH FLOWABLE FILL.

M.C.H.D. WATERMAIN NOTES

1. THE WATERMAIN SHALL BE DISINFECTED EQUAL TO A.W.W.A. STANDARD FOR "DISINFECTING OF WATER MAINS DESIGNATION C651" (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM.

   ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.

   THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.

   FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.

   THE MONROE COUNTY DEPARTMENT OF HEALTH MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(n) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. THE DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E. COLI) AND TURBIDITY.

   THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
2. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL), SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
3. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF THE FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
4. THE WATER MAIN SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER.

CONTRACTOR'S CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND AGREE TO COMPLY WITH THE TERMS AND CONDITIONS OF THE SWPPP FOR THE CONSTRUCTION SITE IDENTIFIED IN SUCH SWPPP AS A CONDITION OF AUTHORIZATION TO DISCHARGE STORMWATER. I ALSO UNDERSTAND THAT THE OPERATOR MUST COMPLY WITH THE TERMS AND CONDITIONS OF THE NEW YORK STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND THAT IT IS UNLAWFUL FOR ANY PERSON TO CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS."

SIGNATURE	TITLE	COMPANY NAME, ADDRESS, TELEPHONE NUMBER	DATE
SIGNATURE	TITLE	COMPANY NAME, ADDRESS, TELEPHONE NUMBER	DATE
SIGNATURE	TITLE	COMPANY NAME, ADDRESS, TELEPHONE NUMBER	DATE
SIGNATURE	TITLE	COMPANY NAME, ADDRESS, TELEPHONE NUMBER	DATE

LEGEND

	EXISTING	PROPOSED
SIZE & TYPE OF TREE	DECIDUOUS CONIFEROUS	SEE DRAWING LA100
UTILITY POLE AND POLE NUMBER	R.G.&E 30, R.T.C. 25	
GAS LINE	G	G
GAS VALVE	GV	
GUY WIRE		
UNDERGROUND SIGNAL CABLE	S	
TRAFFIC HANDHOLE		
UNDERGROUND TELEPHONE	T	T
UNDERGROUND ELECTRIC	E	E
UNDERGROUND CABLE TELEVISION	U.C.T.V.	
EASEMENT		
STORM MANHOLE		
STORM SEWER,C.B. & END SECTION	15" R.C.P.	15" STM.
SANITARY SEWER	8" SAN. SEWER	8" P.V.C.
SANITARY MANHOLE		
HYDRANT W/VALVE		
WATER VALVE		
WATERMAIN	W	W
HEADWALL		
SIGN AND TYPE	STOP	STOP
LIGHT POLE		
CURB		
EDGE OF PAVEMENT		
FENCE AND TYPE	WOOD GUIDE RAIL	
RIGHT-OF-WAY LINE & PROPERTY LINE		
BUILDING		
R.O.W. MONUMENT		
CONTOURS	564	564

M.C.W.A. WATER SERVICE NOTES (PUBLIC WATER SERVICE LINE NOTES)

USE THESE NOTES FOR WATER SERVICES SIZED 4" OR GREATER ONLY.
SERVICE CONNECTIONS ARE TO BE TAPPED OFF AN EXISTING WATER MAIN.

1. WATER SERVICE LINES (LATERALS) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND SPECIFICATIONS OF THE MONROE COUNTY WATER AUTHORITY.
2. WATER SERVICE LINES SHALL HAVE A MINIMUM OF FIVE (5) FEET OF COVER FROM THE FINISHED GRADE IN LAWN AREAS AND SIX (6) FEET OF COVER FROM THE FINISHED GRADE IN PAVED AREAS.
3. WATER SERVICE LINES SHALL BE SEPARATED AT LEAST TEN (10) FEET, MEASURED FROM THE OUTSIDE OF THE PIPES, FROM SEWER MAINS OR SEPTIC SYSTEMS.
4. WATER SERVICE LINES SHALL BE IDENTIFIED AS:

LATERAL IDENTIFICATION	SIZE	MATERIAL (a)	TYPE (b)
M.C.W.A. PORTION = (FROM THE WATERMAIN TO AND INCLUDING THE CONTROL VALVE ON THE R.O.W./PROPERTY/EASEMENT LINE):	6"	D.I.P.*	CMB
PRIVATE PORTION = (FROM THE CONTROL VALVE TO THE METER):	6"	D.I.P.	CMB

(a)= ACCEPTABLE MATERIAL IS *CLASS 51 CEMENT MORTAR LINED DUCTILE IRON PIPE.
(b)= SERVICE TYPES INCLUDE: DOMESTIC=(DS), FIRE=(FS), OR COMBINED=(CMB)

5. THE MCWA PORTION OF THE WATER SERVICE LINE BE INSTALLED PRIOR TO THE PRIVATE PORTION OF THE SERVICE LINE.
6. WATER METER(S) TO BE LOCATED ON THE INTERIOR OF EXTERIOR WALLS IMMEDIATELY UPON SERVICE ENTRANCE INTO THE BUILDING(S). RESIDENTIAL SERVICES: A BY-PASS ASSEMBLY IS NOT REQUIRED AROUND THE INSTALLATION OF 5/8-INCH THROUGH 2-INCH METERS.
NON-RESIDENTIAL SERVICES: THE INSTALLATION OF A 1 1/2 -INCH METER OR LARGER REQUIRES A BY-PASS ASSEMBLY AROUND THE METER.
7. WATER SERVICE LINES SIZED 4-INCHES OR GREATER SHALL BE:
   - PRESSURE TESTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE MONROE COUNTY WATER AUTHORITY. A WATER AUTHORITY REPRESENTATIVE MUST WITNESS THIS TEST.
   - DISINFECTED BY USING THE CONTINUOUS FEED METHOD ACCORDING TO THE AWWA STANDARD SPECIFICATIONS. AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED BY THE MONROE COUNTY DEPARTMENT OF HEALTH. APPROVAL AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED BEFORE THE LATERAL IS PLACED IN SERVICE.

SURVEY NOTES

1. TOPOGRAPHY SHOWN FROM A FIELD SURVEY BY COSTICH ENGINEERING ON 10/11/2016 VERTICAL DATA OBTAINED THROUGH NYSDOT CORS NETWORK REFERENCED TO THE FOLLOWING MONUMENT

PITTSFORD CORS STATION
-LATITUDE: 43-05-35.48461 (N)
-LONGITUDE: 077-31-31.11244 (W)
-ELLIP HEIGHT: 113.481 METERS
} NAD 83 (CORS)

REFERENCES

1. MAP ENTITLED "RESUBDIVISION OF LOT 305 CALKINS ROAD PROFESSIONAL BUSINESS PARK" PREPARED BY JOHN A. GREENE AND ASSOCIATES, DATED MAY 24, 2005 AND IS FILED IN THE MONROE COUNTY CLERKS OFFICE AS LIBER 327 OF MAPS PAGE 38.
2. THE DEEDS AS SHOWN ON FILE IN THE MONROE COUNTY CLERK'S OFFICE.

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK · MARK R. COSTICH · NO. 065971 · LICENSED PROFESSIONAL ENGINEER

PROJECT ENGINEER: A.H.A.
DRAWN BY: D.J.L.
BOUNDARY: - -
TOPO/BASE: - -
DATE: 01/26/2017
SCALE: N.T.S.

COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

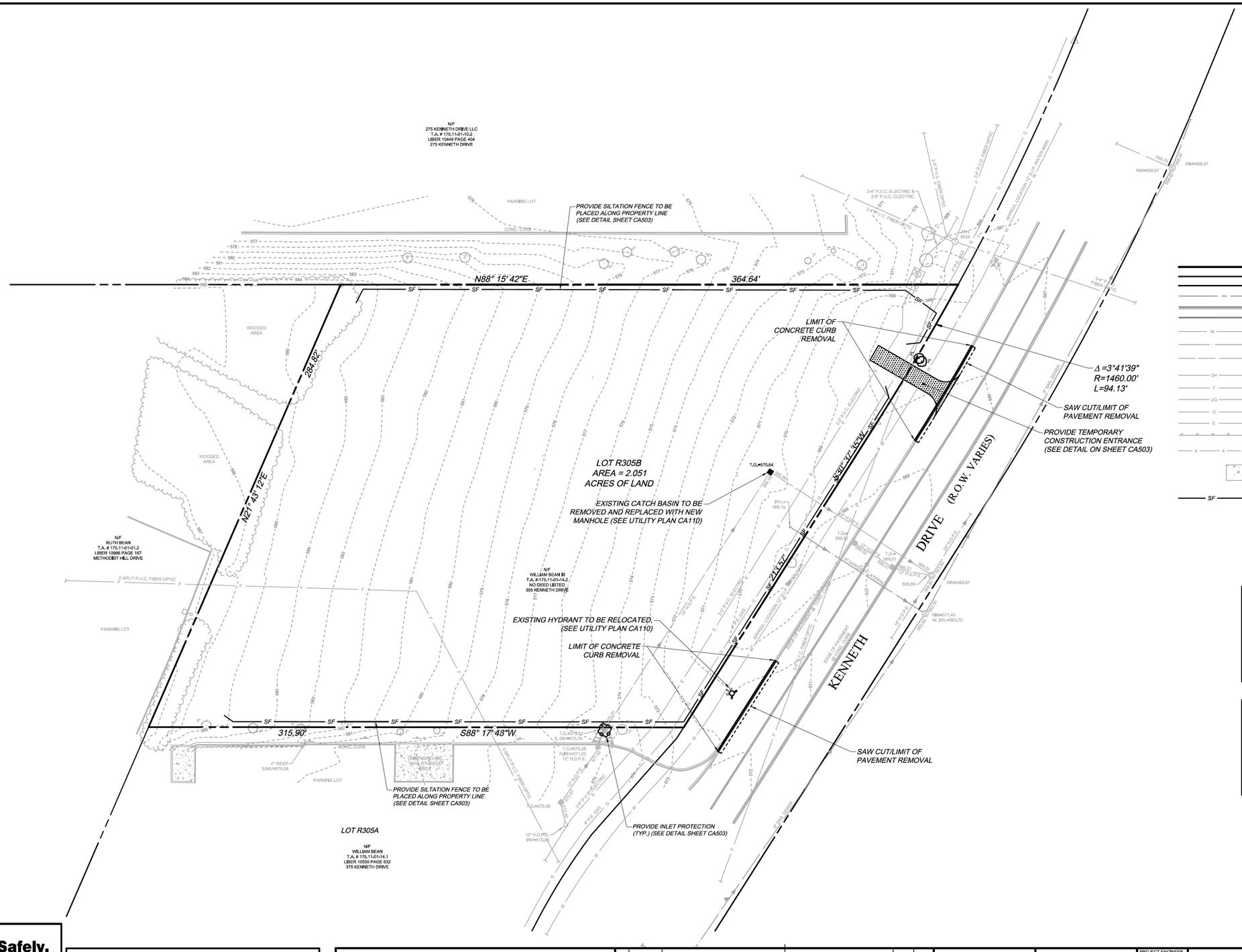
TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: GENERAL NOTES & LEGEND SHEET

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG.# 6315
GA101
SHEET 2 OF 13



LINE LEGEND

- PARCEL BOUNDARY
- EXIST. RIGHT-OF-WAY LINE
- EXIST. ADJACENT PROPERTY LINE
- CENTER LINE
- EXIST. CONCRETE CURB
- EXIST. EDGE OF PAVEMENT
- EXISTING WATER MAIN, VALVE, & HYDRANT.
- EXISTING SANITARY SEWER, & MANHOLE.
- EXISTING DRAINAGE SEWER, FIELD INLET, INLET MANHOLE, MANHOLE, & END SECTION.
- EXISTING OVERHEAD UTILITIES
- EXISTING TELEPHONE
- EXISTING UNDERGROUND UTILITIES
- EXISTING GAS
- EXISTING ELECTRIC
- EXISTING GUARD RAIL
- BARBED WIRE,STOCKADE,CHAIN LINKED FENCE
- CONCRETE PAD/ CONCRETE SIDEWALK
- SILT FENCE

DEMOLITION LEGEND

- EXISTING FEATURES TO REMAIN
- EXISTING FEATURES TO BE REMOVED
- INLET PROTECTION

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Underground Facilities Protective Organization
- Call Before You Dig
- Wait The Required Time
- Confirm Utility Response
- Respect The Marks
- Dig With Care

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GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK
MARK R. COSTICH
Licensed Professional Engineer
No. 065971

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	D.T.H.
TOPO/BASE	M.G.
DATE	01/26/2017
SCALE	1"=30'

COSTICH ENGINEERING
• Civil Engineering
• Land Surveying
• Landscape Architecture
217 Lake Avenue
Rochester, NY 14608
(585) 458-3020

TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: EXISTING FEATURES/ DEMOLITION PLAN

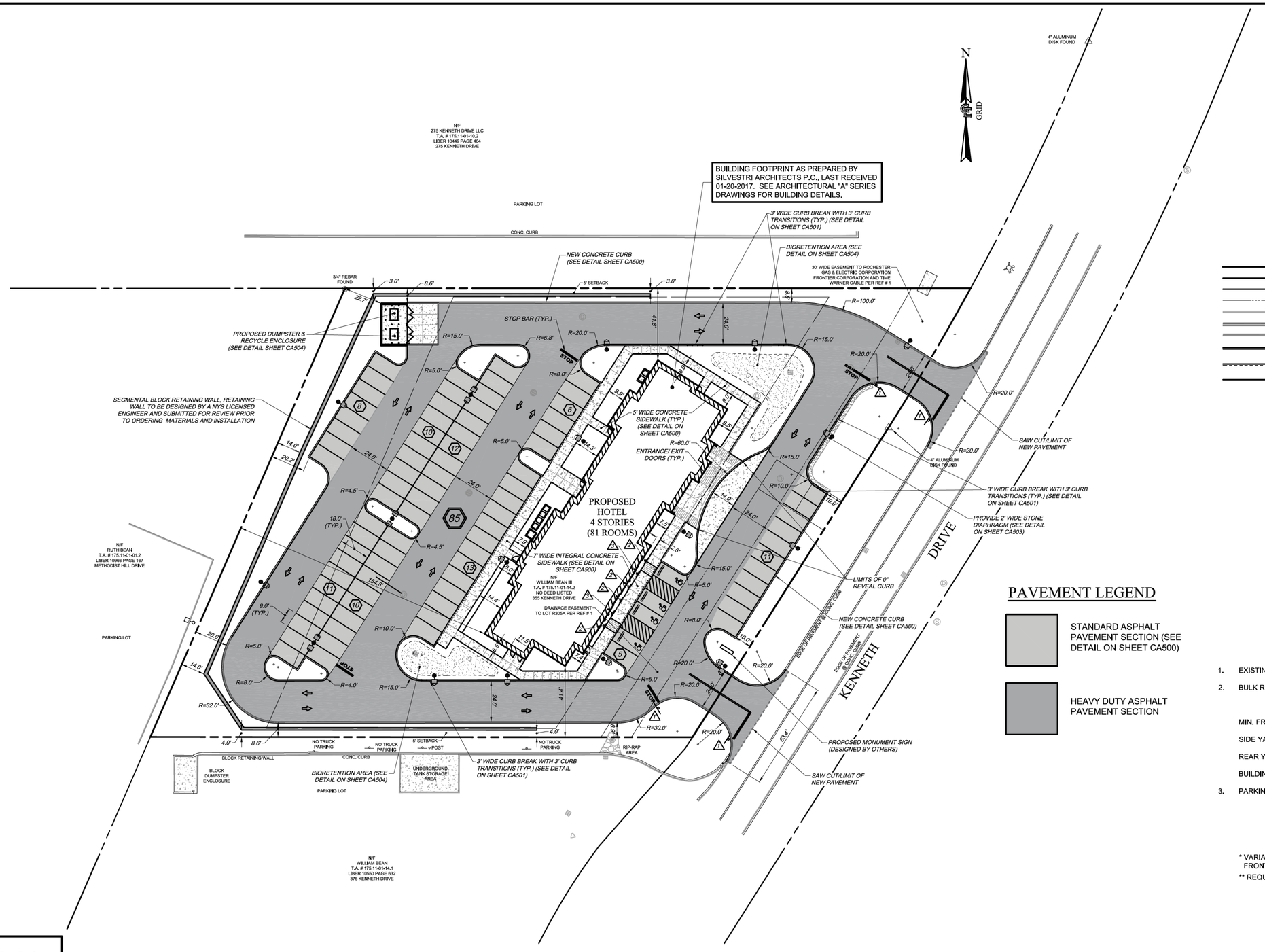
LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG.# 6315
VA100
SHEET 03 OF 13

SIGN LEGEND

SIGN NO.	TEXT	MUTCD NUMBER	DESCRIPTION	TYPE OR MOUNT	HEIGHT
1	STOP	R1-1	30"x30" OCTAGONAL WHITE ON RED	"A" OR FREE-STANDING PEDESTAL	7'-0"
2	RESERVED PARKING	P4-6	12"x18" WHITE ON BLUE	(SEE DETAIL ON SHEET CA500)	7'-0"
3	NO PARKING ANY TIME	P4-6	12"x18" RED ON WHITE	"C"	7'-0"



LINE LEGEND

- SECTION/PARCEL BOUNDARY
- EXISTING RIGHT-OF-WAY LINE
- EXISTING ADJACENT PROPERTY LINE
- EXISTING EASEMENT LINE
- EXISTING SETBACK LINE
- EXIST. CONCRETE CURB
- EXIST. EDGE OF PAVEMENT
- PROPOSED CONCRETE CURB
- PROPOSED INTEGRAL CONCRETE SIDEWALK CURBING
- PROPOSED EDGE OF PAVEMENT

SITE LEGEND

- EXISTING BUILDING
- PROPOSED BUILDING
- CONCRETE SIDEWALK
- 2' WIDE STONE DIAPHRAGM
- LIGHT POLE
- TOTAL PARKING SPACE ROW COUNT
- PROPOSED BIORETENTION AREA (SEE DETAIL SHEET CA504)

PAVEMENT LEGEND

- STANDARD ASPHALT PAVEMENT SECTION (SEE DETAIL ON SHEET CA500)
- HEAVY DUTY ASPHALT PAVEMENT SECTION

SITE DATA

1. EXISTING ZONING: INDUSTRIAL (WITH SPECIFICS) DISTRICT
2. BULK REQUIREMENTS:

	REQUIRED	PROPOSED
MIN. FRONT YARD SETBACK (FT)	70 *	76.3 MIN.
SIDE YARD SETBACK (FT)	5	41.4 MIN.
REAR YARD SETBACK (FT)	60	154.8 MAX.
BUILDING HEIGHT (FT)	40	48± **

3. PARKING:
   REQUIRED: HOTEL
   1 SPACES/PER ROOM + 1 SPACE PER 2 EMPLOYEES
   TOTAL REQUIRED = 85 SPACES
   PARKING PROVIDED = 85 SPACES

* VARIANCE GRANTED BY ZBA 03/23/2005, APPLICATION 05-010 CHANGED FRONT SETBACK 80' TO 70'. (LIBER 327 OF MAPS PAGE 38)

** REQUIRES SPECIAL PERMIT FROM TOWN BOARD

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GRAPHIC SCALE
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(IN FEET)
1 inch = 30 ft.

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK — MARK R. COSTICH — No. 065971 — Licensed Professional Engineer

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	D.T.H.
TOPO/BASE	M.G.
DATE	01/26/2017
SCALE	1"=30'

COSTICH ENGINEERING
- Civil Engineering
- Land Surveying
- Landscape Architecture

217 Lake Avenue
Rochester, NY 14608
(585) 458-3020

TITLE OF PROJECT	TRU BY HILTON 355 KENNETH DRIVE
TITLE OF DRAWING	SITE PLAN
LOCATION OF PROJECT	TAX PARCEL NO. 175.11-01-14.2 TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK
CLIENT	RUDRA MANAGEMENT 51 ANDERSON ROAD CHEEKTOWAGA, NEW YORK 14225
DWG. #	6315
	CA100
	SHEET 04 OF 13

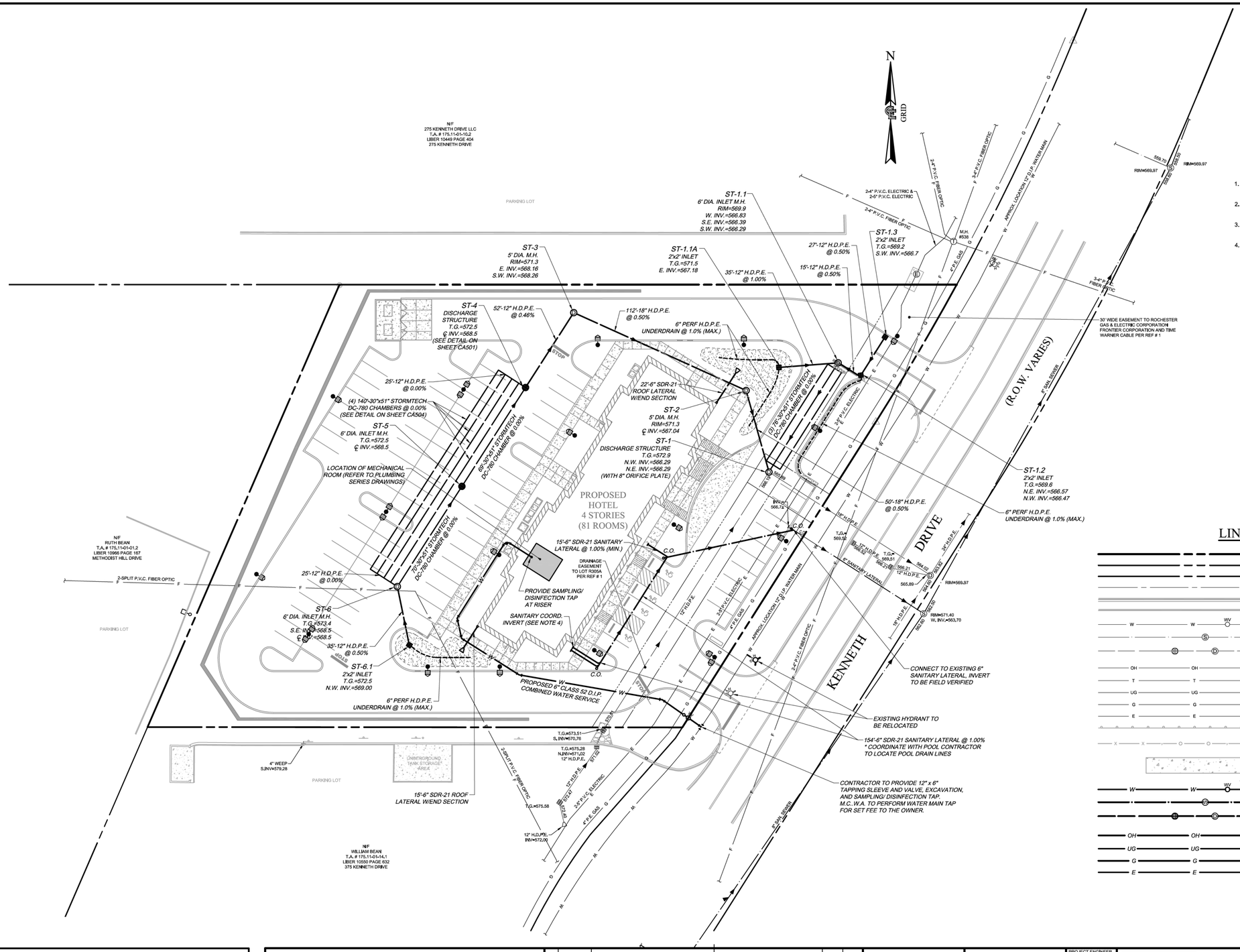
SEWER USE LAW NOTE:

FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY/COMBINATION SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAINS.

NOTE: ALL DISCHARGES TO THE SANITARY/COMBINATION SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND OR MONROE COUNTY SEWER USE LAW.

UTILITY COORDINATION NOTES

1. SITE CONTRACTOR IS RESPONSIBLE TO BRING UTILITY CONNECTIONS TO WITHIN THE BUILDING FOOTPRINT.
2. SITE CONTRACTOR TO COORDINATE UTILITY LOCATIONS WITH GENERAL CONTRACTOR.
3. WATER MAIN TO HAVE FLANGED CONNECTION 6" ABOVE FLOOR, PROVIDE SAMPLE POINT.
4. COORDINATE WITH PLUMBING CONTRACTOR FOR UTILITY TIE-IN LOCATIONS AND INVERTS 5 FEET FROM BUILDING FACE, SEE BUILDING PLUMBING "P" SERIES SHEETS.



LINE LEGEND

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- CENTER LINE
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- EXISTING DRAINAGE SEWER, FIELD INLET, INLET MANHOLE, MANHOLE, & END SECTION.
- EXISTING OVERHEAD UTILITIES
- EXISTING TELEPHONE
- EXISTING UNDERGROUND UTILITIES
- EXISTING GAS
- EXISTING ELECTRIC
- EXISTING GUARD RAIL
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- CONCRETE PAD/ CONCRETE SIDEWALK
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STATE OF NEW YORK
MARK R. COSTICH
Licensed Professional Engineer
No. 065971

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DRAWN BY	D.J.L.
BOUNDARY	D.T.H.
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COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

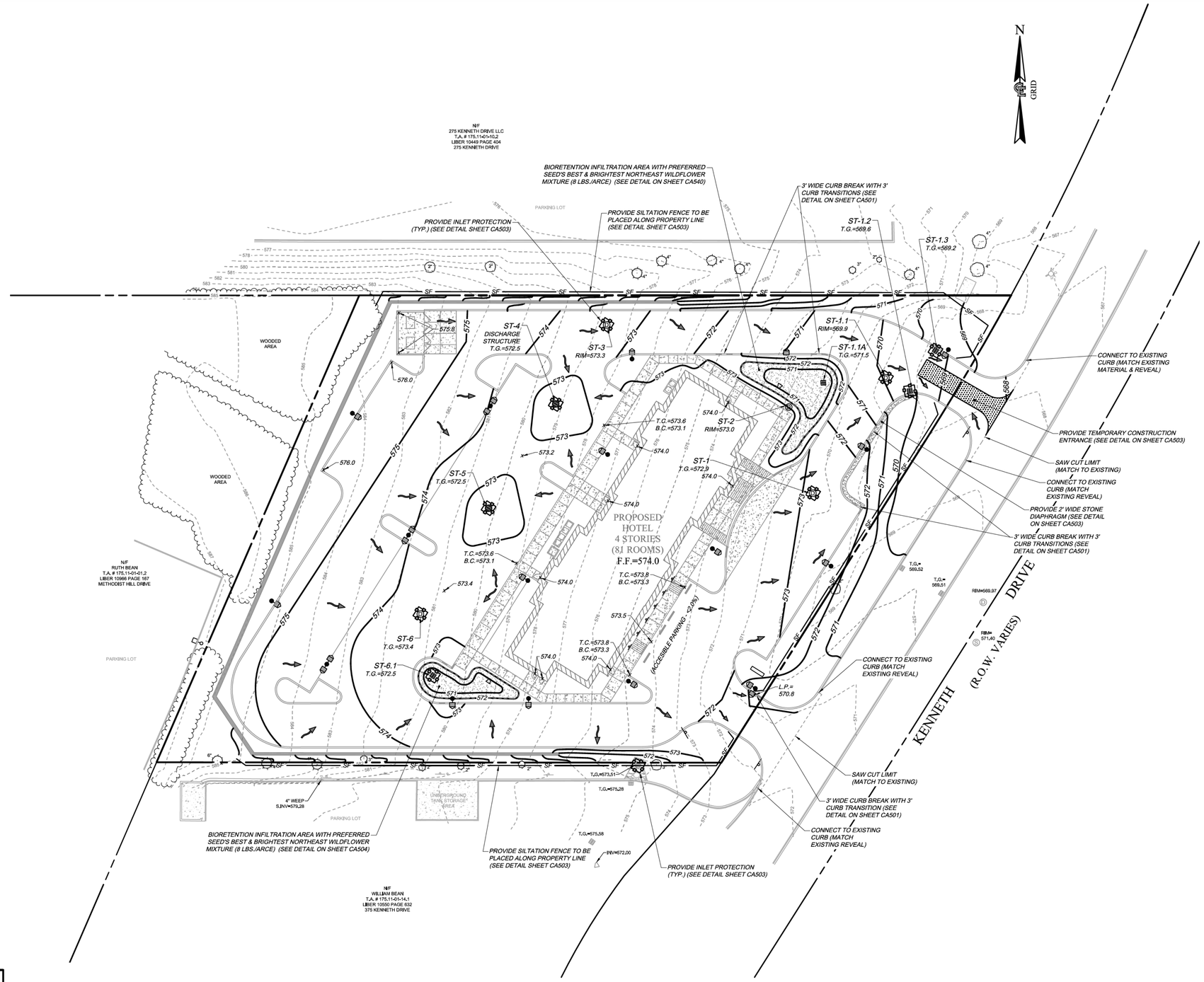
TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: UTILITY PLAN

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG.# 6315
CA110
SHEET 05 OF 13



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- EXISTING GUARD RAIL
- BARBED WIRE,STOCKADE,CHAIN LINKED FENCE
- TREE,HEDGE,EDGE OF WOODS
- EXISTING CONCRETE PAD/ CONCRETE SIDEWALK
- SILT FENCE

GRADING & EROSION CONTROL LEGEND

(SEE SHEET GA110 FOR GENERAL LEGEND)

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE CURBING
- INTEGRAL CONCRETE SIDEWALK CURBING
- PROPOSED BUILDING
- 570 PROPOSED GRADING CONTOUR
- PROPOSED INLET PROECTION
- 496.7 PROPOSED GRADING SPOT ELEVATION
- PROPOSED HYDRANT
- PROPOSED SANITARY MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED DRAINAGE INLET
- PROPOSED DRAINAGE INLET M.H.
- PROPOSED DRAINAGE END SECTION

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STATE OF NEW YORK · MARK R. COSTICH · 095971 · Licensed Professional Engineer

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COSTICH ENGINEERING
- CIVIL ENGINEERING
- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: GRADING & EROSION CONTROL PLAN

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
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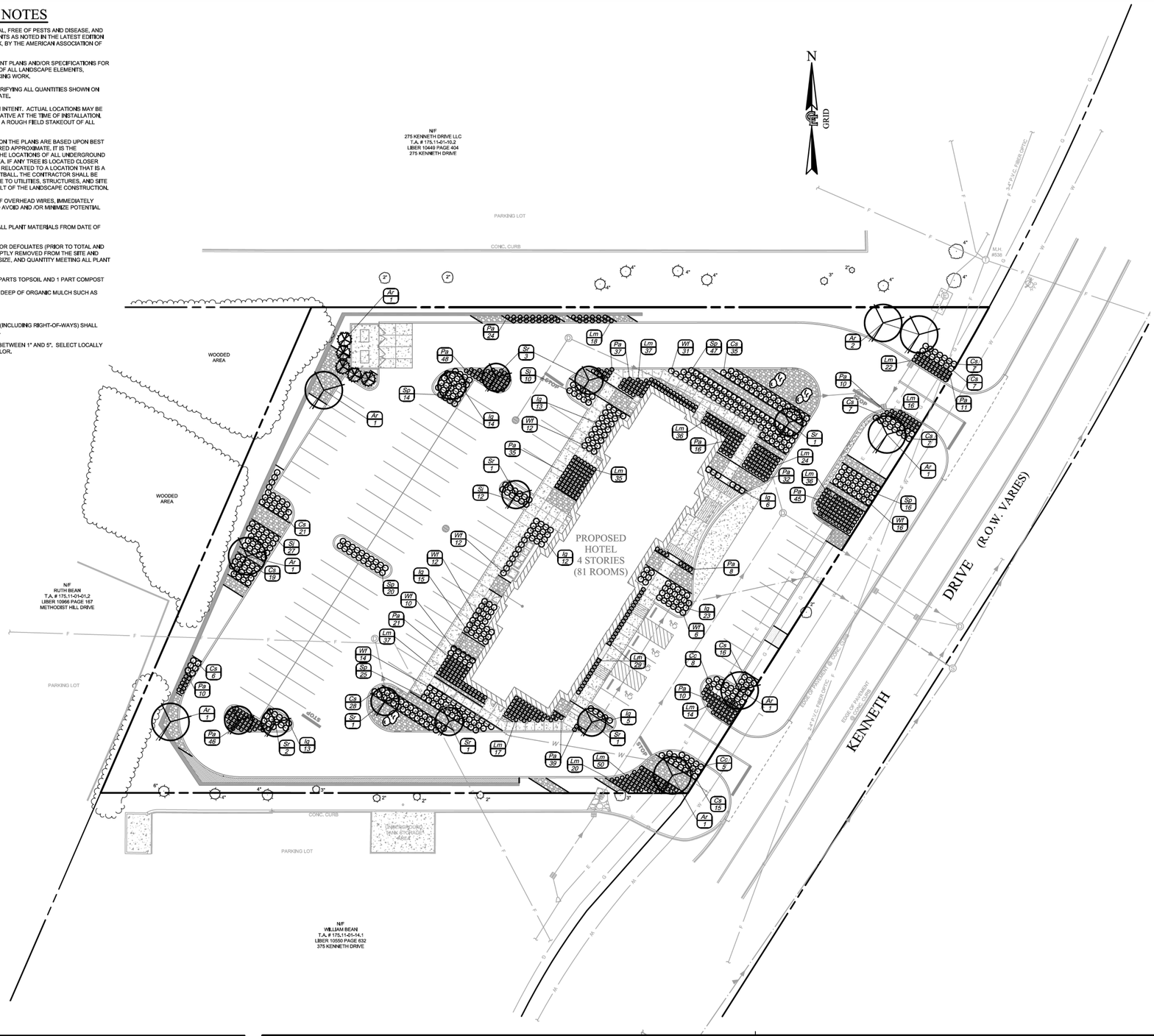
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG.# 6315
CA120
SHEET 06 OF 13

LANDSCAPE NOTES

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE, AND SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
2. THE CONTRACTOR SHALL SECURE THE MOST RECENT PLANS AND/OR SPECIFICATIONS FOR PROPER CONSTRUCTION METHODS AND MATERIAL OF ALL LANDSCAPE ELEMENTS, INCLUDING HARDSCAPE ITEMS, PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS PRIOR TO SUBMITTING A COST ESTIMATE.
4. LOCATIONS SHOWN ON THE PLANS CONVEY DESIGN INTENT. ACTUAL LOCATIONS MAY BE AS DIRECTED BY THE OWNER/OWNERS REPRESENTATIVE AT THE TIME OF INSTALLATION, AND MAY REQUIRE THE CONTRACTOR TO PERFORM A ROUGH FIELD STAKEOUT OF ALL PLANT MATERIAL
5. LOCATIONS OF EXISTING BURIED UTILITIES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE WORK AREA. IF ANY TREE IS LOCATED CLOSER THAN 5' TO AN UNDERGROUND UTILITY, IT SHALL BE RELOCATED TO A LOCATION THAT IS A MINIMUM OF 5' AWAY AS MEASURED FROM THE ROOTBALL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, AND SITE APPURTENANCES, ETC., WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
6. SHOULD THE LOCATIONS OF TREES BE WITHIN 20' OF OVERHEAD WIRES, IMMEDIATELY NOTIFY THE OWNER/OWNERS REPRESENTATIVE TO AVOID AND /OR MINIMIZE POTENTIAL CONFLICTS.
7. A TWO YEAR GUARANTEE SHALL BE PROVIDED ON ALL PLANT MATERIALS FROM DATE OF PROVISIONAL ACCEPTANCE.
8. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL AND FINAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, SIZE, AND QUANTITY MEETING ALL PLANT LIST
9. PLANTING BACKFILL MIXTURE SHALL CONSIST OF 3 PARTS TOPSOIL AND 1 PART COMPOST
10. ALL LANDSCAPE PLANTING BEDS TO RECEIVE 2" - 3" DEEP OF ORGANIC MULCH SUCH AS SHREDDED HARDWOOD OR PINE STRAW.
11. STAKE TREES IMMEDIATELY AFTER PLANTING.
12. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS (INCLUDING RIGHT-OF-WAYS) SHALL HAVE A MINIMUM OF 4" OF TOPSOIL AND BE SEEDED.
13. DECORATIVE STONE MATERIAL SHALL BE 4" DEPTH BETWEEN 1" AND 5". SELECT LOCALLY AVAILABLE ROCK THAT ARE ALL THE SAME COLOR.



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- PROPOSED UNDERGROUND UTILITIES
- PROPOSED GAS SERVICE
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LEGEND

- AREAS TO RECEIVE 4" DEPTH MIN. STONE COBBLE MULCH
- AREAS TO PLANTED WITH GROUND COVER VINCA MINOR 24" O.C.

NOTE:
ALL OTHER DISTURBED AREAS TO RECEIVE 4" TOPSOIL AND SOD

PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT NOTE
TREES				
Ar	ACER RUBRUM	RED MAPLE	3" CAL.	BB
Jc	JUNIPERUS CHINENSIS 'BLUE POINT'	BLUE POINT JUNIPER	24" SP.	BB
Sr	SYRINGA RETICULATA	IVORY SILK TREE LILAC	6'-7'	BB
SHRUBS				
Cr	CORNUS STOLONIFERA 'FARROW'	ARCTIC FIRE RED TWIG DOGWOOD	NO.2	CONT.
Ig	ILEX GLABRA 'CHAMZIN'	NORDIC INKBERRY HOLLY	NO.2	CONT.
SJ	SPIRAEA JAPONICA 'GALEN'	DOUBLE PLAY ARTISAN SPIREA	NO. 2	CONT.
Wf	WEIGELA FLORIDA 'DARK HORSE'	DARK HORSE WEIGELA	NO. 2	CONT.
PERENNIALS & GRASSES				
Cc	CARYOPTERIS CLANDONENSIS	PETIT BLEU BLUEBEARD	NO. 1	CONT.
Lm	LIRIOPE MUSCARI	LILYTURF	NO. 1	CONT.
Pa	PENNISETUM ALOPECUROIDES	DWARF FOUNTAIN GRASS	NO. 2	CONT.

ABBREVIATIONS:

BB=BALLED & BURLAPPED BR=BARE ROOT | CAL.=CALIPER IN INCHES CONT.=CONTAINER | HT.=HEIGHT NO.#=GALLON SIZE | SP.=SPREAD

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NO.	DATE	REVISION	BY	CHKD.	APVLS.

REGISTERED LANDSCAPE ARCHITECT — SARAH COSTICH KING — 002574 — STATE OF NEW YORK

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	D.T.H.
TOPO/BASE	M.G.
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TITLE OF DRAWING: LANDSCAPE PLAN

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TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

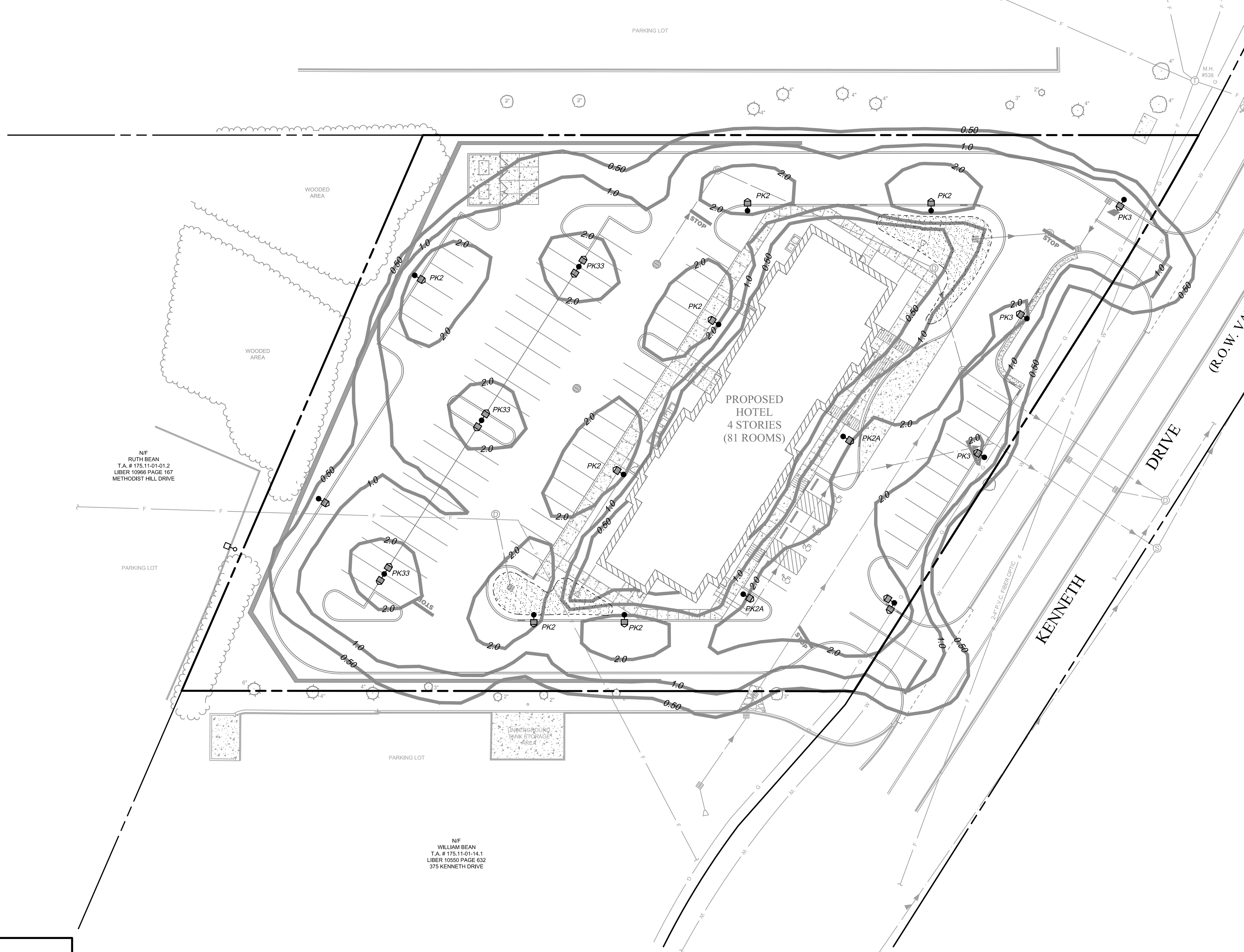
CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG. # 6315
LA100
SHEET 07 OF 13

Luminaire Schedule

Symbol	Qty	Label	Description	LAMP	LLF	Lumens	Pole Ht./Base Ht.	Mounting Ht.
◫●	7	PK2	Lithonia Lighti Type 2 (1) "T2" DSX1 LED 30C 700 40K T2S MVOLT HS	(1) LED	0.85	27434	20 Ft. 2.0 Ft.	22 Ft.
◫●	2	PK2A	Lithonia Lighti Type 2 (1) "T2A" DSX1 LED 30C 700 40K T2M MVOLT	(1) LED	0.85	22929	20 Ft. 2.0 Ft.	22 Ft.
◫●	3	PK3	Lithonia Lighti Type 3 (1) "T3" DSX1 LED 30C 700 40K T3S MVOLT HS	(1) LED	0.85	26560	20 Ft. 2.0 Ft.	22 Ft.
◫●◫	3	PK33	Lithonia Lighti Type 3 (2) "T3" DSX1 LED 30C 700 40K T3S MVOLT HS	(2) LED	0.85	26560	20 Ft. 2.0 Ft.	22 Ft.
◫●	1	PK3B	Lithonia Lighti Type 3 (2) "T3" DSX1 LED 30C 700 40K T3S MVOLT HS	(2) LED	0.85	26560	20 Ft. 2.0 Ft.	22 Ft.

NOTE:
SITE LIGHTING FIXTURES SPECIFIED TO NOT INCLUDE THE OPERATING VOLTAGE. FOR FIXTURE VOLTAGES PLEASE CONSULT THE ELECTRICAL SERIES DRAWINGS. WHERE AVAILABLE A MULTITAP VOLTAGE FIXTURE HAS BEEN SPECIFIED.



N/F
275 KENNETH DRIVE LLC
T.A. # 175.11-01-10.2
LIBER 10449 PAGE 404
275 KENNETH DRIVE
PARKING LOT
N
GRID
M.H. #538
3-4" P.V.C. FIBER OPTIC
WOODED AREA
WOODED AREA
N/F
RUTH BEAN
T.A. # 175.11-01-01.2
LIBER 10966 PAGE 167
METHODIST HILL DRIVE
PARKING LOT
PROPOSED
HOTEL
4 STORIES
(81 ROOMS)
PK2
PK33
PK2A
PK3
STOP
(R.O.W. VARIES)
KENNETH
DRIVE
UNDERGROUND TANK STORAGE AREA
PARKING LOT
N/F
WILLIAM BEAN
T.A. # 175.11-01-14.1
LIBER 10550 PAGE 632
375 KENNETH DRIVE
2-4" P.V.C. FIBER OPTIC

LINE LEGEND

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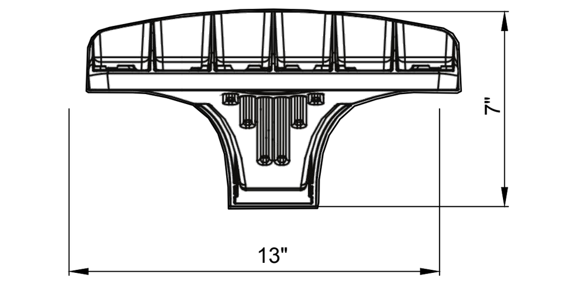
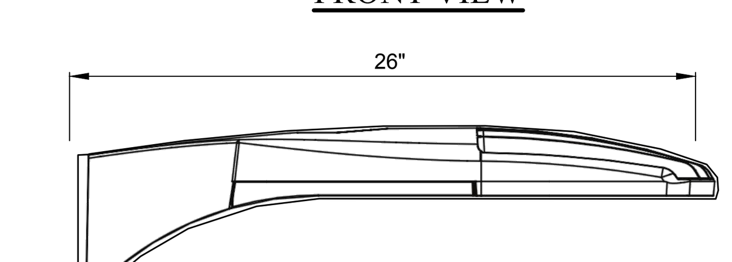
- EXIST. CONCRETE CURB
- EXIST. EDGE OF PAVEMENT
- EXISTING WATER MAIN, VALVE, & HYDRANT.
- EXISTING SANITARY SEWER, & MANHOLE.
- EXISTING DRAINAGE SEWER, FIELD INLET, INLET MANHOLE, MANHOLE, & END SECTION.
- EXISTING OVERHEAD UTILITIES
- EXISTING TELEPHONE
- EXISTING UNDERGROUND UTILITIES
- EXISTING GAS
- EXISTING ELECTRIC
- EXISTING GUARD RAIL
- BARBED WIRE,STOCKADE,CHAIN LINKED FENCE
- CONCRETE PAD/ CONCRETE SIDEWALK
- PROPOSED WATER MAIN, VALVE, & HYDRANT
- PROPOSED SANITARY SEWER, & MANHOLE
- PROPOSED DRAINAGE SEWER, FIELD INLET, INLET MANHOLE, MANHOLE, & END SECTION
- PROPOSED UNDERGROUND UTILITIES
- PROPOSED GAS SERVICE
- PROPOSED TELEPHONE & ELECTRIC SERVICE



FRONT VIEW

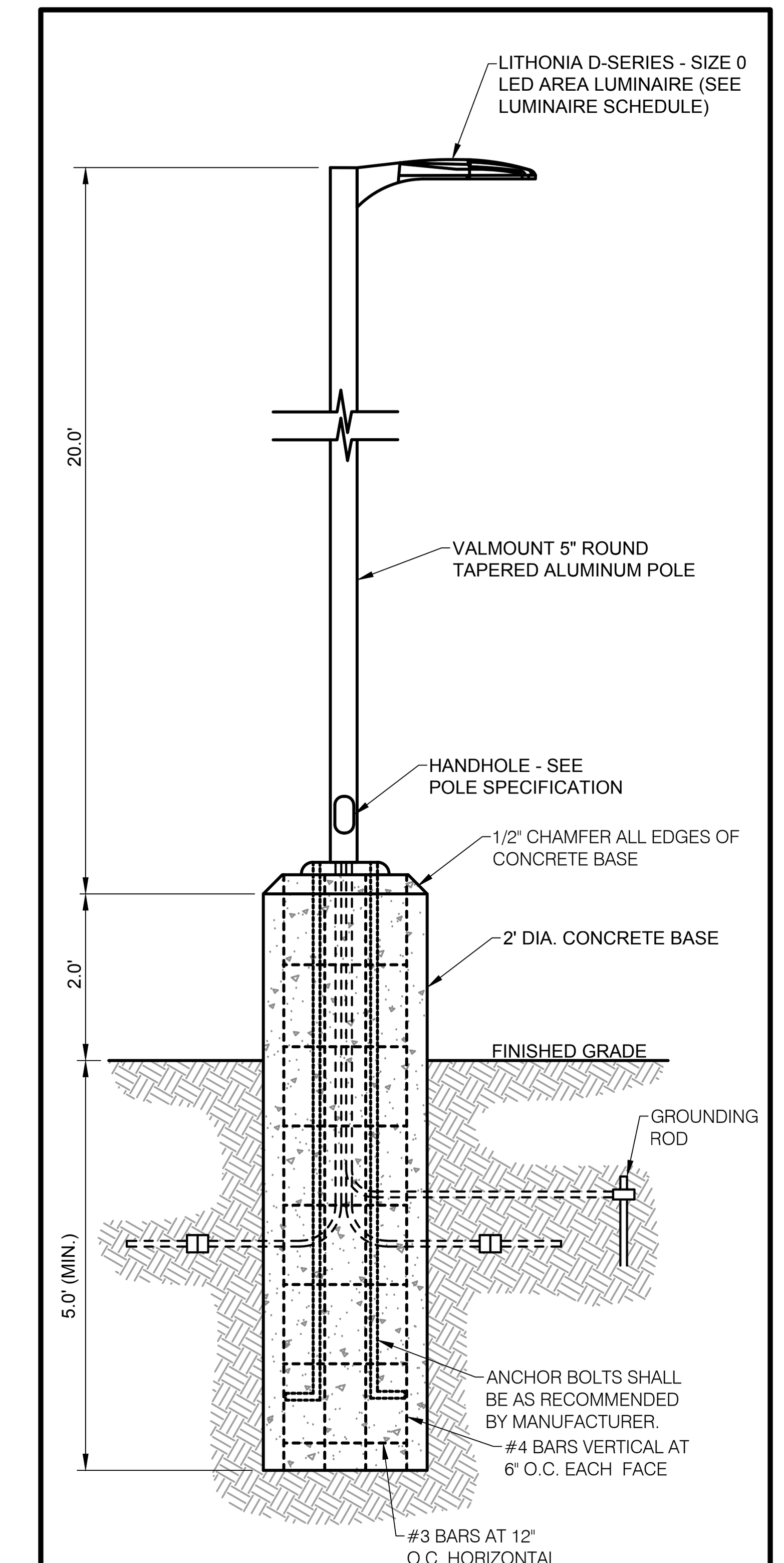


SIDE VIEW

LITHONIA D-SERIES - SIZE 0 LED AREA LUMINAIRE (SEE LUMINAIRE SCHEDULE)

LIGHT FIXTURE DETAIL

NOT TO SCALE



LITHONIA D-SERIES - SIZE 0 LED AREA LUMINAIRE (SEE LUMINAIRE SCHEDULE)
20.0'
VALMOUNT 5" ROUND TAPERED ALUMINUM POLE
HANDHOLE - SEE POLE SPECIFICATION
1/2" CHAMFER ALL EDGES OF CONCRETE BASE
2' DIA. CONCRETE BASE
2.0'
FINISHED GRADE
GROUNDING ROD
5.0' (MIN.)
ANCHOR BOLTS SHALL BE AS RECOMMENDED BY MANUFACTURER.
#4 BARS VERTICAL AT 6" O.C. EACH FACE
#3 BARS AT 12" O.C. HORIZONTAL

LIGHT POLE AND FIXTURE DETAIL

NOT TO SCALE

Dig Safely. New York
Underground Facilities Protective Organization
- Call Before You Dig
- Wait The Required Time
- Confirm Utility Response
- Respect The Marks
- Dig With Care

800-962-7962
www.digsafelynewyork.com

EXISTING UTILITIES (LOCATION, SIZES AND INVERTS) SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT CERTIFIED AS TO THE ACCURACY OF THEIR LOCATION OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES AND STRUCTURES IN THE PATH OF, OR CLOSELY PARALLEL TO, OR UNDER, THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS OR DAMAGES OCCURRING AS A RESULT OF INCORRECTLY LOCATED UTILITIES. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES. THE CONTRACTOR SHALL ALSO NOTIFY UNDERGROUND UTILITY LOCATION SERVICE AT LEAST 48 HOURS IN ADVANCE OF COMMENCING ANY WORK.

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK
MARK R. COSTICH
EXCELSIOR
NO. 065971
Licensed Professional Engineer

PROJECT ENGINEER: A.H.A.
DRAWN BY: D.J.L.
BOUNDARY: D.T.H.
TOPO/BASE: M.G.
DATE: 01/26/2017
SCALE: 1"=30'

COSTICH ENGINEERING
- CIVIL ENGINEERING
- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

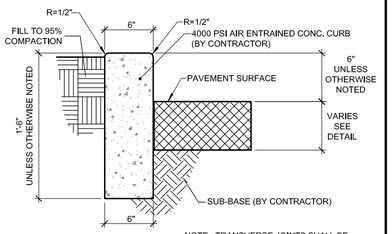
TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: LIGHTING PLAN

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

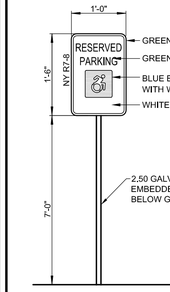
DWG. # 6315
LA110
SHEET 08 OF 13



NOTE: TRANSVERSE JOINTS SHALL BE 1/2" FULL DEPTH ASPHALT IMPREGNATED FIBER EXP. JOINT RECESSED 1/4" IN FROM THE FRONT FACE AND TOP OF THE CURB @ 20'-0" MAXIMUM.

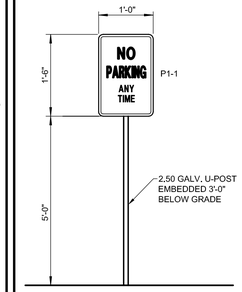
CONCRETE CURB DETAIL

NOT TO SCALE



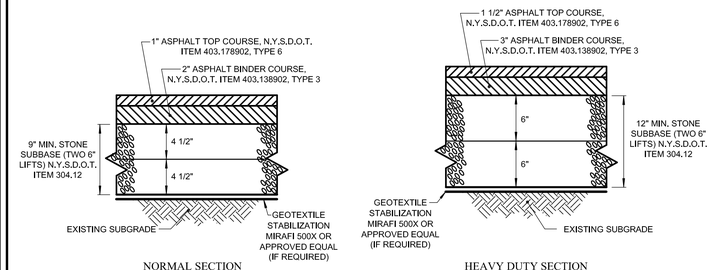
HANDICAP PARKING SIGN DETAIL

NOT TO SCALE



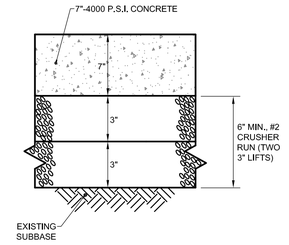
NO PARKING SIGN DETAIL

NOT TO SCALE



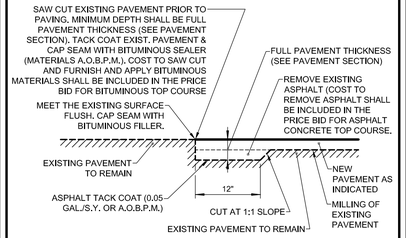
TYPICAL PAVEMENT SECTIONS

NOT TO SCALE



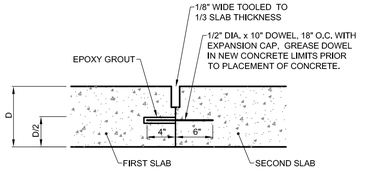
DUMPSTER PAD CONCRETE PAVEMENT SECTION DETAIL

NOT TO SCALE



PAVEMENT KEY FOR MILLING, RESURFACING AND NEW/ EXISTING PAVEMENT MATCH DETAIL

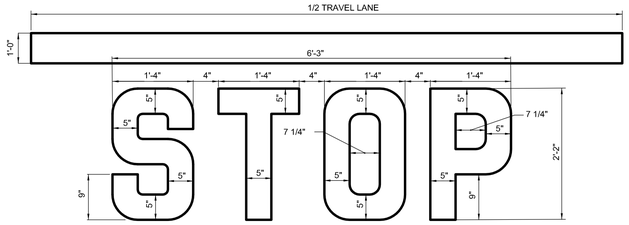
NOT TO SCALE



CONSTRUCTION JOINT - B

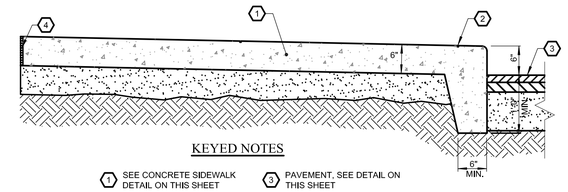
NOTE:

1. ISOLATION JOINTS TO BE CONSTRUCTED AT BUILDING, CURBING, AND FIXED OBJECTS.
2. CONTROL JOINTS TO BE MADE EVERY 12 FEET ON CENTER.
3. THE LARGER DIMENSION OF ANY PANEL SHALL NOT EXCEED 125% OF THE SMALLER DIMENSION.
4. SAW CUT CONTROL JOINTS TO 1/3 SLAB THICKNESS WITHIN 24 HOURS OF CONCRETE PLACEMENTS.
5. ALL EXPOSED CONCRETE SURFACES TO RECEIVE A BROOM FINISH.
6. ALL EXPOSED CONCRETE TO RECEIVE TWO COATS OF MEMBRANE FORMING SEALER.
7. CONCRETE SHALL ACHIEVE 400 P.S.I. COMPRESSIVE MINIMUM STRENGTH AT 28 DAYS AND 600 P.S.I. FLEXURAL.
8. CONCRETE SHALL HAVE AN AIR CONTENT OF 6.0 PERCENT ± 1.5 PERCENT.
9. CONCRETE SLUMP SHALL NOT EXCEED 4 INCHES PER PAVEMENTS PLACE BY OTHER THAN SLIP FORM EQUIPMENT OR 1-1/2 INCHES FOR CONCRETE PLACED WITH SLIP FORM EQUIPMENT.
10. REFER TO PAVEMENT JOINT LAYOUT FOR JOINT PLACEMENT GUIDELINES.



STOP BAR DETAIL

NOT TO SCALE

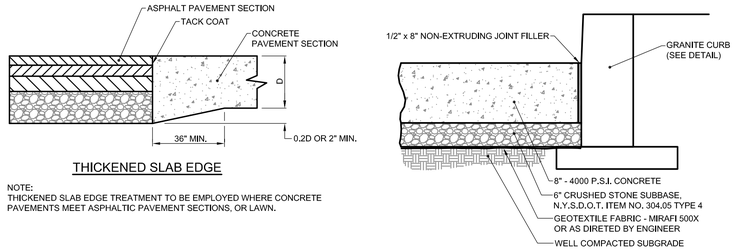


KEYED NOTES

1. SEE CONCRETE SIDEWALK DETAIL ON THIS SHEET
2. CONTROL JOINT, SEE DETAIL ON THIS SHEET
3. PAVEMENT, SEE DETAIL ON THIS SHEET
4. FULL DEPTH ISOLATION JOINT, SEE DETAIL ON THIS SHEET

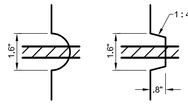
TYPICAL PERIMETER SIDEWALK DETAIL

NOT TO SCALE

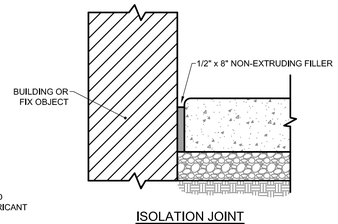


THICKENED SLAB EDGE

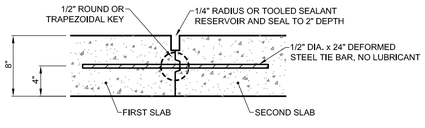
NOTE:
THICKENED SLAB EDGE TREATMENT TO BE EMPLOYED WHERE CONCRETE PAVEMENTS MEET ASPHALTIC PAVEMENT SECTIONS, OR LAWN.



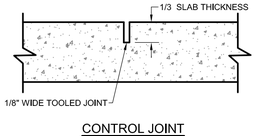
HALF ROUND TRAPEZOIDAL



ISOLATION JOINT



CONSTRUCTION JOINT - A



CONTROL JOINT

CONCRETE PAVEMENT DETAIL

NOT TO SCALE

CURB RAMP DIMENSION NOTES:

GENERAL

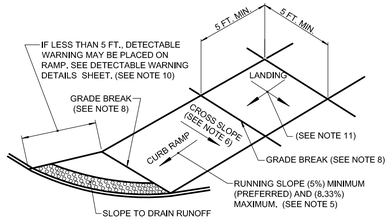
1. THE DIMENSIONS AND SLOPES PRESENTED IN THE DETAILS ARE THE MINIMUM NECESSARY TO COMPLY WITH THE ADA AND DOT STANDARDS. ANY DEVIATION LESS THAN THE MINIMUM WIDTH OR GREATER THAN THE MAXIMUM SLOPE FROM THESE STANDARDS MUST BE DOCUMENTED WITH THE STANDARDS BEING MET TO THE GREATEST EXTENT PRACTICABLE AND CONSISTENT WITH THE MOST CURRENT ADAAG.
2. CURB RAMPS, LANDINGS AND BLENDED TRANSITIONS MAY REQUIRE THE USE OF DETECTABLE WARNINGS. DETECTABLE WARNINGS ON THIS SHEET ARE SHOWN FOR ILLUSTRATION ONLY. SEE THE DETECTABLE WARNING STANDARD SHEET M608-13 FOR DETAILS ON PLACEMENT, ORIENTATION & DIMENSIONS. SEE CHAPTER 18 OF THE HIGHWAY DESIGN MANUAL FOR MORE INFORMATION.

CURB RAMPS

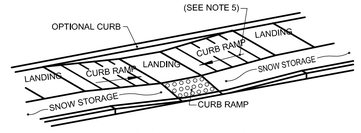
3. THE MINIMUM WIDTH FOR SIDEWALK CURB RAMPS IS 5 FT.
4. THE RUNNING SLOPE OF A CURB RAMP SHALL BE 1:20 (5%) MINIMUM (PREFERRED) AND 1:12 (8.33%) MAXIMUM.
5. WHERE THE SLOPE OF THE ROADWAY EXCEEDS 8.33% THE CURB RAMP LENGTH IS THE LENGTH NECESSARY TO MEET THE EXISTING SIDEWALK, EXCEPT THAT IT NEED NOT BE MORE THAN 4.5 m IN LENGTH.
6. THE CROSS SLOPE OF CURB RAMPS SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEED 1:50 (2%). THE CROSS SLOPE AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
7. THE VERTICAL ALIGNMENT OF A CURB RAMP, EXCLUDING THE FLARES, SHALL BE PLANAR. GRADE BREAKS SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.
8. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4 INCH MAX).
9. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED PARALLEL TO THE CURB LINE, SHALL BE PROVIDED.

LANDINGS

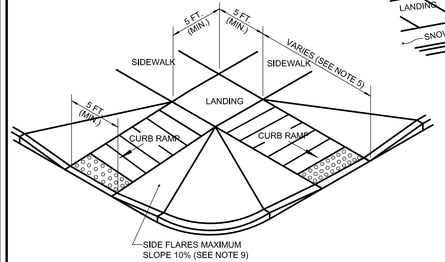
10. LANDINGS SHALL HAVE A MINIMUM CLEAR DIMENSION OF A 5 FT. BY 5 FT. EXCEPT AT THE BOTTOM OF RAMPS TYPE 1 & 2 ON SHEET M608-11.
11. THE RUNNING AND CROSS SLOPES ON LANDINGS AT INTERSECTIONS IS 1:50 (2%) MAXIMUM. THE RUNNING AND CROSS SLOPES AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.



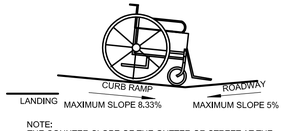
CURB RAMP WITHOUT SIDE FLARES
TYPICAL DIMENSIONING



MID-BLOCK CROSSING CURB RAMP
TYPICAL DIMENSIONING



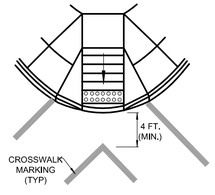
CURB RAMP WITH SIDE FLARES
TYPICAL DIMENSIONING



NOTE:
THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, LANDING, OR BLENDED TRANSITION SHALL BE 5% MAXIMUM.

COUNTER SLOPE CONDITIONS

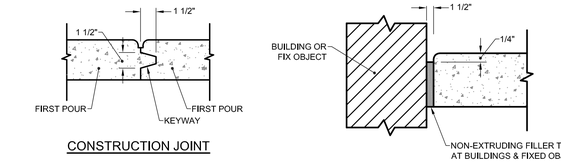
NOTE:
DETECTABLE WARNING FIELD SHALL BE 2' WIDE FROM BACK OF CURB.



DIAGONAL SIDEWALK CURB RAMP

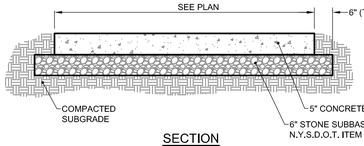
SIDEWALK CURB RAMP DIMENSIONS (DIMENSIONS, DETAILS AND GEOMETRY)

NOT TO SCALE

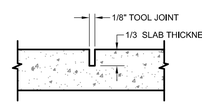


CONSTRUCTION JOINT

EXPANSION JOINT



SECTION



CONTROL JOINT

NOTE:

1. CONCRETE SHALL BE 4000 P.S.I. AIR-ENTRAINED MIX.
2. CONCRETE SURFACE SHALL RECEIVE A BROOM FINISH AND TWO COATS OF A MEMBRANE FORMING SEALER AT RATES SPECIFIED BY PRODUCT MANUFACTURER.
3. EXPANSION JOINTS SHALL BE PROVIDED AT A FIXED STRUCTURES.
4. CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON PLAN AND IN ACCORDANCE WITH ACI 330-R92. THESE JOINTS SHALL BE COMPLETED WITHIN 24 HOURS OF CONCRETE PLACEMENT.
5. SIDEWALK SET ADJACENT TO CURB SHALL HAVE A 2.0% CROSS-SLOPE TO CURB. OTHER AREAS SHALL DRAIN AS INDICATED ON GRADING PLAN.

CONCRETE SIDEWALK DETAIL

NOT TO SCALE

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK — MARK R. COSTICH — 090971 — Licensed Professional Engineer

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	- -
TOPO/BASE	- -
DATE	01/26/2017
SCALE	N.T.S.

COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

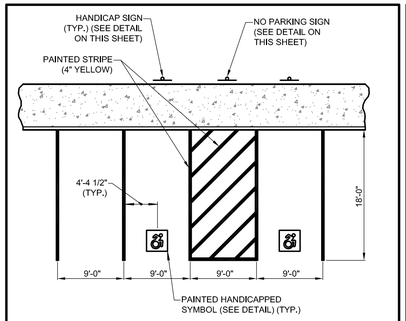
TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: DETAIL SHEET

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

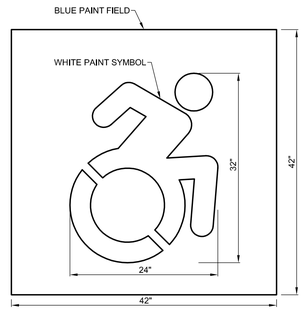
CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG. # 6315
CA500
SHEET 09 OF 13



TYPICAL PARKING AND STRIPING DETAIL

NOT TO SCALE



ACCESSIBLE SYMBOL PAVEMENT MARKING DETAIL

NOT TO SCALE

MINIMUM HORIZONTAL THRUST BLOCK DIMENSIONS, IN FEET, TO BE POURED AGAINST UNDISTURBED SOIL			
FITTING *	H	W	A
4" x 11-1/4" BEND	0.75	0.75	1.0
4" x 22-1/2" BEND	0.75	1.0	1.0
4" x 45° BEND	1.25	1.5	1.0
4" x 90° BEND	1.5	2.0	1.0
4" TEE OR PLUG	1.25	2.0	.75

NOTE; WIDTH (W) OF BLOCK SHALL NOT EXCEED TWICE THE HEIGHT (H).

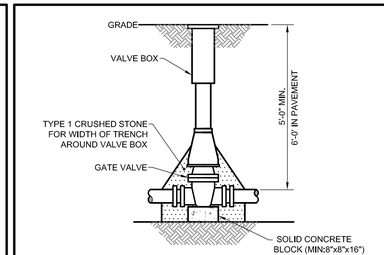
HORIZONTAL THRUST BLOCK CHART

DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-8 (1-1-97) - NOT TO SCALE

BEND *	MINIMUM VOLUME OF CONCRETE	MINIMUM ALLOWABLE DIMENSIONS FOR VERTICAL THRUST BLOCKS (IN FEET)				
	DIMENSIONS	A	B	C	D	E
4" x 11-1/4"	6 CF	2.0	0.5	1.5	2.0	1.0
4" x 22-1/2"	11 CF	2.5	1.0	1.5	2.5	1.0
4" x 45°	20 CF	3.0	1.0	2.0	2.5	1.5

VERTICAL THRUST BLOCK CHART

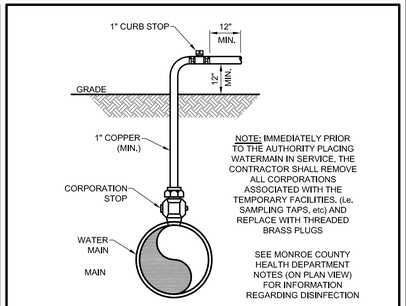
DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-10 (1-1-97) - NOT TO SCALE



NOTE:
1. VALVE BOX SHALL BE CENTERED ON VALVE & SET ON COMPACTED BACKFILL.
2. VALVE SHALL NOT SUPPORT VALVE BOX.
3. ALL BODY AND BONNET BOLTS SHALL BE STAINLESS STEEL.
4. ALL VALVES SHALL BE OPEN LEFT EXCEPT VALVES 12" AND SMALLER INSTALLED IN THE TOWN OF WEBSTER (WHICH SHALL BE OPEN RIGHT).

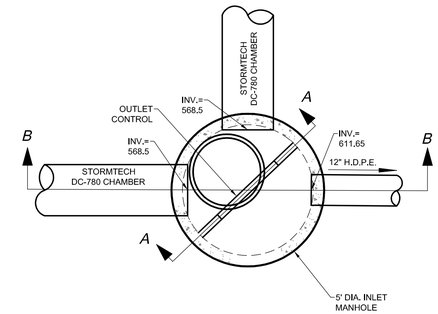
WATER VALVE

DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-5 (REV:10-7-98) - NOT TO SCALE

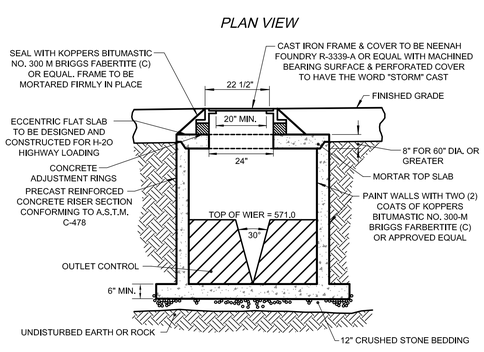


DISINFECTION BLOW-OFF SAMPLING TAP DETAIL

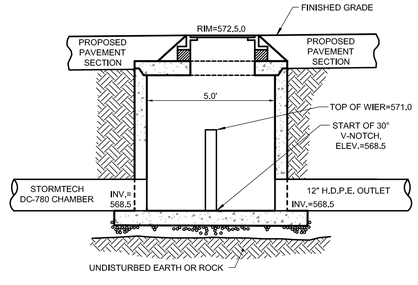
DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIG. NO. DME-17 (2-1-00) - NOT TO SCALE



PLAN VIEW



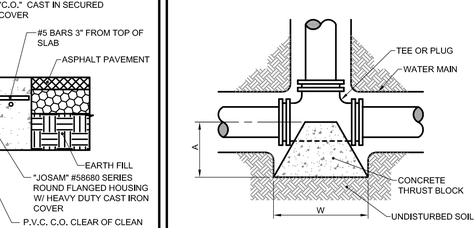
SECTION VIEW A - A



SECTION VIEW B - B

OUTLET CONTROL STRUCTURE DETAIL D-1A

NOT TO SCALE

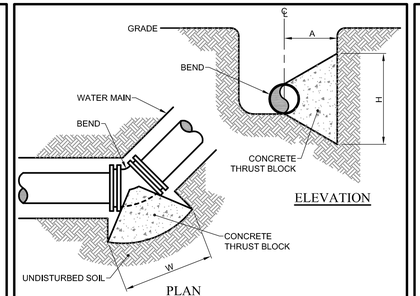


CLEAN OUT DETAIL

NOT TO SCALE

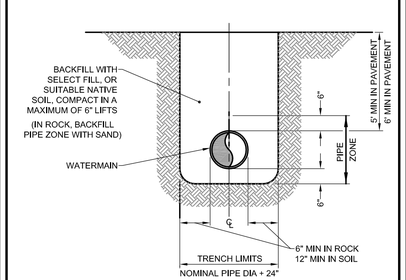
HORIZONTAL THRUST BLOCKS FOR TEES AND PLUGS DETAIL

DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-7 (1-1-97) - NOT TO SCALE



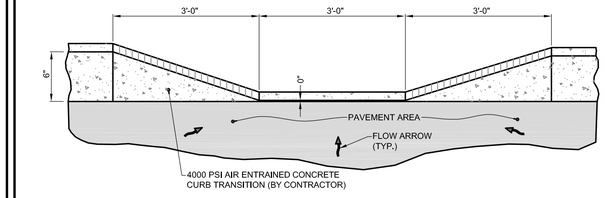
HORIZONTAL THRUST BLOCKS FOR BENDS DETAIL

DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-6 (1-1-97) - NOT TO SCALE



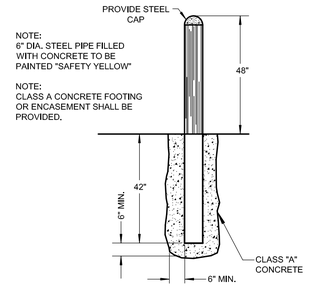
WATERMAIN TRENCH DETAIL

DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-3 (1-1-97) - NOT TO SCALE



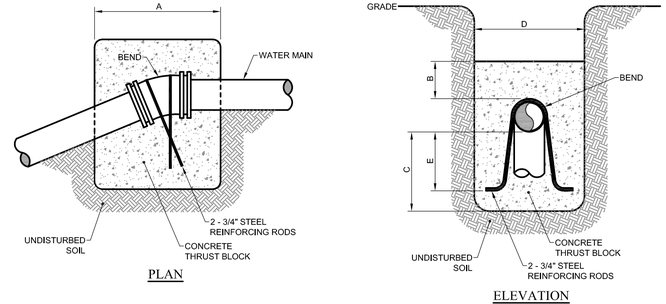
DRAINAGE CURB CUT DETAIL

NOT TO SCALE



6" BOLLARD DETAIL

NOT TO SCALE



VERTICAL THRUST BLOCKS DETAIL

DETAIL DRAWN & PROVIDED BY THE MONROE COUNTY WATER AUTHORITY M.C.W.A. FIGURE NO. DME-9 (1-1-97) - NOT TO SCALE

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK — MARK R. COSTICH — 076971 — Licensed Professional Engineer

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	- -
TOPO/BASE	- -
DATE	01/26/2017
SCALE	N.T.S.

COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

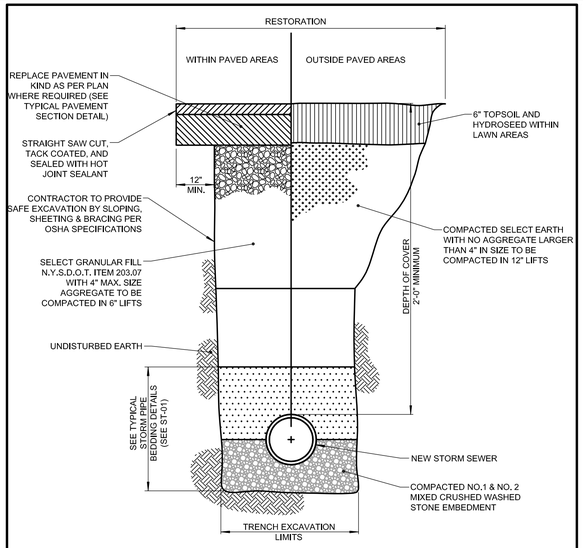
TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: DETAIL SHEET

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

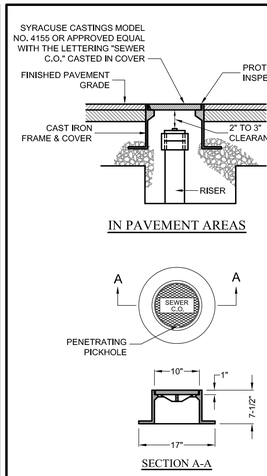
DWG.# 6315
CA501
SHEET 10 OF 13



TYPICAL STORM SEWER TRENCH DETAIL

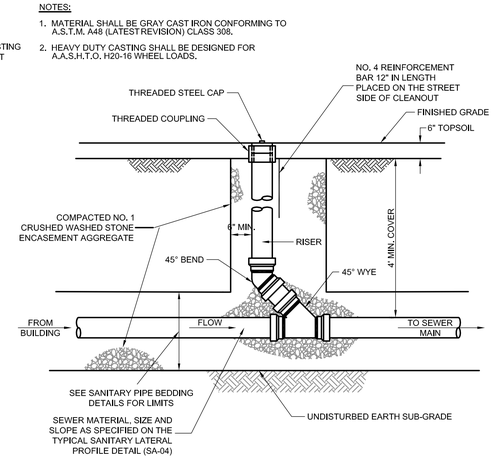
NOT TO SCALE

ST-02



NOTES:

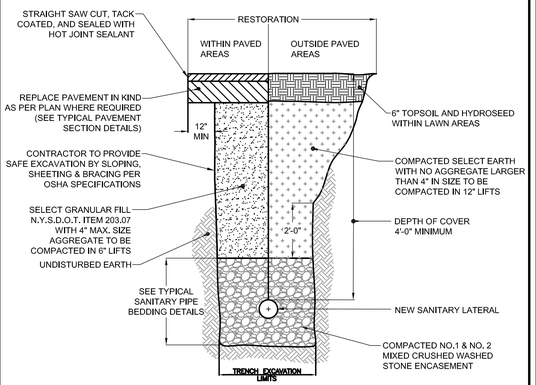
1. MATERIAL SHALL BE GRAY CAST IRON CONFORMING TO A.S.T.M. A48 (LATEST REVISION) CLASS 30B.
2. HEAVY DUTY CASTING SHALL BE DESIGNED FOR A.A.S.H.T.O. H20-16 WHEEL LOADS.



SANITARY LATERAL CLEANOUT DETAIL

NOT TO SCALE

SA-07



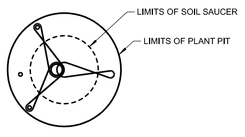
TYPICAL SANITARY LATERAL TRENCH DETAIL

NOT TO SCALE

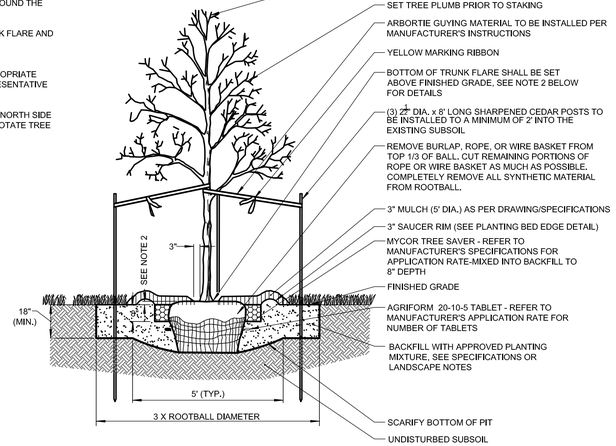
SA-03

NOTES:

1. MAINTAIN A 3" MINIMUM RADIUS CLEAR OF MULCH AROUND THE TRUNK.
2. THE DISTANCE BETWEEN THE BOTTOM OF THE TRUNK FLARE AND THE FINISHED GRADE SHALL BE AS FOLLOWS:
   FOR SANDY OR LOAMY SOILS: 1"
   FOR CLAY OR POORLY DRAINED SOILS: 3"
   THE CONTRACTOR SHALL REVIEW THE APPROPRIATE PLANTING DEPTH WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
3. WHEN TAGGING TREES AT THE NURSERY, MARK THE NORTH SIDE OF THE TREE IN THE FIELD AND WHEN INSTALLING, ROTATE TREE TO FACE NORTH WHENEVER POSSIBLE

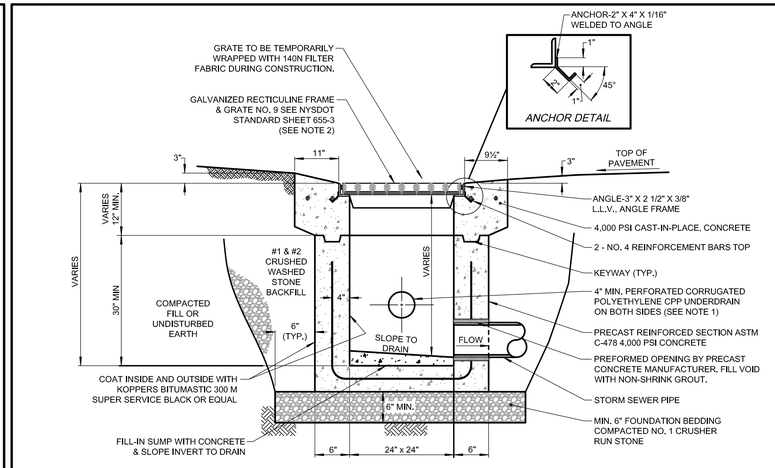


PLAN



DECIDUOUS TREE PLANTING LESS THAN 4" CAL. DETAIL

NOT TO SCALE



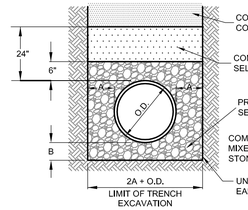
NOTES:

1. ROADWAY UNDERDRAIN PIPE SHALL ONLY BE PLUGGED ON DOWNSTREAM SIDE OF CATCH BASIN, BUT NOT IN LOW POINT CATCH BASINS.
2. THE MAIN SUPPORT BARS ON THE RETICULINE GRATE SHALL BE PARALLEL TO THE ROADWAY WITH SECURING BOLTS PERPENDICULAR TO ROADWAY.
3. UPON COMPLETION & ACCEPTANCE OF CATCH BASIN, THE GRATE SHALL BE BOLTED DOWN FOR PUBLIC SAFETY.

CATCH BASIN - GUTTER APRON DETAIL

NOT TO SCALE

ST-15

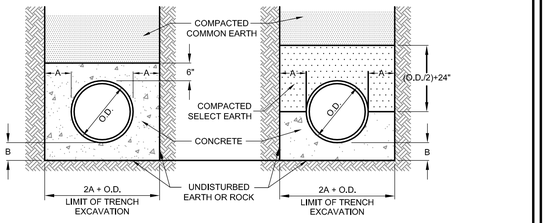


PIPE DIA.	A	B
UP TO 18"	12"	6"
21" TO 36"	18"	9"
OVER 36"	24"	12"

NOTES:

1. ALL SANITARY SEWER PIPE SHALL BE 8" MINIMUM PIPE DIAMETER, POLYVINYL CHLORIDE PIPE (PVC SDR-35), BELL & SPIGOT TYPE & RUBBER GASKET.
2. ALL SANITARY LATERAL PIPE SHALL BE 4" MINIMUM PIPE DIAMETER, POLYVINYL CHLORIDE PIPE(PVC SDR-21), BELL & SPIGOT TYPE & RUBBER GASKET OR SCHEDULE 40.
3. ALL SANITARY SEWER PIPE SHALL BE ENCASED WITH NO.1 & NO.2 MIXED WASHED CRUSHED STONE.
4. CONCRETE SHALL BE CAST-IN-PLACE CLASS "A" MEETING NYSDOT SECTION 501 SPECIFICATIONS.

TYPICAL SANITARY BEDDING DETAIL



CONCRETE ENCASEMENT

CONCRETE CRADLE

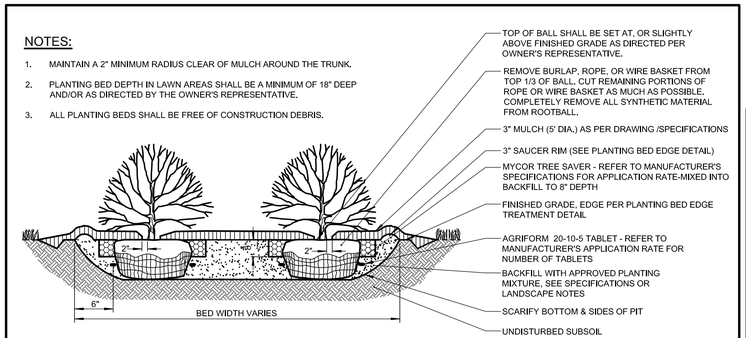
TYPICAL SANITARY PIPE BEDDING DETAIL

NOT TO SCALE

SA-01

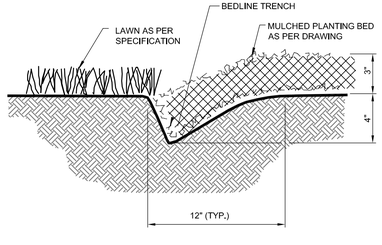
NOTES:

1. MAINTAIN A 2" MINIMUM RADIUS CLEAR OF MULCH AROUND THE TRUNK.
2. PLANTING BED DEPTH IN LAWN AREAS SHALL BE A MINIMUM OF 18" DEEP AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. ALL PLANTING BEDS SHALL BE FREE OF CONSTRUCTION DEBRIS.



SHRUB PLANTING DETAIL

NOT TO SCALE



PLANTING BED EDGE TREATMENT DETAIL

NOT TO SCALE

NO.	DATE	REVISION	BY	CHKD.	APV'LS.

STATE OF NEW YORK — MARK R. COSTICH — 090691 — Licensed Professional Engineer

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	- -
TOPO/BASE	- -
DATE	01/26/2017
SCALE	N.T.S.

COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

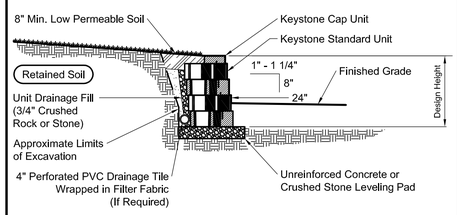
TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: DETAIL SHEET

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

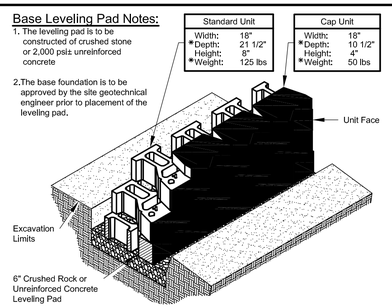
DWG.# 6315
CA502
SHEET 11 OF 13



TYPICAL GRAVITY WALL SECTION

Standard Unit - 1" Setback

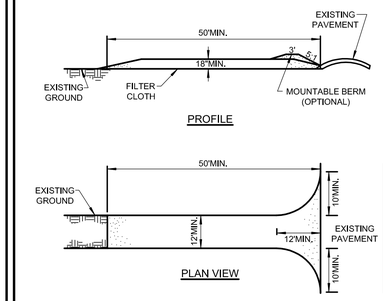
NOT TO SCALE



STANDARD UNIT/BASE PAD ISOMETRIC SECTION VIEW

* Dimensions & Weight May Vary by Region

NOT TO SCALE

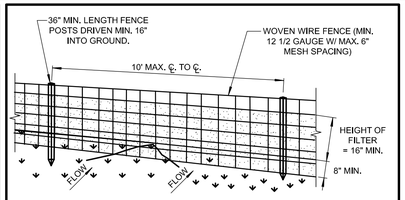


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN EIGHTEEN (18) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

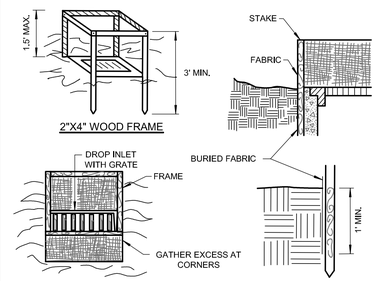


CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE OR 50% OF THE HEIGHT OF THE SILT FENCE IS COVERED.

SILT FENCE DETAIL

NOT TO SCALE



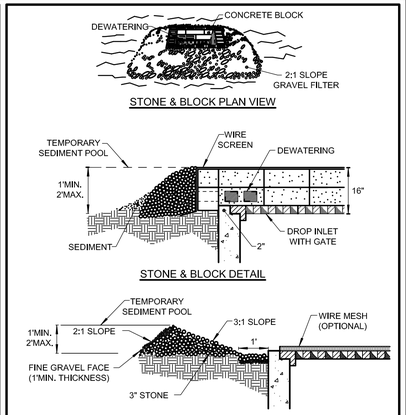
CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85, BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE OR 50% OF THE HEIGHT OF THE SILT FENCE IS COVERED.

MAXIMUN DRAINAGE AREA 1 ACRE

FILTER FABRIC DROP INLET PROTECTION DETAIL

NOT TO SCALE



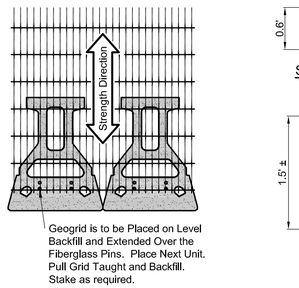
CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

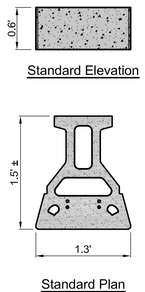
MAXIMUM DRAINAGE AREA 1 ACRE

STONE AND BLOCK DROP INLET PROTECTION DETAIL

NOT TO SCALE

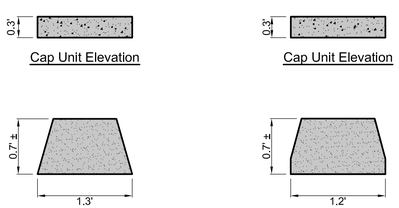


GRID & PIN CONNECTION



STANDARD UNIT

* Dimensions May Vary by Region



UNIVERSAL CAP UNIT OPTION

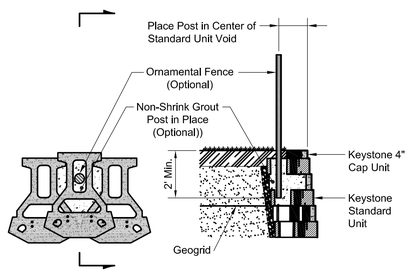
* Dimensions & Availability Will Vary by Region

NOT TO SCALE

STRAIGHT SPLIT CAP UNIT OPTION

* Dimensions & Availability Will Vary by Region

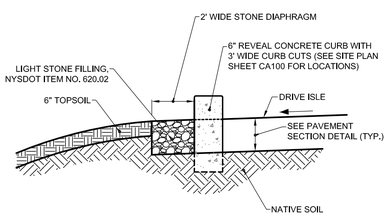
NOT TO SCALE



FENCE SECTION & PLAN DETAIL

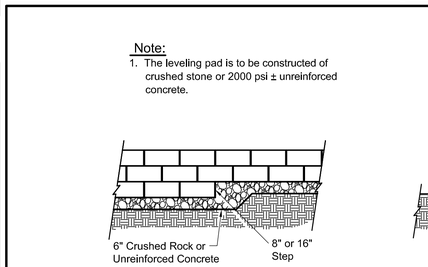
Standard Unit - 1" Setback

NOT TO SCALE



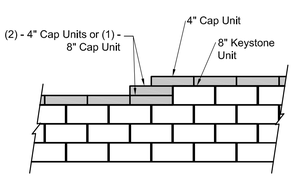
STONE DIAPHRAGM DETAIL

NOT TO SCALE



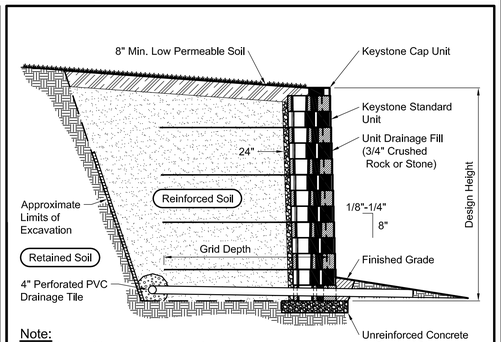
LEVELING PAD DETAIL

NOT TO SCALE



TOP OF WALL STEPS

NOT TO SCALE



TYPICAL REINFORCED WALL SECTION

Standard Unit - Near Vertical Setback

NOT TO SCALE

NO.	DATE	REVISION	BY	CHKD.	APVLS.

STATE OF NEW YORK · MARK R. COSTICH · 065971 · Licensed Professional Engineer

PROJECT ENGINEER	A.H.A.
DRAWN BY	D.J.L.
BOUNDARY	- -
TOPO/BASE	- -
DATE	01/26/2017
SCALE	N.T.S.

COSTICH ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• LANDSCAPE ARCHITECTURE
217 LAKE AVENUE
ROCHESTER, NY 14608
(585) 458-3020

TITLE OF PROJECT: TRU BY HILTON
355 KENNETH DRIVE

TITLE OF DRAWING: DETAIL SHEET

LOCATION OF PROJECT: TAX PARCEL NO. 175.11-01-14.2
TOWN LOT 15, FOURTH RANGE, TOWNSHIP 12, RANGE 7, PHELPS & GORHAM PURCHASE, TOWN OF HENRIETTA, COUNTY OF MONROE, STATE OF NEW YORK

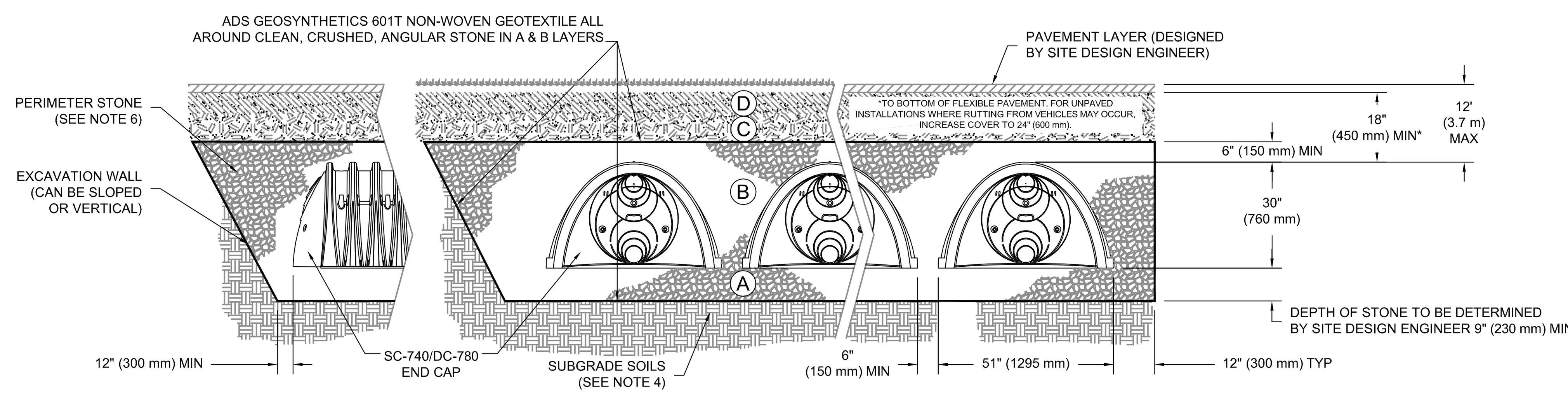
CLIENT: RUDRA MANAGEMENT
51 ANDERSON ROAD
CHEEKTOWAGA, NEW YORK 14225

DWG.# 6315
CA503
SHEET 12 OF 13

ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2 3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE ALL AROUND CLEAN, CRUSHED, ANGULAR STONE IN A & B LAYERS
PAVEMENT LAYER (DESIGNED BY SITE DESIGN ENGINEER)
PERIMETER STONE (SEE NOTE 6)
EXCAVATION WALL (CAN BE SLOPED OR VERTICAL)
D
C
B
A
*TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 24" (600 mm).
18" (450 mm) MIN*
12' (3.7 m) MAX
6" (150 mm) MIN
30" (760 mm)
DEPTH OF STONE TO BE DETERMINED BY SITE DESIGN ENGINEER 9" (230 mm) MIN
12" (300 mm) MIN
SC-740/DC-780 END CAP
SUBGRADE SOILS (SEE NOTE 4)
6" (150 mm) MIN
51" (1295 mm)
12" (300 mm) TYP

NOTES:

1. DC-780 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. DC-780 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

DC-780
STANDARD CROSS SECTION

DATE: 11/18/14	DRAWN: JLM
PROJECT #:	CHECKED: JLM

REV	DRW	CHK	DESCRIPTION
01/19/16	JLM	JLM	UPDATE

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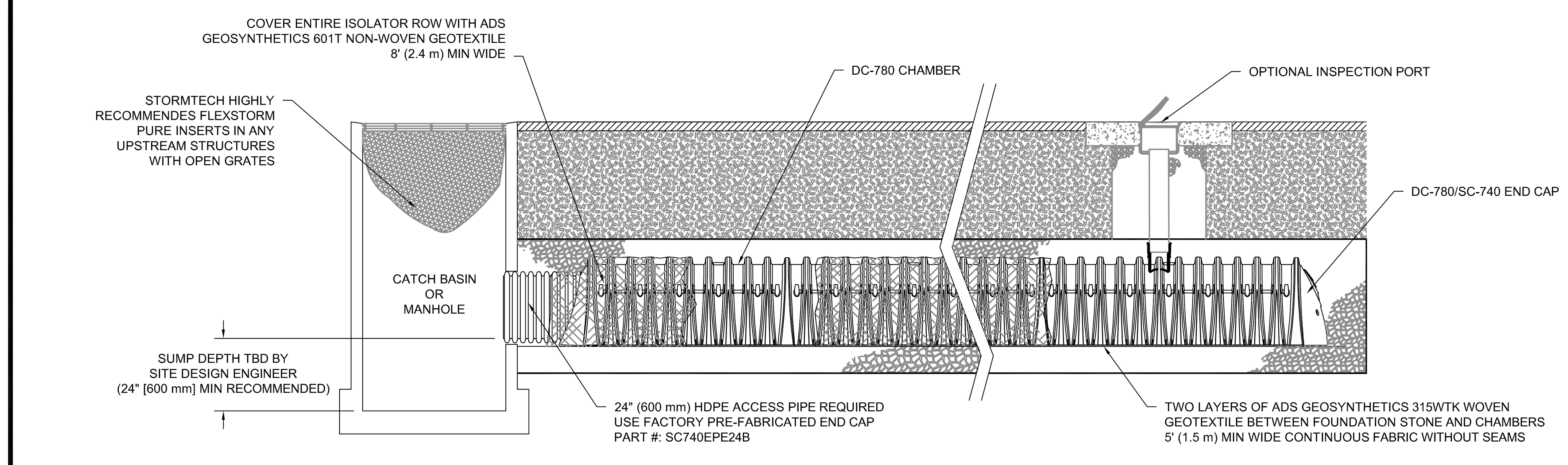
1-800-733-7473

SHEET
1 OF 1



COVER ENTIRE ISOLATOR ROW WITH ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE 8' (2.4 m) MIN WIDE
STORMTECH HIGHLY RECOMMENDES FLEXSTORM PURE INSERTS IN ANY UPSTREAM STRUCTURES WITH OPEN GRATES
DC-780 CHAMBER
OPTIONAL INSPECTION PORT
DC-780/SC-740 END CAP
CATCH BASIN OR MANHOLE
SUMP DEPTH TBD BY SITE DESIGN ENGINEER (24" [600 mm] MIN RECOMMENDED)
24" (600 mm) HDPE ACCESS PIPE REQUIRED USE FACTORY PRE-FABRICATED END CAP PART #: SC740EPE24B
TWO LAYERS OF ADS GEOSYNTHETICS 315WTK WOVEN GEOTEXTILE BETWEEN FOUNDATION STONE AND CHAMBERS 5' (1.5 m) MIN WIDE CONTINUOUS FABRIC WITHOUT SEAMS

DC-780 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

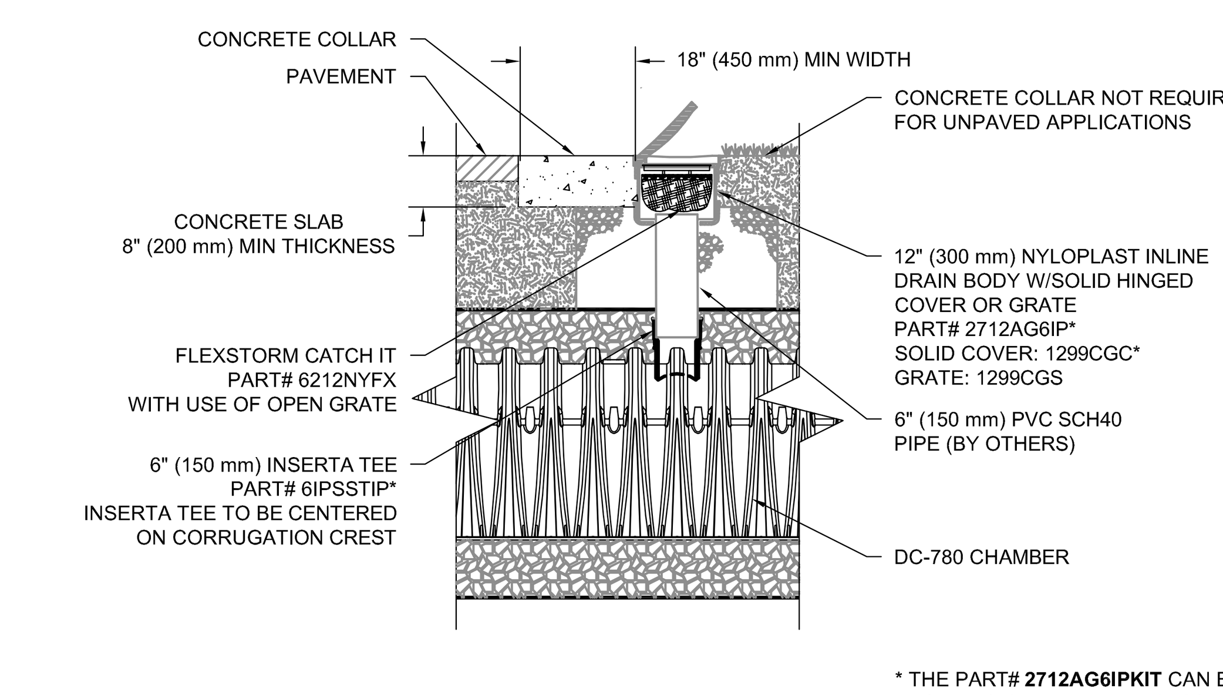
STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



CONCRETE COLLAR
PAVEMENT
18" (450 mm) MIN WIDTH
CONCRETE COLLAR NOT REQUIRED FOR UNPAVED APPLICATIONS
CONCRETE SLAB 8" (200 mm) MIN THICKNESS
12" (300 mm) NYLOPLAST INLINE DRAIN BODY W/SOLID HINGED COVER OR GRATE PART# 2712AG6IP* SOLID COVER: 1299CGC* GRATE: 1299CGS
FLEXSTORM CATCH IT PART# 6212NYFX WITH USE OF OPEN GRATE
6" (150 mm) PVC SCH40 PIPE (BY OTHERS)
6" (150 mm) INSERTA TEE PART# 6IPSSTIP* INSERTA TEE TO BE CENTERED ON CORRUGATION CREST
DC-780 CHAMBER

* THE PART# **2712AG6IPKIT** CAN BE USED TO ORDER ALL NECESSARY COMPONENTS FOR A SOLID LID INSPECTION PORT INSTALLATION

DC-780 6" INSPECTION PORT DETAIL
NTS

ISOLATOR ROW DETAILS
DC-780

DATE: 08/05/16	DRAWN: JLM
PROJECT #:	CHECKED: JLM

REV	DRW	CHK	DESCRIPTION

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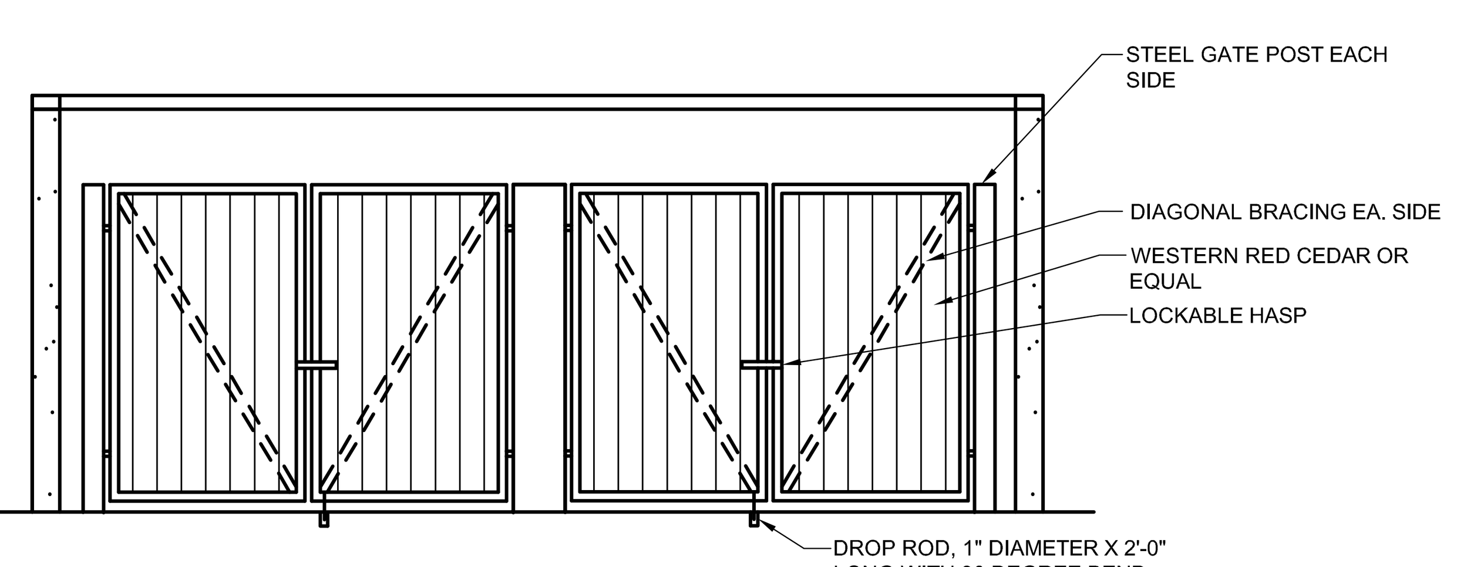
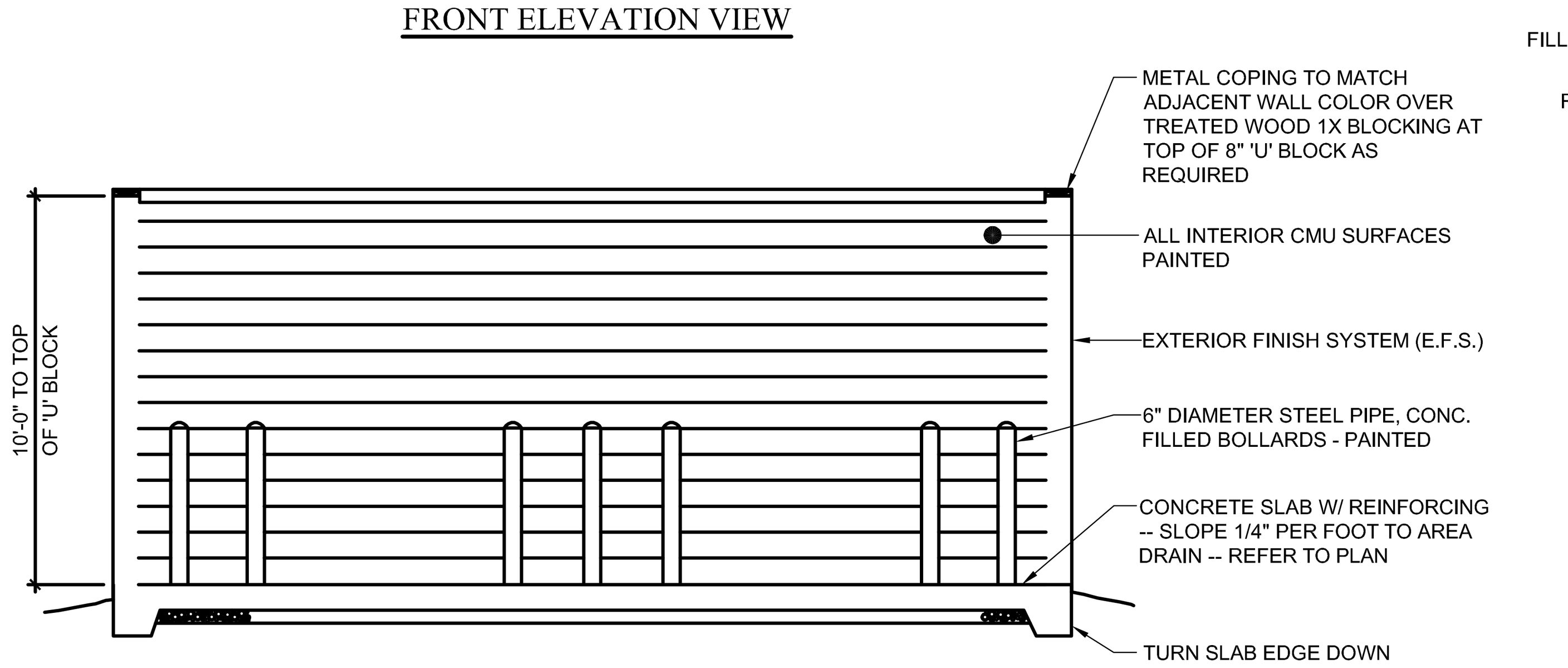
SHEET
1 OF 1



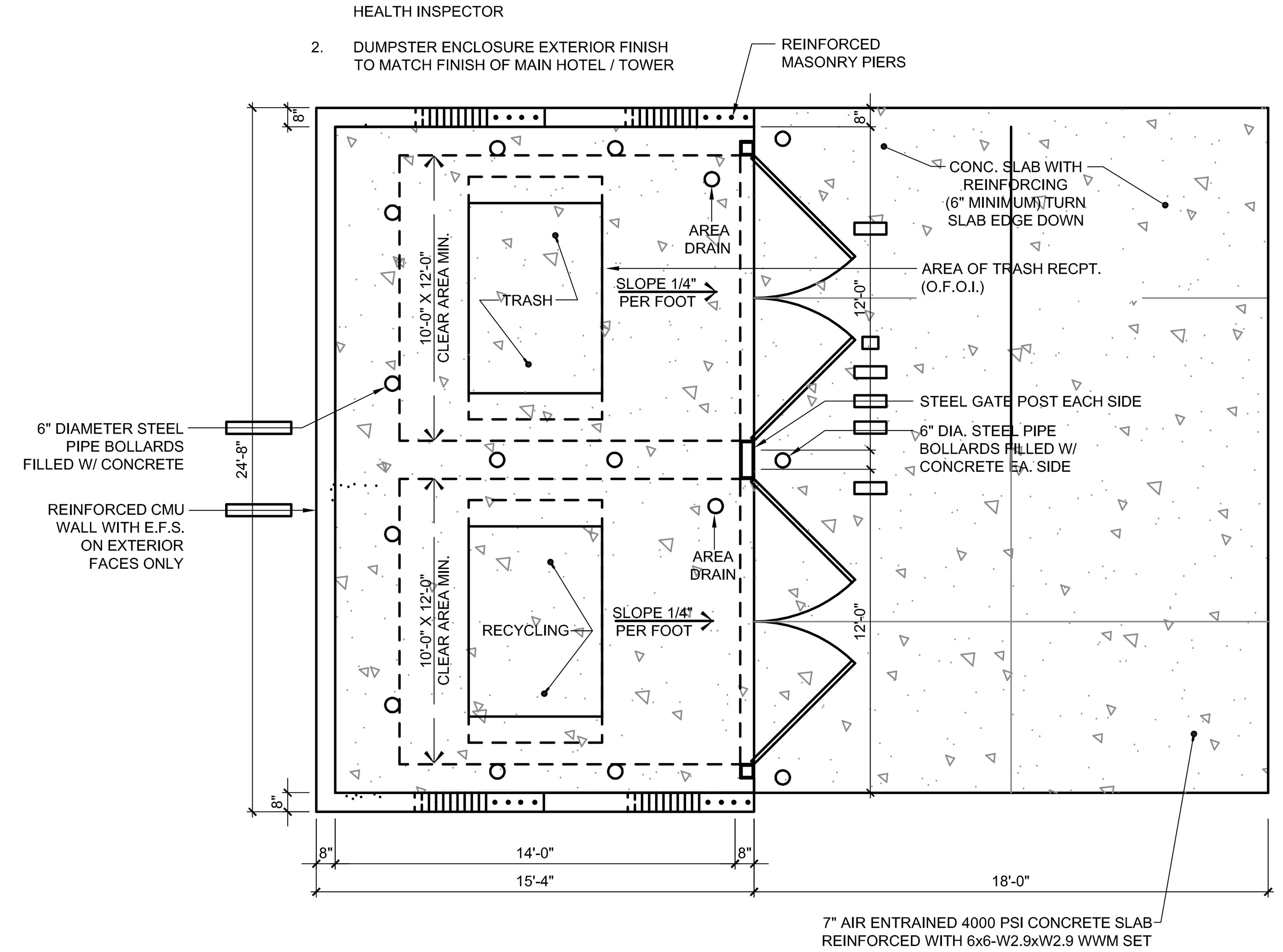
FRONT ELEVATION VIEW



METAL COPING TO MATCH ADJACENT WALL COLOR OVER TREATED WOOD 1X BLOCKING AT TOP OF 8" 'U' BLOCK AS REQUIRED
ALL INTERIOR CMU SURFACES PAINTED
EXTERIOR FINISH SYSTEM (E.F.S.)
6" DIAMETER STEEL PIPE, CONC. FILLED BOLLARDS - PAINTED
CONCRETE SLAB W/ REINFORCING -- SLOPE 1/4" PER FOOT TO AREA DRAIN -- REFER TO PLAN
TURN SLAB EDGE DOWN
10'-0" TO TOP OF 'U' BLOCK

REAR ELEVATION VIEW

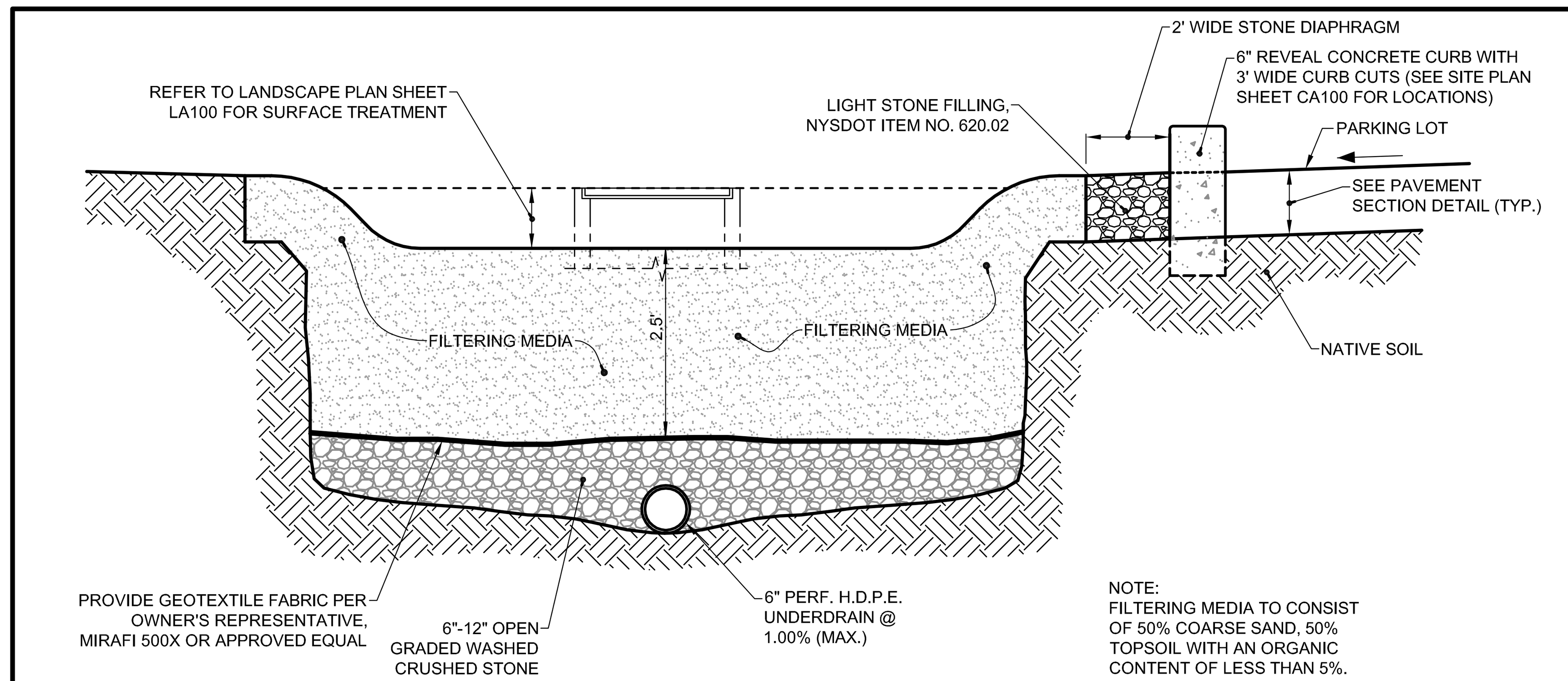
NOTES:
1. VERIFY DRAINAGE REQUIREMENTS WITH HEALTH INSPECTOR
2. DUMPSTER ENCLOSURE EXTERIOR FINISH TO MATCH FINISH OF MAIN HOTEL / TOWER



REINFORCED MASONRY PIERS
CONC. SLAB WITH REINFORCING (6" MINIMUM) TURN SLAB EDGE DOWN
AREA DRAIN
TRASH
SLOPE 1/4" PER FOOT
10'-0" X 12'-0" CLEAR AREA MIN.
AREA OF TRASH RECPT. (O.F.O.I.)
STEEL GATE POST EACH SIDE
6" DIA. STEEL PIPE BOLLARDS FILLED W/ CONCRETE EA. SIDE
6" DIAMETER STEEL PIPE BOLLARDS FILLED W/ CONCRETE
REINFORCED CMU WALL WITH E.F.S. ON EXTERIOR FACES ONLY
RECYCLING
24'-8"
12'-0"
8"
14'-0"
15'-4"
18'-0"
7" AIR ENTRAINED 4000 PSI CONCRETE SLAB REINFORCED WITH 6x6-W2.9xW2.9 WWM SET 2" BELOW TOP & BOTTOM OF SLAB

PLAN VIEW

DUMPSTER & RECYCLE ENCLOSURE DETAIL
NOT TO SCALE

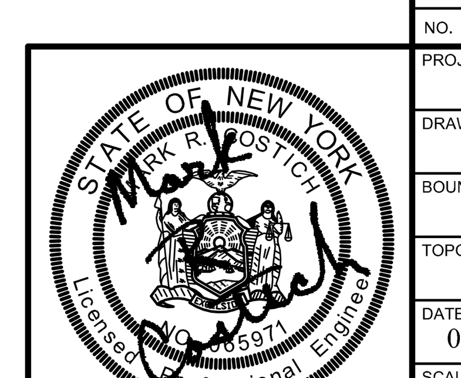


2' WIDE STONE DIAPHRAGM
6" REVEAL CONCRETE CURB WITH 3' WIDE CURB CUTS (SEE SITE PLAN SHEET CA100 FOR LOCATIONS)
REFER TO LANDSCAPE PLAN SHEET LA100 FOR SURFACE TREATMENT
LIGHT STONE FILLING, NYSDOT ITEM NO. 620.02
PARKING LOT
SEE PAVEMENT SECTION DETAIL (TYP.)
FILTERING MEDIA
FILTERING MEDIA
2.5'
NATIVE SOIL
PROVIDE GEOTEXTILE FABRIC PER OWNER'S REPRESENTATIVE, MIRAFI 500X OR APPROVED EQUAL
6"-12" OPEN GRADED WASHED CRUSHED STONE
6" PERF. H.D.P.E. UNDERDRAIN @ 1.00% (MAX.)

NOTE:
FILTERING MEDIA TO CONSIST OF 50% COARSE SAND, 50% TOPSOIL WITH AN ORGANIC CONTENT OF LESS THAN 5%.

BIORETENTION WITH STONE DIAPHRAGM DETAIL
NOT TO SCALE

NO.	DATE	REVISION	BY	CHKD.	APVLS.



PROJECT ENGINEER: A.H.A.
DRAWN BY: D.J.L.
BOUNDARY: - -
TOPO/BASE: - -
DATE: 01/26/2017
SCALE: N.T.S.

COSTICH ENGINEERING
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- LANDSCAPE ARCHITECTURE

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355 KENNETH DRIVE

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