TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS

PROJECT NAME:	**KINGDOM HALL**
PROJECT NO.:	**22-31**
PROJECT LOCATION:	**33 LITTLE BRIATIN RD** **SECTION 97, BLOCK 3, LOT 13**
REVIEW DATE:	**30 DECEMBER 2022**
MEETING DATE:	**5 JANUARY 2023**
PROJECT REPRESENTATIVE:	**GREENMAN PATTERSON**

1. The proposed use is permitted in the zone with site plan approval by the Planning Board.

2. The EAF submitted identifies the site within close proximity to several NYSDEC spill or remediation sites. Additional information should be solicited from the NYSDEC regarding the sites.

3. A Bulk Table identifying required and proposed bulk compliance should be provided.

4. Standard notes with connection to the Town of Newburgh Water System must be added to the plans. Copy attached.

5. The applicants are requested to address drainage at the access drive intersection to the Town roadway. A negative flow from the Town roadway should be provided. Existing drainage structures should be addressed at this access drive.

6. The applicant's representative are requested to confirm the size of the water service lateral servicing the site. The narrative identifies a small diameter lateral while the plans identify a larger lateral. The building will be required to be sprinklered. Building sprinkler line should be designed in accordance with the attached detail.

7. Design of the subsurface sanitary sewer disposal system must be submitted.

8. A Stormwater Pollution Prevention Plan/Stormmater Management Report should be provided. Conflicting information identifies the stormwater pond tie into existing drainage while plans identify surface discharge. Information pertaining to existing stormwater pipes within Old Little Britain Road should be provided including rims, pipe sizes, inverts, discharge locations, etc. This mapping should be provided to a natural water course discharge point.

9. The Town of Newburgh requires double striping of the parking spots. (Detail Attached)

10. Numerous curb details are included; the actual curb details to be utilized should be placed on the plans.

11. Sanitary sewer flows in excess of 1,000 gallons require a NYSDEC SPDES Permit & Health Department review.

12. List of contacts for utility companies identifies incorrect address for Town of Newburgh Water & Sewer. Notes should Identify 308 Gardnertown Road as the Town Water and Sewer Dept. address

13. The compliance with the Town of Newburgh recently adapted Tree Conservation Ordinance must be documented.

14. The existing structure on the site proposed to be removed requires a Demolition Permit from the Town of Newburgh Building Department. Appropriate notes should be placed on the plans.

15. The boundary and topographic Survey identifies property lines to the centerline of the roadway. Offers of dedication and cession should be taken for a strip of land 25ft off the centerline.

16. Adjoiner's Notices must be sent out prior to next appearance.

17. Planning Referral will be required as project is in proximity to lands owned by the City of Newburgh.

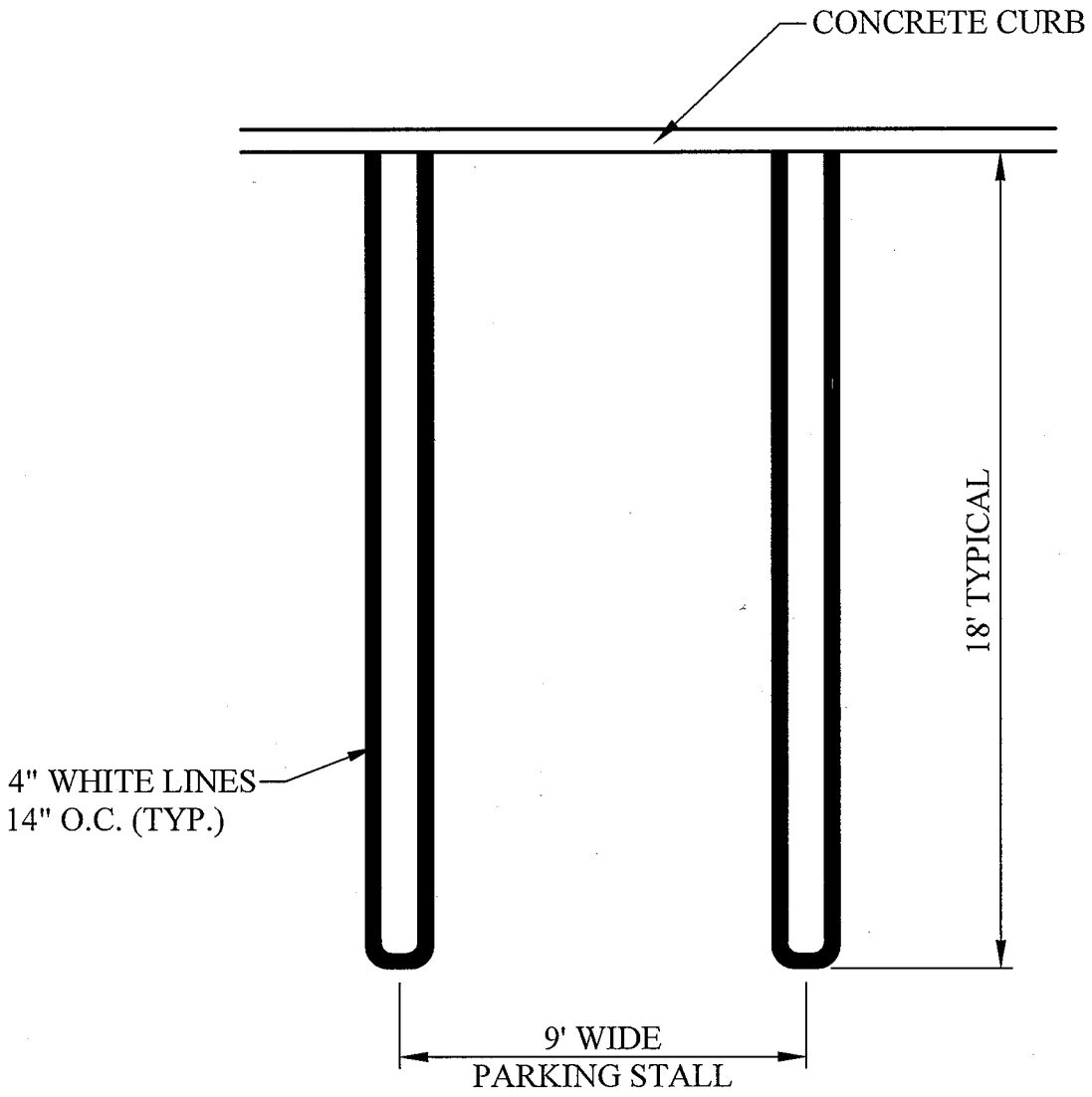
18. A Site Lighting & Landscaping Plan must be provided in future submissions.

19. Pedestrian connection to neighboring facility should be provided.

Respectfully submitted,

MHE Engineering, D.P.C.

Patrick J. Hines
Principal
PJH/ltm



TYPICAL PARKING SPACE DETAIL

SCALE: N.T.S.

TOWN OF NEWBURGH
APPLICATION FOR
SUBDIVISION/SITE PLAN REVIEW

RETURN TO: Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, New York 12550

DATE RECEIVED: _____ **TOWN FILE NO:**_____
(Application fee returnable with this application)

1. **Title of Subdivision/Site Plan (Project name):**
Kingdom Hall 33 Old Little Britain Road

2. **Owner of Lands to be reviewed:**
Name Woodland Views Corp.
Address One Corwin Ct Ste 200
Newburgh, NY 12550
Phone _____

3. **Applicant Information (If different than owner):**
Name Josh Modglin
Address 1005 Red Mills Road
Wallkill, NY 12589
_____
Representative _____
Phone (518) 898-9532
Fax _____
Email jmodglin@jw.org

4. **Subdivision/Site Plan prepared by:**
Name Greenman-Pedersen Inc.
Address 80 Wolf Road
Albany, NY 12205
_____
Phone/Fax (518) 898-9532

5. **Location of lands to be reviewed:**
33 Old Little Britain Road

6. **Zone** R3-Residential **Fire District** Goodwill Fire District
Acreage +/- 6.8 **School District** Newburgh CSD

7. **Tax Map: Section** 97 **Block** 3 **Lot** 13

8. Project Description and Purpose of Review:

Number of existing lots _____ **Number of proposed lots** _____

Lot line change _____

Site plan review 4,992 SF Building with associated parking and access

Clearing and grading _____

Other _____

PROVIDE A WRITTEN SINGLE PAGE DESCRIPTION OR NARRATIVE OF THE PROJECT

9. Easements or other restrictions on property:

(Describe generally) _____

10. The undersigned hereby requests approval by the Planning Board of the above identified application and scheduling for an appearance on an agenda:

Signature _____ **Title** _____

Date: 11/22/22

NOTE: **If property abuts and has its access to a County or State Highway or road, the following information must be placed on the subdivision map or site plan: entrance location, entrance profile, sizing of pipe (minimum length of pipe to be 24 feet).**

The applicant will also be required to submit an additional set of plans, narrative letter and EAF if referral to the Orange County Planning Department is required under General Municipal Law Section 239.

November 22, 2022

Mr. John P. Ewasutyn, Chairman
Town of Newburgh Planning Board
21 Hudson Valley Plaza
Newburgh, NY 12550

Re: **Jehovah's Witnesses 170 Seat New Kingdom Hall**
33 Old Little Britain Road, Newburgh, NY
Narrative for Site Plan Application

Dear Chairman Ewasutyn and Planning Board Members,

Greenman-Pedersen, Inc. (GPI) has prepared the following Project Narrative in support of the referenced project's application for Town of Newburgh, Site Plan Approval.

1. General Site Development Characteristic – The project is located at 33 Old Little Britain Road in the Town of Newburgh, NY. The purpose of the project is to build a new single story, 4,992 sf Kingdom Hall building and the associated infrastructure and parking on parcel 97-3-13 (property). The property is approximately 6.8 acres in size. The existing residential structure is in an unsafe condition and will be removed along with all other existing structures and pavements on the site.

   The property is mainly an undeveloped, wooded lot. The property is somewhat rectangular with the larger edges along the frontage and rear. It is bounded on the west by a small single-story Knights of Columbus structure. To the north the property is bound by Old Little Britain Road with homes and a church on the other side of the road. To the east, there is an existing double Kingdom Hall. To the south, it is bound by the Central Hudson Gas and Electric Central Headquarters office.

2. Action Before the Town - The project sponsor is seeking Site Plan Review and Approval by the Town of Newburgh Planning Board for this development proposal.
3. Property Zoning - The property is currently zoned R-3 with an Office overlay. The zoning classification allows for a place of worship, subject to Site Plan Review by the Planning Board. The overlay only encourages uses outside of standard residential development.
4. Water and Sewer Information - There is a public water line on the northern side of Old Little Britain Road that the project proposes to tie into with a standard 1 ½" water line service tap. There is no public sanitary sewer available at this location. Space for approximately 630 linear feet of septic leaching fields are shown on the site plan west of the auditorium building. This system is sized based on anticipated flows and soil testing completed in the area of the leach fields.

5. Natural gas and Electric and Communication Service Information - Natural gas is available on the property's side of the street. Overhead power and communications lines exist on utility poles across Old Little Britain Road with an older existing abandoned service that extends onto the subject property side near the eastern corner of the property.
6. Site Lighting - All sources of illumination on nonpublic property, including the lighting of signs, will be shielded or directed in such a manner that the direct rays therefrom are not cast upon any property used for residential purposes, other than the lot on which such illumination is situated. The duration, period or time of illumination will be kept to the minimum necessary to provide for the security of the property and the safety and welfare of the public. Illumination will be extinguished, except for lighting necessary for the security of the property and safety of persons thereon, one hour after the premises are closed to the public.
7. Stormwater management was designed using the requirements of the New York State Department of Environmental Conservation Stormwater Management Design manual and Town of Newburgh requirements as found in Chapter 157 of the Town Ordinance. An above ground stormwater management system is anticipated along the northeastern portion of the property. There is space and a means to build an economical system on this property. The outlet of the system will connect to the public storm water system located along Old Little Britain Road. This public storm water system is the current design discharge point for the development portion of the property.
8. Zoning Board of Appeals Relief – There is no Zoning Board of Appeals relief needed for this project.
9. Traffic Generation Data - The applicant maintains trip generation data for its existing identical Kingdom Halls. This data is reflected below:

   Vehicle Trips Generated – The estimated average daily traffic generated by the site is:

   <300 (150 in – 150 out) – single KH

   User Peak Hour Traffic

   Weekday peak: 6:00 p.m. – 7:00 p.m.
   Weekend peak: 9:00 a.m. – 10:00 a.m.

Sincerely,

John Montagne, RLA, AICP, LEED®AP
VP|Director Land Development
80 Wolf Road, Albany, NY
518-898-9532

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. 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; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Jehovah's Witnesses New Kingdom Hall		
Project Location (describe, and attach a general location map): 33 Old Little Britain Road, Newburgh, NY 12550		
Brief Description of Proposed Action (include purpose or need): The purpose of this project is to build a new single story, 4,992 sf Kingdom Hall building and the associated infrastructure and parking on parcel 97-3-13 (property). The property is approximately 6.8 acres in size and is located immediately west of the existing Kingdom Hall property at 23 Old Little Britain Road. The lot is wooded and has the remains of a residence on the lot.		
Name of Applicant/Sponsor: JW Congregation Support - Josh Modglin	Telephone: E-Mail: jmodglin@jw.org	
Address: 1005 Red Mills Road		
City/PO: Wallkill	State: NY	Zip Code: 12589
Project Contact (if not same as sponsor; give name and title/role): GPI - John Montagne, VP/Director of Land Development	Telephone: (518) 898-9532 E-Mail: jmontagne@gpinet.com	
Address: 80 Wolf Road, Suite 300		
City/PO: Albany	State: NY	Zip Code: 12205
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☐No		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Site Plan Approval	11/22/2022
c. City, Town or Village Zoning Board of Appeals ☐Yes ☐No		
d. Other local agencies ☑Yes ☐No	Building Department - Septic Design Review	3/1/2023
e. County agencies ☑Yes ☐No	OCDOH - Septic Review	2/1/2023
f. Regional agencies ☐Yes ☐No		
g. State agencies ☑Yes ☐No	Storm Water SPDES Permit - NYSDEC	At start of construction
h. Federal agencies ☐Yes ☐No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☐No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☐No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

Remediaton Sites:336031, Remediaton Sites:V00312, Remediaton Sites:C336031

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☐No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Zoning District: R3 - Residential
Overlay District: R/O Professional Office Overlay District

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☐ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Newburgh CSD

b. What police or other public protection forces serve the project site?
Newburgh Police Department

c. Which fire protection and emergency medical services serve the project site?
Goodwill Fire District

d. What parks serve the project site?
n/a

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Religious/Place of Worship

b. a. Total acreage of the site of the proposed action? ± 6.8 acres
b. Total acreage to be physically disturbed? ± 2.50 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? ± 12.4 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☑ Yes ☐ No

If Yes,

i. Total number of structures 1

ii. Dimensions (in feet) of largest proposed structure: _____ height; 105' width; and 50' length

iii. Approximate extent of building space to be heated or cooled: ± 4,992 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☐ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☐ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No
If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☐ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No

If Yes:

i. Total anticipated water usage/demand per day: between 500 to 700 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☐ No

If Yes:

- Name of district or service area: WD001 and WD002
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☑ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No

If Yes:

i. Total anticipated liquid waste generation per day: Septic sized for 700 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

Sanitary wastewater to be treated by onsite septic system.

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☐ No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

- Do existing sewer lines serve the project site? ☐Yes ☐No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes ☐No

  If Yes:
  - Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☐No

If Yes:
- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

On-site septic field to be installed to handle liquid wastes produced by the proposed project.

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or ±0.8 acres (impervious surface)

_____ Square feet or ±6.8 acres (parcel size)

ii. Describe types of new point sources. Asphalt parking lot, concrete sidewalks, and rooftops.

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

On-site stormwater management practice designed to meet NYSDEC stormwater standards.

- If to surface waters, identify receiving water bodies or wetlands: Towards Town ROW drainage system
- Will stormwater runoff flow to adjacent properties? ☐Yes ☐No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑Yes ☐No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

n/a

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

Typical construction equipment/generators.

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

Emergency backup generator may be needed for septic field.

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☐No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☐No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☐No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☐No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☑ Evening ☑Weekend

☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

0

iii. Parking spaces: Existing 0 Proposed 74 Net increase/decrease 74

iv. Does the proposed action include any shared use parking? ☐Yes ☑No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

N/A

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☑Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☑No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☑No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

13,000 kWh

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

Grid/Local Utility

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 6am - 6pm
- Saturday: 7am - 6pm
- Sunday: n/a
- Holidays: n/a

ii. During Operations:

- Monday - Friday: 6am - 9pm
- Saturday: 6am - 9pm
- Sunday: 6am - 9pm
- Holidays: 6am - 9pm

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Typical construction equipment during construction.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☐ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Typical parking lot and pedestrian lighting for internal site circulation.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☐ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☐ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☐ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☐ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☐ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☐ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)
☑ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

Current JW Kingdom Hall building located directly east of the project location. Utility company lies to the south. Suburban uses lie to the west.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	±0.8	+0.8
• Forested	±6.8	±4.3	-2.50
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	±1.7	+1.70
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☐ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☐ No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐ Yes ☐ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☐ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☐ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☑ Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☑ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☑ Yes – Environmental Site Remediation database — Provide DEC ID number(s): 336031, V00312, C336031

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: All noted activities are off site - NYSEG, Little Britain Road Service Center 610 Little Britain Road; Macbeth Kollmorgen 405-415 Little Britain Road

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): 336031, 336037, V00312, C336031 (See location information above)

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

V00312: Class N, onsite groundwater contains VOC's above groundwater standards with no impact to adjacent wells.

336037: State Superfund Program, Class 04, deed restriction with multiple control elements. Remediation is complete

336031: State Superfund Program, Class A. This incident number transferred to V00312.

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☐ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? ± 2.5' - ± 6.5' feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☐ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? 0 %

c. Predominant soil type(s) present on project site:

Pt - Pittsfield Gravelly Loam	85 %
ErB - Erie Silt Loam	12 %
SXC - Swatrswood and Mandarin	3 %

d. What is the average depth to the water table on the project site? Average: ± 2.5' - ± 6 feet

e. Drainage status of project site soils:
☑ Well Drained: 85 % of site
☐ Moderately Well Drained: _____ % of site
☑ Poorly Drained 15 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 50 % of site
☑ 10-15%: 30 % of site
☑ 15% or greater: 20 % of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☑ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
Birds | Squirrels | Insects/Arachnids
Typical suburban wildlife

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): _____
ii. Source(s) of description or evaluation: _____
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

If Yes:
i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☐ No
If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☐ No
i. If Yes: acreage(s) on project site? _____
ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name: _____
ii. Basis for designation: _____
iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐ Yes ☑ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☐ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☐ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

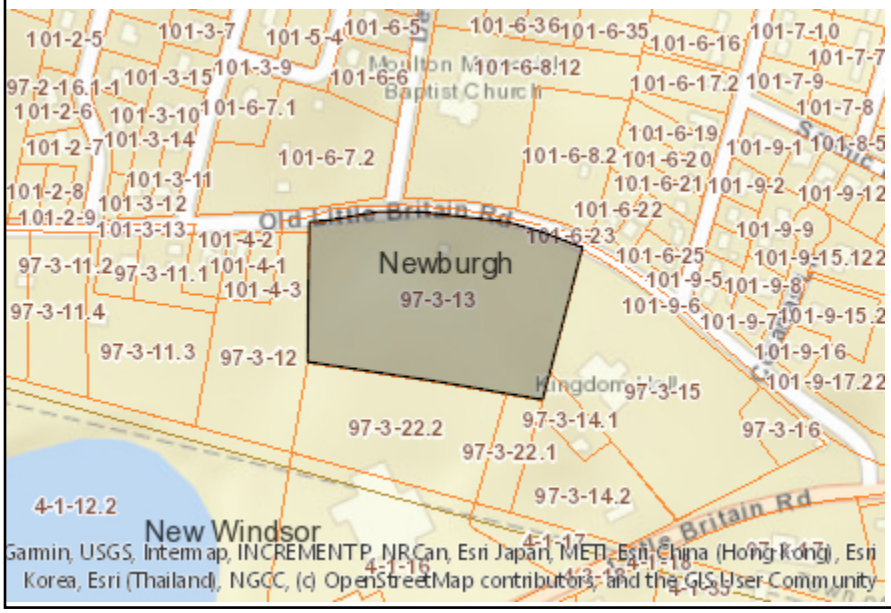
Applicant/Sponsor Name JW Congregation Support, Inc. Josh Modglin Date 11/22/2022

Signature _____ Title Design Lead

PRINT FORM

EAF Mapper Summary Report

Monday, October 24, 2022 2:07 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.

B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	Remediaton Sites:336031, Remediaton Sites:V00312, Remediaton Sites:C336031
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	336031, V00312, C336031
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	336031, 336037, V00312, C336031
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No

E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

KINGDOM HALL

33 OLD LITTLE BRITAIN ROAD

NEWBURGH, NY 12550

GENERAL NOTES

1. BOUNDARY, TOPOGRAPHIC, AND UTILITY INFORMATION SHOWN ON PLANS WAS TAKEN FROM A SURVEY ENTITLED "ALTA/NSPS TITLE SURVEY OF LANDS OF: WOODLAND VIEWS CORP.", PREPARED BY GPI–MARK J. ANDREWS LICENSE No. 050455, DATED MARCH 12, 2020.
2. THE MERIDIAN OF THE SURVEY IS REFERENCED TO NEW YORK EAST ZONE, NAD 83. ELEVATIONS SHOWN ON THE PLANS REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
3. THE SURVEY BENCHMARK OR CONTROL POINT USED IS AN "X" CUT ON THE SOUTH BONNET BOLT OF THE FIRE HYDRANT NORTH OF THE NORTHEAST CORNER OF THE SITE WITH AN ELEVATION OF 295.42 ABOVE AVERAGE SEA LEVEL.
4. ACCORDING TO FLOOD INSURANCE RATE MAP NO. 36071C0331E, PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), DATED AUGUST 3, 2009, THE SURVEYED PROPERTY SHOWN HEREON DOES NOT LIE WITHIN ANY SPECIAL FLOOD HAZARD AREA.

GENERAL CONSTRUCTION NOTES

1. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS TO COORDINATE ALL WORK WITHIN 5 FEET OF THE BUILDING.
2. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE TOWN OF NEWBURGH AND ALL OTHER GOVERNING AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS RELATED TO PROJECT.
3. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL UNSATISFACTORY AND/OR WASTE MATERIALS INCLUDING VEGETATION, ROOTS, CONCRETE, AND DEBRIS RELATED TO THE PROJECT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER PRIOR TO DISPOSING OF ANY SOIL FROM THE SITE TO CONFIRM QUANTITY AND REASON FOR NEEDING TO EXPORT EXCESS SOIL.
4. CONTRACTOR SHALL CONFINE ALL WORK TO THE PROJECT BOUNDARY AND AREAS DIRECTLY ADJOINING THE WORK IN THE PUBLIC RIGHT–OF–WAY. EXISTING PAVEMENTS, CURBS, SIDEWALKS, DRIVEWAYS, LANDSCAPING, FENCES AND OTHER EXISTING IMPROVEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE CITY OR GOVERNING AUTHORITIES REQUIREMENTS. CONDITION OF THE ROAD AND/OR RIGHT–OF–WAY, DURING AND UPON COMPLETION OF THE JOB, SHALL BE AS GOOD AS THE CONDITION PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROMPTLY CLEAN MUD, DIRT OR DEBRIS TRACKED ONTO EXISTING STREETS FROM THE PROJECT SITE.
5. CONTRACTOR SHALL VERIFY ALL ELEVATIONS, DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING ANY WORK. CONTRACTOR SHALL REPORT ANY CONFLICTS OR VARIATIONS AND RESOLVE ALL CHANGES WITH THE OWNER PRIOR TO COMMENCING THE WORK.
6. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO IN THESE PLANS SHALL BE OF THE LATEST REVISION.

CONSTRUCTION NOTICE NOTES

1. CONTRACTOR SHALL NOTIFY THE TOWN, CITY, OR COUNTY AT LEAST 48 HOURS PRIOR TO WORKING IN ANY PUBLIC RIGHT–OF–WAY OR EASEMENTS OR CONNECTING TO STREET, DRAINAGE, WATER OR WASTEWATER FACILITIES.
2. CONTRACTOR SHALL NOTIFY THE TOWN OF NEWBURGH'S TOWN ENGINEER AT LEAST 72 HOURS PRIOR TO CONSTRUCTING THE DRIVEWAY WITHIN THE RIGHT–OF–WAY TO ANY STREET.
3. CONTRACTOR SHALL NOTIFY THE TOWN OF NEWBURGH CONSOLIDATED WATER DISTRICT'S SUPERINTENDENT AT LEAST 72 HOURS PRIOR TO CONNECTING TO ANY PUBLIC WATER FACILITY.
4. CONTRACTOR SHALL NOTIFY CENTRAL HUDSON ELECTRIC AND GAS AT LEAST 48 HOURS PRIOR TO WORKING IN ANY PUBLIC ELECTRIC FACILITIES. (IF NEEDED)
5. CONTRACTOR SHALL NOTIFY CENTRAL HUDSON ELECTRIC AND GAS AT LEAST 48 HOURS PRIOR TO WORKING IN ANY PUBLIC GAS FACILITIES. (IF NEEDED)
6. CONTRACTOR SHALL NOTIFY NYSDEC AT LEAST 120 HOURS PRIOR TO DISTURBING ANY SOIL ON THE SITE.
7. CONTRACTOR SHALL NOTIFY DIGSAFENY AT LEAST 72 HOURS PRIOR TO DISTURBING ANY SOIL ON THE SITE.

LIST OF APPROVALS

ZONING STATISTICS AND PARKING SUMMARY

TOTAL PARCEL AREA:	±296,208;SF (±6.80 AC)
ADDRESS:	33 OLD LITTLE BRITAIN ROAD NEWBURGH, NY 12550
PARCEL ID #:	97–3–13
ZONING:	R–3, RESIDENTIAL R/O, PROFESSIONAL OVERLAY
CURRENT USE:	VACANT
PROPOSED USE:	PLACE OF WORSHIP
PROPOSED IMPERVIOUS COVER:	49%
SETBACKS:	FRONT: 50' SIDE: 50'
REAR: 50'	
REQUIRED PARKING (AHJ):	1 SPACE PER EVERY 3 SEATS 170 SEATS / 3 = 57 SPACES
DESIRED PARKING (DEVELOPER):	1 SPACE FOR EVERY 2.3 SEATS 170 SEATS / 2.3 = 74 SPACES
PROPOSED PARKING:	71 REGULAR SPACES 3 H/C SPACES TOTAL = 74 SPACES

CONTACT INFORMATION

APPLICANT: JW CONGREGATION SUPPORT, INC.
NAME: CHARLES CINKOWSKI
PHONE:
ADDRESS: 1005 RED MILLS ROAD, WALLKILL, NY 12589

CIVIL ENGINEER: GPI
NAME: RYAN TRUNKON, PE.
PHONE: 518–898–9551
ADDRESS: 80 WOLF ROAD, SUITE 300, ALBANY, NY 12205

SURVEYOR: GPI
NAME: MARK ANDREWS
PHONE: 716–488–2803
ADDRESS: 200 HARRISON STREET, SUITE H2, JAMESTOWN, NY 14701

LANDSCAPE ARCHITECT:
NAME: CRAIG TRIPP, PLA, LEED AP
PHONE: 518–898–9546
ADDRESS: 80 WOLF ROAD, SUITE 300, ALBANY, NY 12205

GEOTECHNICAL ENGINEER: GIFFORD ENGINEERING
NAME: GREGORY GIFFORD
PHONE: 518–382–2545
ADDRESS: 865 PEARSE ROAD, NISKAYUNA, NY 12309

QUANTITY SUMMARY TABLE

DESCRIPTION	
CAR PAVEMENT AREA	26,147 SQ.FT.
CONCRETE PAVEMENT AREA	2,082 SQ.FT.
CURB/CURB & GUTTER LENGTH	1,075 FT.
LANDSCAPE QUANTITIES	SEE LANDSCAPE PLAN
UTILITY QUANTITIES	SEE UTILITY PLAN
EARTHWORK VOLUMES (IN PLACE VOLUMES)	CUT: TBD CY, FILL: TBD CY, NET: TBD CY CUT
LIGHTING & WIRING QUANTITIES	SEE ELECTRICAL PLAN
DRAINAGE STRUCTURES	SEE DRAINAGE PLAN
TOPSOIL	523 CY
UNSUITABLE MATERIAL TO EXPORT	TBD CY

① VICINITY MAP

DRAWING INDEX

C–001	COVER SHEET
V–101	BOUNDARY AND TOPOGRAPHIC SURVEY
CS101	SITE PLAN
CG101	GRADING AND DRAINAGE PLAN
CU101	UTILITY PLAN
CE101	EROSION CONTROL PLAN
C–501	SITE DETAILS
C–502	SITE DETAILS
C–503	SITE DETAILS
C–504	SITE DETAILS
C–505	SITE DETAILS AND SPECIFICATIONS

ABBREVIATIONS

AC	ACRES
AHJ	AUTHORITY HAVING JURISDICTION
APPROX	APPROXIMATE
BC	BOTTOM OF CURB
BLDG	BUILDING
BOT	BOTTOM
BOW	BOTTOM OF WALL
CB	CATCH BASIN
CI	CAST IRON OR CURB INLET
CIP	CAST–IN–PLACE
C/L	CENTER LINE
CO	CLEAN OUT
COMM	COMMUNICATIONS
CONC	CONCRETE
CTR	CENTER
CU YD OR CY	CUBIC YARD
D	DEPTH
DBL	DOUBLE
DEG	DEGREES
DEMO	DEMOLITION
DI	DUCTILE IRON
DIA	DIAMETER
DR	DRAIN
DWG	DRAWING
E	EAST OR ELECTRIC
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EM	ELECTRIC METER
EOP	EDGE OF PAVEMENT
EXIST OR E	EXISTING
FD	FLOOR DRAIN OR FOOTING DRAIN
FDTN	FOUNDATION
FF	FINISHED FLOOR
FP	FIRE PROTECTION
FT	FEET
FTG	FOOTING
GAL	GALLON
GM	GAS METER
GND	GROUND
GV	GAS VALVE
HDPE	HIGH–DENSITY POLYETHYLENE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INV	INVERT
L	LENGTH
LF	LINEAR FEET
LPG	LIQUID PROPANE GAS
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MW	MUNICIPAL WATER MAIN
N	NORTH
NPW	NON–POTABLE WATER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OVHD	OVERHEAD
PL	PROPERTY LINE
PSI	POUNDS PER SQUARE INCH
PWR	POWER
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED OR REINFORCING
S	SOUTH OR SANITARY
SAN	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SPEC	SPECIFICATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
SWK	SIDEWALK
TC	TOP OF CURB
TD	TRENCH DRAIN
TYP	TYPICAL
UGND	UNDERGROUND
UTIL	UTILITIES
UP	UTILITY POLE
VOL	VOLUME
W	WEST OR POTABLE WATER OR WIDTH

GREENMAN PEDERSEN INC.
No. 131

CONSULTANT:

NOT FOR CONSTRUCTION
THIS DRAWING PROVIDED ONLY FOR
REVIEW AND APPROVAL

MARK:	DATE:	DESCRIPTION:
-	20 OCT 22	GPI CONCEPT FOR REVIEW
-	16 SEP 22	CONCEPT FOR REVIEW

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL
OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
COVER SHEET

PROJECT No. 37035

SHEET No. C–001

PLOT DATE:
DIMSCALE: 1.0000
FILE PATH: \\bethel.jw.org\usa\DEPT\LDC\02 DESIGN\03 WORKFLOWS\PERSONNEL PROJECT FOLDERS\VMELGAR\References\Site Development Guide\Template Sheet Files\C001 Cover Sheet.dwg
PLOTTED BY:
DSGN\DRFT:
XREF: ####
XREF: ####
XREF: ####
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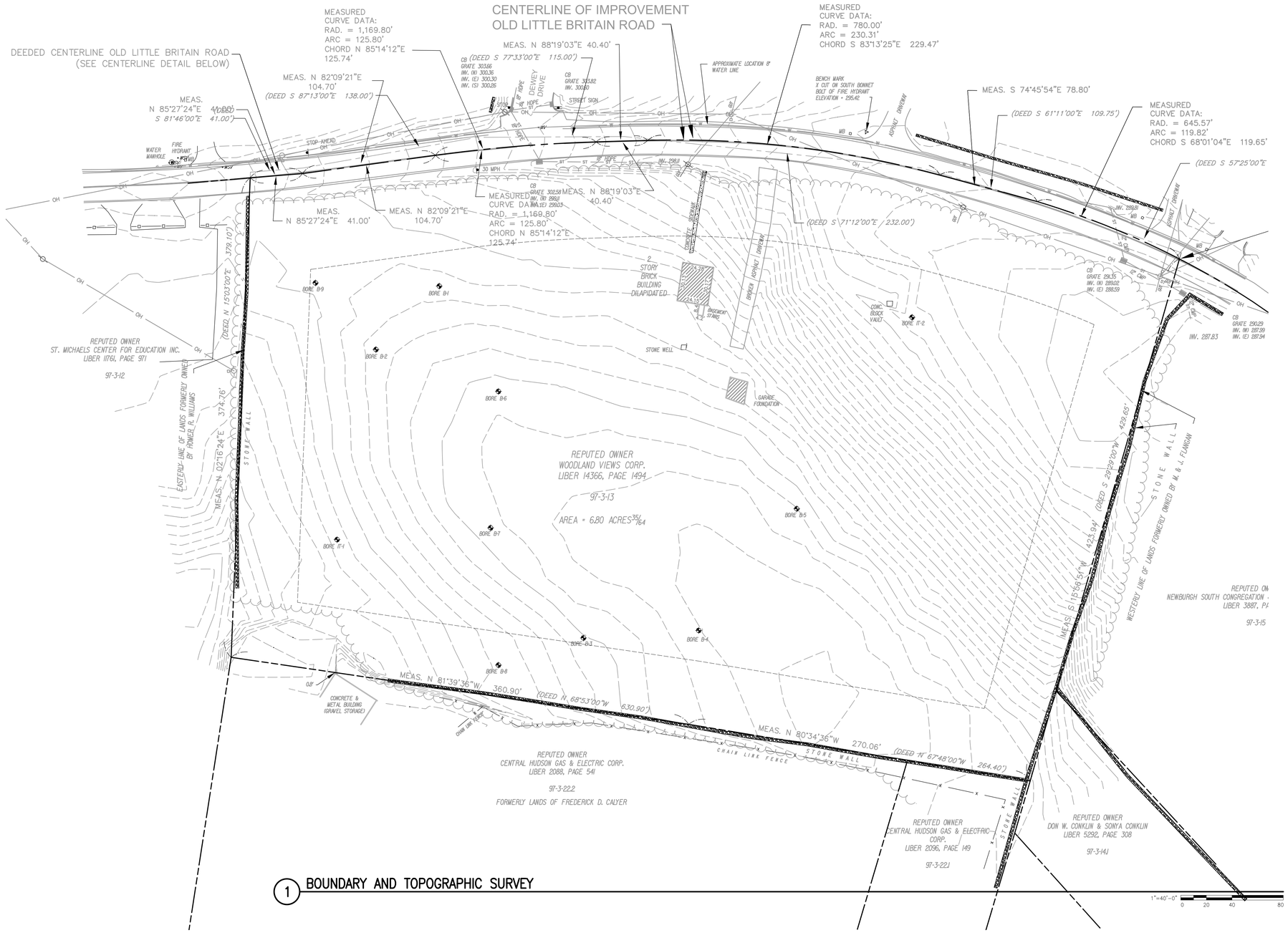

1 BOUNDARY AND TOPOGRAPHIC SURVEY

GENERAL SHEET NOTES

1. REFER TO C-001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION.
2. THE SUBJECT PROPERTY IS LOCATED WITHIN FLOOD ZONE 'X' PER THE FEMA MAP PANEL #36071C0331E, DATED AUGUST 3, 2009.

SYMBOLS LEGEND

PROPERTY BOUNDARY
MINOR CONTOUR 2.50
MAJOR CONTOUR 2.50
ROAD
ROAD CURB
ROAD CENTERLINE
BUILDING SETBACK
SANITARY LINE
UNDERGROUND POWER LINE
OVERHEAD POWER LINE
NATURAL GAS LINE
WATER LINE
WATER METER
HYDRANT
VALVE
STORM SEWER LINE
CATCH BASIN
CURB INLET
MANHOLE
END SECTION
HEADWALL
TREE
SPOT ELEVATION 2.50
STRUCTURE
UTILITY POLE
SURVEY BENCHMARK

STATE OF NEW YORK
GREENMAN PEDERSEN, INC.
LICENSED PROFESSIONAL ENGINEER
No. 121

CONSULTANT:

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MARK:	DATE:	DESCRIPTION:
-	20 OCT 22	GPI CONCEPT FOR REVIEW
-	16 SEP 22	CONCEPT FOR REVIEW

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
BOUNDARY AND TOPOGRAPHIC SURVEY

PROJECT No.
37035

SHEET No.
V-101

XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE:
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DSON\DRFT:
PLOT DATE:
DIMSCALE: 20.0000
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SITE SIGN TABLE

SIGN NO.	DESC.	M.U.T.C.D NO./SIZE	QTY	COLOR*
1	STOP	R1-1 30" X 30"	1	LEGEND: RED-RETROFLECTIVE BACKGROUND: WHITE-RETROFLECTIVE
2	RESERVED PARKING	R7-8 12" X 18"	3	LEGEND: GREEN-RETROFLECTIVE BACKGROUND: WHITE-RETROFLECTIVE SYMBOL BACKGROUND: BLUE -RETROFLECTIVE
3	VAN ACCESSIBLE	R7-8a 12" X 6"	1	LEGEND: GREEN-RETROFLECTIVE (OR BLACK) BACKGROUND: WHITE-RETROFLECTIVE
4	NO PARKING ANY TIME	R7-1 12" X 18"	1	LEGEND: RED BACKGROUND: WHITE-RETROFLECTIVE

GENERAL SHEET NOTES

1. REFER TO C-001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION.
2. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MOST RECENT EDITION AS REVISED) AND AS REQUIRED BY THE TOWN OF NEWBURGH'S HIGHWAY DEPARTMENT. DURING CONSTRUCTION WITHIN THE PUBLIC R.O.W. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN THE PROJECT AREA.
3. REQUIRED SIGNAGE AND STRIPING OF FIRE ZONES OR ACCESS LANES SHALL BE AS REQUIRED BY FIRE OFFICIAL.
4. PAINT ALL PARKING STALLS, STOP BARS, CROSSWALKS AND HANDICAP ACCESSIBLE SPACES. ALLOW PAVING TO AGE 30 DAYS BEFORE APPLYING MARKINGS.
5. DIMENSIONS SHOWN ON PLANS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
6. SOLID WASTE WILL BE PRIVATELY HANDLED. WASTE ACCUMULATED DAILY IS FROM LITTLE TO NONE AND IS DISPOSED OFF-SITE BY THE PATRONS. NO KITCHENS OR DAY CARE SERVICES WILL BE PART OF THE USE OF THE BUILDING. NO DUMPSTER OR MUNICIPAL SERVICE IS NECESSARY.

PAVEMENT LEGEND

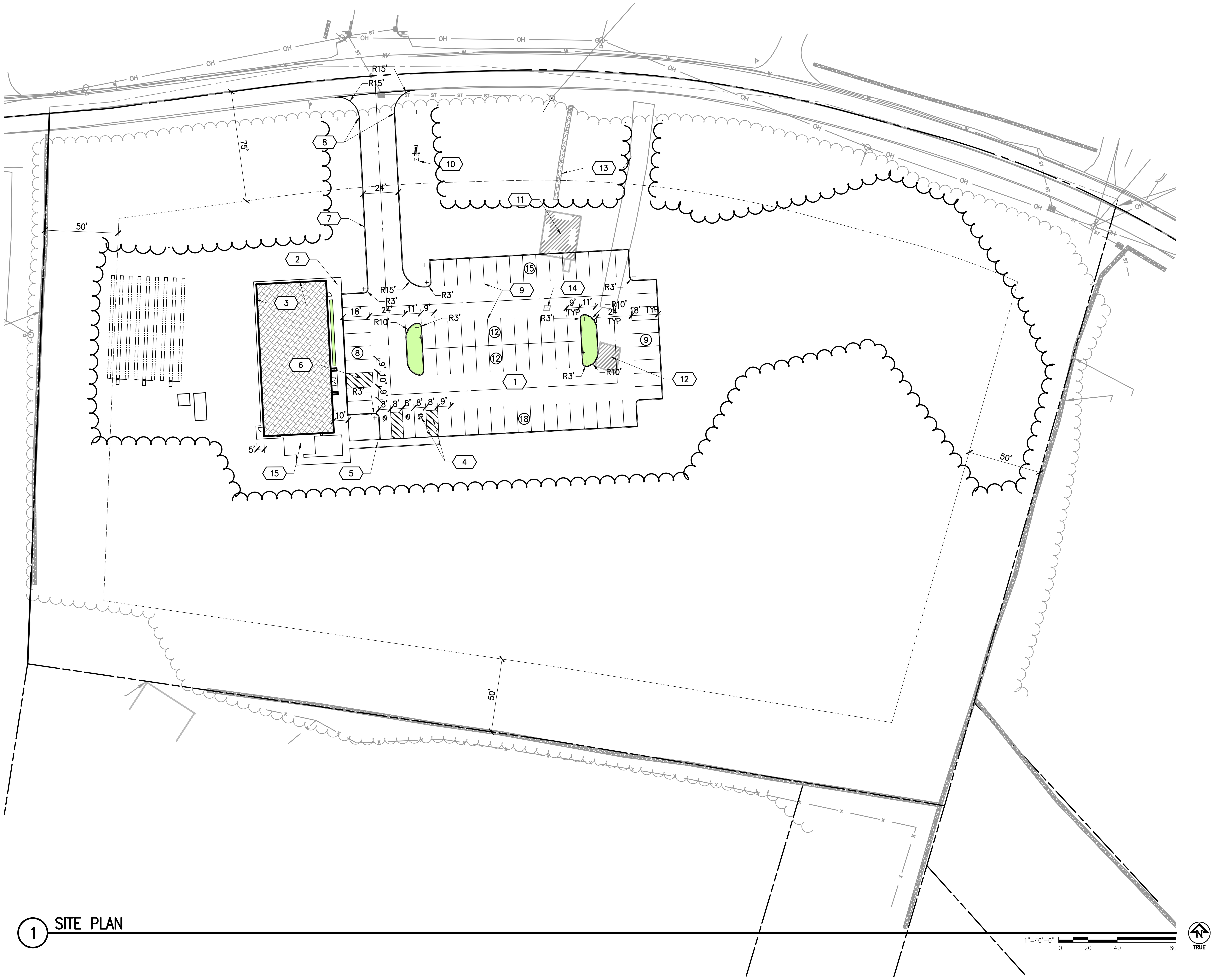
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT

SYMBOLS LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY		
BUILDING SETBACK LINE		
BUILDING		
EDGE OF PAVEMENT		
CURB		
FENCE		
SIGN		
WHEEL STOP		
BOLLARD		
ACCESSIBLE PARKING		
LIGHT POLE (1-LIGHT)		
HYDRANT		
UTILITY POLE		
PARKING SPACE COUNT		#

SHEET KEYNOTES

1. STANDARD ASPHALT PAVEMENT. SEE DETAILS 12 AND 12, SHEET C-502
2. SIDEWALK CONCRETE PAVEMENT. SEE DETAIL 6/C-501
3. 18" WIDE CONCRETE EDGE
4. ACCESSIBLE SIGNAGE AND STRIPING PER AHJ STANDARDS. FACE OF SIGN SHALL BE A MINIMUM OF 2' FROM EDGE OF CURB. SEE DETAILS 2, 3, 5, AND 5, SHEET C-501
5. HANDICAP RAMP, TYPE 2. SEE DETAIL 10/C-501
6. 10'x18' STRIPED PEDESTRIAN ACCESS. SEE DETAIL 3/C-501
7. 6" VERTICAL TURNDOWN SIDEWALK PAVEMENT. SEE DETAIL 15/C-501
8. 6" VERTICAL REVEAL CURB, TAPERED TO FLUSH AT EACH END. SEE DETAIL 14/C-501
9. 4" WIDE TRAFFIC WHITE STRIPING, TYP. SEE DETAIL 9/C-501
10. MONUMENT SIGN. SEE C-504 FOR DETAIL
11. EXISTING ABANDONED HOUSE TO BE REMOVED
12. EXISTING ABANDONED GARAGE TO BE REMOVED
13. EXISTING GRAVEL DRIVE AND SIDEWALK TO BE REMOVED
14. EXISTING WELL TO BE CAPPED AND ABANDONED
15. CONCRETE HVAC PAD



1 SITE PLAN

CIVIL ENGINEER
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518.453.9431 GPINET.COM
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 300
Albany, NY 12205

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WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
SITE PLAN

PROJECT No. 37035

SHEET No. CS101

PLOT DATE:
DIMSCALE: 20.00
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PLOTTED BY:
DSGN\DRFT:

EARTHWORK SPECIFICATIONS

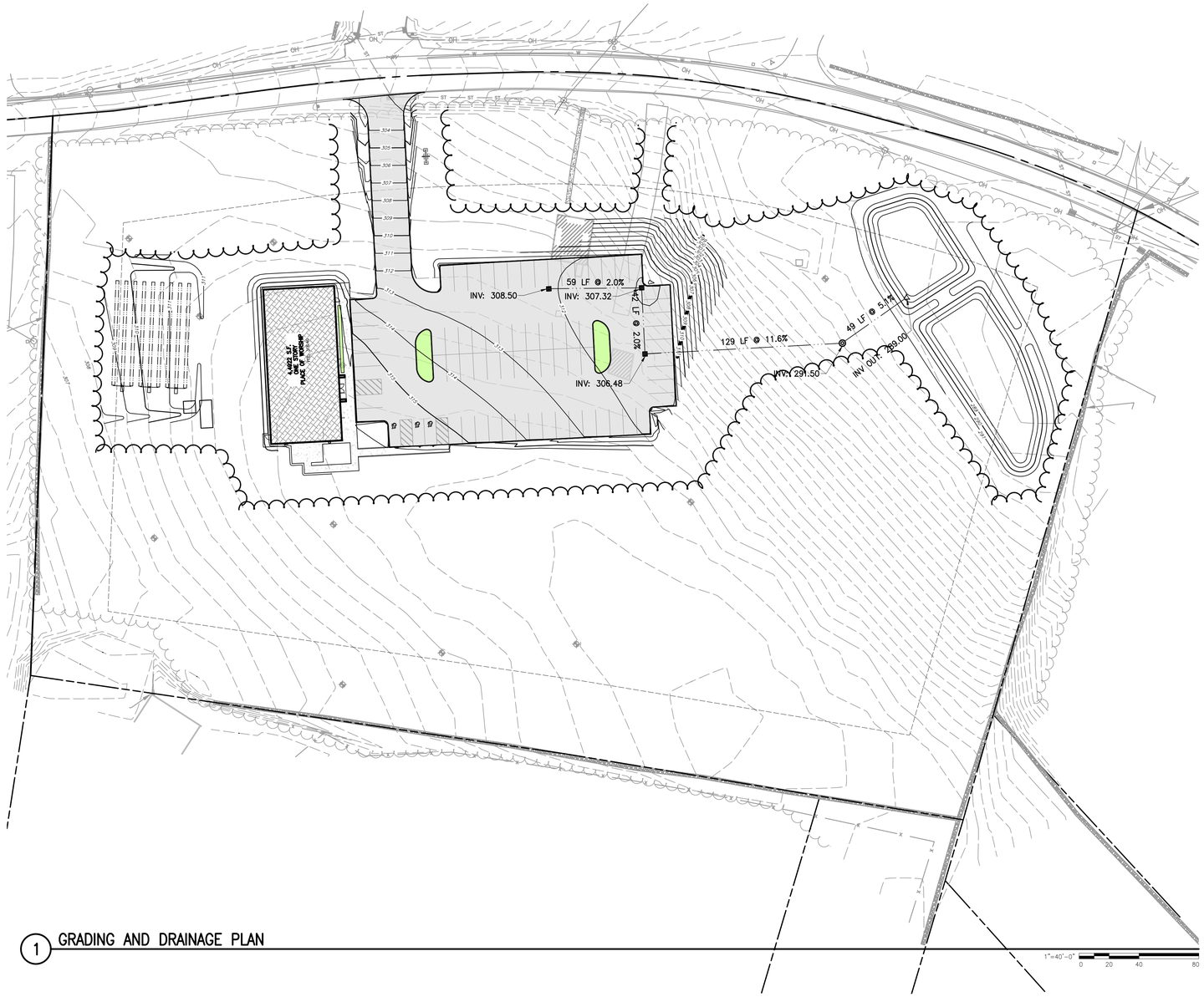
FILL TYPE (1)	USCS CLASSIFICATION	ACCEPTABLE LOCATION FOR PLACEMENT
STRUCTURAL FILL	GW, GW-GM, SW, SW-SM (2)	ALL LOCATIONS AND ELEVATIONS.
COMMON FILL	VARIES (3)	COMMON FILL MAY BE USED FOR GENERAL SITE GRADING. COMMON FILL SHOULD NOT BE USED UNDER SETTLEMENT OR FROST-SENSITIVE STRUCTURES.
CRUSHED STONE	GP	FOR USE ON WET SUBGRADES AND AS DRAINAGE FILL. SHOULD BE UNIFORM 3/4-INCH ANGULAR CRUSHED STONE.
DENSE GRADED CRUSHED STONE	(4)	FOR USE ON ROADWAY BASE AND SUBBASE

1. COMPACTED FILL SHOULD CONSIST OF APPROVED MATERIALS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS. FROZEN MATERIALS SHOULD NOT BE USED. FILL SHOULD NOT BE PLACED ON A FROZEN SUBGRADE.
2. IMPORTED STRUCTURAL FILL SHOULD MEET THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER
3-INCHES	100
1/2-INCHES	70-100
NO. 4	50-85
NO. 10	30-55
NO. 60	8-24
NO. 200	3-10

3. FRIABLE, NATURAL SOIL CONTAINING NO GRAVEL GREATER THAN 3" LOOSE LIFT THICKNESS AND FREE OF TRASH, SNOW, ICE, ORGANICS, ROOTS, AND TREE STUMPS AND NO MORE THAN 25% PASSING THE NO. 200 SIEVE. COMMON BORROW CAN BE USED AS GENERAL SITE BACKFILL PROVIDED IT CAN BE COMPACTED AND STABILIZED FOR THE INTENDED PURPOSE.
4. DENSE GRADED CRUSHED STONE SHOULD MEET THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT FINER
2-INCHES	100
1 1/2-INCHES	70-100
3/4-INCHES	50-85
NO. 4	30-55
NO. 50	8-24
NO. 200	3-10



1 GRADING AND DRAINAGE PLAN

GENERAL EARTHWORK NOTES

1. FOR ADDITIONAL INFORMATION ABOUT SITE-SPECIFIC SOILS AND ENGINEERING RECOMMENDATIONS, PLEASE REFER TO THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY GIFFORD ENGINEERING, DATED 3/4/2020. IN CASE A NOTE ON THESE PLANS CONFLICTS WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS, THE MORE STRINGENT OF THE TWO SHALL APPLY.
2. PRIOR TO COMMENCEMENT OF GRADING OR FILL PLACEMENT, ANY MISCELLANEOUS TRASH, DEBRIS, OR OTHER UNSUITABLE MATERIALS SHOULD BE REMOVED FROM THE SITE. CLEARING AND GRUBBING OF ALL TREES (INCLUDING REMOVAL OF ANY ASSOCIATED ROOT SYSTEMS) AND VEGETATION DESIGNATED FOR REMOVAL SHOULD BE PERFORMED.
3. TOPSOIL SHOULD BE STRIPPED FROM THE PROPOSED BUILDING AND PAVEMENT AREAS. BASED ON THE GEOTECHNICAL INVESTIGATION, THE SITE CONTAINS BETWEEN 4 AND 8 INCHES OF TOPSOIL. AT THIS TIME, WE ANTICIPATE THAT THE TOPSOIL CAN BE USED IN PROPOSED LANDSCAPED AREAS; THE REUSE OF THE ONSITE TOPSOIL SHOULD BE EVALUATED BY A QUALIFIED LANDSCAPE ARCHITECT WITH REGARDS TO NUTRIENT LEVELS, GRAIN SIZE, PH, ETC. TOPSOIL DEEMED UNSUITABLE FOR REUSE SHOULD BE PROPERLY DISPOSED IN AREAS NOT REQUIRING STRUCTURAL FULL. CONFIRM WITH ENGINEER OF RECORD BEFORE EXPORTING MATERIAL OFFSITE (IF REQUIRED).
4. ANY FORMER CONCRETE FOUNDATIONS AND FLOOR SLABS AND ABANDONED UTILITIES THAT ARE ENCOUNTERED BENEATH PROPOSED BUILDINGS SHOULD BE COMPLETELY REMOVED. FORMER CONCRETE FOUNDATIONS AND FLOOR SLABS SHOULD BE CUT TO A MINIMUM OF 3 FEET BELOW PROPOSED SUBGRADE LEVELS IN PROPOSED PAVEMENT AND LANDSCAPE AREAS.
5. EXISTING UTILITIES THAT CONFLICT WITH NEW CONSTRUCTION SHOULD BE REMOVED FROM PROPOSED BUILDING FOOTPRINT AREA. EXISTING UTILITIES LOCATED OUTSIDE OF THE PROPOSED BUILDING FOOTPRINT SHOULD BE REMOVED OR ABANDONED IN-PLACE BY COMPLETE FILLING WITH GROUT. EXCAVATIONS MADE TO REMOVE FOUNDATION ELEMENTS OR UTILITIES SHOULD BE BACKFILLED WITH APPROVED COMPACTED FILL AS DESCRIBED IN THE ENGINEERED FILL SECTION OF THE GEOTECHNICAL REPORT.
6. ANY EXISTING PAVEMENT AND CONCRETE WALKWAYS THAT ARE NOT PART OF THE FINAL DESIGN LAYOUT SHOULD BE DEMOLISHED IN THEIR ENTIRETY.
7. ALL CLEARING AND STRIPPING ACTIVITIES SHOULD BE PERFORMED IN STRICT ACCORDANCE WITH THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLANS. ALL SITE DEMOLITION AND SITE PREPARATION WORK SHOULD BE PERFORMED IN ACCORDANCE WITH ANY ENVIRONMENTAL REGULATIONS.
8. ALL WORK SHOULD BE PERFORMED SO AS TO NOT ADVERSELY IMPACT THE EXISTING AND NEIGHBORING BUILDINGS, OFFSITE STRUCTURES, ROADWAYS, OR UTILITIES.
9. CONSULT WITH THE GEOTECHNICAL ENGINEER BEFORE ADJUSTING RECOMMENDATIONS AS MAY BE NEEDED BASED ON ACTUAL CONDITIONS ENCOUNTERED ONSITE THAT MAY DIFFER FROM WHAT WAS ENCOUNTERED DURING THE INVESTIGATION.

PROOF-ROLLING NOTES

1. ALL BUILDING PAD AND PAVEMENT SUBGRADE SURFACES EXPOSED AFTER THE STRIPPING OF THE VEGETATION AND THE WEAK SURFICIAL SOILS, AS WELL AS ALL AREAS OF THE SITE PLANNED FOR THE PLACEMENT OF GENERAL FILL SOILS, SHOULD BE PROOF-ROLLED WITH AT LEAST 4 PASSES OF EITHER A SMOOTH ROLLER HAVING A MINIMUM STATIC WEIGHT OF 5 TONS OR A FULLY LOADED TANDEM DUMP TRUCK OR EQUIVALENT. ANY SOFT OR WEAK AREAS IDENTIFIED BY THE QUALIFIED SITE INSPECTOR WORKING IN COORDINATION WITH THE CIVIL ENGINEER DURING PROOF-ROLLING SHOULD BE REMOVED AND REPLACED WITH SELECT FILL SOILS OR GENERAL FILL SOILS, DEPENDING UPON THE AREA, THAT ARE INSTALLED IN ACCORDANCE WITH RECOMMENDATIONS PRESENTED IN "CONSTRUCTION CONSIDERATIONS" SECTION OF THE GEOTECHNICAL REPORT. THE REASONS FOR PROOF-ROLLING OF THE SUBGRADE IS THAT SOME SOILS HAVE BEEN FOUND TO COMPACT TO MINIMUM DENSITY REQUIREMENTS BUT TO STILL EXHIBIT "PUMPING" TENDENCIES. PROOF-ROLLING OF THE SUBGRADE SHOULD IDENTIFY THE SOILS THAT HAVE A TENDENCY TO PUMP SO THAT THEY CAN BE REMOVED AND REPLACED WITH MORE SUITABLE FOUNDATION SOILS APPROVED BY THE GEOTECHNICAL ENGINEER.

STRUCTURAL FILL NOTES

COMPACTION TESTING NOTES

1. COMPACTION AND MOISTURE CONTENT OF SUBGRADE AND EACH LIFT OF STRUCTURAL FILL SHALL BE INSPECTED AND APPROVED BY A QUALIFIED ENGINEERING TECHNICIAN, SUPERVISED BY A GEOTECHNICAL ENGINEER.
2. SUBGRADE COMPACTION TESTS SHOULD BE PERFORMED AT AN AVERAGE RATE OF ONE TEST FOR EVERY 2,000 SF OF BUILDING PAD SUBGRADE AREA OR VERY 5,000 SF OF PAVEMENT OR GENERAL FILL AREA, WITH A MINIMUM OF THREE TESTS BEING PERFORMED FOR EACH DISTINCT SUBGRADE AREA.

FILL AREA	PERCENT MAX DENSITY PER ASTM D698	PERCENT MAX DENSITY PER ASTM D1557
FOUNDATION SUPPORT FILL	98%	95%
FOUNDATION BACKFILL	98%	95%
SLAB-ON-GRADE, PAVED AREAS	98%	95%
NON-STRUCTURAL AREAS, GREEN AREAS	92%	90%

SHEET KEYNOTES

1. 6" HDPE CONNECTED TO DOWNSPOUT (0.8% SLOPE). SEE DETAIL 12/C-503
2. 8" HDPE
3. CONCRETE HEADWALL. SEE DETAIL 14/C-503
4. OUTLET CONTROL STRUCTURE. SEE DETAIL 10/C-503
   RIM: 94.90'
   INV OUT: 93.50'
   6" ORIFICE INV: 93.50'
5. RIP-RAP SPILLWAY. SEE DETAIL 5/C-503
6. RIP-RAP APRON. SEE DETAIL 9/C-502
7. DRAINAGE SWALE @ 0.8% SLOPE. SEE DETAIL 7/C-502
8. CHAINLINK FENCE. SEE DETAIL 12/C-501

GENERAL GRADING NOTES

1. REFER TO C-001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION
2. CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
3. YARD AREAS, SIDEWALKS AND PAVEMENT SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS. FINISHED SURFACES SUCH AS ALL PAVING, SIDEWALKS AND RAMPS IN ACCESSIBLE AREAS SHALL CONFORM TO FEDERAL AND NEW YORK STATE ACCESSIBILITY STANDARDS. ACCESSIBLE ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS AND WITH THE FOLLOWING:
   PARKING AND LOADING AREAS – MAXIMUM SLOPE OF 1:50 (2%) IN ALL DIRECTIONS IN ACCESSIBLE PARKING SPACES AND AISLES.
   ACCESSIBLE ROUTES – MAXIMUM SLOPE OF 1:20 (5%) IN THE DIRECTION OF TRAVEL. MAXIMUM CROSS SLOPE OF 1:50 (2%).
   BUILDING ENTRANCES AND EXITS – AT ALL LOCATIONS 5'X5' (MINIMUM) ACCESSIBLE, CONCRETE WALK WITH A MAXIMUM SLOPE OF 1:50 (2%) IN ALL DIRECTIONS.
4. CONTRACTOR SHALL GRADE THE SITE TO MATCH EXISTING GROUND AT THE LIMITS OF THE PROJECT SITE. ALL DRAINAGE ENTERING THE PROJECT AREA SHALL BE INTERCEPTED IN THE FINAL GRADING. TRANSITIONS TO EXISTING GROUND THAT ARE DIFFERENT FROM THE PLANS SHALL BE COORDINATED PRIOR TO FINAL GRADING. LAWN AREAS TO BE MOWED SHOULD NOT EXCEED A SLOPE OF 4:1.
5. ALL AREAS WITHIN THE PROJECT SITE SHALL BE GRADED TO DRAIN TO ON-SITE STORM SEWERS OR TO THE PUBLIC R.O.W. THE DEVELOPMENT SHALL NOT HAVE ANY ADVERSE IMPACTS TO SURROUNDING PROPERTIES.

STORM DRAINAGE CONSTRUCTION NOTES

1. CONSTRUCTION IN STORM SEWER AND DRAINAGE EASEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S REQUIREMENTS.
2. SPECIFICATIONS:
   PIPES WITHIN THE PUBLIC R.O.W.:
   PIPE SHALL BE CLASS III, WALL B, REINFORCED CONCRETE PIPE IN ACCORDANCE WITH ASTM C76.
   PIPES WITHIN PROPERTY:
   4" AND GREATER SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) WITH SOIL-TIGHT JOINTS IN ACCORDANCE WITH ASTM F2648 WITH RUBBER GASKETS MEETING ASTM F477 WITH FITTINGS IN ACCORDANCE WITH ASTM F2306 UNLESS OTHERWISE SPECIFIED. INSTALLATION OF HDPE STORM SEWERS SHALL BE IN ACCORDANCE WITH ASTM D2321 IN ALL CASES, CHANGES IN PIPE SIZE OR TYPE SHALL OCCUR AT AN APPROVED STRUCTURE.
   MANHOLES:
   USE NYLOPLAST DRAIN BASINS
   USE ROUND CONCRETE MANHOLES WITH ECCENTRIC CONES WITH 24" OPENING IN ACCORDANCE WITH ASTM C478, RUBBER GASKETS IN ACCORDNACE WITH C433 AND STEPS IN ACCORDANCE WITH C497.
   CATCH BASINS:
   USE NYLOPLAST DRAIN BASINS
   USE SQUARE CONCRETE BOX IN ACCORDANCE WITH ASTM C913 WITH RUBBER GASKETS IN ACCORDANCE WITH C433 AND STEPS IN ACCORDANCE WITH ASTM C497.
   FRAMES AND COVERS:
   SHALL BE IN ACCORDANCE WITH AASHTO M105.
3. CONTRACTOR SHALL VERIFY ALL FLOWLINE OR INVERT ELEVATIONS 48 HOURS PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. IF A DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
4. ROOF DRAINAGE TO BE DIRECTED FROM BUILDING TO STORM SYSTEM VIA DOWNSPOUTS.

SYMBOLS LEGEND

	EXISTING	PROPOSED
CONTOUR-MAJOR	2.50	2.50
CONTOUR-MINOR	2.50	2.50
STORM SEWER		
TOP OF BANK		
SPOT GRADE	2.50	2.50
SPOT GRADE TOP OF CURB	TC2.50	TC2.50
DIRECTION OF WATER FLOW		
DOWN SPOUT	D.S	D.S
CATCH BASIN – NO CURB PIECE		
CURB INLET		
STORM MANHOLE		
FLARED END SECTION		
RIP RAP APRON		
HEADWALL		
SURVEY BENCHMARK		

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WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
GRADING AND DRAINAGE PLAN

PROJECT No.
37035

SHEET No.
CG101

UTILITY SUMMARY TABLE

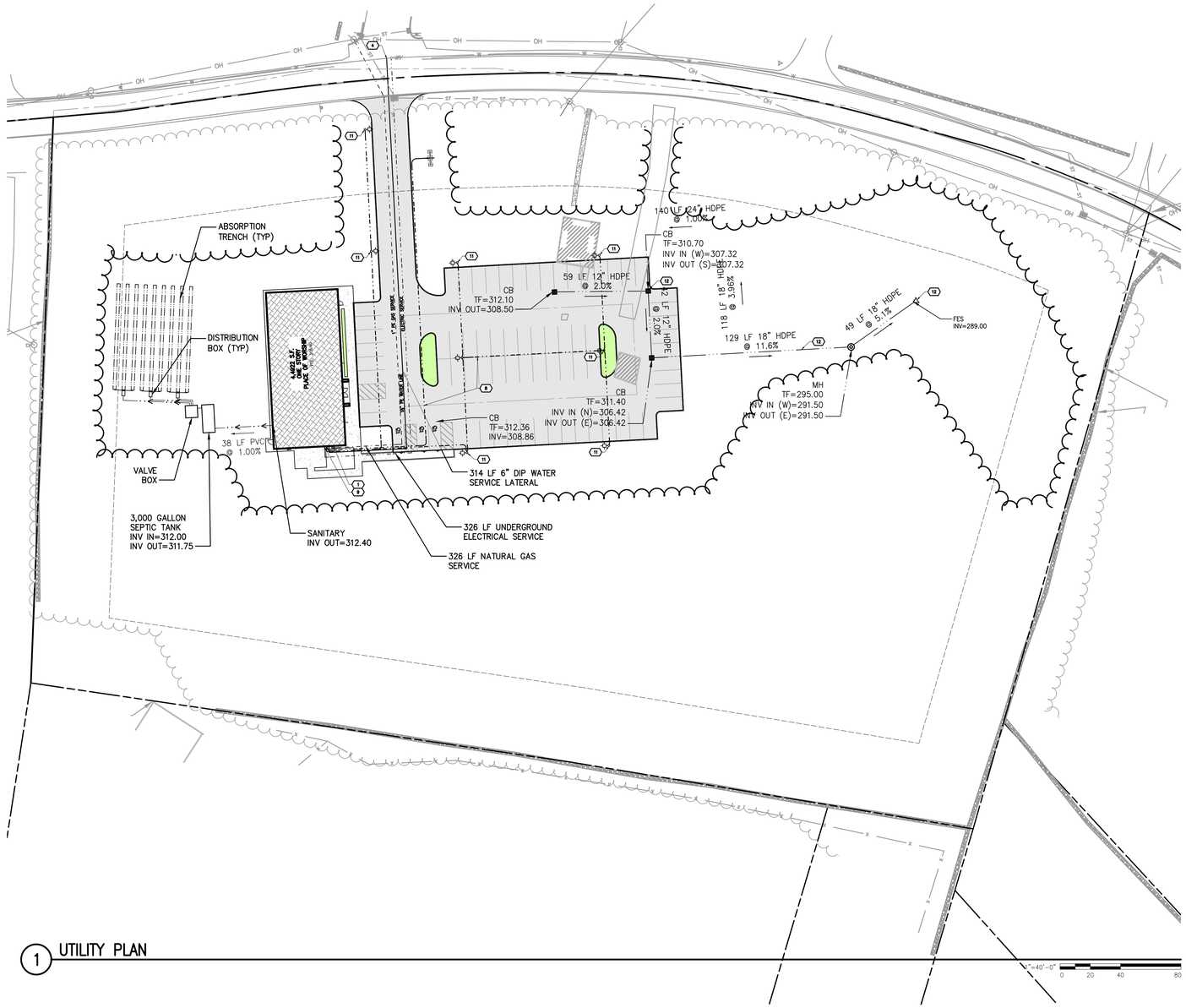
DESCRIPTION	LENGTH
WATER	
1-1/2" WATER LINE	FT.
STORM WATER	
6" HDPE	FT.
8" HDPE	FT.
SANITARY SEWER	
4" PVC	FT.
GAS LINE	
3/4" OR 1" PE	FT.
ELECTRICAL CONDUIT	
SEE ES101	

LIST OF CONTACTS FOR UTILITY COMPANIES

1. WATER
   TOWN OF NEWBURGH–JAMES OSBORNE; 343 RTE 32, NEWBURGH, NY; 845–564–7814
2. SEWER
   TOWN OF NEWBURGH–JEFF GUIDO; 343 RTE 32, NEWBURGH, NY; 845–564–7803
3. ELECTRIC
   CHG&E–LISA CARVER; 610 LITTLE BRITAIN ROAD, NEW WINDSOR, NY; 845–563–4529
4. GAS
   CHG&E–LISA CARVER; 610 LITTLE BRITAIN ROAD, NEW WINDSOR, NY; 845–563–4529

SHEET KEYNOTES

1. 1" GAS LINE CONNECTION W/METER
2. 1½" PE WATER LINE CONNECTION
3. [SIZE] WATER METER
4. WATER TAP CONNECTION [DEFINE CONNECTION METHOD]. SEE DETAIL 3/C–502
5. 4" SDR–35 PVC
6. SEWER TAP CONNECTION
7. SANITARY SEWER CLEANOUT, TYP. AT LEAST ONE TO BE DUAL DIRECTION. SEE DETAILS 5 AND 6, SHEET C–502
8. ¾" ELECTRICAL CONDUIT FOR LIGHTING CIRCUITS. SEE ES101 FOR CONDUIT LAYOUT
9. 2" ELECTRICAL CONDUIT FROM METER
10. TRANSFORMER AT POWER POLE
11. LIGHT POLE ON CONCRETE BASE. SEE ES101 FOR DETAIL AND POLE HEIGHT
12. STORM SEWER SYSTEM. SEE CG101 FOR MORE INFORMATION



1 UTILITY PLAN

1"=40'-0" (0, 20, 40, 80) TRUE

SANITARY SEWER CONSTRUCTION NOTES

1. SANITARY SEWER CONSTRUCTION AND TESTING SHALL BE IN ACCORDANCE WITH THE RULES AND REQUIREMENTS OF THE TOWN OF NEWBURGH ENGINEERING DEPARTMENT, ORANGE COUNTY DEPARTMENT OF HEALTH, AND THE NEW YORK STATE DEPARTMENT OF HEALTH.
2. SPECIFICATIONS:
   A. FOR PVC PIPES LESS THAN 8 FT DEEP:
      USE 4" PVC SDR–35 IN ACCORDANCE WITH ASTM D3034 WITH RUBBER GASKET JOINTS PER ASTM D3213 INSTALLED IN ACCORDANCE WITH ASTM D2321. SANITARY SEWER BEDDING WITHIN FIVE (5) FEET OF THE BUILDING SHALL BE BEDDED AND BACKFILLED WITH STRUCTURAL FILL.
   B. FOR PVC PIPES DEEPER THAN 8 FT DEEP:
      USE TYPE PSM SDR–26 PVC PIPE
      USE DUCTILE IRON PIPE IN ACCORDANCE WITH ANSI/AWWA A21.50/C151, FITTINGS IN ACCORDANCE WITH ANSI/AWWA A21.53.C153, RUBBER GASKET IN ACCORDANCE WITH ANSI/AWWA A21.11/C111 AND CEMENT MORTAR LINING IN ACCORDANCE WITH ANSI/AWWA A21.4/C104
3. SEPARATION DISTANCES FOR ALL SANITARY/STORM SEWER AND WATER MAIN CONSTRUCTION SHALL BE 18 VERTICAL INCHES AND/OR 10 HORIZONTAL FEET IN ACCORDANCE WITH THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS' SPECIFICATIONS, "MAIN LINE SEWER AND BUILDING LATERAL SEWER GENERAL GUIDELINES, CONSTRUCTION APPLICATION, CONSTRUCTION PERMIT PROCEDURES, STANDARD DETAILS, AND SANITARY SEWER SPECIFICATIONS" (LATEST PRINTING) AND THE TOWN OF NEWBURGH'S REQUIREMENTS.
4. ALL CLEANOUTS THAT ARE PLACED WITHIN PAVING OR SIDEWALK AREAS SHALL BE INSTALLED WITH A NON–SKID, TRAFFIC RATED, SEALED METAL COVER SET FLUSH WITH THE FINISHED PAVING ELEVATION.
5. THE MINIMUM DEPTH OF COVER REQUIRED FOR ALL SANITARY SEWERS AND LATERALS SHALL BE 4 FEET.
6. THE JOINT DEFLECTION METHOD SHALL BE USED WHERE PRACTICAL IN LIEU OF INSTALLING BENDS.
7. THE CONTRACTOR SHALL PERFORM A CLOSED CIRCUIT TELEVISION INSPECTION ON ALL GRAVITY SEWERS IN ACCORDANCE WITH THE ORANGE COUNTY DEPARTMENT OF HEALTH PRIOR TO FINAL ACCEPTANCE.

GAS CONSTRUCTION NOTES

1. THE MINIMUM DEPTH OF COVER FOR ALL UNDERGROUND GAS CONDUIT SHALL BE 3 FEET
2. GAS LINE SHALL BE MADE OF POLYETHYLENE PIPE IN ACCORDANCE WITH ASTM D2315 (PE 4710)

UTILITY TRENCH NOTES

1. EXCAVATION AND SHORING REQUIREMENTS FOR ALL OPEN EXCAVATIONS SHOULD BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF OSHA 29 CFR 1926, SUBPART P.
2. SOILS USED TO BACKFILL UTILITY TRENCHES SHALL BE FREE OF DELETERIOUS MATERIAL AND EXCESSIVE AMOUNTS OF SILT. NATIVE SOILS OR SOILS MEETING STRUCTURAL FILL REQUIREMENTS MAY BE USED FOR BACKFILLING OF UTILITY TRENCHES UNLESS OTHERWISE PROHIBITED BY PLANS AND OTHER SPECIFICATIONS REFERENCED ELSEWHERE.
3. TRENCH BACKFILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8 INCHES AND MECHANICALLY COMPACTED TO THE REQUIRED MOISTURE/DENSITY REQUIREMENTS.
4. SOILS USED TO BACKFILL UTILITIES LOCATED BENEATH BUILDINGS, UNDERNEATH PAVEMENT OR OTHER STRUCTURAL UNITS SHALL BE COMPACTED AT MOISTURE CONTENTS WITHIN THE RANGE OF THE OPTIMAL MOISTURE CONTENT (OMC) TO 4% ABOVE OMC, INCLUSIVE, AND TO AT LEAST 98% OF THE MAX DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST, ASTM D698. ALTERNATIVELY, CEMENT–STABILIZAED SAND MAY BE USED FOR UTILITY BACKFILL.
5. EXCEPT UNDER PAVEMENT, BUILDING, OR AS OTHERWISE REQUIRED FOR THE PROJECT, TRENCH BACKFILL ABOVE THE PIPE ZONE MAY BE NATIVE MATERIAL. NATIVE MATERIAL BACKFILL SHALL BE PLACED IN LOOSE LIFTS OF LESS THAN EIGHT (8) INCHES COMPACTED TO A DENSITY OF NINETY (90) PERCENT, STANDARD PROCTOR, MAXIMUM DRY DENSITY, WITH MOISTURE WITHIN 3 PERCENT OF OPTIMUM.
6. SOILS USED TO BACKFILL UTILITIES LOCATED IN LANDSCAPED OR GRASSED AREAS SHALL BE COMPACTED AT MOISTURE CONTENTS IN THE RANGE OF 3% BELOW TO 4% ABOVE OMC, INCLUSIVE, AND TO AT LEAST 92% OF THE MAX DRY DENSITY AS DETERMINED BY STANDARD PROCTOR COMPACTION TEST, ASTM 698.
7. ALL UTILITY TRENCHES SHALL BE EXCAVATED AND BACKFILLED WHILE THE TRENCH IS DRY. EXCAVATION AND BACKFILLING OPERATIONS SHOULD CEASE DURING RAIN OR SNOW EVENTS THAT WOULD CAUSE THE SOIL TO EXCEED THE MAXIMUM MOISTURE CONTENT.
8. CONTRACTOR SHALL PROVIDE ANY DEWATERING FOR UTILITY INSTALLATION, IF REQUIRED.

SYMBOLS LEGEND

	EXISTING	PROPOSED
STORM SEWER		
SANITARY SEWER		
UNDERGROUND ELECTRIC LINE		
OVERHEAD ELECTRIC LINE		
GAS LINE		
WATER LINE		
CLEANOUT	○	●
WATER METER	▭	▭
WATER VALVE	⋈	⋈
HYDRANT		
UTILITY POLE		
LIGHT POLE		

GENERAL UTILITY NOTES

1. REFER TO C–001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION
2. CONTRACTOR IS NOTIFIED THAT EXISTING UTILITIES ARE PRESENT AND UTILITY INFORMATION SHOWN ON THE PLANS HAVE BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OF COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION.
3. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES WITHIN PROJECT LIMITS TO PREVENT DAMAGE OR IDENTIFY IF ADJUSTMENTS ARE NEEDED. CONTRACTOR SHALL NOTIFY ALL UTILITIES RELATED TO THE PROJECT AT LEAST 2 BUT NOT MORE THAN 10 DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOT PROCEED WITH WORK IN AREAS WHERE UTILITIES HAVE NOT BEEN LOCATED AND MARKED BY UTILITY COMPANIES. FOR UTILITY MARKOUT, CALL DIGSAFENY (811)
4. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO CONFIRM EXISTING INVERTS, MATERIALS AND SIZES, SUCH THAT CONFLICTS MAY BE AVOIDED.
5. CONTRACTOR MUST VERIFY ALL EXISTING WATER, SEWER, AND STORMWATER INFRASTRUCTURE WITHIN THE PROPERTY AND PUBLIC RIGHT–OF–WAY BEFORE ORDERING STRUCTURES OR CONNECTING TO EXISTING LINES. CONFIRMATION MUST INCLUDE ALL HORIZONTAL AND VERTICAL LOCATIONS.
6. UNLESS OTHERWISE NOTED, MAINTAIN 6 INCHES OF VERTICAL CLEARANCE (MINIMUM) AT CROSSINGS BETWEEN ALL UNDERGROUND CONDUITS.
7. REFER TO ELECTRICAL SITE PLAN FOR ELECTRICAL CONDUIT SPECIFICATIONS

WATER UTILITY NOTES

1. WATER CONSTRUCTION NOTES SHALL APPLY TO THE ON–SITE, DOMESTIC AND FIRE SYSTEMS (IF REQUIRED) FROM FIVE FEET OUTSIDE THE BUILDING TO THE METER OR SERVICE CONNECTION.
2. ALL WATER LINE CONSTRUCTION AND TESTING SHALL CONFORM TO THE REQUIREMENTS OF THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS.
3. SEPARATION DISTANCES FOR ALL WATER MAIN AND SANITARY/STORM SEWER MAIN CONSTRUCTION SHALL BE 18 VERTICAL INCHES AND/OR 10 HORIZONTAL FEET IN ACCORDANCE WITH THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS' SPECIFICATIONS, "MAIN LINE SEWER AND BUILDING LATERAL SEWER GENERAL GUIDELINES, CONSTRUCTION APPLICATION, CONSTRUCTION PERMIT PROCEDURES, STANDARD DETAILS, AND SANITARY SEWER SPECIFICATIONS" (LATEST PRINTING).
4. ALL WATER LINES SHALL BE CONSTRUCTED ABOVE SANITARY SEWERS AT ALL CROSSINGS. ALL WATER LINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 18 INCHES FROM SEWER LINES. WHEN POTABLE WATER LINES PASS UNDERNEATH SEWER LINES, AN EIGHTEEN–FOOT LONG, CONTINUOUS JOINT OF WATER LINE SHALL BE CENTERED AT ALL CROSSINGS WITH SANITARY SEWERS.
5. SPECIFICATIONS:
   DOMESTIC WATER SERVICE:
   3/4" TO 2" – USE PEX TUBING IN ACCORDANCE WITH ASTM F876 AND F877.
   3/4" TO 2" – USE COPPER, TYPE K, IN ACCORDANCE WITH ASTM B88.
   PRIVATE FIRE SERVICE:
   <4" – USE PVC SDR21 IN ACCORDANCE WITH ASTM D2241, WITH RUBBER GASKETS MEETING ASTM F477 WITH A MINIMUM PRESSURE RATING OF 150 PSI
   4"–12" – USE PVC IN ACCORDANCE WITH AWWA C900, JOINTS MEETING ASTM F3139 AND GASKETS MEETING F477
   3" TO 12" – USE DUCTILE IRON PIPE PRESSURE CLASS 350 IN ACCORDANCE WITH ANSI/AWWA A21.50/C151, FITTINGS MEETING ANSI/AWWA A21.53/C153, WITH RUBBER GASKETS MEETING ANSI/AWWA A21.11.C111. PIPING SHALL USE CEMENT MORTAR LINING MEETING THE REQUIREMENTS OF AWWA C153 AND C104.
6. WATER LINE CONSTRUCTION SHALL INCLUDE BEDDING AND CONCRETE THRUST BLOCKING IN ACCORDANCE WITH THE DETAILS.
7. WATER LINES WITHIN FIVE (5) FEET OF THE BUILDING SHALL BE BEDDED AND BACKFILLED USING STRUCTURAL FILL. WATER LINES BEYOND FIVE (5) FEET FROM THE BUILDING AND 4" IN DIAMETER OR GREATER SHALL BE BEDDED AND BACKFILLED PER DETAIL 2/C–502.
8. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING AND OBTAIN CLEARANCE OF DOMESTIC WATER SYSTEM. COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO OWNER AND ENGINEER.
9. FIRE HYDRANT, GATE VALVE, AND BLOW–OFF VALVE ASSEMBLIES SHALL CONSISTS OF ALL PIPE, VALVES, TEES, FITTINGS, AND ANY AND ALL OTHER APPURTENANCES COMPRISING A COMPLETE WORKING UNIT.
10. ALL COMPONENTS OF THE WATER SYSTEM SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE TOWN OF NEWBURGH'S WATER DEPARTMENT OR THE CHIEF ENGINEER. PRESSURE TESTS SHALL BE IN ACCORDANCE WITH THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS' SPECIFICATIONS.
11. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES OR PRESSURE TEST AGAINST ANY COUNTY/CITY INSTALLED VALVES OR FITTINGS.

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-	06 DEC 22	CONCEPT FOR REVIEW

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
UTILITY PLAN

PROJECT No. 37035

SHEET No. CU101

IMAGE: IMAGE: IMAGE: IMAGE: IMAGE: IMAGE:
XREF: XREF: XREF: XREF: XREF: XREF:
XREF: XREF: XREF: XREF: XREF: XREF:

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1 EROSION CONTROL PLAN

SHEET KEYNOTES

1. CONSTRUCTION ENTRANCE. SE DETAIL 11/C-502
2. SILT FENCE. SEE DETAIL 10/C-502
3. RIP-RAP STABILIZED SPILLWAY. SEE DETAIL 5/C-503
4. RIP-RAP APRON. SEE DETAIL 9/C-502
5. LIMIT OF DISTURBANCE
6. INLET FILTER

SYMBOLS LEGEND

PROPOSED

- SILT FENCE
- LIMIT OF DISTURBANCE
- INLET FILTER
- RIPRAP/CONSTRUCTION ENTRANCE

SOIL EROSION AND BMP INSPECTION NOTES

AT A MINIMUM, THE FOLLOWING SHALL BE PROVIDED.

1. INSPECTIONS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS OR THE OCCURRENCE OF RUNOFF FROM SNOWMELT SUFFICIENT TO CAUSE A DISCHARGE.
2. DURING EACH INSPECTION, CONTRACTOR SHALL INSPECT THE FOLLOWING AREAS OF THE SITE:
   - CLEARED, GRADED, OR EXCAVATED AREAS OF THE SITE
   - STORMWATER CONTROLS (E.G. PERIMETER CONTROLS, SEDIMENT BASINS, INLETS, EXIT POINTS, ETC.) AND PRACTICES (E.G. POLLUTION PREVENTION PRACTICES FOR VEHICLES FUELING/MAINTENANCE AND WASHING, STORAGE, HANDLING AND DISPOSAL, ETC.) AT THE SITE.
   - MATERIAL, WASTE, OR BORROW AREAS COVERED BY AN EPA SWPPP OR SOIL EROSION PERMIT AND EQUIPMENT STORAGE MAINTENANCE AREAS
   - AREAS WHERE STORMWATER FLOWS WITHIN THE SITE.
   - STORMWATER DISCHARGE POINTS, AND
   - AREAS WHERE STABILIZATION HAS BEEN IMPLEMENTED.
3. DURING EACH SITE INSPECTION, CONTRACTOR SHALL CHECK:
   - WHETHER STORMWATER CONTROLS OR POLLUTION PREVENTION PRACTICES ARE PROPERLY INSTALLED, REQUIRING CORRECTIVE ACTION, OR WHETHER NEW OR MODIFIED CONTROLS ARE REQUIRED;
   - FOR THE PRESENCE OF CONDITIONS THAT COULD LEAD TO SPILLS, LEAKS, OR OTHER POLLUTANT ACCUMULATIONS AND DISCHARGES;
   - FOR LOCATIONS WHERE NEW OR MODIFIED STORMWATER CONTROLS ARE NECESSARY TO MEET REQUIREMENTS OF EPA SWPPP OR SOIL EROSION PERMIT;
   - WHETHER THERE ARE VISIBLE SIGNS OF EROSION AND SEDIMENT ACCUMULATION AT POINTS OF DISCHARGE AND TO THE CHANNELS AND STREAMBANKS THAT ARE IN THE IMMEDIATE VICINITY OF THE DISCHARGE
   - IF A STORMWATER DISCHARGE IS OCCURRING AT THE TIME OF INSPECTION, WHETHER THERE ARE OBVIOUS VISUAL SIGNS OF POLLUTANT DISCHARGES; AND
   - IF ANY PERMIT VIOLATIONS HAVE OCCURRED ON THE SITE

GENERAL SHEET NOTES

1. REFER TO C-001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION.
2. BMP INSPECTIONS TO BE SCHEDULED DURING CONSTRUCTION. ALL SOIL EROSION AND SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION;, "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" CURRENT EDITION.
3. PLEASE REFER TO EARTHWORK AND UTILITY TRENCH NOTES ON THE GRADING PLAN AS WELL AS FOR SPECIFIC REFERENCE TO THE GEOTECHNICAL REPORT.
4. ALL SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION SHALL BE TEMPORARILY SEEDED AND HAY MULCHED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
5. SEDIMENT FENCES ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.
6. ALL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE IMMEDIATELY RECTIFIED.
7. SEDIMENT IN BASINS SHALL BE REMOVED AT REGULAR INTERVALS. THE LAST TWO FEET OF ANY INFILTRATION BASINS SHOULD NOT BE EXCAVATED IF IT WILL BE USED AS A SEDIMENT BASIN. BASIN CONSTRUCTION MUST NOT COMPACT SOILS AT BASIN BOTTOM.
8. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. ALL PUMP DEWATERING SHALL BE DIRECTED TOWARD A SEDIMENT BASIN.
9. THE MAXIMUM SOIL SLOPES SHALL NOT EXCEED 3:1 UNLESS ADDITIONAL MEASURES ARE TAKEN AND APPROVED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERMING METHODS SHALL BE USED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.

CLEARING/DEMOLITION NOTES

1. PRIOR TO ANY SOIL DISTURBANCE OR LAND CLEARING, ALL SOIL EROSION AND SEDIMENT CONTROLS MUST BE IN PLACE.
2. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN AS INDICATED ON PLANS SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL REGULATIONS. THE CONTRACTOR SHALL MAINTAIN THESE TREES IN GOOD CONDITION.
3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION, AS NOTED ON THE PLANS.
4. THE CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANIES TO DISCONNECT / RELOCATE THEIR FACILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO ANY DEMOLITION.
5. REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ONSITE, PROVIDED THAT THE MATERIAL IS DEEMED SUITABLE FOR CONSTRUCTION BY THE OWNER'S SOIL TESTING COMPANY.
6. THE CONTRACTOR SHALL CALL DIGSAFENY (811) AT LEAST 72 HOURS PRIOR TO ANY EARTHWORK ACTIVITIES.

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CONSULTANT:

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MARK:	DATE:	DESCRIPTION:
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1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:

NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:

EROSION CONTROL PLAN

PROJECT No. 37035

SHEET No. CE101

IMAGE: ####
XREF: ####

PLOTTED BY:
DSIGN\DRFT:
PLOT DATE: 20.00
DWGSCALE:
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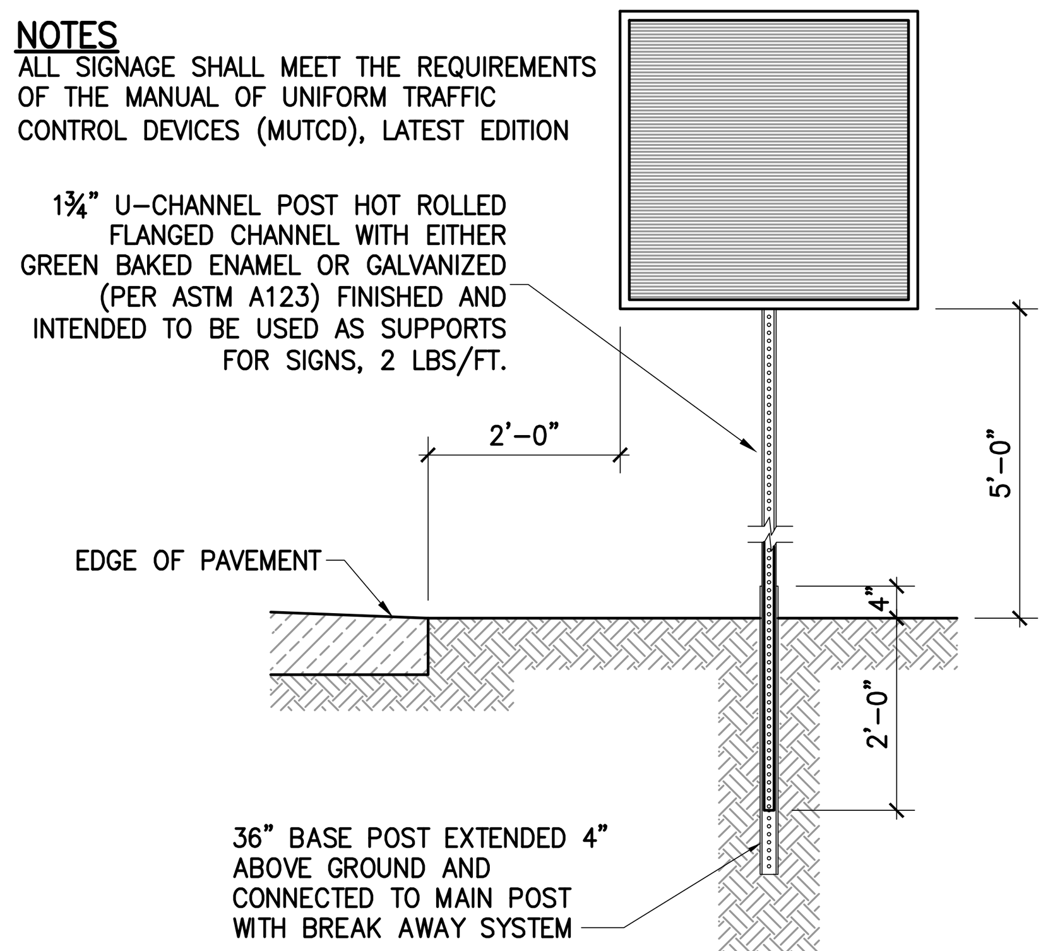
NOTES

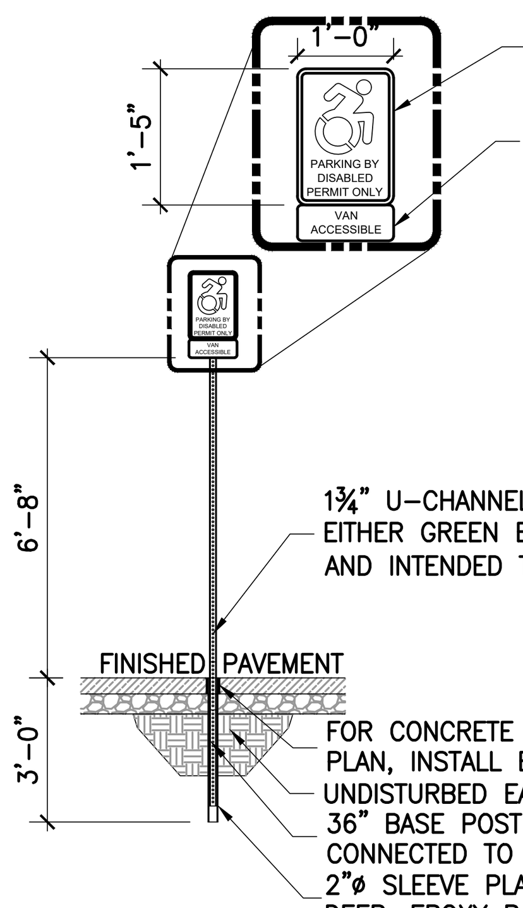
ALL SIGNAGE SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION

1¾" U-CHANNEL POST HOT ROLLED FLANGED CHANNEL WITH EITHER GREEN BAKED ENAMEL OR GALVANIZED (PER ASTM A123) FINISHED AND INTENDED TO BE USED AS SUPPORTS FOR SIGNS, 2 LBS/FT.



1 SIGNAGE-TYPICAL

1/2"=1'-0"



VERIFY SIGNAGE W/AUTHORITIES PRIOR TO INSTALLATION & INSTALL APPROVED SIGNS ONLY

PROVIDE ADDITIONAL "VAN ACCESSIBLE" SIGNAGE AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS

NOTES

1. ALL SIGNS SHOWN SHALL CONFORM TO THE LOCAL AHJ REQUIREMENTS.
2. ALL SIGNS SHOWN SHALL BE REFLECTORIZED TO SHOW THE SAME COLOR BY NIGHT AS BY DAY.
3. ALL SIGNS SHALL BE SECURELY MOUNTED ON POSTS.

1¾" U-CHANNEL POST HOT ROLLED FLANGED CHANNEL WITH EITHER GREEN ENAMEL OR GALVANIZED (PER ASTM A123) FINISHED AND INTENDED TO BE USED AS SUPPORTS FOR SIGNS, 2 LBS/FT

FOR CONCRETE PAVEMENT, REMOVE TOP PORTION OF FOAM PLAN, INSTALL BACKER ROD AND THEN SEALANT

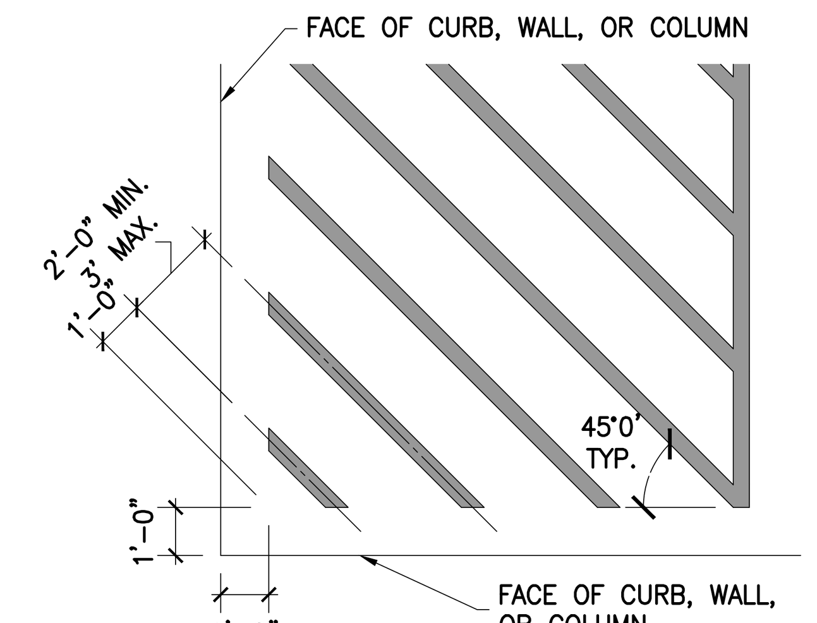
UNDISTURBED EARTH

36" BASE POST EXTENDED 4" ABOVE GROUND AND CONNECTED TO MAIN POST WITH BREAK AWAY SYSTEM

2"ø SLEEVE PLACED BELOW FINISHED GRADE 36" DEEP. EPOXY BASE POST INTO CAP

2 ACCESSIBLE PARKING SIGN IN PAVEMENT

1/4"=1'-0"

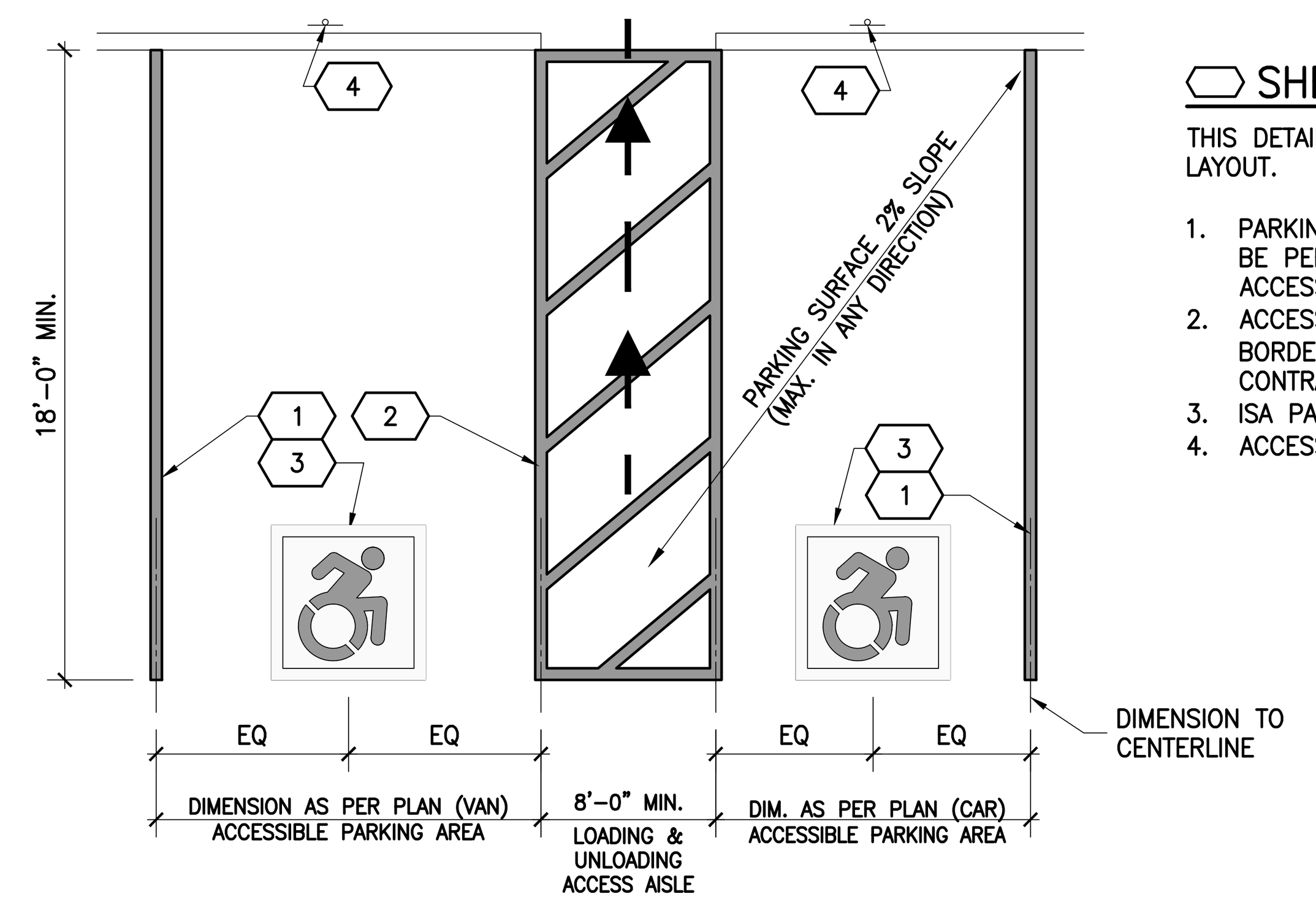


NOTES

1. APPLY MPI#97, WATER-BASED, LATEX MARKING PAINT AT A RATE OF ONE GALLON PER 300-400 LF OF FOUR INCH WIDE STRIPES OR TO MANUFACTURER'S SPECIFICATION TO A MINIMUM THICKNESS OF 15 MILS. APPLY STRIPES STRAIGHT AND EVEN WHEN TEMPERATURES ARE WITHIN 50°F AND 95°F. ALLOW PAVING TO AGE 30 DAYS BEFORE APPLYING MARKINGS.
2. WHITE PAINT FOR ASPHALT, YELLOW PAINT FOR CONCRETE.

3 DIAGONAL STRIPING-TYPICAL

1/4"=1'-0"



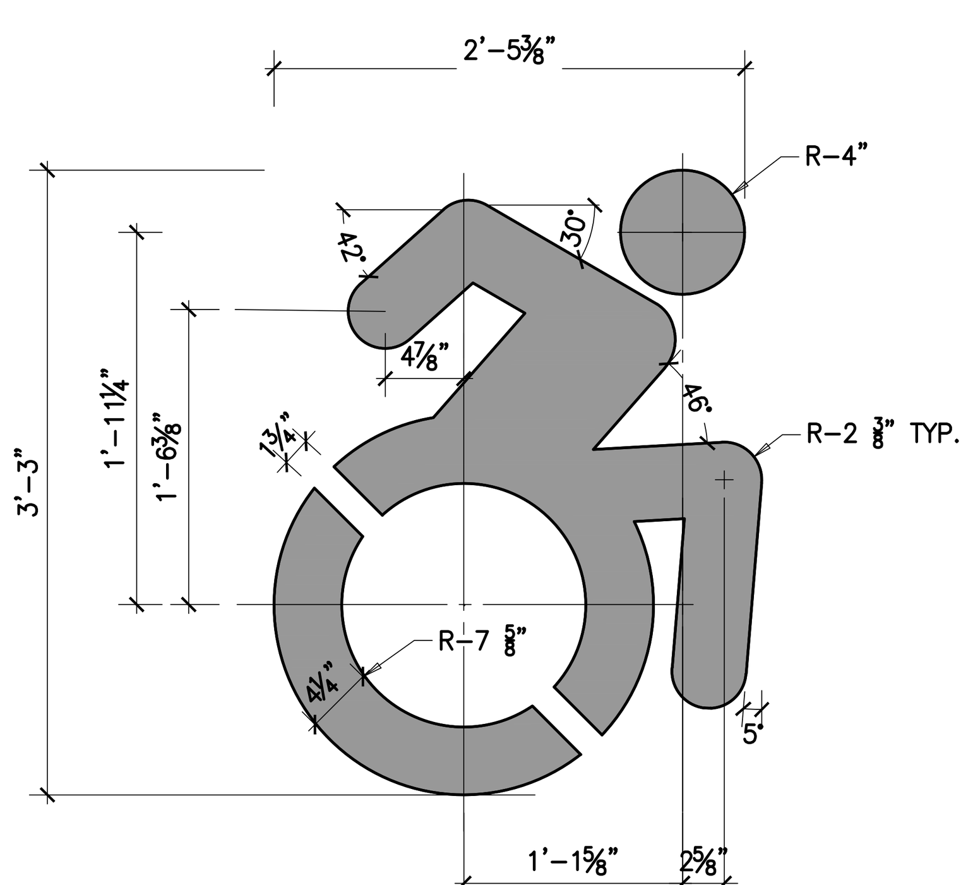
SHEET KEYNOTES

THIS DETAIL CONTAINS TYPICAL SPECIFICATIONS, CONSULT PLAN FOR ACTUAL LAYOUT.

1. PARKING AREA SHALL BE MARKED BY 4" WIDE BORDER. COLOR SHALL BE PER LOCAL AHJ REQUIREMENTS. APPLIES TO BOTH SIDES OF ACCESS AISLE AT DOUBLE PARKING STALLS*
2. ACCESS AISLE SHALL BE MARKED BY 4" WIDE BORDER. WITHIN BORDER, HATCHED LINES 36" O.C. MAX. SHALL BE PAINTED COLOR CONTRASTING WITH PARKING SURFACE PER LOCAL AHJ REQUIREMENTS.
3. ISA PAVEMENT MARKING. SEE DETAIL 5/C-501
4. ACCESSIBLE PARKING SIGN. SEE SEPARATE DETAIL 2/C-501

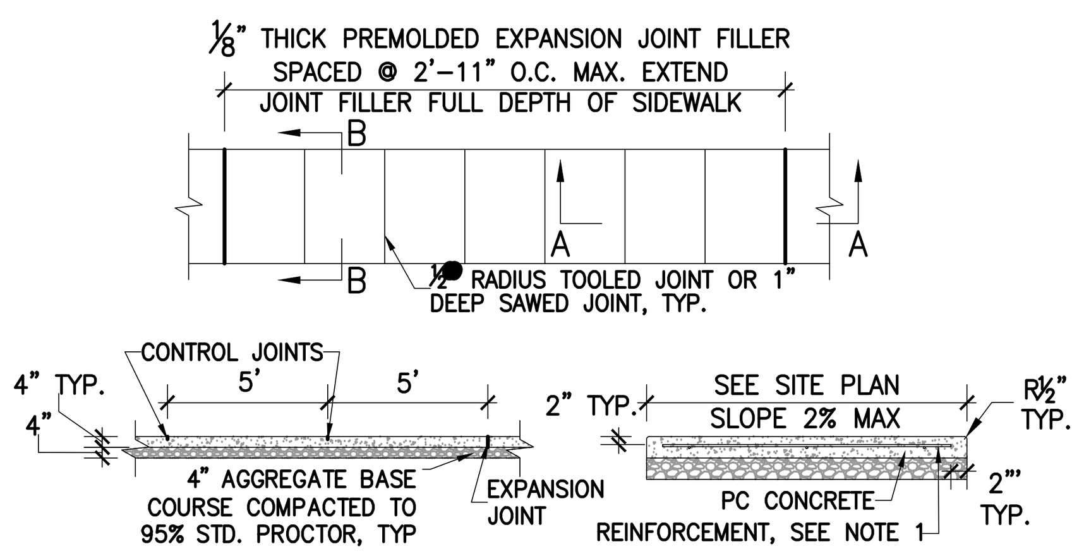
4 ACCESSIBLE PARKING STRIPING

3/16"=1'-0"



5 NYS ISA MARKING TYPICAL

1"=1'-0"



ENLARGED SECTION A-A

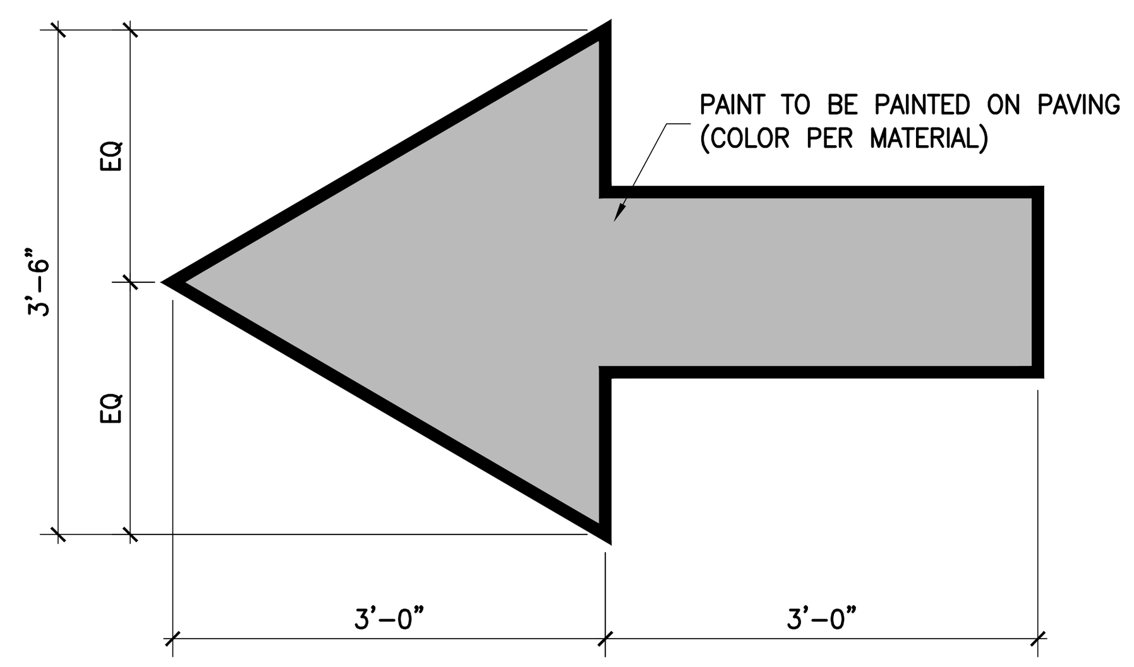
ENLARGED SECTION B-B

NOTES

1. WHERE REQUIRED REINFORCEMENT WILL BE No. 3 BARS 22" O.C. EACH WAY MAX. SPACING
2. PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS
3. USE 3%-6% AIR ENTRAINMENT.
4. CONCRETE SHALL BE 4,000 PSI.
5. SIDEWALKS MEETING EXISTING SIDEWALKS SHALL MATCH PATTERN, FINISH AND COLOR OF EXISTING SIDEWALKS.

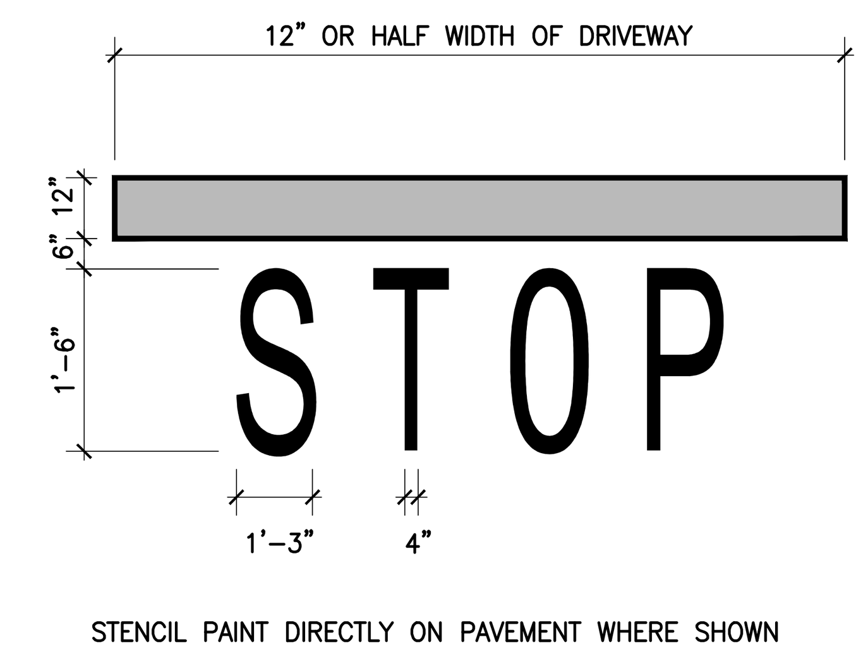
6 CONCRET SIDEWALK

1"=1'-0"



7 OPTIONAL DIRECTIONAL ARROW

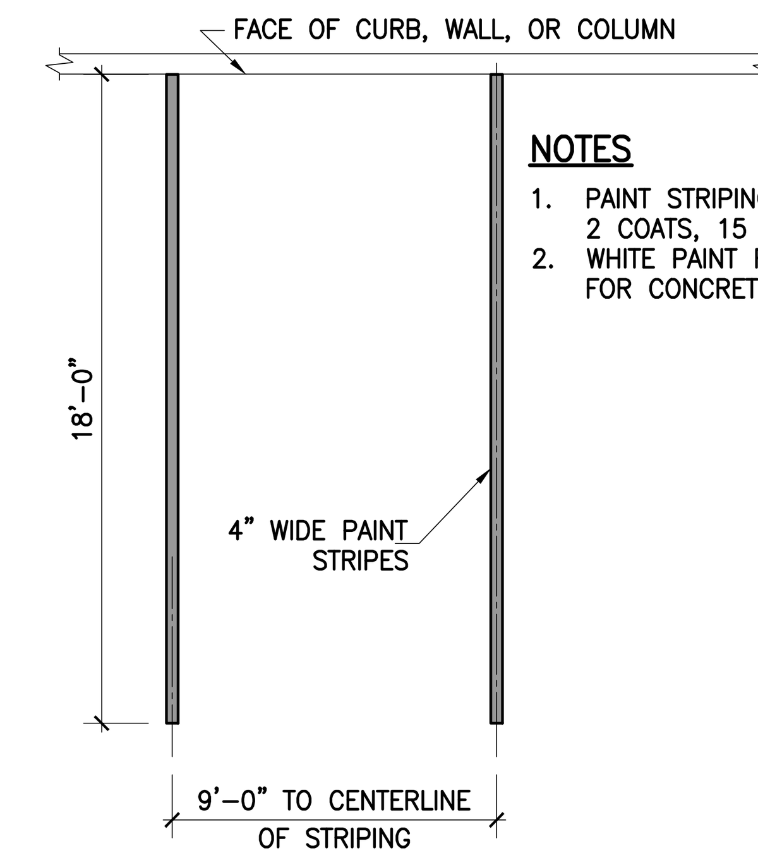
3/4"=1'-0"



STENCIL PAINT DIRECTLY ON PAVEMENT WHERE SHOWN

8 TRAFFIC STOP LIMIT LINE

3/4"=1'-0"



NOTES

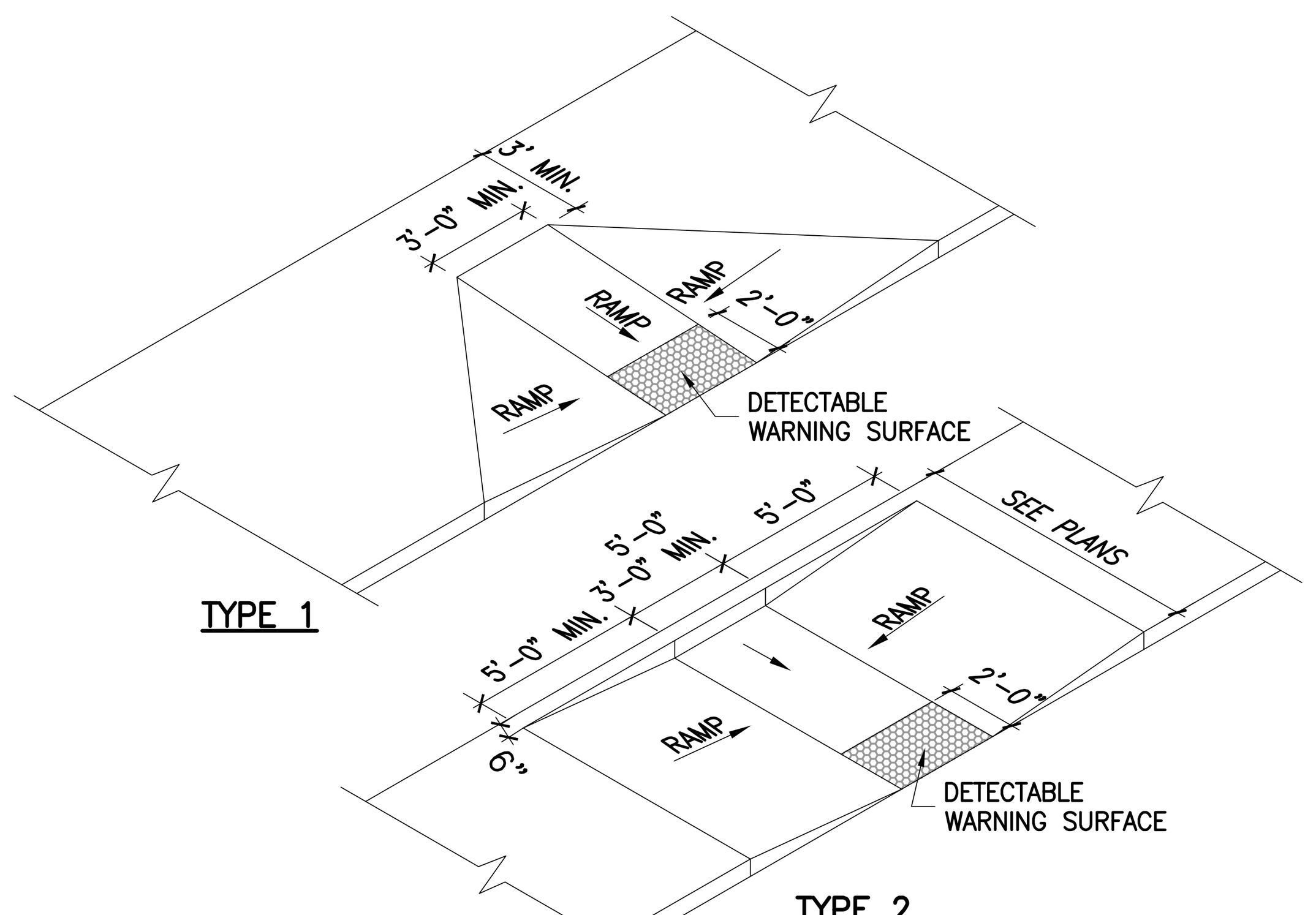
1. PAINT STRIPING WITH TRAFFIC PAINT, TYP. 2 COATS, 15 MILS THICK EACH COAT
2. WHITE PAINT FOR ASPHALT, YELLOW PAINT FOR CONCRETE.

9 PARKING STRIPING

3/16"=1'-0"

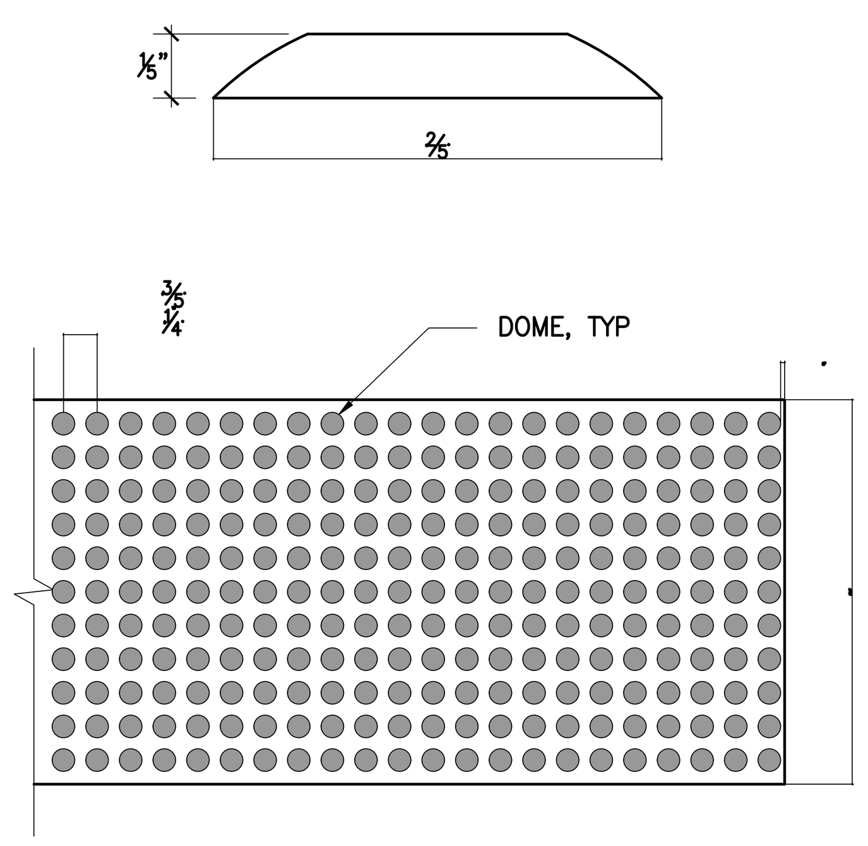
NOTES

1. THE CROSS SLOPE OF A CURB RAMP SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEED 2%.
2. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, AND GUTTERS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX).
3. THE MAXIMUM LONGITUDINAL SLOPE ON CURB RAMP IS 8.33% (5% PREFERRED).
4. WHERE A PEDESTRIAN WALKWAY CROSSES THE CURB RAMP, THE SIDE FLARES SHOULD NOT EXCEED A SLOPE OF 10% MEASURED PARALLEL TO THE CURB LINE.
5. ALL CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE AS SHOWN. THE REMAINDER OF THE RAMP SHALL HAVE A SLIP RESISTANT SURFACE - A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE.
6. THE SIZE OF THE DETECTABLE FIELD SHALL BE 2'-0" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUDING SIDE FLARES.
7. THE ROWS OF DOMES ON DETECTABLE WARNING SURFACE SHALL BE ALIGNED TO BE PERPENDICULAR TO THE GRADE BREAK BETWEEN THE CURB RAMP AND THE ROAD.
8. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, ROAD, OR WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. CONTRAST MAY BE PROVIDED ON THE FULL RAMP SURFACE BUT SHOULD NOT EXTEND TO THE FLARED SIDES.



10 CURB RAMP

3/16"=1'-0"

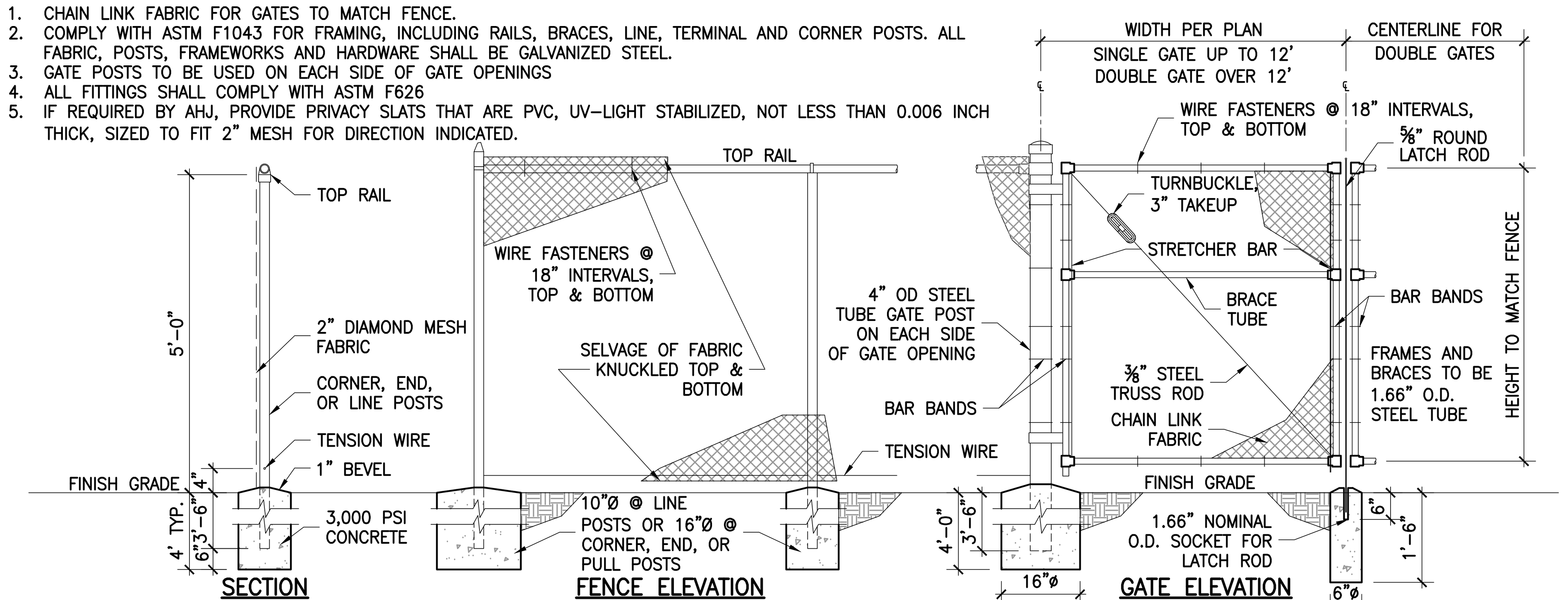


11 CURB RAMP DETECTABLE WARNING

1"=1'-0"

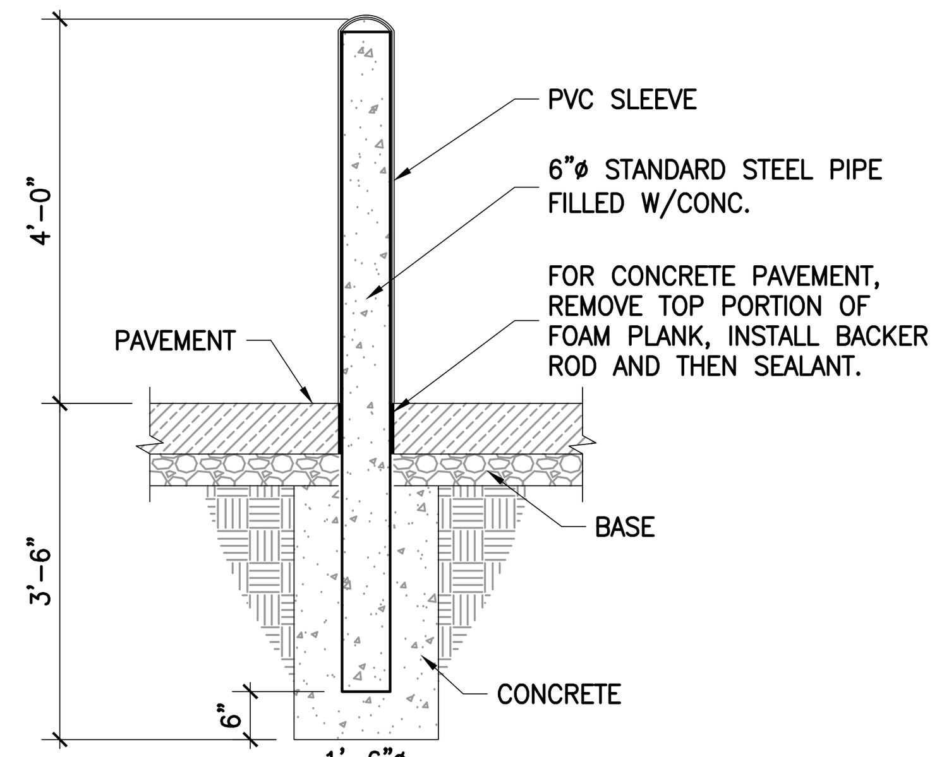
NOTES

1. CHAIN LINK FABRIC FOR GATES TO MATCH FENCE.
2. COMPLY WITH ASTM F1043 FOR FRAMING, INCLUDING RAILS, BRACES, LINE, TERMINAL AND CORNER POSTS. ALL FABRIC, POSTS, FRAMEWORKS AND HARDWARE SHALL BE GALVANIZED STEEL.
3. GATE POSTS TO BE USED ON EACH SIDE OF GATE OPENINGS
4. ALL FITTINGS SHALL COMPLY WITH ASTM F626
5. IF REQUIRED BY AHJ, PROVIDE PRIVACY SLATS THAT ARE PVC, UV-LIGHT STABILIZED, NOT LESS THAN 0.006 INCH THICK, SIZED TO FIT 2" MESH FOR DIRECTION INDICATED.



12 CHAIN LINK FENCE AND GATE

1/2"=1'-0"

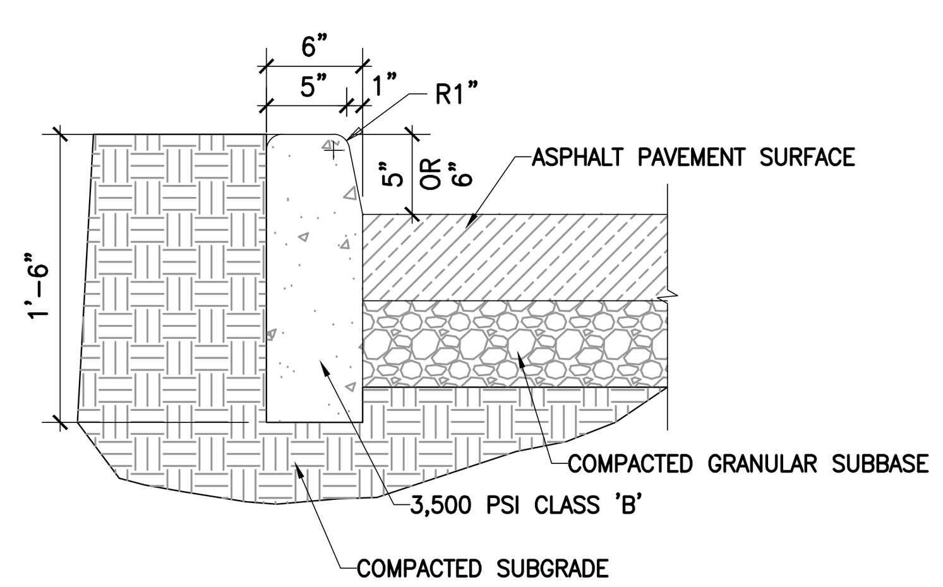


NOTES

1. STEEL PIPE SHALL BE STANDARD-WEIGHT STEEL PIPE COMPLYING WITH ASTM A53/A53M OR STAINLESS STEEL SCHEDULE 40 COMPLYING WITH ASTM A312/A312M.
2. CONCRETE SHALL BE 3,000 PSI
3. ISOLATION JOINTS AROUND CONCRETE FOOTER.

13 BOLLARD

1/2"=1'-0"

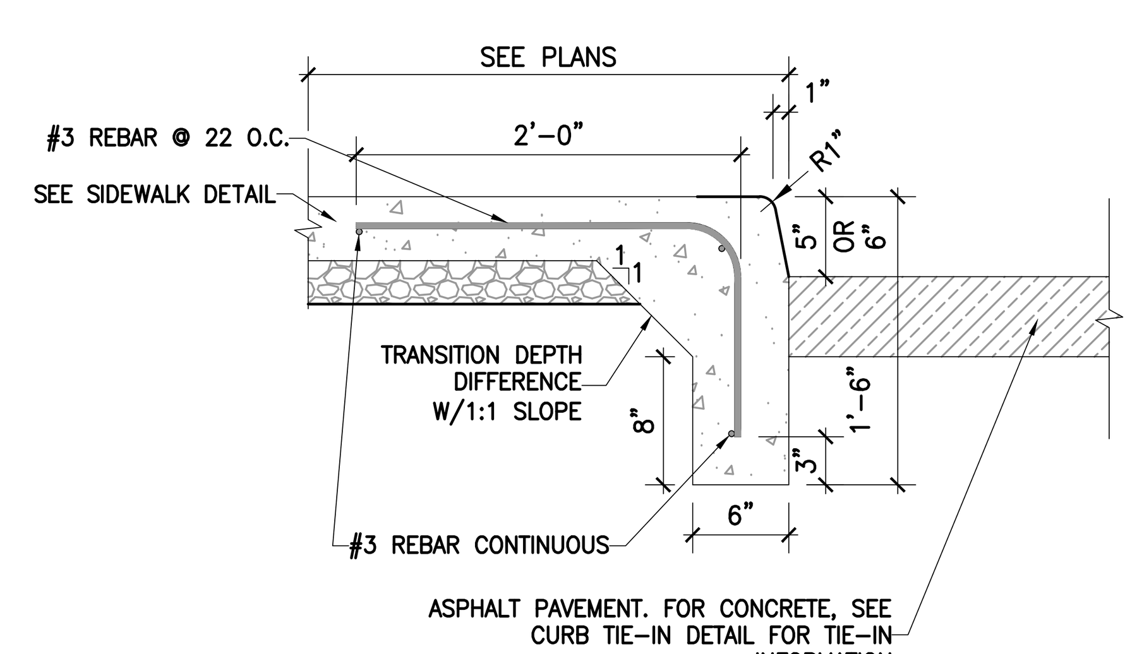


NOTES

1. CONTRACTION JOINTS ½" WIDE SHALL BE INSTALLED IN THE CURB IN INTERVALS OF 10 FEET AND SHALL BE FILLED WITH PREFORMED BITUMINOUS JOINT FILLER.
2. ALL CURBS SHALL BE INSTALLED ON AN APPROVED, COMPACTED SUBGRADE. WHERE DIRECTED BY THE ENGINEER.
3. USE 3%-6% AIR ENTRAINMENT.
4. ISOLATION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS.

14 VERTICAL CONCRETE CURB

1"=1'-0"



15 INTEGRAL CONCRETE CURB AND SIDEWALK

1"=1'-0"

CIVIL ENGINEER

GPI Engineering Design Planning Construction Management
518.453.9431 GPINET.COM
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 300
Albany, NY 12205

STATE OF NEW YORK · GREENMAN-PEDERSEN INC. · No. 131 · LICENSED PROFESSIONAL ENGINEER

CONSULTANT:

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MARK:	DATE:	DESCRIPTION:
-	20 OCT 22	GPI CONCEPT FOR REVIEW
-	16 NOV 22	CONCEPT FOR RELEASE

OWNER:

JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:

NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

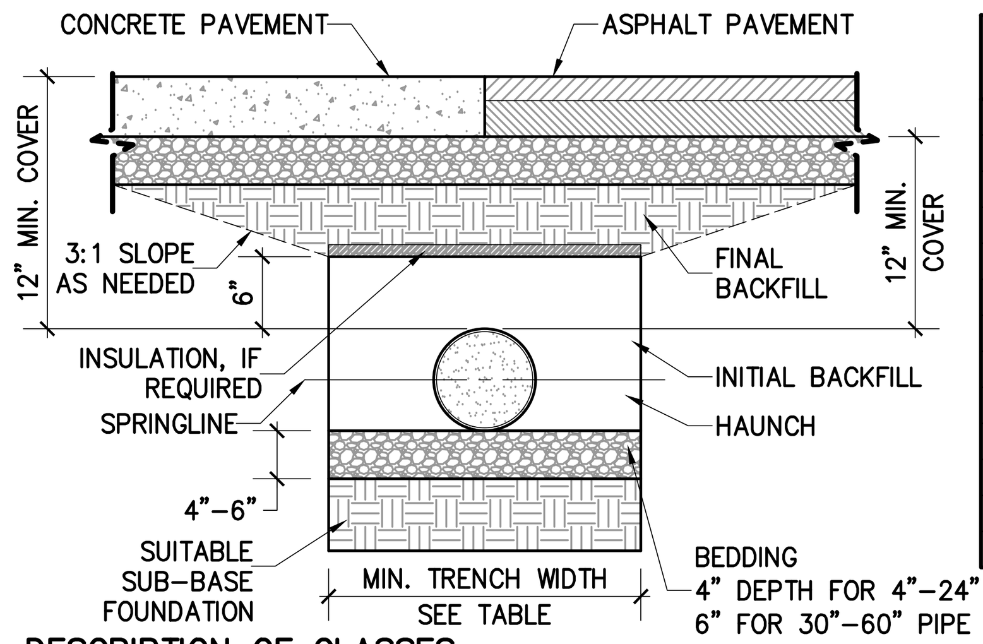
SHEET TITLE:

SITE DETAILS

PROJECT No. 37035

SHEET No. C-501

PLOT DATE: 21 Nov 22 PLOTTED BY: Andy LoPolt V
DIMSCALE: 1.0000 DSGN\DRFT:
FILE PATH: E:\2022\2200152.00 Newburgh Civil Design JWCS\CAD\01 CIVIL\USA37035_C-501_Site_Details.dwg



RECOMMENDED MIN TRENCH WIDTHS

PIPE ø	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"

DESCRIPTION OF CLASSES:

CLASS I – ANGULAR CRUSHED STONE OR ROCK, DENSE OR OPEN GRADED WITH LITTLE OR NO FINES (¼" TO 1½" IN SIZE).

CLASS II – CLEAN, COARSE-GRAINED MATERIAL, SUCH AS GRAVEL, COARSE SANDS AND GRAVEL/SAND MIXTURES (1½" MAXIMUM IN SIZE).

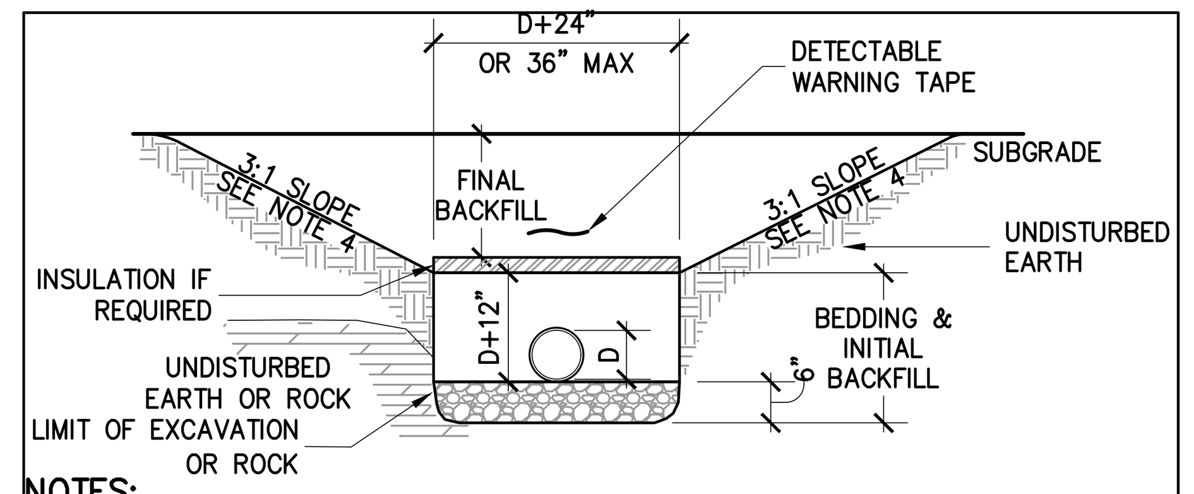
CLASS III – COARSE GRAINED MATERIAL WITH FINES INCLUDING SILTY OR CLAYEY GRAVELS OR SANDS. GRAVEL OR SAND MUST COMPRISE MORE THAN 50% OF THE CLASS III MATERIAL (1½" MAXIMUM SIZE).

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED. SLOPING THE SIDES OF THE TRENCH AT 3:1 SHOULD BE PERFORMED WHEN NECESSARY TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4"–24"; 6" FOR 30"–60".
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. FINAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III UNDER ALL SIDEWALK, PARKING AND PAVED AREAS. PLACE IN LOOSE LIFTS NOT TO EXCEED 8" AND MECHANICALLY COMPACT TO A DENSITY OF AT LEAST 98 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D698.

1 SEWER PIPE TRENCH

3/4"=1'-0"

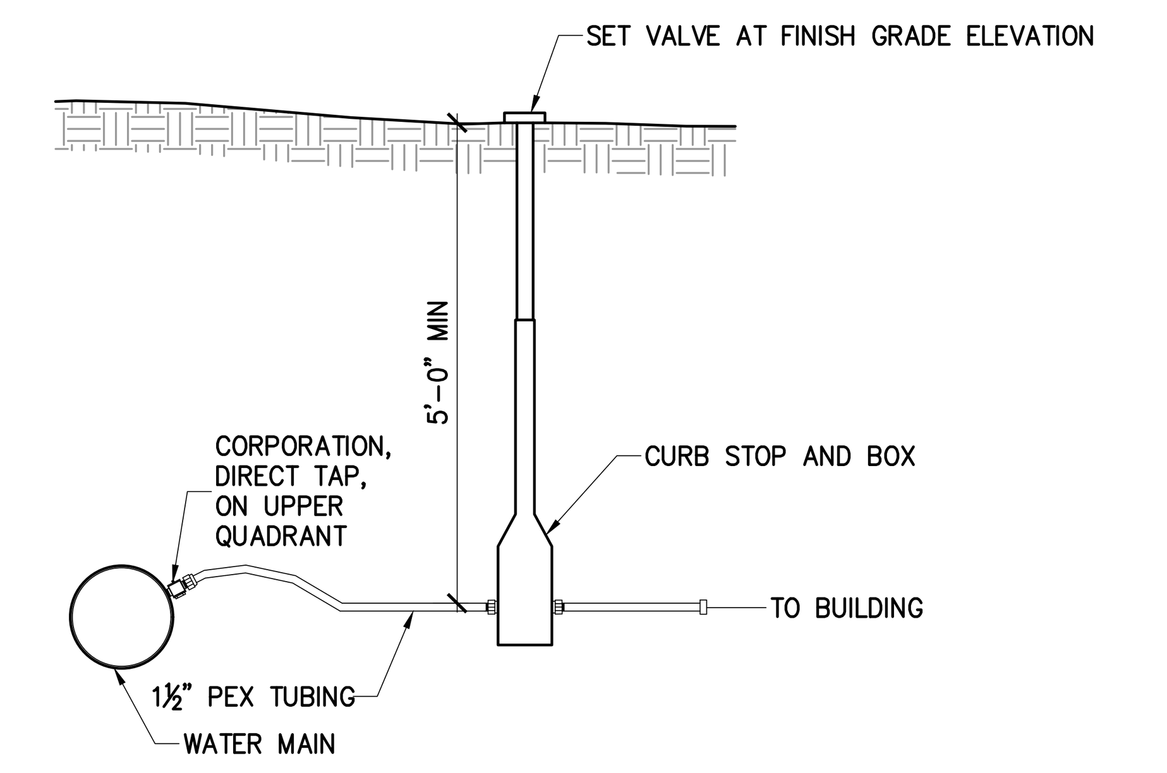


NOTES:

1. FINAL BACKFILL SHALL BE:
2. "SATISFACTORY SOIL" COMPACTED TO 95% MAX DRY DENSITY UNDER ROADS & PATHS OR 90% IN OTHER LOCATIONS.
3. MINIMUM DEPTH OF BURY FOR LINES FROM TOP OF PIPE IS EITHER 6" BELOW FROST DEPTH (UNLESS INSULATION IS SPECIFIED) OR 24" TO FINISH GRADE, WHICHEVER IS GREATER.
4. WHERE INSULATION IS REQUIRED, PLACE 6" CLEAN COARSE SAND OVER INSULATION BOARD.
5. UNDER ALL SIDEWALK, PARKING, AND PAVED AREAS, FINAL BACKFILL MATERIAL SHALL RETURN TO SUBGRADE AT 3:1 SLOPE.
6. DETECTABLE WARNING TAPE SHALL BE A (2" TO 12" WIDTH – DEPENDS ON UTILITY SIZE), DETECTABLE WARNING TAPE WITH A MINIMUM 5.0 MIL OVERALL THICKNESS. TAPE SHALL MEET THE APWA COLOR-CODED STANDARD FOR IDENTIFICATION OF BURIED UTILITIES.

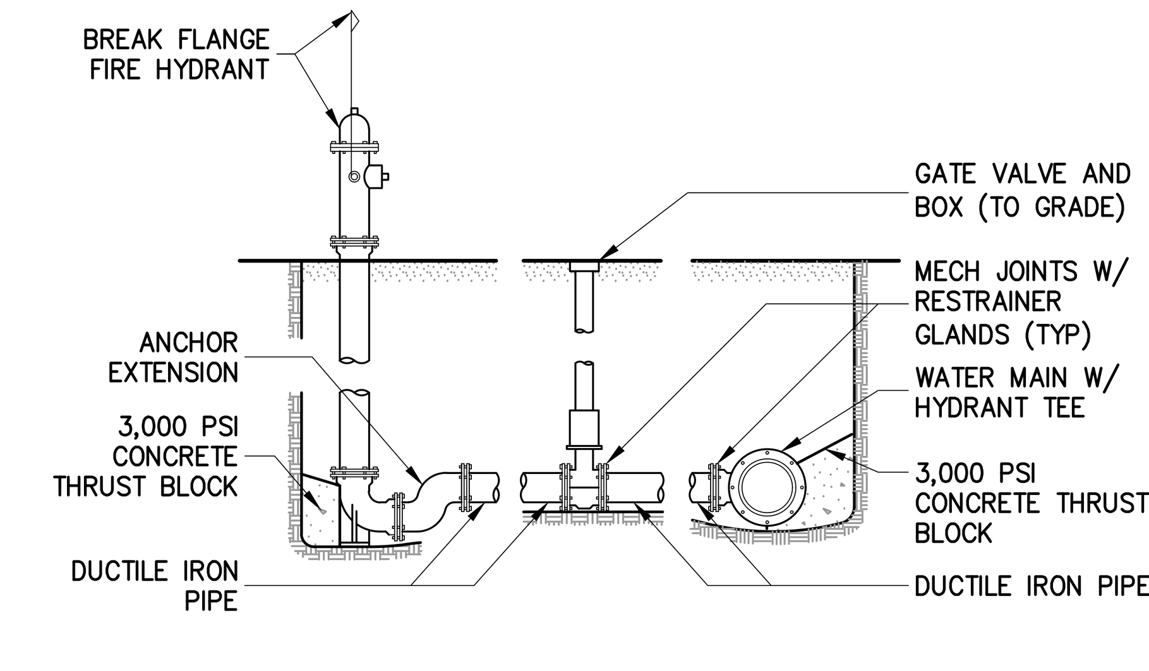
2 PRESSURIZED PIPE TRENCH

1/2"=1'-0"



3 WATER SERVICE CONNECTION

1/2"=1'-0"

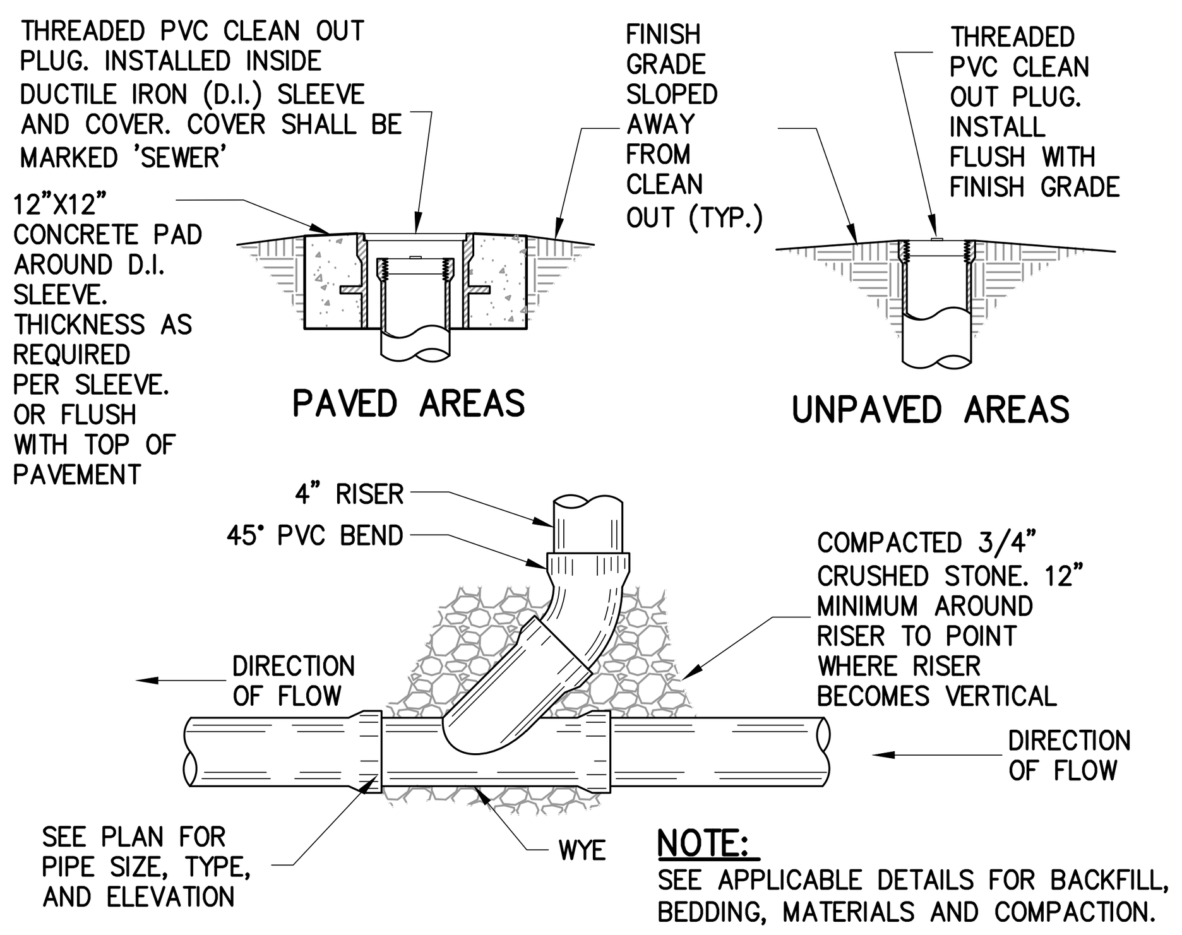


NOTE:

1. CONFIRM HYDRANT SPECIFICATIONS WITH LOCAL FIRE DEPARTMENT OR WATER COMPANY

4 WATER SERVICE CONNECTION

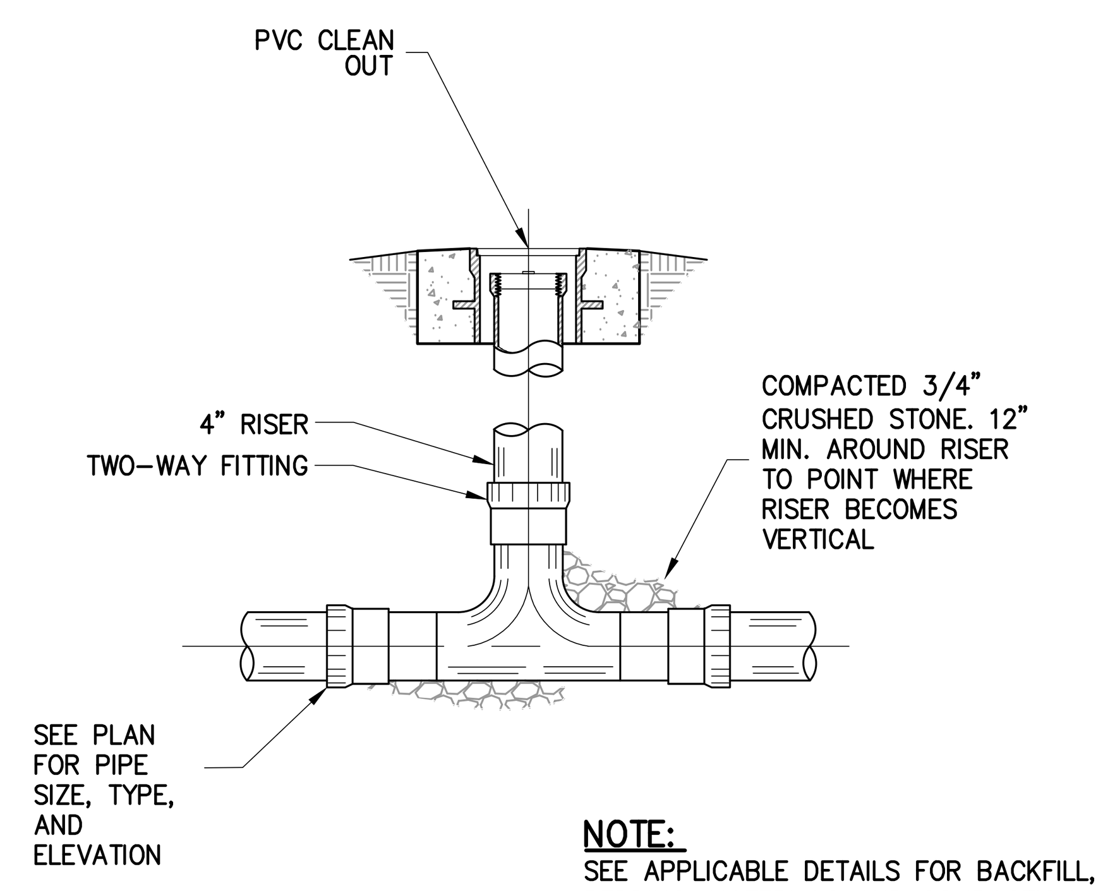
3/16"=1'-0"



NOTE: SEE APPLICABLE DETAILS FOR BACKFILL, BEDDING, MATERIALS AND COMPACTION.

5 SEWER CLEANOUT

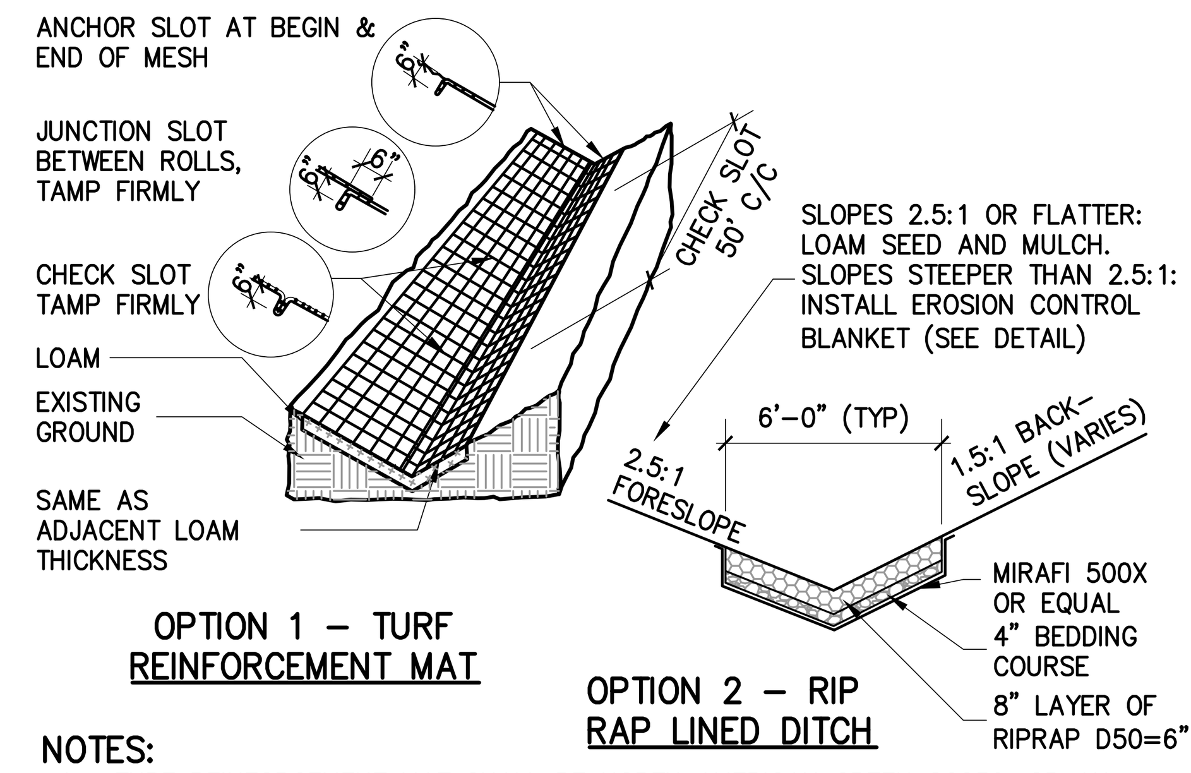
3/4"=1'-0"



NOTE: SEE APPLICABLE DETAILS FOR BACKFILL, BEDDING, MATERIALS AND COMPACTION.

6 SEWER CLEANOUT DUAL

3/4"=1'-0"

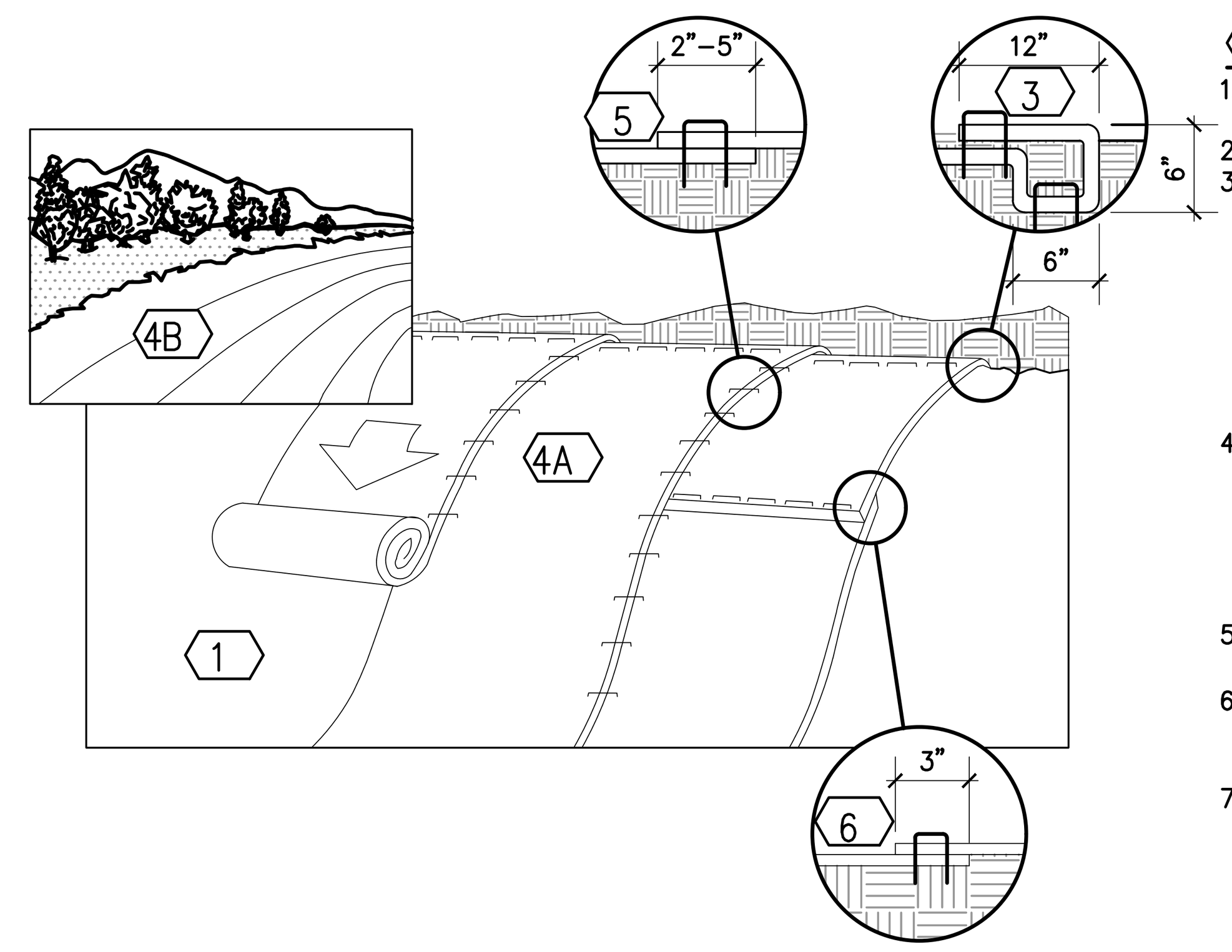


NOTES:

1. TURF REINFORCEMENT MAT SHALL BE NORTH AMERICAN GREEN SC250, OR AN APPROVED EQUAL BE THE PROJECT ENGINEER.
2. SEE MANUFACTURERS INSTALLATION GUIDELINES AND SPECIFICATIONS FOR ANCHORING AND STAPLING DETAILS.
3. EITHER OPTION IS ACCEPTABLE WHERE DITCH PROTECTION IS CALLED FOR ON THE PLANS. OPTION CHOSEN SHALL BE CONSISTENT FOR ENTIRE PROJECT.

7 DITCH/SWALE STABILIZATION

3/16"=1'-0"

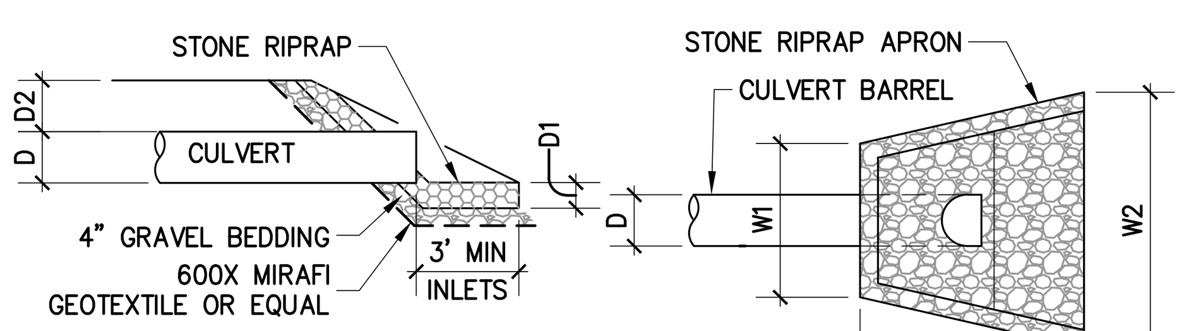


SHEET KEYNOTES

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S) INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. RECP SHALL BE NORTHAMERICAN GREEN S75 OR APPROVED EQUAL.
3. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP x 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UPSLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S.
4. ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHALL BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
5. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" – 5" OVERLAP DEPENDING ON THE RECP'S TYPE.
6. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP'S WIDTH.
7. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTH GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

8 EROSION CONTROL BANK STABILIZATION

3/16"=1'-0"



D	D1	D2 INLET	D2 OUTLET
8"	9"	24"	12"
12"	9"	24"	12"
15"	9"	24"	12"
18"	14"	24"	12"
36"	14"	24"	12"

SECTION

D	W1	W2	L	D50
8"	4'	14'	10'	4"
12"	4'	14'	10'	4"
15"	4'	14'	10'	4"
18"	5'	15'	10'	6"
36"	12'	12'	12'	6"

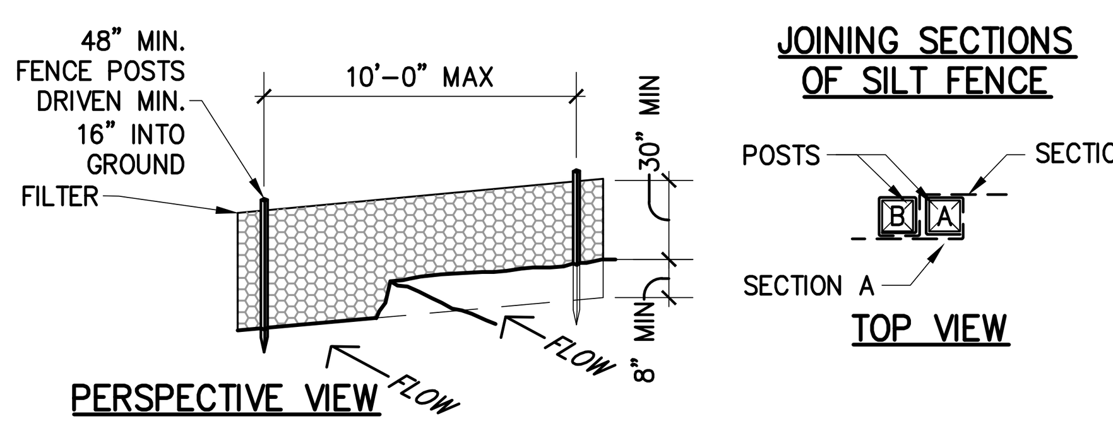
CULVERT OUTLET DETAIL PLAN VIEW

NOTES:

1. THE RIPRAP APRON SHALL BE CONSTRUCTED WITH NO CROSS SLOPE ALONG ITS LENGTH

9 RIP RAP APRON

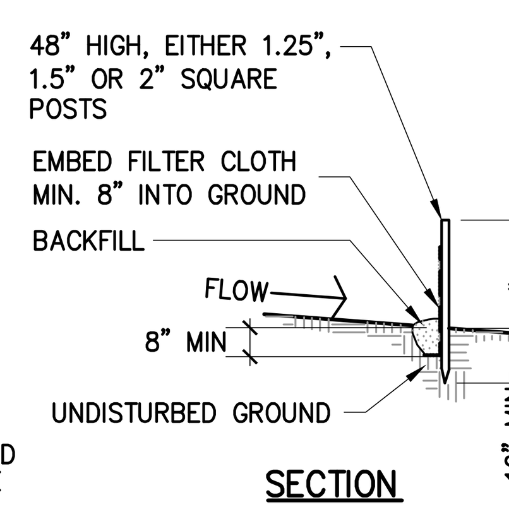
3/16"=1'-0"



FABRICATED SILT FENCE CONSTRUCTION NOTES

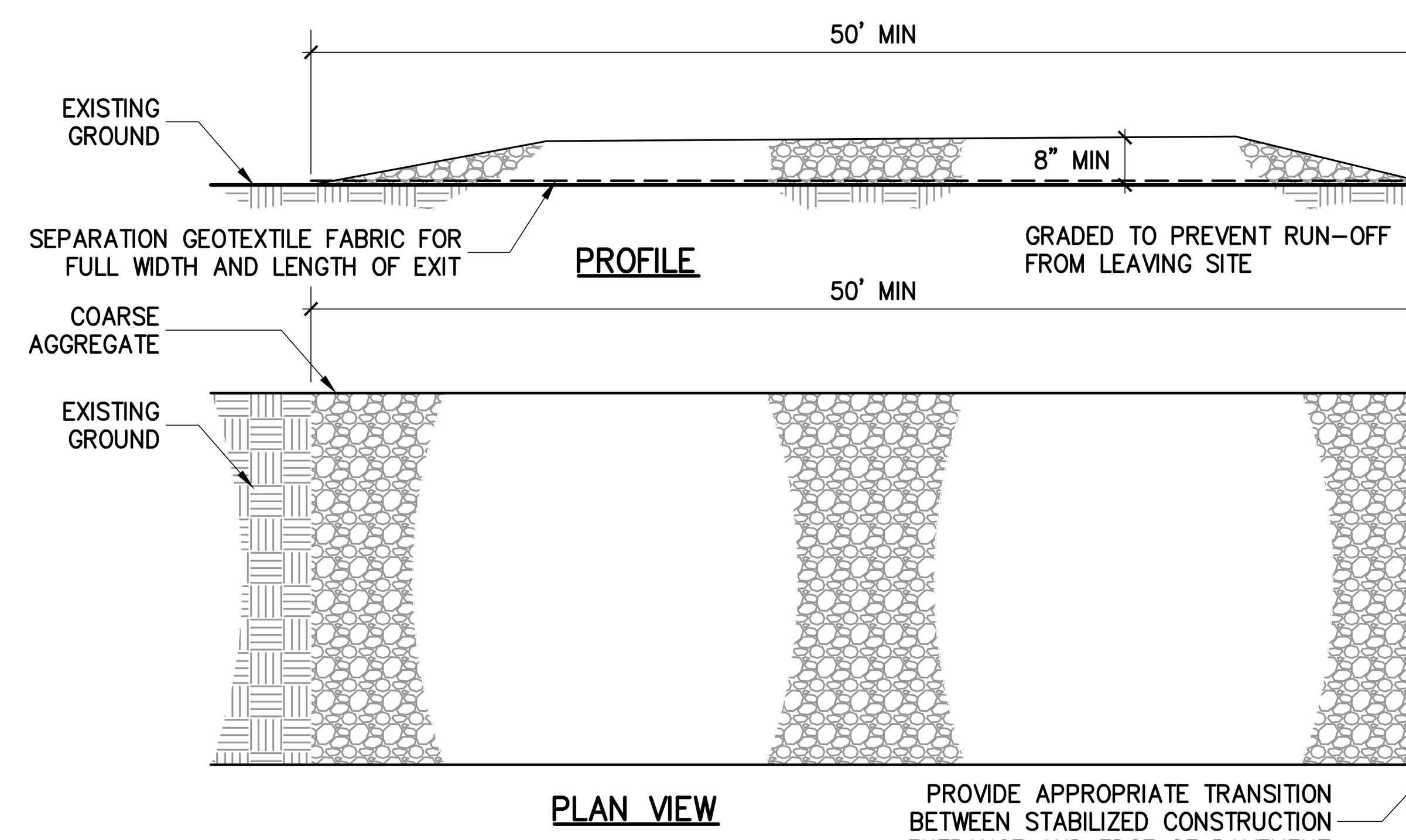
1. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE
2. SILT FENCE WILL BE DGI INDUSTRIES SILT FENCE, OR OTHER PRE-APPROVED SILT FENCE MEETING AASHTO M-288 AND MEETING ASTM D4491

NOTE: IT IS PREFERRED THAT MULCH BERMS CREATED FROM STUMP GRINDINGS OR COIR WATTLES BE USED INSTEAD OF SILT FENCE WHERE APPROPRIATE.



10 SILT FENCE

3/16"=1'-0"

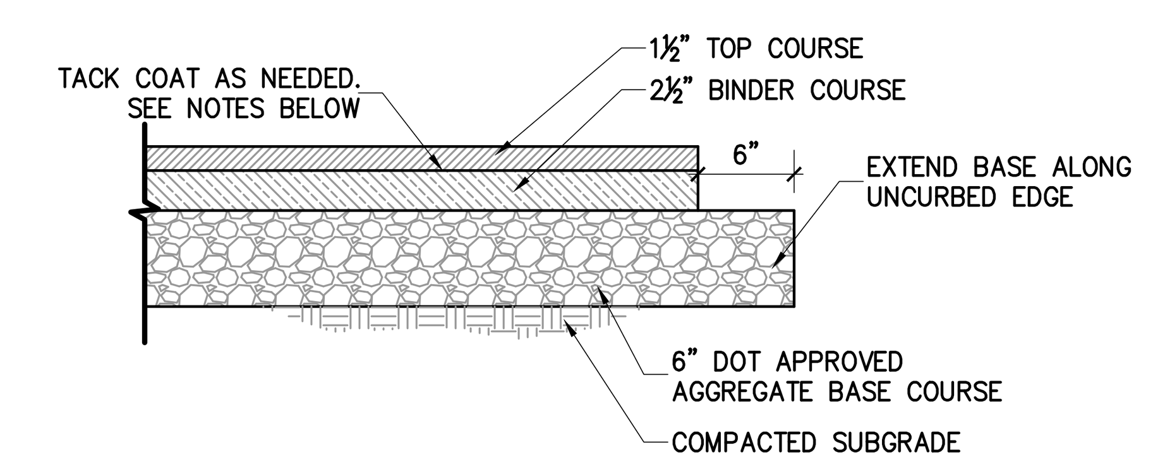


CONSTRUCTION ENTRANCE/EXIT NOTES:

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
6. STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.
7. CONTRACTOR SHALL COORDINATE LOCATION WITH AGENCIES.
8. STONE SIZE – AASHTO DESIGNATION M43, SIZE NO. 2 (2½" TO 1½"). USE CRUSHED STONE.
9. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND /OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

11 STABILIZED CONSTRUCTION ENTRANCE

3/16"=1'-0"



12 ASPHALT PAVEMENT

1"=1'-0"

NOTES:

1. A PRE-INSTALLATION CONFERENCE SHOULD BE HELD AT THE PROJECT SITE TO REVIEW METHODS AND PROCEDURES RELATED TO HOT-MIX ASPHALT PAVING INCLUDING BUT NOT LIMITED TO:
   a. REVIEW PROPOSED SOURCES OF PAVING MATERIALS, INCLUDING CAPABILITIES AND LOCATION OF PLANT THAT WILL MANUFACTURE HOT-MIX ASPHALT.
   b. REVIEW REQUIREMENT FOR PROTECTING PAVING WORK, INCLUDING RESTRICTION OF TRAFFIC DURING INSTALLATION PERIOD AND FOR REMAINDER OF CONSTRUCTION PERIOD.
2. SUBMIT PRODUCT SUBMITTALS FOR EACH TYPE OF PRODUCT. INCLUDE TECHNICAL DATA AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES. INCLUDE JOB MIX DESIGN FOR EACH JOB MIX PROPOSED FOR THE PROJECT
3. ENVIRONMENTAL LIMITATIONS: DO NOT APPLY ASPHALT MATERIALS IF SUBGRADE IS WET OR EXCESSIVELY DAMP, IF RAIN IS IMMINENT OR EXPECTED BEFORE TIME REQUIRED FOR ADEQUATE CURE, OR IF THE FOLLOWING CONDITIONS ARE MET:
   a. TACK COAT: MINIMUM SURFACE TEMPERATURE OF 40 DEG F (4.4 DEG C)
   b. ASPHALT BASE COURSE: MINIMUM SURFACE TEMPERATURE OF 50 DEG F (10 DEG C) AND RISING AT TIME OF PLACEMENT
   c. ASPHALT SURFACE COURSE: MINIMUM SURFACE TEMPERATURE OF 50 DEG F (10 DEG C) AT TIME OF PLACEMENT
4. AGGREGATES – USE MATERIALS AND GRADATIONS THAT HAVE PERFORMED SATISFACTORILY IN PREVIOUS INSTALLATIONS. AGGREGATES USED SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   a. COURSE AGGREGATE: ASTM D692/D692M, SOUND; ANGULAR, CRUSHED STONE, CRUSHED GRAVEL, OR CURED, CRUSHED BLAST-FURNACE SLAG
   b. FINE AGGREGATE: ASTM D1073, SHARP-EDGED NATURAL SAND OR SAND PREPARED FROM STONE, GRAVEL, CURED BLAST-FURNACED SLAG, OR COMBINATIONS THEREOF.
   c. MINERAL FILLER: ASTM D242/D242M, ROCK OR SLAG DUST, HYDRAULIC CEMENT OR OTHER INERT MATERIAL.
5. ASPHALT MATERIALS – ASPHALT MATERIALS USED SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   a. ASPHALT BINDER: AASHTO M320, [PG 64-22] [PG 58-28] [PG 70-22]
   b. ASPHALT CEMENT: ASTM D3381/D3381M FOR VISCOSITY-GRADED MATERIAL.
   c. TACK COAT: ASTM D977, EMULSIFIED ASPHALT, SLOW SETTING, DILUTED IN WATER, OF SUITABLE GRADE AND CONSISTENCY FOR APPLICATION.
6. AUXILIARY MATERIALS
   AUXILIARY MATERIALS USED SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   a. HERBICIDE: COMMERCIAL CHEMICAL FOR WEED CONTROL, REGISTERED BY THE EPA, AND NOT CLASSIFIED AS "RESTRICTED USE" FOR LOCATIONS AND CONDITIONS OF APPLICATION. PROVIDE IN GRANULAR, LIQUID, OR WETTABLE POWDER FORM.
   b. SAND: ASTM D1073, GRADE NO. 2 OR NO. 3
   c. PAVING GEOTEXTILE: AASHTO M288 PAVING FABRIC; NONWOVEN POLYPROPYLENE; RESISTANT TO CHEMICAL ATTACH, ROT, MILDEW; AND SPECIFICALLY DESIGNED FOR PAVING APPLICATIONS.
   d. JOINT SEALANT: ASTM D6690, TYPE I, TYPE II OR III, OR TYPE IV AS APPROPRIATE FOR THE LOCAL CLIMATE WHERE THE PROJECT IS LOCATED, HOT-APPLIED, SINGLE-COMPONENT, POLYMER-MODIFIED BITUMINOUS SEALANT.
7. PAVING MIXES
   PAVING MIXES USED SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   a. PROVIDE MIXES WITH A HISTORY OF SATISFACTORY PERFORMANCE IN GEOGRAPHICAL AREA WHERE THE PROJECT IS LOCATED.
   b. BASE COURSE: HMA 12MM
   c. SURFACE COURSE: HMA 9.5MM
8. EXECUTION
   a. VERIFY THAT SUBGRADE IS DRY AND IN SUITABLE CONDITION TO BEGIN PAVING. PROCEED WITH PAVING ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROVIDE MIXES WITH A HISTORY OF SATISFACTORY PERFORMANCE IN GEOGRAPHICAL AREA WHERE THE PROJECT IS LOCATED.
   b. APPLY HERBICIDE ACCORDING TO MANUFACTURER'S RECOMMENDED RATES AND WRITTEN APPLICATION INSTRUCTIONS. APPLY TO DRY, PREPARED SUBGRADE OR SURFACE OF COMPACTED-AGGREGATE BASE BEFORE APPLYING PAVING MATERIALS.
   c. TACK COAT: APPLY UNIFORMLY TO SURFACES OF EXISTING PAVEMENT AT A RATE OF 0.05 TO 0.15 GAL/SQ. YD. (0.2 TO 0.7 L/SQ. M). ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES. A TACK COAT IS NOT NEEDED IF SURFACE COURSE IS APPLIED OVER BASE ASPHALT COURSE WITHIN 24 HRS.
   d. WHEN PLACING HOT-MIX ASPHALT, SPREAD MIX AT A MINIMUM TEMPERATURE OF 250 DEG F (121 DEG C).
   e. CONSTRUCT JOINTS TO ENSURE A CONTINUOUS BOND ADJOINING PAVING SECTIONS. CONSTRUCT JOINTS FREE OF DEPRESSIONS, WITH SAME TEXTURE AND SMOOTHNESS AS OTHER SECTIONS OF HOT-MIX ASPHALT COURSE.
   f. CLEAN CONTACT SURFACES AND APPLY TACK COAT TO JOINTS.
   g. OFFSET LONGITUDINAL JOINTS, IN SUCCESSIVE COURSES, A MINIMUM OF 6 INCHES (150 MM).
   h. OFFSET TRANSVERSE JOINTS, IN SUCCESSIVE COURSES, A MINIMUM OF 24 INCHES (600 MM).
   i. CONSTRUCT TRANSVERSE JOINTS AT EACH POINT WHERE PAVER ENDS A DAY'S WORK AND RESUMES WORK AT A SUBSEQUENT TIME. CONSTRUCT THESE JOINTS USING EITHER "BULKHEAD" OR "TAPERED" METHOD ACCORDING TO AI MS-22, FOR BOTH "ENDING A LANE" AND "RESUMPTIONS OF PAVING OPERATIONS".
9. COMPACTION
   a. REFER TO SUBGRADE PREPARATION NOTES ON THE PLANS OR IN THE GEOTECHNICAL REPORT FOR SUBGRADE COMPACTION SPECIFICATIONS.
   b. COMPACT HOT-MIX PAVING WITH HOT, HAND TAMPERS OR WITH VIBRATORY-PLATE COMPACTORS IN AREAS INACCESSIBLE TO ROLLERS.
   c. COMPLETE COMPACTION BEFORE MIX TEMPERATURE COOLS TO 185 DEG F (85 DEG C).
   d. ROLLING SHOULD CONTINUE UNTIL HOT-MIX ASPHALT COURSE HAS BEEN UNIFORMLY COMPACTED TO THE FOLLOWING DENSITY:
   e. AVERAGE DENSITY: 96 PERCENT OF REFERENCE LABORATORY DENSITY ACCORDING TO ASTM D6927, BUT NOT LESS THAN 94 PERCENT OR GREATER THAN 100 PERCENT.
   f. AVERAGE DENSITY: 92 PERCENT OF REFERENCE MAXIMUM THEORETICAL DENSITY ACCORDING TO ASTM D2041, BUT NOT LESS THAN 90 PERCENT OR GREATER THAN 96 PERCENT.
   g. FIELD DENSITY OF IN-PLACE COMPACTED PAVEMENT SHALL BE DETERMINED BY NUCLEAR METHOD ACCORDING TO ASTM D 2041.
   h. AFTER FINAL ROLLING, DO NOT PERMIT VEHICULAR TRAFFIC ON PAVEMENT UNTIL IT HAS COOLED OR HARDENED. PAVEMENT TEMPERATURE TO BE CHECKED BY OUTSOURCED PAVEMENT QUALITY CONTROL INSPECTOR USING PAVEMENT THERMOMETER.
10. INSTALLATION TOLERANCES
   a. PAVEMENT THICKNESSES SHOULD FOLLOW:
   b. BASE COURSE SHOULD BE INSTALLED PLUS OR MINUS 1/2 INCH (13 MM).
   c. SURFACE COURSE SHOULD BE INSTALLED PLUS ¼ INCH (6 MM), NO MINUS.
   d. SMOOTHNESS SHOULD BE CONFIRMED USING A 10-FOOT (3M) STRAIGHTEDGE APPLIED TRANSVERSELY OR LONGITUDINALLY TO PAVED AREAS:
   e. SUBGRADE SHOULD BE INSTALLED PLUS OR MINUS 1/2 INCH (13 MM).
   f. AGGREGATE BASE SHOULD BE INSTALLED PLUS OR MINUS 3/8 INCH (10 MM).
   g. BASE COURSE SHOULD BE INSTALLED PLUS OR MINUS 1/4 INCH (6 MM).
   h. SURFACE COURSE SHOULD BE INSTALLED PLUS OR MINUS 1/8 INCH (3 MM).

1"=1'-0"

CONSULTANT:

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SITE DETAILS & NOTES

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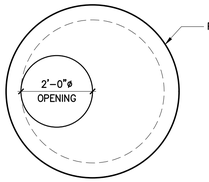
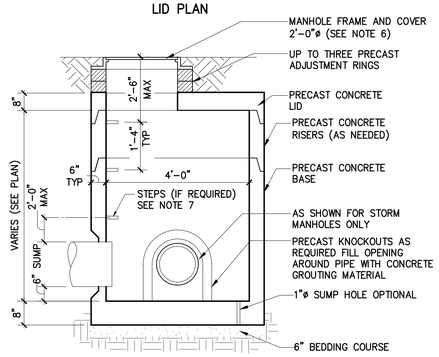
PLOT DATE: 21 Nov 22 PLOTTED BY: Andy LaPolt V
DIMSCALE: 12.0000 DSGN\DRFT:
FILE PATH: E:\2022\2200152.00 Newburgh Civil Design JWCS\CADD\01 CIVIL\USA37035_C-502_Site_Details.dwg

NOTES:
1. INLET PIPES ARE NOT TO EXTEND MORE THAN 3" INTO MANHOLE. OUTLET PIPES ARE TO BE FLUSH AND ALL EDGES SMOOTH WITH MANHOLE WALL.
2. MINIMUM SLOPE OF FLOW CHANNEL INVERT FROM INLET TO OUTLET IS 2% UNLESS NOTED OTHERWISE.
3. REINFORCEMENT SHALL BE FOR H20/ASTM C857 LOADING.
4. USE 4000+ PSI PRECASE CONCRETE.
5. IF STRUCTURE EXTENDS BELOW WATER TABLE, ADD WEEP HOLES TO RELIEVE WATER PRESSURE.
6. INSTALL HEAVY DUTY MANHOLE FRAME AND COVER.
7. STEPS ARE REQUIRED FOR STRUCTURES DEEPER THAN 4 FEET.
8. PRECASE MANHOLES SHALL COMPLY WITH ASTM C478 WITH RUBBER GASKETS MEETING ASTM A433 AND STEPS MEETING ASTM C497. IF SQUARE PRECAST BOXED IS USED, IT SHALL MEET ASTM C913.



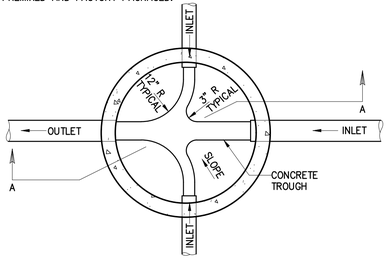
LID PLAN



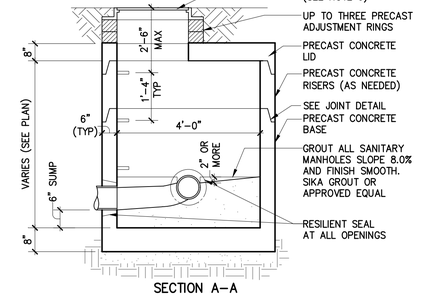
SECTION

1 STORM DRAIN MANHOLE

NOTES:
1. TROUGHS WITHIN MANHOLE ARE TO BE FULLY ACCESSIBLE
2. THE MINIMUM DROP IN A 90° BEND IS 3".
3. SANITARY MANHOLES SHALL MEET ASTM C478 WITH RUBBER GASKETS MEETING ASTM A433 AND STEPS MEETING ASTM C497. SANITARY MANHOLES SHALL BE COATED WITH 10 MILS OF BITUMASTIC, SEALING THE INTERIOR AND EXTERIOR.
4. GROUT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: ASTM C 1107, GRADE B, NON-SHRINK, NON-METALLIC, NON-STAIN, NON-RUST, LOW BLEED, LOW HEAT BUILD-UP, NON-CORROSIVE, DOES NOT CONTAIN CHLORIDES, SUPERIOR FREEZE/THAW RESISTANCE, RESISTANT TO OIL AND WATER, SHOWS POSITIVE EXPANSION WHEN TESTED IN ACCORDANCE WITH ASTM C-827; DRY HYDRAULIC-CEMENT GROUT; POST HARDENING, VOLUME ADJUSTING, NONGASEOUS, RECOMMENDED FOR INTERIOR AND EXTERIOR APPLICATIONS; 5000-PSI (34.5-MPa), 28-DAY COMPRESSIVE STRENGTH; PREMIXED AND FACTORY PACKAGED.

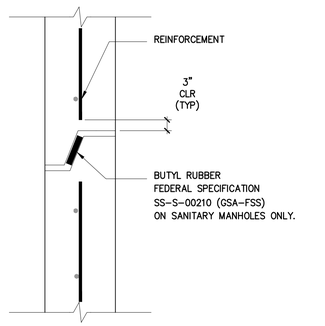


PLAN

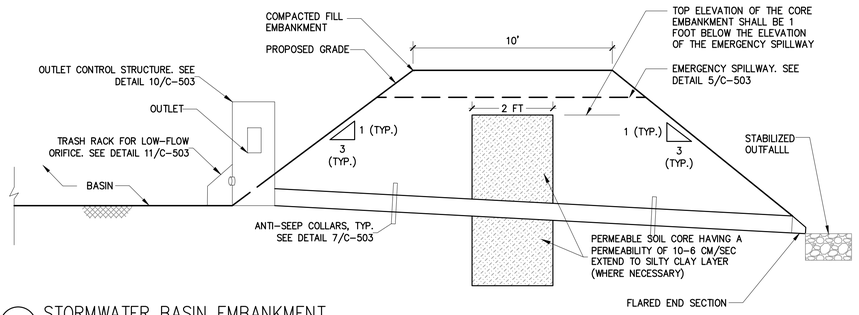


SECTION A-A

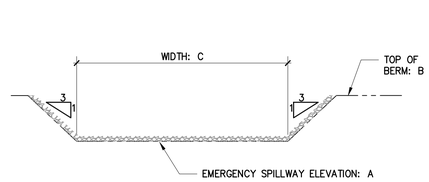
2 SANITARY SEWER MANHOLE



3 MANHOLE JOINT



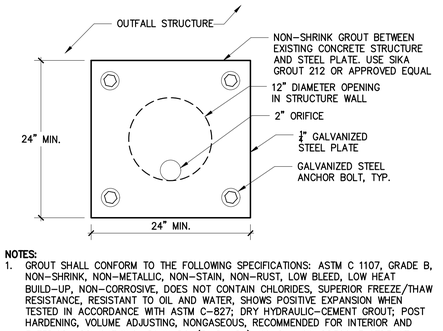
4 STORMWATER BASIN EMBANKMENT



SECTION

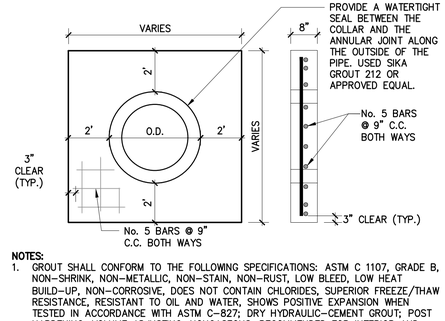
	A	B	C
STORMWATER MANAGEMENT BASIN	TBD	TBD	2'

5 EMERGENCY SPILLWAY



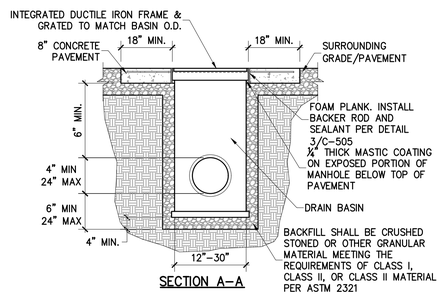
NOTES:
1. GROUT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: ASTM C 1107, GRADE B, NON-SHRINK, NON-METALLIC, NON-STAIN, NON-RUST, LOW BLEED, LOW HEAT BUILD-UP, NON-CORROSIVE, DOES NOT CONTAIN CHLORIDES, SUPERIOR FREEZE/THAW RESISTANCE, RESISTANT TO OIL AND WATER, SHOWS POSITIVE EXPANSION WHEN TESTED IN ACCORDANCE WITH ASTM C-827; DRY HYDRAULIC-CEMENT GROUT; POST HARDENING, VOLUME ADJUSTING, NONGASEOUS, RECOMMENDED FOR INTERIOR AND EXTERIOR APPLICATIONS; 5000-PSI (34.5-MPa), 28-DAY COMPRESSIVE STRENGTH; PREMIXED AND FACTORY PACKAGED.

6 ORIFACE PLATE



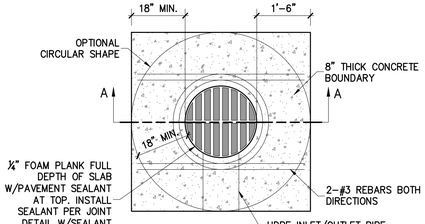
NOTES:
1. GROUT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: ASTM C 1107, GRADE B, NON-SHRINK, NON-METALLIC, NON-STAIN, NON-RUST, LOW BLEED, LOW HEAT BUILD-UP, NON-CORROSIVE, DOES NOT CONTAIN CHLORIDES, SUPERIOR FREEZE/THAW RESISTANCE, RESISTANT TO OIL AND WATER, SHOWS POSITIVE EXPANSION WHEN TESTED IN ACCORDANCE WITH ASTM C-827; DRY HYDRAULIC-CEMENT GROUT; POST HARDENING, VOLUME ADJUSTING, NONGASEOUS, RECOMMENDED FOR INTERIOR AND EXTERIOR APPLICATIONS; 5000-PSI (34.5-MPa), 28-DAY COMPRESSIVE STRENGTH; PREMIXED AND FACTORY PACKAGED.

7 ANTI-SEEP COLLAR



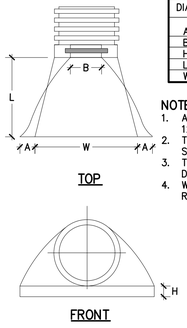
SECTION A-A

8 NYLOPLAST DRAIN BASIN



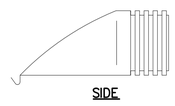
PLAN

NOTES
1. GRATES/SOLID COVER, AND FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84".
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP & PVC SEWER.
4. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.
5. PEDESTRIAN GRATES SHALL MEET H-10 LOAD RATING. TRAFFIC GRATES SHALL MEET H-20 LOAD RATING.



TOP

FRONT

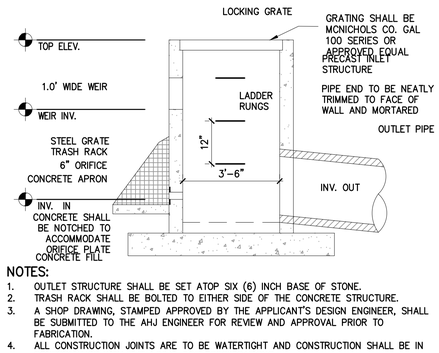


SIDE

NOTES:
1. ADS FLARED END SECTION FOR PIPE SIZES BETWEEN 12-INCH AND 36-INCHES.
2. THE INVERT OF THE PIPE AND THE FLARED END SECTION SHALL BE AT THE SAME ELEVATION.
3. THE FLARED END SECTION SHALL BE HDPE ASTM D3350 MIN CELL CLASSIFICATION 213320C.
4. WHEN PROVIDED, THE METAL THREADED FASTENING ROD SHALL BE STAINLESS STEEL.

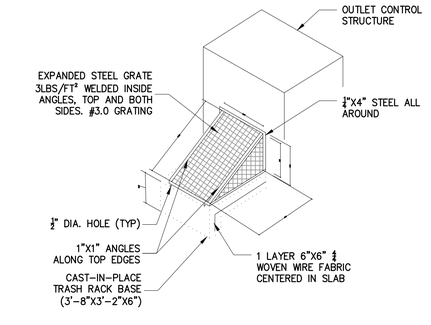
PIPE DIAMETER, (IN)						
DIA.	12	15	18	24	30	36
A	6.5	7.5	7.5	7.5	7.5	7.5
B	10.0	10.0	15.0	8.0	22.0	25.0
H	6.5	6.5	6.5	6.5	8.6	8.6
L	25.0	25.0	32.0	36.0	58.0	58.0
W	29.0	29.0	35.0	45.0	63.0	63.0

9 FLARED END SECTION

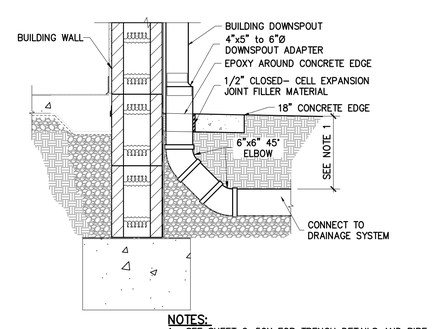


NOTES:
1. OUTLET STRUCTURE SHALL BE SET ATOP SIX (6) INCH BASE OF STONE.
2. TRASH RACK SHALL BE BOLTED TO EITHER SIDE OF THE CONCRETE STRUCTURE.
3. A SHOP DRAWING, STAMPED APPROVED BY THE APPLICANT'S DESIGN ENGINEER, SHALL BE SUBMITTED TO THE AHJ ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
4. ALL CONSTRUCTION JOINTS ARE TO BE WATERTIGHT AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LOCAL DOT SPECIFICATIONS.

10 OUTLET CONTROL STRUCTURE

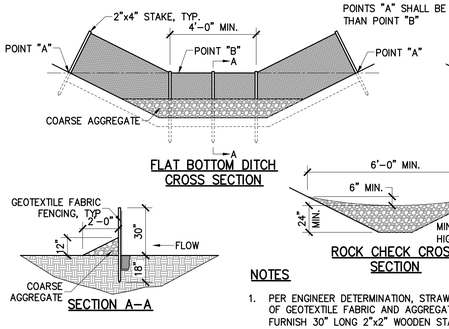


11 TRASH RACK



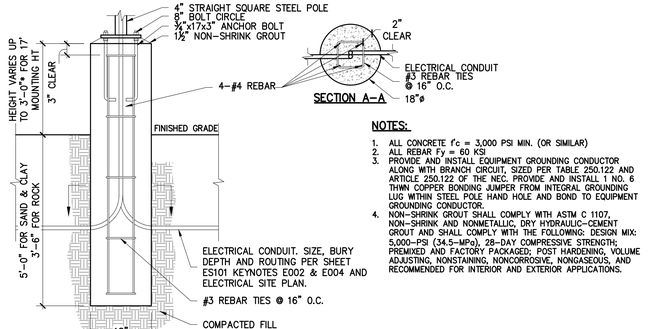
NOTES:
1. SEE SHEET C-50X FOR TRENCH DETAILS AND PIPE COVER REQUIREMENTS

12 DOWNSPOUT GUTTER TO DRAINAGE SYSTEM



NOTES
1. PER ENGINEER DETERMINATION, STRAW BALES CAN BE USED IN PLACE OF GEOTEXTILE FABRIC AND AGGREGATE. WHEN USING STRAW BALES, FURNISH 30" LONG 2"x2" WOODEN STAKES, REINFORCING BARS OR FENCE POSTS TO STAKE STRAW BALES IN PLACE.
2. TRENCH AND INSTALL THE GEOTEXTILE FABRIC FENCE AS DETAILED IN THE SILT FENCE DETAIL.

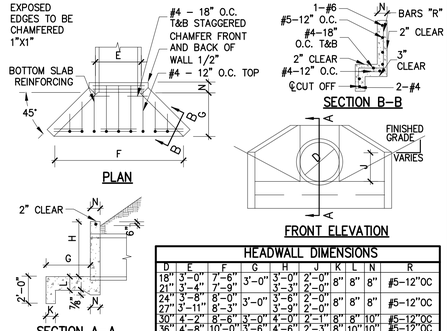
13 DITCH/SWALE CHECK DAM



NOTES:
1. ALL CONCRETE f'c = 3,000 PSI MIN. (OR SIMILAR)
2. ALL REBAR Fy = 60 KSI
3. PROVIDE AND INSTALL EQUIPMENT GROUNDING CONDUCTOR ALONG WITH BRANCH CIRCUIT, SIZED PER TABLE 250.122 AND ARTICLE 250.122 OF THE NEC. PROVIDE AND INSTALL 1 NO. 6 THWN COPPER BONDING JUMPER FROM INTEGRAL GROUNDING LUG WITHIN STEEL POLE HAND HOLE AND BOND TO EQUIPMENT GROUNDING CONDUCTOR.
4. NON-SHRINK GROUT SHALL COMPLY WITH ASTM C 1107, NON-SHRINK AND NONMETALLIC, DRY HYDRAULIC-CEMENT GROUT AND SHALL COMPLY WITH THE FOLLOWING: DESIGN MIX: 5,000-PSI (34.5-MPa), 28-DAY COMPRESSIVE STRENGTH; PREMIXED AND FACTORY PACKAGED; POST HARDENING, VOLUME ADJUSTING, NONSTAINING, NONCORROSIVE, NONGASEOUS, AND RECOMMENDED FOR INTERIOR AND EXTERIOR APPLICATIONS.

* IF WITHIN 3' OF CAR

14 LIGHT POLE BASE



HEADWALL DIMENSIONS								
D	E	F	G	H	J	K	L	N	R
18"	3'-0"	7'-6"	3'-0"	3'-0"	2'-0"	8"	8"	8"	#5-12"OC
21"	3'-4"	7'-8"		3'-3"	2'-0"				
24"	3'-8"	8'-0"	3'-0"	3'-6"	2'-0"	8"	8"	8"	#5-12"OC
27"	3'-11"	8'-3"		3'-9"	2'-0"				
30"	4'-2"	8'-6"	3'-0"	4'-0"	2'-1"	8"	10"	10"	#5-12"OC
36"	4'-8"	10'-0"	3'-6"	4'-6"	2'-3"	8"	10"	10"	#5-12"OC
42"	5'-3"	11'-8"	4'-0"	5'-0"	2'-9"	8"	10"	10"	#5-12"OC
48"	5'-10"	13'-0"	4'-6"	5'-6"	3'-0"	8"	10"	12"	#5-12"OC

15 CONCRETE HEADWALL

CIVIL ENGINEER
GPI Engineering Design Planning Construction Management
518.453.9431 GPINET.COM
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 300
Albany, NY 12205

STATE OF NEW YORK · GREENMAN PEDERSEN, INC. · LICENSED PROFESSIONAL ENGINEER · No. 121

CONSULTANT:

NOT FOR CONSTRUCTION
THIS DRAWING PROVIDED ONLY FOR
REVIEW AND APPROVAL

MARK:	DATE:	DESCRIPTION:
-	20 OCT 22	GPI CONCEPT FOR REVIEW
-	06 DEC 22	CONCEPT FOR PERMITTING/RELEASE

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
SITE DETAILS

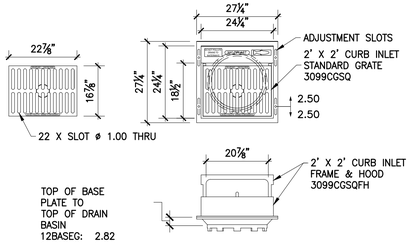
PROJECT No.
37035

SHEET No.
C-503

PLOT DATE: 21 Nov 22 PLOTTED BY: Andy LaPolt V
DIMSCALE: 12.0000 DSIGN\XRFT:
FILE PATH: E:\2022\V2001562.60 Newburgh Civil Design \WCS\C400\01 CIVIL\USA37035_C-503_Site_Details.dwg

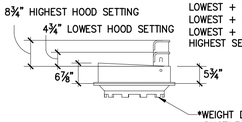
XREF: IMAGE:

3099CGSQ & 3099CGSQFH
APPROX. GRATE DRAIN AREA = 146.18 SQ IN
*APPROX. WEIGHT WITH FRAME & HOOD = 287.00 LBS



TOP OF BASE PLATE TO TOP OF DRAIN BASIN
12BASEG: 2.82
15BASEG: 2.82
18BASEG: 2.82
24BASEG: 2.82
30BASEG: .38

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7002-110-053
SLOPE OF GRATE SURFACE IS 5.2%
CURB INLET FRAME INSIDE VOLUME IS APPROX 1.76 CU FT
APPROX. DRAIN AREA OF GRATE & HOOD
LOWEST SETTING = 227.37 SQ IN
LOWEST + 1" SETTING = 248.25 SQ IN
LOWEST + 2" SETTING = 269.12 SQ IN
LOWEST + 3" SETTING = 290.00 SQ IN
HIGHEST SETTING = 310.87 SQ IN

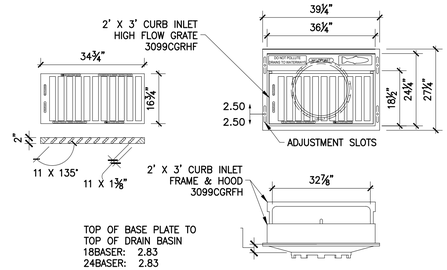


*WEIGHT DOES NOT INCLUDE DUCTILE IRON BASE PLATE
12BASEG: APPROX. 109.00 LBS
15BASEG: APPROX. 98.00 LBS
18BASEG: APPROX. 85.00 LBS
24BASEG: APPROX. 93.00 LBS
30BASEG: APPROX. 82.00 LBS

1 NYLOPLAST DRAIN BASIN WITH SOLID COVER

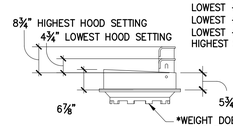
1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0"

3099CGRHF & 3099CGRFH
APPROX. GRATE DRAIN AREA = 327.25 SQ IN
*APPROX. WEIGHT WITH FRAME & HOOD = 354.50 LBS



TOP OF BASE PLATE TO TOP OF DRAIN BASIN
18BASER: 2.83
24BASER: 2.83
30BASER: .44

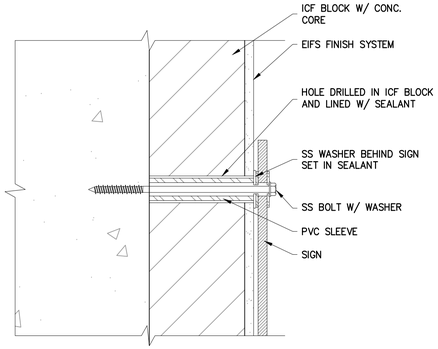
DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7002-110-058
SLOPE OF GRATE SURFACE IS 5.2%
CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT
APPROX. DRAIN AREA OF GRATE & HOOD
LOWEST SETTING = 463.92 SQ IN
LOWEST + 1" SETTING = 496.79 SQ IN
LOWEST + 2" SETTING = 529.67 SQ IN
LOWEST + 3" SETTING = 562.54 SQ IN
HIGHEST SETTING = 595.42 SQ IN



*WEIGHT DOES NOT INCLUDE DUCTILE IRON BASE PLATE
18BASER: APPROX. 133.50 LBS
24BASER: APPROX. 122.00 LBS
30BASER: APPROX. 92.50 LBS

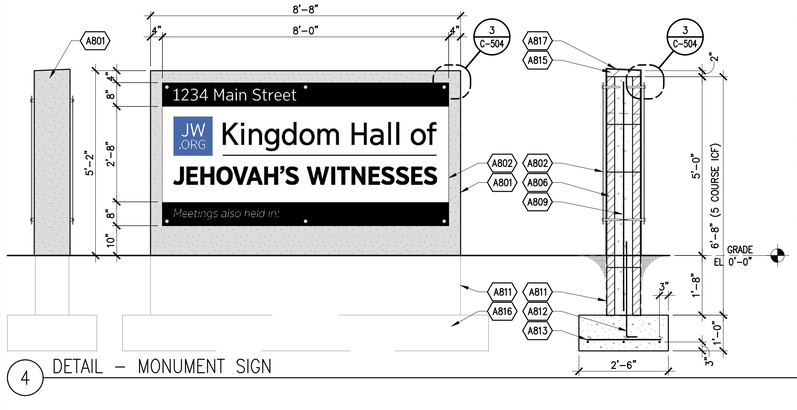
2 NYLOPLAST DRAIN BASIN WITH STANDARD GRATE

1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0"



3 DETAIL – EXTERIOR SIGN ATTACHMENT

1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0"



DETAIL KEYNOTES

A801 EIFS EXTERIOR FINISH SYSTEM; COLOR MATCH EF-2; SEE SHEET A-201 FOR MORE INFO
A802 KINGDOM HALL SIGN WITH JW LOGO (REPEAT ON OTHER SIDE WHEN MONUMENT IS VISIBLE FROM BOTH DIRECTIONS)
A806 ICF W/ 6" CONCRETE CORE
A809 REINFORCEMENT: #4 VERTICAL BARS @ 18" O.C. MAX #4 HORIZONTAL BARS @ 18" O.C. MAX
A811 WATERTIGHT COATING W/ REINFORCING MESH, EXTEND FROM TOP OF FOOTING TO 4" ABOVE GRADE
A812 (4) #4 VERT DOWELS @ 18" O.C. SPACING W/ STANDARD END HOOK
A813 (3) EQ. SPACED #5 CONT. BAR W/ (4) EQ. SPACED #4 TRANSVERSE BARS
A815 ICF WINDOW BUCK, SLOPE 1/2"
A816 FOUNDATION
A817 ADDITIONAL WATER TIGHT COAT WITH REINFORCING MESH AT HORIZONTAL SURFACE

DESIGNER NOTE: A CMU MONUMENT SIGN AND ASSOCIATED DETAILS ARE IN MODEL SPACE IF NEEDED.

4 DETAIL – MONUMENT SIGN

1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0"

CIVIL ENGINEER
GPI Engineering Design Planning Construction Management
518.453.9431 GPINET.COM
Greenman-Pedersen, Inc.
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STATE OF NEW YORK GREENMAN PEDERSEN, INC. LICENSED PROFESSIONAL ENGINEER No. 121

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-	20 OCT 22	GPI CONCEPT FOR REVIEW
-	06 SEP 23	CONCEPT FOR REVIEW

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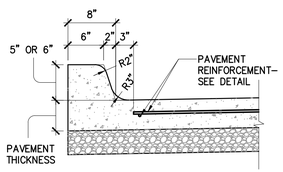
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

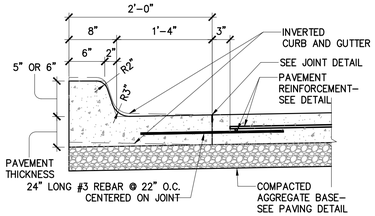
SHEET TITLE:
SITE DETAILS

PROJECT No. 37035

SHEET No. C-504

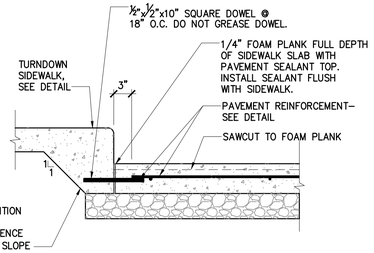


INTEGRAL CURB

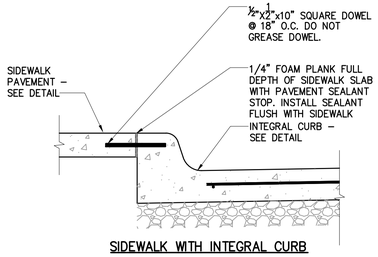


TIED CURB AND GUTTER

NOTES:
1. CURB JOINTS ARE NOT TO EXCEED 10'–0". SEE ASSOCIATED JOINT DETAILS.
2. VERIFY JOINT LOCATIONS W/ OWNER'S REPRESENTATIVE.
3. CURB SHALL BE 5" IN FRONT OF KINGDOM HALL.

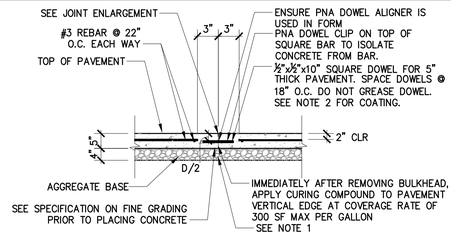


SIDEWALK WITH TURNDOWN

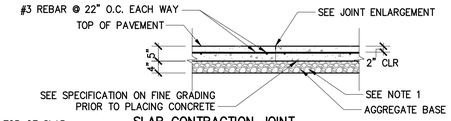


SIDEWALK WITH INTEGRAL CURB

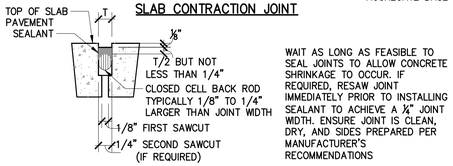
NOTES:
1. SEE INTEGRAL CURB DETAIL FOR INFORMATION NOT SHOWN.
2. SEE JOINT DETAIL FOR SEALANT PLACEMENT INFORMATION NOT SHOWN.
3. ALL SIDEWALKS TO BE ISOLATED FROM CONCRETE PAVEMENT.



SLAB CONSTRUCTION JOINT



SLAB CONTRACTION JOINT



WAIT AS LONG AS FEASIBLE TO SEAL JOINTS TO ALLOW CONCRETE SHRINKAGE TO OCCUR. IF REQUIRED, RESAW JOINT IMMEDIATELY PRIOR TO INSTALLING SEALANT TO ACHIEVE A ⅛" JOINT WIDTH. ENSURE JOINT IS CLEAN, DRY, AND SIDES PREPARED PER MANUFACTURER'S RECOMMENDATIONS

JOINT SECTION ENLARGEMENT

NOTES:
1. ENSURE TESTING AGENCY VERIFIES AGGREGATE BASE AND SUBGRADE IS ACCEPTABLE TO THE GEOTECHNICAL ENGINEER. ENSURE TESTING AGENCY VERIFIES AGGREGATE BASE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER JUST PRIOR TO PLACING PAVEMENT. ENSURE BASE SURFACE IS SMOOTH AND PLANAR IMMEDIATELY PRIOR TO PLACING CONCRETE.
2. COATING TO BE ONE OF THE FOLLOWING:
   2.1. PREPARE ALL SURFACES IN ACCORDANCE WITH SSPC–SP11 (POWER TOOL CLEANING TO BARE METAL) WITHIN 24 HOURS AFTER CLEANING. PAINT SURFACES WITH TWO COATS OF ZRC GALVANIZING COMPOUND. ENSURE EACH COAT PROVIDES A MINIMUM DRY FILM THICKNESS OF 1.5 MILS FOR A TOTAL DRY FILM THICKNESS OF 3 MILS.
   2.2. STATE DOT APPROVED COATING AND INSTALLATION PROCEDURES.
3. ENSURE JOINTS ARE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE JOINT SEALANT.
4. INSTALL CLOSED CELL BACKER ROD AFTER JOINTS HAVE BEEN CLEANED AND DRIED IN ACCORDANCE WITH SEALANT'S MANUFACTURER'S REQUIREMENTS.
5. INSTALL BACKER ROD AT CONSISTENT AND UNIFORM DEPTH.
6. JOINT SEALANT APPLICATION SHALL BE IN STRICT COMPLIANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.

3 EXTERIOR CONCRETE PAVEMENT AND JOINT

1. REVIEW AND VERIFY ALL AS–BUILT CONDITIONS WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY FABRICATION. EXISTING DRAWINGS OF THE PAVEMENT CAN BE PROVIDED FOR GENERAL REFERENCE. HOWEVER, ALL DIMENSIONS, CONSTRUCTION, MATERIALS, OR ANY OTHER INFORMATION FROM THESE EXISTING DRAWINGS SHOULD NOT BE RELIED UPON WITHOUT VERIFICATION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY FABRICATION.
2. INDUSTRY STANDARDS GOVERNING THIS WORK ARE OF THE LATEST ISSUE AT THE DATE OF THIS DRAWING RELEASE AS SHOWN BELOW.
3. ENSURE STORAGE, HANDLING, PREPARATION, INSTALLATION, ETC. OF ALL MATERIALS ARE IN ACCORDANCE WITH MANUFACTURER'S / VENDOR'S PRINTED RECOMMENDATIONS AND INSTRUCTIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.
4. THE GEOTECHNICAL ENGINEERING REPORT INDICATES THAT THE SOILS ON–SITE HAVE A [TBD] SULFATE EXPOSURE. WHERE IMPORTED FILL OR BASE MATERIALS ARE IN CONTACT WITH CONCRETE, THE SULFATE CONTENT AND EXPOSURE OF THESE MATERIALS SHALL BE ACQUIRED BY TEST. SUBMIT ALL TEST RESULTS WITH CONCRETE MIX DESIGNS. FAILURE TO PROVIDE SUPPORTING TEST RESULTS FROM AN ACCREDITED TESTING LABORATORY WILL REQUIRE THE CONCRETE MIX TO BE PROPORTIONED FOR VERY SEVERE SULFATE EXPOSURE AT NO ADDITIONAL COST OR DELAY IN THE PROJECT SCHEDULE.
5. CONCRETE SHALL BE PROPORTIONED TO MEET THE PROJECT SPECIFICATIONS AND THE MINIMUM CRITERIA ESTABLISHED IN THE FOLLOWING TABLE BASED ON THE SULFATE EXPOSURE FROM ANY ADJACENT SOILS OR FILL MATERIALS.

SULFATE EXPOSURE	WATER SOLUBLE SULFATE (SO_4) IN SOIL, % BY WEIGHT	DISSOLVED SULFATE (SO_4) IN WATER PPM	PORTLAND CEMENT TYPE	MAX. W/C RATIO	MIN F'C PSI
NEGLIGIBLE	SO_4<0.10	SO_4<150	I	0.55	3500
MODERATE	0.10≤SO_4<0.20	150≤SO_4<1500	II	0.50	4000
SEVERE	0.20≤SO_4<2.00	1500≤SO_4<10,000	V*	0.45	4500
VERY SEVERE	SO_4>2.00	SO_4>10,000	V* PLUS POZZOLAN	0.45	4500

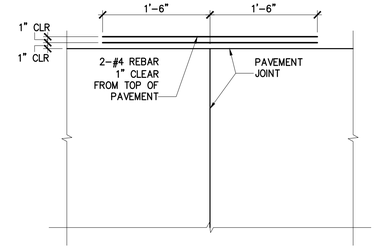
* – WHERE TYPE V PORTLAND CEMENT IS NOT READILY AVAILABLE OR IS COST INHIBITIVE, CONTRACTOR SHALL HAVE THE OPTION OF INCREASING THE CEMENT CONTENT TO PROVIDE A HIGHER 28–DAY STRENGTH. IN THE CASE OF "SEVERE" SULFATE EXPOSURE, THE WATER/CEMENT RATIO CAN BE REDUCED BY 0.40 AND THE MINIMUM F'C STRENGTH CAN BE INCREASED TO 5,000 PSI. OTHER OPTIONS CAN BE SUBMITTED WHERE PROJECT CONSTRAINTS DICTATE.

6. ADDITIONALLY, EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE. SEE SPECIFICATIONS FOR MORE INFORMATION.
7. MAINTAIN FULL THICKNESS FOR DEPRESSED OR SLOPED SLABS, UNLESS NOTED OTHERWISE.
8. MINIMUM PAVEMENT SLOPE SHALL BE 1% (2% PREFERRED) UNLESS SITE CONDITIONS REQUIRE OTHERWISE. ADA PARKING SLOPE/CROSS SLOPE SHALL BE 1% MIN. (2% PREFERRED).
9. ENSURE SUBGRADE AND BASE WATER CONTENT AT TIME OF CONCRETE PLACEMENT DOES NOT EXCEED THE WATER CONTENT REQUIRED FOR THE SPECIFIED MAXIMUM DRY DENSITY COMPACTION. THE TOP 2" OF BASE MATERIAL IS TO BE SURFACE DRY. BASE MAY BE DAMPENED WHEN INSTALLING AND COMPACTING.
10. ENSURE PAVEMENT SURFACE IS PROTECTED FROM EQUIPMENT SCRAPES, IMPACT ABRASIONS, STAINS, ETC. REPAIR SLAB SURFACE AS DIRECTED BY OWNER'S REPRESENTATIVE.
11. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PROCESS, CIVIL AND VENDOR'S DRAWINGS FOR EMBEDDED ITEMS NOT SHOWN. COORDINATE AND PLACE ALL EMBEDDED ITEMS SHOWN ON THE DRAWINGS OR REQUIRED BY ALL TRADES.
12. PROOFROLL PREPARED SUBGRADE WITH A LOADED TANDEM DUMP TRUCK OR READY MIX CONCRETE TRUCK. MAXIMUM DEPRESSIONS SHALL BE ½ INCH.
13. ENSURE ALL FORMS ARE SET, BRACED AND SECURE EDGE FORMS TO REQUIRED PAVEMENT GRADES AND ELEVATIONS. FORMS SHALL BE FULL DEPTH OF THE CONCRETE AND ABLE TO RESIST CONCRETE LOADS APPLIED WITHOUT MOVING OR LOSING DESIRED SHAPE.
14. ENSURE ALL REINFORCEMENT IS ACCURATELY POSITIONED AND SUPPORTED TO AVOID DISPLACEMENT. SET WIRE TIES TO AVOID PROTRUDING THE TEXTURED FINISH.
15. STRIKE–OFF CONCRETE AND INITIALLY FLOAT SURFACES TO THE REQUIRED PAVEMENT GRADES AND ELEVATIONS TO PREVENT PONDING. CONCRETE SHALL BE CONSOLIDATED AT ALL CONSTRUCTION JOINTS AND STEEL EMBEDMENTS SUCH AS DOWELS.
16. PROVIDE THE FOLLOWING STANDARD FINISHES FOR CONCRETE WORK: SURFACES NOT EXPOSED TO VIEW AFTER CONSTRUCTION: POINT ALL CAVITIES AND HONEY COMBING. VERTICAL SURFACES EXPOSED TO VIEW AFTER CONSTRUCTION: POINT WITH MORTAR AND RUB TO MATCH FINISH TEXTURE, OR USE APPROVED PATCHING COMPOUND. PAVEMENT: MEDIUM BROOM TEXTURE FINISH.
17. DO NOT ADD WATER OR PLAIN CEMENT TO ANY PAVEMENT SURFACE DURING FINISHING OPERATIONS.
18. PERFORM NO FINISHING OPERATION WHILE WATER IS PRESENT ON PAVEMENT SURFACE.
19. FOR TOLERANCES CONFORM TO ACI 117 AND ACI 347R, EXCEPT AS NOTED BELOW:
    A. PAVEMENT FINE GRADE : +0,–¾ INCH
    B. MINIMUM PAVEMENT THICKNESS: –¾ INCH
    C. AVERAGE PAVEMENT THICKNESS –0 INCH
    D. ENSURE AT LEAST 85% OF THE PAVEMENT AREA WILL HAVE A THICKNESS THAT EXCEEDS THE THICKNESS SHOWN ON THE DRAWINGS
20. USE A 'SOFF–CUT' SAW WITH 'SOFF–CUT' BLADES AND SKID PLATE/SHOE FOR SLAB ON GROUND CONTRACTION JOINTS. MINIMUM DEPTH 1 1/8 INCH. START SAWING CONTRACTION JOINTS AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. UNLESS RAVELING OR DISLODGING OCCURS, COMPLETE SAWING OF JOINTS WITHIN THE MAXIMUM ELAPSED TIME LIMIT NOTED BELOW, BUT PREFERABLY LESS. THE SPECIFIED TIME FOR ANY ONE LOCATION STARTS WHEN FINISHING OPERATIONS ARE COMPLETE FOR THAT LOCATION. THE SPECIFIED TEMPERATURE IS THE MAXIMUM AIR TEMPERATURE IN DEGREES FAHRENHEIT THAT OCCURS WITHIN THE SPECIFIED TIME LIMIT. THE ELAPSED TIME MAY NEED TO BE SHORTENED EVEN MORE IF DRY AND OR WINDY CONDITIONS ARE PRESENT. EXTEND SAWED JOINT TO THE SLAB BOUNDARIES AND ABUTMENTS, INCLUDING LIGHT POLE BASES, COLUMNS, DRAINS, AND OTHER PENETRATIONS IN THE PATH OF A DEFINED JOINT. IMPLEMENT METHODS AND TIMING OF THE SAW CUT BEYOND THE LIMITS OF THE SOFF–CUT SAW REACH TO PROVIDE A CONSISTENT DEPTH OF CUT WITH MINIMAL RAVELING OF JOINT EDGES.

"SOFF–CUT" SAW	
MAX. DEGREES F	MAX. ELAPSED HOURS
85 AND ABOVE	2
60 – 84	3
50 – 59	4
40 – 49	5

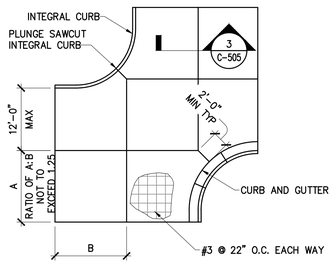
21. START CURING AS SOON AS CONCRETE SURFACE WILL NOT BE DAMAGED BY CURING OPERATIONS. PAVEMENT SURFACE TO BE EVENLY COVERED WITH APPROVED CURING COMPOUND BY MEANS OF A MECHANICAL SPRAYER.

1 CURB AND GUTTER



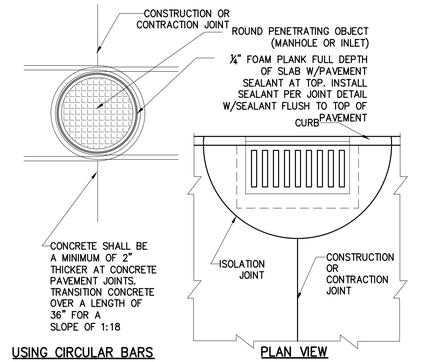
DISCONTINUOUS SLAB JOINT REINFORCEMENT

2 SIDEWALK TIE–IN



PARTIAL PLAN

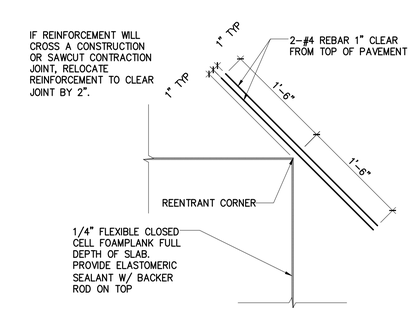
3 EXTERIOR CONCRETE PAVEMENT AND JOINT



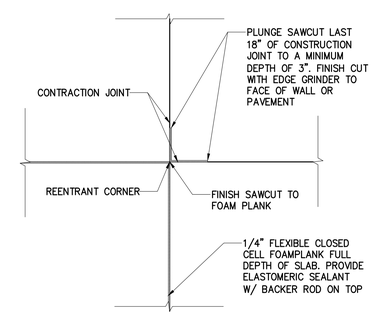
USING CIRCULAR BARS

PLAN VIEW

CIRCLE AND SEMI–CIRCLE JOINT



REENTRANT CORNER W/O JOINT



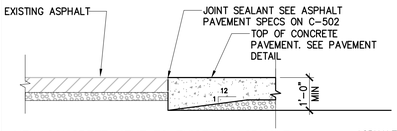
REENTRANT CORNER W/JOINTS

4 DISCONTINUOUS SLAB JOINT REINFORCEMENT

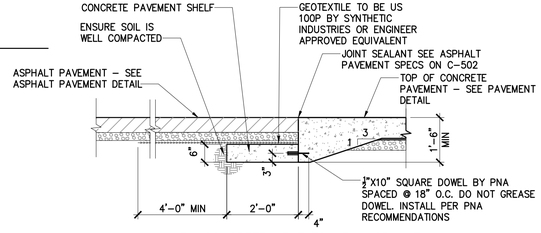
5 PARTIAL PLAN

6 CIRCLE AND SEMI–CIRCLE JOINT

7 REENTRANT CORNER JOINTS



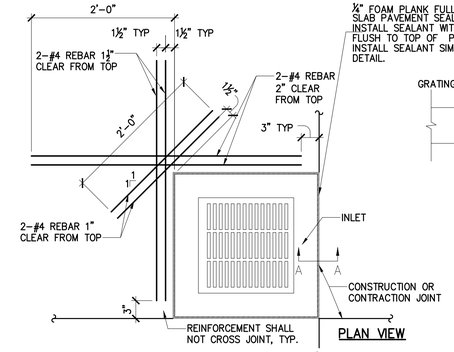
NEW CONCRETE NEXT TO EXISTING ASPHALT



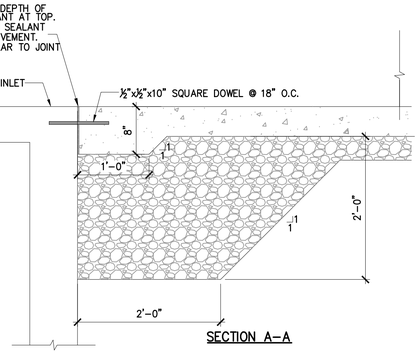
NEW CONCRETE NEXT TO NEW ASPHALT

8 CONCRETE/ASPHALT JOINT

9 RECTANGULAR PENETRATION JOINT



PLAN VIEW



SECTION A–A

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STATE OF NEW YORK GREENMAN PEDERSEN, INC. LICENSED PROFESSIONAL ENGINEER No. 121
CONSULTANT:

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REVIEW AND APPROVAL

MARK:	DATE:	DESCRIPTION:
-	20 OCT 22	GPI CONCEPT FOR REVIEW
-	06 DEC 22	CONCEPT FOR BIDDING/RELEASE

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
SITE DETAILS & NOTES

PROJECT No. 37035

SHEET No. C–505

XREF: ##### IMAGE: #####

PLOT DATE: 21 Nov 22 PLOTTED BY: Andy LaPolt V
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