



City of Newburgh Council Work Session  
*Sesion de trabajo del Concejal de la  
Ciudad de Newburgh*  
September 22, 2016  
6:00 PM

Council Meeting Presentations

1. Richard "Dickie" F. Peterson Way  
(Ali Church & Dr. Belinda Jones)

*Camino de Richard "Dickie" F. Peterson (Ali Church y Dra. Belinda Jones)*

2. Certificates of Appreciation of work at Downing Park & City  
(Councilwoman Angelo)

*Certificados de Apreciación por el trabajo en el Parque Downing y la Ciudad. (Consejal Angelo)*

3. Proclamation for National Diaper Need Awareness Week  
(Mayor Judith Kennedy)

*Proclamación por la Semana Nacional de conciencia de la Necesidad de Pañales. (Alcaldesa Judith Kennedy)*

4. Comptroller's Monthly Financial Report  
(Katie Mack)

*Reporte Financiero Mensual del Contralor. (Katie Mack)*

Work Session Presentations

5. A Presentation will be given by Corey J. Allen from Habitat of Greater Newburgh on their A Brush with Kindness Program  
*Corey J. Allen de Habitat para la Humanidad de Newburgh dara una presentacion sobre el Programa Un Pincel con Amabilidad.*

Engineering/Ingeniería

6. Engineer's Sidewalk Standards

Resolution Approving City of Newburgh Streetscape Standards under Section 263-5(C) of the City Code of Ordinances. (Jason Morris)

*Una Resolución Aprobando los Estándares de Paisajes Urbanos de la Ciudad de Newburgh bajo la Sección 263-5 (C) de las Ordenanzas del Código de la Ciudad. (Jason Morris)*

#### Finance/Finanza

7. Refunding Bond Resolution

Refunding Bond Resolution of the City of Newburgh, in the County of Orange, New York, Authorizing the Refunding of all or a portion of certain outstanding serial bonds of said City, stating the plan of refunding, appropriating an amount not to exceed \$16,000,000 therefor, authorizing the issuance of \$16,000,000 refunding bonds of said City or so much thereof as may be necessary to finance said appropriation, and making certain determinations all relative thereto. (Katie Mack)

*Reembolsando la resolución de afianzamiento de la Ciudad de Newburgh, en el Condado de Orange, Nueva York, Autorizando el Reembolso de toda o una porción de ciertos afianzamientos de serie sobresalientes de dicha Ciudad, afirmando el plan de reembolso, apropiando una cantidad que no exceda \$16,000,000 y así, autorizando la emisión de \$16,000,000 reembolsando afianzamientos de dicha Ciudad o cuanto sea necesario para financiar dicha apropiación, y hacer ciertas determinaciones todas relativas a ello. (Katie Mack)*

8. Two Full time Code Compliance Officers

Resolution Amending the 2016 Personnel Analysis Book to Add Two Full-Time Permanent Code Enforcement Officers in the Code Compliance Bureau of the Fire Department. (Katie Mack)

*Una resolución enmendando el libro de Análisis del Personal del 2016 para agregar Permanentemente dos Oficiales de Cumplimiento del Código a Tiempo Completo en el Buro de Cumplimiento de Código del Departamento de Bomberos. (Katie Mack)*

9. Reduction of Cash Payments

A Resolution of the City Council of the City of Newburgh to reduce cash payments. (Councilwoman Rayford)

*Una Resolución del Consejo Municipal de la Ciudad de Newburgh para reducir los pagos en efectivo. (Concejal Rayford)*

## Planning and Economic Development/Planificación y Desarrollo Económico

### 10. Purchase of 170 Renwick Street

Resolution to Authorize the Conveyance of Real Property known as 170 Renwick Street (Section 45, Block 14, Lot 15) at Private Sale to Darrell Williams for the amount of \$18,000.00. (Ali Church)

*Una Resolución para Autorizar el Traspaso de Bienes Raíces Conocidas como la 170 de la Calle Renwick (Sección 45, Bloque 14, Lote 15) en una Venta Privada a Darrell Williams por la cantidad de \$18,000.00. (Ali Church)*

### 11. Purchase of 45 Robinson Avenue

Resolution to Authorize the Conveyance of Real Property known as 45 Robinson Avenue (Section 28, Block 2, Lot 7) at Private Sale to Telma Barillas and Ramon Solis for the amount of \$30,000.00. (Ali Church)

*Una Resolución para Autorizar el Traspaso de Bienes Raíces conocida como la 45 de la Avenida Robinson (Sección 28, Bloque 2, Lote 7) en una Venta Privada a Telma Barillas y Ramon Solis por la cantidad de \$30,000.00. (Ali Church)*

## Police Department

### 12. Accept Funding for FBI Safe Streets Task Force for Street Camera Surveillance Equipment

A resolution authorizing the City Manager to apply for and accept funding from the FBI Safe Streets Task Force for street camera surveillance equipment upgrades in the amount of \$7,500.00 (Lt. Rich Carrion)

*Una resolución autorizando al Gerente de la ciudad a solicitar y aceptar financiamiento del grupo especial de operaciones de Calles Seguras del FBI para mejorar los equipos de vigilancia de cámaras en las calles por la cantidad de \$7,500.00 (Teniente Rich Carrion)*

### 13. "Policing the Teen Brain" Training - A Collaborative Effort with the Albany Police Department and the City of Newburgh

A resolution authorizing the City Manager to accept a New York State Division of Criminal Justice services Grant award with no city match to fund the cost of a training program with the Albany Police Department. (Lt Rich Carrion )

*Una resolución autorizando al Gerente de la Ciudad a aceptar una Subvención de la División de Servicios de Justicia Criminal del Estado de Nueva York sin necesidad que la Ciudad iguale los fondos para financiar el costo del programa de entrenamiento con el Departamento de Policía de Albany. (Teniente Rich Carrion)*

## Discussion Items/Temas de Discusión

14. Skateboard Project Status

(Michael Ciaravino, Katie Mack, Ellen Fillo, Jason Morris)

*Estatus del Proyecto de Pistas de Patinaje. (Michael Ciaravino, Katie Mack, Ellen Fillo, Jason Morris)*

15. Video Camera Update/Skateboard Comparison

(Michael Ciaravino & Katie Mack)

*Comparación de la Actualización de Cámaras de Video/ Pistas de Patinaje. (Michael Ciaravino y Katie Mack)*

16. Pole Light Update from DPW

(George Garrison) As per the request of Councilwoman Cindy Holmes)

*Actualización de DPW sobre los Postes de Luz (George Garrison) Según la solicitud de la Concejal Cindy Holmes)*

17. 104 South Lander Street

(Katie Mack as per the request from Councilwoman Genie Abrams)

*104 de la Calle South Lander (Katie Mack Según la solicitud de la Concejal Genie Abrams)*

18. Sanitation Billing

(Michelle Kelson)

*Facturación de saneamiento (Michelle Kelson)*

## Executive Session/ Sesión Ejecutiva

19. Pending Litigation

*Litigación Pendiente*



**RESOLUTION NO.: \_\_\_\_\_ - 2016**

**OF**

**SEPTEMBER 26, 2016**

**A RESOLUTION APPROVING CITY OF NEWBURGH STREETSCAPE  
STANDARDS UNDER SECTION 263-5(C) OF THE CITY CODE OF ORDINANCES**

**WHEREAS**, Section 263-5 regulates the installation or repair of a sidewalk or curb in the public street and requires that repairs, alterations and resurfacing to existing sidewalks and curbs be made in compliance with the specifications of the City Engineer; and

**WHEREAS**, the City Engineer, in conjunction with a consulting Landscape Architect, the Conservation Advisory Council, the Planning Board and the Architectural Review Commission, has developed updated sidewalk standards and specifications for the repair, alternation and resurfacing of sidewalks and curbs; and

**WHEREAS**, the updated sidewalk standards and specifications prepared by the City Engineer must be approved by the City Council under City Code Section 263-5(C); and

**WHEREAS**, this Council has reviewed the updated sidewalk standards and specifications prepared by the City Engineer and finds that approving said sidewalk standards and specifications is in the best interests of the City of Newburgh and its further development;

**NOW, THEREFORE, BE IT RESOLVED**, that the Council of the City of Newburgh, New York hereby approves the updated sidewalk standards and specifications prepared by the City Engineer and which may modified from time to time as may be necessary in the professional assessment of the City Engineer.

## City of Newburgh Streetscape Standards

The City of Newburgh has taken the opportunity to update its sidewalk standards in order to implement aspects of Complete Streets and Green Infrastructure in accordance with the Long Term Control Plan. The standards were developed for a specific project; a section of Liberty Street between Broadway and Ann Street. During development of the new streetscape standards, the entire City was considered, and material alternatives were chosen to aesthetically unify the City.

The following narrative shall be used to determine when aspects of the streetscape standards are required dependent upon project type, size and location. The City Engineer shall have discretion to determine when certain aspects of the standards shall be implemented and/or waived.

Projects that affect a substantial portion of a City street, or that involve multiple contiguous properties, shall be required to implement the full spectrum of the City of Newburgh Streetscape Standards. This includes, but is not limited to curb replacement, sidewalk replacement, street trees, and bioswales, (Refer to *R.O.W. Bioswale* details, *R.O.W. Bioswale Sections* detail, and *R.O.W. Bioswale Fence* detail) and separation of storm sewers from the combined sewers where appropriate. A Site Plan inclusive of these streetscape improvements in accordance with §300-87 of the City Code shall be required and reviewed by the City Engineer. Discussions with the City Engineer is required prior to construction in order to evaluate the project and determine the extent of the City of Newburgh Streetscape Standards required for the project.

Small-scale projects that are related to a single property are required to adhere to the City Streetscape Standards, and are generally exempt from the requirements to install bioswales and associated infrastructure. The addition of pervious surfaces are always encouraged. Additionally, utility service work, where excavations exceed a disturbance of eight (8) feet of the sidewalk and/or curb shall require replacement in accordance with the City of Newburgh Streetscape Standards, but may be exempt from the requirement of bioswales and associated CSO mitigation infrastructure, in consultation from the City Engineer.

In the East End Historic District, the following materials are required with the reconstruction of any aspect of the streetscape within the City's right-of-way, and must be constructed in accordance with the details and specifications maintained by the Engineering Department. Approved equivalents may be used upon written approval by the City Engineer.

### Sidewalks:

1. Natural bluestone slabs or cut bluestone; [REQUIRED ADJACENT TO THE DUTCH REFORMED CHURCH & WASHINGTON'S HEADQUARTERS]
2. Concrete, dyed (Uni-Mix Integral Colorant by Butterfield Color, Inc., Product No. U28 and Perma-Cast Antiquing Release by Butterfield Color, Inc., Product No. R28) and stamped (18" x 36" Bluestone by Butterfield Color, Inc., Product No. BST4210). Refer to *Concrete Sidewalk Detail* and *Stamped Bluestone Concrete Pattern*.; or

3. Hanover Architectural Products Slateface Prest Pavers, color Bluestone (Product No. M2374). Refer to *Concrete Paver Sidewalk Detail* and *Sidewalk Alternate Concrete Pavers* detail.

Curbs:

1. Granite (mountable on radii of curb extensions). Refer to *Granite Curb @ Sidewalk* detail.

Driveway Aprons:

1. Broom finished concrete, dyed (Uni-Mix Integral Colorant by Butterfield Color, Inc., Product No. U28 and Perma-Cast Antiquing Release by Butterfield Color, Inc., Product No. R28); or
2. Other sympathetic or adjacent materials approved by the City Engineer.
1. Planting Strip, Snow Storage Strip (space between the required bioswales or tree pits) Porous Pavement (Flexi-Pave by K.B. Industries, Inc., color Redwood. Refer to *Porous Flexible Pavement* detail.;
2. Hanover Architectural Products Permeable 4" X 8", color Quarry Red, Refer to *Permeable Pavers* detail; or
3. Turf

Any other materials than those specified above will need to be reviewed and approved by the City's Architectural Review Board with a recommendation from the City Engineer.

In other parts of the City, the following materials are required with the reconstruction of any aspect of the streetscape within the City's right-of-way and must be constructed in accordance with the details and specifications maintained by the Engineering Department. Approved equivalents may be used upon approval by the City Engineer.

Sidewalks:

1. Natural bluestone slabs or cut bluestone;
2. Concrete, dyed (Uni-Mix Integral Colorant by Butterfield Color, Inc., Product No. U28 and Perma-Cast Antiquing Release by Butterfield Color, Inc., Product No. R28) and stamped (18" x 36" Bluestone by Butterfield Color, Inc., Product No. BST4210). Refer to *Concrete Sidewalk Detail* and *Stamped Bluestone Concrete Pattern*.; or
3. Hanover Architectural Products Slateface Prest Pavers, color Bluestone (Product No. M2374). Refer to *Concrete Paver Sidewalk Detail* and *Sidewalk Alternate Concrete Pavers* detail.; or
4. Broom finished concrete.

Curbs:

1. Granite (mountable on radii of curb extensions). Refer to *Granite Curb @ Sidewalk* detail.; or
2. Concrete (mountable on radii of curb extensions).

Driveway Aprons:

1. Broom finish concrete.

Planting Strip, Snow Storage Strip

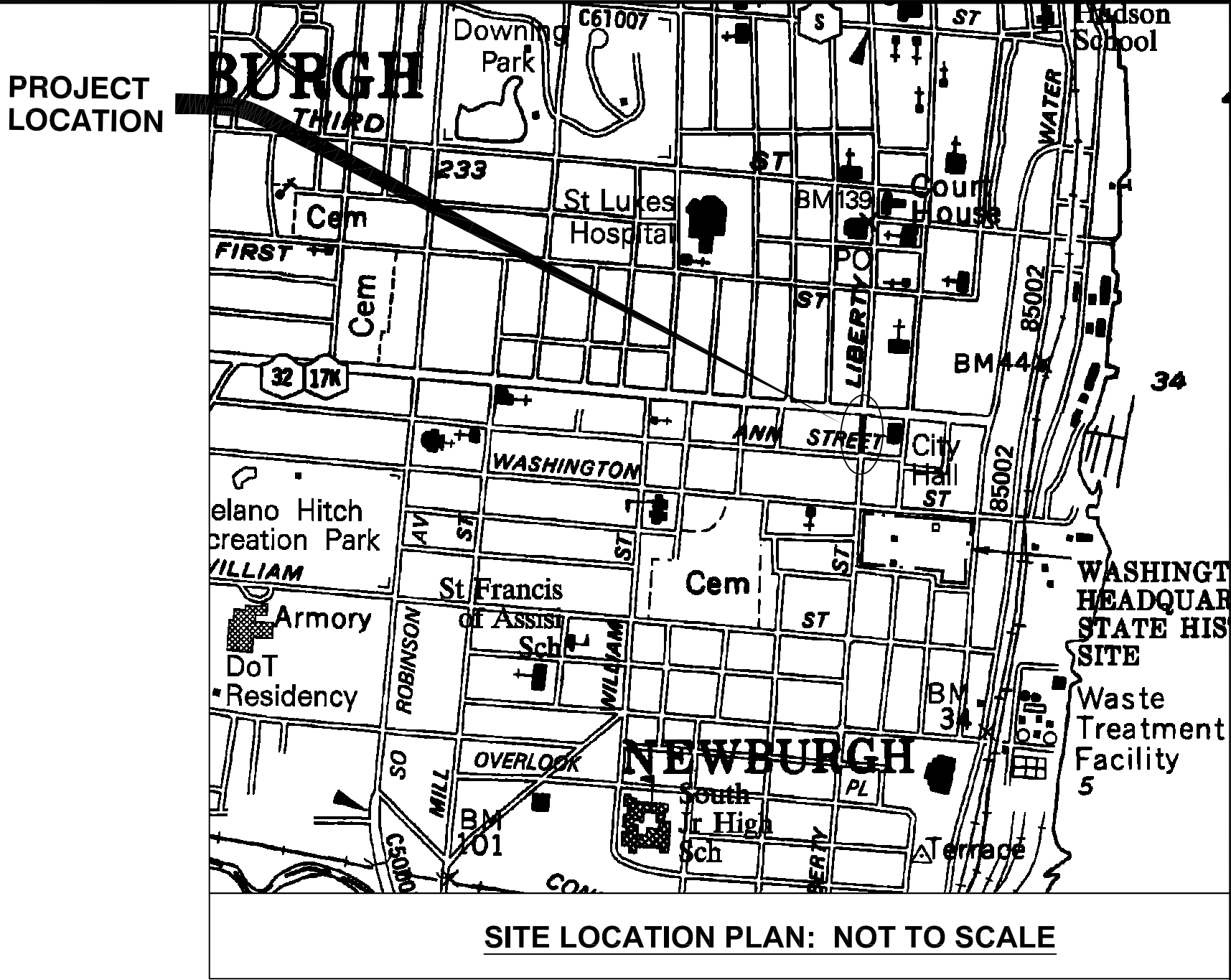
1. Porous Pavement (Flexi-Pave by K.B. Industries, Inc., color Redwood. Refer to Porous Flexible Pavement detail;
2. Hanover Architectural Products Permeable 4" X 8", color Quarry Red. Refer to Permeable Pavers detail; or
3. Turf.

	East End Historic District			
	Residential Area	Commercial Area	Residential Area	Commercial Area
<b>Sidewalks</b>				
Bluestone	✓	✓	✓	✓
Stamped Concrete*	✓	✓	✓	✓
Concrete Pavers*	✓	✓	✓	✓
Concrete			✓	✓
<b>Curbs</b>				
Granite	✓	✓	✓	✓
Concrete			✓	✓
<b>Driveway Aprons</b>				
Concrete	✓	✓	✓	✓
<b>Planting Strip</b>				
Porous Pavement*		✓		✓
Permeable Concrete Pavers*		✓		✓
Turf	✓		✓	

\*Materials shall be consistent with those products listed on the previous pages.

# LIBERTY STREET CDBG SIDEWALKS

BETWEEN ANN STREET AND BROADWAY  
CITY OF NEWBURGH, ORANGE COUNTY,  
NEW YORK



JULY 13, 2016

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6		C-104	04/05/16	UTILITY AND E&SC PLAN
7		C-105	04/05/16	LANDSCAPING, MATERIALS & SIGNAGE PLAN
8		C-501	04/05/16	SITE DETAILS
9		C-502	04/05/16	SITE DETAILS
10		C-505	06/24/16	R.O.W BIOSWALE DETAILS
11		C-506	06/24/16	R.O.W BIOSWALE DETAILS
12		C-510	06/24/16	E&SC NOTES AND DETAILS
13		C-515	06/24/16	UTILITY DETAILS
14		C-516	06/24/16	WATER DETAILS
15		C-520	06/24/16	LANDSCAPING NOTES AND DETAILS

**DISCLAIMER:**  
The following plan set has been developed as the new City of Newburgh streetscape standards, as of 2016. The specific location of the plan set refers to a section of Liberty Street between Broadway and Ann Street. the detailing provided included information to adapt the plans to all streets throughout the city and some may not be applicable to all streetscape projects. Therefore, the plan must be adapted to each individual streetscape project location in coordination with the City Engineer and the City Planner.

**ZONING DISTRICTS:**  
BC: BROADWAY COORDOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	REVISIONS			NO.	REVISIONS		
	BY:	CHK:	APP'D:		BY:	CHK:	APP'D:
	BY:	CHK:	APP'D:		BY:	CHK:	APP'D:
	BY:	CHK:	APP'D:		BY:	CHK:	APP'D:
	BY:	CHK:	APP'D:		BY:	CHK:	APP'D:



**LIBERTY STREET  
CDBG SIDEWALKS**  
BETWEEN ANN STREET AND BROADWAY  
CITY OF NEWBURGH, ORANGE COUNTY,  
NEW YORK

DESIGNED BY:	APPROVED BY:
DRAFTED BY:	DATE:
CHECKED BY:	PROJECT NO.

SHEET TITLE:  
**COVER SHEET**

SHEET NUMBER:  
**G-101**



EXISTING CONDITIONS NOTES:

GENERAL NOTES:

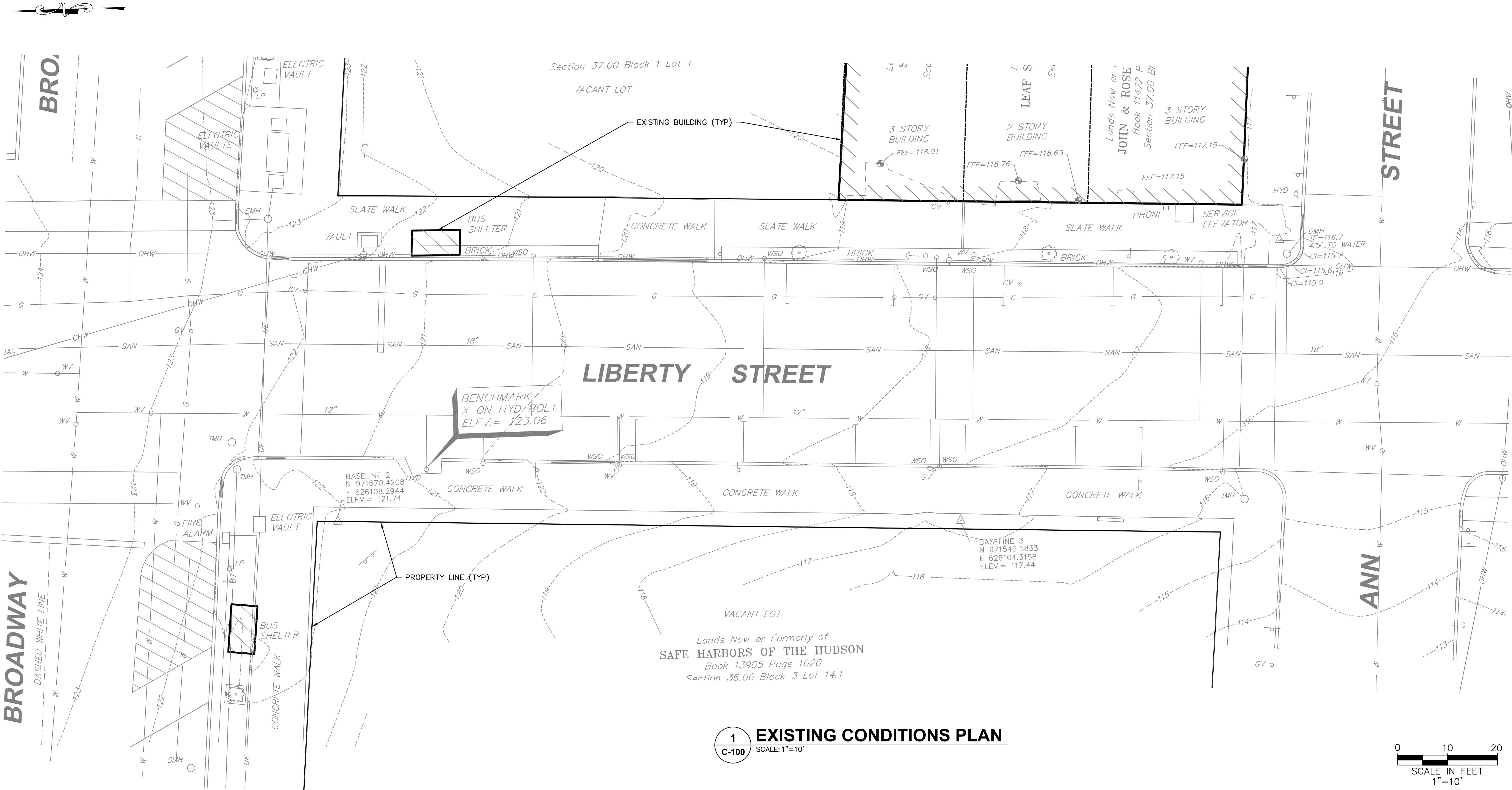
1. UNDERGROUND FACILITIES AND STRUCTURES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORD DRAWINGS. ALL ABOVE GROUND STRUCTURES AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTION TEST BORINGS, EXCAVATION AND CONSTRUCTION.

SURVEY REFERENCE:

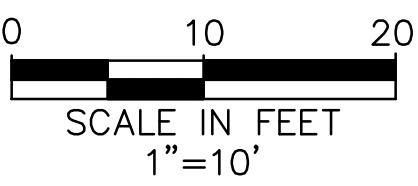
1. "TOPOGRAPHIC SURVEY OF A PORTION OF LIBERTY STREET" PREPARED BY AUSFELD & WALDRUFF LAN SURVEYS LLP, DATED DECEMBER 29, 2015.

MAP REFERENCES:

1. "LOT LINE CHANGE FOR LANDS OF SAFE HARBORS OF THE HUDSON, INC." PREPARED BY MARGARET HILLRIEGEL, DATED MARCH 31, 2004, LAST REVISED JUNE 10, 2004 AND FILED IN THE ORANGE COUNTY CLERKS OFFICE AS MAP 567-04.



1 EXISTING CONDITIONS PLAN  
C-100 SCALE: 1"=10'



CITY OF NEWBURGH  
83 BROADWAY  
NEWBURGH, NY 12550  
TEL: (845) 569-7300

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE LAW AND IS A CLASS 'A' MISDEMEANOR.

CONTRACT PHASE:

CONSTRUCTION DOCUMENTS

DATE:

JULY 13, 2016

ADDENDA/REVISIONS

NO.	NAME	DATE

THIS DRAWING REFLECTS ALL CHANGES PREVIOUSLY MADE ON THIS SHEET. VERIFY THAT PREVIOUS CHANGES HAVE BEEN INCORPORATED INTO THE CONTRACT BEFORE PROCEEDING WITH ANY WORK. NOT SPECIFICALLY REFERENCED BY THIS REVISION.

PROJECT NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

LIBERTY STREET CDBG SIDEWALKS

LOCATION:

LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:

CITY OF NEWBURGH

SHEET TITLE:

EXISTING CONDITIONS PLAN

DRAWING NUMBER:

C-100

SHEET 2 OF 15

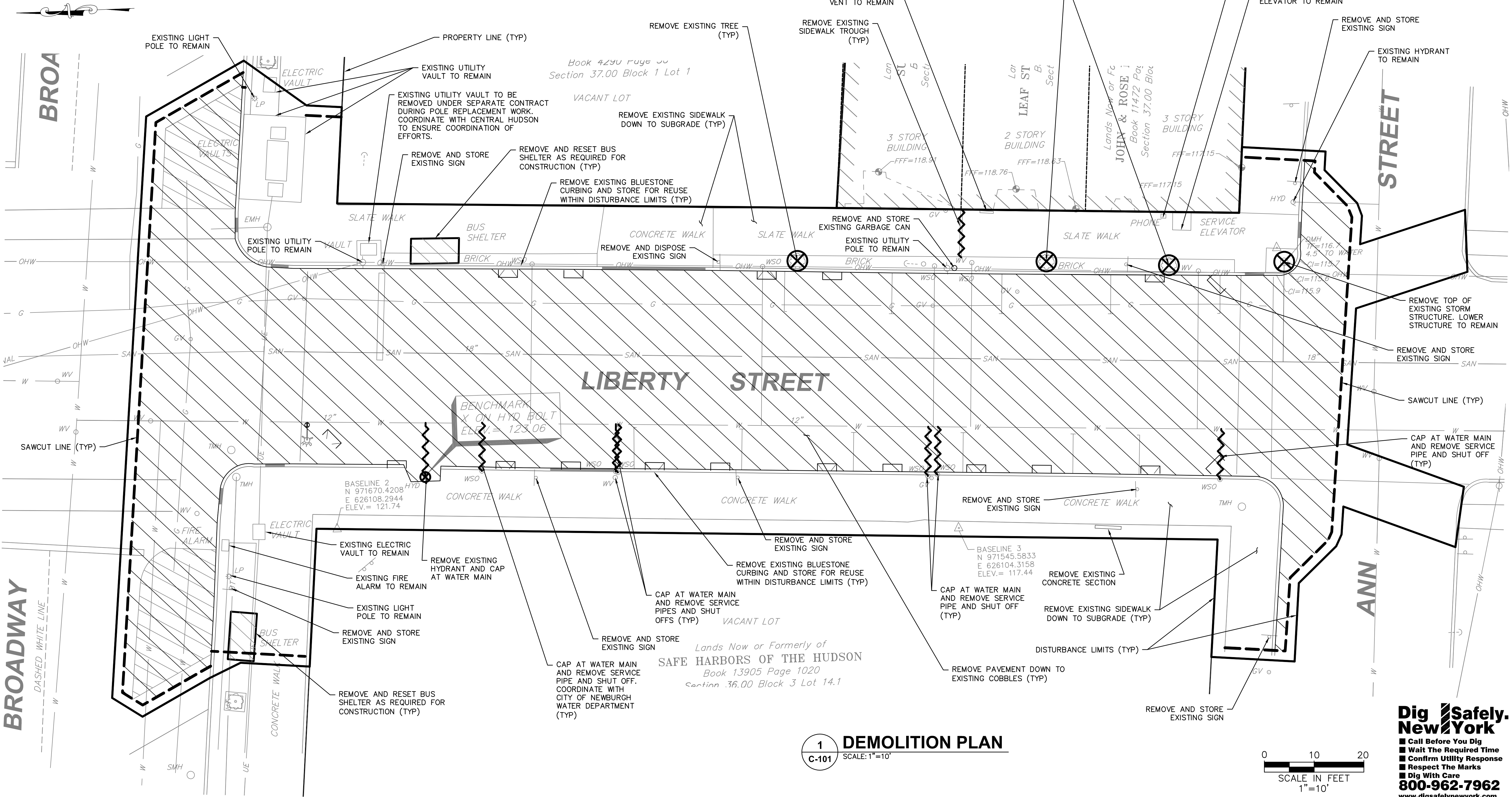


DEMOLITION LEGEND:

- DISTURBANCE LIMITS
- - - SAWCUT LIMITS
- ~~~~~ EXISTING LINEAR ELEMENT TO BE REMOVED
- [Hatched Box] EXISTING PAVEMENT AREA TO BE REMOVED
- [X in Circle] EXISTING TREE TO BE REMOVED

DEMOLITION NOTES:

1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENT CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK.
2. CONFORM TO APPLICABLE CODE AND PERMIT REQUIREMENTS FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
3. PROVIDE, ERECT AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES AS REQUIRED.
4. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECT DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
5. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
6. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
7. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
8. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
9. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSSES.
10. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALK WITHOUT PERMITS. COORDINATE WITH AUTHORITY HAVING JURISDICTION.
11. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
12. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS, AND PROVIDE POSITIVE DRAINAGE.
13. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
14. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
15. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AND TRANSPORTING POLLUTANTS.
16. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
17. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.
18. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
19. ALL WATER MAIN WORK SHALL BE COORDINATED WITH THE CITY OF NEWBURGH WATER DEPARTMENT BEFORE CONSTRUCTION.



CITY OF NEWBURGH  
83 BROADWAY  
NEWBURGH, NY 12550  
TEL: (845) 569-7300

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CONSTRUCTION DOCUMENTS

DATE: JULY 13, 2016

ADDENDA/REVISIONS

NO.	NAME	DATE

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PROJECT NUMBER:  
DESIGNED BY:  
DRAWN BY:  
CHECKED BY:

LIBERTY STREET CDBG SIDEWALKS

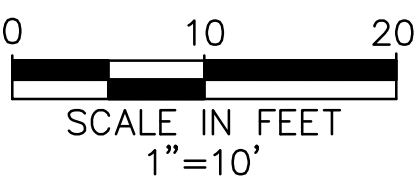
LOCATION:  
LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:  
CITY OF NEWBURGH

DEMOLITION PLAN

DRAWING NUMBER:  
C-101

**Dig Safely. New York.**  
■ Call Before You Dig  
■ Wait The Required Time  
■ Confirm Utility Response  
■ Respect The Marks  
■ Dig With Care  
**800-962-7962**  
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1 DEMOLITION PLAN  
C-101 SCALE: 1"=10'



SITE PLAN LEGEND:

- — — — — DISTURBANCE LIMITS  
===== PROPOSED ASPHALT PAVEMENT  
===== PROPOSED CONCRETE CURBING  
⑩ PROPOSED PARKING COUNT

GENERAL CONSTRUCTION NOTES:

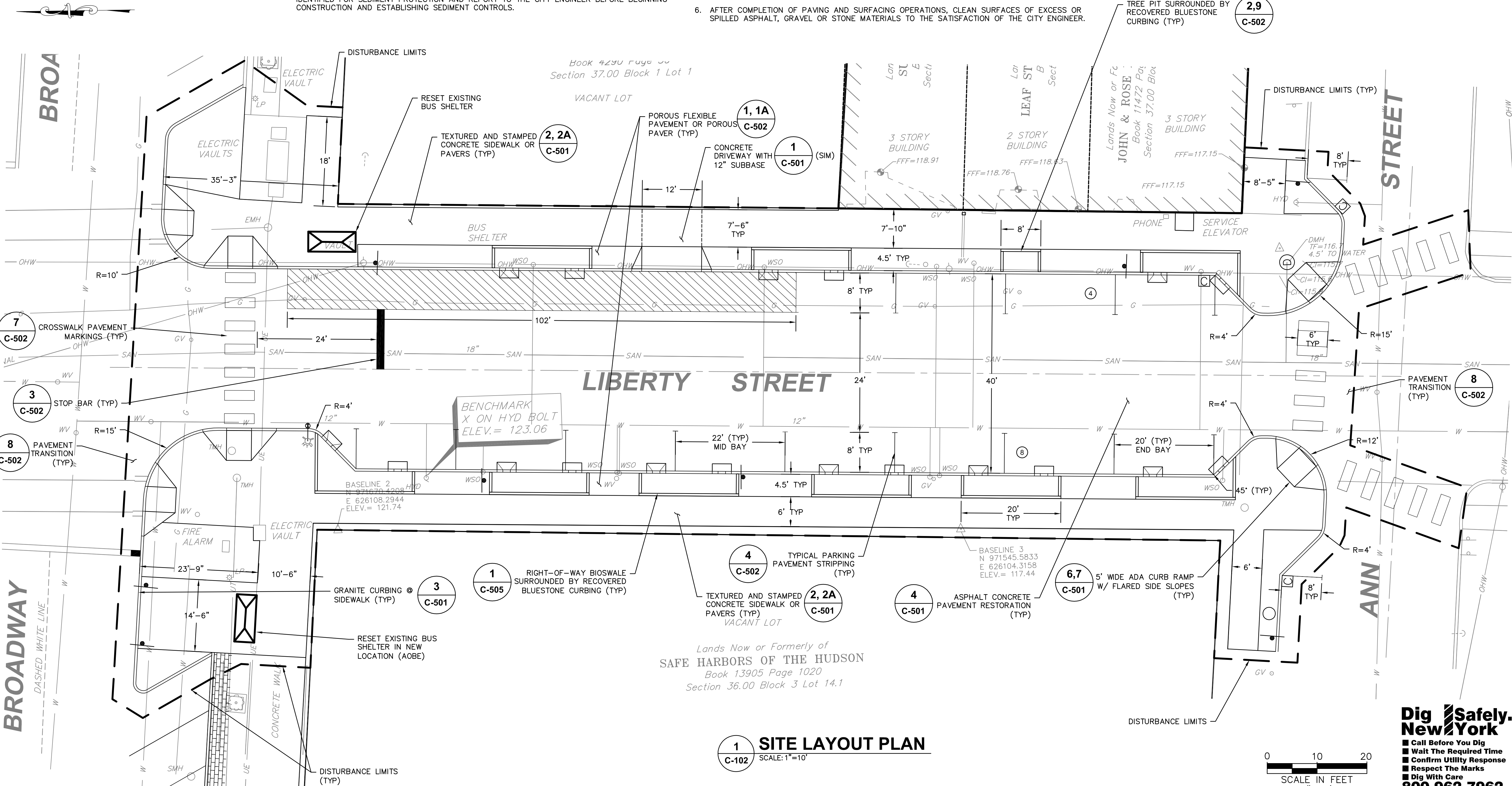
1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. NOTIFY CITY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
3. THE CITY ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE CITY ENGINEER.
4. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION. A DETAILED MAINTENANCE AND PROTECTION OF TRAFFIC PLAN SHALL BE SUBMITTED FOR APPROVAL TO THE CITY OF NEWBURGH BEFORE BEGINNING CONSTRUCTION. COORDINATE WITH CITY POLICE AND FIRE DEPARTMENT FOR ROAD CLOSURES.
5. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
6. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
7. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY THE CITY ENGINEER (AOBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE, SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.
8. CONTRACTOR SHALL EVALUATE EXISTING CONDITIONS OF ALL STORMWATER CATCH BASINS IDENTIFIED FOR SEDIMENT PROTECTION AND REPORT TO THE CITY ENGINEER BEFORE BEGINNING CONSTRUCTION AND ESTABLISHING SEDIMENT CONTROLS.

PAVING:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 1, 2016, INCLUDING ALL REVISIONS AND ADDENDUMS. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
  - A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 1, 2016, SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 - TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
  - B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
  - C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES AND SURFACES OF CURBS BELOW PAVEMENT LEVEL, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
  - D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE CITY ENGINEER.

LAYOUT :

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE CITY ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADMISSIONS TO THE SATISFACTION OF THE CITY ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.
- STRIPING:**
1. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
  2. COLOR: DRIVE LANE DIVIDERS - WHITE OR AOE  
NO PARKING ZONE WARNINGS - WHITE OR AOE  
PARKING DIVIDERS - WHITE OR AOE  
WALKING LINES - WHITE OR AOE  
HANDICAP PARKING LINES & SYMBOL - BLUE



1 SITE LAYOUT PLAN  
C-102 SCALE: 1"=10'



CITY OF NEWBURGH  
83 BROADWAY  
NEWBURGH, NY 12550  
TEL: (845) 569-7300

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CONTRACT PHASE:

CONSTRUCTION DOCUMENTS

DATE:

JULY 13, 2016

ADDENDA/REVISIONS

NO.	NAME	DATE

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PROJECT NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

LIBERTY STREET  
CDBG SIDEWALKS

LOCATION:

LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:

CITY OF NEWBURGH

SHEET TITLE:

SITE LAYOUT  
PLAN

DRAWING NUMBER:

C-102

SHEET 4 OF 15

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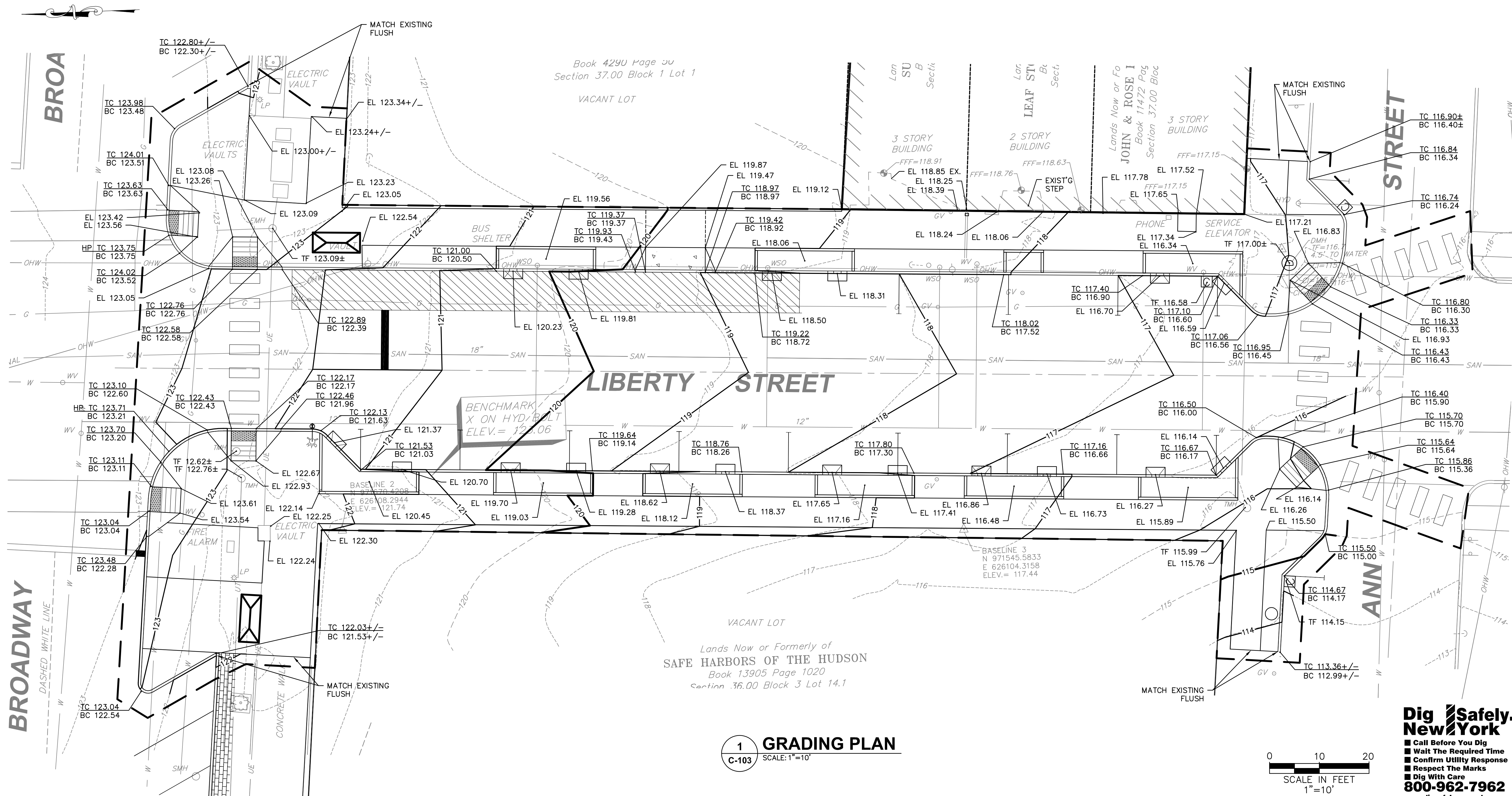
0 10 20  
SCALE IN FEET  
1"=10'



_____	DISTURBANCE LIMITS
_____ 119 _____	PROPOSED 1 FT CONTOURS
_____ 120 _____	PROPOSED 5 FT CONTOURS
_____ 121.07 _____	PROPOSED SPOT ELEVATION

1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR PROPERTY LINE.
3. RAISE ALL EXISTING UTILITY COVERS TO MATCH PROPOSED GRADES FLUSH.

TF	TOP OF FRAME
HP	HIGH POINT
LP	LOW POINT
TC	TOP OF CURB
BC	BOTTOM OF CURB
INV	INVERT
ME	MATCH EXISTING
EL	SPOT ELEVATION



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CONTRACT PHASE:

CONSTRUCTION  
DOCUMENTS

DATE \_\_\_\_\_

JULY 13, 2016

## ADDENDA/REVISIONS

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PROJECT  
NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

LIBERTY STREET  
CDBG SIDEWALKS

LOCATION:

LIBERTY STREET  
CITY OF NEWBURGH  
NASSAU COUNTY, NEW YORK

OWNER:

CITY OF NEWBURGH

SHEET TITLE:

# GRADING PLAN

DRAWING NUMBER:

C-103

SHEET 5 OF 15

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UTILITY AND E&SC LEGEND:

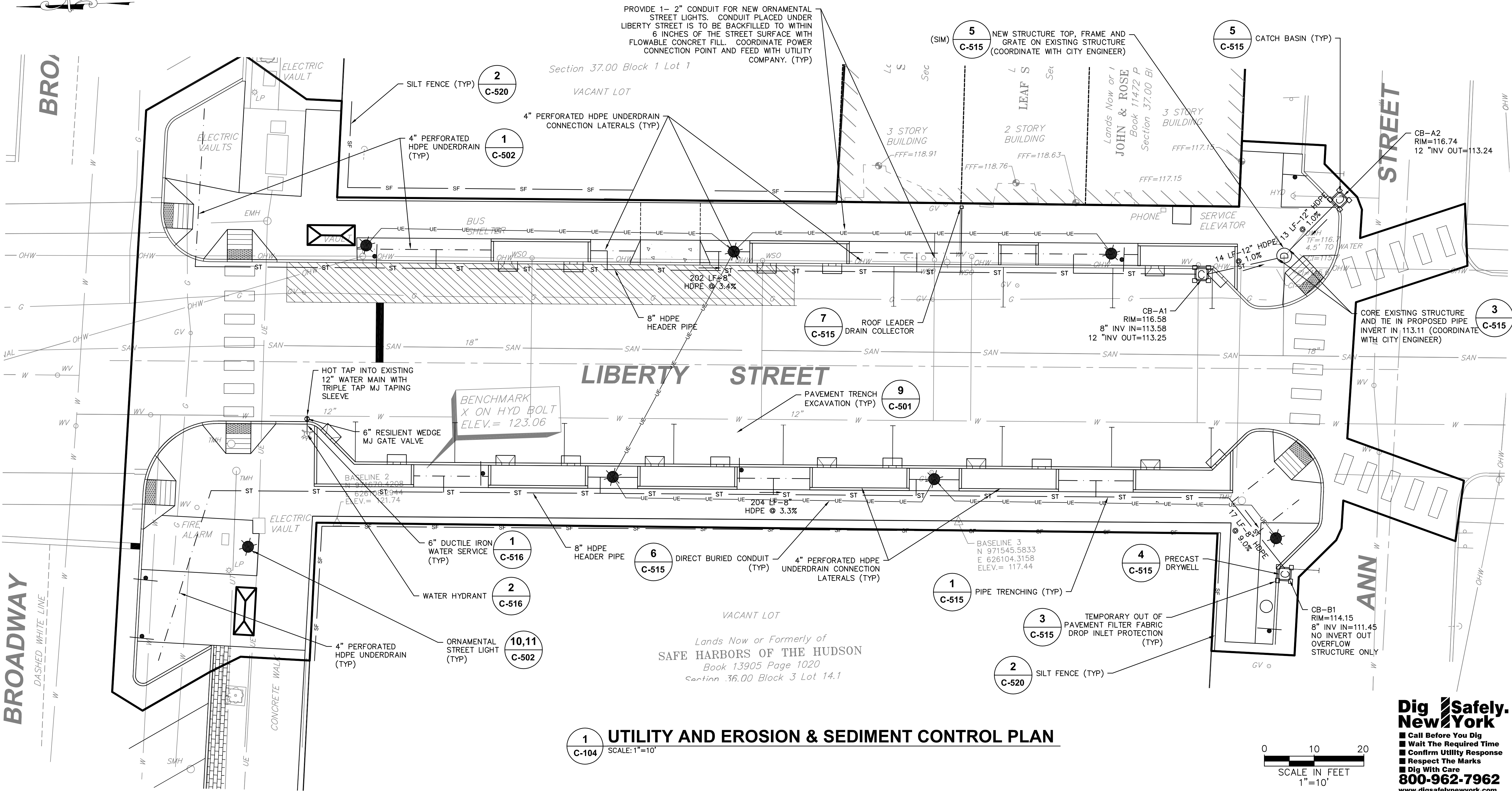
- — — — — DISTURBANCE LIMITS
- ST — — — — — PROPOSED STORMWATER PIPE
- — — — — PROPOSED UNDERDRAIN
- UE — — — — — PROPOSED UNDERGROUND ELECTRIC
- SF — — — — — TEMPORARY SILT FENCE
- PROPOSED ORNAMENTAL STREET LIGHT
- PROPOSED CATCH BASIN
- TEMPORARY OUT OF PAVEMENT  
FILTER FABRIC DROP INLET PROTECTION

GENERAL NOTES:

1. SEE SHEET C-520 FOR EROSION & SEDIMENT CONTROL NOTES AND DETAILS.

UTILITY NOTES:

- ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE CITY ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.
- ALL STORM SEWER SHALL BE SMOOTH INTERIOR HDPE UNLESS OTHERWISE SPECIFIED.
- ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON PIPE UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION.
- EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK.
- BEFORE CONSTRUCTION LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE FOR THE DURATION OF THE WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK.
- CONTRACTOR SHALL COORDINATE AND NOTIFY CITY OF NEWBURGH WATER DEPARTMENT BEFORE STARTING ANY WATER MAIN AND HYDRANT WORK.



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CONTRACT PHASE:  
**CONSTRUCTION DOCUMENTS**

DATE:  
**JULY 13, 2016**

ADDENDA/REVISIONS

NO.	NAME	DATE

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PROJECT NUMBER:  
DESIGNED BY:  
DRAWN BY:  
CHECKED BY:

PROJECT TITLE:  
**LIBERTY STREET CDBG SIDEWALKS**

LOCATION:  
LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

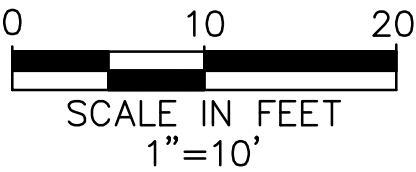
OWNER:  
CITY OF NEWBURGH

SHEET TITLE:  
**UTILITY AND E&SC PLAN**

DRAWING NUMBER:  
**C-104**

SHEET 6 OF 15

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The diagram shows a proposed tree with a circular canopy and a central trunk. To the right of the tree is a table with two rows: the first row has 'CA' in the first column and 'PLANT NAME' in the second; the second row has '20' in the first column and 'PLANT QUANTITY' in the second. Below the table is a horizontal bar representing the proposed asphalt pavement. Below that is a pattern of squares representing the proposed stamped concrete sidewalk. Below that is a horizontal line with small circles representing the proposed broom finished concrete sidewalk. Below that is a pattern of dots representing the proposed porous asphalt sidewalk. At the bottom is a horizontal line with a small circle representing the proposed sign location.

CA	PLANT NAME
20	PLANT QUANTITY

PROPOSED TREE

PROPOSED ASPHALT PAVEMENT

PROPOSED STAMPED CONCRETE SIDEWALK

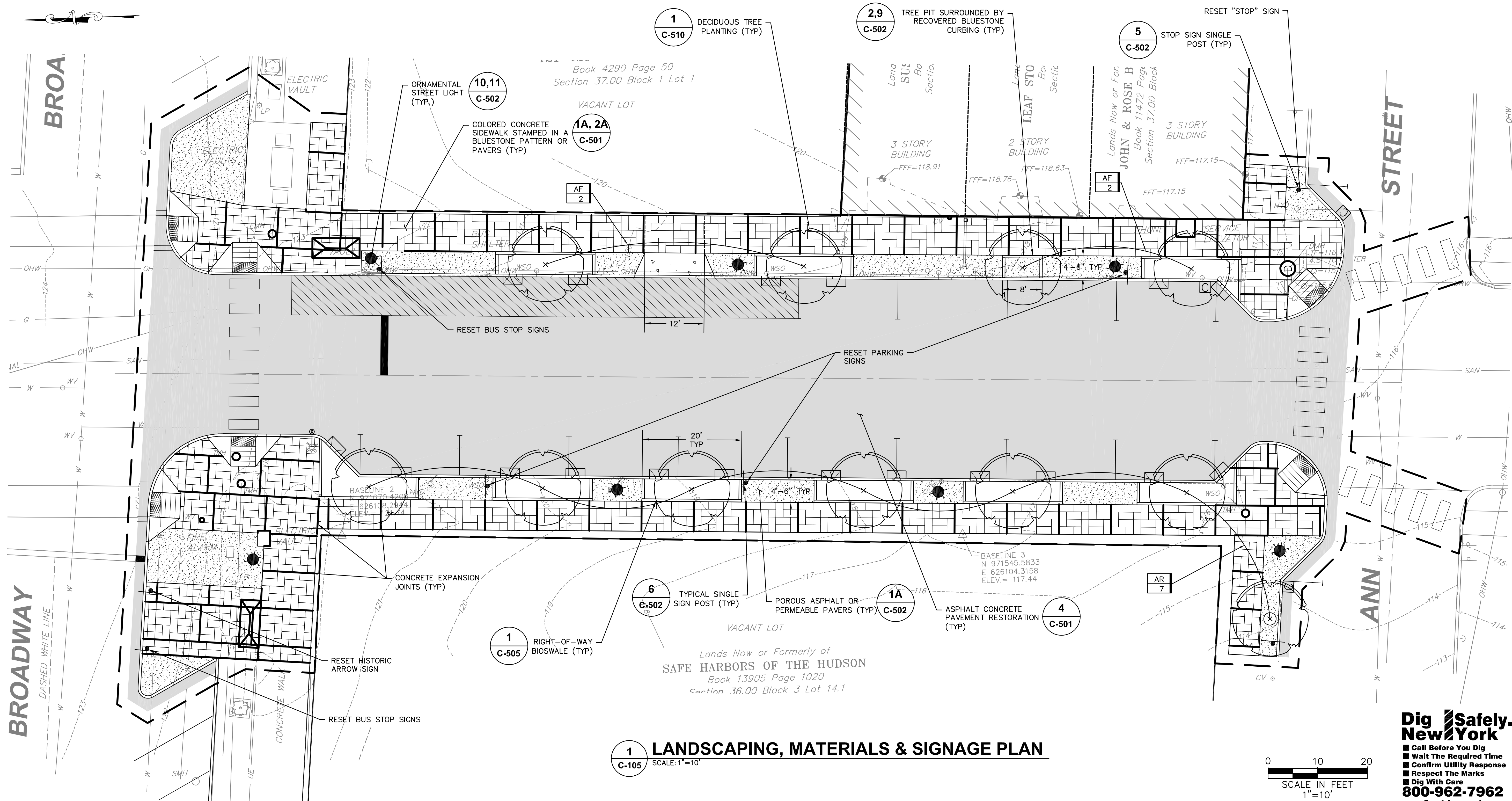
PROPOSED BROOM FINISHED CONCRETE SIDEWALK

PROPOSED POROUS ASPHALT SIDEWALK

PROPOSED SIGN LOCATION

[illegible]

1. SEE SHEET C-510 FOR LANDSCAPING NOTES AND DETAILS
2. ALL EXISTING SIGNS SHALL BE RESET ON NEW POSTS.



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CONTRACT PHASE:

# CONSTRUCTION DOCUMENTS

DATE:

JULY 13, 2016

NO.	NAME	DATE
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PROJECT  
NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

LIBERTY STREET  
CDBG SIDEWALKS

LOCATION:

LIBERTY STREET  
CITY OF NEWBURGH  
WESSEX COUNTY, NEW YORK

OWNER:

CITY OF NEWBURGH

SHEET TITLE:

# LANDSCAPING, MATERIALS & SIGNAGE PLAN

DRAWING NUMBER:

# C-105

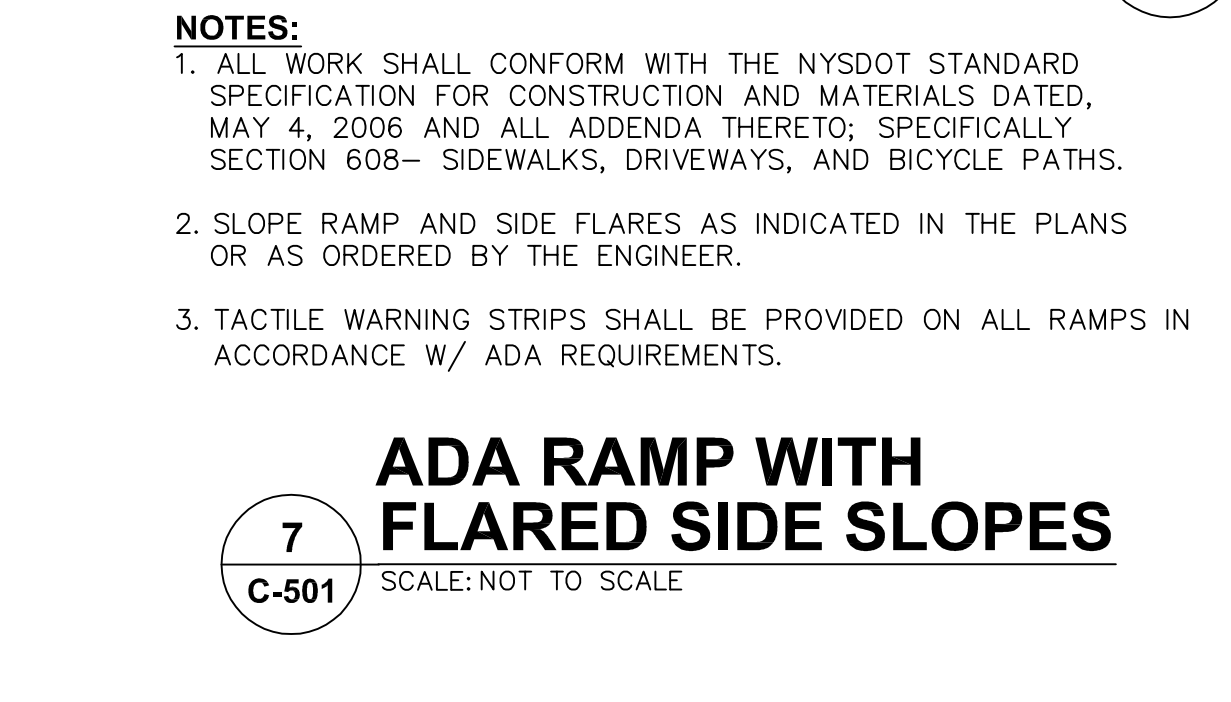
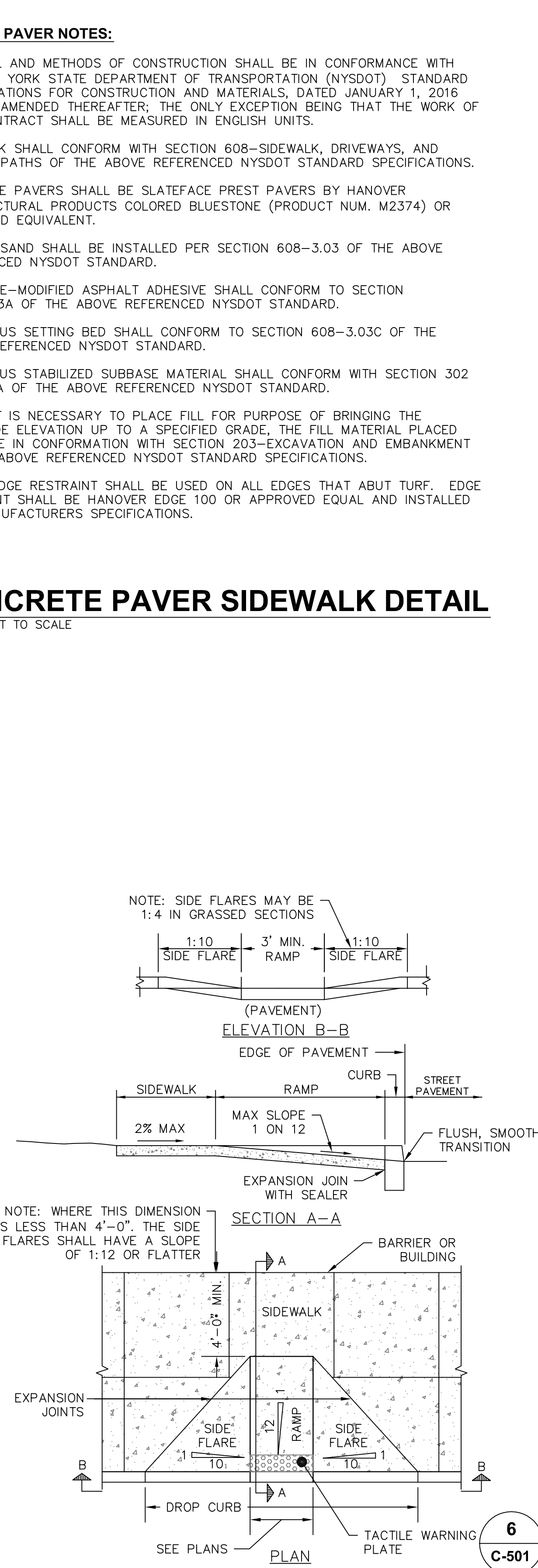
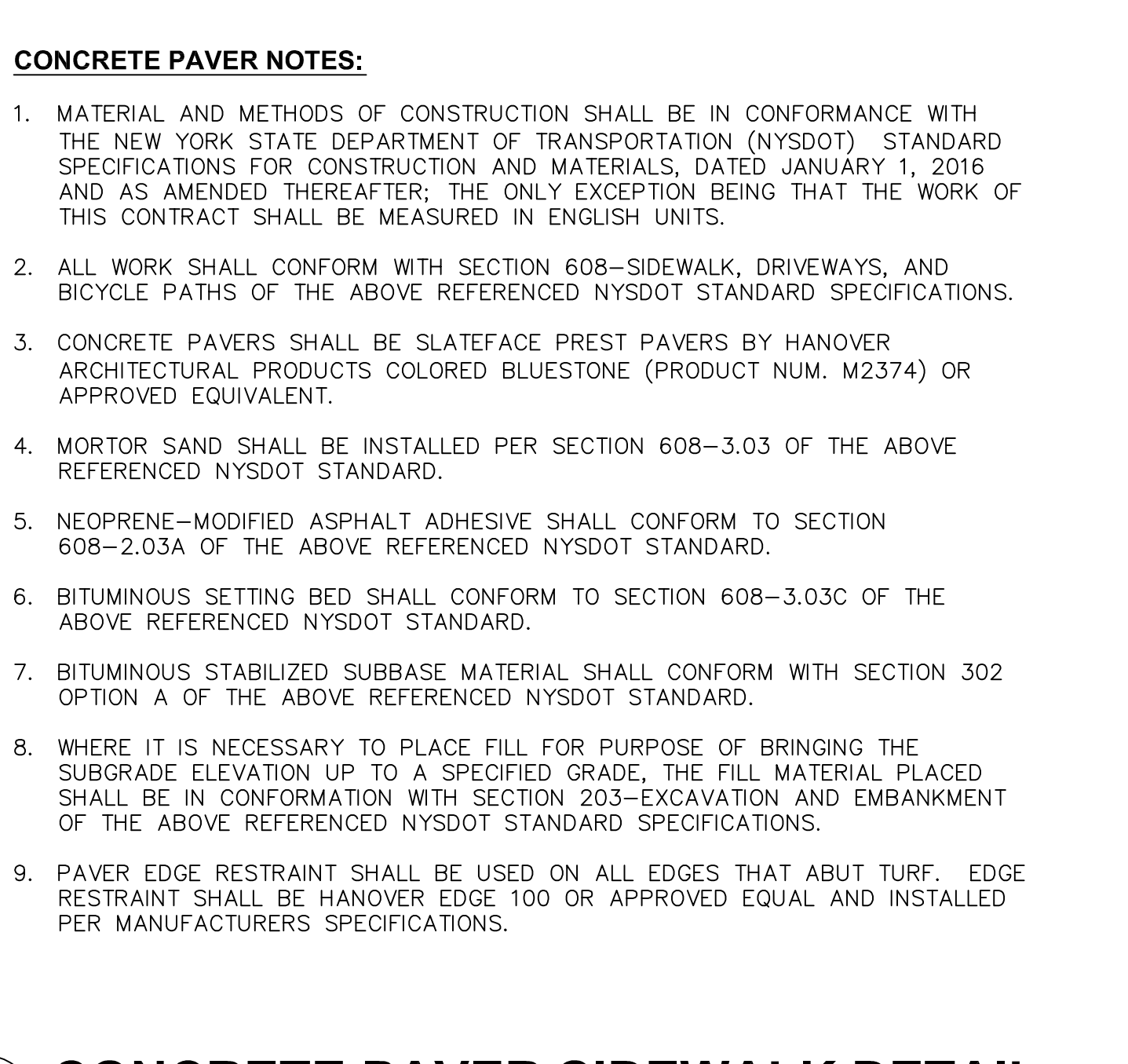
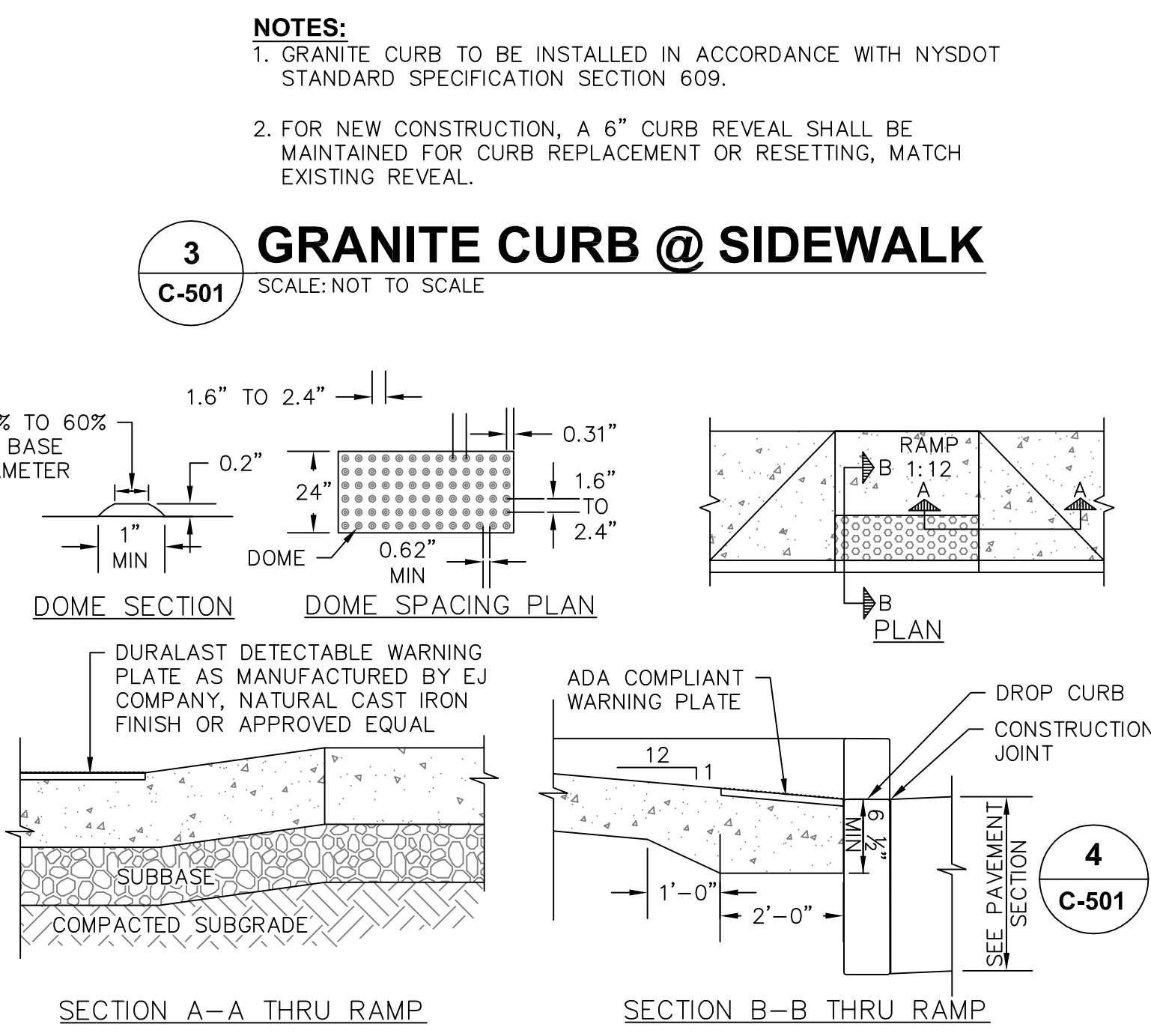
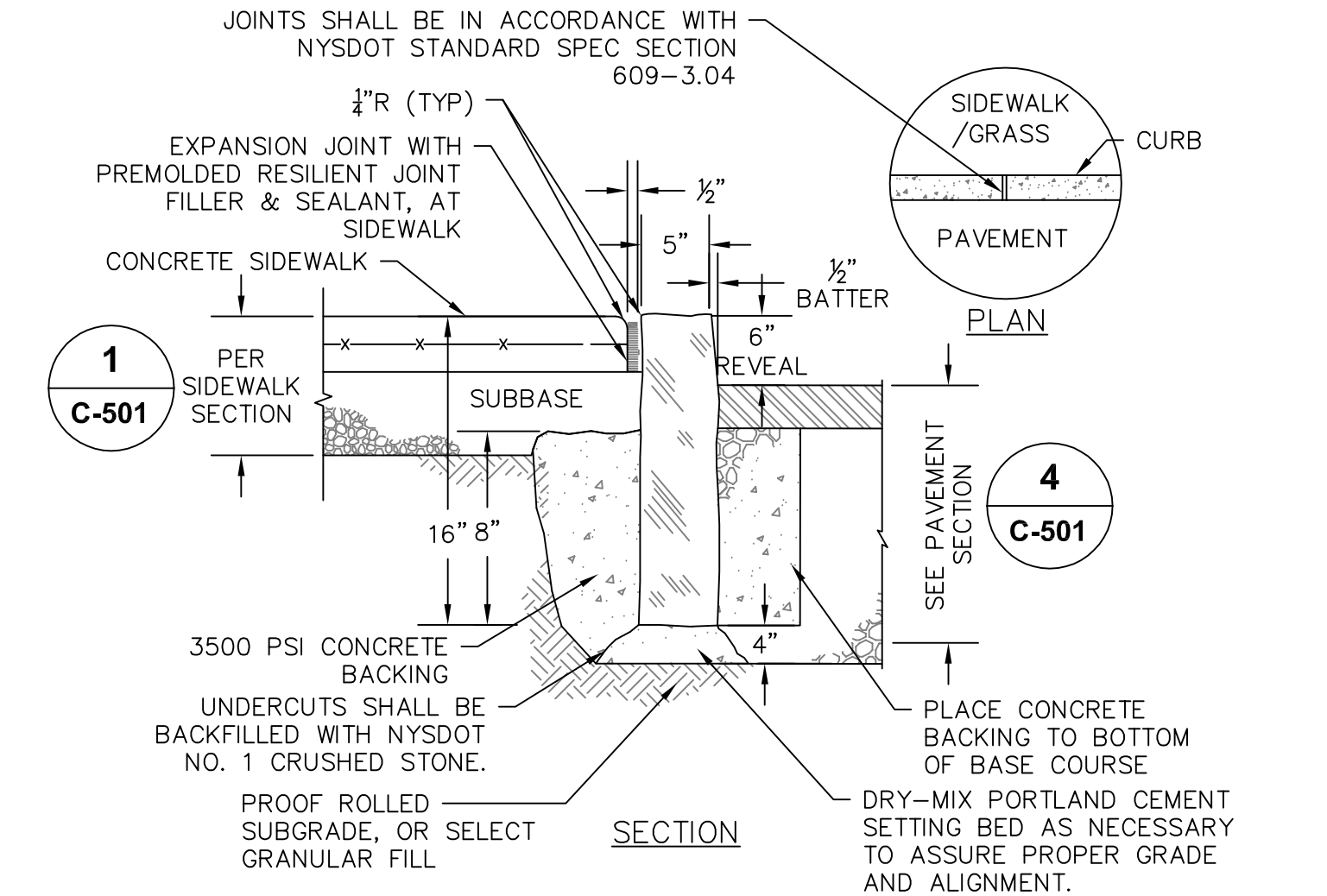
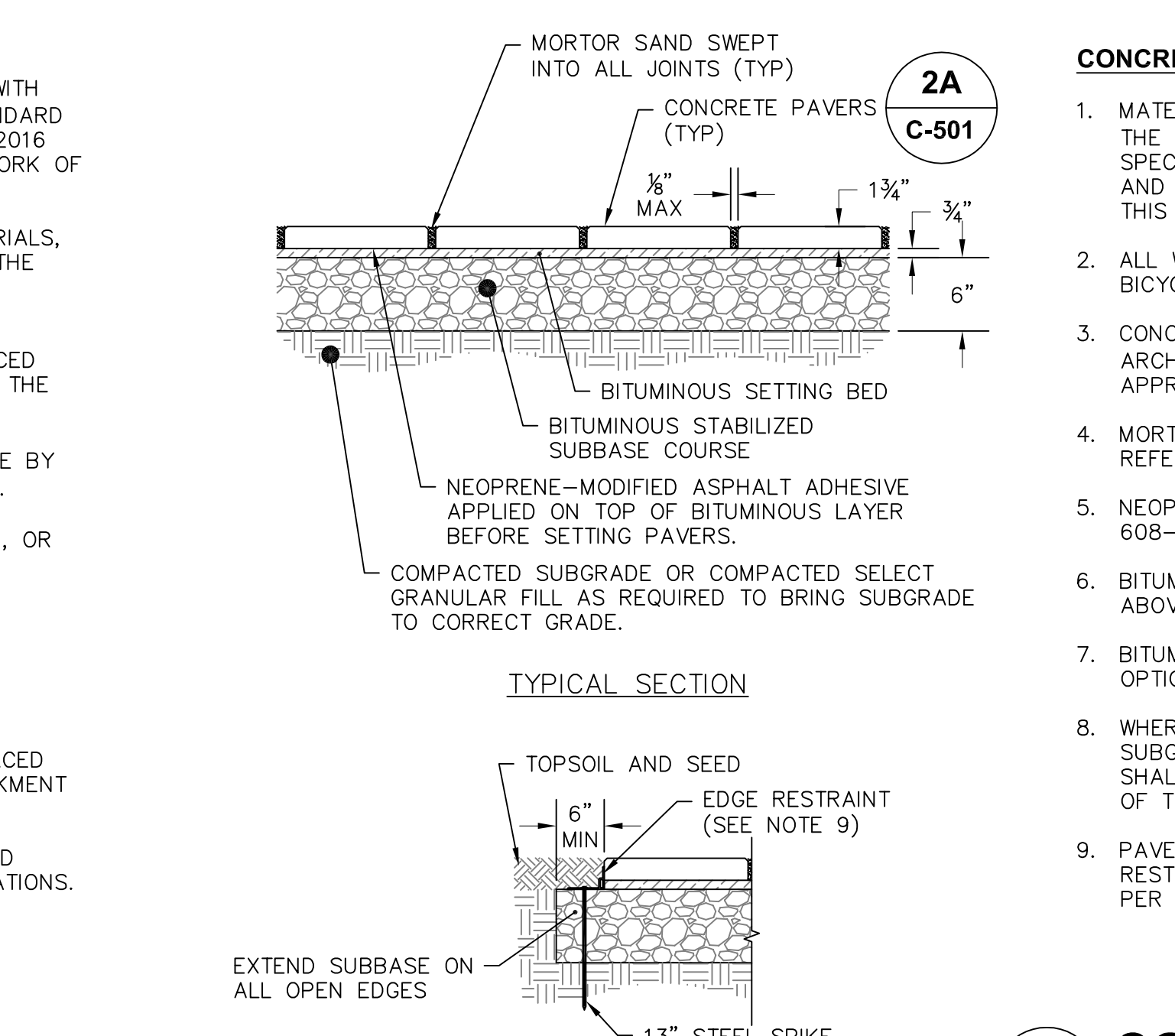
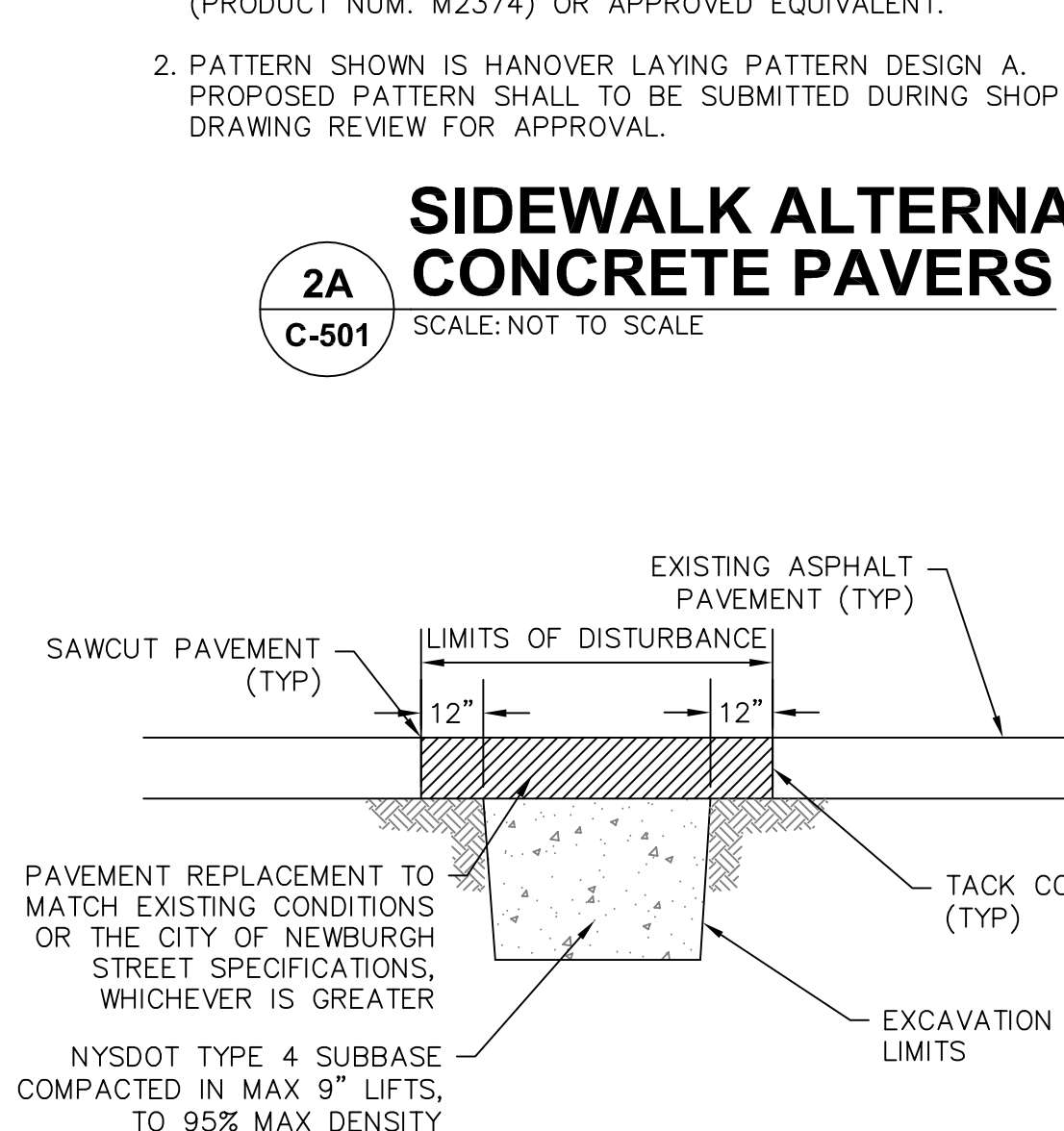
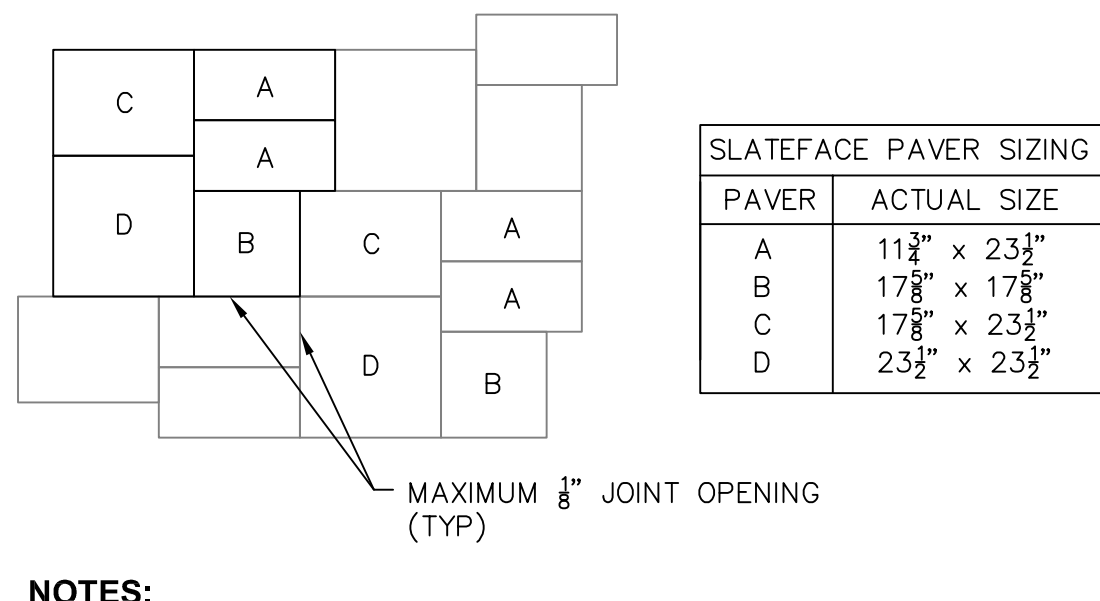
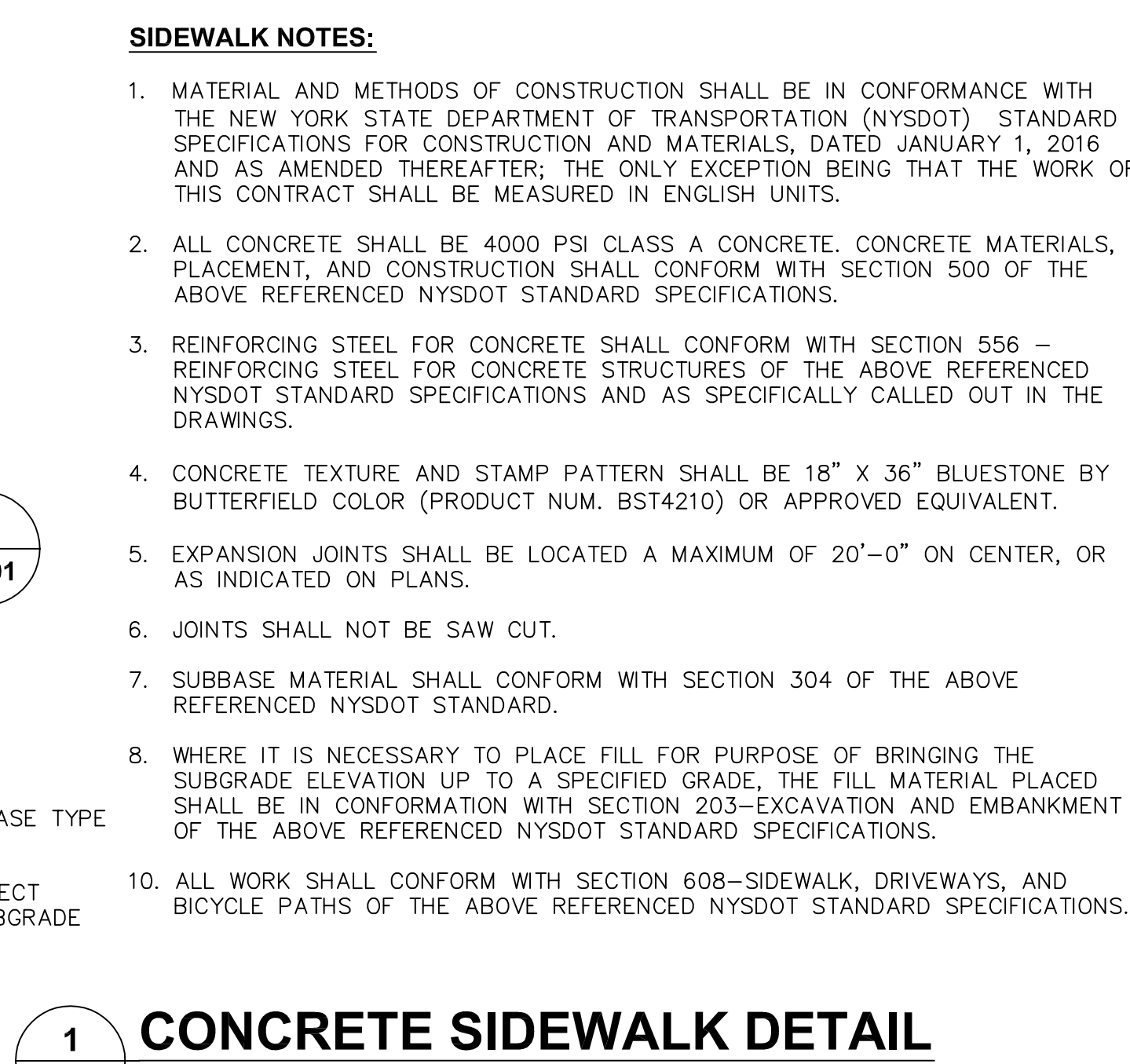
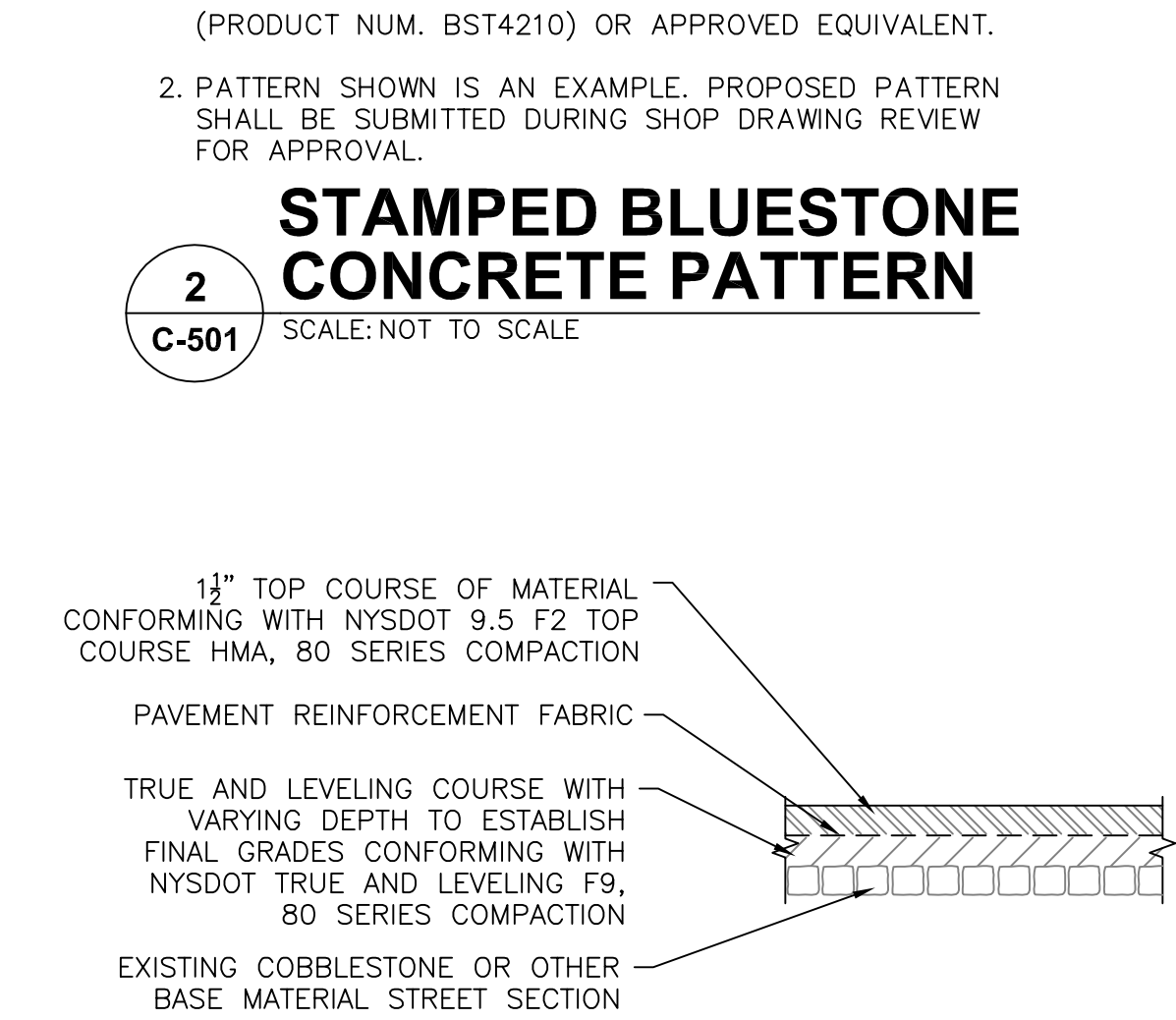
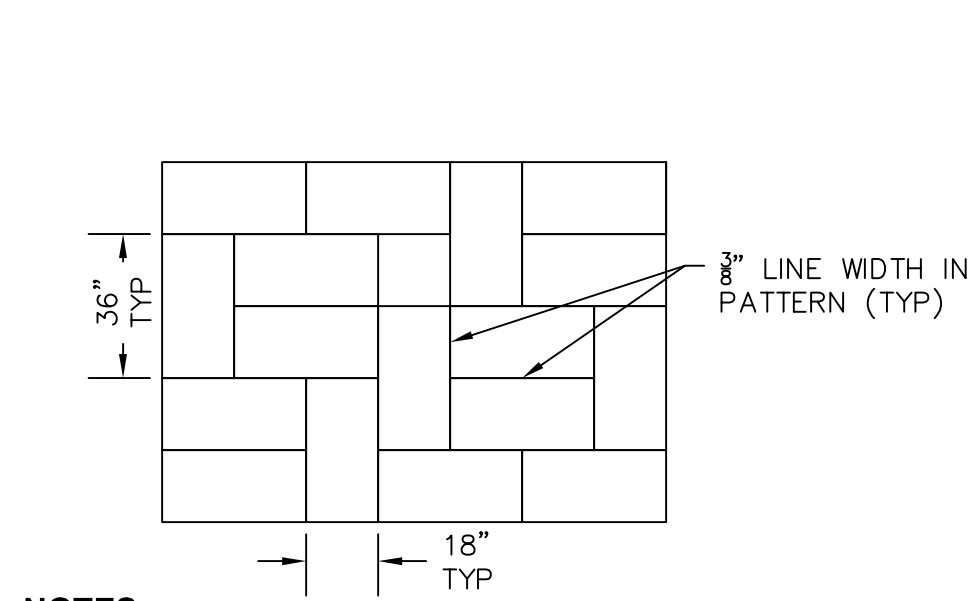
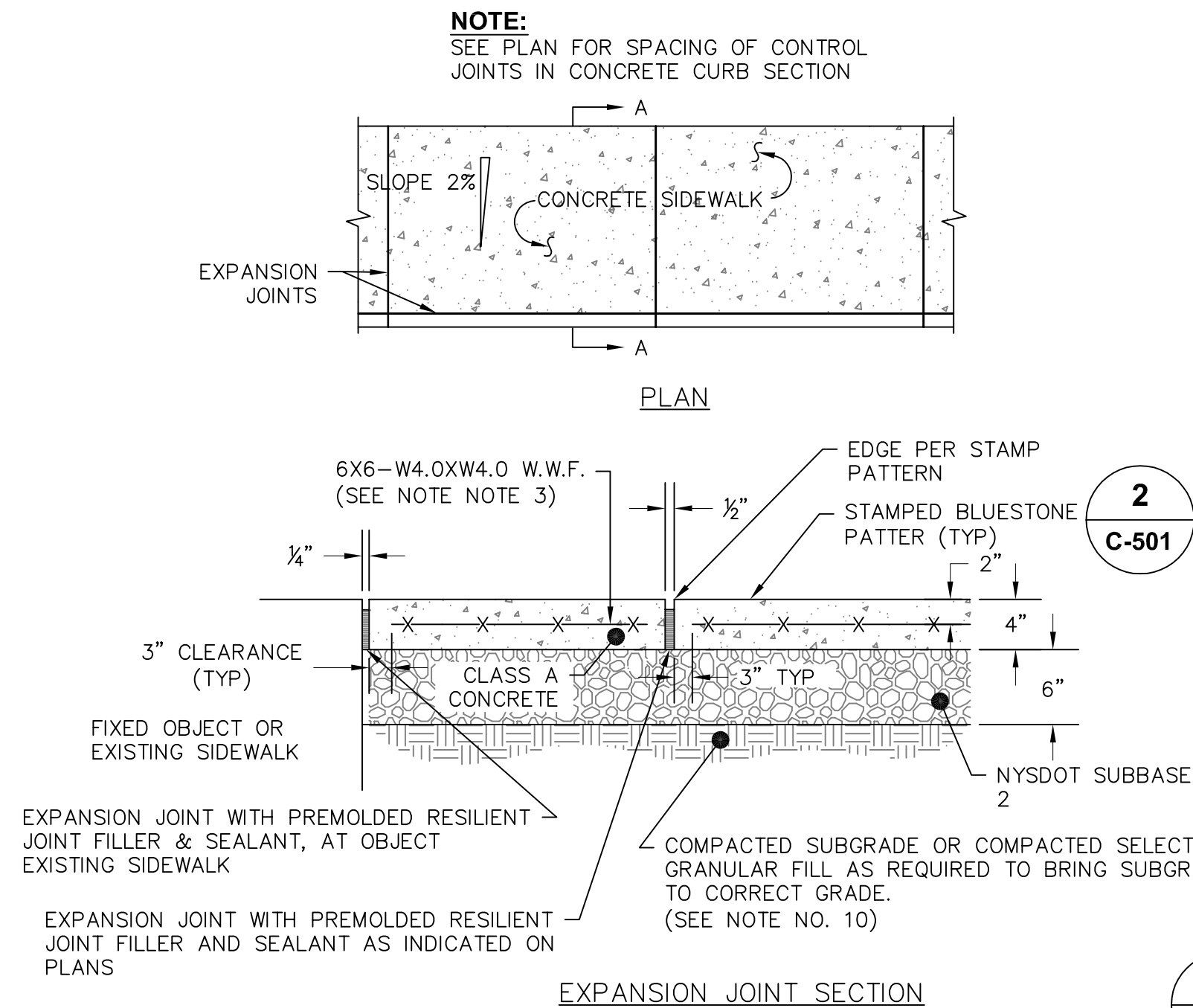
SHEET 7 OF 15


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TEL: (845) 569-7300

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CONTRACT PHASE:  
**CONSTRUCTION DOCUMENTS**

DATE:  
**JULY 13, 2016**

ADDENDA/REVISIONS

NO.	NAME	DATE

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PROJECT NUMBER:  
DESIGNED BY:  
DRAWN BY:  
CHECKED BY:

PROJECT TITLE:  
**LIBERTY STREET CDBG SIDEWALKS**

LOCATION:  
**LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK**

OWNER:  
**CITY OF NEWBURGH**

SHEET TITLE:  
**SITE DETAILS**

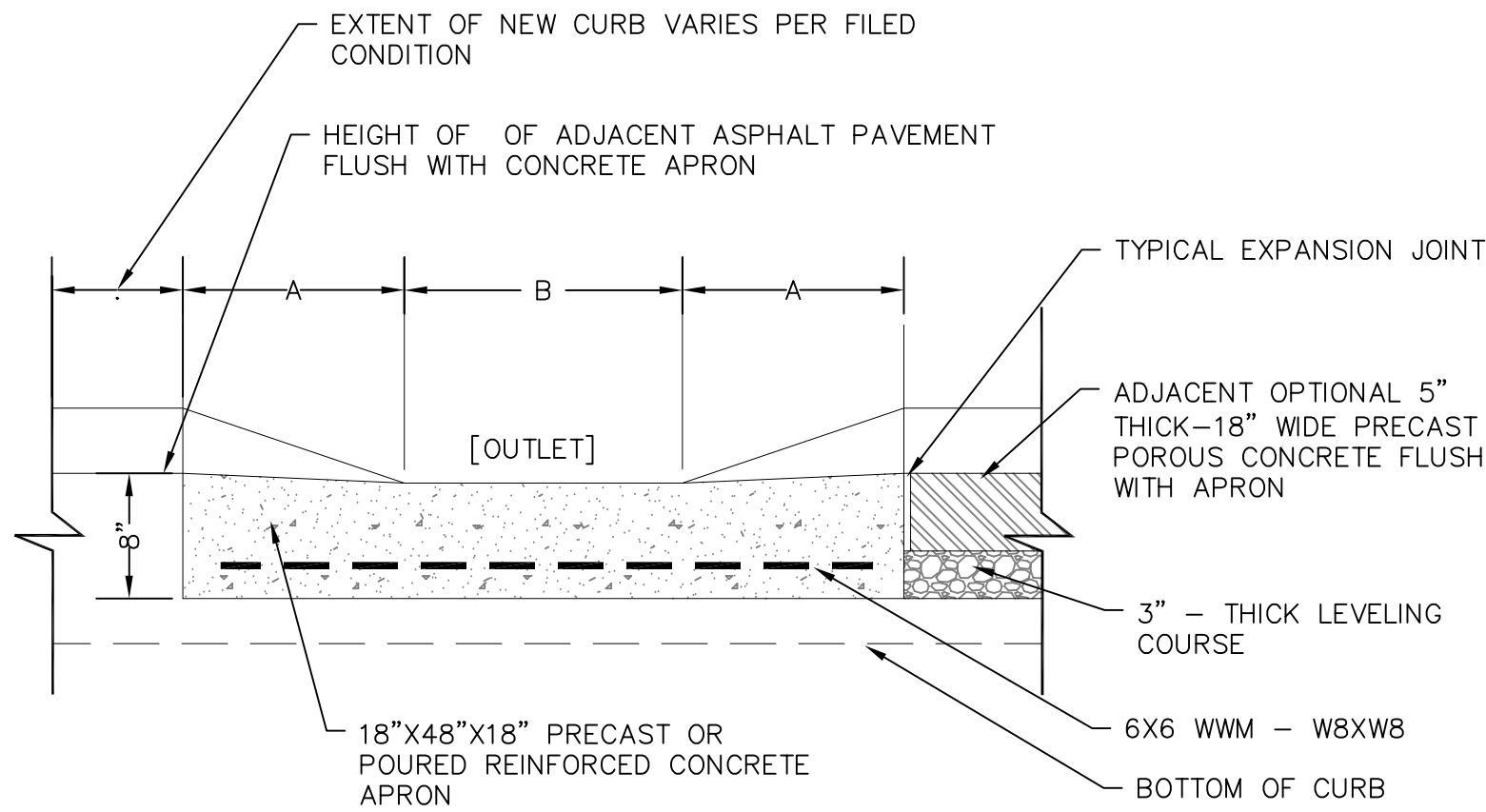
DRAWING NUMBER:  
**C-501**

SHEET **8** OF **15**

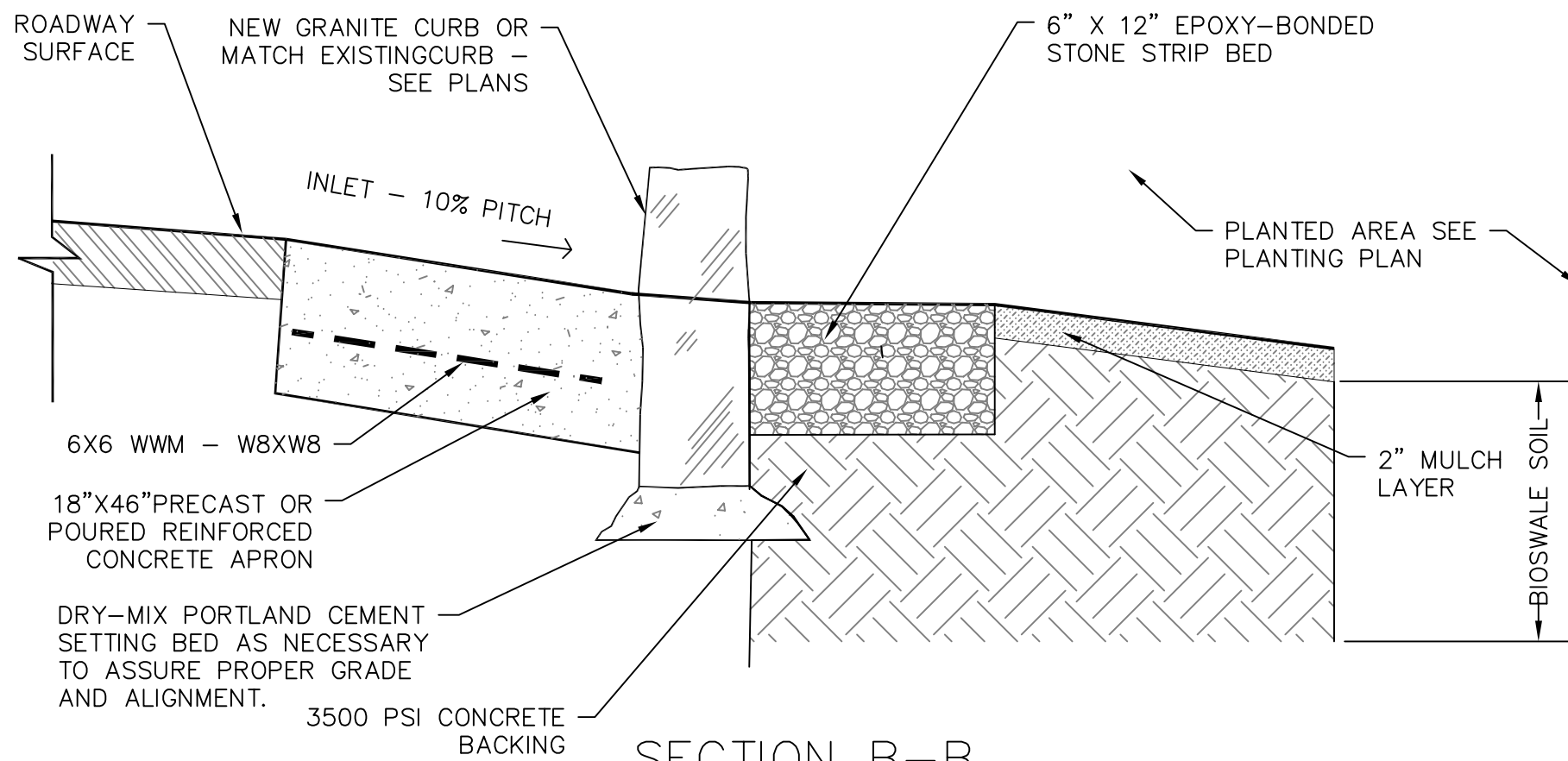




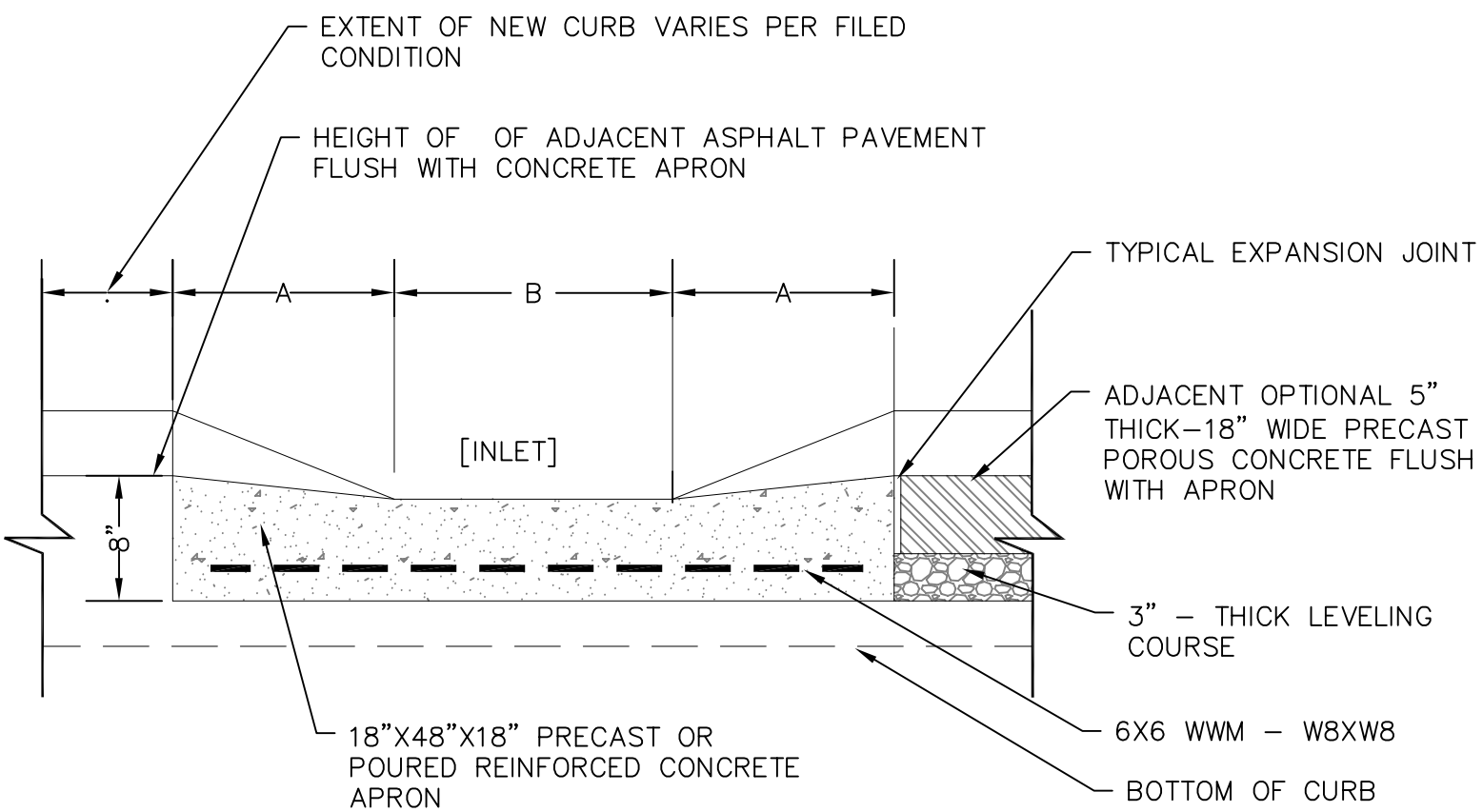




SECTION A-A



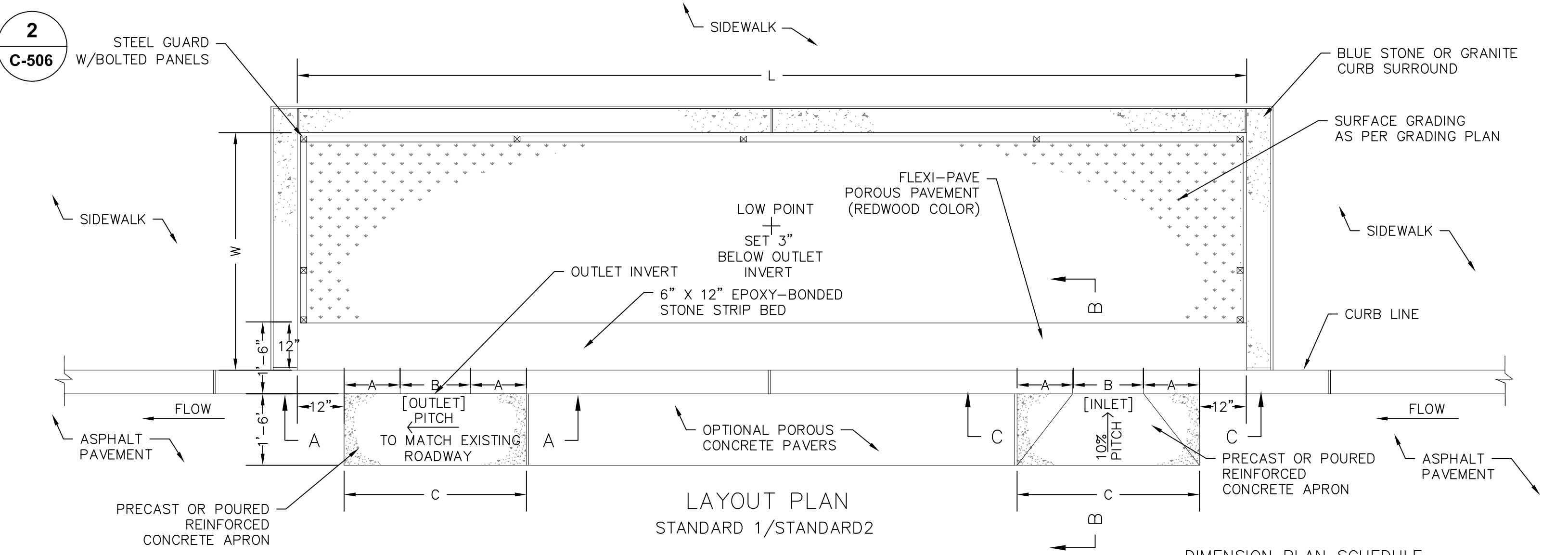
SECTION B-B



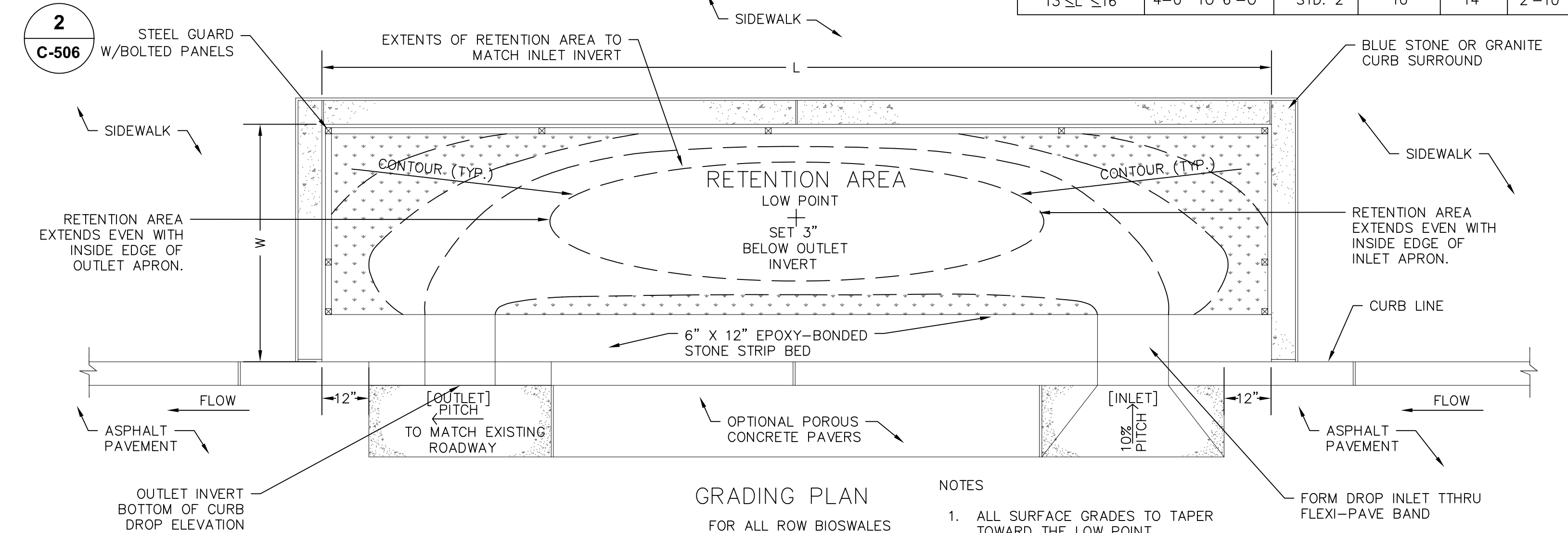
SECTION C-C

NOTES:

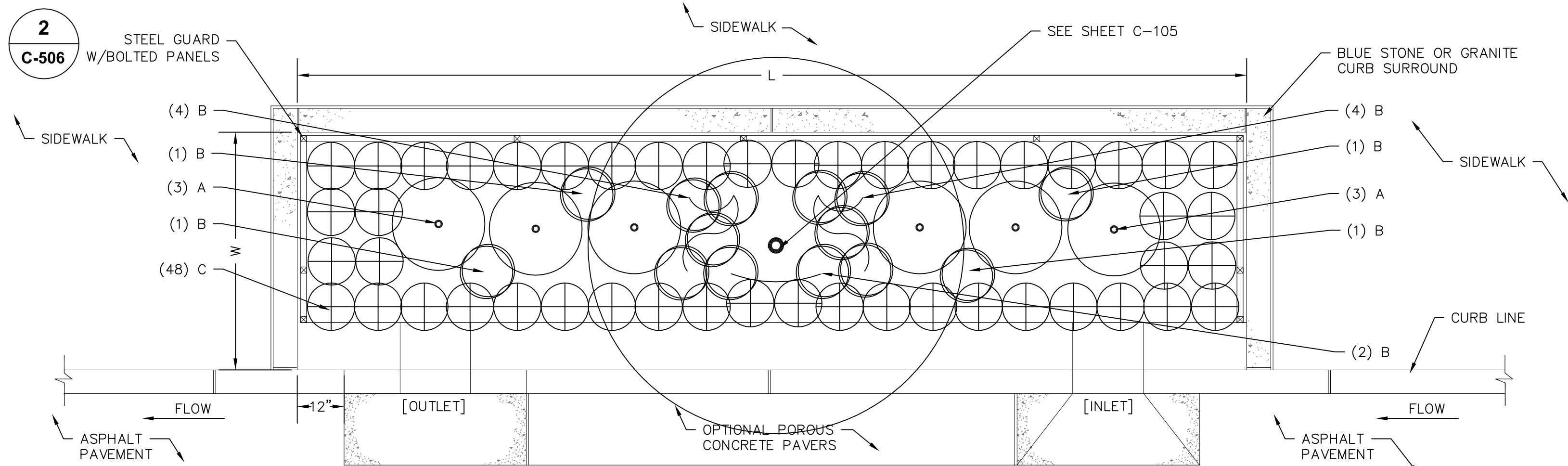
1. SEE SHEET C-506 FOR ADDITIONAL R.O.W. BIOSWALE DETAILS



R.O.W BIOSWALE		INLET/OUTLET DIMENSIONS			
LENGTH (L) 1FT.INCREMENT	WIDTH (W) 6 IN.INCREMENT	STANDARD	A	B	C
17'≤L ≤20'	4'-0" TO 6'-0"	STD. 1	14"	18"	3'-10"
13'≤L ≤16'	4'-0" TO 6'-0"	STD. 2	10"	14"	2'-10"



- NOTES
1. ALL SURFACE GRADES TO TAPER TOWARD THE LOW POINT
  2. CONTOUR LINES SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND DEPEND ON THE ACTUAL STREET GRADE ADJACENT TO THE BIOSWALE



QTY.	KEY	PLAN VERSION	TYPE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
6	A	A	SHRUB	ILEX GLABRA 'SHAMROCK'	INKBERRY	B&B	2' O.C.
		B	ROSE	ROSA PALUSTRIS	SWAMP ROSE	#2/#3CONT.	
12	B	A	PERENNIAL	HIBISCUS MOSCHEUTOS 'LUNA PINK'	HARDY HIBISCUS	#2 CONT.	12" O.C.
		B	PERENNIAL	RUDEKIA SUBTOMENTOSA 'HENRY EILERS'	SWEET CONEFLOWER	#2 CONT.	
48	C	A	GRASSES	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	FOUNTAIN GRASS	#2 CONT.	12" O.C.
		B	GRASSES	CAREX 'ICE DANCE'	SEDGE	#2 CONT.	

1 R.O.W. BIOSWALE  
SCALE: NOT TO SCALE



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CONSTRUCTION DOCUMENTS

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PROJECT NUMBER:	
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DRAWN BY:	
CHECKED BY:	

PROJECT TITLE:  
LIBERTY STREET  
CDBG SIDEWALKS

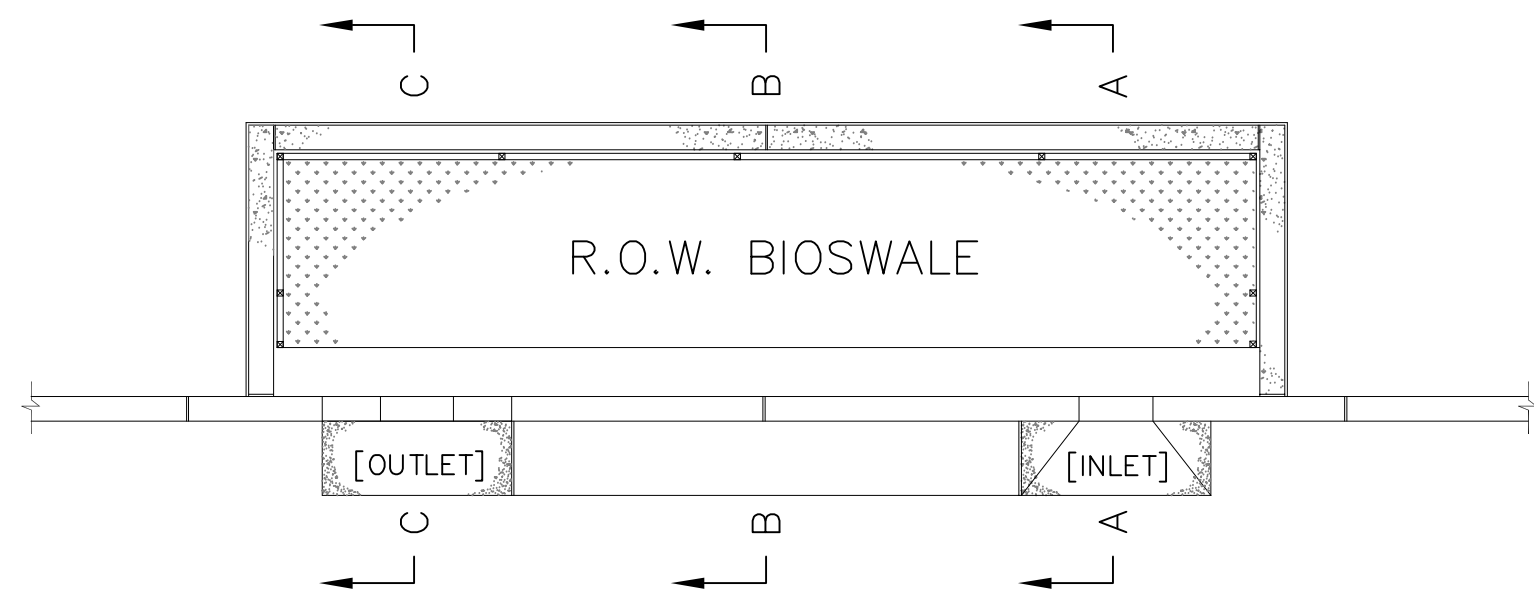
LOCATION:  
LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:  
CITY OF NEWBURGH

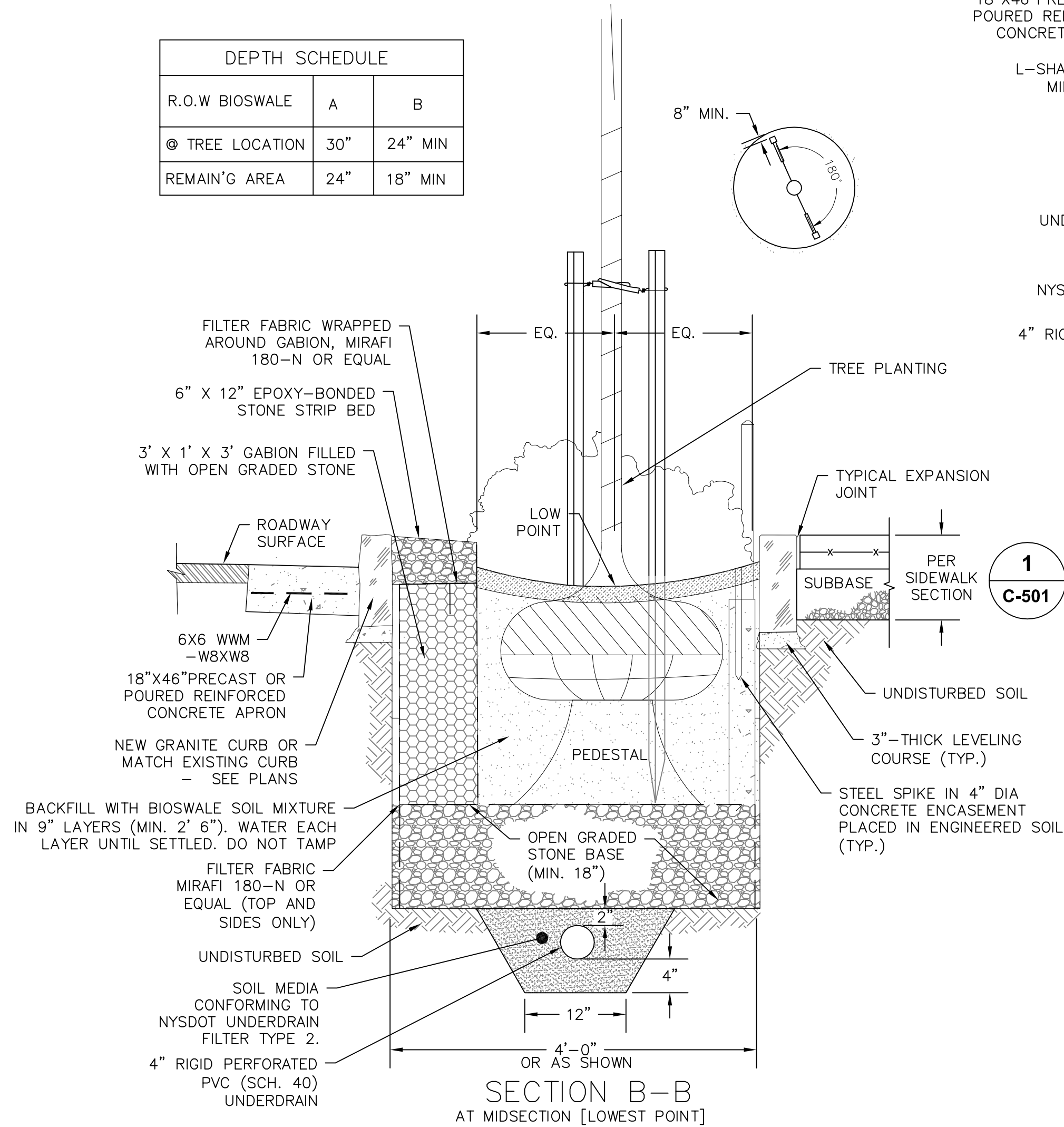
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DRAWING NUMBER:

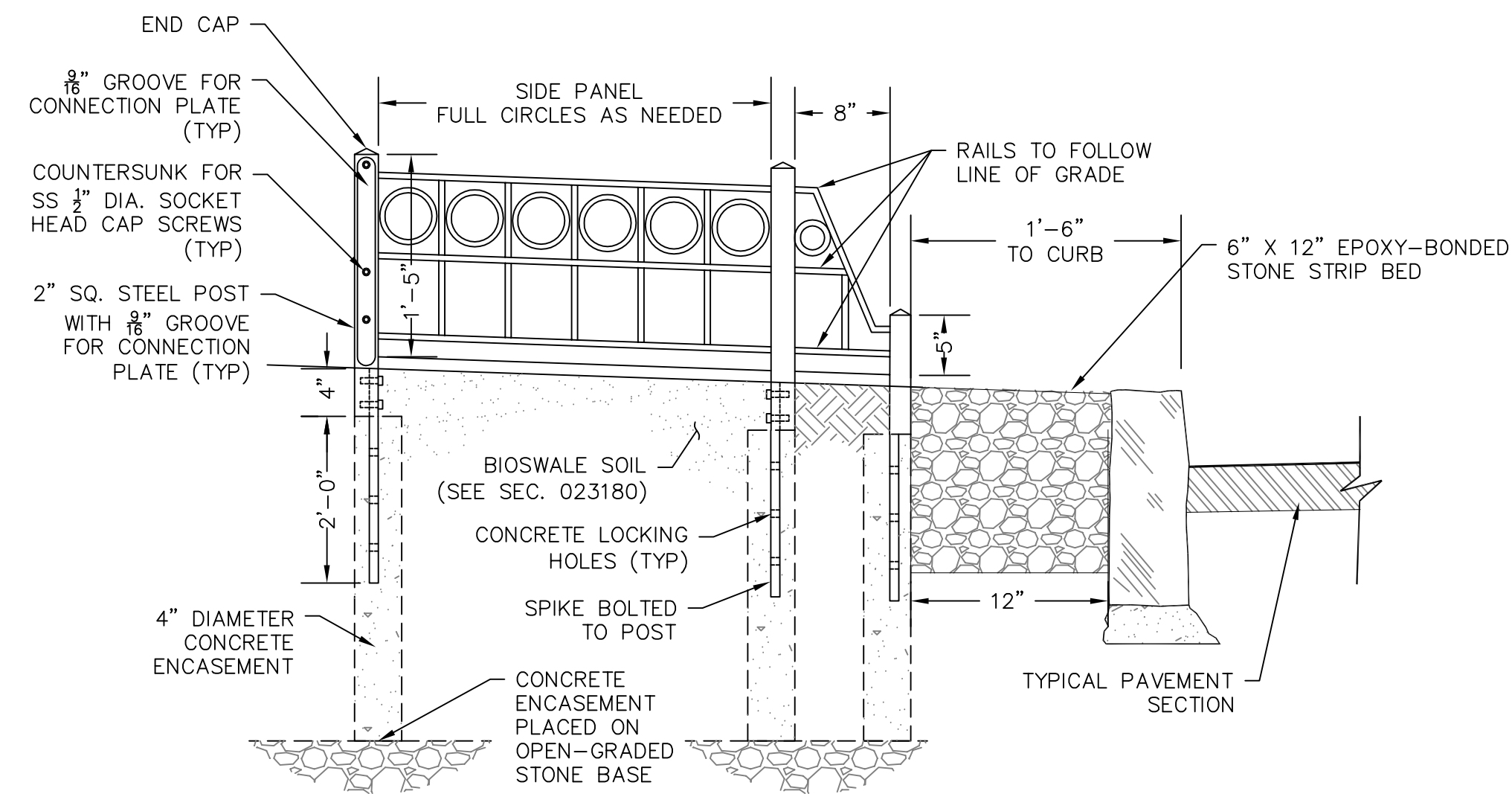
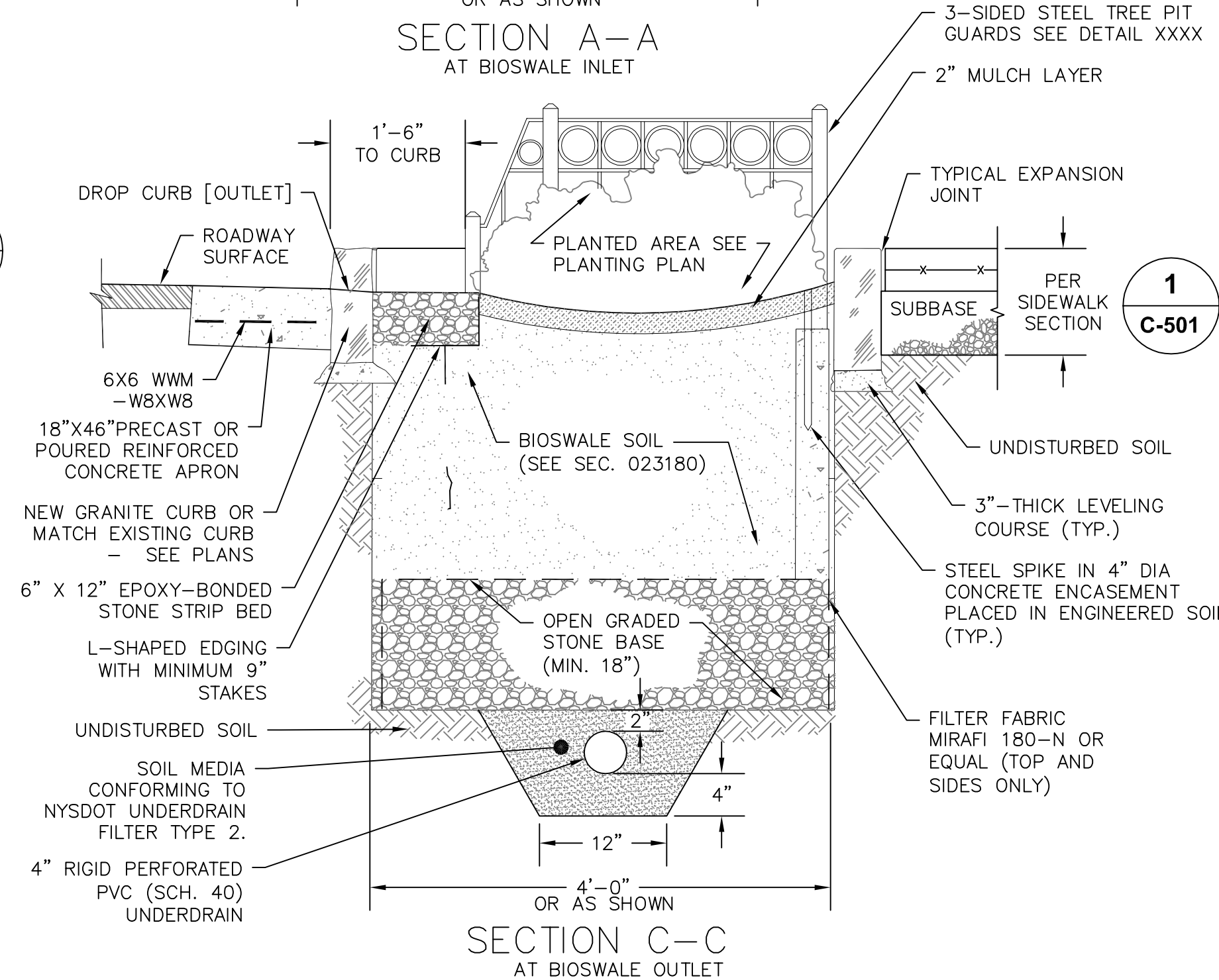
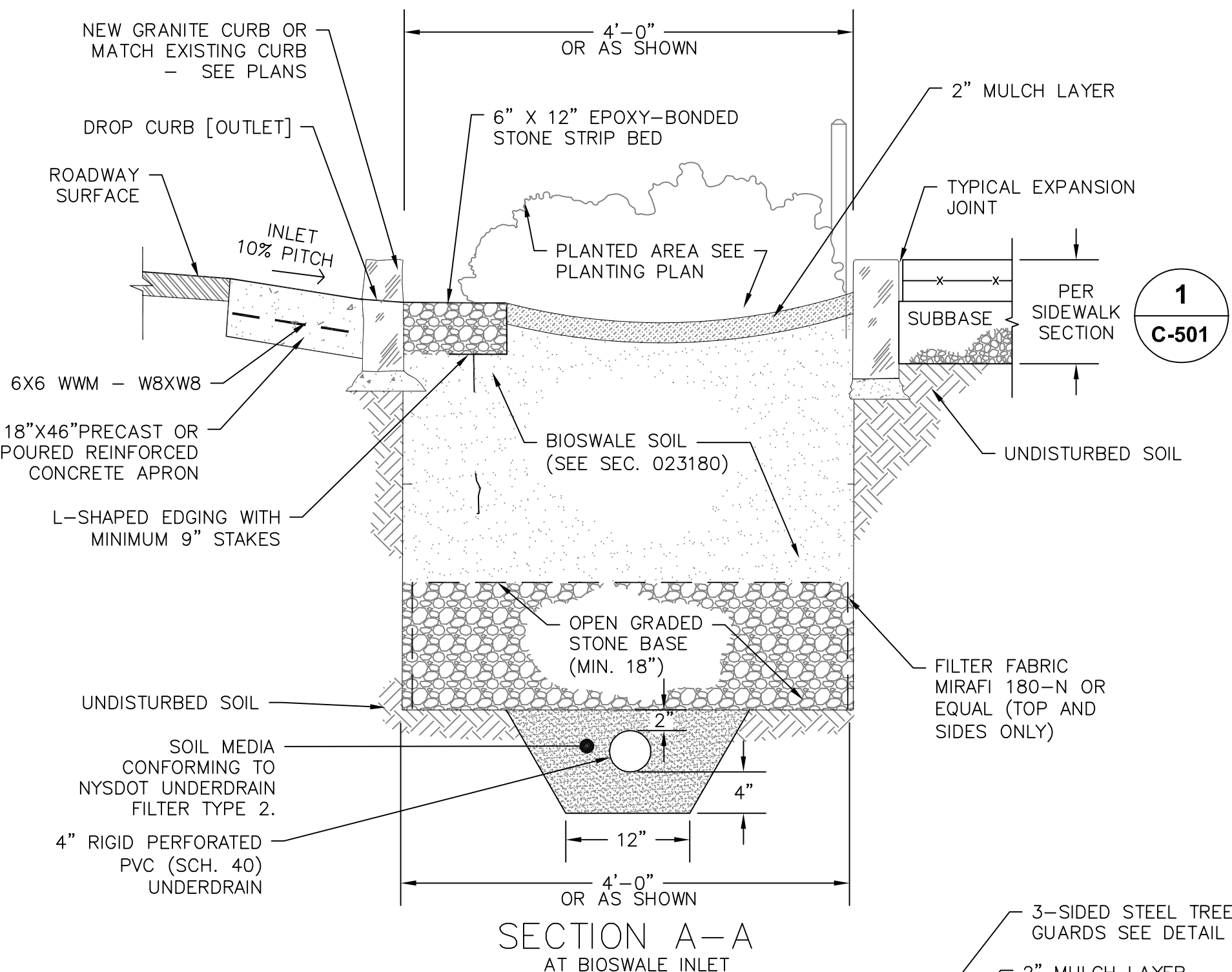




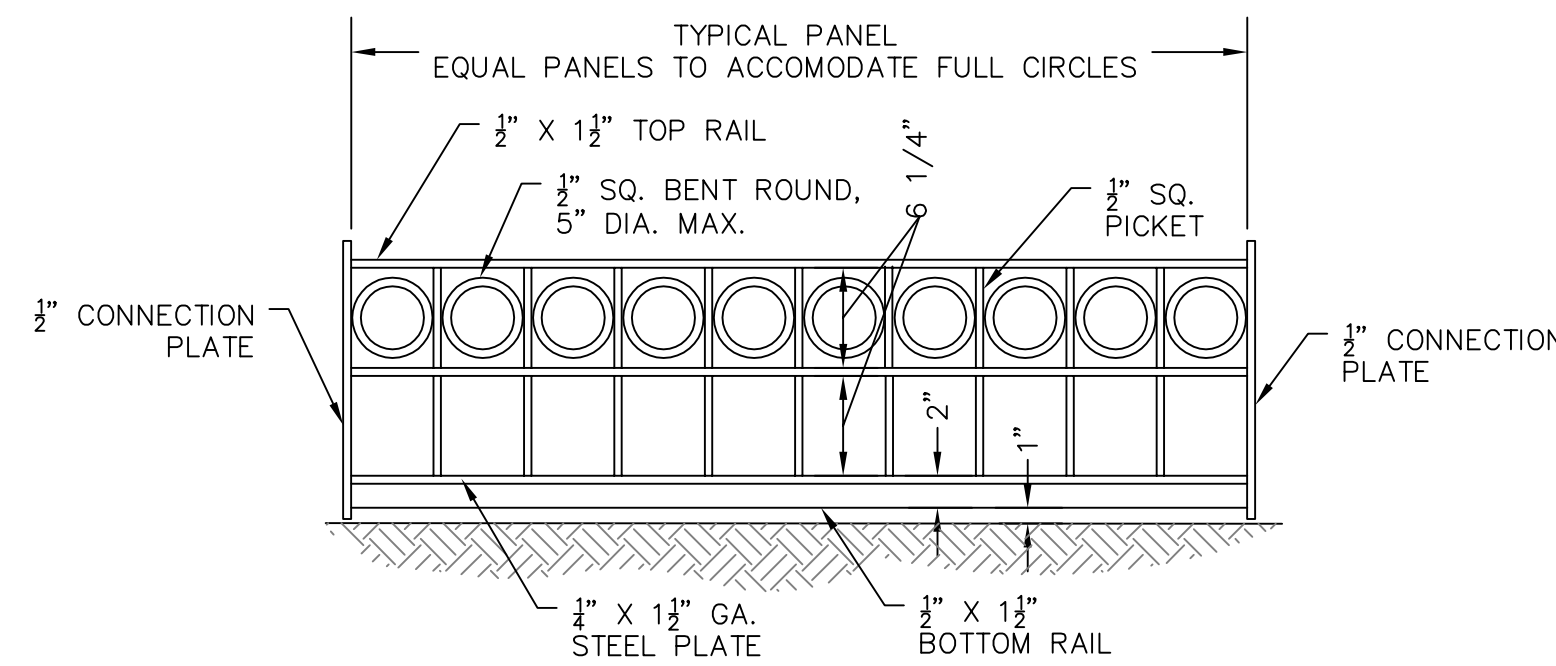
DEPTH SCHEDULE		
R.O.W BIOSWALE	A	B
⊙ TREE LOCATION	30"	24" MIN
REMAIN'G AREA	24"	18" MIN



**1**  
**C-506** **R.O.W. BIOSWALE SECTIONS**  
SCALE: NOT TO SCALE



**SIDE SECTION**



**TYPICAL SECTION**

**NOTES:**

1. ALL STEEL SHALL CONFORM TO ASTM-A36 SPECIFICATION.
2. ALL JOINTS TO BE WELDED UNLESS NOTED OTHERWISE.
3. ALL POST AND GROOVE CONNECTIONS TO BE BOLTED.
4. ALL VISIBLE BOLTS TO BE COUNTERSUNK AND FLUSHED WITH THE POSTS.
5. ALL STEEL TO BE PAINTED WITH ONE SHOP COAT OF PRIMER AND ONE SHOP COAT OF INTERMEDIATE AND ONE SHOP COAT (OR ROLLED FIELD COAT) OF FINISH TOP COAT. THE COLOR OF TOP COAT SHALL BE BLACK. ALL COMPONENTS OF PAINT SHALL BE COMPATIBLE AND SUPPLIED BY A SINGLE MANUFACTURER. ALL PAINT SHALL BE APPLIED IN COMPLIANCE WITH MANUFACTURER'S DATA SHEETS. PRIOR TO FIELD PAINTING, THE SURFACES TO BE PAINTED SHALL BE CLEAN, DRY AND LIGHTLY SANDPAPERED.
6. RAILS TO FOLLOW LINE OF GRADE.
7. ALL SPIKES OF TREE FENCING TO BE EMBEDDED IN CONCRETE PER DETAIL.

**2**  
**C-506** **R.O.W. BIOSWALE FENCE**  
SCALE: NOT TO SCALE



CITY OF NEWBURGH  
83 BROADWAY  
NEWBURGH, NY 12550  
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THE NEW YORK STATE LAW AND IS  
A CLASS 'A' MISDEMEANOR.

CONTRACT PHASE:

**CONSTRUCTION  
DOCUMENTS**

DATE:

**JULY 13, 2016**

**ADDENDA/REVISIONS**

NO.	NAME	DATE

THIS DRAWING REFLECTS ALL CHANGES  
PREVIOUSLY MADE ON THIS SHEET.  
VERIFY THAT PREVIOUS CHANGES HAVE  
BEEN INCORPORATED INTO THE  
CONTRACT BEFORE PROCEEDING WITH  
ANY WORK. NOT SPECIFICALLY  
REFERENCED BY THIS REVISION.

PROJECT  
NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

**LIBERTY STREET  
CDBG SIDEWALKS**

LOCATION:  
**LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK**

OWNER:

**CITY OF NEWBURGH**

SHEET TITLE:

**BIOSWALE  
DETAILS**

DRAWING NUMBER:

**C-506**

SHEET **11** OF **15**



VEGETATIVE COVER SPECIFICATIONS:

PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):

1. SITE PREPARATION
- A. BRING AREA TO BE SEEDED TO REQUIRED GRADE. A MINIMUM OF 4" OF TOPSOIL IS REQUIRED.

B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 INCHES.

C. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE SURFACE.

D. LIME TO PH OF 6.5.

E. FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF.

F. INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL.

G. SMOOTH AND FIRM THE SEEDBED.
2. SEED MIXTURE FOR USE ON LAWN AREAS: PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS.

LAWN SEED MIX: (APPLY AT RATE OF 5 TO 6 LBS PER 1000 SF)

AMOUNT BY:			MINIMUM %
WEIGHT	SPECIES OR VARIETY	PURITY	GERMINATION
40%	KENTUCKY BLUE GRASS	95%	60%
35%	PERENNIAL RYE	98%	90%
25%	RED FESCUE	97%	85%
100%			

3. SEEDING
- A. APPLY SEED UNIFORMLY BY CYCLONE SEEDER CULTI-PACKER OR HYDRO-SEEDER AT RATE INDICATED.

B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:

i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN., TO BE APPLIED ONCE SEEDING IS COMPLETE.

ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2,000 LBS/ACRE.

C. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.

D. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLodge PLANTING SOIL.

E. UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15TH TO JUNE 15TH, AND FROM AUGUST 15TH TO OCTOBER 15TH.

TOPSOIL SPECIFICATIONS:

1. EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.

SITE PREPARATION:

1. COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED.
2. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.
3. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

TOPSOIL MATERIALS:

1. NEW TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA:
- A. ORIGINAL LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL.

B. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105°C.

C. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.

D. CONTAINING THE FOLLOWING WASHED GRADATIONS:

SIEVE DESIGNATION	% PASSING
1"	100
1/4"	97-100
NO 200	20-60

APPLICATION AND GRADING:

1. TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER.
2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

GENERAL LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.
2. THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND INSPECT RELATED WORK AND ADJACENT SURFACES. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FINISH GRADES WITHIN THE WORK AREA. THE CONTRACTOR SHALL REPORT TO THE CITY ENGINEER ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.
3. THE EXACT LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND UNDERGROUND UTILITIES, WHICH MAY NOT BE INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITY SERVICES AND IS RESPONSIBLE FOR THEIR REPLACEMENT IF DAMAGED.
4. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM RUBBISH AND ALL DEBRIS AT ALL TIMES AND SHALL ARRANGE MATERIAL STORAGE SO AS NOT TO INTERFERE WITH THE OPERATION OF THE PROJECT. ALL UNUSED MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE SITE.
5. NO TREES OR SHRUBS SHALL BE PLANTED ON EXISTING OR PROPOSED UTILITY LINES.
6. QUALITY ASSURANCE:

A. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.

B. SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC (AAN), UNLESS OTHERWISE SPECIFIED.

C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANSPLANTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL. HEELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.

D. SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CONTRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER.
7. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:

A. UNLESS OTHERWISE DIRECTED IN WRITING, SEED LAWNS FROM MARCH 15 TO JUNE 15, AND FROM AUGUST 15 TO OCTOBER 15.

B. UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.

C. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE LAWNS OR PLANTINGS ARE TO BE ESTABLISHED AND WORK IS COMPLETE, SHALL BE RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE; WORK SHALL BE WITHIN THE SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER (TOPSOIL AND TEMPORARY COVER SEED MIX) WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
8. EXECUTION:

A. LANDSCAPE WORK SHALL BE UNDERTAKEN AS SOON AS SITE AREAS ARE AVAILABLE.

B. TOPSOIL SHALL BE SPREAD NO LESS THAN 4" OVER SUB-GRADE MATERIAL. SOIL AMENDMENTS SHALL BE THOROUGHLY MIXED INTO THE TOP 4" OF TOPSOIL, FOLLOWING THE SPECIFICATIONS STATED BELOW.

C. PERFORM FINE GRADING TO FINISHED ELEVATION ONLY IMMEDIATELY PRIOR TO PLANTING. PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN SURFACE, FREE OF DEPRESSIONS OR RIDGES WITH A UNIFORM LOOSE, FINE TEXTURE.

D. FERTILIZING:

i. THE SOIL SHALL BE TESTED FOR PH AND LIME ADDED AS NECESSARY. ALL AMENDMENTS SHALL BE CHECKED AND APPROVED BY LANDSCAPE ARCHITECT BEFORE AMENDMENTS ARE MADE.

ii. APPLY FERTILIZER AT RATE OF 4 LBS/1000 SF FOR LAWN AREAS.

E. LAWN:

i. LAWN SEED MIX: SEED AT THE RATE OF 5 TO 6 LBS PER 1,000 SF.

F. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:

i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN., TO BE APPLIED ONCE SEEDING IS COMPLETE.

ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY A HYDROSEEDER AT A RATE OF 2,000 LBS/ACRE.

G. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.

H. ALL NEWLY PLANTED AREAS SHALL BE KEPT MOIST BY WATERING UNTIL GRASSES AND GROUND COVERS ARE WELL ESTABLISHED. THE LANDSCAPE CONTRACTOR MUST WATER PLANT MATERIAL WHEN NECESSARY FOR 60 DAYS AFTER INSTALLATION.

I. LAWNS ARE TO BE WARRANTED UNTIL THEY BECOME ESTABLISHED, UNTIL FINAL ACCEPTANCE, AND NOT LESS THAN 60 DAYS AFTER COMPLETION OF ALL WORK. TREES, SHRUBS, GROUND COVERS, AND PERENNIALS SHALL BE WARRANTED AGAINST DEFECTS INCLUDING POOR GROWTH AND DEATH, EXCEPT WHEN RESULTING FROM OWNER NEGLIGENCE, INCIDENTS THAT ARE BEYOND THE CONTROL OF THE LANDSCAPE INSTALLER AND DAMAGE OR ABUSE BY OTHERS, FOR AT LEAST ONE FULL YEAR AFTER PROJECT COMPLETION.



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CONTRACT PHASE:

CONSTRUCTION DOCUMENTS

DATE:

JULY 13, 2016

ADDENDA/REVISIONS

NO.	NAME	DATE

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PROJECT NUMBER:	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	

PROJECT TITLE:

LIBERTY STREET CDBG SIDEWALKS

LOCATION:  
LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:  
CITY OF NEWBURGH

SHEET TITLE:

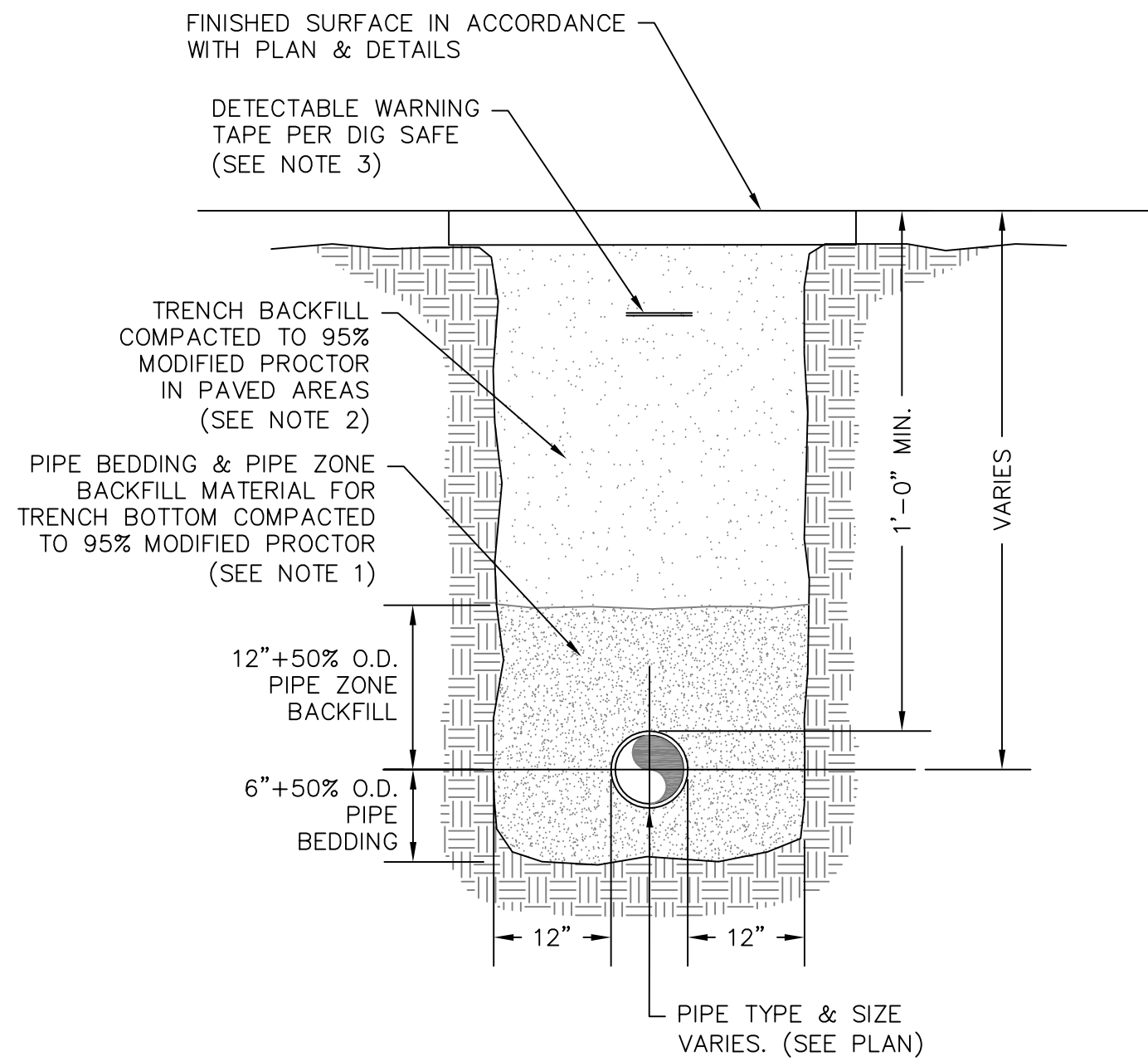
LANDSCAPING NOTES AND DETAILS

DRAWING NUMBER:

C-510

SHEET 12 OF 15





**1**  
**C-515** **PIPE TRENCH DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE

**NOTES:**

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE CITY ENGINEER AND/OR PLUMBING INSPECTOR AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
3/4"	100%
NO. 40	0-70%
NO. 200	0-10%

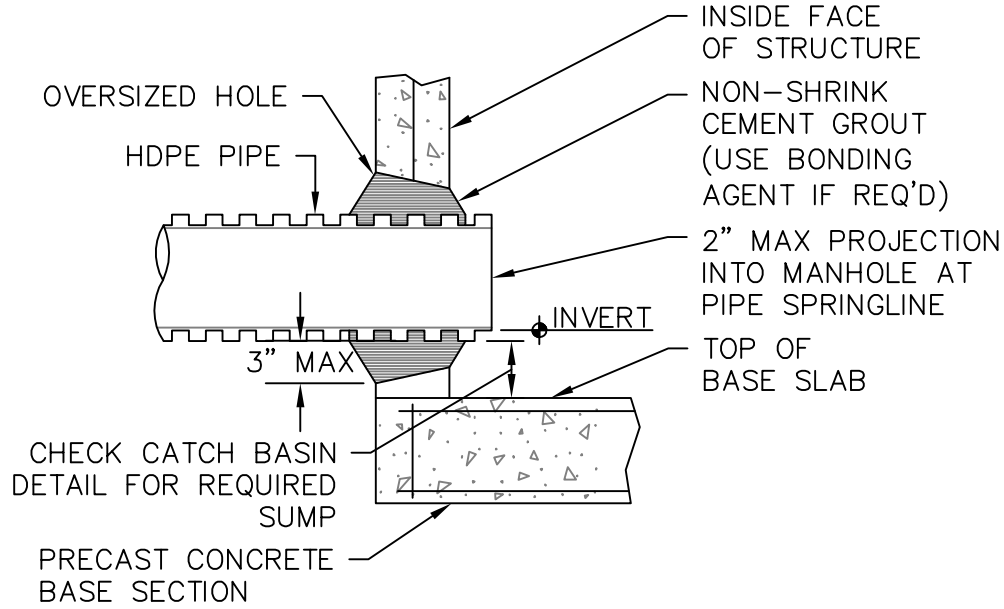
2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE CITY ENGINEER AND/OR PLUMBING INSPECTOR AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
4"	100%
NO. 40	0-70%
NO. 200	0-10%

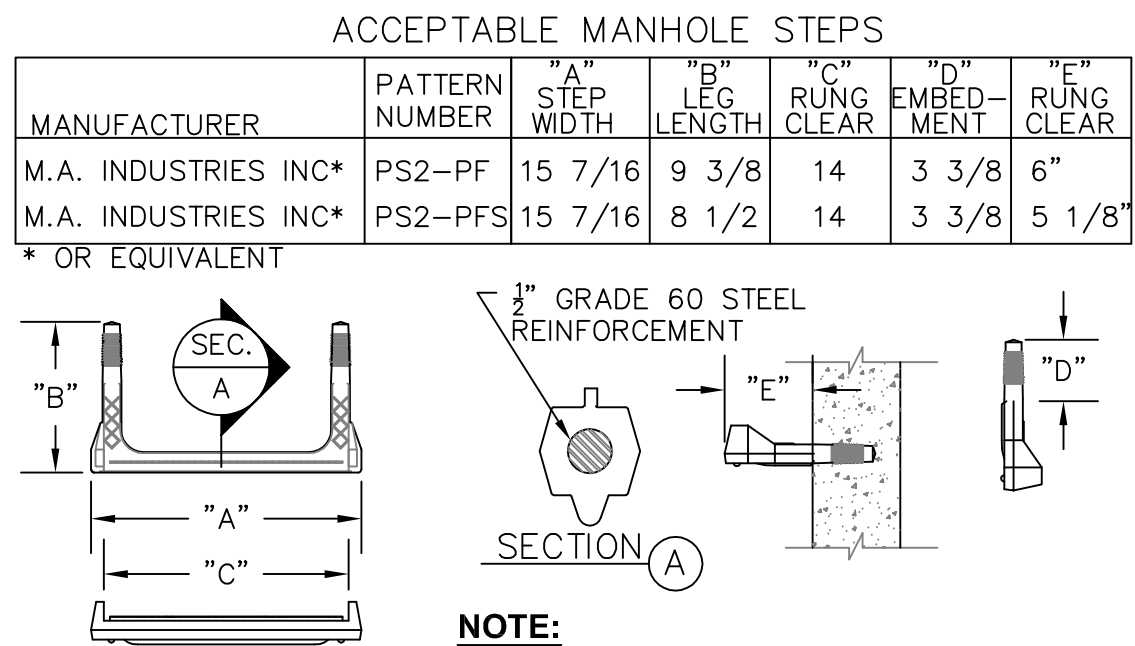
IN UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.

4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

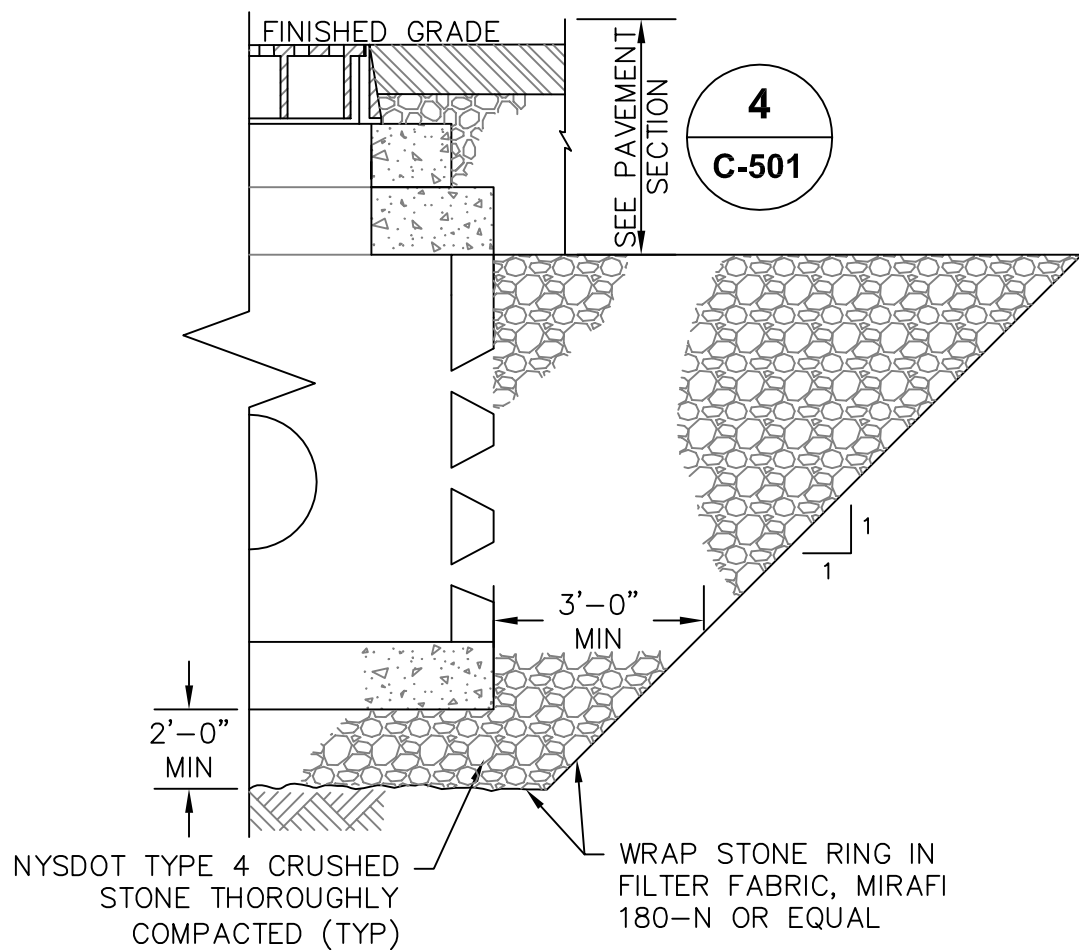


**3**  
**C-515** **HDPE PIPE GROUT SEAL JOINT TO DRAINAGE STRUCTURE**  
SCALE: NOT TO SCALE



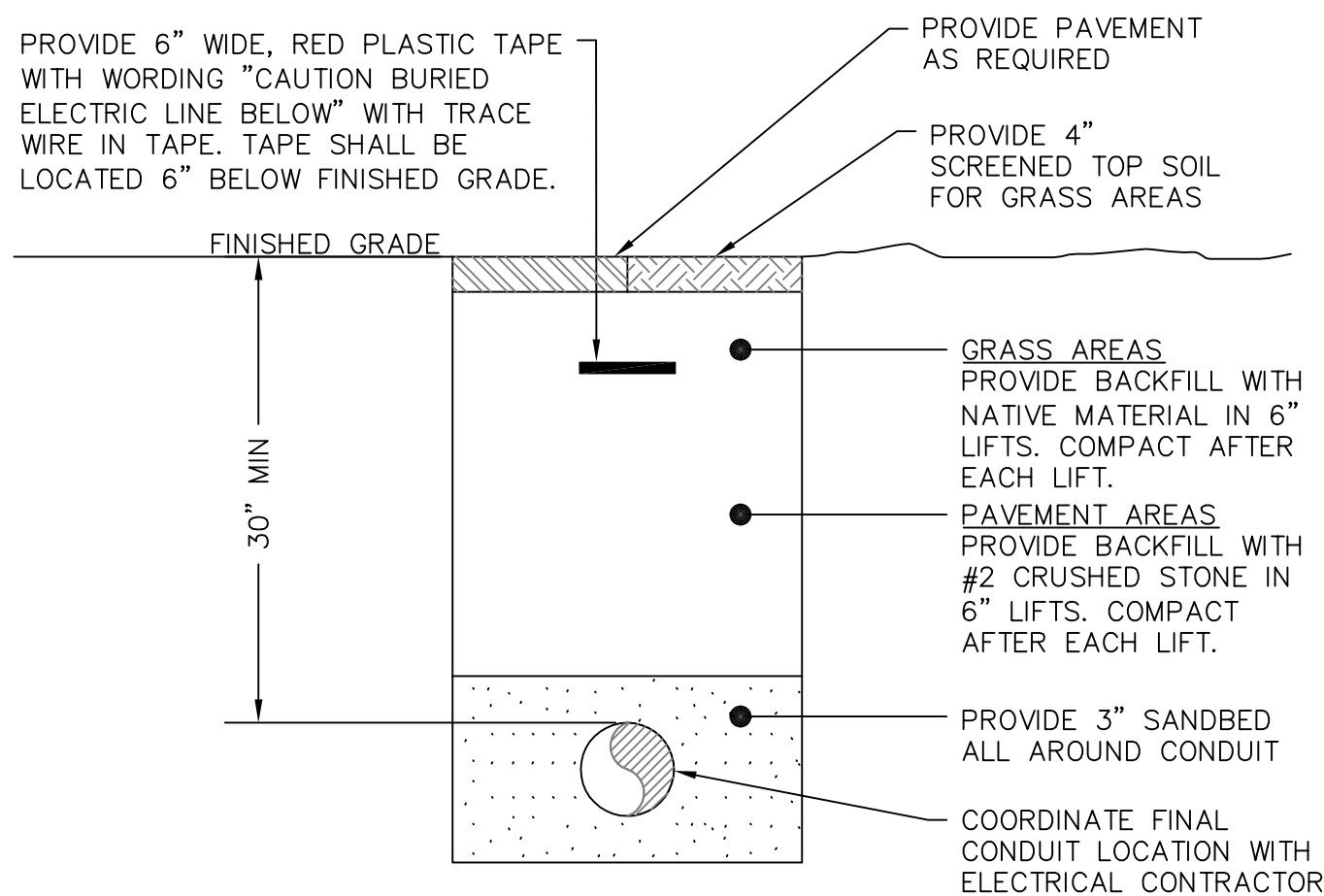
- NOTE:**
- MH STEP DESIGN AND INSTALLATION SHALL COMPLY WITH ALL OSHA REGULATIONS.
  - CAST IN PLACE OR PRESS FIT ACCEPTABLE.

**2**  
**C-515** **COPOLYMER POLYPROPYLENE MH STEP**  
SCALE: NOT TO SCALE

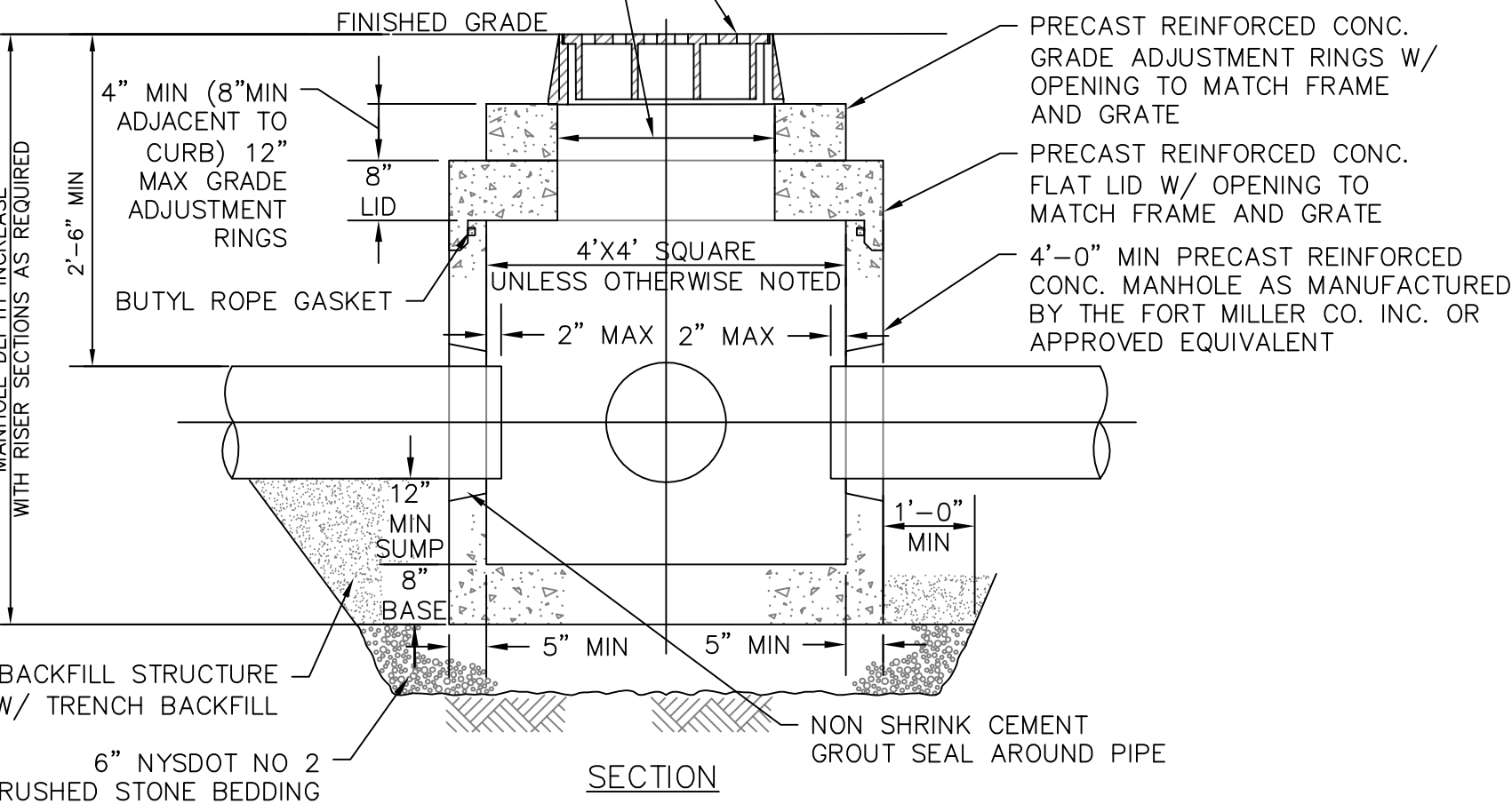
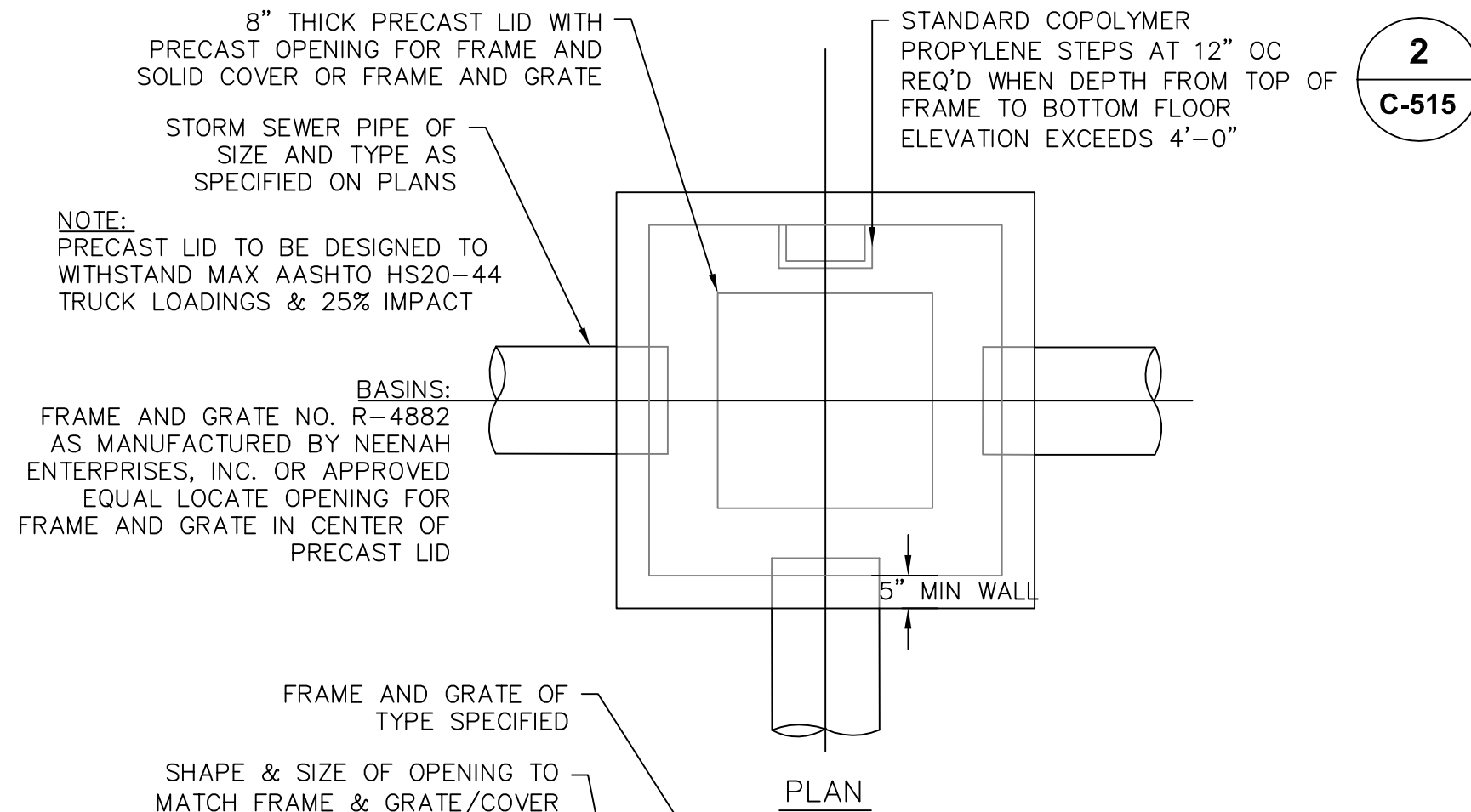


- NOTE:**
- SEE PRECAST CONCRETE BASIN DETAIL FOR ADDITIONAL NOTES AND DETAILS

**4**  
**C-515** **PRECAST DRYWELL**  
SCALE: NOT TO SCALE

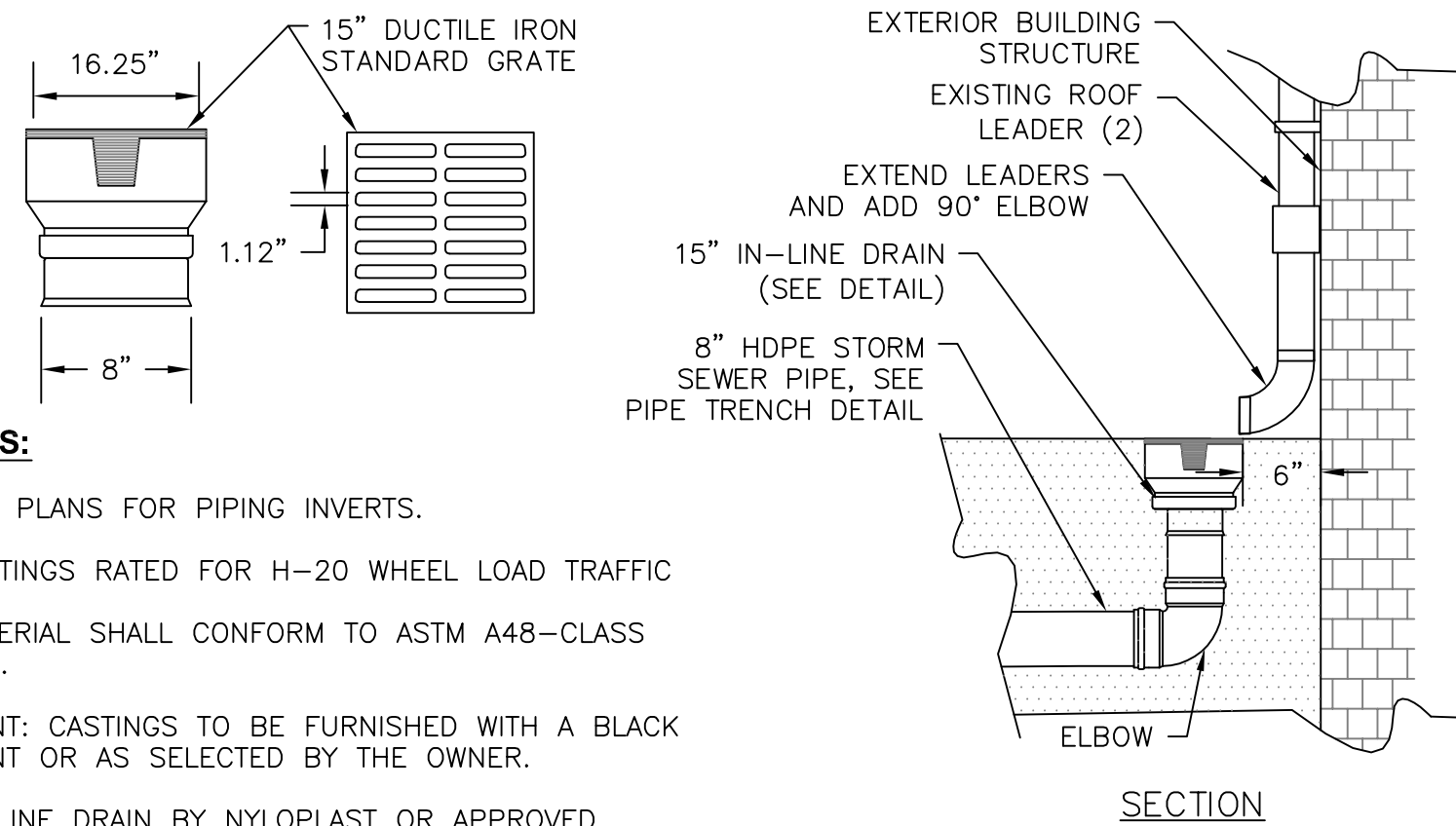


**6**  
**C-515** **DIRECT BURIED CONDUIT DETAIL**  
SCALE: NOT TO SCALE



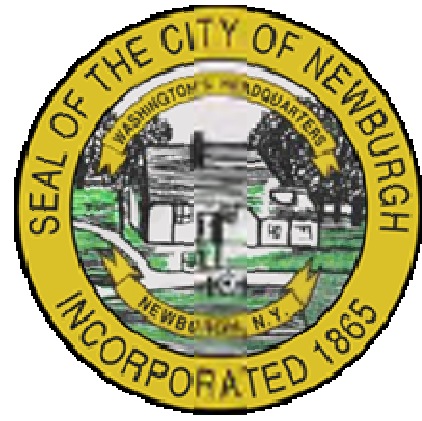
- NOTES:**
- CATCH BASIN SHALL BE PRECAST CONCRETE. DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
  - FRAME AND COVER SHALL BE DESIGNED FOR H20-44 VEHICULAR LOADING & 25% IMPACT.
  - CONCRETE CATCH BASIN LID CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
  - CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE FLOOR OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
  - BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
  - SUMPS FOR CATCH BASINS SHALL BE 12".
  - ECCENTRIC CONE TOP CAN BE USED FOR MANHOLES DEPTH GREATER THAT 7 FEET.
  - ALL PRECAST CONSTRUCTION IN ACCORDANCE W/ASTM C478.

**5**  
**C-515** **PRECAST CONCRETE BASIN**  
SCALE: NOT TO SCALE



- NOTES:**
- SEE PLANS FOR PIPING INVERTS.
  - CASTINGS RATED FOR H-20 WHEEL LOAD TRAFFIC
  - MATERIAL SHALL CONFORM TO ASTM A48-CLASS 30B.
  - PAINT: CASTINGS TO BE FURNISHED WITH A BLACK PAINT OR AS SELECTED BY THE OWNER.
  - IN-LINE DRAIN BY NYLOPLAST OR APPROVED EQUIVALENT.

**7**  
**C-515** **ROOF LEADER IN-LINE DRAIN CONNECTION**  
SCALE: NOT TO SCALE



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CONTRACT PHASE:

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DRAWN BY:	
CHECKED BY:	

PROJECT TITLE:

**LIBERTY STREET CDBG SIDEWALKS**

LOCATION:  
LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:  
CITY OF NEWBURGH

SHEET TITLE:

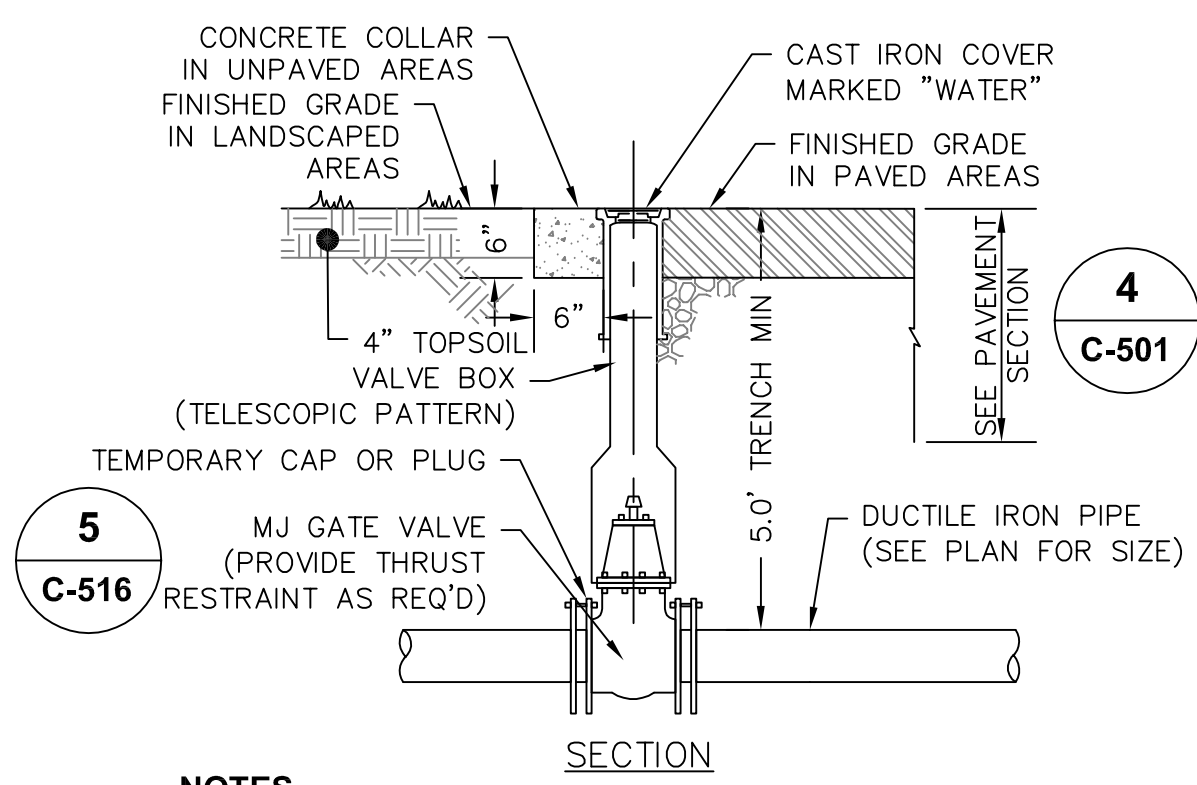
**UTILTIY DETAILS**

DRAWING NUMBER:

**C-515**

SHEET 13 OF 15

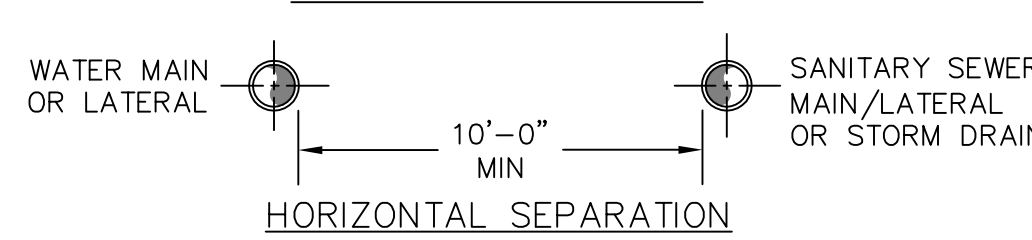
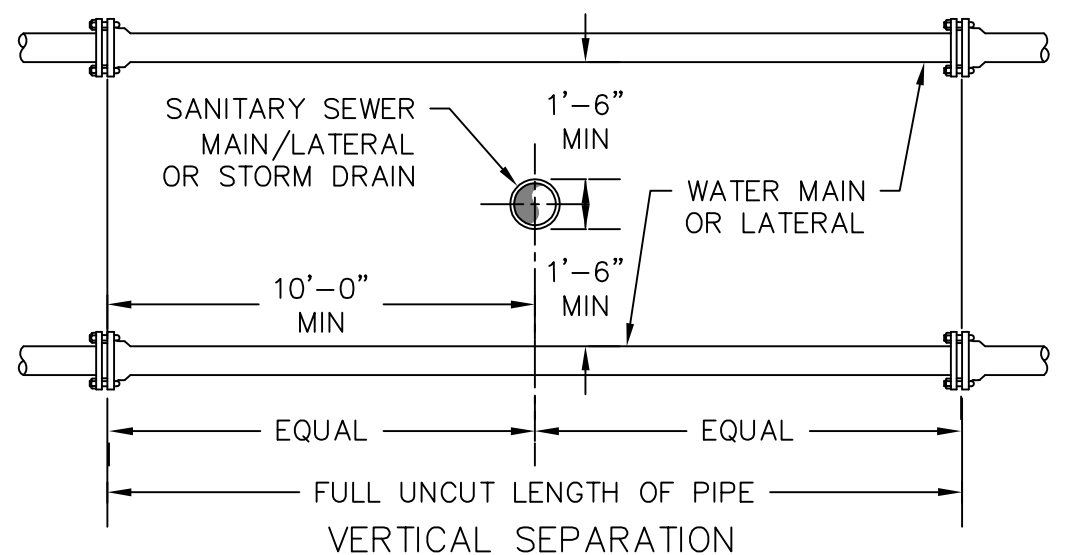




- NOTES:**
- GATE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH CITY OF NEWBURGH STANDARDS.
  - SEE DETAIL 1/C-515 FOR TRENCHING DETAILS.

## DUCTILE IRON SERVICE PIPE AND VALVE

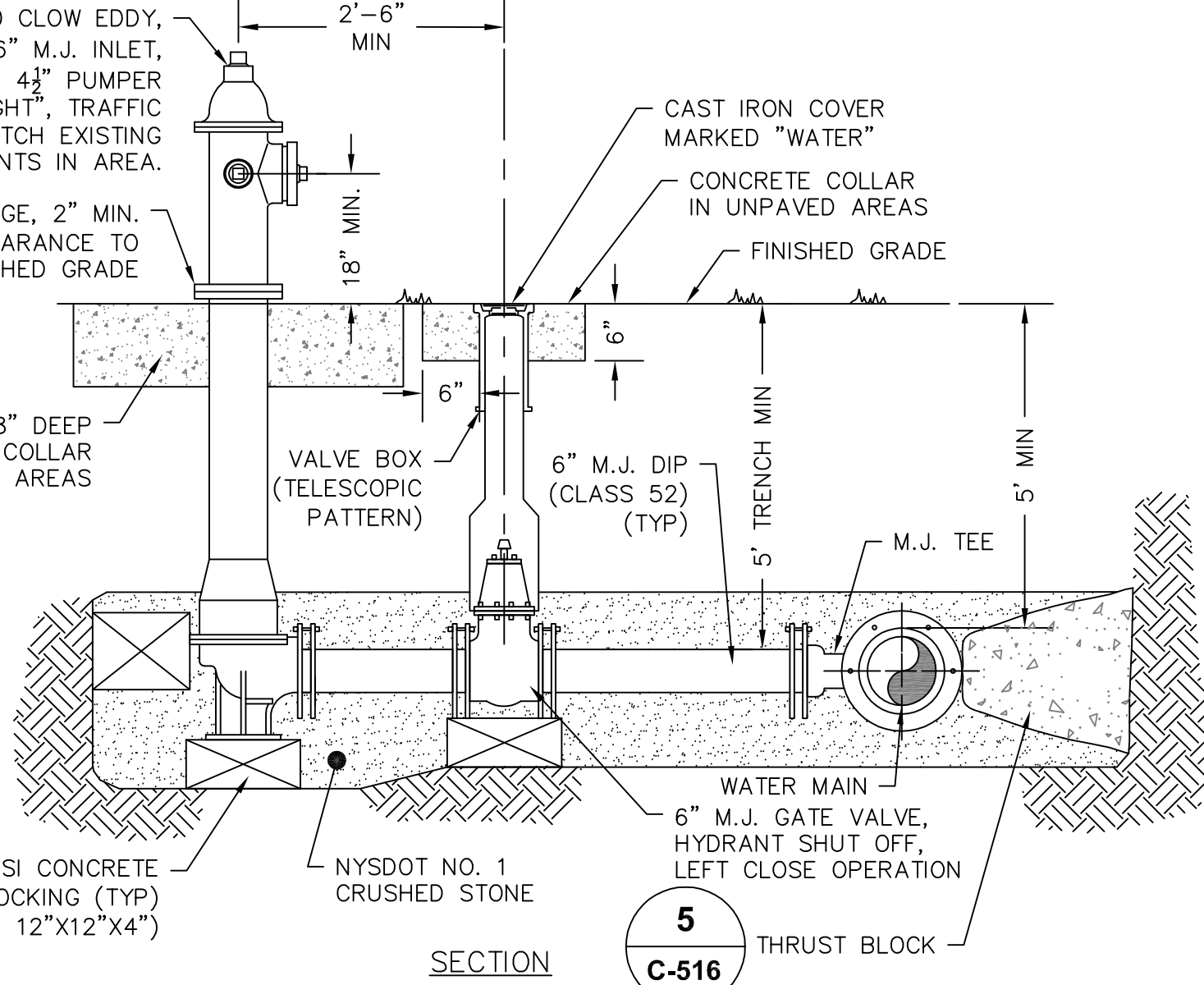
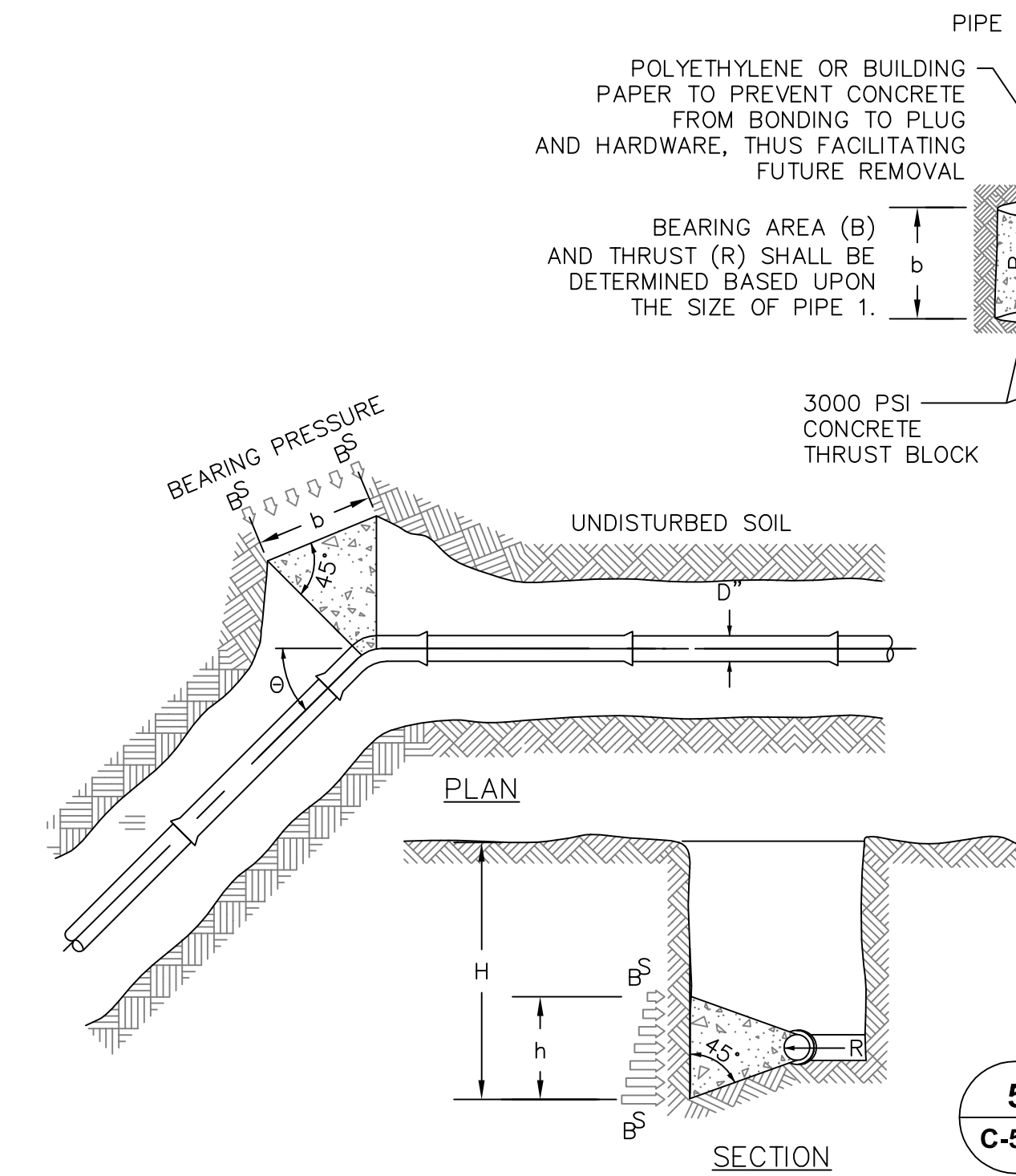
SCALE: NOT TO SCALE



- NOTES:**
- NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE NYS HEALTH DEPARTMENT. OFFSETTING OF WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED, SEE WATER MAIN OFFSET DETAIL 4/C-516.
  - WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150psi TO ASSURE WATER TIGHTNESS.

## WATER MAIN AND SANITARY/STORM SEWER SEPERATION

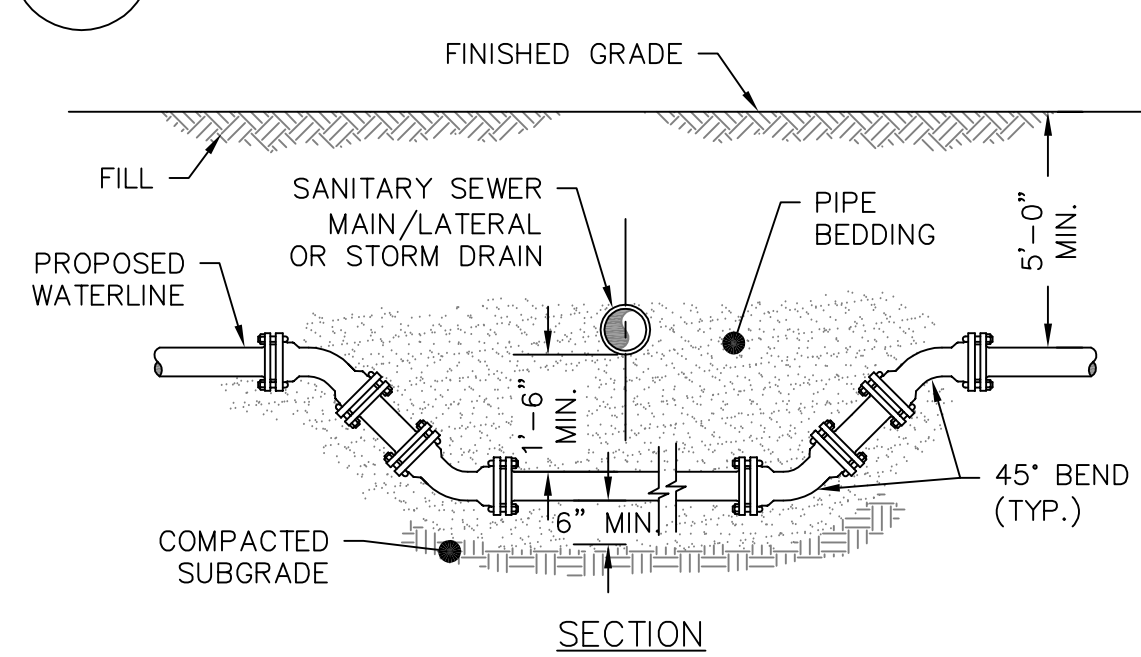
SCALE: NOT TO SCALE



- NOTES:**
- GATE VALVE & HYDRANT ASSEMBLY SHALL BE IN ACCORDANCE WITH CITY OF NEWBURGH STANDARDS.

## WATER HYDRANT DETAIL

SCALE: NOT TO SCALE



- NOTES:**
- WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION.
  - WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150psi TO ASSURE WATER TIGHTNESS.

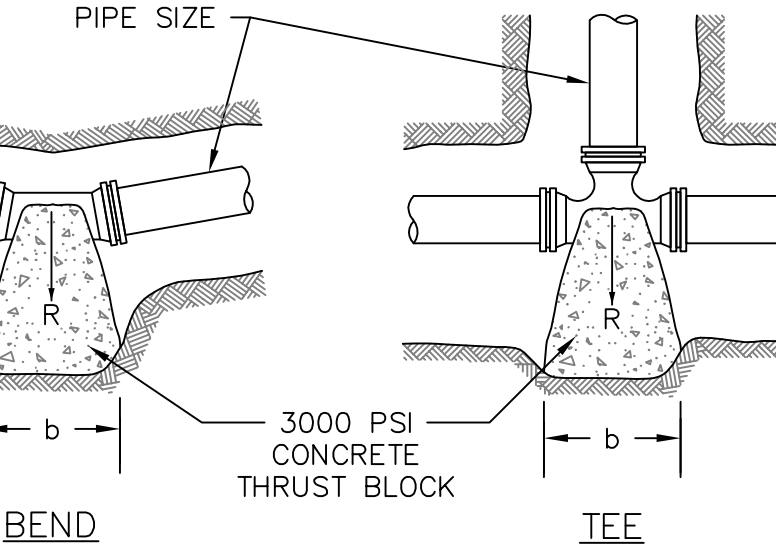
## WATER MAIN OFFSET DETAIL

SCALE: NOT TO SCALE

REQUIRED BEARING AREAS - B (SQFT) FOR BEARING BLOCKS*						
PIPE SIZE (INCHES)	TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	
4	2.0	2.8	1.5	0.8	0.4	
6	4.2	5.9	3.2	1.6	0.8	
8	7.2	10.1	5.5	2.8	1.4	
10	10.9	15.4	8.3	4.2	2.1	
12	15.4	21.8	11.8	6.0	3.0	
14	20.6	29.1	15.8	8.0	4.0	
16	26.8	37.9	20.5	10.4	5.2	
18	33.6	47.5	25.7	13.1	6.6	
20	41.2	58.2	31.5	16.1	8.1	
24	58.8	83.1	45.0	22.9	11.5	
30	90.5	128.0	69.2	35.3	17.7	
36	129.6	183.3	99.1	50.5	25.4	

\*FACTOR OF SAFETY=1.5  
SOIL BEARING OF 3,000 PSF  
225 PSI DESIGN PRESSURE

\*BEARING AREA (B) = BX



## CONCRETE THRUST BLOCK DETAILS

SCALE: NOT TO SCALE

### GENERAL WATER NOTES:

- USE CONCRETE THRUST BLOCKS OR RESTRAINED JOINT PIPE AND FITTINGS FOR PROPER RESTRAINT OF WATER MAIN PIPE.
- ALL WATER LINES SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE ENGINEER.
- THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE CROSSINGS WITH THE SANITARY LINE OCCUR, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. (SEE WATERLINE OFFSET DETAIL FOR FURTHER INFORMATION).
- ALL NEW WATER MAIN INSTALLATIONS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C 600(LATEST REVISION) AT A PRESSURE OF 150 PSI, OR 1.5 TIMES (AS REFERENCED ABOVE) THE WORKING PRESSURE OF THE SYSTEM AS A MINIMUM. ALLOWABLE LEAKAGE OF THIS TEST SHALL BE AS DEFINED IN SECTION 4.2 OF SAID AWWA SPECIFICATION.
- APPROVED AND TESTED WATER MAIN SHALL BE DISINFECTED PER AWWA SECTION C 651 (AS REFERENCED ABOVE), AS DIRECTED BY ENGINEER.
- THE WATER MAIN IS TO BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH OR LOW POINTS.

### TESTING WATER MAINS:

- AFTER TRENCH HAS BEEN BACKFILLED, HYDROSTATIC ACCEPTANCE TESTS, CONSISTING OF A PRESSURE TEST AND A LEAKAGE TEST, SHALL BE PERFORMED ON ALL SECTIONS OF WATER MAINS INSTALLED. LEAKAGE TEST SHALL BE CONDUCTED CONCURRENTLY WITH PRESSURE TEST. TEST SECTION SHALL BE LIMITED TO ABOUT 2000 FT (MAX.) UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  - AFTER ALL TESTS AND INSPECTIONS HAVE BEEN PERFORMED EVIDENCE OF COMPLIANCE SHALL BE FORWARDED TO OWNER/ENGINEER AND THE MUNICIPALITY PRIOR TO ACCEPTANCE.
  - ALL WATER FOR TESTS SHALL BE FURNISHED AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. SOURCE AND/OR QUALITY OF WATER WHICH THE CONTRACTOR PROPOSES TO USE IN TESTING LINES SHALL BE ACCEPTABLE TO THE ENGINEER.
  - HYDROSTATIC PRESUMPTIVE TESTS MAY BE PERFORMED WHEN SYSTEM IS PARTIALLY BACKFILLED TO SIMPLY CHECK WORK, BUT ACCEPTANCE OF SYSTEM SHALL BE BASED ON HYDROSTATIC TESTS RUN ON FINISHED SYSTEM AFTER IT HAS BEEN COMPLETELY BACKFILLED. ALL HYDROSTATIC TESTS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 4 OF AWWA STANDARD C 600 OR LATER ADDITION, AS MODIFIED HEREIN.
  - FOR THE PRESSURE TEST, SYSTEM SHALL BE PRESSURIZED AND MAINTAINED AT A MINIMUM OF 150 POUNDS PER SQUARE INCH, OR 1.5 TIMES THE WORKING PRESSURE, WHICHEVER IS GREATER, BASED ON THE ELEVATION OF THE LOWEST POINT IN THE SECTION BEING TESTED AND CORRECTED TO THE ELEVATION OF THE GAUGE. PROVISIONS SHALL BE MADE TO RELIEVE AIR TRAPPED AT HIGH POINTS IN THE SYSTEM THROUGH ADJACENT HYDRANTS OR THROUGH TAPS AND CORPORATION STOPS INSTALLED FOR THIS PURPOSE BY THE CONTRACTOR. AFTER SAID PRESSURE HAS BEEN MAINTAINED SUCCESSFULLY, WITH FURTHER PUMPING AS REQUIRED, FOR A PERIOD OF AT LEAST TWO HOURS, THE SECTION UNDER TEST SHALL BE CONSIDERED TO HAVE PASSED THE PRESSURE TEST.
  - LEAKAGE TEST SHALL BE PERFORMED CONCURRENTLY USING A MINIMUM TEST PRESSURE OF 150 LBS/SQUARE INCH, OR 1.5 TIMES THE WORKING PRESSURE, WHICHEVER IS GREATER, BASED ON THE ELEVATION OF THE LOWEST POINT IN THE SECTION UNDER TEST AND CORRECTED TO ELEVATION OF THE GAUGE. LEAKAGE TEST DURATION SHALL BE A MINIMUM OF 2 HOURS AFTER LEAKAGE RATE HAS STABILIZED.
  - MAXIMUM ALLOWABLE LEAKAGE SHALL BE AS SHOWN IN THE FOLLOWING TABLE:  
ALLOWABLE LEAKAGE PER 1000 FT (305m) OF PIPELINE (GPH)
- | AVG. TEST PRESSURE PSI | 4    | 6    | 8    | 10   | 12   | 14   | 16   |
|------------------------|------|------|------|------|------|------|------|
| 450                    | 0.57 | 0.86 | 1.15 | 1.43 | 1.72 | 2.01 | 2.29 |
| 400                    | 0.54 | 0.81 | 1.08 | 1.35 | 1.62 | 1.89 | 2.16 |
| 350                    | 0.51 | 0.76 | 1.01 | 1.26 | 1.52 | 1.77 | 2.02 |
| 300                    | 0.47 | 0.70 | 0.94 | 1.17 | 1.40 | 1.64 | 1.87 |
| 275                    | 0.45 | 0.67 | 0.90 | 1.12 | 1.34 | 1.57 | 1.79 |
| 250                    | 0.43 | 0.64 | 0.85 | 1.07 | 1.28 | 1.50 | 1.71 |
| 225                    | 0.41 | 0.61 | 0.81 | 1.01 | 1.22 | 1.42 | 1.62 |
| 200                    | 0.38 | 0.57 | 0.76 | 0.96 | 1.15 | 1.34 | 1.53 |
| 175                    | 0.36 | 0.54 | 0.72 | 0.89 | 1.07 | 1.25 | 1.43 |
| 150                    | 0.33 | 0.50 | 0.66 | 0.83 | 0.99 | 1.16 | 1.32 |
| 125                    | 0.30 | 0.45 | 0.60 | 0.76 | 0.91 | 1.06 | 1.21 |
| 100                    | 0.27 | 0.41 | 0.54 | 0.68 | 0.81 | 0.95 | 1.08 |
- IF LEAKAGE IN SYSTEM EXCEEDS THE SPECIFIED AMOUNT, THE CONTRACTOR SHALL, AT NO ADDED COST TO THE OWNER, LOCATE, REPAIR, AND/OR REPLACE DEFECT(S) AND RE-TEST PIPING SYSTEM.

### THRUST BLOCK NOTES:

- CONCRETE SHALL NOT TO OVERLAP ANY JOINT.
  - THRUST BLOCKS SHALL BE CONFIGURED IN A MANNER THAT DOES NOT INTERFERE WITH REMOVAL OR INSTALLATION OF ANY JOINTING COMPONENTS.
  - FOR REDUCERS, USE MECHANICAL JOINT FITTINGS WITH RETAINER GLANDS.
  - BEARING SURFACE SHALL, WHERE POSSIBLE, BE PLACED AGAINST UNDISTURBED SOIL. WHERE THAT IS NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY.
  - BLOCK HEIGHT (h) SHALL BE EQUAL TO OR LESS THAN ONE-HALF THE TOTAL DEPTH TO THE BOTTOM OF THE BLOCK, (HT), BUT NOT LESS THAN THE PIPE DIAMETER (D).
  - BLOCK HEIGHT (h) SHALL BE ESTABLISHED SUCH THAT THE CALCULATED BLOCK WIDTH (b) VARIES BETWEEN ONE AND TWO TIMES THE HEIGHT.
  - VALUES FOR TEES APPLY TO TEES, END PLUGS, CAPS, AND TAPPING SLEEVES.
  - REQUIRED BEARING AREAS ARE DEVELOPED TO RESIST THRUSTS RESULTING FROM 150 PSI WORKING PRESSURE PLUS 50%(75 PSI) SURGE ALLOWANCE RESULTING IN 225 PSI TOTAL INTERNAL PRESSURE. REQUIRED BEARING AREAS ARE BASED UPON AN ALLOWABLE SOIL BEARING CAPACITY OF 3,000 POUNDS PER SQUARE FOOT. IN RESPONSE TO OTHER SOIL CONDITIONS ENCOUNTERED, BEARING AREAS REQUIRED MAY BE MODIFIED BY THE ENGINEER.
- | SOIL       | BEARING STRENGTH Sb (LB/SQ FT) |
|------------|--------------------------------|
| MUCK       | 0                              |
| SOFT CLAY  | 1,000                          |
| SILT       | 1,500                          |
| SANDY SILT | 3,000                          |
| SAND       | 4,000                          |
| SANDY CLAY | 6,000                          |
| HARD CLAY  | 9,000                          |
- IN MUCK, PEAT, OR RECENTLY PLACED FILL, ALL THRUSTS SHALL BE RESISTED BY PILES OR TIE RODS TO SOLID FOUNDATIONS, OR BY REMOVAL OF SUCH UNSTABLE MATERIAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE THRUSTS; ALL AS REQUIRED BY THE ENGINEER.
  - CONCRETE THRUST BLOCK SHALL BE USED ONLY AS ALLOWED BY THE PROJECT PLAN AND/OR SPECIFICATION. (IF RESTRAINED JOINT PIPE IS TO BE USED SEE SCHEDULE OF JOINT RESTRAINED PIPE.)

### DISINFECTION OF POTABLE WATER SERVICE MAINS:

- DISINFECTION WILL BE ACCOMPLISHED AFTER PIPE HAS PASSED ANY LEAKAGE TESTS.
  - THE MUNICIPALITY AND THE ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF PRESSURE TESTING, LEAKAGE TESTING, AND DISINFECTION.
  - DISINFECTION WILL BE PERFORMED IN ACCORDANCE WITH AWWA STANDARD C 651-14 OR LATER ADDITION. (EXCLUDING SECTION 5.1 COVERING THE TABLET METHOD).
  - CHLORINE-WATER SOLUTION IS PREPARED BY ADDING SODIUM HYPOCHLORITE TO WATER IN ACCORDANCE WITH THE FOLLOWING TABLE (VERIFY AGAINST MUNICIPLE REQUIREMENTS): CHLORINE REQUIRED TO PRODUCE 25 MG/L CONCENTRATION IN 100 FT. OF PIPE BY DIAMETER
- | PIPE SIZE IN. | 100 PERCENT CHLORINE LB. | 1 PERCENT CHLORINE SOLUTIONS GAL. |
|---------------|--------------------------|-----------------------------------|
| 6             | 0.030                    | 0.36                              |
| 8             | 0.054                    | 0.65                              |
| 12            | 0.120                    | 1.44                              |
- NOTE: 1% SOLUTIONS REQUIRE 1 POUND OF SODIUM HYPOCHLORITE IN 8 GAL OF WATER
- PRODUCT DETERIORATION MUST BE CONSIDERED IN COMPUTING THE QUANTITY OF SODIUM HYPOCHLORITE REQUIRED FOR THE DESIRED CONCENTRATION.
  - CHLORINE-WATER SOLUTION SHALL BE INTRODUCED INTO THE WATER MAIN WITH A GASOLINE OR ELECTRICALLY POWERED CHEMICAL FEED PUMP DESIGNED FOR FEEDING CHLORINE SOLUTIONS. FEED LINES SHALL BE OF SUCH MATERIAL AND STRENGTH TO PERMIT THEM TO WITHSTAND SAFELY THE MAXIMUM PRESSURE THAT MAY BE CREATED BY PUMP. ALL CONNECTIONS SHALL BE CHECKED FOR TIGHTNESS BEFORE HYPOCHLORITE SOLUTION IS APPLIED TO MAIN.
  - THE CONTRACTOR SHALL FURNISH AND INSTALL A CORPORATION STOP JUST DOWNSTREAM FROM THE NEWLY INSTALLED GATE VALVE OR AS OTHERWISE SHOWN ON DRAWINGS OR APPROVED BY THE ENGINEER.
  - GENERALLY, THE FOLLOWING PROCEDURE SHALL BE USED TO DISINFECT THE NEW MAIN. THE CONTRACTOR SHALL HOWEVER, REVIEW THEIR PROPOSED PROCEDURES WITH THE ENGINEER AT LEAST 48 HOURS PRIOR TO START OF DISINFECTION. ALL DISINFECTION PROCEDURES MUST BE APPROVED BY THE ENGINEER BEFORE DISINFECTION STARTS.
- ALL GATE VALVES AND HYDRANTS MUST BE CLOSED. THE NEW MAIN SHOULD ALREADY BE FULL OF WATER FORM THE HYDROSTATIC TESTS; IF NOT, IT SHALL BE FILLED.
  - MIX CHLORINE-WATER SOLUTION IN 55 GALLON DRUMS; CONNECT FEED LINE TO PUMP AND NEW MAIN.
  - OPEN GATE VALVE ON THE HYDRANT LEAD OF END HYDRANT; THEN OPEN HYDRANT FULLY. (NOTE: HYDRANT MUST ALWAYS BE EITHER FULLY OPENED OR FULLY CLOSED. THE HYDRANT FLOW MAY BE CONTROLLED BY THROTTLING THE GATE VALVE ON THE HYDRANT LEAD).
  - START PUMPING CHLORINE-WATER SOLUTION INTO WATER MAIN; THEN OPEN UPSTREAM GATE VALVE SLOWLY UNTIL FLOW FROM HYDRANT IS PROPORTIONATE TO THE AMOUNT OF CHLORINE-WATER SOLUTION BEING PUMPED (30 PARTS WATER TO 1 PART CHLORINE-WATER SOLUTION). IF A WATER METER IS NOT AVAILABLE, DISCHARGE RATE MAY BE DETERMINED BY USING EITHER A PILOT GAUGE IN THE DISCHARGE OR BY MEASURING THE TIME TO FILL A CONTAINER OF KNOWN VOLUME (SUCH AS A 55 GAL. BARREL). THE PUMPING RATE CAN BE DETERMINED BY MEASURING THE DROP IN LIQUID LEVEL IN A GIVEN LENGTH OF TIME. (NOTE: A STANDARD 55 GALLON STEEL BARREL CONTAINS 19.75 GAL/FT OF DEPTH OR 1.64 GAL/IN OF DEPTH).
  - AFTER HYDRANT FLOW AND PUMPING RATE HAVE BEEN ADJUSTED, MAINTAIN A CONSTANT FLOW SO THAT CHLORINE CONCENTRATION IN THE MAIN IS MAINTAINED AT A MINIMUM OF 25 PPM.
  - PERIODICALLY CHECK HYDRANT DISCHARGE FOR CHLORINE CONCENTRATION BY USING A FIELD CHLORINE RESIDUAL TEST KIT. MAINTAIN HYDRANT DISCHARGE AND PUMPING RATE UNTIL THE MINIMUM CHLORINE CONCENTRATION OF 25 PPM HAS BEEN ACHIEVED THROUGHOUT THE ENTIRE MAIN DISINFECTED.
  - AFTER THE REQUIRED CONCENTRATION HAS BEEN ACHIEVED, ALL VALVES AND HYDRANTS ON THE MAIN LINE BETWEEN THE UPSTREAM GATE VALVE AND THE DISCHARGE HYDRANT SHALL BE OPERATED IN ORDER TO DISINFECT THE INTERNAL APPURTENANCES. DO NOT OPERATE ANY GATE VALVE THAT IS LOCATED ON A CONNECTION TO AN EXISTING WATER MAIN THAT IS IN SERVICE.
- AFTER THE CONTRACTOR HAS TAKEN A WATER SAMPLE AND VERIFIED THE MINIMUM 25 PPM CHLORINE CONCENTRATION, UNDER WITNESS BY THE ENGINEER, THE CONTRACTOR SHALL RETAIN THE CHLORINATED WATER IN THE MAIN BY THE FOLLOWING METHOD:
    - FIRST, CLOSE THE UPSTREAM GATE VALVE.
    - SECOND, CLOSE THE DISCHARGE HYDRANT.
    - THIRD, SHUT OFF THE PUMP.
  - CHLORINATED WATER SHALL REMAIN IN THE MAIN FOR A MINIMUM OF 24 HOURS.
  - IF THE CHLORINE RESIDUAL IS LESS THAN 10 PPM AT THE END OF THE 24 HOURS, REPEAT SYSTEM TREATMENT.
  - ANY SECTION OF PIPE, VALVES OR FITTINGS, INCLUDING TAPPING SLEEVES AND VALVES WHICH ARE INSTALLED OUTSIDE THE LIMITS OF THE SYSTEM SUBJECTED TO THE CHLORINATION PROCEDURES SPECIFIED ABOVE, SHALL BE SPRAYED OR SWABBED WITH A 1% HYPOCHLORITE SOLUTION PRIOR TO INSTALLATION.
  - AFTER THE CONTRACTOR HAS TAKEN A WATER SAMPLE AND VERIFIED THE MINIMUM 10 PPM CHLORINE RESIDUAL, UNDER WITNESS BY THE ENGINEER, CONTRACTOR SHALL THOROUGHLY FLUSH CHLORINATED WATER FROM THE MAIN BY THE FOLLOWING METHOD:
    - FIRST, OPEN THE DISCHARGE HYDRANT.
    - SECOND, OPEN THE UPSTREAM GATE VALVE.
    - THIRD, OPEN ANY HYDRANTS ON THE MAIN LINE TO REMOVE ALL CHLORINATED WATER FROM THE HYDRANT LEADS.
  - FLUSH THE MAIN WITH POTABLE WATER IN SUCH A MANNER THAT DOES NOT ADVERSELY AFFECT FISH, PLANT, OR ANIMAL LIFE.
  - THE QUANTITY AND LOCATION OF WATER SAMPLES TO BE TAKEN SHALL BE DETERMINED BY THE ENGINEER.
  - WATER SAMPLES SHALL BE TAKEN BY THE CONTRACTOR IN STERILIZED BOTTLES.
  - ANALYZE WATER SAMPLES IN ACCORDANCE WITH STANDARD METHODS FOR EXAMINATION OF WATER AND WASTEWATER, 14TH EDITION, PUBLISHED BY AMERICAN WATER WORKS ASSN., 6666 WEST QUINCY AVE., DENVER, CO 80235.
  - IF A BACTERIOLOGICAL TEST PROVES THE WATER QUALITY TO BE UNACCEPTABLE; REPEAT SYSTEM TREATMENT.
  - IF A BACTERIOLOGICAL TEST PROVES WATER TO BE ACCEPTABLE; REMOVE FEED LINE AND CORPORATION STOP. CORPORATION STOP WILL BE REPLACED WITH A THREADED BRASS PLUG UNLESS OTHERWISE DIRECTED BY ENGINEER.
  - SAMPLES MUST BE BACTERIOLOGICALLY SAFE BEFORE WATER MAIN IS PLACED IN SERVICE.



CITY OF NEWBURGH  
83 BROADWAY  
NEWBURGH, NY 12550  
TEL: (845) 569-7300

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE LAW AND IS A CLASS "A" MISDEMEANOR.

CONTRACT PHASE:

## CONSTRUCTION DOCUMENTS

DATE:

JULY 13, 2016

### ADDENDA/REVISIONS

NO.	NAME	DATE

THIS DRAWING REFLECTS ALL CHANGES PREVIOUSLY MADE ON THIS SHEET. VERIFY THAT PREVIOUS CHANGES HAVE BEEN INCORPORATED INTO THE CONTRACT BEFORE PROCEEDING WITH ANY WORK. NOT SPECIFICALLY REFERENCED BY THIS REVISION.

PROJECT NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

## LIBERTY STREET CDBG SIDEWALKS

LOCATION:

LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:

CITY OF NEWBURGH

SHEET TITLE:

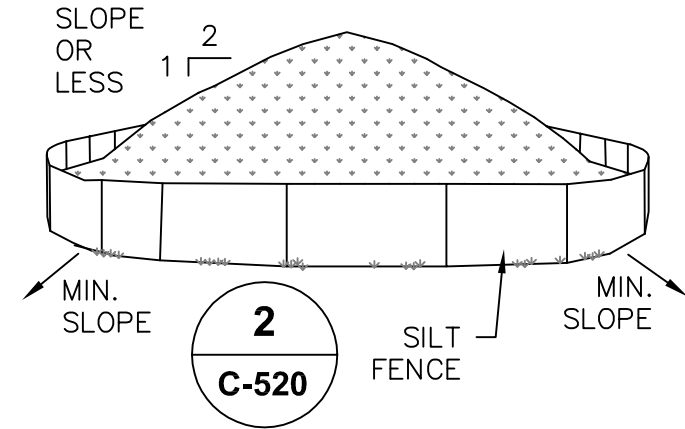
## WATER DETAILS

DRAWING NUMBER:

C-516

SHEET 14 OF 15

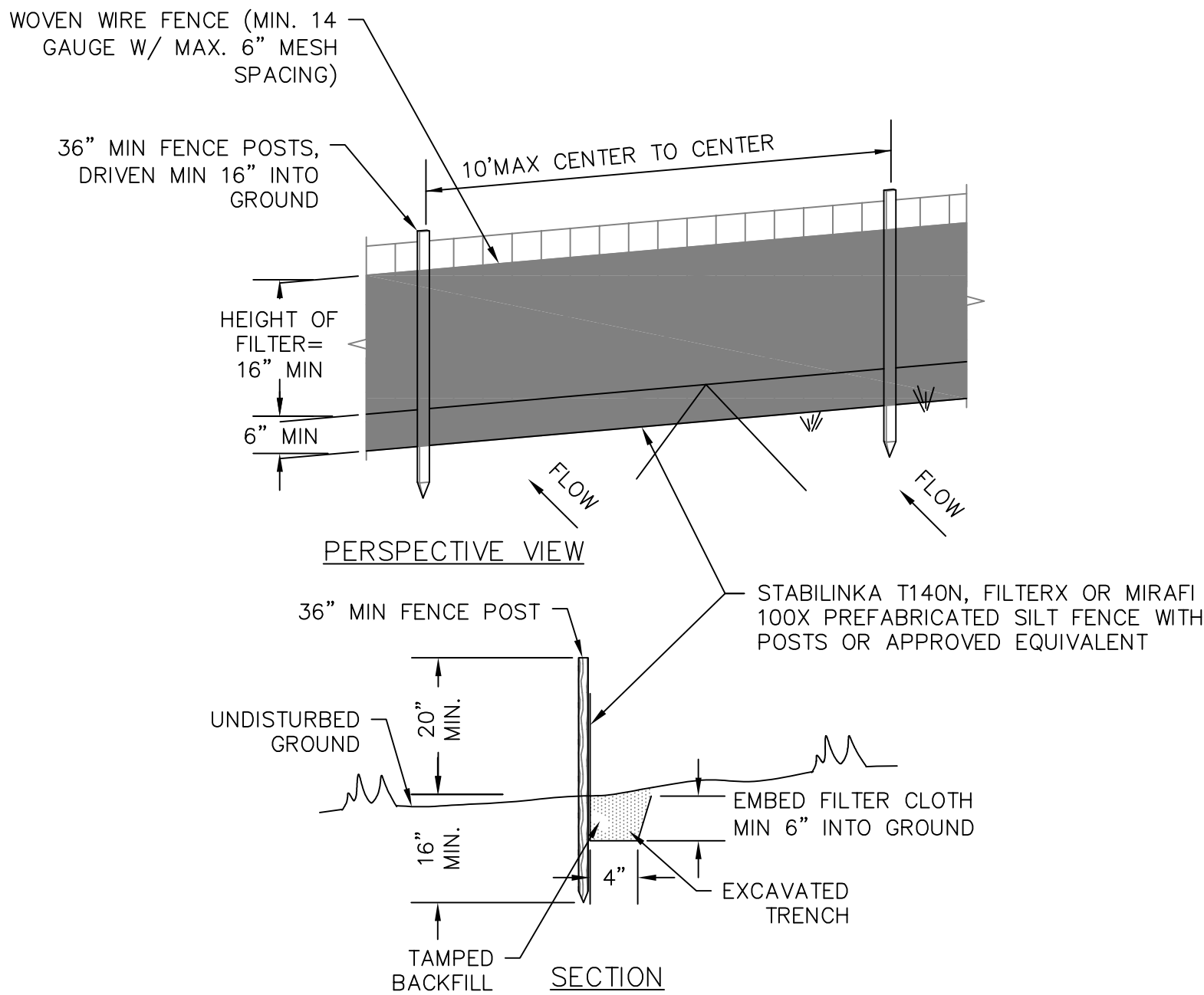




**NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

**1 TEMPORARY SOIL STOCKPILE**  
SCALE: NOT TO SCALE



**NOTES:**

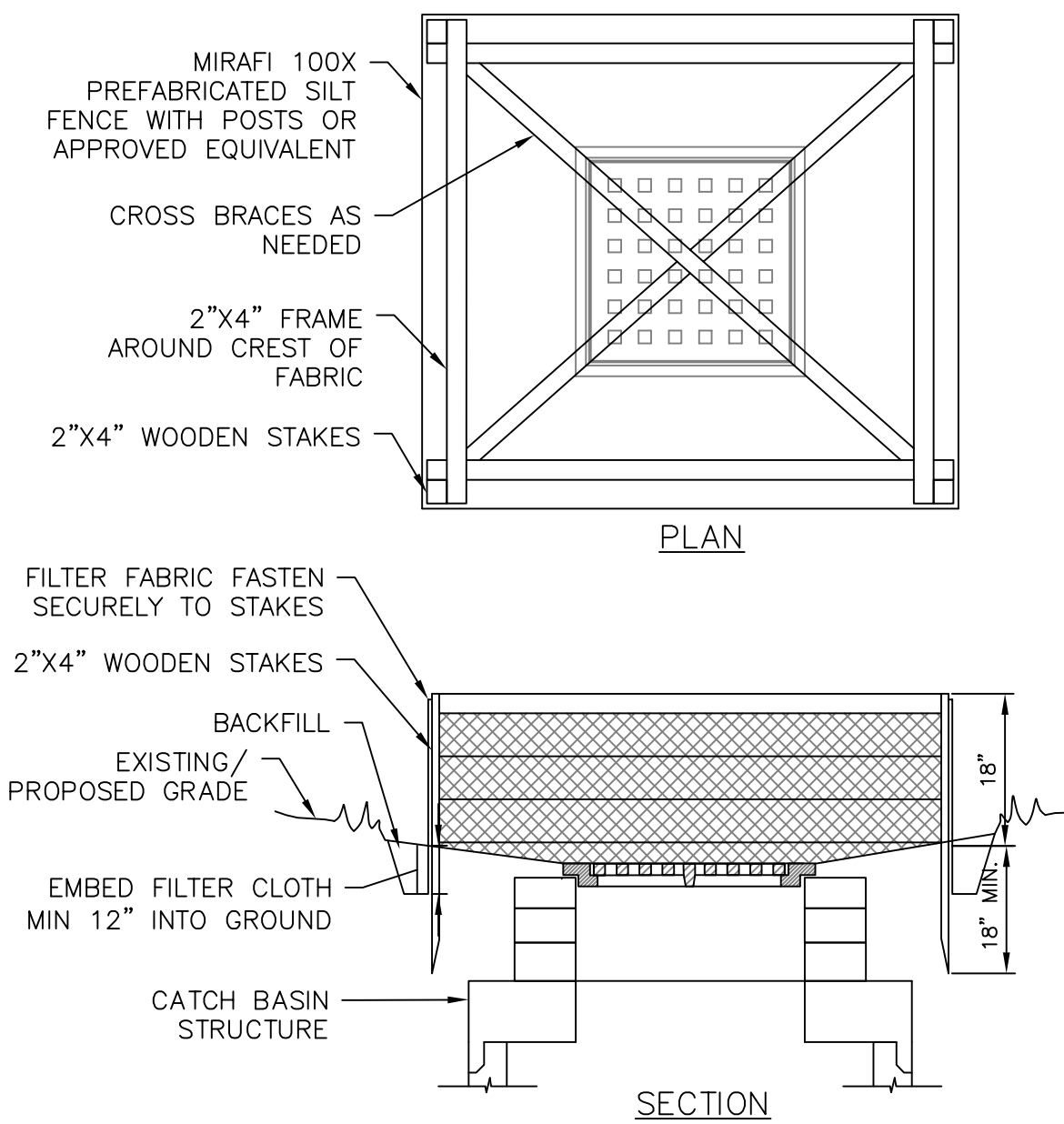
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:

SLOPE STEEPNESS	MAXIMUM SLOPE LENGTH(FT)
2:1	25
3:1	50
4:1	75
5:1 OR FLATTER	100

**2 SILT FENCE INSTALLATION**  
SCALE: NOT TO SCALE

**CONSTRUCTION SEQUENCING NOTES:**

1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS AND AS REQUIRED. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS. SILT FENCE SHALL BE INSTALLED AROUND STAGING AREA.
2. THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.
8. INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
9. CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.
10. FINALIZE PAVEMENT SUB-GRADE PREPARATION.
11. REMOVE PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
12. INSTALL SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
13. PRIOR TO FINALIZING CONSTRUCTION, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
15. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL AND STAGING AREA.



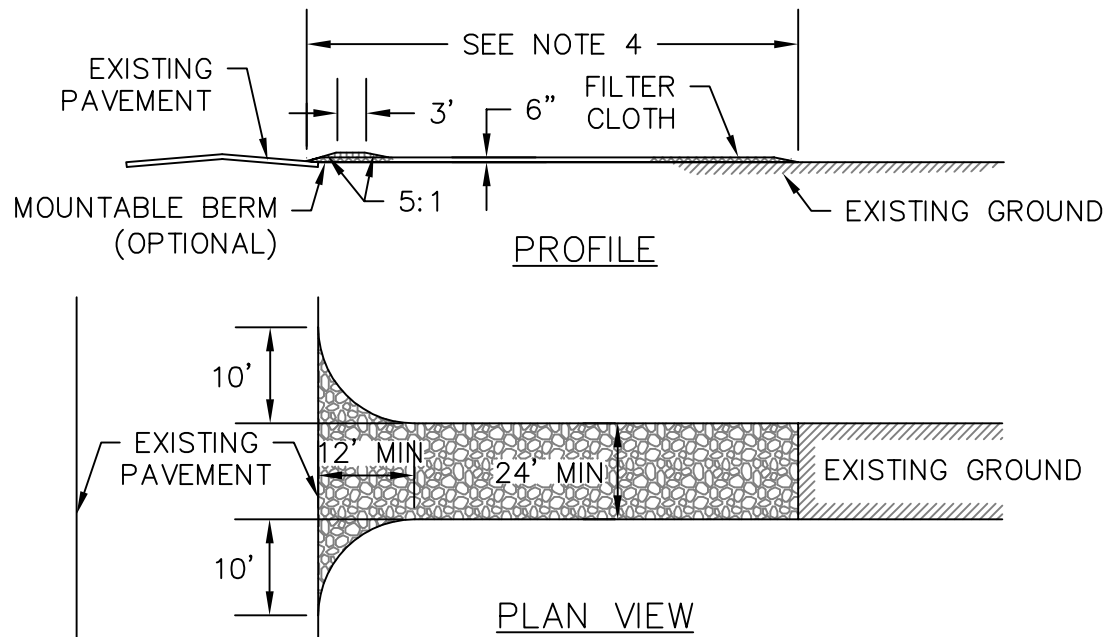
**NOTES:**

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
7. MAXIMUM DRAINAGE AREA IS 1 ACRE.
8. INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.

**3 TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION**  
SCALE: NOT TO SCALE

**GENERAL EROSION AND SEDIMENT CONTROL NOTES:**

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", AUGUST 2005.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.



**CONSTRUCTION ENTRANCE SPECIFICATIONS:**

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

**4 STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: NOT TO SCALE

**EROSION AND SEDIMENT CONTROL MEASURES:**

**GENERAL MEASURES:**

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

**PARTICULAR MEASURES:**

1. SOIL STOCKPILES: SILT FENCES SHALL BE CONSTRUCTED AROUND ALL STOCKPILES OF FILL, TOPSOIL, AND EXCAVATED OVERBURDEN THAT ARE TO REMAIN EXPOSED FOR PERIODS LESS THAN 21 DAYS. SILT FENCES SHALL BE ANCHORED AND MAINTAINED IN GOOD CONDITION UNTIL SUCH TIME AS SAID STOCKPILES ARE REMOVED AND STOCKPILING AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED. TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 21 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.

**MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:**

PERMANENT AND TEMPORARY VEGETATION:

INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

SILT FENCE:

INSPECT FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:

INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAYBALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:

SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

DEWATERING PITS:

(IF REQUIRED) -- INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS NEEDED.

SNOW AND ICE CONTROL:

PARKING LOTS, ROADWAYS, AND DRIVEWAYS ADJACENT TO WATER QUALITY FILTERS SHALL NOT BE SANDED DURING SNOW EVENTS DUE TO HIGH POTENTIAL FOR CLOGGING FROM SAND IN SURFACE WATER RUNOFF. USE SALT ONLY FOR SNOW AND ICE CONTROL.

EROSION & SEDIMENT INSPECTION & MAINTENANCE SCHEDULE					
STRUCTURE	DAILY	WEEKLY	AFTER RAINFALL	NECESSARY TO MAINTAIN FUNCTION	AFTER COMPLETION OF CONSTRUCTION
SILT FENCE BARRIER	--	INSPECT	INSPECT	CLEAN/ REPLACE	REMOVE
DUST CONTROL	INSPECT	--	INSPECT	MULCHING/ SPRAYING WATER	N/A
VEGETATIVE ESTABLISHMENT	--	INSPECT	INSPECT	WATERING/ RE-SEEDING/ RE-MULCHING	PERMANENT
INLET PROTECTION	--	INSPECT	INSPECT	CLEAN/ REPAIR/ REPLACE	REMOVE



CITY OF NEWBURGH  
83 BROADWAY  
NEWBURGH, NY 12550  
TEL: (845) 569-7300

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE LAW AND IS A CLASS "A" MISDEMEANOR.

CONTRACT PHASE:

**CONSTRUCTION DOCUMENTS**

DATE:

JULY 13, 2016

**ADDENDA/REVISIONS**

NO.	NAME	DATE

THIS DRAWING REFLECTS ALL CHANGES PREVIOUSLY MADE ON THIS SHEET. VERIFY THAT PREVIOUS CHANGES HAVE BEEN INCORPORATED INTO THE CONTRACT BEFORE PROCEEDING WITH ANY WORK. NOT SPECIFICALLY REFERENCED BY THIS REVISION.

PROJECT NUMBER:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT TITLE:

**LIBERTY STREET CDBG SIDEWALKS**

LOCATION:

LIBERTY STREET  
CITY OF NEWBURGH  
ORANGE COUNTY, NEW YORK

OWNER:

CITY OF NEWBURGH

SHEET TITLE:

**E&SC NOTES AND DETAILS**

DRAWING NUMBER:

C-520

SHEET 15 OF 15



EXTRACT OF MINUTES

Meeting of the City Council of the

City of Newburgh, in the

County of Orange, New York

September 22, 2016

\* \* \*

A regular meeting of the City Council of the City of Newburgh, in the County of Orange, New York, was held at the City Hall, Newburgh, New York, on September 22, 2016, at \_\_\_\_\_ o'clock P.M. (Prevailing Time).

There were present: Hon. Judy Kennedy, Mayor; and  
Councilpersons:

There were absent:

Also present: Lorene Vitek, City Clerk

\* \* \*

\_\_\_\_\_ offered the following resolution and moved its  
adoption:

RESOLUTION NO. \_\_\_\_\_ - 2016

REFUNDING BOND RESOLUTION DATED \_\_\_\_\_, 2016

REFUNDING BOND RESOLUTION OF THE CITY OF NEWBURGH, IN THE COUNTY OF ORANGE, NEW YORK, AUTHORIZING THE REFUNDING OF ALL OR A PORTION OF CERTAIN OUTSTANDING SERIAL BONDS OF SAID CITY, STATING THE PLAN OF REFUNDING, APPROPRIATING AN AMOUNT NOT TO EXCEED \$16,000,000 THEREFOR, AUTHORIZING THE ISSUANCE OF \$16,000,000 REFUNDING BONDS OF SAID CITY OR SO MUCH THEREOF AS MAY BE NECESSARY TO FINANCE SAID APPROPRIATION, AND MAKING CERTAIN DETERMINATIONS ALL RELATIVE THERETO.

(Adopted) \_\_\_\_\_, 2016

Recitals

Whereas, the City of Newburgh in the County of Orange, New York (herein called "City"), has heretofore issued on July 17, 2008, its \$9,043,100 Public Improvement Serial Bonds, Series 2008A (herein called the "2008A Bonds"), now outstanding in the principal amount of \$5,100,000 and on September 11, 2008, its \$12,210,000 Public Improvement Serial Bonds, Series 2008B (herein called the "2008B Bonds"), now outstanding in the principal amount of \$10,155,000; (the respective outstanding amounts of each of the 2008A Bonds and the 2008B Bonds shall be hereinafter collectively referred to as the "Outstanding Bonds"); such bonds bearing interest at the rates and on the dates, and being subject to prior redemption as set forth in each such respective bond; and

Whereas, Section 90.10 of the Local Finance Law, constituting Chapter 33-a of the Consolidated Laws of the State of New York (herein called "Law"), permits the City to

refund all or a portion of the outstanding unredeemed maturities of such bonds by the issuance of new bonds, the issuance of which will result in present value debt service savings for the City;

now, therefore,

**THE CITY COUNCIL OF THE CITY OF NEWBURGH, IN THE COUNTY OF ORANGE, NEW YORK, HEREBY RESOLVES (by the favorable vote of not less than two-thirds of all the members of said City Council) AS FOLLOWS:**

Section 1. In this resolution, the following definitions apply, unless a different meaning clearly appears from the context:

- a. “Bond To Be Refunded” or “Bonds To Be Refunded” means all or a portion of the Outstanding Bonds of the City.
- b. “Escrow Contract” means the contract to be entered into by and between the City and the Escrow Holder pursuant to Section 9 hereof.
- c. “Escrow Holder” means the bank or trust company designated as such pursuant to Section 9 hereof.
- d. “Present Value Savings” means the dollar savings which result from the issuance of the Refunding Bonds computed by discounting the principal and interest payments on both the Refunding Bonds and the Bonds To Be Refunded from the respective maturities thereof to the date of issue of the Refunding Bonds at a rate equal to the effective interest cost of the Refunding Bonds. The effective interest cost of the Refunding Bonds shall be that rate which is arrived at by doubling the semi-annual interest



rate (compounded semi-annually), necessary to discount the debt service payments on the Refunding Bonds from the maturity dates thereof to the date of issue of the Refunding Bonds and to the bona fide initial public offering price including estimated accrued interest, or, if there is no public offering, to the price bid including estimated accrued interest.

- e. “Redemption Date” means, as applicable: July 15, 2018 for the 2008A Bonds and September 1, 2018 for the 2008B Bonds or such later date for the 2008B Bonds as may be determined by the Comptroller/Director of Finance in the final refunding financial plan.
- f. “Refunding Bond” or “Refunding Bonds” means all or a portion of the \$16,000,000 bonds of the City of Newburgh in the County of Orange, authorized pursuant to Section 2 hereof.
- g. “Refunding Bond Amount Limitation” means an amount of Refunding Bonds sufficient to pay the sum of (i) the principal amount of Bonds To Be Refunded, (ii) the aggregate amount of unmatured interest payable on each Bonds To Be Refunded to and including the applicable Redemption Date, (iii) redemption premiums payable on such Bonds To Be Refunded as of such applicable Redemption Date, as hereinabove referred to in the Recitals hereof, and (iv) costs and expenses incidental to the issuance of the Refunding Bonds, including the development of the refunding financial plan, and of executing and performing the terms and conditions

of the Escrow Contract and all fees and charges of the Escrow Holder as referred to in Section 9 hereof.

Section 2. The City Council of the City (herein called “City Council”), hereby authorizes the refunding of the Bonds To Be Refunded of the City, more particularly described and referred to in the Recitals hereof, and appropriates an amount not to exceed \$16,000,000 therefor to accomplish such refunding. The plan of financing said appropriation includes the issuance of not to exceed \$16,000,000 Refunding Bonds and the levy and collection of a tax upon all the taxable real property within the City to pay the principal of and interest on said Refunding Bonds as the same shall become due and payable. Bonds of the County in the maximum principal amount of \$16,000,000, are hereby authorized to be issued pursuant to the provisions of the Law. The proposed financial plan for the refunding in the form attached hereto as Exhibit A (the “refunding financial plan”) prepared for the City by Capital Markets Advisors, LLC and hereby accepted and approved, includes the deposit of all the proceeds of said Refunding Bonds with an Escrow Holder pursuant to an Escrow Contract as authorized in Section 9 hereof, the payment of all costs incurred by the City in connection with said refunding from such proceeds, and the investment of a portion of such proceeds by the Escrow Holder in certain obligations, the principal of and interest, together with the balance of such proceeds to be held uninvested, shall be sufficient to pay (1) the principal of and interest on the Bonds To Be Refunded becoming due and payable on and prior to the Redemption Date and (2) the principal of and premium on the Bonds To Be Refunded to be called for redemption prior to maturity on the Redemption Date.

Section 3. The Bonds To Be Refunded referred to in Section 1 hereof are the aggregate unmatured outstanding balances of two consolidated issues of bonds originally issued pursuant to various bond resolutions of the City, adopted on their respective dates and authorizing various capital improvements for the City and the bond determinations certificates of the Comptroller/Director of Finance for each issue dated their respective dates (the “Refunded Bonds Determination Certificates”). In accordance with the refunding financial plan, the Refunding Bonds authorized in the aggregate principal amount not to exceed \$16,000,000 have been allocated to the component issues of the Bonds To Be Refunded, and shall mature in amounts and at dates to be determined. The Comptroller/Director of Finance, the chief fiscal officer of the City, is hereby authorized to approve all details of the final refunding financial plan not contained herein.

Section 4. The issuance of the Refunding Bonds will not exceed the Refunding Bond Amount Limitation. The maximum period of probable usefulness (“PPU”) of each issue comprising the Bonds to be Refunded, commencing at the date of issuance of the first bond anticipation notes issued in anticipation of the sale of said bonds, is as specified in the Refunded Bonds Determination Certificates which are incorporated herein by reference.

Section 5. The aggregate amount of estimated Present Value Savings is set forth in the proposed refunding financial plan attached hereto as Exhibit A.

Section 6. Said \$16,000,000 Refunding Bonds may be sold at public or private sale.

(a) If the Refunding Bonds are sold at private sale, the Comptroller/Director of Finance, as the chief fiscal officer of the City, is hereby authorized to execute a purchase contract

on behalf of the City for the sale of said Refunding Bonds, provided that the terms and conditions of such sale shall be approved by the State Comptroller.

(b) If the Refunding Bonds are sold at public sale pursuant to Section 57.00 of the Law, the Comptroller/Director of Finance is hereby authorized and direct to prepare or have prepared a Notice of Sale, which shall be published at least once in "THE BOND BUYER," published in the City of New York, not less than five (5) nor more than thirty (30) days prior to the date of said sale.

(c) Prior to the issuance of the Refunding Bonds, the Comptroller/Director of Finance shall have filed with the City Council a certificate approved by the State Comptroller setting forth the Present Value Savings to the City resulting from the issuance of the Refunding Bonds.

(d) In connection with such sale, the City Council hereby authorizes the preparation of an Official Statement and approves its use in connection with such sale, and, further, consents to the distribution of a Preliminary Official Statement prior to the date said Official Statement is executed and available for distribution.

(e) The Comptroller/Director of Finance is hereby further authorized and directed to take any and all actions necessary to accomplish said refunding, and to execute any contracts and agreements for the purchase of and payment for services rendered or to be rendered the City in connection with said refunding including the preparation of the refunding financial plan referred to in Section 2.

Section 7. Each of the Refunding Bonds authorized by this resolution shall contain the recital of validity prescribed by Section 52.00 of the Law and said Refunding Bonds shall be general obligations of the City payable as to both principal and interest by a general tax upon all the taxable real property within the City. The faith and credit of the City are hereby irrevocably pledged to the punctual payment of the principal of and interest on said Refunding Bonds and provision shall be made annually in the budget of the City for (a) the amortization and redemption of the Refunding Bonds to mature in such year and (b) the payment of interest to be due and payable in such year.

Section 8. Subject to the provisions of this resolution and of the Law, and pursuant to the provisions of Sections 21.00, 50.00, 56.00, 90.10 and 168.00 of the Law, the powers and duties of the City Council relative to (i) prescribing the terms, form and contents of the Refunding Bonds, (ii) the sale and issuance of the Refunding Bonds, (iii) the making of determinations to issue Refunding Bonds and provide for substantially level or declining debt service, (iv) authorizing and executing agreements for credit enhancement of the Refunding Bonds, and (v) executing the Escrow Contract described in Section 9 and the Official Statement referred to in Section 6, are hereby delegated to the Comptroller/Director of Finance as the chief fiscal officer of the City.

Section 9. Prior to the issuance of the Refunding Bonds the City shall contract with a bank or trust company located and authorized to do business in New York State for the purpose of having such bank or trust company act as the Escrow Holder of the proceeds, inclusive of any premium from the sale of the Refunding Bonds, together with all income derived from the investment of such proceeds. The Escrow Contract shall contain such terms

and conditions as shall be necessary in order to accomplish the refunding financial plan, including provisions for the Escrow Holder without further authorization or direction from the City, except as otherwise provided therein, (a) to make all required payments of principal, interest and redemption premiums to the appropriate paying agent with respect to the Bonds To Be Refunded, (b) to pay costs and expenses incidental to the issuance of the Refunding Bonds, including the development of the refunding financial plan, and of executing and performing the terms and conditions of the Escrow Contract and all of its fees and charges as the Escrow Holder, (c) at the appropriate time or times to cause to be given on behalf of the City the notices of redemption authorized to be given pursuant to Section 12 hereof, and (d) to invest the moneys held by it consistent with the provisions of the final refunding financial plan. The Escrow Contract shall be irrevocable and shall constitute a covenant with the holders of the Refunding Bonds.

Section 10. The proceeds, inclusive of any premium, from the sale of the Refunding Bonds, immediately upon receipt, shall be placed in escrow by the City with the Escrow Holder in accordance with the Escrow Contract. All moneys held by the Escrow Holder shall be invested only in direct obligations of the United States of America or in obligations the principal of and interest on which are unconditionally guaranteed by the United States of America, which obligations shall mature or be subject to redemption at the option of the holder thereof not later than the respective dates when such moneys will be required to make payments in accordance with the refunding financial plan. Any such moneys remaining in the custody of the Escrow Holder after the full execution of the Escrow Contract shall be returned to the City

and shall be applied by the City only to the payment of the principal of or interest on the Refunding Bonds then outstanding.

Section 11. That portion of such proceeds from the sale of the Refunding Bonds, together with interest earned thereon, which shall be required for the payment of the principal of and interest on the Bonds To Be Refunded, including any redemption premiums, in accordance with the refunding financial plan, shall be irrevocably committed and pledged to such purpose and the holders of the Bonds To Be Refunded shall have a lien upon such moneys and the investments thereof held by the Escrow Holder. The pledge and lien provided for herein shall become valid and binding upon the issuance of the Refunding Bonds and the moneys and investments held by the Escrow Holder shall immediately be subject thereto without any further act. Such pledge and lien shall be valid and binding against all parties having claims of any kind in tort, contract or otherwise against the City irrespective of whether such parties have notice thereof. Neither this resolution, the Escrow Contract, nor any other instrument relating to such pledge and lien, need be filed or recorded.

Section 12. In accordance with the provisions of Section 53.00 and of paragraph h of Section 90.10 of the Law, the City Council hereby elects to call in and redeem all the Bonds To Be Refunded which are subject to prior redemption according to their terms on the Redemption Date. The sum to be paid therefor on the Redemption Date shall be the par value thereof, the accrued interest to the Redemption Date and the redemption premiums, if any. The Escrow Holder is hereby authorized and directed to cause notice(s) of such call for redemption to be given in the name of the City by mailing or transmitting such notice(s) to the registered holders of the Bonds To Be Refunded which are subject to prior redemption at least thirty days

prior to such Redemption Date. Upon the issuance of the Refunding Bonds, the election to call in and redeem the Bonds To Be Refunded subject to prior redemption on the Redemption Date and the direction to the Escrow Holder to cause notice thereof to be given as provided in this section shall become irrevocable and the provisions of this section shall constitute a covenant with the holders, from time to time, of the Refunding Bonds, provided that this section may be amended from time to time as may be necessary to comply with the requirements of paragraph a of Section 53.00 of the Law, as the same may be amended from time to time.

Section 13. Pursuant to the provisions of section 16 of Chapter 223 of the New York Laws of 2010, the City is authorized to include in this resolution the following pledge and agreement of the State of New York (herein called the "State") contained in said Section 16:

“The state does hereby pledge to and agree with the holders of any bonds, notes or other obligations issued by the city during the effective period of this act and secured by such a pledge that the state will not limit, alter or impair the rights hereby vested in the city to fulfill the terms of any agreements made with such holders pursuant to this act, or in any way impair the rights and remedies of such holders or the security for such bonds, notes or other obligations until such bonds, notes or other obligations together with the interest thereon and all costs and expenses in connection with any action or proceeding by or on behalf of such holders, are fully paid and discharged.”

Section 14. The validity of the Refunding Bonds may be contested only if:

- (a) Such obligations are authorized for an object or purpose for which said City is not authorized to expend money; or
- (b) The provisions of law which should be complied with at the date of publication of this resolution are not substantially complied with



and an action, suit or proceeding contesting such validity is commenced within twenty days after the date of such publication; or

(c) Such obligations are authorized in violation of the provisions of the Constitution.

Section 15. This Refunding Bond Resolution shall take effect immediately, and the City Clerk is hereby authorized and directed to publish the foregoing resolution, in summary, in the "*The Sentinel*," "*The Mid Hudson Times*," and "*The Hudson Valley Press*," three newspapers each of said newspapers having been designated the official newspapers of the City for such publication, together with a notice in substantially the form prescribed in Section 81.00 of the Local Finance Law of the State of New York.

\* \* \*

The adoption of the foregoing resolution was seconded by \_\_\_\_\_  
and duly put to a vote on roll call, which resulted as follows:

AYES:

NOES:

The resolution was declared adopted.

Exhibit A

Proposed Refunding Financial Plan

CERTIFICATE

I, LORENE VITEK, City Clerk of the City of Newburgh, in the County of Orange, State of New York, HEREBY CERTIFY that the foregoing annexed extract from the minutes of a meeting of the City Council of said City of Newburgh duly called and held on September 22, 2016, has been compared by me with the original minutes as officially recorded in my office in the Minute Book of said City Council and is a true, complete and correct copy thereof and of the whole of said original minutes so far as the same relate to the subject matters referred to in said extract.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of said City of Newburgh this \_\_\_\_\_ day of September, 2016.

(SEAL)

\_\_\_\_\_  
City Clerk

THE FOLLOWING NOTICE IS TO BE ATTACHED TO AND  
**TO BE PUBLISHED**  
WITH SUMMARY OF RESOLUTION AFTER ADOPTION)

NOTICE

The refunding bond resolution, a summary of which is published herewith, has been adopted by the City Council on the 22nd day of September, 2016, and the validity of the obligations authorized by such resolution may be hereafter contested only if such obligations were authorized for an object or purpose for which the City of Newburgh, County of Orange, New York, is not authorized to expend money or if the provisions of law which should have been complied with as of the date of publication of this Notice were not substantially complied with, and an action, suit or proceeding contesting such validity is commenced within twenty days after the publication of this Notice, or such obligations were authorized in violation of the provisions of the Constitution.

LORENE VITEK  
City Clerk

RESOLUTION NO. \_\_\_\_\_ - 2016

BOND RESOLUTION DATED SEPTEMBER \_\_, 2016

REFUNDING BOND RESOLUTION OF THE CITY OF NEWBURGH IN THE COUNTY OF ORANGE, NEW YORK, AUTHORIZING THE REFUNDING OF ALL OR A PORTION OF CERTAIN OUTSTANDING SERIAL BONDS OF SAID CITY, STATING THE PLAN OF REFUNDING, APPROPRIATING AN AMOUNT NOT TO EXCEED \$16,000,000 THEREFOR, AUTHORIZING THE ISSUANCE OF \$16,000,000 REFUNDING BONDS OF SAID CITY OR SO MUCH THEREOF AS MAY BE NECESSARY TO FINANCE SAID APPROPRIATION, AND MAKING CERTAIN DETERMINATIONS ALL RELATIVE THERETO.

object or purpose:      to finance the cost of refunding all or a portion of the outstanding unredeemed maturities of the City's Public Improvement Serial Bonds, Series 2008A and Public Improvement Serial Bonds, Series 2008B by the issuance of new bonds, the issuance of which will result in present value debt service savings for the City, all as more particularly described in the refunding financial plan prepared for the City by Capital Markets Advisors, LLC

amount of obligations to be issued:    not to exceed \$16,000,000

A complete copy of the Refunding Bond Resolution and the refunding financial plan summarized above shall be available for public inspection during normal business hours at the office of the City Clerk in Newburgh, New York.

Dated: September \_\_, 2016  
Newburgh, New York

## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Refunding Summary

Dated 11/15/2016 | Delivered 11/15/2016

	2008 Series A Bonds	2008 Series B Bonds	Issue Summary
<b>Sources Of Funds</b>			
Par Amount of Bonds	\$4,555,000.00	\$10,395,000.00	\$14,950,000.00
<b>Total Sources</b>	<b>\$4,555,000.00</b>	<b>\$10,395,000.00</b>	<b>\$14,950,000.00</b>
<b>Uses Of Funds</b>			
Total Underwriter's Discount (0.700%)	31,885.00	72,765.00	104,650.00
Costs of Issuance	27,421.40	62,578.60	90,000.00
Deposit to Net Cash Escrow Fund	4,494,262.43	10,258,734.11	14,752,996.54
Rounding Amount	1,431.17	922.29	2,353.46
<b>Total Uses</b>	<b>\$4,555,000.00</b>	<b>\$10,395,000.00</b>	<b>\$14,950,000.00</b>

### Flow of Funds Detail

State and Local Government Series (SLGS) rates for Date of OMP Candidates	9/09/2016	9/09/2016	9/09/2016
Primary Purpose Fund Solution Method	Net Funded	Net Funded	Net Funded
Total Cost of Investments	\$4,494,262.43	\$10,258,734.11	\$14,752,996.54
Interest Earnings @ 0.723%	51,900.09	129,353.41	181,253.50
Total Draws	\$4,546,162.52	\$10,388,087.52	\$14,934,250.04

### PV Analysis Summary (Net to Net)

Net PV Cashflow Savings @ 2.643%(AIC)	283,446.85	1,138,750.18	1,425,532.65
Contingency or Rounding Amount	1,431.17	922.29	2,353.46
Net Present Value Benefit	\$284,878.02	\$1,139,672.47	\$1,427,886.11
Net PV Benefit / \$13,690,000 Refunded Principal	6.815%	11.984%	10.430%
Net PV Benefit / \$14,950,000 Refunding Principal	6.254%	10.964%	9.551%

### Bond Statistics

Average Life	7.518 Years	11.590 Years	10.350 Years
Average Coupon	2.4169554%	2.7360029%	2.6653861%
Net Interest Cost (NIC)	2.5100594%	2.7963988%	2.7330215%
Bond Yield for Arbitrage Purposes	2.6431582%	2.6431582%	2.6431582%
True Interest Cost (TIC)	2.5013691%	2.7898469%	2.7232729%
All Inclusive Cost (AIC)	2.3966388%	2.7170303%	2.6431582%

2016 Refunding - 9.9.16 | Issue Summary | 9/9/2016 | 11:43 AM

## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Schedule

Part 1 of 2

Date	Principal	Coupon	Interest	Total P+I
01/15/2017	-	-	60,012.50	60,012.50
07/15/2017	290,000.00	1.270%	180,037.50	470,037.50
01/15/2018	-	-	178,196.00	178,196.00
07/15/2018	170,000.00	1.420%	178,196.00	348,196.00
01/15/2019	-	-	176,989.00	176,989.00
07/15/2019	975,000.00	1.560%	176,989.00	1,151,989.00
01/15/2020	-	-	169,384.00	169,384.00
07/15/2020	965,000.00	1.720%	169,384.00	1,134,384.00
01/15/2021	-	-	161,085.00	161,085.00
07/15/2021	970,000.00	1.850%	161,085.00	1,131,085.00
01/15/2022	-	-	152,112.50	152,112.50
07/15/2022	925,000.00	1.990%	152,112.50	1,077,112.50
01/15/2023	-	-	142,908.75	142,908.75
07/15/2023	915,000.00	2.140%	142,908.75	1,057,908.75
01/15/2024	-	-	133,118.25	133,118.25
07/15/2024	765,000.00	2.290%	133,118.25	898,118.25
01/15/2025	-	-	124,359.00	124,359.00
07/15/2025	775,000.00	2.390%	124,359.00	899,359.00
01/15/2026	-	-	115,097.75	115,097.75
07/15/2026	790,000.00	2.490%	115,097.75	905,097.75
01/15/2027	-	-	105,262.25	105,262.25
07/15/2027	725,000.00	2.580%	105,262.25	830,262.25
01/15/2028	-	-	95,909.75	95,909.75
07/15/2028	735,000.00	2.660%	95,909.75	830,909.75
01/15/2029	-	-	86,134.25	86,134.25
07/15/2029	740,000.00	2.730%	86,134.25	826,134.25
01/15/2030	-	-	76,033.25	76,033.25
07/15/2030	765,000.00	2.780%	76,033.25	841,033.25
01/15/2031	-	-	65,399.75	65,399.75
07/15/2031	775,000.00	2.830%	65,399.75	840,399.75
01/15/2032	-	-	54,433.50	54,433.50
07/15/2032	795,000.00	2.890%	54,433.50	849,433.50
01/15/2033	-	-	42,945.75	42,945.75
07/15/2033	820,000.00	2.930%	42,945.75	862,945.75
01/15/2034	-	-	30,932.75	30,932.75
07/15/2034	665,000.00	2.980%	30,932.75	695,932.75
01/15/2035	-	-	21,024.25	21,024.25
07/15/2035	685,000.00	3.020%	21,024.25	706,024.25
01/15/2036	-	-	10,680.75	10,680.75
07/15/2036	705,000.00	3.030%	10,680.75	715,680.75
<b>Total</b>	<b>\$14,950,000.00</b>	<b>-</b>	<b>\$4,124,063.00</b>	<b>\$19,074,063.00</b>

## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Schedule

Part 2 of 2

### Yield Statistics

Bond Year Dollars	\$154,726.67
Average Life	10.350 Years
Average Coupon	2.6653861%

Net Interest Cost (NIC)	2.7330215%
True Interest Cost (TIC)	2.7232729%
Bond Yield for Arbitrage Purposes	2.6431582%
All Inclusive Cost (AIC)	2.6431582%

### IRS Form 8038

Net Interest Cost	2.6653861%
Weighted Average Maturity	10.350 Years



## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Comparison

Date	Total P+I	Existing D/S	Net New D/S	Old Net D/S	Savings
12/31/2016	-	-	-	-	-
12/31/2017	530,050.00	854,862.50	1,384,912.50	1,476,987.52	92,075.02
12/31/2018	526,392.00	830,325.00	1,356,717.00	1,452,450.02	95,733.02
12/31/2019	1,328,978.00	-	1,328,978.00	1,427,125.02	98,147.02
12/31/2020	1,303,768.00	-	1,303,768.00	1,400,150.02	96,382.02
12/31/2021	1,292,170.00	-	1,292,170.00	1,387,350.02	95,180.02
12/31/2022	1,229,225.00	-	1,229,225.00	1,322,700.02	93,475.02
12/31/2023	1,200,817.50	-	1,200,817.50	1,294,287.52	93,470.02
12/31/2024	1,031,236.50	-	1,031,236.50	1,129,650.02	98,413.52
12/31/2025	1,023,718.00	-	1,023,718.00	1,120,537.52	96,819.52
12/31/2026	1,020,195.50	-	1,020,195.50	1,114,881.26	94,685.76
12/31/2027	935,524.50	-	935,524.50	1,027,943.76	92,419.26
12/31/2028	926,819.50	-	926,819.50	1,022,743.76	95,924.26
12/31/2029	912,268.50	-	912,268.50	1,011,243.76	98,975.26
12/31/2030	917,066.50	-	917,066.50	1,008,843.76	91,777.26
12/31/2031	905,799.50	-	905,799.50	1,004,200.02	98,400.52
12/31/2032	903,867.00	-	903,867.00	1,003,125.00	99,258.00
12/31/2033	905,891.50	-	905,891.50	999,643.76	93,752.26
12/31/2034	726,865.50	-	726,865.50	804,500.00	77,634.50
12/31/2035	727,048.50	-	727,048.50	804,750.00	77,701.50
12/31/2036	726,361.50	-	726,361.50	803,250.00	76,888.50
<b>Total</b>	<b>\$19,074,063.00</b>	<b>\$1,685,187.50</b>	<b>\$20,759,250.50</b>	<b>\$22,616,362.76</b>	<b>\$1,857,112.26</b>

### PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings	1,425,532.65
Net PV Cashflow Savings @ 2.643%(AIC)	1,425,532.65
Contingency or Rounding Amount	2,353.46
Net Present Value Benefit	\$1,427,886.11
Net PV Benefit / \$13,690,000 Refunded Principal	10.430%
Net PV Benefit / \$14,950,000 Refunding Principal	9.551%

### Refunding Bond Information

Refunding Dated Date	11/15/2016
Refunding Delivery Date	11/15/2016

## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Escrow Fund Cashflow

Date	Principal	Rate	Interest	Receipts	Disbursements	Cash Balance
11/15/2016	-	-	-	0.54	-	0.54
01/15/2017	86,342.00	0.290%	5,198.37	91,540.37	91,540.63	0.28
03/01/2017	198,260.00	0.350%	21,262.01	219,522.01	219,521.88	0.41
07/15/2017	75,716.00	0.540%	15,825.21	91,541.21	91,540.63	0.99
09/01/2017	182,776.00	0.540%	36,745.99	219,521.99	219,521.88	1.10
01/15/2018	75,986.00	0.610%	15,554.13	91,540.13	91,540.63	0.60
03/01/2018	183,560.00	0.630%	35,961.81	219,521.81	219,521.88	0.53
07/15/2018	4,256,218.00	0.720%	15,322.38	4,271,540.38	4,271,540.63	0.28
09/01/2018	9,694,138.00	0.730%	35,383.60	9,729,521.60	9,729,521.88	-
<b>Total</b>	<b>\$14,752,996.00</b>	<b>-</b>	<b>\$181,253.50</b>	<b>\$14,934,250.04</b>	<b>\$14,934,250.04</b>	<b>-</b>

### Investment Parameters

Investment Model [PV, GIC, or Securities]	Securities
Default investment yield target	Bond Yield
Cash Deposit	0.54
Cost of Investments Purchased with Bond Proceeds	14,752,996.00
Total Cost of Investments	\$14,752,996.54
Target Cost of Investments at bond yield	\$14,285,217.32
Actual positive or (negative) arbitrage	(467,779.22)
Yield to Receipt	0.7226530%
Yield for Arbitrage Purposes	2.6431582%
State and Local Government Series (SLGS) rates for	9/09/2016

## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Escrow Summary Cost

Maturity	Type	Coupon	Yield	\$ Price	Par Amount	Principal Cost	+Accrued Interest	= Total Cost
<b>Escrow</b>								
01/15/2017	SLGS-CI	0.290%	0.290%	100.0000000%	86,342	86,342.00	-	86,342.00
03/01/2017	SLGS-CI	0.350%	0.350%	100.0000000%	198,260	198,260.00	-	198,260.00
07/15/2017	SLGS-CI	0.540%	0.540%	100.0000000%	75,716	75,716.00	-	75,716.00
09/01/2017	SLGS-CI	0.540%	0.540%	100.0000000%	182,776	182,776.00	-	182,776.00
01/15/2018	SLGS-NT	0.610%	0.610%	100.0000000%	75,986	75,986.00	-	75,986.00
03/01/2018	SLGS-NT	0.630%	0.630%	100.0000000%	183,560	183,560.00	-	183,560.00
07/15/2018	SLGS-NT	0.720%	0.720%	100.0000000%	4,256,218	4,256,218.00	-	4,256,218.00
09/01/2018	SLGS-NT	0.730%	0.730%	100.0000000%	9,694,138	9,694,138.00	-	9,694,138.00
<b>Subtotal</b>		-	-	-	<b>\$14,752,996</b>	<b>\$14,752,996.00</b>	-	<b>\$14,752,996.00</b>
<b>Total</b>		-	-	-	<b>\$14,752,996</b>	<b>\$14,752,996.00</b>	-	<b>\$14,752,996.00</b>

### Escrow

Cash Deposit	0.54
Cost of Investments Purchased with Bond Proceeds	14,752,996.00
Total Cost of Investments	\$14,752,996.54

Delivery Date	11/15/2016
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## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Primary Purpose Fund Proof Of Yield @ 0.7226530%

Date	Cashflow	PV Factor	Present Value	Cumulative PV
11/15/2016	-	1.0000000x	-	-
01/15/2017	91,540.37	0.9987985x	91,430.38	91,430.38
03/01/2017	219,522.01	0.9978783x	219,056.25	310,486.63
07/15/2017	91,541.21	0.9952025x	91,102.04	401,588.67
09/01/2017	219,521.99	0.9942857x	218,267.57	619,856.24
01/15/2018	91,540.13	0.9916196x	90,772.98	710,629.22
03/01/2018	219,521.81	0.9907060x	217,481.57	928,110.79
07/15/2018	4,271,540.38	0.9880495x	4,220,493.22	5,148,604.01
09/01/2018	9,729,521.60	0.9871392x	9,604,391.99	14,752,996.00
<b>Total</b>	<b>\$14,934,249.50</b>	<b>-</b>	<b>\$14,752,996.00</b>	<b>-</b>

### Composition Of Initial Deposit

Cost of Investments Purchased with Bond Proceeds	14,752,996.00
Adjusted Cost of Investments	14,752,996.00

## City of Newburgh

Orange County, New York

\$14,950,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Summary Of Bonds Refunded

Issue	Maturity	Type	of Bond	Coupon	Maturity Value	Call Date	Call Price
<b>Dated 7/17/2008   Delivered 7/17/2008</b>							
2008 Series A Bonds	07/15/2019	Serial	Coupon	5.000%	460,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2020	Serial	Coupon	4.000%	460,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2021	Serial	Coupon	4.125%	460,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2022	Serial	Coupon	4.125%	410,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2023	Serial	Coupon	4.250%	400,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2024	Serial	Coupon	4.250%	250,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2025	Serial	Coupon	4.300%	250,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2026	Serial	Coupon	4.375%	250,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2027	Serial	Coupon	4.400%	175,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2028	Serial	Coupon	4.500%	175,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2029	Serial	Coupon	4.500%	170,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2030	Serial	Coupon	4.600%	175,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2031	Serial	Coupon	4.625%	175,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2032	Serial	Coupon	4.625%	185,000	07/15/2018	100.000%
2008 Series A Bonds	07/15/2033	Serial	Coupon	4.625%	185,000	07/15/2018	100.000%
<b>Subtotal</b>	-	-	-	-	<b>\$4,180,000</b>	-	-
	-	-	-	-	-	-	-
<b>Dated 9/11/2008   Delivered 9/11/2008</b>							
2008 Series B Bonds	09/01/2019	Serial	Coupon	5.500%	345,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2020	Serial	Coupon	4.000%	360,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2021	Serial	Coupon	4.125%	380,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2022	Serial	Coupon	4.125%	400,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2023	Serial	Coupon	4.250%	415,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2024	Serial	Coupon	4.250%	435,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2025	Serial	Coupon	4.375%	455,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2026	Serial	Coupon	4.375%	480,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2027	Serial	Coupon	4.500%	500,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2028	Serial	Coupon	4.500%	525,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2029	Serial	Coupon	4.500%	550,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2030	Serial	Coupon	4.625%	575,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2031	Serial	Coupon	4.625%	605,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2032	Serial	Coupon	4.750%	630,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2033	Serial	Coupon	4.750%	665,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2034	Serial	Coupon	5.000%	695,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2035	Serial	Coupon	5.000%	730,000	09/01/2018	100.000%
2008 Series B Bonds	09/01/2036	Serial	Coupon	5.000%	765,000	09/01/2018	100.000%
<b>Subtotal</b>	-	-	-	-	<b>\$9,510,000</b>	-	-
<b>Total</b>	-	-	-	-	<b>\$13,690,000</b>	-	-

## City of Newburgh

Orange County, New York

\$4,555,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Schedule

Part 1 of 2

Date	Principal	Coupon	Interest	Total P+I
01/15/2017	-	-	16,382.92	16,382.92
07/15/2017	100,000.00	1.270%	49,148.75	149,148.75
01/15/2018	-	-	48,513.75	48,513.75
07/15/2018	65,000.00	1.420%	48,513.75	113,513.75
01/15/2019	-	-	48,052.25	48,052.25
07/15/2019	525,000.00	1.560%	48,052.25	573,052.25
01/15/2020	-	-	43,957.25	43,957.25
07/15/2020	510,000.00	1.720%	43,957.25	553,957.25
01/15/2021	-	-	39,571.25	39,571.25
07/15/2021	505,000.00	1.850%	39,571.25	544,571.25
01/15/2022	-	-	34,900.00	34,900.00
07/15/2022	445,000.00	1.990%	34,900.00	479,900.00
01/15/2023	-	-	30,472.25	30,472.25
07/15/2023	425,000.00	2.140%	30,472.25	455,472.25
01/15/2024	-	-	25,924.75	25,924.75
07/15/2024	265,000.00	2.290%	25,924.75	290,924.75
01/15/2025	-	-	22,890.50	22,890.50
07/15/2025	260,000.00	2.390%	22,890.50	282,890.50
01/15/2026	-	-	19,783.50	19,783.50
07/15/2026	260,000.00	2.490%	19,783.50	279,783.50
01/15/2027	-	-	16,546.50	16,546.50
07/15/2027	180,000.00	2.580%	16,546.50	196,546.50
01/15/2028	-	-	14,224.50	14,224.50
07/15/2028	175,000.00	2.660%	14,224.50	189,224.50
01/15/2029	-	-	11,897.00	11,897.00
07/15/2029	165,000.00	2.730%	11,897.00	176,897.00
01/15/2030	-	-	9,644.75	9,644.75
07/15/2030	170,000.00	2.780%	9,644.75	179,644.75
01/15/2031	-	-	7,281.75	7,281.75
07/15/2031	165,000.00	2.830%	7,281.75	172,281.75
01/15/2032	-	-	4,947.00	4,947.00
07/15/2032	170,000.00	2.890%	4,947.00	174,947.00
01/15/2033	-	-	2,490.50	2,490.50
07/15/2033	170,000.00	2.930%	2,490.50	172,490.50
<b>Total</b>	<b>\$4,555,000.00</b>	<b>-</b>	<b>\$827,726.67</b>	<b>\$5,382,726.67</b>

## City of Newburgh

Orange County, New York

\$4,555,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Schedule

Part 2 of 2

### Yield Statistics

Bond Year Dollars	\$34,246.67
Average Life	7.518 Years
Average Coupon	2.4169554%
Net Interest Cost (NIC)	2.5100594%
True Interest Cost (TIC)	2.5013691%
Bond Yield for Arbitrage Purposes	2.6431582%
All Inclusive Cost (AIC)	2.3966388%

### IRS Form 8038

Net Interest Cost	2.4169554%
Weighted Average Maturity	7.518 Years

## City of Newburgh

Orange County, New York

\$4,555,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Comparison

Date	Total P+I	Existing D/S	Net New D/S	Old Net D/S	Savings
12/31/2016	-	-	-	-	-
12/31/2017	165,531.67	506,000.00	671,531.67	689,081.26	17,549.59
12/31/2018	162,027.50	483,000.00	645,027.50	666,081.26	21,053.76
12/31/2019	621,104.50	-	621,104.50	643,081.26	21,976.76
12/31/2020	597,914.50	-	597,914.50	620,081.26	22,166.76
12/31/2021	584,142.50	-	584,142.50	601,681.26	17,538.76
12/31/2022	514,800.00	-	514,800.00	532,706.26	17,906.26
12/31/2023	485,944.50	-	485,944.50	505,793.76	19,849.26
12/31/2024	316,849.50	-	316,849.50	338,793.76	21,944.26
12/31/2025	305,781.00	-	305,781.00	328,168.76	22,387.76
12/31/2026	299,567.00	-	299,567.00	317,418.76	17,851.76
12/31/2027	213,093.00	-	213,093.00	231,481.26	18,388.26
12/31/2028	203,449.00	-	203,449.00	223,781.26	20,332.26
12/31/2029	188,794.00	-	188,794.00	210,906.26	22,112.26
12/31/2030	189,289.50	-	189,289.50	208,256.26	18,966.76
12/31/2031	179,563.50	-	179,563.50	200,206.26	20,642.76
12/31/2032	179,894.00	-	179,894.00	202,112.50	22,218.50
12/31/2033	174,981.00	-	174,981.00	193,556.26	18,575.26
<b>Total</b>	<b>\$5,382,726.67</b>	<b>\$989,000.00</b>	<b>\$6,371,726.67</b>	<b>\$6,713,187.66</b>	<b>\$341,460.99</b>

### PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings	283,446.85
Net PV Cashflow Savings @ 2.397%(AIC)	283,446.85
Contingency or Rounding Amount	1,431.17
Net Present Value Benefit	\$284,878.02
Net PV Benefit / \$4,180,000 Refunded Principal	6.815%
Net PV Benefit / \$4,555,000 Refunding Principal	6.254%

### Refunding Bond Information

Refunding Dated Date	11/15/2016
Refunding Delivery Date	11/15/2016



## City of Newburgh

Orange County, New York

Public Improvement Serial Bonds, Series 2008 A

## Debt Service To Maturity And To Call

Part 1 of 2

Date	Refunded Bonds	Refunded Interest	D/S To Call	Principal	Coupon	Interest	Refunded D/S
01/15/2017	-	91,540.63	91,540.63	-	-	91,540.63	91,540.63
07/15/2017	-	91,540.63	91,540.63	-	5.000%	91,540.63	91,540.63
01/15/2018	-	91,540.63	91,540.63	-	-	91,540.63	91,540.63
07/15/2018	4,180,000.00	91,540.63	4,271,540.63	-	5.000%	91,540.63	91,540.63
01/15/2019	-	-	-	-	-	91,540.63	91,540.63
07/15/2019	-	-	-	460,000.00	5.000%	91,540.63	551,540.63
01/15/2020	-	-	-	-	-	80,040.63	80,040.63
07/15/2020	-	-	-	460,000.00	4.000%	80,040.63	540,040.63
01/15/2021	-	-	-	-	-	70,840.63	70,840.63
07/15/2021	-	-	-	460,000.00	4.125%	70,840.63	530,840.63
01/15/2022	-	-	-	-	-	61,353.13	61,353.13
07/15/2022	-	-	-	410,000.00	4.125%	61,353.13	471,353.13
01/15/2023	-	-	-	-	-	52,896.88	52,896.88
07/15/2023	-	-	-	400,000.00	4.250%	52,896.88	452,896.88
01/15/2024	-	-	-	-	-	44,396.88	44,396.88
07/15/2024	-	-	-	250,000.00	4.250%	44,396.88	294,396.88
01/15/2025	-	-	-	-	-	39,084.38	39,084.38
07/15/2025	-	-	-	250,000.00	4.300%	39,084.38	289,084.38
01/15/2026	-	-	-	-	-	33,709.38	33,709.38
07/15/2026	-	-	-	250,000.00	4.375%	33,709.38	283,709.38
01/15/2027	-	-	-	-	-	28,240.63	28,240.63
07/15/2027	-	-	-	175,000.00	4.400%	28,240.63	203,240.63
01/15/2028	-	-	-	-	-	24,390.63	24,390.63
07/15/2028	-	-	-	175,000.00	4.500%	24,390.63	199,390.63
01/15/2029	-	-	-	-	-	20,453.13	20,453.13
07/15/2029	-	-	-	170,000.00	4.500%	20,453.13	190,453.13
01/15/2030	-	-	-	-	-	16,628.13	16,628.13
07/15/2030	-	-	-	175,000.00	4.600%	16,628.13	191,628.13
01/15/2031	-	-	-	-	-	12,603.13	12,603.13
07/15/2031	-	-	-	175,000.00	4.625%	12,603.13	187,603.13
01/15/2032	-	-	-	-	-	8,556.25	8,556.25
07/15/2032	-	-	-	185,000.00	4.625%	8,556.25	193,556.25
01/15/2033	-	-	-	-	-	4,278.13	4,278.13
07/15/2033	-	-	-	185,000.00	4.625%	4,278.13	189,278.13
<b>Total</b>	<b>\$4,180,000.00</b>	<b>\$366,162.52</b>	<b>\$4,546,162.52</b>	<b>\$4,180,000.00</b>	<b>-</b>	<b>\$1,544,187.66</b>	<b>\$5,724,187.66</b>

2008 Series A Bonds | SINGLE PURPOSE | 9/ 9/2016 | 11:43 AM

## City of Newburgh

Orange County, New York

Public Improvement Serial Bonds, Series 2008 A

## Debt Service To Maturity And To Call

Part 2 of 2

### Yield Statistics

Base date for Avg. Life & Avg. Coupon Calculation	11/15/2016
Average Life	8.027 Years
Average Coupon	4.4205273%
Weighted Average Maturity (Par Basis)	8.027 Years
Weighted Average Maturity (Original Price Basis)	8.027 Years

### Refunding Bond Information

Refunding Dated Date	11/15/2016
Refunding Delivery Date	11/15/2016

## City of Newburgh

Orange County, New York

\$10,395,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Schedule

Part 1 of 2

Date	Principal	Coupon	Interest	Total P+I
01/15/2017	-	-	43,629.58	43,629.58
07/15/2017	190,000.00	1.270%	130,888.75	320,888.75
01/15/2018	-	-	129,682.25	129,682.25
07/15/2018	105,000.00	1.420%	129,682.25	234,682.25
01/15/2019	-	-	128,936.75	128,936.75
07/15/2019	450,000.00	1.560%	128,936.75	578,936.75
01/15/2020	-	-	125,426.75	125,426.75
07/15/2020	455,000.00	1.720%	125,426.75	580,426.75
01/15/2021	-	-	121,513.75	121,513.75
07/15/2021	465,000.00	1.850%	121,513.75	586,513.75
01/15/2022	-	-	117,212.50	117,212.50
07/15/2022	480,000.00	1.990%	117,212.50	597,212.50
01/15/2023	-	-	112,436.50	112,436.50
07/15/2023	490,000.00	2.140%	112,436.50	602,436.50
01/15/2024	-	-	107,193.50	107,193.50
07/15/2024	500,000.00	2.290%	107,193.50	607,193.50
01/15/2025	-	-	101,468.50	101,468.50
07/15/2025	515,000.00	2.390%	101,468.50	616,468.50
01/15/2026	-	-	95,314.25	95,314.25
07/15/2026	530,000.00	2.490%	95,314.25	625,314.25
01/15/2027	-	-	88,715.75	88,715.75
07/15/2027	545,000.00	2.580%	88,715.75	633,715.75
01/15/2028	-	-	81,685.25	81,685.25
07/15/2028	560,000.00	2.660%	81,685.25	641,685.25
01/15/2029	-	-	74,237.25	74,237.25
07/15/2029	575,000.00	2.730%	74,237.25	649,237.25
01/15/2030	-	-	66,388.50	66,388.50
07/15/2030	595,000.00	2.780%	66,388.50	661,388.50
01/15/2031	-	-	58,118.00	58,118.00
07/15/2031	610,000.00	2.830%	58,118.00	668,118.00
01/15/2032	-	-	49,486.50	49,486.50
07/15/2032	625,000.00	2.890%	49,486.50	674,486.50
01/15/2033	-	-	40,455.25	40,455.25
07/15/2033	650,000.00	2.930%	40,455.25	690,455.25
01/15/2034	-	-	30,932.75	30,932.75
07/15/2034	665,000.00	2.980%	30,932.75	695,932.75
01/15/2035	-	-	21,024.25	21,024.25
07/15/2035	685,000.00	3.020%	21,024.25	706,024.25
01/15/2036	-	-	10,680.75	10,680.75
07/15/2036	705,000.00	3.030%	10,680.75	715,680.75
<b>Total</b>	<b>\$10,395,000.00</b>	<b>-</b>	<b>\$3,296,336.33</b>	<b>\$13,691,336.33</b>

## City of Newburgh

Orange County, New York

\$10,395,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Schedule

Part 2 of 2

### Yield Statistics

Bond Year Dollars	\$120,480.00
Average Life	11.590 Years
Average Coupon	2.7360029%

Net Interest Cost (NIC)	2.7963988%
True Interest Cost (TIC)	2.7898469%
Bond Yield for Arbitrage Purposes	2.6431582%
All Inclusive Cost (AIC)	2.7170303%

### IRS Form 8038

Net Interest Cost	2.7360029%
Weighted Average Maturity	11.590 Years

## City of Newburgh

Orange County, New York

\$10,395,000 Public Improvement Refunding Serial Bonds, Series 2016

Prevailing 'Baa' Rates plus 25 bps - 9.9.16

## Debt Service Comparison

Date	Total P+I	Existing D/S	Net New D/S	Old Net D/S	Savings
12/31/2016	-	-	-	-	-
12/31/2017	364,518.33	348,862.50	713,380.83	787,906.26	74,525.43
12/31/2018	364,364.50	347,325.00	711,689.50	786,368.76	74,679.26
12/31/2019	707,873.50	-	707,873.50	784,043.76	76,170.26
12/31/2020	705,853.50	-	705,853.50	780,068.76	74,215.26
12/31/2021	708,027.50	-	708,027.50	785,668.76	77,641.26
12/31/2022	714,425.00	-	714,425.00	789,993.76	75,568.76
12/31/2023	714,873.00	-	714,873.00	788,493.76	73,620.76
12/31/2024	714,387.00	-	714,387.00	790,856.26	76,469.26
12/31/2025	717,937.00	-	717,937.00	792,368.76	74,431.76
12/31/2026	720,628.50	-	720,628.50	797,462.50	76,834.00
12/31/2027	722,431.50	-	722,431.50	796,462.50	74,031.00
12/31/2028	723,370.50	-	723,370.50	798,962.50	75,592.00
12/31/2029	723,474.50	-	723,474.50	800,337.50	76,863.00
12/31/2030	727,777.00	-	727,777.00	800,587.50	72,810.50
12/31/2031	726,236.00	-	726,236.00	803,993.76	77,757.76
12/31/2032	723,973.00	-	723,973.00	801,012.50	77,039.50
12/31/2033	730,910.50	-	730,910.50	806,087.50	75,177.00
12/31/2034	726,865.50	-	726,865.50	804,500.00	77,634.50
12/31/2035	727,048.50	-	727,048.50	804,750.00	77,701.50
12/31/2036	726,361.50	-	726,361.50	803,250.00	76,888.50
<b>Total</b>	<b>\$13,691,336.33</b>	<b>\$696,187.50</b>	<b>\$14,387,523.83</b>	<b>\$15,903,175.10</b>	<b>\$1,515,651.27</b>

### PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings	1,138,750.18
Net PV Cashflow Savings @ 2.717%(AIC)	1,138,750.18
Contingency or Rounding Amount	922.29
Net Present Value Benefit	\$1,139,672.47
Net PV Benefit / \$9,510,000 Refunded Principal	11.984%
Net PV Benefit / \$10,395,000 Refunding Principal	10.964%

### Refunding Bond Information

Refunding Dated Date	11/15/2016
Refunding Delivery Date	11/15/2016

## City of Newburgh

Orange County, New York

Public Improvement Serial Bonds, Series 2008B

### Debt Service To Maturity And To Call

Part 1 of 2

Date	Refunded Bonds	Refunded Interest	D/S To Call	Principal	Coupon	Interest	Refunded D/S
03/01/2017	-	219,521.88	219,521.88	-	-	219,521.88	219,521.88
09/01/2017	-	219,521.88	219,521.88	-	5.250%	219,521.88	219,521.88
03/01/2018	-	219,521.88	219,521.88	-	-	219,521.88	219,521.88
09/01/2018	9,510,000.00	219,521.88	9,729,521.88	-	5.250%	219,521.88	219,521.88
03/01/2019	-	-	-	-	-	219,521.88	219,521.88
09/01/2019	-	-	-	345,000.00	5.500%	219,521.88	564,521.88
03/01/2020	-	-	-	-	-	210,034.38	210,034.38
09/01/2020	-	-	-	360,000.00	4.000%	210,034.38	570,034.38
03/01/2021	-	-	-	-	-	202,834.38	202,834.38
09/01/2021	-	-	-	380,000.00	4.125%	202,834.38	582,834.38
03/01/2022	-	-	-	-	-	194,996.88	194,996.88
09/01/2022	-	-	-	400,000.00	4.125%	194,996.88	594,996.88
03/01/2023	-	-	-	-	-	186,746.88	186,746.88
09/01/2023	-	-	-	415,000.00	4.250%	186,746.88	601,746.88
03/01/2024	-	-	-	-	-	177,928.13	177,928.13
09/01/2024	-	-	-	435,000.00	4.250%	177,928.13	612,928.13
03/01/2025	-	-	-	-	-	168,684.38	168,684.38
09/01/2025	-	-	-	455,000.00	4.375%	168,684.38	623,684.38
03/01/2026	-	-	-	-	-	158,731.25	158,731.25
09/01/2026	-	-	-	480,000.00	4.375%	158,731.25	638,731.25
03/01/2027	-	-	-	-	-	148,231.25	148,231.25
09/01/2027	-	-	-	500,000.00	4.500%	148,231.25	648,231.25
03/01/2028	-	-	-	-	-	136,981.25	136,981.25
09/01/2028	-	-	-	525,000.00	4.500%	136,981.25	661,981.25
03/01/2029	-	-	-	-	-	125,168.75	125,168.75
09/01/2029	-	-	-	550,000.00	4.500%	125,168.75	675,168.75
03/01/2030	-	-	-	-	-	112,793.75	112,793.75
09/01/2030	-	-	-	575,000.00	4.625%	112,793.75	687,793.75
03/01/2031	-	-	-	-	-	99,496.88	99,496.88
09/01/2031	-	-	-	605,000.00	4.625%	99,496.88	704,496.88
03/01/2032	-	-	-	-	-	85,506.25	85,506.25
09/01/2032	-	-	-	630,000.00	4.750%	85,506.25	715,506.25
03/01/2033	-	-	-	-	-	70,543.75	70,543.75
09/01/2033	-	-	-	665,000.00	4.750%	70,543.75	735,543.75
03/01/2034	-	-	-	-	-	54,750.00	54,750.00
09/01/2034	-	-	-	695,000.00	5.000%	54,750.00	749,750.00
03/01/2035	-	-	-	-	-	37,375.00	37,375.00
09/01/2035	-	-	-	730,000.00	5.000%	37,375.00	767,375.00
03/01/2036	-	-	-	-	-	19,125.00	19,125.00
09/01/2036	-	-	-	765,000.00	5.000%	19,125.00	784,125.00
<b>Total</b>	<b>\$9,510,000.00</b>	<b>\$878,087.52</b>	<b>\$10,388,087.52</b>	<b>\$9,510,000.00</b>	<b>-</b>	<b>\$5,696,987.60</b>	<b>\$15,206,987.60</b>

## City of Newburgh

Orange County, New York

Public Improvement Serial Bonds, Series 2008B

## Debt Service To Maturity And To Call

Part 2 of 2

### Yield Statistics

Base date for Avg. Life & Avg. Coupon Calculation	11/15/2016
Average Life	12.538 Years
Average Coupon	4.7020563%
Weighted Average Maturity (Par Basis)	12.538 Years
Weighted Average Maturity (Original Price Basis)	12.538 Years

### Refunding Bond Information

Refunding Dated Date	11/15/2016
Refunding Delivery Date	11/15/2016

**RESOLUTION NO.: \_\_\_\_\_-2016**

**OF**

**SEPTEMBER 26, 2016**

**A RESOLUTION AMENDING THE 2016 PERSONNEL ANALYSIS BOOK  
TO ADD TWO FULL-TIME PERMANENT CODE ENFORCEMENT OFFICERS  
IN THE CODE COMPLIANCE BUREAU OF THE FIRE DEPARTMENT**

**WHEREAS**, the City staff has recommended adding two full-time permanent Code Compliance Officer positions in the Code Compliance Bureau of the Fire Department; and

**WHEREAS**, the City Council has determined that adding two full-time permanent Code Compliance Officer positions in the Code Compliance Bureau of the Fire Department will promote economy and efficiency within the Department; the same being in the best interests of the City of Newburgh; and

**WHEREAS**, the addition of the two full-time permanent Code Enforcement Officer positions requires the amendment of the City of Newburgh Adopted Personnel Analysis Book for 2016 and funding for such positions will be derived from A.3620.0499.0000.0000-FINANCIAL PLAN SAVINGS;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York that the Personnel Analysis Book for 2016 be and is hereby amended to create two full-time permanent Code Compliance Officer positions in the Code Compliance Bureau of the Fire Department at Grade 12, Step 1 with funding to be derived from A.3620.0499.0000.0000-FINANCIAL PLAN SAVINGS.



RESOLUTION NO.: \_\_\_\_\_ - 2016

OF

SEPTEMBER 12, 2016

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWBURGH  
TO REDUCE CASH PAYMENTS**

**WHEREAS**, the City Council of the City of Newburgh finds that it is in the best interests of the City of Newburgh to ensure that all monies received are handled and recorded accurately; and

**WHEREAS**, the City Council recognizes that cash collection is the most vulnerable and fraud-sensitive payment transaction; and

**WHEREAS**, the City Comptroller has proposed to eliminate cash collection beginning in 2017 by accepting only money orders and cashiers/bank check for Towing fees and by adding a credit card option for all fees payable in the City Clerk's office and at the Washington Street Boat Launch;

**WHEREAS**, the City Council finds the City Comptroller's proposals for eliminating cash collection to be in the best interests of the City of Newburgh;

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Newburgh, New York hereby declares its intent to reduce cash collection in the City of Newburgh by developing and implementing policies and procedures which incorporate best practices to improve the cash collection handling and recording with the goal of eliminating cash collection as a payment option; and

**BE IT FURTHER RESOLVED**, by the City Council of the City of Newburgh that the City Comptroller be and is hereby authorized to implement procedures for the collection of Towing fees by accepting only money orders and cashiers/bank check and for the collection of all fees payable in the City Clerk's office and at the Washington Street Boat Launch by adding a credit card payment option.

RESOLUTION NO.: \_\_\_\_\_ - 2016

OF

SEPTEMBER 26, 2016

**A RESOLUTION TO AUTHORIZE THE CONVEYANCE OF REAL PROPERTY  
KNOWN AS 170 RENWICK STREET (SECTION 45, BLOCK 14, LOT 15)  
AT PRIVATE SALE TO DARRELL WILLIAMS FOR THE AMOUNT OF \$18,000.00**

**WHEREAS**, the City of Newburgh has acquired title to several parcels of real property by foreclosure *In Rem* pursuant of Article 11 Title 3 of the Real property Tax law of the State of New York; and

**WHEREAS**, pursuant to Section 1166 of the Real Property Tax Law the City may sell properties acquired by foreclosure *In Rem* at private sale; and

**WHEREAS**, the City of Newburgh desires to sell 170 Renwick Street, being more accurately described as Section 45, Block 14, Lot 15 on the official tax map of the City of Newburgh; and

**WHEREAS**, the prospective buyer has offered to purchase this property at private sale; and

**WHEREAS**, this Council has determined that it would be in the best interests of the City of Newburgh to sell said property to the prospective buyer for the sum as outlined below, and upon the same terms and conditions annexed hereto and made a part hereof,

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York, that the sale of the following property to the indicated purchaser be and hereby is confirmed and the City Manager is authorized and directed to execute and deliver a quitclaim deed to said purchaser upon receipt of the indicated purchase price in money order, good certified or bank check, made payable to **THE CITY OF NEWBURGH**, such sums are to be paid on or before December 23, 2016, being ninety (90) days from the date of this resolution; and

<u>Property address</u>	<u>Section, Block, Lot</u>	<u>Purchaser</u>	<u>Purchase Price</u>
170 Renwick Street	45 – 14 – 15	Darrell Williams	\$18,000.00

**BE IT FURTHER RESOLVED**, by the Council of the City of Newburgh, New York, that the parcel is not required for public use.

## Terms and Conditions Sale

### 170 Renwick Street, City of Newburgh (45-14-15)

#### STANDARD TERMS:

1. City of Newburgh acquired title to this property in accordance with Article 11 of the Real Property Tax Law of the State of New York, and all known rights of redemption under said provisions of law have been extinguished by the tax sale proceedings and/or as a result of forfeiture.
2. For purposes of these Terms and Conditions, parcel shall be defined as a section, block and lot number.
3. All real property, including any buildings thereon, is sold "AS IS" and without any representation or warranty whatsoever as to the condition or title, and subject to: (a) any state of facts an accurate survey or personal inspection of the premises would disclose; (b) applicable zoning/land use/building regulations; (c) water and sewer assessments are the responsibility of the purchaser, whether they are received or not; (d) easements, covenants, conditions and rights-of-way of record existing at the time of the levy of the tax, the non-payment of which resulted in the tax sale in which City of Newburgh acquired title; and (e) for purposes of taxation, the purchaser shall be deemed to be the owner prior to the next applicable taxable status date after the date of sale.
4. The property is sold subject to unpaid school taxes for the tax year of 2016-2017, and also subject to all school taxes levied subsequent to the date of the City Council resolution authorizing the sale. The purchaser shall reimburse the City for any school taxes paid by the City for the tax year 2016-2017, and subsequent levies up to the date of the closing. Upon the closing, the property shall become subject to taxation. Water and sewer charges and sanitation fees will be paid by the City to the date of closing except that where the water meter reading nets a usage to the purchaser of less than 6 units for the quarterly bill, the purchaser shall be responsible for a minimum water and sewer bill of 6 units.
5. **WARNING: FAILURE TO COMPLY WITH THE TERMS OF THIS PARAGRAPH MAY RESULT IN YOUR LOSS OF THE PROPERTY AFTER PURCHASE.** The deed will contain provisions stating that the purchaser is required to rehabilitate any building on the property and bring it into compliance with all State, County and Local standards for occupancy within (18) months of the date of the deed. Within such eighteen (18) month time period the purchaser must either: obtain a Certificate of Occupancy for all buildings on the property; make all buildings granted a Certificate of Occupancy before the date of purchase fit for the use stated in such Certificate of Occupancy; or demolish such buildings. The deed shall require the purchaser to schedule an inspection by City officials at or before the end of the eighteen (18) month period. If the purchaser has not complied with the deed provisions regarding rehabilitation of the property and obtained a Certificate of Occupancy or Certificate of Compliance by that time, then the title to the property shall revert to the City of Newburgh. The deed shall also provide that the property shall not be conveyed to any other person before a Certificate of Occupancy or Certificate of Compliance is issued. A written request made to the City Manager for an extension of the eighteen (18) month rehabilitation period shall be accompanied by a non-refundable fee of \$250.00 per parcel for which a request is submitted. The City Manager may, in his sole discretion and for good cause shown, grant one extension of time to rehabilitate of up to, but not to exceed, three (3) months. Any additional request thereafter shall be made in writing and placed before the City Council for their consideration.
6. Notice is hereby given that the property lies within the East End Historic District as designated upon the zoning or tax map. This parcel is being sold subject to all provision of law applicable thereto and it is the sole responsibility of the purchaser to redevelop such parcel so designated in accordance with same.
7. Notice is hereby given that the property is occupied. This parcel is being sold subject to the City's Rental License Ordinance and all provisions of law applicable thereto. At closing, the purchaser will be required to register the property and remit the rental license fee. It is the sole responsibility of the purchaser to redevelop such parcel in accordance with same.

8. All purchasers are advised to personally inspect the premises and to examine title to the premises prior to the date upon which the sale is scheduled to take place. Upon delivery of the quitclaim deed by the City of Newburgh to the successful purchaser, any and all claims with respect to title to the premises are merged in the deed and do not survive.
9. No personal property is included in the sale of any of the parcels owned by City of Newburgh, unless the former owner or occupant has abandoned same. The disposition of any personal property located on any parcel sold shall be the sole responsibility of the successful purchaser following the closing of sale.
10. The City makes no representation, express or implied, as to the condition of any property, warranty of title, or as to the suitability of any for any particular use or occupancy. Property may contain paint or other similar surface coating material containing lead. Purchaser shall be responsible for the correction of such conditions when required by applicable law. Property also may contain other environmental hazards. Purchaser shall be responsible for ascertaining and investigating such conditions prior to bidding. Purchaser shall be responsible for investigating and ascertaining from the City Building Inspector's records the legal permitted use of any property prior to closing. Purchaser acknowledges receivership of the pamphlet entitled "Protecting Your Family from Lead in Your Home." Purchaser also acknowledges that he/she has had the opportunity to conduct a risk assessment or inspection of the premises for the presence of lead-based paint, lead-based paint hazards or mold.
11. The entire purchase price and all closing costs/fees must be paid by money order or guaranteed funds to the City of Newburgh Comptroller's Office on or before December 23, 2016. *The City of Newburgh does not accept credit card payments for the purchase price and closing costs/fees.* **The City is not required to send notice of acceptance or any other notice to a purchaser.** At closing, purchaser, as grantee, may take title as a natural person or as an entity wherein purchaser is an officer or managing member of said entity. The City Manager may, in his sole discretion and for good cause shown, grant one extension of time to close title of up to, but not to exceed, sixty (60) additional days. No request shall be entertained unless in writing, stating the reasons therefor, and unless accompanied by a fee of \$250.00 per parcel for which a request is submitted. The fee shall be in addition to all other fees and deposits and shall not be credited against the purchase price and shall not be returnable. Any additional request made thereafter shall be made in writing and placed before the City Council for their consideration.
12. In the event that a sale is cancelled by court order, judgment, the Comptroller or the Newburgh City Council, the successful bidder shall be entitled only to a refund of the purchase money paid with interest. Purchaser agrees that he shall not be entitled to special or consequential damages, attorney's fees, reimbursement for any expenses incurred as a result of ownership, improvements of property, or for taxes paid during period of ownership, and this agreement by the purchaser is a material condition of the sale.
13. Sale shall be final, absolute and without recourse once title has closed and the deed has been recorded. In no event, shall City of Newburgh be or become liable for any defects in title for any cause whatsoever, and no claim, demand or suit of any nature shall exist in favor of the purchaser, his heirs, successors or assigns, against City of Newburgh arising from this sale.
14. Conveyance shall be by quitclaim deed only, containing a description of the property as it appeared on the tax roll for the year upon which the City acquired title or as corrected up to date of deed. The deed will be recorded by the City upon payment in full of the purchase price, buyer's premium, and closing fees/costs. Possession of property is forbidden until the deed is recorded conveying title to the purchaser. **Title vests upon recording of deed.**
15. Upon closing, the City shall deliver a quitclaim deed conveying all of its right, title and interest in the subject property, which deed shall be drawn by the City Corporation Counsel. The City shall not convey its interest in any street, water, sewer or drainage easement, or any other interest the City may have in the property. The City shall only convey that interest obtained by the City pursuant to the judgment rendered in an *in rem* tax foreclosure action filed in the Orange County Clerk's Office.
16. The description of the property shall be from the City of Newburgh Tax Map reference or a survey description certified to the City of Newburgh and provided to the City Corporation Counsel by the purchaser at least ten (10) days in advance of closing title and approved by the City's Engineer.

17. Evictions, if necessary, are solely the responsibility of the successful bidder after closing and recording of the deed.
18. By acknowledging and executing these Terms & Conditions, the purchaser certifies that he/she is not representing the former owner(s) of the property against whom City of Newburgh foreclosed and has no intent to defraud City of Newburgh of the unpaid taxes, assessment, penalties and charges which have been levied against the property. The purchaser agrees that neither he/she nor his/her assigns shall convey the property to the former owner(s) against whom City of Newburgh foreclosed within 24 months subsequent to the auction date. If such conveyance occurs, the purchaser understands that he/she may be found to have committed fraud, and/or intent to defraud, and will be liable for any deficiency between the purchase price at auction and such sums as may be owed to City of Newburgh as related to the foreclosure on the property and consents to immediate judgment by City of Newburgh for said amounts.

RESOLUTION NO.: \_\_\_\_\_ - 2016

OF

SEPTEMBER 26, 2016

**A RESOLUTION TO AUTHORIZE THE CONVEYANCE OF REAL PROPERTY  
KNOWN AS 45 ROBINSON AVENUE (SECTION 28, BLOCK 2, LOT 7)  
AT PRIVATE SALE TO TELMA BARILLAS AND RAMON SOLIS  
FOR THE AMOUNT OF \$30,000.00**

**WHEREAS**, the City of Newburgh has acquired title to several parcels of real property by foreclosure *In Rem* pursuant of Article 11 Title 3 of the Real property Tax law of the State of New York; and

**WHEREAS**, pursuant to Section 1166 of the Real Property Tax Law the City may sell properties acquired by foreclosure *In Rem* at private sale; and

**WHEREAS**, the City of Newburgh desires to sell 45 Robinson Avenue being more accurately described as Section 28, Block 2, Lot 7 on the official tax map of the City of Newburgh; and

**WHEREAS**, the prospective buyer has offered to purchase this property at private sale; and

**WHEREAS**, this Council has determined that it would be in the best interests of the City of Newburgh to sell said property to the prospective buyer for the sum as outlined below, and upon the same terms and conditions annexed hereto and made a part hereof,

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York, that the sale of the following property to the indicated purchaser be and hereby is confirmed and the City Manager is authorized and directed to execute and deliver a quitclaim deed to said purchaser upon receipt of the indicated purchase price in money order, good certified or bank check, made payable to **THE CITY OF NEWBURGH**, such sums are to be paid on or before December 23, 2016, being ninety (90) days from the date of this resolution; and

<u>Property address</u>	<u>Section, Block, Lot</u>	<u>Purchaser</u>	<u>Purchase Price</u>
45 Robinson Avenue	28 – 2 – 7	Telma Barillas	
			\$30,000.00
		Ramon Solis	

**BE IT FURTHER RESOLVED**, by the Council of the City of Newburgh, New York, that the parcel is not required for public use.

## Terms and Conditions Sale

### 45 Robinson Avenue, City of Newburgh (28-2-7)

#### STANDARD TERMS:

1. City of Newburgh acquired title to this property in accordance with Article 11 of the Real Property Tax Law of the State of New York, and all known rights of redemption under said provisions of law have been extinguished by the tax sale proceedings and/or as a result of forfeiture.
2. For purposes of these Terms and Conditions, parcel shall be defined as a section, block and lot number.
3. All real property, including any buildings thereon, is sold "AS IS" and without any representation or warranty whatsoever as to the condition or title, and subject to: (a) any state of facts an accurate survey or personal inspection of the premises would disclose; (b) applicable zoning/land use/building regulations; (c) water and sewer assessments are the responsibility of the purchaser, whether they are received or not; (d) easements, covenants, conditions and rights-of-way of record existing at the time of the levy of the tax, the non-payment of which resulted in the tax sale in which City of Newburgh acquired title; and (e) for purposes of taxation, the purchaser shall be deemed to be the owner prior to the next applicable taxable status date after the date of sale.
4. The properties are sold subject to unpaid school taxes for the tax year of 2016-2017 and also subject to all school taxes levied subsequent to the date of the City Council resolution authorizing the sale. The purchaser shall reimburse the City for any school taxes paid by the City for the tax year 2016-2017, and subsequent levies up to the date of the closing. Upon the closing, the properties shall become subject to taxation. Water and sewer charges and sanitation fees will be paid by the City to the date of closing.
5. **WARNING: FAILURE TO COMPLY WITH THE TERMS OF THIS PARAGRAPH MAY RESULT IN YOUR LOSS OF THE PROPERTY AFTER PURCHASE.** The deed will contain provisions stating that the purchaser is required to rehabilitate any building on the property and bring it into compliance with all State, County and Local standards for occupancy within (18) months of the date of the deed. Within such eighteen (18) month time period the purchaser must either: obtain a Certificate of Occupancy for all buildings on the property; make all buildings granted a Certificate of Occupancy before the date of purchase fit for the use stated in such Certificate of Occupancy; or demolish such buildings. The deed shall require the purchaser to schedule an inspection by City officials at or before the end of the eighteen (18) month period. If the purchaser has not complied with the deed provisions regarding rehabilitation of the property and obtained a Certificate of Occupancy or Certificate of Compliance by that time, then the title to the property shall revert to the City of Newburgh. The deed shall also provide that the property shall not be conveyed to any other person before a Certificate of Occupancy or Certificate of Compliance is issued. A written request made to the City Manager for an extension of the eighteen (18) month rehabilitation period shall be accompanied by a non-refundable fee of \$250.00 per parcel for which a request is submitted. The City Manager may, in his sole discretion and for good cause shown, grant one extension of time to rehabilitate of up to, but not to exceed, three (3) months. Any additional request thereafter shall be made in writing and placed before the City Council for their consideration.
6. The property is sold subject to an owner-occupancy restriction. The purchaser has agreed to purchase the property subject to the five (5) year owner occupancy restriction shall, within 18 months of the delivery of the deed, establish his domicile and principal residence at said premises and maintain his domicile and principal residence at said premises for a period of at least five (5) years thereafter, provided that within said five (5) year period, the purchaser may convey said premises to another who shall also maintain their domicile and principal residence at said premises for said period. This shall be set forth as a restrictive covenant in the deed, subject upon its breach, to a right of re-entry in favor of the City of Newburgh. This shall be in addition to all other provisions, covenants and conditions set forth in the Terms of Sale.
7. Notice is hereby given that the properties are vacant and unoccupied. These parcels are being sold subject to the City's Vacant Property Ordinance and all provisions of law applicable thereto. At

closing, the purchaser will be required to register the properties and remit the vacant property fee. It is the sole responsibility of the purchaser to redevelop such parcel in accordance with same.

8. All purchasers are advised to personally inspect the premises and to examine title to the premises prior to the date upon which the sale is scheduled to take place. Upon delivery of the quitclaim deed by the City of Newburgh to the successful purchaser, any and all claims with respect to title to the premises are merged in the deed and do not survive.
9. No personal property is included in the sale of any of the parcels owned by City of Newburgh, unless the former owner or occupant has abandoned same. The disposition of any personal property located on any parcel sold shall be the sole responsibility of the successful purchaser following the closing of sale.
10. The City makes no representation, express or implied, as to the condition of any property, warranty of title, or as to the suitability of any for any particular use or occupancy. Property may contain paint or other similar surface coating material containing lead. Purchaser shall be responsible for the correction of such conditions when required by applicable law. Property also may contain other environmental hazards. Purchaser shall be responsible for ascertaining and investigating such conditions prior to bidding. Purchaser shall be responsible for investigating and ascertaining from the City Building Inspector's records the legal permitted use of any property prior to closing. Purchaser acknowledges receivership of the pamphlet entitled "Protecting Your Family from Lead in Your Home." Purchaser also acknowledges that he/she has had the opportunity to conduct a risk assessment or inspection of the premises for the presence of lead-based paint, lead-based paint hazards or mold.
11. The entire purchase price and all closing costs/fees must be paid by money order or guaranteed funds to the City of Newburgh Comptroller's Office on or before December 23, 2016. *The City of Newburgh does not accept credit card payments for the purchase price and closing costs/fees.* **The City is not required to send notice of acceptance or any other notice to a purchaser.** At closing, purchaser, as grantee, may take title as a natural person or as an entity wherein purchaser is an officer or managing member of said entity. The City Manager may, in his sole discretion and for good cause shown, grant one extension of time to close title of up to, but not to exceed, sixty (60) additional days. No request shall be entertained unless in writing, stating the reasons therefor, and unless accompanied by a fee of \$250.00 per parcel for which a request is submitted. The fee shall be in addition to all other fees and deposits and shall not be credited against the purchase price and shall not be returnable. Any additional request made thereafter shall be made in writing and placed before the City Council for their consideration.
12. In the event that a sale is cancelled by court order, judgment, the Comptroller or the Newburgh City Council, the successful bidder shall be entitled only to a refund of the purchase money paid with interest. Purchaser agrees that he shall not be entitled to special or consequential damages, attorney's fees, reimbursement for any expenses incurred as a result of ownership, improvements of property, or for taxes paid during period of ownership, and this agreement by the purchaser is a material condition of the sale.
13. Sale shall be final, absolute and without recourse once title has closed and the deed has been recorded. In no event, shall City of Newburgh be or become liable for any defects in title for any cause whatsoever, and no claim, demand or suit of any nature shall exist in favor of the purchaser, his heirs, successors or assigns, against City of Newburgh arising from this sale.
14. Conveyance shall be by quitclaim deed only, containing a description of the property as it appeared on the tax roll for the year upon which the City acquired title or as corrected up to date of deed. The deed will be recorded by the City upon payment in full of the purchase price, buyer's premium, and closing fees/costs. Possession of property is forbidden until the deed is recorded conveying title to the purchaser. **Title vests upon recording of deed.**
15. Upon closing, the City shall deliver a quitclaim deed conveying all of its right, title and interest in the subject property, which deed shall be drawn by the City Corporation Counsel. The City shall not convey its interest in any street, water, sewer or drainage easement, or any other interest the City may have in the property. The City shall only convey that interest obtained by the City pursuant to the judgment rendered in an *in rem* tax foreclosure action filed in the Orange County Clerk's Office.



16. The description of the property shall be from the City of Newburgh Tax Map reference or a survey description certified to the City of Newburgh and provided to the City Corporation Counsel by the purchaser at least ten (10) days in advance of closing title and approved by the City's Engineer.
17. Evictions, if necessary, are solely the responsibility of the successful bidder after closing and recording of the deed.
18. By acknowledging and executing these Terms & Conditions, the purchaser certifies that he/she is not representing the former owner(s) of the property against whom City of Newburgh foreclosed and has no intent to defraud City of Newburgh of the unpaid taxes, assessment, penalties and charges which have been levied against the property. The purchaser agrees that neither he/she nor his/her assigns shall convey the property to the former owner(s) against whom City of Newburgh foreclosed within 24 months subsequent to the auction date. If such conveyance occurs, the purchaser understands that he/she may be found to have committed fraud, and/or intent to defraud, and will be liable for any deficiency between the purchase price at auction and such sums as may be owed to City of Newburgh as related to the foreclosure on the property and consents to immediate judgment by City of Newburgh for said amounts.

RESOLUTION NO.: \_\_\_\_\_ - 2016

OF

SEPTEMBER 26, 2016

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO APPLY FOR AND  
ACCEPT FUNDING FROM THE FBI SAFE STREETS TASK FORCE  
FOR STREET CAMERA SURVEILLANCE EQUIPMENT UPGRADES  
IN THE AMOUNT OF \$7,500.00**

**WHEREAS**, the City of Newburgh Police Department and the FBI Safe Streets Task Force conduct joint investigations; and

**WHEREAS**, the FBI Safe Streets Task Force has offered the City of Newburgh \$7,500.00 with no City match required to be used toward the cost of street camera surveillance upgrades; and

**WHEREAS**, this Council finds accepting funds from the FBI Safe Streets Task Force to be allocated for street camera surveillance upgrades is in the best interests of the City of Newburgh;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York that the City Manager be and he is hereby authorized to accept funding from the FBI Safe Streets Task Force in the amount of \$7,500.00 to be used for street camera surveillance upgrades; and

**BE IT FURTHER RESOLVED**, by the City Council of the City of Newburgh that the City Manager is authorized to execute all such contracts and documentation and take such further actions as may be appropriate and necessary to accept such grant funding and administer the program funded thereby.

RESOLUTION NO.:\_\_\_\_\_ - 2016

OF

SEPTEMBER 26, 2016

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO ACCEPT A  
NEW YORK STATE DIVISION OF CRIMINAL JUSTICE SERVICES  
GRANT AWARD WITH NO CITY MATCH TO FUND THE COST OF  
A TRAINING PROGRAM WITH THE ALBANY POLICE DEPARTMENT**

**WHEREAS**, the City of Newburgh received a Grant Award under the New York State Division of Criminal Justice Services; and

**WHEREAS**, the City of Newburgh Police Department will use the funding to cover the cost of sending up to 7 City of Newburgh Police Officers to a joint training with the Albany Police Department entitled “Policing the Teenage Brain”; and

**WHEREAS**, no City matching funds are required and this Council has determined that accepting such funding is in the best interests of the City of Newburgh and its youth;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York that the City Manager be and he hereby is authorized to accept a New York State Division of Criminal Justice Services grant award to fund the full cost of sending 7 City of Newburgh Police Officers to a joint training with the Albany Police Department entitled “Policing the Teenage Brain” with no City match required; and

**BE IT FURTHER RESOLVED**, by the City Council of the City of Newburgh that the City Manager is authorized to execute all such contracts and documentation and take such further actions as may be appropriate and necessary to accept such grant funding and administer the program funded thereby.

**RESOLUTION NO.: \_\_\_\_\_ - 2016**

**OF**

**SEPTEMBER 26, 2016**

**A RESOLUTION REJECTING ALL BIDS RECEIVED  
IN CONNECTION WITH THE CONSTRUCTION OF A SKATEBOARD PARK TO  
BE LOCATED IN THE DELANO-HITCH RECREATION PARK**

**WHEREAS**, the City of Newburgh duly re-advertised for bids in connection with the construction of a Skateboard Park located in the Delano-Hitch Recreation Park; and

**WHEREAS**, two (2) bids were received and opened; and

**WHEREAS**, upon review of the bids it has been determined that the cost of the Skateboard Park will consume the entirety of the funds available in the CDBG grant and an urgent need for funds to support improvement of street lighting and installation of surveillance cameras to deter the increase in homicides in the City is recognized and the monies are to be substantially re-budgeted; and

**WHEREAS**, this Council has determined that rejecting all bids for the Project is in the best interests of the City of Newburgh;

**NOW, THEREFORE, BE IT RESOLVED**, by the Council of the City of Newburgh, New York that all bids received in connection with the construction of a Skateboard Park to be located within the Delano-Hitch Recreation Park be and are hereby rejected.

City of Newburgh, NY  
Tuesday, September 13, 2016

## Chapter C. Charter

### Article IX. Department of Public Works

#### § C9.31. Organization and duties of Division of Sanitation.

[Added 7-8-1991 by L.L. No. 3-1991]

The Division of Sanitation shall be responsible for the collection and disposal of garbage, trash, refuse and recyclables throughout the City, the sweeping of streets and the enforcement of all ordinances and regulations relating to the collection, carting and disposal of garbage, trash, refuse and recyclables.<sup>[1]</sup> The Division of Streets and Bridges shall be responsible for the maintenance and repair of all streets and other public property within the City. Each division shall have all other duties as are currently assigned or may be in the future assigned to it by the City Manager.

[1] *Editor's Note: See Ch. 183, Waste Management, Handling and Disposal.*

#### § C9.32. Definitions.

[Added 7-8-1991 by L.L. No. 3-1991]

As used herein, the following terms shall have the meanings indicated:

##### **COMMERCIAL PROPERTY**

Any commercial building or portion thereof containing 5,000 square feet or more, devoted in whole or in part to nonresidential purposes. This term shall include, but not be limited to, clubs, retail stores, offices, restaurants, banks, recreational facilities and enterprises involving the sale of goods or services at retail to the general public conducted for profit or not-for-profit, but not including industrial properties.

##### **DWELLING UNIT**

One or more rooms with provisions for living, sanitary and sleeping facilities arranged for the use of one family.

##### **INDUSTRIAL PROPERTY**

Any premises or portion thereof devoted to the manufacture, compounding, processing or treatment of goods or to the storage and shipping of goods which do not involve the sale of goods or services at retail to the general public.

##### **OWNER**

The person or entity to whom a piece of real property is assessed on the current assessment roll of the City.

##### **RESIDENTIAL PROPERTY**

A building or structure containing one or more dwelling units which are intended to serve as permanent places of abode and not transient or emergency accommodations. The term

"residential property" shall not include hotels, motels, boarding or rooming houses, hospitals, clubs, schools or dormitories.

#### **SMALL COMMERCIAL PROPERTY**

Any commercial building or portion thereof containing 5,000 square feet or less, devoted in whole or in part to nonresidential purposes. This term shall include, but not be limited to, clubs, retail stores, offices, restaurants, banks, recreational facilities and enterprises involving the sale of goods or services at retail to the general public conducted for profit or not-for-profit, but not including industrial properties.

### **§ C9.33. User fees to be charged for garbage collection.**

[Added 7-8-1991 by L.L. No. 3-1991]

- A. Small commercial properties. The owner of each small commercial property within the City of Newburgh where commercial wastes are removed by the City shall be charged for the removal of commercial wastes generated by such properties at a rate of one stop fee plus two dwelling unit fees per month.
- B. Residential properties. The owner of each property within the City of Newburgh in the residential classification where wastes are removed by the City shall be charged per month for the removal of such waste at the rate of one stop fee plus one dwelling unit fee for each dwelling unit in the residential building. The number of dwelling units to be charged fees with regard to any property shall be determined by the number of dwelling units indicated on the certificate of occupancy for said property. A property containing rooming and boarding units shall be charged one dwelling unit fee for each rooming or boarding unit as indicated upon such property's certificate of occupancy.

[Amended 10-12-1999 by L.L. No. 3-1999]

- C. Commercial properties. The owner of each commercial property within the City of Newburgh where wastes are removed by the City shall be charged for the removal of such wastes at the rate of one stop fee plus four dwelling unit fees for each month.
- D. Fees defined and set.

[Amended 12-13-1999 by L.L. No. 4-1999<sup>[1]</sup>; 6-14-2010 by L.L. No. 7-2010]

- (1) Stop fee. A stop fee is the fee for the garbage truck making a stop in front of a property. The stop fee shall be computed as set forth in Chapter 163, Fees, of this Code.
- (2) Dwelling unit fee. A dwelling unit fee is the fee charged for collection of garbage from one dwelling unit for a period of one month. The dwelling unit fee shall be computed as set forth in Chapter 163, Fees, of this Code.
- (3) The Council shall adjust the above rates from time to time so that the amount charged shall be sufficient to fund the operating costs of garbage collection services together with an appropriate proportional share of such capital improvements, principal and interest payments on bonds that may be issued to finance such garbage collection operations, and such other related expenses as the Council may deem necessary to fund collection operations, all under the Sanitation Fund.

[1] *Editor's Note: This local law provided that it would take effect 1-1-2000.*

- E. Bills for sanitation user fees. Bills for sanitation user fees shall be prepared and sent to each owner on a quarter-annual basis, starting on August 1, 1991, in the same manner as water and sewer charges are now billed and distributed, except that sanitation user fees shall be billed and paid

during the first month of the calendar quarter in which sanitation removal services are performed, in the months of January, April, July and October. Bills for user fees shall be payable within the same time limits as may be prescribed in the Charter for the payment of water bills.

[Amended 6-14-2010 by L.L. No. 7-2010]

### **§ C9.34. Overdue and unpaid sanitation user fees to become liens; collection; interest and penalties; enforcement.**

[Added 7-8-1991 by L.L. No. 3-1991; amended 10-28-1991 by L.L. No. 5-1991]

- A. The amounts charged as sanitation user fees shall become liens against the real property to which they relate at the time rendered and in the same manner as water rents become liens and shall be collectible against such real property as provided by law.
- B. Overdue and unpaid sanitation user fees shall be subject to the same interest, penalties and fees as provided for the collection of water rents and, in all respects, like proceedings shall be had by the City Collector as are or may be provided by law for the collection of water rents if they remain unpaid. The City Collector shall report to the Council all user fees imposed after January 1, 1993, with the interest and penalties thereon, which remain unpaid as of 30 days prior to the last date prescribed by law for the annexation of tax warrant to the assessment roll, together with a brief description of the property for which said sanitation services were provided and the name and address of the person or corporation liable to pay such amount. The Council shall then, no later than its regular meeting on the fourth Monday in November of each year, levy all amounts remaining unpaid on the date taxes are levied against the real property for which or in connection with which such sanitation service was provided.  
[Amended 10-26-1992 by L.L. No. 4-1992]
- C. The amount so charged as a sanitation user fee and all interest, fees and penalties thereon shall be a lien on the real property on which the charges accrued and shall be collected and enforced as provided by law.
- D. In case the City Collector shall return any sanitation user fees uncollected, the City Manager may cut off sanitation service to the property charged until such sanitation user fees and all interest, penalties and fees are fully paid.

### **§ C9.35. Application for reduction or elimination of service charge.**

[Added 7-8-1991 by L.L. No. 3-1991]

- A. Any person applying to the Superintendent for a reduction or elimination in the service charge imposed on his property by § C9.33 of the City Charter shall do so on an application form to be provided by the Superintendent, which form shall be signed and notarized by the property owner. Upon receipt of such a request, the Superintendent shall investigate the facts of the application and offer the applicant an informal hearing as to why the application should be granted and shall make a written determination granting or denying the application. The Superintendent's determination shall be final.
- B. The only grounds for reduction or elimination of such service charge are as follows:  
[Amended 1-25-1993 by L.L. No. 1-1993; 10-12-1999 by L.L. No. 3-1999]
  - (1) That a mistake was made on the part of the City in classifying the property.

- (2) A senior citizen tax exemption shall have been granted pursuant to Chapter **270**, Article **II**, of the Code of Ordinances in regard to the property, in which case a percentage reduction in the service charge shall be granted equal to the percentage exemption of assessed valuation granted by said article for the same property.
- C. Residential property with an adjoining vacant lot, owned by the same entity, shall be charged only one stop fee per month, including both parcels. The property owner must request this exemption or the billing shall reflect a separate stop fee.
- D. Reductions in the amount of the user charge applying to any particular property shall be for the current billing period only. Applications for reduction must be made for each and every quarter that the unit remains unoccupied. Applications shall only be accepted for a period of 20 days after the billing date indicated on the sanitation bill. Incomplete applications will not be considered.  
[Amended 6-13-1994 by L.L. No. 4-1994]

### **§ C9.36. Duties of property owner to report changes in occupancy.**

[Added 7-8-1991 by L.L. No. 3-1991]

Any person being the owner of residential property within the City shall have an affirmative duty to report to the Division of Sanitation, on a form to be provided by the Superintendent, by change in occupancy of that property which would have the effect of increasing the sanitation service charge. Such increases in the amount of the user charge shall become effective immediately, and any portion of a month shall constitute a full month.

### **§ C9.37. Penalties for offenses.**

[Added 7-8-1991 by L.L. No. 3-1991]

Any person making a false statement on any application made pursuant to this article, on any report made, or any violation of this article shall be guilty of a violation and, upon conviction, shall be subject to a fine not to exceed \$250 or imprisonment not to exceed 15 days, or both such fine and imprisonment.



## **Chapter 163. Fees**

[HISTORY: Adopted by the City Council of the City of Newburgh 6-14-2010 by Ord. No. 9-2010. Amendments noted where applicable.]

### **§ 163-1. Schedule of Code fees.**

Notwithstanding any other provision in this Code, the following schedule of fees is hereby established with respect to licenses, permits, registrations, applications, subscriptions and activities required or regulated under the provisions of the Code of the City of Newburgh. Specific requirements and regulations shall be as set forth in the chapter to which reference is made below. The following schedule of fees shall remain in effect until rescinded or amended.

<b>Code Section</b>	<b>Type of Fee</b>	<b>Amount</b>
<b>Charter</b>		
[Last amended 11-26-2012 by Ord. No. 7-2012]		
§ C9.33	Sanitation stop fee	\$2.75 per stop per tax lot, whether or not a building is erected thereon
	Dwelling unit fee	\$16.50 per month per dwelling unit