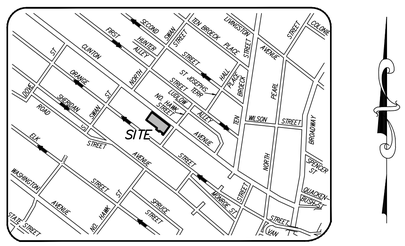


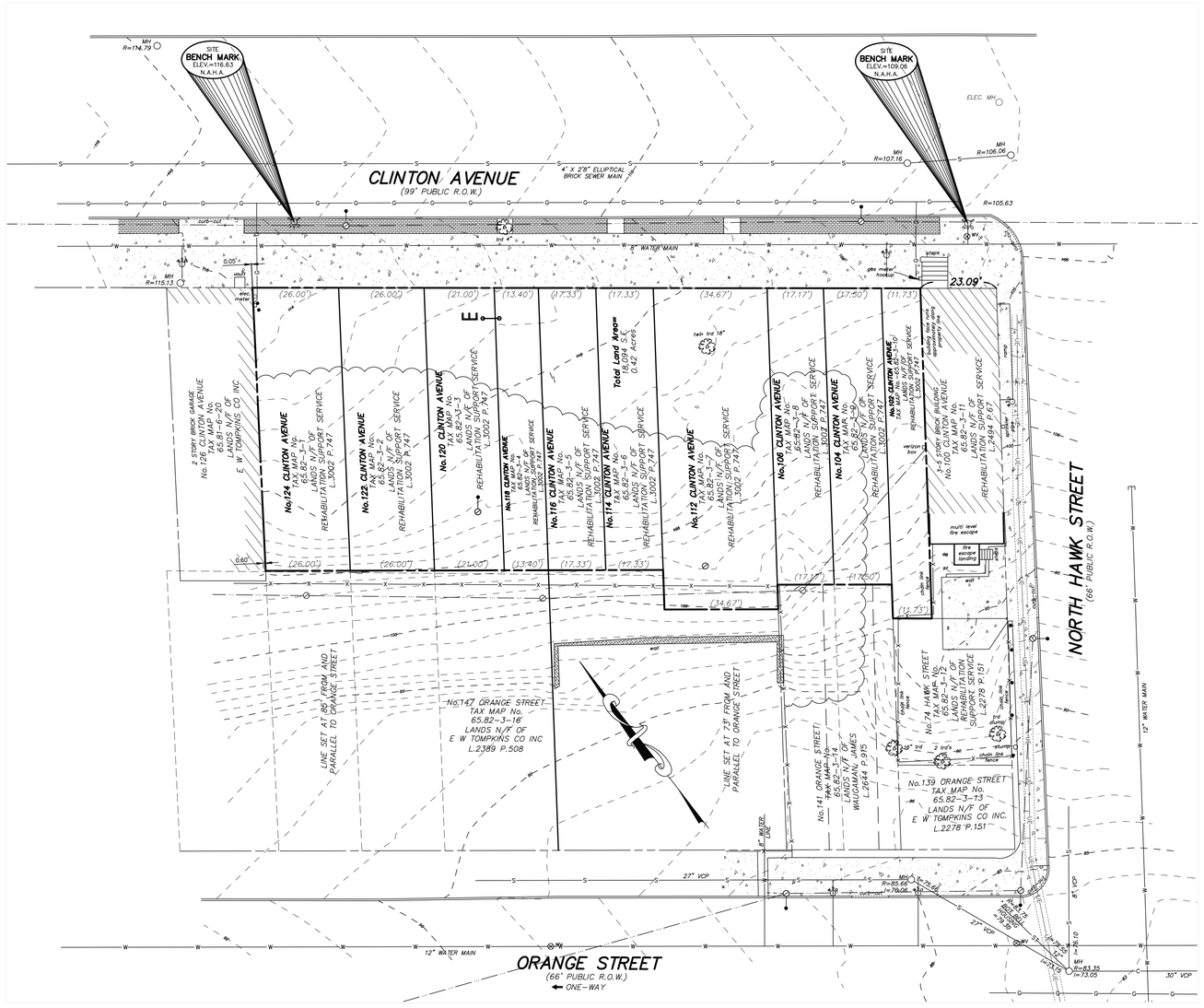
VICINITY MAP

MAP NOT TO SCALE

LEGEND

R.O.W.	RIGHT OF WAY
No.	NUMBER
enc.	ENCROACHMENT
P.O.B.	POINT OF BEGINNING
S.F.	SQUARE FEET
N/F	NOW OR FORMERLY
(13.40')	RECORD
202.64'	MEASURED
N	NORTH
S	SOUTH
E	EAST
W	WEST
elec.	ELECTRIC
L.	LIBER
P.	PAGE
ST	STORM LINE
S	SEWER LINE
W	WATER LINE
G	GAS LINE
UE	UNDERGROUND ELECTRIC
T	UNDERGROUND TELEPHONE

	IRON ROD
MH	MANHOLE
	CATCHBASIN
	SIGN
	BOLLARD
x	FENCE LINE
	OVERHEAD WIRE, UTILITY POLE & GUY WIRE
	TRAFFIC FLOW ACCESS AREA
WV	WATER SHUT OFF
WV	WATER VALVE
	HYDRANT
GV	GAS VALVE
	STREET LIGHT
	CONCRETE
	PAVEMENT
N.A.H.A.	NUT AT HEAD ARROW



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

DRAWING SCHEDULE

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

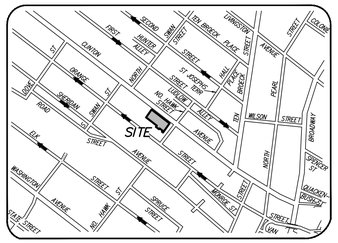
STATE OF NEW YORK DANIEL R. HERSHBERG LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR 044226

REVISIONS	DATE
GENERAL REVISIONS	4/25/18
AMD. COMMENT LETTER	5/18/18

EXISTING CONDITIONS
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180062 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 3/29/18 | 180062-1.DWG

C1



VICINITY MAP

MAP NOT TO SCALE

GRAPHIC SCALE

0 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

CITY OF ALBANY NOTES

SITE REQUIREMENTS:

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING:

THE REMOVAL AND REPLACING OF ALL EXISTING SIDEWALKS, CURBS, STREET PAVEMENT, TREES, BRICK PAVERS, AND SHRUBBERY DAMAGED DURING THE COURSE OF THIS PROJECT AND WITHIN THE FULL LIMITATIONS OF THE PROJECT.

IT WILL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL METHODS AVAILABLE HAVE BEEN TAKEN TO PROTECT ALL THE AFOREMENTIONED ENTITIES BEFORE CONSTRUCTION WORK BEGINS.

IF AT ANY TIME DURING SAID CONSTRUCTION, THE CITY ENGINEER OR HIS REPRESENTATIVE DEEM THAT ANY AND/OR ALL PORTIONS OF SIDEWALK, CURB PAVEMENT AND/OR ANY OTHER APPURTENANCES HAVE BEEN DAMAGED BY EITHER THE GENERAL CONTRACTOR OR ANY OF HIS SUB-CONTRACTORS, IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE ALL REPAIRS AND/OR CORRECTIONS TO SAID AREAS WITHOUT ANY COST TO THE CITY OF ALBANY.

PERMIT REQUIREMENTS:

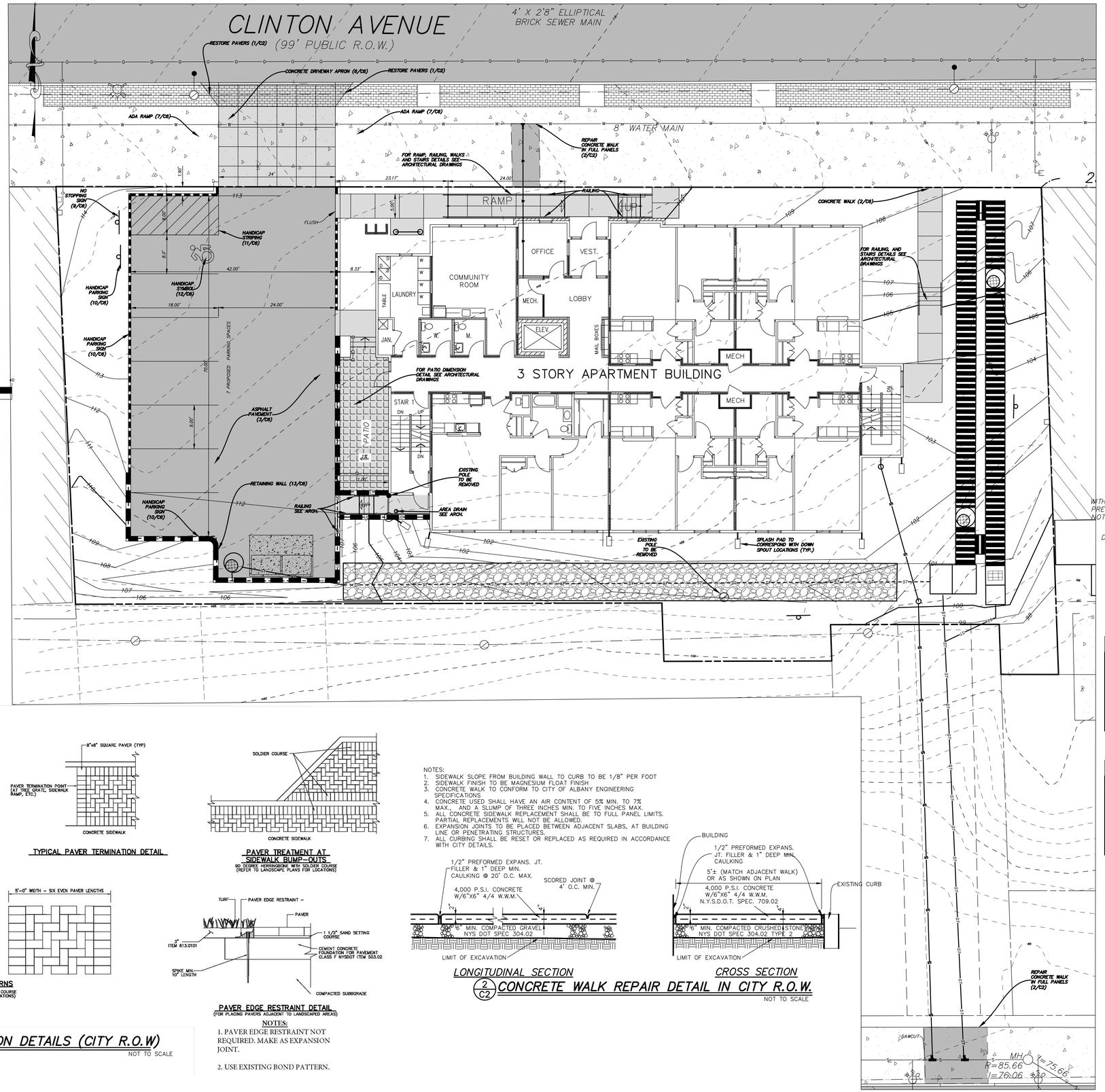
THE GENERAL CONTRACTOR, PRIOR TO BEGINNING ANY WORK ON SAID PROJECT, WILL PROCURE THE FOLLOWING PERMITS WHERE APPLICABLE:

*ENGINEERING DEPARTMENT
*GRADING AND MINING
*SANITARY/STORM SEWER
*RETAINING WALL
*WATER DEPARTMENT
*DEPARTMENT OF GENERAL SERVICES
*CURB CUT APPLICATION
*SIDEWALK/CURB RESTORATION
*STREET RESTORATION
*WATER SERVICE

THE CONTRACTOR WILL PROCURE BEFORE BEGINNING OF CONSTRUCTION ALL REQUIRED PERMITS LIABILITY INSURANCE FOR $1,000,000.00 AND A PERFORMANCE BOND AS ASSESSED BY CITY ENGINEER. BOND AND LIABILITY INSURANCE TO BE SUBMITTED TO THE ENGINEERING DEPARTMENT BEFORE THE GENERAL CONTRACTOR INTENDS TO BEGIN ANY SITE EXCAVATION.

THE CONTRACTOR WILL NOTIFY THE ENGINEERING DEPARTMENT FORTY-EIGHT (48) HOURS PRIOR TO PERFORMING ALL UTILITY OR SITE RESTORATION WORK. FAILURE TO NOTIFY THE ENGINEERING DEPARTMENT BEFORE BEGINNING WORK COULD RESULT IN A ONE HUNDRED DOLLAR ($100.00) FINE FOR EACH DAY THE OFFENSE OCCURS.

THE CONTRACTOR WILL NOTIFY THE DEPARTMENT OF WATER AND WATER SUPPLY FORTY-EIGHT (48) HOURS PRIOR TO SCHEDULE AN INSPECTION FOR WATER, SANITARY AND STORM UTILITY WORK.



PROPOSED

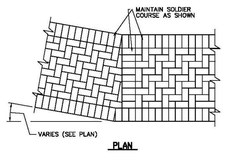
- EXISTING WATER VALVE (WV)
- EXISTING POLE WITH LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING WATER MAIN (W)
- EXISTING HYDRANT
- EXISTING SANITARY SEWER MAIN (S)
- EXISTING STORM SEWER MAIN (ST)
- EXISTING CATCH BASIN (CB OR ⊕CB)
- EXISTING MANHOLE (MH)
- WATER SHUT OFF
- FENCE LINE (X)
- EXISTING PAVEMENT
- EXISTING CONTOURS (199 / 200)
- PROPOSED CONTOURS (201 / 200)
- PROPOSED WATER MAIN (W)
- PROPOSED HYDRANT
- PROPOSED SEWER MAIN (S)
- PROPOSED STORM SEWER (ST)
- PROPOSED CATCH BASIN OR MANHOLE
- PROPOSED SIDEWALK AND HANDICAPPED RAMP
- DETECTABLE SURFACE
- PAVEMENT MARKINGS: HANDICAPPED PARKING, STOP BAR, PROPOSED PAVEMENT, TRAFFIC FLOW MARKING
- LIMIT OF CLEARING
- EXIST. TREE LINE
- PROPOSED CURB
- PROPOSED LIGHT POLE
- RETAINING WALL WITH GUIDE RAIL OR FALL PREVENTION FENCE AS NOTED ON THE DRAWING
- DETECTABLE SURFACE
- ADA RAMP
- 1/C8 DETAIL/SHEET NUMBER
- SPLASH PAD

EXISTING SITE COVERAGE STATISTICS

description	s.f.	acres	%
Total Area	18,094	0.42	100.0
Sub-Total Impervious Area	0	0	?
Building Area	0	0	?
Paved Area	0	0	?
Green Area	18,094	0.42	100.0

PROPOSED SITE COVERAGE STATISTICS

description	s.f.	acres	%
Total Area	18,094	0.42	100.0
Sub-Total Impervious Area	10,541	0.24	58.4
Building Area	6,358	0.14	35.2
Paved Area	4,183	0.10	23.2
Green Area	7,553	0.18	41.6



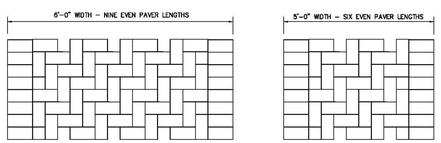
TYPICAL PAVER CORNER DETAIL

NOTES:
1. THIS DETAIL IS TYPICALLY APPLIED AT ANGLE POINTS IN THE CURB LINE (SUCH AS AT BUS TURN-OUTS). THE PURPOSE IS TO MAINTAIN THE HERRINGBONE PATTERN AT 90 DEGREES WITH RESPECT TO THE SOLDIER COURSE TO MINIMIZE FIELD CUTS TO THE PAVERS.

TYPICAL PAVER TERMINATION DETAIL

PAVER TREATMENT AT SIDEWALK BUMP-OUTS

90 DEGREE HERRINGBONE WITH SOLDIER COURSE (REFER TO LANDSCAPE PLANS FOR LOCATIONS)



TYPICAL PAVER PATTERNS

90 DEGREE HERRINGBONE WITH SOLDIER COURSE (REFER TO LANDSCAPE PLANS FOR LOCATIONS)

PAVER EDGE RESTRAINT DETAIL

(FOR PLACING PAVERS ADJACENT TO LANDSCAPED AREAS)

NOTES:
1. PAVER EDGE RESTRAINT NOT REQUIRED. MAKE AS EXPANSION JOINT.
2. USE EXISTING BOND PATTERN.

(1/C2) PAVER RESTORATION DETAILS (CITY R.O.W)

NOT TO SCALE

NOTES:
1. SIDEWALK SLOPE FROM BUILDING WALL TO CURB TO BE 1/8" PER FOOT
2. SIDEWALK FINISH TO BE MAGNESIUM FLOAT FINISH
3. CONCRETE WALK TO CONFORM TO CITY OF ALBANY ENGINEERING SPECIFICATIONS
4. CONCRETE USED SHALL HAVE AN AIR CONTENT OF 5% MIN. TO 7% MAX., AND A SLUMP OF THREE INCHES MIN. TO FIVE INCHES MAX.
5. ALL CONCRETE SIDEWALK REPLACEMENT SHALL BE TO FULL PANEL LIMITS. PARTIAL REPLACEMENTS WILL NOT BE ALLOWED.
6. EXPANSION JOINTS TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING LINE OR PENETRATING STRUCTURES.
7. ALL CURBING SHALL BE RESET OR REPLACED AS REQUIRED IN ACCORDANCE WITH CITY DETAILS.

LONGITUDINAL SECTION — CROSS SECTION

(2/C2) CONCRETE WALK REPAIR DETAIL IN CITY R.O.W.

NOT TO SCALE

HERSHBERG & HERSHBERG
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STATE OF NEW YORK — DANIEL R. HERSHBERG — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR — 044226

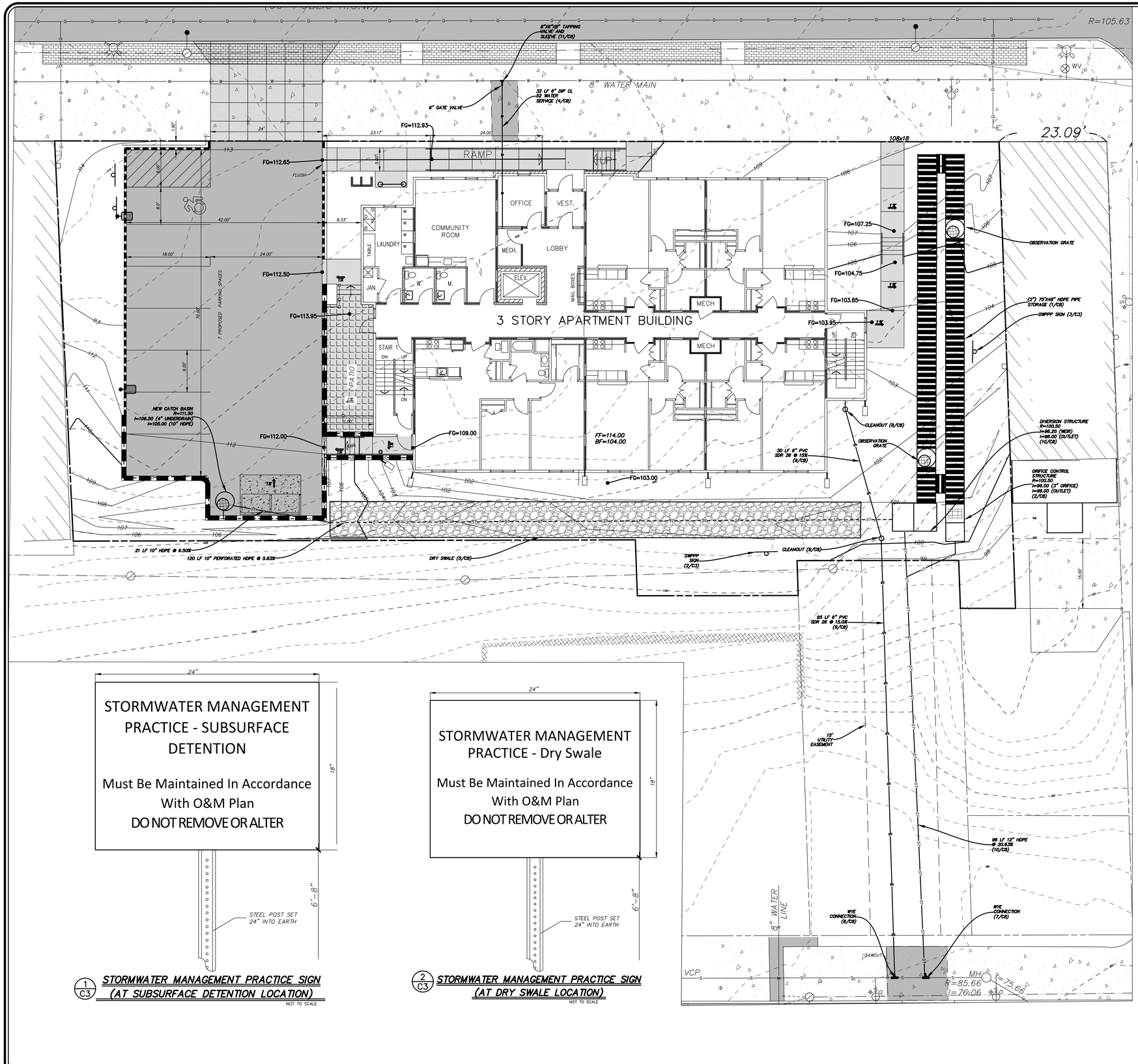
REMARKS	DATE
GENERAL REVISIONS	4/25/18
AND COMMENT LETTER	5/18/18

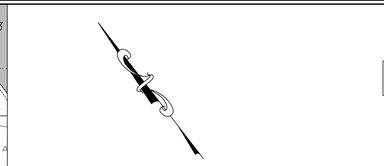
REVISIONS

PROPOSED SITE PLAN
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180362 | SCALE: AS SHOWN | CHK: DRH | DATE: 3/28/18 | 180362-1.DWG

C2





PROPOSED

- WV — EXISTING WATER VALVE
- EXISTING POLE WITH LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING SIGN
- W — EXISTING WATER MAIN
- EXISTING HYDRANT
- S — EXISTING SANITARY SEWER MAIN
- ST — EXISTING STORM SEWER MAIN
- CB OR CB — EXISTING CATCH BASIN
- MH — EXISTING MANHOLE
- WATER SHUT OFF
- X — FENCE LINE
- EXISTING PAVEMENT
- 199 / 200 — EXISTING CONTOURS
- 201 / 200 — PROPOSED CONTOURS
- W — PROPOSED WATER MAIN
- PROPOSED HYDRANT
- S — PROPOSED SEWER MAIN
- ST — PROPOSED STORM SEWER
- OR — PROPOSED CATCH BASIN / PROPOSED MANHOLE
- PROPOSED SIDEWALK AND HANDICAPPED RAMP — DETECTABLE SURFACE
- PAVEMENT MARKINGS: HANDICAPPED PARKING; STOP BAR; PROPOSED PAVEMENT; TRAFFIC FLOW MARKING
- LIMIT OF CLEARING
- EXIST. TREE LINE
- PROPOSED CURB
- PROPOSED LIGHT POLE
- RETAINING WALL — WITH GUIDE RAIL OR FALL PREVENTION FENCE AS NOTED ON THE DRAWING
- ADA RAMP — DETECTABLE SURFACE
- 1/C5 — DETAIL/SHEET NUMBER
- SPLASH PAD

NOTES

1. 48 HOURS NOTICE MUST BE GIVEN TO DEPARTMENT OF WATER FOR INSPECTIONS FOR THE SANITARY, WATER AND STORMWATER UTILITIES.

2. PRESSURE AND LEAKAGE TESTING OF THE WATER MAIN SHALL BE WITNESSED BY DEPARTMENT STAFF AND ACCEPTABLE BACTERIOLOGICAL TEST MUST BE SUBMITTED AND ACCEPTED BY THE DEPARTMENT PRIOR TO FINAL OF THE NEW WATER MAIN.

3. PRIOR TO USE ALL WATER LINES MUST BE CHLORINATED AND HAVE A BACTERIOLOGICAL TEST PERFORMED IN ACCORDANCE WITH CITY OF ALBANY WATER DEPARTMENT AND AWWA STANDARDS.

1/C3 **STORMWATER MANAGEMENT PRACTICE SIGN (AT SUBSURFACE DETENTION LOCATION)**
NOT TO SCALE

2/C3 **STORMWATER MANAGEMENT PRACTICE SIGN (AT DRY SWALE LOCATION)**
NOT TO SCALE

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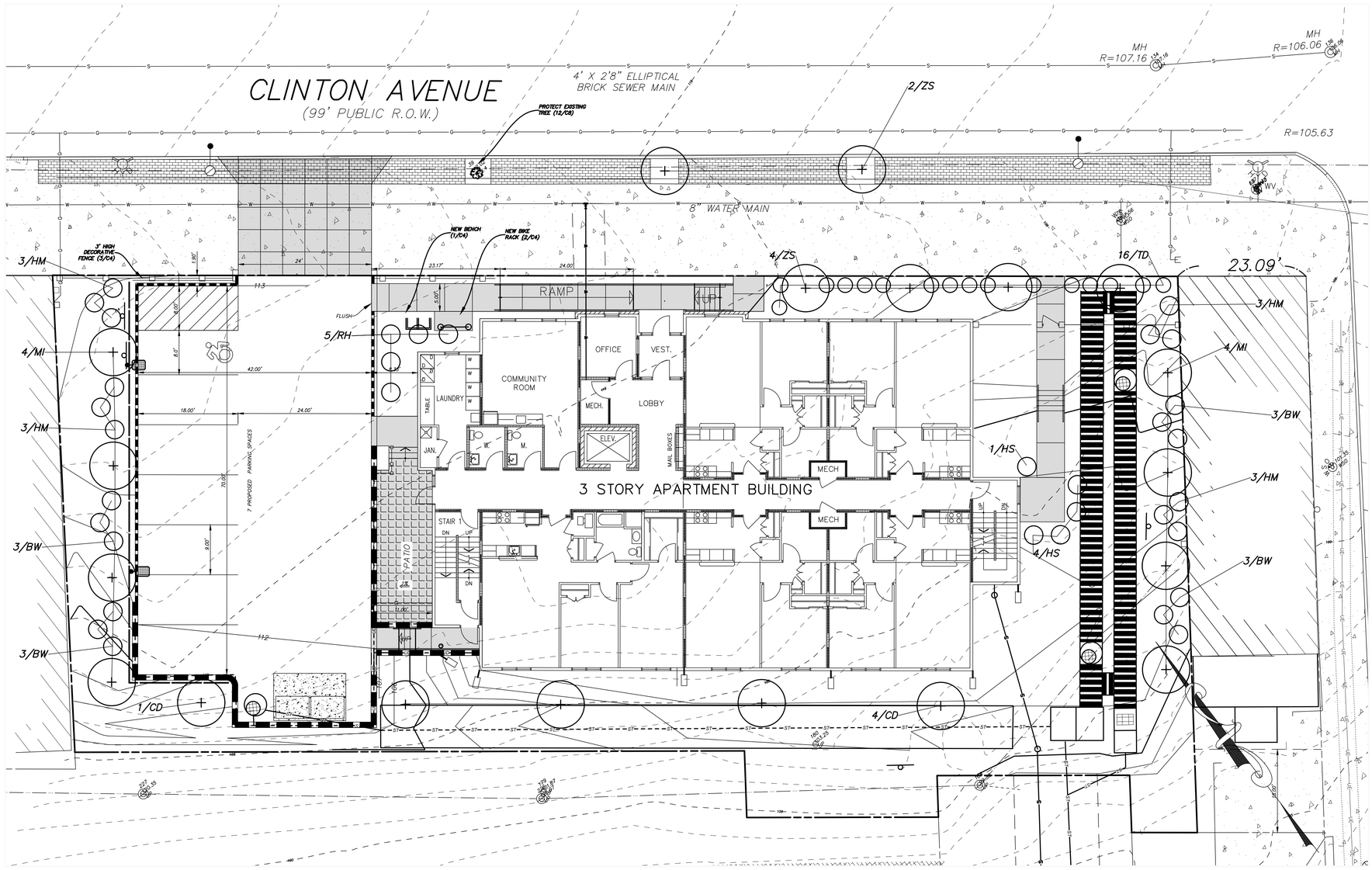
STATE OF NEW YORK — DANIEL R. HERSHBERG — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR — 044226

REVISIONS	DATE
GENERAL REVISIONS	4/25/18
AMD COMMENT LETTER	5/18/18

UTILITY PLAN
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180062 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 3/29/18 | 180062-1.DWG

C3



GRAPHIC SCALE

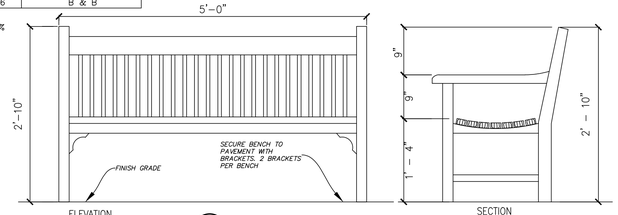
10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

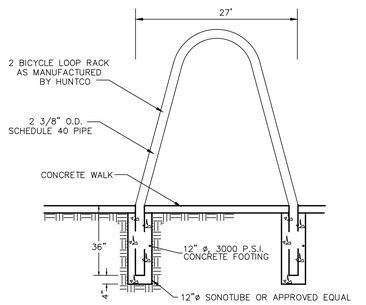
PLANT MATERIAL SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	SIZE	AMT	COMMENTS
		SHRUBS			
BW	BUXUS x "WINTER GEM"	WINTER GEM BOXWOOD	18" HT.	12	CONTAINER GROWN
HM	HYDRANGEA MACROPHLIA "BALLMAR"	ENDLESS SUMMER HYDRANGEA	#5 CONT.	12	CONTAINER GROWN
HS	HIBISCUS SYRIACUS "PINK GIANT"	PINK GIANT ROSE OF SHARON	4'-5'	5	B & B
RH	RHODODENDRON "P.J.M."	P.J.M. RHODODENDRON	2 1/2' HT.	5	B & B
TD	TAXUS X MEDIA "DENSIFORMIS"	DENSE SPREADING YEW	24" HT.	16	B & B
		TREES			
CD	CERCIS CANADENSIS	EASTERN REDBUD	2"-2 1/2" CAL.	5	B & B
MI	MALUS "INDIAN MAGIC"	INDIAN MAGIC CRABAPPLE	2 1/2" CAL.	8	B & B
ZS	ZELKOVA SERRATA	JAPANESE ZELKOVA	2 1/2"-3" CAL.	6	B & B

SEED MIX -60% NASSAU KENTUCKY BLUEGRASS, 20% JAMESTOWN CHEWING FESCUE 20% PALMER PERENNIAL RYEGRASS APPLIED AT A RATE OF 4#/1000 SQ. FT.

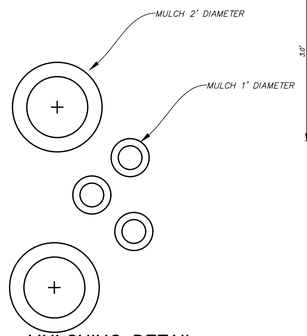


1/C4 BENCH DETAIL
NOT TO SCALE

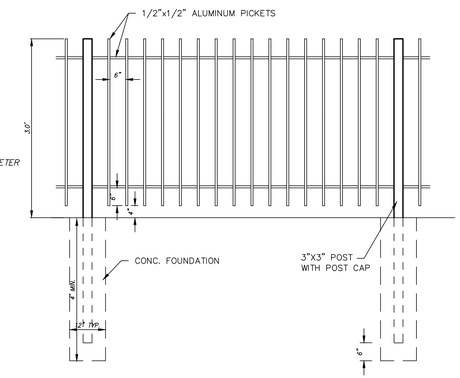


FINISH TO BE SELECTED BY OWNER
SUBMIT SHOP DRAWINGS FOR APPROVAL

2/C4 BICYCLE LOOP RACK DETAIL
NOT TO SCALE



MULCHING DETAIL
NOT TO SCALE



NOTE: 1. PROVIDE LOCKING HASP, SUBMIT SHOP DRAWINGS FOR FENCE & GATE FOR APPROVAL
2. EXACT DIMENSIONS SHALL BE COORDINATED WITH FENCE MANUFACTURER

3/C4 DECORATIVE METAL FENCE DETAIL
NOT TO SCALE

PROPOSED

- WV — EXISTING WATER VALVE
- EXISTING POLE WITH LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING SIGN
- W — EXISTING WATER MAIN
- EXISTING HYDRANT
- S — EXISTING SANITARY SEWER MAIN
- ST — EXISTING STORM SEWER MAIN
- CB OR CB — EXISTING CATCH BASIN
- MH — EXISTING MANHOLE
- WATER SHUT OFF
- X — FENCE LINE
- EXISTING PAVEMENT
- 199 / 200 — EXISTING CONTOURS
- 201 / 200 — PROPOSED CONTOURS
- W — PROPOSED WATER MAIN
- PROPOSED HYDRANT
- S — PROPOSED SEWER MAIN
- ST — PROPOSED STORM SEWER
- CB OR — PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED SIDEWALK AND HANDICAPPED RAMP
- DETECTABLE SURFACE
- PAVEMENT MARKINGS: HANDICAPPED PARKING; STOP BAR; PROPOSED PAVEMENT; TRAFFIC FLOW MARKING
- LIMIT OF CLEARING
- EXIST. TREE LINE
- PROPOSED CURB
- PROPOSED LIGHT POLE
- RETAINING WALL
- WITH GUIDE RAIL OR FALL PREVENTION FENCE AS NOTED ON THE DRAWING
- DETECTABLE SURFACE — ADA RAMP
- 7/C5 — DETAIL/SHEET NUMBER
- SPLASH PAD
- TREE
- SHRUB

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STATE OF NEW YORK — DANIEL R. HERSHBERG — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR — 044226

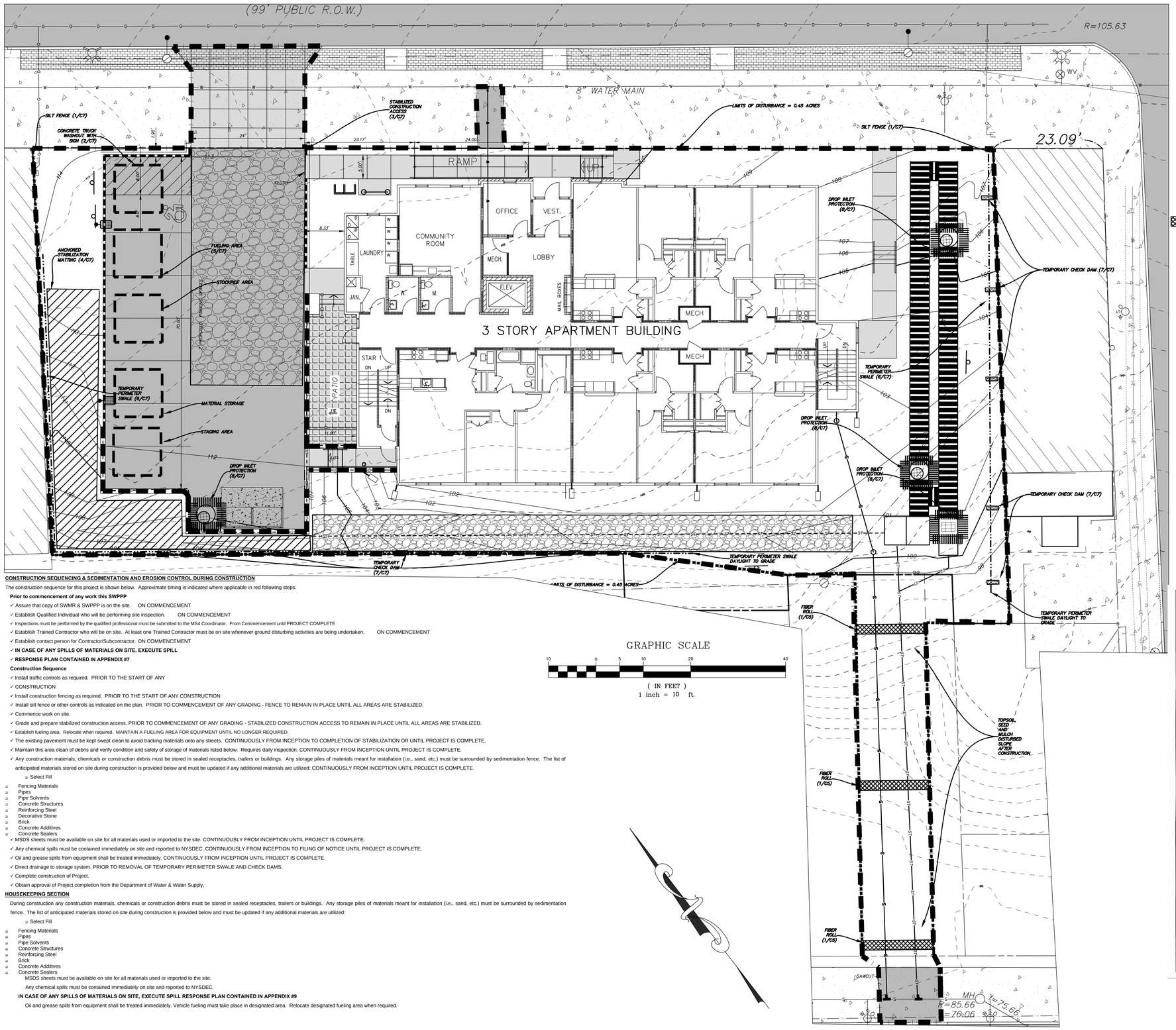
REMARKS	DATE
GENERAL REVISIONS	4/25/18
AND COMMENT LETTER	5/18/18

REVISIONS

LANDSCAPE PLAN
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180062 | SCALE: AS SHOWN | CHK.: DRH | DATE: 3/29/18 | 180062-1.DWG

C4



CONSTRUCTION SEQUENCING & SEDIMENTATION AND EROSION CONTROL DURING CONSTRUCTION

The construction sequence for this project is shown below. Approximate timing is indicated where applicable in red following steps.

Prior to commencement of any work this SWPPP

- ✓ Assure that copy of SWMR & SWPPP is on the site. ON COMMENCEMENT
- ✓ Establish Qualified Individual who will be performing site inspection. ON COMMENCEMENT
- ✓ Inspections must be performed by the qualified professional must be submitted to the MS4 Coordinator. From Commencement until PROJECT COMPLETE
- ✓ Establish Trained Contractor who will be on site. At least one Trained Contractor must be on site whenever ground disturbing activities are being undertaken. ON COMMENCEMENT
- ✓ Establish contact person for Contractor/Subcontractor. ON COMMENCEMENT
- ✓ **IN CASE OF ANY SPILLS OF MATERIALS ON SITE, EXECUTE SPILL**
- ✓ **RESPONSE PLAN CONTAINED IN APPENDIX #7**

Construction Sequence

- ✓ Install traffic controls as required. PRIOR TO THE START OF ANY
- ✓ CONSTRUCTION
- ✓ Install construction fencing as required. PRIOR TO THE START OF ANY CONSTRUCTION
- ✓ Install silt fence or other controls as indicated on the plan. PRIOR TO COMMENCEMENT OF ANY GRADING - FENCE TO REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED.
- ✓ Commence work on site.
- ✓ Grade and prepare stabilized construction access. PRIOR TO COMMENCEMENT OF ANY GRADING - STABILIZED CONSTRUCTION ACCESS TO REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED.
- ✓ Establish fueling area. Relocate when required. MAINTAIN A FUELING AREA FOR EQUIPMENT UNTIL NO LONGER REQUIRED.
- ✓ The existing pavement must be kept swept clean to avoid tracking materials onto any streets. CONTINUOUSLY FROM INCEPTION TO COMPLETION OF STABILIZATION OR UNTIL PROJECT IS COMPLETE.
- ✓ Maintain this area clean of debris and verify condition and safety of storage of materials listed below. Requires daily inspection. CONTINUOUSLY FROM INCEPTION UNTIL PROJECT IS COMPLETE.
- ✓ Any construction materials, chemicals or construction debris must be stored in sealed receptacles, trailers or buildings. Any storage piles of materials meant for installation (i.e., sand, etc.) must be surrounded by sedimentation fence. The list of anticipated materials stored on site during construction is provided below and must be updated if any additional materials are utilized: CONTINUOUSLY FROM INCEPTION UNTIL PROJECT IS COMPLETE.
  - ❑ Select Fill
  - ❑ Fencing Materials
  - ❑ Pipes
  - ❑ Pipe Solvents
  - ❑ Concrete Structures
  - ❑ Reinforcing Steel
  - ❑ Decorative Stone
  - ❑ Brick
  - ❑ Concrete Additives
  - ❑ Concrete Sealers
- ✓ MSDS sheets must be available on site for all materials used or imported to the site. CONTINUOUSLY FROM INCEPTION UNTIL PROJECT IS COMPLETE.
- ✓ Any chemical spills must be contained immediately on site and reported to NYSDEC. CONTINUOUSLY FROM INCEPTION TO FILING OF NOTICE UNTIL PROJECT IS COMPLETE.
- ✓ Oil and grease spills from equipment shall be treated immediately. CONTINUOUSLY FROM INCEPTION UNTIL PROJECT IS COMPLETE.
- ✓ Direct drainage to storage system. PRIOR TO REMOVAL OF TEMPORARY PERIMETER SWALE AND CHECK DAMS.
- ✓ Complete construction of Project.
- ✓ Obtain approval of Project completion from the Department of Water & Water Supply,

HOUSEKEEPING SECTION

During construction any construction materials, chemicals or construction debris must be stored in sealed receptacles, trailers or buildings. Any storage piles of materials meant for installation (i.e., sand, etc.) must be surrounded by sedimentation fence. The list of anticipated materials stored on site during construction is provided below and must be updated if any additional materials are utilized:

- ❑ Select Fill
- ❑ Fencing Materials
- ❑ Pipes
- ❑ Pipe Solvents
- ❑ Concrete Structures
- ❑ Reinforcing Steel
- ❑ Brick
- ❑ Concrete Additives
- ❑ Concrete Sealers

MSDS sheets must be available on site for all materials used or imported to the site.

Any chemical spills must be contained immediately on site and reported to NYSDEC.

IN CASE OF ANY SPILLS OF MATERIALS ON SITE, EXECUTE SPILL RESPONSE PLAN CONTAINED IN APPENDIX #9

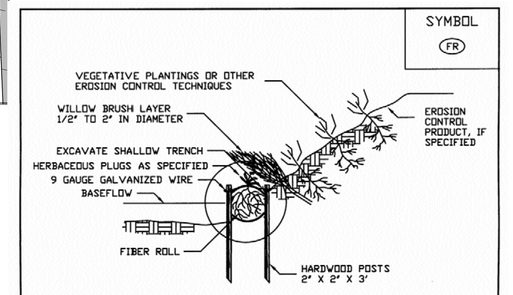
Oil and grease spills from equipment shall be treated immediately. Vehicle fueling must take place in designated area. Relocate designated fueling area when required.

ESC LEGEND

SILT FENCE
LIMITS OF DISTURBANCE
TEMPORARY PERIMETER SWALE
CONCRETE TRUCK WASHOUT
FUELING AREA
MATERIAL STORAGE
STOCKPILE AREA
STAGING AREA
TEMPORARY CHECK DAM
DROP INLET PROTECTION
FIBER ROLL

PROPOSED

- EXISTING WATER VALVE
- EXISTING POLE WITH LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING WATER MAIN
- EXISTING HYDRANT
- EXISTING SANITARY SEWER MAIN
- EXISTING STORM SEWER MAIN
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- WATER SHUT OFF
- FENCE LINE
- EXISTING PAVEMENT
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED WATER MAIN
- PROPOSED HYDRANT
- PROPOSED SEWER MAIN
- PROPOSED STORM SEWER
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED SIDEWALK AND HANDICAPPED RAMP
- DETECTABLE SURFACE
- PAVEMENT MARKINGS: HANDICAPPED PARKING
- STOP BAR
- PROPOSED PAVEMENT
- TRAFFIC FLOW MARKING
- LIMIT OF CLEARING
- EXIST. TREE LINE
- PROPOSED CURB
- PROPOSED LIGHT POLE
- RETAINING WALL
- WITH GUIDE RAIL OR FALL PREVENTION FENCE AS NOTED ON THE DRAWING
- DETECTABLE SURFACE
- ADA RAMP
- SPLASH PAD



CROSS SECTION
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
2. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" x 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
3. NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
4. PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS. VEGETATION SHALL BE PLACED IMMEDIATELY ADJACENT TO THE ROLL TO PROMOTE ROOT GROWTH INTO THE FIBER. HERBACEOUS VEGETATION, IF SPECIFIED, SHALL BE PLANTED INTO THE FIBER ROLL.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FIBER ROLL

1/C5 **FIBER ROLL DETAIL**
NOT TO SCALE

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

STATE OF NEW YORK — DANIEL R. HERSHBERG — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR — 044226

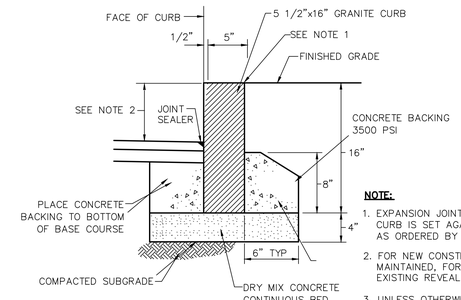
REVISIONS

REMARKS	DATE
GENERAL REVISIONS	4/25/18
AND COMMENT LETTER	5/18/18

EROSION AND SEDIMENT CONTROL PLAN
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180052 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 3/28/18 | 180052-1.DWG

C5

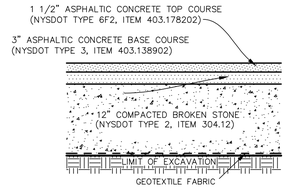


NOTE:

1. EXPANSION JOINT MATERIAL SHALL INSTALLED WHEN CURB IS SET AGAINST NEW OR EXISTING SIDEWALK AS ORDERED BY THE ENGINEER.
2. FOR NEW CONSTRUCTION, A 6" CURB REVEAL SHALL BE MAINTAINED, FOR CURB REPLACEMENT OR RESETTING, MATCH EXISTING REVEAL. FOR DROP CURB, MAXIMUM HEIGHT SHALL BE 1/2".
3. UNLESS OTHERWISE NOTED, ALL ITEMS ASSOCIATED WITH GRANITE CURB INSTALLATION SHALL BE PAID FOR UNDER ITEM 609.0201

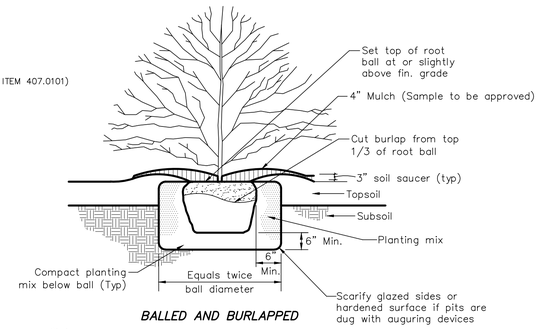
1/C6 GRANITE CURB DETAIL

NOT TO SCALE



3/C6 ASPHALT PAVEMENT DETAIL

NOT TO SCALE

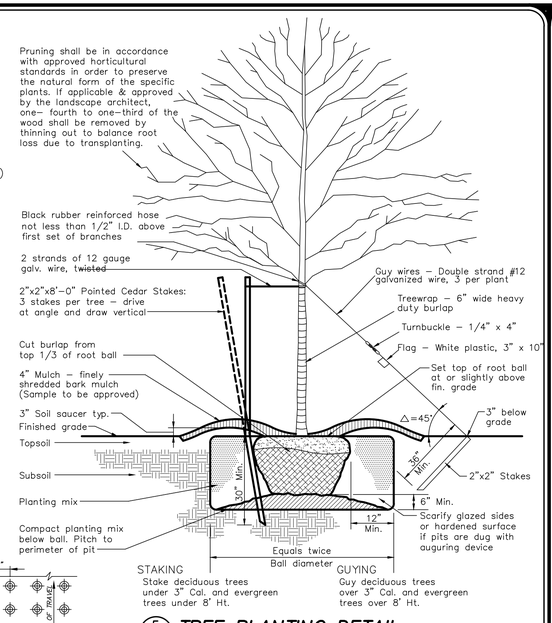


BALLED AND BURLAPPED

Notes:
1. In areas of mass planting, continuously excavate and mulch entire bed.
2. Do not add fertilizer to planting mix for fall planting.

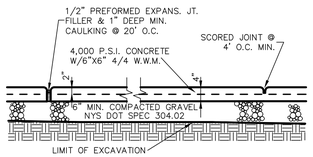
4/C6 SHRUB PLANTING DETAIL

NOT TO SCALE

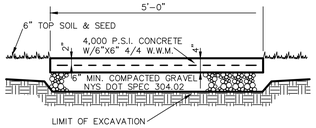


5/C6 TREE PLANTING DETAIL

NOT TO SCALE



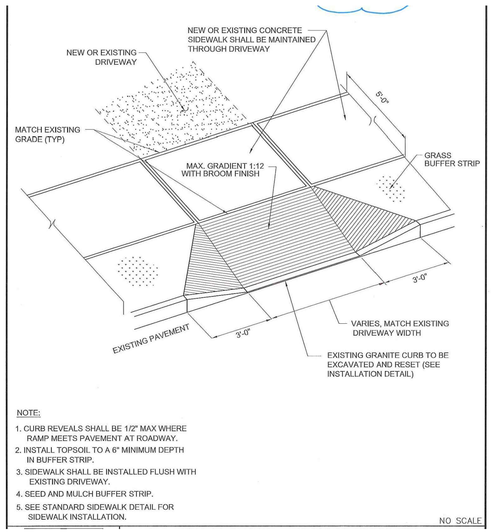
LONGITUDINAL SECTION



CROSS SECTION

2/C6 CONCRETE WALK DETAIL

NOT TO SCALE



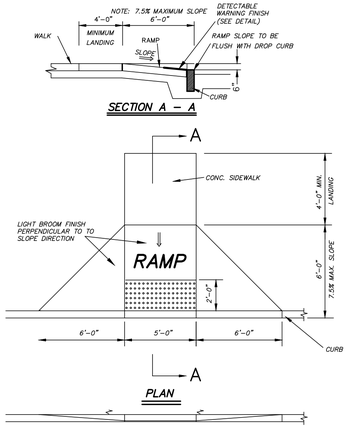
NOTE:

1. CURB REVEALS SHALL BE 1/2" MAX WHERE RAMP MEETS PAVEMENT AT ROADWAY.
2. INSTALL TOPSOIL TO A 6" MINIMUM DEPTH IN BUFFER STRIP.
3. SIDEWALK SHALL BE INSTALLED FLUSH WITH EXISTING DRIVEWAY.
4. SEED AND MULCH BUFFER STRIP.
5. SEE STANDARD SIDEWALK DETAIL FOR SIDEWALK INSTALLATION.

NO SCALE

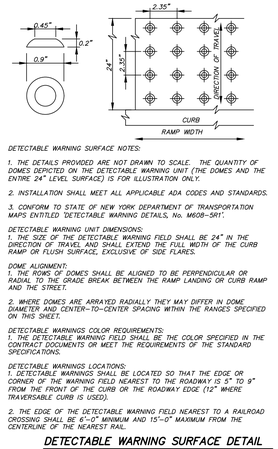
6/C6 CONCRETE DRIVEWAY APRON DETAIL

NOT TO SCALE



7/C6 HANDICAPPED RAMP DETAIL

NOT TO SCALE



DETECTABLE WARNING SURFACE NOTES:

1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.

2. INSTALLATION SHALL MEET ALL APPLICABLE ADA CODES AND STANDARDS.

3. CONFORM TO STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION MAPS ENTITLED 'DETECTABLE WARNING DETAILS, No. M608-5R1'.

DETECTABLE WARNING UNIT DIMENSIONS:
1. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.

DOME ALIGNMENT:
1. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.

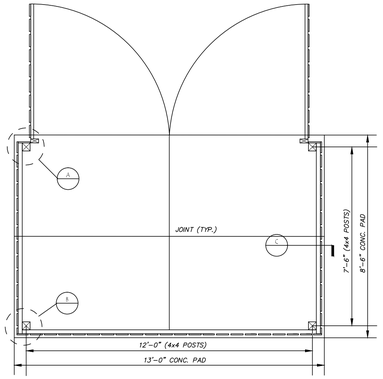
2. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

DETECTABLE WARNINGS COLOR REQUIREMENTS:
1. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

DETECTABLE WARNINGS LOCATIONS:
1. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED).

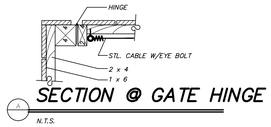
2. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'-0" MINIMUM AND 15'-0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

DETECTABLE WARNING SURFACE DETAIL



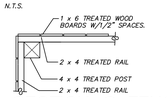
8/C6 TRASH ENCLOSURE

N.T.S.



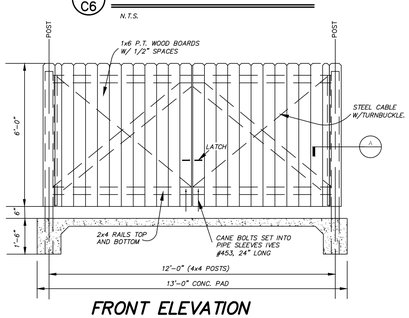
SECTION @ GATE HINGE

N.T.S.



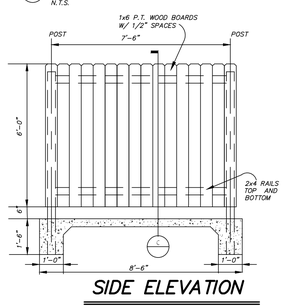
SECTION @ FENCE POST

N.T.S.



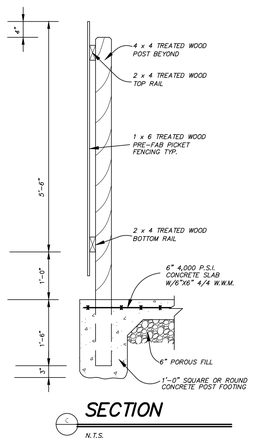
FRONT ELEVATION

N.T.S.



SIDE ELEVATION

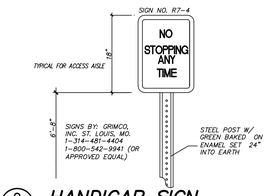
N.T.S.



SECTION

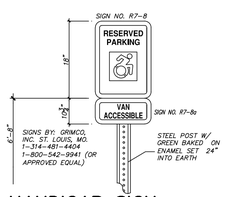
N.T.S.

TRASH ENCLOSURE DETAILS



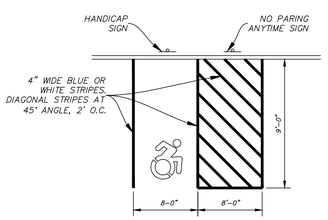
9/C6 HANDICAP SIGN

N.T.S. TYPICAL FOR ACCESS AISLE

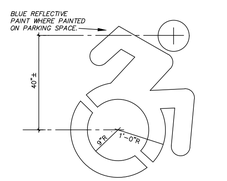


10/C6 HANDICAP SIGN

N.T.S. TYPICAL FOR PARKING SPACE

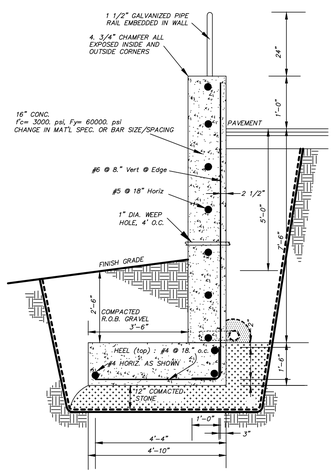


11/C6 HANDICAPPED PAVEMENT STRIPING DETAIL



12/C6 HANDICAP SYMBOL

N.T.S.



13/C6 REINFORCED CONCRETE RETAINING WALL SECTION H=5.00

NOT TO SCALE

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

STATE OF NEW YORK — DANIEL R. HERSHBERG — 044226 — LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

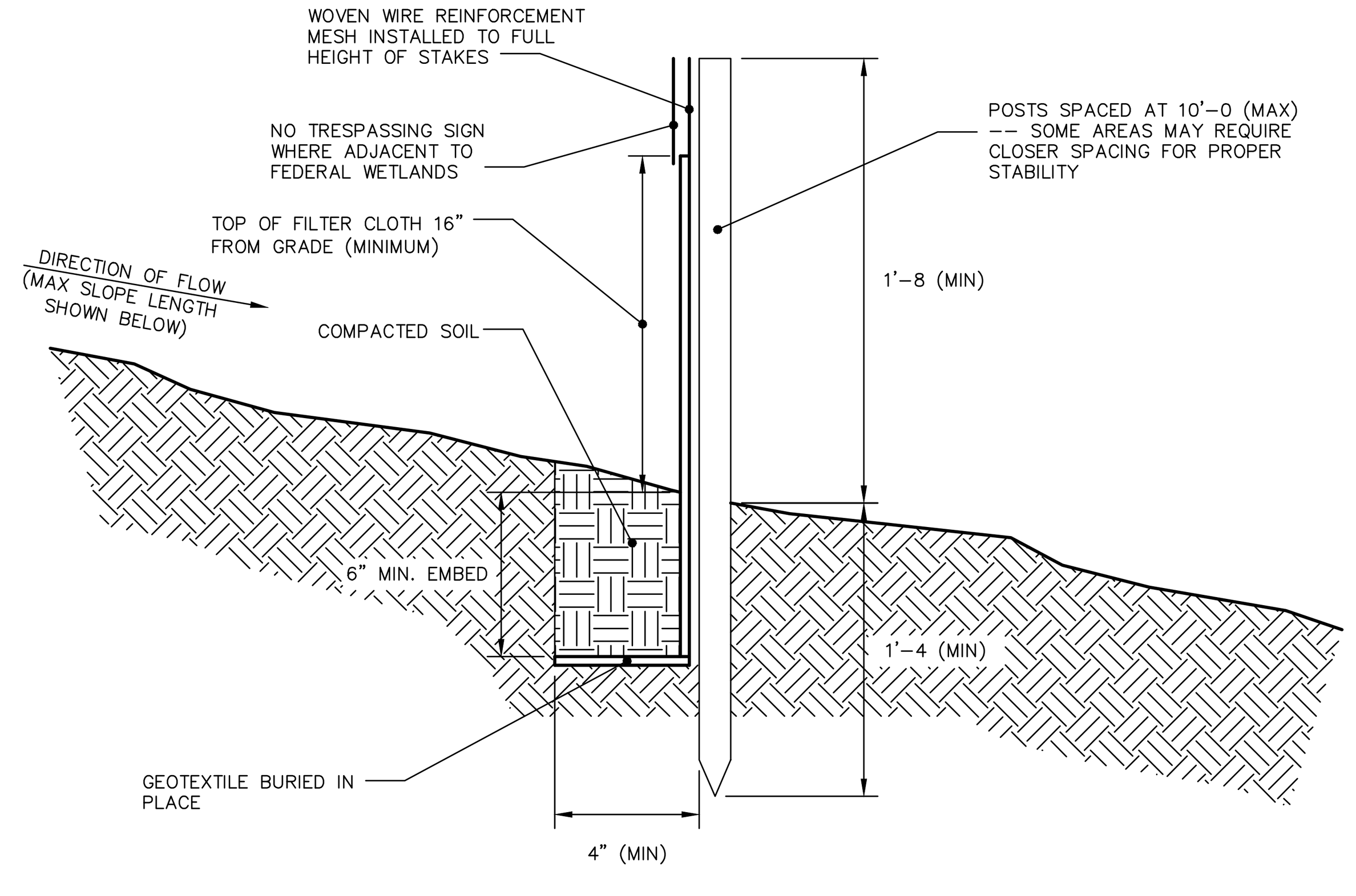
REMARKS	DATE
GENERAL REVISIONS	4/25/18
AMD COMMENT LETTER	5/18/18

REVISIONS

DETAILS
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180062 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 3/26/18 | 180062-1.DWG

C6



MAXIMUM ALLOWABLE SLOPE LENGTH

MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SECTION OF SILT FENCE SHALL BE AS FOLLOWS:

SLOPE STEEPNESS:	MAX. SLOPE LENGTH:
1:2	25 FT
1:3	50 FT
1:4	75 FT
1:5 OR FLATTER	100 FT

NOTE: MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO SILT FENCE SECTION SHALL NOT EXCEED 1/4 ACRE PER 100 FT OF FENCE. CONCENTRATED DISCHARGE OF SEDIMENT LADEN WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO THE FENCING.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

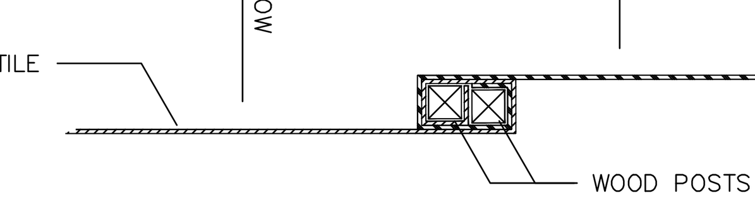
1. INSTALL SILT FENCE IN ACCORDANCE WITH "THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. WOVEN WIRE FENCE SHALL BE 12 1/2 GA., 6" MAXIMUM MESH OPENING, FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
3. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER SILT FENCE JOINT DETAIL ON THIS SHEET.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/2 HEIGHT OF FILTER FABRIC) OR WHEN "BULGES" DEVELOP IN FENCING.

POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 12 1/2 GA. 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

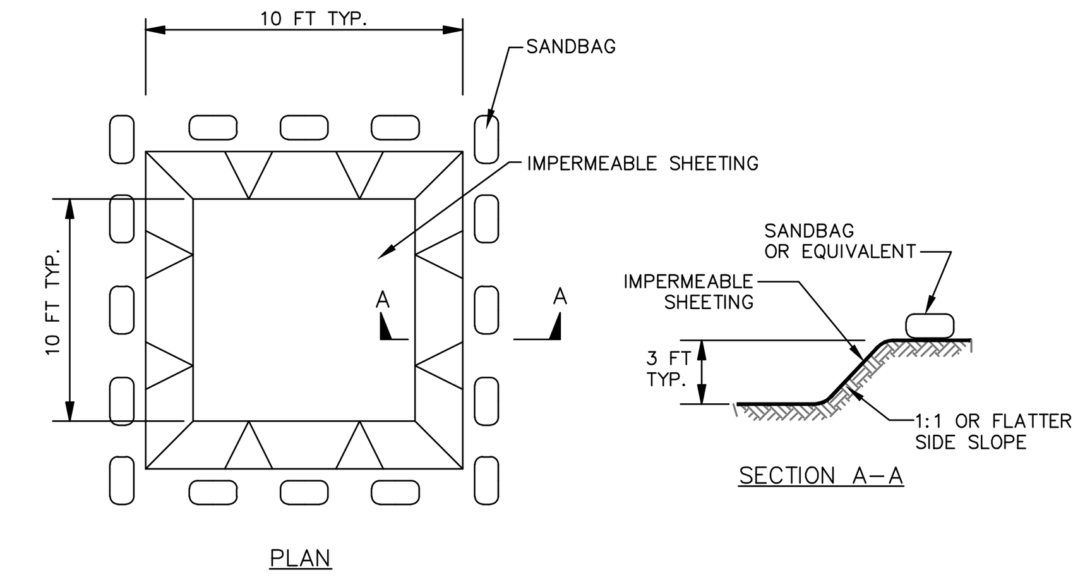


WRAP ENDS OF SILT FENCE SECTIONS TOGETHER TO PREVENT FLOW OF SEDIMENT BETWEEN SECTIONS

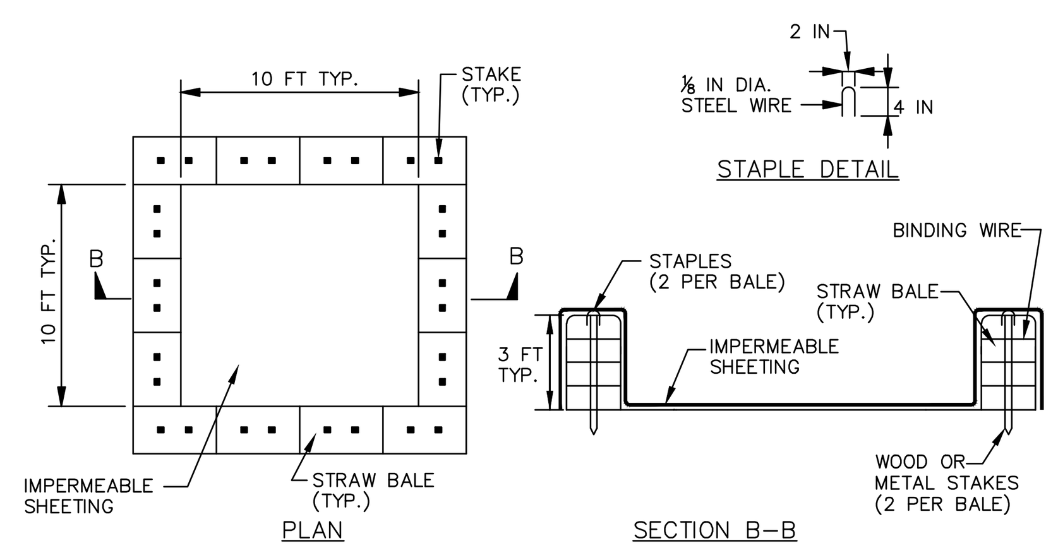
SILT FENCE JOINT DETAIL

1/C7 *SILT FENCE DETAIL*

NOT TO SCALE

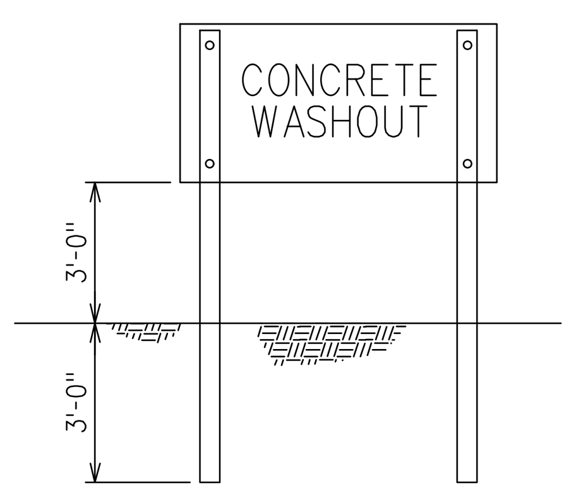


EXCAVATED WASHOUT STRUCTURE



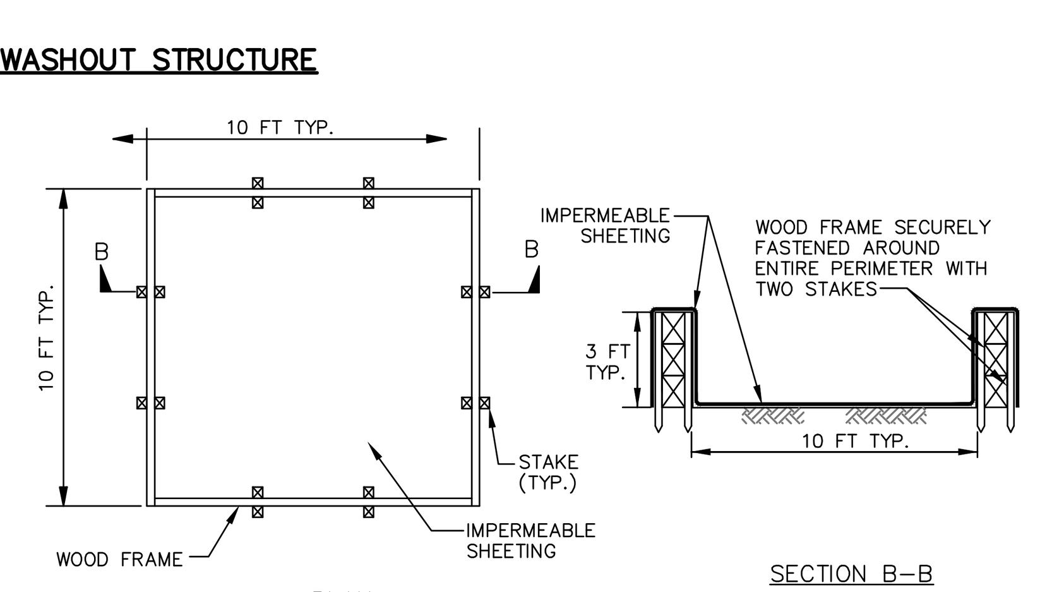
NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

WASHOUT STRUCTURE WITH STRAW BALES



CONCRETE WASHOUT SIGN DETAIL

(OR EQUIVALENT)



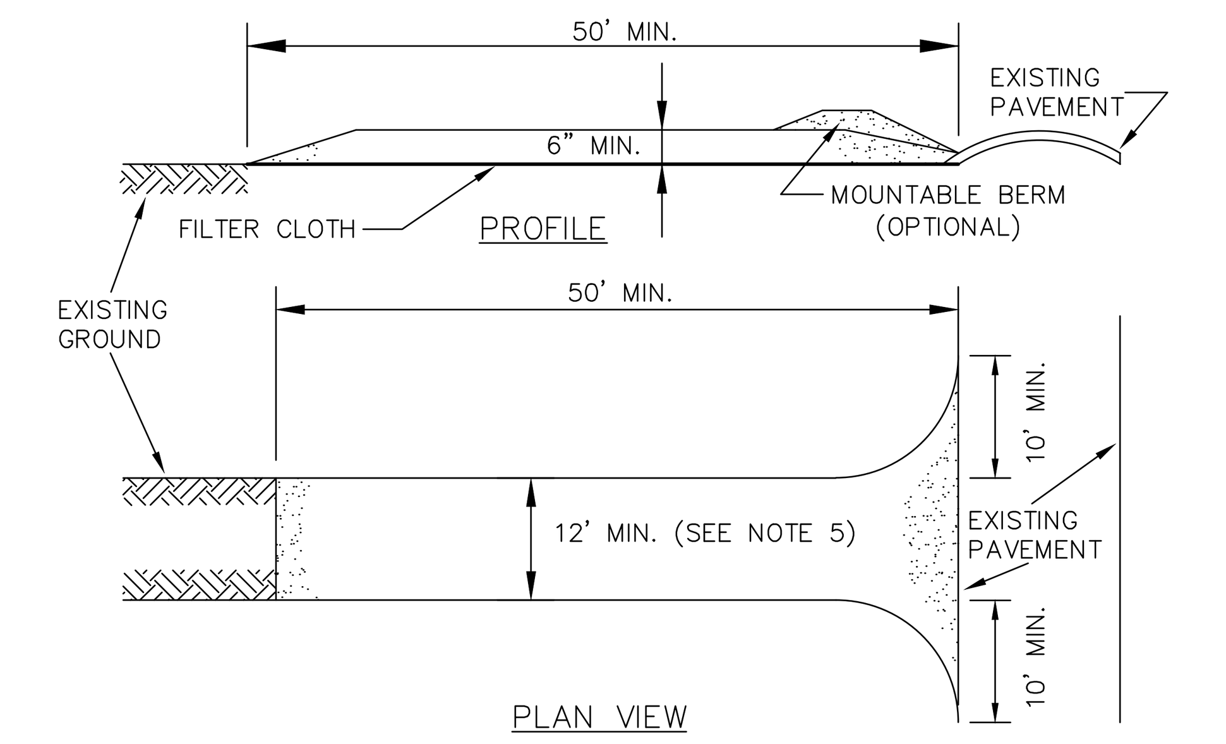
WASHOUT STRUCTURE WITH WOOD PLANKS

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

2/C7 *ONSITE CONCRETE TRUCK WASHOUT STRUCTURE DETAIL*

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

1. INSTALL CONSTRUCTION ACCESS IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.

2. STONE SIZE -USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

3. LENGTH - NOT LESS THAN 50 FEET {EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).

4. THICKNESS- NOT LESS THAN (6) INCHES.

5. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. IF CONSTRUCTED AS THE ONLY ENTRANCE TO THE SITE, WIDTH SHALL BE TWENTY-FOUR (24) FEET.

5. STABILIZATION FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

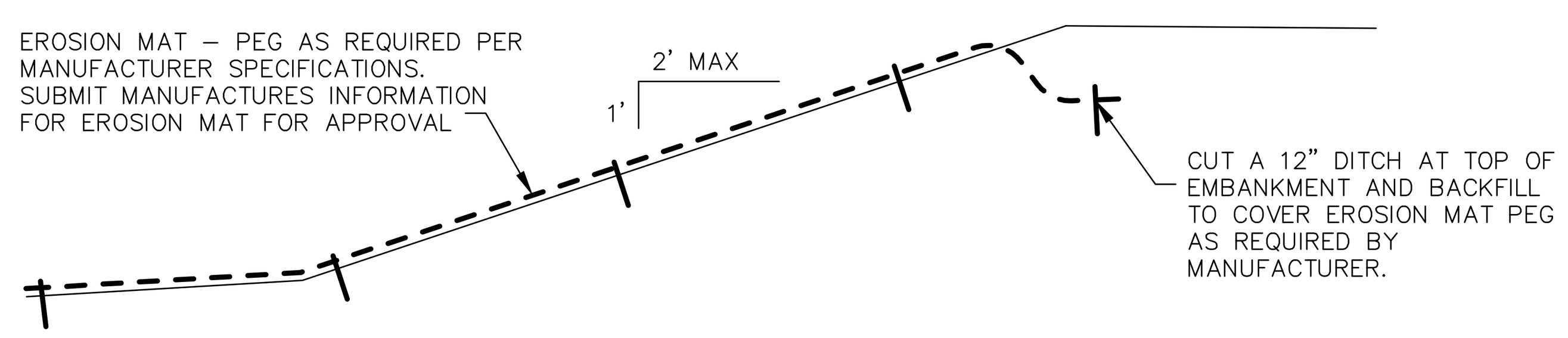
7. MAINTENANCE - THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING DR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED. WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8. WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

3/C7 *STABILIZED CONSTRUCTION ACCESS DETAIL*

NOT TO SCALE

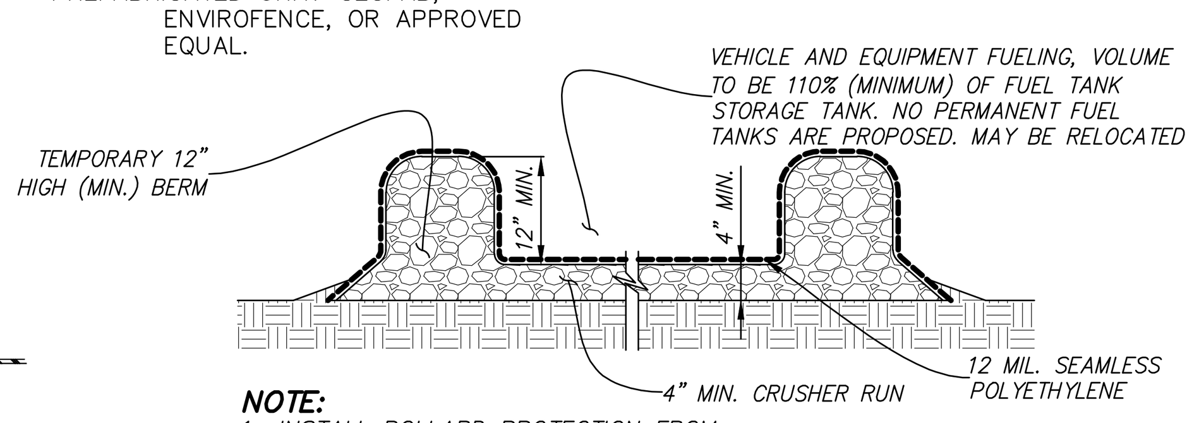


NOTE:

USE THIS DETAIL AS REQUIRED TO STABILIZE SLOPES DURING CONSTRUCTION AND UPON COMPLETION OF CLEARING AND GRADING TO PREVENT EROSION OF SLOPES.

4/C7 *ANCHORED STABILIZATION MATTING*

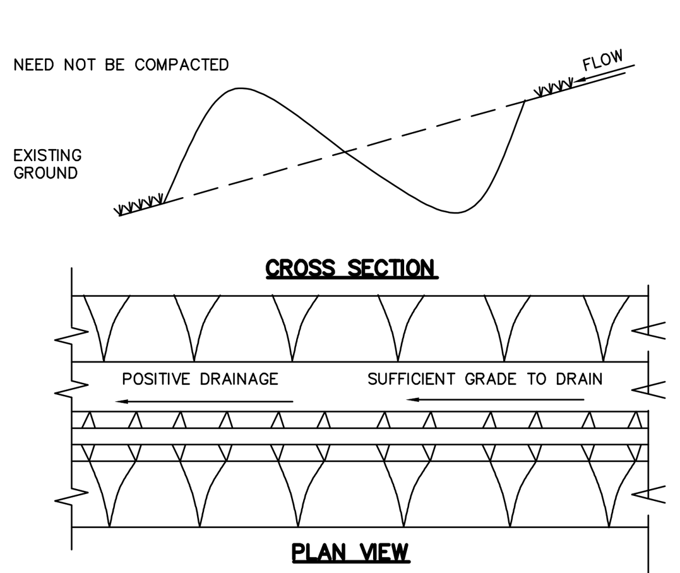
NOT TO SCALE



NOTE:
1. INSTALL BOLLARD PROTECTION FROM CONSTRUCTION ACTIVITY (4' O.C. MIN.).

5/C7 *VEHICLE AND EQUIPMENT FUELING DETAIL*

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 10 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT: 2 ACRES

DESIGN CRITERIA:

THE PERIMETER DIKE/SWAL SHALL NOT BE CONSTRUCTED OUTSIDE PROPERTY LINES OR SETBACKS WITHOUT OBTAINING LEGAL EASEMENTS FROM AFFECTED ADJACENT PROPERTY OWNERS. A DESIGN IS NOT REQUIRED FOR PERIMETER DIKE/SWALE. THE FOLLOWING CRITERIA SHALL BE USED:

DRAINAGE AREA - LESS THAN 2 ACRES (FOR DRAINAGE AREAS LARGER THAN 2 ACRES BUT LESS THAN 10 ACRES, SEE EARTH DIKE OR CONSTRUCTION DITCH; FOR DRAINAGE AREAS LARGER THAN 10 ACRES, SEE STANDARD AND SPECIFICATIONS FOR DIVERSION).

HEIGHT - 18 INCHES MINIMUM FROM BOTTOM OF SWALE TO TOP OF DIKE EVENLY DIVIDED BETWEEN DIKE HEIGHT AND SWALE DEPTH.

BOTTOM WIDTH OF DIKE - 2 FEET MINIMUM.

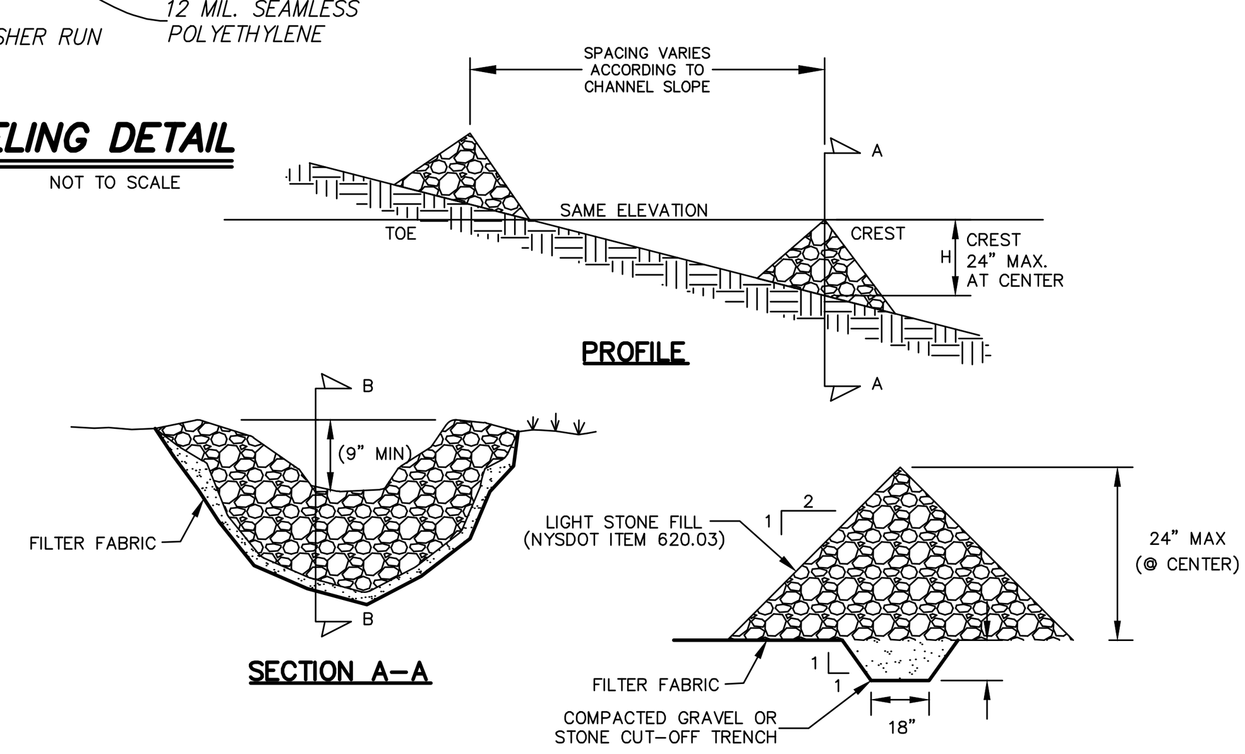
WIDTH OF SWALE - 2 FEET MINIMUM

GRADE - DEPENDENT UPON TOPOGRAPHY, BUT SHALL HAVE POSITIVE DRAINAGE (SUFFICIENT GRADE TO DRAIN) TO AN ADEQUATE OUTLET. MAXIMUM ALLOWABLE GRADE NOT TO EXCEED 8 PERCENT.

STABILIZATION - THE DISTURBED AREA OF THE DIKE AND SWALE SHALL BE STABILIZED WITHIN 2 DAYS OF INSTALLATION FOR CONSTRUCTION DITCH (SEE PAGE 3.4).

6/C7 *TEMPORARY PERIMETER DIKE OR SWALE DETAIL*

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

1. INSTALL STONE CHECK DAM IN ACCORDANCE WITH THE JULY 2016 "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 3 EROSION CONTROL - PART 1 RUNOFF CONTROL.

2. LIGHT STONE FILL (NYSDOT ITEM 620.03) SHALL BE PLACED ON A FILTER FABRIC FOUNDATION ACCORDING TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.

3. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.

4. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.

5. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.

6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO BLOCKAGE OR DAMAGE FROM DISPLACED STONE.

8. MAXIMUM DRAINAGE AREA 2 ACRES.

9. LOCATION OF CHECK DAMS SHALL BE AS REQUIRED TO PROVIDE ADEQUATE EROSION CONTROL AND MAY BE DIRECTED BY THE ENGINEER IN AREAS OTHER THAN SHOWN ON THIS PLAN DURING CONSTRICTION AND UNTIL SITE IS STABILIZED.

DESIGN CRITERIA:

DRAINAGE AREA - MAXIMUM DRAINAGE AREA ABOVE THE CHECK DAM SHALL NOT EXCEED TWO (2) ACRES.

HEIGHT - NOT GREATER THAN 2 FEET. CENTER SHALL BE MAINTAINED 9 INCHES LOWER THAN ABUTMENTS AT NATURAL GROUND ELEVATION

SIDE SLOPES - SHALL BE 2:1 OR FLATTER.

SPACING - THE CHECK DAMS SHALL BE SPACED AS NECESSARY IN THE CHANNEL SO THAT THE CREST OF THE DOWNSTREAM DAM IS AT THE ELEVATION OF THE TO OF THE UPSTREAM DAM. THIS SPACING IS IS EQUAL TO THE HEIGHT OF THE CHECK DAM DIVIDED BY THE CHANNEL SLOPE.

FOR STONE CHECK DAMS - USE A WELL GRADED STONE MATRIX 2 TO 9 INCHES IN SIZE (NYS-DOT LIGHT STONE FILL MEETS THESE REQUIREMENTS).

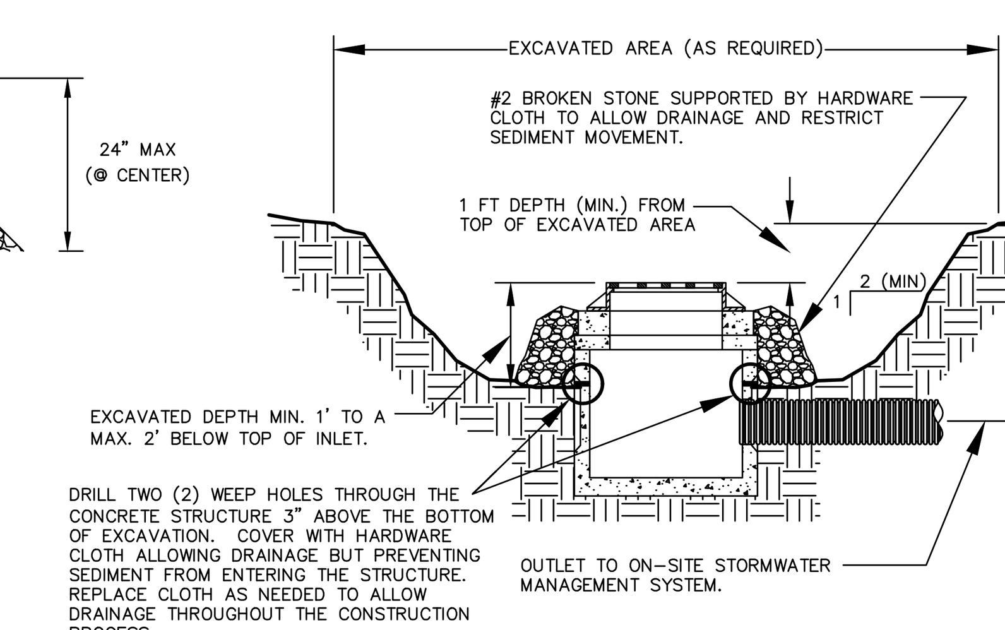
THE OVERFLOW OF THE CHECK DAMS WILL BE STABILIZED TO RESIST EROSION THAT MIGHT BE CAUSED BY THE CHECK DAM. SEE FIGURE 3.1 ON PAGE 3.3 FOR DETAILS.

CHECK DAMS SHOULD BE ANCHORED IN THE CHANNEL BY A CUTOFF TRENCH 1.5 FT. WIDE AND 0.5 FT. DEEP AND LINED WITH FILTER FABRIC TO PREVENT SOIL MIGRATION.

FOR FILTER SOCK OR FIBER ROLL CHECK DAMS - THE CHECK DAMS WILL BE ANCHORED BY STAKING THE DAM TO THE EARTH CONTACT SURFACE. THE DAM WILL EXTEND TO THE TOP OF THE BANK. THE CHECK DAM WILL HAVE A SPLASH APRON OF NYS DOT #2 CRUSHED STONE EXTENDING A MINIMUM 3 FEET DOWNSTREAM FROM THE DAM AND 1 FOOT UP THE SIDES OF THE CHANNEL. THE COMPOST AND MATERIALS FOR A FILTER SOCK CHECK DAM SHALL MEET THE REQUIREMENTS SHOWN IN THE STANDARD FOR COMPOST FILTER SOCK ON PAGE 5.7.

7/C7 *TEMPORARY STONE CHECK DAM DETAIL*

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

1. INSTALL INLET PROTECTION IN ACCORDANCE WITH THE JULY 2016 "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".

2. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.

3. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.

4. WEEP HOLES SHALL BE PROTECTED BY 2"ø STONE OR GRAVEL.

5. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL EXCAVATION WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

6. THE MAXIMUM DRAINAGE AREA SHALL BE 1 ACRE.

DESIGN CRITERIA:

LIMIT THE DRAINAGE AREA TO THE INLET DEVICE TO ONE (1) ACRE. EXCAVATED SIDE SLOPES SHALL BE NO STEEPER THEN 2:1. THE MINIMUM DEPTH SHALL BE 1 FOOT AND THE MAXIMUM DEPTH 2 FEET AS MEASURED FROM THE CREST OF THE INLET STRUCTURE. SHAPE THE EXCAVATED BASIN TO FIT CONDITIONS WITH THE LONGEST DIMENSION ORIENTATED TOWARD THE LONGEST INFLOW AREA TO PROVIDE MAXIMUM TRAP EFFICIENCY. THE CAPACITY OF THE EXCAVATED BASIN SHOULD BE ESTABLISHED TO CONTAIN 900 CUBIC FEET PER ACRE OF DISTURBED AREA. WEEP HOLES, PROTECTED BY FABRIC AND STONE, SHOULD BE PROVIDED FOR DRAINING THE TEMPORARY POOL.

INSPECT AND CLEAN THE EXCAVATED BASIN AFTER EVERY STORM. SEDIMENT SHOULD BE REMOVED WHEN 50 PERCENT OF THE STORAGE VOLUME IS ACHIEVED. THIS MATERIAL SHOULD BE INCORPORATED INTO THE SITE IN A STABILIZED MANNER.

8/C7 *EXCAVATED DROP INLET PROTECTION*

NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES

1. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCHING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN THE NEW YORK STATE EROSION AND SEDIMENT CONTROL MANUAL DATED JULY 2016, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.

2. AT ALL TIMES SOIL DISTURBING ACTIVITIES SHALL REMAIN LESS THAN 1 ACRE. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT. THE SITE WILL BE MONITORED AT ALL TIMES TO ENSURE SOIL DISTURBANCE DOES NOT EXCEED 1 ACRE.

3. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.

4. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.

5. INSTALL TEMPORARY & PERMANENT SEEDING IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL STANDARD AND SPECIFICATION FOR TEMPORARY CONSTRUCTION AREA SEEDING AND FOR MULCHING:

STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA PLANTINGS, PAGE 4.58: WATER MANAGEMENT PRACTICES MUST BE INSTALLED AS APPROPRIATE FOR SITE CONDITIONS. THE AREA MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE. LARGE DEBRIS AND ROCKS ARE USUALLY REMOVED. SEEDBED MUST BE SEEDED WITHIN 24 HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.

FERTILIZER OR LIME ARE NOT TYPICALLY USED FOR TEMPORARY SEEDINGS.

IF: SPRING OR SUMMER OR EARLY FALL, THEN SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE. (APPROXIMATELY 0.7 LB./1000 SQ. FT. OR USE 1 LB./1000 SQ. FT.)

IF: LATE FALL OR EARLY WINTER, THEN SEED CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 1000 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.).

ANY SEEDING METHOD MAY BE USED THAT WILL PROVIDE UNIFORM APPLICATION OF SEED TO THE AREA AND RESULT IN RELATIVELY GOOD SOIL TO SEED CONTACT.

MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE (APPROX. 90 LBS./1000 SQ. FT. OR 2 BALES). QUALITY OF HAY OR STRAW MULCH ALLOWABLE WILL BE DETERMINED BASED ON LONG TERM USE AND VISUAL CONCERNS. MULCH ANCHORING WILL BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IF APPLIED ACCORDING TO MANUFACTURERS' SPECIFICATIONS. CAUTION IS ADVISED WHEN USING NYLON OR OTHER SYNTHETIC PRODUCTS. THEY MAY BE DIFFICULT TO REMOVE PRIOR TO FINAL SEEDING AND CAN BE A HAZARD TO YOUNG WILDLIFE SPECIES.

MULCH ANCHORING GUIDE - TABLE 4.3, PAGE 4.41:

TABLE 4.3
MULCH ANCHORING GUIDE

ANCHORING METHOD OR MATERIAL	KIND OF MULCH TO BE ANCHORED	HOW TO APPLY
PEG AND TWINE	HAY OR STRAW	AFTER MULCHING, DIVIDE AREAS INTO BLOCKS APPROXIMATELY 1 SQ. YD. IN SIZE. DRIVE 4-6 PEGS PER BLOCK TO WITHIN 2" TO 3" OF SOIL SURFACE. SECURE MULCH TO SURFACE BY STRETCHING TWINE BETWEEN PEGS IN CRISS-CROSS PATTERN ON SECURE TWINE AROUND EACH PEG WITH 2 OR MORE TIGHT TURNS. DRIVE PEGS FLUSH WITH SOIL. DRIVING STAKES INTO GROUND TIGHTENS THE TWINE.
MULCH NETTING	HAY OR STRAW	STAPLE THE LIGHT-WEIGHT PAPER, JUTE, WOOD FIBER, OR PLASTIC NETTINGS TO SOIL SURFACE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. SHOULD BE BIODEGRADABLE. MOST PRODUCTS ARE NOT SUITABLE FOR FOOT TRAFFIC.
WOOD CELLULOSE FIBER	HAY OR STRAW	APPLY WITH HYDROSEEDER IMMEDIATELY AFTER MULCHING. USE 500 LBS. WOOD FIBER PER ACRE. SOME PRODUCTS CONTAIN AN ADHESIVE MATERIAL ("TACKIFIER"), POSSIBLY ADVANTAGEOUS.
MULCH ANCHORING TOOL	HAY OR STRAW	APPLY MULCH AND PULL A MULCH ANCHORING TOOL (BLUNT, STRAIGHT DISCS) OVER MULCH AS NEAR TO THE CONTOUR AS POSSIBLE. MULCH MATERIAL SHOULD BE "TUCKED" INTO SOIL SURFACE ABOUT 3".
TACKIFIER	HAY OR STRAW	MIX AND APPLY POLYMERIC AND GUM TACKIFIERS ACCORDING TO MANUFACTURER'S INSTRUCTIONS. AVOID APPLICATION DURING RAIN. A 24-HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45° FAHRENHEIT ARE REQUIRED.

6. INSTALL PERMANENT RIP-RAP AT ALL PIPE END SECTIONS AT TIME OF INSTALLATION OF PIPE.

7. DURING EXCAVATION OF TEMPORARY SEDIMENT BASIN, FIELD VERIFY A MINIMUM OF 2' SEPARATION DISTANCE FROM GROUND WATER ELEVATION TO SURFACE SAND FILTERS WITH AN IMPERMEABLE BOTTOM AND 3' WITH A PERMEABLE BOTTOM. NOTIFY ENGINEER IMMEDIATELY IF THESE MINIMUM SEPARATION REQUIREMENTS DO NOT EXIST FOR ALTERNATIVE MEANS OF STORMWATER POLLUTION PREVENTION.

8. SEE REMAINDER OF PLANS FOR PERMANENT IMPROVEMENTS. PERMANENT IMPROVEMENTS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY.

9. PAVED AREAS ARE TO BE SWEPT DAILY TO REMOVE ANY SEDIMENT AND ALL NEWLY PAVED AREAS SHALL BE DIRECTED TO THE TEMPORARY OR FINAL SEDIMENT CONTROL BASINS.

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE JULY 2016 "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL." (aka: THE BLUE BOOK) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

2. IT IS THE INTENT OF THESE PLANS AND NOTES TO BE USED AS A GUIDE BY THE CONTRACTOR TO ENSURE THAT NO ERODED MATERIAL MIGRATES FROM THE SITE OR ENTERS ANY WATER COURSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THIS GOAL IS MET, BY IMPLEMENTING THESE PLANS AND ANY ADDITIONAL MEANS THAT MAY BE NECESSARY. FURTHER MEASURES MAY BE REQUIRED BY THE CITY, VILLAGE, OR TOWN ENGINEER. WHILE MANY OF THE EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TAKEN DIRECTLY FROM THE BLUE BOOK, THE CONTRACTOR SHOULD CONSIDER ANY OF THE DETAILS CONTAINED IN THE JULY 2016 NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AS ACCEPTABLE PRACTICE IN THE APPROPRIATE APPLICATION.

3. THE DEVELOPER/CONTRACTOR OR HIS BUILDER SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT THROUGH THE ENTIRE DEVELOPMENT PROCESS. TO ASSURE PROPER FUNCTION, SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPOIL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDED AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. DURING THESE PERIODIC INSPECTIONS, THE FOLLOWING ITEMS SHOULD BE PAID PARTICULAR ATTENTION:

A. THE BASIN INLET LOCATIONS SHALL BE INSPECTED FOR SILT ACCUMULATION CAUSED BY THE LACK OF ESTABLISHED SURROUNDING VEGETATION.
B. CATCH BASINS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION.
C. RIP-RAP OUTLET PROTECTION SHALL ALSO BE CHECKED FOR SEDIMENT ACCUMULATION. IF SIGNIFICANT AMOUNTS OF SEDIMENT ACCUMULATE, RIP-RAP SHALL BE REMOVED AND REPLACED.
D. STONE CHECK DAMS AND SILT FENCING SHALL BE INSPECTED REGULARLY FOR UNDERMINING AND DETERIORATION.
E. SEEDED/MULCHED AREAS SHALL BE INSPECTED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.

4. EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE ENGINEER HAS APPROVED FINAL STABILIZATION.

5. STONE CHECK DAMS AND SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH PLAN AND DETAIL LOCATIONS AND AS DESCRIBED IN THE NEW YORK STATE EROSION AND SEDIMENT CONTROL MANUAL DATED JULY 2016.

6. PRIOR TO CONSTRUCTION OF ANY PHASE, THE STABILIZED CONSTRUCTION ACCESS SHALL BE INSTALLED.

7. CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES. EQUIPMENT SHALL NOT OPERATE, UNNECESSARILY,

8. EXISTING PAVEMENT AREAS SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER.

9. WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAYS ROADWAY AREAS AS DIRECTED BY THE ENGINEER.

10. ANY WATER PUMPED AS A RESULT OF DEWATERING ACTIVITIES SHALL BE PUMPED INTO A DEWATERING PIT.

11. CONCRETE WASHOUT AREAS SHALL BE DESIGNATED BY THE DESIGN ENGINEER AND PROTECTED IN ACCORDANCE WITH THE NEW YORK STATE EROSION AND SEDIMENT CONTROL MANUAL DATED JULY 2016.

12. ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE RE-SEEDED AS SOON AS PRACTICABLE. PARTICULAR CARE SHALL BE TAKEN TO RE-SEED DISTURBED SLOPES IN A TIMELY MANNER.

13. IT IS RECOMMENDED THAT ALL EROSION CONTROL DEVICES BE PLACED FOR THE ENTIRE PHASE AS SHOWN ON THE EROSION CONTROL PLAN. PLACEMENT MAY BE DONE, HOWEVER, TO SUIT CONSTRUCTION SEQUENCING AS APPROVED BY THE ENGINEER.

14. STOCK PILES SHALL BE PROTECTED BY A SEDIMENT CONTROL FENCE OR TEMPORARY SEDIMENT CONTROL TRENCH PER THE NEW YORK STATE EROSION AND SEDIMENT CONTROL MANUAL DATED JULY 2016. THESE FENCES/TRENCHES SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SAID STOCK PILES ARE REMOVED AND STOCK PILING AREAS ARE PERMANENTLY STABILIZED.

15. STOCK PILES SHALL BE SEEDED UPON SUSPENSION OF WORK OR IF MATERIAL IS NOT TO BE USED WITHIN 14 DAYS, IN ACCORDANCE WITH THE NEW YORK STATE EROSION AND SEDIMENT CONTROL MANUAL DATED JULY 2016.

16. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.

17. SILT FENCING SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETERS OF ALL SLOPES TO BE GRADED, PRIOR TO GRADING OPERATIONS.

18. TEMPORARY SWALES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF ADJACENT AREAS.

19. WHERE NECESSARY, TEMPORARY GRADING WILL BE REQUIRED TO ROUTE STORMWATER TO TEMPORARY SWALES.

20. UPON INSTALLATION OF ANY CATCH BASIN, INSTALL EXCAVATED DROP INLET PROTECTION, THIS SHALL REMAIN UNTIL THE DRAINAGE AREA IS STABILIZED.

21. PRIOR TO ANY CONSTRUCTION ALL FEDERAL JURISDICTIONAL WETLANDS SHALL BE FIELD LOCATED AND DELINEATED WITH SILT FENCING AND ORANGE CONSTRUCTION FENCE. THE ORANGE FENCING SHALL BE INSTALLED AT THE ESTABLISHED WETLAND BUFFER LINE, AND THE SILT FENCE SHALL BE LOCATED BETWEEN THE BUFFER AND THE JOB SITE.

22. CLEARING OPERATIONS SHALL BE LIMITED TO ACTIVE WORK AREAS.

23. CARE SHALL BE TAKEN TO PRESERVE AS MUCH EXISTING VEGETATION AS POSSIBLE AND HEALTHY TREES OF DESIRABLE SPECIES SHALL BE PROTECTED.

24. RIP-RAP OUTLET PROTECTION: RIP-RAP SHALL BE PROVIDED AT CULVERT LOCATIONS AS INDICATED ON THESE DRAWINGS. THE RIP-RAP SHALL PROTECT SIDE SLOPES FROM EROSION, AND SHALL BE ESTABLISHED AS THE CULVERT IS INSTALLED.

25. STORM INLET PROTECTION: IMMEDIATELY FOLLOWING COMPLETION OF ANY AND ALL OF THE PROPOSED STORM DRAIN INLETS, STORM DRAIN INLET PROTECTION SHALL BE CONSTRUCTED. THIS PROTECTION SHALL FUNCTION TO PREVENT SEDIMENT ENTRANCE INTO THE STORM DRAINS. PROTECTION SHALL BE MAINTAINED IN GOOD CONDITION UNTIL THE DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.

26. STONE CHECK DAMS SHALL BE PROVIDED AT ALL STORMWATER OUTLETS UNTIL VEGETATION HAS BEEN STABILIZED.

27. RECP (ROLLED EROSION CONTROL PRODUCT) SHALL BE JUTE OR EXCELSIOR MATTING. PROVIDE 4" MIN TOPSOIL AND SEED WITH KENTUCKY BLUEGRASS, CREEPING RED FESCUE AND PERENIAL RYGRASS AT A RATE OF 25, 20 AND 10 LBS PER ACRE RESPECTIVELY.

28. EROSION AND SEDIMENT CONTROL MEASURES SHALL INCLUDE A SWPPP MONITORING PROFESSIONAL AS WELL AS COORDINATION WITH MUNICIPALITY OFFICIALS IN ADDITION TO INSPECTION ROLES OF CONTRACTOR AND/OR SITE CONTRACTOR.

HERSHBERG & HERSHBERG
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18 Locust Street
Albany, New York 12203

STATE OF NEW YORK · DANIEL R. HERSHBERG · 044226 · LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

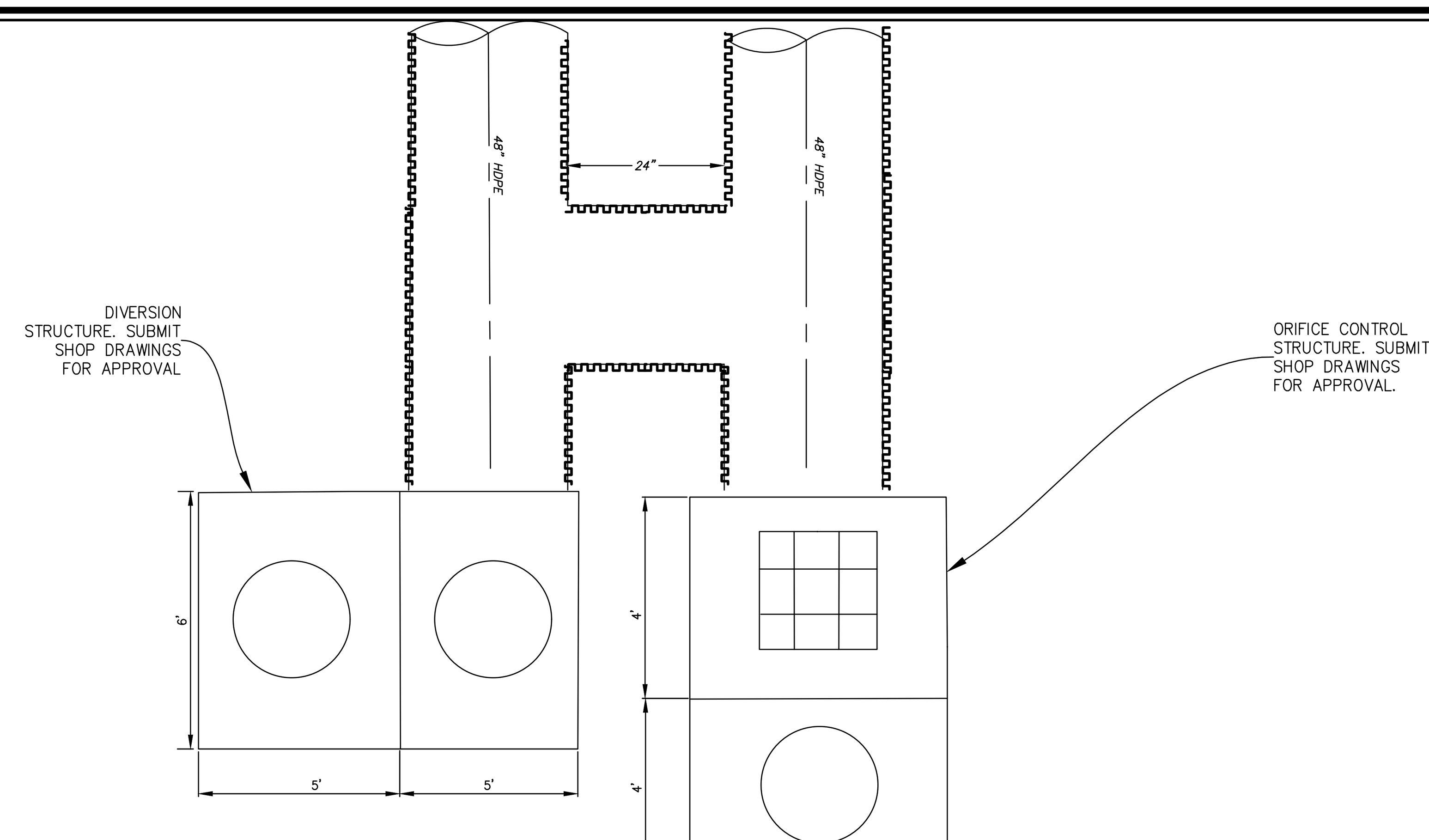
DATE	REMARKS
4/25/18	GENERAL REVISIONS
5/18/18	AWD COMMENT LETTER

REVISIONS

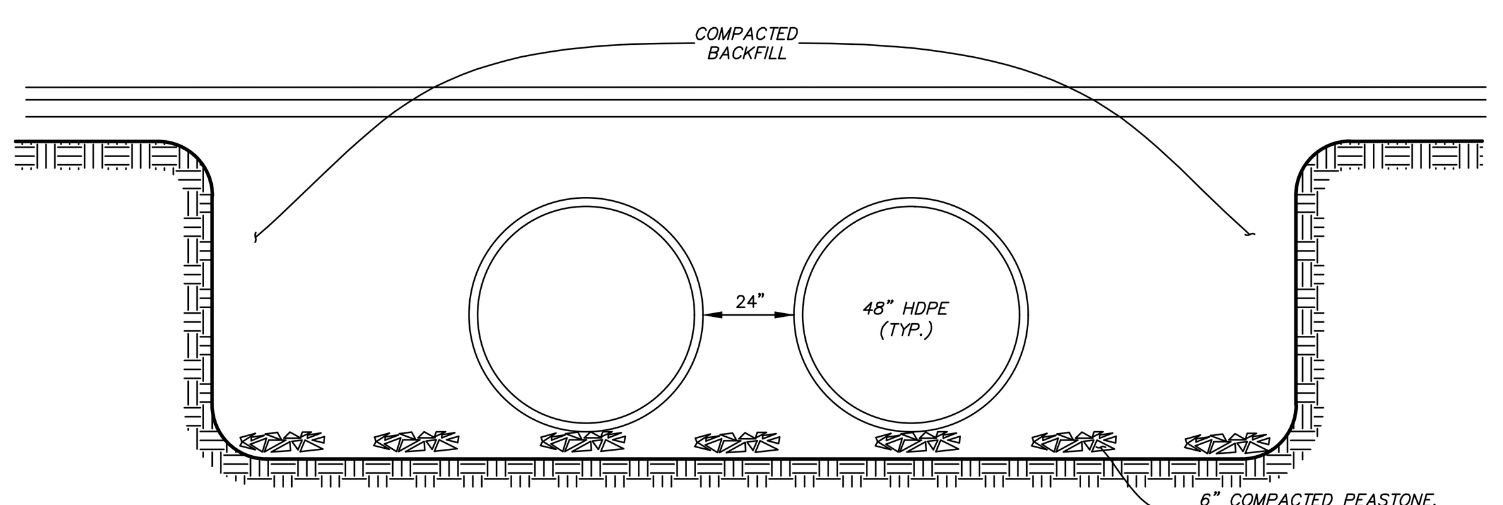
DETAILS
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180062 | SCALE: AS SHOWN | BY: AS | CHK: DRH | DATE: 3/28/18 | 180062-1.DWG

C7



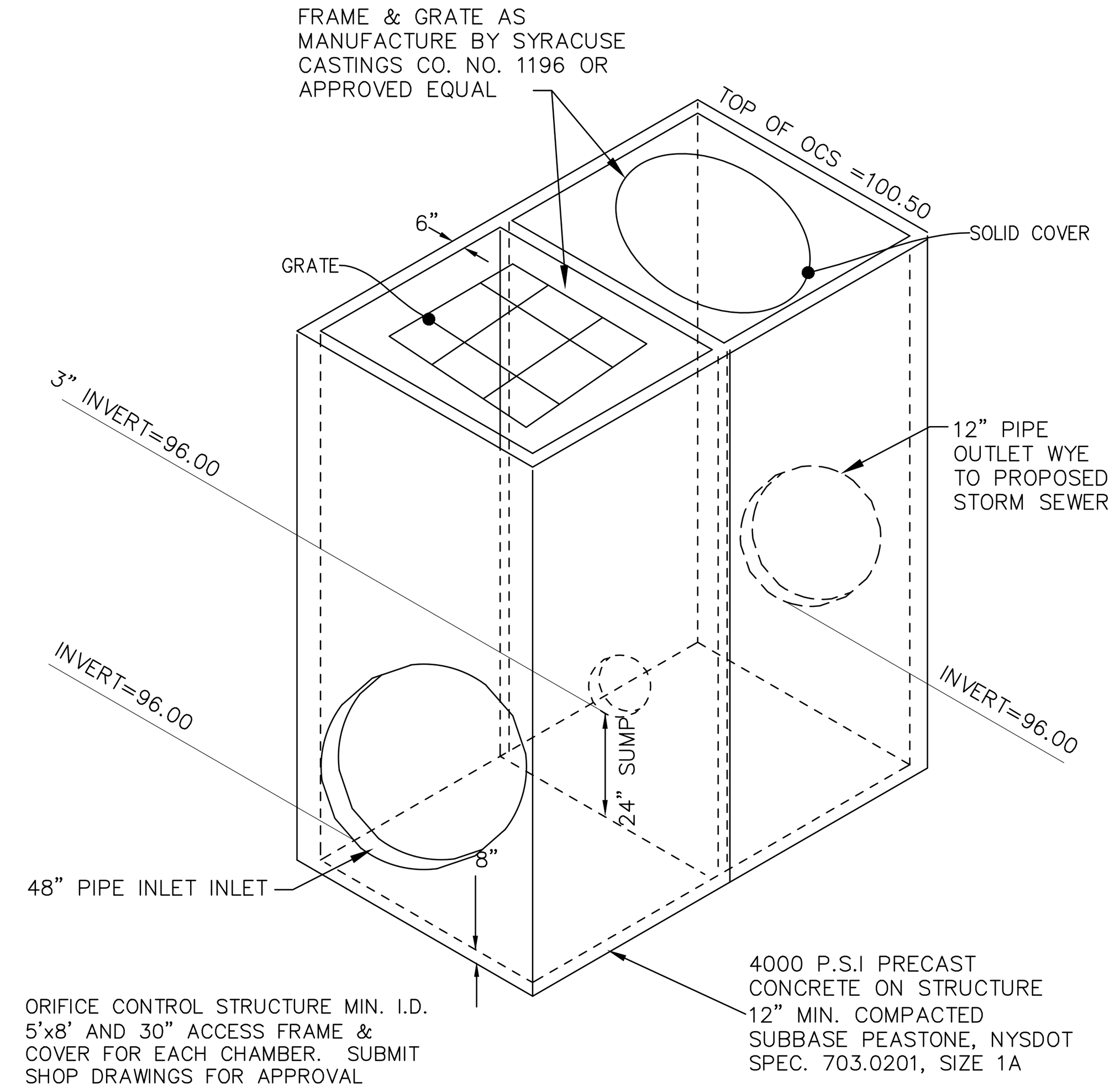
PLAN



PROFILE

1/C8 STORM WATER PIPE STORAGE

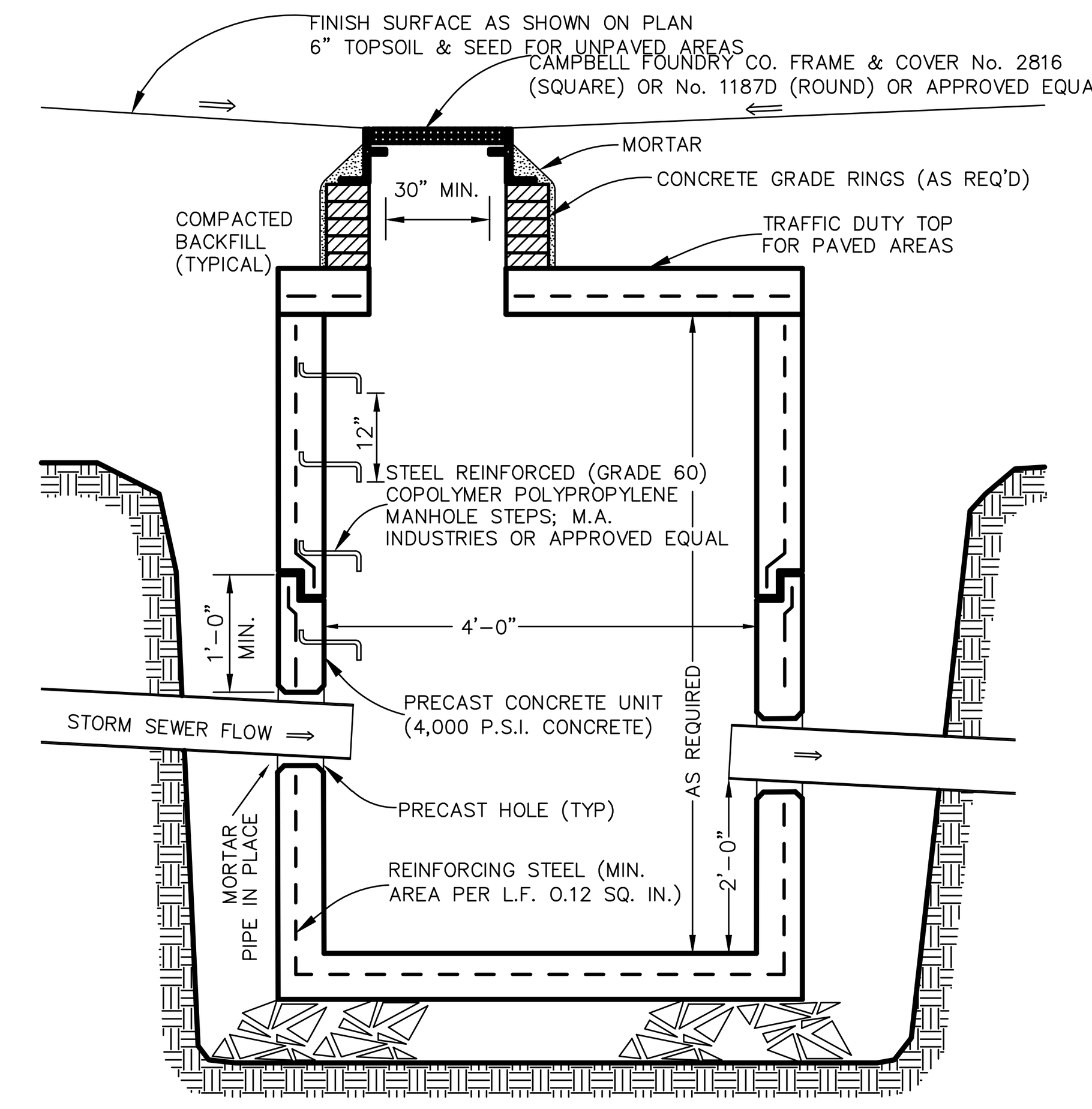
NOT TO SCALE



FRAME & GRATE AS MANUFACTURE BY SYRACUSE CASTINGS CO. NO. 1196 OR APPROVED EQUAL
TOP OF OCS =100.50
6"
GRATE
SOLID COVER
3" INVERT=96.00
12" PIPE OUTLET WYE TO PROPOSED STORM SEWER
INVERT=96.00
INVERT=96.00
24" SUMP
8"
48" PIPE INLET INLET
4000 P.S.I PRECAST CONCRETE ON STRUCTURE 12" MIN. COMPACTED SUBBASE PEASTONE, NYSDOT SPEC. 703.0201, SIZE 1A
ORIFICE CONTROL STRUCTURE MIN. I.D. 5'x8' AND 30" ACCESS FRAME & COVER FOR EACH CHAMBER. SUBMIT SHOP DRAWINGS FOR APPROVAL

2/C8 ORIFICE CONTROL STRUCTURE (OSC2) DETAIL

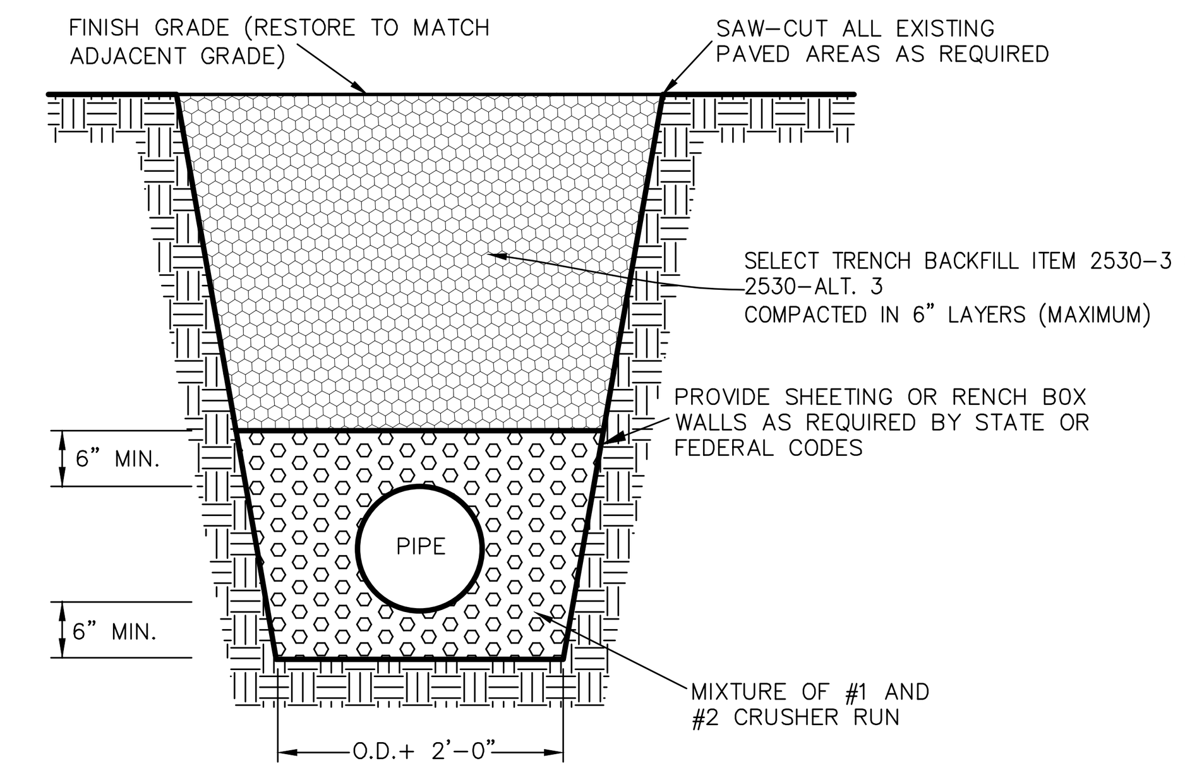
NOT TO SCALE



FINISH SURFACE AS SHOWN ON PLAN 6" TOPSOIL & SEED FOR UNPAVED AREAS
CAMPBELL FOUNDRY CO. FRAME & COVER No. 2816 (SQUARE) OR No. 1187D (ROUND) OR APPROVED EQUAL
MORTAR
CONCRETE GRADE RINGS (AS REQ'D)
30" MIN.
COMPACTED BACKFILL (TYPICAL)
TRAFFIC DUTY TOP FOR PAVED AREAS
12"
STEEL REINFORCED (GRADE 60) COPOLYMER POLYPROPYLENE MANHOLE STEPS; M.A. INDUSTRIES OR APPROVED EQUAL
1'-0" MIN.
4'-0"
STORM SEWER FLOW
PRECAST CONCRETE UNIT (4,000 P.S.I. CONCRETE)
AS REQUIRED
PRECAST HOLE (TYP)
MORTAR PIPE IN PLACE
REINFORCING STEEL (MIN. AREA PER L.F. 0.12 SQ. IN.)
2'-0"

3/C8 CATCH BASIN DETAIL

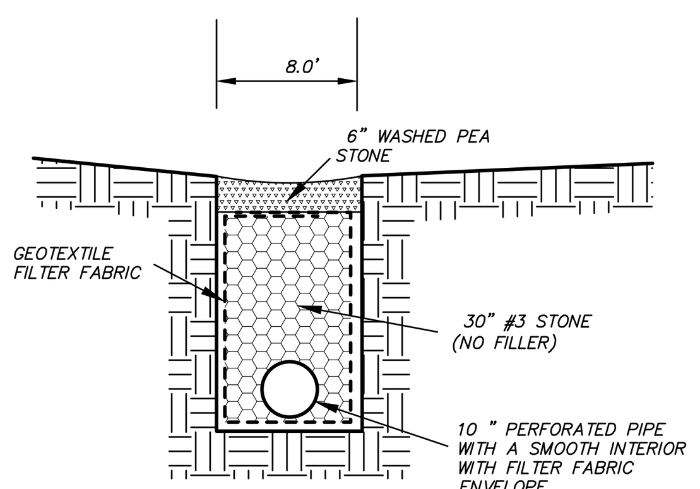
NOT TO SCALE



FINISH GRADE (RESTORE TO MATCH ADJACENT GRADE)
SAW-CUT ALL EXISTING PAVED AREAS AS REQUIRED
SELECT TRENCH BACKFILL ITEM 2530-3 OR 2530-ALT. 3 COMPACTED IN 6" LAYERS (MAXIMUM)
PROVIDE SHEETING OR RENCH BOX WALLS AS REQUIRED BY STATE OR FEDERAL CODES
6" MIN.
PIPE
6" MIN.
MIXTURE OF #1 AND #2 CRUSHER RUN
O.D.+ 2'-0"

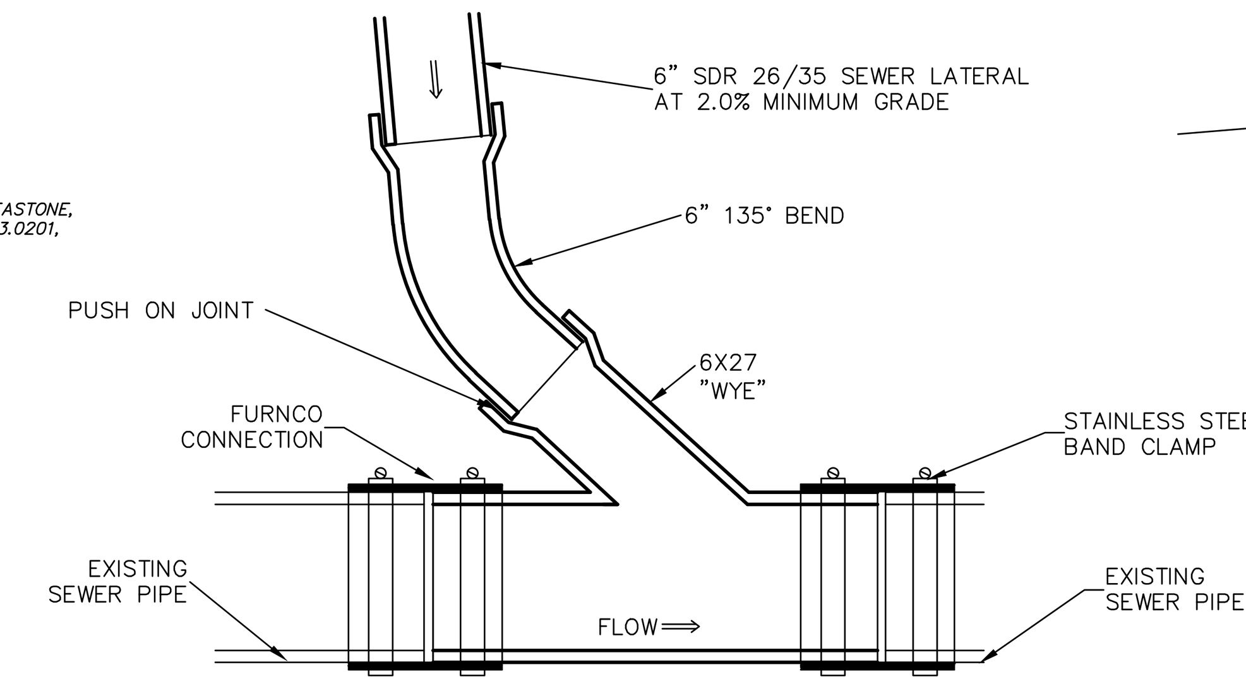
4/C8 TYPICAL SANITARY SEWER & WATER MAIN TRENCH DETAIL

NOT TO SCALE



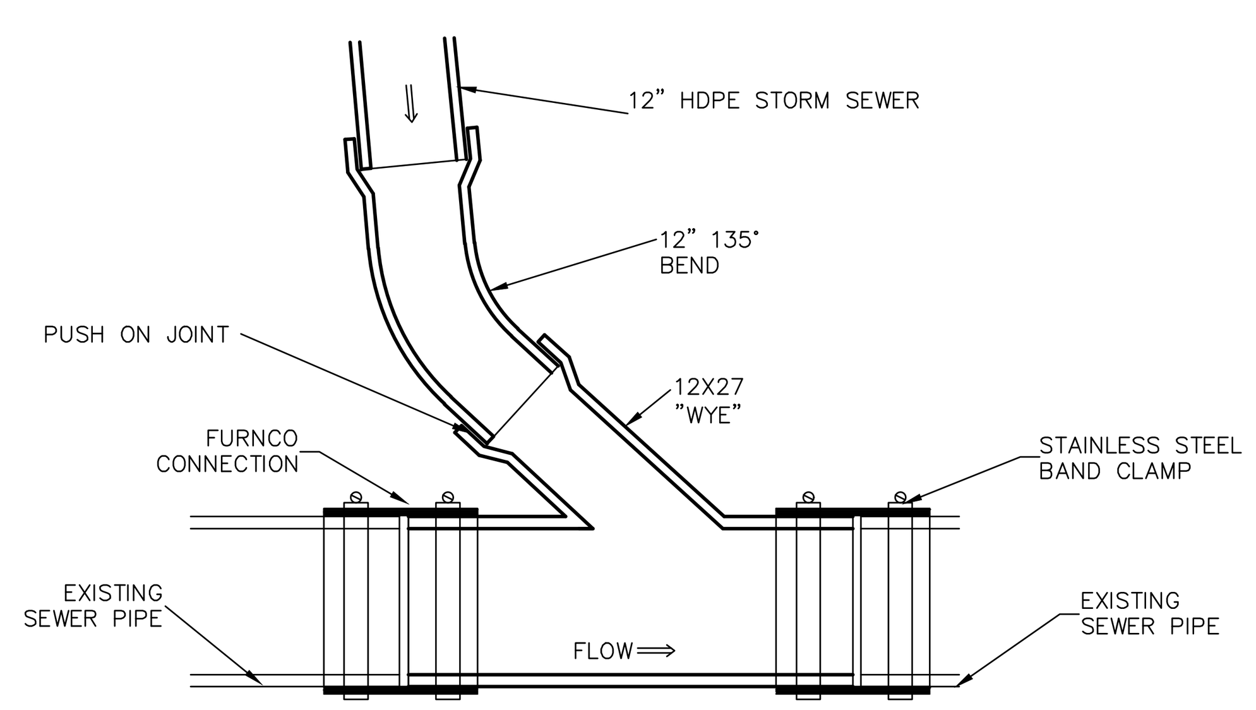
5/C8 DRY SWALE DETAIL

NOT TO SCALE



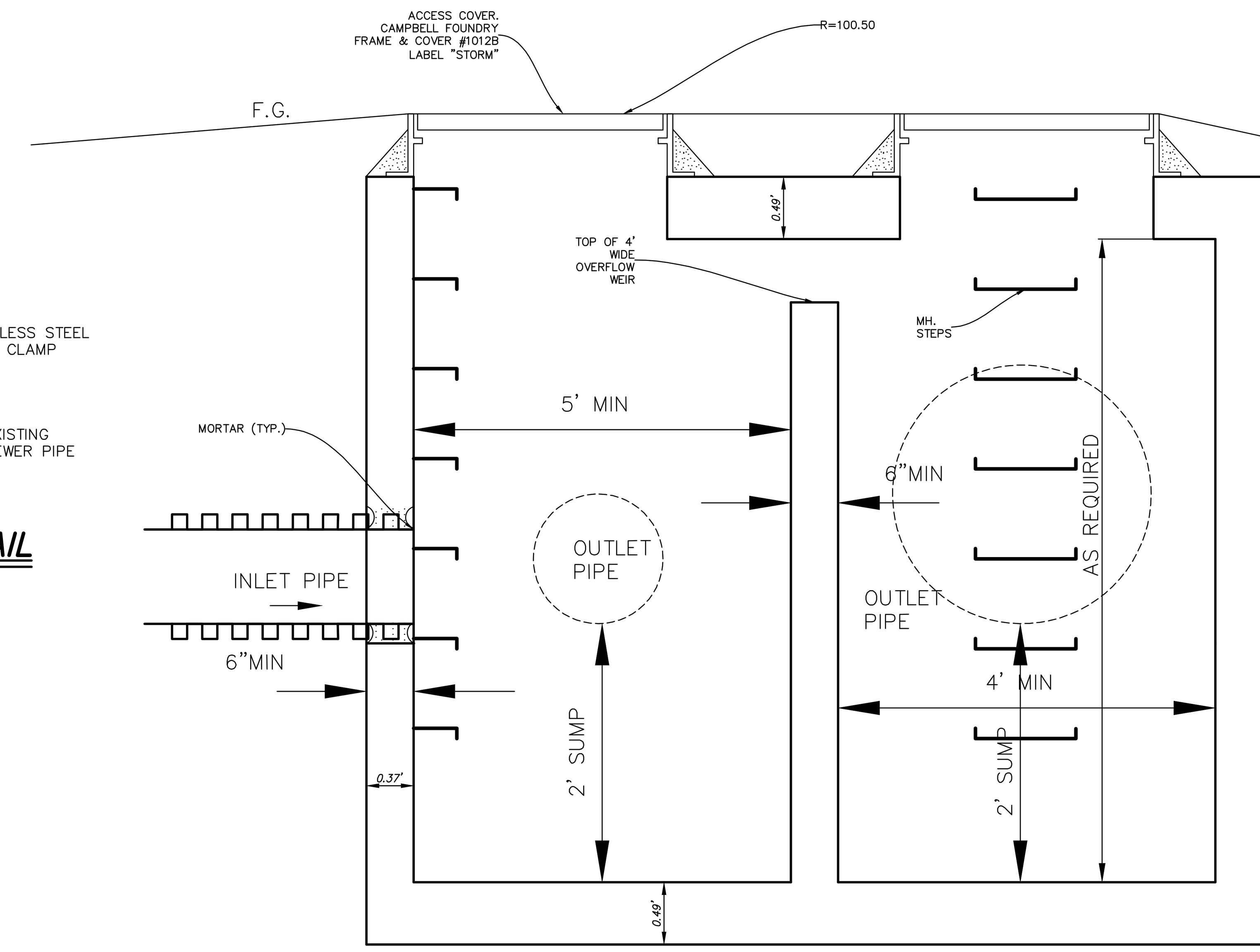
6/C8 PLAN SECTION WYE CONNECTION DETAIL

NOT TO SCALE



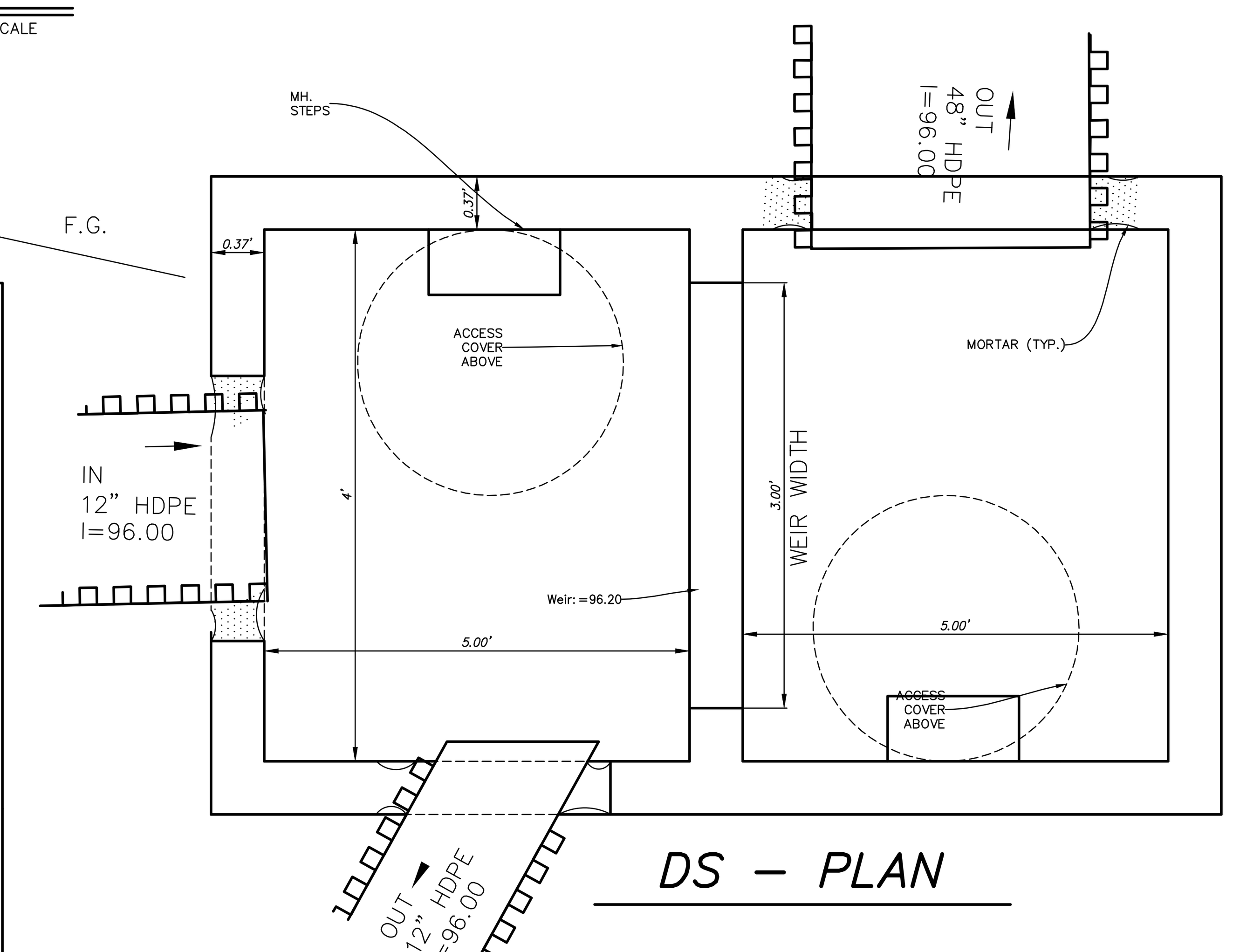
7/C8 PLAN SECTION WYE CONNECTION DETAIL

NOT TO SCALE



4000 P.S.I PRECAST CONCRETE STRUCTURE
CONCRETE STRUCTURE

LONGITUDINAL SECTION

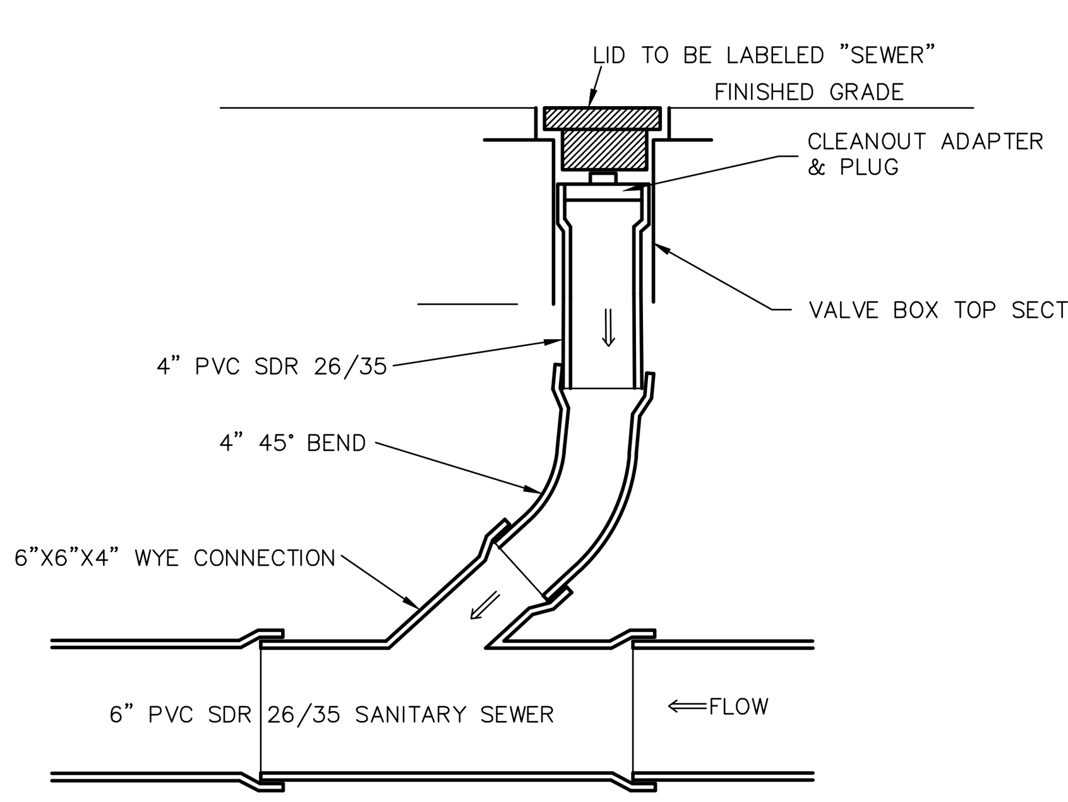


DS - PLAN

NOTE:
1. 4000 P.S.I REINFORCED PRECAST CONCRETE STRUCTURE.
2. STRUCTURE MIN. INSIDE DIMENSIONS 4'X5' AND 30" ACCESS FRAME & COVER FOR EACH CHAMBER. SUBMIT SHOP DRAWINGS INCLUDING REINFORCEMENT FOR APPROVAL
3. MANHOLE STEPS; M.A. INDUSTRIES OR APPROVED EQUAL STEEL REINFORCED (GRADE 60) COPOLYMER POLYPROPYLENE

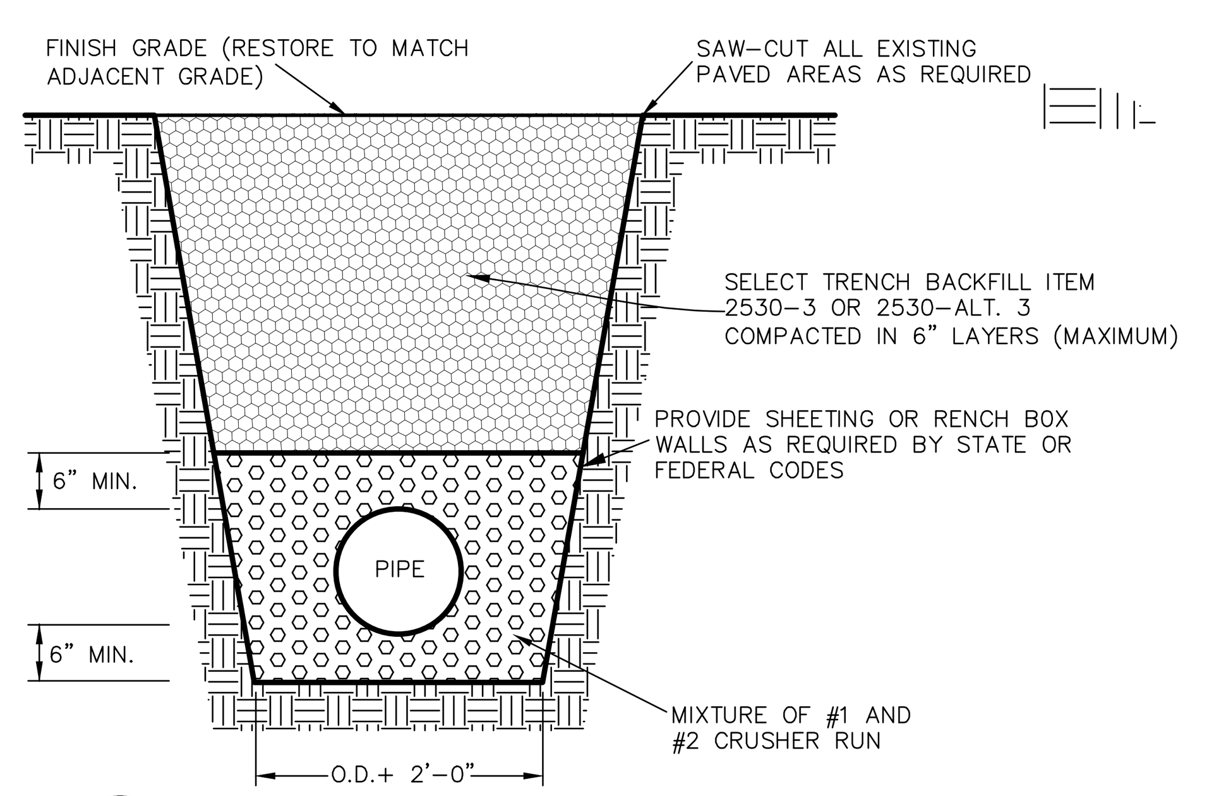
10/C8 DIVERSION STRUCTURE (DS) DETAIL

NOT TO SCALE



8/C8 IN LINE CLEANOUT DETAIL

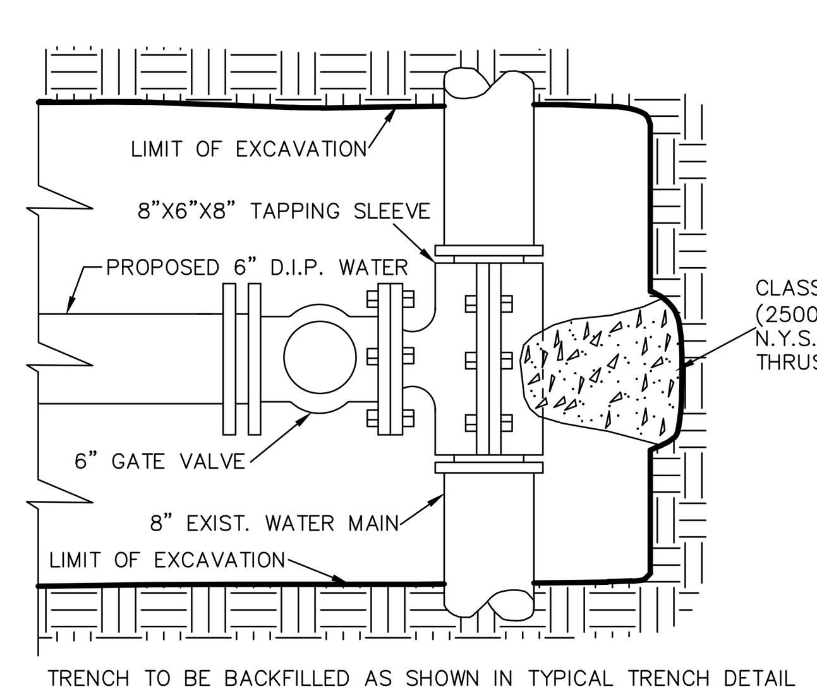
NOT TO SCALE



FINISH GRADE (RESTORE TO MATCH ADJACENT GRADE)
SAW-CUT ALL EXISTING PAVED AREAS AS REQUIRED
SELECT TRENCH BACKFILL ITEM 2530-3 OR 2530-ALT. 3 COMPACTED IN 6" LAYERS (MAXIMUM)
PROVIDE SHEETING OR RENCH BOX WALLS AS REQUIRED BY STATE OR FEDERAL CODES
6" MIN.
PIPE
6" MIN.
MIXTURE OF #1 AND #2 CRUSHER RUN
O.D.+ 2'-0"

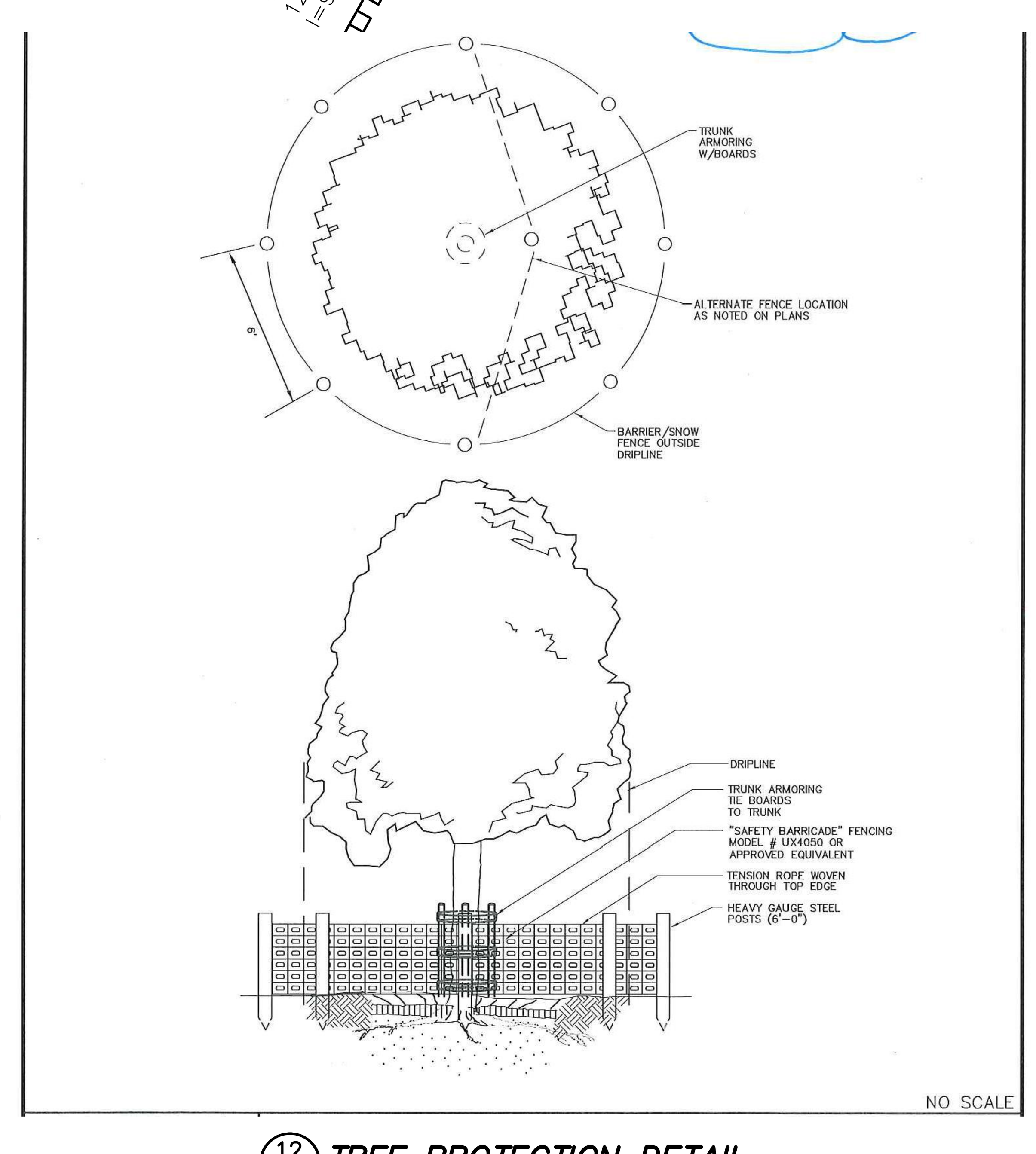
9/C8 TYPICAL SANITARY SEWER TRENCH DETAIL

NOT TO SCALE



11/C8 TAPPING VALVE & SLEEVE DETAIL

NOT TO SCALE



TRUNK ARMORING W/BOARDS
ALTERNATE FENCE LOCATION AS NOTED ON PLANS
6'
BARRIER/SNOW FENCE OUTSIDE DRIPLINE
DRIPLINE
TRUNK ARMORING TIE BOARDS TO TRUNK
"SAFETY BARRICADE" FENCING MODEL # UX4050 OR APPROVED EQUIVALENT
TENSION ROPE WOVEN THROUGH TOP EDGE
HEAVY GAUGE STEEL POSTS (6'-0")
NO SCALE

12/C8 TREE PROTECTION DETAIL

NOT TO SCALE

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

STATE OF NEW YORK · DANIEL R. HERSHBERG · 044226 · LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

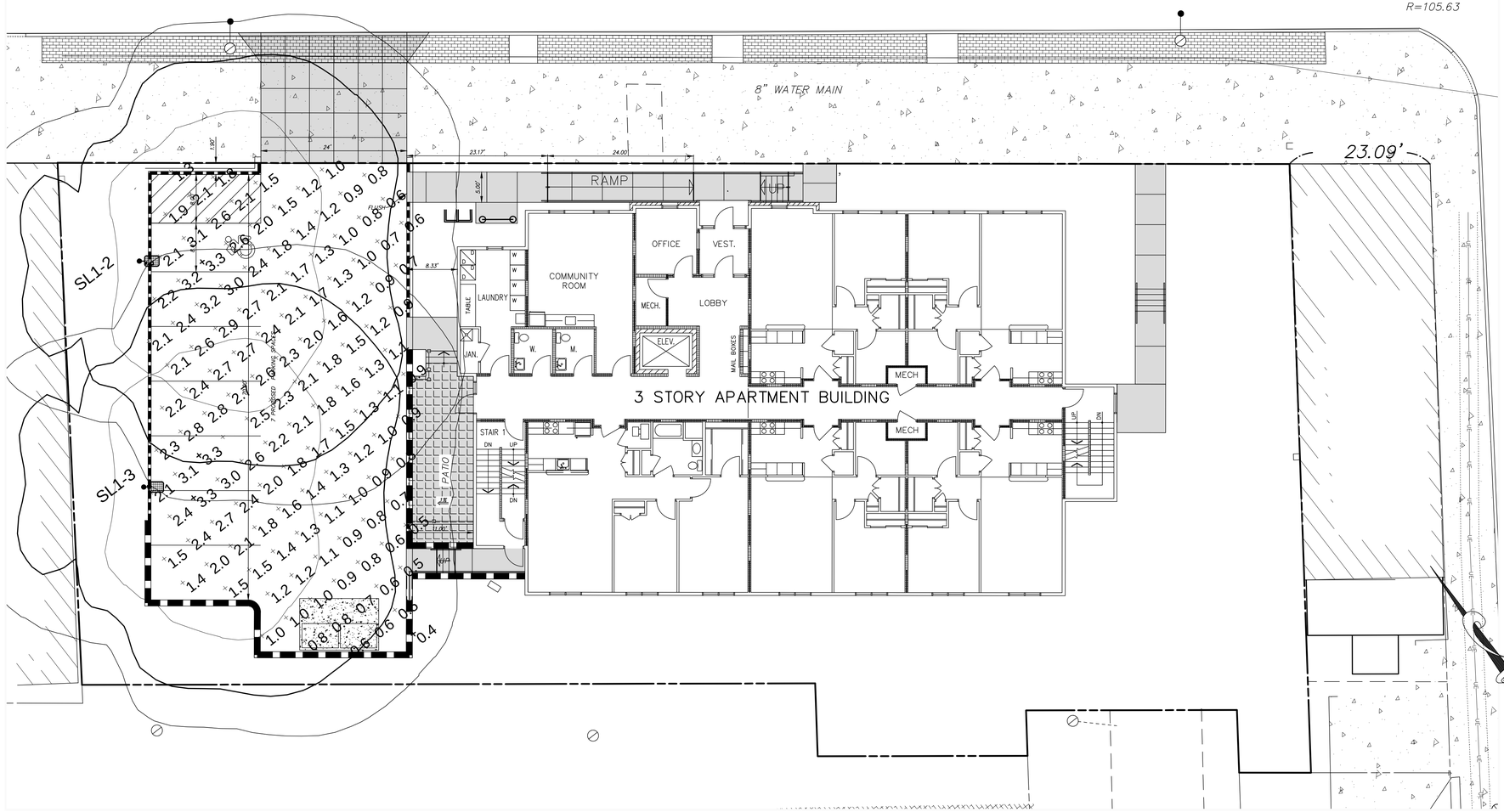
DATE	REMARKS
4/25/18	GENERAL REVISIONS
5/18/18	AWD COMMENT LETTER

REVISIONS

DETAILS
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

180062-1.DWG
DATE: 3/28/18
CHK: DRH
BY: AS
SCALE: AS SHOWN
FILE: 180062

C8



PROPOSED

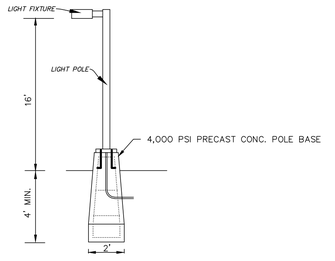
- EXISTING WATER VALVE
- EXISTING POLE WITH LIGHT
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING WATER MAIN
- EXISTING HYDRANT
- EXISTING SANITARY SEWER MAIN
- EXISTING STORM SEWER MAIN
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- WATER SHUT OFF
- FENCE LINE
- EXISTING PAVEMENT
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED WATER MAIN
- PROPOSED HYDRANT
- PROPOSED SEWER MAIN
- PROPOSED STORM SEWER
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED SIDEWALK AND HANDICAPPED RAMP DETECTABLE SURFACE
- PAVEMENT MARKINGS: HANDICAPPED PARKING, STOP BAR, PROPOSED PAVEMENT, TRAFFIC FLOW MARKING
- LIMIT OF CLEARING
- EXIST. TREE LINE
- PROPOSED CURB
- PROPOSED LIGHT POLE
- RETAINING WALL WITH GUIDE RAIL OR FALL PREVENTION FENCE AS NOTED ON THE DRAWING
- ADA RAMP
- DETECTABLE SURFACE
- 1/C5 DETAIL/SHEET NUMBER
- SPLASH PAD

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	SL1	2	Lithonia Lighting	DSX0 LED 20C 700 40K TFTM MVOLT	DSX0 LED with 20 LEDs @700 mA, 4000K, Type Forward Throw Medium Optics	LED	1	DSX0_LED_20C_700_40K_TFTM_MVOLT.ies	5640	0.9	45



LIGHT POLE DETAIL
NOT TO SCALE

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044226

REMARKS	DATE
GENERAL REVISIONS	4/25/18
AMD COMMENT LETTER	5/18/18

REVISIONS

LIGHTING PLAN
104 CLINTON AVENUE APARTMENTS
ALBANY, NY

FILE: 180062
SCALE: AS SHOWN
CHK: DRH
DATE: 3/29/18
180062-1.DWG

C9