

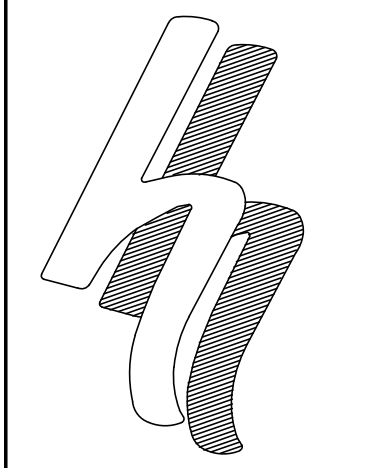
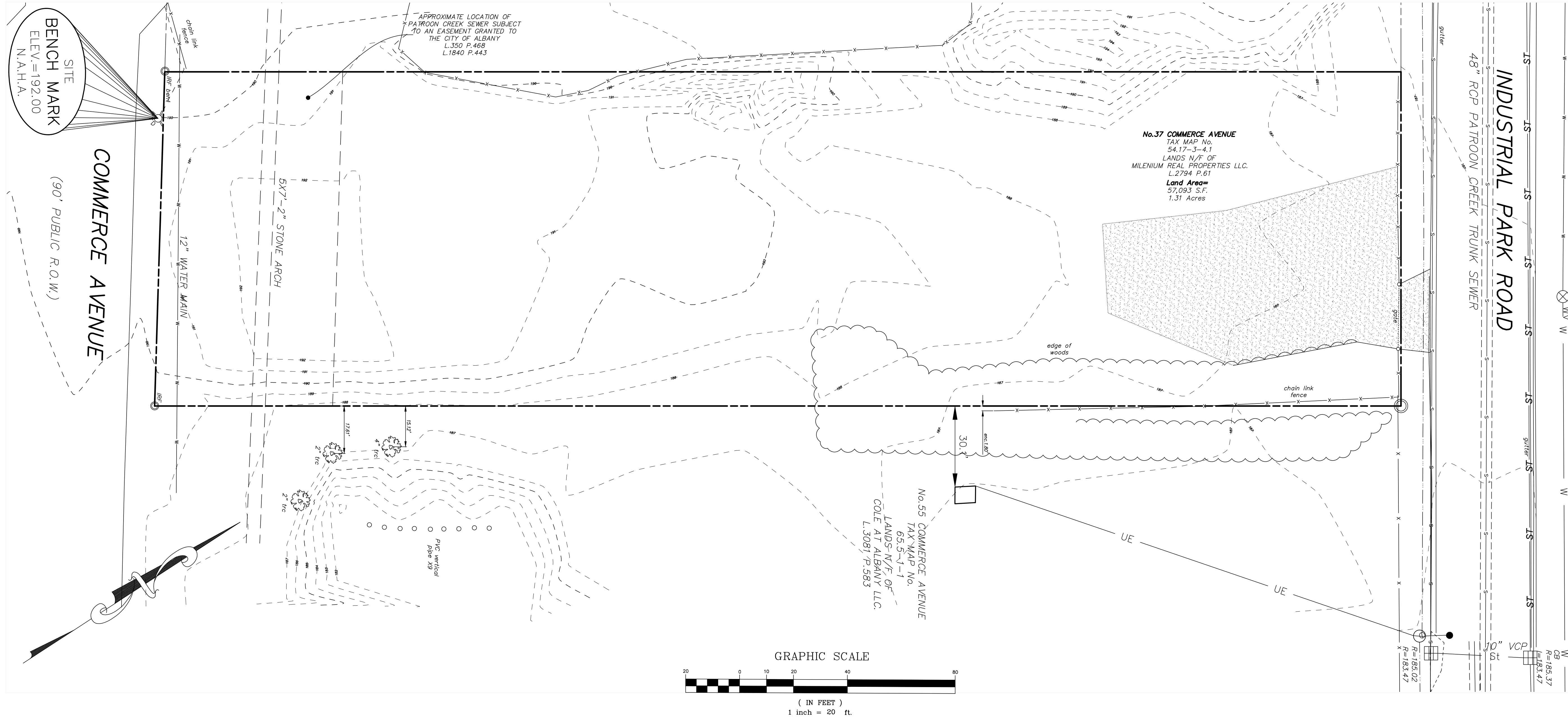
VICINITY MAP
MAP NOT TO SCALE

LEGEND

R.O.W.	RIGHT OF WAY		IRON ROD
No.	NUMBER		MANHOLE
enc.	ENCROACHMENT		CATCHBASIN
P.O.B.	POINT OF BEGINNING		FENCE LINE
S.F.	SQUARE FEET		OVERHEAD WIRE, UTILITY POLE & GUY WIRE
N/F	NOW OR FORMERLY		HYDRANT
Ft.	FEET		STONE
Deg.	DEGREE		PAVEMENT
R	RECORD		TREE
M	MEASURED		LIBER
N	NORTH		PAGE
S	SOUTH		STORM LINE
E	EAST		SEWER LINE
W	WEST		
N.A.H.A.	NUT AT HEAD OF ARROW		

NOTES

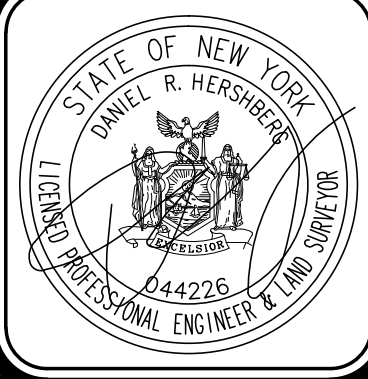
1. THE CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FROM THE DEPARTMENT OF GENERAL SERVICES FOR ANY WORK WITHIN THE CITY'S ROW. CONTACT GARY BOHL AT 518-462-3529
2. A GRADING PERMIT IS REQUIRED. CONTRACTOR TO CONTACT PATRICK MCCUTCHEON, ENGINEERING DEPARTMENT (518-434-2387) FOR APPLICATION AND REVIEW.



HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors

18 Locust Street
Albany, New York 12203

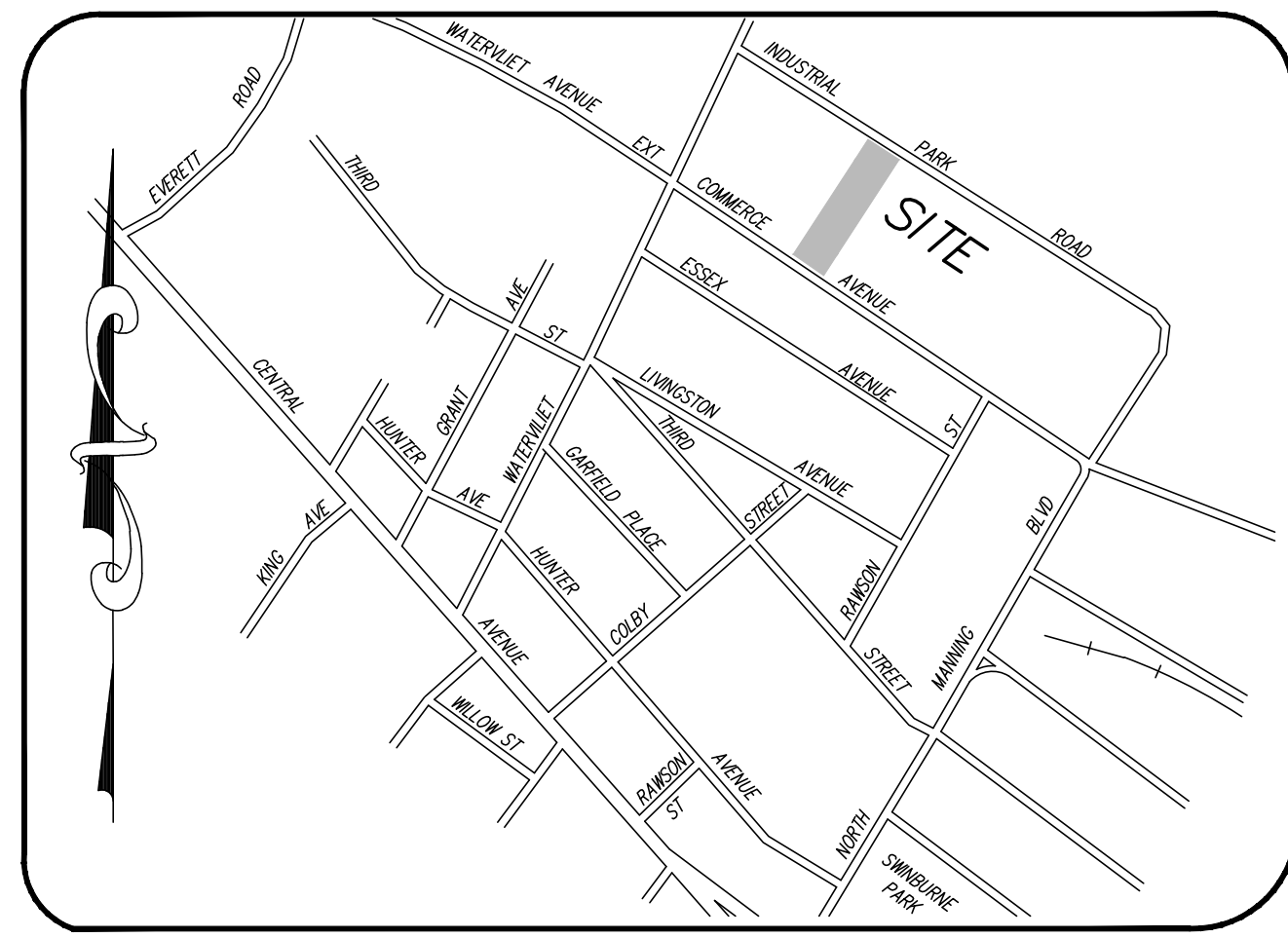
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DATE	REMARKS	REVISIONS
10/24/19		

**EXISTING CONDITIONS
PROPOSED PAVED STORAGE AREA**
37 COMMERCE AVENUE
CITY OF ALBANY, NEW YORK STATE, ALBANY COUNTY

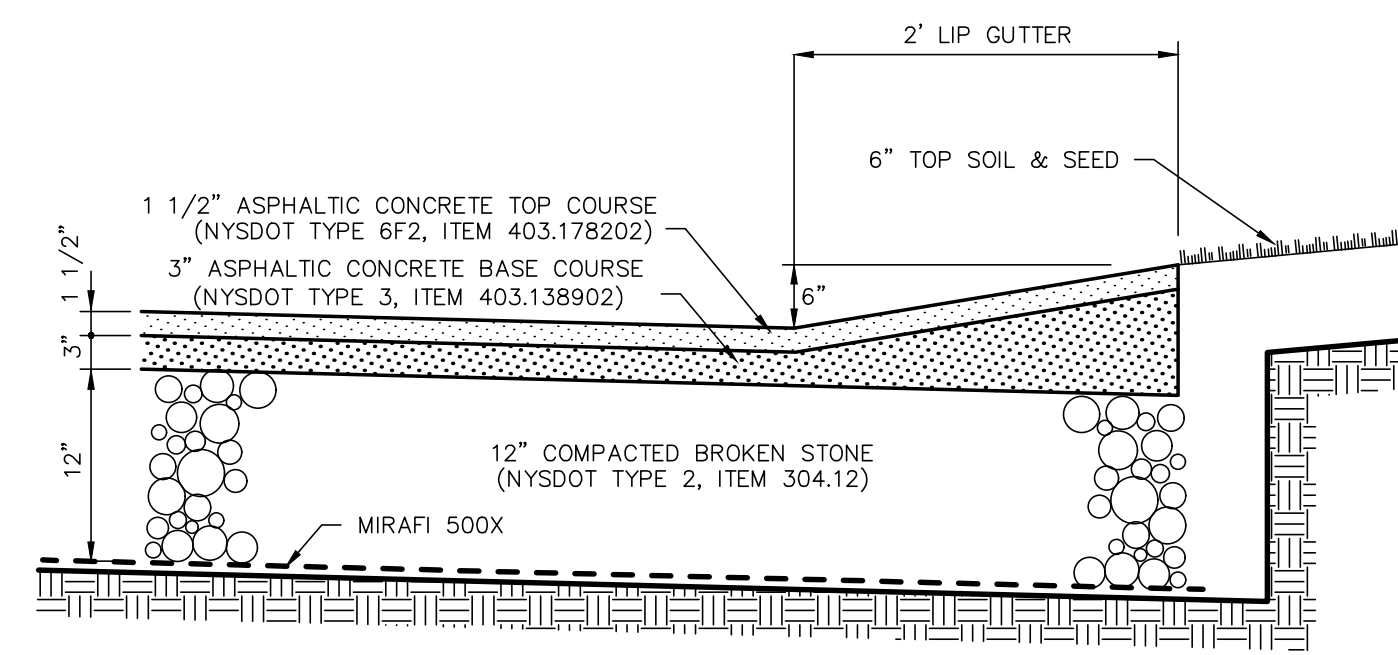
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VICINITY MAP
MAP NOT TO SCALE

LEGEND

- | | | |
|----------|---------------------------|--|
| R.O.W. | RIGHT OF WAY | IRON ROD |
| No. | NUMBER | MH MANHOLE |
| enc. | ENCROACHMENT | CATCHBASIN |
| P.O.B. | POINT OF BEGINNING | FENCE LINE |
| S.F. | SQUARE FEET | OVERHEAD WIRE, UTILITY POLE & GUY WIRE |
| N/F | NOW OR FORMERLY | HYDRANT |
| Ft. | FEET | STONE |
| Deg. | DEGREE | PAVEMENT |
| R | RECORD | TREE |
| M | MEASURED | L. LIBER |
| N | NORTH | P. PAGE |
| S | SOUTH | STORM LINE |
| E | EAST | SEWER LINE |
| W | WEST | |
| N.A.H.A. | NUT AT HEAD OF ARROW | |
| | PROPOSED STORM SEWER | |
| | PROPOSED CHAIN LINK FENCE | |
| | PROPOSED CHECK DAM | |
| | PROPOSED CLEARING LIMITS | |



PAVEMENT & LIP GUTTER DETAIL
NOT TO SCALE

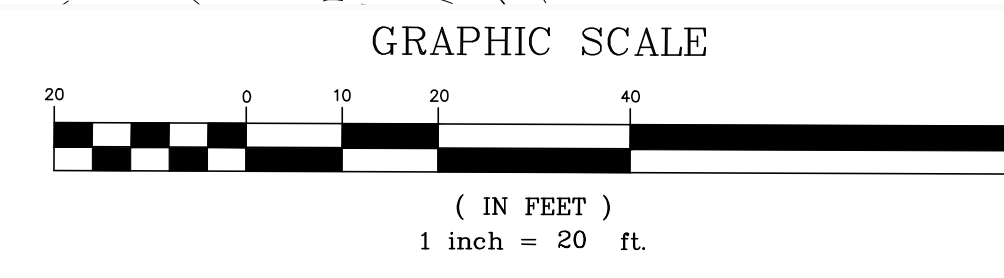
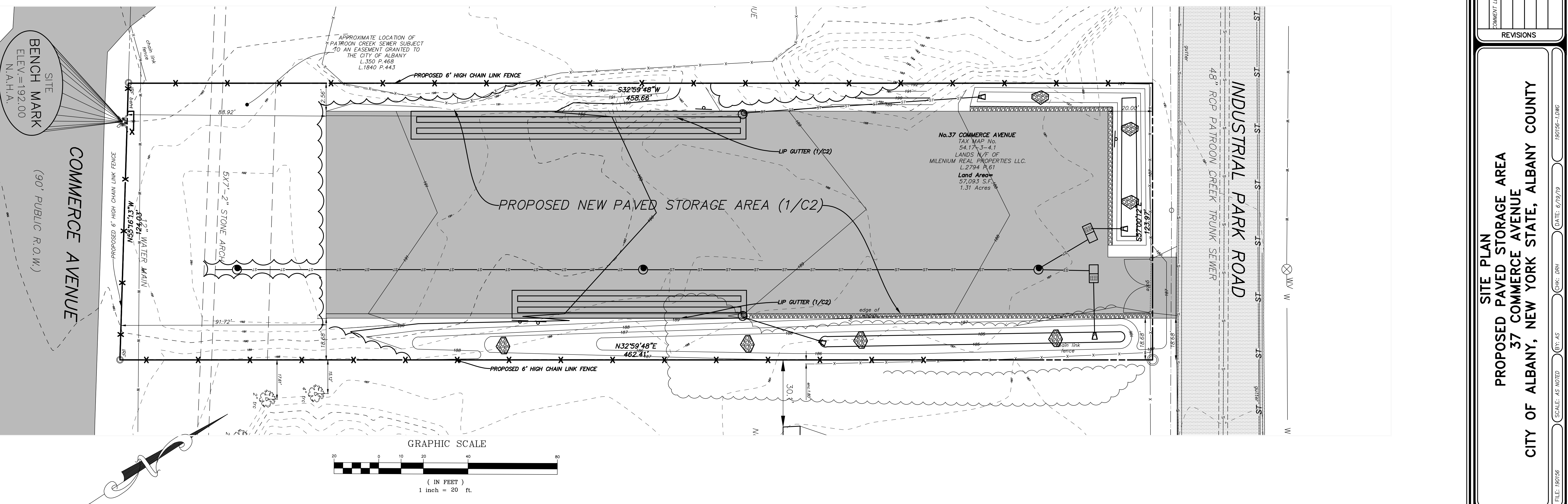
EXISTING SITE COVERAGE STATISTICS			
description	s.f.	acres	%
gross site area	57,093	1.31	100.00
impervious area	6,198	0.14	10.68
pervious area	50,895	1.17	89.32

PROPOSED SITE COVERAGE STATISTICS			
description	s.f.	acres	%
gross site area	57,093	1.31	100.00
impervious area	33,007	0.76	58.01
pervious area	24,086	0.55	41.99

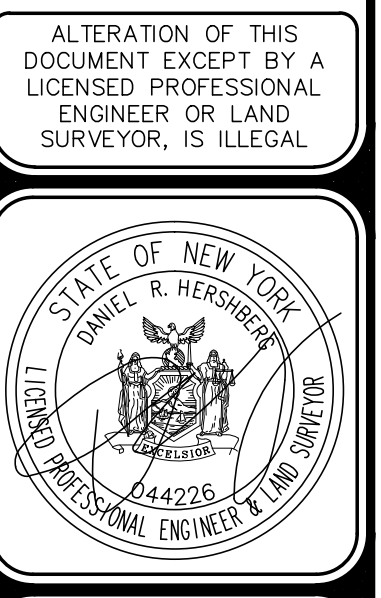
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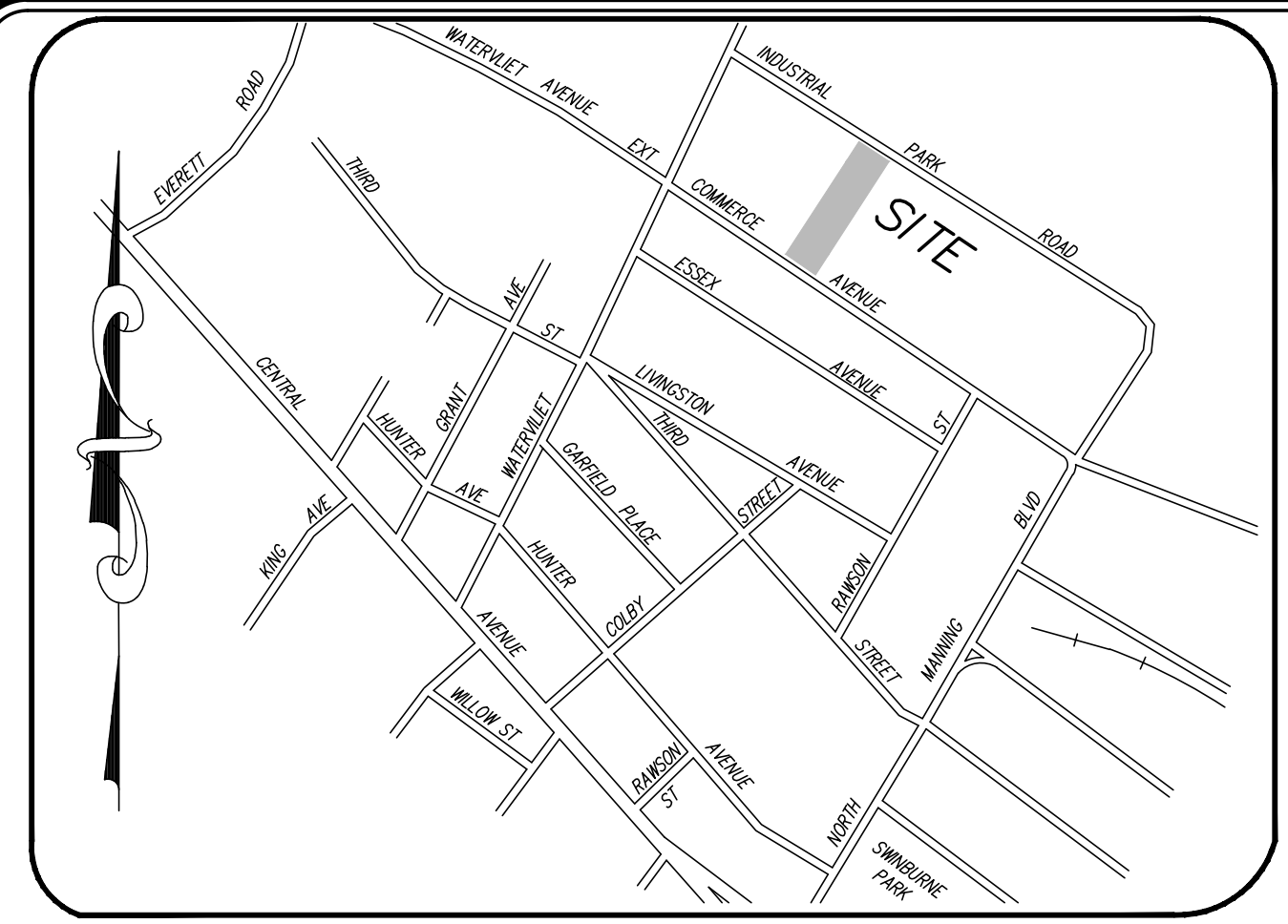
- THE CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FROM THE DEPARTMENT OF GENERAL SERVICES FOR ANY WORK WITHIN THE CITY'S ROW. CONTACT GARY BOHL AT 598-462-3529
- A GRADING PERMIT IS REQUIRED. CONTRACTOR TO CONTACT PATRICK MCCUTCHEON, ENGINEERING DEPARTMENT (598-434-2387) FOR APPLICATION AND REVIEW.
- CONTRACTOR MUST REMOVE FOLIAGE ON INDUSTRIAL PARK ROAD TO IMPROVE SIGHT DISTANCE FOR EXITING VEHICLES.

DATE	REVISIONS
10/24/19	



SITE PLAN
PROPOSED PAVED STORAGE AREA
37 COMMERCE AVENUE
CITY OF ALBANY, NEW YORK STATE, ALBANY COUNTY



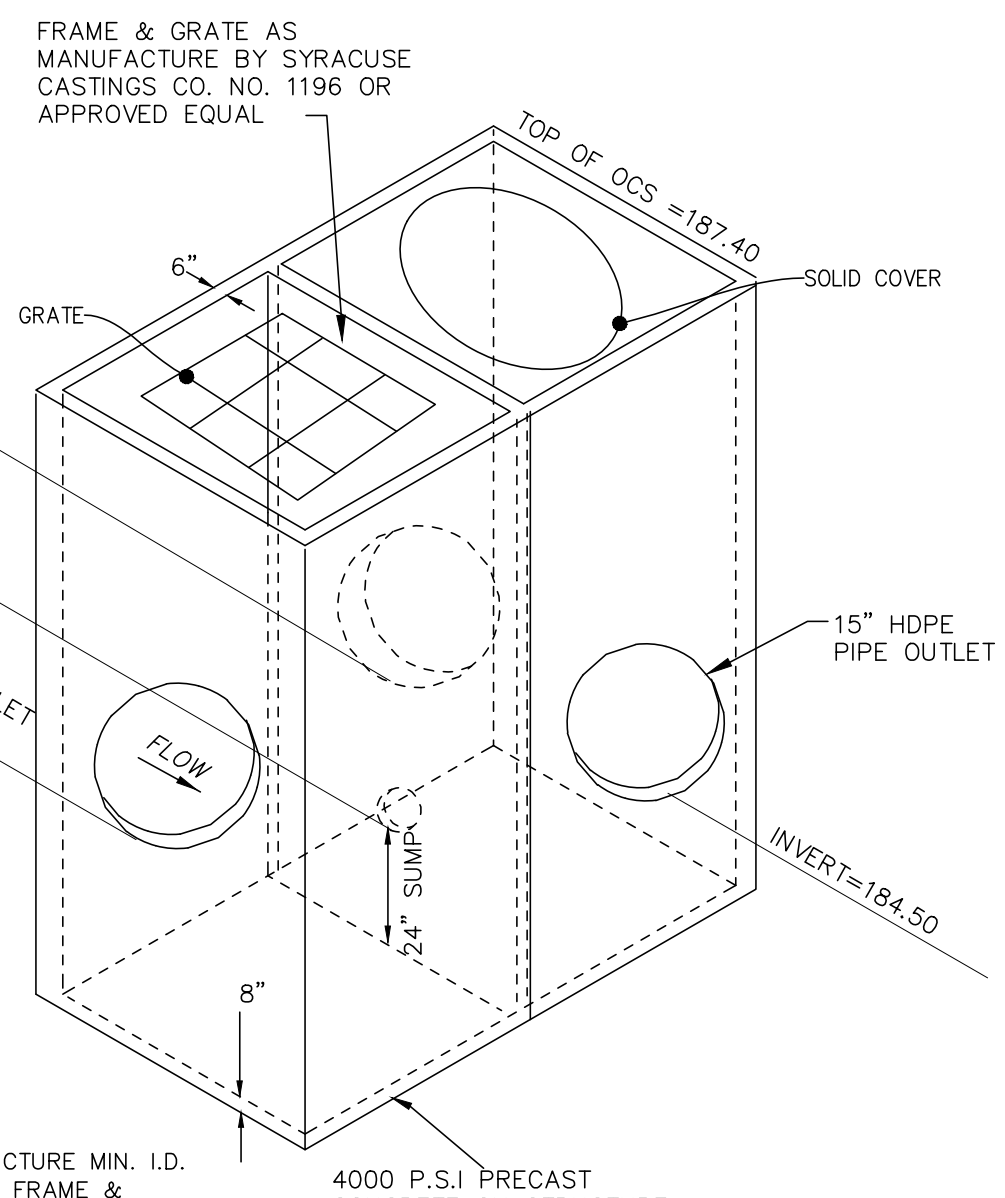


VICINITY MAP

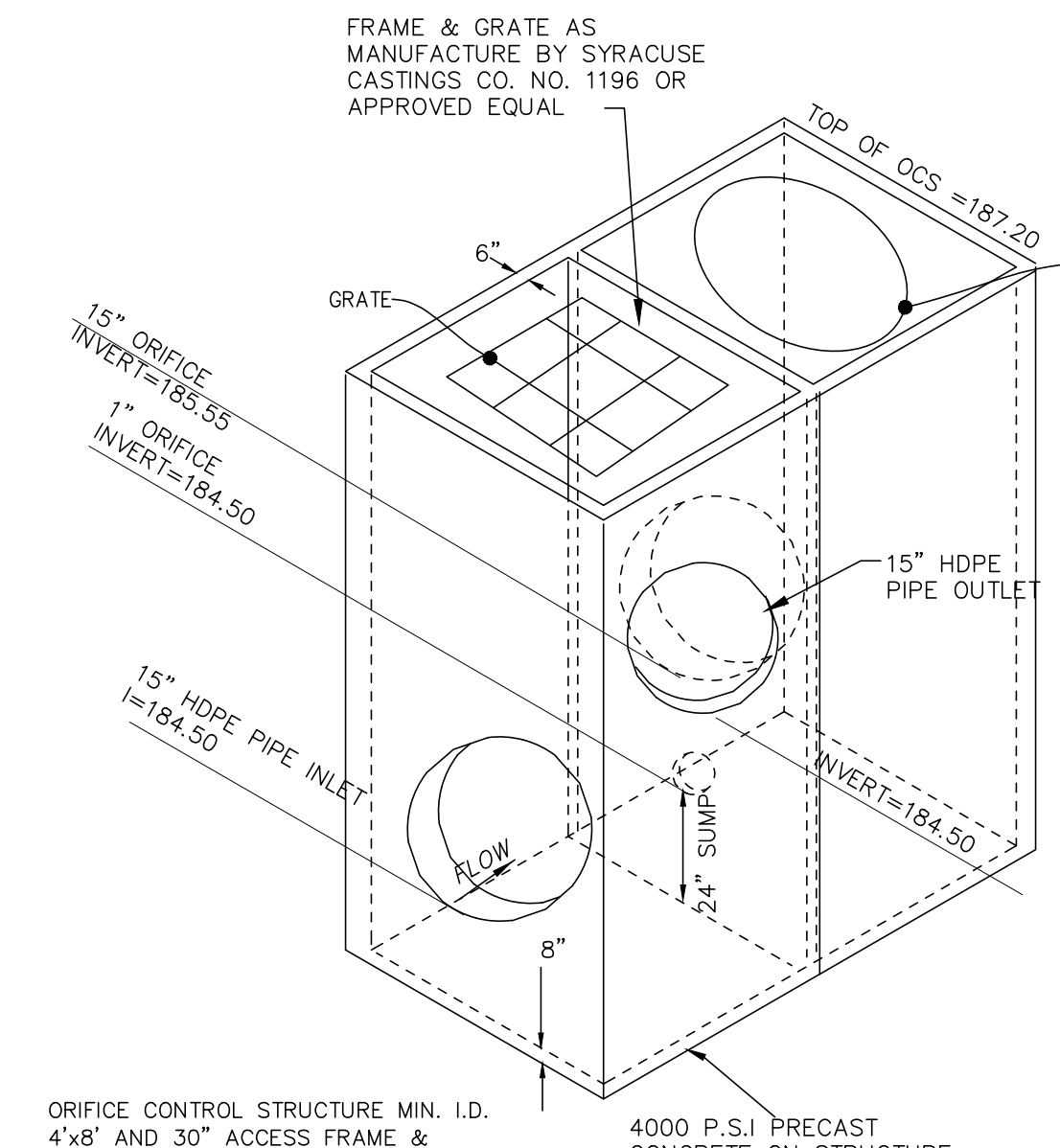
MAP NOT TO SCALE

LEGEND

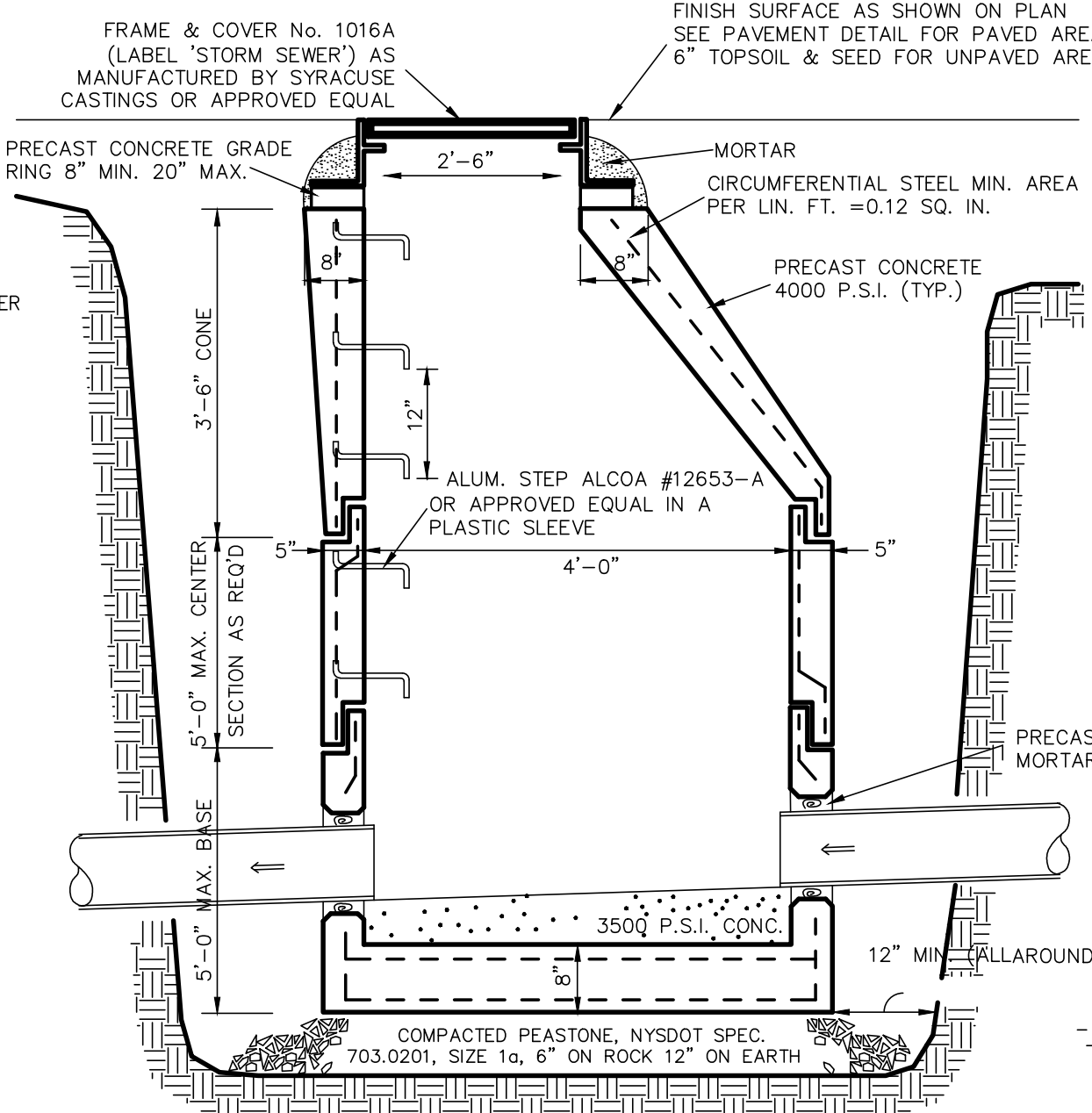
R.O.W.	RIGHT OF WAY	IRON ROD
No.	NUMBER	MH
enc.	ENCROACHMENT	MANHOLE
P.O.B.	POINT OF BEGINNING	CATCHBASIN
S.F.	SQUARE FEET	FENCE LINE
N/F	NOW OR FORMERLY	OVERHEAD WIRE, UTILITY POLE & GUY WIRE
Fl.	FEET	HYDRANT
Deg.	DEGREE	STONE
R	RECORD	PAVEMENT
M	MEASURED	TREE
N	NORTH	LIBER
S	SOUTH	P.
E	EAST	PAGE
W	WEST	STORM LINE
N.A.H.A.	NUT AT HEAD OF ARROW	SEWER LINE
— 57 — 57 —	PROPOSED STORM SEWER	— 100 — 100 —
— X —	PROPOSED CHAIN LINK FENCE	PROPOSED MANHOLE
— [] —	PROPOSED CHECK DAM	TEST PIT LOCATION
— [] —	PROPOSED CLEARING LIMITS	PROPOSED ORIFICE CONTROL STRUCTURE



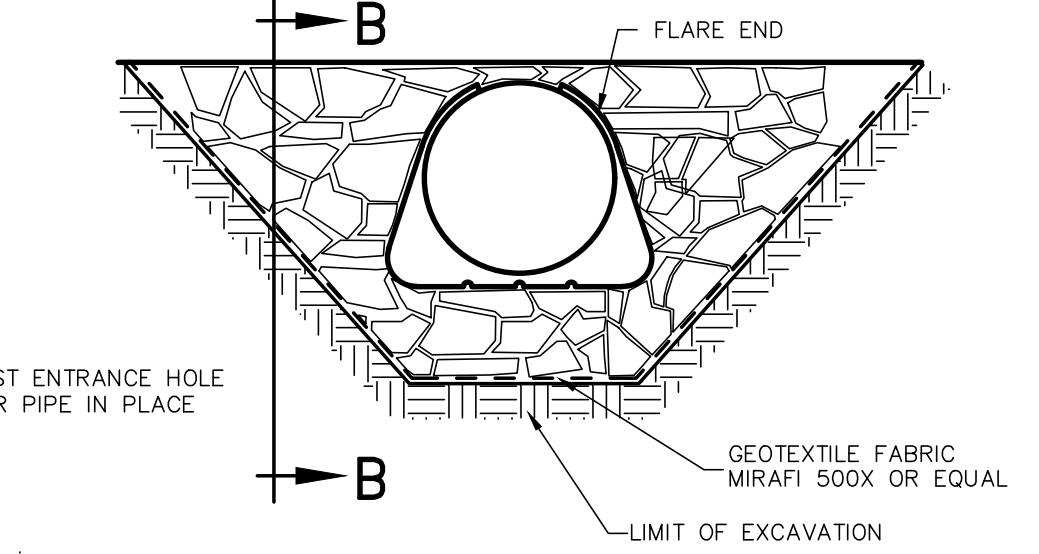
1 OSC1 ORIFICE CONTROL STRUCTURE 1 (OSC1) DETAIL NOT TO SCALE



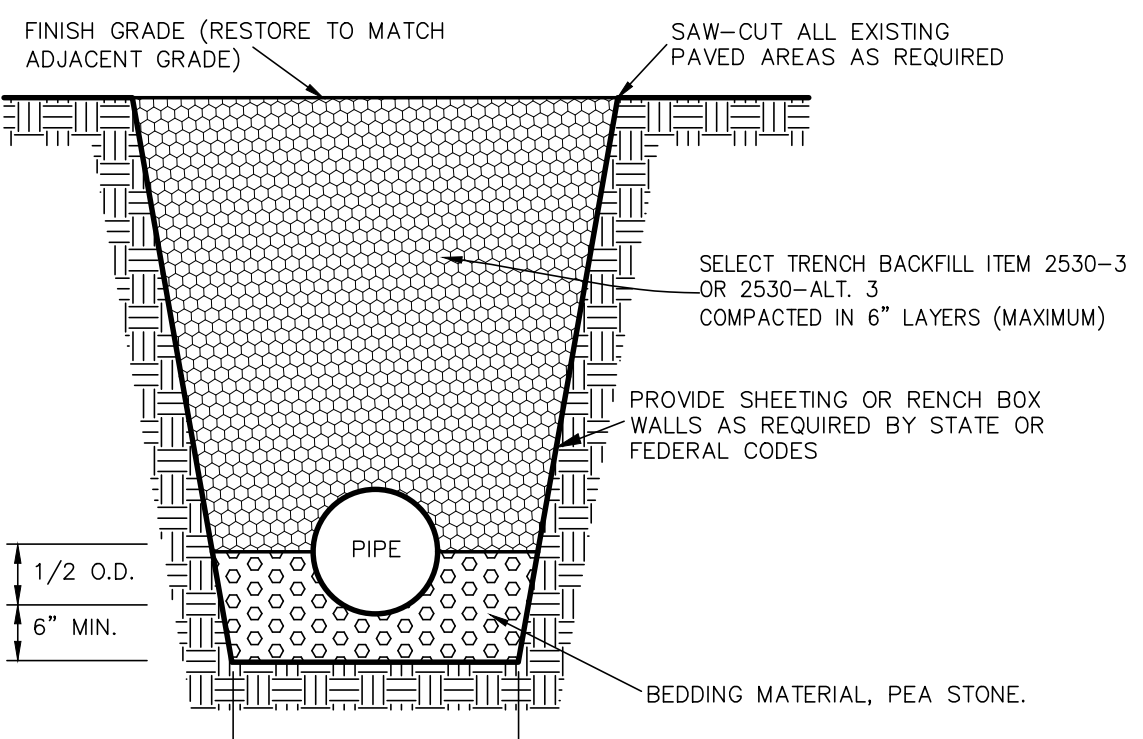
2 OSC2 ORIFICE CONTROL STRUCTURE 2 (OSC2) DETAIL NOT TO SCALE



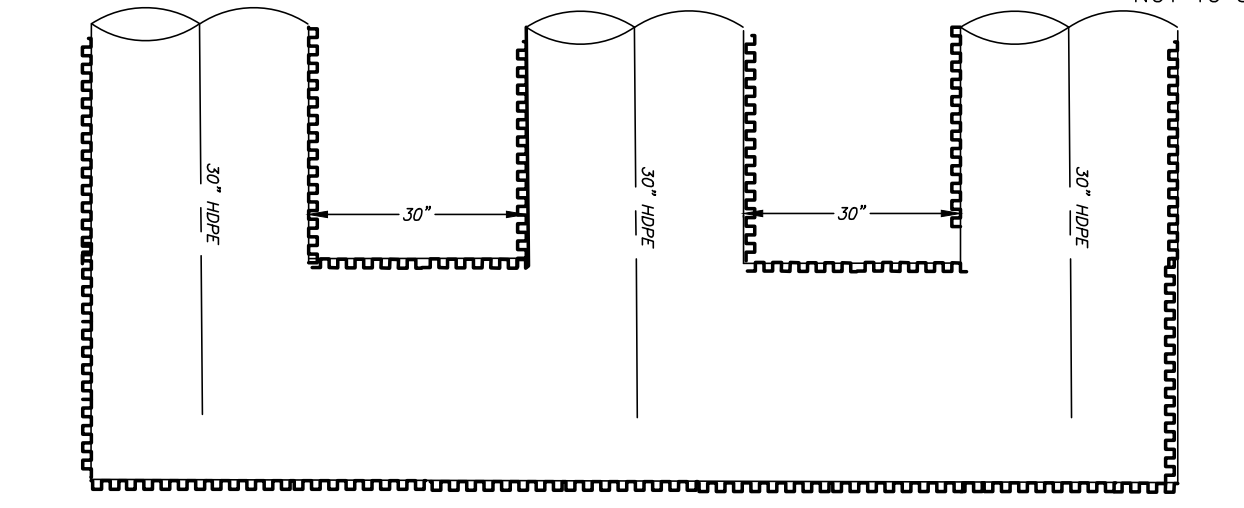
3 STORM SEWER MANHOLE DETAIL NOT TO SCALE



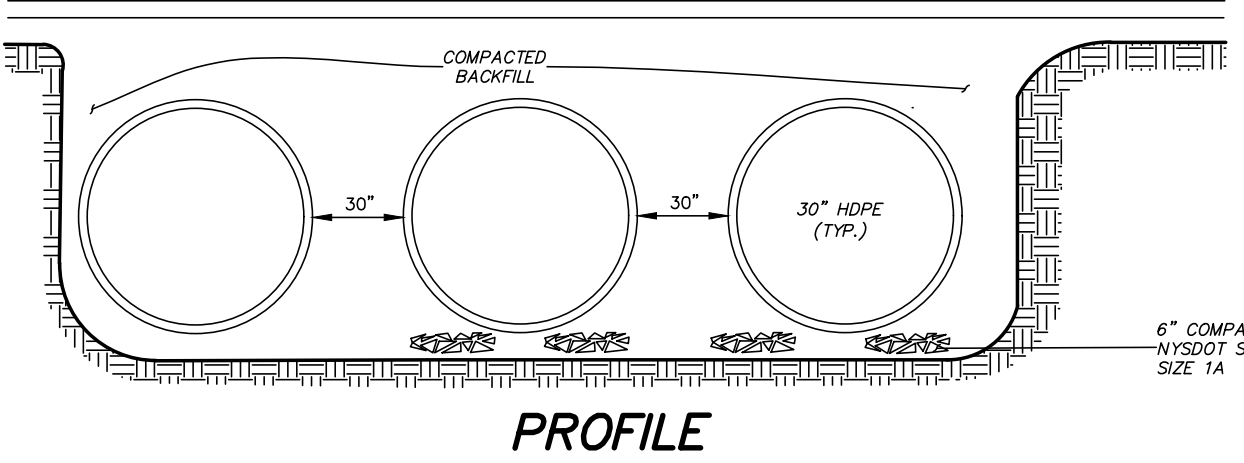
4 FLARE END SECTION DETAIL NOT TO SCALE



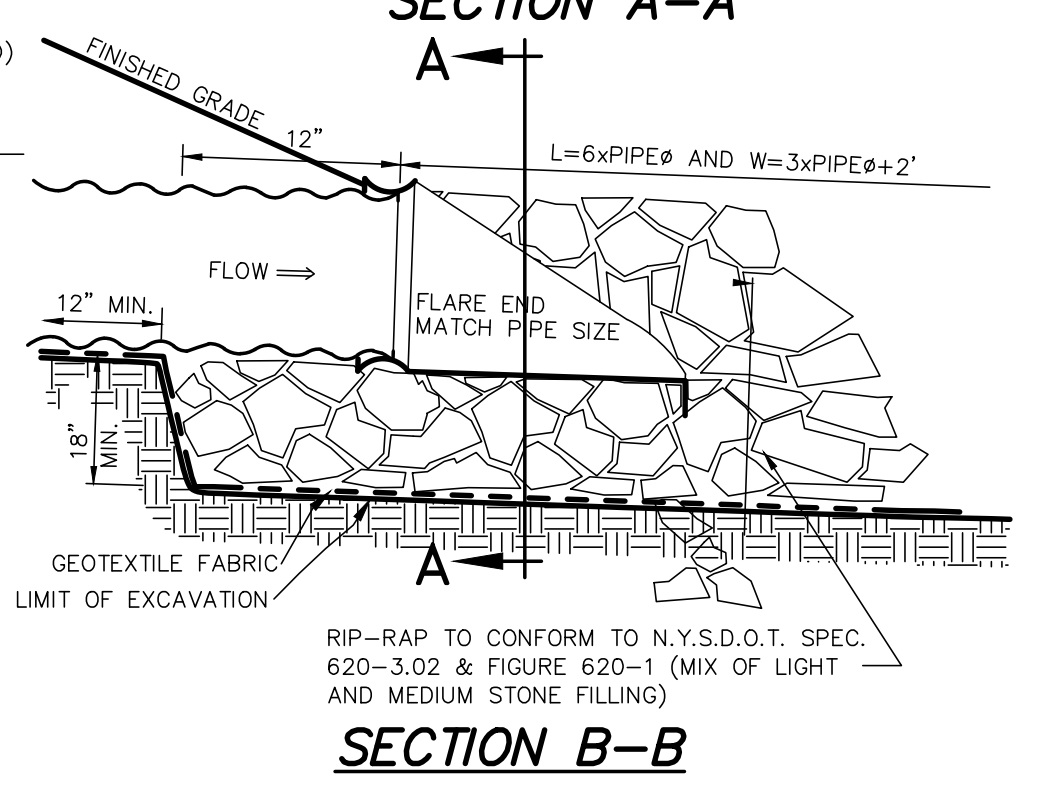
5 TYPICAL STORM SEWER TRENCH DETAIL NOT TO SCALE



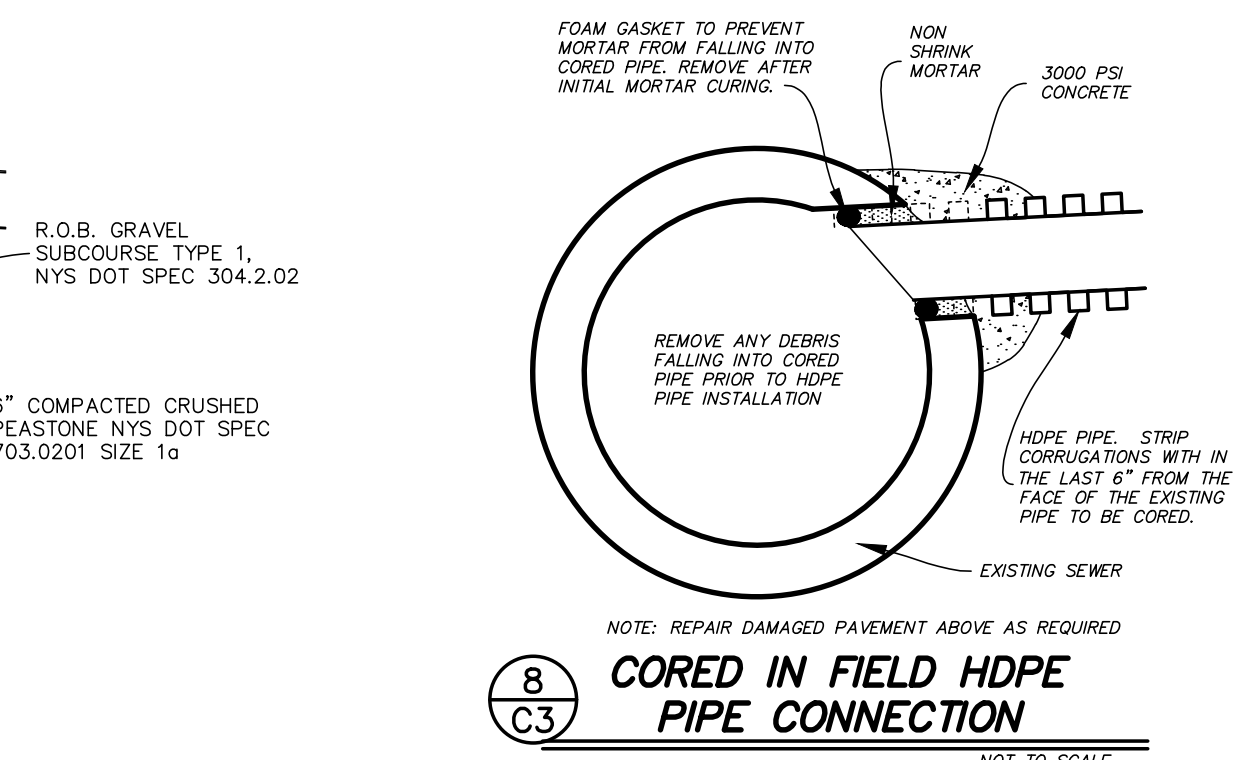
6 STORM WATER PIPE STORAGE NOT TO SCALE



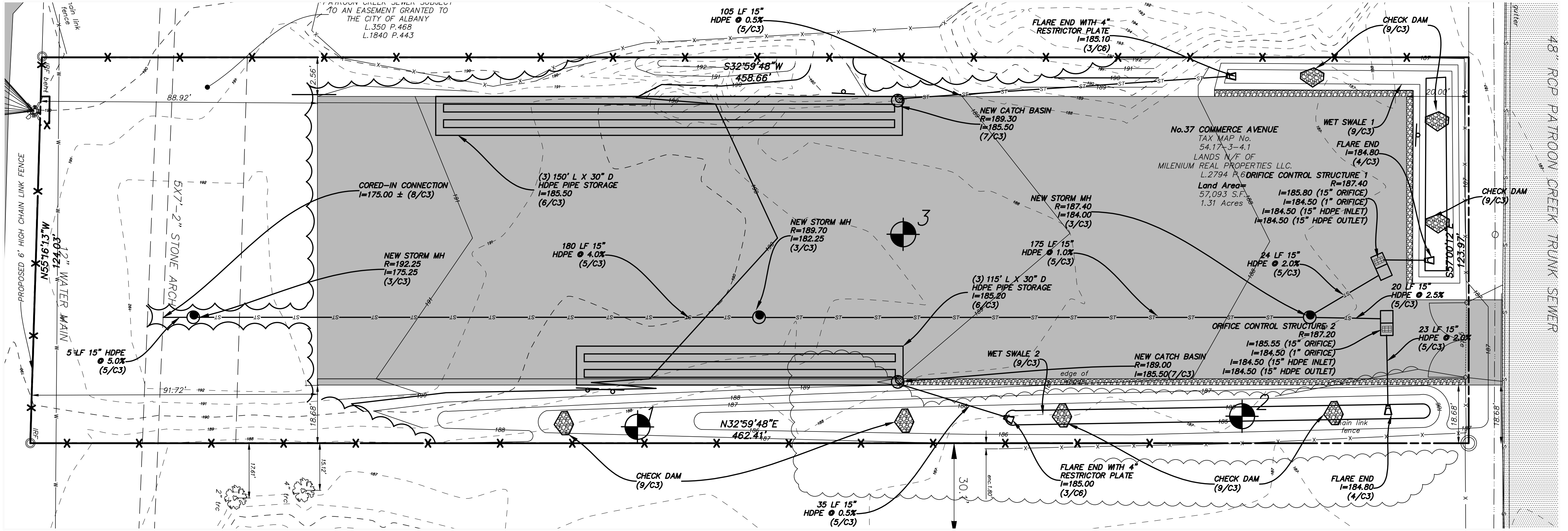
7 CATCH BASIN DETAIL NOT TO SCALE



8 CORED IN FIELD HDPE PIPE CONNECTION NOT TO SCALE

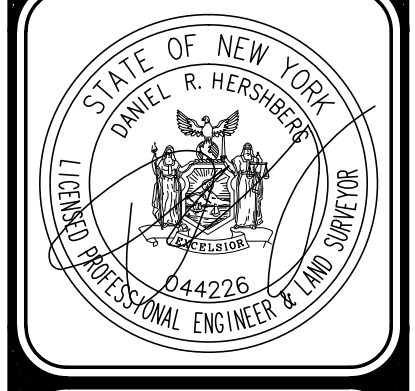


9 WET SWALE AND CHECK DAM DETAIL NOT TO SCALE



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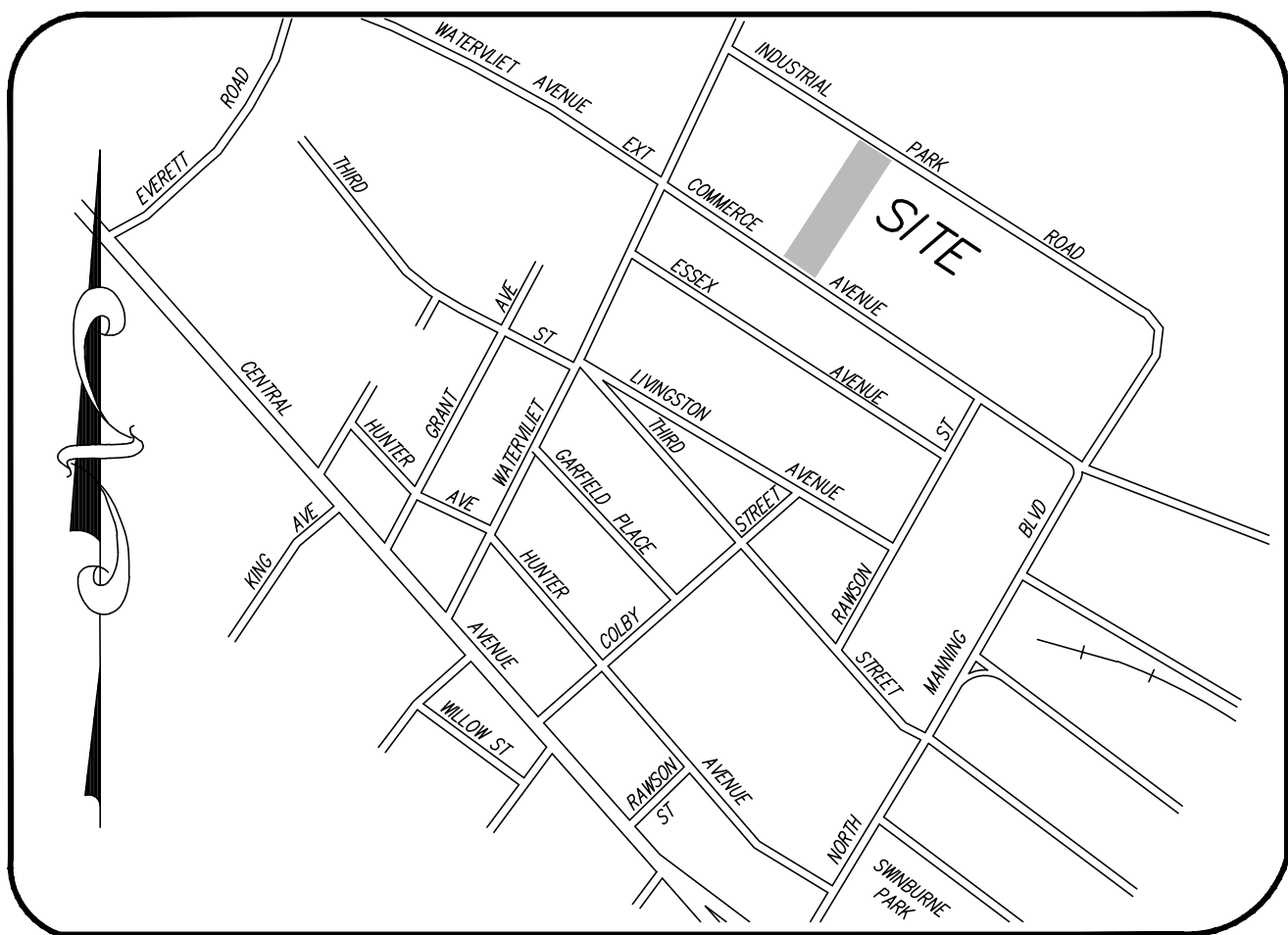
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DATE	10/24/19
REMARKS	
COMMENT LETTERS	
REVISIONS	

SWPPP PLAN
PROPOSED PAVED STORAGE AREA
37 COMMERCE AVENUE
CITY OF ALBANY, NEW YORK STATE, ALBANY COUNTY

SCALE: AS NOTED
 DATE: 6/19/19
 FILE: 190156



VICINITY MAP
MAP NOT TO SCALE

ESC LEGEND

- SILT FENCE
- LIMITS OF DISTURBANCE
- TEMPORARY PERIMETER SWALE
- DROP INLET PROTECTION
- FUELING AREA
- STOCKPILE, STAGING, AND MATERIAL STORAGE AREA

LEGEND

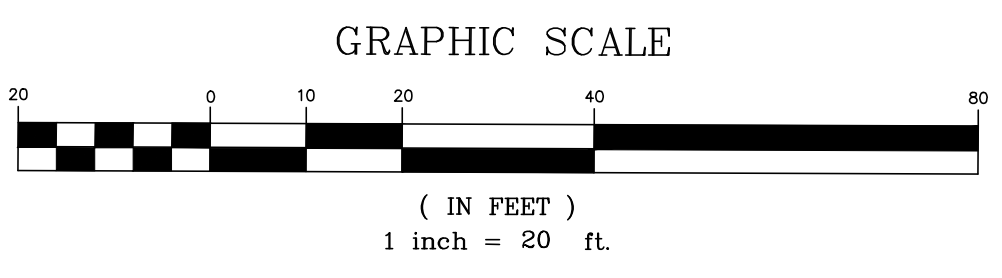
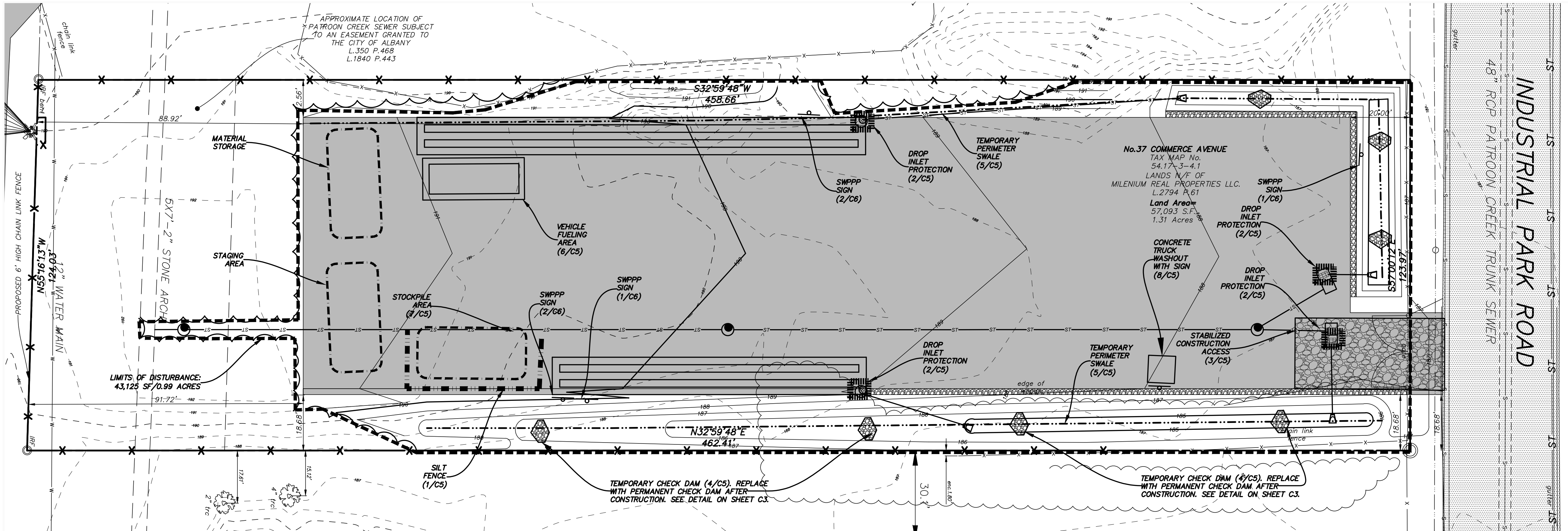
- | | | |
|----------|----------------------|--|
| R.O.W. | RIGHT OF WAY | IRON ROD |
| No. | NUMBER | MH |
| enc. | ENCROACHMENT | MANHOLE |
| P.O.B. | POINT OF BEGINNING | CATCHBASIN |
| S.F. | SQUARE FEET | FENCE LINE |
| N/F | NOW OR FORMERLY | OVERHEAD WIRE, UTILITY POLE & GUY WIRE |
| Ft. | FEET | HYDRANT |
| Deg. | DEGREE | STONE |
| R | RECORD | PAVEMENT |
| M | MEASURED | TREE |
| N | NORTH | L. LIBER |
| S | SOUTH | P. PAGE |
| E | EAST | ST |
| W | WEST | SEWER LINE |
| N.A.H.A. | NUT AT HEAD OF ARROW | PROPOSED STORM SEWER |
| | | PROPOSED CHAIN LINK FENCE |
| | | PROPOSED CHECK DAM |
| | | PROPOSED CLEARING LIMITS |
| | | PROPOSED MANHOLE |
| | | PROPOSED ORIFICE CONTROL STRUCTURE |
| | | PROPOSED CONTOURS |
| | | PROPOSED SEWER LINE |

CONSTRUCTION SEQUENCING & SEDIMENTATION AND EROSION CONTROL DURING CONSTRUCTION

- The construction sequence for this project will be governed by the erosion and sediment control plan. Approximate timing is indicated where applicable in red following steps.
- Prior to commencement of any work under GP#0-15-002**
- ✓ Assume that copy of SWMR & SWPPP is on the site. ON COMMENCEMENT
 - ✓ Establish Qualified Individual who will be performing site inspection. ON COMMENCEMENT
 - ✓ SWPPP Inspections must be performed by the qualified professional must be submitted to the NYSDEC From Commencement until filing the Notice of Termination.
 - ✓ 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 #8**
- Construction Sequence**
- ✓ Commence work on site. WITHIN 10 DAYS OF PRE-CONSTRUCTION MEETING
 - ✓ 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.
 - ✓ Grade and prepare stabilized construction access. PRIOR TO COMMENCEMENT OF ANY GRADING - CONSTRUCTION ACCESS TO REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED.
 - ✓ Commence installation of the temporary perimeter and check dams. PRIOR TO GRADING.
 - ✓ The existing pavement must be kept swept clean to avoid tracking materials onto any streets. CONTINUOUSLY FROM INCEPTION TO COMPLETION OF STABILIZATION OR FILING OF NOTICE OF TERMINATION.
 - ✓ Maintain this area clean of debris and verify condition and safety of storage of materials listed below. Requires daily inspection. CONTINUOUSLY FROM INCEPTION TO FILING OF NOTICE OF TERMINATION.
 - ✓ 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 silt 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 TO FILING OF NOTICE OF TERMINATION.
 - Select Fill
 - Rip-rap
 - Fencing Materials
 - Concrete Structures
 - Pipes
 - Pipe Solvents
 - Concrete for building
 - Roofing Materials for Building
 - Metal Materials for Building
 - Building Materials for Building
 - ✓ MSDS sheets must be available on site for all materials used or imported to the site. CONTINUOUSLY FROM INCEPTION TO FILING OF NOTICE OF TERMINATION.
 - ✓ Any chemical spills must be contained immediately on site and reported to NYSDEC. CONTINUOUSLY FROM INCEPTION TO FILING OF NOTICE OF TERMINATION.
 - ✓ Oil and grease spills from equipment shall be treated immediately. CONTINUOUSLY FROM INCEPTION TO FILING OF NOTICE OF TERMINATION.
 - ✓ Clean the structures of any accumulated silt. PRIOR TO FILING OF NOTICE OF TERMINATION.
 - ✓ Decomact soils requiring decompaction. Prior to restoration
 - ✓ Obtain approval on Notice of Termination from NYSDEC after site has achieved >80% restoration PRIOR TO FILING OF NOTICE OF TERMINATION.
 - ✓ File NOTICE OF TERMINATION.

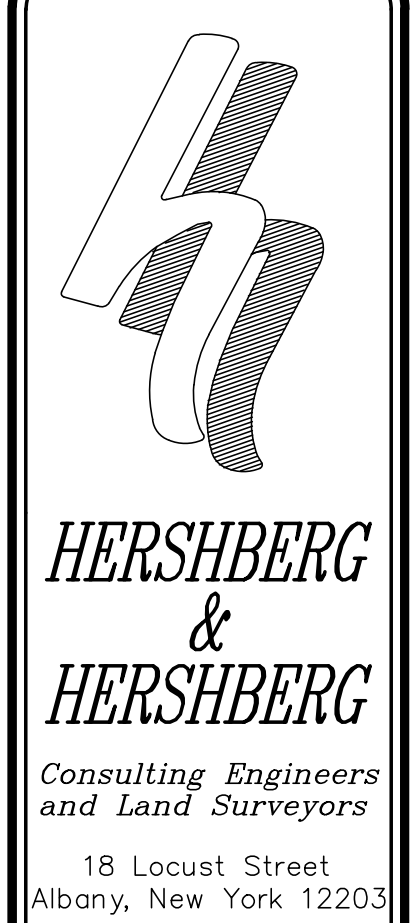
HOUSEKEEPING SECTION

- 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
 - Rip-rap
 - Concrete Structures
 - Pipes
 - Pipe Solvents
 - Concrete for building
 - Roofing Materials for Building
 - Building Materials for Building
- 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 #8**
- Oil and grease spills from equipment shall be treated immediately. Vehicle fueling must take place in designated area. Relocate designated fueling area when required. A concrete truck washout must be provided and used by all trucks washing out concrete. Pit must be maintained and pumped out regularly.
- After construction, materials and chemicals must be stored in sealed receptacles or in buildings. No materials other than chain link fence sections will be stored on site. Oil and grease spills from equipment shall be treated immediately.

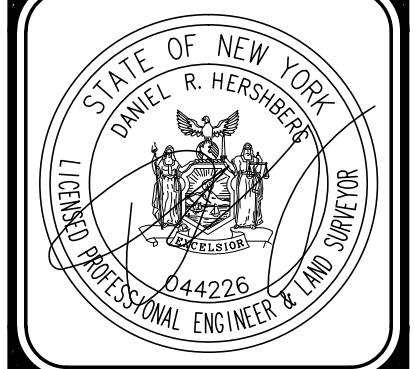


STANDARD AND SPECIFICATIONS FOR WINTER STABILIZATION

- Definition & Scope**
- A temporary site specific, enhanced erosion and sediment control plan to manage runoff and sediment at the site during construction activities in the winter months to protect off-site water resources.
- Conditions Where Practice Applies**
- This standard applies to all construction activities involved with ongoing land disturbance and exposure between November 15th to the following April 1st.
- Design Criteria**
1. Prepare a snow management plan with adequate storage for snow and control of melt water, requiring cleared snow to be stored in a manner not affecting ongoing construction activities.
 2. Enlarge and stabilize access points to provide for snow management and stockpiling. Snow management activities must not destroy or degrade installed erosion and sediment control practices.
 3. A minimum 25 foot buffer shall be maintained from all perimeter controls such as silt fence. Mark silt fence with tall stakes that are visible above the snow pack.
 4. Edges of disturbed areas that drain to a waterbody within 100 feet will have 2 rows of silt fence, 5 feet apart, installed on the contour.
 5. Drainage structures must be kept open and free of snow and ice dams. All debris, ice dams, or debris from plowing operations, that restrict the flow of runoff and meltwater, shall be removed.
 6. Sediment barriers must be installed at all appropriate perimeter and sensitive locations. Silt fence and other practices requiring earth disturbance must be installed before the ground freezes.
 7. Soil stockpiles must be protected by the use of established vegetation, anchored straw mulch, rolled stabilization matting, or other durable covering. A barrier must be installed at least 15 feet from the toe of the stockpile to prevent soil migration and to capture loose soil.
 8. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures should be initiated by the end of the next business day and completed within three (3) days. Rolled erosion control blankets must be used on all slopes 3 horizontal to 1 vertical or steeper.
 9. If straw mulch alone is used for temporary stabilization, it shall be applied at double the standard rate of 2 tons per acre, making the application rate 4 tons per acre. Other manufactured mulches should be applied at double the manufacturer's recommended rate.
 10. To ensure adequate stabilization of disturbed soil in advance of a melt event, areas of disturbed soil should be stabilized at the end of each work day unless:
 - a. work will resume within 24 hours in the same area and no precipitation is forecast;
 - b. the work is in disturbed areas that collect and retain runoff, such as open utility trenches, foundation excavations, or water management areas.
 11. Use stone paths to stabilize access perimeters of buildings under construction and areas where construction vehicle traffic is anticipated. Stone paths should be a minimum 10 feet in width but wider as necessary to accommodate equipment.
- Maintenance**
- The site shall be inspected frequently to ensure that the erosion and sediment control plan is performing its winter stabilization function. If the site will not have earth disturbing activities ongoing during the "winter season", all bare exposed soil must be stabilized by established vegetation, straw or other acceptable mulch, matting, rock, or other approved material such as rolled erosion control products. Seeding of areas with mulch cover is preferred but seeding alone is not acceptable for proper stabilization.
- Compliance inspections must be performed and reports filed properly in accordance with the SWPPP for all sites under a winter shutdown.
- July 2016 Page 2.38 New York State Standards and Specifications For Erosion and Sediment Control

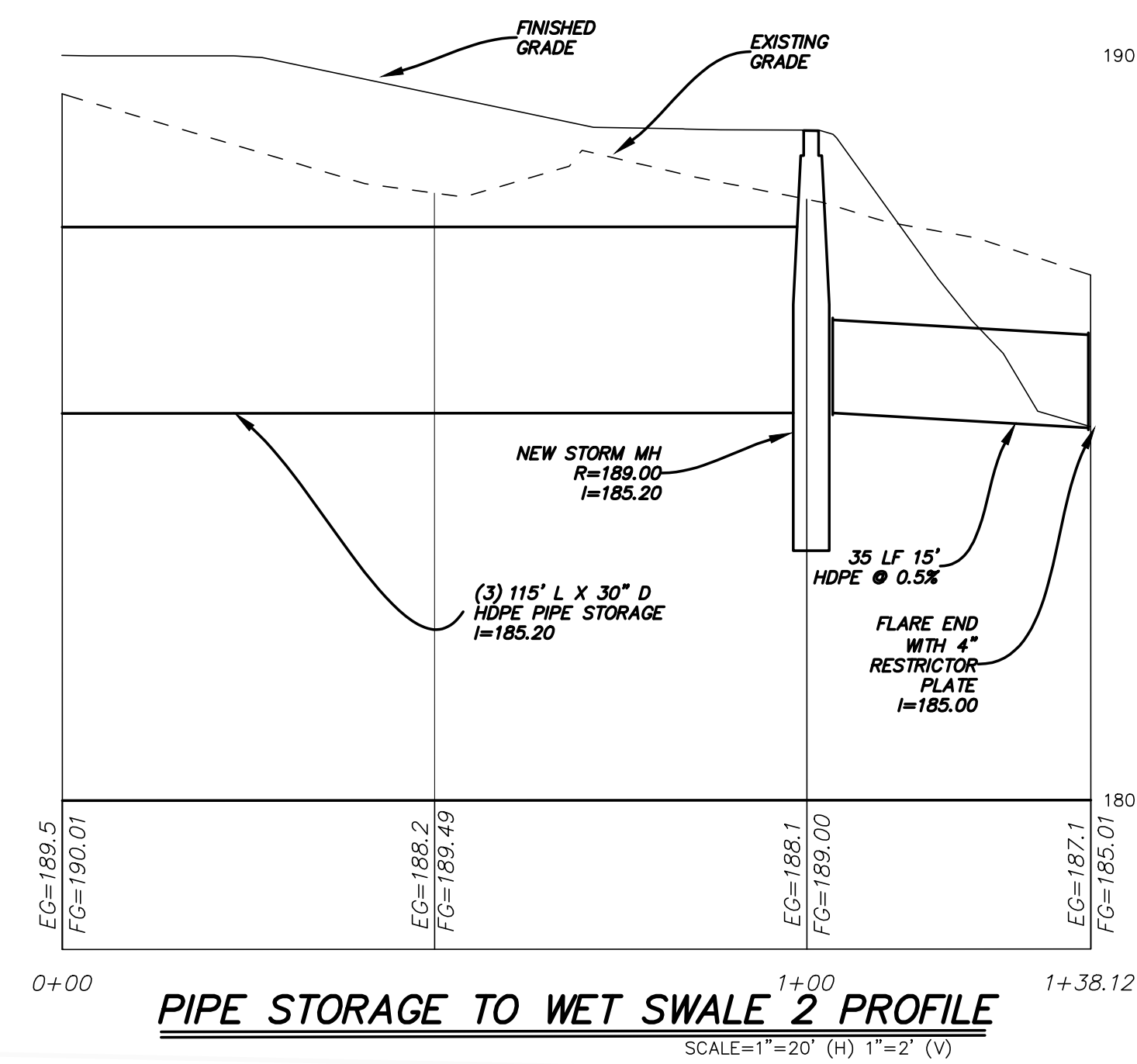
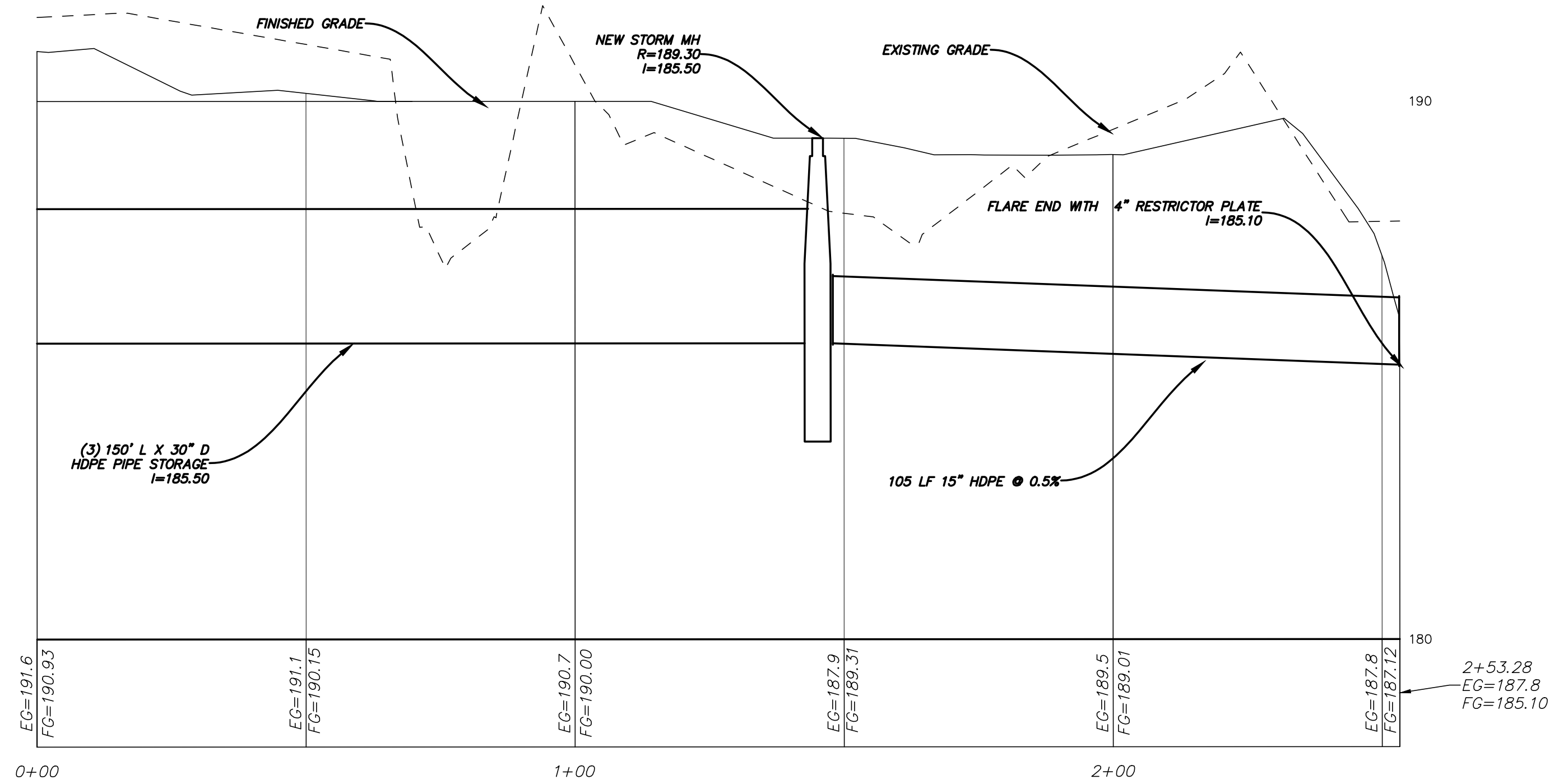


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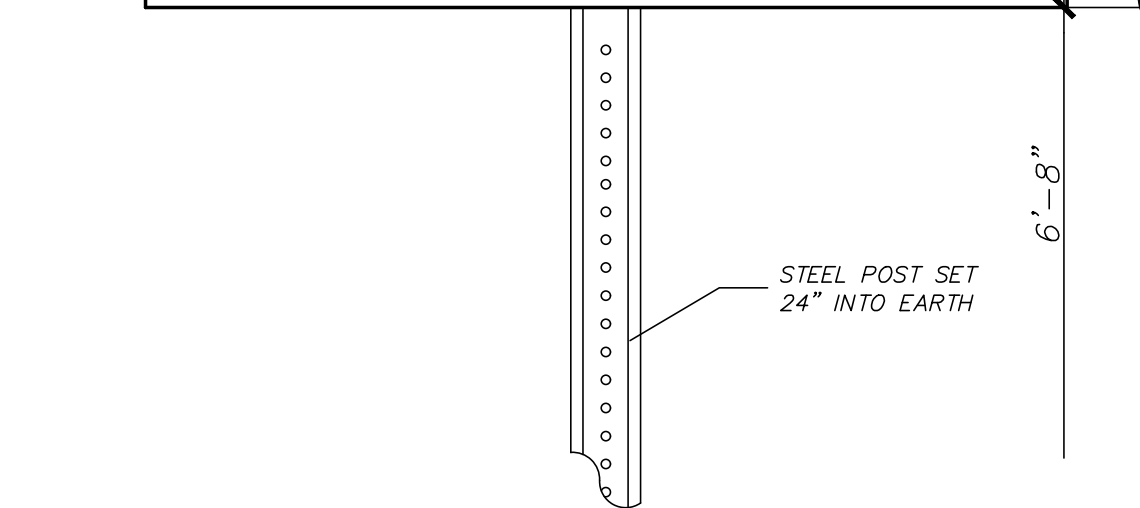
DATE	REMARKS
10/24/19	

EROSION AND SEDIMENT CONTROL PLAN
PROPOSED PAVED STORAGE AREA
37 COMMERCE AVENUE
CITY OF ALBANY, NEW YORK STATE, ALBANY COUNTY
 SCALE: 1"=20'
 FILE: 190156
 CHK. DWG
 DATE: 6/19/19
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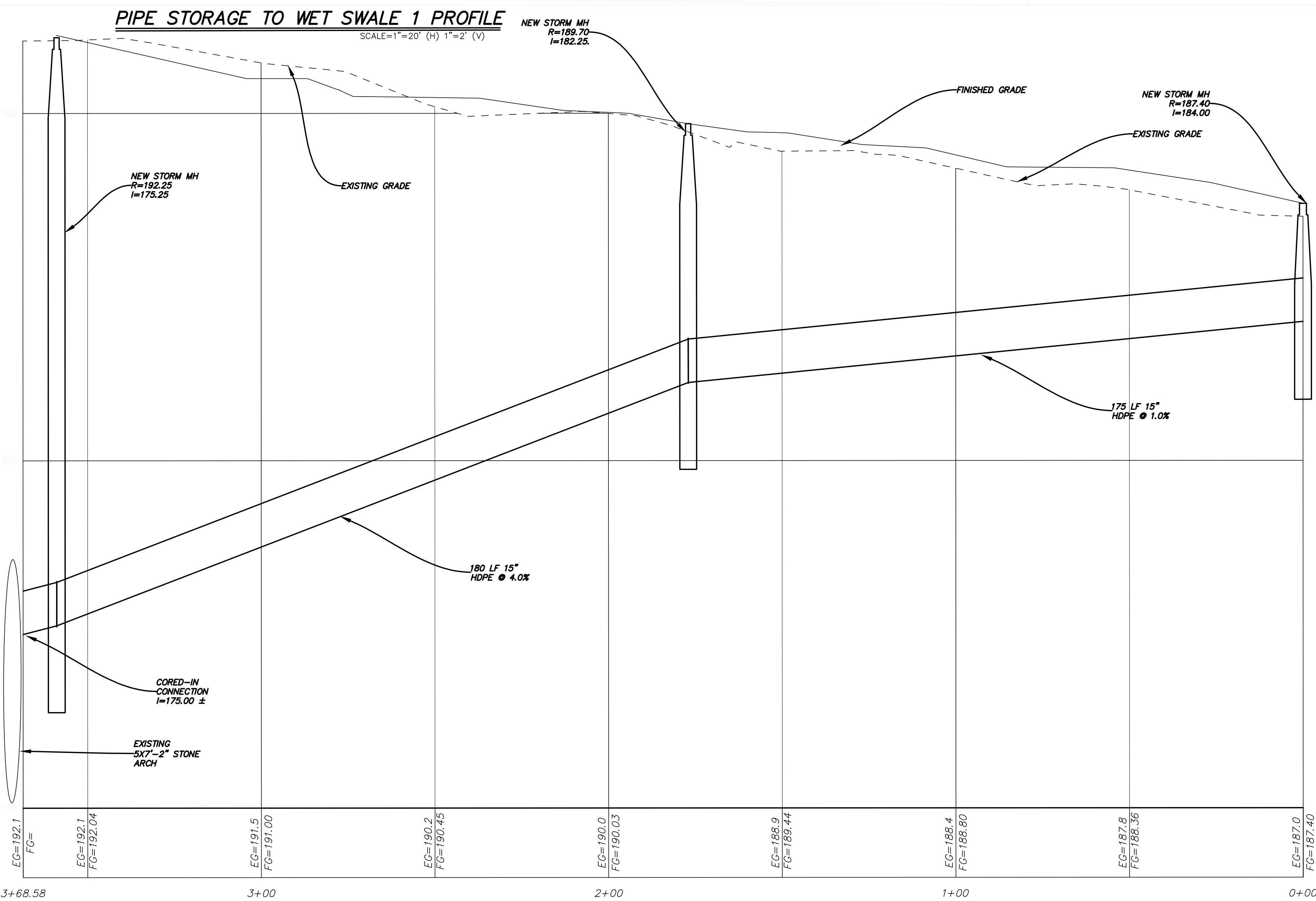


PIPE STORAGE TO WET SWALE 2 PROFILE
SCALE=1"=20' (H) 1"=2' (V)

STORMWATER MANAGEMENT PRACTICE -WET SWALE
Must Be Maintained In Accordance With O&M Plan
DO NOT REMOVE OR ALTER

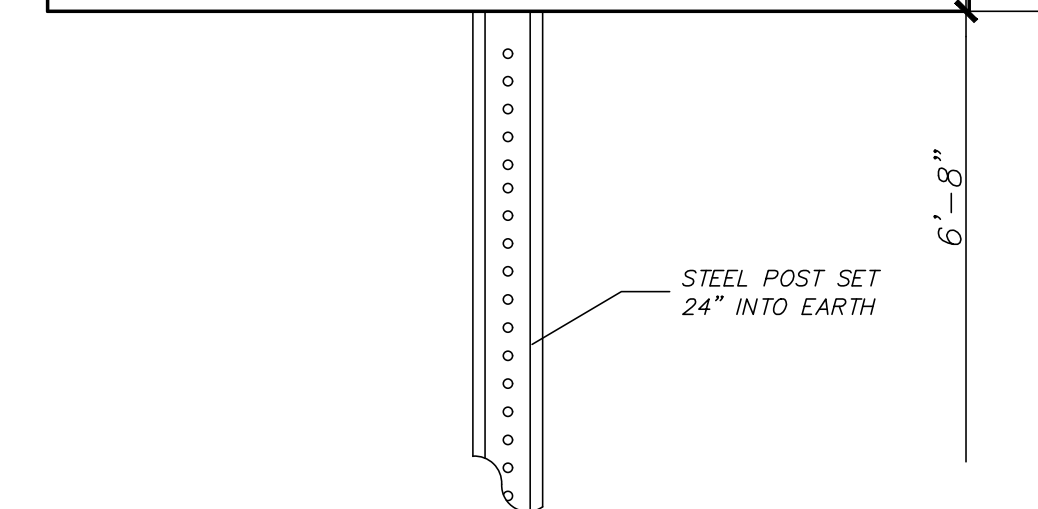


1 C6 **STORMWATER MANAGEMENT PRACTICE SIGN (AT WET SWALE LOCATIONS)**
NOT TO SCALE

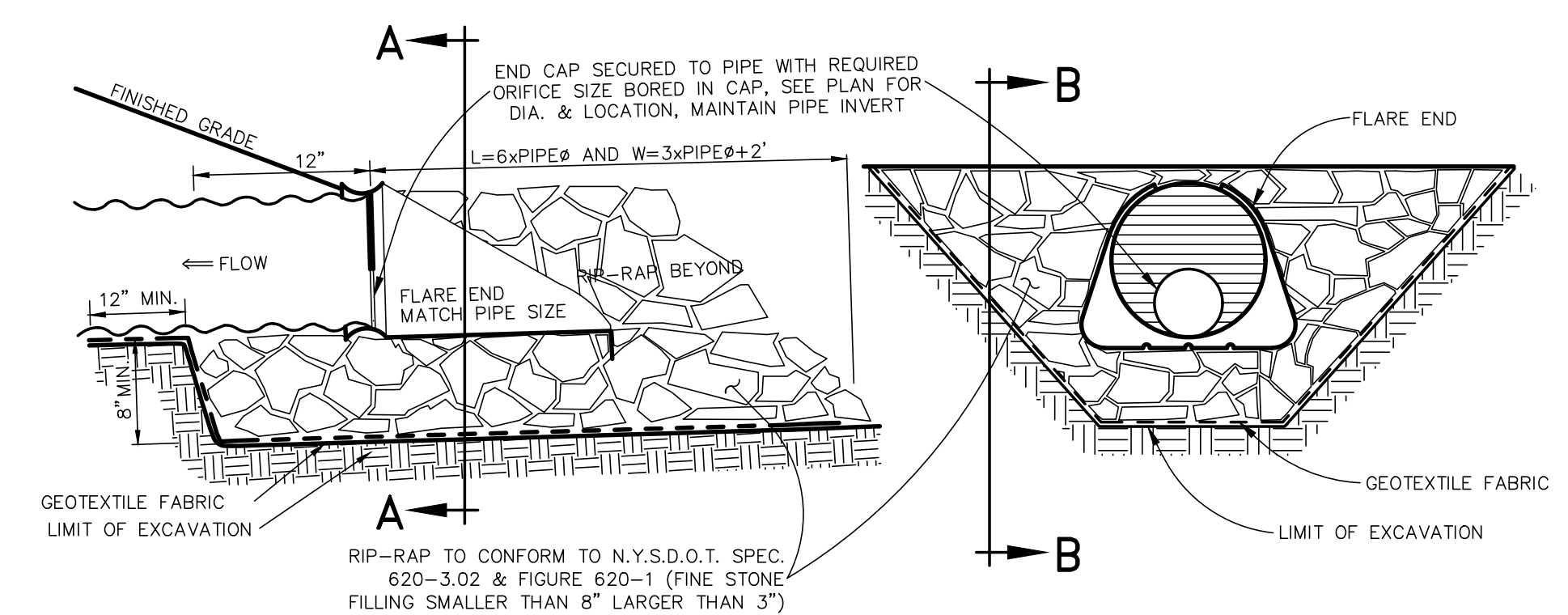


STORM SEWER TO STONE ARCH PROFILE
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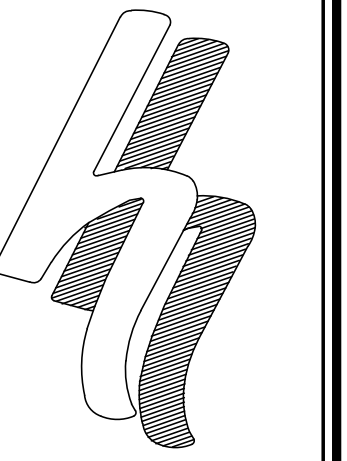
STORMWATER MANAGEMENT PRACTICE -SUBSURFACE DETENTION
Must Be Maintained In Accordance With O&M Plan
DO NOT REMOVE OR ALTER



2 C6 **STORMWATER MANAGEMENT PRACTICE SIGN (AT SUBSURFACE DETENTION LOCATIONS)**
NOT TO SCALE

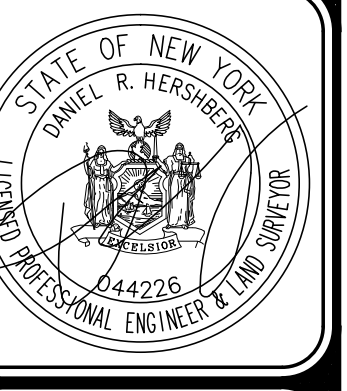


SECTION B-B **SECTION A-A**
3 C6 **RESTRICTOR PLATE & FLARE END SECTION DETAIL**
NOT TO SCALE



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

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DATE
10/24/19

REMARKS
COMMENT LETTERS

REVISIONS

SWPPP PROFILES AND DETAILS
PROPOSED PAVED STORAGE AREA
37 COMMERCE AVENUE
CITY OF ALBANY, NEW YORK STATE, ALBANY COUNTY

SCALE: AS NOTED
DATE: 10/12/19
CHK: DWH
BY: AS
FILE: 190156

C6