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Gannett Fleming

Imbiano-Quigley
Landscape Architects
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White Plains, New York 10601
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(914) 232-4090

PROJECT

COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK

McLaren
ENGINEERING GROUP
M. G. McLaren Engineering
and Land Surveying P.C.
530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677
T: 201.775.8000 F: 201.746.8522 www.mgmlaren.com

STATE OF NEW YORK
ENGINEER
101180

SHEET NAME

GRADING AND DRAINAGE PLAN
(SHEET 3 OF 4)

| No. | DATE | REVISION | BY |
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PROJECT NO. 130439
SCALE AS NOTED
DATE OCTOBER 30, 2019
DRAWN BY ORR
CHECKED BY JMS
APPROVED BY

ISSUED FOR
BID SET
DRAWING NO.
0.01.202A
12 of 377 SHTS

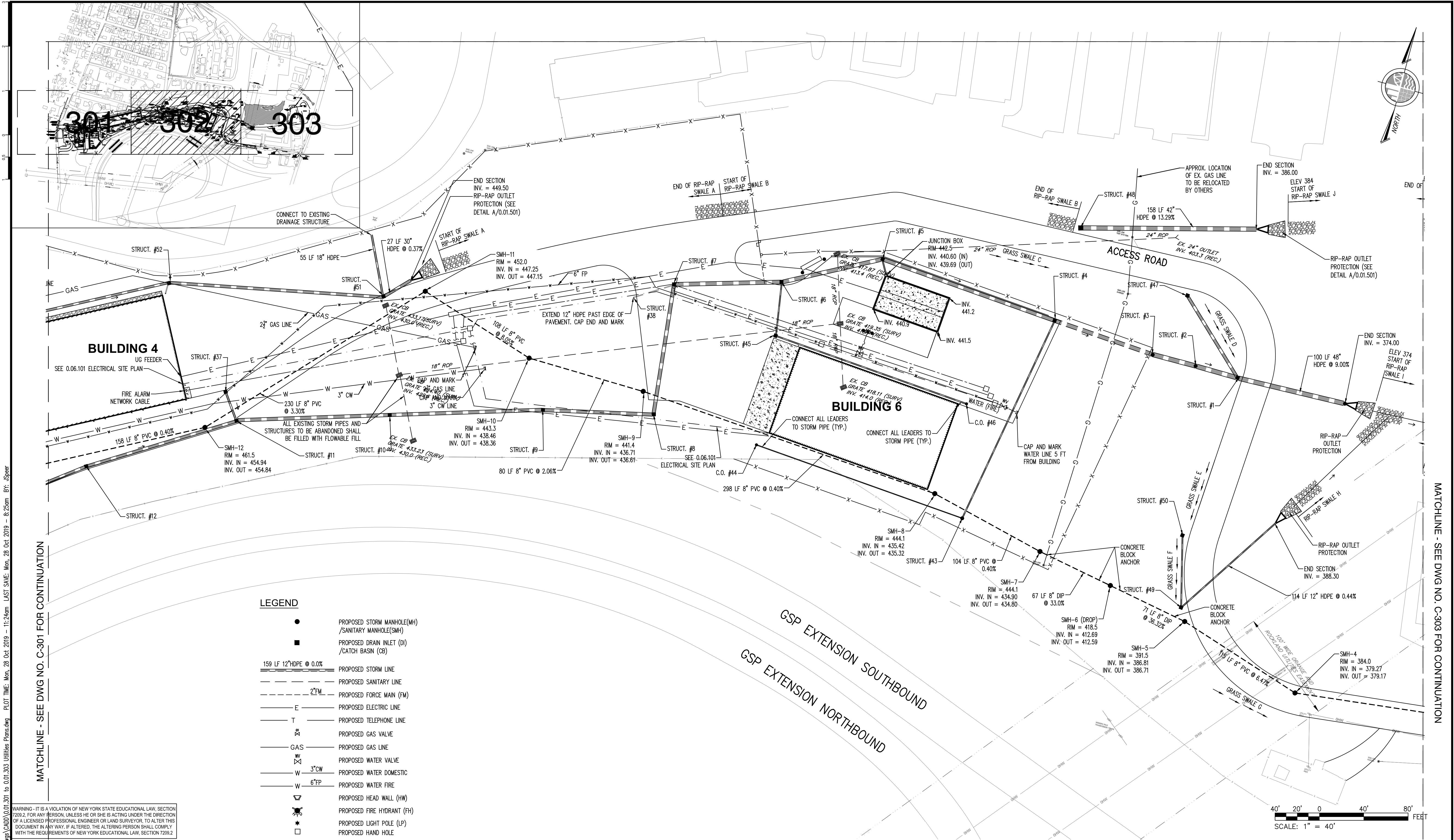


WARNING - IT IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW, SECTION 7205.2, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED, THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATIONAL LAW, SECTION 7205.2

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| <p>CONSULTANTS ARCHITECT</p> <p>STV 100 Years</p> <p>STV Architects, P.C. 225 Park Avenue South New York, NY 10003 (212) 777-4400 FAX: (212) 473-2780 www.stvinc.com</p> | | <p>MEP ENGINEER</p> <p>OLA Consulting Engineers</p> <p>OLA Consulting Engineers 60 Broadway, Hawthorne, New York 10522 914.747.2800 12 East 49th Street, 11th Fl. New York, NY 10017 646.848-4110 ola.com</p> | | <p>FACILITIES CONSULTANT</p> <p>Gannett Fleming</p> | | <p>LANDSCAPE ARCHITECT</p> <p>IQ</p> <p>Imbiano-Quigley Landscape Architects 31 Montross Ave., 7th Floor White Plains, New York 10601 admin@iqlandscape.com (914) 232-4090</p> | | <p>PROJECT</p> <p>COUNTY OF ROCKLAND CAPITAL PROJECT NO. 1307 HIGHWAY DEPARTMENT / EMERGENCY OPERATIONS FACILITY COUNTY OF ROCKLAND, NEW YORK</p> | | <p>McLaren ENGINEERING GROUP</p> <p>M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677 T: 201.775.8000 F: 201.746.8522 www.mgmclaren.com</p> | | <p>SEAL</p> <p>STATE OF NEW YORK ENGINEER M. G. McLaren 101180 LICENSED PROFESSIONAL ENGINEER</p> | | <p>SHEET NAME</p> <p>GRADING AND DRAINAGE PLAN (SHEET 4 OF 4)</p> | | <table><tr><td>No.</td><td>DATE</td><td>REVISION</td><td>BY</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table> | | No. | DATE | REVISION | BY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | <p>PROJECT NO. 130439 SCALE AS NOTED DATE OCTOBER 30, 2019 DRAWN BY ORR CHECKED BY JMS APPROVED BY</p> | | <p>ISSUED FOR BID SET DRAWING NO. 0.01.203 13 of 377 SHS</p> | |
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FILE NAME: P:\Proj\1307\130439\10_Dwg\CAD\01.01.201 to 0.01.203 Grading Drainage Plans.dwg PLOT TIME: Mon, 28 Oct 2019 - 11:23am LAST SAVE: Sun, 27 Oct 2019 - 10:56pm BY: JSpier



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SEAL

STATE OF NEW YORK
JAMES M. BLUM
REGISTERED PROFESSIONAL ENGINEER
101180

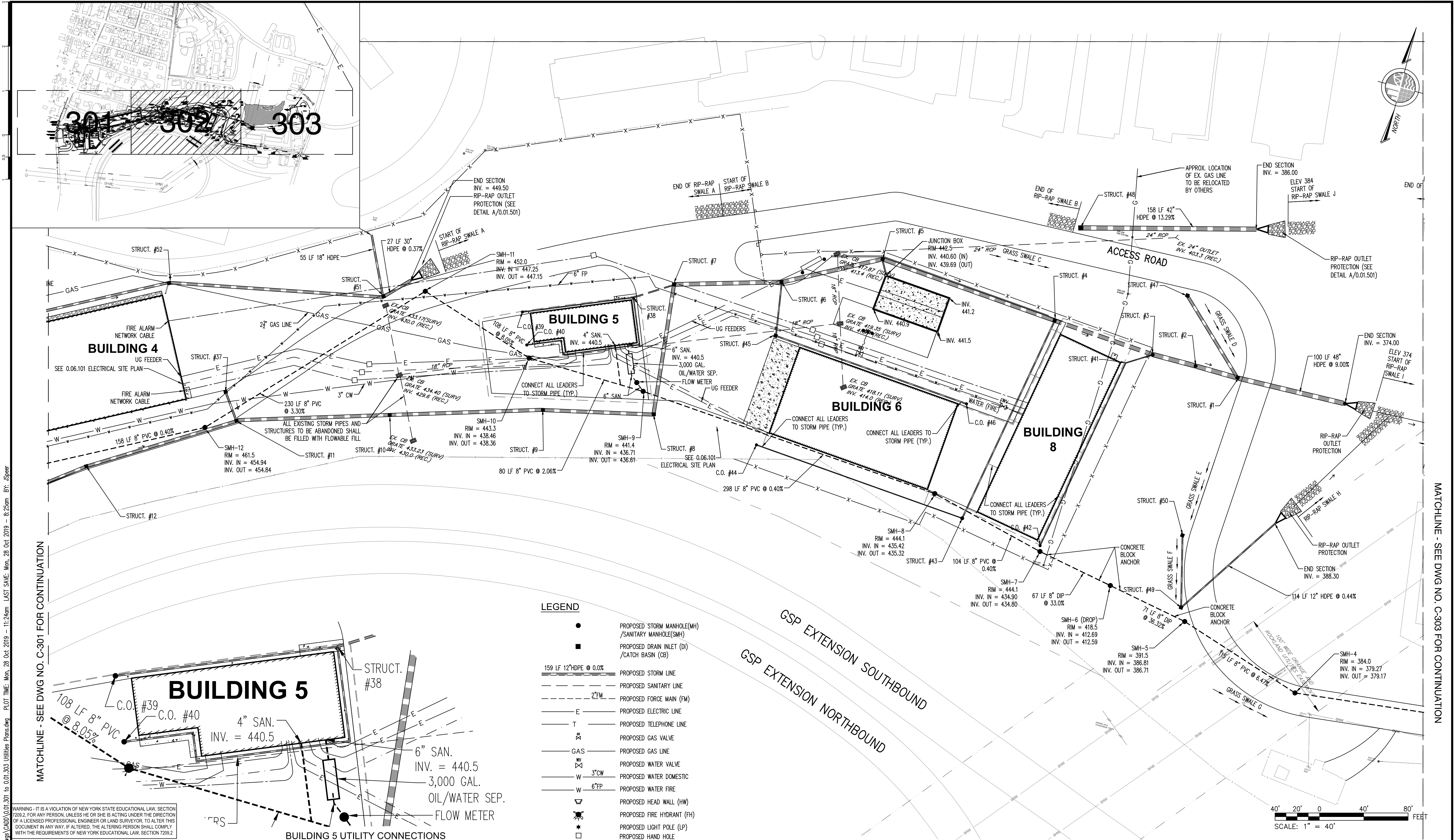
SHEET NAME

UTILITY PLAN
(SHEET 2 OF 4)

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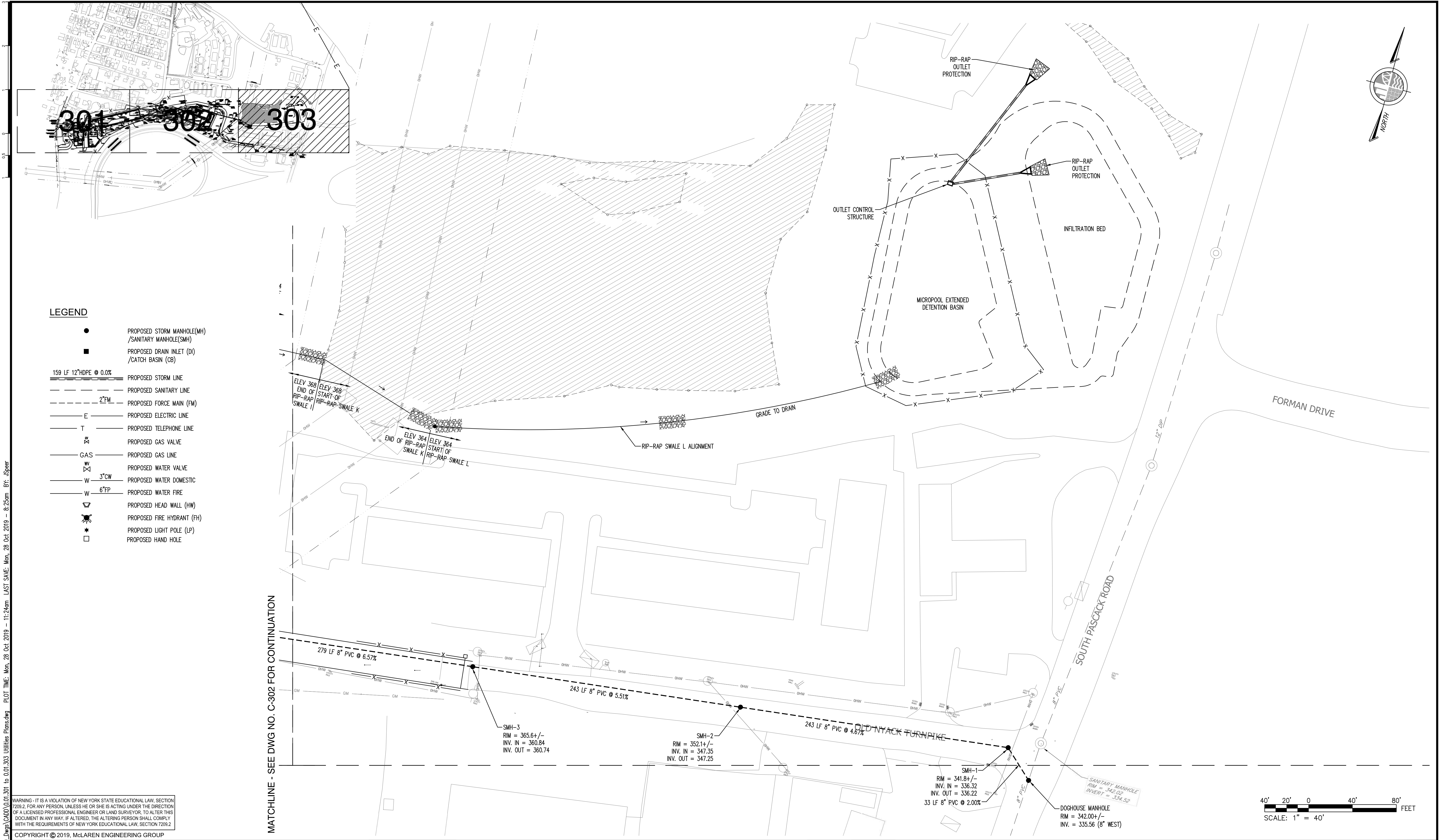
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| ISSUED FOR | BID SET |
| DRAWING NO. | 0.01.302 |
| 15 OF 377 SHTS | |



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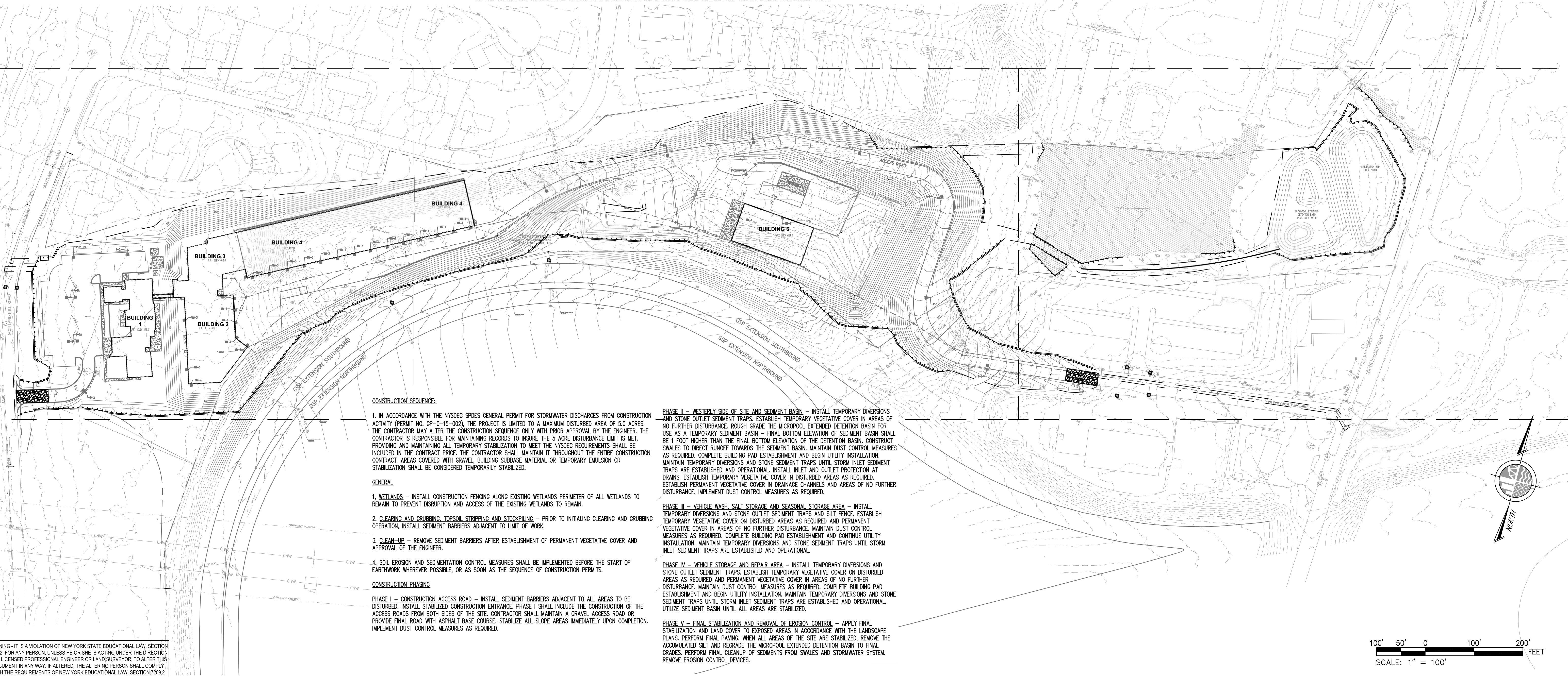
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1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL (NYSDEC, DIVISION OF WATER, NOVEMBER 2016) AND SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (PERMIT GP-0-15-002).
2. CONSTRUCTION SHALL BE SEQUENCED IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE BELOW.
3. ANY DISTURBED AREAS THAT ARE LEFT EXPOSED MORE THAN 14 DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL. THE SEEDING WILL BE DONE IN ACCORDANCE WITH STANDARDS, AS FOLLOWS:
 - A. FERTILIZER: FERTILIZER SHALL BE APPLIED AT THE RATE OF 14-LBS/1000 S.F. OR 600 LBS./ACRE, USING 5-10-10 OR EQUIVALENT.
 - B. SEED: ANNUAL RYEGRASS APPLIED AT THE RATE OF 30 LBS./ACRE, OR OTHER SELECT MIXTURE DESCRIBED IN THE STANDARDS.
 - C. MULCH: SMALL GRAIN STRAW MULCH APPLIED AT A RATE OF 90-LBS/1000 S.F. OR 2 TONS/ACRE, TO BE APPLIED AND ANCHORED ACCORDING TO THE STANDARDS.
4. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC, WITHIN 10 DAYS OF FINAL GRADING, SHALL RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH SUITABLE MULCH AS SHOWN ON THE LANDSCAPE ARCHITECTURE PLANS. IF THE LANDSCAPE PLANS DO NOT SHOW PERMANENT VEGETATIVE COVER, OR THE COVER SHOWN ON THE PLANS CANNOT BE APPLIED, THE FOLLOWING COVER SHALL BE APPLIED:
 - A. FERTILIZER: FERTILIZER APPLIED AT THE RATE OF 20-LBS/1000 S.F. USING 5-10-10 OR EQUIVALENT.
 - B. SEED MIXTURE: TO BE PLANTED BETWEEN APRIL 1 AND MAY 15, OR BETWEEN AUGUST 15 AND OCTOBER 15. SELECT MIXTURE DESCRIBED IN THE STANDARDS.
 - C. MULCH: SMALL GRAIN STRAW MULCH APPLIED AT A RATE OF 90-LBS/1000 S.F. OR 2 TONS/ACRE, TO BE APPLIED AND ANCHORED ACCORDING TO THE STANDARDS.
5. CUT OR FILL SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
6. PAVED ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

8. ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
9. CONSTRUCTION FENCING SHALL BE USED TO PROTECT EXISTING TREES TO REMAIN, WETLANDS AND OTHER SENSITIVE AREAS.
10. IF FOR ANY REASON THE CONSTRUCTION IS HALTED FOR PROTRACTED PERIODS, THE CONTRACTOR SHALL STABILIZE THE EXPOSED SOILS BY HYDRO-SEED OR OTHER MEANS, TO THE SATISFACTION OF THE ENGINEER, FOR ALL AREAS DENUDE OF VEGETATION.
11. STORM WATER FROM DISTURBED AREAS MUST BE PASSED THROUGH A HAY BALE BARRIER OR OTHER CONTROL DEVICE BEFORE BEING DISCHARGED BEYOND DISTURBED AREAS, OR DISCHARGED INTO INLETS, OR OTHER DRAINAGE SYSTEMS.
12. DUST CONTROL – WATER SHALL BE APPLIED BY SPRINKLER OR WATER TRUCK DURING GRADING OPERATIONS TO MINIMIZE SEDIMENT TRANSPORT AND TO MAINTAIN ACCEPTABLE AIR QUALITY CONDITIONS. REPETITIVE TREATMENTS SHALL BE DONE AS NEEDED UNTIL GRADES ARE STABILIZED.
13. THE CONTRACTOR SHALL INSPECT THE EFFECTIVENESS AND CONDITION OF EROSION CONTROL DEVICES DURING STORM EVENTS, AFTER EACH RAINFALL OF ONE-HALF (1/2) INCH MAGNITUDE OR GREATER, PRIOR TO WEEKENDS AND PRIOR TO FORECASTED STORM.
14. THE CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED EROSION CONTROL DEVICES IMMEDIATELY AND NO MORE THAN TWENTY-FOUR (24) HOURS AFTER OBSERVING SUCH DEFICIENCIES.
15. THE CONTRACTOR SHALL BE PREPARED TO IMPLEMENT INTERIM DRAINAGE CONTROLS AND EROSION CONTROL MEASURES AS MAY BE NECESSARY DURING THE COURSE OF CONSTRUCTION.
16. THE CONTRACTOR SHALL MAKE AVAILABLE ONSITE ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY FOR EMERGENCY EROSION CONTROL AND DRAINAGE IMPROVEMENTS WITHIN TWENTY FOUR (24) HOURS OF ANY IMPENDING EMERGENCY SITUATION.
17. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
18. THE ROCKLAND COUNTY HIGHWAY DEPARTMENT OR THE NYSDOC OR THE SITE ENGINEER MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE THE POTENTIAL ONSITE OR OFFSITE EROSION PROBLEMS THAT MAY OCCUR DURING CONSTRUCTION.
19. THE CONTRACTOR SHALL INSTALL CONSTRUCTION ENTRANCES AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS UNSTABILIZED AREAS.



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(914) 232-0200

PROJECT

**COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY**

COUNTY OF ROCKLAND, NEW YORK

McLaren
ENGINEERING GROUP

 M. G. McLaren Engineering
and Land Surveying P.C.

530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677
T: 201.775.6000 F: 201.746.8522 www.mcmclaren.com

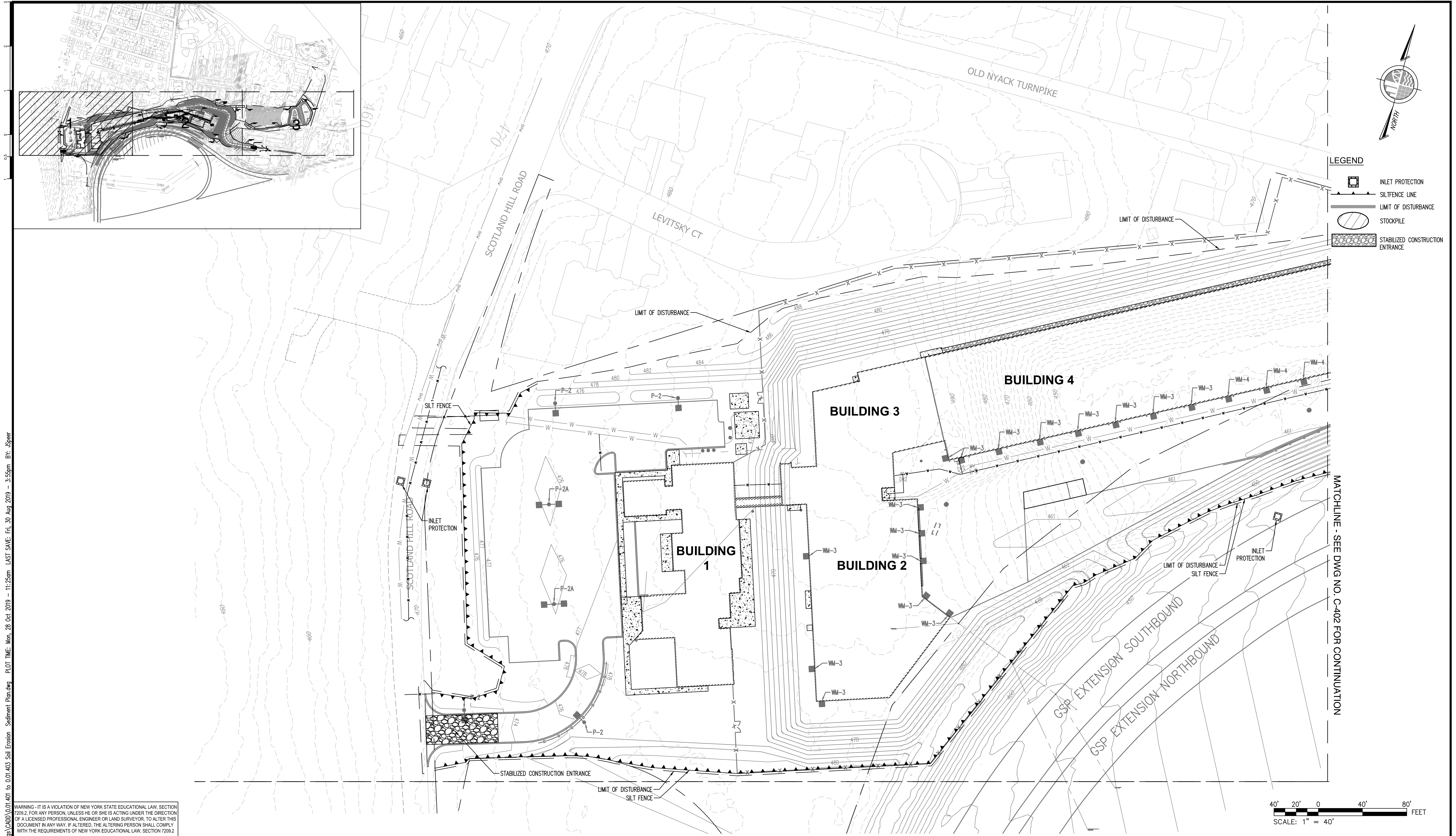
SEAL

STATE OF NEW YORK
DAWSON M. BLOOM
101180
LICENSED PROFESSIONAL ENGINEER

SHEET NAME

CONSTRUCTION PHASING PLAN AND SOIL EROSION AND SEDIMENT CONTROL NOTES

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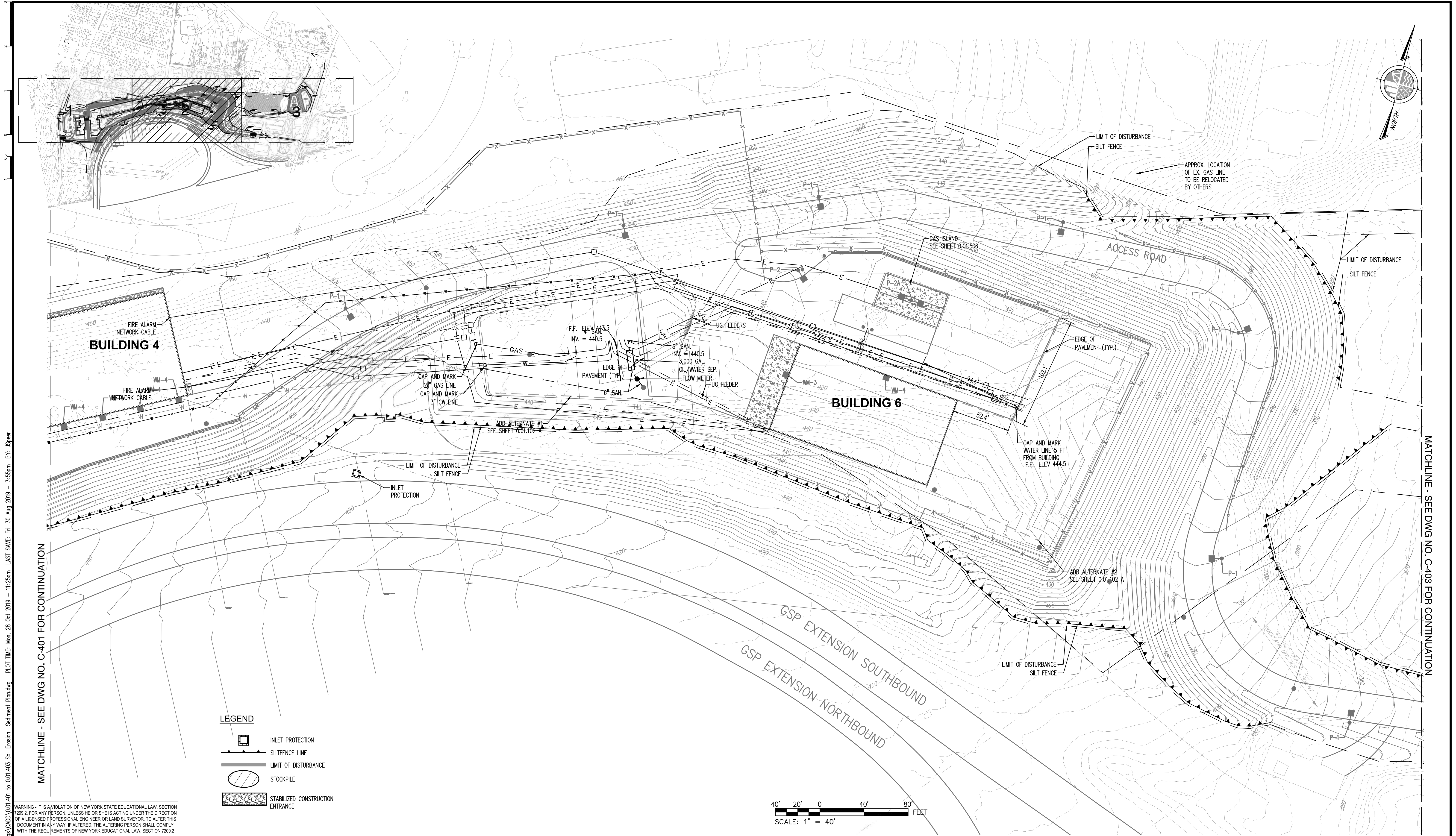


FILE NAME: P:\Proj\130\130439\10_Dwg\CAD\01.401 to 0.01.403 Soil Erosion Sediment Plan.dwg PLOT TIME: Mon, 28 Oct 2019 - 11:25am LAST SAVE: Fri, 30 Aug 2019 - 3:55pm BY: JSpier

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FILE NAME: P:\Proj\130\130439\10_Dwg\CAD\0.01.401 to 0.01.403 Soil Erosion Sediment Plan.dwg PLOT TIME: Mon, 28 Oct 2019 - 11:25am LAST SAVE: Fri, 30 Aug 2019 - 3:55pm BY: JSpier

MATCHLINE - SEE DWG NO. C-401 FOR CONTINUATION

MATCHLINE - SEE DWG NO. C-403 FOR CONTINUATION

LEGEND

- INLET PROTECTION
- SILT FENCE LINE
- LIMIT OF DISTURBANCE
- STOCKPILE
- STABILIZED CONSTRUCTION ENTRANCE

40' 20' 0 40' 80'
SCALE: 1" = 40' FEET

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| 20 | of 377 SHTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |