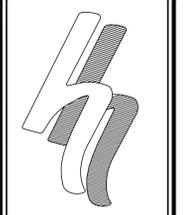


**LEGEND**

- 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
- FL. FEET
- Dep. DEGREE
- R. RECORD
- M. MEASURED
- N. NORTH
- S. SOUTH
- E. EAST
- W. WEST
- tel. TELEPHONE
- elec. ELECTRIC
- L. LIBER
- P. PAGE
- W. WATER LINE
- S. SEWER LINE
- G. GAS LINE
- UE. UNDERGROUND ELECTRIC
- MONUMENT
- IRON ROD
- MANHOLE
- CATCHBASIN
- SIGN
- BOLLARD
- FENCE LINE
- GUARD RAIL
- OVERHEAD WIRE, UTILITY POLE & CUY WIRE
- TRAFFIC FLOW ACCESS AREA
- WATER SHUT OFF
- WATER VALVE
- HYDRANT
- GAS VALVE
- GAS TEST
- GAS DRIP
- STREET LIGHT
- LIGHT POLE
- CONCRETE
- PAVEMENT
- TREE CONIFEROUS DIAMETER OF TREE
- TREE DECIDUOUS DIAMETER OF TREE

EXISTING SITE COVERAGE STATISTICS			
description	s.f.	acres	%
gross site area	51,640	1.18	100.00
impervious area	18,488	0.42	35.5
building coverage	0	0.00	0.00
pavement/sidewalk coverage	18,488	0.42	35.5
pervious area	33,152	0.76	64.5



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

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DATE	REVISIONS

EXISTING CONDITIONS  
 THE GALLERY ON HOLLAND  
 No. 25 HOLLAND AVENUE  
 CITY OF ALBANY  
 COUNTY OF ALBANY STATE OF NEW YORK

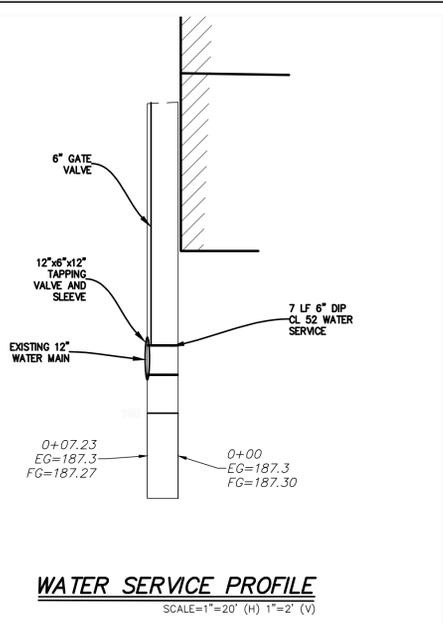
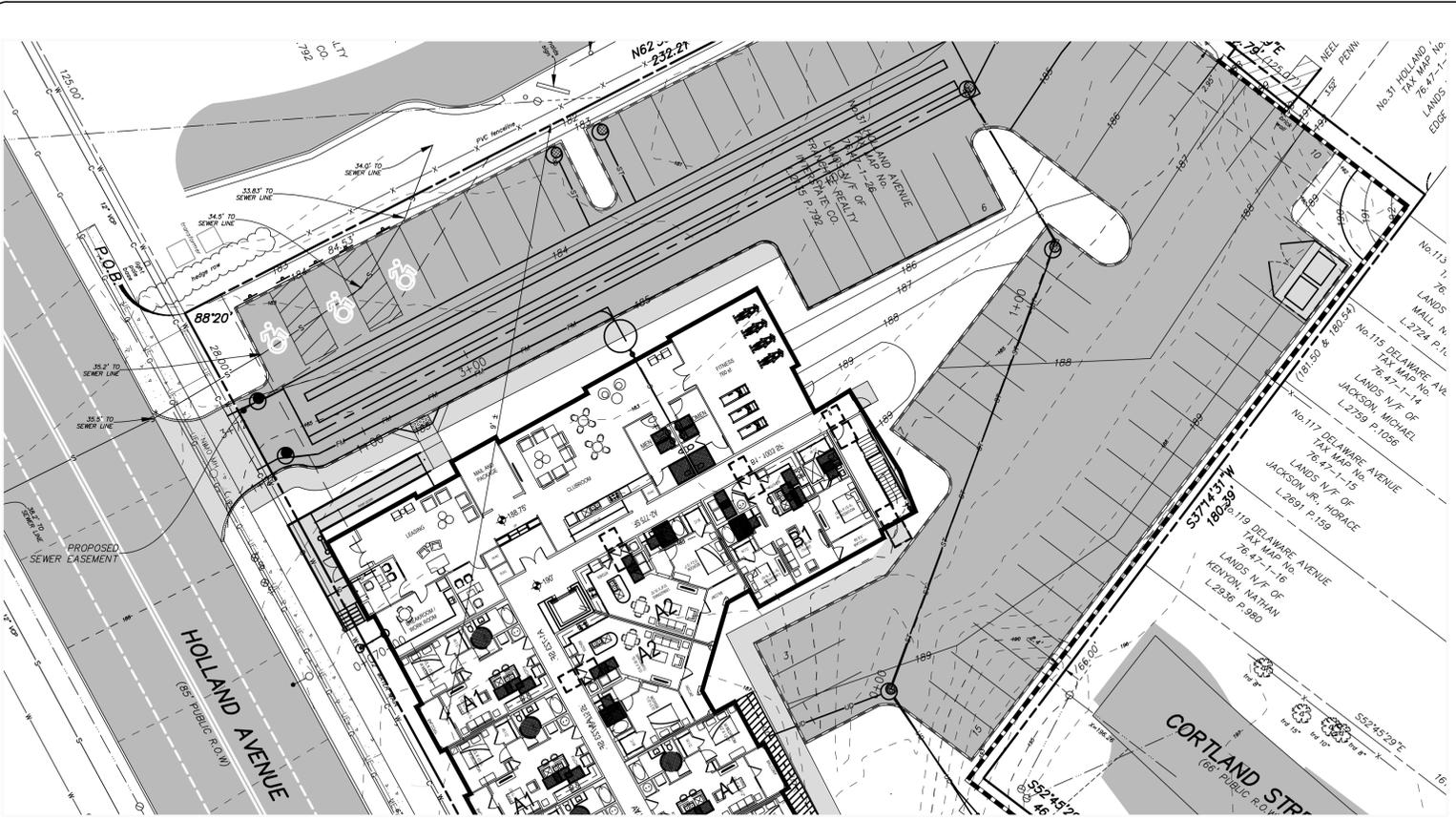
FILE: 190200  
 SCALE: 1"=20'  
 DATE: 07/29/19  
 CHK: JRH  
 190200-LDMC



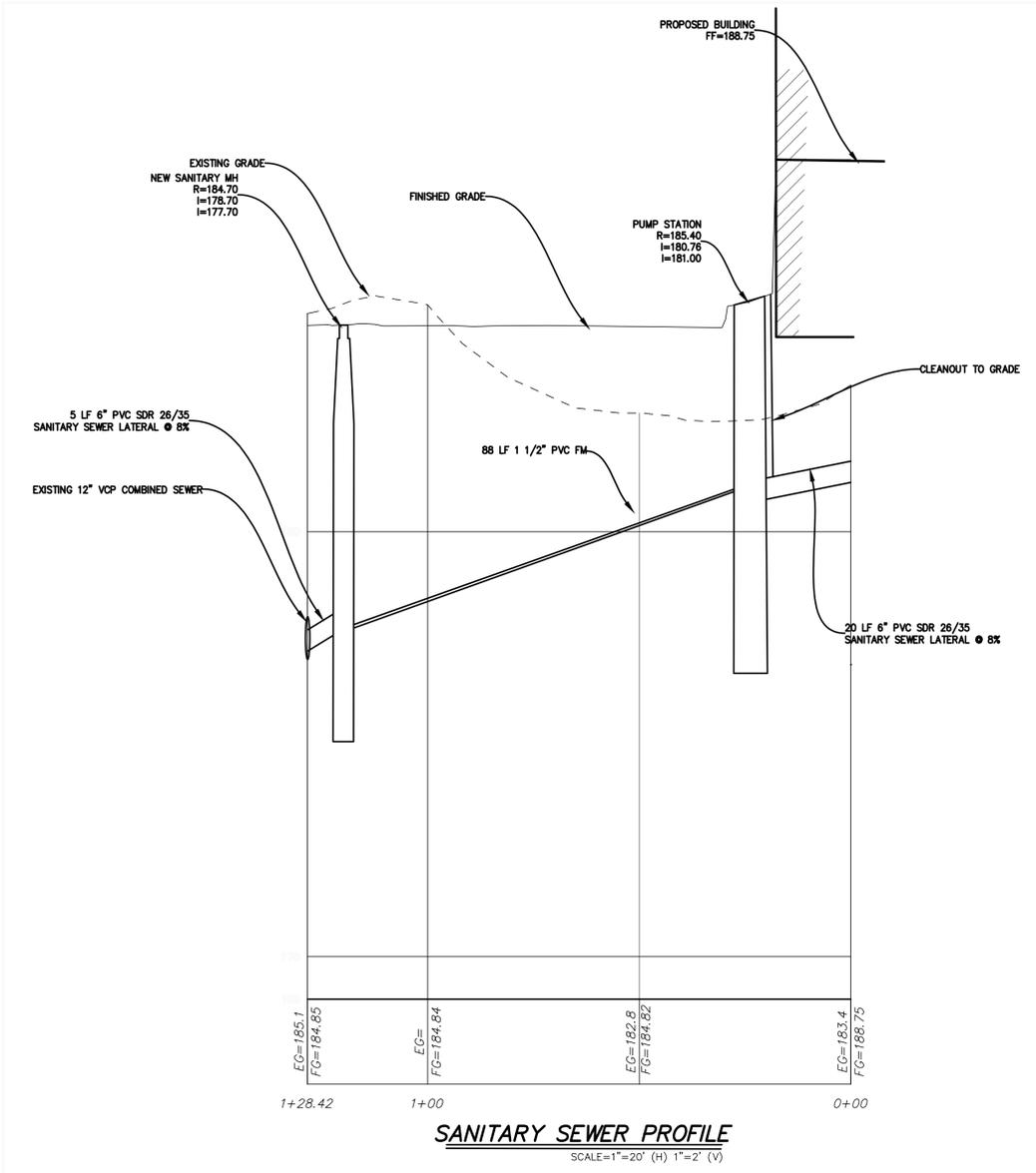
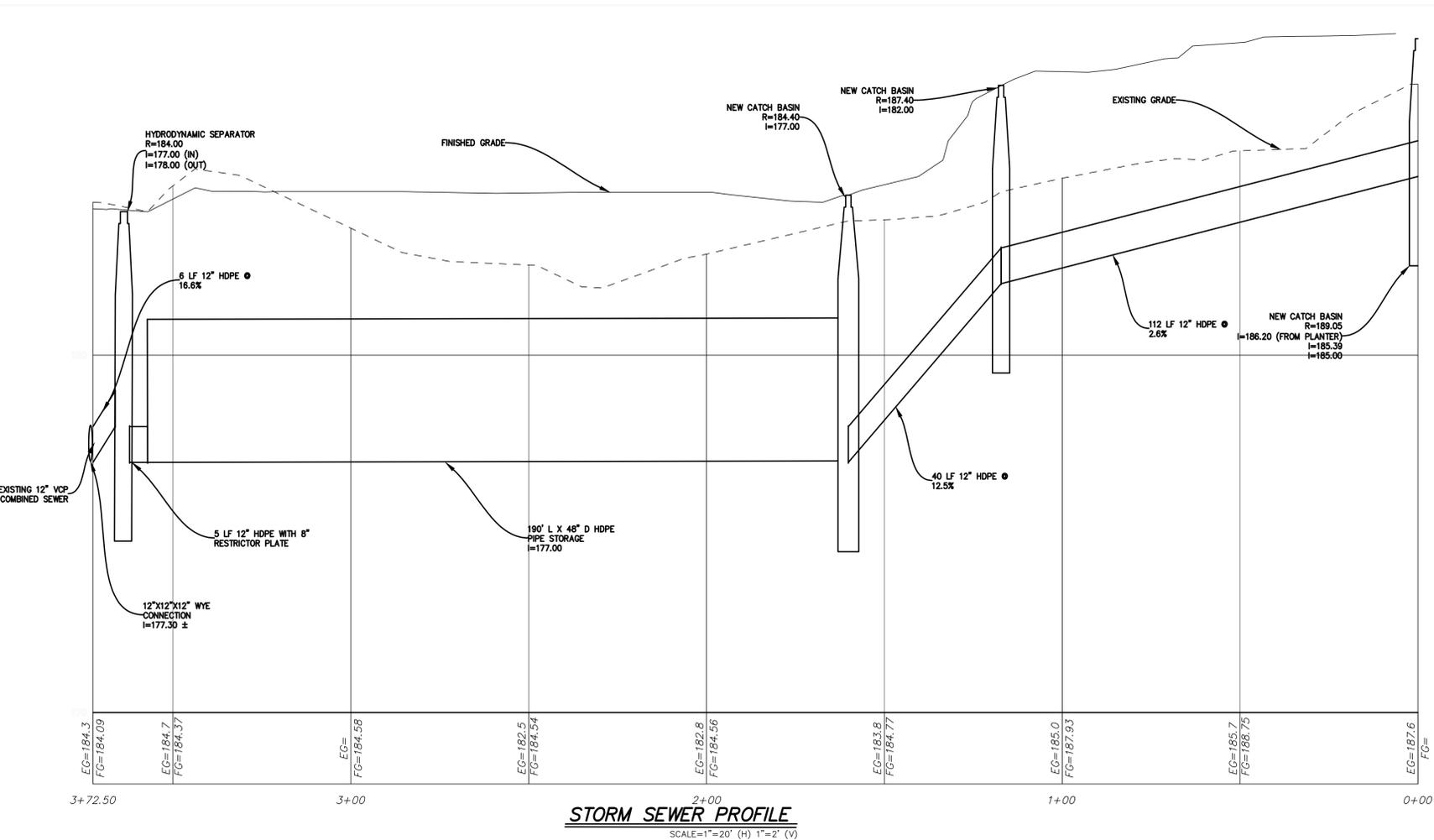








LEGEND			
R.O.W.	RIGHT OF WAY	□	MONUMENT
No.	NUMBER	○	IRON ROD
enc.	ENCROACHMENT	MH	MANHOLE
P.O.B.	POINT OF BEGINNING	▢	CATCHBASIN
S.F.	SQUARE FEET	—	SIGN
N./F.	NOW OR FORMERLY	—	BOLLARD
FL	FEET	—	FENCE LINE
Dep.	DEGREE	—	GUARD RAIL
R	RECORD	—	OVERHEAD WIRE, UTILITY POLE & CITY WIRE
M	MEASURED	↑	TRAFFIC FLOW ACCESS AREA
N	NORTH	+	WATER SHUT OFF
S	SOUTH	⊗	WATER VALVE
E	EAST	⊗	HYDRANT
W	WEST	⊗	GAS VALVE
tel.	TELEPHONE	⊗	GAS TEST
elec.	ELECTRIC	⊗	GAS DRIP
L	LIBER	○	STREET LIGHT
P.	PAGE	☆	LIGHT POLE
—	WATER LINE	▒	CONCRETE
—	SEWER LINE	▒	PAVEMENT
—	GAS LINE	⊗	TREE CONIFEROUS DIAMETER OF TREE
—	UNDERGROUND ELECTRIC	⊗	TREE DECIDUOUS DIAMETER OF TREE



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

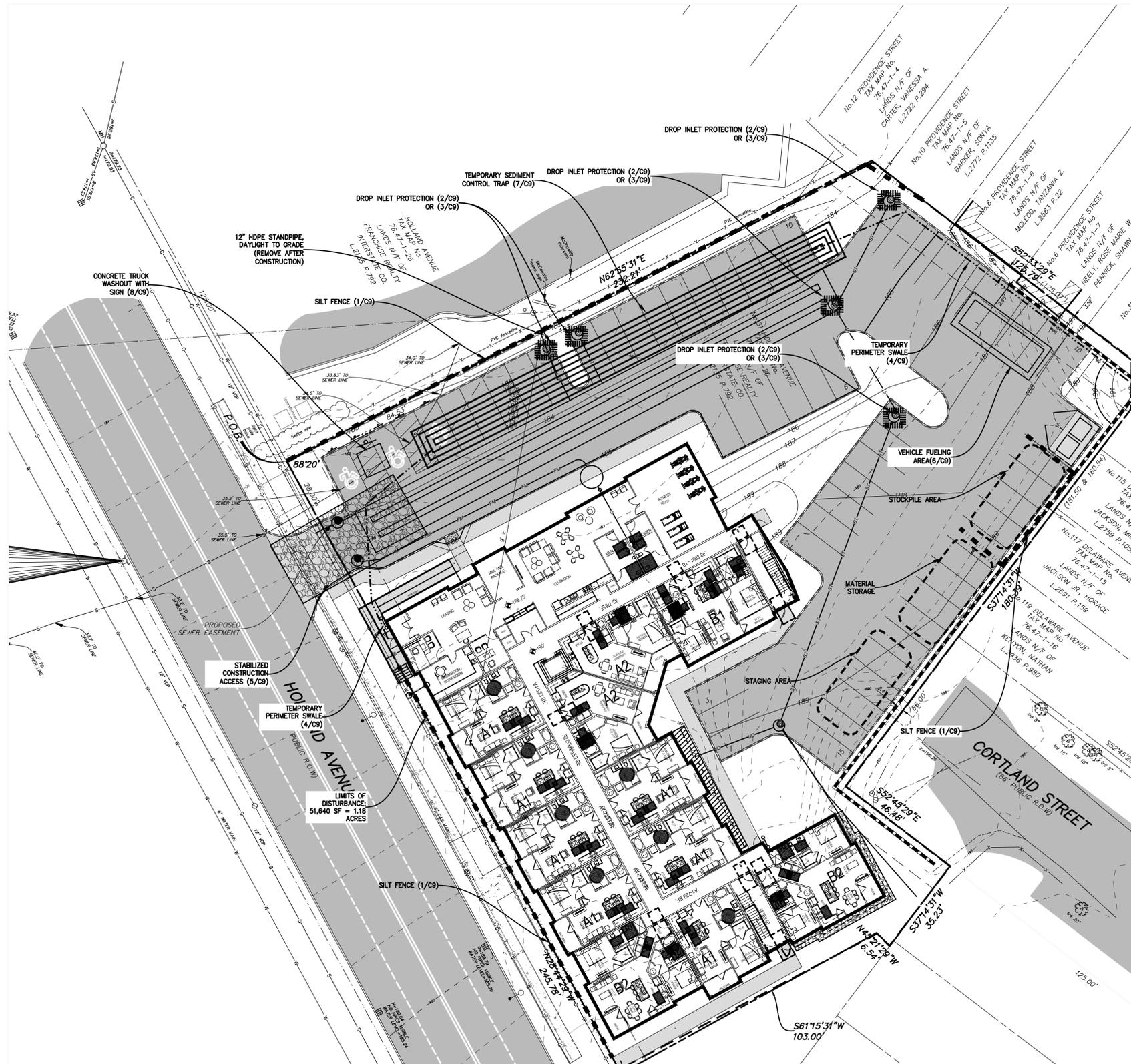
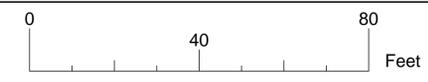
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DANIEL R. HERSHBERG  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
044225

DATE	REVISIONS

**UTILITY PROFILES**  
**THE GALLERY ON HOLLAND**  
**No. 25 HOLLAND AVENUE**  
**CITY OF ALBANY**  
**COUNTY OF ALBANY STATE OF NEW YORK**

FILE: 190200  
SCALE: AS NOTED  
CHK: JPH  
DATE: 8/29/19  
190200-LDMC



- Construction Sequence**
- Commence work on site. WITHIN 10 DAYS OF PRE-CONSTRUCTION MEETING
  - 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.
  - Grade and prepare stabilized construction access. PRIOR TO COMMENCEMENT OF ANY GRADING - STABILIZED CONSTRUCTION ACCESS TO REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED.
  - Commence installation of the interception swale and drop inlet protection. PRIOR TO BUILDING EXCAVATION.
  - 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
    - 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.
  - Clean interception swale and as required. CONTINUOUSLY FROM INSTALLATION UNTIL FILING OF NOTICE OF TERMINATION.
  - Install building, place pavement and prepare lawns and planters. PRIOR TO FILING OF NOTICE OF TERMINATION.
  - Clean any downstream structures of any accumulated silt. PRIOR TO FILING OF NOTICE OF TERMINATION.
  - Fine grade landscape beds. PRIOR TO FILING OF NOTICE OF TERMINATION.
  - Place landscape materials. PRIOR TO FILING OF NOTICE OF TERMINATION.
  - Seed and mulch. PRIOR TO FILING OF NOTICE OF TERMINATION.
  - CONTINUOUSLY FROM INCEPTION UNTIL PROJECT IS COMPLETE.
  - Obtain approval of Project completion from the Department of Water & Water Supply for completion of this Construction Sequence
  - File NOT

**LEGEND**

R.O.W.	RIGHT OF WAY	□	MONUMENT
No.	NUMBER	○	IRON ROD
enc.	ENCROACHMENT	○	MANHOLE
P.O.B.	POINT OF BEGINNING	⊞	CATCHBASIN
S.F.	SQUARE FEET	●	SIGN
N/F	NOW OR FORMERLY	—	BOLLARD
FL	FEET	—	FENCE LINE
Deg	DEGREE	—	GUARD RAIL
R	RECORD	—	OVERHEAD WIRE, UTILITY POLE & CUY WIRE
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N	NORTH	⊞	WATER SHUT OFF
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E	EAST	⊞	HYDRANT
W	WEST	⊞	GAS VALVE
tel.	TELEPHONE	⊞	GAS TEST
elec.	ELECTRIC	⊞	GAS DRIP
L	LIBER	⊞	STREET LIGHT
P	PAGE	⊞	LIGHT POLE
W	WATER LINE	—	CONCRETE
S	SEWER LINE	—	PAVEMENT
G	GAS LINE	—	TREE CONIFEROUS DIAMETER OF TREE
UE	UNDERGROUND ELECTRIC	—	TREE DECIDUOUS DIAMETER OF TREE

**ESC LEGEND**

—	SILT FENCE
—	LIMITS OF DISTURBANCE
—	TEMPORARY SEDIMENT CONTROL TRAP CONTOURS
—	TEMPORARY PERIMETER SWALE
⊞	DROP INLET PROTECTION
□	FUELING AREA
□	STOCKPILE, STAGING, AND MATERIAL STORAGE AREA

**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 #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.

**TEMPORARY EROSION AND SEDIMENT CONTROL NOTES**

- 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.
- 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 MEASURES 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 SHALL VERIFY THE DETAILS CONTAINED IN THE JULY 2016 NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AS ACCEPTABLE PRACTICES IN THE APPROPRIATE APPLICATION.
- THE DEVELOPER/CONTRACTOR OR HIS BUILDER SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT THROUGHOUT THE ENTIRE DEVELOPMENT PROCESS TO ASSURE PROPER FUNCTIONALITY. BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, RE-SEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPILL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDING AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. DURING THESE PERIODIC INSPECTIONS, THE FOLLOWING ITEMS SHOULD BE PAID PARTICULAR ATTENTION:
  - THE BASIN INLET LOCATIONS SHALL BE INSPECTED FOR SILT ACCUMULATION CAUSED BY THE LACK OF ESTABLISHED SURROUNDING VEGETATION.
  - CATCH BASINS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION.
  - SILT FENCING SHALL BE INSPECTED REGULARLY FOR UNDERMINING AND DETRIORATION.
  - SEEDING/MULCHED AREAS SHALL BE INSPECTED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.
- EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE ENGINEER HAS APPROVED FINAL STABILIZATION.
- 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.
- PRIOR TO CONSTRUCTION OF ANY PHASE, THE STABILIZED CONSTRUCTION ACCESS SHALL BE INSTALLED.
- CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES. EQUIPMENT SHALL NOT OPERATE UNNECESSARILY, AND EXISTING PAVEMENT AREAS SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER.
- WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAYS/ROADWAY AREAS AS DIRECTED BY THE ENGINEER.
- ANY WATER PUMPED AS A RESULT OF DEWATERING ACTIVITIES SHALL BE PUMPED INTO A DEWATERING PIT.
- 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.
- ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE RE-SEED AS SOON AS PRACTICABLE. PARTICULAR CARE SHALL BE TAKEN TO RE-SEED DISTURBED SLOPES IN A TIMELY MANNER.
- 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 SLIT CONSTRUCTION SEQUENCING AS APPROVED BY THE ENGINEER.
- 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.
- STOCK PILES SHALL BE SEEDING 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.
- IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.

**EROSION AND SEDIMENT CONTROL NOTES**

- ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING, STAKING, 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 OP-0-15-002, 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.
  - 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 WITH THIS PERMIT REQUIREMENT. THE SITE WILL BE MONITORED AT ALL TIMES TO ENSURE SOIL DISTURBANCE DOES NOT EXCEED 1 ACRE. IF THE SOIL DISTURBANCE EXCEEDS ONE ACRE AT ANY TIME, A STOP WORK ORDER WILL BE ISSUED UNTIL THE SITE RECEIVES COVERAGE UNDER SPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY.
  - THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
  - DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.
  - 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 SLOUGH GRADED AND SLOPES PHYSICALLY STABLE. LARGE DEBRIS AND ROCKS ARE USUALLY REMOVED. SEEDING MUST BE SEEDING WITHIN 24 HOURS OF DISTURBANCE OR SCOURING OF THE SOIL SURFACE. MULCHING SHALL 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 0.2 LB./1000 SQ. FT. OR USE 1 LB./1000 SQ. FT.)
- IF: LATE FALL OR EARLY WINTER, THEN SEED CERTIFIED "AROSTOCK" WINTER RYE (CEREAL RYE) AT 100 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 CONCERN. 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 MANUFACTURER'S 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 MILKWEED SEEDS.
- MULCH ANCHORING GUIDE - TABLE 4.3, PAGE 4-61.
- | 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 CROSS-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.   |
- INSTALL PERMANENT RIP-RAP AT ALL PIPE END SECTIONS AT TIME OF INSTALLATION OF PIPE.
  - SEE REMAINDER OF PLANS FOR PERMANENT IMPROVEMENTS. PERMANENT IMPROVEMENTS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY.
  - PAVED AREAS ARE TO BE SWEEP DAILY TO REMOVE ANY SEDIMENT AND ALL NEWLY PAVED AREAS SHALL BE DIRECTED TO THE TEMPORARY OR FINAL SEDIMENT CONTROL BASINS.

**WINTER CONDITIONS ITEMS TO BE ADDRESSED**

- Identify areas within the site to store snow which is tributary to the temporary perimeter swale. As work progresses this area may move but positive drainage tributary to the temporary perimeter swale must be maintained.
- Widen stabilized construction access points to a minimum of 28 feet. Where pavement forms a portion of that route, maintain 50 feet of stone pavement meeting the detail as shown on the SWPPP plan. Stockpile a minimum of 25 cubic yard of stone for the purposes of establishing stone access point after snow storms.
- Where any areas at the street grade or within two feet of the street grade remain disturbed overnight, stabilize those areas using 6" of broken stone.
- Where equipment or vehicles are traversing the bottom of the excavation, establish paths using 6" of broken stone.
- At any point on the perimeter where drainage from accumulated snow or ice will drain away from the site protect these areas with fiber rolls or polyethylene coated check dam materials (Filtertex, Erosion eel or equal).
- If work is to cease for more than 3 days, stabilize all disturbed soils.

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Albany, New York 12203

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STATE OF NEW YORK  
DANIEL R. HERSHBERG  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
044275

DATE	REVISIONS

EROSION AND SEDIMENT CONTROL PLAN

THE GALLERY ON HOLLAND AVENUE

No. 25 HOLLAND AVENUE

CITY OF ALBANY

COUNTY OF ALBANY STATE OF NEW YORK

FILE: 190200

SCALE: 1"=20'

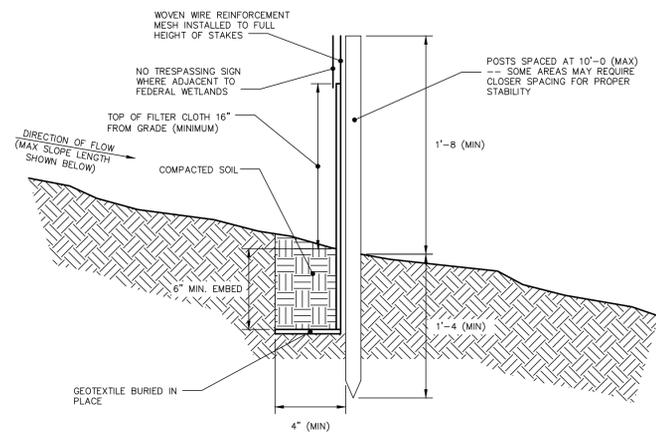
DATE: 8/29/19

CHK: JWH

GY: MD

07





**MAXIMUM ALLOWABLE SLOPE LENGTH**

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

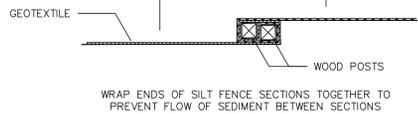
SLOPE STEEPNESS:	MAX. SLOPE LENGTH:
1:2	25 FT
1:3	50 FT
1:4	75 FT
1:5 OR FLATTER	100 FT

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**

- INSTALL SILT FENCE IN ACCORDANCE WITH "THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
- WOVEN WIRE FENCE SHALL BE 12 1/2 GA., 6" MAXIMUM MESH OPENING, FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER SILT FENCE JOINT DETAIL ON THIS SHEET.
- 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.



**SILT FENCE JOINT DETAIL**

**1 C9 SILT FENCE DETAIL**

**CONSTRUCTION SPECIFICATIONS:**

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
- THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- ALL FILL SLOPES SHALL BE 2:1 OR FLATTER; CUT SLOPES 1:1 OR FLATTER.
- ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
- THE TOP 2/3 OF THE RISER SHALL BE PERFORMED WITH ONE (1) INCH DIAMETER HOLES OR SLITS SPACED SIX (6) INCHES VERTICALLY AND HORIZONTALLY AND PLACED IN THE CONCAVE PORTION OF PIPE. NO HOLES WILL BE ALLOWED WITHIN SIX (6) INCHES OF THE HORIZONTAL BARREL.
- THE RISER SHALL BE WRAPPED WITH 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH (HAVING EQUIVALENT SIEVE SIZE OF 40-60). THE FILTER CLOTH SHALL EXTEND SIX (6) INCHES ABOVE THE HIGHEST HOLE AND SIX (6) INCHES BELOW THE LOWEST HOLE WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVER-LAPPED, FOLDED AND STAPLED TO PREVENT BYPASS.
- STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH.
- FILL MATERIAL ALONG THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN FOUR (4) INCH LAYERS. A MINIMUM OF TWO (2) FEET OF HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
- THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE TO PREVENT FLOTATION. FOR CONCRETE BASE THE DEPTH SHALL BE TWELVE (12) INCHES WITH THE RISER EMBEDDED NINE (9) INCHES. A 1/4 INCH THICKNESS STEEL PLATE SHALL BE ATTACHED TO THE RISER BY A CONTINUOUS WELD AROUND THE BOTTOM TO FORM A WATERTIGHT CONNECTION AND THE PLATE TWO (2) FEET OF STONE, GRAVEL, OR TAMPED EARTH ON THE PLATE.

**DESIGN CRITERIA:**

IF THE DRAINAGE AREA TO THE PROPOSED TRAP LOCATION EXCEEDS 5 ACRES, OR THE TRAP IS IN PLACE BEYOND OR CONSTRUCTION SEASON OR ANY OF THE ADDITIONAL DESIGN CRITERIA PRESENTED HERE CANNOT BE MET, A FULL SEDIMENT BASIN MUST BE USED. SEE STANDARD AND SPECIFICATION FOR SEDIMENT BASIN ON PAGE 5.18.

**DRAINAGE AREA** - THE MAXIMUM DRAINAGE AREA FOR ALL SEDIMENT TRAPS SHALL BE 5 ACRES.

**LOCATION** - SEDIMENT TRAPS SHALL BE LOCATED SO THAT THEY CAN BE INSTALLED PRIOR TO GRADING OR FILLING IN THE DRAINAGE AREA THEY ARE TO PROTECT. TRAPS MUST NOT BE LOCATED ANY CLOSER THAN 20 FEET FROM A PROPOSED BUILDING FOUNDATION IF THE TRAP IS TO BE USED DURING BUILDING CONSTRUCTION. LOCATE TRAPS TO OBTAIN MAXIMUM STORAGE BENEFIT FROM THE TERRAIN AND FOR EASE OF CLEANOUT AND DISPOSAL OF THE TRAPPED SEDIMENT.

**TRAP SIZE** - THE VOLUME OF A SEDIMENT TRAP AS MEASURED AT THE ELEVATION OF THE CREST OF THE OUTLET SHALL BE AT LEAST 8000 CUBIC FEET PER ACRE OF DRAINAGE AREA. A MINIMUM LENGTH TO WIDTH RATIO OF 2:1 SHOULD BE PROVIDED. THE VOLUME OF A CONSTRUCTED TRAP SHALL BE CALCULATED USING STANDARD MATHEMATICAL PROCEDURES. THE VOLUME OF A NATURAL SEDIMENT TRAP MAY BE APPROXIMATED BY THE EQUATION: VOLUME (CUFT) = 0.4 X SURFACE AREA (SQ FT) X MAXIMUM DEPTH (FT).

**TRAP CLEANOUT** - SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO THE ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 3/4 OF THE DESIGN DEPTH OF THE TRAP. SEDIMENT SHALL BE MINIMAL. EXCAVATED PORTIONS OF SEDIMENT TRAPS SHALL HAVE 1:1 OR FLATTER SLOPES.

**EMBANKMENT** - ALL EARTH EMBANKMENTS FOR SEDIMENT TRAPS SHALL NOT EXCEED FIVE (5) FEET IN HEIGHT AS MEASURED AT THE LOW POINT OF THE ORIGINAL GROUND ALONG THE CENTERLINE OF THE EMBANKMENT. EMBANKMENTS SHALL HAVE A MINIMUM 2:1 HORIZONTAL TO VERTICAL AND SIDE SLOPES OF 2:1 OR FLATTER. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH AS SOON AS IT IS COMPLETED.

**OUTLET** - THE ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER TO ANY SEDIMENT TRAP WILL EQUAL OR EXCEED THE MAXIMUM HEIGHT OF THE OUTLET STRUCTURE ALONG THE ENTIRE LENGTH OF THE TRAP.

**EXCAVATION** - ALL EXCAVATION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMAL. EXCAVATED PORTIONS OF SEDIMENT TRAPS SHALL HAVE 1:1 OR FLATTER SLOPES.

**OUTLET** - THE OUTLET SHALL BE DESIGNED, CONSTRUCTED, AND MAINTAINED IN SUCH A MANNER THAT SEDIMENT DOES NOT LEAVE THE TRAP AND THAT EROSION AT OR BELOW THE OUTLET DOES NOT OCCUR.

SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED (PREFERABLE UNDISTURBED) GROUND, INTO A WATERCOURSE, STABILIZED CHANNEL, OR INTO A STORM DRAIN SYSTEM. DISTANCE BETWEEN INLET AND OUTLET SHOULD BE MAXIMIZED TO THE LONGEST LENGTH PRACTICABLE. ALL TRAPS MUST BE SEED AND MULCHED IMMEDIATELY AFTER CONSTRUCTION.

**MINIMUM SIZES**

BARREL DIAMETER* (INCHES)	RISER DIAMETER* (INCHES)	MAXIMUM DRAINAGE AREA (ACRES)
12	1	1
15	1	2
18	1	3
21	2	4
24	2	5

\* BARREL DIAMETER MAY BE SAME SIZE AS RISER DIAMETER

**CONSTRUCTION SEQUENCE SUMMARY TABLE**

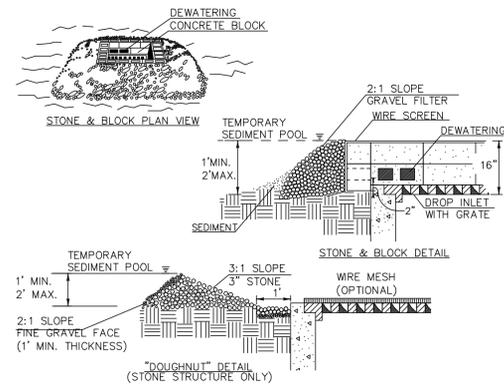
CS#	DISTURBED AREA
CS1	1.18

**TEMPORARY SEDIMENT TRAP SUMMARY TABLE**

DESCRIPTION	TRAP No.1
TYPE	
DRAINAGE AREA	1.18 ACRES
STORAGE PROVIDED*	157 C.Y.
PIPE OUTLET	12" C.Y.
DEPTH BELOW OUTLET	12"
EMBANKMENT HT.	4.5'
SOX CLEANOUT ELEVATION	199.25
INVERT OUT ELEVATION	203.00
LENGTH X WIDTH X HT*	155'x15'x2'

\*STORAGE CAPACITY FROM THE TOP ELEVATION OF THE RISER PIPE OUTLET TO THE TRAP BOTTOM

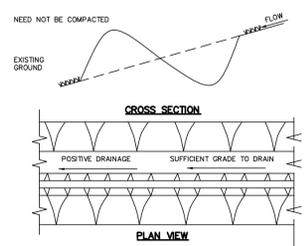
**7 C9 TEMPORARY SEDIMENT CONTROL TRAP DETAIL**



**CONSTRUCTION SPECIFICATIONS**

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2" MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
- HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
- USE CLEAN STONE OR GRAVEL 1/2" - 3/4" IN DIAMETER PLACED 2" BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
- FOR STONE STRUCTURES ONLY, A 1" THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3" STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE

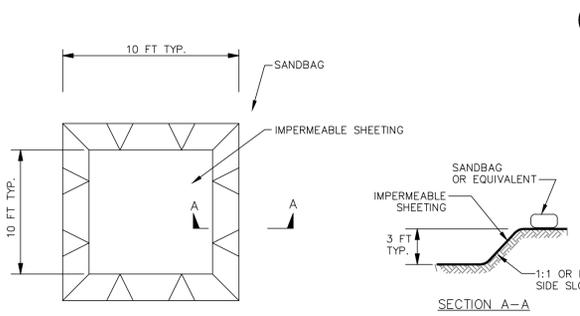
**3 C9 STONE AND BLOCK DROP INLET PROTECTION DETAIL**



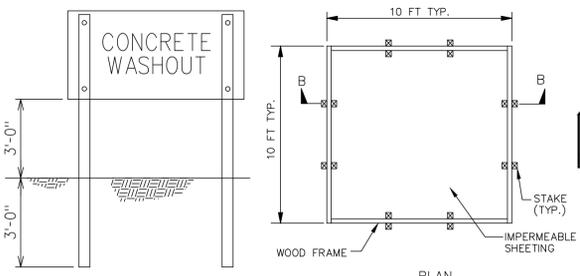
**DESIGN CRITERIA:**

- THE PERIMETER DIKE/SWALE 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 EXCEPT 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).
- MAX. DRAINAGE AREA LIMIT: 2 ACRES

**4 C9 TEMPORARY PERIMETER DIKE OR SWALE DETAIL**

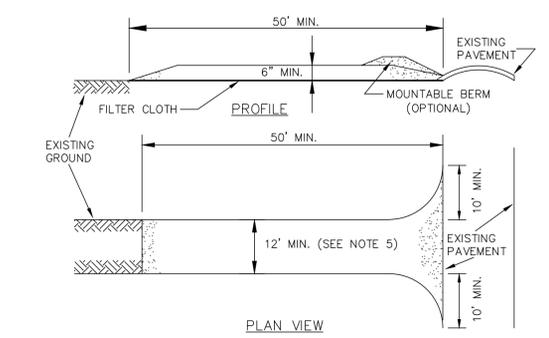


**EXCAVATED WASHOUT STRUCTURE**



**CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)**

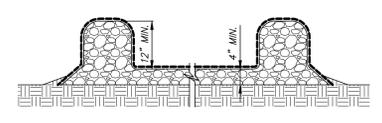
**8 C9 ONSITE CONCRETE TRUCK WASHOUT STRUCTURE DETAIL**



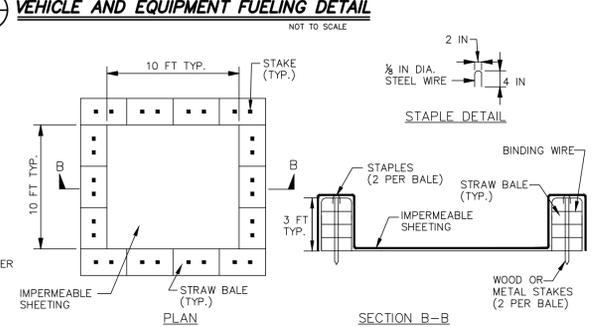
**CONSTRUCTION SPECIFICATIONS:**

- INSTALL CONSTRUCTION ACCESS IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET [EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY].
- THICKNESS - NOT LESS THAN (6) INCHES.
- 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.
- STABILIZATION FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**5 C9 STABILIZED CONSTRUCTION ACCESS DETAIL**



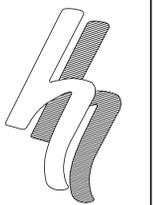
**6 C9 VEHICLE AND EQUIPMENT FUELING DETAIL**



**WASHOUT STRUCTURE WITH STRAW BALES**

**CONSTRUCTION SPECIFICATIONS:**

- 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.
- 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.
- 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.
- PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
- KEEP CONCRETE WASHOUT STRUCTURE 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.



**HERSHBERG & HERSHBERG**  
Consulting Engineers and Land Surveyors

18 Locust Street  
Albany, New York 12203

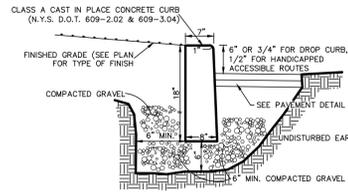
ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, IS ILLEGAL



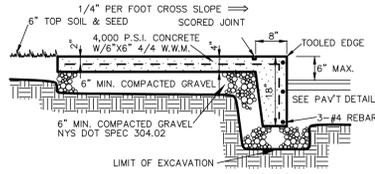
DATE	REVISIONS

EROSION AND SEDIMENT CONTROL DETAILS  
 THE GALLERY ON HOLLAND  
 No. 25 HOLLAND AVENUE  
 CITY OF ALBANY  
 COUNTY OF ALBANY STATE OF NEW YORK

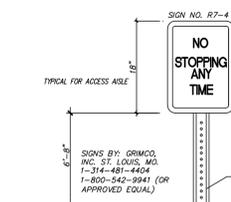
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BY: JPD  
CHECKED BY: JPD  
190200-1.DWG



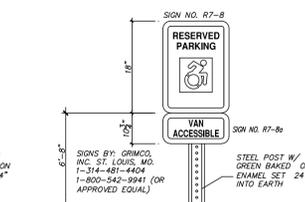
**1**  
C10  
**CONCRETE CURB  
(CAST IN PLACE) DETAIL**  
NOT TO SCALE



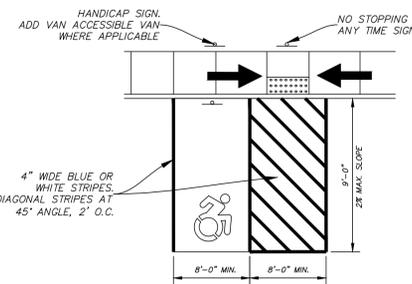
**2**  
C10  
**INTEGRAL WALK & CURB DETAIL**  
NOT TO SCALE



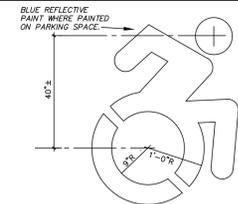
**3**  
C10  
**HANDICAP SIGN**  
N.T.S. TYPICAL FOR ACCESSIBLE



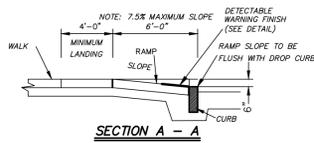
**4**  
C10  
**HANDICAP SIGN**  
N.T.S. TYPICAL FOR PARKING SPACE



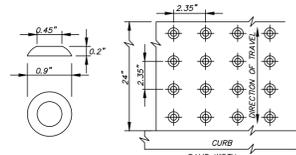
**5**  
C10  
**HANDICAPPED PAVEMENT  
STRIPING DETAIL**



**6**  
C10  
**HANDICAP SYMBOL**  
N.T.S.



**SECTION A - A**



**PLAN**

- DETECTABLE WARNING SURFACE NOTES:**
- 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.
  - INSTALLATION SHALL MEET ALL APPLICABLE ADA CODES AND STANDARDS.
  - CONFORM TO STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION MAPS ENTITLED "DETECTABLE WARNING DETAILS, NO. M608-5R1".

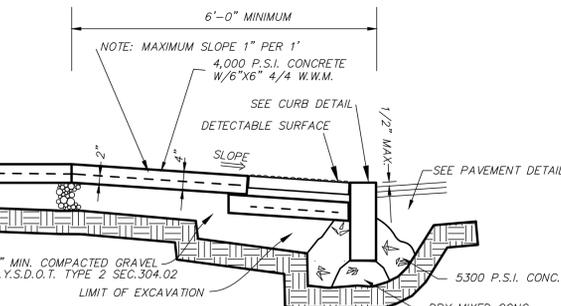
- DETECTABLE WARNING UNIT DIMENSIONS:**
- THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.

- DOMES ALIGNMENT:**
- 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.
  - WHERE DOMES ARE ARRANGED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

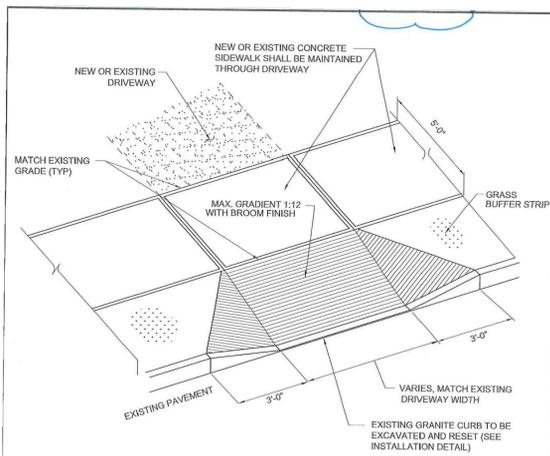
- DETECTABLE WARNING COLOR REQUIREMENTS:**
- THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

- DETECTABLE WARNING LOCATIONS:**
- DETECTABLE WARNING 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).
  - 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**



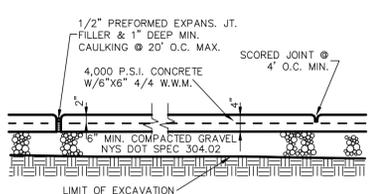
**8**  
C10  
**HANDICAPPED RAMP DETAIL**  
NOT TO SCALE



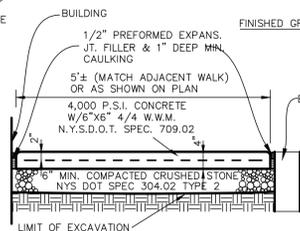
- NOTE:**
- CURB REVEALS SHALL BE 1/2" MAX WHERE RAMP MEETS PAVEMENT AT ROADWAY.
  - INSTALL TOPSOIL TO A 6" MINIMUM DEPTH IN BUFFER STRIP.
  - SIDEWALK SHALL BE INSTALLED FLUSH WITH EXISTING DRIVEWAY.
  - SEED AND MULCH BUFFER STRIP.
  - SEE STANDARD SIDEWALK DETAIL FOR SIDEWALK INSTALLATION.

**10**  
C10  
**CONCRETE DRIVEWAY APRON DETAIL**  
NOT TO SCALE

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

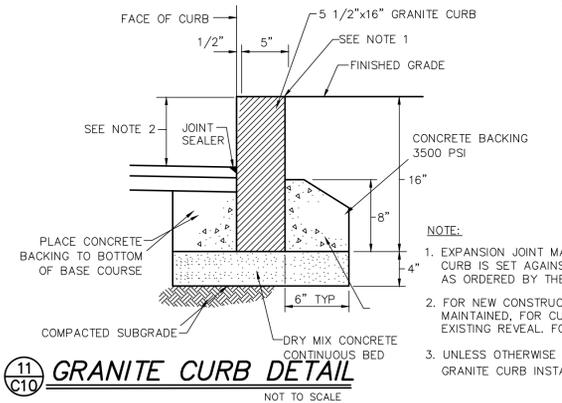


**LONGITUDINAL SECTION**



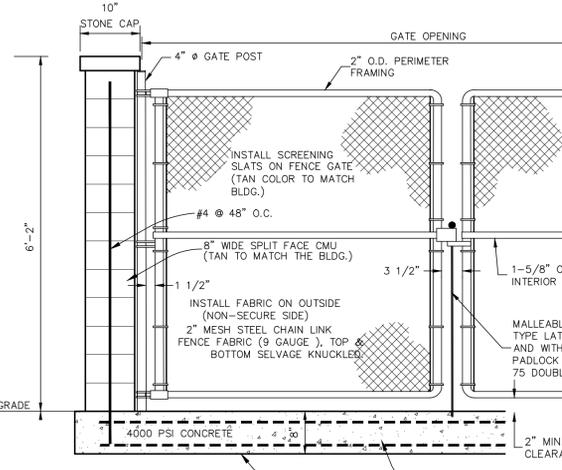
**CROSS SECTION**

**13**  
C10  
**CONCRETE WALK REPAIR DETAIL IN CITY R.O.W.**  
NOT TO SCALE

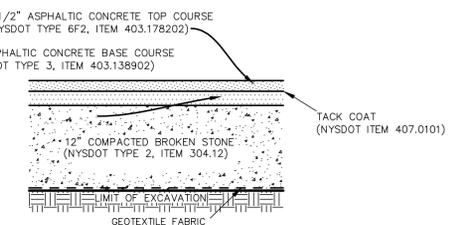


**11**  
C10  
**GRANITE CURB DETAIL**  
NOT TO SCALE

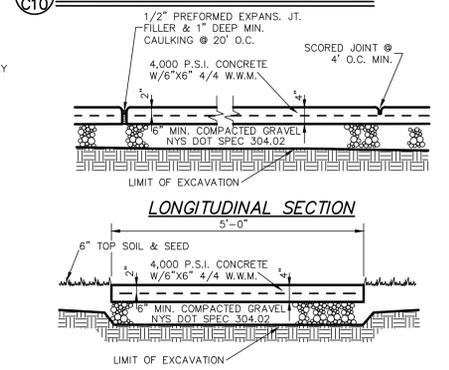
- NOTE:**
- EXPANSION JOINT MATERIAL SHALL BE INSTALLED WHEN CURB IS SET AGAINST NEW OR EXISTING SIDEWALK AS ORDERED BY THE ENGINEER.
  - FOR NEW CONSTRUCTION, A 6" CURB REVEAL SHALL BE MAINTAINED, FOR CURB REPLACEMENT OR RESETTING, MATCH EXISTING REVEAL. FOR DROP CURB, MAXIMUM HEIGHT SHALL BE 1/2".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



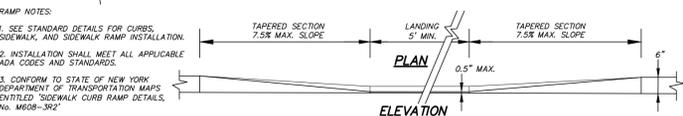
**14**  
C10  
**DUMPSTER ENCLOSURE & GATE DETAIL**  
NOT TO SCALE



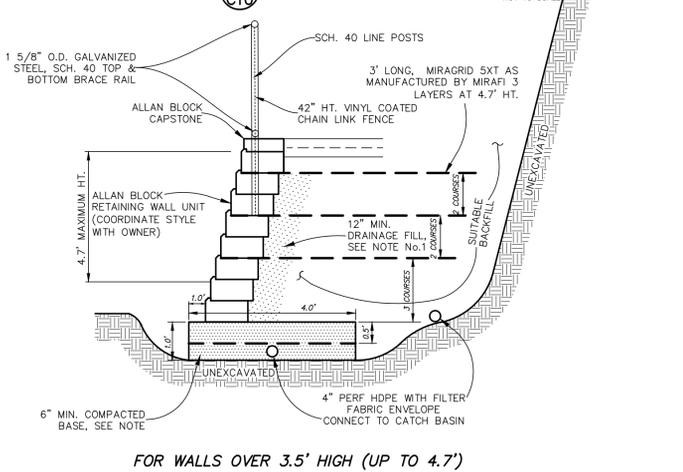
**15**  
C10  
**ASPHALT PAVEMENT DETAIL**



**16**  
C10  
**CONCRETE WALK DETAIL**  
NOT TO SCALE



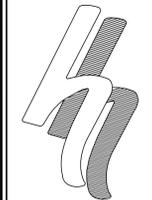
**12**  
C10  
**SEGMENTED BLOCK RETAINING WALL DETAIL**  
NOT TO SCALE



**7**  
C10  
**HANDICAPPED RAMP PLAN**  
NOT TO SCALE

- NOTE:**
- BASE AND DRAINAGE MATERIAL MUST BE WELL GRADED COMPACTIBLE AGGREGATE, 0.25 INCH TO 1.5 INCH, (5mm-38mm) WITH NO MORE THAN 10% PASSING THE #200 SIEVE.
  - SUBMIT SHOP DRAWINGS FOR APPROVAL STAMPED BY A NEW YORK STATE LICENSED ENGINEER FOR FINAL WALL DESIGN.
  - SEE FENCE (FOR FALL PROTECTION) INSTALLATION DETAIL.

**12**  
C10  
**SEGMENTED BLOCK RETAINING WALL DETAIL**  
NOT TO SCALE



**HERSHBERG & HERSHBERG**  
Consulting Engineers and Land Surveyors

18 Locust Street  
Albany, New York 12203

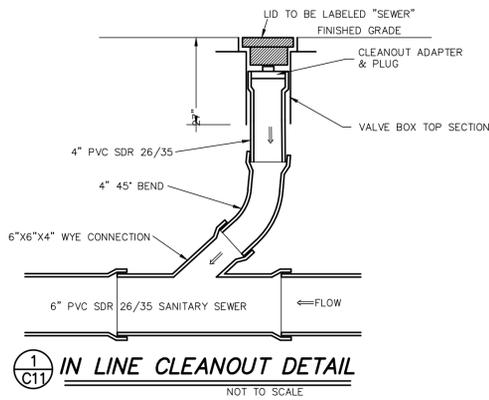
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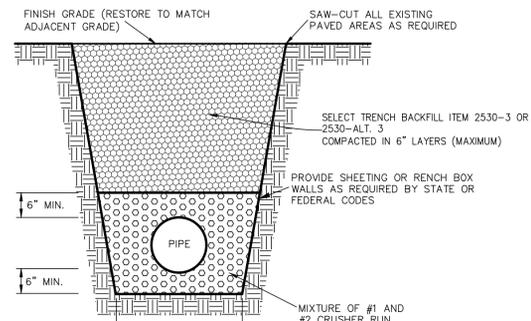
DATE	REVISIONS

**SITE DETAILS**  
**THE GALLERY ON HOLLAND**  
**No. 25 HOLLAND AVENUE**  
**CITY OF ALBANY**  
**COUNTY OF ALBANY STATE OF NEW YORK**  
FILE: 190200  
SCALE: AS NOTED  
CHK: JRY  
DATE: 02/28/19  
190200-LDW

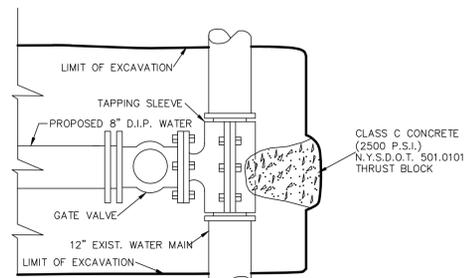
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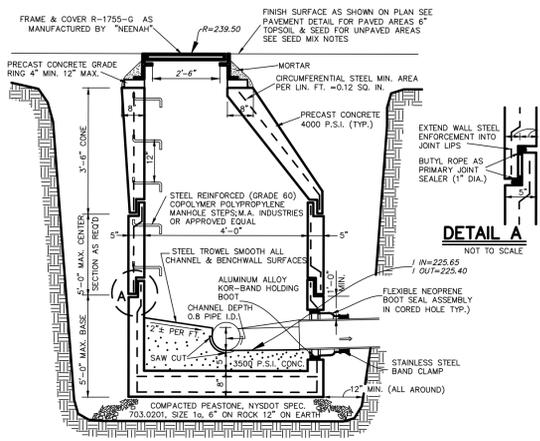
**1** IN LINE CLEANOUT DETAIL  
NOT TO SCALE



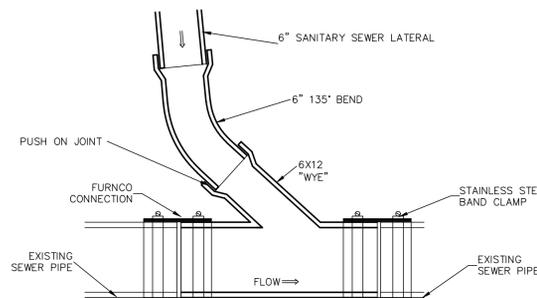
**2** TYPICAL SANITARY SEWER & WATER MAIN TRENCH DETAIL  
NOT TO SCALE



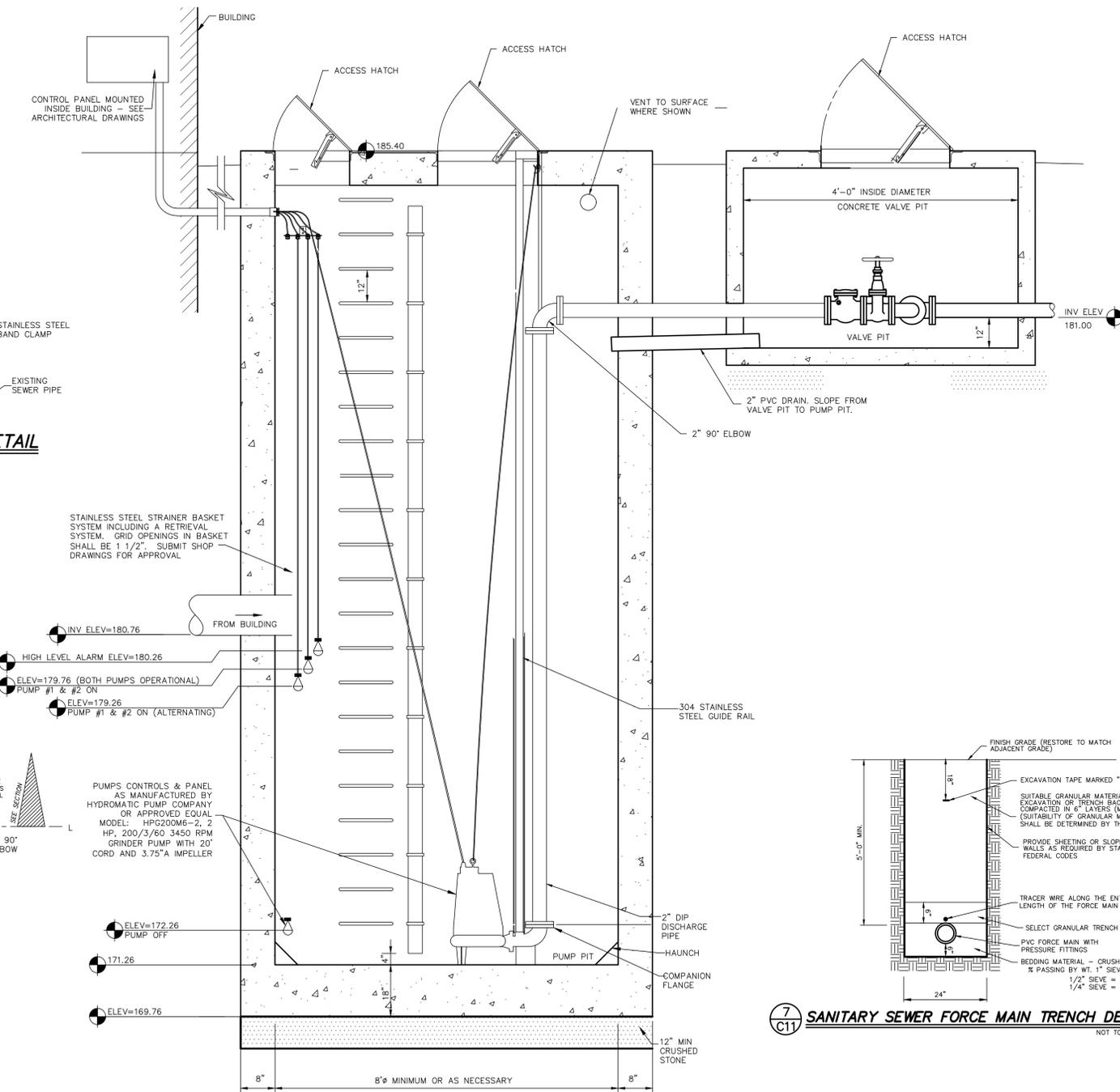
**3** TAPPING VALVE & SLEEVE DETAIL  
NOT TO SCALE



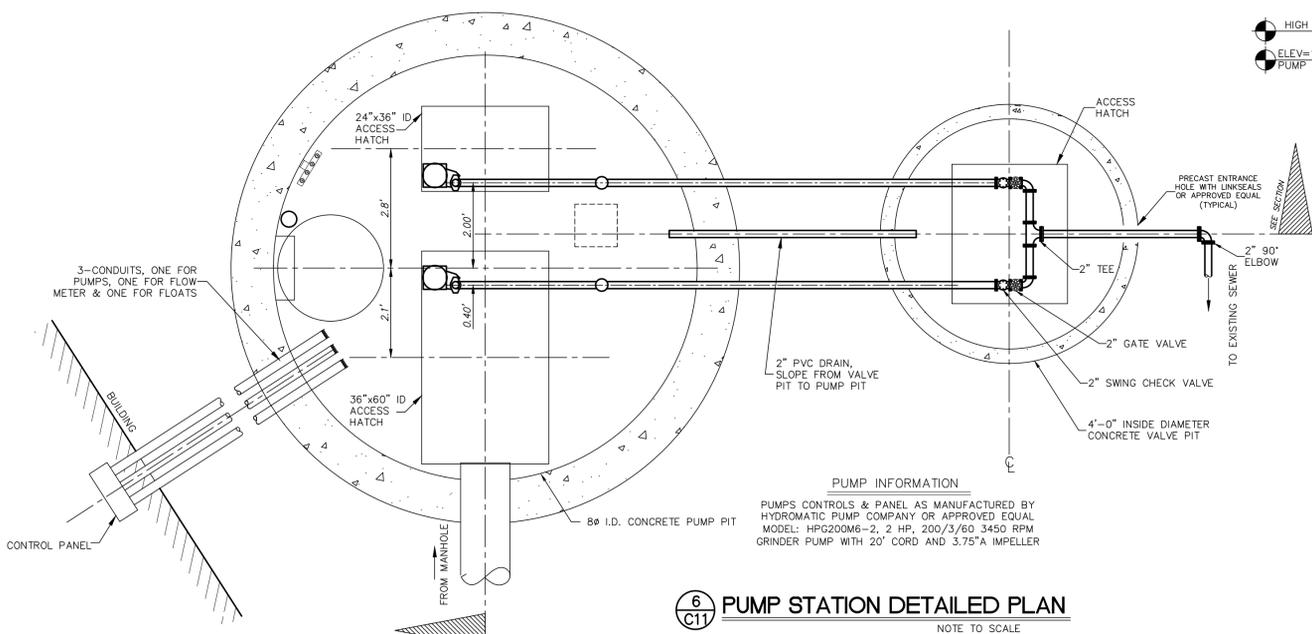
**4** SANITARY SEWER MANHOLE DETAIL  
NOT TO SCALE



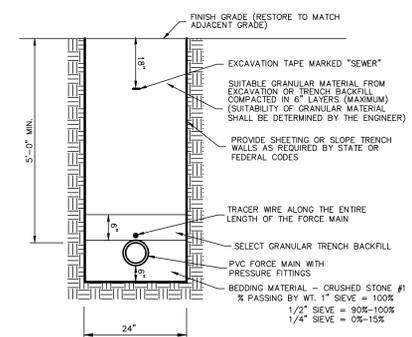
**5** PLAN SECTION WYE CONNECTION DETAIL  
NOT TO SCALE



**PUMP STATION DETAILED SECTION**  
NOTE TO SCALE



**6** PUMP STATION DETAILED PLAN  
NOTE TO SCALE



**7** SANITARY SEWER FORCE MAIN TRENCH DETAIL  
NOT TO SCALE

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DATE	REMARKS

**WATER AND SEWER DETAILS**  
**THE GALLERY ON HOLLAND**  
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**CITY OF ALBANY**  
**COUNTY OF ALBANY STATE OF NEW YORK**

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