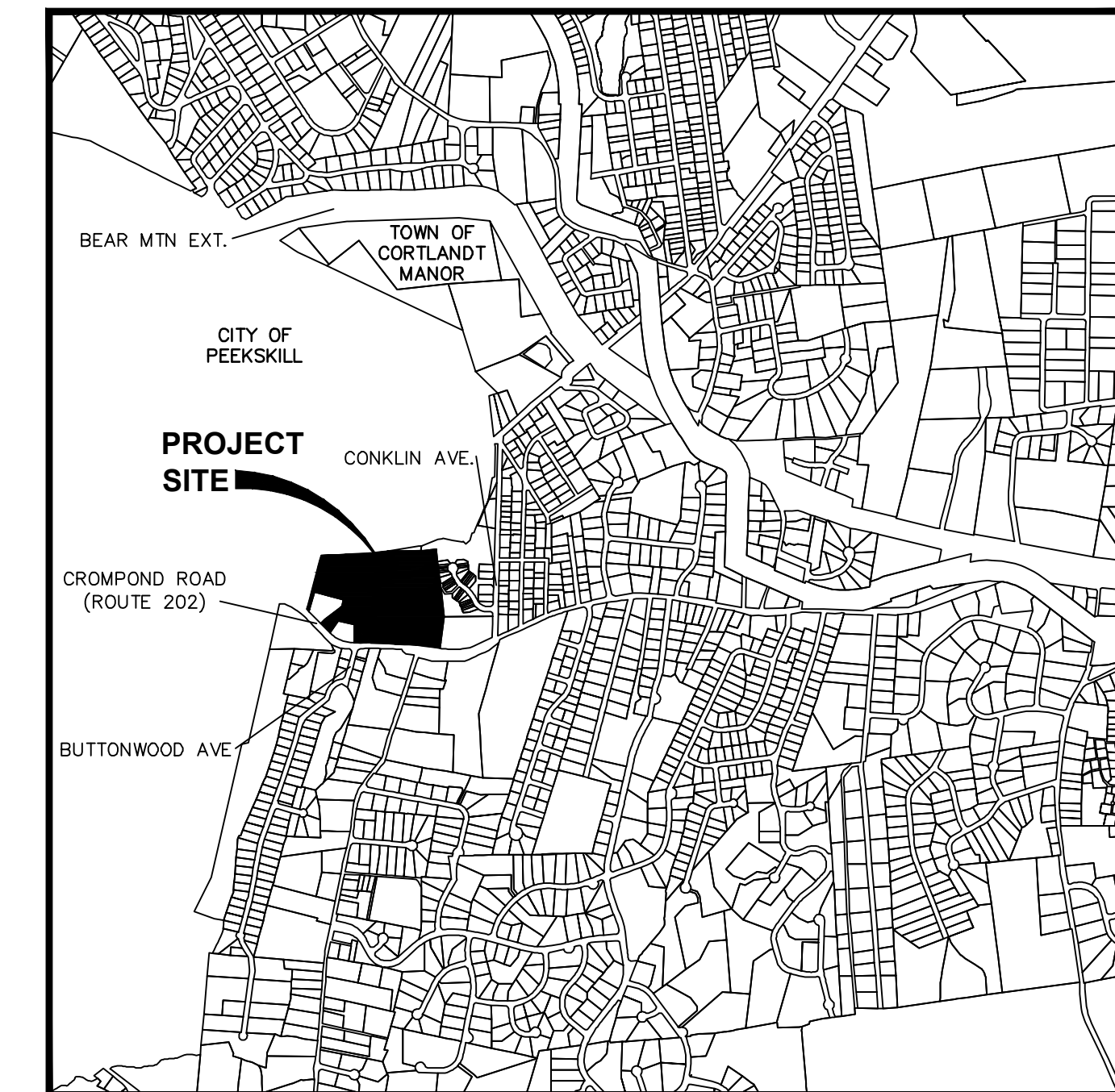


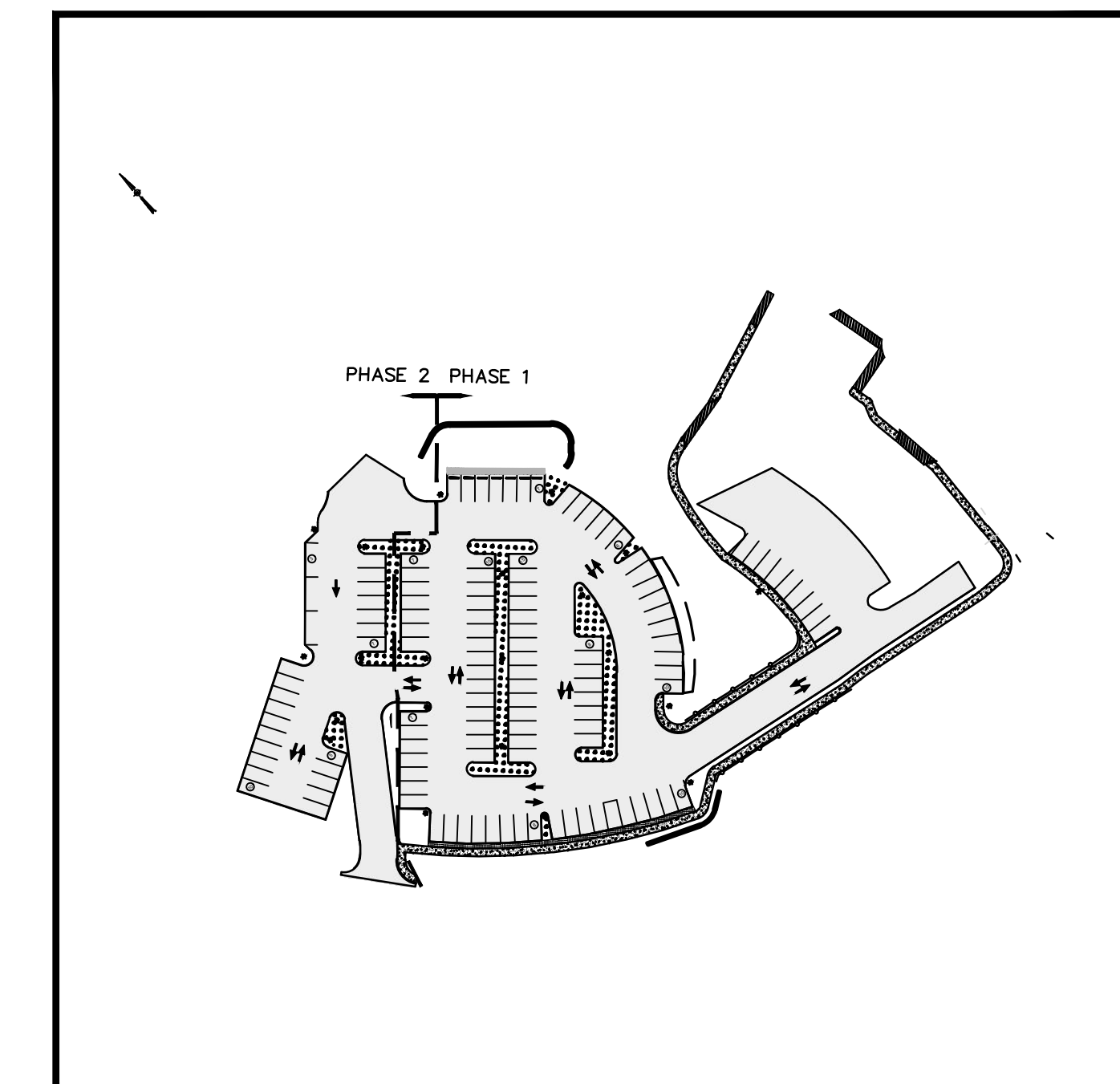
# NEW YORK-PRESBYTERIAN HUDSON VALLEY HOSPITAL CENTER

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

AUGUST 19, 2020



LOCATION MAP  
SCALE: 1"=1500'



PHASING MAP  
SCALE: 1"=100'

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18	0	C590	08/19/20	PHOTOMETRIC DETAILS

**RECORD OWNER:**

HUDSON VALLEY HOSPITAL CENTER  
1980 CROMPOND ROAD  
CORTLANDT MANOR, NY 10567

**SITE CIVIL ENGINEER:**

CHAZEN ENGINEERING & LAND SURVEYING CO., P.C.  
21 FOX STREET, POUGHKEEPSIE, NY 12601  
PHONE: (845) 454-3980

**DEVELOPER / APPLICANT:**

HUDSON VALLEY HOSPITAL CENTER  
1980 CROMPOND ROAD  
CORTLANDT MANOR, NY 10567

**TAX MAP INFORMATION:**

TOWN OF CORTLANDT, SECTION 33.8, BLOCK 1, LOT 1  
TOWN OF CORTLANDT, SECTION 33.8, BLOCK 1, LOT 2

**ZONING DISTRICT**

COMMUNITY COMMERCIAL (CC)

**AREA:**

LOT 1 ACREAGE: 10.01 ACRES  
LOT 2 ACREAGE: 0.86 ACRES  
TOTAL PROJECT ACREAGE: 10.87 ACRES

**GENERAL TABLE:**

	EXISTING	PROPOSED
TOTAL DISTURBED AREA	---	2.39 ACRES
IMPERVIOUS AREA	4.54 ACRES	4.86 ACRES
PERCENT IMPERVIOUS	42%	45%
LANDSCAPE AREA	6.33 ACRES	6.01 ACRES
PERCENT LANDSCAPE <sup>1</sup>	58%	55%
PARKING SPACES	57 SPACES	EXISTING TO REMAIN: 47 SPACES PHASE 1: 94 SPACES PHASE 2: 25 SPACES TOTAL: 166 SPACES

**NOTES:**

<sup>1</sup> MINIMUM LANDSCAPE COVERAGE IN CC ZONING DISTRICT IS 30%.

**PARKING LOT AREA/LANDSCAPE**

	REQUIRED	PROPOSED
PARKING LOT AREA	---	71,234 SF
INTERNAL LANDSCAPING	5.0%	4,884 SF (6.9%)

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21 Fox Street  
Poughkeepsie, New York 12601

rev.	date	description
1	8/19/20	REVISED FOR PLANNING BOARD SUBMITTAL

HUDSON VALLEY HOSPITAL CENTER

**TITLE SHEET**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
08/19/20	CUL
project no.	80940.09
sheet no.	G001



**LEGEND:**

EXISTING CONDITIONS: NO PHYSICAL BOUNDS, ADJACENT PROPERTY LINE, EXISTING MAJOR CONTOUR, EXISTING MINOR CONTOUR, EXISTING SPOT GRADE, EXISTING PROPERTY EASEMENT, EXISTING RIGHT OF WAY, NYSDEC WETLANDS LINE, NYSDEC ADJACENT AREA, ACOE WETLANDS LINE, EXISTING BUILDING, EXISTING BUILDING FOUNDATION, EXISTING ROAD, EXISTING SIDEWALK, EXISTING ASPHALT DRIVEWAY, EXISTING CURB/GUTTER, EXISTING GRAVEL DRIVEWAY, EXISTING GUIDERAIL, EXISTING FENCE, EXISTING STONE WALL, EXISTING SILT FENCE, EXISTING POND/LAKE, EXISTING TREE LINE, EXISTING BRUSH LINE, EXISTING OVERHEAD WIRES, EXISTING WATER LINE, EXISTING GAS LINE, EXISTING UNDERGROUND ELECTRIC LINE, EXISTING UNDERGROUND SEWER LINE, EXISTING UNDERGROUND STORM LINE, EXISTING CULVERT W/ END SECTION, EXISTING CULVERT W/ PLAIN END, EXISTING W/ HEADWALL

**SYMBOLS:**

EXISTING SIGN, EXISTING SIGN, EXISTING SURVEY STATION, EXISTING BENCHMARK, EXISTING BOLLARD, EXISTING CATCH BASIN, EXISTING CAPPED IRON ROD, EXISTING CABLE TV PEDESTAL, EXISTING CLEANOUT, EXISTING CONIFEROUS TREE, EXISTING DECIDUOUS TREE, EXISTING ELECTRIC BOX, EXISTING ELECTRIC MANHOLE, EXISTING END SECTION, EXISTING FLAGPOLE, EXISTING GAS STRUCTURE, EXISTING GAS STRUCTURE, EXISTING GUY WIRE, EXISTING GAS VALVE, EXISTING HYDRANT, EXISTING IRON PIPE, EXISTING IRON ROD, EXISTING LIGHT POLE, EXISTING MAILBOX, EXISTING MILE MARKER, EXISTING MONUMENT, EXISTING POST, EXISTING PERC TEST, EXISTING REFLECTOR MARKER, EXISTING SOIL BORING, EXISTING SANITARY MANHOLE, EXISTING SPRINKLER HEAD, EXISTING TELEPHONE MANHOLE, EXISTING TEST PIT, EXISTING TELEPHONE PEDESTAL, EXISTING ELECTRIC TRANSFORMER, EXISTING TRAFFIC SIGNAL CONTROL BOX, EXISTING TRAFFIC SIGNAL HEAD, EXISTING TRAFFIC SIGNAL POLE, EXISTING TREE W/ WIRE, EXISTING UNKNOWN MANHOLE, EXISTING UTILITY POLE, EXISTING UTILITY POLE W/ LIGHT, EXISTING WETLAND BOUNDARY FLAG, EXISTING WELL, EXISTING WATER SHUT OFF VALVE, EXISTING WATER VALVE

**SYMBOLS PROPOSED:**

PROPOSED SIGN, PROPOSED SIGN, PROPOSED BOLLARD, PROPOSED CATCH BASIN, PROPOSED CABLE TV PEDESTAL, PROPOSED CLEANOUT, PROPOSED DRAINAGE MANHOLE, PROPOSED ELECTRIC MANHOLE, PROPOSED HYDRANT, PROPOSED POST AND LUMINAIRE, PROPOSED PARKING COUNT, PROPOSED SANITARY MANHOLE, PROPOSED TELEPHONE MANHOLE, PROPOSED WELL, PROPOSED WATER SHUT OFF VALVE, PROPOSED WATER VALVE

**DEMOLITION NOTES:**

- 1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENTS CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK.
2. BUILDING/STRUCTURE TO BE DEMOLISHED ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE DEMOLISHED AS PART OF THIS WORK.
3. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
4. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
5. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
6. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION.
7. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES.
8. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA.
9. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT.
10. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
11. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
12. MAINTAIN EGRESS AND ACCESS AT ALL TIMES.
13. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER.
14. RROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
15. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
16. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
17. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
18. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT.
19. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
20. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS.
21. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS.

**SITE PLAN NOTES:**

**GENERAL CONSTRUCTION NOTES:**

- 1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 8" MIN AWAY.
4. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
5. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS.
6. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
8. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
9. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING.
10. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER.

**LAYOUT NOTES:**

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS.
2. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED.
3. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAYS WORK.
4. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITION".
5. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

**PAVING NOTES:**

- 1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, AND IS READY FOR PAVING.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITIONS".
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAYS WORK.
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7. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

**PROPOSED CONDITIONS:**

PROPOSED LOT LINE, PROPOSED BUILDING, PROPOSED PAVEMENT, PROPOSED ROAD CENTER LINE, PROPOSED SIDEWALK, PROPOSED CURB/WING GUTTER, PROPOSED GRAVEL DRIVEWAY, PROPOSED ASPHALT DRIVEWAY, LIMIT OF DISTURBANCE, PROPOSED CONCRETE, PROPOSED ROAD LINING & STRIPING, PROPOSED OVERHEAD WIRES, PROPOSED SANITARY SEWER LINE, PROPOSED FORCE MAIN, PROPOSED WATER LINE, PROPOSED STORM DRAIN LINE, PROPOSED TELEPHONE LINE, PROPOSED ELECTRIC LINE, PROPOSED GAS LINE

**GRADING & EROSION CONTROL:**

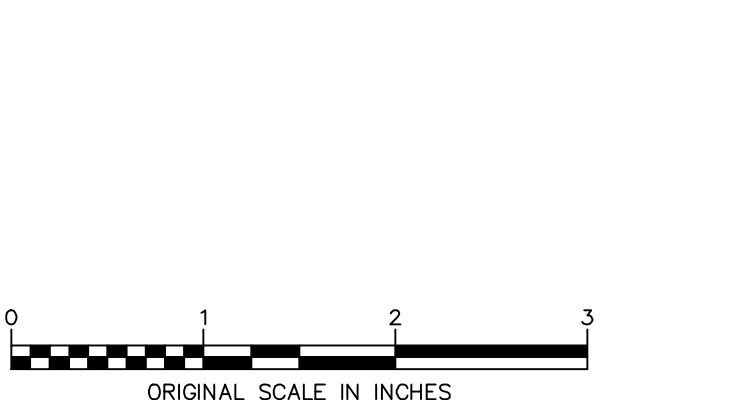
PROPOSED 10 FT CONTOUR, PROPOSED 2 FT CONTOUR, PROPOSED SPOT GRADE, PROPOSED TREE LINE, PROPOSED SHRUB LINE, DRAINAGE SWALE, PROPOSED ORANGE CONSTRUCTION FENCE, EROSION CONTROL BARRIER - SILT FENCE, STRAW BALE DIKE, FILTER FABRIC DROP INLET PROTECTION, SPOILS STORAGE AREA, STABILIZED CONSTRUCTION ENTRANCE, PROPOSED RIPRAP, PROPOSED EROSION CONTROL BLANKET

**LANDSCAPING LEGEND:**

PROPOSED PROPERTY LINE, PROPOSED BUILDING, PROPOSED TREES, PROPOSED SHRUBS WITH SHRUB SYMBOL, PROPOSED ORNAMENTAL GRASS BED, PROPOSED MULCH BED, PROPOSED LAWN, PROPOSED PLANT NAME, PROPOSED PLANT QUANTITY, PROPOSED RELOCATED SINGLE POST AND 180' DOUBLE LUMINAIRE, PROPOSED RELOCATED SINGLE POST AND SINGLE LUMINAIRE

**NEW PLANT MATERIAL:**

PROPOSED PLANT NAME, PROPOSED PLANT QUANTITY, PROPOSED RELOCATED SINGLE POST AND 180' DOUBLE LUMINAIRE, PROPOSED RELOCATED SINGLE POST AND SINGLE LUMINAIRE



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Table with 3 columns: rev., date, description. Row 1: 1, 8/19/20, REVISED FOR PLANNING BOARD SUBMITTAL.

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HUDSON VALLEY HOSPITAL CENTER NOTES AND LEGEND. TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK. designed checked CUL, date scale 08/19/20, project no. 80940.09, sheet no. G002

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Lands Now or Formerly of  
1906 CROMPOND, INC.  
L.10736 P.143  
SBL: 33.08-1-3  
Lot# 1, Filed Map# 24735

Lands Now or Formerly of  
HUDSON VALLEY HOSPITAL CENTER  
SBL: 33.08-1-1  
Lot# 2, Filed Map# 24735

Lands Now or Formerly of  
HUDSON VALLEY HOSPITAL CENTER  
L.6313 P.83  
L.6313 P.101  
SBL: 33.08-1-4

Lands Now or Formerly of  
THE FOUNDATION OF HUDSON  
VALLEY HOSPITAL CENTER  
DEED CONTROL #49250433  
SBL: 33.08-1-2

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1	8/19/20	REVISED FOR PLANNING BOARD SUBMITTAL
rev.	date	description

HUDSON VALLEY HOSPITAL CENTER  
**EXISTING CONDITIONS PLAN**  
TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SK	CUL
date	scale
08/19/20	1"=20'
project no.	80940.09
sheet no.	C100

ORIGINAL SCALE IN INCHES  
Drawing Name: Z:\projects\80940-80999\80940-09 - NY Preliminary Citrus Planning Lot\DWG\01\_C100\_80940-09\_EXIST.dwg  
Xref's Attached: XBASE-SVY\_80940-09\_COMBINED; XTB\_24X36\_80940-09; XBASE-SVY-81315-00; XBASE-SVY-80940-06-ALTA  
Date Plotted: Aug 19, 2020, 9:27am

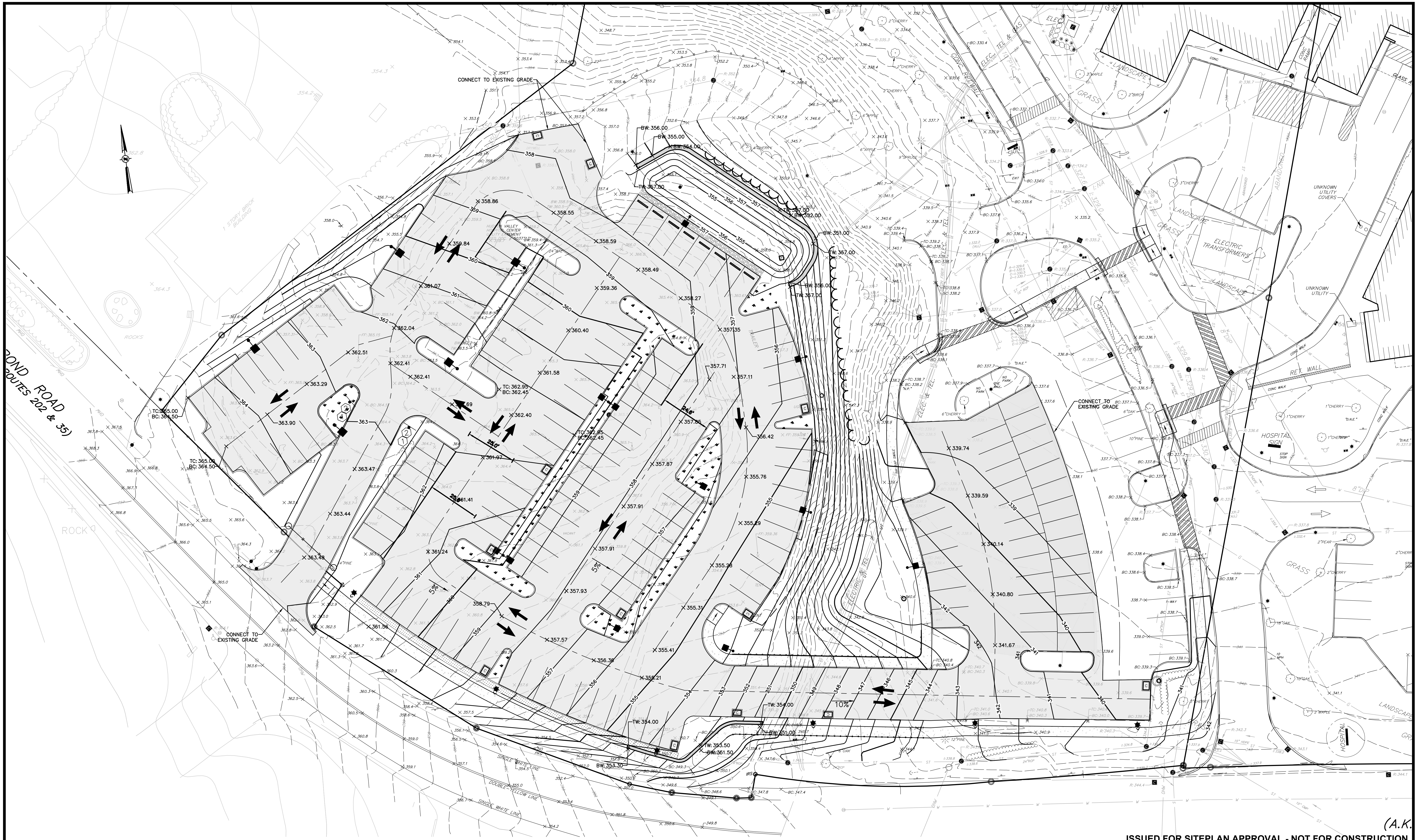












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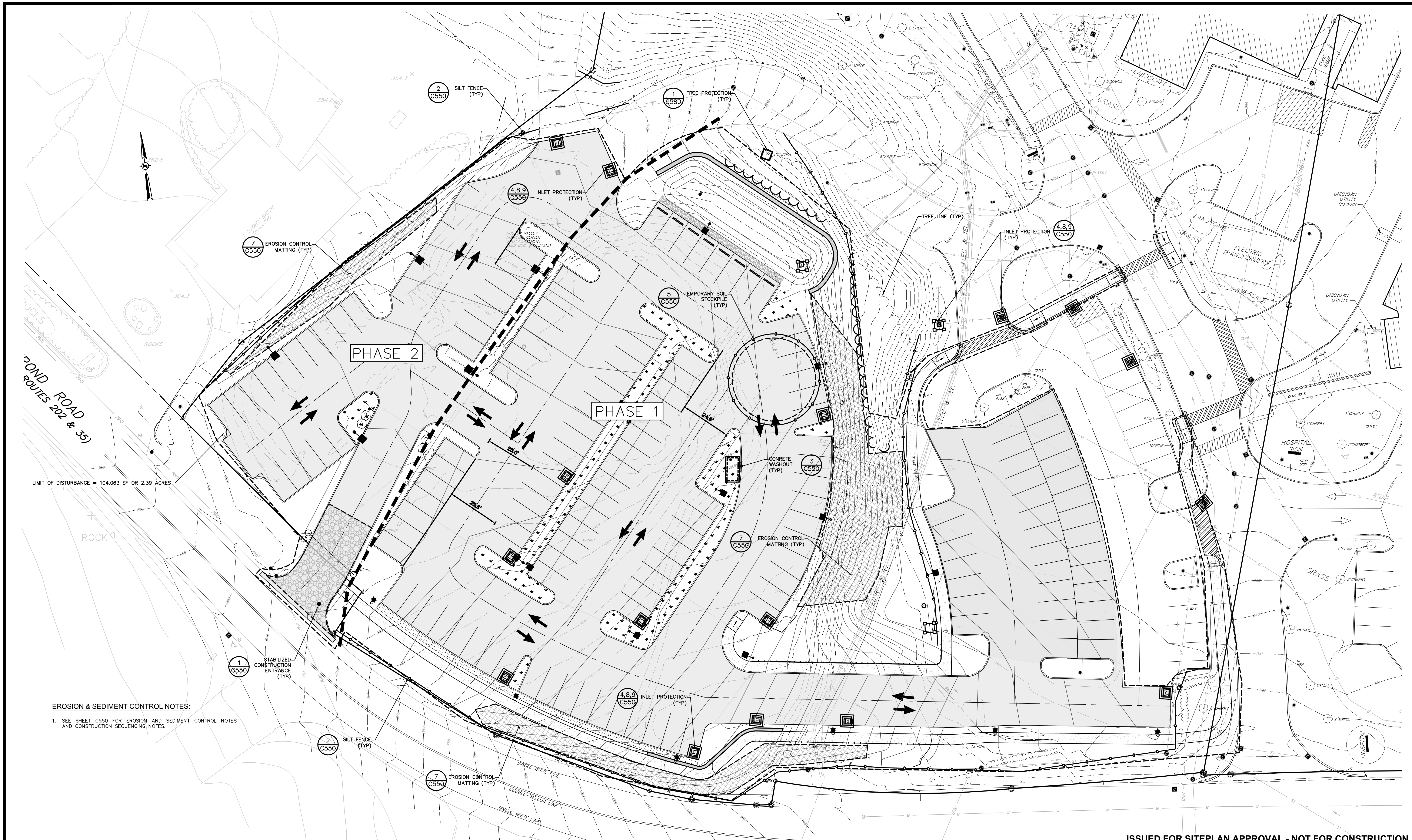
**HUDSON VALLEY HOSPITAL CENTER**

**GRADING PLAN**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SK	C.J.L.
date 08/19/20	scale 1"=20'
project no. 80940.09	
sheet no. <b>C140</b>	





LIMIT OF DISTURBANCE = 104,063 SF OR 2.39 ACRES

**EROSION & SEDIMENT CONTROL NOTES:**

- SEE SHEET C550 FOR EROSION AND SEDIMENT CONTROL NOTES AND CONSTRUCTION SEQUENCING NOTES.

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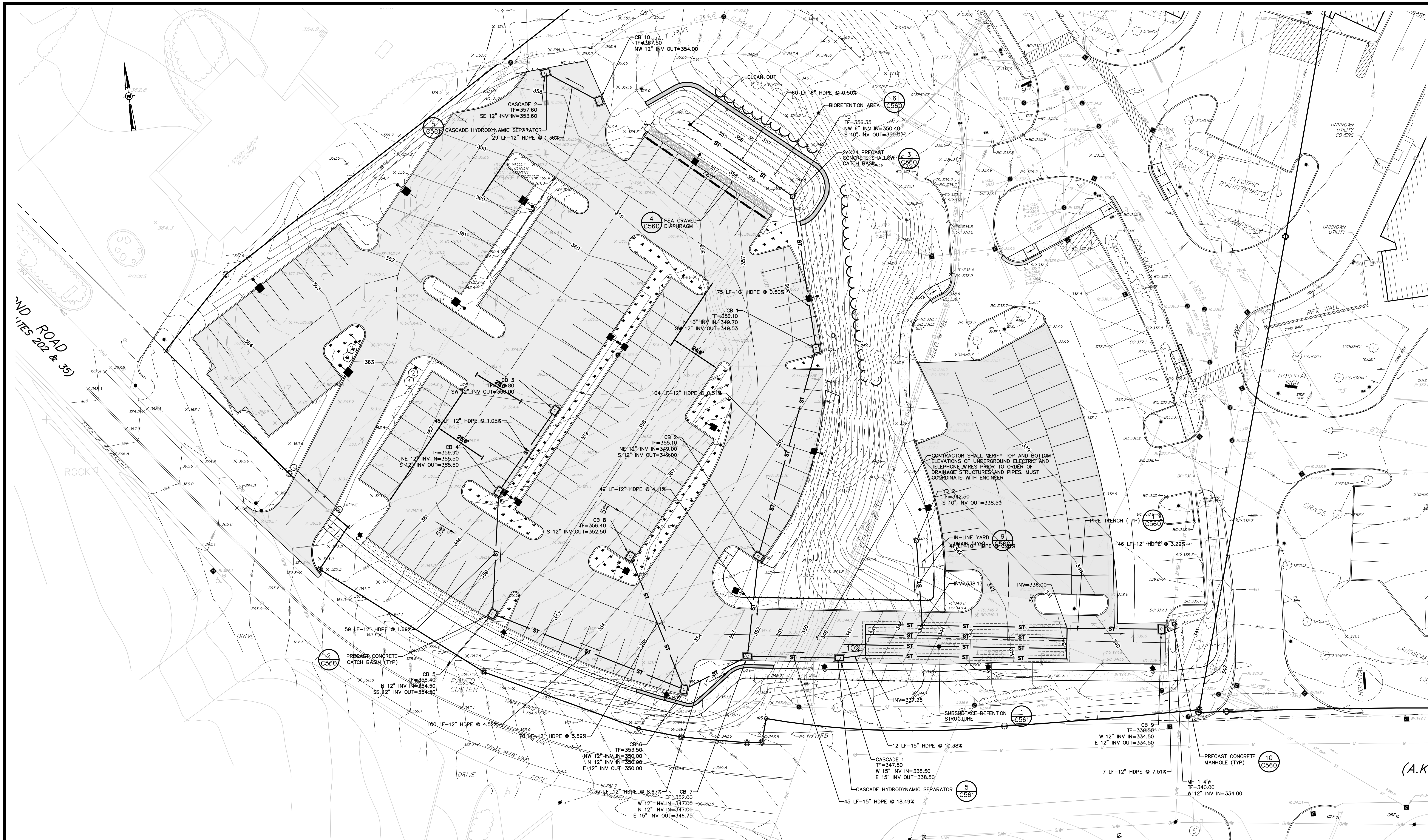
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**EROSION & SEDIMENT CONTROL PLAN**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SK	C.J.L.
08/19/20	1"=20'
project no.	80940.09
sheet no.	<b>C150</b>





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SK	C.J.L.

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**DRAINAGE PLAN**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

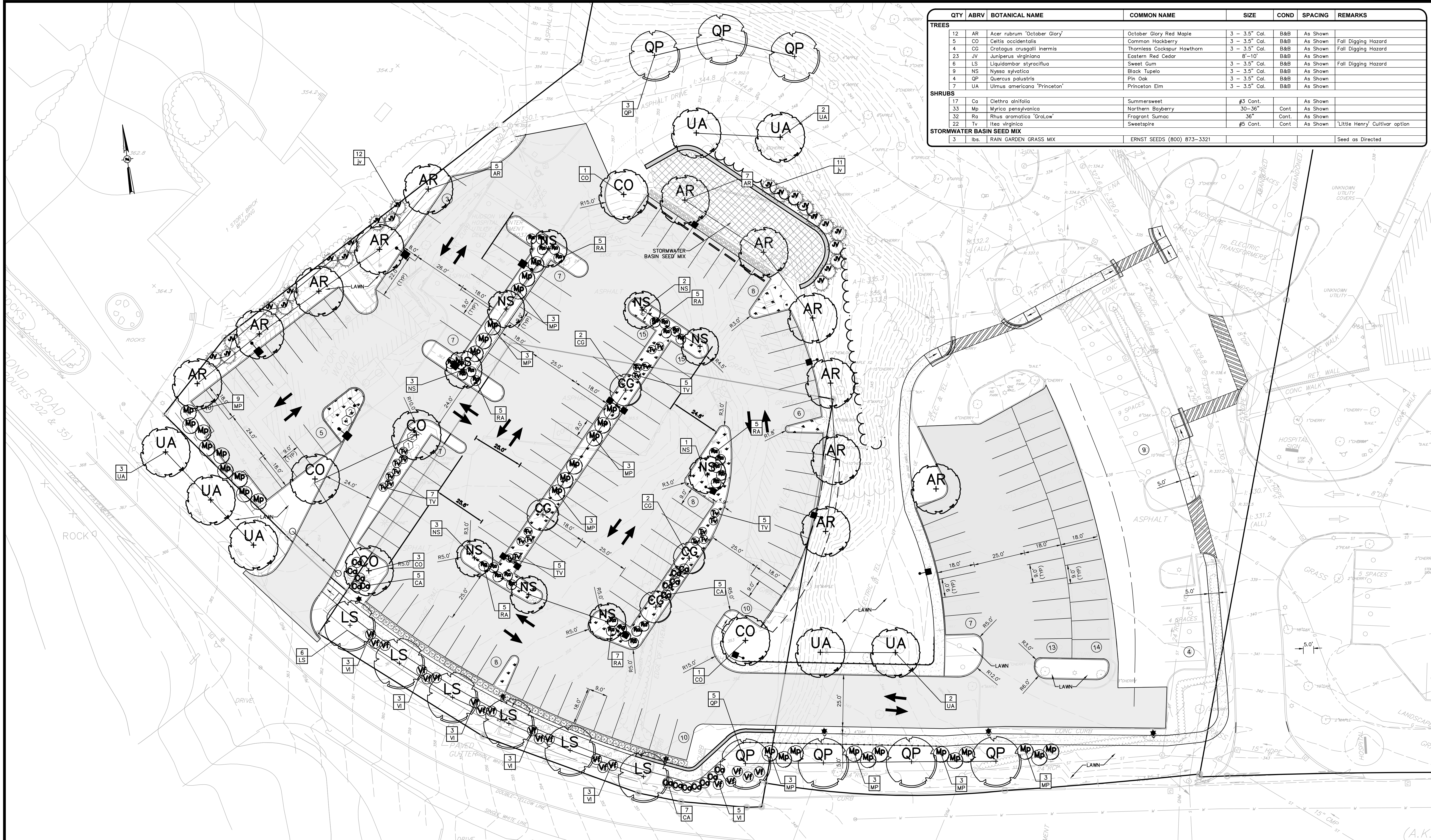
date  
08/19/20

scale  
1"=20'

project no.  
80940.09

sheet no.  
**C160**





QTY	ABRV	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	REMARKS
<b>TREES</b>							
12	AR	Acer rubrum 'October Glory'	October Glory Red Maple	3 - 3.5" Cal.	B&B	As Shown	Fall Digging Hazard
5	CO	Celtis occidentalis	Common Hackberry	3 - 3.5" Cal.	B&B	As Shown	Fall Digging Hazard
4	CG	Crataegus crusgalli inermis	Thornless Cockspur Hawthorn	3 - 3.5" Cal.	B&B	As Shown	Fall Digging Hazard
23	JV	Juniperus virginiana	Eastern Red Cedar	8'-10'	B&B	As Shown	
6	LS	Liquidambar styraciflua	Sweet Gum	3 - 3.5" Cal.	B&B	As Shown	Fall Digging Hazard
9	NS	Nyssa sylvatica	Black Tupelo	3 - 3.5" Cal.	B&B	As Shown	
4	QP	Quercus palustris	Pin Oak	3 - 3.5" Cal.	B&B	As Shown	
7	UA	Ulmus americana 'Princeton'	Princeton Elm	3 - 3.5" Cal.	B&B	As Shown	
<b>SHRUBS</b>							
17	Ca	Clethra alnifolia	Summersweet	#3 Cont.		As Shown	
33	Mp	Myrica pensylvanica	Northern Bayberry	30-36"	Cont.	As Shown	
32	Ro	Rhus aromatica 'GroLow'	Fragrant Sumac	36"	Cont.	As Shown	
22	Tv	Itea virginica	Sweetspire	#5 Cont.	Cont.	As Shown	'Little Henry' Cultivar option
<b>STORMWATER BASIN SEED MIX</b>							
3	lbs.	RAIN GARDEN GRASS MIX	ERNST SEEDS (800) 873-3321				Seed as Directed

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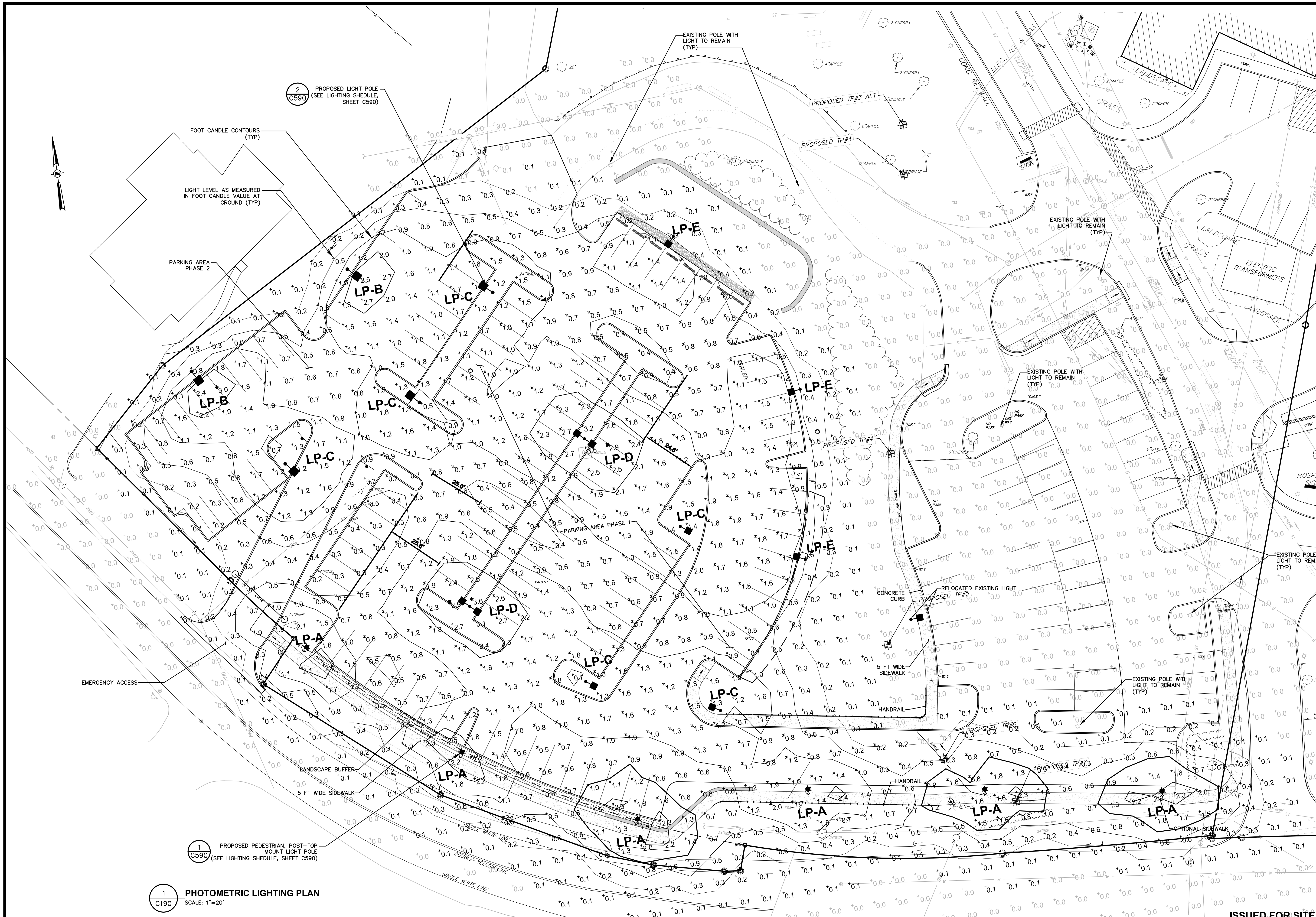
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**LANDSCAPE PLAN**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SK	C.J.L.
08/19/20	1"=20"
project no.	80940.09
sheet no.	C180





- LIGHTING NOTES:**
1. PROPOSED LIGHTING AS MANUFACTURED BY SELUX LIGHTING & SENTRY LIGHTING, LLC. PROPOSED POLE LENGTHS VARY. SEE LIGHTING CHART.
  2. GRID NUMBERS SHOWN REPRESENT FOOT CANDLE VALUES AT GROUND PLANE.
  3. THE LIGHTING FIXTURES, SURFACE LOCATIONS AND ASSOCIATED PHOTOMETRIC VALUES ARE IDENTIFIED BY THE CHAZEN COMPANIES. DETAILED DESIGN OF THE LIGHTING SPECIFICATIONS, FOUNDATION DESIGN, LIGHTING CONDUIT, WIRING, AND CONTROL CIRCUITRY SHALL BE BY OTHERS.
  4. IF DISCREPANCIES EXIST BETWEEN THE LIGHTING SCHEDULE AND LIGHTING PLAN, THE PLAN SHALL DICTATE.
  5. THE EXISTING STREET LIGHTS IN THE RIGHT-OF-WAYS HAVE NOT BEEN INCLUDED IN THIS PHOTOMETRIC ANALYSIS. THE LIGHT LEVELS SHOWN HEREON REFLECT THE PROPOSED LIGHTING ON SITE.
  6. SEE SHEET C590 FOR LIGHTING DETAILS AND SCHEDULES.

- LIGHTING LEGEND:**
- POST AND LUMINAIRE
  - ★ PENDANT MOUNTED LUMINAIRE / POLE

**1**  
C190  
**PHOTOMETRIC LIGHTING PLAN**  
SCALE: 1"=20'

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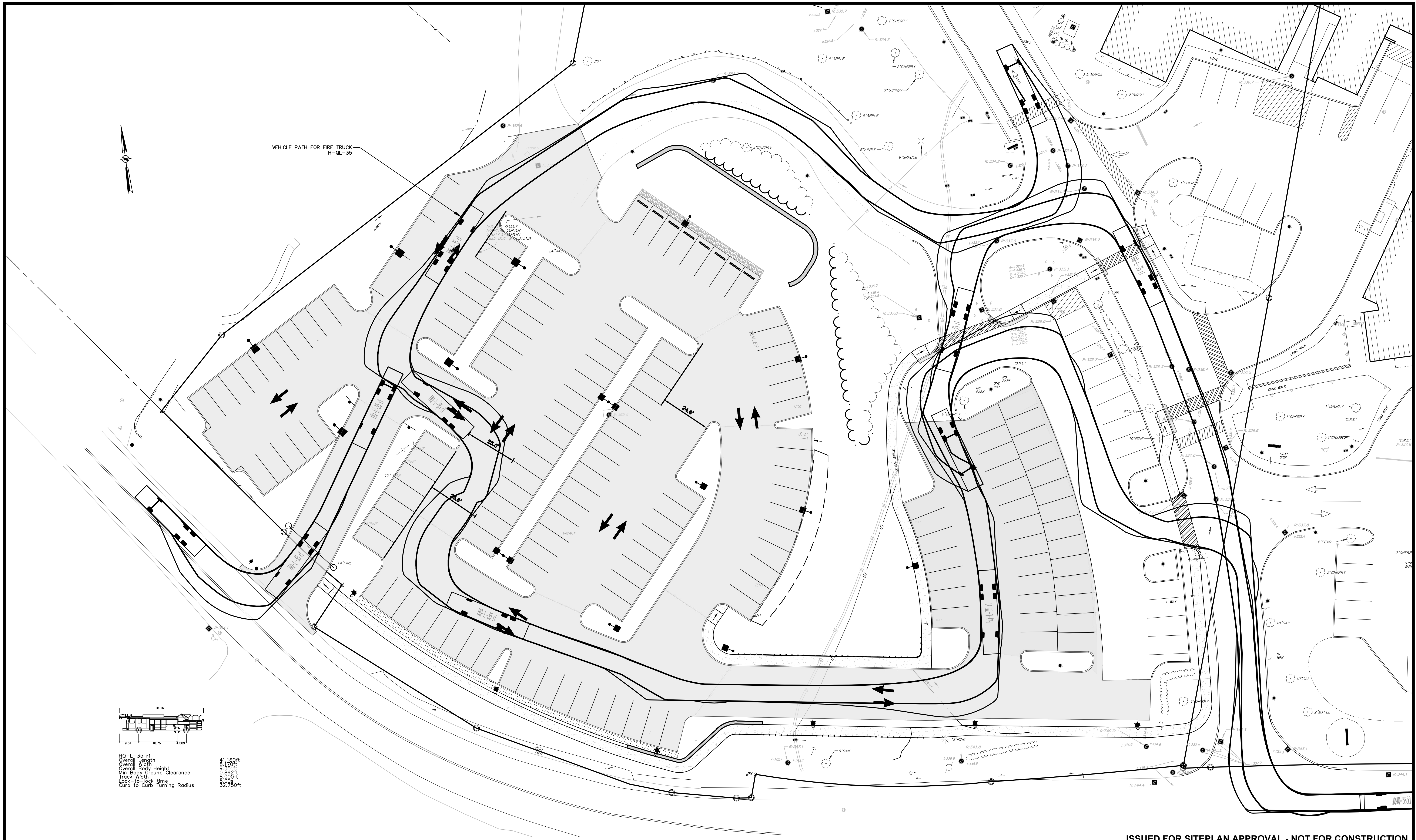
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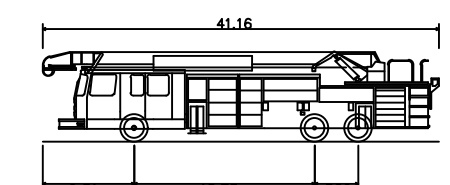
TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SK	C.J.L.
date	scale
08/19/20	1"=20'
project no.	
80940.09	
sheet no.	
	<b>C190</b>





VEHICLE PATH FOR FIRE TRUCK  
H-Q-35



H-Q-35 r1  
Overall Length 41.160ft  
Overall Width 8.31ft  
Overall Body Height 16.75ft  
Min Body Ground Clearance 10.00ft  
Track Width 10.00ft  
Lock-to-lock time 3.00s  
Curb to Curb turning Radius 32.750ft

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**EMERGENCY VEHICLE ACCESS-  
FIRE TRUCK MOVEMENT PLAN**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

date	scale	project no.	sheet no.
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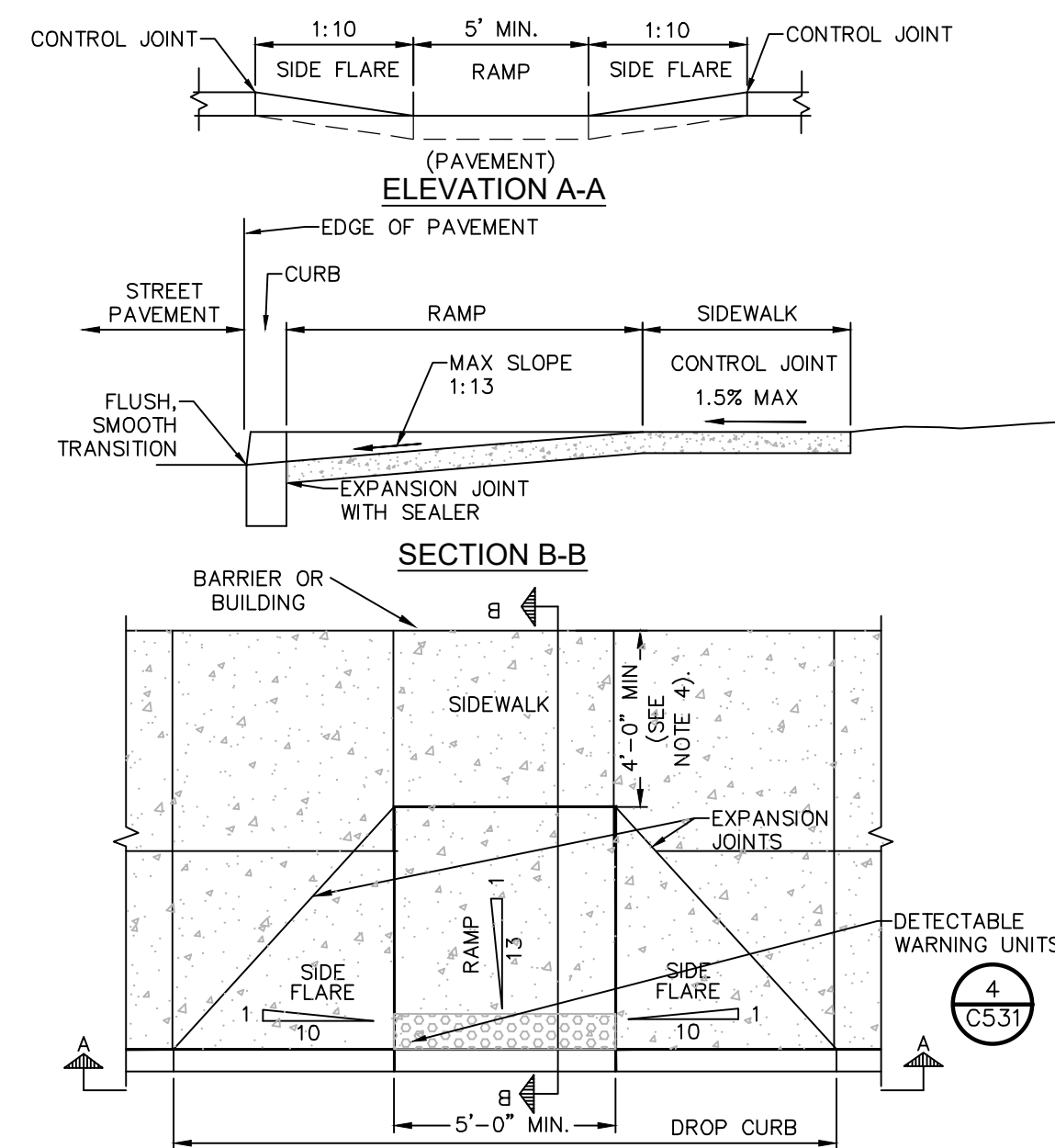
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**C210**



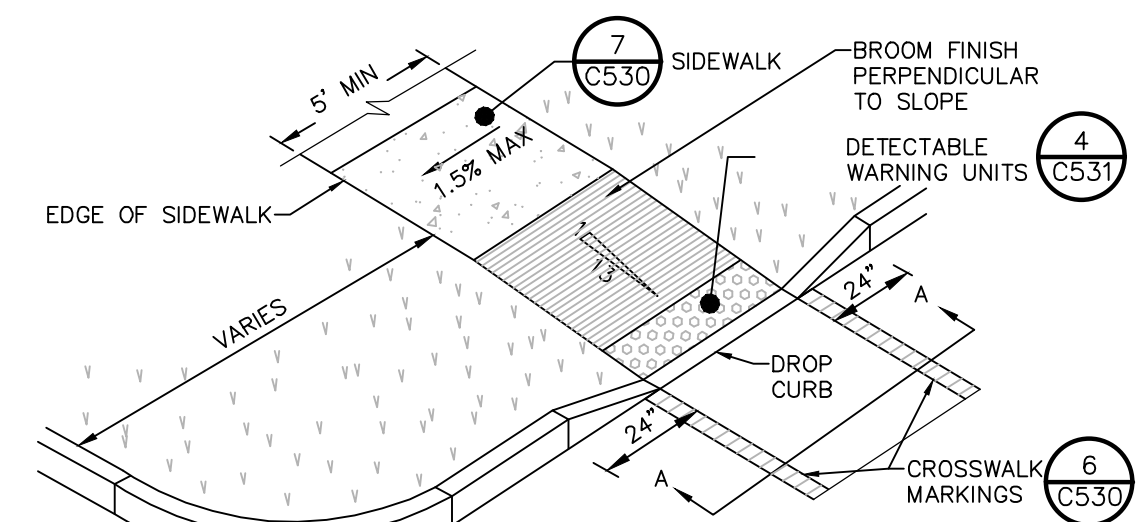






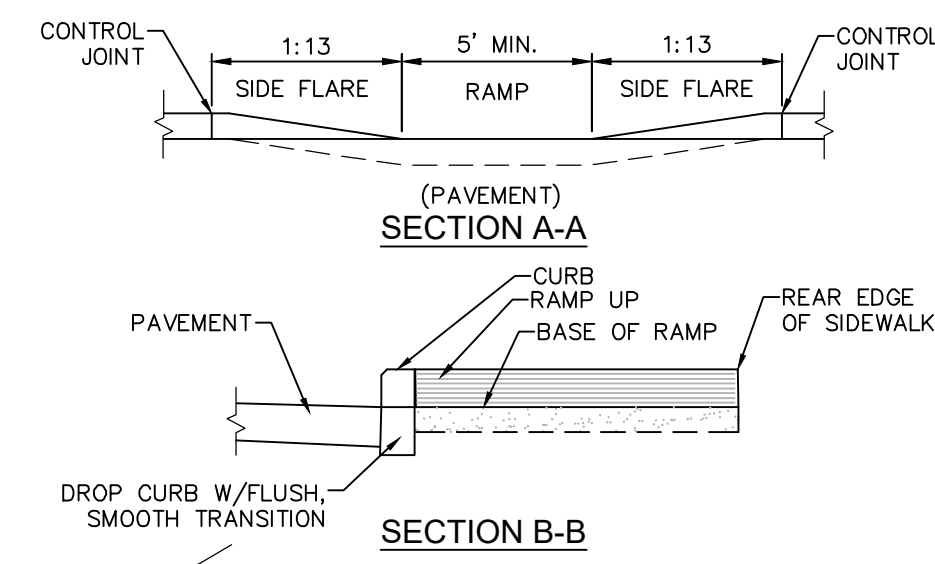
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 1. ALL WORK SHALL CONFORM WITH THE NYS DOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO; SPECIFICALLY SECTION 608- SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.  
 2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.  
 3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.  
 4. WHERE THIS DIMENSION IS LESS THAN 4'-0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

**1 PEDESTRIAN RAMP WITH FLARED SLOPES**  
 SCALE: NOT TO SCALE



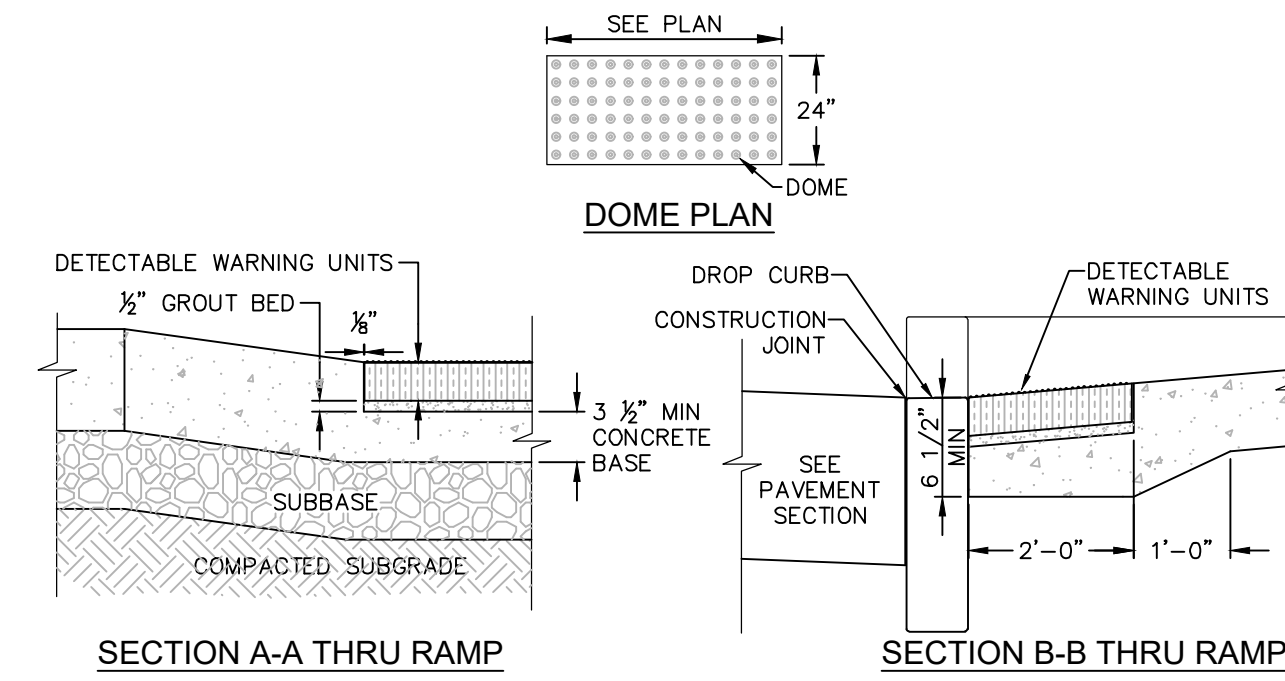
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**2 PEDESTRIAN RAMP SECTION - DROP CURB**  
 SCALE: NOT TO SCALE



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**3 PEDESTRIAN RAMP SECTION - DROP CURB**  
 SCALE: NOT TO SCALE



**NOTES:**  
 1. DETECTABLE WARNING UNIT SHALL BE ADA COMPLIANT, AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.  
 2. CAST IRON 2" TERRA PAVING TYPE THREE ADA COMPLIANT WARNING PAVER.  
 3. COORDINATE W/ OWNER FOR COLOR.

**4 DETECTABLE WARNING UNITS FOR RAMPS**  
 SCALE: NOT TO SCALE

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1	8/19/20	THIS SHEET ADDED

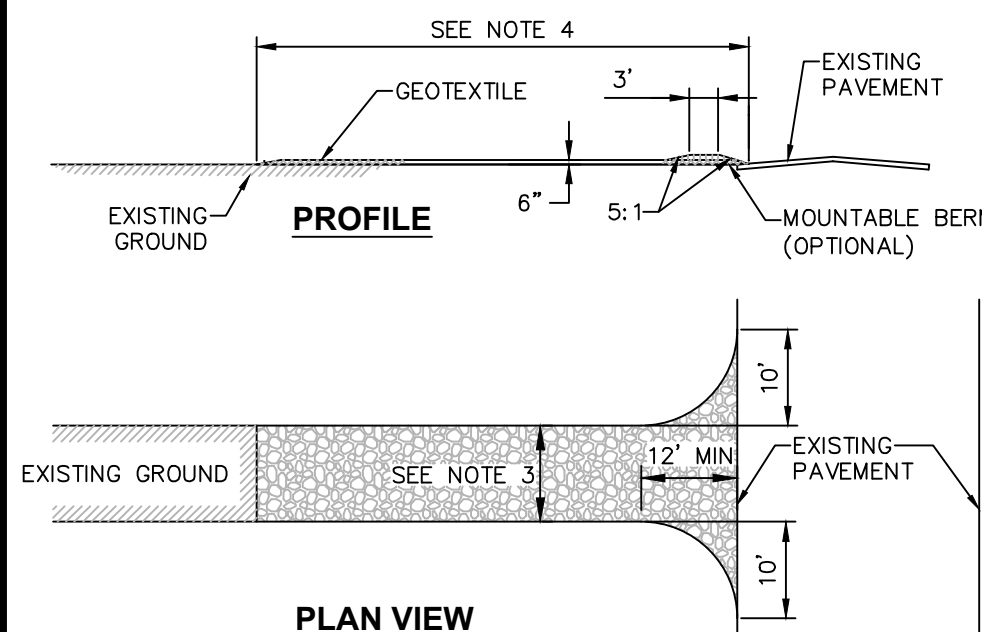
HUDSON VALLEY HOSPITAL CENTER

**SITE PLAN DETAILS**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SD	C.L.
08/19/20	
project no.	80940.09
sheet no.	C531

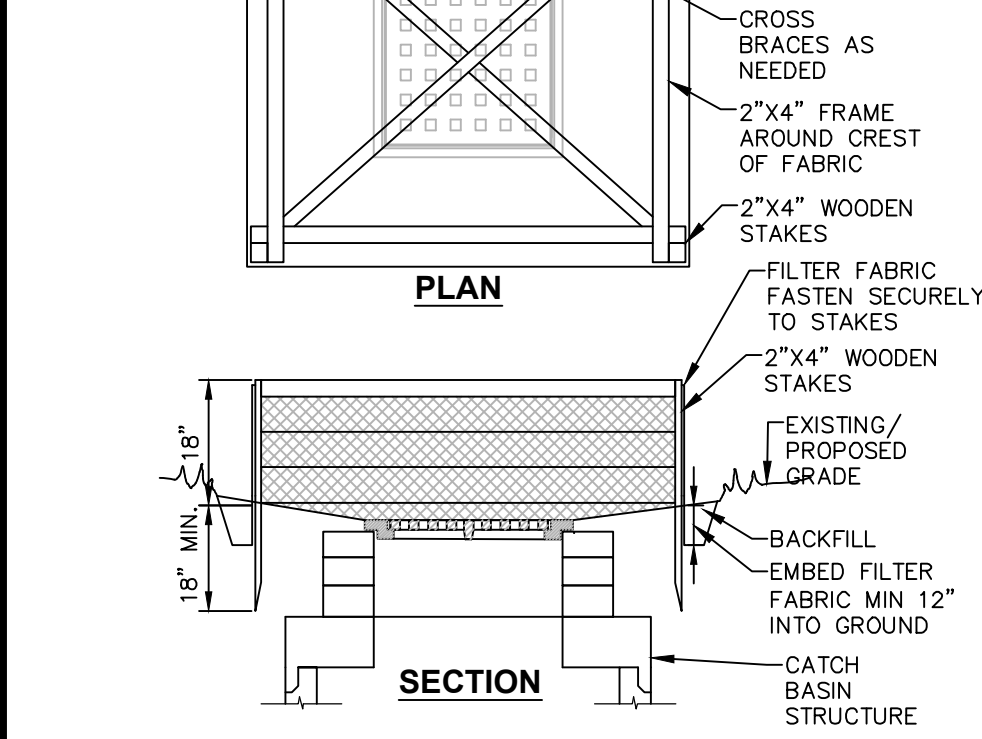




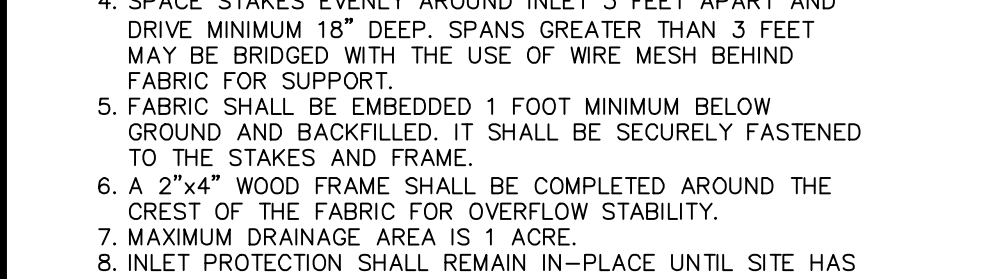
- CONSTRUCTION ENTRANCE SPECIFICATIONS:**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOUR (24) FEET IF SINGLE ENTRANCE TO SITE.
  - LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
  - GEOTEXTILE WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PAVING OF STONE.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



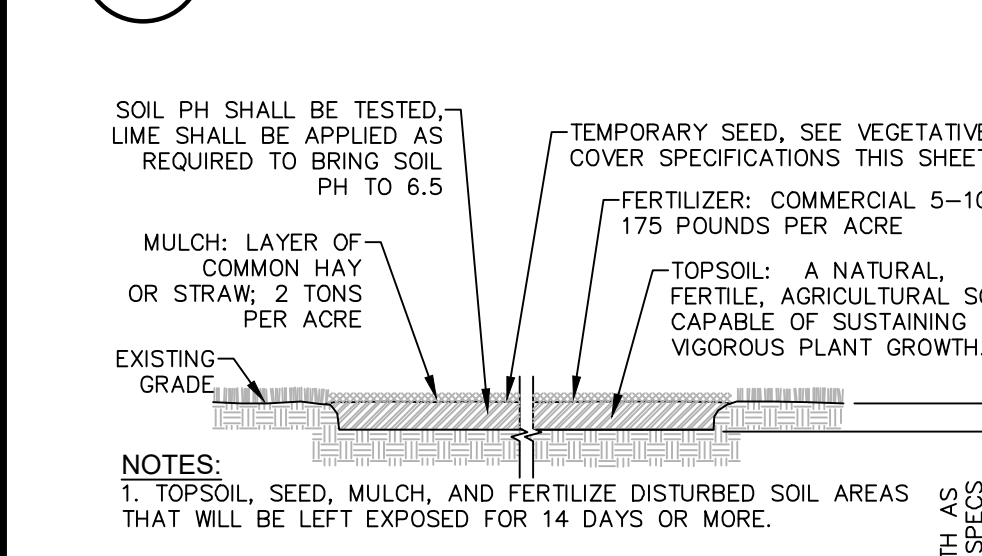
- 1. STABILIZED CONSTRUCTION ACCESS DETAIL**  
SCALE: NOT TO SCALE



- 2. SILT FENCE INSTALLATION DETAIL**  
SCALE: NOT TO SCALE



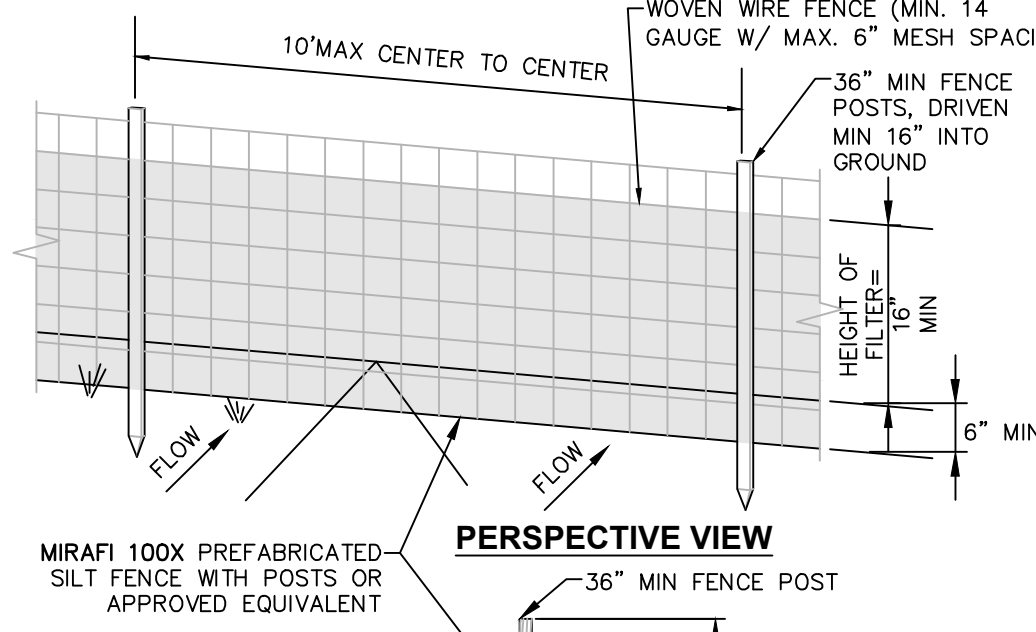
- 3. CONCRETE WASHOUT AREA DETAIL**  
SCALE: NOT TO SCALE



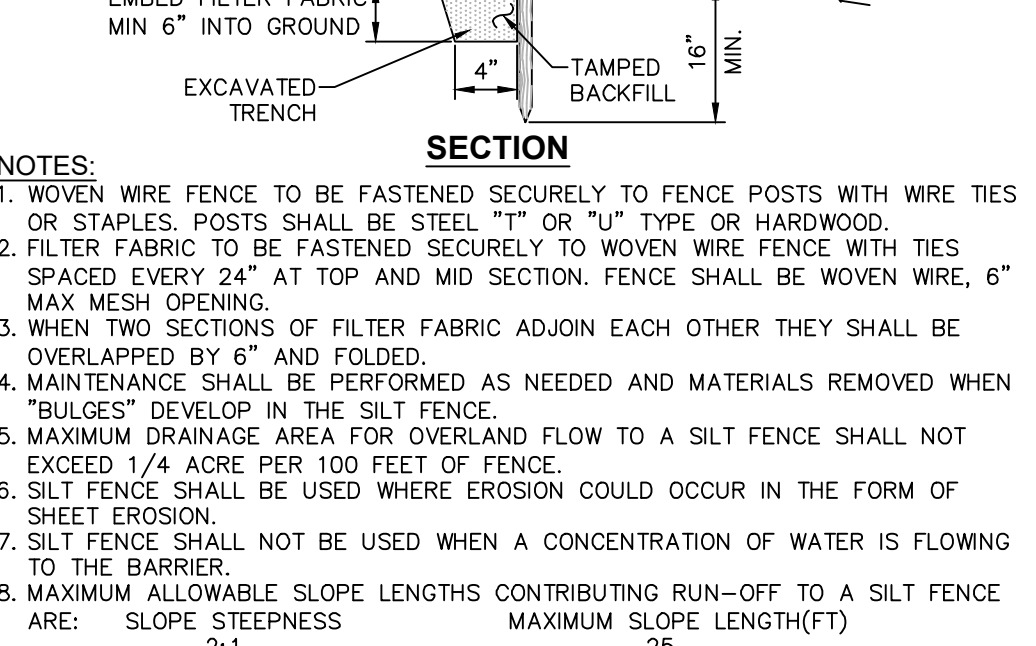
- 4. TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL**  
SCALE: NOT TO SCALE



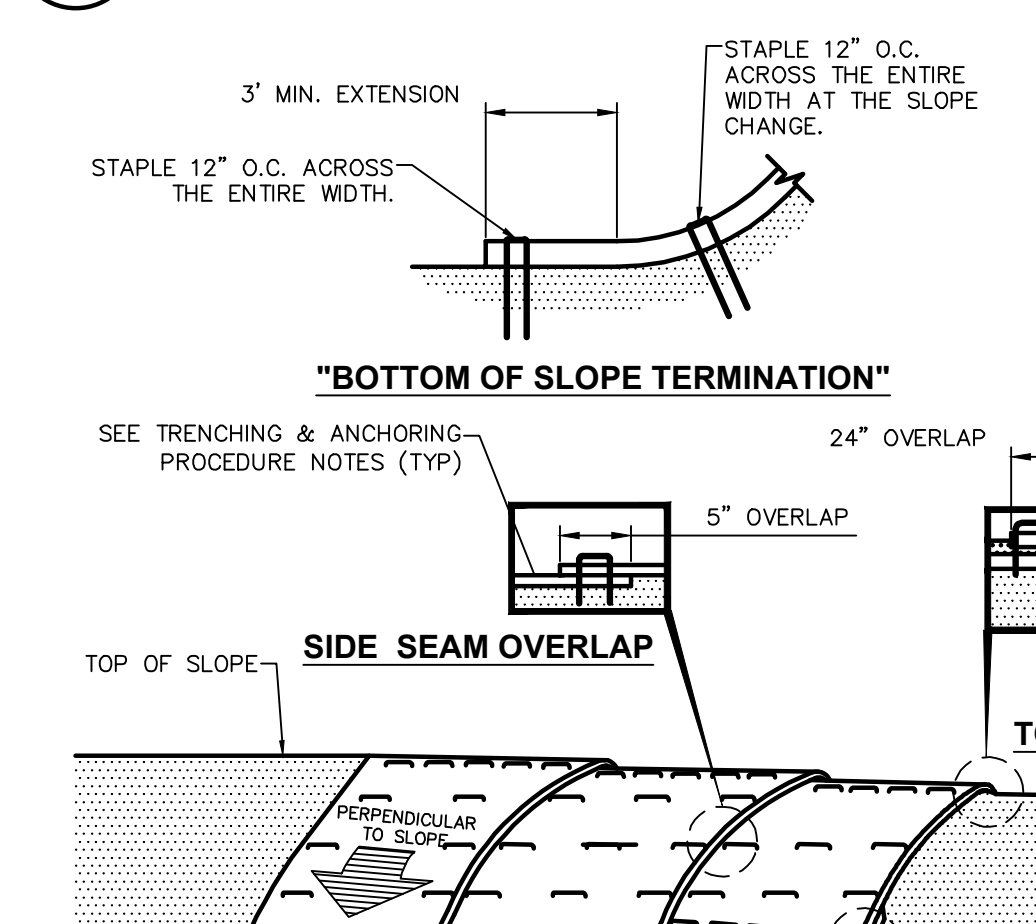
- 5. TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**  
SCALE: NOT TO SCALE



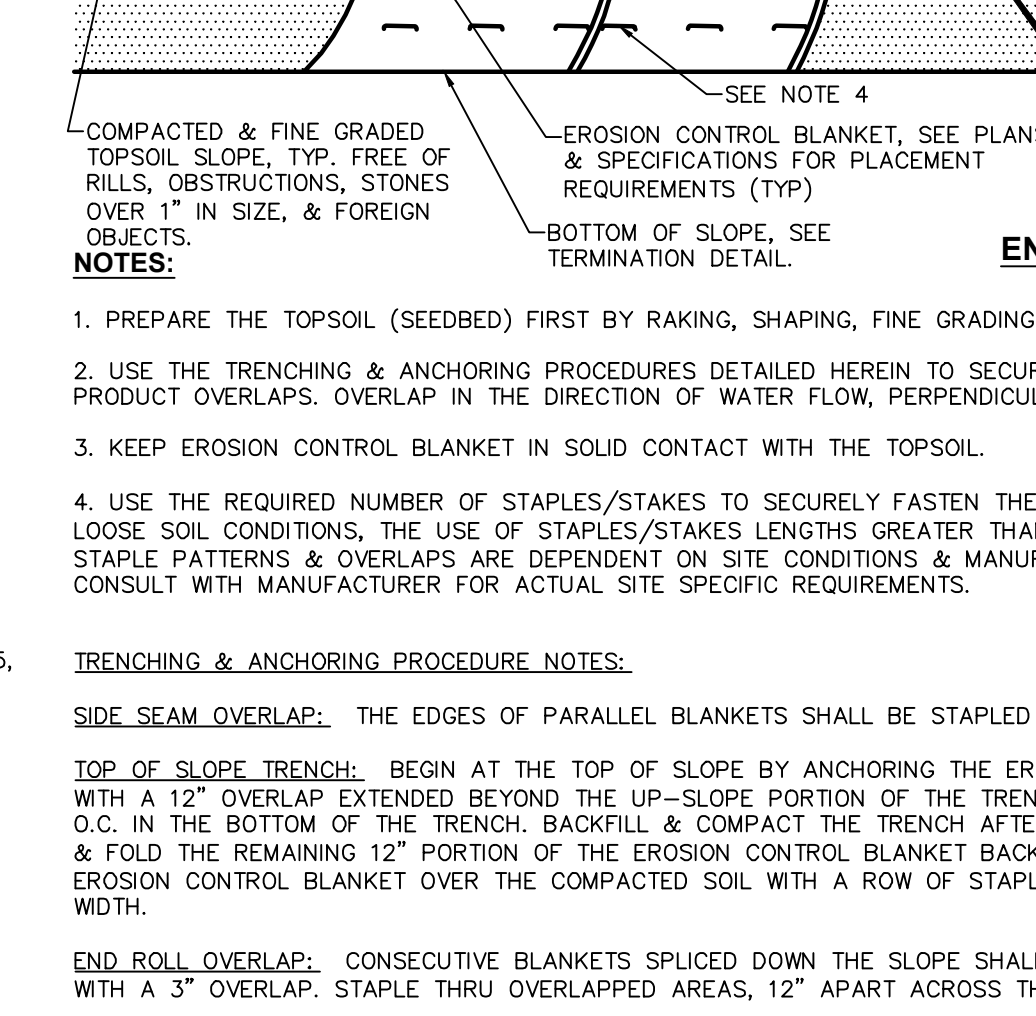
- 6. EROSION CONTROL BLANKET INSTALLATION DETAIL**  
SCALE: NTS



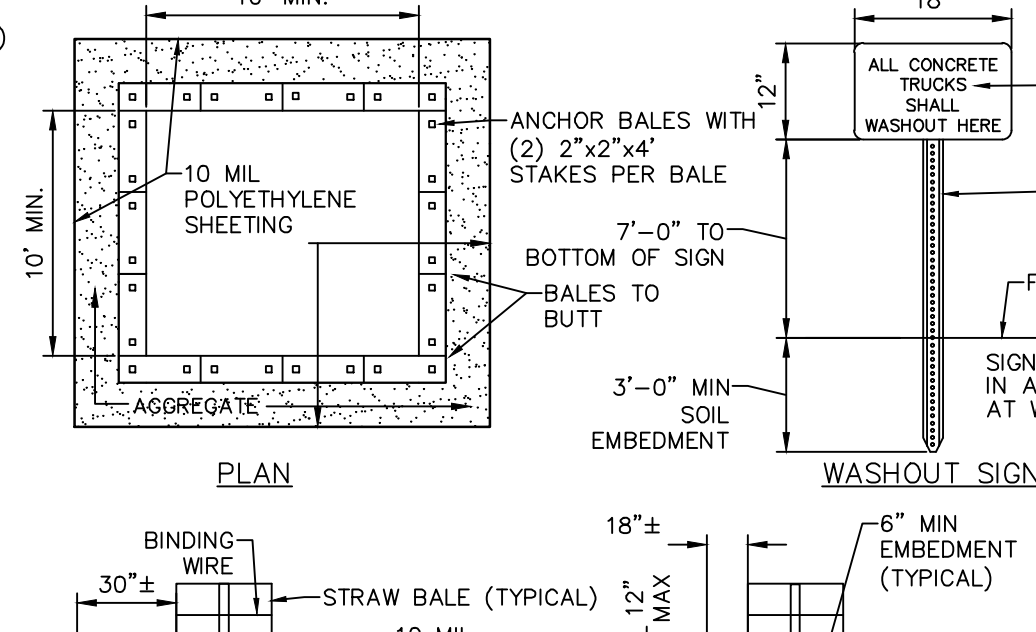
- 7. BOTTOM OF SLOPE TERMINATION**



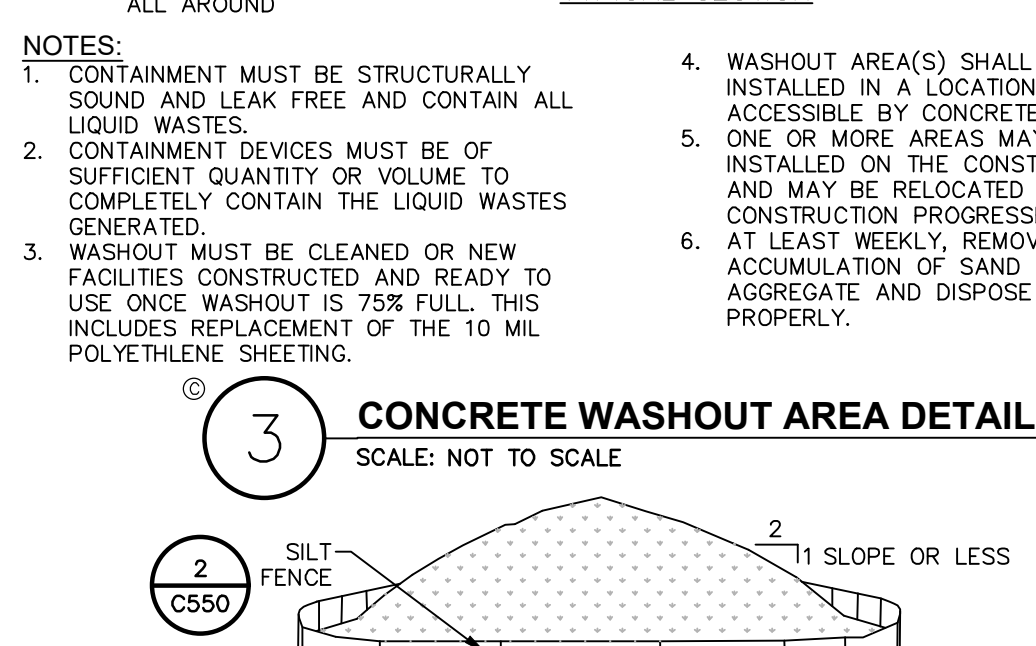
- 8. CATCH BASIN GRADE INLET FILTER DETAIL**  
SCALE: NOT TO SCALE



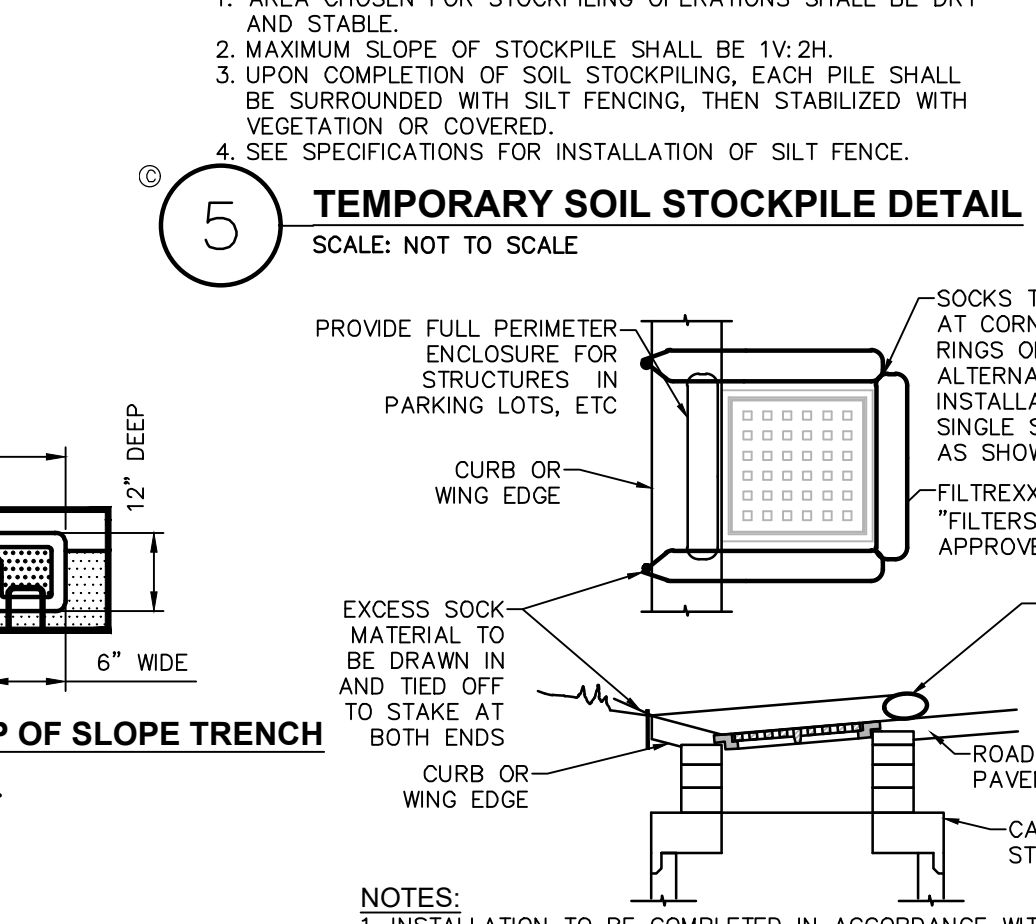
- 9. SILT SACK DETAIL**  
SCALE: NOT TO SCALE



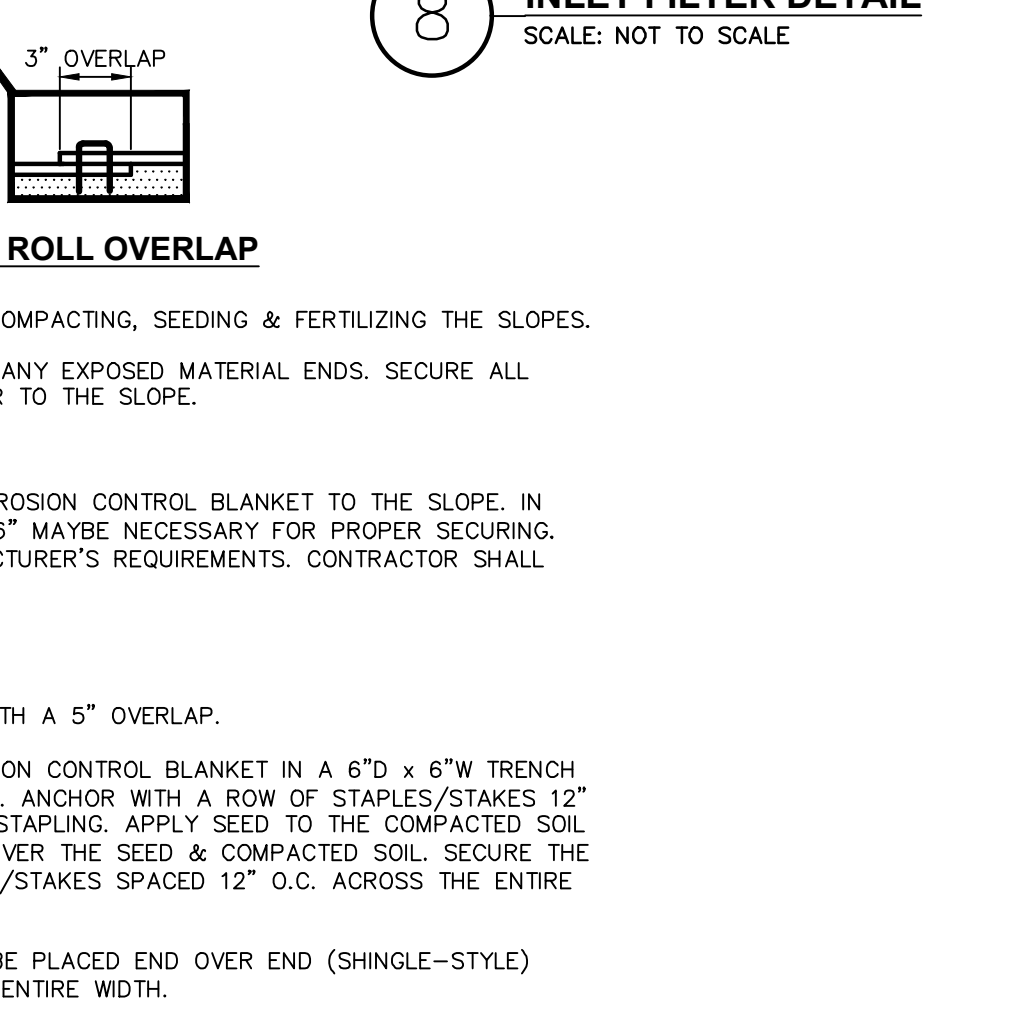
- 10. TEMPORARY SOIL STOCKPILE DETAIL**  
SCALE: NOT TO SCALE



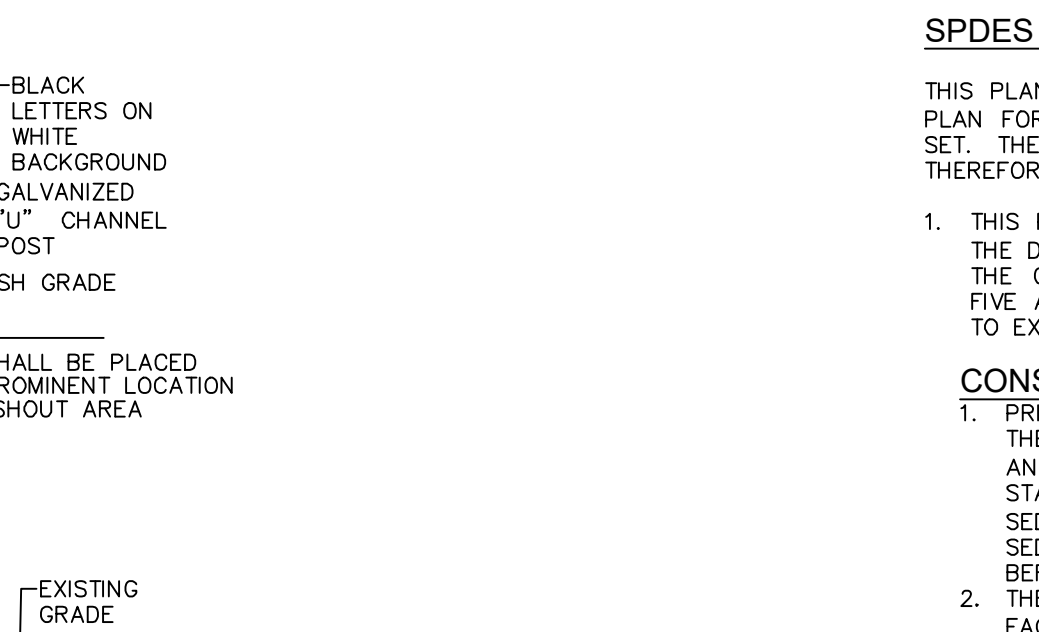
- 11. END ROLL OVERLAP**



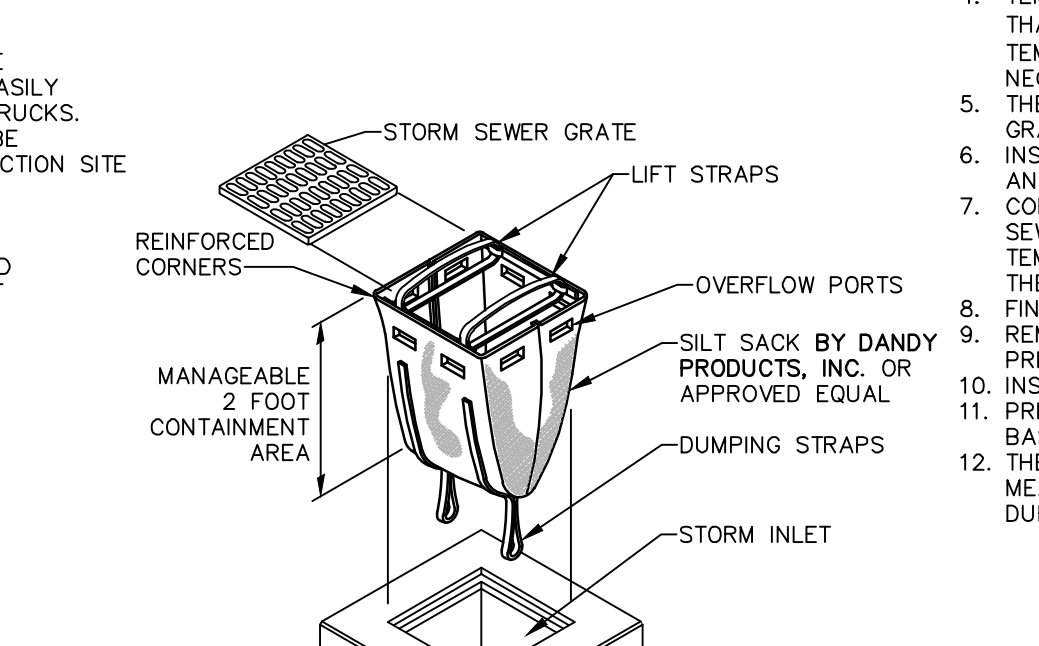
- 12. SIDE SEAM OVERLAP**



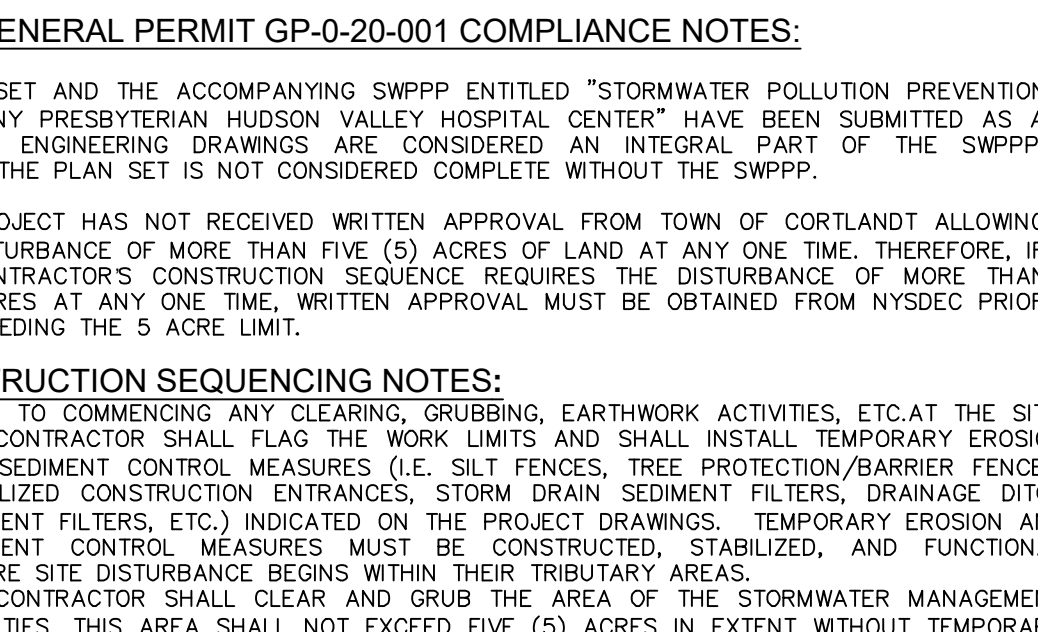
- 13. TRENCHING & ANCHORING PROCEDURE NOTES**



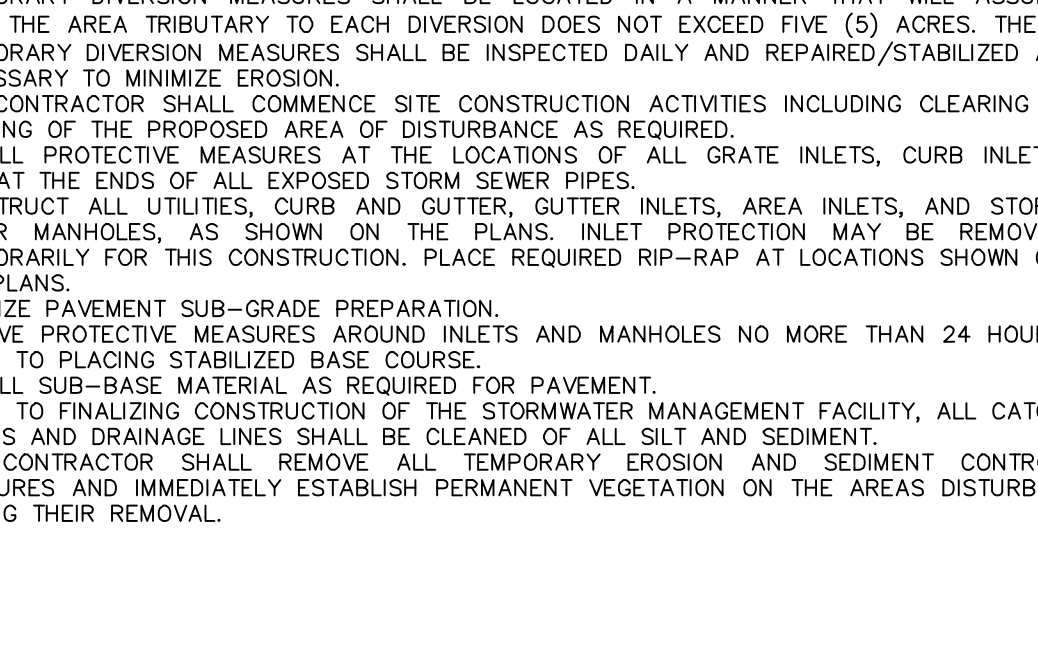
- 14. WASHOUT SIGN**



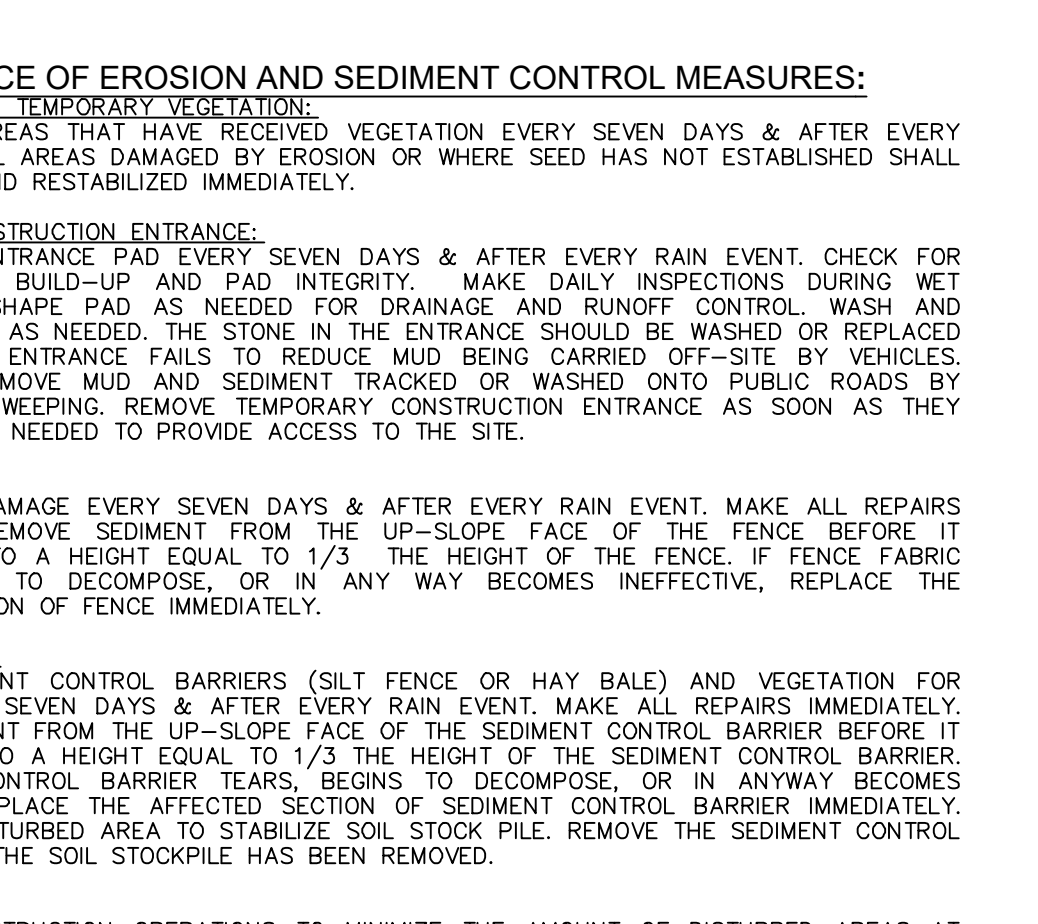
- 15. STORM SEWER GRATE**



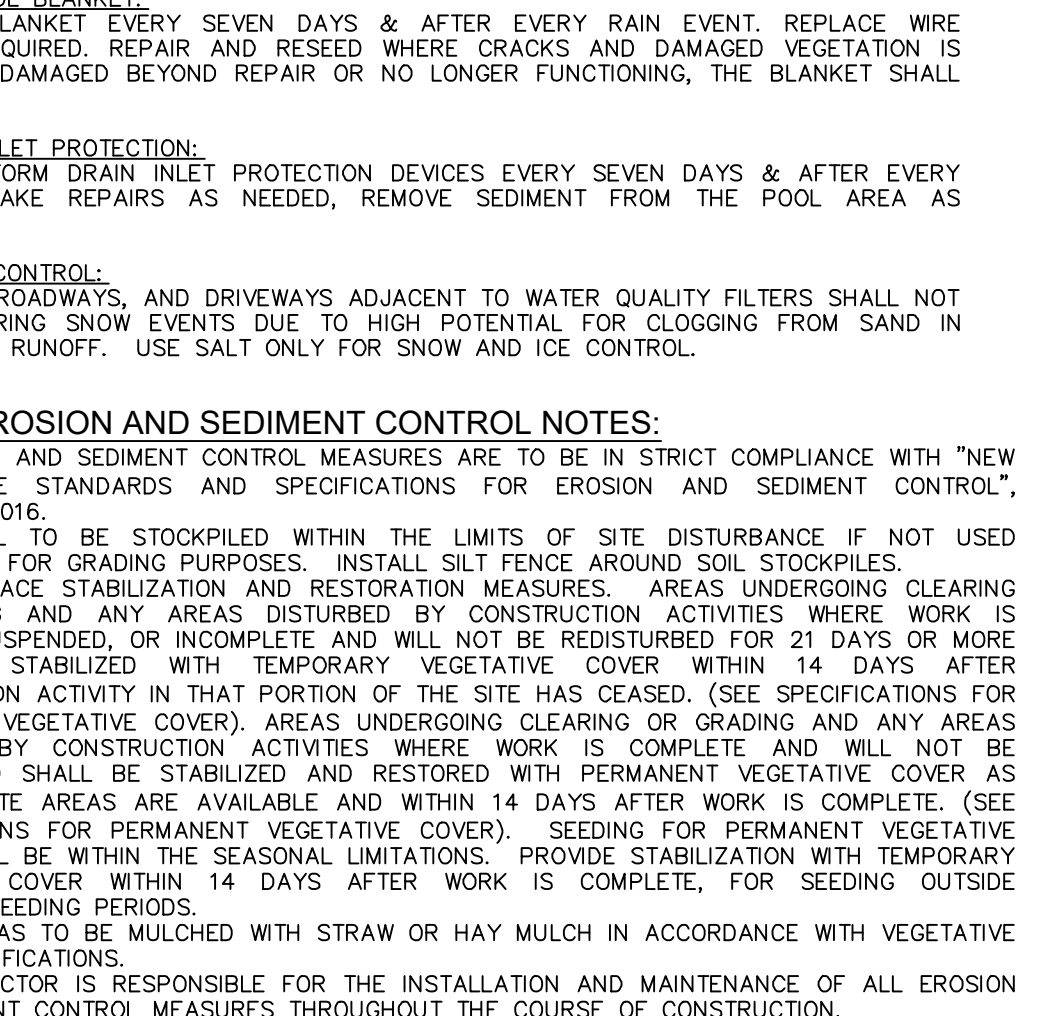
- 16. CONSTRUCTION SEQUENCING NOTES**



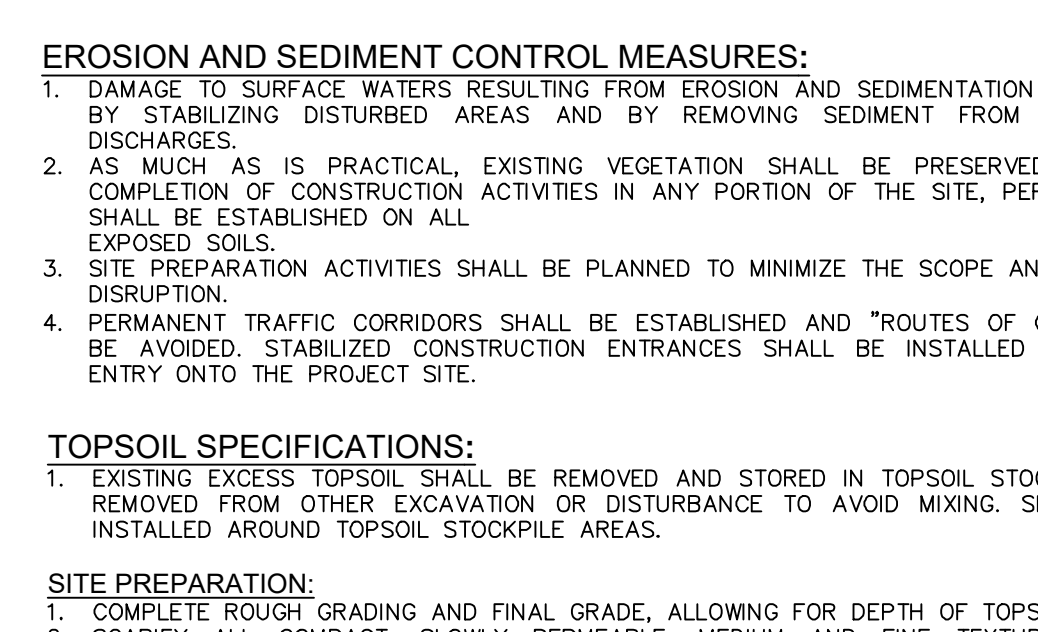
- 17. SPDES GENERAL PERMIT GP-0-20-001 COMPLIANCE NOTES**



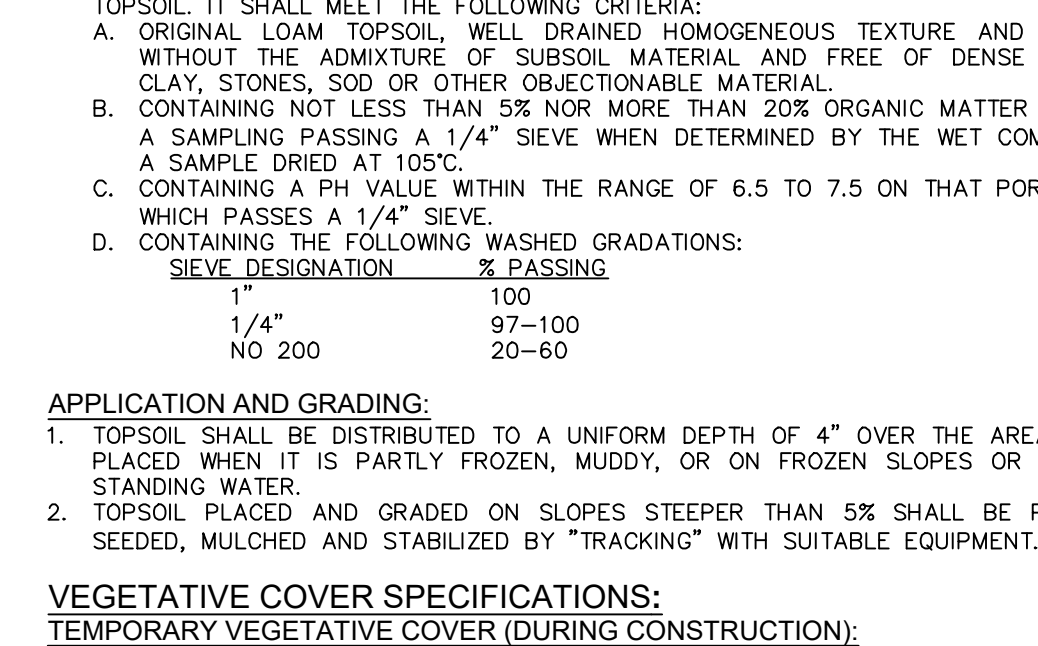
- 18. EROSION AND SEDIMENT CONTROL MEASURES**



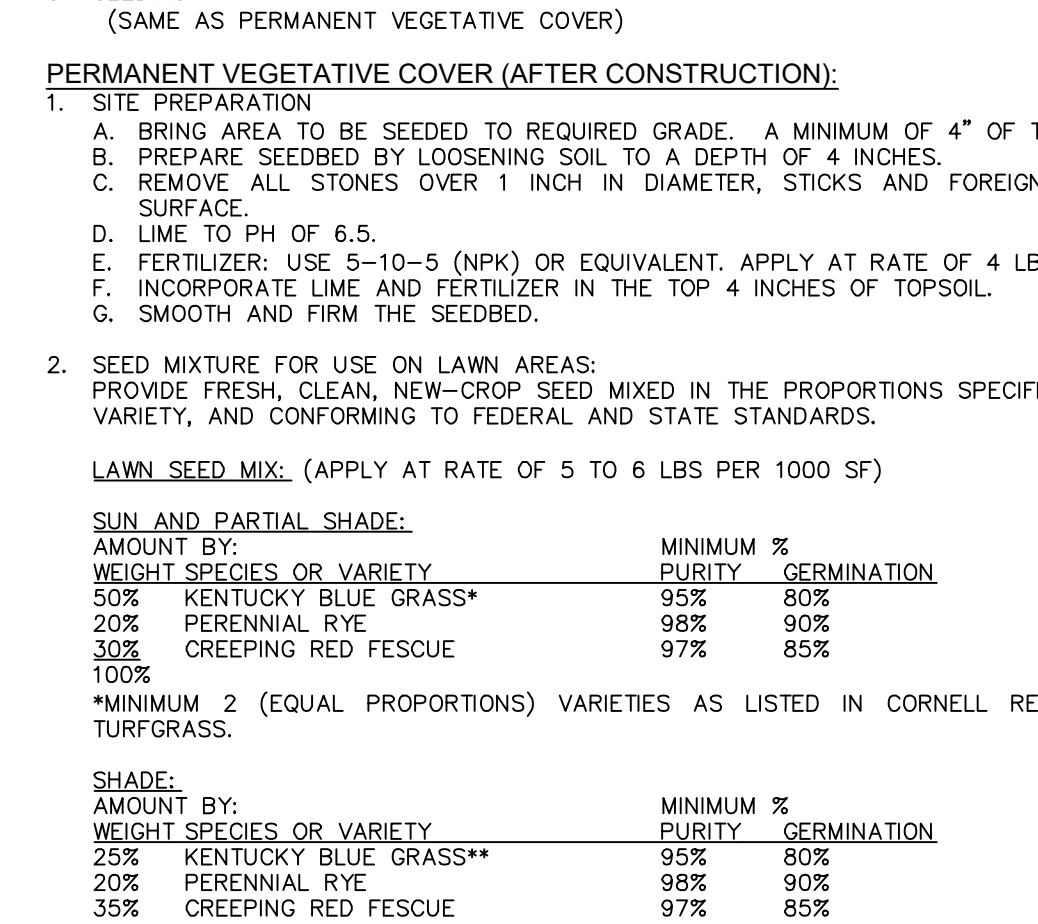
- 19. MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES**



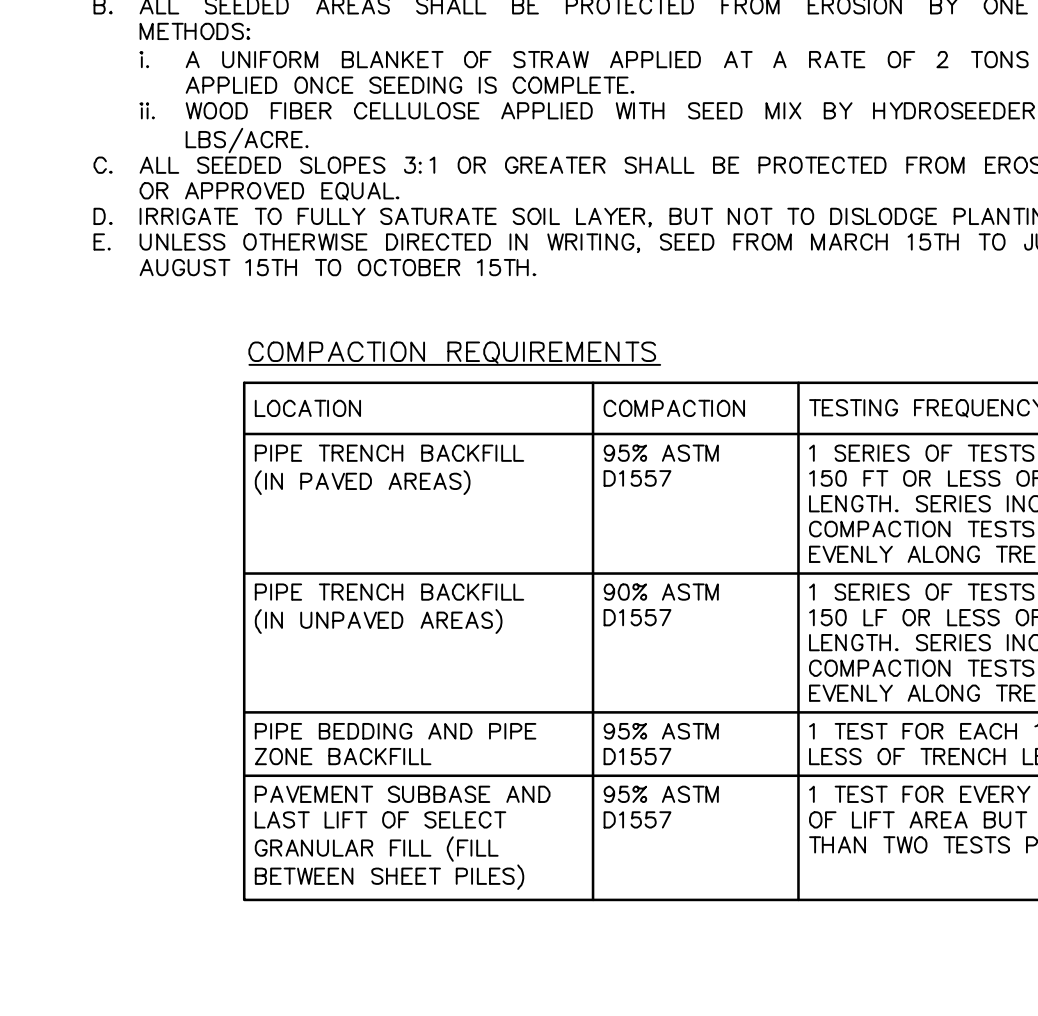
- 20. EROSION AND SEDIMENT CONTROL MEASURES**



- 21. TOPSOIL SPECIFICATIONS**



- 22. VEGETATIVE COVER SPECIFICATIONS**



- 23. COMPACTATION REQUIREMENTS**

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0 1 2 3  
ORIGINAL SCALE IN INCHES

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Xref's Attached: XTB\_24X30\_80940-09  
Date Plotted: Aug 19, 2020, 8:25am

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designed SK checked C.J.L.  
date 08/19/20  
project no. 80940.09  
sheet no. C550

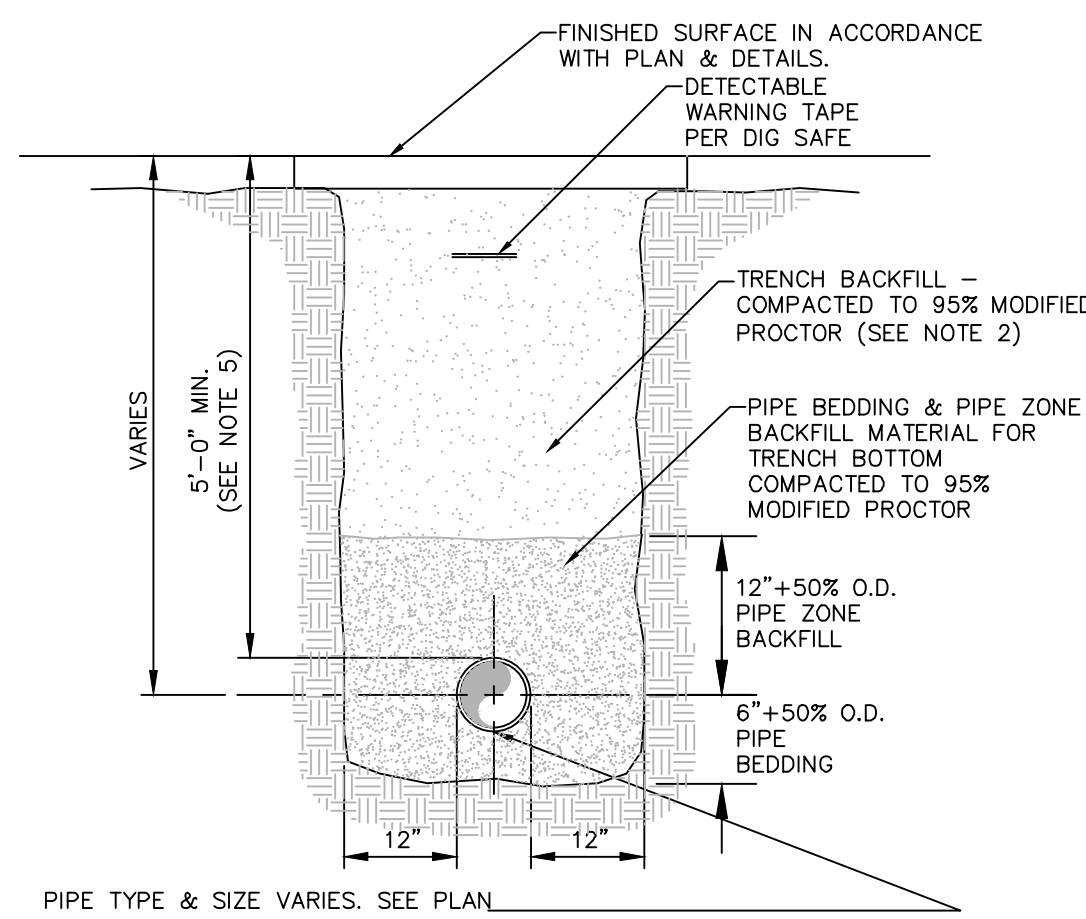
HUDSON VALLEY HOSPITAL CENTER  
EROSION & SEDIMENT CONTROL NOTES AND DETAILS  
TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

1 8/19/20 REVISED FOR PLANNING BOARD SUBMITTAL  
rev. date description

1 8/19/20 REVISED FOR PLANNING BOARD SUBMITTAL  
rev. date description

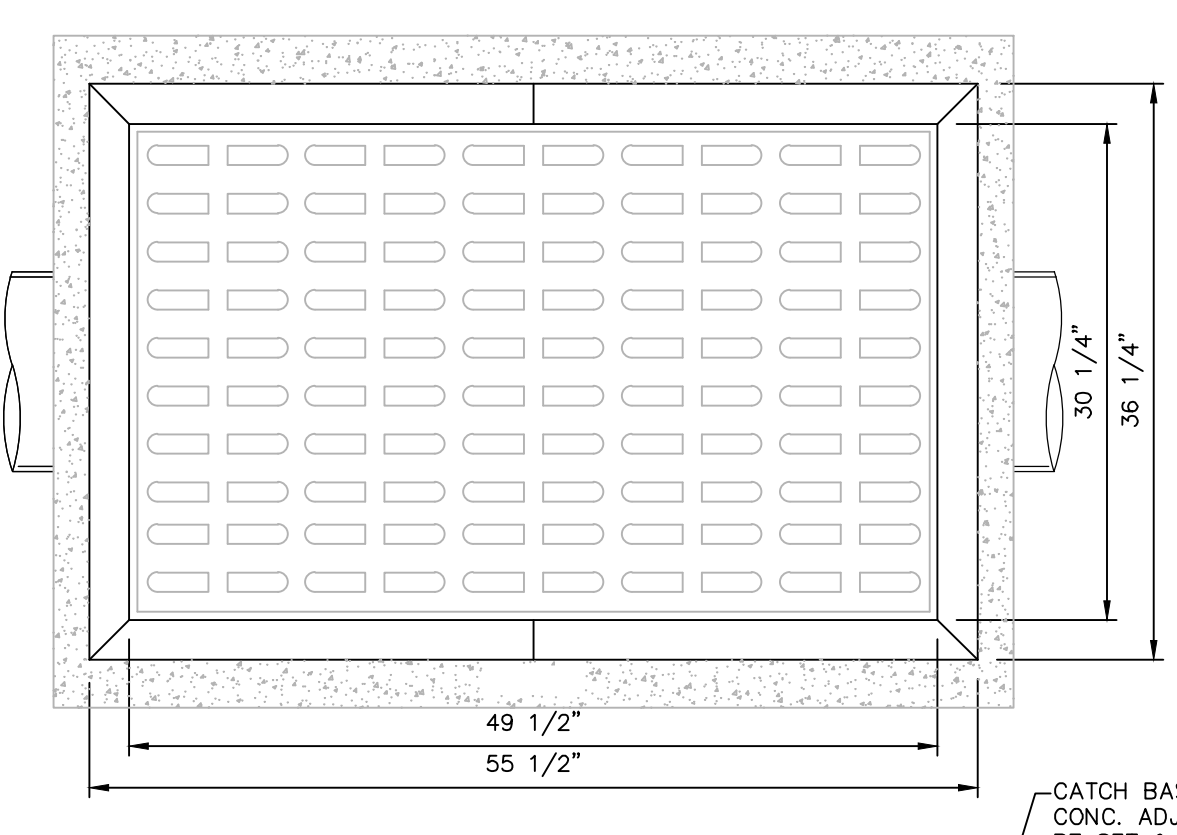
1 8/19/20 REVISED FOR PLANNING BOARD SUBMITTAL  
rev. date description



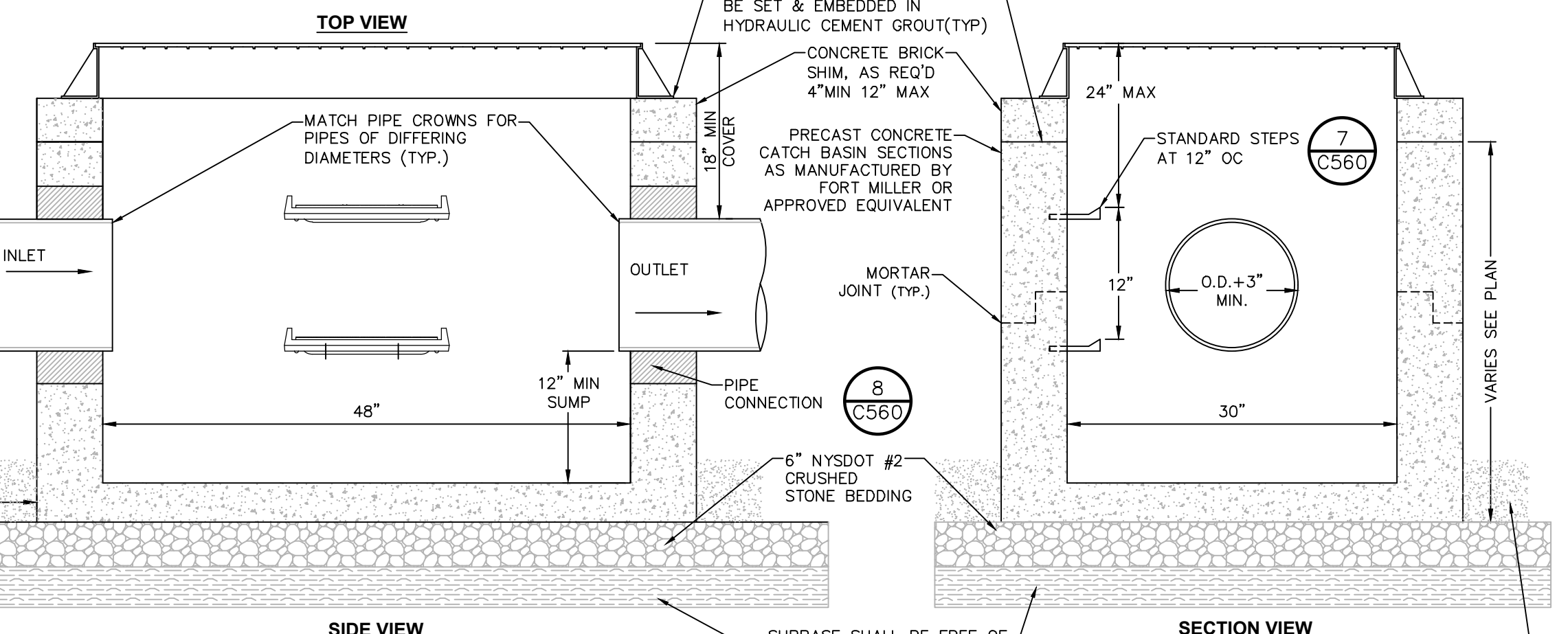


- NOTES:**
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 3/4"              | 100%      |
| NO. 40            | 0-10%     |
| NO. 200           | 0-10%     |
- TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 4"                | 100%      |
| NO. 40            | 0-70%     |
| NO. 200           | 0-10%     |
- IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.
  - INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
  - TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
  - 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

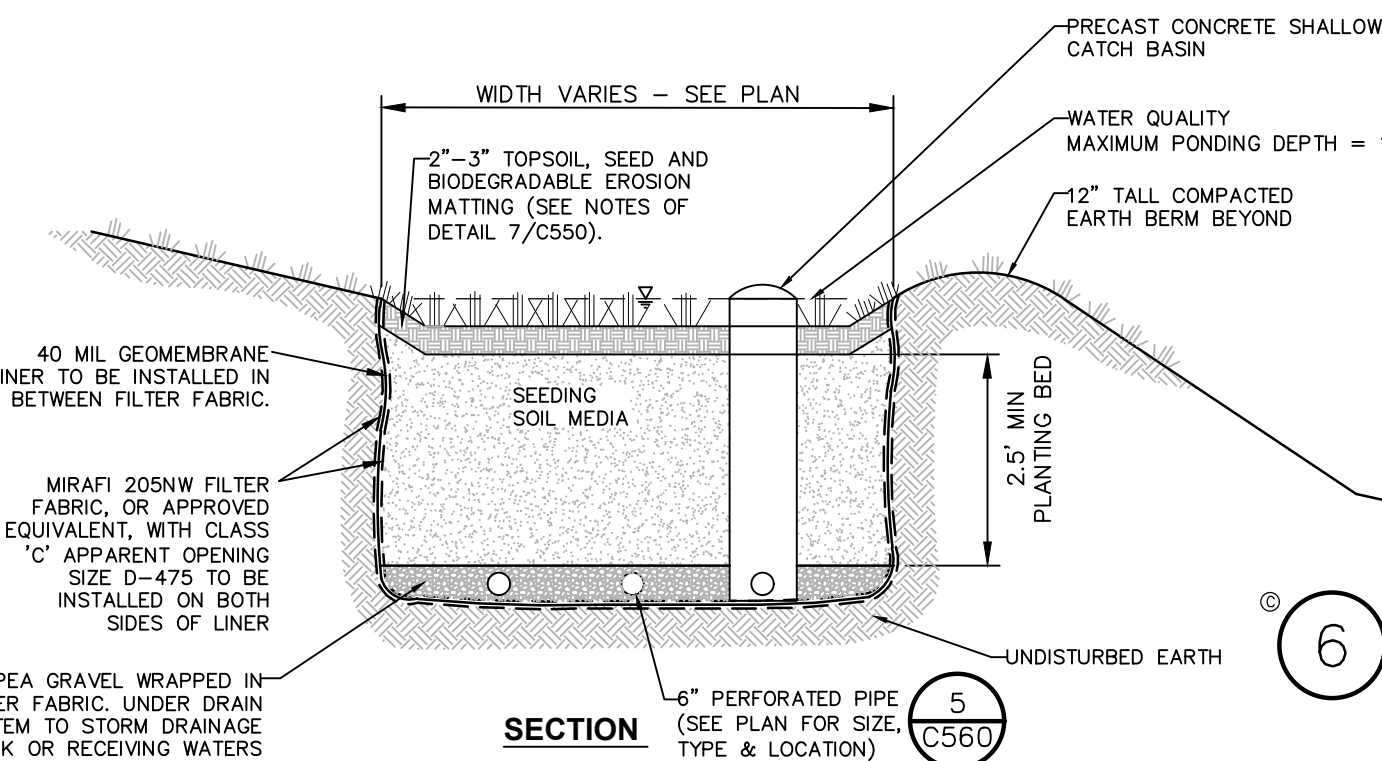
**1 PIPE TRENCH DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



- NOTES:**
- CATCH BASIN SHALL BE PRECAST CONCRETE, DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
  - FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT.
  - CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
  - CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
  - BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
  - SUMPS FOR CATCH BASINS SHALL BE 12".
  - EJ GROUP GRATE & FRAME PN#00758535A01 OR EQUIVALENT.

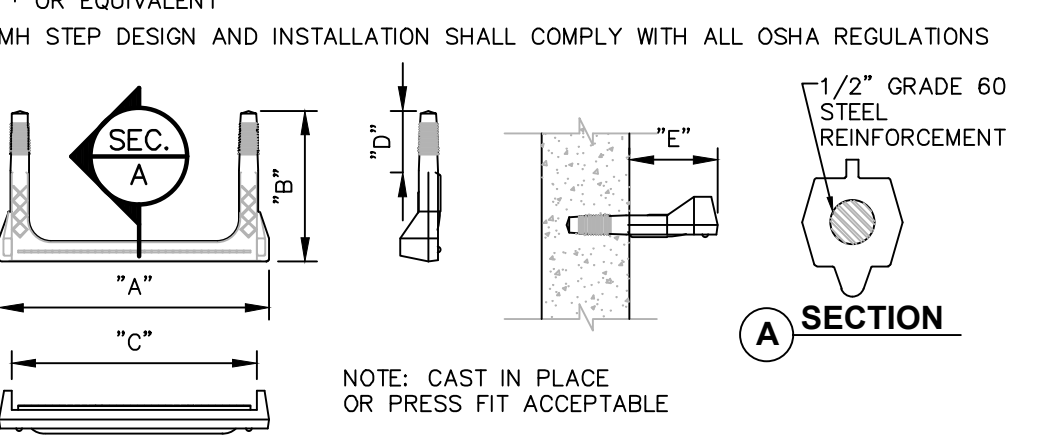


**2 PRECAST CONCRETE RECTANGULAR CATCH BASIN DETAIL**  
SCALE: NOT TO SCALE



**ACCEPTABLE MANHOLE STEPS**

MANUFACTURER	PATTERN NUMBER	"A" STEP WIDTH	"B" LEG LENGTH	"C" RUNG CLEAR	"D" EMBEDMENT	"E" RUNG CLEAR
M.A. INDUSTRIES INC.	PS2-PF	14 3/4	9 1/4	13 3/4	3 3/8	5 7/8
M.A. INDUSTRIES INC.	PS2-PFS	14 3/4	8 1/4	13 3/4	3 3/8	4 7/8

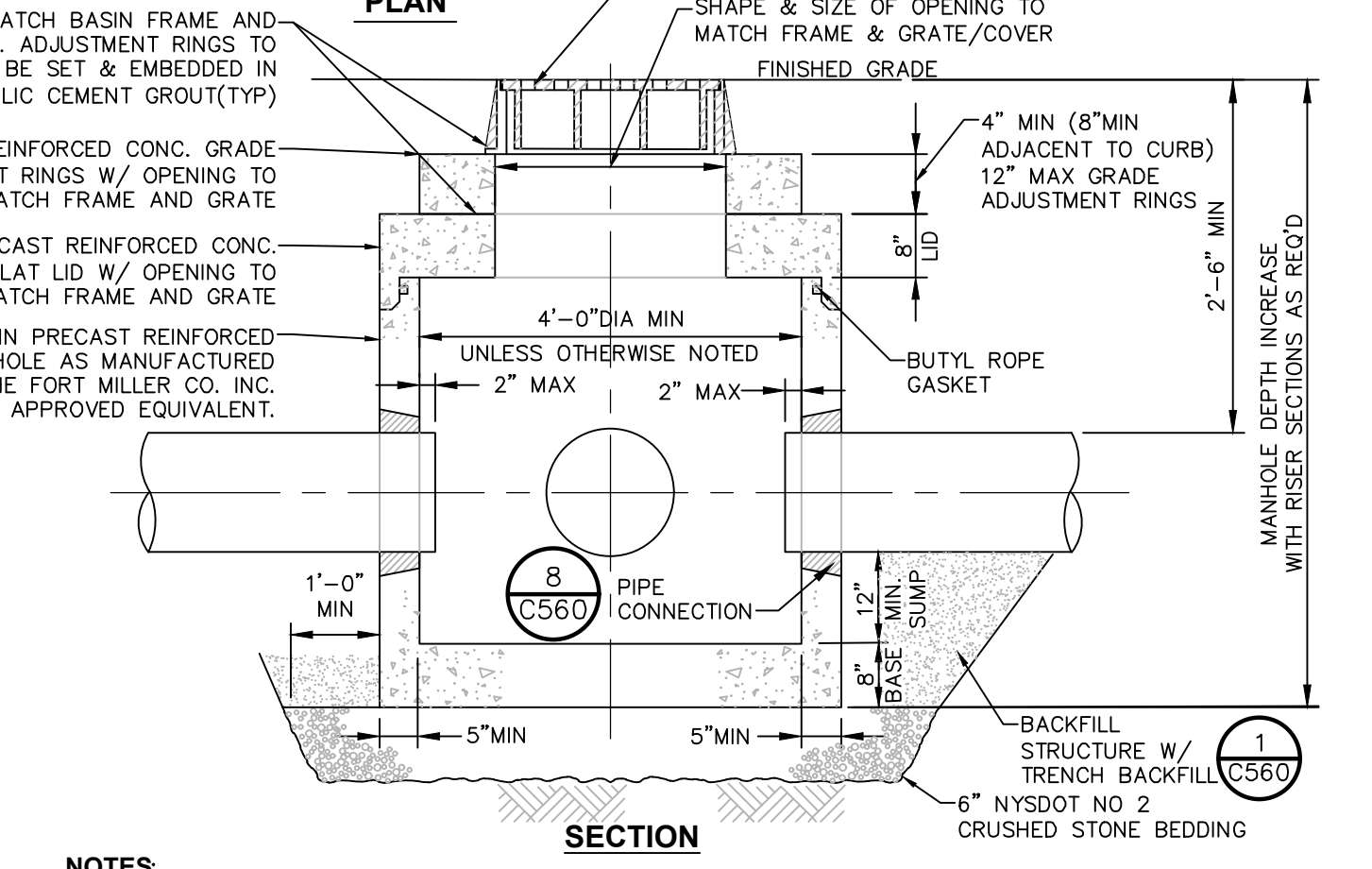
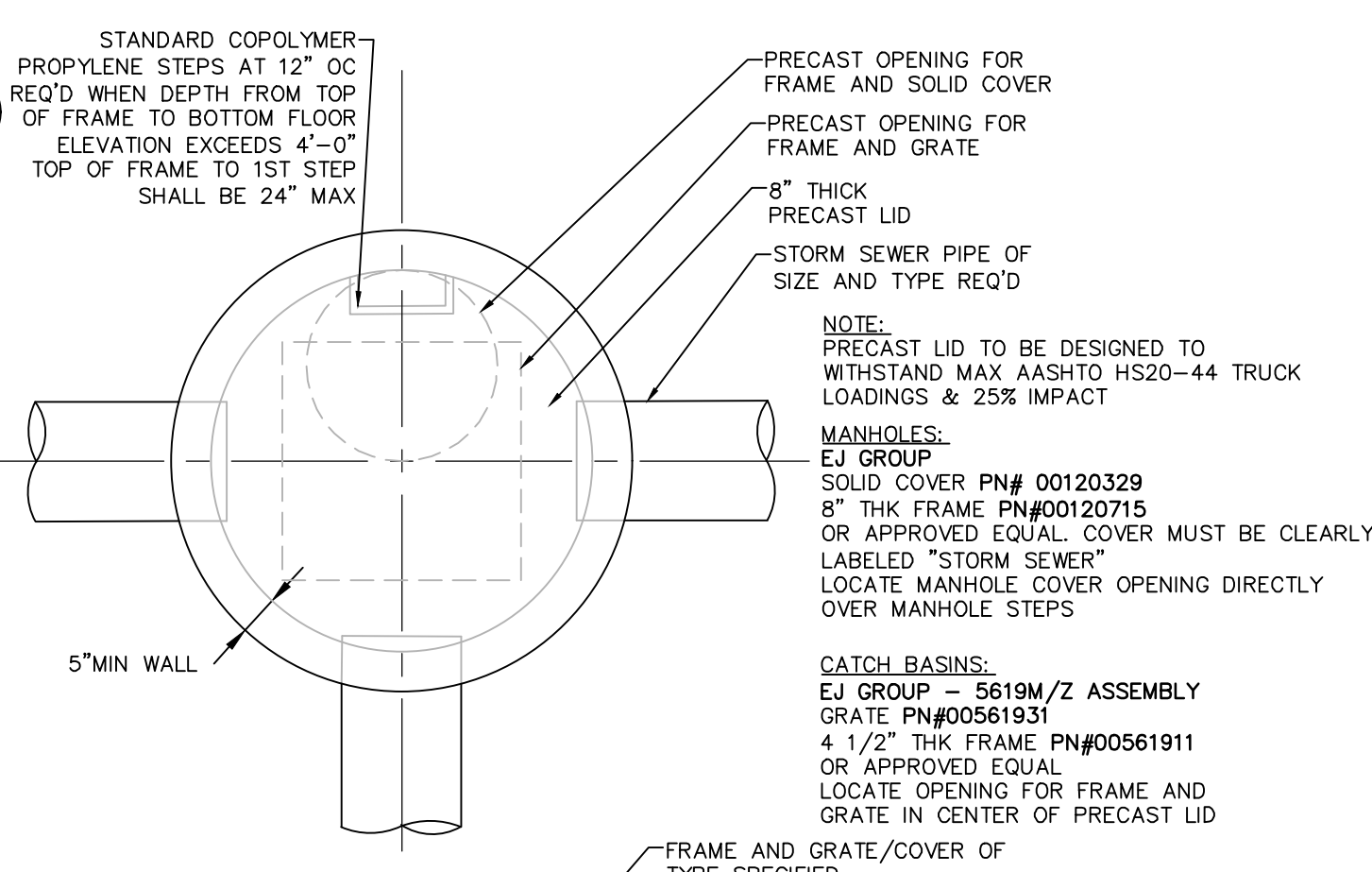


**7 COPOLYMER POLYPROPYLENE MH STEP**  
SCALE: NOT TO SCALE

**MATERIALS SPECIFICATION FOR BIORETENTION**

PARAMETERS	SPECIFICATIONS	SIZE	NOTES:
SEEDING SOIL: ERNMX-128	SAND 35-60% SILT 30-55% SEEDING-LOW MAINTENANCE 10-25%	N/A	USDA SOIL TYPES LOAMY SAND, SANDY LOAM OR LOAM
UNDERDRAIN	PEA GRAVEL: ASTM D 448 ORNAMENTAL STONE, WASHED COBBLES	PEA GRAVEL: NO 6 STONE: 2"-5"	
GEOTEXTILE	CLASS 2: APPARENT OPENING SIZE (ASTM-D-4751) GRAB TENSILE STRENGTH (ASTM-D-4832) BURST STRENGTH (ASTM-D-4833)	N/A	FOR USE AS NECESSARY BENEATH UNDERDRAINS ONLY
UNDERDRAIN GRAVEL	AASHTO M-43, NO. 67.	0.25" - 0.75"	3/8" PERFOR. 6" O.C., 4 HOLES PER ROW, MINIMUM 6" GRAD OVER PIPES, NOT NECESSARY UNDERNEATH PIPES
UNDERDRAIN FRING	ASTM D 1785 OR AASHTO M-278	6" RIGID SCHEDULE 40 PVC	3/8" PERFOR. 6" O.C., 4 HOLES PER ROW

**BIORETENTION DETAIL**  
SCALE: NTS

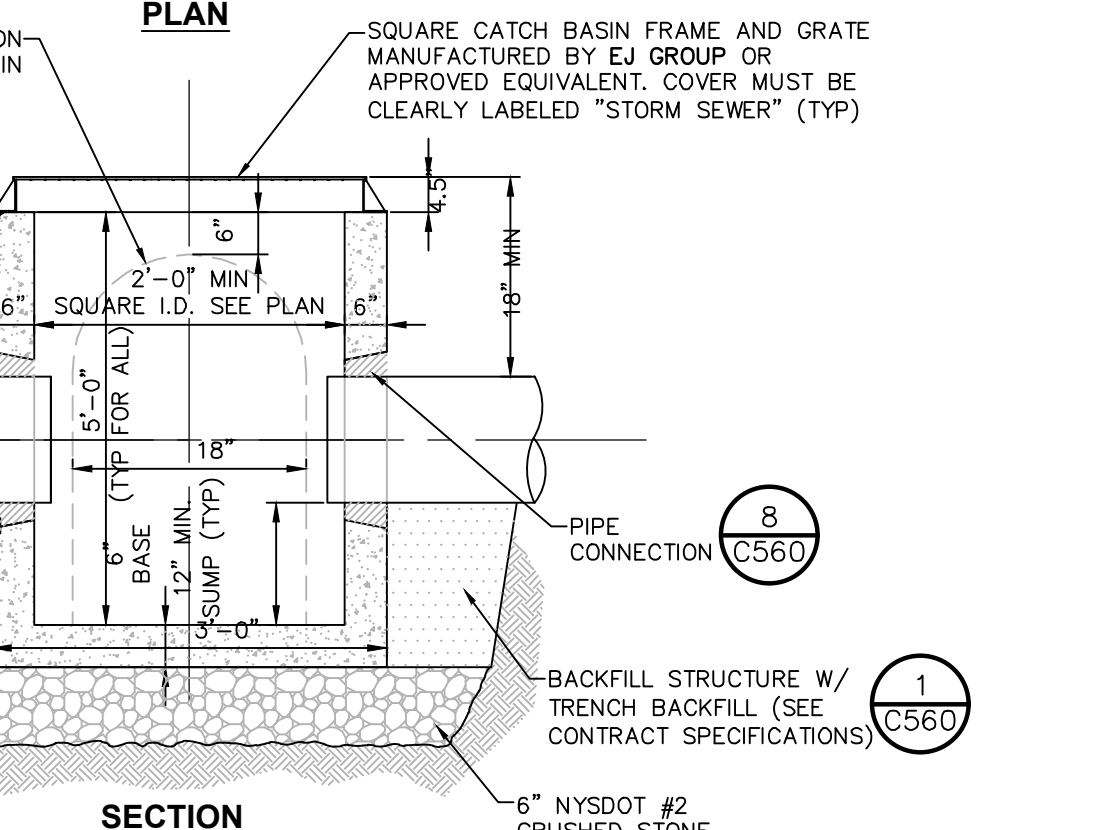


- NOTES:**
- CATCH BASIN SHALL BE PRECAST CONCRETE, DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
  - FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT.
  - CONCRETE CATCH BASIN LID CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
  - CATCH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

**10 PRECAST CONCRETE CATCH BASIN/MANHOLE DETAIL**  
SCALE: NOT TO SCALE

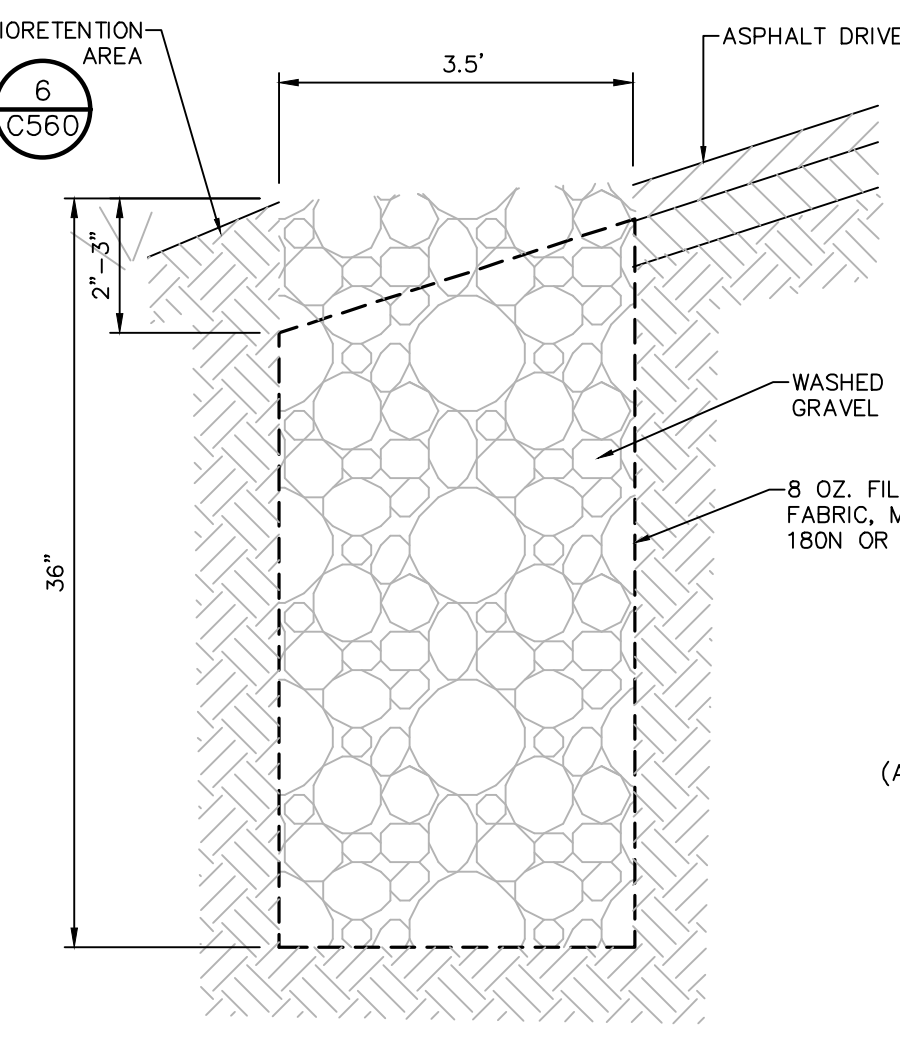
**NY FRAME & GRATE PART NUMBER ACCESSIBLE GRATE OPTION**

24"x24"	V-5624	V-5624-80
30"x30"	V-5630	V-5630-80
30"x36"	V-5668	
30"x48"	V-5669	
36"x36"	V-5636	V-5636-80
36"x48"	V-5670	

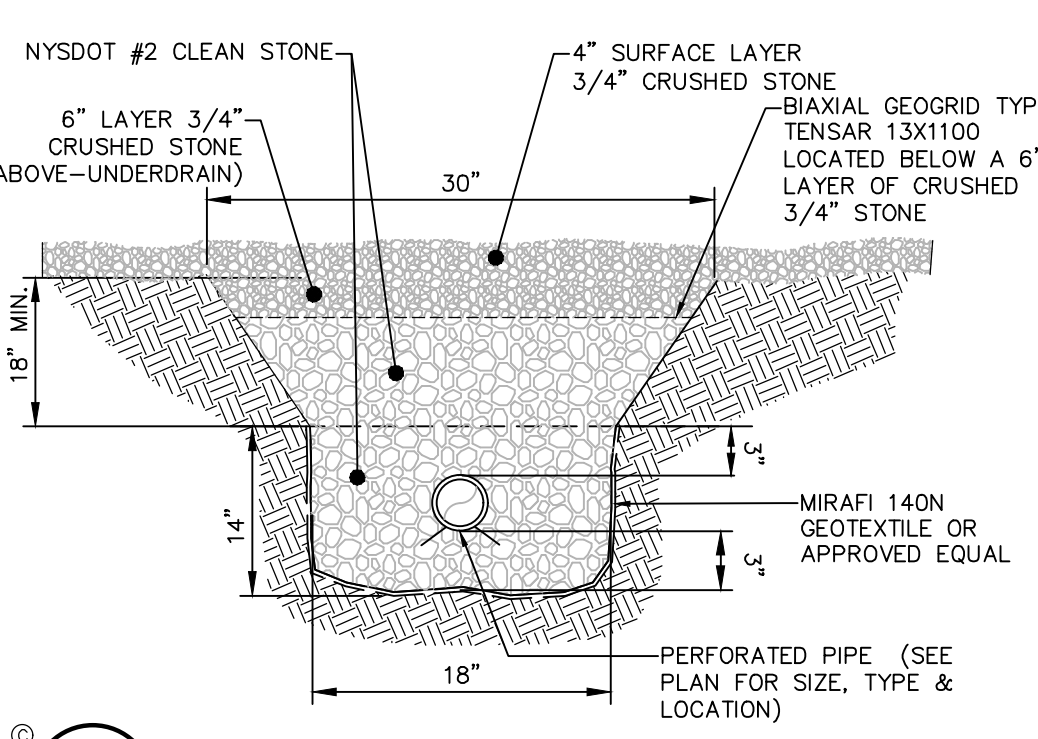


- NOTE:**
- ALL PRECAST CONSTRUCTION IN ACCORDANCE W/ ASTM C478
- NOTES:**
- CATCH BASIN INLET BASINS SHALL BE PRECAST CONCRETE, DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.
  - CATCH BASIN SHALL NOT HAVE A DEPTH GREATER THAN 60" FROM FINISHED SURFACE.
  - BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
  - MAX STORM SEWER PIPE FOR SHALLOW 2' CATCH BASIN IS 15"

**3 PRECAST CONCRETE SHALLOW CATCH BASIN DETAIL**  
SCALE: NOT TO SCALE

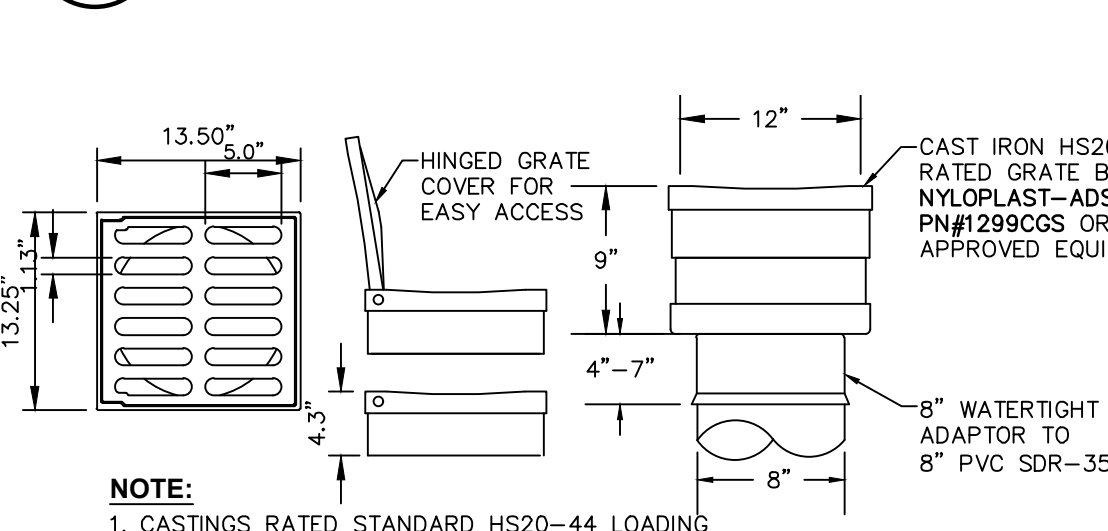


**4 PEA GRAVEL DIAPHRAGM**  
SCALE: NOT TO SCALE



**5 UNDERDRAIN DETAIL**  
SCALE: NOT TO SCALE

**8 PIPE CONNECTION TO DRAINAGE STRUCTURE-CMP OR HDPE CEMENT GROUT SEAL JOINT**  
SCALE: NOT TO SCALE



**9 12" IN-LINE DRAIN & GRATE**  
SCALE: NOT TO SCALE

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rev.	date	description
1	8/19/20	REVISED FOR PLANNING BOARD SUBMITTAL

designed	checked
SK	C.J.L.
date	scale
08/19/20	
project no.	80940.09
sheet no.	C560

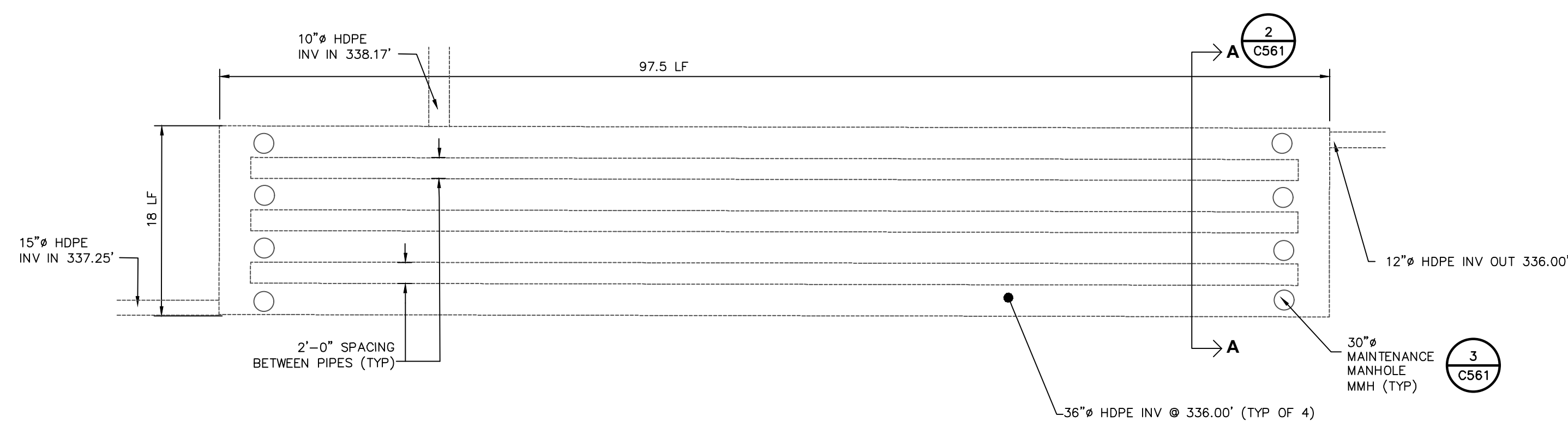
ISSUED FOR SITEPLAN APPROVAL - NOT FOR CONSTRUCTION

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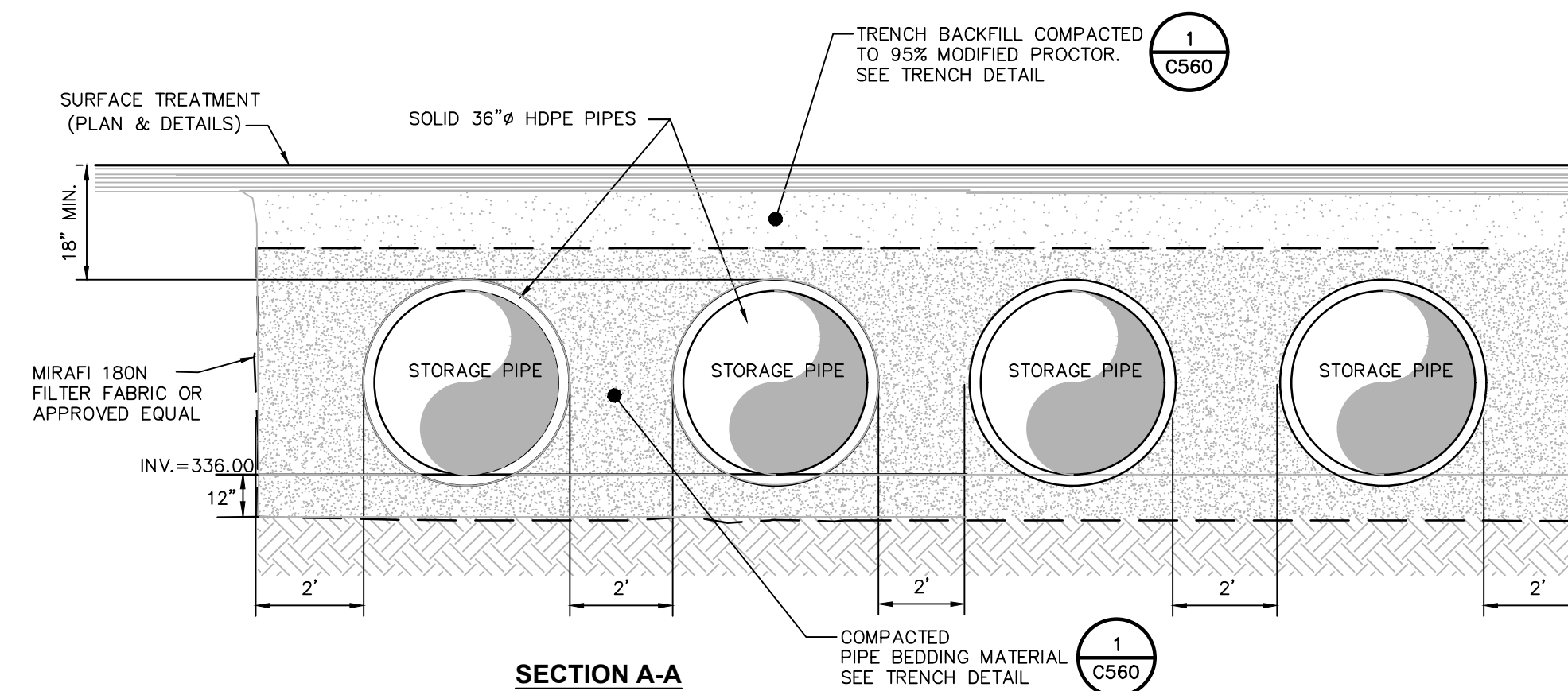
**STORMWATER DETAILS**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK





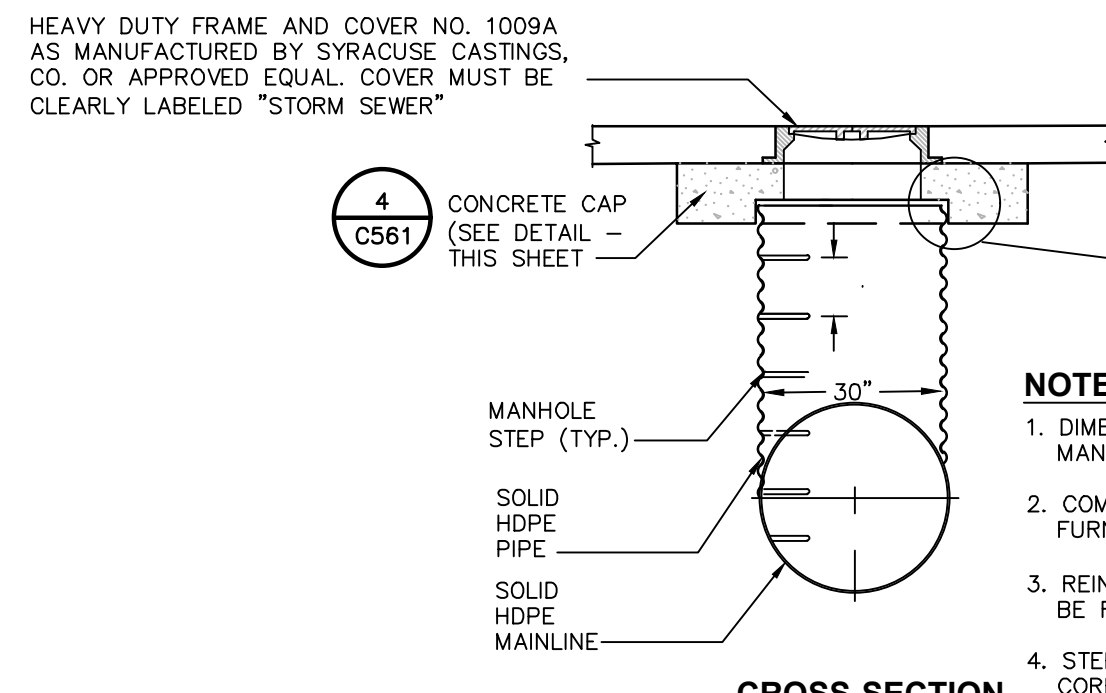
1 SUBSURFACE DETENTION SYSTEM - PLAN VIEW  
SCALE: NOT TO SCALE



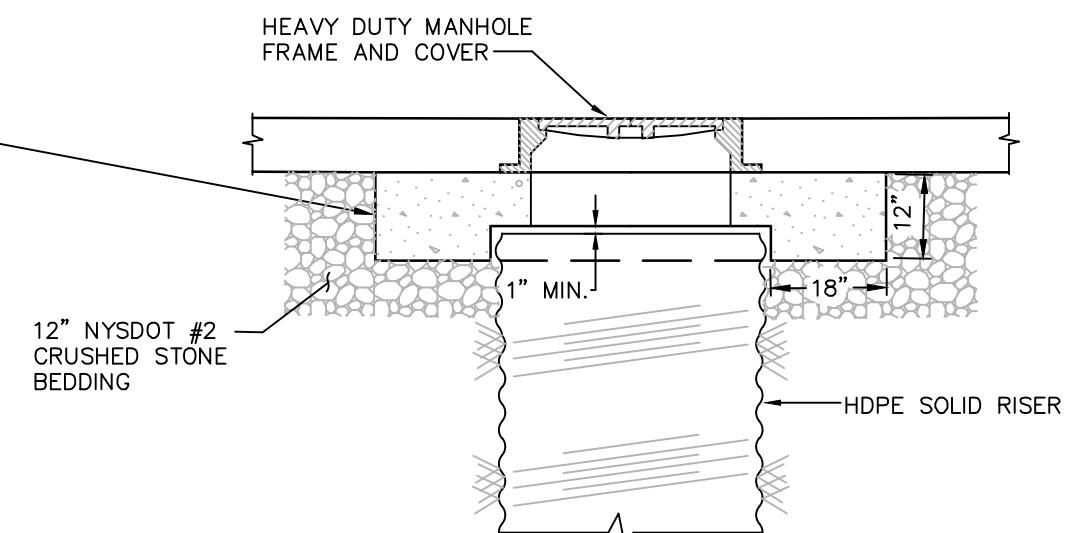
2 SUBSURFACE DETENTION SYSTEM - SECTION VIEW  
SCALE: NOT TO SCALE

- NOTES:**
- PIPE BEDDING MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR GRAVEL FREE OF SOFT NONDURABLE PARTICLES, ORGANIC MATERIALS AND THIN OR ELONGATED PARTICLES WITH THE FOLLOWING GRADATION REQUIREMENTS:  

SIEVE DESIGNATION	% PASSING
3/4"	100
3/8"	95-100
1/4"	0-15
No. 40	0-5
  - ALL CONNECTIONS SHALL BE WATERTIGHT AND PROVIDED TO ENGINEER FOR REVIEW.
  - HEADERS, MAINTENANCE MANHOLE/BARREL CONNECTIONS, INLET/BARREL CONNECTIONS, INLET/MAINTENANCE MANHOLE/BARREL CONNECTIONS SHALL BE PRE-FABRICATED BY MANUFACTURER.
  - MAINTENANCE SHALL BE IN ACCORDANCE WITH SWPPP.



- NOTES:**
- DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
  - COMPLETE SHOP DRAWINGS SHALL BE FURNISHED FOR FABRICATION.
  - REINFORCEMENT AND/OR SLIP JOINT MAY BE REQUIRED FOR MANHOLE RISER.
  - STEPS TO EXTEND TO BOTTOM OF CORRUGATED PIPE.

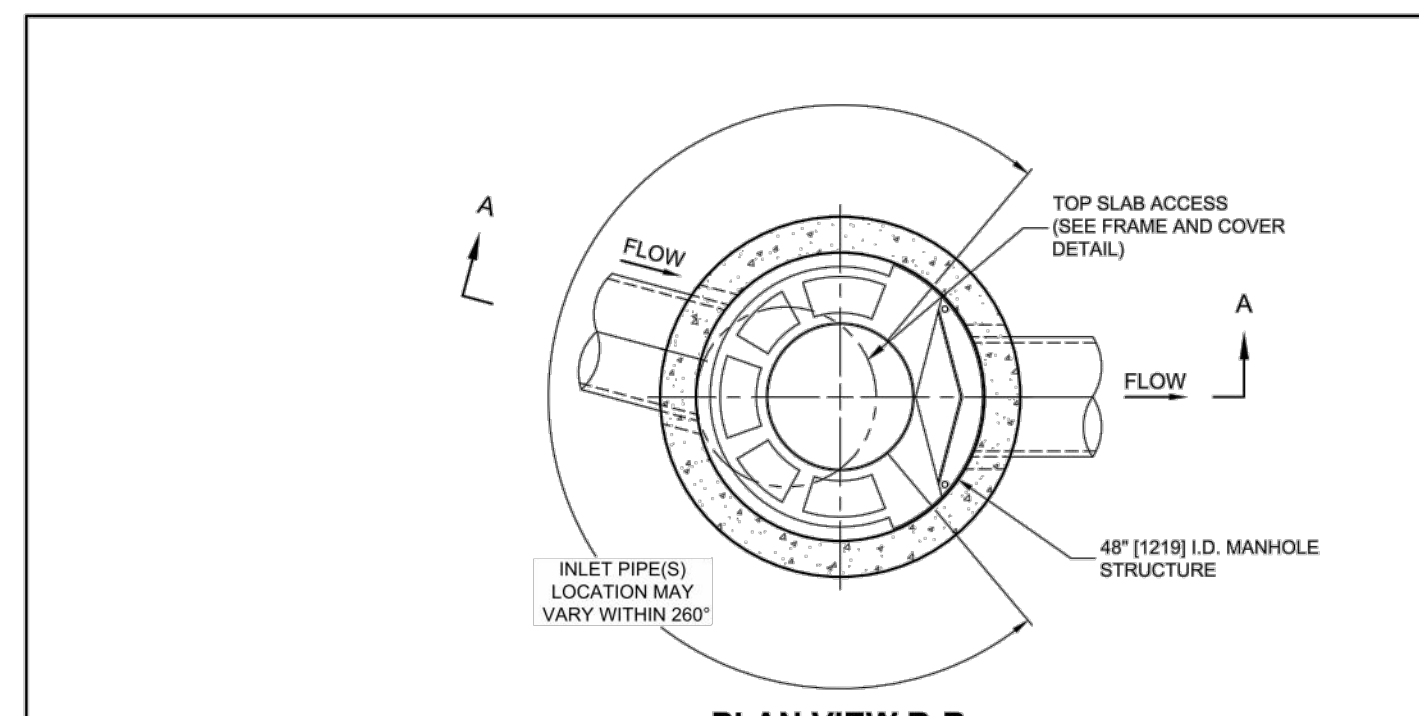


- NOTES:**
- THE CONCRETE CAP SHALL BE SIZED AND DESIGNED SO THAT LOADS ARE TRANSMITTED TO THE SOIL AND NOT THE RISER, DESIGN FOR H-20 LOADING.
  - THE CONCRETE CAP SHALL BE SIZED TO PROVIDE AN ADEQUATE BOTTOM AREA BASED ON THE ALLOWABLE BEARING CAPACITY OF THE SOIL.

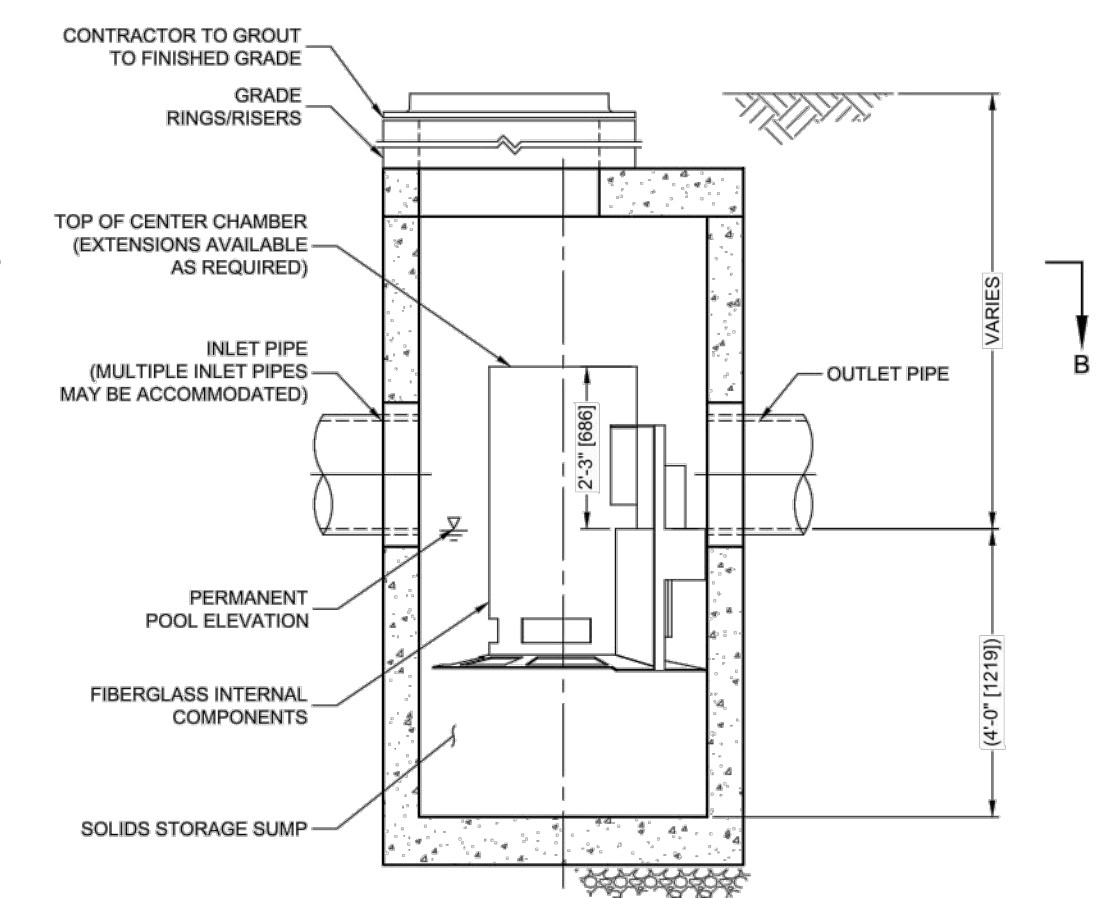
3 MAINTENANCE MANHOLE DETAIL  
SCALE: NOT TO SCALE

4 CONCRETE CAP  
SCALE: NOT TO SCALE

HEAVY DUTY FRAME AND COVER NO. 1009A AS MANUFACTURED BY SYRACUSE CASTINGS, CO. OR APPROVED EQUAL. COVER MUST BE CLEARLY LABELED "STORM SEWER"



PLAN VIEW B-B  
NOT TO SCALE



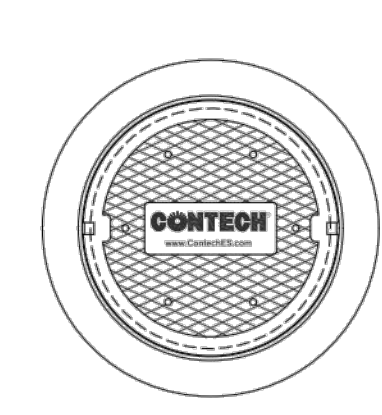
ELEVATION A-A  
NOT TO SCALE

**CASCADE separator™**

**CASCADE SEPARATOR DESIGN NOTES**

THE STANDARD CS-4 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES



FRAME AND COVER  
(DIAMETER VARIES)  
NOT TO SCALE

**SITE SPECIFIC DATA REQUIREMENTS**

STRUCTURE ID	WATER QUALITY FLOW RATE (cfs [L/s])	PEAK FLOW RATE (cfs [L/s])	RETURN PERIOD OF PEAK FLOW (yrs)	RIM ELEVATION

PIPE DATA	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

NOTES/SPECIAL REQUIREMENTS:

- GENERAL NOTES:**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.contechES.com](http://www.contechES.com)
  - CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO H20 LOAD RATING, ASSUMING EARTH COVER OF 0'-2' (610), AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
  - CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
  - ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm].
- INSTALLATION NOTES:**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
  - CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLY STRUCTURE.
  - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

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ENGINEERED SOLUTIONS LLC  
[www.contechES.com](http://www.contechES.com)  
8020 Centre Points Dr., Suite 400, West Chester, OH 45089  
800-338-1122 513-845-7000 513-845-7993 FAX

CS-4  
CASCADE SEPARATOR  
STANDARD DETAIL

5 CASCADE HYDRODYNAMIC SEPARATOR DETAIL  
SCALE: NOT TO SCALE

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I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED FEBRUARY 29, 2016 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

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rev.	date	description
1	8/19/20	REVISED FOR PLANNING BOARD SUBMITTAL

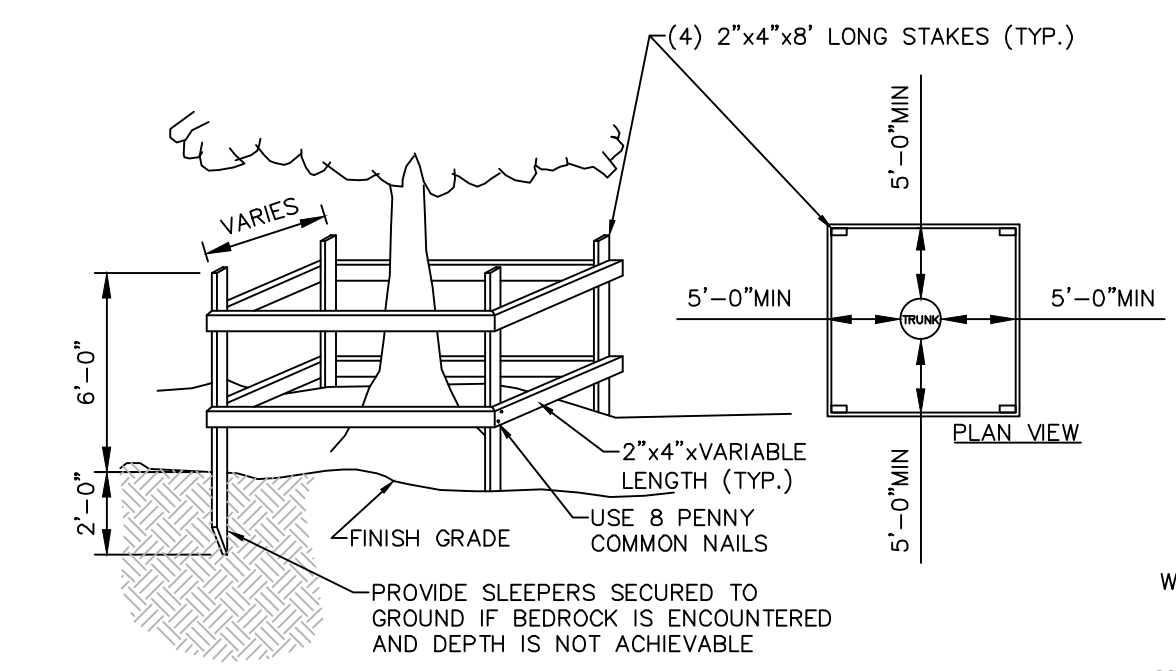
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**STORMWATER DETAILS**

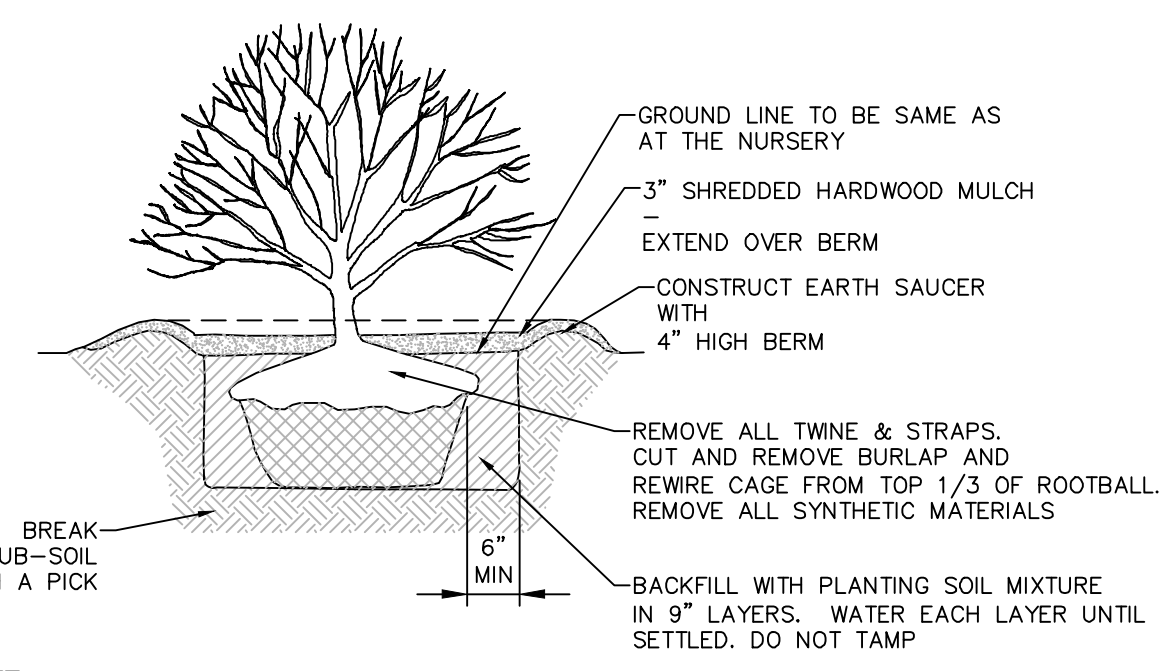
TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

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SK	CJL
08/19/20	
project no.	80940.09
sheet no.	C561

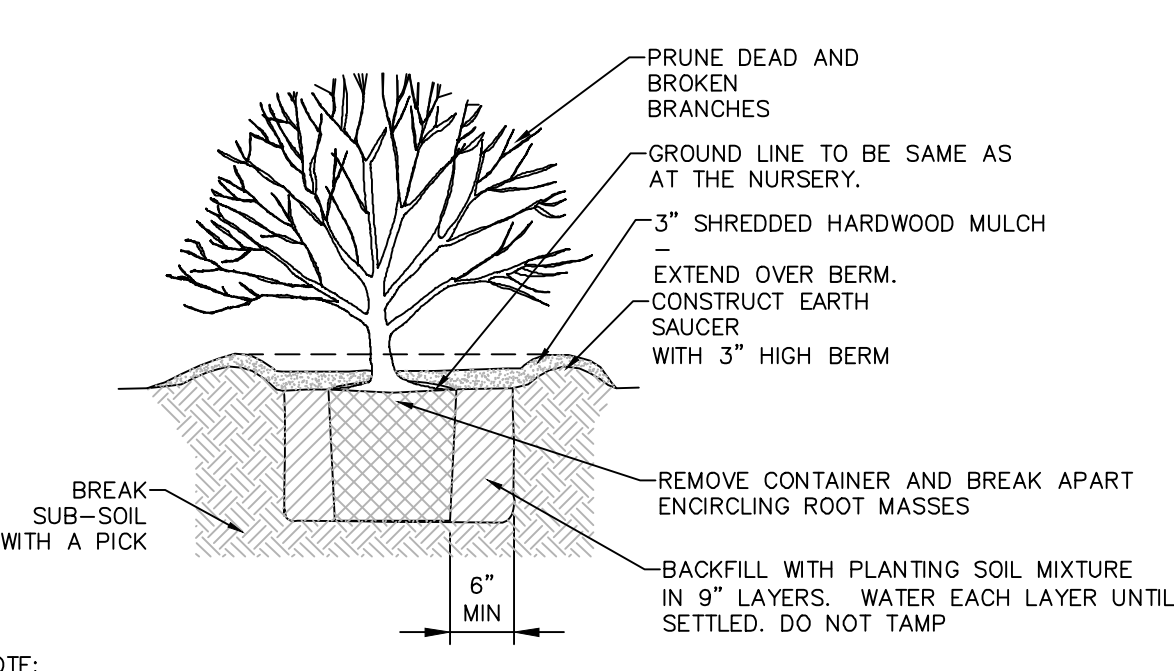




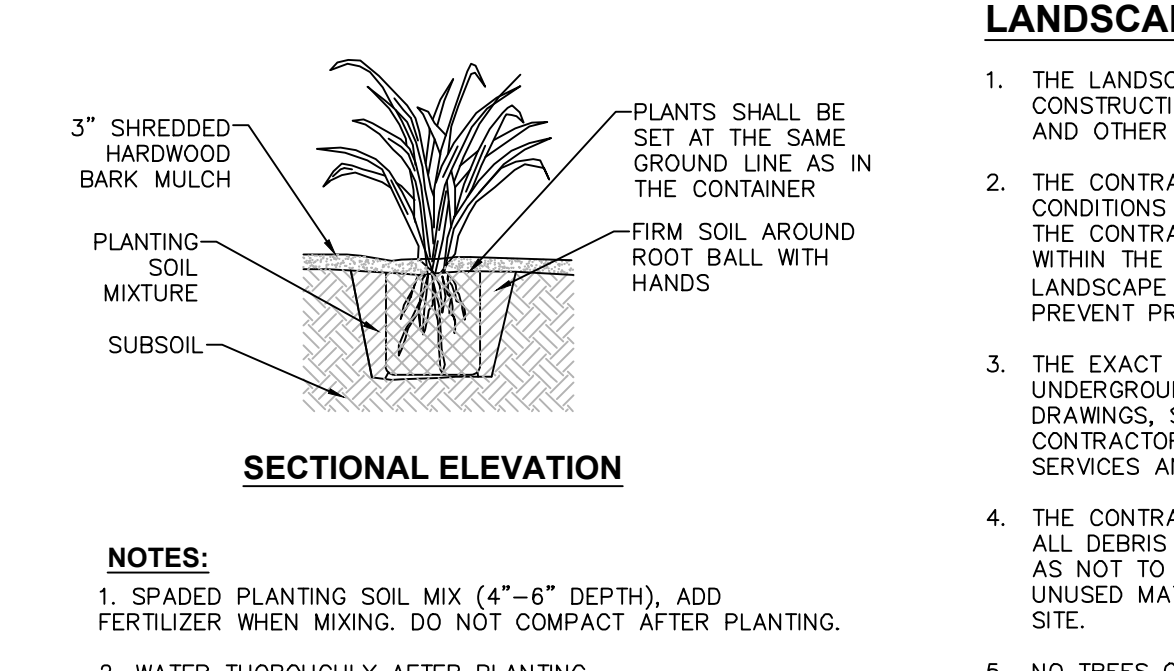
**1 TEMPORARY TREE PROTECTION DETAIL**  
SCALE: NOT TO SCALE



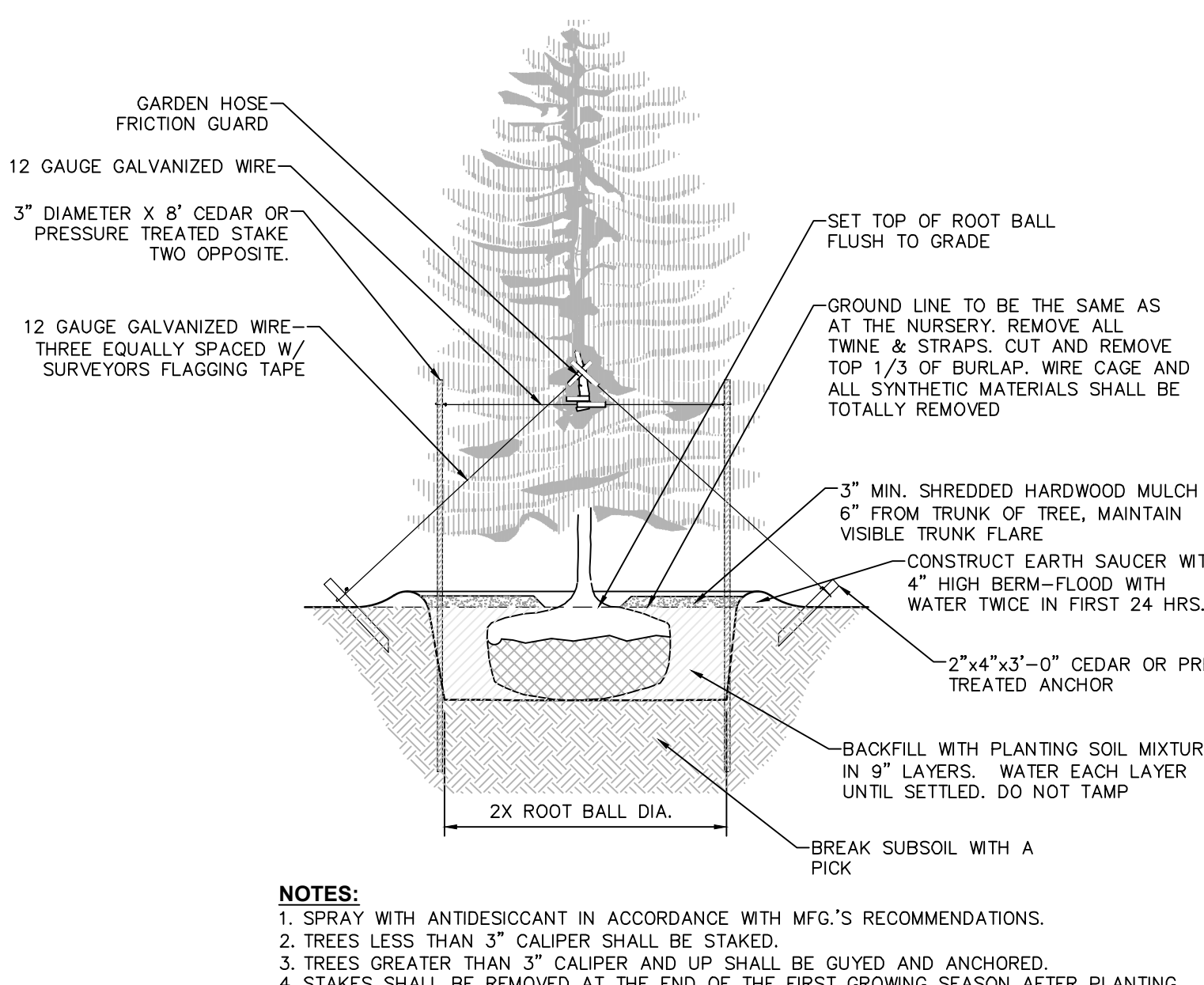
**2 SHRUB PLANTING DETAIL FOR ALL SHRUBS BALLED AND BURLAPPED**  
SCALE: NOT TO SCALE



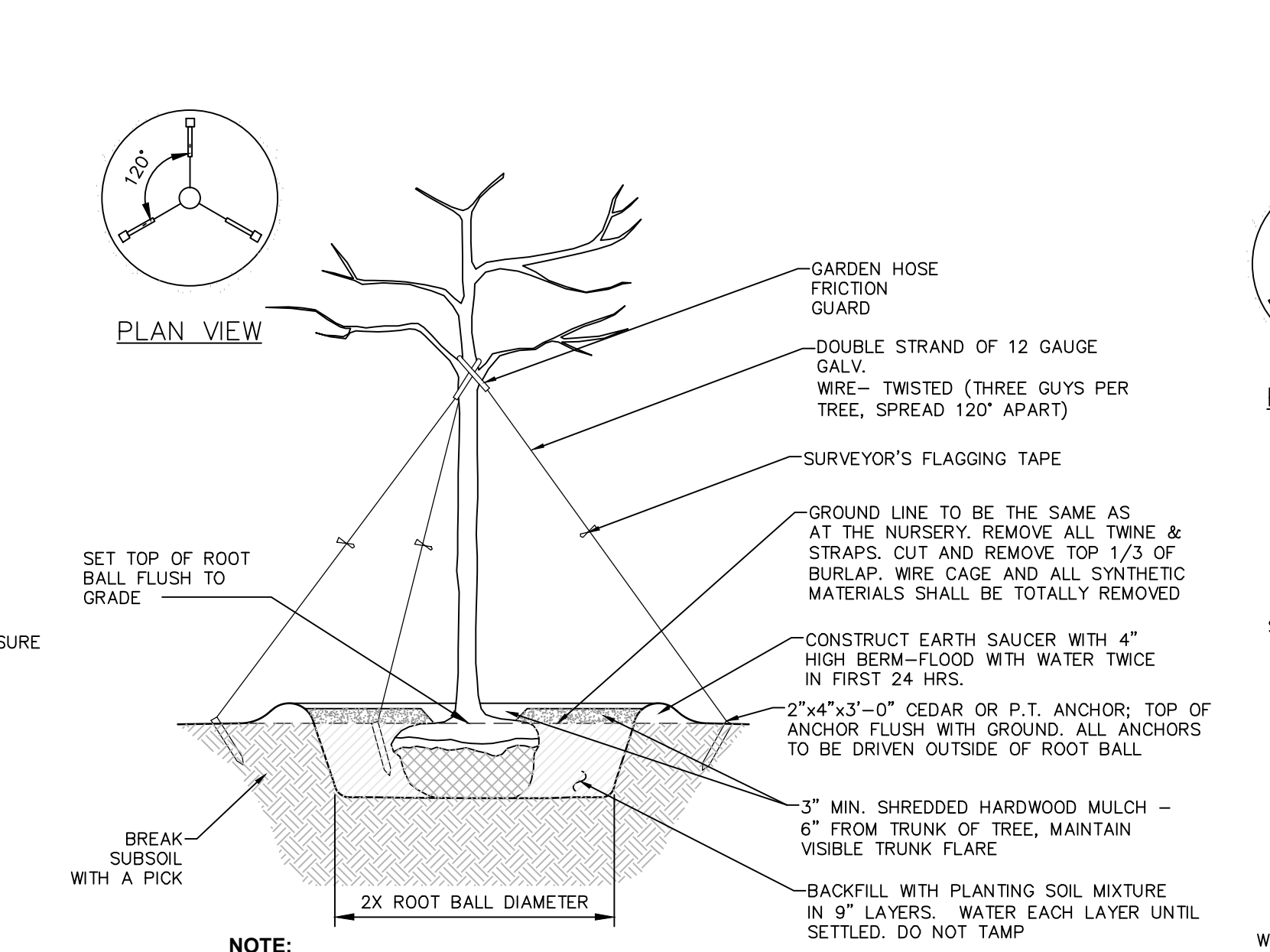
**3 SHRUB PLANTING DETAIL FOR CONTAINERIZED SHRUBS**  
SCALE: NOT TO SCALE



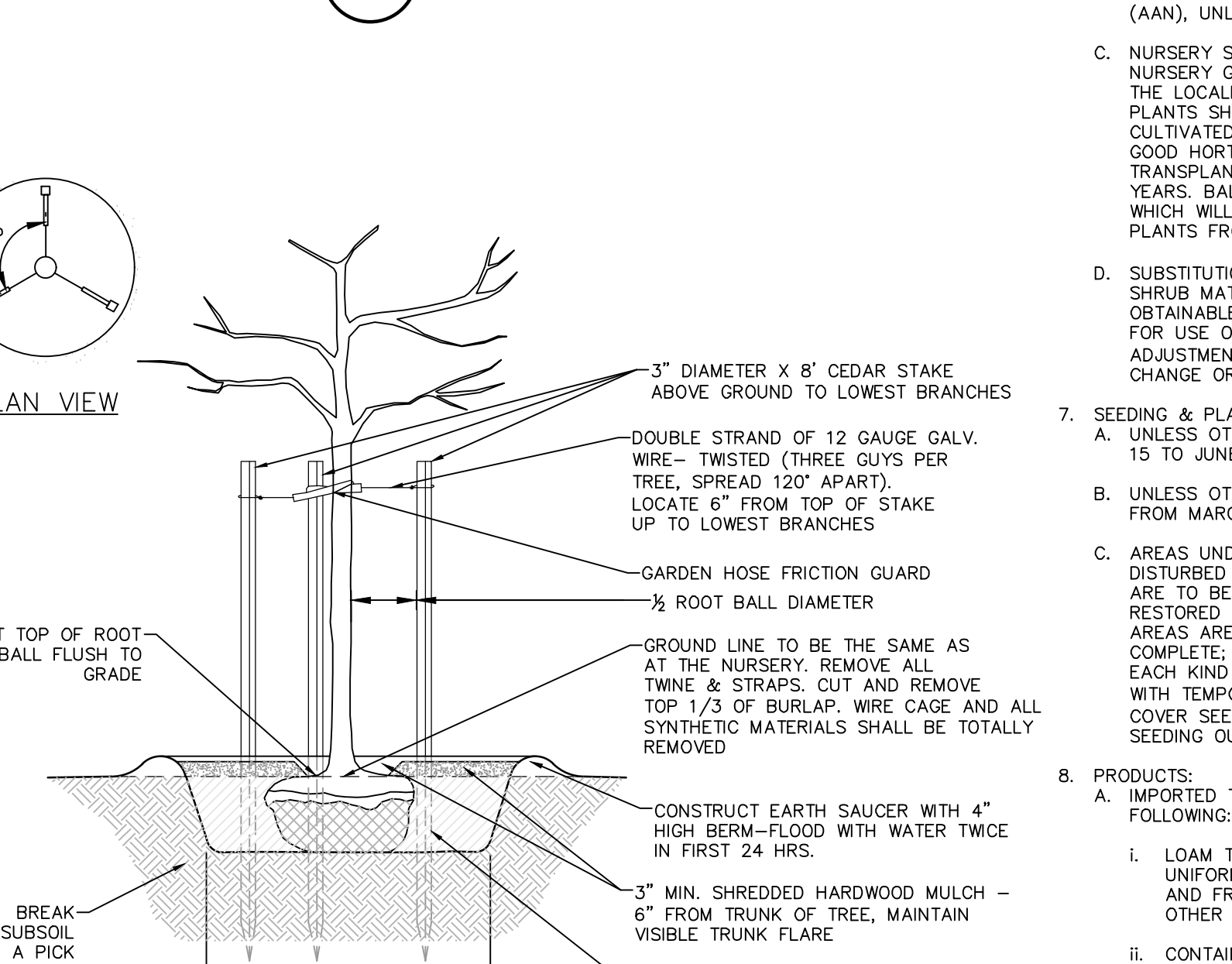
**4 CONTAINERIZED PERENNIAL PLANTING**  
SCALE: NOT TO SCALE



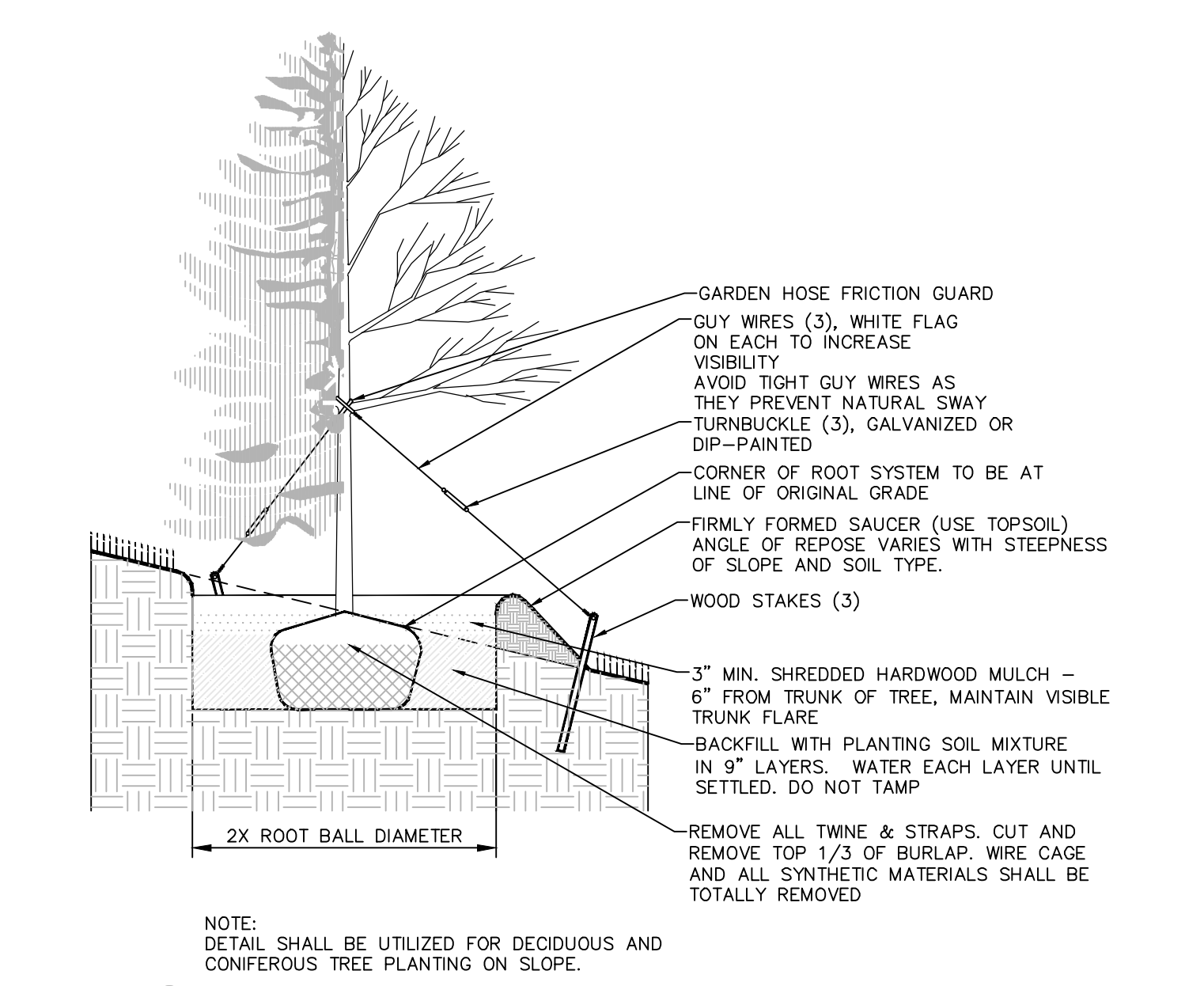
**5 EVERGREEN PLANTING DETAIL**  
SCALE: NOT TO SCALE



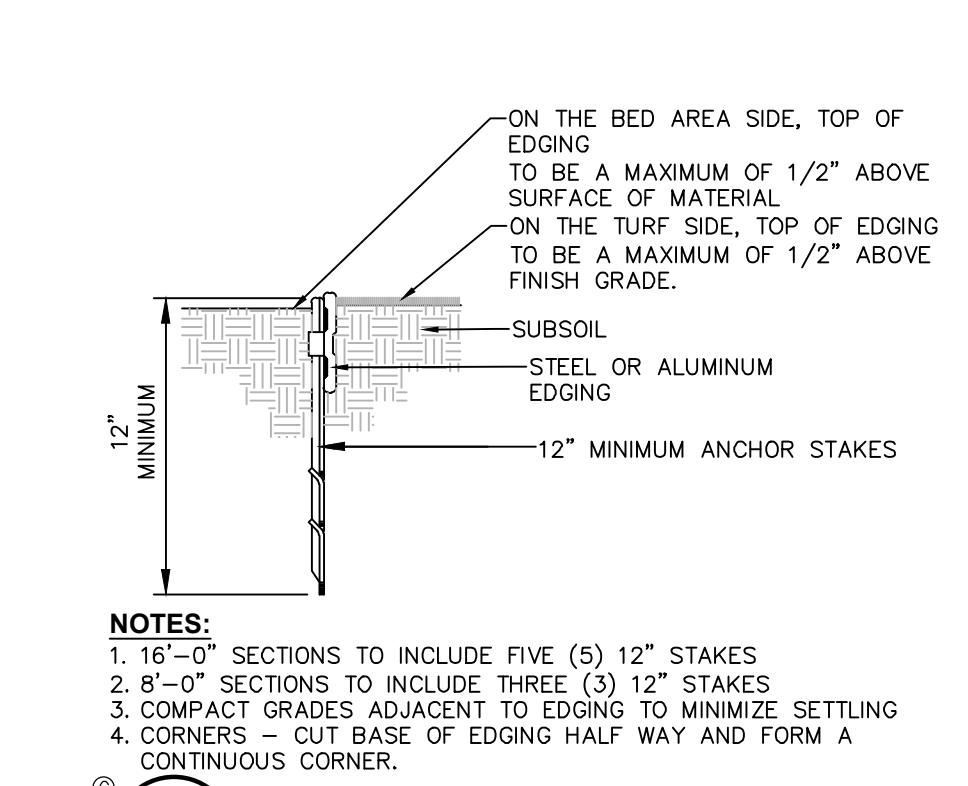
**6 PLANTING AND GUYING DETAILS FOR TREES 3\"/>**



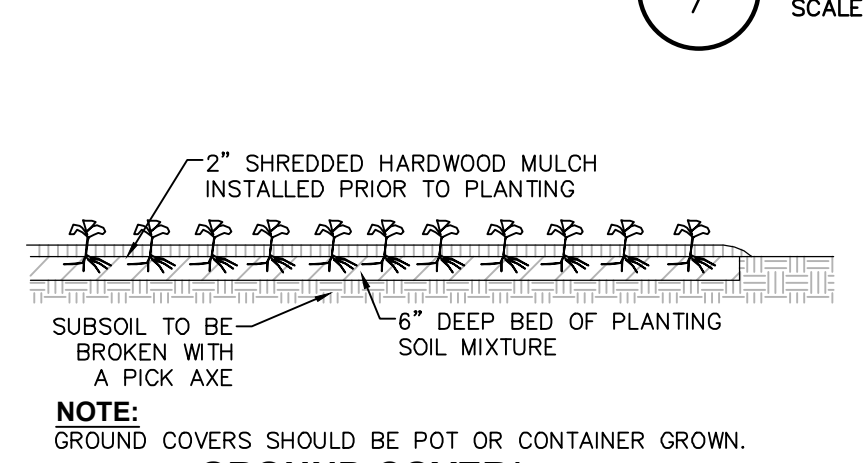
**7 PLANTING AND GUYING DETAILS FOR TREES SMALLER THAN 3\"/>**



**8 TREE PLANTING ON SLOPE**  
SCALE: NOT TO SCALE



**9 LANDSCAPE BED EDGING**  
SCALE: NOT TO SCALE



**10 GROUND COVER/ANNUAL PLUG PLANTING**  
SCALE: NOT TO SCALE

**LANDSCAPING NOTES:**

- THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.
- THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND INSPECT RELATED WORK AND ADJACENT SURFACES. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FINISH GRADES WITHIN THE WORK AREA. THE CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT/ENGINEER AND OWNER ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.
- THE EXACT LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND UNDERGROUND UTILITIES, WHICH MAY NOT BE INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITY SERVICES AND IS RESPONSIBLE FOR THEIR REPLACEMENT IF DAMAGED.
- THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM RUBBISH AND ALL DEBRIS AT ALL TIMES AND SHALL ARRANGE MATERIAL STORAGE SO AS NOT TO INTERFERE WITH THE OPERATION OF THE PROJECT. ALL UNUSED MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE SITE.
- NO TREES OR SHRUBS SHALL BE PLANTED ON EXISTING OR PROPOSED UTILITY LINES.
- QUALITY ASSURANCE:
  - NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.
  - SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERMEN, INC (AAN), UNLESS OTHERWISE SPECIFIED.
  - NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANSPORTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL. HEELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.
  - SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CONTRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER.
- SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
  - UNLESS OTHERWISE DIRECTED IN WRITING, SEED LAWNS FROM MARCH 15 TO JUNE 15, AND FROM AUGUST 15 TO OCTOBER 15.
  - UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.
  - AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE LAWNS OR PLANTINGS ARE TO BE ESTABLISHED AND WORK IS COMPLETE, SHALL BE RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. WORK SHALL BE WITHIN THE SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER (TOPSOIL AND TEMPORARY COVER SEED MIX) WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
- PRODUCTS:
  - IMPORTED TOPSOIL: PROVIDE TOPSOIL CONFORMING TO THE FOLLOWING:
    - LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL.
    - CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105°C.
    - CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.
    - CONTAINING THE FOLLOWING WASHED GRADATIONS:
 

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

**B. SEED MIXTURE:**  
PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. PROVIDE THE FOLLOWING MIXTURES:

i. **LAWN SEED MIX**

SUN AND PARTIAL SHADE:			
AMOUNT BY WEIGHT	SPECIES OR VARIETY	PURITY	GERMINATION
50%	KENTUCKY BLUE GRASS*	95%	80%
20%	PERENNIAL RYE	98%	90%
30%	CREeping RED FESCUE	97%	85%
100%			

\*MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN CORNELL RECOMMENDATIONS FOR TURFGRASS.

SHADE:

AMOUNT BY WEIGHT	SPECIES OR VARIETY	PURITY	GERMINATION
25%	KENTUCKY BLUE GRASS**	95%	80%
20%	PERENNIAL RYE	98%	90%
35%	CREeping RED FESCUE	97%	85%
20%	CHEWING RED FESCUE	97%	85%
100%			

\*\*SHADE TOLERANT VARIETY

ii. **TEMPORARY COVER SEED MIX**

AMOUNT BY WEIGHT	SPECIES OR VARIETY	PURITY	GERMINATION
100%	ANNUAL RYEGRASS	98%	90%

- C. LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 90% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH SIEVE.
- D. FERTILIZER:
  - FOR STARTER FERTILIZING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT CONTAINING 5% NITROGEN, 10% AVAILABLE PHOSPHOROUS, AND 5% WATER SOLUBLE POTASH (5-10-5).
  - FOR FINAL FERTILIZING: IF APPLIED IN SPRING SEASON, SHALL BE A SLOW RELEASE COMMERCIAL FERTILIZER, GRANULAR, WITH 3-1-2 NPK. IF APPLIED IN FALL SEASON, SHALL BE AS SPECIFIED IN (B.D.) ABOVE.
- E. TREES, SHRUBS, GROUND COVERS, PERENNIALS, ANNUALS:
  - PLANTING SOIL MIXTURE: SHALL BE PREMIXED IN BULK, AND CONTAIN THE FOLLOWING BY VOLUME:
    - 30 PARTS TOPSOIL
    - 10 PARTS PEAT
    - 1 PART BONE MEAL
  - PEAT: BROWN TO BLACK IN COLOR, WEED AND SEED FREE. DRIED SPAGNUM PEAT, CONTAINING NOT MORE THAN 9% MINERAL ON A DRY BASIS AND CONFORMING TO NYSDOT 713-15.
  - BONE MEAL: FINELY GROUND, RAW, MINIMUM 4% NITROGEN AND 20% PHOSPHORIC ACID. IT SHALL BE DELIVERED IN SEALED BAGS SHOWING THE MANUFACTURER'S GUARANTEED ANALYSIS.
- F. STAKES: 8 FEET LONG, 3 INCH DIA. CEDAR OR P.T. WOOD STAKES.
- G. HOSE: NEW, 2-PLY GARDEN HOSE NOT LESS THAN 1/2 INCH IN DIAMETER.
- H. WEED CONTROL FABRIC: SOIL CHECK AS MANUFACTURED BY BRIGHTON BYPRODUCTS CO. INC, NEW BRIGHTON, PA; MIRASCAPCO OR MIRAFI GEOSYNTHETIC PRODUCTS, NORRISBORO, PA, OR APPROVED EQUIVALENT.

- I. MULCH:
  - LAWN AREAS**  
OAT OR WHEAT STRAW, FREE OF WEEDS. AN ALTERNATIVE IS WOOD FIBER CELLULOSE IF HYDROSEEDING IS USED.
  - PLANT BED AREAS**  
GROUND OR SHREDDED HARDWOOD BARK, UNCOLORED, NO PIECES OVER 2 INCHES GREATEST DIMENSION. FREE FROM SAWDUST.
- J. EXECUTION:
  - LANDSCAPE WORK SHALL BE UNDERTAKEN AS SOON AS SITE AREAS ARE AVAILABLE.
  - TOPSOIL SHALL BE SPREAD NO LESS THAN 4" OVER SUB-GRADE MATERIAL. SOIL AMENDMENTS SHALL BE THOROUGHLY MIXED INTO THE TOP 4" OF TOPSOIL, FOLLOWING THE SPECIFICATIONS STATED BELOW.
  - PERFORM FINE GRADING TO FINISHED ELEVATION ONLY IMMEDIATELY PRIOR TO PLANTING. PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN SURFACE, FREE OF DEPRESSIONS OR RIDGES WITH A UNIFORM LOOSE, FINE TEXTURE.

- D. FERTILIZING:
  - THE SOIL SHALL BE TESTED FOR PH AND LIME ADDED AS NECESSARY. ALL AMENDMENTS SHALL BE CHECKED AND APPROVED BY LANDSCAPE ARCHITECT BEFORE AMENDMENTS ARE MADE.
  - APPLY FERTILIZER AT RATE OF 4 LBS/1000 SF FOR LAWN AREAS.
- E. LAWN:
  - LAWN SEED MIX: SEED AT THE RATE OF 5 TO 6 LBS PER 1,000 SF.
  - TEMPORARY COVER SEED MIX: SEED AT THE RATE OF 3 TO 4 LBS PER 1,000 SF.
  - TEMPORARY COVER SEED MIX TO BE APPLIED ONLY FOR LATE FALL OR SUMMER SOIL STABILIZATION OUTSIDE ALLOWED SEEDING PERIODS.
- F. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:
  - A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN. TO BE APPLIED ONCE SEEDING IS COMPLETE.
  - WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY A HYDROSEEDER AT A RATE OF 2,000 LBS/ACRE.
- G. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.
- H. ALL NEWLY PLANTED AREAS SHALL BE KEPT MOIST BY WATERING UNTIL GRASSES AND GROUND COVERS ARE WELL ESTABLISHED. THE LANDSCAPE CONTRACTOR MUST WATER PLANT MATERIAL WHEN NECESSARY FOR 60 DAYS AFTER INSTALLATION.
- I. LAWNS ARE TO BE WARRANTED UNTIL THEY BECOME ESTABLISHED, UNTIL FINAL ACCEPTANCE, AND NOT LESS THAN 60 DAYS AFTER COMPLETION OF ALL WORK. TREES, SHRUBS, GROUND COVERS, AND PERENNIALS SHALL BE WARRANTED AGAINST DEFECTS INCLUDING POOR GROWTH AND DEATH, EXCEPT WHEN RESULTING FROM OWNER NEGLIGENCE, INCIDENTS THAT ARE BEYOND THE CONTROL OF THE LANDSCAPE INSTALLER AND DAMAGE OR ABUSE BY OTHERS, FOR AT LEAST ONE FULL YEAR AFTER PROJECT COMPLETION.

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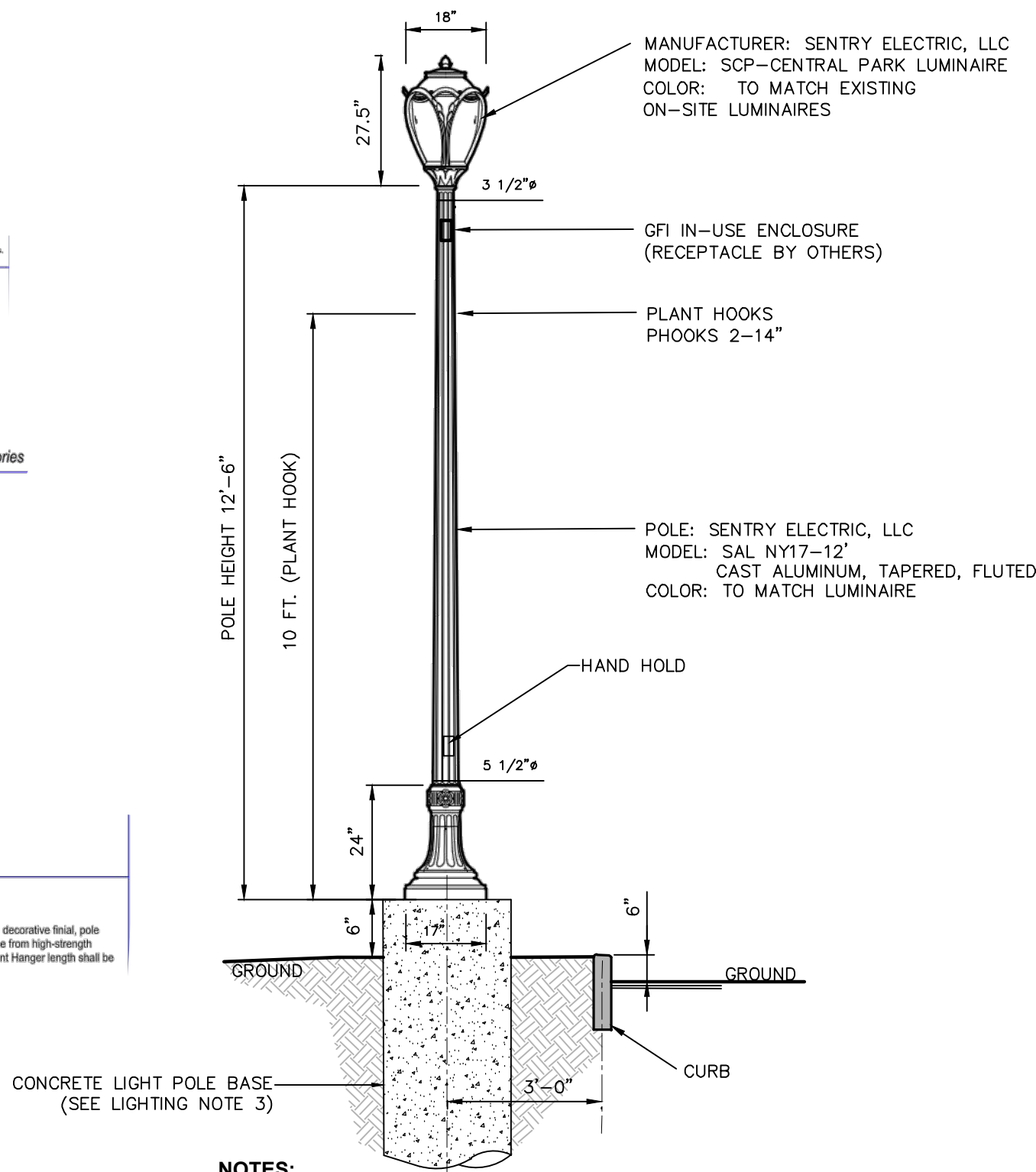
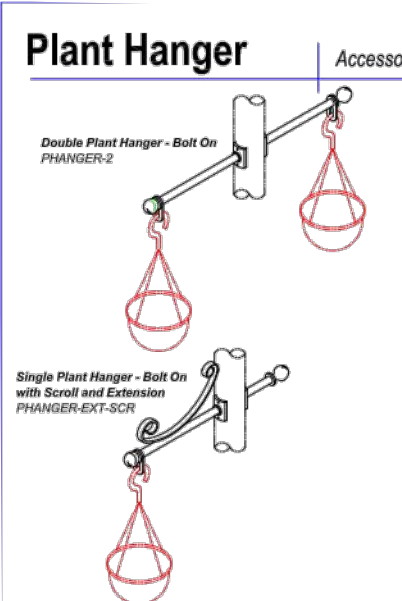
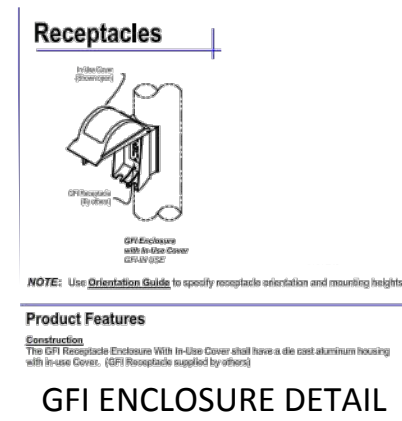
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LANDSCAPE DETAILS

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

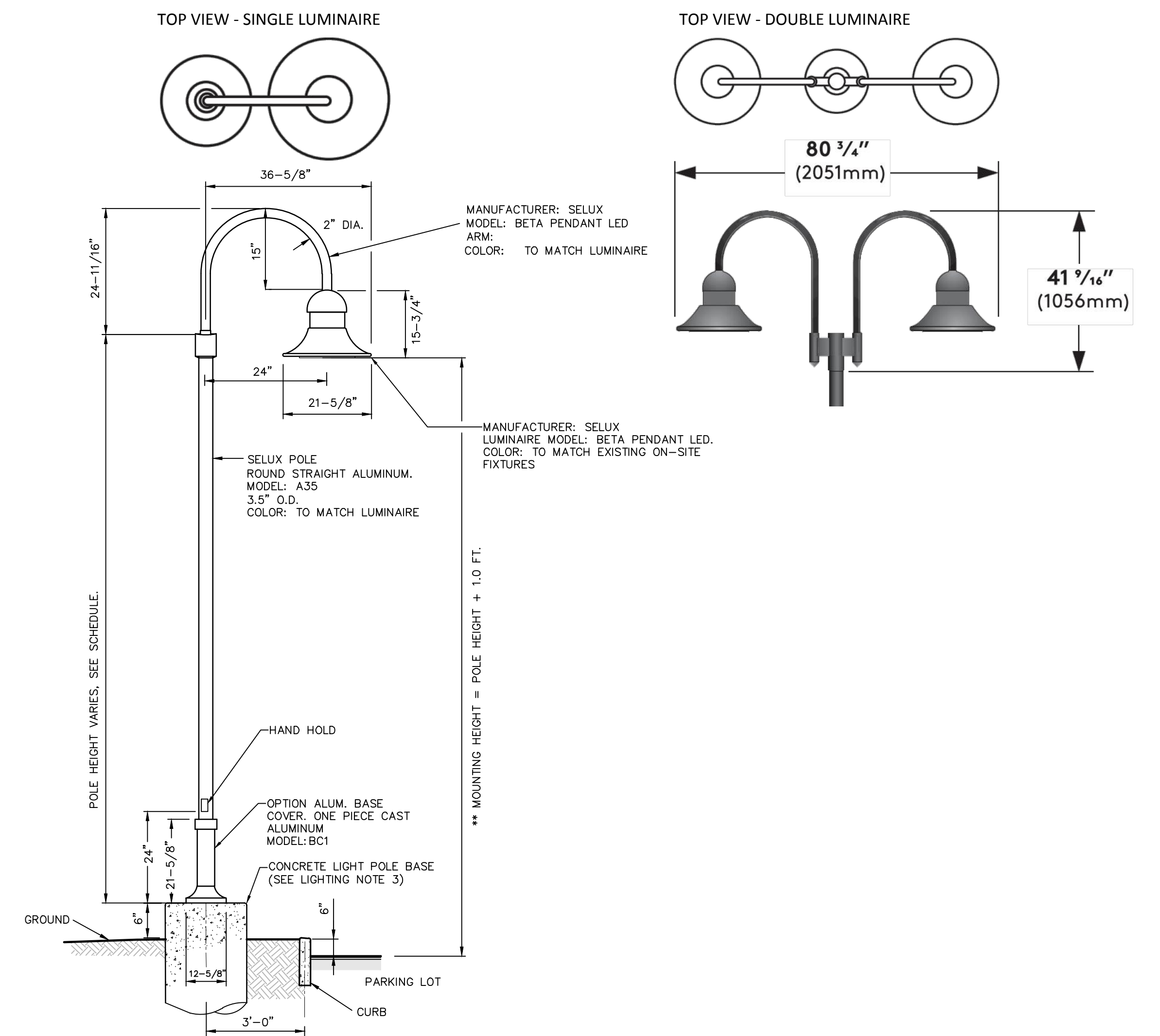
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08/19/20	
project no.	80940.09
sheet no.	C580





- NOTES:**
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
  - ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
  - ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

**1 PEDESTRIAN SCALE LIGHTING FIXTURE DETAIL**  
SCALE: N.T.S.



- NOTES:**
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
  - ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
  - ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

**2 PARKING AREA LIGHTING FIXTURE DETAIL**  
SCALE: N.T.S.

LIGHTING STATISTICS				
	AVERAGE	MAXIMUM	MINIMUM	AVE./MIN.
PAVEMENT - PHASE 1	1.1 fc	3.1 fc	0.1 fc	11 : 1
PAVEMENT - PHASE 2	1.0 fc	3.0 fc	0.1 fc	10 : 1

**LIGHTING SCHEDULE**

QUANTITY	DESIGNATION	MANUFACTURER	MODEL: CATALOG NUMBER	POLE HEIGHT	MOUNT HEIGHT **	LIGHTING TYPE	WATTS	TOTAL LUMENS	REMARKS	LIGHT TEMPERATURE
2	LP-B	SELUX CORP.	BPL-X-R2-56530-30-XX-UNV-HS	17 FT .	18 FT .	LED	49W	3475	SINGLE PENDANT MOUNT, WITH HOUSE-SIDE SHIELD	3000 K
4	LP-C	SELUX CORP.	BPL-X-R55-56530-30-XX-UNV	20 FT .	21 FT .	LED	49W	5131	SINGLE PENDANT MOUNT	3000 K
2	LP-D	SELUX CORP.	BPL-X-R4-56530-30-XX-UNV	20 FT .	21 FT .	LED	99W	5106x2	TWIN PENDANT MOUNT @ 180°	3000 K
3	LP-E	SELUX CORP.	BPL-X-R4-56530-30-XX-UNV-HS	20 FT .	21 FT .	LED	49W	3484	SINGLE PENDANT MOUNT	3000 K
6	LP-A	SENTRY ELECTRIC	SCP-NB-LEDV298-0.7A-830-KHT2	12.5 FT .	13.8 FT .	LED	38W	4263	POST TOP POLE & LUMINAIRE (ROW)	3000 K

\*\*NOTE: MOUNT HEIGHT IS MEASURED FROM PAVEMENT TO LIGHT SOURCE.

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rev.	date	description
1	8/19/20	THIS SHEET ADDED

HUDSON VALLEY HOSPITAL CENTER

**PHOTOMETRIC DETAILS**

TOWN OF CORTLANDT, WESTCHESTER COUNTY, NEW YORK

designed	checked
SK	C.L.
08/19/20	scale
project no.	80940.09
sheet no.	C590

