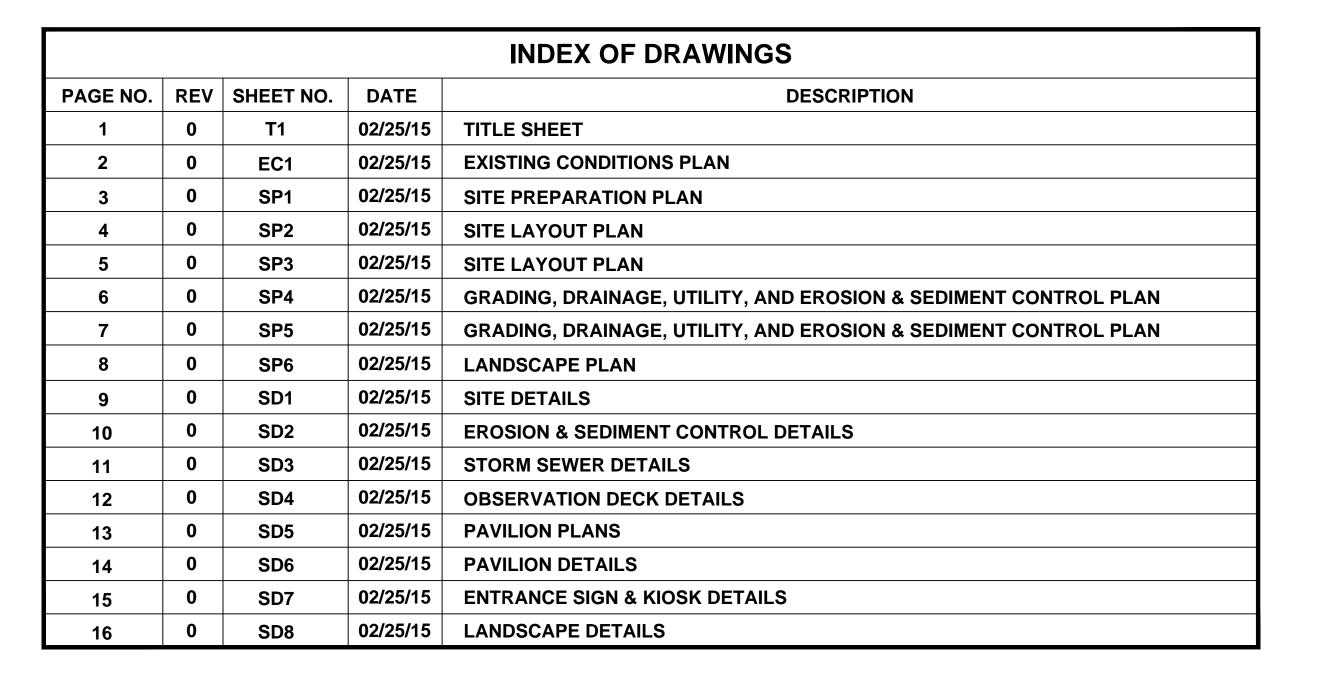
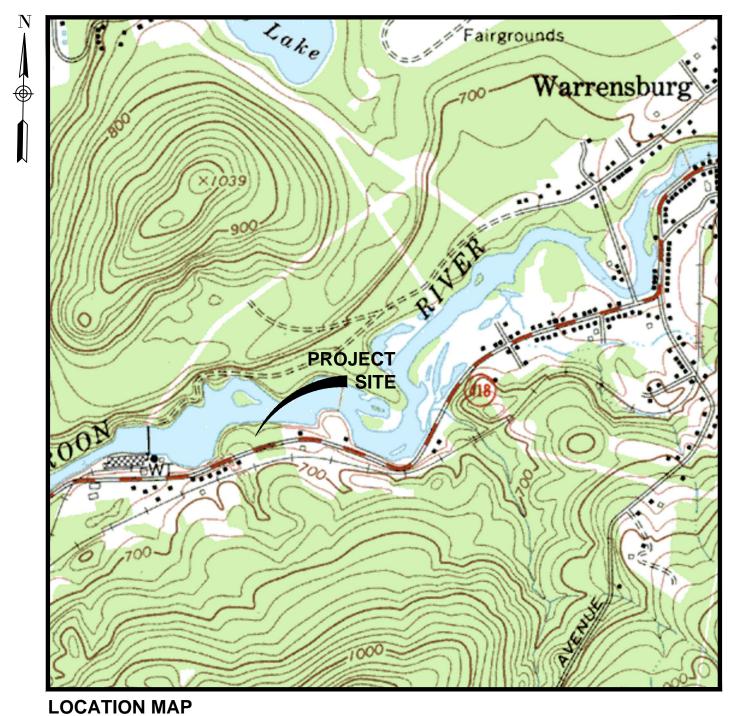
WARRENSBURG PAPERMILL PARK DRAFT FINAL DESIGN

TOWN OF WARRENSBURG WARREN COUNTY, NY

FEBRUARY 25, 2015





LOCATION MAP

DRAFT FINAL DESIGN - NOT FOR CONSTRUCTION

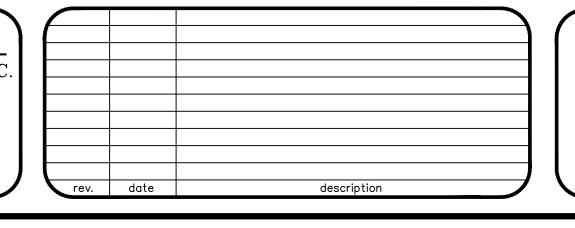


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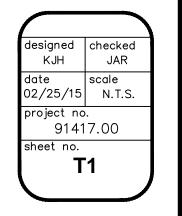
Troy, New York 12180
Phone: (518) 273-0055 Poughkeepsie, New York 12601 Phone: (845) 454-3980

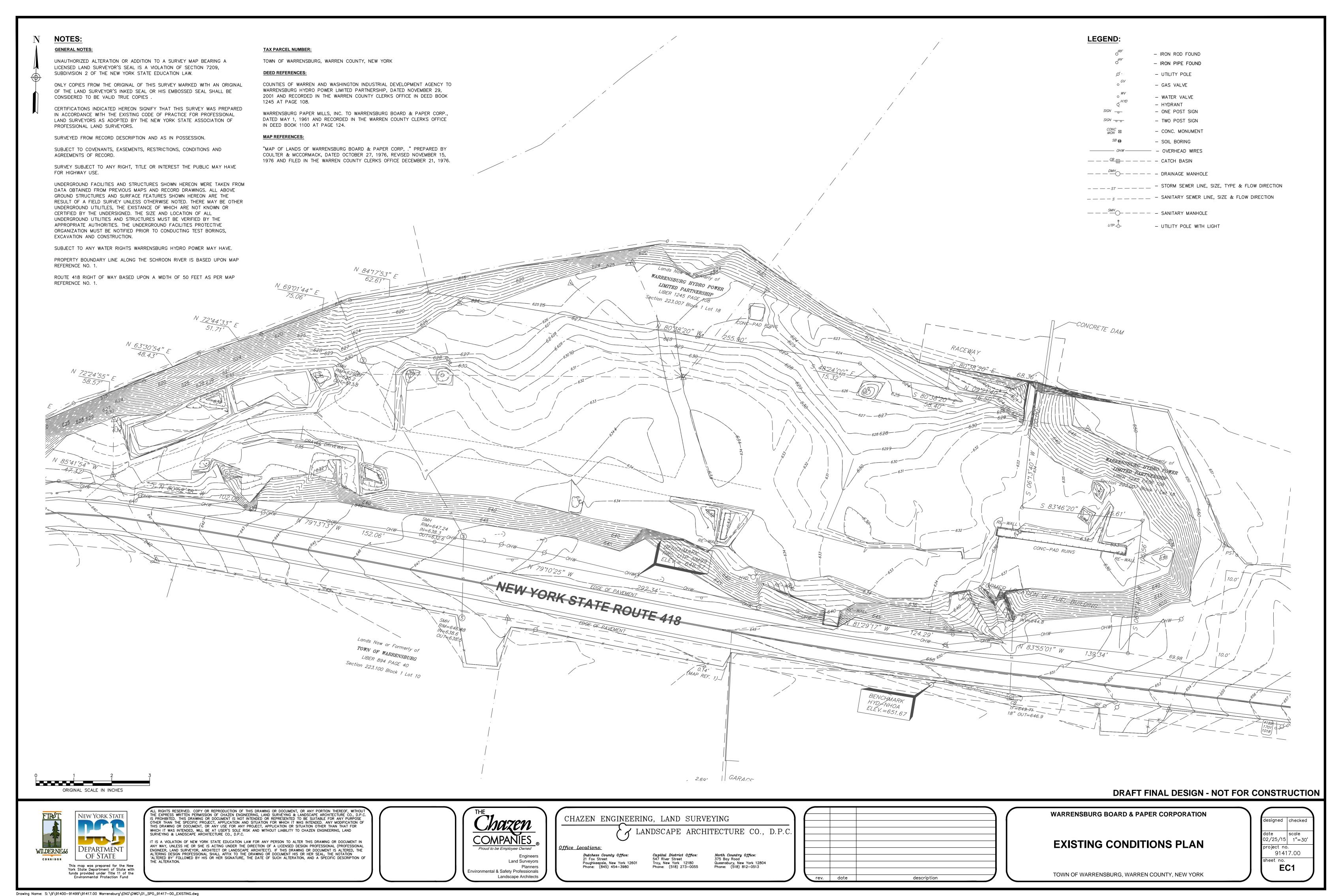


WARRENSBURG BOARD & PAPER CORPORATION

TITLE

TOWN OF WARRENSBURG, WARREN COUNTY, NEW YORK





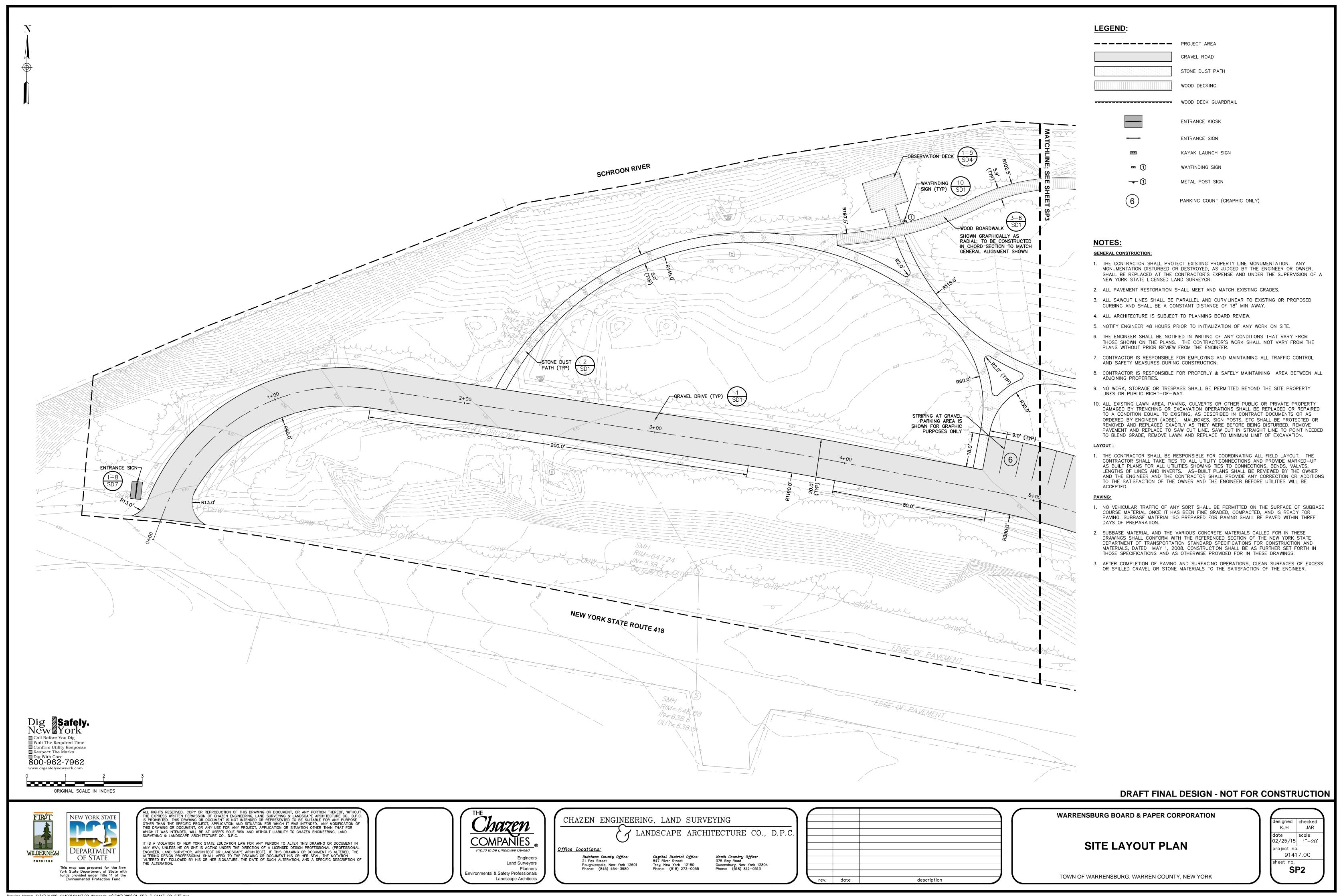
NOTES: **LEGEND:** ---- LIMIT OF WORK 1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENTS 7. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION 13. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO 18. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK. AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL MAINTAIN SITE GRADES AND CONTOURS. SPILLAGE ON ADJACENT SURFACES AND AREAS. · \.\.\.\.\.\.\.\.\.\.\.\.\. EXISTING FEATURE TO BE REMOVED BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES 2. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY 14. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND 19. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED. INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE EXISTING SITE FEATURE TO BE REMOVED HAULING, DISPOSAL AND STORAGE OF DEBRIS. DEMOLITION REQUIRED. DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT 8. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION. 3. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY 15. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS. 20. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING 9. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED. FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A 4. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM 16. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA. INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN 10. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE MATERIALS ON-SITE. AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION. 17. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING 5. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, 11. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS. COORDINATE W/ MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AUTHORITY HAVING JURISDICTION. AND TRANSPORTING POLLUTANTS. 6. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE 12. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE BRACING AND SHORING. IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION. SCHROON RIVER EXISTING CONCRETE PAD-RUINS TO REMAIN - SELECTIVE REMOVAL & PROTECTION OF EXISTING VEGETATION AS NECESSARY FOR CONSTRUCTION (TYP) SEE GRADING & PLANTING PLANS FOR LIMITS OF DISTURBANCE -EXISTING GRAVEL DRIVEWAY TO RÉMAIN EXISTING UTILITY POLE TO REMAIN-(TYP); CONTRACTOR TO PROTECT AS NECESSARY THROUGHOUT DURATION OF CONSTRUCTION -EXISTING RETAINING WALL & -EXISTING HYDRANT TO REMAIN (TYP); CONTRACTOR-TO PROTECT AS NECESSARY THROUGHOUT DURATION CONCRETE PAD RUINS TO REMAIN OF CONSTRUCTION EXISTING INLET STRUCTURE TO REMAIN; CONTRACTOR TO PROTECT AS NECESSARY THROUGHOUT Dig **Safely.** New York ☐ Call Before You Dig ☐ Wait The Required Time Confirm Utility Response Respect The Marks 800-962-7962 www.digsafelynewyork.com ORIGINAL SCALE IN INCHES DRAFT FINAL DESIGN - NOT FOR CONSTRUCTION ALL RIGHTS RESERVED. 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SITE PREPARATION PLAN IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN $\underline{\textit{Office Locations:}}$ DEPARTMENT WILDERNESS Capital District Office: 547 River Street Troy, New York 12180 Phone: (518) 273-0055 Dutchess County Office: 21 Fox Street *North Country Office:* 375 Bay Road of State CORRIDOR Land Surveyors Queensbury, New York 12804 Phone: (518) 812-0513 This map was prepared for the New York State Department of State with funds provided under Title 11 of the Environmental Protection Fund Planners nvironmental & Safety Professionals TOWN OF WARRENSBURG, WARREN COUNTY, NEW YORK

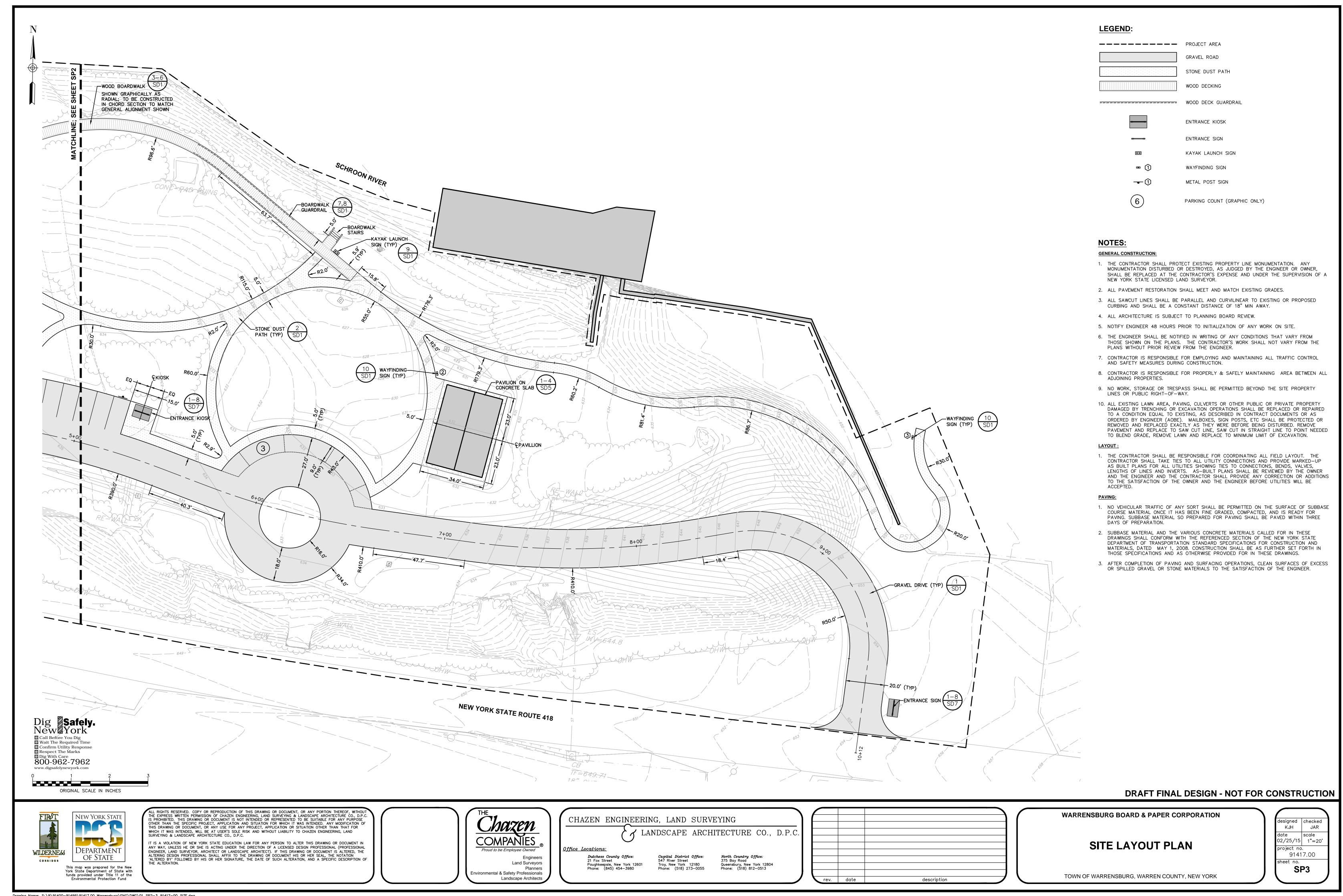
Landscape Architects

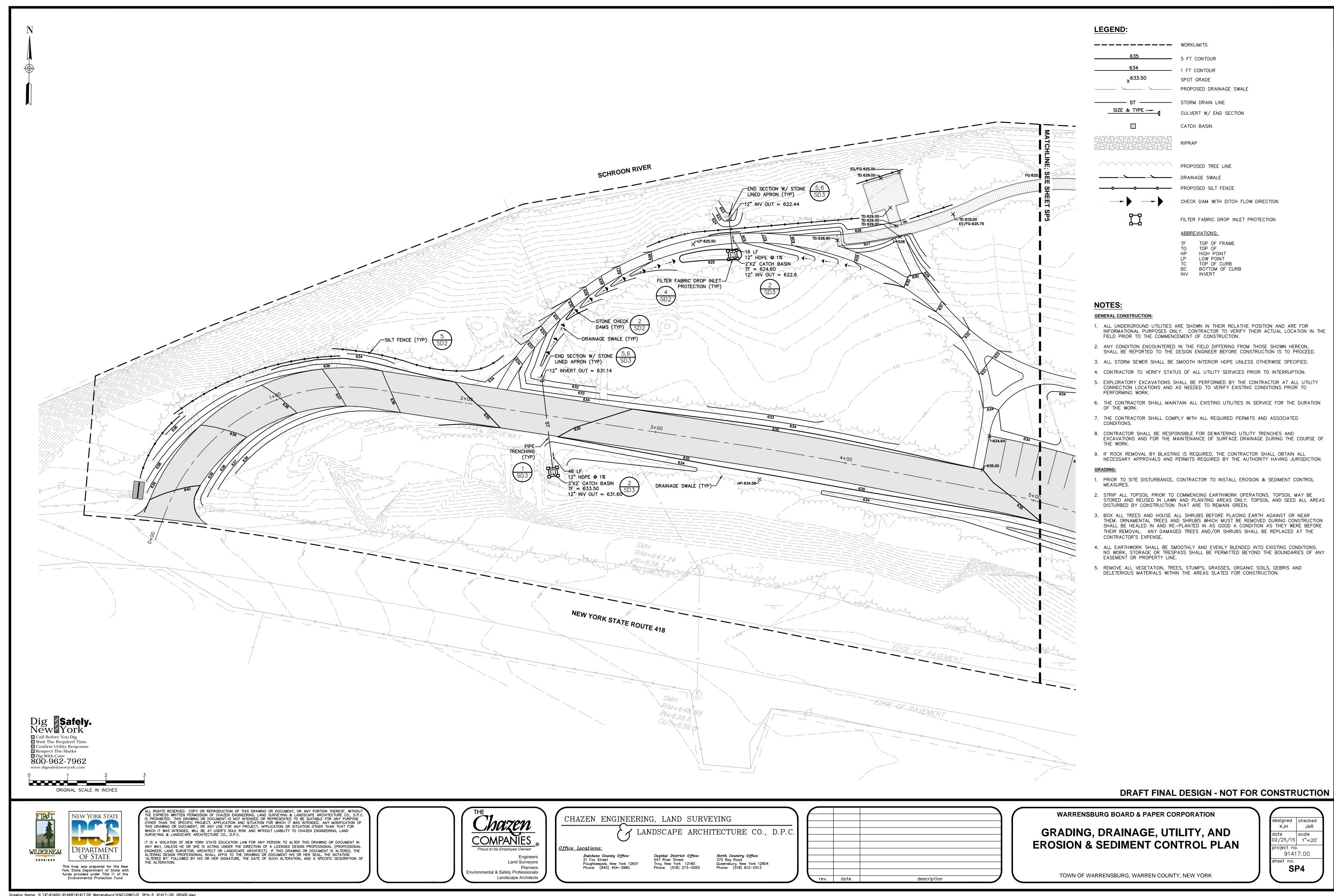
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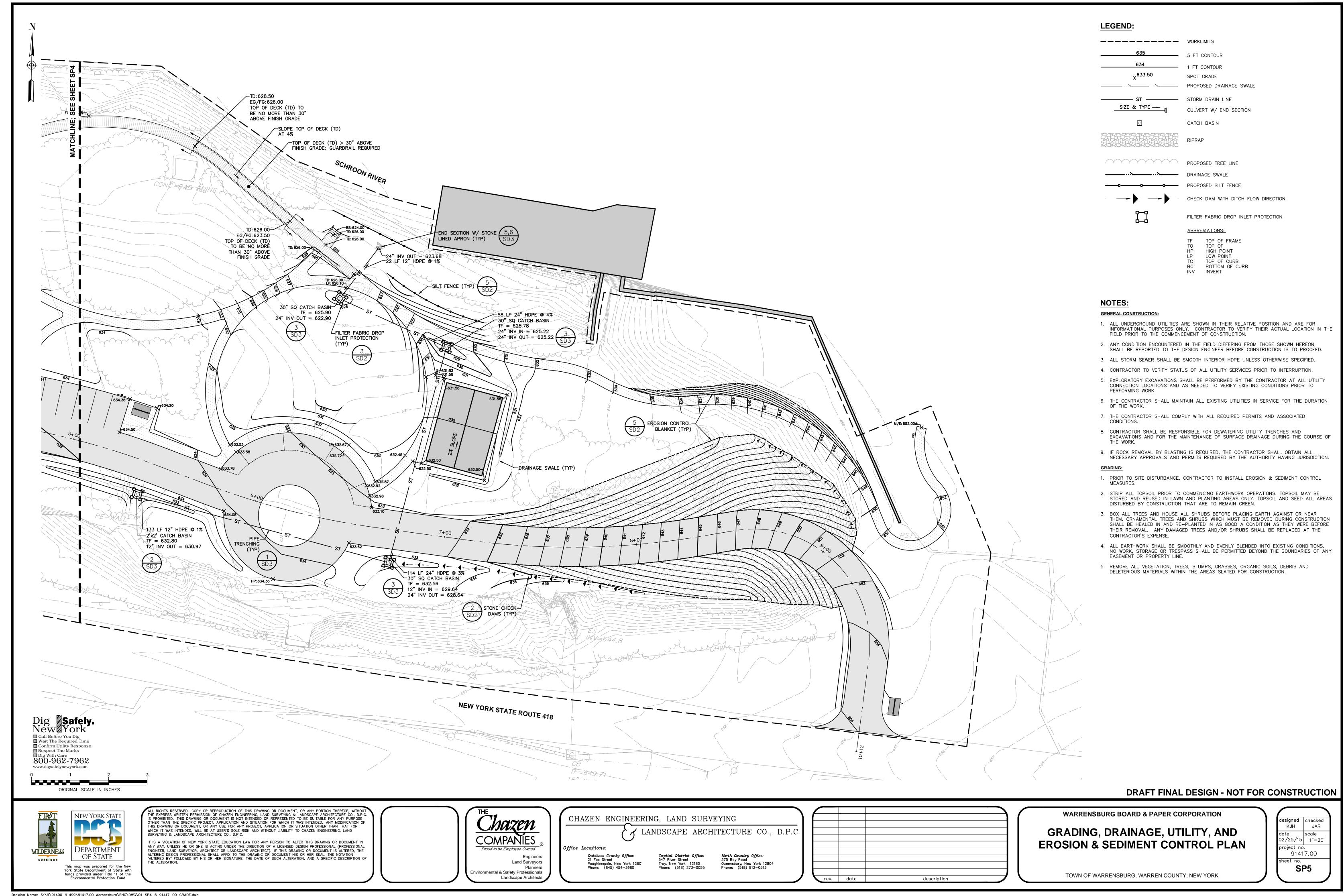
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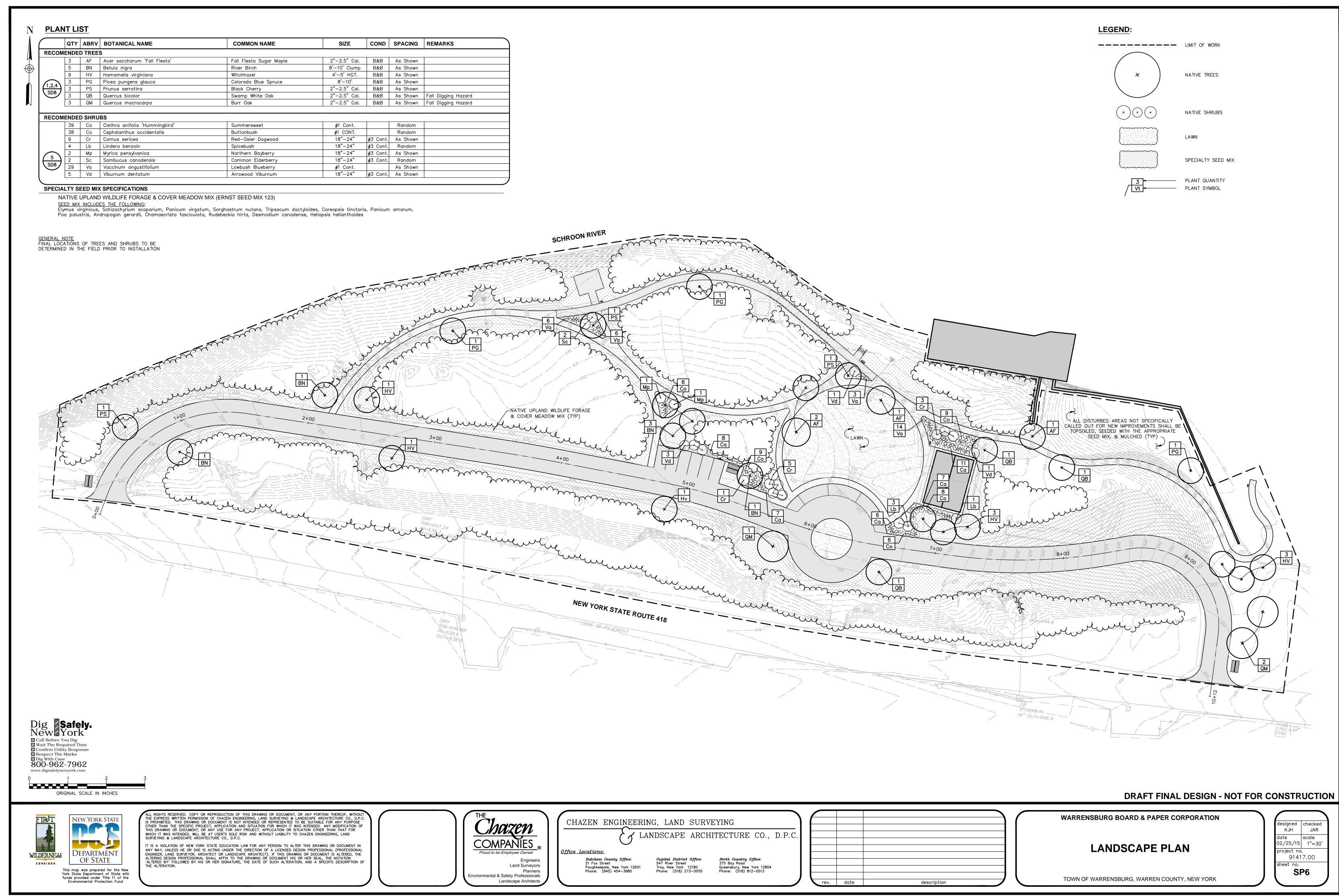
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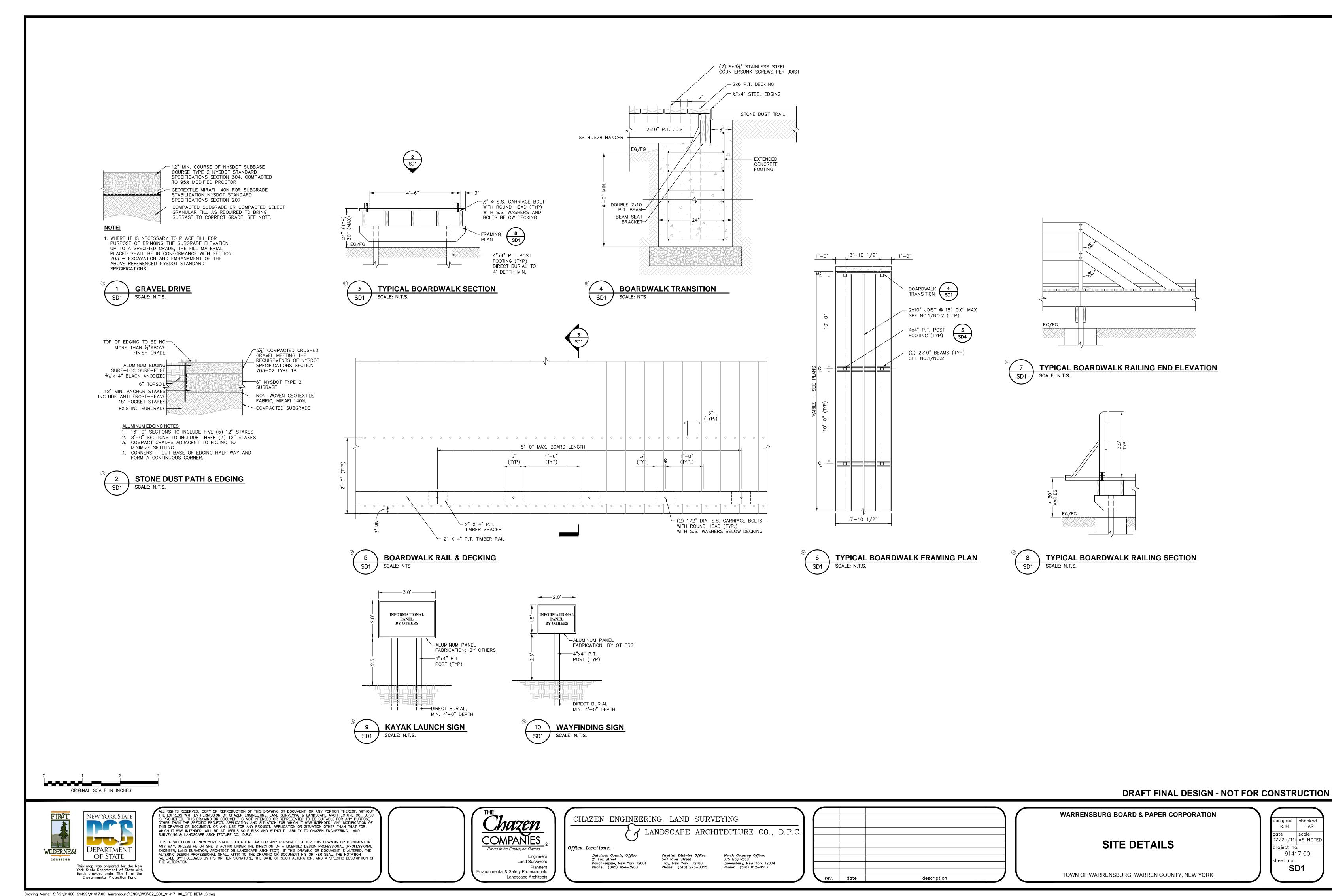




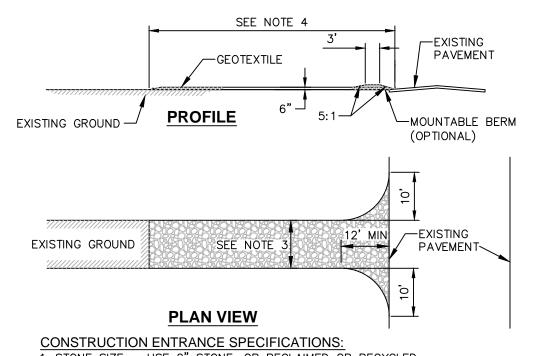








JAR



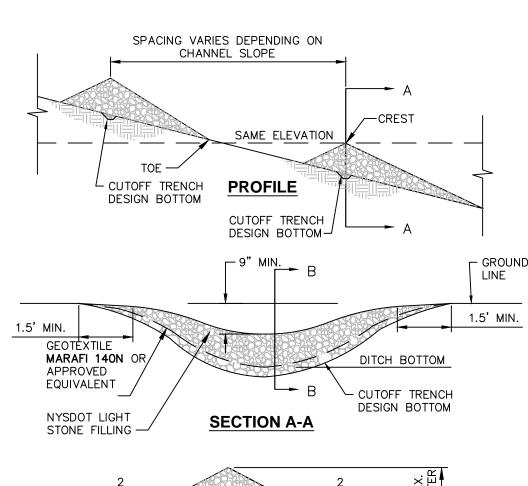
- 1. STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED
- 2. THICKNESS NOT LESS THAN SIX (6) INCHES.

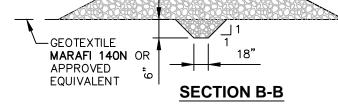
CONCRETE EQUIVALENT.

- 3. 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.
- 4. LENGTH NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- 5. GEOTEXTILE WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. 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.
- 7. 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
- 8. 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.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



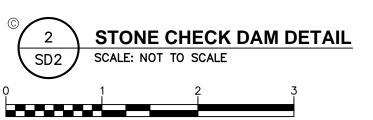
CONSTRUCTION ENTRANCE DETAIL SCALE: NOT TO SCALE

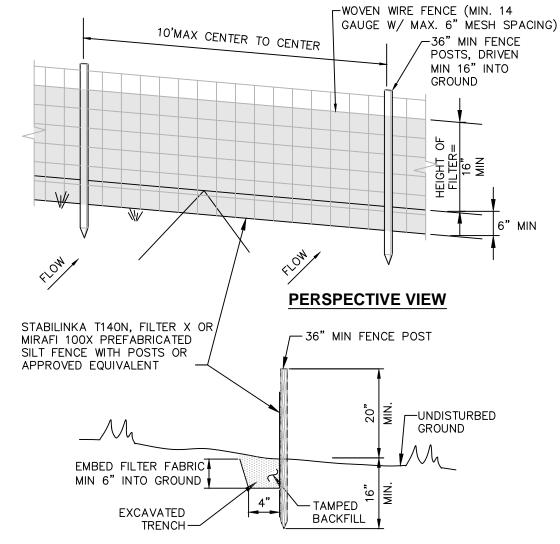




- STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
- 2. SET SPACING OF CHECK DAMS SUCH THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM ARE AT THE SAME ELEVATION OF THE TOE OF THE
- 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE
- 6. MAXIMUM DRAINAGE AREA IS 2 ACRES.

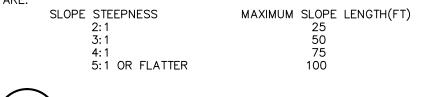
FROM DISPLACED STONE.





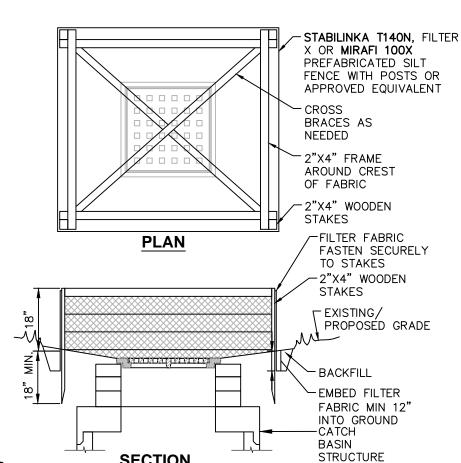
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.

- 2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6"
- 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- 5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE. 6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF
- SHEET EROSION. 7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING
- TO THE BARRIER. 8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE



SCALE: NOT TO SCALE

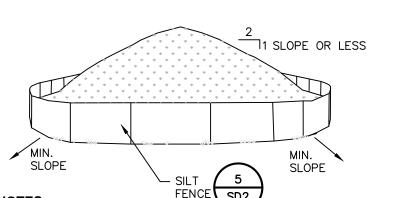
SILT FENCE INSTALLATION DETAIL



1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.

- 2. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
- 3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
- 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
- 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- 6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
- 7. MAXIMUM DRAINAGE AREA IS 1 ACRE.
- 8. INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.

TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL SD3 SCALE: NOT TO SCALE



- STAPLE 12" O.C.

CHANGE.

"OVERLAP

SFF NOTE 4

-BOTTOM OF SLOPE, SEE

TERMINATION DETAIL.

1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING,

3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.

CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS. THE USE OF

2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY

EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS. OVERLAP IN THE DIRECTION

4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION

STAPLES/STAKES LENGTHS GREATER THAN 6" MAYBE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S

SIDE SEAM OVERLAP: THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.

CONTROL BLANKET IN A 6"D x 6"W TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE

UP-SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C.

EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES

PLACED END OVER END (SHINGLE-STYLE) WITH A 3" OVERLAP. STAPLE THRU OVERLAPPED

EROSION CONTROL BLANKET INSTALLATION DETAIL

TOP OF SLOPE TRENCH: BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION

IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING.

APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE

EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE

END ROLL OVERLAP: CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE

REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE

FOR PLACEMENT REQUIREMENTS (TYP)

- EROSION CONTROL BLANKET, SEE PLANS & SPECIFICATIONS

"BOTTOM OF SLOPE TERMINATION"

SIDE SEAM OVERLAP

3' MIN. EXTENSION

STAPLE 12" O.C. ACROSS —

SEE TRENCHING & ANCHORING

PROCEDURE NOTES (TYP)

COMPACTED & FINE GRADED

OF RILLS, OBSTRUCTIONS,

SPECIFIC REQUIREMENTS.

SD2

FOREIGN OBJECTS.

TOPSOILED SLOPE, TYP. FREE

STONES OVER 1" IN SIZE, &

COMPACTING, SEEDING & FERTILIZING THE SLOPES.

OF WATER FLOW, PERPENDICULAR TO THE SLOPE.

TRENCHING & ANCHORING PROCEDURE NOTES:

SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.

AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

SCALE: NTS

TOP OF SLOPE

THE ENTIRE WIDTH.

ACROSS THE ENTIRE

WIDTH AT THE SLOPE

24" OVERLAP

6" WIDE

TOP OF SLOPE TRENCH

" OVERLAP

END ROLL OVERLAP

FENCE SD2 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.

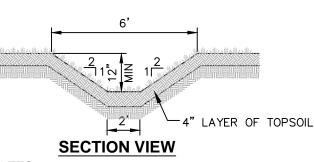
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V: 2H.

3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

21 Fox Street

4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

TEMPORARY SOIL STOCKPILE DETAIL SD2 SCALE: NOT TO SCALE



- 1. MINIMUM DEPTH OF SWALE SHALL BE 12". 2. SWALE SHALL BE AT LEAST 6 FEET WIDE AT TOP.
- 3. SWALE SHALL BE SEEDED AND MULCHED WITH FAST GERMINATING RYE 15 LBS. TO 25 LBS. PER 1,000

4. SLOPE OF SWALE SHALL BE MINIMUM 2%. **TEMPORARY GRASS** LINED DIVERSION SWALE DETAIL SD2 SCALE: NOT TO SCALE

Queensbury, New York 12804

Phone: (518) 812-0513

CONSTRUCTION SEQUENCING NOTES:

- 1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES. ETC.AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND
- 2. THE CONTRACTOR SHALL CLEAR AND GRUB THE AREA OF THE STORMWATER MANAGEMENT FACILITIES. THIS AREA SHALL NOT EXCEED FIVE (5) ACRES IN EXTENT WITHOUT TEMPORARY STABILIZATION.

FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.

- 3. THE STORMWATER DETENTION BASIN SHALL BE UTILIZED AS A TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL THE OUTLET CONTROL STRUCTURES AND THE EARTHEN BERM. THE BASIN SHALL BE GRADED TO THE TOP OF THE AQUATIC BENCH AS INDICATED IN THE TYPICAL STORMWATER MANAGEMENT BASIN SECTION PRESENTED IN THE PROJECT
- 4. PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (RIPRAP OVERFLOW WEIR(S), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.
- 5. THE CONTRACTOR SHALL INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E., VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.)TO ASSURE THAT STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT BASIN.
- 6. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
- 7. THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.
- 8. INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
- 9. CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES. AS SHOWN ON THE PLANS, INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RIP-RAP AT LOCATIONS SHOWN ON THE PLANS.
- 10. FINALIZE PAVEMENT SUB-GRADE PREPARATION.
- 11. REMOVE PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
- 12. INSTALL SUB-BASE MATERIAL AS REQUIRED FOR PAVEMENT.
- 13. PRIOR TO FINALIZING CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
- 14. UPON COMPLETION OF SITE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL FINALIZE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY. CONTRACTOR SHALL FINISH GRADE THE FORBAY(S), AQUATIC BENCHES, AND WET POOL(S) AND STABILIZE AS INDICATED IN THE PROJECT DRAWINGS.
- 15. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

EROSION AND SEDIMENT CONTROL MEASURES:

GENERAL MEASURES:

- 1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
- 2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- 3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
- 4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", AUGUST 2005.
- 2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
- 3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHAL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED
- 4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
- WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

PERMANENT AND TEMPORARY VEGETATION:

INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. AL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED

STABILIZED CONSTRUCTION ENTRANCE:

INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.

INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING. AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDEL REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN STRUCTURES A LINER OF STONE OR OTHER SUITABLE MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF ENGINEER.

EROSION CONTROL BLANKET:

INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE BLANKET SHALL BE REPLACED.

STORM DRAIN INLET PROTECTION:

INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

TOPSOIL SPECIFICATIONS:

. EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.

- 1. COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED.
- 2. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.
- 3. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

TOPSOIL MATERIALS

- 1. NEW TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA:
- A. ORIGINAL 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.
- B. 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.
- 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. D. CONTAINING THE FOLLOWING WASHED GRADATIONS:

20-60

SIEVE DESIGNATION % PASSING 97-100

NO 200 APPLICATION AND GRADING

- 1. TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW,
- 2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED,

SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

COMPACTION REQUIREMENTS

LOCATION	COMPACTION	TESTING FREQUENCY					
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 FT OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.					
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 LF OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.					
PIPE BEDDING AND PIPE ZONE BACKFILL	95% ASTM D1557	1 TEST FOR EACH 150 FT OR LESS OF TRENCH LENGTH.					
PAVEMENT SUBBASE AND LAST LIFT OF SELECT GRANULAR FILL (FILL BETWEEN SHEET PILES)	95% ASTM D1557	1 TEST FOR EVERY 2,000 SQ FT, OF LIFT AREA BUT NO FEWER THAN TWO TESTS PER LIFT					

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ORIGINAL SCALE IN INCHES

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EROSION & SEDIMENT CONTROL DETAILS

WARRENSBURG BOARD & PAPER CORPORATION

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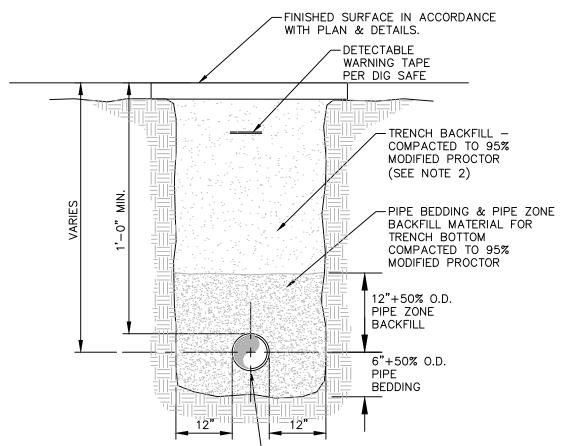
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TOWN OF WARRENSBURG, WARREN COUNTY, NEW YORK

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PIPE TYPE & SIZE VARIES. SEE PLAN

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
 0-70%

2. 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.

3. 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.

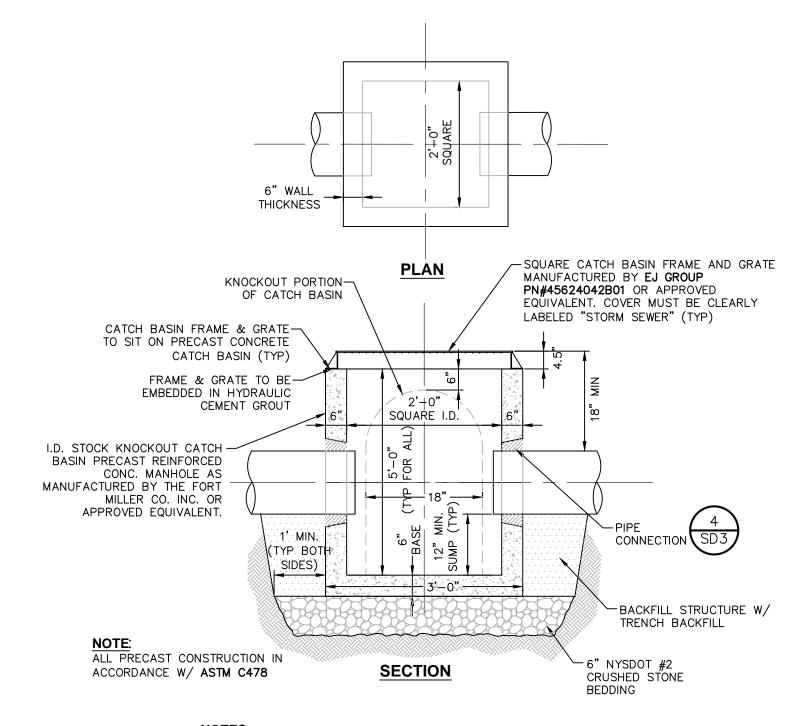
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.



PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE

STORM SEWER NOTES:

- 1. ALL STORM WATER MANAGEMENT STRUCTURES (I.E. CATCH BASIN, ETC.) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. CATCH BASINS SHALL BE CLEANED WHEN SEDIMENT DEPTH REACHES A MAXIMUM OF 1/2 THE AVAILABLE SUMP DEPTH.
- 2. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT (A.K.A. SUMP PIT) TO TRAP AND FILTER WATER FOR PUMPING TO A SUITABLE DISCHARGE AREA. THE DEWATERING PIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, LATEST EDITION.
- 3. ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE AS OUTLINED ON THE EROSION AND SEDIMENT CONTROL PLANS, DETAILS AND NOTES.



NOTES:

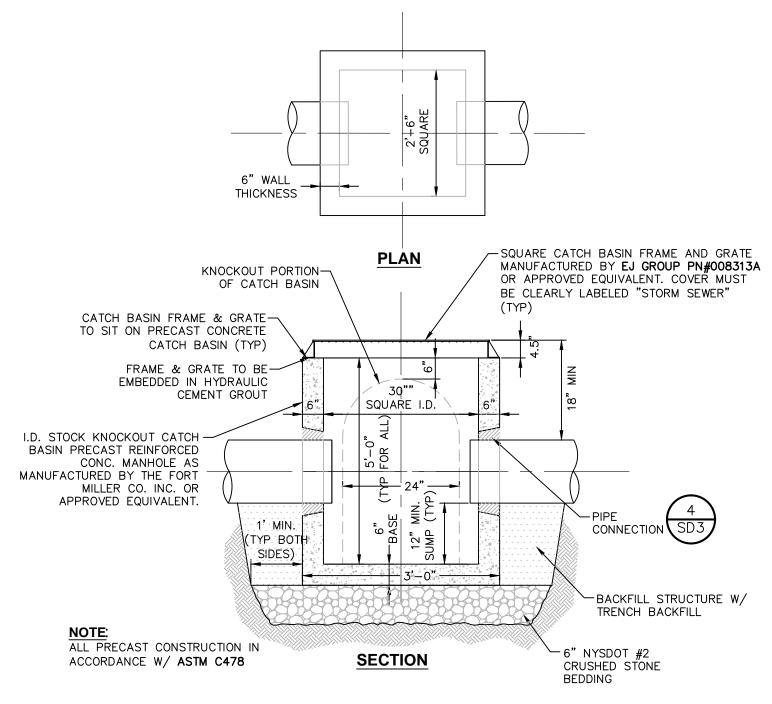
1. CATCH BASIN INLET BASINS SHALL BE PRECAST CONCRETE. DESIGNED FOR HS20-44 VEHICULAR LOADING + 25% IMPACT AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.

2. CATCH BASIN SHALL NOT HAVE A DEPTH GREATER THAN 60" FROM FINISHED SURFACE.

3. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.4. MAX STORM SEWER PIPE FOR SHALLOW CATCH BASIN IS 15"



24"x24" PRECAST CONCRETE SHALLOW CATCH BASIN DETAIL
SCALE: NOT TO SCALE



NOTES:

1. CATCH BASIN INLET BASINS SHALL BE PRECAST CONCRETE. DESIGNED FOR HS20-44 VEHICULAR LOADING + 25% IMPACT AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.

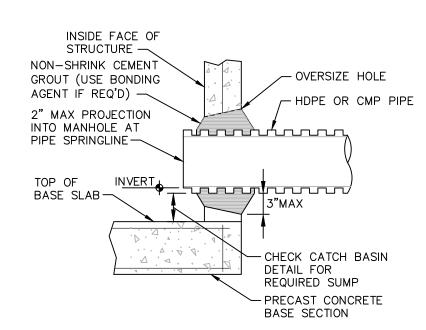
 CATCH BASIN SHALL NOT HAVE A DEPTH GREATER THAN 60" FROM FINISHED SURFACE.

3. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.

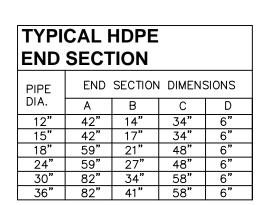
4. MAX STORM SEWER PIPE FOR SHALLOW CATCH BASIN IS 15"

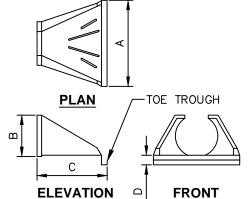
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30"x30" PRECAST CONCRETE SHALLOW CATCH BASIN DETAIL
SCALE: NOT TO SCALE



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





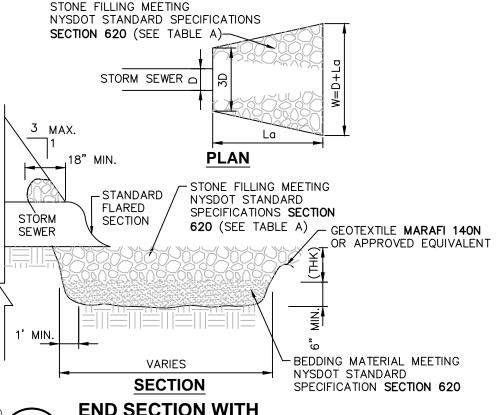
NOTES:

1. SCOPE: THIS SPECIFICATION DESCRIBES 12— THROUGH 36—INCH ADS FLARED END SECTIONS FOR USE IN CULVERT AND DRAINAGE OUTLET APPLICATIONS. FES LARGER THAN 36" SHALL USE CIRCULAR CORRUGATED METAL FLARED END SECTIONS.

- 2. <u>REQUIREMENTS</u>: THE INVERT OF THE PIPE AND THE END SECTION SHALL BE AT THE SAME ELEVATION. THE ADS FLARED END SECTION SHALL BE HIGH DENSITY POLYETHYLENE MEETING **ASTM D3350** MINIMUM CELL **CLASSIFICATION 213320C**; CONTACT MANUFACTURER FOR ADDITIONAL CELL CLASSIFICATION INFORMATION. WHEN PROVIDED, THE METAL THREADED FASTENING ROD SHALL BE STAINLESS STEEL.
- 3. <u>INSTALLATION</u>: INSTALLATION SHALL BE IN ACCORDANCE WITH ADS INSTALLATION INSTRUCTIONS AND WITH THOSE ISSUED BY STATE OR LOCAL AUTHORITIES. CONTACT YOUR LOCAL ADS REPRESENTATIVE OR VISIT WWW.ADS—PIPE.COM FOR THE LATEST INSTALLATION INSTRUCTIONS.
- 4. PROVIDE TRASH RACK ONLY WHERE SPECIFIED ON SITE PLANS.



STONE APRON SIZING REQUIREMENT - TABLE "A"									
JLVERT IA. (D)	CULVERT SLOPE, %	NYSDOT STANDARD STONE FILLING APRON MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET			
12"	< 8	LIGHT	6"	9"	18	10			
	8–10	MEDIUM	9"-12"	14"–18"	24	10			
18"	< 4	LIGHT	6"	9"	18	10			
	4-6	MEDIUM	9"–12"	14"–18"	24	12			
	6-8	HEAVY	15"–18"	22"–27"	36	12			
	8-10	HEAVY	15"–18"	22"–27"	36	18			
24"	< 3	LIGHT	6"	9"	18	12			
	3-4	MEDIUM	9"–12"	14"–18"	24	16			
	4-8	HEAVY	15"–18"	22"–27"	36	24			
30"	< 1	LIGHT	6"	9"	18	15			
	1-2	MEDIUM	9"–12"	14"–18"	24	20			
	2-4	HEAVY	15"–18"	22"–27"	36	25			
	4-6	HEAVY	15"–18"	22"–27"	36	30			
36"	< 2	MEDIUM	9"-12"	14"-18"	24	24			
	2-3	HEAVY	15"-18"	22"-27"	36	30			
	3-5	HEAVY	15"-18"	22"-27"	36	36			
42"	< 1	MEDIUM	9"-12"	14"-18"	24	28			
	1-2	HEAVY	15"-18"	22"-27"	36	35			
	2-3	HEAVY	15"-18"	22"-27"	36	42			
48"	< 1	MEDIUM	9"-12"	14"-18"	24	32			
	1-2	HEAVY	15"-18"	22"-27"	36	40			
	2-3	HEAVY	15"-18"	22"-27"	36	48			



6 SD3 SCALE: NOT TO SCALE

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ORIGINAL SCALE IN INCHES

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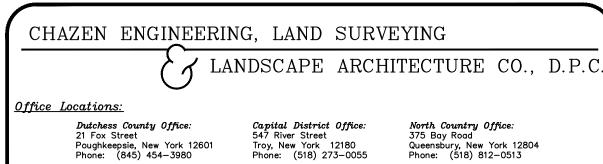
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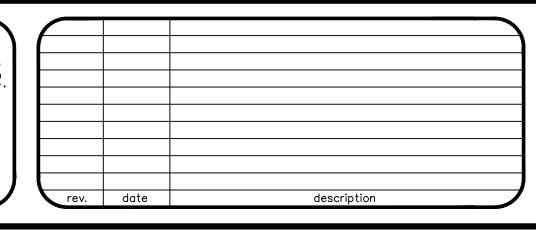
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STORMSEWER DETAILS

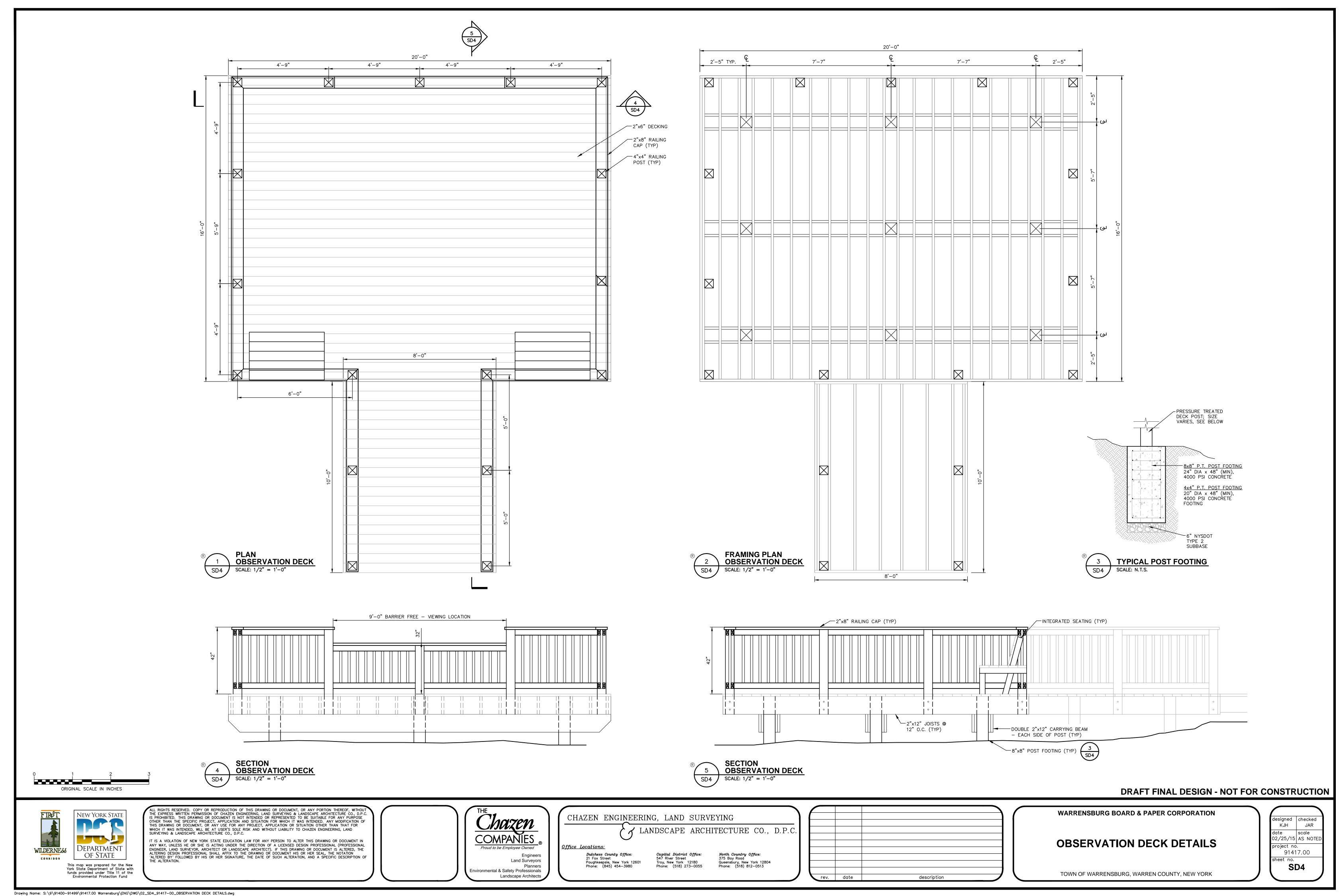
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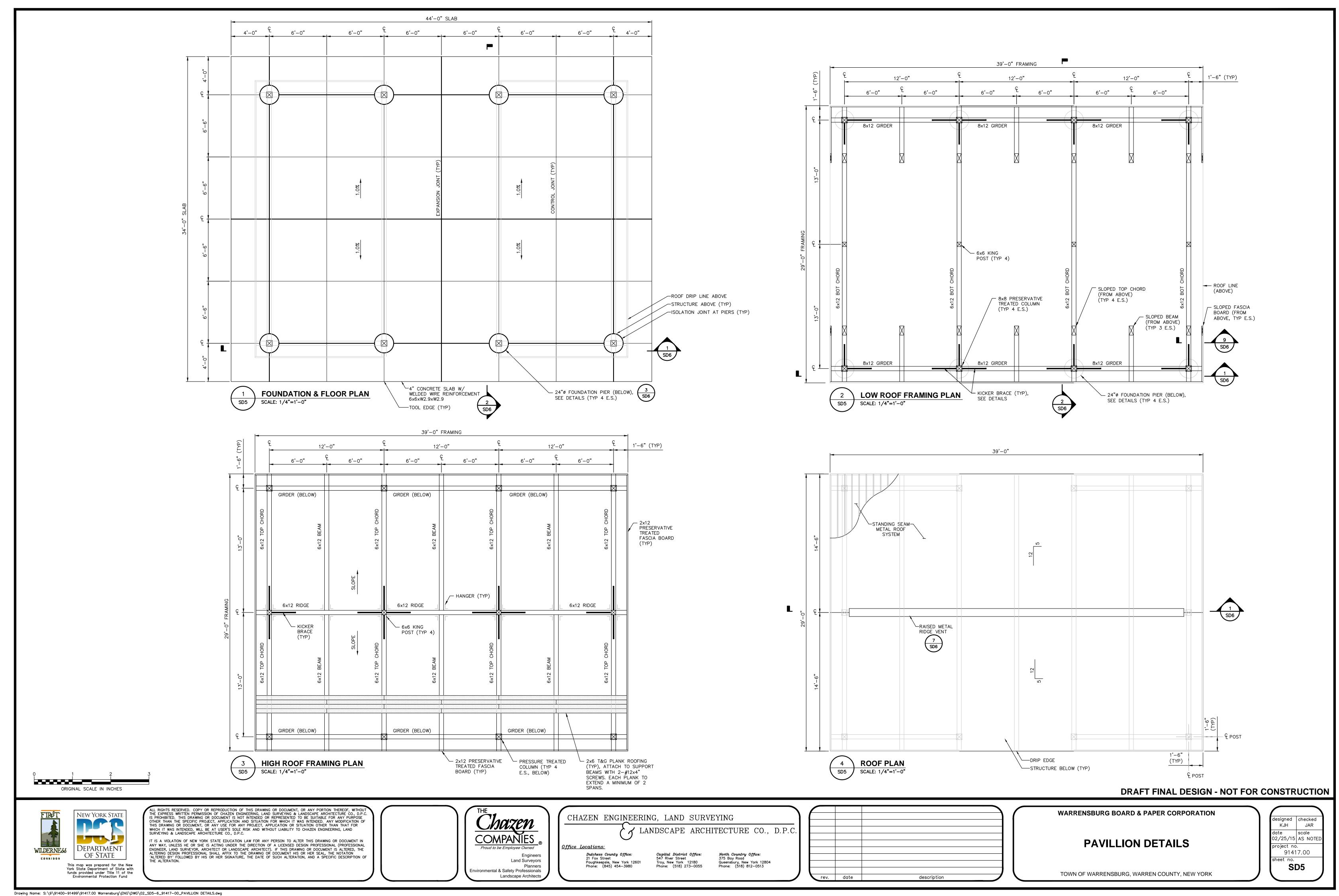
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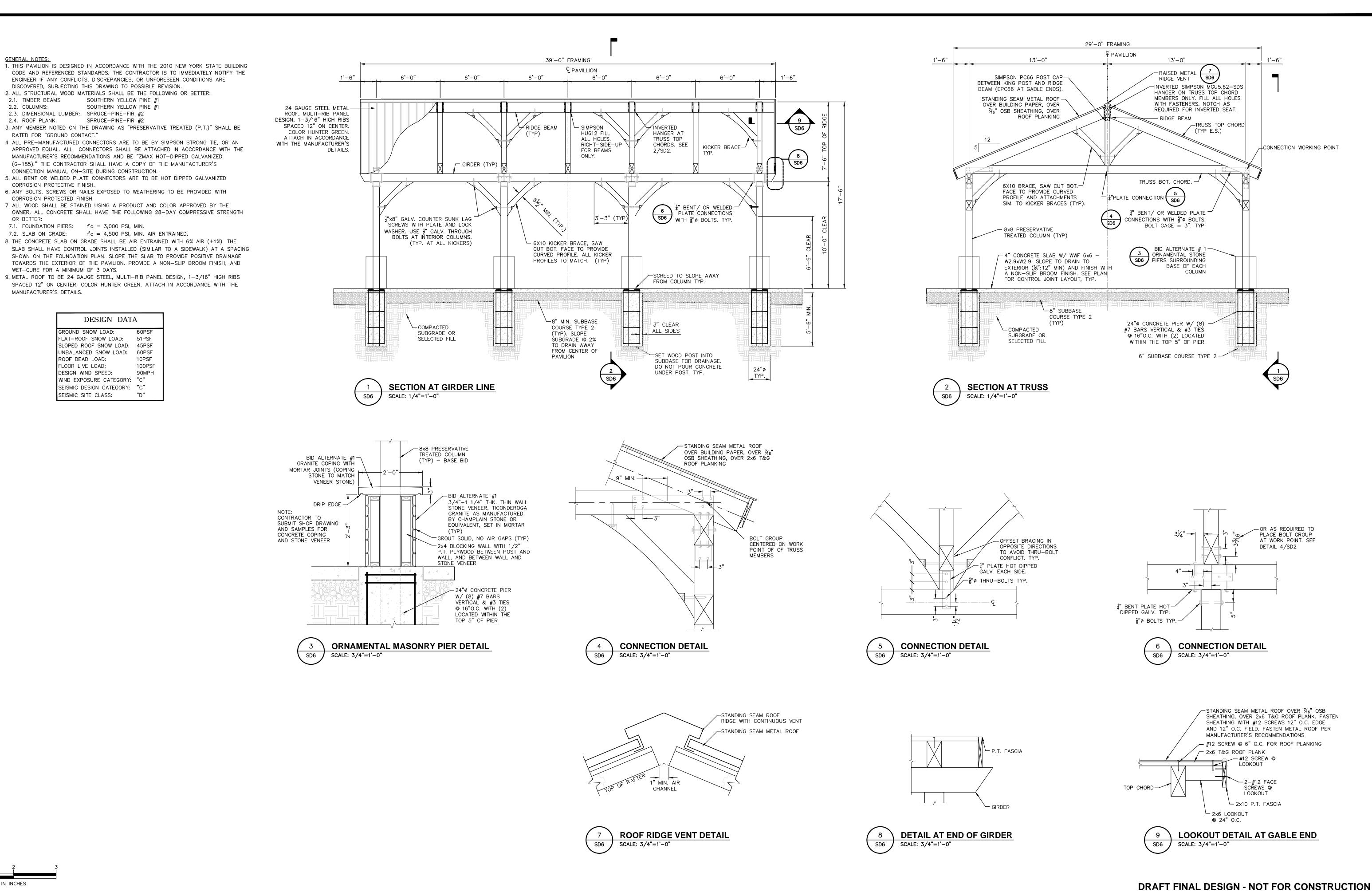
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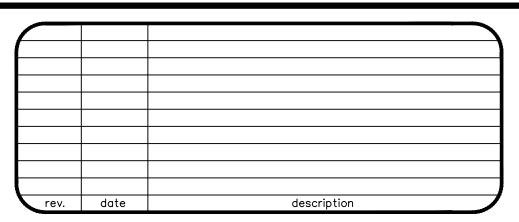
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Troy, New York 12180 *North Country Office:* 375 Bay Road Dutchess County Office: 21 Fox Street Poughkeepsie, New York 12601 Phone: (845) 454-3980 Queensbury, New York 12804 Phone: (518) 812-0513 Phone: (518) 273-0055



WARRENSBURG BOARD & PAPER CORPORATION

PAVILLION DETAILS

TOWN OF WARRENSBURG, WARREN COUNTY, NEW YORK

designed checked KJH JAR date scale 02/25/15 AS NOTE 91417.00

CONNECTION WORKING POINT

PLACE BOLT GROUP

~_2-#12 FACE

SCREWS @ LOOKOUT └ 2x10 P.T. FASCIA

AT WORK POINT. SEE

This map was prepared for the New York State Department of State with funds provided under Title 11 of the Environmental Protection Fund

GENERAL NOTES:

2.1. TIMBER BEAMS

2.4. ROOF PLANK:

RATED FOR "GROUND CONTACT."

CORROSION PROTECTIVE FINISH.

CORROSION PROTECTED FINISH.

2.2. COLUMNS:

OR BETTER:

DISCOVERED, SUBJECTING THIS DRAWING TO POSSIBLE REVISION.

2.3. DIMENSIONAL LUMBER: SPRUCE-PINE-FIR #2

CONNECTION MANUAL ON-SITE DURING CONSTRUCTION.

7.1. FOUNDATION PIERS: f'c = 3,000 PSI, MIN.

WET-CURE FOR A MINIMUM OF 3 DAYS.

MANUFACTURER'S DETAILS.

7.2. SLAB ON GRADE: f'c = 4,500 PSI, MIN. AIR ENTRAINED.

DESIGN DATA

SLOPED ROOF SNOW LOAD: 45PSF

UNBALANCED SNOW LOAD: 60PSF

WIND EXPOSURE CATEGORY: "C"

SEISMIC DESIGN CATEGORY: "C"

10PSF

100PSF

90MPH

GROUND SNOW LOAD:

ROOF DEAD LOAD:

FLOOR LIVE LOAD:

DESIGN WIND SPEED:

SEISMIC SITE CLASS:

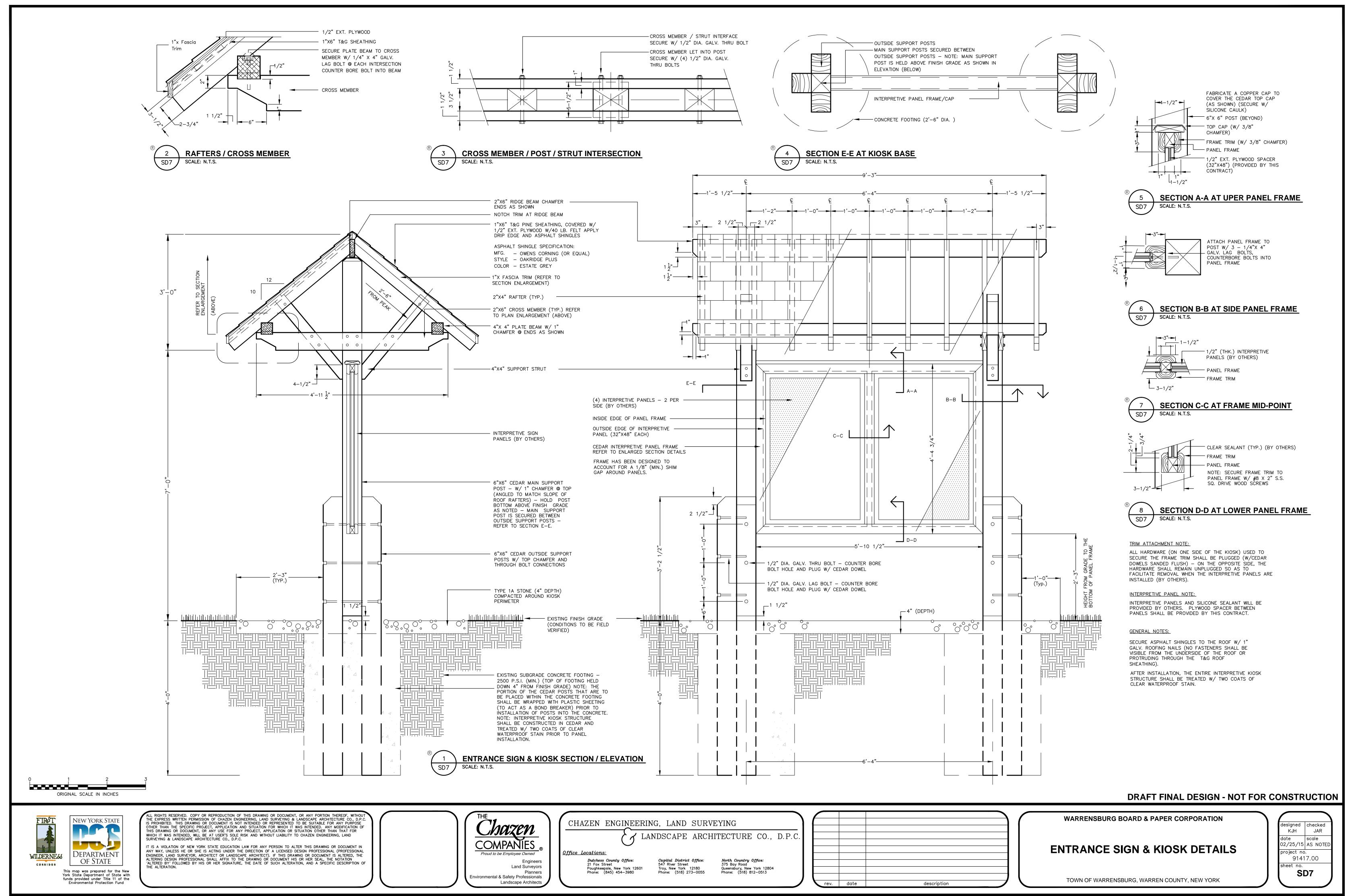
FLAT-ROOF SNOW LOAD:

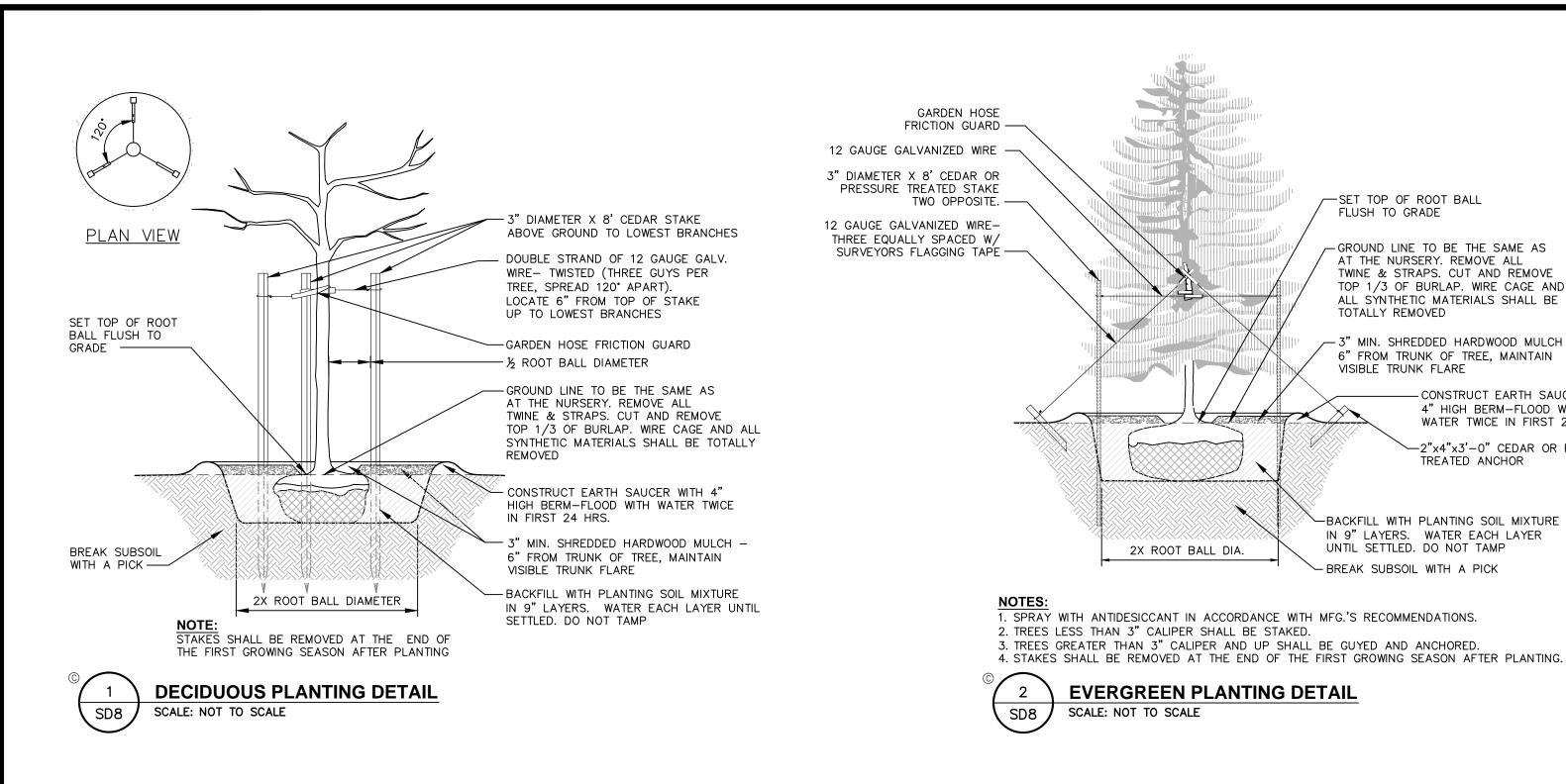
2. ALL STRUCTURAL WOOD MATERIALS SHALL BE THE FOLLOWING OR BETTER:

SOUTHERN YELLOW PINE #1

SPRUCE-PINE-FIR #2

SOUTHERN YELLOW PINE #1





-GARDEN HOSE FRICTION GUARD

-GUY WIRES (3), WHITE FLAG ON EACH TO INCREASE VISIBILITY

AVOID TIGHT GUY WIRES AS

LINE OF ORIGINAL GRADE

OF SLOPE AND SOIL TYPE.

SETTLED. DO NOT TAMP

-WOOD STAKES (3)

THEY PREVENT NATURAL SWAY

-CORNER OF ROOT SYSTEM TO BE AT

-FIRMLY FORMED SAUCER (USE TOPSOIL)

-3" MIN. SHREDDED HARDWOOD MULCH -

-BACKFILL WITH PLANTING SOIL MIXTURE

IN 9" LAYERS. WATER EACH LAYER UNTIL

-REMOVE ALL TWINE & STRAPS. CUT AND

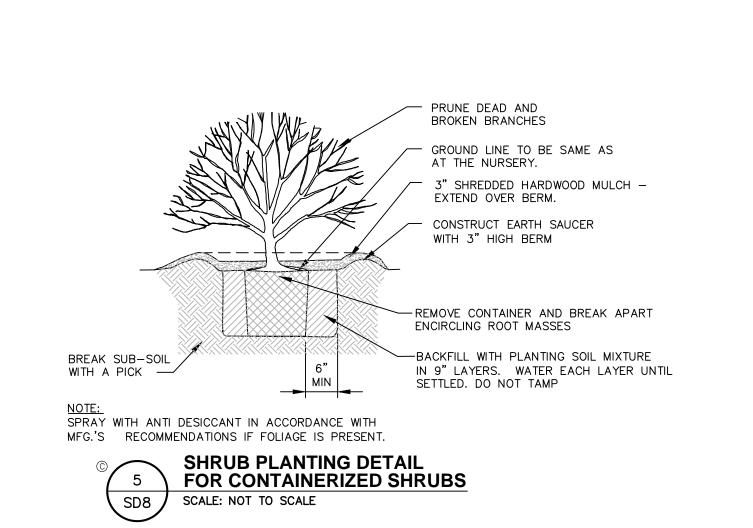
REMOVE TOP 1/3 OF BURLAP. WIRE CAGE

AND ALL SYNTHETIC MATERIALS SHALL BE

6" FROM TRUNK OF TREE, MAINTAIN VISIBLE

ANGLE OF REPOSE VARIES WITH STEEPNESS

-TURNBUCKLE (3), GALVANIZED OR DIP-PAINTED



-SET TOP OF ROOT BALL

-GROUND LINE TO BE THE SAME AS

TWINE & STRAPS. CUT AND REMOVE

TOP 1/3 OF BURLAP. WIRE CAGE AND

ALL SYNTHETIC MATERIALS SHALL BE

-3" MIN. SHREDDED HARDWOOD MULCH -

TREATED ANCHOR

- CONSTRUCT EARTH SAUCER WITH

WATER TWICE IN FIRST 24 HRS.

─2"x4"x3'-0" CEDAR OR PRESSURE

4" HIGH BERM-FLOOD WITH

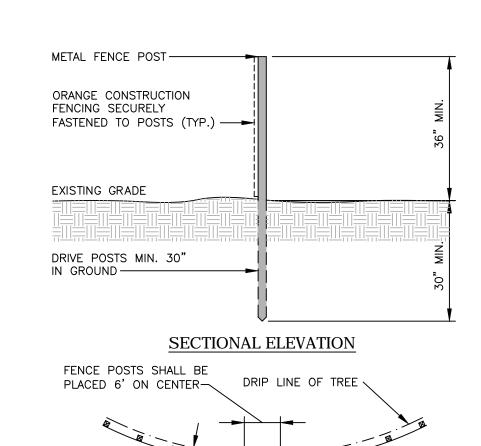
6" FROM TRUNK OF TREE, MAINTAIN

AT THE NURSERY. REMOVE ALL

FLUSH TO GRADE

TOTALLY REMOVED

VISIBLE TRUNK FLARE



FENCE LINE SHALL BE AT OR ONE FOOT BEYOND DRIP LINE -SEE LANDSCAPING PLAN FOR ADDITIONAL TREE PROTECTION NOTES.

TREE PROTECTION FENCING DETAIL SD8 SCALE: NOT TO SCALE

LANDSCAPE NOTES:

- THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.
- 2. THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND INSPECT RELATED WORK AND ADJACENT SURFACES. TH 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.
- 3. 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.
- 4. 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.
- 5. NO TREES OR SHRUBS SHALL BE PLANTED ON EXISTING OR PROPOSED UTILITY LINES.
- 6. QUALITY ASSURANCE:
- A. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.
- B. 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 NURSERYMEN, INC. (AAN), UNLESS OTHERWISE SPECIFIED.
- C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMACTIC 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 TRANSPLANTED 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.
- D. 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.
- 7. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
- A. UNLESS OTHERWISE DIRECTED IN WRITING, SEED LAWNS FROM MARCH 15 TO JUNE 15, AND FROM AUGUST 15 TO OCTOBER 15.
- B. UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.
- C. 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.

8. PRODUCTS:

- A. 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.
- ii. 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.
- iii. 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.
- iv. CONTAINING THE FOLLOWING WASHED GRADATIONS:

SIEVE DESIGNATION % PASSING 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. <u>LAWN SEED MIX</u>

SUN AND PARTIAL SHADE:

MINIMUM % SPECIES OR VARIETY
KENTUCKY BLUE GRASS* PURITY GERMINATION 95% 80% PERENNIAL RYE 98% CREEPING RED FESCUE 97%

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

<u>SHADE:</u> AMOUNT BY: MINIMUM % PURITY GERMINATION 95% 80% <u>WEIGHT</u> KENTUCKY BLUE GRASS** PERENNIAL RYE 98% CREEPING RED FESCUE 97% CHEWINGS RED FESCUE 97% 85% **SHADE TOLERANT VARIETY

II <u>TEMPORARY COVER SEED MIX</u>

AMOUNT BY: MINIMUM % SPECIES OR VARIETY PURITY GERMINATION 98% 90% ANNUAL RYEGRASS

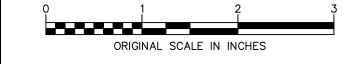
- C. LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 90% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH SIEVE.
- I. FOR STARTER FERTILIZING: COMMERCIAL STARTER FERTILIZER, GRANULAR. NONBURNING PRODUCT CONTAINING 5% NITROGEN, 10% AVAILABLE PHOSPHOROUS, AND 5% WATER SOLUABLE POTASH
- ii. 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 (8.D.I) 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
- ii. PEAT: BROWN TO BLACK IN COLOR, WEED AND SEED FREE. DRIED SPHAGNUM PEAT, CONTAINING NOT MORE THAN 9% MINERAL ON A DRY BASIS AND CONFORMING TO NYSDOT 713-15.
- iii. 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
- WEED CONTROL FABRIC: SOIL CHECK AS MANUFACTURED BY BRIGHTON BYPRODUCTS CO. INC, NEW BRIGHTON, PA; MIRASCAPE OR MIRAFI GEOSYNTHETIC PRODUCTS, NORCROSS, PA, OR APPROVED EQUIVALENT.

- LAWN AREAS
 OAT OR WHEAT STRAW, FREE OF WEEDS. AN ALTERNATIVE IS WOOD FIBER CELLULOSE IF HYDROSEEDING IS USED.
- GROUND OR SHREDDED HARDWOOD BARK, UNCOLORED. NO PIECES OVER 2 INCHES GREATEST DIMENSION. FREE FROM SAWDUST.
- A. 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.

- 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.
- II. APPLY FERTILIZER AT RATE OF 4 LBS/1000 SF FOR LAWN AREAS.
- i. LAWN SEED MIX: SEED AT THE RATE OF 5 TO 6 LBS PER 1,000 SF.
- ii. TEMPORARY COVER SEED MIX: SEED AT THE RATE OF 3 TO 4 LBS PER 1,000 SF.
- iii. TEMPORARY COVER SEED MIX TO BE APPLIED ONLY FOR LATE FALL OR SUMMER SOIL STABILIZATION OUTSIDE ALLOWED SEEDING
- ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:
- i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN, TO BE APPLIED ONCE SEEDING IS COMPLETE.
- ii. 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 NEGLECT, 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.

DRAFT FINAL DESIGN - NOT FOR CONSTRUCTION



2X ROOT BALL DIAMETER

SCALE: NOT TO SCALE

SD8

DETAIL SHALL BE UTILIZED FOR DECIDUOUS AND

TREE PLANTING ON SLOPE

CONIFEROUS TREE PLANTING ON SLOPE.



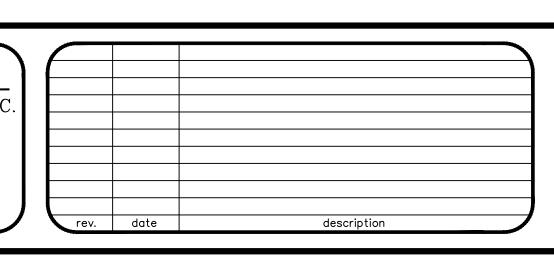
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WARRENSBURG BOARD & PAPER CORPORATION

LANDSCAPE DETAILS

oject no. 91417.00

esigned |checked

date scale

02/25/15|AS NOTE

TOWN OF WARRENSBURG, WARREN COUNTY, NEW YORK