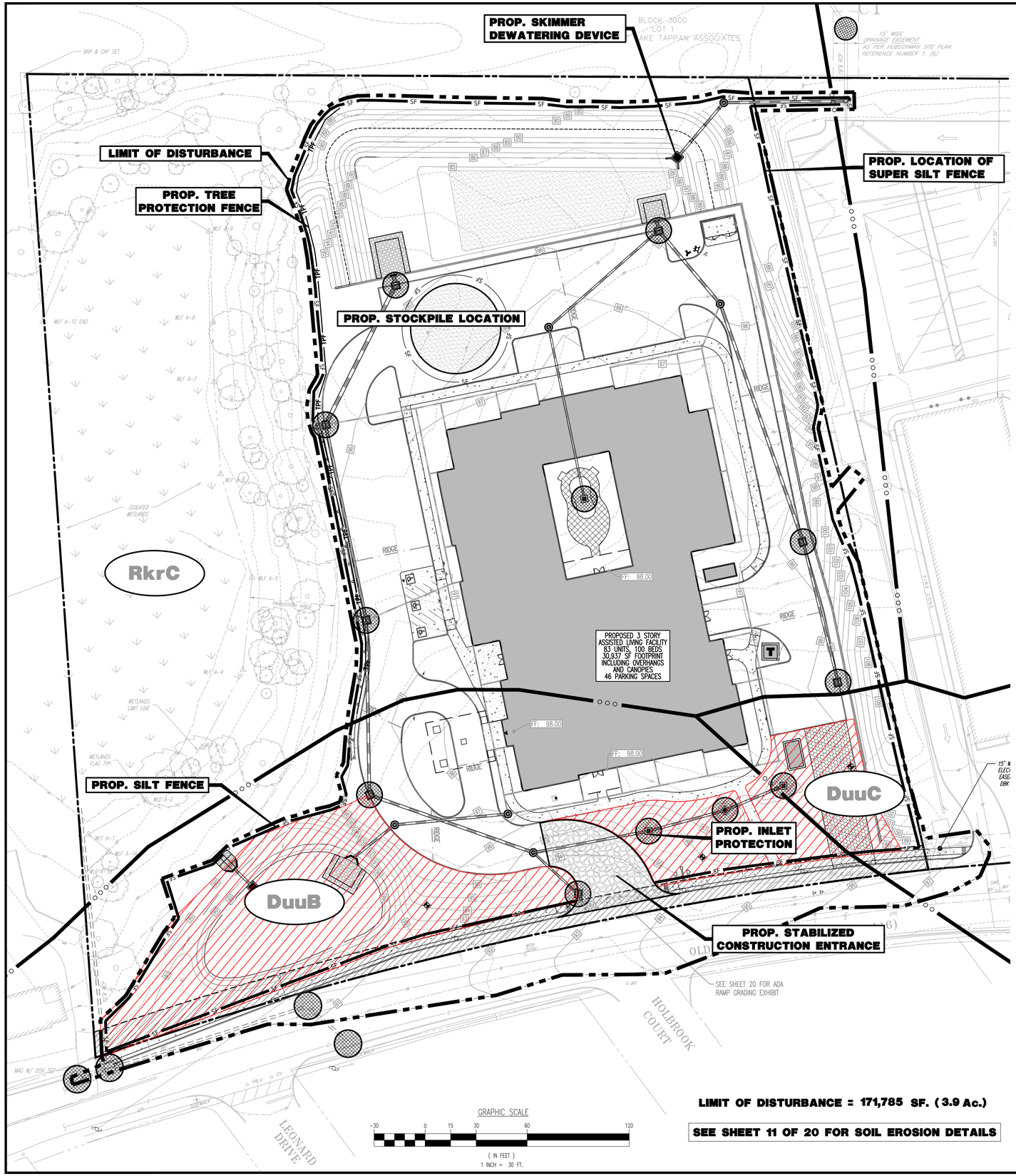

LIMIT OF DISTURBANCE = 171,785 SF. (3.9 Ac.)

SEE SHEET 11 OF 20 FOR SOIL EROSION DETAILS

THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

BERGEN COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION & SEDIMENT CONTROL NOTES:

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (NJ STANDARDS), AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND MULCHING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH UNROTTED STRAW AT A RATE OF 2 TONS PER ACRE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
3. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS.
4. STABILIZATION SPECIFICATIONS:
   A. TEMPORARY SEEDING AND MULCHING:
      GROUND LIMESTONE – APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
      FERTILIZER – APPLY 11LBS. /1,000 SF OF 10–20–10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
      SEED – PERENNIAL RYEGRASS 100 LBS. /ACRE (2.3 LBS. /1,000 SF) OR OTHER APPROVED SEED; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
      MULCH – UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS. /1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
   B. PERMANENT SEEDING AND MULCHING:
      TOPSOIL – A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5", MINIMUM OF 4" FIRMED IN PLACE IS REQUIRED.
      GROUND LIMESTONE – APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
      FERTILIZER – APPLY 11 LBS. /1,000 SF OF 10–10–10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
      SEED – TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS. /ACRE (8 LBS. /1,000 SF) OR OTHER APPROVED SEED; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDING REQUIRES IRRIGATION)
      MULCH – UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS. /1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
5. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
6. SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.
7. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED BY A HAYBALE SEDIMENT BARRIER OR SILT FENCE.
8. A CRUSHED STONE, VEHICLE WHEEL–CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 1" – 2½" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30' X 100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.
9. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
10. DRIVEWAYS MUST BE STABILIZED WITH 1" – 2½" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
11. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT– OF–WAYS, WILL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
12. CATCH BASIN INLETS WILL BE PROTECTED WITH AN INLET FILTER DESIGNED IN ACCORDANCE WITH SECTION 28–1 OF THE NJ STANDARDS.
13. STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
14. DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH SECTION 14–1 OF THE NJ STANDARDS.
15. DUST SHALL BE CONTROLLED VIA THE APPLICATION OF WATER, CALCIUM CHLORIDE OR OTHER APPROVED METHOD IN ACCORDANCE WITH SECTION 16–1 OF THE NJ STANDARDS.
16. TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND IN ACCORDANCE WITH SECTION 9–1 OF THE NJ STANDARDS.
17. THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF–SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
18. ANY REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION IN THE FIELD.
19. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE THROUGHOUT CONSTRUCTION.
20. THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE: BERGEN COUNTY SCD, 700 KINDERKAMACK ROAD, SUITE 106, ORADELL, NJ 07649. TEL: 201–261–4407; FAX 201–261–7573.
21. THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF–SITE EROSION PROBLEMS DURING CONSTRUCTION.
22. THE OWNER MUST OBTAIN A DISTRICT ISSUED REPORT OF COMPLIANCE PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY. THE DISTRICT REQUIRES AT LEAST ONE WEEK'S NOTICE TO FACILITATE THE SCHEDULING OF ALL REPORT OF COMPLIANCE INSPECTIONS. ALL SITE WORK MUST BE COMPLETED, INCLUDING TEMPORARY/PERMANENT STABILIZATION OF ALL EXPOSED AREAS, PRIOR TO THE ISSUANCE OF A REPORT OF COMPLIANCE BY THE DISTRICT.

REVISED 12/7/17

SEQUENCE OF CONSTRUCTION:

PHASE 1: INSTALL STONE ANTI–TRACKING PAD AND OTHER SOIL EROSION SEDIMENT CONTROL MEASURES INCLUDING DOWN SLOPE PERIMETER HAY BALES, SILT FENCE, & TREE PROTECTION FENCING. (2 DAYS)

PHASE 2: DEMOLISH EXISTING BUILDING AND ASSOCIATED LOT IMPROVEMENTS. (1 WEEK)

PHASE 3: CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER STRUCTURES REQUIRING EXCAVATION. (2 WEEKS)

PHASE 4: EXCAVATE AND INSTALL UNDERGROUND PIPING AND DRAINAGE STRUCTURES. INSTALL INLET FILTERS (2 WEEKS)

PHASE 5: EXCAVATE FOR BUILDING FOUNDATION. (1 WEEK)

PHASE 6: COMPLETE BUILDING CONSTRUCTION. (20 WEEKS)

PHASE 7: EXCAVATE AND INSTALL ON SITE IMPROVEMENTS INCLUDING CURBING, ROOF LEADERS, SIDEWALKS AND LIGHT POLE FOUNDATIONS. (2 WEEKS)

PHASE 8: FINAL GRADING ON SITE. REMOVE TREE PROTECTION FENCING. (1 WEEK)

PHASE 9: CONDUCT SOIL COMPACTION TESTING AND REMEDATE SUBSOIL (SCARIFICATION/TILLAGE TO A MINIMUM DEPTH OF 6") IF NECESSARY. (1 DAY)

PHASE 10: UNIFORMLY APPLY TOPSOIL TO AN AVERAGE DEPTH OF 6", MINIMUM OF 5", FIRMED IN PLACE. (1 DAY)

PHASE 11: CLEAN BASIN BOTTOMS FROM ALL SILT WITH LIGHTWEIGHT EQUIPMENT AND INSTALL SAND LAYER AND FINAL LANDSCAPING. (1 WEEK)

PHASE 12: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING. (1 WEEK)

PHASE 13: REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES ONCE SITE HAS BEEN STABILIZED.

STANDARD FOR DUST CONTROL

DEFINITION – THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.
PURPOSE – TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON–AND OFF– SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
WHERE APPLICABLE – THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:
MULCHES – SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY
VEGETATIVE COVER – SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOD.
SPRAY–ON ADHESIVES – ON MINERAL SOILS (NOT EFFECTIVE ON MOCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT	7:1	COARSE SPRAY	1,200
EMULSION			
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300

TILLAGE – TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL–TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING – TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
SPRINKLING – SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
BARRIERS – SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
CALCIUM CHLORIDE – SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.
STONE – COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

EROSION CONTROL LEGEND

- PROP. LIMIT OF DISTURBANCE LINE
- PROP. SILT FENCE LINE
- PROP. TREE PROTECTION FENCE LINE
- PROP. INLET FILTER
- PROP. HAYBALE SEDIMENT BARRIER

SOIL RESTORATION LEGEND

- SOIL COMPACTION TESTING AREAS
- RECOMMENDED SOIL COMPACTION TEST LOCATION (APPROX. 1 TEST/0.5 ACRES)

Hydrologic Soil Groups			
Symbol	Name	Rating	Area (Acres)
DuuB	Dunellen-Urban land complex, 3 to 8 percent slopes	A	1.22
DuuC	Dunellen-Urban land complex, 8 to 15 percent slopes	A	0.19
RkrC	Riverhead sandy loam, 8 to 15 percent slopes	B	4.05

REV.	DATE	COMMENTS	BY
9	08/30/22	REVISED PER BOROUGH COMMENTS	JD
8	07/11/22	REVISED PER BOROUGH COMMENTS	GL
7	06/15/22	REVISED PER COUNTY COMMENTS	GL
6	05/02/22	REVISED PER BOROUGH & SCD COMMENTS	GL
5	03/16/22	NEW REV PER BOROUGH COMMENTS	JD
4	02/01/22	REVISED PER SCD COMMENTS	JD
3	12/20/21	REVISED PER UPDATED LAYOUT	MS
2	09/10/21	REVISED PER SCD & COUNTY COMMENTS	GL
1	07/29/21	REVISED PER SCD & COUNTY COMMENTS	GL

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

DRAWN BY: JD | DESIGNED BY: JD | CHECKED BY: DTS | CHECKED BY: _

PROJECT: CSH OLD TAPPAN, LLC
PROPOSED ASSISTED LIVING FACILITY
BLOCK 1606, LOT 3
244 OLD TAPPAN ROAD
BOROUGH OF OLD TAPPAN, BERGEN COUNTY, NEW JERSEY

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NEW JERSEY LICENSE No. 36618

TITLE: SOIL EROSION & SEDIMENT CONTROL PLAN

SCALE: (H) 1"=30' (V) | DATE: 05/18/2021
PROJECT No: 1423–99–006

SHEET No: 10 OF 20 | Rev. #: 9

Plotted: 09/06/22 – 9:44 AM, By: jdemartinis
File: P:\DEEPC PROJECTS\1423 Capitol Seniors Housing\99–006 Old Tappan\Dwg\Site Plans\D1423990065ED.dwg, ----> 10 SOIL EROSION & SEDIMENT CONTROL PLAN