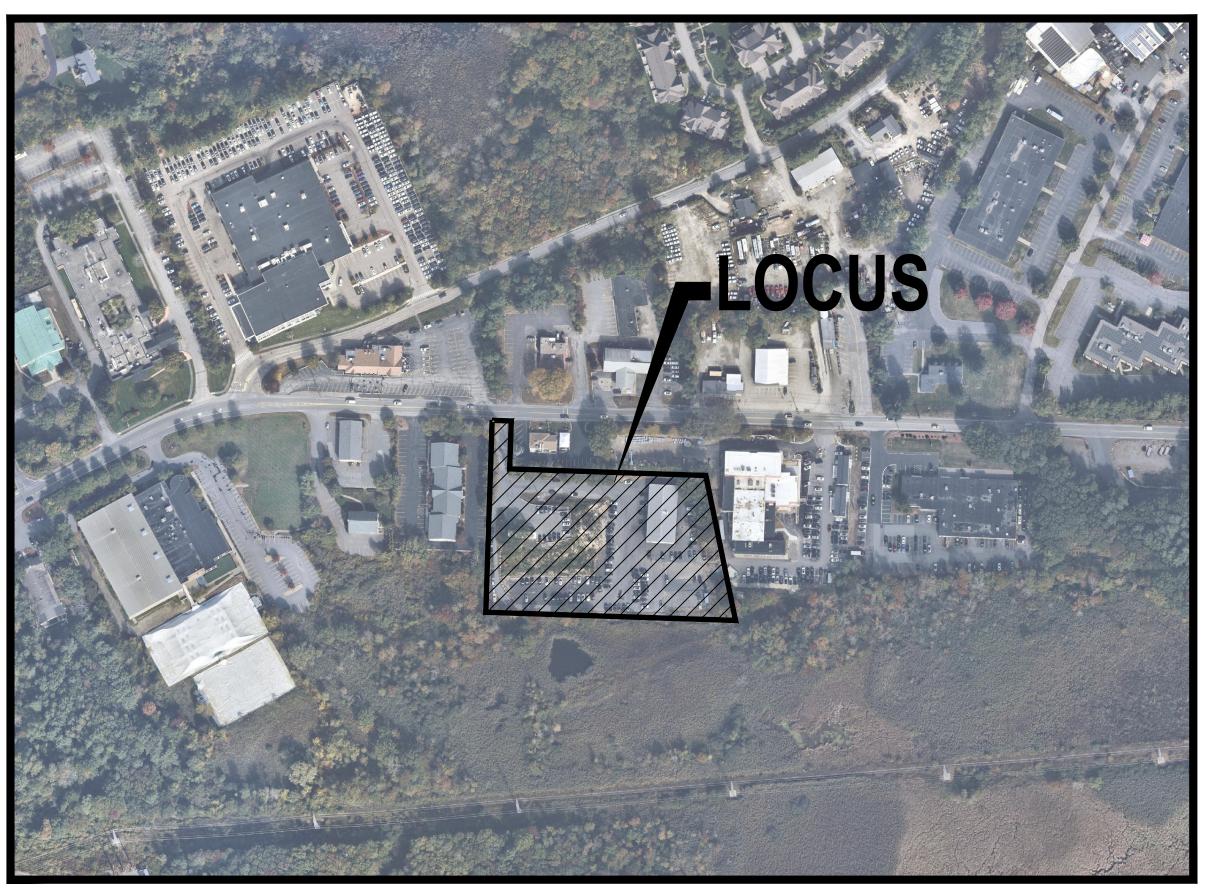
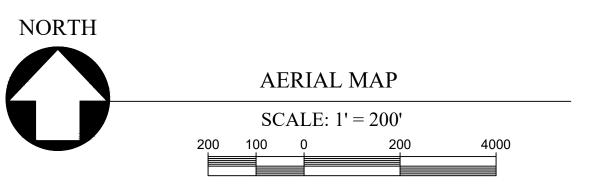
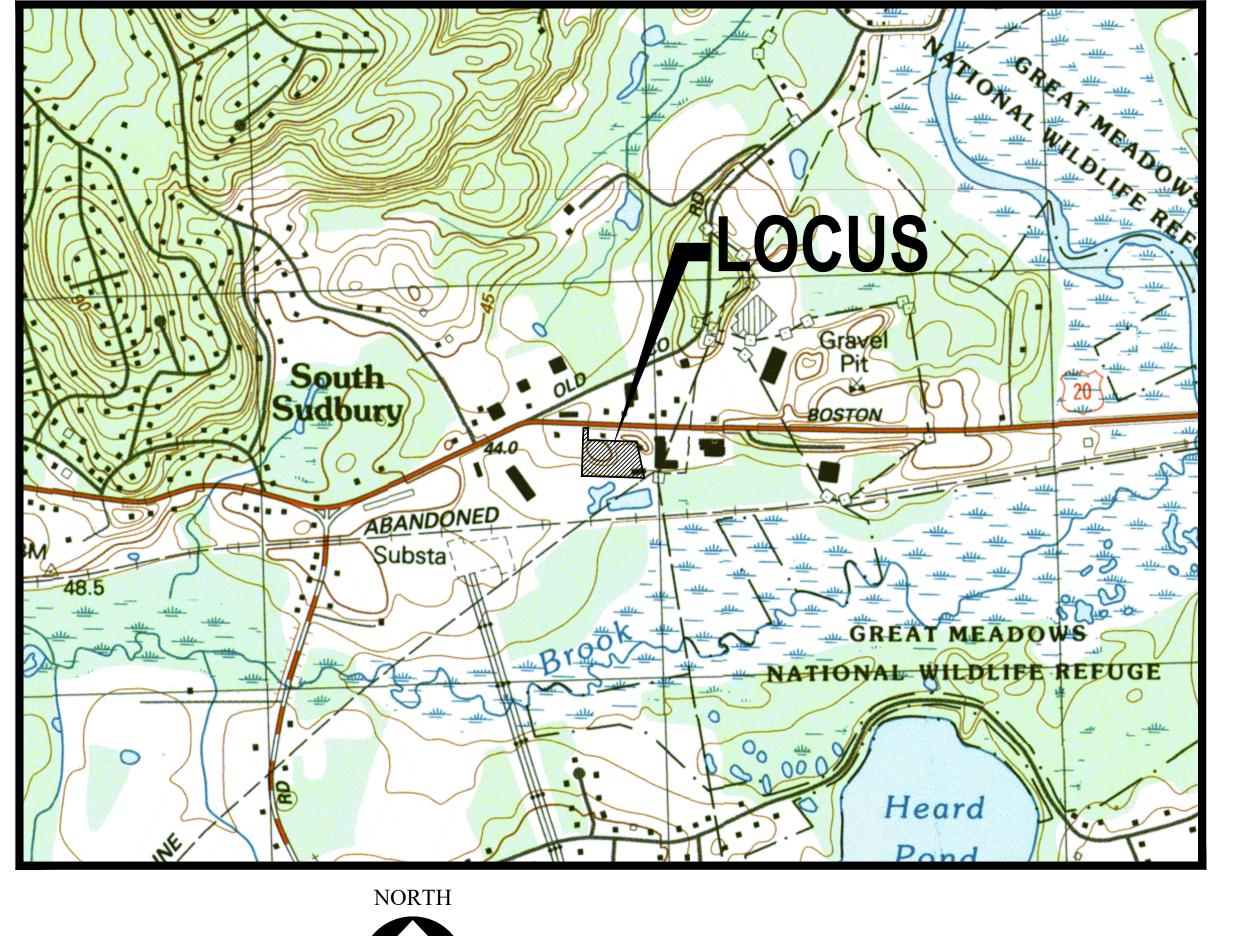
PROPOSED SITE DEVELOPMENT PLANS

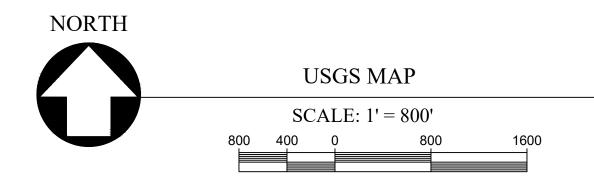
HERB CHAMBERS OF SUDBURY, INC.

105 BOSTON POST ROAD, SUDBURY, MA 01776









APPLICANT:

HERB CHAMBERS OF SUDBURY, INC. 259 MCGRATH HIGHWAY, SOMERVILLE, MA 02143

SURVEYOR

CHA CONSULTING, INC. 141 LONGWATER DRIVE-SUITE 104 NORWELL, MA 02061

ENGINEER/PERMITTING:

CROCKER DESIGN GROUP, LLC. 2 SHARP STREET, UNIT B, HINGHAM, MA 02043 781-919-0808

DRAWING INDEX:

COVER SHEET DEMOLITION PLAN SOIL EROSION AND SEDIMENT CONTROL PLAN

SITE PLAN

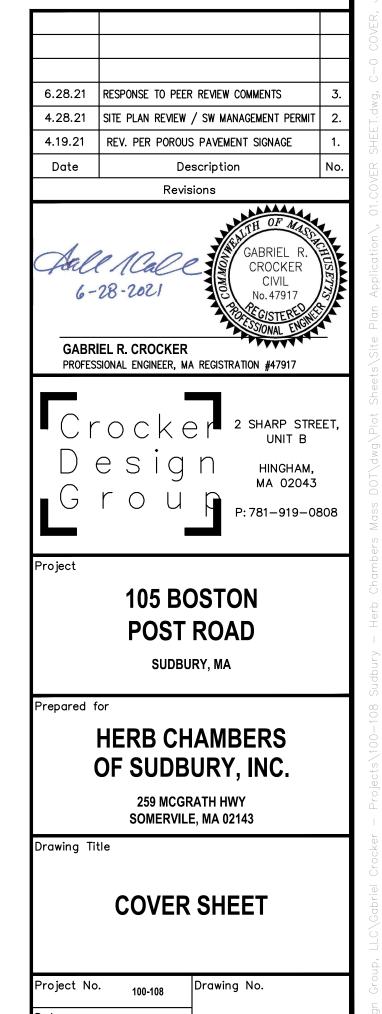
GRADING AND DRAINAGE PLAN **UTILITIES PLAN**

LANDSCAPE PLAN TEST PIT PLAN DETAIL SHEET (1 OF 3) DETAIL SHEET (2 OF 3)

DETAIL SHEET (3 OF 3) LIGHTING PLAN

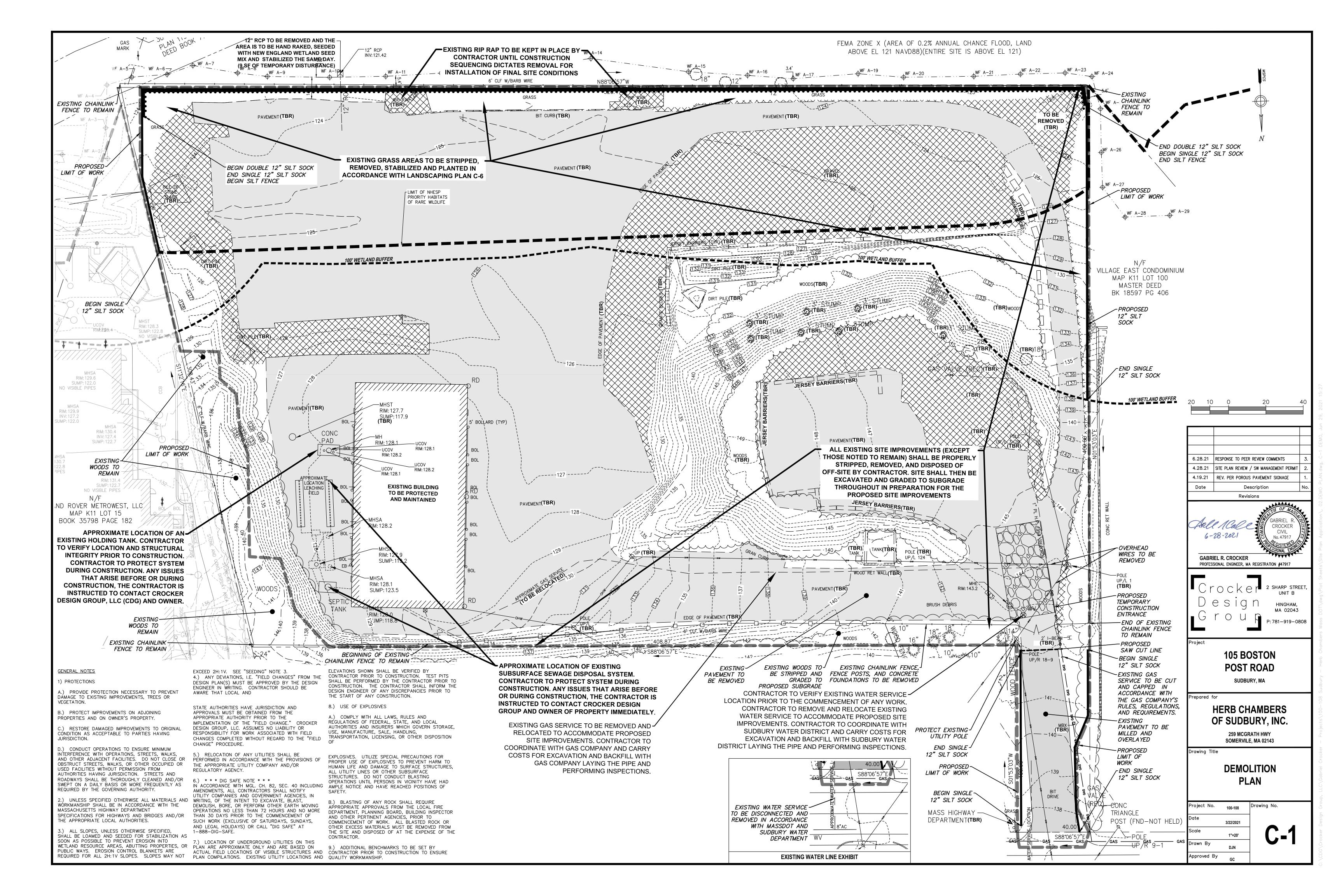
SUPPLEMENTAL PLANS:

FT-1 FIRE TRUCK TURNING EXHIBIT EXISTING CONDITIONS PLAN (PREPARED BY CHA CONSULTING, LLC.)



AS NOTED

Approved By

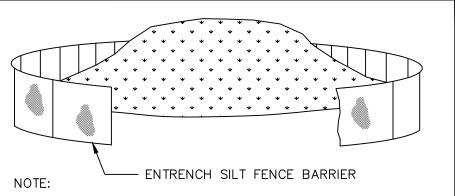


LEGEND

PROPOSED LIMIT OF DISTURBANCE PROPOSED HAY-BALES ROW ••••••• PROPOSED SILT FENCE

PROPOSED CONSTRUCTION ENTRANCE

PROPOSED INLET PROTECTION (SILT SACK OR APPROVED EQUAL)

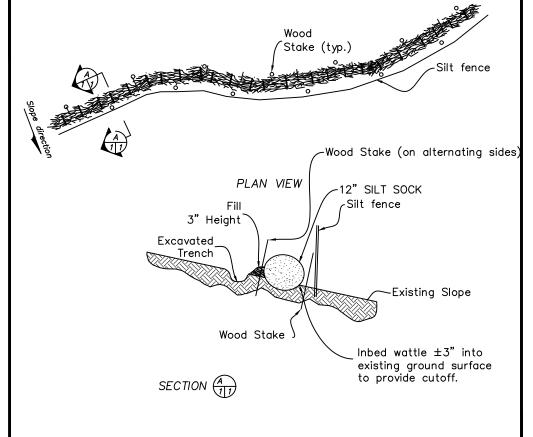


STABILIZE STOCKPILE WITH ANNUAL RYEGRASS, MULCH OR

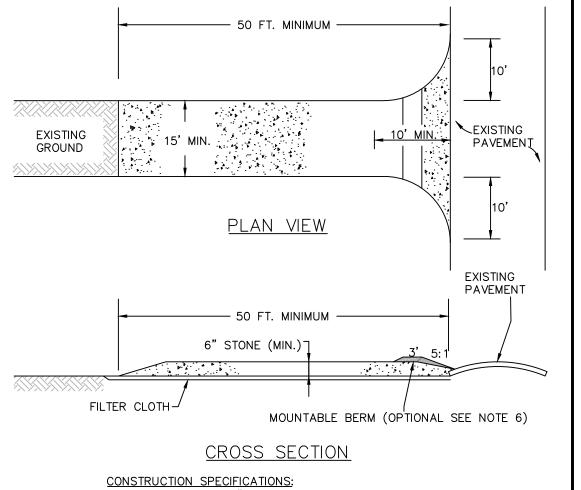
EROSION CONTROL BLANKETS.

SOIL STOCKPILE

NOT TO SCALE



12" SILT SOCK / SILT FENCE DETAIL NOT TO SCALE



1. STONE SIZE-USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. 2. LENGTH-RECOMMEND GREATER THAN OR EQUAL TO 50 FEET WHERE SOILS ARE SANDS AND GRAVELS AND 100 FEET IN SILTS AND CLAYS. 3. THICKNESS-NOT LESS THAN SIX (6) INCHES.

4. WIDTH-FIFTEEN (15) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OF EGRESS OCCURS. 5. FILTER CLOTH-SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. 6. SUFACE WATER-ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE INSTALLED.

7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED 8. PERIODIC INSPECTION AND NEEDED MAINTENCE SHALL BE

CONSTRUCTION ENTRANCE

NOT TO SCALE

PREVENTION PLAN (SWPPP) AND BY STORMWATER MANAGEMENT OPERATION AND MAINTENANCE PLAN AS PREPARED BY CROCKER DESIGN GROUP, LLC.

2. ALL TEMPORARY STOCKPILE AREAS SHALL HAVE EROSION CONTROLS (SILT SOCK AND SILT FENCE) AROUND THE PERIMETER.

1. CONTRACTOR TO ABIDE BY PROVISIONS OF

EPA NOI NPDES STORMWATER POLLUTION

GENERAL NOTES

3. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THIS PLAN. DIG SAFE MUST BE NOTIFIED (1-800-344-7233) AT LEAST 72

HOURS PRIOR TO ANY CONSTRUCTION. 4. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN PLACE AND OBSERVED PRIOR TO ANY WORK STARTING ON THE PROJECT.

5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED. WASHED OR TRACKED ON A PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.

6. TEMPORARY SEEDING OR OTHER METHOD OF STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE, UNLESS ADDITIONAL CONSTRUCTION OF THE AREAS IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.

7. UPON COMPLETION OF FINE GRADING, ALL AREAS NOT OTHERWISE PERMANENTLY STABILIZED SHALL BE SEEDED AND MAINTAINED UNTIL A UNIFORM COVERAGE OF 75%± MINIMUM DENSITY, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, IS ACHIEVED. SEE LANDSCAPING SHEET C-6

8. MAINTENANCE - EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY OR AS DIRECTED BY THE ENGINEER OR ARCHITECT. ACCUMULATED SILT AT ANY EROSION CONTROL DEVICE SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 0.25 OR 0.50 TIMES THE HEIGHT OF THE EROSION CONTROL DEVICE. FOR SILT FENCE, PLEASE REFER TO LOAD BEARING CAPACITY. SILT SHALL BE DISTRIBUTED ON-SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION.

CONSTRUCTION PHASING 1. BELOW IS A GENERAL CONSTRUCTION PHASING, A MORE DETAILED SCHEDULE IS PRESENTED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).

2. EXTENTS OF CONSTRUCTION TO BE DELINEATED BY CONTRACTOR.

3. EROSION AND SEDIMENTATION CONTROL MEASURES INCLUDING SILT SOCK AND SILT FENCE (OR OPTIONAL FILTER SACK IN LIEU OF SILT SOCK AND SILT FENCE) WILL BE INSTALLED. CONTRACTOR SHALL INSPECT CONTROL MEASURES MONTHLY AND AFTER RAIN EVENTS OF 0.5" OR

4. THE PROJECT AREA WILL BE CLEARED OF DEBRIS AND BOULDERS. MATERIAL REMOVED FROM THE SITE WILL BE TRANSPORTED TO AN APPROPRIATE FACILITY OR WILL BE DISPOSED OF ELSEWHERE ACCORDING TO FEDERAL, STATE, AND LOCAL GUIDELINES. INACTIVE STOCKPILES OR AREAS OF GRANULAR MATERIAL OR TOPSOIL SHALL BE TEMPORARILY SEEDED OR MULCHED IN ORDER TO CONTROL SEDIMENT LADEN RUNOFF.

5. CONTRACTOR IS RESPONSIBLE TO SET OUT UTILITIES AND ANY NECESSARY GRADES.

6. GRADING OF SITE INCLUDING , PARKING AREAS, AND UNDERGROUND DETENTION CHAMBERS AND DIGGING OF UTILITY TRENCHES TO DEFINED INVERT LEVELS. MATERIAL TO BE STORED ON AN UNUSED SITE AREA FOR FILL OR PROPERLY REMOVED FROM THE JOB SITE. IF SUITABLE TOPSOIL IS FOUND, IT WILL BE REMOVED AND STOCKPILED IN AN UPLAND AREA AT LEAST 100' FROM WETLANDS TO BE REUSED AS TOPSOIL ON THE PROJECT.

7. LAYING OF ALL UTILITIES INCLUDING DRAINAGE PIPES AND STRUCTURES FOLLOWED BY BACK-FILL, TAKING CARE TO LEAVE ONLY

TRENCHES BEING WORKED ON OPEN. 8. FINE GRADING FOR THE PARKING AREAS AND DRAINAGE CHAMBERS TO BE COMPLETED.

9. ONCE THE DRAINAGE STRUCTURES ARE INSTALLED, PROVIDE PROTECTION AT ALL CATCH BASINS AND INLETS TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.

TOPSOIL AS NEEDED. 11. LIGHT POLES, SIGNAGE, ETC. WILL BE

10. INSTALL BINDER COURSE AND SPREAD

ACCEPTANCE.

INSTALLED.

12. INSTALL TOP COURSE OF PAVING AND

13. THE FINAL PHASE OF CONSTRUCTION IS RESTORATION AND STABILIZATION OF ALL EXPOSED SURFACES. DISTURBED AREAS SHALL BE LANDSCAPED OR SEEDED (SEE ADDITIONAL DISCUSSION IN SWPPP). IN THE EVENT THAT WEATHER CONDITIONS PREVENT FINAL STABILIZATION, TEMPORARY EROSION AND SEDIMENTATION MEASURES WILL BE EMPLOYED UNTIL THE TEMPERATURE AND WEATHER IS SUITABLE FOR GRASS GROWING. A FINAL INSPECTION WILL ENSURE THAT THE SITE IS CLEARED OF ALL PROJECT DEBRIS AND THAT EROSION AND SEDIMENTATION CONTROLS ARE FUNCTIONING PROPERLY. SILT SOCK AND SILT FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABILIZED AND THE SITE HAS PASSED FINAL INSPECTION. VEGETATION IS TO BE OF A UNIFORM DENSITY OF AT LEAST 75% FOR

CONTINUATION OF GENERAL NOTES) 9. ANY CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY EROSION CONTROL DEVICE WHICH HE DISTURBS. EACH CONTRACTOR SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASE, FUEL AND LUBE OIL

PESTICIDES, ANY SOLID WASTE MATERIALS.

10. ALL SIDE SLOPES SHALL BE SEEDED WITH GRASS OR INSTALL JUTE NETTING TO PREVENT FROSION.

11. INSPECTIONS: INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONNEL. DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE. STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM EVEN OF 0.5 INCHES OR GREATER. STABILIZED AREAS ARE TO BE INSPECTED ONCE PER MONTH DISTURBED AREAS AND STORAGE AREAS EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THEY ARE WORKING PROPERLY. DISCHARGE LOCATIONS AND POINTS SHALL BE INSPECTED ASCERTAIN WHETHER CONTROLS ARE PREVENTING SIGNIFICANT IMPACT. BASED ON THE RESULTS OF THE ABOVE INSPECTIONS, ANY NECESSARY CHANGES TO THE PLAN WILL BE MADE WITHIN T DAYS OF THE INSPECTION AND SUBMITTED TO THE TOWN OF SUDBURY PLANNING BOARD. THI CHANGES MUST BE IMPLEMENTED IN THE FIELD BEFORE THE NEXT STORM EVEN IF PRACTICABLE OTHERWISE AS SOON AS POSSIBLE.

12. INSTALL AND MAINTAIN CATCH BASIN INSERTS IN ALL PROPOSED AND EXISTING CATCH

13. PROVIDE TEMPORARY SEDIMENTATION BASINS, SILT SOCK, ETC. AS NECESSARY.

14. STOCKPILES ARE TO BE AT LEAST 100 FEET FROM WETLAND AREAS. STOCKPILES NOT TO BE REUSED WITHIN 30 DAYS ARE TO BE STABILIZED WITH SEED OR MULCH.

15. POTENTIAL STOCK PILE AREA TO BE PROTECTED WITH EROSION CONTROL MEASURES.

16. THE CONTRACTOR SHALL HAVE A WATER TRUCK ON-SITE AT ALL TIMES AND SHALL PROVIDE TEMPORARY PLANTINGS OR OTHER COVERINGS, SUCH AS WOOD CHIPS, TO MINIMIZE THE AMOUNT OF DUST LEAVING THE PREMISES.

6.28.21 RESPONSE TO PEER REVIEW COMMENTS 4.28.21 | SITE PLAN REVIEW / SW MANAGEMENT PERMIT 4.19.21 | REV. PER POROUS PAVEMENT SIGNAGE Description Revisions



GABRIEL R. CROCKER PROFESSIONAL ENGINEER, MA REGISTRATION #47917

2 SHARP STREET HINGHAM. MA 02043 P: 781-919-0808

> **105 BOSTON POST ROAD**

> > SUDBURY, MA

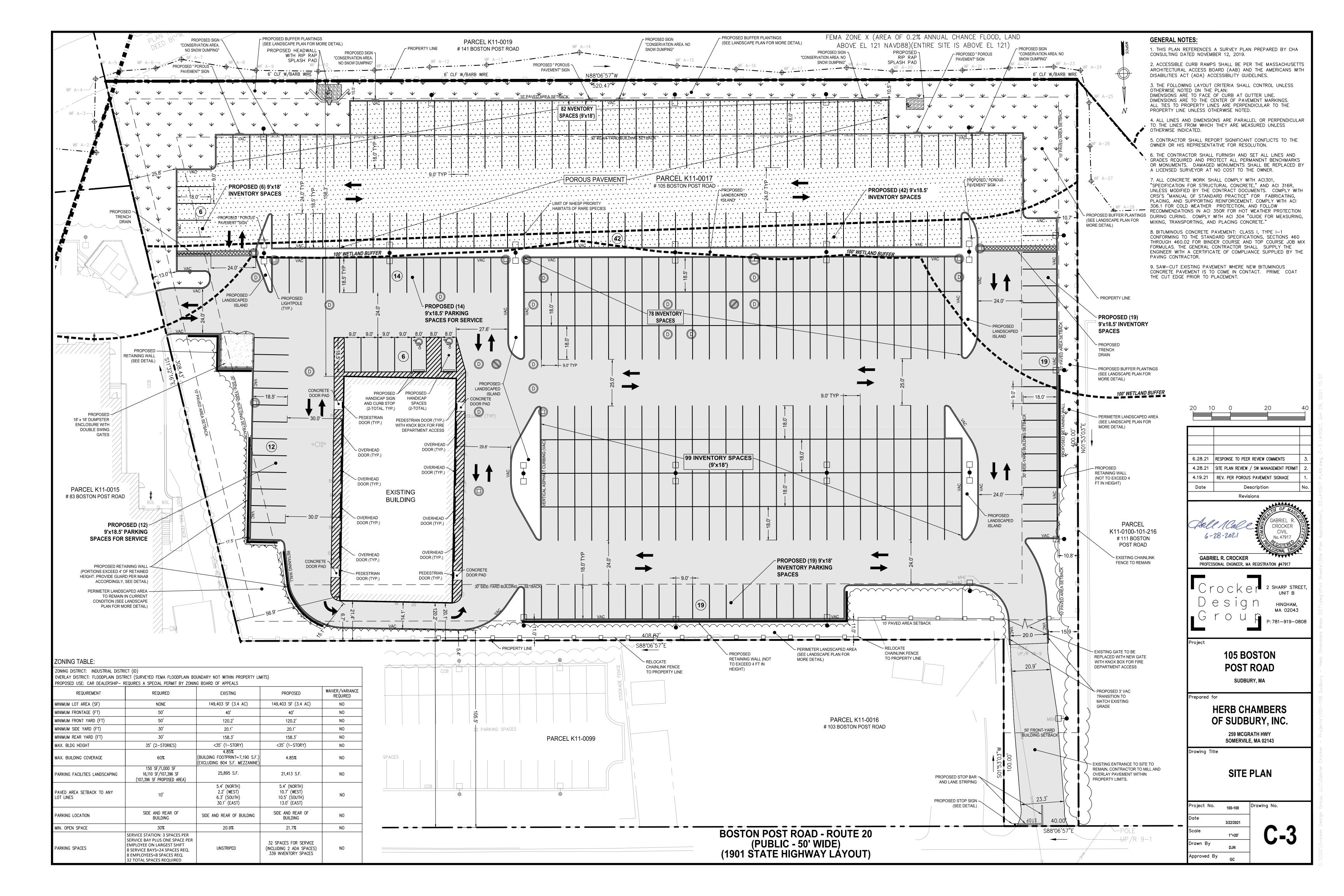
HERB CHAMBERS OF SUDBURY, INC.

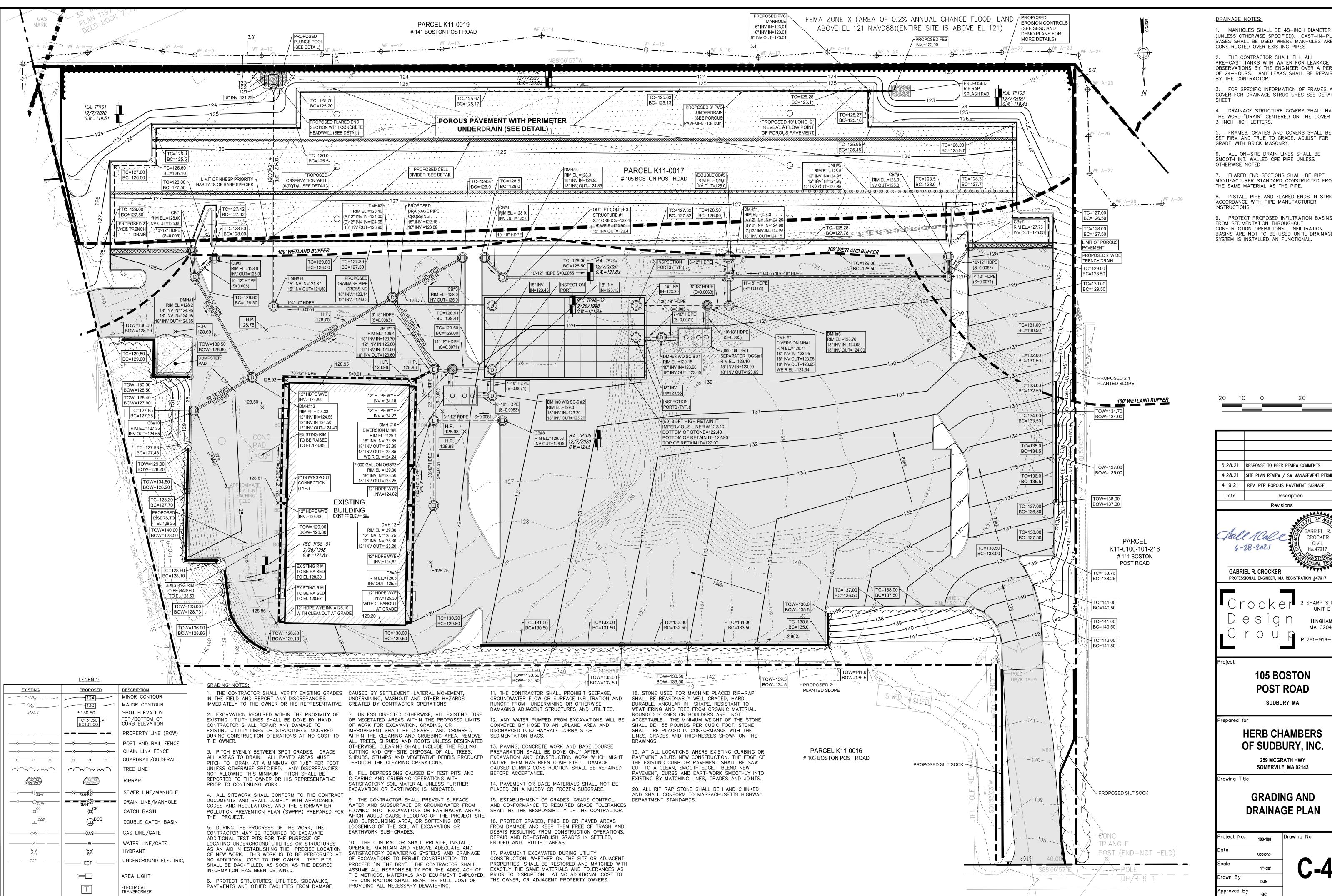
> 259 MCGRATH HWY SOMERVILE, MA 02143

SOIL EROSION AND SEDIMENT CONTROL PLAN

100-108 3/22/2021 1"=30' Drawn By DJN Approved By

Drawing No.





(UNLESS OTHERWISE SPECIFIED). CAST-IN-PLACE BASES SHALL BE USED WHERE MANHOLES ARE CONSTRUCTED OVER EXISTING PIPES.

2. THE CONTRACTOR SHALL FILL ALL PRE-CAST TANKS WITH WATER FOR LEAKAGE OBSERVATIONS BY THE ENGINEER OVER A PERIOD OF 24-HOURS. ANY LEAKS SHALL BE REPAIRED

3. FOR SPECIFIC INFORMATION OF FRAMES AND COVER FOR DRAINAGE STRUCTURES SEE DETAIL

4. DRAINAGE STRUCTURE COVERS SHALL HAVE THE WORD "DRAIN" CENTERED ON THE COVER IN

5. FRAMES, GRATES AND COVERS SHALL BE SET FIRM AND TRUE TO GRADE, ADJUST FOR

6. ALL ON-SITE DRAIN LINES SHALL BE SMOOTH INT. WALLED CPE PIPE UNLESS

FLARED END SECTIONS SHALL BE PIPE MANUFACTURER STANDARD CONSTRUCTED FROM

8. INSTALL PIPE AND FLARED ENDS IN STRICT ACCORDANCE WITH PIPE MANUFACTURER

9. PROTECT PROPOSED INFILTRATION BASINS FROM SEDIMENTATION THROUGHOUT CONSTRUCTION OPERATIONS. INFILTRATION BASINS ARE NOT TO BE USED UNTIL DRAINAGE SYSTEM IS INSTALLED AN FUNCTIONAL.

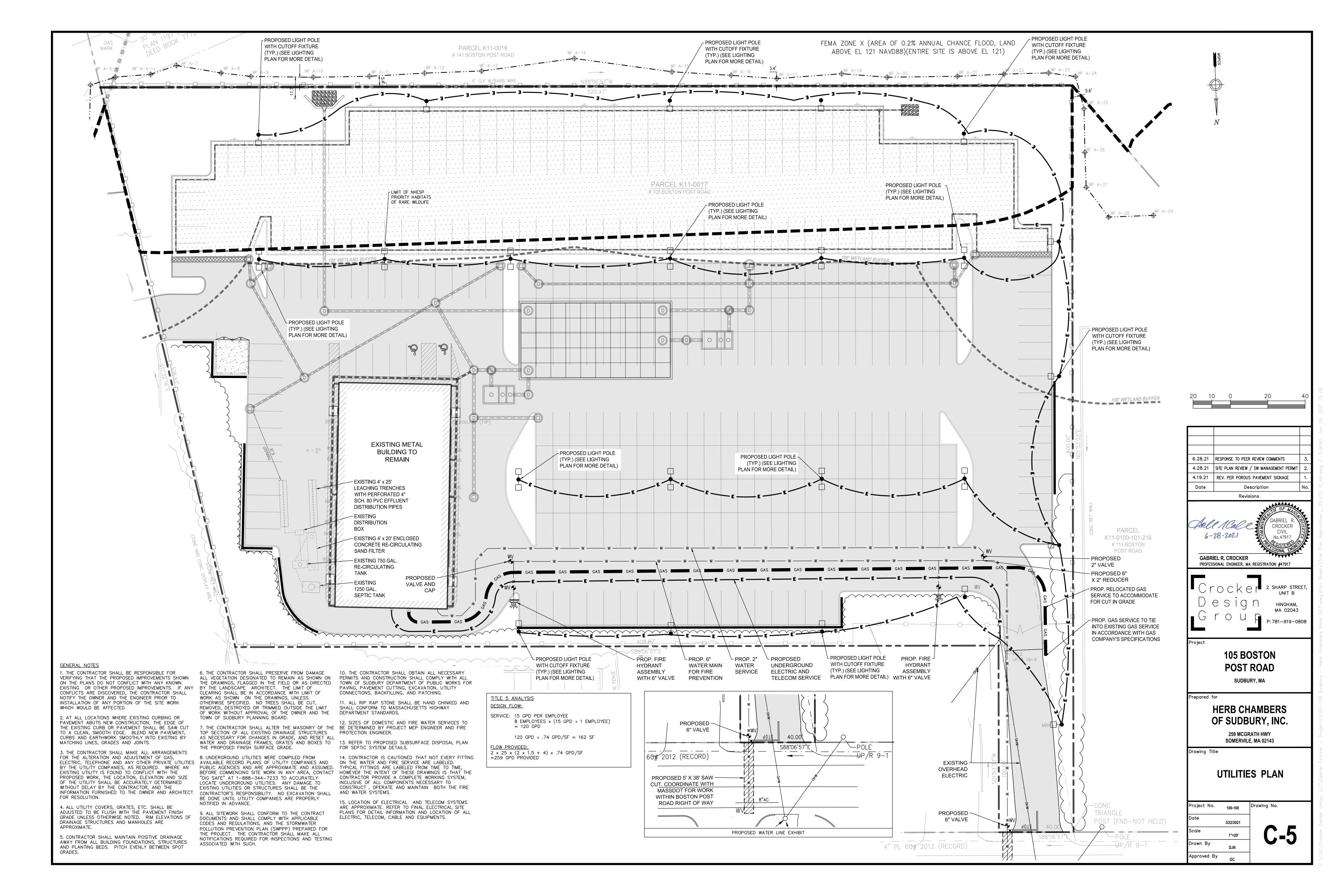
6.28.21 RESPONSE TO PEER REVIEW COMMENTS 4.28.21 | SITE PLAN REVIEW / SW MANAGEMENT PERMIT 4.19.21 | REV. PER POROUS PAVEMENT SIGNAGE Description

PROFESSIONAL ENGINEER, MA REGISTRATION #47917 2 SHARP STREET HINGHAM, MA 02043 P: 781-919-0808

> **105 BOSTON POST ROAD**

HERB CHAMBERS OF SUDBURY, INC.

GRADING AND DRAINAGE PLAN



PRUNE ONLY INJURED OR BROKEN BRANCHES. RETAIN NATURAL FORM OF TREE. DO NOT TRIM LEADER. 3" LAYER OF MULCH. KEEP MULCH 2" BACK FROM TRUNK. CUT AND REMOVE AS MUCH BURLAP AS POSSIBLE, IF NON EXCAVATE PLANTING BIODEGRADABLE REMOVE HOLE TO A WIDTH THREE ENTIRELY. WIRE BASKETS TIMES THE DIAMETER OF TO BE REMOVED THE ROOTBALL AND A ENTIRELY. DEPTH EQUAL TO THE PLACE ROOTBALL ON UNDISTURBED SOIL TO PREVENT SETTLING. BACKFILL PLANTING HOLE WITH PLANTING MIX AS SPECIFIED. BACKFILL HALF THE SOIL AND WATER TO SETTLE OUT AIR POCKETS, COMPLETE BACKFILLING AND REPEAT WATERING IF ROOTS ARE CIRCLING THE ROOTBALL EXTERIOR, CUT ROOTS VERTICALLY IN SEVERAL PLACES PRIOR TO PLANTING. PLACES PRIOR TO PLANTING.

EVERGREEN TREE PLANTING

NOT TO SCALE

CUT AND REMOVE AS MUCH BURLAP AS POSSIBLE, IF NON BIODEGRADABLE REMOVE 3" LAYER OF MULCH AS ENTIRELY. WIRE BASKETS TO SPECIFIED. KEEP MULCH BE REMOVED ENTIRELY. 2" BACK FROM TRUNK. FXCAVATE PLANTING HOLE TO A WIDTH THREE TIMES THE DIAMETER OF THE ROOTBALL AND A PLACE ROOTBALL ON DEPTH EQUAL TO THE UNDISTURBED SOIL TO PREVENT SETTLING. NOTES: BACKFILL PLANTING HOLE WITH PLANTING MIX AS SPECIFIED.

BACKFILL HALF THE SOIL AND WATER TO SETTLE OUT AIR POCKETS, COMPLETE BACKFILLING AND REPEAT WATERING. IF ROOTS ARE CIRCLING THE ROOTBALL EXTERIOR, CUT ROOTS VERTICALLY IN SEVERAL

> SHRUB PLANTING DETAIL (NOT TO SCALE)

TREE. DO NOT TRIM SITUATED ON WINDY SITES LEADER. OR EXPOSED TO SUBSTANTIAL PEDESTRIAN TRAFFIC. 3" LAYER OF MULCH. KEEP MULCH 2" BACK CUT AND REMOVE AS FROM TRUNK. MUCH BURLAP AS POSSIBLE, IF NON BIODEGRADABLE REMOVE ENTIRELY. WIRE BASKETS TO BE REMOVED ENTIRELY. EXCAVATE PLANTING HOLE TO A WIDTH THREE TIMES THE DIAMETER OF THE ROOTBALL AND A DEPTH EQUAL TO THE NOTES: BACKFILL PLANTING HOLE WITH PLANTING MIX AS SPECIFIED. PLACE ROOTBALL ON BACKFILL HALF THE SOIL AND WATER TO SETTLE OUT AIR UNDISTURBED SOIL POCKETS, COMPLETE BACKFILLING AND REPEAT WATERING. TO PREVENT SETTLING. IF ROOTS ARE CIRCLING THE ROOTBALL EXTERIOR, CUT ROOTS VERTICALLY IN SEVERAL PLACES PRIOR TO PLANTING.

PRUNE ONLY INJURED

BRANCHES. RETAIN

NATURAL FORM OF

OR BROKEN

TREE PLANTING (NOT TO SCALE)

ONLY STAKE TREES

PLANT SCHEDULE

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE*
AR	1	ACER RUBRUM	RED MAPLE	2.5-3" CAL.
QA	19	QUERCUS ALBA	WHITE OAK	3" CAL
WH	46	CORYLUS AMERICANA	WITCH HAZEL	18-24" HT
VA	78	PRUNUS SEROTINA	WILD BLACK CHERRY	18-24" HT.
CA	107	CORNUS ALTERNIFOLIA	ALTERNATE LEAF DOGWOOD	18-24" HT
CR	92	CORNUS RACEMOSA	GREY DOGWOOD	18-24" HT
АМ	69	ARONIA MELANOCARPA	BLACK CHOKEBERRY	18-24" HT
TD	78	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEW	18-24" HT
АН	12	LLEX OPACA	AMERICAN HOLLY	5' HT
EA	54	THUJA OCCIDENTALIS	EASTERN ARBORVITAE	5' HT

GENERAL NOTES 1. ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM

GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. ALL PLANTING BEDS TO BE FILLED WITH SOIL AND CROWNER ABOVE ADJACENT LAWN OR IMPROVED AREAS. 3. ALL PLANTING BEDS TO BE MULCHED WITH AGED HARDWOOD BARK MULCH TO A DEPTH OF THREE (3) INCHES. PROVIDE FIVE (5) FOOT DIAMETER MULCH CIRCLE AROUND ALL INDIVIDUAL TREE PLANTINGS AND CONTINUOUS MULCH BED AROUND SHRUB PLANTINGS.

4. PLANT MATERIALS SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS THEY BORE TO GRADE IN THE NURSERY. 5. SPACE PLANTS AT SCALED DISTANCES SHOWN ON DRAWINGS UNLESS OTHERWISE DETERMINED IN FIELD FOR SCREENING

PURPOSES. 6. ANY PROPOSED SUBSTITUTION OF PLANT MATERIAL SHALL ONLY BE MADE AFTER PRIOR APPROVAL OF LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.

7. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL WRITTEN ACCEPTANCE FROM THE OWNER OR HIS REPRESENTATIVE.

8. WARM SEASON GRASS MIX AREAS DEPICTED HEREIN SHALL

NOT BE CONSTRUED AS THE FULL EXTENT REQUIRED; IN ADDITION TO AREAS INDICATED HEREIN, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING WARM SEASON GRASS MIX FOR ALL STRIPPED AREAS AND ALL AREAS DISTURBED DURING CONSTRUCTION WHICH MAY BE BEYOND THOSE INDICATED HEREIN. 9. PERMANENT SEEDING SHALL BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND/OR LATE SUMMER AND EARLY FALL FROM AUGUST TO OCTOBER 15. DURING PEAK SUMMER MONTHS AND IN THE FALL AFTER OCTOBER 15, WHEN SEEDING IS FOUND TO BE IMPRACTICAL, APPROPRIATE TEMPORARY MULCH SHALL BE APPLIED. PERMANENT SEEDING MAY BE UNDERTAKEN DURING THE SUMMER IF PLANS PROVIDE FOR ADEQUATE MULCHING AND WATERING.

SOIL NOTES:

1. ALL AREAS DISTURBED BY CONSTRUCTION NOT DESIGNATED TO RECEIVE OTHER TREATMENT SHALL BE LOAMED A MINIMUM DEPTH AS SPECIFIED BELOW. TOPSOIL FOR THIS PURPOSE SHALL BE TESTED BY AN APPROVED SOIL TESTING LABORATORY AND SHALL MEET THE FOLLOWING MINIMUM STANDARDS:

a)TEXTURE: FINE SANDY LOAM OR SANDY LOAM, AS DETERMINED BY MECHANICAL ANALYSIS AND BASED ON THE USDA STANDARD SOIL CLASSIFICATION

b)ACIDITY: SOIL REACTION SHALL BE IN THE RANGE OF 5.5 TO 7.6, OR SHALL BE AMENDED TO

MEET THIS RANGE. c)ORGANIC MATTER: TOPSOIL SHALL HAVE A RANGE BETWEEN 10% AND 20% ORGANIC MATTER CONTENT BASED ON THE LOSS ON IGNITION OF OVEN-DRIED

TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF SIX (6) INCHES AFTER SETTLING ON ALL TURFGRASS LAWN AREAS ADJACENT TO THE BUILDING, AS INDICATED IN THE PROJECT LEGEND. TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF FOUR (4) INCHES AFTER SETTLING ON ALL GRAVEL PIT RECLAMÁTION AREAS, WARM SEASON GRASS MIX AREAS AND OTHER DISTURBED AREAS.

<u>PLANTING MIX:</u> MIX THE SPECIFIED MATERIALS ON—SITE IN THE FOLLOWING PROPORTIONS: 3 PARTS TOPSOIL AS SPECIFIED ABOVE, 1 PART PEAT MOSS, 1 PART SAND, WITH 5 POUNDS OF SUPERPHOSPHATE/CUBIC YARD OF MIXTURE (ONLY IF PLANTS ARE INSTALLED IN SPRING). ALL AMENDMENTS SHALL BE THOROUGHLY INCORPORATED INTO MIXTURE TO ASSURE UNIFORM DISTRIBUTION. PLANTING MIX SHALL BE USED TO BACKFILL ALL TREE AND SHRUB PLANTING HOLES, AS INDICATED IN THE PLANTING DETAILS, AND SHALL BE SPREAD TO A MINIMUM DEPTH OF FOUR (4) INCHES.

IF PLANTS ARE INSTALLED IN SPRING). ALL AMENDMENTS SHALL BE THOROUGHLY INCORPORATED INTO MIXTURE TO ASSURE UNIFORM DISTRIBUTION.

SEED MIX NOTES:

1. SEED ALL TURFGRASS LAWN AREAS. AS INDICATED IN THE PROJECT LEGEND. WITH A DROUGHT TOLERANT. HIGH-FESCU TURFGRASS SEED MIX SUCH AS PEARL'S PREMIUM GRASS SEED BY PEARL'S PREMIUM, WAYLAND, MA; ENVIROTURF BY BLUESTEM NURSERY, LAURIER, WA; ECO-LAWN BY WILDFLOWER FARM, COLDWATER, ONT, CAN; OR APPROVED EQUAL, APPLIED AT SEED PRODUCER'S RECOMMENDED RATE. 2. SEED ALL OTHER DISTURBED AREAS WITH "NEW ENGLAND

NATIVE WARM SEASON GRASS MIX" BY NEW ENGLAND WETLAND PLANTS, AMHERST, MA, OR APPROVED EQUAL, PER MANUFACTURER'S RECOMMENDATIONS. WARM SEASON SEEDING PROGRAM WILL LIKELY TAKE 2-3 GROWING SEASONS UNTIL GOOD GROWTH IS ESTABLISHED. MULCH ALL SEEDED AREAS WITH 500-700 LBS. OF SALTMARSH HAY OR WEED-FREE STRAW PER ACRE. SPREAD

EVENLY. ALL SLOPES OF 3:1 OR GREATER, AFTER BEING LOAMED, SEEDED, AND MULCHED, SHALL BE COVERED WITH JUTE OR BIODEGRADABLE TOBACCO NETTING SECURELY ANCHORED TO THE SLOPE. OVERLAP A NETTING JOINTS A MINIMUM OF 4" AND SECURE WITH A DOUBLE ROW OF STAPLES.* 4. MAINTENANCE OF SEED AREAS SHALL CONSIST OF WATERING, WEEDING, CURING, REPAIR OF ALL EROSION, AND RESEEDING AS NECESSARY TO ESTABLISH A UNIFORM STAND OF GRASS, LAWNS SHALL BE WATERED IN A SATISFACTORY MANNER DURING AND IMMEDIATELY AFTER PLANTING, AND NOT LESS THAN TWICE PER WEEK UNTIL FINAL ACCEPTANCE. ALL AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON SHALL BE RESEEDED REPEATEDLY UNTIL A UNIFORM STAND IS ATTAINED. 5. HYDROSEEDING IS AN ACCEPTABLE ALTERNATE METHOD OF SEEDING, IF UNDERTAKEN IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

-MATERIALS FOR HYDROSEEDING SHALL INCLUDE TACKIFIER, WOOD CELLULOSE FIBER MULCH, FERTILIZER, GROUND LIMESTONE AND WATER.

-PROVIDE JUTE MATTING OR BIODEGRADABLE TOBACCO NETTING ON ALL SLOPES EQUAL TO OR GREATER THAN 3:1.

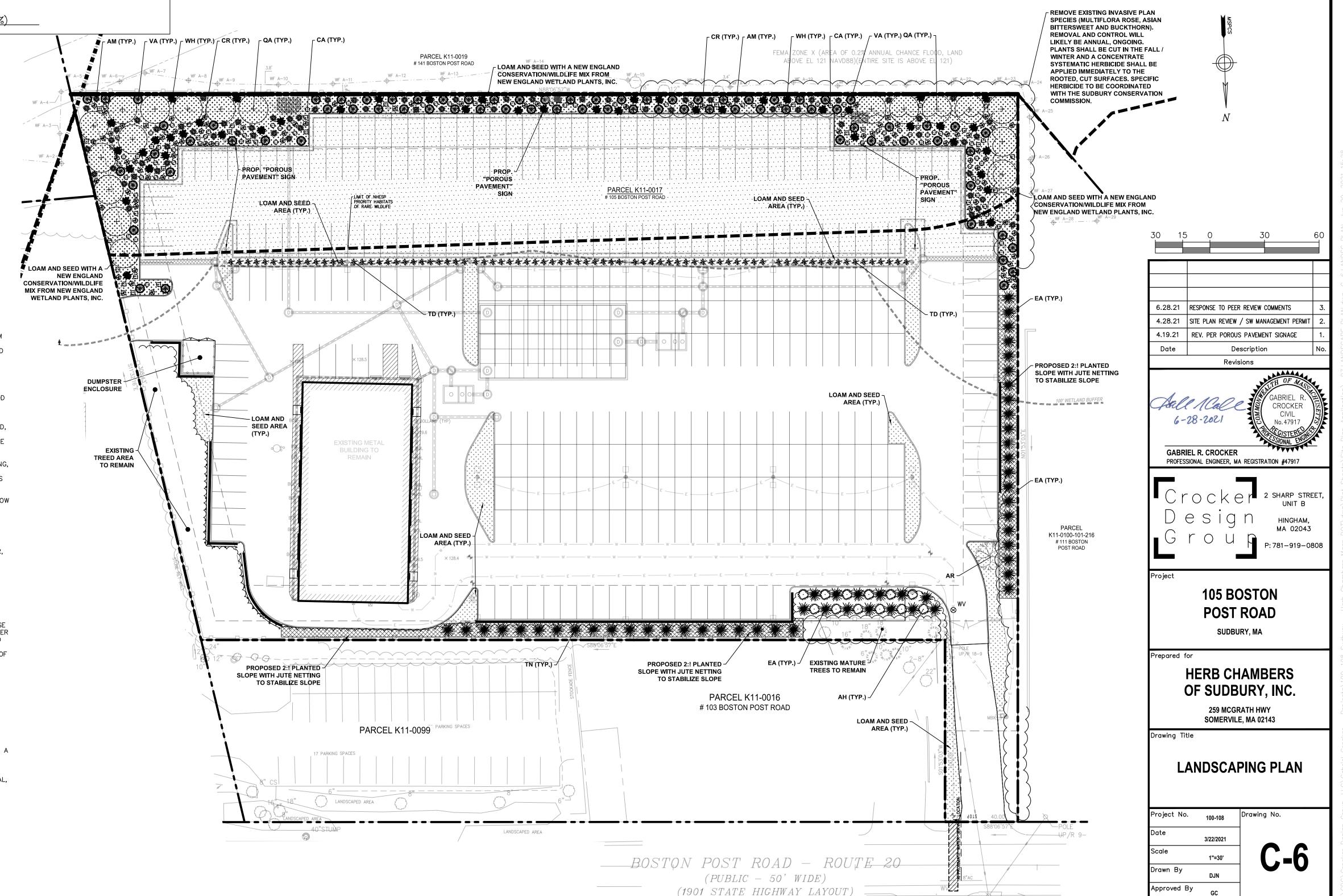
JUTE MATTING SHALL BE C-JUTE BY CONTECH CONSTRUCTION PRODUCTS, INC, GEOJUTE BY BELTON INDUSTRIES OR APPROVED EQUAL.*

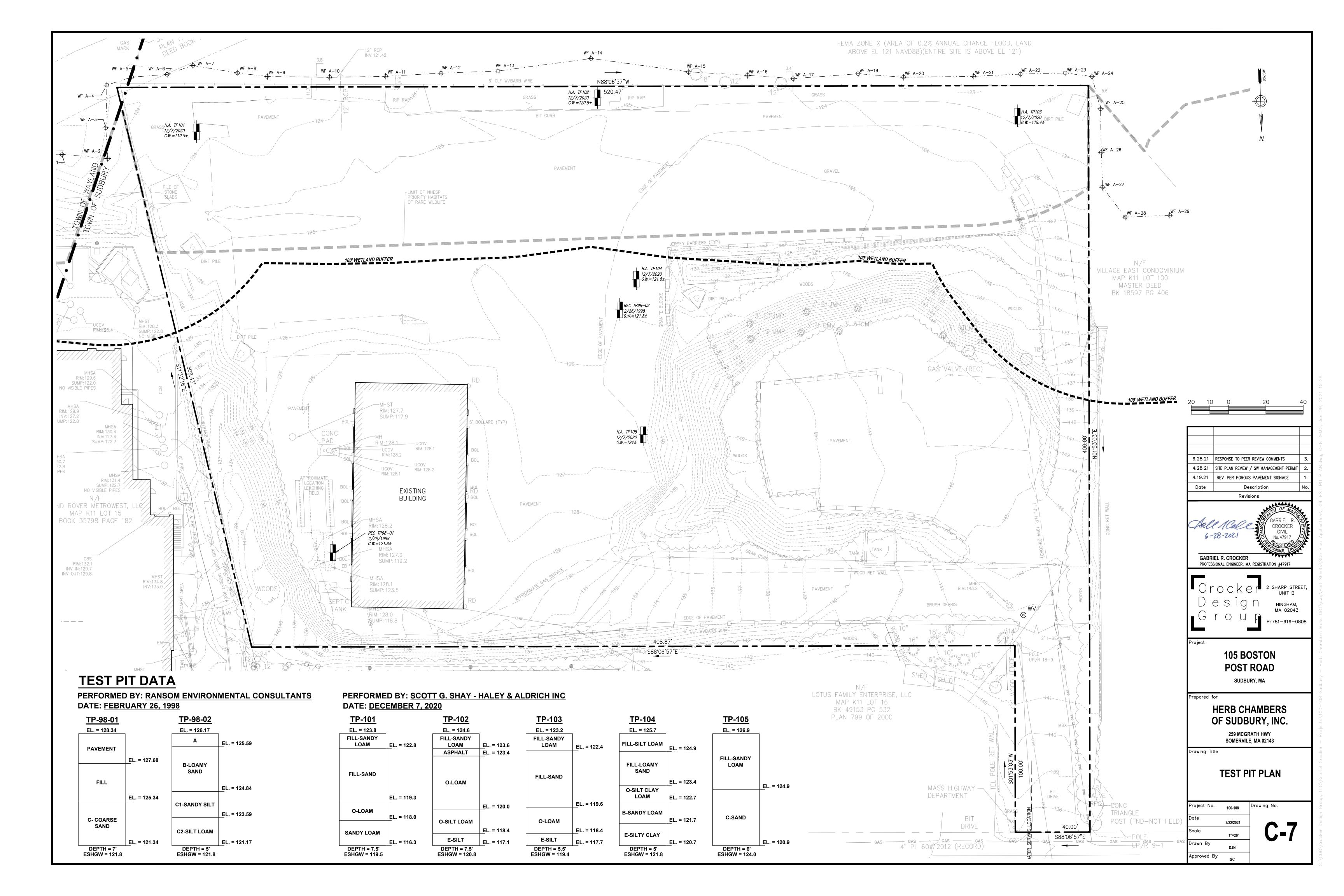
-IF PROJECT SCHEDULE REQUIRES SEEDING TO BE PERFORMED AFTER OCTOBER 15 UNTIL MARCH 31, THE FOLLOWING IS REQUIRED: AFTER HYDROSEEDING/SEEDING, THOSE VEGETATED AREAS WHICH HAVE A SLOPE EQUAL TO OR STEEPER THAN 4:1 SHALL BE COVERED WITH JUTE STAPLED IN PLACE PER MANUFACTURERS REQUIREMENTS. PRECAUTIONS SHALL BE TAKEN TO MINIMIZE DISTURBANCE OF THE HYDROSEED/SEED WHEN INSTALLING THE JUTE.*

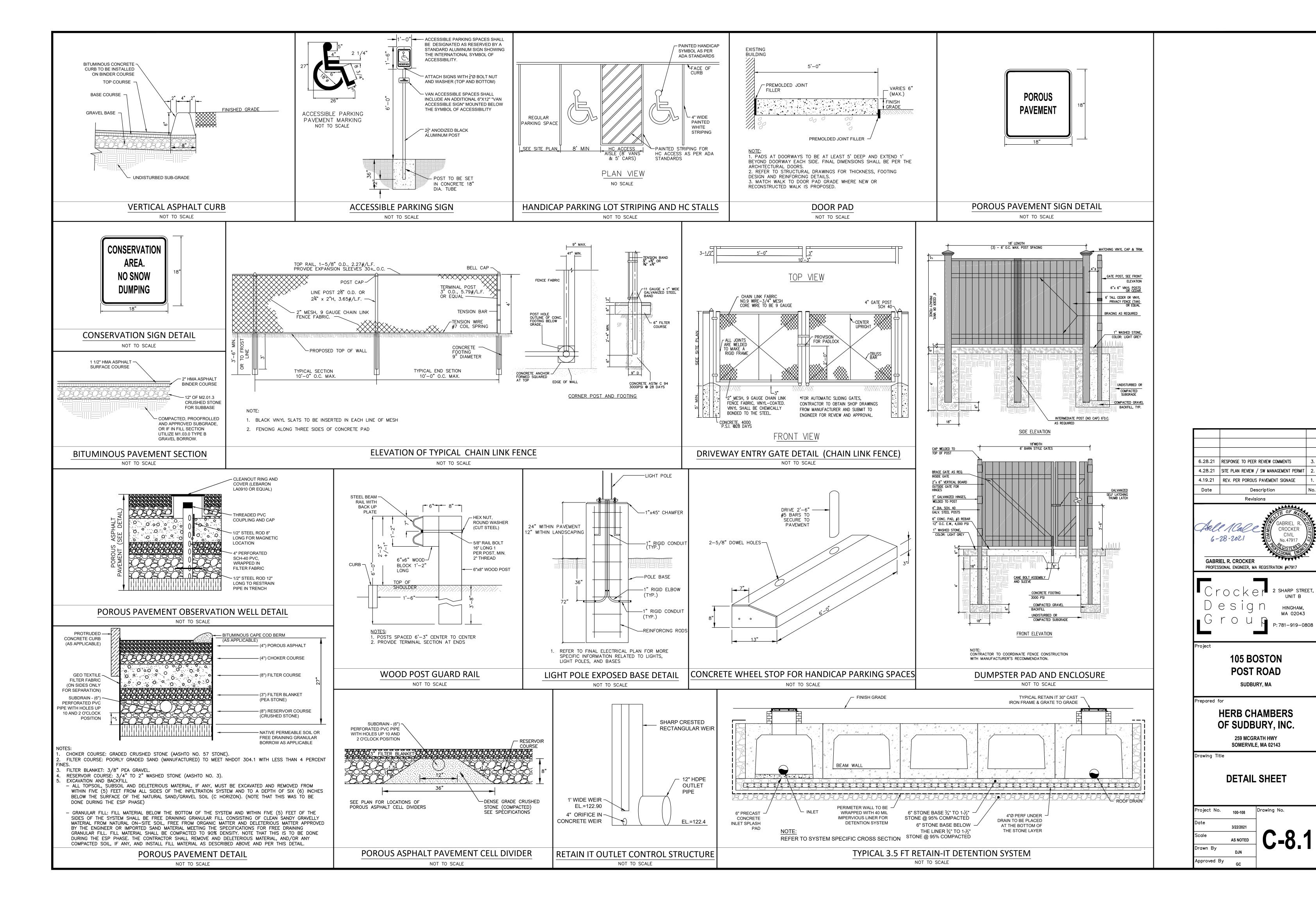
-HYDROSEEDING/ SEEDING MIXTURE: -TACKIFER: APPLY AT A RATE OF 60 GALLONS PER ACRE.

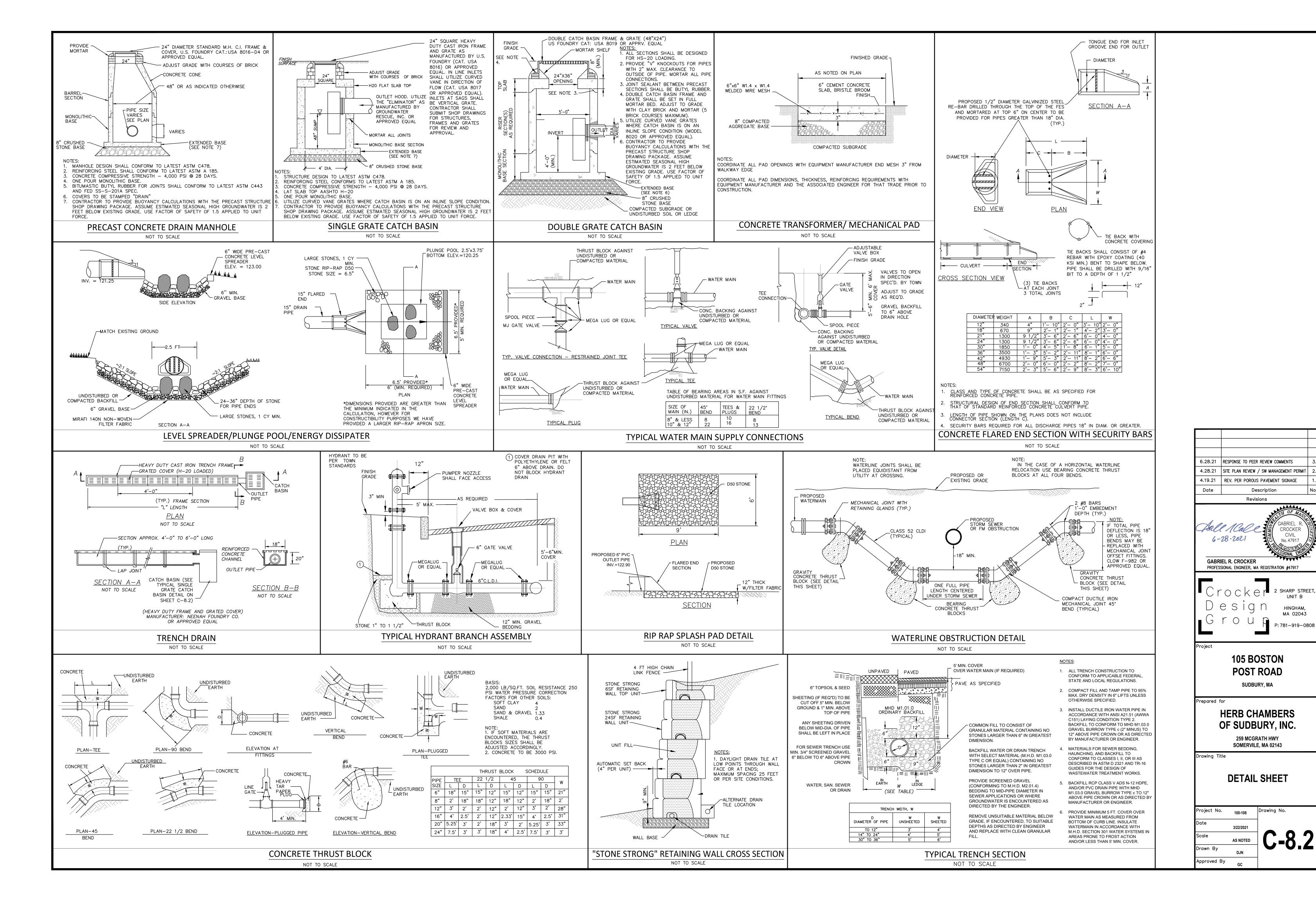
-WOOD CELLULOSE FIBER MULCH: APPLY AT A RATE OF 2,000 POUNDS PER ACRE. -APPLY FERTILIZER AND LIMESTONE AT RATES DETERMINED BY SOIL ANALYSIS

*STRAW MULCH AND NETTING ON SLOPES 3:1 OR GREATER IS NOT REQUIRED ON HYDROSEEDING OPERATIONS IF SLOPES ARE SPRAYED WITH A FIBER MATRIX MULCH, SUCH AS FLEXTERRA BY PROFILE PRODUCTS, LLC, HYDROSTRAW BFM BY HYDROSTATION, INC., OR APPROVED EQUAL, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.



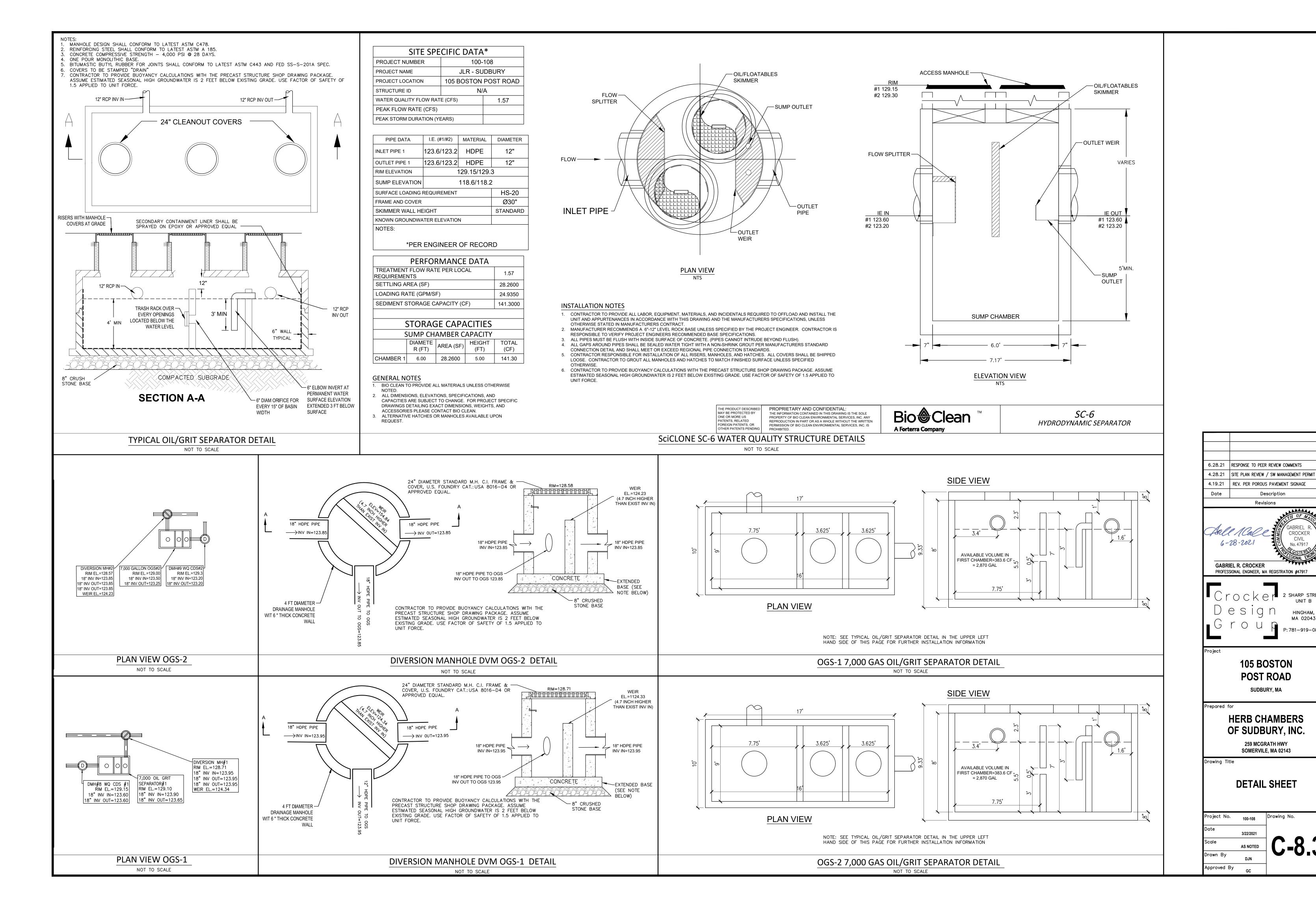






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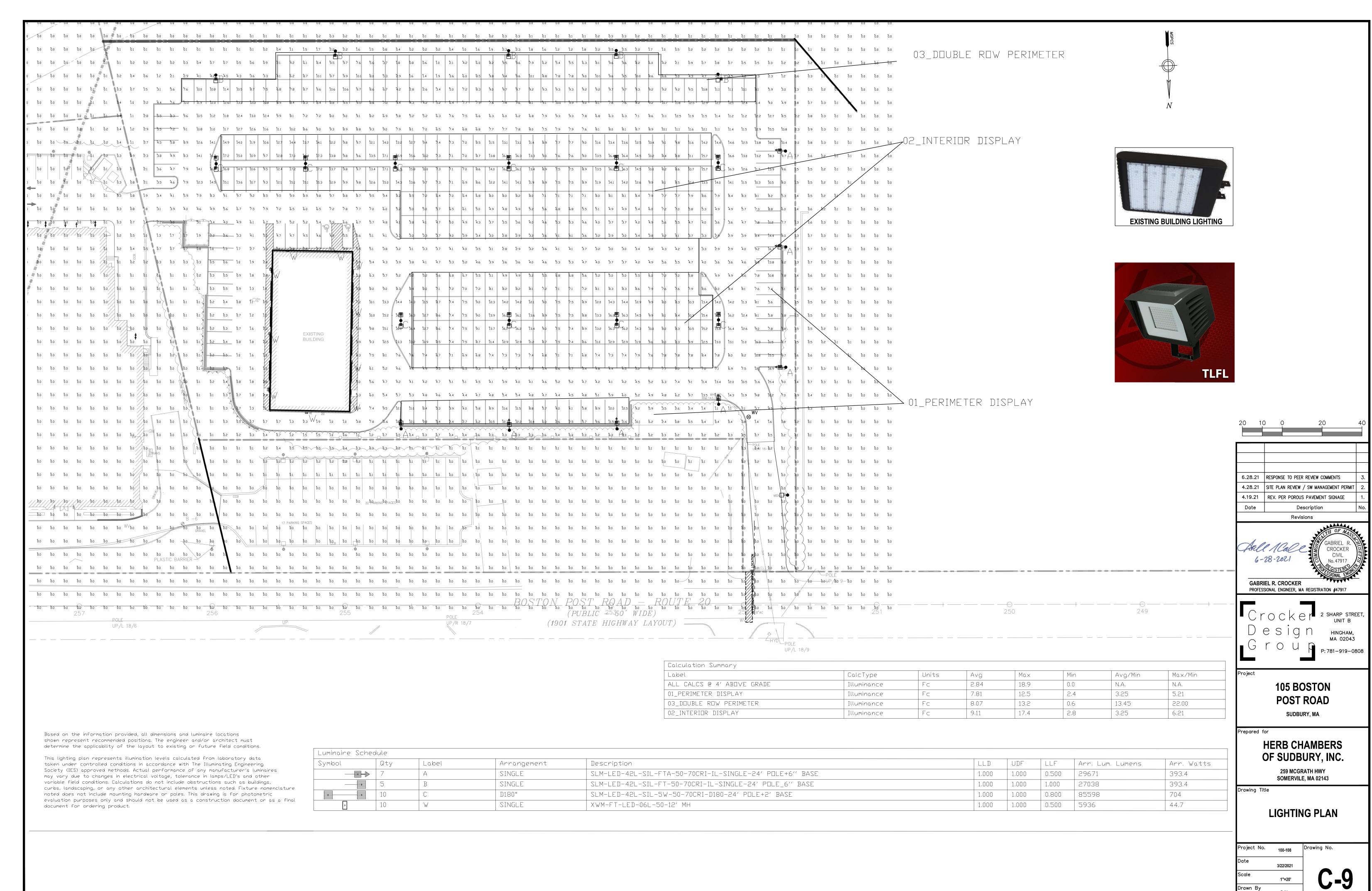
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C: \CDG\Crocker Design Group, LLC\Gabriel Crocker — Projects\100—108 Sudbury — Herb Chambers Mass DOT\dwg\Plot Sheets\Site Plan Application\, 13. LIGHTING PLAN.dwg,

Approved By

