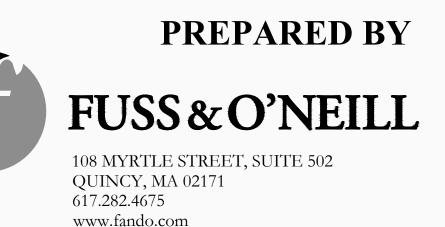
131 RUMFORD CANNABIS DISPENSARY

131 RUMFORD AVENUE, NEWTON, MA
PERMITTING PLANS

JULY 2, 2021

PREPARED FOR PHARMACANN

1140 LAKE STREET SUITE 304 OAK PARK, ILLINOIS



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PROJECT TEAM

ARCHITECT
INTERFORM

19 SOUTH LASALLE STREET SUITE 300
CHICAGO, ILLINOIS

LAND SURVEYOR

LAND SURVEYOR
CONTROL POINT ASSOCIATES
45 FRANKLIN STREET 5TH FLOOR
BOSTON, MA 02110
857-400-3311



LOCATION MAP

SCALE: 1" = 200'



PROJ. No.: 20190241.A12

DATE: 07/02/2021

GI-001

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A PLAN ENTITLED: "BOUNDARY AND TOPOGRAPHIC SURVEY" DATED 02/28/19, PREPARED BY CONTROL POINT ASSOCIATES, INC.

- 2. BASE MAP INFORMATION FOR CONTEXT MAP OBTAINED FROM MASSGIS OLIVER.
- 3. TOPOGRAPHIC ELEVATIONS ARE BASED ON NAVD88 DATUM.
- 4. THE SITE IS OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD BASED ON "FIRM, FLOOD RATE MAP, CITY OF NEWTON, MASSACHUSETTS, MIDDLESEX COUNTY," MAP NUMBER 25017C0551E, EFFECTIVE DATE 04/01/19.

<u>GENERAL NOTES</u>

MAP REFERENCE

- 1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- 2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
- 3. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT
- 4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDINGS AND ADJACENT SITE ELEMENTS INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
- 5. LOCATION OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE AS LOCATED BY FIELD SURVEY, PLANS OF RECORD, INFORMATION FURNISHED BY THE RESPECTIVE UTILITY COMPANIES, AND OTHER AVAILABLE SOURCES. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF ALL UTILITIES WHICH MAY EXIST AT THIS TIME WITHIN THE PREMISES SURVEYED. LOCATIONS SHOULD BE VERIFIED BY THE RESPECTIVE UTILITY COMPANY BEFORE BEING RELIED UPON. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
- 5.1. LOCATION AND INVERTS OF EXISTING UTILITIES SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
- 5.2. FUSS & O'NEILL MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. FUSS & O'NEILL FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. FUSS & O'NEILL HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE CONSTRUCTION, CALL DIG SAFE SYSTEMS FOR CLEARANCE.
- 6. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE FOR INSPECTION AT THE CONSTRUCTION SITE AT ALL TIMES.

REGULATORY REQUIREMENTS

TO ANY CONSTRUCTION.

REGULATIONS, ORDINANCES AND STATUTES.

- 1. WITHIN RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
- 2. AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
- 3. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 4. SECURE THE PROJECT SITE AND PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- 5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL
- 6. ALL TRENCH EXCAVATION SHALL COMPLY WITH MASSACHUSETTS GENERAL LAW CHAPTER 82A, TRENCH EXCAVATION SAFETY REQUIREMENTS, AND OSHA STANDARDS TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES OR EXCAVATIONS. TRENCH EXCAVATION PERMIT IS REQUIRED FOR ALL TRENCHES ON PUBLIC AND PRIVATE PROPERTY PRIOR
- 7. ALL TREE REMOVAL SHALL COMPLY WITH THE CITY OF NEWTON TREE ORDINANCE

<u>EARTHWORK</u>

- 1. CALL DIG-SAFE 811 OR 1-888-DIG-SAFE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
- 2. WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, PERFORM EARTHWORK OPERATIONS TO SUBGRADE ELEVATIONS. SEE DRAWINGS BY OTHERS FOR WORK ABOVE SUBGRADE.
- 3. PROTECT ALL SLOPES, VEGETATION, PAVING, WALKS, AND IMPROVEMENTS OUTSIDE THE AREAS TO BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
- 4. REFER TO EROSION AND SEDIMENTATION CONTROL DETAILS FOR EROSION AND SEDIMENTATION CONTROL NOTES.
- 5. CATCH BASINS WITHIN THE WORK AREA OR DOWN STREAM OF DRAINAGE FLOW SHALL BE
- PROTECTED WITH CATCH BASIN SILT SACKS.
- 6. WATER AND CALCIUM CHLORIDE MUST BE AVAILABLE AT ALL TIMES FOR DUST CONTROL.

<u>DEMOLITION</u>

- 1. REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS, UNLESS OTHERWISE NOTED.
- 2. THE DEMOLITION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.
- 3. TREES, BRUSH AND STUMPS REMOVED BY CLEARING & GRUBBING OPERATIONS SHALL BE TRANSPORTED OFF THE PROJECT SITE TO AN APPROVED DISPOSAL LOCATION.
- 4. ITEMS TO BE STOCKPILED ON-SITE FOR REUSE OR TO BE RELOCATED SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS. IF DAMAGED DURING CONSTRUCTION THEY SHALL BE REPLACED IN-KIND AT NO ADDITIONAL COST TO THE OWNER.

WORK RESTRICTIONS

1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT

APPROPRIATE PERMITS.

2. WORK IS RESTRICTED TO THE HOURS OF 7 AM TO 5 PM ON MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE OWNER.

CONSTRUCTION LAYOUT

- 1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
- 2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC
- 3. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
- 4. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
- 5. BE RESPONSIBLE FOR THE MAINTENANCE AND SAFETY OF TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
- 6. CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE

SITE RESTORATION

- 1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED. REQUIRED SEED MIX:
 - NEW ENGLAND WILDFLOWER MIX FROM NEW ENGLAND WETLAND PLANTS, INC. TEL 413.548.800 (OR APPROVED EQUAL)
- 2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER. 3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS OUTSIDE OF THE WORK AREA TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

- 1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
- 2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
- 3. IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
- 4. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
- 5. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
- 6. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER
- 7. COORDINATE WITH UTLITY COMPANIES FOR THE REMOVAL/RELOCATION OF OVERHEAD WIRE AND
- 8. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF DRAINAGE AND UTILITIES WITHIN 10 FEET OF BUILDING FOOTPRINT.
- 9. NOTIFY ABUTTING PROPERTY OWNERS AND THE CITY OF NEWTON A MINIMUM OF 5 BUSINESS DAYS PRIOR TO DISRUPTION OF UTILITY SERVICE.
- 10. ALL WATER SERVICE AND SEWER SERVICE CONNECTIONS SHALL BE COORDINATED WITH THE CITY OF

EROSION AND SEDIMENT CONTROL

1. DISTURBANCE OF SOIL SURFACES IS REGULATED BY STATE LAW AND LOCAL ORDINANCE. WORK SHALL COMPLY WITH THE FOLLOWING CRITERIA TO PREVENT OR MINIMIZE SOIL EROSION.

NEWTON DEPARTMENT OF PUBLIC WORKS AND WATER DEPARTMENT.

- 2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLAN. MAINTAIN EROSION CONTROL DEVICES IN EFFECTIVE CONDITION DURING CONSTRUCTION.
- 3. INSTALL, INSPECT, MAINTAIN, AND/OR REPLACE TEMPORARY AND PERMANENT EROSION CONTROL DEVICES TO ENSURE PROPER OPERATION IN A TIMELY MANNER THROUGHOUT THE LIFE OF THE PROJECT. MAINTAIN PERMANENT MEASURES UNTIL CONSTRUCTION OF THE PROJECT IS COMPLETED
- 3.1. STABILIZE DISTURBED AREAS WITHIN 30 FEET OF RESOURCE AREAS WITHIN 7 DAYS OF ACHIEVING FINAL GRADES. AREAS THAT HAVE NOT ACHIEVED FINAL GRADES BUT WILL REMAIN INACTIVE FOR 7 DAYS SHALL BE TEMPORARY STABILIZED.
- 4. INSPECT EROSION AND SEDIMENT CONTROLS DAILY AND REMOVE ACCUMULATED SEDIMENTS AS NEEDED. REPAIR OR CORRECT ANY ISSUES, AND NOTIFY THE CONSERVATION COMMISSION IMMEDIATELY.

OR UNTIL IT IS ACCEPTED BY THE OWNER. DISPOSE OF SEDIMENT IN AN UPLAND AREA.

- 5. MAINTAIN A STOCKPILE OF ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES ON SITE AT ALL TIMES. AT A MINIMUM. MAINTAIN A STOCKPILE OF AT LEAST 100 FEET OR 10% OF THE TOTAL AMOUNT OF DEVICES CURRENTLY DEPLOYED AT THE SITE, WHICHEVER IS GREATER.
- 6. CLEAN ROADS, CONTROL DUST, AND TAKE NECESSARY MEASURES TO ENSURE THAT THE SITE AND ALL ROADS BE MAINTAINED IN A MUD- AND DUST-FREE CONDITION AT ALL TIMES THROUGHOUT THE LIFE OF THE CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, WATER AND/OR CRUSHED STONE OR COARSE GRAVEL, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 7. VEHICLE TRAFFIC ENTERING OR EXITING THE PROJECT SITE SHALL PASS OVER CONSTRUCTION ENTRANCE(S). MAINTAIN THE CONSTRUCTION ENTRANCE(S) IN A CONDITION THAT WILL PREVENT

- TRACKING OR FLOWING OF SEDIMENT ONTO THE SURROUNDING ROADWAYS. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE SURROUNDING ROADWAYS MUST BE REMOVED
- 8. INSTALL PERIMETER SEDIMENT CONTROL BARRIERS AS SHOWN ON THE SITE PLANS OR AS MAY BE REQUIRED TO PREVENT SEDIMENT FLOW TO STORM DRAINS OR SURFACE WATERS. A ROW OF STAKED HAYBALES OR A SILT FENCE SHALL ALSO BE INSTALLED AROUND ANY SOIL STOCKPILE AREAS. CLEANOUT OF ACCUMATED SEDIMENT BEHIND PERIMETER SEDIMENT CONTROL BARRIER IS NECESSARY IF ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER BECOMES FILLED WITH SEDIMENT. REPLACE BARRIER IMMEDIATELY IF BARRIER DECOMPOSED OR BECOMES INEFFECTIVE.
- 9. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR
- 10. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS. OUTSIDE OF THE GROWING SEASON, ONLY WOOD MULCH SHALL BE USED.
- 11. PERMANENT VEGETATIVE COVER SHALL BE APPLIED TO ALL DISTURBED AREAS THAT HAVE REACHED FINISHED GRADE AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS PERMANENTLY CEASED. THE RÉCOMMENDED PERMANENT SEEDING DATES ARE APRIL 1 TO JUNE 15 AND AUGUST 15 TO SEPTEMBER 30.
- LIMESTONE AND FERTILIZER SHALL BE APPLIED ACCORDING TO SOIL TEST RECOMMENDATIONS OFFERED BY THE UNIVERSITY OF MASSACHUSETTS SOIL TESTING LABORATORY. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11.5 POUNDS PER 1,000 SQUARE FEET OF 10-20-20 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AS FOLLOWS: 4 TONS PER ACRE (OR 180 POUNDS PER 1,000 SQUARE FEET) FOR CLAY, CLAY LOAM AND HIGH ORGANIC SOIL; 3 TONS PER ACRE (OR 135 POUNDS PER 1,000 SQUARE FEET) FOR SANDY LOAM, LOAM, OR SILT LOAM; AND 2 TONS PER ACRE (OR 90 POUNDS PER 1,000 SQUARE FEET) LOAMY SAND OR SAND.
- 12. EXISTING OR PROPOSED STORMWATER DRAINAGE STRUCTURES THAT MAY BE SUBJECT TO SEDIMENTATION SHALL BE PROTECTED WITH STAKED HAYBALES, SILT FENCE, SILT SACKS, OR OTHER APPROVED MEASURES THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
- 13. WASTE DISPOSAL: MATERIALS WHICH COULD BE A POTENTIAL SOURCE OF STORMWATER POLLUTION SUCH AS GASOLINE, DIESEL FUEL, HYDRAULIC OIL, ETC., SHALL BE STORED AT THE END OF EACH DAY IN A STORAGE TRAILER OR COVERED LOCATION AND TAKEN OFF-SITE AND PROPERLY DISPOSED OF. ALL TYPES OF WASTE GENERATED AT THIS SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH STATE LAW AND/OR REGULATIONS.
- 14. CONTROL OF ALLOWABLE NON-STORMWATER DISCHARGES: IF ALLOWABLE NON-STORM WATER DISCHARGES ARE OCCURRING AT THE SITE, SUCH DISCHARGES SHALL BE VISUALLY OBSERVED AND RECORDED. THE LIST OF EXPECTED SOURCES OF ALLOWABLE NON-STORM WATER DISCHARGES FOR THIS PROJECT ARE AS FOLLOWS: (1) DISCHARGE FROM VEHICLE WASHDOWN WHERE NO DETERGENTS ARE USED, (2) EXTERNAL BUILDING WASHDOWN WHERE NO DETERGENTS ARE USED, (3) THE USE OF WATER TO CONTROL DUST, (4) FIRE HYDRANT FLUSHINGS, (5) LAWN WATERING, (6) POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS, (7) IRRIGATION DRAINAGE, (8) PAVEMENT WASHWATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIALS HAVE BEEN REMOVED) AND WHERE NO DETERGENTS ARE USED, AND (9) FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS SUCH AS SOLVENTS OR CONTAMINATED BY CONTACT WITH SOILS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAS OCCURRED.
- 15. GOOD HOUSEKEEPING: THE PROJECT SITE SHALL PROVIDE FOR THE MINIMIZATION OF EXPOSURE OF CONSTRUCTION DEBRIS (INCLUDING, BUT NOT LIMITED TO, INSULATION, WIRING, PAINTS AND PAINT CANS, SOLVENTS, WALL BOARD, ETC.) TO PRECIPITATION BY MEANS OF DISPOSAL AND/OR PROPER SHELTER OR COVER. CONSTRUCTION WASTE MUST BE PROPERLY DISPOSED OF IN ORDER TO AVOID EXPOSURE TO PRECIPITATION AT THE END OF EACH WORKING DAY.
- 16. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER

- 1. BEFORE REQUESTING A CERTIFICATE OF OCCUPANCY, SUBMIT AN AS-BUILT PLAN TO THE CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS — ENGINEERING DIVISION IN BOTH DIGITAL AND PAPER FORMAT. THE PLAN SHALL SHOW ALL UTILITIES AND FINAL GRADES, ANY EASEMENTS AND IMPROVEMENTS AND LIMITS OF RESTORATION. THE PLAN SHALL INCLUDE PROFILES OF THE VARIOUS NEW UTILITIES INCLUDING BUT NOT LIMITED TO RIM & INVERT ELEVATIONS (CITY OF NEWTON DATUM), SLOPES OF PIPES, PIPE MATERIALS, AND SWING TIES FROM PERMANENT BUILDING CORNERS. THE AS-BUILT SHALL BE STAMPED BY BOTH A MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER AND REGISTERED PROFESSIONAL LAND SURVEYOR. UPON RECEIPT OF THE AS-BUILT PLAN, THE ENGINEERING DIVISION SHALL PERFORM A FINAL SITE INSPECTION AND MAKE A DETERMINATION TO ISSUE A CERTIFICATE OF OCCUPANCY.
- 2. ALL SITE WORK INCLUDING TRENCH RESTORATION, SIDEWALK, CURB APRON AND LOAM BORDER (WHERE APPLICABLE) SHALL BE COMPLETED BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED.

<u>ABBREVIATIONS</u>

BC BOTTOM OF CURB

воттом

BOTTOM OF WALL

C.L.D.I.P. CEMENT LINED DUCTILE IRON PIPE

DRAINAGE MANHOLE

CATCH BASIN

ELEV ELEVATION

FINISHED FLOOR FINISHED GRADE

HDPE HIGH DENISTY POLYETHYLENE

HYD HYDRAN1

INVERT INV MAXIMUM

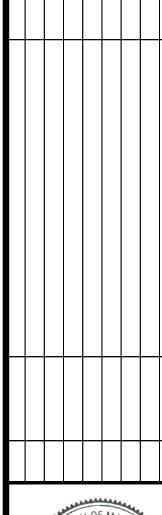
MINIMUM

 OHW OVERHEAD WIRE PVC POLYVINYL CHLORIDE

SANITARY SEWER MANHOLE TOP OF CUBR

TOP OF FRAME

TOP OF WALL TYPICAL







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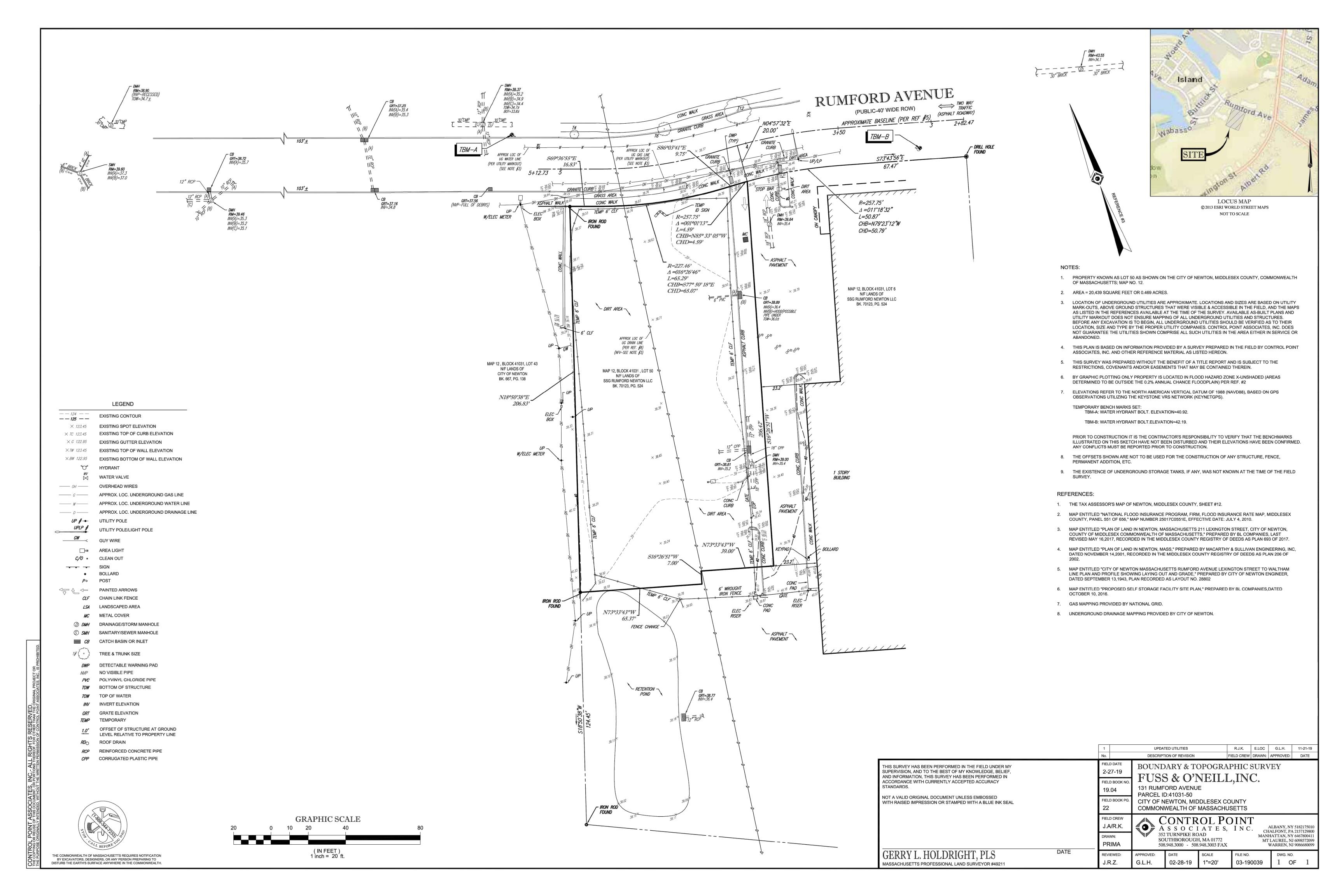


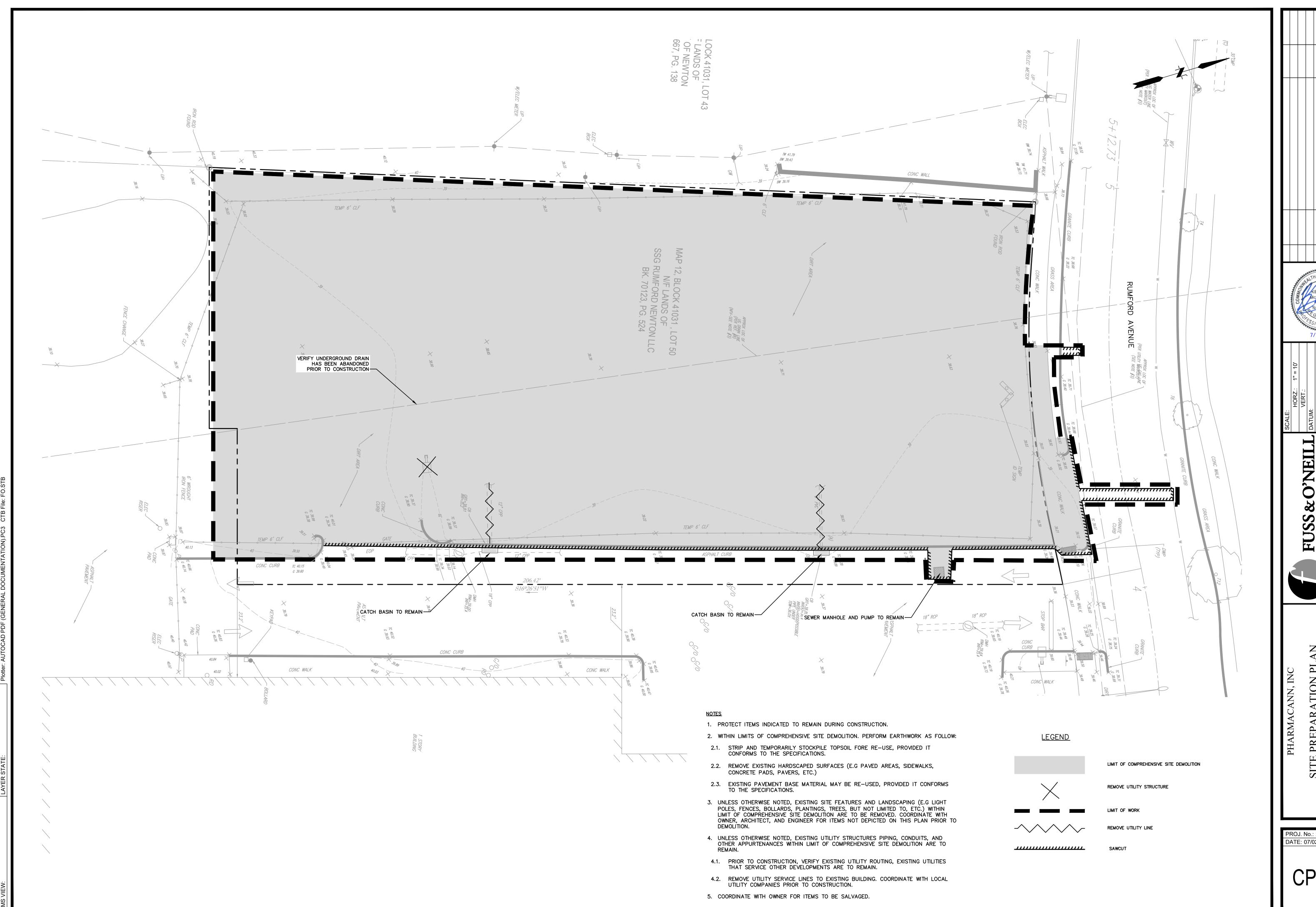
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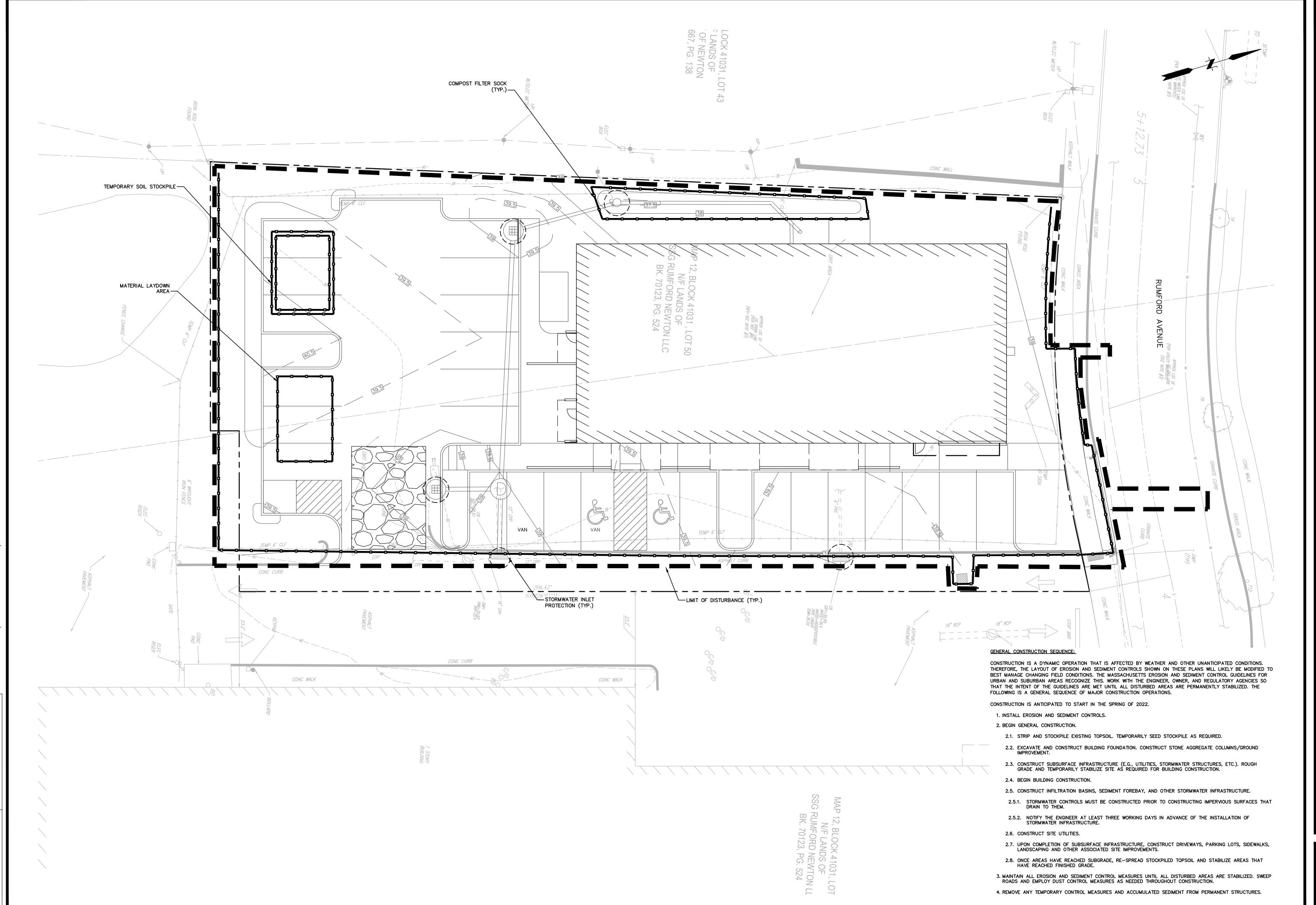
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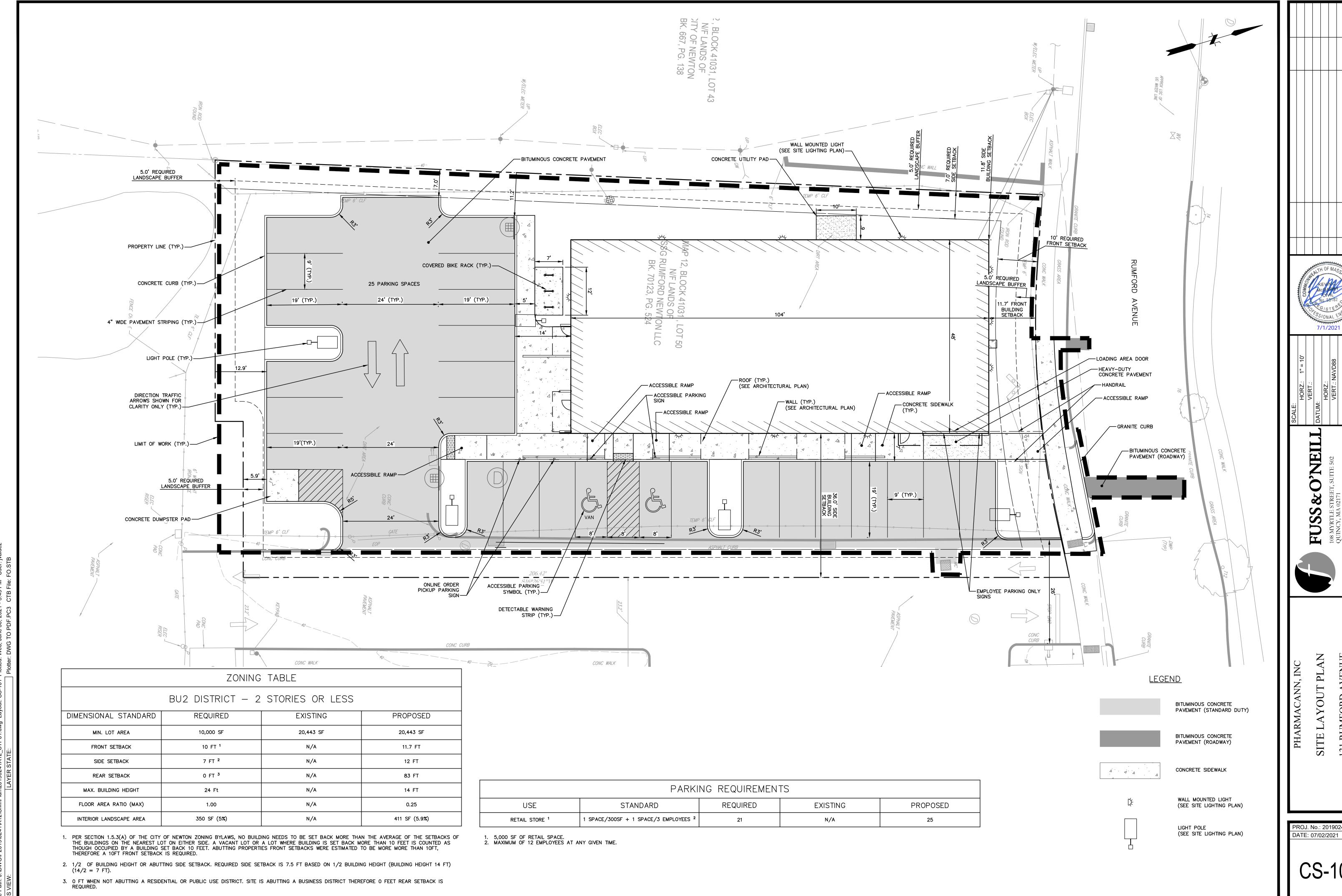






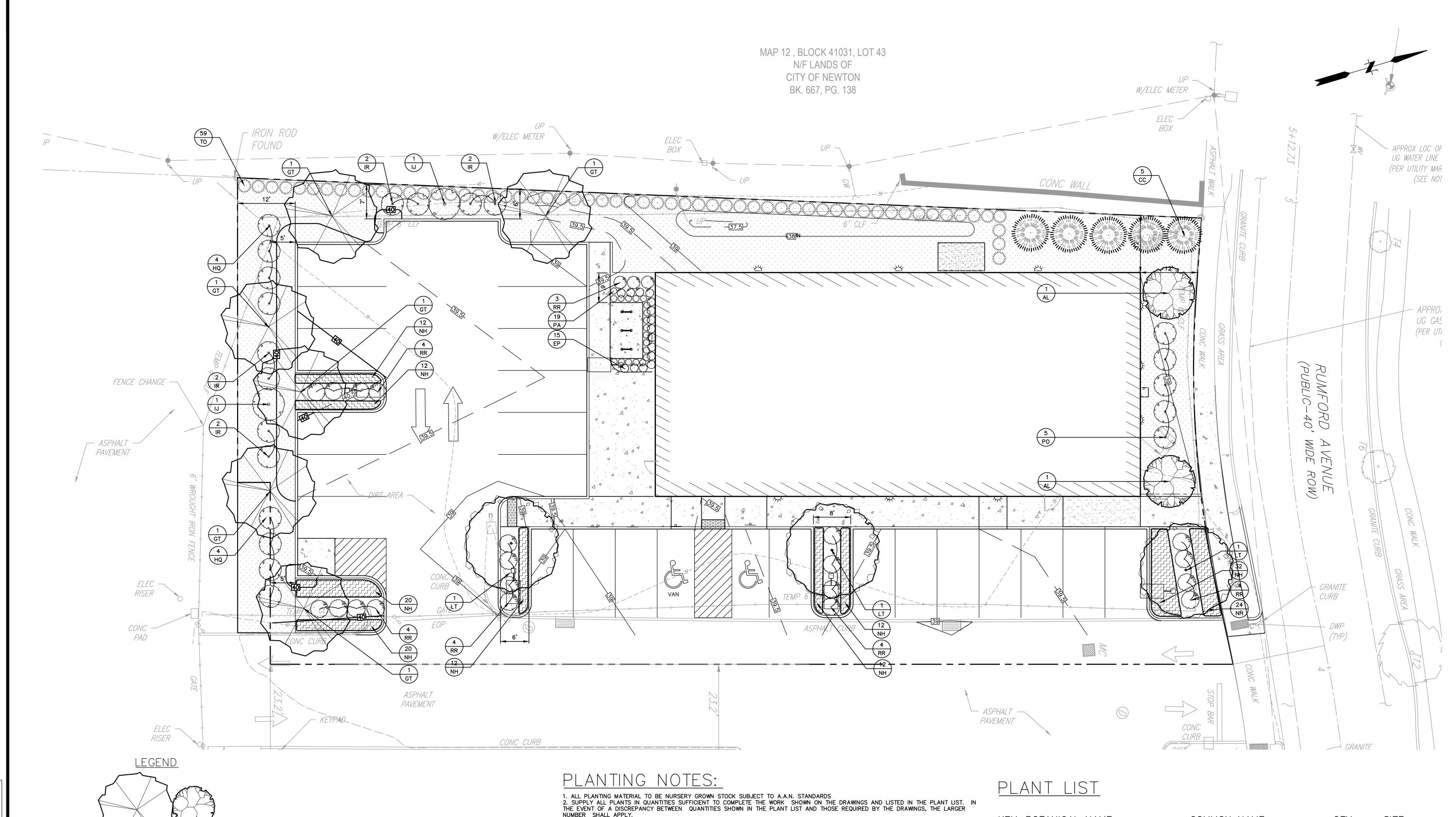
PREPARATION





FUSS & O'NEILL GRADING AND DRAINAGE PROJ. No.: 20190241.A12 DATE: 07/02/2021

CG-101



3. ALL PLANTS SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE LOCATED ON SITE FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT. ANY INSTALLATIONS WHICH WERE NOT APPROVED BY THE LANDSCAPE ARCHITECT AND WHICH ARE SUBSEQUENTLY REQUESTED TO BE MOVED WILL BE DONE AT THE CONTRACTORS EXPENSE.

4. PRECISE LOCATION OF THE PROPERTY OF THE PLANT ARE TO BE FIELD STAKED AND SHALL BE SUBJECT TO THE REQUIREMENTS SPECIFIED IN THE PREVIOUS NOTE.

5. ALL SHRUB MASSINGS AND TREE PITS SHALL BE MULCHED TO A DEPTH OF 3" WITH SHREDDED BARK MULCH.
6. TREES SHALL NOT BE STAKED UNLESS OTHERWISE NOTED. 7. BE RESPONSIBLE FOR ANY DAMAGED VEGETATION AND SHALL REPLACE OR REPAIR ANY DAMAGED MATERIAL, AT HIS OWN EXPENSE. THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT 811 PRIOR TO CONSTRUCTION. 8. ALL SHRUB AND GROUNDCOVER PLANTING AREAS SHALL HAVE CONTINUOUS BEDS OF TOPSOIL 12" DEEP. ALL SOD AND HYDROSEED AREAS SHALL HAVE A MINIMUM TOPSOIL BED OF 6".

9. BE RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD. WHERE PLANT MATERIAL MAY INTERFERE WITH UTILITIES, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT TO COORDINATE THEIR INSTALLATION. 10. FOR PLANTING SOIL MIX, SEE SPECIFICATIONS OR PLANTING DETAILS. 11. ALL EXISTING RILL, GULLY OR CHANNEL EROSION SHALL BE FILLED WITH APPROPRIATE BACKFILL MATERIAL, FINE RAKED, SCARIFIED AND STABILIZED WITH APPROPRIATE VEGETATIVE MATERIAL AND / OR APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES.

12. ADJUSTMENTS IN THE LOCATION OF THE PROPOSED PLANT MATERIAL AS A RESULT OF EXISTING VEGETATION TO REMAIN SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. 13. BE RESPONSIBLE FOR ALL MAINTENANCE REPAIR AND REPLACEMENT OF PLANT MATERIAL, AS REQUIRED, FOR THE DURATION OF THE PROJECT AND SUBSEQUENT WARRANTY PERIOD.

14. PLANTINGS INSTALLED IN THE DRY SUMMER MONTHS AND / OR LAWN SEEDED OUT OF SPRING OR FALL PERIODS, IF ALLOWED BY OWNER, WILL REQUIRE AGGRESSIVE IRRIGATION PROGRAMS AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE DIRECTED BY THE OWNER. 15. UPON COMPLETION OF PLANTING, REMOVE FROM SITE ALL EXCESS SOIL, MULCH, AND MATERIALS AND DEBRIS RESULTING FROM WORK OPERATIONS. CLEAN UP SHOULD BE COMPLETED AT THE END OF EACH WORKING DAY. RESTORE TO ORIGINAL CONDITIONS ALL DAMAGED PAVEMENTS, PLANTING AREAS, STRUCTURES AND LAWN AREAS RESULTING FROM LANDSCAPING OPERATIONS.

16. SURVEY, LOCATE, AND PROTECT ALL TREES WITHIN AREAS SHOWN AS "EXISTING VEGETATION TO REMAIN" WITHIN THE DEVELOPMENT ENVELOPE FOR REVIEW BY L.A. PRIOR TO CLEARING OPERATIONS. 17.RESEED ALL DISTURBED AREAS.

<u>PLANT LIST</u>				
<u>KEY</u>	BOTANICAL NAME	COMMON NAME	QTY.	<u>SIZE</u>
	<u>TREES</u>			
AL	AMELANCHIER LAEVIS 'SPRING FLURRY'	SPRING FLURRY SERVICEBERRY	2	2"-2.5" CAL
СС	COTINUS COGGYGRIA 'ANCOT'	GOLDEN SPIRIT SMOKE TREE	5	2'-3' HT.
GT	GLEDITSIA TRIACANTHOS 'CHRISTIE'	HALKA HONEYLOCUS	6	2"-2.5" CAL.
LT	LIRIODENDRON TULIPIFERA 'LITTLE VOLUNTEER'	TULIP POPLAR 'LITTLE VOLUNTEER'	3	2.5"-3" CAL.
	<u>SHRUBS</u>			
HQ	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS'	RUBY SLIPPERS OAKLEAF HYDRANGEA	8	5 GAL.
IJ	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY HOLLY	2	5 GAL.
IR	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	8	5 GAL.
PO	PHYSOCARPUS OPULIFOLIUS 'DONNA MAY'	LITTLE DEVIL NINEBACK	5	5 GAL.
RR	ROSA X 'RADWHITE'	WHITE KNOCK OUT SHRUB ROSE	23	5 GAL.
ТО	THUJA OCCIDENTALIS 'SMARAGD'	'SMARAGD' AMERICAN ARBORVITAE	59	3'-4' HT.
	GRASSES / PERENNIALS / GROUNDCOVERS			
EP	ECHINACEA X 'FIREBIRD'	FIREBIRD ECHINACEA	15	2 GAL.
NH	NEPETA X HYBRID 'CAT'S PAJAMAS'	CATS PAJAMAS CATMINT	156	1 GAL.
PA	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY DWARF FOUNTAIN GRASS	19	1 GAL.

APE ANDSCA

NEILL

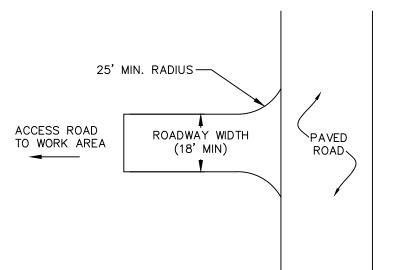
PROJ. No.: 20190241.A12 DATE: 07/02/2021

PROPOSED TREE

PROPOSED SHRUB

PROPOSED PERENNIAL MASSING

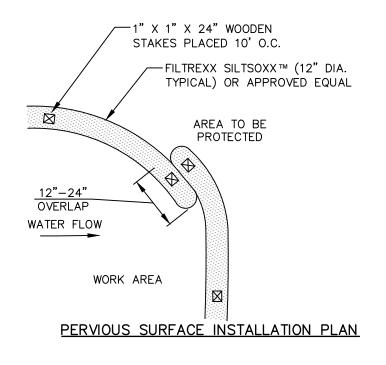
PROPOSED PLANT QUANTITY & TYPE



CONSTRUCTION ENTRANCE

SCALE: N.T.S.

1" X 1" X 24" WOODEN STAKES PLACED 10' O.C. — FILTREXX SILTSOXX™ (12" DIA. OPTIONAL BACKFILL — TYPICAL) OR APPROVED EQUAL WORK AREA AREA TO BE PROTECTED PERVIOUS SURFACE INSTALLATION SECTION



- 1. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
- 2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

COMPOST FILTER SOCK

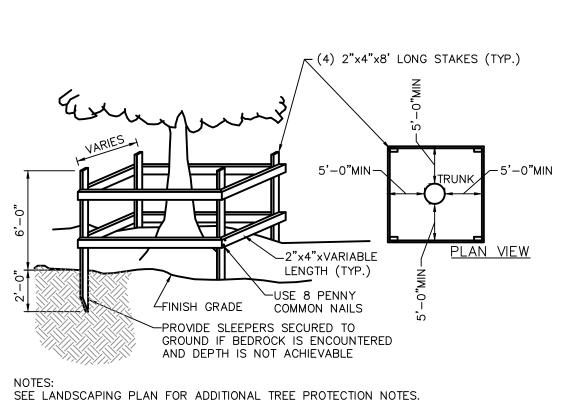
SCALE: N.T.S.

— SURROUND AREA WITH DOUBLE ROW OF PERIMETER CONTROLS -LIMIT OF TEMPORARY STOCKPILE

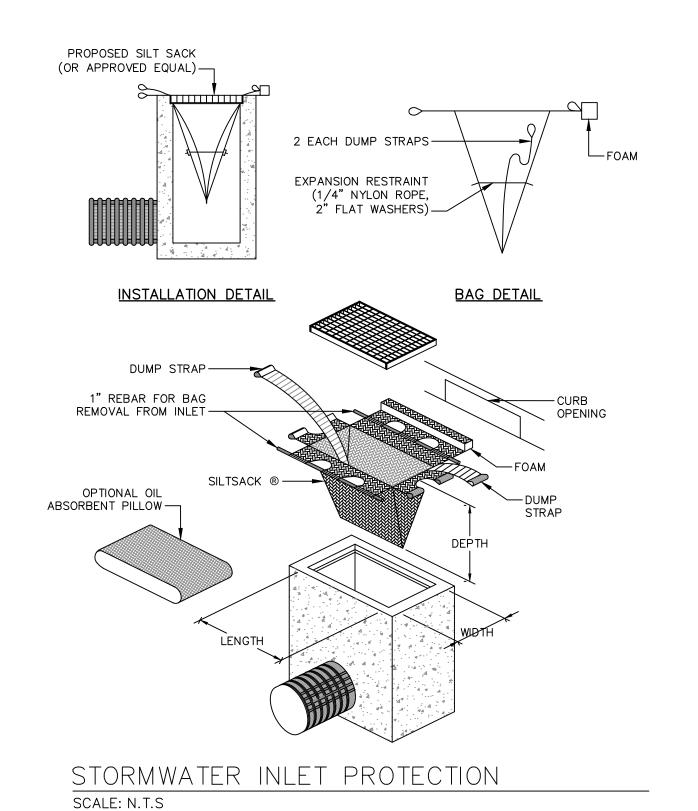
SOIL STOCKPILE AREA SOALEO SCALE

EQUIPMENT ACCESS

RESTORE PERIMETER CONTROLS
ACROSS EQUIPMENT ACCESS AT
THE END OF EACH WORKING DAY



TEMPORARY TREE PROTECTION SCALE: N.T.S.



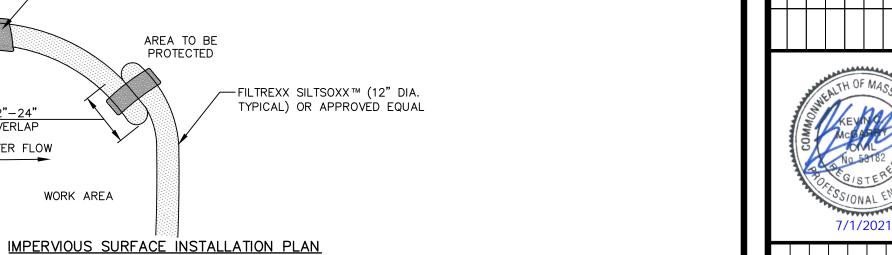
SAND BAG — FILTREXX SILTSOXX™ (12" DIA. OPTIONAL BACKFILL — TYPICAL) OR APPROVED EQUAL WORK AREA AREA TO BE PROTECTED INPERVIOUS SURFACE INSTALLATION SECTION

—— SANDBAG EVERY 10 FEET ±.

12"-24" OVERLAP

WATER FLOW

WORK AREA



NEILL FUSS

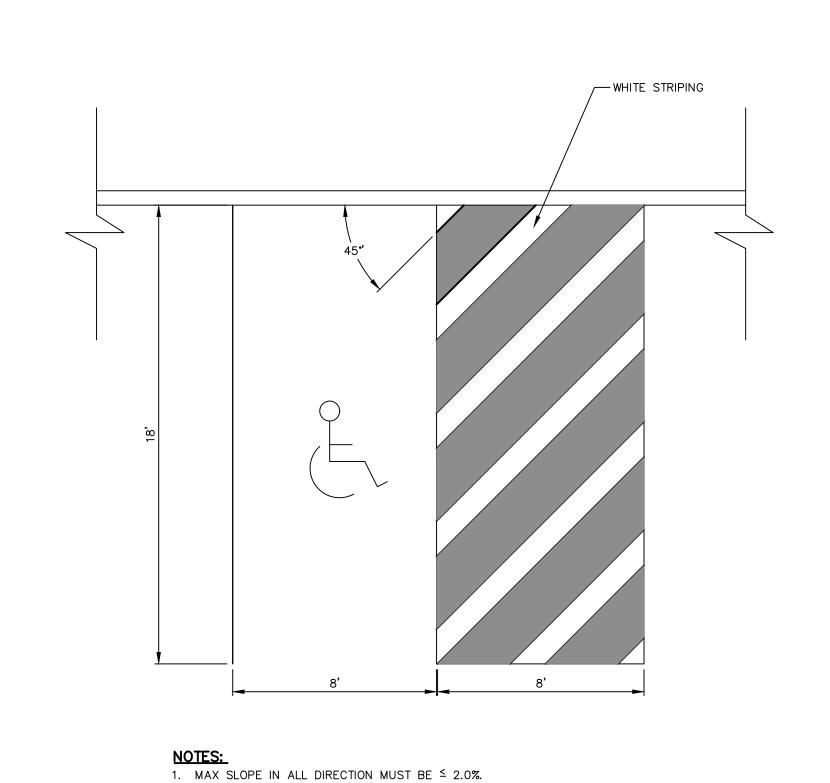


I AND SEDIMENT (DETAILS

PROJ. No.: 20190241.A12

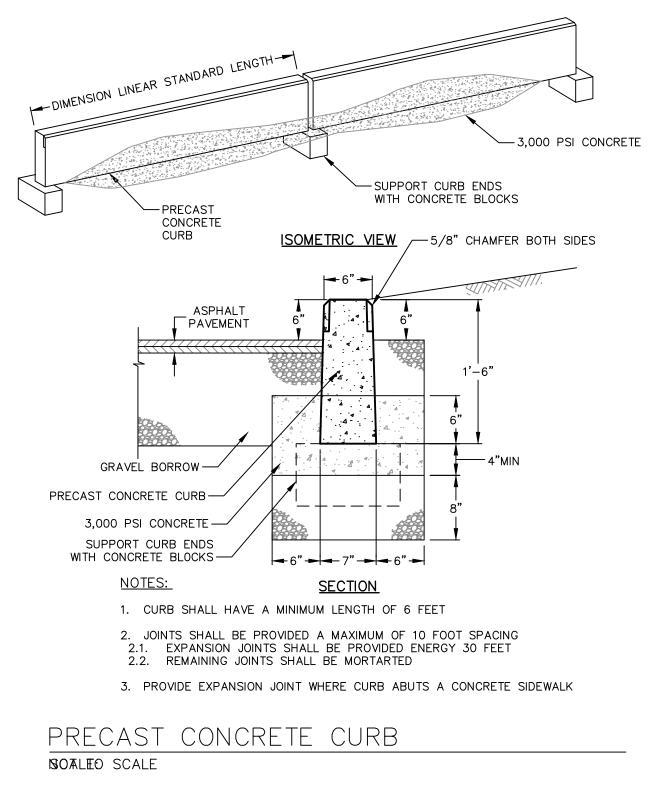
CD-501

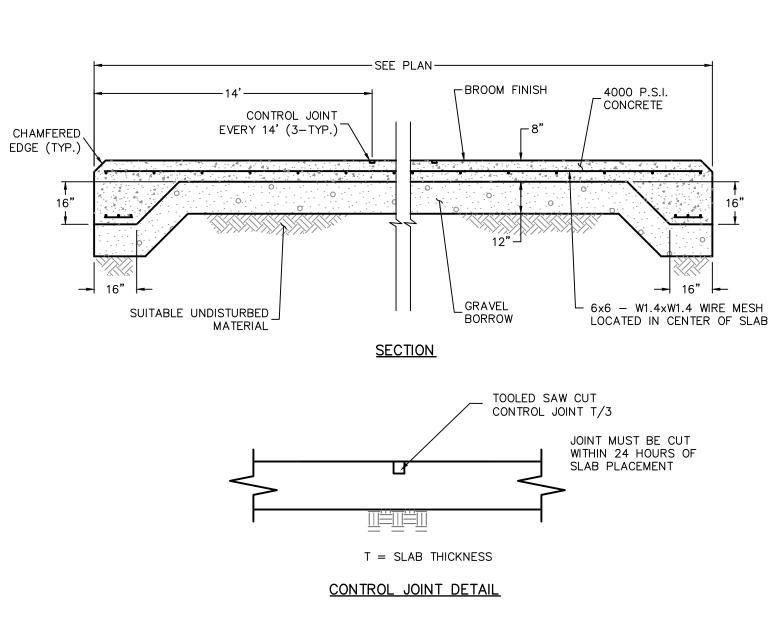
DATE: 07/02/2021

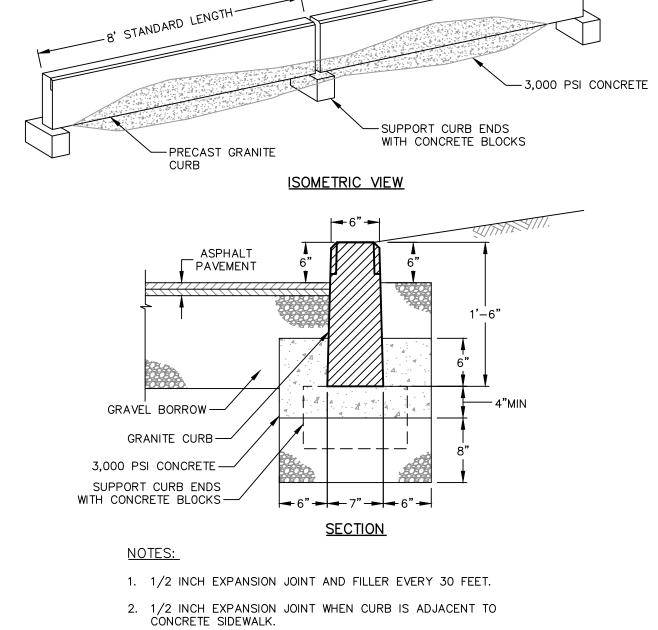


HANDICAP PARKING STALL LAYOUT

SCALE: N.T.S.

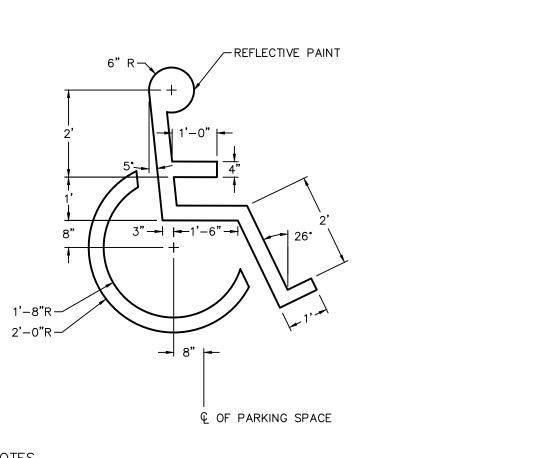


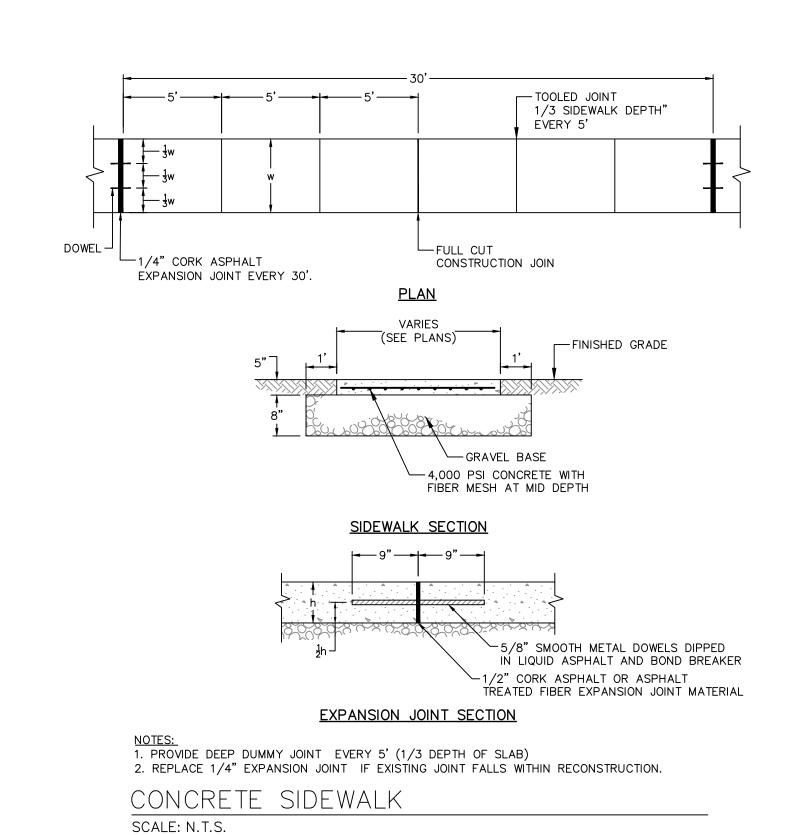


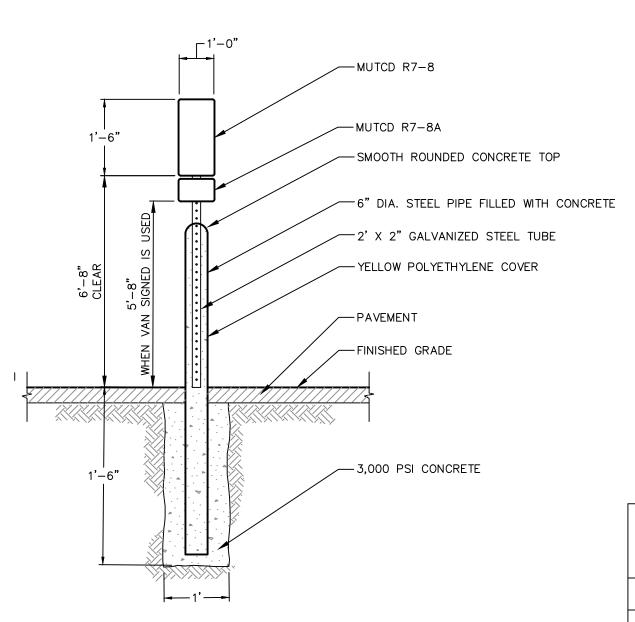


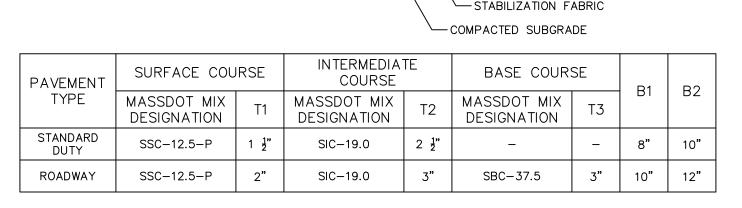












ACCESSIBLE	PARKING	SIGN	POST	
SCALE: N.T.S.	1 / (((((((((((((((((((01011		

BITNUMINOUS	CONCRETE	PAVEMENT
SCALE: N.T.S.		

NOTES

1. SYMBOL PAINTED HIGHWAY WHITE (TWO COATS) ACCESSIBLE PARKING SYMBOL SCALE: N.T.S.

-SURFACE COURSE --- INTERMEDIATE COURSE -TACK COAT —BASE COURSE GRAVEL BORROW PROCESSED GRAVEL STABILIZATION FABRIC

> PROJ. No.: 20190241.A12 DATE: 07/02/2021

DETAIL

7/1/2021

KEILL

FUSS

NOTES:

1. SEE MASSDOT CONSTRUCTION STANDARD E107.6.5

DETECTABLE WARNING STRIP SCALE: N.T.S.

ROADWAY

PROFILE GRADE

=0%

>0% TO 1%

>1% TO 2%

>2% TO 3%

>3% TO 4%

>4% TO 5%

* BASED ON A DESIGN SLOPE OF

7.5% AND A REVEAL OF 6".

* HIGH SIDE

TRANSITION LENGTH

ENGLISH

UNITS

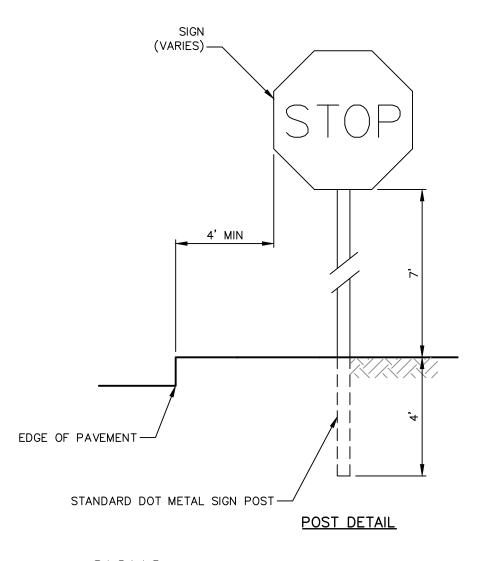
6'-6"

7'-8"

9'-0"

11'-0" 14'-0"

15'-0" MAX



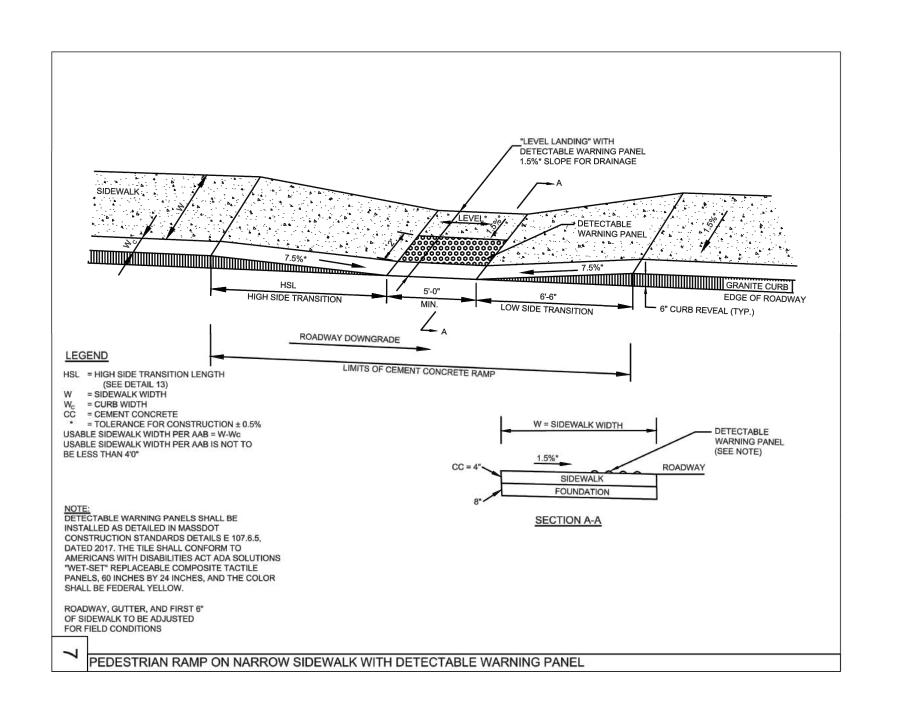
SIGN GRAPHIC	SIGN NAME	SIZE	MUTCD REFERENCE
RESERVED PARVUNG	ACCESSIBLE PARKING SIGN	12"X18"	R7-8
YAN .	VAN ACCESSIBLE SIGN	18"X9"	R7-8P
EMPLOYEE PARKING ONLY	EMPLOYEE PARKING SIGN	12"X18"	N/A
ONLINE ORDER PICK UP PARKING	ONLINE ORDER PICK UP PARKING SIGN	12"X18"	N/A

SIGNS SCALE: N.T.S.

ACCESSIBLE RAMP

SCALE: N.T.S.

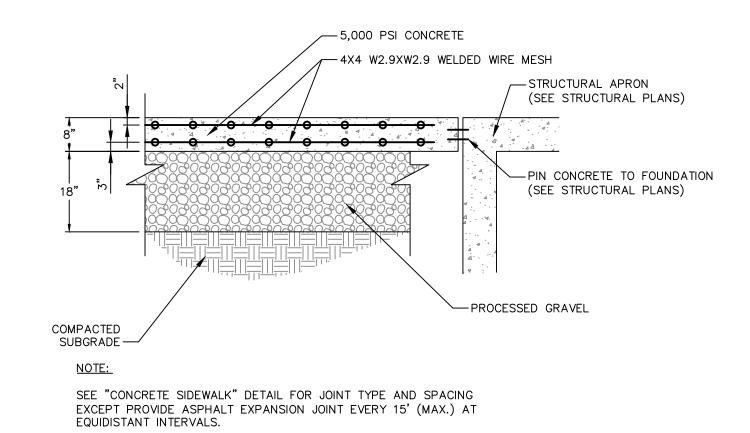
CURB TRANSITION LENGTH FOR PEDESTRIAN RAMPS



4,000 PSI CONCRETE -GRAVEL BORROW-COMPACTED
SUBGRADE —

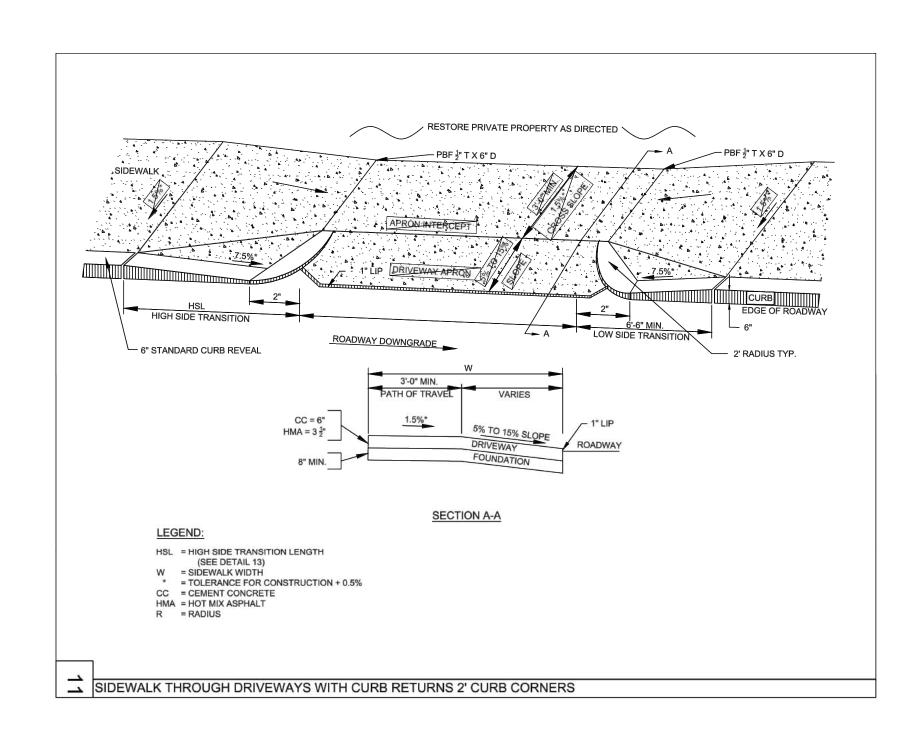
CONCRETE UTILITY PAD

SCALE: N.T.S.



HEAVY DUTY CONCRETE PAVEMENT

SCALE: N.T.S.



CONCRETE DRIVEWAY

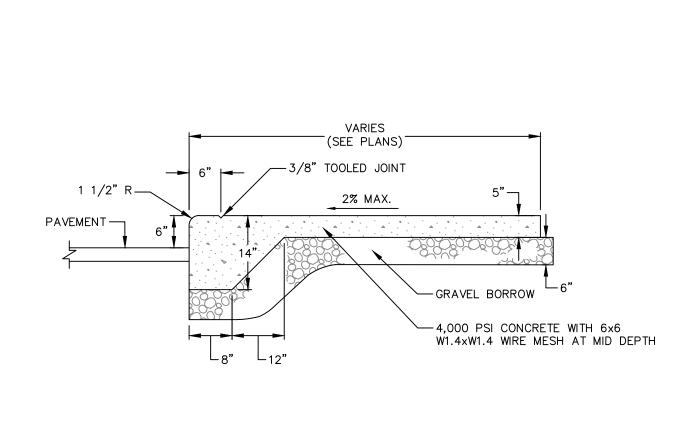
SCALE: N.T.S.

PROJ. No.: 20190241.A12 DATE: 07/02/2021

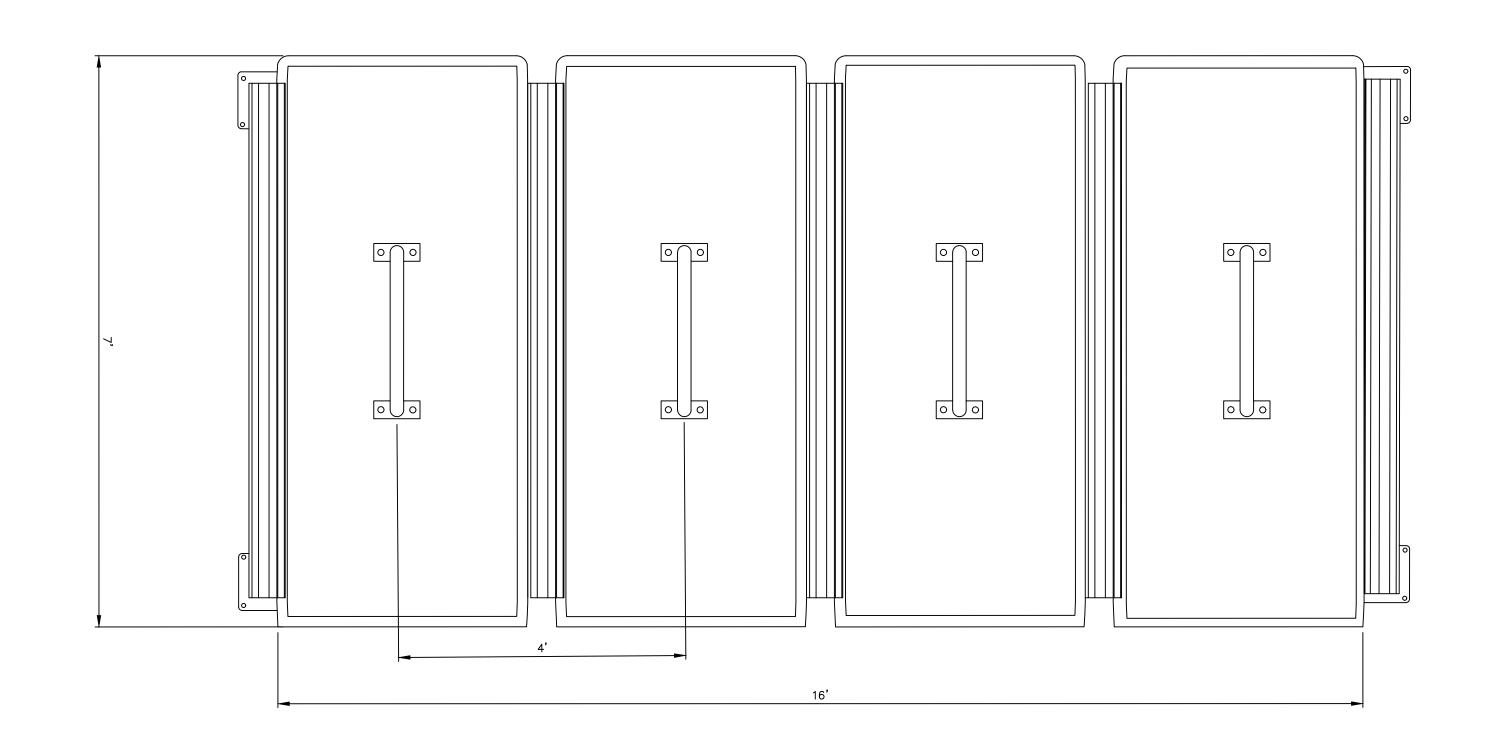
DETAIL

NEILL

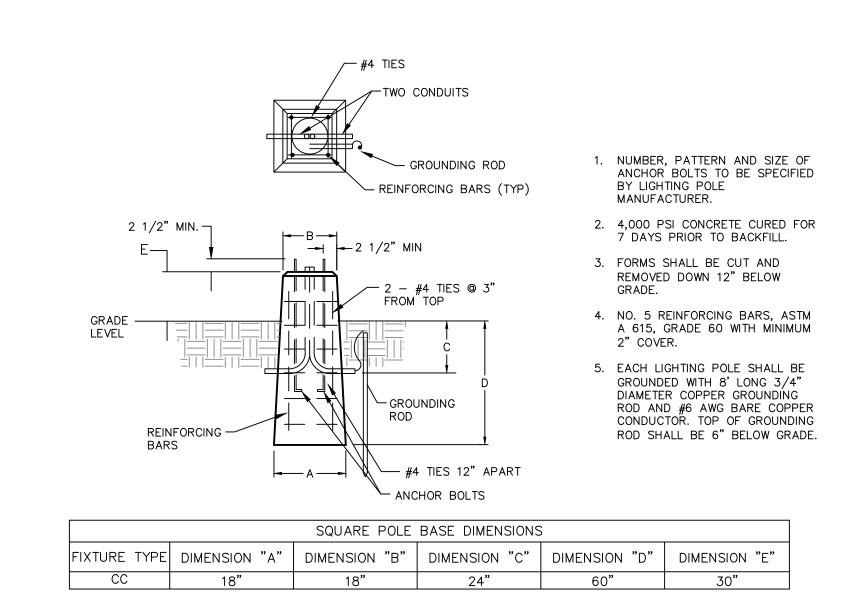
FUSS



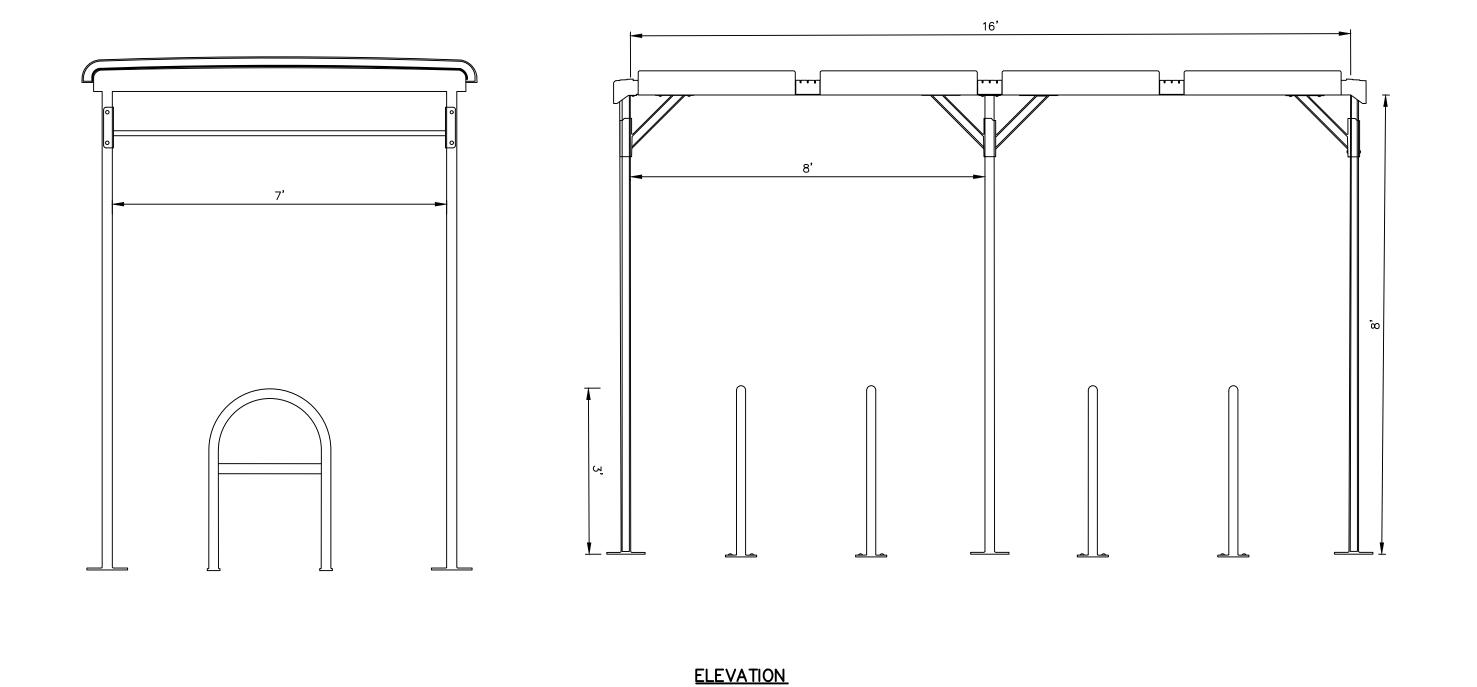
MONOLITHIC CONRETE CURB AND WALK scale: n.t.s.



PLAN VIEW



POLE BASE SQUARE scale: n.t.s.



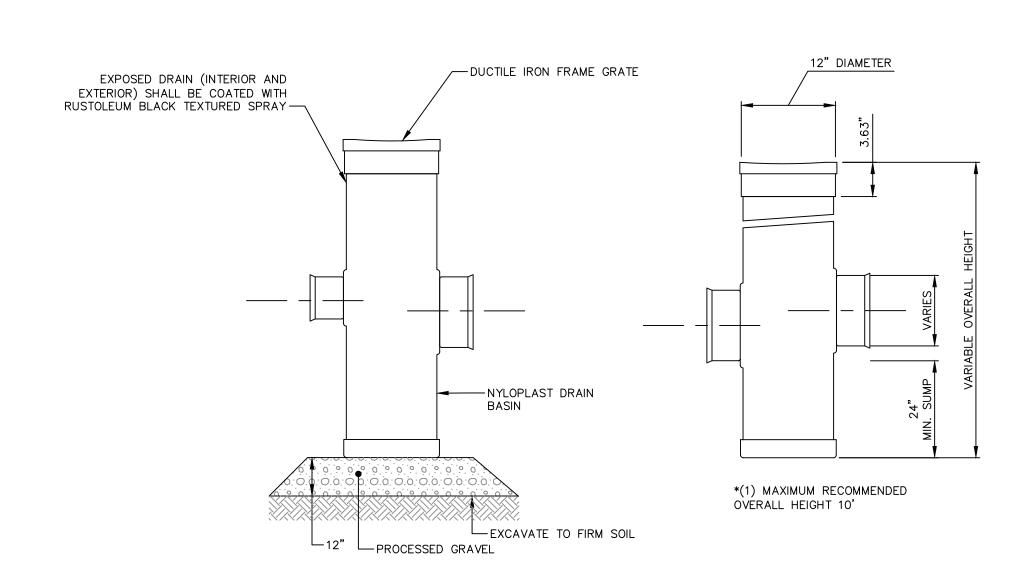
NOTES: 1. REPRESENTATIVE BIKE RACK DETAIL. ACTUAL BIKE RACK TO BE SELECTED BY OWNERSHIP.

BIKE RACK SCALE: N.T.S.

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DATE: 07/02/2021

FUSS & O'NEILL

CD-504

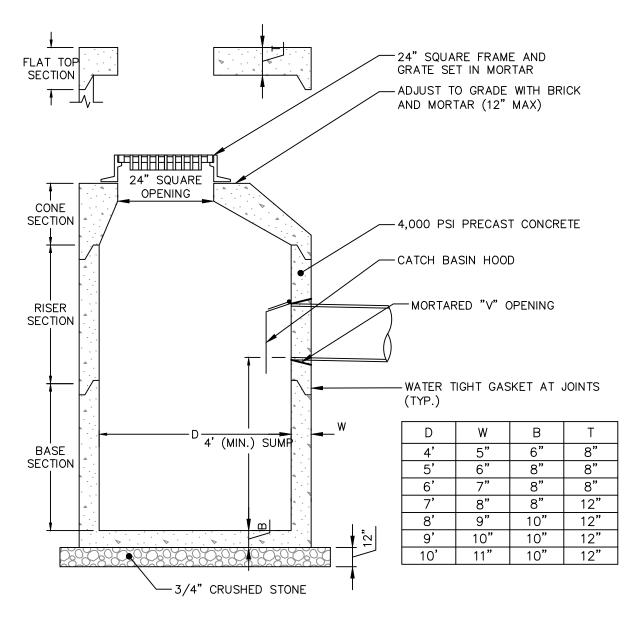


NOTES:

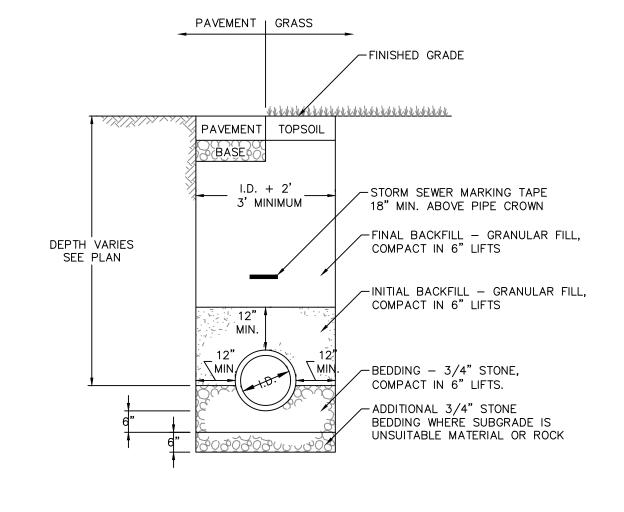
- 1. SEE GRADING AND DRAINAGE PLAN FOR PIPE SIZE, PIPE MATERIAL, AND INVERTS.
- 2. PROCESSED GRAVEL SHALL BE COMPACTED TO 95-PERCENT MODIFIED PROCTOR.

YARD DRAIN

SCALE: N.T.S.

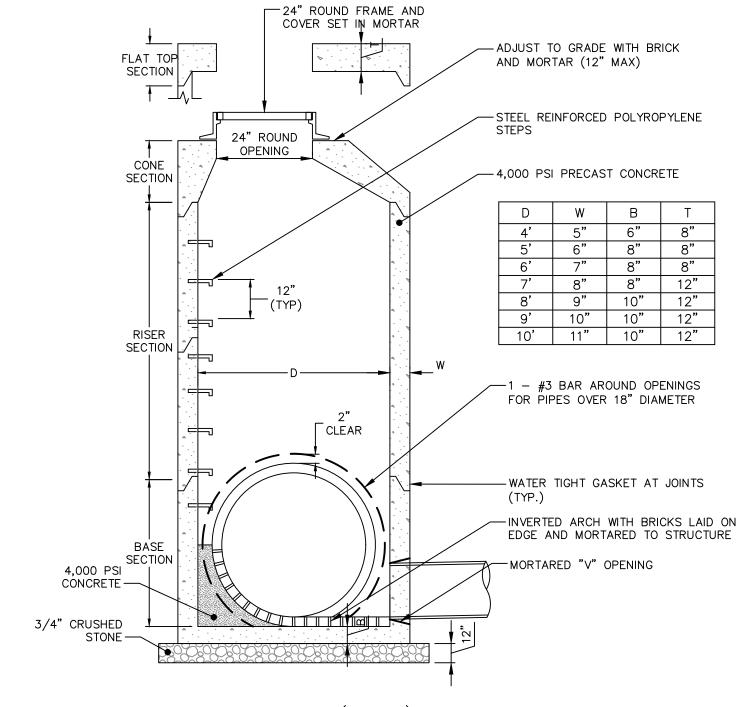


PRECAST CONCRETE CATCH BASIN (CB) SCALE: N.T.S.



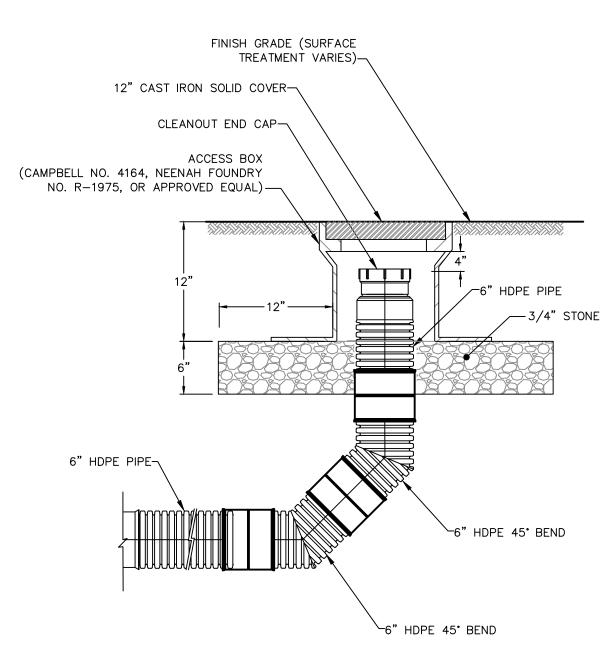
STORM SEWER TRENCH

SCALE: N.T.S.



DRAIN MANHOLE (DMH)

SCALE: N.T.S.



<u>NOTES</u>

1. UNLESS OTHERWISE NOTED, INTERIOR DIAMETER (D) SHALL BE 4 FEET. AT A MINIMUM, INTERIOR

DIAMETER SHALL BE 6" LARGER THAN THE LARGEST DIAMETER PIPE.

2. FRAME AND GRATE SHALL CONFORM TO MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS:

2.1. CATCH BASINS
2.1.1. E204.2.0 WHERE ADJACENT TO CURBS.
2.1.2. E201.6.0 AND E201.10.0 IN OTHER AREAS.

2.2. MANHOLES

2.2. MANHOLES
2.2.1. E202.6.0 AND E202.8.0.
2.2.2. MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER.
3. CATCH BASIN HOODS SHALL CONFORM CONFORM TO MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS E201.12.0.

STEPS SHALL CONFORM TO ASTM C478.
 STRUCTURES SHALL BE DESIGNED FOR HS-20 LOADING.
 REINFORCING STEEL SHALL CONFORM TO ASTM A185.

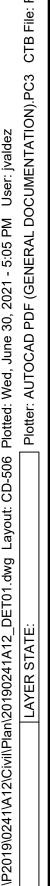
7. WATERTIGHT GASKET JOINTS SHALL BE BUTYL RESIN CONFORMING TO ASTM C990.

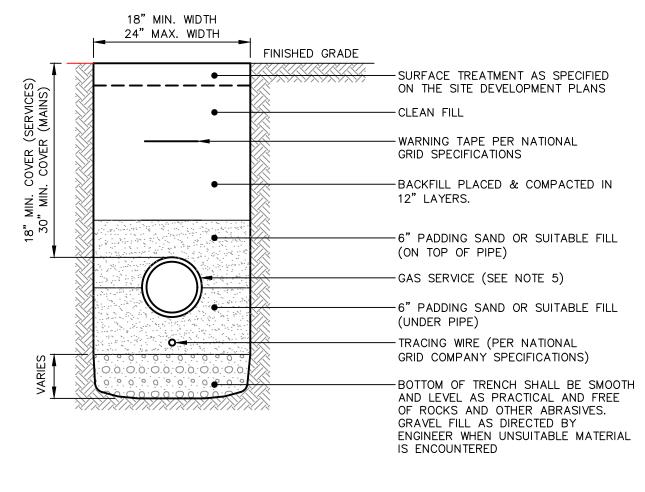
8. FLAT TOP SECTIONS ARE TO BE USED FOR STRUCTURE WITH AN INTERIOR DIAMETER (D) OF 6 FEET OR GREATER AND WHEN REQUIRED DUE TO PIPE COVER.

STORM STRUCTURE NOTES SCALE: N.T.S.

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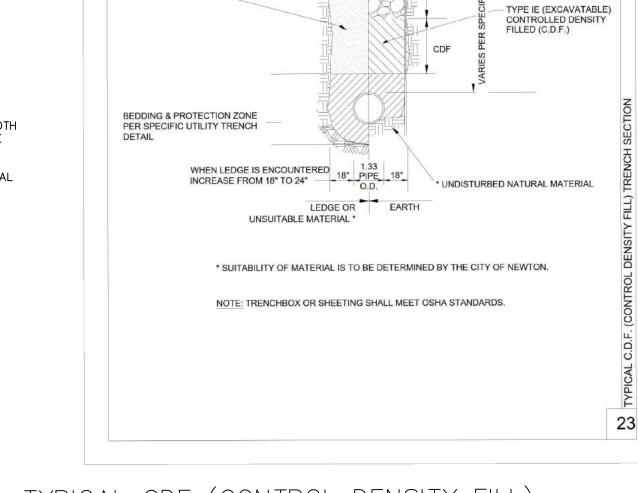
DETAIL





- 1. ALL BEDDING MATERIAL AND INITIAL BACKFILL SHALL BE CLEAN, FREE OF DEBRIS AND RUBBLE, AND FREE OF MATERIALS WHICH MAY CAUSE POLLUTION OF GROUNDWATER.
- 2. SPOIL SHOULD BE SET BACK A MINIMUM OF TWO (2) FEET IN ACCORDANCE WITH OSHA REGULATIONS.
- 3. GAS SERVICE MUST HAVE A MINIMUM HORIZONTAL SEPARATION OF THREE (3) FEET FROM PARALLEL UTILITIES. A ONE FOOT SEPARATION MUST BE MAINTAINED WHEN CROSSING OTHER UTILITIES.
- 4. THE MAXIMUM TRENCH DEPTH FOR GAS MAINS IS 48-INCHES WHILE THE MAXIMUM TRENCH DEPTH FOR SERVICES IS 36-INCHES.
- 5. MATERIAL SHALL BE DETERMINED BY UTILITY SERVICE PROVIDER.

GAS TRENCH SCALE: N.T.S.



SEE TYPICAL 'TRENCH REPAIR' DETAILS FOR SURFACE

RESTORATION ELEMENTS

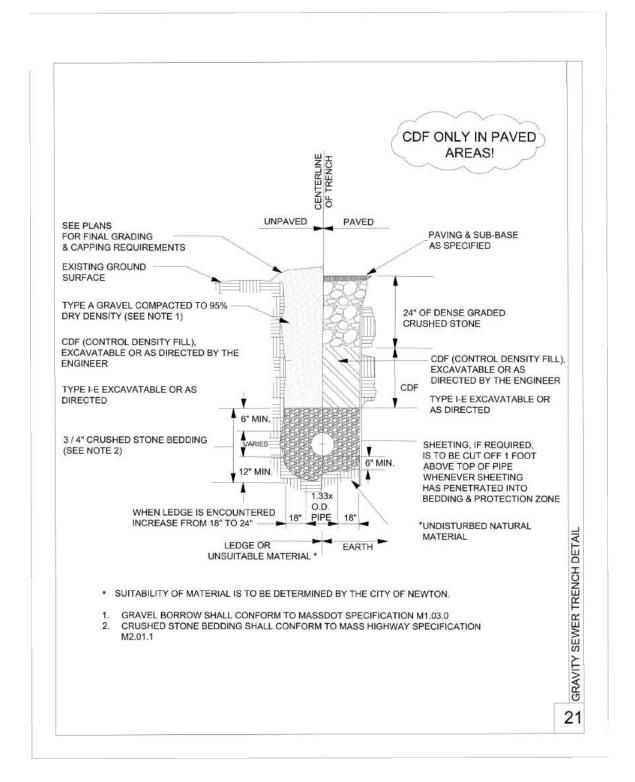
18" OF GRAVEL

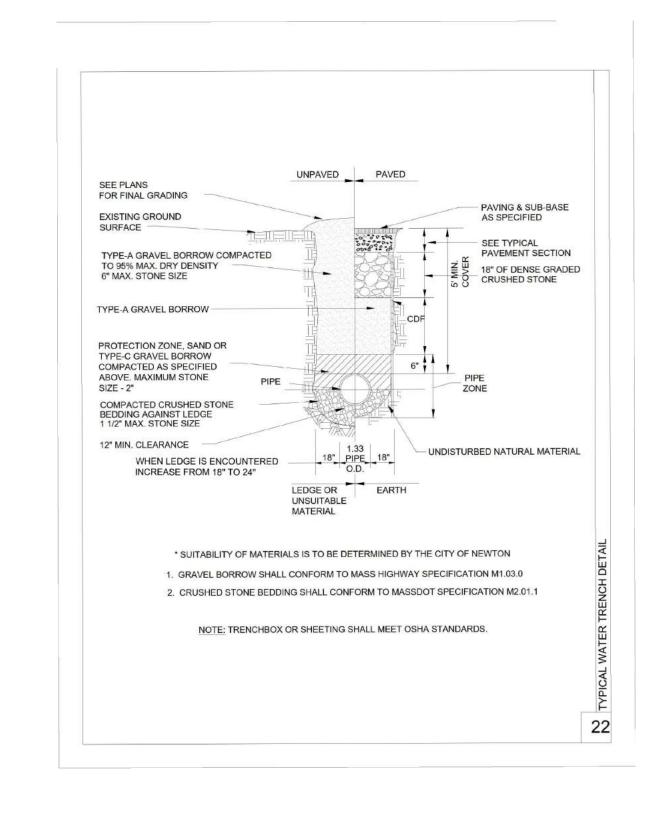
TYPICAL CDF (CONTROL DENSITY FILL)
TRENCH

SEE PLANS FOR FINAL

TYPE A GRAVEL -

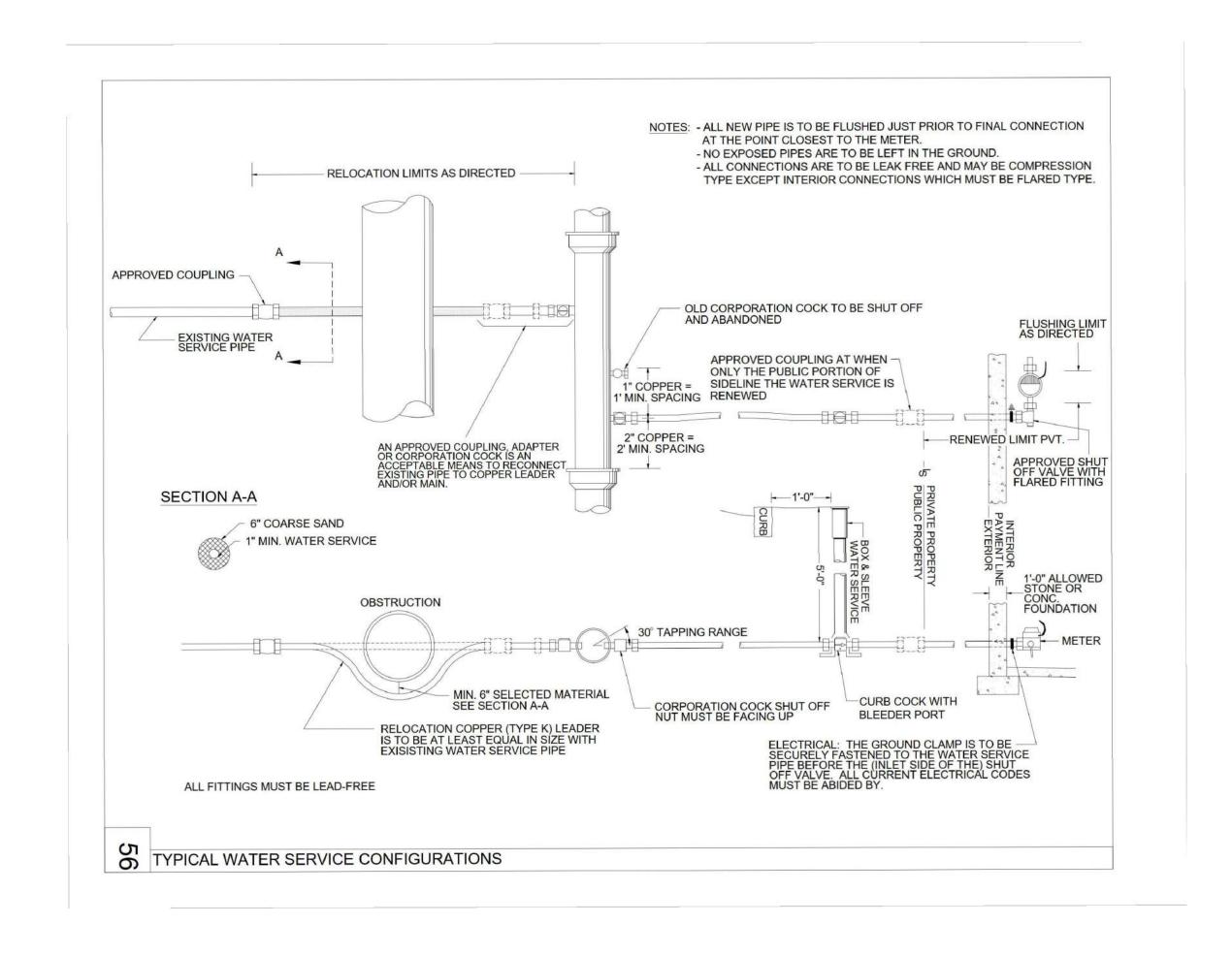
SCALE: N.T.S.





SEWER TRENCH SCALE: N.T.S.

WATER TRENCH SCALE: N.T.S.



WATER SERVICE SCALE: N.T.S.

HIII Ô 8 FUSS



DETAIL

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CD-506

PRUNE DEAD AND BROKEN BRANCHES CHOOSE TREES WITH
SINGLE LEADER OR
REMOVE SECONDARY
LEADERS AT
PLANTING, ANY
ADDITIONAL PRUNING
FOR SPECIFIC
STRUCTURAL
CORRECTIONS ONLY -SHRUB SHALL BE PLANTED SO THAT CROWN
IS 2" ABOVE FINISH GRADE AFTER SETTLEMENT SET TOP OF ROOT -BALL 1/2" - 1" ABOVE FINISH / 3" SHREDDED HARDWOOD MULCH — EXTEND OVER BERM. <u>DO NOT</u> PLACE IN CONTACT WITH BARK OF SHRUB. GRADE — MIN 3" MULCH BED TO NOT TOUCH TREE BARK CONSTRUCT EARTH SAUCER
WITH 3" HIGH BERM INCORPORATE COMMERCIALLY PREPARED
MYCHORRHIZA SPORES
AROUND ROOT BALL
PER MANUFACTURERS
RECOMMENDATION —BACKFILL WITH EXCAVATED SOIL AND COMPACT TO MIN 85% → REMOVE CONTAINER AND BREAK APART ENCIRCLING ROOT MASSES BREAK SUB-SOIL WITH A PICK --BACKFILL WITH PLANTING SOIL MIXTURE IN 9" LAYERS. WATER EACH LAYER UNTIL SETTLED. DO NOT TAMP MOUND TO CREATE SAUCER MIN

NOTE:

SPRAY WITH ANTI DESICCANT IN ACCORDANCE WITH

MFG.'S RECOMMENDATIONS IF FOLIAGE IS PRESENT. PREPARED -SUBGRADE WIDTH OF PLANTING

— PIT TO BE TWO TO

THREE TIMES WIDTH OF

ROOT BALL.

TAPER SIDES OF HOLE FOR CONTAINER GROWN SHRUBS, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER. COMPACT SOIL MIX —
UNDER AND AROUND
ROOT BALL AND PITCH
AWAY TOWARD INCORPORATE COMMERCIALLY PREPARED MYCORRHIZA SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED BY THE MANUFACTURER. PERIMETER OF NOTES: REMOVE TREE WRAP, WIRE, STAKES, ANY SYNTHETIC MATERIAL. CUT AWAY MINIMUM OF TOP HALF OF BURLAP &/OR WIRE BASKET. SCARIFY ALL PLANT PITS PRIOR TO PLANTING PLANTING PIT TREE PLANTING SHRUB PLANTING DETAIL FOR CONTAINERIZED SHRUBS SCALE: N.T.S. SCALE: N.T.S.

FUSS

RUMFORD A

DETAILS