



*City of Bristol
Economic and Community Development Board*

INFORMATION TO ACCESS THIS MEETING

<https://bristolct-gov.zoom.us/j/81705505530?pwd=QMhh4XdSol40upAKg3gaDbPH9848L6.1>

*Meeting ID: 817 0550 5530
Passcode: 779944*

A Special Meeting of the ECD Industrial Committee will be held on Thursday, September 3, 2026, at 4:30pm in City Council Chambers, 1st Floor, City Hall, 111 North Main Street, Bristol, CT.

- I. Call to Order
- II. Public Participation
- III. Approval of Minutes
 - A. Special Meeting Minutes from June 4, 2026
- IV. Southeast Bristol Business Park Lot #6 Site Plan
 - A. Southeast Bristol Business Park Lot #6 Site Plan
- V. Take Any Necessary Actions
- VI. Adjournment

PER ORDER OF THE CHAIRPERSON

ECONOMIC AND COMMUNITY DEVELOPMENT

Industrial Committee Special Meeting

Thursday, June 4, 2026 at 4:30pm

City Hall, 111 N. Main Street, Bristol

City Council Chambers and on Zoom

Attendees: Dave Mills – Chair, Committee Members Jason Paul Sirko, City Council Member Susan Tyler, and Mayor Ellen Zoppo-Sassu

Absent: None

Staff Present: Justin Malley - Executive Director

Guests: Mr. Michael Dudko, 116 Lewis Rd., Bristol
Ken Gallup Co-Owner of RCSS LLC

I. Call to Order

The Chair called the meeting to order at 4:30pm.

II. Public Participation

Mr. Dudko expressed concerns about the environmental impact of future developments in the Southeast Bristol Business Park (SEBBP) and the nearby body of water. While not opposed to the current plans for Building One, he is concerned about future building considerations. He stated that these were issues he raised at previous meetings as well.

There was no further Public Participation.

III. Approve of Minutes

A. Special Meeting Minutes from November 6, 2025

B. Special Meeting Minutes from January 8, 2026

The Chair called for a motion to approve the Special Meeting Minutes from November 6, 2025 and January 8, 2026. Mayor Zoppo-Sassu made the motion to approve both sets of Minutes. The motion was seconded by Commissioner Sirko. There was no discussion. All were in favor and the Minutes were accepted into the record.

IV. Southeast Bristol Business Park Lot #8 Plan

Ken Gallup of Road Construction Safety Services aka RCSS LLC provided a brief background of the business and project in the Southeast Bristol Business Park (SEBBP). The plans include storage of equipment, a training facility, and offices. Justin Malley provided background on the Committee

meeting in January 2026 to approve RCSS as an eligible owner and tenant for the SEBBP. At this stage, the ECD Board needs to review the site plan and building plan.

Justin Malley reviewed the site plan details with the Committee. The plans require his review of the parking, driveway and building locations including ensuring they meet the park's technical measurement requirements. The building plan details were reviewed, specifically in regards to what the building should look like to meet the park's requirement. One of those requirements is eight (8) feet of stone on the face of the building as well as a portion of the street facing side. RCSS' plans as shown meet those requirements. Justin Malley noted that RCSS' plan is efficient, smart-looking, and sets them up for future development.

V. Take Any Necessary Action

The Chair called for a reading of the proposed Motions. Mayor Zoppo-Sassu read the Motion as follows:

Motion to approve the site plan, landscaping plan, lighting plan, and building elevation plan dated April 7, 2026 titled "Proposed Distribution Facility, Lot 8 Business Park Drive" representing the new construction project for RCSS LLC on Lot 8 of the Southeast Bristol Business Park that includes construction of an approximately 10,000 square foot building and associated parking/loading area to serve as the headquarters for RCSS LLC (Road Construction Safety Services), a logistics/distribution company and provider of traffic control, safety management, and work-zone solutions across Connecticut and the surrounding region.

The motion was seconded by City Council Member Tyler. There was no discussion. All were in favor and the Motion was accepted into the record.

City Council Member Tyler read the next Motion as follows:

Motion that Economic and Community Development staff must report to the Economic and Community Development Board details on final construction of Lot 8, including the mounting of building signage, to ensure these activities align with the Southeast Bristol Business Park Design Guidelines and Regulations.

The motion was seconded by Commissioner Sirko. There was no discussion. All were in favor and the Motion was accepted into the record.

Justin Malley noted that signage will be completed in the future, which he will coordinate with RCSS on. He will ensure the park guidelines continue to be met and report back to the Commission and Board on final construction development. Tonight's approvals allow RCSS to continue their process through Land Use.

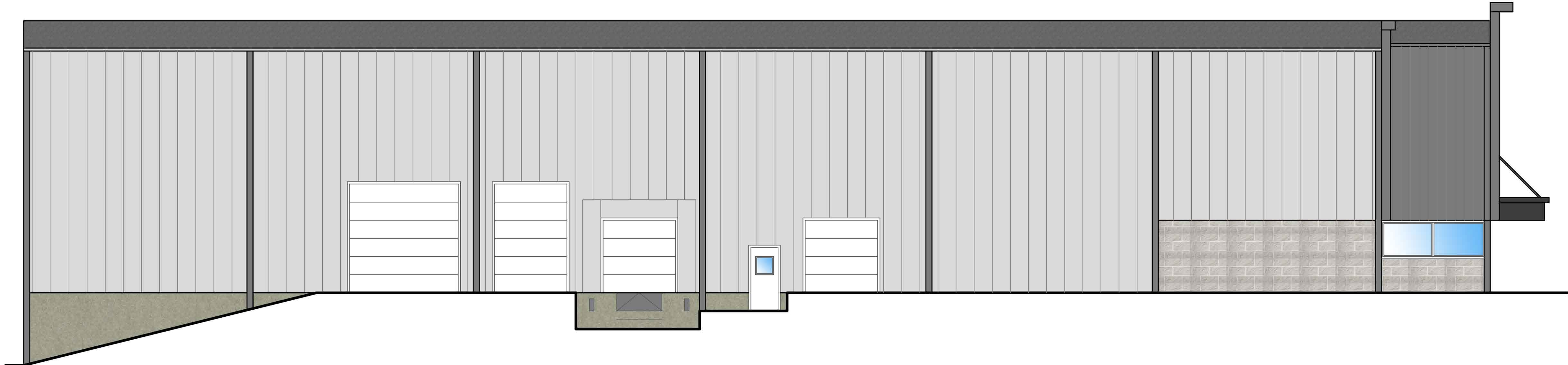
VI. Adjournment

With the business for the Special Meeting completed, the Chair called for a motion to adjourn. The motion was made by the mayor and was seconded by City Council Member Tyler. All were in favor and the meeting adjourned at 4:43pm.

Respectfully submitted,

Sharon Arsego
Recording Secretary

Building Plan



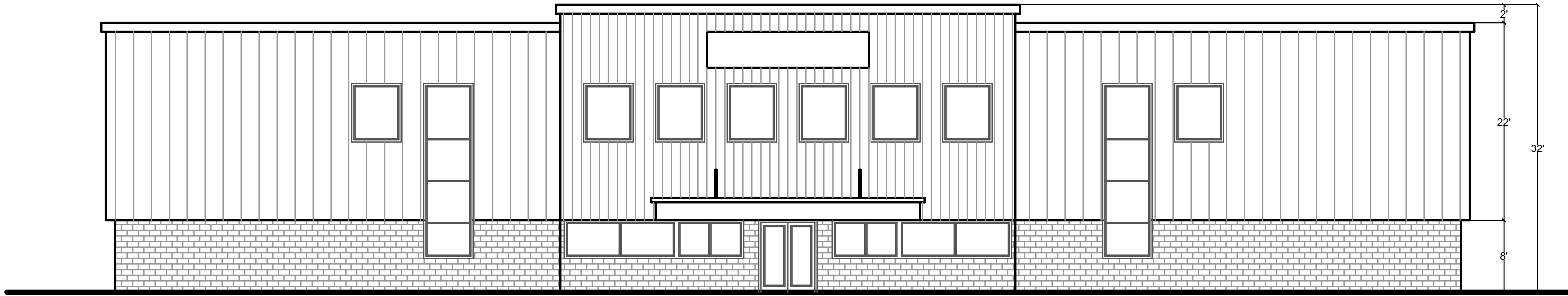
Integrity Manufacturing LLC
 Lot 6 Business Park Drive Bristol Ct 06010

DPS_CLIENTS_INTEGRITY_MANUFACTURING_BRISTOL_LOT_6 Project Number 2026-09

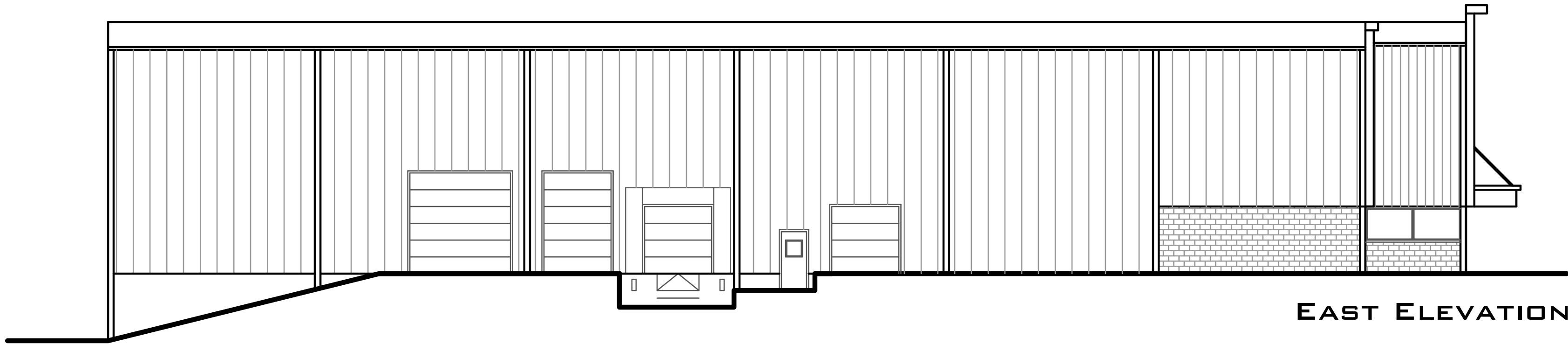
Scale
 $\frac{3}{16}" = 1' - 0"$

Schematic Elevations

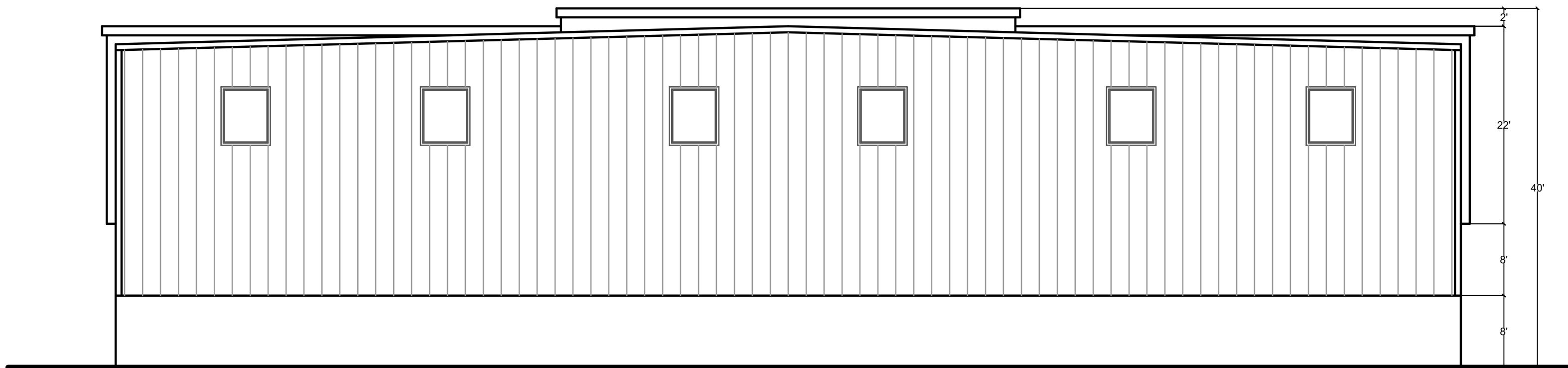
SHEET
 A.100



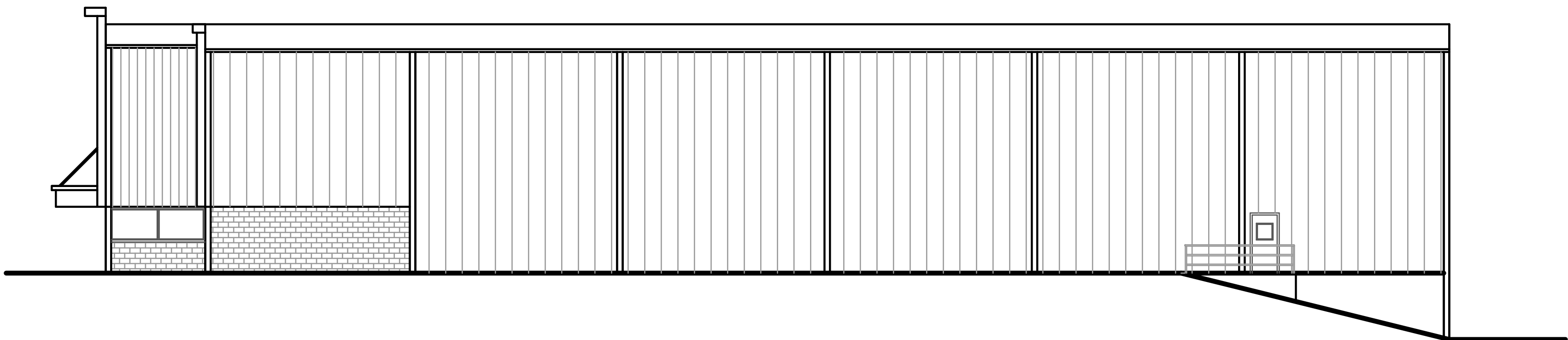
NORTH ELEVATION



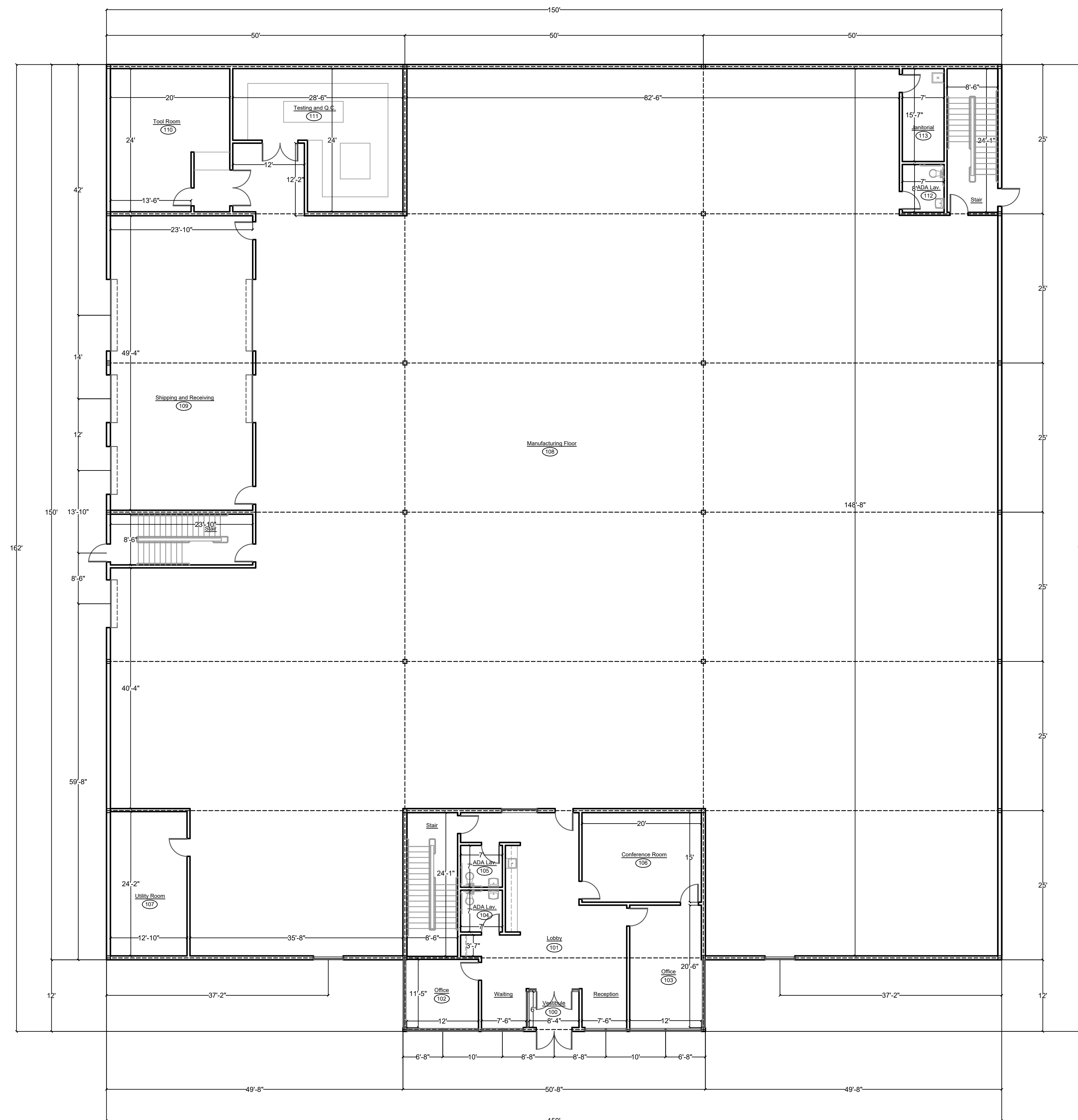
EAST ELEVATION



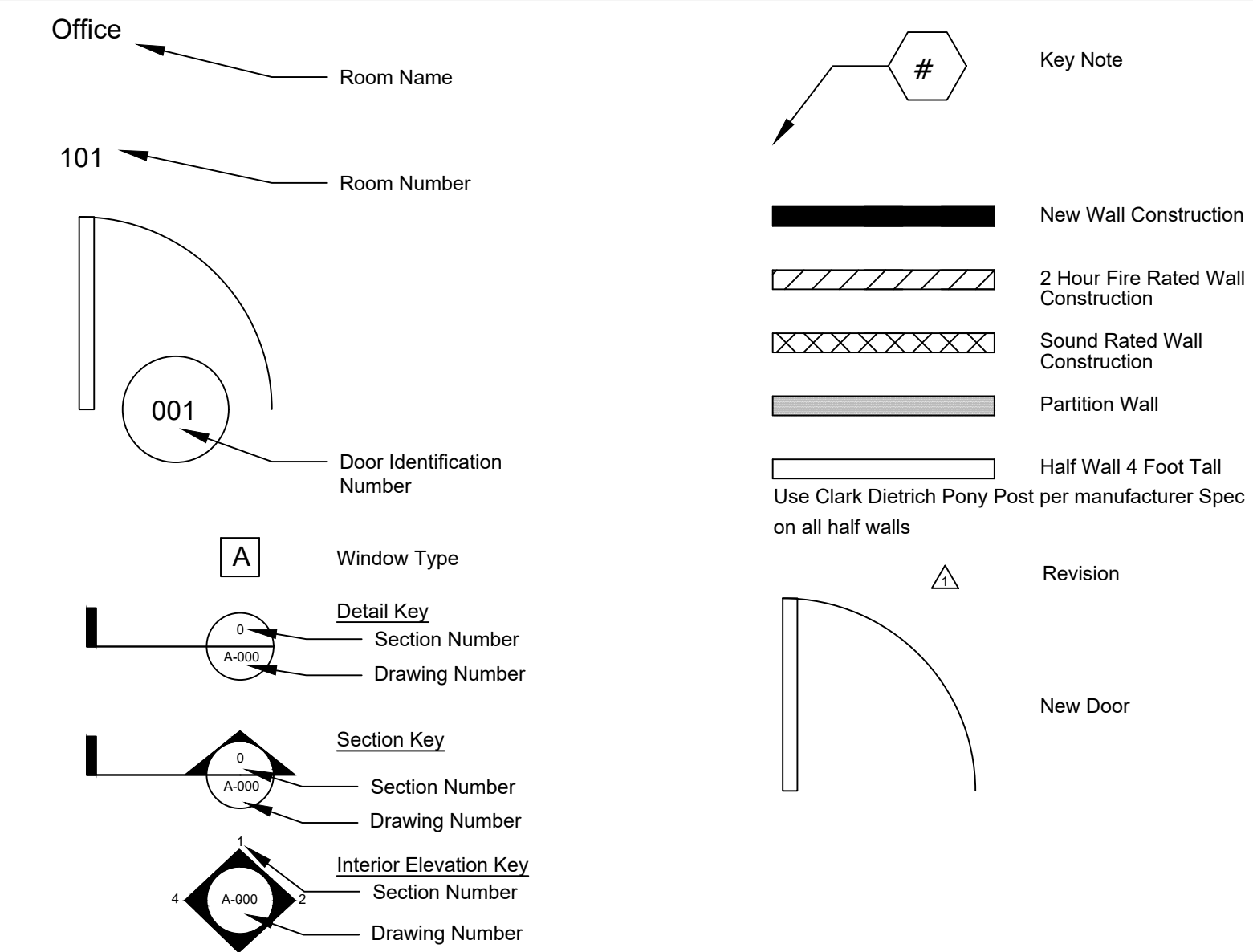
SOUTH ELEVATION



WEST ELEVATION



SYMBOL LEGEND



General Note:

Structural elements shown on this plan are representative only. Pre-Engineered Steel Structure, Concrete Footings and Foundations are designed by others and will have State of Connecticut Sign and Seal.

Integrity Manufacturing LLC
Lot 6 Business Park Drive Bristol Ct 06010

Project Number: 2020-03

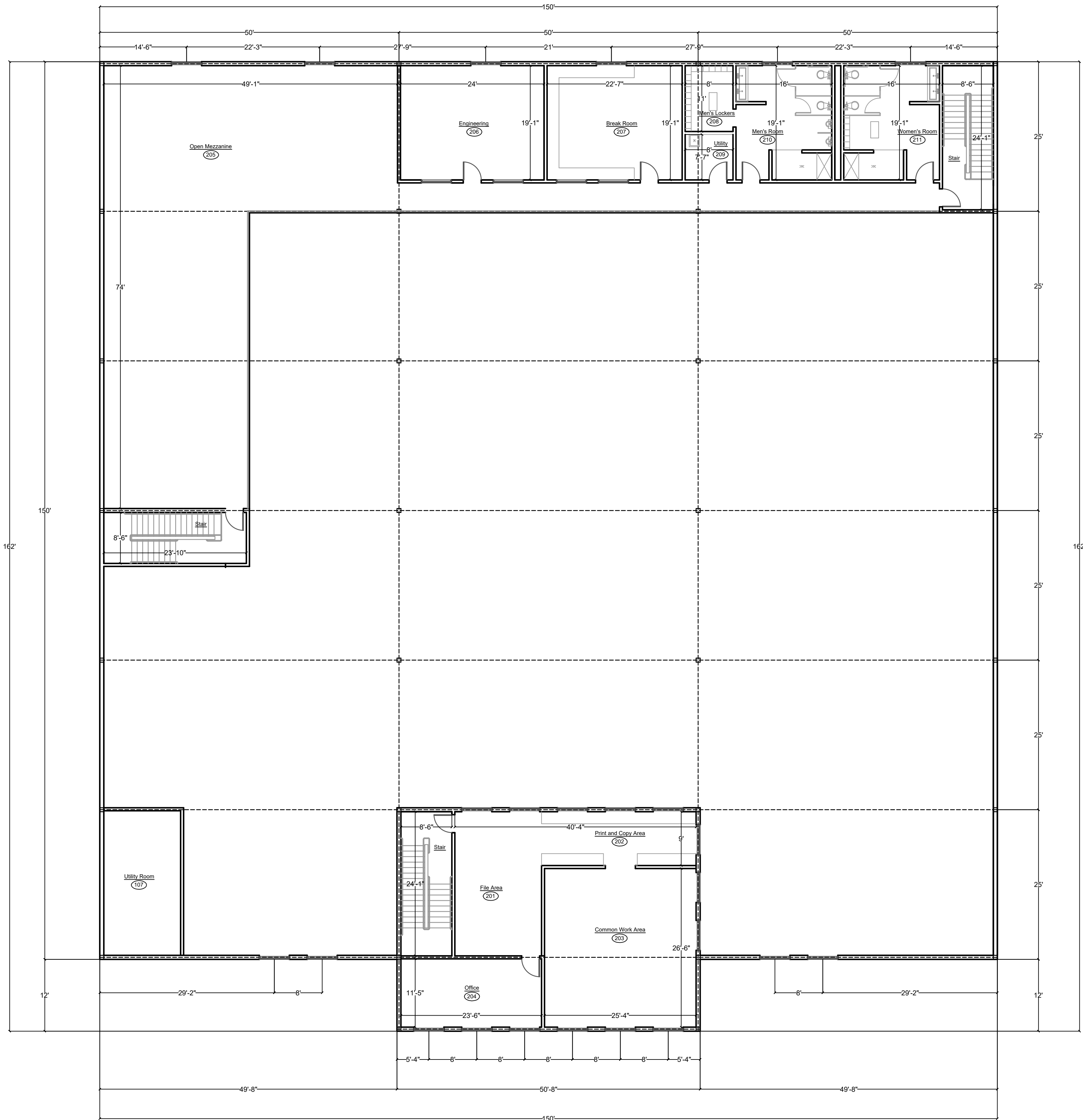
0
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scale

$$\frac{1}{2}'' = 1' - 0''$$

First Floor Plan

SHEET
A.101



SYMBOL LEGEND

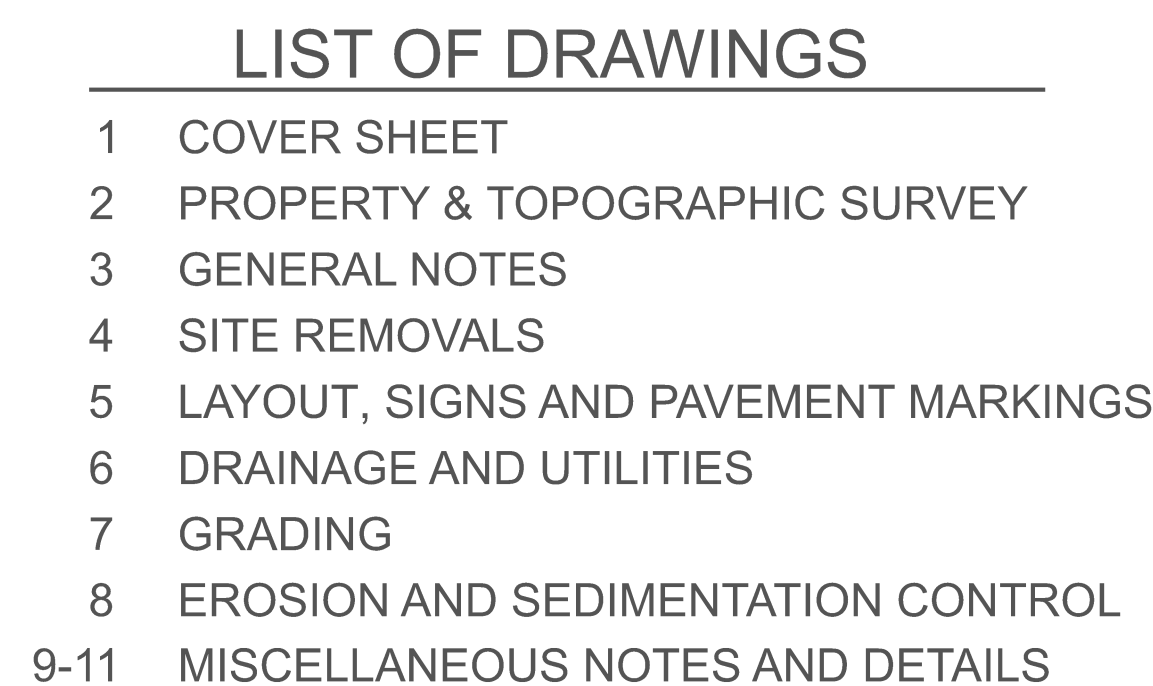
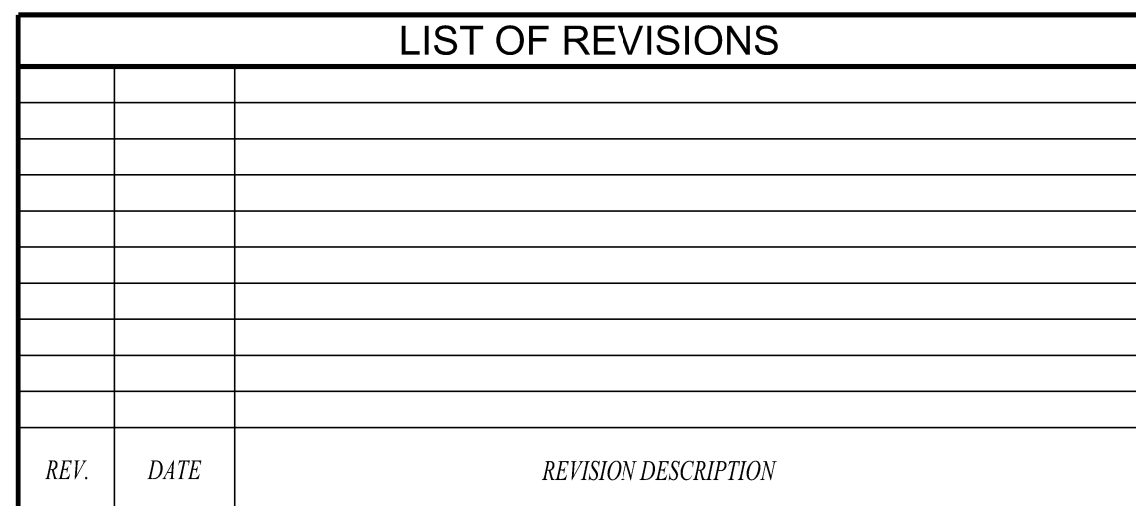
Office	Room Name	Key Note
101	Room Number	
001	Door Identification Number	
A	Window Type	
0 A-000	Detail Key Section Number Drawing Number	
0 A-000	Section Key Section Number Drawing Number	
1 A-000 2 3	Interior Elevation Key Section Number Drawing Number	
#		
		New Wall Construction
		2 Hour Fire Rated Wall Construction
		Sound Rated Wall Construction
		Partition Wall
		Half Wall 4 Foot Tall Use Clark Dietrich Pony Post per manufacturer Spec on all half walls
		Revision
		New Door

General Note:

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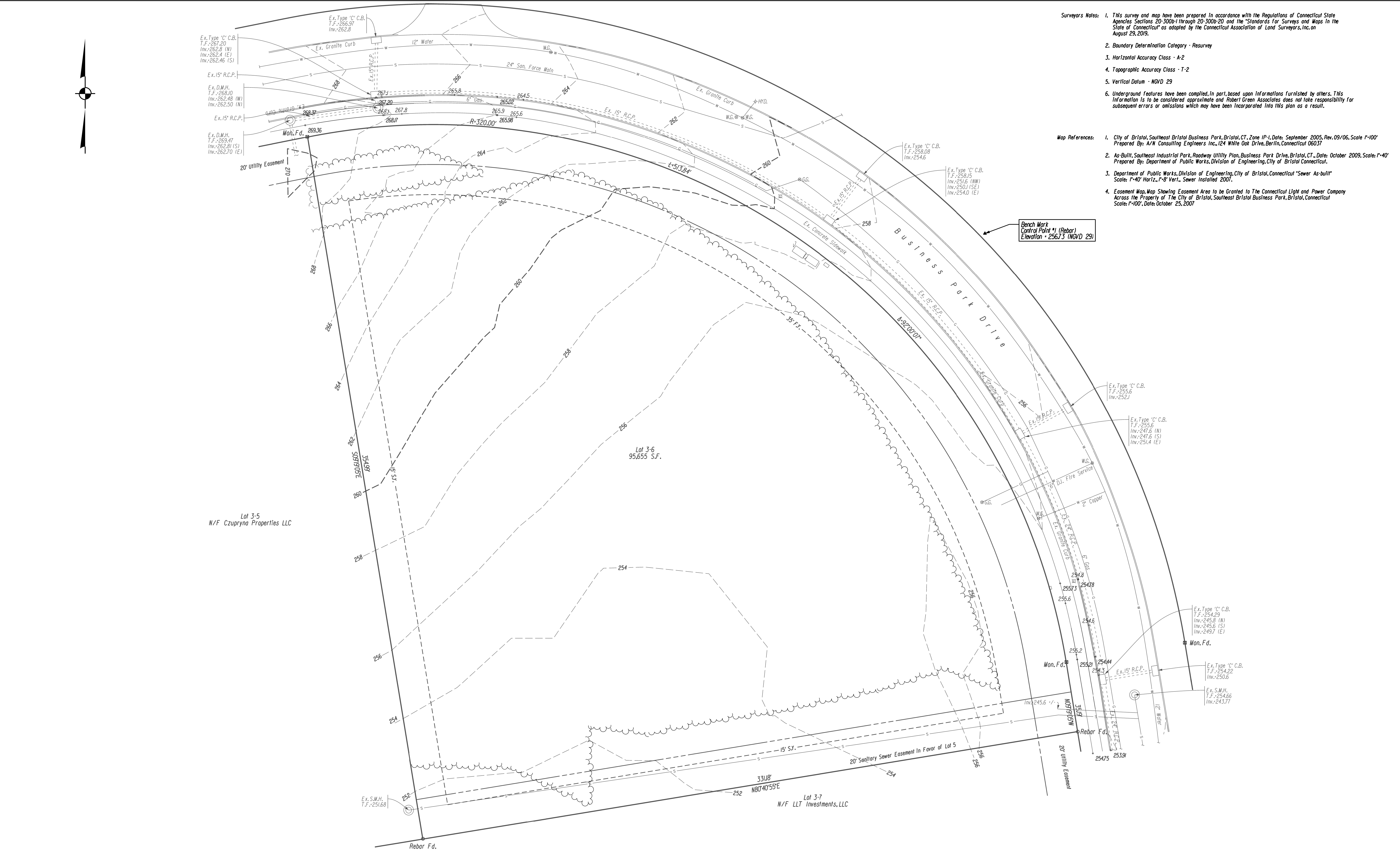
Site Plan

190 BUSINESS PARK DRIVE
BRISTOL, CONNECTICUT
JULY 10, 2026
ASSESSORS MAP 3, LOT 6



Applicant:
Integrity Manufacturing LLC
1451 New Britain Avenue
Farmington, CT 06032
Att. Scott Beaulieu
(860) 202-7789

Surveyor/Civil Engineer:
Robert Green Associates LLC
6 Old Waterbury Road
Terryville, CT 06786
(860) 589-0135



Surveyors Notes: 1. This survey and map have been prepared in accordance with the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on August 29, 2019.

2. Boundary Determination Category - Resurvey

3. Horizontal Accuracy Class - A-2

4. Topographic Accuracy Class - T-2

5. Vertical Datum - NGVD 29

6. Underground features have been compiled in part based upon information furnished by others. This information is to be considered approximate and Robert Green Associates does not take responsibility for subsequent errors or omissions which may have been incorporated into this plan as a result.

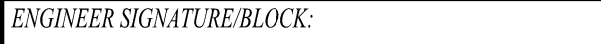
Map References: 1. City of Bristol, Southeast Bristol Business Park, Bristol, CT, Zone IP-1, Date: September 2005, Rev. 09/06, Scale 1"=100' Prepared By: A/N Consulting Engineers Inc., 124 White Oak Drive, Berlin, Connecticut 06037

2. As-Built, Southeast Industrial Park, Roadway Utility Plan, Business Park Drive, Bristol, CT, Date: October 2009, Scale: 1"=40' Prepared By: Department of Public Works, Division of Engineering, City of Bristol, Connecticut

3. Department of Public Works, Division of Engineering, City of Bristol, Connecticut "Sewer As-Built" Scale: 1"=40' Horiz., 1"=8' Vert. Sewer Installed 2007.

4. Easement Map, Map Showing Easement Area to be Granted to The Connecticut Light and Power Company Across the Property of The City of Bristol, Southeast Bristol Business Park, Bristol, Connecticut Scale: 1"=100', Date: October 25, 2007

Bench Mark
Control Point #1 (Rebar)
Elevation = 256.73 (NGVD 29)

		DATE: JULY 10, 2026		SURVEYOR SIGNATURE/BLOCK: TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON: 								ENGINEER SIGNATURE/BLOCK:		PROJECT TITLE: IMPROVEMENT LOCATION SURVEY-PROPOSED INTEGRITY MANUFACTURING LLC 190 BUSINESS PARK DRIVE BRISTOL, CONNECTICUT		MAP 3 LOT 6		DRAWING NO. V-001	
		SCALE: SCALE IN FEET  SCALE 1"=20'														DRAWING TITLE: PROPERTY & TOPOGRAPHIC SURVEY		SHEET NO. 2	
REV.		DATE		REVISION DESCRIPTION															

GENERAL NOTES:

1. ASSESSORS MAP: 3
ASSESSORS LOT: 6
2. PROPERTY ADDRESS: 190 BUSINESS PARK DRIVE
3. OWNER NAME: CITY OF BRISTOL
5. ZONE: IP-1
6. LOT AREA - 95,655 S.F. (2.196 ACRES)
7. BASED ON THE CITY OF BRISTOL INLAND WETLAND AND WATER COURSES MAPS, THERE ARE NO WETLANDS ON THE SUBJECT PROPERTY.
8. BASED ON FLOOD INSURANCE RATE MAP, HARTFORD COUNTY, CONNECTICUT (ALL JURISDICTIONS), PANEL 466 OF 675, MAP NUMBER 090030C0466F, EFFECTIVE DATE: SEPTEMBER 26, 2008, THE PARCEL LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)
9. THE PROPERTY IS "NOT" LOCATED WITHIN A AQUIFER PROTECTION AREA
10. EXISTING CONTOURS AT 2' INTERVALS - PROPOSED CONTOURS AT 1' INTERVALS
11. THE INDICATED EXISTING UTILITIES ARE BASED ON LIMITED INFORMATION. THE LOCATIONS ARE APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CONTACT "CALL-BEFORE-YOU-DIG" AT 811 PRIOR TO THE COMMENCEMENT OF ANY WORK
12. PROPOSED BUILDING TO BE SERVICED BY PUBLIC WATER AND SEWER
13. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, QUANTITIES AND DETAILS PRIOR TO ANY CONSTRUCTION

HOURS OF OPERATION:

MONDAY-FRIDAY: 7AM - 5PM
SATURDAY: 7AM - 12PM

PARKING CALCULATION:

PRODUCTION AND STORAGE incl. SPACES ABOVE PRODUCTION	25,850 S.F.
OFFICE	5,000 S.F.
GROSS FLOOR AREA	30,850 S.F.
PARKING BREAKDOWN OFFICE PRODUCTION	5,000 @ 3/1,000 - 15 SPACES 25,850 S.F. @ 0.5/1,000 - 13 SPACES
PARKING REQUIRED	28 SPACES
PARKING PROVIDED	41 SPACES

	DATA TABLE	
	ZONE: IP-1	
	REQUIRED	SUBMITTED
MINIMUM LOT AREA, IN SQUARE FEET	50,000 S.F.	95,655 S.F.
MINIMUM LOT WIDTH	160'	400.7'
MINIMUM FRONT YARD ON A CITY STREET	35'	51.0'
MINIMUM SIDE YARD	15'	40.2'
MINIMUM REAR YARD	15'	N/A
MAX. BUILDING HEIGHT	50'	SEE ARCH. DWGS
MAX. BUILDING COVERAGE	40%	24%
MAX. IMPERVIOUS COVERAGE	80%	62%

CONSTRUCTION SEQUENCE

1. FLAG THE LIMITS OF CONSTRUCTION NECESSARY TO FACILITATE THE PRECONSTRUCTION MEETING.
2. HOLD PRECONSTRUCTION MEETING WITH THE OWNER, ENGINEER, CONTRACTOR AND APPROPRIATE TOWN STAFF. REVIEW FLAGGED CLEARING LIMITS AND DETERMINE TOPSOIL STOCKPILE AREA. (REMEMBER TO CALL BEFORE YOU DIG 1-800-922-4455.)
3. FLAG REMAINDER OF THE LIMITS OF CONSTRUCTION AND TREE PROTECTION ZONES IF REQUIRED.
4. INSTALL CONSTRUCTION ENTRANCE PAD.
5. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS AND TREE PROTECTION DEVICES IN ACCORDANCE WITH THE E&S PLAN.
6. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD, CHIP BRUSH AND SLASH, STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE.
7. REMOVE ALL ITEMS PER REMOVALS PLAN.
8. STRIP AND STOCKPILE ALL TOPSOIL THAT IS WITHIN THE FOOTPRINT OF THE CONSTRUCTION SITE AND REFERENCE STOCKPILE MANAGEMENT FOR EROSION AND SEDIMENT CONTROLS. EITHER REMOVE TREE STUMPS TO AN APPROVED DISPOSAL SITE OR CHIP IN PLACE AS INDICATED ON THE PLANS.
9. MAKE ALL CUTS AND FILLS REQUIRED. ESTABLISH THE SUBGRADE FOR THE PARKING LOT AND DRIVEWAY AS REQUIRED AND BENCH THE BUILDING TO A SUBGRADE, ALLOW A REASONABLE AMOUNT OF AREA AROUND THE FOOTPRINT OF THE BUILDING FOR THE CONSTRUCTION ACTIVITIES.
10. BEGIN PERIMETER WALL CONSTRUCTION.
11. BEGIN CONSTRUCTION OF THE BUILDING.
12. PRIOR TO INSTALLING SURFACE WATER CONTROLS SUCH AS TEMPORARY DIVERSIONS AND STONE DIKES, INSPECT EXISTING CONDITIONS TO ENSURE DISCHARGE LOCATIONS ARE STABLE. IF NOT STABLE, REVIEW DISCHARGE CONDITIONS WITH THE DESIGN ENGINEER AND IMPLEMENT ADDITIONAL STABILIZATION MEASURES PRIOR TO INSTALLING WATER SURFACE CONTROLS.
13. INSTALL ALL UTILITIES AND DRAINAGE SYSTEMS TO WITHIN 5 FEET OF THE BUILDING OR AS OTHERWISE MODIFIED BY THE DESIGN ENGINEER TO ADJUST FOR UNFORESEEN SITE CONDITIONS.
14. PREPARE SUB-BASE, SLOPES, PARKING AREAS, SHOULDER AREAS, ACCESS DRIVES AND ANY OTHER DISTURBANCE FOR FINAL GRADING.
15. INSTALL PROCESS AGGREGATE IN PARKING AREAS.
16. PLACE TOPSOIL WHERE REQUIRED. COMPLETE THE PERIMETER LANDSCAPE PLANTINGS.
17. FINE GRADE, RAKE, SEED AND MULCH TO WITHIN 2 FEET OF THE CURBING.
18. UPON SUBSTANTIAL COMPLETION OF THE BUILDING, COMPLETE THE BALANCE OF SITE WORK AND STABILIZATION OF ALL OTHER DISTURBED AREAS. INSTALL FIRST COURSE OF PAVING.
19. WHEN ALL OTHER WORK HAS BEEN COMPLETED, REPAIR AND SWEEP ALL PAVED AREAS FOR THE FINAL COURSE OF PAVING. INSPECT THE DRAINAGE SYSTEM AND CLEAN AS NEEDED.
20. INSTALL FINAL COURSE OF PAVEMENT.
21. AFTER THE SITE IS STABILIZED, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS.

OPERATION AND MAINTENANCE PLAN (POST-CONSTRUCTION)

1. ALL DRAINAGE SHOULD BE INSPECTED TWO TIMES PER YEAR AND SEDIMENT REMOVED WHEN IT EXTENDS TO WITHIN 12 INCHES OF THE OUTLET PIPE INVERT, NOT LESS THAN ONCE PER YEAR. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED LOCATION.
2. ALL PAVED AREAS SHALL BE SWEEPED TWICE ANNUALLY. TYPICALLY, SWEEPING SHOULD OCCUR IN THE SPRING, AFTER WINTER SANDING, AND IN THE FALL, AFTER ALL LEAVES HAVE FALLEN.
3. A VEGETATIVE OR IMPROVED COVER SHALL BE MAINTAINED ON ALL EARTH SURFACES TO MINIMIZE SOIL EROSION. USE OF FERTILIZER SHOULD BE MINIMIZED AND APPLIED USING PRUDENT APPLICATION PROCEDURES. (USE ONLY ORGANIC FERTILIZER)
4. DURING CONSTRUCTION AND FOR THREE MONTHS AFTER PROJECT COMPLETION, INSPECTION OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MADE ON A WEEKLY BASIS AND AFTER RAINFALL EVENTS OF 1/2" OR GREATER. A LOG OF SUCH INSPECTIONS SHALL BE MAINTAINED AT THE SITE.
5. THE WATER QUALITY STRUCTURE SHALL BE INSPECTED TWICE A YEAR AND CLEANED OUT IN ACCORDANCE WITH THE PRODUCT MANUFACTURERS GUIDELINES. RECORDS OF THE INSPECTIONS AND CLEANOUTS SHALL BE MAINTAINED ON THE PREMISES.

GENERAL NOTES FOR SITE PLANS "CITY OF BRISTOL" (AS APPLICABLE)

1. A SANITARY SEWER LATERAL PERMIT OBTAINED FROM THE WATER AND SEWER DEPARTMENT WILL BE REQUIRED PRIOR TO CONNECTING INTO THE EXISTING SEWER SYSTEM. THE CONTRACTOR INSTALLING THE SEWERS/LATERALS SHALL NOTIFY THE CITY SEWER INSPECTOR BETWEEN 24 AND 48 HOURS PRIOR TO ANY SUCH INSTALLATION AND/OR CONNECTION TO MAKE ARRANGEMENTS FOR AN INSPECTION OF THE SANITARY SEWER INSTALLATIONS. NO SANITARY SEWER INSTALLATION SHALL BE BACKFILLED PRIOR TO AN INSPECTION OF THE COMPLETE PIPE INSTALLATION BY THE CITY SEWER INSPECTOR. ALL BUILDING SEWERS SHALL HAVE A GRAVITY BACK FLOW PREVENTER. (BUILDING SEWERS AND CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SEC. 22-191(f) OF THE CODE OF ORDINANCES - CITY OF BRISTOL.)
2. A STORM SEWER CONNECTION PERMIT OBTAINED FROM THE PUBLIC WORKS DEPARTMENT WILL BE REQUIRED PRIOR TO CONNECTING THE PROPOSED DRAINAGE SYSTEM(S) INTO THE CITY SYSTEM AND/OR INSTALLING STORM DRAINAGE WITHIN THE CITY R.O.W. THE CONTRACTOR MAKING THE STORM SEWER CONNECTION AND/OR INSTALLING STORM DRAINAGE WITHIN THE CITY R.O.W. SHALL NOTIFY THE CITY SEWER INSPECTOR BETWEEN 24 AND 48 HOURS PRIOR TO ANY SUCH INSTALLATION AND/OR CONNECTION TO MAKE ARRANGEMENTS FOR AN INSPECTION OF THE STORM SEWER INSTALLATIONS. NO STORM SEWER SHALL BE BACKFILLED PRIOR TO AN INSPECTION OF THE COMPLETE PIPE INSTALLATION BY THE CITY SEWER INSPECTOR.
3. A DRIVEWAY APRON AND/OR SIDEWALK PERMIT OBTAINED FROM THE PUBLIC WORKS DEPARTMENT WILL BE REQUIRED PRIOR TO CONSTRUCTING ANY DRIVEWAY APRON AND/OR SIDEWALK WITHIN THE CITY R.O.W. THE CONTRACTOR CONSTRUCTING THE DRIVEWAY APRON AND/OR SIDEWALK WITHIN THE CITY R.O.W. SHALL NOTIFY THE CITY HIGHWAY INSPECTOR BETWEEN 24 AND 48 HOURS PRIOR TO ANY SUCH CONSTRUCTION TO MAKE ARRANGEMENTS FOR AN INSPECTION OF ANY DRIVEWAY APRON AND/OR SIDEWALK INSTALLATIONS. NO CONCRETE (PORTLAND CEMENT AND/OR BITUMINOUS) SHALL BE PLACED PRIOR TO AN INSPECTION BY THE CITY HIGHWAY INSPECTOR.
4. SEDIMENTATION AND SILTATION CONTROLS SHALL BE INSTALLED AS REQUIRED BY THE ENGINEERING DIVISION/WEO.
5. GRADING AROUND THE PROPOSED IMPROVEMENTS SHALL BE PERFORMED IN A MANNER WHICH PREVENTS ALL RUNOFF FROM BEING DIRECTED ONTO ADJACENT PROPERTIES, BOTH DURING AND AFTER CONSTRUCTION.
6. AS-BUILT PLOT PLANS SHALL BE SUBMITTED FOR ENGINEERING DIVISION REVIEW AT LEAST THREE (3) DAYS PRIOR TO THE REQUIRED ENGINEERING SIGN-OFF FOR ISSUANCE OF A CERTIFICATE OF OCCUPANCY (C.O.). AS-BUILT PLANS MUST INCLUDE AS-BUILT GRADING OF THE SITE.
7. ANY EXISTING DAMAGED SECTIONS OF SIDEWALK AND/OR CURBING IDENTIFIED BY THE CITY ALONG STREETS ADJUTING THE SITE SHALL BE REPLACED AT THE DIRECTION OF THE CITY'S ENGINEERING STAFF.

REMOVAL NOTES:

1. ANY SITE FEATURE NOT LABELED AS BEING REMOVED, REPLACED, ETC. IS INTENDED TO REMAIN.
2. EXISTING ABOVE AND BELOW GROUND UTILITIES TO REMAIN SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES.
3. DURING THE PRECONSTRUCTION MEETING, THE CONTRACTOR, ENGINEER AND CITY SHALL DETERMINE A SUITABLE LOCATION FOR THE TOPSOIL STOCKPILE.
4. SIDEWALKS TO BE REPLACED SHALL BE REPLACED TO THE NEAREST JOINT.

SIGNING AND PAVEMENT MARKING NOTES:

1. SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO MUTCD OR CONNDOT STANDARDS AS DEPICTED.
2. SIGNS SHALL BE INSTALLED WITH A BREAKAWAY FEATURE.
3. ALL PAVEMENT MARKINGS SHALL BE EPOXY RESIN.

ACCESSIBILITY NOTES:

1. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. ALL ACCESSIBLE EGRESSES SHALL BE FLUSH WITH THE ADJOINING MATERIAL UNLESS OTHERWISE NOTED ON THE PLANS.
3. WALKWAYS ALONG ACCESSIBLE ROUTES ARE NOT TO EXCEED 5% RUNNING SLOPE OR 2% CROSS SLOPE UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.
4. ALL RAMPS SHALL NOT EXCEED 1/4" OR 2% CROSS PITCH.

UTILITY AND DRAINAGE NOTES:

1. TOP OF FRAME ELEVATIONS SHOWN ON THESE PLANS REFLECT THE 2" STANDARD DEPRESSION FROM GUTTER LINE.
2. ALL CATCH BASINS SHALL HAVE A 2FT SUMP UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL YARD DRAINS SHALL BE "NYLOPLAST DRAIN BASINS" (OR APPROVED EQUAL) WITH THE STANDARD D.J. FRAME AND GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL APPROPRIATE UTILITY COMPANIES REGARDING A FINAL DESIGN, MEANS OF CONSTRUCTION AND AN EXACT LOCATION AND SIZE OF THE UTILITY PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF UNDERGROUND UTILITIES TO VERIFY PROPOSED DRAINAGE PIPE CLEARANCES PRIOR TO CUTTING PAVEMENT FOR PIPE TRENCHING EXCAVATIONS.
6. ALL WATERMAIN, WATER SERVICE AND SEWER WORK TO BE INSTALLED IN ACCORDANCE WITH THE BRISTOL WATER AND SEWER DEPARTMENT SPECIFICATIONS. CONTACT MIKE LYNCH AT THE BRISTOL WATER AND SEWER DEPARTMENT AT (860) 582-7431 OR mikelync@bristolct.gov PRIOR TO THE START OF CONSTRUCTION. THE SEWER CONTACT SHALL BE BRYAN ROBERTS AT (860) 582-7431 OR bryanroberts@bristolct.gov
7. THE BUILDING WILL HAVE A SINGLE METER INSTALLED AND ONCE THE OWNERS ENGINEER HAS DETERMINED THE MAX GPM TO BE SUPPLIED TO THE BUILDING, BRISTOL WATER AND SEWER DEPARTMENT WILL THEN DETERMINE METER SIZE.
8. ALL WATER SERVICE TAPS TO BE DONE BY THE CITY OF BRISTOL WATER DEPARTMENT. SEWER TAPS TO BE DONE BY CONTRACTOR (DEVELOPER).
9. THE UNUSED 6" FIRE SERVICE TO THE PROPERTY SHALL BE ABANDONED AT THE WATER MAIN; THE VALVE SHALL BE REMOVED AND A PLUG WILL BE INSTALLED.
10. WATER AND SEWER SHALL MAINTAIN A MINIMUM 10 FT HORIZONTAL SEPARATION.
11. SUBSEQUENT TO C.B.Y.D., THE CONTRACTOR SHALL IDENTIFY ANY POTENTIAL CONFLICTS BETWEEN EXISTING UNDERGROUND UTILITIES AND PROPOSED DRAINAGE AND UTILITIES WITHIN THE EASEMENT ALONG THE FRONTAGE.
12. IF THE CONTRACTOR ENCOUNTERS UNDERGROUND DRAINAGE AND/OR UTILITIES DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE PLANS, HE/SHE SHALL CONTACT THE ENGINEER FOR EVALUATION AND AS-BUILT.

GENERAL NOTES FOR EROSION AND SEDIMENTATION CONTROL

1. THIS PLAN OF DEVELOPMENT PROPOSES EROSION CONTROL MEASURES WHICH WILL PERFORM ONE OR MORE OF THE FOLLOWING FUNCTIONS: MINIMIZATION OF SOIL EXPOSURE, CONTROL OF RUNOFF, SHIELDING OF THE SOILS AND BINDING OF THE SOILS. PROPER EROSION MANAGEMENT WILL MINIMIZE THE NEED FOR EXTENSIVE SEDIMENTATION CONTROLS.
2. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
3. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD AND FOR A PERIOD AFTERWARDS UNTIL ALL AREAS ARE STABILIZED. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL MEASURES AFTER EACH STORM EVENT (1/2" OR MORE) OR ONCE A WEEK AND IMMEDIATELY MAKE ANY CORRECTIVE ACTION REQUIRED.
4. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE EROSION AND SEDIMENTATION CONTROL HANDBOOK.
5. RUNOFF SHALL ALSO BE CONTROLLED BY THE STAGING OF CONSTRUCTION ACTIVITY AND THE PRESERVATION OF NATURAL VEGETATION WHENEVER POSSIBLE.
6. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM AND RESTABILIZATION SHALL BE SCHEDULED AS SOON AS POSSIBLE. THE AREAS WHICH ARE LEFT EXPOSED FOR MORE THAN 30 DAYS, TEMPORARY SEEDING FOR STABILIZATION SHALL BE UTILIZED OR AN APPROVED EQUAL.
- A) SEED BED PREPARATION:
- REMOVE STONES LARGER THAN 2"
- APPLY LIMESTONE @ 90% / 1000 S.F.
- WORK LIME AND FERTILIZER INTO SOIL
- B) SEED APPLICATION:
- APPLY GRASS MIXTURE BY HAND OR CYCLONE SEEDER. LIGHTLY DRAG OR ROLL THE SEED SURFACE TO COVER SEED. OPTIMAL SEEDING SEASON IS BETWEEN MARCH 15TH AND JUNE 30TH OR BETWEEN AUGUST 15TH AND OCTOBER 30TH.
- IF SEEDING CAN NOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE STATED BELOW UNTIL SEEDING CAN TAKE PLACE.
- C) SEED MIX:
- CREEPING RED FESCUE 49% / ACRE
- TALL FESCUE 20% / ACRE
- D) MULCHING:
- IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDDED SURFACE WITH STRAW OR HAY AT A RATE OF 1-1/2 TONS / ACRE
- SPREAD MULCH BY HAND OR MULCH BLOWER.
- PUNCH MULCH INTO SOIL SURFACE WITH TRACK MACHINE OR DISK HARROW STRAIGHT UP. MULCH MATERIAL SHOULD BE "TUCKED" APPROXIMATELY 2" - 3" INTO SOIL SURFACE.
- E) TREE PROTECTION:
- LIMIT CONSTRUCTION ACTIVITIES THAT MIGHT CAUSE DAMAGE TO TREES. THE AREA ADJACENT TO, AND TREES THAT ARE TO BE PROTECTED, WILL BE IDENTIFIED AND CLEARLY MARKED. EXCAVATION SHOULD NOT OCCUR WITHIN THE ROOT ZONE OF THE TREES THAT ARE TO REMAIN. IN ADDITION, RAISING OR LOWERING THE GRADE NEAR REMAINING TREES SHOULD NOT OCCUR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY EROSION AND SEDIMENTATION CONTROL MEASURES DUE TO UNFORESEEN FIELD CONDITIONS. ADDITIONAL CONTROL MEASURES MAY ALSO BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY BY THE ENGINEER, ENVIRONMENTAL SUPERVISOR AND/OR TOWN ENGINEER.
8. ANY CHANGE TO THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN BY THE CONTRACTOR SHALL BE SUBMITTED BY THE CONTRACTOR IN WRITING AND APPROVED BY THE ENGINEER.
9. ANTI-TRACKING PADS SHALL BE INSTALLED WHERE CONSTRUCTION ACCESS MEETS A PAVED ACCESS POINT, OR AS DIRECTED BY THE ENGINEER.
10. STOCKPILE LOCATIONS SHALL BE DETERMINED PRIOR TO THE START OF CONSTRUCTION AND IF A STOCKPILE IS LOCATED OFF-SITE, THE LOCATION SHALL HAVE EROSION CONTROL MEASURES IN PLACE AND MEET ALL LOCAL REQUIREMENTS.
11. SLOPES SHALL BE RESTRICTED TO 2" HORIZONTAL TO 1" VERTICAL OR FLATTER THROUGH GRADING AND/OR RETAINING WALLS. WHERE LEDGE IS ENCOUNTERED, THE MAXIMUM CUT SLOPE MAY BE INCREASED TO 1 HORIZ.: 1 VERT. A 4FT HIGH PERMANENT SAFETY FENCE (e.g. CHAIN LINK FENCE) SHALL BE ADDED TO ALL ROCK CUTS GREATER THAN 4FT HIGH.
12. ALL SLOPES OR DISTURBED AREAS (EXCEPT PAVED AREAS) ARE TO BE STABILIZED WITH 4" OF TOPSOIL AND TURF MUST BE ESTABLISHED UNLESS OTHERWISE NOTED ON THE PLANS. STABILIZATION SHALL INCLUDE INSTALLATION OF EROSION CONTROL MATTING WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
13. SEDIMENTATION BARRIERS TO BE FIBRETEX 150 GRADE, OR APPROVED EQUAL. ANY DAMAGED BARRIERS SHALL BE REPLACED AND/OR RESET IMMEDIATELY FOLLOWING DAMAGE.
14. TEMPORARY PERVIOUS BARRIERS, USING SILT FENCE AND HAYBALES HELD IN PLACE WITH WOODEN STAKES, SHALL BE USED AT ALL AREAS WHERE STORM WATER CONTAINING SUSPENDED SEDIMENT COULD DRAIN OFF-SITE.
15. SCOTT BEAULIEU OR HIS DULY AUTHORIZED AGENT (860) 202-7789 IS RESPONSIBLE FOR NOTIFYING THE MUNICIPAL PLANNING AND ENGINEERING DEPARTMENTS AT LEAST 24 HOURS IN ADVANCE TO THE START OF ANY CONSTRUCTION ACTIVITY.
16. SCOTT BEAULIEU OR HIS DULY AUTHORIZED AGENT (860) 202-7789 IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING OFFICE OF ANY TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENTATION CONTROL PLAN IF THE TITLE OF THE LAND IS TRANSFERRED.
17. THESE PLANS WERE PREPARED IN ACCORDANCE WITH THE 2024 GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL, AS AMENDED. AN ADDITIONAL REFERENCE IS THE 1994 CONNDOT PUBLICATION "ON-SITE MITIGATION FOR CONSTRUCTION ACTIVITIES".

EROSION AND SEDIMENTATION CONTROL MAINTENANCE REQUIREMENTS

TOPSOIL STOCKPILES:

THE SIDE SLOPES SHALL NOT EXCEED A SLOPE GREATER THAN 2:1. STOCKPILES THAT WILL NOT BE USED WITHIN 30 DAYS SHOULD BE SEEDDED AND MULCHED. A SEDIMENTATION FENCE SHALL BE INSTALLED APPROX. 10 FT FROM THE TOE OF SLOPE.

IF THE TOPSOIL STOCKPILE LOCATION IS RELOCATED, IT SHALL BE LOCATED SO AS NOT TO OBSTRUCT THE NATURAL DRAINAGE PATTERN OF THE SITE. IT SHALL BE LOCATED AS FAR AS PRACTICAL FROM ANY WETLANDS, WATER COURSES, DRAINAGEWAYS AND STEEP SLOPES. IF THE LOCATION IS DOWNGRADIENT FROM A LONG SLOPE, DIVERT RUNOFF AROUND THE STOCKPILE.

CONSTRUCTION ENTRANCE PAD / ANTI-TRACKING PAD:

THE CONSTRUCTION ENTRANCE SHALL BE KEPT CLEAN OF ANY DEBRIS OR CONSTRUCTION MATERIALS. A PERIODIC TOP DRESSING OF STONE SHALL BE ADDED AS MAY BE REQUIRED TO KEEP THE ENTRANCE PAD WORKING EFFECTIVELY. IF A SEDIMENT SPILL OCCURS ON THE ROAD, IT SHALL BE CLEANED UP IMMEDIATELY.

SEDIMENTATION CONTROL FENCE:

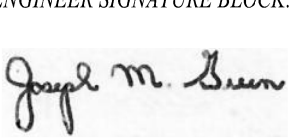
THE SEDIMENTATION CONTROL FENCE SHALL BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HRS OF A RAIN EVENT OF 0.5 INCHES OR MORE. IF A FAILURE OCCURS, REPAIR OR REPLACE THE FENCE WITHIN 24 HRS. ANY SEDIMENT DEPOSITS THAT REACH HALF THE HEIGHT OF THE FENCE SHALL BE REMOVED.

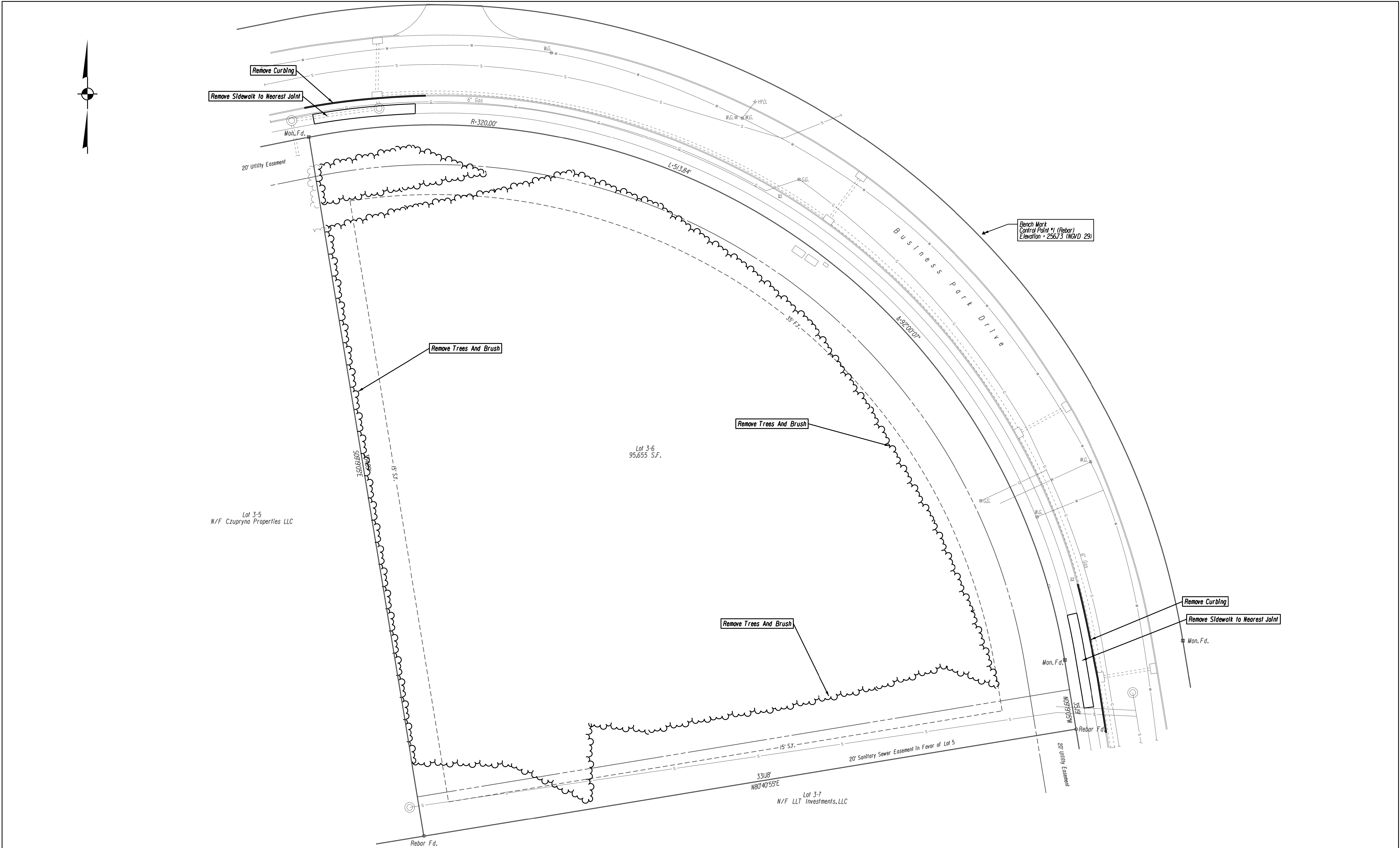
DUST CONTROL:

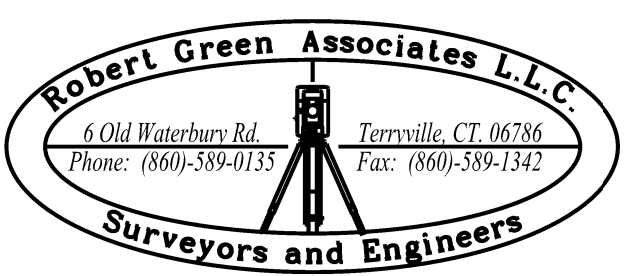
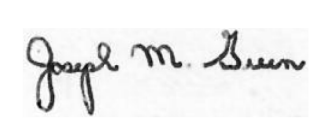
PERIODICALLY MOISTEN THE EXPOSED SOIL SURFACE TO KEEP TRAVELWAYS DAMP. AFTER THE TRAVELWAY HAS BEEN PAVED, PERIODIC SWEEPING MAY BE REQUIRED TO REMOVE DUST AND FINE MATERIALS ACCUMULATED FROM TRUCK TRAFFIC.

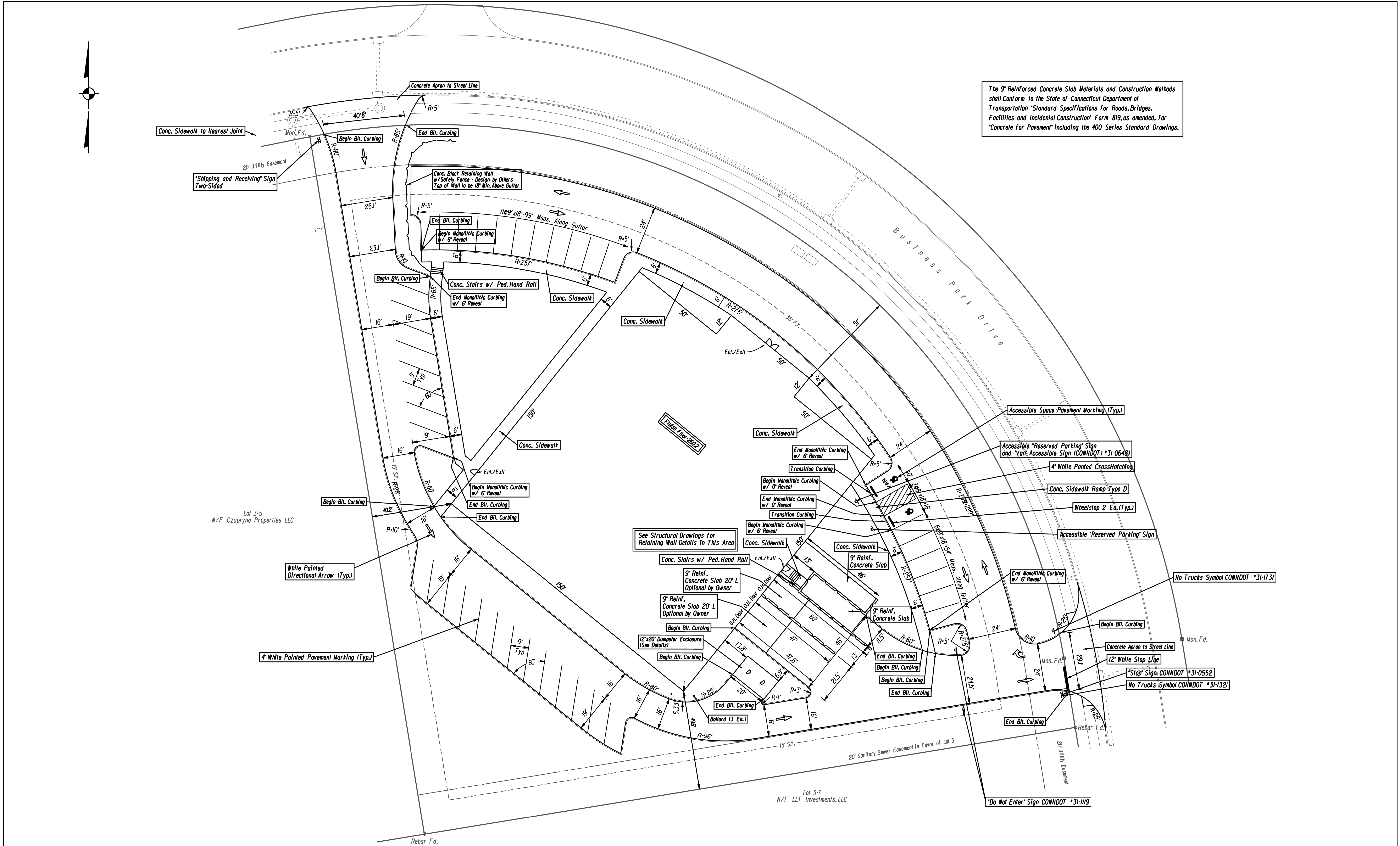
TREE PROTECTION:

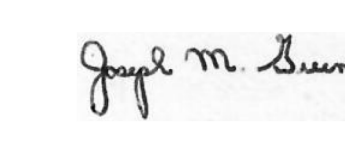
TREES TO BE PROTECTED WILL BE IDENTIFIED AND CLEARLY MARKED. CONSTRUCTION ACTIVITIES WITHIN THE ADJACENT AREA THAT MAY CAUSE DAMAGE TO THE TREE SHALL BE LIMITED AND TRUNK ARMORING PROVIDED.

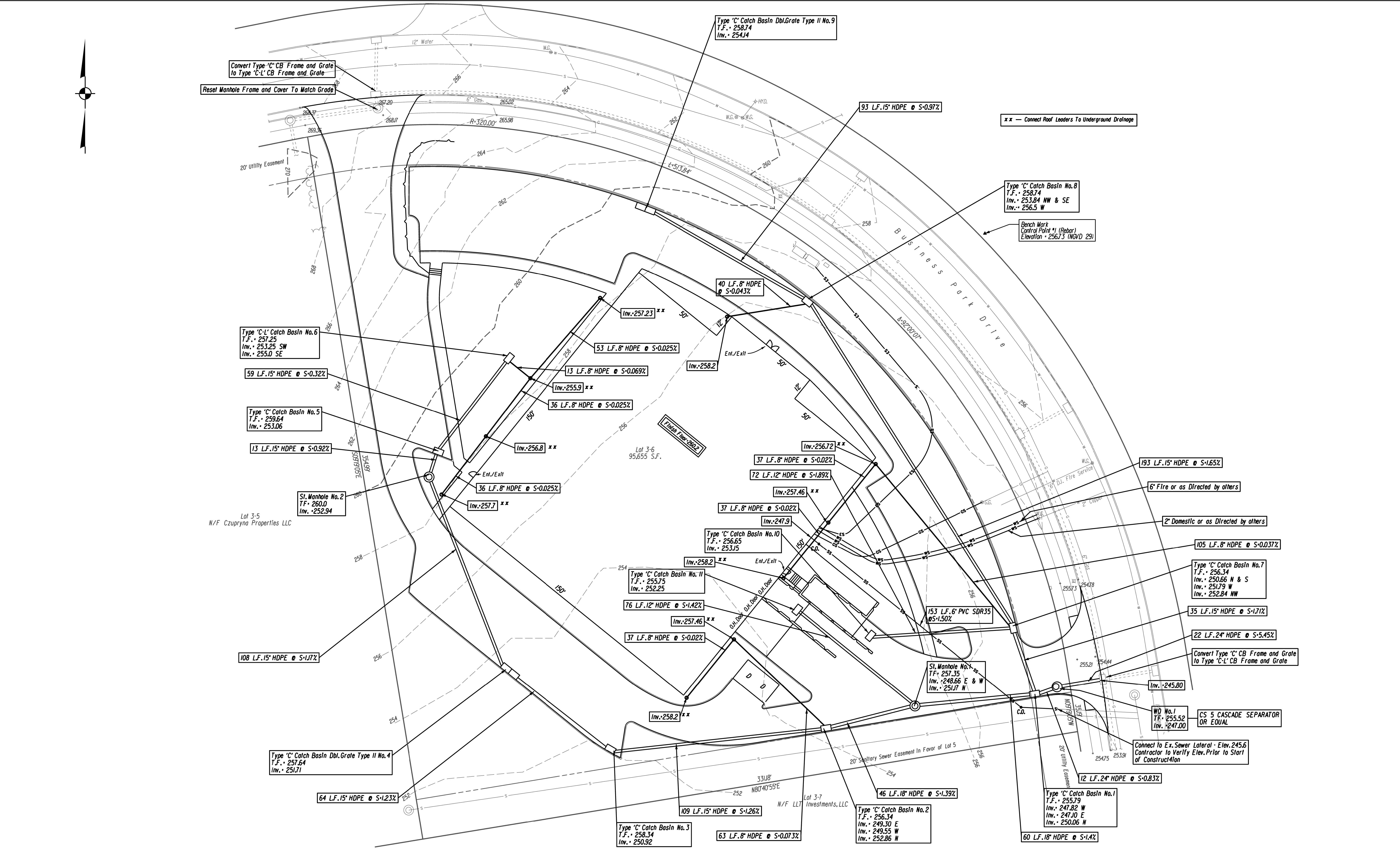
			DATE: JULY 10, 2026	SURVEYOR SIGNATURE BLOCK: TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.				ENGINEER SIGNATURE BLOCK: 	PROJECT TITLE: IMPROVEMENT LOCATION SURVEY-PROPOSED INTEGRITY MANUFACTURING ILLC 190 BUSINESS PARK DRIVE BRISTOL, CONNECTICUT	ASSESSOR'S MAP/LOT: MAP 3 LOT 6	DRAWING NO. NOTES-001
			NOT TO SCALE							DRAWING TITLE: GENERAL NOTES	SHEET NO. 3
REV:	DATE	REVISION DESCRIPTION									

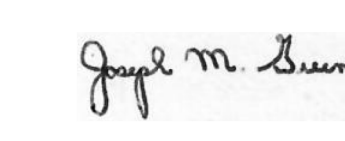


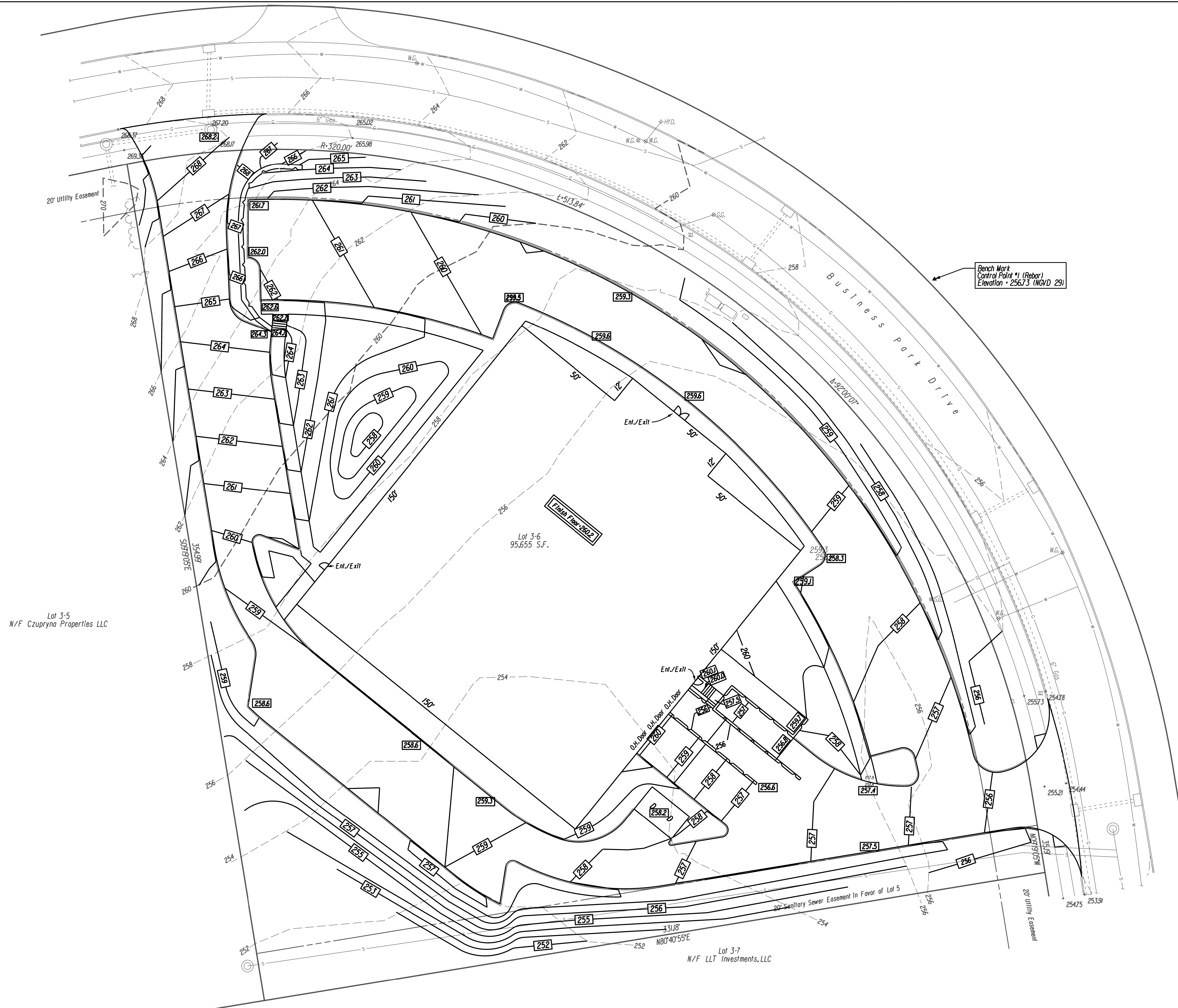
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	SCALE: SCALE IN FEET 0 20 40 SCALE 1"=20'						SHEET NO. 4
							DRAWING TITLE: SITE REMOVALS

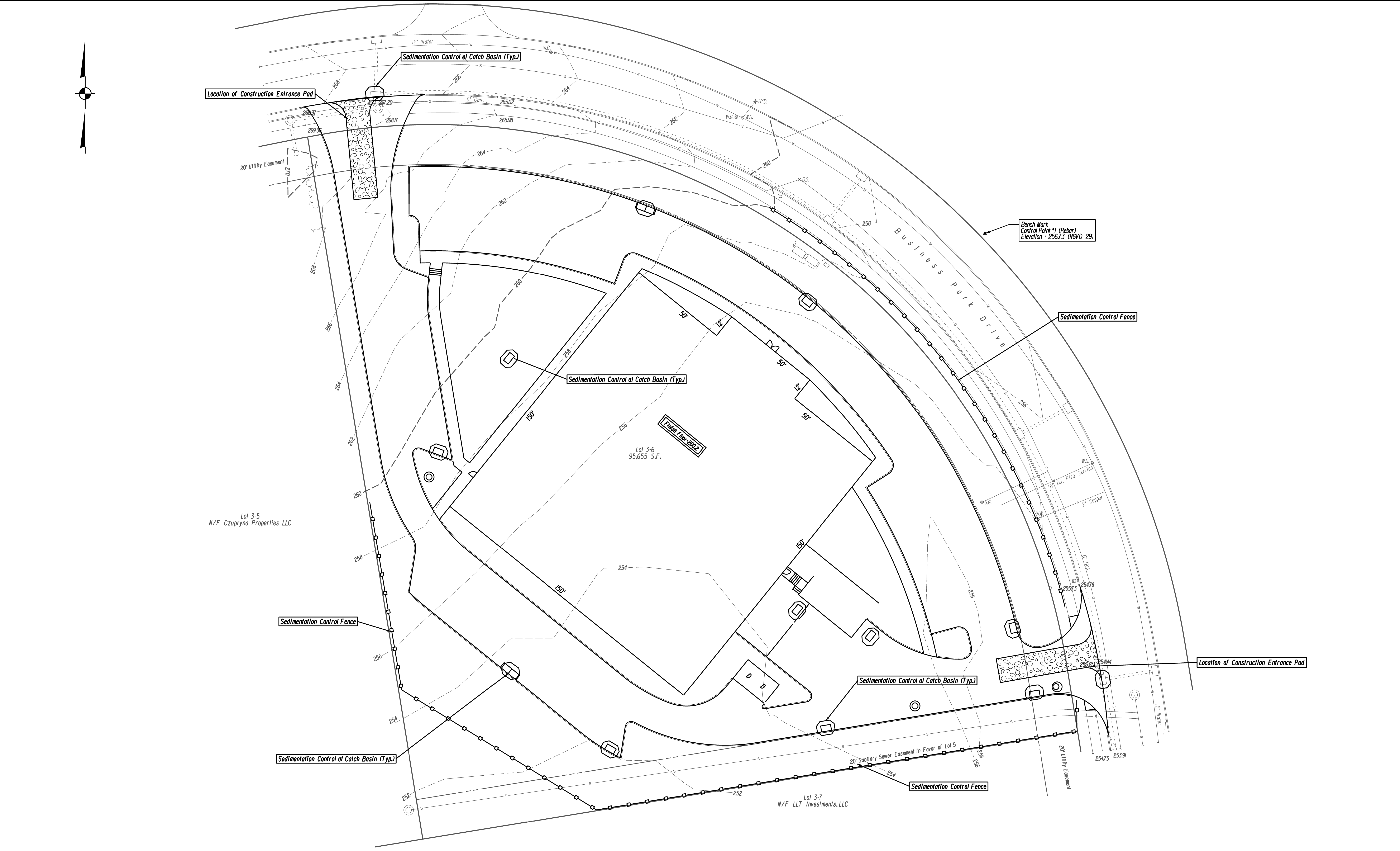


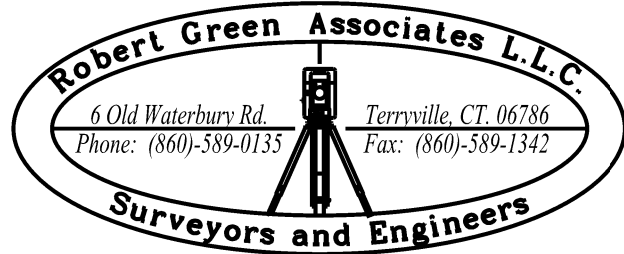
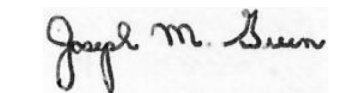
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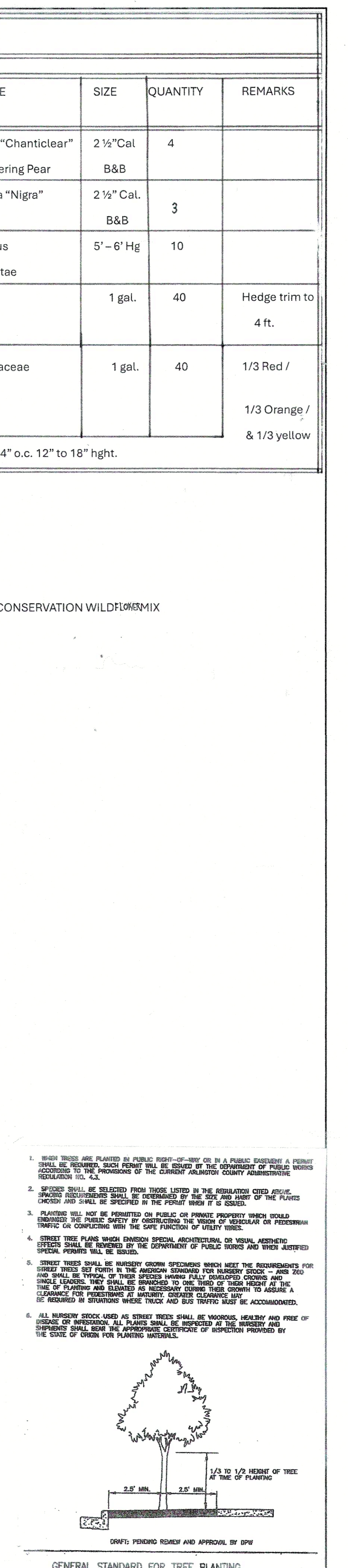


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		SCALE: SCALE IN FEET SCALE 1"=20'						
REV. DATE		REVISION DESCRIPTION						
							DRAWING TITLE: MAP 3 LOT 6 DRAINAGE AND UTILITIES	

Page 17



		DATE: JULY 10, 2026	SURVEYOR SIGNATURE/BLOCK: TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.			ENGINEER SIGNATURE/BLOCK: 	PROJECT TITLE: IMPROVEMENT LOCATION SURVEY-PROPOSED INTEGRITY MANUFACTURING LLC 190 BUSINESS PARK DRIVE BRISTOL, CONNECTICUT	DRAWING NO. E&S-001
REV. DATE REVISION DESCRIPTION		SCALE: SCALE IN FEET 0 20 40 SCALE 1"=20'						SHEET NO. 8



	LAWN SEED MIX
	MULCH BED
	NEW ENGLAND CONSERVATION WILDFLOWER MIX

EVERGREEN TREE PLANTING WITHOUT GUY WIRES

Labels for Evergreen Tree Planting:

- GUY SURPLAP FROM TOP 1/3 OF ROOT BALL
- TOP SOIL
- FORMED GRADE
- PLANTING MIX
- SUBGRADE
- SURVEY ANY GRADED STRIPS OR HORIZONTAL SURFACES IF P.T.E. ARE DUE WITH AUGERING DEVICE
- THREE TIMES ROOT BALL TOP DIAMETER
- TOP OF ROOT BALL AT OR NEARLY ABOVE P.T. GRADE
- CONCRETE TIE LINES SHALL BE INSTALLED TO PREVENT SETTLING

DECIDUOUS TREE PLANTING WITHOUT GUY WIRES

Labels for Deciduous Tree Planting:

- REMOVE SURFACE AND GRADIENT FROM TOP 1/3 OF TREE BALL BEARING
- TOP OF BALL TO BE SET 2" TO 3" ABOVE THE LEVEL OF THE SUBSURROUNDING SOIL
- 3" DEPTH SHOULDER
- 18"
- 18"
- SUBGRADE
- BRIDGEL WITH EXISTING SOIL 1/2 CLAY COMPOSED TOPSOIL & 1/2 FERTILE MATERIAL PROVIDED BY THE COUNTY
- UNDISTURBED SOIL
- REMOVE SURFACE AND GRADIENT FROM TOP 1/3 OF TREE BALL BEARING
- CHISEL TRAIL OF TREE IS P.T.
- REMOVE EXISTING SOIL WITHIN TREE BALL 48" DIAMETER
- REMOVE EXISTING UNDESIRABLE SOIL TO 18" DEPTH (GRADE TO 18" IF ACCEPTED HORIZONTAL PLANTING FRANCHISE)

PLANTING TREES IN OPEN AREA OR GRASS STRIP

Labels for Planting Trees in Open Area or Grass Strip:

- SOFT SOIL STRIPS
- STING
- FORMED POLYPROPYLENE STAKING MATERIAL
- CONCRETE SIDE
- WHEEL SIDE
- ONE SOIL STRIP
- PLAN
- 2" X 2" X 7' MIN. HARDWOOD STAKE OR FIELD SET PLUMB
- SHOULDER INTO SUBGRADE
- TOP OF SOIL ON CONCRETE SIDE OF SLOPE
- NOVEN POLYPROPYLENE STAKING MATERIAL
- FORMED GRADE
- NOV. SLOPE
- 3" DARK MULCH
- PLANTING MIX MOIST

GROUND CORNER PLANTING DETAIL

Labels for Ground Corner Planting Detail:

- MULCH MULCHED BROWN PLANTS
- WATER THOROUGHLY PRIOR TO THE FIRST 48 HOURS
- SUBSOIL TO BE BROKEN WITH A PICK AND 1/2 CLAY EXISTING SOIL 1/2 SAND AND 1/2 GRASSY MATTER
- MIN.
- PERKING LOT, TERRACE

TYPICAL HEDGE PLANTING AROUND PARKING LOTS

Labels for Typical Hedge Planting:

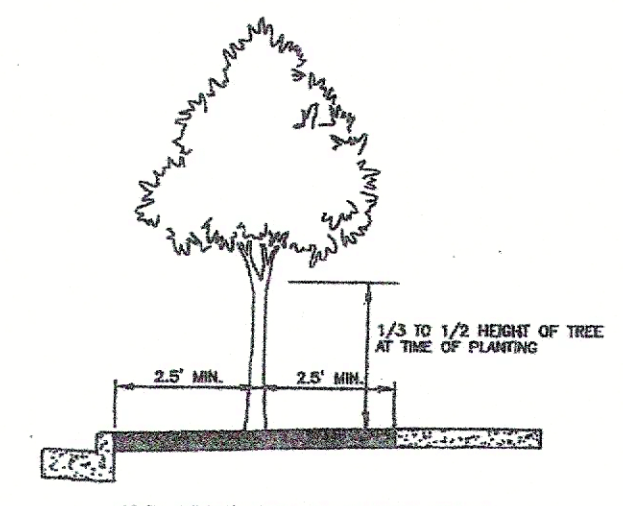
- CONCRETE WATER SHOULDER WITH 3" BUSH BEHIND
- REMOVE SURPLAP FROM TOP OF BALL
- REMOVE WITH 1/2 CLAY EXISTING SOIL 1/4 SAND, 1/4 ORGANIC MATTER
- MIN.
- SHRUB PLANTING DETAIL

NOTES:

- THIS DETAIL SHALL APPLY TO TREES PLANTED ON SLOPE SLOPES OR STEEPER UNLESS OTHERWISE INDICATED BY OWNER OR OWNER'S REPRESENTATIVE. SLOPES LESS THAN 2:1 OR GREATER, ALL EXISTING ROOTS 6" OR GREATER, AND MULCH-STEAMED TREES 6" FT. OR GREATER IN HEIGHT SHALL BE STAKED AS SHOWN.
- NOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE REEPOOF ANASTOTIC (GREEN) OR ANASTOTIC (COUNTRY). INSTALL STAKED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

DRAFT: PENDING REVIEW AND APPROVAL BY DPM

- 1. **WATER TRAYS** ARE PLANTED IN PUBLIC RIGHT-OF-WAY IN A PUBLIC EMERGENCY A PERMIT SHALL BE REQUIRED, SUCH PERMIT WILL BE ISSUED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, 100 PROSPECT STREET, NEWTON, MASSACHUSETTS 02459.
- 2. **SPACING** SHALL BE SELECTED FROM THOSE LISTED IN THE REGULATION CITY CODE.
- 3. **SPACING REQUIREMENTS** SHALL BE DETERMINED BY THE SIZE AND HEIGHT OF THE PLANTS.
- 4. **PLANTING** WILL NOT BE PERMITTED ON PUBLIC OR PRIVATE PROPERTY WHICH WOULD ENDANGER THE PUBLIC SAFETY BY OBSTRUCTING THE VIEW OF VESSELOR OR PEDESTRIAN TRAVELER WHILE DRIVING OR WALKING.
- 5. **STREET TREE PLANTS WHICH INCLUDE SPECIAL ARCHITECTURAL, OR VISUAL AESTHETIC VALUE** SHALL BE REVIEWED BY THE DEPARTMENT OF PUBLIC WORKS AND THEN AFTER THEIR SPECIFIC PLANS WILL BE ISSUED.
- 6. **STREET TREES SHALL BE NURSERY GROWN SPECIMENS WHICH MEET THE REQUIREMENTS FOR PLANTING** AND BE PROVIDED WITH THE FOLLOWING INFORMATION: (a) SPECIES NAME, (b) SIZE, (c) LEADERSHIP, (d) TRUNK DETERMINATION, (e) SPECIES VARIETY, (f) DATE OF GROWING AND (g) LEADERSHIP. ALL TREES SHALL BE PROVIDED WITH A TAG TO ASSURE A CLEARANCE FOR PEDESTRIANS AT MINIMUM. CROWN CLEARANCE SHALL BE MAINTAINED.
- 7. **ALL NURSERY SPECIMENS USED AS STREET TREES SHALL BE MOOSUNG, HEALTHY AND FREE OF DISEASE OR INFESTATION. ALL PLANTS SHALL BE INSPECTED AT THE NURSERY AND REPRODUCTION PLANTS. THE DEPARTMENT OF PUBLIC WORKS WILL CONDUCT INSPECTION PROVIDED BY THE STATE OF NEW YORK FOR PLANTING MATERIALS.**



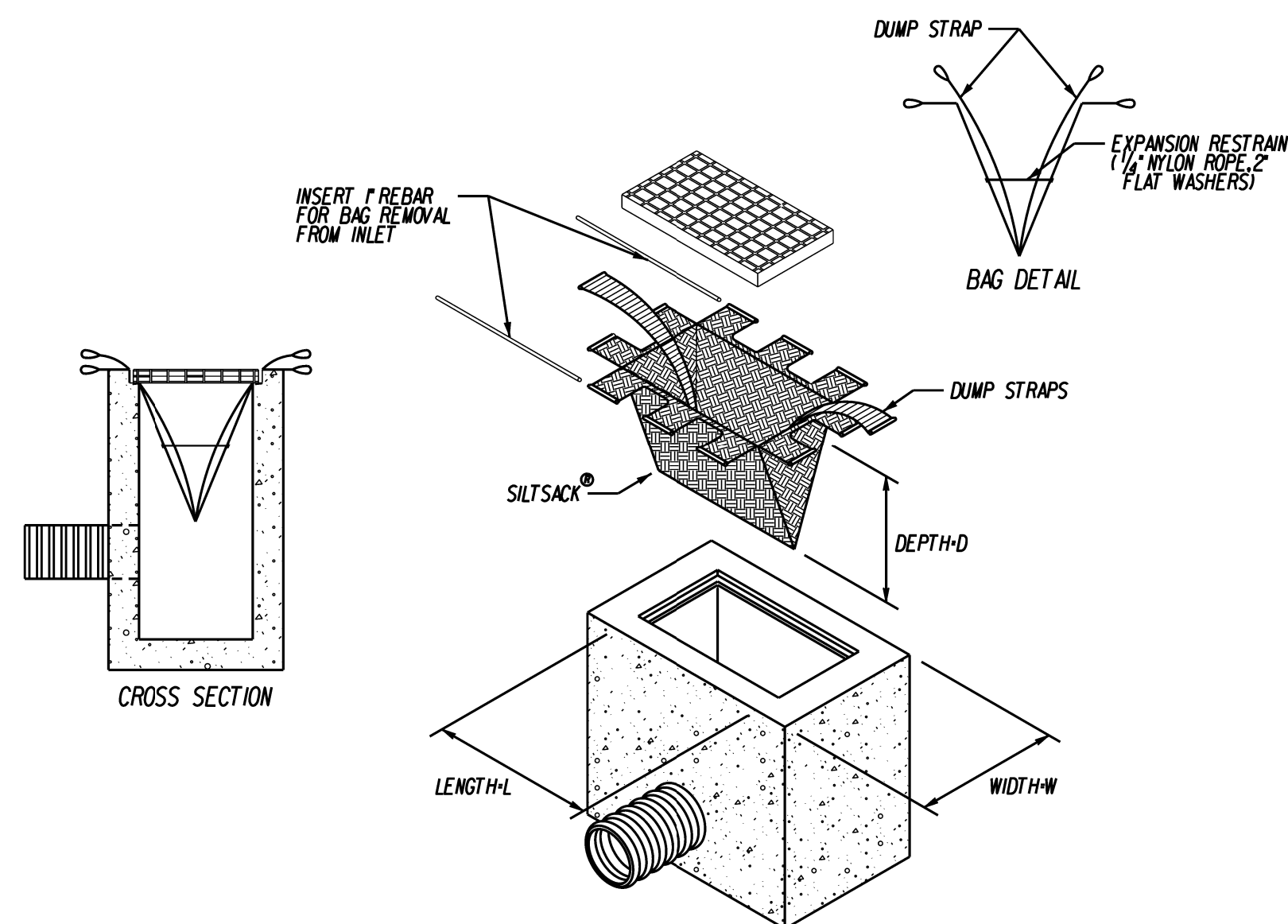
GENERAL STANDARD FOR TREE PLANTING

Robert Green Associates L.L.C.

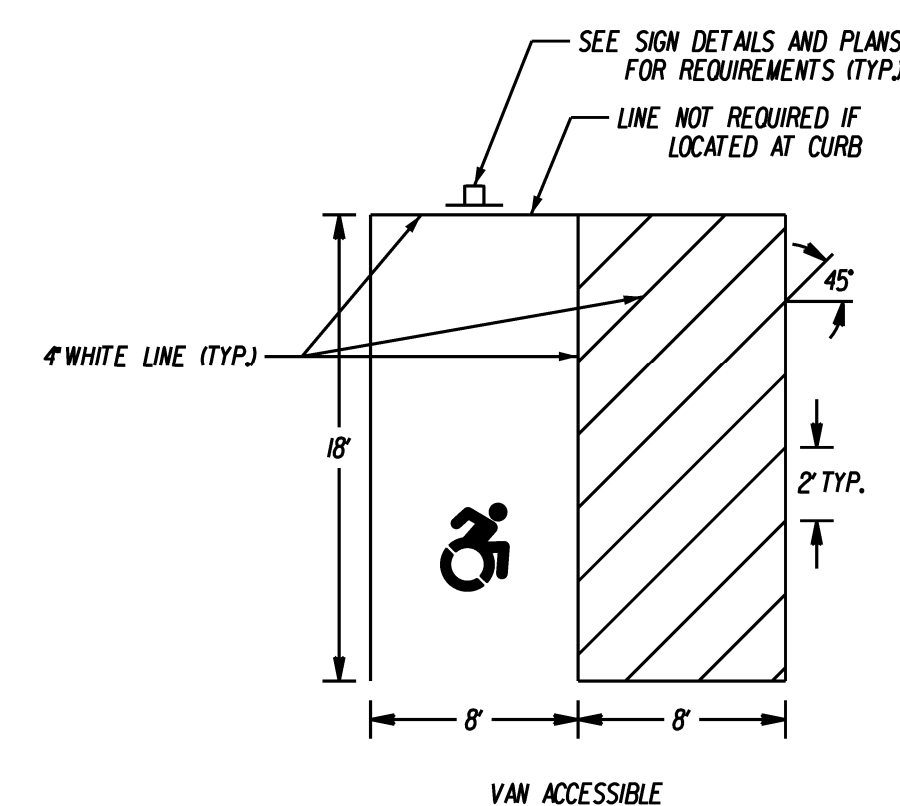
6 Old Waterbury Rd. Phone: (860)-589-0135

Terryville, CT. 06786 Fax: (860)-589-1342

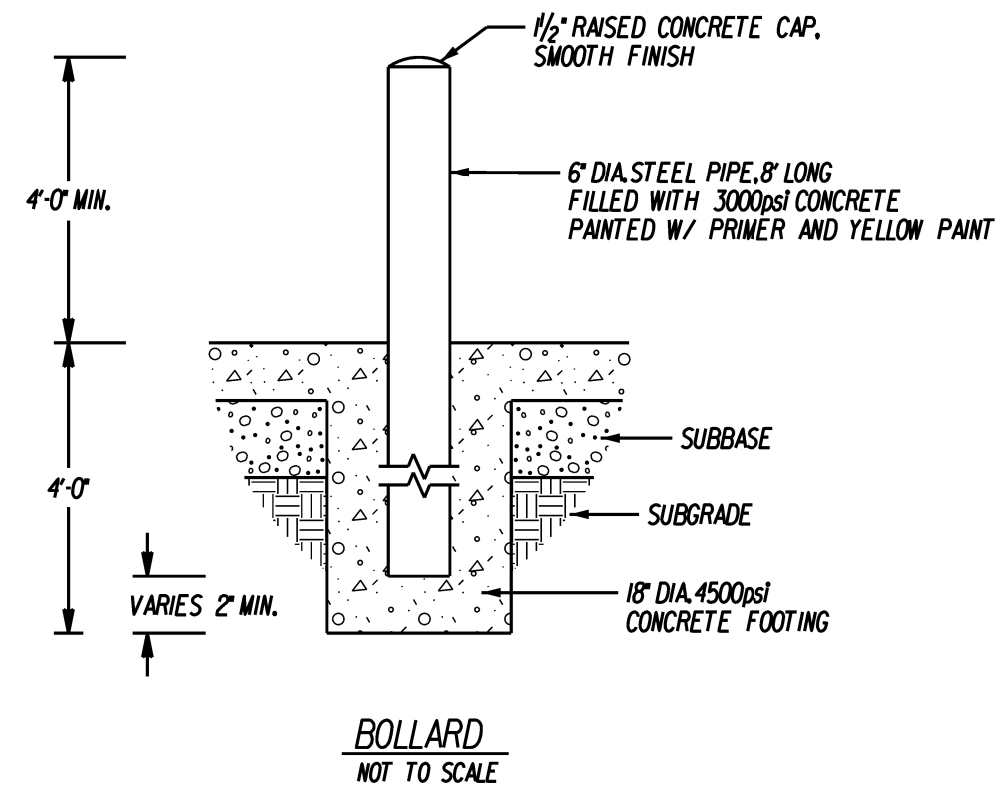
Surveyors and Engineers



CONSTRUCTION ENTRANCE PAD
NOT TO SCALE



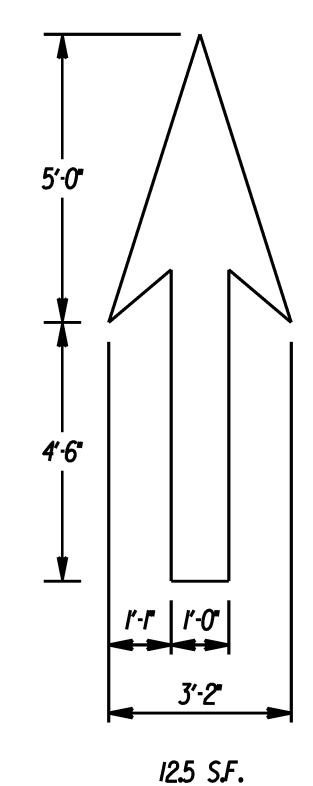
PARKING STALLS FOR HANDICAPPED
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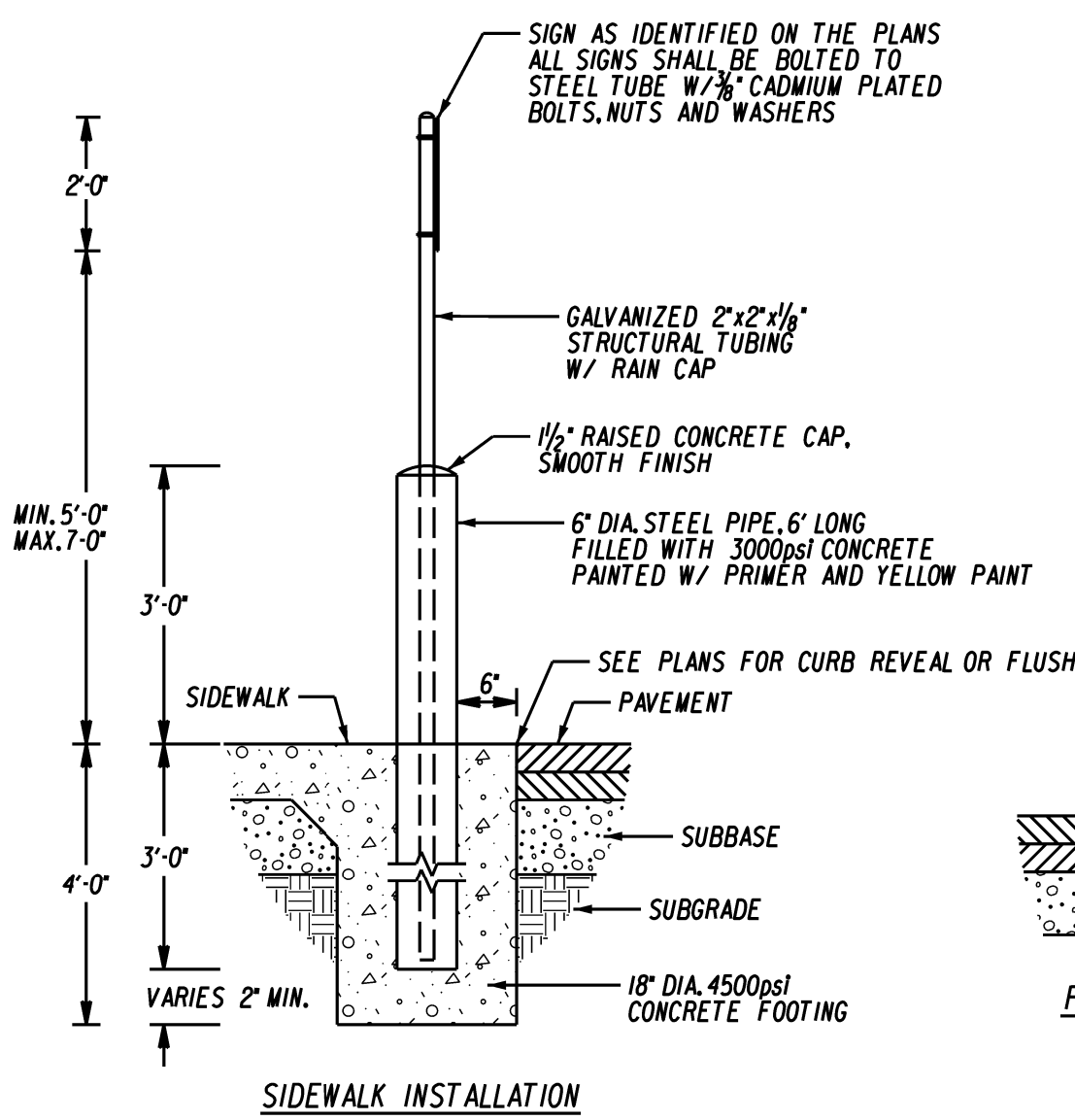
BOLLARD
NOT TO SCALE



SYMBOL OF ACCESS PARKING SPACE MARKING
(TO COMPLY WITH CT.P.A.*16-78)
NOT TO SCALE



PAVEMENT ARROW DETAIL (WHITE)
NOT TO SCALE

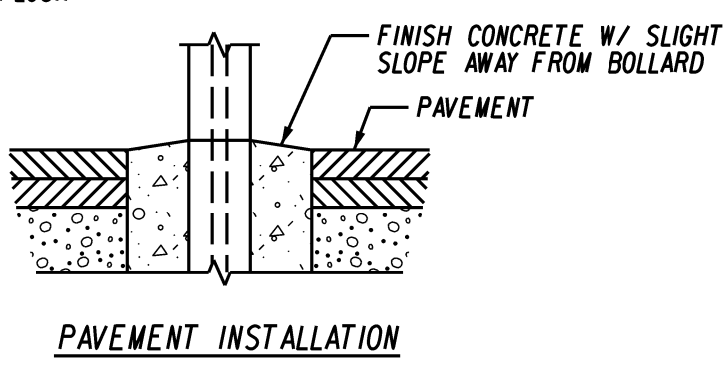


SIDEWALK INSTALLATION

NOTES:

1. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A123-78 (OR LATEST VERSION).
2. BOLTS SHALL NOT PROTRUDE MORE THAN $\frac{3}{4}$ " BEYOND THE NUT WHEN TIGHT, BUT SHALL FULLY ENGAGE ALL THREADS ON THE NUT.
3. SEE PLANS FOR TYPE OF INSTALLATION AND WHETHER TO BE INSTALLED WITH OR WITHOUT A SIGN.

BOLLARD / SIGN BOLLARD
NOT TO SCALE



PAVEMENT INSTALLATION

AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
	24X12			.080

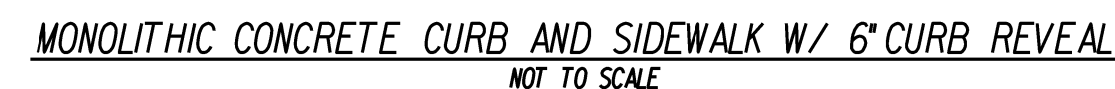
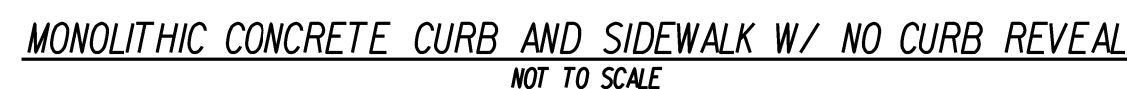


**LEGEND - WHITE
BACKGROUND - RED**

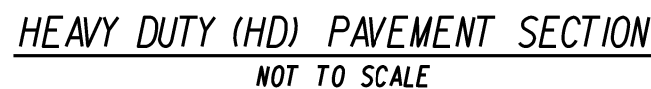
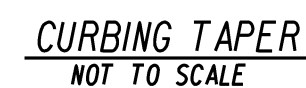
AREA (SQ. FT.) (INCHES)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
	30X30	31-1119		.080



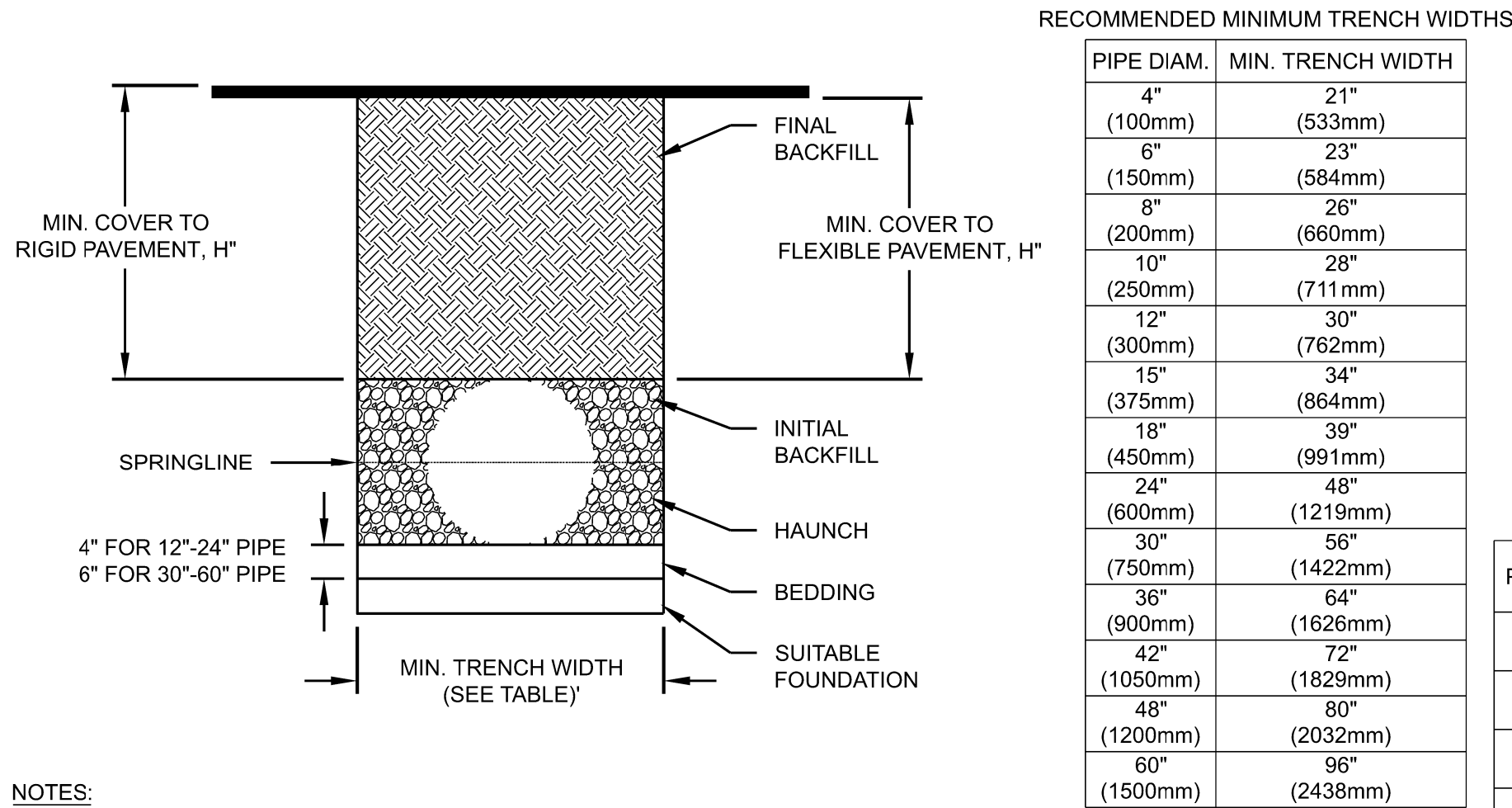
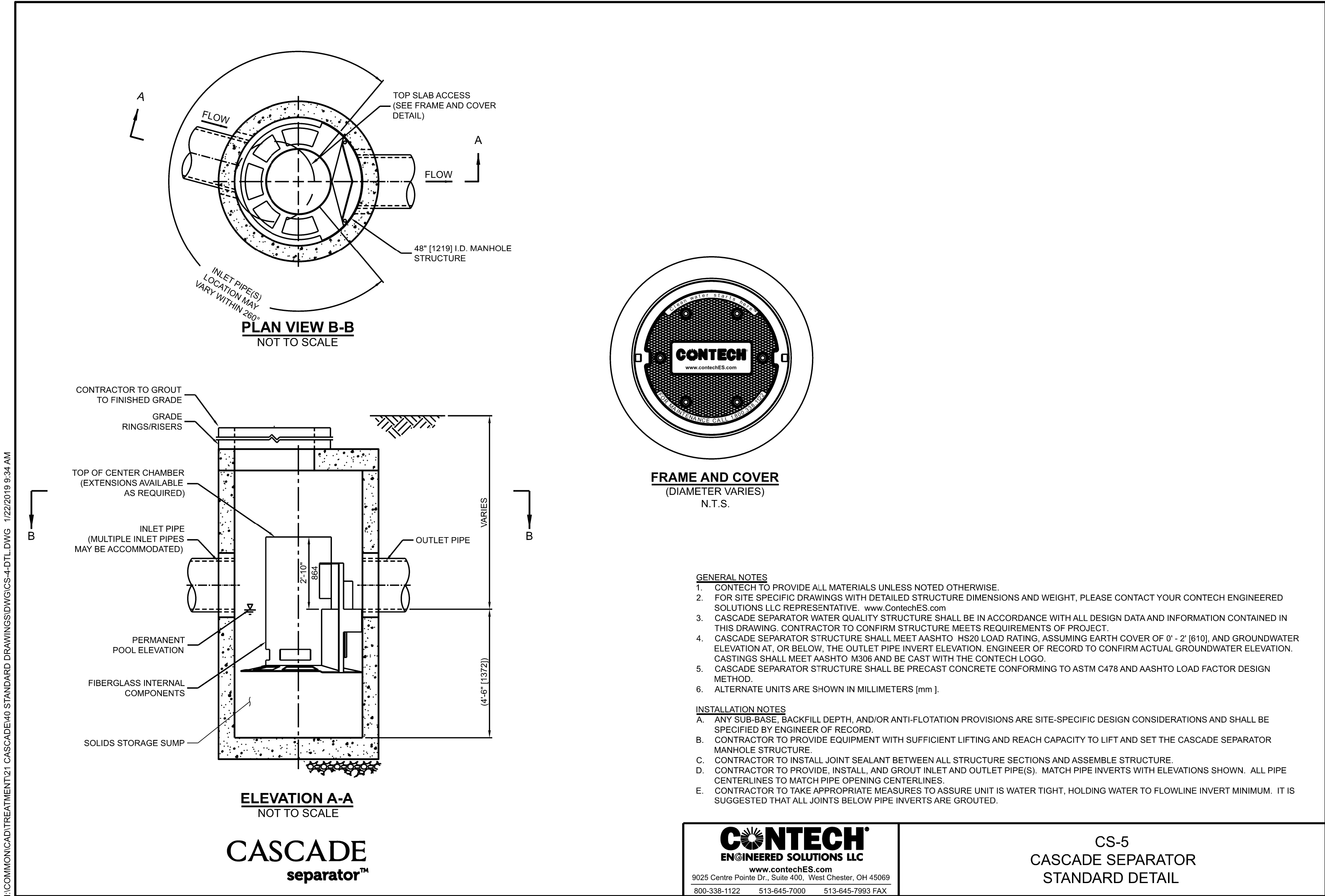
- NOTES:
1. PRELIMED WASTIC EXPANSION JOINTS SHALL BE PLACED AT MATCH JOINTS AND AT 20'-0" INTERVALS FOR CONTINUOUS POURS. JOINTS SHALL BE FULL DEPTH OF POUR AND 1 1/2" THICK.
 2. DIMMY JOINTS SHALL BE INSTALLED USING A JOINTING TOOL AS DIRECTED, PERPENDICULAR TO THE EDGE AT 5'-0" ON CENTER.
 3. CONCRETE SURFACE SHALL BE FINISHED WITH A WOOD FLOAT OR BY OTHER APPROVED MEANS AND A NON-SLIP LIGHT BROOM FINISH APPLIED PERPENDICULAR TO THE EDGE OF WALK.
 4. OUTSIDE EDGES AND ALL JOINTS SHALL BE EDGED WITH A 1/4" RADIUS EDGING TOOL.
 5. WHEN APPLICABLE, MAINTAIN 1/4" PER 1'-0" MAX. CROSS SLOPE TOWARDS GUTTER.



- NOTES:
1. PRELIMED MASTIC EXPANSION JOINTS SHALL BE
PLACED AT MATCH JOINTS AND AT 20'-0" INTERVALS
FOR CONTINUOUS POURS. JOINTS SHALL BE FULL
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12/22/2019 9:34 AM I:\COMMON\GADTREATMENT\21 CASCADE\A STANDARD DRAWINGS\DWGS-JDL.DWG



NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

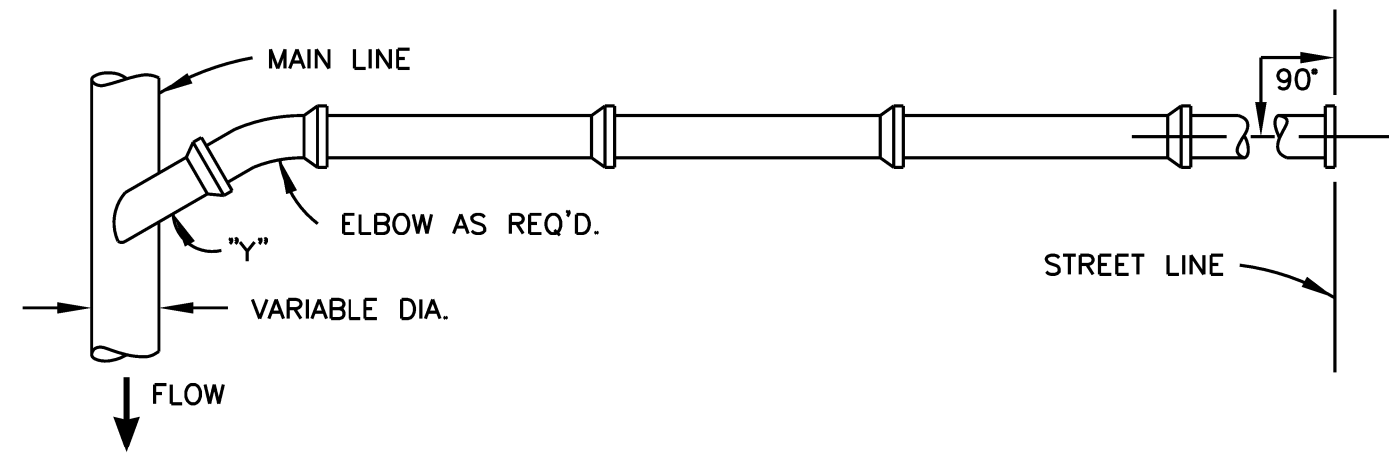
MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**		
PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48" (300mm - 1200mm)	12"	48"
60" (1500mm)	24" (610mm)	60" (1524mm)

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER
**SEE BACKFILL REQUIREMENTS IN NOTE 6.

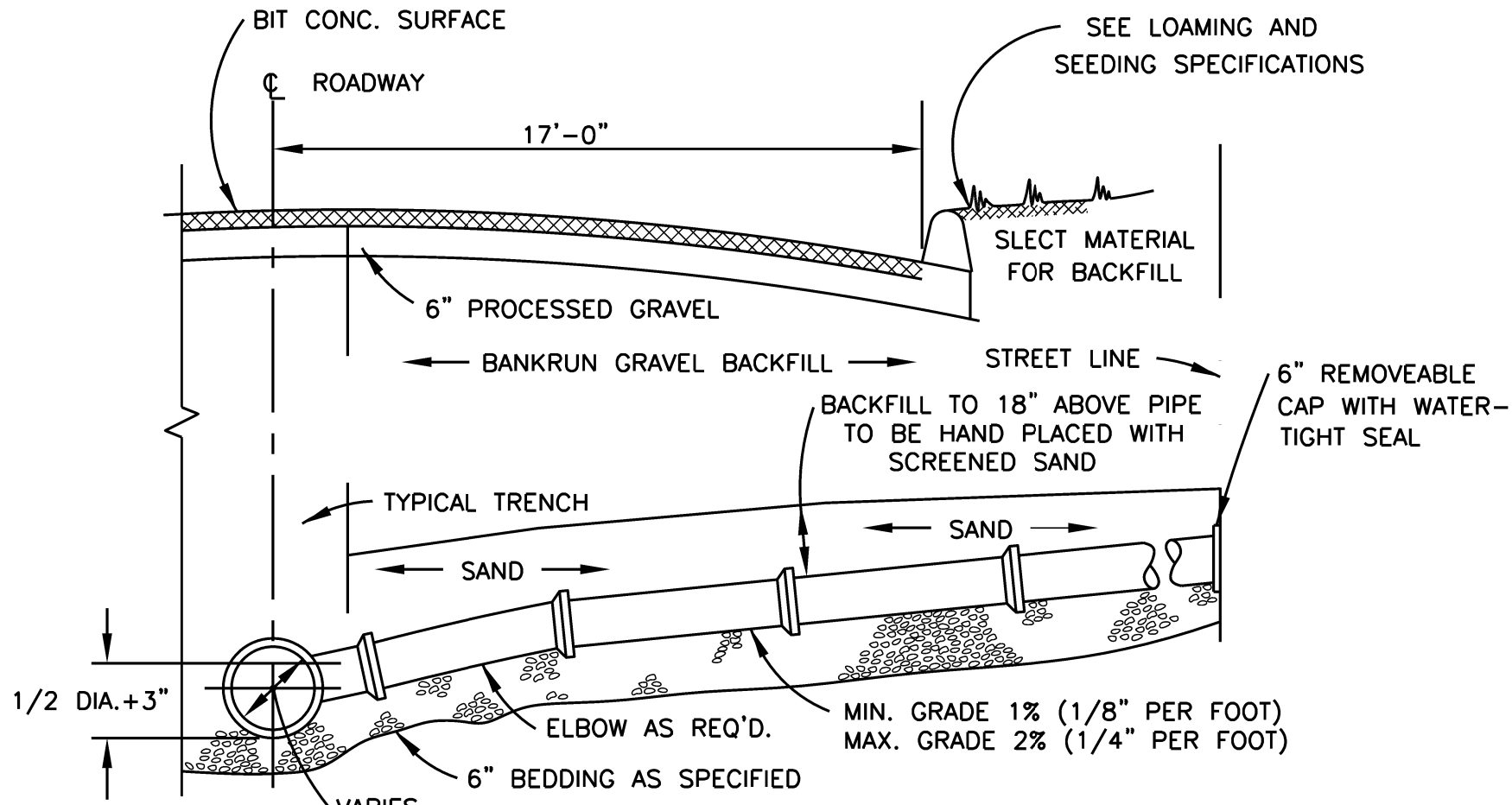
MAXIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS					
PIPE DIAM.	CLASS I		CLASS II		CLASS III
	COMPACTED	DUMPED	95%	90%	95%
4" (100mm)	34 (10.4m)	16 (4.9m)	23 (7.0m)	16 (4.9m)	17 (5.2m)
6" (150mm)	40 (12.2m)	19 (5.8m)	27 (8.2m)	19 (5.8m)	20 (6.1m)
8" (200mm)	30 (9.1m)	14 (4.3m)	21 (6.4m)	14 (4.3m)	15 (4.6m)
10" (250mm)	34 (10.4m)	16 (4.9m)	23 (7.0m)	16 (4.9m)	17 (5.2m)
12" (300mm)	35 (10.7m)	17 (5.2m)	24 (7.3m)	17 (5.2m)	18 (5.5m)
15" (375mm)	37 (11.3m)	18 (5.5m)	25 (7.6m)	18 (5.5m)	19 (5.8m)
18" (450mm)	32 (9.8m)	15 (4.6m)	22 (6.7m)	15 (4.6m)	16 (4.9m)
24" (600mm)	27 (8.2m)	13 (4.0m)	19 (5.8m)	13 (4.0m)	14 (4.3m)
30" (750mm)	22 (6.7m)	11 (3.4m)	16 (4.9m)	11 (3.4m)	11 (3.4m)
36" (900mm)	26 (7.9m)	12 (3.7m)	18 (5.5m)	12 (3.7m)	13 (4.0m)
42" (1050mm)	24 (7.3m)	11 (3.4m)	17 (5.2m)	11 (3.4m)	12 (3.7m)
48" (1200mm)	23 (7.0m)	11 (3.4m)	16 (4.9m)	11 (3.4m)	12 (3.7m)
60" (1500mm)	26 (7.9m)	12 (3.7m)	18 (5.5m)	12 (3.7m)	13 (4.0m)

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE.
UNIT WEIGHT OF SOIL (γs) = 120 PCF

TYPICAL TRENCH DETAIL FOR HDPE PIPE
NOT TO SCALE



TYPICAL SANITARY SEWER CONNECTION - PLAN



			DATE: JULY 10, 2026	SURVEYOR SIGNATURE/BLOCK: TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.				ENGINEER SIGNATURE/BLOCK: <i>Joseph M. Green</i>	PROJECT TITLE: IMPROVEMENT LOCATION SURVEY-PROPOSED INTEGRITY MANUFACTURING ILLC 190 BUSINESS PARK DRIVE BRISTOL, CONNECTICUT	ASSESSOR'S MAP/LOT: MAP 3 LOT 6	DRAWING NO. MISC-003
REV.	DATE	REVISION DESCRIPTION	SCALE: AS NOTED							DRAWING TITLE: MISCELLANEOUS NOTES AND DETAILS	SHEET NO. 11