

LOCATION MAP

N.T.S.

LAND DEVELOPMENT PLANS ISSUED FOR PERMITTING

PROPOSED RETAIL DEVELOPMENT 580 LAKE ROAD ANDOVER, CONNECTICUT

PREPARED FOR:
GARRETT HOMES, LLC
59 FIELD STREET
TORRINGTON, CT 06790



VICINITY MAP

SCALE: 1"=600'

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	CONCEPTUAL EXTERIOR ELEVATIONS (BY OTHERS)

PREPARED BY:



100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

DEVELOPER:
GARRETT HOMES, LLC
59 FIELD STREET
TORRINGTON, CT 06790
(860) 307-5479

OWNER:
LAKE ROAD, LLC
30 BRIAN DRIVE
BOLTON, CT 06043

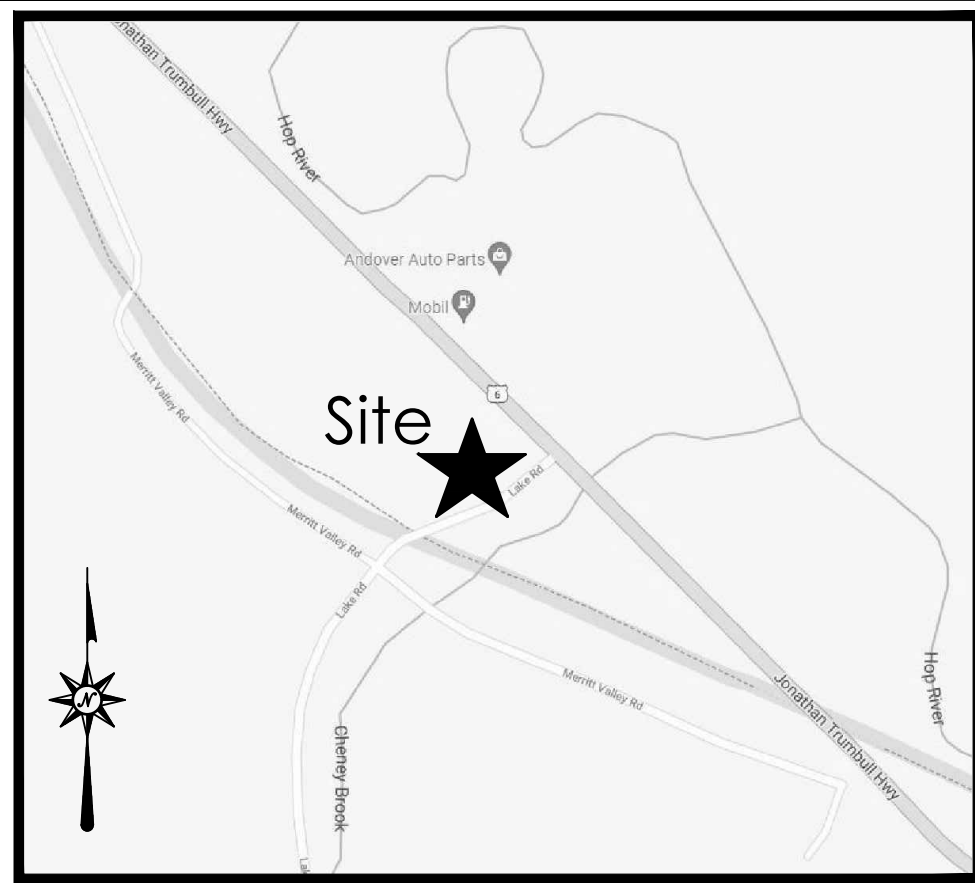
SUBCONSULTANTS:

STONES RIVER ELECTRIC - LIGHTING PLAN
BKA ARCHITECTS - ARCHITECTURAL PLANS



DATES

ISSUE DATE: NOVEMBER 18, 2021
REVISION: DECEMBER 10, 2021 (REV PER HEALTH DEPARTMENT COMMENTS)
JANUARY 10, 2021 (REV PER HEALTH DEPARTMENT COMMENTS)
JANUARY 28, 2022 (REV PER CTDOT COMMENTS)



LOCATION MAP
NOT TO SCALE

SCHEDULE B, SECTION II:

TITLE COMMITMENT REFERENCE NUMBER	RECORDING REFERENCE	DESCRIPTION	STATUS ON PLAT
8	V 71 PG 753	EASEMENTS AND RIGHTS AS SET FORTH IN WARRANTY DEED FROM WILLIAM S. MERRITT TO THE STATE OF CONNECTICUT.	PLOTTED
9	MAP 901-A	THOSE MATTERS AS SHOWN ON MAP.	PLOTTED

REFERENCE: FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NO. CT5548665,
COMMITMENT DATE: AUGUST 24, 2021.

RECORD LEGAL DESCRIPTION

ALL THAT CERTAIN PIECE OR PARCEL OF LAND LOCATED ON THE SOUTHWESTERLY SIDE OF JONATHAN TRUMBULL HIGHWAY (U.S. ROUTE 6) IN THE TOWN OF ANDOVER, COUNTY OF TOLLAND, AND THE STATE OF CONNECTICUT, SHOWN ON A MAP ENTITLED "PROPERTY SURVEY PREPARED FOR PROTECH SERVICES JONATHAN TRUMBULL HIGHWAY (U.S. ROUTE 6) & LAKE ROAD ANDOVER, CONNECTICUT DATE: 8/15/2001 SCALE 1"=30' SHEET 2 OF 5 DWG. NO. 01C-01-01 DRAWN: AMR CHK BY: CG JOB NO. 013091 FIELD BOOK: 360 REVISIONS 10/1/2001 TOWN COMMENTS 12/18/01 PROVOST ROVERO FITZBACK ARCHITECTURE ENGINEERING SURVEYING 57 EAST MAIN STREET, P.O. BOX 191 PLAINFIELD, CONNECTICUT (860) 230-0856 - FAX (860) 230-0880" BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

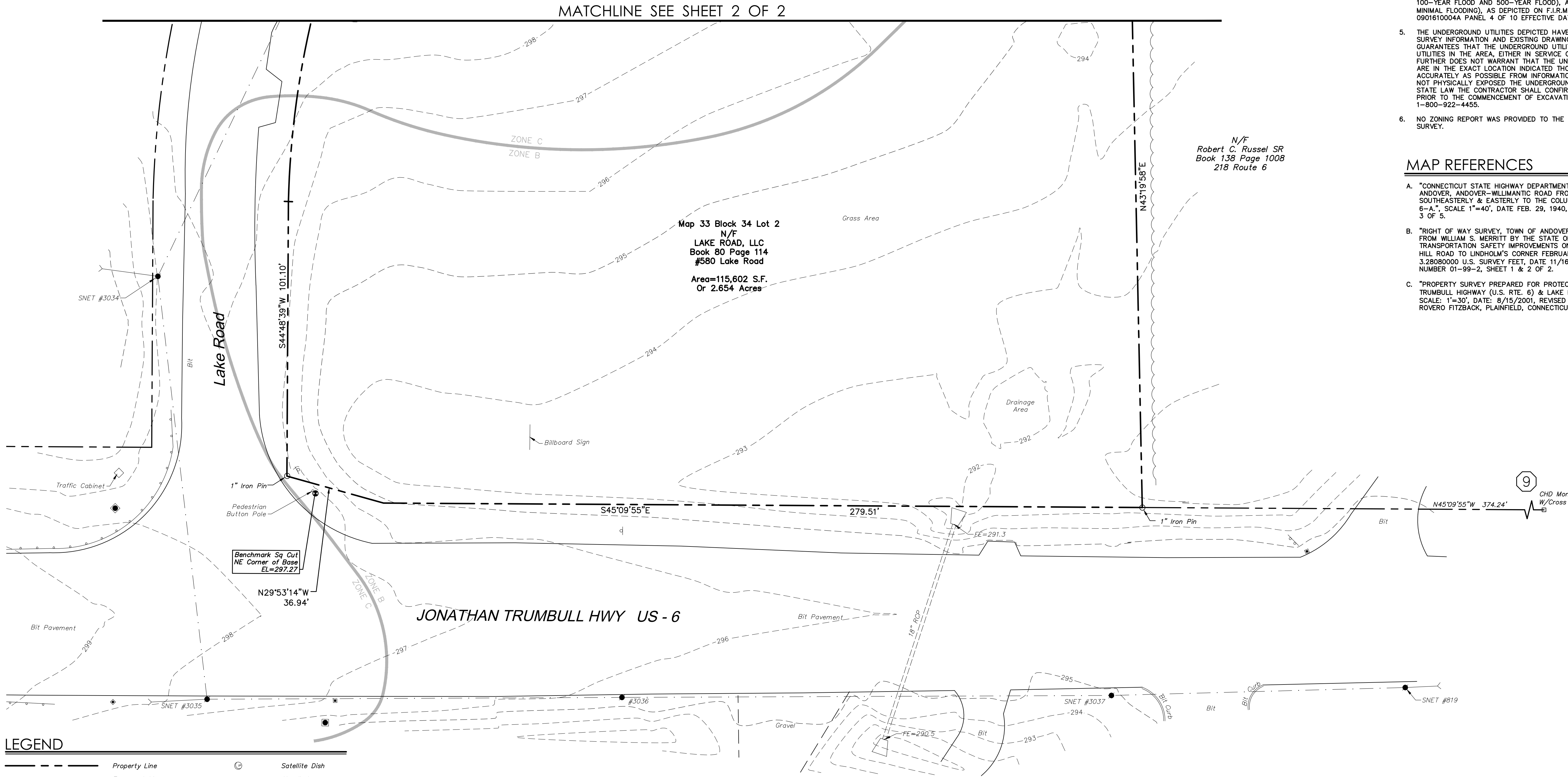
BEGINNING AT AN IRON PIN IN THE SOUTHWESTERLY LINE OF JONATHAN TRUMBULL HIGHWAY MARKING THE INTERSECTION OF PROPERTY NOW OR FORMERLY OF ROBERT C. RUSSELL; THENCE RUNNING S 45 DEGREES 09' 55" E A DISTANCE OF 279.51 FEET ALONG TRUMBULL HIGHWAY TO A CHD PT; THENCE RUNNING S 29 DEGREES 53' 14" E A DISTANCE OF 36.94 FEET ALONG TRUMBULL HIGHWAY TO AN IRON PIN; THENCE RUNNING S 44 DEGREES 48' 39" W A DISTANCE OF 101.10 FEET ALONG LAKE ROAD TO A POINT; THENCE RUNNING ALONG A CURVE DEFLECTING TO THE RIGHT WITH A RADIUS OF 328.08 FEET AND A DELTA OF 25 DEGREES 14' 32" A DISTANCE 144.54 FEET ALONG LAKE ROAD TO A POINT; THENCE RUNNING S 72 DEGREES 10' 03" W A DISTANCE OF 149.92 FEET ALONG LAKE ROAD TO AN IRON PIN MARKING THE INTERSECTION OF LAND NOW OR FORMERLY OF THE STATE OF CONNECTICUT; THENCE RUNNING N 65 DEGREES 38' 18" W A DISTANCE OF 174.41 FEET ALONG SAID STATE OF CONNECTICUT LAND TO A POINT; THENCE RUNNING ALONG A CURVE DEFLECTING TO THE RIGHT WITH A RADIUS OF 1,508.50 FEET AND A DELTA OF 01 DEGREES 29' 51" A DISTANCE OF 39.43 FEET ALONG SAID STATE OF CONNECTICUT LAND TO AN IRON PIN MARKING THE INTERSECTION OF LAND NOW OR FORMERLY OF ROBERT C. RUSSELL; THENCE RUNNING N 43 DEGREES 19' 58" E A DISTANCE OF 457.81 FEET ALONG SAID RUSSELL LAND TO THE PLACE AND POINT OF BEGINNING. CONTAINING 2.654 ACRES.

GENERAL NOTES

- A) THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. AUGUST 29, 2019.
- B) THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2.
- C) BOUNDARY DETERMINATION IS BASED UPON A RESURVEY.
- D) THE TYPE OF SURVEY PERFORMED IS A PROPERTY/TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS WITH RESPECT TO MONUMENTATION FOUND, STRUCTURES, EASEMENTS, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.
2. NORTH ARROW AND BEARINGS REFER TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (CT NAD 83 - EPOCH 2011) AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES DURING OCTOBER 2021 REFERENCED TO THE C.O.R.S. NETWORK BASE STATION "CTMA" LOCATED IN MANSFIELD, CT HAVING THE FOLLOWING PUBLISHED VALUES:
STATION: CTMA (DH5835)
COORDINATES (US FT): N: 827673.84; E: 1147177.58
ELLIPSOID HEIGHT (US FT): 180.99 (55.165m)
3. ELEVATIONS REFER TO THE NORTH AMERICAN DATUM OF 1988 (NAVD 88). THE DATUM WAS DETERMINED BY USING (GEOID 18) AND IS BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES IN OCTOBER 2021 AND REFERENCED TO C.O.R.S. BASE STATION "CTMA" LOCATED IN MANSFIELD, CT HAVING THE PUBLISHED COORDINATE AND ELEVATION VALUES AS DESCRIBED IN NOTE 2 ABOVE.
4. PARCEL IS LOCATED IN A FLOOD AREA "B", (AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD), AND FLOOD AREA "C", (AREAS OF MINIMAL FLOODING), AS DEPICTED ON F.I.R.M. COMMUNITY PANEL NO. 0901610004A PANEL 4 OF 10 EFFECTIVE DATE: FEBRUARY 3, 1982.
5. THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1-800-922-4455.
6. NO ZONING REPORT WAS PROVIDED TO THE SURVEYOR AT THE TIME OF THE SURVEY.

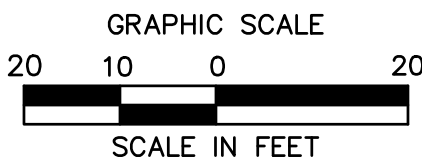
MAP REFERENCES

- "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF ANDOVER, ANDOVER-WILMANTIC ROAD FROM THE HEBRON RD. SOUTHEASTERLY & EASTERLY TO THE COLUMBIA T. LINE, ROUTE U.S. 6-A", SCALE 1"=40', DATE FEB. 29, 1940, NUMBER 1-04, SHEET NO. 2 & 3 OF 5.
- "RIGHT OF WAY SURVEY, TOWN OF ANDOVER MAP SHOWING LAND ACQUIRED FROM WILLIAM S. MERRITT BY THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION SAFETY IMPROVEMENTS ON U.S. ROUTE 6 FROM BUNKER HILL ROAD TO LINDHOLM'S CORNER FEBRUARY 1998", SCALE 1"=40' U.S. SURVEY FEET, DATE 11/16/98, REVISED 5-20-98, NUMBER 01-99-2, SHEET 1 & 2 OF 2.
- "PROPERTY SURVEY PREPARED FOR PROTECH SERVICES, JONATHAN TRUMBULL HIGHWAY (U.S. RTE. 6) & LAKE ROAD, ANDOVER, CONNECTICUT", SCALE: 1"=30', DATE: 8/15/2001, REVISED 10/1/2001, BY PROVOST ROVERO FITZBACK, PLAINFIELD, CONNECTICUT AND FILED AS MAP 901-A.



LEGEND

Property Line	⊙	Satellite Dish
Easement Line	⊙	Handhole
Treeline	●	Utility Pole
Major Contour	—	Guy Wire
Minor Contour	—	Span Pole
Guide Rail	—	Water Well
Fence	—	Sign
Overhead Wires	—	Bollard
Storm Sewer	—	Handicap Symbol
	—	Mail Box
	—	Deciduous Tree
	—	Coniferous Tree



SURVEY CERTIFICATION

TO: LAKE ROAD, LLC; FIRST AMERICAN TITLE INSURANCE COMPANY; :

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2-5.6(a), 7(c), 7(b)(1), 7(c), 8.9.11(c), 13.14.16-18 AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON OCTOBER 12, 2021.

DATED: 1/25/2022

SIGNED: PATRICK J. CORLESS, JR., L.S. #70015



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

LAND OF
LAKE ROAD, LLC
580 LAKE ROAD
ANDOVER, CONNECTICUT

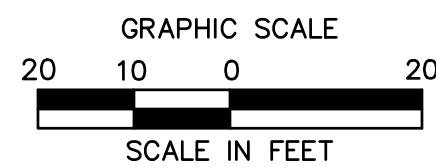
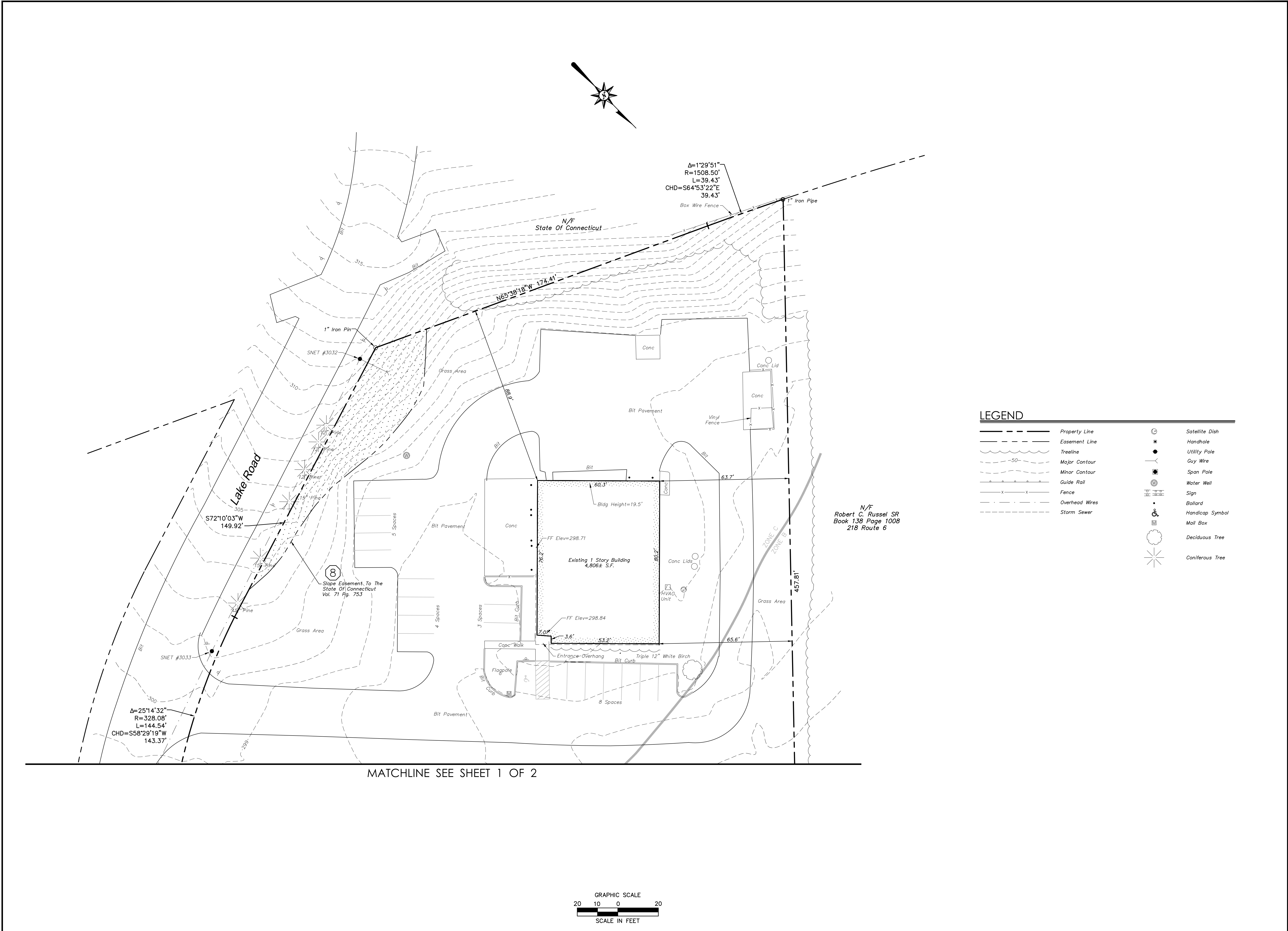
REVISIONS	Date	Date
No.		
Surveyed	NS	
Drawn	KS	
Reviewed	PJC	
Scale	1"=20'	
Project No.	2101726	
Date	10/18/2021	
Field Book	563	
CAD File:	AL210172601	

Title
ALTA/NSPS
LAND TITLE
SURVEY

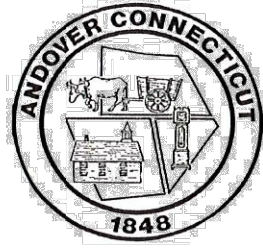
Sheet No. 1 of 2

AL-1
Sheet 2 of 32

Jan 25, 2022 12:25pm ecorless G:\008321\163101726\DWG\A210172601.dwg
Layout: AL-1 14X36 250c 50%



Zoning Agent
Town of Andover
17 School Rd.
Andover, CT 06232
(860) 742-4036 - Fax (860) 742-4040



January 25, 2022

VIA CERTIFIED MAIL

Gary Eucalitto
59 Field Road
Torrington, CT 06790

RE: Andover Planning & Zoning Commission
Lake Road Subdivision

Dear Mr. Eucalitto:

Please be advised that at their Regular Meeting held on December 2021 the Andover Planning and Zoning Commission approved your application for a two (2) lot subdivision at 580 Lake Road with the following conditions. Please add a copy of this letter to your final plans prior to filing with the Town Clerk. As noted, please add the notation regarding monumentation to the final plans prior to filing.

Conditions of Approval:

1. Install proper monumentation in accordance with the sub-division regulations. (Include a notation to this effect on the final plans.)
2. No construction shall be allowed on the lot until such time as the Eastern Highlands Health District has approved the construction of a sewage disposal system.

Should you have any questions please contact me at 860-742-4036, extension 3, or zoning@andoverct.com.

Thank you.
Sincerely,

Jim Hallisey
Zoning Agent

Matthew J. Bruton, P.E.
Jed Larson, PZC Chair
buildingadmin@andover.ct.org
boardclerk@andoverct.org



Town of Andover

17 SCHOOL ROAD • ANDOVER, CT 06232

INLAND WETLANDS & WATERCOURSES COMMISSION
Permit #IWWC21-29

EFFECTIVE DATE: February 7, 2022

EXPIRATION DATE: February 7, 2027

Name and Address of Property Owner:
Lake Road, LLC.
30 Brian Dr.
Bolton, CT 06043

Name and Address of Applicant:
Gary Eucalitto
Garrett Homes, LLC.
59 Field St.
Torrington, CT 06790

Name and Address of Authorized Agent:
Kimberly Masiuk, PE (BL Companies)
100 Constitution Plaza
Hartford, CT 06103

Property to which this permit applies:
580 Lake Rd, Andover CT

This authorization refers to an application to conduct a regulated activity within the 200-foot Upland Review Area of Cheney Brook in the Town of Andover.

The permitted activities within the upland review area include:

- Construction of a 10,640 square foot single story retail building with utilities and paved parking and loading area, a portion of which is located within the 200-foot Upland Review Area of Cheney Brook. Project will be constructed according to the application and project narrative dated December 22, 2021, and the site plan and stormwater management report dated January 28, 2022.

Town of Andover Permit #IWWC21-29

Page 1 of 3

The Inland Wetlands and Watercourses Commission of the Town of Andover, following investigation, and after reviewing the full record, has considered the application with due regard for the criteria found in the Inland Wetland Regulations of the Town of Andover. The Commission believes that the proposed activity, subject to the specified conditions, conforms with the purpose of Town regulations and does not violate any of its provisions or regulations governing wetlands and/or watercourses in the State of Connecticut. Therefore, this authorization will constitute the permit required pursuant to Section 6.1 of the Inland Wetland Regulations of the Town of Andover.

This permit is issued with the attached Standard Permit Conditions (Page 3).

This permit is subject to, and in no way derogates, any present or future property right or any other rights or powers of the Town of Andover. This permit conveys no property rights in real estate or materials or any exclusive privileges. No permission, either express or implied, is given for any regulated activities other than those authorized in this permit.

This permit is valid for five (5) years from the date of approval. Any permit shall be renewed upon request by the permit holder unless the agency finds that there has been a substantial change in circumstances which requires a new permit application or an enforcement action has been undertaken with regard to the regulated activity for which the permit was issued provided no permit may be valid for more than ten (10) years. (Review permit section 310 of the General Statutes "Duration of Permit".)

The applicant will notify the Commission via its Agent 2 days before the permitted activity begins.

The applicant will notify the Commission via its Agent within 7 days of the completion date that the permitted activity has been finished.

Joseph Wagner, Duty Authorized Wetlands Agent

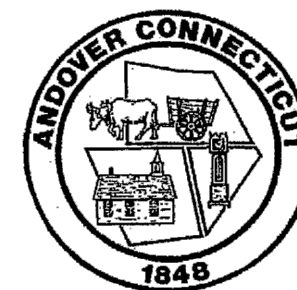
on behalf of the Town of Andover Inland Wetlands & Watercourses Commission

Original to: Applicant

Copy to: Inland Wetlands & Watercourses Commission files

Town of Andover Permit #IWWC21-29

Page 2 of 3



Town of Andover

17 SCHOOL ROAD • ANDOVER, CT 06232

ALL TOWN OF ANDOVER INLAND WETLAND & WATERCOURSES PERMITS ARE SUBJECT TO THE FOLLOWING STANDARD PERMIT CONDITIONS:

1. The Inland Wetlands Commission's Agent is to be notified 48 hours before the commencement and completion of any part of the activity.
2. The granting of this permit does not relieve the applicant from obtaining additional permits and/or approvals required by other agencies federal, state, and local. See item 2.11.
3. If an approval or permit is granted by another agency and contains conditions affecting wetlands and/or watercourses and the area one hundred feet from their flagged boundaries and two hundred feet from an area identified in section 1.6 by this permit, the applicant must resubmit the application for further consideration by the Inland Wetlands Commission for a decision before work on the activity is to take place.

Any permit issued under this section for the development of property for which an approval is required under sections 8-3, 8-25 or 8-26 of the Connecticut General Statutes shall be valid for five (5) years provided the agency may establish a specific time period within which any regulated activity shall be conducted. Any permit issued under this section for any other activity shall be valid for not less than two (2) years and not more than five (5) years. Any such permit shall be renewed upon request of the permit holder unless the agency finds that there has been a substantial change in circumstances which requires a new permit application or an enforcement action has been undertaken with regard to the regulated activity for which the permit was issued provided no permit may be valid for more than ten (10) years. Review permit section 310 of the General Statutes "Duration of Permit".

4. The applicant shall not assign or transfer this permit, or any part thereof, without the written permission of the commission or its agent.
5. This approval is for the activity within the regulated area surrounding a wetland or watercourse as indicated on sheets 1-28 of the latest revised map submitted with the application. Latest revision: **01/28/2022**.
6. All activities for the prevention of soil erosion, such as silt fences and hay bales shall be under the direct supervision of a certified engineer, who shall employ the best management practices, consistent with the terms and conditions of this permit, to control storm water discharges and to prevent erosion and sedimentation to otherwise prevent pollution, impairment, or destruction of wetlands or watercourses. Erosion controls are to be inspected by the permittee weekly and after rains and all deficiencies must be remediated within twenty-four hours of finding them.
7. If any information provided by the applicant in the permit approval process is subsequently proved to be false, incomplete, or misleading, this permit may be modified, suspended, or revoked and the permittee may be subject to any remedies or penalties provided by law.
8. The applicant is to pay an additional fee of \$ N/A as determined by the IWWC agent from Section 19 (Fee Schedule) of the IWWC Regulations.
9. A copy of this motion and the conditions listed, when approved by majority vote of the IWWC members present shall constitute a permit for the activity described in the application and accompanying data when signed and dated by the IWWC Agent.

Town of Andover Permit #IWWC21-29

Page 3 of 3

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

Architecture
Engineering
Environmental
Land Surveying
BL Companies

100 Constitution Plaza, 10th Floor
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax



PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS
Date
12/10/2021
1/18/2022
01/28/2022
Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER CT DOT COMMENTS
REVISED PER CT DOT COMMENTS

Designed S.E.C.
Drawn S.E.C.
Reviewed J.A.B.
Scale NONE
Project No. 2101726
Date 11/18/2021
CAD File: AP210172601

Title
APPROVAL LETTERS

Sheet No.

AP-1
Sheet 4 of 32

SITE WORK GENERAL NOTES

1. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION.

2. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT SPECIFICATION MANUAL, CLIENT CORPORATION STANDARDS, MUNICIPAL STANDARDS AND SPECIFICATIONS, AND THE DETAIL OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FORM 618, 2010 ADA STANDARDS, AND STATE BUILDING CODE IN THE ABOVE REFERENCED HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.

3. REFER TO OTHER PLANS BY OTHER DISCIPLINES, DETAILS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE AND BUILDING CONDITIONS IN THE FIELD AND CONTACT THE CIVIL ENGINEER AND ARCHITECT IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS, SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONFIRMED WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO BIDDING.

4. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.

5. THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTRACTOR POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.

6. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORD DRAWINGS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES AND STORMWATER SYSTEM) TO THE OWNER AT THE END OF CONSTRUCTION.

7. THE ARCHITECT OR ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ARCHITECT AND ENGINEER HAVE NO CONTRACTUAL DUTY TO CONTROL, THE SAFETY METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.

8. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION, TRENCHING, AND TRENCH PROTECTION REQUIREMENTS.

9. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL OR COUNTY OR STATE RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND DEPTHS OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT CT CALL BEFORE YOU DIG (CBYD) 72 HOURS BEFORE COMMENCEMENT OF WORK AT (800) 922-4455 OR AT 811 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS. THE CONTRACTOR SHALL EMPLOY THE USE OF A UTILITY LOCATING COMPANY TO PROVIDE SUBSURFACE UTILITY ENGINEERING CONSISTING OF DESIGNATING UTILITIES AND STORM PIPING ON PRIVATE PROPERTY WITHIN THE CONTRACT LIMIT AND CONSISTING OF DESIGNATING AND LOCATING WHERE PROPOSED UTILITIES AND STORM PIPING CROSS EXISTING UTILITIES AND STORM PIPING WITHIN THE CONTRACT LIMITS.

10. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN OVER SCALED DIMENSIONS.

11. SHOULD CONFLICTING INFORMATION BE FOUND WITHIN THE CONTRACT DOCUMENTS, IT IS INCUMBENT UPON THE CONTRACTOR TO REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK. FOR BUDGETING PURPOSES, THE CONTRACTOR SHALL CARRY THE COST OF THE HIGHER QUALITY/QUANTITY OF WORK UNTIL SUCH TIME THAT A CLARIFICATION IS RENDERED.

12. ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN COMPLETE DRAWING PLAN SETS FOR BIDDING AND CONSTRUCTION. PLAN SETS OR PLAN SET ELECTRONIC POSTINGS SHALL NOT BE DISASSEMBLED INTO PARTIAL PLAN SETS FOR USE BY CONTRACTORS AND SUBCONTRACTORS OF INDIVIDUAL TRADES. IT SHALL BE THE CONTRACTOR'S AND SUBCONTRACTOR'S RESPONSIBILITY TO OBTAIN COMPLETE PLAN SETS OR COMPLETE PLAN SET ELECTRONIC POSTINGS FOR USE IN BIDDING AND CONSTRUCTION.

13. ALL NOTES AND DIMENSION DESIGNATED AS "TYPICAL" OR "TYP." APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.

14. CONTRACTOR(S) TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF SAME. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.

15. BL COMPANIES WILL PREPARE FINAL CONSTRUCTION DOCUMENTS SUITABLE FOR BIDDING AND CONSTRUCTION. PROGRESS SETS OF THESE DOCUMENTS ARE NOT SUITABLE FOR THOSE PURPOSES. IF CLIENT ELECTS TO SOLICIT BIDS OR ENTER INTO CONSTRUCTION CONTRACTS UTILIZING CONSTRUCTION DOCUMENTS THAT ARE NOT YET FINAL, CONSULTANT SHALL NOT BE RESPONSIBLE FOR ANY COSTS OR DELAY ARISING AS A RESULT.

16. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.

17. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT AND OBTAIN FROM MUNICIPAL SOURCES ALL CONSTRUCTION PERMITS, INCLUDING ANY STATE DOT PERMITS, SEWER AND WATER CONNECTION PERMITS, AND ROADWAY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK EXCEPT CTDOT ENCROACHMENT PERMIT BOND.

18. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS AND MATERIALS PER PLANS AND SPECIFICATIONS TO THE OWNER AND CIVIL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.

19. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE SEDIMENT AND EROSION CONTROL PLAN.

20. THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING, THE RAISED CONCRETE SIDEWALKS, LANDINGS, AND RAMPS.

21. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.

22. ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING AS APPLICABLE UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.

23. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES, TEMPORARY WALKWAYS, TRAFFIC CONTROLLERS AND UNIFORMED TRAFFIC OFFICERS AS REQUIRED OR AS ORDERED BY THE ENGINEER OR AS REQUIRED BY THE LOCAL GOVERNING AUTHORITY OR AS REQUIRED BY PERMIT STIPULATIONS OR AS REQUIRED BY THE OWNER. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS FOR USE AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE APPROPRIATE GOVERNING AGENCY IS GRANTED.

24. TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DOT STANDARD DETAIL SHEETS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. SIGNS SHALL BE INSTALLED PLUMB WITH THE EDGE OF THE SIGN 2' OFF THE FACE OF THE CURB, AND WITH 7' VERTICAL CLEARANCE UNLESS OTHERWISE DETAILED OR NOTED.

25. REFER TO DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.

26. THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.

27. THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PAVEMENT MARKING PAINT MIXTURE PRIOR TO STRIPING.

28. PAVEMENT MARKING KEY:

4" SYDL 4" SOLID YELLOW DOUBLE LINE
4" SYL 4" SOLID YELLOW LINE
4" SWL 4" SOLID WHITE LINE
12" SWSB 12" SOLID WHITE STOP BAR
4" BWL 4" BROKEN WHITE LINE 10' STRIPE 30' SPACE

29. PARKING SPACES SHALL BE STRIPED WITH 4" SWL; HATCHED AREA SHALL BE STRIPED WITH 4" SWL AT A 45° ANGLE, 2' ON CENTER. HATCHING, SYMBOLS, AND STRIPING FOR HANDICAPPED SPACES SHALL BE PAINTED WHITE AND BLUE. OTHER MARKINGS SHALL BE PAINTED WHITE OR AS NOTED.

30. ALL PARKING SPACES AND HATCHED AREAS SHALL HAVE TWO COATS OF PAVEMENT MARKINGS APPLIED TO STRIPING.

31. PAVEMENT MARKINGS SHALL BE HOT APPLIED TYPE IN ACCORDANCE WITH STATE DOT SPECIFICATIONS, UNLESS WHERE EPOXY RESIN PAVEMENT MARKINGS ARE INDICATED.

32. THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, SWALE, PAVEMENT MARKINGS, OR SIGNAGE DISTURBED DURING DEMOLITION AND/OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE CIVIL ENGINEER, AND TO THE SATISFACTION OF THE OWNER AND MUNICIPALITY.

33. EXISTING BOUNDARY AND TOPOGRAPHY IS BASED ON DRAWING TITLED "ALTA/NPS LAND TITLE SURVEY" SCALE 1"=20', DATED 10/16/2021, BY BL COMPANIES INC.

34. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, CIVIL ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.

35. CTDOT ENCROACHMENT PERMIT SHALL BE OBTAINED BY CONTRACTOR WHO SHALL PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC PROTECTION NECESSARY FOR THE WORK. THE OWNER SHALL POST CTDOT ENCROACHMENT PERMIT BOND.

36. AN EROSION CONTROL BOND IS REQUIRED TO BE POSTED BY THE CONTRACTOR BEFORE THE START OF ANY ACTIVITY ON OR OFF SITE. THE AMOUNT OF THE EROSION CONTROL BOND WILL BE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

37. THE PROJECT PARCEL IS LOCATED PARTLY OR WHOLLY WITHIN A FEMA DESIGNATED FLOOD HAZARD AREA.

38. THERE ARE NO WETLANDS LOCATED ON THE SITE AS INDICATED BY MUNICIPAL GIS MAPPING.

39. 12" SWSB (STOP BAR) AND 4" SYDL AND SWL PAVEMENT MARKINGS LOCATED IN DRIVEWAYS AND IN STATE HIGHWAY SHALL BE EPOXY RESIN TYPE ACCORDING TO CONDOT SPECIFICATIONS.

40. FIRE LANES SHALL BE ESTABLISHED AND PROPERLY DESIGNATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE DISTRICT FIRE MARSHAL.

41. THE CONTRACTOR SHALL REMOVE ANY CONFLICTING PAVEMENT MARKINGS IN THE ROADWAY BY METHOD APPROVED BY THE AUTHORITY HAVING JURISDICTION OR DOT AS APPLICABLE FOR THE LOCATION OF THE WORK.

42. ALL ADA DESIGNATED PARKING STALLS, ACCESS AISLES AND PEDESTRIAN WALKWAYS SHALL CONFORM TO THE CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN AND ANSI STANDARDS AND AS MAY BE SUPERCEDED BY THE STATE BUILDING CODE.

43. CONSTRUCTION OCCURRING ON THIS SITE SHALL COMPLY WITH NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS, AND CHAPTER 16 OF NFPA 1 UNIFORM FIRE CODE.

44. ALL BUILDINGS, INCLUDING FOUNDATION WALLS AND FOOTINGS AND BASEMENT SLABS INDICATED ON THE DEMOLITION PLAN ARE TO BE REMOVED FROM THE SITE. CONTRACTOR SHALL SECURE ANY PERMITS, PAY ALL FEES AND PERFORM CLEARING AND GRUBBING AND DEBRIS REMOVAL PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.

45. SEDIMENT AND EROSION CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND/OR DEMOLITION PLAN SHALL BE INSTALLED BY THE DEMOLITION CONTRACTOR PRIOR TO START OF DEMOLITION AND CLEARING AND GRUBBING OPERATIONS.

46. REMOVE AND DISPOSE OF ANY SIDEWALKS, FENCES, STAIRS, WALLS, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA IN AN APPROVED OFF SITE LANDFILL, BY AN APPROVED HAULER. HAULER SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS.

47. THE CONTRACTOR SHALL SECURE ALL PERMITS FOR HIS DEMOLITION AND DISPOSAL OF HIS DEMOLITION MATERIAL TO BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL POST BONDS AND PAY PERMIT FEES AS REQUIRED. BUILDING DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS AND DISPOSAL OF ALL BUILDING DEMOLITION DEBRIS IN AN APPROVED OFF-SITE LANDFILL.

48. ASBESTOS OR HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL ABATEMENT CONTRACTOR.

49. THE CONTRACTOR SHALL PREPARE ALL MANIFEST DOCUMENTS AS REQUIRED PRIOR TO COMMENCEMENT OF DEMOLITION.

50. THE CONTRACTOR SHALL CUT AND PLUG, OR ARRANGE FOR THE APPROPRIATE UTILITY PROVIDER TO CUT AND PLUG ALL SERVICE PIPING AT THE STREET LINE OR AT THE MAIN, AS REQUIRED BY THE UTILITY PROVIDER, OR AS OTHERWISE NOTED OR SHOWN ON THE CONTRACT DRAWINGS. ALL SERVICES MAY BE REMOVED OR PLUGGED ON THIS PLAN. THE CONTRACTOR SHALL PAY ALL UTILITY PROVIDER FEES FOR ABANDONMENTS AND REMOVALS.

51. THE CONTRACTOR SHALL PROTECT ALL IRON PINS, MONUMENTS AND PROPERTY CORNERS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. ANY CONTRACTOR DISTURBED PINS, MONUMENTS, AND/OR PROPERTY CORNERS, ETC. SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

52. THE DEMOLITION CONTRACTOR SHALL STABILIZE THE SITE AND KEEP EROSION CONTROL MEASURES IN PLACE UNTIL THE COMPLETION OF HIS WORK OR UNTIL THE COMMENCEMENT OF WORK BY THE SITE CONTRACTOR, WHICHEVER OCCURS FIRST, AS REQUIRED OR DEEMED NECESSARY BY THE ENGINEER OR OWNER'S REPRESENTATIVE. THE SITE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF EXISTING EROSION AND SEDIMENTATION CONTROLS AND FOR INSTALLATION OF ANY NEW SEDIMENT AND EROSION CONTROLS AS PER THE SEDIMENT AND EROSION CONTROL PLAN, AT THAT TIME.

53. THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED DISPOSAL AREA BY A LICENSED WASTE OIL HANDLING CONTRACTOR IN STRICT ACCORDANCE WITH STATE REQUIREMENTS.

54. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT.

55. ANY EXISTING WATER SERVICES SHALL BE DISCONNECTED AND CAPPED AT MAIN IN ACCORDANCE WITH THE REQUIREMENTS OF THE WATER UTILITY PROVIDER. REMOVE EXISTING ONSITE WATER PIPING TO BE ABANDONED TO RIGHT OF WAY LINE UNLESS OTHERWISE SHOWN ON DEMOLITION PLANS OR AS REQUIRED BY THE WATER UTILITY PROVIDER TO BE REMOVED TO MAIN.

56. ANY EXISTING SANITARY LATERAL SHALL BE PLUGGED WITH NON-SHRINK GROUT AT CURB LINE OR AT MAIN CONNECTION IN ACCORDANCE WITH THE SANITARY UTILITY PROVIDER REQUIREMENTS. REMOVE EXISTING LATERAL PIPING FROM SITE UNLESS OTHERWISE SHOWN ON DEMOLITION PLANS OR AS REQUIRED BY THE SANITARY UTILITY PROVIDER.

57. ANY DOMESTIC GAS SERVICES SHALL BE CAPPED AND SERVICE LINES PURGED OF RESIDUAL GAS IN ACCORDANCE WITH THE GAS UTILITY PROVIDER REQUIREMENTS. WORK TO REMOVE EXISTING GAS SERVICES SHALL BE COMPLETED PRIOR TO THE START OF ANY OTHER WORK. ANY PROPANE TANKS SHALL BE PURGED OF RESIDUAL GAS BY PROPANE SUPPLIER. CONTRACTOR SHALL COORDINATE THIS WORK AND PAY NECESSARY FEES.

58. THE CONTRACTOR SHALL PROVIDE DISCONNECT NOTIFICATION TO THE MUNICIPALITY ENGINEERING DEPARTMENT, TELECOMMUNICATIONS UTILITY PROVIDER, GAS UTILITY PROVIDER, ELECTRIC UTILITY PROVIDER, SANITARY UTILITY PROVIDER, AND WATER UTILITY PROVIDER AT LEAST THREE WEEKS PRIOR TO BEGINNING DEMOLITION.

59. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A DEMOLITION PERMIT FROM THE MUNICIPALITY'S BUILDING DEPARTMENT AND MUST FURNISH THE REQUIRED APPLICATION MATERIAL AND PAY ALL FEES.

60. BACK FILL DEPRESSIONS, FOUNDATION HOLES AND REMOVED DRIVEWAY AREAS IN LOCATIONS NOT SUBJECT TO FURTHER EXCAVATION WITH SOIL MATERIAL APPROVED BY THE OWNER'S GEOTECHNICAL ENGINEER AND COMPACT, FERTILIZE, SEED AND MULCH DISTURBED AREAS NOT SUBJECT TO FURTHER SITE CONSTRUCTION. DEMOLISHED BUILDING FOUNDATION AREA AND BASEMENT IF PRESENT TO BE BACKFILLED WITH GRAVEL FILL OR MATERIAL SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT IN LIFT THICKNESS SPECIFIED IN THE GEOTECHNICAL REPORT. COMPACT TO 95% MAX. DRY DENSITY PER ASTM D1557 AT MOISTURE CONTENT SPECIFIED IN GEOTECHNICAL REPORT AND EARTHWORK SPECIFICATION. EMPLOY WATERING EQUIPMENT FOR DUST CONTROL.

61. THE CONTRACTOR SHALL REPAIR PAVEMENTS BY INSTALLING TEMPORARY AND PERMANENT PAVEMENTS IN PUBLIC RIGHTS OF WAYS AS REQUIRED BY LOCAL GOVERNING AUTHORITIES AND THE MUNICIPALITY AND PER PERMIT REQUIREMENTS DUE TO DEMOLITION AND PIPE REMOVAL ACTIVITIES.

62. THE CONTRACTOR SHALL CUT AND REMOVE AT LUMINAIRE AND SIGN LOCATIONS ANY PROTRUDING CONDUITS TO 24" BELOW GRADE. THE CONTRACTOR SHALL REMOVE ALL CABLE AND CONDUCTORS FROM REMAINING LIGHTING AND SIGNING CONDUITS TO BE ABANDONED. ANY REMAINING LIGHTING TO REMAIN IN PLACE SHALL BE RECRUITED OR REMOVED AS NECESSARY TO REMAIN IN OPERATION.

63. NO WORK ON THIS SITE SHALL BE INITIATED BY THE CONTRACTOR UNTIL A PRE-CONSTRUCTION MEETING WITH OWNER AND THE CIVIL ENGINEER IS PERFORMED. THE CONTRACTOR SHOULD BE AWARE OF ANY SITE INFORMATION AVAILABLE SUCH AS GEOTECHNICAL AND ENVIRONMENTAL REPORTS. THE CONTRACTOR SHALL HAVE CT CBYD MARK OUTS OF EXISTING UTILITIES COMPLETED PRIOR TO MEETING.

64. THE CONTRACTOR SHALL ARRANGE FOR AND INSTALL TEMPORARY OR PERMANENT UTILITY CONNECTIONS WHERE INDICATED ON PLAN OR AS REQUIRED. MAINTAIN UTILITY SERVICES TO BUILDINGS OR TO SERVICES TO REMAIN. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDERS FOR INSTALLATION AND PAY UTILITY PROVIDER FEES.

65. THE CONTRACTOR SHALL NOT COMMENCE DEMOLITION OR UTILITY DISCONNECTIONS UNTIL AUTHORIZED TO DO SO BY THE OWNER.

66. THE CONTRACTOR OR DEMOLITION CONTRACTOR SHALL INSTALL TEMPORARY SHEETING OR SHORING AS NECESSARY TO PROTECT EXISTING AND NEW BUILDINGS, STRUCTURES AND UTILITIES DURING CONSTRUCTION AND DEMOLITION. SHEETING OR SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER, LICENSED IN THIS STATE AND EVIDENCE OF SUCH SUBMITTED TO THE OWNER PRIOR TO INSTALLATION.

67. NO SALVAGE SHALL BE PERMITTED UNLESS PAID TO THE OWNER AS A CREDIT.

68. ANY EXISTING POTABLE WELL AND ANY EXISTING SEPTIC TANKS/ABSORPTION AREAS SHALL BE ABANDONED AND REMOVED PER THE CT DEPARTMENT OF PUBLIC HEALTH AND HEALTH CODE REQUIREMENTS.

69. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO SEDIMENT AND EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES.

70. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.

71. THE CONTRACTOR SHALL COMPACT FILL IN LIFT THICKNESS PER THE GEOTECHNICAL REPORT UNDER ALL PARKING, BUILDING, DRIVE, AND STRUCTURE AREAS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR TEST), OR AS REQUIRED BY THE GEOTECHNICAL ENGINEER.

72. UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD BY THE OWNER/GEOTECHNICAL ENGINEER, AFTER SUBGRADE IS ROUGH GRADED.

73. VERTICAL DATUM IS NAVD 88.

74. ANY CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE MUNICIPALITY'S CONSERVATION COMMISSION AGENT PRIOR TO THE START OF WORK ON THE SITE.

75. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SLTING OF ANY WATERCOURSE OR WETLANDS IN ACCORDANCE WITH THE REGULATIONS OF THE CT DEEP AND THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION. IN ADDITION, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE SEDIMENT AND EROSION CONTROL PLAN CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY THE LOCAL MUNICIPALITIES, OR SOIL CONSERVATION DISTRICT WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.

76. ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE, THIS WORK SHALL CONFORM TO THE STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN LIFT THICKNESSES PER THE PROJECT GEOTECHNICAL REPORT TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT MOISTURE CONTENT INDICATED IN PROJECT GEOTECHNICAL REPORT.

77. ALL DISTURBANCE INCURRED TO MUNICIPAL AND STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE MUNICIPALITY AND STATE AS APPLICABLE FOR THE LOCATION OF THE WORK.

78. ALL CONSTRUCTION WITHIN A DOT RIGHT OF WAY SHALL COMPLY WITH ALL DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

79. THE UTILITY PLAN DETAILS SITE INSTALLED PIPES UP TO 5' FROM THE BUILDING FACE. REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR BUILDING CONNECTIONS. SITE CONTRACTOR SHALL SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY AT BUILDING CONNECTION POINT OR AT EXISTING UTILITY OR PIPE CONNECTION POINT.

80. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE PROPOSED SANITARY SEWERS AND WHERE PROPOSED STORM PIPING WILL CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE CIVIL ENGINEER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED SANITARY SEWERS, STORM PIPING AND UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.

81. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.

82. THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY PROVIDERS AND GOVERNING AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER.

83. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.

84. ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT, AFTER UTILITY INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE OWNER HAVING JURISDICTION.

85. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.

86. SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL MIN.) SEPARATION DISTANCE FROM WATER LINES, OR ADDITIONAL PROTECTION MEASURES WILL BE REQUIRED WHERE PERMITTED, WHICH SHALL INCLUDE CONCRETE ENCASEMENT OF PIPING UNLESS OTHERWISE DIRECTED BY THE UTILITY PROVIDERS AND CIVIL ENGINEER.

87. RELOCATION OF UTILITY PROVIDER FACILITIES SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.

88. THE CONTRACTOR SHALL COMPACT THE PIPE BACKFILL IN 8" LIFTS ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE USED PER THE TRENCH DETAILS AND IN AREAS OF ROCK EXCAVATION.

89. CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.

90. BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND SHALL BE VERIFIED WITH THE BUILDING MEP, STRUCTURAL, AND ARCHITECTURAL DRAWINGS AND WITH THE OWNER'S CONSTRUCTION MANAGER.

91. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.

92. A ONE-FOOT MINIMUM VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED. A SIX-INCH MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN STORM PIPING AND SANITARY SEWER WITH A CONCRETE ENCASEMENT. AN 18-INCH TO 6-INCH VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPING AND STORM PIPING SHALL REQUIRE CONCRETE ENCASEMENT OF THE PROPOSED PIPING.

93. GRAVITY SANITARY SEWER PIPING AND PRESSURIZED WATERLINES SHALL BE LOCATED IN SEPARATE TRENCHES AT LEAST 10 FEET APART WHENEVER POSSIBLE. WHEN NOT TALLED IN THE SAME TRENCH, THE WATER PIPE SHALL BE LAID ON A TRENCH BENCH AT LEAST 18 INCHES ABOVE THE TOP OF THE SANITARY SEWER PIPE AND AT LEAST 12 INCHES (PREFERABLY 18 INCHES) FROM THE SIDE OF THE SANITARY SEWER PIPE TRENCH.

94. SITE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC., AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING STUB OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.

95. MANHOLE RIMS AND CATCH BASIN GRATES SHALL BE SET TO ELEVATIONS SHOWN. SET ALL EXISTING MANHOLE RIMS AND VALVE COVERS TO BE RAISED OR LOWERED FLUSH WITH FINAL GRADE AS NECESSARY.

96. SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND CABLES FOR SITE LIGHTING WITH THE BUILDING ELECTRICAL CONTRACTOR.

97. CONTRACTOR SHALL COORDINATE INSTALLATION FOR ELECTRICAL SERVICES TO PYLON SIGNS AND SITE LIGHTING WITH THE BUILDING ELECTRICAL CONTRACTOR.

98. THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. THE CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR PAVEMENTS AS NECESSARY.

99. ELECTRIC, AND TELECOMMUNICATIONS SERVICES SHALL BE INSTALLED UNDERGROUND FROM SERVICE POLE SNET #3037. THE CONTRACTOR SHALL PROVIDE AND INSTALL AND BACKFILL (2) 4" SCH 80 PVC CONDUITS FOR TELECOMMUNICATIONS SERVICE, (2) 4" SCH 80 PVC CONDUITS FOR ELECTRIC SERVICE PRIMARY, PVC CONDUITS FOR ELECTRICAL SECONDARY PER BUILDING ELECTRICAL PLANS, (SCHEDULE 80 UNDER PAVEMENT, SCHEDULE 40 IN NON PAVEMENT AREAS). SERVICES MAY BE INSTALLED IN A COMMON TRENCH WITH 12" CLEAR SPACE BETWEEN. MINIMUM COVER IS 36" ON ELECTRIC CONDUITS, AND 24" ON TELECOMMUNICATIONS CONDUITS. SERVICES SHALL BE MARKED WITH MAGNETIC LOCATOR TAPE AND SHALL BE BEDDED, INSTALLED, AND BACKFILLED IN ACCORDANCE WITH ELECTRIC UTILITY PROVIDER, AND TELECOMMUNICATIONS COMPANY STANDARDS. GALVANIZED STEEL ELECTRICAL CONDUIT SHALL BE USED AT POLE AND TRANSFORMER LOCATIONS. INSTALL HANDHOLES AS REQUIRED TO FACILITATE INSTALLATION AND AS REQUIRED BY UTILITY PROVIDER. INSTALL TRAFFIC LOAD QUALIFIED HANDHOLES IN VEHICULAR AREAS. INSTALL CONCRETE ENCASEMENT ON PRIMARY ELECTRIC CONDUITS IF REQUIRED BY ELECTRIC UTILITY PROVIDER.

100. ALL WATER LINES TO HAVE A MINIMUM COVER OF 4'-6". ALL LINES SHALL BE BEDDED IN 6" SAND AND INITIALLY BACKFILLED WITH 12" SAND.

101. ALL WATER MAINS, WATER SERVICES AND SANITARY SEWER LATERALS SHALL CONFORM TO THE APPLICABLE WATER UTILITY PROVIDER SPECIFICATIONS, AND TO THE APPLICABLE SANITARY SEWER PROVIDER SPECIFICATIONS, AS WELL AS TO OTHER APPLICABLE INDUSTRY CODES (AWWA) AND PROJECT SPECIFICATIONS FOR POTABLE WATER AND SANITARY SEWER SYSTEMS, AND FOR SANITARY SEWER SYSTEMS.

102. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNERS, THE CIVIL ENGINEER, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.

103. THE CONTRACTOR MAY SUBSTITUTE MASONRY STRUCTURES FOR PRECAST STRUCTURES IF APPROVED BY THE CIVIL ENGINEER AND ALLOWED BY THE GOVERNING AUTHORITY ENGINEER OR OTHER GOVERNING AUTHORITY.

104. PIPING SHALL BE LAID FROM DOWNGRADEMENT END OF PIPE RUN IN AN UPGRADEMENT DIRECTION WITH BELL END FACING UPGRADE IN THE DIRECTION OF PIPE LAYING.

105. POLYVINYL CHLORIDE PIPE (PVC) FOR STORM PIPING SHALL HAVE BUILT-IN RUBBER GASKET JOINTS. PVC SHALL CONFORM TO ASTM D-3034 (SDR35) WITH COMPRESSION JOINTS AND MOLDED FITTINGS. PVC SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS, ASTM-D2321 AND MANUFACTURER'S RECOMMENDED PROCEDURE.

106. ALL ROP SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-76; ALL ROP SHALL BE CLASS IV UNLESS OTHERWISE SHOWN. JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-443.

107. MANHOLE SECTIONS AND CONSTRUCTION SHALL CONFORM TO ASTM C-478.

108. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER 12" OR GREATER IN DIAMETER SHALL BE H-Q SURE-LOK 10.8 PIPE AS MANUFACTURED BY HANCOX INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M294, TYPE S. PIPE SECTIONS SHALL BE JOINED WITH BELL-AND-SPIGOT JOINT MEETING THE REQUIREMENTS OF AASHTO M294. THE BELL SHALL BE AN INTEGRAL PART OF THE PIPE AND PROVIDE A MINIMUM PULL-APART STRENGTH OF 400 POUNDS. THE JOINT SHALL BE WATERTIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL BE MADE OF POLYISOPRENE MEETING THE REQUIREMENTS OF ASTM F477. ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING.

109. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE H-Q PIPE AS MANUFACTURED BY HANCOX INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M294, TYPE S. PIPE SECTIONS SHALL BE JOINED WITH COUPLING BANDS OR EXTERNAL SNAP COUPLERS COVERING AT LEAST 2 FULL CORRUGATIONS ON EACH END OF THE PIPE. SLIT-TIGHT (GASKET) CONNECTIONS SHALL INCORPORATE A CLOSED SYNTHETIC EXPANDED RUBBER GASKET. MEETING THE REQUIREMENTS OF AASHTO D1056 GRADE 2A2. GASKETS SHALL BE INSTALLED ON THE CONNECTION BY THE PIPE MANUFACTURER. ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING.

110. COPPER PIPE SHALL BE TYPE K TUBING WITH COMPRESSION FITTINGS.

111. GAS PIPE MATERIAL SHALL BE PER PROPANE COMPANY REQUIREMENTS.

112. POLYVINYL CHLORIDE PIPE (PVC) FOR SANITARY PIPING SHALL HAVE BUILT-IN RUBBER GASKET JOINTS. PVC SHALL CONFORM TO ASTM D3034 (SDR35) WITH COMPRESSION JOINTS AND MOLDED FITTINGS. PVC SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS, ASTM D2321 AND MANUFACTURER'S RECOMMENDED PROCEDURE.

117. WELL PIPING SHALL BE HDPE WELL TUBING DR11 PER ASTM D2239 AND PE 4710 FOR IPS WATER LINE, OR CTS CONFORMING TO ASTM D2737 FOR SDR9 AND PE 3408/3608.

118. ALL CONSTRUCTION MATERIALS AND METHODS WITHIN THE STATE R.O.W. SHALL CONFORM THE CTDOT SPECIFICATION FORM 818.

DEFINITIONS

MUNICIPALITY SHALL MEAN TOWN OF ANDOVER

COUNTY SHALL MEAN TOLLAND

STATE SHALL MEAN CONNECTICUT

POTABLE WELL AUTHORITY SHALL MEAN CONNECTICUT DEPARTMENT OF HEALTH

SEPTIC SYSTEM AUTHORITY SHALL MEAN CONNECTICUT DEPARTMENT OF HEALTH

SUBSURFACE GAS IS NOT AVAILABLE AT THIS LOCATION

ZONING INFORMATION




LOCATION: TOWN OF ANDOVER, TOLLAND COUNTY, CONNECTICUT				
ZONE: INDUSTRIAL (I)				
USE: RETAIL SALES WITHIN A COMPLETELY CLOSED BUILDING (USE PERMITTED BY SITE PLAN REVIEW - PZC MAY HOLD PUBLIC HEARING)*				
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	MINIMUM LOT AREA	40,000 S.F. (~0.92 AC.)	54,034 S.F. (~1.24 AC.)	NO
2	MINIMUM LOT WIDTH	200 FEET	±165 FEET (LAKE RD.) ±315 FEET (RT. 6)	NO
3	MINIMUM LOT FRONTAGE	200 FEET	496 FEET	NO
4	MINIMUM FRONT SETBACK	100 FEET ¹	122.8 FEET ¹	NO
5	MINIMUM SIDE YARD BUILDING SETBACK	35 FEET (65 FEET ALONG RT-6) ¹	36.0 FEET	NO
6	MINIMUM TOTAL SIDE YARD BUILDING SETBACK	75 FEET ²	106.4 FEET	NO
7	MINIMUM REAR YARD BUILDING SETBACK	35 FEET	71.9 FEET	NO
8	MAXIMUM BUILDING HEIGHT	35 FEET / 2 STORIES	< 35 FEET	NO
9	MAXIMUM LOT COVERAGE	50 PERCENT	48.7 PERCENT	NO

- * NO APPLICATION FOR SPECIAL PERMIT/EXCEPTION OR SITE PLAN REVIEW SHALL BE DEEMED COMPLETE WITHOUT THE SUBMISSION OF A CERTIFIED COPY OF A MOTION FOR APPROVAL OF AN INLAND WETLANDS PERMIT AS ISSUED BY THE ANDOVER INLAND WETLANDS AND WATERCOURSES COMMISSION
- * IN ZONE B BUILDING FFE MUST BE LOCATED ABOVE FLOOD ELEVATION
1. A CORNER LOT SHALL MAINTAIN FRONT YARD REQUIREMENTS FOR THE STREET ON WHICH THE MAIN BUILDING FACES. A SIDE YARD OF A MINIMUM OF 65% OF THE SETBACK LINE FOR THE SIDE STREET SHALL BE MAINTAINED. ALL ACCESSORY BUILDINGS SHALL MAINTAIN FRONT YARD REQUIREMENTS FOR EACH STREET FRONTAGE. THE FRONT SETBACK ON US-6 CAN BE REDUCED TO 65 FEET WHILE THE BUILDING FACES LAKE ROAD
2. TOTAL SIDE YARD BUILDING SETBACK IS THE CUMULATIVE VALUE OF THE REQUIRED TWO SIDE YARDS HAVING THE MINIMUM OF ONE SIDE BEING 35 FEET. REFER TO NOTE 1 FOR THE CORNER LOT CONDITION OF THIS RULE ALONG ROUTE 6.

PARKING INFORMATION


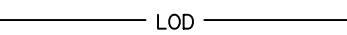




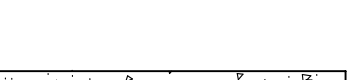


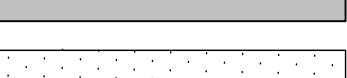
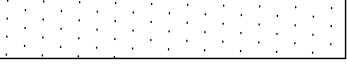
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	BUILDING SIZE	1,000 S.F.	10,640 S.F.	NO
2	MINIMUM PARKING REQUIRED	DETAIL: MIN. 2 SPACES PER EVERY 1,000 S.F. OF GROSS FLOOR AREA (10,640 S.F.) TOTAL REQUIRED = 22	35 SPACES	NO
3	MAXIMUM PARKING REQUIRED	DETAIL: MAX. 5 SPACES PER EVERY 1,000 S.F. OF GROSS FLOOR AREA (10,640 S.F.) TOTAL ALLOWED = 54		NO
4	BICYCLE REQUIREMENTS	1 SPACE FOR EVERY 15 PARKING SPACES TOTAL REQUIRED = 3	4 SPACES	NO
5	MINIMUM HANDICAPPED PARKING SPACES REQUIRED	2 SPACES	2 SPACES	NO
6	MINIMUM PARKING DIMENSIONS	9 FEET X 18 FEET	9 FEET X 20 FEET	NO
7	MINIMUM BICYCLE DIMENSIONS	12 S.F.	13.5 S.F.	NO
8	MINIMUM AISLE WIDTH	24 FEET - 2-WAY 20 FEET - 1-WAY	24 FEET - 2-WAY	NO
9	MINIMUM FRONT YARD PARKING SETBACK	NONE REQUIRED	25.4 FEET	NO
8	MINIMUM SIDE YARD PARKING SETBACK	NONE REQUIRED	4.7 FEET	NO
9	MINIMUM REAR YARD PARKING SETBACK	NONE REQUIRED	89.9 FEET	NO

TRAFFIC SIGN LEGEND

SIGN NO.	MUTCD NO.	LEGEND
A	31-0552	 30"
B	31-0629 (SIMILAR)	
C	31-0648	

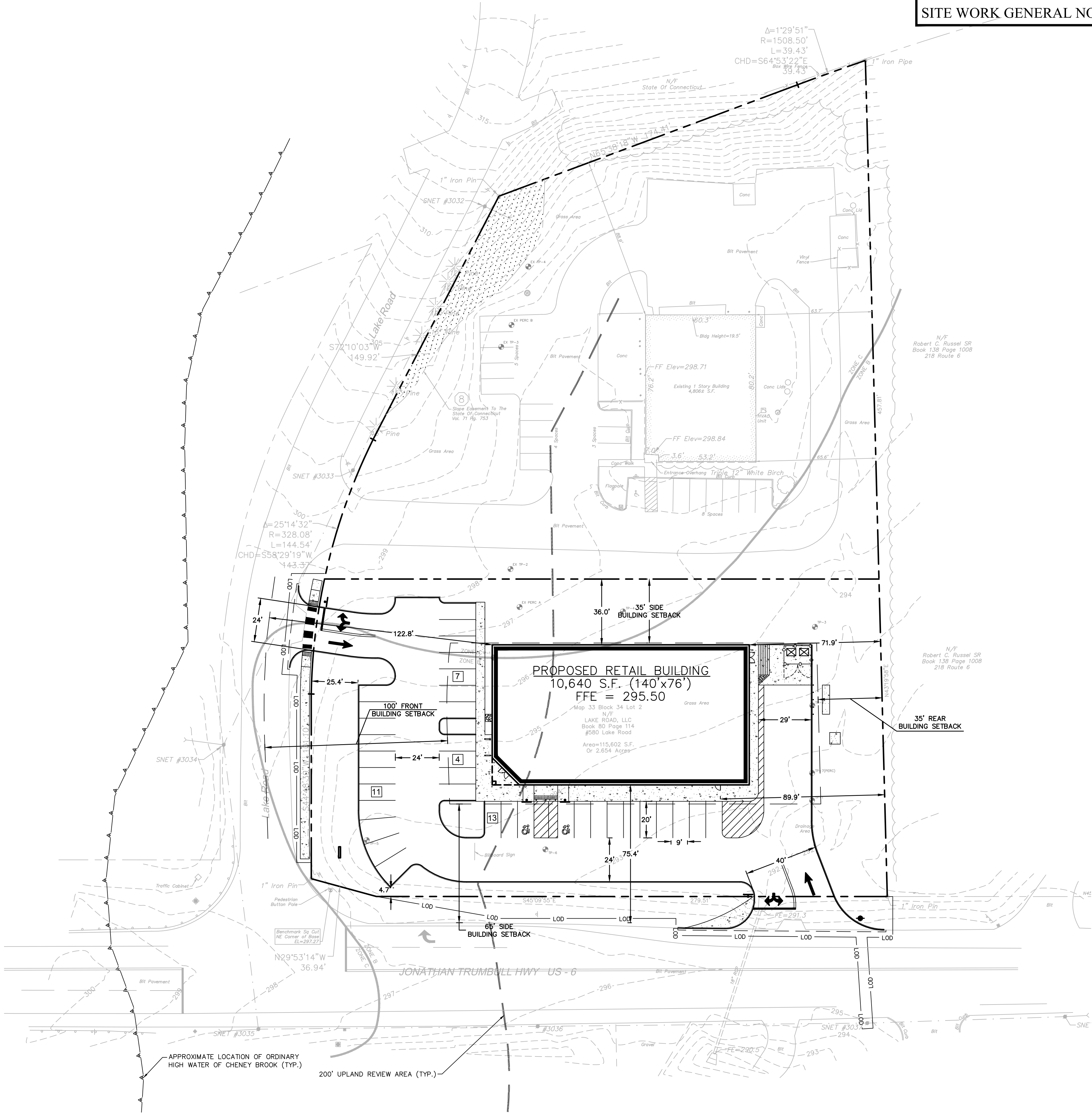
- NOTE:
1. HANDICAPPED SIGNS TO BE INSTALLED IN PIPE BOLLARDS (SEE DETAIL). ALL HANDICAP SIGNAGE TO CONFORM TO THE LATEST BUILDING CODE.
2. ANY SIGN POSTED IN THE STATE RIGHT OF WAY MUST CONFORM TO THE STATE STANDARDS FOR HEIGHT, BREAKAWAY POSTS, RETROREFLECTIVITY, ETC.

SITE PLAN LEGEND

	PROPERTY LINE
	LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
	PAVEMENT SAWCUT LINE
	PROVIDE AND INSTALL BITUMINOUS CONCRETE CURB
	6" HIGH BLACK VINYL COATED CHAIN LINK TRASH ENCLOSURE FENCE WITH PRIVACY SLATS AND GATE
	PROVIDE AND INSTALL CONCRETE PAVEMENT STRUCTURE, CONCRETE PAD, OR MONOLITHIC CONCRETE CURB AND SIDEWALK
	PROVIDE AND INSTALL FULL DEPTH STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
	PROVIDE AND INSTALL FULL DEPTH HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
	PROVIDE AND INSTALL FULL DEPTH H-20 LOAD RATED PERVIOUS PAVEMENT STRUCTURE
	PROVIDE AND INSTALL SIGN AND SIGN POST
	PROPOSED BUILDING

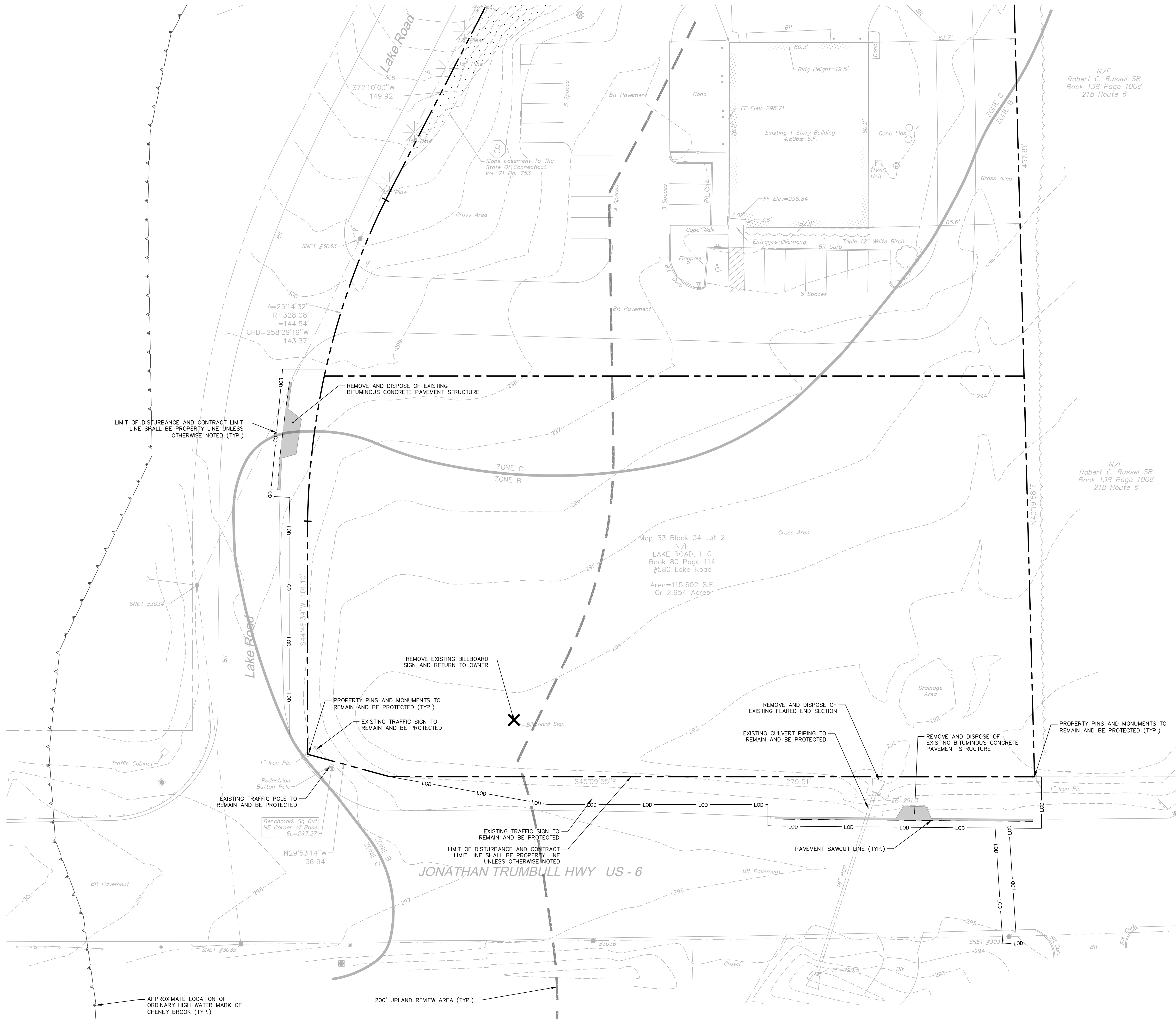
FOR PERMITTING PURPOSES ONLY
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REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



2/10/2022 JZEMBA, C:\JOB\210172601\DWG\DM210172601.DWG(DM210172601) 144X 28X.

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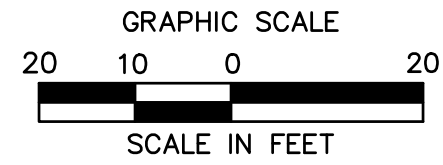
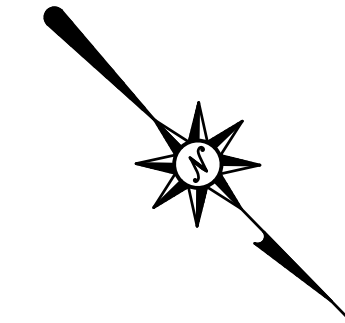


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REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES

DEMOLITION LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE AND SITEWORK
- CONTRACT LIMIT LINE
- SAWCUT LINE
- REMOVE AND DISPOSE OF EXISTING BITUMINOUS CONCRETE PAVEMENT STRUCTURE
- REMOVE AND DISPOSE OF SIGN, HYDRANT, FIXTURE, STRUCTURE, ETC.



100 Constitution Plaza, 10th Floor
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax



PROPOSED RETAIL DEVELOPMENT 580 LAKE ROAD ANDOVER, TOLLAND COUNTY, CONNECTICUT

Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER TOWN ENGINEER COMMENTS
REVISED PER CTDOT COMMENTS

Date
12/10/2021
12/10/2021
01/28/2022

No.
1
2
3

Designed

Drawn

Reviewed

Scale

Project No.

Date

CAD File:
DM210172601

S.E.L.
Z.T.Z.
J.A.B.
1"=20'
2101726
11/18/2021

Title

DEMOLITION
PLAN

Sheet No.

DM-1
Sheet 7 of 32

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES

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PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

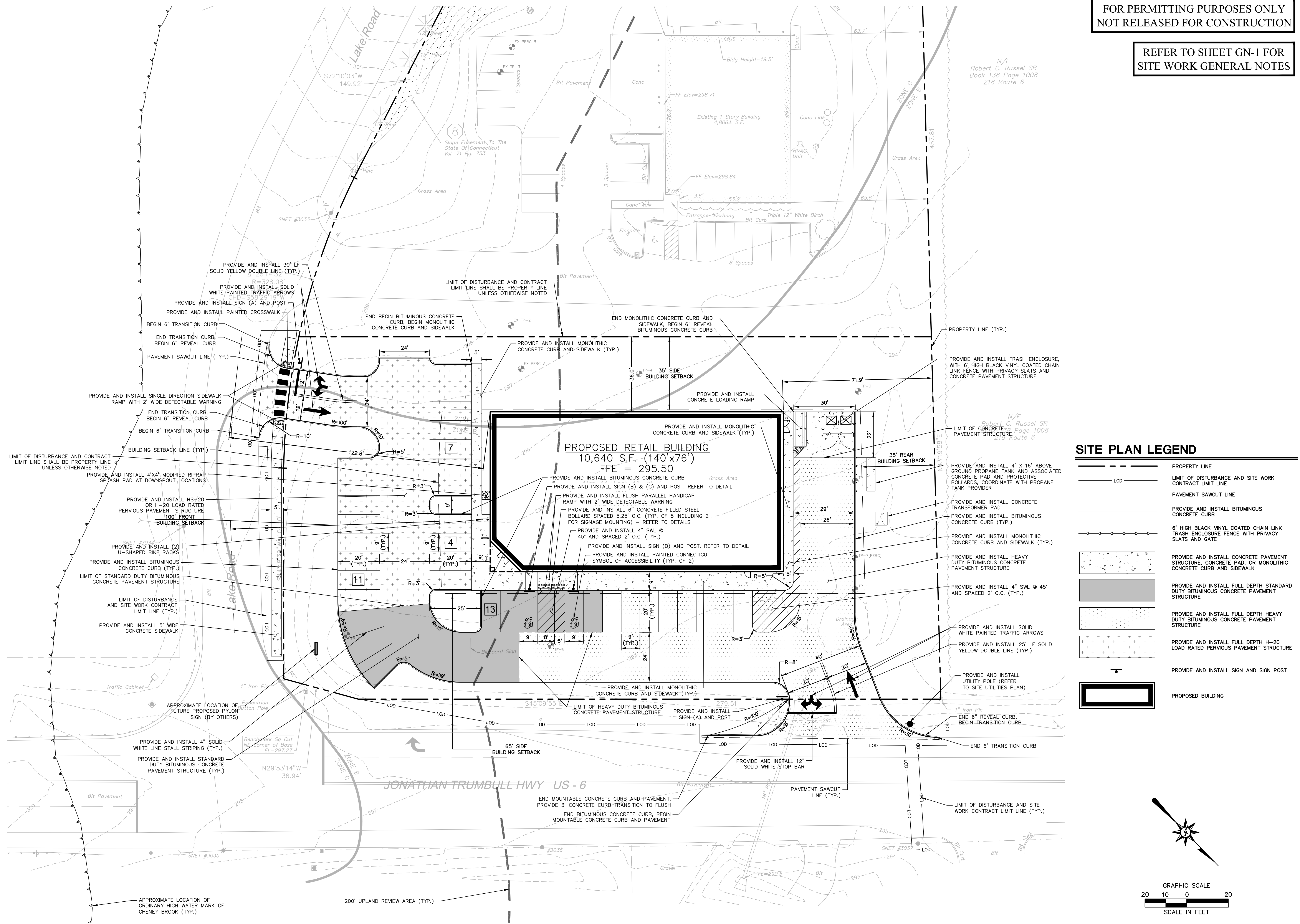
No.	Date	Desc.
1.	12/10/2021	REVISED PER HEALTH DISTRICT COMMENTS
2.	01/10/2022	REVISED PER HEALTH DISTRICT COMMENTS
3.	01/28/2022	REVISED PER CTDOT COMMENTS

Designed	S.E.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	1"=20'
Project No.	2101726
Date	11/18/2021
AD File:	
SP210172601	

SITE PLAN

Sheet No.

SP-1
Sheet 8 of 32

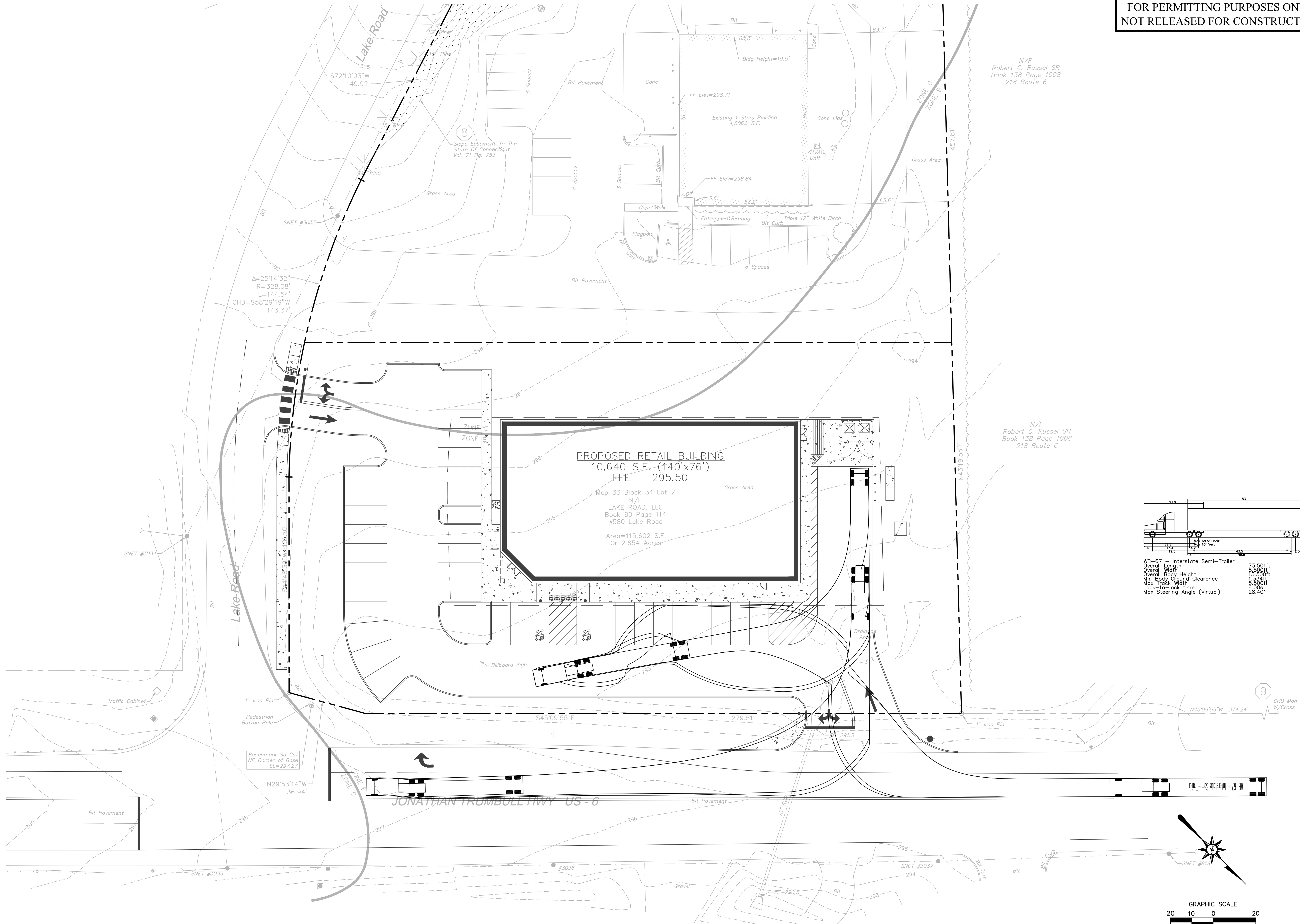


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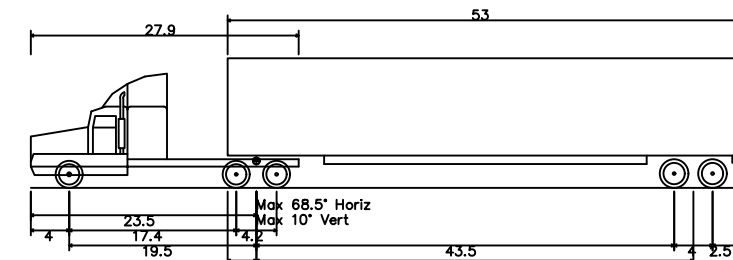
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WB-67 - Interstate Semi-Trailer
Overall Length 73.50ft
Overall Width 8.50ft
Overall Body Height 13.50ft
Min Body Ground Clearance 1.34ft
Max Track Width 8.50ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 28.40°



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PROPOSED RETAIL DEVELOPMENT 580 LAKE ROAD ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS	Desc.	REVISED PER HEALTH DISTRICT COMMENTS	REVISED PER TOWN COMMENTS	REVISED PER CTDOT COMMENTS
Date	12/10/2021			
No.	1			
	2			
	3			

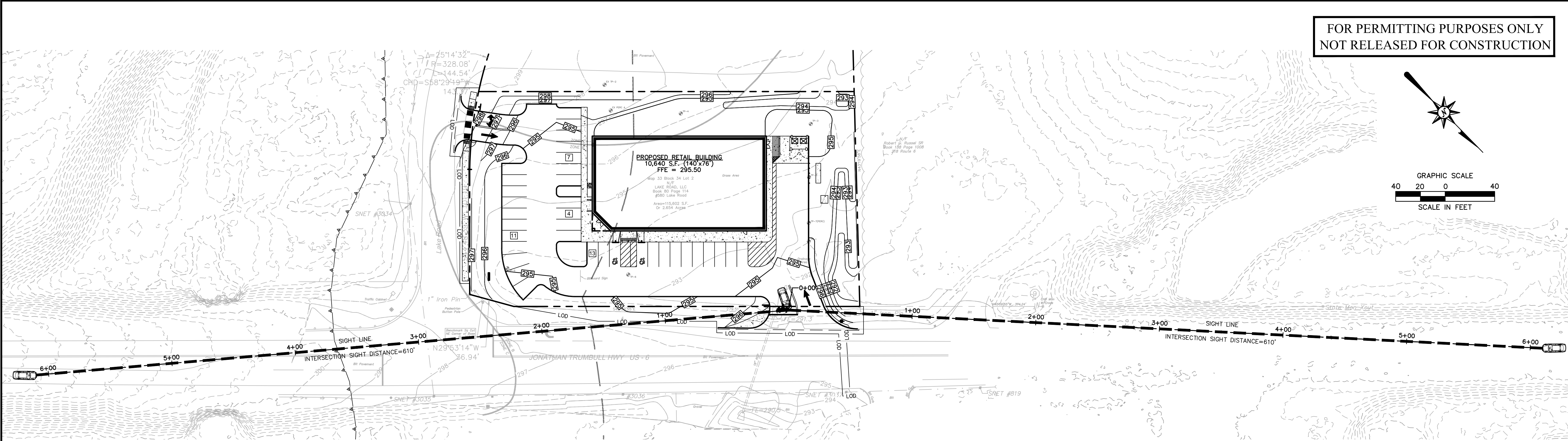
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Project No. 2101726
Date 11/18/2021

CAD File: TT210172601
Title
**TRUCK TURN
PLAN (WB-67)**

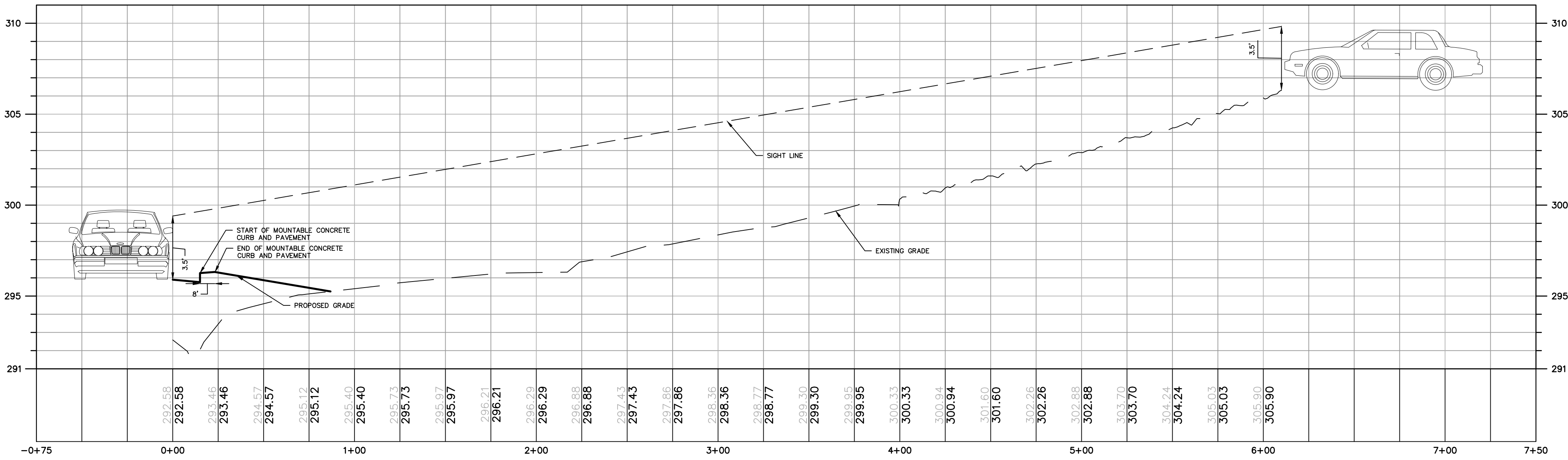
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TT-1

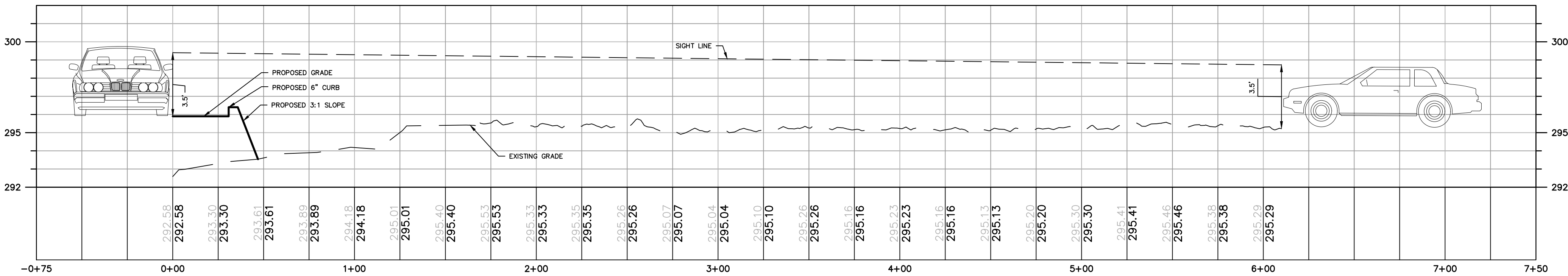
Sheet 9 of 32



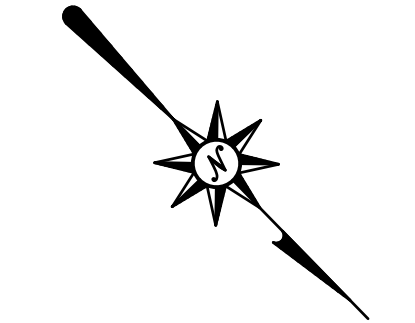
SITE LINE - LOOKING RIGHT



SITE LINE - LOOKING LEFT



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GRAPHIC SCALE
40 20 0 40
SCALE IN FEET



PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER TOWN ENGINEER COMMENTS
REVISED PER CTDOT COMMENTS

REVISIONS
Date
12/10/2021
1/11/2022
01/28/2022

No.
1
2
3

Designed S.E.L.
Drawn Z.T.Z.
Reviewed J.A.B.
Scale 1"=40'
Project No. 2101726
Date 11/18/2021

CAD File:
SD210172601

Title

**INTERSECTION
SITE DISTANCE
PLAN**

Sheet No.

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REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS
Date
12/10/2021
1
2
3
Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER CTDOT COMMENTS

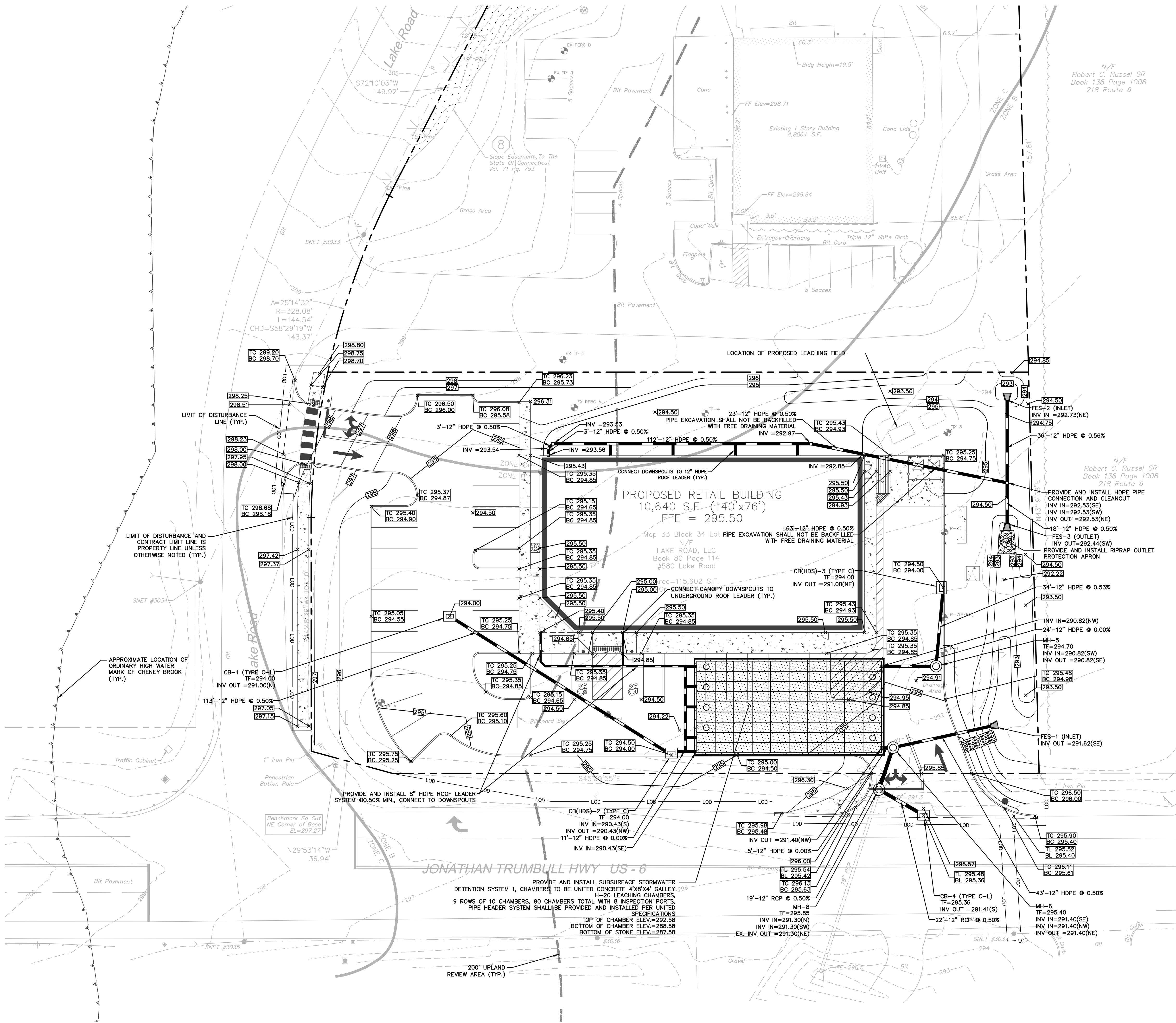
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Drawn Z.T.Z.
Reviewed J.A.B.
Scale 1"=20'
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Date 11/18/2021
CAD File: GD210172601

Grading and
Drainage Plan

Sheet No.

GD-1

Sheet 11 of 32



Grading and Drainage Legend

- PROPERTY LINE
- LIMIT OF DISTURBANCE AND SITESWORK
- CONTRACT LIMIT LINE
- SAWCUT LINE
- STORM LINE
- MANHOLE
- CATCH BASIN
- YARD DRAIN
- PROPOSED CONTOUR LINE
- PROPOSED SPOT GRADE
- SPOT GRADE ABBREVIATIONS
BC BOTTOM OF CURB
TC TOP OF CURB
MEX MEET EXISTING CONDITION

NOTE:
ALL CATCH BASINS SHALL HAVE HOODED OUTLETS AND A MIN. 4" SUMP

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REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS	Desc.	Date
1	REVISED PER HEALTH DISTRICT COMMENTS	12/10/2021
2	REVISED PER TOWN ENGINEER COMMENTS	01/28/2022
3	REVISED PER CTDOT COMMENTS	01/28/2022

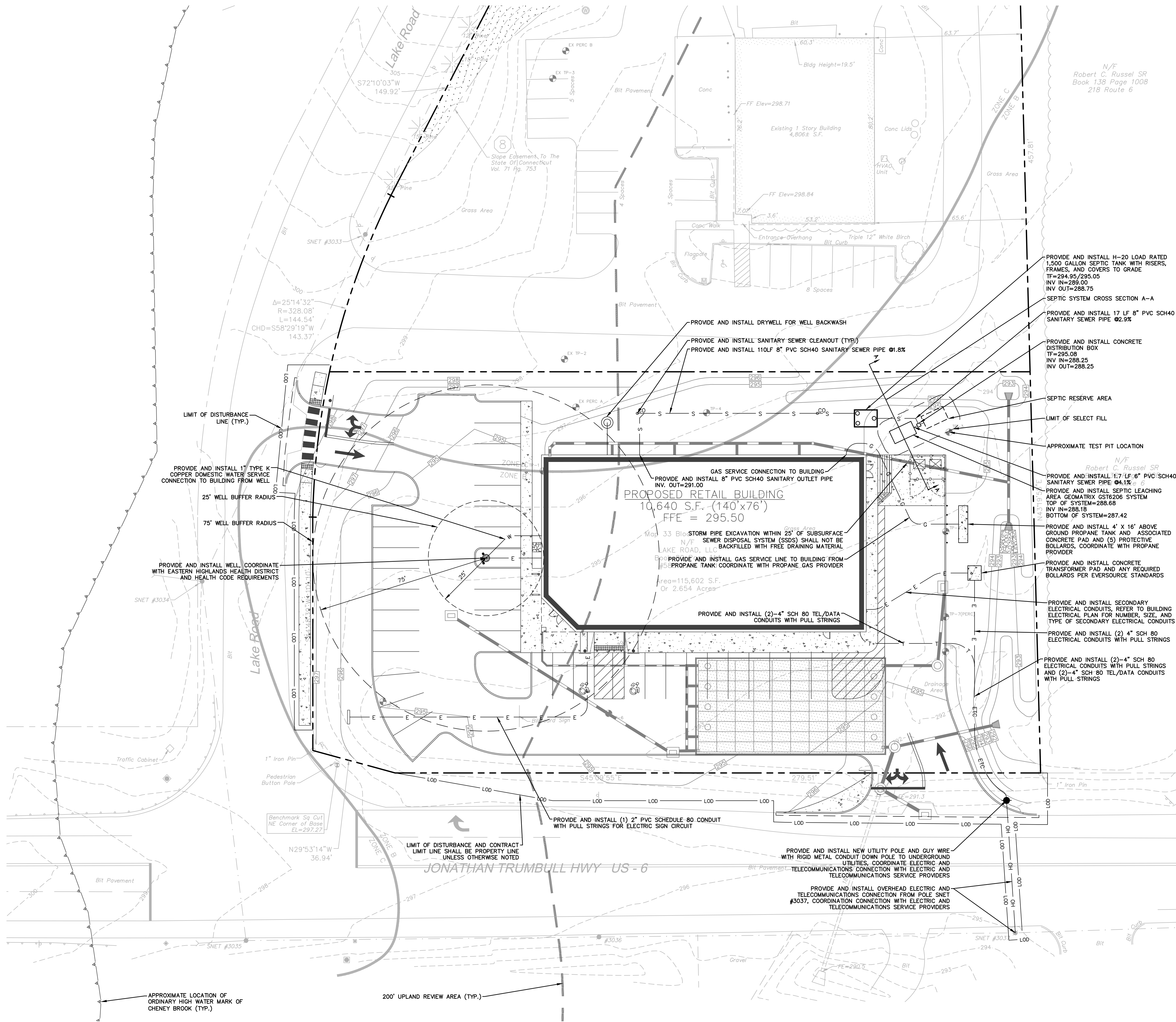
Designed	S.E.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	1"=20'
Project No.	2101726
Date	11/18/2021
CAD File:	SU210172601

**SITE UTILITIES
PLAN**

Sheet No.

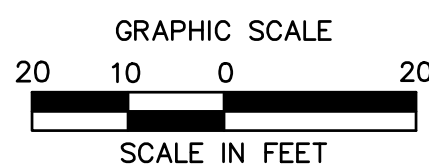
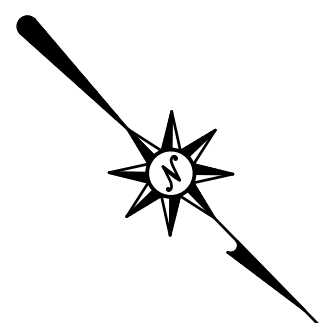
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Sheet 12 of 32

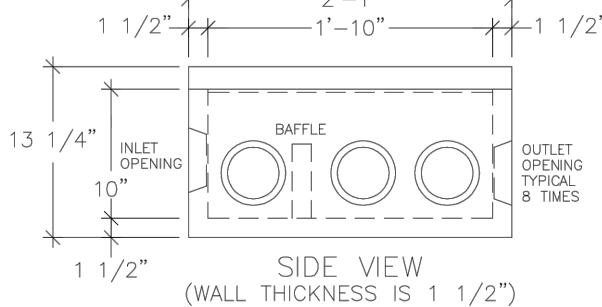


SITE UTILITIES LEGEND

---	PROPERTY LINE
---	LIMIT OF DISTURBANCE AND SITEWORK
---	CONTRACT LIMIT LINE
---	SAWCUT LINE
---	ELECTRIC LINE
---	GAS LINE
---	WATER LINE
---	SANITARY SEWER LINE
---	TELECOMMUNICATIONS LINE
---	ELECTRIC AND TELECOMMUNICATIONS LINE
---	STORMWATER PIPE

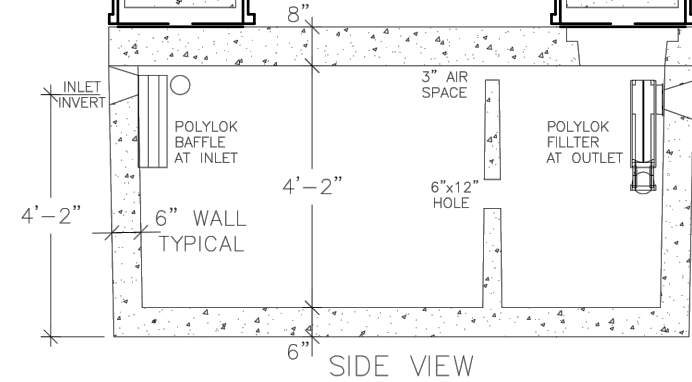


5. AASHTO H-20 LOAD RATED



CONCRETE DISTRIBUTION BOX

N.T.S

9
TIC TANK

1,500 GALLON SEPTIC TANK

N.T.S



SEPTIC SYSTEM MANHOLE FRAME AND COVER

N.T.S



SEPTIC SYSTEM CROSS SECTION (SECTION A-A)

*H=	6" (GST6206)	*Distribution Pipe: 6" PVC SCH40
	12" (GST6212)	SDR 35 or Schd. 40, ASTM D-1785 PVC pipe for gravity applications
	18" (GST6218)	Schd. 40, ASTM D-1785 PVC pipe for pressure applications
	24" (GST6224)	
	30" (GST6230)	
	36" (GST6236)	

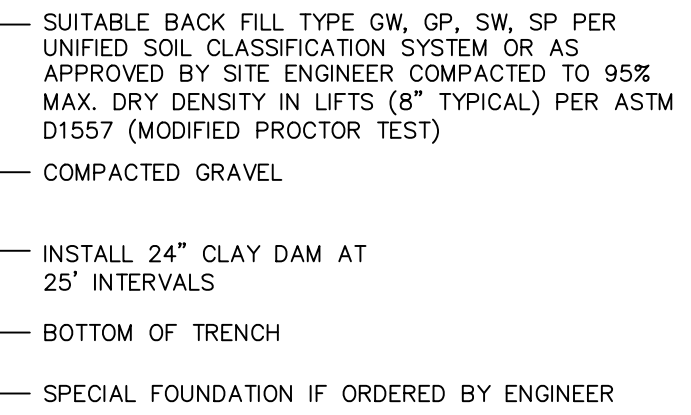
Copyright 2010 Geomatrix Systems, LLC
Manufactured under one or more of the following
US Patent Number 7,374,670, 7,465,390, 7,351,005
Other patents pending

GEOMATRIX ST LEACHING SYSTEM
H-20
Geomatrix Systems, LLC., Old Saybrook, CT
860-510-0730

	None	REV.	B
11/16/2010		ACAD NOS. GST H-20DWG	
By: ERP		SHEET 1	Of 1

GEOMATRIX GST6206 LEACHING SYSTEM SECTION

N.T.S



TYPICAL SEPTIC PIPING SECTION BUILDING TO TANK, TANK TO D-BOX

N.T.S

	PERCENT PASSING	
SIEVE SIZE	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50*	10 - 75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

* Percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.

Select fill that does not meet the dry sieve gradation criteria but meets the wet sieve gradation criteria is acceptable. Sieve testing of the fill is required for large (2,000 GPD or greater) systems, whereas the leaching system is located totally in select fill. The local director of health may require sieve testing of select fill on less than 2,000 GPD sewage systems in accordance with PHC Section 19-B-1306 (c) (d) (6). The licensed installer is responsible for preparing the leaching area with necessary select fill. The topsoil in the leaching system area must be removed and the subsoil scarified prior to select fill placement unless otherwise directed by the design engineer. The installer shall take the necessary steps to protect the underlying naturally occurring soil from over compaction or damage. The installer is responsible for properly compacting select fill to facilitate construction and to prevent settling. Select fill shall extend a minimum of five (5) feet laterally in all directions beyond the outer perimeter of the leaching system.

SELECT FILL

*4" I.D., ASTM D-3034, SDR 35 pipe for gravity applications
75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure applications

<p align="center">GEOMATRIX ST LEACHING SYSTEM Plan View Geomatrix Systems, LLC., Killingworth, CT 860-663-3993</p>		
SCALE	NONE	REV. C-01/28/08
DATE	6/28/2007	ACAD NO. GEO ST 13 PL
DRAWN BY:	ERP	SHEET 1 OF

GEOMATRIX GST6206 LEACHING SYSTEM TYPICAL LAYOUT

N.T.S

1. INSTALLATION OF THE SYSTEM MUST BE SUPERVISED BY ENGINEER. ENGINEER SHALL INSPECT TANK EXCAVATION, PLACEMENT OF TANKS AND VERIFY ALL INVERTS OF THE TANK PRIOR TO BACKFILL.
2. DURING TANK INSTALLATION, RELOCATE ANY EXPOSED UTILITIES TO MORE THAN 5 FEET FROM THE TANK AS PER TABLE 1 IN THE CT PUBLIC HEALTH CODE.
3. NO FOOTING DRAINS WILL BE INSTALLED WITHIN 25' OF THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM.
4. SUBSURFACE SEWAGE DISPOSAL SYSTEM TO BE INSTALLED LEVEL, WITH NO CHANGE IN ELEVATION OR SLOPE ACROSS THE DISPOSAL FIELD.

1. FOLLOWING INSTALLATION THE SEPTIC TANK SHALL BE PUMPED OUT QUARTERLY TO START. THE THICKNESS OF ACCUMULATED FLOATABLES AND SOLIDS SHALL BE DETERMINED AND RECORDED AT PUMP OUT. FOLLOWING THE FIRST YEAR THE ENGINEER SHALL REVIEW THE ACCUMULATION AND REVISE THE MAINTENANCE SCHEDULE.



PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER CTDOT COMMENTS

REVISIONS	
No.	Date
1.	12/10/2021
2.	01/10/2022
3.	01/28/2022

Designed	S.E.L.
Drawn	S.E.L.
Reviewed	
Scale	AS NOTED
Project No.	2101726
Date	11/18/2021
CAD File:	
SS210172601	

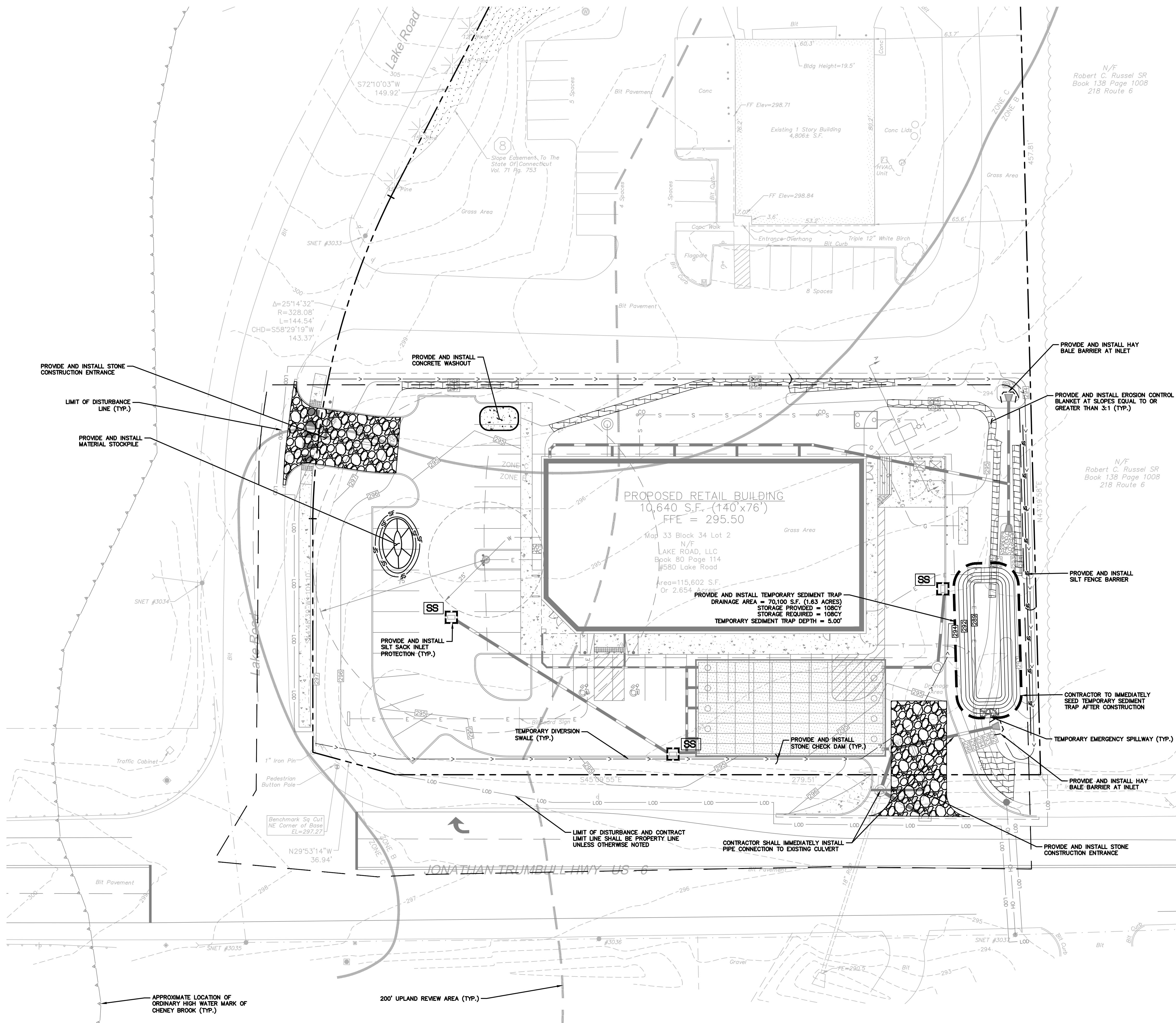
SEPTIC SYSTEM DETAILS

Sheet No. _____

SS-1
Sheet 13 of 32

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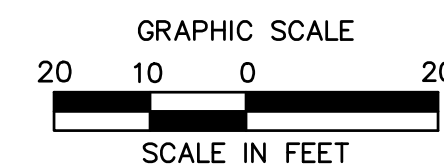
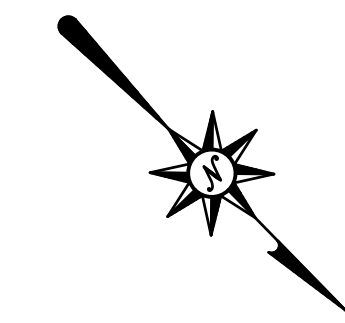


FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

REFER TO SHEET EC-2 FOR SEDIMENT
AND EROSION CONTROL NOTES

EROSION CONTROL LEGEND

---	PROPERTY LINE
---	LIMIT OF DISTURBANCE AND SITESWORK
---	CONTRACT LIMIT LINE
---	SAWCUT LINE
---	TEMPORARY DIVERSION SWALE
---	TEMPORARY SEDIMENT TRAP DRAINAGE AREA
---	SILT FENCE BARRIER
---	HAY BALES
SS	SILT SACK INLET PROTECTION
)	STONE CHECK DAM
	CONCRETE WASH PIT
	TEMPORARY MATERIAL STOCKPILE
	CONSTRUCTION ENTRANCE
	EROSION CONTROL BLANKET



PROPOSED RETAIL DEVELOPMENT

580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS	Date	Desc.
1	12/10/2021	REVISED PER HEALTH DISTRICT COMMENTS
2	01/28/2022	REVISED PER CTDOT COMMENTS
3		

Designed	S.E.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	1"=20'
Project No.	2101726
Date	11/18/2021
CAD File:	EC210172601

SEDIMENT AND EROSION CONTROL PLAN

Sheet No.

EC-1

Sheet 15 of 32



Architecture
Engineering
Environmental
Land Surveying

Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER CIDOT COMMENTS

Designed	S.E.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	NONE
Project No.	2101726
Date	11/18/2021
CAD File:	

SEDIMENT AND EROSION CONTROL NOTES

EC-2

SEDIMENT AND EROSION CONTROL NOTES - CONNECTICUT

SEDIMENT & EROSION CONTROL NARRATIVE

SEDIMENT & EROSION CONTROL NARRATIVE

THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND ANY ADJACENT WATER COURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFACE RUNOFF EROSION CONTROLS PRIOR TO THE BEGINNING OF PROJECT DEMOLITION AND/OR CONSTRUCTION.

CONSTRUCTION SCHEDULE

THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS SPRING 2022 WITH COMPLETION ANTICIPATED FALL 2022. APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES AS DESCRIBED HEREIN SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN

THE CONTRACTOR SHALL INSTALL ALL SPECIFIED SEDIMENT AND EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENTS OF THE MUNICIPALITY SOILS CONSERVATION DISTRICT OR INLAND WETLANDS COMMISSION AND/OR CIVIL ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- ## OPERATION REQUIREMENTS

CLEARING AND GRUBBING OPERATIONS

- ## ROUGH GRADING OPERATIONS

1. DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.
2. ALL STOCKPILED TOPSOIL SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE.

FILLING OPERATIONS

1. PRIOR TO FILLING, ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED, AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.
2. ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINE PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN LIFT THICKNESSES NOT GREATER THAN THAT SPECIFIED IN PROJECT SPECIFICATIONS AND/OR THE PROJECT GEOTECHNICAL REPORT. LIFTS SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS OR IN THE PROJECT GEOTECHNICAL REPORT.
3. AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY DIVERSION DITCHES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERT SURFACE RUNOFF TO THE SEDIMENT BASINS OR SEDIMENT TRAPS.

PLACEMENT OF DRAINAGE STRUCTURES, UTILITIES, AND BUILDING CONSTRUCTION OPERATIONS.

1. SILT FENCES SHALL BE INSTALLED AT THE DOWNHILL SIDES OF BUILDING EXCAVATIONS, MUD PUMP DISCHARGES, AND

UTILITY TRENCH MATERIAL STOCKPILES. HAY BALES/STRAW BALES MAY BE USED IF SHOWN ON THE SEDIMENT AND EROSION CONTROL PLANS OR IF DIRECTED BY THE CIVIL ENGINEER.

FINAL GRADING AND PAVING OPERATIONS

1. ALL INLET AND OUTLET PROTECTION SHALL BE PLACED AND MAINTAINED AS SHOWN ON SEDIMENT AND EROSION CONTROL PLANS AND DETAILS, AND AS DESCRIBED IN SPECIFICATIONS AND AS DESCRIBED HEREIN.
2. NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, OR JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND ANY ROAD OR DRIVEWAY SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
3. PAVEMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED.
4. AFTER CONSTRUCTION OF PAVEMENT, TOPSOIL, FINAL SEED, MULCH AND LANDSCAPING, REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED AND IS NOT BEING INSPECTED AND APPROVED BY THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

- A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
- B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
- C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
- D. BACKFILL THE TRENCH AND COMPACT.
- II. HAY BALES/STRAW BALES
 - A. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
 - B. BALES SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER.
 - C. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES.
 - D. THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER LEAKAGE.
 - E. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE, TO ENSURE THAT RUN-OFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER, BUT NOT AROUND IT.

OPERATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES

- I. SILTATION FENCE
A. ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
- B. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY REACH A MAXIMUM HEIGHT OF ONE FOOT.
- II. HAY BALES/STRAW BALES
A. HAY BALE/STRAW BALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED.
- B. DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT.
- III. SEDIMENT BASINS/SEDIMENT TRAPS
A. CONTRACTOR TO KEEP WEEKLY CHECKLIST LOGS FOR INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROL DEVICES AND HAVE THEM READILY AVAILABLE ON-SITE AT ALL TIMES FOR INSPECTION BY DEEP, LOCAL AUTHORITIES OR ENGINEER.
- B. ALL SEDIMENT BASINS AND/OR SEDIMENT TRAPS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF SLOPES SHALL BE PROMPTLY MADE AS NEEDED.
- C. SEDIMENT DEPOSITS SHALL BE REMOVED FROM SEDIMENT BASINS AND/OR SEDIMENT TRAPS WHEN THEY REACH A MAXIMUM HEIGHT OF ONE FOOT UNLESS OTHERWISE INDICATED ON THE EROSION CONTROL PLANS AND DETAILS TO BE AT A SPECIFIC ELEVATION PER CLEAN OUT MARKERS.

SEDIMENT AND EROSION CONTROL PLAN

1. HAY BALE/STRAW BALE FILTERS WILL BE INSTALLED AT ALL CULVERT OUTLETS IF CULVERT OUTLETS ARE APPLICABLE TO THIS PROJECT AND SILTATION FENCE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
2. CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP CHANNELS. ENERGY DISSIPATORS WILL BE INSTALLED AS SHOWN ON THESE PLANS AND AS NECESSARY.
3. CATCH BASINS WILL BE PROTECTED WITH HAY BALE/STRAW BALE FILTERS, SILT SACKS, SILTATION FENCE, OR OTHER INLET PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
4. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
5. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO DEMOLITION AND/OR CONSTRUCTION WHENEVER POSSIBLE.
6. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE DEMOLITION AND CONSTRUCTION PERIOD UNTIL THE SITE IS DETERMINED TO BE STABILIZED BY THE AUTHORITY HAVING JURISDICTION.
7. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR AS DIRECTED BY THE CIVIL ENGINEER OR BY THE AUTHORITY HAVING JURISDICTION.
8. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLANS, NOTES, AND DETAILS.

SEDIMENT AND EROSION CONTROL NOTES

1. THE SEDIMENT AND EROSION CONTROL PLAN IS ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL TREATMENT FOR THIS SITE. SEE SEDIMENT AND EROSION CONTROL DETAILS AND CONSTRUCTION SEQUENCE. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
2. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES, INFORMING A PERSONS WITH CONSTRUCTION OF THE PROJECT OF THE REQUIREMENTS AND OBLIGATIONS OF THIS PLAN, INFORMING THE AUTHORITY HAVING JURISDICTION OR COUNTY SOILS CONSERVATION DISTRICT OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
3. AN EROSION CONTROL BOND MAY BE REQUIRED TO BE POSTED WITH THE MUNICIPALITY TO ENSURE IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE POSTING OF THIS BOND AND FOR INQUIRY TO THE MUNICIPALITY FOR INFORMATION ON THE METHOD, TYPE AND AMOUNT OF THE BOND POSTING UNLESS OTHERWISE DIRECTED BY THE OWNER.
4. VISUAL SITE INSPECTIONS SHALL BE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT OF 0.25 INCHES OR GREATER BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN SEDIMENT AND EROSION CONTROL, TO ASCERTAIN THAT THE SEDIMENT AND EROSION CONTROL (E&S) BMPs ARE OPERATIONAL AND EFFECTIVE IN PREVENTING A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
a) A SUMMARY OF THE SITE CONDITIONS, E&S BMPs, AND COMMENTS;
b) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION
5. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION. THE CONTRACTOR SHALL KEEP A COPY OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION.
6. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, SITE ENGINEER, MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION, OR GOVERNING AGENCIES. THE CONTRACTOR SHALL OBTAIN THE OWNER AND ALL GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.

- THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS BEFORE AND AFTER EACH STORM (0.25 INCHES OR GREATER RAINFALL, OR AT LEAST WEEKLY, TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.
8. THE CONTRACTOR SHALL KEEP A SUPPLY OF SEDIMENT AND EROSION CONTROL MATERIAL (HAY BALES, SILT FENCE, JUTE MESH, RIP RAP, ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.
9. PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING AT THE DRIP LINE OR AS SHOWN WITH SNOW FENCE, ORANGE SAFETY FENCE, OR EQUIVALENT FENCING. ANY LIMB TRIMMING SHOULD BE DONE BEFORE CONSTRUCTION BEGINS IN THAT AREA; FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.
10. INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SILT FENCE UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
11. STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
12. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN ONE (1) MONTH.
13. SEDIMENT BASINS AND SEDIMENT TRAPS SHALL PROVIDE 134 CUBIC YARDS OF SEDIMENT STORAGE PER ACRE CONTRIBUTING TO THE BASIN. PROVIDE BASIN VOLUMES FOR ALL DISTURBANCE ON SITE.
14. COMPLY WITH REQUIREMENTS OF CGS SECTION 22A 430R, FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
15. STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY ON SITE EXCAVATION AND SHALL BE MAINTAINED DURING ALL DEMOLITION, EXCAVATION AND CONSTRUCTION ACTIVITIES.
16. MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS MUCH AS PRACTICABLE (ONE WEEK MINIMUM UNSTABILIZED PERIOD) AND PERMANENT PERENNIAL PGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE LEAF LITTER AT RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE LEAF LITTER ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS WILL BE HYDROSEEDED WITH TACKIFIER.
17. MAINTAIN EXISTING PAVED AREAS FOR CONSTRUCTION STAGING FOR AS LONG AS POSSIBLE.
18. SILT FENCE AND OTHER SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CONTRACT DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO WORK IN ANY UPLAND AREAS.
19. EXCAVATED MATERIAL FROM TEMPORARY SILT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
20. INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE TENCATE ENVROFENCE, PROPEX GEOTEX OR EQUIVALENT APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC USED SHALL BE TENCATE 140N OR 170N, OR APPROVED EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
21. WHERE INDICATED ON SEDIMENT AND EROSION CONTROL PLANS USE NEW HAY/STRAW BALES AND REPLACE THEM WHENEVER SIGNIFICANT DETERIORATION BEYOND REASONABLE USABILITY. STAKE BALES SECURELY INTO GROUND AND BUTT TIGHTLY TOGETHER TO PREVENT UNDERCUTTING AND BYPASSING.
22. INSTALL TEMPORARY DIVERSION DITCHES, FLUNCE PILES, SEDIMENT BASINS, SEDIMENT TRAPS, CONCRETE WASH PITS AND DEWATERING PITS AS SHOWN AND AS NECESSARY DURING VARIOUS PHASES OF CONSTRUCTION TO CONTROL RUNOFF UNTIL UPHILL AREAS ARE DETERMINED TO BE STABILIZED BY THE AUTHORITY HAVING JURISDICTION. LOCATION OF TEMPORARY SEDIMENT BASINS WILL REQUIRE REVIEW AND APPROVAL BY THE CIVIL ENGINEER AND AUTHORITY HAVING JURISDICTION.
23. DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY PITS, SEDIMENT TRAP, SEDIMENT BASIN OR GRASS FILTERS WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM DRAINAGE SYSTEM OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR.
24. BLOCK THE OPEN UPSTREAM ENDS OF ANY CULVERTS, DETENTION BASIN/SEDIMENTATION BASIN OUTLET CONTROL ORIFICE UNTIL SITE IS STABILIZED. BLOCK END OF STORM SEWERS IN EXPOSED TRENCHES WITH BOARDS AND SANDBAGS AT THE END OF EACH WORKING DAY WHEN RAIN IS EXPECTED.
25. SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. OTHER DUST CONTROL MEASURES TO BE USED AS NECESSARY INCLUDE WATERING DOWN DISTURBED AREAS, USING CALCIUM CHLORIDE, AND COVERING LOADS ON DUMP TRUCKS.
26. PERIODICALLY CHECK ACCUMULATED SEDIMENT LEVELS IN THE SEDIMENT BASINS AND SEDIMENT TRAPS DURING CONSTRUCTION AND CLEANOUT ACCUMULATED SILT WHEN NECESSARY OR WHEN ONE FOOT OF SEDIMENT HAS ACCUMULATED OR PER SIGNIFICANT CLEANOUT MARKER ELEVATION. CLEAN ACCUMULATED SEDIMENT FROM CATCH BASIN SUMPS AS NECESSARY AND AS DIRECTED BY THE CIVIL ENGINEER OR OWNER'S CONSTRUCTION REPRESENTATIVE. REMOVE ACCUMULATED SEDIMENT FROM BEHIND HAY/STRAW BALES AND SILT FENCE WHEN LEVEL REACHES HALF THE HEIGHT OF THE BALE OR ONE FOOT AT SILT FENCE. DISPOSE OF SEDIMENT LEGALLY EITHER ON OR OFF SITE.
27. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
28. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAY OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
29. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF UTILITY AND STORM PIPE TRENCHES SO AS TO ALLOW THE TRENCH TO INTERCEPT ALL SILT LADEN RUNOFF.
30. CONTRACTOR SHALL ONLY EXCAVATE AS MUCH UTILITY AND STORM PIPE TRENCH WORK AS CAN BE COMPLETED, BACKFILLED AND STABILIZED IN ONE DAY SO AS TO LIMIT THE AMOUNT OF OPEN, DISTURBED TRENCHING.
31. ANY STOCKPILES OF WIND-BLOWN MATERIALS ARE TO BE PERIODICALLY SPRAYED WITH WATER OR A CRUSTING AGENT TO STABILIZE POTENTIALLY STRIPPED-MATERIAL. HAUL ROADS BOTH INTO AND AROUND THE SITE ARE TO BE SPRAYED AS NECESSARY TO SUPPRESS DUST. TRUCKS HAULING IMPACT LIFT MATERIAL ARE TO BE TARPED TO AID IN THE CONTROL OF DUST. MUST BE DONE PRIOR TO ANY WORK BEING DONE AT OR NEAR (10 MPH SUSTAINED) CONSTRUCTION ACTIVITY SHALL BE LIMITED OR CEASED IF DUST CANNOT BE CONTROLLED BY WETTING.
32. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% FORM PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS UNLESS OTHERWISE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
33. MAINTAIN ALL PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP PARKING LOT AND REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS WHEN AUTHORIZED BY AUTHORITY HAVING JURISDICTION. FILE NOT (NOTICE OF TERMINATION OF JURISDICTION RESPONSIBLE FOR REGULATING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER NPDES).

STATE SPECIAL CONCERN SPECIES—WOOD TURTLE

APRIL 1 TO OCTOBER 31:

1. CONTRACTOR SHALL INSTALL EXCLUSIONARY FENCING AT LEAST 20 IN TALL AT THE LIMIT OF DISTURBANCE TO PREVENT ANY TURTLE ACCESS INTO DISTURBANCE AREAS. THE EXCLUSIONARY FENCING MUST BE SECURED AND REMAIN IN CONTACT WITH THE GROUND AT ALL TIMES. THE FENCING MUST BE MAINTAINED AT ALL TIMES TO PREVENT MAJOR EVENTS TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET AN ANIMAL PASS THROUGH.
2. ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THE AREA IS UTILIZED, MUST BE REMOVED BY CONTRACTOR TO REMOVE INDIVIDUALS AND EXCLUDE THEM FROM RE-ENTRY.
3. ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE TURTLE HABITAT MUST BE APPRISED OF THE SPECIES DESCRIPTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES.
4. THE CONTRACTOR SEARCH THE WORK AREA EACH MORNING PRIOR TO ANY WORK BEING DONE.
5. ANY TURTLES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA AND THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS POINT TO THE ADJACENT AREA TO REMOVE ACCESS POINT. THIS ANIMAL IS PROTECTED BY LAW AND SHOULD NOT BE RELOCATED OFF-SITE.
6. IN THE EVENT THE STAGING AREA IS USED FOR EXCLUSION, IT MAY BE USED FOR EXCLUSION AS SOON AS THE STAGING AREA DISTURBANCE IS FINISHED TO ALLOW RE-ENTRY AND AMPHIBIAN PASSAGE TO RESUME.



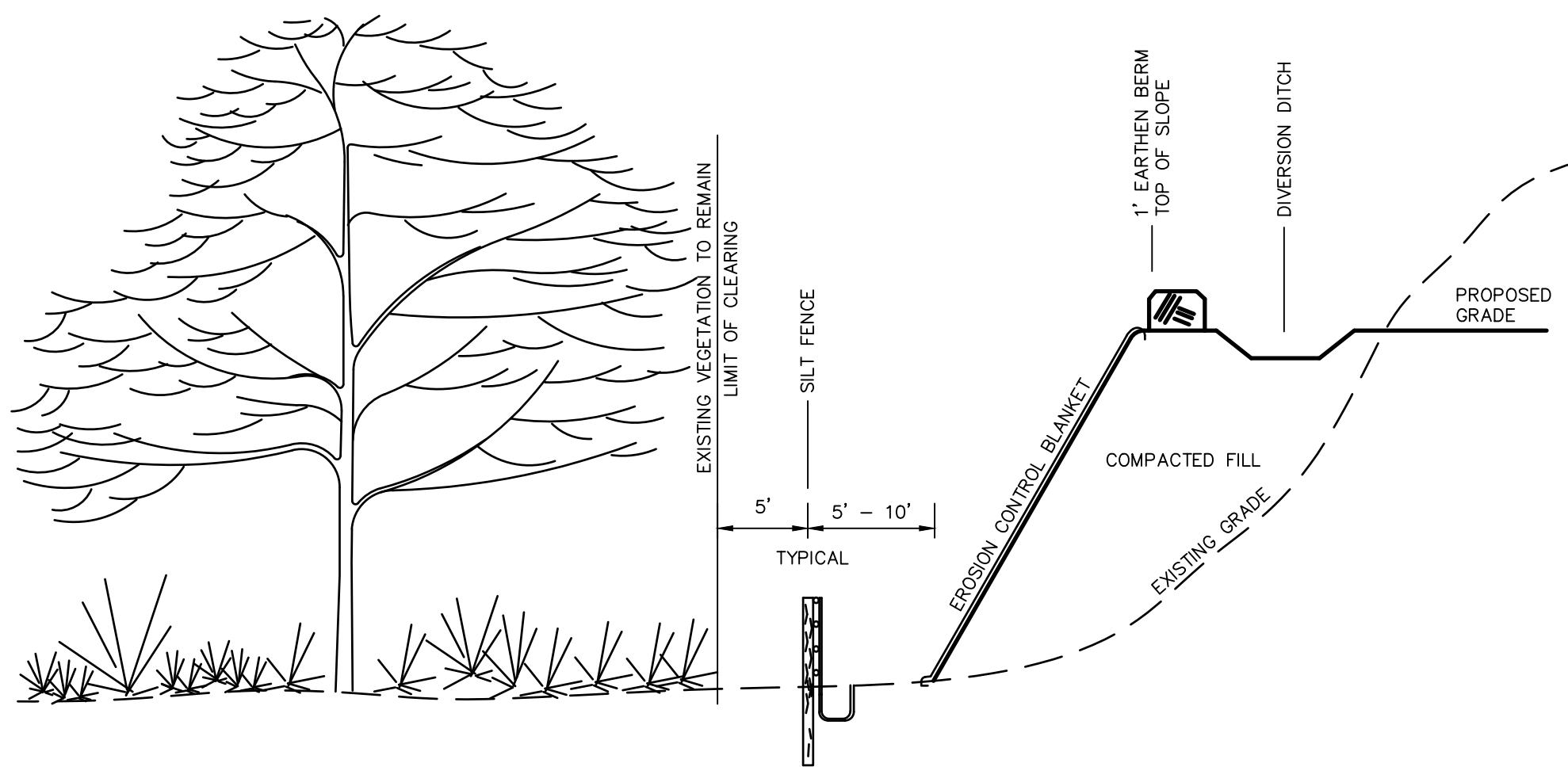
A. LAWN SEEDING MIX:
 15 % PERENNIAL RYEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 25 % FINE LEAF OR CREEPING FESCUE (BLEND OF 3 IMPROVED HYBRIDS)
 60 % KENTUCKY BLUEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 SEEDING RATE: 5 LBS/1,000 S.F.
 SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30 UNLESS
 OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.



- N.T.S

1. THE LANDSCAPE PLAN AND DETAIL SHEET ARE FOR LANDSCAPING INFORMATION ONLY. REFER TO THE OTHER PLANS FOR ALL OTHER INFORMATION.
2. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
3. THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO UTILITY LOCATIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS FOR THE REVIEW, ADJUSTMENT, AND APPROVAL BY OWNER OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.
4. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR OR JUNE 1ST OF THE YEAR FOLLOWING INSTALLATION, WHICHEVER IS LONGER, AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT THE CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR ONE FULL YEAR FROM DATE OF REPLACEMENT. REPLACEMENT PLANTS SHALL BE THE SAME AS SPECIFIED FOR THE ORIGINAL PLANTING. REPLACEMENTS SHALL BE MADE AS MANY TIMES AS NECESSARY TO ENSURE HEALTHY PLANTS. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE GUARANTEE PERIOD. DURING THE LANDSCAPE MAINTENANCE PERIOD (THE GUARANTEE) THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF ANY SITE CONSTRAINTS (PHYSICAL, ENVIRONMENT, ETC.) OR MAINTENANCE DEFICIENCIES THAT MAY AFFECT LANDSCAPE VEGETATION ESTABLISHMENT.
5. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACQUIRED BY THE CONTRACTOR AND SHIPPED TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTS HAVE BEEN GROWN IN THE PLANT HARDINESS ZONE FOR A MINIMUM OF TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.
6. PLANTS SHALL HAVE TAGS THAT IDENTIFY PLANT GENUS, SPECIES, CULTIVAR (IF APPLICABLE), PLANT COMMON NAME, NAME OF SOURCE NURSERY, AND SIZE OF PLANT FOR REVIEW OF OWNER OR LANDSCAPE ARCHITECT.
7. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT.
8. FINAL GRADES SHALL BLEND SMOOTHLY WITH EXISTING GRADES, AND TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED.
9. ALL TREE AND SHRUB MASSINGS SHALL BE MULCHED TO A DEPTH OF 3". ANNUAL AND PERENNIAL BEDS SHALL BE MULCHED TO A DEPTH OF 2". MULCH SHALL BE UNCOLORED TRIPLE-SHREDED HARDWOOD BARK MULCH, AGED AT LEAST 6 MONTHS.
10. IF TREE STAKING IS PROPOSED, TREE STAKING MUST BE COMPLETED THE SAME DAY AS THE TREE IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL.
11. LANDSCAPE PLANTING AREAS MUST BE FREE DRAINING, PAVEMENT, COMPACTED SUBGRADE, DEAD OR DYING PLANT MATERIAL, BLASTED ROCK, STONES GREATER THAN 1" IN DIAMETER, AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT SHALL BE REMOVED FROM AREAS TO BE LANDSCAPED AS REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS.

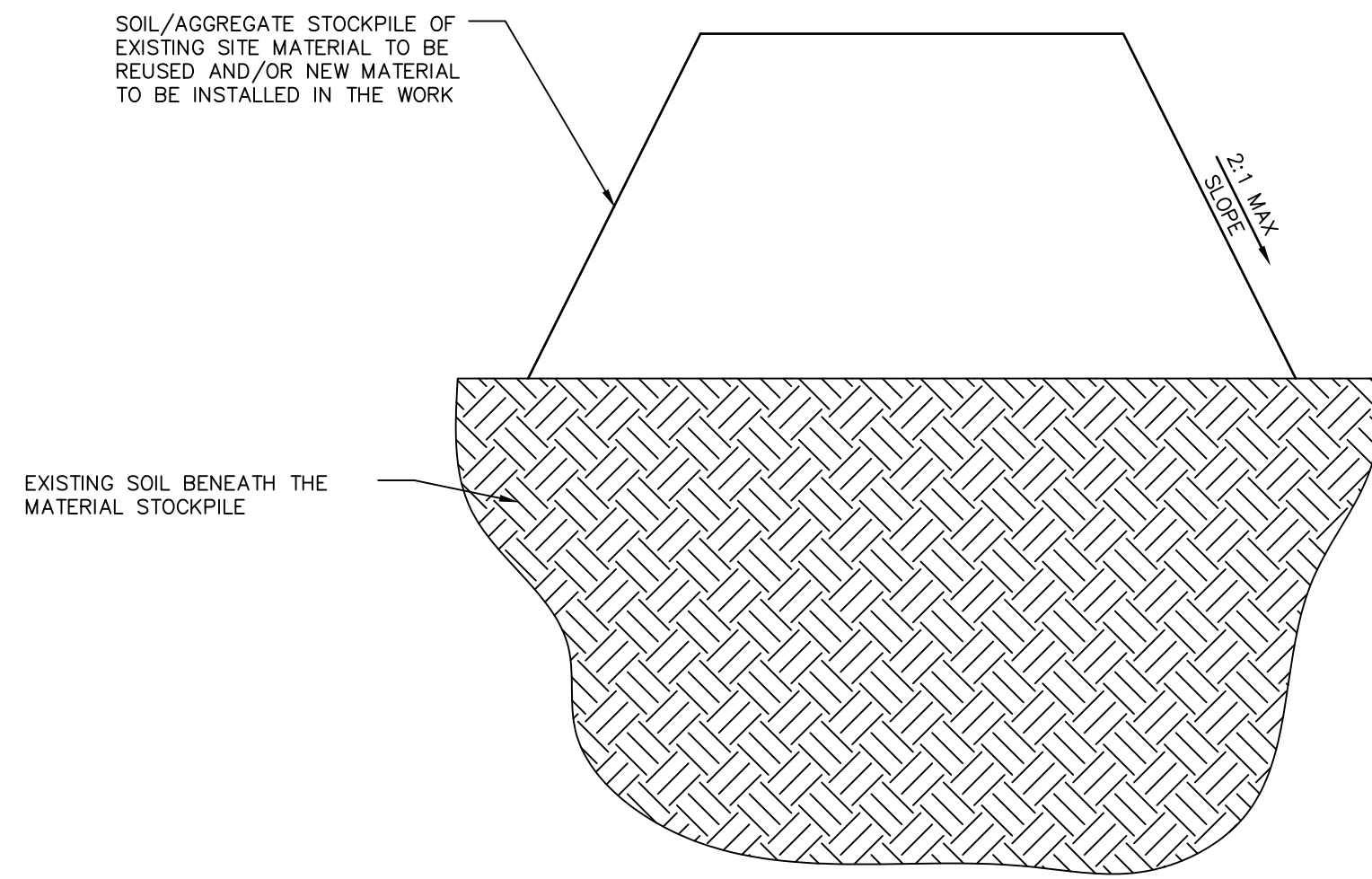
19. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDED WITH THE LAWN SEED MIX.



TYPICAL EROSION CONTROL ON SLOPES

N.T.S.

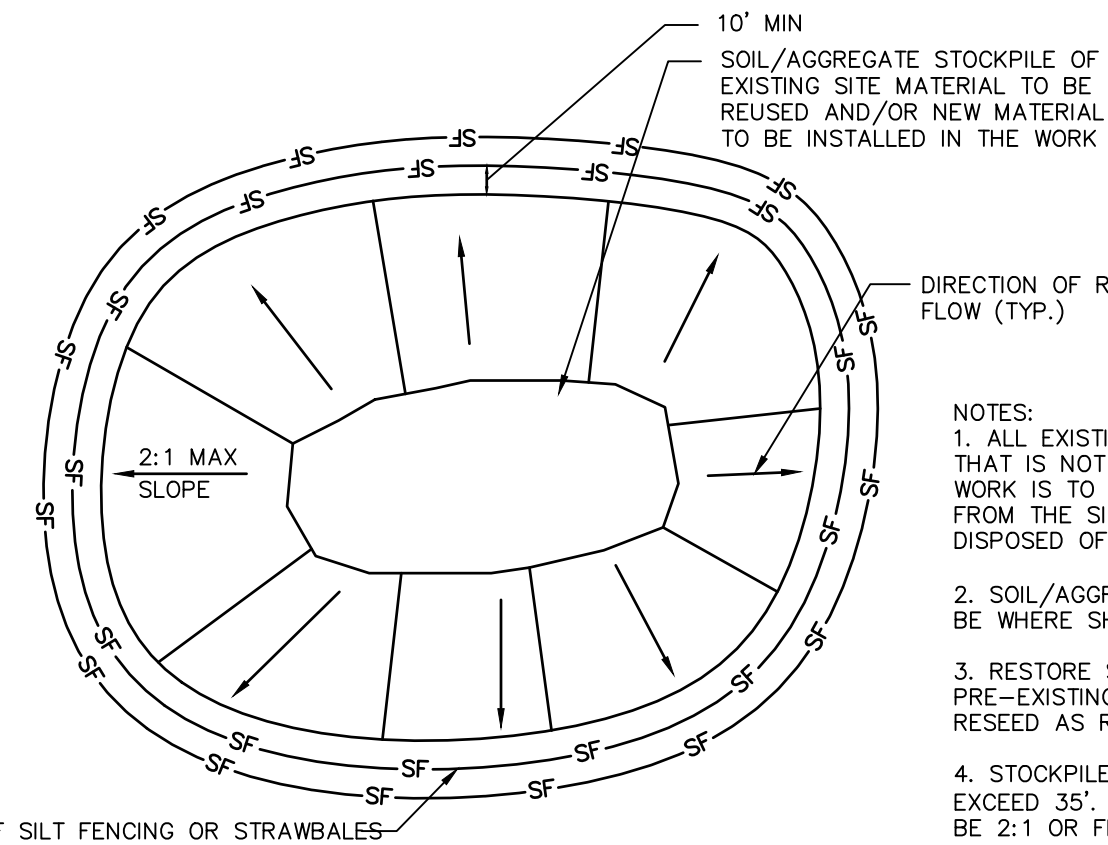
BLEC-011



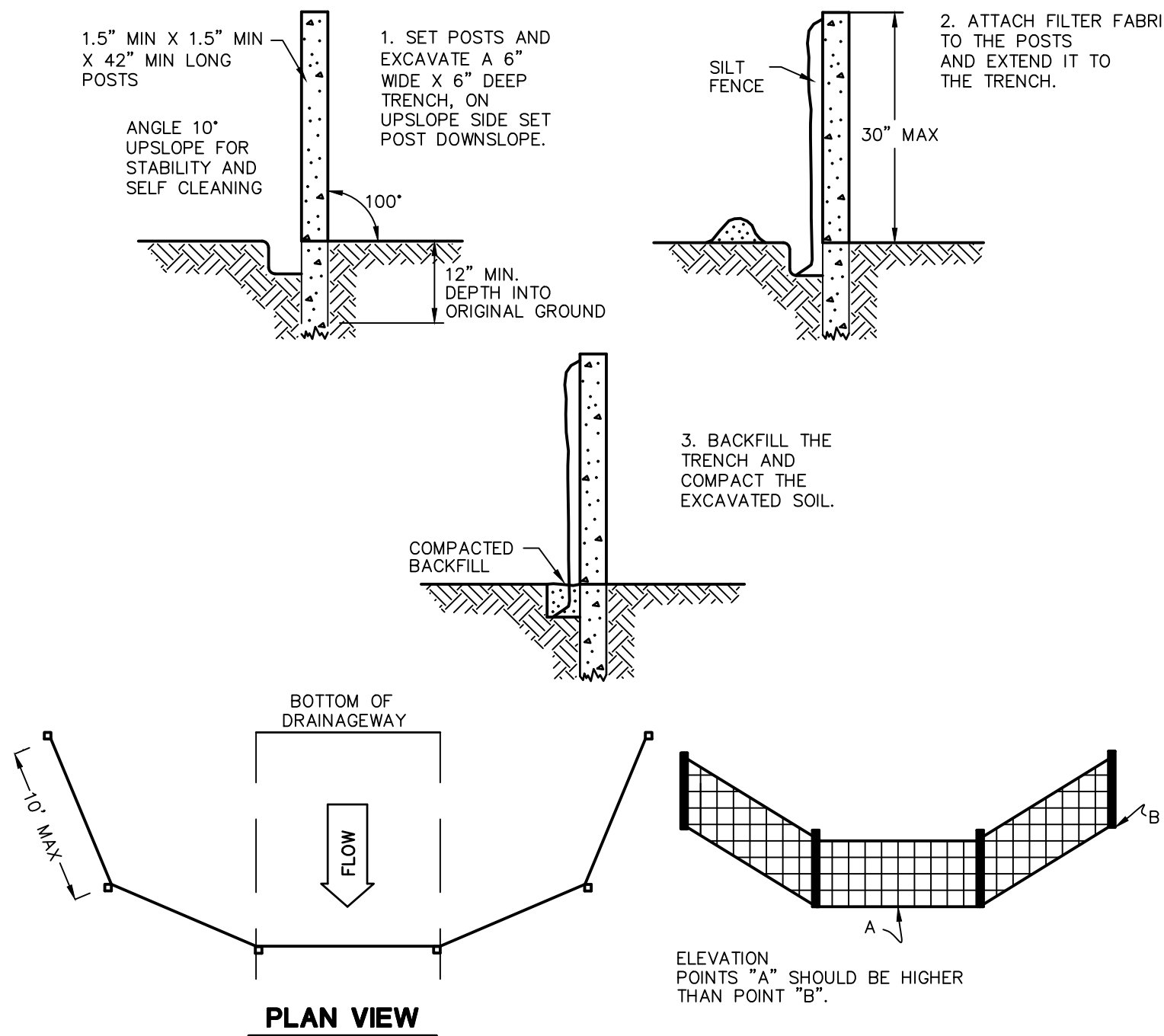
MATERIALS STOCKPILE DETAIL

N.T.S.

BLEC-006



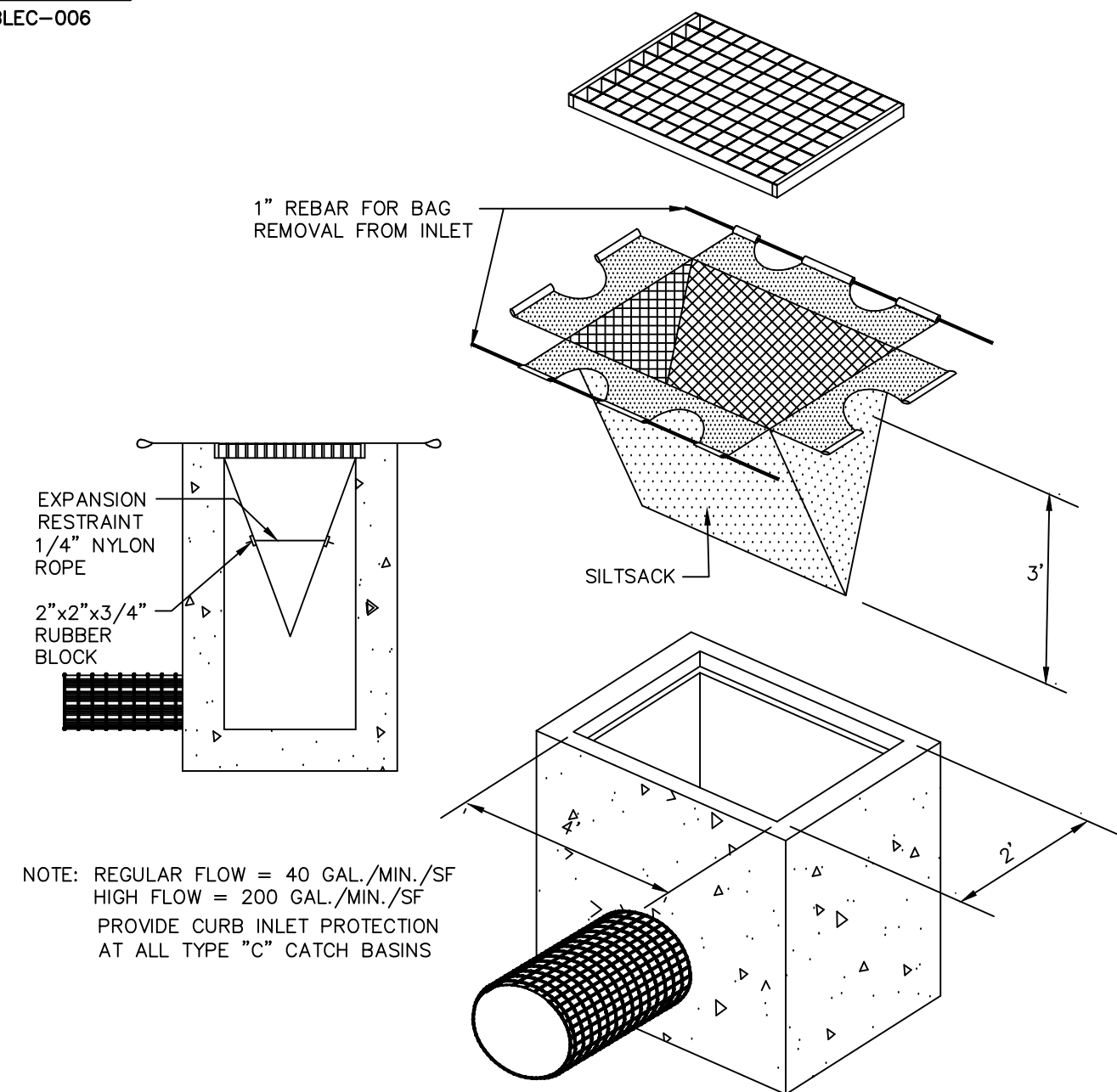
- NOTES:
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
 2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.
 3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
 4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.



SILT FENCE BARRIER

N.T.S.

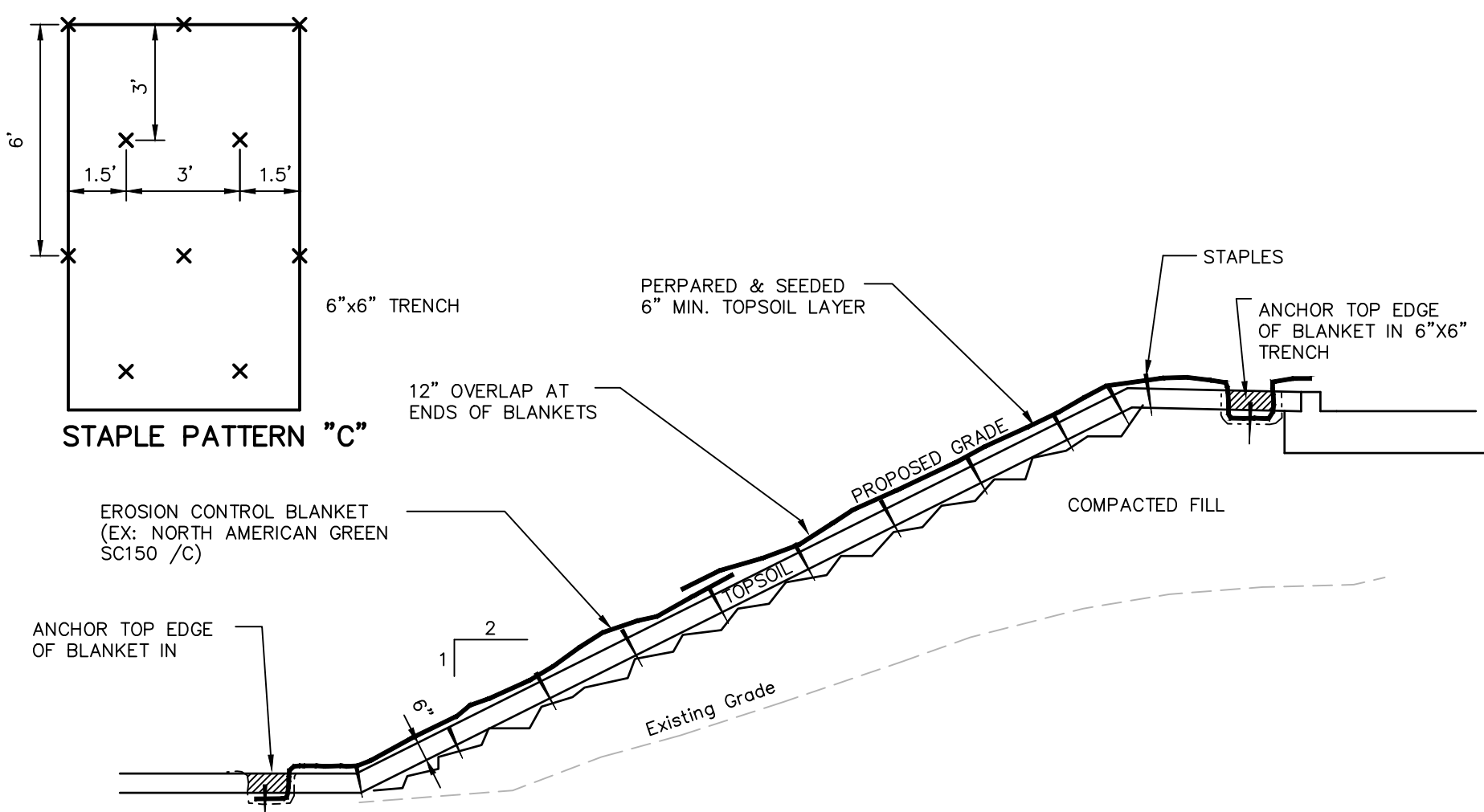
CTEC-003



SILTSACK DETAIL

N.T.S.

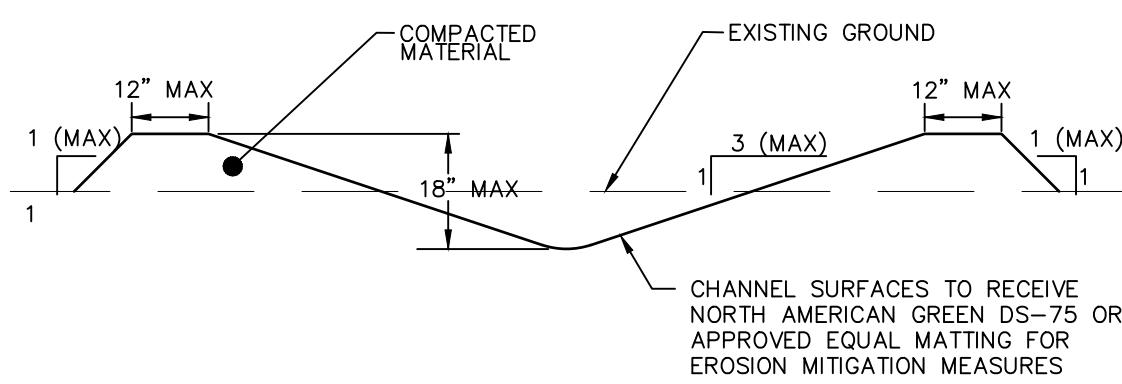
BLEC-005



EROSION CONTROL BLANKET ON FILL SLOPE

N.T.S.

BLEC-009



NON-ENGINEERED TEMPORARY DIVERSION DITCH DETAIL

N.T.S.

Temporary Sediment Trap Sizing

From the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control:

Temporary sediment traps shall be provided with 134 CY of storage volume per acre of drainage area, half of which shall be provided as wet storage volume (Vw) and the remaining half shall be dry storage volume (Vd) as described below:

Figure TST-1 Formula for Figuring Temporary Sediment Trap Storage Requirements

Wet storage volume may be approximated as follows:

$$V_w = 0.85 \times A_w \times D_w$$

where,

V_w = the wet storage volume in cubic feet

A_w = the surface area of the flooded area at the base of the stone outlet in square feet

D_w = the maximum depth in feet, measured from the low point in the trap to the base of the stone outlet.

Dry storage volume may be approximated as follows:

$$V_d = \frac{(A_w + A_d)}{2} \times D_d$$

where,

V_d = the dry storage volume

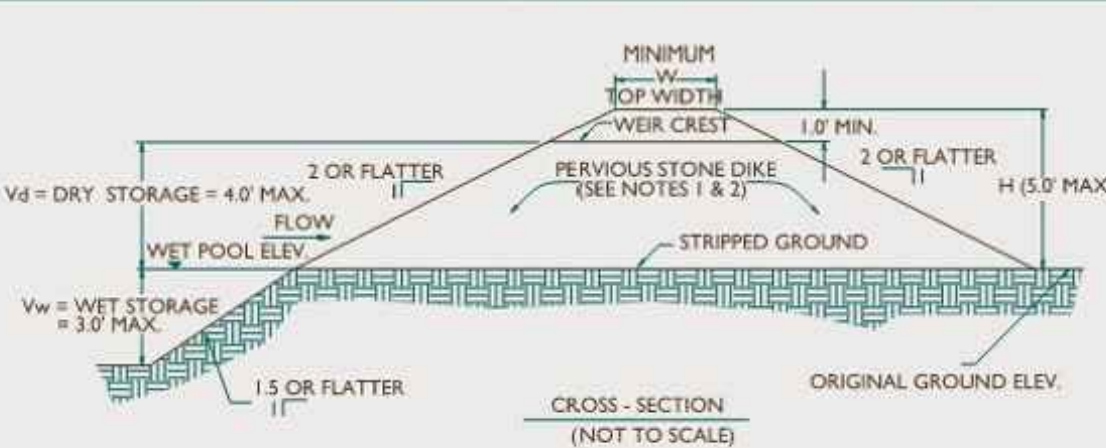
A_w = the surface area of the flooded area at the base of the stone outlet in square feet.

A_d = the surface area of the flooded area at the top of the stone outlet (over flow mechanism), in square feet

D_d = the depth in feet, measured from the base of the stone outlet to the top of the stone outlet

Note: Conversion between cubic feet and cubic yards is: cubic feet x 0.037 = cubic yards.

Figure TST-2 Minimum Top Width (w) Required for Temporary Sediment Trap Embankments According to Height of Embankment (feet)



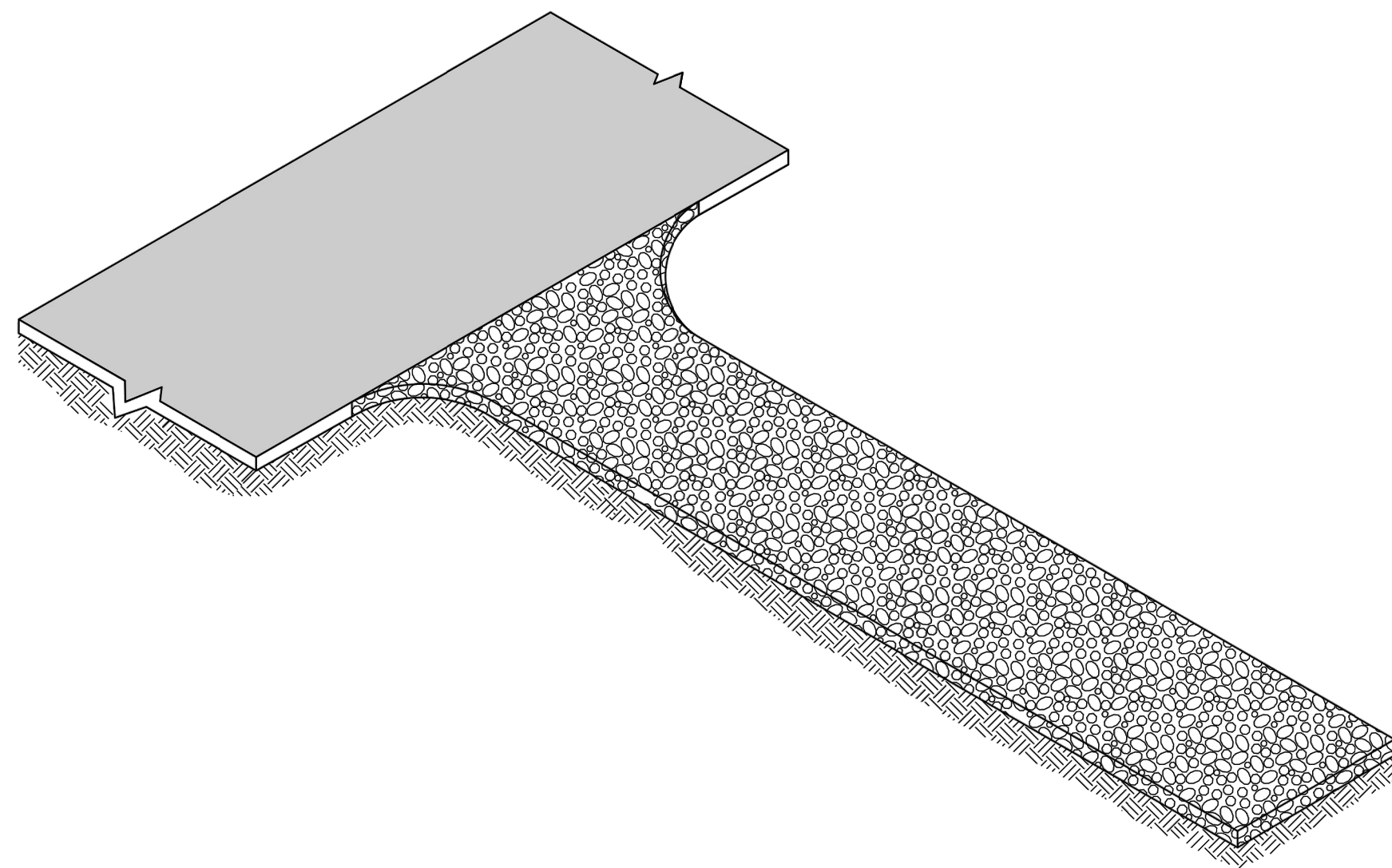
TOP WIDTH VS. HEIGHT

H = HEIGHT OF EMBANKMENT
W = TOP WIDTH OF EMBANKMENT

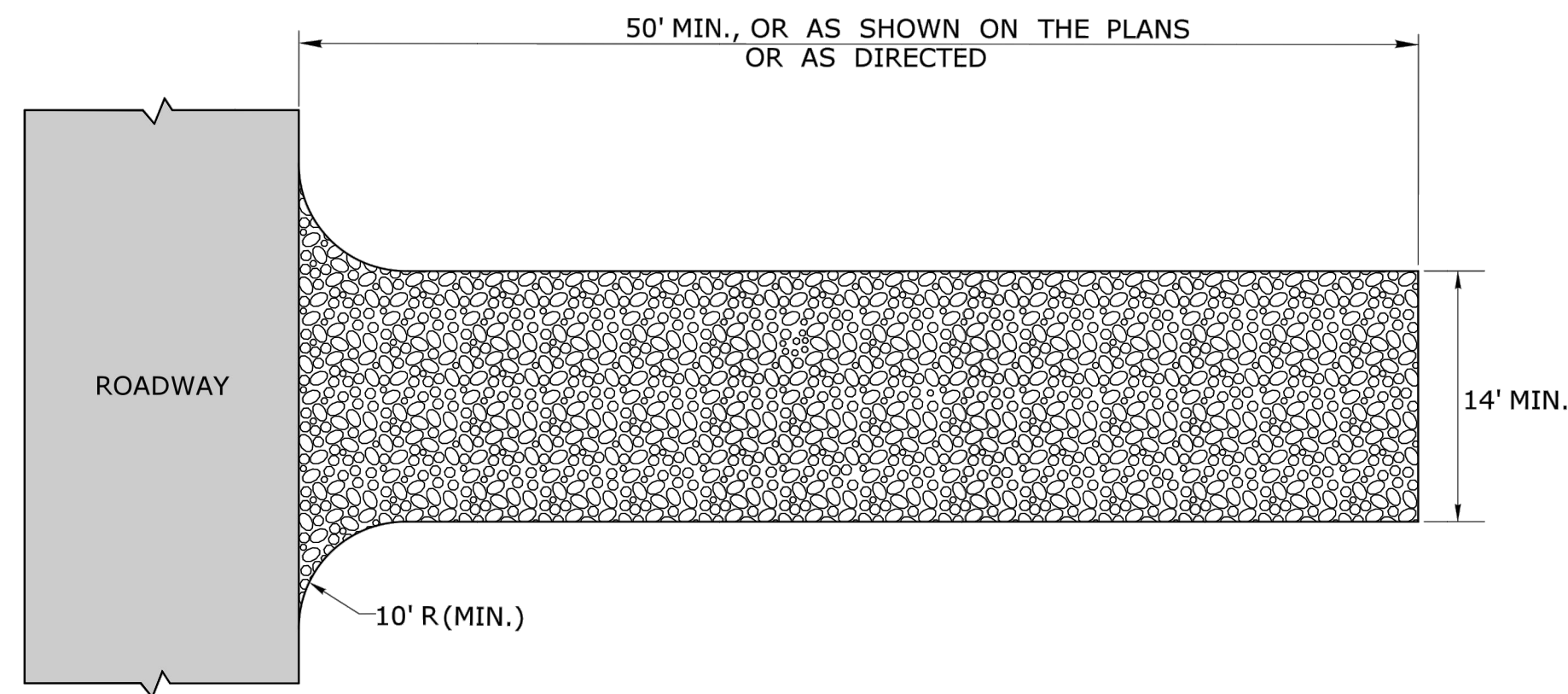
H (ft)	W (ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

1. PERVIOUS STONE DIKE SHALL BE CONSTRUCTED OF CT DOT MODIFIED RIPRAP WITH #3 STONE ON FACE.
2. NON-OVERFLOW PORTIONS AND ABUTMENTS OF TEMPORARY SEDIMENT TRAPS MAY BE CONSTRUCTED OF COMPACTED EARTH/ILL.

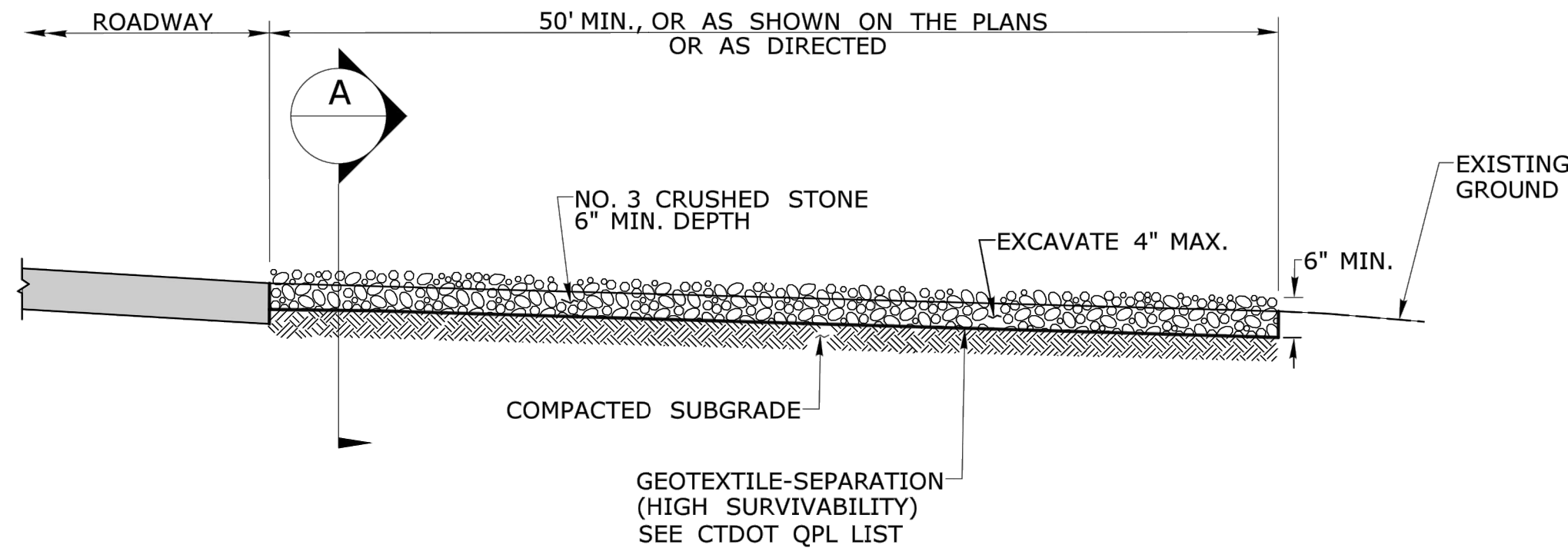
Trap #	Drainage Area (DA)		Total Storage Volume Required	Wet Storage Required (Vw)	Dry Storage Required (Vd)	Surface area of flooded volume (Aw)	Depth of flooded volume (Dw)	Surface area of flooded volume at outlet (Ad)	Depth from outlet to top of flooded volume (Dd)	Wet Storage Provided (Vw)	Dry Storage Provided (Vd)	Total Storage Volume Provided	Bottom Elevation	Top of flooded volume elevation	Outlet Elevation
	ft ²	ac	CY	CY	CY	ft ²	ft	ft ²	ft	CY	CY	CY	ft	ft	ft
1	70,100	1.609	216	108	108	1150	3	1790	2.0	108	108	216	289	292	294



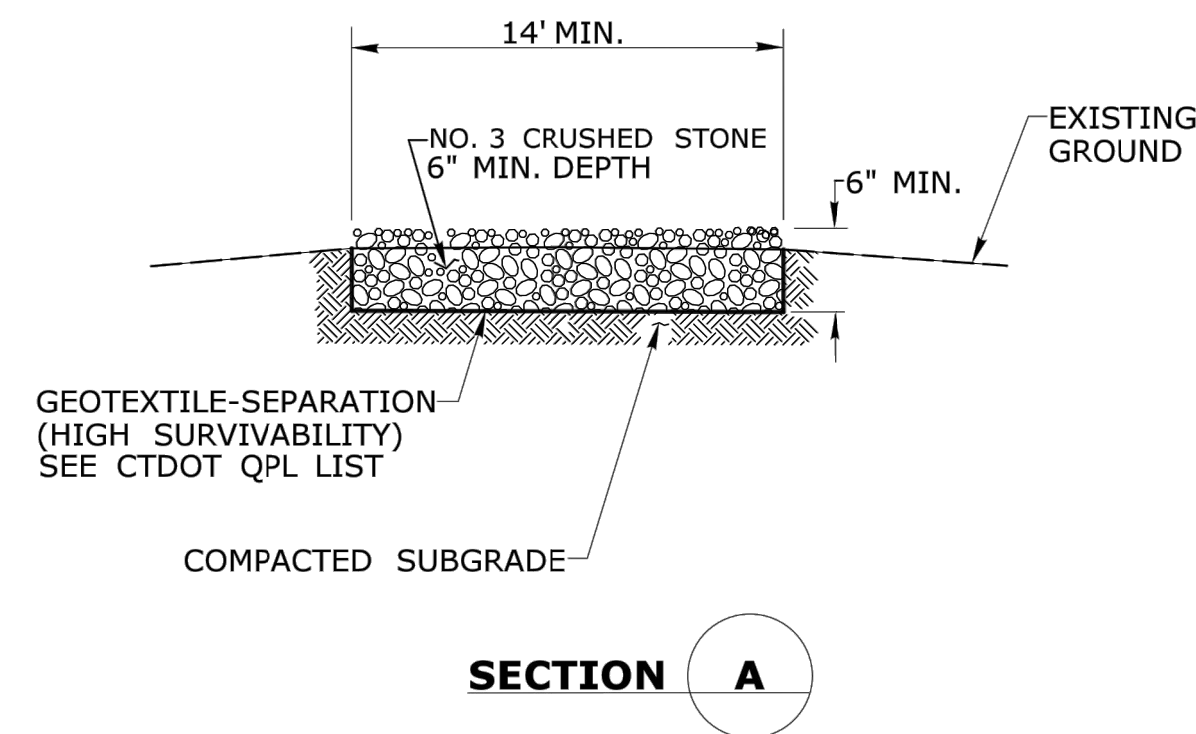
ANTI-TRACKING PAD



PLAN



ELEVATION



SECTION A

GENERAL NOTE:

1. THE LENGTH OF THE ANTI-TRACKING PAD SHALL BE INCREASED AS DIRECTED FOR SITES COMPOSED OF CLAY OR SILTS.

PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS
Desc.
1. REVISED PER HEALTH DISTRICT COMMENTS
2. REVISED PER TOWN ENGINEER COMMENTS
3. REVISED PER CTDOT COMMENTS

Date
12/10/2021
01/28/2022
No.
1.
2.
3.

Designed S.E.L.
Drawn S.E.L.
Reviewed K.M.M.
Scale NONE
Project No. 2101726
Date 11/18/2021
CAD File: DN210172601

Title
DETAILS SHEET

Sheet No.

DN-2
Sheet 20 of 32



- | | | | | | |
|---|---|---|--|---|------------------------------|
| 1 | N/A | 4 | COMPRESSIBLE FILLER
(3/4" MAXIMUM). | 5 | 1/4" TOOLED JOINT |
| 2 | 6" PROCESSED
AGGREGATE
BASE COURSE
CTDOT M.05.01 | | CUT BACK AND
PROVIDE SEALANT,
TYPICAL, AT ALL
JOINTS WITH FILLER. | 6 | 6" X 6"
W2.1 X 2.1 W.W.F. |
| 3 | PAVEMENT. | | | | |

NOTE: EXPANSION JOINT
20' O.C. MAXIMUM. 1/4"
TOOL JOINT 5' O.C. OR
AS DIRECTED. CONCRETE
TO BE 4,000 P.S.I.

N.T.S.

WAC



- PREPARED SUBGRADE COMPACTED TO 95%
MAX DRY DENSITY PER ASTM D1557

N.T.S.

BLSR-001



CONFIRM SIZE WITH ELECTRIC COMPANY
PRIOR TO CONSTRUCTION



N.T.S.

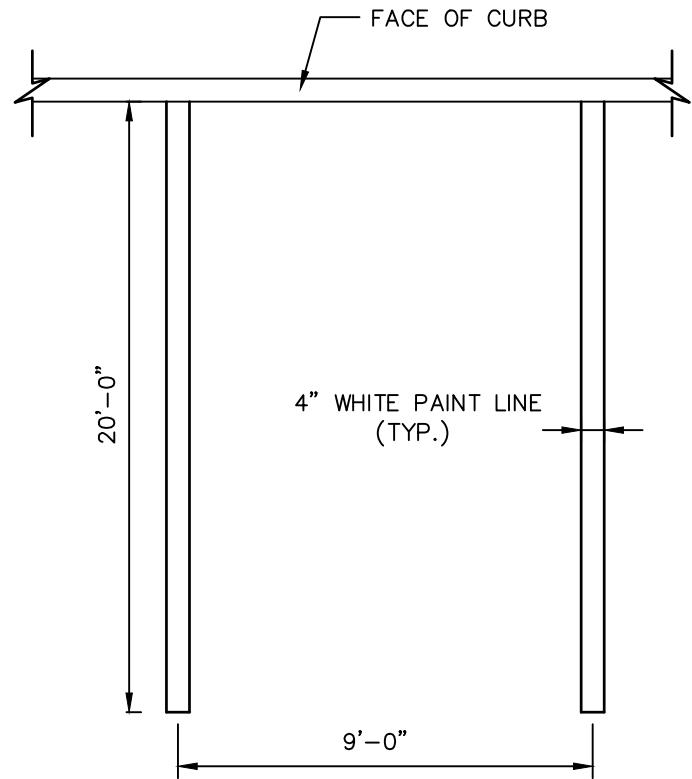
BLPC-002



100 Constitution Plaza, 10th Floor
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax

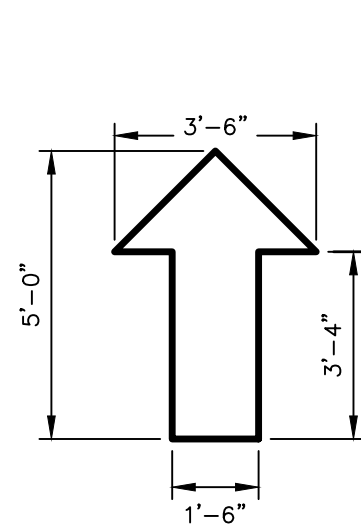


Sheet 21 of 32



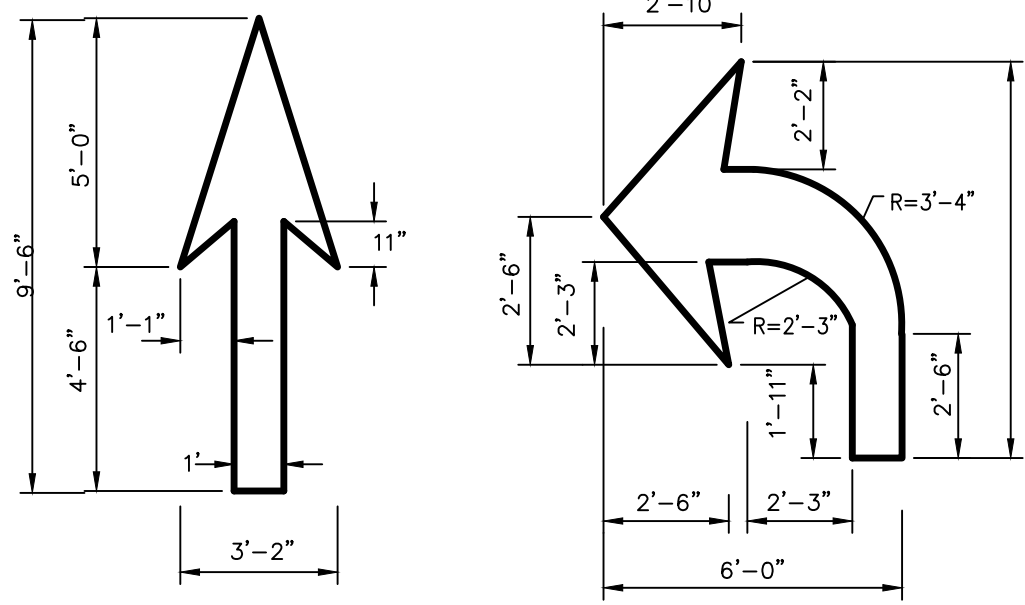
NOTE:
1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.
2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

TYPICAL PARKING SPACE DETAIL
N.T.S. BLPC-003



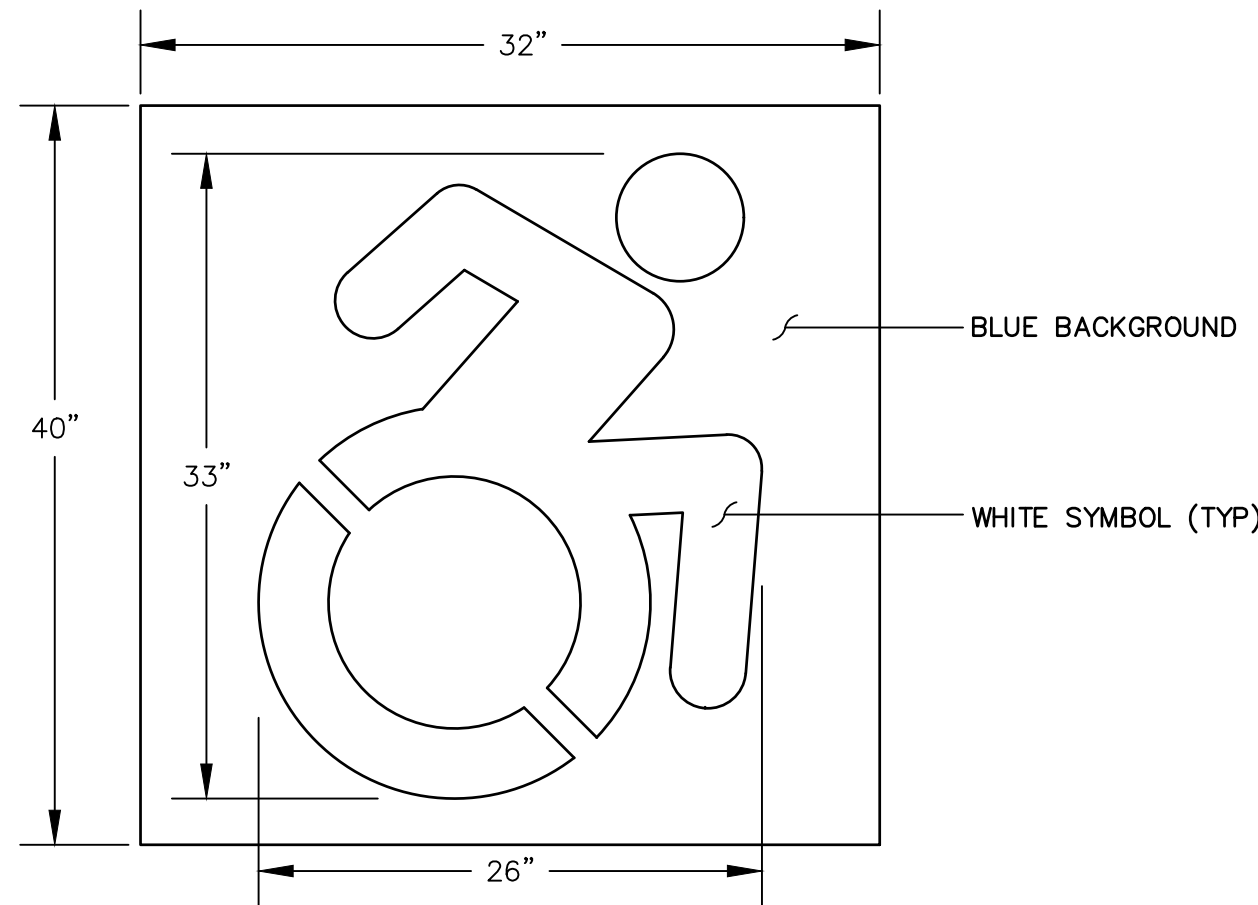
NOTES:
1. WHITE (ARROWS TO BE CENTERED IN TRAVEL LANE)

PAINTED TRAFFIC ARROW DETAILS
N.T.S.



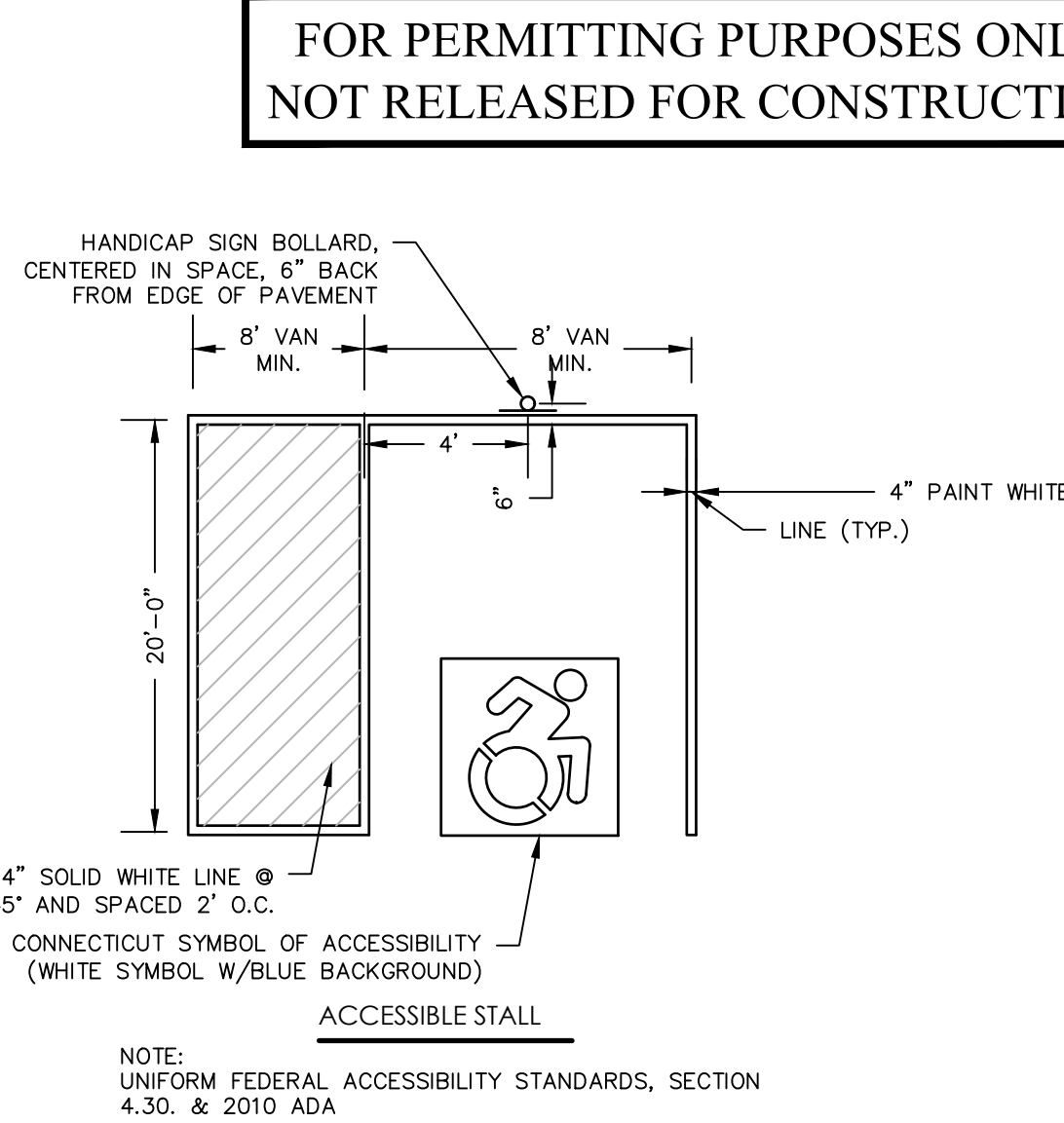
12.5 S.F. 15.5 S.F.

BLPC-006

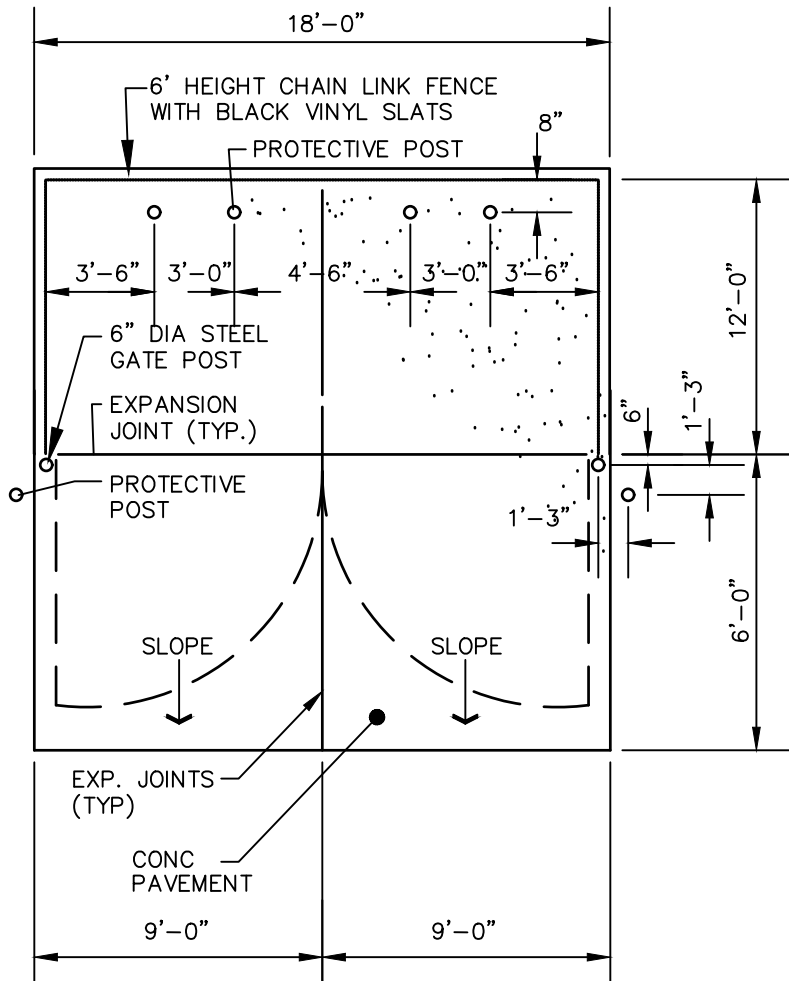


NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

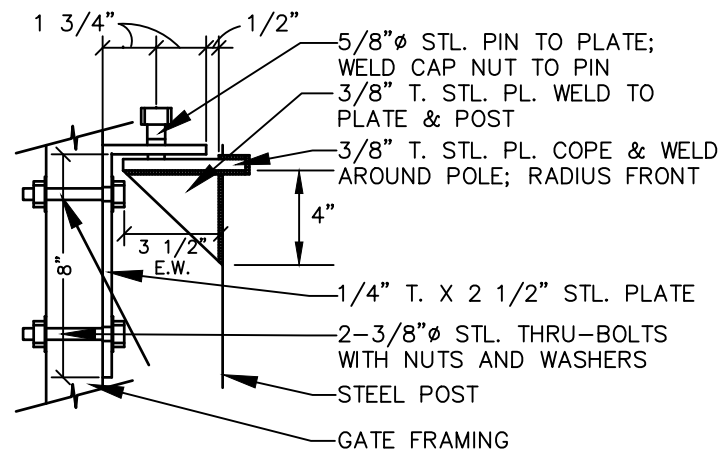
CONNECTICUT SYMBOL OF ACCESSIBILITY
N.T.S.



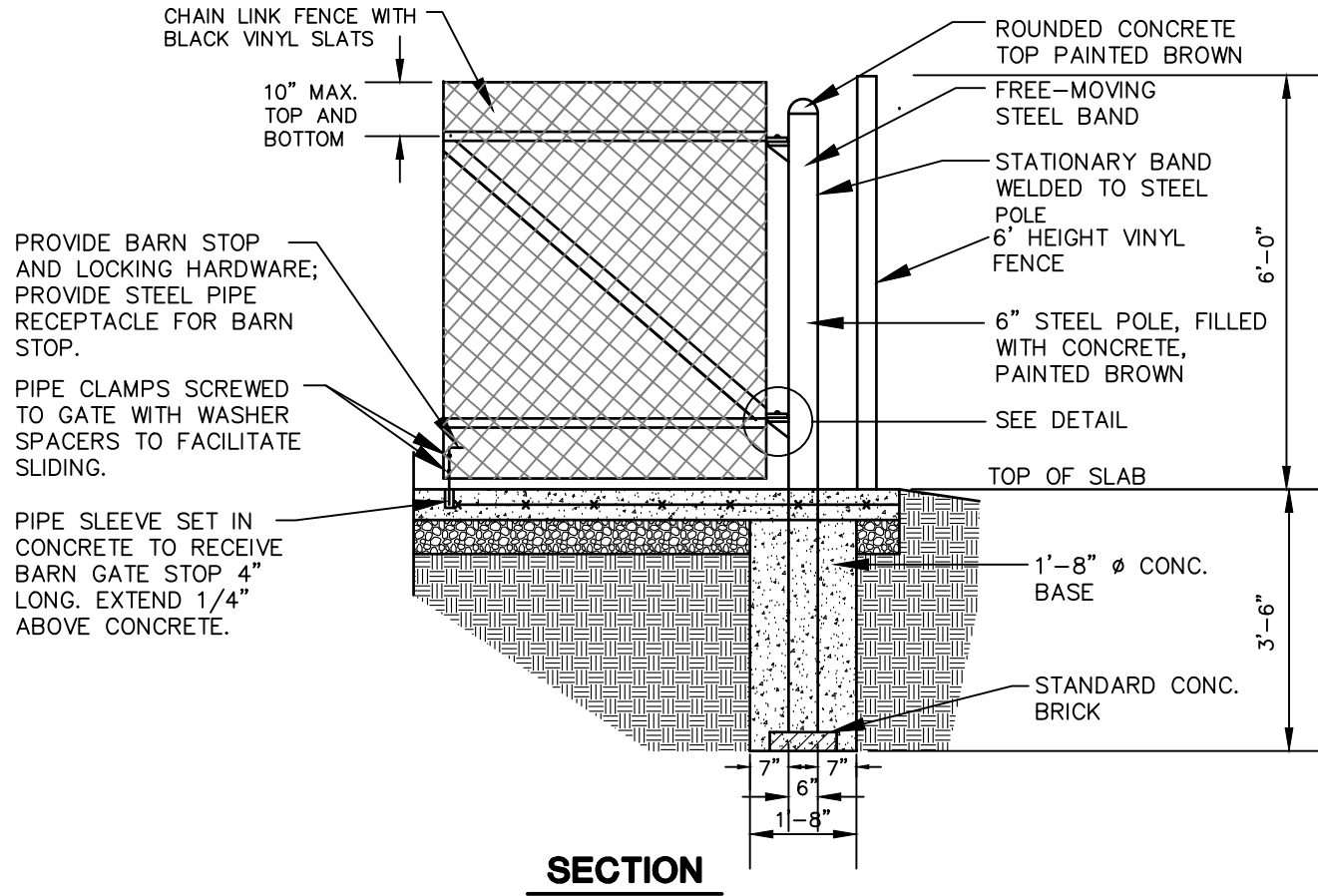
TYPICAL HANDICAP PARKING STALL LAYOUT
N.T.S.



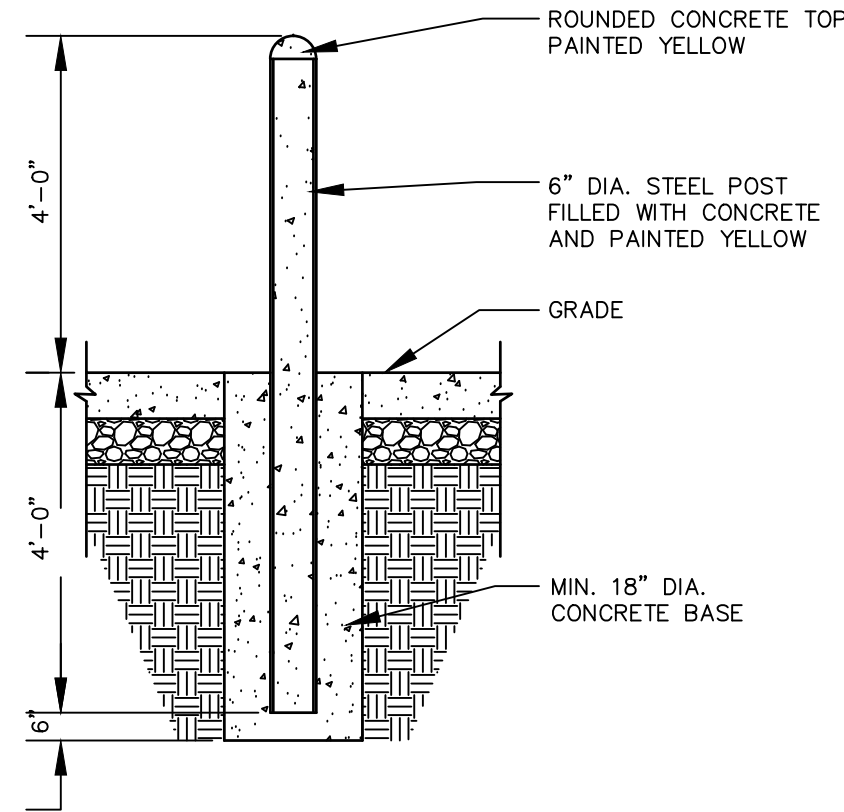
TRASH ENCLOSURE PLAN
N.T.S. BLSE-004



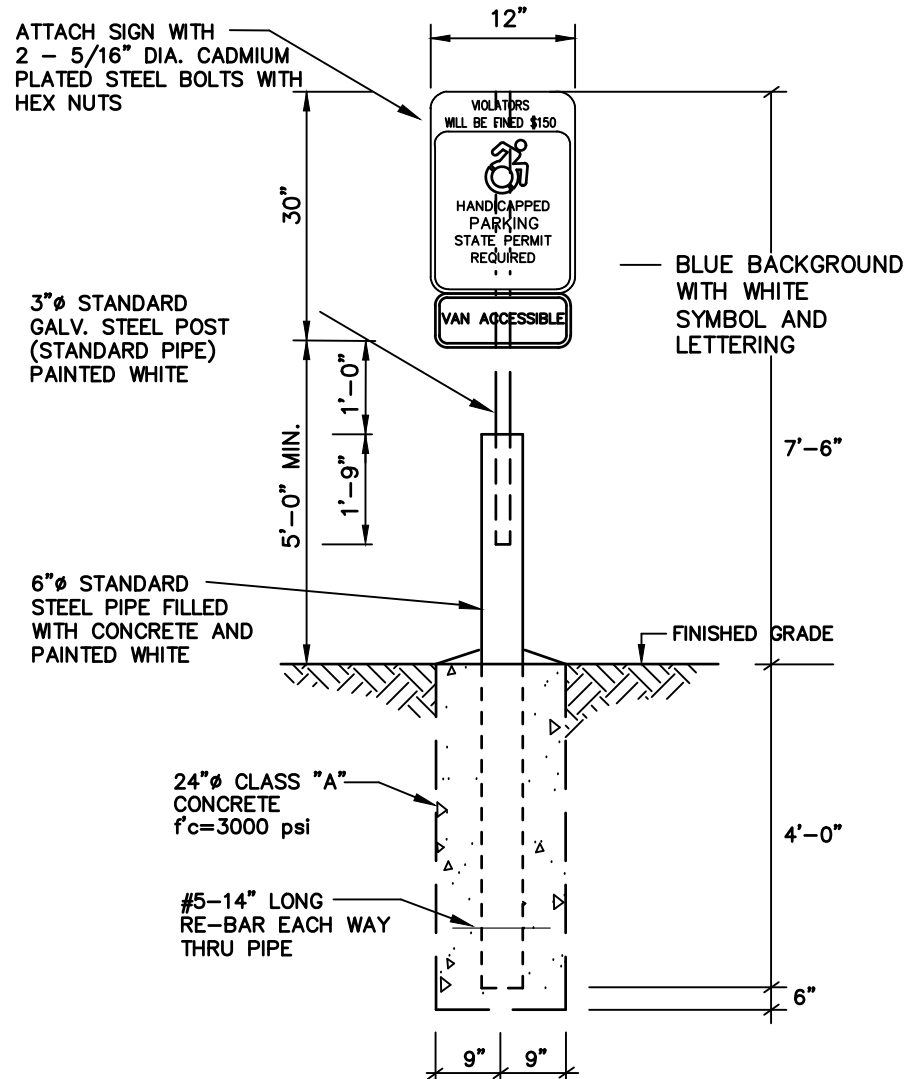
TRASH ENCLOSURE GATE (HALF SECTION)
N.T.S. BLSE-001



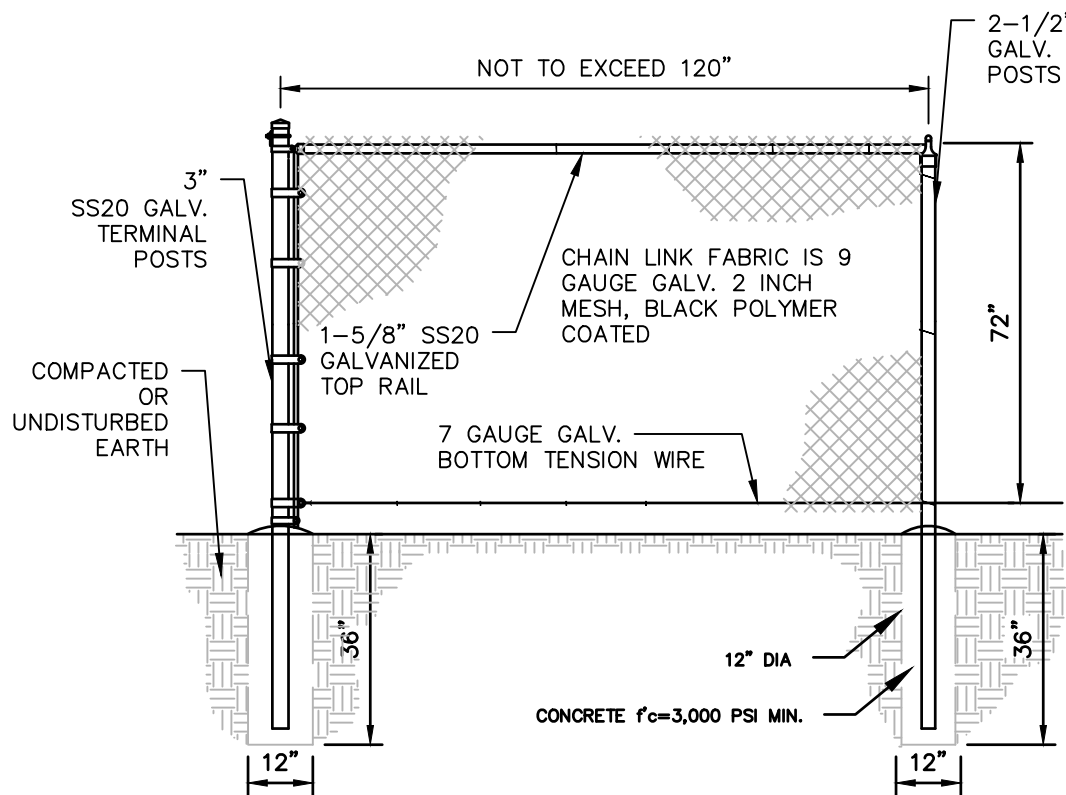
TRASH ENCLOSURE CHAIN LINK FENCE GATE
N.T.S. BLFD-001



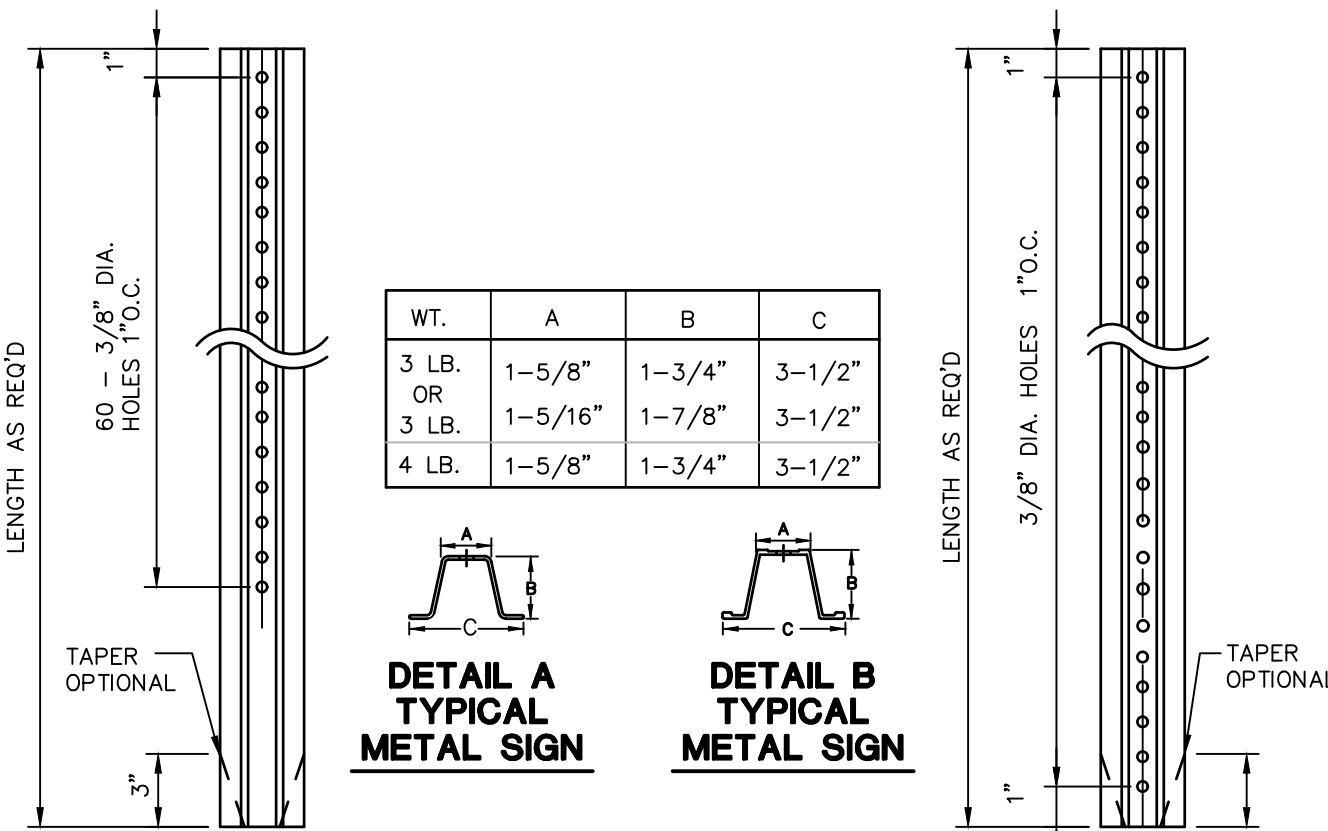
6" CONCRETE FILLED STEEL BOLLARD
N.T.S. BLSE-005



HANDICAP SIGN BOLLARD DETAIL
N.T.S.



6' HIGH BLACK VINYL COATED CHAIN LINK FENCE
N.T.S.

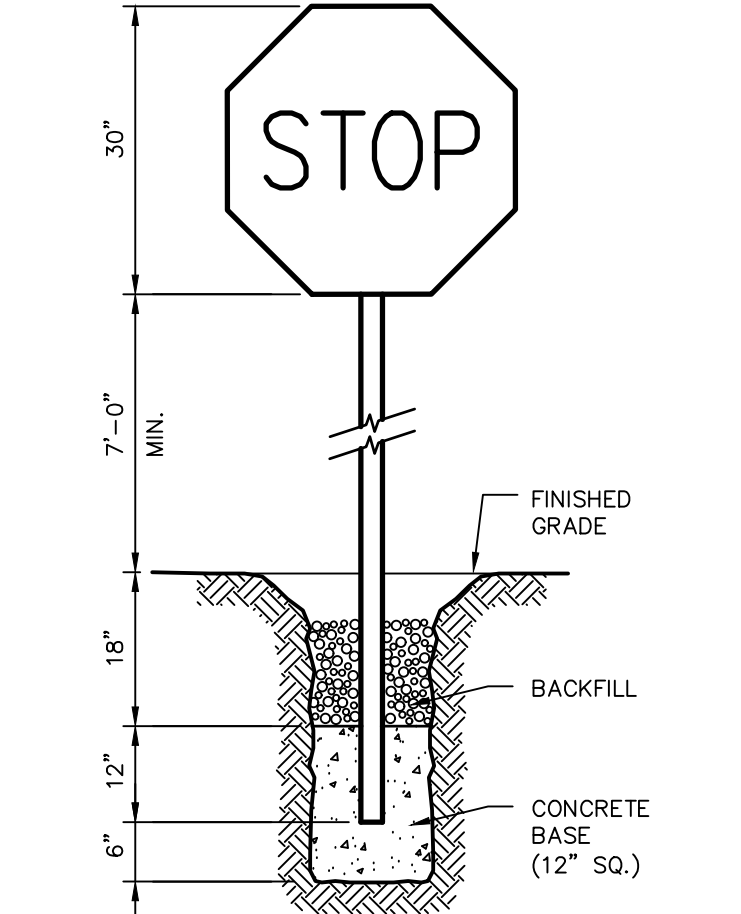


DETAIL A HOLE LOCATION

DETAIL B HOLE LOCATION

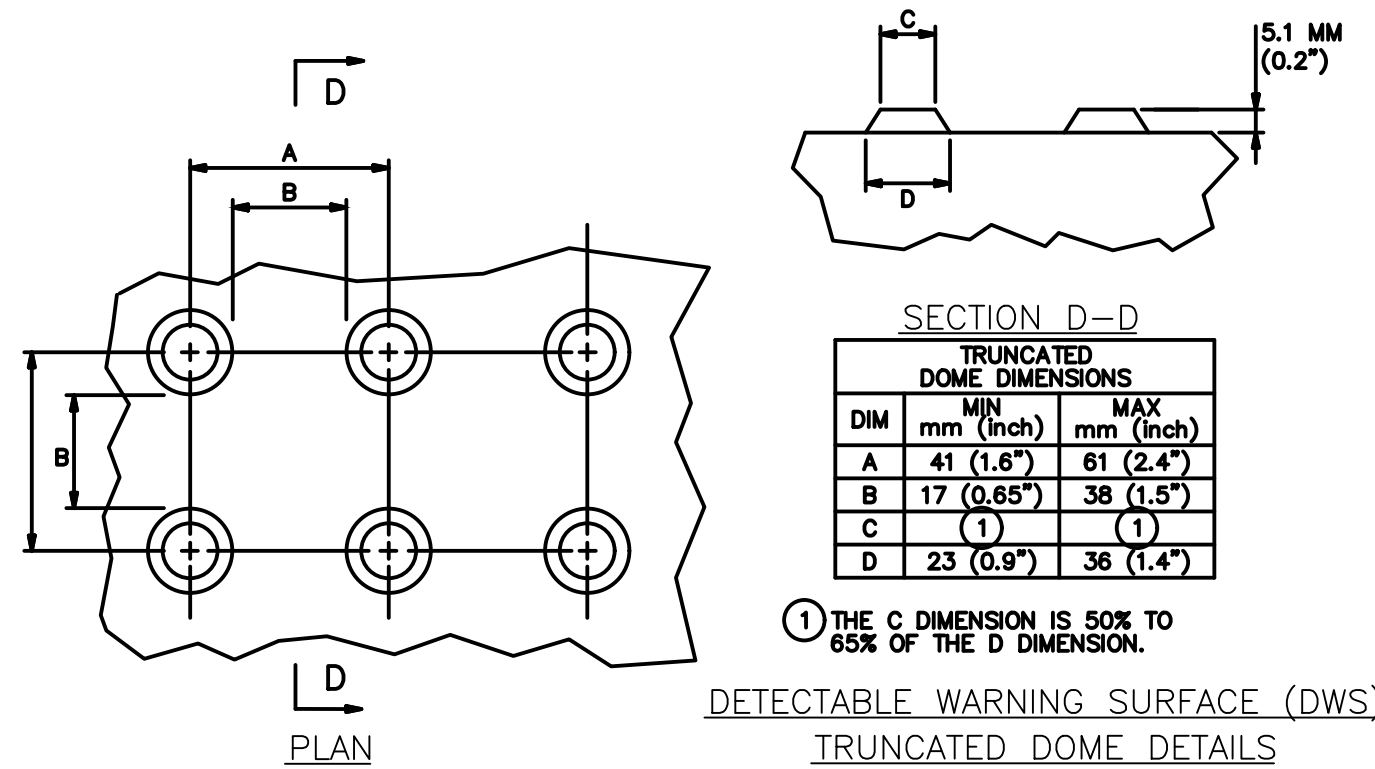
NOTES:
STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 91 LBS OR GREATER PER LINEAR YARD.
AFTER FABRICATION ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A-123.
SIGN MOUNTING HEIGHT TO BE APPROVED BY THE ENGINEER.
ALL SIGNS IN STATE ROW TO MEET CTDOT SPECIFICATIONS FOR BREAKAWAY SIGNS. SEE CTDOT STANDARD DETAIL SHEET TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS AND CTDOT FORM 817.

TYPICAL METAL SIGN POSTS
N.T.S. BLSD-001



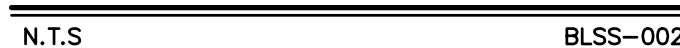
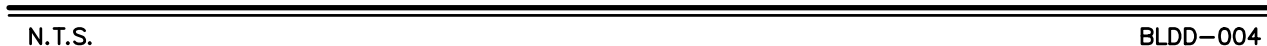
NOTE: CONSTRUCT SIGN IN ACCORDANCE WITH DOT SPECIFICATIONS.

STOP SIGN
N.T.S. BLSD-002




1. ALIGN DETECTABLE WARNING DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN THE DOMES.
2. PROVIDE DETECTABLE WARNING SURFACES THAT CONTRAST (70%) IN LIGHT REFLECTANCE WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT OR SAFETY YELLOW.

DETECTABLE TRUNCATED DOME DETECTABLE WARNING SURFACE (DWS) AND X-SECT.
N.T.S.



2/10/2022, 12:16:14 PM, C:\Users\BEN\OneDrive\Documents\2022\01\2022\DWG\DWG-6-242406



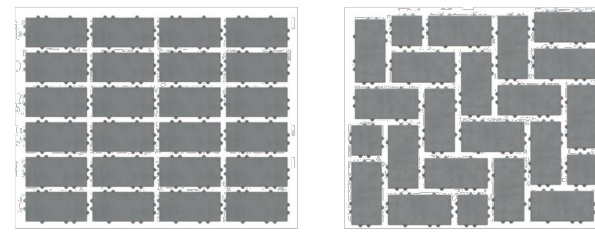
**Aqualine™ 6" x 12"**
Permeable Paver

Aqualine 6" x 12" is a paver featuring not only the environmentally friendly benefits of a permeable paver, but also high visual appeal, low maintenance, and proven durability. Aqualine's versatile pattern range allows for flexible design options, making it an excellent choice for machine or hand installed plazas, sidewalks, parking lots, alley ways and roadways.

- Benefits of Aqualine™ 6" x 12":**
Belgard's Aqualine permeable pavement systems can eliminate stormwater runoff and improve water quality
- Interlocking spacer bars for increased structural performance
 - Smooth surface texture with a micro-chamfer to minimize vibration and enhance wheelchair comfort
 - Can be utilized to construct an ADA-compliant pavement
 - True installed dimensions for design optimization
 - Optimal joint openings for infiltration and maintenance
 - Meet the requirements of ASTM D936

- Benefits by the numbers:**
- Chamfer Width: 3 mm
 - Spacer Bar Width: 10 mm
 - Surface Infiltration Rate: > 500 inches per hour
(varies based on joint width/grate)
 - Surface Open Area: 9%

Pallet Layers:



Belgard permeable pavers can be used for a variety of different vehicular applications. Appropriate shape and thickness is based on project specific conditions, including type of loading, base design, and subgrade conditions. It is recommended that you consult a Belgard Representative when specifying products for vehicular applications.

**Belgard**

Didcastle® Architectural
Three Glenlake Pkwy
Atlanta, GA 30328
877-235-4273

For more info visit: Belgardcommercial.com

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[instagram.com/belgardarch](#)
[youtube.com/belgardarchitectural](#)

Aqualine™ 6" x 12"

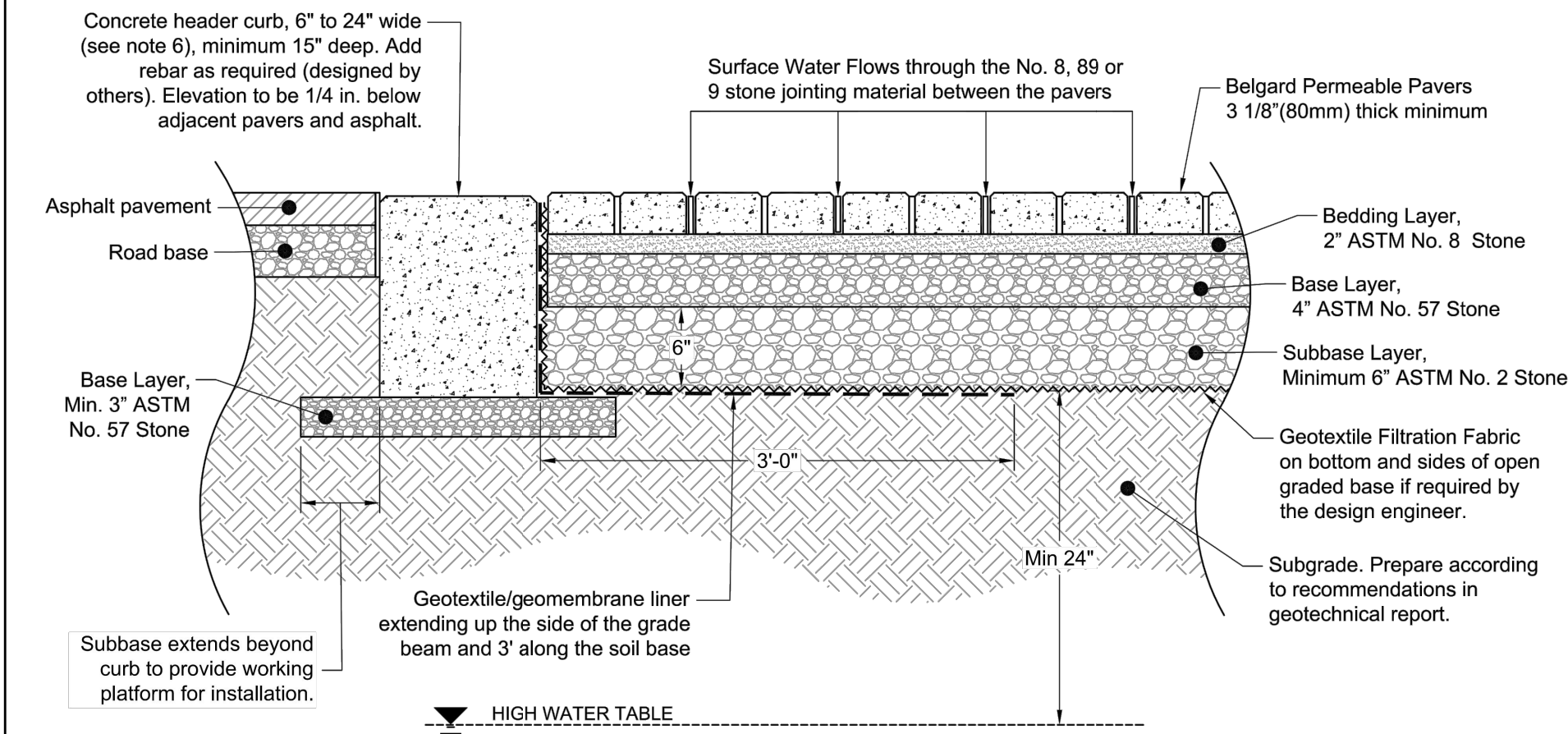
Approximate Dimensions

Paver
6" x 12"
Available Thickness:
3 1/8" (80 mm)
4" (101.6 mm)

* Check availability with your local Belgard Sales Representative

Half Paver**
6" x 6"

** When available in a Herringbone pallet configuration



Design Notes:

1. Depth of subbase subject to site specific hydraulic and structural requirements. Contact Belgard Commercial for design assistance.
2. Paver dimensions subject to aspect and plan ratio requirements based on traffic loading, including any maintenance and/or emergency vehicles.
3. Geotechnical engineer needs to balance structural stability and soil infiltration when recommending subgrade conditions.
4. Elevation of horizontal discharge pipe(s) subject to storage reservoir requirements. Ensure proper cover over the horizontal pipes.
5. Where the filtration geotextile is used, verify with the manufacturer that the material is not subject to clogging and meets requirements of AASHTO M-288.
6. When traffic flow is perpendicular to the direction of the header, the width of the header curb should be sufficient to ensure that a bouncing tire caused by differential settlement will land on the header and not skip over it.
7. Strictly pedestrian applications may substitute base/subbase layers with one 6" base layer of ASTM No. 57 stone.



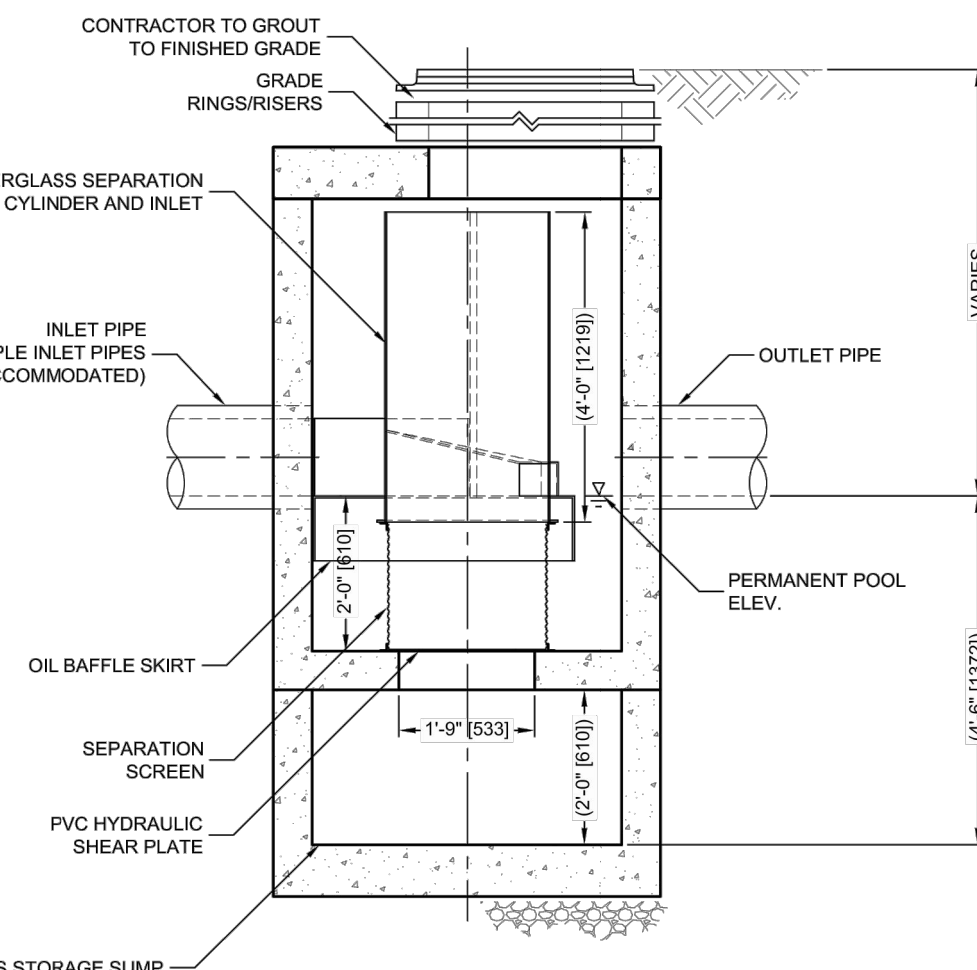
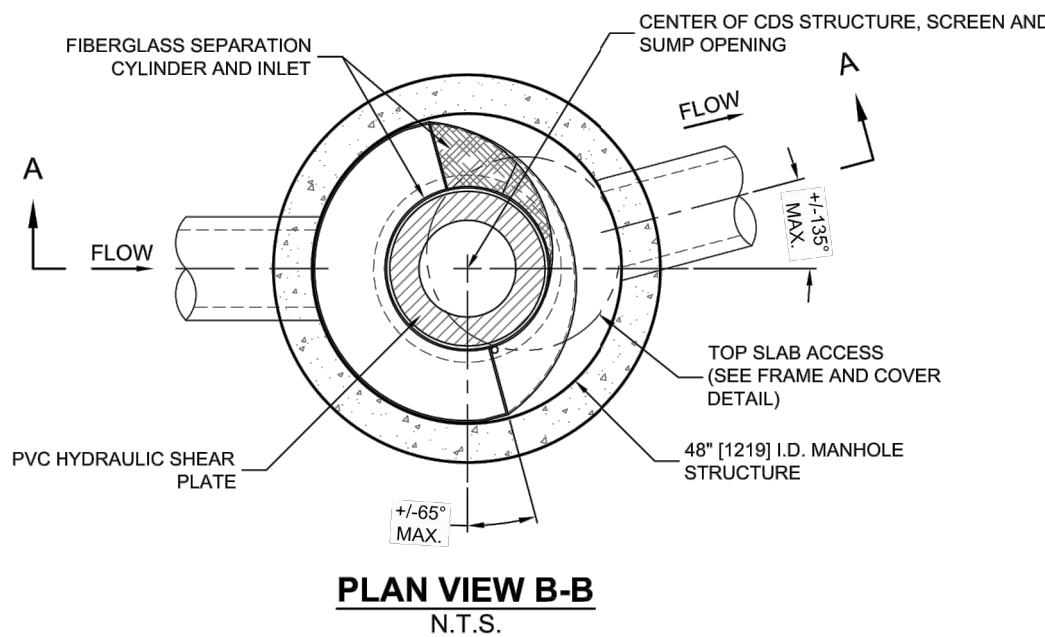
belgardcommercial.com
877-235-4273
details@belgard.com

This drawing is for illustrative purposes only and should not be used for construction without the signature of a registered professional engineer.

Belgard Permeable Paving Detail
PICP Pavement Transition to Asphalt

Scale: N.T.S. Drawn by: MAH
Date: 5/7/18 Drawing number: PICP_7

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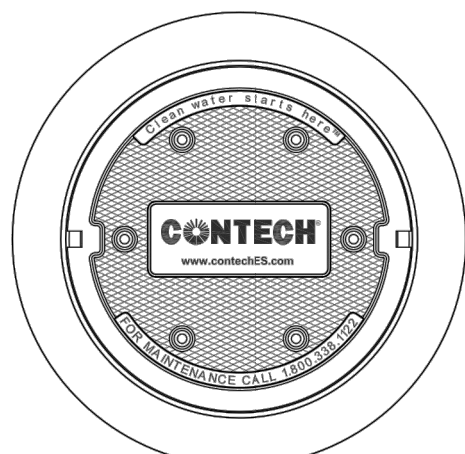


CDS2015-4-C DESIGN NOTES

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

- CB(HDS)-2
- CURB INLET WITH INLET PIPE
 - WQF=0.8CFS
 - PEAK FLOW RATE=5.54CFS
- CB(HDS)-3
- CURB INLET WITH NO INLETS
 - WQF=0.14CFS
 - PEAK FLOW RATE=0.83CFS

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO H200 AND CASTINGS SHALL MEET H200 (AASHTO M 208) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45389
800-336-1122 513-645-7000 513-645-7963 FAX

CDS2015-4-C
INLINE CDS
STANDARD DETAIL

PERMEABLE PAVEMENT

N.T.S.

HYDRODYNAMIC SEPARATOR (CB(HDS)-2 and CB(HDS)-3)

N.T.S.



PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS	Desc.	Date
No.	REVISER PER HEALTH DISTRICT COMMENTS	12/10/2021
1.	REVISED PER CDDOT COMMENTS	01/28/2022
2.		

Designed: S.E.L.
Drawn: S.E.L.
Reviewed: K.M.M.
Scale: NONE
Project No.: 2101726
Date: 11/18/2021
CAD File: DN210172601

Title: **DETAILS SHEET**

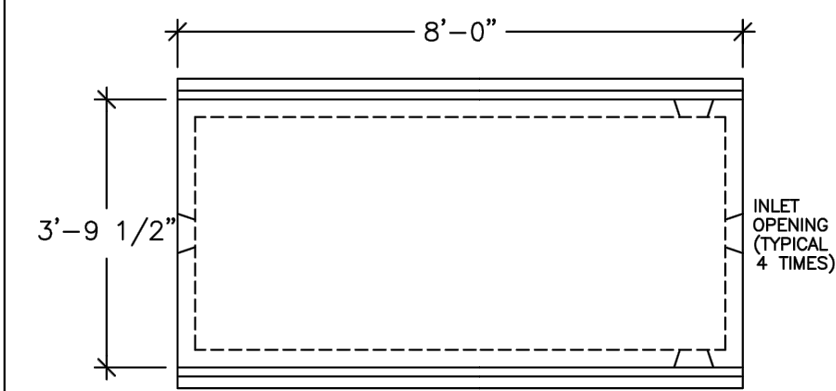
Sheet No.

Sheet 05 - 20210909001 - 80210172601

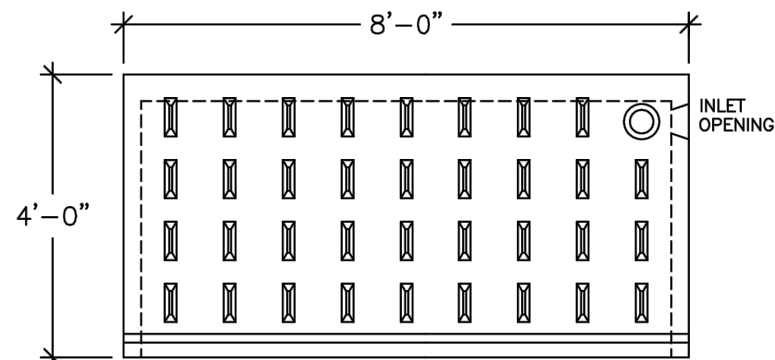
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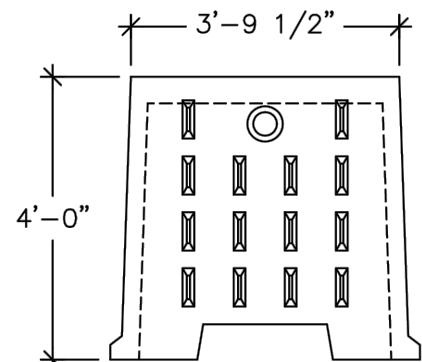
FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION



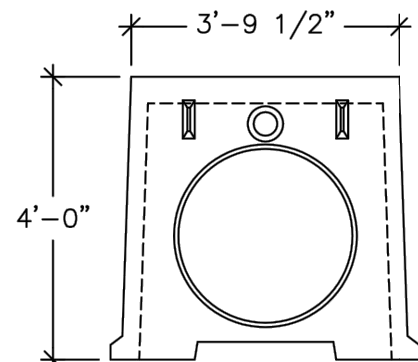
TOP VIEW
(ROOF SLAB THICKNESS IS 5")



SIDE VIEW
(WALL THICKNESS IS 3")



END VIEW (END SECTION)
(WALL THICKNESS IS 3")



END VIEW (CENTER SECTION)
(WALL THICKNESS IS 3")

4'x8'x4' GALLEY H-20 LEACHING CHAMBER

GALLEY DESIGN SPECIFICATIONS
CONFORMS TO LATEST:
ASTM DESIGNATION C913

NOTES:

1. PIPE INLET LOCATIONS HAVE 4" DIAMETER KNOCKOUTS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
2. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
3. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
4. METHOD OF MANUFACTURE: WET CAST.
5. SECTION IS MONOLITHIC.
6. THE GALLEY IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.

WEIGHT CHART

PRODUCT	APPROX. WEIGHT
4'x8'x4' GALLEY	4200 LBS.

LEACHING DATA

FLOW LINE (INCHES)	LEACHING (GPH/LF)	LEACHING (FT ² /UNIT)	INSIDE CAPACITY (GALLONS)
38	9.2	73.6	700



UNITED CONCRETE PRODUCTS INC.

173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941
YALESVILLE, CT 06492 (203) 269-3119

SUBSURFACE DETENTION SYSTEM #1

N.T.S



Architecture
Engineering
Environmental
Land Surveying

No.	Date	Desc.
1.	12/10/2021	REVISED PER HEALTH DISTRICT COMMENTS
2.	01/10/2022	REVISED PER HEALTH DISTRICT COMMENTS
3.	01/28/2022	REVISED PER CTDOT COMMENTS

DETAILS SHEET

DN-8

2/8/2022, ZIEMBA, G:\JOBS21\16\2101726\DWG\DN210172601.DWG.DN-8 24X36.

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Architecture
Engineering
Environmental
Land Surveying

No.	Date	Desc.
1.	12/10/2021	REVISED PER HEALTH DISTRICT COMMENTS
2.	01/10/2022	REVISED PER HEALTH DISTRICT COMMENTS
3.	01/28/2022	REVISED PER CTDOOT COMMENTS

Sheet No. _____

2/8/2022, ZIEMBA, G:\JOBS2\16\2101726\DWG\DN210172601.DWG.DN-9 24X36.

SECTION A-A

3 1/2"

2"

3/4" TYP.

1 5/16"

3/4" DIA.

HOLES 1" O.C.

LENGTH AS REQUIRED

1"

3"

TAPER

Diagram illustrating the components of a sign panel mounting hardware assembly:

- WASHER $1\frac{1}{32}$ " I.D. X $1\frac{1}{16}$ " O.D. X $\frac{1}{16}$ " THICK
- SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT
- NYLON WASHER $\frac{3}{8}$ " I.D. X $\frac{5}{16}$ " O.D. X $\frac{1}{32}$ " THICK
- BACK-UP PLATE $\frac{1}{8}$ " THICK
- SIGN PANEL
- $\frac{5}{16}$ " BOLT HEX HEAD

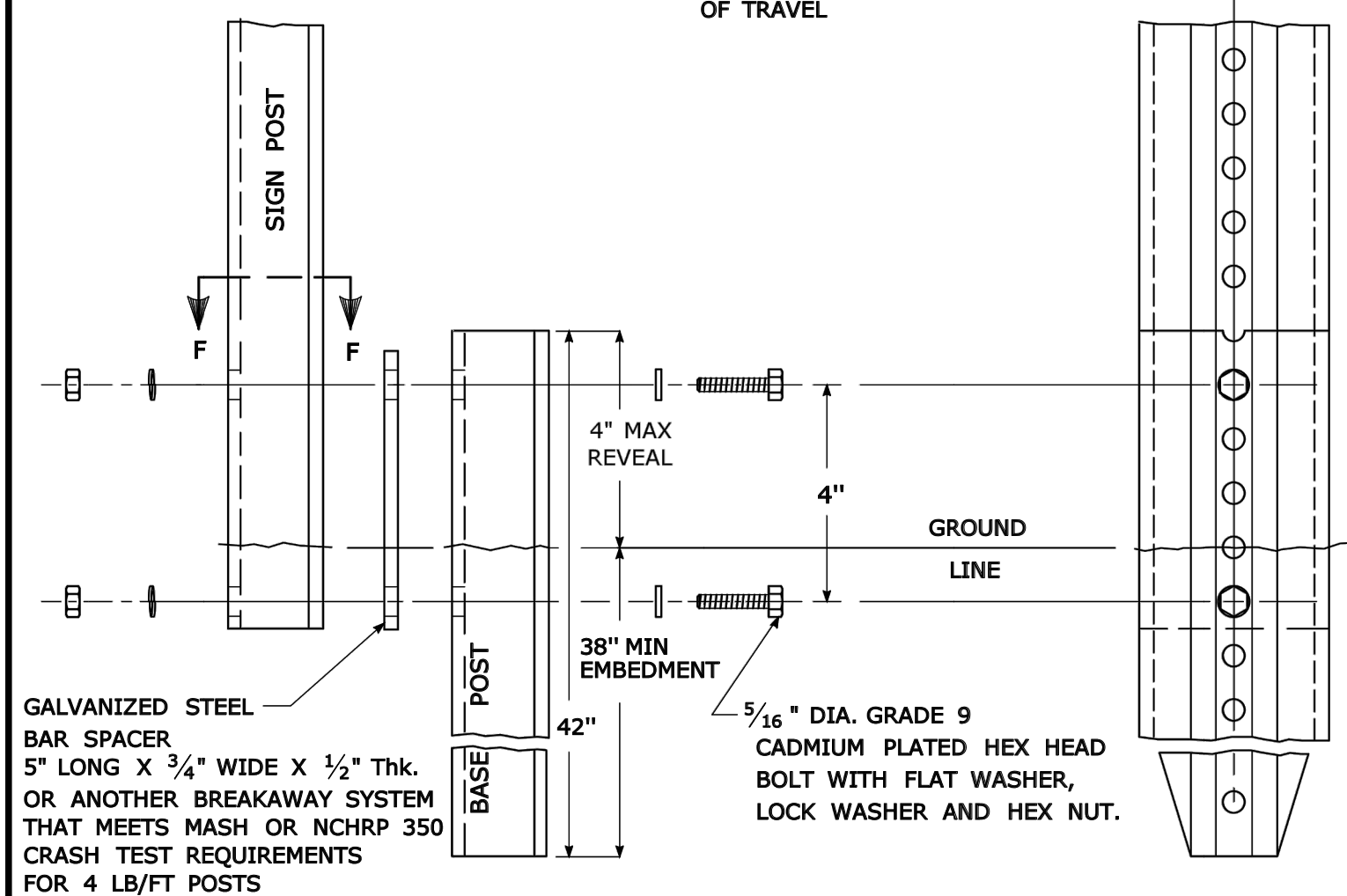
Technical drawing of a rectangular plate. The width is labeled as 2". The height is labeled as 3 1/2". A hole is shown in the center, labeled as 3/8" DIA. HOLE.

Technical drawing of a tapered rod with the following specifications:

- Length:** 6'-6" OR LENGTH AS REQUIRED
- Top Diameter:** 3/4"
- Center-to-Center (C) Spacing:** Indicated by two arrows pointing to the spacing between holes.
- Hole Pattern:** 30 - 3/8" DIA. HOLES 1" O.C.
- Ground Line:** Indicated by a horizontal line across the rod.
- Embedment:** 24" MIN EMBEDMENT (indicated by an arrow pointing to the length below the ground line).
- Taper:** Indicated by an arrow pointing to the tapered section of the rod.
- Bottom Diameter:** 3" (75) (indicated by an arrow pointing to the bottom diameter).

SECTION F-F

← DIRECTION
OF TRAVEL

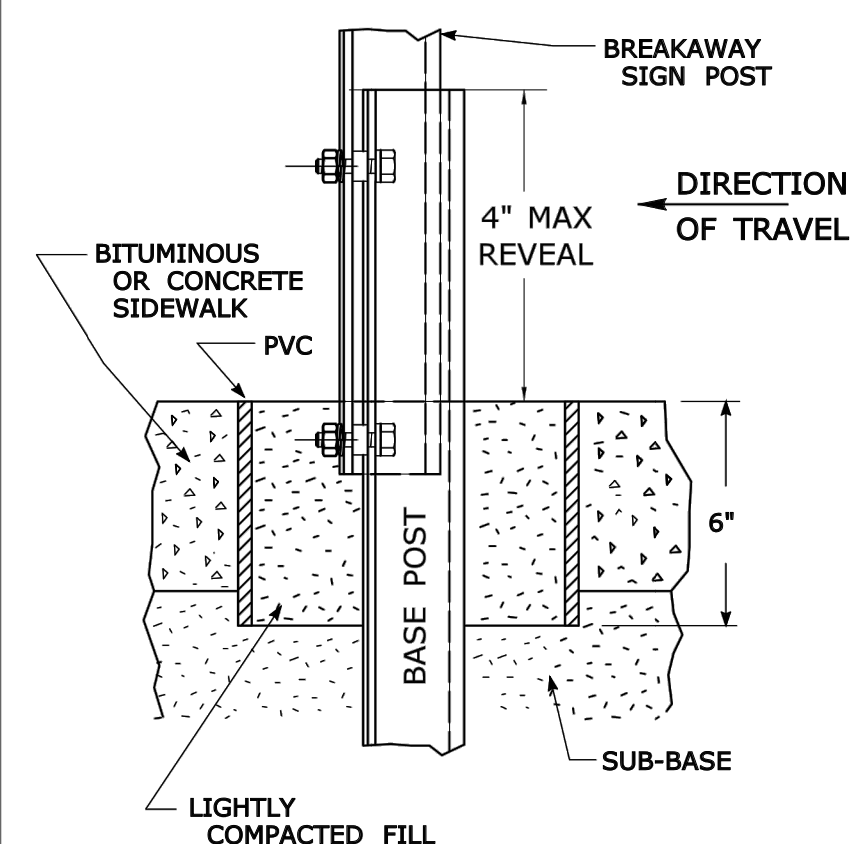


Technical drawing of a Breakaway Sign Post. The drawing shows a cross-section of the post and its base. The post is labeled "BREAKAWAY SIGN POST" and "DIRECTION OF TRAVEL" with an arrow pointing left. The base is labeled "BASE POST". The drawing includes the following dimensions and labels:

- 4" MAX REVEAL
- 42"
- VARIES
- 38" MIN EMBEDMENT
- VARIES
- 4" MIN DIA
- GROUND LINE
- SUB-BASE
- COMPACTED SUB-BASE MATERIAL
- LEDGE

6" POLYVINYL CHLORIDE CONDUIT
SCHEDULE 40 OR 80

The diagram shows a cross-section of a 6-inch Polyvinyl Chloride (PVC) conduit. Inside the conduit, there are four insulated conductors (wires) and a central ground connection. The ground connection is labeled 'G' and is connected to the conduit wall. The conductors are labeled 'G' and are connected to the conduit wall. The conduit is labeled '6" POLYVINYL CHLORIDE CONDUIT SCHEDULE 40 OR 80'.



Technical drawing of a sign panel assembly, showing a front view and a side view with dimensions and component labels.

Front View Dimensions:

- Overall width: $6\frac{1}{4}"$
- Distance from left edge to center of hole: $3\frac{1}{8}"$
- Overall height: $1\frac{1}{2}"$
- Distance from top edge to center of hole: $3\frac{1}{8}"$ DIA. HOLE

Side View Dimensions:

- Overall width: $5"$
- Distance from left edge to center of hole: $5"$
- Distance from bottom edge to center of hole: $2\frac{1}{2}"$
- Overall height: $5" \text{ TYP.}$

Component Labels:

- SIGN PANEL
- HEX HEAD BOLT
- $\frac{5}{16}" \times 1"$
- $\frac{3}{8}"$ DIA. HOLE
- $\frac{1}{2}"$
- $2\frac{1}{2}"$
- $5" \text{ TYP.}$
- $\frac{5}{16}"$ HEX HEAD BOLT
- NYLON WASHER
- $\frac{1}{2}"$ I.D. \times $\frac{5}{8}"$ O.D. \times $\frac{1}{32}"$ THICK
- RADIUS SHALL BE AS SMALL AS PRACTICAL
- .080 THICK ALUMINUM
- STAINLESS STEEL WASHER
- $\frac{1}{2}"$ I.D. \times $\frac{1}{16}"$ O.D. \times $\frac{1}{16}"$ THICK
- SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT.
- SELF LOCKING NUT WITH PLASTIC OR FIBER INSERT.
- STAINLESS STEEL WASHER
- $\frac{1}{2}"$ I.D. \times $\frac{1}{16}"$ O.D. \times $\frac{1}{16}"$ THICK
- NYLON WASHER
- $\frac{1}{2}"$ I.D. \times $\frac{5}{8}"$ O.D. \times $\frac{1}{32}"$ THICK

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

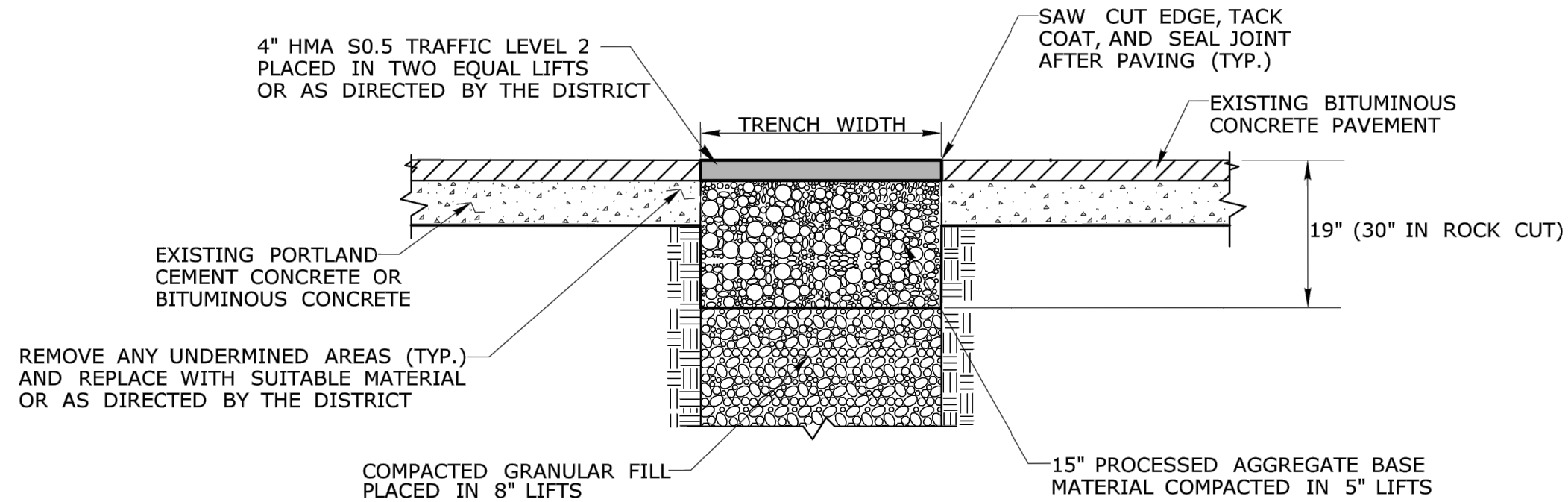

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION


SUBMITTED BY:	NAME/DATE/TIME:
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<i>Mary E. Baker</i>	Mary E. Baker, P.E. 2017.06.13 15:28:14-04'00'
APPROVED BY:	NAME/DATE/TIME:
<i>Gregory M. Dorosh</i>	Gregory M. Dorosh, P.E. 2017.06.15 09:27:29-04'00'

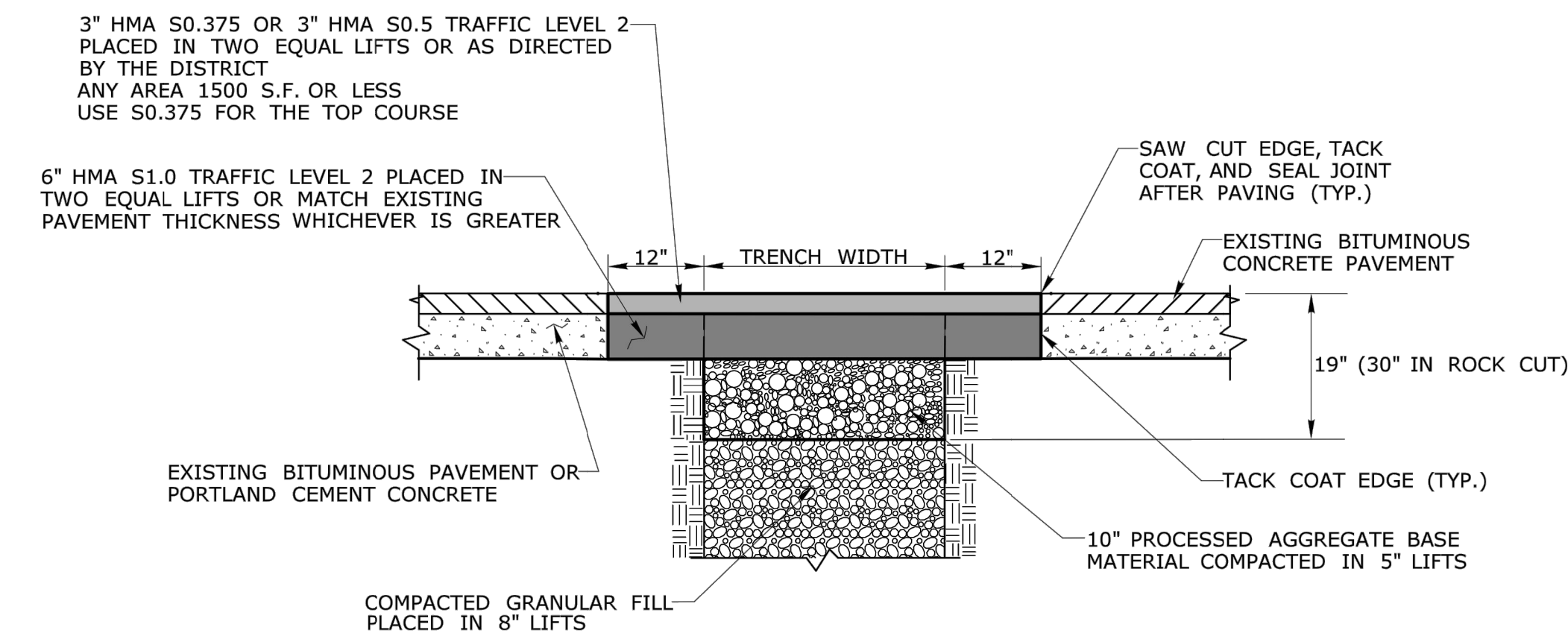
OFFICE OF ENGINEERING

METAL SIGN POSTS AND SIGN MOUNTING DETAILS

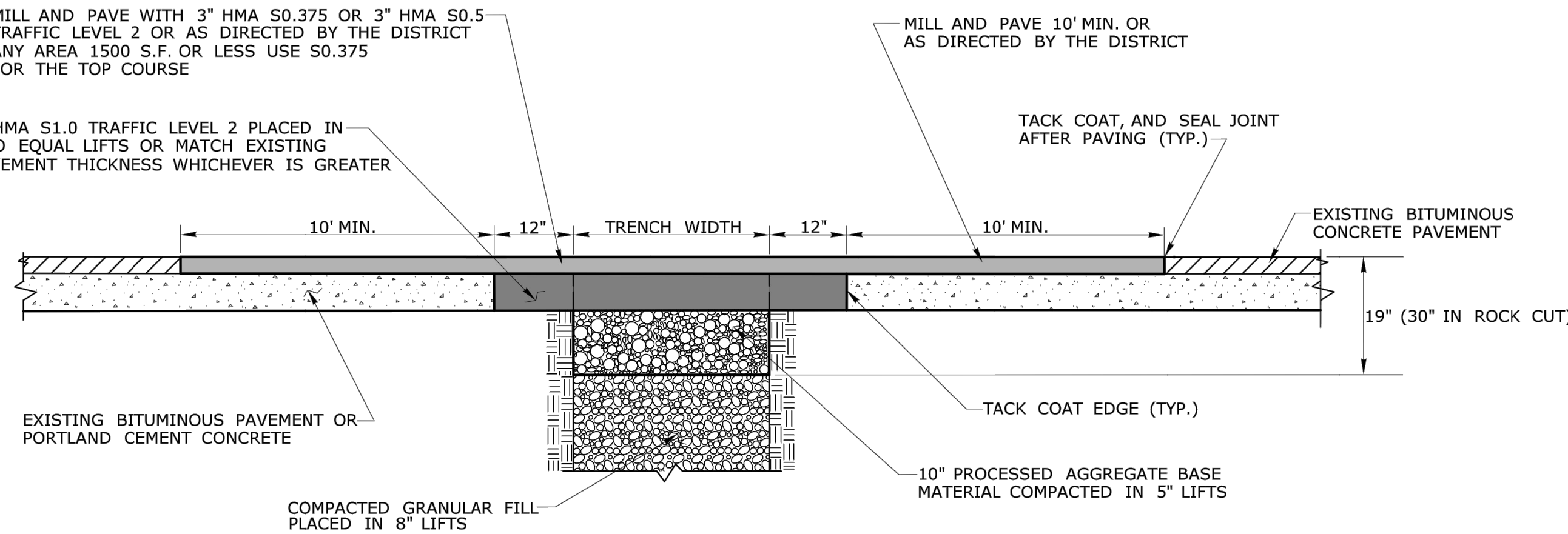
TR-1208_02



TEMPORARY PAVEMENT REPAIR FOR TRENCH
THROUGH OVERLAID PORTLAND CEMENT CONCRETE
OR BITUMINOUS CONCRETE PAVEMENT



PERMANENT PAVEMENT REPAIR WITHOUT MILLING
- THROUGH PORTLAND CEMENT CONCRETE
OR BITUMINOUS CONCRETE PAVEMENT



PERMANENT PAVEMENT REPAIR WITH MILLING

GENERAL NOTES:

1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:

A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

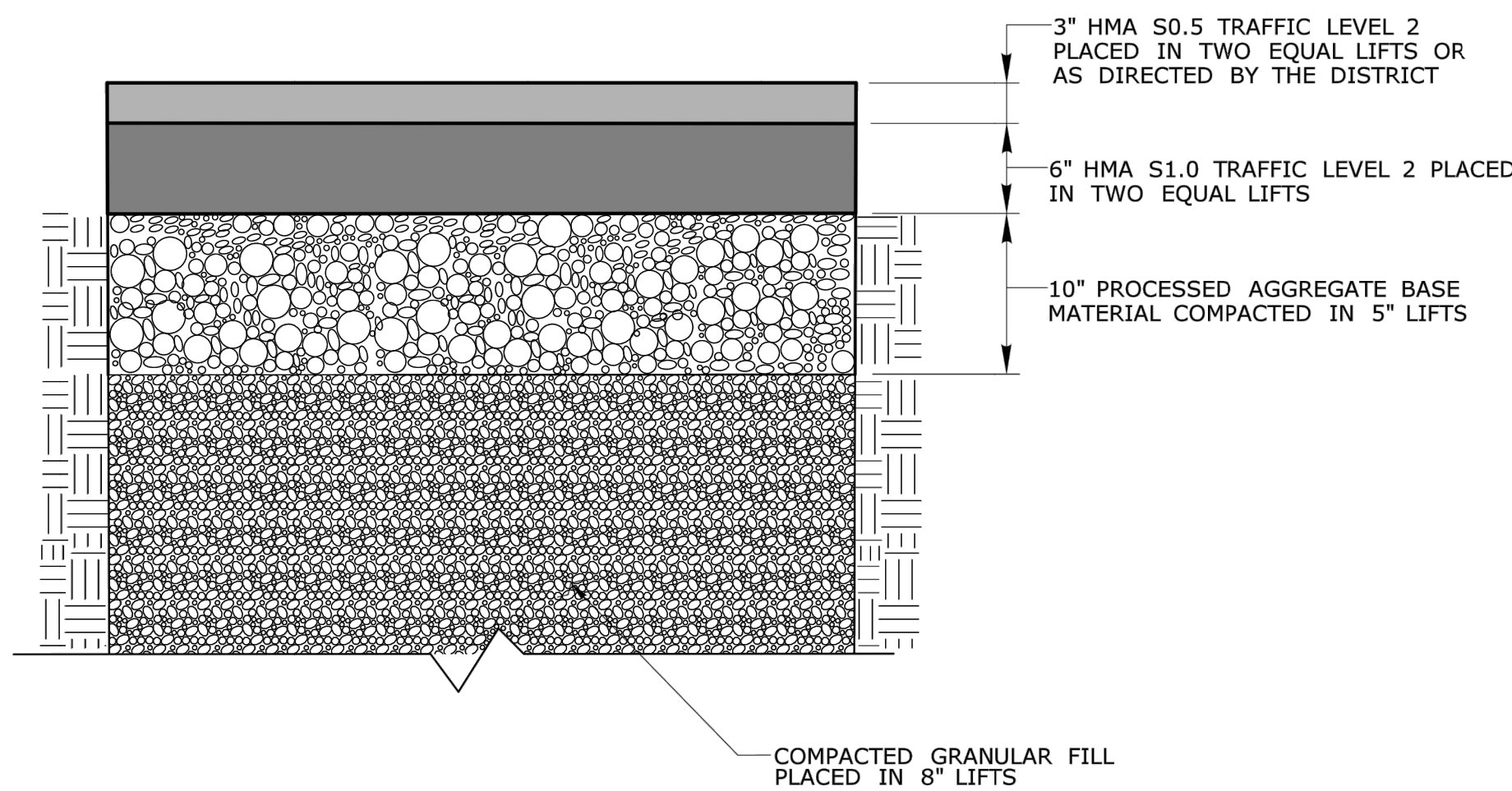
- a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

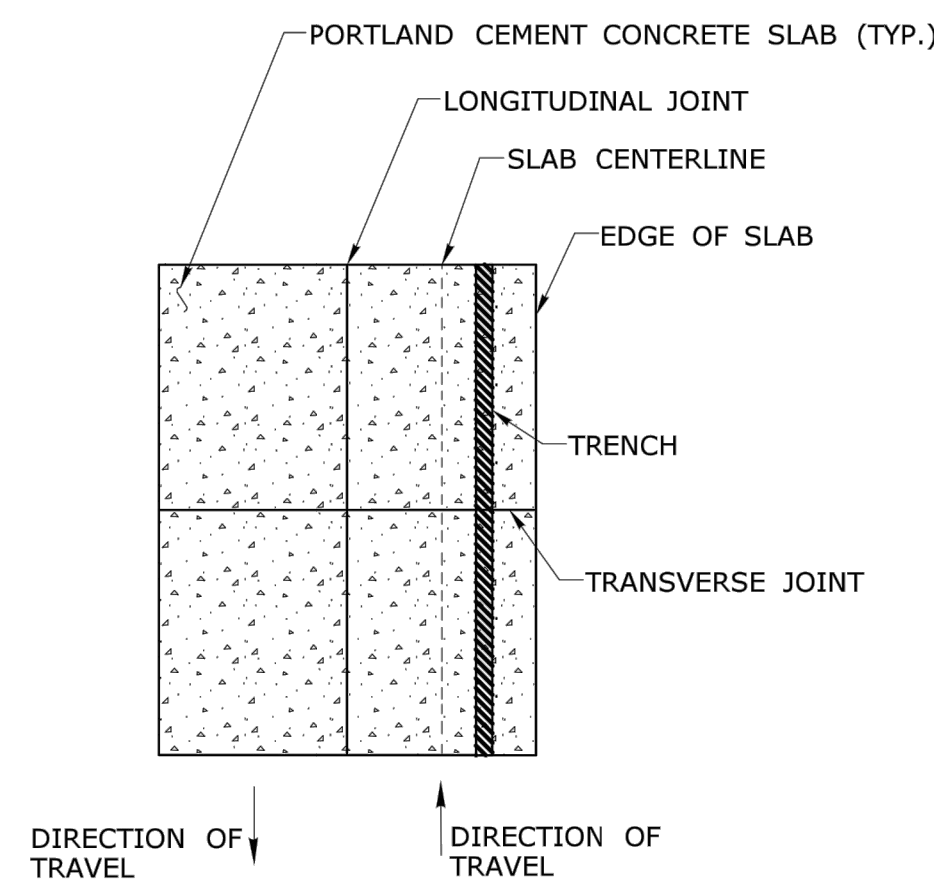
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

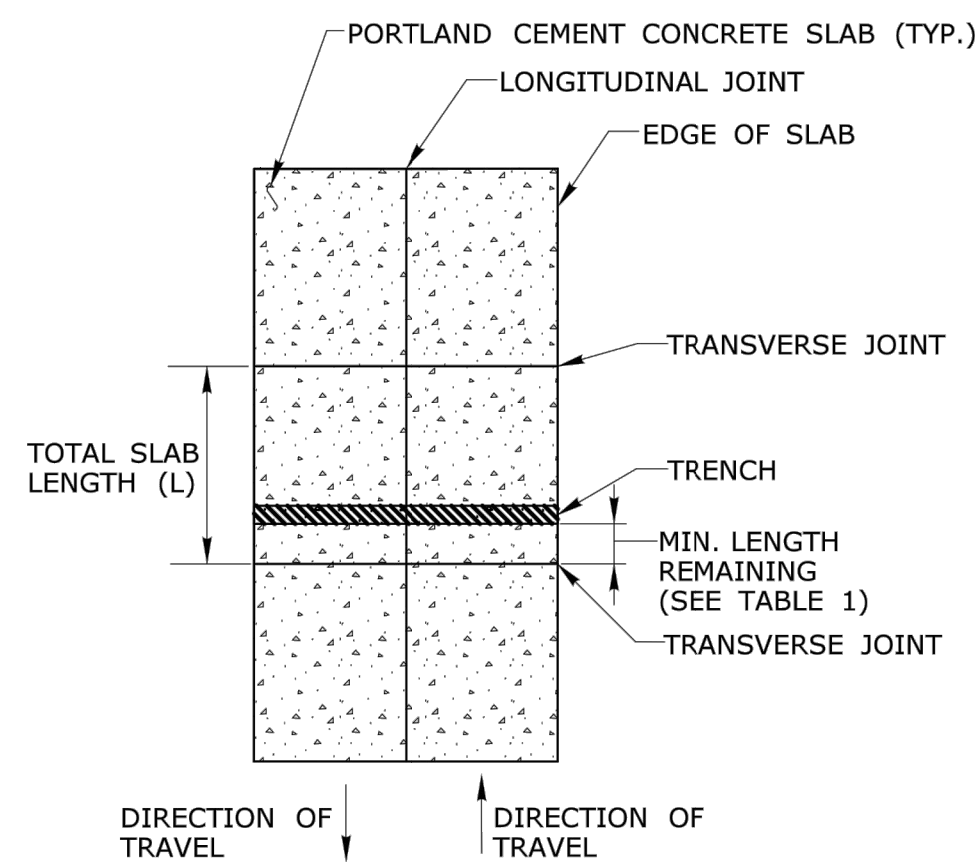
- a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



ROADWAY PROFILE



LONGITUDINAL TRENCHING
FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 1)



TRANSVERSE TRENCHING
FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 2)

DRAFTER: MS	HIGHWAY OPERATIONS	OFFICE OF MAINTENANCE OPERATIONS SPECIAL SERVICES AND PLANNING		STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		DRAWING TITLE: ENCROACHMENT PERMIT - PAVEMENT REPAIR
CHECKED BY: EL						
NO SCALE						



PROPOSED RETAIL DEVELOPMENT
580 LAKE ROAD
ANDOVER, TOLLAND COUNTY, CONNECTICUT

REVISIONS	Date	Desc.
1	12/10/2021	REVISED PER HEALTH DISTRICT COMMENTS
2	01/28/2022	REVISED PER CTDOT COMMENTS

Designed	S.E.L.
Drawn	S.E.L.
Reviewed	K.M.M.
Scale	NONE
Project No.	2101726
Date	11/18/2021

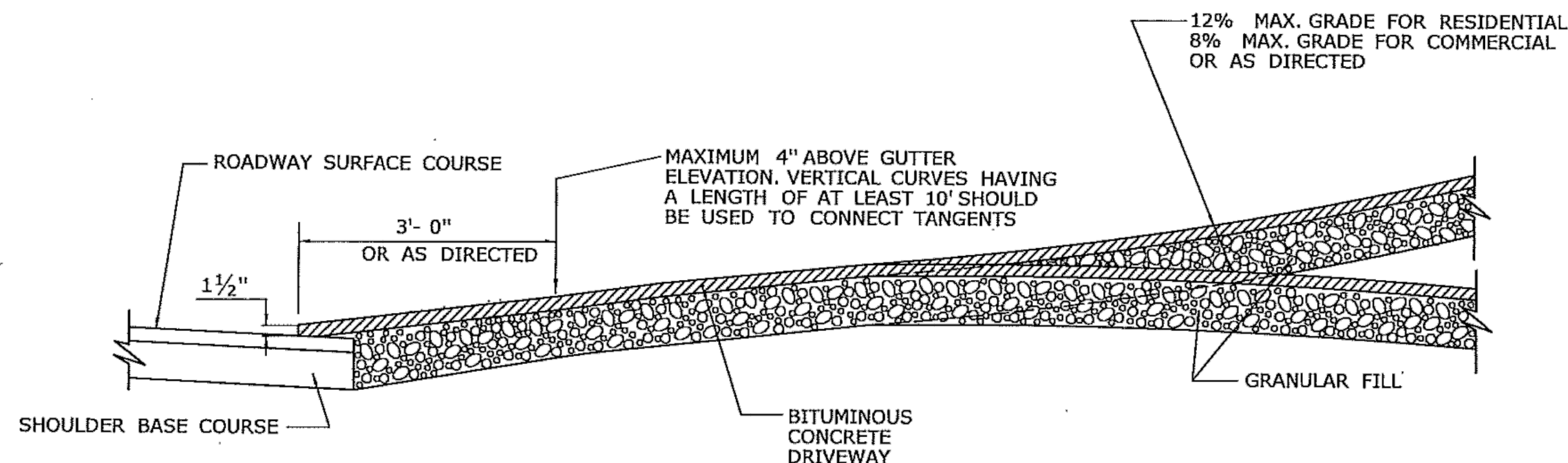
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Title

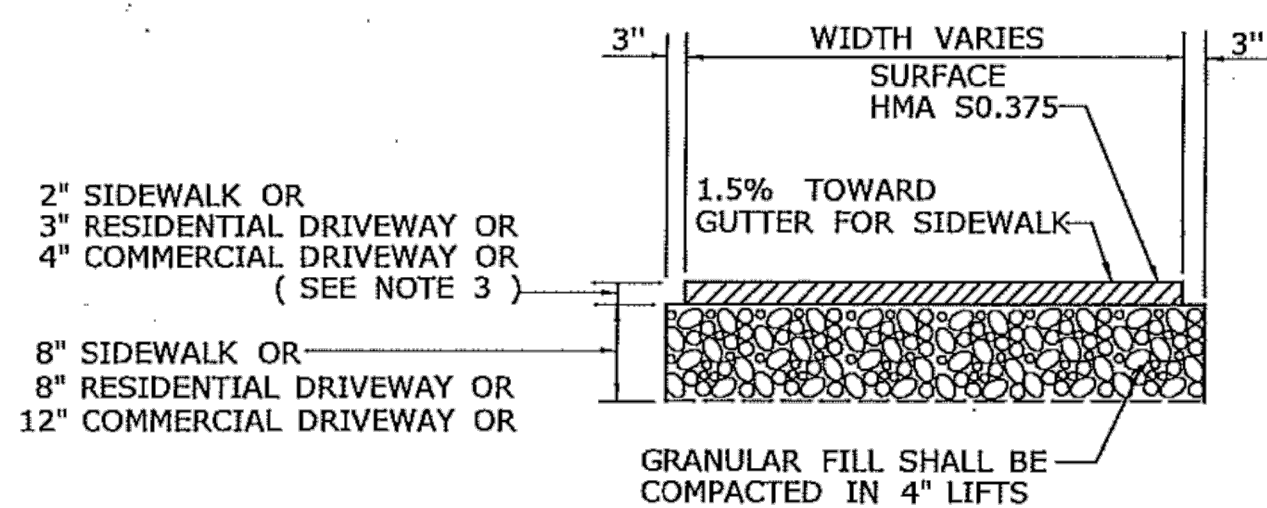
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Sheet No.

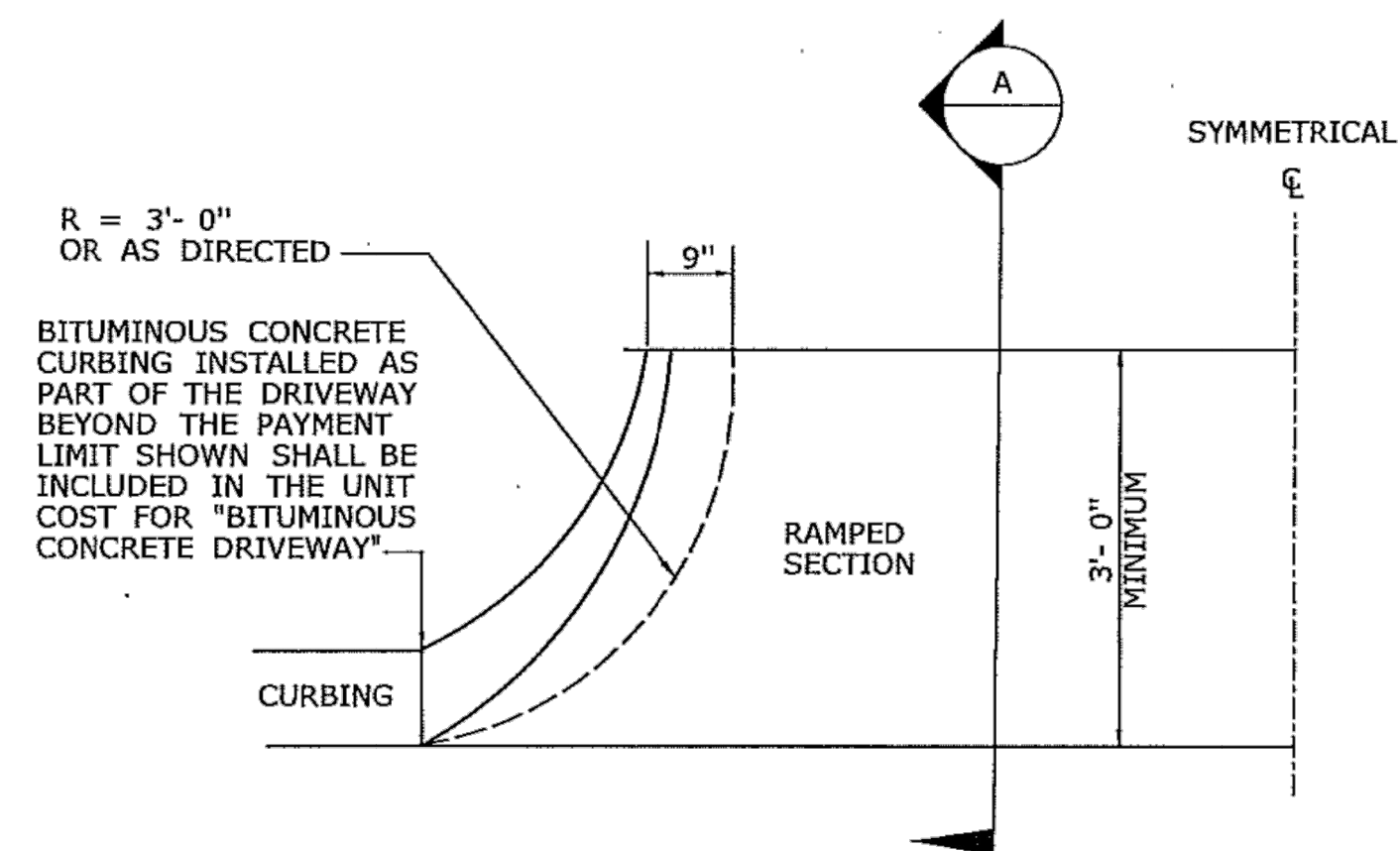
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Sheet 29 of 32



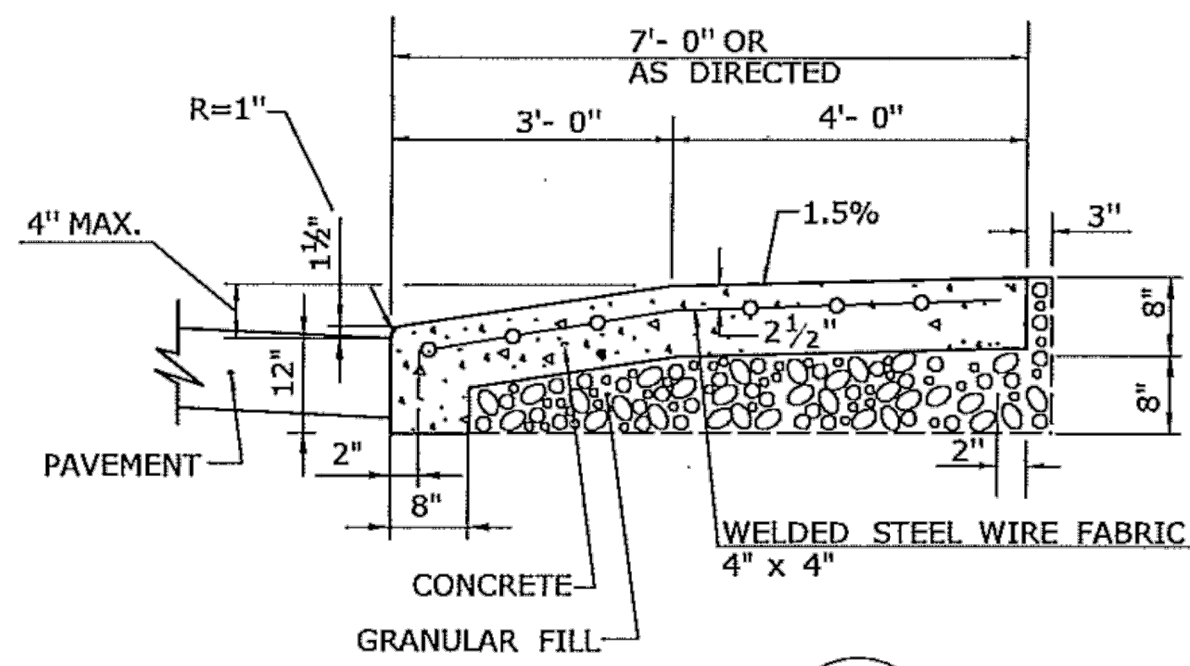
SECTION A



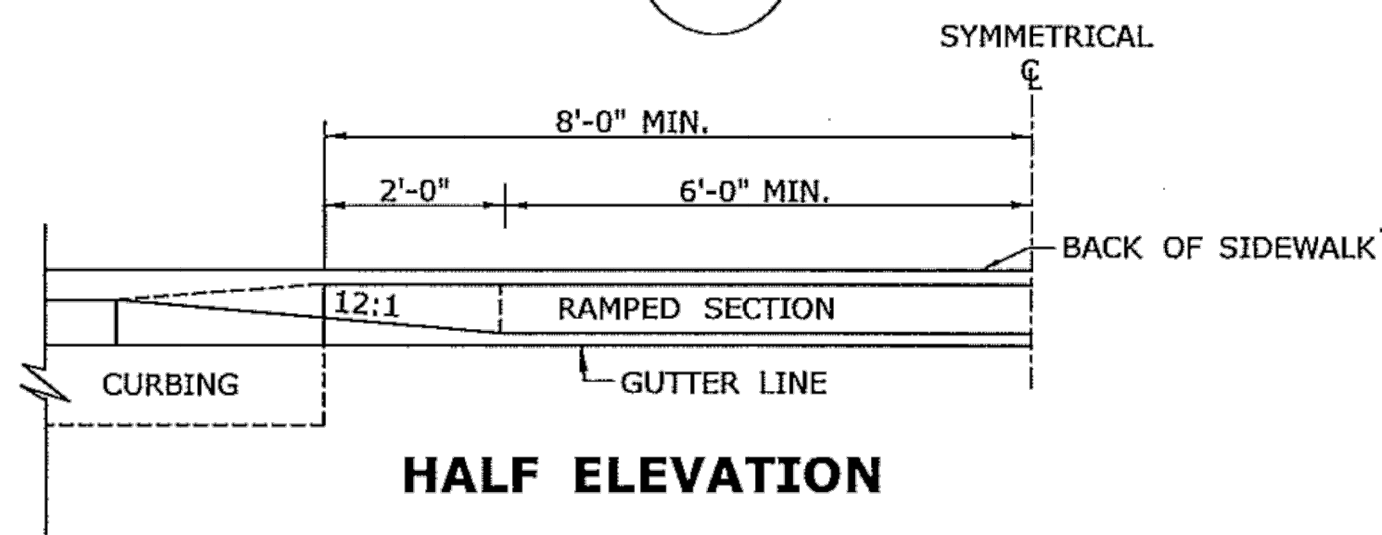
**TYPICAL SECTION
BITUMINOUS CONCRETE
SIDEWALK AND DRIVEWAY**



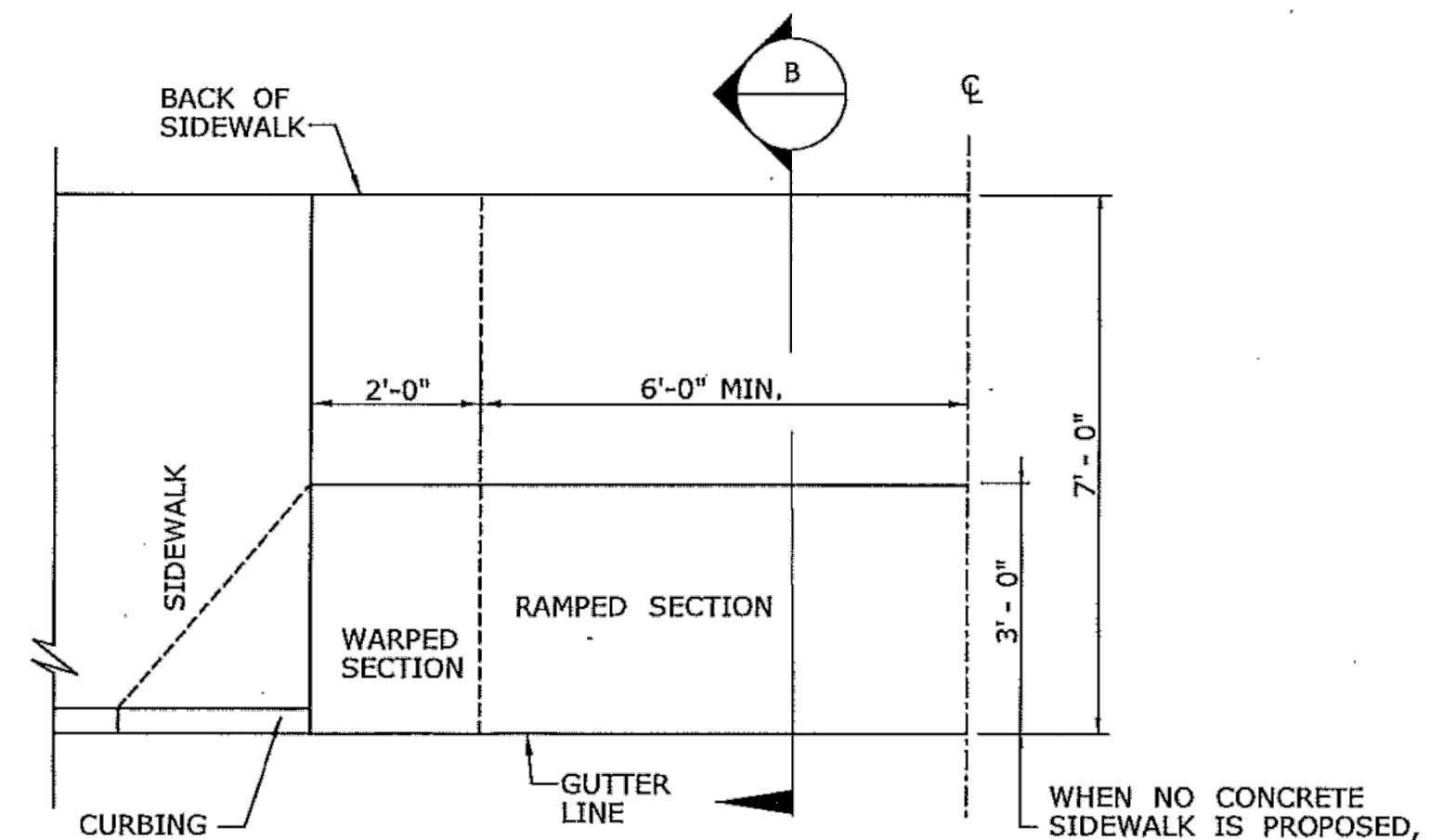
**HALF BITUMINOUS CONCRETE
DRIVEWAY PLAN**



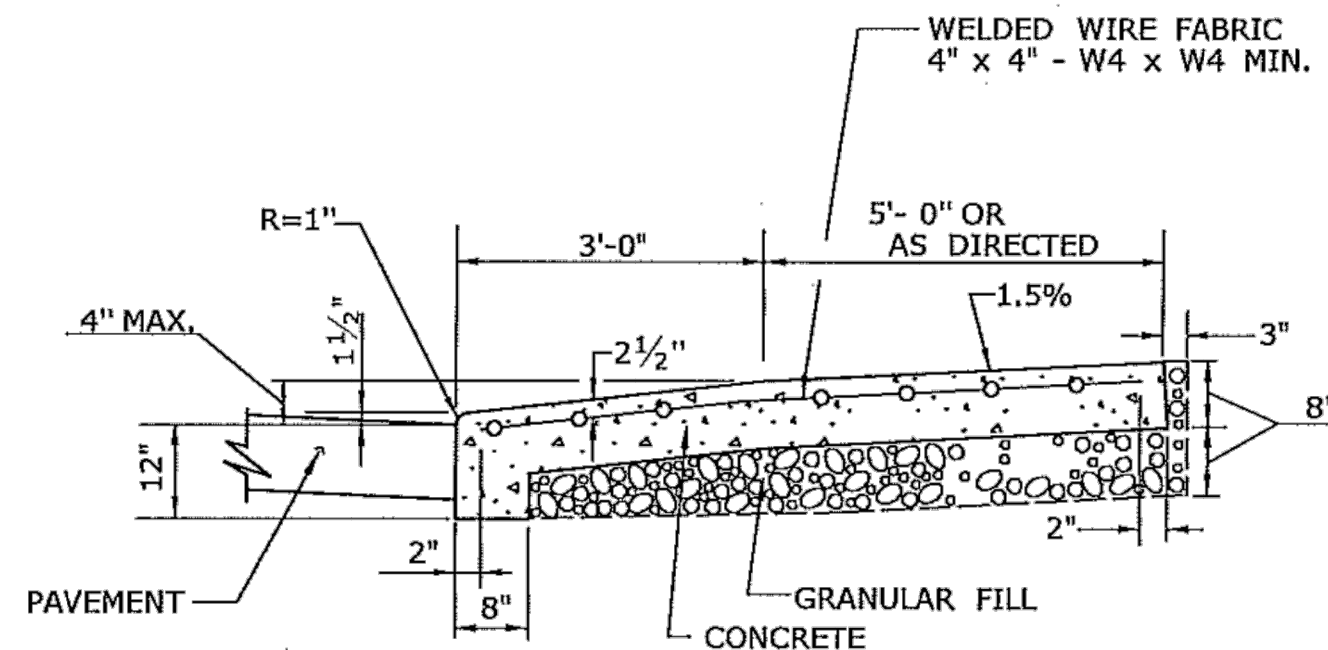
SECTION B



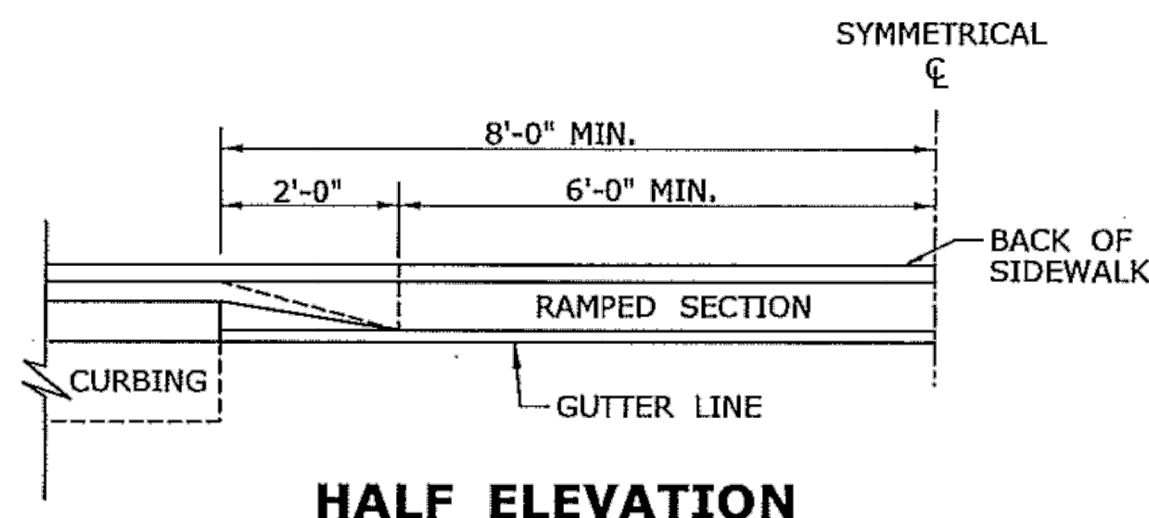
HALF ELEVATION



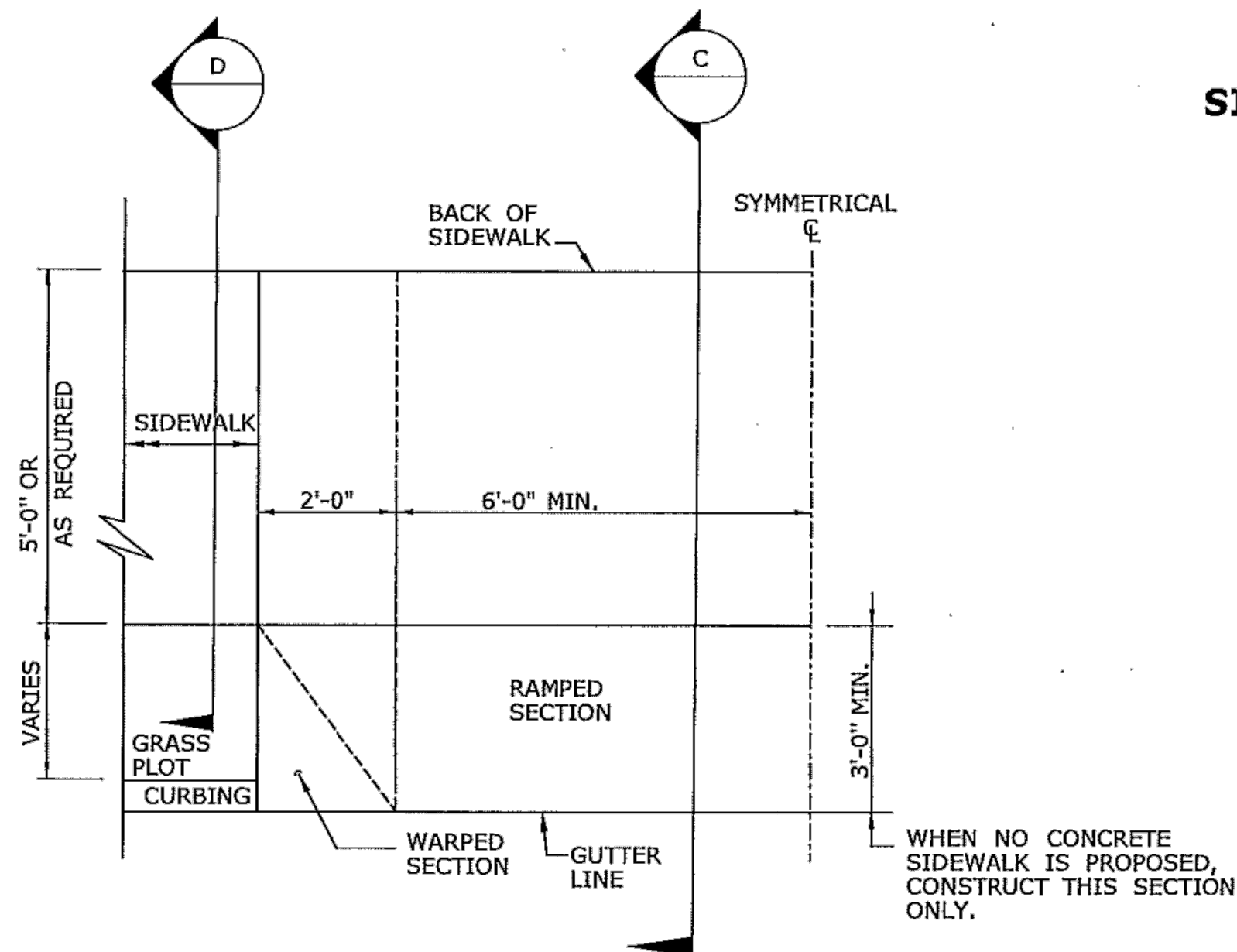
**HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
SIDEWALK ADJOINS CURBING**



SECTION C



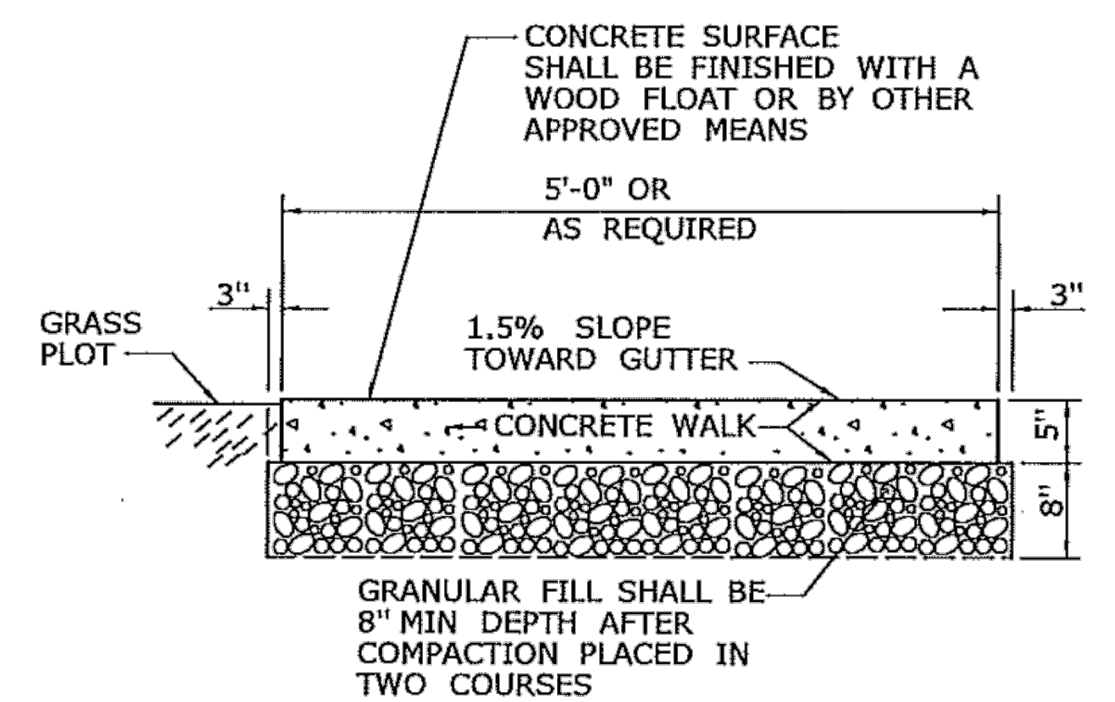
HALF ELEVATION



**HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
CURB IS SEPARATED FROM
SIDEWALK BY GRASS PLOT**

GENERAL NOTES:

1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.



SECTION D

**5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT**

PLOTTED DATE: 7/1/2020

NOT TO SCALE
###

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Leo Fontaine, P.E.
2020.07.08
10:32:47-0400

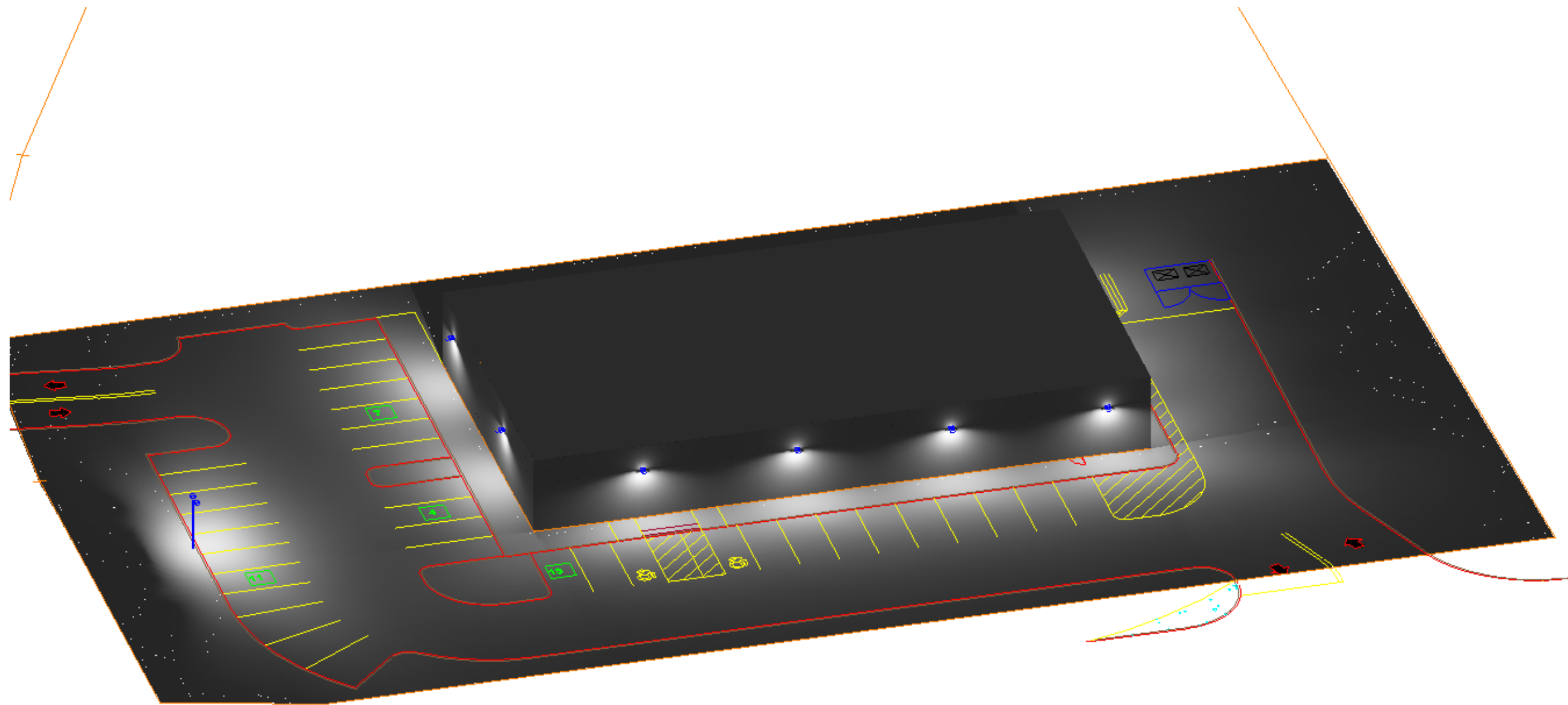
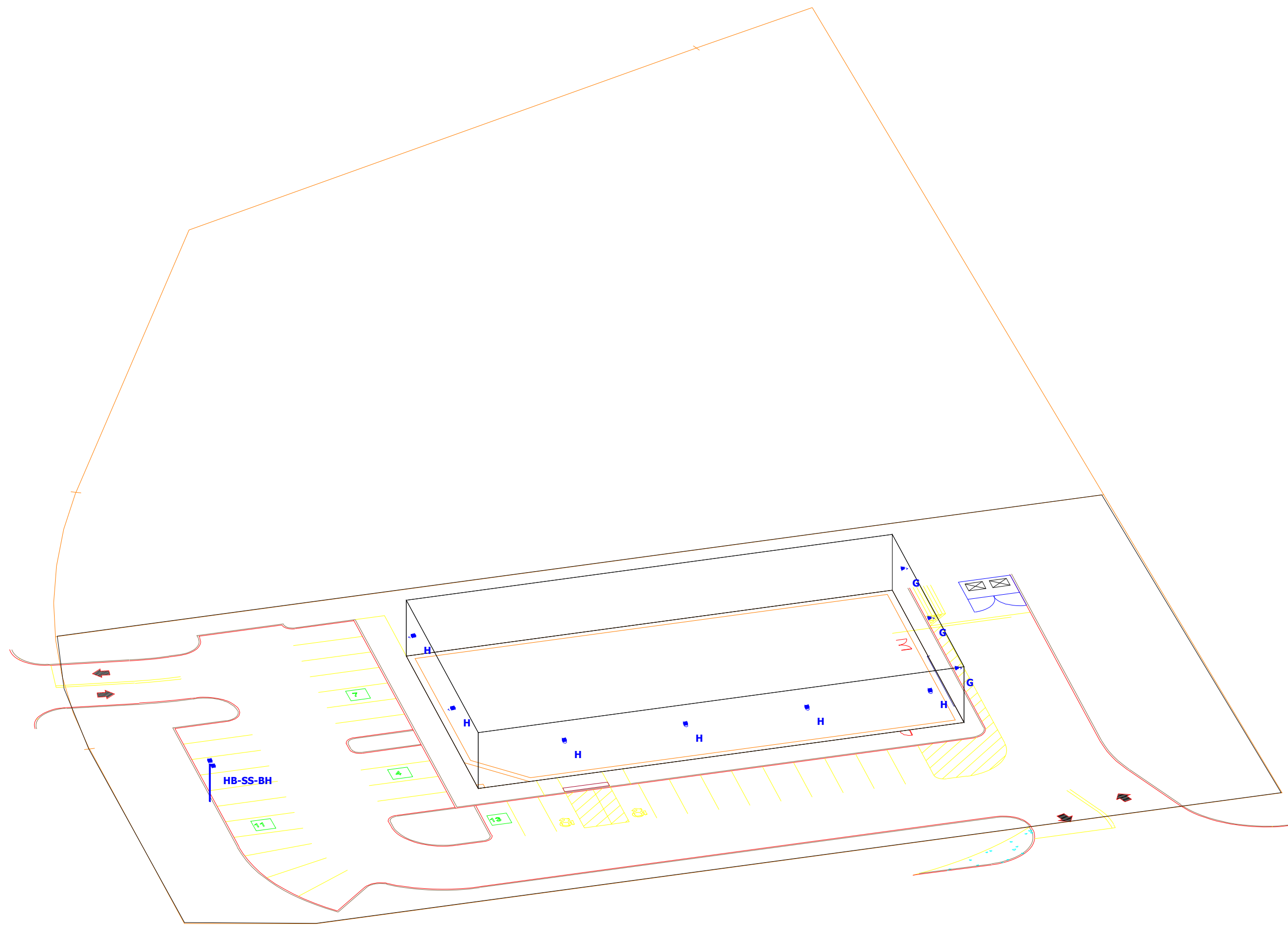
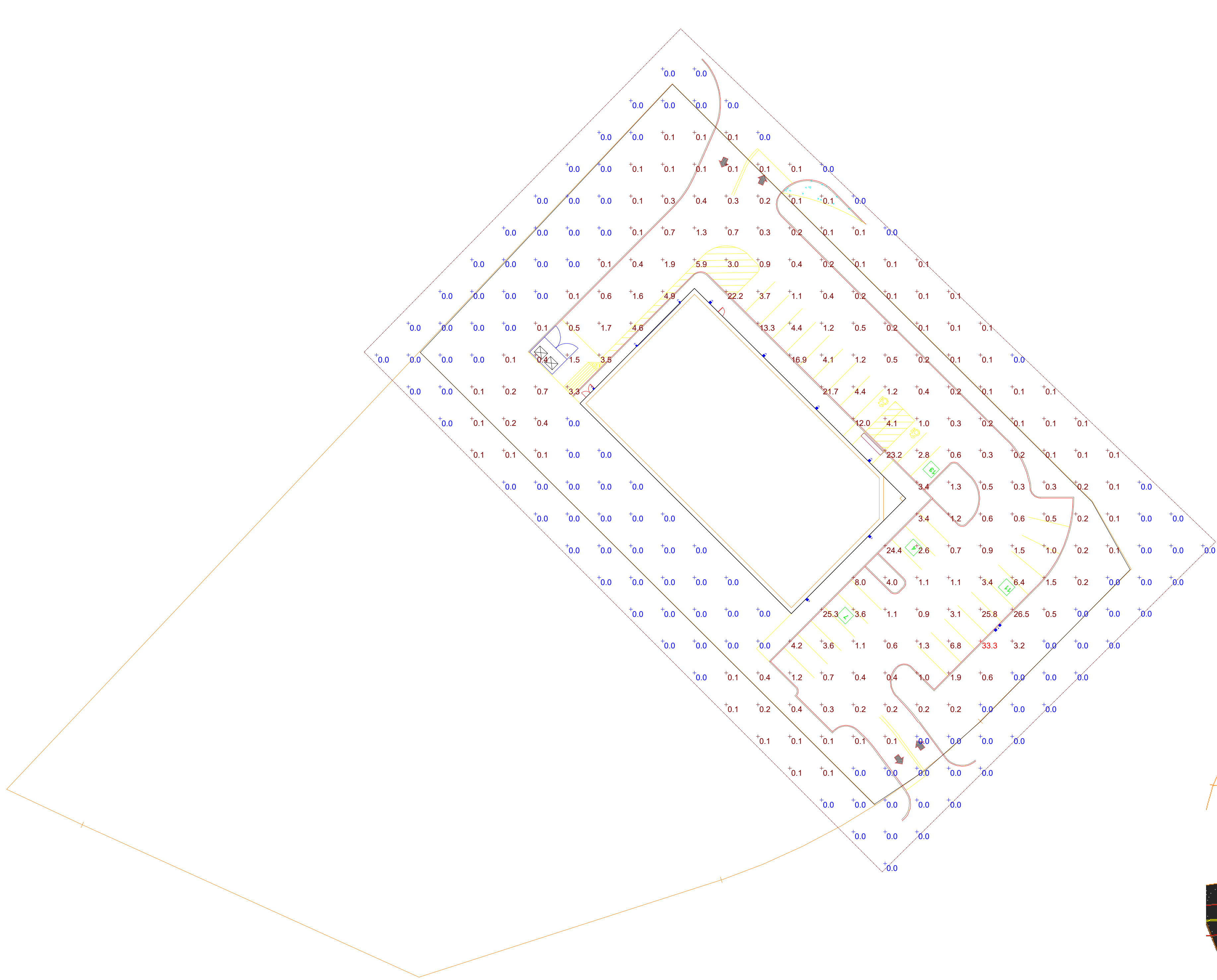
APPROVED BY:
James Fallon, P.E.
2020.07.16
12:16:04-0400



CTDOT
STANDARD SHEET

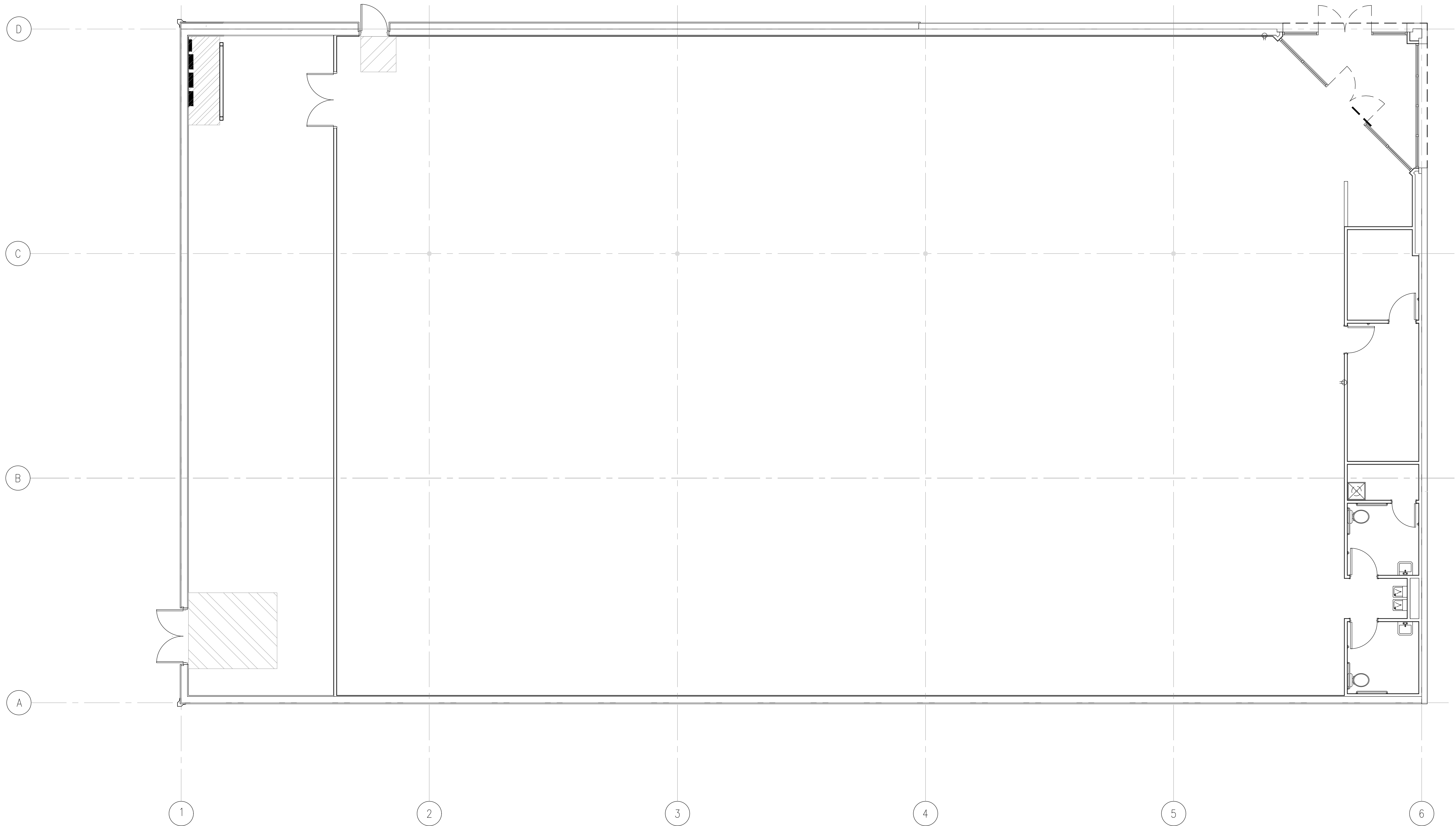
STANDARD SHEET TITLE:
DRIVEWAY RAMPS AND SIDEWALKS

STANDARD SHEET NO.:
HW-921_01

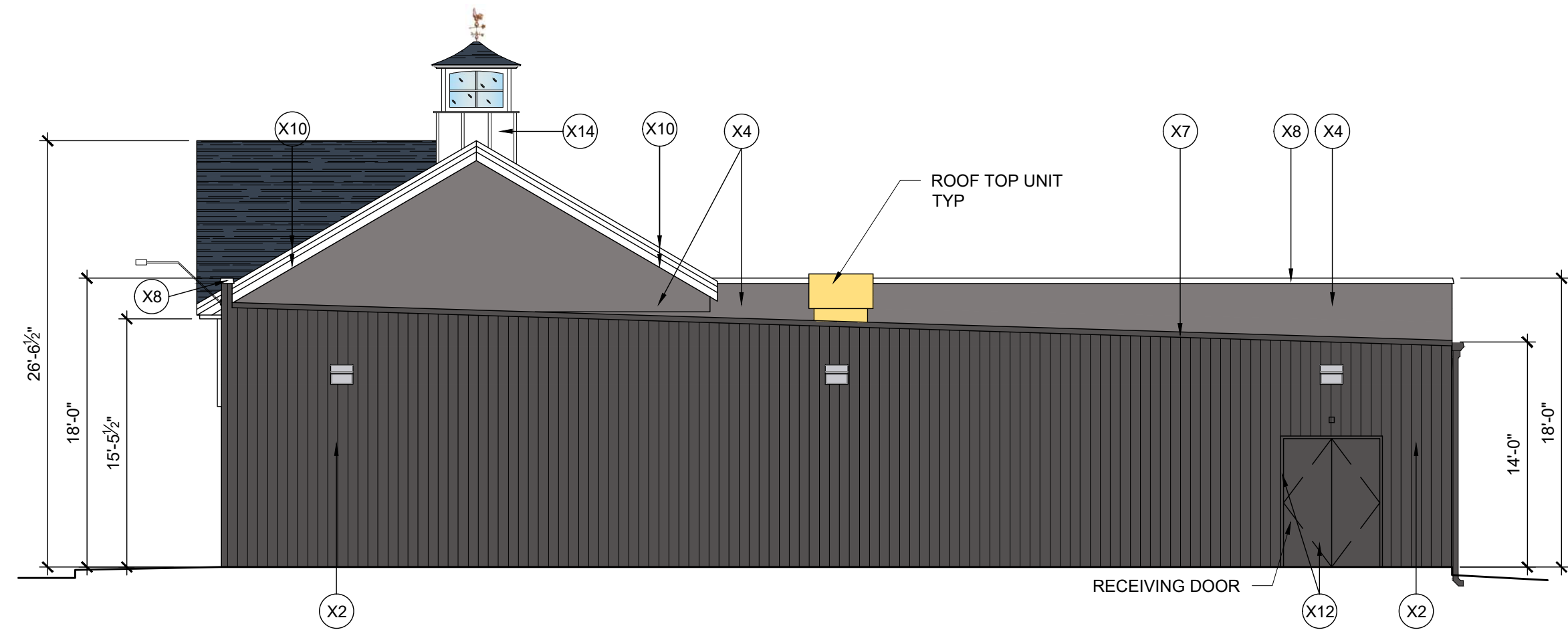


Schedule						
Symbol	Label	Quantity	Manufacturer	Description	Lumens Per Lamp	Wattage
	G	3	SHENZHEN SNC OPTO ELECTRONIC CO.,LTD	SNC-FWP01-40CT4A1-40	4861	40.4
	H	6	ASMA RT LIGHT CO., LTD	PRO-SG11-150WCT3A1	15704	153.3
	HB-SS-BH	1	ASMA RT LIGHT CO., LTD	TWO PRO-SG11-150WCT3A1 with SIDE SHIELDS	15704	306.6

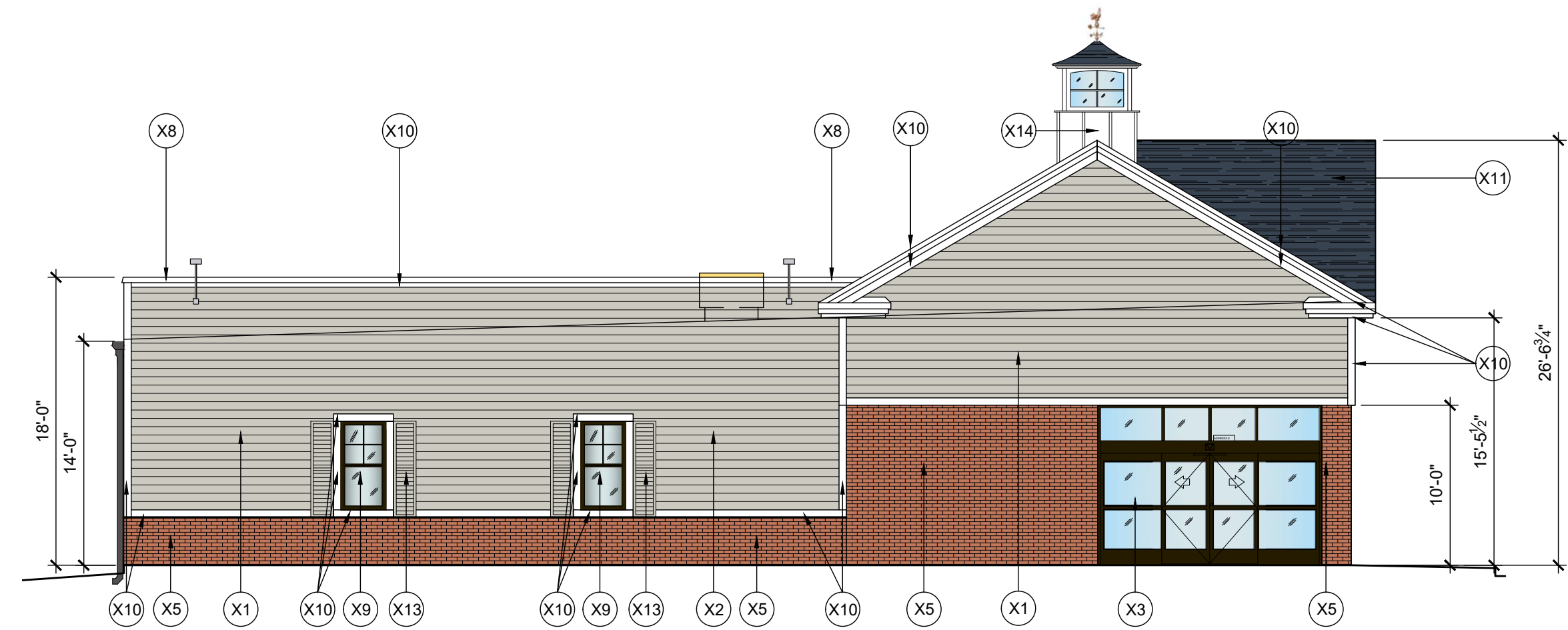
Luminaire Locations			
Label	MH	Orientation	Tilt
G	12.00	315.00	0.00
G	12.00	315.00	0.00
G	12.00	315.00	0.00
H	12.00	129.29	0.00
H	12.00	129.29	0.00
H	12.00	46.85	0.00
H	12.00	46.85	0.00
H	12.00	46.85	0.00
H	12.00	46.85	0.00
HB-SS-BH	12.00	312.51	0.00



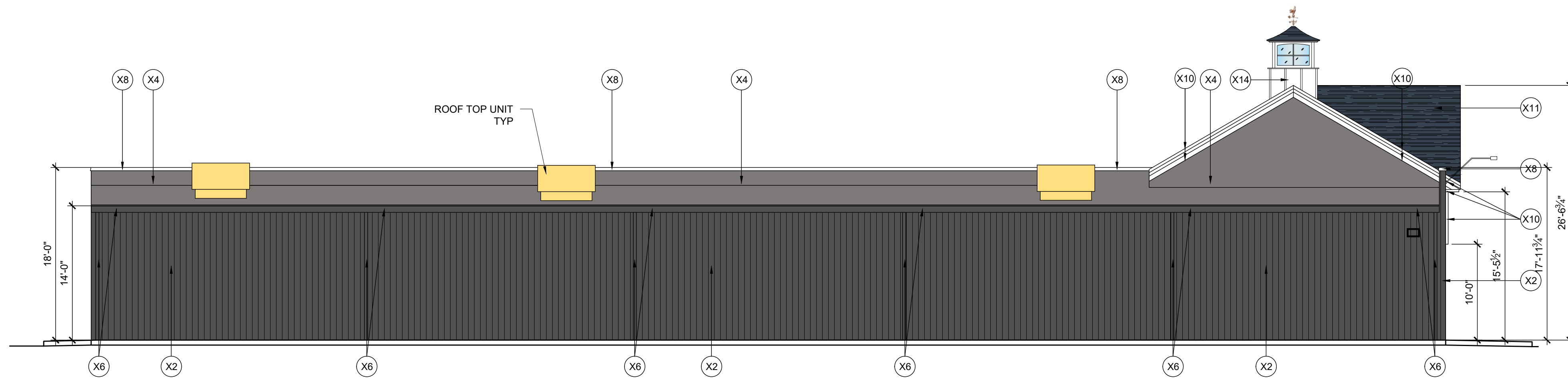
1 PROPOSED FLOOR PLAN
SCALE: 1/8"=1'-0"



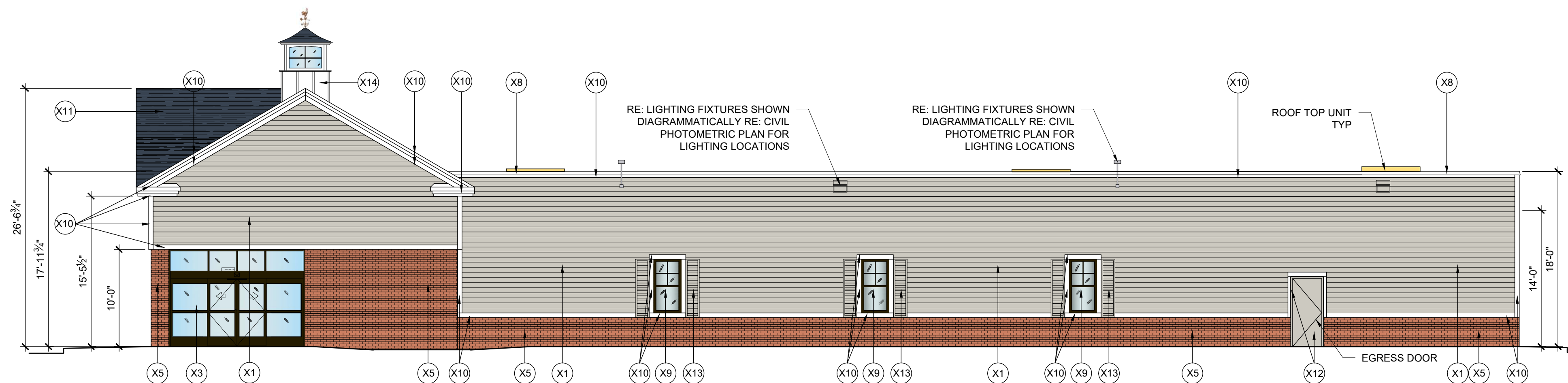
1 PROPOSED REAR ELEVATION
SCALE: 1/8"-1'-0"



2 PROPOSED FRONT ELEVATION (Lake Rd.)
SCALE: 1/8"-1'-0"



3 PROPOSED SIDE ELEVATION (Roof Drain Side)
SCALE: 1/8"-1'-0"



4 PROPOSED SIDE ELEVATION (Us Rt. 6)
SCALE: 1/8"-1'-0"

EXTERIOR FINISH SCHEDULE			
TAG	MATERIAL/ MFG.	COLOR/ NO.	NOTES
X1	HARDIE-BOARD LAPBOARD	COLOR: PEARL GREY	PRE-FINISHED
X2	STANDARD METAL PANEL	COLOR: CHARCOAL GRAY	FINISH BY PEMB
X3	STANDARD ENTRY DOORS	COLOR: DARK BRONZE	PRE-FINISHED SLIDING DOORS
X4	EPDM ROOF MEMBRANE	COLOR: BLACK	PREFINISHED
X5	THIN BRICK MASONRY	COLOR: TAVERN FLASH	PREFINISHED
X6	MTL GUTTERS, DOWNSPOUTS	COLOR: CHARCOAL GRAY	FINISH BY PEMB
X7	MTL COPING	COLOR: CHARCOAL GRAY	FINISH BY PEMB
X8	MTL COPING	COLOR: ARCTIC WHITE	FINISH BY PEMB
X9	STOREFRONT AS SCHEDULED	COLOR: DARK BRONZE	LIGHT GRAY SPANDREL
X10	HARDIE TRIM	COLOR: WHITE TO MATCH X8	PAINTED
X11	ASPHALT SHINGLES	COLOR: PEWTER GREY	GAF TIMBERLINE
X12	METAL DOOR & FRAME	COLOR: TO MATCH X2	PAINTED
X13	PRE-FAB SHUTTERS	COLOR: TO MATCH X1	PAINTED
X14	PRE-FAB COPULA	COLOR: WHITE	GC TO CLAD WITH X11