

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'

CONTENTS

	TITLE SHEET
AL-1	ALTA/ACSM LAND TITLE SURVEY (SHEET 1 OF 2)
AL-1	ALTA/ACSM LAND TITLE SURVEY (SHEET 2 OF 2)
GN-1	GENERAL NOTES
OP-1	OVERALL SITE PLAN
DM-1	DEMOLITION PLAN
SP-1	SITE PLAN
TT-1	TRUCK TURN PLAN (WB-67)
GD-1	GRADING AND DRAINAGE PLAN
SU-1	SITE UTILITIES PLAN
SS-1 TO SS-2	SEPTIC SYSTEM DETAILS
EC-1	SEDIMENT AND EROSION CONTROL PLAN
EC-2	SEDIMENT AND EROSION CONTROL NOTES
LL-1	LANDSCAPE PLAN
LL-2	LANDSCAPE NOTES AND DETAILS
DN-1 TO DN-11	DETAILS SHEET
	LIGHTING PLAN (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

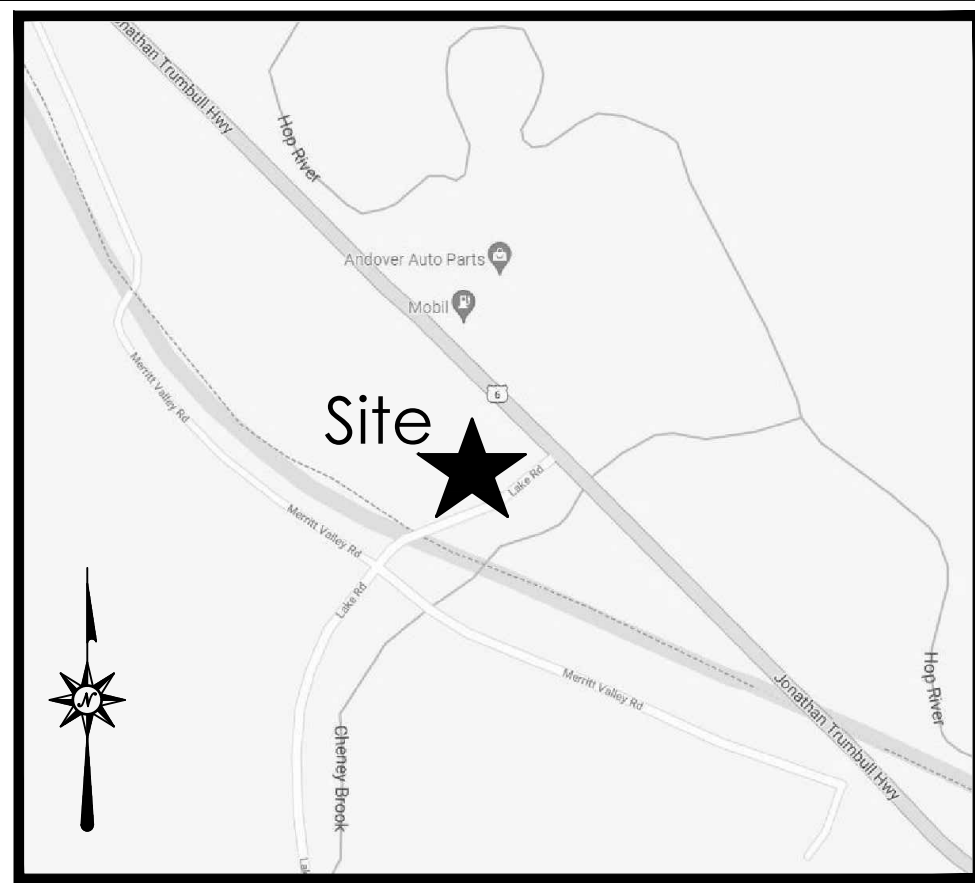
DATES

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)

SUBCONSULTANTS:

STONES RIVER ELECTRIC - LIGHTING PLAN





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:

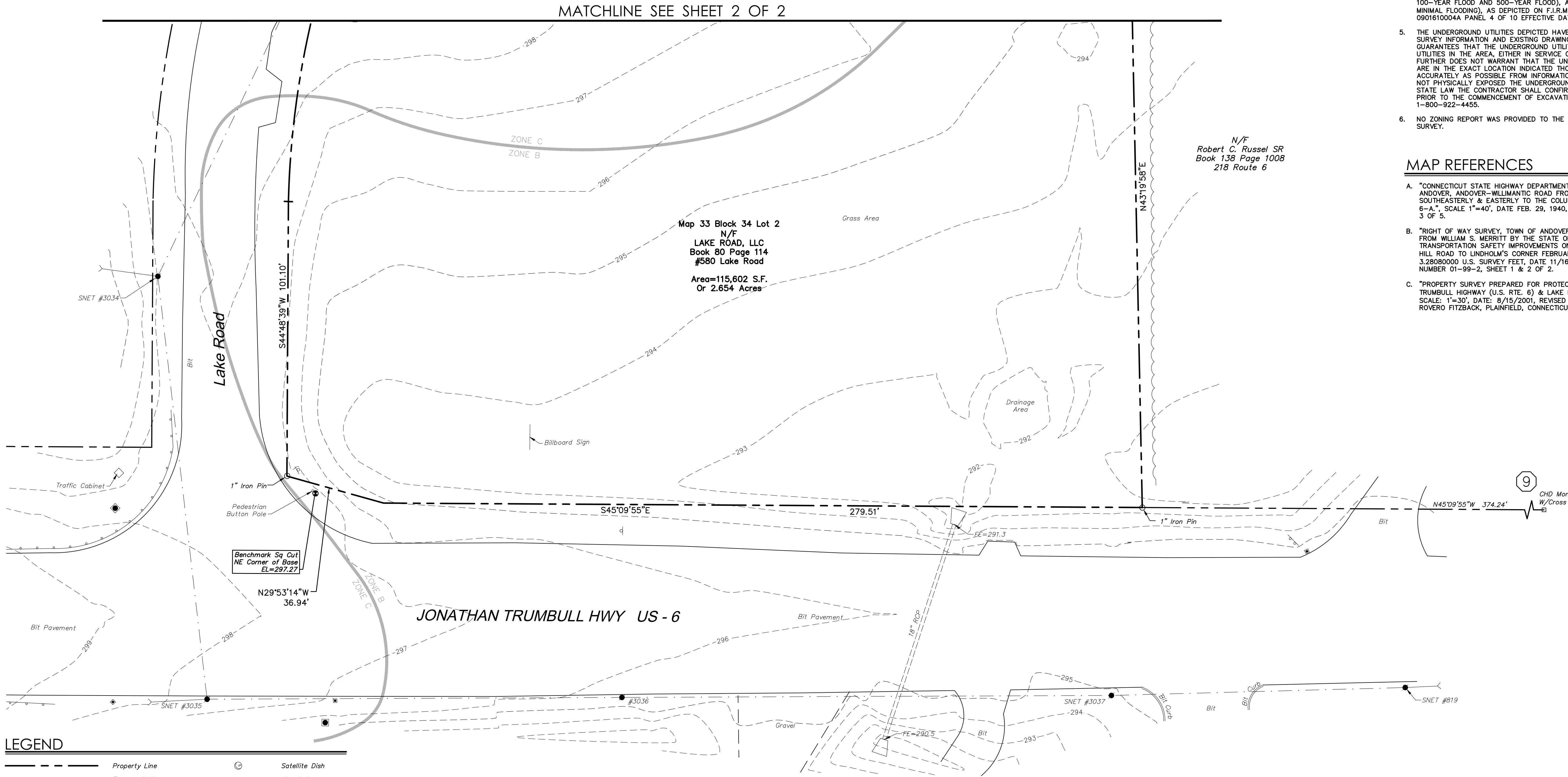
BEGINNING AT AN IRON PIN IN THE SOUTHWESTERLY LINE OF JONATHAN TRUMBULL HIGHWAY MARKING THE INTERSECTION OF PROPERTY NOW OR FORMERLY OF ROBERT C. RUSSELL; THENCE RUNNING S 45 DEGREES 09' 55" E A DISTANCE OF 279.51 FEET ALONG TRUMBULL HIGHWAY TO A CHD PT; THENCE RUNNING S 29 DEGREES 53' 14" E A DISTANCE 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.
- 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)
- 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.
- 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.
- 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.
- NO ZONING REPORT WAS PROVIDED TO THE SURVEYOR AT THE TIME OF THE SURVEY.

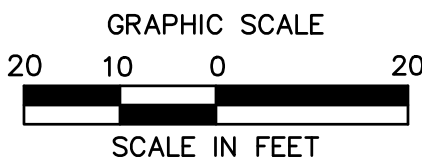
MAP REFERENCES

- "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. 3,280,800.00 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
No. Date Desc.

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

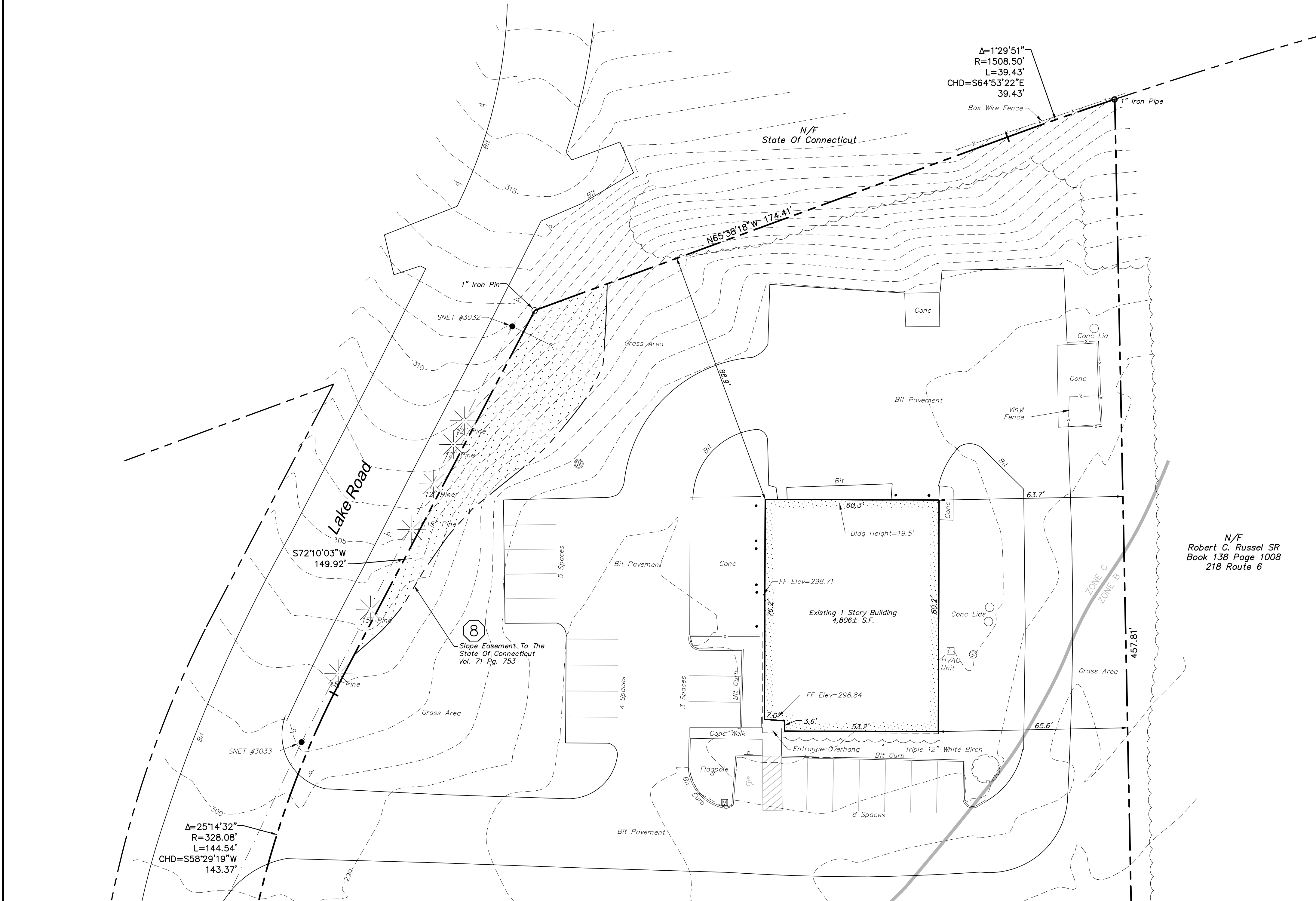
Title
ALTA/NSPS
LAND TITLE
SURVEY

Sheet No. 1 Of 2

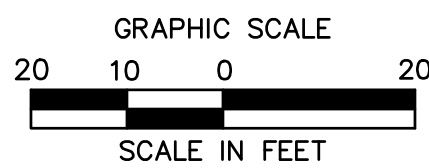
AL-1

Xref (g) : XY210172601

Jan 25, 2022 12:25pm e:\projects\G:\008321\163101726\DWG\AL210172601.dwg
Layout: AL-1 14X9.25X9.25



MATCHLINE SEE SHEET 1 OF 2



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



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

REVISIONS		Date	Desc.
No.			
1	Surveyed	NS	
2	Drawn	KS	
3	Reviewed	PJC	
4	Scale	1"=20'	
5	Project No.	2101726	
6	Date	10/18/2021	
7	Field Book	563	
8	CAD File:	AL210172601	

Title
ALTA/NSPS
LAND TITLE
SURVEY

Sheet No. 2 Of 2

AL-1

Xref (g): XY210172601

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





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

Title

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


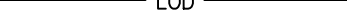



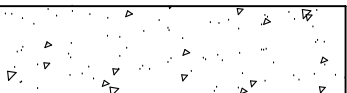

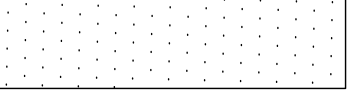



ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	BUILDING SIZE	1,000 S.F.	10,640 S.F.	NO
2	MINIMUM PARKING REQUIRED	DETAIL: MIN. 2 SPACES PER EVERY 1,000 S.F. OF GROSS FLOOR AREA (10,640 S.F.) TOTAL REQUIRED = 22	35 SPACES	NO
3	MAXIMUM PARKING REQUIRED	DETAIL: MAX. 5 SPACES PER EVERY 1,000 S.F. OF GROSS 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	

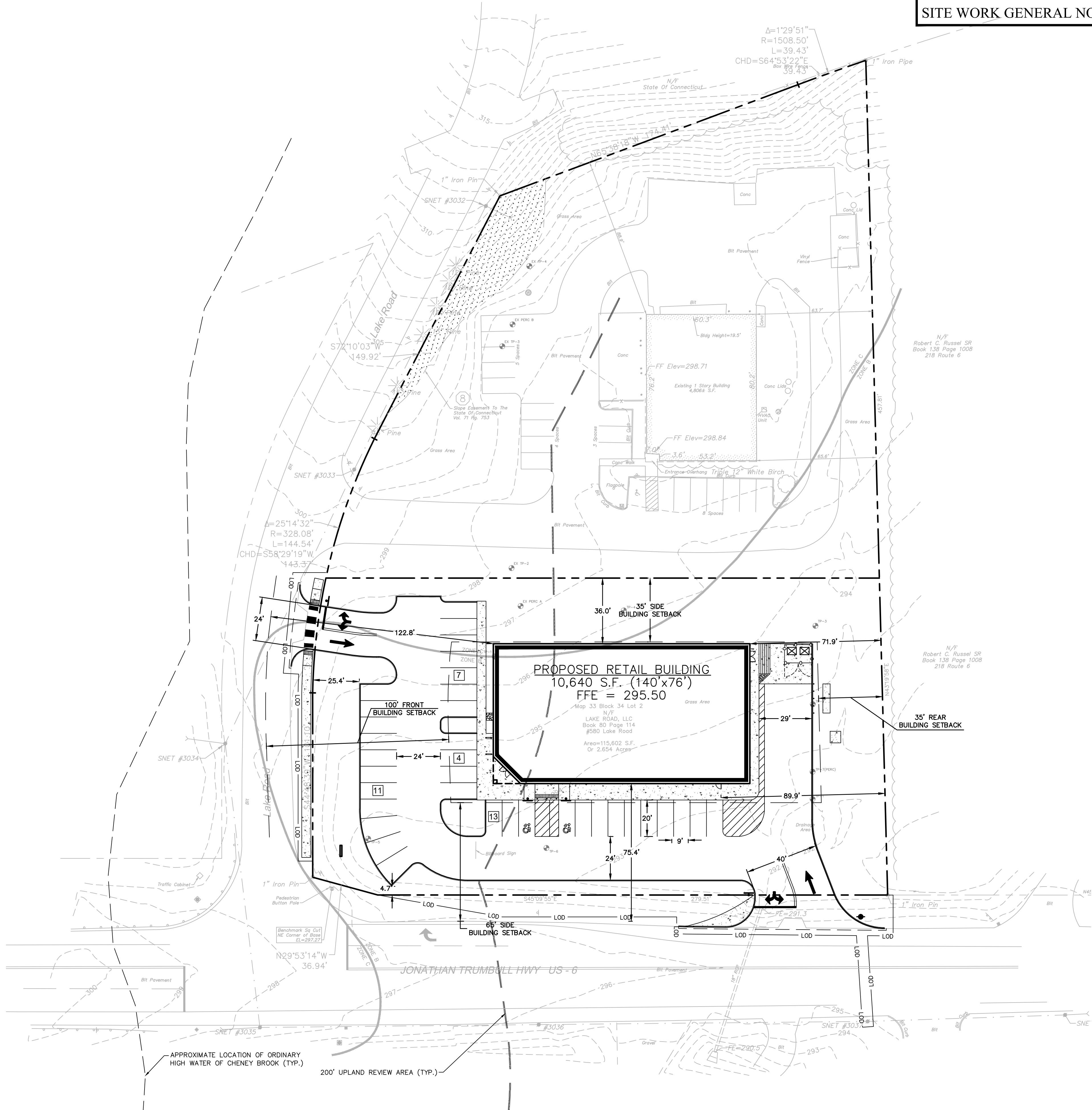
- NOTE:
1. HANDICAPPED SIGNS TO BE INSTALLED IN PIPE BOLLARDS (SEE DETAIL). ALL HANDICAP SIGNAGE TO CONFORM TO THE LATEST BUILDING CODE.
2. ANY SIGN POSTED IN THE STATE RIGHT OF WAY MUST CONFORM TO THE STATE STANDARDS FOR HEIGHT, BREAKAWAY POSTS, RETROREFLECTIVITY, ETC.

SITE PLAN LEGEND

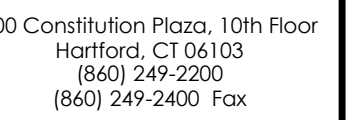
	PROPERTY LINE
	LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
	PAVEMENT SAWCUT LINE
	PROVIDE AND INSTALL BITUMINOUS CONCRETE CURB
	6" HIGH BLACK VINYL COATED CHAIN LINK TRASH ENCLOSURE FENCE WITH PRIVACY SLATS AND GATE
	PROVIDE AND INSTALL CONCRETE PAVEMENT STRUCTURE, CONCRETE PAD, OR MONOLITHIC 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
NOT RELEASED FOR CONSTRUCTION

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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 CDTOT COMMENTS

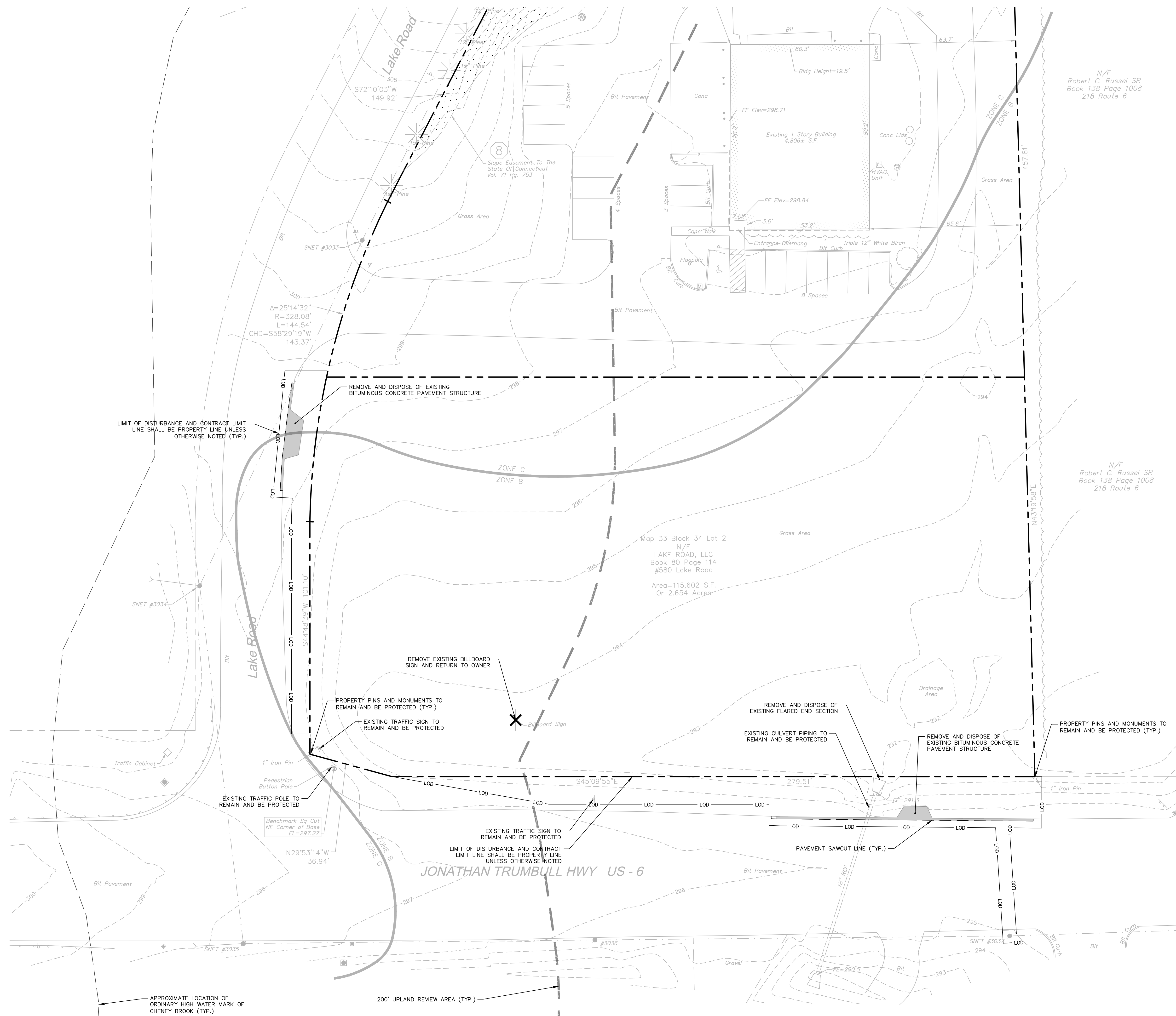
Designed	S.E.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	1"=20'
Project No.	2101726
Date	11/18/2021

AD File:
DM210172601

DEMOLITION PLAN

Sheet No. _____

DM-1



I:\26\2022, SCOSTAGLIOLA, G:\JOBS2\16\2101726\DWG\DM210172601.DWG.DM-1 24X36 20SC.

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES, INC.

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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

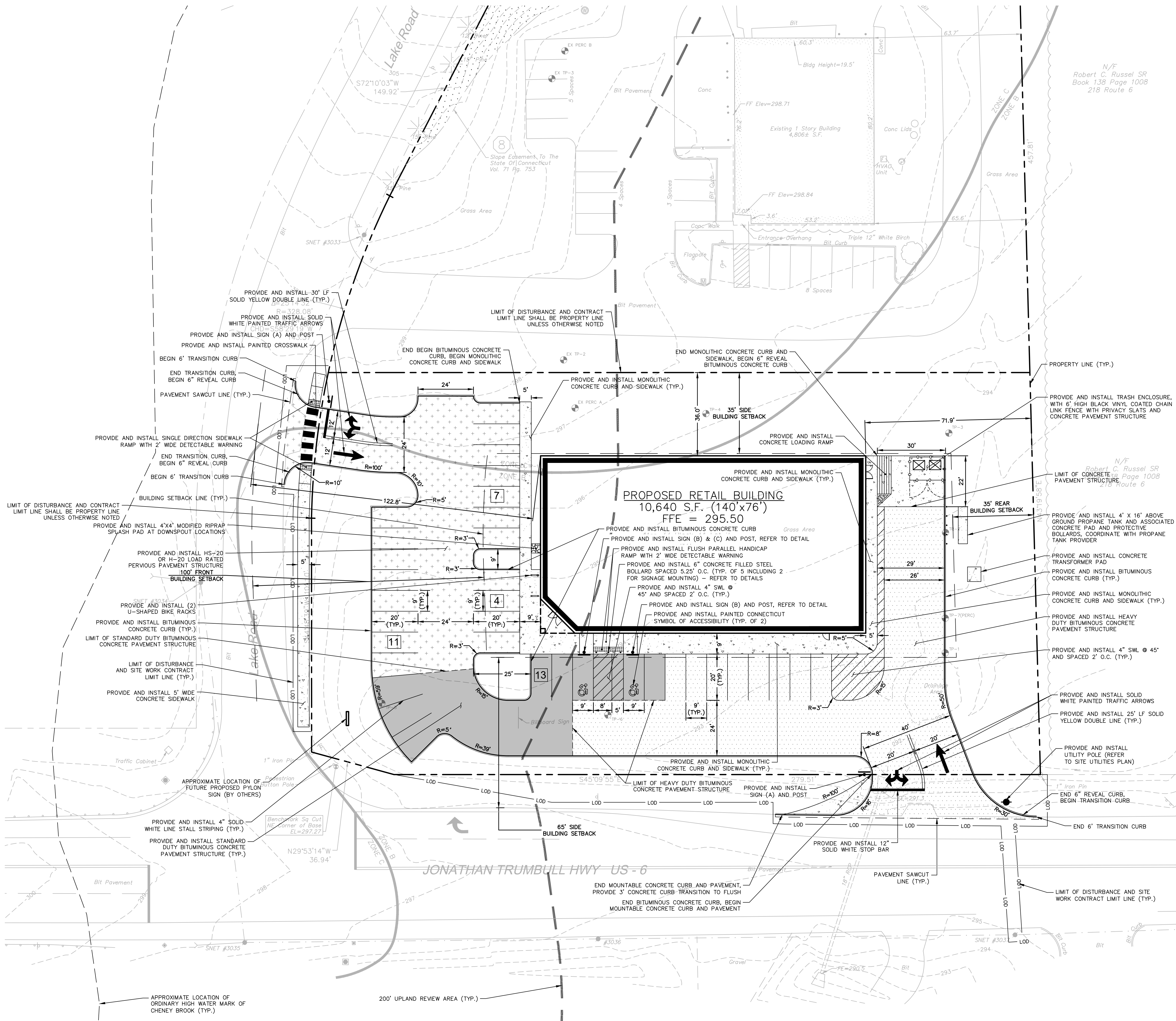
REVISIONS
Date
12/10/2021
No.
1
2
3
Desc.
REVISED PER HEALTH DISTRICT COMMENTS
REVISED PER TOWN COMMENTS
REVISED PER CTDOT COMMENTS

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

SITE PLAN

Sheet No.

SP-1



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 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



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

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

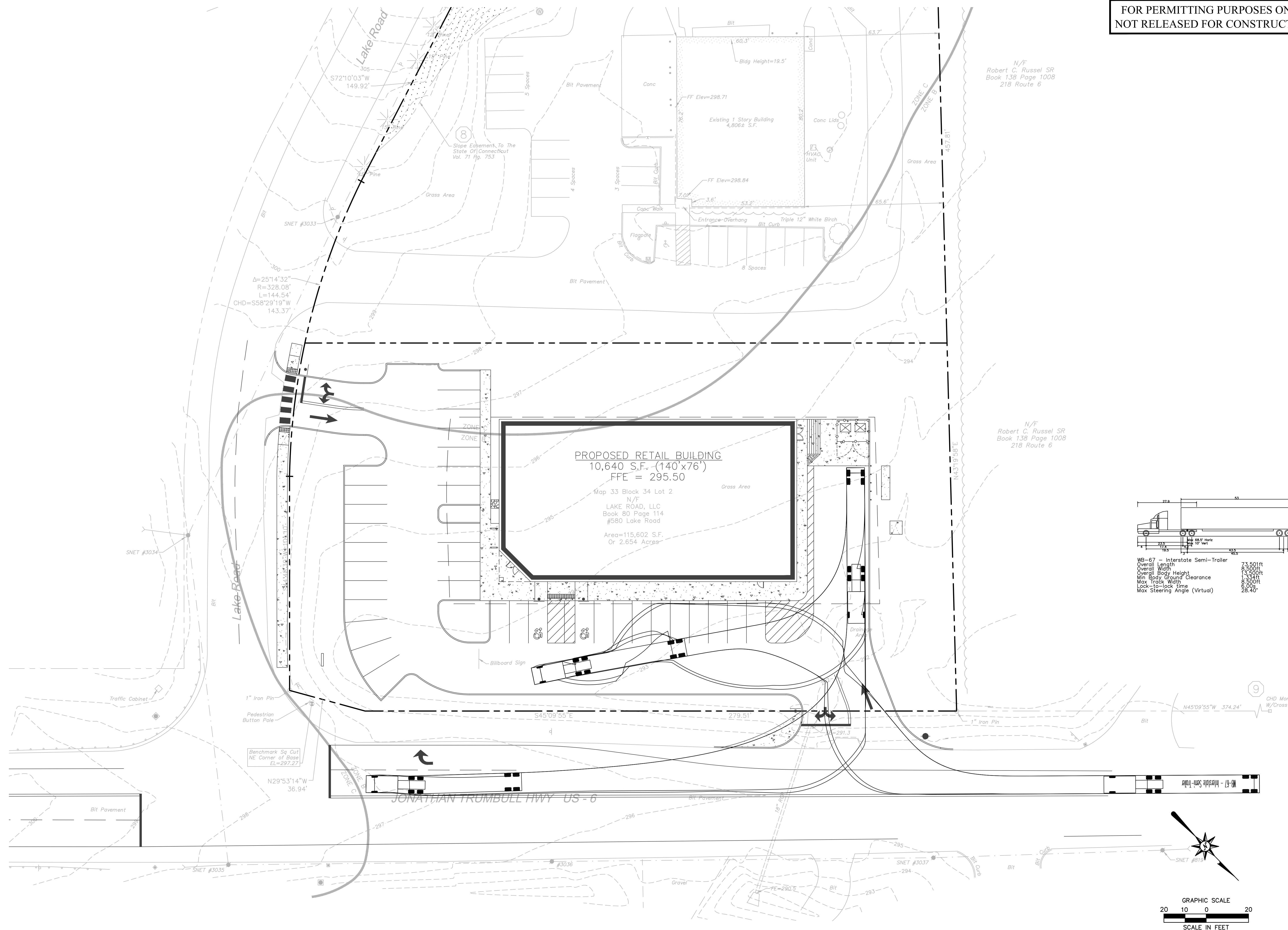
Designed	S.E.I.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	1"=20'
Project No.	2101726
Date	11/18/2021

Title

**TRUCK TURN
PLAN (WB-67)**

Sheet No _____

TT-1



FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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

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

CAD File:
GD210172601

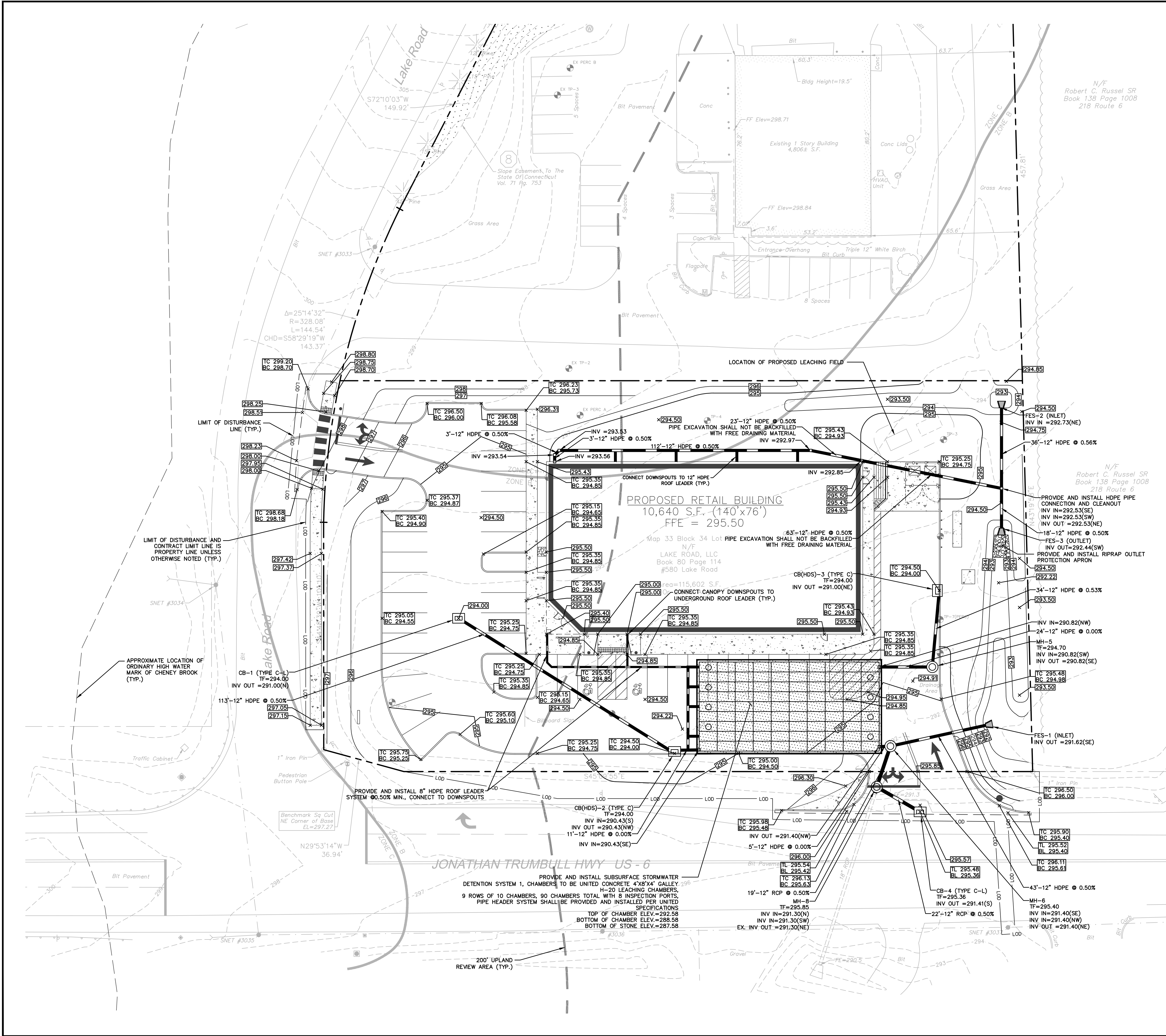
Title

GRADING AND DRAINAGE PLAN

Sheet No.

GD-1

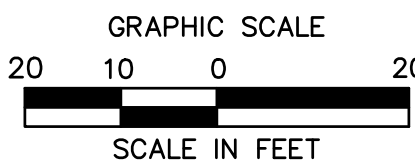
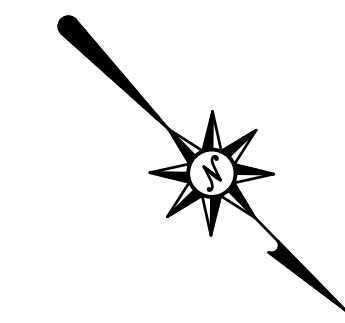
1/24/2022 SCOTTA/ELIOKA, CA\208251\1\2101726\DWG\GD210172601.DWG (SD: 1, 24K, 250C)



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 |
| BC | SPOT GRADE ABBREVIATIONS |
| TC | BOTTOM OF CURB |
| MEX | TOP OF CURB |
| | MEET EXISTING CONDITION |

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



FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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

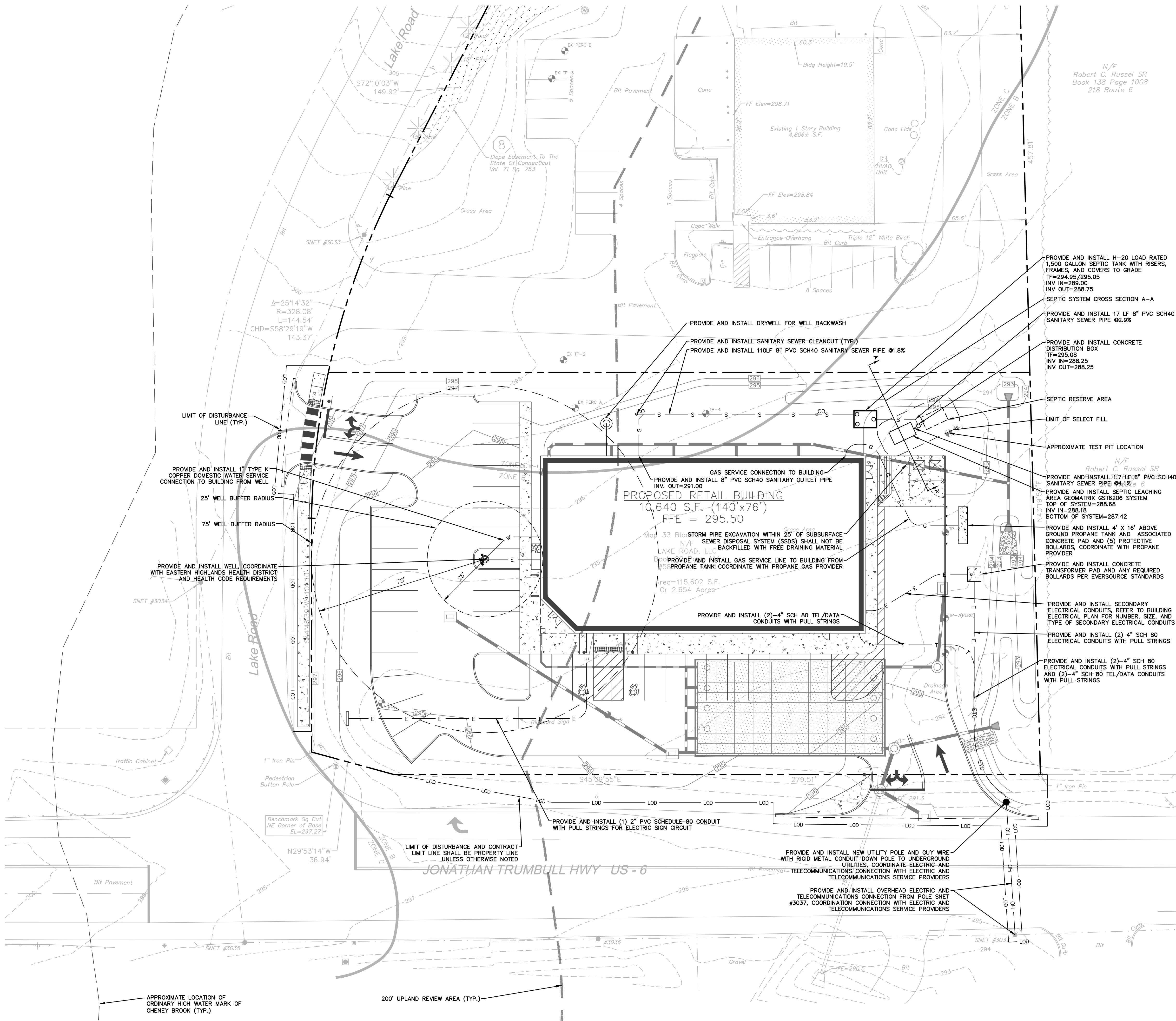
REVISIONS	
Desc.	REVISED PER HEALTH DISTRICT COMMENTS
Date	12/10/2021
No.	1
	2
	3

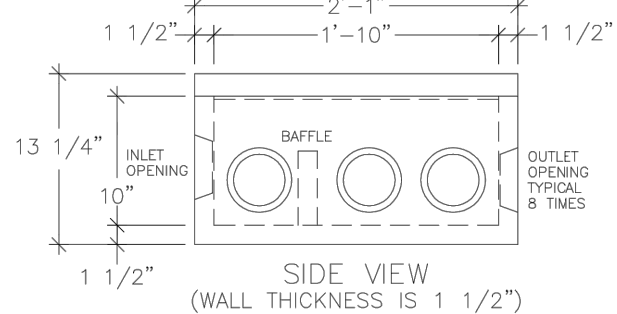
Designed	S.E.L.
Drawn	Z.T.Z.
Reviewed	J.A.B.
Scale	1"=20'
Project No.	2101726
Date	11/18/2021
CAD File:	SU210172601

**SITE UTILITIES
PLAN**

Sheet No.

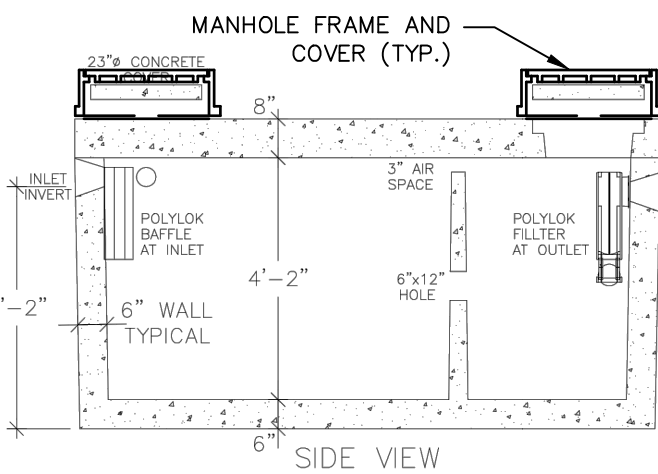
SU-1





CONCRETE DISTRIBUTION BOX

N.T.S



1,500 GALLON SEPTIC TANK

N.T.S



SEPTIC SYSTEM MANHOLE FRAME AND COVER

N.T.S



SEPTIC SYSTEM CROSS SECTION (SECTION A-A)

CTDP Approved

Filter Fabric

Minimum 1/2" crushed aggregate fill - maximum particle size of 1.5" and less than 10% fines passing #200 sieve (loosely rolled)

Distribution Pipe

CT DOT No. 6 stone (3/4" 2" over top of pipe)

ASTM C-33 Sand or approved equivalent

3"

4"

62"

*Pipe

*H

*H=

Size	Material	Height
6"	GST6206	6"
12"	GST6212	12"
18"	GST6218	18"
24"	GST6224	24"
30"	GST6230	30"
36"	GST6236	36"

"Distribution Pipe: 6" PVC SCH40
SDR 35 or Schd. 40, ASTM D-1785 PVC pipe for gravity applications
Schd. 40, ASTM D-1785 PVC pipe for pressure applications

Copyright 2010 Geomatrix Systems, LLC
Manufactured under one or more of the following
US Patent Numbers 7,374,670, 7,465,380, 7,350,058
Other patents pending

GEOMATRIX ST LEACHING SYSTEM
H-20
Geomatrix Systems, LLC, Old Saybrook, CT
860-570-0720

Size	Material	Height
6"	GST6206	6"
12"	GST6212	12"
18"	GST6218	18"
24"	GST6224	24"
30"	GST6230	30"
36"	GST6236	36"

*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

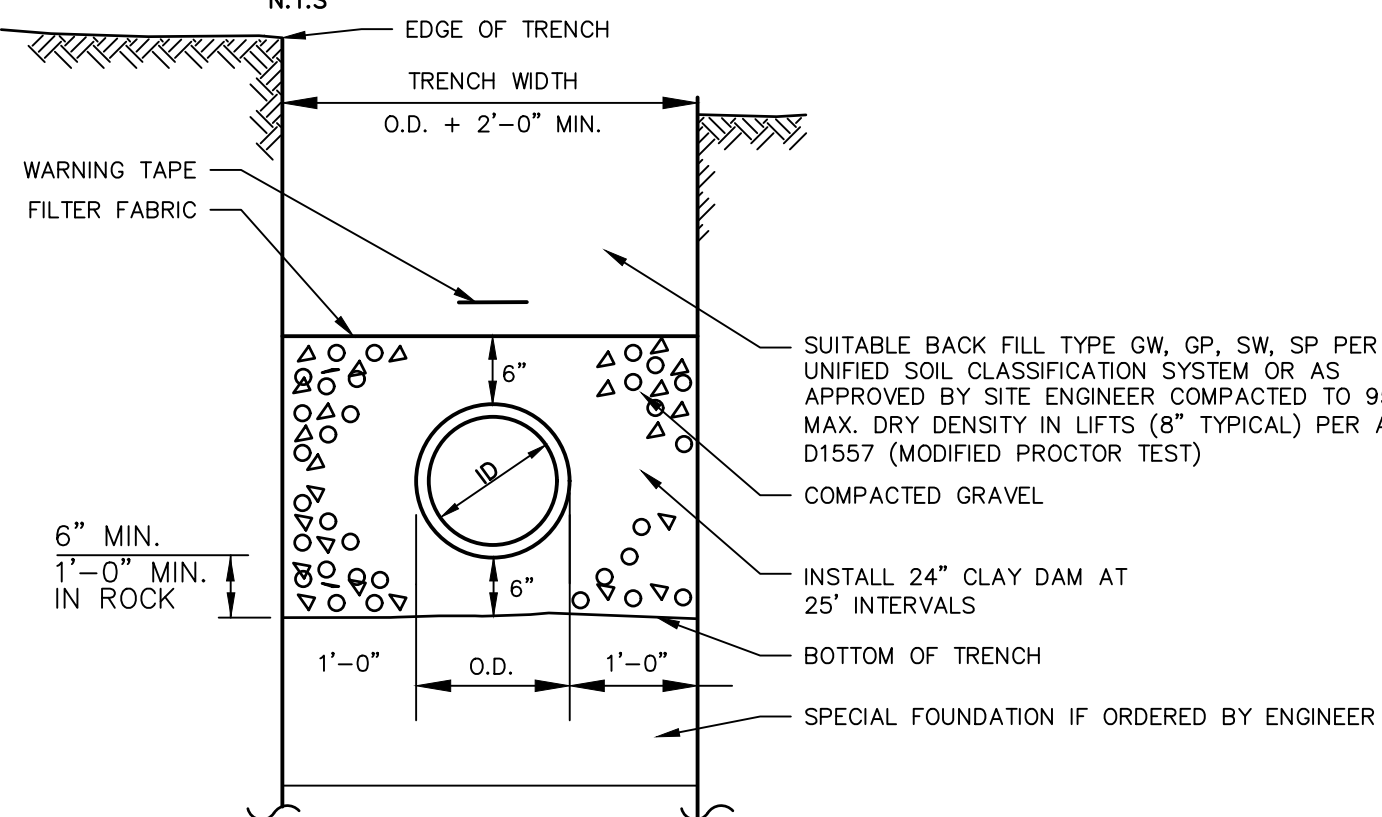
GEOMATRIX ST LEACHING SYSTEM
H-20

Geomatrix Systems, LLC., Old Saybrook, CT
 860-510-0730

NONE	REV.	0
11/16/2000	ACAD NO. GST H-20.DWG	
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 the #40 sieve can be increased to no greater than 75% if the percent passing #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.

Select fill that does not mix in the dry sieve gradation criteria but meets the wet sieve gradation criteria is acceptable. Sieve testing of select fill is required for large (2,000 GPD or greater) systems whenever 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 19-13-B103e (d) (6). The licensed installer is responsible for preparing the leaching area with necessary select fill. The topsoil 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

Plan View

6" (GST6206)

12" (GST6212)

18" (GST6218)

24" (GST6224)

30" (GST6230)

36" (GST6236)

25"

12"

Distribution pipe*

A

4"

4"

4"

124"

70"

CT DOT #6 stone

ASTM C-33 Sand
(or approved equivalent)

A'

Copyright 1997 GEOMATRIX, LLC
Pittsford, New York

GEOMATRIX ST LEACHING SYSTEM
Plan View

Geomatrix Systems, LLC, Killingworth, CT
880-663-3963

Scale	None	Date	07/25/98
Date	6/28/2007	Drawn By	SEP JLT
Drawn By	SEP	Check By	SEP

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

*4" I.D., ASTM D-3034, SDR 35 pipe for gravity applications
0.75" 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 LS 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

SS-1

ref(s) : BD210172601

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

_____	PROPERTY LINE
_____ LOD _____	LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE
_____	SAWCUT LINE
_____ > _____ > _____	TEMPORARY DIVERSION SWALE
_____	TEMPORARY SEDIMENT TRAP DRAINAGE AREA
_____ SF _____ SF _____	SILT FENCE BARRIER
_____	HAY BALES

Diagram illustrating various erosion control measures:

- 1. Silt sack inlet protection (SS)
- 2. Stone check dam
- 3. Concrete wash pit
- 4. Temporary material stockpile
- 5. Construction entrance
- 6. Erosion control blanket

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



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 CIDOT 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:	
EC210172601	

SEDIMENT AND EROSION CONTROL PLAN

Sheet No. _____

EC-1

1/24/2022 SC03A16106A CA-102851 1A-01017A-DWG-EC2 107172601 DWG-EC2 24x36

SEDIMENT AND EROSION CONTROL NOTES

SEDIMENT AND EROSION CONTROL NOTES – CONNECTICUT

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. 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:

- CONTACT MUNICIPALITY SOILS CONSERVATION DISTRICT OR INLAND WETLANDS COMMISSION AGENT AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION, CONSTRUCTION OR REGULATED ACTIVITY ON THIS PROJECT.
- CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE MUNICIPALITY SOILS CONSERVATION DISTRICT OR INLAND WETLANDS COMMISSION AGENT PRIOR TO THE START OF WORK ON THE SITE. INSTALL TREE PROTECTION AND PERIMETER SILT FENCE.
- CONSTRUCT STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS AT CONSTRUCTION ENTRANCES/EXITS AND INSTALL FILTER FABRIC AROUND GRATES OF CATCH BASINS OR INSTALL SILT SACKS ON CATCH BASIN INLETS ON OFF SITE ROADS. INSTALL SILT FENCE AND OTHER EROSION CONTROL DEVICES INDICATED ON THESE PLANS AT PERIMETER OF PROPOSED SITE DISTURBANCE AND INSTALL ALL EROSION CONTROL MEASURES AND TREE PROTECTION INDICATED ON THESE PLANS. INSTALL SEDIMENT BASINS AND SEDIMENT TRAPS IF REQUIRED AT LOW AREAS OF SITE OR AS ORDERED BY THE ENGINEER OR AS SHOWN ON THESE PLANS.
- CLEAR AND GRUB SITE. STOCKPILE CHIPS. STOCKPILE TOPSOIL. INSTALL SEDIMENT AND EROSION CONTROLS AT STOCKPILES.
- BUILDING AND SITE DEMOLITION AND REMOVAL. PAVEMENT REMOVAL.
- INSTALL SILT FENCE, CONSTRUCT DIVERSION SWALES AND SEDIMENT TRAPS. COMMENCE INSTALLATION OF STORM DRAINAGE SYSTEM.
- COMMENCE EARTHWORK. CONSTRUCT FILL SLOPE AND INSTALL ADDITIONAL SEDIMENT AND EROSION CONTROLS AS WORK PROGRESSES AND CONTINUE STORM DRAINAGE SYSTEM CONSTRUCTION, TOPSOIL AND SEED SLOPES WHICH HAVE ACHIEVED FINAL SITE GRADING.
- CONSTRUCTION STAKING OF ALL BUILDING CORNERS, UTILITIES, ACCESS DRIVES, AND PARKING AREAS.
- ROUGH GRADING AND FILLING OF SUBGRADES AND SLOPES.
- 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.
- BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE CONTRACTOR MUST PROVIDE EVIDENCE THAT EACH SPOIL OR BORROW AREA HAS A SEDIMENT AND EROSION CONTROL PLAN APPROVED BY THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION AND WHICH IS BEING IMPLEMENTED AND MAINTAINED. THE CONTRACTOR SHALL ALSO NOTIFY THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION IN WRITING OF ALL RECEIVING SPOIL AND BORROW AREAS WHEN THEY HAVE BEEN IDENTIFIED.
- CONTINUE INSTALLATION OF STORM DRAINAGE AS SUBGRADE ELEVATIONS ARE ACHIEVED.
- BUILDING FOUNDATION SUBGRADE AND PAD SUBGRADE PREPARATION.
- BUILDING FOUNDATION CONSTRUCTION. BEGIN BUILDING SUPERSTRUCTURE.
- THROUGHOUT CONSTRUCTION SEQUENCE, REMOVE SEDIMENT FROM BEHIND SILT FENCES, HAY BALES AND OTHER EROSION CONTROL DEVICES, AND FROM SEDIMENT BASINS AND SEDIMENT TRAPS AS REQUIRED. REMOVAL SHALL BE ON A PERIODIC BASIS (EVERY SIGNIFICANT RAINFALL OF 0.25 INCH OR GREATER). INSPECTION OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE ON A WEEKLY BASIS AND AFTER EACH RAINFALL OF 0.25 INCHES OR GREATER. SEDIMENT COLLECTED SHALL BE DEPOSITED AND SPREAD EVENLY UPLAND ON SLOPES DURING CONSTRUCTION.
- INSTALL SANITARY LATERAL AND UTILITIES. COMPLETE STORM DRAINAGE SYSTEM.
- INSTALL SITE LIGHTING AND TRASH ENCLOSURE.
- COMPLETE GRADING TO SUBGRADES AND CONSTRUCT PARKING AREA SUBGRADE.
- CONSTRUCT CURBS, PAVEMENT STRUCTURE AND SIDEWALKS.
- CONDUCT FINE GRADING.
- PAVING OF PARKING AREAS AND DRIVEWAYS
- FINAL FINE GRADING OF SLOPE AND NON-PAVED AREAS.
- PLACE 4" TOPSOIL ON SLOPES AFTER FINAL GRADING IS COMPLETED. FERTILIZE SEED AND MULCH. SEED MIXTURE TO BE INSTALLED APRIL 15 – JUNE 1 USE EROSION CONTROL BLANKETS AS REQUIRED OR ORDERED FOR SLOPES GREATER THAN 3:1 AND AS SHOWN ON LANDSCAPE PLANS OR EROSION CONTROL PLANS. FOR TEMPORARY STABILIZATION BEYOND SEEDING DATES USE ANNUAL RYE AT 4.0 LBS/1,000 S.F. FERTILIZE WITH 10-10-10 AT 1.0 LBS. OF NITROGEN PER 1,000 S.F. AND LIME AT 100 LBS/1,000 S.F. (MAX.).
- LANDSCAPE ISLANDS, INTERIOR NON-PAVED AREAS, AND PERIMETER AREAS.
- INSTALL SIGNING AND PAVEMENT MARKINGS
- CLEAN STORM DRAINAGE PIPE STRUCTURES, DETENTION SYSTEMS AND WATER QUALITY DEVICES OF DEBRIS AND SEDIMENT.
- UPON DIRECTION OF THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION AGENT, SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED FOLLOWING STABILIZATION OF THE SITE.

OPERATION REQUIREMENTS

CLEARING AND GRUBBING OPERATIONS

- ALL SEDIMENT AND EROSION CONTROL MEASURES, INCLUDING THE CONSTRUCTION OF TEMPORARY SEDIMENTATION BASINS AND STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- FOLLOWING INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING, FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENT AND EROSION CONTROL DEVICES.
- FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR CRUSHED STONE AS SOON AS PRACTICAL.

ROUGH GRADING OPERATIONS

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

FILLING OPERATIONS

- 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.
- ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES 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 GEOTECHNICAL REPORT.
- 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.

- 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

- 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.
- 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 SEED, AND ANY ROAD OR DRIVEWAY SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- 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.
- 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 THE SITE IS STABLE AND HAS BEEN INSPECTED AND APPROVED BY THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

- SILTATION FENCE
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.
- 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

- 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.
- HAY BALES/STRAW BALES
A. ALL 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.
- 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.
D. SEDIMENT SHALL BE DISPOSED OF ON-SITE OR AS DIRECTED BY THE ENGINEER AND LOCAL GOVERNING OFFICIALS. SEE SEDIMENT AND EROSION CONTROL NOTES HEREIN REGARDING DISPOSAL REQUIREMENTS FOR OFF SITE SPOIL DISPOSAL.

SEDIMENT AND EROSION CONTROL PLAN

- 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.
- CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP CHANNELS. ENERGY DISSIPATORS WILL BE INSTALLED AS SHOWN ON THESE PLANS AND AS NECESSARY.
- 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.
- 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.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO DEMOLITION AND/OR CONSTRUCTION WHENEVER POSSIBLE.
- 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.
- 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.
- 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.
- THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFICATION OF THE MUNICIPALITY SOILS CONSERVATION DISTRICT AND/OR INLAND WETLANDS COMMISSION OFFICE OR AUTHORITY HAVING JURISDICTION OF ANY TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE SEDIMENT AND EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

SEDIMENT AND EROSION CONTROL NOTES

- 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.
- 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 ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES 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.
- 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 INQUIRIES TO THE MUNICIPALITY FOR INFORMATION ON THE METHOD, TYPE AND AMOUNT OF THE BOND POSTING UNLESS OTHERWISE DIRECTED BY THE OWNER.
- 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 POLLUTION. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
A) A SUMMARY OF THE SITE CONDITIONS, E&S BMPs, AND COMPLIANCE; AND
B) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION
- 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.
- 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. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

- 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.
- 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.
- 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.
- 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.
- 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.
- 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 SEED, IF PILE IS TO REMAIN IN PLACE FOR MORE THAN ONE (1) MONTH.
- 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.
- COMPLY WITH REQUIREMENTS OF CGS SECTION 22A 430B, FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
- 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.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (ONE WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEED, WITH TACKIFIER.
- MAINTAIN EXISTING PAVED AREAS FOR CONSTRUCTION STAGING FOR AS LONG AS POSSIBLE.
- 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.
- EXCAVATED MATERIAL FROM TEMPORARY SILT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
- INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE TENCATE ENVIROFENCE, 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.
- WHERE INDICATED ON SEDIMENT AND EROSION CONTROL PLANS USE NEW HAY/STRAW BALES AND REPLACE THEM WHENEVER THEIR CONDITION DETERIORATES BEYOND REASONABLE USABILITY. STAKE BALES SECURELY INTO GROUND AND BUTT TIGHTLY TOGETHER TO PREVENT UNDERCUTTING AND BYPASSING.
- INSTALL TEMPORARY DIVERSION DITCHES, PLUNGE POOLS, 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.
- DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY PITS, SEDIMENT TRAP, SEDIMENT BASINS OR GRASS FILTERS WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM DRAINAGE SYSTEM OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR.
- 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.
- 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.
- PERIODICALLY CHECK ACCUMULATED SEDIMENT LEVELS IN THE SEDIMENT BASINS AND SEDIMENT TRAPS DURING CONSTRUCTION AND CLEAN ACCUMULATED SILT WHEN NECESSARY OR WHEN ONE FOOT OF SEDIMENT HAS ACCUMULATED OR PER SPECIFIC 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.
- 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.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
- 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.
- 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.
- ANY STOCKPILES OF STRIPPED MATERIALS ARE TO BE PERIODICALLY SPRAYED WITH WATER OR A CRUSTING AGENT TO STABILIZE POTENTIALLY WIND-BLOWN MATERIAL. HAUL ROADS BOTH INTO AND AROUND THE SITE ARE TO BE SPRAYED AS NEEDED TO SUPPRESS DUST. TRUCKS HAULING IMPORT FILL MATERIAL ARE TO BE TARPED TO AID IN THE CONTROL OF AIRBORNE DUST. DURING HIGH WIND EVENTS (20 TO 30 MPH SUSTAINED) CONSTRUCTION ACTIVITY SHALL BE LIMITED OR CEASED IF DUST CANNOT BE CONTROLLED BY WETTING.
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% UNIFORM 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.
- 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) WITH AUTHORITY HAVING JURISDICTION RESPONSIBLE FOR REGULATING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER NPDES.

Architecture
Engineering
Environmental
Land Surveying



100 Constitution Plaza, 10th Floor
Hartford, CT 06183
(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

REVISIONS
Date
12/10/2021
1
2
3
01/28/2022

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

CAD File: EC210172601

Title

SEDIMENT AND
EROSION
CONTROL NOTES

Sheet No.

EC-2

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.



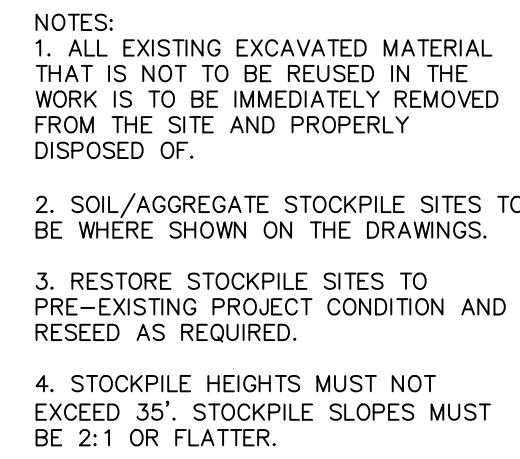
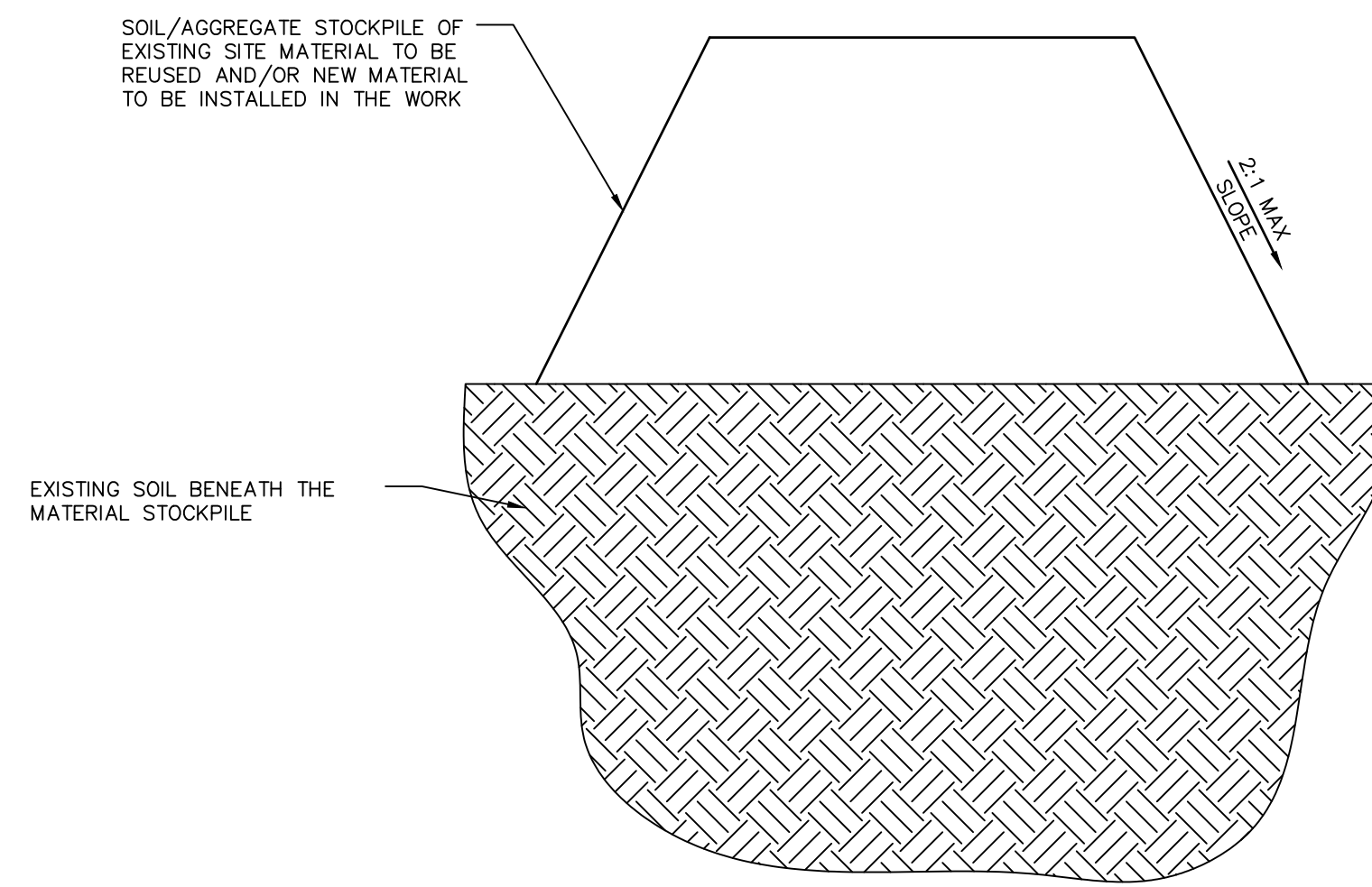
- N.T.S

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

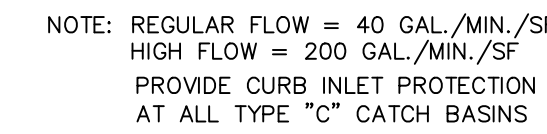


N.T.S

N.T.S



N.T.S. BLEC-006



N.T.S. BLEC-00





Architecture
Engineering
Environmental
Land Surveying

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

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

Sheet No. _____

DN-2

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

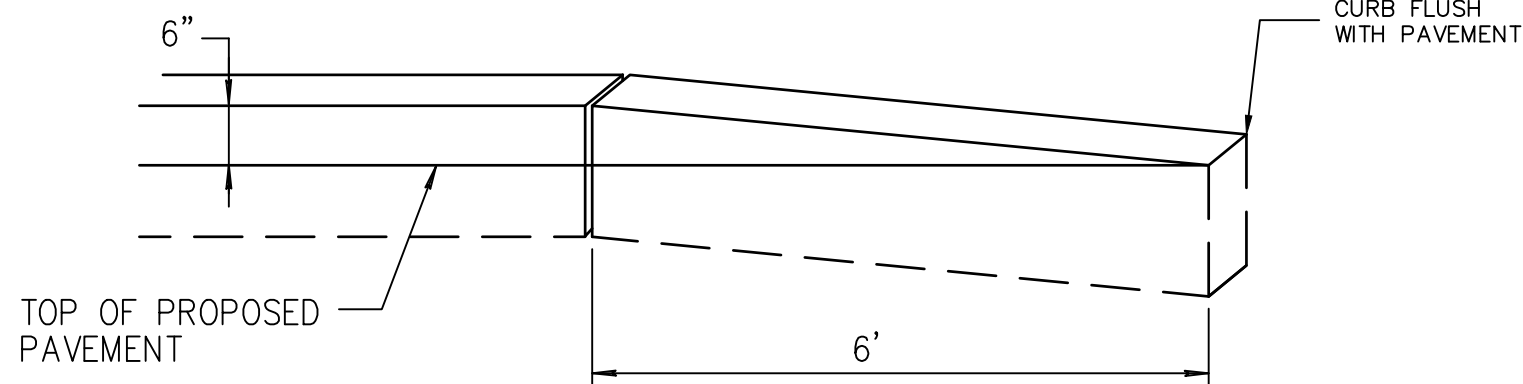


STANDARD SHEET NO.:
HW-211_01

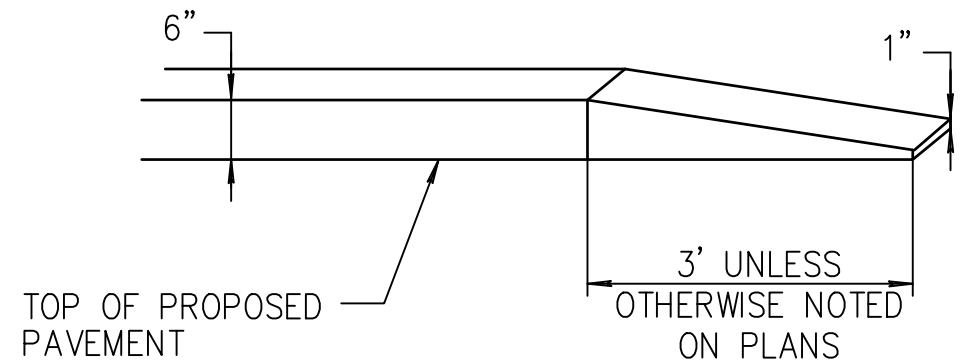
PLOTTED DATE: 10/29/2021

I:\26\2022, SCOSTAGLIOLA, G:\JOBS2\16\2101726\DWG\DN210172601.DWG, DN-2 24X36.

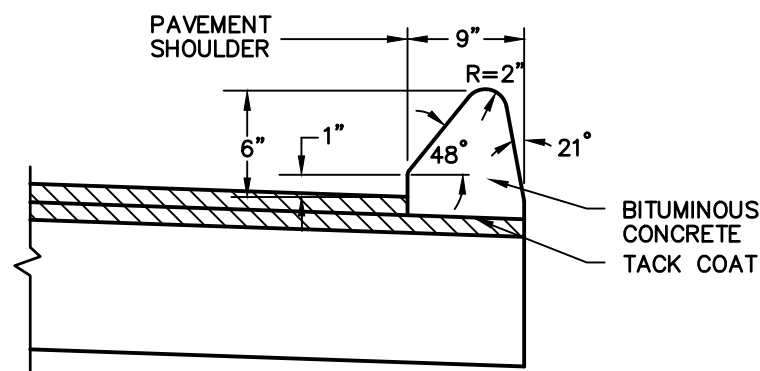
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES, INC.



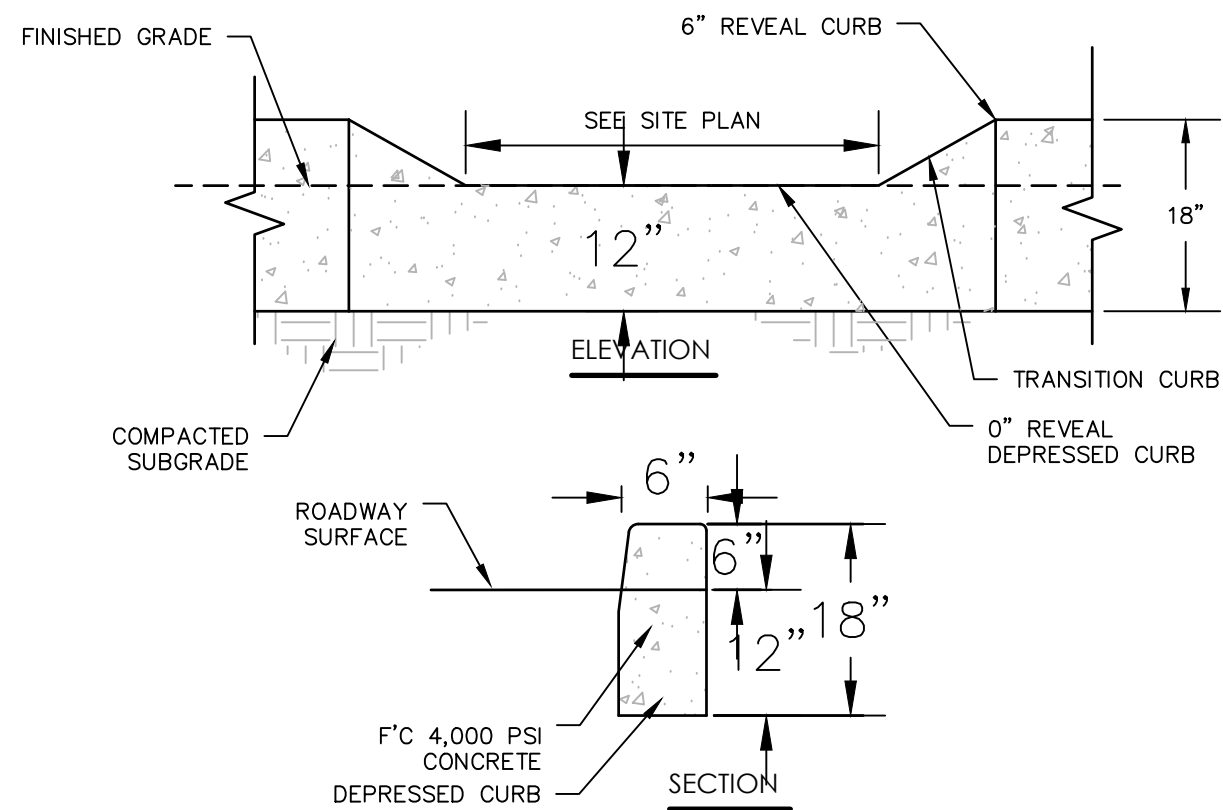
6' CONCRETE TRANSITION CURB
N.T.S.



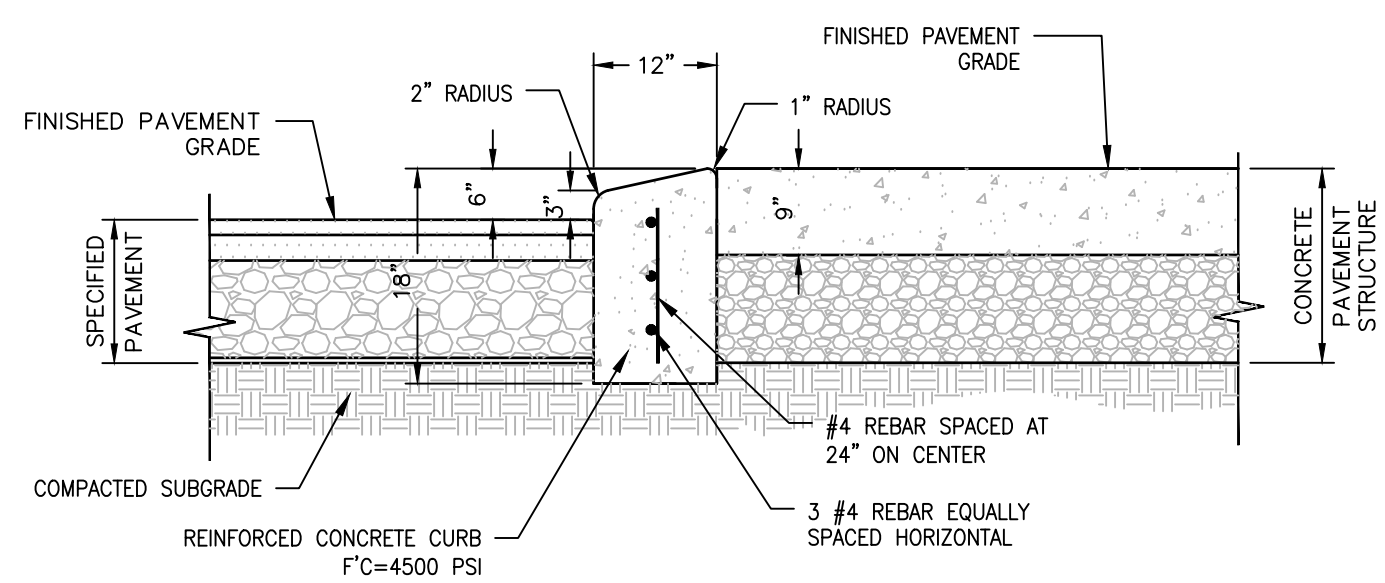
6' BITUMINOUS CONCRETE TRANSITION CURB
N.T.S.



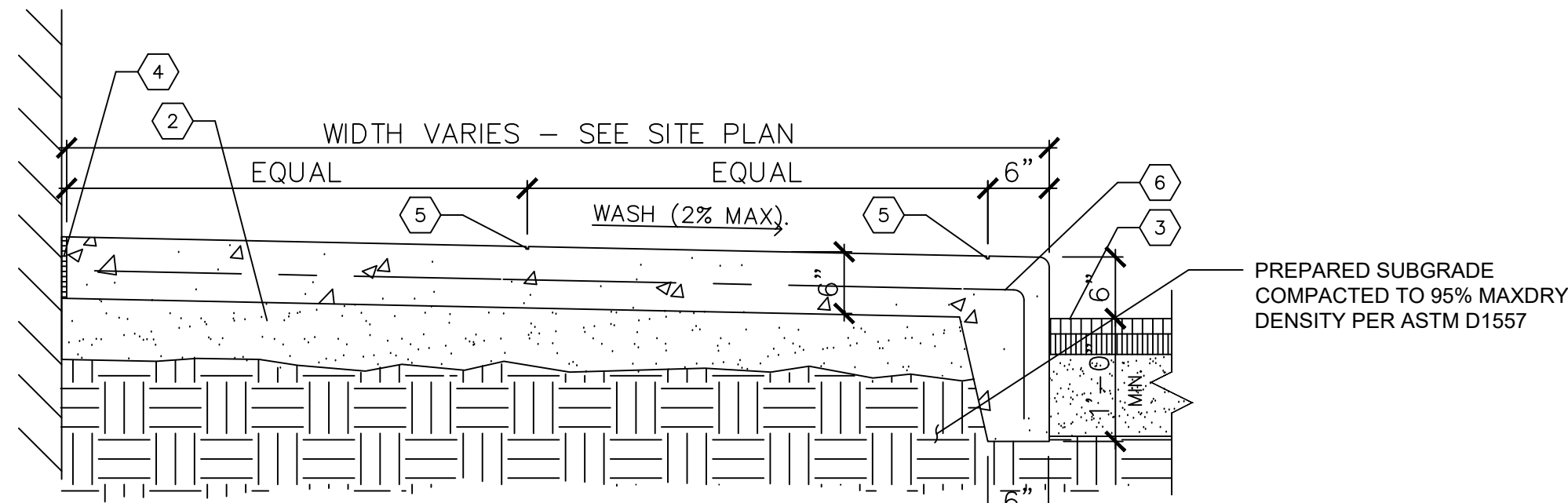
BITUMINOUS CONCRETE LIP CURBING
N.T.S.



6" REVEAL DEPRESSED/
CONCRETE CURB
N.T.S.

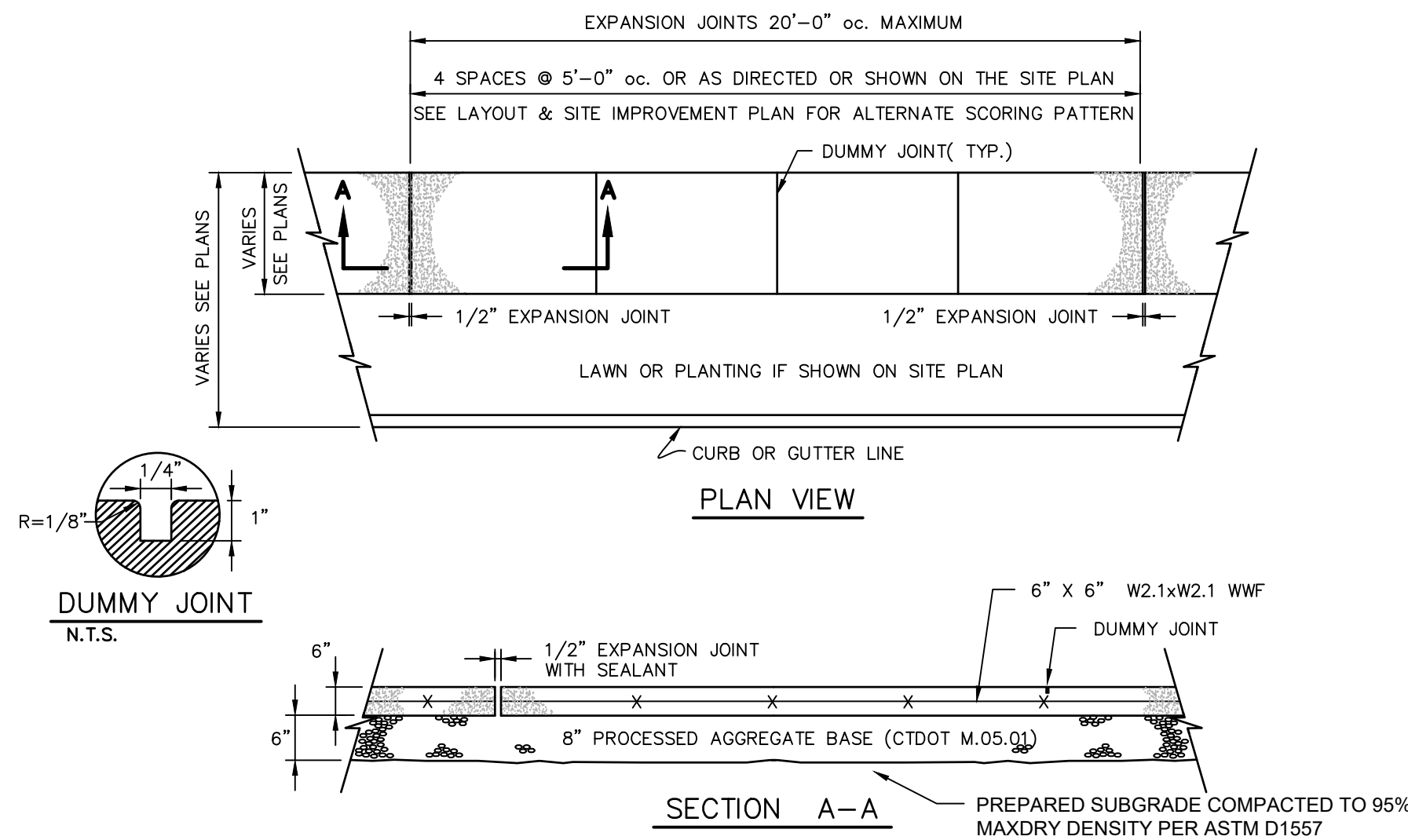


MOUNTABLE CONCRETE CURB
N.T.S.

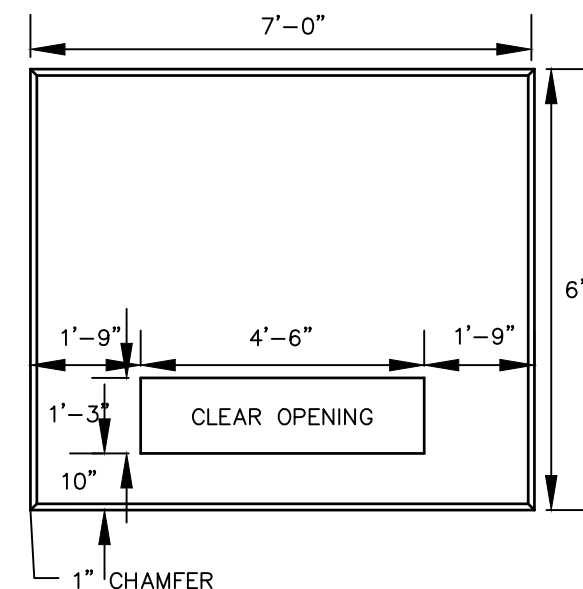


- KEYED NOTES
- 1 N/A
 - 2 6" PROCESSED AGGREGATE BASE COURSE CTDOT M.05.01
 - 3 PAVEMENT.
 - 4 COMPRESSIBLE FILLER (3/4" MAXIMUM). CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
 - 5 1/4" TOOLED JOINT 20' O.C. MAXIMUM. 1/4" TOOL JOINT 5' O.C. OR AS DIRECTED. CONCRETE TO BE 4,000 P.S.I.
 - 6 6" X 6" W2.1 X 2.1 W.W.F.

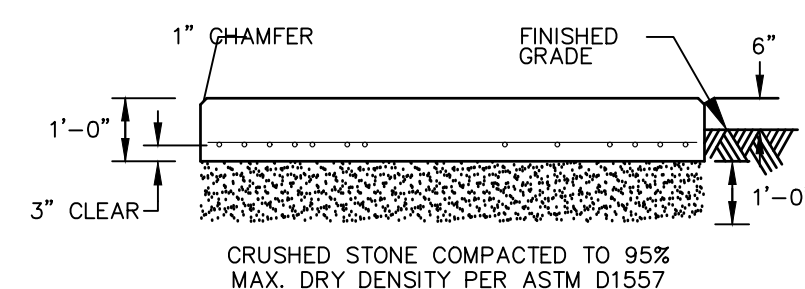
MONOLITHIC CONCRETE CURB AND
SIDEWALK DETAIL
N.T.S.



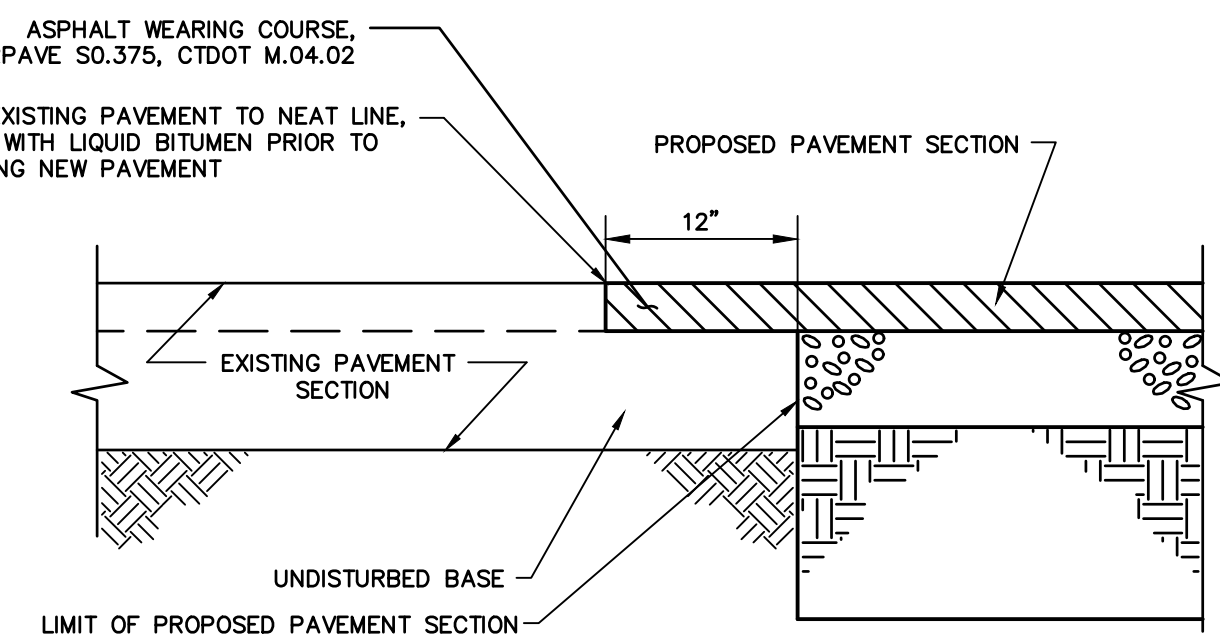
CONCRETE SIDEWALK DETAIL
N.T.S.



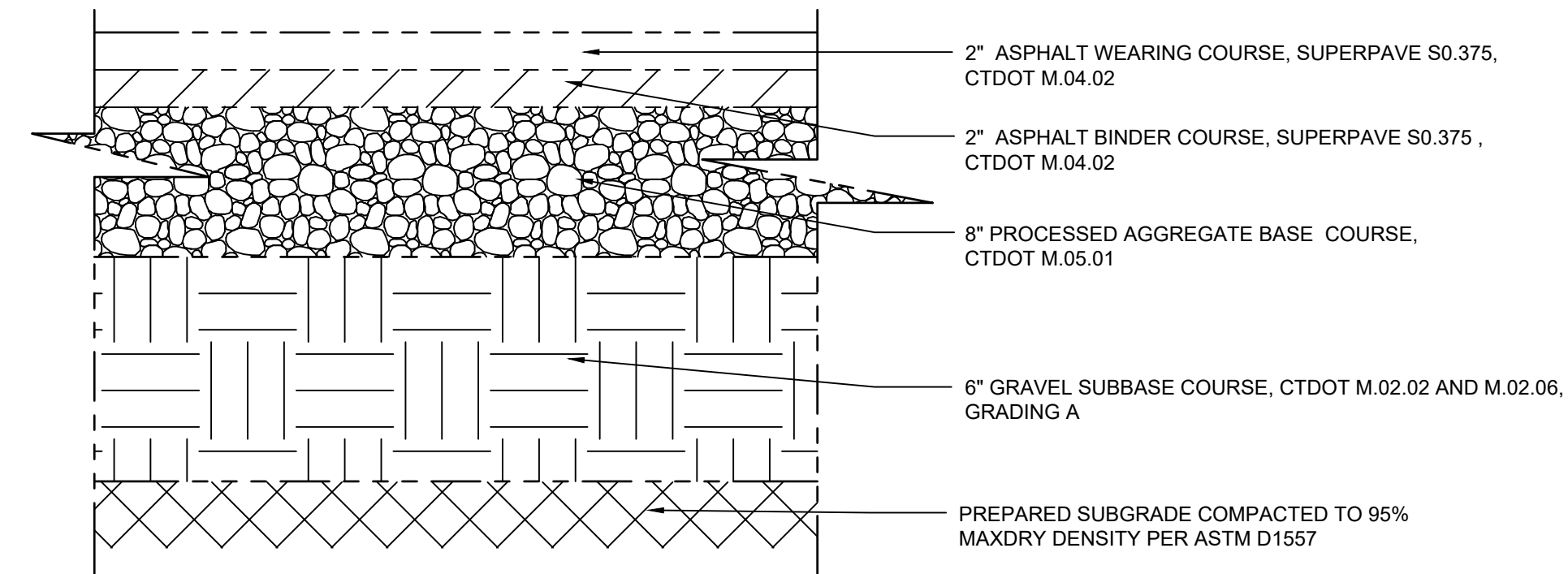
TRANSFORMER PAD
N.T.S.



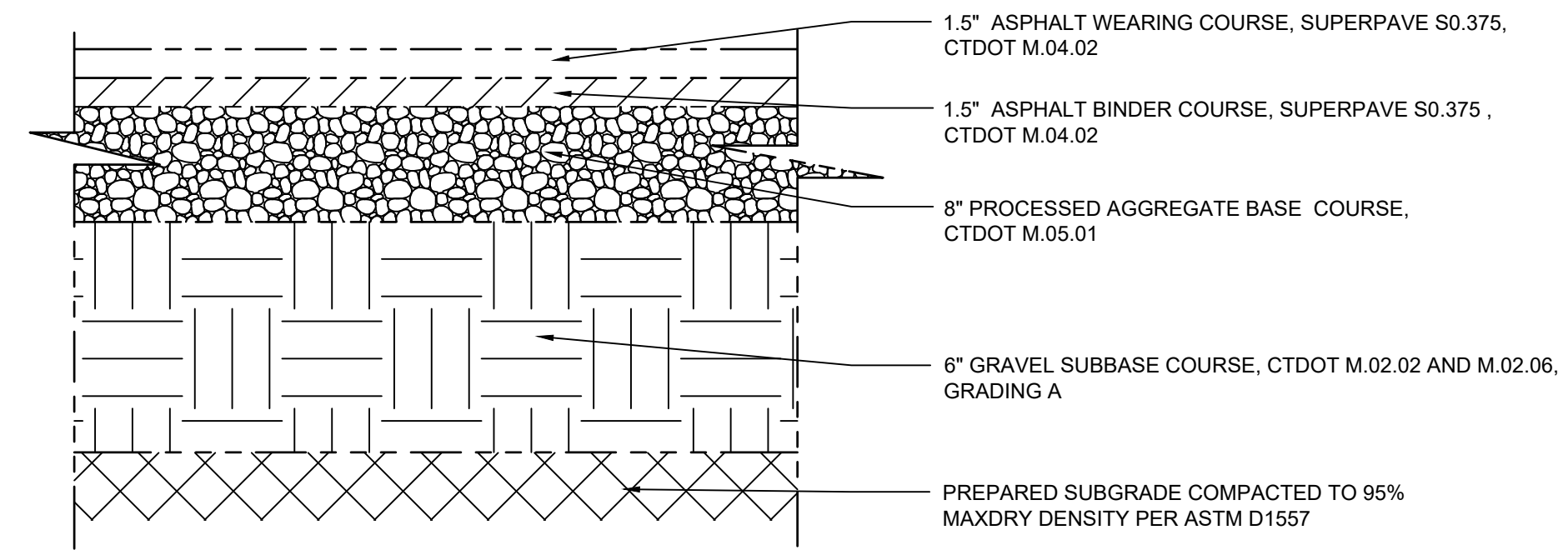
EDGE OF PAVEMENT DETAIL
N.T.S.



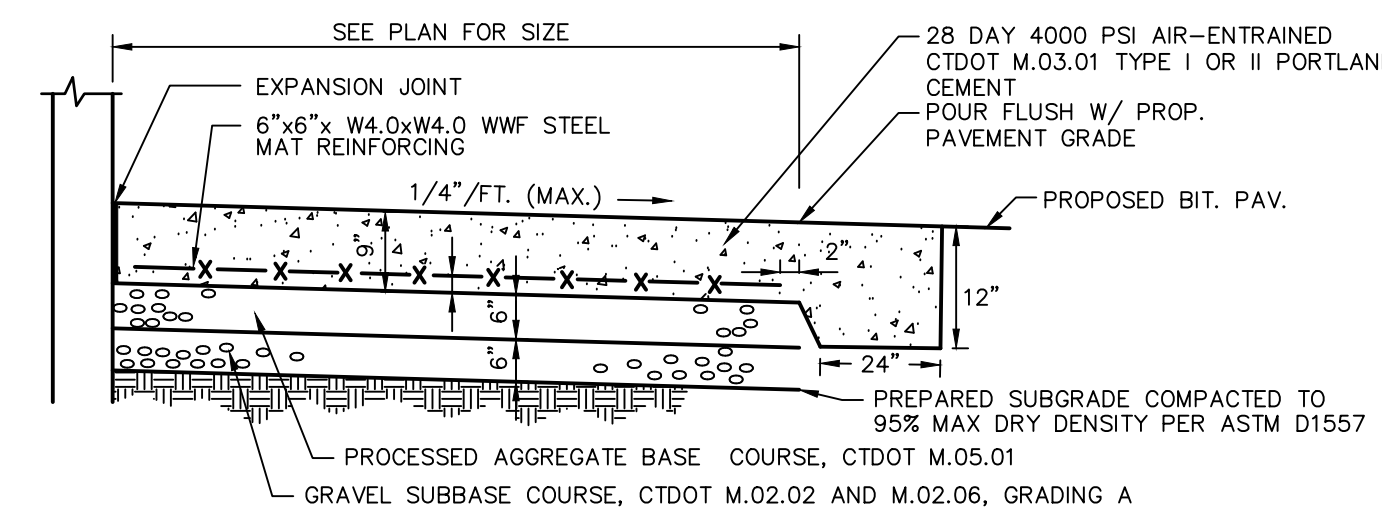
CONCRETE TRASH ENCLOSURE DUMPSTER
PAD AND CONCRETE PAVEMENT
N.T.S.



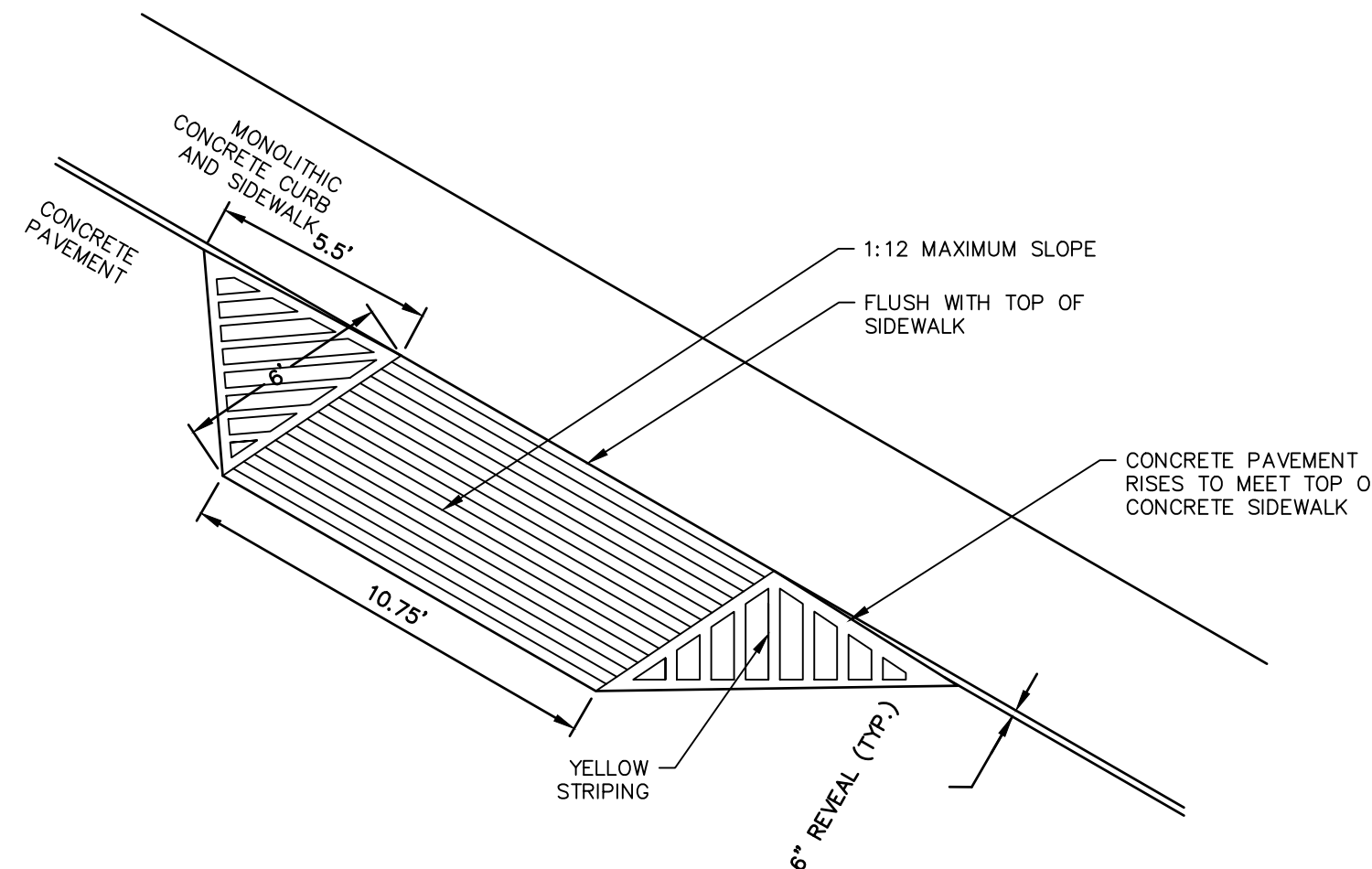
HEAVY DUTY BITUMINOUS CONCRETE
PAVEMENT STRUCTURE DETAIL
N.T.S.



STANDARD DUTY BITUMINOUS CONCRETE
PAVEMENT STRUCTURE DETAIL
N.T.S.

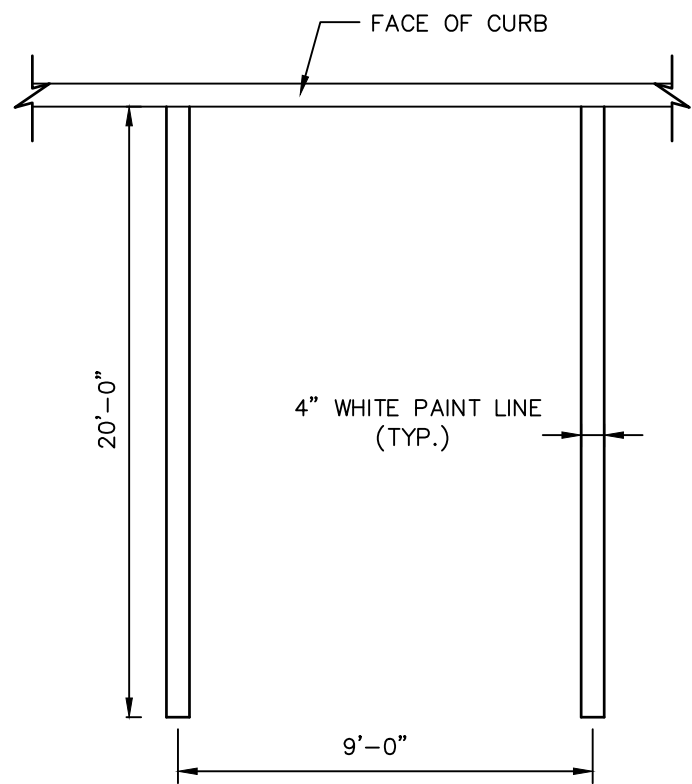


CONCRETE TRASH ENCLOSURE DUMPSTER
PAD AND CONCRETE PAVEMENT
N.T.S.



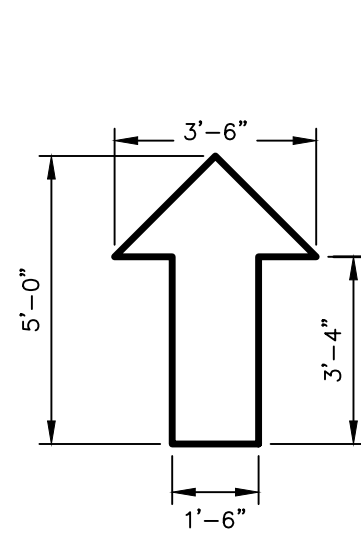
CONCRETE LOADING RAMP
N.T.S.

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION



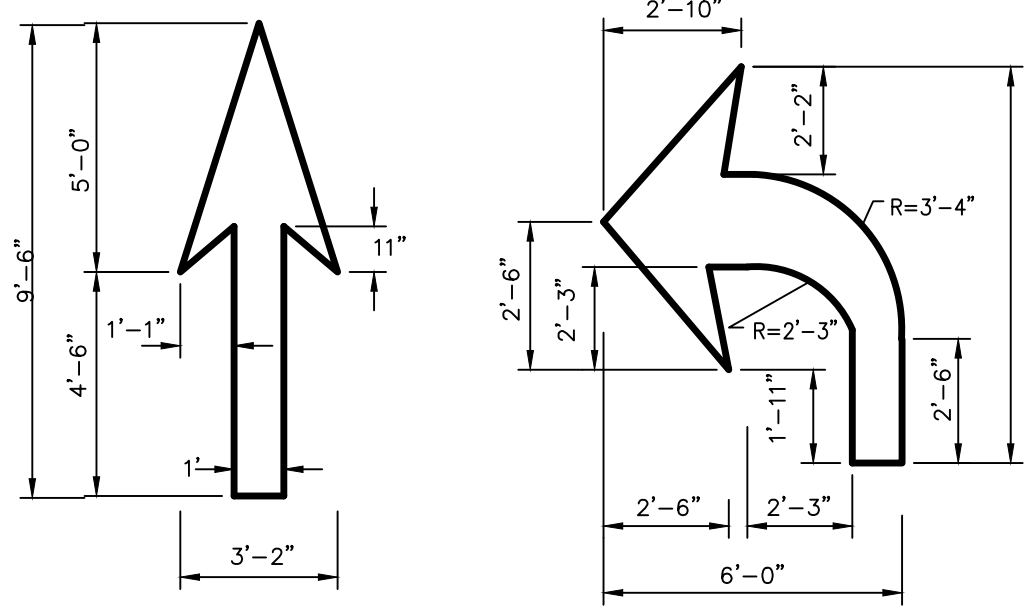
NOTE:
1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.
2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

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



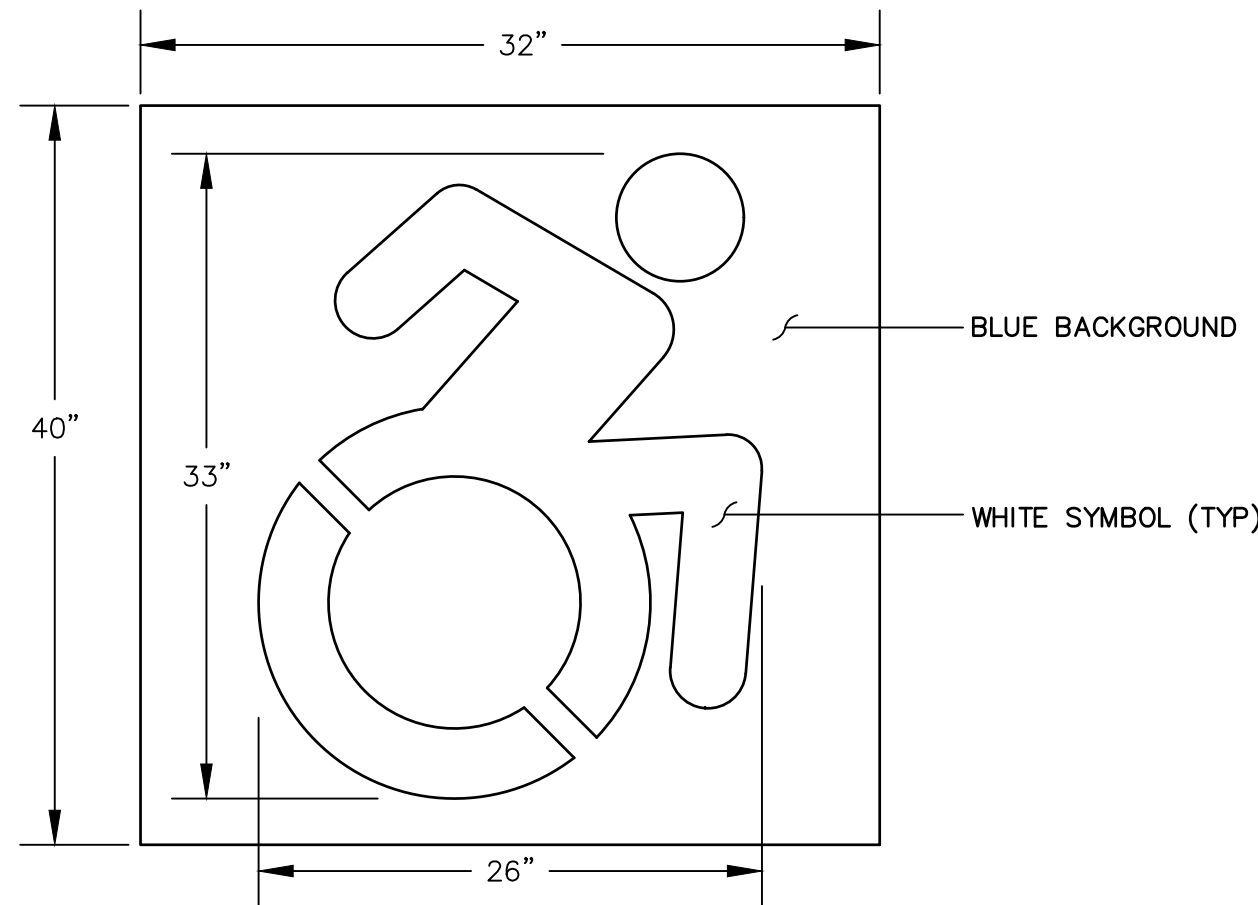
NOTES:
1. WHITE (ARROWS TO BE CENTERED IN TRAVEL LANE)

PAINTED TRAFFIC ARROW DETAILS
N.T.S.



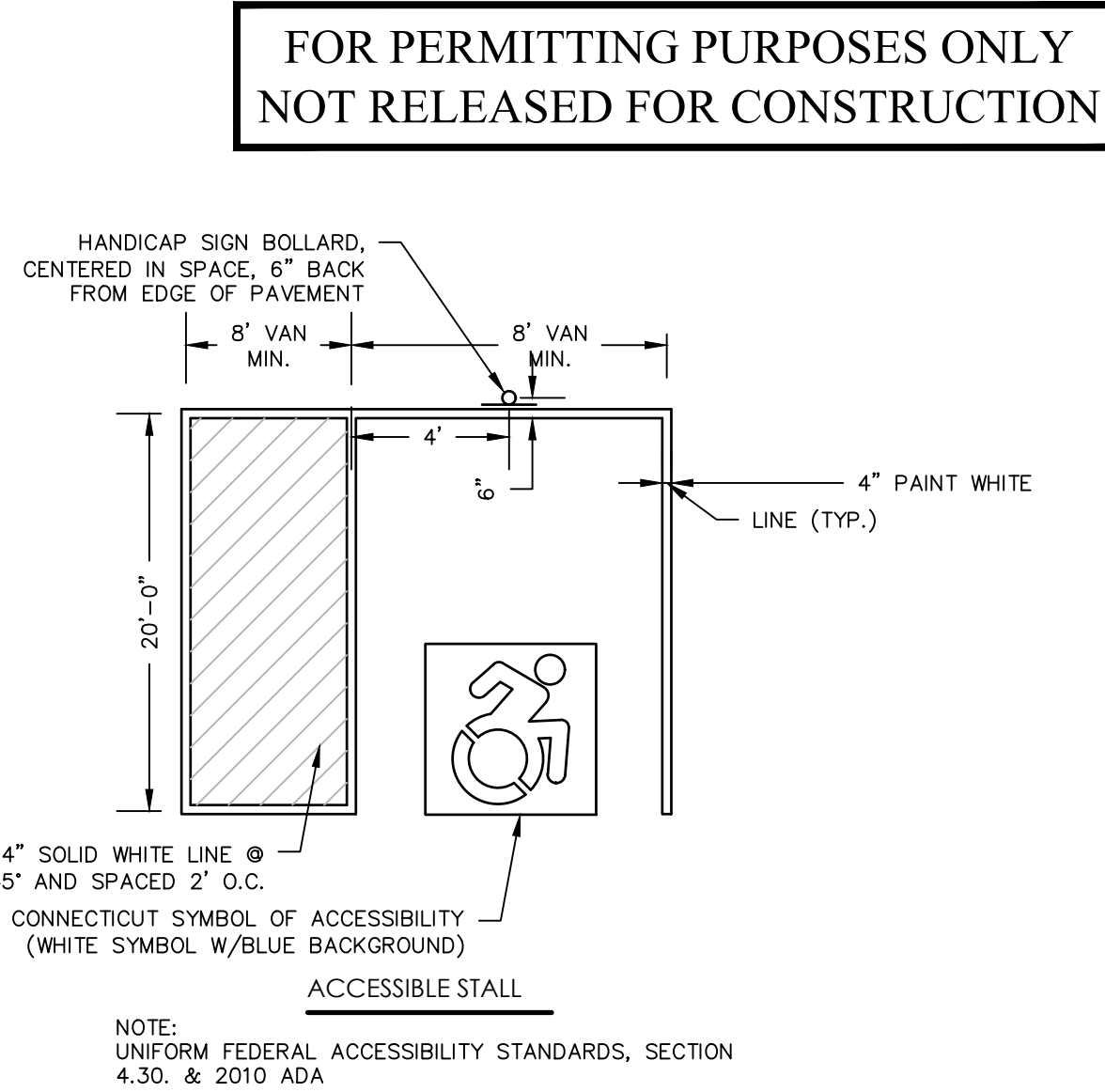
12.5 S.F. 15.5 S.F.

BLPC-006



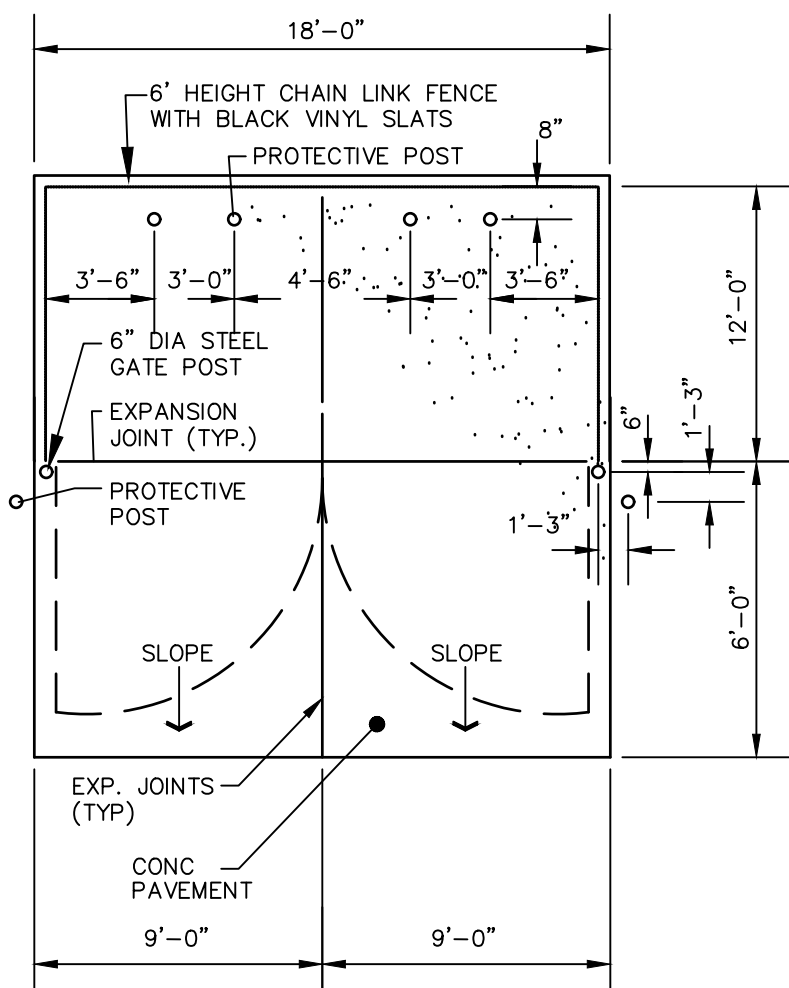
NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

CONNECTICUT SYMBOL OF ACCESSIBILITY
N.T.S.

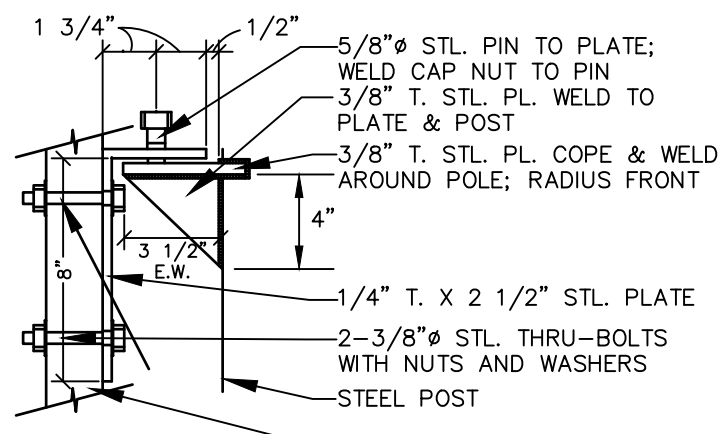


NOTE: UNIFORM FEDERAL ACCESSIBILITY STANDARDS, SECTION 4.30. & 2010 ADA

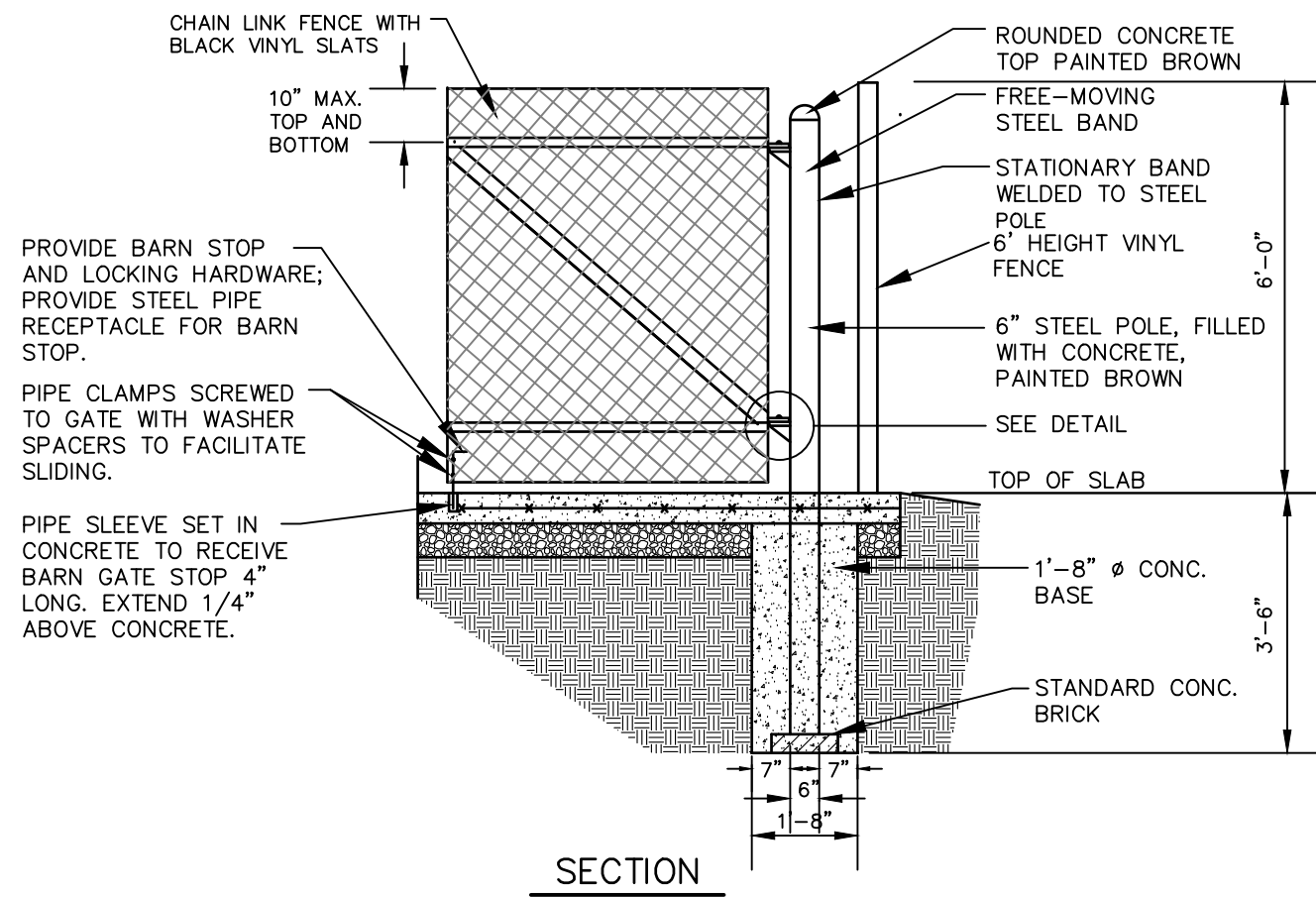
TYPICAL HANDICAP
PARKING STALL LAYOUT
N.T.S.



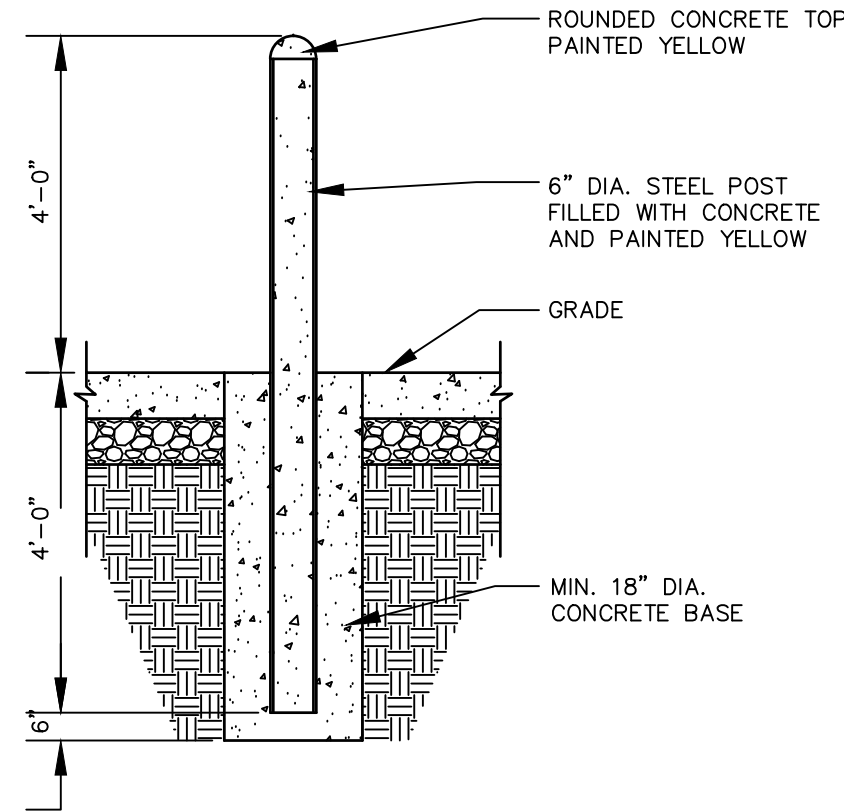
TRASH ENCLOSURE PLAN
N.T.S. BLSE-004



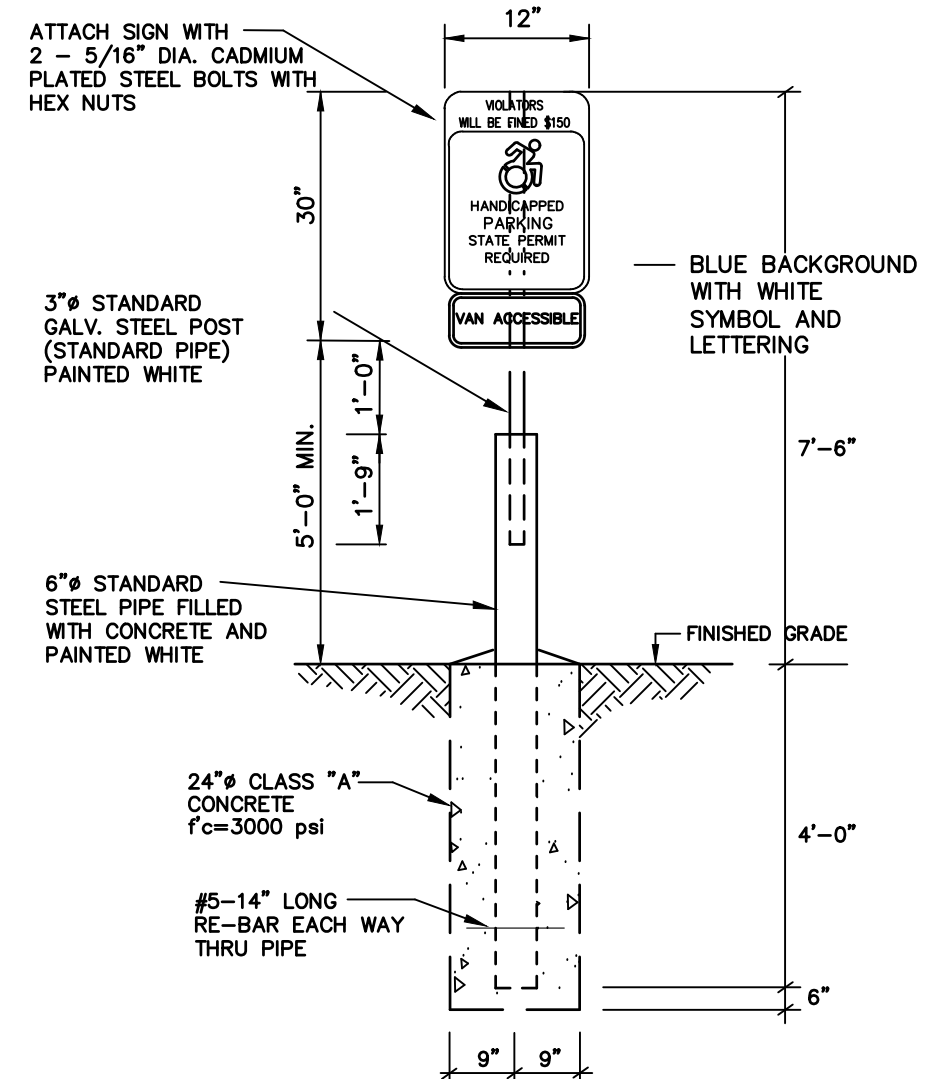
TRASH ENCLOSURE GATE
(HALF SECTION)
N.T.S. BLSE-001



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

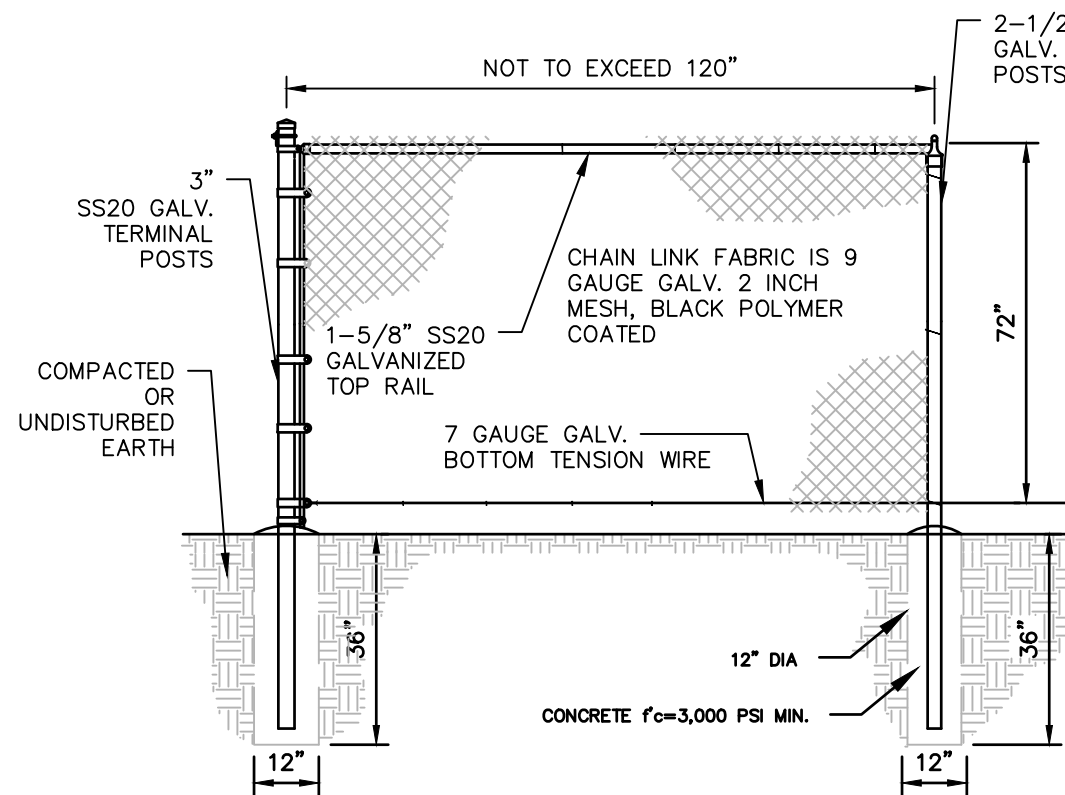


6" CONCRETE FILLED STEEL BOLLARD
N.T.S. BLSE-005

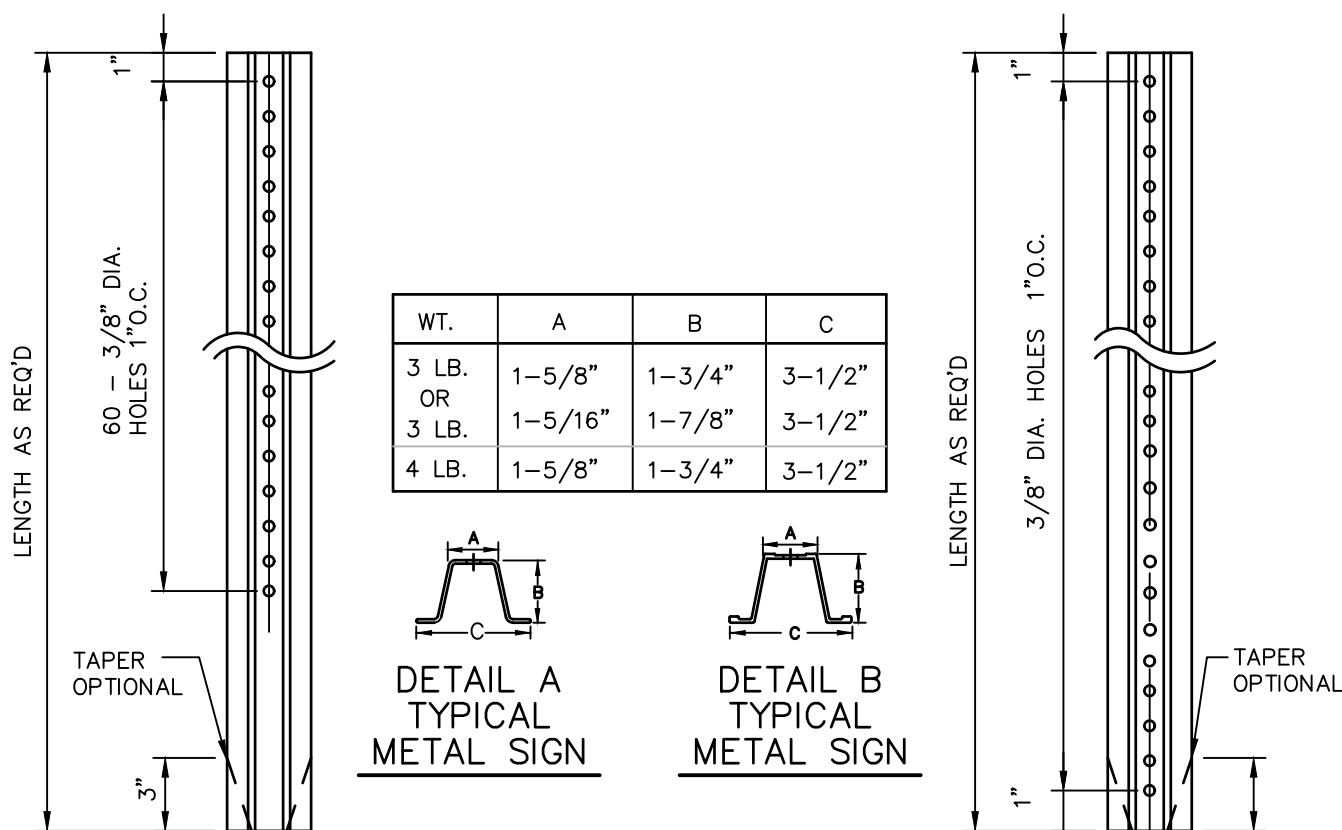


NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

HANDICAP SIGN BOLLARD
DETAIL
N.T.S.



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

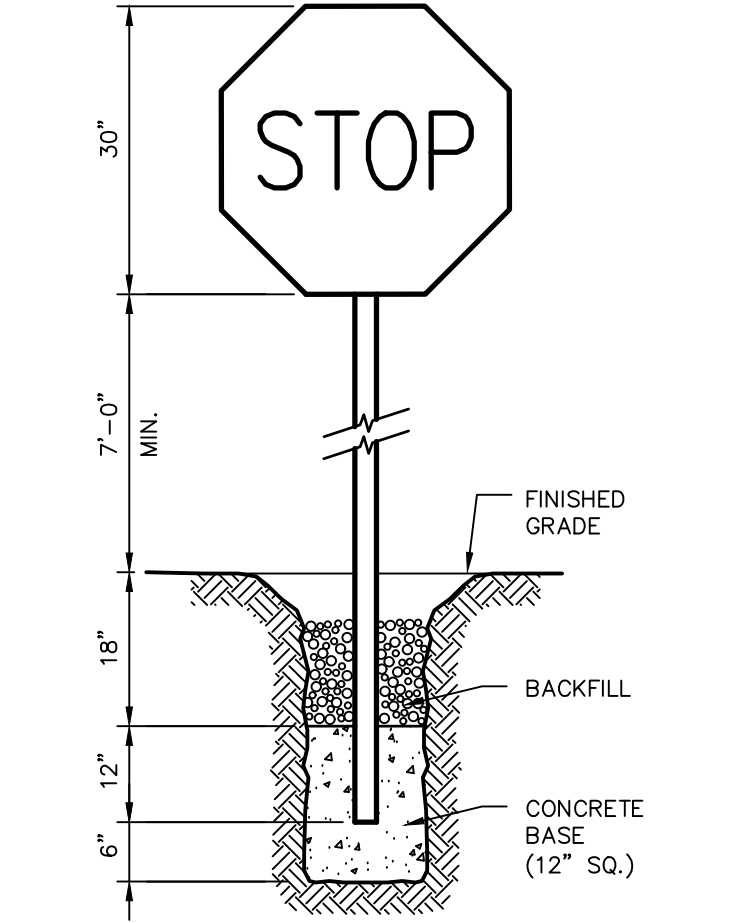


DETAIL A
HOLE LOCATION

DETAIL B
HOLE LOCATION

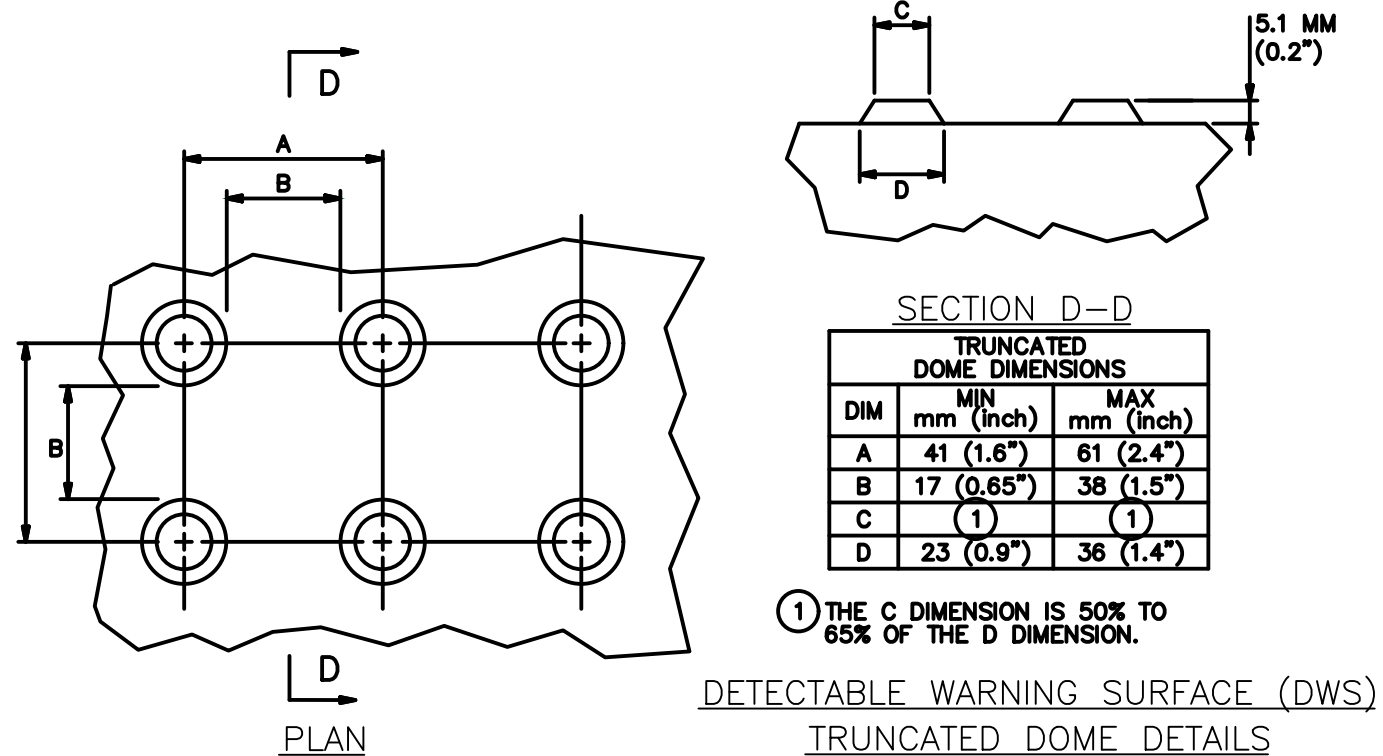
NOTES:
STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 91 LBS OR GREATER PER LINEAR YARD.
AFTER FABRICATION ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS 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.

**Architecture
Engineering
Environmental
Land Surveying**

BE **Companies**

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



Signed	S.E.L.
own	S.E.L.
viewed	K.M.M.
ale	NONE
ject No.	2101726
ate	11/18/2021
AD File:	
DN210172601	
e	
DETAILS SHEET	
eet No.	

Xref (s): ; BD210009801 ; BD210172601



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

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION



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 HEALTH DISTRICT COMMENTS
REVISED PER CTDOT COMMENTS

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

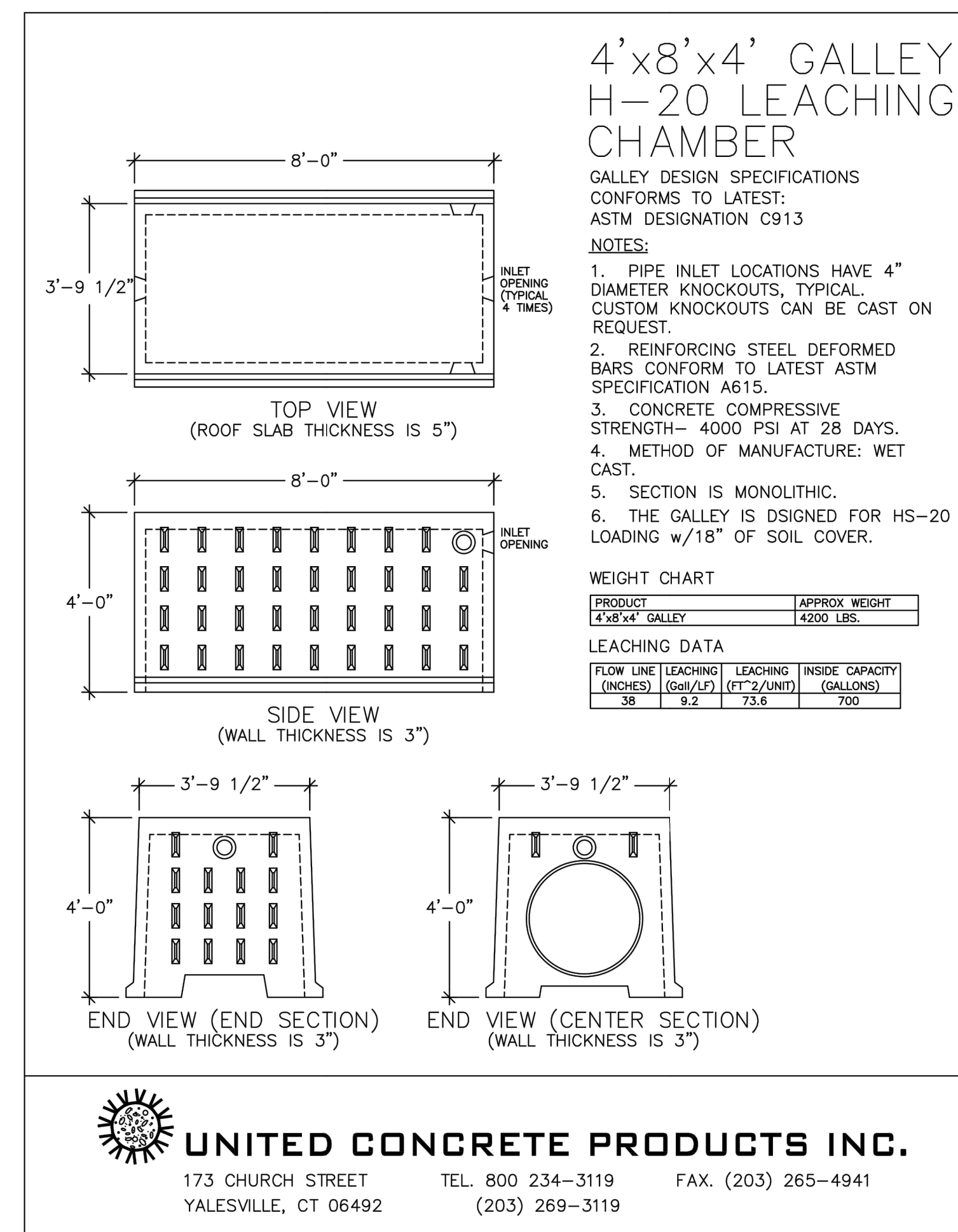
Designed	S.E.L.
Drawn	S.E.L.
Reviewed	K.M.M.
Scale	NONE
Project No.	2101726
Date	11/18/2021

Title

DETAILS SHEET

Sheet No.

DN-7



SUBSURFACE DETENTION SYSTEM #1

N.T.S



Bentley
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

9

Sheet No. _____

I:\26\2022, SCOSTAGLIOLA, G:\JOBS2\16\2101726\DWG\DN210172601.DWG DN-8 24X36.



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 CIDOT COMMENTS

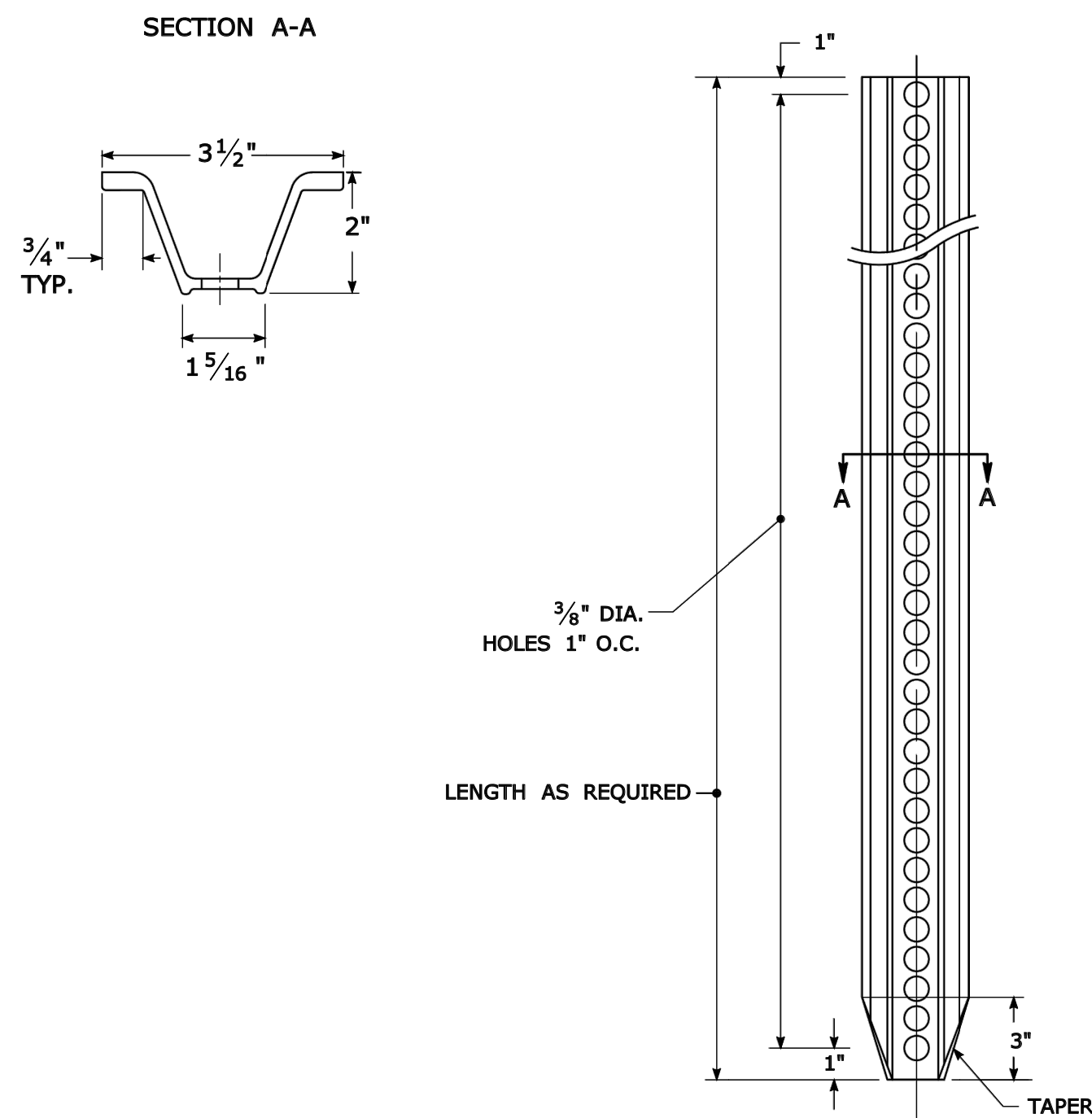
Signed	S.E.L.
Drawn	S.E.L.
Reviewed	K.M.M
Scale	NONE
Project No.	2101726
Date	11/18/2021
Plot File:	
N210172601	

DETAILS SHEET

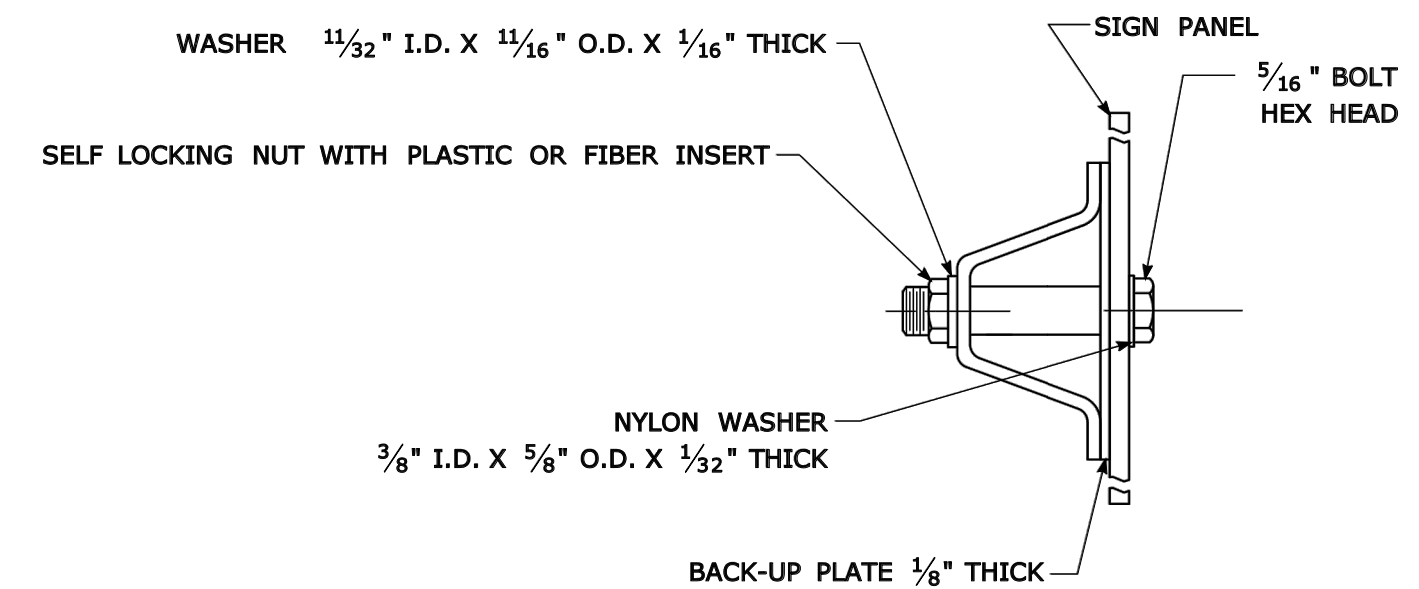
Sheet No.

DN-9

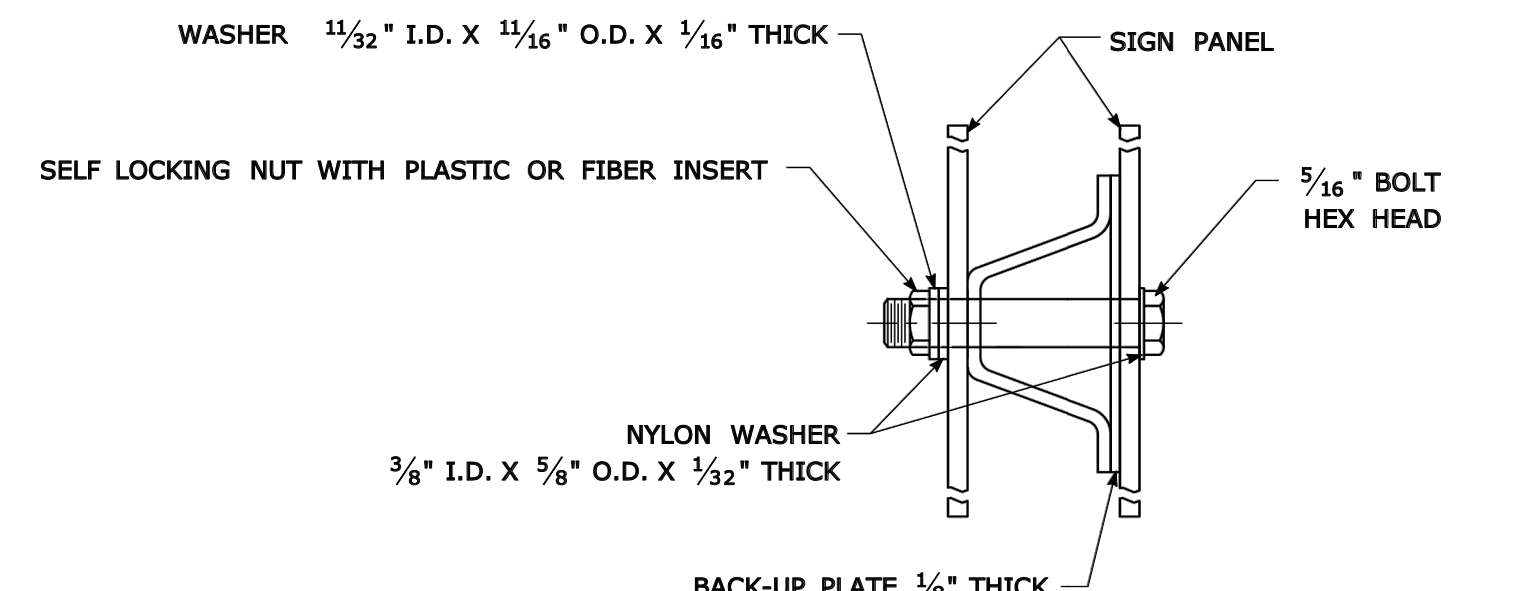
TYPICAL METAL SIGN POSTS



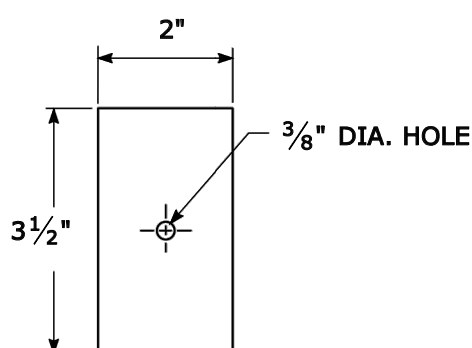
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



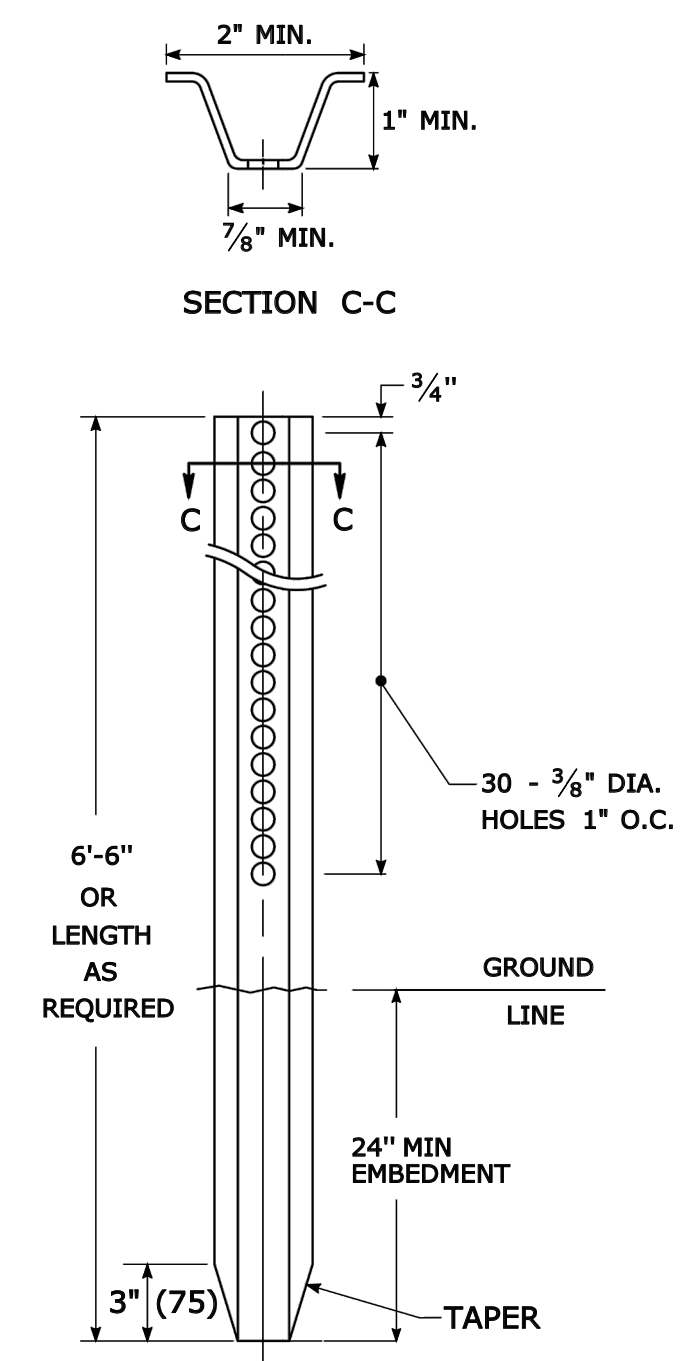
TYPICAL BACK-UP PLATE



BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593,
ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594,
ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240,
(ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

WT./FT. = 1.12 LBS./FT. MIN.

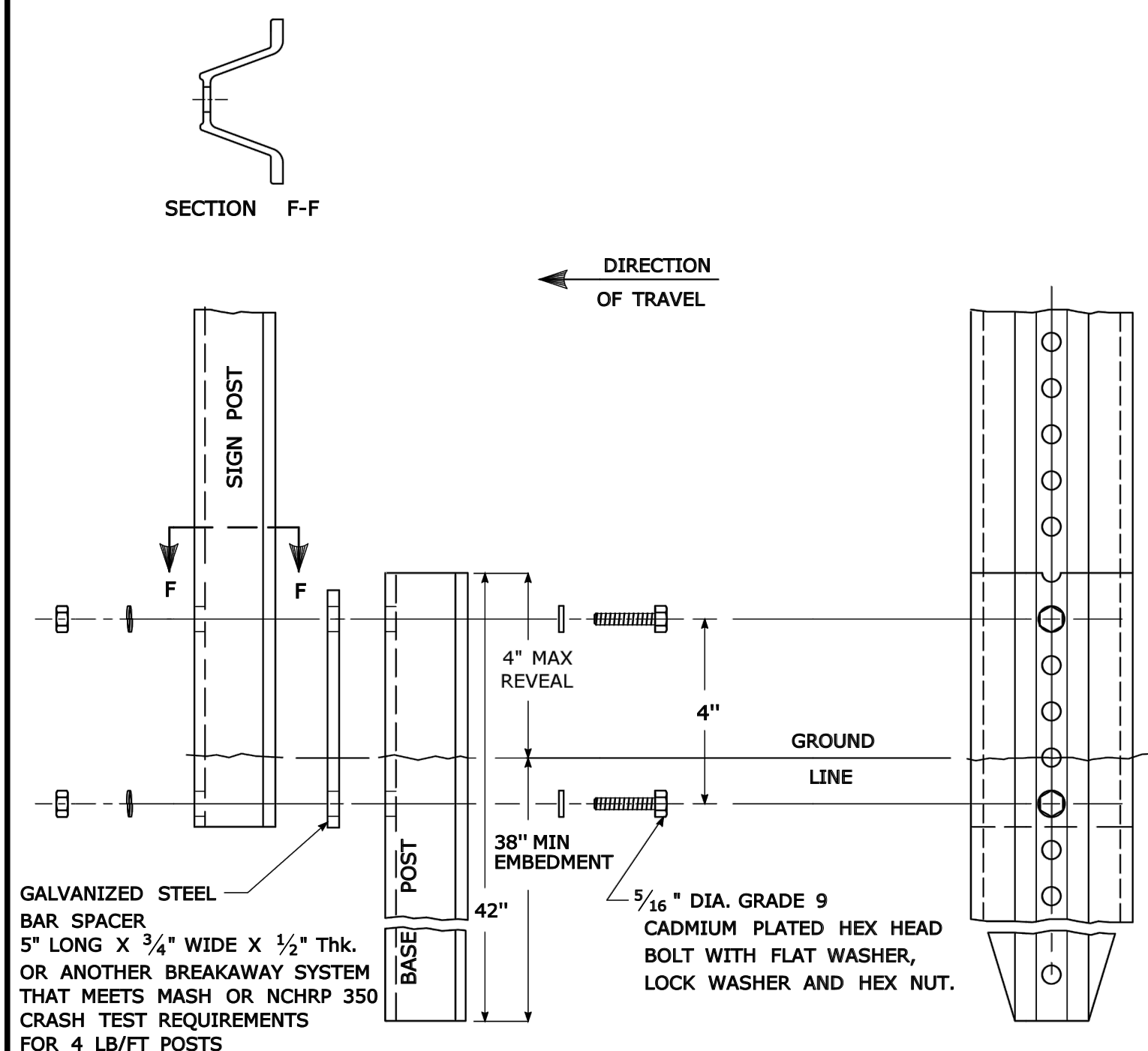


GENERAL NOTES:

1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL.
STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
5. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
6. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 mph WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. SIGN POSTS SHALL BE 4 LBS./FT.

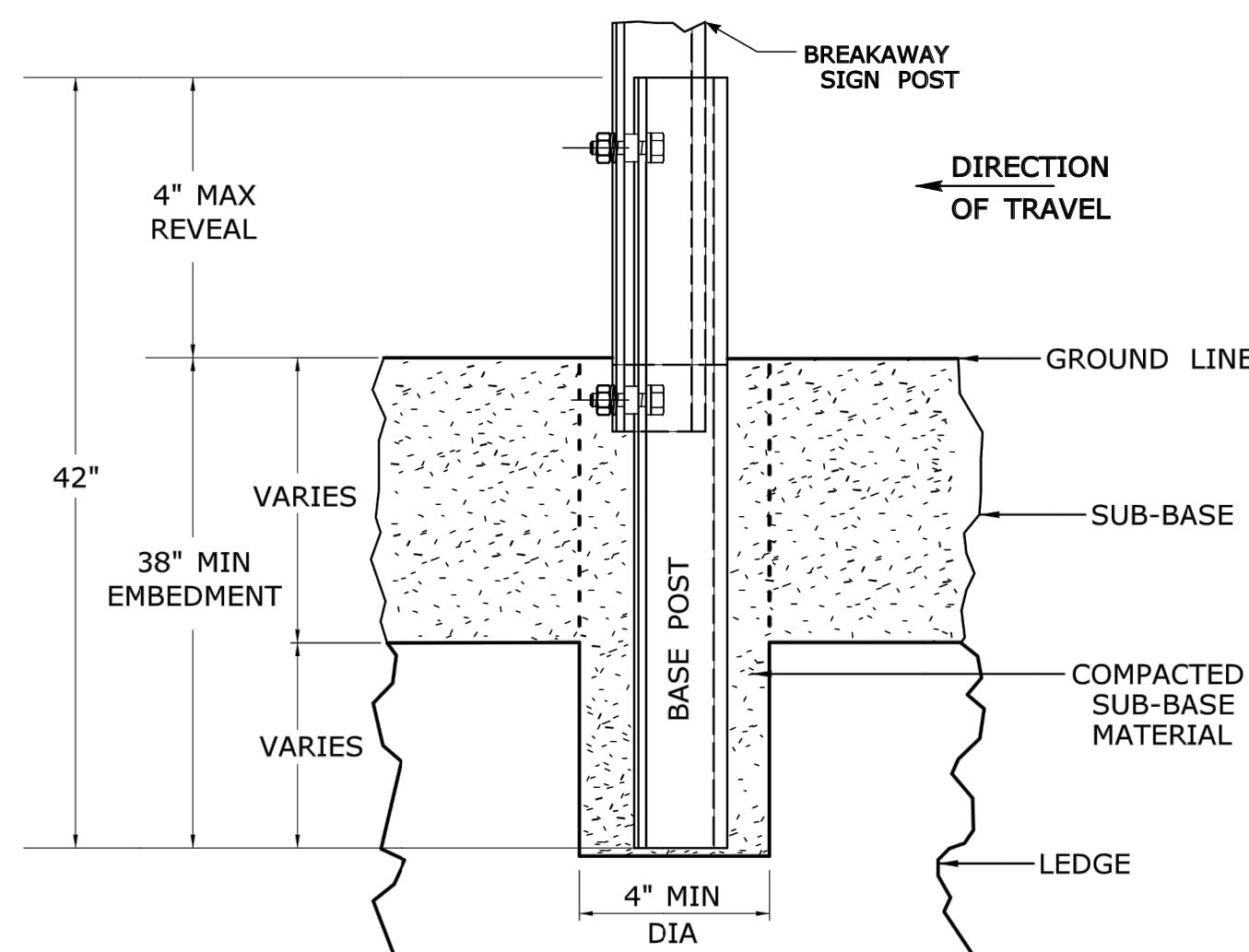
BREAKAWAY INSTALLATION

FOR 4 LBS./FT. POSTS

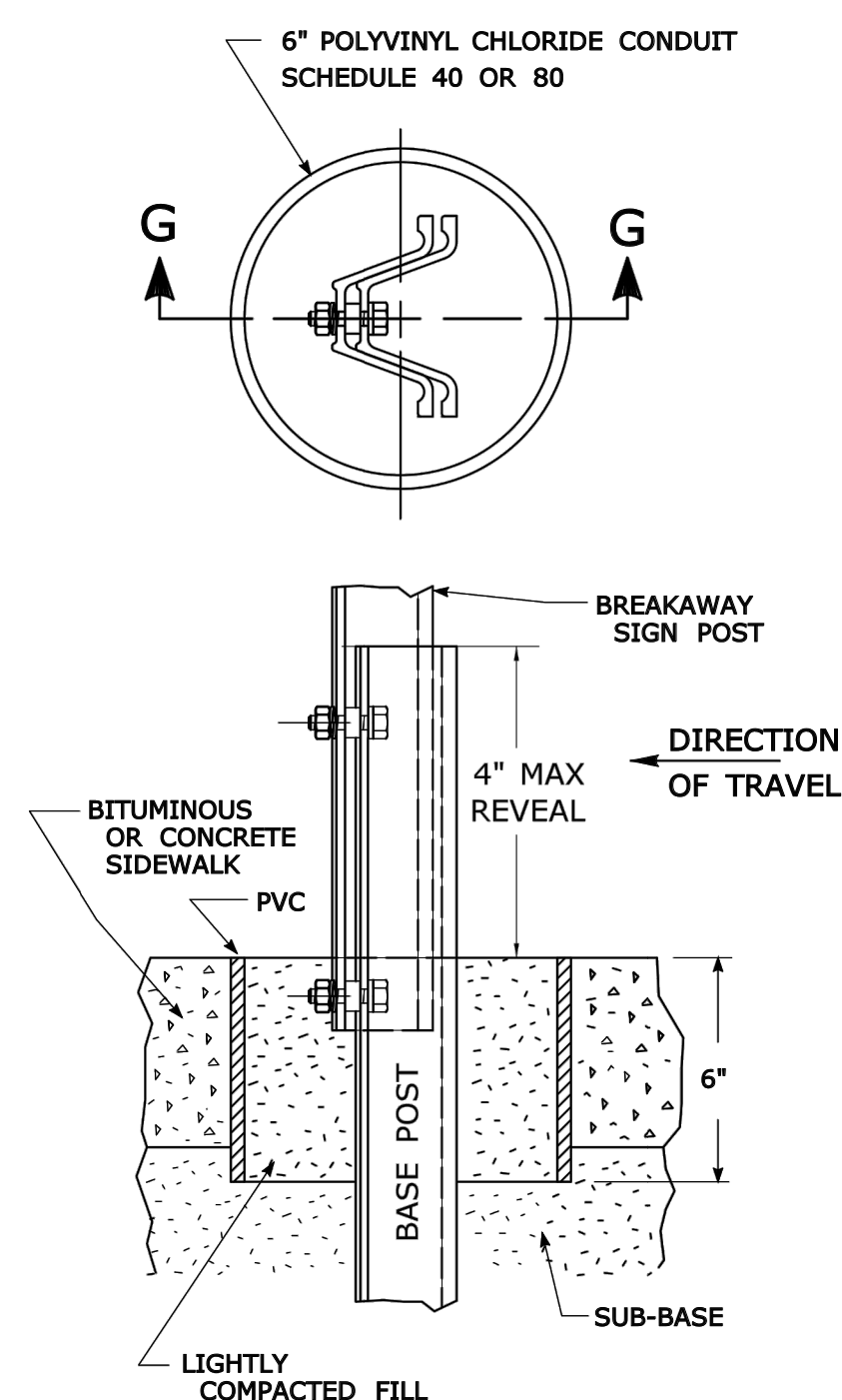


TYPICAL SIGN POST INSTALLATION IN LEDGE

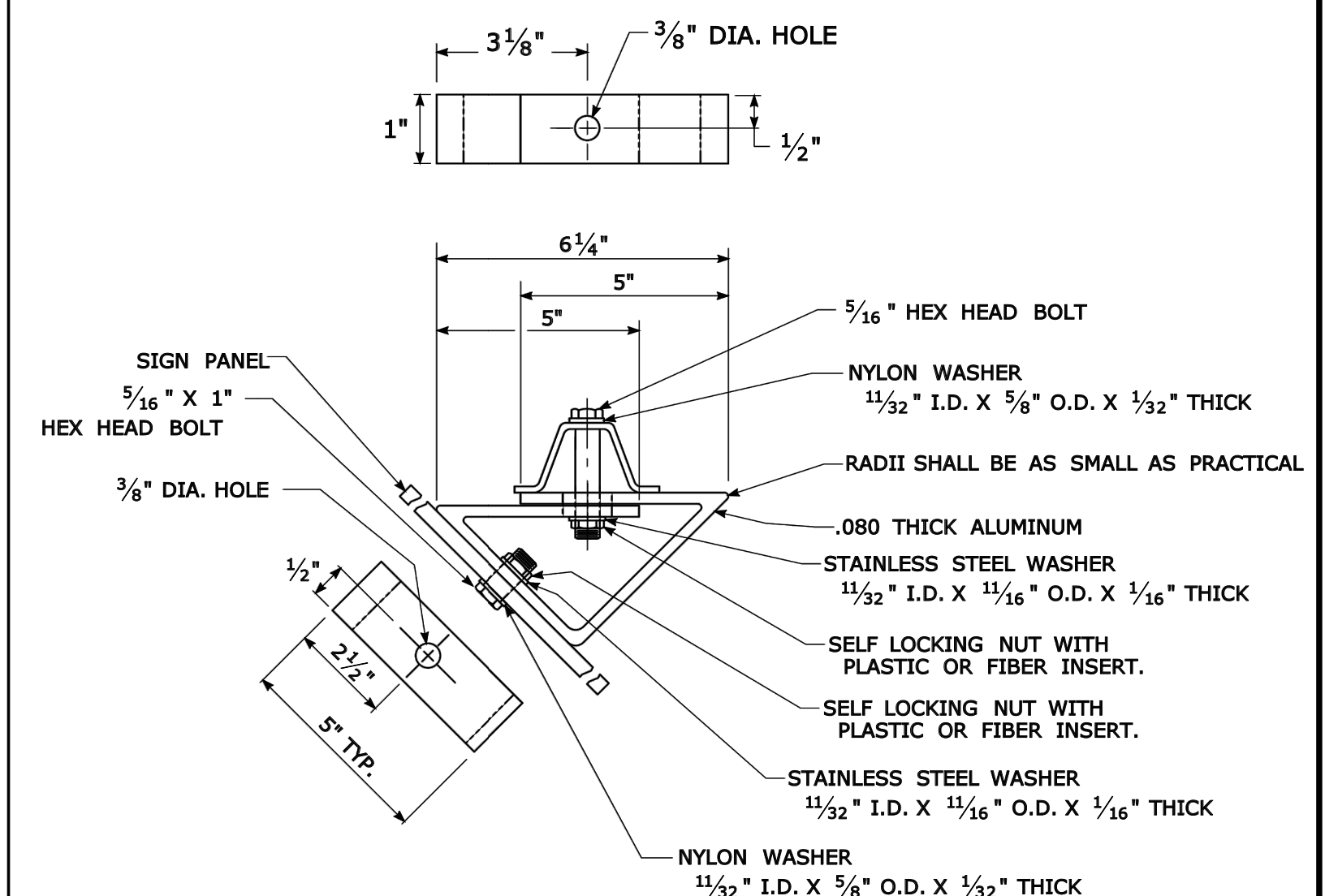
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE FOR PAVED AREAS



45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS



					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.
2	6-2017	SIGN POST REVISIONS.			
1	2-2011	MINOR REVISIONS.			
R/FV	DATE	REVISION DESCRIPTION			Plotted Date: 6/6/2017

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.

Plotted Date: 6/6/2017

NOT TO SCALE



Filename: TR-1208-02-May-2017-Revision.dgn Model: TR-1208-02

SUBMITTED BY:	NAME/DATE/TIME:
<i>Mark F. Makuch</i>	Mark F. Makuch, P.E. 2017.06.07 07:30:30-04'00'
<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'

**CTDOT
STANDARD SHEET**

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

METAL SIGN POSTS AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:

TR-1208 02



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 CIDOT COMMENTS

DETAILS SHEET

DN-10

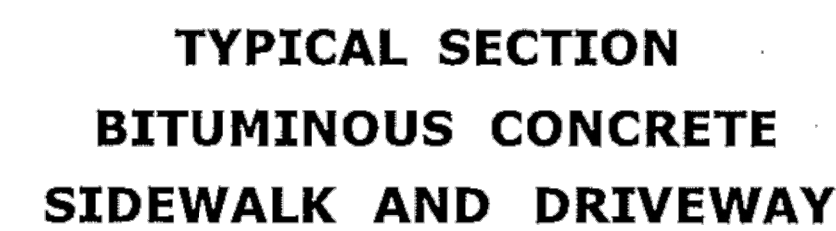
BL Companies

Architecture
Engineering
Environmental
Land Surveying

No.	Date	Revised Per Health District Comments
1.	12/10/2021	Revised Per Health District Comments
2.	01/10/2022	Revised Per Health District Comments
3.	01/28/2022	Revised Per CIDOI Comments

Sheet No. _____

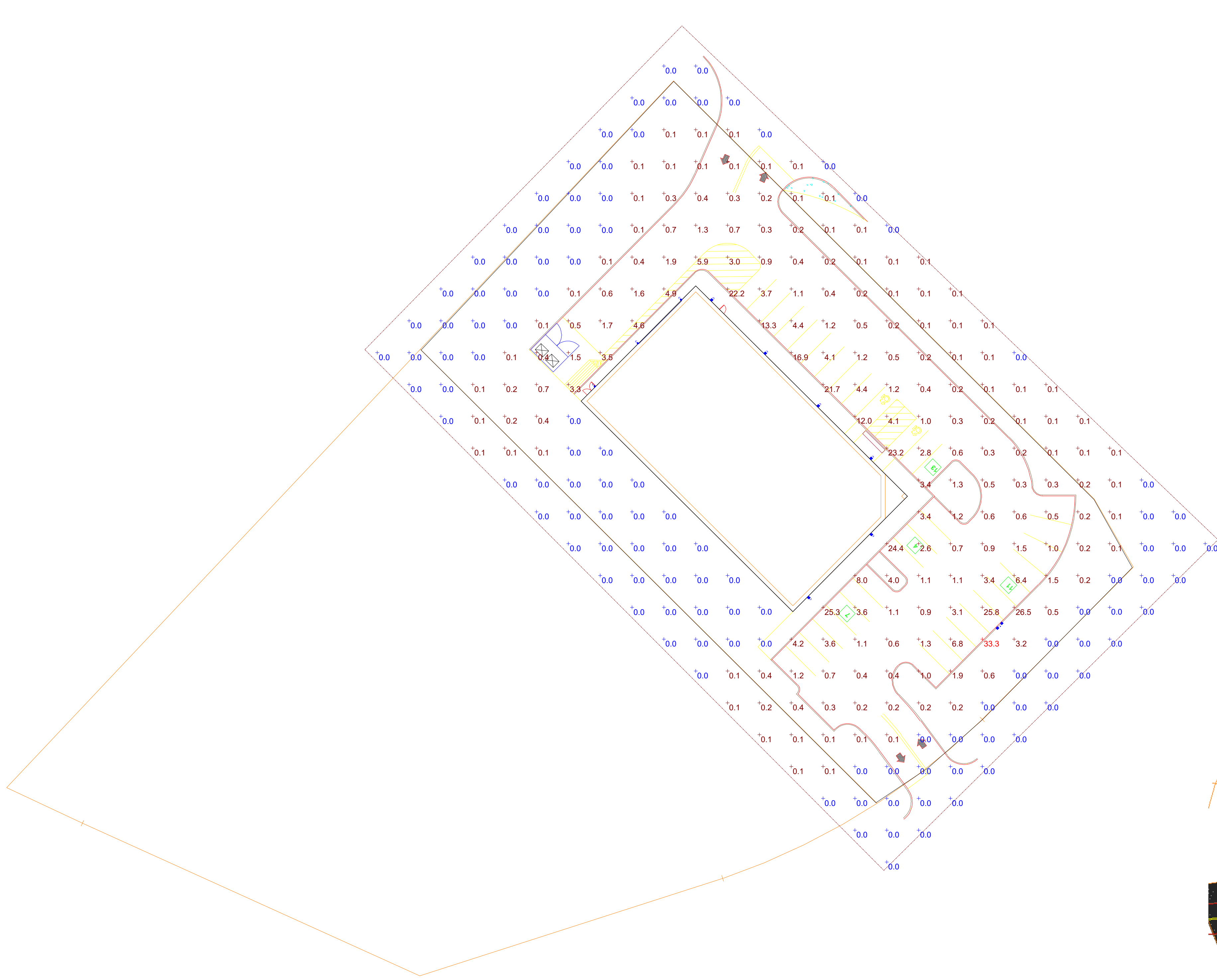
DN-11



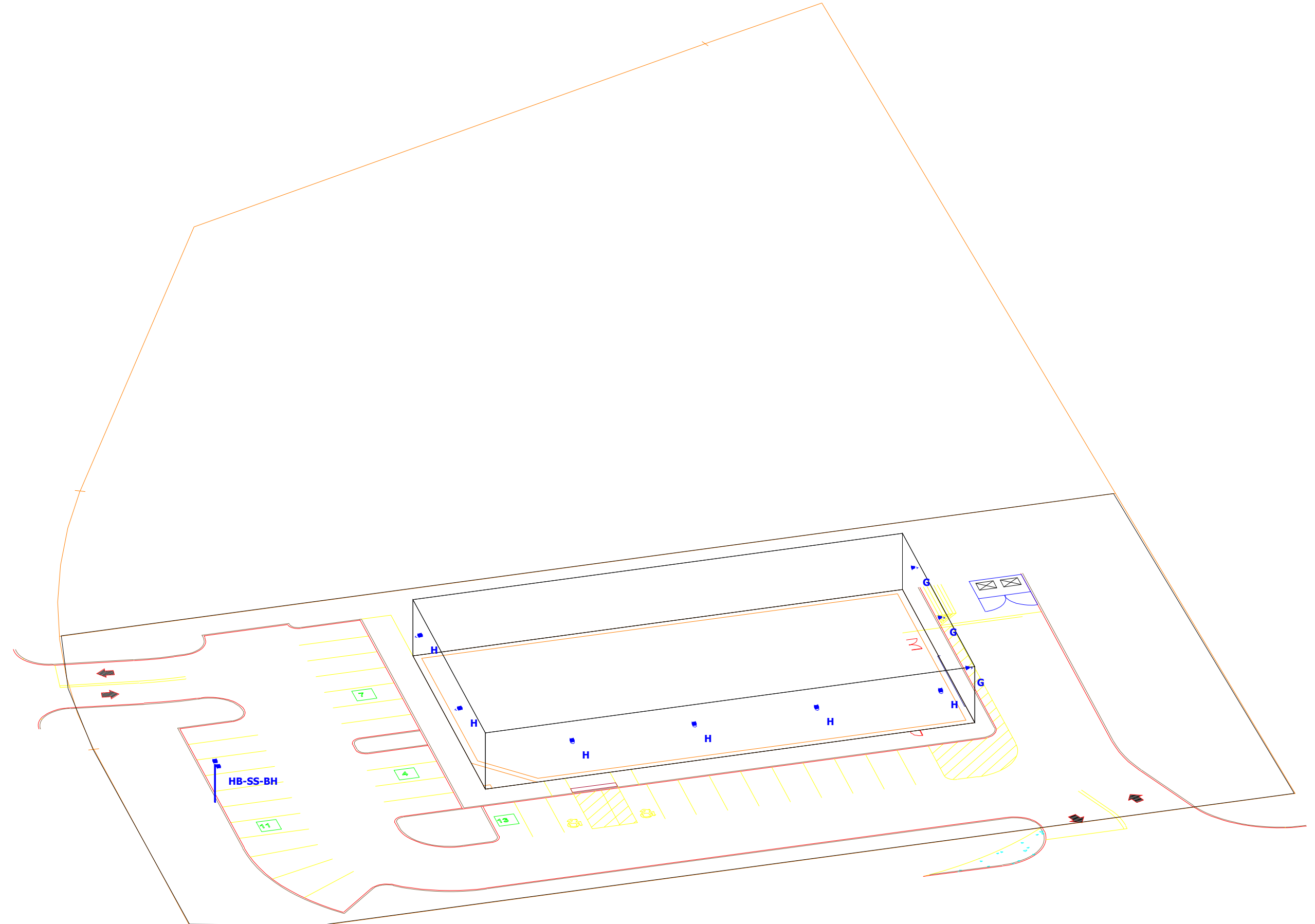
1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.



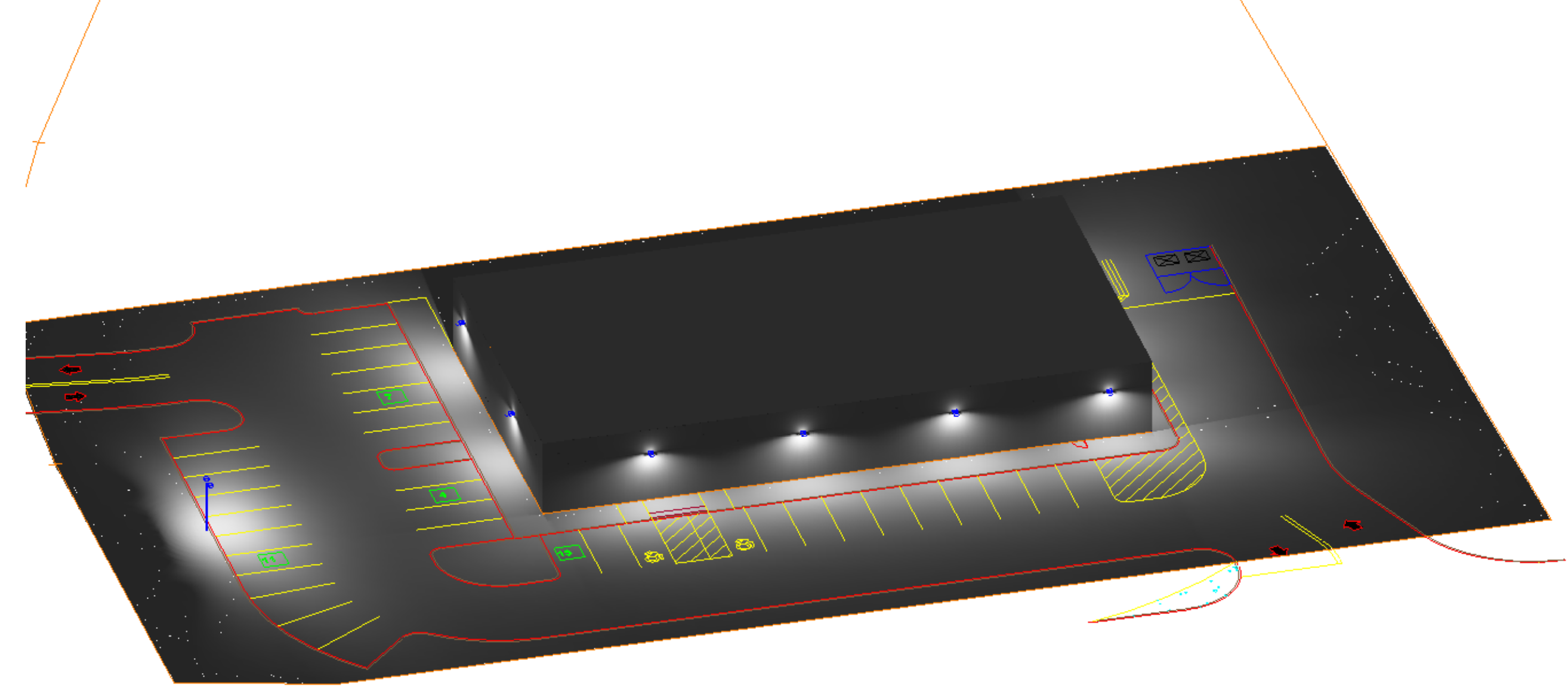
**5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT**



Plan View
Scale - 1" = 30ft



North East View



Rendered Photometric

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	ASMARK LIGHT CO., LTD	PRO-SG11-150WCT3A1	15704	153.3
	HB-SS-BH	1	ASMARK 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