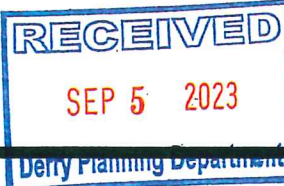


TOWN OF DERRY DERRY FIRE STATION

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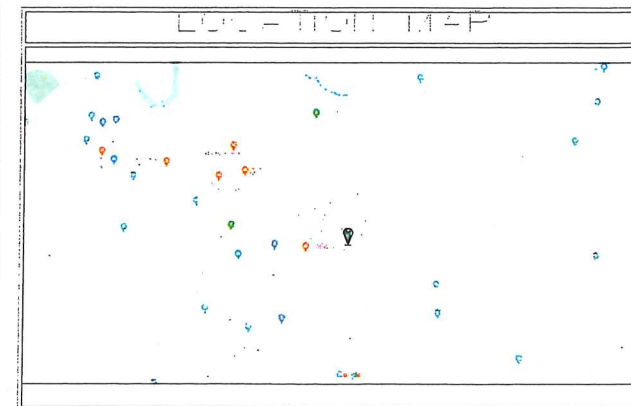
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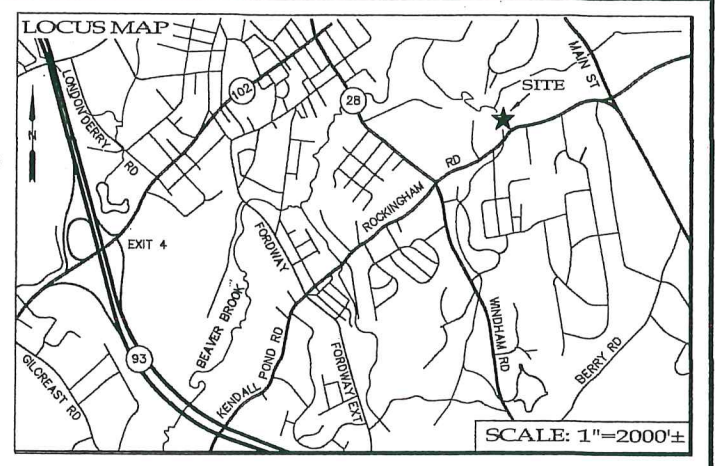
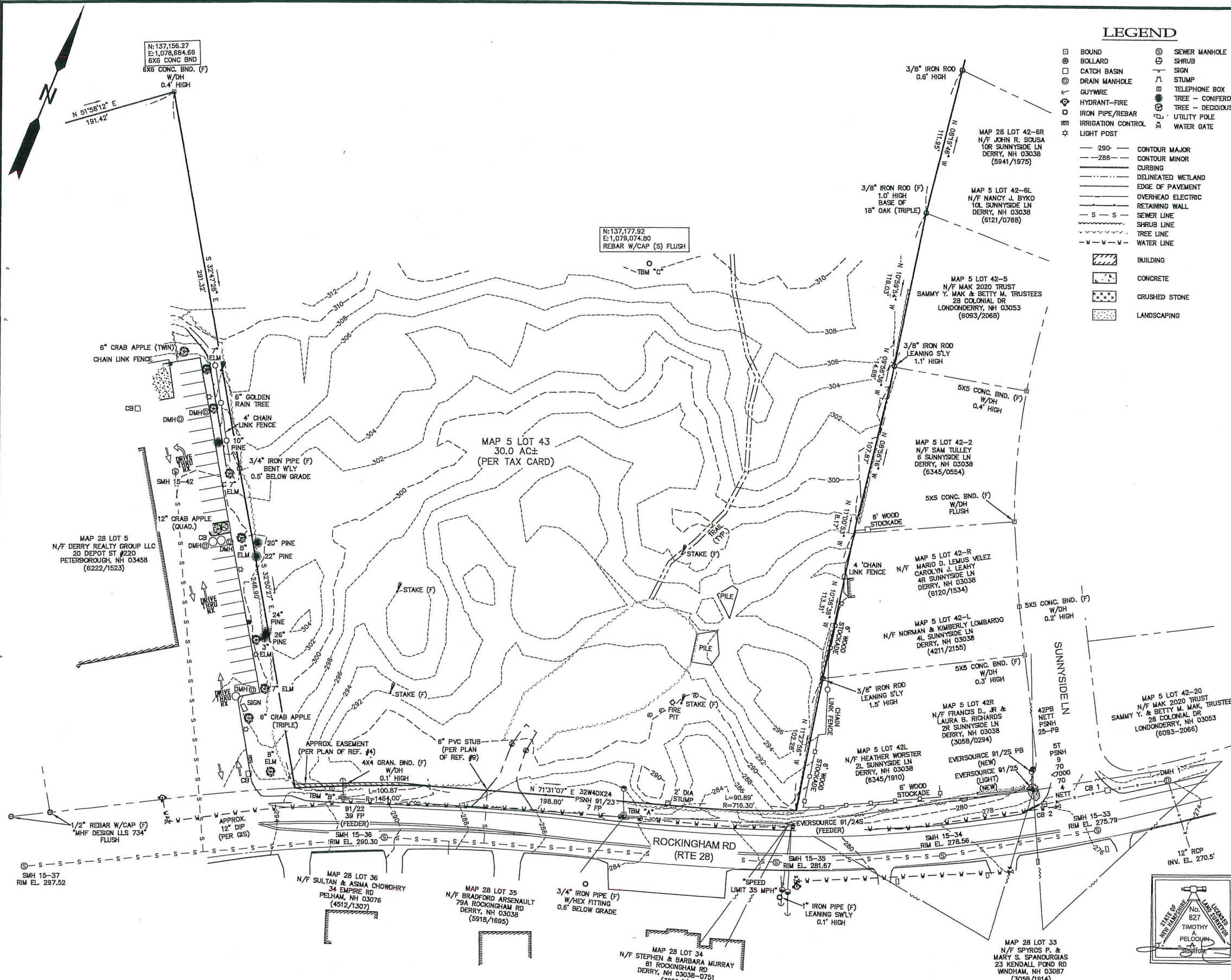


GENERAL:		
L600 EXISTING CONDITIONS PLAN	L400 GRADING PLAN	
L601 OVERALL SITE PLAN	L500 PLANTING PLAN	
	L501 PLANTING DETAILS	
CIVIL:		
C000 EROSION CONTROL PLAN	L600 DETAILS	
C100 DRAINAGE PLAN	L801 DETAILS	
C201 CIVIL DETAILS	L802 DETAILS	
C202 CIVIL DETAILS	L803 RETAINING WALL ELEVATIONS WALLS "A" & "B"	
C203 CIVIL DETAILS		
LANDSCAPE ARCHITECTURE:		
L100 DEMOLITION PLAN	A301 EXTERIOR ELEVATIONS	
L200 LAYOUT PLAN	A302 EXTERIOR ELEVATIONS	
L201 LAYOUT PLAN - FRONT ENTRANCE ENLARGEMENT	A873 ARCHITECTURAL DETAILS	
L300 MATERIALS PLAN	ELECTRICAL:	
L301 MATERIALS PLAN - FRONT ENTRANCE ENLARGEMENT	E101 ELECTRICAL SITE PLAN	
	E801 PHOTOMETRIC PLAN	

SITE PLAN REVIEW SET
AUGUST 30, 2023



DWG DATE: 04/23/2023



LEGEND

- BOUND
- BOLLARD
- CATCH BASIN
- DRAIN MANHOLE
- GUYWIRE
- HYDRANT-FIRE
- IRON PIPE/REBAR
- IRRIGATION CONTROL
- LIGHT POST
- SEWER MANHOLE
- SHRUB
- SIGN
- STUMP
- TELEPHONE BOX
- TREE - CONIFEROUS
- TREE - DECIDUOUS
- UTILITY POLE
- WATER GATE
- 290 — CONTOUR MAJOR
- 288 — CONTOUR MINOR
- CURBING
- DELINEATED WETLAND
- EDGE OF PAVEMENT
- OVERHEAD ELECTRIC
- S — S — RETAINING WALL
- SEWER LINE
- SHRUB LINE
- TREE LINE
- V — V — V — WATER LINE
- ▭ BUILDING
- ▭ CONCRETE
- ▭ CRUSHED STONE
- ▭ LANDSCAPING

NOTES

- 1) THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING CONDITION OF A PORTION OF MAP 5 LOT 43, LOCATED AT 28 PIERCE AVE. IN DERRY, NEW HAMPSHIRE.
- 2) THIS PLAN IS BASED ON FIELD EVIDENCE LAST OBSERVED IN JULY OF 2022.
- 3) THE PORTION OF THE SUBJECT PARCEL, AS SHOWN, DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS INTERPOLATED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR ROCKINGHAM COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS) #3301500339E & 3301500343E, HAVING AN EFFECTIVE DATE OF MAY 17, 2005.
- 4) THIS PLAN IS INTENDED TO BE AT THE SPECIFIED SCALE WHEN PLOTTED ON 22x34 (ANSI D) SIZE PAPER.
- 5) ALL DISTANCES, UNLESS OTHERWISE INDICATED, ARE US SURVEY FEET HORIZONTAL DISTANCES.
- 6) ALL ZONING INFORMATION SHALL BE VERIFIED PRIOR TO ANY BUILDING OR CONSTRUCTION ACTIVITY THAT DOES NOT FALL UNDER CURRENT PERMITTING.
- 7) NO WETLANDS WERE OBSERVED ON THE SUBJECT PARCEL IN THE AREA OF INTEREST.
- 8) NO PHYSICAL EVIDENCE WAS UNCOVERED IN REFERENCE TO AN EXISTING SEWER STUB.
- 9) FIELD WORK PERFORMED IN THE PREPARATION OF THIS PLAN HAS A LINEAR ERROR 1:89,311.

PLANS OF REFERENCE

- 1) "SUBDIVISION PLAN OF MAP 5 PARCEL 43"; PREPARED FOR: THE TOWN OF DERRY; PREPARED BY: EDWARD N. HERBERT ASSOC., INC.; DATED: MAY, 1979; SEE RCRD PLAN No. D-3821
- 2) "TOWN OF DERRY, N.H., MAP 5 PARCEL 43"; PREPARED FOR: R. K. CONSTRUCTION, INC.; PREPARED BY: EDWARD N. HERBERT & ASSOC., INC.; DATED: SEPTEMBER, 1984; SEE RCRD PLAN No. D-13105.
- 3) "SUBDIVISION & CONSOLIDATION"; PREPARED FOR: HCA HEALTH SERVICES OF NH, INC.; PREPARED BY: STORCH ASSOC.; DATED: SEPTEMBER, 1988; SEE RCRD PLAN No. D-20081.
- 4) "RIGHT OF WAY AND EASEMENT PLAN"; PREPARED FOR: THE TOWN OF DERRY; PREPARED BY: CLD, INC.; DATED: SEPTEMBER, 1991; SEE RCRD PLAN No. D-21711.
- 5) "RITE AID (STORE 03110-10) 52 ROCKINGHAM RD"; PREPARED FOR: SJK HOLDING, LLC; PREPARED BY: MHF DESIGN CONSULTANTS, INC.; DATED: NOVEMBER 10, 2006; SEE RCRD PLAN No. D-34995.
- 6) "RITE AID (STORE 03110-10) 52 ROCKINGHAM RD"; PREPARED FOR: SJK HOLDING, LLC; PREPARED BY: MHF DESIGN CONSULTANTS, INC.; DATED: NOVEMBER 10, 2006; SEE RCRD PLAN No. D-34997.
- 7) "MHF DESIGN CONSULTANTS, INC.; DATED: NOVEMBER 10, 2006; SEE RCRD PLAN No. D-34997.
- 8) "AS-BUILT SEWER PLAN & PROFILE ROCKINGHAM RD, RTE 28"; PREPARED FOR: TROPIC STAR DEVELOPMENT; PREPARED BY: MHF DESIGN CONSULTANTS, INC.; DATED: JANUARY 08, 2008.
- 10) "STATE OF NH - STATE HIGHWAY DEPARTMENT - FEDERAL AID PROJECT NO 158"

DATUM

HORIZONTAL: NAD83-2011
VERTICAL: NAVD83 - GEOD12A

ZONING

OMB (OFFICE, MEDICAL, BUSINESS DISTRICT) MINIMUM:
BUILDING HEIGHT: 60'
AREA: 30,000 WITH SEWER
FRONTAGE: 125'
WIDTH: 125' AT FRONT 35' SETBACK
SETBACKS:
FRONT - 35'
SIDE - 20'
REAR - 20'
WETLANDS > 1 Ac. IN SIZE - 75'
WETLANDS < 1 Ac. IN SIZE - 30'

EXISTING CONDITIONS PLAN
MAP 5 LOT 43
28 PIERCE AVE
DERRY, NEW HAMPSHIRE
NOVEMBER 18, 2022

LAND OWNER: TOWN OF DERRY
14 MANNING ST
DERRY, NH 03038

SCALE: 1"=40' SHEET 1 OF 1

PREPARED BY:

Promised Land Survey, LLC

P.O. Box 447
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www.PromisedLandSurvey.com

• Land Surveying • Mapping • Planning • Permitting • Layout

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	08/09/2023	ADDITIONAL SITE TOPOGRAPHY	NMM

TEMPORARY BENCHMARK INFORMATION

TBM	ELEV.	DESCRIPTION
"A"	285.89'	MAG (S) HORIZ., 1.1' HIGH IN NW OF UPOLE
"B"	293.19'	MAG (S) HORIZ., 1.0' HIGH IN SO. OF UPOLE
"C"	310.99'	REBAR (S) WITH CONTROL CAP, FLUSH

SEWER INVERT INFO.

STRUCTURE	RIM EL.	INV. IN.	INV. OUT.
SMH 15-34	278.6'	8" PVC (W) EL. 271.0'	8" PVC (E) EL. 270.9'
SMH 15-35	281.7'	8" PVC (W) EL. 273.7'	8" PVC (E) EL. 273.6'
SMH 15-36	280.3'	8" PVC (W) EL. 280.2'	8" PVC (E) EL. 280.1'
SMH 15-37	297.5'	8" PVC (W) EL. 285.7'	8" PVC (E) EL. 285.6'

DRAINAGE INVERT INFORMATION

STRUCTURE	RIM EL.	INV. IN.	INV. OUT.	SUMP EL.
DMH 1	274.4'	18" RCP (E) EL. 270.9'	12" RCP (S) EL. 271.5'	EL. 269.8'
CB 1	275.3'	12" CMP (W) EL. 271.9'	18" RCP (E) EL. 271.8'	EL. 269.6'
CB 2	276.0'	8" PVC (W) EL. 280.2'	12" CMP (E) EL. 272.8'	EL. 272.5'

*ELEVATIONS CONFIRMED - INVERT IN LOWER THAN INVERT OUT



N:\Carlson2022\3519.DWG\d3519s1.dwg

SITE STATISTICS

ZONE: OMB - OFFICE MEDICAL BUSINESS
 PARCEL AREA: 4 AC / OVERALL 30 AC

	REQUIRED	PROPOSED
Min. Lot Area (Public Sewer)	30,000 SF	174,240 (NAC)
Site Frontage	125'	201'
Min. Lot Width @ 35' Setback Line	125'	403.6'
Front Setback	35'	35'
Side Setback	20'	50.5'
Rear Setback	20'	
Building Max. Height	60'	35'-2" Bldg / X' Antenna

SITE CALCULATIONS:

DESCRIPTION	EXISTING	PROPOSED
Site Area	4 Acres	4 Acres
Building Footprint	0	20,582 SF
Pavement*	0	69,804 SF
Sidewalks & Plaza	0	3,826 SF
Lot Coverage**	0	84,012 SF (48.22%)
Planting Requirements		
Trees	28 Required (825 LF of Bldg Perimeter)	
PROPOSED:		
Shrubs	33 Required (66 Sp)	
PROPOSED:		

* Excluding sidewalk and pedestrian improvements per 14.1.8 pavement to property line
 ** Building coverage calculation includes fire station

PARKING

REQUIRED PARKING - BUILDING:	
Office space 1Sp per 300 SF GFA =	8215sf/300sf = 31 Sp
Bank Rooms - 1.25 Sp per room =	11 Rms x 1.25 Sp = 14 Sp
Training Room - 35 Seats* 1Sp for every 3 seats(Assembly)=	35 Seat/3 = 12 Sp
*Alt. - Conference space 1Sp per 50 SF = 58 SF/50 SF = 12 Sp	
TOTAL REQUIRED SP =	57 Sp

REQUIRED PARKING - STAFF (From Fire Chief):	
Monday-Friday Staff: 8 Personnel - 1Sp Each =	8 Sp
Visiting Staff / Training - 1 Sp Each =	35 Sp
11 Bunks - 1 Sp Each =	11 Sp
Approx. Visitors 10 - 15p Each =	10 Sp
TOTAL REQUIRED SP =	64 Sp

PROPOSED	
Visitor:	18 Sp (2 ADA)
Employee / Training:	47 Sp (1 ADA)
Banked Parking Spaces (Garage Outbuilding Area):	10 Sp
TOTAL SPACES =	85 Sp (3 ADA) (+10 Banked Sp= 75 Total Sp)

PERMITS

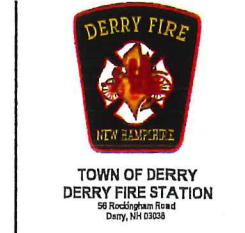
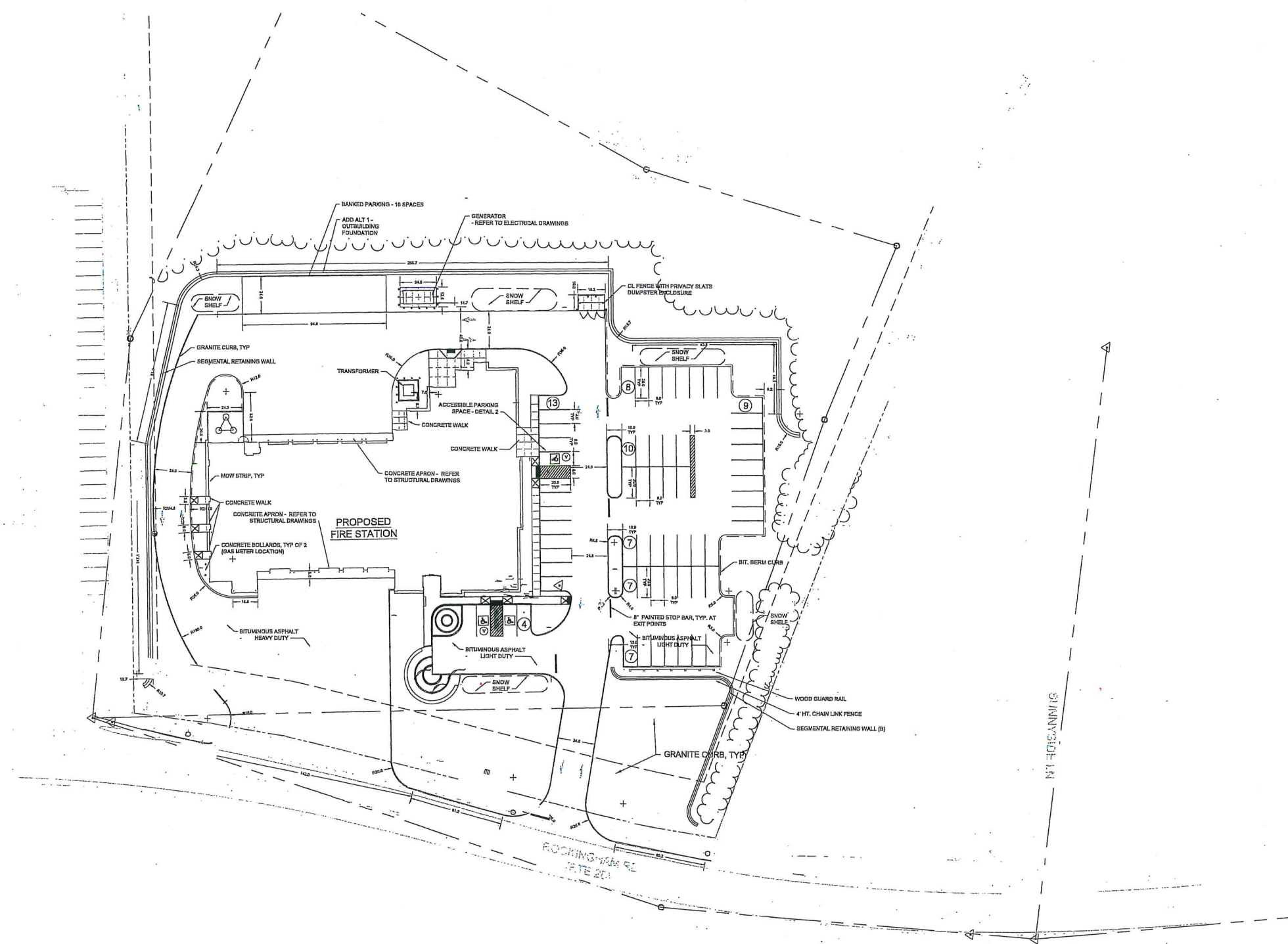
- Alteration of Terrain Permit # 230524-122
- Site is on a town owned section of the 28
- No wetlands were found on or near the site.

VARIANCES

- LED Messaging Board. Section 165-101.11 (A)
- 170-83 (B) A minimum of 5% interior landscaping (1,445 required) (930 sf provided)
- 170-84 B.4) 25% of trees and shrubs in landscaped islands
- Trees proposed 6, or 21% of total of 28 trees required
- Shrubs proposed 33 of the 33 shrubs required.

LEGEND

- PROPERTY LINE
- SETBACK LINE
- GRANITE CURB
- CAPE CDD BERM
- FLAG
- BOLLARDS
- POST AND SIGN
- CURBCLUT AND TACTILE SURFACE
- 14 PARKING TOTAL



90% CONSTRUCTION DOCUMENTS

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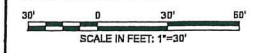
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NO.	REVISIONS	DATE

OVERALL SITE PLAN



DATE: 08-30-2023
 SCALE: 1" = 30'
 DWG: TGH CJK, DGM
 PROJ. NO.: 019002
 DWG. NO.:



L000



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NO.	DESCRIPTION	DATE
1	Design Review	10/22/23
2	Design Review	11/02/23
3	Revision to A/E/C Documents	11/15/23

NO. REVISIONS DATE

PROJECT TITLE
EROSION CONTROL PLAN

SCALE IN FEET: 1"=20'

DATE: 09-30-2023
SCALE: 1" = 20'
DWG: TDM
PROJ: 210002
DWG: 00

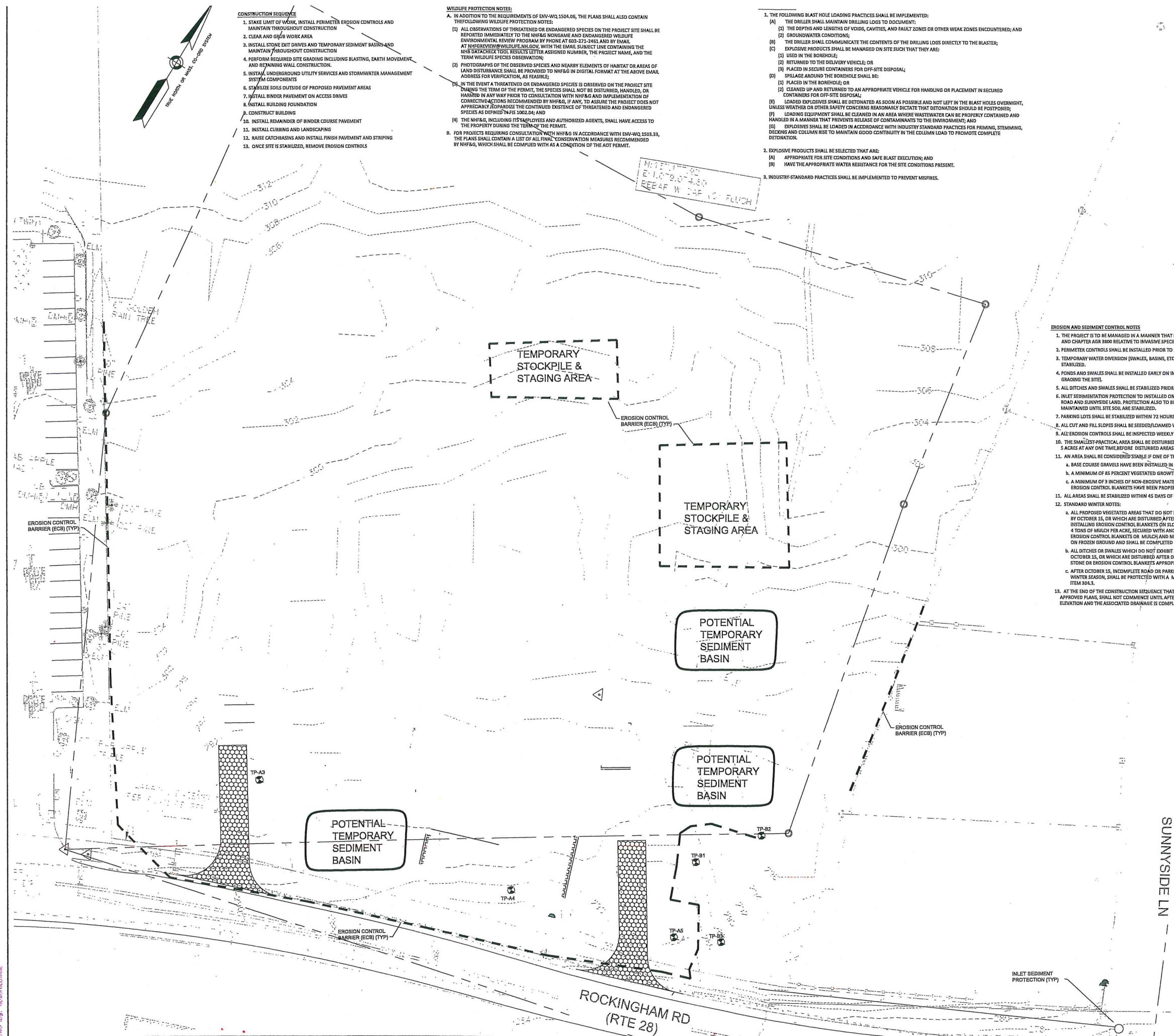
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- CONSTRUCTION SEQUENCE**
1. STAKE LIMIT OF WORK, INSTALL PERIMETER EROSION CONTROLS AND MAINTAIN THROUGHOUT CONSTRUCTION
 2. CLEAR AND GRUB WORK AREA
 3. INSTALL STONE EXIT DRIVES AND TEMPORARY SEDIMENT BASINS AND MAINTAIN THROUGHOUT CONSTRUCTION
 4. PERFORM REQUIRED SITE GRADING INCLUDING BLASTING, EARTH MOVEMENT AND REMAINING WALL CONSTRUCTION.
 5. INSTALL UNDERGROUND UTILITY SERVICES AND STORMWATER MANAGEMENT SYSTEM COMPONENTS
 6. STABILIZE SOILS OUTSIDE OF PROPOSED PAVEMENT AREAS
 7. INSTALL BINDER PAVEMENT ON ACCESS DRIVES
 8. INSTALL BUILDING FOUNDATION
 9. CONSTRUCT BUILDING
 10. INSTALL REMAINDER OF BINDER COURSE PAVEMENT
 11. INSTALL CURBING AND LANDSCAPING
 12. RAISE CATCHBASINS AND INSTALL FINISH PAVEMENT AND STRIPING
 13. ONCE SITE IS STABILIZED, REMOVE EROSION CONTROLS

- WILDLIFE PROTECTION NOTES:**
- A. IN ADDITION TO THE REQUIREMENTS OF ENV-WAQ 1504.06, THE PLANS SHALL ALSO CONTAIN THE FOLLOWING WILDLIFE PROTECTION NOTES:
- (1) ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SITE SHALL BE REPORTED IMMEDIATELY TO THE NHF&G NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-272-2462 AND BY EMAIL AT NHF&G@WILDLIFE.NH.GOV, WITH THE EMAIL SUBJECT LINE CONTAINING THE NHE DATACHECK TOOL RESULTS LETTER ASSIGNED NUMBER, THE PROJECT NAME, AND THE TERM WILDLIFE SPECIES OBSERVATION;
 - (2) PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE;
 - (3) IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HARMED, OR HARASSED IN ANY WAY PRIOR TO CONSULTATION WITH NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G. IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY DEGRADE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN FIS 1002.04; AND
 - (4) THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.
- B. FOR PROJECTS REQUIRING CONSULTATION WITH NHF&G IN ACCORDANCE WITH ENV-WAQ 1503.39, THE PLANS SHALL CONTAIN A LIST OF ALL FINAL CONSERVATION MEASURES RECOMMENDED BY NHF&G, WHICH SHALL BE COMPLIED WITH AS A CONDITION OF THE AOT PERMIT.

1. THE FOLLOWING BLAST HOLE LOADING PRACTICES SHALL BE IMPLEMENTED:
- (A) THE DRILLER SHALL MAINTAIN DRILLING LOGS TO DOCUMENT:
 - (1) THE DEPTHS AND LENGTHS OF VOID, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED; AND
 - (2) GROUNDWATER CONDITIONS;
 - (B) THE DRILLER SHALL COMMUNICATE THE CONTENTS OF THE DRILLING LOGS DIRECTLY TO THE BLASTER;
 - (C) EXPLOSIVE PRODUCTS SHALL BE MANAGED ON SITE SUCH THAT THEY ARE:
 - (1) USED IN THE BOREHOLE;
 - (2) RETURNED TO THE DELIVERY VEHICLE; OR
 - (3) PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL;
 - (D) SPILLAGE AROUND THE BOREHOLE SHALL BE:
 - (1) PLACED IN THE BOREHOLE; OR
 - (2) CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL;
 - (E) LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND NOT LEFT IN THE BLAST HOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED;
 - (F) LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT; AND
 - (G) EXPLOSIVES SHALL BE LOADED IN ACCORDANCE WITH INDUSTRY STANDARD PRACTICES FOR PRIMING, STEMMING, DECORING AND COLUMN RISE TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION.
2. EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE:
- (A) APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION; AND
 - (B) HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT.
3. INDUSTRY-STANDARD PRACTICES SHALL BE IMPLEMENTED TO PREVENT MISFIRES.

- EROSION AND SEDIMENT CONTROL NOTES**
1. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER 800 RELATIVE TO INVASIVE SPECIES.
 2. PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
 3. TEMPORARY WATER DIVERSION (SWALES, BASINS, ETQ) MUST BE USED AS NECESSARY UNTIL AREAS ARE STABILIZED.
 4. PONDS AND SWALES SHALL BE INSTALLED EARLY ON IN THE CONSTRUCTION SEQUENCE (BEFORE ROUGH GRADING THE SITE).
 5. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
 6. INLET SEDIMENTATION PROTECTION TO BE INSTALLED ON EXISTING CATCHBASINS AT INTERSECTION OF ROCKINGHAM ROAD AND SUNNYSIDE LANE. PROTECTION ALSO TO BE PLACED IN CATCHBASINS THAT ARE INSTALLED AND MAINTAINED UNTIL SITE SOIL ARE STABILIZED.
 7. PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
 8. ALL CUT AND FILL SLOPES SHALL BE SEEDED/LDAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE
 9. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
 10. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.
 11. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - a. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - b. A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - c. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED, OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
 12. STANDARD WINTER NOTES:
 - a. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
 - b. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
 - c. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.
 13. AT THE END OF THE CONSTRUCTION SEQUENCE THAT "LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE."



H: 11/15/23
E: 11/15/23
RECAP W/ DAP TO FLOOD

TEMPORARY STOCKPILE & STAGING AREA

TEMPORARY STOCKPILE & STAGING AREA

POTENTIAL TEMPORARY SEDIMENT BASIN

POTENTIAL TEMPORARY SEDIMENT BASIN

POTENTIAL TEMPORARY SEDIMENT BASIN

DWG ID: 210002-000-000-000



TOWN OF DERRY
DERRY FIRE STATION
 55 Rockingham Road
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90% CONSTRUCTION DOCUMENTS

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Wendel W&A Architects, Engineering, Surveying and
 Landscape Architecture, P.C.

PROJECT TEAM

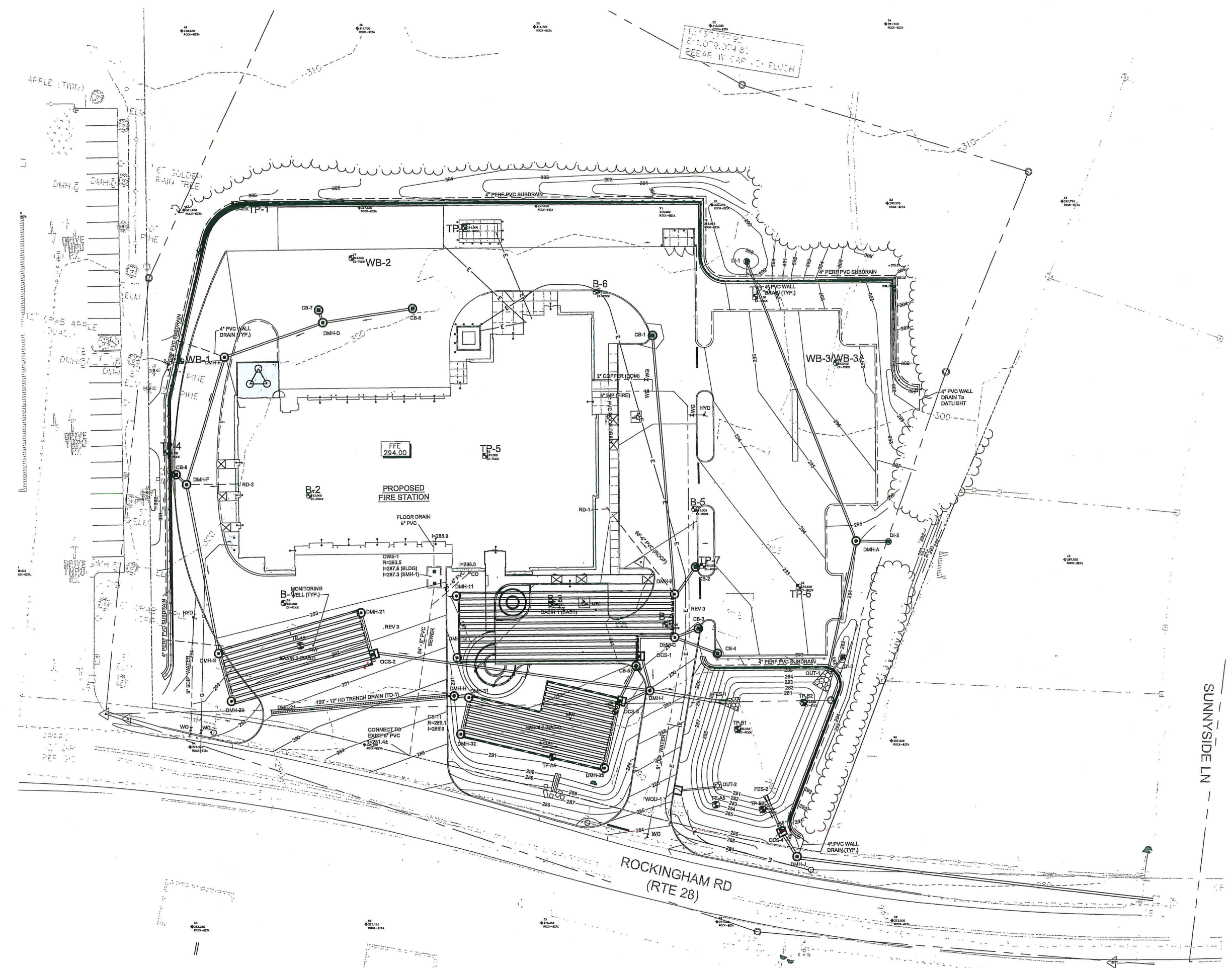
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 518.772.5866



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NO.	REVISIONS	DATE

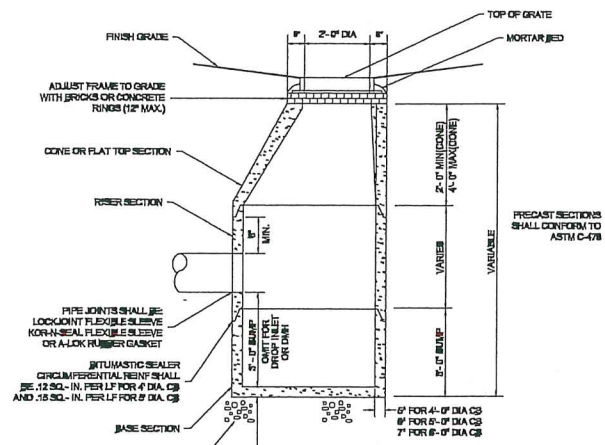
DRAINAGE PLAN



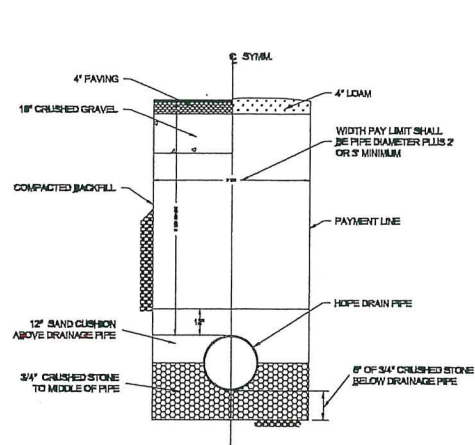
DATE: 08-30-2023
 SCALE: 1" = 30'
 DWG: PP C&L DGM
 PROJ. NO.: 819992
 DWG. NO.:



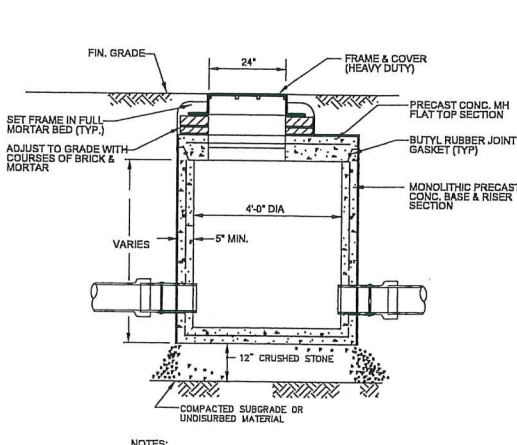
C100



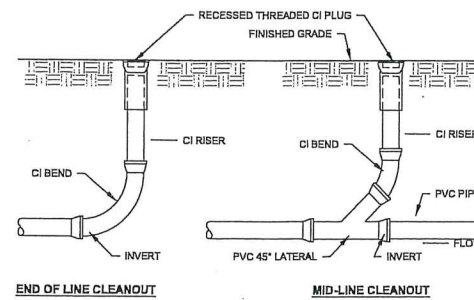
CATCHBASIN (CB)
NOT TO SCALE



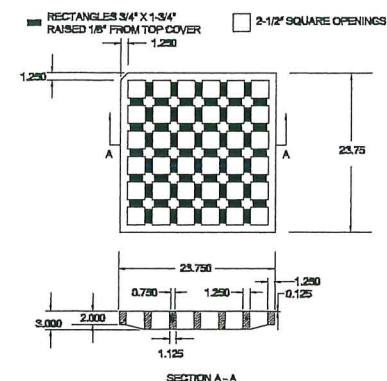
TYP. DRAIN TRENCH DETAIL
NTS.



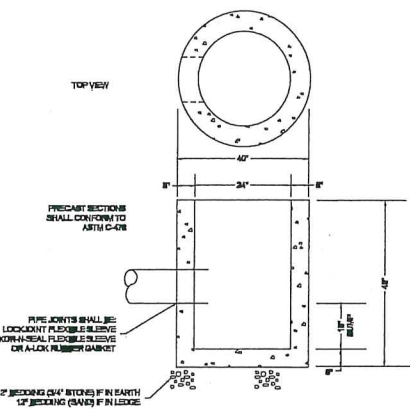
PRECAST DRAIN MANHOLE (DMH)
NOT TO SCALE



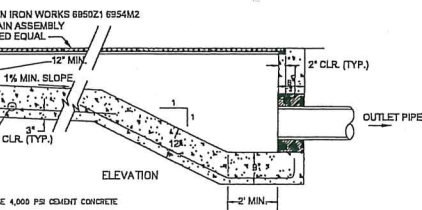
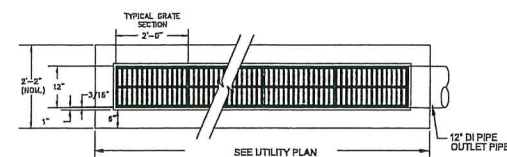
CLEANOUT
NOT TO SCALE



24\"/>



PRECAST REINFORCED DROP INLET
NTS.



TRENCH DRAIN (HEAVY DUTY)
NOT TO SCALE

STRUCT. ID	ELEVATIONS		PIPE DATA		DIA. (IN)	MAT.	
	RIM	INVERT	IN (FROM)	OUT (TO)			
DI-1	297.7	291.0	-	DMH-A	166	12	HDPE BEEHIVE GRATE
DI-2	293.5	290.0	-	DMH-A	18	12	HDPE BEEHIVE GRATE
DMH-A	293.3	289.0					
		289.0		DI-1			
		289.0		DI-2			
DI-3	291.5	287.6	-	OUT-1	74	12	HDPE
OUT-3	-	287.0	-	OUT-1	10	8	PVC BEEHIVE GRATE
		285.0		DMH-A			
CB-1	292.7	288.6	-	DMH-B	142	12	HDPE
CB-2	291.5	287.6	-	DMH-B	16	12	HDPE
RD-1	-	291.0	-	DMH-B	68	6	PVC
DMH-B	291.5	288.0					
		287.5		CB-1			
		287.5		CB-2			
		287.5		DMH-C	26	15	HDPE 5' DIA DMH & MANIFOLD TO BASIN 1
CB-3	290.8	288.3	-	DMH-C	8	12	DI
CB-4	290.9	288.4	-	DMH-C	20	12	DI
DMH-C	291.0	288.2					
		287.3		CB-3			
		287.3		CB-4			
		287.3		DMH-B			
		287.3		BAS-1	18	15	HDPE
DMH-11	293.2	287.3	-	BAS-1			SEE DETAIL FOR PIPE CONNECTIONS
DMH-12	292.6	287.3	-	BAS-1			SEE DETAIL FOR PIPE CONNECTIONS
OSC-1	291.1	287.3					
		287.0		DMH-I	16	12	HDPE
CB-6	293.0	289.8	-	DMH-D	48	12	HDPE
CB-7	293.0	289.7	-	DMH-D	4	12	HDPE
DMH-D	293.1	289.5					
		289.5		CB-5			
		289.5		CB-7			
DMH-E	289.1	289.1		DMH-D	56	12	HDPE
		289.1		DMH-F	72	12	HDPE
CB-8	289.3	289.1		DMH-F	6	12	HDPE
RD-2	-	289.5		DMH-F	28	6	PVC
DMH-F	293.4	289.2					
		289.0		RD-2			
		289.0		CB-8			
		288.9		DMH-E			
		288.7		DMH-G	94	15	HDPE
DMH-G	293.2	288.2		DMH-F			
		286.9		BAS-2	24	12	HDPE MANIFOLD TO BASIN 1
DMH-21	292.7	286.9	-	BAS-2			SEE DETAIL FOR PIPE CONNECTIONS
DMH-22	291.2	286.9	-	BAS-2			SEE DETAIL FOR PIPE CONNECTIONS
OSC-2	291.5	286.9					
		286.8		DMH-I	158	12	HDPE
TD-1	289.5	287.8		DMH-H	4	10	PVC
DMH-H	291	287.7					
		287.7		BAS-3	8	12	HDPE DMH W/ 4' SUMP & HOOD (CB DETAIL)
CB-5	291.0	287.8	-	OSC-3	14	12	HDPE
DMH-31	291.8	287.7					
DMH-32	291.2	287.7		BAS-3			SEE DETAIL FOR PIPE CONNECTIONS
DMH-33	291.2	287.7		BAS-3			SEE DETAIL FOR PIPE CONNECTIONS
OSC-3	291.2	287.7					
		287.7		BAS-3			
		286.5		DMH-I	14	12	HDPE
DMH-I	289.9	286.0					
		285.0		OCS-3			
		285.0		OCS-1			
		284.0		OCS-2			
FES-1	-	283.8		DMH-I	42	18	HDPE
OUT-1	-	287.0		DI-3			
WQU-1	286.0	282.0		OUT-2	20	8	PVC THROAT AT 285.5
OUT-2	-	281.8		WQU-1			
FES-2	-	281.0		OCS-4		15	HDPE
OCS-4	287.0	280.8		FES-2			
		280.5		DMH-J	14	15	HDPE
DMH-J	286.0	280.3					
		280.3		EX. CB	330	15	HDPE
EX. CB	271.4	267.9		DMH-J			FIELD VERIFY EXIST RIM & INVERT
		EXIST.		EXIST.			

DRAINAGE SCHEDULE
NOT TO SCALE



GOVE ENVIRONMENTAL SERVICES, INC.

May 9, 2023

David McKinley
BETA Group, Inc.
315 Norwood Park South
Norwood, MA 02062

Subject: Wetland Delineation--Derry Fire Station Site
Map 5 Lot 43
Rockingham Road
Derry, NH

Dear Mr. McKinley:

I am pleased to provide you with documentation of our wetland investigation on approximately 4 acres of undeveloped land at the southeast corner of Map 5 Lot 43 in Derry, NH and as shown on the attached sketch provided to us for the work (the Survey Area). The wetland investigation was performed on 5/9/23 utilizing the following wetland delineation standards:

1. US Army Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1 (Jan 1987) AND Regional Supplement to Corps of Engineers Wetland Delineation Manual, Northeast and Northcentral Region, Version 2.0, January 2012.
2. New England Hydric Soils Technical Committee, 2018 Version 4, Field Indicators for Identifying Hydric Soils in New England, New England Interstate Water Pollution Control Commission, Lowell, MA.
3. North American Digital Flora: National Wetland Plant List, current version.

The property is predominantly a mature forest dominated by Eastern White Pine with no development except for a small gravel storage area and gated access from Rockingham Road. No wetlands were identified within the Survey Area during the investigation. If you have any questions or if I can be of further assistance, please feel free to contact me at (603) 778-0644.

Sincerely,

Brandon Quigley

Brandon Quigley, NHCWS #249
Gove Environmental Services, Inc.

Enc. Sketch of Survey Area Limits

8 Continental Dr Unit H, Exeter, NH 03833-7507
Ph: (603) 778-0644 / Fax: (603) 778-0644
www.goves.com
info@goves.com



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NO.	REVISIONS	DATE

CIVIL DETAILS

DATE: 08-30-2023
SCALE: NONE
DRAWN: PP
CHECK: DGM
PROJECT NO.: 619302
DATE: 08-30-2023

C202



TOWN OF DERRY
DERRY FIRE STATION
36 Rockingham Road
Derry, NH 03038

90% CONSTRUCTION DOCUMENT

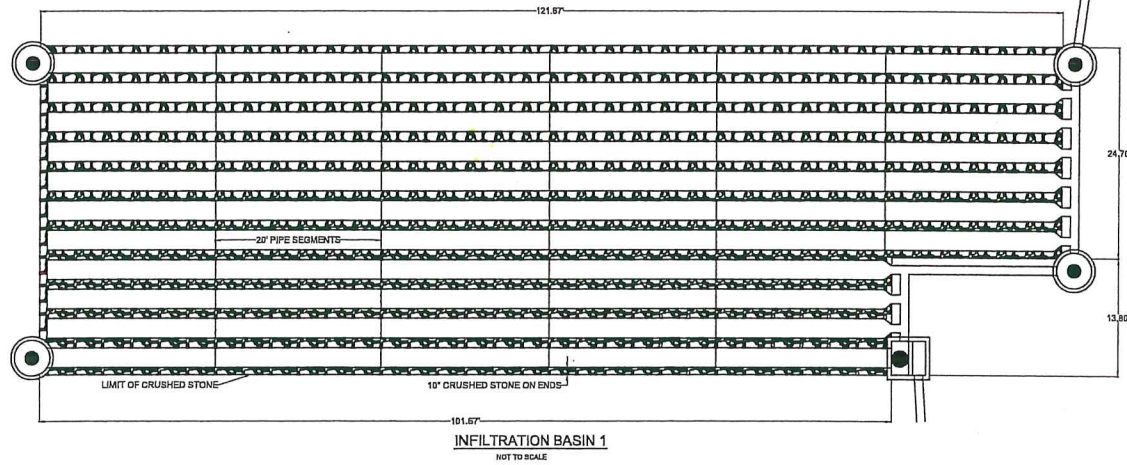
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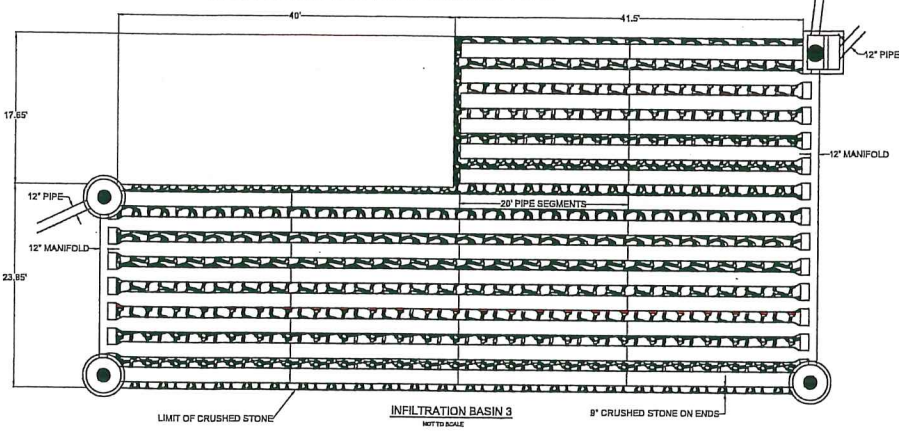
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62, TWENTY FOOT SECTIONS OF TWENTY FOUR INCH DIAMETER PERFORATED PIPE



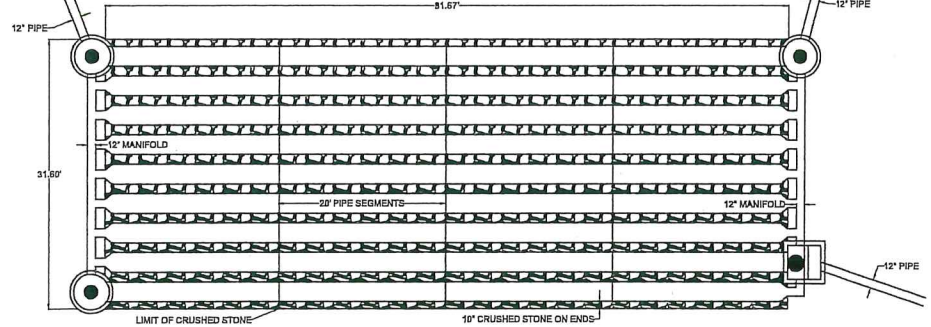
INFILTRATION BASIN 1
NOT TO SCALE

44, TWENTY FOOT SECTIONS OF EIGHTEEN INCH DIAMETER PERFORATED PIPE

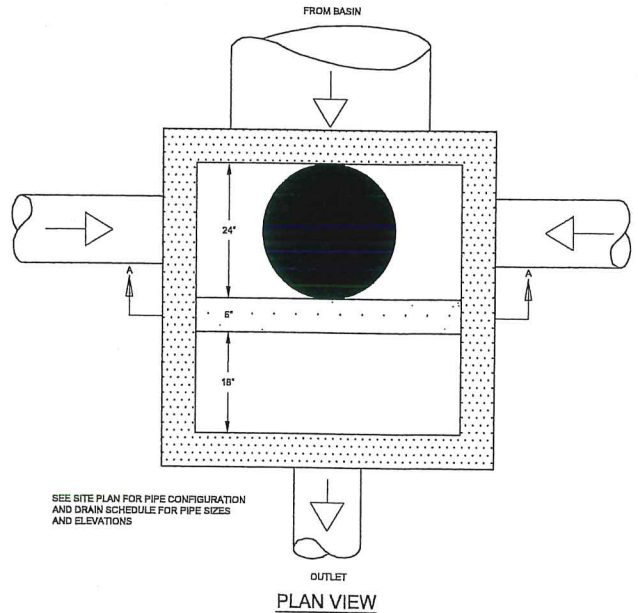


INFILTRATION BASIN 3
NOT TO SCALE

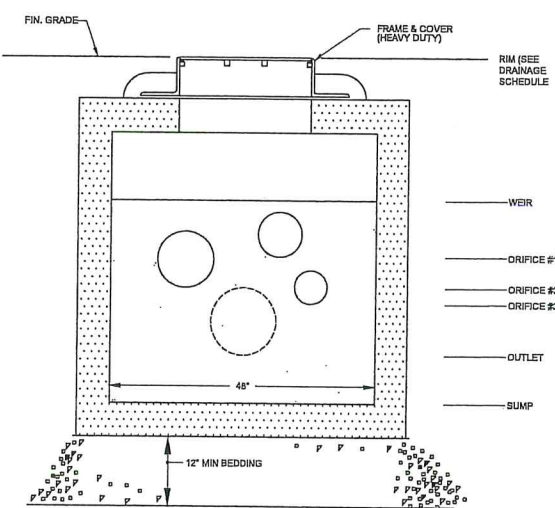
36, TWENTY FOOT SECTIONS OF TWENTY FOUR INCH DIAMETER PERFORATED PIPE



INFILTRATION BASIN 2
NOT TO SCALE



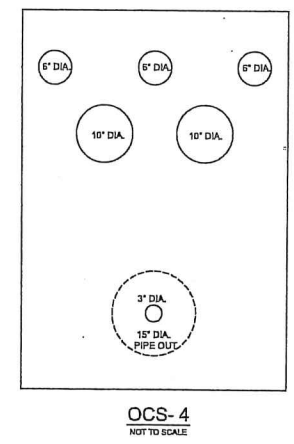
PLAN VIEW



SECTION A-A
NOT TO SCALE

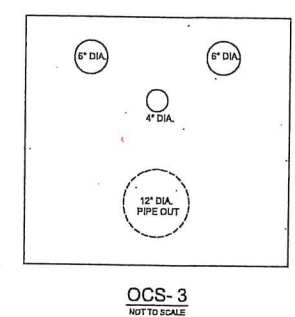
BASIN #	SYSTEM ELEVATIONS (ft.)				PIPE INFO. (in)		
	STONE BOTTOM	PIPE INVERT	STONE TOP	DIAMETER	SPACING	CRUSHED STONE T&B	
BASIN 1	287.0	287.33	288.0	24	42.4	4	
BASIN 2	286.5	286.83	287.5	24	42.4	4	
BASIN 3	287.2	287.7	288.95	18	35.3	6	

INFILTRATION BASIN INFORMATION
NOT TO SCALE



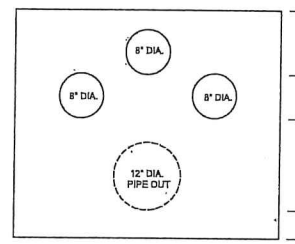
OCS-4
NOT TO SCALE

WEIR = 285.6
ORIFICE (x2) = 284.5
ORIFICE (x2) = 283.35
OUTLET 285.5
SUMP = 280.0



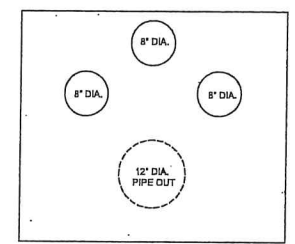
OCS-3
NOT TO SCALE

WEIR = 285.75
ORIFICE (x2) = 288.9
ORIFICE = 288.35
OUTLET 286.5
SUMP = 286.0



OCS-2
NOT TO SCALE

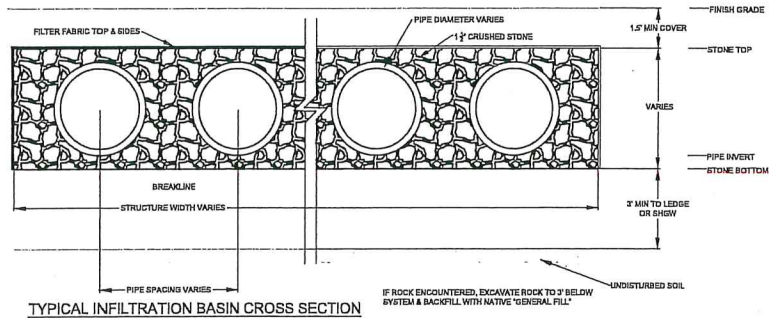
WEIR = 289.7
ORIFICE (x2) = 288.15
OUTLET 286.8
SUMP = 286.3



OCS-1
NOT TO SCALE

WEIR = 289.9
ORIFICE (x2) = 289.1
OUTLET 287.0
SUMP = 286.5

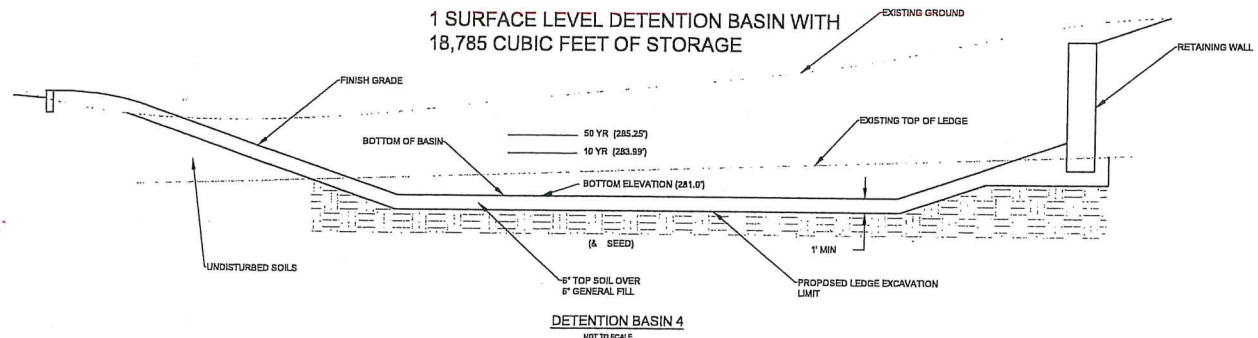
OUTLET CONTROL STRUCTURE (OCS)
NOT TO SCALE



TYPICAL INFILTRATION BASIN CROSS SECTION

IF ROCK ENCOUNTERED, EXCAVATE ROCK TO 2' BELOW SYSTEM & BACKFILL WITH NATIVE 'GENERAL FILL'

1 SURFACE LEVEL DETENTION BASIN WITH 18,785 CUBIC FEET OF STORAGE



DETENTION BASIN 4
NOT TO SCALE

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NO.	DESCRIPTION	DATE
1	Complete System Schematic	10/20/20
2	Complete System Schematic	02/11/21
3	Revisions to ADT Contract	01/11/21

CIVIL DETAILS

DATE: 08-30-2023
SCALE: NONE
DWG: PP CIVIL DGM
PROJ. No: 81902
DWG. No:

C203

DEMOLITION NOTES

1. EXISTING UTILITIES AND LOCATIONS INFORMATION IS BASED ON AVAILABLE INFORMATION AND RECORDS. LOCATIONS SHOWN ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL HAVE ALL UTILITIES MARKED ON THE GROUND. SEE SPECIFICATION FOR REQUIREMENTS.
2. PRIOR TO ANY CONSTRUCTION OR DEMOLITION CONTRACTOR SHALL CONTACT DIGSAFE AT 811, A MINIMUM OF 72 HOURS IN ADVANCE. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ON-SITE UTILITIES LOCATION SERVICES.
3. PRIOR TO ANY CONSTRUCTION CONTRACTOR SHALL INSTALL ALL NECESSARY EROSION CONTROL MEASURES SHOWN ON PLAN, OR AS REQUIRED. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STANDARDS OF NEW HAMPSHIRE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, AS AMENDED, AND OR LOCAL MUNICIPALITY REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
4. EXISTING CONDITIONS AND UTILITIES INFORMATION WAS OBTAINED FROM SURVEY AND ELECTRONIC FILES ENTITLED "EXISTING CONDITIONS PLAN" SCALE 1"=40' DATED 11-16-2022 BY PROMISED LAND SURVEYING, LLC.
5. CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY AND SECURITY. CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE TEMPORARY CONSTRUCTION FENCE TO ENCLOSE AND SECURE THE SITE DURING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ADJUST THE LOCATION, GATES AND ACCESS, AS NEEDED TO ACCOMMODATE CONSTRUCTION OPERATIONS FOR THE DURATION OF THE PROJECT. EXISTING FENCE MAY BE USED WHERE POSSIBLE.
6. IMPROVEMENTS INDICATED TO BE REMOVED SHALL BE REMOVED TO THEIR FULL DEPTHS. UTILITIES DEMOLITION SHALL BE MADE IN ACCORDANCE WITH SPECIFICATION AND LOCAL UTILITY STANDARDS FOR ABANDONMENT/REMOVAL.
7. AREAS OF EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. REVIEW ACTUAL LIMITS OF CLEARING WITH THE OWNER/ARCHITECT, AND SELECTIVELY CLEAR AND PRUNE AS REQUIRED TO REMOVE DEAD, DISEASED, OR POORLY FORMED VEGETATION.
8. ADDITIONAL UTILITY DEMOLITION INFORMATION IS NOTED ON MEP DRAWING.
9. ALL DEBRIS AND EXCESS MATERIALS SHALL BE PROMPTLY REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
10. ANY IMPROVEMENTS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.



**TOWN OF DERRY
DERRY FIRE STATION**
55 Rockingham Road
Derry, NH 03258

60% DESIGN DEVELOPMENT

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Landscape Architects, P.C.

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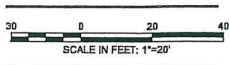
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PHONE clark@clarkbuild.com

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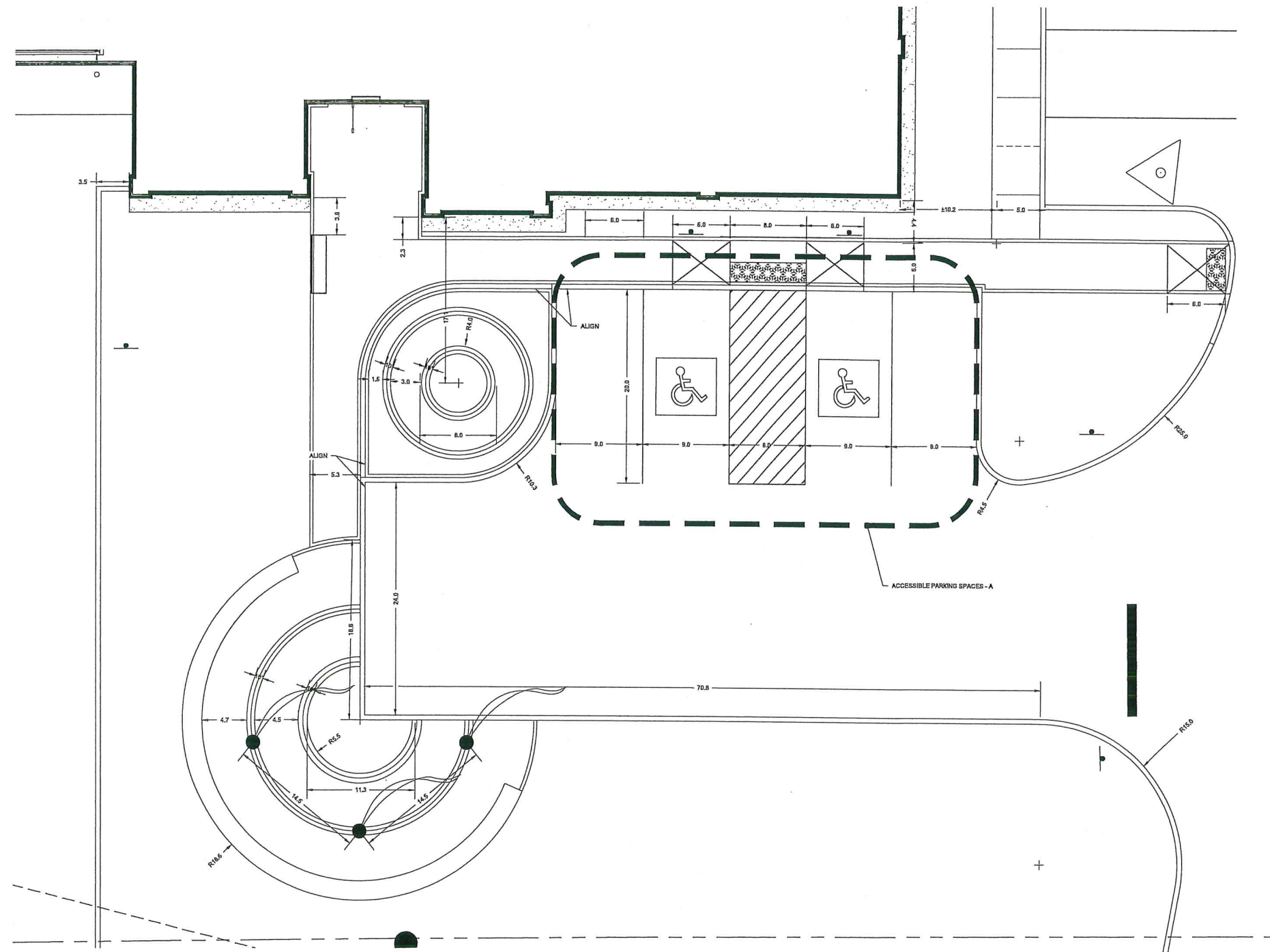
NO.	REVISIONS	DATE
1	Change System Approval	05/09/23
2	Change System Approval	05/25/23
3	Revisions by ADT Comments	05/11/23

DEMOLITION PLAN



DATE: 05-30-2023
SCALE: 1"=20'
DWN: TCH CHK: DGM
PROJ. NO.: 615992
DWG. NO.:





LEGEND

- PROPERTY LINE
- SETBACK LINE
- GRANITE CURB
- CAPE COD BERM
- FLAG
- BOLLARDS
- ⊥ POST AND SIGN
- ▭ CURB CUT AND TACTILE SURFACE



TOWN OF DERRY
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90% CONSTRUCTION DOCUMENTS

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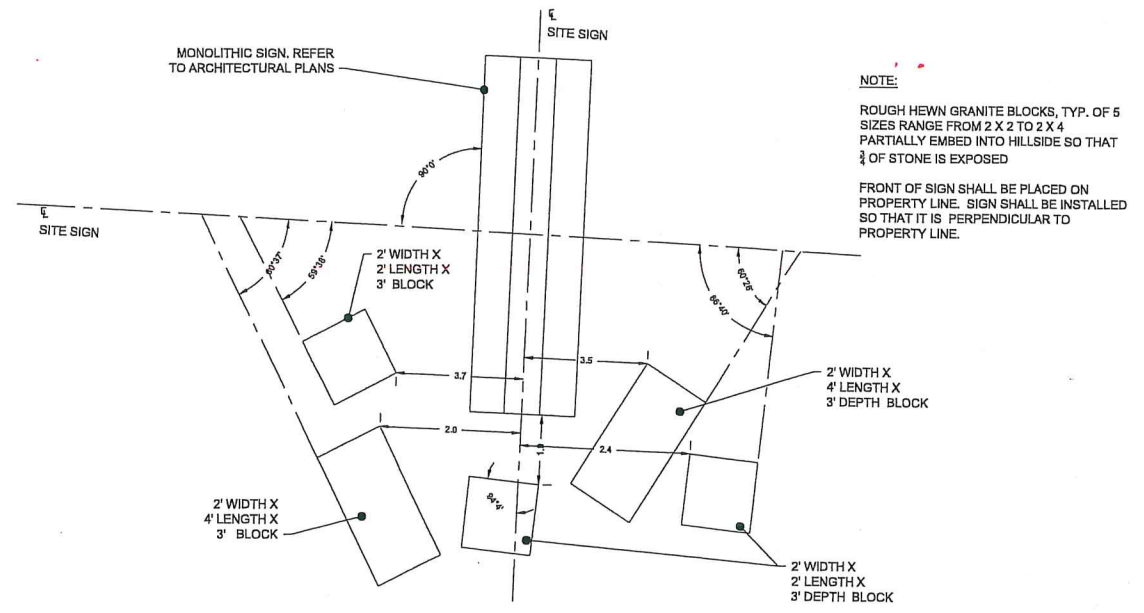
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 781.555.9932 wendel@wendelcorp.com

ENLARGEMENT 1
 SCALE = 1" = 5'



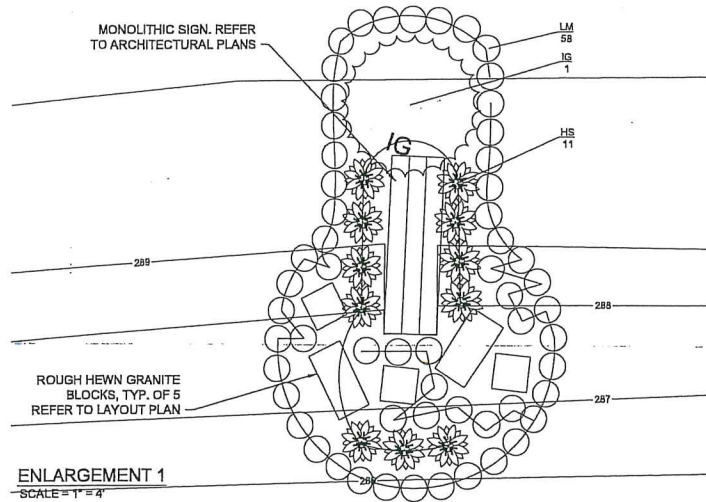
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NO.	REVISIONS	DATE
1	Checked System Permits	10/03/23
2	Checked System Permits	10/03/23
3	Reviewed 10/17/23 Comments	10/17/23
4	Reviewed 10/17/23 Comments	10/17/23

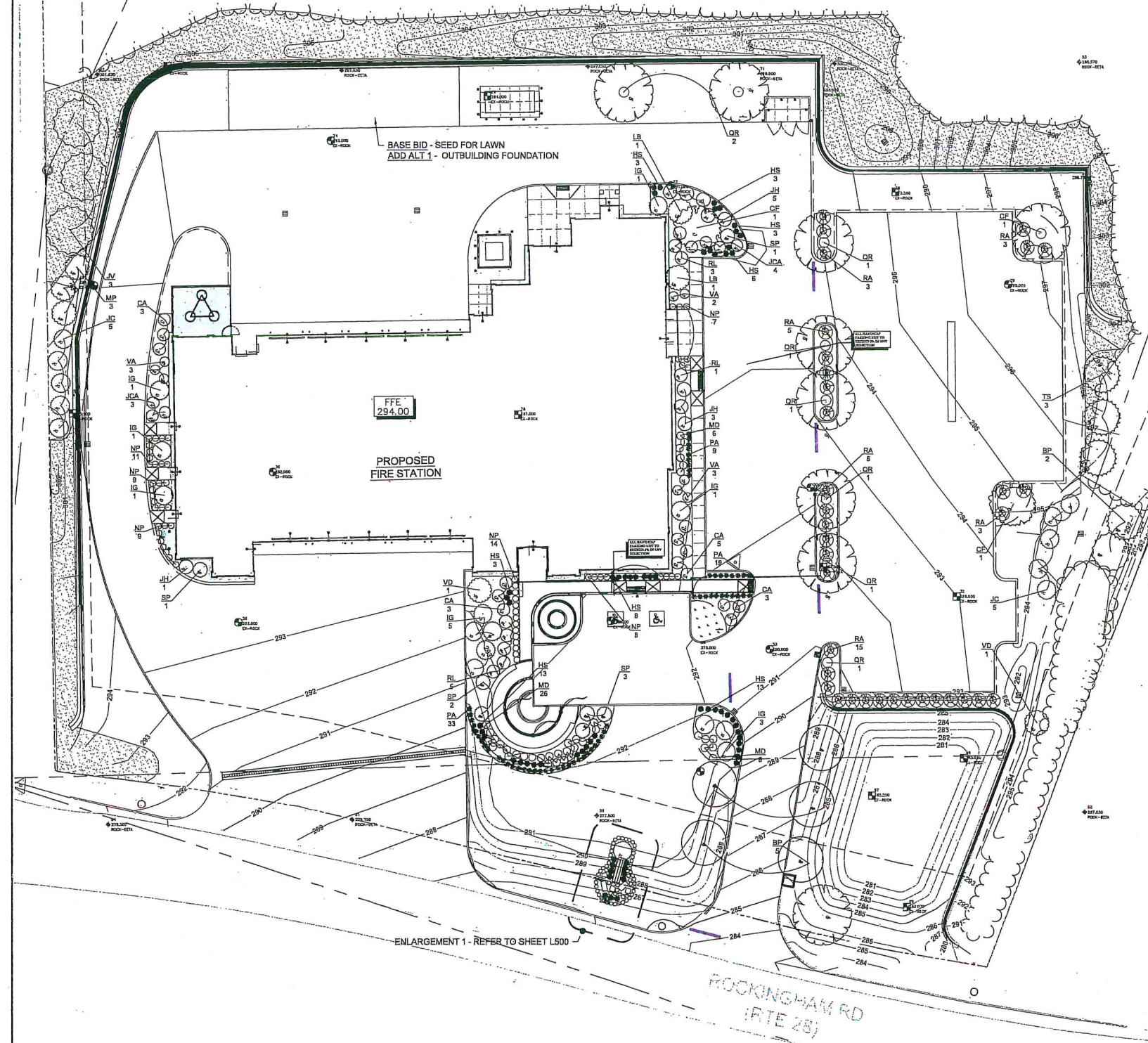
LAYOUT PLAN - FRONT ENTRANCE ENLARGEMENT

SCALE IN FEET: 1" = 5'

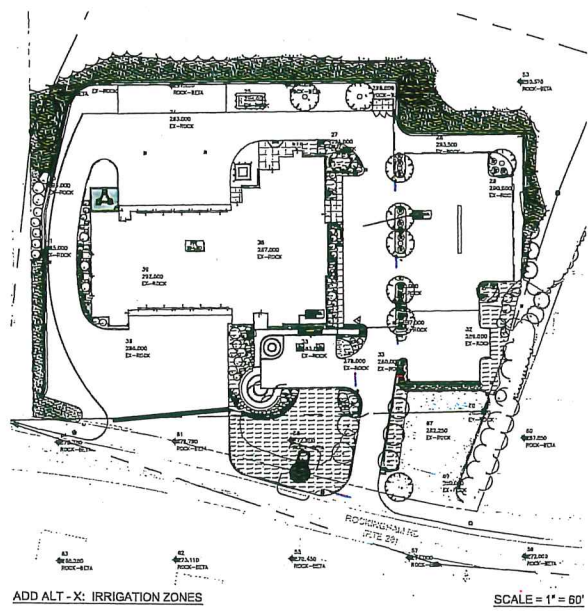
DATE: 09-30-2023
 SCALE: 1" = 5'
 DWG: TDH CHK: DGM
 PROJ. NO.: E19902
 DWG. NO.:



ENLARGEMENT 1
SCALE = 1" = 4'



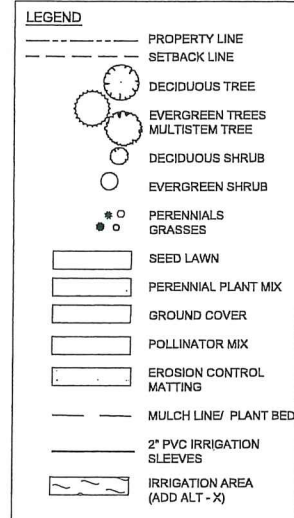
ENLARGEMENT 1 - REFER TO SHEET L500



NOTE: PERENNIAL PLANT MIX NUMBERS ARE SHOWN ON PLAN. CONTRACTOR SHALL BLEND PLANTS IN CLUMPS OF 2 OR 3 FROM MIXES FOR EACH AREA CALLED OUT.

PLANTING NOTES

1. ALL EXTERIOR GROUND AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY BUILDINGS, STRUCTURES, PAVING, CONTIGUOUS PLANTING BEDS OR OTHER SITE IMPROVEMENTS SHALL BE GRADED, TOPSOILED TO A MINIMUM DEPTH OF 6" AND GRASS SEEDDED.
2. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE NH ASSOCIATION OF LANDSCAPE CONTRACTORS SPECIFICATIONS AND THE AMERICAN LANDSCAPE & NURSERY ASSOCIATION STANDARDS FOR NURSERY STOCK.
3. WEED FABRIC SHALL PROVIDE FULL COVERAGE OVER TOPSOIL THROUGHOUT PLANTING BEDS. OVERLAP ALL INDIVIDUAL PIECES OF FABRIC. WRAP FABRIC A MINIMUM OF 2" UP SIDES OF ABUTTING EDGING, SITE AMENITIES (BOLLARDS, LIGHTS, WALLS, ECT.) AND CONCRETE WALKS. THERE SHALL BE NO GAPS IN FABRIC. FABRIC SHALL NOT BE VISIBLE AT GRADES OR ABOVE THE MULCHING SOIL.
4. ALL TREE STAKING OR GUYING SHALL BE DONE IMMEDIATELY AFTER PLANTING, BUT IN NO INSTANCE MORE THAN 24 HOURS AFTER PLANTING. SEE STAKING/GUYING DETAIL. AT COMPLETION OF MAINTENANCE PERIOD REMOVE ALL STAKES, FLAGS, GUYS, TREE WRAP, AND ANCHORS.
5. MULCH ALL NEW SHRUB BEDS AND PLANT PITS TO ACHIEVE A 4" DEPTH (3" AFTER SETTLEMENT). MULCH ALL GROUND COVER BEDS TO ACHIEVE A 3" DEPTH (2" AFTER SETTLEMENT). MULCH FOR SAUCERS AND PLANTING AREAS TO BE A DOUBLE SHREDDED BARK MULCH.
6. ALL LAWN AND PLANTING AREA SOIL PREPARATION SHALL BE FERTILIZED AND AMENDED ACCORDING TO RECOMMENDATIONS OF A SOIL ANALYSIS PROVIDED BY AN APPROVED SOIL TESTING LABORATORY.
7. SEE SPECIFICATIONS FOR LAWN AREA SEED MIXTURE PROVIDE LAWN DEVELOPMENT IN ALL AREAS OF SELECTIVE CLEARING AS DIRECTED.
8. FINAL LOCATION OF PLANT MATERIAL TO BE APPROVED BY ARCHITECT IN THE FIELD.
9. THE PLANT LIST APPEARS ON THE DRAWINGS FOR THE CONTRACTOR'S INFORMATION ONLY AND NO GUARANTEE IS EXPRESSED OR IMPLIED THAT QUANTITIES THEREIN ARE CORRECT OR THAT THE LIST IS COMPLETE. CONTRACTOR SHALL GUARANTEE THAT ALL PLANT MATERIALS SHOWN ON THE DRAWINGS ARE INCLUDED IN THE FINAL PROJECT. THE SUBMISSION OF A BID BY THE CONTRACTOR ACKNOWLEDGES THAT THE PLANT MATERIAL TYPES AND SIZES SHOWN ON THE CONTRACT DOCUMENTS ARE AVAILABLE.



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NO.	REVISIONS	DATE

PLANTING PLAN

DATE: 08-30-2023
SCALE: 1"=20'
DWG: TCH
CHK: DM
PRJ: 16-18902
DWG: 16-18902

PROJECT TRUE
SCALE IN FEET: 1"=20'
1500



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60% DESIGN DEVELOPMENT

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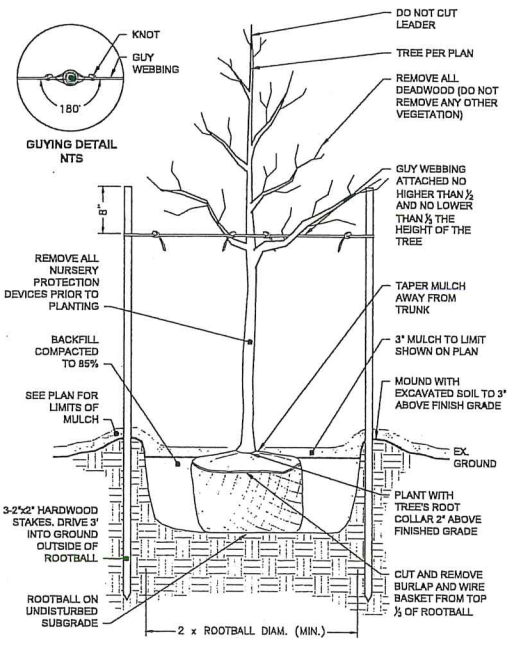
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PLANT LIST *						
	QTY	KEY	BOTANICAL	COMMON	SIZE	REMARKS
TREES						
	7	BP	BETULA POPULIFOLIA	GRAY BIRCH	2-2.5 CAL	B&B
	3	CF	CORNUS FLORIDA	FLORIDA DOGWOOD	2-2.5 CAL/ 5-6' HT.	B&B
	3	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	2-2.5 CAL/ 6-7' HT.	B&B
	8	QR	QUERCUS RUBRA	RED OAK	2-2.5' CAL	B&B
	3	TS	TSUGA CANADENSIS	CANADIAN HEMLOCK	2-2.5 CAL/ 6-7' HT.	B&B
SHRUBS						
	14	CA	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	3 GAL	CONTAINER
	11	IG	ILEX GLABRA 'STRONGBOX'	STRONGBOX INKBERRY	3 GAL	CONTAINER
	10	JC	JUNIPERUS COMMUNIS	COMMON JUNIPER	3 GAL	CONTAINER
	9	JH	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	3 GAL	CONTAINER
	7	JCA	JUNIPERUS CONFERTA 'ALL GOLD'	ALL GOLD SHORE JUNIPER	3 GAL	CONTAINER
	2	LB	LINDERA BENZON	SPICE BUSH	3 GAL	CONTAINER
	3	MP	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	3 GAL	CONTAINER
	35	RA	RHUS AROMATICA 'GRO LOW'	GRO LOW FRAGRANT SUMAC	3 GAL	CONTAINER
	9	RL	RHODODENDRON LAETEVIRENS	WILSON RHODODENDRON	2 GAL	CONTAINER
	8	SP	SYRINGA PATULA 'MISS KIM'	MISS KIM MANCHURIAN LILAC	3 GAL	CONTAINER
	8	VA	VACCINIUM ANGUSTIFOLIUM	LOWBUSH BLUEBERRY	1 GAL	CONTAINER
	2	VD	VIBURNUM DEYATATUM	ARROWWOOD VIBURNUM	3 GAL	CONTAINER
PERENNIALS						
	63	HS	HEMEROCALLIS 'STELLA D'ORO'	REBLOOMING DAYLILIES	1 GAL	CONTAINER
	58	LM	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILYTURF	1 GAL	CONTAINER
	38	MD	MONARDA DIDYMA 'JACOB CLINE'	JACOB CLINE SEE BALM	1 GAL	CONTAINER
	49	NP	NEPETA 'PURRSIAN BLUE'	PURRSIAN BLUE CATMINT	1 GAL	CONTAINER
	15	RH	PENNISETUM ALOPECUROIDES 'PIGLET'	PIGLET DWARF POUNTAIN GRASS	1 GAL	CONTAINER

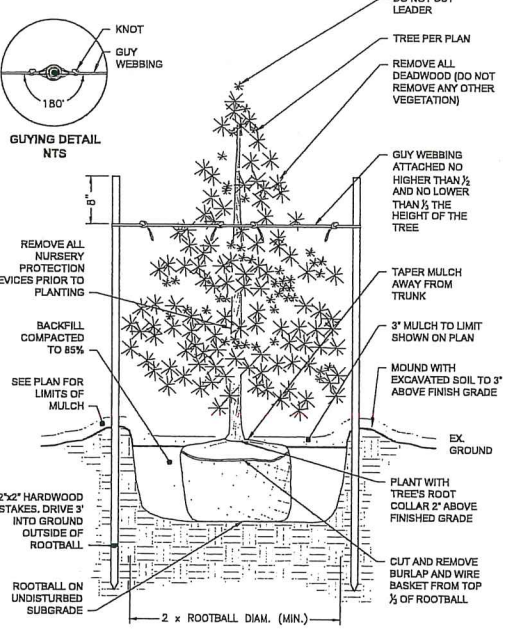
POLLINATOR MIX:
RHODIUM SLOPE SEED (WF) TYPE 4s: CREEPING FESCUE, PERENNIAL RYEGRASS, REDTOP, ALSIKE CLOVER, BIRDSFOOT TREFOIL, LANCE-LEAVED COREOPSIS, OXEYE DAISY, BLACKEYED SUSAN WILD LUPINE.

* THE PLANT LIST APPEARS ON THE DRAWINGS FOR THE CONTRACTOR'S INFORMATION ONLY AND NO GUARANTEE IS EXPRESSED OR IMPLIED THAT QUANTITIES THEREIN ARE CORRECT OR THAT THE LIST IS COMPLETE. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANT MATERIALS SHOWN ON THE DRAWINGS ARE INCLUDED IN THE FINAL PROJECT. THE SUBMISSION OF A BID BY THE CONTRACTOR ACKNOWLEDGES THAT THE PLANT MATERIAL TYPES AND SIZES SHOWN ON THE CONTRACT DOCUMENTS ARE AVAILABLE.



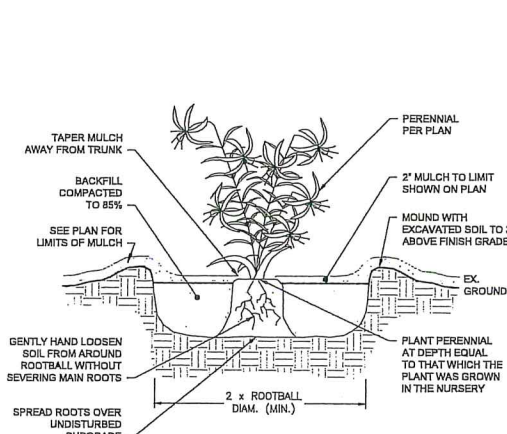
NOTE: AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.

DECIDUOUS TREE STAKING & PLANTING
NOT TO SCALE

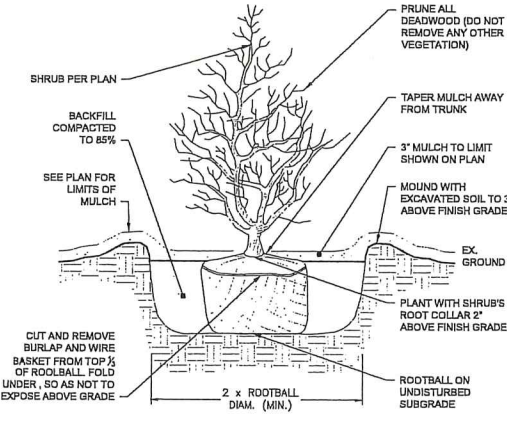


NOTE: AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.

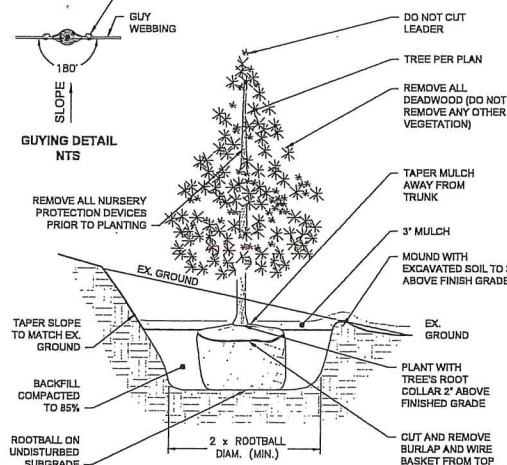
EVERGREEN TREE STAKING & PLANTING
NOT TO SCALE



PERENNIALS & GRASSES PLANTING
NOT TO SCALE

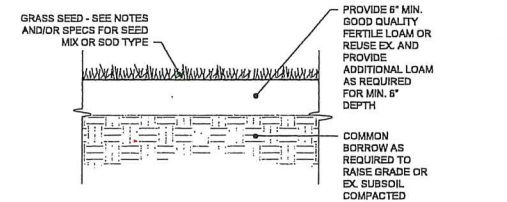


SHRUB PLANTING
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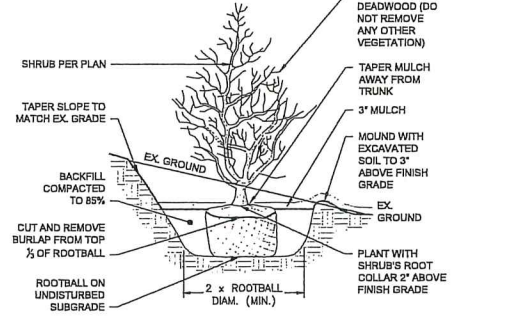


NOTE: SLOPE PLANTING STAKES SHALL BE PLACED PARALLEL TO SLOPE.

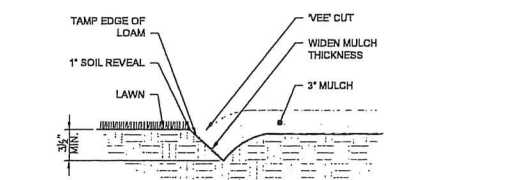
EVERGREEN TREE PLANTING ON SLOPE
NOT TO SCALE



LOAM AND SEED
NOT TO SCALE



SHRUB PLANTING ON SLOPE
NOT TO SCALE



NOTE: LOCATE BEDLINE AS SHOWN ON PLAN.

BEDLINE EDGE
NOT TO SCALE

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NO.	DATE	DESCRIPTION	BY
1	05-30-2023	ISSUED FOR PERMITS	DM
2	05-30-2023	ISSUED FOR PERMITS	DM
3	05-30-2023	ISSUED FOR PERMITS	DM

DATE: 05-30-2023

SCALE: AS INDICATED

DRAWN: DM

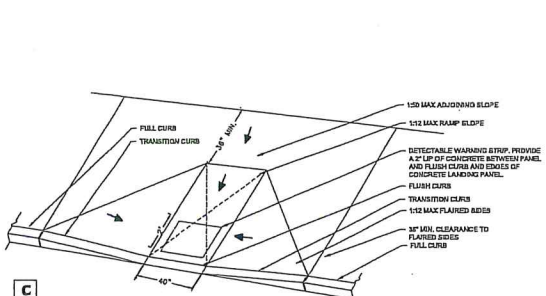
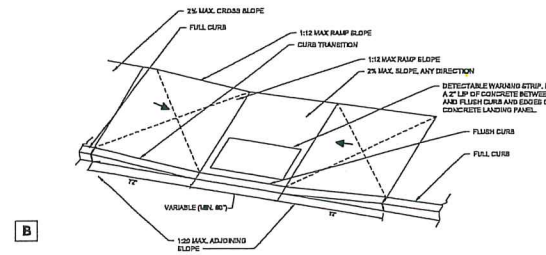
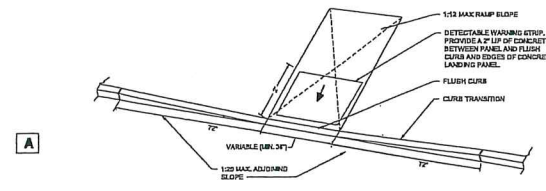
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PROJECT NO.: 619902

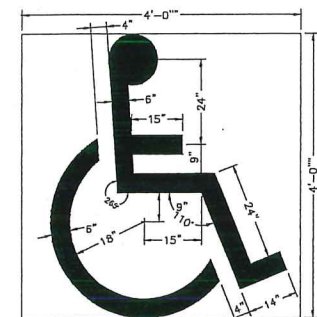
DWG. NO.:

PLANTING DETAILS

DATE: 05-30-2023
SCALE: AS INDICATED
DRAWN: DM
CHECKED: DM
PROJECT NO.: 619902
DWG. NO.:

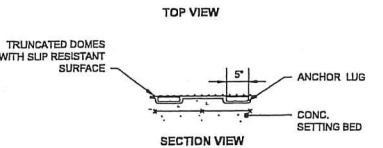
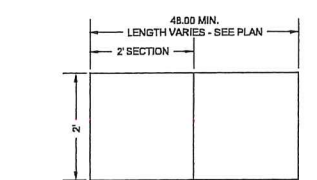


ACCESSIBLE CURB CUTS
SCALE: NOT TO SCALE



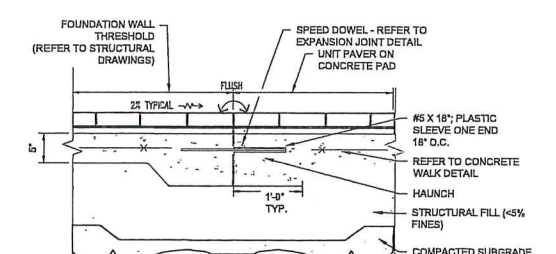
NOTES:
1. HANDICAP SYMBOLS SHALL BE WHITE EPOXY.
2. HANDICAP SYMBOLS SHALL BE INSTALLED, ORIENTED AS SHOWN IN EACH LOCATION AND CENTERED IN THE PARKING STALL.

ACCESSIBLE LOGO PAVING MARKER
NOT TO SCALE

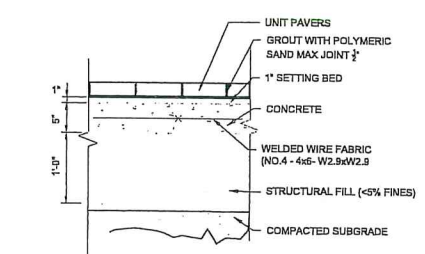


NOTES:
1. LOCATE AT ALL WHEELCHAIR RAMPS AS SHOWN ON THE PLANS.
2. ADA COMPLIANT TACTILE WARNING PLATE.

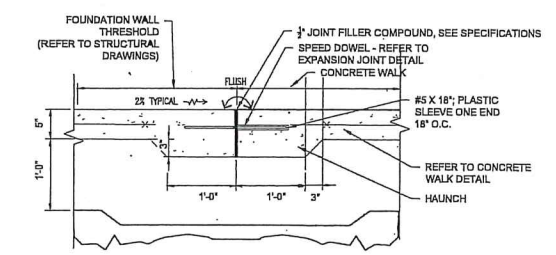
DETECTABLE WARNING PLATE
SCALE: 3/4"=1'



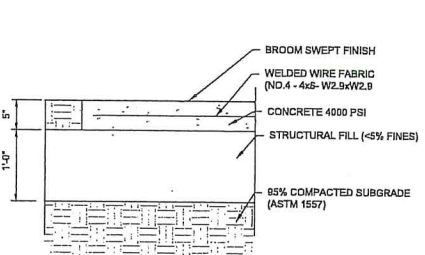
CONCRETE HAUNCH CONNECTION - UNIT PAVERS
SCALE: 1"=1'



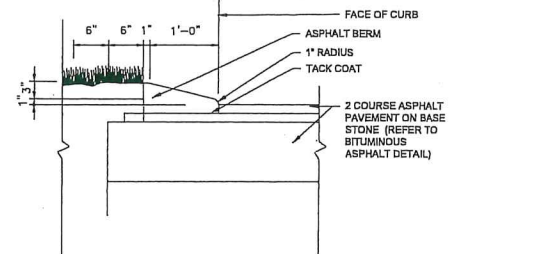
UNIT PAVERS
SCALE: 1"=1'



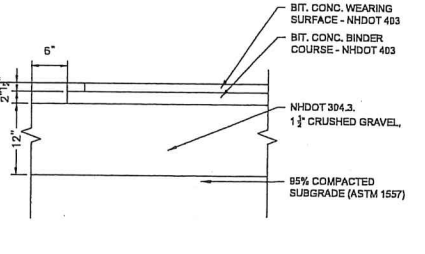
CONCRETE HAUNCH CONNECTION - CONCRETE WALK
SCALE: 1"=1'



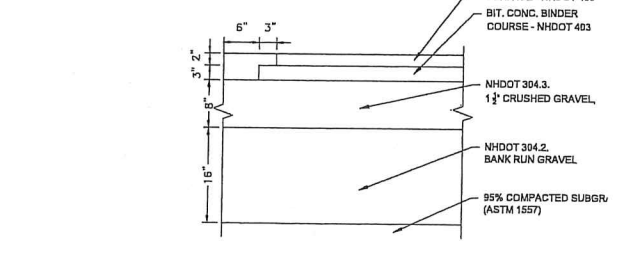
CONCRETE WALK
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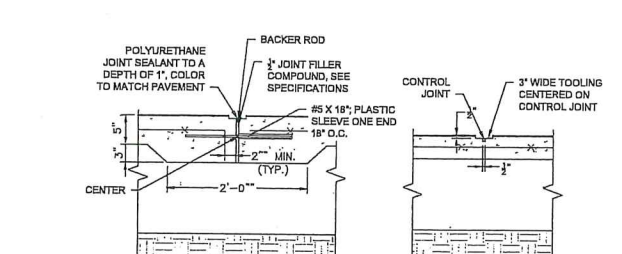
BITUMINOUS ASPHALT BERM
SCALE: 1"=1'



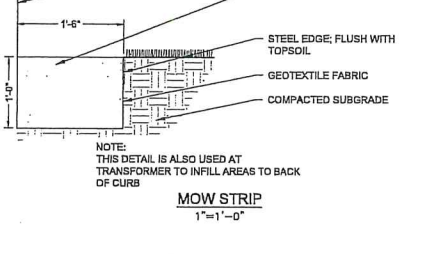
BITUMINOUS ASPHALT - LIGHT DUTY
SCALE: 1"=1'



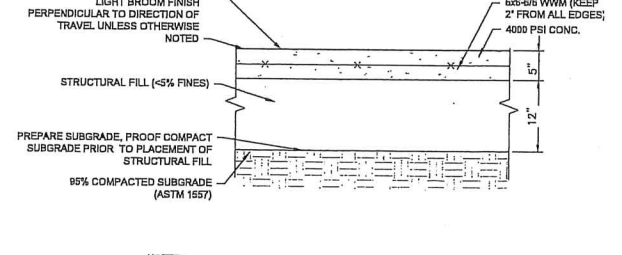
BITUMINOUS ASPHALT - HEAVY DUTY
SCALE: 1"=1'



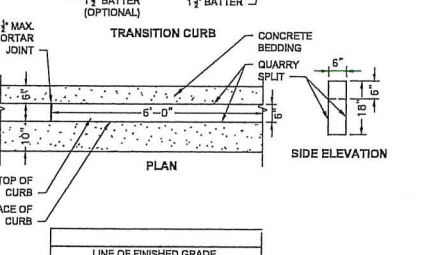
EXPANSION JOINT WITH SPEED DOWEL



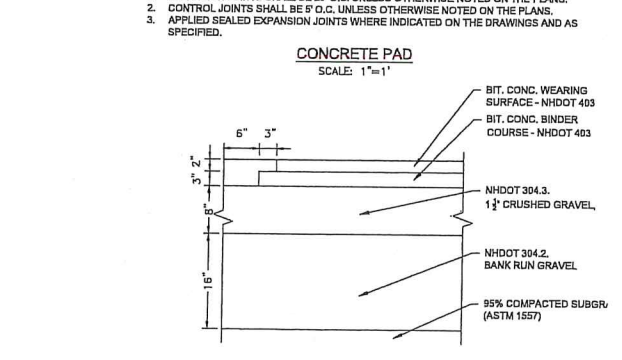
CONTROL JOINT



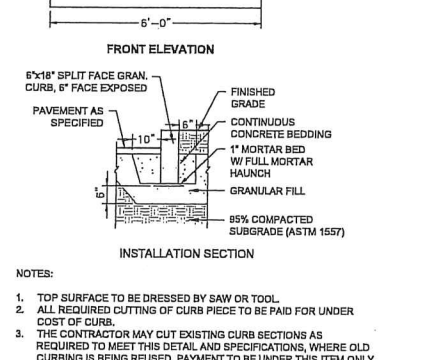
CONCRETE PAD
SCALE: 1"=1'



TRANSITION CURB

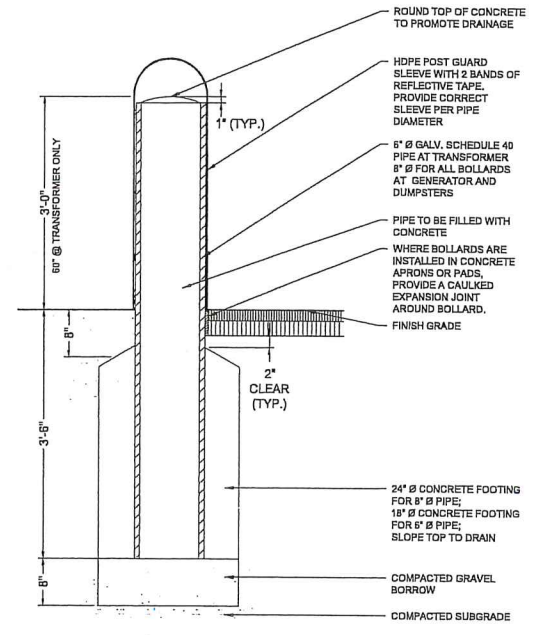


CONCRETE PAD
SCALE: 1"=1'

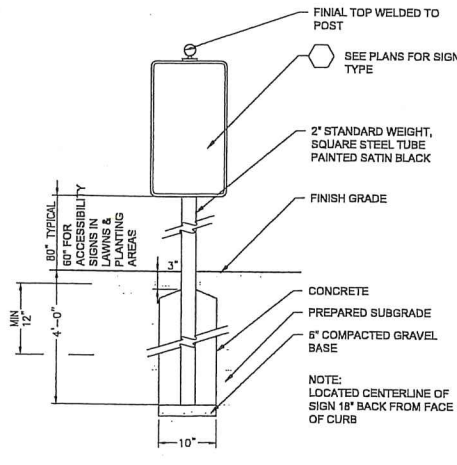


6" GRANITE CURB
SCALE: 1/2"=1'

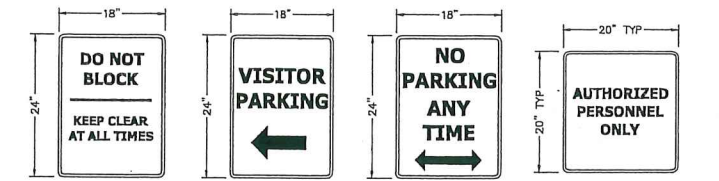
NOTES:
1. TOP SURFACE TO BE DRESSED BY SAW OR TOOL.
2. ALL REQUIRED CUTTING OF CURB PIECE TO BE PAID FOR UNDER COST OF CURB.
3. THE CONTRACTOR MAY CUT EXISTING CURB SECTIONS AS REQUIRED TO MEET THIS DETAIL AND SPECIFICATIONS, WHERE OLD CURBING IS BEING REUSED. PAYMENT TO BE UNDER THIS ITEM ONLY.



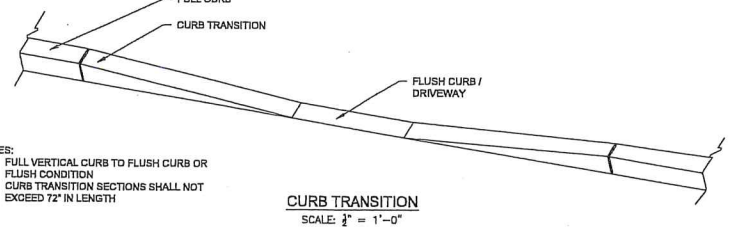
STEEL PIPE BOLLARD
SCALE: 1"=1'



SIGN STANDARD
NOT TO SCALE

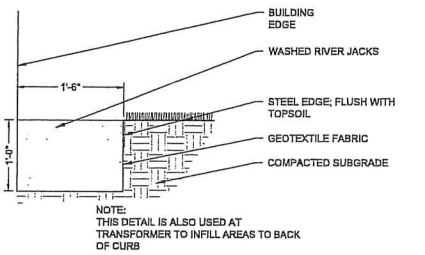


PROJECT SIGNAGE DETAIL
NOT TO SCALE

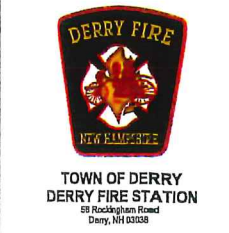


CURB TRANSITION
SCALE: 1/2"=1'-0"

NOTES:
1. FULL VERTICAL CURB TO FLUSH CURB OR FLUSH CONDITION
2. CURB TRANSITION SECTIONS SHALL NOT EXCEED 72" IN LENGTH



MOW STRIP
1"=1'-0"



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NO.	REVISIONS	DATE
1	Issue for Review	05/25/23
2	Revised to Add Comments	05/25/23
3	Revised to Add Comments	05/25/23

DETAILS

DATE	05-30-2023
SCALE	AS INDICATED
DRAWN	TJH
DATE	05/25/23
SCALE	AS INDICATED
DATE	05/25/23

DETAILS

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DATE	05/25/23



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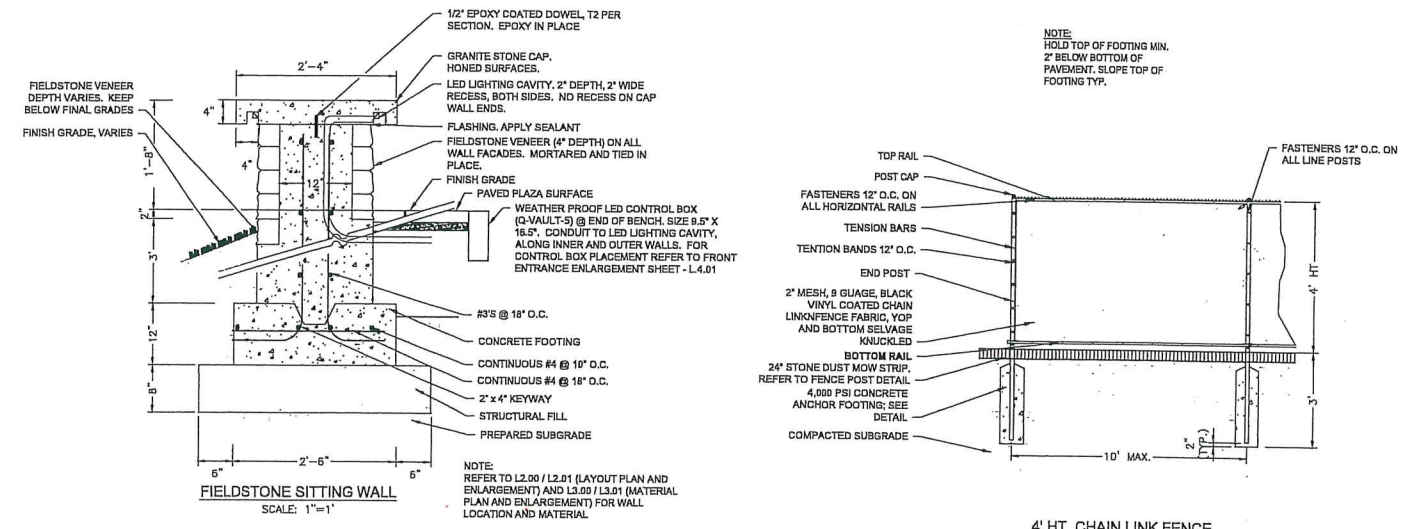
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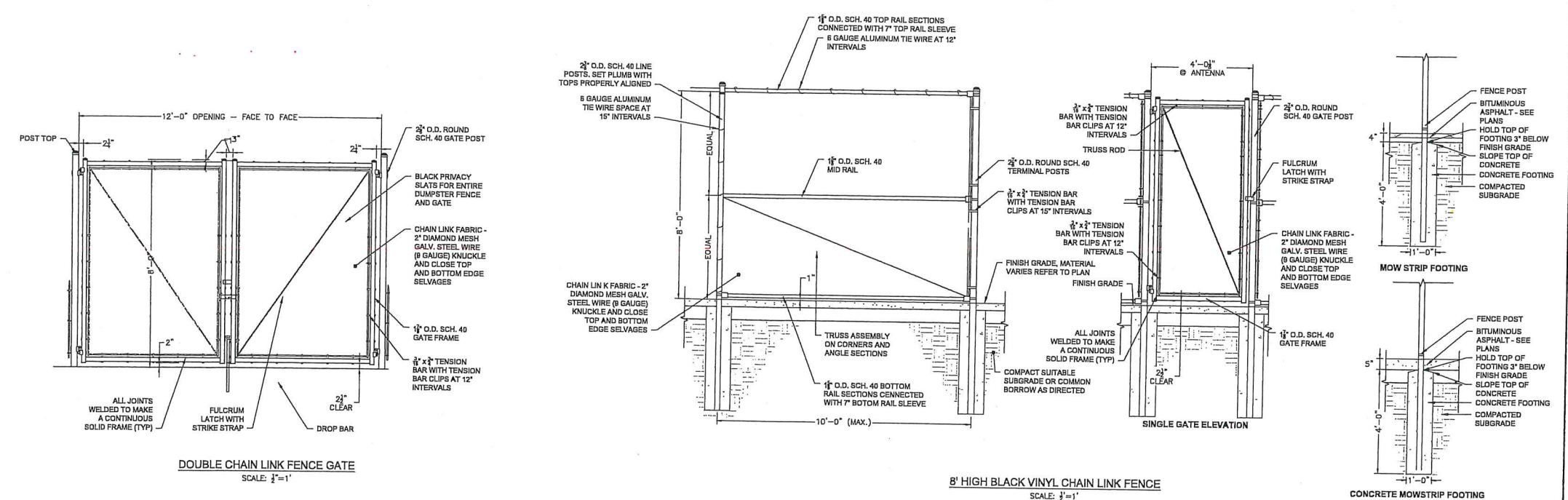
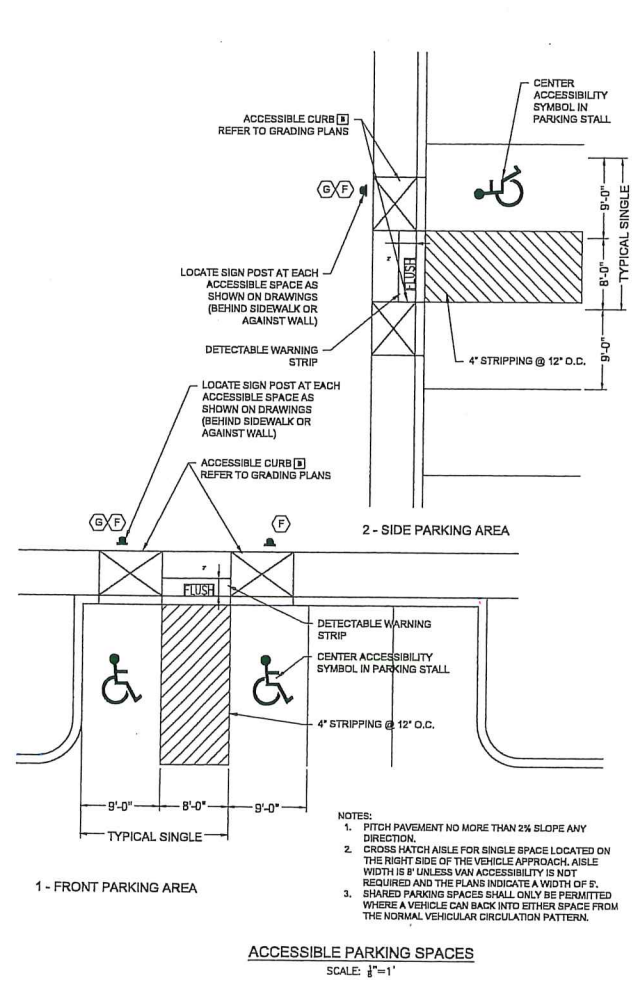
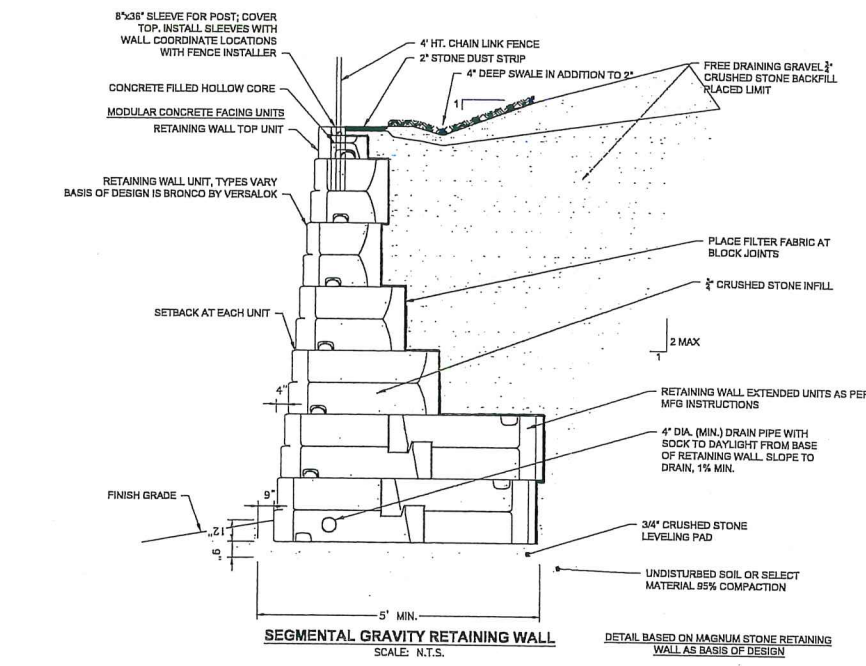
NO.	REVISIONS	DATE
1	DATE	08-30-2023
2	DATE	AS INDICATED
3	DATE	TOH
4	DATE	DK DM

NO.	REVISIONS	DATE
1	DATE	08-30-2023
2	DATE	AS INDICATED
3	DATE	TOH
4	DATE	DK DM

L601



- NOTES:**
- LAYOUT OF RETAINING WALL DEPICTED ON PLAN SHEET L.2.0
 - THIS RETAINING WALL SYSTEM MAY IMPACT OR BE IMPACTED BY OTHER SITE FEATURES, INCLUDING STORMWATER MANAGEMENT FACILITIES, AND BUILDING SYSTEMS. THE APPROPRIATE RESPONSIBLE PROFESSIONALS SHALL REVIEW THESE PLANS FOR PROPER COORDINATION.
 - CONCRETE USED FOR WALL UNITS SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. WALL UNITS SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS, ASTM C-1778 AND ACO 391-89, HAVE 4 1/2% TO 7% ENTRAINED AIR, 4" - 6" SLUMP, AND MUST BE PLACED WITH AN AMBIENT AIR TEMPERATURE OF 50°F.
 - CONTRACTOR AND/OR SITE ENGINEER SHALL CONFIRM ALL ELEVATIONS AND INVERTS IN THESE PLANS PRIOR TO ORDERING MATERIAL.
 - LEVELING PAD SHALL BE 1/2" CRUSHED STONE WITH NO MORE THAN 5% PASSING THROUGH A #200 SIEVE.
 - ENSURE THAT THE FIRST COURSE OF THE WALL UNITS IS IN FULL CONTACT WITH THE LEVELING PAD. INSTALL SUBSEQUENT COURSES OF UNITS SUCH THAT THE VERTICAL SEAMS ARE STAGGERED BETWEEN ADJACENT COURSES. GAP'S SHALL BE FILLED WITH DRAINAGE STONE PRIOR TO STARTING THE NEXT COURSE. BASE BLOCKS SHALL BE SET BACK 1" WHEN STEPPING UP AND SET FORWARD 1" WHEN STEPPING DOWN. WALL ANGLES SHALL BE SLIGHTLY ADJUSTED TO ACCOMMODATE PROPERTY LINES AND OBSTRUCTIONS.
 - BLOCK MANUFACTURER'S RECOMMENDATIONS SHALL BE CONSIDERED A MINIMUM REQUIREMENT FOR PROPER ASSEMBLY.
 - DRAINAGE STONE SHALL BE 1/2" CRUSHED STONE PLACED DIRECTLY BEHIND WALL FOR DEPTHS SPECIFIED ON PLANS.
 - MIRAFI 140N OR APPROVED EQUAL FILTER FABRIC SHALL BE PLACED BETWEEN ALL INTERFACES OF DRAINAGE STONE AND OTHER SOILS. EXPOSED DRAINAGE STONE SHALL BE PROTECTED FROM FINE SOIL MIGRATION.
 - CONTRACTOR SHALL TAKE CARE TO NOT DISTURB OR INTERFERE WITH THE EFFECTIVENESS OF THE FILTER FABRIC WHEN INSTALLING ANY FEATURE THAT REQUIRES PENETRATION THROUGH THE FABRIC.
 - UNDERDRAINS SHALL BE PERFORMED, 4" DIA. HDPE PIPE, AND SHALL MEET THE REQUIREMENTS OF ASTM F405. THE ELEVATION OF THE UNDERDRAIN OUTLETS SHALL BE DETERMINED IN THE FIELD BY THE SITE ENGINEER. INSTALL RODENT SCREEN AT OUTLET.
 - GRAVEL BACKFILL BEYOND DRAINAGE STONE SHALL BE WELL GRADED SAND/GRAVEL AND SHALL MEET THE FOLLOWING GRADATION:
- | SIEVE SIZE | PERCENT PASSING |
|------------|-----------------|
| 3 IN. | 100 |
| 3/4 IN. | 70-80 |
| NO. 4 | 40-50 |
| NO. 40 | 10-50 |
| NO. 200 | 0-10 |
- ALL DRAINAGE STONE AND GRAVEL BACKFILL SHALL BE COMPACTED TO 82% PROCTOR (ASTM D-1557). ONLY HAND OPERATED COMPACTION EQUIPMENT SHALL BE ALLOWED WITHIN THREE FEET OF THE BACK OF WALL BLOCKS. WITHIN THIS ZONE THE COMPACTION RATE SHALL BE UP TO 90% AS PER ASTM D-1557. CONTRACTOR SHALL COMPACT THE BACKFILL MATERIAL BEHIND THE WALL AS THE WALL IS INSTALLED. SPREAD BACKFILL IN UNIFORM LIFTS NOT EXCEEDING 9 INCHES.
 - FINISH GRADE AT TOP OF WALL IS APPROXIMATE ONLY. CONTRACTOR TO DRESS FINISHED GRADE TO CREATE SMOOTH TRANSITION TO BLOCK.
 - CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EXCAVATIONS ARE STABLE AND MEET OSHA REQUIREMENTS.
 - CONTRACTOR SHALL COORDINATE WITH FENCE CONTRACTOR TO INSTALL FENCE AS PER THE WALL MANUFACTURER'S INSTRUCTIONS.
 - THE DESIGN ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF CONDITIONS ARE DIFFERENT THAN DESCRIBED ON THIS PLAN.





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90% CONSTRUCTION DOCUMENTS

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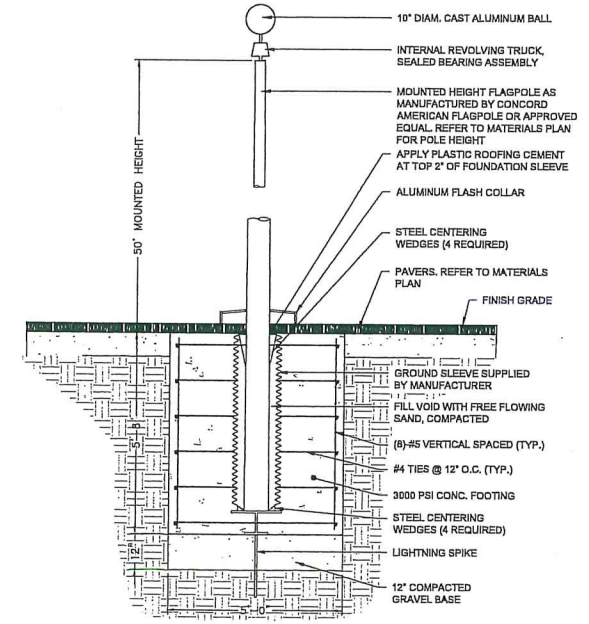
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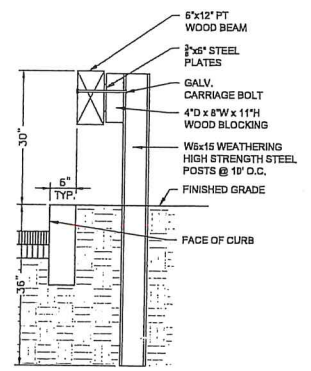
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TYPICAL SECTION
FLAGPOLE
SCALE: 3/4" = 1'



STEEL-BACKED WOOD GUIDE RAIL
SCALE: 3/4" = 1'-0"

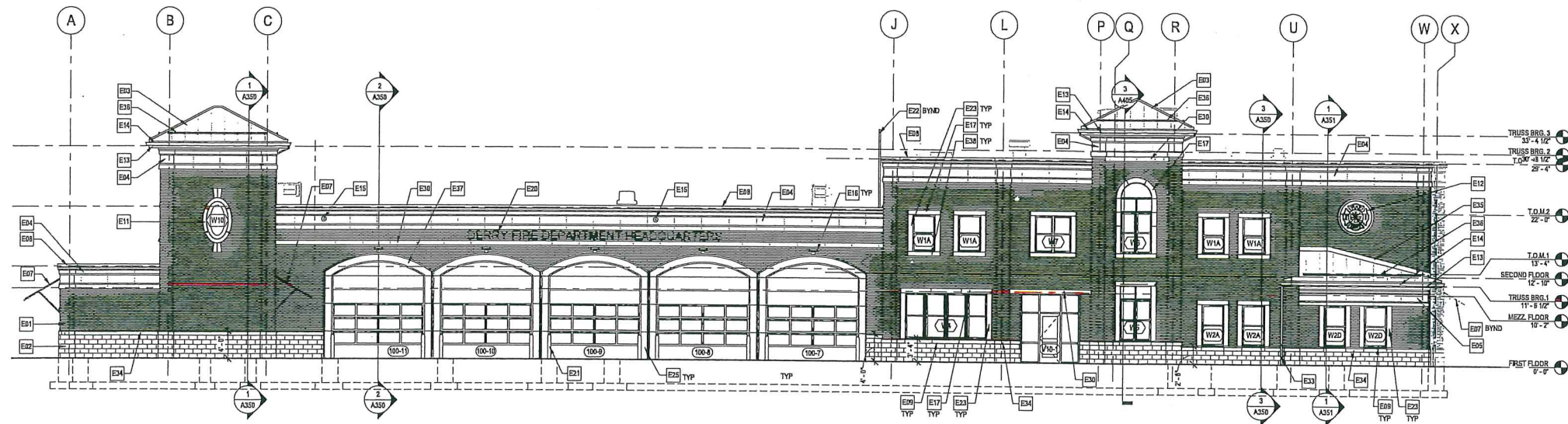
NOTES
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND THE LOCAL, STATE AND FEDERAL GOVERNMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND THE LOCAL, STATE AND FEDERAL GOVERNMENTS.
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NO.	REVISIONS	DATE
1	Change from previous	09/23
2	Change from previous	09/23
3	Change from previous	09/23
4	Change from previous	09/23

NO. REVISIONS DATE

DETAILS

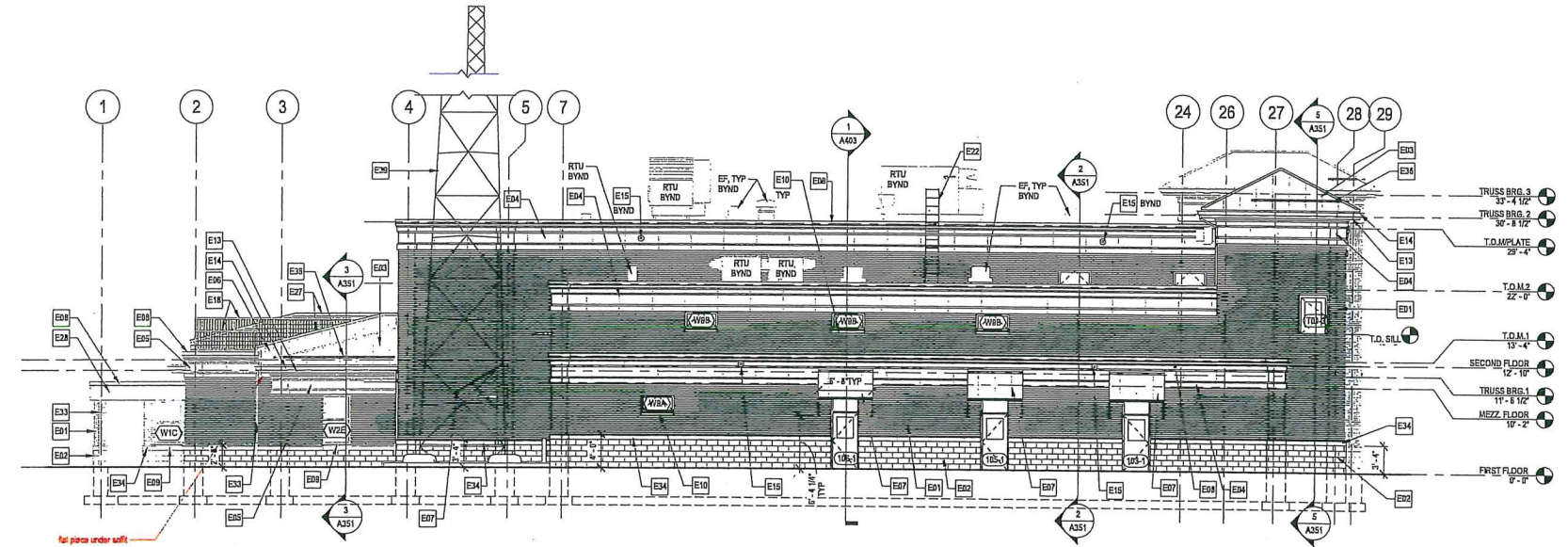
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DWG: TOH CHK: DM
PROJ. NO.: 619902
DWG. NO.:



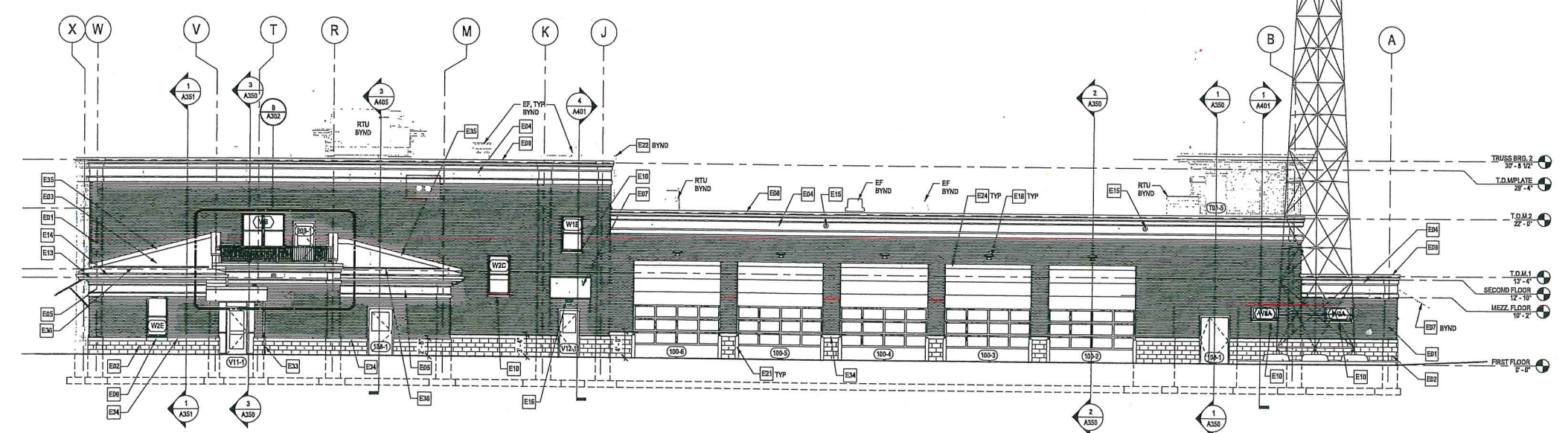
EXTERIOR ELEVATION KEYNOTES

E01	FACE BRICK
E02	SPLIT-FACE CONCRETE MASONRY UNIT VENEER
E03	STANDING BEAM METAL ROOF PANEL
E04	CAST STONE TYPE #1A - CORNICE UNIT (TALL) (3 PIECE)
E05	CAST STONE TYPE #1B - CORNICE UNIT (SHORT) (3 PIECE)
E06	METAL WALL PANEL
E07	STANDING SEAM METAL ROOF FINISH
E08	PREFINISHED ALUMINUM ROOF EDGE
E09	CAST STONE TYPE #3B - WATERTABLE WINDOW SILL UNIT
E10	CAST STONE TYPE #4 - WINDOW SILL UNIT (SHORT)
E11	WINDOW UNIT WITH DECORATIVE CAST STONE
E12	DECORATIVE STONE EMBLEM TYPE #1
E13	CELLULAR PVC FASCIA, FIELD PAINTED
E14	PREFINISHED METAL GUTTER
E15	PREFINISHED OVERFLOW SCUPPER
E16	LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
E17	CAST STONE TYPE #3B - WINDOW HEAD UNIT, SEE ELEVATIONS FOR ARCHED LOCATIONS
E18	STAINLESS STEEL GUARDRAIL
E19	1" DIMENSIONAL LETTERS
E20	PIPE BOLLARD, REFER TO STRUCTURAL DRAWINGS
E21	LADDER
E22	CAST STONE TYPE #5C - WINDOW JAMB UNIT
E23	CAST STONE TYPE #6D - OVERHEAD DOOR HEAD UNIT
E24	CAST STONE TYPE #2A - OVERHEAD DOOR JAMB UNIT (2 PIECE)
E25	GLASS FIBER REINFORCED CONCRETE PARAPET CAP
E26	METAL FASCIA
E27	CAST STONE TYPE #3A - WATERTABLE
E28	FLASHING
E29	SNOW GUARD
E30	CAST STONE TYPE #2B - ARCHED OVERHEAD DOOR HEAD UNIT
E31	CAST STONE TYPE #6A - WINDOW SILL UNIT WITH CAST STONE TYPE #6B - WINDOW SILL UNIT JAMB ENDS
E32	150 FOOT COMMUNICATION ANTENNA TOWER WITH BRACON LIGHTS AND PARAPET PER FAA REGULATIONS, ANTENNA SIZES AND TYPES TO BE DETERMINED BY THE FIRE DEPARTMENT.

1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



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NO.	REVISIONS	DATE

EXTERIOR ELEVATIONS

DATE: 05-30-2023
SCALE: 1/8" = 1'-0"
DWG: SSS
PROJ. No: 619902
DWG. No: A301



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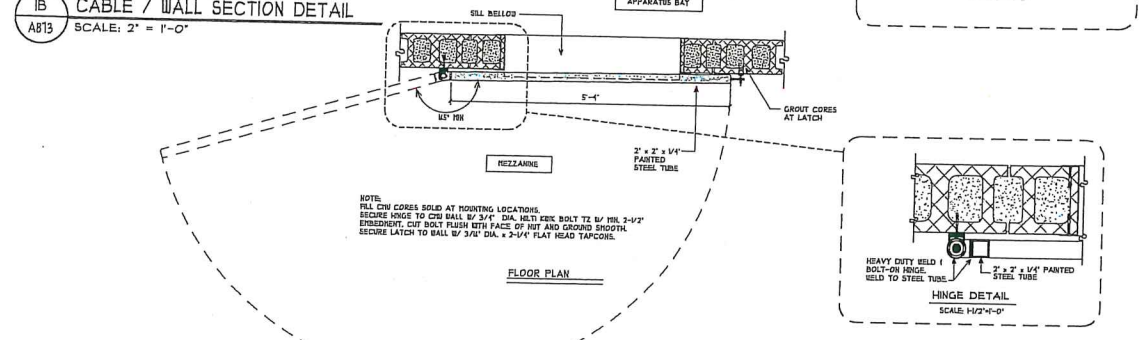
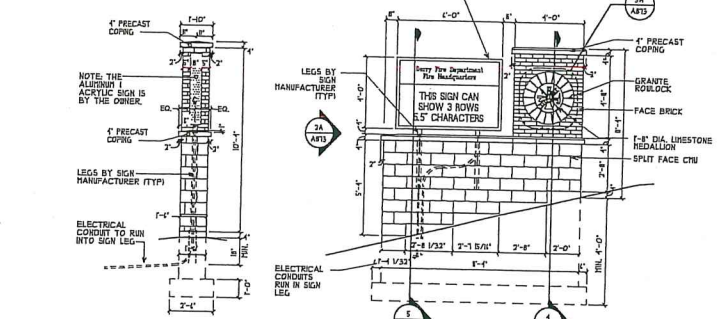
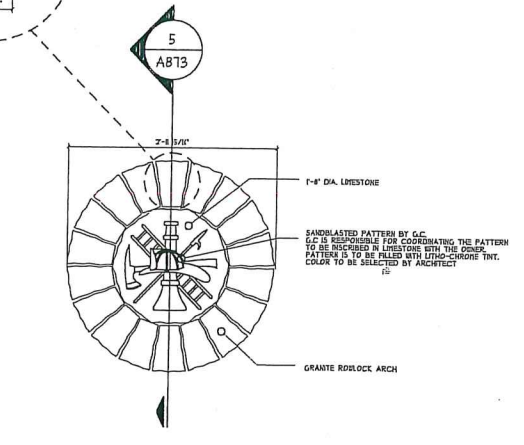
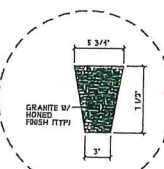
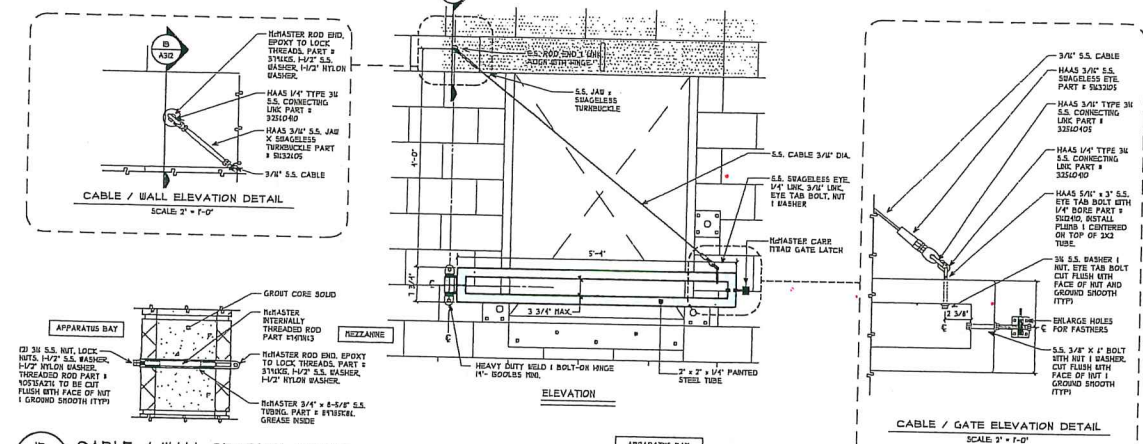
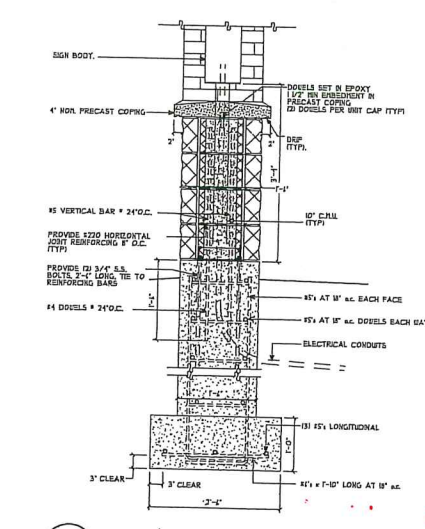
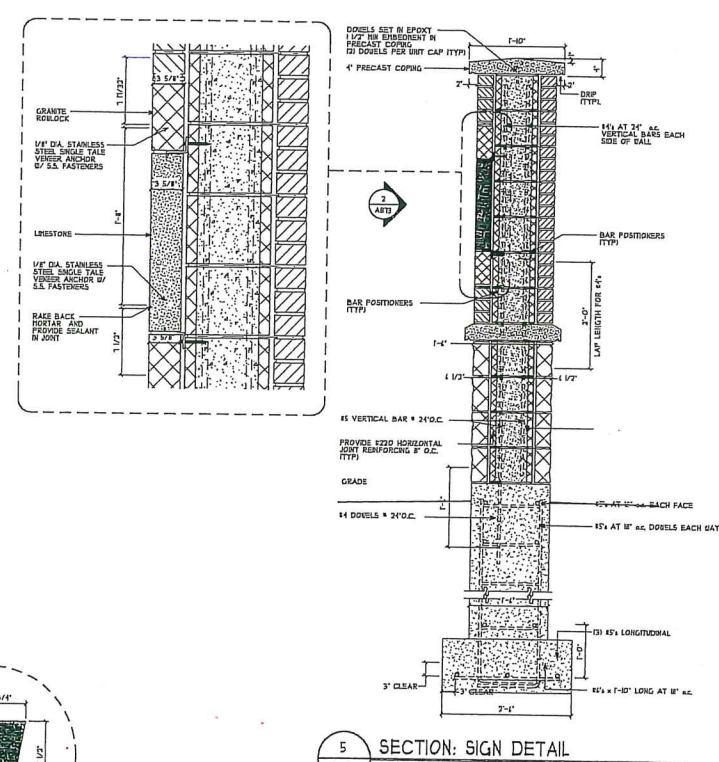
**PROGRESS
PRINT**
05-30-2023
NOT FOR
CONSTRUCTION

NO.	REVISIONS	DATE

DATE 05-09-2023
SCALE
DRAW JDA CHK
PANEL No. 181802
DWG. No.

GENERIC SCALE BAR
SCALE BAR SHOWN TO THE RIGHT OF THE ORIGINAL DRAWING.
IF PART TWO MEMES IN THIS SHEET, ADJUST ACCORDINGLY.

A873

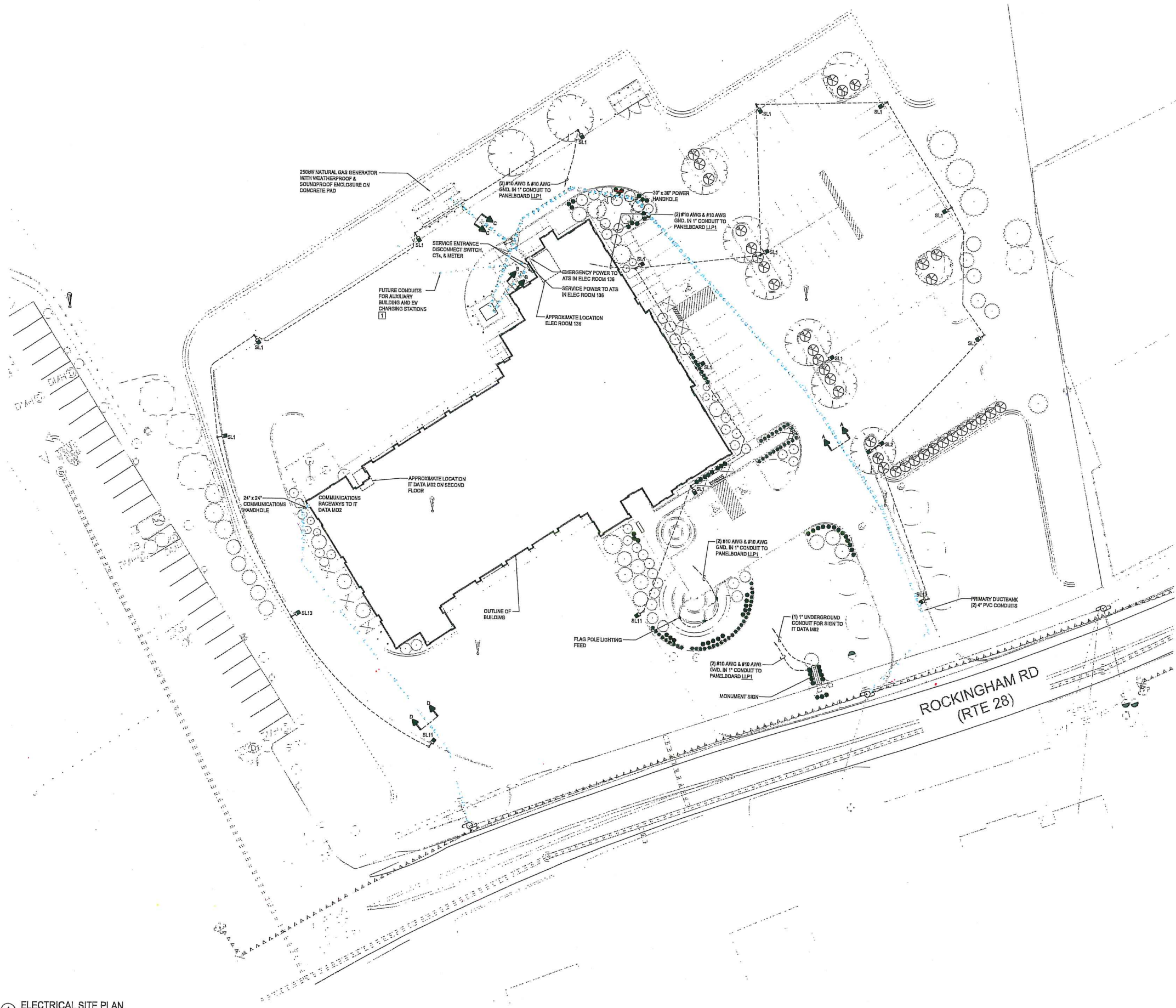


3 SITE SIGN MEDALLION ELEVATION
SCALE: 1" = 1'-0"

2 SITE SIGN ELEVATIONS
SCALE: 1/4" = 1'-0"

1 SWING GATE & LADDER EVOLUTION
SCALE: 3/4" = 1'-0"

A873



1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

GENERAL NOTES:

A. UNLESS OTHERWISE NOTED ALL UNDERGROUND RACEWAYS SHOWN ON THIS SHEET SHALL BE INSTALLED WITH MINIMUM 24" COVER.

B. UNLESS OTHERWISE NOTED ALL LUMINAIRES SHOWN ON THIS SHEET SHALL BE CONNECTED TO PANELBOARD LLP1 CIRCUIT AS INDICATED AND PHOTOCELL CONTROLLED FOR DAWN TO DUSK OPERATION.

CONSTRUCTION NOTES:

1. PROVIDE THESE EMPTY RACEWAYS FOR FUTURE USE BY OWNER. PROVIDE WITH PULL STRINGS, CAP WATER TIGHT. CONDUITS SHALL BE (4) 4" CONDUITS.



TOWN OF DERRY
DERRY FIRE STATION
58 Rockingham Road
Derry, NH 03035

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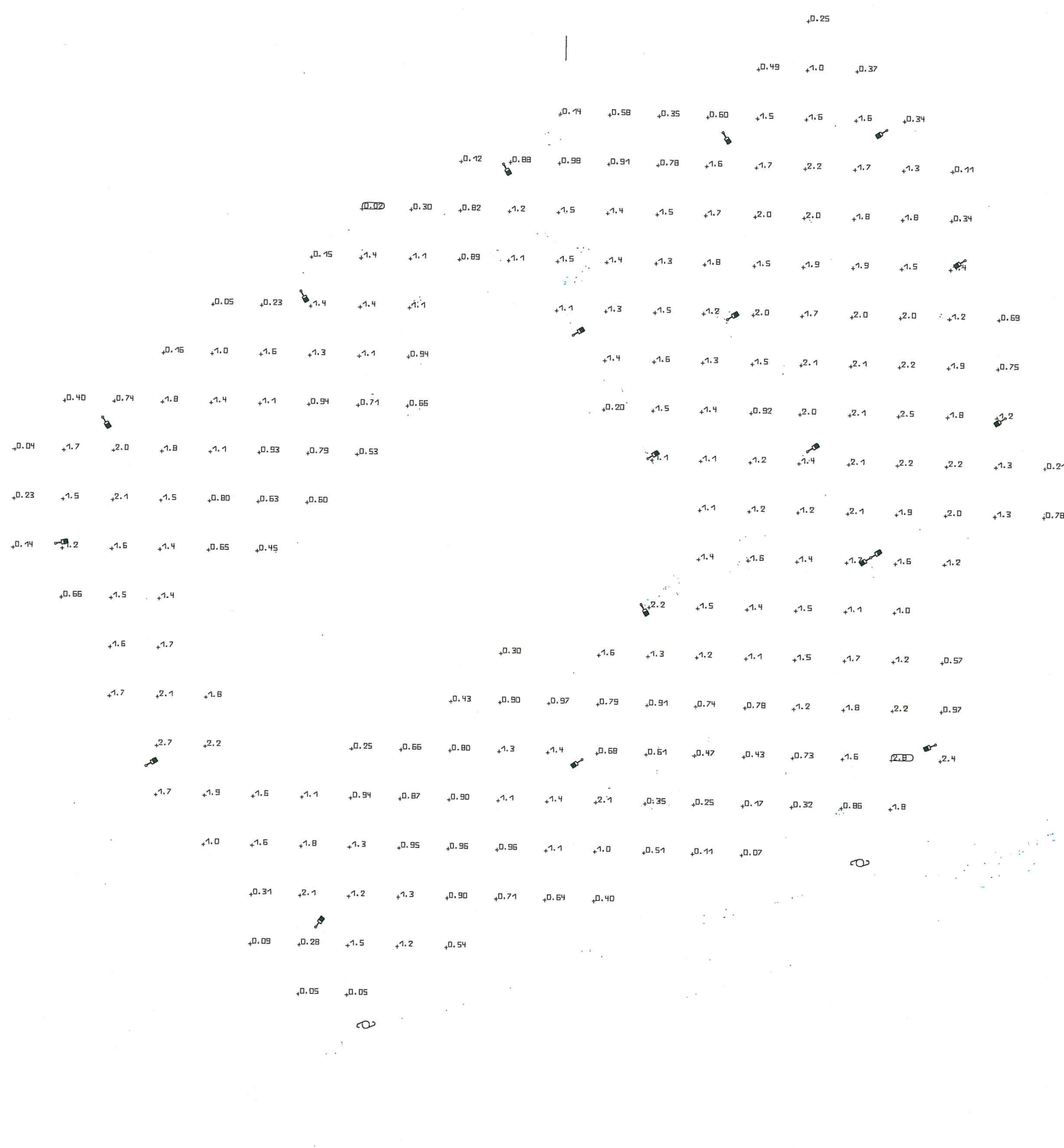
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NO.	REVISIONS	DATE

ELECTRICAL SITE PLAN



DATE: 05-30-2023
SCALE: AS NOTED
DWG: V81 CHK: JFW
PROJ. No: 015902
DWG. No: E101



CALCULATION SUMMARY					
AREA	AVG	MIN	MAX	AVG/MIN	MAX/MIN
OVERALL SITE	1.16 fc	0.02 fc	2.76 fc	69	138



TOWN OF DERRY
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NO.	REVISIONS	DATE

ELECTRICAL SITE
PLAN - PHOTOMETRICS

GENERIC SCALE BAR
SCALE: 1" = 20'-0"
DATE: 05-30-2022
SCALE: AS NOTED
DRAWN: VBI
CHECKED: JFW
PROJECT NO.: 119902
DWG. NO.:

1 ELECTRICAL SITE PLAN - PHOTOMETRICS
SCALE: 1" = 20'-0"

