RANDOLPH NORTH BUILDING A

SCANLON DRIVE
RANDOLPH, MA 02368

PROJECT TEAM

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SPECIFICATIONS
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ZONING SUMMARY FOR BUILDING A

ZONING DISTRICT			
Blue Hills River Highway District (BHRHD)			
LAND USE			
Commercial			
OVERLAYS			
Surface Water Protection Zones A & C			
LOT SIZE (SF)			
Site A = 236,692			
CLIMATE RESILIENCY- SEA LEVEL RISE - BASE FLOOD ELEVATION			
not specified			
CRITERIA (a)			
	ZONING AS-OF-RIGHT	**PROPOSED**	**COMPLIANCE (Y/N)**
Min. Lot Size (SF)	20,000	236,692	Y
Building Footprint (SF)	-	58,272	
Max. Floor Area Ratio (FAR)	none	0.28	Y
Max. Gross Floor Area (Lot Size x FAR) (SF)	none	67,366	Y
Max. Bldg. Stories	3.0	1.0 with Mezz	Y
Max. Bldg. Height (FT) (b)**	50.0	32.50	Y
Min. Lot Frontage (FT) (c)	130.0	165.00	Y
Min. Lot Depth (FT) (d)	100.0	432	Y
Min Lot Width (FT) (e)	100.0	529	Y
LOT COVERAGE;			
A) Building Lot Coverage (% max) (g)	60%	24.6%	Y
B) Impervious Lot Coverage (% max) (h)	30%	62.7%	Y*
C) Green Area Open Space (% min)	10%	11.7%	Y
Maximum Lot Coverage (A + B) (%)	90%	87.3%	Y
BUILDING SETBACKS			
Setback from Street (FT)	15.0	24	Y
Setback from Front Yard (FT)	15.0	24	Y
Setback from Side Yard (FT)	10.0	12	Y
Setback from Rear Yard (FT)	15.0	38	Y
BUFFERS			
Buffer Strips to Street (FT) (f)	5.0	5	Y
Buffer Strips to Residential (FT)	10.0	N/A	Y
Buffer Strips to Commercial (FT)	2.5	2.50	Y

(a) Based on Section 200 Attachment 2, Table of Dimensional Requirements**
Based on Section 200-3, Definitions:

(b) Height of Building. The vertical distance from the established grade at the center of the front of the building to the highest point of the roof surface if a flat roof, to the deck line for mansard roofs, and to the mean height level between eaves and ridge for gabled, hip and gambrel roofs

***Note: The height of a structure shall be based on the average pre-existing grade within the proposed building footprint*

Mean height between eaves and ridges = 28'-0" for 200' of building length and 37'-0" for 200' of building length. Average Height by definition = 32'-6"

(c) Lot Frontage. The property line dividing a lot from a street (right-of-way). On a corner lot, the owner shall designate one (1) street line as the front lot line. On a corner lot, where the junction of two (2) streets is formed by a curve, the frontage shall be measured along the tangent line of the curve from the point of intersection to the side lot line

(d) Lot Depth. The mean horizontal distance between the front lot line and the rear lot line.

(e) Lot Width. The horizontal distance between the side lot lines as measured at the minimum required setback distance required by this chapter.

(f) Buffer Strip. A strip of land (often including vegetation) where disturbance is not allowed or is closely monitored to preserve or enhance aesthetic and other qualities along or adjacent to roads, trails, watercourses and recreation sites or between properties or lots

(g) Building Lot Coverage.
The total area covered, measured from the outside of the exterior walls, by all principal and accessor...

**(h) Maximum Lot Coverage.*
The total lot non-green area/open space may not exceed the maximum coverage specified in the Table of Dimensional Requirements. In order to fulfill the intent of maximum lot coverage, an applicant may shift a percentage of the building lot coverage requirement and the impervious lot coverage requirement, but in no case shall the maximum coverage percentage noted in the table be exceeded.
200-34 Section D

GROSS BUILDING AREA (GSF) & HEIGHT

LEVEL	AREA (SF)	HEIGHT (FT)
Mezzanine (height to high eave)	9,032	22.50
Ground Level	58,334	11.50
GROSS BUILDING TOTAL	**67,366**	**34.00**
GROSS FLOOR AREA*	**67,366**	

Based on Section 200-3 Definitions:
Floor area, gross. The sum of the gross horizontal areas of the several floors of a building measured from the exterior face of exterior walls, or from the center line of a wall separating two (2) buildings, but not including interior parking spaces, loading space for motor vehicles, or any space where the floor-to-ceiling height is less than six (6) feet.

Floor Area Ratio. Determined by dividing the gross floor area of all buildings on a lot by the area of that lot

OFF-STREET PARKING REQUIREMENTS

COMMERCIAL/ BUSINESS	1 SPACE PER AREA (SF)	BLG. FLOOR AREA (SF)	REQUIRED NO. OF SPACES
Mezzanine	400	9,032	0
Ground Floor (B)	200	7,355	37
Ground Floor (S-1)	Warehouse*	50,979	12
TOTAL		**67366.4**	**49**

Per Section 200-22, Required Number of Spaces
Commercial/Business: one (1) space for each two hundred (200) square feet of gross floor area on the first floor of a building and one (1) space for each four hundred (400) square feet of gross floor area thereafter for all floors used for business purposes, excluding storage area

Warehouse/Industrial: one (1) space for each two (2) employees, plus space for every company-owned and -operated vehicle, plus spaces for customers' vehicles as determined appropriate by the Building Commissioner or Site Plan Administrator

10 warehouse workers (max) = 5 spaces
5 Company owner vehicles (yard trucks)= 5 spaces
2 customer vehicles (max) = 2 spaces
***By Right = 12 spaces. Compliant.**

Mixed uses: Where a building has a mixture of uses for which off-street parking is required, the number of spaces will be the sum of the requirements of the various individual uses.

Other: Reasonable off-street parking requirements for uses not listed in this section shall be determined by the Site Plan Administrator.

By right, 49 required, currently providing 37 marked spaces and 12 unmarked spaces. Compliant.

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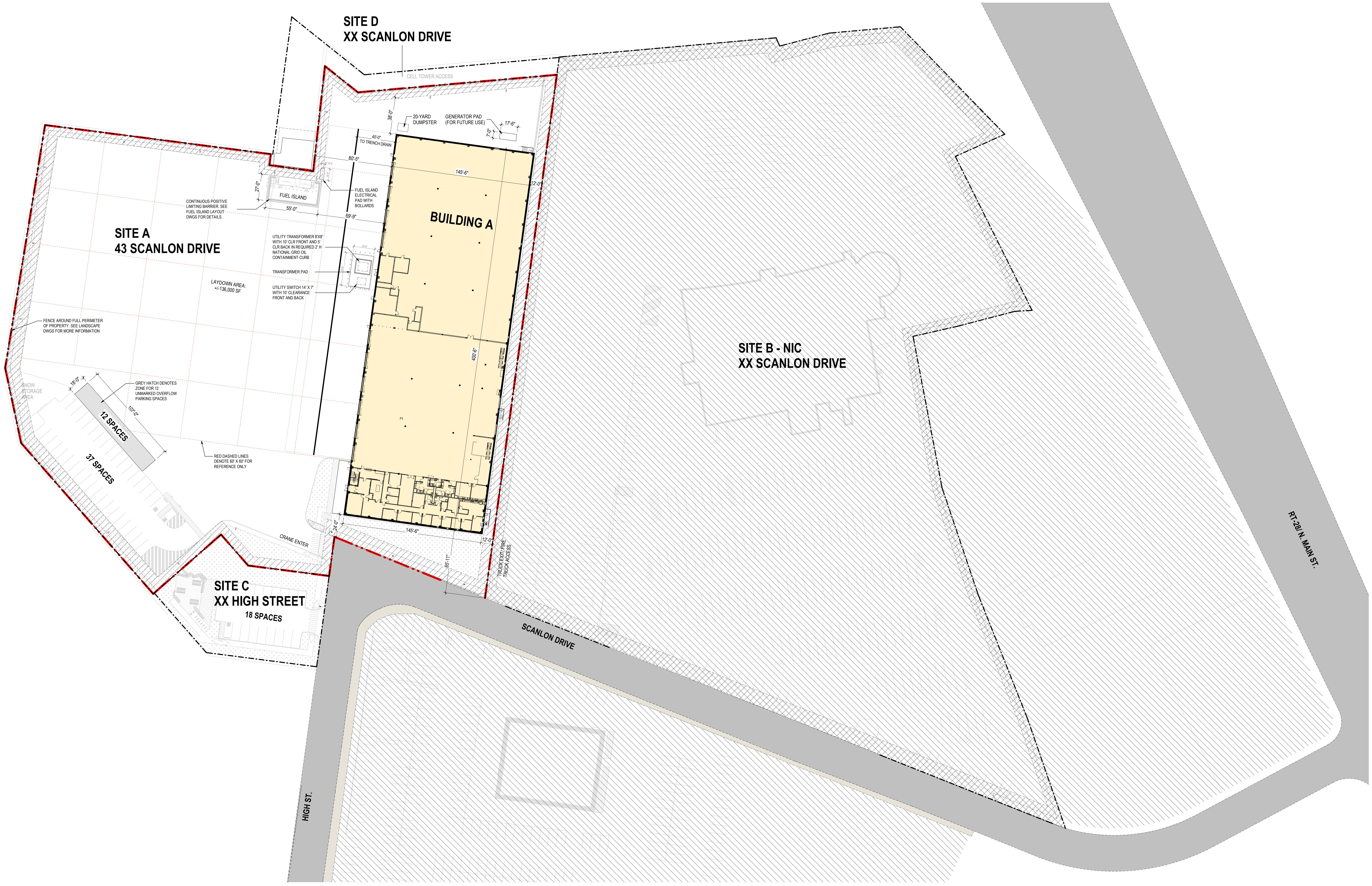
SITE D
XX SCANLON DRIVE
CELL TOWER ACCESS
38'-0"
20-YARD DUMPSTER
GENERATOR PAD (FOR FUTURE USE)
17'-6"
7'-0"
40'-0" TO TRENCH DRAIN
80'-5"
145'-6"
12'-0"
27'-0"
FUEL ISLAND
55'-0"
69'-9"
FUEL ISLAND ELECTRICAL PAD WITH BOLLARDS
CONTINUOUS POSITIVE LIMITING BARRIER. SEE FUEL ISLAND LAYOUT DWGS FOR DETAILS.
BUILDING A
SITE A
43 SCANLON DRIVE
UTILITY TRANSFORMER 8'X8' WITH 10' CLR FRONT AND 5' CLR BACK IN REQUIRED 2' H NATIONAL GRID OIL CONTAINMENT CURB
TRANSFORMER PAD
UTILITY SWITCH 14' X 7' WITH 10' CLEARANCE FRONT AND BACK
LAYDOWN AREA: +/-136,000 SF
FENCE AROUND FULL PERIMETER OF PROPERTY. SEE LANDSCAPE DWGS FOR MORE INFORMATION
400'-6"
SNOW STORAGE AREA
18'-0"
GREY HATCH DENOTES ZONE FOR 12 UNMARKED OVERFLOW PARKING SPACES
107'-0"
12 SPACES
37 SPACES
RED DASHED LINES DENOTE 60' X 60' FOR REFERENCE ONLY
SITE B - NIC
XX SCANLON DRIVE
24'-0"
145'-6"
12'-0"
CRANE ENTER
65'-11"
TRUCK EXIT/ FIRE TRUCK ACCESS
SITE C
XX HIGH STREET
18 SPACES
SCANLON DRIVE
RT-28/ N. MAIN ST.
HIGH ST.

1
G-010

SITE PLAN - MAXIM CRANE - 5 ACRES

1" = 40'-0"

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CORE INVESTMENTS, INC

Key Plan

RANDOLPH NORTH BUILDING A

PROJECT NORTH

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06
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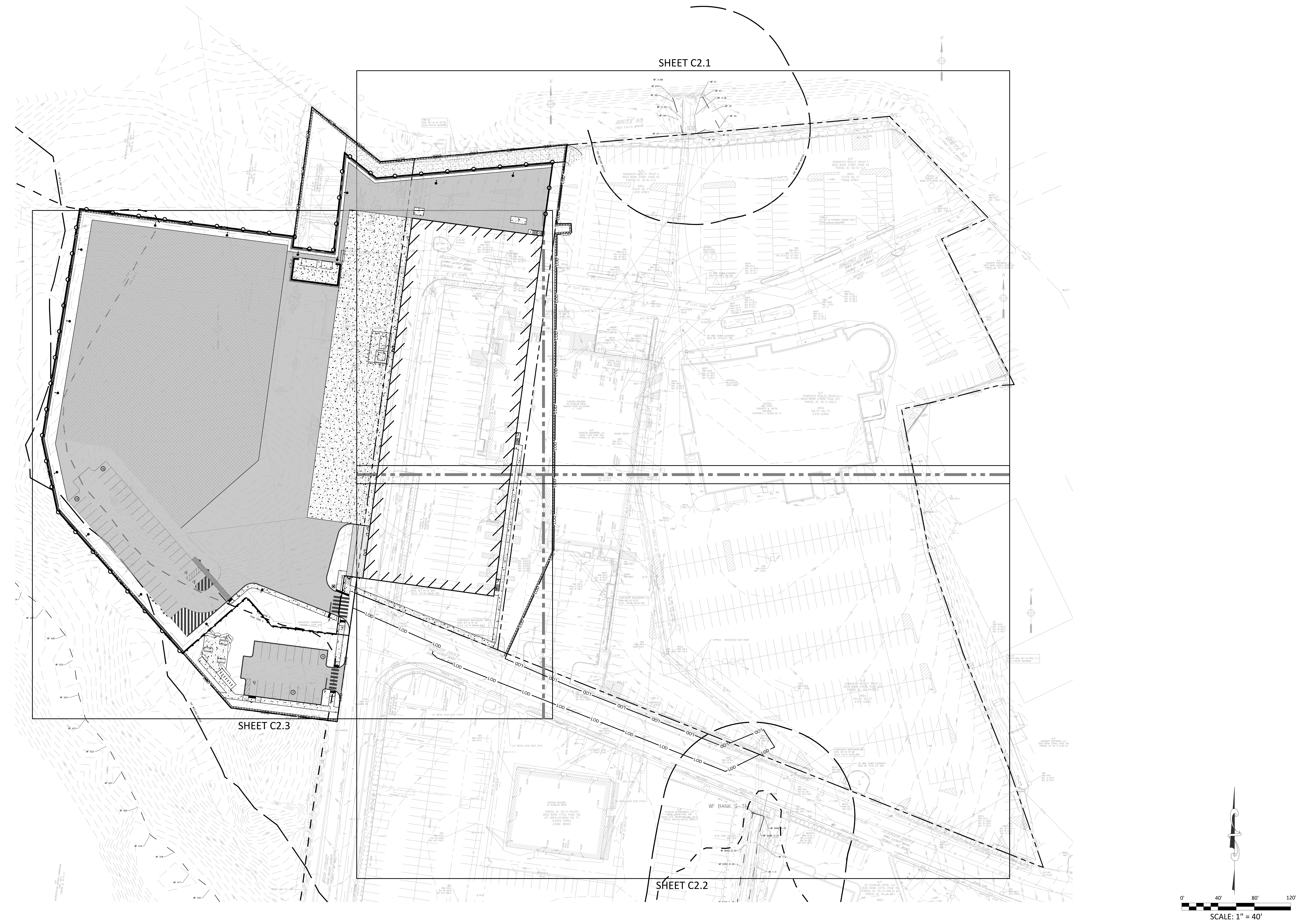
SITE LOCATION PLAN

G-010



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OVERALL SITE IMPROVEMENT PLAN

C2.0

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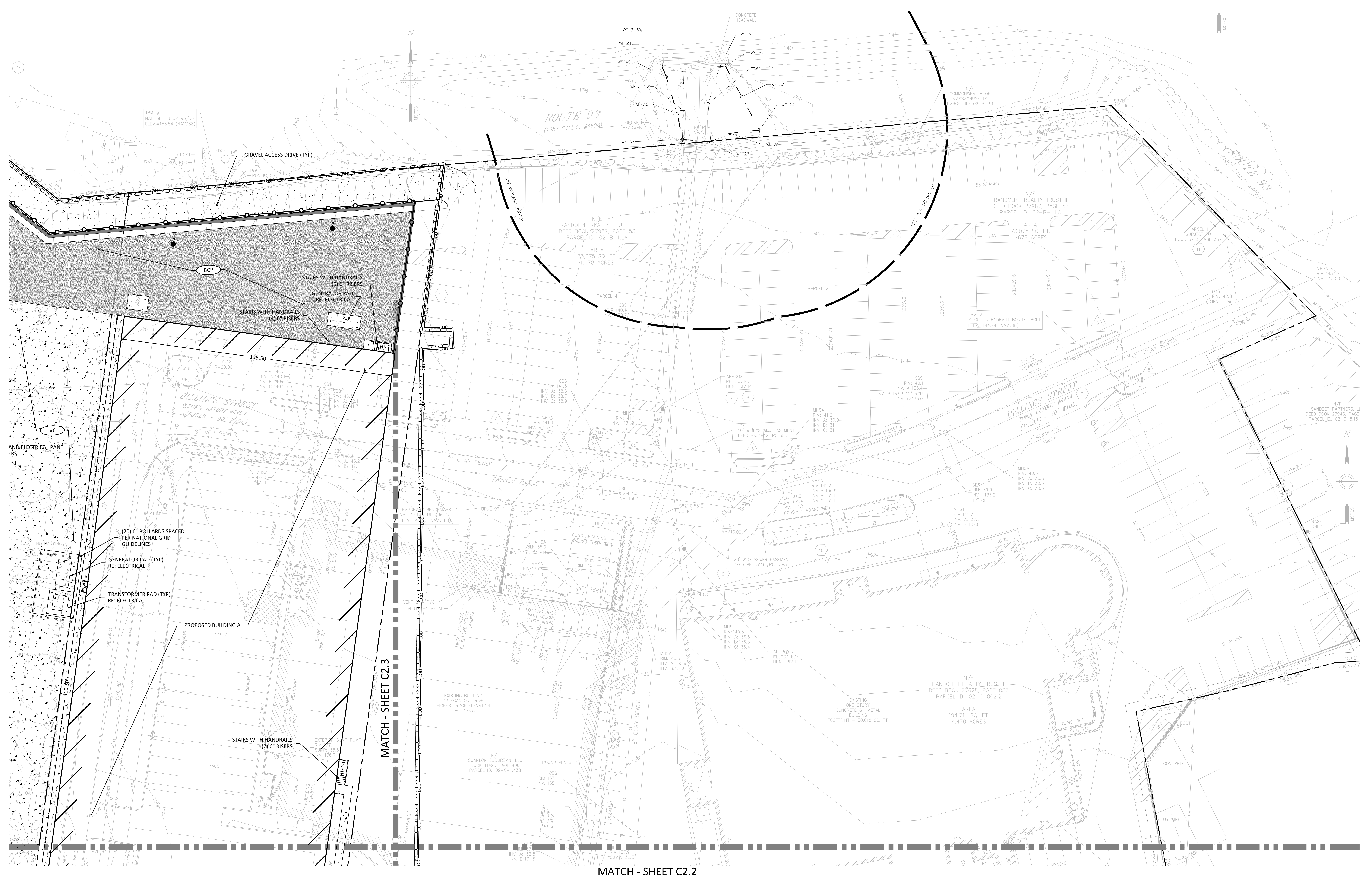

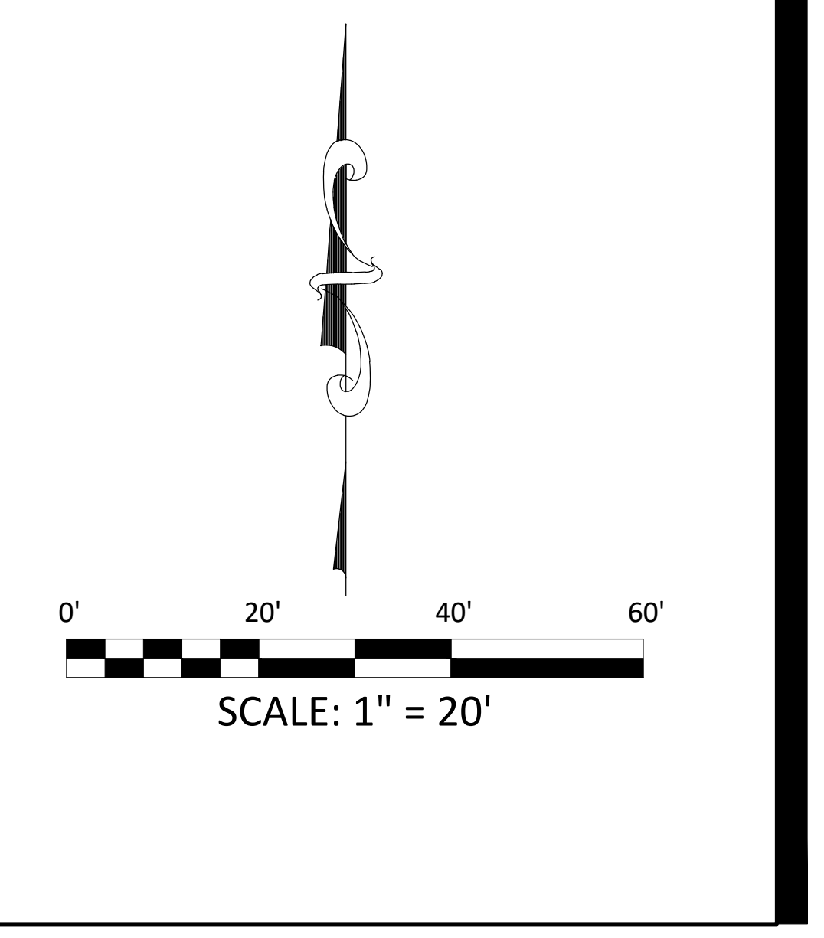

NOTES:

1. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE DURATION OF CONSTRUCTION. AT A MINIMUM, PERIMETER HAY BALES, VEHICLE TRACKING CONTROL, INLET PROTECTION, CONCRETE WASHOUT AREAS AND TEMPORARY SEDIMENTATION BASINS SHOULD BE CONSIDERED
2. GRANITE CURB SHALL BE PROVIDED IN ALL PARKING AREAS AT THE EDGE OF THE PAVEMENT AND ADJACENT TO SIDEWALKS
3. CURB, BERM, AND WALKWAY RADII SHALL BE 2 FEET UNLESS NOTED ON PLANS.
4. WHERE SIDEWALKS INTERSECT CURB LINES, ADA, MAAB COMPLIANT CURB RAMP WITH DETECTABLE WARNING MAT SHALL BE INSTALLED. DETECTABLE WARNING PANELS SHALL BE CAST IRON, SEE SPECIFICATION SECTION 32 13 12.
5. CURB & GUTTER RELATED DIMENSIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED.
6. ALL PAVEMENT MARKINGS ONSITE SHALL BE WATERBOURNE, CONFORMING TO MASSACHUSETTS STANDARD SPECIFICATIONS.
7. CONCRETE WALKWAY MATERIALS SHOWN FOR CLARITY ONLY. REFER TO LANDSCAPE PLANS FOR ALL WALKWAY MATERIALS, FINISHES, AND SCORING.

▨	HEAVY-DUTY BITUMINOUS CONCRETE PAVEMENT: 1.5" FINISH COURSE OVER 2" BINDER COURSE OVER 8.5' PROCESSED GRAVEL OVER 12" COMPACTED SUBGRADE
▧	SIDEWALK CONCRETE RE: LANDSCAPE FOR CONCRETE TYPE
▨	POROUS PAVEMENT RE: SITE DETAILS

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SITE IMPROVEMENT
PLAN 1

C2.1

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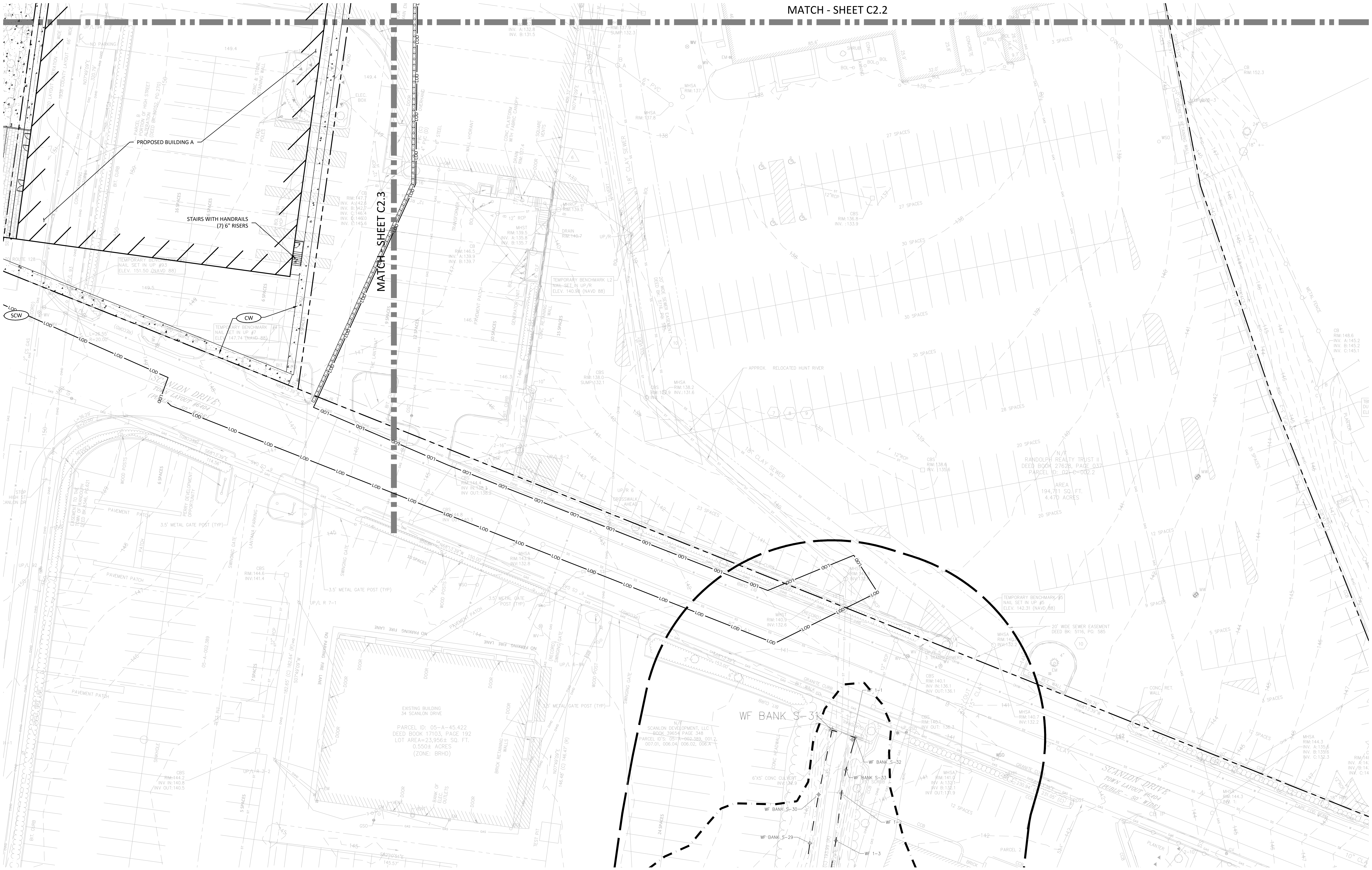

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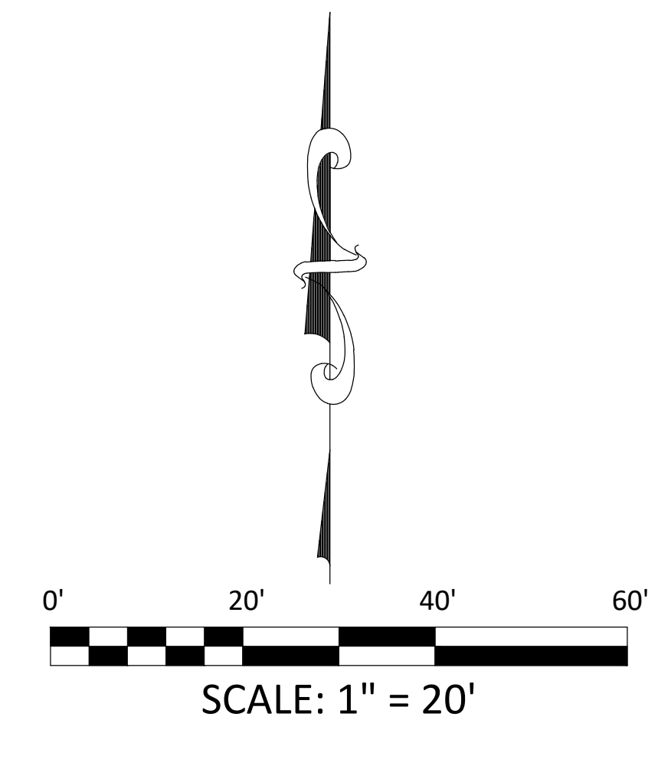

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SITE IMPROVEMENT
PLAN 2

C2.2

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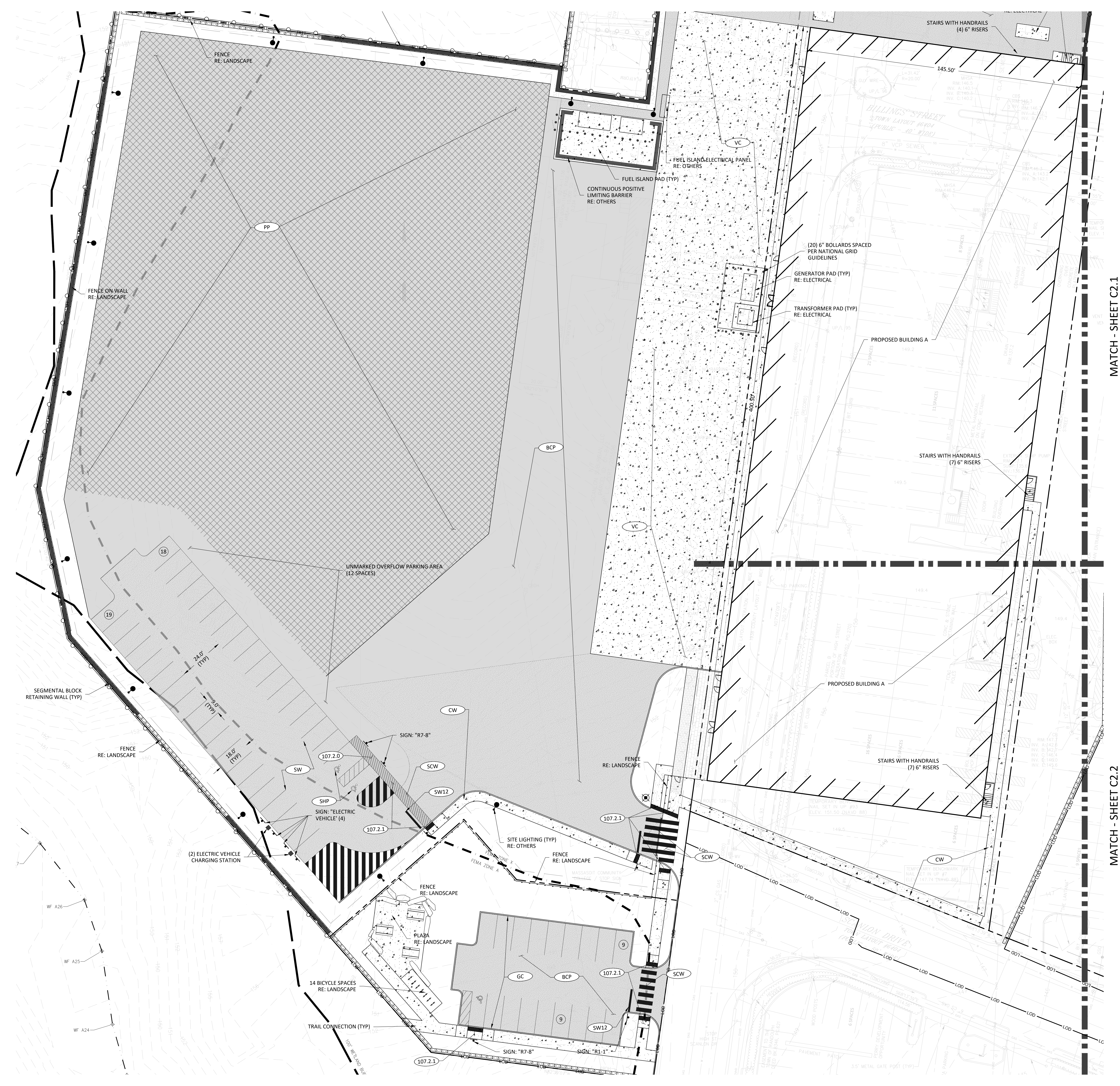

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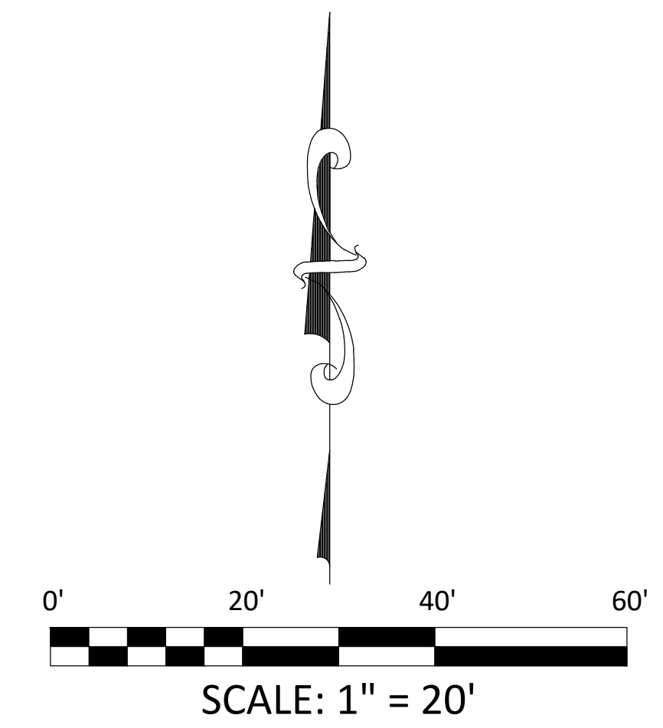

SCALE: 1" = 20'

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SITE IMPROVEMENT
PLAN 3

C2.3

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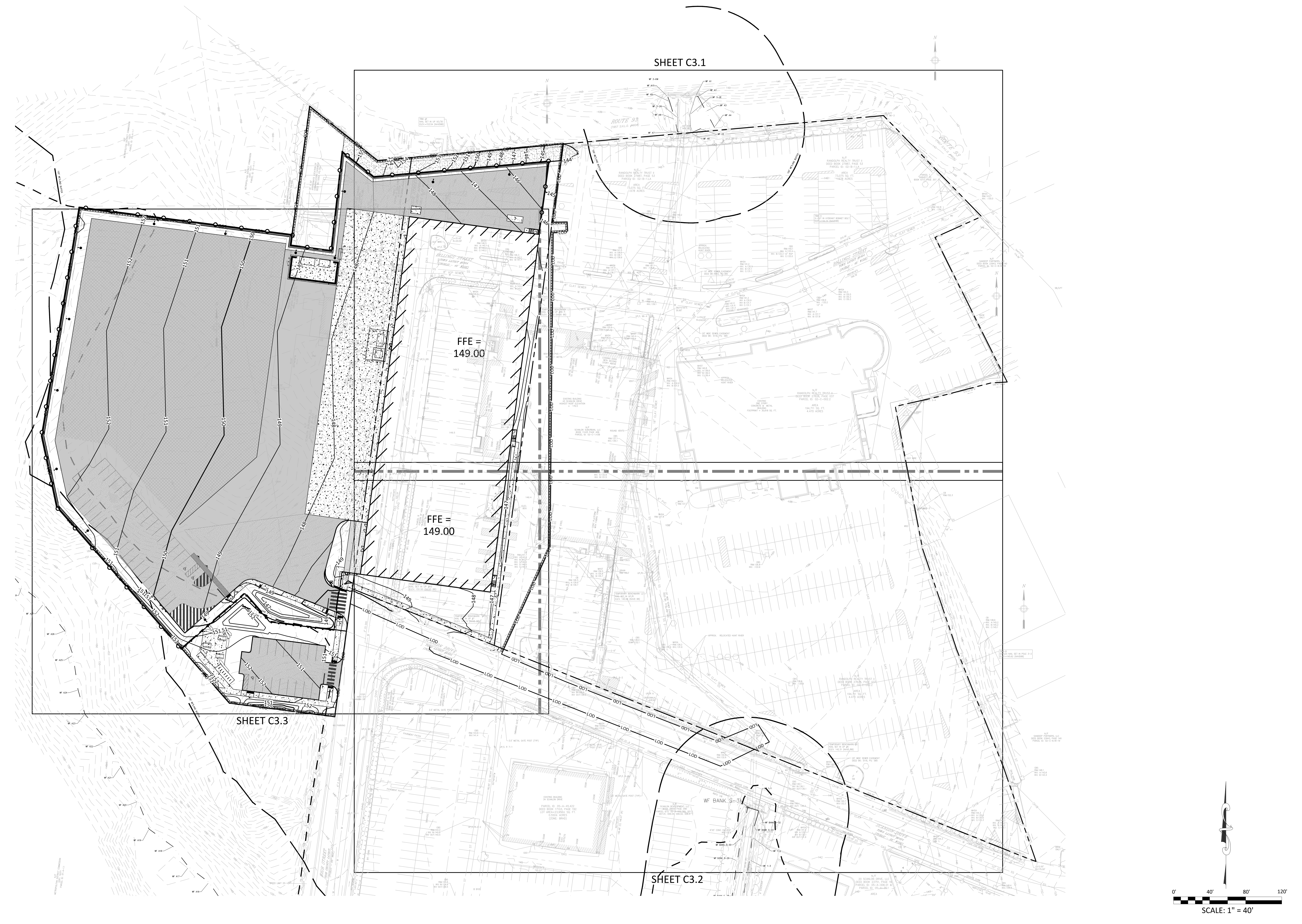

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OVERALL GRADING
PLAN

C3.0

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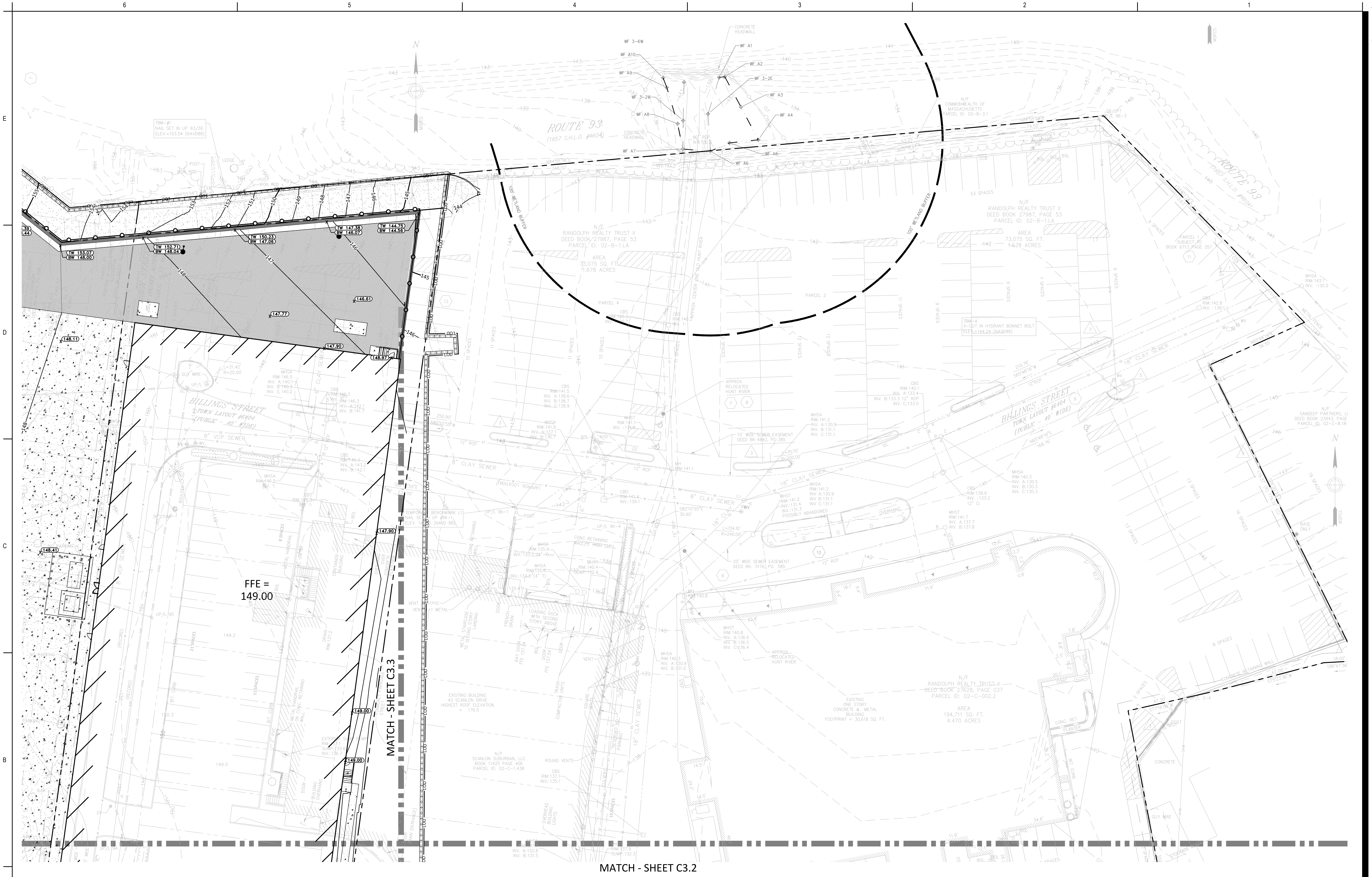
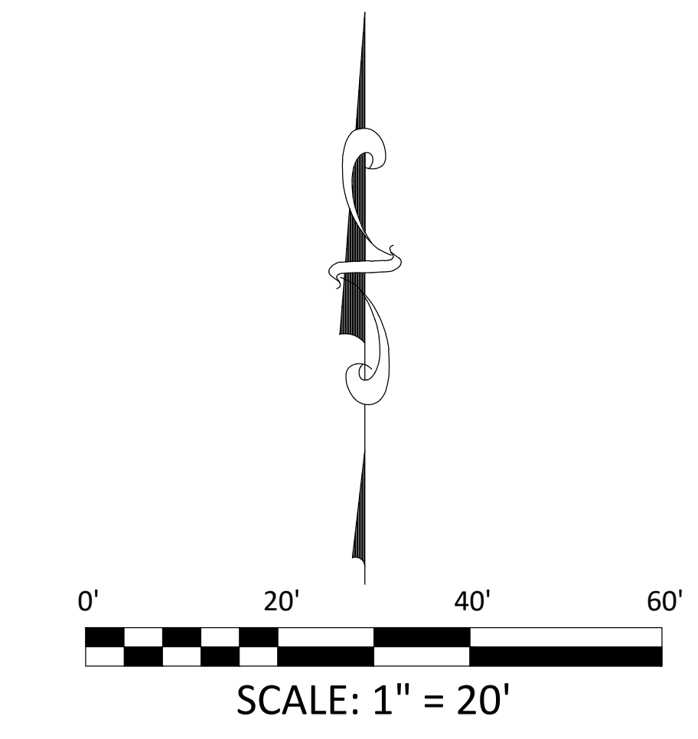


NOTES:

1. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
2. SITE GRADES SHALL CONFORM WITH ADA AND MAAB REQUIREMENTS. IN AREAS WHERE THESE REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION.
3. ALL TRANSITIONS BETWEEN GROUND COVERING MATERIALS SHALL BE SMOOTH AND MEET 521 CMR 20.10 REQUIREMENTS.
4. CROSS SLOPES FOR ALL WALKWAYS SHALL NOT EXCEED 2% AND RUNNING SLOPES FOR ALL WALKWAYS SHALL NOT EXCEED 5%.
5. REFER TO GRADING PLANS FOR ALL GRADING STRUCTURE RIM ELEVATIONS.



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GRADING PLAN 1

C3.1

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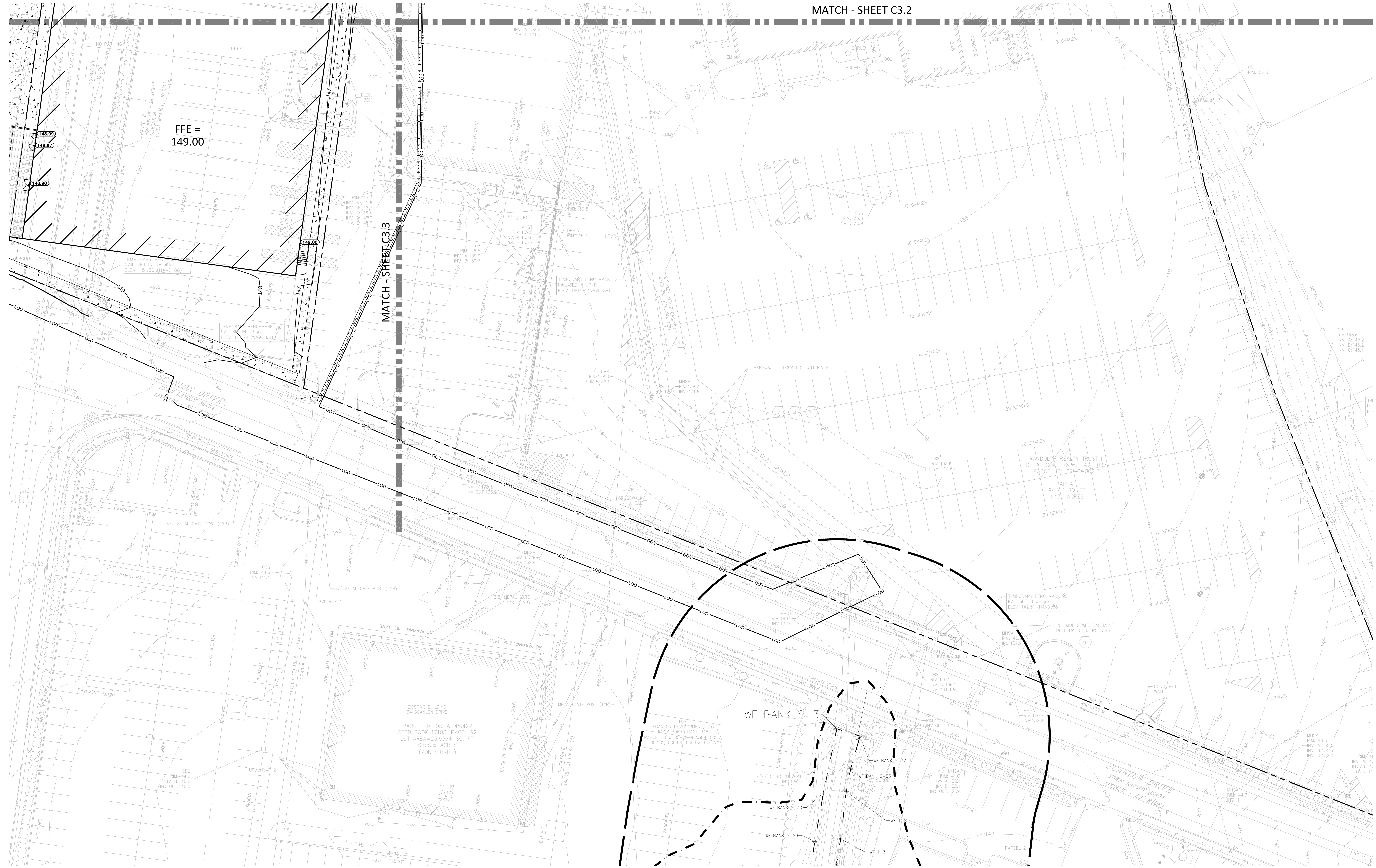
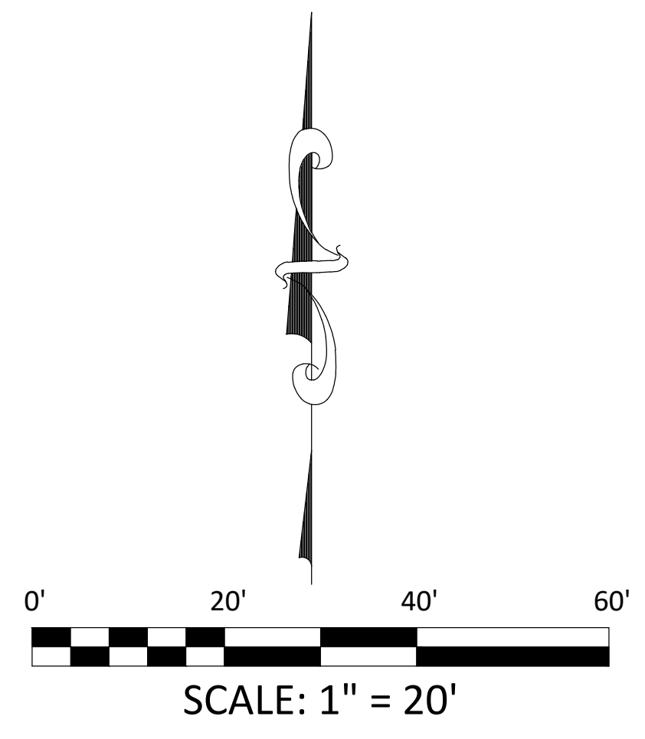


NOTES:

1. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
2. SITE GRADES SHALL CONFORM WITH ADA AND MAAB REQUIREMENTS. IN AREAS WHERE THESE REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION.
3. ALL TRANSITIONS BETWEEN GROUND COVERING MATERIALS SHALL BE SMOOTH AND MEET 521 CMR 20.10 REQUIREMENTS.
4. CROSS SLOPES FOR ALL WALKWAYS SHALL NOT EXCEED 2% AND RUNNING SLOPES FOR ALL WALKWAYS SHALL NOT EXCEED 5%.
5. REFER TO GRADING PLANS FOR ALL GRADING STRUCTURE RIM ELEVATIONS.



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Key Plan

PROJECT
NORTH

Notes

4	100% CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06
Issued/Revision		YYYY.MM.DD

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Project No. 78000

GRADING PLAN 2

C3.2

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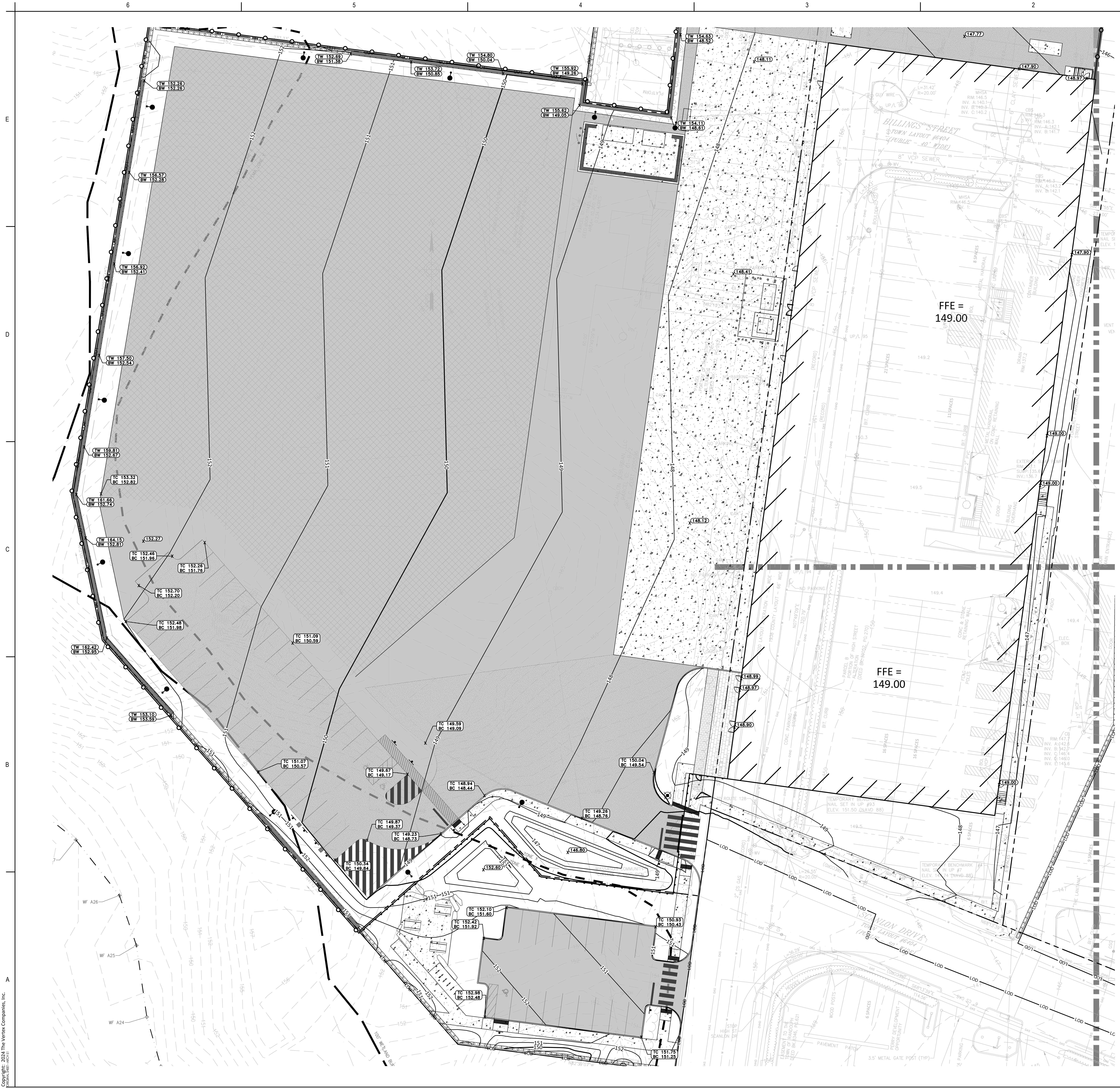

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Project No. 78000

GRADING PLAN 3

C3.3

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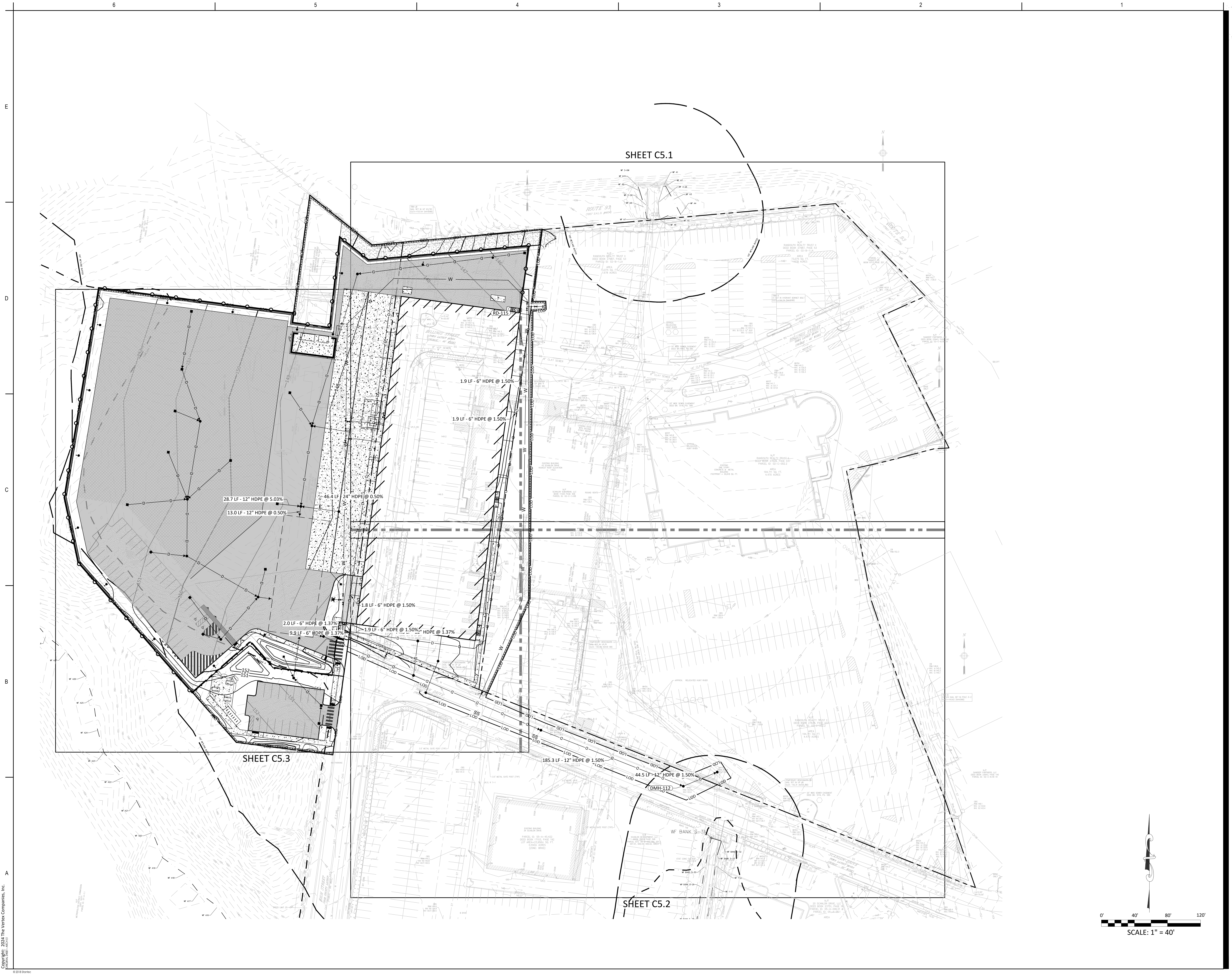

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OVERALL DRAINAGE PLAN

C5.0

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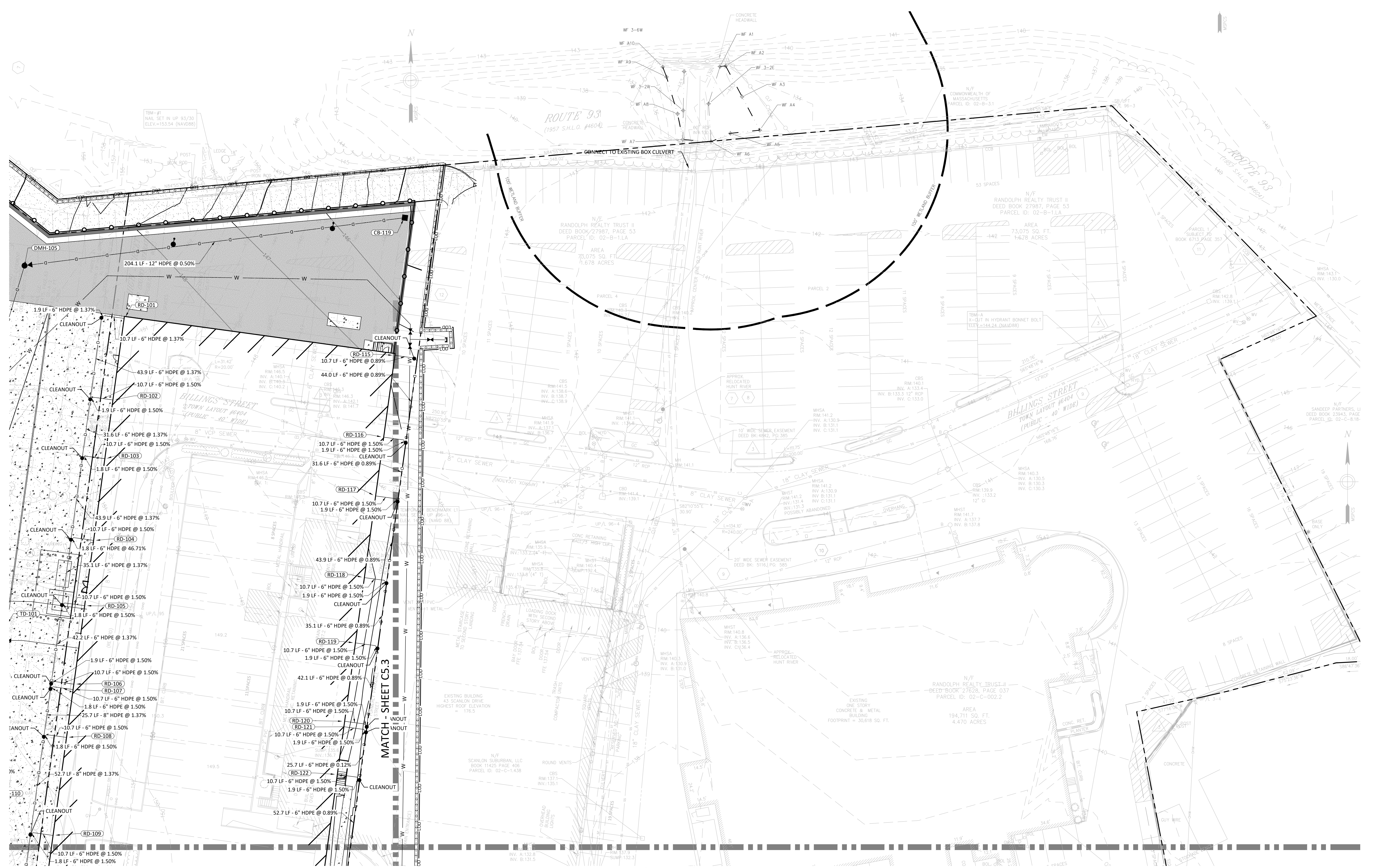

CONNECT TO EXISTING BOX CULVERT
ROUTE 93
100' WETLAND BUFFER
BILLINGS STREET
CB-119
DMH-105
204.1 LF - 12" HDPE @ 0.50%
RD-101
1.9 LF - 6" HDPE @ 1.37%
CLEANOUT
10.7 LF - 6" HDPE @ 1.37%
43.9 LF - 6" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
CLEANOUT
RD-102
1.9 LF - 6" HDPE @ 1.50%
31.6 LF - 6" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
CLEANOUT
RD-103
1.8 LF - 6" HDPE @ 1.50%
43.9 LF - 6" HDPE @ 1.37%
CLEANOUT
10.7 LF - 6" HDPE @ 1.50%
RD-104
1.8 LF - 6" HDPE @ 46.71%
35.1 LF - 6" HDPE @ 1.37%
CLEANOUT
10.7 LF - 6" HDPE @ 1.50%
RD-105
TD-101
1.8 LF - 6" HDPE @ 1.50%
42.2 LF - 6" HDPE @ 1.37%
1.9 LF - 6" HDPE @ 1.50%
10.7 LF - 6" HDPE @ 1.50%
CLEANOUT
CLEANOUT
RD-106
RD-107
10.7 LF - 6" HDPE @ 1.50%
1.8 LF - 6" HDPE @ 1.50%
25.7 LF - 8" HDPE @ 1.37%
EANOUT
10.7 LF - 6" HDPE @ 1.50%
RD-108
1.8 LF - 6" HDPE @ 1.50%
52.7 LF - 8" HDPE @ 1.37%
110
CLEANOUT
RD-109
10.7 LF - 6" HDPE @ 1.50%
1.8 LF - 6" HDPE @ 1.50%
CLEANOUT
RD-115
10.7 LF - 6" HDPE @ 0.89%
44.0 LF - 6" HDPE @ 0.89%
RD-116
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
CLEANOUT
31.6 LF - 6" HDPE @ 0.89%
RD-117
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
CLEANOUT
43.9 LF - 6" HDPE @ 0.89%
RD-118
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
CLEANOUT
35.1 LF - 6" HDPE @ 0.89%
RD-119
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
CLEANOUT
42.1 LF - 6" HDPE @ 0.89%
1.9 LF - 6" HDPE @ 1.50%
10.7 LF - 6" HDPE @ 1.50%
CLEANOUT
CLEANOUT
RD-120
RD-121
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
25.7 LF - 6" HDPE @ 0.12%
RD-122
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
CLEANOUT
52.7 LF - 6" HDPE @ 0.89%
MATCH - SHEET C5.3

MATCH - SHEET C5.2

NOTE:

1. EXISTING UNDERGROUND UTILITY LOCATIONS ARE ESTIMATED. AT THIS TIME EXISTENCE AND CONDITIONS OF UTILITIES HAVE NOT BEEN CONFIRMED

2. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE DURATION OF CONSTRUCTION. AT A MINIMUM, PERIMETER HAY BALES, VEHICLE TRACKING CONTROL, INLET PROTECTION, CONCRETE WASHOUT AREAS AND TEMPORARY SEDIMENTATION BASINS SHOULD BE CONSIDERED

3. ALL UTILITIES WITHIN THE FOOTPRINT OF PROPOSED BUILDING ADDITIONS SHOULD BE ANTICIPATED TO BE REMOVED AND RELOCATED. SERVICE SHALL BE MAINTAINED TO EXISTING BUILDINGS TO REMAIN FOR THE DURATION OF CONSTRUCTION

6. ALL EXISTING STRUCTURES TO REMAIN WITHIN THE LIMITS OF WORK SHALL BE ADJUSTED TO FINISH GRADE. SERVICE SHALL BE MAINTAINED TO EXISTING BUILDINGS TO REMAIN FOR THE DURATION OF CONSTRUCTION.

7. ALL PRECAST CONCRETE MANHOLES FOR SANITARY AND DRAINAGE SHALL CONFORM TO THE ASTM "SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS," DESIGNATION D478. THE BARREL SHALL BE 4-FOOT WITH A 1-FOOT COLLAR TO PREVENT FLOTATION

8. ALL DRAIN LINES SHALL BE 12" UNLESS OTHERWISE NOTED. ALL DRAIN LINES SHALL BE RCP UNLESS OTHERWISE NOTED

9. ALL CATCH BASINS TO BE 4' DIAMETER (UNLESS OTHERWISE NOTED) SHALL CONFORM TO MHD STANDARD DETAIL 201.4.0 AND ALL CATCH BASIN FRAMES AND GRATES SHALL CONFORM TO 201.6.0 UNLESS OTHERWISE NOTED.

10. ALL MANHOLES TO BE 4' DIAMETER (UNLESS OTHERWISE NOTED) AND SHALL CONFORM TO MHD STANDARD DETAIL 202.4.0 AND ALL MANHOLE FRAMES AND COVERS SHALL CONFORM TO 202.6.0 UNLESS OTHERWISE NOTED. CONCRETE ANTI-FLOTATION COLLARS SHALL BE PROVIDED AT ALL MANHOLES.

11. REINFORCED CONCRETE PIPE AND FLARED ENDS SHALL CONFORM TO THE AASHTO M170 FOR STANDARD STRENGTH REINFORCED CONCRETE CULVERT PIPE FOR CLASS III PIPE, WALL B. OR ASTM C76 FOR REINFORCED CONCRETE CULVERT AND STORM DRAIN PIPE UNLESS NOTED OTHERWISE. ALL PIPE 24 INCHES IN DIAMETER OR SMALLER SHALL BE OF THE BELL AND SPIGOT TYPE. PIPES LARGER THAN 24 INCHES IN DIAMETER SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT. ALL DRAINAGE PIPING SHALL BE GASKETED.

12. RCP PIPE LOCATED IN VEHICULAR AREAS WITH LESS THAN 6" OF COVER BELOW SUBGRADE ELEVATION SHALL BE CLASS V

13. CONCRETE VAULT DETENTION SYSTEMS SHALL INCLUDE AN 8" EXTENDED CONCRETE SLAB WITH UNITS ANCHORED INTO SLAB, AND SHALL BE LINED WITH AN IMPERVIOUS LINER

14. HIGH-DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL BE ADS N-12 IB ST SMOOTH INTERIOR PIPE, ADS N-12 IB ST HIGH CAPACITY LARGE DIAMETER PIPE OR APPROVED EQUIVALENT. JOINTS SHALL BE SOIL-TIGHT AND INCLUDE A RUBBER GASKET ON THE SPIGOT END OF THE PIPE. WHEN INSTALLED INTO THE BELL END, THE JOINT SHALL BE SEALED.

15. MANHOLES OVER 12 FEET IN DEPTH SHALL HAVE MINIMUM OF 5 FEET INSIDE DIAMETER. ALL MANHOLES SHALL HAVE A SUMP OF AT LEAST 30 INCHES BELOW INVERT OF OUTLET PIPE. RISERS SHALL BE CLAY OR SHALE BRICK, AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 91, GRADE MM OR AS SPECIFIED IN MASSDOT M4.05.

16. ALL CATCH BASINS SHALL HAVE A SUMP OF AT LEAST 48 INCHES (4 FEET) BELOW THE INVERT OF THE OUTLET PIPE, OR OTHERWISE APPROVED BY THE DPW, AND AN INSIDE DIAMETER OF 4 FEET MINIMUM.

17. LIVE LOAD DESIGN FOR CATCH BASINS SHALL BE HS-25 LOADING. CATCH BASINS WHICH ARE LIMITED BY HEIGHT SHALL BE INSTALLED WITH A FLAT TOP SLAB, CAST IN PLACE, DESIGNED FOR HS-25 LOADING AND CAST IRON FRAME CAST IN PLACE.

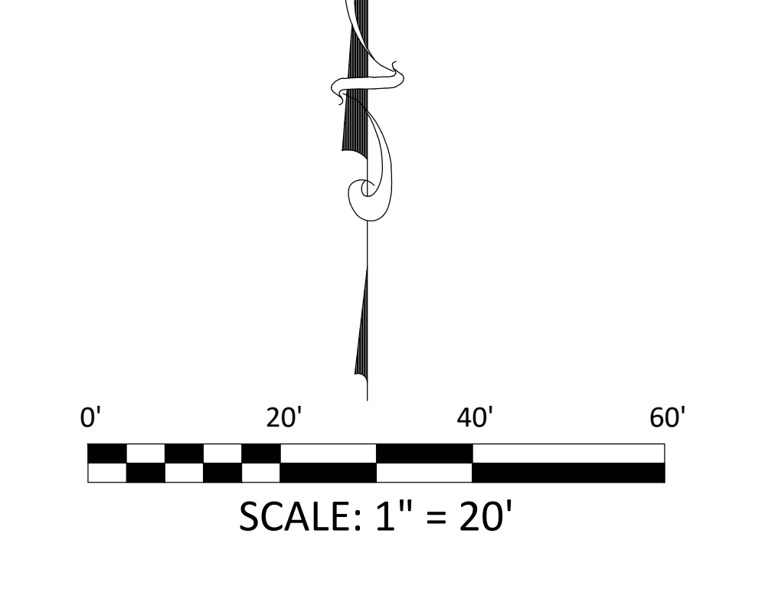
18. MANHOLE FRAMES AND COVERS SHALL BE AT LEAST CLASS 25 CONFORMING TO ASTM A48 "STANDARD SPECIFICATION FOR GRAY IRON CASTINGS.

19. CATCH BASIN HOODS SHALL BE USED TO MINIMIZE THE ENTRY OF OIL, GASOLINE, AND DEBRIS INTO DRAINAGE PIPES.

20. WHERE PROPOSED DRAIN LINES CROSS SANITARY OR WATER LINES WITH LESS THAN 1.5' CLEARANCE, ENCASE BOTH UTILITIES IN FLOWABLE FILL FOR A DISTANCE OF 10' ON EITHER SIDE OF CROSSING. CENTER PIPE LENGTH AT CROSSING. REFER TO CROSSING DETAIL ON SHEET C6._ ON DETAIL SHEETS.

21. HYDRODYNAMIC SEPARATORS SHALL BE CONTECH CDS2025-5-C, UNLESS OTHERWISE NOTED, OR APPROVED EQUIVALENT.

22. CONCRETE ANTI-FLOTATION COLLARS SHALL BE PROVIDED AT ALL MANHOLES IN AREAS OF HIGH GROUNDWATER.



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Key Plan

PROJECT
NORTH

Notes

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3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

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Scale AS NOTED
Project No. 78000

DRAINAGE PLAN 1

C5.1

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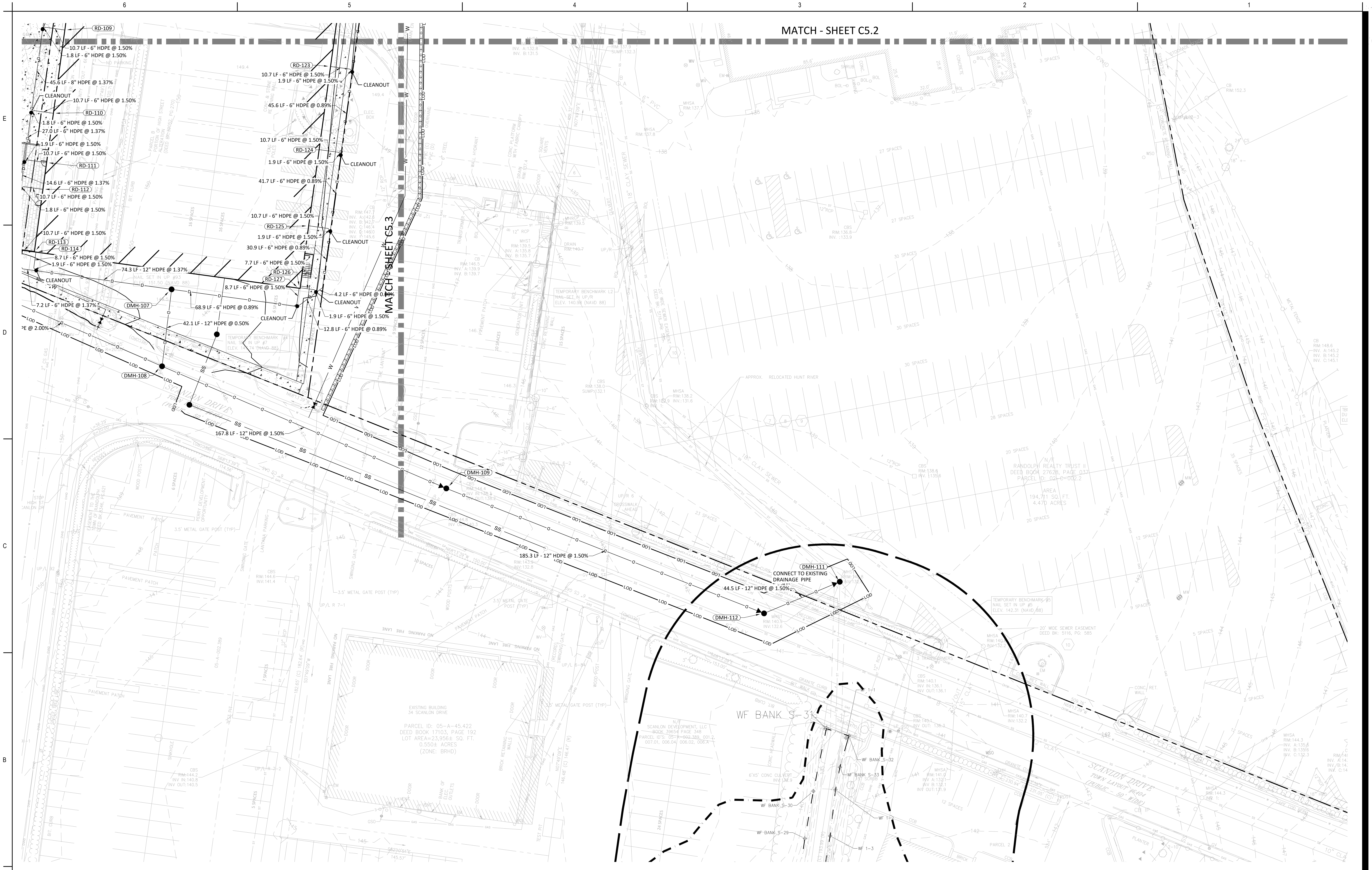

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12. RCP PIPE LOCATED IN VEHICULAR AREAS WITH LESS THAN 6" OF COVER BELOW SUBGRADE ELEVATION SHALL BE CLASS V
13. CONCRETE VAULT DETENTION SYSTEMS SHALL INCLUDE AN 8" EXTENDED CONCRETE SLAB WITH UNITS ANCHORED INTO SLAB, AND SHALL BE LINED WITH AN IMPERVIOUS LINER
14. HIGH-DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL BE ADS N-12 IB ST SMOOTH INTERIOR PIPE, ADS N-12 IB ST HIGH CAPACITY LARGE DIAMETER PIPE OR APPROVED EQUIVALENT. JOINTS SHALL BE SOIL-TIGHT AND INCLUDE A RUBBER GASKET ON THE SPIGOT END OF THE PIPE. WHEN INSTALLED INTO THE BELL END, THE JOINT SHALL BE SEALED.
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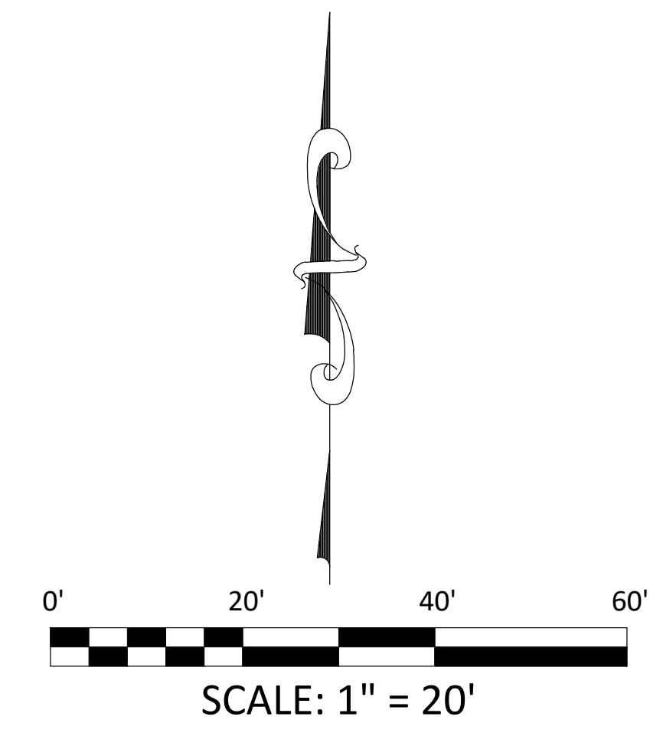

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Project No. 78000

DRAINAGE PLAN 2

C5.2

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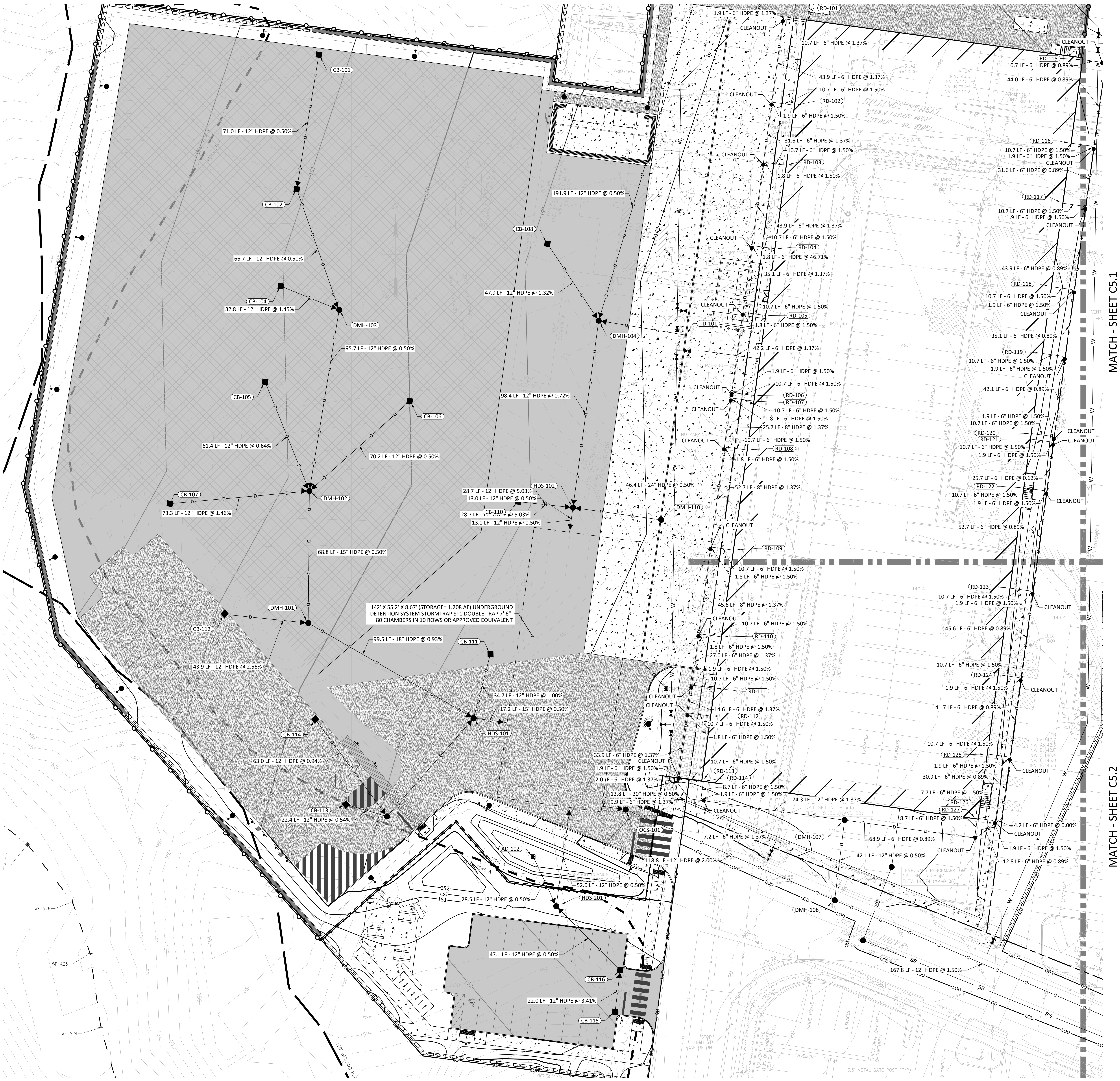
RD-101
1.9 LF - 6" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.37%
CLEANOUT
43.9 LF - 6" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
RD-102
1.9 LF - 6" HDPE @ 1.50%
31.6 LF - 6" HDPE @ 1.37%
RD-103
1.8 LF - 6" HDPE @ 1.50%
BILLINGS STREET
TOWN LAYOUT #4404
(PUBLIC - 40' WIDE)
CB-101
71.0 LF - 12" HDPE @ 0.50%
CB-102
191.9 LF - 12" HDPE @ 0.50%
CB-108
66.7 LF - 12" HDPE @ 0.50%
47.9 LF - 12" HDPE @ 1.32%
CB-104
32.8 LF - 12" HDPE @ 1.45%
DMH-103
DMH-104
95.7 LF - 12" HDPE @ 0.50%
43.9 LF - 6" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
RD-104
1.8 LF - 6" HDPE @ 46.71%
35.1 LF - 6" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
RD-105
TD-101
1.8 LF - 6" HDPE @ 1.50%
42.2 LF - 6" HDPE @ 1.37%
CB-105
CB-106
98.4 LF - 12" HDPE @ 0.72%
61.4 LF - 12" HDPE @ 0.64%
70.2 LF - 12" HDPE @ 0.50%
1.9 LF - 6" HDPE @ 1.50%
10.7 LF - 6" HDPE @ 1.50%
RD-106
RD-107
10.7 LF - 6" HDPE @ 1.50%
1.8 LF - 6" HDPE @ 1.50%
25.7 LF - 8" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
RD-108
1.8 LF - 6" HDPE @ 1.50%
CB-107
73.3 LF - 12" HDPE @ 1.46%
DMH-102
28.7 LF - 12" HDPE @ 5.03%
13.0 LF - 12" HDPE @ 0.50%
HDS-102
CB-110
28.7 LF - 12" HDPE @ 5.03%
13.0 LF - 12" HDPE @ 0.50%
46.4 LF - 24" HDPE @ 0.50%
DMH-110
52.7 LF - 8" HDPE @ 1.37%
68.8 LF - 15" HDPE @ 0.50%
RD-109
10.7 LF - 6" HDPE @ 1.50%
1.8 LF - 6" HDPE @ 1.50%
DMH-101
CB-112
142' X 55.2' X 8.67' (STORAGE= 1.208 AF) UNDERGROUND DETENTION SYSTEM STORMTRAP ST1 DOUBLE TRAP 7' 6" - 80 CHAMBERS IN 10 ROWS OR APPROVED EQUIVALENT
99.5 LF - 18" HDPE @ 0.93%
CB-111
45.6 LF - 8" HDPE @ 1.37%
10.7 LF - 6" HDPE @ 1.50%
RD-110
1.8 LF - 6" HDPE @ 1.50%
27.0 LF - 6" HDPE @ 1.37%
1.9 LF - 6" HDPE @ 1.50%
10.7 LF - 6" HDPE @ 1.50%
RD-111
43.9 LF - 12" HDPE @ 2.56%
34.7 LF - 12" HDPE @ 1.00%
17.2 LF - 15" HDPE @ 0.50%
HDS-101
14.6 LF - 6" HDPE @ 1.37%
RD-112
10.7 LF - 6" HDPE @ 1.50%
1.8 LF - 6" HDPE @ 1.50%
CB-114
63.0 LF - 12" HDPE @ 0.94%
33.9 LF - 6" HDPE @ 1.37%
1.9 LF - 6" HDPE @ 1.50%
2.0 LF - 6" HDPE @ 1.50%
10.7 LF - 6" HDPE @ 1.50%
RD-113
RD-114
8.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
13.8 LF - 30" HDPE @ 0.50%
9.9 LF - 6" HDPE @ 1.37%
74.3 LF - 12" HDPE @ 1.37%
CB-113
22.4 LF - 12" HDPE @ 0.54%
OCS-101
7.2 LF - 6" HDPE @ 1.37%
DMH-107
68.9 LF - 6" HDPE @ 0.89%
42.1 LF - 12" HDPE @ 0.50%
AD-102
118.8 LF - 12" HDPE @ 2.00%
52.0 LF - 12" HDPE @ 0.50%
28.5 LF - 12" HDPE @ 0.50%
HDS-201
DMH-108
47.1 LF - 12" HDPE @ 0.50%
CB-116
22.0 LF - 12" HDPE @ 3.41%
CB-115
167.8 LF - 12" HDPE @ 1.50%
RD-115
10.7 LF - 6" HDPE @ 0.89%
44.0 LF - 6" HDPE @ 0.89%
RD-116
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
31.6 LF - 6" HDPE @ 0.89%
RD-117
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
43.9 LF - 6" HDPE @ 0.89%
RD-118
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
35.1 LF - 6" HDPE @ 0.89%
RD-119
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
42.1 LF - 6" HDPE @ 0.89%
1.9 LF - 6" HDPE @ 1.50%
10.7 LF - 6" HDPE @ 1.50%
RD-120
RD-121
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
25.7 LF - 6" HDPE @ 0.12%
RD-122
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
52.7 LF - 6" HDPE @ 0.89%
RD-123
10.7 LF - 6" HDPE @ 1.50%
1.9 LF - 6" HDPE @ 1.50%
45.6 LF - 6" HDPE @ 0.89%
10.7 LF - 6" HDPE @ 1.50%
RD-124
1.9 LF - 6" HDPE @ 1.50%
41.7 LF - 6" HDPE @ 0.89%
10.7 LF - 6" HDPE @ 1.50%
RD-125
1.9 LF - 6" HDPE @ 1.50%
30.9 LF - 6" HDPE @ 0.89%
7.7 LF - 6" HDPE @ 1.50%
RD-126
RD-127
8.7 LF - 6" HDPE @ 1.50%
4.2 LF - 6" HDPE @ 0.00%
1.9 LF - 6" HDPE @ 1.50%
12.8 LF - 6" HDPE @ 0.89%
MATCH - SHEET C5.1
MATCH - SHEET C5.2
WF A26
WF A25
WF A24
0' 20' 40' 60'
SCALE: 1" = 20'

NOTE:

1. EXISTING UNDERGROUND UTILITY LOCATIONS ARE ESTIMATED. AT THIS TIME EXISTENCE AND CONDITIONS OF UTILITIES HAVE NOT BEEN CONFIRMED
2. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED FOR THE DURATION OF CONSTRUCTION. AT A MINIMUM, PERIMETER HAY BALES, VEHICLE TRACKING CONTROL, INLET PROTECTION, CONCRETE WASHOUT AREAS AND TEMPORARY SEDIMENTATION BASINS SHOULD BE CONSIDERED
3. ALL UTILITIES WITHIN THE FOOTPRINT OF PROPOSED BUILDING ADDITIONS SHOULD BE ANTICIPATED TO BE REMOVED AND RELOCATED. SERVICE SHALL BE MAINTAINED TO EXISTING BUILDINGS TO REMAIN FOR THE DURATION OF CONSTRUCTION
6. ALL EXISTING STRUCTURES TO REMAIN WITHIN THE LIMITS OF WORK SHALL BE ADJUSTED TO FINISH GRADE. SERVICE SHALL BE MAINTAINED TO EXISTING BUILDINGS TO REMAIN FOR THE DURATION OF CONSTRUCTION.
7. ALL PRECAST CONCRETE MANHOLES FOR SANITARY AND DRAINAGE SHALL CONFORM TO THE ASTM "SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS," DESIGNATION D478. THE BARREL SHALL BE 4-FOOT WITH A 1-FOOT COLLAR TO PREVENT FLOTATION
8. ALL DRAIN LINES SHALL BE 12" UNLESS OTHERWISE NOTED. ALL DRAIN LINES SHALL BE RCP UNLESS OTHERWISE NOTED
9. ALL CATCH BASINS TO BE 4' DIAMETER (UNLESS OTHERWISE NOTED) SHALL CONFORM TO MHD STANDARD DETAIL 201.4.0 AND ALL CATCH BASIN FRAMES AND GRATES SHALL CONFORM TO 201.6.0 UNLESS OTHERWISE NOTED.
10. ALL MANHOLES TO BE 4' DIAMETER (UNLESS OTHERWISE NOTED) AND SHALL CONFORM TO MHD STANDARD DETAIL 202.4.0 AND ALL MANHOLE FRAMES AND COVERS SHALL CONFORM TO 202.6.0 UNLESS OTHERWISE NOTED. CONCRETE ANTI-FLOTATION COLLARS SHALL BE PROVIDED AT ALL MANHOLES.
11. REINFORCED CONCRETE PIPE AND FLARED ENDS SHALL CONFORM TO THE AASHTO M170 FOR STANDARD STRENGTH REINFORCED CONCRETE CULVERT PIPE FOR CLASS III PIPE, WALL B. OR ASTM C76 FOR REINFORCED CONCRETE CULVERT AND STORM DRAIN PIPE UNLESS NOTED OTHERWISE. ALL PIPE 24 INCHES IN DIAMETER OR SMALLER SHALL BE OF THE BELL AND SPIGOT TYPE. PIPES LARGER THAN 24 INCHES IN DIAMETER SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT. ALL DRAINAGE PIPING SHALL BE GASKETED.
12. RCP PIPE LOCATED IN VEHICULAR AREAS WITH LESS THAN 6" OF COVER BELOW SUBGRADE ELEVATION SHALL BE CLASS V
13. CONCRETE VAULT DETENTION SYSTEMS SHALL INCLUDE AN 8" EXTENDED CONCRETE SLAB WITH UNITS ANCHORED INTO SLAB, AND SHALL BE LINED WITH AN IMPERVIOUS LINER
14. HIGH-DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL BE ADS N-12 IB ST SMOOTH INTERIOR PIPE, ADS N-12 IB ST HIGH CAPACITY LARGE DIAMETER PIPE OR APPROVED EQUIVALENT. JOINTS SHALL BE SOIL-TIGHT AND INCLUDE A RUBBER GASKET ON THE SPIGOT END OF THE PIPE. WHEN INSTALLED INTO THE BELL END, THE JOINT SHALL BE SEALED.
15. MANHOLES OVER 12 FEET IN DEPTH SHALL HAVE MINIMUM OF 5 FEET INSIDE DIAMETER. ALL MANHOLES SHALL HAVE A SUMP OF AT LEAST 30 INCHES BELOW INVERT OF OUTLET PIPE. RISERS SHALL BE CLAY OR SHALE BRICK, AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 91, GRADE MM OR AS SPECIFIED IN MASSDOT M4.05.
16. ALL CATCH BASINS SHALL HAVE A SUMP OF AT LEAST 48 INCHES (4 FEET) BELOW THE INVERT OF THE OUTLET PIPE, OR OTHERWISE APPROVED BY THE DPW, AND AN INSIDE DIAMETER OF 4 FEET MINIMUM.
17. LIVE LOAD DESIGN FOR CATCH BASINS SHALL BE HS-25 LOADING. CATCH BASINS WHICH ARE LIMITED BY HEIGHT SHALL BE INSTALLED WITH A FLAT TOP SLAB, CAST IN PLACE, DESIGNED FOR HS-25 LOADING AND CAST IRON FRAME CAST IN PLACE.
18. MANHOLE FRAMES AND COVERS SHALL BE AT LEAST CLASS 25 CONFORMING TO ASTM A48 "STANDARD SPECIFICATION FOR GRAY IRON CASTINGS.
19. CATCH BASIN HOODS SHALL BE USED TO MINIMIZE THE ENTRY OF OIL, GASOLINE, AND DEBRIS INTO DRAINAGE PIPES.
20. WHERE PROPOSED DRAIN LINES CROSS SANITARY OR WATER LINES WITH LESS THAN 1.5' CLEARANCE, ENCASE BOTH UTILITIES IN FLOWABLE FILL FOR A DISTANCE OF 10' ON EITHER SIDE OF CROSSING. CENTER PIPE LENGTH AT CROSSING. REFER TO CROSSING DETAIL ON SHEET C6._ ON DETAIL SHEETS.
21. HYDRODYNAMIC SEPARATORS SHALL BE CONTECH CDS2025-5-C, UNLESS OTHERWISE NOTED, OR APPROVED EQUIVALENT.
22. CONCRETE ANTI-FLOTATION COLLARS SHALL BE PROVIDED AT ALL MANHOLES IN AREAS OF HIGH GROUNDWATER.

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Key Plan

PROJECT NORTH

Notes

4	100% CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

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Permit/Seal

**PRELIMINARY
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CONSTRUCTION**

Scale AS NOTED
Project No. 78000

DRAINAGE PLAN 3

C5.3

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Structure Table	
Structure Name	Structure Details
AD-102	RIM = 146.80 INV OUT = 144.75
CB-101	RIM = 151.27 INV OUT = 149.22
CB-102	RIM = 151.08 INV IN = 148.86 INV OUT = 148.76
CB-104	RIM = 151.02 INV OUT = 148.97
CB-105	RIM = 151.17 INV OUT = 149.12
CB-106	RIM = 150.00 INV OUT = 147.95
CB-107	RIM = 151.84 INV OUT = 149.79
CB-108	RIM = 148.87 INV OUT = 146.82
CB-110	RIM = 149.11 INV OUT = 147.06
CB-111	RIM = 148.72 INV OUT = 146.07
CB-112	RIM = 150.92 INV OUT = 148.74
CB-113	RIM = 149.32 INV OUT = 147.49
CB-114	RIM = 149.79 INV OUT = 147.68
CB-115	RIM = 150.92 INV OUT = 148.82
CB-116	RIM = 150.77 INV IN = 148.07 INV OUT = 147.97
CB-119	RIM = 145.17 INV OUT = 143.12
DMH-101	RIM = 150.22 INV IN = 147.15 INV IN = 147.62 INV OUT = 147.05
DMH-102	RIM = 150.78 INV IN = 147.85 INV IN = 148.73 INV IN = 148.72 INV IN = 147.60 INV OUT = 147.50
DMH-103	RIM = 150.55 INV IN = 148.43 INV IN = 148.50 INV OUT = 148.33
DMH-104	RIM = 148.37 INV IN = 146.19 INV IN = 141.04 INV IN = 146.16 INV OUT = 140.94
DMH-105	RIM = 148.19 INV IN = 142.10 INV OUT = 142.00
DMH-106	RIM = 151.25 INV IN = 147.37 INV IN = 147.09 INV OUT = 146.91
DMH-107	RIM = 148.61 INV IN = 140.58 INV IN = 140.58 INV OUT = 140.48
DMH-108	RIM = 144.15 INV IN = 140.27 INV IN = 138.81 INV OUT = 138.67
DMH-109	RIM = 137.70 INV IN = 136.15 INV OUT = 136.05
DMH-110	RIM = 148.11 INV IN = 144.90 INV OUT = 143.90
DMH-111	RIM = 134.17 INV IN = 132.50 INV OUT = 132.60
DMH-112	RIM = 134.94 INV IN = 133.27 INV OUT = 133.17
HDS-101	RIM = 148.60 INV IN = 146.13 INV IN = 146.57 INV IN = 145.73 INV OUT = 144.34
HDS-102	RIM = 148.64 INV IN = 140.23 INV IN = 145.61 INV IN = 143.67 INV OUT = 140.13
HDS-201	RIM = 151.62 INV IN = 147.74 INV IN = 144.61 INV OUT = 144.51
INF-101	RIM = 145.60 INV IN = 144.26
INF-102	RIM = 142.72 INV OUT = 140.00
INF-103	RIM = 145.35 INV IN = 144.25
INF-104	RIM = 141.17 INV IN = 140.07

Structure Table	
Structure Name	Structure Details
OCS-101	RIM = 149.80 INV IN = 139.93 INV OUT = 141.19
RD-101	RIM = 148.08 INV OUT = 147.52
RD-102	RIM = 147.50 INV OUT = 146.93
RD-103	RIM = 147.07 INV OUT = 146.50
RD-104	RIM = 147.29 INV OUT = 146.72
RD-105	RIM = 145.99 INV OUT = 145.42
RD-106	RIM = 145.41 INV OUT = 144.84
RD-107	RIM = 145.37 INV OUT = 144.80
RD-108	RIM = 145.02 INV OUT = 144.45
RD-109	RIM = 144.30 INV OUT = 143.73
RD-110	RIM = 143.67 INV OUT = 143.10
RD-111	RIM = 143.30 INV OUT = 142.73
RD-112	RIM = 143.10 INV OUT = 142.53
RD-113	RIM = 142.63 INV OUT = 142.06
RD-114	RIM = 142.33 INV OUT = 141.76
RD-115	RIM = 145.31 INV OUT = 144.74
RD-116	RIM = 145.00 INV OUT = 144.43
RD-117	RIM = 144.72 INV OUT = 144.15
RD-118	RIM = 144.33 INV OUT = 143.76
RD-119	RIM = 144.02 INV OUT = 143.45
RD-120	RIM = 143.65 INV OUT = 143.08
RD-121	RIM = 143.62 INV OUT = 143.05
RD-122	RIM = 143.59 INV OUT = 143.02
RD-123	RIM = 143.12 INV OUT = 142.55
RD-124	RIM = 142.71 INV OUT = 142.14
RD-125	RIM = 142.34 INV OUT = 141.77
RD-126	RIM = 142.01 INV OUT = 141.45
RD-127	RIM = 141.89 INV OUT = 141.32

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Key Plan

PROJECT
NORTH

Notes

4	100% CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

Permit/Seal

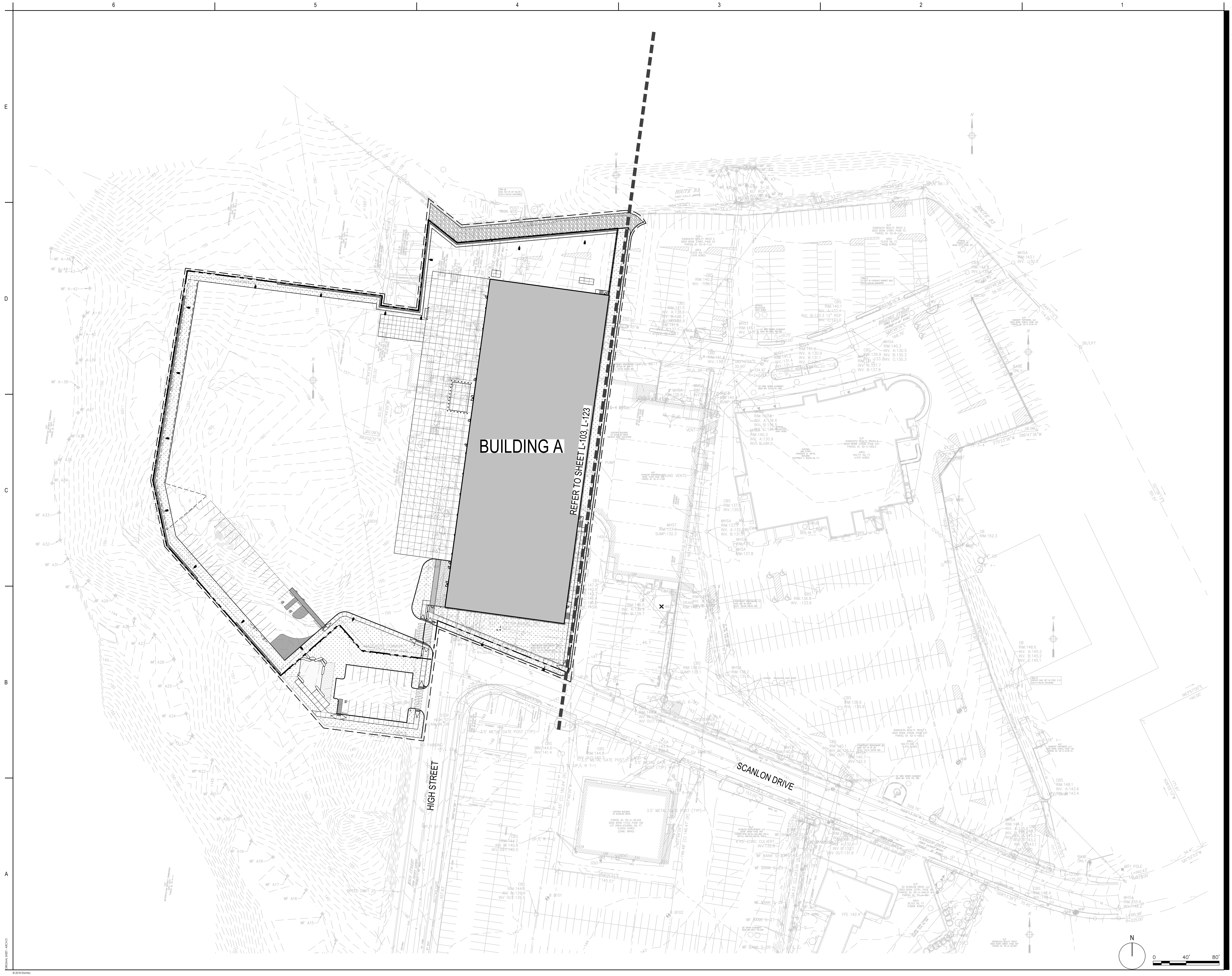
**PRELIMINARY
NOT FOR
CONSTRUCTION**

Scale AS NOTED

Project No. 78000

DRAINAGE PLAN 4

C5.4



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CORE
INVESTMENTS, INC

Key Plan

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

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Permit/Seal

**PRELIMINARY
NOT FOR
CONSTRUCTION**

Scale 1"=40'

Project No. 218421418

OVERALL PLAN

L-100

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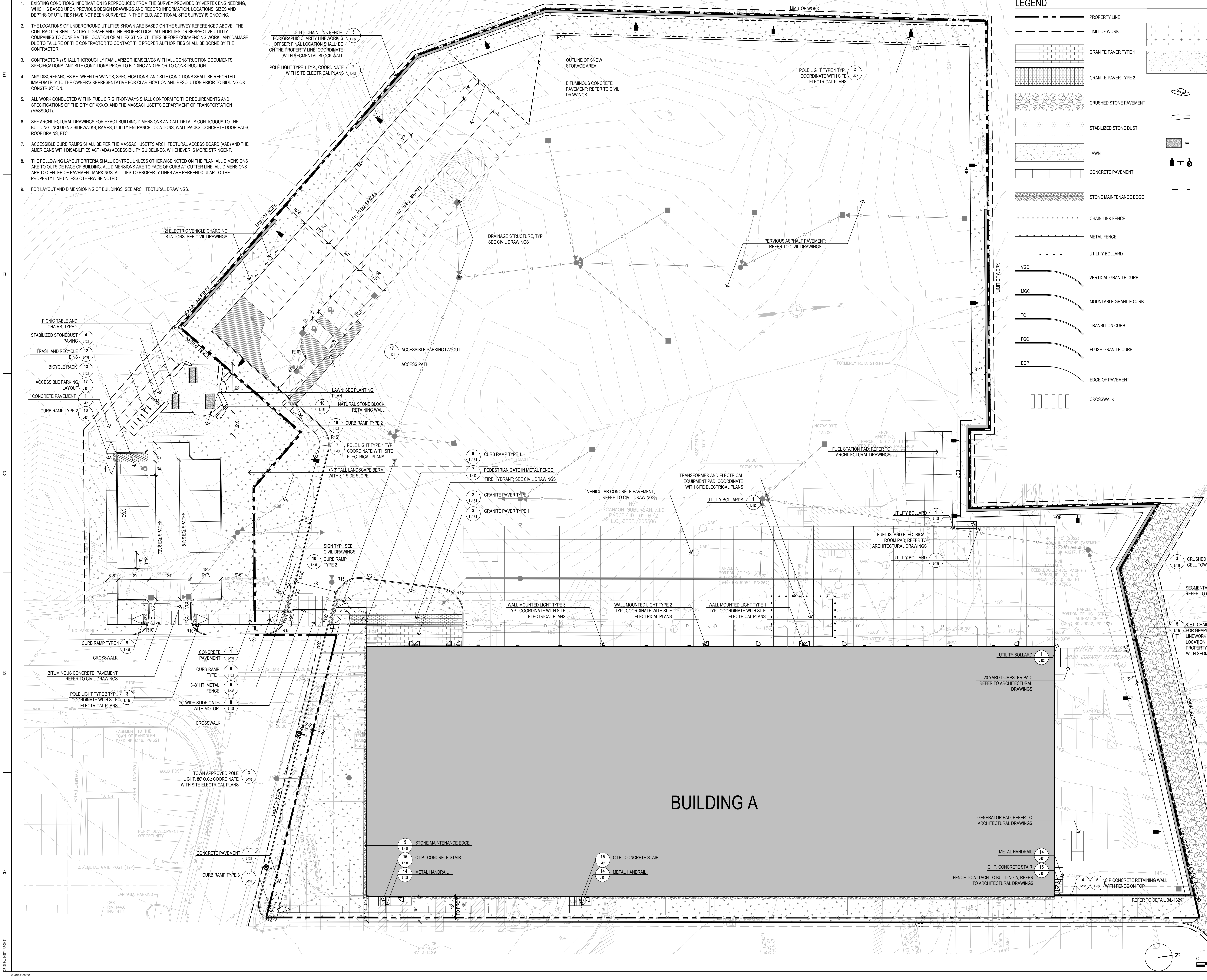
LAYOUT AND MATERIAL NOTES

1. EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PROVIDED BY VERTEX ENGINEERING, WHICH IS BASED UPON PREVIOUS DESIGN DRAWINGS AND RECORD INFORMATION. LOCATIONS, SIZES AND DEPTHS OF UTILITIES HAVE NOT BEEN SURVEYED IN THE FIELD, ADDITIONAL SITE SURVEY IS ONGOING.
2. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON THE SURVEY REFERENCED ABOVE. THE CONTRACTOR SHALL NOTIFY DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
3. CONTRACTOR(s) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
4. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
5. ALL WORK CONDUCTED WITHIN PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE CITY OF XXXXX AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT).
6. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND ALL DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, UTILITY ENTRANCE LOCATIONS, WALL PACKS, CONCRETE DOOR PADS, ROOF DRAINS, ETC.
7. ACCESSIBLE CURB RAMPS SHALL BE PER THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, WHICHEVER IS MORE STRINGENT.
8. THE FOLLOWING LAYOUT CRITERIA SHALL CONTROL UNLESS OTHERWISE NOTED ON THE PLAN: ALL DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING. ALL DIMENSIONS ARE TO FACE OF CURB AT GUTTER LINE. ALL DIMENSIONS ARE TO CENTER OF PAVEMENT MARKINGS. ALL TIES TO PROPERTY LINES ARE PERPENDICULAR TO THE PROPERTY LINE UNLESS OTHERWISE NOTED.
9. FOR LAYOUT AND DIMENSIONING OF BUILDINGS, SEE ARCHITECTURAL DRAWINGS.


8' HT. CHAIN LINK FENCE; FOR GRAPHIC CLARITY LINEWORK IS OFFSET; FINAL LOCATION SHALL BE ON THE PROPERTY LINE; COORDINATE WITH SEGMENTAL BLOCK WALL 5 L-132
POLE LIGHT TYPE 1 TYP., COORDINATE WITH SITE ELECTRICAL PLANS 2 L-132
LIMIT OF WORK
EOP
OUTLINE OF SNOW STORAGE AREA
BITUMINOUS CONCRETE PAVEMENT; REFER TO CIVIL DRAWINGS
13'
9' TYP.
171', 19 EQ. SPACES
144', 16 EQ. SPACES
15'-6"
18' TYP.
24'
(2) ELECTRIC VEHICLE CHARGING STATIONS; SEE CIVIL DRAWINGS
DRAINAGE STRUCTURE, TYP; SEE CIVIL DRAWINGS
POLE LIGHT TYPE 1 TYP., COORDINATE WITH SITE ELECTRICAL PLANS 2 L-132
PERVIOUS ASPHALT PAVEMENT; REFER TO CIVIL DRAWINGS
CHAIN LINK FENCE
METAL FENCE
PICNIC TABLE AND CHAIRS, TYPE 2
STABILIZED STONEDUST PAVING 4 L-131
TRASH AND RECYCLE BINS 12 L-131
BICYCLE RACK 13 L-131
ACCESSIBLE PARKING LAYOUT 17 L-131
CONCRETE PAVEMENT 1 L-131
CURB RAMP TYPE 2 10 L-131
17 L-131 ACCESSIBLE PARKING LAYOUT
ACCESS PATH
R10'
LAWN; SEE PLANTING PLAN
16 L-131 NATURAL STONE BLOCK RETAINING WALL
10 L-131 CURB RAMP TYPE 2
R15'
2 L-132 POLE LIGHT TYPE 1 TYP., COORDINATE WITH SITE ELECTRICAL PLANS
+/- 3' TALL LANDSCAPE BERM WITH 3:1 SIDE SLOPE
9 L-131 CURB RAMP TYPE 1
7 L-132 PEDESTRIAN GATE IN METAL FENCE
FIRE HYDRANT; SEE CIVIL DRAWINGS
2 L-131 GRANITE PAVER TYPE 2
2 L-131 GRANITE PAVER TYPE 1
28'
13'-5"
6'
5'
8'
VGC
72', 8 EQ. SPACES
81', 9 EQ. SPACES
9' TYP.
6'-6"
18'
24'
18' TYP.
19'-6"
SIGN TYP., SEE CIVIL DRAWINGS
10 L-131 CURB RAMP TYPE 2
R15'
FGC
R10'
CURB RAMP TYPE 1 9 L-131
CROSSWALK
BITUMINOUS CONCRETE PAVEMENT REFER TO CIVIL DRAWINGS
POLE LIGHT TYPE 2 TYP., COORDINATE WITH SITE ELECTRICAL PLANS 3 L-132
CONCRETE PAVEMENT 1 L-131
CURB RAMP TYPE 1 9 L-131
8'-8" HT. METAL FENCE 6 L-132
20' WIDE SLIDE GATE WITH MOTOR 8 L-132
CROSSWALK
TOWN APPROVED POLE LIGHT, 80' O.C.; COORDINATE WITH SITE ELECTRICAL PLANS 3 L-132
CONCRETE PAVEMENT 1 L-131
CURB RAMP TYPE 3 11 L-131
VEHICULAR CONCRETE PAVEMENT, REFER TO CIVIL DRAWINGS
TRANSFORMER AND ELECTRICAL EQUIPMENT PAD; COORDINATE WITH SITE ELECTRICAL PLANS
UTILITY BOLLARDS 1 L-132
FUEL STATION PAD; REFER TO ARCHITECTURAL DRAWINGS
UTILITY BOLLARD 1 L-132
FUEL ISLAND ELECTRICAL ROOM PAD; REFER TO ARCHITECTURAL DRAWINGS
UTILITY BOLLARD 1 L-132
WALL MOUNTED LIGHT TYPE 3 TYP., COORDINATE WITH SITE ELECTRICAL PLANS
WALL MOUNTED LIGHT TYPE 2 TYP., COORDINATE WITH SITE ELECTRICAL PLANS
WALL MOUNTED LIGHT TYPE 1 TYP., COORDINATE WITH SITE ELECTRICAL PLANS
3 L-131 CRUSHED STONE PAVING IN CELL TOWER EASEMENT
SEGMENTAL BLOCK WALL; REFER TO CIVIL GRADING PLAN
5 L-132 8' HT. CHAIN LINK FENCE FOR GRAPHIC CLARITY LINEWORK IS OFFSET; FINAL LOCATION SHALL BE ON THE PROPERTY LINE; COORDINATE WITH SEGMENTAL BLOCK WALL
UTILITY BOLLARD 1 L-132
20 YARD DUMPSTER PAD; REFER TO ARCHITECTURAL DRAWINGS
3'-1"
GENERATOR PAD; REFER TO ARCHITECTURAL DRAWINGS
METAL HANDRAIL 14 L-131
C.I.P. CONCRETE STAIR 15 L-131
FENCE TO ATTACH TO BUILDING A; REFER TO ARCHITECTURAL DRAWINGS
4 L-132 5 L-132 CIP CONCRETE RETAINING WALL WITH FENCE ON TOP
REFER TO DETAIL 3/L-132
REFER TO CIVIL DRAWING
BUILDING A
5 L-131 STONE MAINTENANCE EDGE
15 L-131 C.I.P. CONCRETE STAIR
14 L-131 METAL HANDRAIL
15 L-131 C.I.P. CONCRETE STAIR
14 L-131 METAL HANDRAIL
15'
12' TO PROP LINE
N
0 20' 40'

LEGEND

━ ━ ━	PROPERTY LINE
— — —	LIMIT OF WORK
▦	GRANITE PAVER TYPE 1
▦	GRANITE PAVER TYPE 2
▨	CRUSHED STONE PAVEMENT
▨	STABILIZED STONE DUST
▨	LAWN
▥	CONCRETE PAVEMENT
▨	STONE MAINTENANCE EDGE
─•─•─	CHAIN LINK FENCE
─•─•─	METAL FENCE
• • • •	UTILITY BOLLARD
VGC	VERTICAL GRANITE CURB
MGC	MOUNTABLE GRANITE CURB
TC	TRANSITION CURB
FGC	FLUSH GRANITE CURB
EOP	EDGE OF PAVEMENT
▯▯▯▯▯▯	CROSSWALK
▨	LANDSCAPE
▨	LAWN
	BOULDER
	GRANITE BENCH
	SITE FURNITURE
	LIGHT POLES, COORDINATE WITH SITE ELECTRICAL DRAWINGS
	WALL MOUNTED LIGHTS, COORDINATE WITH SITE ELECTRICAL DRAWINGS

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CORE INVESTMENTS, INC

Key Plan

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

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Scale 1"=20'

Project No. 218421418

LAYOUT AND MATERIALS 3

L-103

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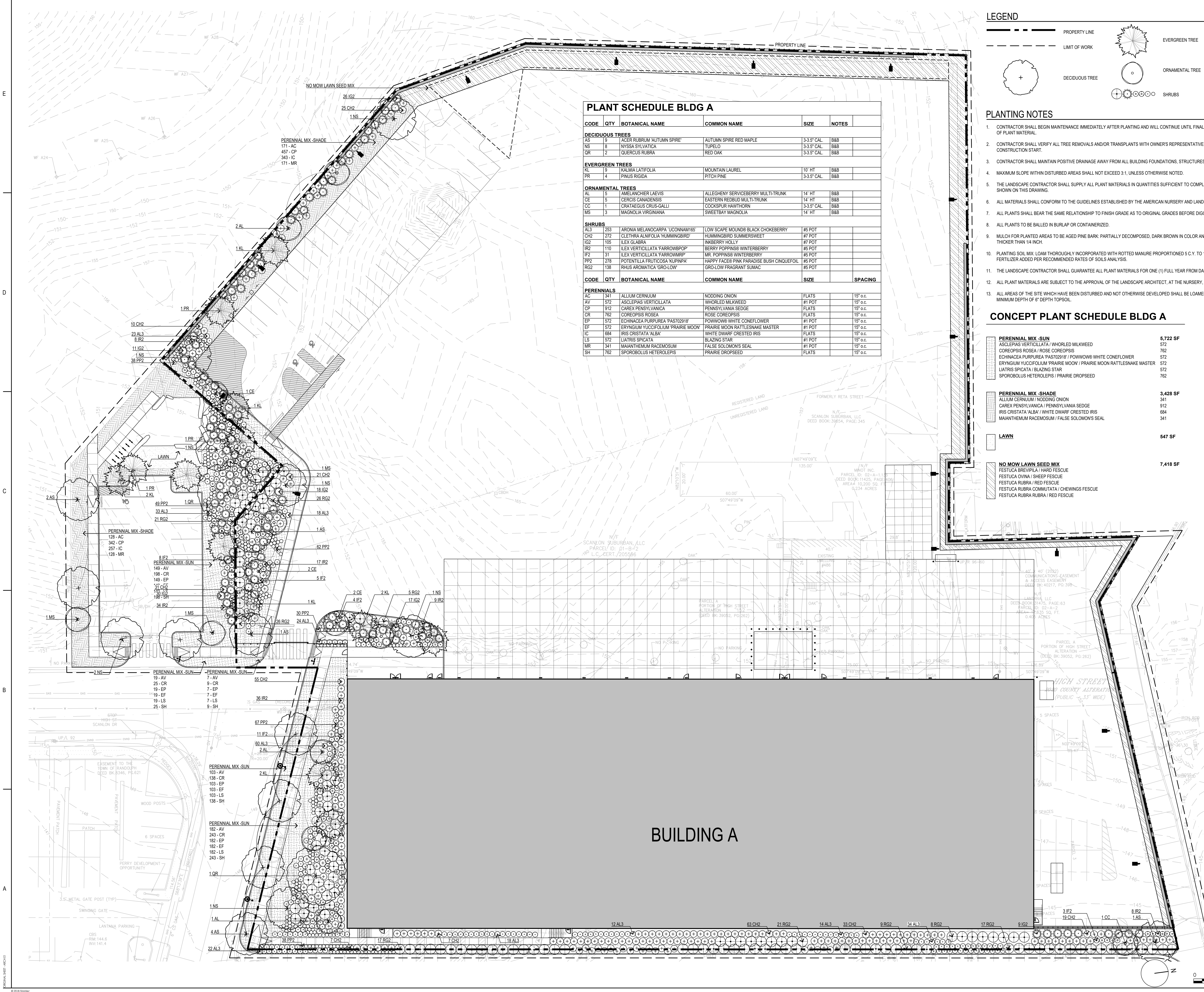

PLANT SCHEDULE BLDG A

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	
DECIDUOUS TREES						
AS	9	ACER RUBRUM 'AUTUMN SPIRE'	AUTUMN SPIRE RED MAPLE	3-3.5" CAL.	B&B	
NS	8	NYSSA SYLVATICA	TUPELO	3-3.5" CAL.	B&B	
QR	2	QUERCUS RUBRA	RED OAK	3-3.5" CAL.	B&B	
EVERGREEN TREES						
KL	9	KALMIA LATIFOLIA	MOUNTAIN LAUREL	10` HT	B&B	
PR	4	PINUS RIGIDA	PITCH PINE	3-3.5" CAL.	B&B	
ORNAMENTAL TREES						
AL	5	AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY MULTI-TRUNK	14` HT	B&B	
CE	5	CERCIS CANADENSIS	EASTERN REDBUD MULTI-TRUNK	14` HT	B&B	
CC	1	CRATAEGUS CRUS-GALLI	COCKSPUR HAWTHORN	3-3.5" CAL.	B&B	
MS	3	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	14` HT	B&B	
SHRUBS						
AL3	253	ARONIA MELANOCARPA `UCONNAM165`	LOW SCAPE MOUND® BLACK CHOKEBERRY	#5 POT		
CH2	272	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	#7 POT		
IG2	105	ILEX GLABRA	INKBERRY HOLLY	#7 POT		
IR2	110	ILEX VERTICILLATA 'FARROWBPOP'	BERRY POPPINS® WINTERBERRY	#5 POT		
IF2	31	ILEX VERTICILLATA 'FARROWMRP'	MR. POPPINS® WINTERBERRY	#5 POT		
PP2	278	POTENTILLA FRUTICOSA 'KUPINPA'	HAPPY FACE® PINK PARADISE BUSH CINQUEFOIL	#5 POT		
RG2	138	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	#5 POT		
CODE	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**		**SPACING**
PERENNIALS						
AC	341	ALLIUM CERNUUM	NODDING ONION	FLATS		15" o.c.
AV	572	ASCLEPIAS VERTICILLATA	WHORLED MILKWEED	#1 POT		15" o.c.
CP	912	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	FLATS		15" o.c.
CR	762	COREOPSIS ROSEA	ROSE COREOPSIS	FLATS		15" o.c.
EP	572	ECHINACEA PURPUREA 'PAS702918'	POWWOW® WHITE CONEFLOWER	#1 POT		15" o.c.
EF	572	ERYNGIUM YUCCIFOLIUM 'PRAIRIE MOON'	PRAIRIE MOON RATTLESNAKE MASTER	#1 POT		15" o.c.
IC	684	IRIS CRISTATA 'ALBA'	WHITE DWARF CRESTED IRIS	FLATS		15" o.c.
LS	572	LIATRIS SPICATA	BLAZING STAR	#1 POT		15" o.c.
MR	341	MAIANTHEMUM RACEMOSUM	FALSE SOLOMON'S SEAL	#1 POT		15" o.c.
SH	762	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	FLATS		15" o.c.

LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- EVERGREEN TREE
- DECIDUOUS TREE
- ORNAMENTAL TREE
- SHRUBS

PLANTING NOTES

1. CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL WRITTEN ACCEPTANCE OF PLANT MATERIAL.
2. CONTRACTOR SHALL VERIFY ALL TREE REMOVALS AND/OR TRANSPLANTS WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION START.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
4. MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
5. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THIS DRAWING.
6. ALL MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
7. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
8. ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
9. MULCH FOR PLANTED AREAS TO BE AGED PINE BARK: PARTIALLY DECOMPOSED, DARK BROWN IN COLOR AND FREE OF WOOD CHIPS THICKER THAN 1/4 INCH.
10. PLANTING SOIL MIX: LOAM THOROUGHLY INCORPORATED WITH ROTTED MANURE PROPORTIONED 5 C.Y. TO 1 C.Y. OR EQUIVALENT. FERTILIZER ADDED PER RECOMMENDED RATES OF SOILS ANALYSIS.
11. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.
12. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT THE NURSERY, AND AT THE SITE.
13. ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDED WITH A MINIMUM DEPTH OF 6" DEPTH TOPSOIL.

CONCEPT PLANT SCHEDULE BLDG A

▨	**PERENNIAL MIX -SUN**	**5,722 SF**
	ASCLEPIAS VERTICILLATA / WHORLED MILKWEED	572
	COREOPSIS ROSEA / ROSE COREOPSIS	762
	ECHINACEA PURPUREA 'PAS702918' / POWWOW® WHITE CONEFLOWER	572
	ERYNGIUM YUCCIFOLIUM 'PRAIRIE MOON' / PRAIRIE MOON RATTLESNAKE MASTER	572
	LIATRIS SPICATA / BLAZING STAR	572
	SPOROBOLUS HETEROLEPIS / PRAIRIE DROPSEED	762
▨	**PERENNIAL MIX -SHADE**	**3,428 SF**
	ALLIUM CERNUUM / NODDING ONION	341
	CAREX PENSYLVANICA / PENNSYLVANIA SEDGE	912
	IRIS CRISTATA 'ALBA' / WHITE DWARF CRESTED IRIS	684
	MAIANTHEMUM RACEMOSUM / FALSE SOLOMON'S SEAL	341
▨	**LAWN**	**547 SF**
▨	**NO MOW LAWN SEED MIX**	**7,418 SF**
	FESTUCA BREVIPILA / HARD FESCUE	
	FESTUCA OVINA / SHEEP FESCUE	
	FESTUCA RUBRA / RED FESCUE	
	FESTUCA RUBRA COMMUTATA / CHEWINGS FESCUE	
	FESTUCA RUBRA RUBRA / RED FESCUE	

Stantec

Consultant

CORE
INVESTMENTS, INC

Key Plan

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

Permit/Seal

**PRELIMINARY
NOT FOR
CONSTRUCTION**

Scale 1"=20'

Project No. 218421418

PLANTING PLAN 3

L-123

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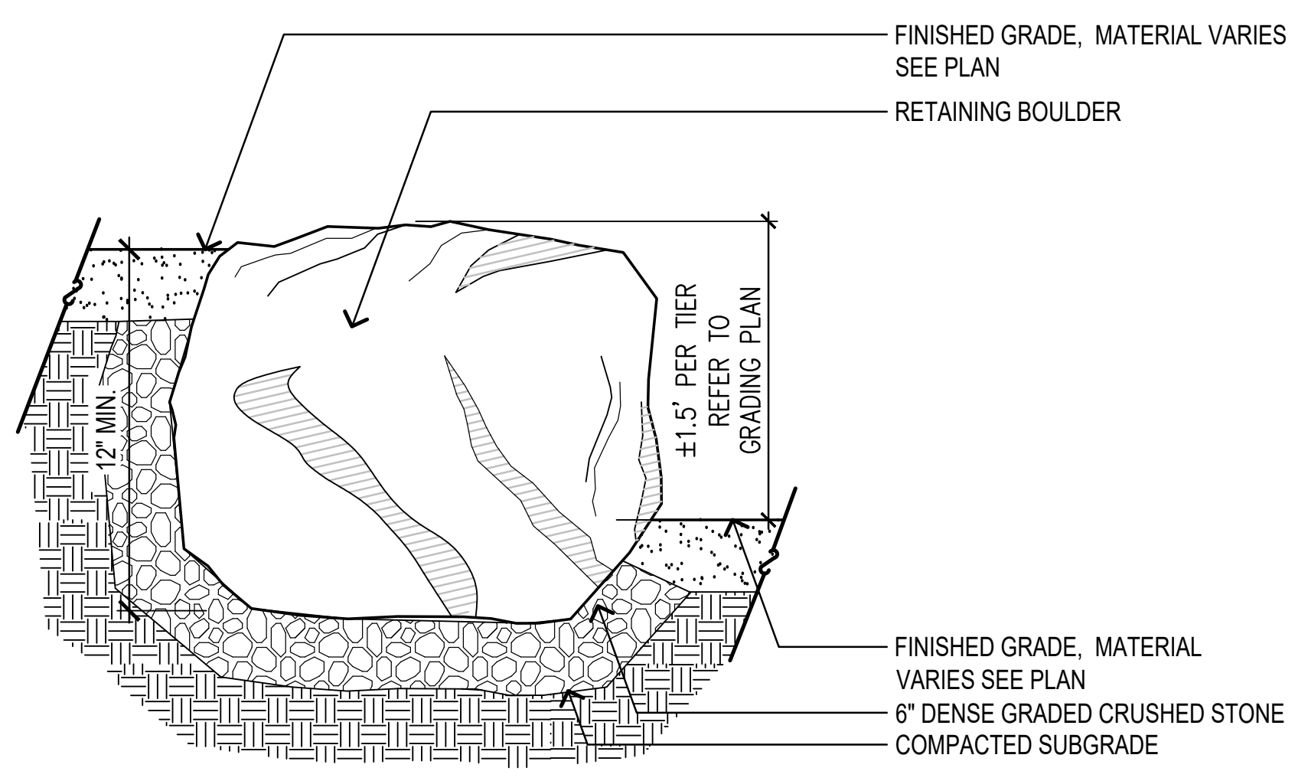
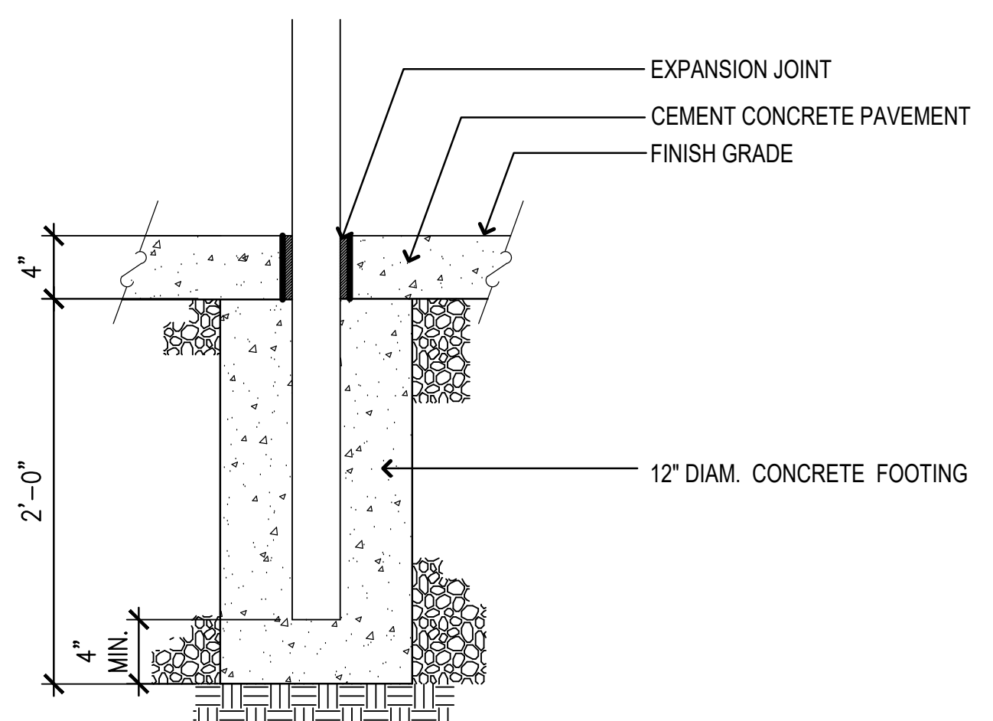

FINISHED GRADE, MATERIAL VARIES SEE PLAN
RETAINING BOULDER
12" MIN.
±1.5' PER TIER REFER TO GRADING PLAN
FINISHED GRADE, MATERIAL VARIES SEE PLAN
6" DENSE GRADED CRUSHED STONE
COMPACTED SUBGRADE

NOTES:

1. PLACEMENT OF BOULDERS TO BE REVIEWED IN FIELD BY LANDSCAPE ARCHITECT
2. BOULDERS SHALL BE STABLE, FREE OF MAJOR CRACKS, OF A NATIVE VARIETY AND SOURCED LOCALLY. SLIGHT COLOR VARIATION IS ACCEPTABLE, TEXTURE SHALL BE CONSISTENT.
3. BOULDERS SHALL BE CHOSEN BY LANDSCAPE ARCHITECT FROM SURPLUS OF AVAILABLE BOULDERS AT SUPPLIER.
4. INSTALLER TO MOVE AND PLACE BOULDERS USING EQUIPMENT THAT WILL NOT HARM OR SCRATCH THE BOULDER SURFACE.
5. BOULDERS SHALL APPROXIMATE SIZES SHOWN ON PLAN.

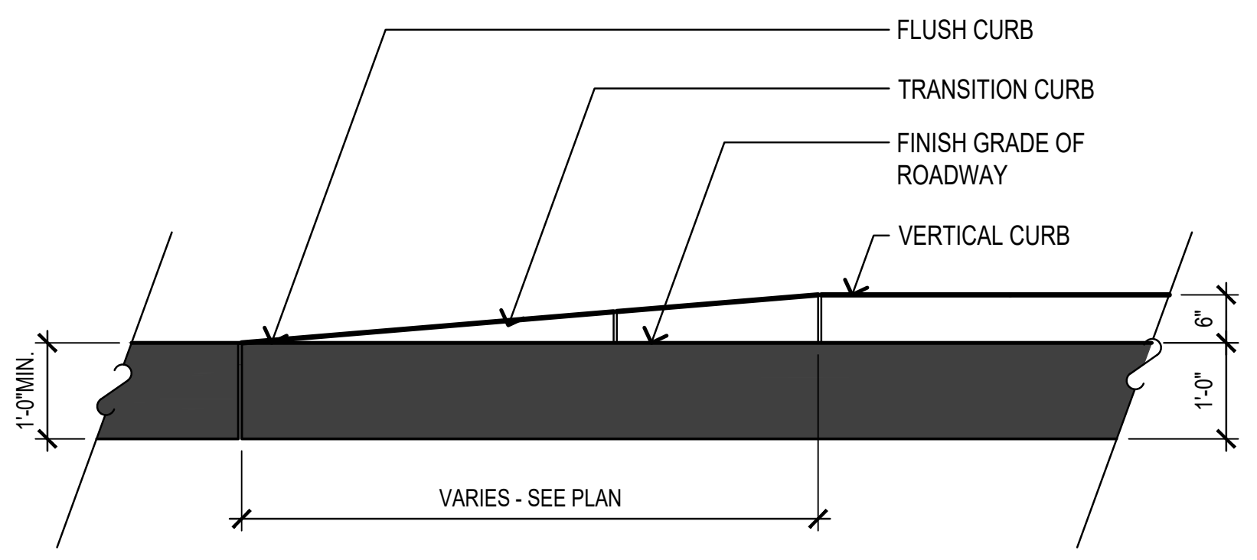
16 NATURAL STONE BLOCK RETAINING WALL

3/4" = 1'-0" BC2184-21418-06



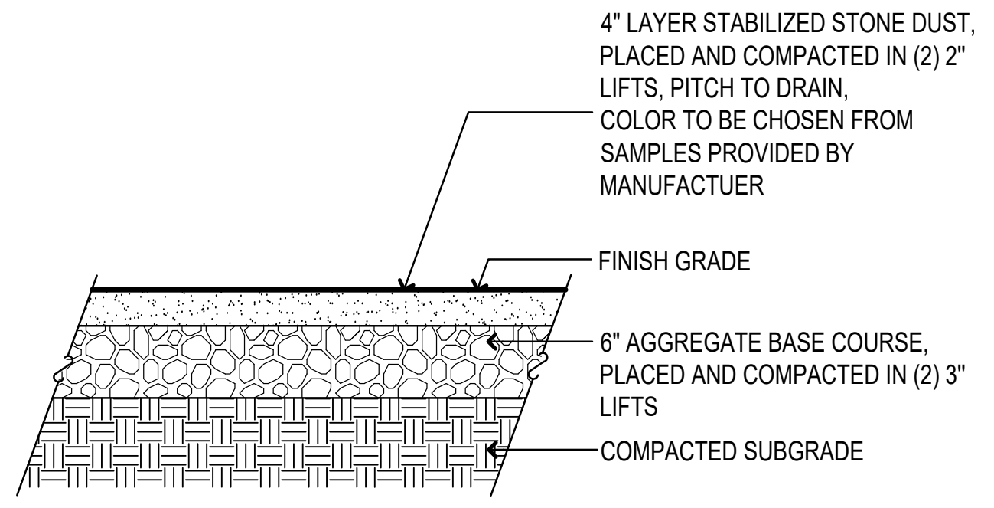
12 SITE FURNISHING BELOW GRADE FOOTING

1" = 1'-0" BC2184-21418-37



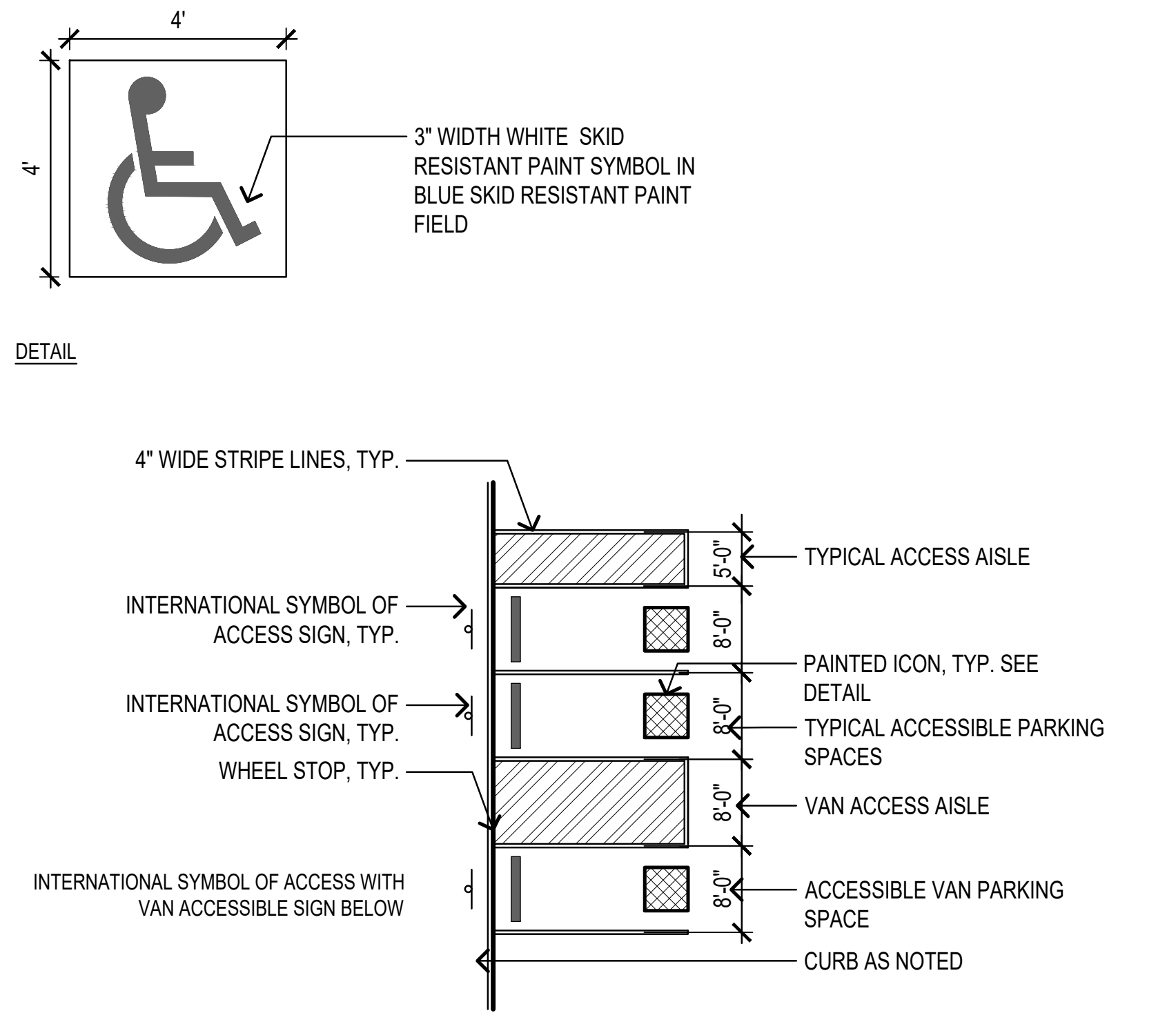
8 TRANSITION FROM VERTICAL TO FLUSH CURB

1/2" = 1'-0" BC2184-21418-50


4" LAYER STABILIZED STONE DUST, PLACED AND COMPACTED IN (2) 2" LIFTS, PITCH TO DRAIN, COLOR TO BE CHOSEN FROM SAMPLES PROVIDED BY MANUFACTUER
FINISH GRADE
6" AGGREGATE BASE COURSE, PLACED AND COMPACTED IN (2) 3" LIFTS
COMPACTED SUBGRADE

4 STABILIZED STONEDUST PAVING

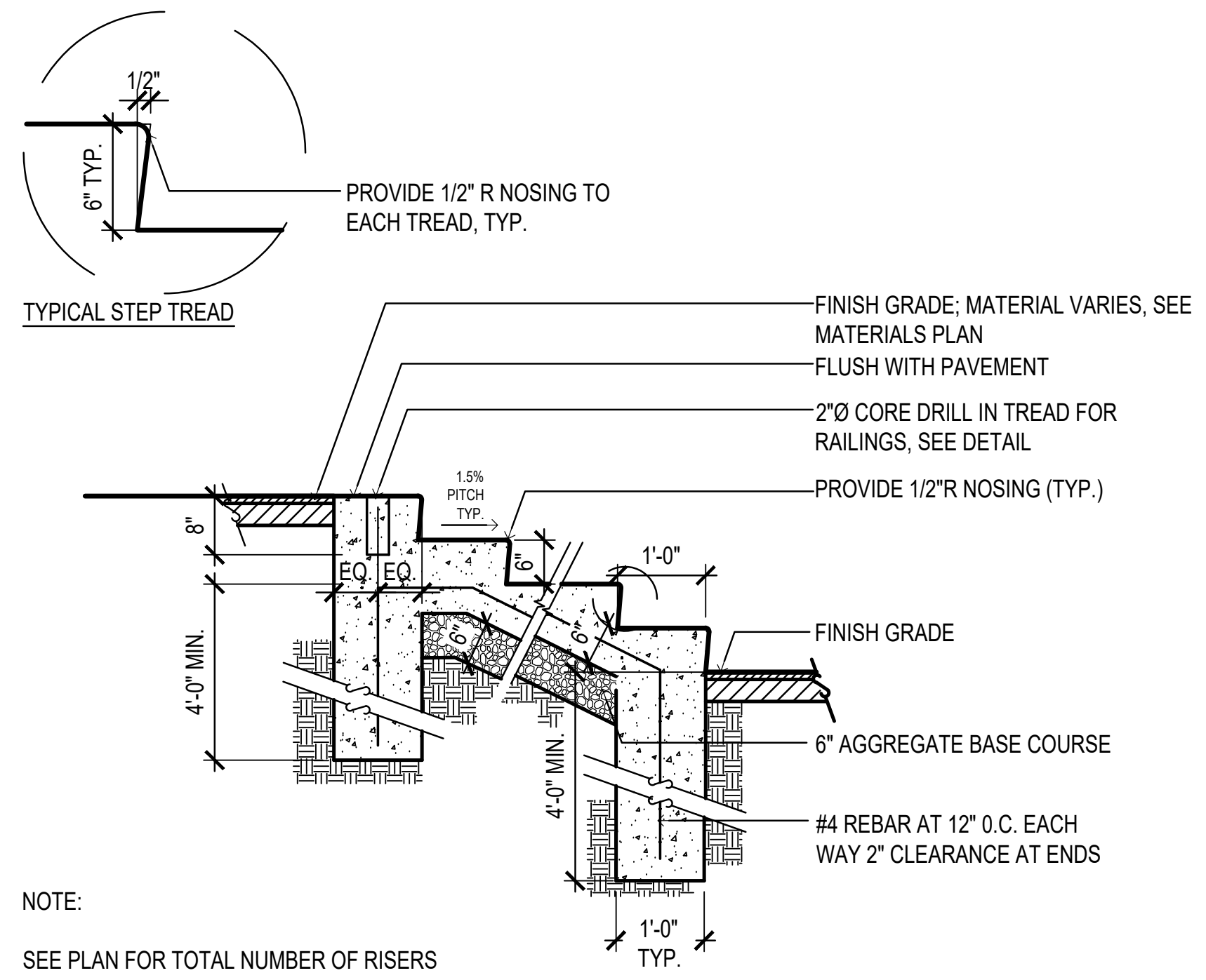
3/4" = 1'-0" BC2184-21418-03


4'
4'
3" WIDTH WHITE SKID RESISTANT PAINT SYMBOL IN BLUE SKID RESISTANT PAINT FIELD
DETAIL
4" WIDE STRIPE LINES, TYP.
INTERNATIONAL SYMBOL OF ACCESS SIGN, TYP.
INTERNATIONAL SYMBOL OF ACCESS SIGN, TYP.
WHEEL STOP, TYP.
INTERNATIONAL SYMBOL OF ACCESS WITH VAN ACCESSIBLE SIGN BELOW
5'-0"
8'-0"
8'-0"
8'-0"
8'-0"
TYPICAL ACCESS AISLE
PAINTED ICON, TYP. SEE DETAIL
TYPICAL ACCESSIBLE PARKING SPACES
VAN ACCESS AISLE
ACCESSIBLE VAN PARKING SPACE
CURB AS NOTED

PLAN

17 ACCESSIBLE PARKING LAYOUT

1/16" = 1'-0" BC2184-21418-41

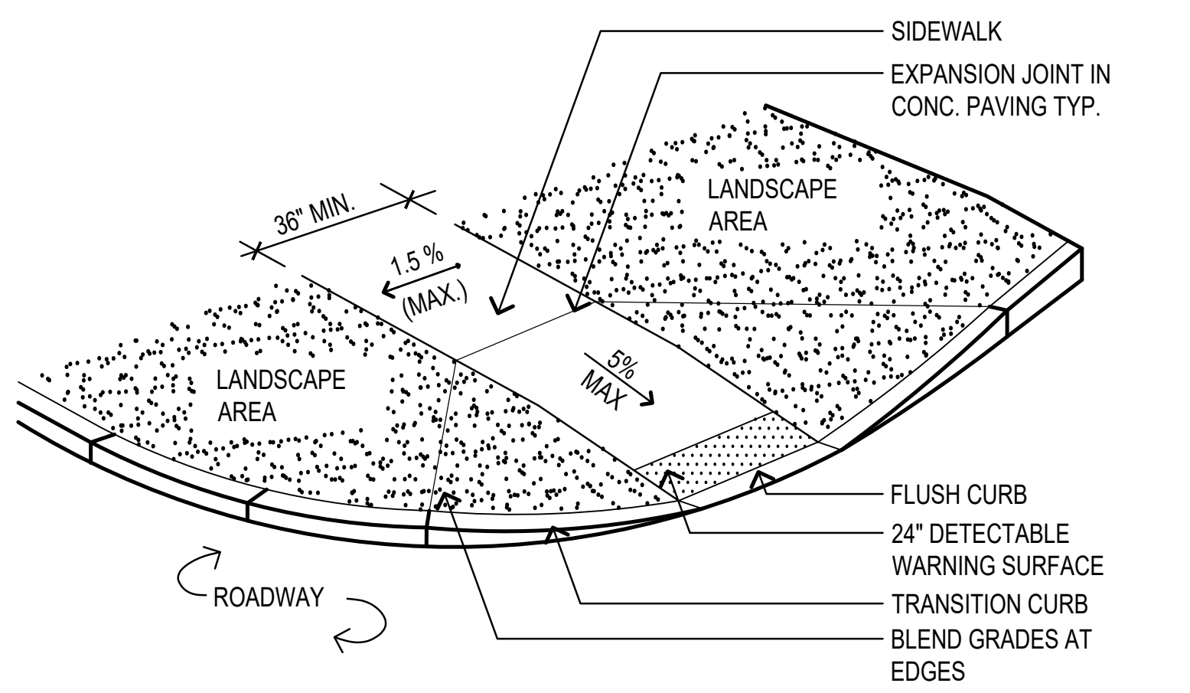

1/2"
6" TYP.
PROVIDE 1/2" R NOSING TO EACH TREAD, TYP.
TYPICAL STEP TREAD
FINISH GRADE; MATERIAL VARIES, SEE MATERIALS PLAN
FLUSH WITH PAVEMENT
2"Ø CORE DRILL IN TREAD FOR RAILINGS, SEE DETAIL
1.5% PITCH TYP.
PROVIDE 1/2"R NOSING (TYP.)
8"
EQ. EQ.
4'-0" MIN.
6"
6"
6"
1'-0"
FINISH GRADE
4'-0" MIN.
6" AGGREGATE BASE COURSE
#4 REBAR AT 12" 0.C. EACH WAY 2" CLEARANCE AT ENDS
1'-0" TYP.

NOTE:

SEE PLAN FOR TOTAL NUMBER OF RISERS REQUIRED.

15 C.I.P CONCRETE STAIRS

1/2" = 1'-0" BC2184-21418-15

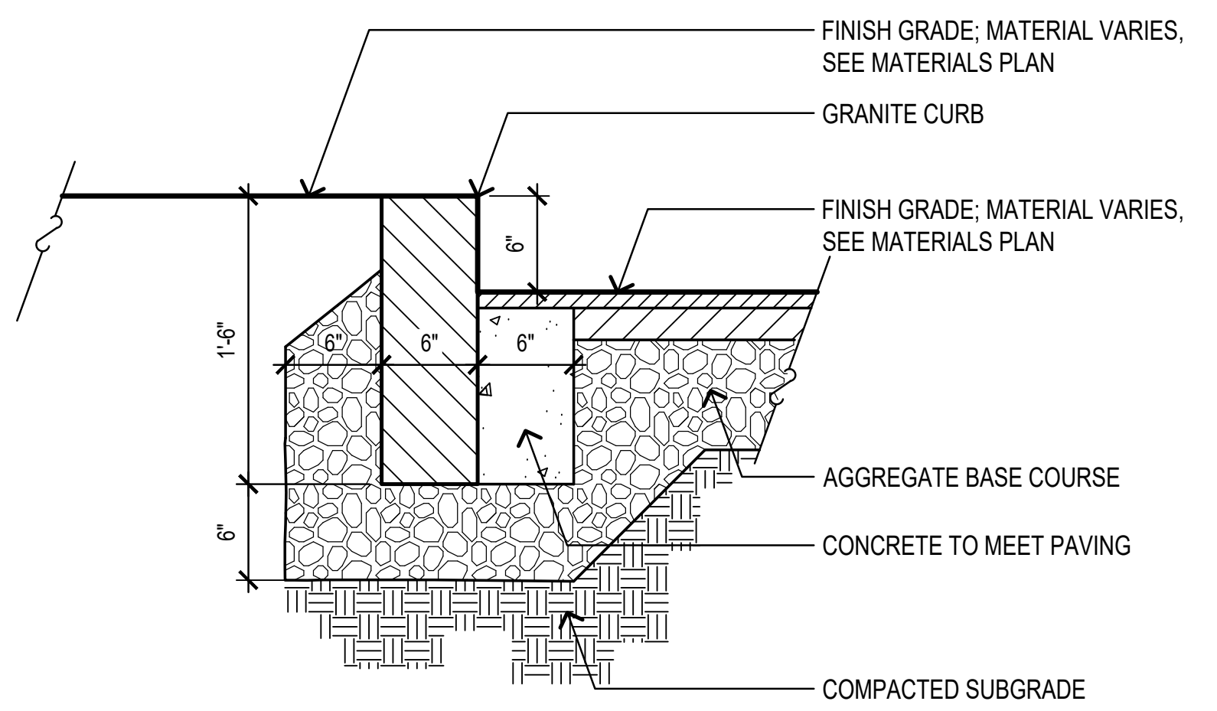


NOTES:

1. RAMP CROSS SECTION TO BE THE SAME AS ADJACENT SIDEWALK; I.E. DEPTH OF SURFACE AND FOUNDATION.
2. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH A.D.A. AND MAAB REQUIREMENTS.
3. PROVIDE EXPANSION JOINT AT TOPS OF RAMP AND AT BACK OF WALK AT INTERFACE OF CURB.
4. PROVIDE HEAVY BROOM FINISH ON RAMP AND SIDE SLOPES PERPENDICULAR TO FLOW OF TRAFFIC.
5. MINIMUM WALK DIMENSIONS ARE FROM BACK OF CURB.
6. TRANSITION CURB LENGTH AS REQUIRED TO MEET CODE.
7. FIXED OBJECTS (i.e. UTILITY POLES, HYDRANTS ETC.) MUST NOT ENCROACH ON ANY PART OF A WHEELCHAIR RAMP, INCLUDING TRANSITION SLOPES.
8. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE OF THE CROSSWALK.

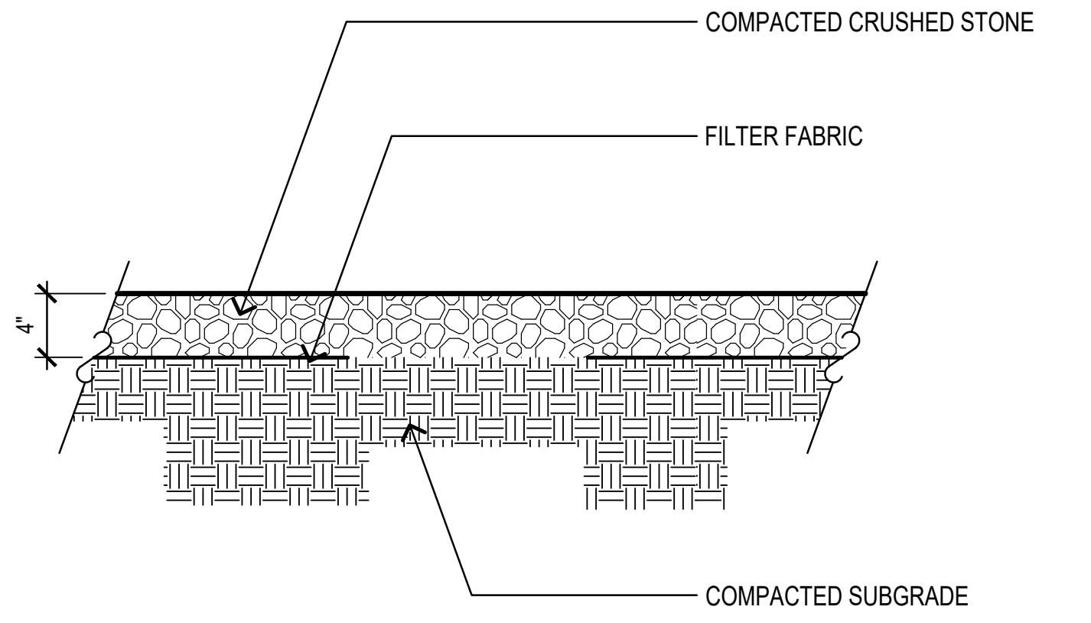
11 CURB RAMP TYPE 3

3/16" = 1'-0" BC2184-21418-39


FINISH GRADE; MATERIAL VARIES, SEE MATERIALS PLAN
GRANITE CURB
FINISH GRADE; MATERIAL VARIES, SEE MATERIALS PLAN
6"
1'-6"
6"
6"
6"
6"
AGGREGATE BASE COURSE
CONCRETE TO MEET PAVING
COMPACTED SUBGRADE

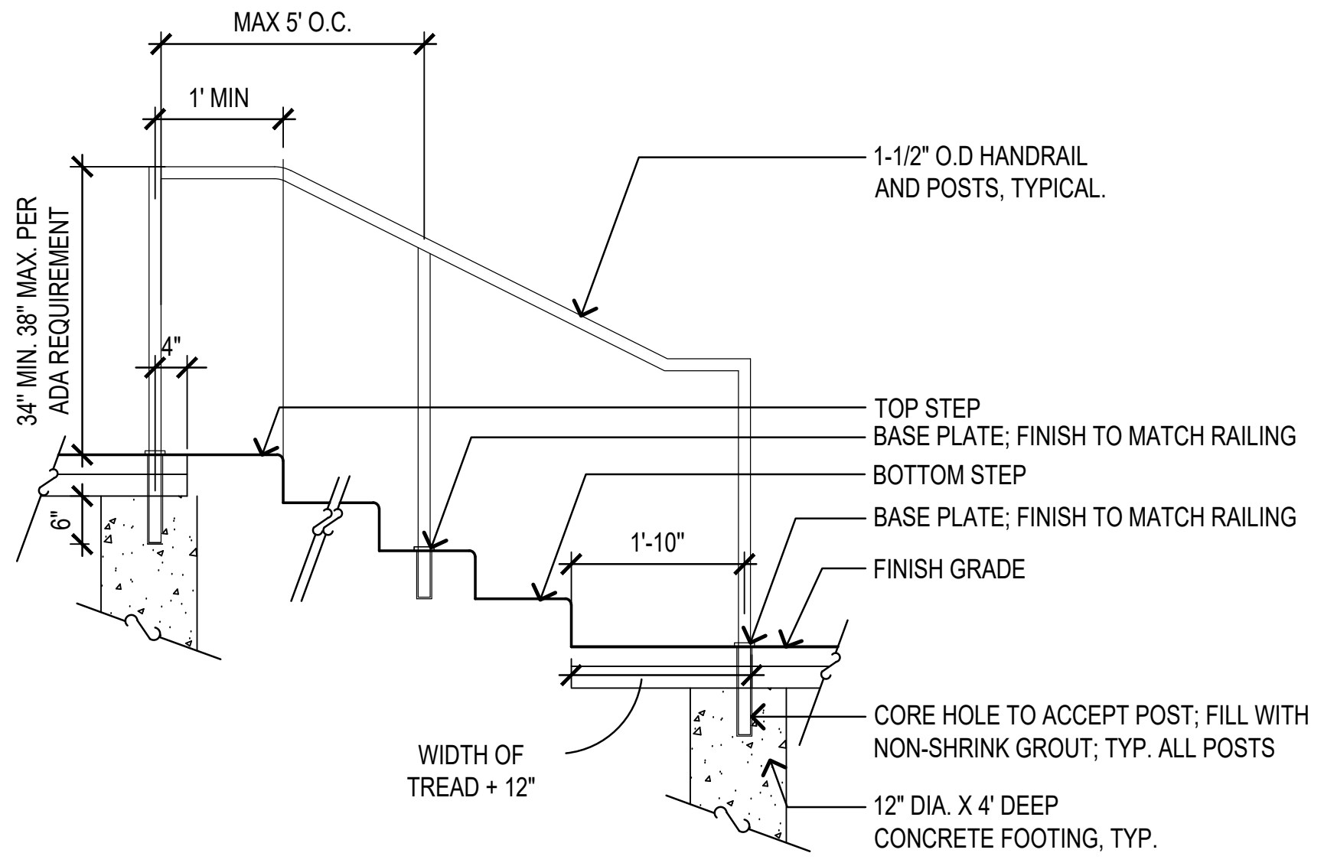
7 6" VERTICAL GRANITE CURB

1" = 1'-0" BC2184-21418-01



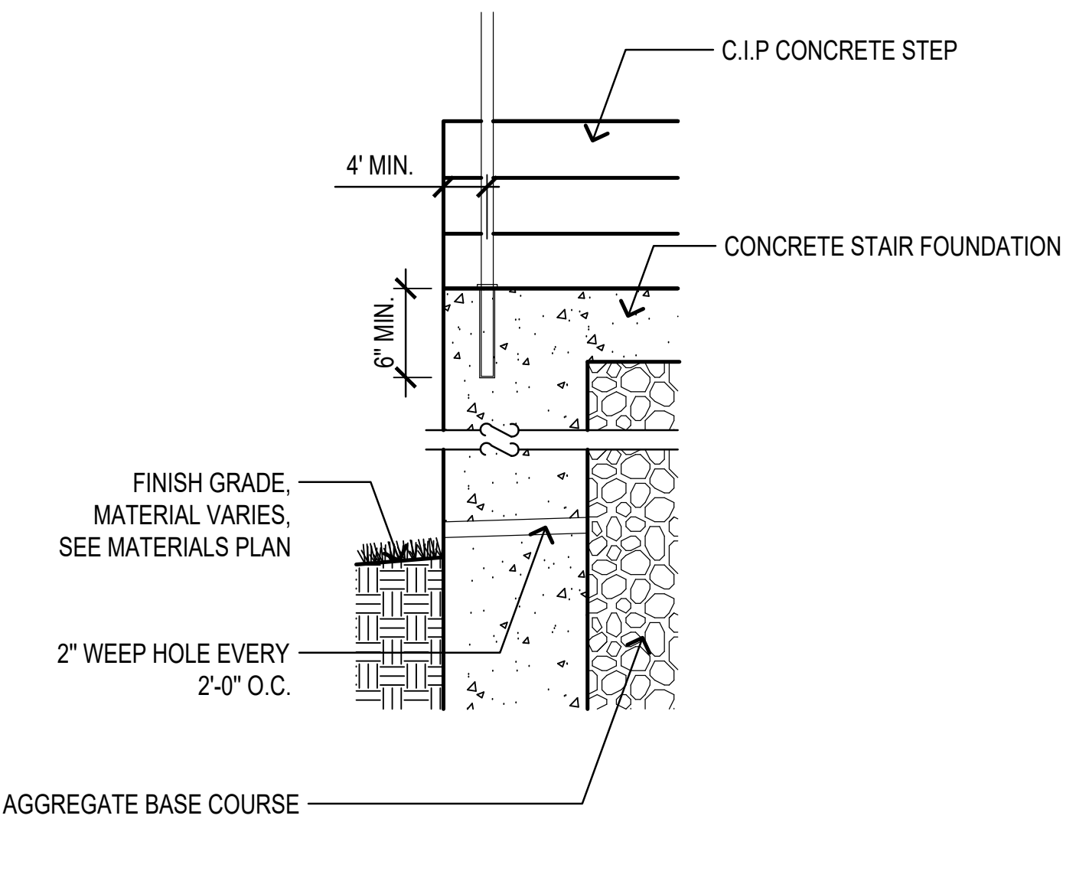
3 CRUSHED STONE PAVING

1" = 1'-0" BC2184-21418-47


MAX 5' O.C.
1' MIN
34" MIN. 38" MAX. PER ADA REQUIREMENT
4"
6"
1-1/2" O.D HANDRAIL AND POSTS, TYPICAL.
TOP STEP
BASE PLATE; FINISH TO MATCH RAILING
BOTTOM STEP
BASE PLATE; FINISH TO MATCH RAILING
1'-10"
FINISH GRADE
WIDTH OF TREAD + 12"
CORE HOLE TO ACCEPT POST; FILL WITH NON-SHRINK GROUT; TYP. ALL POSTS
12" DIA. X 4' DEEP CONCRETE FOOTING, TYP.

NOTES:

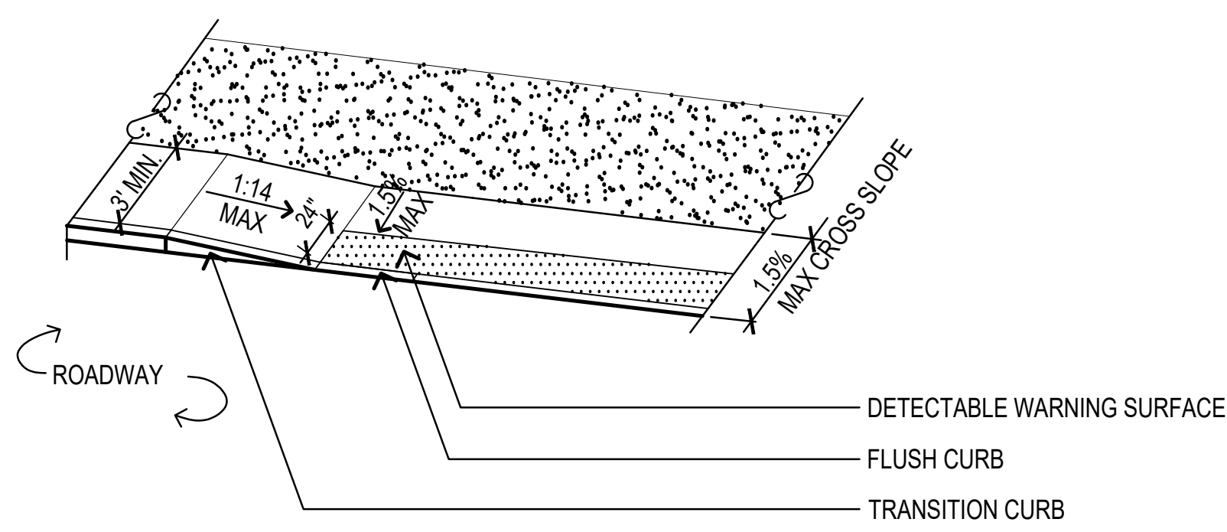
1. PROVIDE HANDRAILS FOR BOTH SIDES OF ALL SITE STAIRS
2. PROVIDE ESCUTCHEON PLATE AT ALL LOCATIONS WHERE POSTS PENETRATE GRADE; FINISH TO MATCH HANDRAILS
3. WHERE NOTED ON PLANS, HANDRAILS SHALL BE INTEGRALLY LIT; COORDINATE WITH SITE LIGHTING PLANS AND SPECIFICATION
4. ALL METALWORK TO BE BRONZE, SEE SPECIFICATIONS


C.I.P CONCRETE STEP
4' MIN.
CONCRETE STAIR FOUNDATION
6" MIN.
FINISH GRADE, MATERIAL VARIES, SEE MATERIALS PLAN
2" WEEP HOLE EVERY 2'-0" O.C.
AGGREGATE BASE COURSE

CROSS SECTION AT TREAD STAIR WITH SIDE WALLS

14 METAL HANDRAIL

1/2" = 1'-0" BC2184-21418-17

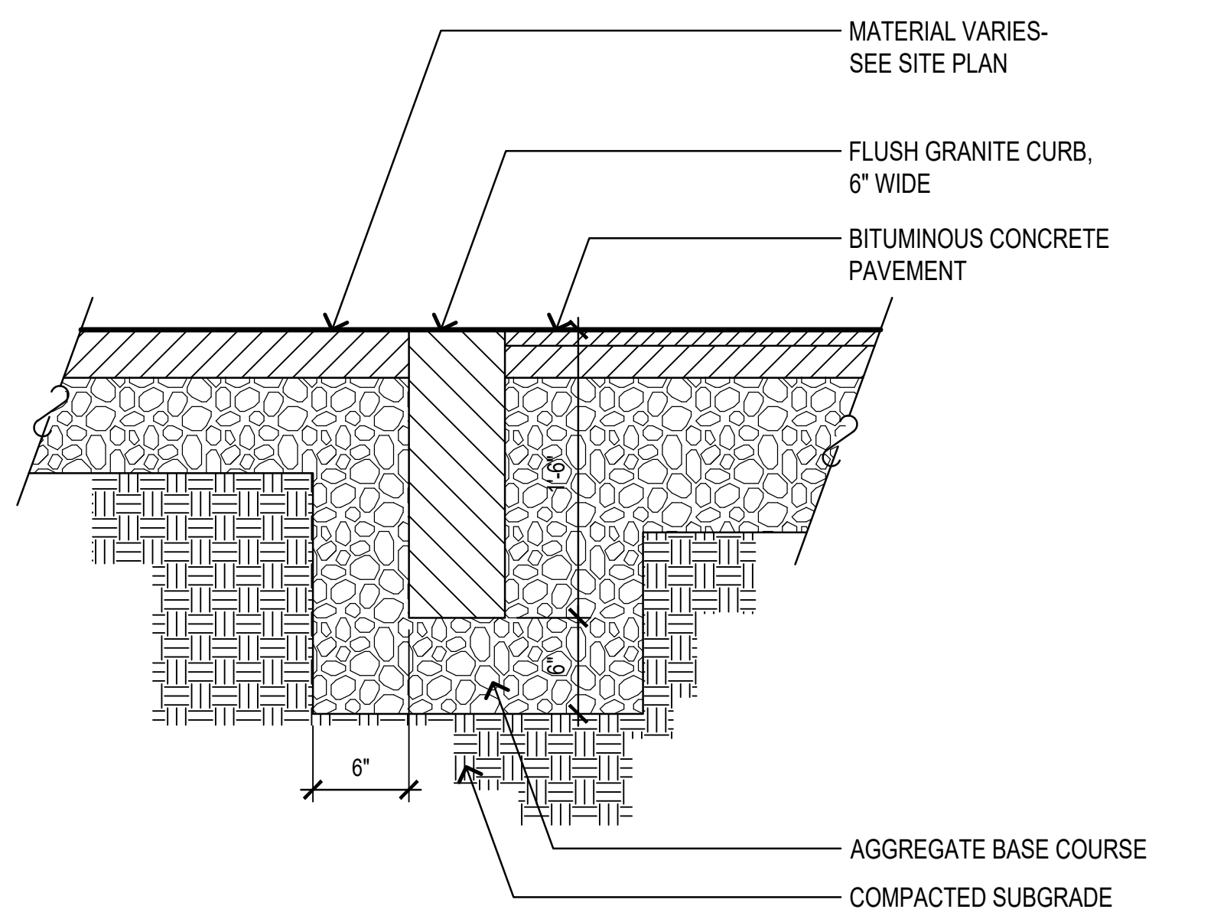


NOTES:

1. RAMP CROSS SECTION TO BE THE SAME AS ADJACENT SIDEWALK; I.E. DEPTH OF SURFACE AND FOUNDATION.
2. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH A.D.A. AND MAAB REQUIREMENTS.
3. PROVIDE EXPANSION JOINT AT TOPS OF RAMP AND AT BACK OF WALK AT INTERFACE OF CURB.
4. PROVIDE HEAVY BROOM FINISH ON RAMP AND SIDE SLOPES PERPENDICULAR TO FLOW OF TRAFFIC.
5. MINIMUM WALK DIMENSIONS ARE FROM BACK OF CURB.
6. TRANSITION CURB LENGTH AS REQUIRED TO MEET CODE.
7. FIXED OBJECTS (i.e. UTILITY POLES, HYDRANTS ETC.) MUST NOT ENCROACH ON ANY PART OF A WHEELCHAIR RAMP, INCLUDING TRANSITION SLOPES.
8. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE OF THE CROSSWALK.

10 CURB RAMP TYPE 2

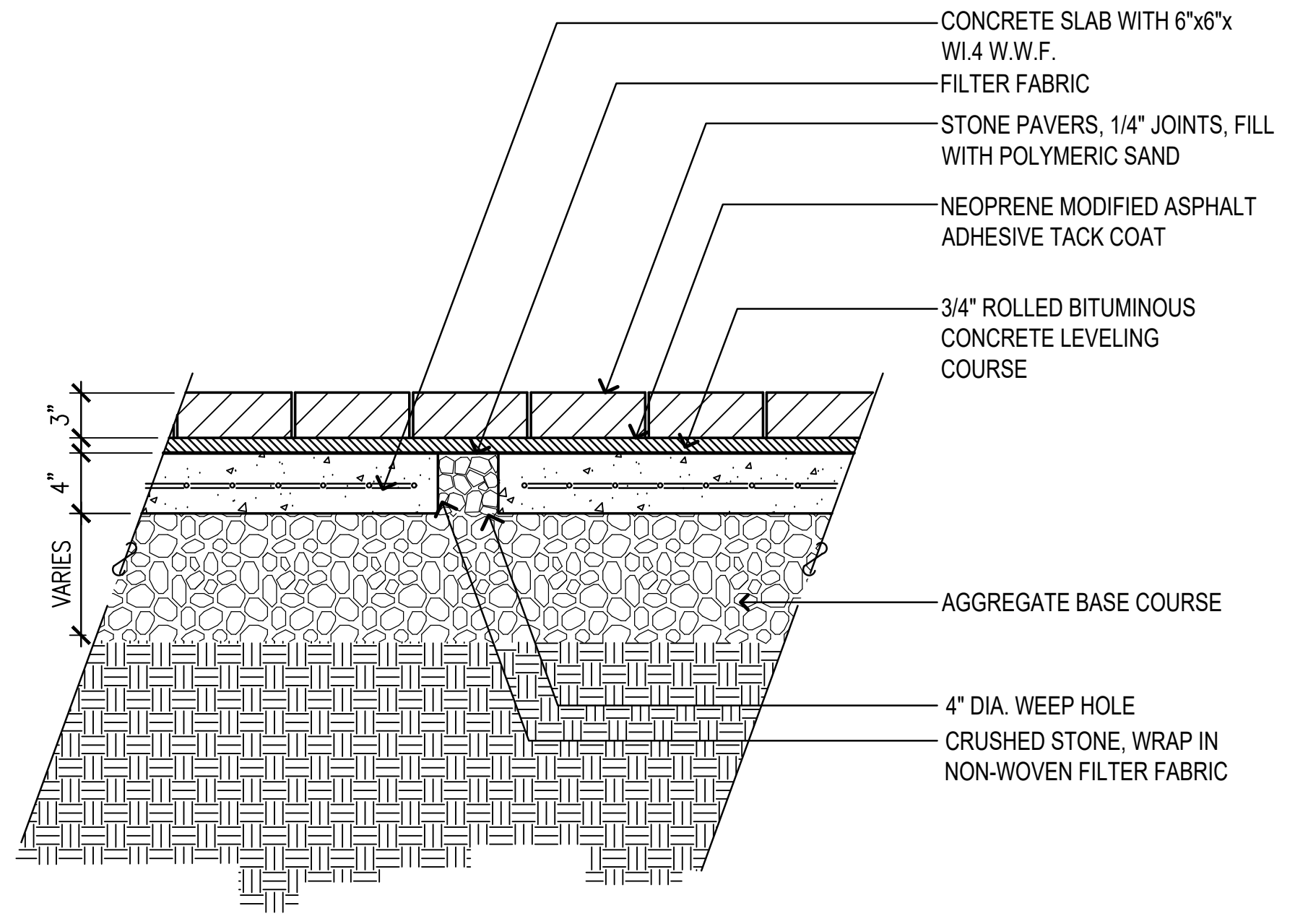
1/8" = 1'-0" BC2184-21418-59


MATERIAL VARIES- SEE SITE PLAN
FLUSH GRANITE CURB, 6" WIDE
BITUMINOUS CONCRETE PAVEMENT
1'-6"
6"
6"
AGGREGATE BASE COURSE
COMPACTED SUBGRADE

6 FLUSH GRANITE CURB

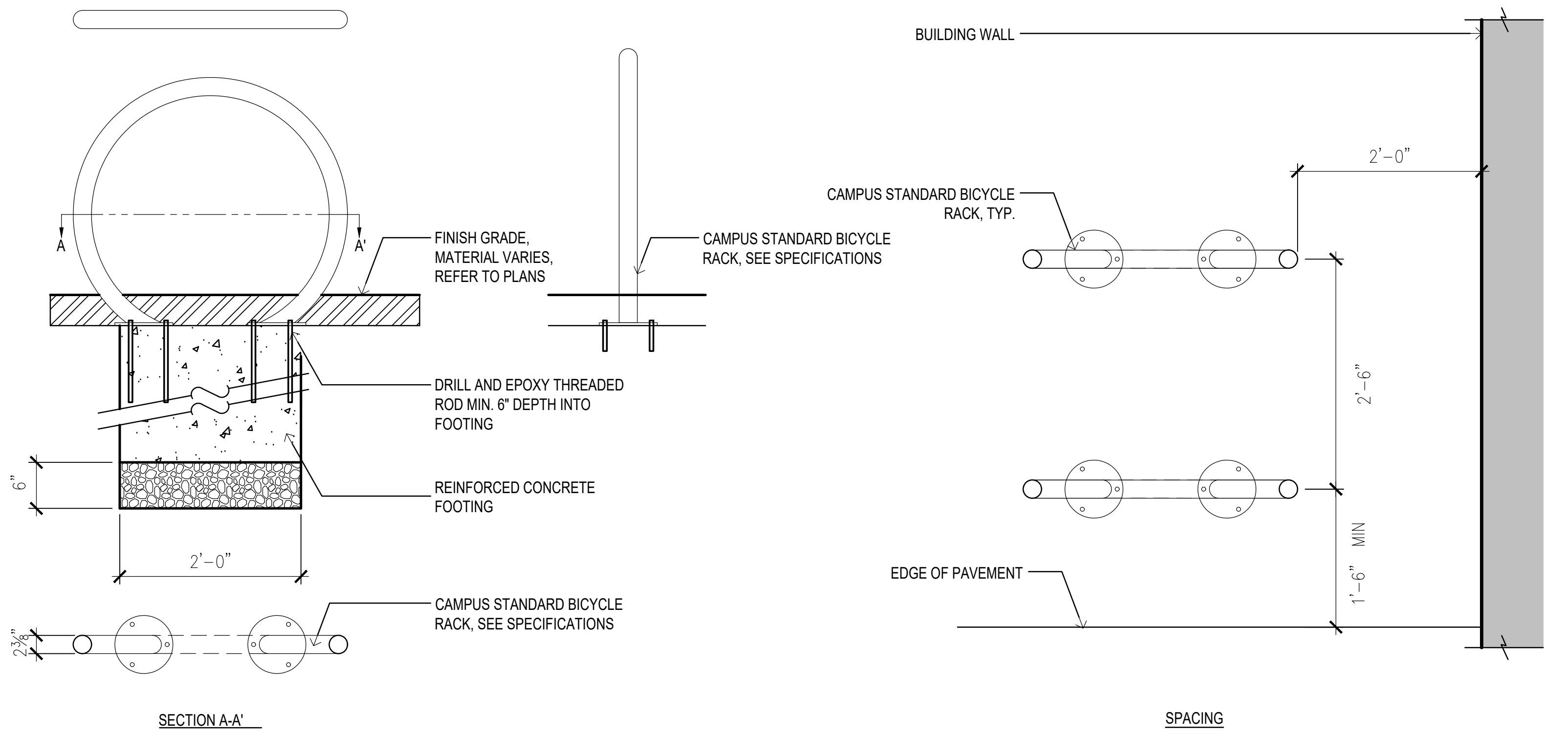
1" = 1'-0" BC2184-21418-28

NOTE:
PROVIDE 4" DIA. WEEP HOLES ON RECESSED CONCRETE SLAB BELOW PAVERS AT 5'-0" O.C.


CONCRETE SLAB WITH 6"x6"x WI.4 W.W.F.
FILTER FABRIC
STONE PAVERS, 1/4" JOINTS, FILL WITH POLYMERIC SAND
NEOPRENE MODIFIED ASPHALT ADHESIVE TACK COAT
3/4" ROLLED BITUMINOUS CONCRETE LEVELING COURSE
3"
4"
VARIES
AGGREGATE BASE COURSE
4" DIA. WEEP HOLE
CRUSHED STONE, WRAP IN NON-WOVEN FILTER FABRIC

2 GRANITE UNITE PAVERS

1" = 1'-0" BC2184-21418-14

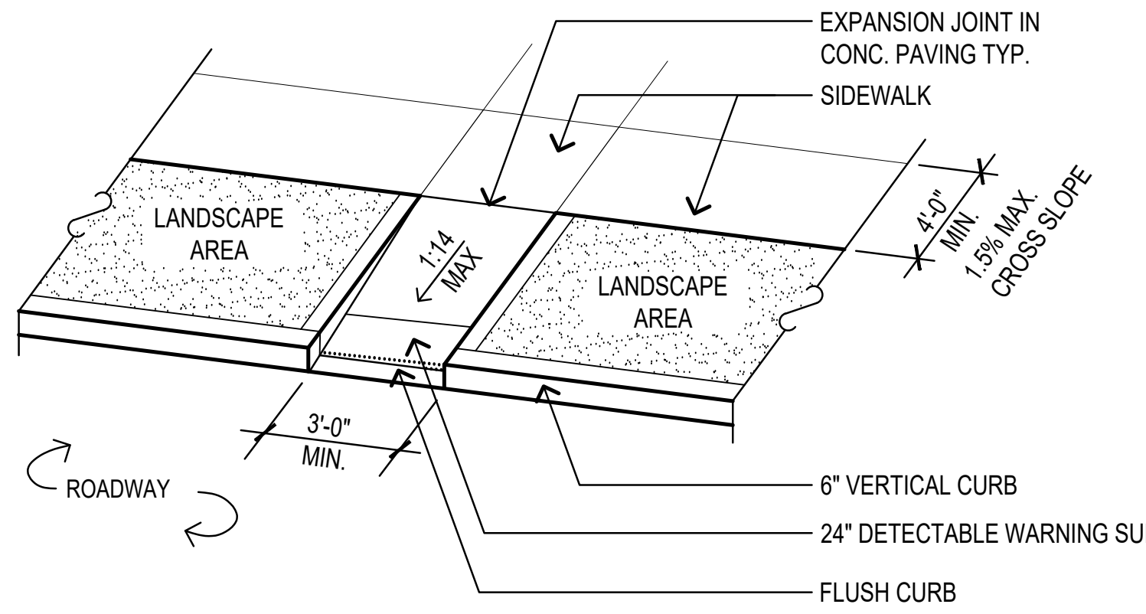

A
A'
FINISH GRADE, MATERIAL VARIES, REFER TO PLANS
CAMPUS STANDARD BICYCLE RACK, SEE SPECIFICATIONS
DRILL AND EPOXY THREADED ROD MIN. 6" DEPTH INTO FOOTING
REINFORCED CONCRETE FOOTING
6"
2'-0"
2⅜"
CAMPUS STANDARD BICYCLE RACK, SEE SPECIFICATIONS
BUILDING WALL
CAMPUS STANDARD BICYCLE RACK, TYP.
2'-0"
2'-6"
1'-6" MIN
EDGE OF PAVEMENT

SECTION A-A'

SPACING

13 BICYCLE RACK

3/4" = 1'-0" BC2184-21418-25

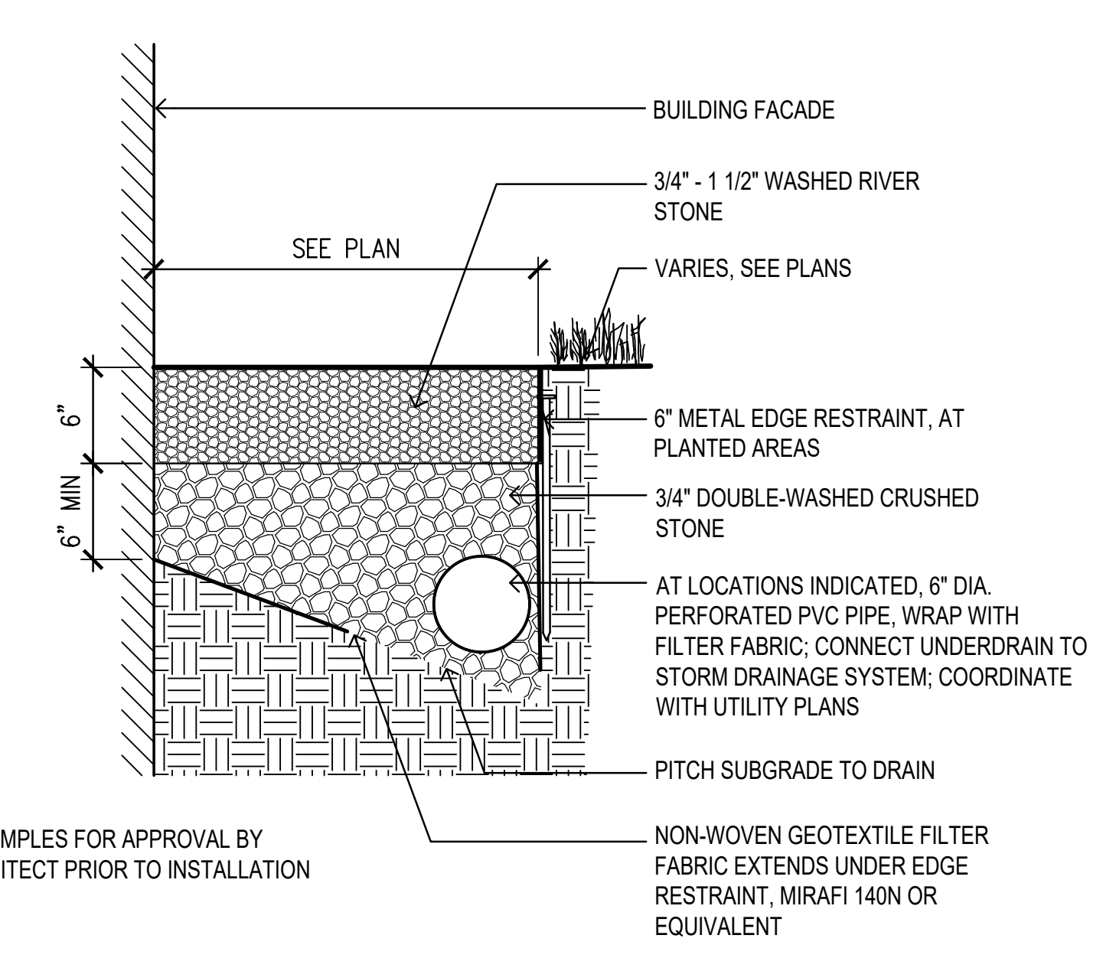


NOTES:

1. RAMP CROSS SECTION TO BE THE SAME AS ADJACENT SIDEWALK; I.E. DEPTH OF SURFACE AND FOUNDATION.
2. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH A.D.A. AND MAAB REQUIREMENTS.
3. PROVIDE EXPANSION JOINT AT TOPS OF RAMP AND AT BACK OF WALK AT INTERFACE OF CURB.
4. PROVIDE HEAVY BROOM FINISH ON RAMP AND SIDE SLOPES PERPENDICULAR TO FLOW OF TRAFFIC.
5. MINIMUM WALK DIMENSIONS ARE FROM BACK OF CURB.
6. TRANSITION CURB LENGTH AS REQUIRED TO MEET CODE.
7. FIXED OBJECTS (i.e. UTILITY POLES, HYDRANTS ETC.) MUST NOT ENCROACH ON ANY PART OF A WHEELCHAIR RAMP, INCLUDING TRANSITION SLOPES.
8. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE OF THE CROSSWALK.

9 CURB RAMP TYPE 1

1/4" = 1'-0" BC2184-21418-21


BUILDING FACADE
3/4" - 1 1/2" WASHED RIVER STONE
SEE PLAN
VARIES, SEE PLANS
6"
6" MIN
6" METAL EDGE RESTRAINT, AT PLANTED AREAS
3/4" DOUBLE-WASHED CRUSHED STONE
AT LOCATIONS INDICATED, 6" DIA. PERFORATED PVC PIPE, WRAP WITH FILTER FABRIC; CONNECT UNDERDRAIN TO STORM DRAINAGE SYSTEM; COORDINATE WITH UTILITY PLANS
PITCH SUBGRADE TO DRAIN
NON-WOVEN GEOTEXTILE FILTER FABRIC EXTENDS UNDER EDGE RESTRAINT, MIRAFI 140N OR EQUIVALENT

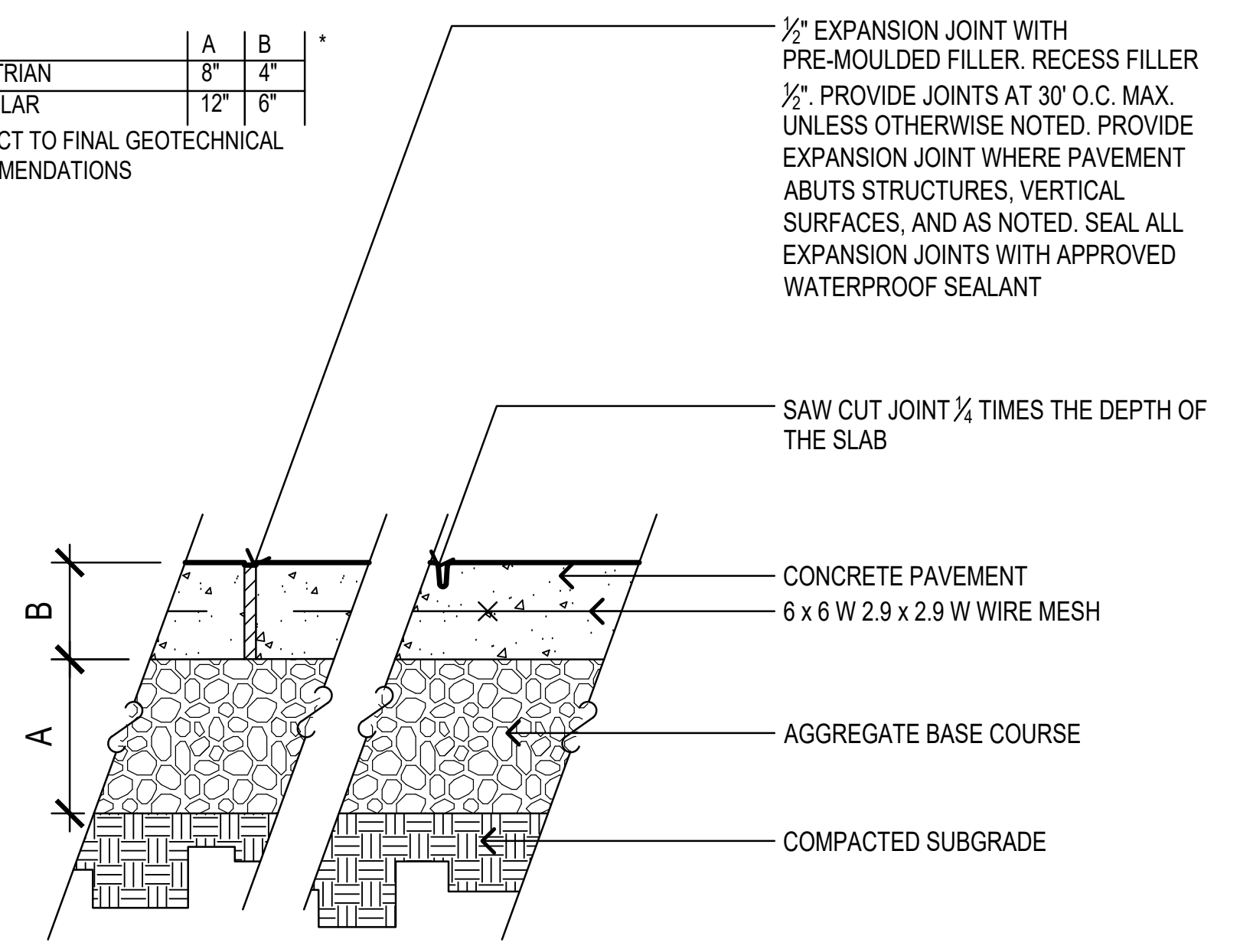
NOTE:
SUBMIT STONE SAMPLES FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

5 STONE MAINTENANCE EDGE

1" = 1'-0" BC2184-21418-48

	A	B	*
PEDESTRIAN	8"	4"	
VEHICULAR	12"	6"	

*SUBJECT TO FINAL GEOTECHNICAL RECOMMENDATIONS


½" EXPANSION JOINT WITH PRE-MOULDED FILLER. RECESS FILLER ½". PROVIDE JOINTS AT 30' O.C. MAX. UNLESS OTHERWISE NOTED. PROVIDE EXPANSION JOINT WHERE PAVEMENT ABUTS STRUCTURES, VERTICAL SURFACES, AND AS NOTED. SEAL ALL EXPANSION JOINTS WITH APPROVED WATERPROOF SEALANT
SAW CUT JOINT ¼ TIMES THE DEPTH OF THE SLAB
B
A
CONCRETE PAVEMENT
6 x 6 W 2.9 x 2.9 W WIRE MESH
AGGREGATE BASE COURSE
COMPACTED SUBGRADE

NOTE:

1. PROVIDE LIGHT BROOM FINISH PERPENDICULAR TO THE TRAFFIC FLOW UNLESS OTHERWISE NOTED.

1 CONCRETE PAVING

1 1/2" = 1'-0" BC2184-21418-08

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Consultant

CORE INVESTMENTS, INC

Key Plan

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

Permit/Seal

PRELIMINARY NOT FOR CONSTRUCTION

Scale 1"=20'

Project No. 218421418

SITE DETAIL 1

L-131

ORIGINAL SHEET - ARCH E1

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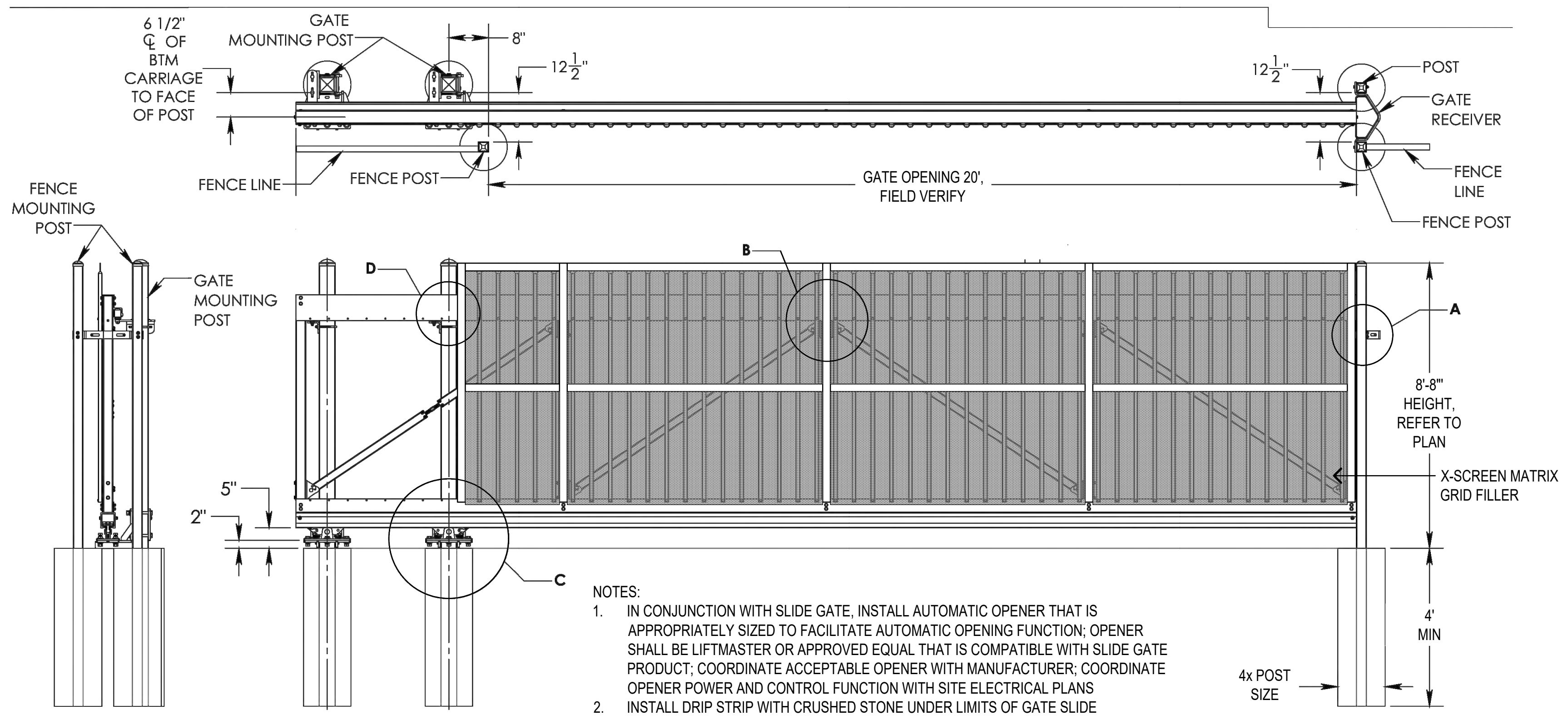
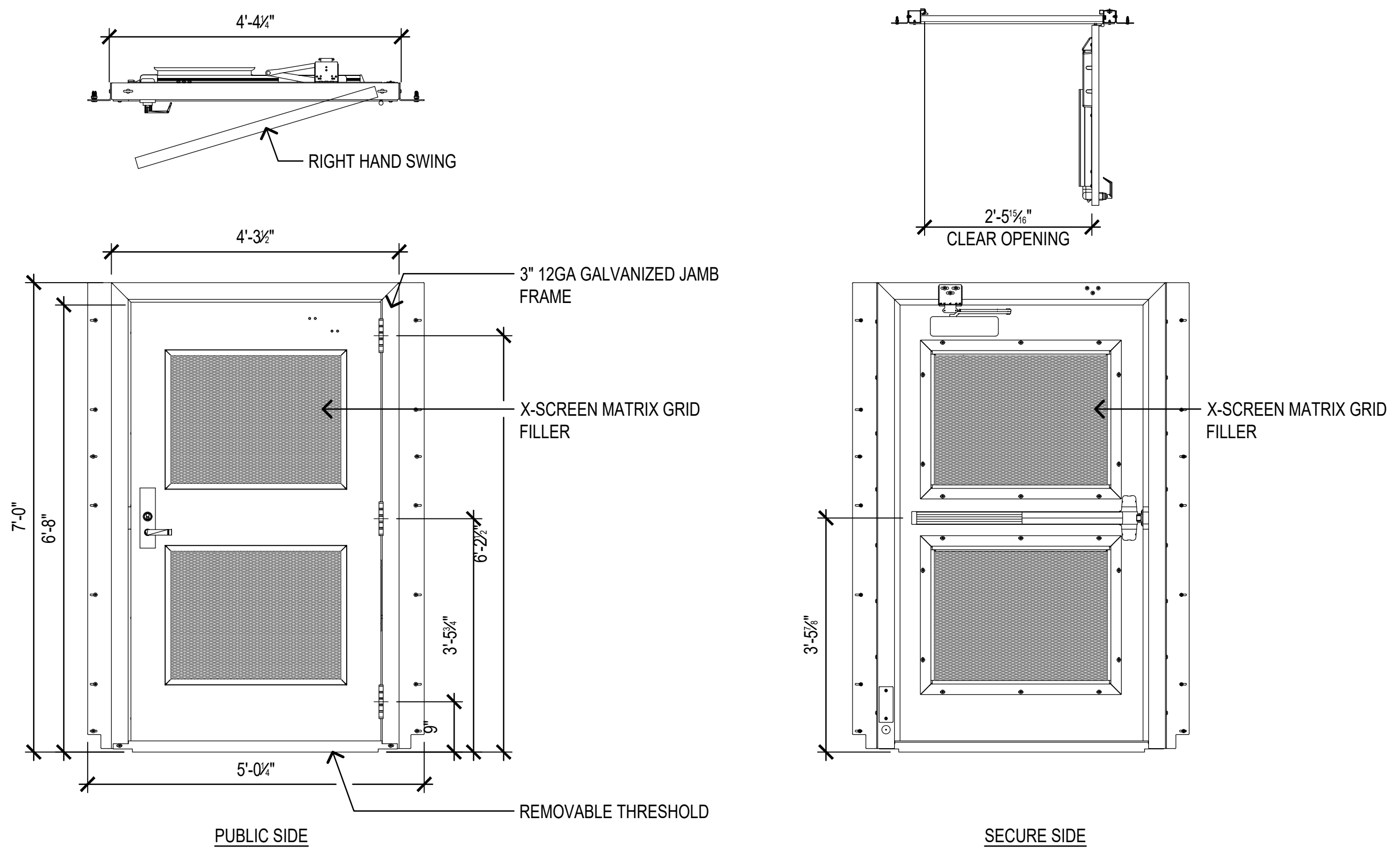


NOTES:
1. IN CONJUNCTION WITH SLIDE GATE, INSTALL AUTOMATIC OPENER THAT IS APPROPRIATELY SIZED TO FACILITATE AUTOMATIC OPENING FUNCTION; OPENER SHALL BE LIFTMASTER OR APPROVED EQUAL THAT IS COMPATIBLE WITH SLIDE GATE PRODUCT; COORDINATE ACCEPTABLE OPENER WITH MANUFACTURER; COORDINATE OPENER POWER AND CONTROL FUNCTION WITH SITE ELECTRICAL PLANS
2. INSTALL DRIP STRIP WITH CRUSHED STONE UNDER LIMITS OF GATE SLIDE
3. MAX. DISTANCE BETWEEN BOTTOM OF GATE AND FINISH GRADE SHALL BE 4"

8 20' WIDE SLIDE GATE WITH MOTOR

1/4" = 1'-0"

BC2184-21418-85



PUBLIC SIDE

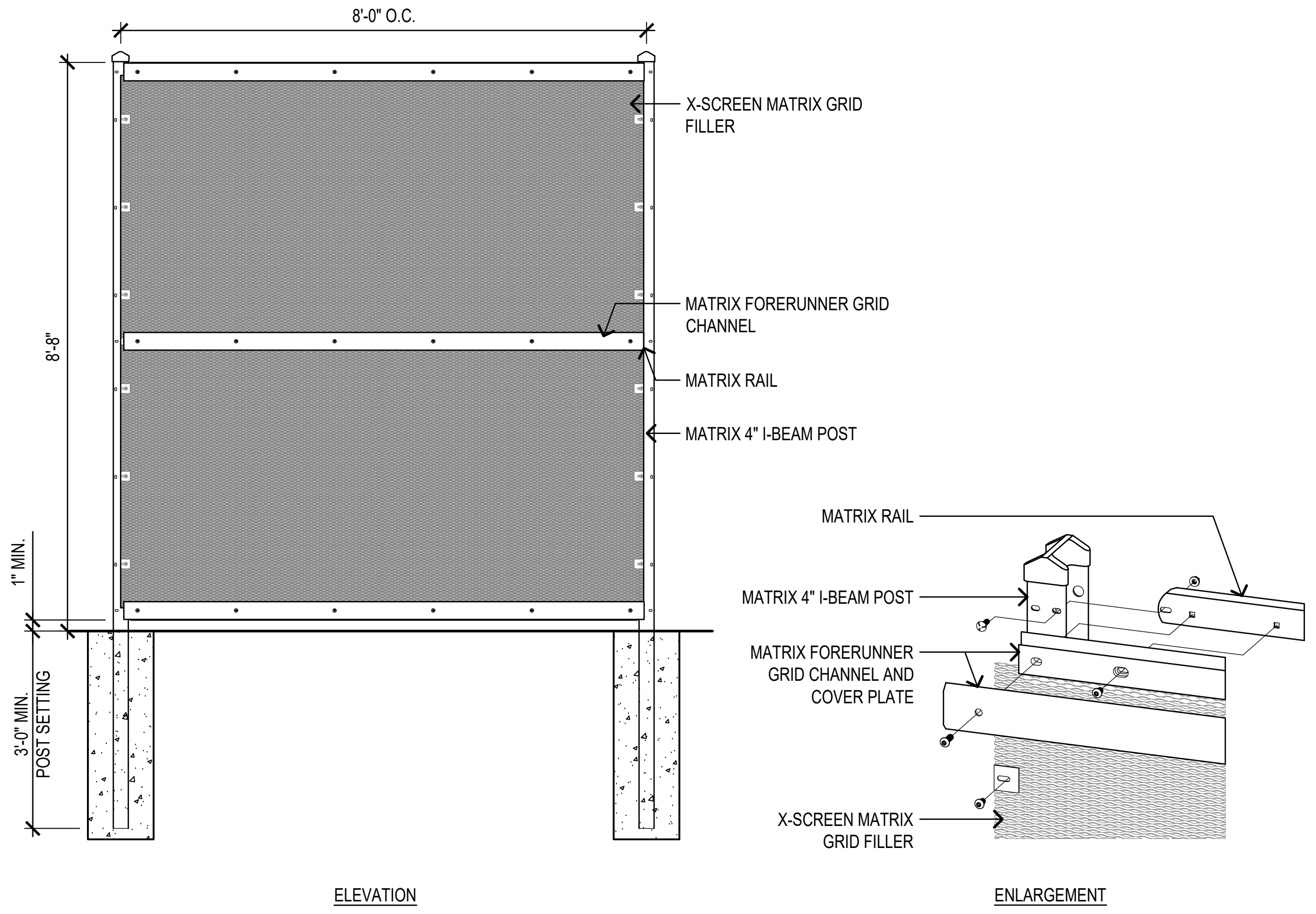
SECURE SIDE

7 PEDESTRIAN GATE IN METAL FENCE

1/2" = 1'-0"

BC2184-21418-62

NOTES:
1. VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATIONS FOR INSTALLATION REQUIREMENTS.



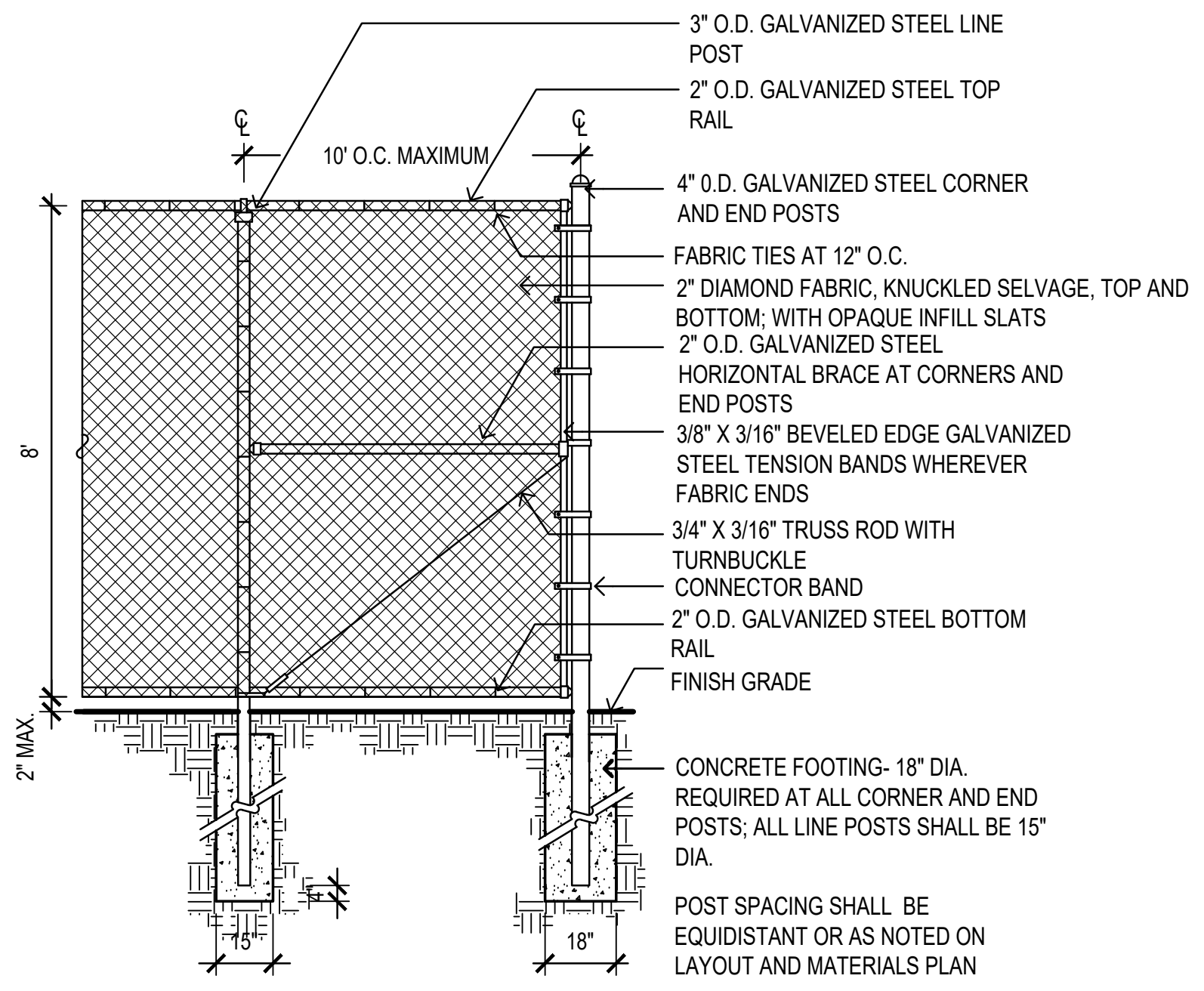
ELEVATION

ENLARGEMENT

6 METAL FENCE

1/2" = 1'-0"

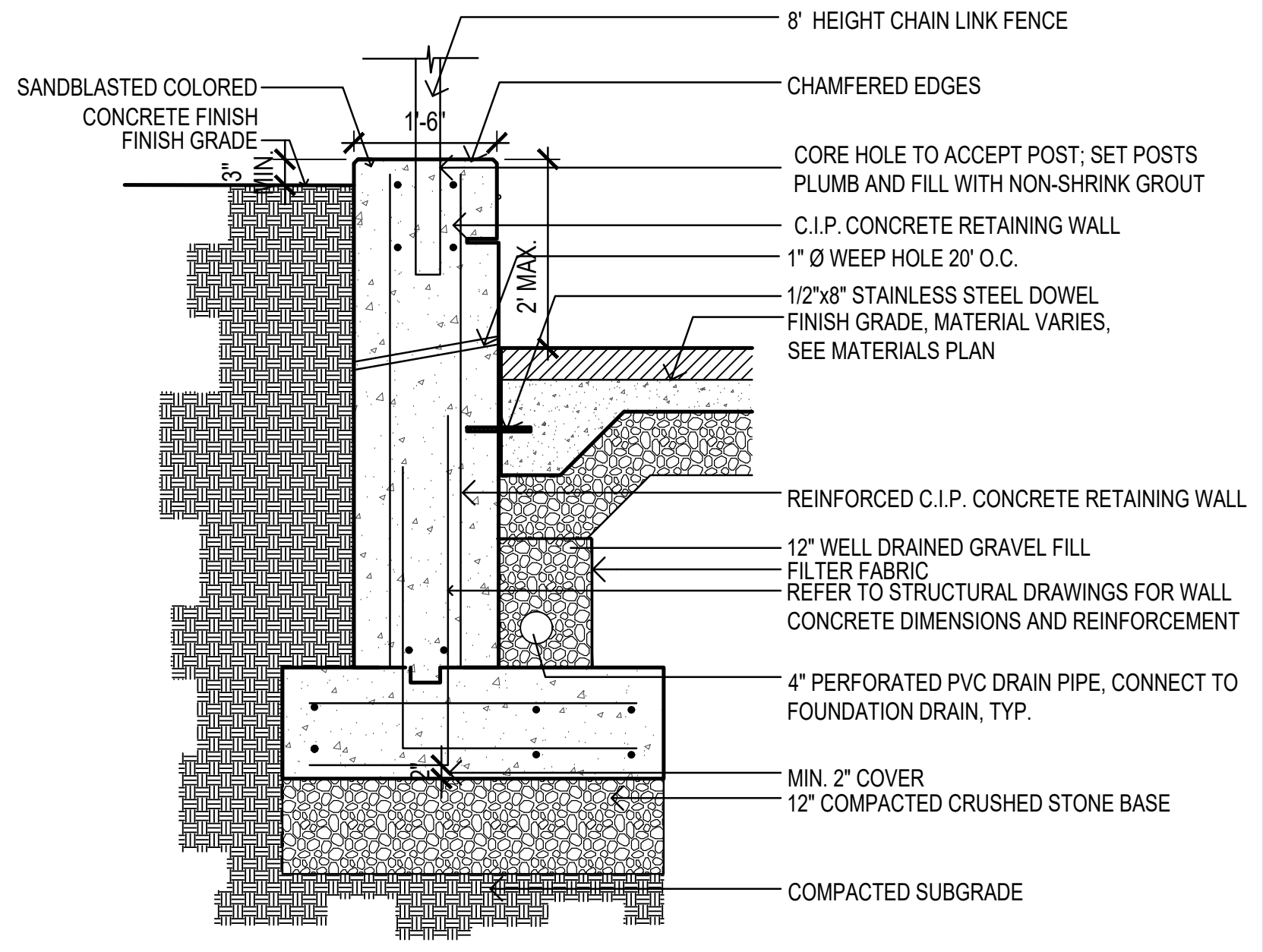
BC2184-21418-61


3" O.D. GALVANIZED STEEL LINE
POST
2" O.D. GALVANIZED STEEL TOP
RAIL
℄
℄
10' O.C. MAXIMUM
4" O.D. GALVANIZED STEEL CORNER
AND END POSTS
FABRIC TIES AT 12" O.C.
2" DIAMOND FABRIC, KNUCKLED SELVAGE, TOP AND
BOTTOM; WITH OPAQUE INFILL SLATS
2" O.D. GALVANIZED STEEL
HORIZONTAL BRACE AT CORNERS AND
END POSTS
3/8" X 3/16" BEVELED EDGE GALVANIZED
STEEL TENSION BANDS WHEREVER
FABRIC ENDS
3/4" X 3/16" TRUSS ROD WITH
TURNBUCKLE
CONNECTOR BAND
2" O.D. GALVANIZED STEEL BOTTOM
RAIL
FINISH GRADE
8'
2" MAX.
CONCRETE FOOTING- 18" DIA.
REQUIRED AT ALL CORNER AND END
POSTS; ALL LINE POSTS SHALL BE 15"
DIA.
POST SPACING SHALL BE
EQUIDISTANT OR AS NOTED ON
LAYOUT AND MATERIALS PLAN
15"
18"

5 8' HT. CHAIN LINK FENCE

1/4" = 1'-0"

BC2184-21418-38

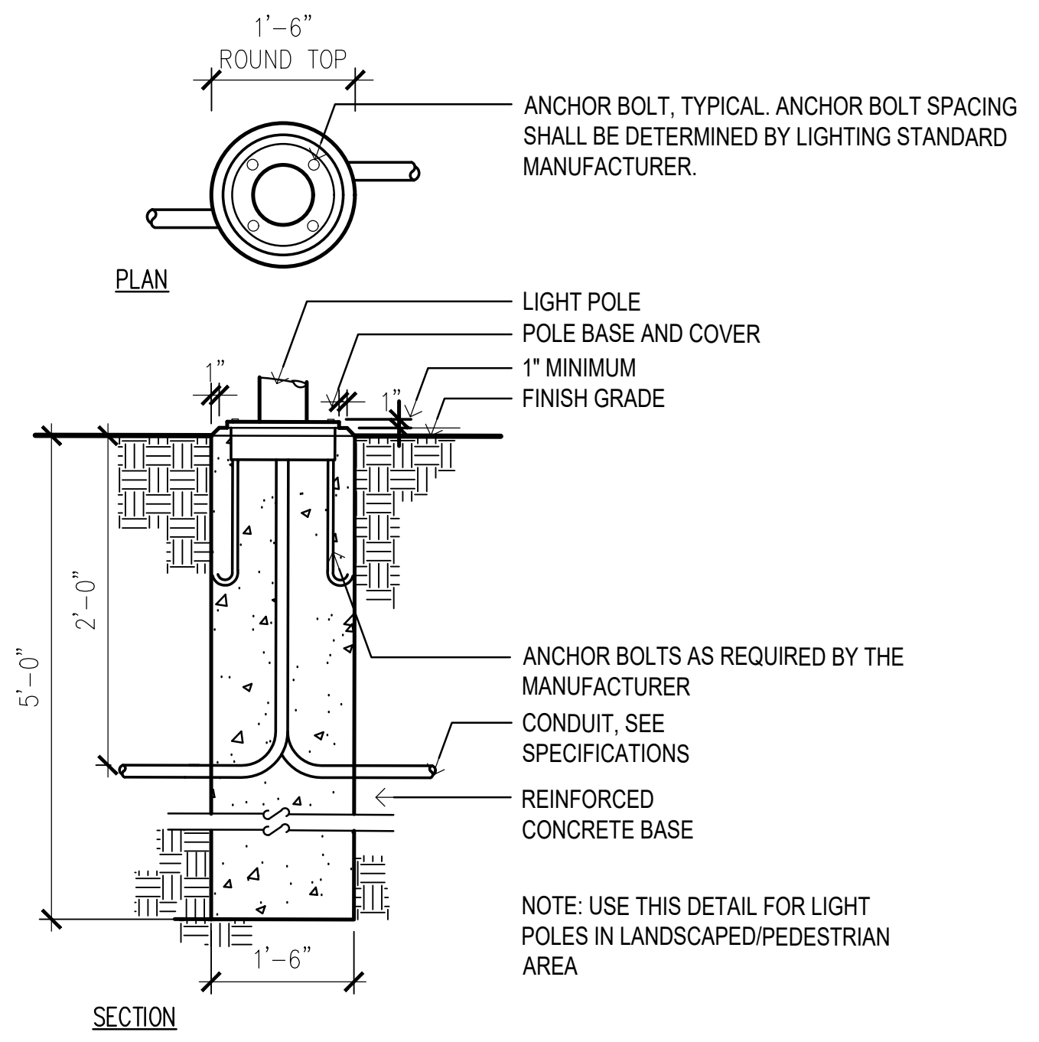

8' HEIGHT CHAIN LINK FENCE
SANDBLASTED COLORED
CONCRETE FINISH
FINISH GRADE
CHAMFERED EDGES
1'-6"
3" MIN.
CORE HOLE TO ACCEPT POST; SET POSTS
PLUMB AND FILL WITH NON-SHRINK GROUT
C.I.P. CONCRETE RETAINING WALL
1" Ø WEEP HOLE 20' O.C.
2' MAX.
1/2"x8" STAINLESS STEEL DOWEL
FINISH GRADE, MATERIAL VARIES,
SEE MATERIALS PLAN
REINFORCED C.I.P. CONCRETE RETAINING WALL
12" WELL DRAINED GRAVEL FILL
FILTER FABRIC
REFER TO STRUCTURAL DRAWINGS FOR WALL
CONCRETE DIMENSIONS AND REINFORCEMENT
4" PERFORATED PVC DRAIN PIPE, CONNECT TO
FOUNDATION DRAIN, TYP.
MIN. 2" COVER
12" COMPACTED CRUSHED STONE BASE
COMPACTED SUBGRADE

NOTES:
1. STRUCTURAL ENGINEER SHALL REVIEW SIZING AND STRUCTURAL REINFORCEMENT OF THE WALL. THIS DETAIL IS NOT FOR CONSTRUCTION

4 CIP CONCRETE RETAINING WALL WITH FENCE ON TOP

1/2" = 1'-0"

BC2184-21418-43



PLAN

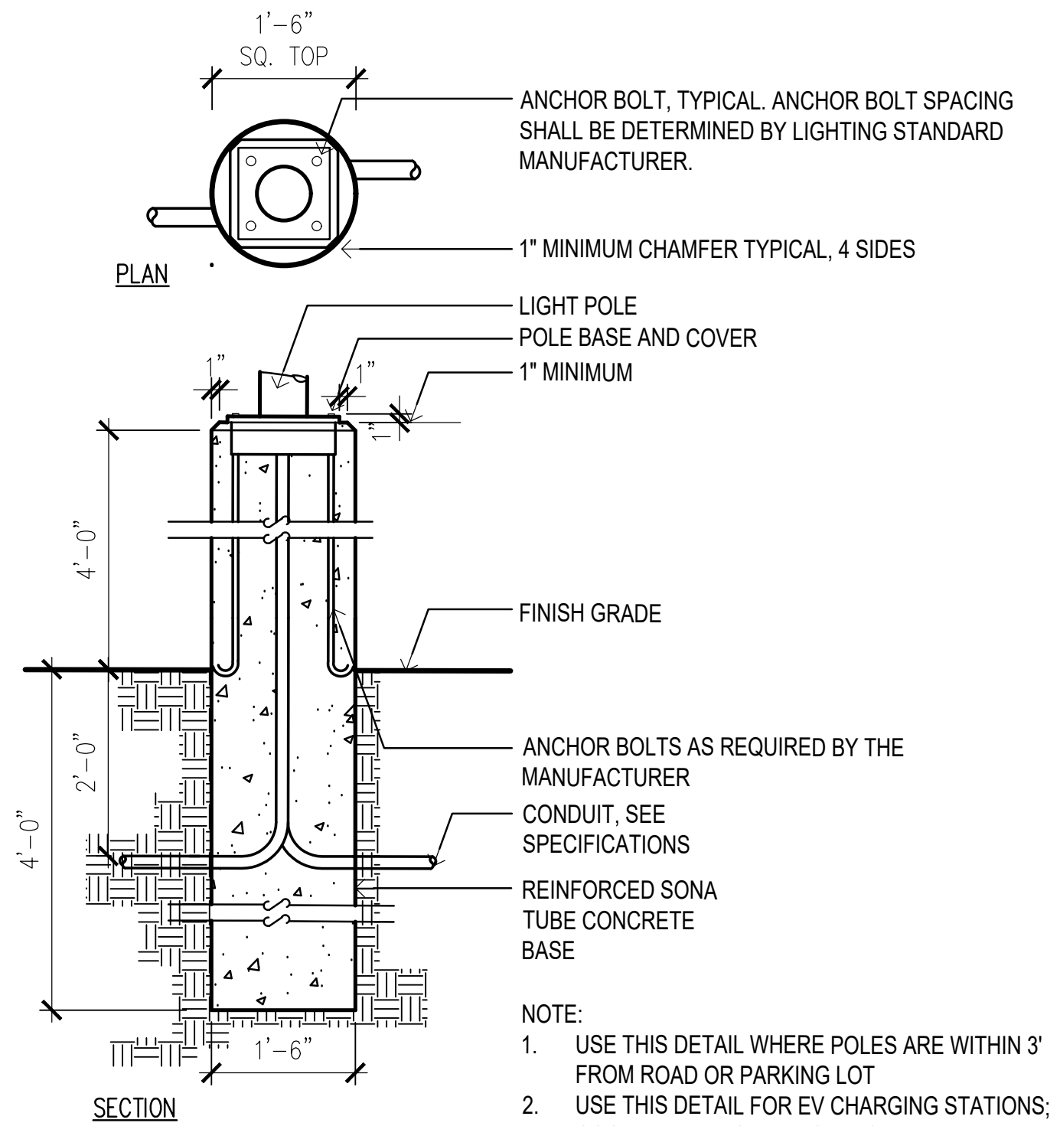
SECTION

NOTE: USE THIS DETAIL FOR LIGHT POLES IN LANDSCAPED/PEDESTRIAN AREA

3 PRECAST LIGHTPOLE BASE - FLUSH

1/2" = 1'-0"

BC2184-21418-87



PLAN

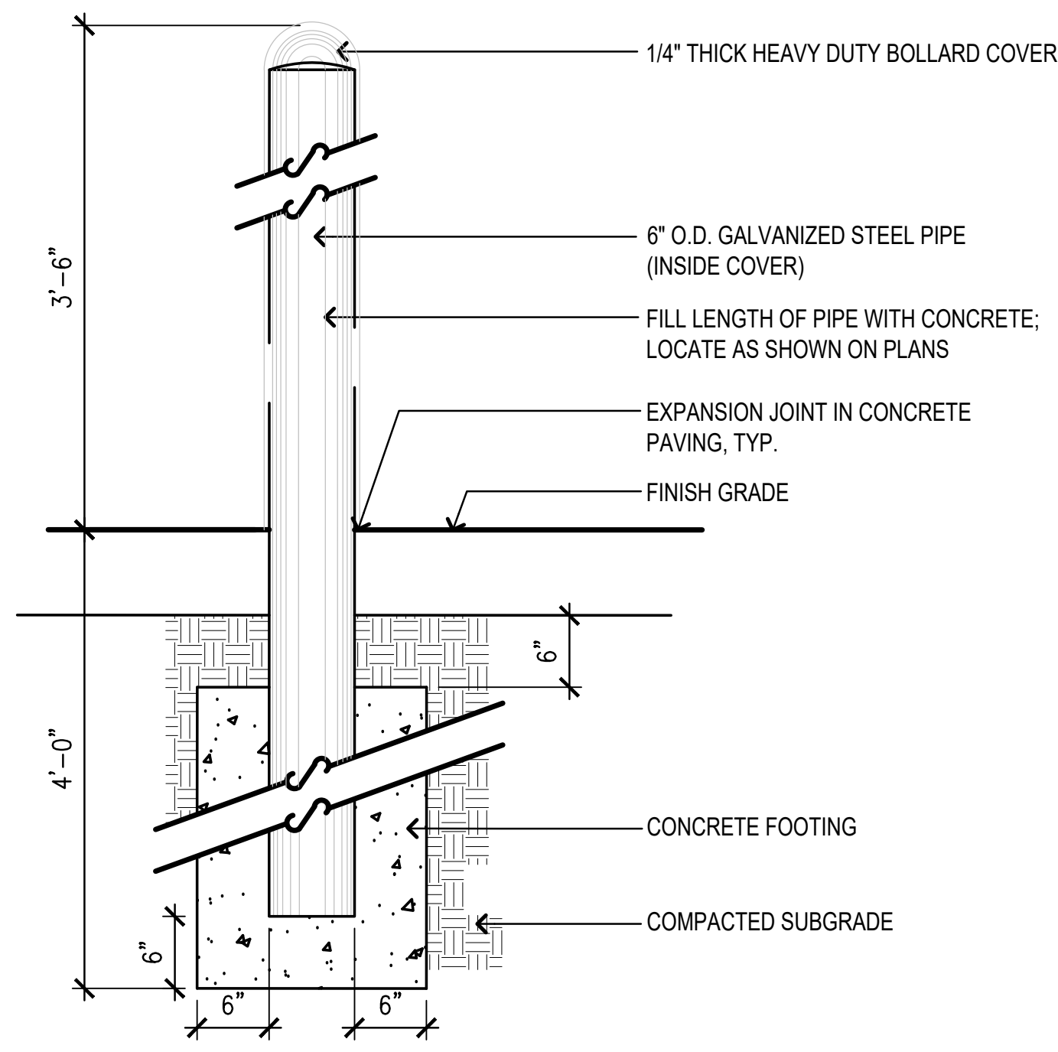
SECTION

NOTE:
1. USE THIS DETAIL WHERE POLES ARE WITHIN 3' FROM ROAD OR PARKING LOT
2. USE THIS DETAIL FOR EV CHARGING STATIONS; COORDINATE MOUNTING HEIGHT AND ADDITIONAL FOOTING REQUIREMENTS WITH MANUFACTURERS RECOMMENDATIONS

2 PRECAST LIGHT POLE BASE - RAISED

1/2" = 1'-0"

BC2184-21418-86


1/4" THICK HEAVY DUTY BOLLARD COVER
3'-6"
6" O.D. GALVANIZED STEEL PIPE
(INSIDE COVER)
FILL LENGTH OF PIPE WITH CONCRETE;
LOCATE AS SHOWN ON PLANS
EXPANSION JOINT IN CONCRETE
PAVING, TYP.
FINISH GRADE
6"
4'-0"
CONCRETE FOOTING
COMPACTED SUBGRADE
6"
6"
6"

1 6" DIAMETER STEEL UTILITY BOLLARD

3/4" = 1'-0"

BC2184-21418-20

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Key Plan

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

Permit/Seal

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CONSTRUCTION

Scale 1"=20'

Project No. 218421418

SITE DETAIL 2

L-132

ORIGINAL SHEET - ARCH E1

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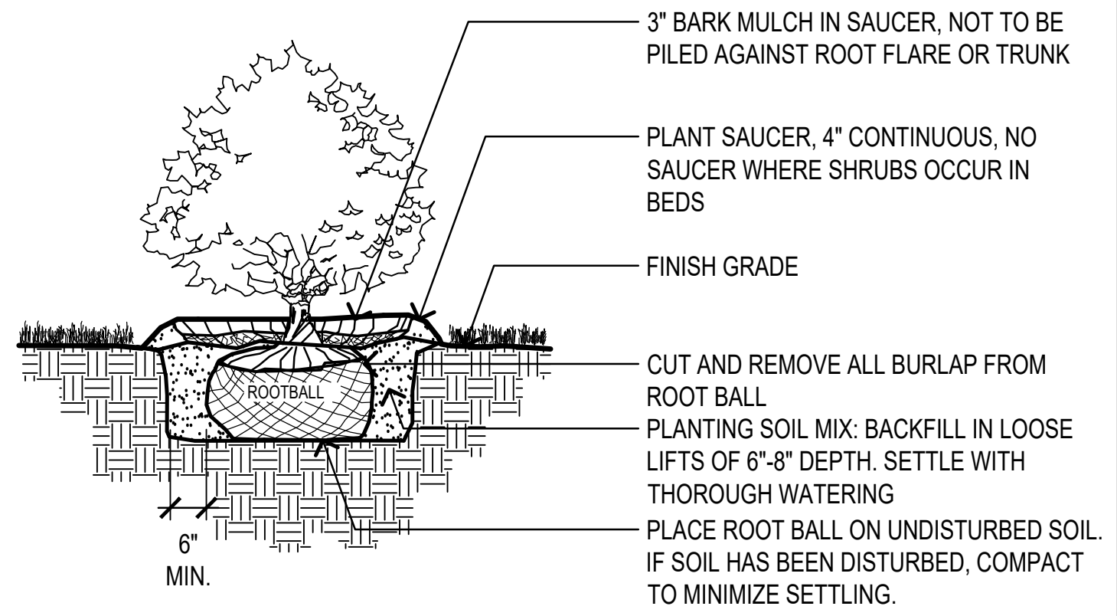

3" BARK MULCH IN SAUCER, NOT TO BE PILED AGAINST ROOT FLARE OR TRUNK
PLANT SAUCER, 4" CONTINUOUS, NO SAUCER WHERE SHRUBS OCCUR IN BEDS
FINISH GRADE
CUT AND REMOVE ALL BURLAP FROM ROOT BALL
PLANTING SOIL MIX: BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. SETTLE WITH THOROUGH WATERING
PLACE ROOT BALL ON UNDISTURBED SOIL. IF SOIL HAS BEEN DISTURBED, COMPACT TO MINIMIZE SETTLING.
ROOTBALL
6" MIN.

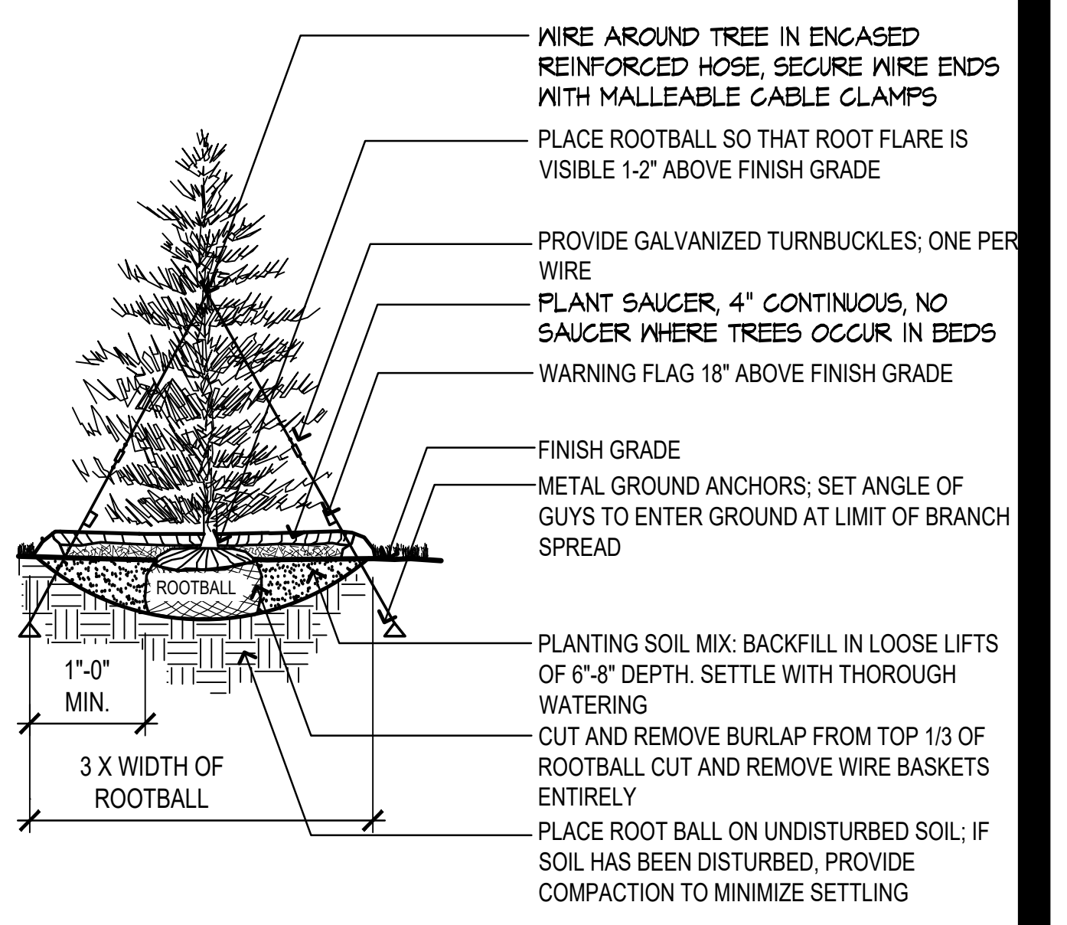
NOTES:

1. SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.
2. WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2 - FOOT DEEP CONTINUOUS LOAM BED.

4 SHRUB PLANTING

3/8" = 1'-0"

BC2184-21418-32

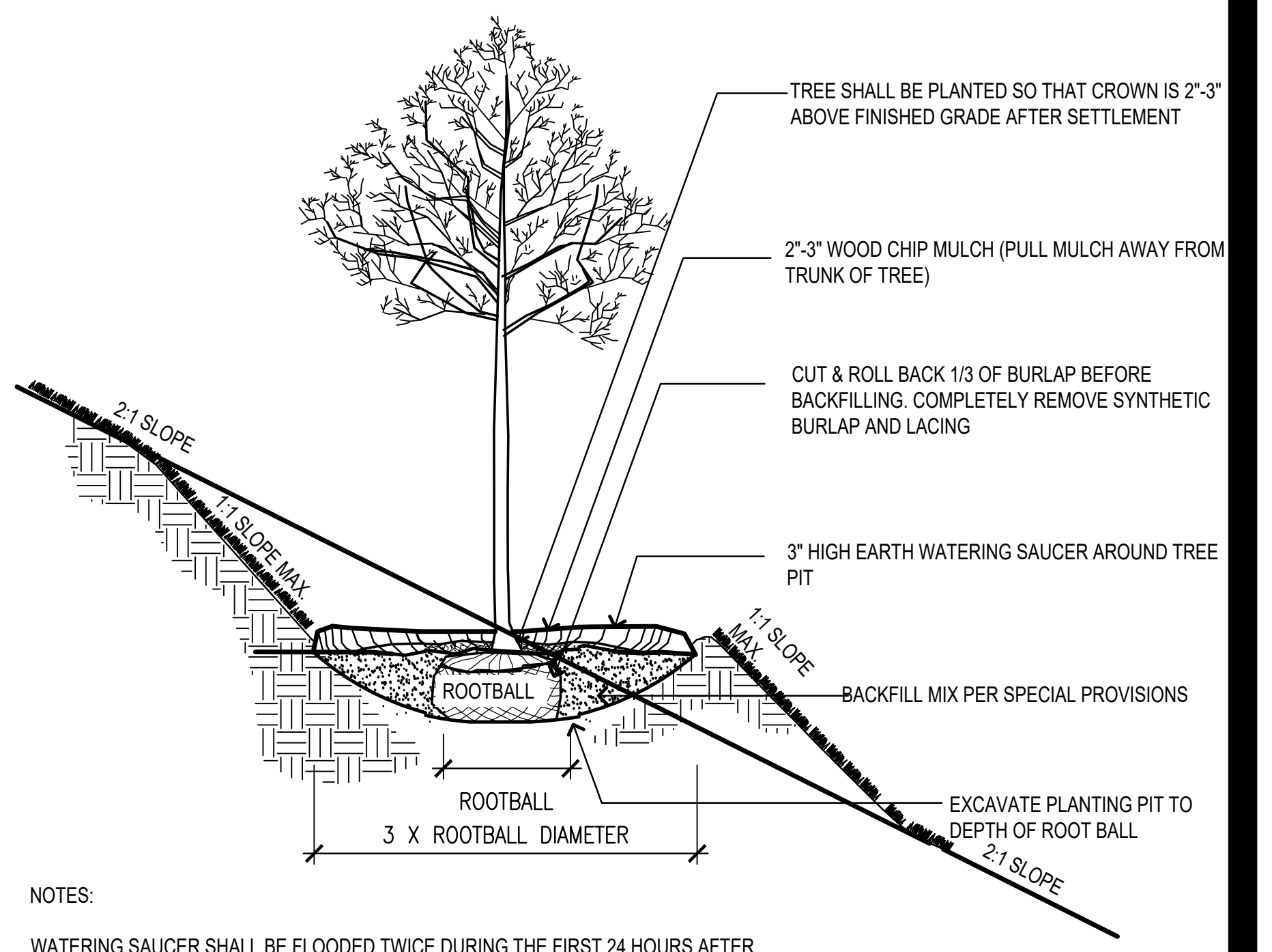

WIRE AROUND TREE IN ENCASED REINFORCED HOSE, SECURE WIRE ENDS WITH MALLEABLE CABLE CLAMPS
PLACE ROOTBALL SO THAT ROOT FLARE IS VISIBLE 1-2" ABOVE FINISH GRADE
PROVIDE GALVANIZED TURNBUCKLES; ONE PER WIRE
PLANT SAUCER, 4" CONTINUOUS, NO SAUCER WHERE TREES OCCUR IN BEDS
WARNING FLAG 18" ABOVE FINISH GRADE
FINISH GRADE
METAL GROUND ANCHORS; SET ANGLE OF GUYS TO ENTER GROUND AT LIMIT OF BRANCH SPREAD
PLANTING SOIL MIX: BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. SETTLE WITH THOROUGH WATERING
CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL CUT AND REMOVE WIRE BASKETS ENTIRELY
PLACE ROOT BALL ON UNDISTURBED SOIL; IF SOIL HAS BEEN DISTURBED, PROVIDE COMPACTION TO MINIMIZE SETTLING
ROOTBALL
1"-0" MIN.
3 X WIDTH OF ROOTBALL

NOTE:
1. TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE .
2. INSTALL THREE GUYS PER TREE; EQUALLY SPACED AROUND BALL. ATTACH GUYS AT 2/3 HEIGHT OF TREE; USE DOUBLE STRAND GALVANIZED STEEL WIRE.
3. ROOT FLARE SHALL BE VISIBLE 1-2" ABOVE FINISH GRADE.

3 EVERGREEN TREE PLANTING

1/8" = 1'-0"

BC2184-21418-31


TREE SHALL BE PLANTED SO THAT CROWN IS 2"-3" ABOVE FINISHED GRADE AFTER SETTLEMENT
2"-3" WOOD CHIP MULCH (PULL MULCH AWAY FROM TRUNK OF TREE)
CUT & ROLL BACK 1/3 OF BURLAP BEFORE BACKFILLING. COMPLETELY REMOVE SYNTHETIC BURLAP AND LACING
3" HIGH EARTH WATERING SAUCER AROUND TREE PIT
BACKFILL MIX PER SPECIAL PROVISIONS
EXCAVATE PLANTING PIT TO DEPTH OF ROOT BALL
2:1 SLOPE
1:1 SLOPE MAX
1:1 SLOPE MAX.
2:1 SLOPE
ROOTBALL
ROOTBALL
3 X ROOTBALL DIAMETER

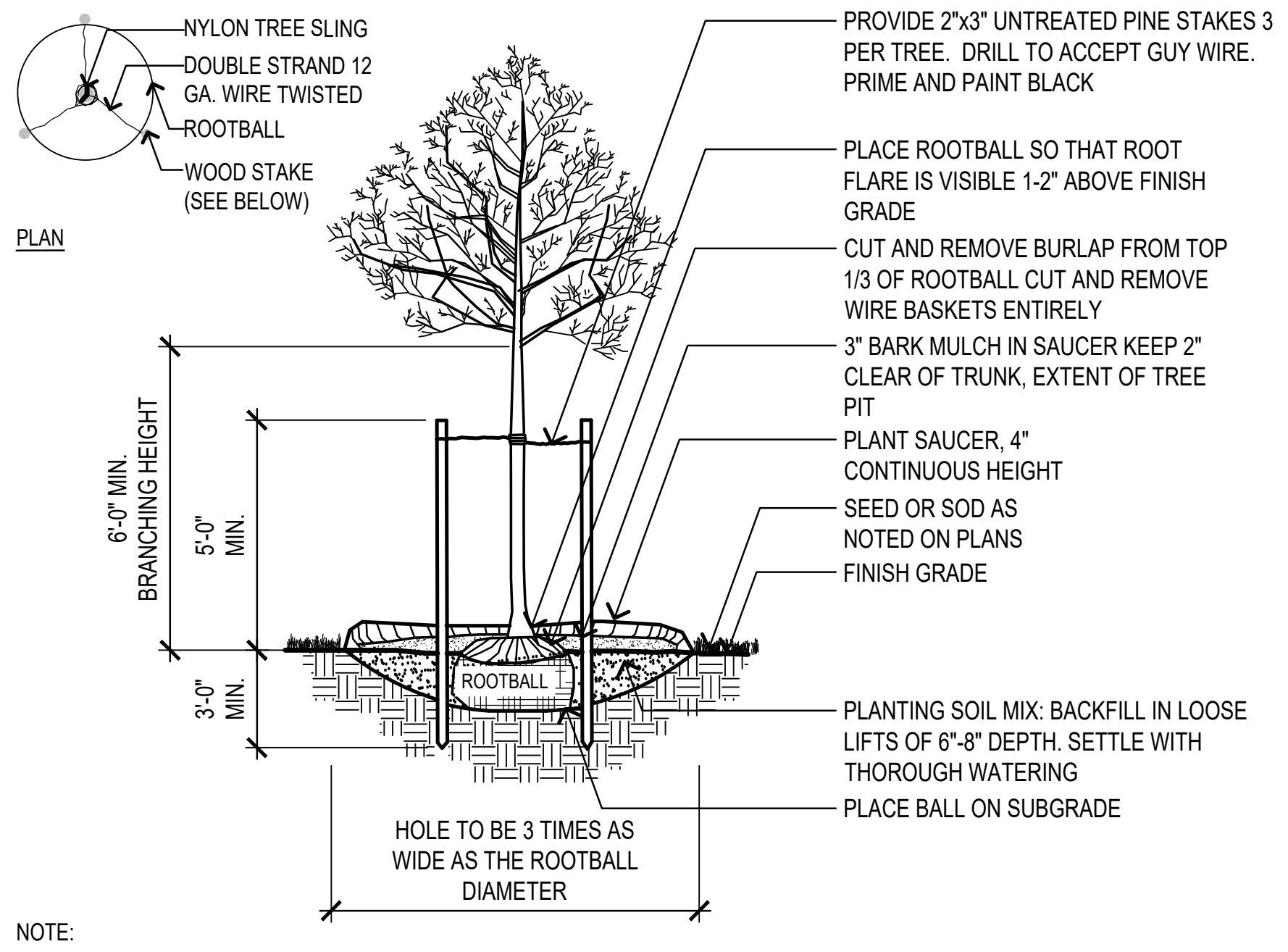
NOTES:

WATERING SAUCER SHALL BE FLOODED TWICE DURING THE FIRST 24 HOURS AFTER PLANTING. DO NOT CUT LEADER. TREE SHALL BE SET PLUMB

2 DECIDUOUS TREE PLANTING IN A SLOPE

3/32" = 1'-0"

BC2184-21418-30


NYLON TREE SLING
DOUBLE STRAND 12 GA. WIRE TWISTED
ROOTBALL
WOOD STAKE (SEE BELOW)
PLAN
PROVIDE 2"x3" UNTREATED PINE STAKES 3 PER TREE. DRILL TO ACCEPT GUY WIRE. PRIME AND PAINT BLACK
PLACE ROOTBALL SO THAT ROOT FLARE IS VISIBLE 1-2" ABOVE FINISH GRADE
CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL CUT AND REMOVE WIRE BASKETS ENTIRELY
3" BARK MULCH IN SAUCER KEEP 2" CLEAR OF TRUNK, EXTENT OF TREE PIT
PLANT SAUCER, 4" CONTINUOUS HEIGHT
SEED OR SOD AS NOTED ON PLANS
FINISH GRADE
PLANTING SOIL MIX: BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. SETTLE WITH THOROUGH WATERING
PLACE BALL ON SUBGRADE
6'-0" MIN. BRANCHING HEIGHT
5'-0" MIN.
3'-0" MIN.
ROOTBALL
HOLE TO BE 3 TIMES AS WIDE AS THE ROOTBALL DIAMETER

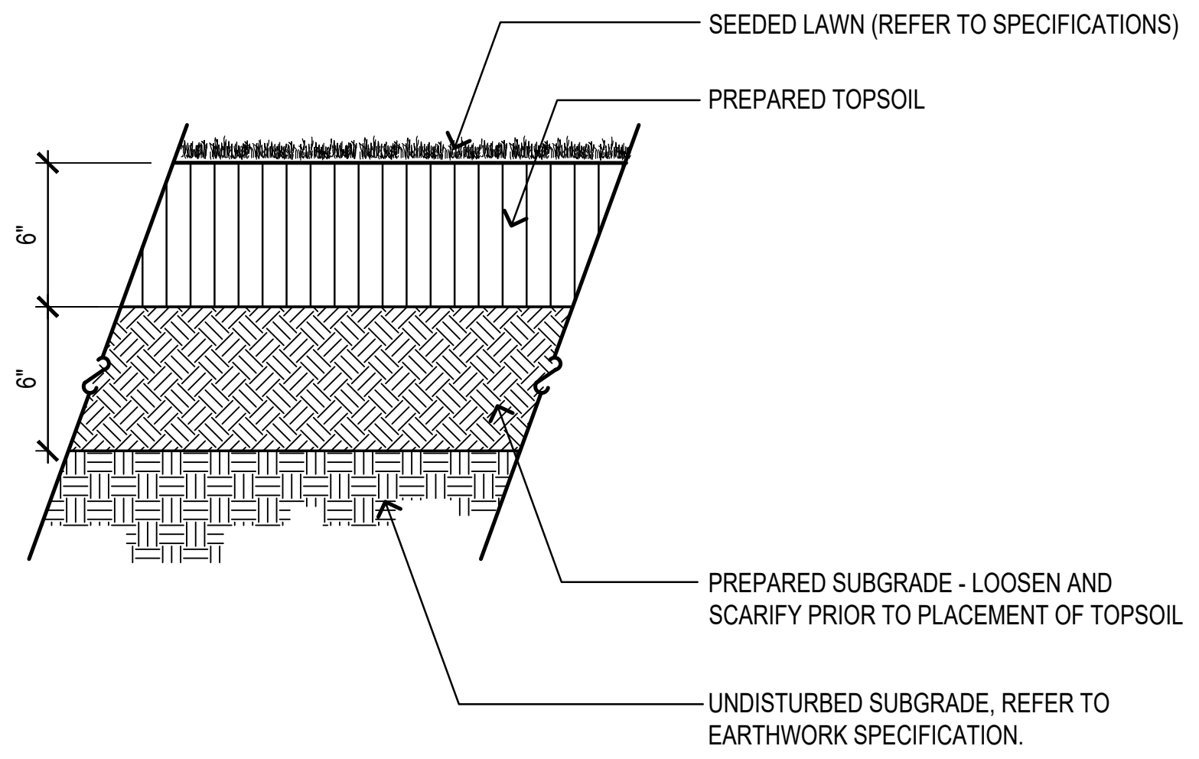
NOTE:

1. TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE
2. CONTRACTOR MAY USE PLASTIC TREE GUYING CHAIN IF APPROVED BY LANDSCAPE ARCHITECT

1 DECIDUOUS TREE PLANTING WITH GUYING

1/4" = 1'-0"

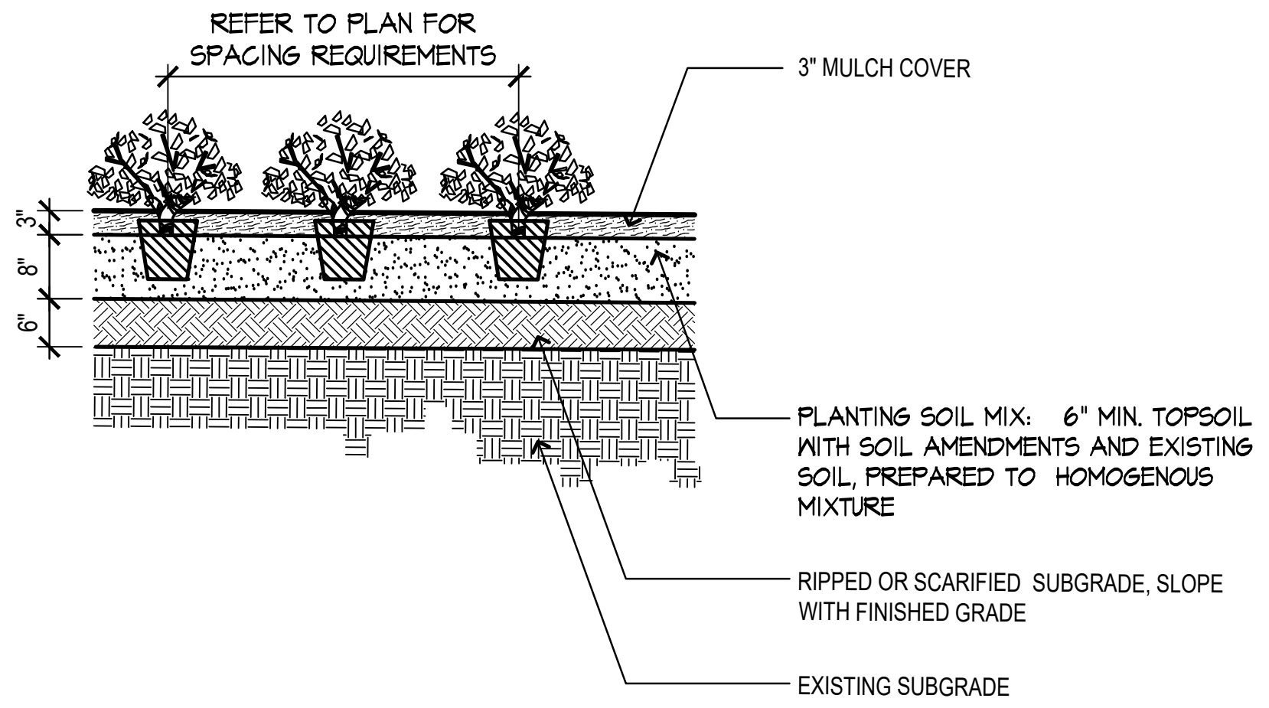
BC2184-21418-29


SEEDED LAWN (REFER TO SPECIFICATIONS)
PREPARED TOPSOIL
PREPARED SUBGRADE - LOOSEN AND SCARIFY PRIOR TO PLACEMENT OF TOPSOIL
UNDISTURBED SUBGRADE, REFER TO EARTHWORK SPECIFICATION.
6"
6"

6 LOAM AND SEED OR SOD PLANTING

1 1/2" = 1'-0"

BC2184-21418-34


REFER TO PLAN FOR SPACING REQUIREMENTS
3" MULCH COVER
PLANTING SOIL MIX: 6" MIN. TOPSOIL WITH SOIL AMENDMENTS AND EXISTING SOIL, PREPARED TO HOMOGENOUS MIXTURE
RIPPED OR SCARIFIED SUBGRADE, SLOPE WITH FINISHED GRADE
EXISTING SUBGRADE
3"
8"
6"

5 GROUND COVER PLANTING

1/2" = 1'-0"

BC2184-21418-33

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Key Plan

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

Permit/Seal

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Scale 1"=20'

Project No. 218421418

PLANTING DETAILS

L-141

ORIGINAL SHEET - ARCH E1

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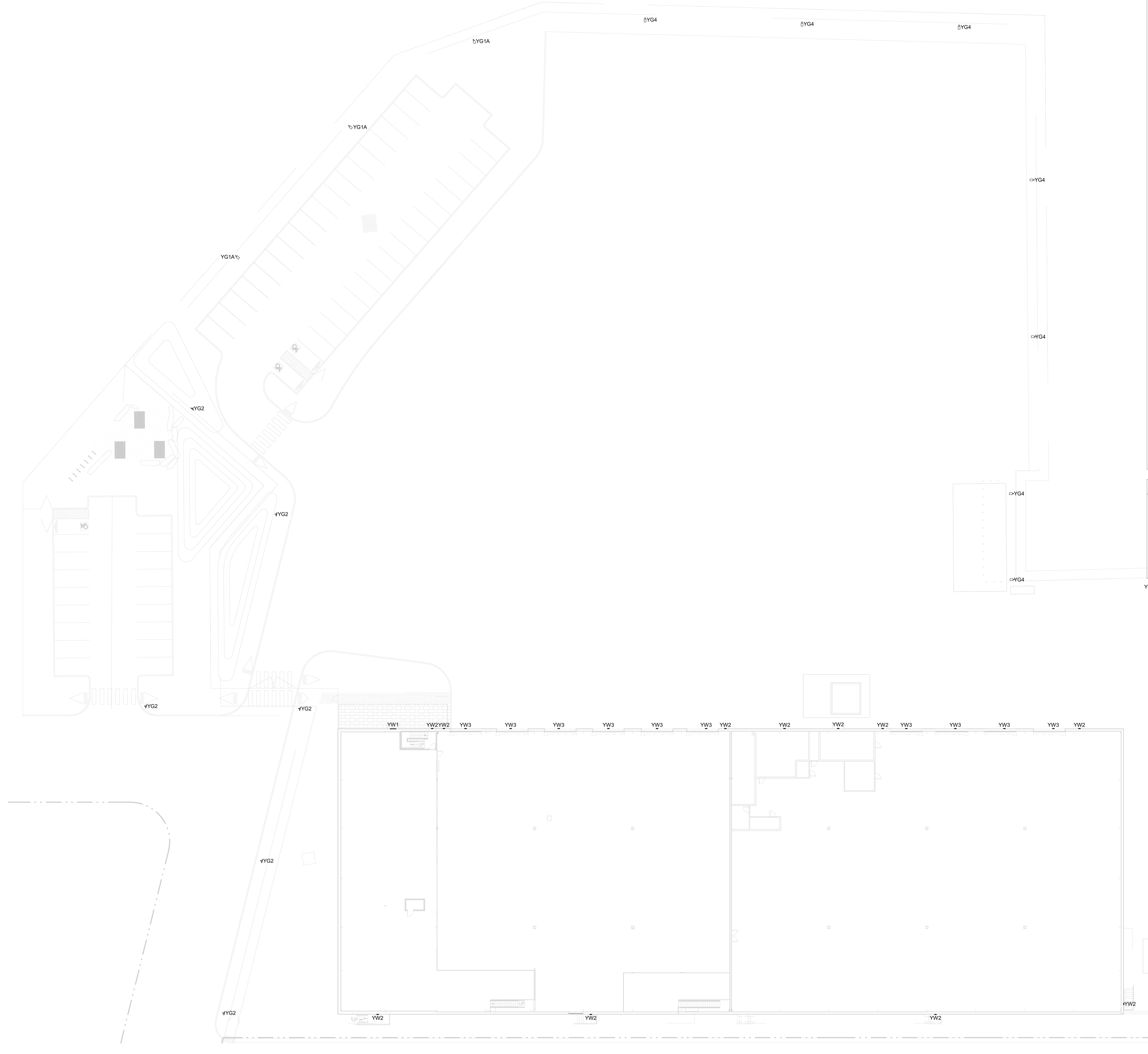

① SITE LIGHTING PLAN
1" = 20'-0"

GENERAL LIGHTING NOTES

1. REFER TO GENERAL PROJECT NOTES AND SYMBOLS LIST / LEGEND FOR MORE INFORMATION.
2. BEFORE BID SUBMISSION AND COMMENCING WORK, CONTRACTOR SHALL FIELD INSPECT SCOPE OF PROJECT, AND SUBMIT A REQUEST OF INFORMATION TO THE ENGINEER FOR ANY DISCREPANCIES OR INCOMPATIBILITIES FOUND BETWEEN DESIGN AND ACTUAL CONDITIONS.
3. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
4. ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND IN HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
5. COORDINATE LIGHTING FIXTURE TYPE, CATALOG NUMBERS, FIXTURE MOUNTING, TRIMS, FINISHES, CORRELATED COLOR TEMPERATURE (CCT), COLOR RENDERING INDEX (CRI), QUANTITIES AND EXACT MOUNTING LOCATIONS / HEIGHTS WITH THE ARCHITECT.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL WALL-MOUNTED LIGHTING CONTROL DEVICES.
7. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION, OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
8. MULTIPLE WALL-MOUNTED LIGHTING CONTROL DEVICES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
9. THE CONTRACTOR SHALL PROVIDE LIGHTING CONTROLS THAT ARE COMPATIBLE WITH THE DIMMING TECHNOLOGY OF THE LIGHTING FIXTURES (0-10V, ELV, MLV, ETC.).
10. CONTRACTOR SHALL PROVIDE ALL REQUIRED JUNCTION BOXES, THROUGH WIRING, DROPS, CONDUIT, POWER AND CONTROL WIRING AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL INSTALLATION IN ACCORDANCE WITH LIGHTING MANUFACTURERS SHOP DRAWINGS, FIELD CONDITIONS, CODE REQUIREMENTS, BUILDING STANDARDS AND CONTRACT DOCUMENTS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL REQUIRED WIRING BETWEEN LIGHTING FIXTURES, LIGHTING CONTROLS EQUIPMENT & DEVICES (INCLUDING BUT NOT LIMITED TO: SWITCHES, DIMMERS, KEYPADS, OCCUPANT SENSORS, DAYLIGHT HARVESTING SENSORS, POWER PACKS, ETC), AND EQUIPMENT BY OTHER DISCIPLINES THAT INTERFACE WITH THE LIGHTING CONTROL SYSTEM (E.G. PLUG LOAD CONTROLS DEVICES, FIRE ALARM SYSTEM, AUDIO-VISUAL SYSTEM, HVAC CONTROLS, NETWORK INTERFACES ETC).
11. THE LOCATION OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC FOR WORK SCOPE PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY LOCATE, AIM, AND MASK THE SENSORS BASED ON MANUFACTURER'S RECOMMENDATIONS. ARRANGE FOR MANUFACTURER'S FIELD REPRESENTATIVE TO VISIT THE SITE AND SUPERVISE FINAL LOCATION AND ADJUSTMENTS AS REQUIRED.
12. POWER PACK / RELAY CONTROL MODULE QUANTITIES & LOCATIONS WHERE SHOWN ARE FOR REFERENCE ONLY. COORDINATE WITH MANUFACTURER FOR REQUIREMENTS AND LIMITATIONS OF SYSTEM.
13. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL CEILING MOUNTED OCCUPANCY SENSORS WITH ALL OTHER CEILING APPURTENANCES SUCH AS HVAC DIFFUSERS, SPRINKLER HEADS, ETC. SENSORS SHALL BE LOCATED AT A MINIMUM OF 6 FEET AWAY FROM ANY HVAC DIFFUSER.
14. CEILING MOUNTED OCCUPANCY SENSOR TIME DELAY SHALL BE SET FOR NO LESS THAN 15 MINUTES AND SHALL NOT EXCEED 20 MIN, UON. AS PART OF OCCUPANCY SENSOR SHOP DRAWING SUBMITTAL, PROVIDE LIGHTING PLAN SHOWING EXACT QUANTITIES AND LOCATIONS OF ALL SYSTEM COMPONENTS, INCLUDING SENSOR TYPES, POWER PACKS, CONTROLLERS, BRIDGES, GATEWAYS, ETC.
15. UPON COMPLETION OF THE INSTALLATION, THE COMPLETE LIGHTING CONTROL SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE SATISFACTORY OPERATION OF THE SYSTEM.
16. THE CONTRACTOR SHALL ALSO PROVIDE, AT THE CLIENT'S FACILITY, THE TRAINING NECESSARY TO FAMILIARIZE THE CLIENT PERSONNEL WITH THE LIGHTING CONTROL SYSTEM OPERATION, ADJUSTMENT, AND TROUBLESHOOTING.
17. CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER/OWNER'S REPRESENTATIVE PRIOR TO RELEASING LIGHTING CONTROL PACKAGE IF SCENE CONTROL IS REQUIRED IN ANY SPACES SHOWN WITH MULTIPLE OR SINGLE ZONES. PROVIDE HARDWARE AS NECESSARY TO ACHEIVE SCENE CONTROL.

EMERGENCY LIGHTING NOTES

1. THE EMERGENCY LIGHTING FOR THIS PROJECT IS SERVED VIA CENTRAL BATTERY INVERTER.
2. PROVIDE UNSWITCHED HOT LEG FOR ALL NIGHT LIGHTS, EXIT SIGNS, AND EMERGENCY BATTERY PACKS.
3. ALL DIMMING EMERGENCY FIXTURES/ZONES INDICATED BY "EM" POWERED BY AN EMERGENCY CIRCUIT OR CENTRAL BATTERY INVERTER SHALL BE EQUIPPED WITH A UL 924 TRANSFER RELAY. THE CONTRACTOR SHALL PROVIDE ONE RELAY FOR EVERY DISCRETE LIGHTING CONTROL ZONE. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS TO CONNECT TO FIRE ALARM OR SECURITY SYSTEM AS REQUIRED.

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CORE
INVESTMENTS, INC

Key Plan

RANDOLPH, MA

PROJECT
NORTH

Notes

2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

Issued/Revision YYYY.MM.DD

Permit/Seal

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Scale As indicated

Project No.

ELECTRICAL SITE LIGHTING PLAN

E-502

<Pick location in Project Information>
3/7/2024 9:46:26 AM
ORIGINAL SHEET - ARCH E1

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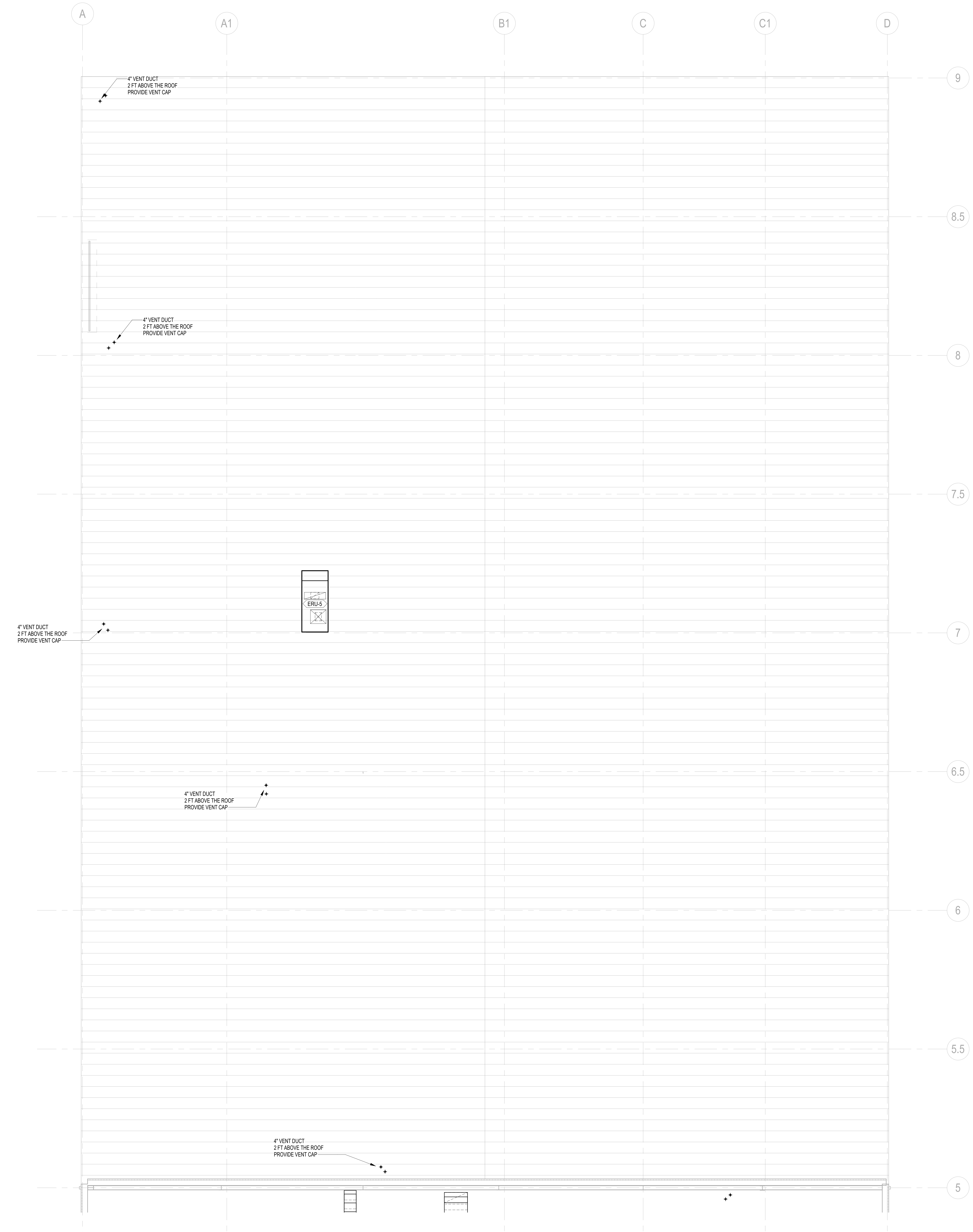

1 BUILDING A - ROOF - MECHANICAL PLAN - NORTH SECTION
1/8" = 1'-0"

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CORE INVESTMENTS, INC

Key Plan

RANDOLPH, MA

PROJECT
NORTH

Notes

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2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06

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CONSTRUCTION**

Scale 1/8" = 1'-0"

Project No.

MECHANICAL ROOF - NORTH PLAN

M-103A

<Pick location in Project Information>
3/6/2024 1:05:14 PM
ORIGINAL SHEET - ARCH E1

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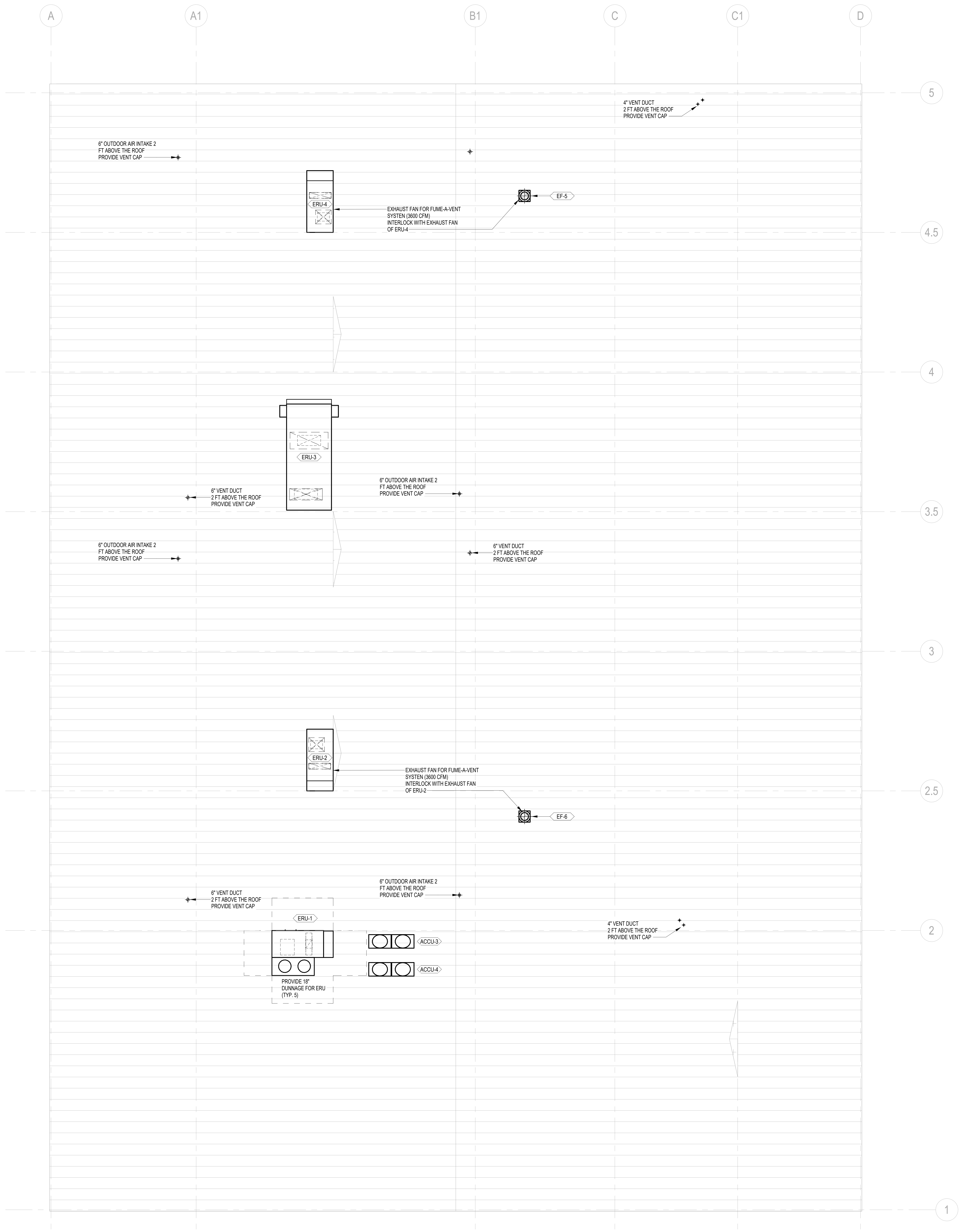

1 BUILDING A ROOF - MECHANICAL PLAN - SOUTH SECTION
1/8" = 1'-0"

<Pick location in Project Information>
3/6/2024 1:05:14 PM
ORIGINAL SHEET - ARCH E1

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CORE
INVESTMENTS, INC

Key Plan

RANDOLPH, MA

PROJECT
NORTH

Notes

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2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06
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CONSTRUCTION**

Scale 1/8" = 1'-0"

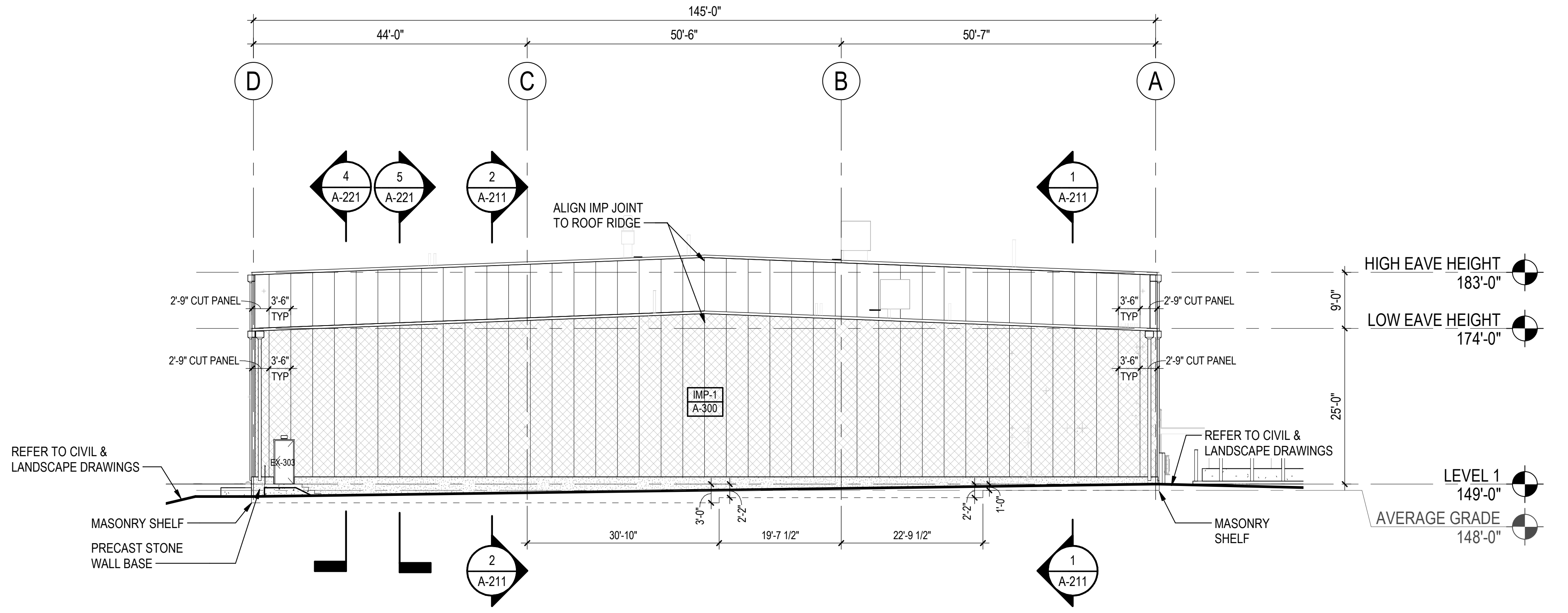
Project No.

MECHANICAL ROOF - SOUTH PLAN

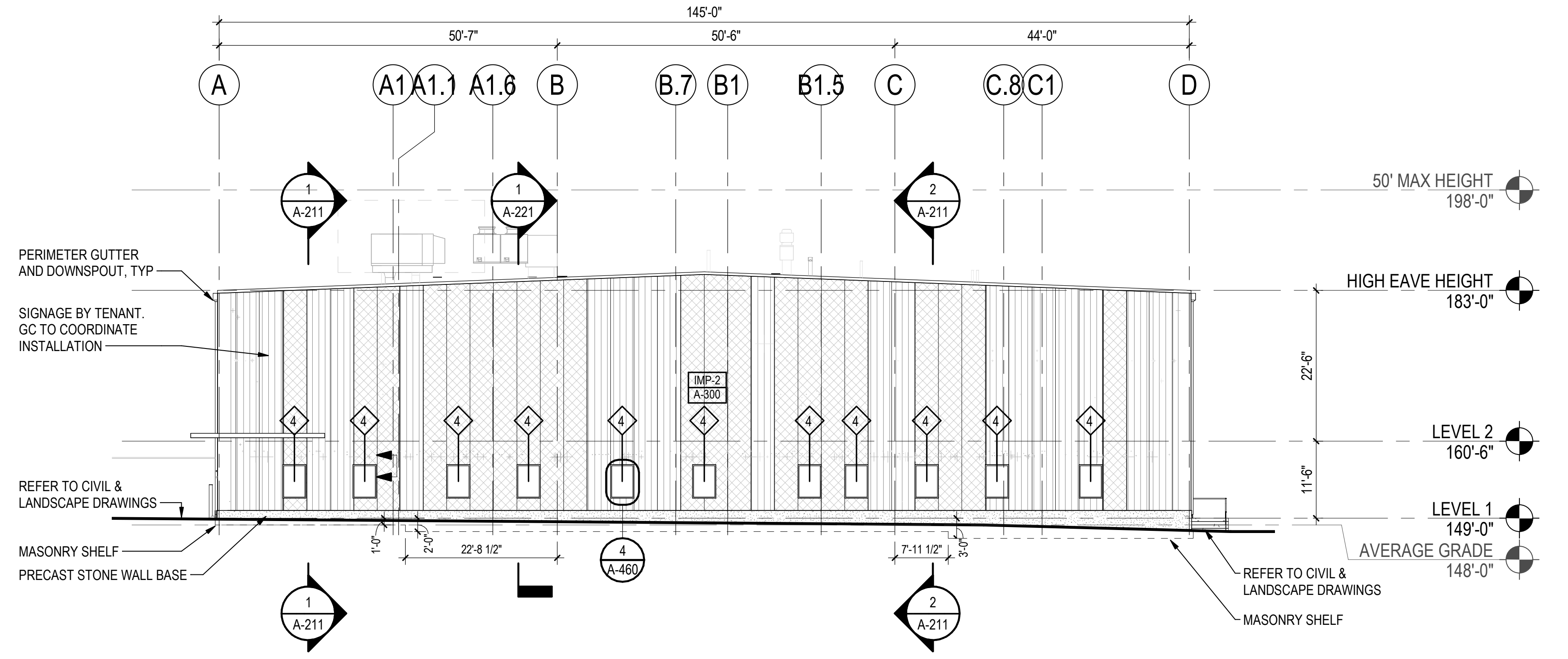
M-103B

MATERIAL LEGEND

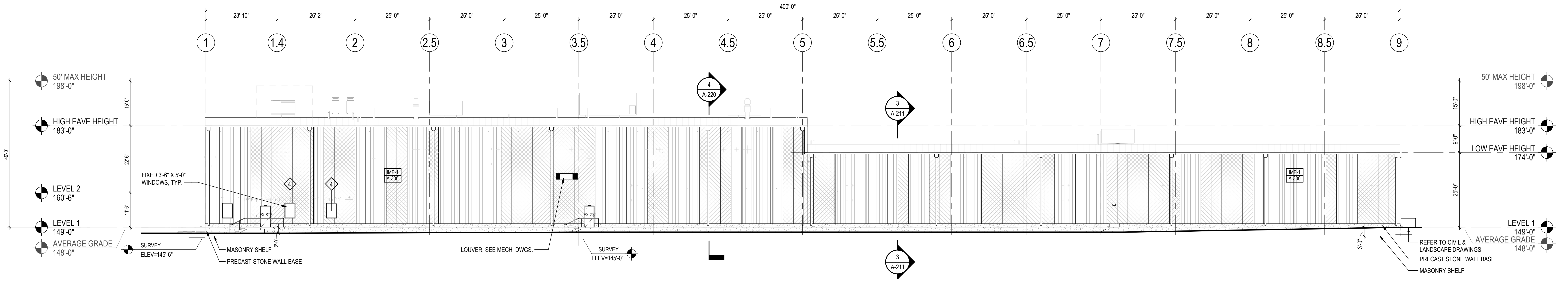
▨	INSULATED METAL PANEL - TUNDRA BOD: METL-SPAN CF LIGHT MESA PROFILE PANELS (42" WIDTH)
▥	INSULATED METAL PANEL - SLATE GRAY BOD: METL-SPAN CF FLUTE PROFILE PANELS (42" WIDTH)



4
A-201
NORTH ELEVATION
1/16" = 1'-0"

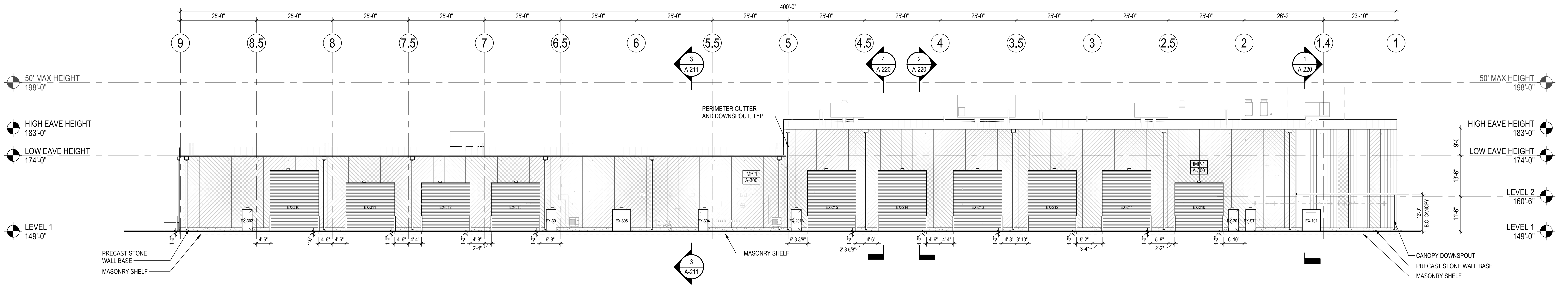


3
A-201
SOUTH ELEVATION
1/16" = 1'-0"



2
A-201
EAST ELEVATION
1/16" = 1'-0"

NOTE: SEE LANDSCAPE DWGS FOR EXTERIOR STAIRS AND HANDRAILS - NOT SHOWN ON ARCH DWGS.



1
A-201
WEST ELEVATION
1/16" = 1'-0"

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Consultant

CORE
INVESTMENTS, INC

Key Plan

RANDOLPH NORTH BUILDING A

PROJECT
NORTH

Notes

4	CONSTRUCTION DOCUMENTS	2024.03.15
3	50% CONSTRUCTION DOCUMENTS	2024.02.16
2	DESIGN DEVELOPMENT	2023.12.15
1	SCHEMATIC DESIGN	2023.10.06
Issued/Revision		YYYY.MM.DD

Permit/Seal

**PRELIMINARY
NOT FOR
CONSTRUCTION**

Scale As indicated
Project No. 218421418

EXTERIOR ELEVATIONS

A-201

<Pick location in Project Information>
3/7/2024 2:23:48 PM
ORIGINAL SHEET - ARCH E1

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