

CITY OF RAMSEY

PUBLIC WORKS FACILITY

14199 JASPER STREET NW, RAMSEY, MN 55303

ARCH. PROJECT NO. 20-08



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CONSULTANT:

NOTES:
Project Status

Not for Construction

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PROJECT NAME:
RAMSEY PUBLIC WORKS FACILITY
CITY OF RAMSEY

14199 Jasper St NW
Ramsey, MN 55303

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR
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46485
LICENSE # DATE 06/09/17

SHEET NAME:

TITLE

REVISIONS:

No.	Date	Description

Project Number Designer

PROJECT NUMBER DATE

Author Checker

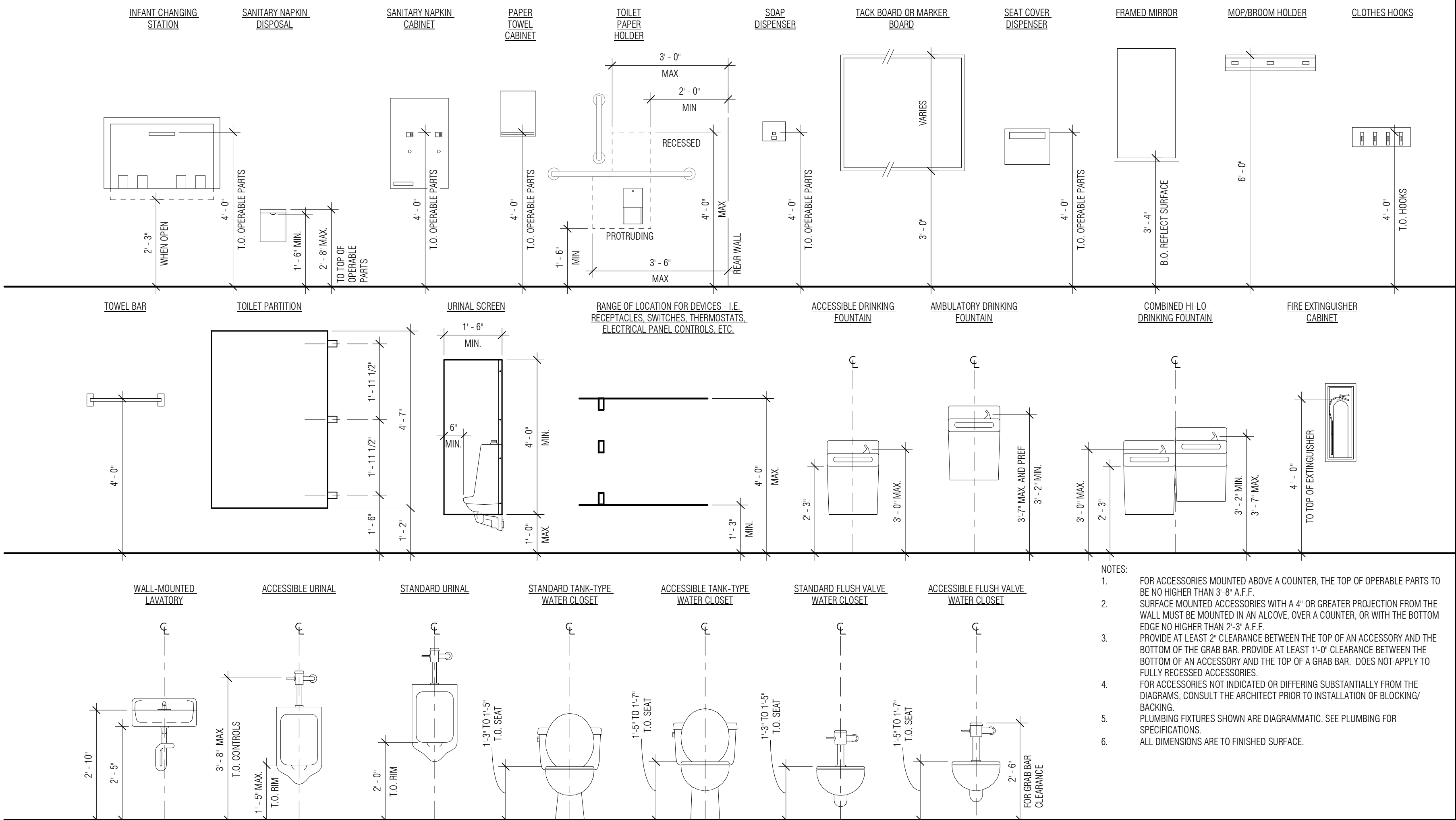
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SHEET NO:

T

MOUNTING HEIGHTS

-TOILET ACCESSORIES FURNISHED BY OWNER, INSTALLED BY CONTRACTOR-



ABBREVIATIONS

ABV	ABOVE	GA	GAUGE	RM	ROOM
ACT	ACTUATOR	GYP	GYPSUM	RO	ROUGH OPENING
ADJ	ADJUST	GYP BD	GYPSUM BOARD	SCHED	SCHEDULE
AFF	ABOVE FINISH FLOOR	HW	HARDWARE	SF	SQUARE FEET
APPROX	APPROXIMATE(LY)	HWWD	HARDWOOD	SHT	SHEET
ARCH	ARCHITECT(URAL)	ID	INSIDE DIAMETER/DIMENSION	SHIG	SHEATHING
BD	BOARD	INSL	INSULATION/INSULATED	SNL	SNAIL
BO	BOTTOM OF	INT	INTERIOR	SPEC	SPECIFICATION
BOT	BOTTOM	LAV	LAVATORY	SQ	SQUARE
CP	CAST IN PLACE	MAX	MAXIMUM	STC	SOUND TRANSMISSION CLASS
CAU	CONCRETE MASONRY UNIT	MDF	MEDIUM DENSITY FIBERBOARD	STD	STANDARD
COL	COLUMN	MECH	MECHANICAL	STRUCT	STRUCTURE/STRUCTURAL
CONC	CONCRETE	MEN	MINIMUM	T&G	TONGUE AND GROOVE
CONST	CONSTRUCTION	MIR	MIRROR	TEMP	TEMPORARY
CONT	CONTINUOUS	NA	NOT APPLICABLE	T.O.	TOP OF
CPT	CARPET	NIC	NOT IN CONTRACT	TYP	TYPICAL
DEMO	DEMOLISH	NGM	NOMINAL	UNO	UNLESS OTHERWISE NOTED
DF	DRAWING FOUNTAIN	OA	OVERALL	VB	VINYL BASE
DIV	DIVIDE/DIVISION	OC	ON CENTER	VCT	VINYL COMPOSITE TILE
DWG	DRAWING	OD	OUTSIDE DIAMETER	W/O	WITHOUT
EA	EACH	OH	OVERHEAD	WO	WOOD
EFS	EXTERIOR INSULATED FINISH SYSTEM	OPP	OPPOSITE	WDW	WINDOW
ELEC	ELECTRIC/ELECTRICAL	PREFN	PREFINISHED		
ENG	ENGINEER	PLAM	PLASTIC LAMINATE		
EOP	EQUIPMENT	PLYWD	PLYWOOD	~	APPROXIMATE(LY)
ENG	ENGINEER	PREFAB	PREFABRICATED	@	AT
F	FLOOR	QTY	QUANTITY	&	AND
FF	FINISH FLOOR	RB	RUBBER SHEET	G	CENTERLINE
FFE	FINISH FLOOR ELEVATION	RCP	REFLECTED CEILING PLAN	D	DIAMETER
FIN	FINISHED	REF	REFLECTED	#	NUMBER
FO	FACE OF	REQ	REQUIRED	/	PER
FRP	FIBER REINFORCED PANEL	REV	REVISION/REVISE	±	PLUS OR MINUS

DRAWING SYMBOL SCHEDULE

	SECTION CUT SYMBOL		GRID LINE SYMBOL
	ELEVATION SYMBOL		WALL TYPE
	EXTERIOR ELEVATION SYMBOL		WINDOW TYPE
	INTERIOR ELEVATION SYMBOL		KEYNOTE
			REVISION SYMBOL

GENERAL NOTES

- THE DRAWINGS AND THE SPECIFICATIONS TOGETHER REPRESENT THE CONSTRUCTION DOCUMENTS AND, AS SUCH, MUST BE USED TOGETHER AS THE BASIS OF DESIGN. THE CONTRACTOR IS SPECIFICALLY INSTRUCTED NOT TO LIMIT THEIR UNDERSTANDING OF THE SCOPE OF THIS PROJECT BASED UPON THE SPECIFICATION OR DRAWING INDEX.
- THE CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION IN BOTH THE DRAWINGS AND THE SPECIFICATION AND IS REQUIRED TO PROVIDE ALL DEFINED, AND REASONABLY IMPLIED, SCOPE OF WORK. NO MATTER WHERE IT APPEARS IN THE CONSTRUCTION DOCUMENTS AS WELL AS ANY FORMALLY PROVIDED MODIFICATIONS, CLARIFICATIONS, ADDENDUMS AND/OR OTHER INFORMATION PERTAINING TO THE UNDERSTANDING OF THE SCOPE OF WORK.
- REFER TO ALL DRAWINGS INCLUDING ARCHITECTURAL, SITE, STRUCTURAL, FIRE PROTECTION, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND SYMBOLS.
- ALL DRAWINGS ARE OF EQUAL IMPORTANCE IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS. CONTRACTORS SHALL REVIEW ALL DRAWINGS BEFORE INSTALLATION OF THEIR WORK. SHOULD THERE BE A DISCREPANCY WITHIN AND BETWEEN THE DRAWINGS THAT WOULD CAUSE AN ANOMALY OR IMPROPER INSTALLATION, NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK.
- DO NOT SCALE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE. USE GIVEN DIMENSIONS. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT FOR CLARIFICATION BEFORE COMMENCING WORK.
- ALL EXTERIOR DIMENSIONS ARE GIVEN FROM THE EXTERIOR FACE OF MASONRY WALLS. INTERIOR DIMENSIONS ARE GIVEN TO THE FINISH FACE OF WALL, ALL WALL AND PARTITION THICKNESS ARE NORMAL. SEE WALL SECTIONS AND PARTITION TYPES FOR EXACT CONSTRUCTION. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE SLEEVED AND FLASHED AND/OR HAVE FIRE DAMPERS EQUIVALENT TO THE HOUR'S FIRE RATING OF THE CONSTRUCTION. FIRE RATINGS WILL BE IDENTIFIED WITHIN THESE DOCUMENTS.
- DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- CONTRACTORS SHALL PROVIDE STIFFENERS, BRACINGS, BACKING PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE PROPER INSTALLATION OF ALL CASEWORK, AND MISCELLANEOUS EQUIPMENT WHETHER SUCH SUPPORTS ARE SHOWN OR NOT.
- INSTALL ALL RECESSED CABINETS, PANELS, SINKS LOCATED IN FIRE RATED PARTITIONS TO MAINTAIN THE FIRE RATED CONSTRUCTION.
- GC SHALL COORDINATE ALL FIRE PROTECTION, MECHANICAL, PLUMBING AND ELECTRICAL, FLOOR, ROOF AND WALL SLEEVES AND SHAFTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS.
- REFER TO PROJECT MANUAL AND TECHNICAL SPECIFICATION TO SUPPLEMENT THESE DRAWINGS.

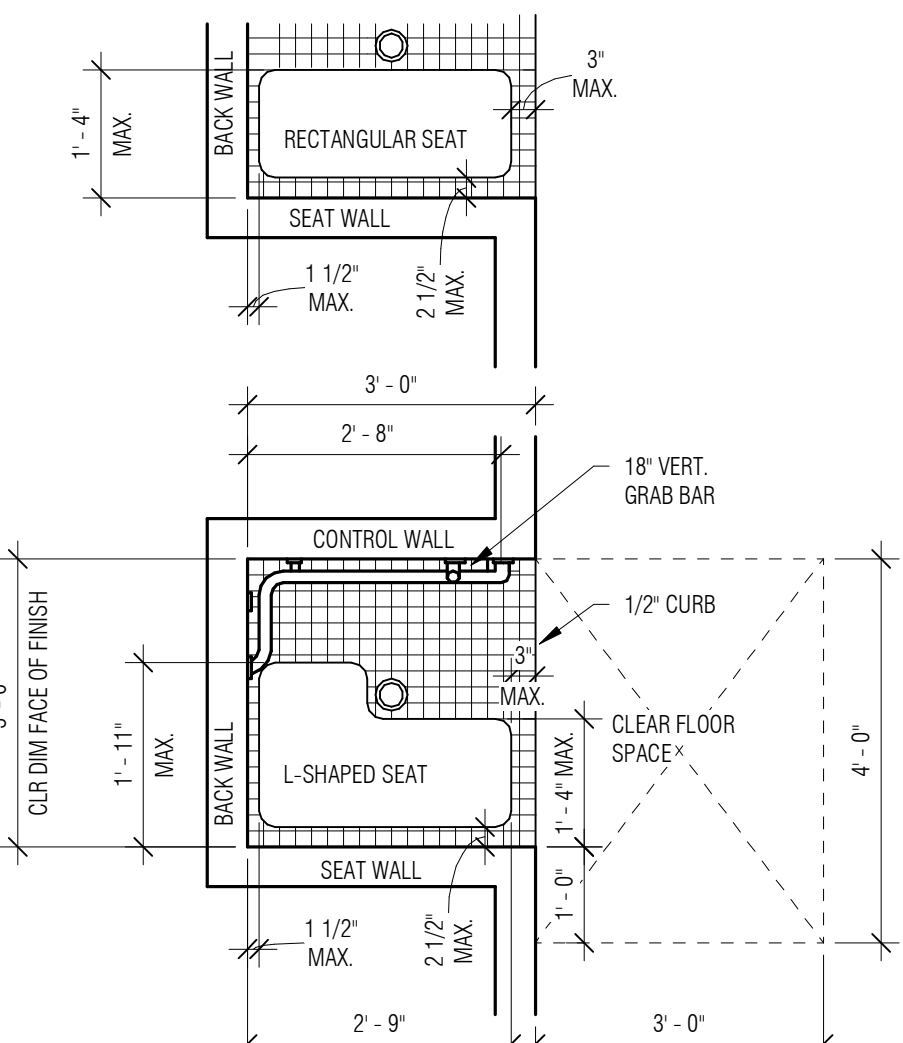
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NOTES:
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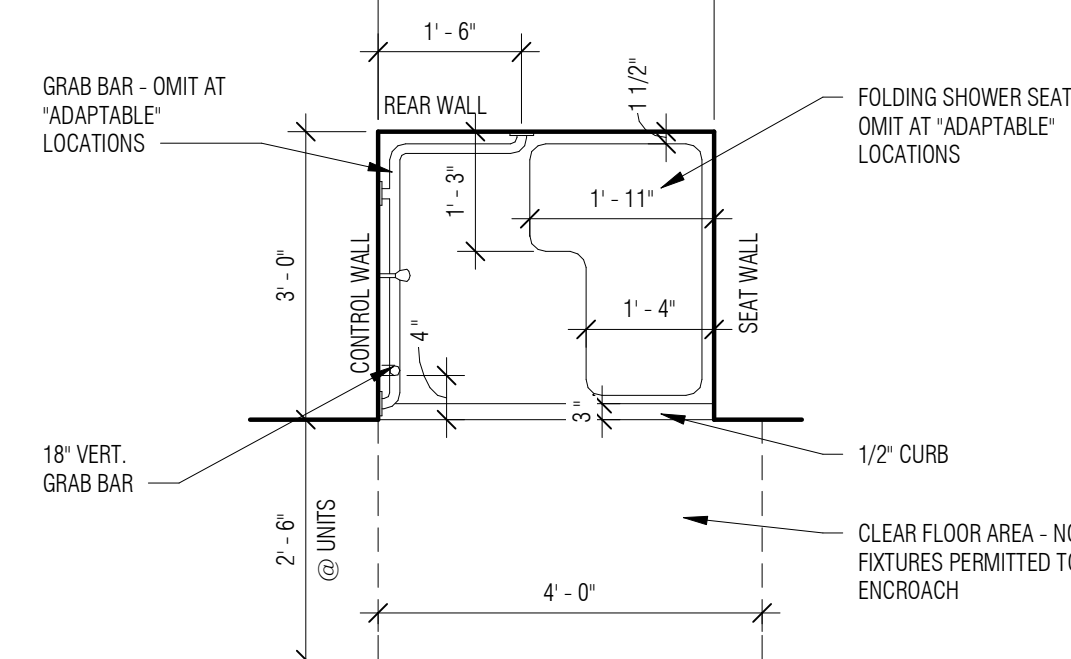
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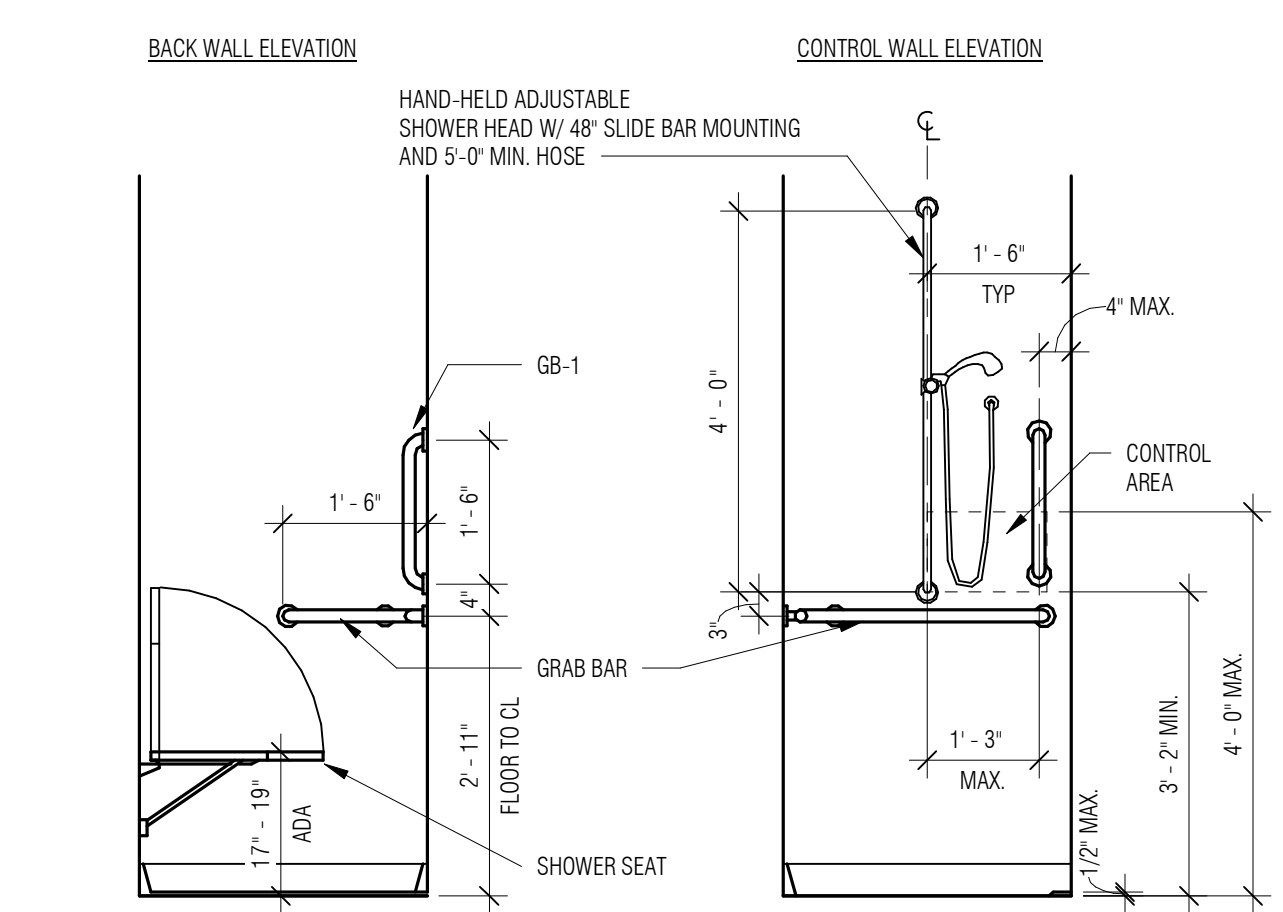
TRANSFER SHOWER PLAN



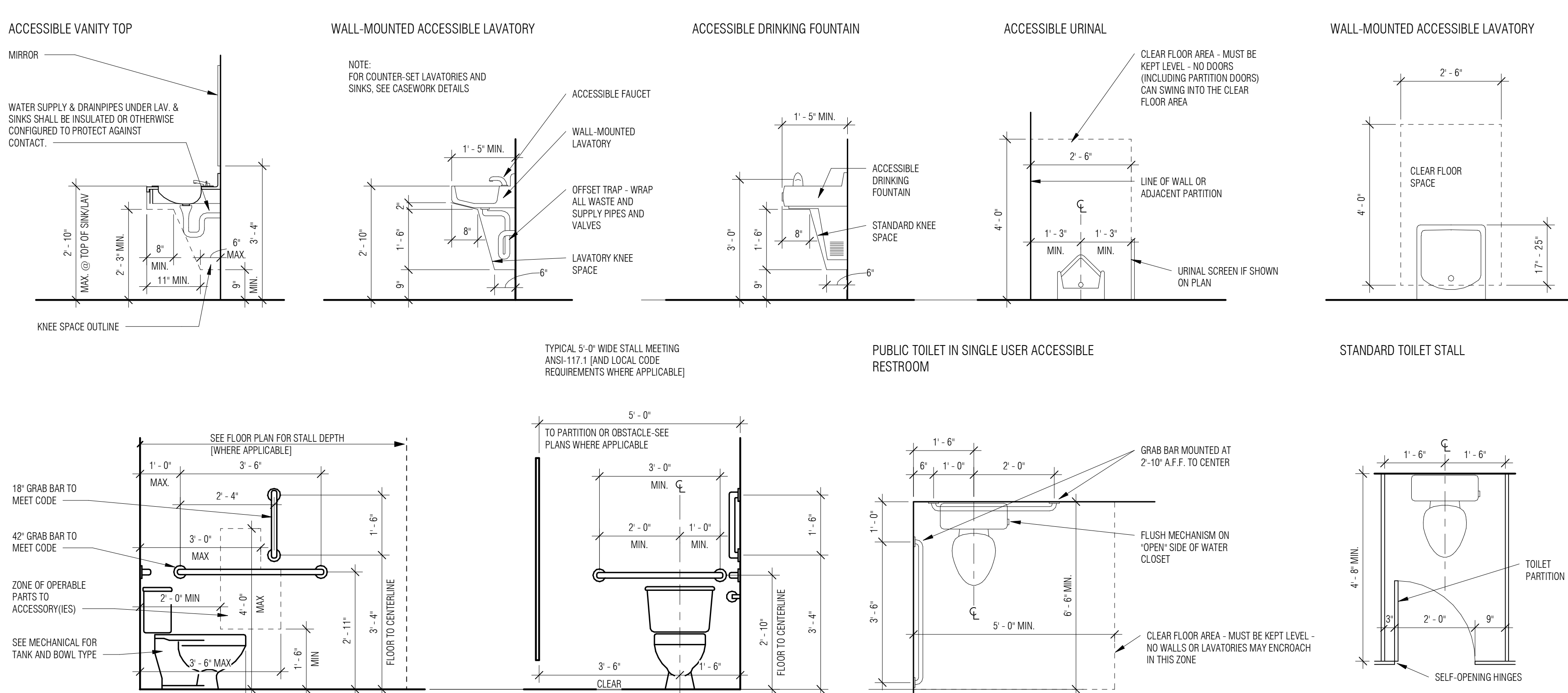
TRANSFER SHOWER



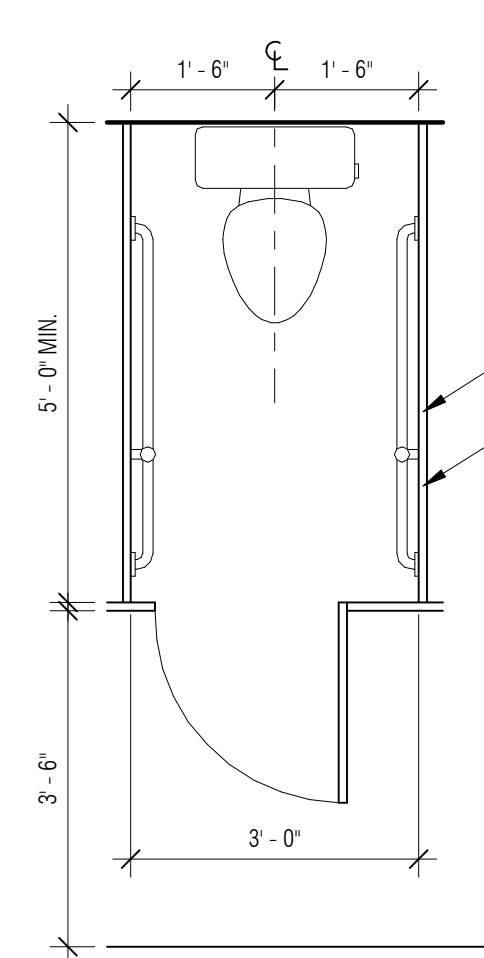
TRANSFER SHOWER ELEVATIONS



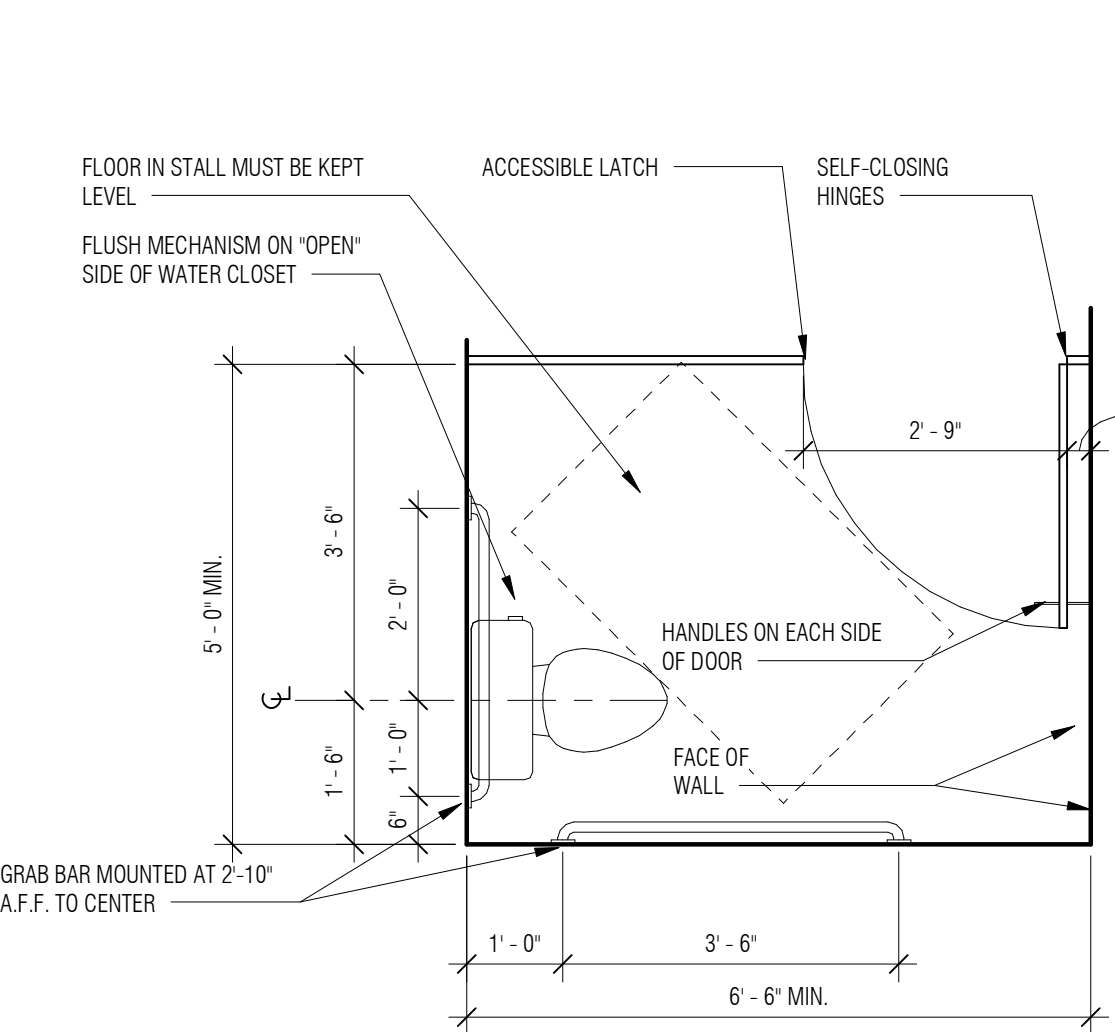
ACCESSIBLE GRAB BAR REQUIREMENTS



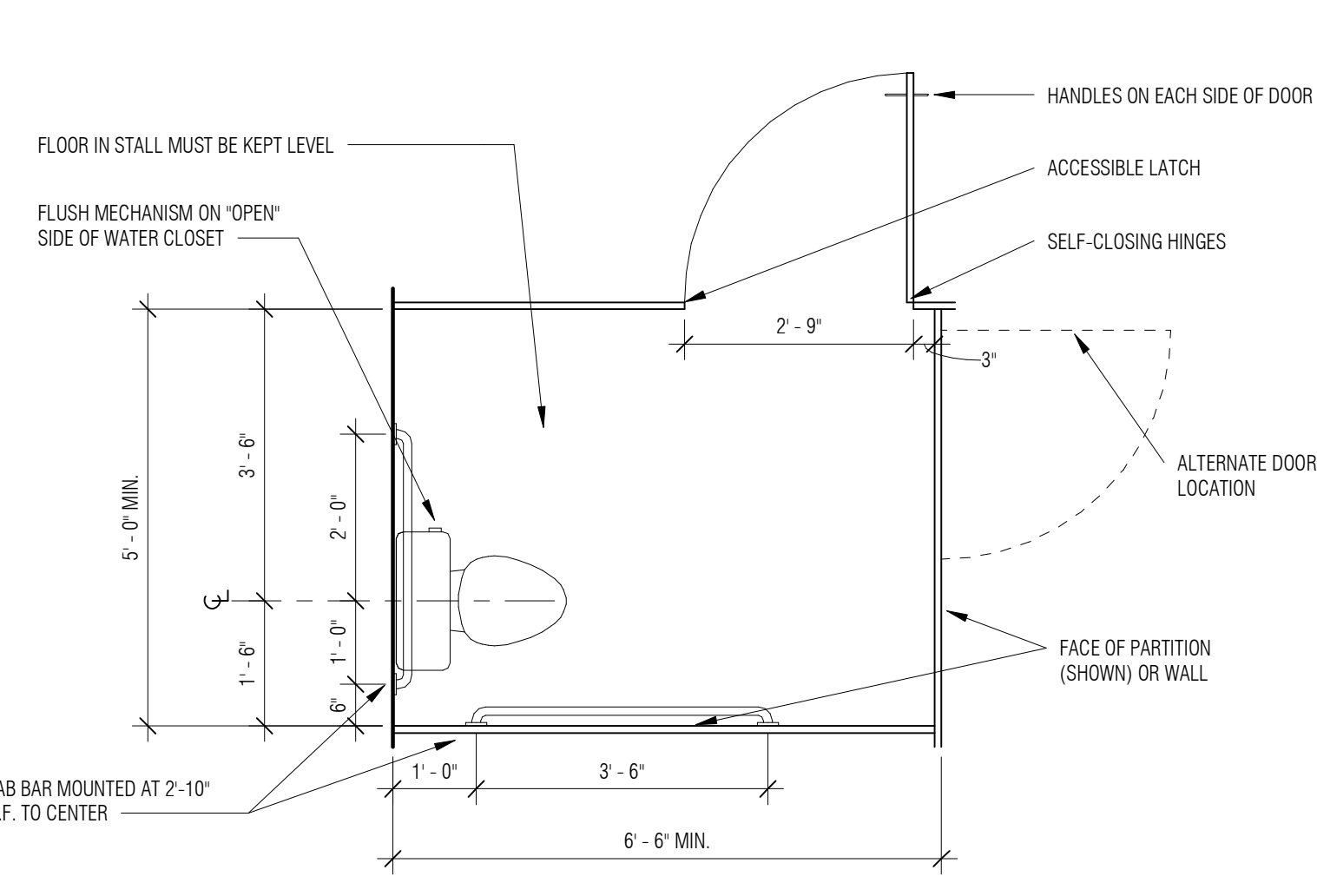
AMBULATORY TOILET STALL



ACCESSIBLE TOILET STALL WITH IN-SWINGING DOOR



ACCESSIBLE TOILET STALL WITH OUT-SWINGING DOOR



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GENERAL INFO

REVISIONS:

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Author Checker
DRAWN BY CHECKED BY

SHEET NO:

G002

APPLICABLE CODES:

2020 MINNESOTA STATE BUILDING CODE
2020 MINNESOTA MECHANICAL AND FUEL GAS CODE
2020 MINNESOTA PLUMBING CODE
MINNESOTA ELECTRICAL CODE
2020 MINNESOTA ENERGY CODE
2020 MINNESOTA FIRE CODE
2020 MINNESOTA ACCESSIBILITY CODE

FIRE SUPPRESSION:

FULL FIRE SUPPRESSION PER SEC. 903.3.1 IS PART OF THIS PACKAGE

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION:
OCCUPANCIES AND BUILDING AREA

SEC. 303 - A3 (ACCESSORY TO GROUP B) 2,181 SF
SEC. 304 - B 6,736 SF
SEC. 311 - S1 83,924 SF

INCIDENTAL OCCUPANCIES

SEC. 303 - ASSEMBLY GROUP A - ASSEMBLY AREAS MORE THAN 50 OCCUPANTS, NOT OCCUPANCY B
SEC. 303.4 - ASSEMBLY GROUP A-3

HIGH HAZARD GROUP (TABLE 307.1(1) AND 307.1(2))
"D" 100% INCREASE FOR AUTOMATIC SPRINKLER SYSTEM IS PART OF THIS PROJECT
"H" 100% INCREASE FOR STORAGE IN APPROVED CABINET, DAY BOX OR EXHAUSTED ENCLOSURE
"I" QUANTITY UNLIMITED WHEN EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM

APPLICABLE MATERIALS (TABLE 307.1(1))
COMBUSTIBLE LIQUIDS I - 120 GALLONS X 100% X 100% = 480 GALLONS
COMBUSTIBLE LIQUIDS IIB - UNLIMITED PER NOTE "I"

APPLICABLE MATERIALS (TABLE 307.1(2))
CORROSIVES - NOTE "C", IN S OCCUPANCIES - REFERENCE TABLE 414.5.2(1)

CHAPTER 4 - SPECIAL REQUIREMENTS BASED ON USE AND OCCUPANCY:

SEC. 414.1 - HAZARDOUS MATERIALS
SEC. 414.1.3 INFORMATION REQUIRED: PROVIDE HAZARDOUS MATERIAL, QUANTITY AND TYPE TO BE STORED
SEC. 414.2.1 - CONTROL AREAS
SEC. 414.2.1.1 - SEPARATED BY A FIRE BARRIER

TABLE 414.2.2 - DESIGN AND NUMBER OF CONTROL AREAS
ABOVE GRADE PLANE 1:
% OF MAX. QUANTITY - 100%
OF AREAS - 4
FIRE BARRIER RATING - 1 HR
ABOVE GRADE PLANE 2:
% OF MAX. QUANTITY - 75%
OF AREAS - 3
FIRE BARRIER RATING - 1 HR

TABLE 414.2.3(1)
CORROSIVE MAX. STORAGE, S OCCUPANCY
(LEAD ACID BATTERIES): 9,750 POUNDS "H"
"H" 100% INCREASE FOR AUTOMATIC SPRINKLER SYSTEM

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS:

SEC. 504 BUILDING HEIGHTS AND NUMBER OF STORES
OCCUPANCY GROUP - A-3
CONSTRUCTION TYPE - I-B
MAXIMUM HEIGHT - SPRINKLERED - 75 FT.
MAXIMUM STORES - SPRINKLERED - 3

OCCUPANCY GROUP - B
CONSTRUCTION TYPE - I-B
MAXIMUM HEIGHT - SPRINKLERED - 75 FT.
MAXIMUM STORES - SPRINKLERED - 4

OCCUPANCY GROUP - S-1
CONSTRUCTION TYPE - I-B
MAXIMUM HEIGHT - SPRINKLERED - 75 FT.
MAXIMUM STORES - SPRINKLERED - 3

SEC. 505 MEZZANINES AND EQUIPMENT PLATFORMS
SEC. 505.2 - MEZZANINES IN COMPLIANCE WITH SEC. 505.2 SHALL BE CONSIDERED AS PART OF THE FLOOR BELOW AND NOT CONTRIBUTE TO EITHER THE BUILDING AREA OR NUMBER OF STORES PER SEC. 503.1 AREA OF MEZZANINE DOES CONTRIBUTE TO FIRE AREA.

CLEAR HEIGHT ABOVE AND BELOW MEZZANINE SHALL BE NOT LESS THAN 7'-0"

SEC. 502.2.1 - AGGREGATE AREA SHALL NOT BE GREATER THAN ONE-THIRD (1/3) OF THE SPACE IN WHICH IT IS LOCATED

V.M. AREA - 13,509 SF
V.M. MEZZANINE - 3,872 SF = OKAY
V.S. AREA - 5,178 SF
V.S. MEZZANINE - 4,313 SF = OKAY

505.2.2 - MEANS OF EGRESS FOR MEZZANINES SHALL COMPLY WITH CHAPTER 10
EXCEPTIONS:
1. NOT REQUIRED TO BE OPEN IF OCCUPANT LOAD IS LESS THAN 10 OF THE ENCLOSED AREA.
2. NOT REQUIRED TO BE OPEN IF TWO MEANS OF EGRESS ARE PROVIDED, AND ONE LEADS TO DIRECT ACCESS TO AN EXIT.

SEC. 506 - BUILDING AREA
SEC. 506.2.1 - SINGLE OCCUPANCY, ONE STORY BUILDINGS (EQUATION 5-1)
A₁ = A + (N^{1/4})

A₁ = ALLOWABLE BUILDING AREA PER STORY (SF)
A = TABULAR ALLOWABLE AREA FACTOR PER TABLE 506.2
N = TABULAR AREA FACTOR PER TABLE 506.2 FOR NON SPRINKLERED BUILDINGS (REGARDLESS OF SPRINKLER SYSTEM)
I = AREA FACTOR INCREASE DUE TO FRONTAGE CALCULATED PER TABLE 506.3

TABLE 506.2 ALLOWABLE AREA FACTOR
A-3, TYPE I-B, ONE STORY 38,000 SF
B, TYPE I-B, ONE STORY 82,000 SF
S-1, TYPE I-B, ONE STORY 70,000 SF

SEC. 506.2.2 - MIXED OCCUPANCIES, ONE STORY BUILDING
PROVISIONS OF 506.1 WITH EQUATION 5-1
MEZZANINES ARE PART OF THE FLOOR BELOW, THEREFORE THEY DO NOT CONSTITUTE A SECOND STORY
EXCEPTION: WHERE A BUILDING MEETS REQUIREMENTS OF 507 WITH A 60'-0" YARD OR PUBLIC WAY, W SHALL NOT EXCEED 60'-0"

SEC. 506.3.3 AMOUNT OF INCREASE
EQUATION 5-5) I = (P-0.25)/W/30
I = (13,509/(1,365)) / (0.25) / 30/30
I = 1.25

I = AREA INCREASE DUE TO FRONTAGE
F = BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVE 20'-0" OPEN MIN. WIDTH
P = PERIMETER OF ENTIRE BUILDING (FT)
W = WIDTH OF PUBLIC WAY OR OPEN SPACE (FT)

A-3 OCCUPANCY
A₁ = A + (N^{1/4})
A₁ = 38,000 + (9,300dx)^{1/4}
A₁ = 45,125 SF

B OCCUPANCY
A₁ = A + (N^{1/4})
A₁ = 82,000 + (23,000dx)^{1/4}
A₁ = 109,250 SF

S-1 OCCUPANCY
A₁ = A + (N^{1/4})
A₁ = 70,000 + (17,500dx)^{1/4}
A₁ = 83,125 SF

MODIFIED ALLOWABLE BUILDING AREA
A-3 45,125 SF
B 109,250 SF
S-1 83,125 SF

PROPOSED BUILDING AREAS
A-3 2,181 SF = OKAY
B 6,736 SF = OKAY
S-1 83,924 SF = NOT OKAY
TOTAL 92,841 SF

SEC. 507 - UNLIMITED AREA BUILDINGS
SEC. 507.4 - AREAS OF B AND S OCCUPANCIES WITH NO MORE THAN ONE STORY SHALL NOT BE LIMITED WHERE AN AUTOMATIC SPRINKLER SYSTEM IS PROVIDED AND PUBLIC WAY OR YARD OF 60'-0" OR MORE.

SEC. 507.6 - GROUP A-3, TYPE I-B CONSTRUCTION SHALL NOT BE LIMITED CONSIDERING:
- NO STAGE IS PRESENT (OTHER THAN A PLATFORM)
- BUILDING HAS FULLY AUTOMATIC FIRE SUPPRESSION
- BUILDING SHALL BE SURROUNDED BY 60'-0" PUBLIC WAY OR YARD

SEC. 508 - MIXED USE AND OCCUPANCY

SEC. 508.2.4 - NO SEPARATION OF IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES AND MAIN OCCUPANCY OF THE BUILDING OR OCCUPANCY OF PORTION OF BUILDING IN WHICH IT IS LOCATED
TABLE 508.4 - REQUIRED SEPARATION OF OCCUPANCIES
OCCUPANCY SEPARATION
B, S-1 NO SEPARATION REQ.
A, B-S-1 1HR

SEC. 508.4.2 - SUM OF RATIO OF ACTUAL/ALLOWABLE BUILDING AREA SHALL NOT EXCEED 1.0

SEC. 509 - INCIDENTAL USES

SEC. 509.2 - SHALL NOT BE INDIVIDUALLY CLASSIFIED PER TABLE 302.1
SEC. 509.3 - SHALL NOT OCCUPY MORE THAN 10% OF BUILDING AREA FOR FLOOR LOCATED
SEC. 509.4.1 - SEPARATION PER TABLE 508; FIRE BARRIER PER TABLE 707

TABLE 509
FURNACE ROOM (EQUIPMENT > 400K BTU/HR) 1HR OR SPRINKLERED
BOILER ROOM WITH LARGEST EQUIPMENT 1HR OR SPRINKLERED
OVER 10PSI AND 10HP 1HR IN GROUP S OR B
STATIONARY STORAGE BATTERY SYSTEMS 1HR IN GROUP S OR B

CHAPTER 6 - FIRE RESISTANCE:

TABLE 601 FOR TYPE I-B - FIRE RESISTANCE RATING REQ. (HOURS)

STRUCTURAL FRAME 0
EXTERIOR BEARING WALLS 0
INTERIOR BEARING WALLS 0
EXTERIOR NON-BEARING WALLS 0
INTERIOR NON-BEARING WALLS 0
FLOOR CONSTRUCTION 0
ROOF CONSTRUCTION 0

TABLE 602 FOR TYPE I-B - FIRE RESISTANCE RATING REQ. (HOURS) FOR EXTERIOR WALLS BASED ON SEPARATION DISTANCE

DISTANCE (X FT.) CONST. TYPE S-1 A AND B
X < 5 ALL 2 1
5 <= X < 10 IIB 1 1
10 <= X < 30 IIB 0 0
X >= 30 ALL 0 0

CHAPTER 9 - FIRE PROTECTION SYSTEM:

FULLY COMPLIANT AUTOMATIC SPRINKLER SYSTEM IS PART OF THIS WORK
SEC. 909 - SMOKE CONTROL SYSTEMS
SEC. 909.1 - PASSIVE OR MECHANICAL SMOKE CONTROL SYSTEMS WHERE REQUIRED

SEC. 910 - SMOKE AND HEAT REMOVAL
SEC. 910.2.1 - GROUP S-1 - SMOKE AND HEAT VENTS OR MECHANICAL SMOKE REMOVAL PER 910.4 IF EXCEEDING 50,000 SF OF UNCOVERED AREA
SEC. 910.3.2 - SMOKE AND HEAT VENT LOCATIONS: 20' FROM LOT LINES, 10'-0" FROM FIRE BARRIERS, AND UNIFORMLY LOCATED
SEC. 910.3.3 - SMOKE AND HEAT VENT AREA, A_{vt} = V/9000 (EQUATION 9-3)

A_{vt} = 1.18M CU FT/9000 = 131 SF OF SMOKE AND HEAT VENT

CHAPTER 10 - MEANS OF EGRESS:

SEC. 1004 - OCCUPANT LOAD
TABLE 1004.1.2 - FLOOR AREA PER OCCUPANT (APPLICABLE SPACES)

A-3 UNCONCENTRATED TABLES AND CHAIRS 15 SQT
130.4 OCCUPANTS
TOTAL ASSEMBLY A-3 131 OCCUPANTS

B (LOCKER ROOMS) 50 GROSS
958 SF
19.1 OCCUPANTS
B (BUSINESS AREAS) 130 GROSS
1,088 SF
13.2 OCCUPANTS
TOTAL BUSINESS B 33 OCCUPANTS

S-1 (VEHICLE AREAS AND MAINTENANCE) 200 GROSS
9,400 SF
47 OCCUPANTS
S-1 (ACCESSORY STORAGE, MECH. EQUIP.) 300 GROSS
18,302 SF
64.3 OCCUPANTS
S-1 (WAREHOUSE) 500 GROSS
59,511 SF
116.7 OCCUPANTS
TOTAL STORAGE S-1 230 OCCUPANTS

TOTAL BUILDING COUNT 394 OCCUPANTS

SEC. 1005 - MEANS OF EGRESS SIZING
SEC. 1005.1 STAIRWAYS: OCCUPANT LOAD X 0.3 INCH PER OCCUPANT
SEC. 1005.3.2 OTHER COMPONENTS: OCCUPANT LOAD X 0.2 INCH PER OCCUPANT

SEC. 1006 - NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
TWO EXITS ARE REQUIRED WHERE OCCUPANT LOAD OR COMMON PATH EXCEED VALUES IN TABLE 1006.2.1
SEC. 1006.2.2.1 EGRESS BASED ON USE (BOILER AND FURNACE ROOMS): TWO EXITS IF OVER 500 SF AND 400K BTU, SEPARATED BY 1/2 LONGEST DIAGONAL

TABLE 1006.2.1 - SPACES ALLOWED WITH ONE EXIT
OCCUPANCY MAX OCCUPANT COMMON PATH W/ SPRINKLER
A 49 75
B 49 100
S 100

SEC. 1009 - ACCESSIBLE MEANS OF EGRESS
SEC. 1009.1 - ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS, WHERE MORE THAN ONE IS REQUIRED, NOT LESS THAN TWO SHALL BE PROVIDED
EXCEPTION: ONE ACCESSIBLE MEANS OF EGRESS FROM ACCESSIBLE MEZZANINE LEVEL PER SECTION 1009.3.1, 1009.4, AND 1009.5

SEC. 1009.2.1 - AN ELEVATOR IS NOT REQUIRED AT THIS LOCATION
SEC. 1009.3.1 - EXIT ACCESS STAIRWAYS PROVIDING MEANS OF EGRESS FROM MEZZANINES ARE PERMITTED AS AN ACCESSIBLE MEANS OF EGRESS
SEC. 1009.3.2 - MUST BE 48" BETWEEN HANDRAILS
EXCEPTION: 48" NOT REQUIRED IN BUILDINGS WITH AUTOMATIC SPRINKLER SYSTEM

SEC. 1010 - DOORS, GATES, AND TURNSTILES
SEC. 1010.1.1 - DOORS SHALL HAVE A MIN. CLEAR WIDTH OF 32"
SEC. 1010.1.2 - EGRESS DOORS SHALL BE PIVOTED OR SIDE-HINGED SWINGING TYPE. DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OF 50 OR MORE OCCUPANTS.

SEC. 1011 - STAIRWAYS
SEC. 1011.2 - MIN. WIDTH 44" EXCEPT WHEN OCCUPANT LOAD IS LESS THAN 50, THEN NOT LESS THAN 36"
SEC. 1011.8 - EACH FLIGHT SHALL NOT HAVE VERTICAL RISE GREATER THAN 12' BETWEEN LANDINGS
SEC. 1011.12 - UNOCCUPIED ROOFS ALLOWED ACCESS FROM SHIPS LADDER OR PERMANENT LADDER

SEC. 1017 - EXIT ACCESS TRAVEL DISTANCE
TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE (FT)
OCCUPANCY WITH SPRINKLER
A, S-1 250
B 300

"SEC. 1017.2.2 - S-1 INCREASE EXIT ACCESS DISTANCE TO 400' WHERE:
- S-1 IS ONE STORY
- MIN. HEIGHT IS 24' MIN. (VEHICLE MAINTENANCE ONLY)
- AUTOMATIC SPRINKLER SYSTEM

EGRESS PATH SCHEDULE
BUILDING AREAS AND OCCUPANCIES PATH OF EGRESS

A-3 MULTIPURPOSE ROOM
EGRESS PATH 49'-0"

B CONFERENCE ROOM
EGRESS PATH 55'-3"

B MEN'S LOCKER
COMMON PATH OF TRAVEL 57'-6"

S-1 MECH. OFFICE
EGRESS PATH 162'-6"

S-1 SIGN OFFICE
COMMON PATH OF TRAVEL 84'-11"

S-1 SIGN OFFICE
COMMON PATH OF TRAVEL 19'-6"

S-1 V.M. MEZZANINE STORAGE
EGRESS PATH 108'-0"

S-1 V.M. MEZZANINE NORTH
COMMON PATH OF TRAVEL 91'-4"

S-1 V.S. MEZZANINE SOUTH
EGRESS PATH 133'-6"

S-1 V.S. MEZZANINE SOUTH
EGRESS PATH 168'-11"

S-1 V.S. MEZZANINE STORAGE
EGRESS PATH 264'-11"

S-1 V.S. MEZZANINE STORAGE
COMMON PATH OF TRAVEL 65'-0"

S-1 VEHICLE STORAGE
COMMON PATH OF TRAVEL 114'-6"

S-1 VEHICLE STORAGE
EGRESS PATH 228'-0"

CHAPTER 29 - PLUMBING FIXTURE CALCULATION:

TABLE 2903.1 - MIN. NUMBER OF REQUIRED PLUMBING FIXTURES

OCCUPANCY A-3
REQUIRED
WATER CLOSETS
M (1/15); F (1/25)
M (87)/ F (1.19)

LAVATORIES
M & F (1/200)
M (33)/ F (33)

DRINKING FOUNTAINS
1/500
.26

SERVICE SINK
1

OCCUPANCY B
REQUIRED
WATER CLOSETS
M & F (1/25 X < 50)
M (66)/ F (66)

LAVATORIES
M & F (1/200)
M (41)/ F (41)

DRINKING FOUNTAINS
1/100
.33

SERVICE SINK
1

OCCUPANCY S-1
REQUIRED
WATER CLOSETS
M & F (1/100)
M (2.3)/ F (2.3)

LAVATORIES
M (1/100); F (1/1000)
M (2.3)/ F (2)

DRINKING FOUNTAINS
1/1000
.2

SERVICE SINK
1

TOTAL
WATER CLOSETS
9 (M) (3.83)/ F (4.15)

LAVATORIES
7 (M) (3.04)/ F (2.7)

DRINKING FOUNTAINS
SERVICE SINKS
3

TOTAL
WATER CLOSETS
9 (M) (3.83)/ F (4.15)

LAVATORIES
8 (M) (4.4)/ F (2.7) SINGLE
USE(2)

DRINKING FOUNTAINS
SERVICE SINKS
2
3

DRINKING FOUNTAINS
SERVICE SINKS
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DRINKING FOUNTAINS
SERVICE SINKS
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3

DRINKING FOUNTAINS
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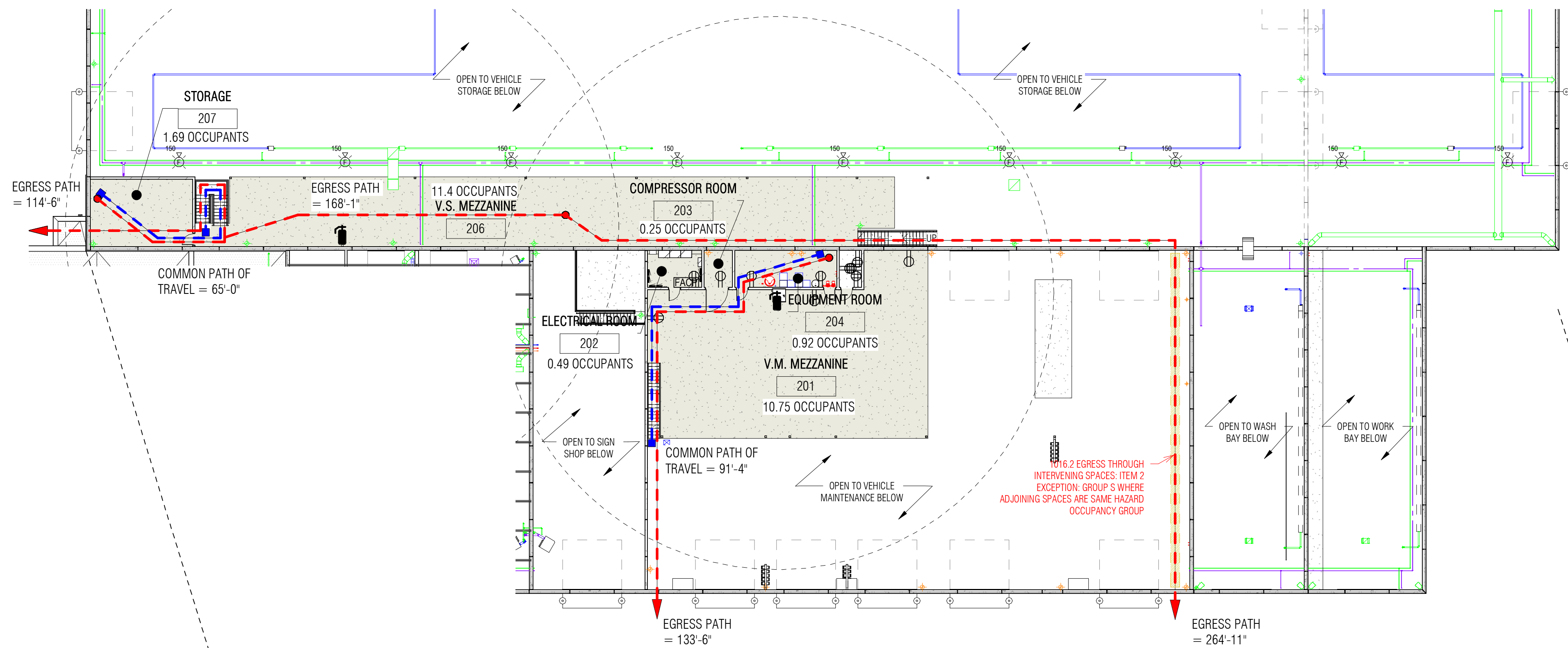
DRINKING FOUNTAINS
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DRINKING FOUNTAINS
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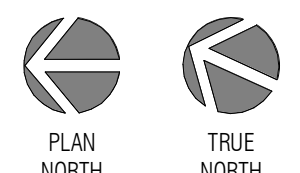
DRINKING FOUNTAINS
SERVICE SINKS
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3



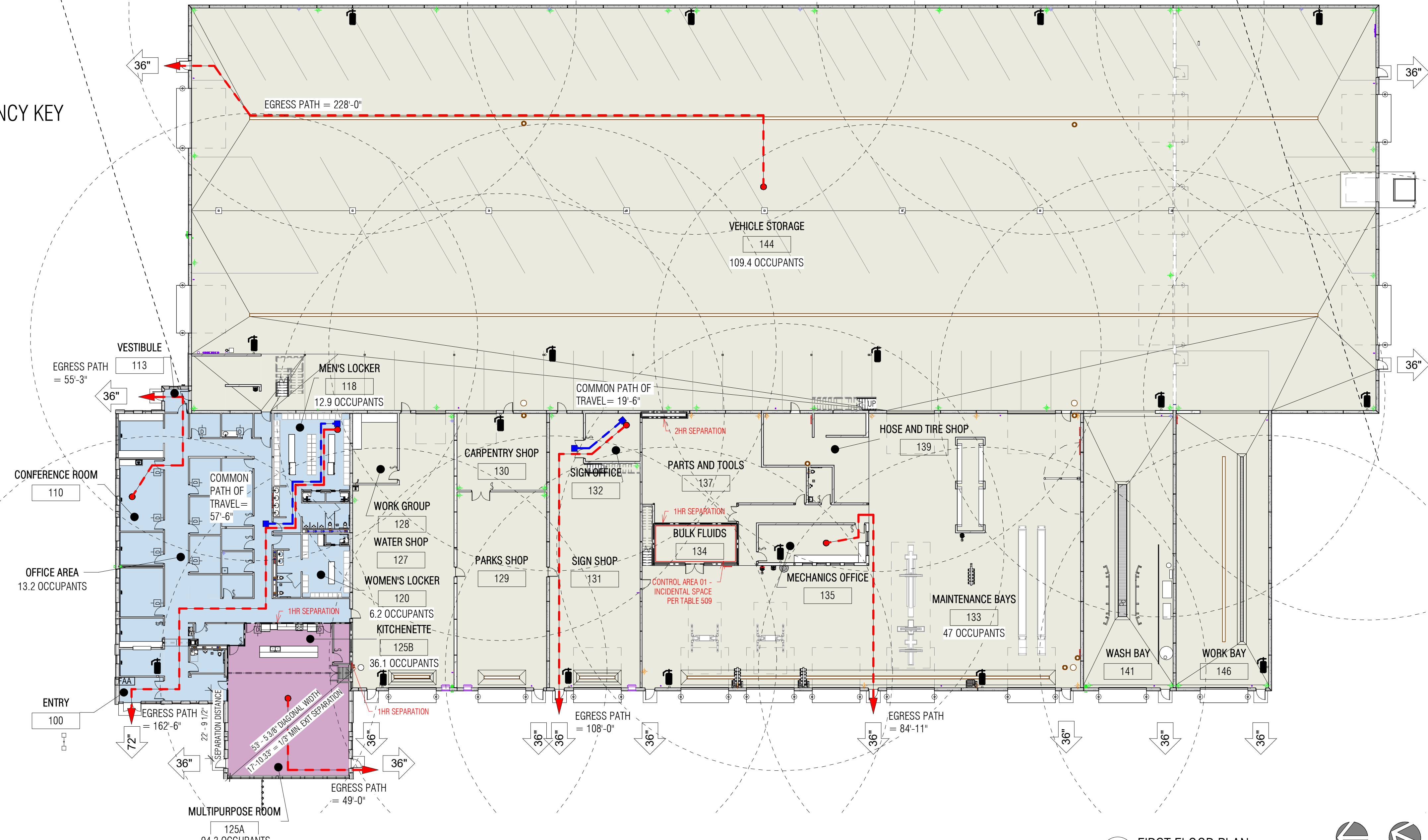
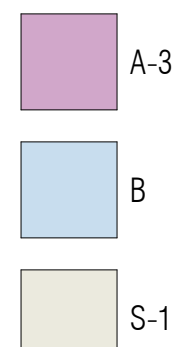
2 MEZZANINE FLOOR PLAN

CODE PLAN

3/64" = 1'-0"



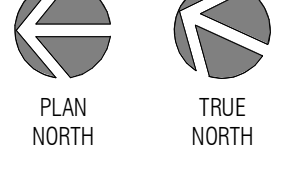
OCCUPANCY KEY



1 FIRST FLOOR PLAN

CODE PLAN

3/64" = 1'-0"



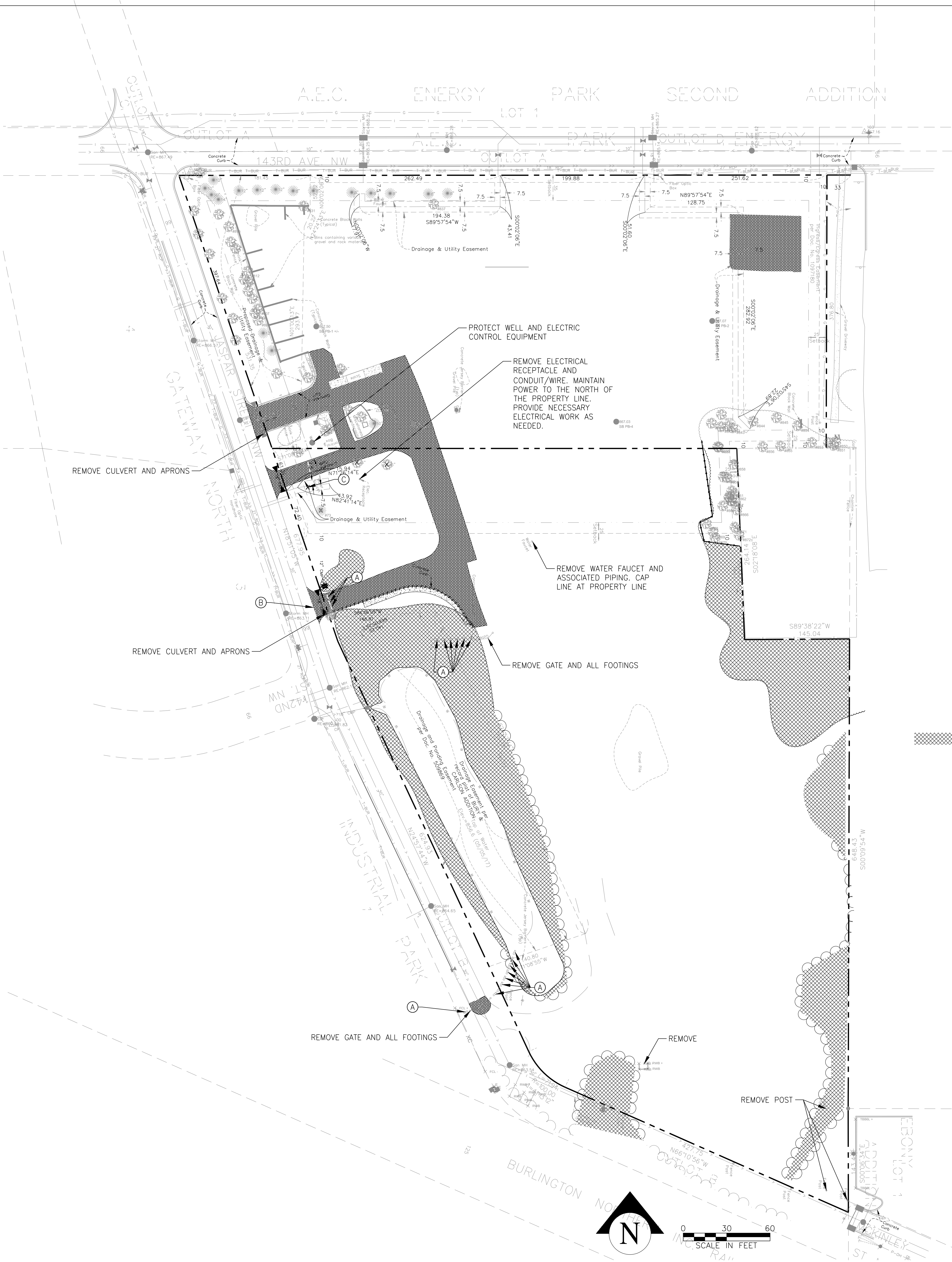
EXISTING CONDITIONS AND SITE REMOVALS NOTES:

- EXISTING CONDITIONS BASED ON SURVEY (TYPE OR TITLE) BY SURVEY FIRM, DATED 00-00-0000.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION, AND NOTIFYING THE CIVIL ENGINEER AND OWNER IMMEDIATELY OF ANY DISCREPANCIES. THIS INCLUDES, BUT NOT LIMITED TO, TOPOGRAPHY, ELEVATIONS, UTILITIES, VEGETATION, AND OTHER RELATED ITEMS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL UTILITY LOCATES. THE CONTRACTOR SHALL SUBMIT A TICKET FOR PUBLIC UTILITY LOCATES 48 HOURS PRIOR TO ANY GRADING, EXCAVATION, OR UTILITY WORK THROUGH "GOPHER STATE ONE CALL" (CSOC) AT WWW.GSOCSUBMIT.ORG, OR CALLING 811, ALONG WITH ANY FOLLOW-UP TO MISSING INFORMATION. THE CONTRACTOR MUST HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE PRIVATE UTILITIES IN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- CONTRACTOR SHALL PLACE ALL NECESSARY EROSION CONTROL MEASURES REQUIRED TO MAINTAIN SITE STABILITY PRIOR TO EXECUTING ANY SITE REMOVALS AND IMPROVEMENTS. SEE EROSION CONTROL PLAN AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND RELATED DOCUMENTS.
- CONTRACTOR SHALL COORDINATE LIMITS OF REMOVALS WITH PROPOSED IMPROVEMENTS AND FIELD VERIFY CONDITION OF EXISTING APPURTENANCES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, REPAIRING, OR REPLACING MISCELLANEOUS ITEMS (SUCH AS FENCES, SIGNS, IRRIGATION HEADS, ETC.) THAT MAY BE DAMAGED BY CONSTRUCTION. CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL. PROVIDE SAWCUT AT PAVEMENT EDGE REMOVAL. PROVIDE SMOOTH TRANSITION OF ANY REMOVAL OR IMPROVEMENTS AT DISTURBANCE EDGE. HAUL AND DISPOSE OF ALL REMOVAL ITEMS OFF-SITE.
- CONTRACTOR SHALL DEMOLISH AND REMOVE ALL ITEMS ILLUSTRATED ON THE PLANS AND OTHER ITEMS, AS NECESSARY FOR THE PROJECT AND RELATED IMPROVEMENTS. THIS INCLUDES ITEMS SUCH AS BUILDINGS, ACCESSORY STRUCTURES, FOUNDATIONS, PAVEMENTS, DEBRIS, VEGETATION, SUBSURFACE ITEMS (UTILITIES), UNDESIRED SOIL, AND OTHER RELATED ITEMS. VERIFY ALL SOIL CORRECTIONS WITH GEOTECH REPORT AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE. HAUL AND DISPOSE OF ALL REMOVAL ITEMS OFF-SITE.
- CONTRACTOR SHALL REMOVE, REPAIR AND/OR RELOCATE EXISTING PRIVATE OR PUBLIC UTILITIES AS NECESSARY, WHETHER STATED ON THE PLANS OR NOT, INCLUDING ANY RELATED PERMITS AND FEES. CONTRACTOR TO COORDINATE AND RECEIVE APPROVAL FOR ACTIVITIES WITH OWNER AND UTILITY COMPANIES BEFORE STARTING WORK.
- CLEAR, GRUB, AND REMOVE ALL TREES AND VEGETATION WITHIN THE CONSTRUCTION LIMITS, OR AS NOTED. STRIP TOPSOIL, STOCKPILE, AND REDISTRIBUTE PER GRADING PLAN.
- TREE PROTECTION FENCING SHALL BE INSTALLED AT THE DRIP LINE OF TREES TO REMAIN, OR AS ILLUSTRATED, WITHIN LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE PROJECT. NO DETRIMENTAL CONDITIONS TO OCCUR AT TREE PRESERVATION AREAS, SUCH AS STORAGE OF EQUIPMENT/MATERIALS, CHEMICAL WASH, OR EXCAVATION.
- CONTRACTOR SHALL PROVIDE ALL STAGING AND TEMPORARY TRAFFIC CONTROL FOR THE PROJECT, AS APPROVED BY THE OWNER AND GOVERNING AGENCY. PROVIDE MINIMAL DISRUPTION TO ADJACENT PROPERTIES AND STREETS, OR AS DIRECTED BY PROPERTY OWNER.
- CONTRACTOR SHALL PROVIDE TEMPORARY CONDITIONS, SUCH AS CONSTRUCTION TRAILER, TEMPORARY FENCING, AND OTHER SECURITY MEASURES FOR THE LENGTH OF THE ENTIRE PROJECT.
- ALL CONSTRUCTION PERMITS, APPLICATIONS AND FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- FOR ANY SALVAGE AND/OR REINSTALL ITEMS, CONTRACTOR TO PROVIDE ALL WORK RELATED TO RE-LOCATION (TEMP AND PERMANENT), STORAGE, AND PROTECTION.

- NOTES:
- (A) REMOVE CONCRETE BLOCK
 - (B) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)
 - (C) REMOVE TREE
 - (D)
 - (E) REMOVE LIGHTPOLE
 - (F) REMOVE BENCH AND CONCRETE PAD
 - (G) PROTECT TREE
 - (H) PROTECT INPLACE WATERMAIN
 - (I) REMOVE GRATE

REMOVAL LEGEND

- PROPERTY LINE
- [Hatched Box] REMOVE BITUMINOUS PAVEMENT
- [Dotted Box] REMOVE CONCRETE PAVEMENT
- [Cross-hatched Box] CLEAR AND GRUB (AREA)
- [X in Circle] CLEAR AND GRUB (TREE)
- [Circle with X] TREE PROTECTION
- [Sawcut Line] SAWCUT PAVEMENT (FULL-DEPTH)
- [Double Line] REMOVE CURB AND GUTTER
- [Dashed Line] LIMITS OF DISTURBANCE
- [Fencing Line] TREE PROTECTION FENCING



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NOTES

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CITY OF RAMSEY
PUBLIC WORKS FACILITY
JASPAR STREET NW
RAMSEY, MN, 55303

PROJECT NUMBER: XX-XX

DATE OF ISSUE: XXX XX, XXXX

DRAWN BY: XXX

CHECKED BY: ANC

REVISIONS

CERTIFICATION:
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE

DATE

LICENSE #

SHEET NAME

REMOVAL PLAN

SHEET NO.

C 101

SITE NOTES

1. SEE EXISTING CONDITIONS AND REMOVAL PLAN, ALONG WITH ANY RELATED SURVEYS FOR DETAILS ON PROPERTY BACKGROUND INFORMATION.
2. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION ON BUILDINGS, MONUMENT SIGNS, TRASH ENCLOSURES, AND OTHER RELATED ITEMS. VERIFY WITH ARCHITECTURAL PLANS THE EXACT BUILDING DIMENSIONS AND LOCATIONS OF EXITS, RAMPS, TRUCK DOCKS/SERVICE, AND OTHER RELATED BUILDING ITEMS.
3. SITE LIGHTING SHOWN ON PLAN IS FOR REFERENCE ONLY. REFER TO LIGHTING PLAN PREPARED BY OTHERS FOR SITE LIGHTING LOCATIONS, DETAILS AND PHOTOMETRICS.
4. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF CONCRETE, OR EXTERIOR FACE OF BUILDING, UNLESS NOTED OTHERWISE.
5. ALL CURB RADII SHALL BE 5.0 FEET (TO FACE OF CURB), UNLESS OTHERWISE NOTED.
6. ALL CURB AND GUTTER SHALL BE CONCRETE B612 UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGGERS, AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE CITY PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES IN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO APPROPRIATE MNDOT STANDARDS, OR AS APPROVED.
8. BITUMINOUS PAVEMENT AND CONCRETE SECTIONS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, OR AS NOTED. PAVEMENT AND OTHER IMPROVEMENTS TO ADHERE TO ALL AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS FOR ACCESSIBILITY, INCLUDING SLOPE. CONTACT ENGINEER IMMEDIATELY INVOLVING ANY DISCREPANCIES.
9. CONTRACTOR SHALL MAINTAIN FULL ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES.
10. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING.
11. CONTRACTOR SHALL PROVIDE ALL SITE GOVERNMENTAL PERMITS AND FEES.

SIGNAGE AND STRIPING NOTES

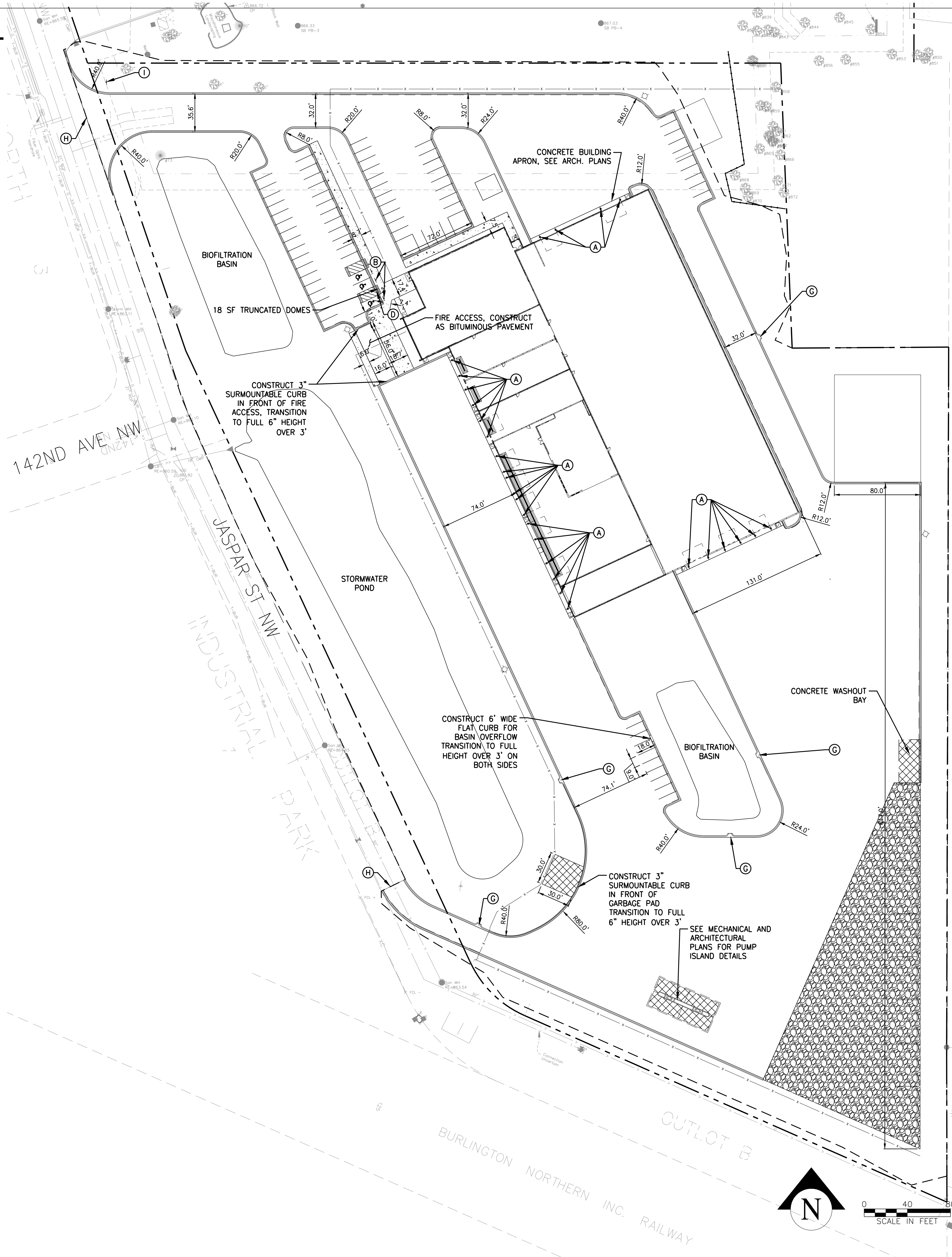
1. ALL TRAFFIC SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE STANDARDS OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), OR AS NOTED OTHERWISE.
2. PARKING LOT STRIPING SHALL BE 4" WIDE COLOR WHITE, TWO COATS OF PAINT. CONTRACTOR SHALL PAINT ANY/ALL DIRECTIONAL TRAFFIC ARROWS AS SHOWN IN WHITE (TWO COATS).
3. ACCESSIBLE PARKING SIGNS AND MARKINGS PER LATEST ADA CODE AND REQUIREMENTS. CONTRACTOR SHALL PAINT THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN EACH DESIGNATED ACCESSIBLE STALL IN BLUE BACKGROUND WITH WHITE BORDER (TWO COATS OF PAINT). CONTRACTOR SHALL PAINT THE WORDS "NO PARKING" IN EACH ACCESSIBLE ISLE ADJACENT TO AN ACCESSIBLE SPACE IN WHITE LETTERS MINIMUM 12" IN HEIGHT. SIGNS TO BE LOCATED AT THE HEAD OF THE PARKING SPACE. SEE ACCESSIBLE PARKING DETAILS.
4. ALL SIGNS SHALL INCLUDE MOUNTING HARDWARE, POST, CONCRETE FOOTING AND CASING WHERE REQUIRED. CONCRETE CASING REQUIRED IN LOCATIONS WHERE POST IS NOT PROTECTED BY CURB.
5. IF NOTED, ALL STOP SIGNS SHALL INCLUDE A 12" WIDE PAINTED STOP BAR IN WHITE PAINT (TWO COATS) PLACED AT THE STOP SIGN LOCATION, A MINIMUM OF 4' FROM CROSSWALK. ALL STOP BARS SHALL EXTEND FROM DIRECTIONAL TRANSITION BETWEEN LANES TO THE CURB.
6. ALL SIGNS SHALL BE PLACED 18" BEHIND THE BACK OF CURB, UNLESS OTHERWISE NOTED.

SITE KEY NOTES:

- (A) BOLLARD (ALSO SEE ARCH)
- (B) INSTALL ADA PARKING SIGN PER MINNESOTA BUILDING CODE (R7-8m) AND VAN ACCESSIBLE SIGN (R7-8b)
- (C) INSTALL NO PARKING SIGN (R8-3o)
- (D) FLUSH CURB (SEE GRADING PLAN FOR LIMITS)
- (E) TRANSITION FROM 0" CURB HEIGHT TO 6" CURB HEIGHT, MAX 5.0% SLOPE
- (F) TRANSITION FROM 0" CURB HEIGHT TO 6" CURB HEIGHT OVER 5'-0"
- (G) CONSTRUCT FLARED CURB OUTLETS FOR SURFACE DRAINAGE
- (H) MATCH EXISTING
- (I) INSTALL 30" STOP SIGN (R1-1)

SITE LEGEND

- PROPERTY LINE
- SETBACK LINE (PER CODE)
- 4" CONCRETE WALK
- 15" THICK AGGREGATE BASE CLASS 5
- TRUNCATED DOMES
- CURB AND GUTTER
- CURB AND GUTTER (TIP-OUT)
- CHAIN LINK FENCE WITH CONCRETE MAINTENANCE STRIP (SEE DETAIL)
- (16) PARKING SPACES PER ROW
- LIMITS OF DISTURBANCE



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SIGNATURE

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SITE PLAN

SHEET NO:

C 102

SITE NOTES

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2. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION ON BUILDINGS, MONUMENT SIGNS, TRASH ENCLOSURES, AND OTHER RELATED ITEMS. VERIFY WITH ARCHITECTURAL PLANS THE EXACT BUILDING DIMENSIONS AND LOCATIONS OF EXITS, RAMPS, TRUCK DOCKS/SERVICE, AND OTHER RELATED BUILDING ITEMS.
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4. ALL CURB TO BE B612 UNLESS OTHERWISE NOTED.
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SIGNAGE AND STRIPING NOTES

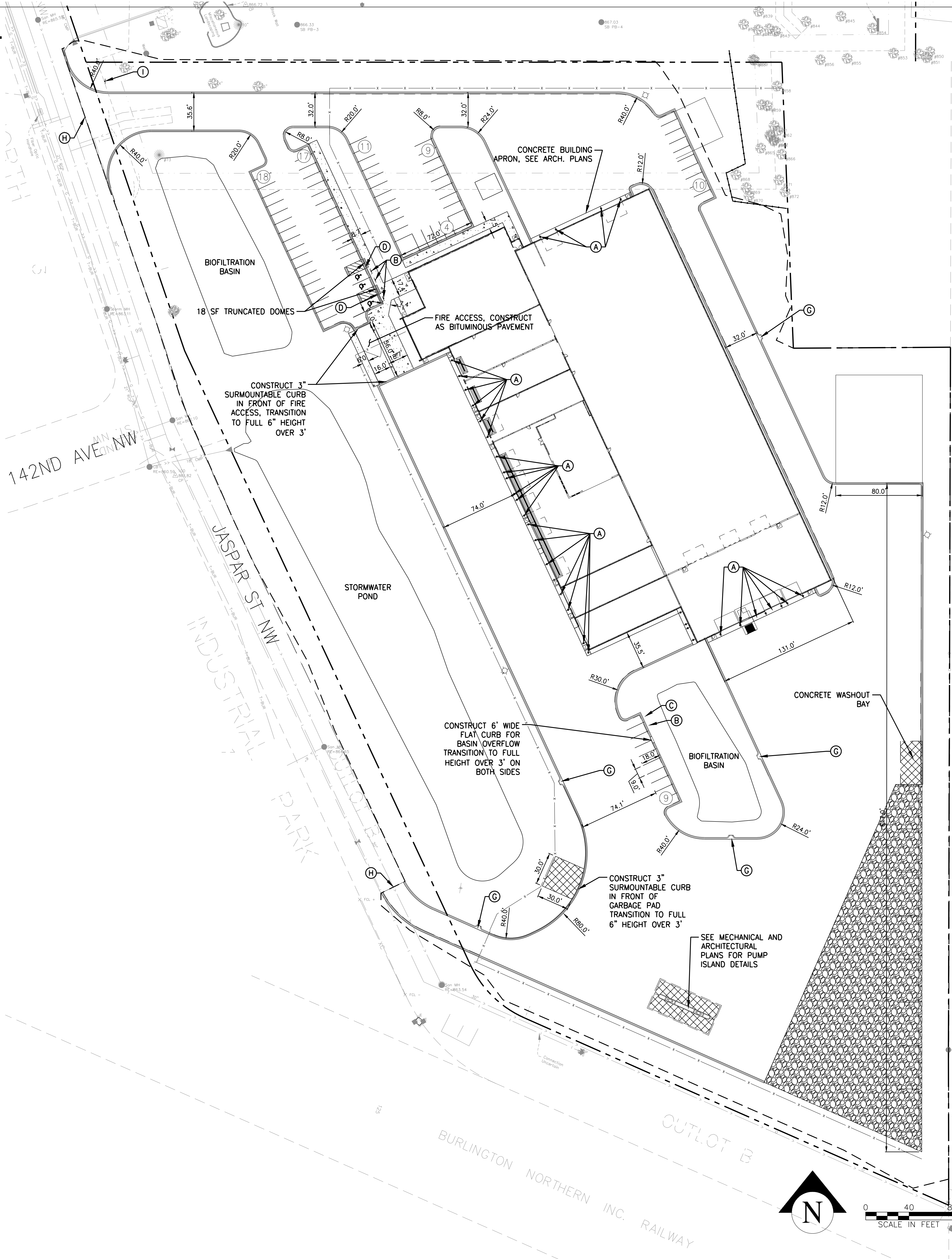
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SITE KEY NOTES:

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- (E) TRANSITION FROM 0" CURB HEIGHT TO 6" CURB HEIGHT, MAX 5.0% SLOPE
- (F) TRANSITION FROM 0" CURB HEIGHT TO 6" CURB HEIGHT OVER 5'-0"
- (G) CONSTRUCT FLARED CURB OUTLETS FOR SURFACE DRAINAGE
- (H) MATCH EXISTING
- (I) INSTALL 30" STOP SIGN (R1-1)

SITE LEGEND

- PROPERTY LINE
- SETBACK LINE (PER CODE)
- 4" CONCRETE WALK
- TRUNCATED DOMES
- CURB AND GUTTER
- CURB AND GUTTER (TIP-OUT)
- CHAIN LINK FENCE
- PARKING SPACES PER ROW
- LIMITS OF DISTURBANCE
- TREE PROTECTION FENCING



OERTEL
ARCHITECTS
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ST. PAUL, MN 55105
(651) 696-5186
www.oertelarchitects.com

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SIGNATURE

DATE

LICENSE #

SHEET NAME:

SITE PLAN
ADD ALTERNATE

SHEET NO.

C 103

1. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL 2. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
3. CONTRACTOR TO PROVIDE ALL WORK AND MATERIALS FOR GRADING, SUBSOIL CORRECTIONS (IMPORT/EXPORT), RETAINING WALLS, TOPSOIL, EROSION CONTROL AND OTHER RELATED ITEMS.
4. SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
5. CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
6. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 4 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE MAINTAINED/WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. STRIP, STOCKPILE, AND REDISTRIBUTE EXISTING TOPSOIL, AS AVAILABLE.
7. FOR SITE RETAINING WALLS "TW" EQUALS SURFACE GRADE AT TOP FACE OF WALL (NOT TOP OF WALL), "GW" EQUALS SURFACE GRADE AT WALL GRADE TRANSITION, AND "BW" EQUALS SURFACE GRADE AT BOTTOM FACE OF WALL (NOT BOTTOM OF BURIED WALL COURSES).
8. STREETS MUST BE CLEANED AND SWEEP WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
9. DUST SHALL BE ADEQUATELY CONTROLLED.
10. ALL SLOPES 1:3 (V:H) OR GREATER REQUIRED TO RECEIVE SURFACE EROSION CONTROL WHETHER IT IS INDICATED ON THE PLAN OR NOT. MAINTAIN SHEET FLOW AND MINIMIZE RILLS AND/OR GULLIES.
11. ALL STORM DRAINS AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL DISCHARGE ARE STABILIZED.
12. TEMPORARY SOIL STOCKPILES MUST HAVE EFFECTIVE SEDIMENT CONTROL AND CAN NOT BE PLACED IN SURFACE WATERS OR STORM WATER CONVEYANCE SYSTEMS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT AMOUNT OF SILT, CLAY, OR ORGANIC COMPOUNDS ARE EXEMPT EX: CLEAN AGGREGATE STOCK PILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES.
13. FINAL STABILIZATION REQUIRES THAT ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND THAT DISTURBED AREAS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH 70% OF THE EXPECTED FINAL DENSITY, AND THAT ALL PERMANENT PAVEMENTS HAVE BEEN INSTALLED. ALL TEMPORARY BMP'S SHALL BE REMOVED, DITCHES STABILIZED, AND SEDIMENT SHALL BE REMOVED FROM PERMANENT CONVEYANCES AND SEDIMENTATION BASINS IN ORDER TO RETURN THE POND/BASIN TO DESIGN CAPACITY.
14. THE WATERSHED DISTRICT OR THE CITY MAY HAVE REQUIREMENTS FOR INSPECTIONS VERIFYING PROPER CONSTRUCTION OF THE BEST MANAGEMENT PRACTICES (BMP) - THE MORE RESTRICTIVE REQUIREMENT SHALL APPLY.
15. SEE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTES AND DETAILS FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS. CONTRACTOR SHALL PROVIDE ALL REQUIRED EROSION CONTROL PERMITS/FEE'S, INSPECTORS, INSPECTIONS, AND DOCUMENTATION. PLAN REPRESENTS MINIMAL EROSION CONTROL, CONTRACTOR TO PROVIDE ADDITIONAL MEANS AND METHODS FOR THE PROJECT AS NECESSARY TO MAINTAIN COMPLIANCE.
16. CONTRACTOR TO PROVIDE ALL SUBGRADE SOIL CORRECTIONS, INCLUDING REMOVAL OF SUBGRADE DEBRIS, FOR PROJECT IMPROVEMENTS SUCH AS BUILDING, PAVEMENT, UTILITY, RETAINING WALLS, AND OTHER RELATED ITEMS. REFER TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT FOR ANY ADDITIONAL SITE PREPARATION INFORMATION OR REQUIREMENTS.
17. IF GROUND WATER IS PRESENT IN THE EXCAVATION, OR IF THE EXPOSED SOILS ARE WET AND UNSTABLE, CONTACT THE OWNER OR ENGINEER FOR A RECOMMENDATION FROM THE GEOTECHNICAL ENGINEER.
18. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING ACTIVITIES AND SHALL MAINTAIN SAID MEASURES FOR DURATION OF CONSTRUCTION ACTIVITIES. UPON ESTABLISHMENT OF TURF, THE CONTRACTOR SHALL REMOVE THE EROSION CONTROL MEASURES AND DISPOSE OF OFF SITE.
19. CONTRACTOR TO PREVENT DIRT AND/OR DEBRIS FROM ENTERING STORM SEWER OR BEING TRANSPORTED OFF SITE IN AN UNCONTROLLED MANNER. CONTRACTOR TO VERIFY AT PROJECT CLOSEOUT THAT STORM SEWER SYSTEM IS CLEAR OF SEDIMENT AND/OR DEBRIS AND IS FULLY FUNCTIONAL.
20. CONTRACTOR SHALL PROVIDE REQUIRED EROSION CONTROL MONITORING, PER REQUIREMENTS AND CERTIFICATION, TO INSPECT AND DOCUMENT ALL EROSION CONTROL MEASURES WEEKLY (EVERY 7 DAYS) AND AFTER EVERY 0.5 INCH RAINFALL EVENT, PER REQUIREMENTS. CONTRACTOR TO PROVIDE CORRECTIVE MEASURES IMMEDIATELY FOR ANY NON-COMPLIANCE OBSERVATIONS.
21. ALL DISTURBED NON-PAVED AREAS SHALL RECEIVE TEMPORARY PROTECTION OR PERMANENT COVER WITHIN 14 DAYS OF DISTURBANCE OPERATIONS.
22. WHEN TRAPPED SEDIMENT REACHES 1/3 OF THE HEIGHT OF SILT FENCE, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
23. CATCH BASIN SEDIMENT FILTER SACKS SHALL BE CLEANED WHEN SEDIMENT REACHES 1/3 THE CAPACITY OF THE SACK.
24. WHEN SEDIMENT IS TRACKED ON TO PAVED SURFACES, IT SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY.
25. ANY SEDIMENT FROM THE CONSTRUCTION SITE THAT ACCUMULATES ON OR OFF THE OWNER'S PROPERTY SHALL BE REMOVED BY THE CONTRACTOR AT HIS/HER EXPENSE. ANY DAMAGE THAT OCCURS FROM THE ACCUMULATED SEDIMENT OR FROM THE CONTRACTOR'S REMOVAL OF THE SEDIMENT, SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.
26. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS AND TRENCHES." THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
27. THE CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF THE PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN. TEMPORARY STORMWATER IMPROVEMENTS SHALL BE PROVIDED UNTIL THE PERMANENT IMPROVEMENTS ARE ESTABLISHED. CONTRACTOR TO DESIGN AND SUBMIT ALL TEMPORARY STORMWATER ITEMS FOR ENGINEER APPROVAL.
28. CONTRACTOR TO PROVIDE ALL SURVEY CONSTRUCTION STAKING.

PROPOSED CONTOURS

EXISTING CONTOURS

PROPOSED SPOT ELEVATION

- TC = TOP OF CURB
- GL = GUTTER LINE/BOTTOM OF CURB
- HP/LP = HIGH/LOW POINT
- BW = FINISHED GRADE AT LOW SIDE OF WALL (DOES NOT INCLUDE BURIED WALL)
- TW = FINISHED GRADE AT HIGH SIDE OF WALL (DOES NOT INCLUDE TOP WALL COURSE OR CAP)
- ± = MATCH EXISTING, FIELD VERIFY

PROPOSED SURFACE SLOPE

SILT FENCE

BIO ROLL

INLET PROTECTION

ROCK CONSTRUCTION ENTRANCE

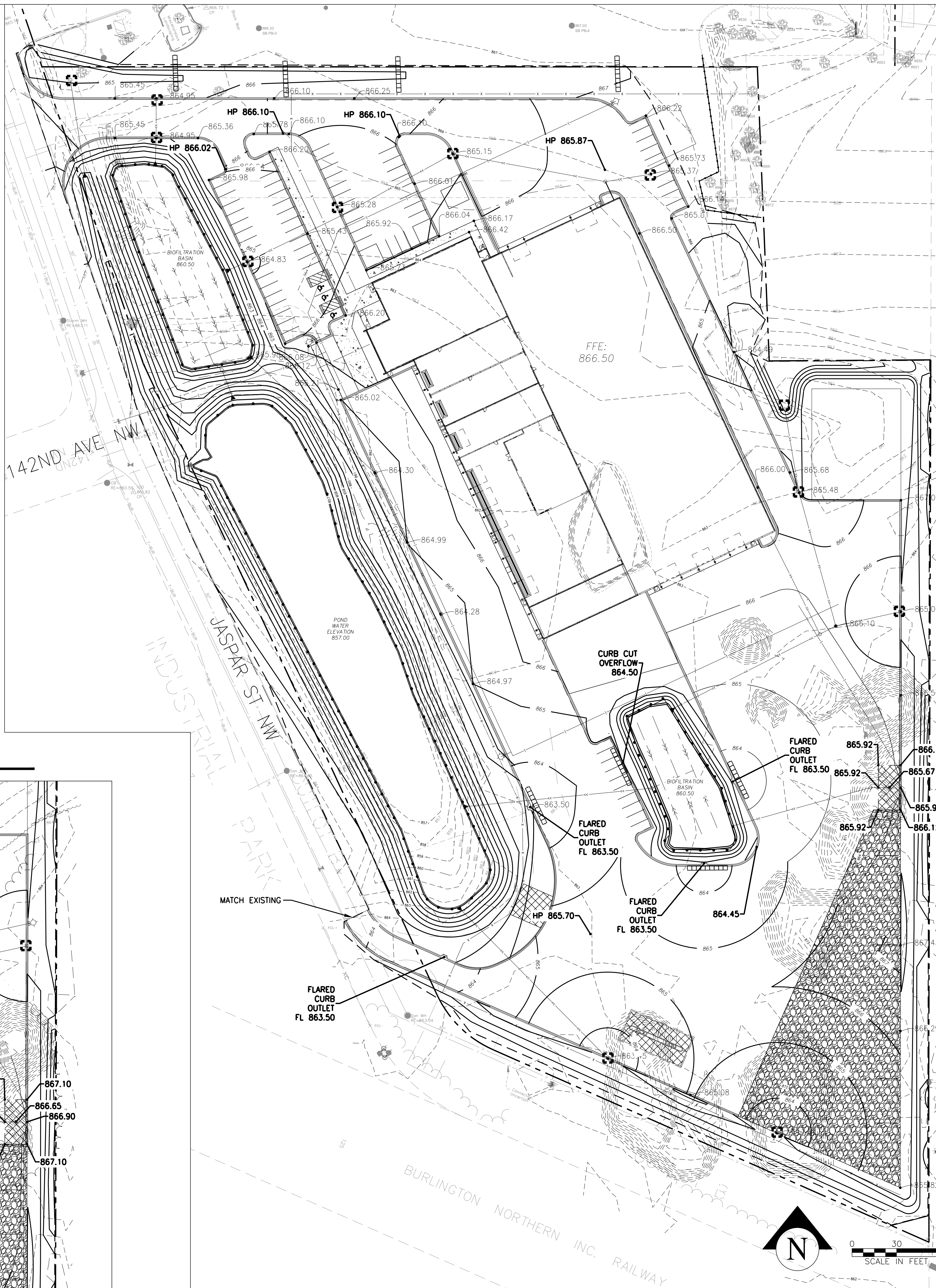
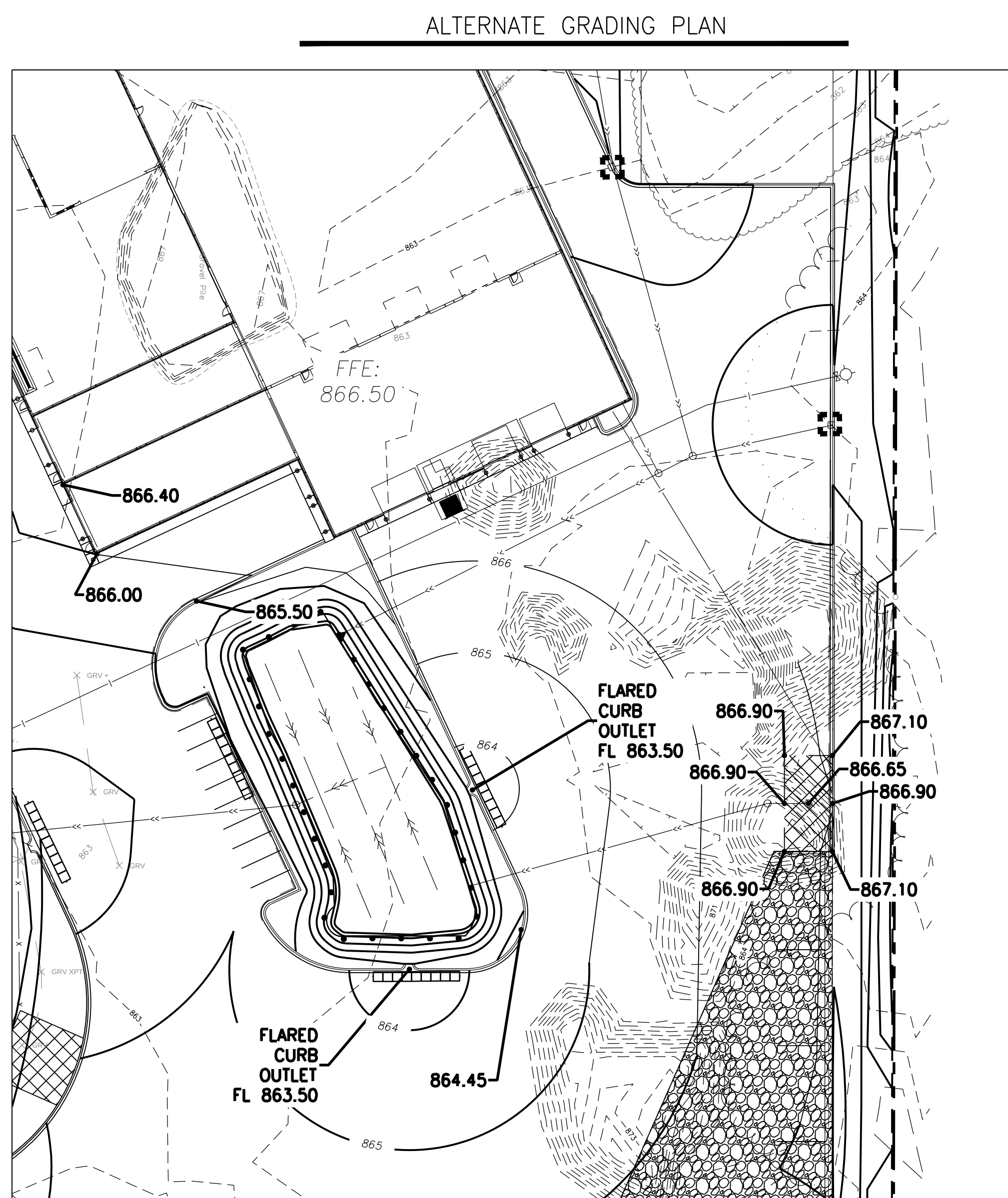
EROSION CONTROL BLANKET CAT 3

RIP-RAP

STORM SEWER (SEE UTILITY PLAN)

TIP-OUT GUTTER

LIMITS OF DISTURBANCE



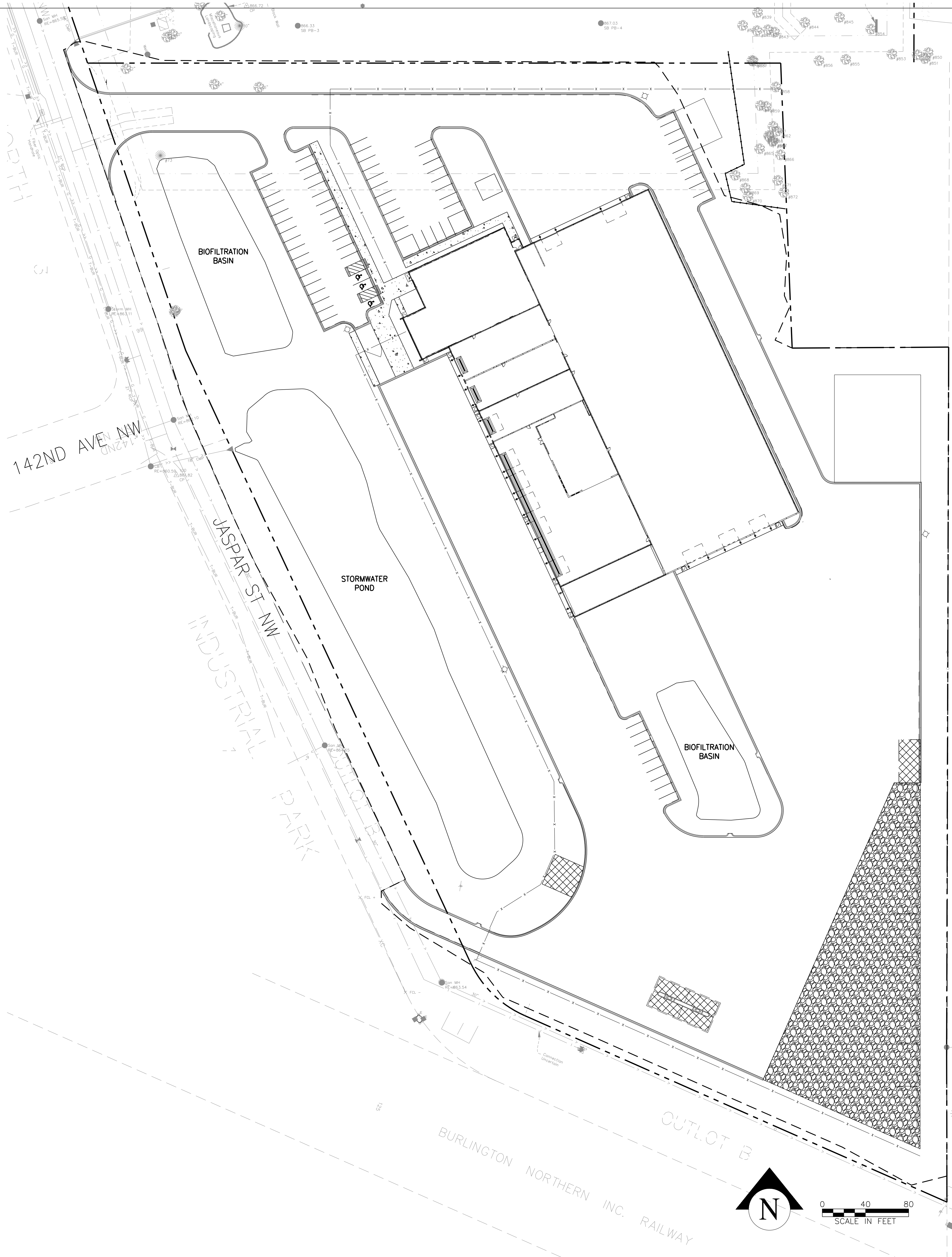
 OERTEL ARCHITECTS 1795 ST. CLAIR AVENUE ST. PAUL, MN 55105 (651) 696-5186 www.oertelarchitects.com	
CONSULTANTS	
NOTES	
50% Construction Documents Set for Pricing	
CITY OF RAMSEY PUBLIC WORKS FACILITY JASPAR STREET NW RAMSEY, MN, 55303	
PROJECT NUMBER:	XX-XX
DATE OF ISSUE:	XXX XX, XXXX
DRAWN BY:	XXX
CHECKED BY:	ANC
REVISIONS	
CERTIFICATION:	
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.	
SIGNATURE	
DATE	
LICENSE #	
SHEET NAME:	
GRADING, DRAINAGE, & EROSION CONTROL PLAN	
SHEET NO	
C 104	

STORMWATER SUMMARY

EXISTING IMPERVIOUS AREA: 4.80 ACRES
PROPOSED IMPERVIOUS AREA: 7.55 ACRES
REQUIRED FILTRATION VOLUME: 0.63 ACRE*FT
PROVIDED FILTRATION VOLUME: 0.70 ACRE*FT
BIOFILTRATION FOOTPRINT: 0.42 ACRES
EXISTING 2 YEAR OUTFLOW RATE: 2.93 CFS
PROPOSED 2 YEAR OUTFLOW RATE: 0.00 CFS (NO RUNOFF FROM SITE)
EXISTING 10 YEAR OUTFLOW RATE: 5.93 CFS
PROPOSED 10 YEAR OUTFLOW RATE: 0.00 CFS (NO RUNOFF FROM SITE)
EXISTING 100 YEAR OUTFLOW RATE: 12.67 CFS
PROPOSED 100 YEAR OUTFLOW RATE: 5.89 CFS
EXISTING 10 YR HIGH WATER ELEVATION: 862.69
PROPOSED 10 YR HIGH WATER ELEVATION: 862.31
EXISTING 100 YR HIGH WATER ELEVATION: 863.13
PROPOSED 100 YR HIGH WATER ELEVATION: 863.03
TOTAL PROPOSED POND STORAGE VOLUME: 8.68 ACRE*FT

SITE LEGEND

- PROPERTY LINE
- 4" CONCRETE WALK
- 15" THICK AGGREGATE BASE CLASS 5
- TRUNCATED DOMES
- CURB AND GUTTER
- CURB AND GUTTER (TIP-OUT)
- CHAIN LINK FENCE WITH CONCRETE MAINTENANCE STRIP (SEE DETAIL)
- PARKING SPACES PER ROW
- LIMITS OF DISTURBANCE



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CONSULTANTS

NOTES

CITY OF RAMSEY
PUBLIC WORKS FACILITY
JASPAR STREET NW
RAMSEY, MN, 55303

PROJECT NUMBER:	XX-XX
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SIGNATURE _____
DATE _____
LICENSE # _____

STORMWATER
MANAGEMENT
SUMMARY

SHEET NO.

PROJECT DESCRIPTION/LOCATION AND SCOPE

SEE COVER SHEET FOR LOCATION MAP AND PROJECT NUMBERS. THE SCOPE OF THIS PROJECT INCLUDES THE CONSTRUCTION OF THE "PROJECT" MINNEAPOLIS, MINNESOTA.

SPECIAL AND IMPAIRED WATERS
THE MISSISSIPPI RIVER IS LOCATED WITHIN 1 MILE OF THE PROJCT LIMITS, IS IMPAIRED FECAL COLIFORM, MERCURY IN FISH TISSUE, MERCURY IN WATER COLUMN, NUTRIETS, PCB IN FISH TISSUE, PFOS IN FISH TISSUE, PFOS IN WATER COLUMN, TOTAL SUSPENDED SOLIDS. THESE IMPAIRMENTS ARE CONSIDERED TO BE CONSTRUCTION RELATED PARAMETERS AND REQUIRE THE ADDITIONAL BMPS FOUND IN ITEMS 23.9 AND 23.10 OF THE NPDES PERMIT.

ENVIRONMENTALLY SENSITIVE AREAS
THERE ARE NO WETLANDS WITHIN OR ADJACENT TO THE PROJECT THAT WILL BE IMPACTED.

LONG TERM MAINTENANCE AND OPERATION
LONG TERM MAINTENANCE AND OPERATION OF THE PERMANENT STORMWATER SYSTEM WILL BE PERFORMED BY THE UNIVERSITY OF MINNESOTA.

SWPPP DEVELOPMENT AND MAINTENANCE
THIS SWPPP WAS PREPARED BY PERSONNEL WHO ARE CERTIFIED IN THE DESIGN OF CONSTRUCTION SWPPPS. COPIES OF THE CERTIFICATIONS ARE AVAILABLE UPON REQUEST. THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR PROVIDING A CERTIFIED EROSION AND SEDIMENT CONTROL SUPERVISOR WHO SHALL BE RESPONSIBLE FOR FINALIZING, CERTIFYING, AND MAINTAINING THE SWPPP DOCUMENT AND OVERSEEING THE IMPLEMENTATION OF THE SWPPP. SEE BELOW FOR ADDITIONAL REQUIREMENTS. CERTIFIED SWPPP DESIGNER CONTACT: SRF – ANDREW TOAY 763-249-6736.

SWPPP AMENDMENTS
THE SWPPP SHALL BE AMENDED WHEN:

A. THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASON HAVING A SIGNIFICANT EFFECT ON DISCHARGE OF POLLUTANTS.

B. INSPECTIONS INDICATE THE SWPPP IS NOT EFFECTIVE.

C. A WATER QUALITY STANDARD CHANGES AND THE MPCA DETERMINES THE SWPPP SHALL BE AMENDED TO COMPLY.

A DESCRIPTION OF ANY CHANGE TO THE SWPPP, ALONG WITH THE DATE AND NAME OF THE REVISION SHALL BE RECORDED AND INCLUDED WITH THE SWPPP AND RETAINED ON SITE. THE OWNER SHALL RETAIN ALL RECORDS AFTER COMPLETION OF THE PROJECT.

DRINKING WATER SOURCE MANAGEMENT AREA (DWSMA) AND KARST REGIONS
THE PROJECT IS NOT LOCATED IN A DWSMA AREA OR A KARST AREA.

SOIL TYPES
SOIL TYPES FOUND ON THIS PROJECT CAN BE CHARACTERIZED SAND AND SILTY SAND.

LAND FEATURE CHANGE
LAND FEATURE CHANGES ARE ANTICIPATED WITH THIS PROJECT TO ACCOMMODATE THE PROPOSED STREET IMPROVEMENTS, ADJACENT DRIVEWAYS, SIDEWALKS, AND PEDESTRIAN PAVALLIONS.

TOTAL DISTURBED AREA = 1.20 AC
EXISTING IMPERVIOUS AREA = 0.74 AC
PROPOSED IMPERVIOUS AREA = 0.74 AC
INCREASED IMPERVIOUS AREA = 0.00 AC

PROJECT CONTACTS
UMN PROJECT MANAGAER (OWNER) AND GENERAL CONTRACTOR (OPERATOR) ARE RESPONSIBLE FOR THE IMPLEMENTATION OF THE SWPPP AND INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED.

ORGANIZATION UNIVERSITY OF MINNESOTA	CONTACT NAME PETE NICKEL	PHONE 612-626-0861
SRF CONSULTING GROUP (CONSULTANT)	MIKE AARON	763-475-0010
MPCA DUTY OFFICER 24 HOUR EMERGENCY NOTIFICATION:		651-649-5451 800-422-0798
OVERSEER – JE DUNN	RIK MYHRE	952-833-5907
INSTALLER – JE DUNN	ERIK HERMANSON	952-830-9000

LOCATION OF SWPPP REQUIREMENTS
THE REQUIRED SWPPP ELEMENTS MAY BE LOCATED IN MANY PLACES WITHIN THE PLAN SET AS WELL AS IN THE SPECIAL PROVISIONS. CONSTRUCTION DIARIES ARE ON FILE WITH THE PROJECT OWNER. THERE MAY BE ADDITIONAL REQUIRED SWPPP ELEMENTS INCLUDED ON THE PROJECT THAT ARE NOT LISTED ON THIS SHEET. IN ADDITION, THE MINNESOTA NPDES/SDS CONSTRUCTION STORMWATER PERMIT SHOULD BE REVIEWED AND CONSULTED BY THE EROSION AND SEDIMENT CONTROL SUPERVISOR.

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITY

- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION STORMWATER PERMIT AT ALL TIMES UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE MPCA (FORM IS AVAILABLE FROM MPCA WEBSITE). THE CONTRACTOR SHALL DEVELOP A CHAIN OF COMMAND WITH ALL OPERATORS ON THE SITE TO ENSURE THAT THE SWPPP SHALL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE, THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION, AND THE NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED TO THE MPCA.
- THE CONTRACTOR SHALL PREPARE A WRITTEN, NOT ORAL, WEEKLY SCHEDULE OF PROPOSED EROSION CONTROL ACTIVITIES FOR THE PROJECT ENGINEER'S APPROVAL AS PER MNDOT SPEC. 1717.2C.

- IT IS NOT ANTICIPATED THAT THE CONTRACTOR WILL BE REQUIRED TO PERFORM BURNING OF ANY MATERIAL WITHIN PROJECT BOUNDARY. BURNING OF ANY MATERIAL IS NOT ALLOWED WITHIN PROJECT BOUNDARY.
- THE CONTRACTOR SHALL PLACE STABILIZED CONSTRUCTION EXITS, AS NECESSARY, TO PREVENT TRACKING OF SEDIMENT ONTO PAVED SURFACES AND IN COMPLIANCE WITH PART IV.C. OF THE NPDES PERMIT. STABILIZED CONSTRUCTION EXITS SHALL BE SUFFICIENTLY SIZED AND MAINTAINED TO PREVENT TRACK OUT. STABILIZED CONSTRUCTION EXITS SHALL BE INCIDENTAL.
- ALL TOPSOIL IN DISTURBED AREAS SHALL BE REMOVED AND STOCKPILED FOR LATER PLACEMENT. AVOID COMPACTION AS MUCH AS IS FEASIBLE IN ALL AREAS WHERE COMPACTION IS NOT REQUIRED FOR CONSTRUCTION. COMPACTION SHALL BE AVOIDED IN ALL AREAS DESIGNATED FOR INFILTRATION.
- DO NOT DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS. DELINEATE AREAS NOT TO BE DISTURBED PRIOR TO STARTING GROUND DISTURBING ACTIVITIES. IF IT BECOMES NECESSARY TO DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS OBTAIN WRITTEN PERMISSION PRIOR TO PROCEEDING. PRESERVE ALL BUFFERS (IF ANY) SHOWN ON THE PLANS.
- DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS AND ROUTE STORMWATER AROUND UNSTABILIZED AREAS OF THE SITE WHENEVER POSSIBLE. PROVIDE EROSION CONTROL AND VELOCITY DISSIPATION DEVICES AS NEEDED TO PREVENT EROSION AND NUISANCE CONDITIONS.
- PROVIDE STABILIZATION IN ANY TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.
- TEMPORARY DEWATERING ACTIVITIES MAY BE REQUIRED, THEREFORE, IT IS POSSIBLE THAT A PERMIT FOR THE TEMPORARY APPROPRIATION OF WATERS OF THE STATE FROM MNDNR SHALL BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THIS PERMIT (FORMS ARE AVAILABLE FROM THE MNDNR WEBSITE). ALL TEMPORARY DEWATERING SHALL BE DISCHARGED TO AN APPROVED LOCATION FOR TREATMENT PRIOR TO DISCHARGE TO THE RECEIVING WATER. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT SITE MANAGEMENT PLANS TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK ACCORDING TO SPEC 1717.2D. TEMPORARY DEWATERING SHALL BE INCIDENTAL.
- Basin draining activities of turbid or sediment laden water shall be discharged to temporary sediment basins whenever possible. In the event that it is not possible to discharge the sediment laden water to a temporary sediment basin the water shall be treated so that it does not cause a nuisance condition in the receiving waters or to downstream landowners.
- IT IS NOT ANTICIPATED THAT POLYMERS, FLOCCULANTS OR OTHER SEDIMENTATION TREATMENT CHEMICALS SHALL BE USED. HOWEVER, IF THE USE OF SUCH CHEMICALS BECOMES NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS, IT SHALL BE IN ACCORDANCE WITH PART IV.C.10. OF THE CONSTRUCTION GENERAL PERMIT.
- PERMITTEES MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN ITEM 8.4 OF THE NPDES PERMIT, AND COMPLETE THE STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.
- SEDIMENT CONTROL DEVICES SHALL BE ESTABLISHED ON AL DOWN GRADIENT PERIMETERS BEFORE ANY UP GRADIENT DISTURBING ACTIVITIES BEGIN.
- THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS SHALL BE PLACED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ONSITE. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY REMOVAL WORK AND/OR GROUND DISTURBING ACTIVITIES AND SHALL BE MAINTAINED UNTIL THE POTENTIAL FOR EROSION HAS BEEN ELIMINATED. IF SEDIMENT CONTROLS ARE OVERLOADED (BASED ON FREQUENT FAILURE OR EXCESSIVE MAINTENANCE), ADDITIONAL UPGRADIENT OR REDUNDANT BMPS SHALL BE PLACED.
- STORM SEWER INLETS SHALL BE PROTECTED AT ALL TIMES WITH THE APPROPRIATE INLET PROTECTION FOR EACH SPECIFIC PHASE OF CONSTRUCTION. PROVIDE INLET PROTECTION DEVICES WITH EMERGENCY OVERFLOW CAPABILITIES. SILT FENCE PLACED IN THE INLET GRATE IS NOT AN ACCEPTABLE INLET PROTECTION BMP FOR GRADING OPERATIONS (THIS BMP SHALL BE ACCEPTED ONLY FOR SHORT INTERVALS DURING MILLING OR PAVING OPERATIONS). INLET PROTECTION DEVICES MAY NEED TO BE PLACED MULTIPLE TIMES IN THE SAME LOCATION OVER THE LIFE OF THE CONTRACT. INLET PROTECTION DEVICES SHALL BE PAID FOR ONCE PER INLET REGARDLESS OF THE NUMBER OF TIMES THE BMP IS PLACED. ALL STORM SEWER INLET PROTECTION DEVICES SHALL BE KEPT IN GOOD FUNCTIONAL CONDITION AT ALL TIMES. IF THE PROJECT ENGINEER DEEMS AN INLET PROTECTION DEVICE TO BE NONFUNCTIONAL, IN POOR CONDITION, INEFFECTIVE OR NOT APPROPRIATE FOR THE CURRENT CONSTRUCTION ACTIVITIES IT SHALL BE REPLACED WITH A SUITABLE ALTERNATIVE AT NO COST TO THE OWNER.

POLLUTION PREVENTION NOTES

- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS REGARDING POLLUTION PREVENTION MANAGEMENT DURING CONSTRUCTION, WHICH SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING THE FOLLOWING (ITEMS LISTED ARE INCIDENTAL):
 - WASHOUT AREAS FOR CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS FOR USE BY ALL SUBCONTRACTORS AND MATERIAL TESTING PERSONNEL. LOCATION OF WASHOUT AREAS SHALL BE IDENTIFIED BY SIGNAGE AND SHALL BE AT LEAST 200 FT. FROM SITE MANAGEMENT PLAN REQUIREMENT AREAS (IF APPLICABLE) OR ENVIRONMENTALLY SENSITIVE AREAS, AND UTILIZE A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER THAT PREVENTS RUNOFF ONTO ADJACENT SOILS. AN ENGINEERED COLLECTION SYSTEM CAN ALSO BE USED IF IT IS APPROVED BY THE PROJECT ENGINEER.
 - THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE PROJECT ENGINEER FOR A CHEMICAL STORAGE AREA AND SHALL DESIGNATE AN AREA FOR FUELING AND MINOR MAINTENANCE OF CONSTRUCTION VEHICLES (INCLUDING WASHING) WITH MEANS TO CAPTURE ANY FUEL SPILLS. RUNOFF SHALL BE CONTAINED IN A TEMPORARY SEDIMENT BASIN OR OTHER EFFECTIVE CONTROL AND ALL WASTE GENERATED SHALL BE PROPERLY DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON SITE.
 - SOLID WASTE COLLECTION AND REMOVAL.
 - SECONDARY CONTAINMENT FOR STORAGE OF HAZARDOUS MATERIALS.

- SECURED HAZARDOUS WASTE STORAGE CONTAINERS
 - CHEMICAL SPILL KITS (SHALL BE PROVIDED AT EACH LOCATION WHERE CHEMICALS ARE USED OR STORED AND ANY LOCATION WHERE VEHICLES ARE FUELED OR MAINTAINED).
 - PORTABLE RESTROOM FACILITIES THAT ARE ANCHORED TO PREVENT TIPPING
- CHEMICALS SHALL BE KEPT IN A SECURE STORAGE AREA WITH RESTRICTED ACCESS IN SEALED CONTAINERS WHEN NOT IN USE. RETURN ALL CHEMICALS TO THE DESIGNATED STORAGE AREA BY THE END OF THE DAY UNLESS INFEASIBLE. CHEMICAL STORAGE CONTAINERS SHALL HAVE SECONDARY CONTAINMENT WHEN BEING USED OR STORED ON THE PROJECT SITE, AND PRODUCTS OR CHEMICALS THAT MAY LEACH POLLUTANTS SHALL BE UNDER COVER (PLASTIC SHEETING OR TEMPORARY ROOF). CHEMICAL SPILLS OF ANY KIND (OIL, FUEL, FERTILIZER, ETC.) SHALL BE CLEANED UP AND REMOVED FROM THE SITE IMMEDIATELY. THE CONTRACTOR SHALL HAVE A SPILL KIT ON SITE AT ALL TIMES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING AND FOLLOWING A WRITTEN DISPOSAL PLAN FOR ALL HAZARDOUS WASTE MATERIALS. THE PLAN SHALL INCLUDE HOW THE MATERIAL SHALL BE DISPOSED OF AND THE LOCATION OF THE DISPOSAL SITE AND SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO WORK ON SITE. LEAKS, SPILLS, OR OTHER RELEASES SHALL BE RESPONDED TO IN ACCORDANCE WITH MPCA SPILL CONTAINMENT AND REMEDIAL ACTION PROCEDURES.
 - THE CONTRACTOR SHALL USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT DISCHARGE OR PLACEMENT OF BITUMINOUS GRINDINGS, CUTTINGS, MILLINGS, AND OTHER BITUMINOUS WASTES FROM AREAS OF EXISTING OR FUTURE VEGETATED SOILS, AND ALL WATER CONVEYANCE SYSTEMS, INCLUDING INLETS, DITCHES AND CURB FLOW LINES.
 - THE CONTRACTOR SHALL USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT CONCRETE DUST, PARTICLES, SAW CUT SLURRY, PLANING WASTE AND OTHER CONCRETE WASTES FROM LEAVING PUBLIC RIGHT OF WAY, DEPOSITING IN EXISTING OR FUTURE VEGETATED AREAS OR ENTERING STORMWATER CONVEYANCE SYSTEM INCLUDING INLETS AND CURB FLOW LINES. ONSITE RELEASE OF CONCRETE SLURRY IS PERMISSIBLE IF MINNESOTA POLLUTION CONTROL GUIDANCE FOR ROAD CONSTRUCTION CONCRETE SLURRY AND THE REQUIREMENTS OF THE SPECIAL PROVISIONS ARE FOLLOWED.

EROSION CONTROL SUPERVISOR, INSPECTIONS AND MAINTENANCE NOTES

- IN ACCORDANCE WITH SPEC. 2573.3 A1, THE CONTRACTOR SHALL PROVIDE A CERTIFIED EROSION CONTROL SUPERVISOR IN GOOD STANDING WHO IS KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMPS. PROVIDE PROOF OF CERTIFICATION (UNIVERSITY OF MINNESOTA – CONSTRUCTION SITE MANAGEMENT) AT THE PRECONSTRUCTION MEETING. WORK SHALL NOT BE ALLOWED TO COMMENCE UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED. THE EROSION CONTROL SUPERVISOR IS INCIDENTAL.
- THE EROSION CONTROL SUPERVISOR SHALL WORK WITH THE PROJECT ENGINEER TO OVERSEE THE IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE MPCA.
- THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR COMPLYING WITH ALL THE INSPECTION AND MAINTENANCE REQUIREMENTS STATED IN THE NPDES PERMIT PART IV. E. INSPECTIONS OF THE ENTIRE CONSTRUCTION SITE SHALL OCCUR A MINIMUM OF ONCE EVERY SEVEN DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS (IN NO CASE SHALL THE TIME BETWEEN INSPECTIONS EXCEED 7 DAYS). RAINFALL AMOUNTS SHALL BE OBTAINED USING A PROPERLY MAINTAINED RAIN GAUGE ONSITE OR BY A WEATHER STATION THAT IS WITHIN ONE MILE. THE EROSION CONTROL SUPERVISOR SHALL THOROUGHLY INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS TO ENSURE INTEGRITY AND EFFECTIVENESS OF EACH BMP.
- ALL INSPECTIONS AND MAINTENANCE CONDUCTED DURING CONSTRUCTION SHALL BE RECORDED IN WRITING WITHIN 24 HOURS AND THESE RECORDS SHALL BE RETAINED WITH THE SWPPP. INSPECTION REPORTS SHALL BE SUBMITTED TO THE PROJECT ENGINEER AND SWPPP DESIGNER IN A FORMAT APPROVED BY THE ENGINEER. INSPECTION RECORDS SHALL INCLUDE:

- DATE AND TIME OF INSPECTIONS;
 - NAME OF PERSONS CONDUCTING INSPECTIONS;
 - FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS;
 - CORRECTIVE ACTIONS TAKEN INCLUDING DATES, TIMES, AND THE PARTY COMPLETING MAINTENANCE ACTIVITIES;
 - DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCH IN 24 HOURS;
 - LOCATION, DESCRIPTION AND PHOTO OF ANY DISCHARGES OFF THE PROJECT SITE.
 - DOCUMENTS AND CHANGES MADE TO THE SWPPP.
- THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING INSPECTION AND MAINTENANCE REQUIREMENTS (INSPECTIONS MAY BE REDUCED UNDER CERTAIN CONDITIONS AS COVER IS ESTABLISHED AND CONDITIONS CHANGE AS DESCRIBED IN PART IV. E OF THE NPDES PERMIT):
 - SILT FENCE SHALL BE REPAIRED, REPLACED OR SUPPLEMENTED WHEN IT BECOMES NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT OF THE SILT FENCE. REPAIRS SHALL BE MADE WITHIN 24 HOURS OF DISCOVERY.
 - INLET PROTECTION DEVICES SHOULD BE REPAIRED WHEN THEY BECOME NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT AND/OR DEPTH OF THE DEVICE.
 - TEMPORARY SEDIMENT BASINS, IF REQUIRED, SHALL HAVE THE SEDIMENT REMOVED ONCE THE SEDIMENT HAS REACHED 1/2 THE STORAGE VOLUME WITHIN 72 HOURS OF DISCOVERY.
 - REMOVE ANY SEDIMENT DEPOSITED IN SURFACE WATERS. SEDIMENT SHALL BE REMOVED AND ANY AREA DISTURBED BY THE REMOVAL RESTABILIZED WITHIN 7 DAYS OF DISCOVERY. A SITE MANAGEMENT PLAN IS REQUIRED FOR WORK IN ANY SURFACE WATER AND APPROPRIATE AUTHORITIES SHALL BE CONTACTED PRIOR TO COMMENCING WORK.
 - TRACKED SEDIMENT SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OF TRACKING ONTO PAVED SURFACES.
 - ALL OTHER NONFUNCTIONAL BMPS SHALL BE REPAIRED, REPLACED, OR SUPPLEMENTED WITHIN 24 HOURS OF DISCOVERY.
 - REINSTALL AS QUICKLY AS POSSIBLE ANY BMP REMOVED TO ACCOMMODATE SHORT TERM ACTIVITIES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL BMPS UNTIL WORK HAS BEEN COMPLETED, SITE HAS GONE UNDER FINAL STABILIZATION, AND THE NOTICE OF TERMINATION HAS BEEN SUBMITTED TO THE MPCA IN ACCORDANCE WITH PART II.C OF THE CONSTRUCTION GENERAL PERMIT. SEDIMENT REMOVAL AND MAINTENANCE OF BMPS IS INCIDENTAL. THE CONTRACTOR SHALL PROTECT THE BASIN FROM COMPACTION AND RUNOFF CONTAINING SILT-LADEN STORMWATER. UPSTREAM AREAS SHOULD BE STABILIZED AND TURF ESTABLISHED PRIOR TO CONSTRUCTION OF THE BASINS. BASIN AREAS SHALL NOT BE UTILIZED FOR STOCKPILES AND COMPACTION BY HEAVY EQUIPMENT MUST BE AVOIDED.
 - CLEAN OUT ALL PERMANENT STORMWATER BASINS REGARDLESS OF WHETHER USED AS A TEMPORARY SEDIMENT BASIN OR SEDIMENT TRAP TO THE DESIGN CAPACITY AFTER ALL UPGRADIENT LAND DISTURBING ACTIVITY IS COMPLETED.
 - BMP QUANTITIES
SILT FENCE
BIOLOG 164
INLET PROTECTION 6



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ARCHITECTS
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www.oertelarchitects.com

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CITY OF RAMSEY
PUBLIC WORKS FACILITY
JASPAR STREET NW
RAMSEY, MN, 55303

PROJECT NUMBER: XX-XX

DATE OF ISSUE: XXX XX, XXXX

DRAWN BY: XXX

CHECKED BY: ANC

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GRADING, DRAINAGE,
& EROSION CONTROL
PLAN

SHEET NO.

C 105

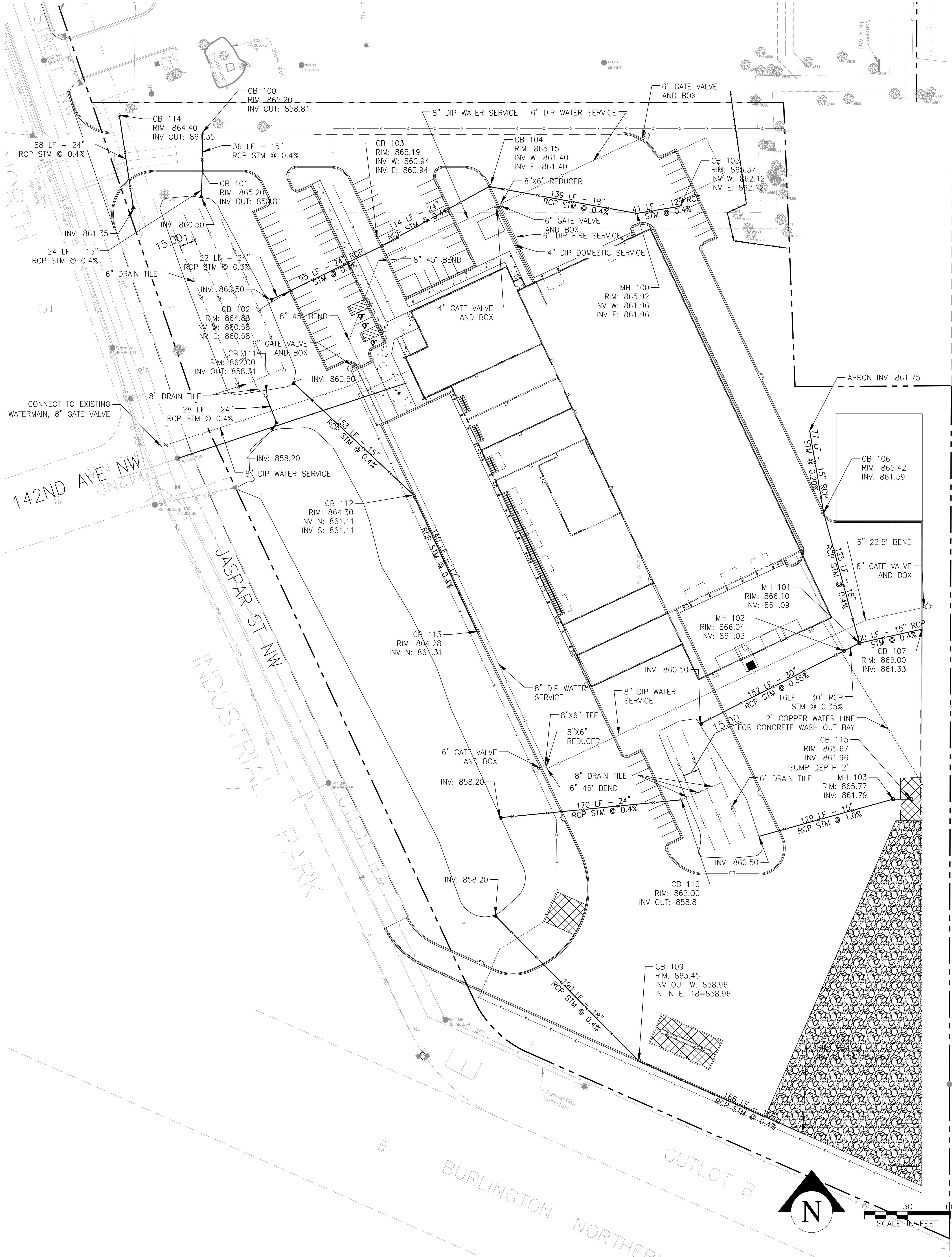
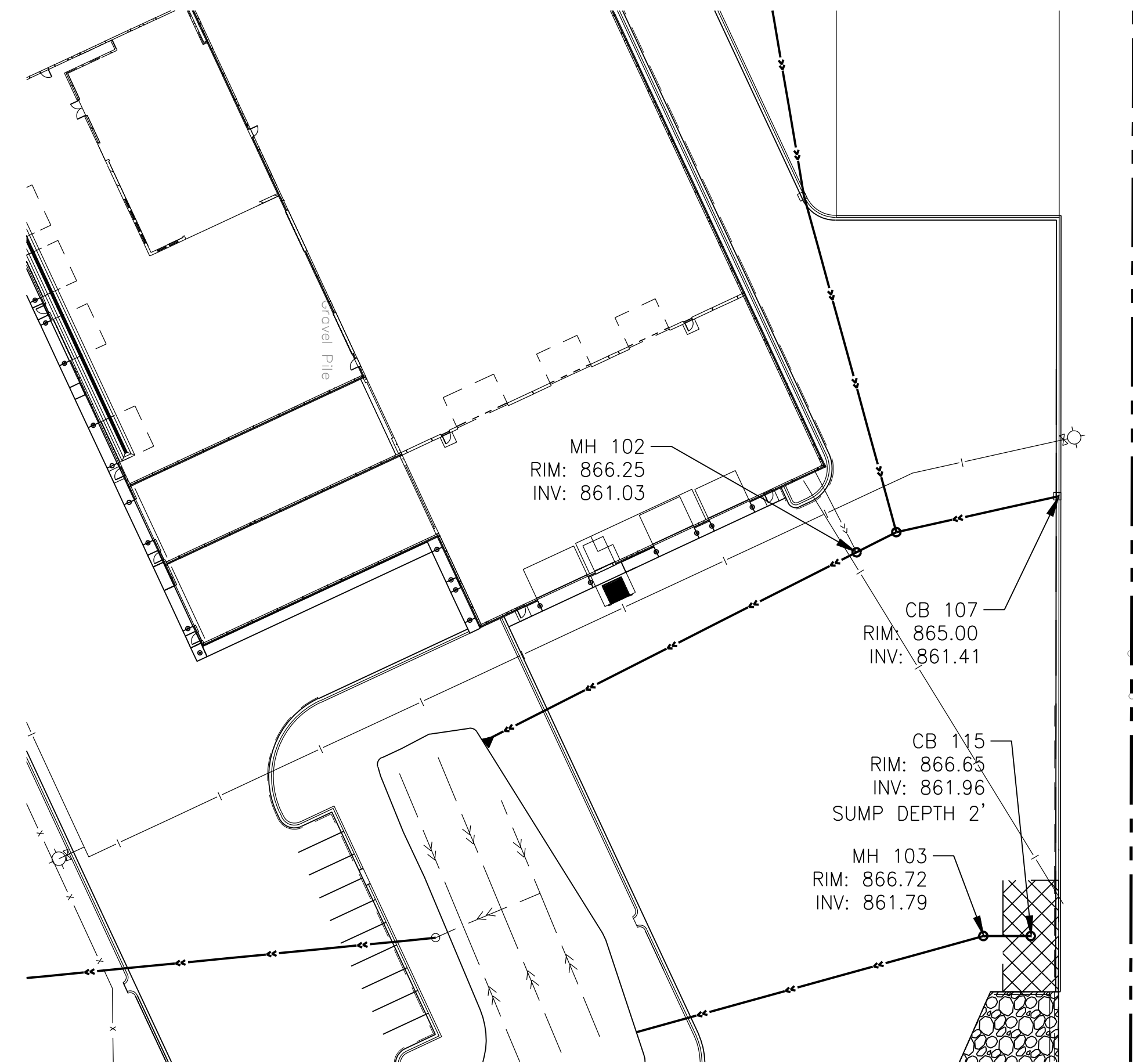
UTILITY NOTES

1. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL UTILITY LOCATES. CONTACT GOPHER SATE ONE CALL PER STATE STATUTES FOR PUBLIC UTILITY LOCATES PRIOR TO ANY EXCAVATION. THE CONTRACTOR MUST HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE PRIVATE UTILITIES IN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION.
3. SEE EXISTING CONDITIONS FOR SURVEY INFORMATION. THE ENGINEER CAN NOT BE HELD RESPONSIBLE FOR INACCURACIES RELATED TO THE SURVEY INFORMATION.
4. COMPLY WITH ALL LOCAL AND STATE REQUIREMENTS FOR UTILITY MATERIALS, INSTALLATION, AND TESTING.
5. OBTAIN ALL PERMITS OR APPROVALS FROM LOCAL UTILITY OWNERS PRIOR TO BEGINNING UTILITY INSTALLATIONS. NOTIFY UTILITY OWNERS OF THE START OF CONSTRUCTION FOR THE PROJECT AND ANY SPECIFIC UTILITY WORK AT LEAST 48 HOURS IN ADVANCE.
6. FIELD VERIFY AND COORDINATE ALL BUILDING UTILITY CONNECTIONS AND PUBLIC UTILITY SERVICE CONNECTIONS PRIOR TO CONSTRUCTION, INCLUDING LOCATION, TYPE, SIZE, AND INVERT ELEVATION. NOTIFY ENGINEER OF ANY DISCREPANCIES FROM THE PLAN FOR RESOLUTION PRIOR TO BEGINNING UTILITY INSTALLATIONS.
7. ADJUST, OR ARRANGE TO BE ADJUSTED BY UTILITY OWNER, ALL STRUCTURES, PUBLIC AND PRIVATE, TO PROPOSED GRADES WHERE DISTURBED. COMPLY WITH ALL REQUIREMENTS OF UTILITY OWNERS. STRUCTURES BEING RESET IN PAVED AREAS TO MEET OWNER'S REQUIREMENTS FOR TRAFFIC LOADING.
8. SERVICE UTILITIES, SUCH AS ELECTRIC (TRANSFORMER), GAS, TELEPHONE, CABLE, FIBER OPTIC, AND OTHER RELATED SMALL UTILITIES, MAY BE SHOWN FOR GENERAL REFERENCE AND ARE DEEMED CONCEPTUAL LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING ALL LOCATIONS OF SERVICE UTILITY CONNECTIONS AND RELATED ITEMS WITH SERVICE PROVIDERS.
9. WATERMAIN AND WATER SERVICE CONNECTIONS TO BE CLASS 52 DUCTILE IRON PIPE (DIP), UNLESS NOTED OTHERWISE. MAINTAIN 7.5" OF COVER ON ALL NEW WATERMAIN, PROVIDE WATERMAIN THRUST RESTRAINTS AT CHANGE OF DIRECTION, AND PROVIDE 18" SEPARATION BETWEEN SEWER PIPE AND ADJUST WATERMAIN VERTICALLY, AS NECESSARY, AS APPROVED BY THE ENGINEER. IF INSULATION IS REQUIRED, PROVIDE DOW STYROFOAM HI BRAND 35 OR EQUIVALENT, AT 4-INCH THICKNESS.
10. SANITARY SEWER PIPE OUTSIDE THE BUILDING SHALL BE POLYVINYL CHLORIDE (PVC) SDR35 OR 26. SDR 26 REQUIRED FOR DEPTHS GREATER THAN 15 FEET.
11. STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP), WITH R-4 GASKETS. RCP CLASS 5 FOR PIPE DIAMETERS 18" OR SMALLER, CLASS 3 FOR PIPE DIAMETERS 21" AND LARGER UNLESS OTHERWISE NOTED. POLYVINYL CHLORIDE PIPE (PVC) TO BE SCHEDULE 40. IF ALLOWED BY THE CITY, HIGH DENSITY POLYETHYLENE PIPE (HDPE) SHALL MEET REQUIREMENTS OF ASTM F2648. PIPE SHALL BE WATER TIGHT ACCORDING TO ASTM D3212 REQUIREMENTS. FLARED END SECTIONS SHALL BE RCP WITH TRASH GUARDS AND ROCK RIP-RAP.
12. ALL MANHOLE COVERS TO BE STAMPED EITHER SANITARY OR STORM SEWER.
13. PIPE LENGTHS THAT MAY BE SHOWN ARE HORIZONTALLY FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
14. SITE UTILITY SERVICES TYPICALLY TERMINATE 5 FEET FROM BUILDING, UNLESS NOTED OTHERWISE.
15. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS AND TRENCHES." THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
16. DRAIN TILE LOCATIONS AND QUANTITIES ARE APPROXIMATE AS ILLUSTRATED. FIELD VERIFY FINAL LOCATIONS.
17. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AN AS-BUILT RECORD OF UTILITY CONSTRUCTION. THE AS-BUILT SHALL INCLUDE LOCATION AND LENGTH DEVIATIONS OR CHANGES TO THE PLAN. CONTRACTOR TO VERIFY WITH OWNER OR ENGINEER WHETHER A PLAN WITH POST-CONSTRUCTION ELEVATIONS IS REQUIRED.

UTILITY LEGEND

---	PROPERTY LINE
==>==>	STORM SEWER
->->->	DRAIN TILE
->->->	SANITARY SEWER
=====	WATER MAIN
-E(UG)-	ELECTRIC (BURIED)
-E(OH)-	ELECTRIC (OVERHEAD)
-----	GAS LINE
-----	LIMITS OF DISTURBANCE
-----	DRAINAGE & UTILITY EASEMENTS
CB	STORM MANHOLE/CATCH BASIN
CB	STORM FLARED END SECTION
C.O.	CLEAN OUT (CO)
SMH	SANITARY MANHOLE
HYDRANT	HYDRANT
GV	GATE VALVE

ALTERNATE UTILITY PLAN



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UTILITY PLAN

SHEET NO.

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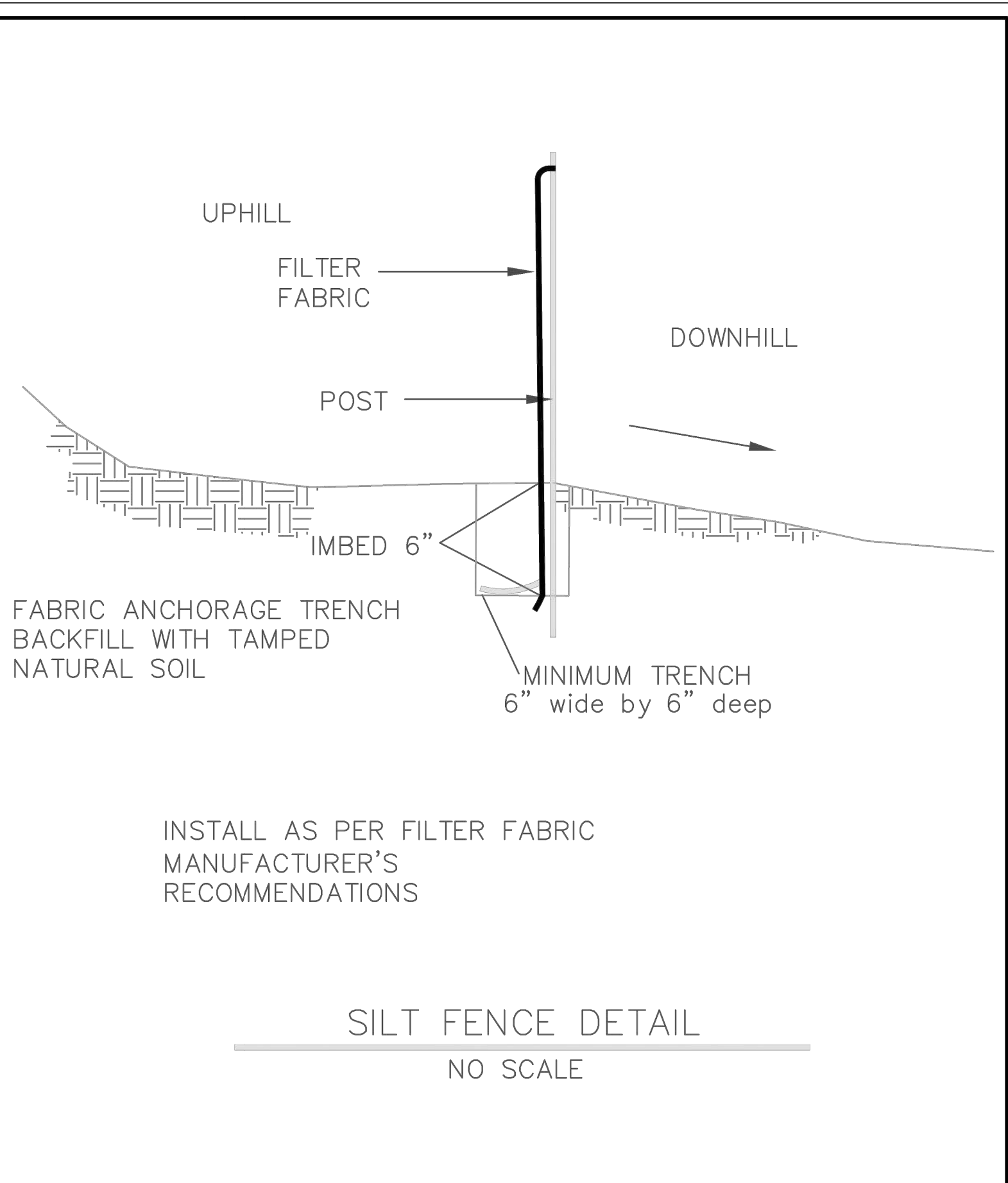
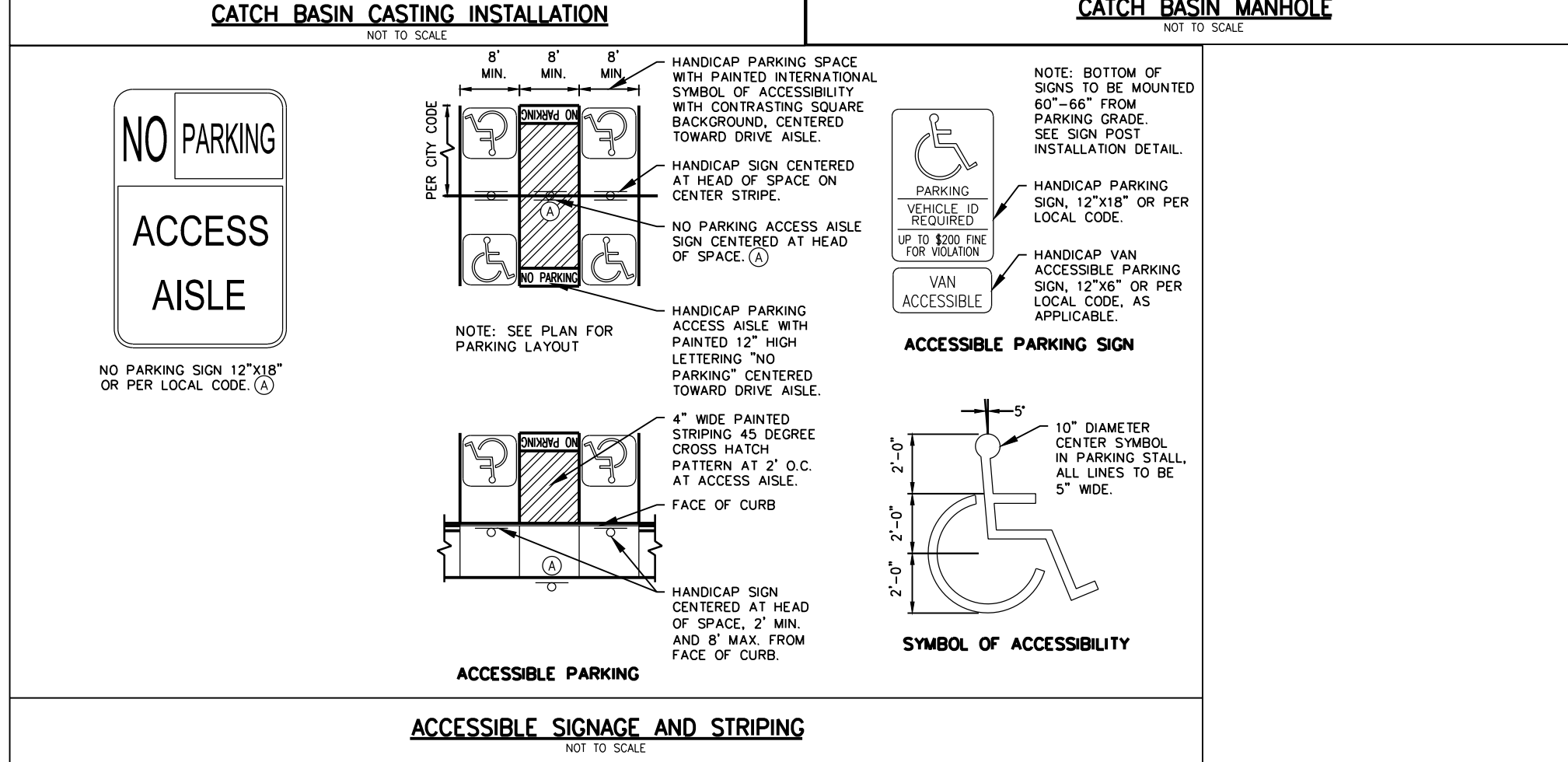
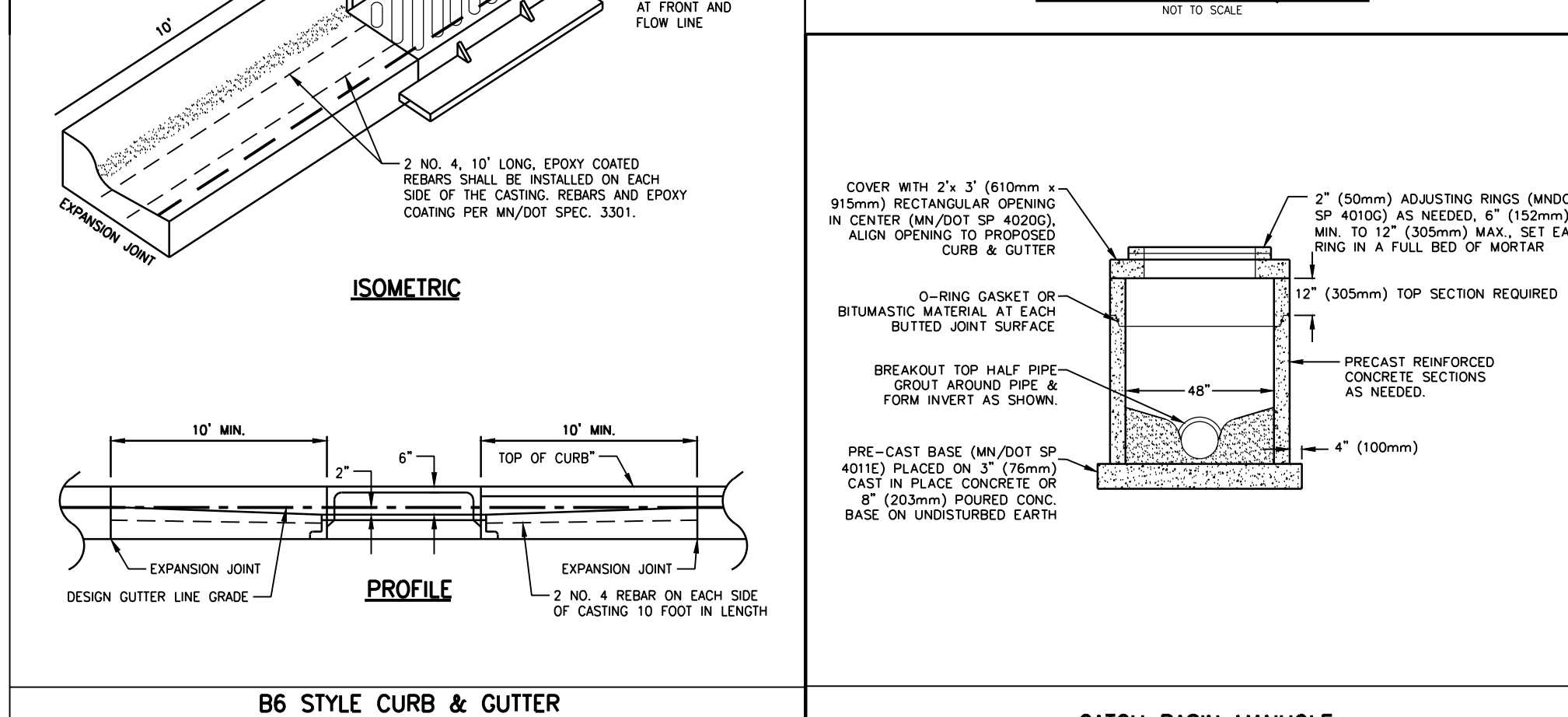
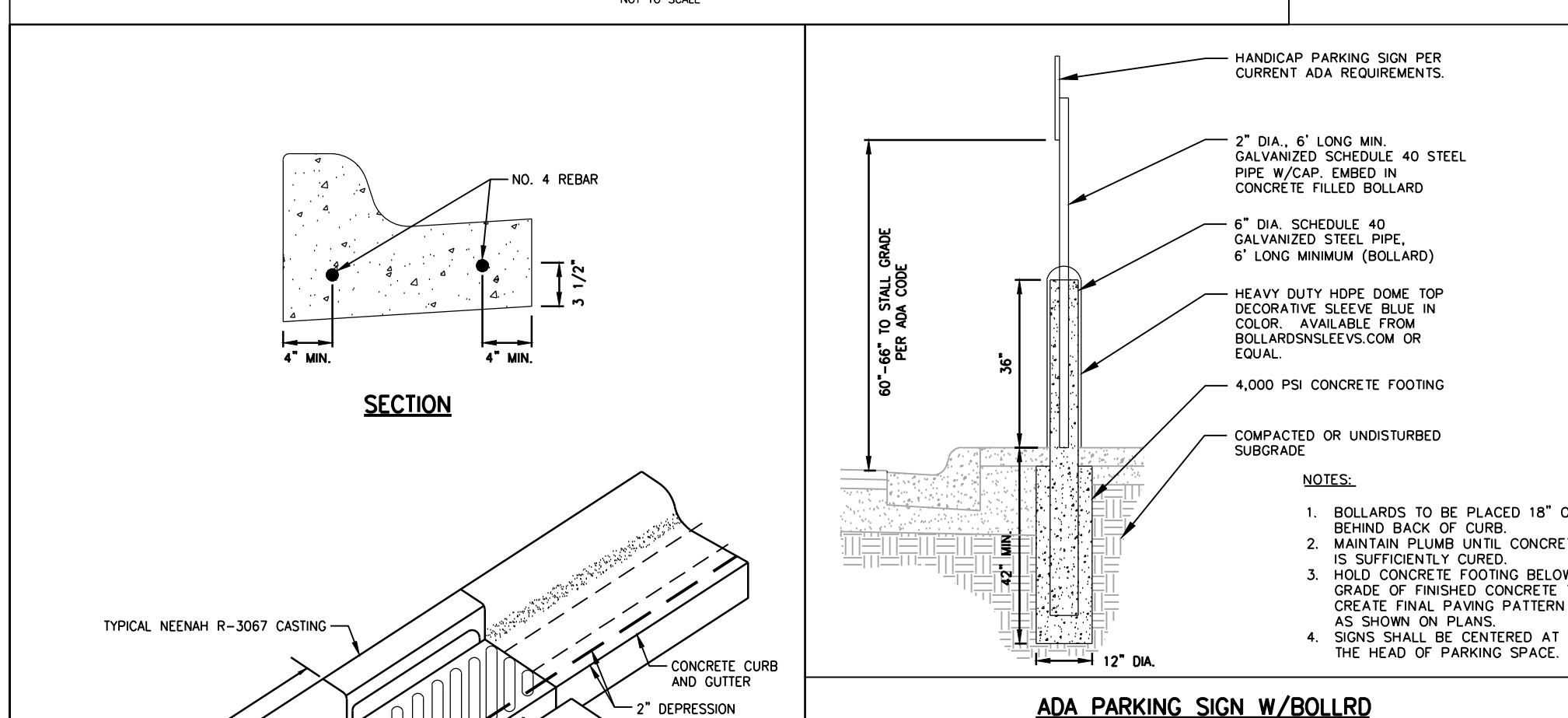
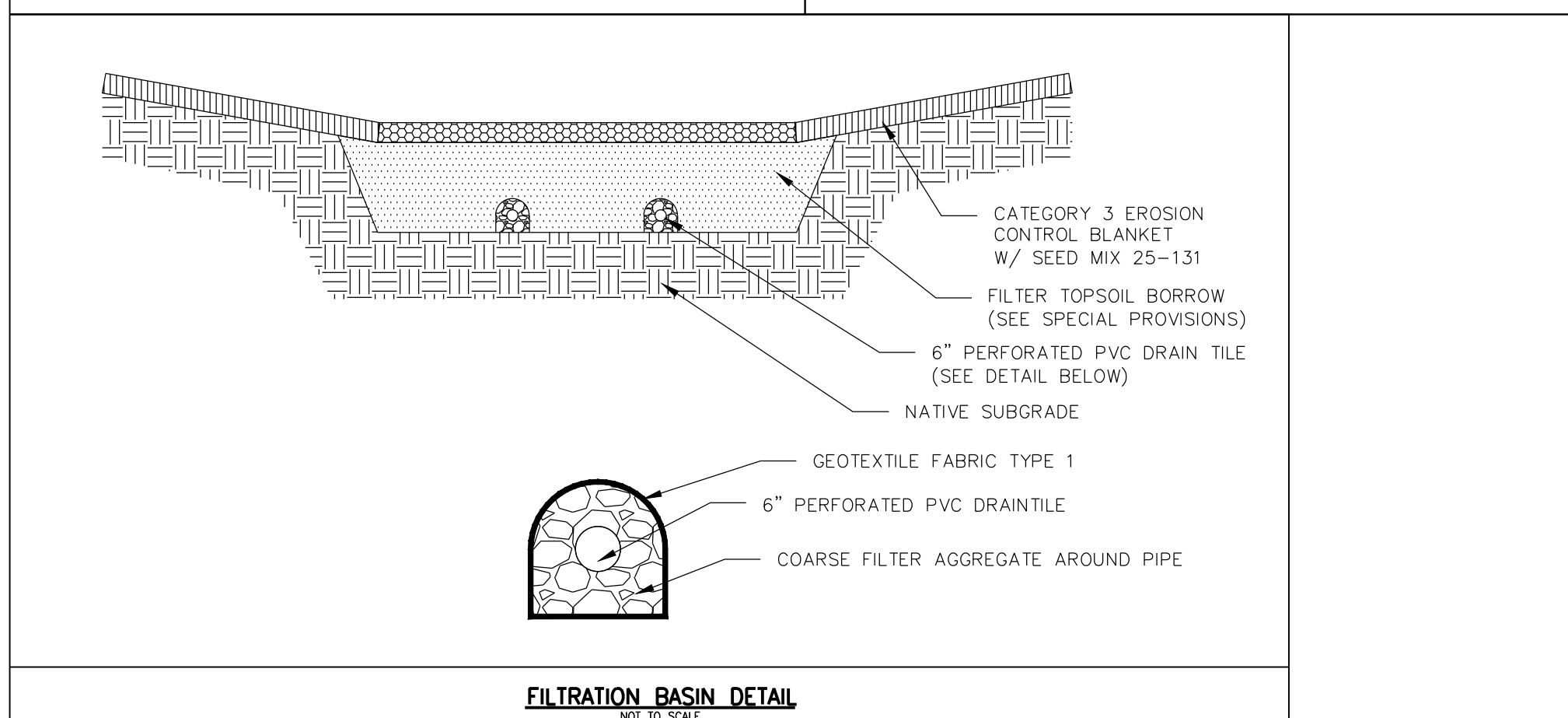
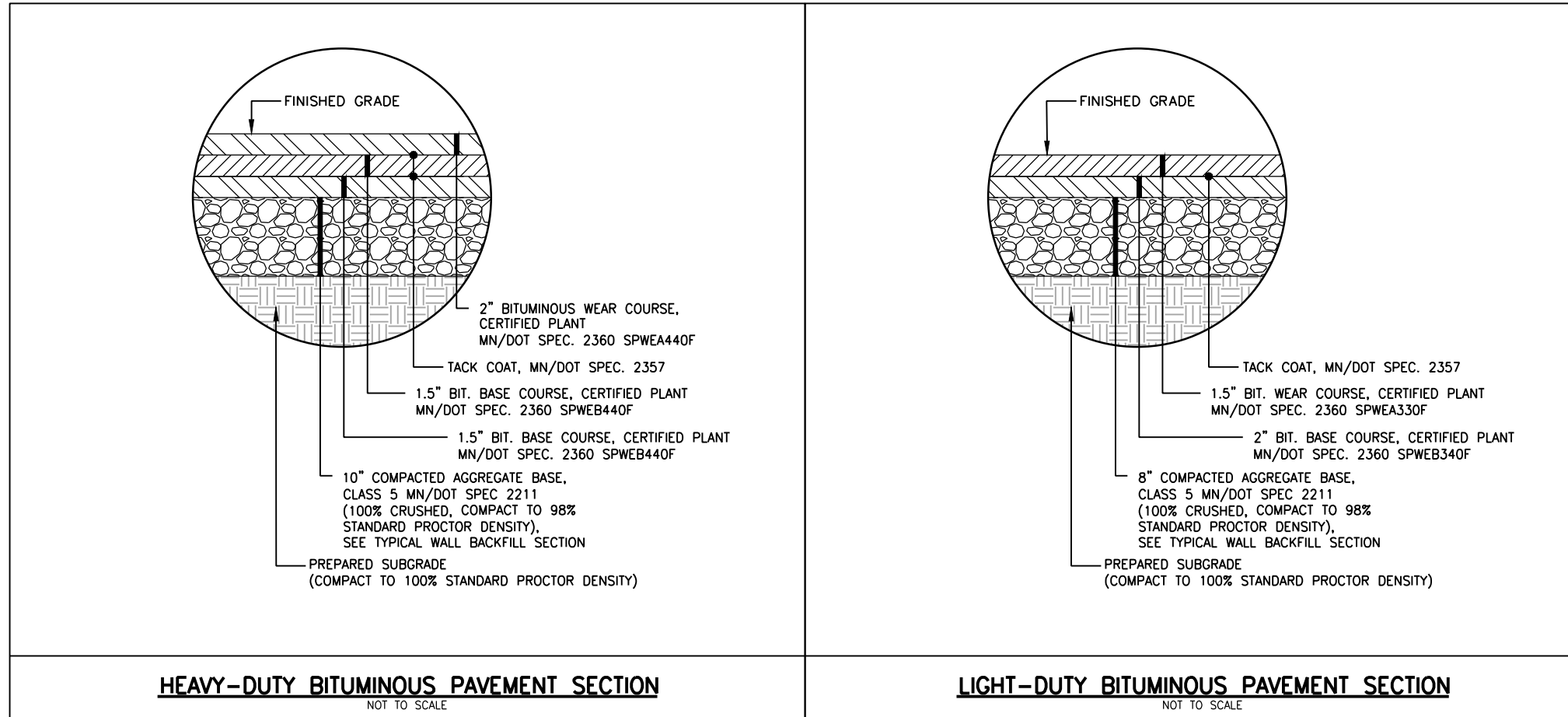
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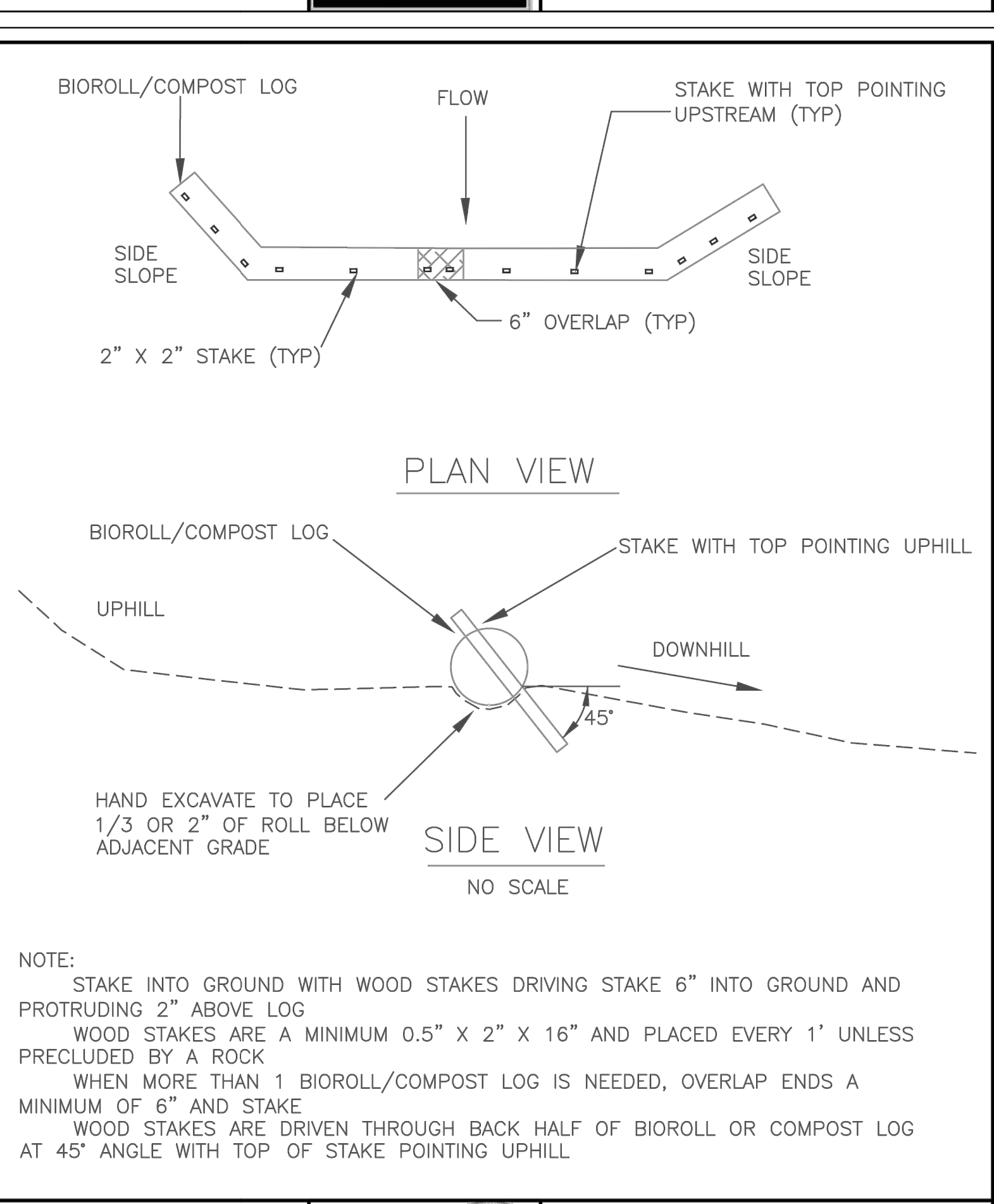
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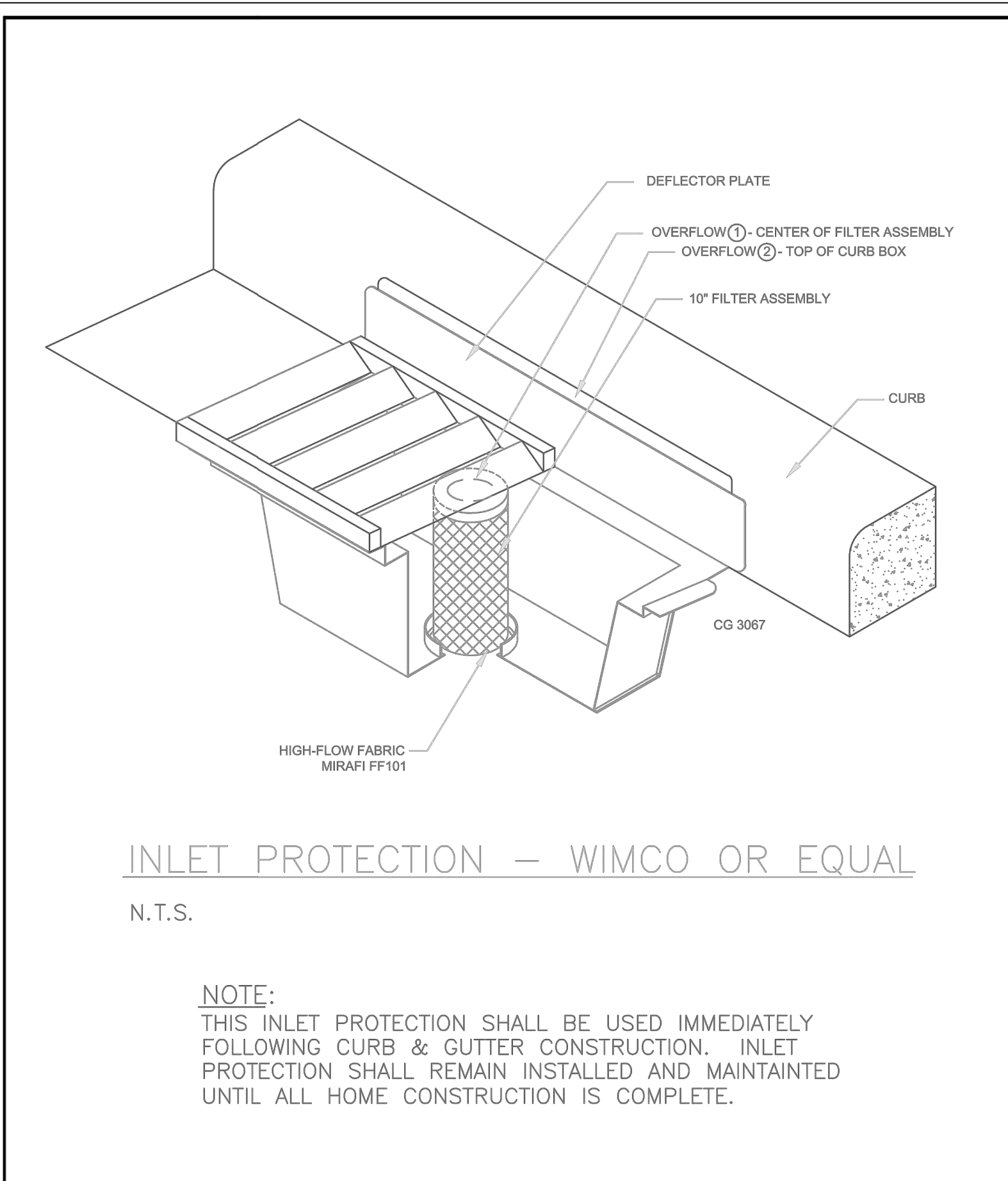
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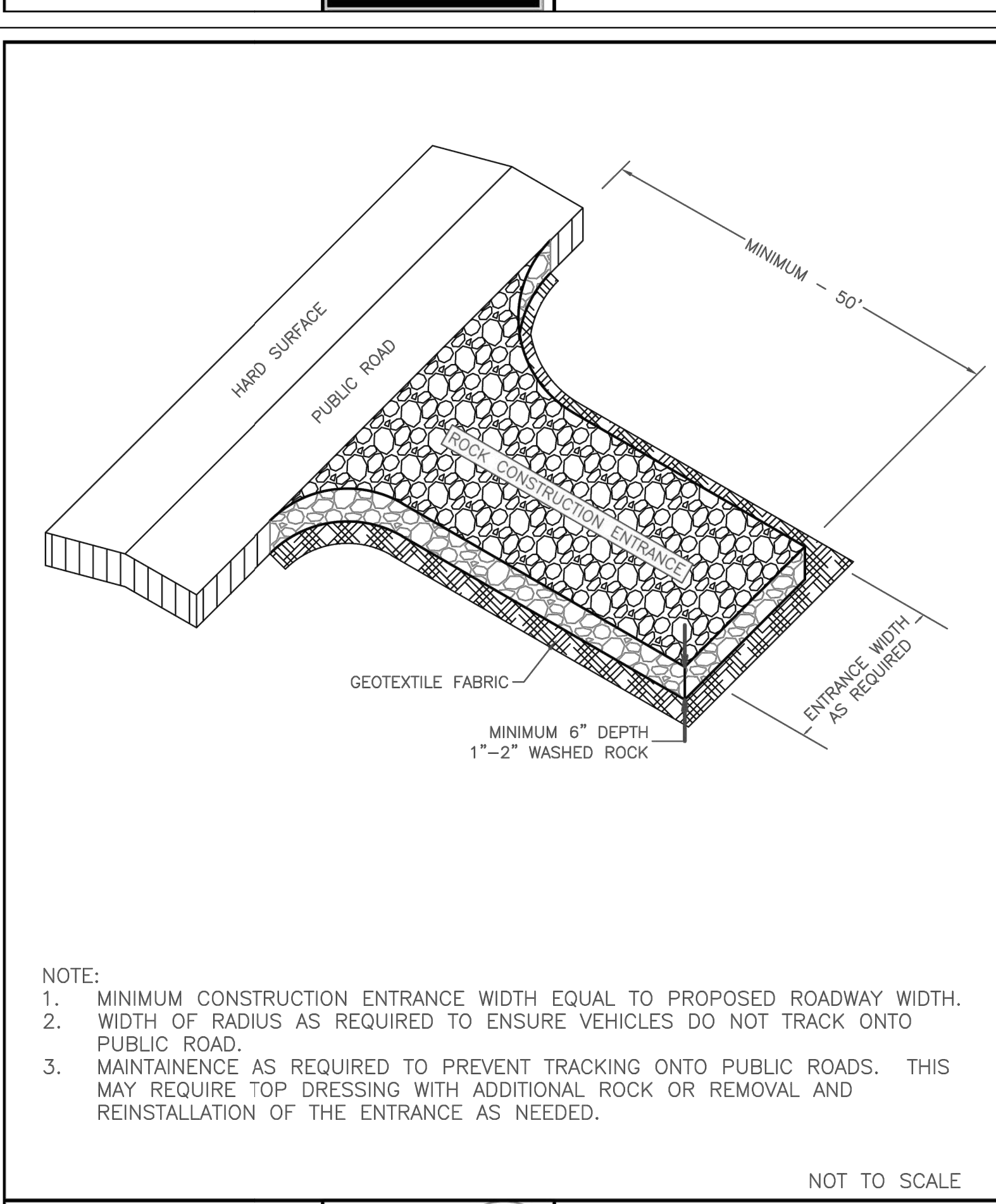
APPROVED: 1 - 2016
City of RAMSEY
STANDARD DETAILS: SILT FENCE
CITY PLATE No. ERO-1



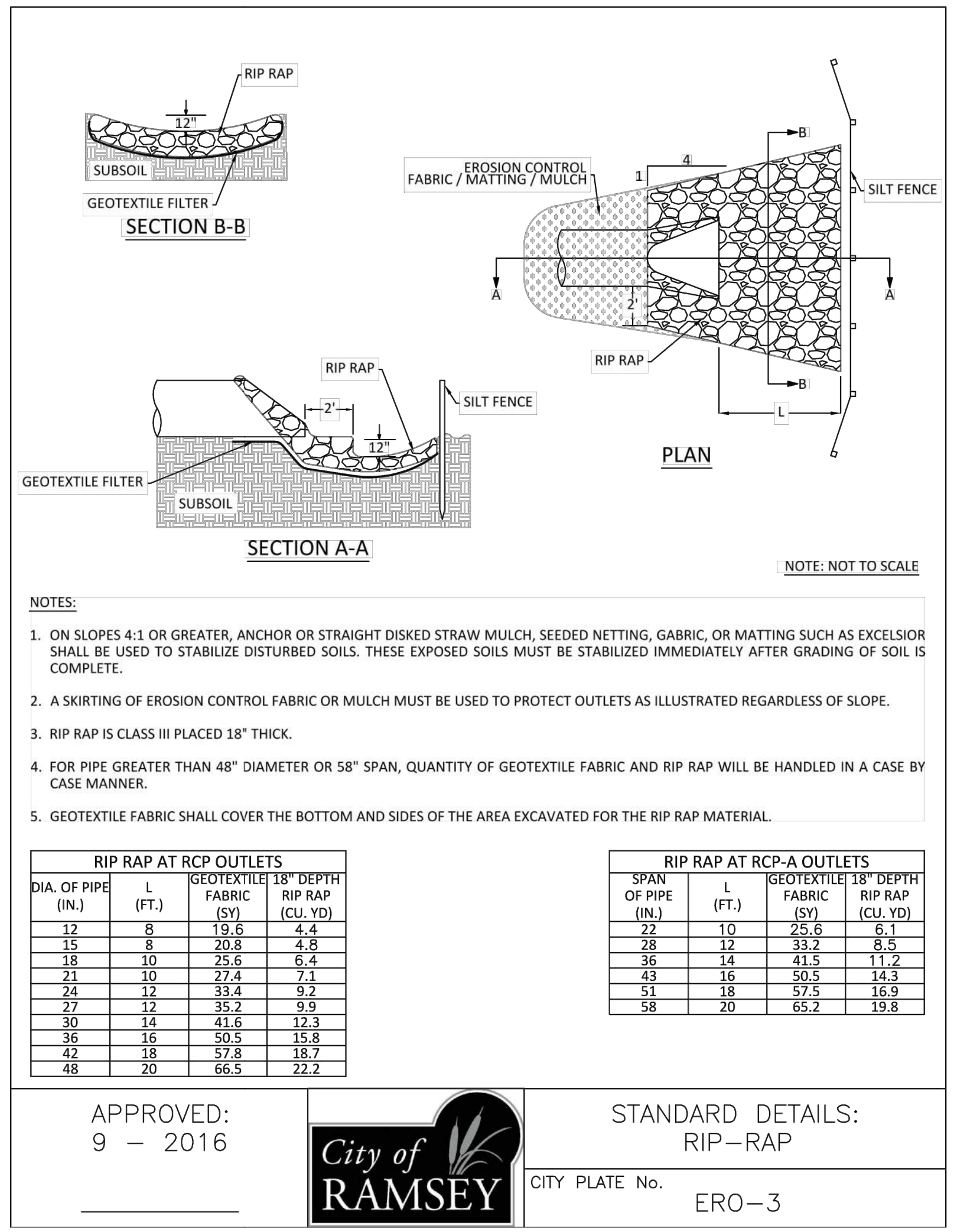
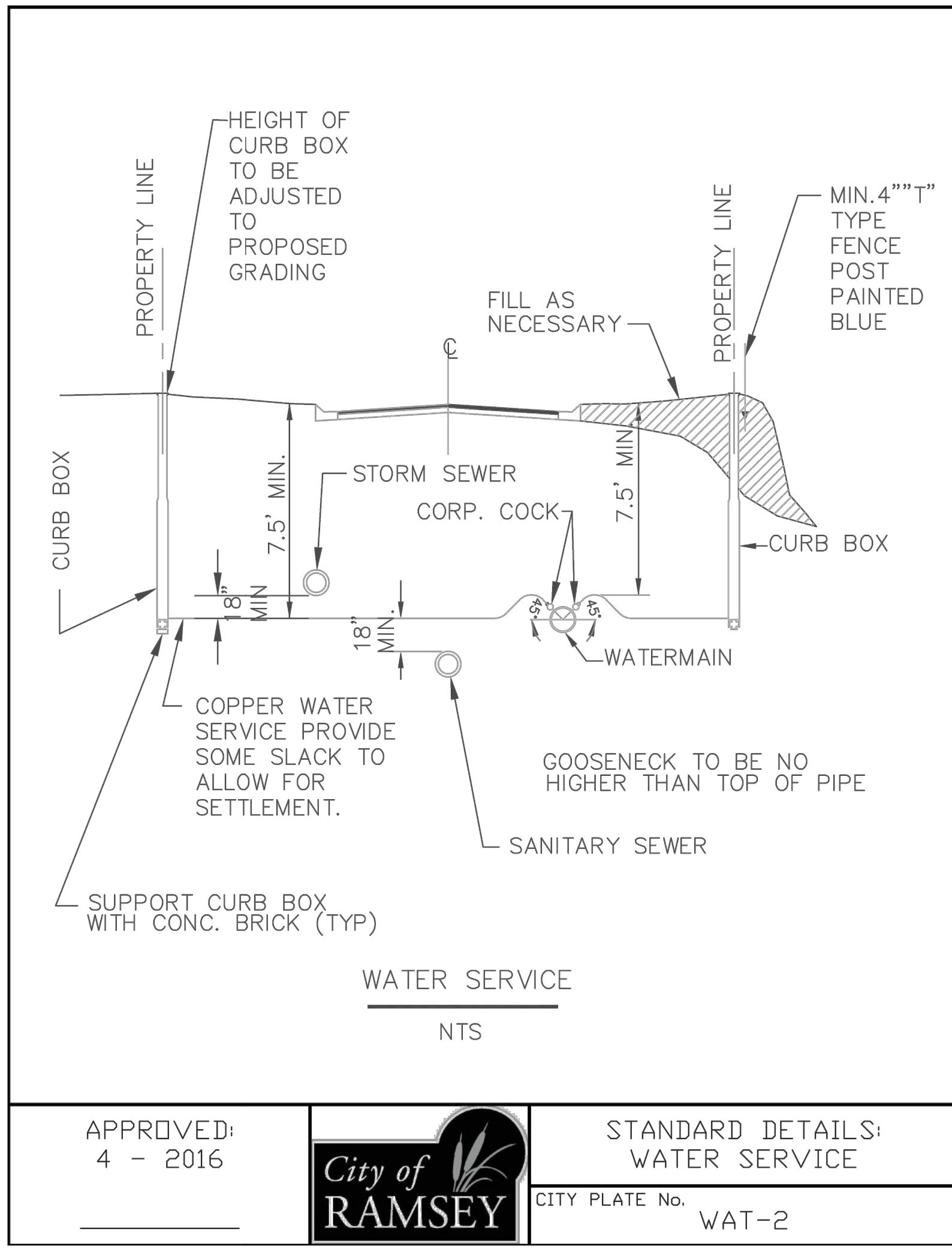
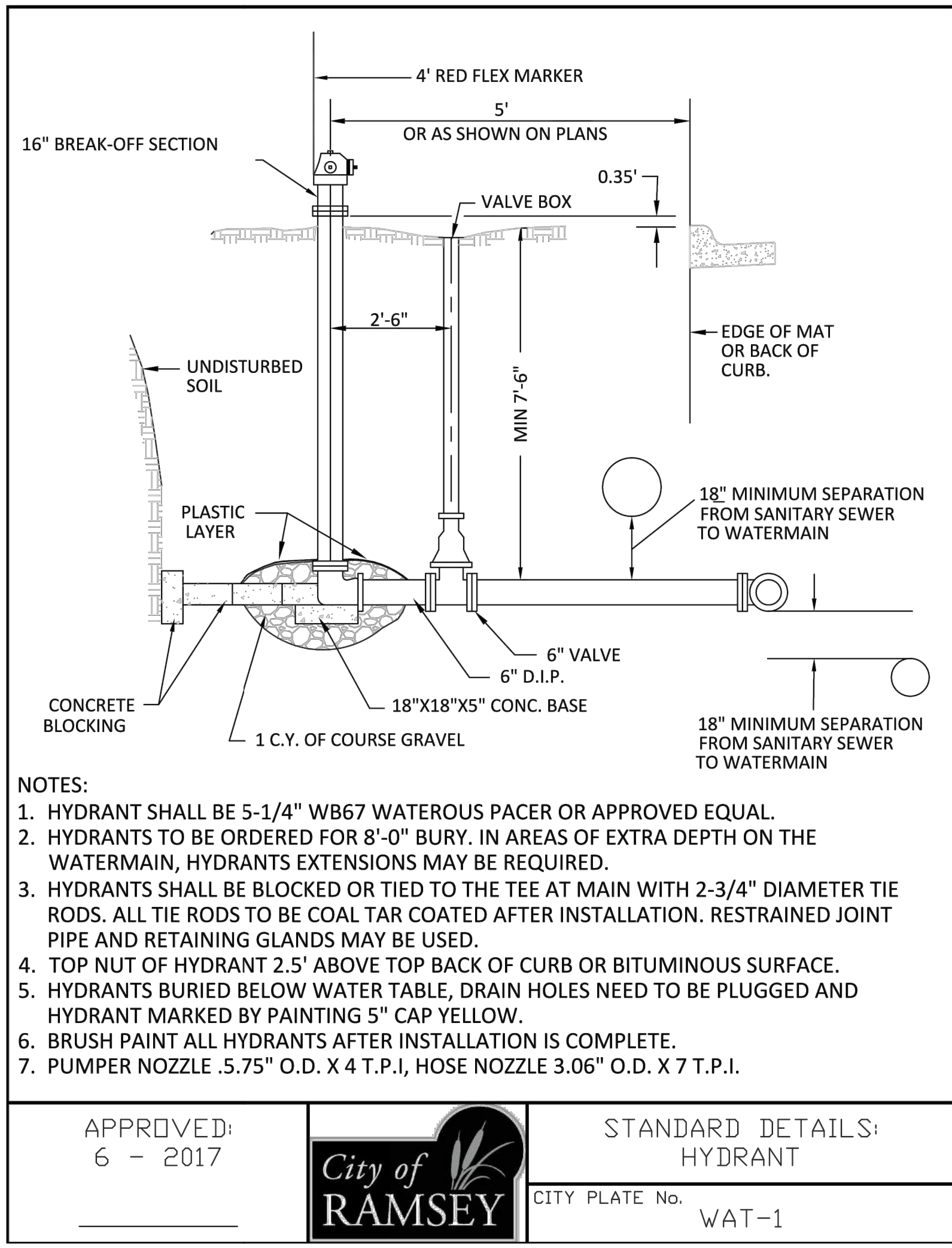
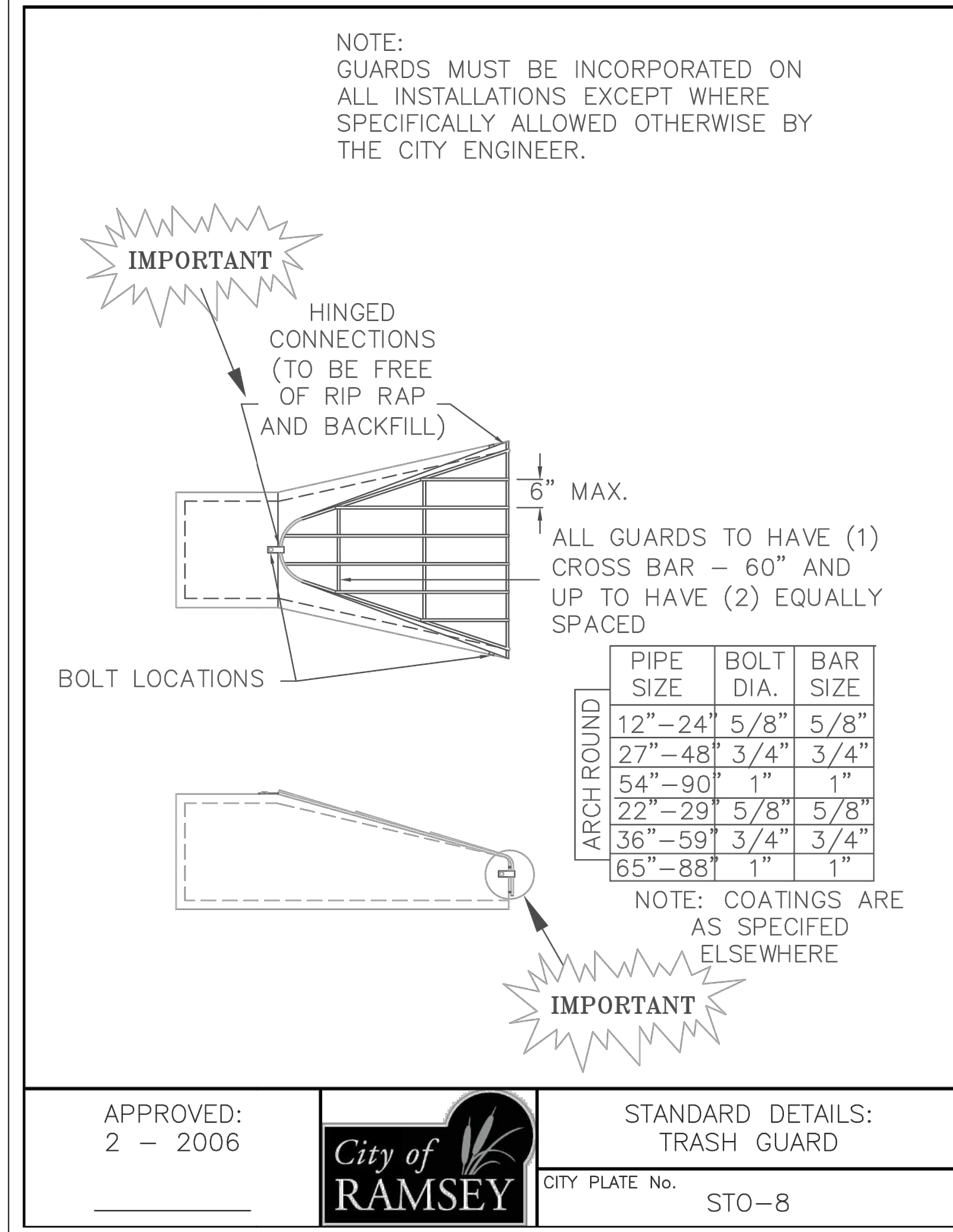
APPROVED: 3 - 2016
City of RAMSEY
STANDARD DETAILS: BIO ROLL (COMPOST LOG)
CITY PLATE No. ERO-4



APPROVED: 1 - 2016
City of RAMSEY
STANDARD DETAILS: INLET PROTECTION
CITY PLATE No. ERO-2



APPROVED: 1 - 2016
City of RAMSEY
STANDARD DETAILS: ROCK CONSTRUCTION ENTRANCE
CITY PLATE No. ERO-5



1. INSTALLATION OF SHRUBS AND TREES BY OWNER. CONTRACTOR SHALL PREPARE ALL PLANTING AREAS. SEEDING AND SODDING SHALL INSTALLED BY CONTRACTOR.
2. CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL
3. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SOIL CONDITIONS.
4. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
5. COORDINATE ALL LANDSCAPE WORK WITH APPROPRIATE TEMPORARY AND PERMANENT EROSION CONTROL.
6. ALL SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND CITY PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
7. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
8. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
9. REMOVE OR FOLDBACK THE TOP 1/3 OF BURLAP AND REMOVE TOP 1/3 OF WIRE BASKET ON B&B MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
10. PRUNE PLANTS AS NECESSARY – PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
11. WRAP ALL SMOOTH–BARKED TREES – FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
12. STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR.
13. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL AMENDMENTS.
14. TOPSOIL (AND PLANTING SOIL) TO ADHERE TO MN/DOT STANDARD SPECIFICATION 3877 (SELECT TOPSOIL BORROW), AND TO BE FREE OF ROOTS, ROCKS (LARGER THAN ONE INCH), SUBSOIL DEBRIS, AND LARGE WEEDS, UNLESS SPECIFIED OTHERWISE. UTILIZE EXISTING ON-SITE TOPSOIL AS APPROPRIATE. MINIMUM 4" DEPTH TOPSOIL FOR ALL LAWN GRASS AREAS AND 12" DEPTH TOPSOIL (PLANTING SOIL) FOR TREE, SHRUBS, AND PERENNIALS.
15. MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, LANDSCAPE BED, AND MAINTENANCE AREAS, OR AS INDICATED ON THE PLAN. SHREDDED HARDWOOD MULCH TO BE A MINIMUM 2-INCH AND NOT MORE THAN 4" DEPTH AND FREE OF DELETERIOUS MATERIAL. MULCH AROUND TREES SHALL NOT BE PUSHED UP AGAINST TRUNK OF TREE. MULCH AND FABRIC TO BE APPROVED BY OWNER PRIOR TO INSTALLATION.
16. EDGING TO BE PROVIDED BETWEEN MULCH AND LAWN TURF AREAS, OR AS INDICATED. STEEL EDGING BETWEEN LANDSCAPE BEDS AND LAWN TURF AREAS TO BE COMMERCIAL BLACK STEEL EDGING, INSTALLED PER MANUFACTURER'S INSTALLATION GUIDELINES. BLACK STEEL EDGING SHALL BE PLACED WITH CONNECTORS AND METAL STAKES NO GREATER THAN 4--FOOT ON CENTER AND ELEVATION BELOW LAWN MOWER CUT LINE. UTILIZE CURBS AND SIDEWALKS FOR EDGING WHERE POSSIBLE. INDIVIDUAL TREE AND SHRUB AREAS TO BE SPADED EDGE BETWEEN MULCH AND LAWN TURF GRASS AREAS WITH V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION.
17. ALL DISTURBED AREAS TO BE SEEDED, UNLESS OTHERWISE NOTED.
18. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
19. REPAIR ALL DAMAGE FROM PLANTING OPERATIONS AT NO COST TO OWNER.

CODE REQUIREMENTS

- 1 TREE PER 50 LINEAL FEET OF SITE PERIMETER OR 1 TREE PER 1,000 SQUARE FEET OF BUILDING FOOTPRINT AREA, WHICHEVER IS GREATER.
- 1 SHRUB PER 30 LINEAL FEET OF SITE PERIMETER OR 1 SHRUB PER 300 SQUARE FEET OF BUILDING FOOTPRINT AREA, WHICHEVER IS GREATER.

- BUILDING SF = 79,886 SF
- 1 TREE PER 1,000 SF
- TOTAL NUMBER OF TREES REQUIRED = 80 TREES
- 20 CONIFEROUS TREES, 6 FT HT (25% OF TOTAL TREES)
- 5 ORNAMENTAL TREES, 2.5" CAL (6% OF TOTAL TREES)
- 55 OVERSTORY TREES, 2.5" CAL (69% OF TOTAL)

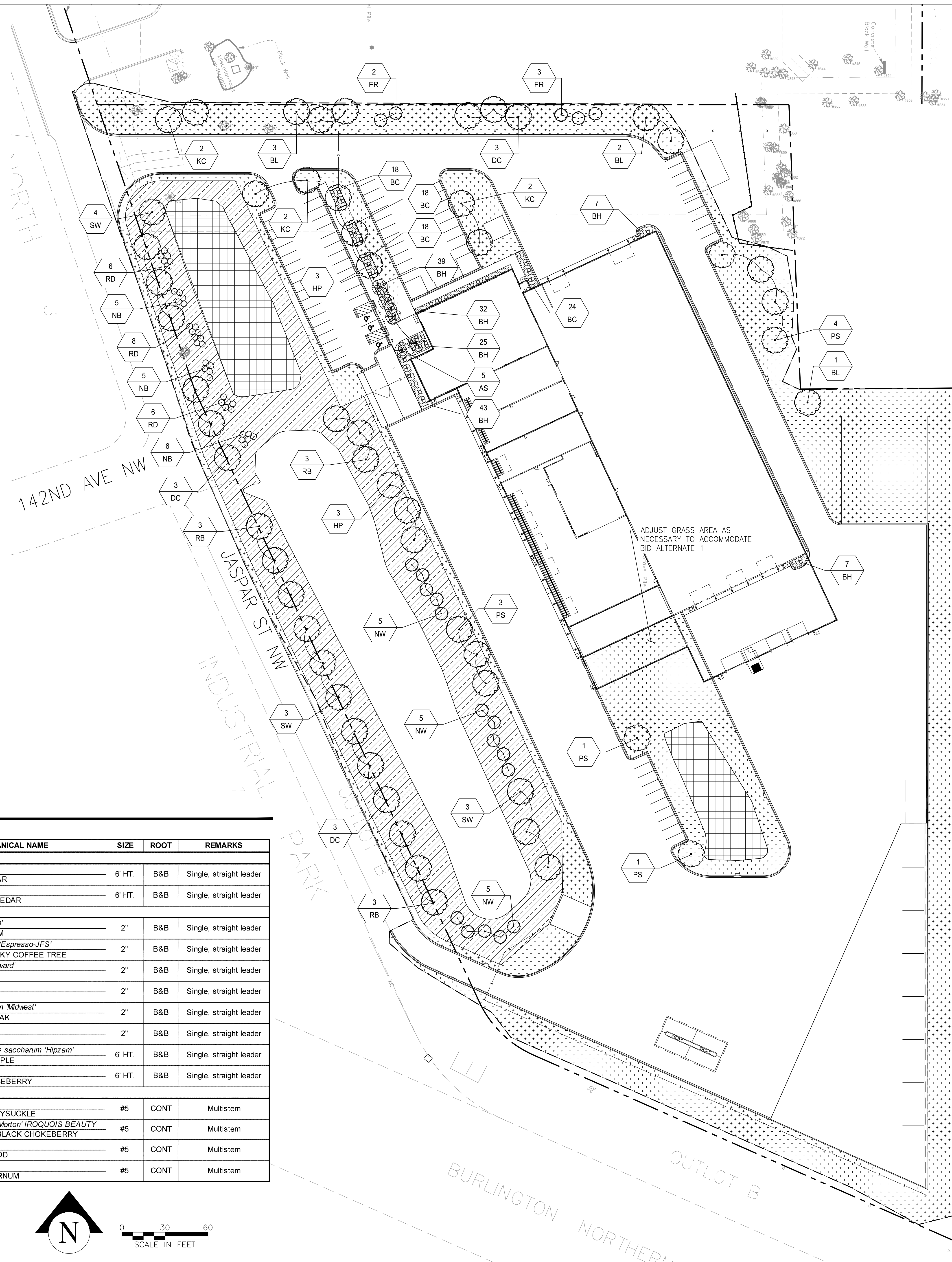
- PROPERTY BOUNDARY LENGTH = 3250 LF
- 1 TREE PER 50 LINEAR FEET OF SITE PERIMETER
- TOTAL NUMBER OF TREES REQUIRED = 65 TREES

- PROPERTY BOUNDARY LENGTH = 3250 LF
- 1 SHRUB PER 30 LINEAR FEET OF SITE PERIMETER
- TOTAL NUMBER OF SHRUBS REQUIRED = 109 SHRUBS

- BUILDING SIZE = 79,886 SF
- 1 SHRUB PER 300 SF
- TOTAL NUMBER OF SHRUBS REQUIRED = 267 SHRUBS

	OVERSTORY TREE
	ORNAMENTAL TREE
	CONIFEROUS TREE
	SHRUB
	MN STATE SEED MIX 35-241 - MESIC PRAIRIE GENERAL
	MN STATE SEED MIX 33-261 - STORMWATER SOUTH & WEST
	MN STATE SEED MIX 25-131 - LOW MAINTENANCE TURF
	PROPERTY LINE
	LIMITS OF DISTURBANCE

QTY		BOTANICAL NAME	SIZE	ROOT	REMARKS
CONIFEROUS TREES					
5	ER	<i>Juniperus virginiana</i> EASTERN RED CEDAR	6' HT.	B&B	Single, straight leader
15	NW	<i>Thuja occidentalis</i> NORTHERN WHITE CEDAR	6' HT.	B&B	Single, straight leader
DECIDUOUS TREES					
9	DC	<i>Ulmus 'Morton Red Tip'</i> DANADA CHARM ELM	2"	B&B	Single, straight leader
6	KC	<i>Gymnocladus dioica</i> 'Espresso-JFS' ESPRESSO KENTUCKY COFFEE TREE	2"	B&B	Single, straight leader
6	BL	<i>Tilia americana</i> 'Boulevard' BOULEVARD LINDEN	2"	B&B	Single, straight leader
10	SW	<i>Quercus bicolor</i> SWAMP WHITE OAK	2"	B&B	Single, straight leader
9	PS	<i>Quercus x bimundorum</i> 'Midwest' PRAIRIE STATURE OAK	2"	B&B	Single, straight leader
9	RB	<i>Betula nigra</i> RIVER BIRCH	2"	B&B	Single, straight leader
6	HP	<i>Acer grandidentatum</i> x <i>saccharum</i> 'Hipzam' HIGHLAND PARK MAPLE	6' HT.	B&B	Single, straight leader
5	AS	<i>Amelanchier laevis</i> ALLEGHENY SERVICEBERRY	6' HT.	B&B	Single, straight leader
DECIDUOUS SHRUBS					
153	BH	<i>Diervilla lonicera</i> DWARF BUSH HONEYSUCKLE	#5	CONT	Multistem
78	BC	<i>Aronia melanocarpa</i> 'Morton' IROQUOI'S BEAUTY IROQUOI'S BEAUTY BLACK CHOKEBERRY	#5	CONT	Multistem
20	RD	<i>Cornus sericea</i> REDSIOSIER DOGWOOD	#5	CONT	Multistem
16	NB	<i>Viburnum lentago</i> NANNYBERRY VIBURNUM	#5	CONT	Multistem



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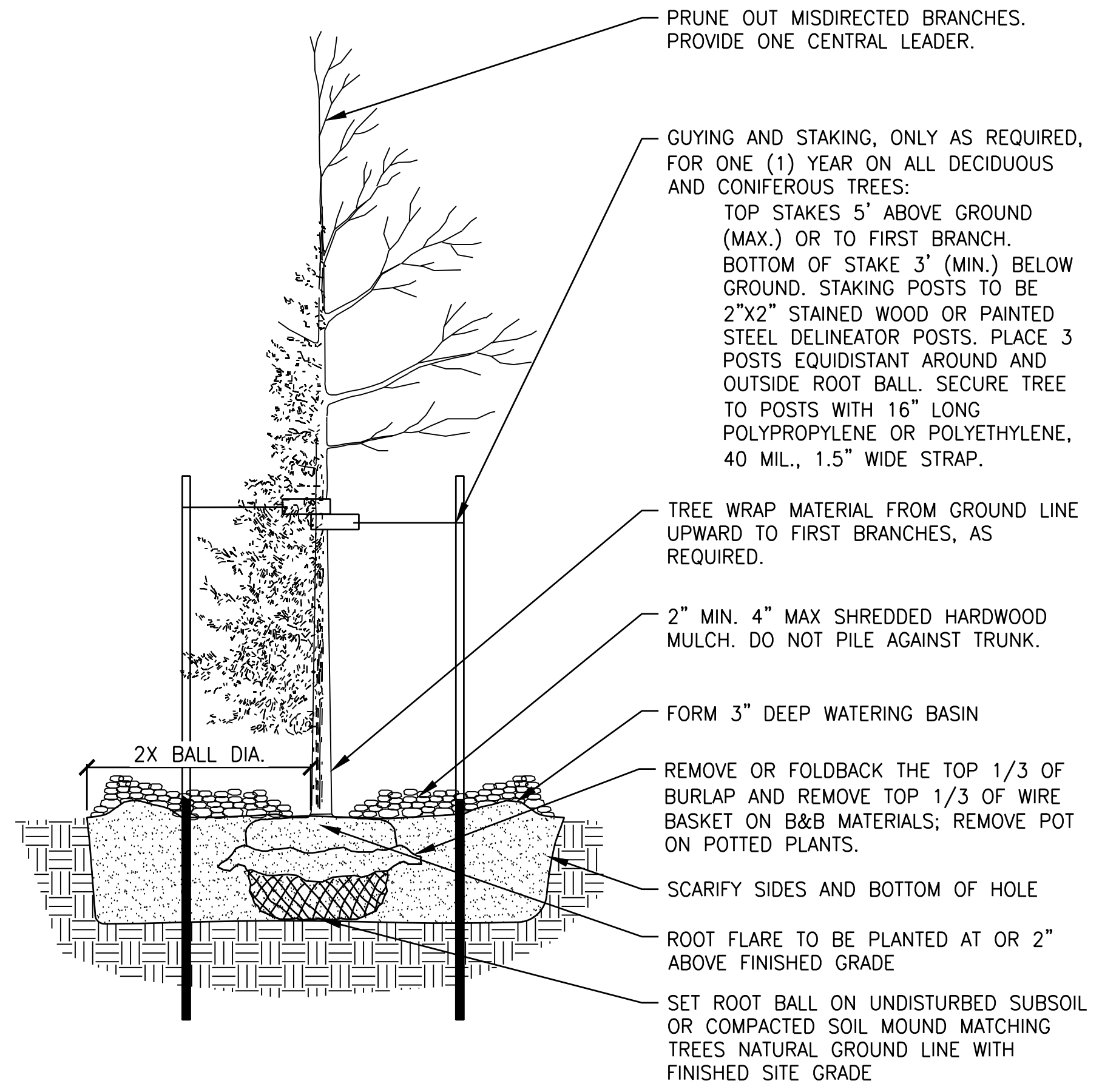
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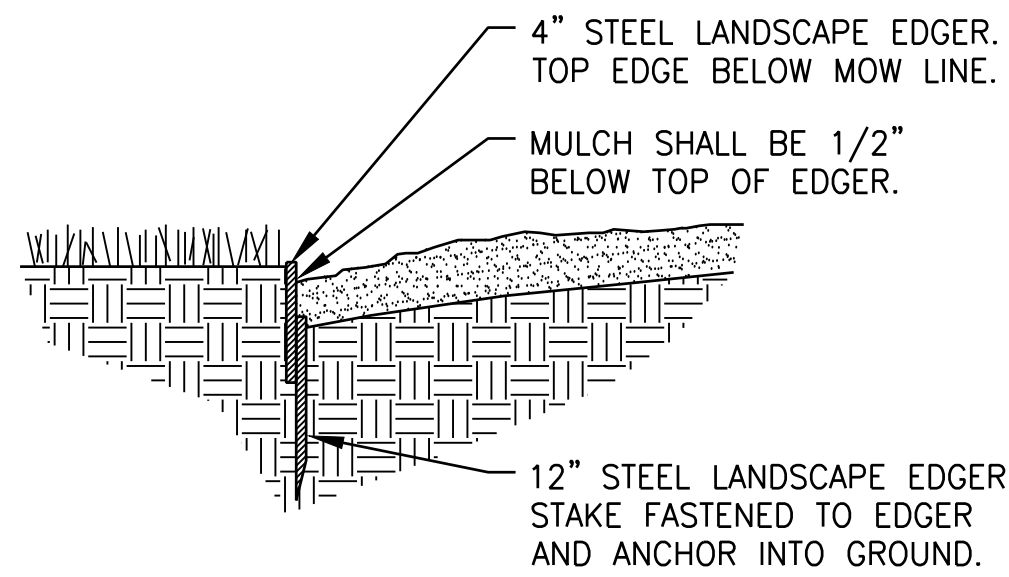
LANDSCAPE
PLAN

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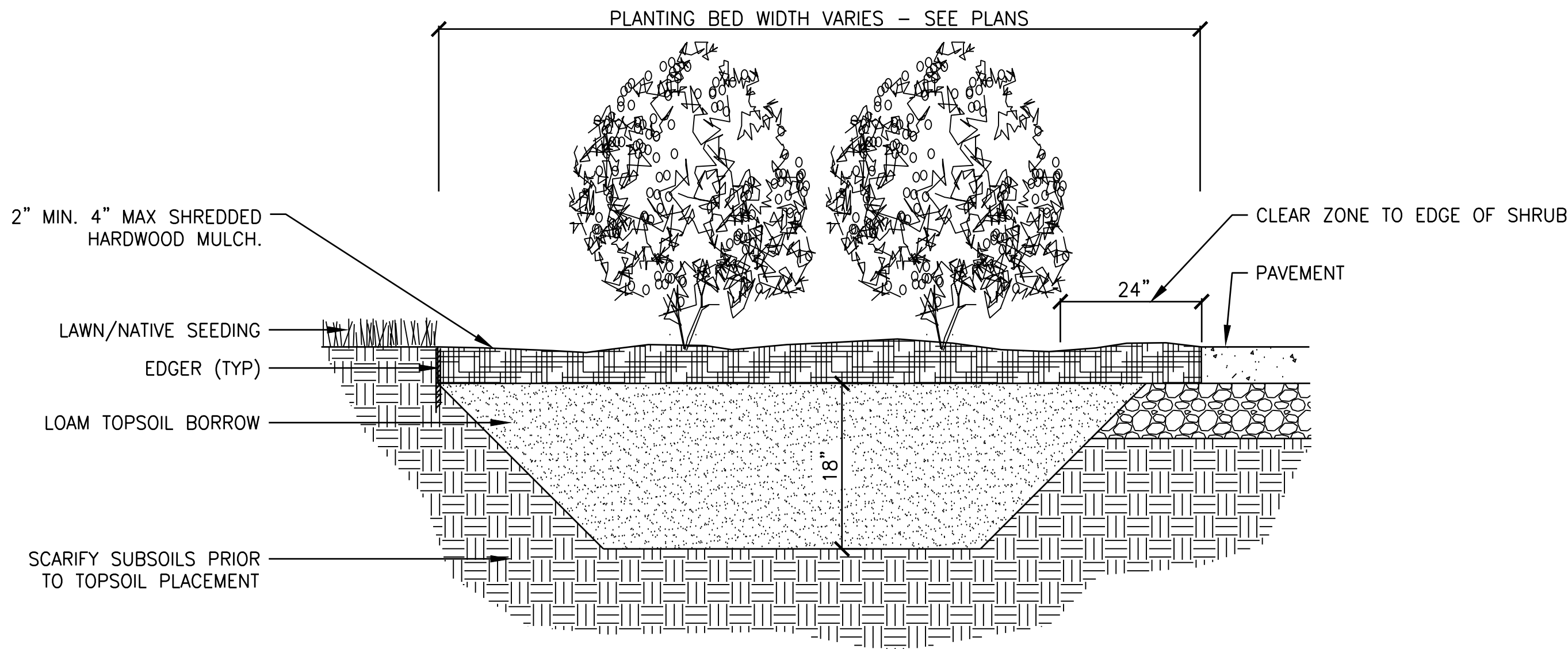
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DECIDUOUS/CONIFEROUS TREE PLANTING DETAIL



STEEL LANDSCAPE EDGER DETAIL



TYPICAL SHRUB/PERENNIAL PLANTING

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DETAILS**

SHEET NO.

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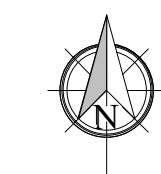
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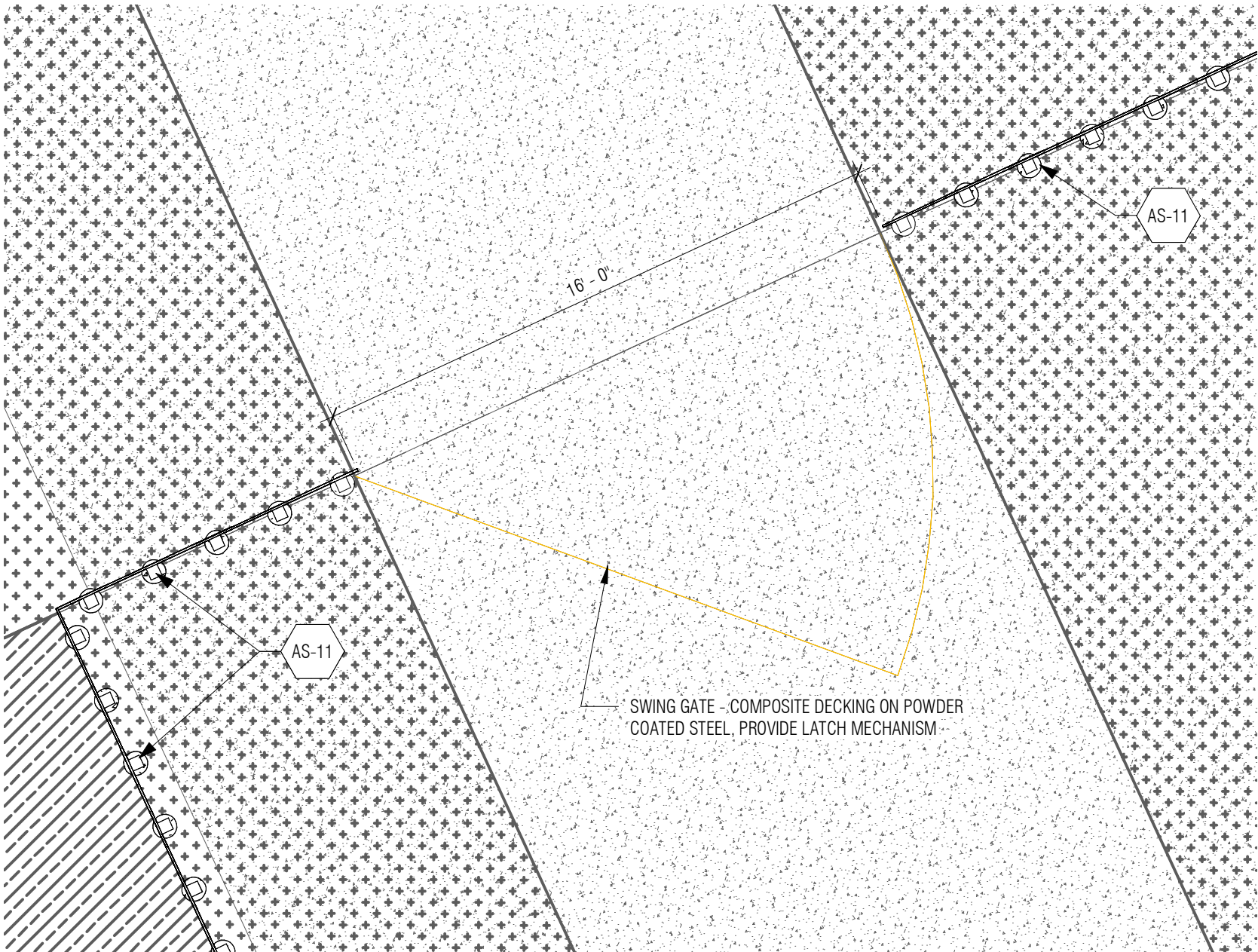
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AS-1 VEHICLE MAINTENANCE FACILITY

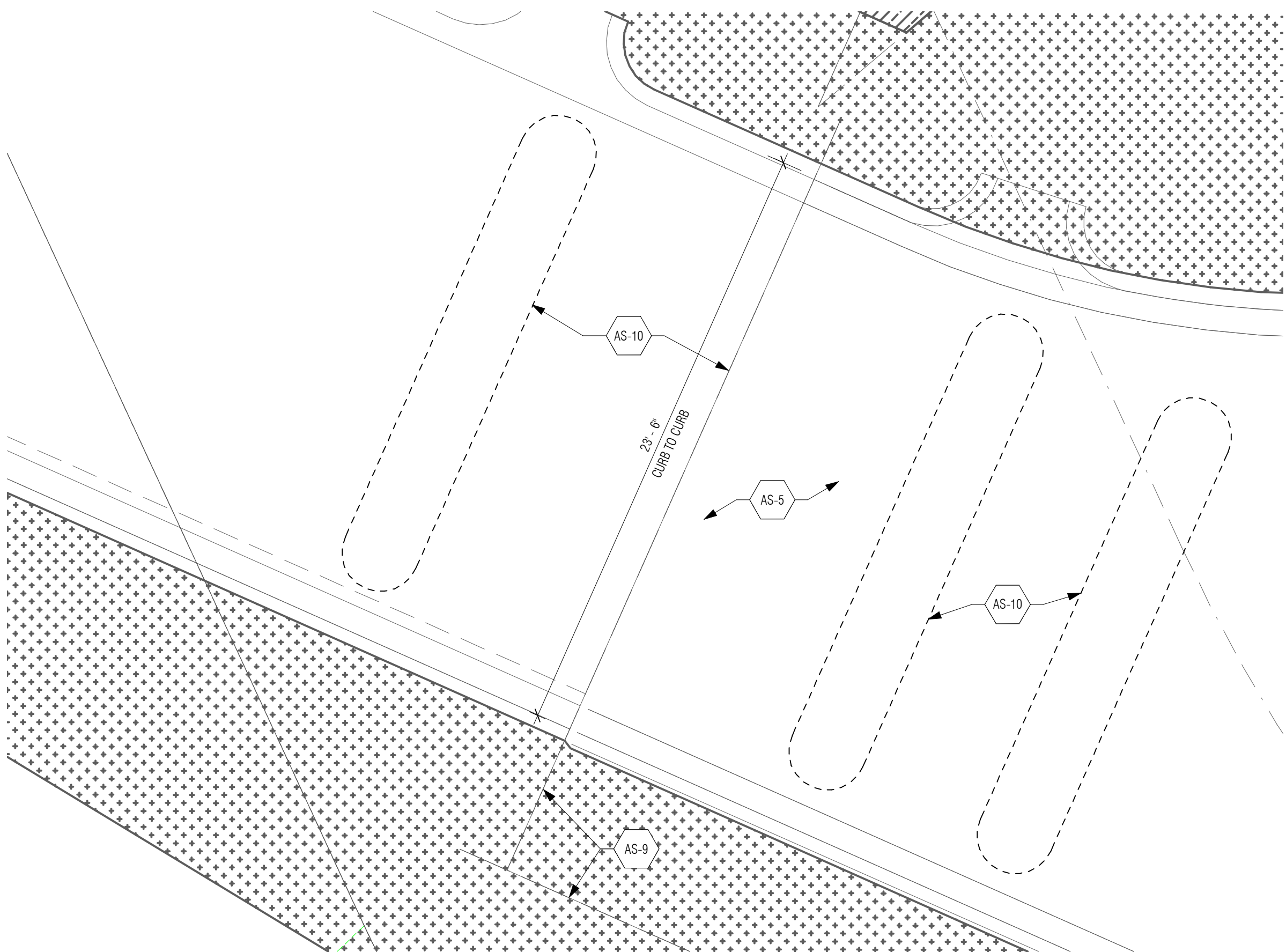
- AS-19 BOLLARD

- AS-28



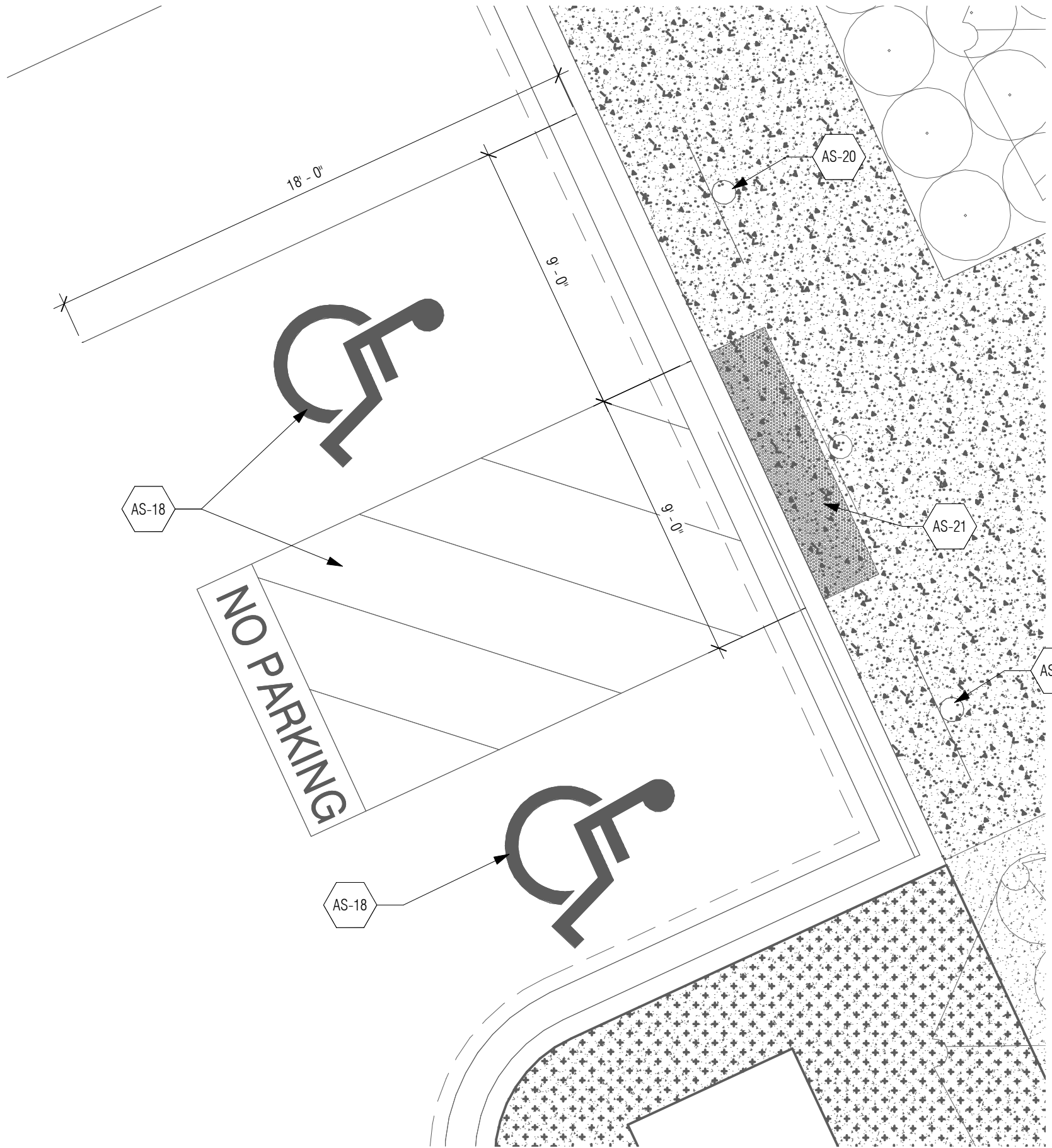
4 SIDE GATE

1/4" = 1'-0"



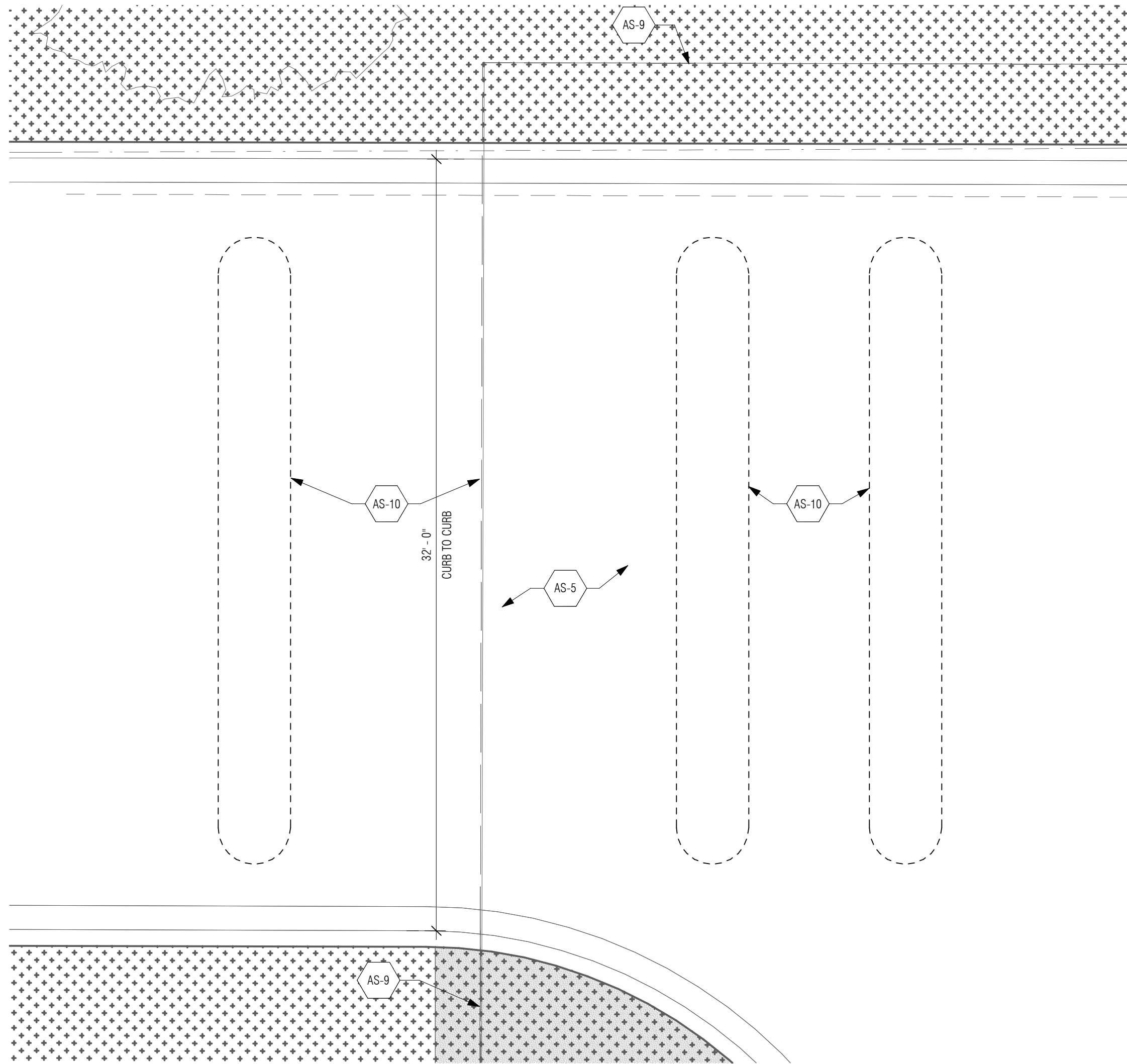
2 SOUTH GATE

1/4" = 1'-0"



3 ADA PARKING

1/4" = 1'-0"



1 MAIN GATE

1/4" = 1'-0"

SITE KEYNOTES:

- AS-1 VEHICLE MAINTENANCE FACILITY
- AS-2 FUELING ISLAND WITH CANOPY
- AS-3 COLD STORAGE BUILDING
- AS-4 YARD STORAGE
- AS-5 SITE PAVING - SEE CIVIL
- AS-6 LOADING DOCK
- AS-7 SITE PLANTING - SEE LANDSCAPE
- AS-8 EMERGENCY FUEL SHUT OFF
- AS-9 VINYL COATED CHAINLINK FENCE - 8'-0" TALL

- AS-10 POWERED VERTICAL PIVOT GATE WITH AUTOMATIC OPENER. PROVIDE LOOP DETECTION PER PROVIDER RECOMMENDATIONS (3 TOTAL, 1 FOR EXIT ACCESS)
- AS-11 COMPOSITE DECKING ON POWDER COATED STEEL TUBE SCREEN WALL ASSEMBLY
- AS-12 TRASH ENCLOSURE - SCREEN WALL WITH SWING GATES - CONCRETE SLAB. SEE CIVIL
- AS-13 RETENTION POND - SEE CIVIL
- AS-14 FUTURE SALT STORAGE - NOT IN PROJECT
- AS-15 LIGHTING AT SIGNAGE/SCREEN WALL - SEE ELECTRICAL
- AS-16 CONCRETE PAD FOR TRANSFORMER - SEE ELECTRICAL. COORDINATE PAD SIZE AND DESIGN WITH UTILITY COMPANY. SEE STRUCTURAL FOR PRELIMINARY DESIGN
- AS-17 FLAGPOLE WITH IN GROUND LIGHTING - SEE ELECTRICAL
- AS-18 PARKING AND ADA STRIPING AS INDICATED

- AS-19 BOLLARD
- AS-20 BOLLARD WITH ADA SIGNAGE
- AS-21 CAST IRON DETECTABLE WARNING PLATES
- AS-22 SITE LIGHTING FOR BUILDING MOUNTED SIGNAGE - SEE ELECTRICAL
- AS-23 6" TALL CONCRETE CURBED ISLAND
- AS-24 CONCRETE FUEL ISLAND SLAB - MINIMUM 8" SLAB ON GRADE - FINAL DESIGN BY FUEL ISLAND PROVIDER
- AS-25 UNDERGROUND FUEL TANK. SIZE SHOWN IS APPROXIMATE TO ONE MANUFACTURER. SEE SPECIFICATIONS FOR TANK REQUIREMENTS
- AS-26 FUEL STATION WITH (2) DISPENSERS: 1 GAS AND 1 DIESEL. 13'-0" HOSE ON EACH DISPENSER WITH HOSE TENDER/RETRACTOR. SEE SPECIFICATIONS FOR REQUIREMENTS
- AS-27 FUEL SYSTEM INFORMATION INPUT PAD AND PEDESTAL

- AS-28 STEEL FRAME FUEL ISLAND CANOPY STRUCTURE WITH 4" CONCRETE COLUMN PROTECTORS. FINISHED FASCIA AND SOFFIT SYSTEM BY CANOPY PROVIDER - SEE SPECIFICATIONS
- AS-29 MAN HOLE ACCESS TO FUEL TANK. FUEL ISLAND CONTRACTOR TO COORDINATE ALL UNDERGROUND INSTALLATIONS AND CONCRETE EMBEDDED ITEMS
- AS-30 ASPHALT SITE PAVING - SEE CIVIL PAVING PLAN. SEE SPECIFICATIONS
- AS-31 FOOTING AND FOUNDATIONS FOR FUEL ISLAND CANOPY SYSTEM. COORDINATE FINAL DEPTH WITH TANK MANUFACTURER AND ACCESSORIES PROVIDED FOR COMPLETE FUEL SYSTEM AS THE DEPTH MAY VARY BASED ON ACCESSORY AND ACTUAL TANK DIMENSIONS - SEE STRUCTURAL
- AS-32 CONCRETE PAVING - BY FUEL ISLAND PROVIDER
- AS-33 CONCRETE 'DEAD MEN' HOLD DOWNS. PROVIDE NUMBER REQ'D FOR SIZE OF TANK. REVIEW SOIL CONDITIONS AND GEOTECH REPORT FOR ADDITIONAL INFO AND REQ'S
- AS-34 LED LIGHTING BY FUEL ISLAND CANOPY PROVIDER - SEE ELECTRICAL
- AS-35 ROOF DRAIN PIPE WITH HEAT TAPE - BY CANOPY PROVIDER. DOWNSPOUT CATCHMENT WITH HEAT TAPE - SEE CIVIL. DOWNSPOUTS CONNECT TO UNDERGROUND SYSTEM
- AS-36 CONCRETE COLUMN PROTECTOR - 4'-0" TALL, SLOPED TOP

PROJECT NAME:
RAMSEY PUBLIC WORKS FACILITY
CITY OF RAMSEY

14109 Jasper St NW
Ramsey, MN 55303

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: ANDREW N. COOPER

46485 05/25/20

LICENSE # DATE

SHEET NAME:

ENLARGED SITE PLAN

REVISIONS:

No.	Date	Description

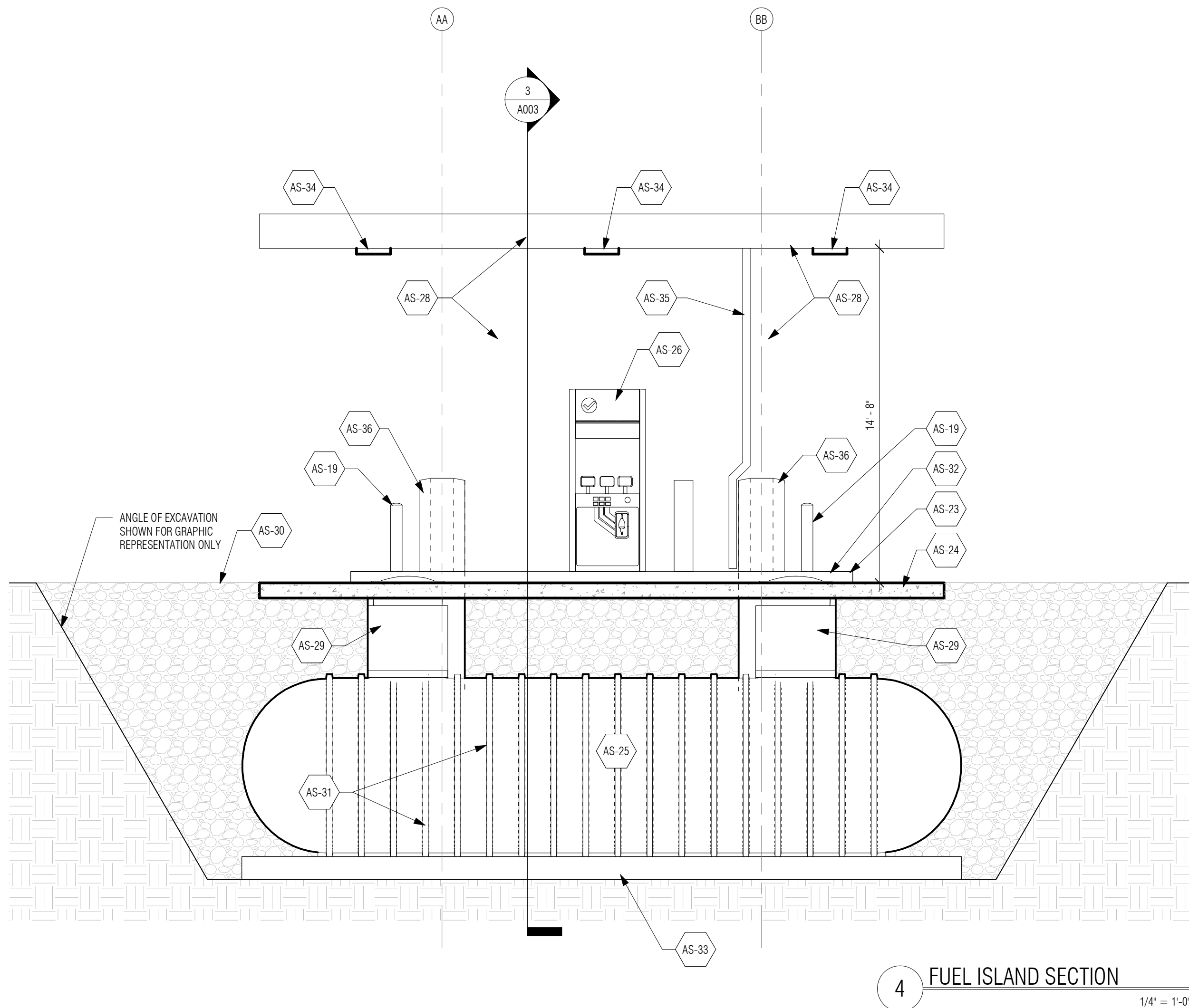
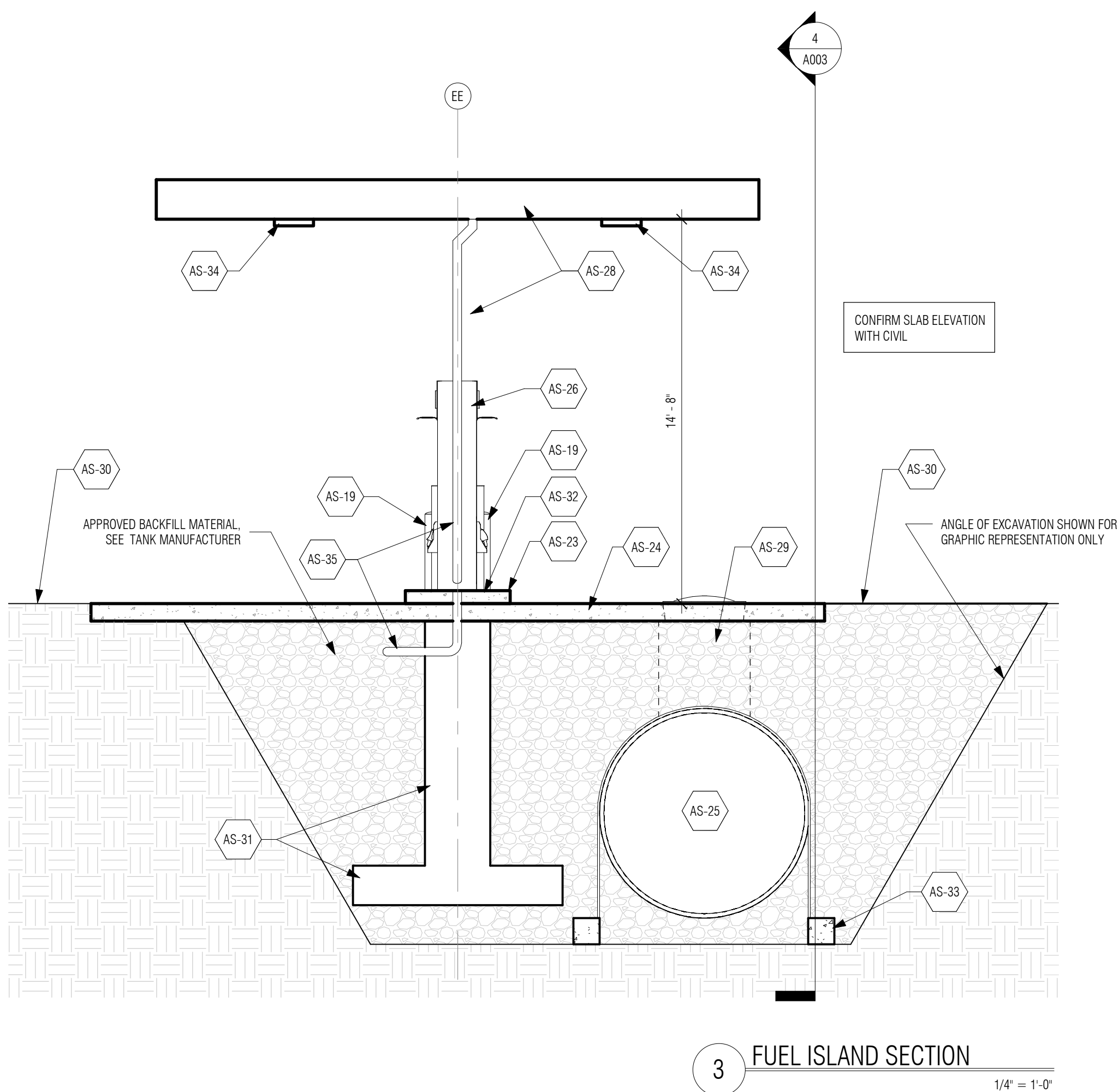
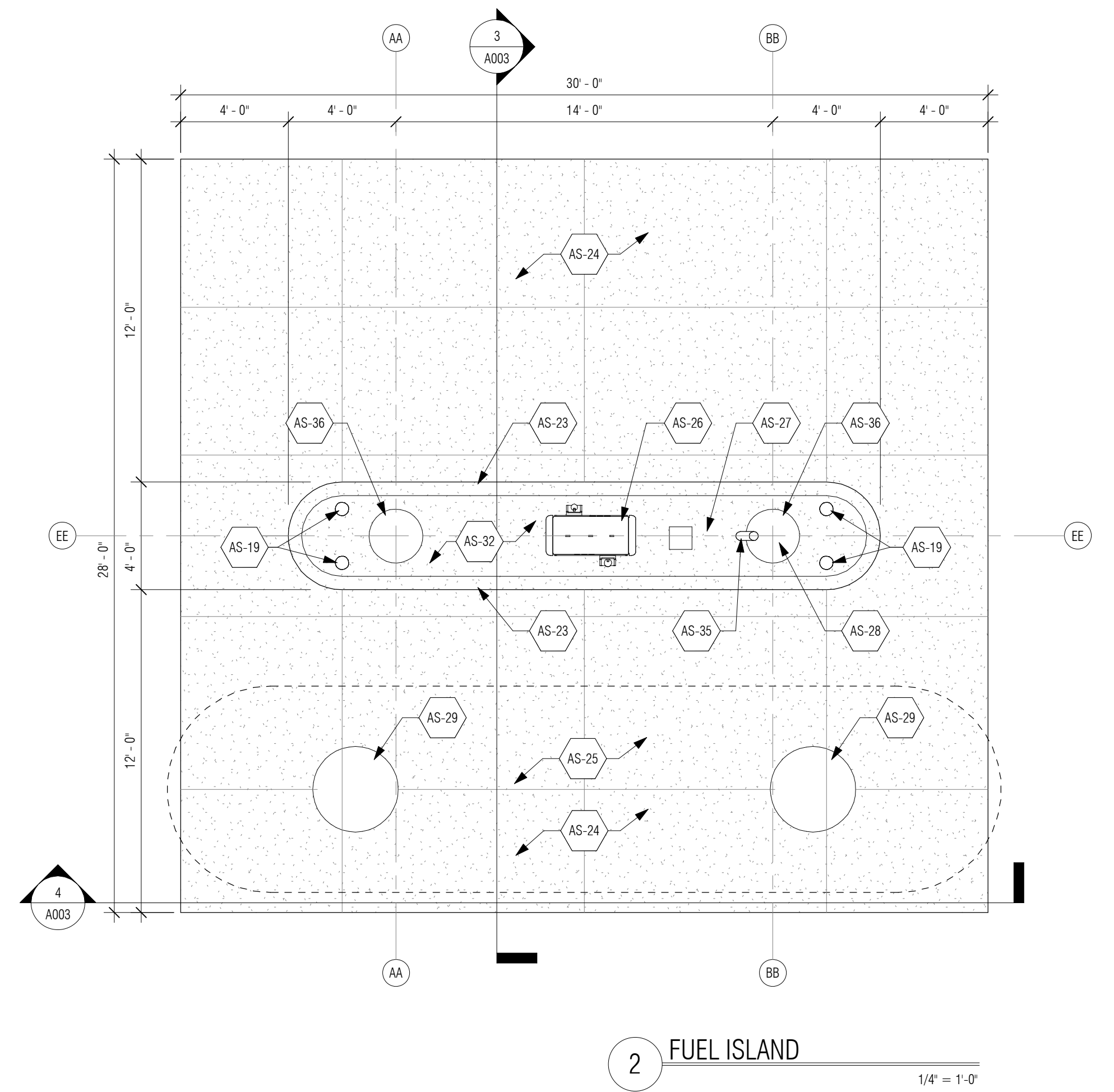
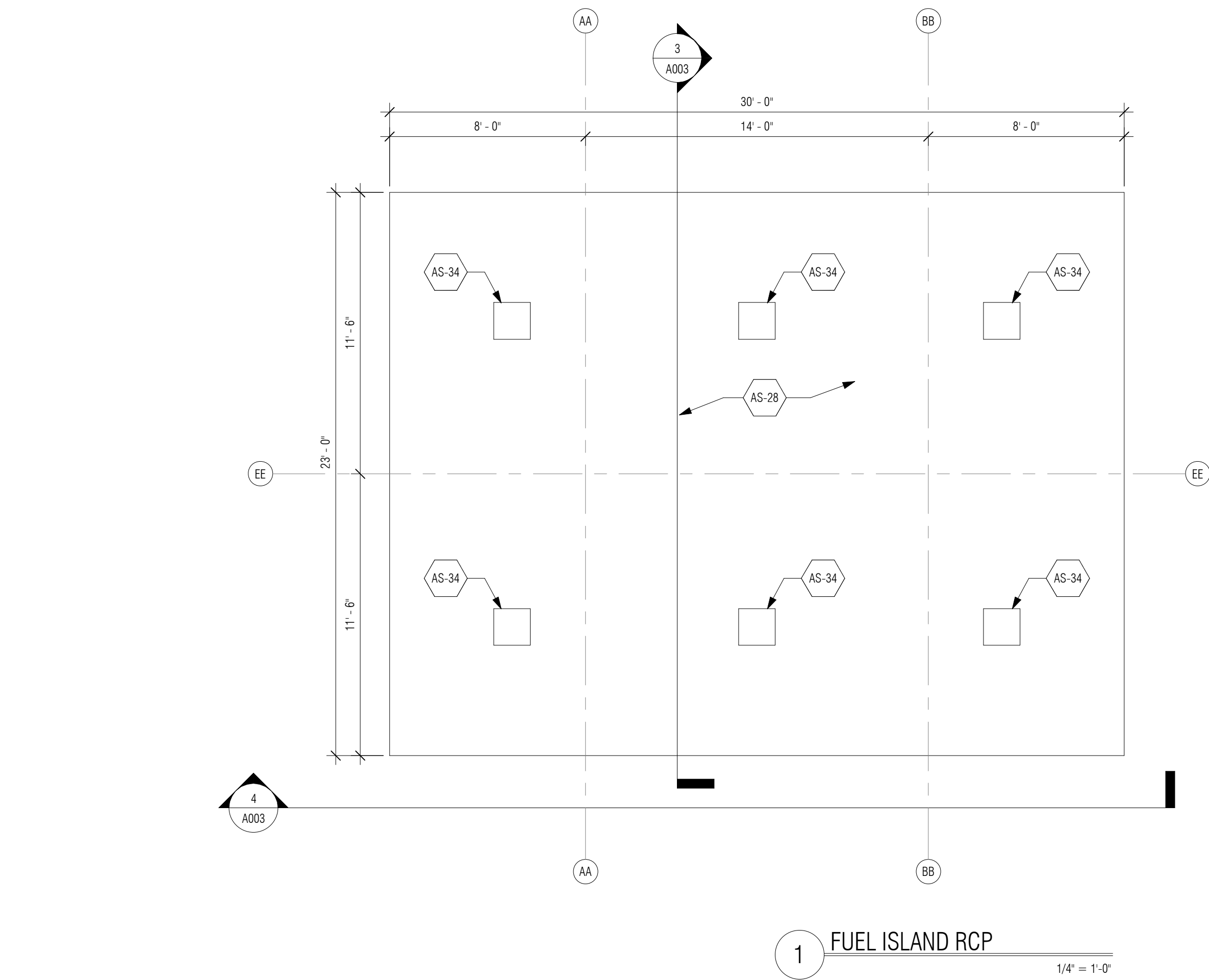
Project Number Designer

PROJECT NUMBER DATE

Author Checker
DRAWN BY CHECKED BY

SHEET NO:

A002



SITE KEYNOTES:

- AS-1 VEHICLE MAINTENANCE FACILITY
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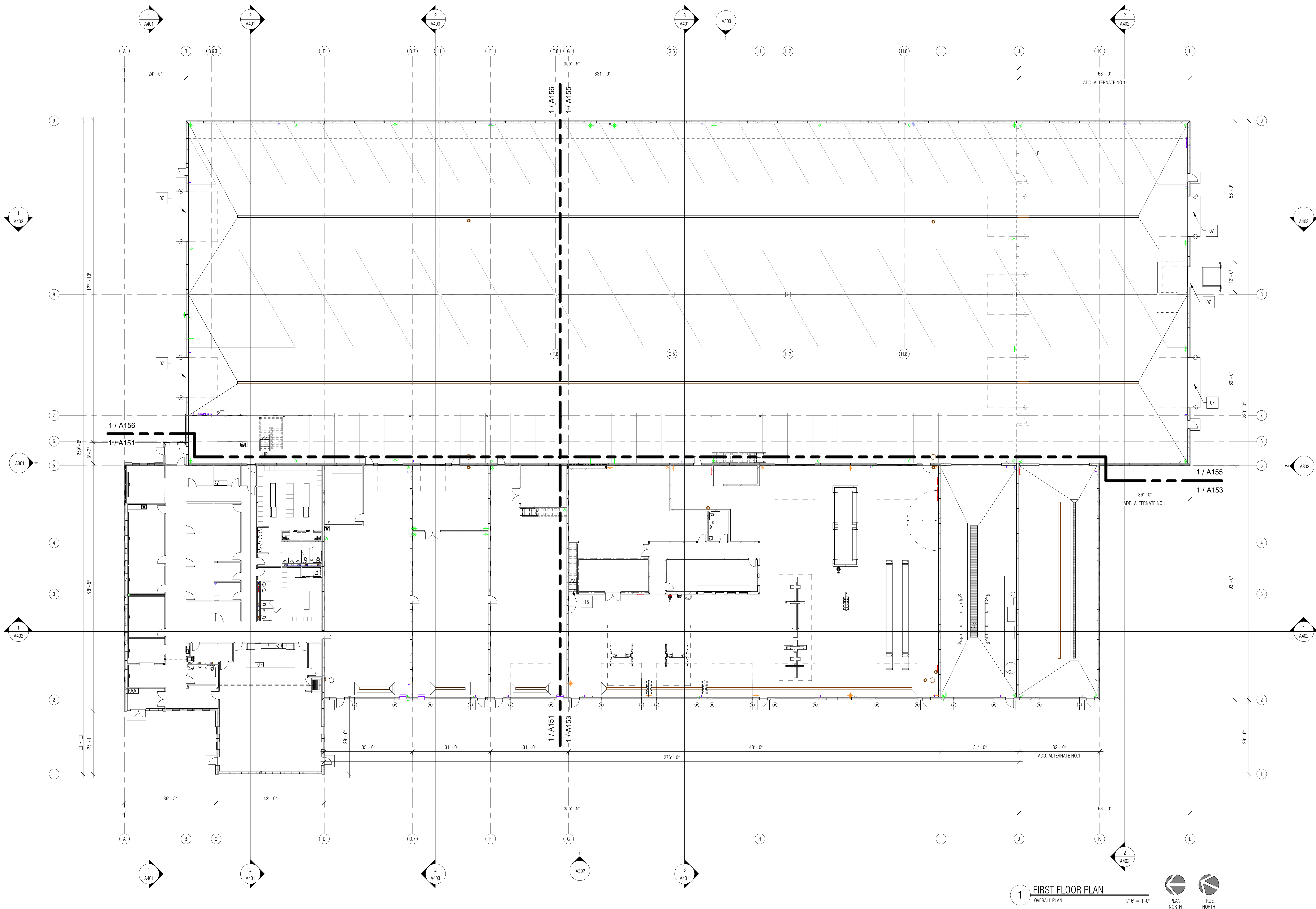
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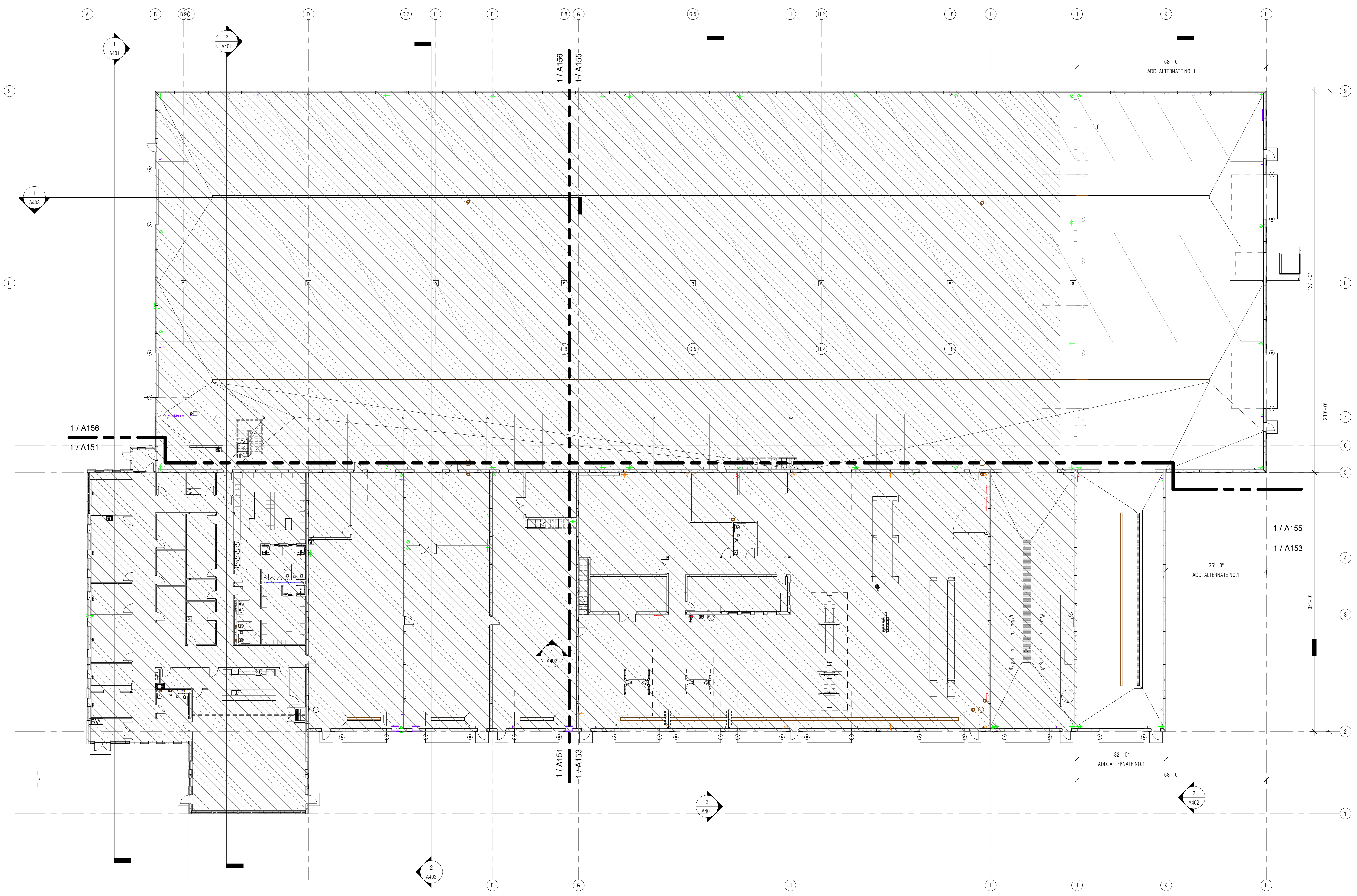


PLAN KEYNOTES:

1 PRECAST INSULATED WALL PANEL - SEE ELEVATION FOR FINISH	13 INTERIOR WOOD DOOR AND HOLLOW METAL FRAME. RETURN WALL FINISH TO DOOR FRAME. SEE SCHEDULE FOR INFORMATION	25 4" CONCRETE HOUSEKEEPING PAD - VERIFY LOCATION AND SIZE WITH MECHANICAL EQUIPMENT	37 WALL MOUNTED URINAL - SEE MECHANICAL FOR DETAILS/NOTES	49 REFRIGERATOR - PROVIDE ELECTRICAL OUTLET - SEE SPECIFICATION FOR MODEL INFORMATION	61 FOUR POST SURFACE MOUNT VEHICLE LIFT
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06 EXTERIOR HOLLOW METAL DOOR AND FRAME. PAINT PER SCHEDULE. SEE SCHEDULE FOR INFORMATION. PROVIDE STRUCTURAL STOOP AT ALL EXTERIOR DOORS	18 LUBE REEL AND LUBE REEL SUPPORT BEAM - SEE MECHANICAL/STRUCTURAL	30 UNDERCARRIAGE WASH BY PROVIDER. CONTROLS BY PROVIDER. CONTRACTOR TO PROVIDE (2) SHUT OFF SWITCHES FOR UNDERCARRIAGE WASH - COORD. WITH ELECTRICAL	42 WOOD BENCH - BOLT TO FLOOR	54 EMERGENCY EYE WASH STATION - SEE MECHANICAL	
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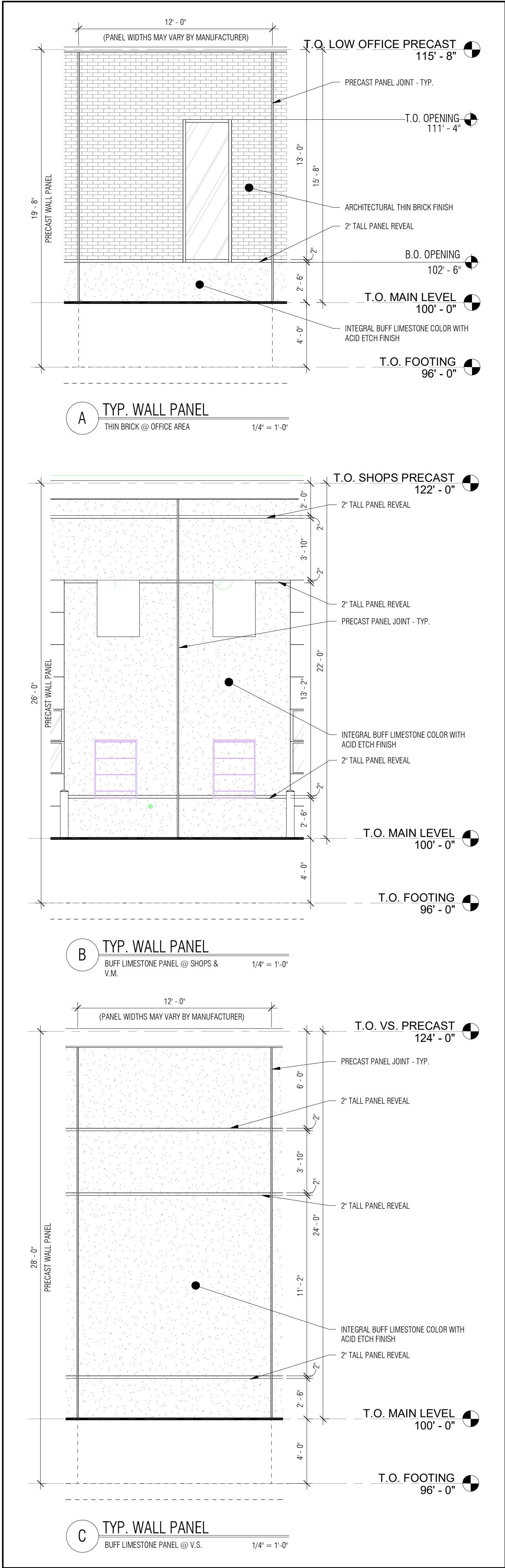
REVISIONS:

No.	Date	Description



PLAN KEYNOTES:

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BUILDING ELEVATION KEYNOTES:

- 01 INSULATED ARCHITECTURAL PRECAST CONCRETE WALL PANELS - BUFF LIMESTONE INTEGRAL COLOR WITH ACID ETCHED FINISH - 2" REVEAL PATTERN. SEE WALL PANEL DETAIL FOR MORE INFO.

02 INSULATED ARCHITECTURAL PRECAST CONCRETE WALL PANELS - THIN BRICK FINISH @ OFFICE AREA ONLY. SEE WALL PANEL DETAIL FOR MORE INFO.

03 PRE-FINISHED FLUSH FACE MTL. PANEL (MP-01)

04 PRE-FINISHED RIBBED MTL. PANEL WITH CONCEALED FASTENERS (MP-02)

05 TRANSLUCENT WALL PANEL SYSTEM - SEE WINDOW SCHEDULE FOR MORE INFO.

06 PRE-FINISHED ALUM. STOREFRONT WINDOW SYSTEM (SF-01) - SEE WINDOW SCHEDULE FOR GLAZING TYPE AND SYSTEM INFO.

07 NOT USED

08 PRE-FINISHED (2) TWO PIECE MTL. PARAPET CAP

09 PRE-FINISHED WOOD GRAIN MTL. PANEL (MP-03)
- 10 EXTERIOR H.M. DOOR AND FRAME, PAINT - SEE DOOR SCHEDULE FOR MORE INFO.

11 EXTERIOR FRP DOOR AND FRAME, PAINT - SEE DOOR SCHEDULE FOR MORE INFO.

12 EXTERIOR PRE-FINISHED O.H. SECTIONAL DOOR - SEE DOOR SCHEDULE FOR MORE INFO.

13 PRE-FINISHED MTL. THRU-WALL SCUPPER AND/OR DOWNSPOUT

14 CONCRETE FILLED 6" DIA. STEEL PIPE BOLLARD, PROVIDE PLASTIC BOLLARD COVERS AT EXTERIOR - TYP. PAINT AT INTERIOR - TYP.

15 MTL. ROOF ACCESS LADDER WITH FALL ARRESTOR

16 FIRE DEPARTMENT CONNECTION - SEE MECH.

17 ROOF TOP UNIT - SEE MECH.

18 LED WALL PACK LIGHTING - SEE ELECTRICAL
- 19 12" ANODIZED ALUM. BUILDING SIGNAGE

20 PRE-FINISHED BRAKE MTL.

21 EXTERIOR PRE-FINISHED POLY CARBONATE O.H. SECTIONAL DOOR - SEE DOOR SCHEDULE FOR MORE INFO.

22 42"x30" LOUVER - SEE MECH.

23 ??

24 ??

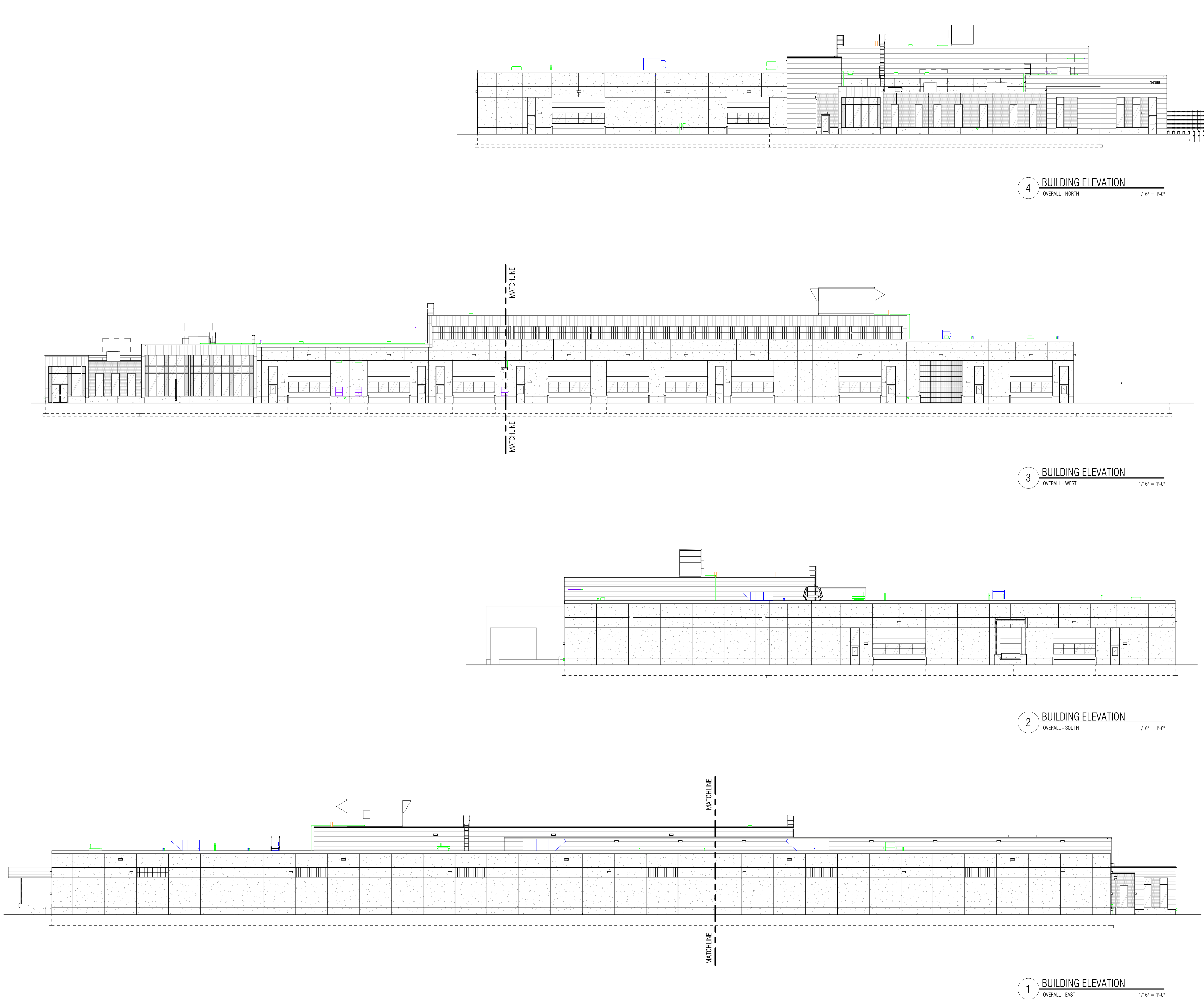
25 ??

26 ??

27 ??

GENERAL NOTES:

FOR WINDOW AND GLAZING TYPES SEE A8??



NOTES:
Project Status

Not for Construction

50% Construction Document Set for Pricing

PROJECT NAME:
RAMSEY PUBLIC WORKS FACILITY
CITY OF RAMSEY

14100 Jasper St NW
Ramsey, MN 55303

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: ANDREW N. COOPER
46485
LICENSE # 05/07/20
DATE

SHEET NAME:

OVERALL BUILDING ELEVATIONS

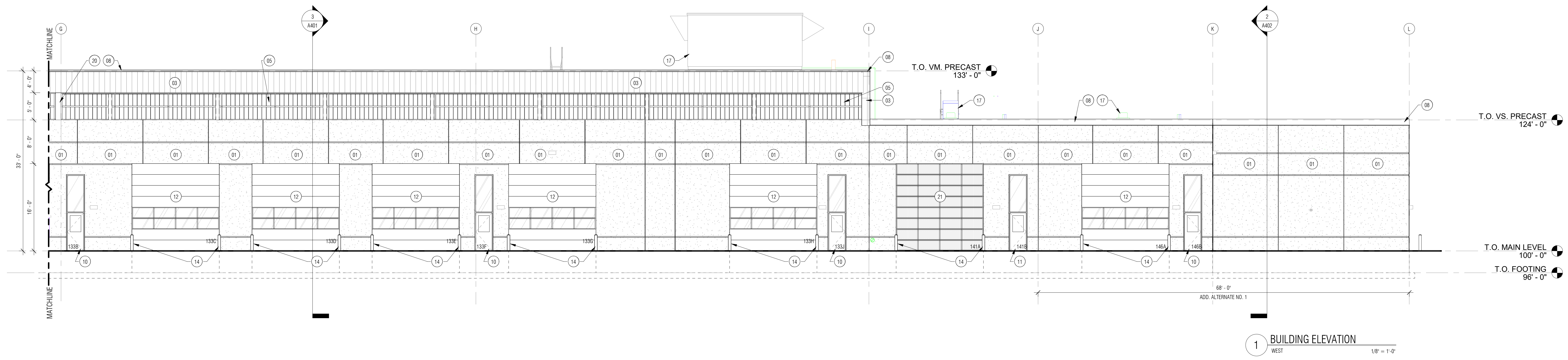
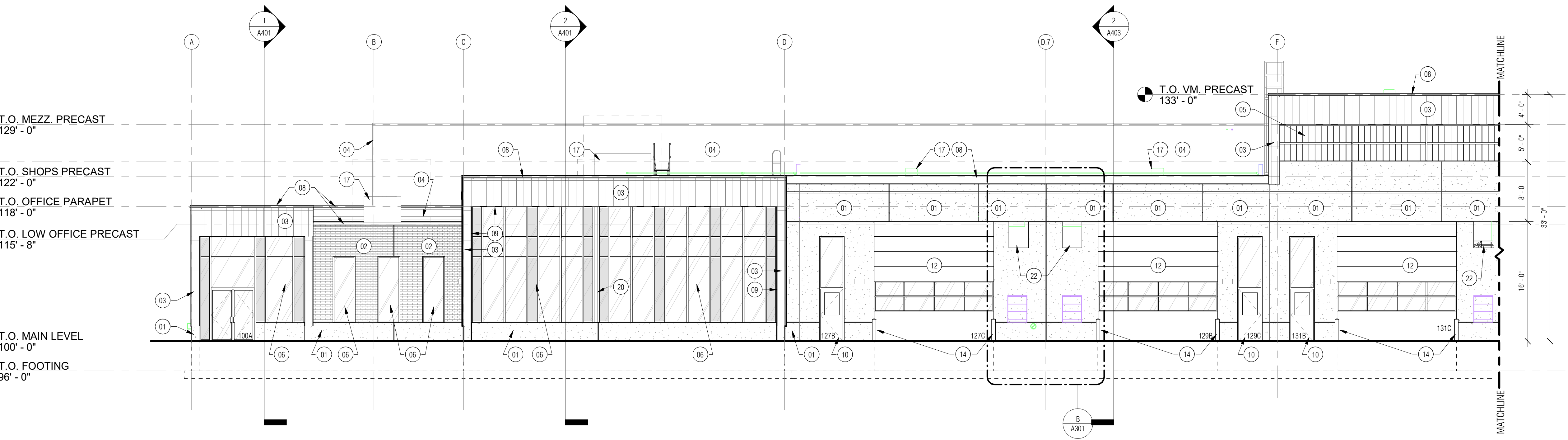
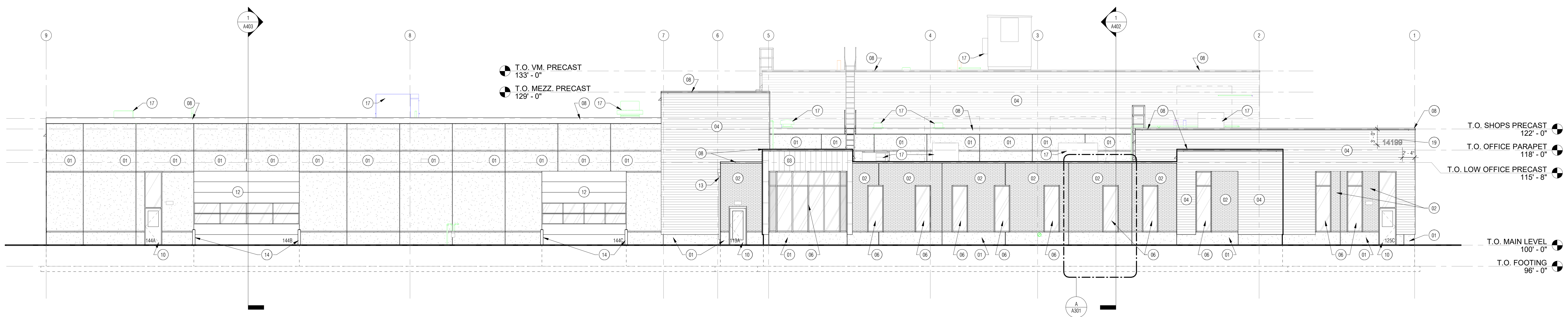
REVISIONS:		
No.	Date	Description

Project Number Designer
PROJECT NUMBER DATE
Author Checker
DRAWN BY CHECKED BY

SHEET NO:

A301

REVISIONS:		
No.	Date	Description



BUILDING ELEVATION KEYNOTES:		
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02 INSULATED ARCHITECTURAL PRECAST CONCRETE WALL PANELS - THIN BRICK FINISH @ OFFICE AREA ONLY. SEE WALL PANEL DETAIL FOR MORE INFO.	11 EXTERIOR FRP DOOR AND FRAME, PAINT - SEE DOOR SCHEDULE FOR MORE INFO.	20 PRE-FINISHED BRAKE MTL.
03 PRE-FINISHED FLUSH FACE MTL. PANEL (MP-01)	12 EXTERIOR PRE-FINISHED O.H. SECTIONAL DOOR - SEE DOOR SCHEDULE FOR MORE INFO.	21 EXTERIOR PRE-FINISHED POLY CARBONATE O.H. SECTIONAL DOOR - SEE DOOR SCHEDULE FOR MORE INFO.
04 PRE-FINISHED RIBBED MTL. PANEL WITH CONCEALED FASTENERS (MP-02)	13 PRE-FINISHED MTL. THRU-WALL SCUPPER AND/OR DOWNSPOUT	22 42"x30" LOUVER - SEE MECH.
05 TRANSLUCENT WALL PANEL SYSTEM - SEE WINDOW SCHEDULE FOR MORE INFO.	14 CONCRETE FILLED 6" DIA. STEEL PIPE BOLLARD, PROVIDE PLASTIC BOLLARD COVERS AT EXTERIOR - TYP. PAINT AT INTERIOR - TYP.	23 ??
06 PRE-FINISHED ALUM. STOREFRONT WINDOW SYSTEM (SF-01) - SEE WINDOW SCHEDULE FOR GLAZING TYPE AND SYSTEM INFO.	15 MTL. ROOF ACCESS LADDER WITH FALL ARRESTOR	24 ??
07 NOT USED	16 FIRE DEPARTMENT CONNECTION - SEE MECH.	25 ??
08 PRE-FINISHED (2) TWO PIECE MTL. PARAPET CAP	17 ROOF TOP UNIT - SEE MECH.	26 ??
09 PRE-FINISHED WOOD GRAIN MTL. PANEL (MP-03)	18 LED WALL PACK LIGHTING - SEE ELECTRICAL	27 ??

GENERAL NOTES:
FOR WINDOW AND GLAZING TYPES -- SEE A877

CONSULTANT:

NOTES:
Project Status

Not for Construction
50% Construction Document Set for Pricing

RAMSEY PUBLIC WORKS FACILITY
CITY OF RAMSEY

1409 Jasper St NW
Ramsey, MN 55303

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: ANDREW N. COOPER
46485
LICENSE
DATE: 05/11/20
SHEET NAME:

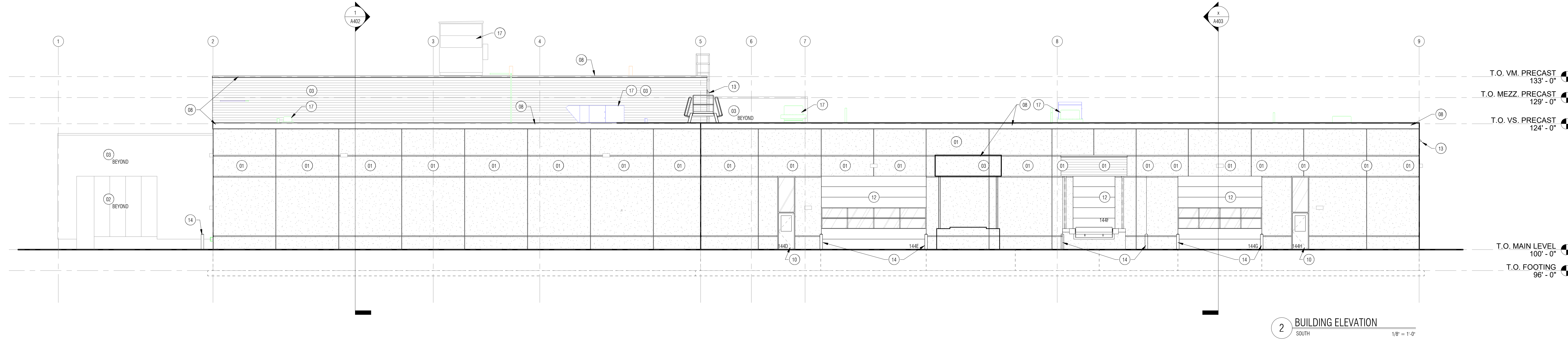
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DESIGNER: DESIGNER
AUTHOR: AUTHOR
DRAWN BY: DRAWN BY
CHECKER: CHECKER

REVISIONS:		
No.	Date	Description

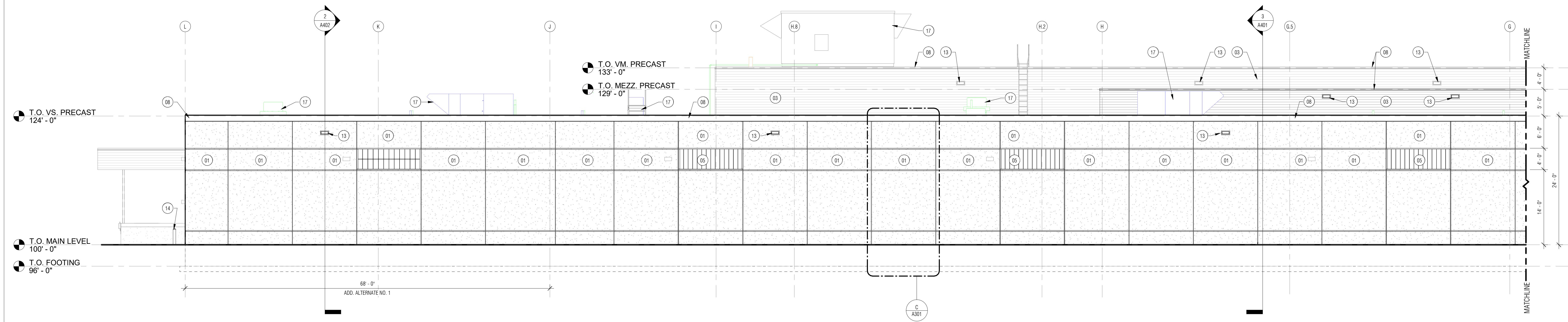
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Author: AUTHOR
Drawn By: DRAWN BY
Checked By: CHECKED BY

SHEET NO:

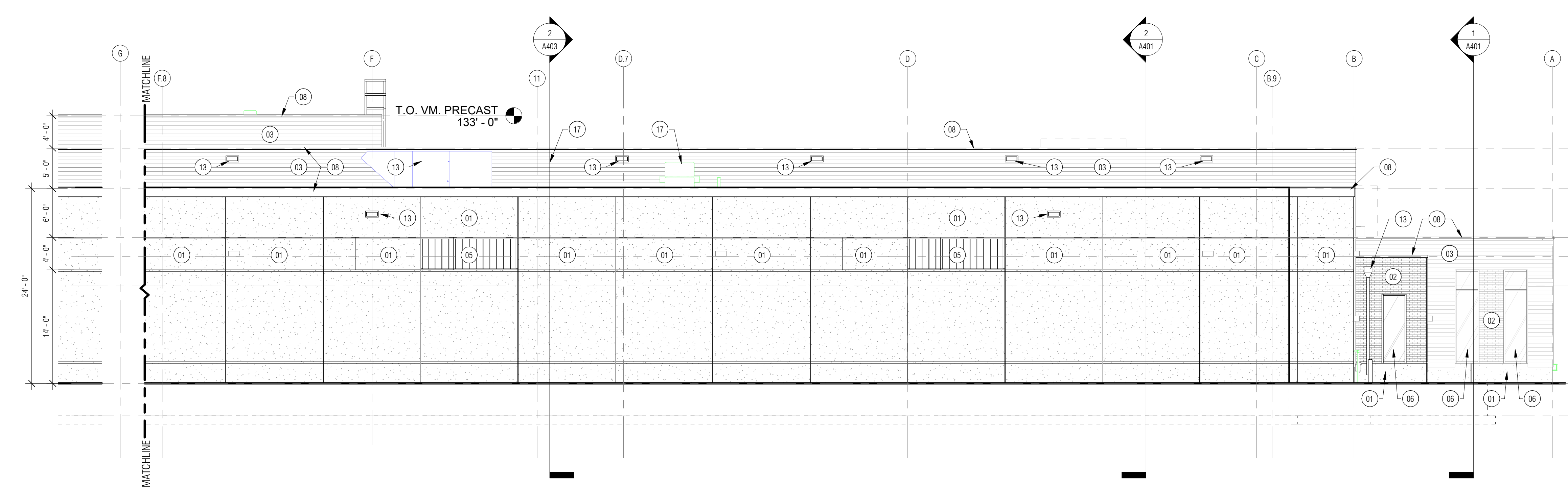
A303



2 BUILDING ELEVATION
SOUTH
1/8" = 1'-0"



2 BUILDING ELEVATION
SOUTH
1/8" = 1'-0"



1 BUILDING ELEVATION
EAST
1/8" = 1'-0"

BUILDING ELEVATION KEYNOTES:

- | | | |
|---|---|--|
| 01 INSULATED ARCHITECTURAL PRECAST CONCRETE WALL PANELS - BUFF LIMESTONE INTEGRAL COLOR WITH ACID ETCHED FINISH - 2" REVEAL PATTERN. SEE WALL PANEL DETAIL FOR MORE INFO. | 10 EXTERIOR H.M. DOOR AND FRAME, PAINT - SEE DOOR SCHEDULE FOR MORE INFO. | 19 12" TALL ANODIZED ALUM. BUILDING SIGNAGE |
| 02 INSULATED ARCHITECTURAL PRECAST CONCRETE WALL PANELS - THIN BRICK FINISH @ OFFICE AREA ONLY. SEE WALL PANEL DETAIL FOR MORE INFO. | 11 EXTERIOR FRP DOOR AND FRAME, PAINT - SEE DOOR SCHEDULE FOR MORE INFO. | 20 PRE-FINISHED BRAKE MTL. |
| 03 PRE-FINISHED FLUSH FACE MTL. PANEL (MP-01) | 12 EXTERIOR PRE-FINISHED O.H. SECTIONAL DOOR - SEE DOOR SCHEDULE FOR MORE INFO. | 21 EXTERIOR PRE-FINISHED POLY CARBONATE O.H. SECTIONAL DOOR - SEE DOOR SCHEDULE FOR MORE INFO. |
| 04 PRE-FINISHED RIBBED MTL. PANEL WITH CONCEALED FASTENERS (MP-02) | 13 PRE-FINISHED MTL. THRU-WALL SCUPPER AND/OR DOWNSPOUT | 22 42"x30" LOUVER - SEE MECH. |
| 05 TRANSLUCENT WALL PANEL SYSTEM - SEE WINDOW SCHEDULE FOR MORE INFO. | 14 CONCRETE FILLED 6" DIA. STEEL PIPE BOLLARD, PROVIDE PLASTIC BOLLARD COVERS AT EXTERIOR - TYP. PAINT AT INTERIOR - TYP. | 23 ?? |
| 06 PRE-FINISHED ALUM. STOREFRONT WINDOW SYSTEM (SF-01) - SEE WINDOW SCHEDULE FOR GLAZING TYPE AND SYSTEM INFO. | 15 MTL. ROOF ACCESS LADDER WITH FALL ARRESTOR | 24 ?? |
| 07 NOT USED | 16 FIRE DEPARTMENT CONNECTION - SEE MECH. | 25 ?? |
| 08 PRE-FINISHED (2) TWO PCE MTL. PARAPET CAP | 17 ROOF TOP UNIT - SEE MECH. | 26 ?? |
| 09 PRE-FINISHED WOOD GRAIN MTL. PANEL (MP-03) | 18 LED WALL PACK LIGHTING - SEE ELECTRICAL | 27 ?? |

GENERAL NOTES:

FOR WINDOW AND GLAZING TYPES -- SEE A8??

CONSULTANT:

NOTES:
Project Status

Not for Construction

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PROJECT NAME:
RAMSEY PUBLIC WORKS FACILITY
CITY OF RAMSEY

14109 Jasper St NW
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SIGNATURE: ANDREW N. COOPER

46485 07/22/02
LICENSE # DATE

SHEET NAME:

BUILDING SECTIONS

REVISIONS:

No.	Date	Description

Project Number Designer

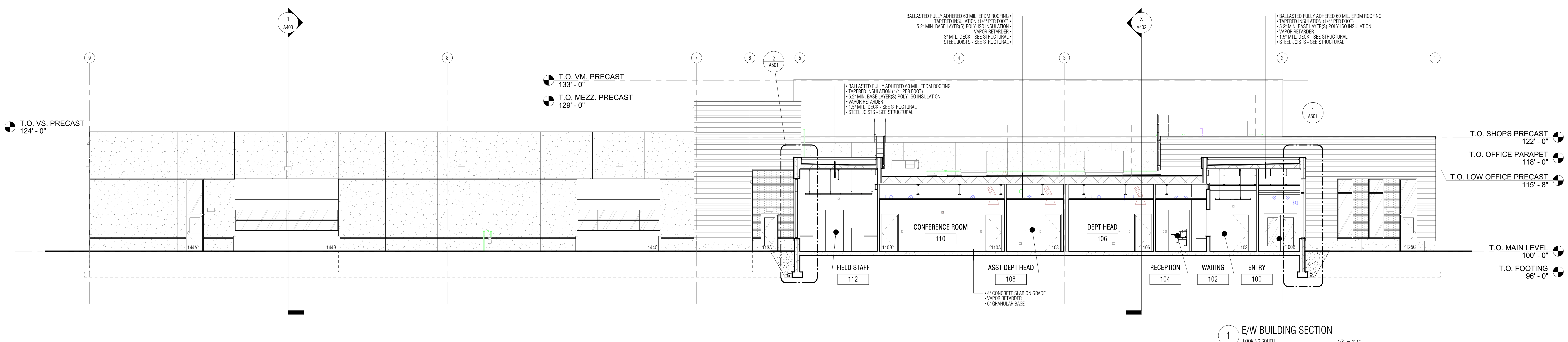
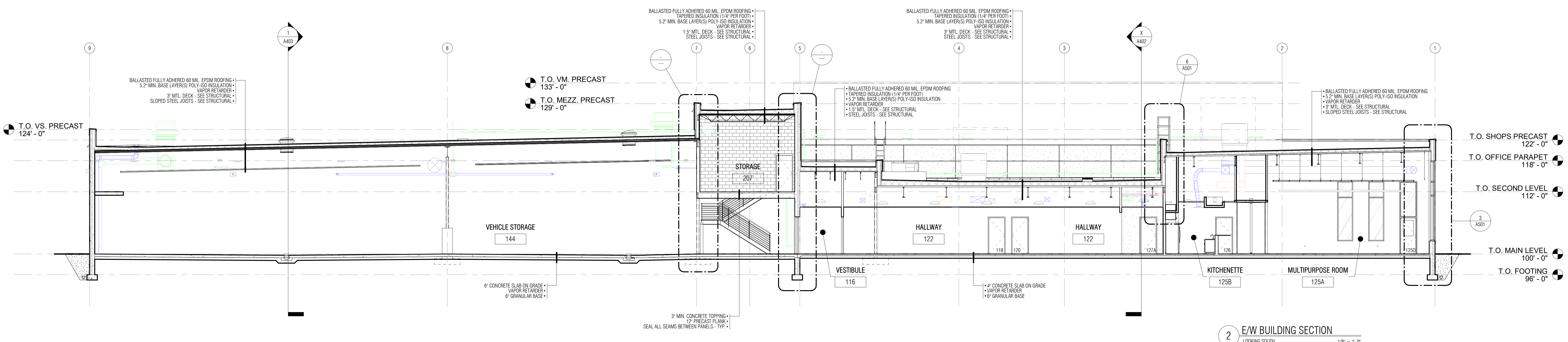
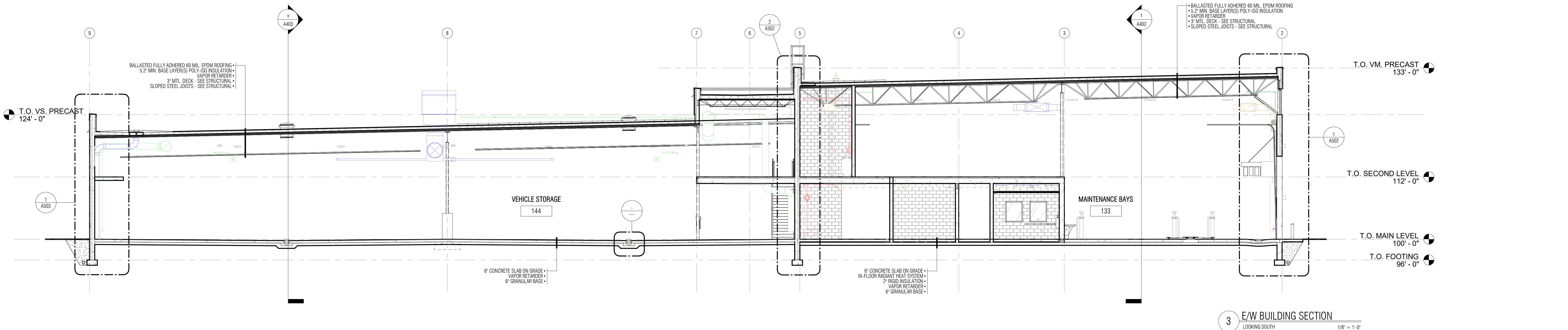
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Author Checker

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SHEET NO:

A401



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CITY OF RAMSEY

1409 Jasper St NW
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46485
LICENSE # 05/05/20
DATE

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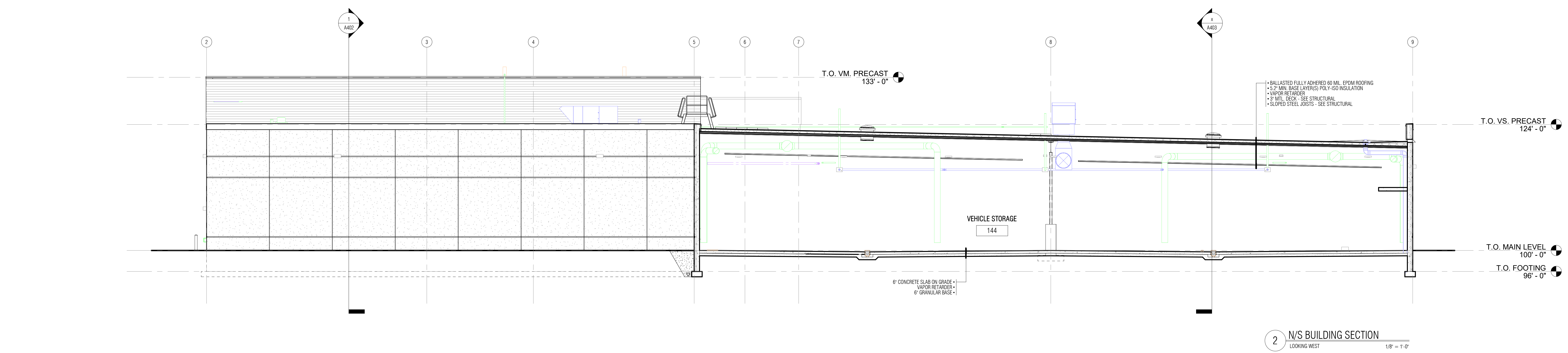
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REVISIONS:		
No.	Date	Description

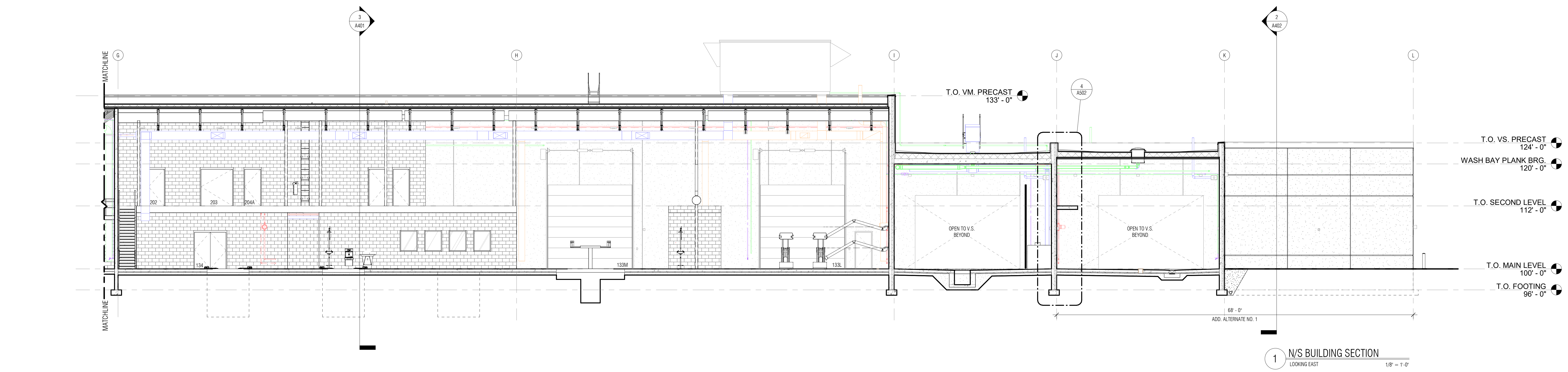
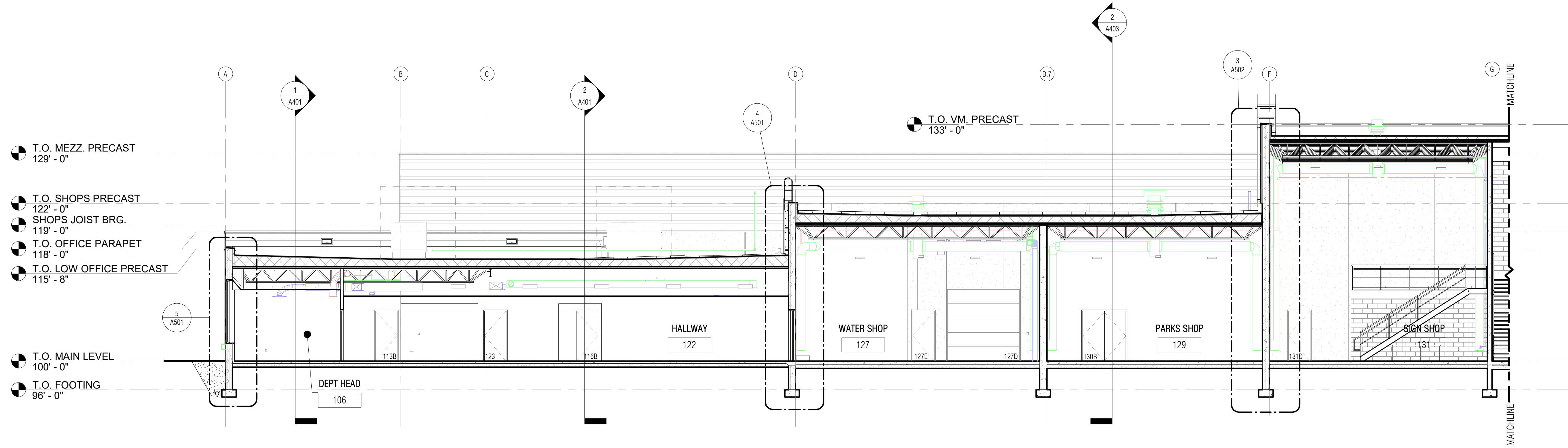
Project Number Designer
PROJECT NUMBER DATE
Author Checker
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SHEET NO:

A402



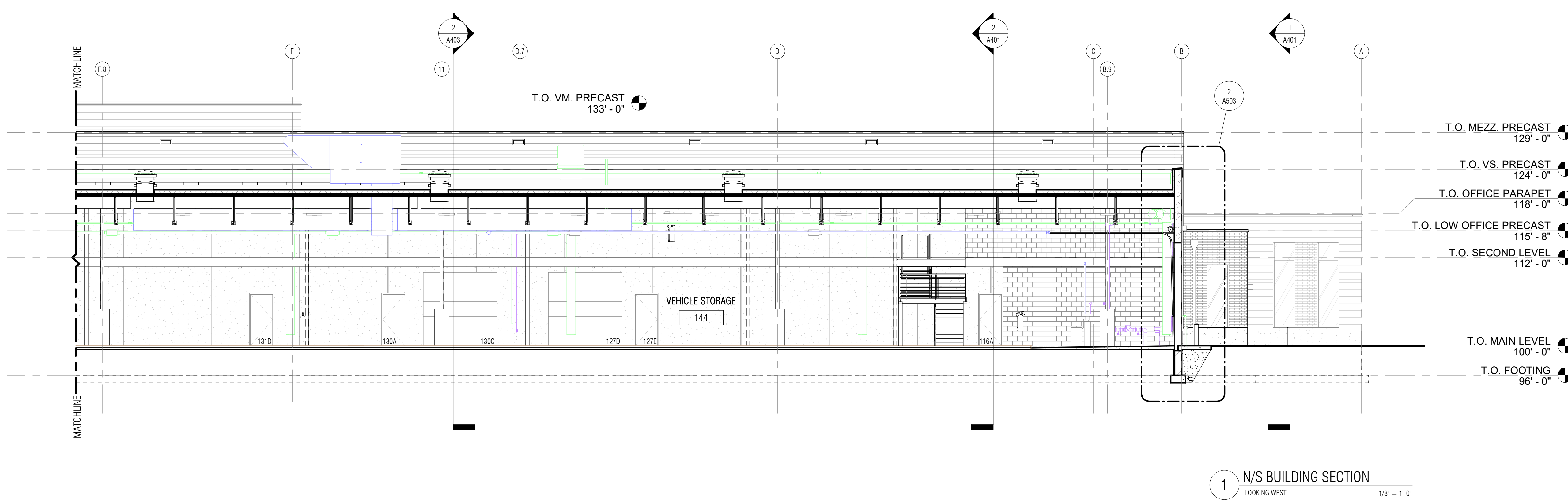
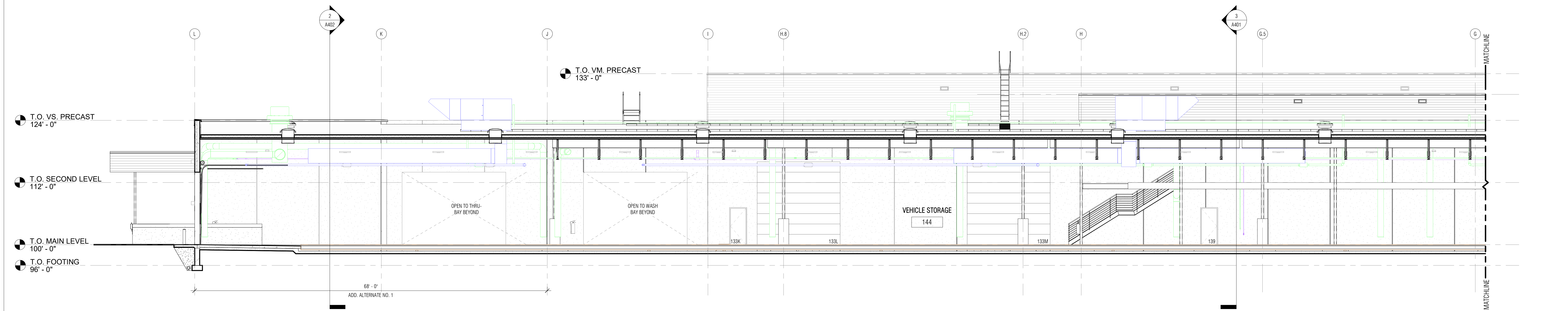
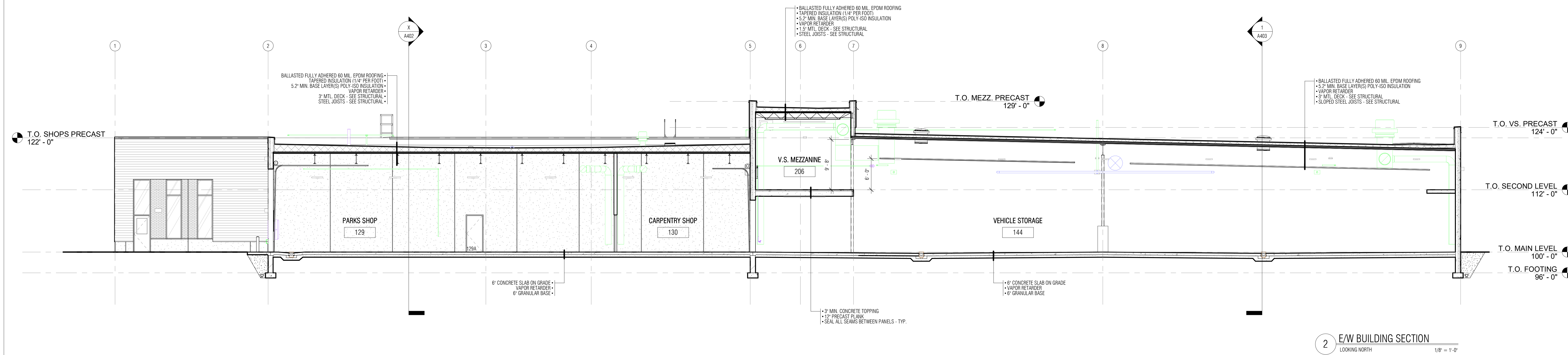
2 N/S BUILDING SECTION
LOOKING WEST
1/8" = 1'-0"



CONSULTANT:

NOTES:
Project Status

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RAMSEY PUBLIC WORKS FACILITY
CITY OF RAMSEY

14109 Jasper St NW
Ramsey, MN 55303

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SIGNATURE: ANDREW N. COOPER
46485
LICENSE # DATE 05/07/20

SHEET NAME:

BUILDING SECTIONS

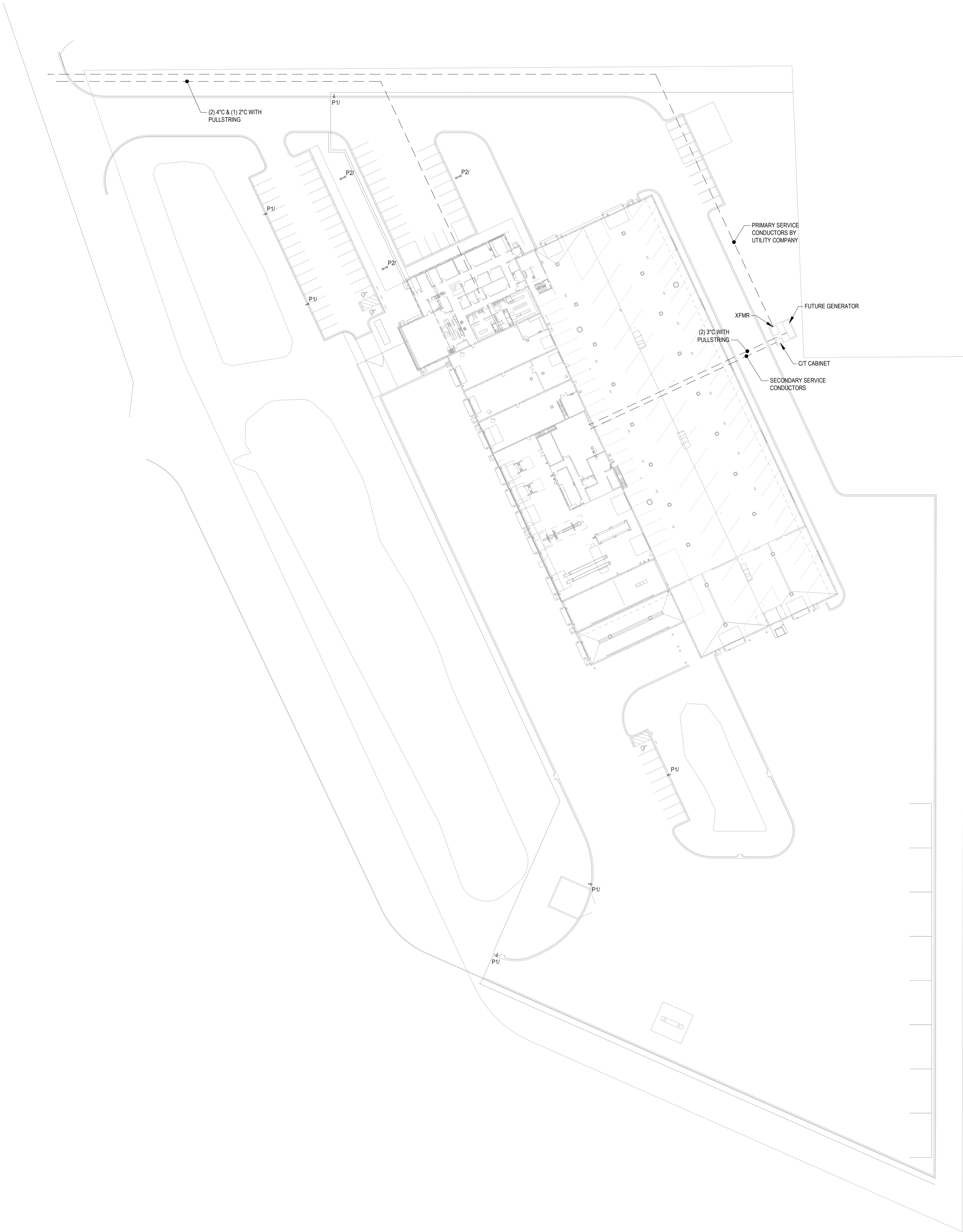
REVISIONS:		
No.	Date	Description

Project Number Designer
PROJECT NUMBER DATE
Author Checker
DRAWN BY CHECKED BY

SHEET NO:

A403

1 ELECTRICAL SITE PLAN
 SCALE: 1"= 50'-0"



GENERAL NOTES:

- A. NOTE A.
 B. NOTE B.

KEY NOTES:

1. NOTE 1.
 2. NOTE 2.

CLIENT:

Owner



CONSULTANT:



Emanuelson-Podas, Inc.
 7709 Bush Lake Road
 Edina, MN 55439
 (952) 930-0050 | www.epinc.com

NOTES:

Project Status

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PROJECT NAME:

RAMSEY PUBLIC WORKS FACILITY

Owner

14100 Jasper St NW
 Ramsey, MN 55303

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SIGNATURE:

LICENSE #

DATE

SHEET NAME:

ELECTRICAL SITE PLAN

REVISIONS:

No.	Date	Description

Project Number Designer

PROJECT NUMBER DATE

Author Checker

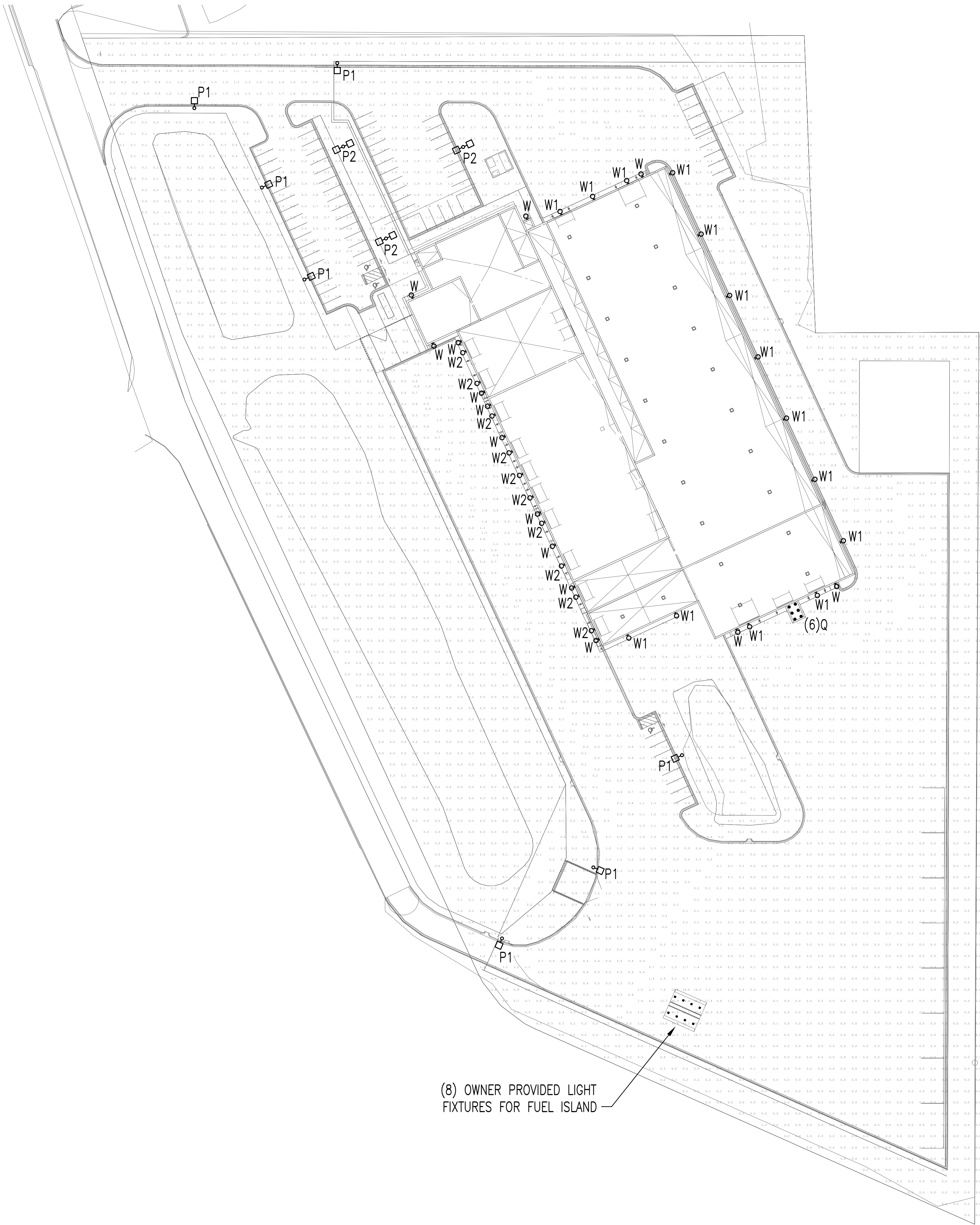
DRAWN BY CHECKED BY

SHEET NO:

E002

Luminaire Schedule							
Tag	Symbol	Description	Qty	Label	Arrangement	Total Lamp Lumens	LLF
P1/P2	□	DSX0 LED P5 40K T3M MVOLT	13	DSX0 LED P5 40K T3M MVOLT	SINGLE	N.A.	0.903
W	○	WDGE1 LED P1 40K 80CRI VF	14	WDGE1 LED P1 40K 80CRI VF	SINGLE	N.A.	0.903
W1	○	WDGE3 LED P3 70CRI R4 40K	14	WDGE3 LED P3 70CRI R4 40K	SINGLE	N.A.	0.903
W2	○	WDGE3 LED P3 70CRI RFT 40K	10	WDGE3 LED P3 70CRI RFT 40K	SINGLE	N.A.	0.903
OWNER PROVIDED	□	SCV-LED-10L-SC-40	8	SCV-LED-10L-SC-40	SINGLE	N.A.	0.903
Q	⊗	1315 FCW3360-120V-4K	6	Report#1315 FCW3360-120V-4K	SINGLE	N.A.	0.903

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Drive Lanes	Illuminance	Fc	2.05	17.0	0.1	20.50	170.00
Prop Line	Illuminance	Fc	0.35	49.1	0.0	N.A.	N.A.



1701 Saint Clair Avenue
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Emanuelson-Podas, Inc.
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Edina, MN 55439
(952) 930-0050 | www.epinc.com

NOTES:
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RAMSEY PUBLIC WORKS FACILITY
Owner

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Ramsey, MN 55303

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LICENSE #

DATE

SHEET NAME:

MECHANICAL SITE PLAN

REVISIONS:

No.	Date	Description

Project Number	Designer
PROJECT NUMBER	DATE
Author	Checker
DRAWN BY	CHECKED BY

SHEET NO:

M001

1 MECHANICAL SITE PLAN
SCALE: 1" = 50'-0"

PLOTTED: 6/1/2020 12:56:55 PM PROJECT NAME: RAMSEY PUBLIC WORKS FACILITY

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S.E. BUILDING PERSPECTIVE



N.E. BUILDING PERSPECTIVE