



LOCATION MAP



ABBREVIATIONS:

AC	ACRE	CJ	CONTROL JOINT	EOF	EMERGENCY OVERFLOW	GL	GUTTER LINE	IPS	IRON PIPE SIZE	NWL	NORMAL WATER LEVEL	RCP	REINFORCED CONCRETE PIPE	THRU	THROUGH
ADA	AMERICANS WITH DISABILITIES ACT	CL	CENTERLINE	EQ	EQUAL	IGM	GALLONS PER MINUTE	J-BOX	JUNCTION BOX	OC	ON CENTER	RD	ROOF DRAIN	TNHF	TOP NUT OF FIRE HYDRANT
ADD	ADDENDUM	CMP	CORRUGATED METAL PIPE	EX	EXISTING	GV	GATE VALVE	JT	JOINT	OCEW	ON CENTER EACH WAY	REBAR	REINFORCING BAR	TRANS	TRANSFORMER
AFF	ABOVE FINISHED FLOOR	CO	CLEANOUT	FOC	FIRE DEPARTMENT CONNECTION	HDPE	HIGH DENSITY POLYETHYLENE	LF	LINEAR FEET	OH	OVERHEAD	REM	REMOVE	TV	TELEVISION
AGG	AGGREGATE	CONC	CONCRETE	FDN	FOUNDATION	HD	HEAVY DUTY	LIN	LINEAR	OHD	OVERHEAD DOOR	ROW	RIGHT OF WAY	T/W	TOP OF WALL
APPROX	APPROXIMATE	CONC	CONSTRUCTION	FES	FLARED END SECTION	HH	HANDHOLE	LPS	LOW PRESSURE STEAM	OZ	OUNCE	R/W	RIGHT OF WAY	TYP	TYPICAL
ARCH	ARCHITECT, ARCHITECTURAL	CONT	CONTINUOUS	FFE	FINISHED FLOOR ELEVATION	HORIZ	HORIZONTAL	LS	LUMP SUM	PEZ	PEDESTAL, PEDESTRIAN	SAN	SANITARY	UT	UTILITY, UNDERGROUND
BF	BASEMENT FLOOR ELEVATION	CY	CUBIC YARD	FFM	FEET PER MINUTE	HR	HOUR	LSO	LOWEST STRUCTURAL OPENING	PERF	PERFORATED	SCH	SCHEDULE	UT	UTILITY, UNDERGROUND
BITE	BITUMINOUS	C&G	CURB AND GUTTER	FPS	FEET PER SECOND	HWL	HIGH WATER LEVEL	MAX	MAXIMUM	PL	PROPERTY LINE	SF	SQUARE FOOT	VCP	VITRIFIED CLAY PIPE
CAD	COMPUTER-AIDED DESIGN	DEMO	DEMOLITION	FT	FOOT, FEET	HWY	HIGHWAY	MB	MAIL BOX	PP	POLYPROPYLENE	SPEC	SPECIFICATION	W/O	WITHOUT
CB	CATCH BASIN	DIA	DIAMETER	FTG	FOOTING	HYD	HYDRANT	MECH	MECHANICAL	PSI	POUNDS PER SQUARE INCH	SQ	SQUARE	W/	WITH
CFS	CUBIC FEET PER SECOND	DIM	DIMENSION	GA	GAUGE	I	INVERT	MH	MANHOLE	PVC	POLYVINYL CHLORIDE	STA	STATION	YD	YARD
CF	CUBIC FOOT	DS	DOWNSPOUT	GAL	GALLON	ID	INSIDE DIAMETER	MIN	MINIMUM	PVMT	PAVEMENT	SY	SQUARE YARD	YR	YEAR
CI	CAST IRON	EA	EACH	GALV	GALVANIZED	IN	INCH	MISC	MISCELLANEOUS	QTY	QUANTITY	T/C	TOP OF CURB		
CIP	CAST IRON PIPE	ELEC	ELECTRICAL	GC	GENERAL CONTRACTOR	INV	INVERT	NO	NUMBER	R	RIM	TEL	TELEPHONE		
CIPC	CAST IN PLACE CONCRETE	ELEV	ELEVATION	GFE	GARAGE FLOOR ELEVATION	IP	IRON PIPE	NTS	NOT TO SCALE	RAD	RADIUS	TEMP	TEMPORARY		

PROJECT ADDRESS / LOCATION:

**COR TWO AREA COMMERCIAL SITE DEVELOPMENT
RAMSEY, MN**

SECTION 28, T. 32, R. 25

SITE SUMMARY			
ZONING:	COR-2 (COMMERCIAL SUBDISTRICT)		
SITE/LOT AREA:	122,404 SQ. FT / 2.81 AC.		
IMPERVIOUS AREA:	92,800 SQ. FT / 2.13 AC. (75.8%)		
GREENSPACE PROVIDED:	29,604 SQ. FT / 0.68 AC. (24.2%)		
PARKING REQUIREMENTS (PER CITY CODE)			
TYPE	UNIT / AREA	STALLS REQUIRED	STALLS PROVIDED
GROCERY	2 / 500 SF	83	100
TOTAL:		83	100
SETBACKS			
	PARKING	BUILDING	
FRONT YARD	5'-0"	15' BUILD-TO	
SIDE YARD	5'-0"	15' BUILD-TO	
REAR YARD	5'-0"	15' BUILD-TO	
STREET FRONTAGE (SUNWOOD DR)	239.26' x 0.40	REQ. 95.7'	
PROVIDED FRONTAGE SCREENING: OUTDOOR PLAZA ON THE NORTH WITH 30 LF OF DECORATIVE SCREEN WALL. 55 LF OF DECORATIVE SCREEN WALL PROVIDED ON THE EAST			

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS, MINIMUM 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166).

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF RAMSEY REQUIREMENTS AND MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2020 EDITION, THE MnDOT SUPPLEMENTAL SPECIFICATIONS, SEPTEMBER 2022, THE STANDARD SPECIFICATIONS FOR SANITARY SEWER, STORM DRAIN AND WATERMAIN AS PROPOSED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA 2018, AND THE CURRENT VERSION OF THE MINNESOTA STATE PLUMBING CODE UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 1996 ADJUSTMENT (NAD83(1996)) ON THE ANOKA COUNTY COORDINATE SYSTEM, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN JULY 2016 BY VSB AND MARCH 2023 BY ISG.

B.M. ELEVATION=873.47

TOP NUT OF FIRE HYDRANT
LOCATED ALONG THE SOUTH
PROPERTY LINE OF THE SITE

LEGEND

EXISTING	
---	CITY LIMITS
---	SECTION LINE
---	QUARTER SECTION LINE
---	RIGHT OF WAY LINE
---	PROPERTY / LOT LINE
---	EASEMENT LINE
---	ACCESS CONTROL
---	WATER EDGE
---	WETLAND BOUNDARY
---	WETLAND / MARSH
---	FENCE LINE
---	CULVERT
---	STORM SEWER
---	SANITARY SEWER
---	SANITARY SEWER FORCEMAIN
---	WATER
---	GAS
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	UNDERGROUND TELEPHONE
---	UNDERGROUND TV
---	OVERHEAD UTILITY
---	UNDERGROUND UTILITY
---	UNDERGROUND FIBER OPTIC
---	990 CONTOUR (MAJOR)
---	989 CONTOUR (MINOR)
---	DECIDUOUS TREE
---	CONIFEROUS TREE
---	TREE LINE
---	MANHOLE/STRUCTURE
---	CATCH BASIN
---	HYDRANT
---	VALVE
---	CURB STOP
---	POWER POLE
---	UTILITY PEDESTAL / CABINET

PROPOSED	
---	LOT LINE
---	RIGHT OF WAY
---	EASEMENT
---	CULVERT
---	STORM SEWER
---	STORM SEWER (PIPE WIDTH)
---	SANITARY SEWER
---	SANITARY SEWER (PIPE WIDTH)
---	WATER
---	GAS
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	UNDERGROUND TV
---	1015 CONTOUR
---	MANHOLE
---	CATCH BASIN
---	HYDRANT
---	VALVE

CIVIL SHEET INDEX

C-010	SITE DATA
C-020	SITE DETAILS
C-021	SITE DETAILS
C-022	SITE DETAILS
C-023	SITE DETAILS
C-024	PYLON SIGN DETAIL
C-110	SWPPP NARRATIVE
C-111	SWPPP NARRATIVE
C-120	SWPPP DETAILS
C-130	PRE-CONSTRUCTION SWPPP
C-140	PROPOSED SWPPP
C-210	EXISTING SITE & REMOVA PLAN
C-300	OVERALL SITE PLAN
C-310	SITE PLAN
C-311	VEHICLE MOVEMENT PLAN
C-320	SITE UTILITY PLAN
C-410	GRADING PLAN
C-510	LANDSCAPE PLAN
C-520	LANDSCAPE DETAILS
C-610	SITE LIGHTING PHOTOMETRIC PLAN
C-620	SITE LIGHTING CATALOGUE PAGES

Issued: _____ Date: _____

A	CITY SUBMITTAL #1	05/12/23
B	CITY SUBMITTAL #2	06/06/23
C		
D		
E		

Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON
Ryan Anderson

DATE: 06/06/2023 LIC. NO.: 55938

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



**MANAGING LOCATION:
BLOOMINGTON OFFICE**
**7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699**

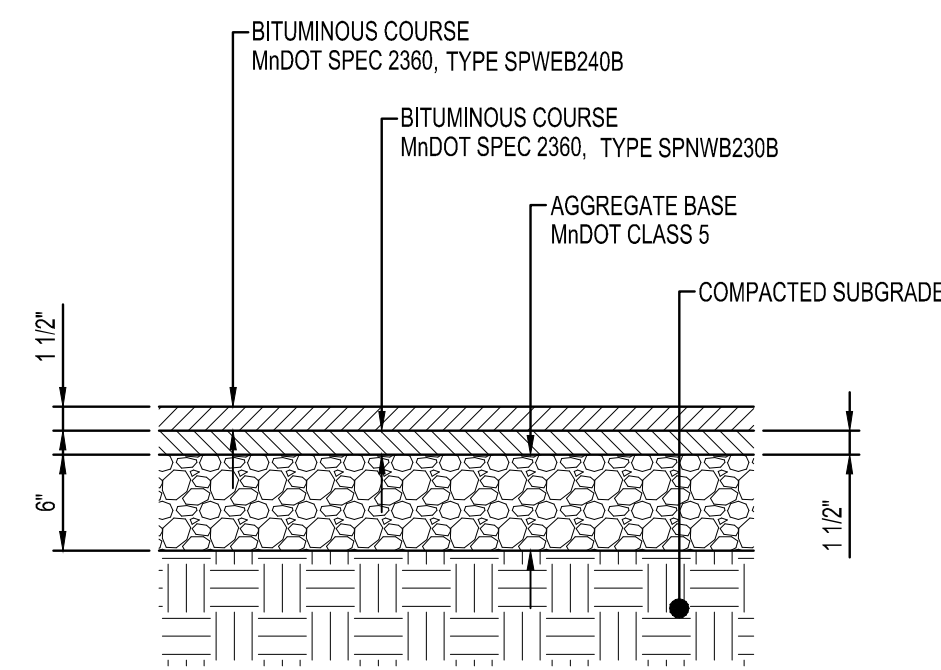


ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

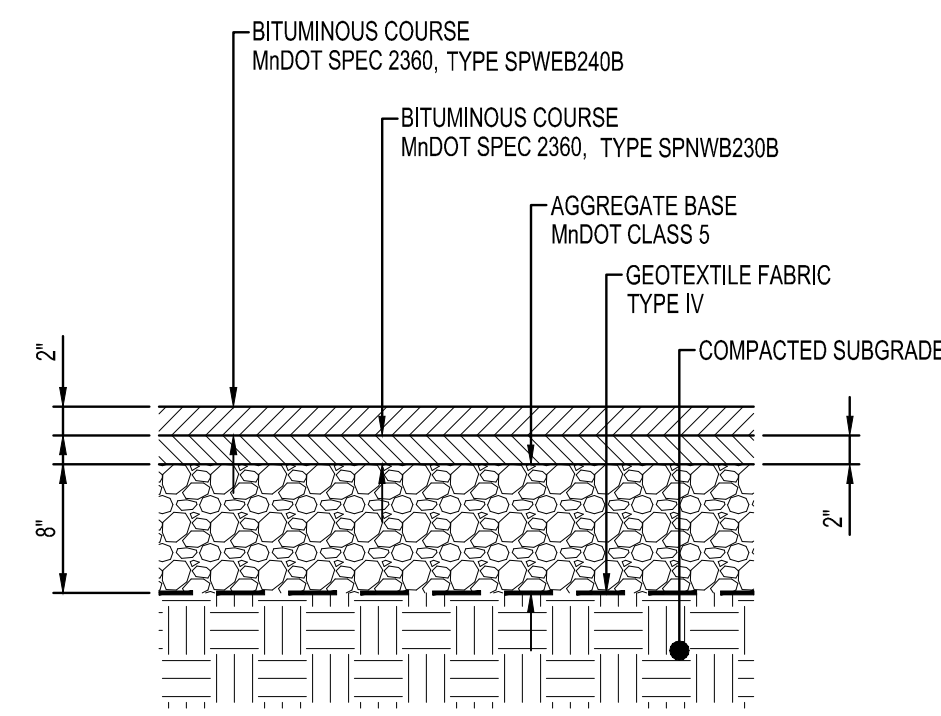
SITE DATA

Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-010
Reviewed By: RJA	Drawing No.

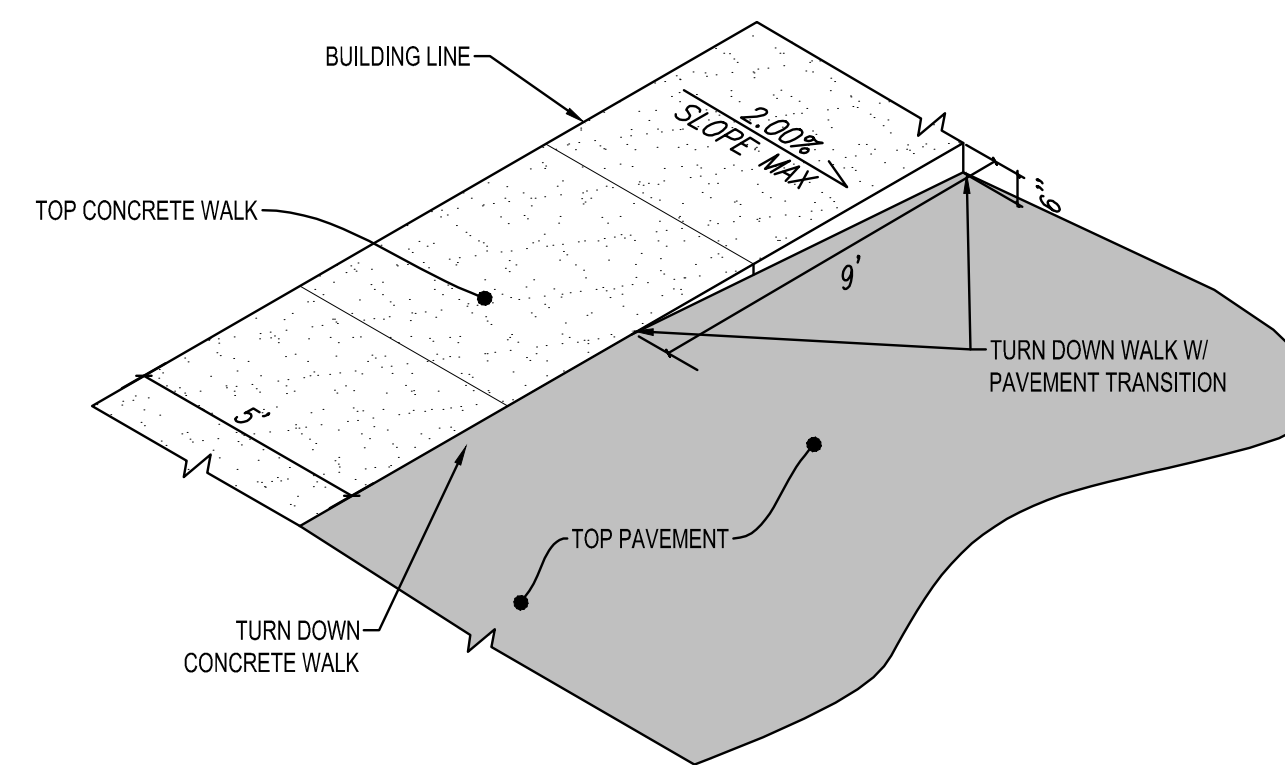
PRELIMINARY NOT FOR CONSTRUCTION



STANDARD BITUMINOUS PAVEMENT
N.T.S.

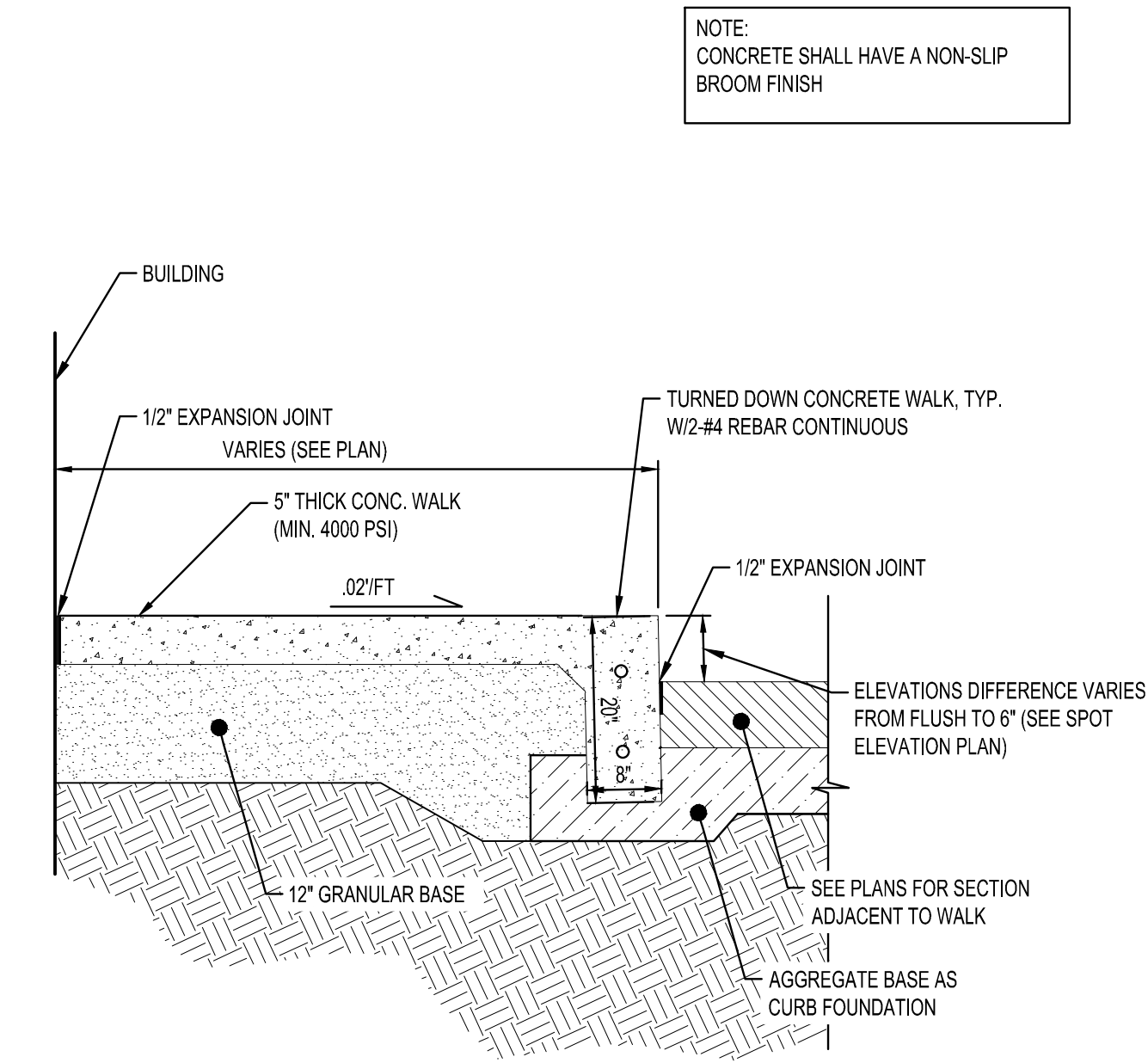


HEAVY DUTY BITUMINOUS PAVEMENT
N.T.S.



* DIRECTION OF DETAIL MAY BE MIRRORED

TURN DOWN WALK TRANSITION
N.T.S.

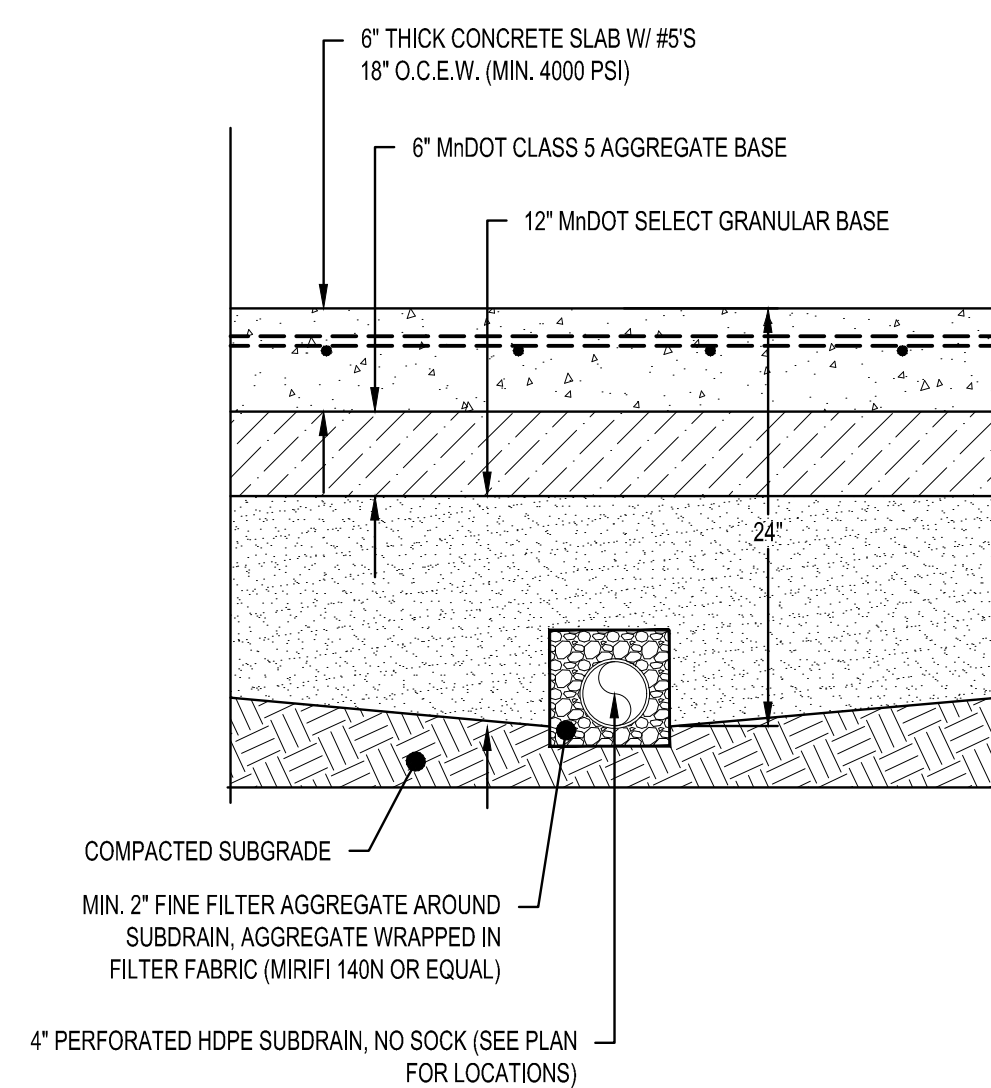


TURN DOWN CONCRETE WALK SECTION
N.T.S.

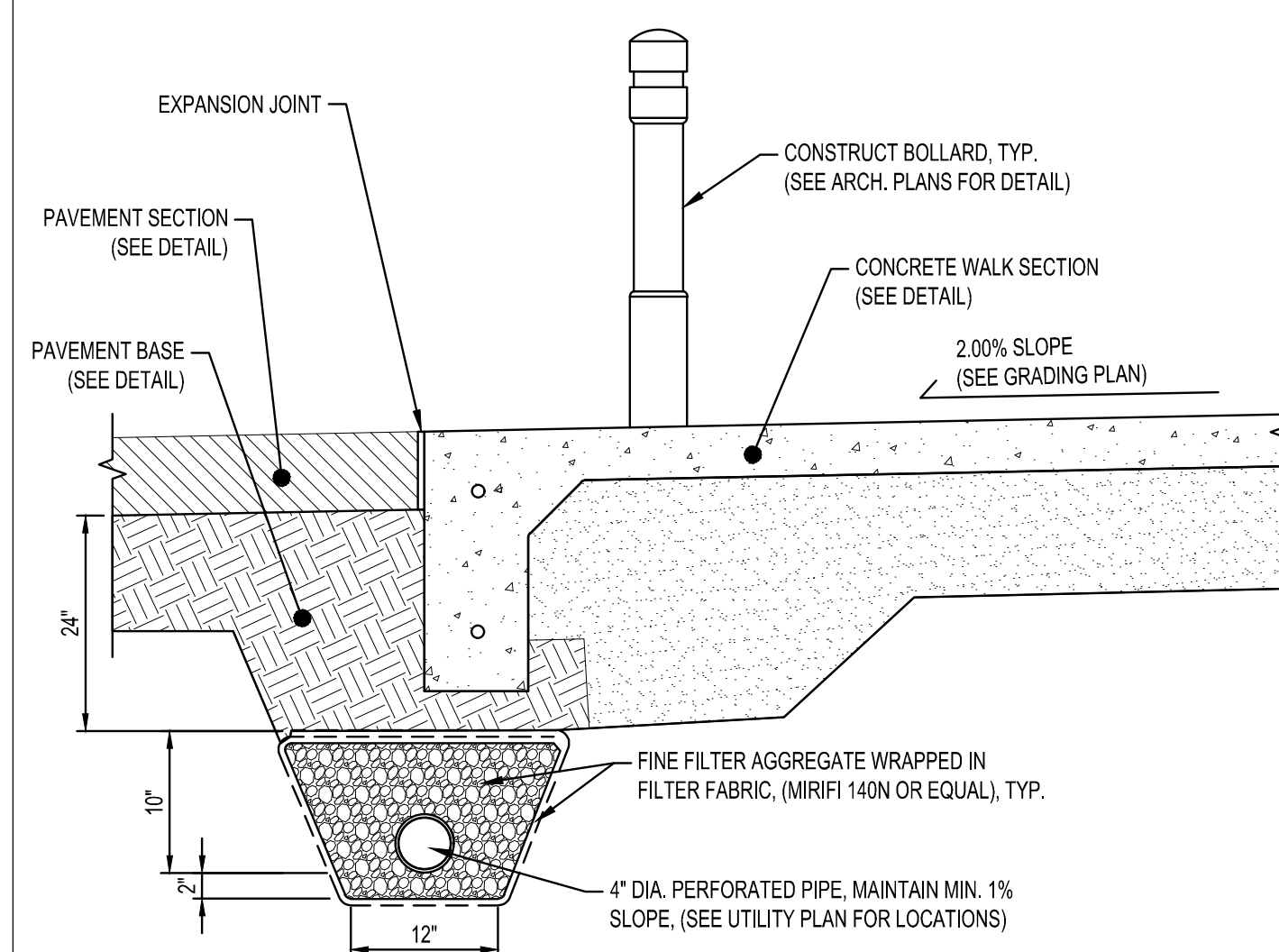
Issued:		Date:
A	CITY SUBMITTAL #1	05/12/23
B	CITY SUBMITTAL #2	06/06/23
C		
D		
E		
Revisions:		Date:
1		
2		
3		
4		
5		
6		
7		
8		
9		

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 RYAN J. ANDERSON
Ryan Anderson
 DATE 06/06/2023 LIC. NO. 55938

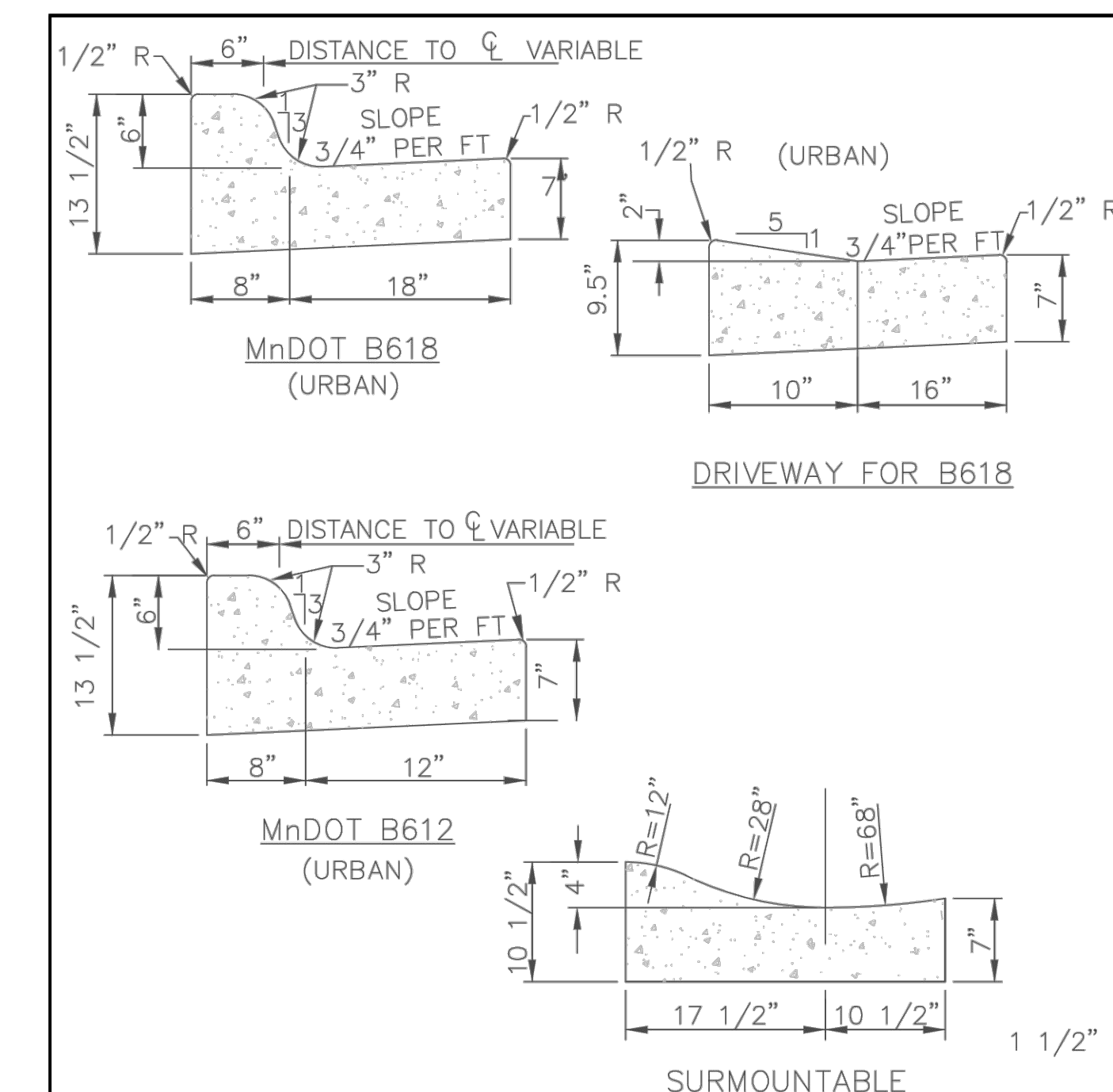
NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



LOADING DOCK PAVEMENT SECTION
N.T.S.



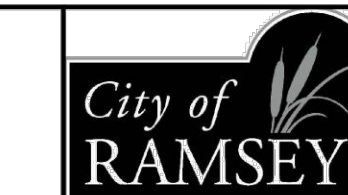
BUILDING SIDEWALK DRAIN TILE SECTION
N.T.S.



NOTES:

- ON WEAR COURSE MILL THE EXISTING BITUMINOUS 1.5" BY 24" IN FRONT OF THE REPLACEMENT CURB.
- ON BASE COURSE SAW CUT AND REMOVE EXISTING BITUMINOUS 18" IN FRONT OF THE REPLACEMENT CURB.

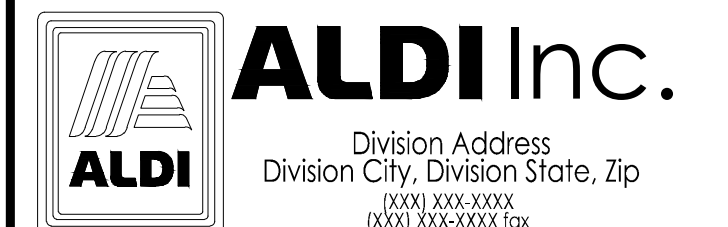
APPROVED:
1 - 2016



STANDARD DETAILS:
CURB AND GUTTER
CITY PLATE No. STR-1



MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY

Project Name & Location:

SITE DETAILS

Drawing Name:

Type: V7.0 ER ISG Project No.

23-21339

Drawn By: AJR

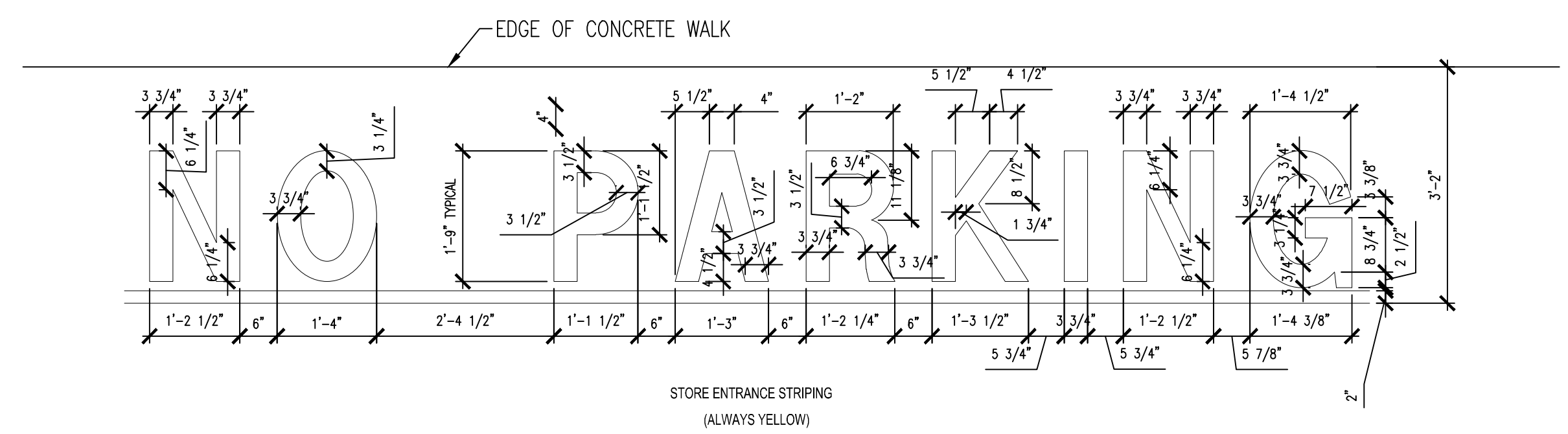
Designed By: AJR

C-020

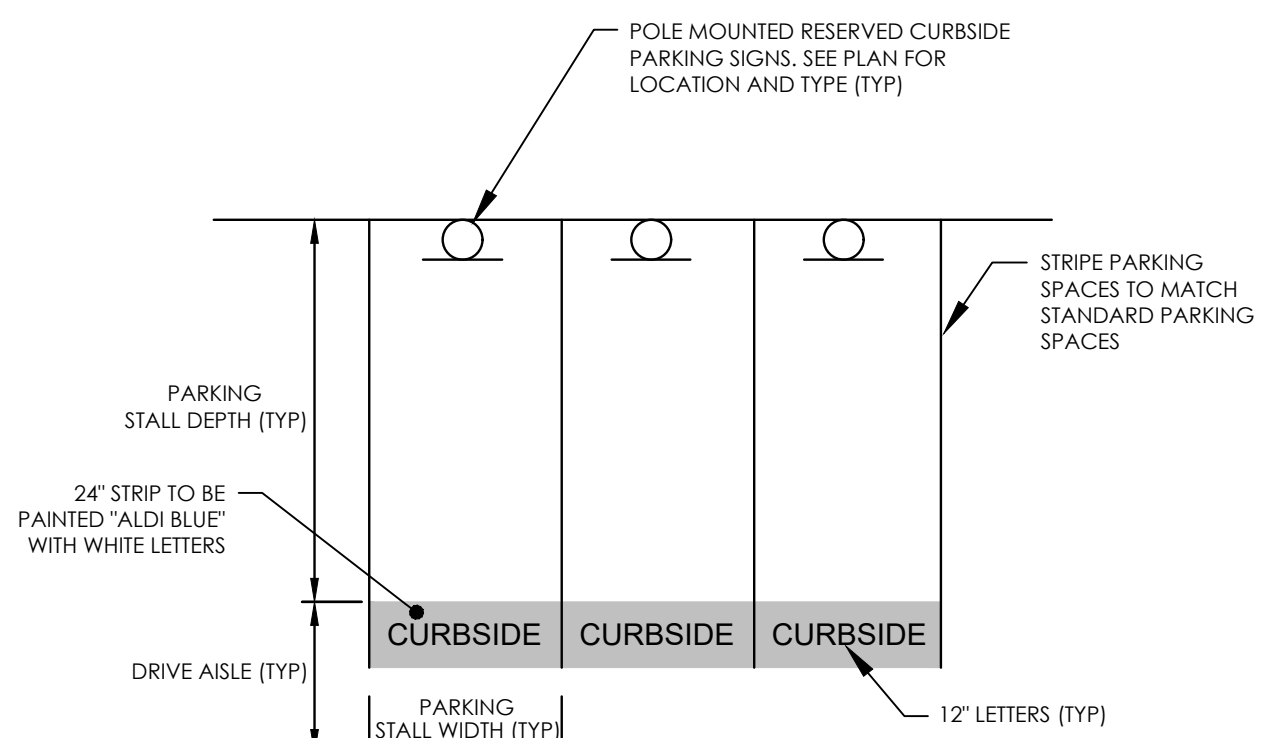
Reviewed By: RJA

Drawing No.

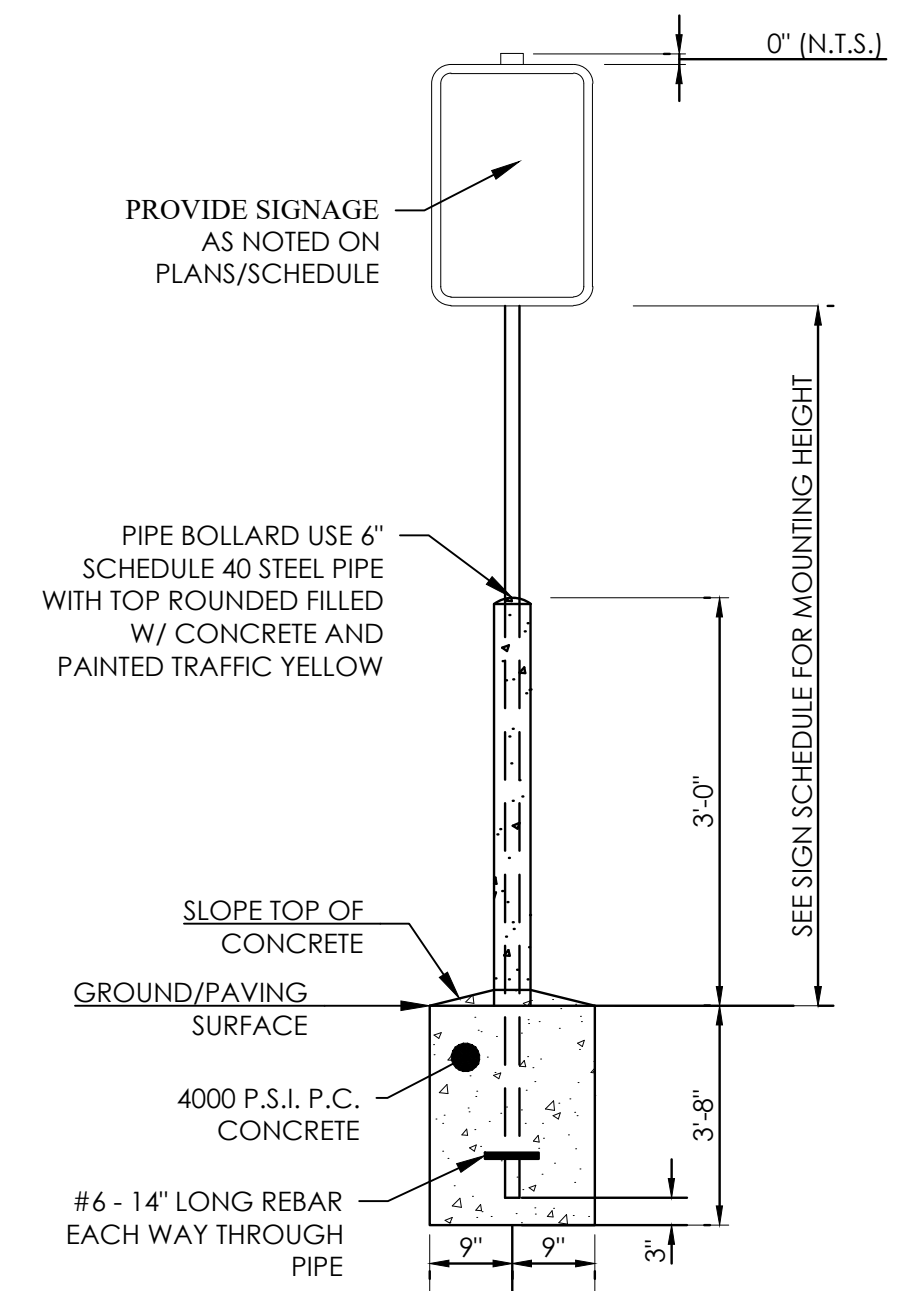
PRELIMINARY NOT FOR CONSTRUCTION



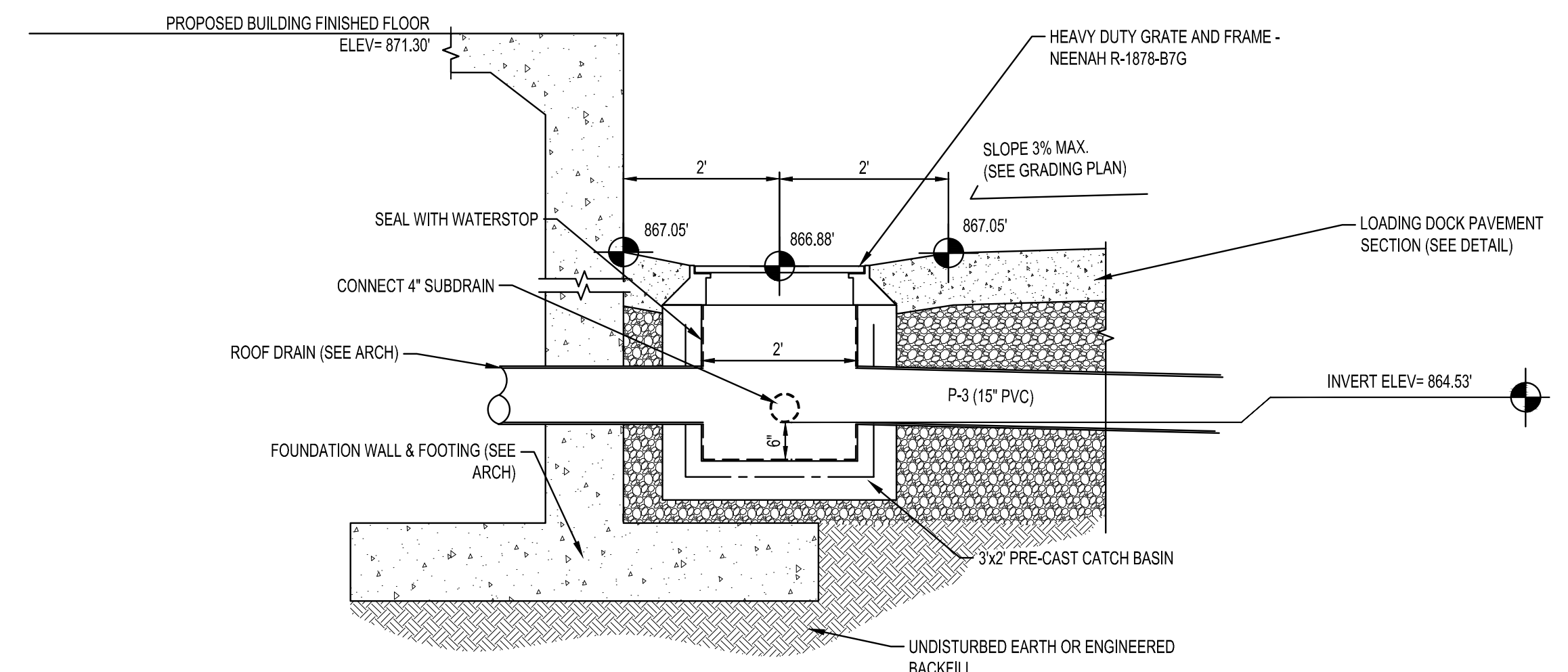
STORE ENTRANCE NO PARKING STRIPING DETAIL
N.T.S.



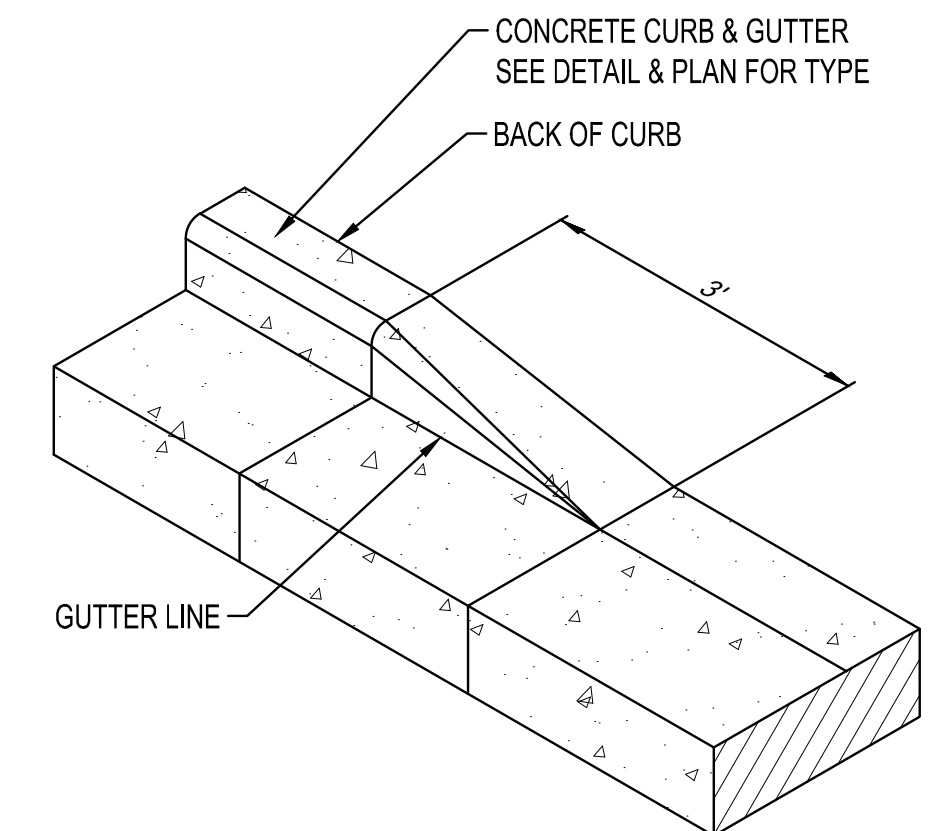
CURBSIDE PARKING DETAIL
N.T.S.



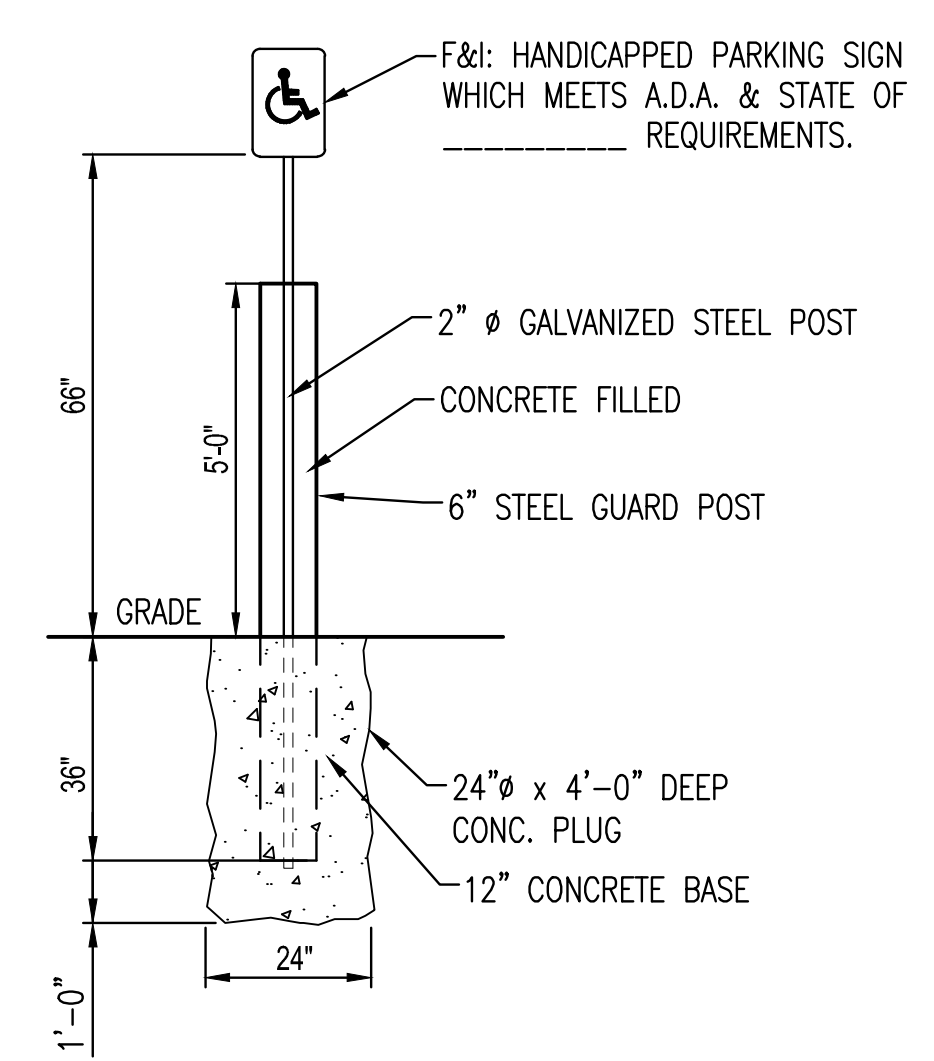
SIGN POST W/ BOLLARD DETAIL
N.T.S.



LOADING DOCK CATCH BASIN ST-3 DETAIL
N.T.S.



CURB TAPER
NTS



HANDICAPPED SIGN POST W/BOLLARD
N.T.S.

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	

Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

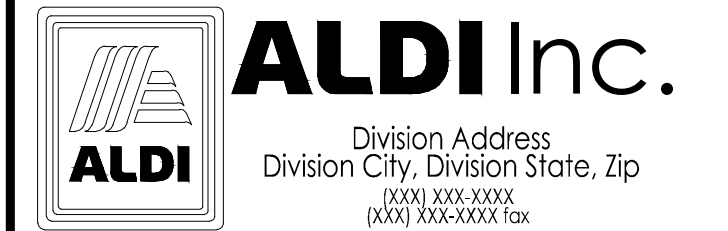
Ryan Anderson

DATE: 06/06/2023 LIC. NO. 55938

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



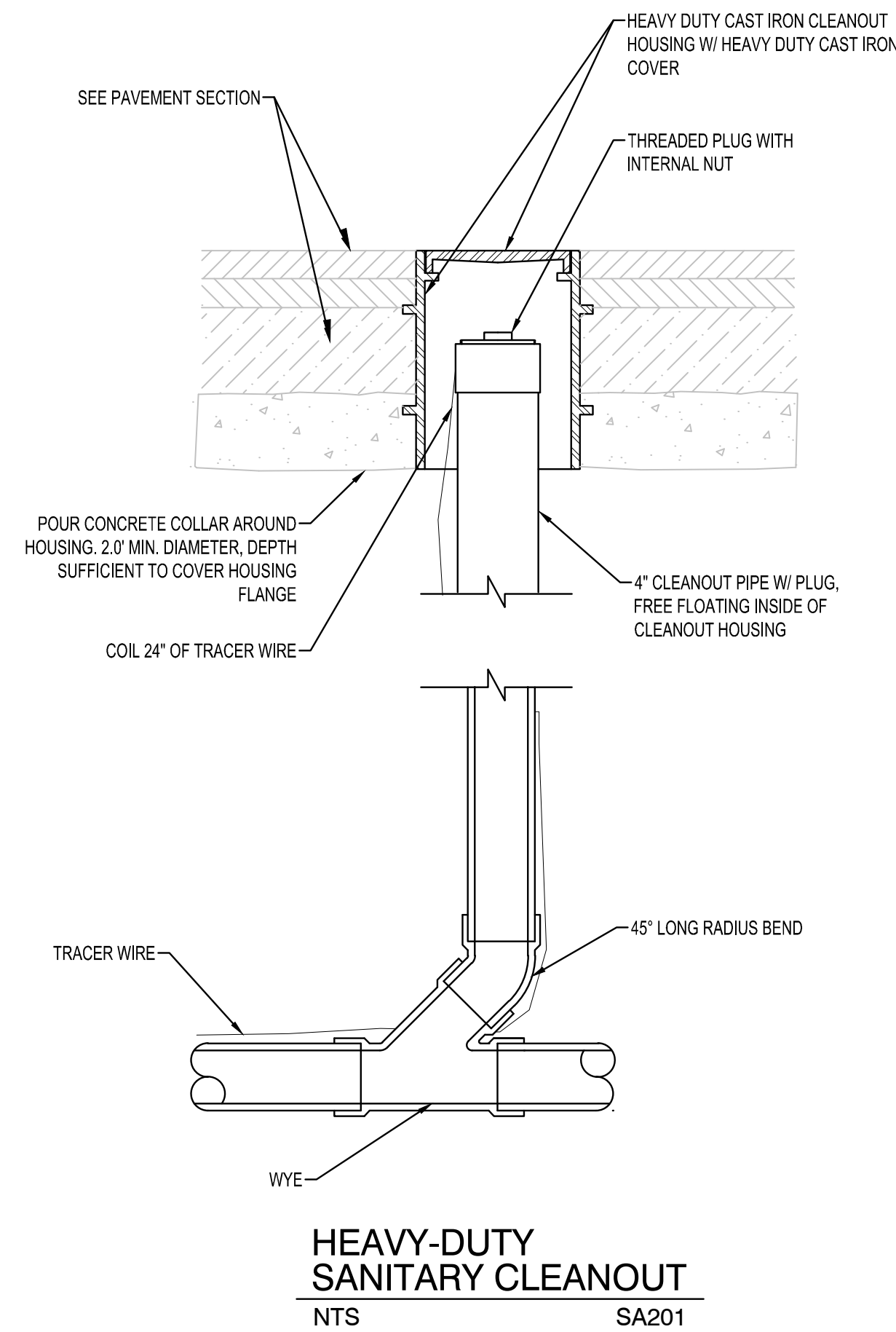
MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



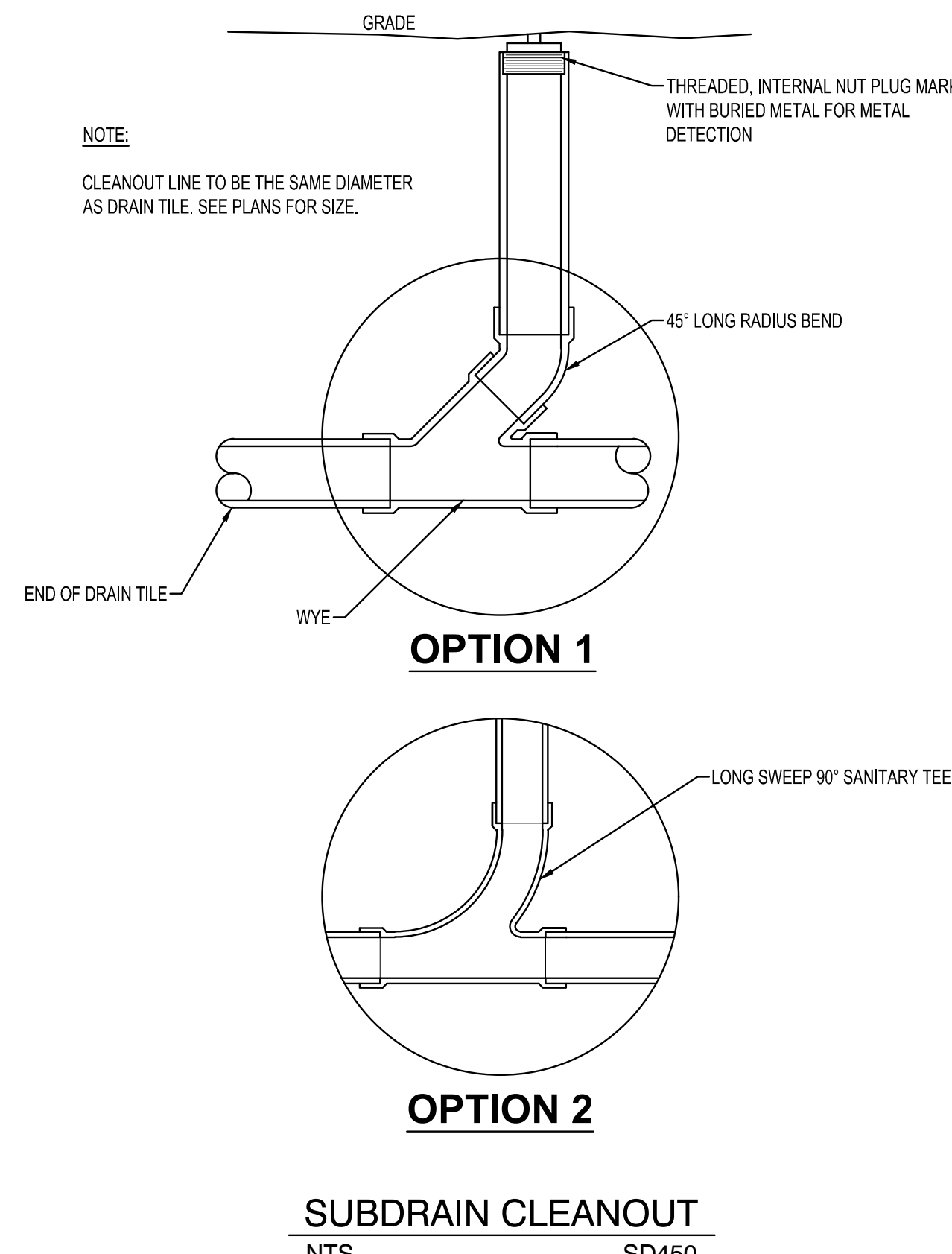
ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

SITE DETAILS	
Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-021
Reviewed By: RJA	Drawing No.

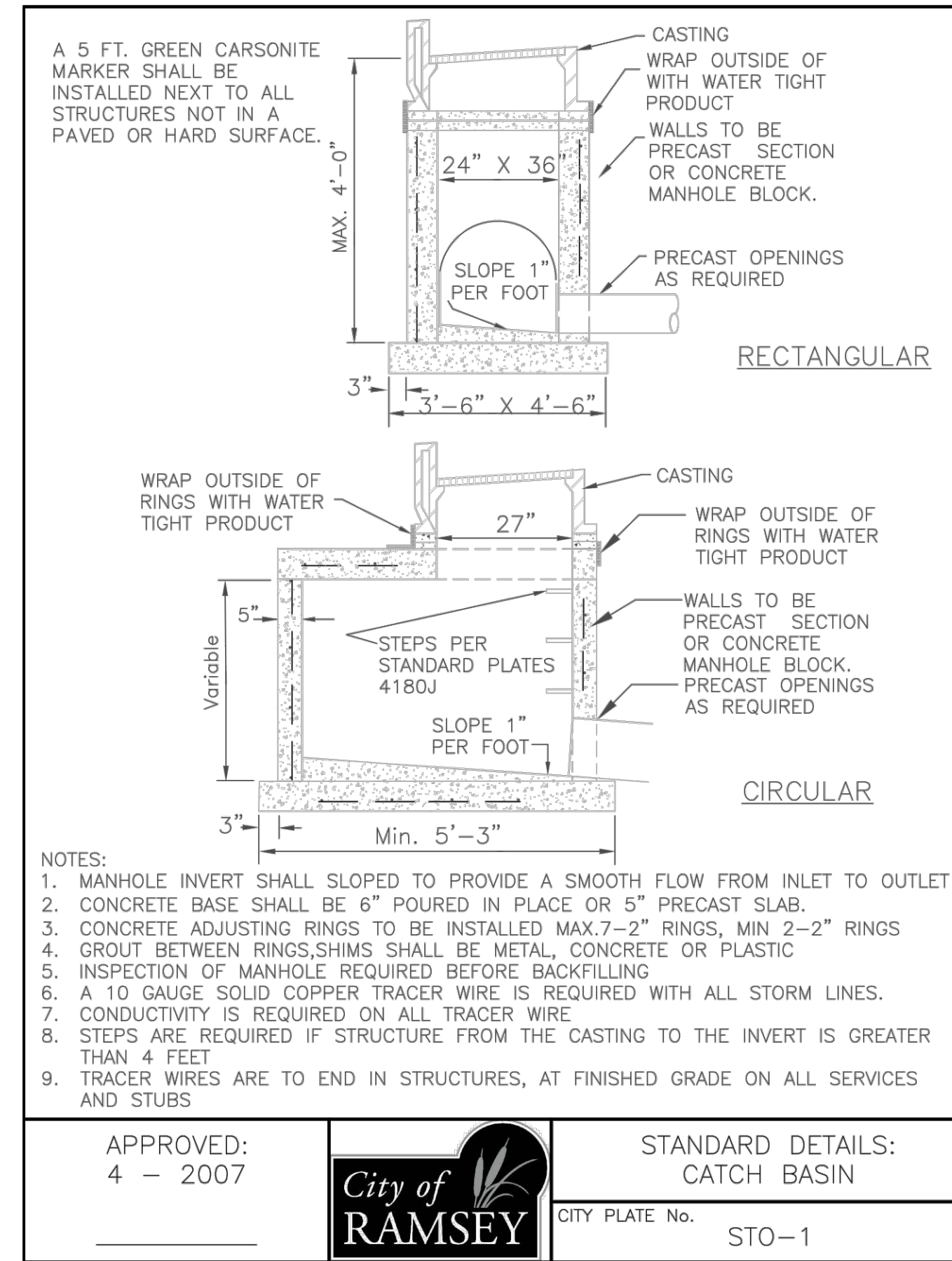
PRELIMINARY NOT FOR CONSTRUCTION



HEAVY-DUTY SANITARY CLEANOUT
NTS SA201



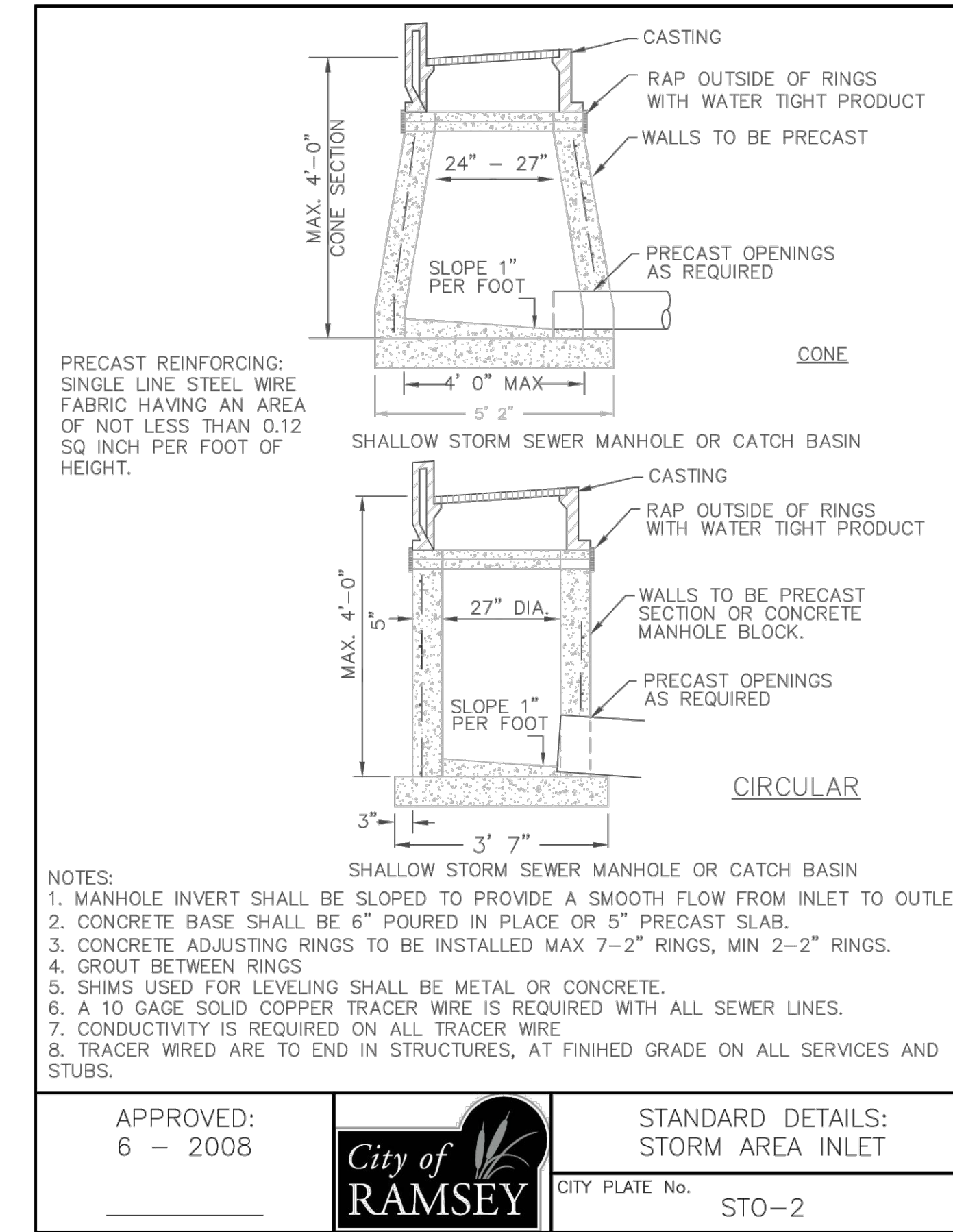
SUBDRAIN CLEANOUT
NTS SD450



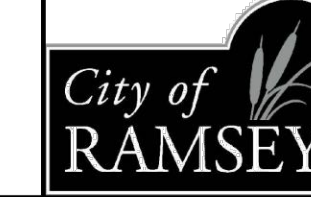
APPROVED: 4 - 2007



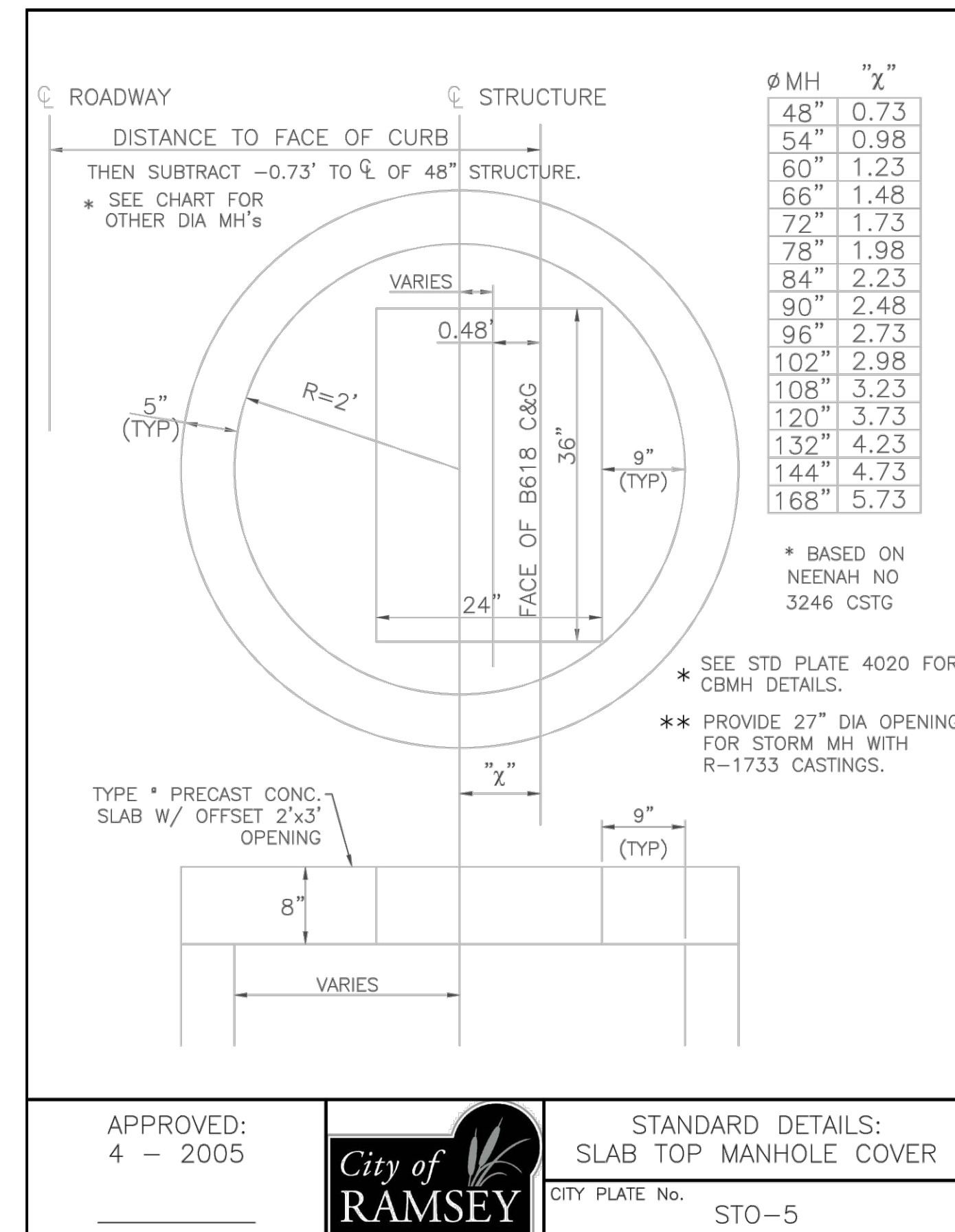
STANDARD DETAILS: CATCH BASIN
CITY PLATE No. STO-1



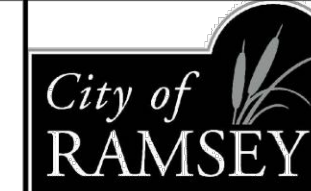
APPROVED: 6 - 2008



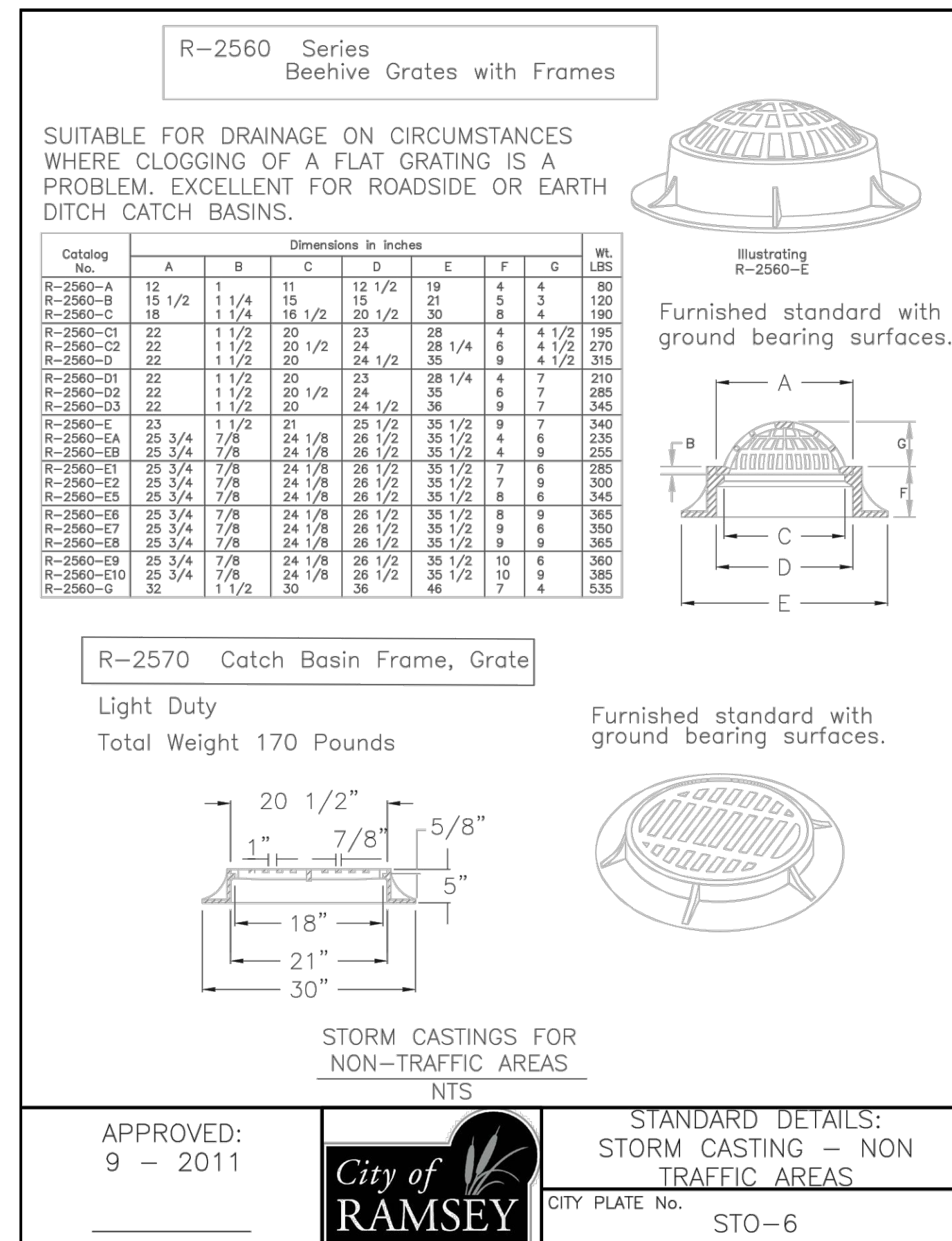
STANDARD DETAILS: STORM AREA INLET
CITY PLATE No. STO-2



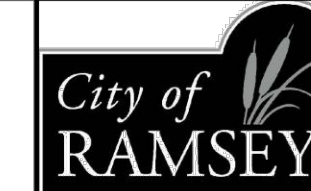
APPROVED: 4 - 2005



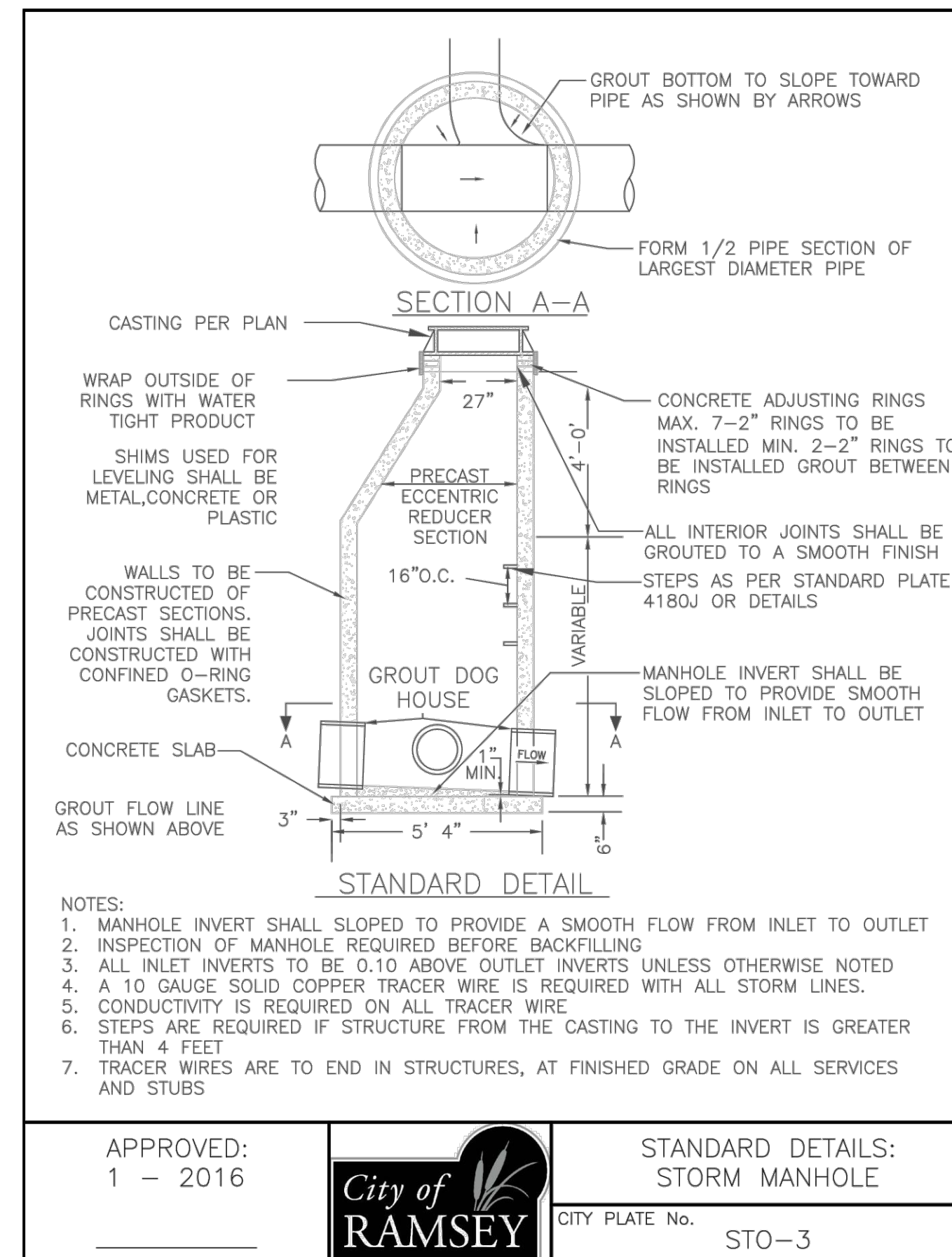
STANDARD DETAILS: SLAB TOP MANHOLE COVER
CITY PLATE No. STO-5



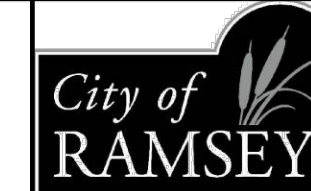
APPROVED: 9 - 2011



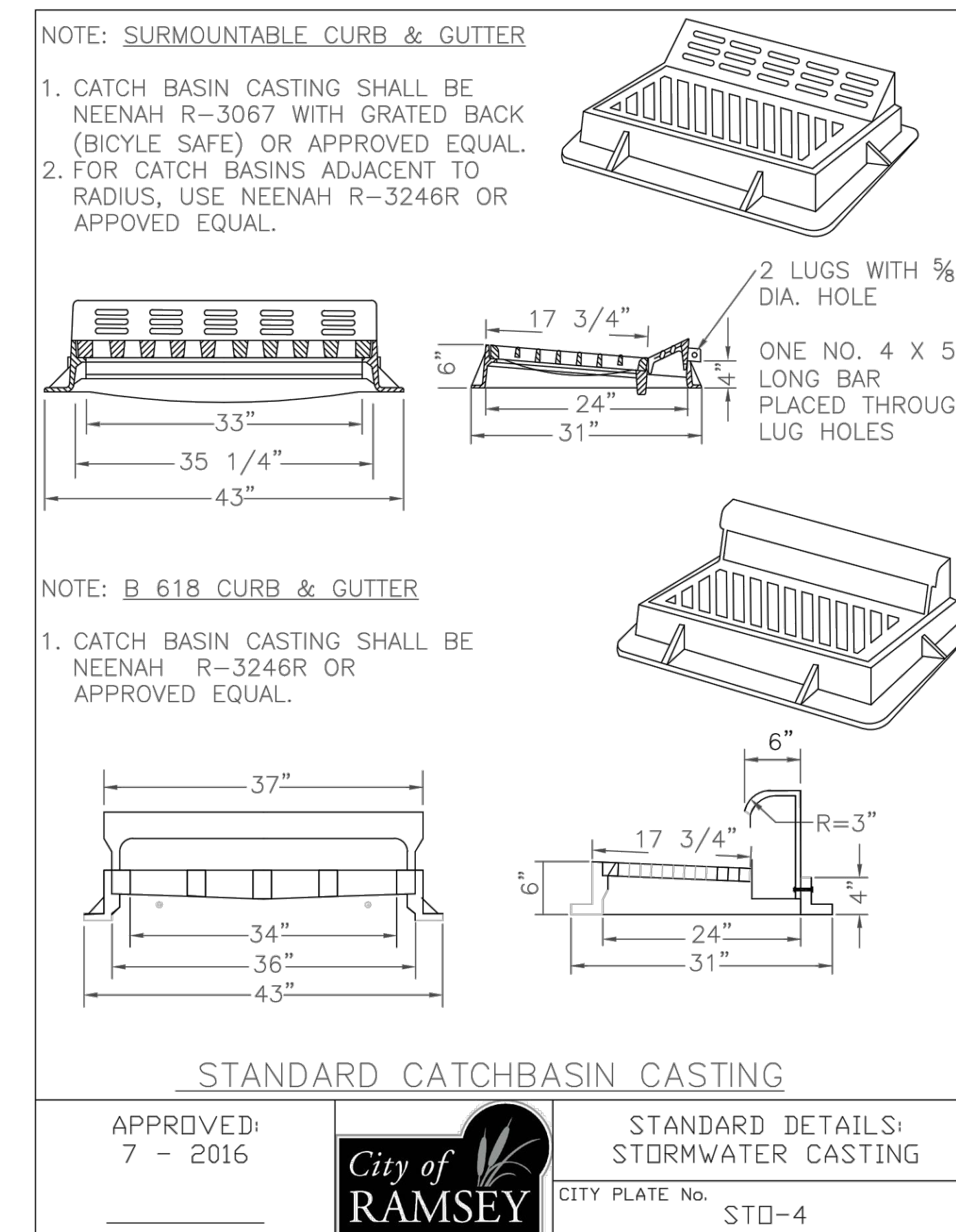
STANDARD DETAILS: STORM CASTING - NON TRAFFIC AREAS
CITY PLATE No. STO-6



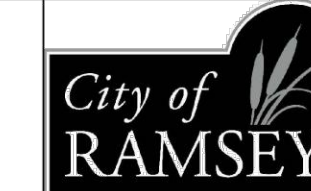
APPROVED: 1 - 2016



STANDARD DETAILS: STORM MANHOLE
CITY PLATE No. STO-3



APPROVED: 7 - 2016



STANDARD DETAILS: STORMWATER CASTING
CITY PLATE No. STO-4

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	
Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

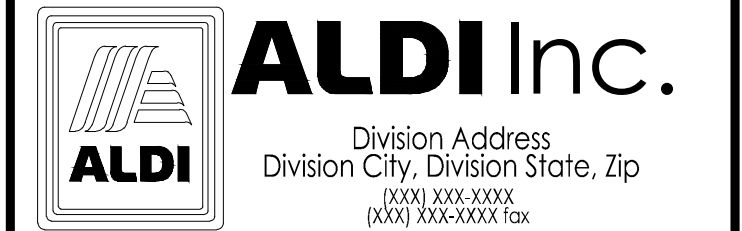
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON
Ryan Anderson
DATE: 06/06/2023 LIC. NO. 55938

NOTE: THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



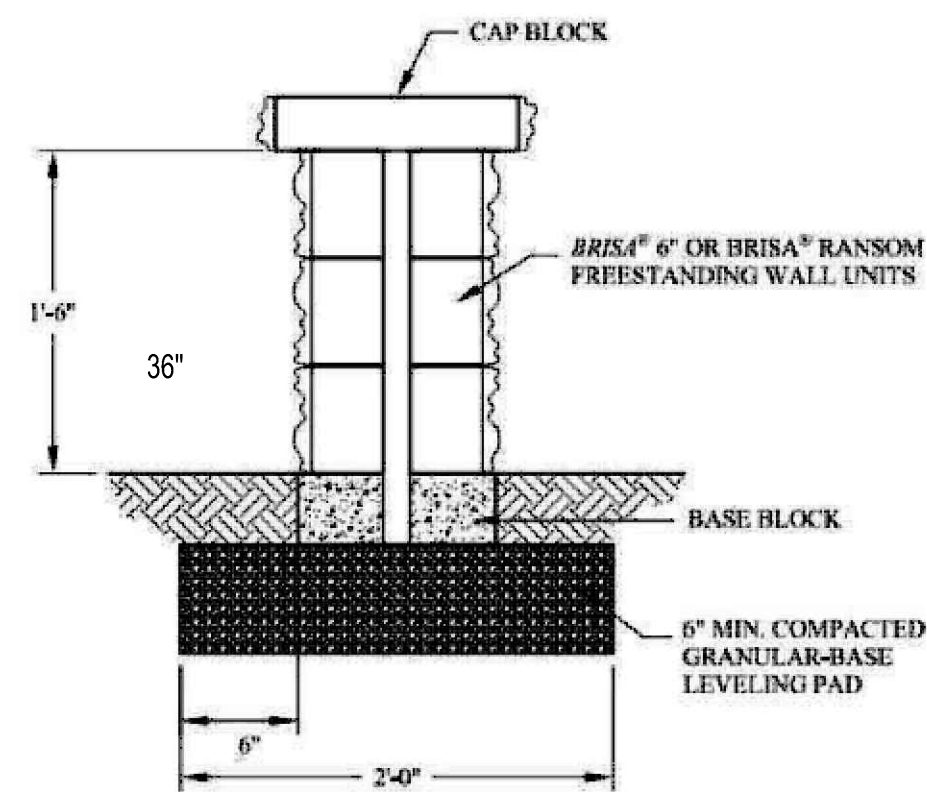
MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



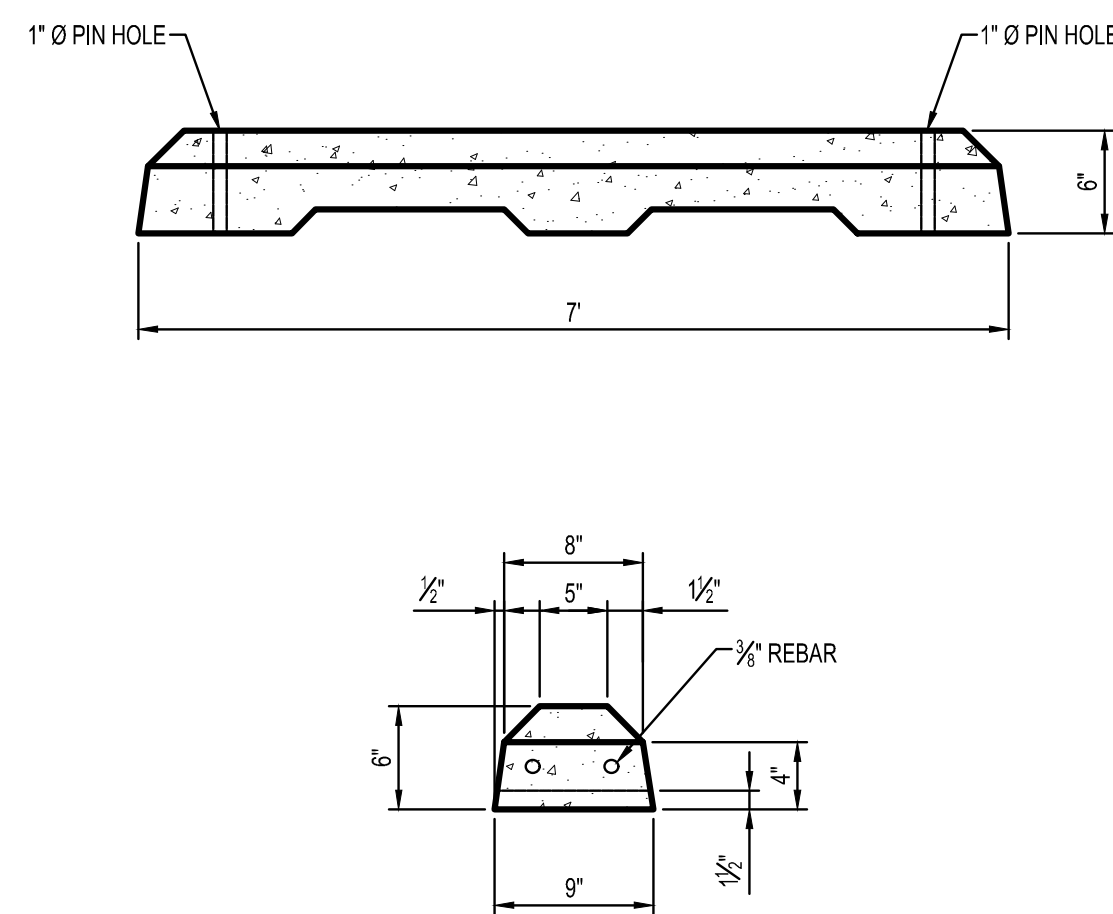
ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

SITE DETAILS	
Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-022
Reviewed By: RJA	Drawing No.

PRELIMINARY NOT FOR CONSTRUCTION



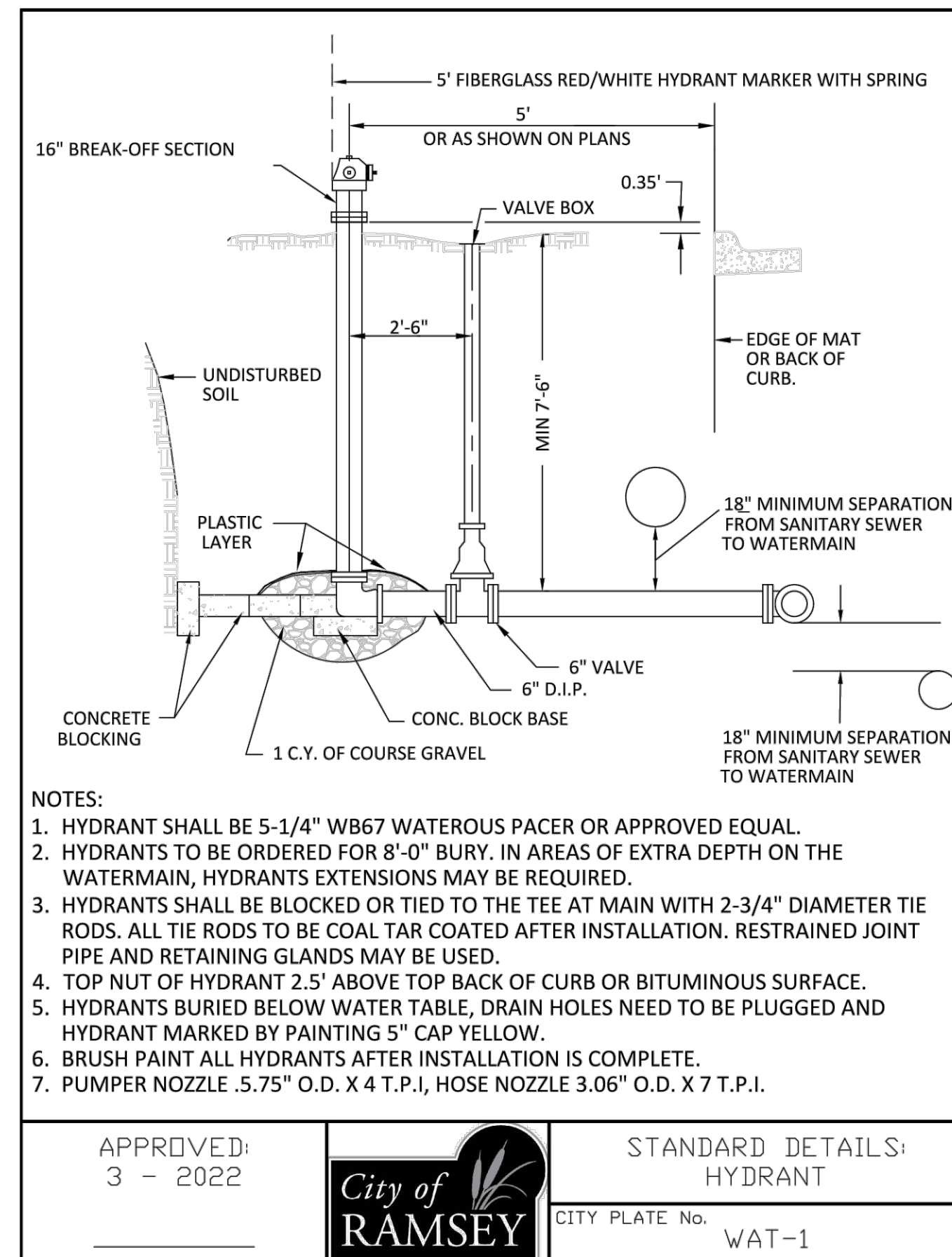
DECORATIVE SCREEN WALL
NTS



NOTES:

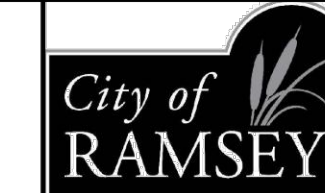
- TOTAL WEIGHT = 275 LBS
- CONCRETE SPEC = 5000 LFBS @ 28 DAYS
- REINFORCEMENT = 2 - 3/8" BARS

CONCRETE WHEEL STOP
NTS LD150



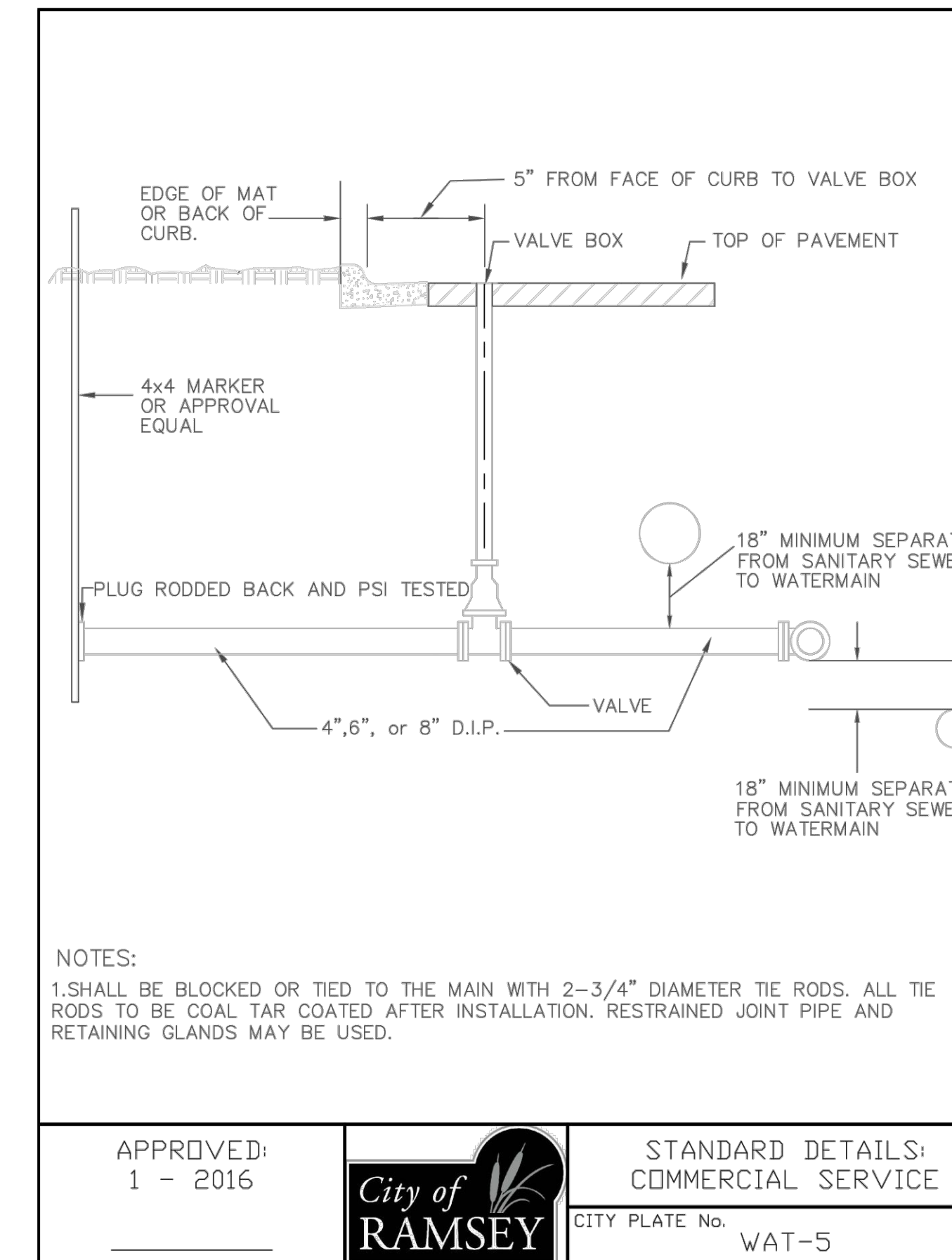
- NOTES:**
1. HYDRANT SHALL BE 5-1/4" WB67 WATEROUS PACER OR APPROVED EQUAL.
 2. HYDRANTS TO BE ORDERED FOR 8'-0" BURY. IN AREAS OF EXTRA DEPTH ON THE WATERMAIN, HYDRANTS EXTENSIONS MAY BE REQUIRED.
 3. HYDRANTS SHALL BE BLOCKED OR TIED TO THE TEE AT MAIN WITH 2-3/4" DIAMETER TIE RODS. ALL TIE RODS TO BE COAL TAR COATED AFTER INSTALLATION. RESTRAINED JOINT PIPE AND RETAINING GLANDS MAY BE USED.
 4. TOP NUT OF HYDRANT 2.5' ABOVE TOP BACK OF CURB OR BITUMINOUS SURFACE.
 5. HYDRANTS BURIED BELOW WATER TABLE, DRAIN HOLES NEED TO BE PLUGGED AND HYDRANT MARKED BY PAINTING 5" CAP YELLOW.
 6. BRUSH PAINT ALL HYDRANTS AFTER INSTALLATION IS COMPLETE.
 7. PUMPER NOZZLE 5.75" O.D. X 4 T.P.I. HOSE NOZZLE 3.06" O.D. X 7 T.P.I.

APPROVED:
3 - 2022



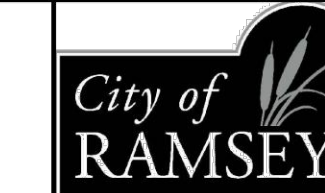
STANDARD DETAILS:
HYDRANT

CITY PLATE No. WAT-1



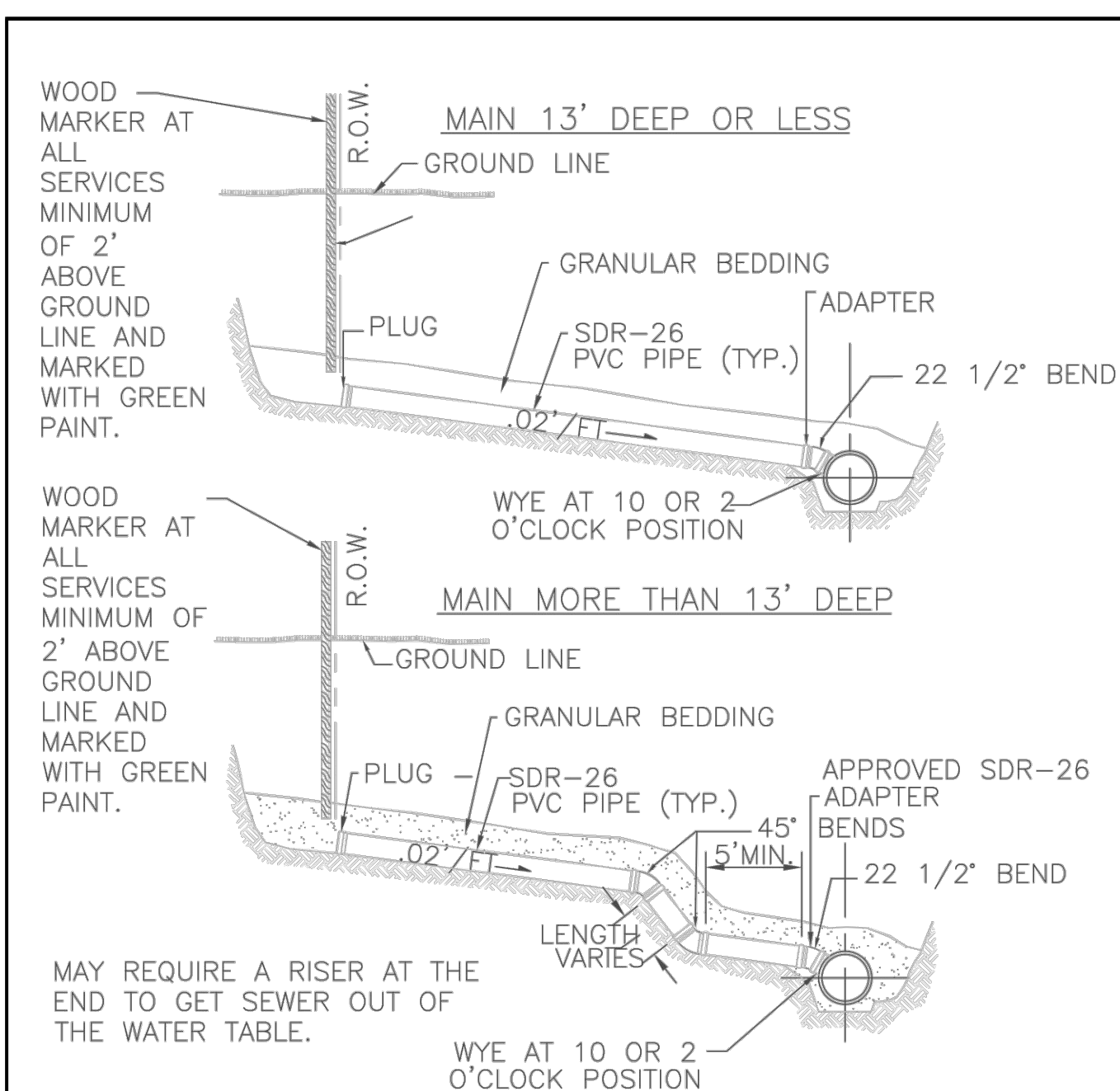
- NOTES:**
1. SHALL BE BLOCKED OR TIED TO THE MAIN WITH 2-3/4" DIAMETER TIE RODS. ALL TIE RODS TO BE COAL TAR COATED AFTER INSTALLATION. RESTRAINED JOINT PIPE AND RETAINING GLANDS MAY BE USED.

APPROVED:
1 - 2016



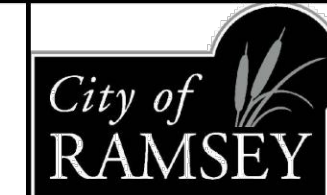
STANDARD DETAILS:
COMMERCIAL SERVICE

CITY PLATE No. WAT-5



- NOTES:**
1. 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES
 2. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
 3. TRACER WIRE ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.

APPROVED:
4 - 2016



STANDARD DETAILS:
SANITARY SEWER SERVICE

CITY PLATE No. SEW-3

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	
Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

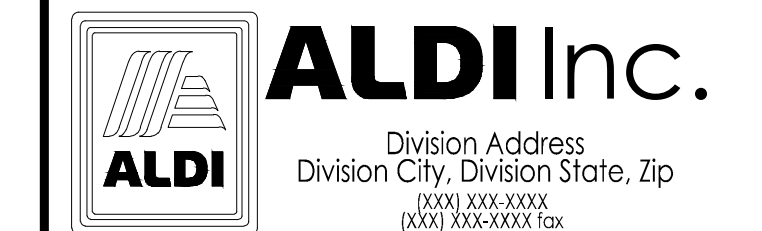
Ryan Anderson

DATE 06/06/2023 LIC. NO. 55938

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

SITE DETAILS	
Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-023
Reviewed By: RJA	Drawing No.

PRELIMINARY NOT FOR CONSTRUCTION

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	
Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

CONSTRUCTION NOTES:

A. SPECIFICATIONS

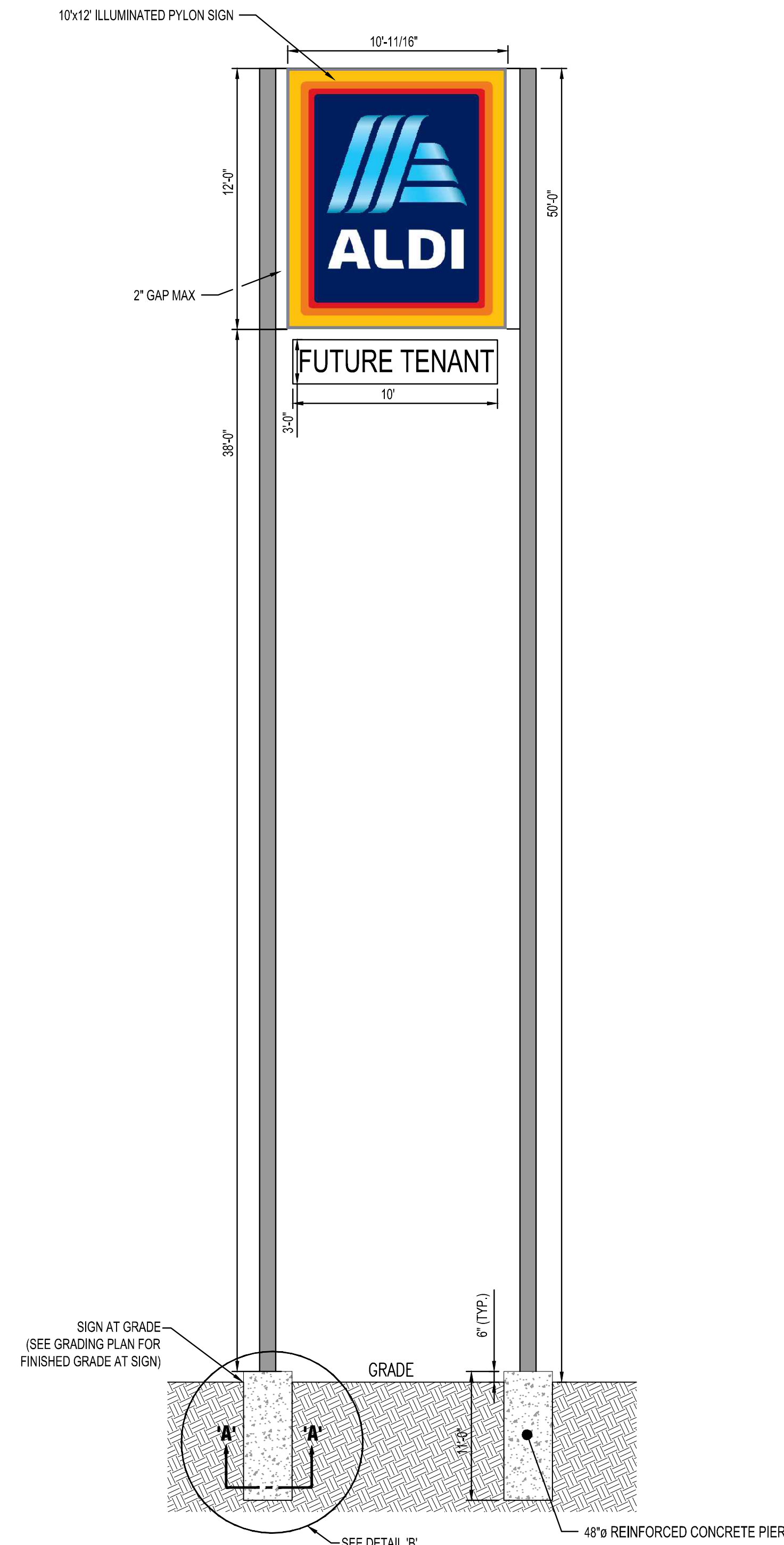
- DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE "STEEL CONSTRUCTION MANUAL", 14TH EDITION, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, UNO.
- STEEL MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS, UNO.
 - HSS RECTANGULAR, ASTM A500 GRADE B, Fy = 46 ksi
 - HSS ROUND, ASTM A500 GRADE B, Fy = 42 ksi
 - PIPE, ASTM A53 GRADE B, Fy = 35 ksi
 - PLATES AND BARS, ASTM A36, Fy = 36 ksi
- ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.1 (LATEST EDITION) "STRUCTURAL WELDING CODE".
- CONCRETE SHALL BE NORMAL WEIGHT, UNO, AND MEET THE FOLLOWING CRITERIA.
 - $f_c = 4,000$ psi
 - 6% +/- 1.5% AIR ENTRAINMENT
 - 0.55 MAXIMUM WATER-TO-CEMENT RATIO
 - CEMENT SHALL CONFORM TO ASTM C150, TYPE III
 - READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED ACCORDANCE WITH ASTM C94.
 - CONCRETE SHALL BE CAST IN PLACE AGAINST UNDISTURBED SOIL. A SONO-TUBE FORM SHOULD ONLY BE USED FOR THE TOP 12" OF THE FOOTING. CONCRETE FORM-WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACE 301 (LATEST EDITION) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THESE DRAWINGS.
- ALL ANCHOR RODS SHALL BE SUPPLIED AND INSTALLED BY THE CONCRETE CONTRACTOR, UNO, AND MEET THE FOLLOWING SPECIFICATIONS.
 - ALL ANCHOR RODS SHALL BE ASTM F1554, GRADE 36, HEX-HEAD, NUTS SHALL BE ASTM A563, GRADE A, HEAVY-HEX, HARDENED WASHERS SHALL BE ASTM 436, OVER-SIZED PLATE WASHERS SHALL BE ASTM A36, AND ALL HOT-DIPPED GALVANIZED.
 - ALL ANCHOR RODS SHALL BE SET WITH TEMPLATES.
- DEFORMED BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60, UNO, AND MEET THE FOLLOWING CRITERIA.
 - DEVELOPMENT LENGTH OF STRAIGHT BARS SHALL BE 48 TIMES THE DIAMETER OF THE BAR.
 - MINIMUM CLEAR CONCRETE COVER SHALL BE 3 INCHES.
 - ALL REINFORCING STEEL, ANCHOR RODS, DOWELS, AND INSERTS SHALL BE SECURED IN POSITION WITH WIRE POSITIONERS, OR EQUIVALENT, BEFORE PLACING CONCRETE.
- PYLON POLES ARE TO BE PAINTED "SHERWIN WILLIAMS SW-7019 GAUNTLET GRAY". FOLLOW MANUFACTURER'S SPEC FOR PAINTING.

B. SUBMITTALS:

- PRIOR TO SUBMITTAL, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS AND MAKE ANY CORRECTIONS REQUIRED. THE CONTRACTOR SHALL STAMP AND SIGN THE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR PROPRIETARY MATERIAL AND ITEMS, INCLUDING FORMING ACCESSORIES, ADMIXTURES, PATCHING COMPOUNDS, SEALANTS, WATERSTOPS, JOINT SYSTEMS, CURING COMPOUNDS, AND OTHERS IN AND FOR CONSTRUCTION.
- THE FABRICATOR SHALL CLEARLY HIGHLIGHT/CLOUD ANY CHANGES MADE IN THE SHOP DRAWINGS WHICH DO NOT COMPLY WITH DESIGN DRAWINGS, ANY CHANGES MUST BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
- CONTRACTOR TO SUBMIT THE FOLLOWING DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION OF SIGN.
 - CONCRETE REINFORCING STEEL
 - ANCHOR RODS
 - CONCRETE MIX DESIGNS
 - STRUCTURAL STEEL
 - ADDITIONAL SHOP DRAWINGS REQUESTED IN THE SPECIFICATIONS.
- A COPY OF ALL SHOP DRAWINGS SHALL BE MAINTAINED ON SITE AT ALL TIMES.

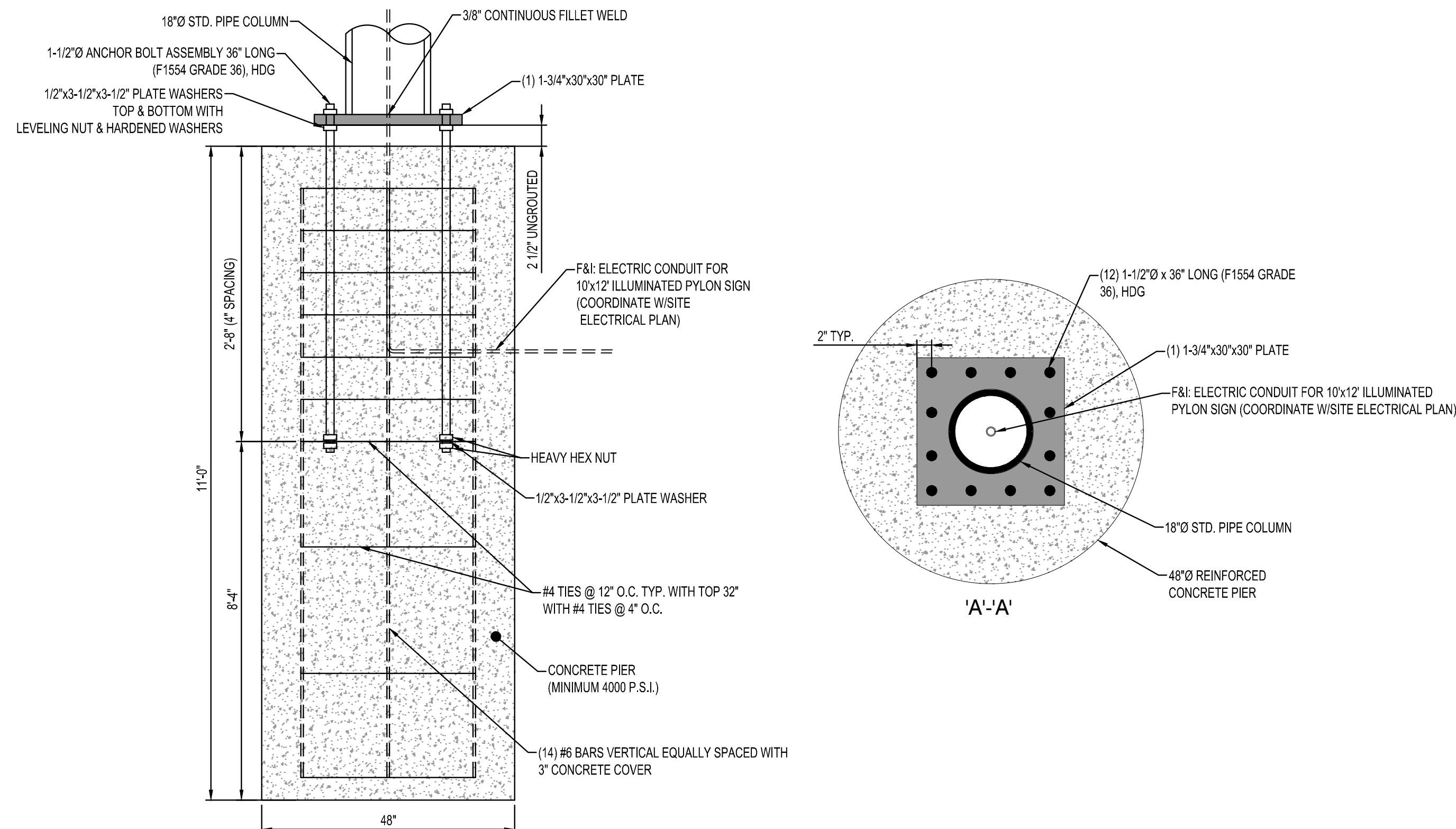
C. QUALITY CONTROL AND QUALITY ASSURANCE:

- COORDINATE FOR ENGINEER OR OWNER'S INDEPENDENT TESTING AGENCY TO INSPECT AND APPROVE REINFORCING STEEL AND EMBEDS PRIOR TO ORDERING CONCRETE.
- COORDINATE FOR OWNER'S INDEPENDENT TESTING AGENCY TO BE ON SITE AND PERFORM CONTINUOUS INSPECTION WHILE CONCRETE PLACEMENT IS OCCURRING. PROVIDE NOTICE NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE PLACEMENT.
- COORDINATE WITH OWNER'S INDEPENDENT TESTING AGENCY TO SAMPLE CONCRETE AT TIME OF PLACEMENT IN ORDER TO PERFORM SLUMP, AIR, TEMPERATURE AND CASTING OF CYLINDERS.
- ANY AND ALL WORK PERFORMED WITHOUT PROPER INSPECTION AND TESTING AS OUTLINED IN THIS SPECIFICATION WILL BE CONSIDERED UNAUTHORIZED WORK. ANY CORRECTIVE MEASURES REQUIRED OF THE UNAUTHORIZED WORK WILL BE AT CONTRACTORS OWN EXPENSE.



ALDI, INC. PYLON SIGN DETAIL

N.T.S.



DETAIL 'B'

N.T.S.

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

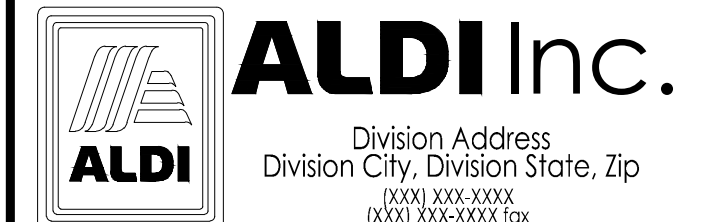
Ryan Anderson

DATE 06/06/2023 LIC. NO. 55938

NOTE: THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY

Project Name & Location:

PYLON SIGN DETAIL

Drawing Name:

Type: V7.0 ER

Drawn By: AJR

Designed By: AJR

Reviewed By: RJA

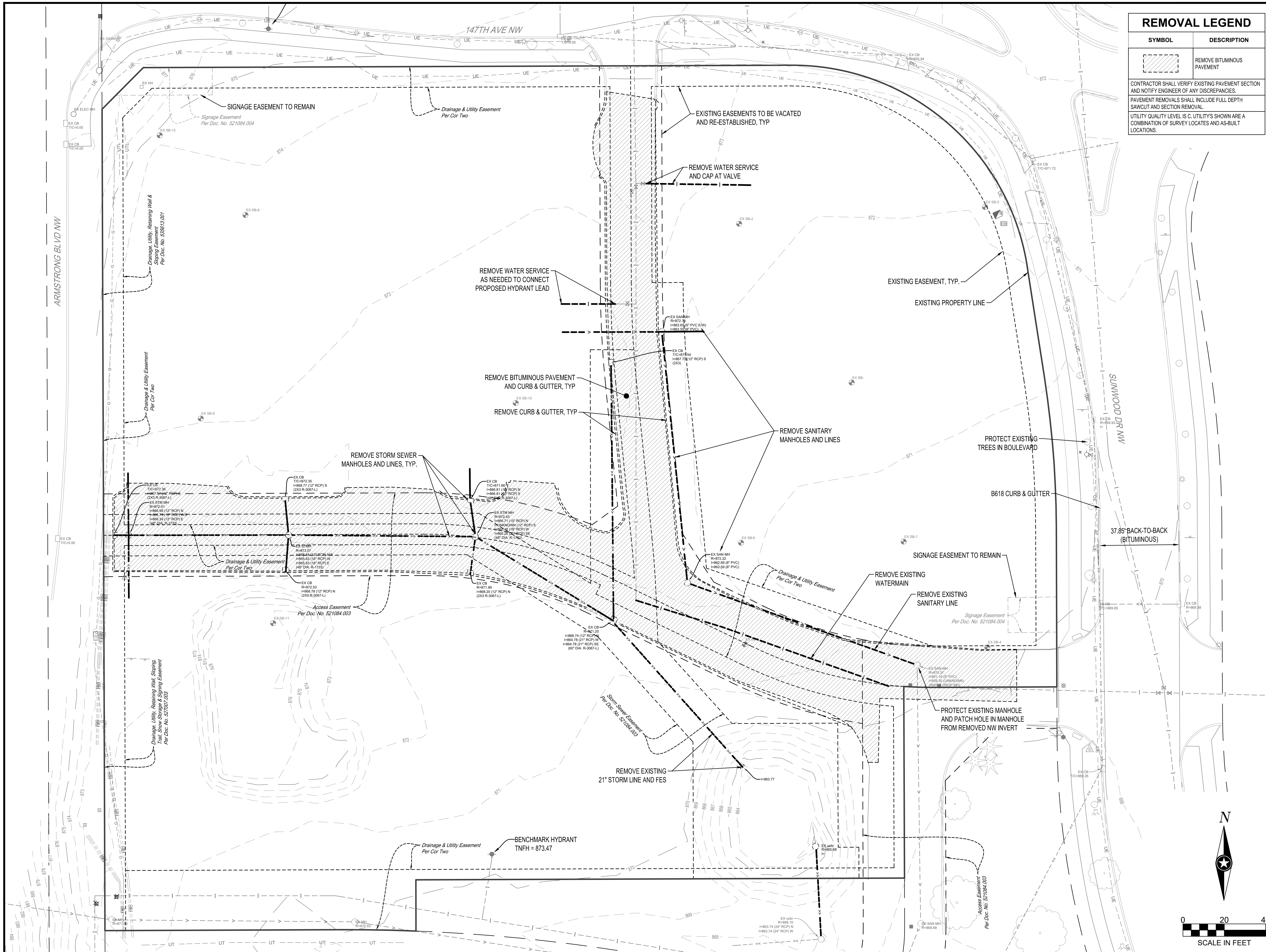
ISG Project No.

23-21339

C-024

Drawing No.

PRELIMINARY NOT FOR CONSTRUCTION



REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE BITUMINOUS PAVEMENT

CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT AND SECTION REMOVAL.
UTILITY QUALITY LEVEL IS C. UTILITIES SHOWN ARE A COMBINATION OF SURVEY LOCATES AND AS-BUILT LOCATIONS.

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	
Revisions:	
1	
2	
3	
4	
5	
6	
7	
8	
9	

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

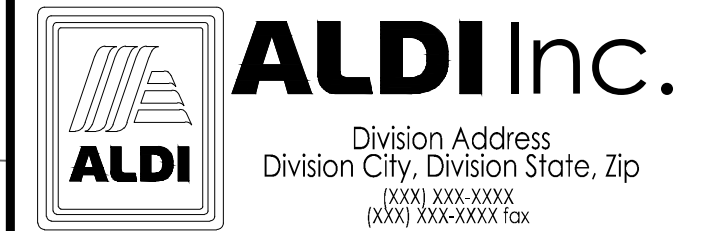
Ryan Anderson

DATE: 06/06/2023 LIC. NO.: 55938

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.

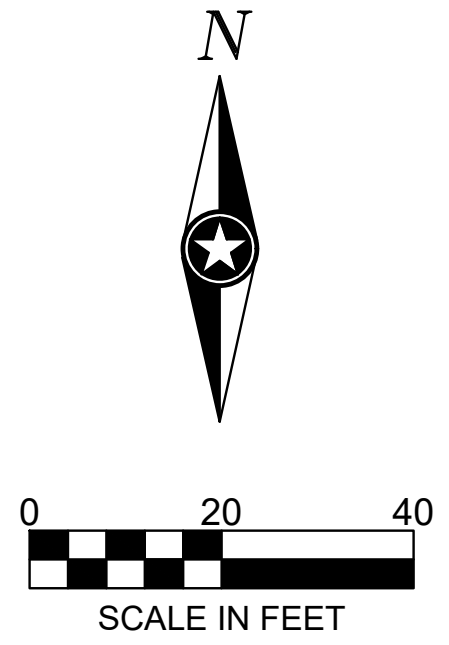


MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699

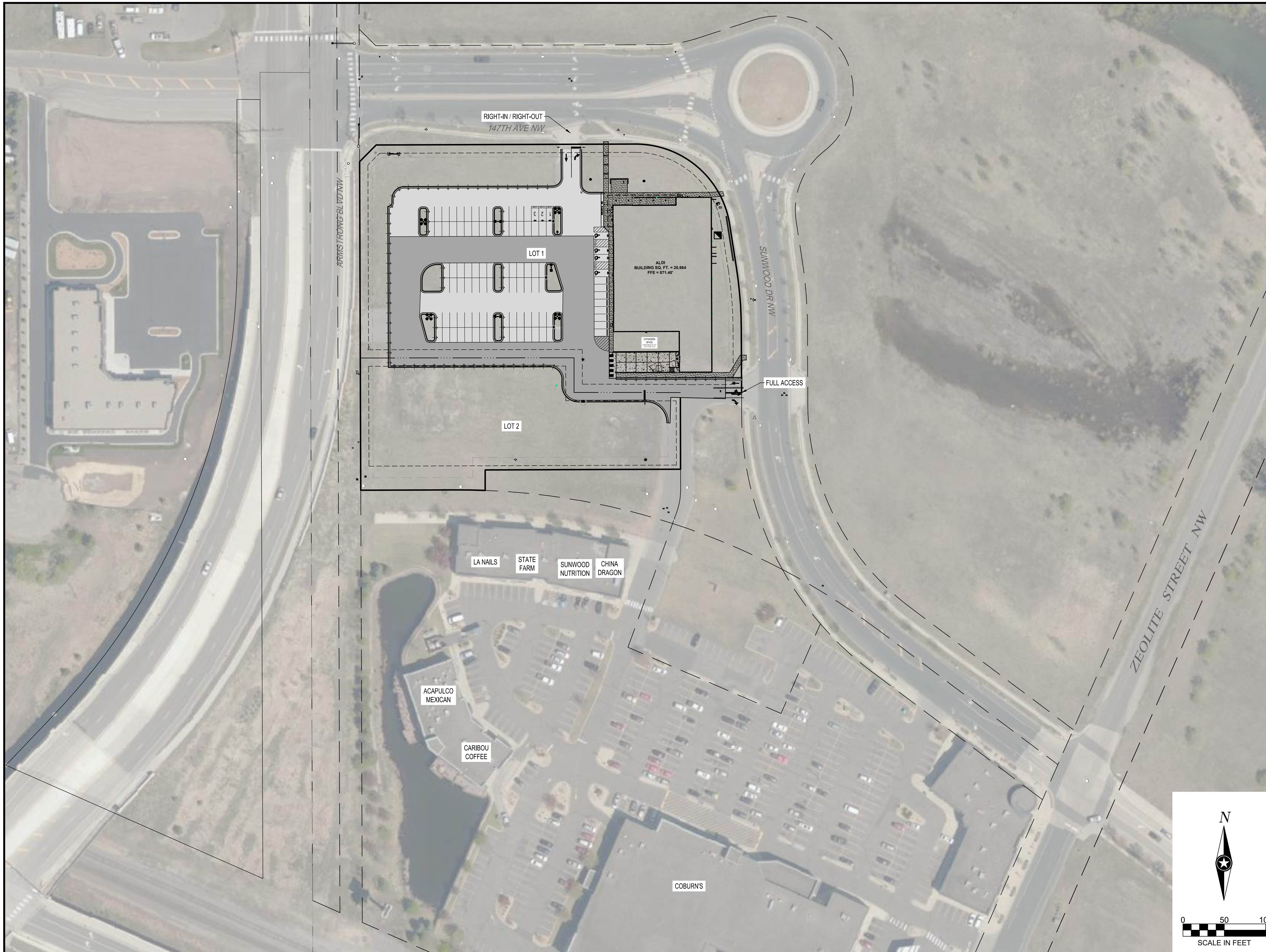


ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

EXISTING SITE & REMOVA PLAN	
Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-210
Reviewed By: RJA	Drawing No.



PRELIMINARY NOT FOR CONSTRUCTION



Issued:		Date:
A	CITY SUBMITTAL #1	05/12/23
B	CITY SUBMITTAL #2	06/06/23
C		
D		
E		
Revisions:		Date:
1		
2		
3		
4		
5		
6		
7		
8		
9		

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

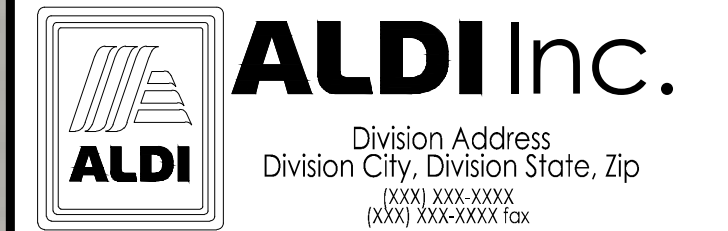
Ryan Anderson

DATE 06/06/2023 LIC. NO. 55938

NOTE:
 THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



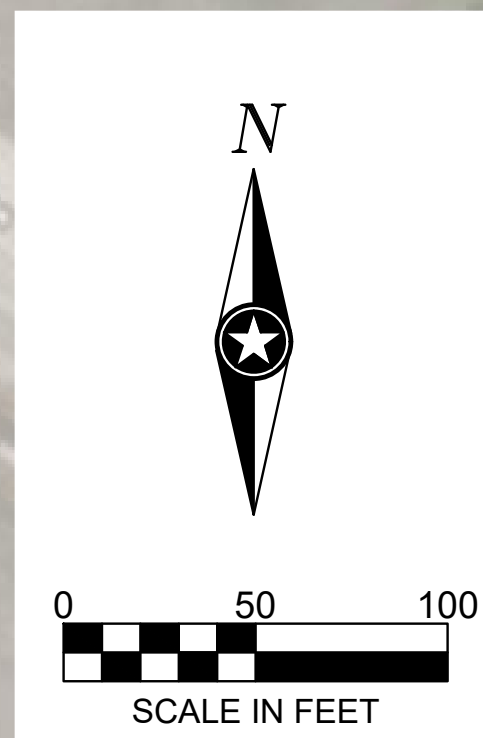
MANAGING LOCATION:
 BLOOMINGTON OFFICE
 7900 INTERNATIONAL DRIVE
 SUITE 550
 MINNEAPOLIS, MN 55425
 PHONE: 952.426.0699



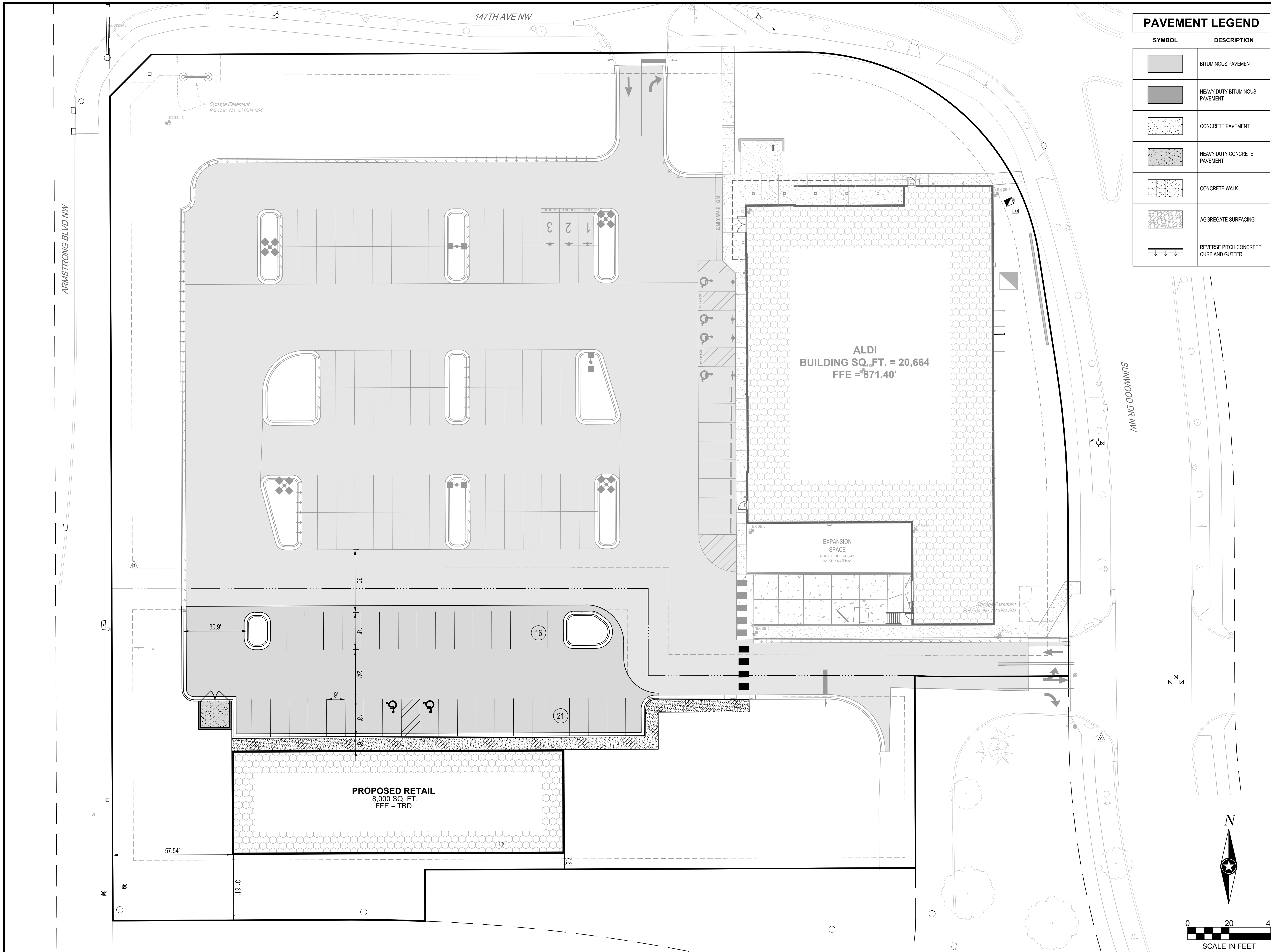
ALDI Inc. Store #: 143
 RAMSEY, MN
 7992 SUNWOOD DR NW
 RAMSEY, MN 55303
 ANOKA COUNTY
 Project Name & Location:

OVERALL SITE PLAN

Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-300
Reviewed By: RJA	Drawing No.



PRELIMINARY NOT FOR CONSTRUCTION



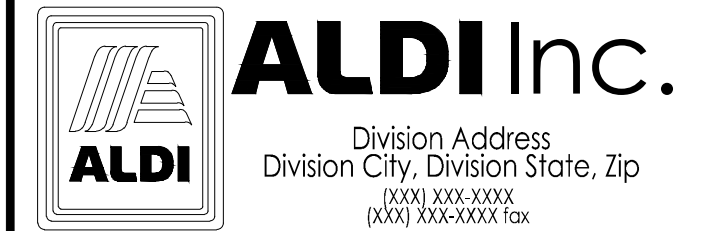
PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	BITUMINOUS PAVEMENT
	HEAVY DUTY BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	CONCRETE WALK
	AGGREGATE SURFACING
	REVERSE PITCH CONCRETE CURB AND GUTTER

Issued:	Date:
A SKETCH PLAN SUBMITTAL	05/12/23
B	
C	
D	
E	
Revisions:	
1	Date:
2	
3	
4	
5	
6	
7	
8	
9	

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



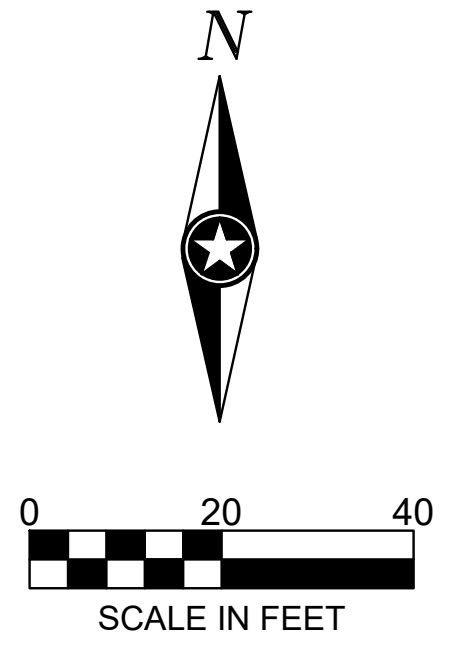
MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



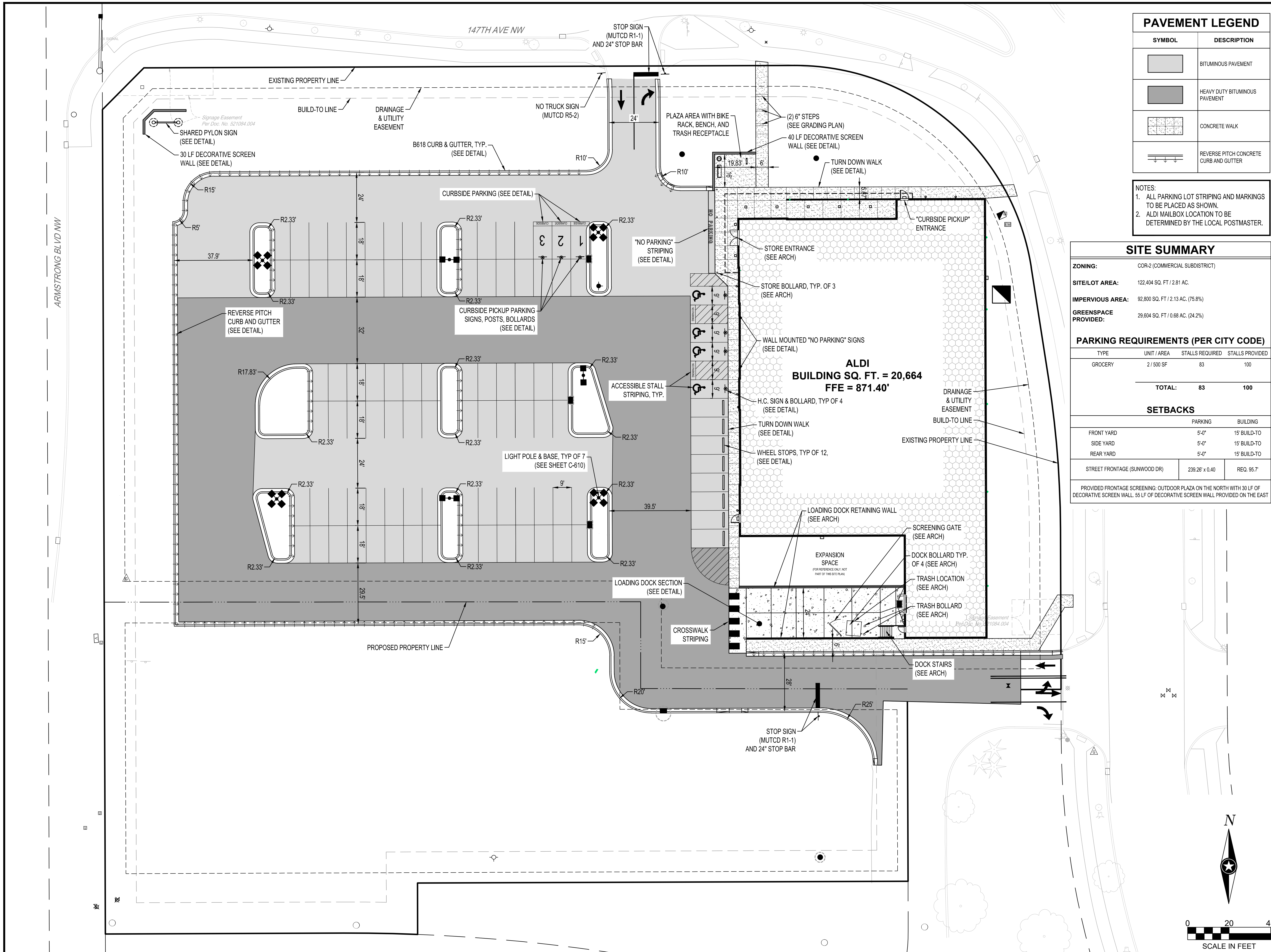
ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

SITE PLAN (SKETCH PLAN)

Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-310
Reviewed By: RJA	Drawing No.



PRELIMINARY NOT FOR CONSTRUCTION



PAVEMENT LEGEND

SYMBOL	DESCRIPTION
[Solid Grey Box]	BITUMINOUS PAVEMENT
[Dark Grey Box]	HEAVY DUTY BITUMINOUS PAVEMENT
[Grid Pattern Box]	CONCRETE WALK
[Hatched Box]	REVERSE PITCH CONCRETE CURB AND GUTTER

NOTES:
 1. ALL PARKING LOT STRIPING AND MARKINGS TO BE PLACED AS SHOWN.
 2. ALDI MAILBOX LOCATION TO BE DETERMINED BY THE LOCAL POSTMASTER.

SITE SUMMARY

ZONING: COR-2 (COMMERCIAL SUBDISTRICT)

SITE/LOT AREA: 122,404 SQ. FT / 2.81 AC.

IMPERVIOUS AREA: 92,800 SQ. FT / 2.13 AC. (75.8%)

GREENSPACE PROVIDED: 29,604 SQ. FT / 0.68 AC. (24.2%)

PARKING REQUIREMENTS (PER CITY CODE)

TYPE	UNIT / AREA	STALLS REQUIRED	STALLS PROVIDED
GROCERY	2 / 500 SF	83	100
TOTAL:		83	100

SETBACKS

	PARKING	BUILDING
FRONT YARD	5'-0"	15' BUILD-TO
SIDE YARD	5'-0"	15' BUILD-TO
REAR YARD	5'-0"	15' BUILD-TO
STREET FRONTAGE (SUNWOOD DR)	239.26' x 0.40	REQ. 95.7'

PROVIDED FRONTAGE SCREENING: OUTDOOR PLAZA ON THE NORTH WITH 30 LF OF DECORATIVE SCREEN WALL. 55 LF OF DECORATIVE SCREEN WALL PROVIDED ON THE EAST

Issued: _____ Date: _____

A	CITY SUBMITTAL #1	05/12/23
B	CITY SUBMITTAL #2	06/06/23
C		
D		
E		

Revisions: _____ Date: _____

1		
2		
3		
4		
5		
6		
7		
8		
9		

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

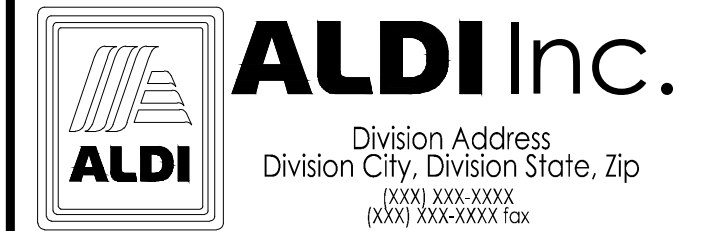
Ryan Anderson

DATE: 06/06/2023 LIC. NO. 55938

NOTE:
 THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



MANAGING LOCATION:
 BLOOMINGTON OFFICE
 7900 INTERNATIONAL DRIVE
 SUITE 550
 MINNEAPOLIS, MN 55425
 PHONE: 952.426.0699



ALDI Inc. Store #: 143
 RAMSEY, MN
 7992 SUNWOOD DR NW
 RAMSEY, MN 55303
 ANOKA COUNTY
 Project Name & Location:

SITE PLAN

Drawing Name: _____

Type: V7.0 ER

Drawn By: AJR

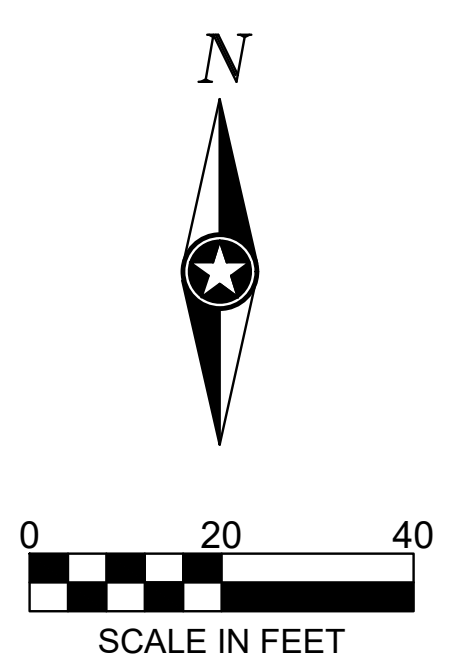
Designed By: AJR

Reviewed By: RJA

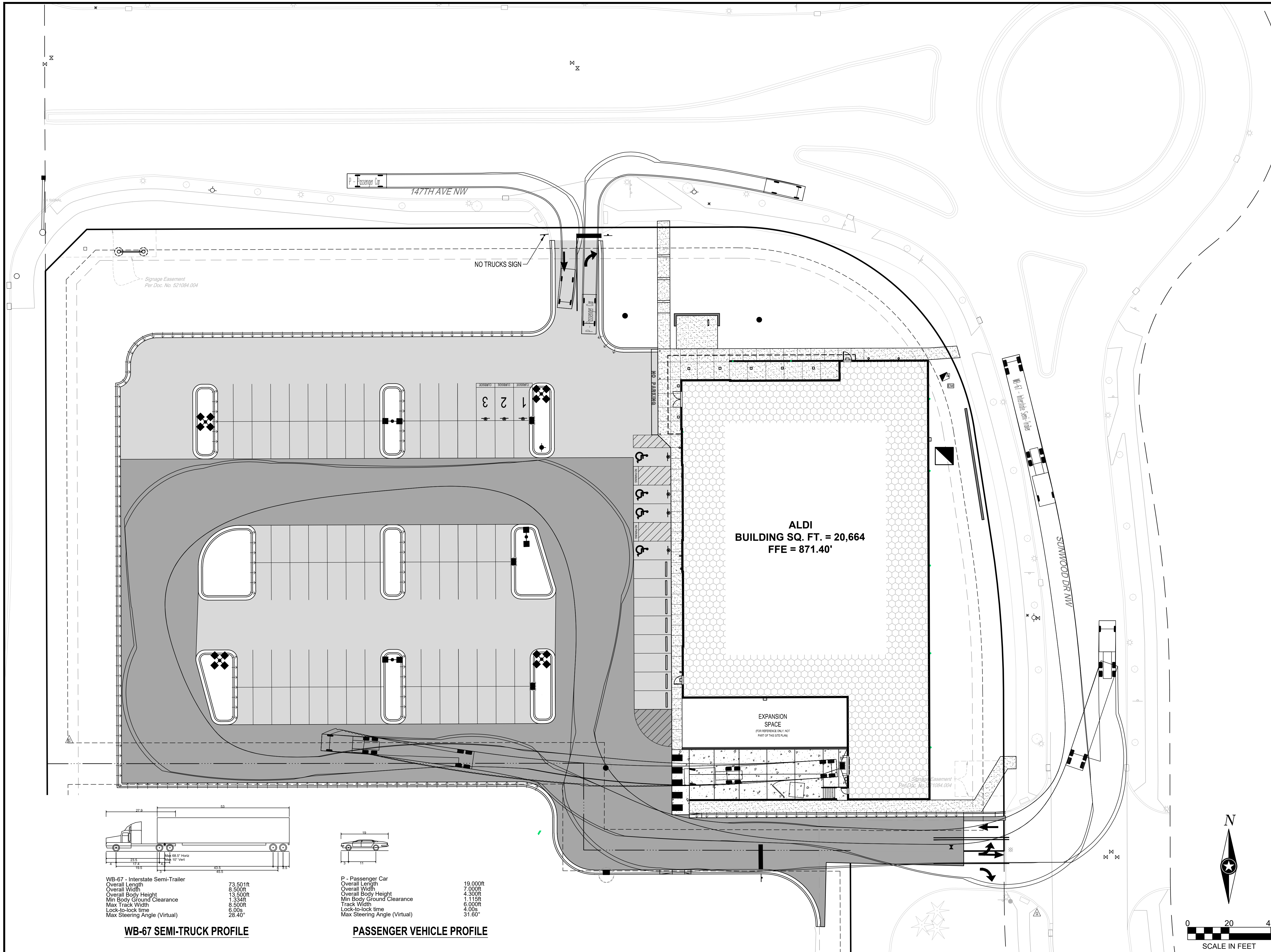
ISG Project No. 23-21339

C-310

Drawing No. _____



PRELIMINARY NOT FOR CONSTRUCTION



Issued:		Date:
A	CITY SUBMITTAL #1	05/12/23
B	CITY SUBMITTAL #2	06/06/23
C		
D		
E		

Revisions:		Date:
1		
2		
3		
4		
5		
6		
7		
8		
9		

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

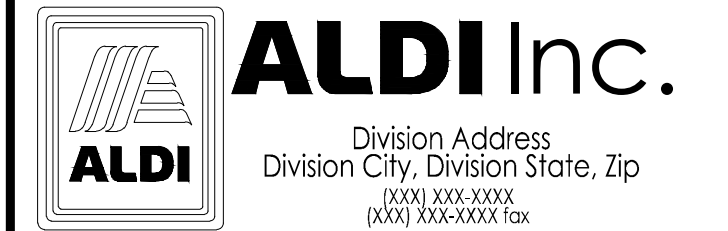
Ryan Anderson

DATE: 06/06/2023 LIC. NO. 55938

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



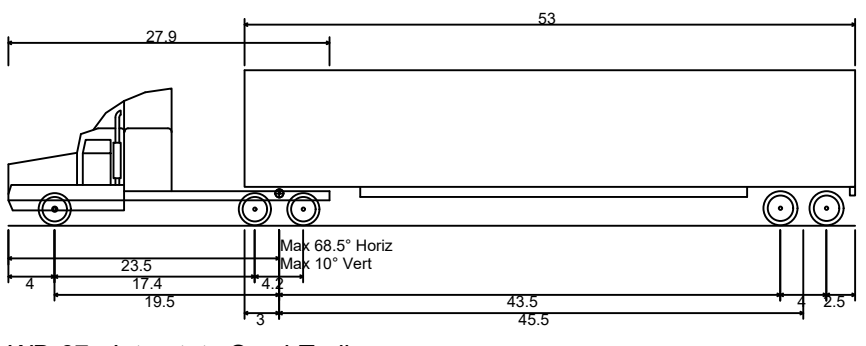
MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

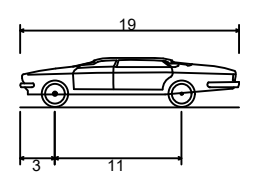
VEHICLE MOVEMENT PLAN

Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-311
Reviewed By: RJA	Drawing No.



WB-67 SEMI-TRUCK PROFILE

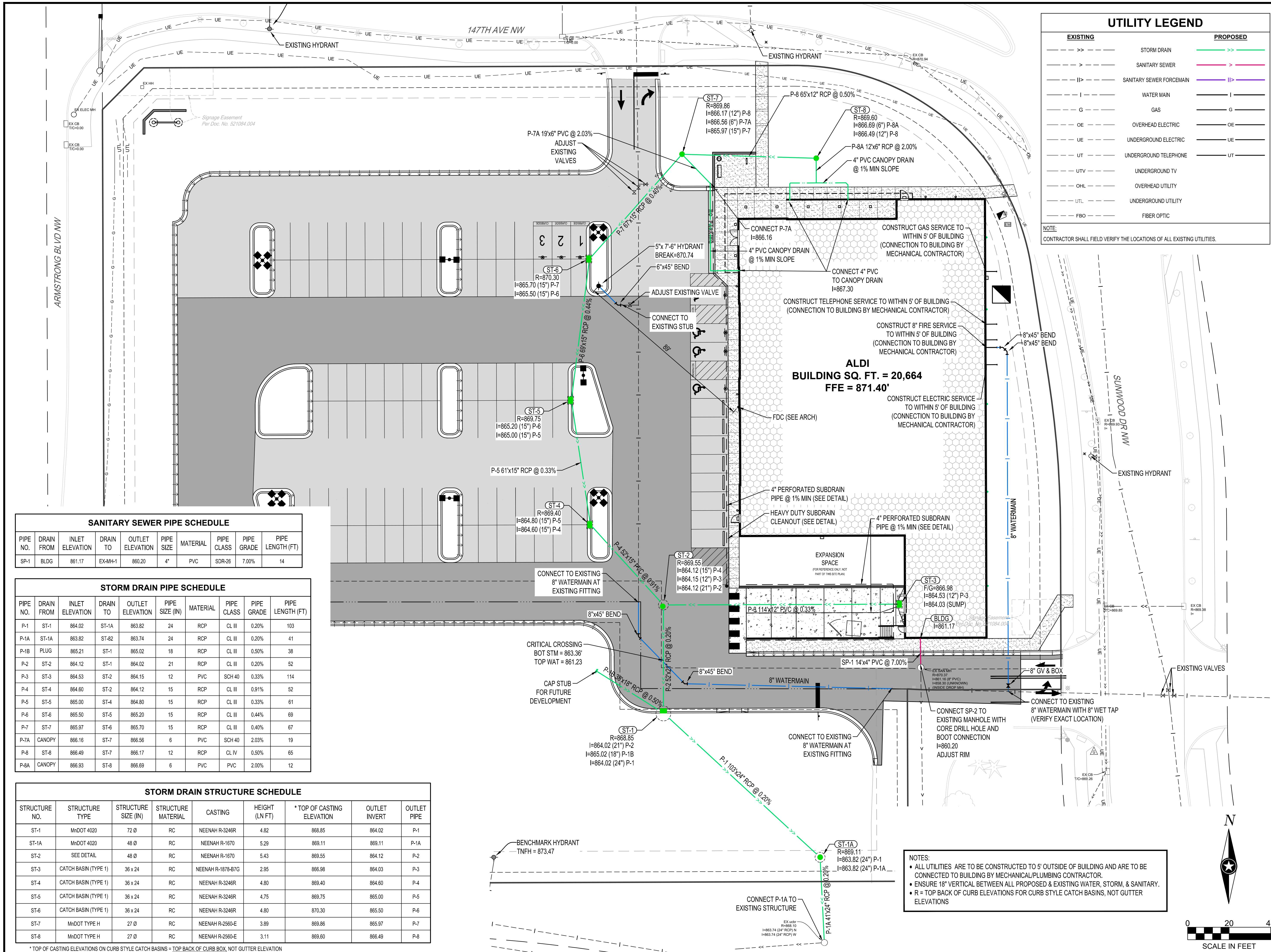
Overall Length 73.50ft
Overall Width 8.50ft
Overall Body Height 13.50ft
Min Body Ground Clearance 1.334ft
Max Track Width 8.50ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 28.40°



PASSENGER VEHICLE PROFILE

Overall Length 19.00ft
Overall Width 7.00ft
Overall Body Height 4.30ft
Min Body Ground Clearance 1.115ft
Track Width 6.00ft
Lock-to-lock time 4.00s
Max Steering Angle (Virtual) 31.60°

PRELIMINARY NOT FOR CONSTRUCTION



EXISTING		PROPOSED	
---	STORM DRAIN	---	STORM DRAIN
---	SANITARY SEWER	---	SANITARY SEWER
---	SANITARY SEWER FORCEMAIN	---	SANITARY SEWER FORCEMAIN
---	WATER MAIN	---	WATER MAIN
---	GAS	---	GAS
---	OVERHEAD ELECTRIC	---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC	---	UNDERGROUND ELECTRIC
---	UNDERGROUND TELEPHONE	---	UNDERGROUND TELEPHONE
---	UNDERGROUND TV	---	UNDERGROUND TV
---	OVERHEAD UTILITY	---	OVERHEAD UTILITY
---	UNDERGROUND UTILITY	---	UNDERGROUND UTILITY
---	FIBER OPTIC	---	FIBER OPTIC

NOTE:
CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	
Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RYAN J. ANDERSON

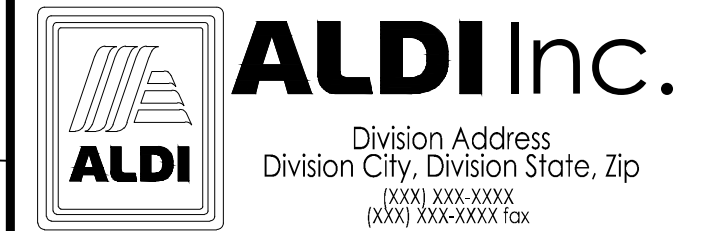
Ryan Anderson

DATE 06/06/2023 LIC. NO. 55938

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



MANAGING LOCATION:
BLOOMINGTON OFFICE
7900 INTERNATIONAL DRIVE
SUITE 550
MINNEAPOLIS, MN 55425
PHONE: 952.426.0699



ALDI Inc. Store #: 143
RAMSEY, MN
7992 SUNWOOD DR NW
RAMSEY, MN 55303
ANOKA COUNTY
Project Name & Location:

SITE UTILITY PLAN

Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	
Designed By: AJR	C-320
Reviewed By: RJA	Drawing No.

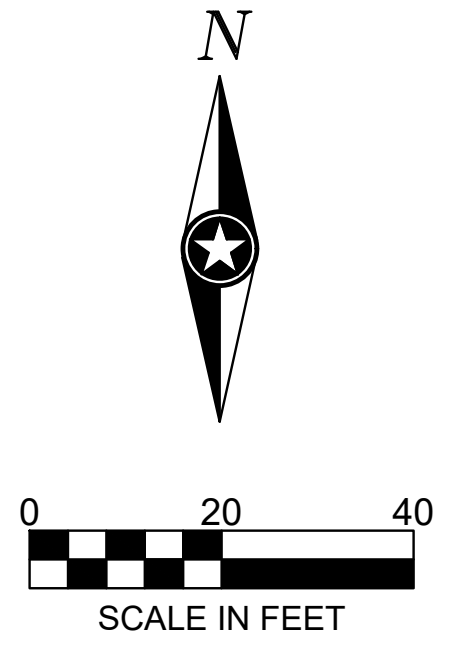
SANITARY SEWER PIPE SCHEDULE									
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
SP-1	BLDG	861.17	EX-MH-1	860.20	4"	PVC	SDR-26	7.00%	14

STORM DRAIN PIPE SCHEDULE									
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE (IN)	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
P-1	ST-1	864.02	ST-1A	863.82	24	RCP	CL III	0.20%	103
P-1A	ST-1A	863.82	ST-82	863.74	24	RCP	CL III	0.20%	41
P-1B	PLUG	865.21	ST-1	865.02	18	RCP	CL III	0.50%	38
P-2	ST-2	864.12	ST-1	864.02	21	RCP	CL III	0.20%	52
P-3	ST-3	864.53	ST-2	864.15	12	PVC	SCH 40	0.33%	114
P-4	ST-4	864.60	ST-2	864.12	15	RCP	CL III	0.91%	52
P-5	ST-5	865.00	ST-4	864.80	15	RCP	CL III	0.33%	61
P-6	ST-6	865.50	ST-5	865.20	15	RCP	CL III	0.44%	69
P-7	ST-7	865.97	ST-6	865.70	15	RCP	CL III	0.40%	67
P-7A	CANOPY	866.16	ST-7	866.56	6	PVC	SCH 40	2.03%	19
P-8	ST-8	866.49	ST-7	866.17	12	RCP	CL IV	0.50%	65
P-8A	CANOPY	866.93	ST-8	866.69	6	PVC	PVC	2.00%	12

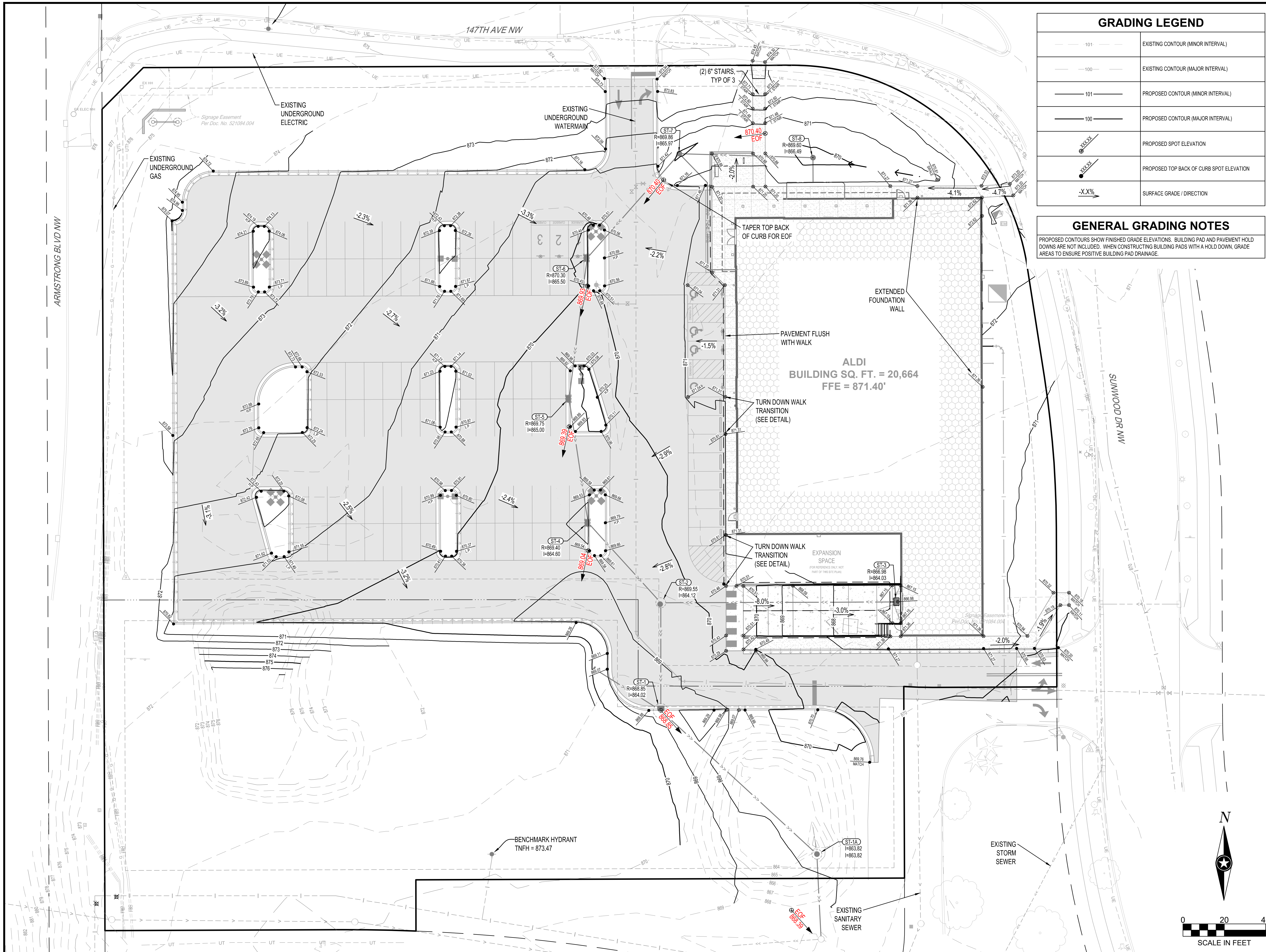
STORM DRAIN STRUCTURE SCHEDULE								
STRUCTURE NO.	STRUCTURE TYPE	STRUCTURE SIZE (IN)	STRUCTURE MATERIAL	CASTING	HEIGHT (LN FT)	* TOP OF CASTING ELEVATION	OUTLET INVERT	OUTLET PIPE
ST-1	MnDOT 4020	72 Ø	RC	NEENAH R-3246R	4.82	868.85	864.02	P-1
ST-1A	MnDOT 4020	48 Ø	RC	NEENAH R-1670	5.29	869.11	869.11	P-1A
ST-2	SEE DETAIL	48 Ø	RC	NEENAH R-1670	5.43	869.55	864.12	P-2
ST-3	CATCH BASIN (TYPE 1)	36 x 24	RC	NEENAH R-1878-B7G	2.95	866.98	864.03	P-3
ST-4	CATCH BASIN (TYPE 1)	36 x 24	RC	NEENAH R-3246R	4.80	869.40	864.60	P-4
ST-5	CATCH BASIN (TYPE 1)	36 x 24	RC	NEENAH R-3246R	4.75	869.75	865.00	P-5
ST-6	CATCH BASIN (TYPE 1)	36 x 24	RC	NEENAH R-3246R	4.80	870.30	865.50	P-6
ST-7	MnDOT TYPE H	27 Ø	RC	NEENAH R-2560-E	3.89	869.86	865.97	P-7
ST-8	MnDOT TYPE H	27 Ø	RC	NEENAH R-2560-E	3.11	869.60	866.49	P-8

* TOP OF CASTING ELEVATIONS ON CURB STYLE CATCH BASINS = TOP BACK OF CURB BOX, NOT GUTTER ELEVATION

NOTES:
 • ALL UTILITIES ARE TO BE CONSTRUCTED TO 5' OUTSIDE OF BUILDING AND ARE TO BE CONNECTED TO BUILDING BY MECHANICAL/PLUMBING CONTRACTOR.
 • ENSURE 18" VERTICAL BETWEEN ALL PROPOSED & EXISTING WATER, STORM, & SANITARY.
 • R = TOP BACK OF CURB ELEVATIONS FOR CURB STYLE CATCH BASINS, NOT GUTTER ELEVATIONS



PRELIMINARY NOT FOR CONSTRUCTION



GRADING LEGEND	
--- 101 ---	EXISTING CONTOUR (MINOR INTERVAL)
--- 100 ---	EXISTING CONTOUR (MAJOR INTERVAL)
— 101 —	PROPOSED CONTOUR (MINOR INTERVAL)
— 100 —	PROPOSED CONTOUR (MAJOR INTERVAL)
● 871.11	PROPOSED SPOT ELEVATION
● 871.11	PROPOSED TOP BACK OF CURB SPOT ELEVATION
-X.X%	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES
 PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED. WHEN CONSTRUCTING BUILDING PADS WITH A HOLD DOWN, GRADE AREAS TO ENSURE POSITIVE BUILDING PAD DRAINAGE.

Issued:	Date:
A CITY SUBMITTAL #1	05/12/23
B CITY SUBMITTAL #2	06/06/23
C	
D	
E	

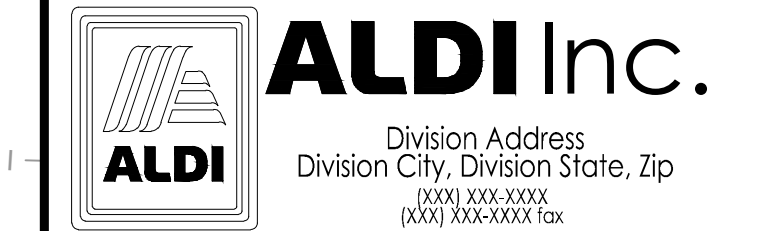
Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 RYAN J. ANDERSON
Ryan Anderson
 DATE 06/06/2023 LIC. NO. 55938

NOTE:
 THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.



MANAGING LOCATION:
 BLOOMINGTON OFFICE
 7900 INTERNATIONAL DRIVE
 SUITE 550
 MINNEAPOLIS, MN 55425
 PHONE: 952.426.0699



ALDI Inc. Store #: 143
 RAMSEY, MN
 7992 SUNWOOD DR NW
 RAMSEY, MN 55303
 ANOKA COUNTY
 Project Name & Location:

GRADING PLAN	
Drawing Name:	ISG Project No.
Type: V7.0 ER	23-21339
Drawn By: AJR	C-410
Designed By: AJR	Drawing No.
Reviewed By: RJA	

PRELIMINARY NOT FOR CONSTRUCTION