EJC	CDC臺		Co	entractor's Appli	cation for	Payment No.	16
	RS JOINT CONTRACT		Application Period:	1/31/2018		Application Date:	1/31/2018
To (Owner):	City of North Liberty Quail Creek Circle Liberty, Iowa 52317	3 North	From (Contractor):	Portzen Construction, Inc. Stone Valley Drive Iowa 52003	205 Dubuque,	Via (Engineer);	FOX Engineering 414 South 17th Street, Suite 107 Ames, Iowa 50010
Project:	Phase 1 Water System Imp Water Treatment Plant	provements Division 1 -	Contract.				
Owner's C	ontract No.:	None	Contractor's P	roject No.:	#16-29	Engineer's Project No.:	3373-15A

Application For Payment Change Order Summary

Approved Change Orders			1. ORIGINAL CONTRACT PRICE
Number	Additions	Deductions	2. Net change by Change Orders. \$ 4,741,00
COR 1	\$26,585.00	\$1,805.00	3. Current Contract Price (Line 1 ± 2)
COR 2	\$24,352.00		4. TOTAL COMPLETED AND STORED TO DATE
COR 3		\$41,737.00	(Column F total on Progress Estimates)
COR 4		\$61,625.00	5. RETAINAGE:
COR5	\$20,635.00		a. 5% X 11,233,644.56 Work Completed \$ \$61,682,23
COR 6	\$40,414.00	\$20,384.00	b. 5% X 356,548.30 Stored Material S 17827.42
COR 7	\$8,895.00		C. Total Retainage (Line 5.2 + Line 5.b)
COR8	\$4,026.00		6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)
COR 9	\$5,385.00		
TOTALS	\$130,292.00	\$125,551.00	7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)
NET CHANGE BY CHANGE ORDERS	\$4,74	1.00	8. AMOUNT DUE THIS APPLICATION

(Column G total on Progress Estimates + Line S.c above)...... \$ 2,443,057.79

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following: (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and excumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or factoring and (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents

and is not defective.

Date:

By:

Contractor Signature

Matt Anderson, Estimater

1/31/2018

981,577.88 Payment of: (Line 8 or other attach explanation of the other amount) no is recommended by: (Date) Payment of: (Line 8 or other - attach explanation of the other amount) is approved by: (Owner) (Date) Approved by:

Funding or Financing Entity (if applicable)

(Date)

EJCDC® C-620 Contractor's Application for Payment © 2013 National Society of Professional Engineers for EJCDC. All rights reserved. Page 1 of 1

E10	.DC Not State Sta	Contractor's Application for	or Payment No.	29R
	RS JOINT CONTRACT	Application 1/01/18 - 1/31/18 Period:	Application Date:	1/30/2018
To (Owner):	City of North Liberty, 3 Quail Creek Circle, North Liberty, IA 52317	From (Contractor): Tricon Construction Group, Dubuque, IA 52001	Via (Engineer):	Fox Engineering Inc 414 S St, Ste 107, Ames IA
Project:	Phase II WWTP Improvements City of North Liberty	Contract: Phase II WWTP Improvements		
Owner's C	ontract No.:	Contractor's Project No.: 15-012-IA	Engineer's Project No.: 2489-11A	

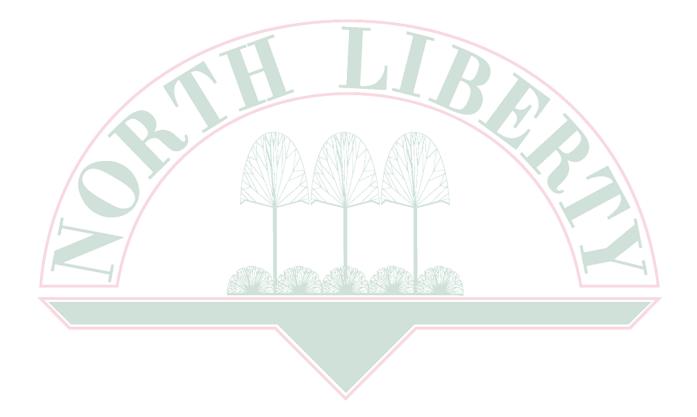
Application For Payment

Approved Change Orders	Change Order Summary			
Number	Additions		1. ORIGINAL CONTRACT PRICE	
1	\$3,862.41	Deductions	2. Net change by Change Orders	
2	\$23,001.91		3. Current Contract Price (Line 1 ± 2)	\$ \$15,977,382.39
3	\$6,448.07		4. TOTAL COMPLETED AND STORED TO DATE	
4	\$9,908.71		(Column F total on Progress Estimates)	\$ \$15,789,928.83
5	\$62,335.01		5. RETAINAGE:	
6			a. 5% X \$15,725,728.83 Work Completed	\$ \$786,286,44
7	\$3,942.11		b. 5% XS64,200.00Stored Material	\$ \$3,210.00
8	\$9,069.92		c. Total Retainage (Line 5.a + Line 5.b)	\$ \$789,496.44
		\$928.64	6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)	\$ \$15,000,432.39
9 thru 14	\$235,366.95		7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	\$ \$14,996,997.91
15	\$3,375.94		8. AMOUNT DUE THIS APPLICATION	
TOTALS	\$357,311.03	\$928.64	9. BALANCE TO FINISH, PLUS RETAINAGE	
NET CHANGE BY CHANGE ORDERS	\$356,38	2.39	(Column G total on Progress Estimates + Line 5.c above)	\$ \$976,950.00
 All previous progress paymen ave been applied on account to o be Work covered by prior Applie (2) Title to all Work, materials an overed by this Application for P- iens, security interests, and encu- demnifying Owner against any 	cations for Payment; of equipment incorporated in said W ayment, will pass to Owner at time (imbrances (except such as are cover such Liens, security interest, or enco Application for Payment is in accord	of Work done under the Contract ligations incurred in connection with York, or otherwise listed in or of payment free and clear of all ed by a bond acceptable to Owner umbrances); and dance with the Contract Documents	Payment of: \$	2-2-18 (Date)
Mare 11	tono	Date: 1-30-18	Funding or Financing Entity (if applicable)	(Date)

EJCDC® C-620 Contractor's Application for Payment

© 2013 National Society of Professional Engineers for EJCDC. All rights reserved.

Mayor Report





PROCLAMATION

February is Black History Month

Whereas, Black History Month is celebrated each February in the United States; and

- Whereas, To preserve and protect the legacy of African-Americans, a time should be set aside to focus and reflect on the lifetime successes and achievements of great leaders, educators, scholars, inventors, politicians, writers, artists and citizens; and
- Whereas, The observance of Black History Month calls our community's attention to the continued need to battle racism and to build a society that lives up to its democratic ideals;
- Now, Therefore, I, Terry L. Donahue, Mayor of the City North Liberty, do hereby publicly join governments across the country to proclaim the month of February 2018 as Black History Month in North Liberty, Iowa, and urge our citizens to recognize this month by becoming aware of the history, culture, legacy, struggles and achievements of African-Americans.

Signed this Thirteenth day of February, 2018.

Terry L. Donahue, Mayor City of North Liberty, Iowa

Johnson County Refuse Service Update



Johnson County Refuse Program Revisions

Community and City Council feedback was a driver for staff to reach out to Johnson County Refuse to discuss the potential to move to a different program for trash and recycling. City staff began meeting with Steve Smith in October to discuss revisions. The following represents the revised program proposal that would begin as soon as automatic trucks and receptacles are purchased and delivered.

- Revise sticker and recycling program. Trash bins and recycle bins owned and distributed by Johnson County Refuse at Johnson County Refuse's expense.
- Trash receptacle 65 gallon. Recycle receptacle 95 gallon (more than five times the size of current bins.
- Annual stickers eliminated. City Hall staff was spending most of June solely selling annual stickers with no revenues coming to the City. Bulky items and additional trash will be picked up curbside with the purchase of stickers. The resident with extra items/trash will contact Johnson County Refuse for the amount necessary. Stickers will be available on a limited access basis.
- Trash route will be extended from one day per week to four or five days per week. The City would be divided up into zones for routes.
- Refuse trucks would be automated. All recycling and trash need to fit within the receptacle. The driver will not be getting out of the truck to pick up loose items.
- Old bins can be repurposed by property owners or set out on specific dates for pickup and recycling.
- Johnson County Refuse needs the City's commitment in a long-term contract to move to this program for financing purposes. Every single family and duplex unit must participate in order for this program to financially work.
- The cost per month would be \$18.50 for both trash and recycling services. This cost is in line with Coralville and Iowa City costs. Coralville's cost is \$20.00 for comparably sized receptacles. Iowa City charges \$17.10 for a similar program. The cost per month covers the large financial investment in receptacles and automated trucks.



Description	Current Cost per month	Proposed Cost per month
Recycling	\$4.85	Included in total
City Clean Up Day	\$0.30	\$0.30
Trash (assumes 2 stickers per week)	\$10.40	Included in total
Total	\$15.55	\$18.80

- The above table shows an average monthly cost; however, there are some households that use less stickers and some cases no stickers at all because they are getting rid of their garbage through other means (i.e. taking it to a work dumpster, which is not a legal option).
- The program for multi-family properties with dumpsters is still being worked through. Many units don't have space for a 95-gallon receptacle to be stored onsite. Steve is looking at options for how these units can be best served and what cost is appropriate for those units.
- Staff would begin a public education campaign immediately upon Council authorization to move ahead with the revised program.

Iowa City Community School District Site Plan

Recommended for approval by Planning Commission at their meeting on February 6, 2018.



January 26, 2018

<u>Memo</u>

To: North Liberty Planning Commission From: Dean Wheatley, Planning Director Subject: Site Plan Approval Request (Proposed Grant Elementary Addition)

Your North Liberty city staff has reviewed the subject submission, and offer comments presented in this memo. The staff review team includes the following personnel: Ryan Heiar, City Administrator Tracey Mulcahey, Assistant City Administrator Tom Palmer, City Building Official

Scott Peterson, City Attorney

Kevin Trom, City Engineer

Dean Wheatley, Planning Director

This is a request from the Iowa City Community School District to approve an elementary school site plan for land located between CENTRO manufacturing and N Front Street. A Good Neighbor meeting was held on October 26 for the rezoning (which is now completed) and plat to allow any interested party an opportunity to comment on this rezoning prior to submission, and eight people attended. Most were interested in the site plan rather than the rezoning, so staff contacted those who signed in to let them know a site plan has been submitted and offered to review it with them. Bob and Mary Burns, as well as Jesse Burns, strongly advocated for the extension of North Bend Drive to not curve as shown on the preliminary site plan but to extend straight east to N Front Street. Chuck Deisbach of South Slope also had concerns related to difficulty they have entering and exiting the South Slope driveway, which is where City staff has directed the future alignment of North Bend Drive to terminate. Staff provided early guidance to the school district's engineers to locate North Bend Drive at the location shown on the site plan, and we feel strongly that the southerly location advocated by the Burns' does not meet safety standards related to sight distance and would create dangerous turning movements on Front Street.

Traffic issues anticipated with the new school have been studied and redesigns for North Front Street and Penn Street in the vicinity are being considered, with construction anticipated prior to school opening, pending Council approval. North Bend Drive will be extended east to Front Street, and will provide the vehicular access points for the new school. The first access point is planned to be approximately 380 feet west of N Front Street, more than double the comparable distance at Garner school, which is anticipated to provide more vehicular storage and ease of access. Also, the intersection at N Front Street will be designed for better flow. The site is well served by the City's trail and sidewalk systems within the anticipated attendance area.

Setbacks far exceed the minimum requirements of the district, and storm water management features have been thoughtfully incorporated. The site topography is quite rolling, so the building will have the look of a single-story at the south and a two-story at the north elevations. The shortest dimension

between the proposed school building and the rear lot lines of homes in Cedar Springs is approximately 360 feet, more than a typical city block. Internal sidewalks are provided throughout the site, with connections to the City trails and sidewalks adjacent to the site.

Storm water basins are designed to incorporate a somewhat improved look when compared to the bare minimum, with a sinuous rock channels and native prairie seeding.

The building design is an attractive modern style with very high masonry content, numerous wall offsets, roof variety, and a sprawling presence.

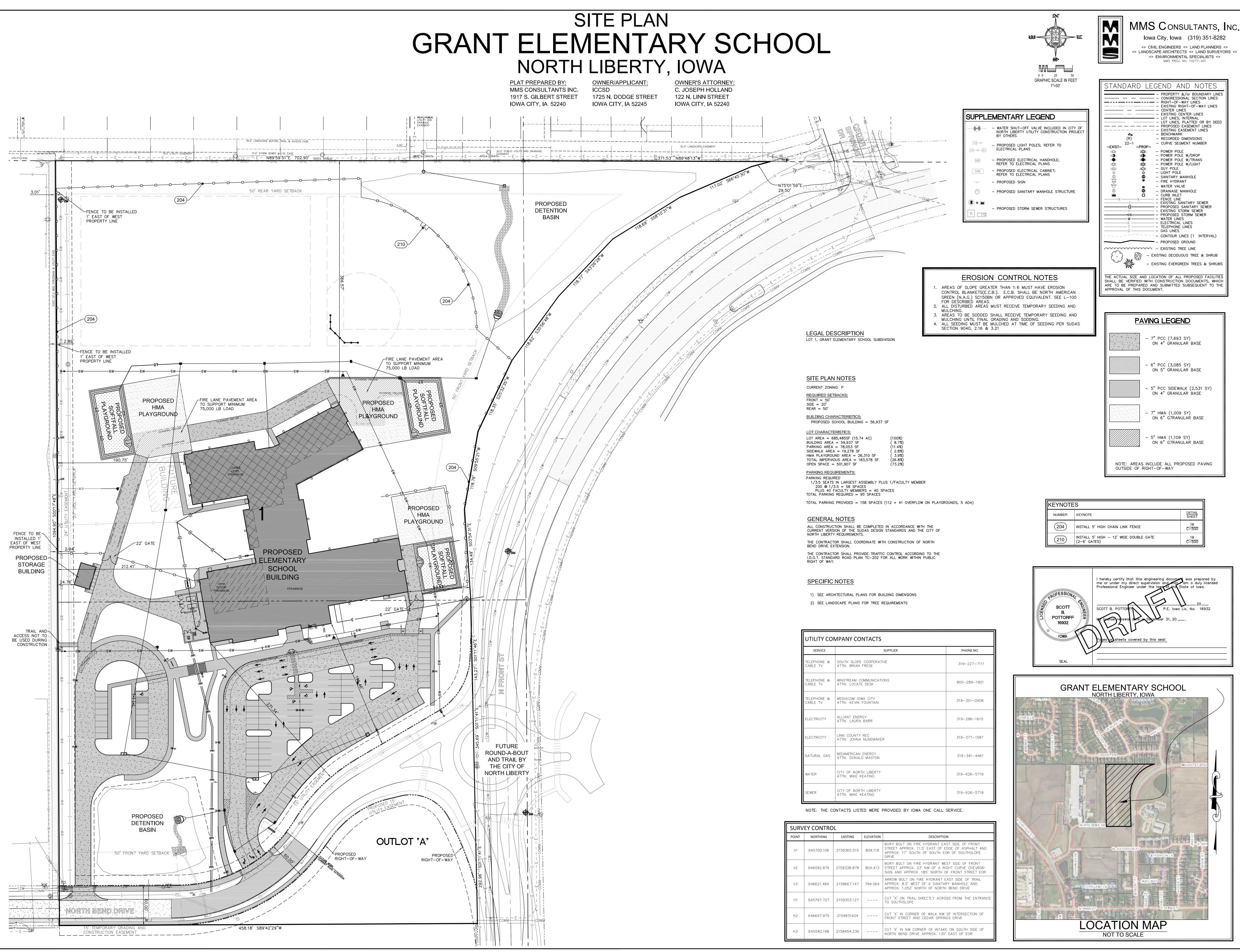
It is reasonable to compare this proposed school with the other recently built elementary, Garner, and here are some figures provided by the school district engineer:

	Garner	Proposed Grant
Student Population	665 (current)	600
Parking Count	138	158 (117 + 41 overflow on playgrounds)
Car Queuing Lane	520' from front door to Birch Street 740' total length	645' from front door to North Bend 910' total length

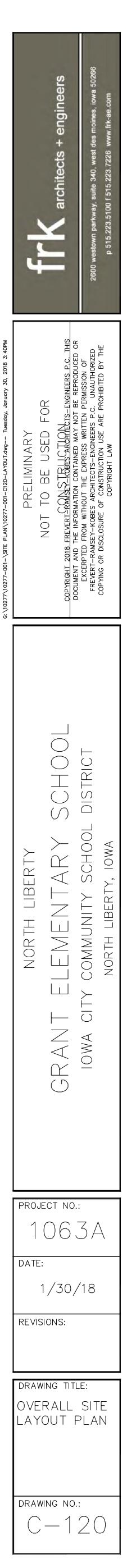
Staff recommends approval of the site plan. There are a number of notes for items that need to be taken care of as the overall City-School development process continues.

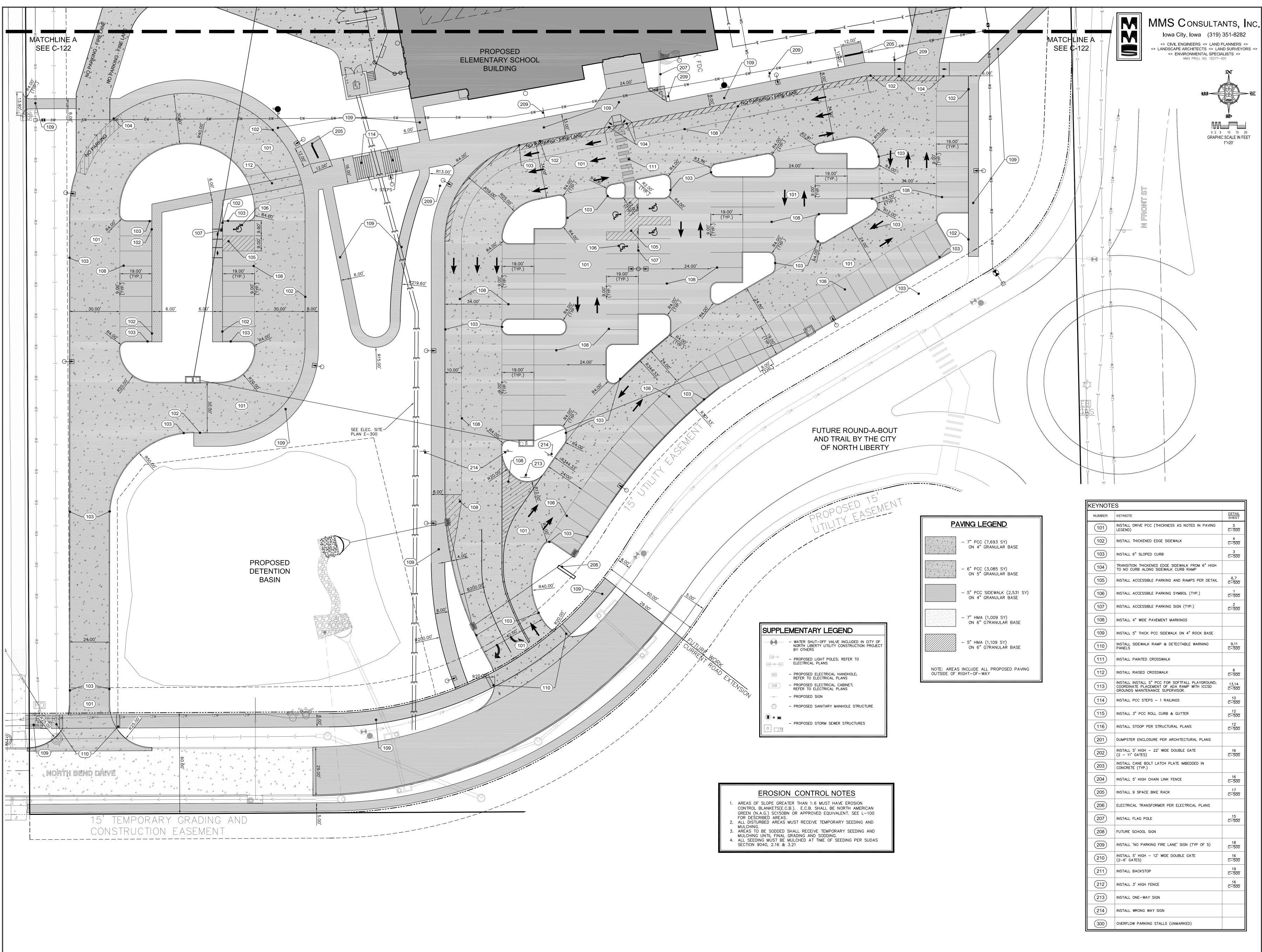
Notes:

- The preliminary plat, final plat, and BMP Agreement will need to be developed and submitted together after site plan approval but before occupancy is permitted. The BMP (aka SMF) maintenance agreement is required between the Owner and the City for long term maintenance responsibilities of the stormwater management features. The owner is to provide proposed maintenance requirements to the City Engineer in Word format so that the City Attorney can fold them into the standard agreement format.
- A Site Plan Agreement between the district and the City establishing obligations for a number of issues related to the short schedule needed by the school district to start construction will be required prior to issuance of a building permit. Items to be included in the agreement include:
 - Cost share for the proposed roundabout design and construction.
 - Schedule for completion of the preliminary plat, final plat, and BMP Agreement.
- Actual fire lane markings and signs will be determined by the fire department at a future time.

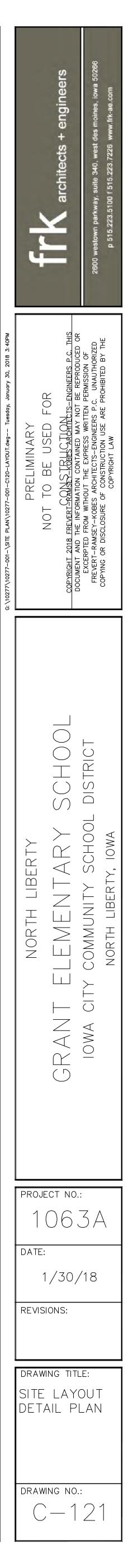


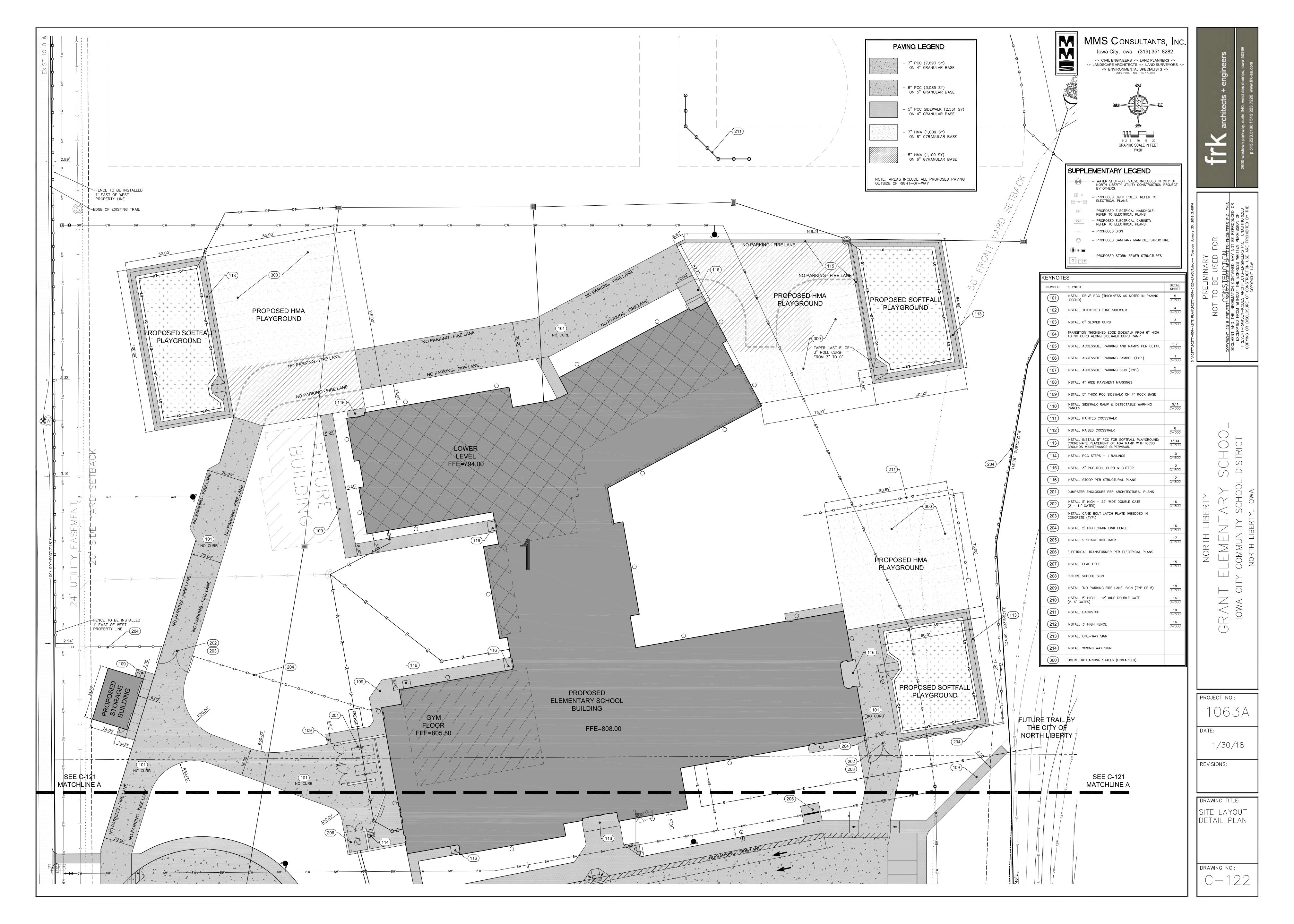
SURVEY CONTROL					
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	
V1	645700.106	2159365.515	809.118	BURY BOLT ON FIRE HYDRANT EAST SIDE OF FRONT STREET APPROX. 11.5' EAST OF EDGE OF ASPHALT AND APPROX. 17' SOUTH OF SOUTH EOR OF SOUTHSLOPE DIRVE	
V2	646092.876	2159338.878	804.413	BURY BOLT ON FIRE HYDRANT WEST SIDE OF FRONT STREET APPROX. 23' NW OF A RIGHT CURVE CHEVRON SIGN AND APPROX. 185' NORTH OF FRONT STREET EOR	
V3	646621.484	2158667.147	794.064	ARROW BOLT ON FIRE HYDRANT EAST SIDE OF TRAIL APPROX. 8.5' WEST OF A SANITARY MANHOLE AND APPROX. 1,052' NORTH OF NORTH BEND DRIVE	
H1	645797.727	2159303.127		CUT 'X' ON TRAIL DIRECTLY ACROSS FROM THE ENTRANCE TO SOUTHSLOPE	
Н2	646647.975	2159831424		CUT 'X' IN CORNER OF WALK NW OF INTERSECTION OF FRONT STREET AND CEDAR SPRINGS DRIVE	
H3	645540.198	2158454.236		CUT 'X' IN NW CORNER OF INTAKE ON SOUTH SIDE OF NORTH BEND DRIVE APPROX. 130' EAST OF EOR	

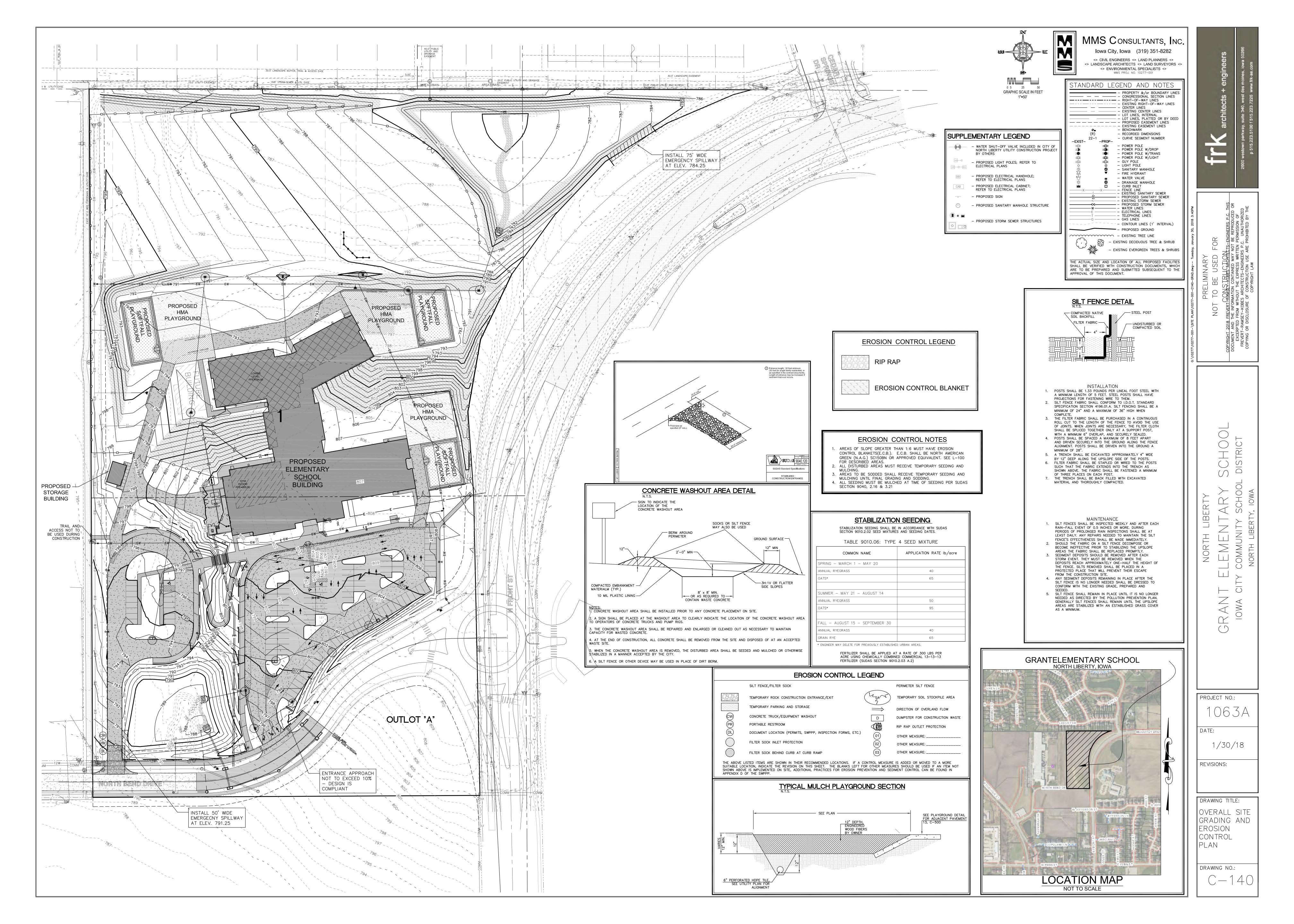


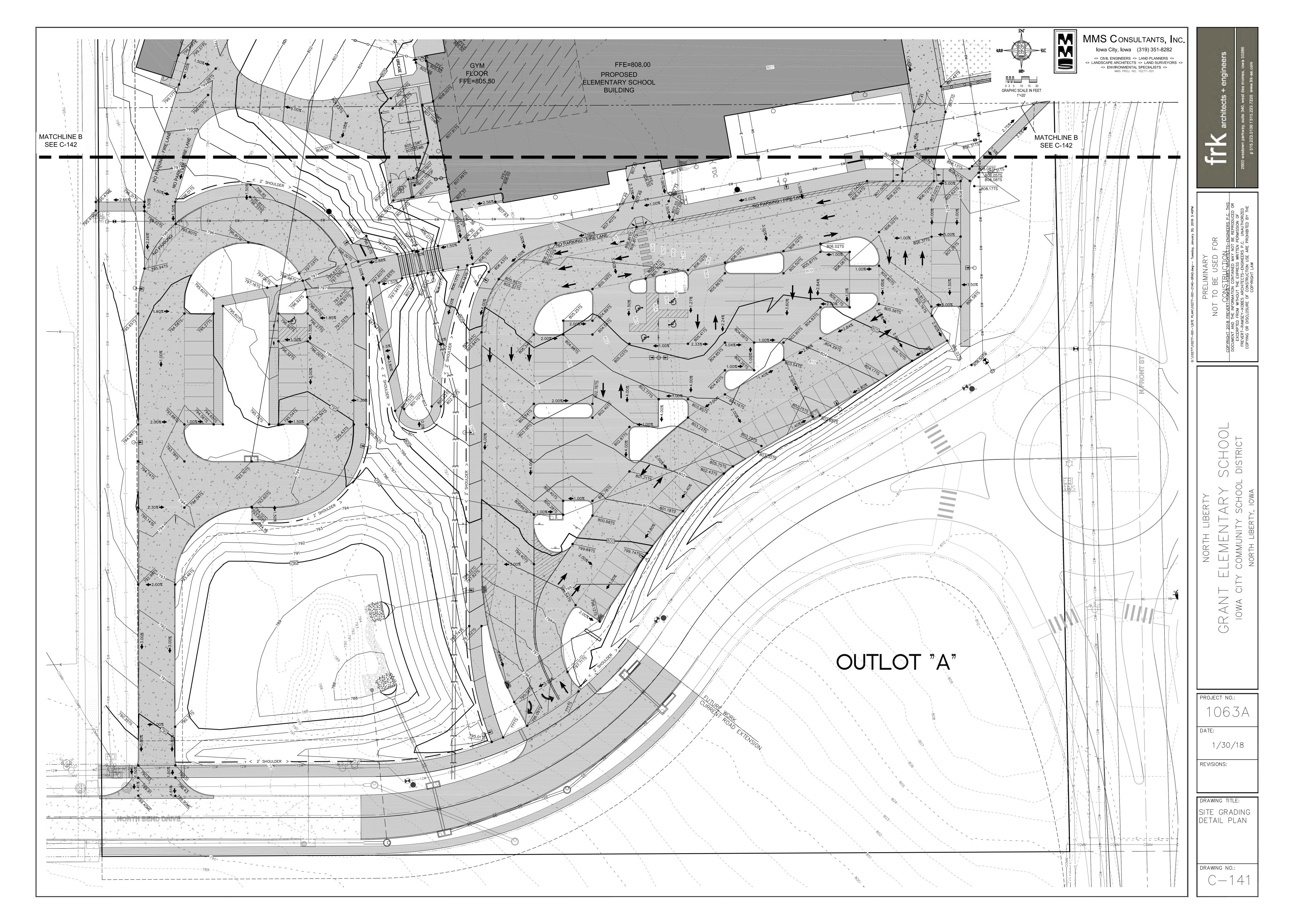


	-	
NUMBER	KEYNOTE	
(101)	INSTALL DRIVE PCC (THICKNESS AS NOTED IN PAVING LEGEND)	
(102)	INSTALL THICKENED EDGE SIDEWALK	
(103)	INSTALL 6" SLOPED CURB	
(104)	TRANSITION THICKENED EDGE SIDEWALK FROM 6" HIGH TO NO CURB ALONG SIDEWALK CURB RAMP	
(105)	INSTALL ACCESSIBLE PARKING AND RAMPS PER DETAIL	
(106)	INSTALL ACCESSIBLE PARKING SYMBOL (TYP.)	
(107)	INSTALL ACCESSIBLE PARKING SIGN (TYP.)	
108	INSTALL 4" WIDE PAVEMENT MARKINGS	
(109)	INSTALL 5" THICK PCC SIDEWALK ON 4" ROCK BASE	
(110)	INSTALL SIDEWALK RAMP & DETECTABLE WARNING PANELS	
(111)	INSTALL PAINTED CROSSWALK	
(112)	INSTALL RAISED CROSSWALK	
(113)	INSTALL INSTALL 5" PCC FOR SOFTFALL PLAYGROUND; COORDINATE PLACEMENT OF ADA RAMP WITH ICCSD GROUNDS MAINTENANCE SUPERVISOR.	
(114)	INSTALL PCC STEPS – 1 RAILINGS	
(115)	INSTALL 3" PCC ROLL CURB & GUTTER	
(116)	INSTALL STOOP PER STRUCTURAL PLANS	
201	DUMPSTER ENCLOSURE PER ARCHITECTURAL PLANS	
202	INSTALL 5' HIGH – 22' WIDE DOUBLE GATE (2 – 11' GATES)	
203	INSTALL CANE BOLT LATCH PLATE IMBEDDED IN CONCRETE (TYP.)	
204	INSTALL 5' HIGH CHAIN LINK FENCE	
205	INSTALL 9 SPACE BIKE RACK	
206	ELECTRICAL TRANSFORMER PER ELECTRICAL PLANS	
207	INSTALL FLAG POLE	
208	FUTURE SCHOOL SIGN	
209	INSTALL 'NO PARKING FIRE LANE' SIGN (TYP OF 5)	
(210)	INSTALL 5' HIGH – 12' WIDE DOUBLE GATE (2–6' GATES)	
(211)	INSTALL BACKSTOP	
(212)	INSTALL 3' HIGH FENCE	
(213)	INSTALL ONE-WAY SIGN	
(214)	INSTALL WRONG WAY SIGN	
300	OVERFLOW PARKING STALLS (UNMARKED)	
		_

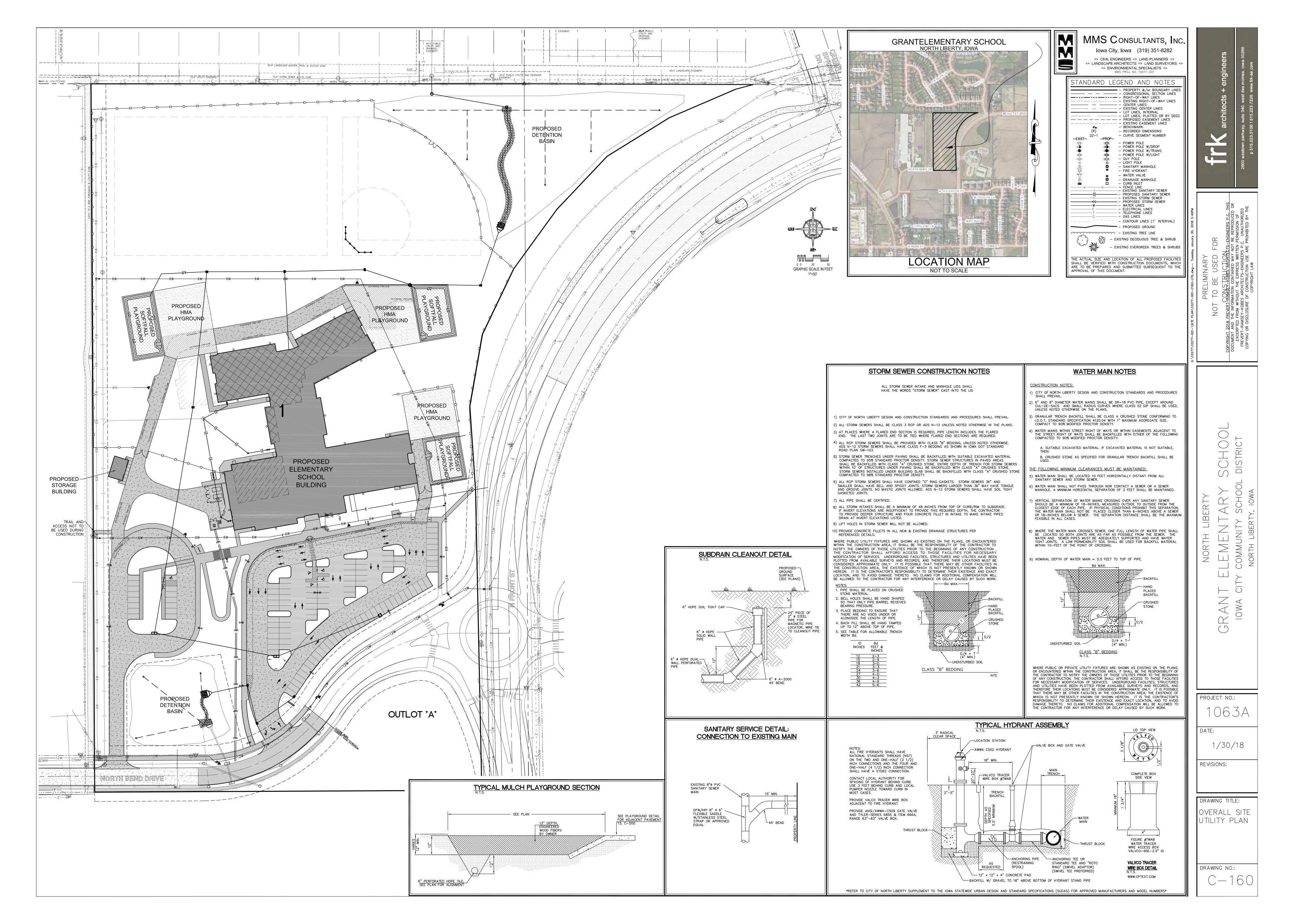


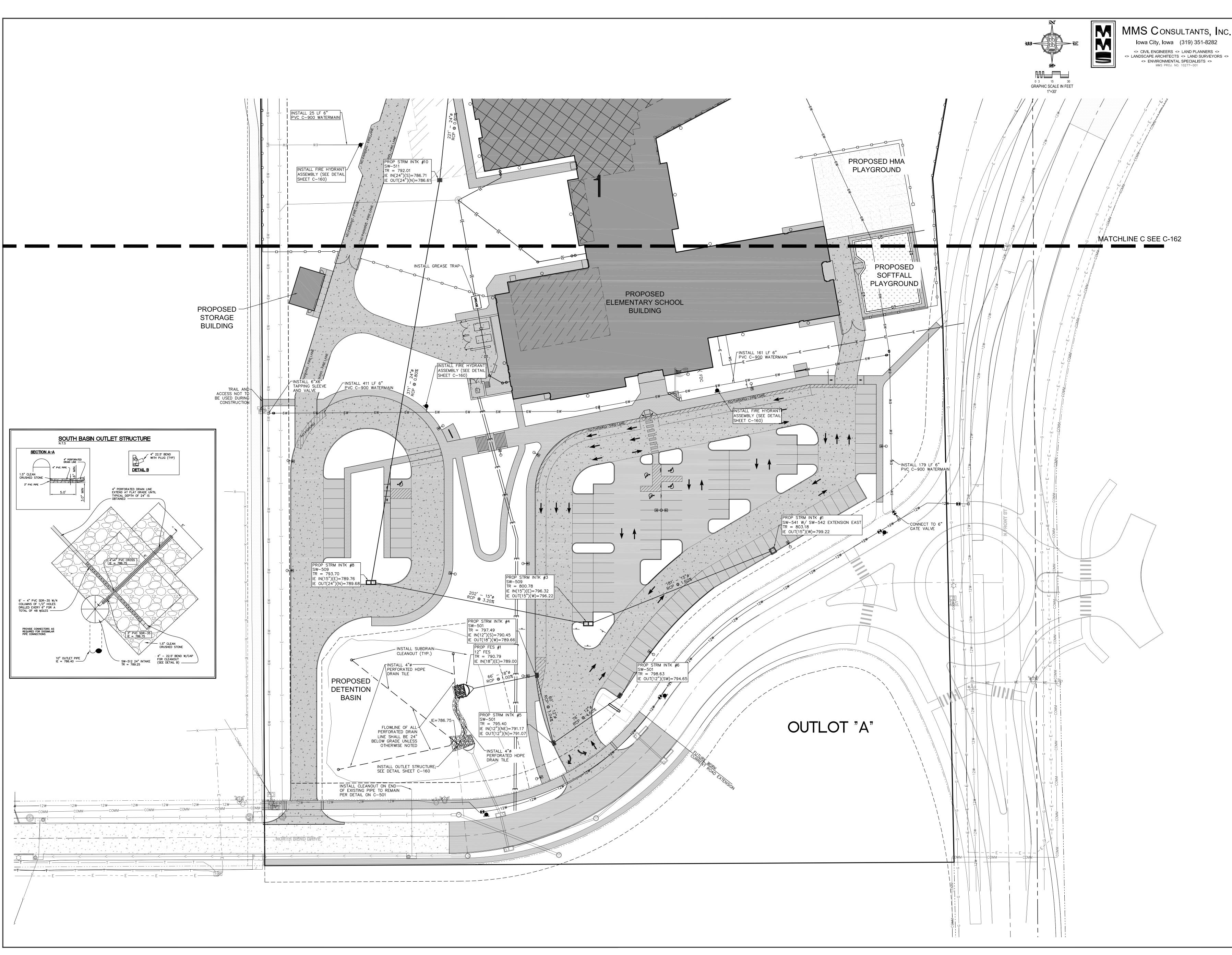




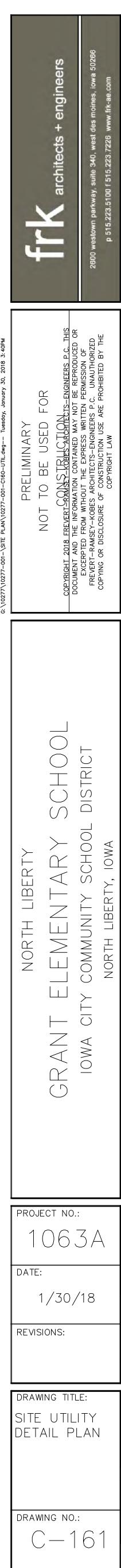


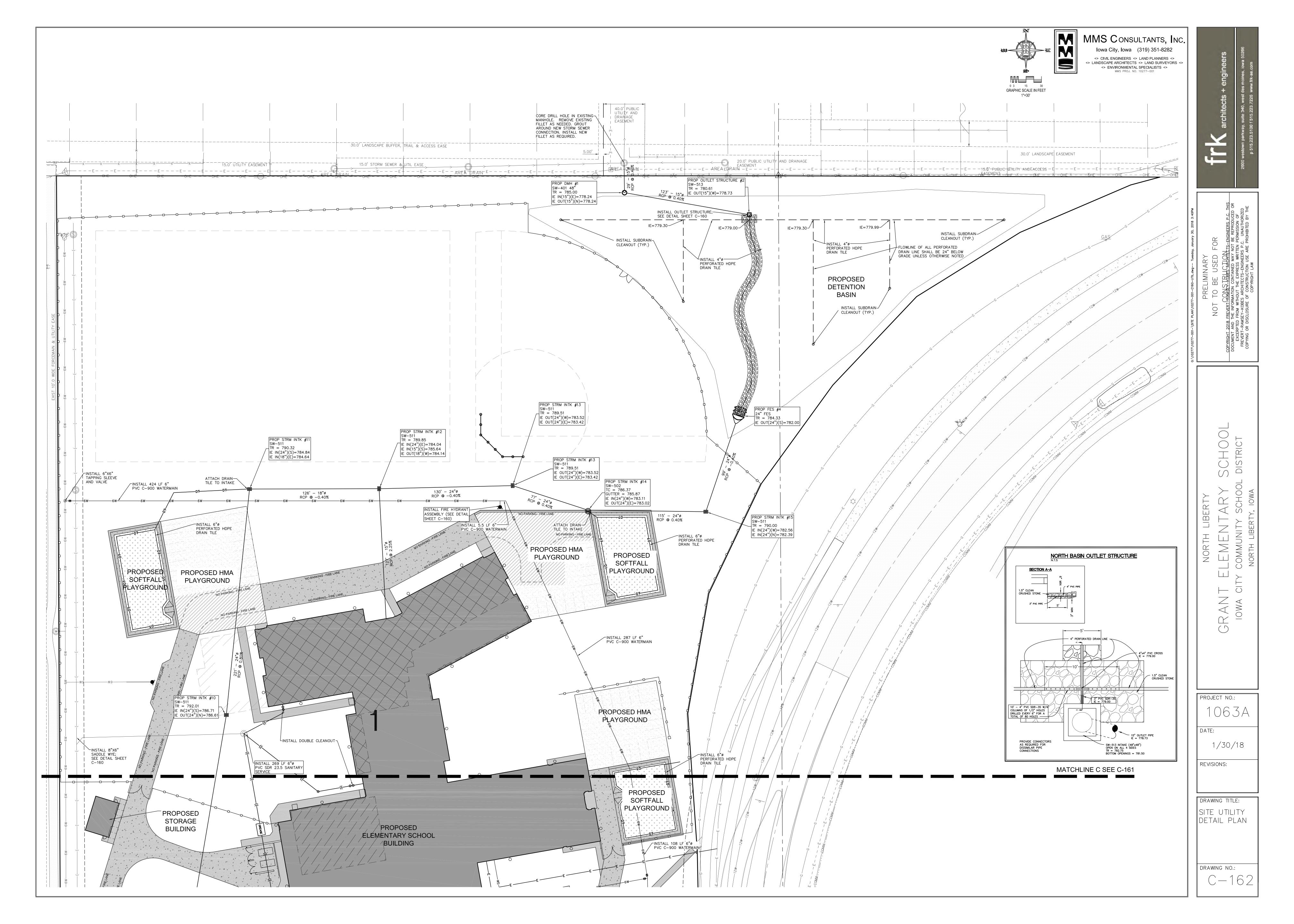


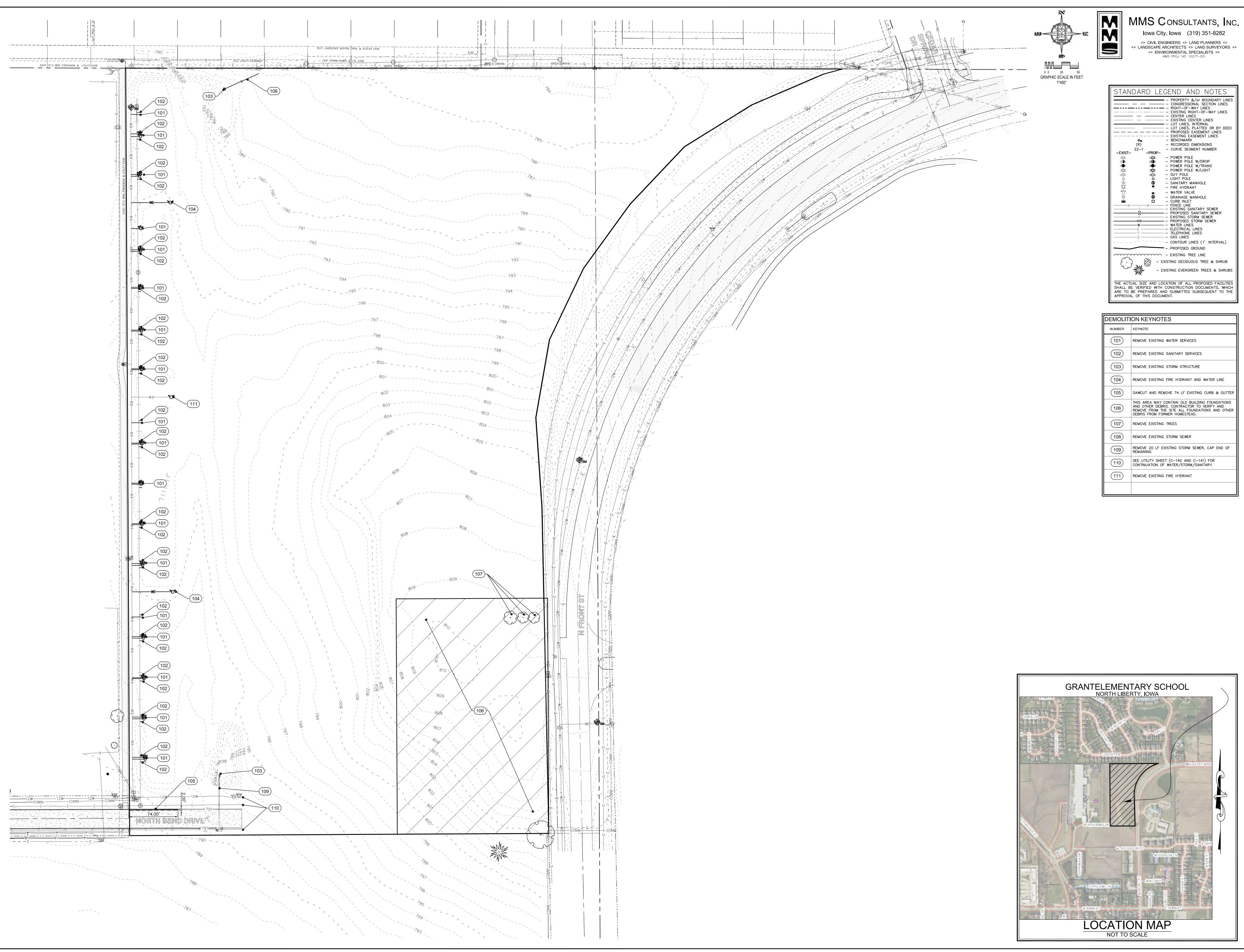




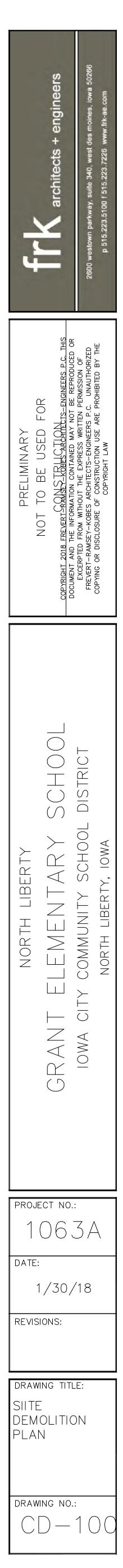


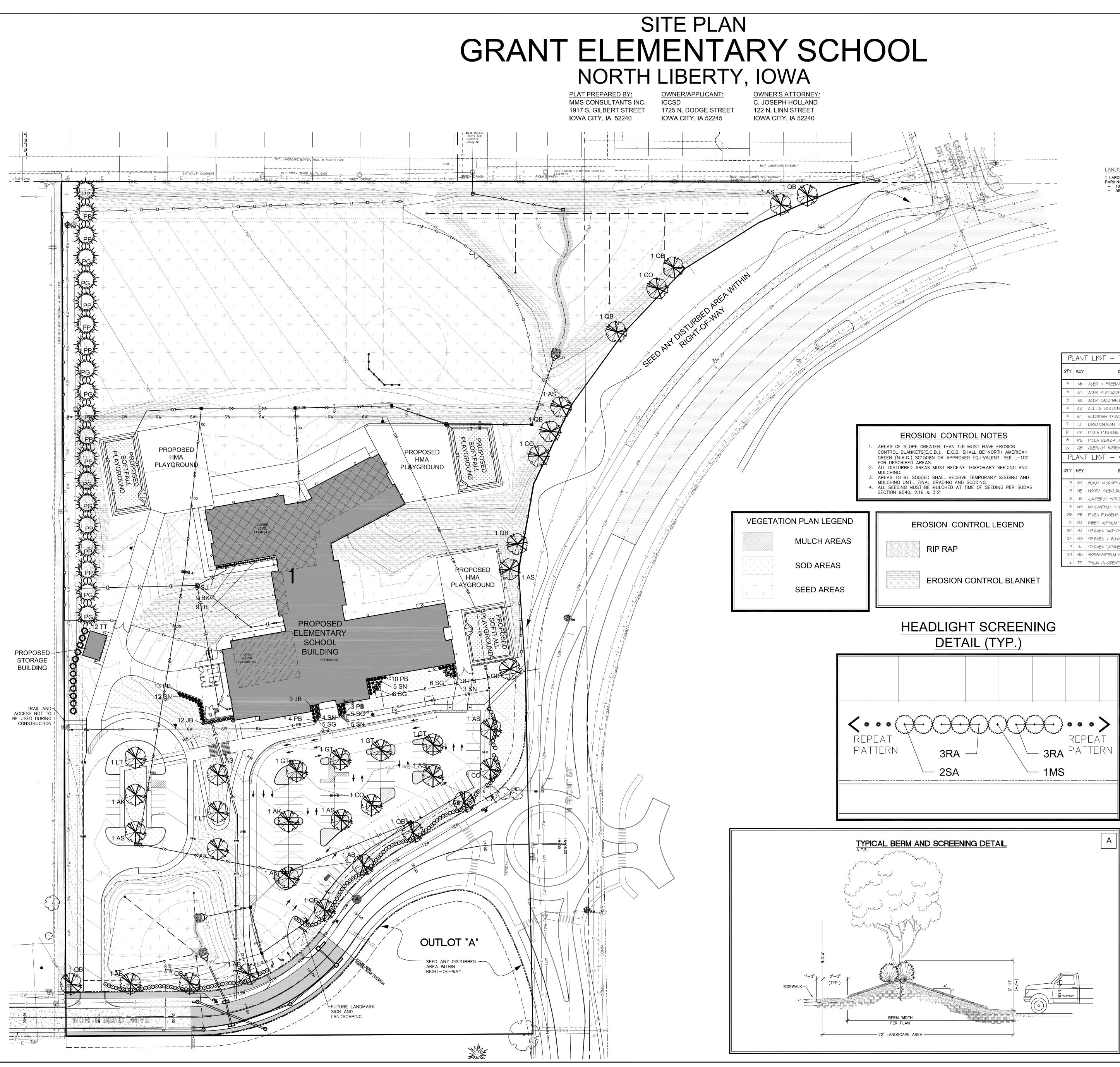


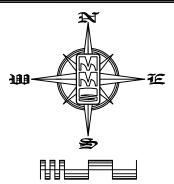




DEMOLITI	ON KEYNOTES
NUMBER	KEYNOTE
(101)	REMOVE EXISTING WATER SERVICES
(102)	REMOVE EXISTING SANITARY SERVICES
(103)	REMOVE EXISTING STORM STRUCTURE
104	REMOVE EXISTING FIRE HYDRANT AND WATER
105	SAWCUT AND REMOVE 74 LF EXISTING CURB
(106)	THIS AREA MAY CONTAIN OLD BUILDING FOU AND OTHER DEBRIS. CONTRACTOR TO VERIF' REMOVE FROM THE SITE ALL FOUNDATIONS DEBRIS FROM FORMER HOMESTEAD.
(107)	REMOVE EXISTING TREES
108	REMOVE EXISTING STORM SEWER
(109)	REMOVE 20 LF EXISTING STORM SEWER, CAP REMAINING
(110)	SEE UTILITY SHEET (C-140 AND C-141) FOR CONTINUATION OF WATER/STORM/SANITARY.
(111)	REMOVE EXISTING FIRE HYDRANT







0 5 25 50 GRAPHIC SCALE IN FEET

1"=50'



MMS CONSULTANTS, INC. lowa City, lowa (319) 351-8282 <> CIVIL ENGINEERS <> LAND PLANNERS <> LANDSCAPE ARCHITECTS <> LAND SURVEYORS <>
<> ENVIRONMENTAL SPECIALISTS <>

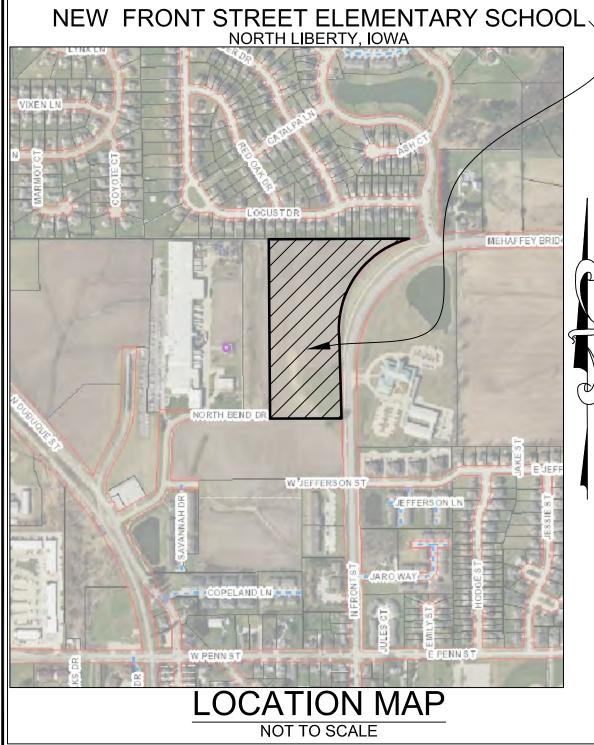
- PROPERTY &/or BOUNDARY LINES — — — — CONGRESSIONAL SECTION LINES - - - - - - - - - - - - RIGHT-OF-WAY LINES - - CENTER LINES - EXISTING CENTER LINES – LOT LINES, INTERNAL – LOT LINES, PLATTED OR BY DEED – – – – – – PROPOSED EASEMENT LINES - EXISTING EASEMENT LINES - BENCHMARK - RECORDED DIMENSIONS - CURVE SEGMENT NUMBER -PROP--EXIST - POWER POLE - POWER POLE W/DROP - POWER POLE W/TRANS - POWER POLE W/LIGHT - GUY POLE - LIGHT POLE - SANITARY MANHOLE – FIRE HYDRANT WATER VALVE - DRAINAGE MANHOLE - CURB INLET FENCE LINE
 EXISTING SANITARY SEWER - - PROPOSED SANITARY SEWER — – EXISTING STORM SEWER — – PROPOSED STORM SEWER — – GAS LINES - CONTOUR LINES (1 INTERVAL) - PROPOSED GROUND - EXISTING TREE LINE - EXISTING DECIDUOUS TREE & SHRUB - EXISTING EVERGREEN TREES & SHRUBS THE ACTUAL SIZE AND LOCATION OF ALL PROPOSED FACILITIES SHALL BE VERIFIED WITH CONSTRUCTION DOCUMENTS, WHICH ARE TO BE PREPARED AND SUBMITTED SUBSEQUENT TO THE

APPROVAL OF THIS DOCUMENT.

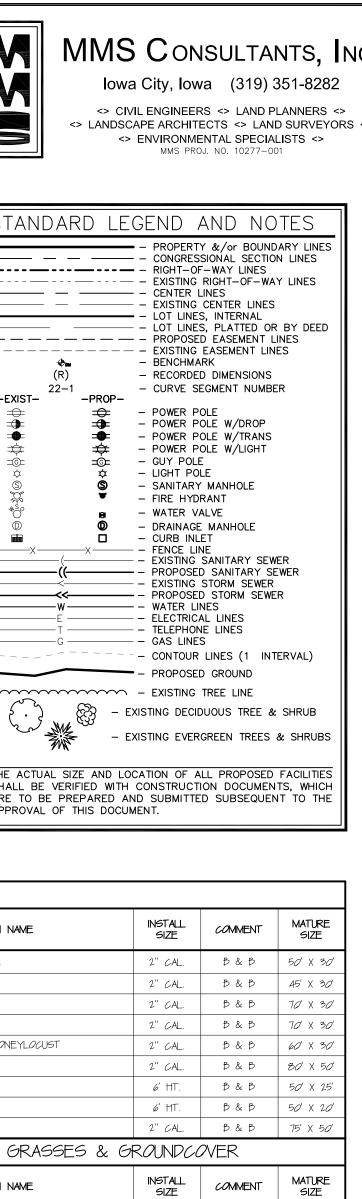
PL	_ANT	LIST - TREES				
QTY	KEY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	<i>CO</i> MMENT	
4	A₿	ACER x FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE	2" CAL.	₿&₿	
3	AK	ACER PLATNOIDES 'CRIMSON KING'	CRIMSON KING MAPLE	2" CAL.	B&B	
9	AS	ACER SACCHARUM	SUGAR MAPLE	2" CAL.	P & P	
4	00	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CAL.	P & P	
4	GT	GLEDITSIA TRIACANTHOS INTERMIS 'SUNBURST'	SUNBURST THARNLESS HANEYLOCUST	2" CAL.	B&B	
2	LT	LIRIØDENDRØN TULIPIFERA	TULIPTREE	2" CAL.	₿&₿	
2	PP	PICEA PUNGENS 'GLAUCA'	COLORADO BLUE SPRICE	6' HT.	₿&₿	
8	PG	PICEA GLAUCA DENSATA	BLACK HILLS SPRUCE	6' HT.	B&B	
10	QB	QUERCUS BOREALIS	NORTHERN RED OAK	2" CAL.	B&B	
PL	_ANT	- LIST - SHRUBS, PERENNIAL	S, ORNAMENTAL GRASSES & G	ROUNDCI	2VER	
QTY	KEY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	<i>CO</i> MMENT	
9	₿K	BUXUS MICROPHYLLA KOREANA 'GREENVELVET'	GREEN VELVET BOXWOOD	2" HT.	CONT.	
9	HE	HOSTA SIEBOLDIANA 'ELEGANS'	ELEGANS HOSTA	8" HT.	CONT.	
5	JB	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP JUNIPER	24" DIA.	CONT.	
5	MS	MISCANTHUS SINENSIS 'SILVERFEATHER'	SILVER FEATHER MISCANTHUS	24" HT.	CONT.	
38	ΡВ	PICEA PUNGENS 'GLAUCA GLOBOSA'	GLOBE BLUE SPRICE	15" HT.	CONT.	
3	RA	RIBES ALPINUM 'GREEN MOUND'	GREEN MOUND ALPINE CURRENT	2" HT	CONT.	
87	SA	SPIRAEA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	10" HT.	CONT.	
24	56	SPIRAEA x BUMALDA 'GOLDFLAME'	GOLDFLAME SPIREA	12" HT.	CONT.	
9	SJ	SPIRAEA 'JAPANESE WHITE'	JAPANESE WHITE SPIREA	12" HT.	CONT.	
29	SN	SORGHASTRUM NUTANS	INDIAN GRASS	12" HT.	CONT.	
2	TT	THUJA OCCIDENTALIS 'TECHNY'	TECHNY ARBORVITAE	5' HT.	B&B	Γ

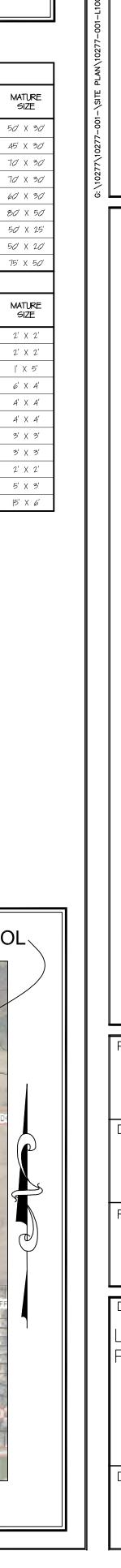
EROSION CONTROL NOTES
EAS OF SLOPE GREATER THAN 1:6 MUST HAVE EROSION NTROL BLANKETS(E.C.B.). E.C.B. SHALL BE NORTH AMERICAN EEN (N.A.G.) SC150BN OR APPROVED EQUIVALENT. SEE L–100 R DESCRIBED AREAS.
DISTURBED AREAS MUST RECEIVE TEMPORARY SEEDING AND LCHING.
EAS TO BE SODDED SHALL RECEIVE TEMPORARY SEEDING AND LCHING UNTIL FINAL GRADING AND SODDING. _ SEEDING MUST BE MULCHED AT TIME OF SEEDING PER SUDAS CTION 9040, 2.16 & 3.21

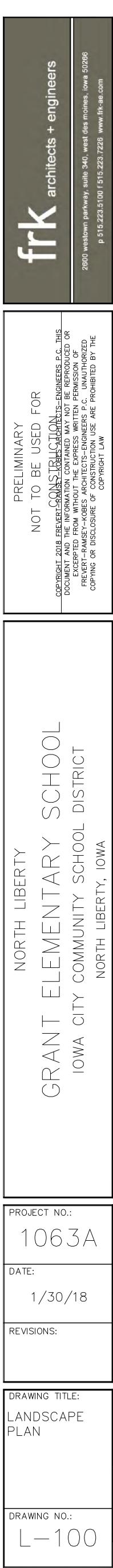
SUPPLE	EMENTARY LEGEND
	 WATER SHUT-OFF VALVE INCLUDED IN CITY OF NORTH LIBERTY UTILITY CONSTRUCTION PROJEC BY OTHERS
	 PROPOSED LIGHT POLES; REFER TO ELECTRICAL PLANS
HH	 PROPOSED ELECTRICAL HANDHOLE; REFER TO ELECTRICAL PLANS
CAB	 PROPOSED ELECTRICAL CABINET; REFER TO ELECTRICAL PLANS
	- PROPOSED SIGN
0	- PROPOSED SANITARY MANHOLE STRUCTURE
	- PROPOSED STORM SEWER STRUCTURES

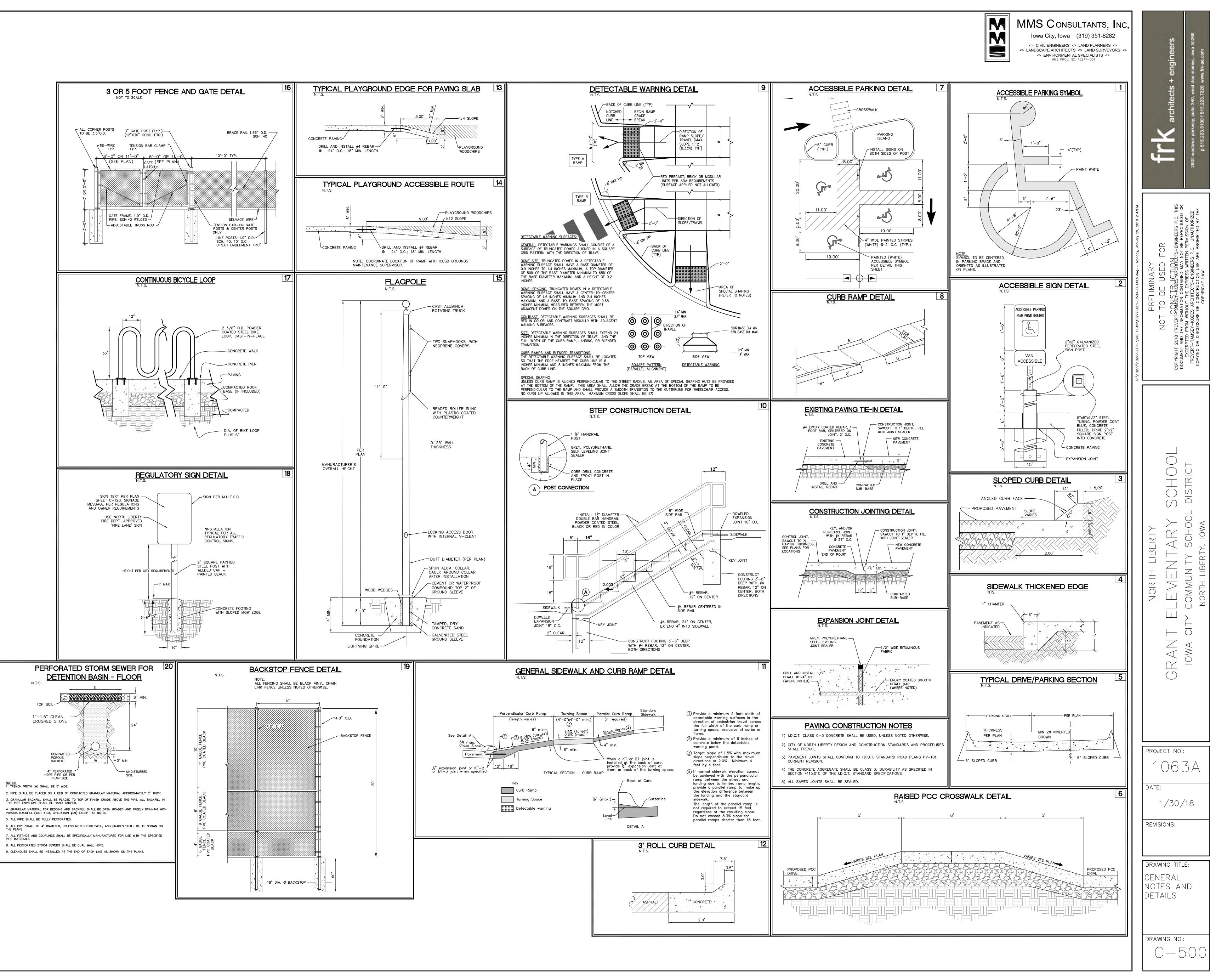


LANDSCAPE REQUIREMENTS: – 1 LARGE TREE WITHIN 40' OF EVERY PARKING SPACE. – 18 TREES REQUIRED – 56 TREES PROVIDED



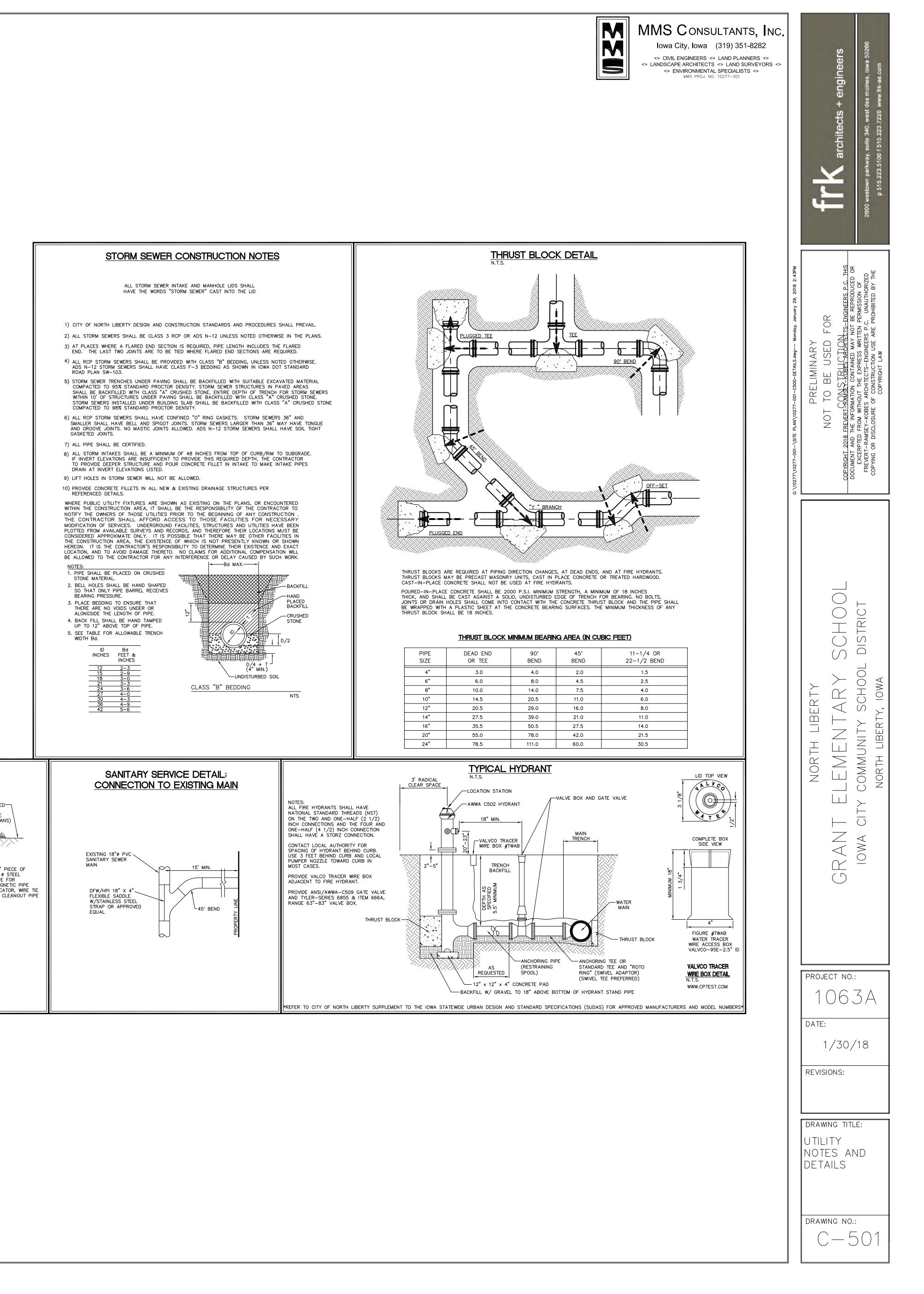






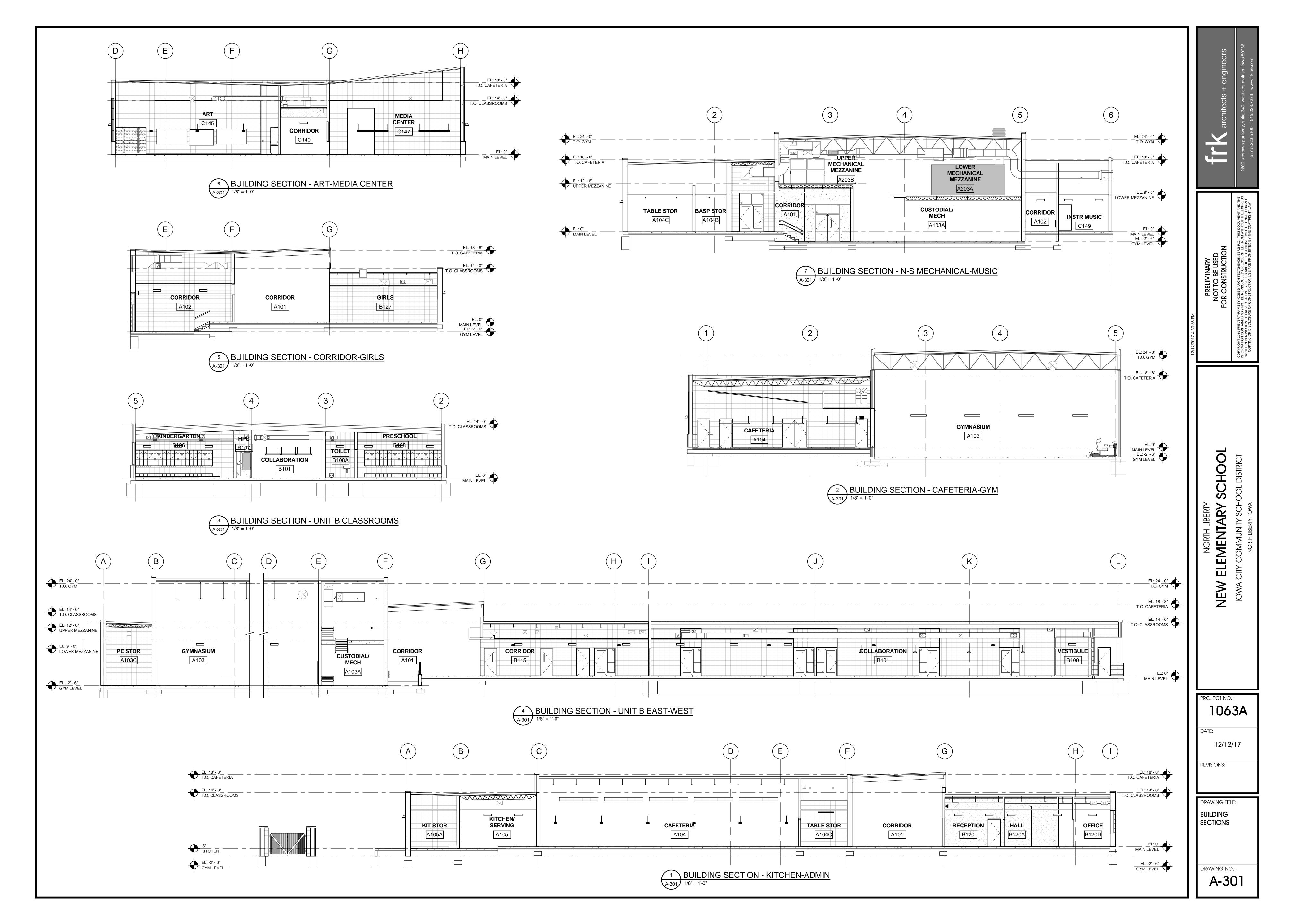


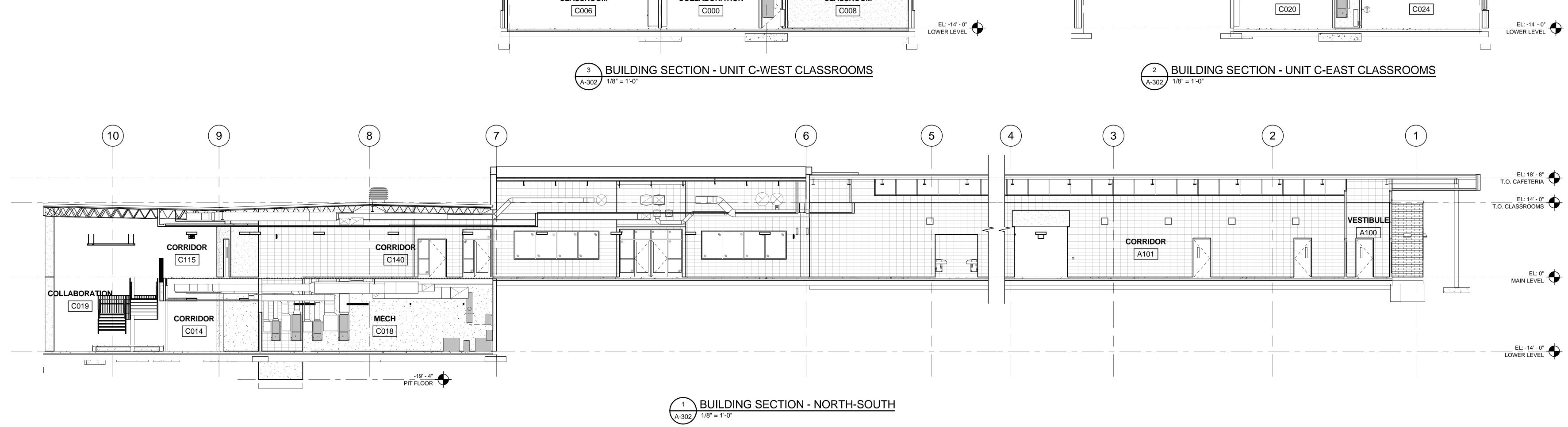


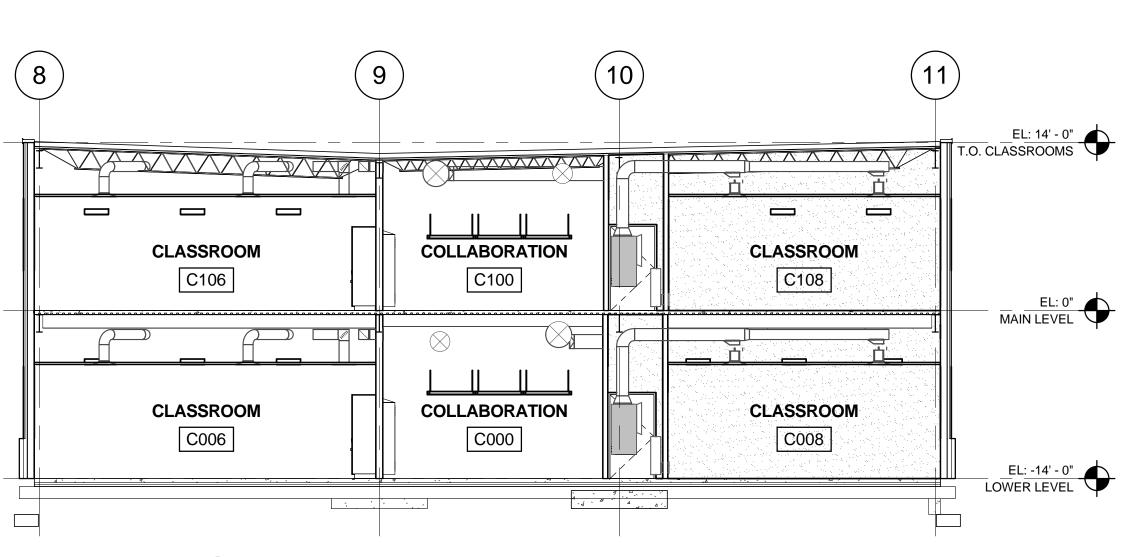


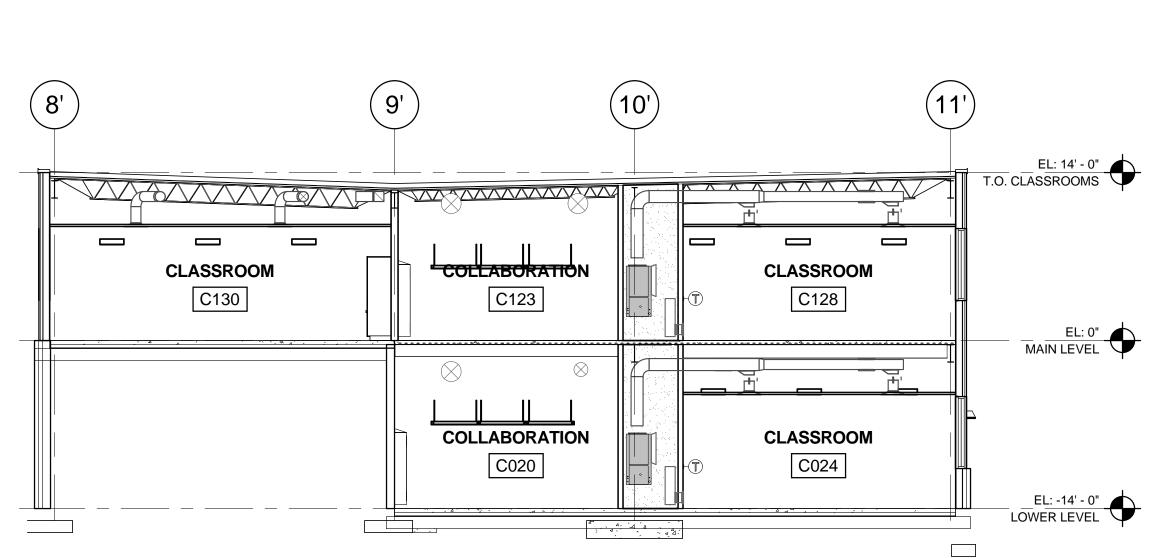
SUBDRAIN CLEANOUT DETAIL N.T.S.	SANITARY SERVIC CONNECTION TO EX
PROPOSED GROUND SURFACE (SEE PLANS) 6" HDPE SOIL TIGHT CAP 6" # HDPE SOIL TIGHT CAP 6" # HDPE SOIL TIGHT CAP 6" # HDPE TOR SOLID WALL PIPE 6" # HDPE DUAL FIPE 6" # HDPE DUAL FIPE FIRE FIRE FIRE FIRE FIRE FIRE FIRE FIR	EXISTING 18"¢ PVC SANITARY SEWER MAIN DFW/HPI 18" X 4" FLEXIBLE SADDLE W/STAINLESS STEEL STRAP OR APPROVED EQUAL

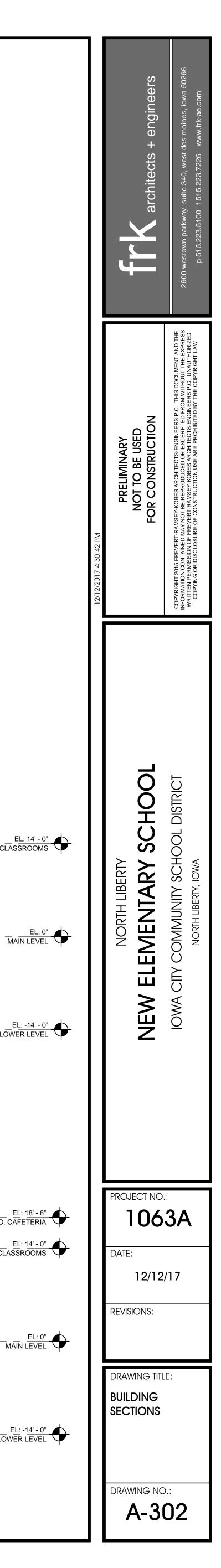


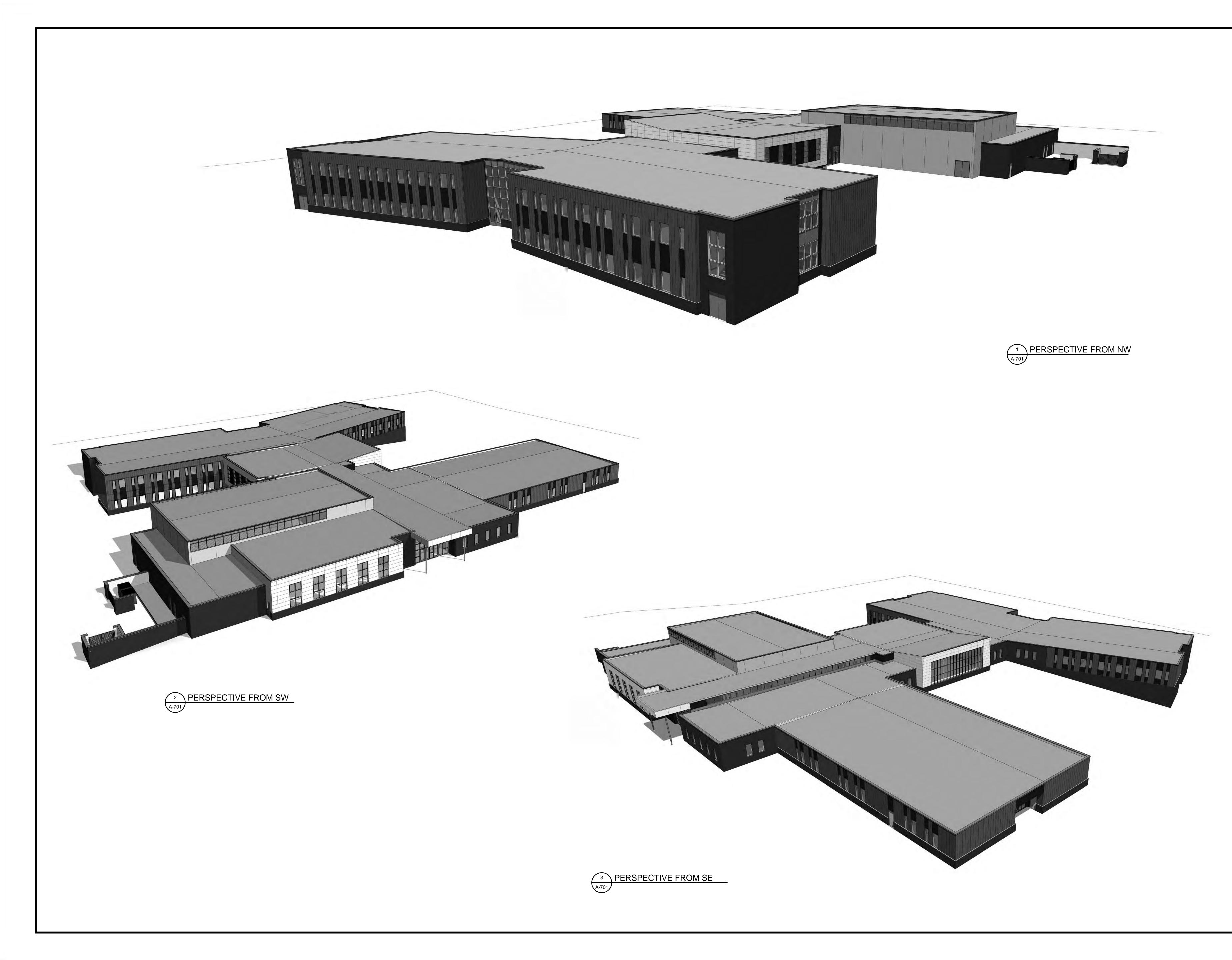


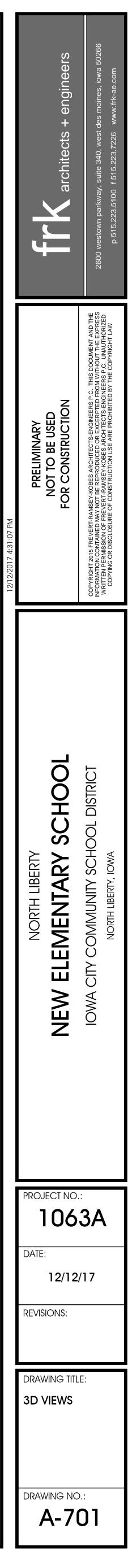


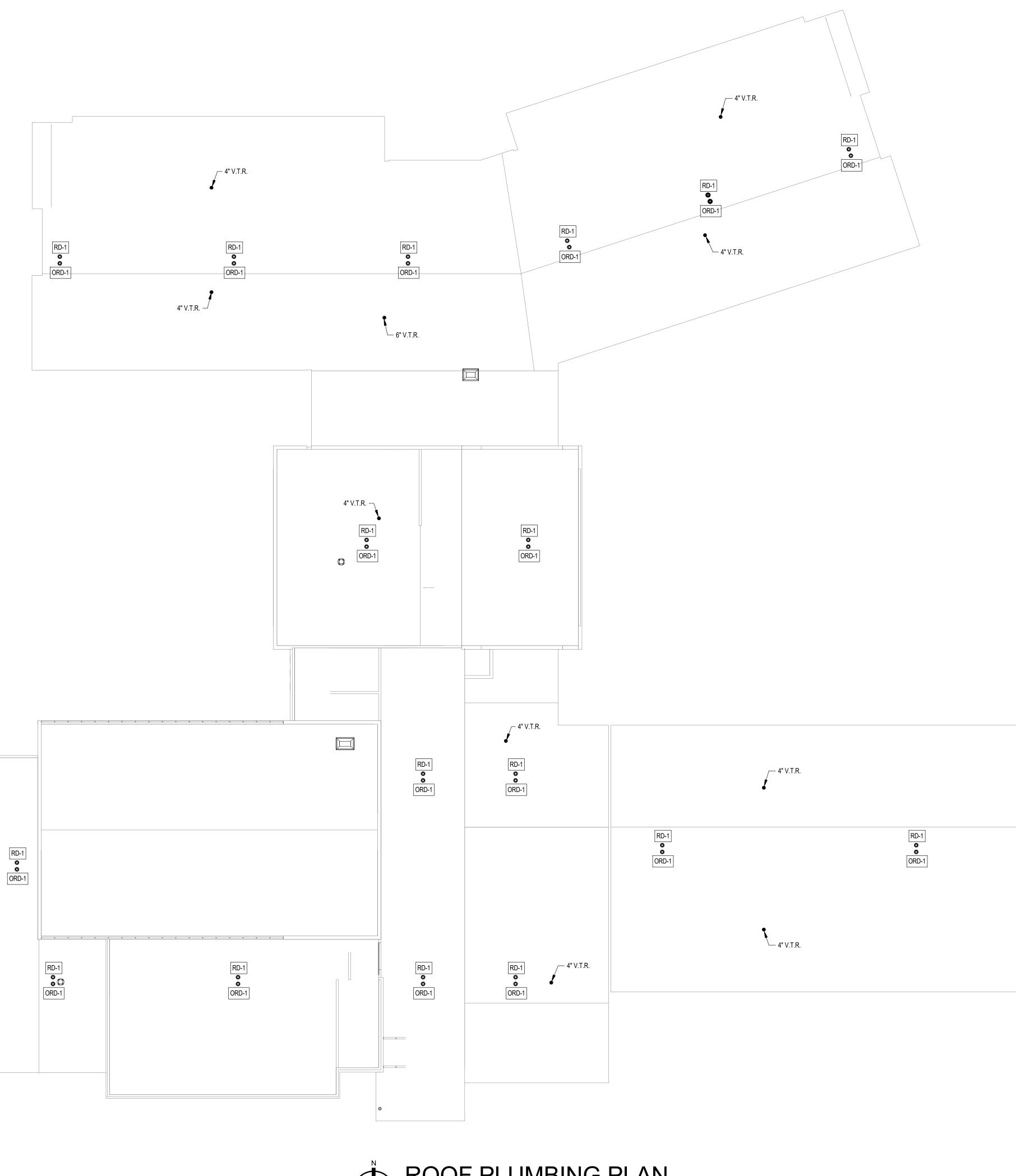






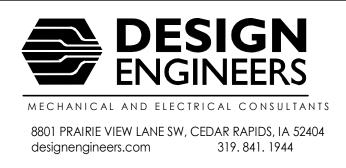




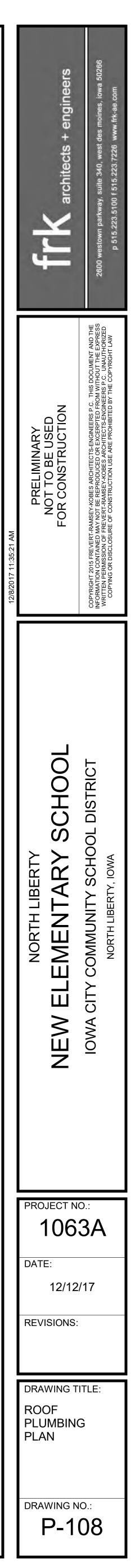


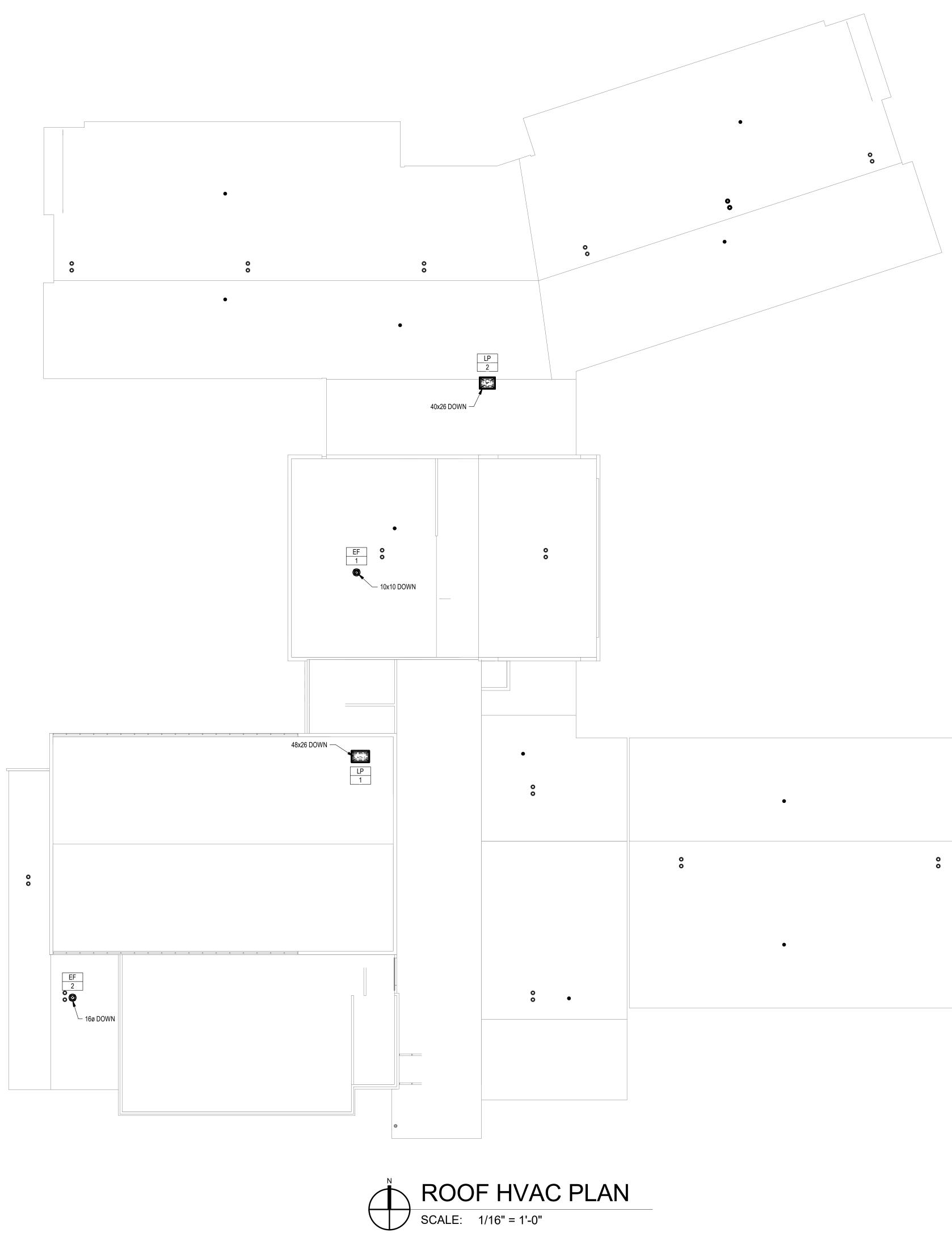
 Note
 ROOF PLUMBING PLAN

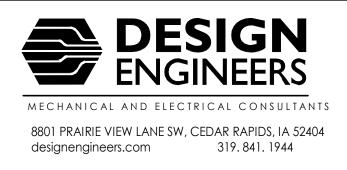
 SCALE:
 1/16" = 1'-0"



REFER TO SHEET P-510 FOR PLUMBING NOTES

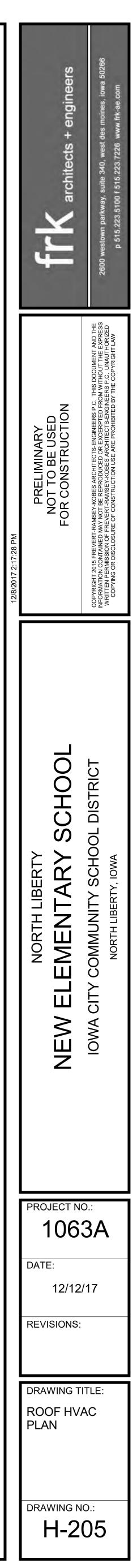


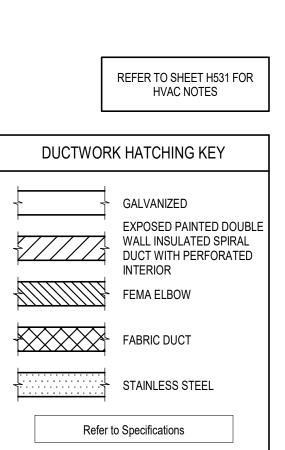


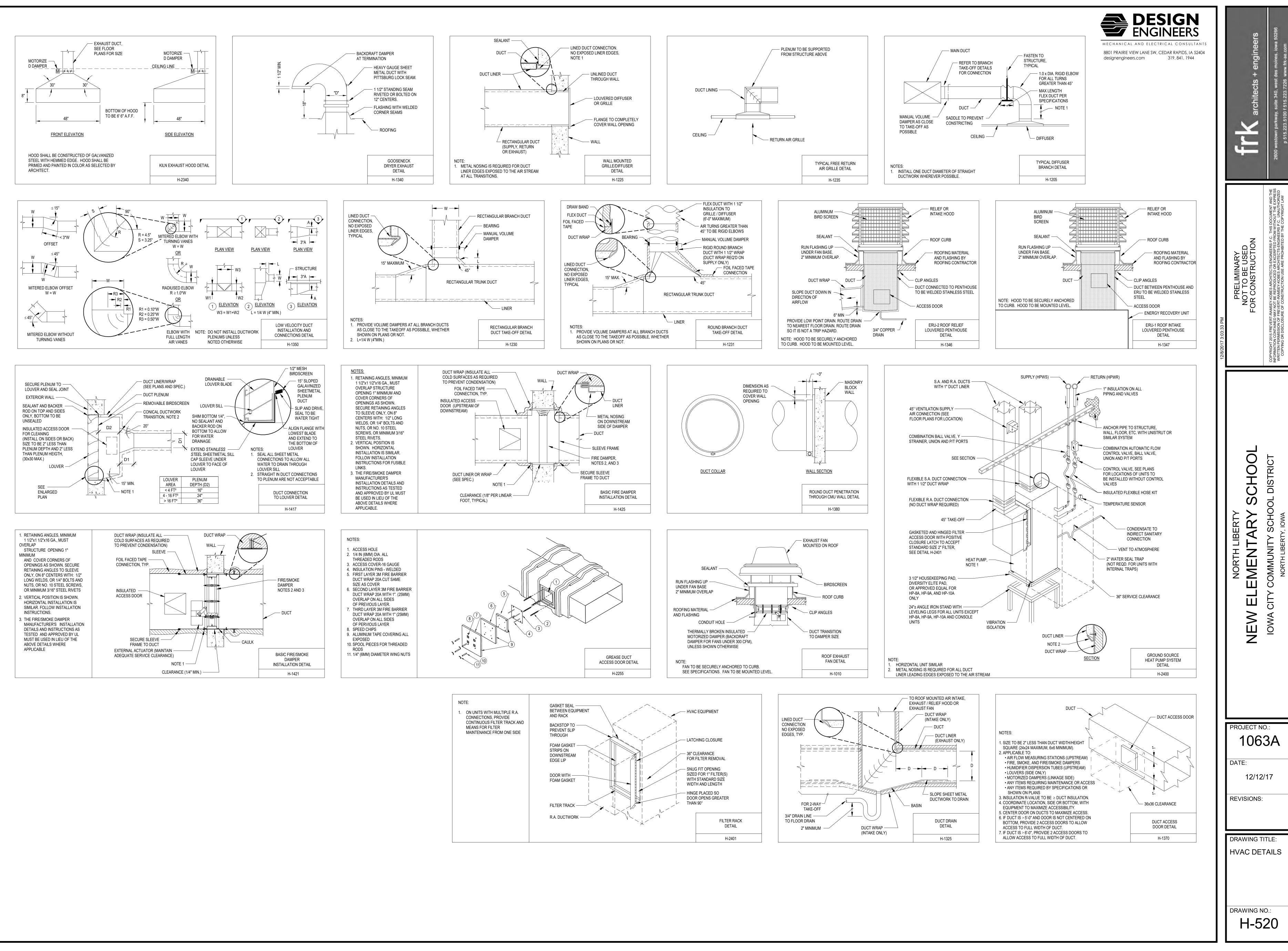


DUCTWORK HATCHING KEY _____ GALVANIZED _____

FEMA ELBOW FABRIC DUCT STAINLESS STEEL Refer to Specifications







4



13

14

15

16

17

18

5 6 7 8 9 10 11 12

25 RCHITECTS CEDAR RAPIDS DES MOINES MADISON OPN ARCHITECTS 200 5TH AVENUE SE SUITE 201 CEDAR RAPIDS, IA 52401 319-363-6018 PHONE 319-363-7349 FAX www.opnarchitects.com opn@opnarchitects.com All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by OPN Architects, Inc. as instruments of service shall remain the property of OPN Architects Inc. OPN Architects, Inc. shall retain all common law, statutory and other reserved rights, including the copyright thereto. © 2015 OPN Architects, Inc. Owner IOWA CITY COMMUNITY SCHOOL DISTRICT 1725 N. DODGE STREET IOWA CITY, IA 52245 Project HOOVER EAST ELEMENTARY BARRINGTON ROAD IOWA CITY, IA AREA E Consultants STRUCTURAL ENGINEER RAKER RHODES ENGINEERING, LLC 112 E WASHINGTON STREET, SUITE B IOWA CITY, IA 52240 P. 319.333.7850 MECHANICAL ENGINEER DESIGN ENGINEERS 8801 PRAIRIE VIEW LN, SW CEDAR RAPIDS, IA 52404 P. 319-841-1944 ELECTRICAL ENGINEER DESIGN ENGINEERS 8801 PRAIRIE VIEW LN, SW CEDAR RAPIDS, IA 52404 P. 319-841-1944 **CIVIL ENGINEER** MMS CONSULTANTS 1917 SOUTH GILBERT ST IOWA CITY, IA 52240 P. 319-351-8282 LANDSCAPE MMS CONSULTANTS 1917 SOUTH GILBERT ST IOWA CITY, IA 52240 P. 319-351-8282 KITCHEN CONSULTANT MICHAEL BRADNAN & ASSOCIATES 5750 COUNTRY LANE CEDAR RAPIDS, IA 52411 P. 319-395-0395 Previous Issue Dates _____ _____ _____ _____ Revision Date _____ _____ _____ Drawing ELECTRICAL SITE PLAN -CALCS OPN Project No1063A E-301

24

23

Cree Edge[™] Series

LED Area/Flood Luminaire

Product Description

The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

25' Mounting Height for LSA, LSB, LSD

15' Mounting Height for LSC

Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty⁺: 10 years on luminaire/10 years on Colorfast DeltaGuard[®] finish

*See http://lighting.cree.com/warranty for warranty terms

Accessories

Field-Installed

Bird Spikes

XA-BRDSP

Hand-Held Remote XA-SENSREM

Ordering Information

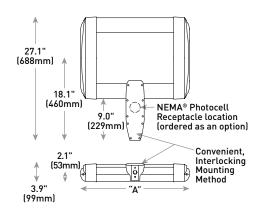
Example: ARE-EDG-2M-AA-12-E-UL-SV-350

- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Backlight Control Shields XA-20BLS-4 - Four-pack

- Unpainted stainless steel

DA Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Е LED Color Drive Product Mounting^{*} Optic Count Series Voltage Options Options Current (x10) DIM 0-10V Dimming PML Programmable Multi-Level, ARE-4MP 02 UL 350 2M 3MB Е BK AA Type II Type IV Medium EDG Type III Adjustable Universal Black 350mA Control by others 20-40' Mounting Height 04 120-277V Medium Medium Arm ΒZ 525 Refer to Dimming spec sheet - Refer to PML spec sheet for 06 w/BLS w/Partial details 2MB DA for details UH 525mA Bronze 08 - Intended for downlight Type II ЗМР BLS Direct Arm Universal s٧ 700 - Can't exceed specified drive 10 applications at 0° tilt current Type III 5M Medium וח 347-480V Silver 700mA 12 w/BLS Medium Type V PML2 Programmable Multi-Level, F Fuse wн - Available Direct Long 14 10-30' Mounting Height - Refer to ML spec sheet for 2MP w/Partial Medium with 20-Arm White BLS 16 availability with ML options Refer to PML spec sheet for Type II Medium **5**S 60 LEDs Available with UL voltage only details 4M Type V - Available for U.S. applications - Intended for downlight Type IV Medium w/Partial Short only - When code dictates fusing, BLS applications at 0° tilt NEMA[®] Photocell Receptacle 3M 4MB use time delay fuse Hi/Low (Dual Circuit Input) Intended for downlight Type III Medium Type IV Medium HL applications with maximum Refer to HL spec sheet for 45° tilt w/BLS Photocell by others
Refer to <u>ML spec sheet</u> for details Sensor not included FLD-EDG 70 N6 AA ML Multi-Level availability with ML options 25° Flood 70° Flood NEMA[®] Adjustable 40K 4000K Color Temperature Refer to <u>ML spec sheet</u> for Arm 40 SN Minimum 70 CRI details 40° Flood Sign SA - Intended for downlight Color temperature per Side Arm applications at 0° tilt luminaire - Available Photocell with 20-60 Refer to <u>ML spec sheet</u> for availability with ML options LEDs - Available with UL voltage only

* Reference EPA and pole configuration suitability data beginning on page 19 NOTE: Price adder may apply depending on configuration

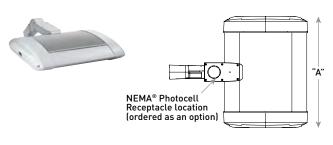


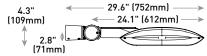
Rev. Date: V6 12/07/2017



Cree Edge™ LED Area/Flood Luminaire

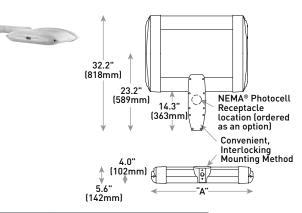
AA Mount





LED Count (x10)	Dim. "A"	Weight		
02	12.1" (306mm)	21 lbs. (10kg)		
04	12.1" (306mm)	24 lbs. (11kg)		
06	14.1" (357mm)	27 lbs. (12kg)		
08	16.1" (408mm)	28 lbs. (13kg)		
10	18.1" (459mm)	32 lbs. (15kg)		
12	20.1" (510mm)	34 lbs. (15kg)		
14	22.1" (560mm)	37 lbs. (17kg)		
16	24.1" (611mm)	41 lbs. (19kg)		

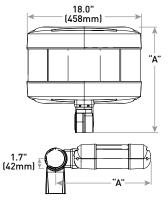
DL Mount



LED Count (x10)	Dim. "A"	Weight				
02	12.1" (306mm)	23 lbs. (10kg)				
04	12.1" (306mm)	26 lbs. (12kg)				
06	14.1" (357mm)	29 lbs. (13kg)				
08	16.1" (408mm)	30 lbs. (14kg)				
10	18.1" (459mm)	34 lbs. (15kg)				
12	20.1" (510mm)	36 lbs. (16kg)				
14	22.1" (560mm)	42 lbs. (19kg)				
16	24.1" (611mm)	44 lbs. (20kg)				

SA Mount





LED Count (x10)	Dim. "A"	Weight		
02	16.0" (406mm)	25 lbs. (11kg)		
04	18.0" (457mm)	26 lbs. (12kg)		
06	20.0" (508mm)	28 lbs. (13kg)		

© 2017 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content is subject to change. Patent www.cree.com/patents. Cree®, NanoOptic®, and Colorfast DeltaGuard® are registered trademarks, and Cree Edge™ and the Cree logo are trademarks of Cree, Inc. The UL logo is a registered trademark of UL LLC. NEMA® is a registered trademark of the National Electrical Manufacturers Association. The DLC QPL logo is a registered trademark of Northeast Energy Efficiency Partnerships, Inc.



Cree Edge[™] Series

LED Security Wall Pack Luminaire

Product Description

The Cree Edge™ wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.

Applications: General area and security lighting

Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty⁺: 10 years on luminaire/10 years on Colorfast DeltaGuard[®] finish

*See http://lighting.cree.com/warranty for warranty terms

Accessories

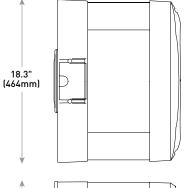
Field-Installed

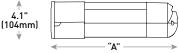
Bird Spikes XA-BRDSPK

Hand-Held Remote

XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required







LED Count (x10)	Dim. "A"	Weight		
02	9.9" (251mm)	20 lbs. (9.1kg)		
04	11.9" (303mm)	22 lbs. (10.0kg)		
06	13.9" (353mm)	25 lbs. (11.3kg)		
08	15.9" (404mm)	27 lbs. (12.2kg)		
10	17.9" (455mm)	31 lbs. (14.1kg)		
12	19.9" (505mm)	32 lbs. (14.5kg)		

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

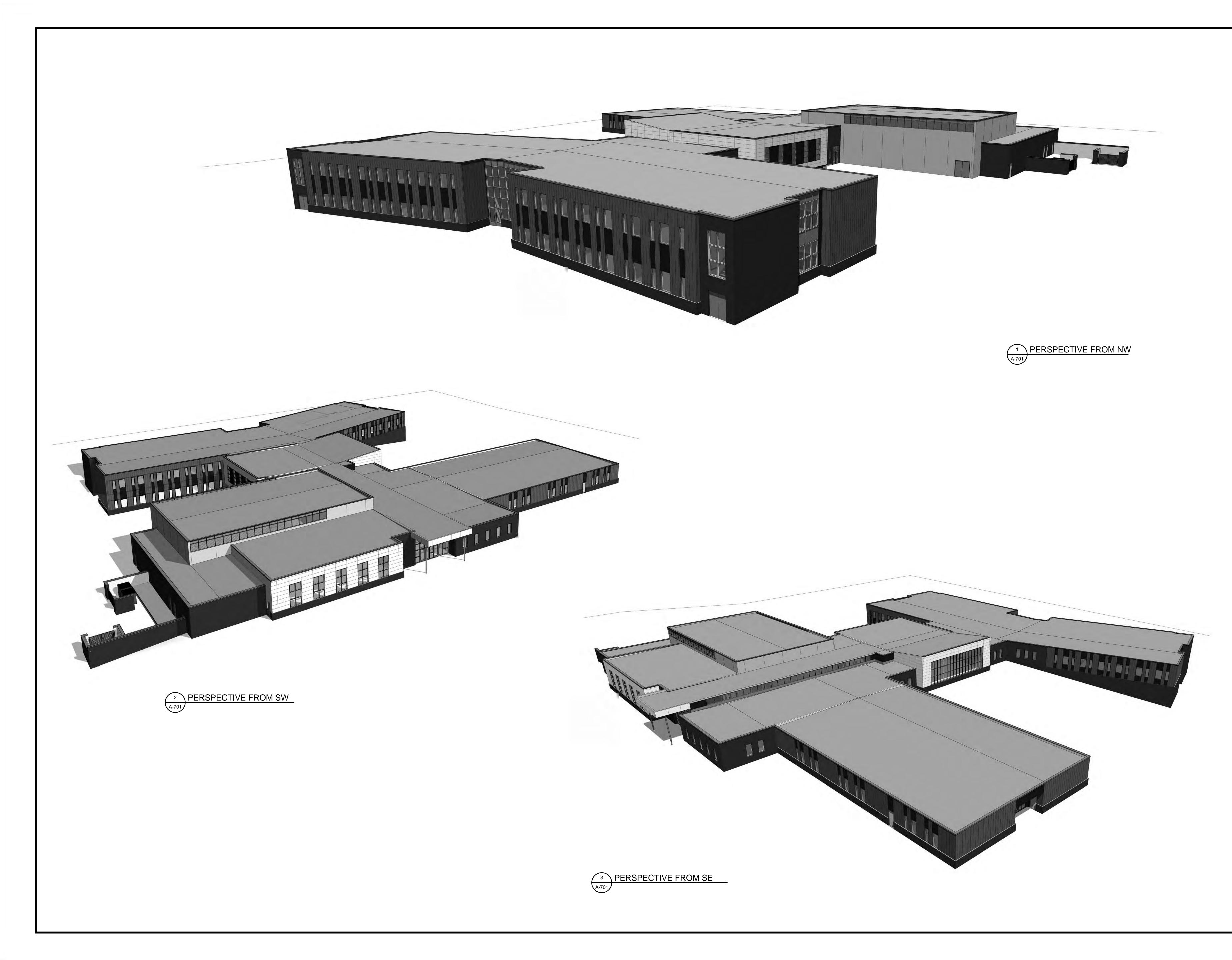
SEC-EDG		WM		E						
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options		
SEC-EDG	2M Type II Medium 2MB Type II Medium w/BLS 2S Type II Short 2SB Type II Medium 3MB Type III Medium w/BLS 4M Type IV Medium 4MB Type IV Medium w/BLS	WM Wall Mount	02 04 08 10 12	E	UL Universal 120-277V UH Universal 347-480V 34 347347V	BK Black Bronze SV Silver WH White	350 350mA 525 525mA -Available with 20-80 LEDs 700 700mA -Available with 20-60 LEDs	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - Available for U.S. applications only - When code dictates fusing, use time delay fuse ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications with 0° tilt P Photocell - Refer to ML spec sheet for availability with ML options - Must specify UL or 34 voltage PML Potocell - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt 400K Color Temperature - Minimum 70 CRI - Color temperature per luminaire		

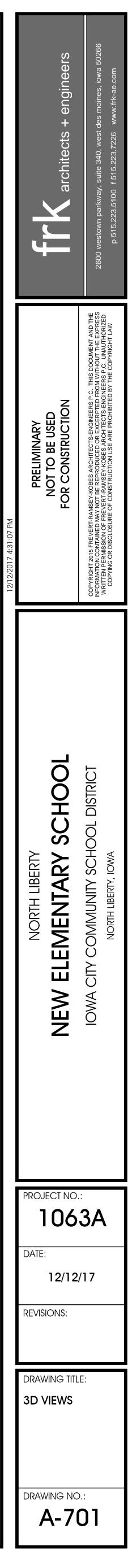


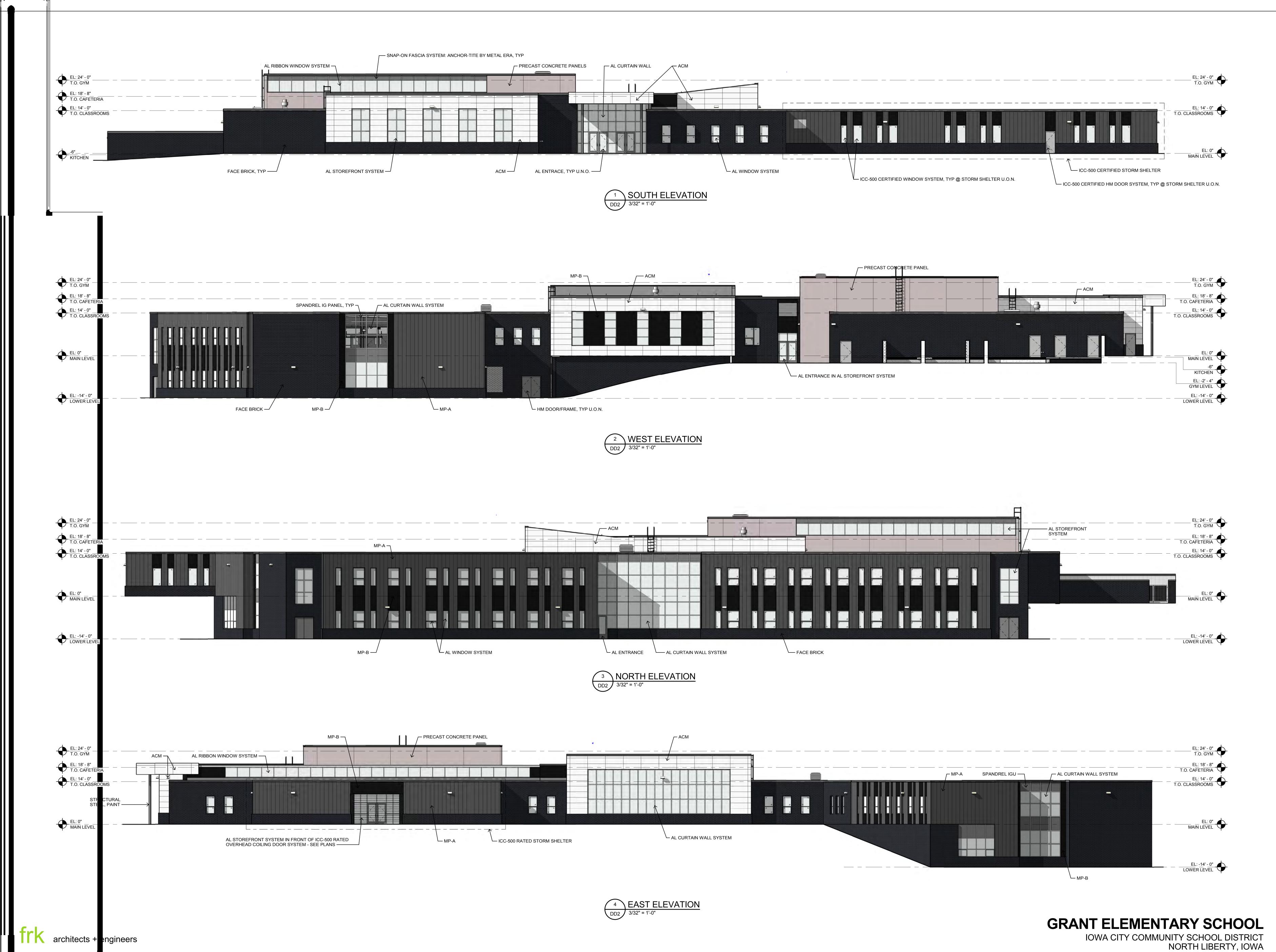
Rev. Date: V3 09/06/2017

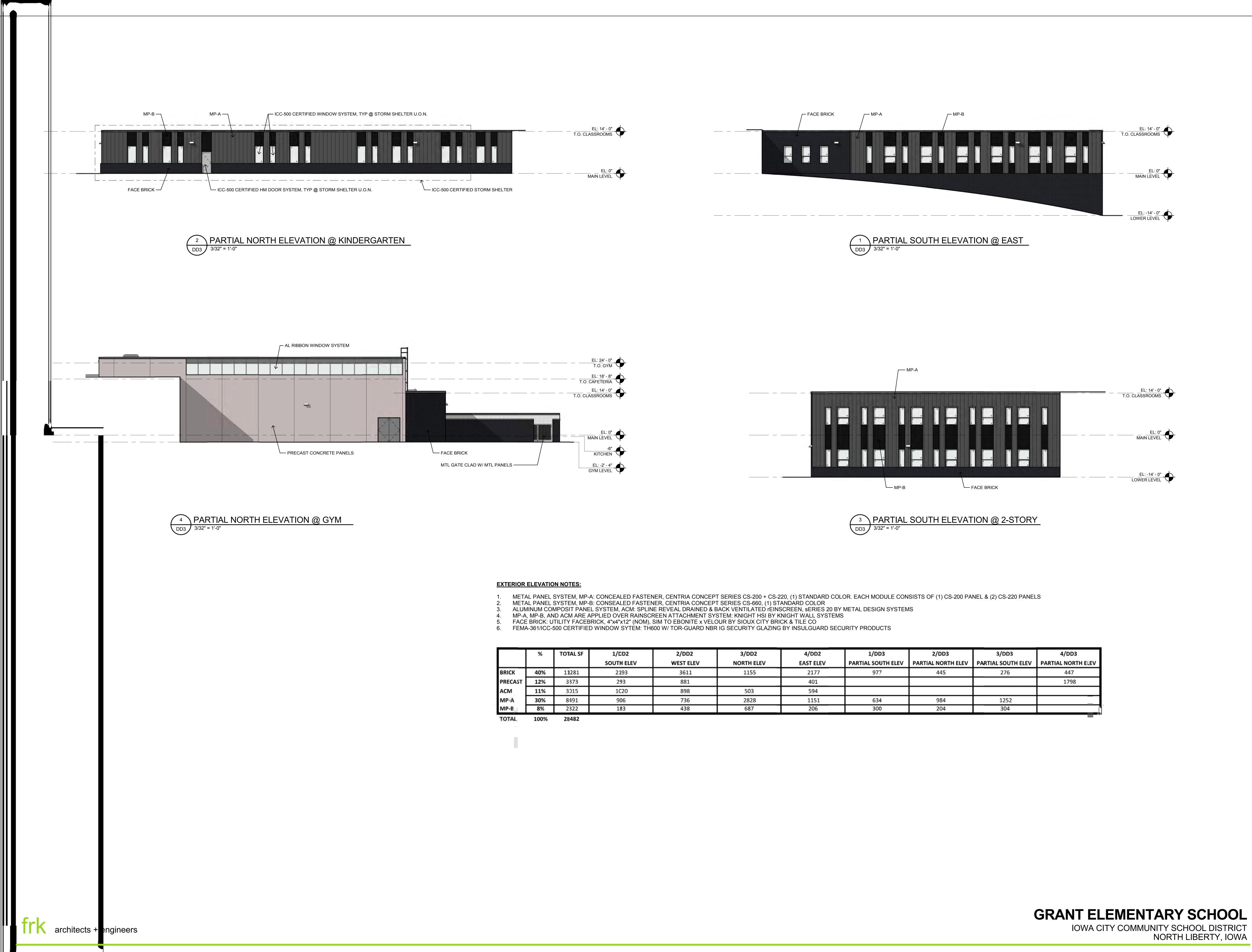


Canada: www.cree.com/canada









	%	TOTAL SF	1/CD2	2/DD2	3/DD2	4/DD2	1/DD3	2/DD3	3/DD3	4/DD3
			SOUTH ELEV	WEST ELEV	NORTH ELEV	EAST ELEV	PARTIAL SOUTH ELEV	PARTIAL NORTH ELEV	PARTIAL SOUTH ELEV	PARTIAL NORTH ELEV
BRICK	40%	11281	2193	3611	1155	2177	97?	445	276	447
PRECAST	12%	3373	293	881		401				1798
ACM	11%	3015	1C20	898	503	594				
MP-A	30%	8491	906	736	2828	1151	634	984	1252	
MP-B	8%	2322	183	438	687	206	300	204	304	
TOTAL	100%	28482								

Resolution No. 2018-12

RESOLUTION APPROVING THE DEVELOPMENT SITE PLAN FOR LOT 1, GRANT ELEMENTARY SCHOOL SUBDIVISION, NORTH LIBERTY, IOWA

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

WHEREAS, the owner and developer, Iowa City Community School District, has filed with the City Clerk a development site plan;

WHEREAS, the property is legally described as: Lot 1, Grant Elementary School Subdivision, North Liberty, Johnson County, Iowa

WHEREAS, said site plan is found to conform with the Comprehensive Plan and the Zoning Ordinance of the City of North Liberty; and

WHEREAS, said site plan has been examined by the North Liberty Planning and Zoning Commission, which recommended that the site plan be approved.

NOW, THEREFORE, BE IT RESOLVED that the City Council of North Liberty, Iowa, does hereby approve the development site plan for Lot 1, Grant Elementary School Subdivision.

APPROVED AND ADOPTED this 13th day of February, 2018.

CITY OF NORTH LIBERTY:

TERRY L. DONAHUE, MAYOR

ATTEST:

I, Tracey Mulcahey, City Clerk of the City of North Liberty, hereby certify that at a meeting of the City Council of said City, held on the above date, among other proceedings, the above was adopted.

TRACEY MULCAHEY, CITY CLERK



LOCATION:	SUBDIVIDER:
A PORTION OF AUDITOR'S PARCEL 2015006, IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER, AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER ALL	HODGE CONSTRUCTION CO. 711 S. GILBERT STREET IOWA CITY, IA 52240
OF SECTION 23, TOWNSHIP 80 NORTH, RANGE	SUBDIVIDER'S ATTORNEY:
7 WEST, OF THE FIFTH PRINCIPAL MERIDIAN, NORTH LIBERTY, JOHNSON COUNTY, IOWA	TIMOTHY J. KRUMM 122 S. LINN STREET IOWA CITY, IA 52240
LAND SURVEYOR:	PROPRIETOR OR OWNER:
GLEN D. MEISNER P.L.S MMS CONSULTANTS INC. 1917 SOUTH GILBERT STREET IOWA CITY, IOWA, 52240	HODGE CONSTRUCTION CO. 711 S. GILBERT STREET IOWA CITY, IA 52240
PHONE: 319-351-8282	DOCUMENT RETURN INFORMATION:
DATE OF SURVEY:	LAND SURVEYOR
10-16-2016	

FOR COUNTY RECORDER'S USE

FINAL PLAT **MICKELSON FIRST ADDITION** NORTH LIBERTY, JOHNSON COUNTY, IOWA

1"=100'

IONES

BOUL

Ŋ

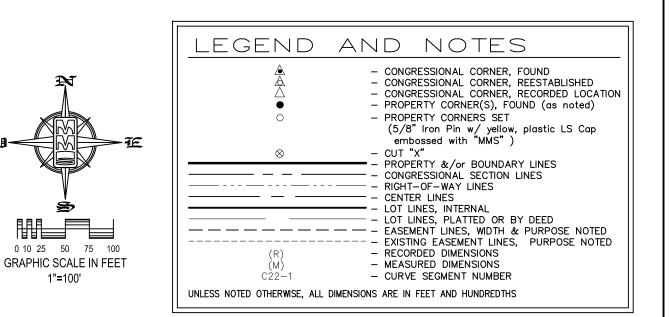
VARD

ONES

BOUL

EVARD

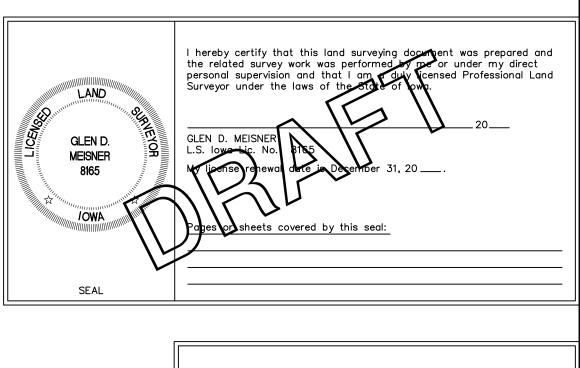




DESCRIPTION - MICKELSON FIRST ADDITION

I CERTIFY THAT DURING THE MONTH OF NOVEMBER, 2017, AT THE DIRECTION OF HODGE CONSTRUCTION CO., A SURVEY WAS MADE UNDER MY SUPERVISION OF A PORTION OF AUDITOR'S PARCEL 2015006, IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER, AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER ALL OF SECTION 23, TOWNSHIP 80 NORTH, RANGE 7 WEST, OF THE FIFTH PRINCIPAL MERIDIAN, NORTH LIBERTY, JOHNSON COUNTY, IOWA, DESCRIBED AS FOLLOWS:

Beginning at the Northeast Corner of Auditor's Parcel 2015006, in the Northeast Quarter of the Northeast Quarter, and the Southeast Quarter of the Northeast Quarter all of Section 23, Township 80 North, Range 7 West, of the Fifth Principal Meridian, North Liberty, Iowa, in accordance with the Plat thereof Recorded in Plat Book 59 at Page 143 of the Records of the Johnson County Recorders' Office; Thence S00°46'17"E, along the East line of said Auditor's Parcel 2015006, a distance of 604.37 feet; Thence S89'16'29"W, along said East Line, 247.71 feet; Thence S00'46'17"E, along said East Line, 139.83 feet; Thence S89°13'43"W, 320.49 feet, to a Point on the West Line of said Auditor's Parcel 2015006; Thence N00°46'17"W, along said West Line, 74.08 feet; Thence S89°16'29"W, along said West Line, 43.50 feet; Thence N00°46'17"W, along said West Line, 669.87 feet, to the Northwest Corner thereof; Thence N89'13'43"E, along the North Line of said Auditor's Parcel 2015006, a distance of 611.70 feet, to the Point of Beginning. Said Mickelson First Addition contains 9.58 Acres, and is subject to easements and restrictions of record.



Signed before me this _ day of Notary Public, in and for the State of Iowa.

PLAT/PLAN APPROVED BY: CITY OF NORTH LIBERTY	
CITY CLERK	DATE:
UTILITY EASEMENTS APPROVED BY:	
MIDAMERICAN ENERGY	DATE:
MEDIACOM	DATE:
LINN COUNTY R.E.C.	DATE:
SOUTH SLOPE COOPERATIVE TELEPHONE CO.	DATE:



9.58 AC

LAND PLANNERS LAND SURVEYORS LANDSCAPE ARCHITECTS **ENVIRONMENTAL SPECIALISTS** 1917 S. GILBERT ST. IOWA CITY, IOWA 52240

(319) 351-8282 www.mmsconsultants.net

Revision Date

12-01-2017 PER GDM\PVA REVIEW - RLW



MICKELSON **FIRST ADDITION**

A PORTION OF AUDITOR'S PARCEL 2015006, IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER, AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER ALL OF SECTION 23, TOWNSHIP 80 NORTH, RANGE 7 WEST, OF THE FIFTH PRINCIPAL MERIDIAN

NORTH LIBERTY JOHNSON COUNTY IOWA

MMS CONSULTANTS, INC.

Date:	05-16-2017
Designed by: PVA	Field Book No: 1095
PVA	1095
Drawn by:	Scale:
RLW	1"=100'
Checked by:	Sheet No:
ິ GDM	
Project No:	
IOWA CITY	
1000 010	
1296-218	<i>o</i> f: 1

Resolution No. 2018-13

RESOLUTION APPROVING THE FINAL PLAT AND ACCEPTING IMPROVEMENTS FOR MICKELSON FIRST ADDITION, NORTH LIBERTY, IOWA

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

WHEREAS, the owner, Hodge Construction Co. has filed with the City Clerk a final plat for the property described in Exhibit A, which is attached hereto and made a part hereof;

WHEREAS, said real estate is owned by the above-named parties and the subdivision is being made with the free consent and in accordance with the desires of the owners;

WHEREAS, said final plat is found to conform with Chapter 354 of the Code of Iowa and ordinances of the City of North Liberty;

WHEREAS, the requirements for property improvements, except for sidewalks, have been installed in accordance with the design standards and Municipal Code requirements of the City of North Liberty.

NOW, THEREFORE, BE IT RESOLVED that the final plat of Mickelson First Addition, as shown on the final plat, and that Property Improvements, except for sidewalks, are hereby approved and accepted.

BE IT FURTHER RESOLVED that all parcels shown on said plat to be dedicated to the City of North Liberty are hereby accepted.

APPROVED AND ADOPTED this 13th day of February, 2018.

CITY OF NORTH LIBERTY:

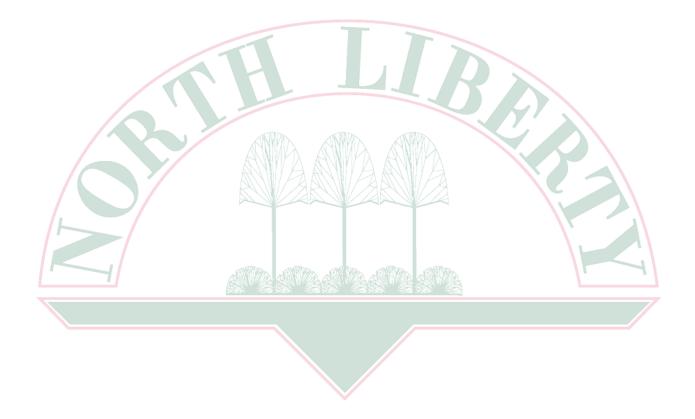
TERRY L. DONAHUE, MAYOR

ATTEST:

I, Tracey Mulcahey, City Clerk of the City of North Liberty, hereby certify that at a meeting of the City Council of said City, held on the above date, among other proceedings, the above was adopted.

TRACEY MULCAHEY, CITY CLERK

Lot 8, Golfview Site Plan





Recommended for approval by Planning Commission at their meeting on February 6, 2018.

January 26, 2018

<u>Memo</u>

To: North Liberty Planning Commission From: Dean Wheatley, Planning Director Subject: Site Plan Approval Request (Lot 8 Golfview Commercial, Part 2)

Your North Liberty city staff has reviewed the subject submission, and offer comments presented in this memo. The staff review team includes the following personnel: Ryan Heiar, City Administrator Tracey Mulcahey, Assistant City Administrator Tom Palmer, City Building Official Scott Peterson, City Attorney Kevin Trom, City Engineer Dean Wheatley, Planning Director

This request is to approve a site plan for multi-user commercial development on the east side of 965 between Lions Drive and Hawkeye Drive. Because of its high visibility on 965, good design is critically important.

The site layout is similar to other buildings nearby and logical considering the shape of the lot, with buildings oriented east-west and parking near the 965 right-of-way. It should be noted that 965 is substantially higher in elevation than the lot under review. The site planning and landscaping plan meet basic requirements for development with a few exceptions noted below. There is no outside storage or display shown so none will be allowed unless specifically approved at a later time.

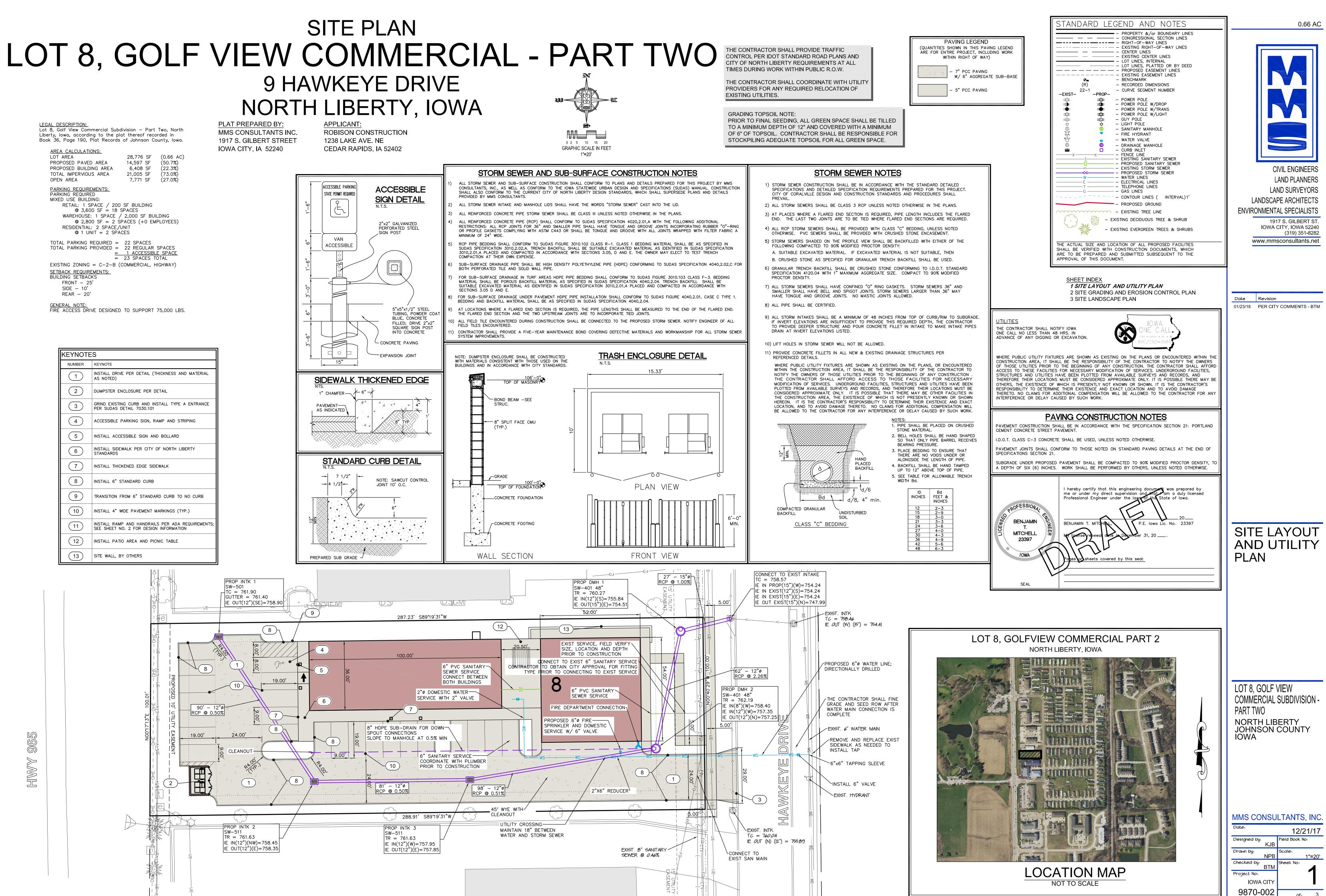
While the parking proposed meets the requirements as identified in the parking table on the site plan, any future uses will be extremely limited because of those numbers used, so as with other recent similar developments, an Owner's Acknowledgement of this issue and of possible occupancy certificate limitations is required prior to approval.

The building design is proportional and features a good mix of materials used well to create an interesting site, with windows, doors, and awnings that work well together.

The applicant has worked well with City staff to resolve issues in previous submissions, and this site plan is recommended for approval.

Notes:

• Fire Department sprinkler connection for east building (Building #2) shall face Golfview Drive. FDC sprinkler connection location will be determined during fire sprinkler plan review.



of: 3

SITE PLAN

THE CONTRACTOR SHALL PROVIDE TRAFFIC

TIMES DURING WORK WITHIN PUBLIC R.O.W.

EXISTING UTILITIES.

CONTROL PER IDOT STANDARD ROAD PLANS AND

THE CONTRACTOR SHALL COORDINATE WITH UTILITY

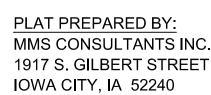
PROVIDERS FOR ANY REQUIRED RELOCATION OF

CITY OF NORTH LIBERTY REQUIREMENTS AT ALL

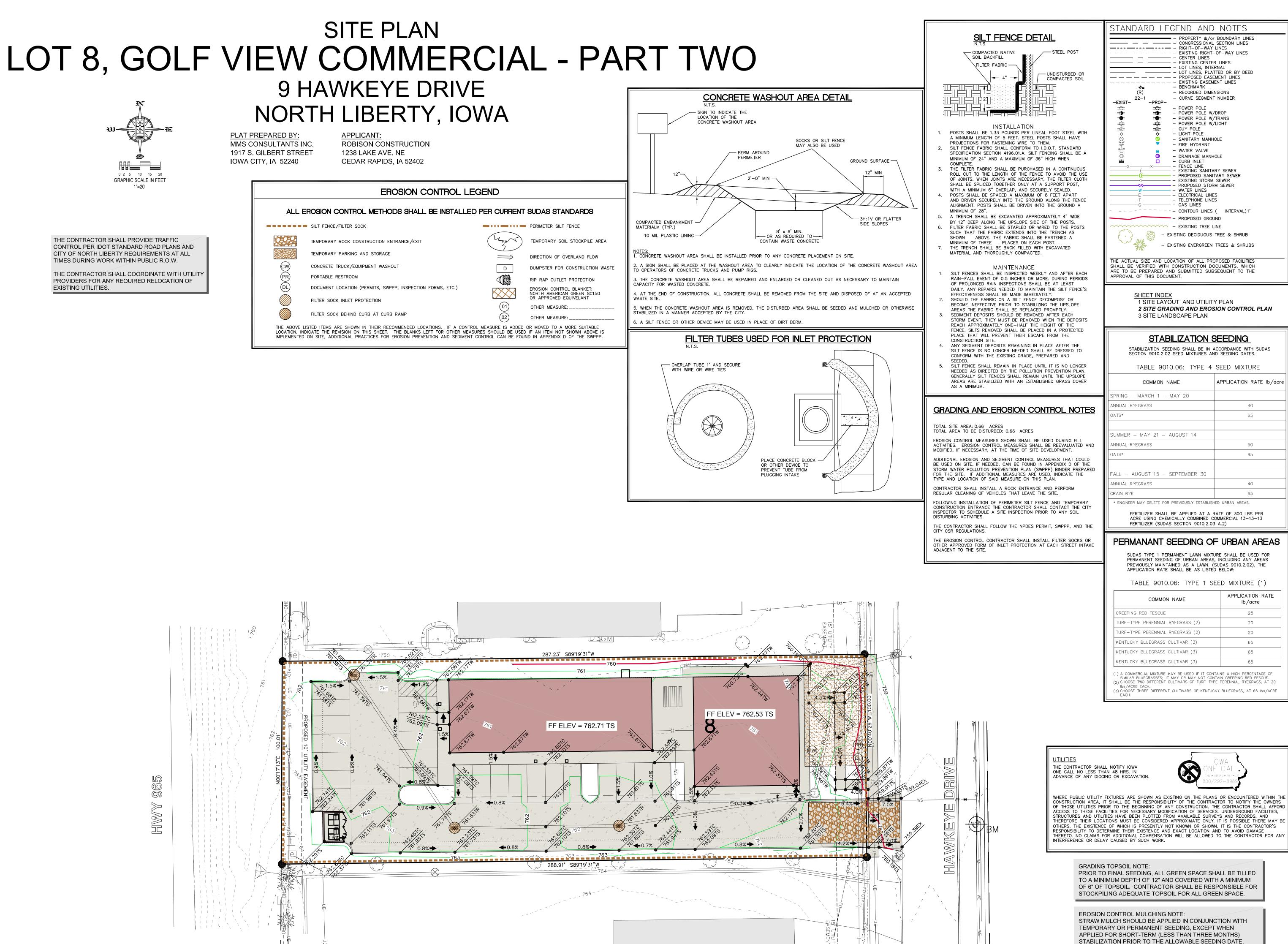
0 2 5 10 15 20

GRAPHIC SCALE IN FEET

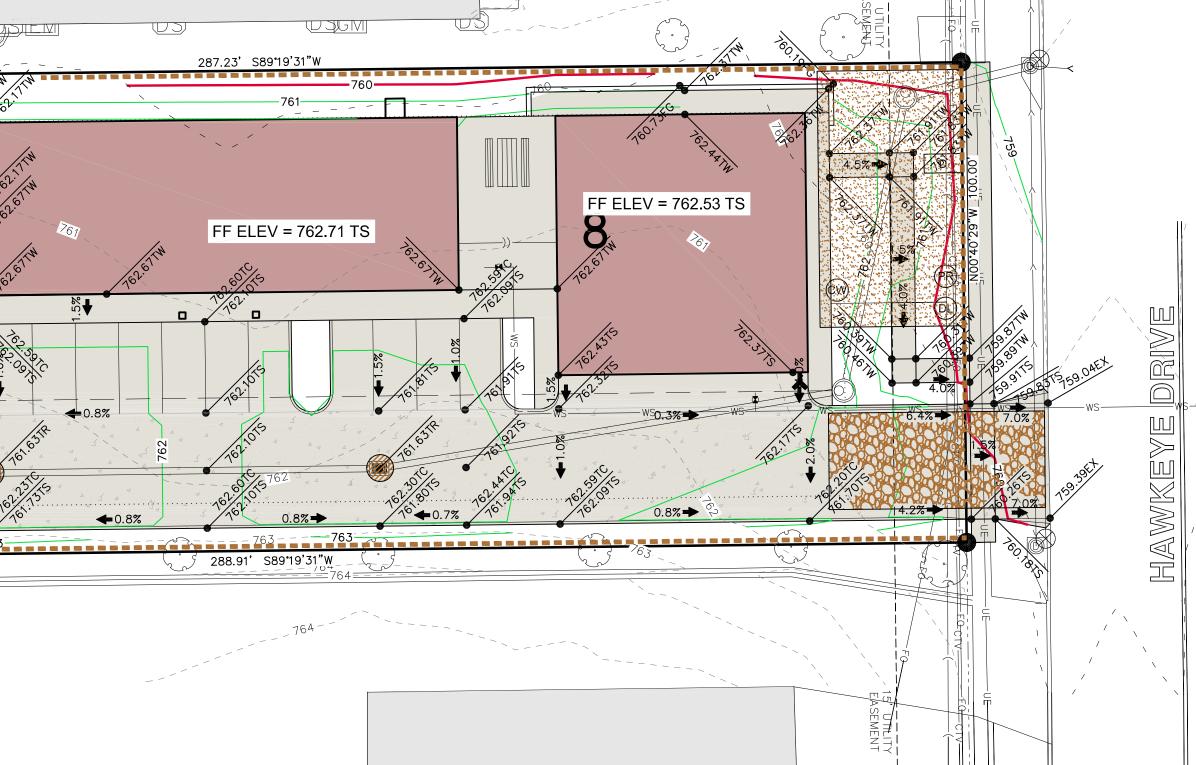
1"=20'

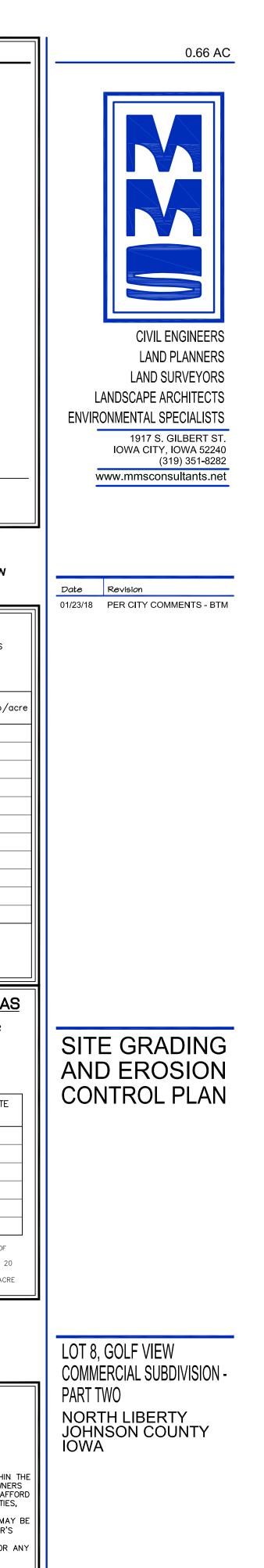


APPLICANT: 1238 LAKE AVE. NE CEDAR RAPIDS, JA 52402









40

65

50 95

40

65

25

20

20

65

65

65

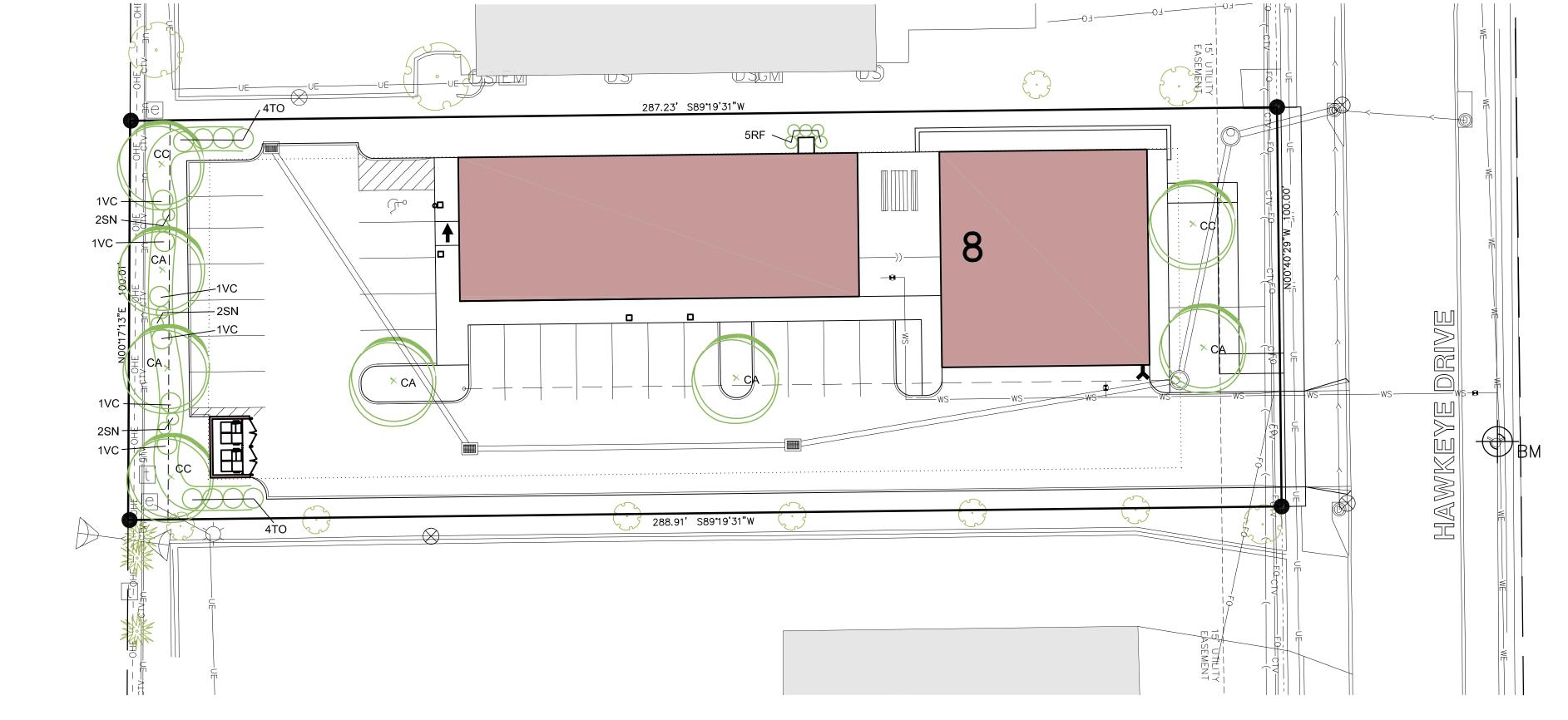
MMS CONSULTANTS, INC.

	,
Date:	12/21/17
Designed by: KJB	Field Book No:
Drawn by: NPB	Scale: 1"=20'
Checked by: BTM	Sheet No:
Project No:	
IOWA CITY	
9870-002	of: 3

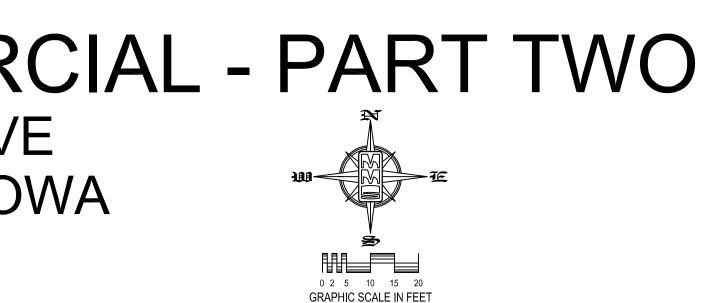
SITE PLAN LOT 8, GOLF VIEW COMMERCIAL - PART TWO 9 HAWKEYE DRIVE NORTH LIBERTY, IOWA

PLAT PREPARED BY: MMS CONSULTANTS INC. 1917 S. GILBERT STREET IOWA CITY, IA 52240

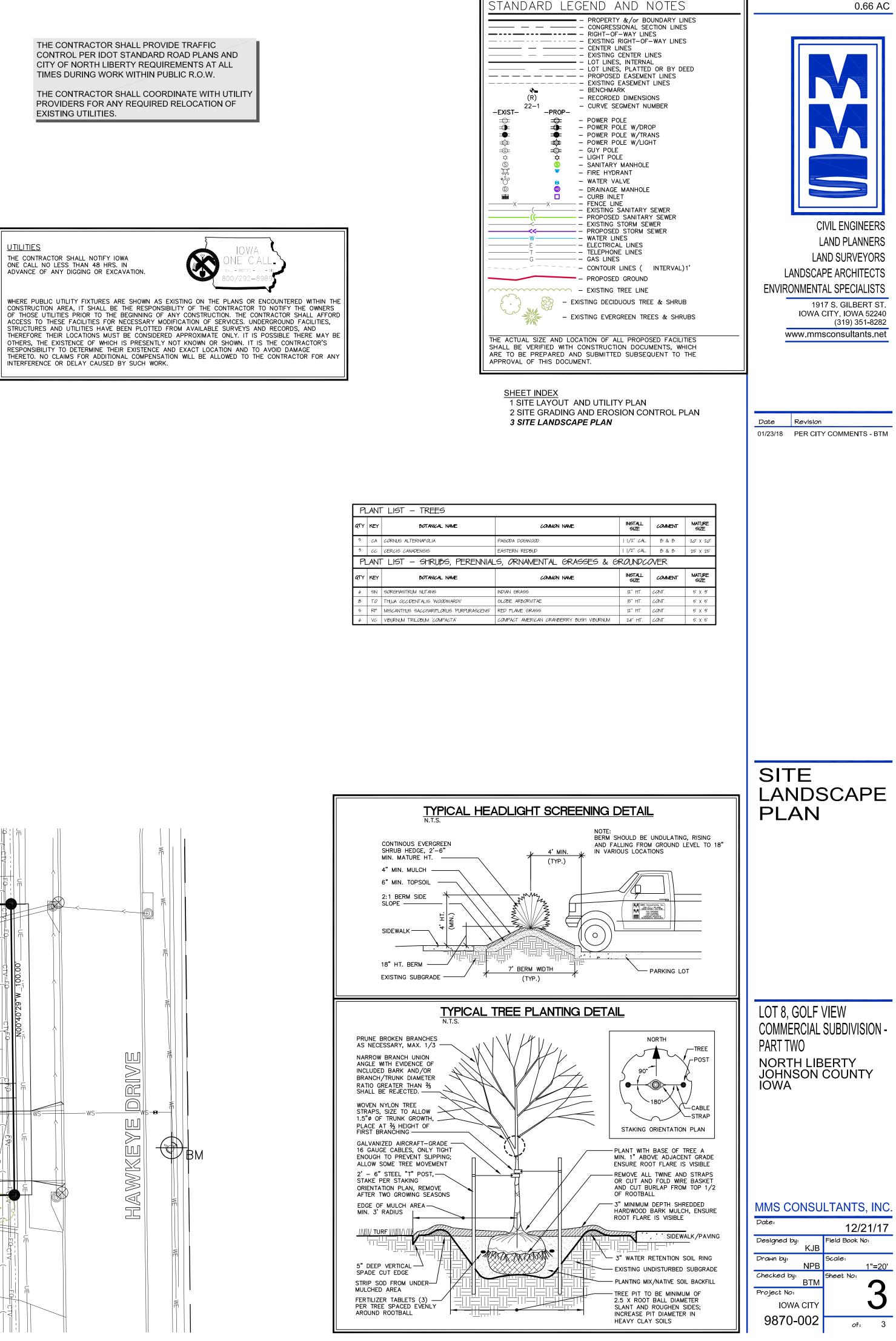
APPLICANT: ROBISON CONSTRUCTION 1238 LAKE AVE. NE CEDAR RAPIDS, IA 52402



998 1



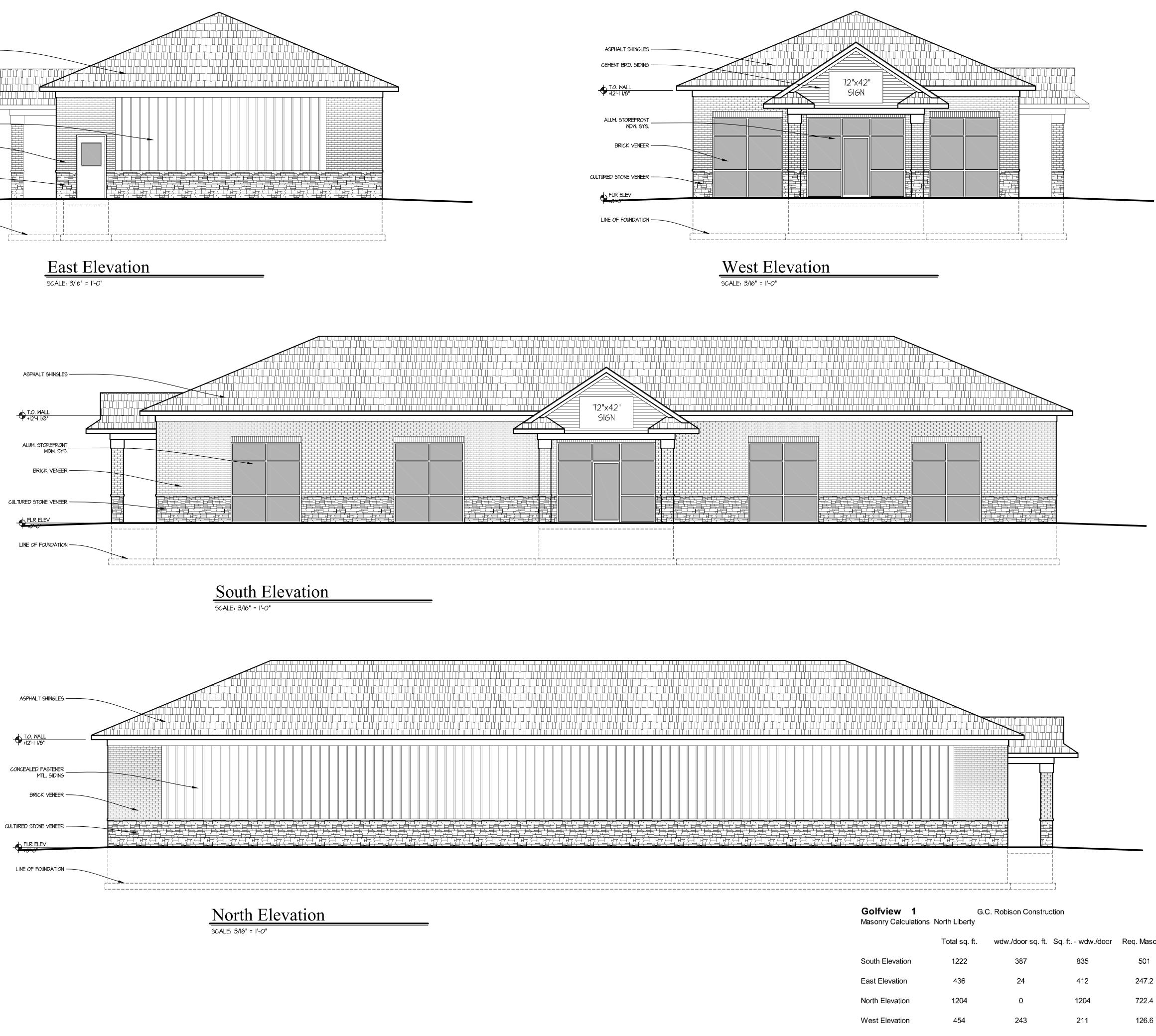
1"=20'









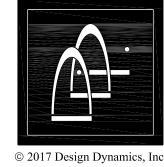


ions	North	Liberty	

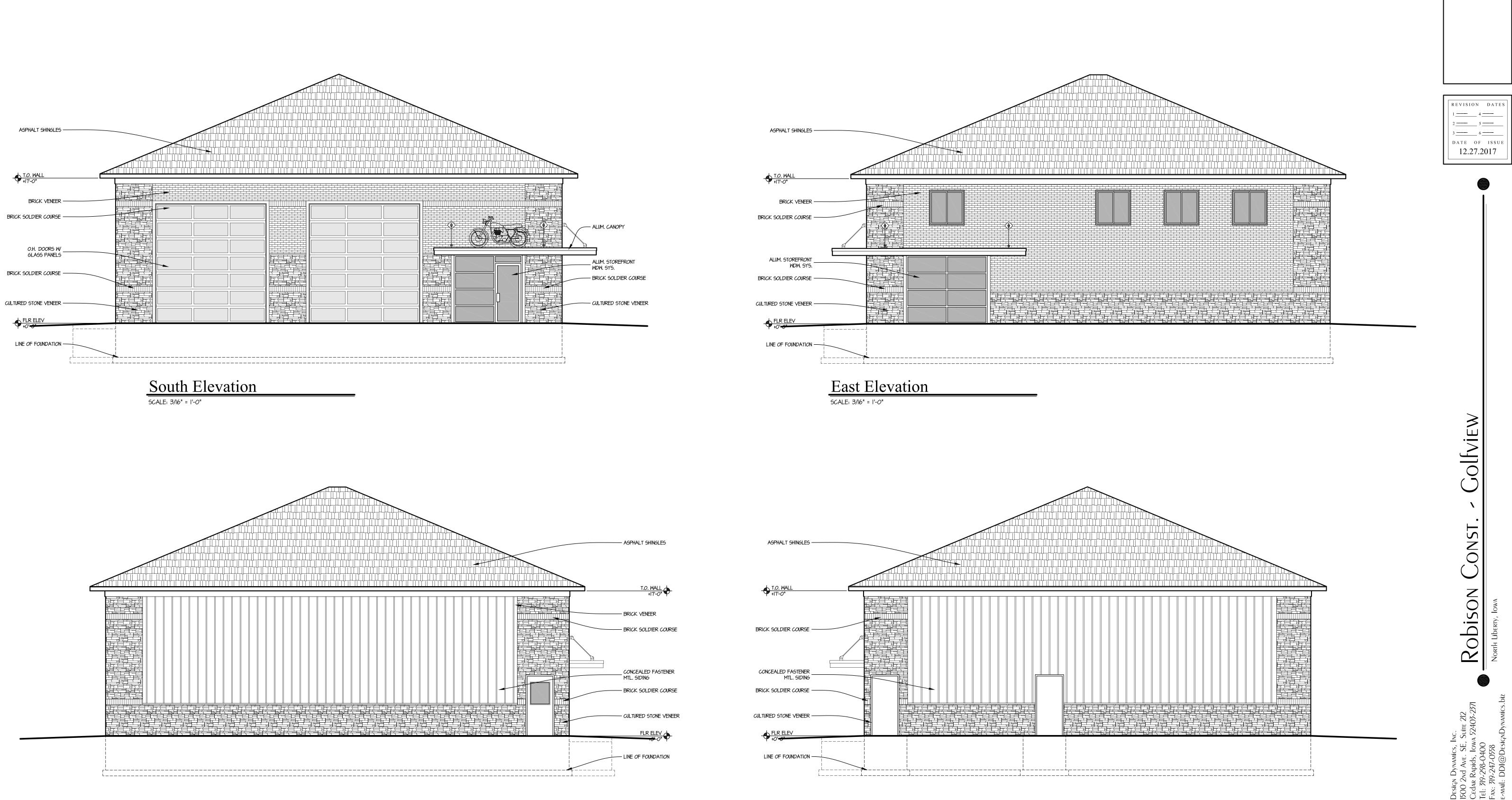
⊺otal sq. ft.	wdw./door sq. ft.	Sq. ft wdw./door	Req. Masonry	Masonry Provided	Percentage
1222	387	835	501	779	93.3%
436	24	412	247.2	229	55.6%
1204	0	1204	722.4	424	35.2%
454	243	211	126.6	155	73.5%
		2662	1597.2	1587	59.6%

REVISION DATES 1 4 2 5 3 6 DATE 0F 12.27.2017

 $\overline{\leq}$ Olf -- $\boldsymbol{\mathcal{C}}$









North Elevation SCALE: 3/16" = 1'-0"

> Golfview 2 Masonry Calculations North Liberty

South Elevation

East Elevation North Elevation

West Elevation

G.C. Robison Construction

Total sq. ft.	wdw./door sq. ft.	Sq. ft wdw./door	Req. Masonry	Masonry Provided	Percentage
890	265	625	375	625	100.0%
924	144	780	468	780	100.0%
890	48	842	505.2	285	33.8%
924	24	900	540	322	35.8%
		3147	1888.2	2012	63.9%



DESCRIPTION

The Halo LT560 is an LED Baffle-Trim Module for 5" and 6" aperture recessed downlights; suitable for new construction, remodel and retrofit installation. The LT560 is cULus Listed for use with Halo and All-Pro, and is UL Classified for use with other compatible 5" and 6" housings. Precision construction makes any housing AIR-TITE for added HVAC savings and code compliance.

Catalog # Туре Project Date Comments Prepared by

SPECIFICATION FEATURES

MECHANICAL Module - Trim

 Module construction includes LED, heat sink, reflector, lens, baffle and trim ring

Lens

- Regressed lens
- Impact-resistant polycarbonate Convex form for lamp-like
- appearance
- Diffusing for even illumination

Mounting

• Torsion springs are pre-installed and adjust to fit 5" and 6" compatible housings

Housing Compatiblity

See Housing Compatibility

I FD

- Color Temperature (CCT) Options: 2700K, 3000K, 3500K, 4000K, 5000K
- CRI: 90
- 90 CRI can be used for California Title 24 compliance/ certified to Title 20

LED Chromaticity

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377- 2011
- High color performance with R9 greater than 50
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

ELECTRICAL

Power Connections

 LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5" and 6" LED housings



- LED Connector meets California Title-24 high efficacy luminaire requirement for a non-screw base socket, and where required to qualify as a high efficacy luminaire
- The included E26 medium screw-base Edison adapter provides easy retrofit of incandescent housings
- (see Housing Compatibility) • L70 at 35,000 hours.

Ground Connection

Separate grounding cable included on the module for attachment to the housing during installation

LED Driver

- 120V 50/60 Hz constant current dimmable driver provides highefficiency operation
- · If dimming is not required the fixture can be operated from a standard wall switch

Dimming

- Designed for continuous dimming capability to nominally 10% with many 120V Leading Edge (LE) and Trailing Edge (TE) Phase Control dimmers. (Dimmers with low end trim adjustment offer greater
- assurance of achieving 10% level.) · Consult dimmer manufacturer for compatibility and conditions of use

Note: some dimmers require a neutral in the wallbox.

Warranty

Five-year limited warranty.

Compliance Labels

- UL/cUL Listed 1598 Luminaire (with listed housings)
- UL Classified (with other housings - see Housing Compatibility)
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location covered ceiling - Shower Applications
- IP56 Ingress Protection rated



Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database



• May be installed in housings in direct contact with insulation* and combustible material

COMPLIANCE

- · Airtight certified per ASTM-E283-04 (not exceeding 2.0 CFM under 75 Pascals pressure difference)
- Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.*
- Can be used for International **Energy Conservation Code** (IECC) high efficiency luminaire compliance.
- ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List* • EMI/RFI per FCC 47CFR Part
- 15 Class B Consumer limits, suitable for use in residential and commercial installations
- Contains no mercury or lead and RoHS compliant.
- · Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
- Can be used in closets. Compliant with NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(3).



LT560

HALO

600 Series 5/6-Inch LED **Recessed Retrofit Module-Trim**

90CRI 2700K, 3000K, 3500K, 4000K, 5000K

FOR USE IN **INSULATED CEILING** AND NON- INSULATED **CEILING RATED** HOUSINGS

HIGH-EFFICACY LED WITH INTEGRAL **DRIVER - DIMMABLE**

ENERGY DATA

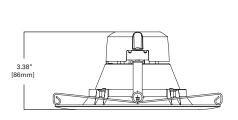
LT56 Series (Values at non-dimming line voltage)				
Input Voltage	120 VAC			
Input Current	0.085A - 0.089A (per input power)			
	LT560WH6927	10.0 W		
	LT560WH6930	10.0 W		
Input Power	LT560WH6935	10.0 W		
	LT560WH6940	10.4 W		
	LT560WH6950	10.3 W		
THD	≤ 24%			
PF	PF ≥ 0.90			
T Ambient	-30°C to +40°C			
Sound Rating	Sound Rating Class A			
(all values at 25°C without a dimming control in circuit)				

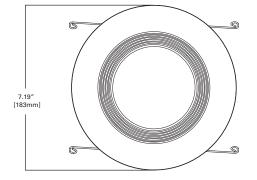


* Refer to ENERGY STAR® Certified Products List and CEC (T20) Appliance Database for listings. ** Not for use with housings in direct contact with spray foam insulation

LT560

DIMENSIONS





ORDERING INFORMATION

Models	Accessory (Order Separately)
LT560WH6927= 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 2700K, Matte White LT560WH6930= 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 3000K, Matte White LT560WH6935= 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 3500K, Matte White LT560WH6940= 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 4000K, Matte White LT560WH6950= 5"/6" Retrofit Baffle - Trim LED Module, 90 CRI, 5000K, Matte White	HE26LED=Replacement screw base adapter (one included with unit) E26 Screw base adapter for retrofit (included)

HOUSING COMPATIBILITY

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)

	Recessed Can Size	Catalog Number
HALO LED	5"	H550ICAT, H550RICAT
	6"	H750ICAT, H750RICAT, H750T, H750TCP, H2750ICAT, H2750RICAT

Halo LED Retrofit Enclosures

HALO	6"	ML7BXRFK, ML7E26RFK
------	----	---------------------

Compatible Halo Incandescent E26 Screwbase Housings

	5"	H5ICAT, H5ICATNB, H5RICAT, H5T, H5TNB, H5RT, H5TM, H25ICAT, H25ICATNB, E5ICAT, E5ICATNB, E5RICAT, E5TAT, E5TATNB, E5RTAT
HALO	6"	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICT, H7UICAT, H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT, E7ICAT, E7RICAT, E7ICATNB, E27ICAT, E27RICAT, E7RTAT

Compatible All-Pro Incandescent E26 Screwbase Housings

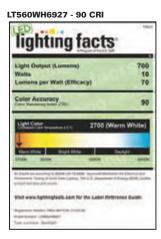
		· · · · · · · · · · · · · · · · · · ·
	5"	EI500AT, EI500RAT, ET500, ET500R
ALL-PRO	6"	EI700AT, EI700RAT, EI700, EI700R, EI700ATNB, EI700NB, EI700U, EI700UAT, ET700, ET700R, EI2700AT, EI2700, EI2700R, ET2700, ET2700R

LT56 Series LED Retrofit is UL Classified for retrofit in the following 5/6" recessed housings:

The LT Series LED light module - trim combination is cULus Listed or UL Classified for use with any 5"/6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in³ in addition to those noted above.



Product Specifications

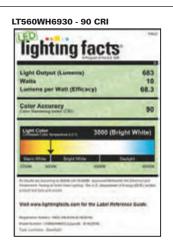


LT560WH6935 - 90 CRI

lighting facts		
Light Östput (Lumens) Walts Lumens per Walt (Efficacy)	697 10 69.7	
Color Accuracy Color Research (Clinic	90	
Vagen Colour State Properties (211) 3500 (Brit Union State State Value and State	aht White) Maget Annot	
At small an assuming is \$254 (A foldale Approval Sector) Protocord Target a local line spring. So is 3. Department of prillad and bits and analy.	the property and the property of the property	
Wet wave lightinglasis som for the Laber Hoter	teres Guide.	
- Segurare Name: Nel Alabie (n. 1934) Name Name (n. 1936) Name Name (n. 1936) Name Name (n. 1936)		

LT560WH6950 - 90 CRI

lighting facts		
Light Output (Lumens) Watta Lumens per Watt (Efficacy)	754 10.3 73.2	
Color Accuracy Color Researcy Intel (CRI)	90	
Updel Colors Theorem and Temperature (1/1) Neuron Mildes Bargel Wildes En- Dook Mildes Bargel Wildes En-	Daylight) April	
At leads an incomp is their of the part approximation of the second statement	n Danmar And mgr (Dirit) and the	
Wait wave lightingfacts open for the Labor Hoteron	er Guide.	
Angenese Konner Halls of Art (and the Art (a		



LT560WH6940 - 90 CRI

Light Output (Lumens) Watts Lumens per Watt (Efficacy)	737 10.4 70.87
Color Accuracy Color Research (City)	90
Hard Color House and City 4000 (Be	right White)
Dook sook sook	Support entor
A reaction of the provide the second se	A possib (pre) require

Photometric Data

90

80

LT56 Photometric* LT560WH6930 Luminaire lumens 698 Input watts 10 LER (LPW) 69.8 0-180 1.21 Spacing 90-270 1.21 Criteria Diagonal 1.27 Beam angle (degrees) 93.3 Field angle (degrees) 137.9 Zonal lumen Lumens % Lumens 0-30 253 36.3 0-40 405 58.0 0-60 632 90.6 0-90 698 100.0 90 80 70 70° 50 40 30 30 20 10 10° 0°

* Tested in accordance with IES LM63. Field results may vary.



Specifications and dimensions subject to change without notice.