

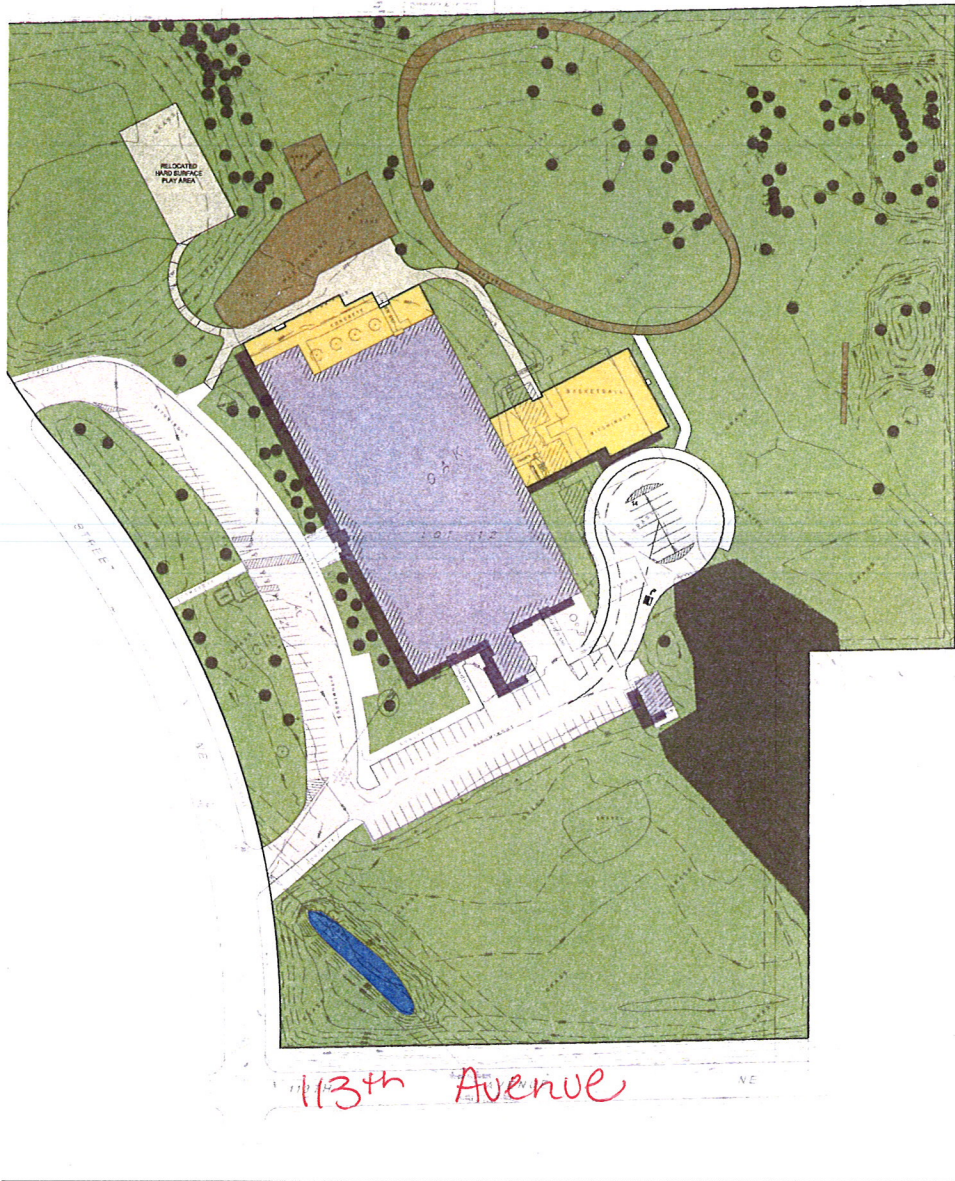
**Case File No. 13-0058**

**Proposed Jefferson School Addition**

Blaine Planning Department / 10801 Town Square Dr NE / Blaine, MN 55449 / (763) 785-6180

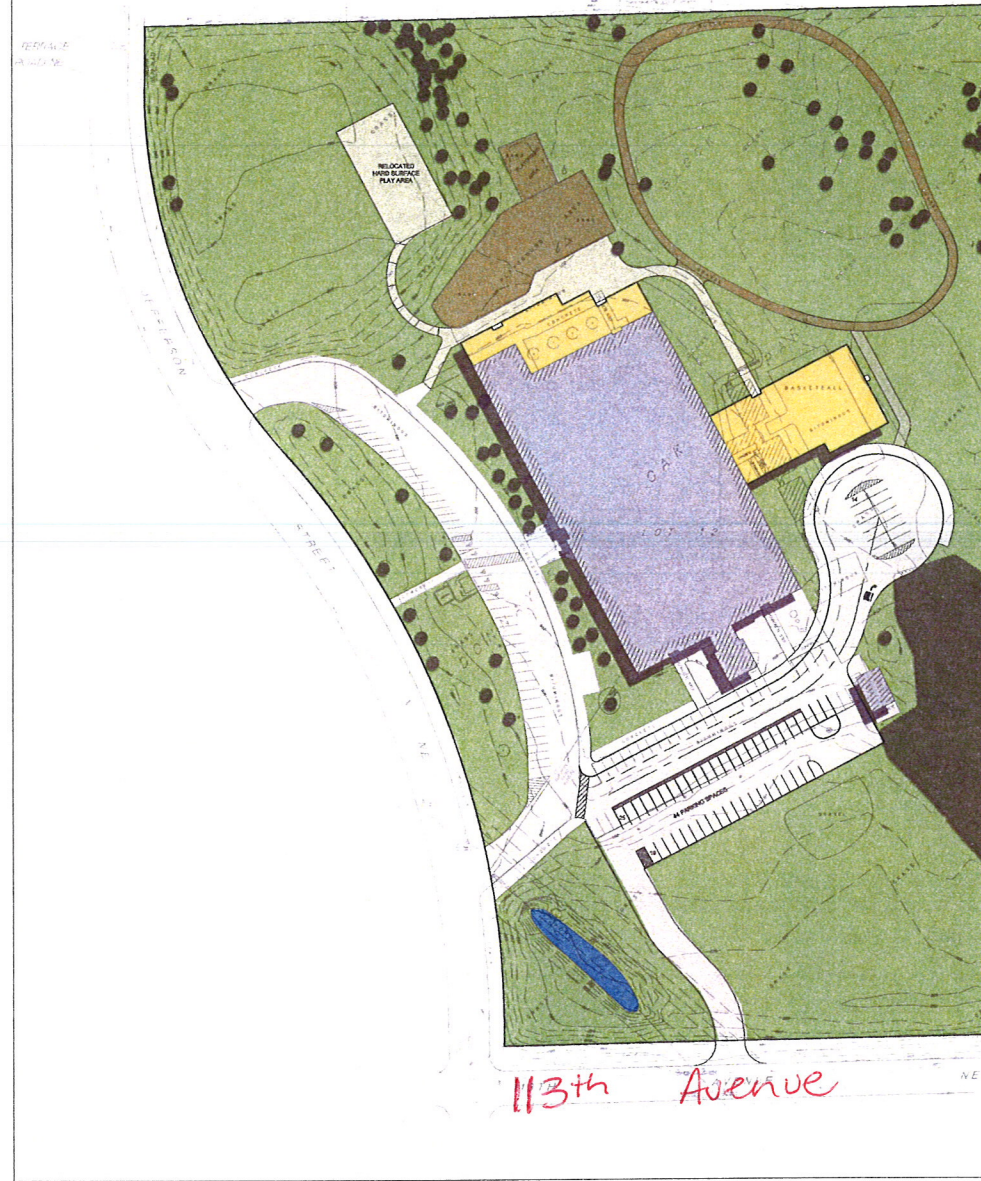






1 EXHBT SITE LAYOUT PLAN - BASE BID - 11/6/13  
SCALE: 1" = 40'

Plan A



1 EXHBT SITE LAYOUT PLAN - W/ALTERNATE - 11/6/13  
SCALE: 1" = 40'

Plan B

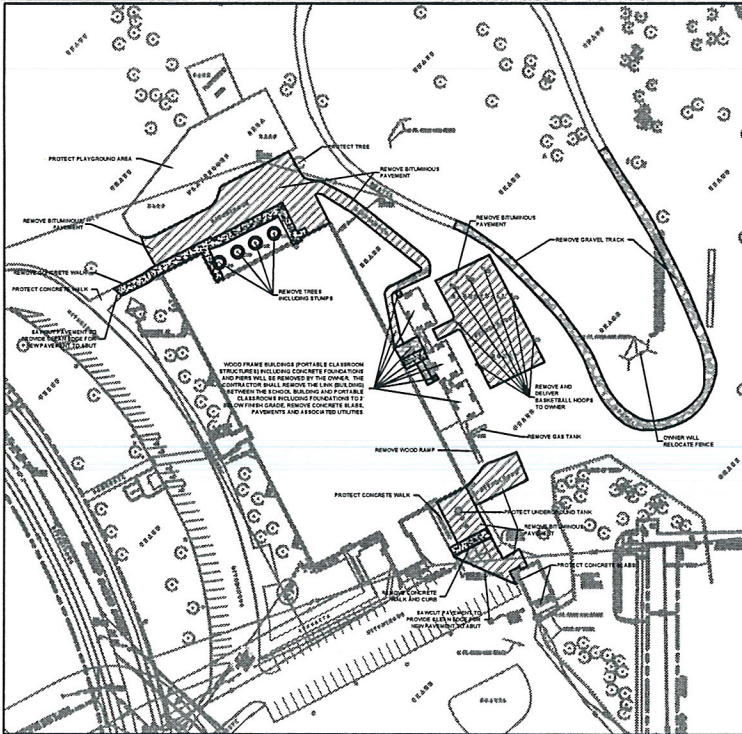


NOTES

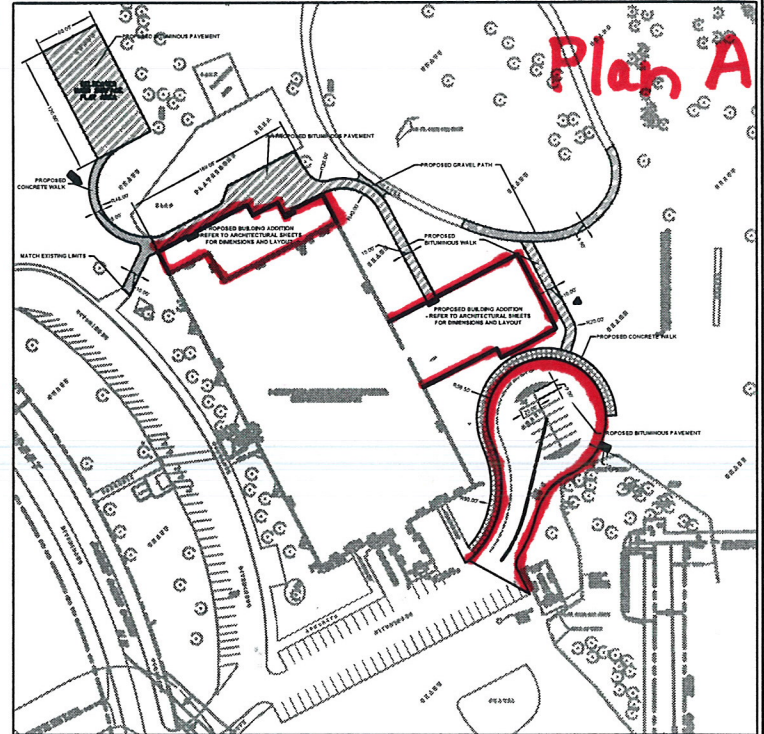
- REFER TO SHEET C1.2 FOR GENERAL NOTES.
- MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING VEGETATION AND SITE FEATURES (CURBS, WALKS, PAVEMENTS, OVERHEAD AND UNDERGROUND UTILITIES, BOWDIE, FENCES, ROADWAYS, ETC.) WHICH ARE TO REMAIN.
- REPAIR OR REPLACE EXISTING PROPERTY AND SITE FEATURES, INCLUDING GRASS AND VEGETATION, WHICH IS TO REMAIN THAT IS DAMAGED BY THE WORK, TO OWNER'S SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
- VISIT THE SITE PRIOR TO BIDDING. BE FAMILIAR WITH ACTUAL CONDITIONS IN THE FIELD. EXTRA COMPENSATION WILL NOT BE ALLOWED FOR CONDITIONS WHICH COULD HAVE BEEN DETERMINED OR ANTICIPATED BY EXAMINATION OF THE SITE, THE CONTRACT DRAWINGS AND THE INFORMATION AVAILABLE PERTAINING TO EXISTING SOILS, UTILITIES AND OTHER SITE CHARACTERISTICS.
- THE CONTRACTOR SHALL HIRE THE SERVICES OF A UTILITY COMPANY TO LOCATE ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION LIMITS. INCLUDE THE COST FOR LOCATING SERVICES IN THE BID AMOUNT.
- CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
- ALL DISTURBED AREAS WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 4" OF TOPSOIL AND SHALL BE SOGGED.
- WHERE NEW SOG MEETS EXISTING TURF, EXISTING TURF EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW SOG REQUIRED TO ALLOW NEW SOG SURFACE TO BE FLUSH WITH EXISTING.
- FAILURE OF TURF DEVELOPMENT, IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RESOUD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.

LEGEND

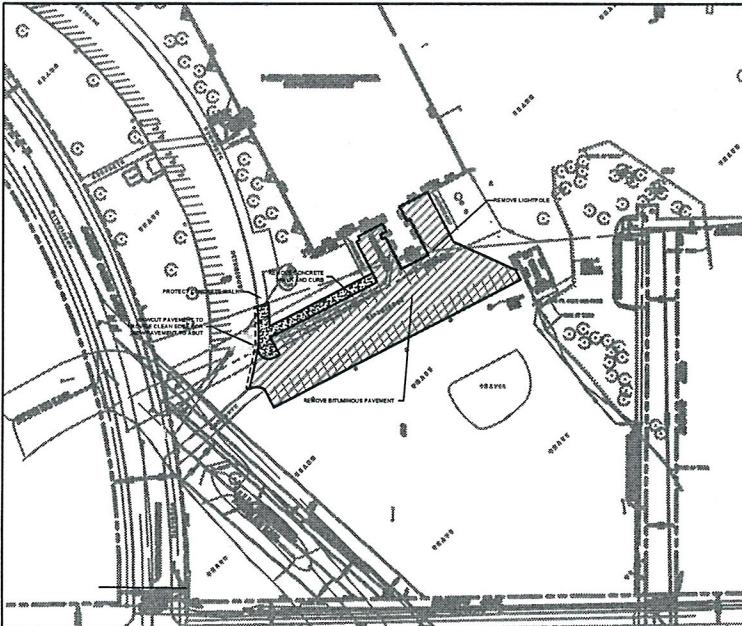
- REFERENCE KEY TO SITE DETAILS  
DETAIL LD NUMBER (TOP)  
DETAIL SHEET NUMBER (BOTTOM)
- CONCRETE REMOVAL
- BITUMINOUS PAVEMENT REMOVALS AND SUBGRADE CORRECTION
- DRAVEL REMOVAL
- BUILDING REMOVAL
- SAWCUT PAVEMENT
- UTILITY REMOVALS
- TREE REMOVALS
- PROPERTY LINE
- SEDIMENT CONTROL DEVICE AT STORM SEWER INLETS  
REFER TO SPECS FOR ACCEPTABLE PRODUCTS
- PROPOSED LIGHT DUTY BITUMINOUS PAVEMENT
- PROPOSED MEDIUM DUTY BITUMINOUS PAVEMENT
- PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
- PROPOSED CONCRETE WALK
- PROPOSED GRAVEL



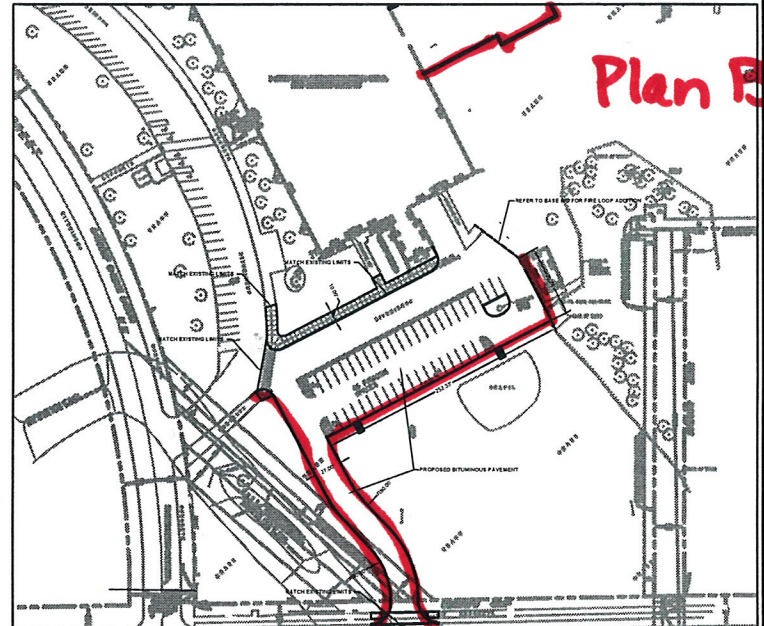
1 REMOVALS PLAN  
C1.1 BASE BID



2 SITE LAYOUT PLAN  
C1.1 BASE BID



3 REMOVALS PLAN  
C1.1 ALTERNATE OPTION



4 SITE LAYOUT PLAN  
C1.1 ALTERNATE OPTION

Plan A

Plan B

JEFFERSON ELEMENTARY  
CLASSROOM ADDITION  
AND ALTERATIONS  
ANGLIA THOMAS BULL & BROWN DISTRICT NO. 11  
11231 JEFFERSON STREET, NE

SIGNATURE / SEAL

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 in the State of Maryland.

DATE: \_\_\_\_\_

TYPE OF PRINTING: \_\_\_\_\_

SCALE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

INCHES FOR: \_\_\_\_\_

DEVELOPMENT: \_\_\_\_\_

ISSUE DATE: \_\_\_\_\_

SHEET NAME: \_\_\_\_\_

REMOVAL AND SITE LAYOUT PLAN

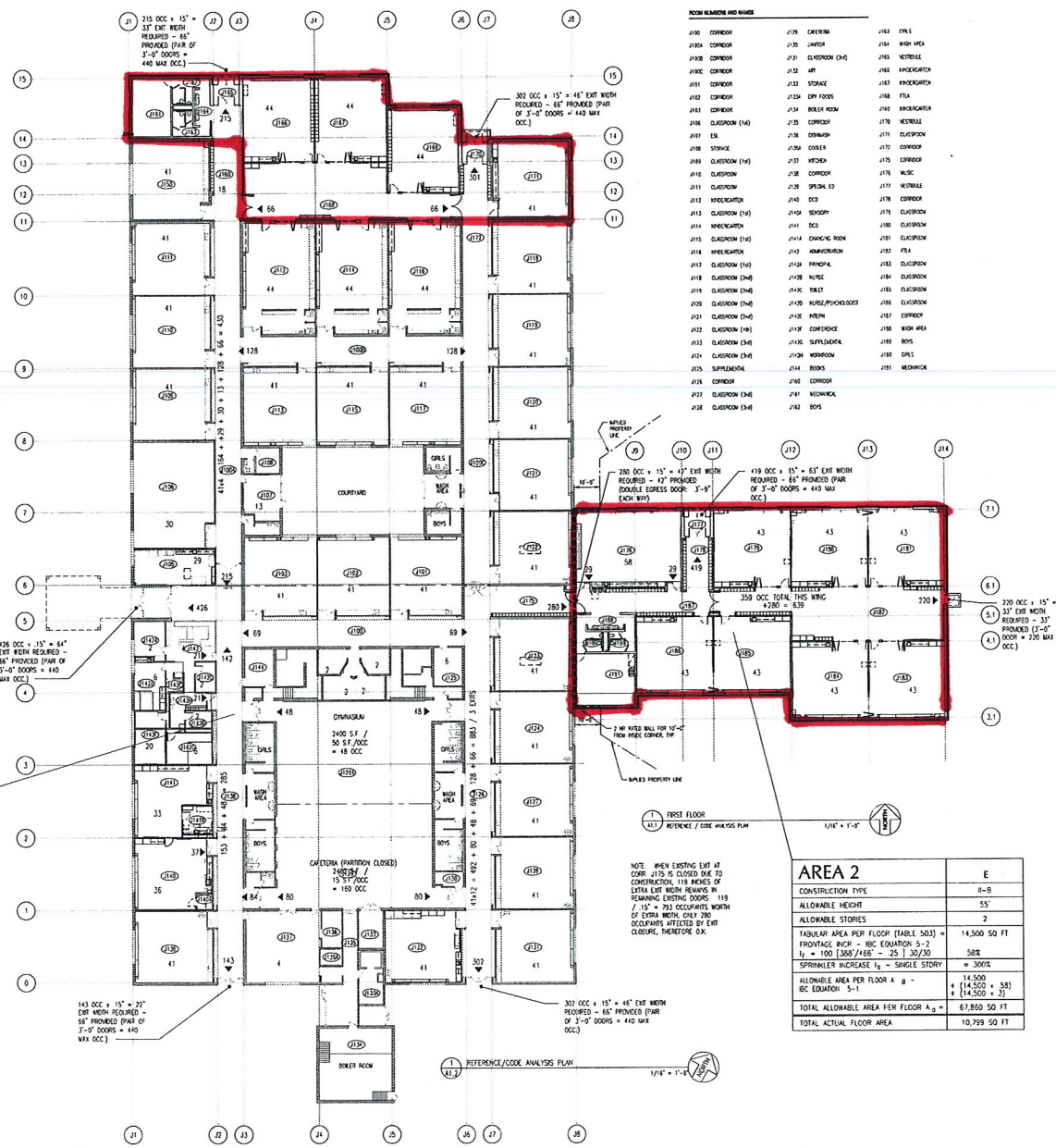
AT&S&R PROJECT NO. 15090

SHEET NUMBER



COVERING CODES  
 200 MINNESOTA BUILDING CODE (2009 IBC BY MIN. AMENDMENTS)  
 200 MINNESOTA FIRE CODE (2009 IFC BY MIN. AMENDMENTS)  
 200 MINNESOTA PLUMBING CODE  
 2009 MINNESOTA MECHANICAL CODE (2009 IBC AND IFC, FUEL GAS CODE BY MIN. AMENDMENTS)  
 2008 MINNESOTA ELECTRICAL CODE

LEGEND  
 ■■■■■ 2 IN FIRE RATED DOOR (10) WITH 50 LB MIN. OPERING AND FIRE DAMPER, W/FE GLASS - 100 SQ IN MIN. NET GLASS (1.1.2, 1.14.2 & 710.1.1)  
 \* IF OCCUPANTS EXCEED 48 - PROVIDE OCCUPANTS LIFTING PROVIDED HORIZONTAL DIST. \*  
 ■■■■■ MIN. CLEARANCE - 7' (SEE DIM. FOR SPRAWLED)



ROOM NUMBERS AND NOTES

1100	CORRIDOR	1178	CATERINA	1163	OFFICE
1101	CORRIDOR	1179	LANTANA	1164	WGN AREA
1102	CORRIDOR	1180	CLASSROOM (3-4)	1165	VESTIBULE
1103	CORRIDOR	1181	ART	1166	INVESTIGATION
1104	CORRIDOR	1182	STORAGE	1167	INVESTIGATION
1105	CORRIDOR	1183	OFFICE	1168	FILE
1106	CORRIDOR (1-4)	1184	REST ROOM	1169	INVESTIGATION
1107	ENR	1185	CORRIDOR	1170	VESTIBULE
1108	STORAGE	1186	CLASSROOM	1171	CLASSROOM
1109	STORAGE	1187	COOKLINE	1172	CORRIDOR
1110	CLASSROOM (1-4)	1188	MEDIA	1173	CORRIDOR
1111	CLASSROOM	1189	CORRIDOR	1174	MUSIC
1112	CLASSROOM	1190	SPECIAL ED	1175	VESTIBULE
1113	INVESTIGATION	1191	OC	1176	CORRIDOR
1114	CLASSROOM (1-4)	1192	STORAGE	1177	CLASSROOM
1115	CLASSROOM (1-4)	1193	BOC	1178	CLASSROOM
1116	INVESTIGATION	1194	CHANGING ROOM	1179	CLASSROOM
1117	CLASSROOM (1-4)	1195	INVESTIGATION	1180	FILE
1118	CLASSROOM (1-4)	1196	PHOTOCOPY	1181	CLASSROOM
1119	CLASSROOM (1-4)	1197	NURSE	1182	CLASSROOM
1120	CLASSROOM (1-4)	1198	TOILET	1183	CLASSROOM
1121	CLASSROOM (1-4)	1199	NURSE/PSYCHOLOGIST	1184	CLASSROOM
1122	CLASSROOM (1-4)	1200	MECH	1185	CORRIDOR
1123	CLASSROOM (1-4)	1201	CONFERENCE	1186	WGN AREA
1124	CLASSROOM (1-4)	1202	STAFF/STUDENT	1187	BOYS
1125	CLASSROOM (1-4)	1203	WORKROOM	1188	OFFICE
1126	CORRIDOR	1204	BOOKS	1189	MECHANICAL
1127	CLASSROOM (1-4)	1205	MEDIA		
1128	CLASSROOM (1-4)	1206	BOYS		

AREA 1

	E
CONSTRUCTION TYPE	II-B
ALLOWABLE HEIGHT	55'
ALLOWABLE STORIES	2
TABULAR AREA PER FLOOR (TABLE 503)	14,500 SQ FT
FRONTAGE INCR - IBC EQUATION 5-2	
$I_f = 100 \left[ \frac{1.064 \times 71.307 - 25}{30/20} \right] 30/20$	= 55%
SPRINKLER INCREASE $I_s$ - SINGLE STORY	= 300%
ALLOWABLE AREA PER FLOOR $A_p$ - IBC EQUATION 5-1	$\frac{14,500}{1 + (14,500 + 58) + (14,500 \times 3)}$
TOTAL ALLOWABLE AREA PER FLOOR $A_{p0}$	68,120 SQ FT
TOTAL ACTUAL FLOOR AREA	57,156 SQ FT

ACTUAL AREA DOES NOT INCLUDE 2,040 S.F. COURTYARD

AREA 2

	E
CONSTRUCTION TYPE	II-B
ALLOWABLE HEIGHT	55'
ALLOWABLE STORIES	2
TABULAR AREA PER FLOOR (TABLE 503)	14,500 SQ FT
FRONTAGE INCR - IBC EQUATION 5-2	
$I_f = 100 \left[ \frac{3.887 \times 4.69 - 25}{30/20} \right] 30/20$	= 58%
SPRINKLER INCREASE $I_s$ - SINGLE STORY	= 300%
ALLOWABLE AREA PER FLOOR $A_p$ - IBC EQUATION 5-1	$\frac{14,500}{1 + (14,500 + 58) + (14,500 \times 3)}$
TOTAL ALLOWABLE AREA PER FLOOR $A_{p0}$	67,850 SQ FT
TOTAL ACTUAL FLOOR AREA	10,799 SQ FT

ATS&R  
 AMERICAN TECHNICAL SERVICES & PLANNING, INC.  
 ARCHITECTURE ENGINEERING INTERIOR DESIGN LANDSCAPE ARCHITECTURE  
 801 GOLDEN VALLEY ROAD  
 SUITE 300  
 MINNEAPOLIS, MN 55427  
 TEL: 763.543.3791  
 FAX: 763.543.2088  
 WWW: www.atsr.com  
 20 ANTI-CORROSION DESIGN & PROTECTIVE COATINGS

Jefferson Elementary  
 Classroom Addition and Alterations  
 Anoka Hennepin School District No. 11  
 11331 Jefferson Street NE  
 Blaine, MN 55434

DESIGN BY  
 T A P  
 CHECKED BY  
 D P H  
 SUBMITTED FOR  
 CITY SUBMITTAL  
 ISSUE DATE  
 NOVEMBER 15, 2013  
 SHEET NO.  
 REFERENCE AND  
 CODE ANALYSIS  
 PLAN  
 AT&R PROJECT NO.  
 130226  
 SHEET NUMBER





ARMSTRONG TORSETH SKOLD & RYDEEN INC

8601 GOLDEN VALLEY ROAD SUITE 300 MINNEAPOLIS MN 55427

PHONE: 763 . 545 . 3731 FAX: 763 . 525 . 3289

## **Jefferson Elementary School - Additions and Alterations**

City Submittal 11-18-13

### **Project Summary**

Anoka-Hennepin ISD #11 has very closely monitored student populations to maintain adequate learning spaces but not overbuild. The population at Jefferson Elementary is projected to be stable. The 2013 MN legislature took an unprecedented step to mandate and fund “all day/every day” kindergarten. The proposed additions at the Jefferson Elementary school will allow us space to house the new kindergarten students, replace aging, small portable classrooms, and create new space for a special education program. To create space for kindergarten at other neighboring schools, two center-based special education (D.C.D.) classrooms have been added into this building. In addition, the enrollment at Jefferson school is stable at approximately 700 students, and predicted to remain at that level. The new addition will allow us to create better classroom space for our students, remove three old portable classrooms on the east side of the building, and move staff into adequate work spaces instead of working in storage rooms or teaching subjects from a cart. Some of the new classrooms replace existing classrooms that have been repurposed for staff use. The staffing impact of these changes is that there will be approximately 4 potential new staff members being added.

On the site, the fire department inspector has required a fire department access loop at the east side of the site, to the south of the classroom addition, to access that end of the building. This has been included in the base bid for site work, extending from the east end of the existing staff parking lot. There are some additional parking spaces included in the middle of the loop, so the staff parking is adequate for the small expansion of staff required with the additions.

The district is also aware of some site concerns with parent drop-off/pick up and bus parking locations, and so the team looked at how the new required fire department access loop could be most efficiently used. Therefore an expanded-scope plan was developed, which is being bid as an alternate. This plan shows a new parent pick-up/drop off loop on the south side of the building, which would shift the existing staff parking lot slightly to the south. It also uses the fire department access loop as part of the car stacking length. This new parent pick-up/drip off loop would be accessed by a new drive from 113<sup>th</sup> street. The new loop would segregate cars from school buses for safer dismissal. Parent drop-off/pick-up would be moved off of Jefferson Street, and into this newly created loop, relieving traffic pressure on Jefferson Street. School buses access would remain to the existing front loading area, without competing with car traffic.

This plan is being bid as an alternate because of poor soil conditions underneath the proposed drive from 113<sup>th</sup> street. Preliminary soil borings showed peat the depth of the borings (7 feet), and further borings are being done to determine the full depth of the bad soils. Because the costs are not fully known, the district is proceeding with the expanded-scope parent drop-off/pick up area and drive as an alternate. If the alternate bid cost comes in such that enough funds are available, the district will accept the alternate, and the expanded scope will be built as a part of this project. If not, the district is interested in pursuing this plan as soon as it is able.