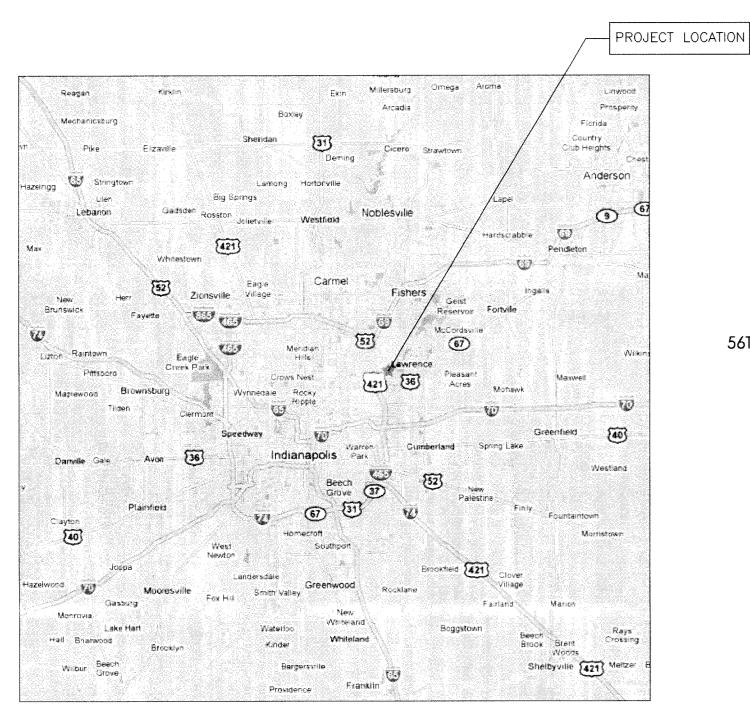
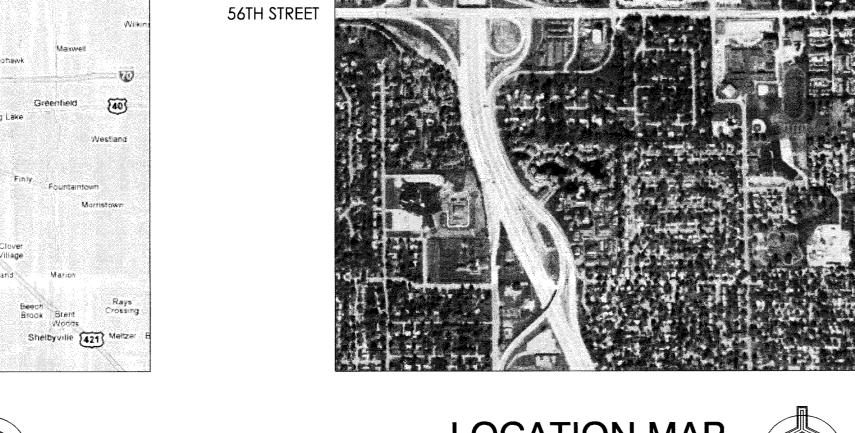
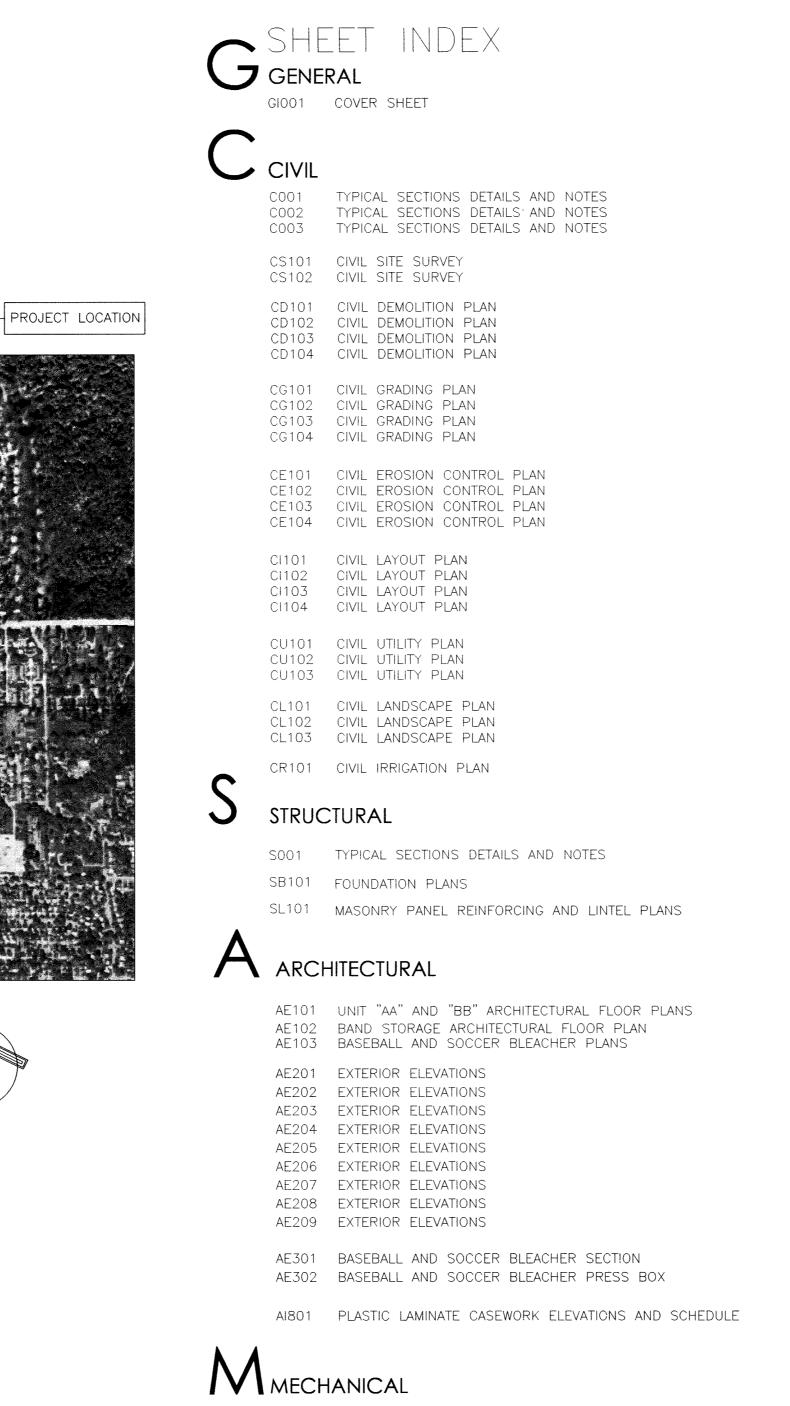
LAWRENCE CENTRAL HIGH SCHOOL AND RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA









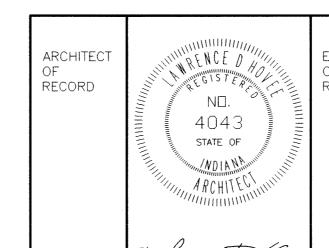


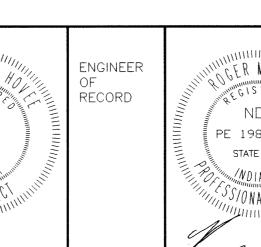
DESIGN

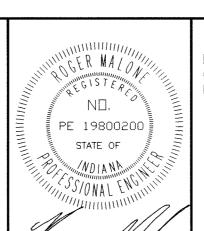
ARCHITECTURE ENGINEERING INTERIOR DESIGN

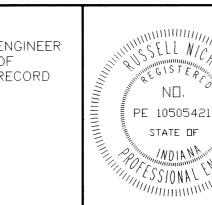


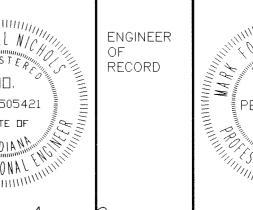
M101 UNIT "AA" AND "BB" MECHANICAL PLANS

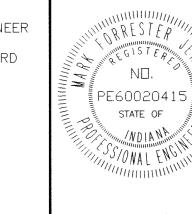












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Lawterner Hely

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DESIGN

IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

AWRENCE CENTRAL HIGH SCHOOL

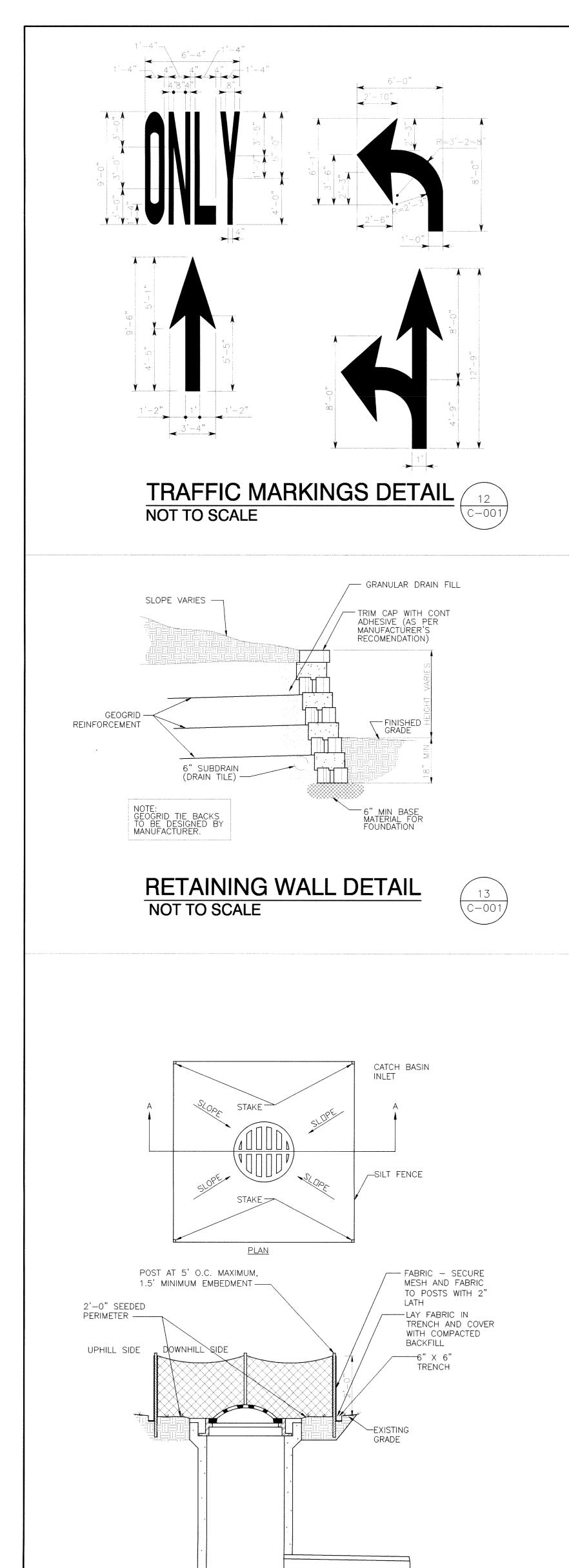
SCHOOL

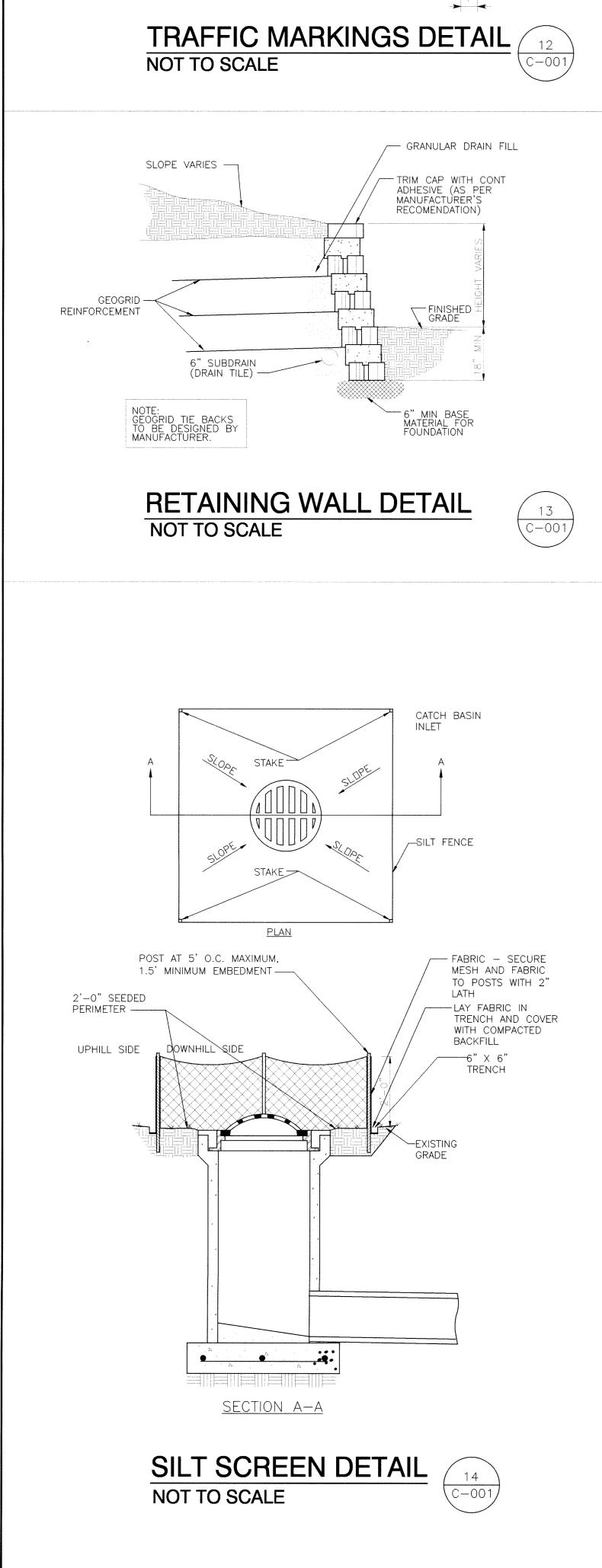
RELATED

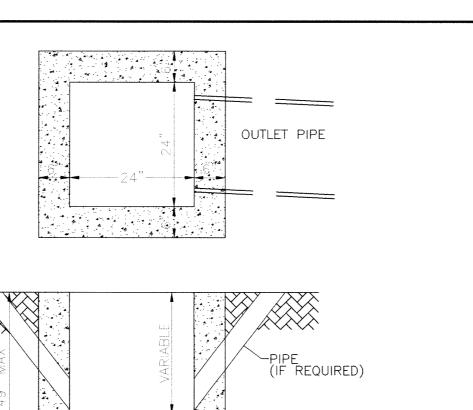
AND

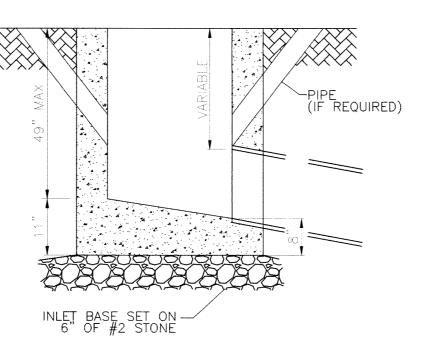
MARK DATE ISSUED FOR

SITE IMPROVEMENTS TO LAWRENCE **CENTRAL HS**









NOTES: 1) PRECAST CONCRETE STRUCTURE TO HAVE MIN. 4,000 PSI COMPRESSIVE STRENGTH 2) INLET CASTING TO BE NEENAH FOUNDRY MODEL R-2421-A (CURB AND GRATE)

TYPE "A" INLET DETAIL NOT TO SCALE

-#40 NOSING BAR

-FIBER ADDITIVE _#4 X 1'-4" @ 12"

SEE SECTION 13/C-001

R-4215-C

CONVEX GRATE

HEAVY DUTY

SAND BAG SEDIMENT BARRIER

SEE SCHEDULE FOR RIM

ELEVATION

- - -

R-4215-C

HEAVY DUTY

CONVEX GRATE

FOR SIDE RETAINING WALL

SEE GRADING PLAN

FOR SLAB ELEVATION

1'-0"

SEE ARCHITECTURAL DRAWINGS FOR RAILING DETAILS ----

#4 X 1'-4" @ 12"—

TREAD

NO. OF RISERS

NOT TO SCALE

NOT TO SCALE

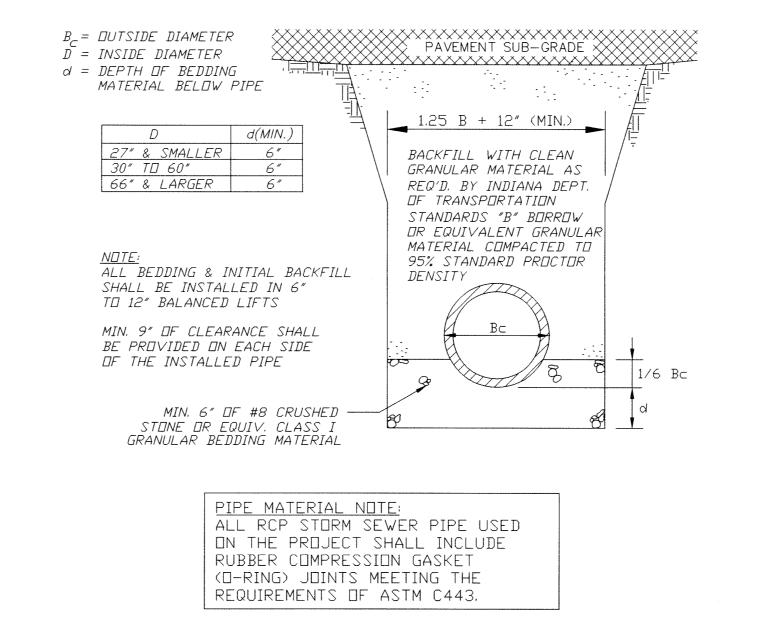
STAIR SECTION W/VARING

-SLOPE TREAD 1/4"

SEE GRADING PLAN

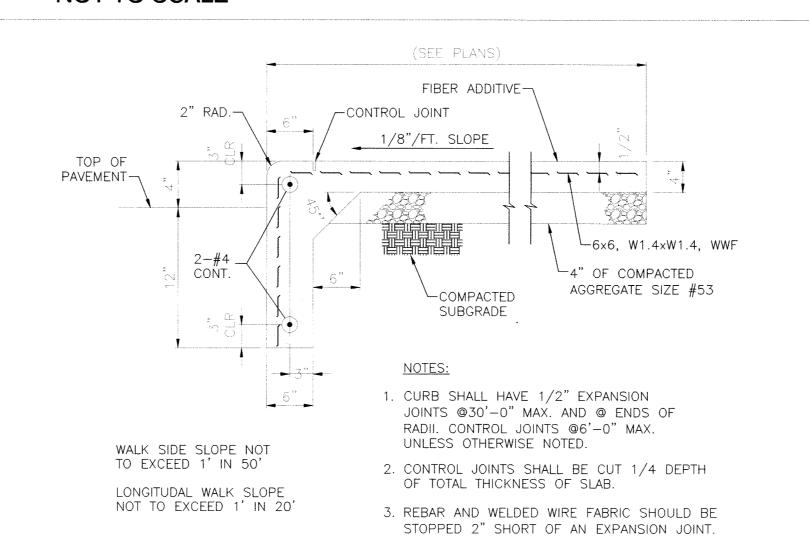
FOR SLAB ELEVATION-

SPACE RISERS EQUALLY

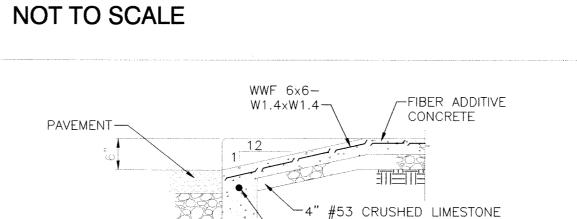


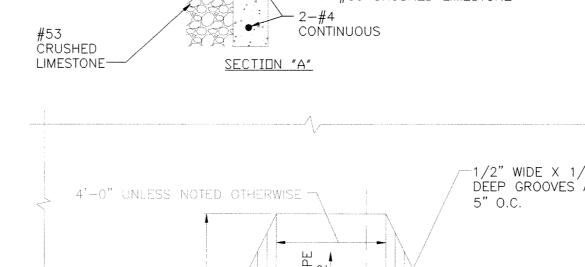
REINFORCED CONCRETE PIPE (RCP) AND **DUCTILE IRON PIPE TRENCH DETAIL**

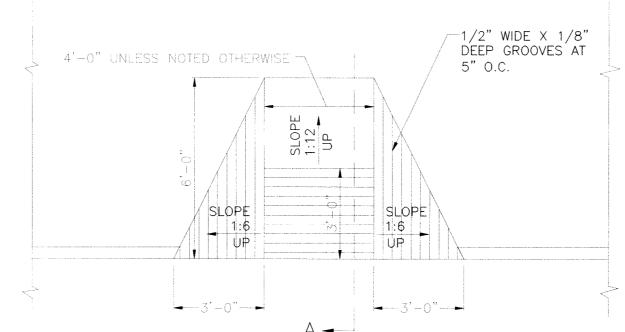
WITHIN 5' OF EDGE OF PAVEMENT NOT TO SCALE



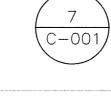
MONOLITHIC CURB & SIDEWALK



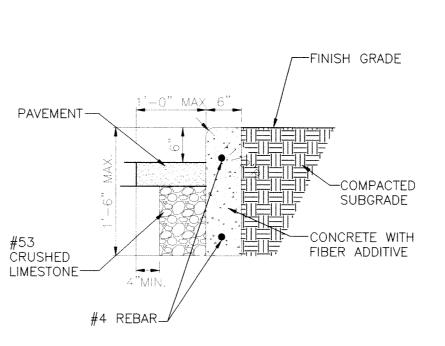




HANDICAP RAMP NOT TO SCALE

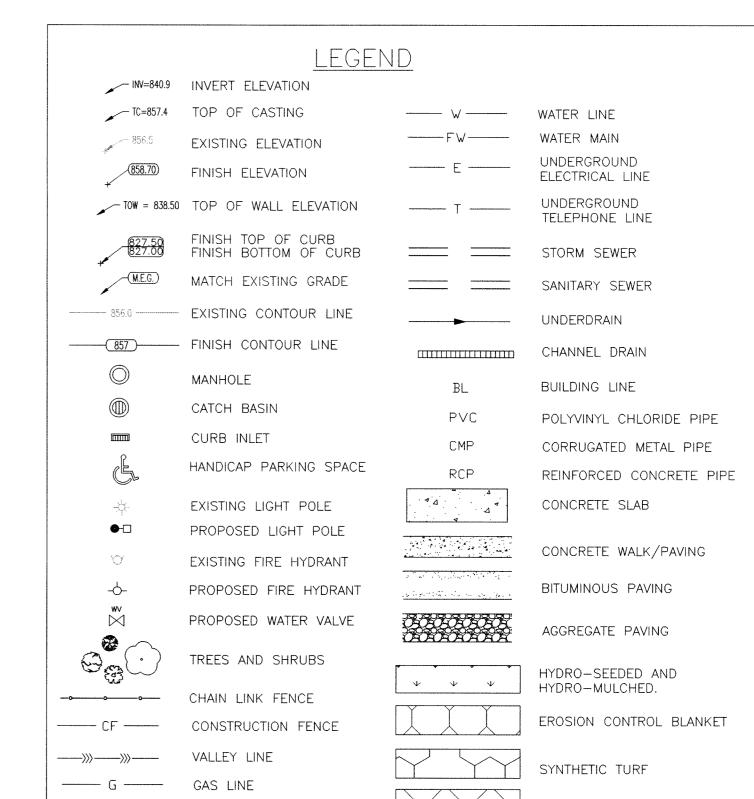


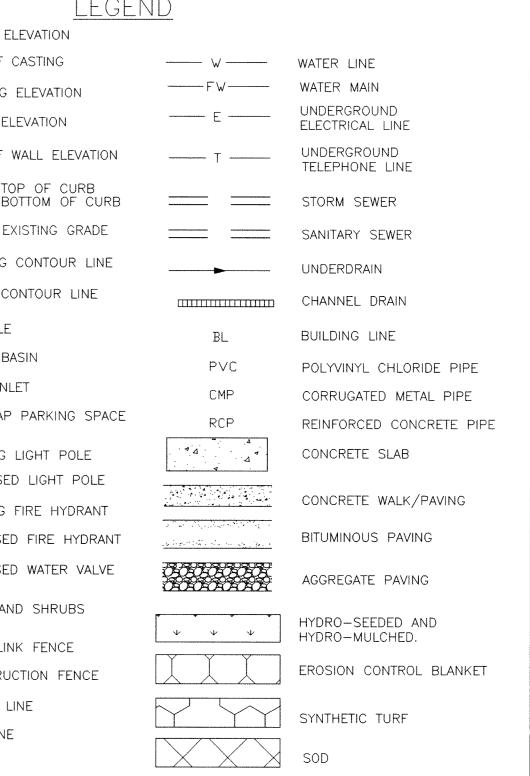
(C-001)



NOT TO SCALE







GIBRALTAR

DESIGN

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IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

LAWRENCE CENTRAL HIGH SCHOOL

GIBRALTAR DESIGN

Phone 317.580.5777 Fax 317.580.57

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08-611

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CHECKED BY

OORDINATED BY

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Email info@GibraltarDesign.co

STATE OF

MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

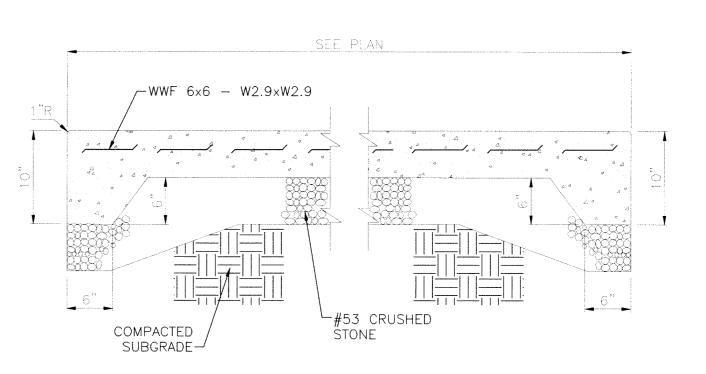
SCHOOL

RELATED

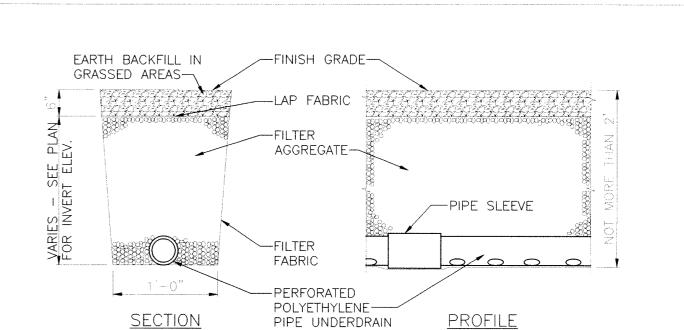
WORK

AND

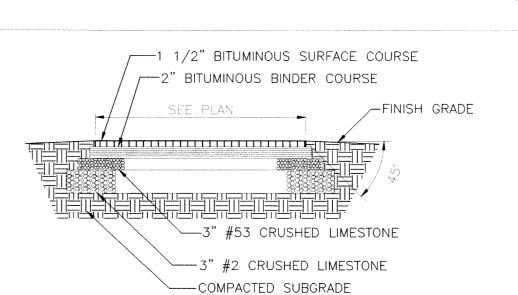
SITE



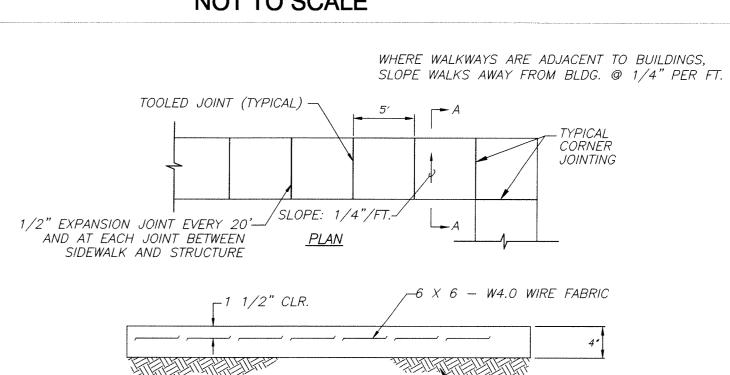
4" CONCRETE SLAB DETAIL NOT TO SCALE



UNDERDRAIN DETAIL NOT TO SCALE



PAVEMENT DETAIL **MEDIUM DUTY** NOT TO SCALE



COMPACTED SUBGRADE, (TYP.) 1. CONCRETE FOR SIDEWALKS TO BE CLASS B (3000 psi). 2. CONTRACTOR SHALL COMPACT EXISTING SUBGRADE AS REQUIRED FOR A FIRM, LEVEL SURFACE.

SIDEWALK DETAIL

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

4 $\left(C-001\right)$

SANDBAG SEDIMENT BARRIER

C - 001

SAND BAG SEDIMENT BARRIER

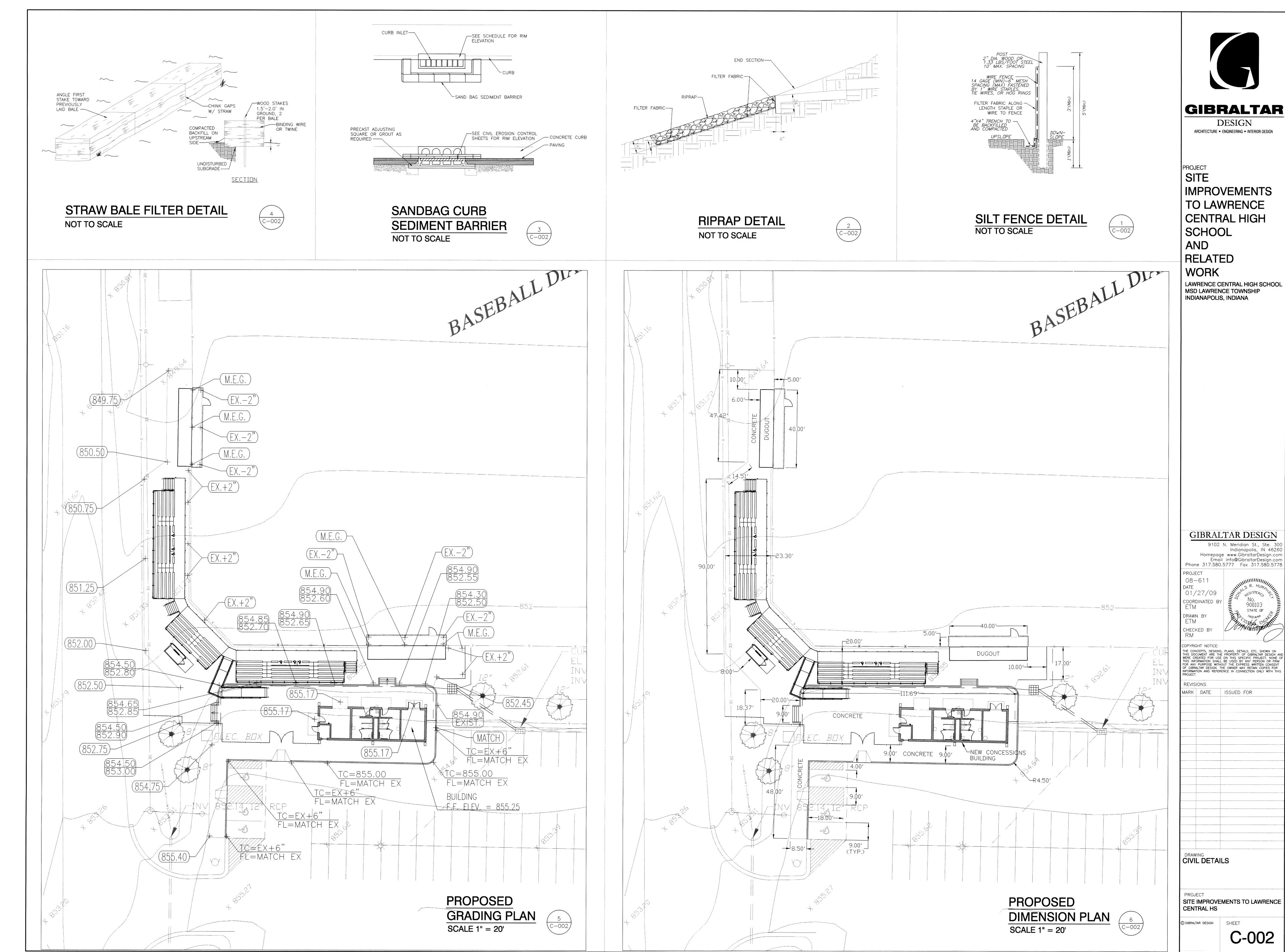
6" STRAIGHT BACK CURB DETAIL

(C-001)

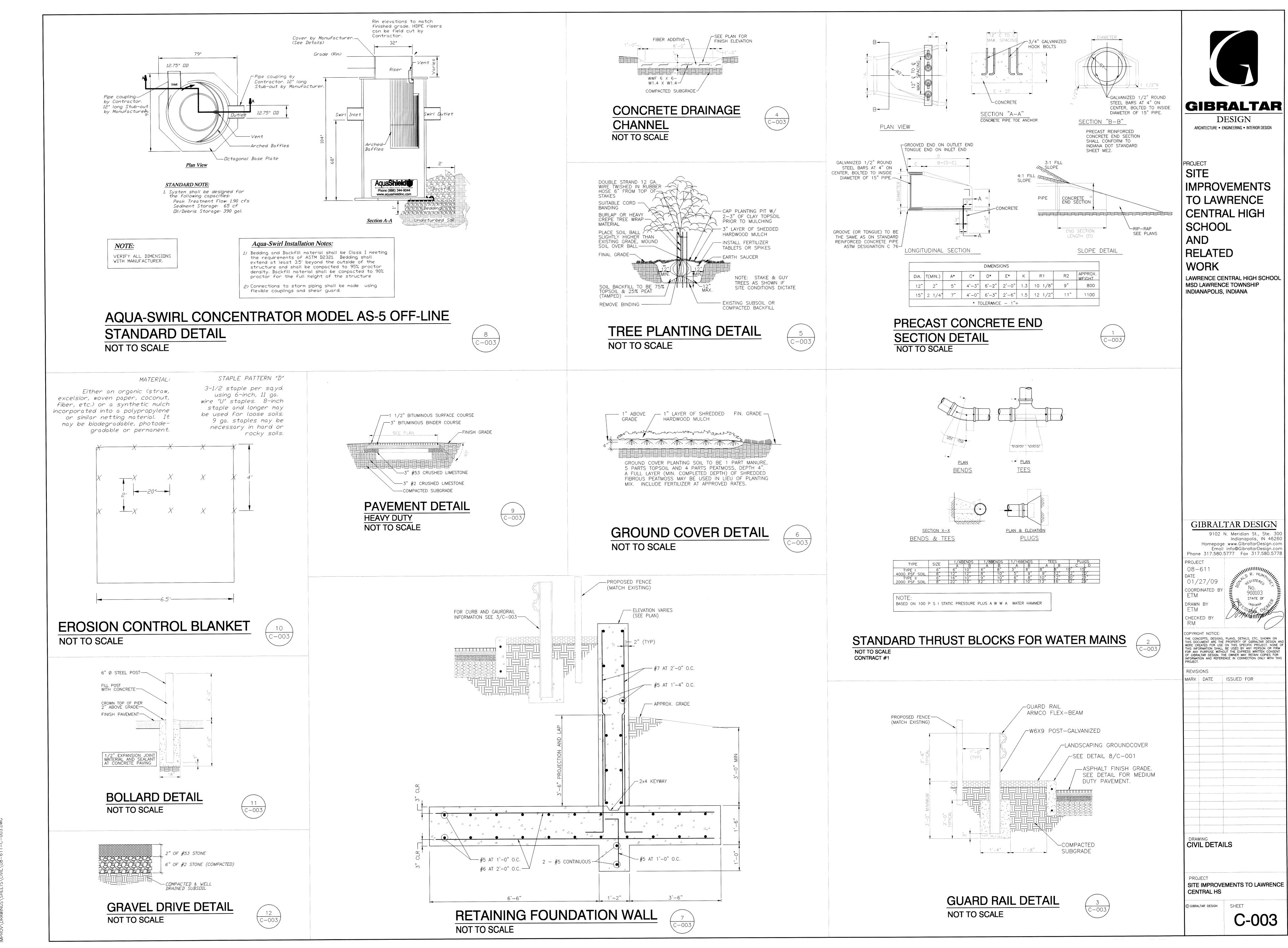
NOT TO SCALE

) GIBRALTAR DESIGN C-001

DRAWING CIVIL DETAILS



C-002



75 Suisaeuibua usasea for patuis de pricontractives exicontractives existented patricularity site



GIBRALTAR

IMPROVEMENTS TO LAWRENCE **CENTRAL HIGH**

FORESIGHT ENGINEERING Civil Engineers & Land Surveyors 1099 N. MERIDIAN ST., SUITE 900

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STATE OF Jack J. Xetterny

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MARK DATE ISSUED FOR

SITE IMPROVEMENTS TO LAWRENCE

CS101



EX12111	NG LEGEND
گر	HANDCAP MARKING
-o-	SIGN
\bigcirc	SANITARY MANHOLE
\bigcirc	STORM MANHOLE
	BEEHIVE INLET
	GRATE INLET
	CURB INLET
E	ELECTRIC MANHOLE
	POWER POLE
	LIGHT POLE
T	TELEPHONE MANHOLE
T	TELEPHONE PEDESTAL
TR	TRAFFIC MANHOLE
G	GAS METER
₩ W	GAS VALVE
W	WATER METER
₩ ∨	WATER VALVE
\bigcirc	FIRE HYDRANT
⊗ Ø	FIRE HYDRANT & VAL
S	SANITARY SEWER
TZ	STORM SEWER
	OVERHEAD ELECTRIC
——— BE ———	BURIED ELECTRIC
BT	BURIED TELEPHONE
G	GAS LINE
	WATER LINE
X	FENCE
	GUARDRAIL
1000	EX. SPOT ELEVATION
27%	

TREE

LVE

TORESIGHT ENGINEERING
Civil Engineers & Land Surveyors
1099 N. MERIDIAN ST., SUITE 900
Indianapolis, Indiana 46204
317-917-4250

GIBRALTAR

DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

SCHOOL

RELATED

WORK

SITE

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08-611 COORDINATED BY ETM

DRAWN BY CHECKED BY RM

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REVISIONS MARK DATE ISSUED FOR

DRAWING CIVIL SITE SURVEY

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

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BENCH MARK DATA

General coordinates: 5600N & 9000E General coordinates: 5600N & 9000E

Sec. 6-17-5: A Government Benchmark, a granite monument, 0.2 miles

W of Post Road, 0.4 miles N of E. 56th Street at Fort Benjamin Harrison,
150' W of Lawton Loop E. Dr. and 13' N of the centerline of Funston Drive.

TBM #1 - A painted "X" in the North bonnet bolt of the fire hydrant southeast of the school building, ELEV. 854,17

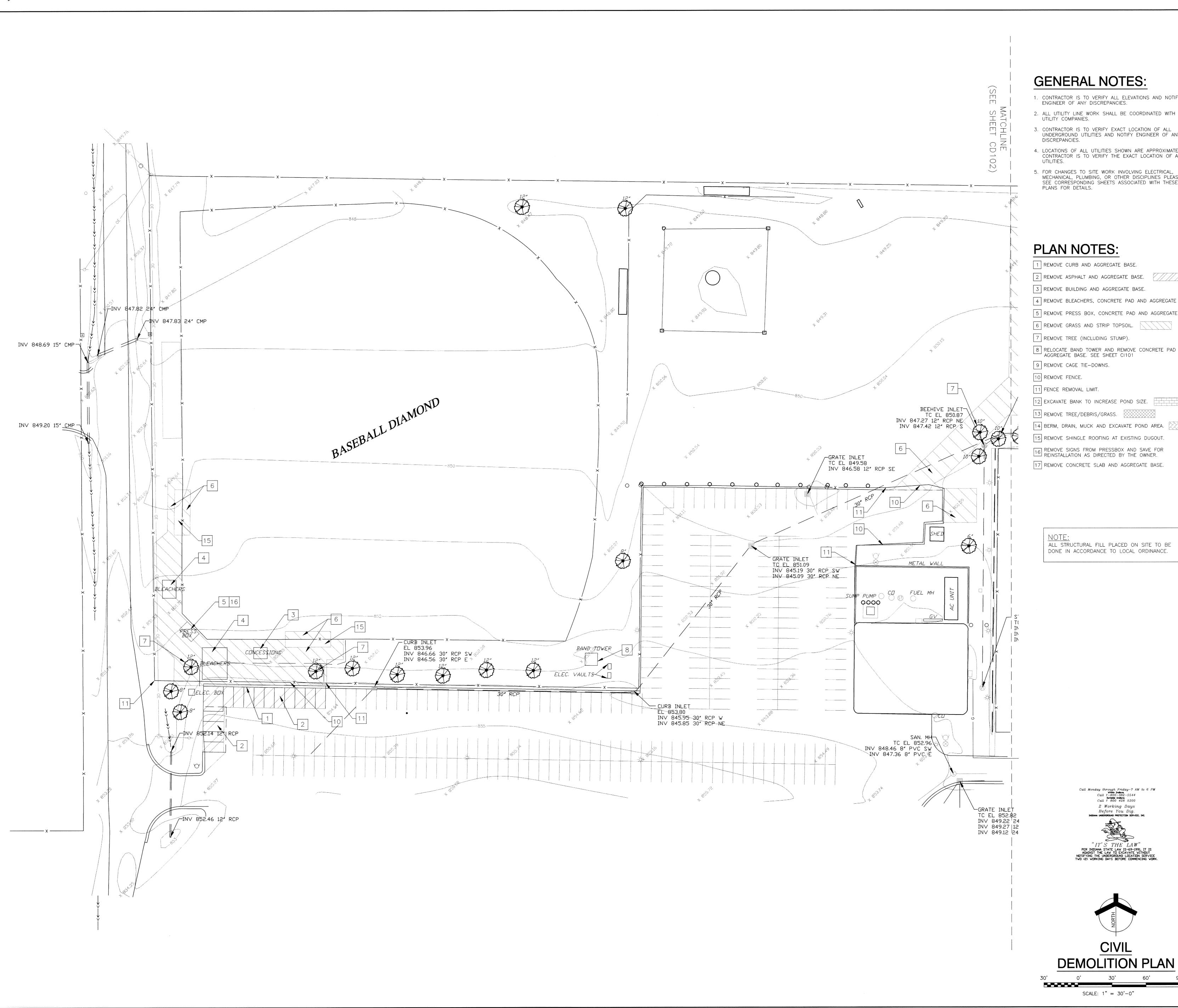
TBM #2 - A painted "X" in the North bonnet bolt of the fire hydrant northeast of the school building. ELEV. 858.38

The locations of existing underground utilities shown on this plan are based on above ground evidence only, including, but not limited to, manholes, meters, values, and marks made by others.

FLOOD HAZARD STATEMENT:

This is to certify that the subject property lies in Flood Hazard Area Zone "X". The precision is subject to map scale uncertainty and to any other uncertainty in location or elevation on Community Panel No. 18097C 0160E of the Flood Insurance Rate Maps, effective date January 5, 2001.







- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- 3. CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY
- 4. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL
- 5. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE

PLAN NOTES:

1 REMOVE CURB AND AGGREGATE BASE.

2 REMOVE ASPHALT AND AGGREGATE BASE.

4 REMOVE BLEACHERS, CONCRETE PAD AND AGGREGATE BASE.

5 REMOVE PRESS BOX, CONCRETE PAD AND AGGREGATE BASE.

7 REMOVE TREE (INCLUDING STUMP).

- 8 RELOCATE BAND TOWER AND REMOVE CONCRETE PAD AND AGGREGATE BASE. SEE SHEET CI101
- 9 REMOVE CAGE TIE-DOWNS.
- 11 FENCE REMOVAL LIMIT.
- 12 EXCAVATE BANK TO INCREASE POND SIZE.
- 13 REMOVE TREE/DEBRIS/GRASS.
- 14 BERM, DRAIN, MUCK AND EXCAVATE POND AREA.
- 15 REMOVE SHINGLE ROOFING AT EXISTING DUGOUT.
- REMOVE SIGNS FROM PRESSBOX AND SAVE FOR REINSTALLATION AS DIRECTED BY THE OWNER.
- 17 REMOVE CONCRETE SLAB AND AGGREGATE BASE.

ALL STRUCTURAL FILL PLACED ON SITE TO BE DONE IN ACCORDANCE TO LOCAL ORDINANCE.

2 Working Days

Before You Dig.

INDIANA UNDERGROUND PROTECTION SERVICE, INC.

"IT'S THE LAW"

CIVIL

SCALE: 1" = 30' - 0"

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IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

LAWRENCE CENTRAL HIGH SCHOOL
MSD LAWRENCE TOWNSHIP

SCHOOL

RELATED

INDIANAPOLIS, INDIANA

WORK

AND

PROJECT

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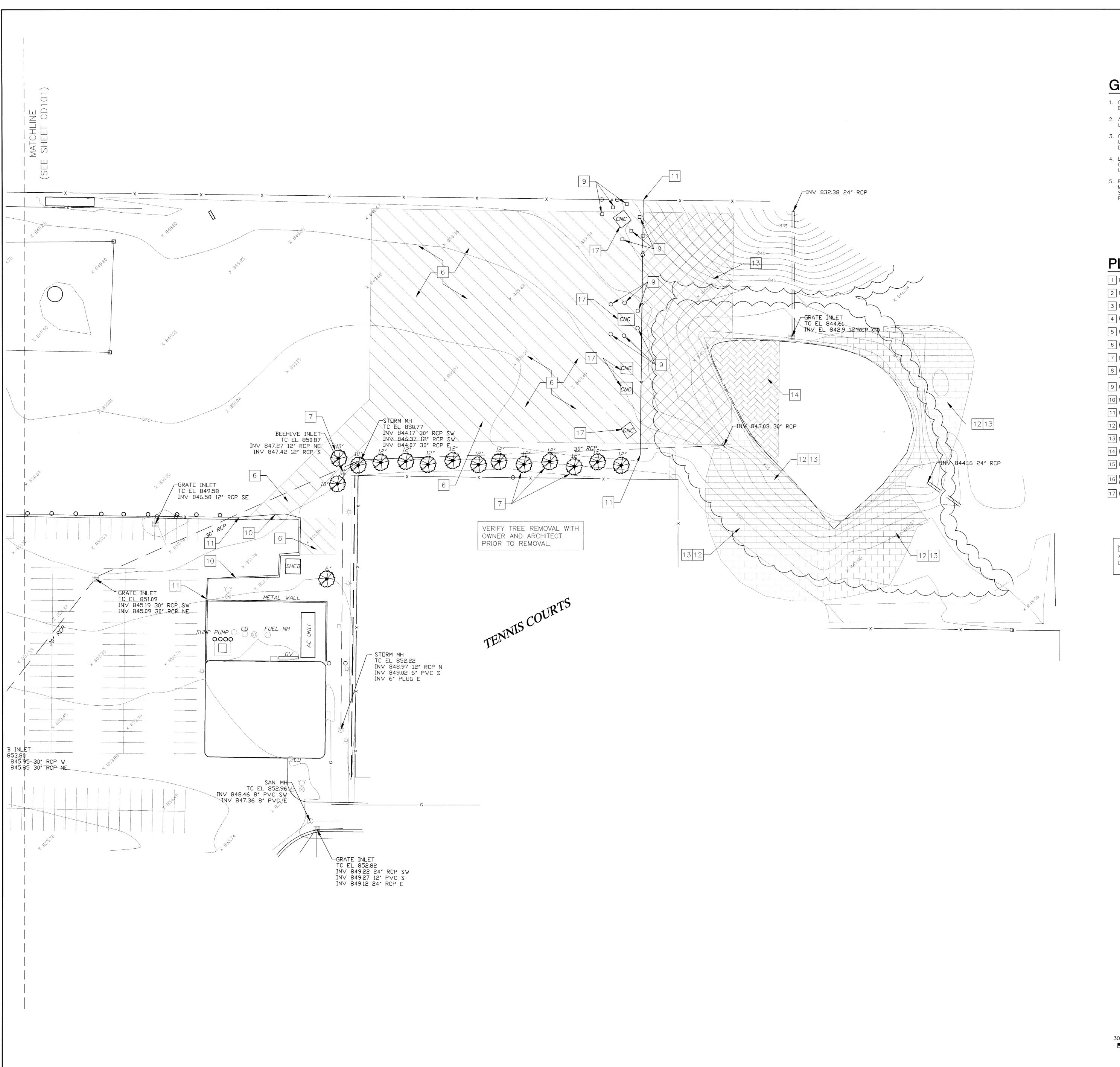
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MARK DATE ISSUED FOR

DRAWING CIVIL DEMOLITION PLAN

SITE IMPROVEMENTS TO LAWRENCE

CD101





CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

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- 5. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

PLAN NOTES:

- 1 REMOVE CURB AND AGGREGATE BASE.
- 2 REMOVE ASPHALT AND AGGREGATE BASE. 3 REMOVE BUILDING AND AGGREGATE BASE.
- 4 REMOVE BLEACHERS, CONCRETE PAD AND AGGREGATE BASE.
- 5 REMOVE PRESS BOX, CONCRETE PAD AND AGGREGATE BASE.
- 6 REMOVE GRASS AND STRIP TOPSOIL.
- 7 REMOVE TREE (INCLUDING STUMP).
- 8 RELOCATE BAND TOWER AND REMOVE CONCRETE PAD AND AGGREGATE BASE. SEE SHEET CI101
- 9 REMOVE CAGE TIE-DOWNS.
- 10 REMOVE FENCE.
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- REMOVE SIGNS FROM PRESSBOX AND SAVE FOR REINSTALLATION AS DIRECTED BY THE OWNER.
- 17 REMOVE CONCRETE SLAB AND AGGREGATE BASE.

ALL STRUCTURAL FILL PLACED ON SITE TO BE DONE IN ACCORDANCE TO LOCAL ORDINANCE.

Call Monday through Friday-7 AM to 6 PM
Vithin Indiana
Call 1-800-382-5544
Durtside Indiana
Call 1 800 428 5200

2 Working Days

Before You Dig. INDIANA UNDERGROUND PROTECTION SERVICE, INC.

"IT'S THE LAW"

PER INDIANA STATE LAW IS-69-1991, IT IS
AGAINST THE LAW TO EXCAVATE WITHOUT
NOTIFYING THE UNDERGROUND LOCATION SERVICE
TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

CIVIL

DEMOLITION PLAN

SCALE: 1" = 30'-0"



GIBRALTAR

DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT SITE **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH SCHOOL** AND RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 30 Indianapolis, IN 46260

Homepage www.GibraltarDesign.com Email info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778 PROJECT 08-611 01/27/09

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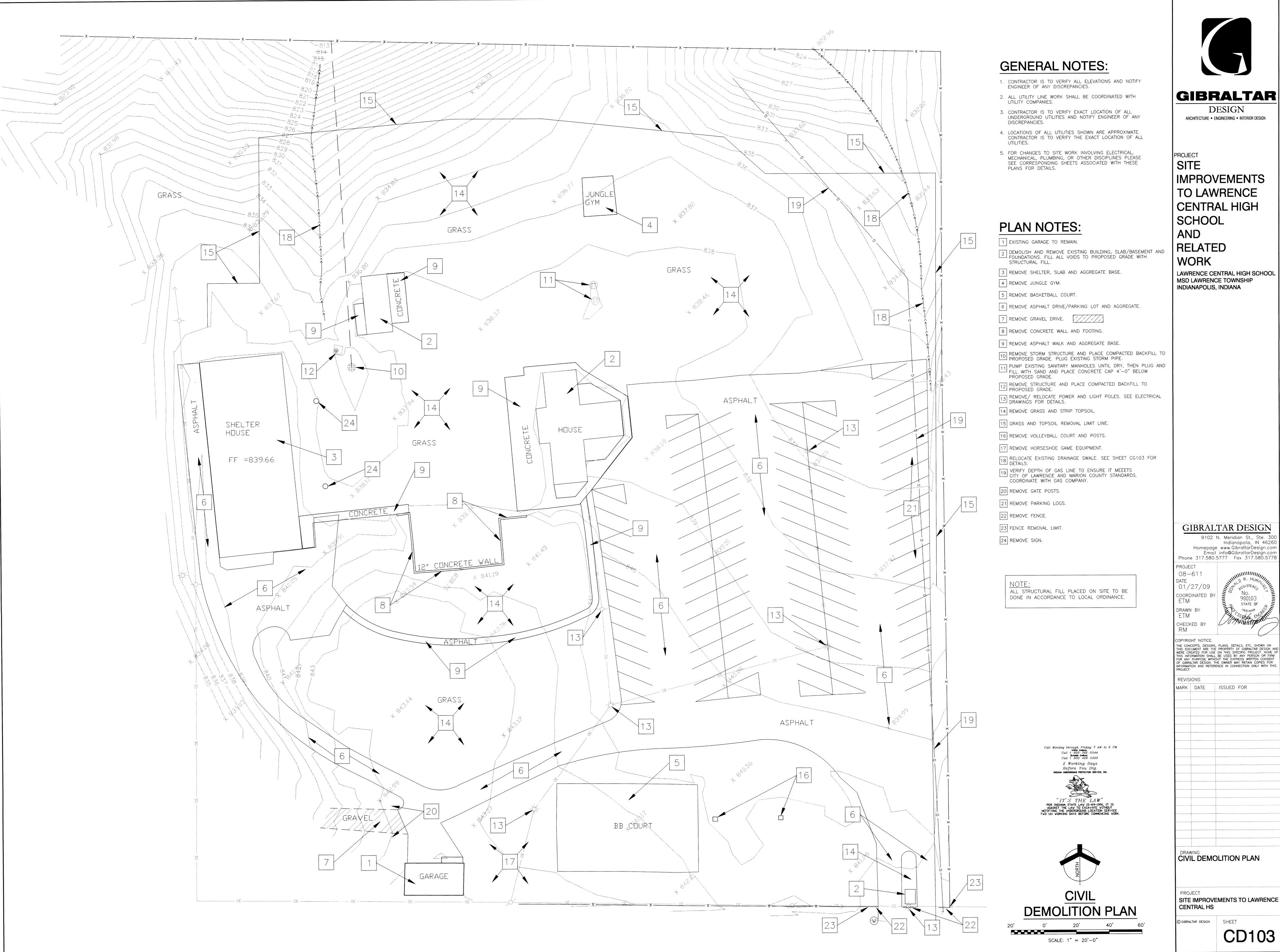
REVISIONS MARK DATE ISSUED FOR

DRAWING CIVIL DEMOLITION PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

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CD102



DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS TO LAWRENCE CENTRAL HIGH SCHOOL RELATED

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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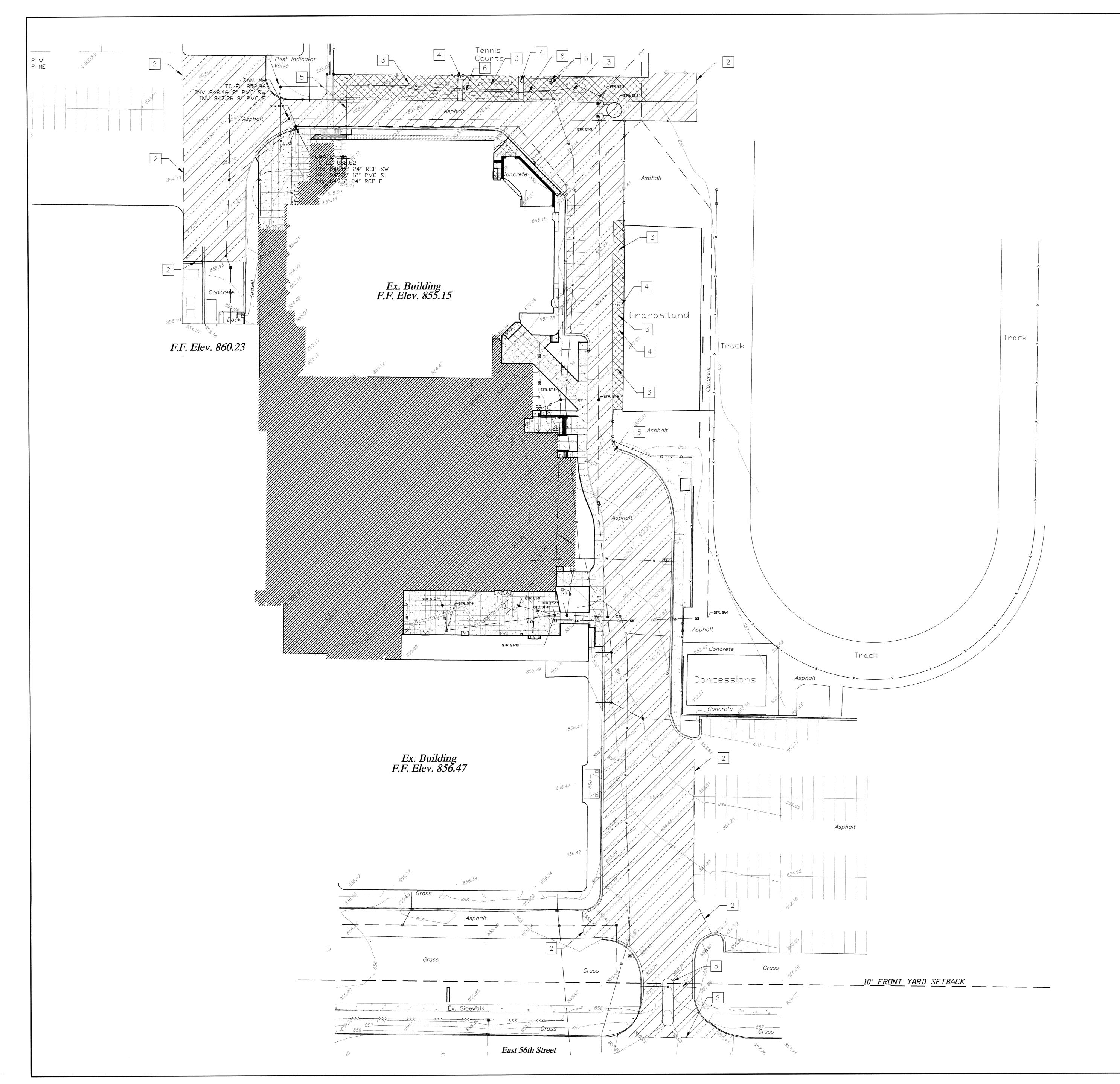
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CIVIL DEMOLITION PLAN

SITE IMPROVEMENTS TO LAWRENCE

CD103



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- FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

PLAN NOTES:

REMOVE ASPHALT AND REGRADE/COMPACT AGGREGATE BASE.

2 PAVEMENT REMOVAL LIMIT.

3 REMOVE GRASS AND STRIP TOPSOIL.

4 REMOVE CONCRETE SIDEWALK.

5 GATE, ISLAND, FIRE HYDRANT AND WATER FIXTURE TO REMAIN.

6 REMOVE EXISTING CULVERT PIPE.



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PROJECT SITE IMPROVEMENTS TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 30 Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 08-611 coordinated e DRAWN BY

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DRAWING CIVIL DEMOLITION PLAN

PROJECT
SITE IMPROVEMENTS TO LAWRENCE
CENTRAL HS

©GIBRALTAR DESIGN SHEET CD104

DEMOLITION PLAN SCALE: 1" = 30'-0"

CIVIL

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Vithin Indiana.

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Durtside Indiana.

Call 1-800-428-5200

2 Working Days Before You Dig. INDIANA UNDERGROUND PROTECTION SERVICE, INC.

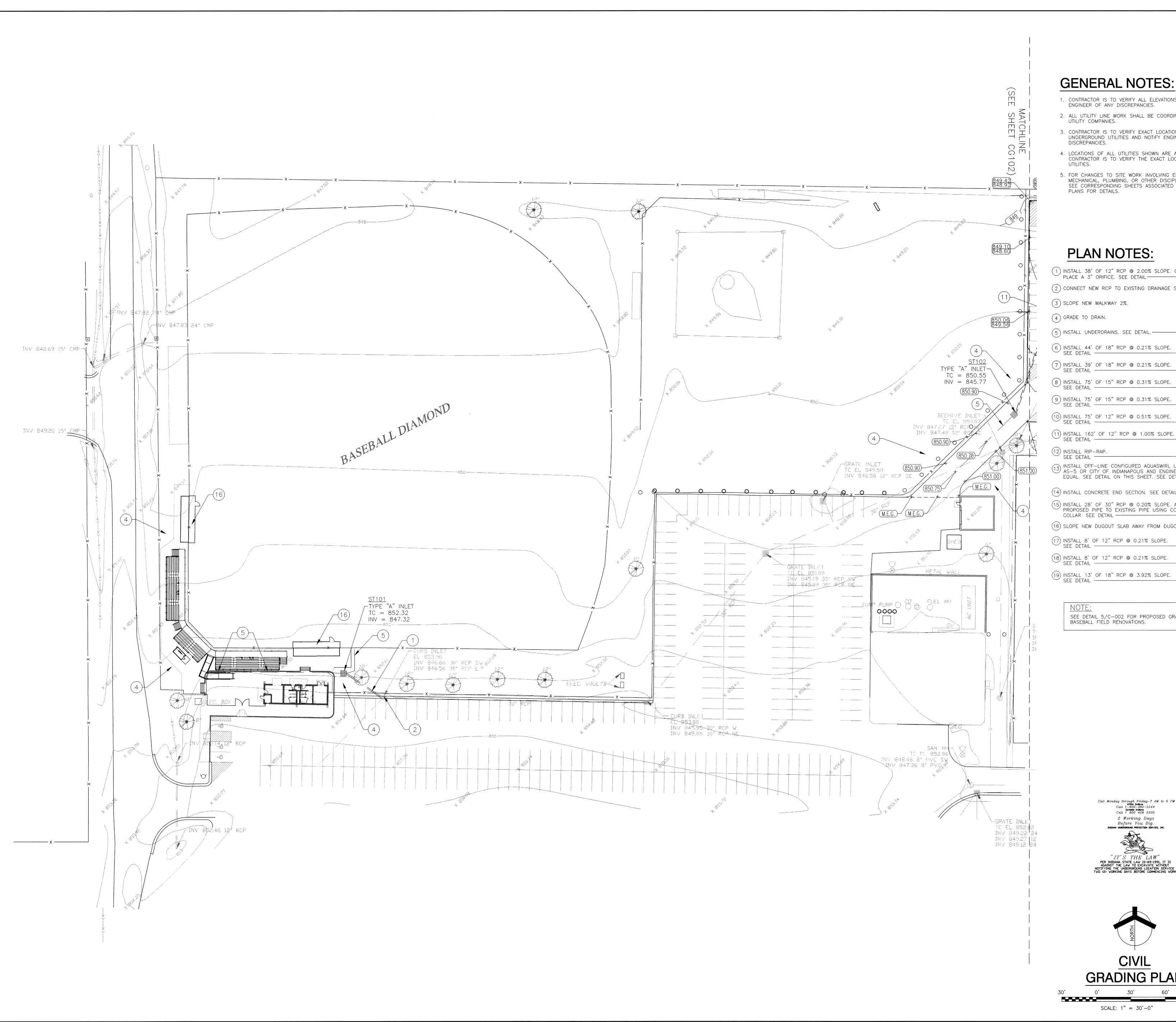
"IT'S THE LAW"

PER INDIANA STATE LAW IS-69-1991, IT IS

AGAINST THE LAW TO EXCAVATE WITHOUT

NOTIFYING THE UNDERGROUND LOCATION SERVICE

TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



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- 2. ALL UTILITY LINE WORK SHALL BE COORDINATED WITH
- 3. CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY
- 4. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL
- 5. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

PLAN NOTES:

- 1) INSTALL 38' OF 12" RCP @ 2.00% SLOPE. GROUT IN PLACE A 3" ORIFICE. SEE DETAIL (2) CONNECT NEW RCP TO EXISTING DRAINAGE STRUCTURE.
- 3 SLOPE NEW WALKWAY 2%.
- (4) GRADE TO DRAIN.
- (5) INSTALL UNDERDRAINS. SEE DETAIL.— (6) INSTALL 44' OF 18" RCP @ 0.21% SLOPE. SEE DETAIL ----(7) INSTALL 39' OF 18" RCP @ 0.21% SLOPE.
- SEE DETAIL ----(8) INSTALL 75' OF 15" RCP @ 0.31% SLOPE. SEE DETAIL ----
- (10) INSTALL 75' OF 12" RCP @ 0.51% SLOPE.
- SEE DETAIL ---(12) INSTALL RIP-RAP.
- 13 INSTALL OFF-LINE CONFIGURED AQUASWIRL UNIT MODEL
 AS-5 OR CITY OF INDIANAPOLIS AND ENGINEER APPROVED
 EQUAL. SEE DETAIL ON THIS SHEET. SEE DETAIL.
- (14) INSTALL CONCRETE END SECTION. SEE DETAIL —
- 15) INSTALL 28' OF 30" RCP @ 0.20% SLOPE. ATTACH PROPOSED PIPE TO EXISTING PIPE USING CONCRETE COLLAR. SEE DETAIL (16) SLOPE NEW DUGOUT SLAB AWAY FROM DUGOUT AT 2%.
- 17) INSTALL 8' OF 12" RCP @ 0.21% SLOPE. SEE DETAIL
- 18) INSTALL 8' OF 12" RCP @ 0.21% SLOPE. SEE DETAIL
- (19) INSTALL 13' OF 18" RCP @ 3.92% SLOPE. SEE DETAIL -

NOTE:	
SEE DETAIL 5/C-002 FOR PROPOSED GRADING BASEBALL FIELD RENOVATIONS.	0



GIBRALTAR

DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

LAWRENCE CENTRAL HIGH SCHOOL

MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

PROJECT

SITE

SCHOOL

RELATED

AND

9102 N. Meridian St., Ste. 30 Indianapolis, IN 46260 Homepage www.GibraltarDesign.com Email info@GibraltarDesign.com

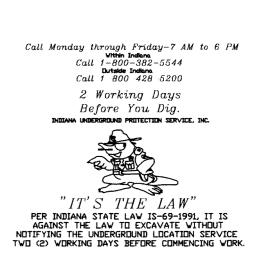
Phone 317.580.5777 Fax 317.580.5778 PROJECT 08-611 COORDINATED BY

DRAWN BY CHECKED BY

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STATE OF

MARK DATE ISSUED FOR





GRADING PLAN

SCALE: 1" = 30' - 0"

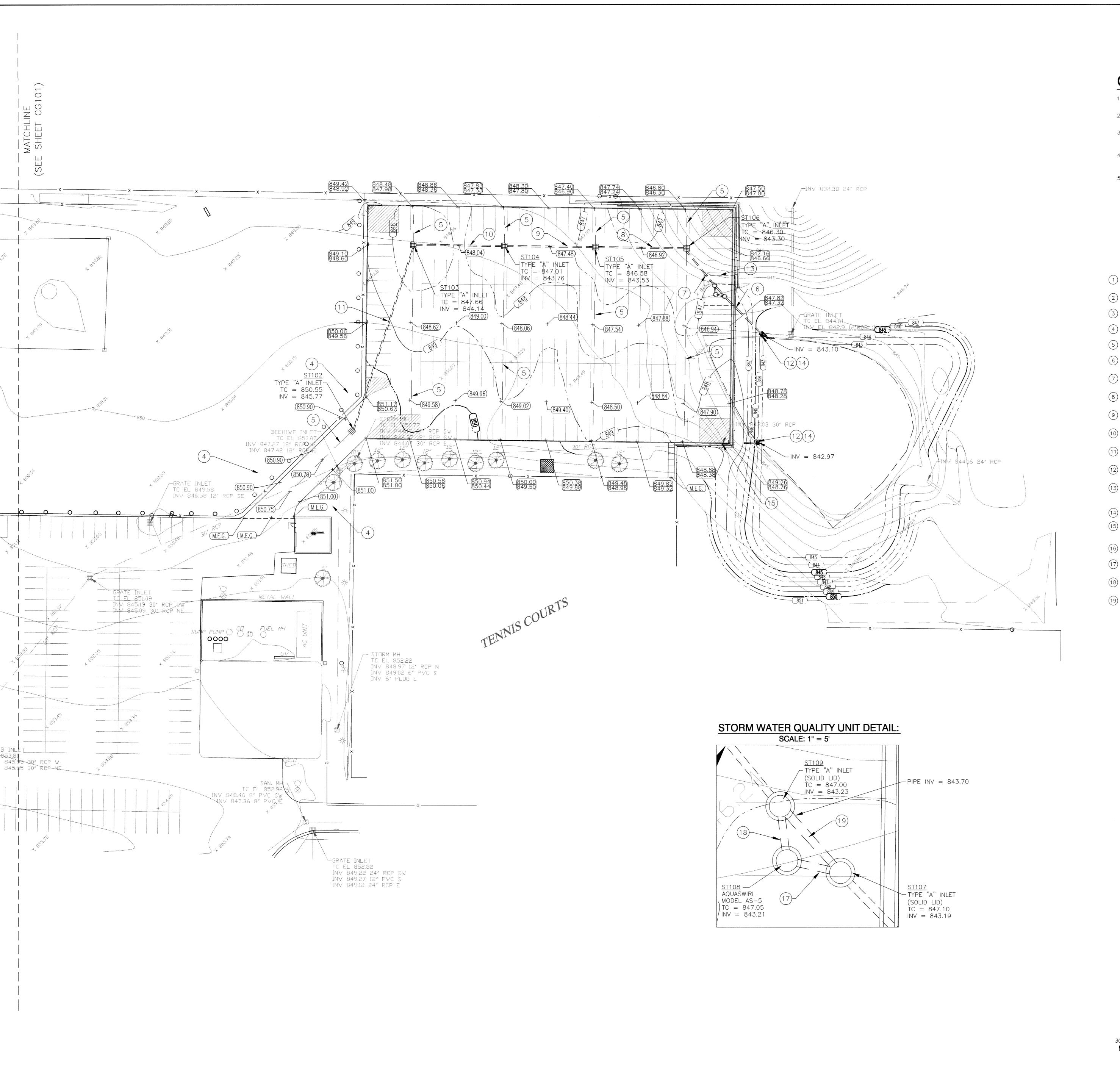
GIBRALTAR DESIGN SHEET

CIVIL GRADING PLAN

CENTRAL HS

CG101

SITE IMPROVEMENTS TO LAWRENCE



- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
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PLAN NOTES:

- (2) CONNECT NEW RCP TO EXISTING DRAINAGE STRUCTURE.
- (3) SLOPE NEW WALKWAY 2%.

(4) GRADE TO DRAIN.

- 6 INSTALL 44' OF 18" RCP @ 0.21% SLOPE. SEE DETAIL
- 7 INSTALL 39' OF 18" RCP @ 0.21% SLOPE.
 SEE DETAIL

- (12) INSTALL RIP-RAP.
- 13 INSTALL OFF-LINE CONFIGURED AQUASWIRL UNIT MODEL AS-5 OR CITY OF INDIANAPOLIS AND ENGINEER APPROVED EQUAL. SEE DETAIL ON THIS SHEET. SEE DETAIL.

- (16) SLOPE NEW DUGOUT SLAB AWAY FROM DUGOUT AT 2%.

Call Monday through Friday-7 AM to 6 PM
Within Indiana.
Call 1-800-382-5544
Durside Indiana
Call 1 800 428 5200

2 Working Days Before You Dig.

INDIANA UNDERGROUND PROTECTION SERVICE, INC.

"IT'S THE LAW"

PER INDIANA STATE LAW IS-69-1991, IT IS

AGAINST THE LAW TO EXCAVATE WITHOUT

NOTIFYING THE UNDERGROUND LOCATION SERVICE

TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

CIVIL

GRADING PLAN

SCALE: 1" = 30' - 0"

- (18) INSTALL 8' OF 12" RCP @ 0.21% SLOPE. SEE DETAIL _____
- (19) INSTALL 13' OF 18" RCP @ 3.92% SLOPE.
 SEE DETAIL

- 1) INSTALL 38' OF 12" RCP @ 2.00% SLOPE. GROUT IN PLACE A 3" ORIFICE. SEE DETAIL

- (5) INSTALL UNDERDRAINS. SEE DETAIL.—
- 8 INSTALL 75' OF 15" RCP @ 0.31% SLOPE. SEE DETAIL
- 9 INSTALL 75' OF 15" RCP @ 0.31% SLOPE. SEE DETAIL
- 10) INSTALL 75' OF 12" RCP @ 0.51% SLOPE. SEE DETAIL
- 11) INSTALL 162' OF 12" RCP @ 1.00% SLOPE.
 SEE DETAIL
- ´ SEE DETAIL ----
- (14) INSTALL CONCRETE END SECTION. SEE DETAIL -
- 15) INSTALL 28' OF 30" RCP @ 0.20% SLOPE. ATTACH PROPOSED PIPE TO EXISTING PIPE USING CONCRETE COLLAR. SEE DETAIL

GIBRALTAR DESIGN

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GIBRALTAR

DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP

SCHOOL

RELATED

INDIANAPOLIS, INDIANA

WORK

AND

PROJECT

SITE

PROJECT 08-611

COORDINATED B DRAWN BY

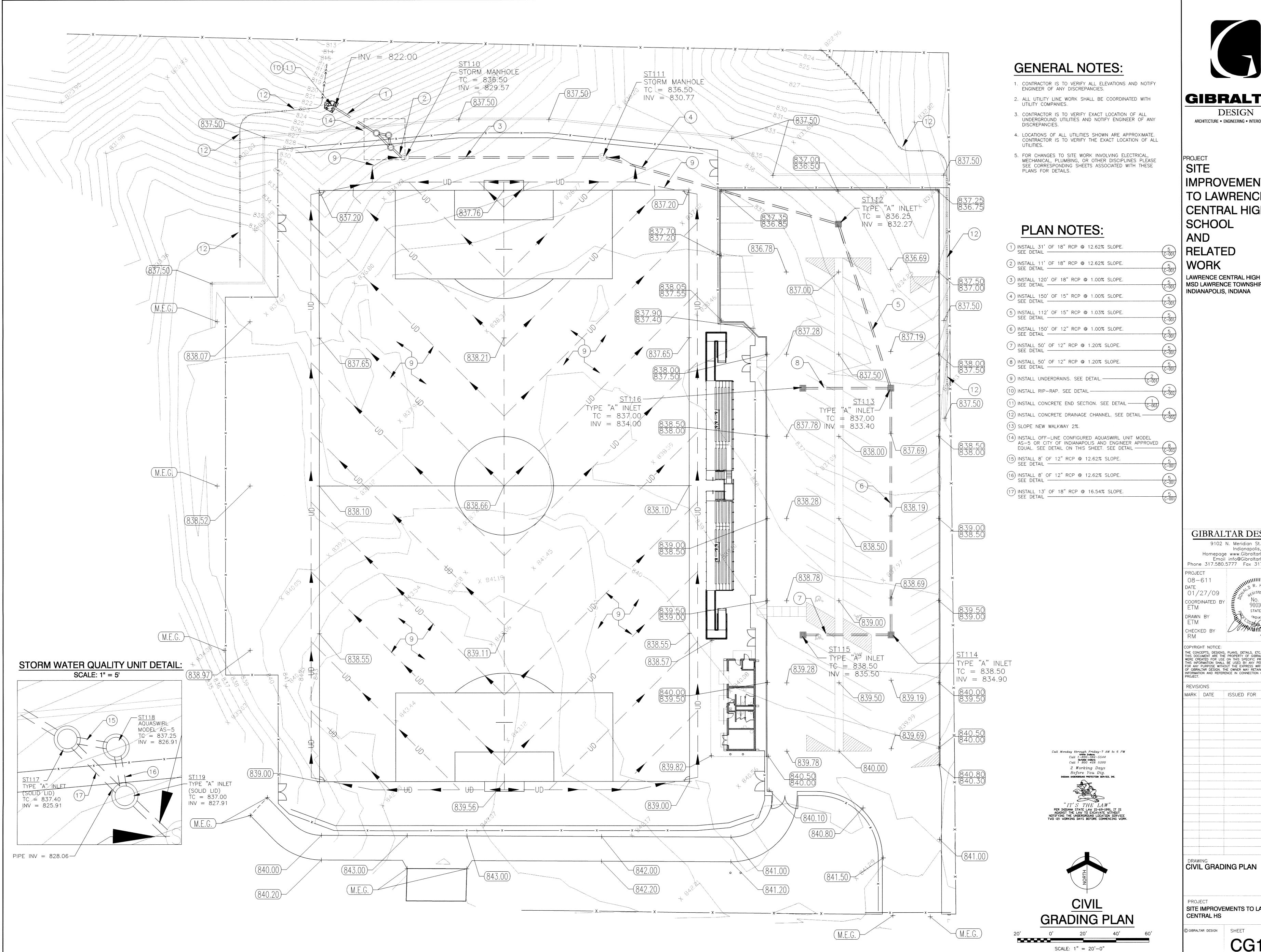
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MARK DATE ISSUED FOR

DRAWING CIVIL GRADING PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

CG102



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DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS TO LAWRENCE **CENTRAL HIGH**

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 30 Indianapolis, IN 46260

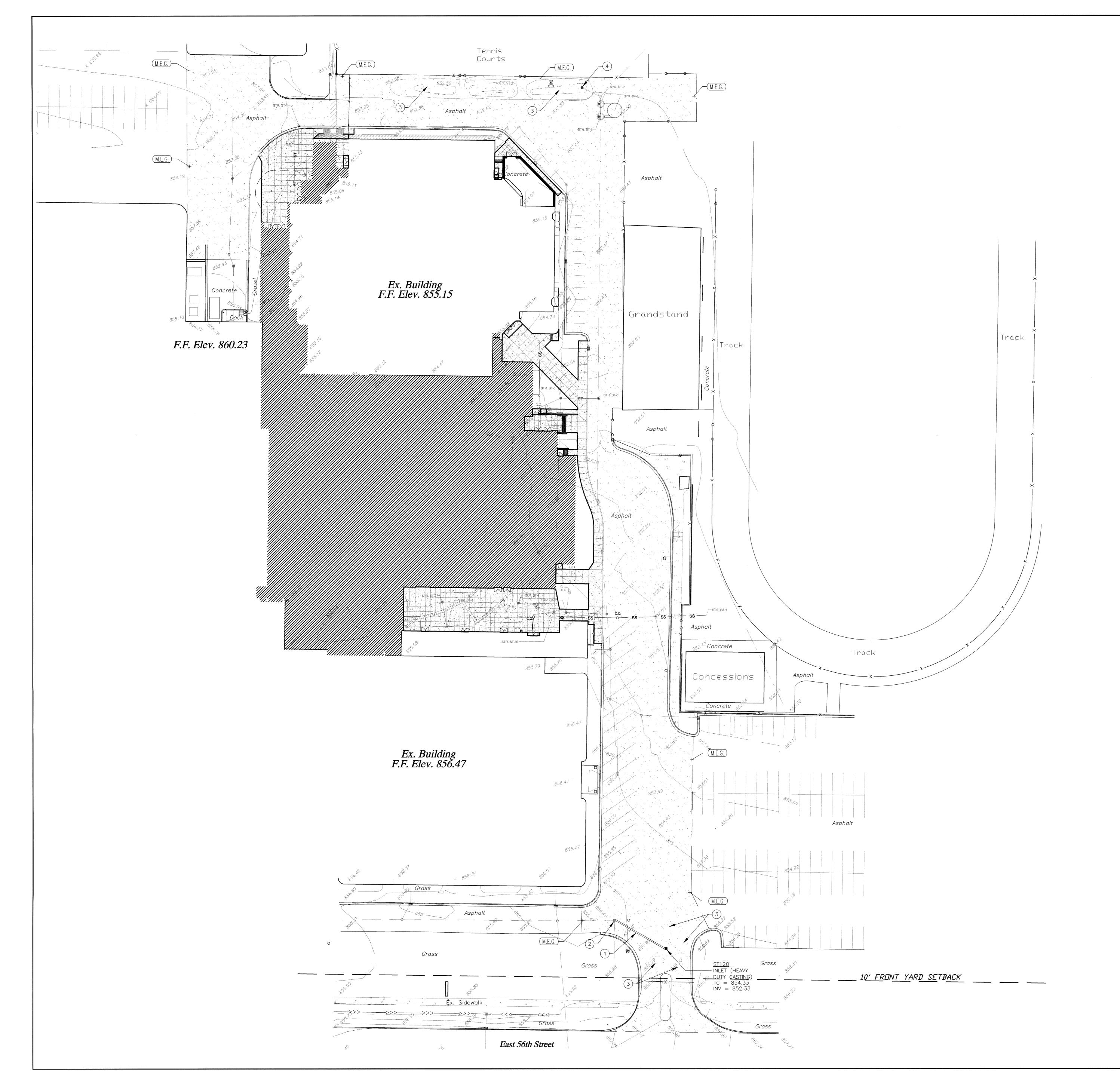
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MARK DATE ISSUED FOR

SITE IMPROVEMENTS TO LAWRENCE

CG103



 CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

- ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
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PLAN NOTES:

1) INSTALL 50' OF 6" PVC @ 0.20% SLOPE. SEE DETAIL ON THIS SHEET.

2 CONNECT NEW PVC TO EXISTING DRAINAGE STRUCTURE.3 GRADE TO DRAIN.

RAISE CASTING TO ELEVATION TC=852.19' AND REPLACE BEEHIVE CASTING WITH HEAVY DUTY FLAT GRATE CASTING.

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PROJECT
SITE
IMPROVEMENTS
TO LAWRENCE
CENTRAL HIGH
SCHOOL
AND
RELATED
WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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Indianapolis, IN 46260

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PROJECT

08-611

DATE
01/27/09

COORDINATED BY
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REVISIONS

MARK DATE ISSUED FOR

DRAWING CIVIL GRADING PLAN

PROJECT
SITE IMPROVEMENTS TO LAWRENCE
CENTRAL HS

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CG104

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CIVIL GRADING PLAN

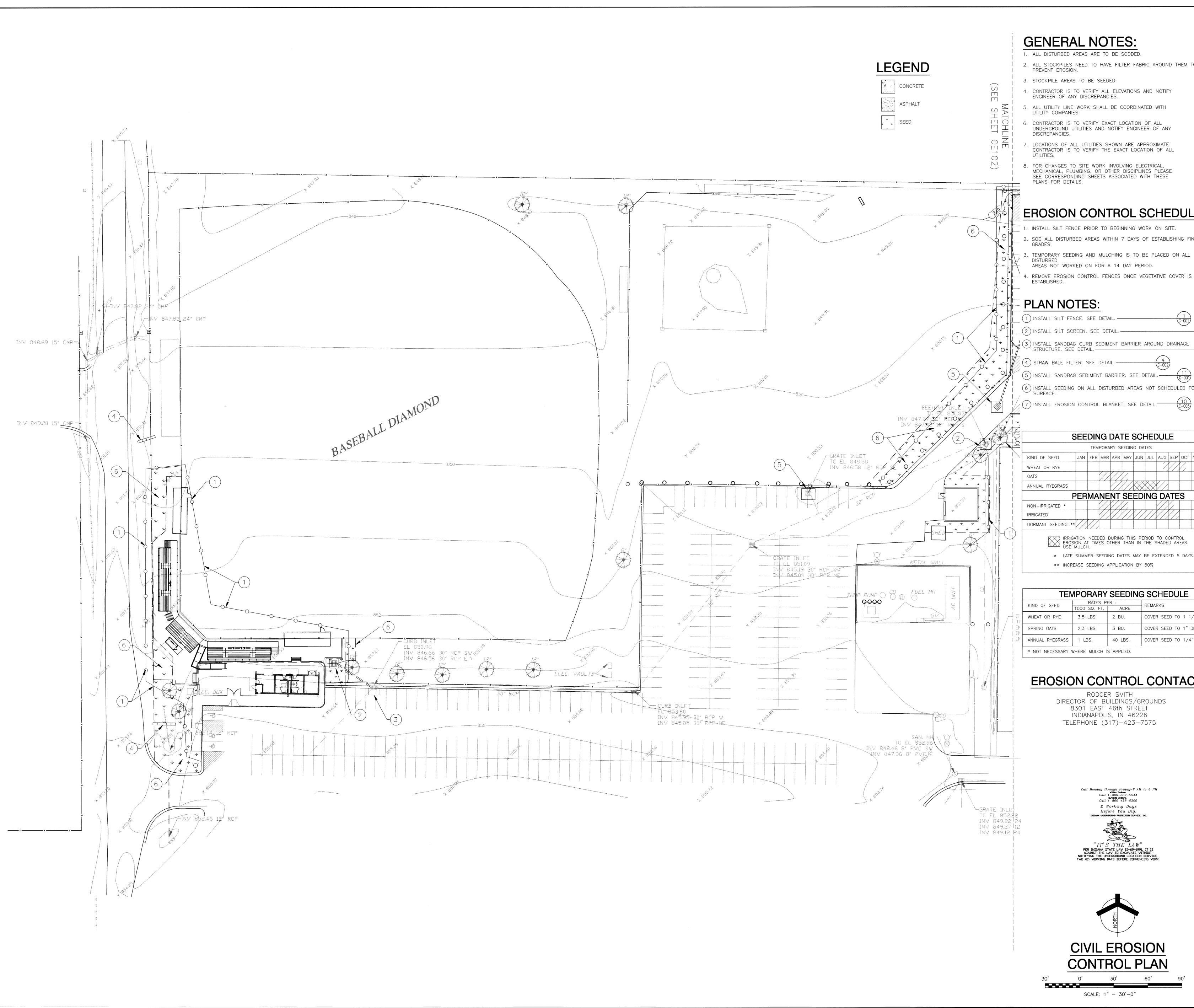
Call Monday through Friday-7 AM to 6 PM
Vithin Indiana
Call 1-800-382-5544
Dutside Indiana
Call 1 800 428 5200

2 Working Days

"IT'S THE LAW"

PER INDIANA STATE LAW IS-69-1991, IT IS
AGAINST THE LAW TO EXCAVATE WITHOUT
NOTIFYING THE UNDERGROUND LOCATION SERVICE
TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

0' 30' 60' 90' SCALE: 1" = 30'-0"



2. ALL STOCKPILES NEED TO HAVE FILTER FABRIC AROUND THEM TO

3. STOCKPILE AREAS TO BE SEEDED.

4. CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

5. ALL UTILITY LINE WORK SHALL BE COORDINATED WITH

UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY

7. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL

8. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE

EROSION CONTROL SCHEDULE

1. INSTALL SILT FENCE PRIOR TO BEGINNING WORK ON SITE. 2. SOD ALL DISTURBED AREAS WITHIN 7 DAYS OF ESTABLISHING FINISH

3. TEMPORARY SEEDING AND MULCHING IS TO BE PLACED ON ALL AREAS NOT WORKED ON FOR A 14 DAY PERIOD.

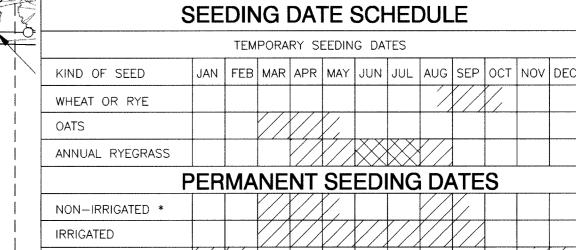
4. REMOVE EROSION CONTROL FENCES ONCE VEGETATIVE COVER IS

1) INSTALL SILT FENCE. SEE DETAIL. -(2) INSTALL SILT SCREEN. SEE DETAIL. -

 $\mathcal{E}(4)$ STRAW BALE FILTER. SEE DETAIL.——

(6) INSTALL SEEDING ON ALL DISTURBED AREAS NOT SCHEDULED FOR HARD SURFACE.

(7) INSTALL EROSION CONTROL BLANKET. SEE DETAIL. (C-003)



IRRIGATION NEEDED DURING THIS PERIOD TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS. USE MULCH.

* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS. ** INCREASE SEEDING APPLICATION BY 50%.

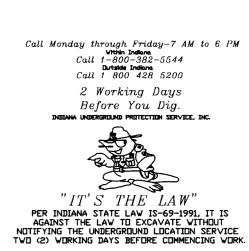
TEMPORARY SEEDING SCHEDULE

- 1				•		
	KIND OF SEED	RATES P	ER :	REMARKS		
	NIND OF SELD	1000 SQ. FT.	ACRE			
-	WHEAT OR RYE	3.5 LBS.	2 BU.	COVER SEED TO 1 1/2" DEEP		
N.	SPRING OATS	2.3 LBS.	3 BU.	COVER SEED TO 1" DEEP		
	ANNUAL RYEGRASS	1 LBS.	40 LBS.	COVER SEED TO 1/4" DEEP *		

EROSION CONTROL CONTACT

RODGER SMITH DIRECTOR OF BUILDINGS/GROUNDS 8301 EAST 46th STREET INDIANAPOLIS, IN 46226

TELEPHONE (317)-423-7575





SITE **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH** SCHOOL

GIBRALTAR

DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

WORK LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

RELATED

GIBRALTAR DESIGN

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08-611 01/27/09 COORDINATED BY STATE OF DRAWN BY

CHECKED BY RM

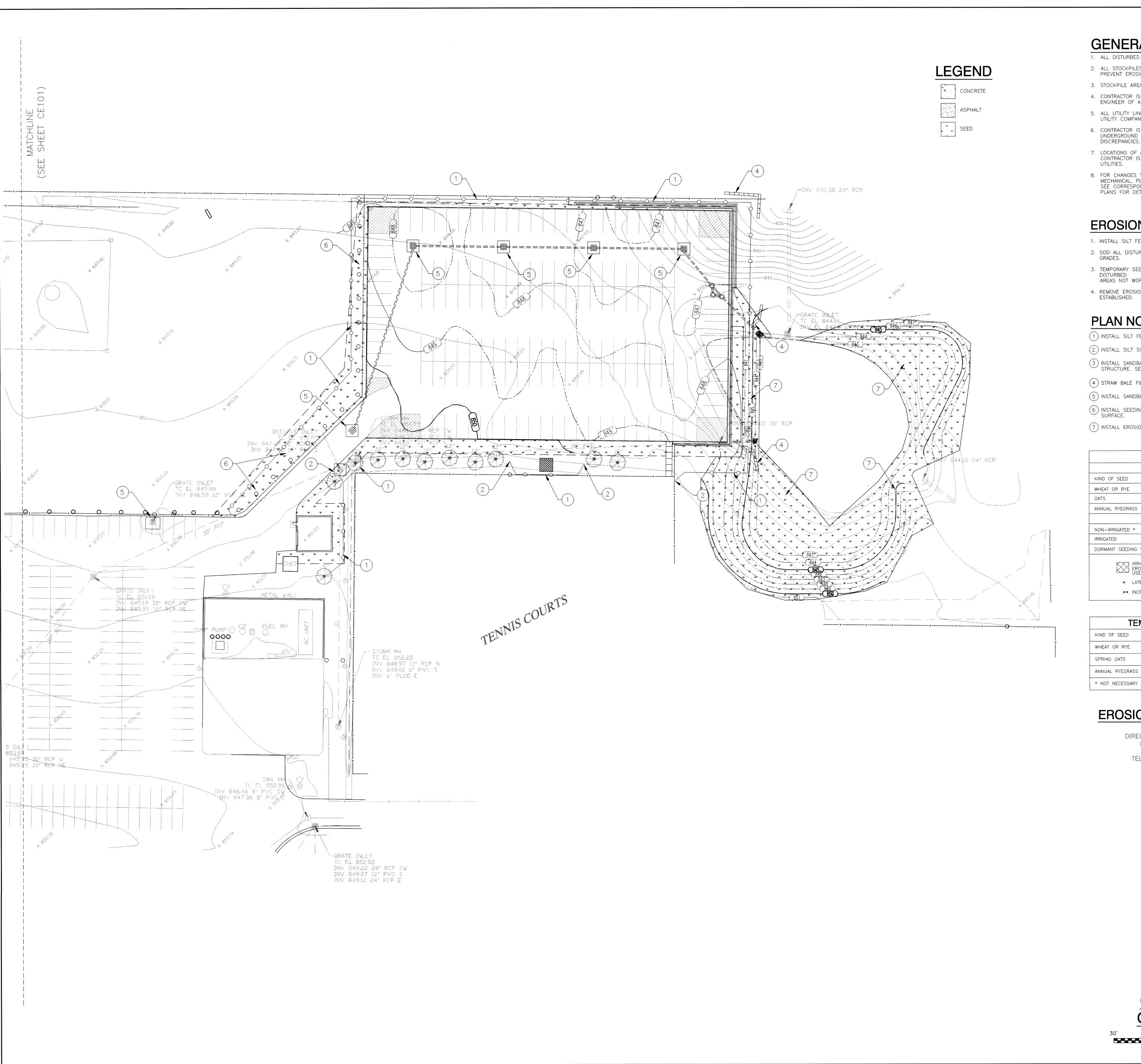
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MARK DATE ISSUED FOR

DRAWING CIVIL EROSION CONTROL PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

CE101



1. ALL DISTURBED AREAS ARE TO BE SODDED.

- ALL STOCKPILES NEED TO HAVE FILTER FABRIC AROUND THEM TO PREVENT EROSION.
- 3. STOCKPILE AREAS TO BE SEEDED.
- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 5. ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- 6. CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY
- 7. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL
- 8. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

EROSION CONTROL SCHEDULE

- 1. INSTALL SILT FENCE PRIOR TO BEGINNING WORK ON SITE.
- SOD ALL DISTURBED AREAS WITHIN 7 DAYS OF ESTABLISHING FINISH GRADES.
- 3. TEMPORARY SEEDING AND MULCHING IS TO BE PLACED ON ALL DISTURBED

 AREAS NOT WORKED ON FOR A 14 DAY PERIOD.
- 4. REMOVE EROSION CONTROL FENCES ONCE VEGETATIVE COVER IS ESTABLISHED.

PLAN NOTES:

- (1) INSTALL SILT FENCE. SEE DETAIL. —
- (2) INSTALL SILT SCREEN. SEE DETAIL. —
- 3 INSTALL SANDBAG CURB SEDIMENT BARRIER AROUND DRAINAGE STRUCTURE. SEE DETAIL.
- (4) STRAW BALE FILTER. SEE DETAIL. 5 INSTALL SANDBAG SEDIMENT BARRIER. SEE DETAIL. (11)
- 6 INSTALL SEEDING ON ALL DISTURBED AREAS NOT SCHEDULED FOR HARD SURFACE.
- (7) INSTALL EROSION CONTROL BLANKET. SEE DETAIL.

SEEDING DATE SCHEDULE

		TEM	PORA	RY SI	EEDIN	G DA	TES					
KIND OF SEED	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DE
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS							XX					
Р	ER	MA	NE	NT	SE	ED	NG	D/	\TE	S		
NON-IRRIGATED *												
IRRIGATED												
DORMANT SEEDING **												

IRRIGATION NEEDED DURING THIS PERIOD TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS. USE MULCH.

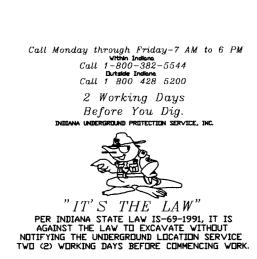
* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS. ** INCREASE SEEDING APPLICATION BY 50%.

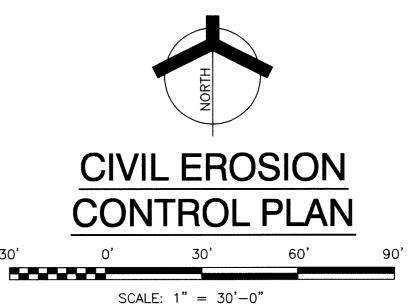
TEMPORARY SEEDING SCHEDULE RATES PER :

KIND OF SEED	1000 SQ. FT.	ACRE	REMARKS				
WHEAT OR RYE	3.5 LBS.	2 BU.	COVER SEED TO 1 1/2" DEEP				
SPRING OATS	2.3 LBS.	3 BU.	COVER SEED TO 1" DEEP				
ANNUAL RYEGRASS	1 LBS.	40 LBS.	COVER SEED TO 1/4" DEEP *				
* NOT NECESSARY WHERE MULCH IS APPLIED.							

EROSION CONTROL CONTACT

RODGER SMITH DIRECTOR OF BUILDINGS/GROUNDS 8301 EAST 46th STREET INDIANAPOLIS, IN 46226 TELEPHONE (317)-423-7575







GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT **IMPROVEMENTS** TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

WORK

GIBRALTAR DESIGN

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PROJECT 08-611 DATE 01/27/09 COORDINATED B'

STATE OF DRAWN BY CHECKED BY

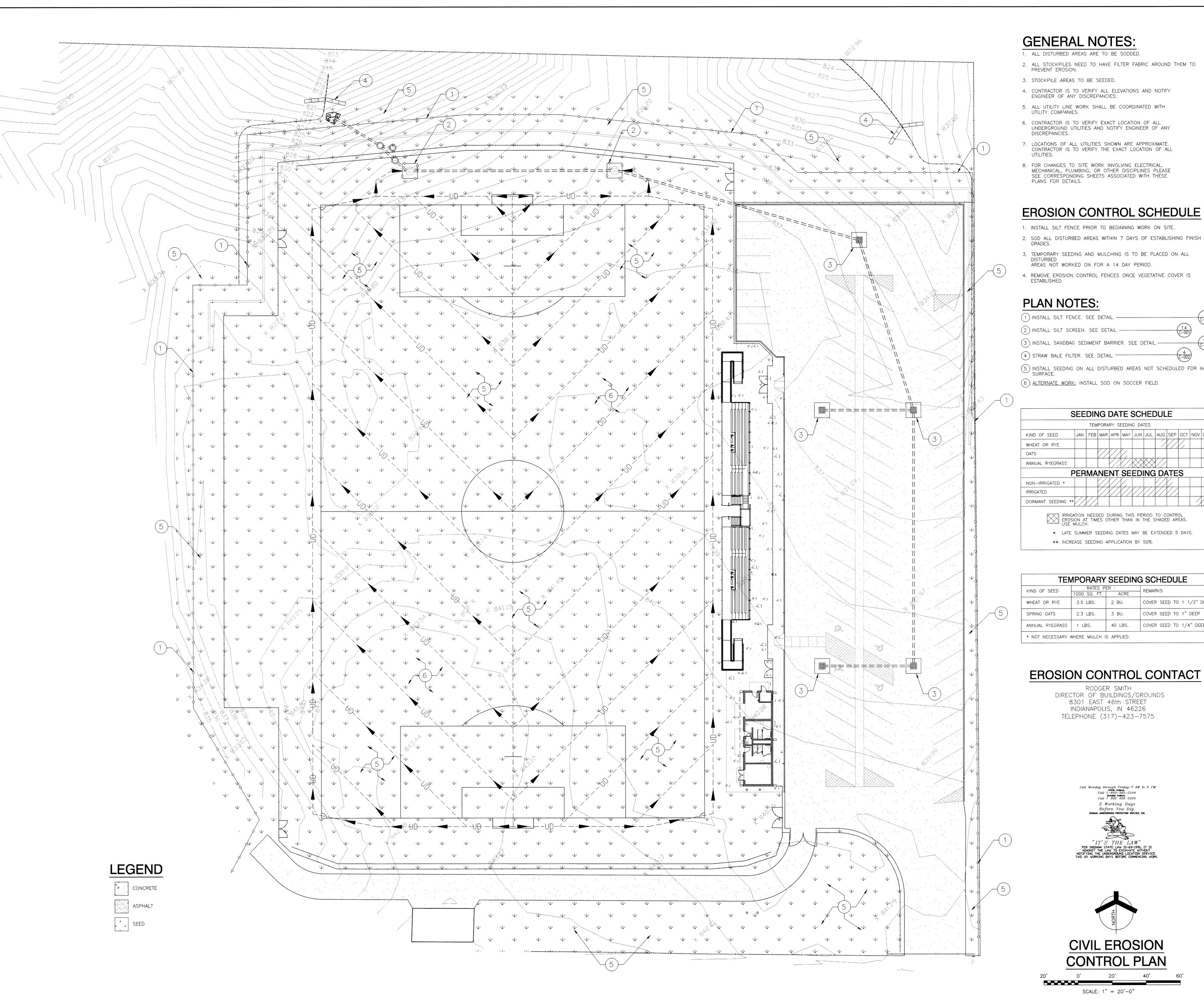
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REVISIONS MARK DATE ISSUED FOR

CIVIL EROSION CONTROL

PROJECT
SITE IMPROVEMENTS TO LAWRENCE
CENTRAL HS

GIBRALTAR DESIGN SHEET CE102



1. ALL DISTURBED AREAS ARE TO BE SODDED.

- 2. ALL STOCKPILES NEED TO HAVE FILTER FABRIC AROUND THEM TO
- 3. STOCKPILE AREAS TO BE SEEDED.
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- ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
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EROSION CONTROL SCHEDULE

- 1. INSTALL SILT FENCE PRIOR TO BEGINNING WORK ON SITE.
- 3. TEMPORARY SEEDING AND MULCHING IS TO BE PLACED ON ALL
- AREAS NOT WORKED ON FOR A 14 DAY PERIOD.
- 4. REMOVE EROSION CONTROL FENCES ONCE VEGETATIVE COVER IS ESTABLISHED.

1) INSTALL SILT FENCE. SEE DETAIL. —

(2) INSTALL SILT SCREEN. SEE DETAIL. —

(3) INSTALL SANDBAG SEDIMENT BARRIER. SEE DETAIL.—

(4) STRAW BALE FILTER. SEE DETAIL. -

(5) INSTALL SEEDING ON ALL DISTURBED AREAS NOT SCHEDULED FOR HARD

(6) ALTERNATE WORK: INSTALL SOD ON SOCCER FIELD.

SEEDING DATE SCHEDULE

		TEM	PORA	RY SI	EEDIN	G DA	TES					
KIND OF SEED	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC
WHEAT OR RYE												
OATS					//							
ANNUAL RYEGRASS												
	PER	MA	NE	NT	SE	EDI	ING	i DA	\ΤΕ	S		
NON IDDICATED *			77	///	/							

* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS.

TEN	TEMPORARY SEEDING SCHEDULE											
KIND OF SEED	RATES PI	ER :	REMARKS									
KIND OF SELD	1000 SQ. FT.	ACRE	TEMAKKS									
WHEAT OR RYE	3.5 LBS.	2 BU.	COVER SEED TO 1 1/2" DEEP									
SPRING OATS 2.3 LBS. 3 BU. COVER SEED TO 1" DEEP												

COVER SEED TO 1/4" DEEP

40 LBS.

EROSION CONTROL CONTACT

RODGER SMITH DIRECTOR OF BUILDINGS/GROUNDS 8301 EAST 46th STREET INDIANAPOLIS, IN 46226 TELEPHONE (317)-423-7575

> Call Monday through Friday—7 AM to 6 PM
>
> Vittin Indiana.
>
> Call 1—800—382—5544
>
> Dutside Indiana
>
> Call 1 800 428 5200 2 Working Days "IT'S THE LAW"
>
> PER INDIANA STATE LAW IS-69-1991, IT IS
>
> AGAINST THE LAW TO EXCAVATE WITHOUT
>
> NOTIFYING THE UNDERGROUND LOCATION SERVICE
>
> TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



CONTROL PLAN

GIBRALTAR

DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH SCHOOL** AND RELATED

WORK LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 3 Indianapolis, IN 4626

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Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778 08-611

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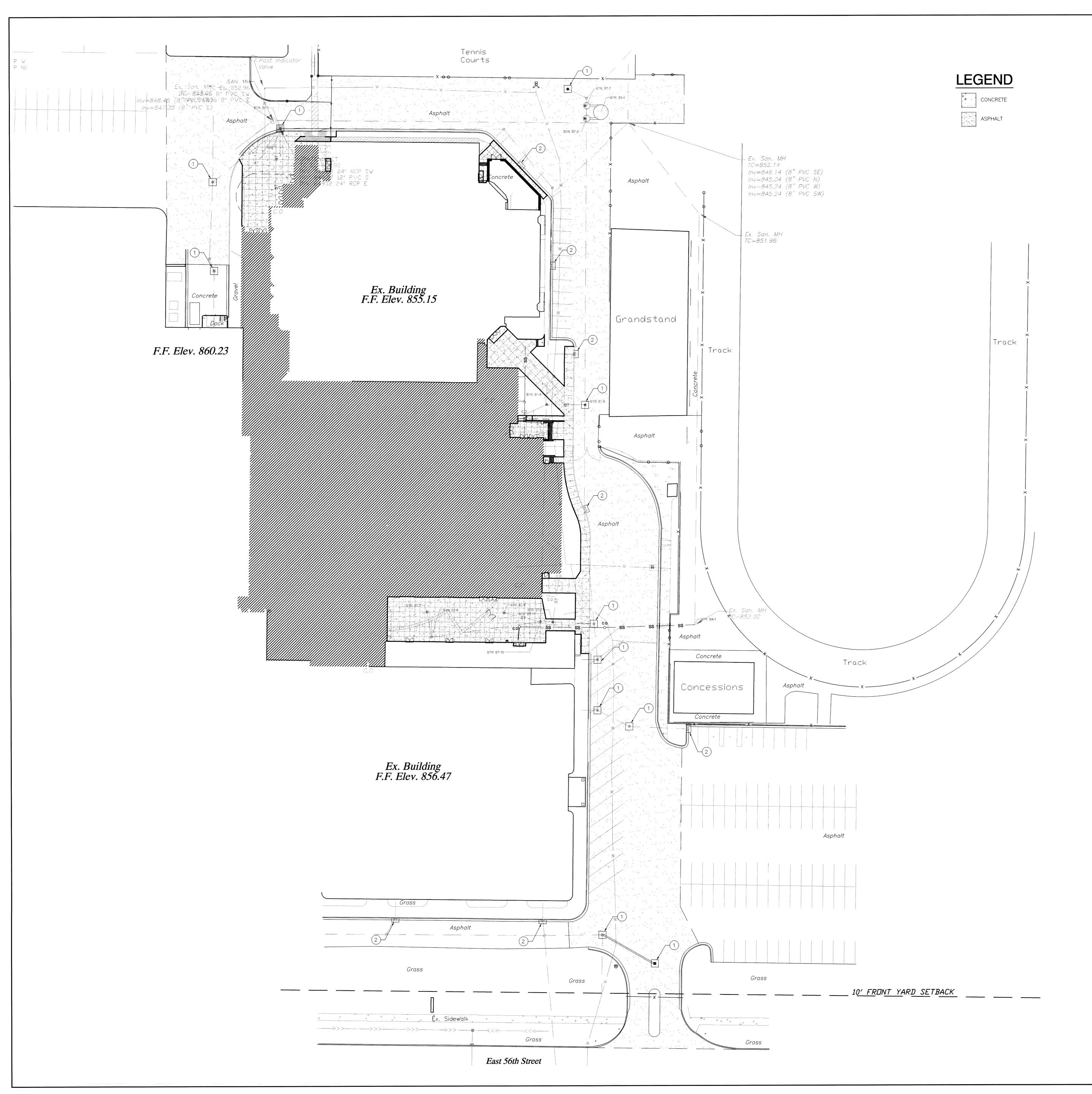
DRAWING CIVIL EROSION CONTROL

SITE IMPROVEMENTS TO LAWRENCE

CENTRAL HS

© GIBRALTAR DESIGN SHEET

CE103



1. ALL DISTURBED AREAS ARE TO BE SODDED.

- ALL STOCKPILES NEED TO HAVE FILTER FABRIC AROUND THEM TO PREVENT EROSION.
- 3. STOCKPILE AREAS TO BE SEEDED.
- 4. CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
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- CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL UTILITIES.
- 8. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

EROSION CONTROL SCHEDULE

- 1. INSTALL SILT FENCE PRIOR TO BEGINNING WORK ON SITE.
- 2. SOD ALL DISTURBED AREAS WITHIN 7 DAYS OF ESTABLISHING FINISH GRADES.
- TEMPORARY SEEDING AND MULCHING IS TO BE PLACED ON ALL DISTURBED AREAS NOT WORKED ON FOR A 14 DAY PERIOD.
- 4. REMOVE EROSION CONTROL FENCES ONCE VEGETATIVE COVER IS ESTABLISHED.

PLAN NOTES:

1) INSTALL SANDBAG SEDIMENT BARRIER. SEE DETAIL. (11)

2) INSTALL SANDBAG CURB SEDIMENT BARRIER AROUND DRAINAGE STRUCTURE. SEE DETAIL.

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PROJECT **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH** SCHOOL

RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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		TEM	PORA	RY SI	EEDIN	G DA	TES					
KIND OF SEED	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DE
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS							XX					
	PER	MA	NE	NT	SE	ED	NG	D/	λΤΕ	S		
NON-IRRIGATED *												
IRRIGATED												
DORMANT SEEDING *	*//											

IRRIGATION NEEDED DURING THIS PERIOD TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS. USE MULCH.

* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS. ** INCREASE SEEDING APPLICATION BY 50%.

TEMPORARY SEEDING SCHEDULE

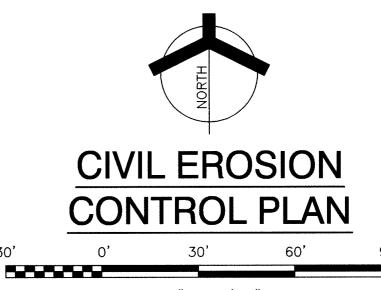
KIND OF SEED	RATES PI	ER :	REMARKS		
KIND OF SEED	1000 SQ. FT.	ACRE	NEMARKS		
WHEAT OR RYE	3.5 LBS.	2 BU.	COVER SEED TO 1 1/2" DEEP		
SPRING OATS	2.3 LBS.	3 BU.	COVER SEED TO 1" DEEP		
ANNUAL RYEGRASS	1 LBS.	40 LBS.	COVER SEED TO 1/4" DEEP *		

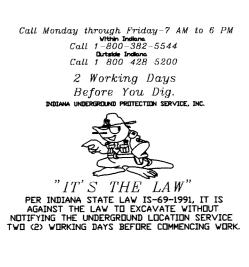
* NOT NECESSARY WHERE MULCH IS APPLIED.

EROSION CONTROL CONTACT

RODGER SMITH DIRECTOR OF BUILDINGS/GROUNDS 8301 EAST 46th STREET INDIANAPOLIS, IN 46226 TELEPHONE (317)-423-7575





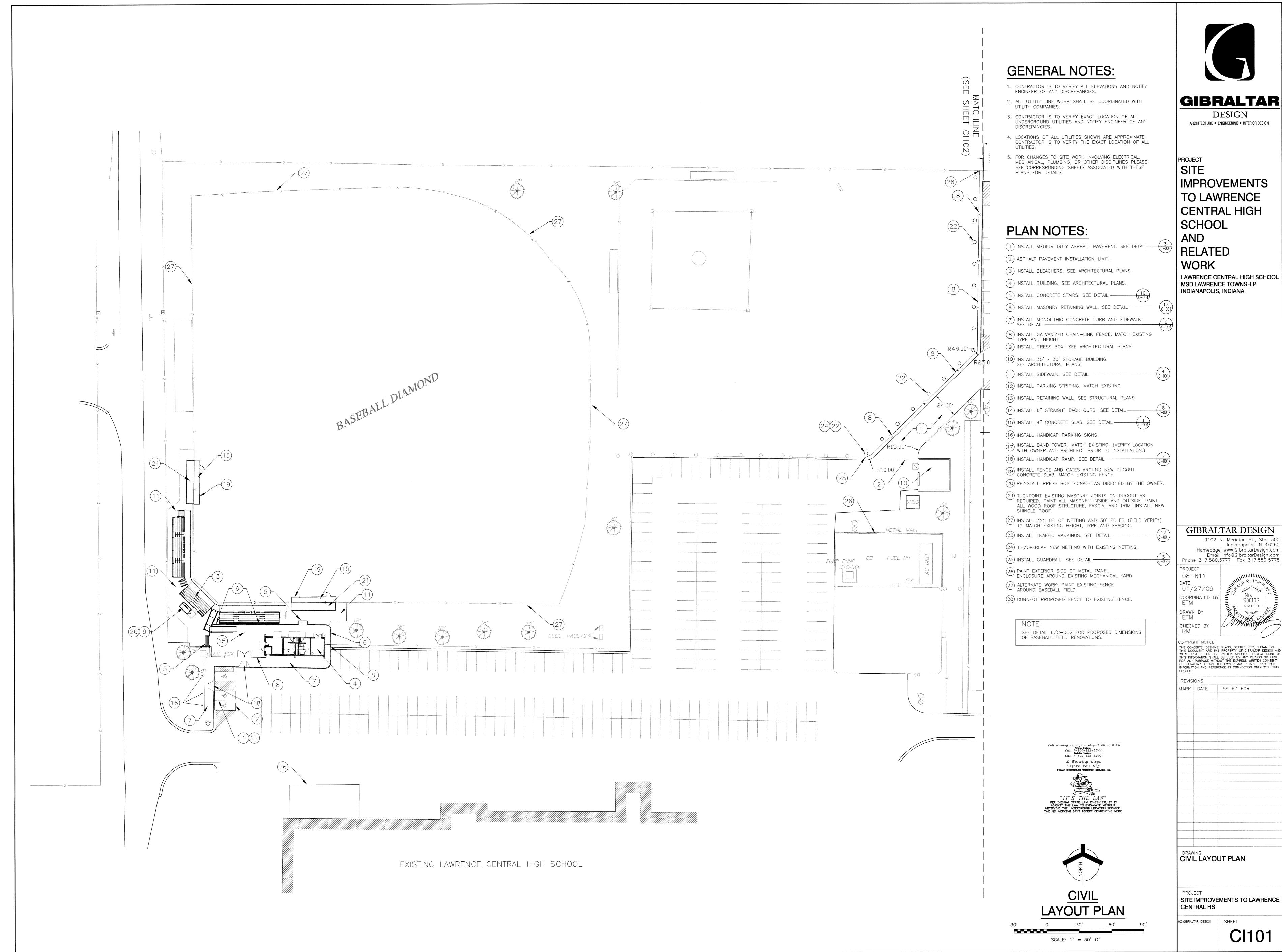


DRAWING CIVIL EROSION CONTROL PLAN

PROJECT
SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

GIBRALTAR DESIGN SHEET CE104

SCALE: 1" = 30' - 0"



IMPROVEMENTS TO LAWRENCE **CENTRAL HIGH**

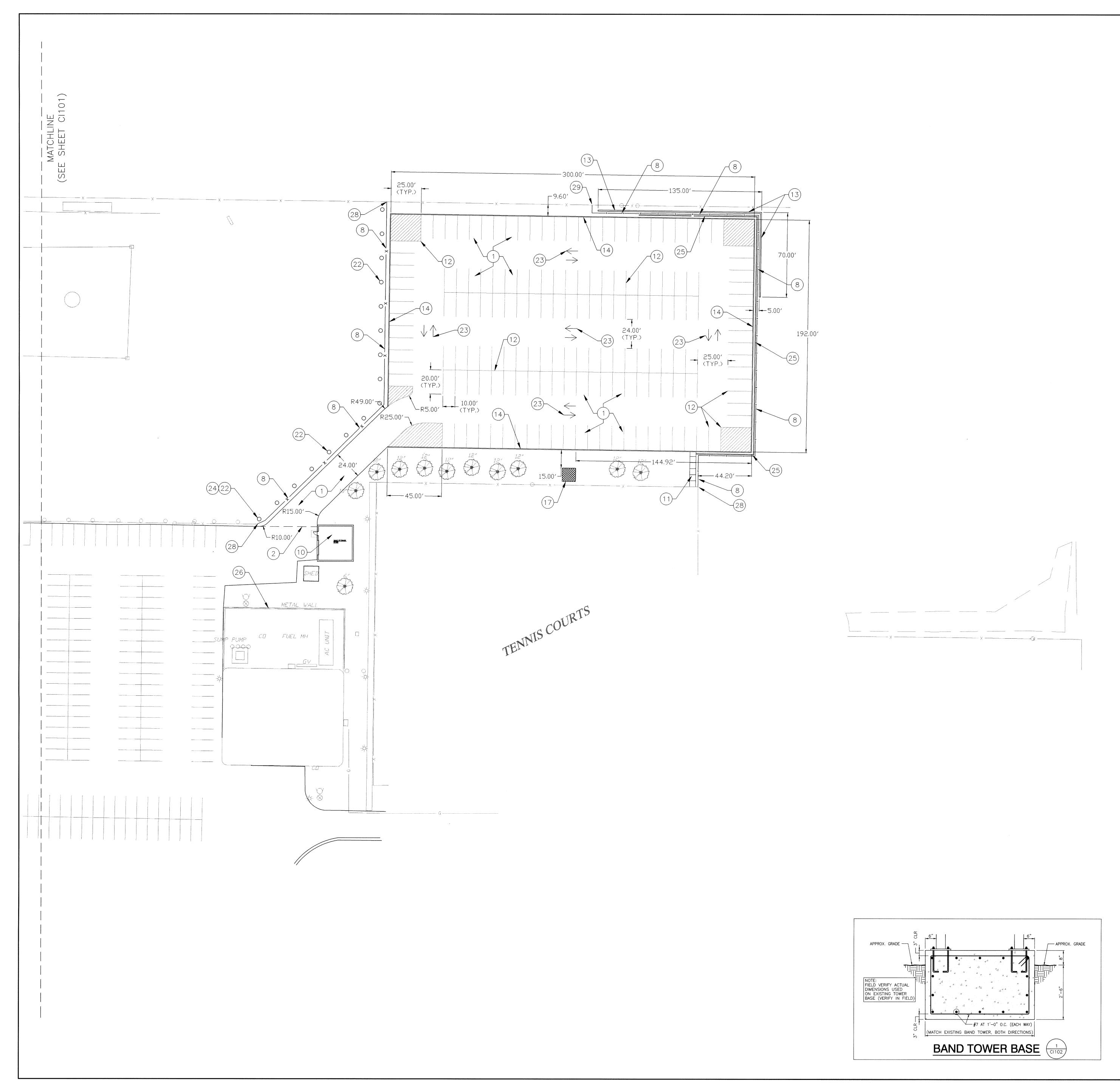
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SITE IMPROVEMENTS TO LAWRENCE

CI101





- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 2. ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 4. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL UTILITIES.
- FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

PLAN NOTES:

- INSTALL MEDIUM DUTY ASPHALT PAVEMENT. SEE DETAIL

 ASPHALT PAVEMENT INSTALLATION LIMIT.

 INSTALL BLEACHERS. SEE ARCHITECTURAL PLANS.

 INSTALL BUILDING. SEE ARCHITECTURAL PLANS.
- 5 INSTALL CONCRETE STAIRS. SEE DETAIL

 (6) INSTALL MASONRY RETAINING WALL. SEE DETAIL

 (7)

 (7)
- 7 INSTALL MONOLITHIC CONCRETE CURB AND SIDEWALK.
 SEE DETAIL

 8 INSTALL GALVANIZED CHAIN—LINK FENCE. MATCH EXISTING
 TYPE AND HEIGHT.
- 9 INSTALL PRESS BOX. SEE ARCHITECTURAL PLANS.

 10 INSTALL 30' x 30' STORAGE BUILDING.
 SEE ARCHITECTURAL PLANS.
- (13) INSTALL RETAINING WALL. SEE STRUCTURAL PLANS.
- (16) INSTALL HANDICAP PARKING SIGNS.
 (17) INSTALL BAND TOWER. MATCH EXISTING. (VERIFY
- 17 INSTALL BAND TOWER. MATCH EXISTING. (VERIFY LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.) SEE DETAIL
- (18) INSTALL HANDICAP RAMP. SEE DETAIL

 (19) INSTALL FENCE AND GATES AROUND NEW DUGOUT CONCRETE SLAB. MATCH EXISTING FENCE.
- 20 REINSTALL PRESS BOX SIGNAGE AS DIRECTED BY THE OWNER.

 21 TUCKPOINT EXISTING MASONRY JOINTS ON DUGOUT AS REQUIRED. PAINT ALL MASONRY INSIDE AND OUTSIDE. PAINT ALL WOOD ROOF STRUCTURE, FASCIA, AND TRIM. INSTALL NEW
- SHINGLE ROOF.

 (22) INSTALL 325 LF. OF NETTING AND 30' POLES (FIELD VERIFY)
 TO MATCH EXISTING HEIGHT, TYPE AND SPACING.
- (23) INSTALL TRAFFIC MARKINGS. SEE DETAIL
- (24) TIE/OVERLAP NEW NETTING WITH EXISTING NETTING.

 (25) INSTALL GUARDRAIL. SEE DETAIL
- 26 PAINT EXTERIOR SIDE OF METAL PANEL ENCLOSURE AROUND EXISTING MECHANICAL YARD.

 27 ALTERNATE WORK: PAINT EXISTING FENCE AROUND BASEBALL FIELD.
- (28) CONNECT PROPOSED FENCE TO EXISITNG FENCE.



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LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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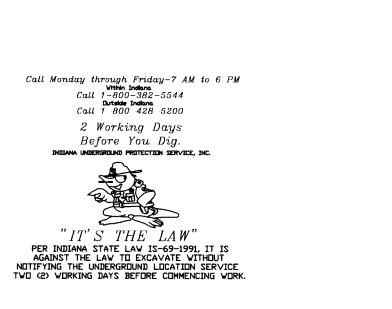
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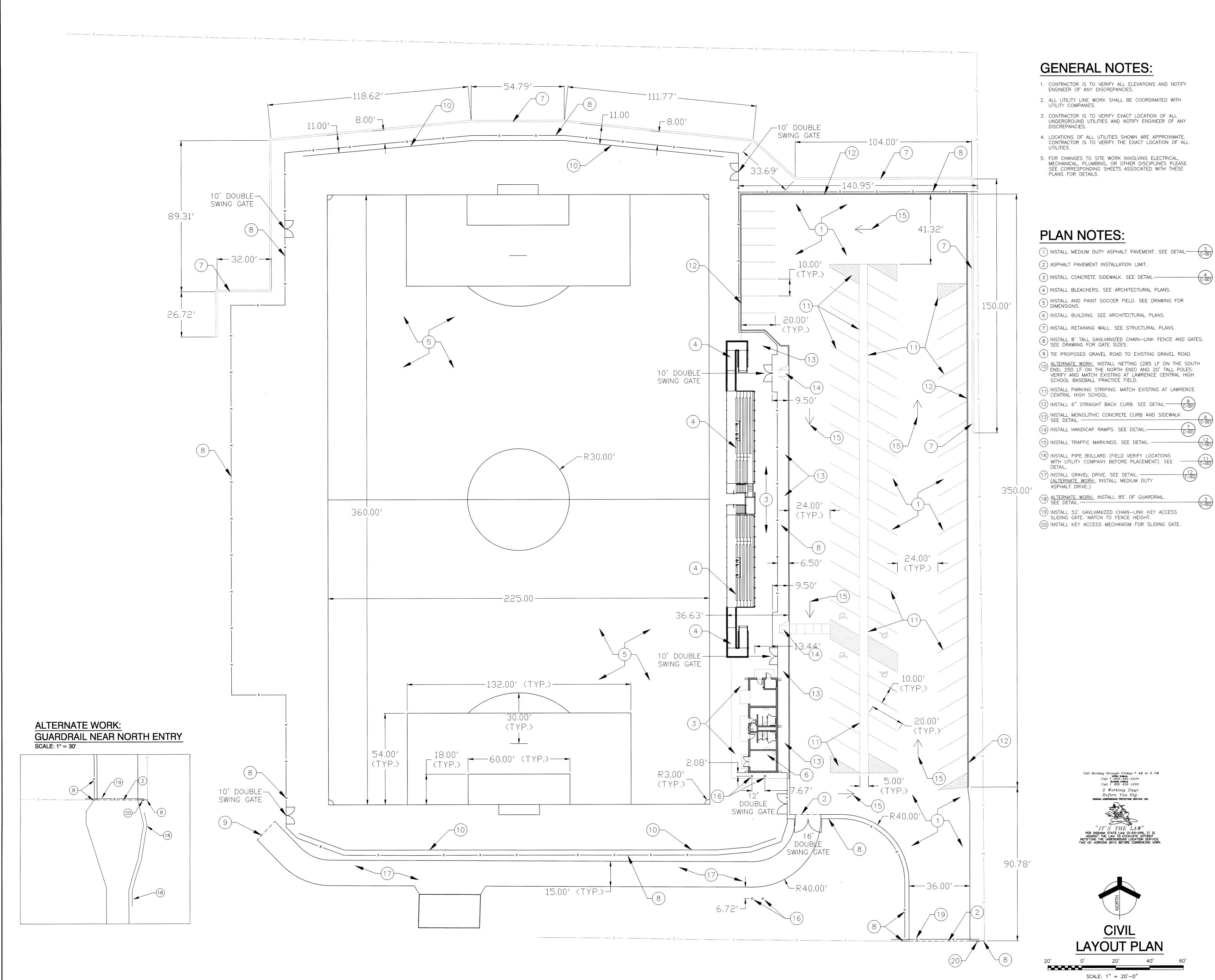
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)V\DRAWINGS\SHEETS\CIVIL\08-6

0' 30' 60' 90' SCALE: 1" = 30'-0"



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LAWRENCE CENTRAL HIGH SCHOOL

MSD LAWRENCE TOWNSHIP
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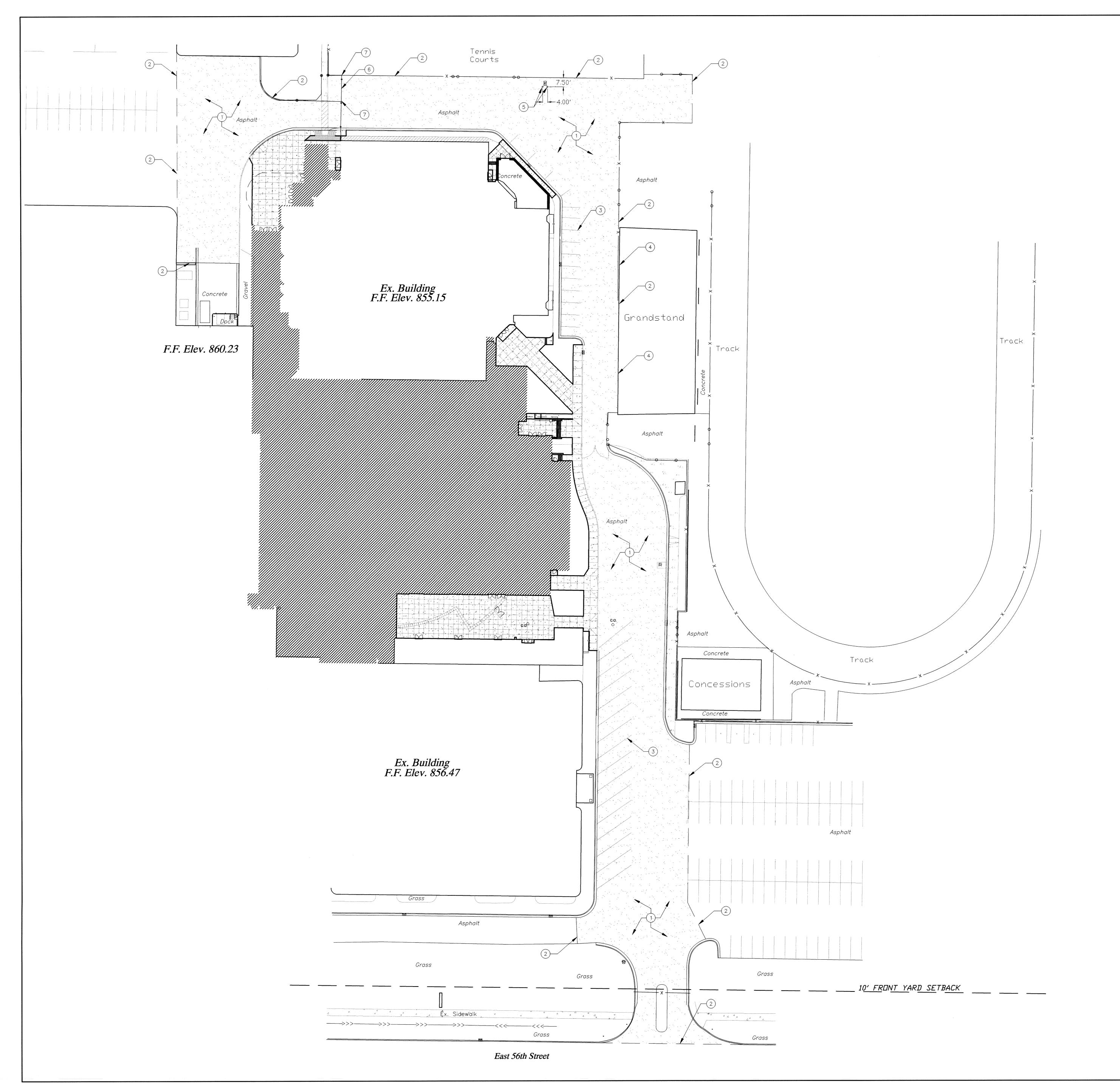
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DRAWING CIVIL LAYOUT PLAN

PROJECT
SITE IMPROVEMENTS TO LAWRENCE
CENTRAL HS

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Cl103



- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL UTILITIES.
- FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

PLAN NOTES:

- 1) INSTALL HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL-
- (2) ASPHALT PAVEMENT INSTALLATION LIMIT.
- (3) INSTALL PARKING STRIPING. MATCH EXISTING.
- (5) INSTALL BOLLARDS. SEE DETAIL ----
- CONNECT PROPOSED FENCE TO EXISTING GATE AND EXISTING TENNIS COURT FENCE.

GENERAL NOTES:

- ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

- (4) INSTALL ASPHALT UP TO BUILDING SLAB.
- (6) INSTALL FENCE. MATCH EXISTING GATE.

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PROJECT

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IMPROVEMENTS TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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Dutside Indiana
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AGAINST THE LAW TO EXCAVATE WITHOUT

NOTIFYING THE UNDERGROUND LOCATION SERVICE

TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

CIVIL

LAYOUT PLAN

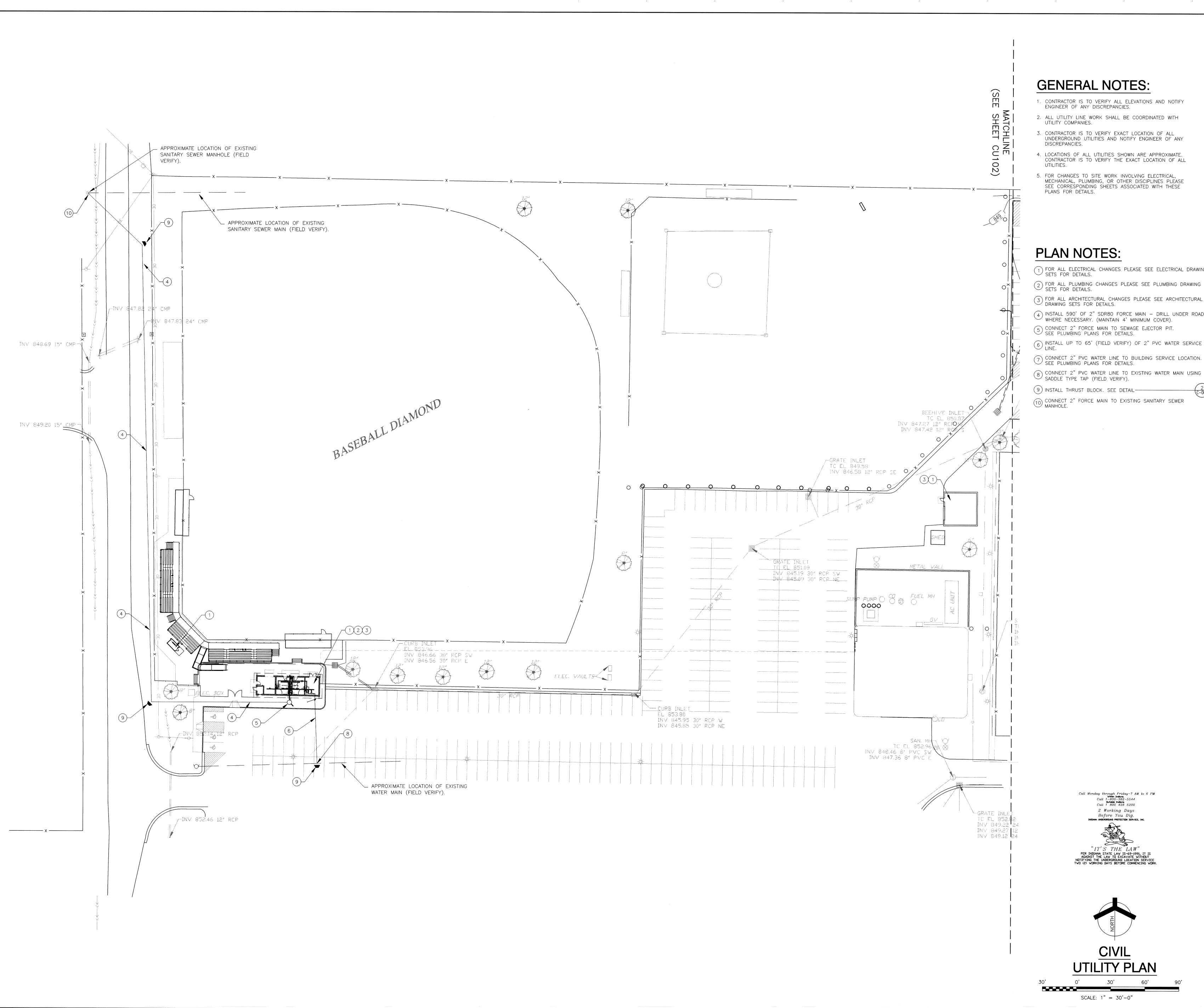
SCALE: 1" = 30'-0"

CIVIL LAYOUT PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

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- 3. CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY
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- 5. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE PLANS FOR DETAILS.

PLAN NOTES:

1) FOR ALL ELECTRICAL CHANGES PLEASE SEE ELECTRICAL DRAWING SETS FOR DETAILS. 2) FOR ALL PLUMBING CHANGES PLEASE SEE PLUMBING DRAWING SETS FOR DETAILS.

DRAWING SETS FOR DETAILS. (4) INSTALL 590' OF 2" SDR80 FORCE MAIN - DRILL UNDER ROAD WHERE NECESSARY. (MAINTAIN 4' MINIMUM COVER).

5 CONNECT 2" FORCE MAIN TO SEWAGE EJECTOR PIT. SEE PLUMBING PLANS FOR DETAILS. 6 INSTALL UP TO 65' (FIELD VERIFY) OF 2" PVC WATER SERVICE LINE.

7 CONNECT 2" PVC WATER LINE TO BUILDING SERVICE LOCATION. SEE PLUMBING PLANS FOR DETAILS. 8 CONNECT 2" PVC WATER LINE TO EXISTING WATER MAIN USING SADDLE TYPE TAP (FIELD VERIFY).

(10) CONNECT 2" FORCE MAIN TO EXISTING SANITARY SEWER MANHOLE.

2 Working Days Before You Dig.
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PROJECT **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH SCHOOL** AND RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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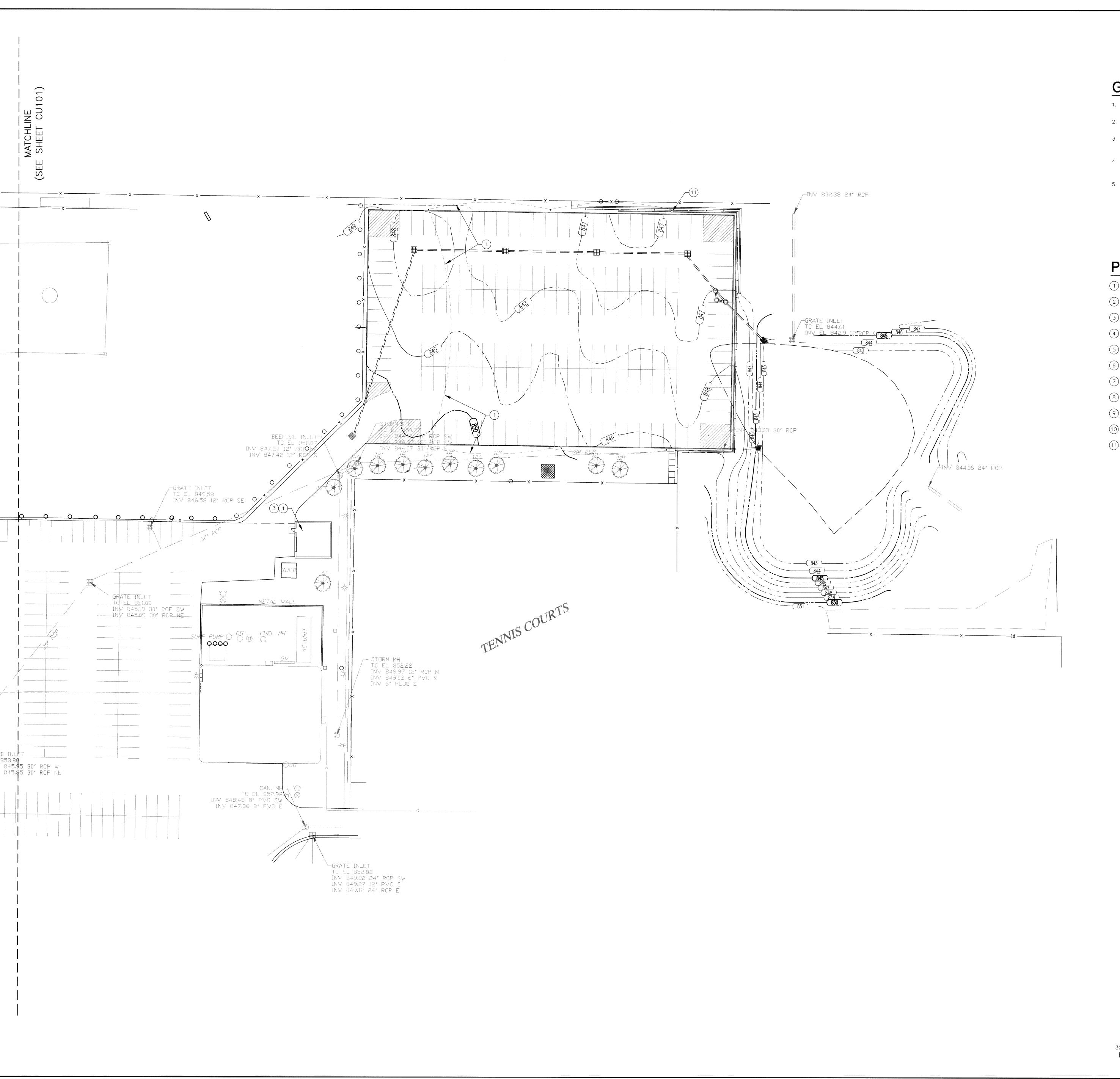
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DRAWING CIVIL UTILITY PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

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- FOR ALL ARCHITECTURAL CHANGES PLEASE SEE ARCHITECTURAL DRAWING SETS FOR DETAILS.
- (4) INSTALL 590' OF 2" SDR80 FORCE MAIN DRILL UNDER ROAD WHERE NECESSARY. (MAINTAIN 4' MINIMUM COVER). 5 CONNECT 2" FORCE MAIN TO SEWAGE EJECTOR PIT. SEE PLUMBING PLANS FOR DETAILS.
- 6 INSTALL UP TO 65' (FIELD VERIFY) OF 2" PVC WATER SERVICE LINE.
- 7 CONNECT 2" PVC WATER LINE TO BUILDING SERVICE LOCATION. SEE PLUMBING PLANS FOR DETAILS. 8 CONNECT 2" PVC WATER LINE TO EXISITNG WATER MAIN USING SADDLE TYPE TAP. (FIELD VERIFY).
- (9) INSTALL THRUST BLOCK. SEE DETAIL-
- (10) CONNECT 2" FORCE MAIN TO EXISTING SANITARY SEWER MANHOLE.
- (11) LIGHT POLE AND BASE INTERUPT GUARDRAIL. SEE ELECTRICAL DRAWINGS FOR ACTUAL LAYOUT.



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PROJECT **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH** SCHOOL AND **RELATED**

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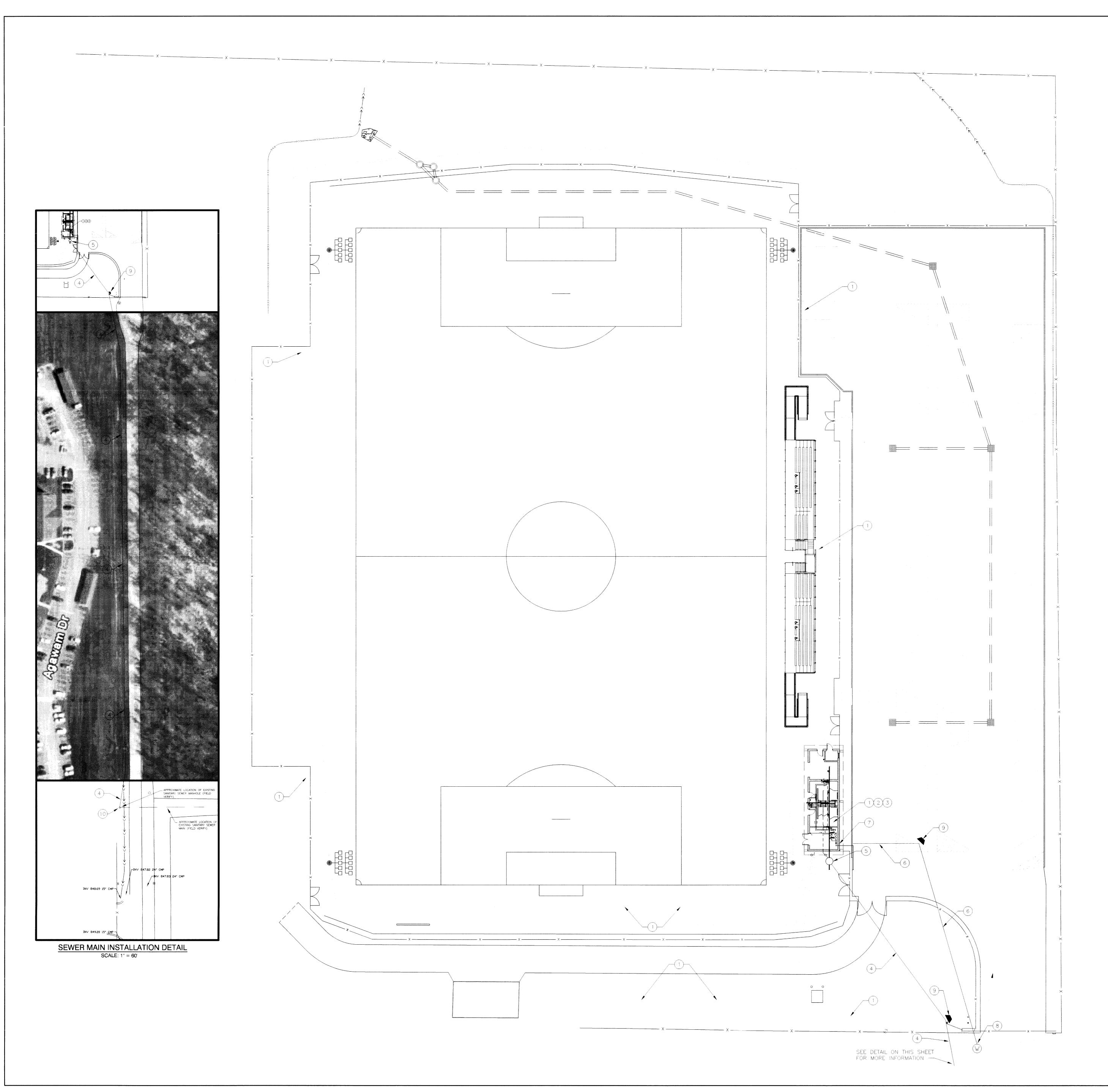
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- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES. ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- 3. CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- UTILITIES.
- PLANS FOR DETAILS.

PLAN NOTES:

MANHOLE.

- ARCHITECTURE ENGINEERING INTERIOR DESIGN
- 4. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL
- 5. FOR CHANGES TO SITE WORK INVOLVING ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER DISCIPLINES PLEASE SEE CORRESPONDING SHEETS ASSOCIATED WITH THESE

1 FOR ALL ELECTRICAL CHANGES PLEASE SEE ELECTRICAL DRAWING SETS FOR DETAILS. 2) FOR ALL PLUMBING CHANGES PLEASE SEE PLUMBING DRAWING SETS FOR DETAILS. 3 FOR ALL ARCHITECTURAL CHANGES PLEASE SEE ARCHITECTURAL DRAWING SETS FOR DETAILS. (4) INSTALL 960' OF 2.5" SDR80 FORCE MAIN (MAINTAIN 4' MINIMUM COVER). (5) CONNECT 2" FORCE MAIN TO SEWAGE EJECTOR PIT. SEE PLUMBING PLANS FOR DETAILS. 6 INSTALL UP TO 170' (FIELD VERIFY) OF 2" PVC WATER SERVICE LINE. 7 CONNECT 2" PVC WATER LINE TO BUILDING SERVICE LOCATION. SEE PLUMBING PLANS FOR DETAILS. 8 CONNECT 2" PVC WATER LINE TO EXISTING 2" WATER MAIN (FIELD VERIFY). (9) INSTALL THRUST BLOCK. SEE DETAIL-

(10) CONNECT 2.5" FORCE MAIN TO EXISTING SANITARY SEWER

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IMPROVEMENTS TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED

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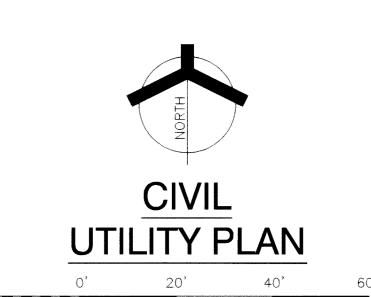
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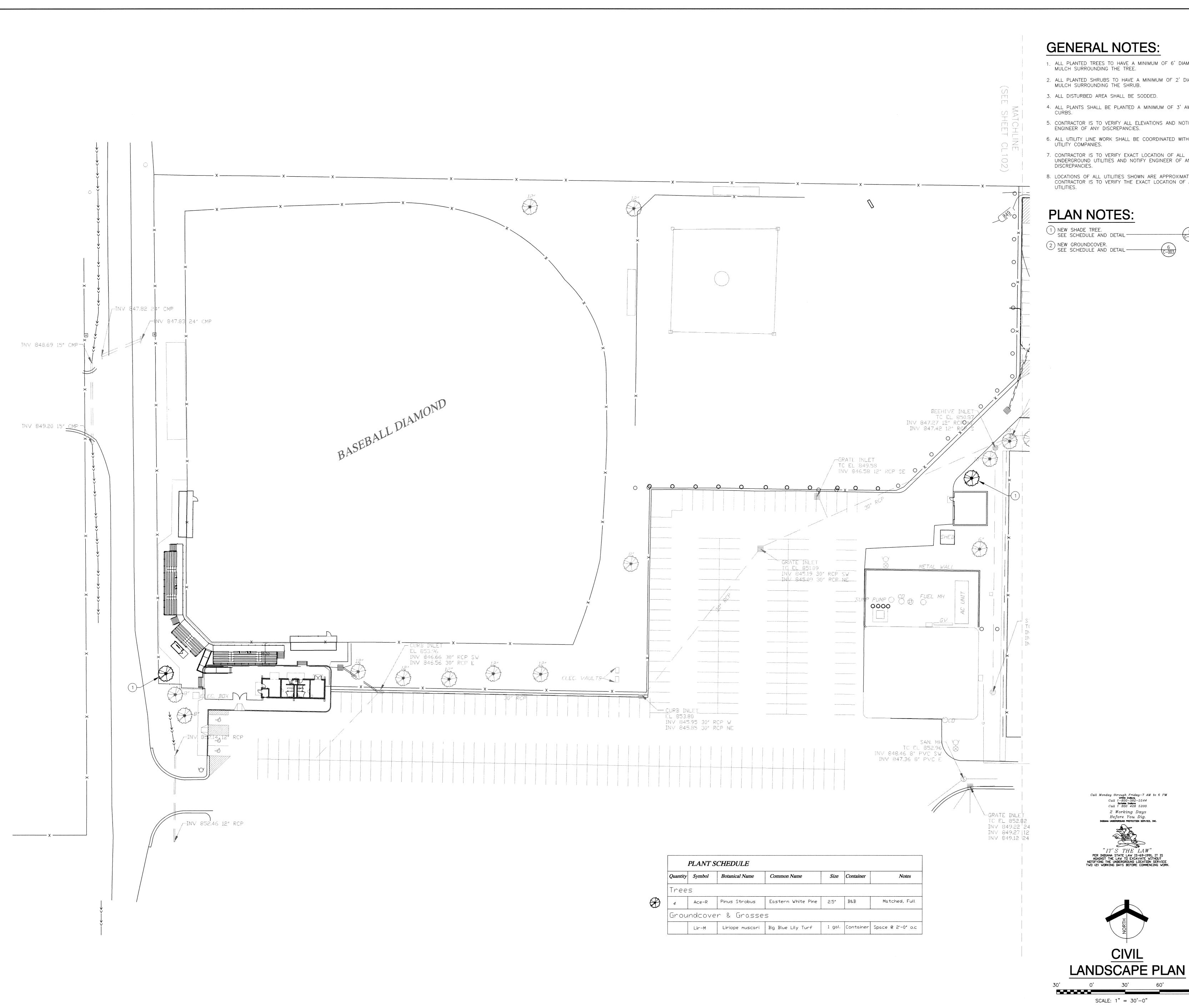


SCALE: 1'' = 20'-0''

DRAWING CIVIL UTILITY PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

GIBRALTAR DESIGN SHEET CU103



- ALL PLANTED TREES TO HAVE A MINIMUM OF 6' DIAMETER OF MULCH SURROUNDING THE TREE.
- ALL PLANTED SHRUBS TO HAVE A MINIMUM OF 2' DIAMETER OF MULCH SURROUNDING THE SHRUB.
- 3. ALL DISTURBED AREA SHALL BE SODDED.
- 4. ALL PLANTS SHALL BE PLANTED A MINIMUM OF 3' AWAY FROM
- 5. CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
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- 8. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL UTILITIES.

PLAN NOTES:

1) NEW SHADE TREE. SEE SCHEDULE AND DETAIL— 2 NEW GROUNDCOVER. SEE SCHEDULE AND DETAIL————



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PROJECT SITE **IMPROVEMENTS** TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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DRAWING CIVIL LANDSCAPE PLAN

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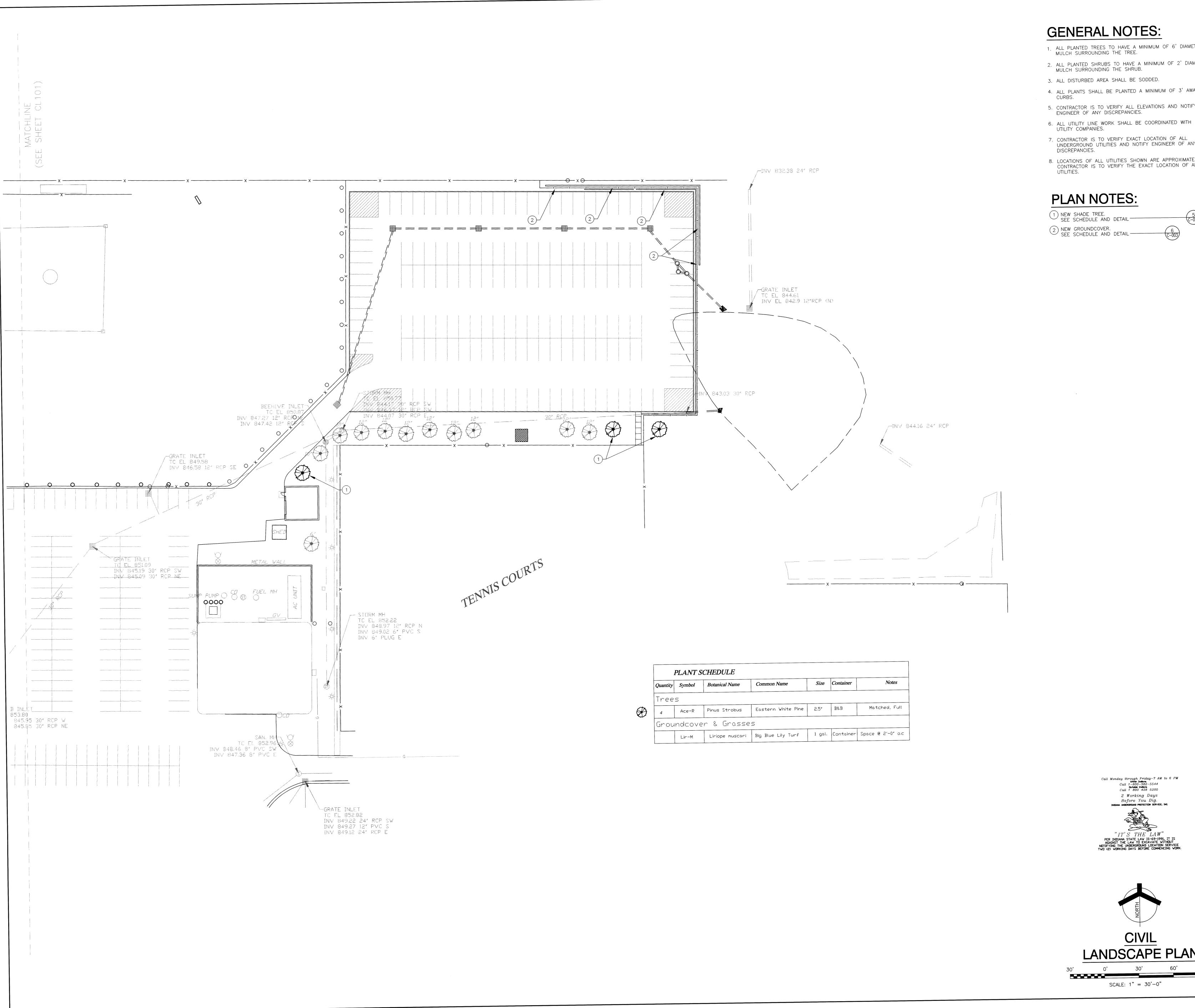
"IT'S THE LAW"

PER INDIANA STATE LAW IS-69-1991, IT IS

AGAINST THE LAW TO EXCAVATE WITHOUT

NOTIFYING THE UNDERGROUND LOCATION SERVICE

TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



- ALL PLANTED TREES TO HAVE A MINIMUM OF 6' DIAMETER OF MULCH SURROUNDING THE TREE.
- ALL PLANTED SHRUBS TO HAVE A MINIMUM OF 2' DIAMETER OF MULCH SURROUNDING THE SHRUB.
- 3. ALL DISTURBED AREA SHALL BE SODDED.
- 4. ALL PLANTS SHALL BE PLANTED A MINIMUM OF 3' AWAY FROM
- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- UTILITY COMPANIES.
- CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 8. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL UTILITIES.

PLAN NOTES:

1 NEW SHADE TREE. SEE SCHEDULE AND DETAIL 2 NEW GROUNDCOVER. SEE SCHEDULE AND DETAIL ———



GIBRALTAR **DESIGN** ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

SITE **IMPROVEMENTS** TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 300 Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778 PROJECT 08-611 COORDINATED B STATE OF DRAWN BY CHECKED BY COPYRIGHT NOTICE: THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT. REVISIONS MARK DATE ISSUED FOR

CIVIL LANDSCAPE PLAN PROJECT
SITE IMPROVEMENTS TO LAWRENCE CIVIL CENTRAL HS LANDSCAPE PLAN

Call Monday through Friday-7 AM to 6 PM

Within Indiana.

Call 1-800-382-5544

Burtsde Indiana

Call 1 800 428 5200

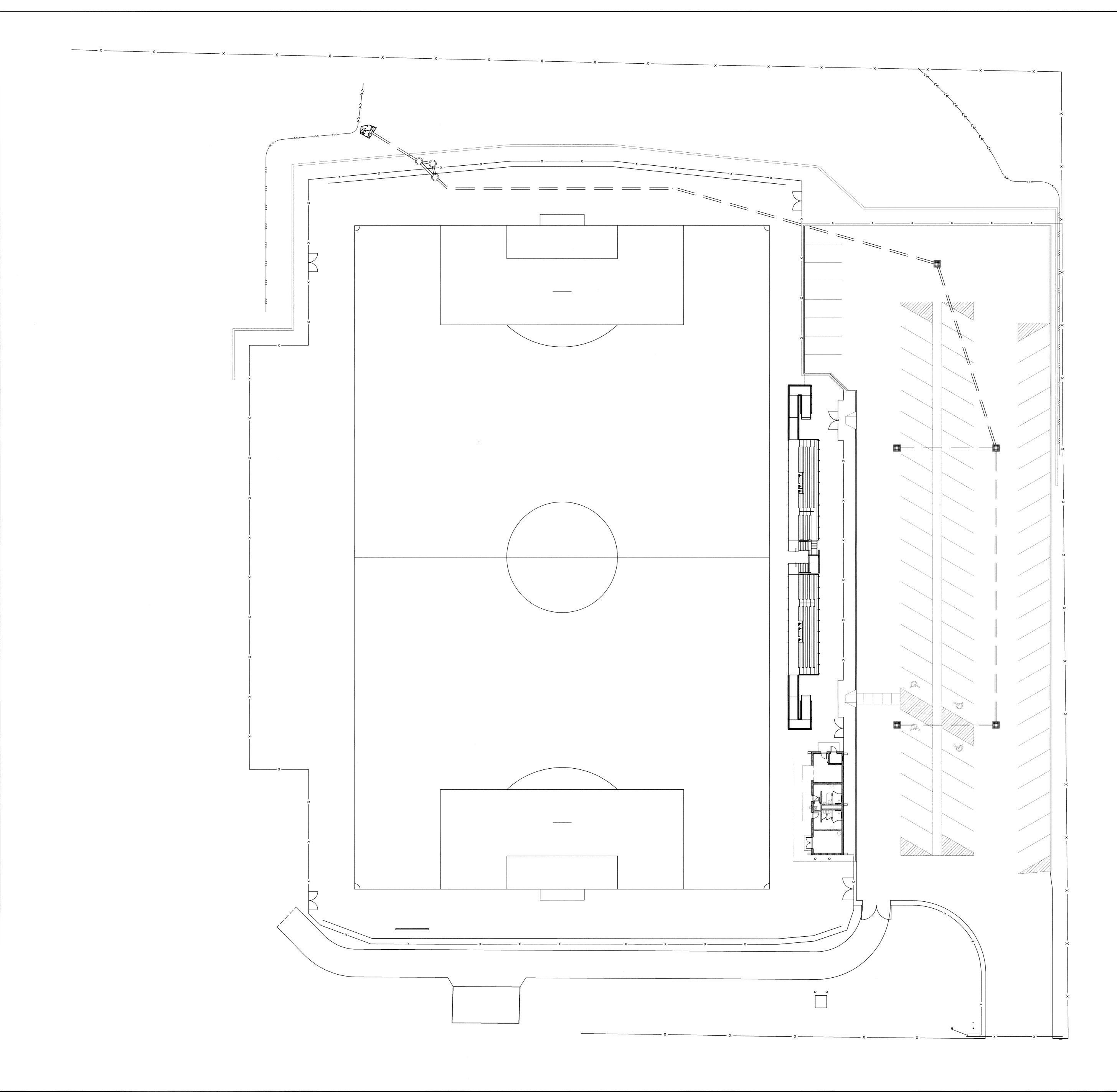
2 Working Days $Before\ You\ Dig.$ Indiana underground protection service, inc.

"IT'S THE LAW"

PER INDIANA STATE LAV IS-69-1991, IT IS
AGAINST THE LAW TO EXCAVATE WITHOUT
NOTIFYING THE UNDERGROUND LOCATION SERVICE
TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

SCALE: 1" = 30'-0"

GIBRALTAR DESIGN SHEET CL102



- ALL PLANTED TREES TO HAVE A MINIMUM OF 6' DIAMETER OF MULCH SURROUNDING THE TREE.
- ALL PLANTED SHRUBS TO HAVE A MINIMUM OF 2' DIAMETER OF MULCH SURROUNDING THE SHRUB.
- 3. ALL DISTURBED AREA SHALL BE SODDED.
- 4. ALL PLANTS SHALL BE PLANTED A MINIMUM OF 3' AWAY FROM
- CONTRACTOR IS TO VERIFY ALL ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL UTILITY LINE WORK SHALL BE COORDINATED WITH UTILITY COMPANIES.
- CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL UTILITIES.

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT SITE **IMPROVEMENTS**

TO LAWRENCE CENTRAL HIGH SCHOOL

GIBRALTAR

DESIGN

RELATED **WORK**

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 300

Indianapolis, IN 46260 Homepage www.GibraltarDesign.com Email info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778

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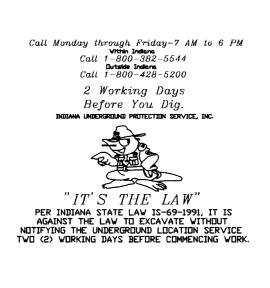
MARK DATE ISSUED FOR

DRAWING CIVIL LANDSCAPE PLAN

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

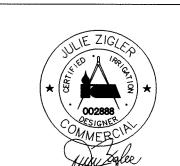
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CL103





SCALE: 1" = 20'-0"



REVISIONS: INITIAL:

1.15.09

DRAWN BY: CHECKED BY

1"=30'-0"

IRRIGATION PLAN

SHEET:

MANUFACTURER Rain Bird 7005-14-H 12-Q * Rain Bird 7005-14-F *

◆ Sports Turf Rotor ◆ Sports Turf Rotor Quick Couple Valve Rain Bird 5RC Sta-Rite SRJHG 2-Horse B Booster Pump Wilkins 2" RP (By Others) N Backflow Preventer (By others) C Controller Rain Bird ESP-LX Modular

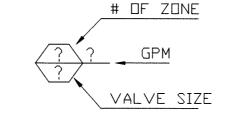
Rain Bird RSD-BEx Remote Control Valves Rain Bird 150 PGA Series - 1.25" 160 PSI SDR 26 PVC Lateral Pipe

2" 160 PSI SDR 26 PVC Lateral Pipe
2" 160 PSI SDR 26 PVC Mainline Pipe Irrigation
Design Source

- 1.5" 160 PSI SDR 26 PVC Lateral Pipe

S U P P L Y C 0 M P A N Y 116 SHADOWLAWN DRIVE FISHERS, IN 46038 317/842-3123 800/842-3911 Fax 317/845-0977

lpha When using the same nozzles in the 7005 part & full circle rotors, run the full circle twice as long as the part circles in the schedule.



(317) 585-0167 OFFICE

(317) 585-0168 FAX www.irrigationdesignsource.com

LEGEND

DESCRIPTION

GENERAL IRRIGATION NOTES:

1. This irrigation design is diagrammatic. Actual layout of piping, sprinkler heads, valves, controllers and related equipment shall be determined on site. Minor field adjustments shall be made at no additional cost to the Owner.

2. It is the responsibility of the irrigation contractor to be familiar with all grades difference, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as designed. Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that unknown obstructions, grades or dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and cost necessary.

3. The irrigation system design is based on running irrigation zones at an assumed minimum operating pressure of 50psi @ the p.o.c. w/ a 41 lb psi boost and a maximum flow demand of 54gpm. The irrigation contractor shall verify water pressures prior to construction. Report differences between requirements and actual readings to the Owner's authorized representative. The point of connection location and starting pressure is approximate. Verify exact location and pressure in the field with the Owner's representative. The flow demand for individual mainlines shall not exceed the following guidelines.

2" Class 200=36-55gpm

4. The Owner shall provide power source at the controller and booster location. The irrigation contractor shall make the final connection from the electrical source to the controller.

5. A Rain Sensor shall be installed in the vicinity of the controller coordinate mounting location with the Owner.

6. A quick coupling valve shall be located at the irrigation water supply point of connection to provide for a point of injection of compressed air to purge the system of retained water for winterization.

7. Pipe size shall conform to those shown on drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions for larger sizes may be approved. Minimum pipe shall be 1".

8. All pipe and communication wire under hardsurfaces shall be placed in separate sleeving. All wire shall run, whenever possible with the mainline. 9. All lateral zones shall be connected to the mainline with PVC pipe and

sized as follows: 1" Class 200=0-17gpm 1.25" Class 160=18-28gpm 1.5" Class 160=29-35gpm 2" Class 160=36-55gpm

10. All sprinkler heads shall be set perpendicular and flush to finish grade and with a clearance of 2" (min.) from the edge of any hardscape unless otherwise specified.

11. All sprinkler heads and valves shall be flushed and adjusted for optimum coverage with minimum over spray on hardscapes or buildings.

12. All irrigation equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.

Call before you dig.

13. Refer to the specifications for additional detailed information.

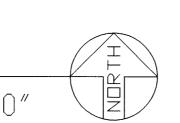
IRRIGATION PLAN

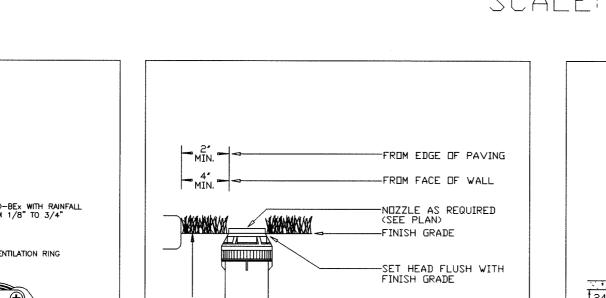
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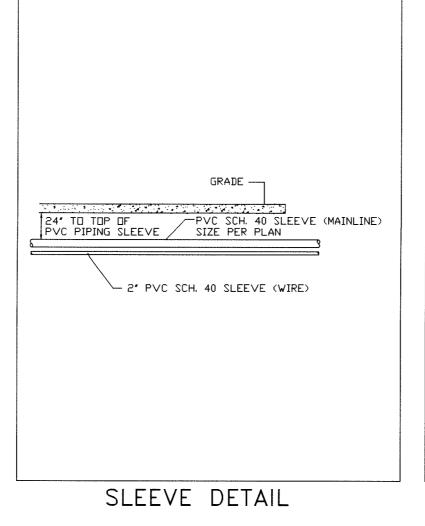
742 1.5

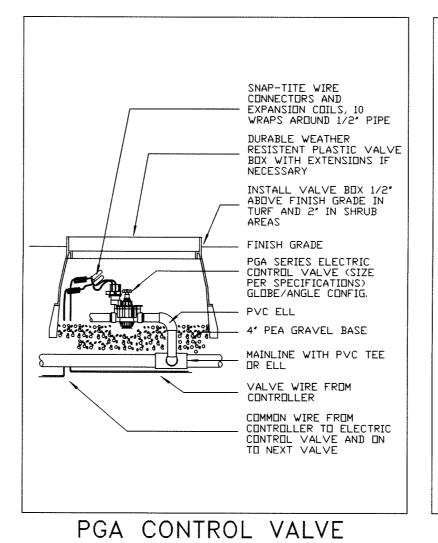
SCALE: 1"=30'-0"

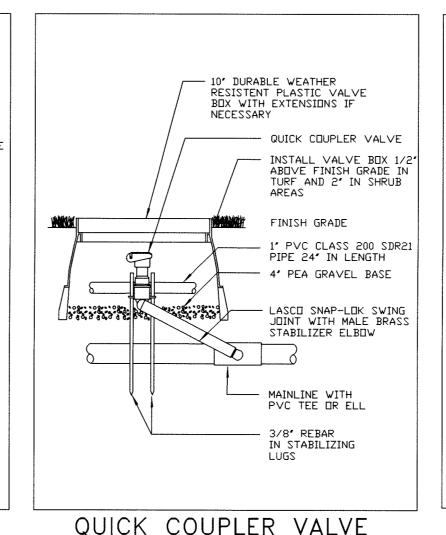
(Verify Existing PDC and pressure onsite)

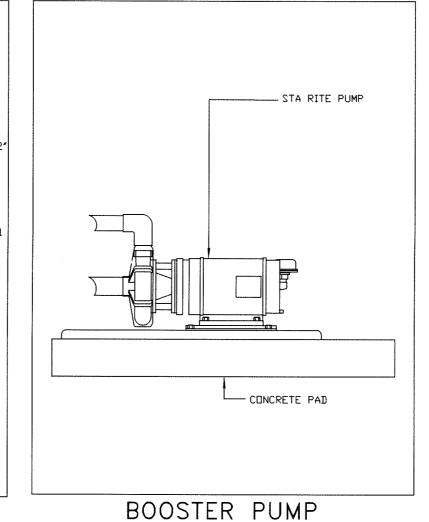






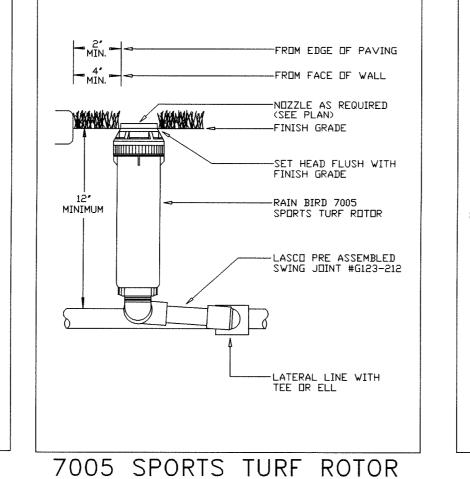


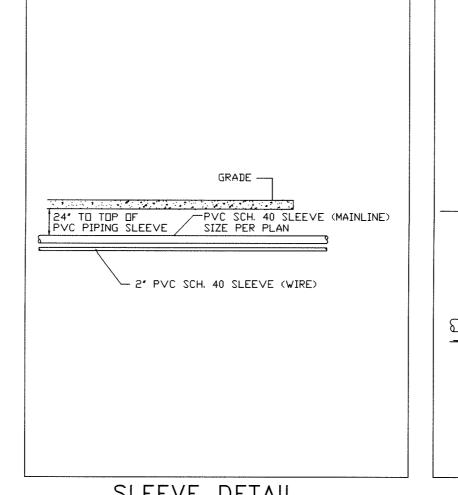




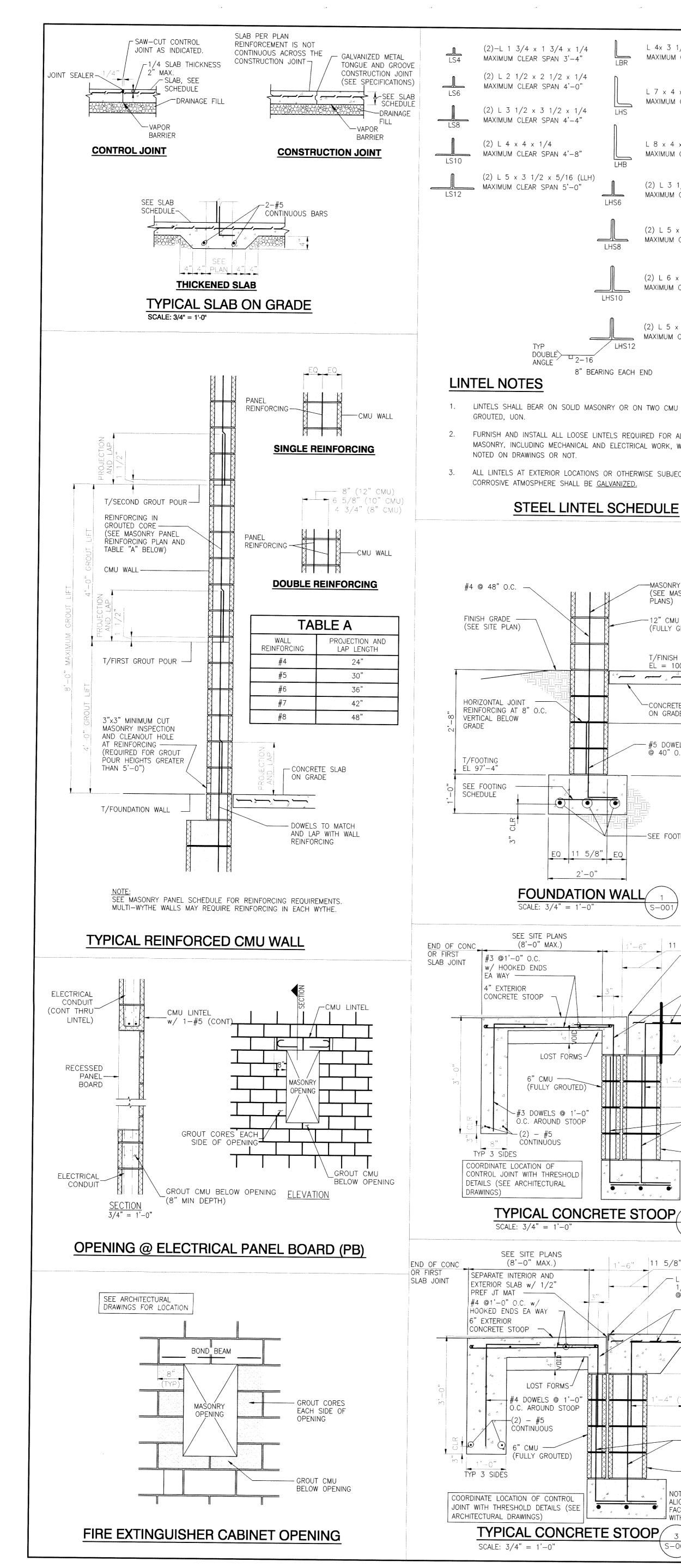
RAIN BIRD CONTROLLER: RAIN BIRD ESP-LX-MODULAR OUTDOOR WALL MOUNT -1.5-INCH PVC SCH 40 CONDUIT -JUNCTION BOX WIRES TO REMOTE CONTROL 1-INCH PVC SCH 40 CONDUIT CONTROLLER - WALL MOUNT

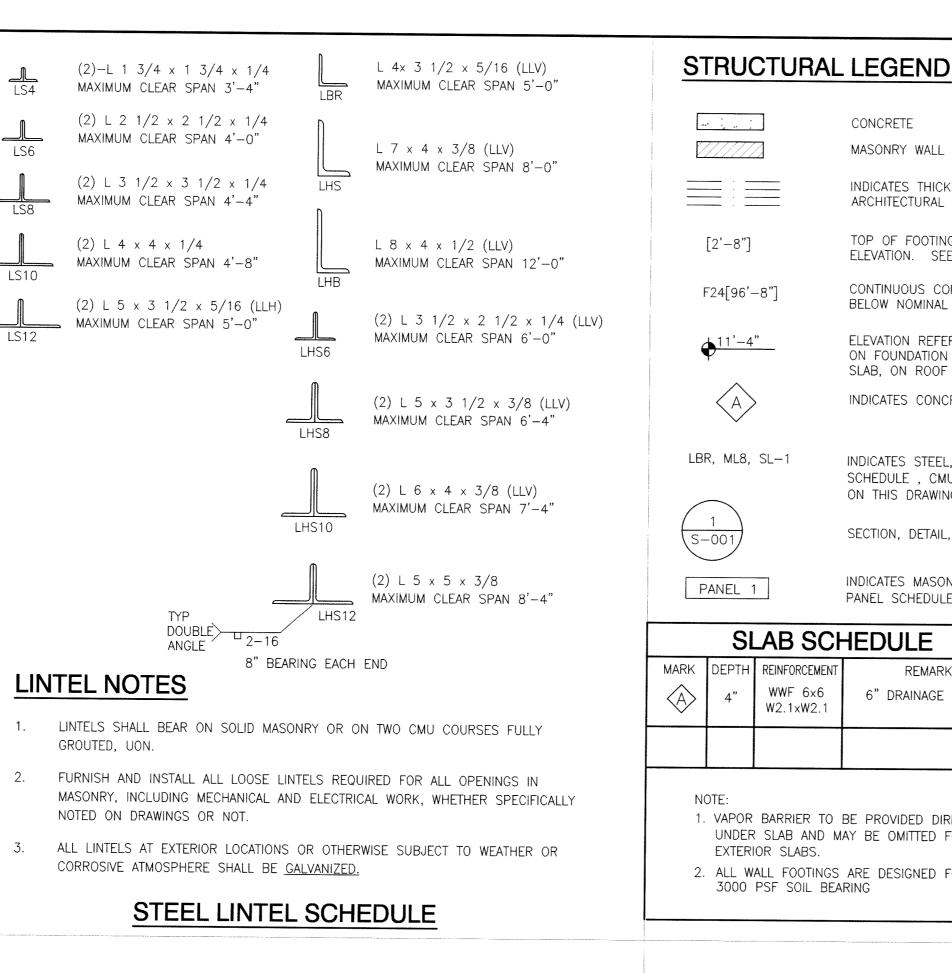
- RAIN BIRD RSD-BEx WITH RAINFALL SETTINGS FROM 1/8" TO 3/4" -ADJUSTABLE VENTILATION RING ALUMINUM MOUNTING BRACKET -RAIN SENSOR RSD-BEX





QUICK COUPLER VALVE





—MASONRY PANEL REINFORCING

(SEE MASONRY REINFORCING

(FULLY GROUTED)

T/FINISH FLOOR

 $\dot{E}L = 100' - 0''$

-CONCRETE SLAB

سهر بسشر بسير بنسر

ON GRADE

5 DOWELS

-SEE FOOTING SCHEDULE

11 5/8" WALL BEYOND

√#4 DOWELS

(TYP.)

<u>ائ</u>رە بىب سىسىل

-SEPARATE INTERIOR

AND EXTERIOR SLAB

w/ 1/2" PREF JT

(FULLY GROUTED)

16" BEARING

(GROUT FULL

HEIGHT BELOW)

NOT AVAILABLE.

CMU LINTEL NOTES

1. FILL 4" AND 6" MASONRY UNITS WITH FINE GROUT AND ALL OTHERS.

2. ALL REINFORCING BARS ARE HOOKED AT THE ENDS.

5. MAXIMUM SPANS DO NOT APPLY TO LOAD BEARING WALLS.

6. BOND PATTERN OF LINTEL TO MATCH ADJACENT WALL.

WITH COARSE GROUT. REFER TO SPECIFICATIONS SECTION DETAILS.

3. FOR TYPE OF CMU AND TYPE OF BOND REFERENCE SPECIFICATION SECTION 04200.

4. LINTELS SHALL BEAR ON SOLID CMU OR BEAR ON 2 FILLED COURSED, UON.

7. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.

8. 14" LINTELS MAY BE MADE UP OF TWO PIECES IF 14" BOND BEAM UNITS ARE

CMU LINTEL SCHEDULE

9. FURNISH AND INSTALL ALL LINTELS REQUIRED FOR ALL OPENING IN MASONRY, INCLUDING

MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.

1'-6" 11 5/8" WALL BEYOND

1/4" DIA ANCHORS

ALIGN EXTERIOR FACE OF L 2x2x1/4

@ 2'-0" O.C.

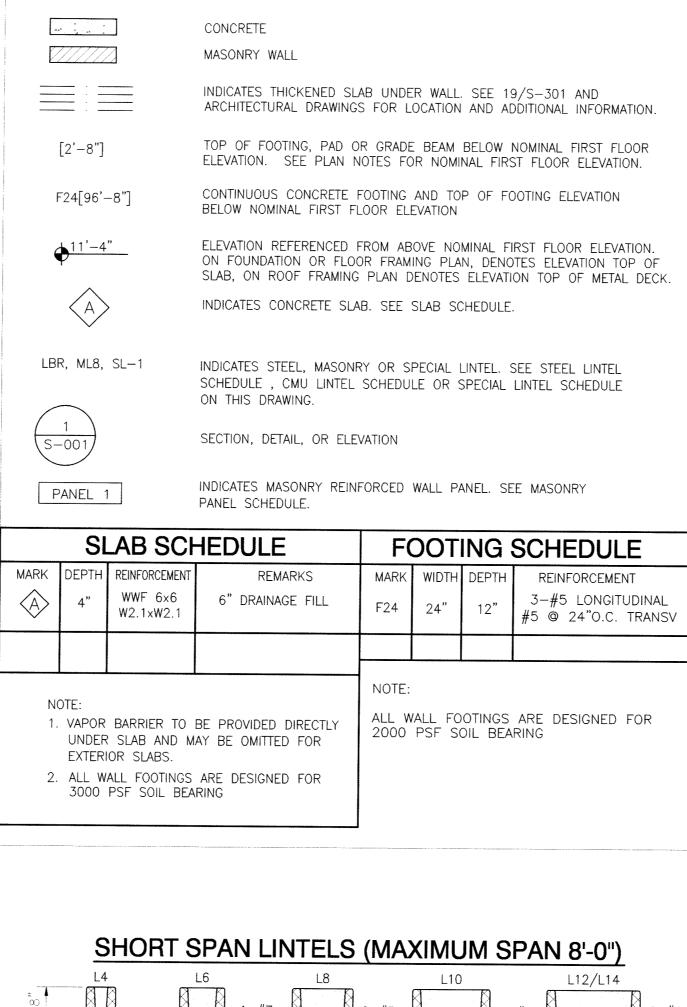
(TYP.)

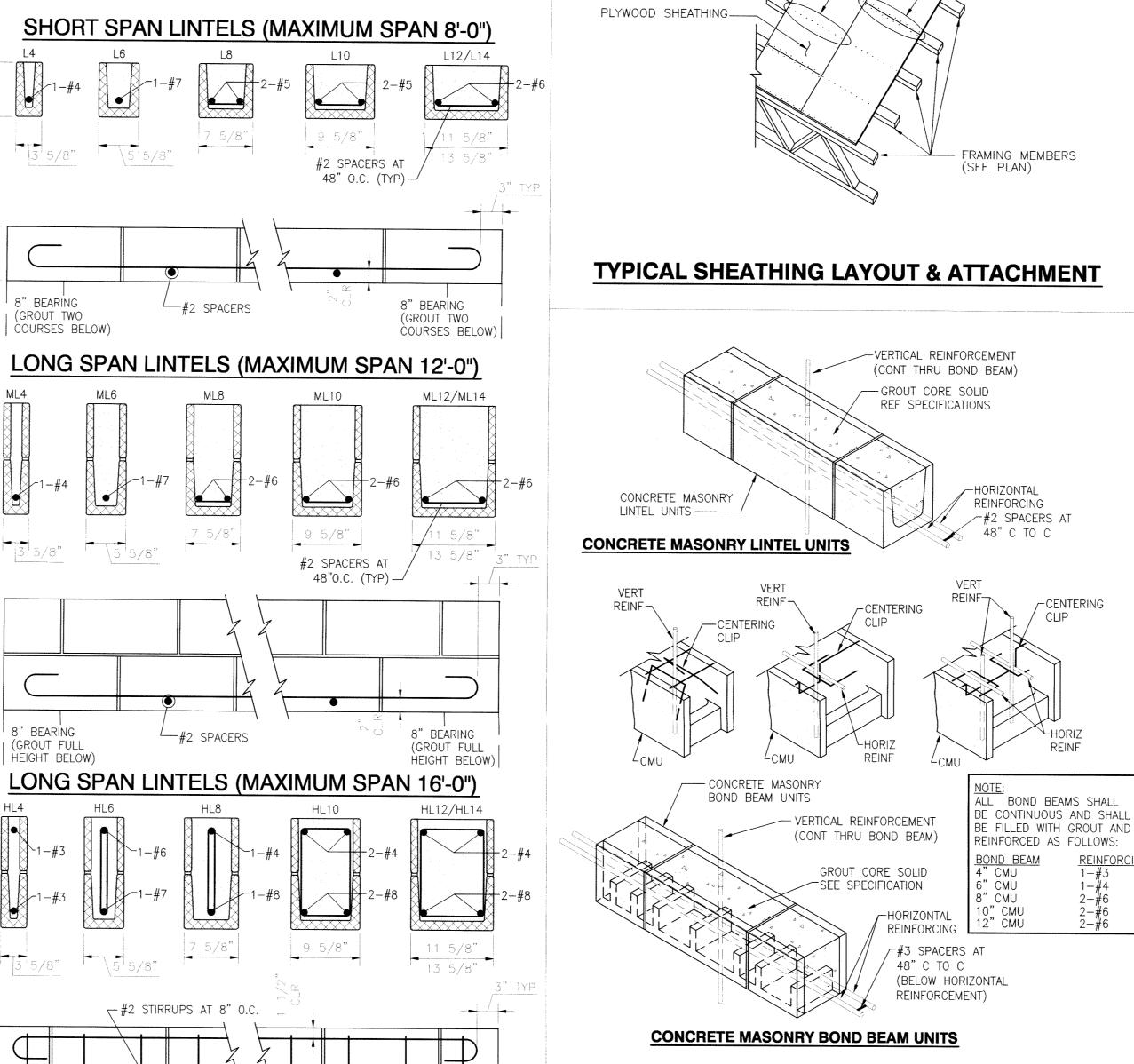
@ 2'-0" O.C.

(FULLY GROUTED)

WITH WALL BEYOND

LHS10





16" BEARING

(GROUT FULL

HEIGHT BELOW)

STRUCTURAL ABBREVIATIONS

CONCRETE MASONRY UNIT

CENTER TO CENTER

CLEAR/CLEARANCE

LONG LEG HORIZONTAL

LONG LEG VERTICAL

LATERAL

MAXIMUM

MINIMUM

MASONRY

NOT IN CONTRACT

NORTH

NUMBER

OUT TO OUT

REINFORCING

REQUIRED

SOUTH

SECTION

SIMILAR

SPACE

STEEL

STANDARD

STRUCTURAL

TYPICAL

VERTICAL

— INTERMEDIATE NAILING

WEST

TOP OF STEEL

THICK/THICKNESS

VERIFY IN FIELD

WELDED WIRE FABRIC

- EDGE NAILING

UNLESS OTHERWISE NOTED

SPECIFICATIONS

OPPOSITE HAND

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

OPENING

MECHANICAL

LONGITUDINAL

LONG

MECH

NO/#

OPNG

REINF

REQ'D

SECT

SIM

SPA

STRUCT

0 TO 0

MIN

ARCHITECTURAL

BOTTOM

REARING

COLUMN

DRAWING

EACH FACE **ELECTRICAL**

ELEVATION

EQUIPMENT

EACH WAY

EXPANSION

FOUNDATION

HORIZONTAL

HIGH STRENGTH

GENERAL CONTRACTOR

FOOTING

EXISTING

FINISH

FLOOR

EQUAL

CONSTR

CONCRETE

CONTINUOUS

CONTRACTOR

CONSTRUCTION

CENTERLINE

TYPICAL CMU BOND BEAM

PANEL MARK	(BACK-UP) REINFORCING TOP OF BOND BEAM		REMARKS	DETAIL		
	(BACK-OI)	SIZE	SPA	22277110110		
PANEL 1	12"	#5	40"	109'-4"	INSP	_
PANEL 2	12"	#5	40"	114'-0"	INSP	

1. (INSP) = MASONRY INSPECTION REQUIRED (SEE SPECIFICATIONS. 2. FOR HORIZONTAL JOINT REINFORCING SIZE AND SPACING SEE

REINFORCING

- SPECIFICATIONS. 3. REINFORCING SCHEDULED HERE IN APPLIES TO THAT PORTION OF THE WALL ABOVE THE FOUNDATION WALL. SEE FOUNDATION PLANS FOR FOUNDATION WALL
- 4. ALL REINFORCED MASONRY WALLS TO HAVE BOND BEAM AT OR NEAR TOP OF WALL. 5. ALL EXTERIOR REINFORCED MASONRY PARAPET WALLS W/BOND BEAMS SHOWN AT TOP OR NOT MUST BE GROUTED SOLID DOWN TO NEXT BOND BEAM ELEVATION (SEE ARCH)

MASONRY WALL SCHEDULE

GENERAL DESIGN NOTES
1. BUILDING CODE INTERNATIONAL BUILDING CODE — (WITH INDIANA ADMENDMENTS) 2. DESIGN LOADS:
ROOF LOADS: DL (PSF) GENERAL 34
3. SNOW LOAD INFORMATION: GROUND SNOW LOAD (Pg) - 20 PSF SNOW EXPOSURE FACTOR (Ce) - 0.9 SNOW LOAD IMPORTANCE FACTOR (Is) - 1.1 THERMAL FACTOR (Ct) - 1.0 FLAT ROOF SNOW LOAD (Pf) - 22 PSF
4. WIND LOAD INFORMATION: BASIC WIND SPEED (3 SECOND GUST) — 90 MPH WIND IMPORTANCE FACTOR — 1.15 BUILDING CATEGORY — II WIND EXPOSURE — C INTERNAL PRESSURE COEFFICIENT (GCpi) — ±0.18

5. SEISMIC DESIGN DATA: SEISMIC USE GROUP - II SPECTRAL RESPONSE COEFFICIENTS Sds - 0.14Sd1 - 0.10SITE CLASS - D

BASIC SEISMIC-FORCE-RESISTING SYSTEM - 2P DESIGN BASE SHEAR (V) - 0.043W ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE 6. VERIFY ALL EXISTING CONDITIONS. WHERE ACTUAL CONDITIONS ARE DIFFERENT THAN INDICATED ON THE DRAWINGS, CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.

GENERAL FOUNDATION/CONCRETE NOTES

- 1. ALL CONCRETE SHALL BE STONE/GRAVEL AGGREGATE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS NOTED IN THE SPECIFICATIONS. 2. ALL REINFORCING STEEL SHALL CONFORM, TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
- 3. ALL FOOTINGS AND PADS ARE DESIGNED TO BEAR ON UNDISTURBED SOIL WITH AN ALLOWABLE BEARING CAPACITY OF 2500 PSF AND 3000 PSF, RESPECTIVELY. 4. PROVIDE HORIZONTAL WALL REINFORCING IN ALL CONCRETE BLOCK FOUNDATION WALLS EVERY COURSE. THIS WALL REINFORCING SHALL LAP AT ALL WALL INTERSECTIONS.
- 5. INTERIOR AND EXTERIOR BACKFILLING SHALL BE ACCOMPLISHED SIMULTANEOUSLY. 6. ALL BUILDING EXTERIOR FOUNDATION WALLS SHALL BE INSULATED WITH PERIMETER INSULATION. INSTALL INSULATION FROM TOP OF FOOTING UP TO BOTTOM OF FLOOR SLAB, UNLESS SHOWN OR NOTED OTHERWISE.
- . PROVIDE EXPANSION STRIP FULL DEPTH OF SLAB AT ALL INTERSECTIONS OF SLAB-ON-GRADE WITH VERTICAL SURFACES BOTH INTERIOR AND EXTERIOR EXCEPT WHERE GRADE IS ABOVE THE FLOOR SLAB ON ADJACENT SIDE OF WALL. 8. UNLESS NOTED OR SHOWN OTHERWISE, PROVIDE CONSTRUCTION JOINTS OR CONTROL

JOINTS IN CONCRETE SLABS-ON-GRADE AT A MAXIMUM SPACING AS FOLLOWS:

EXPOSED CONCRETE SLABS: 36 TIMES THE SLABS THICKNESS CONCEALED CONCRETE SLABS: 48 TIMES THE SLABS THICKNESS. 9. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SLAB JOINTS.

GENERAL MASONRY NOTES

1. ALL CONCRETE MASONRY ASSEMBLAGES ARE DESIGNED FOR AN ULTIMATE COMPRESSIVE STRENGTH f'm = 1500 PSI.

- ALL BEAMS AND LINTELS WHICH BEAR ON MASONRY SHALL BEAR A MINIMUM OF 8 INCHES ONTO MASONRY UNLESS OTHERWISE NOTED. 3. BLOCK WALLS SHALL BE LAID UP IN A RUNNING BOND PATTERN UNLESS OTHERWISE NOTED.
- 4. PROVIDE BRACING FOR ALL NON-LOAD BEARING BLOCK

PARTITION WALLS PER THE TYPICAL BRACING DETAILS.

- 5. "C" INDICATES COLUMN CONNECTION REQUIRED AT ONE OR BOTH ENDS.
- 6. ALL MASONRY WALLS ON FOUNDATIONS (INTERIOR AND EXTERIOR) SHALL BE REINFORCED WITH #5 AT 48" C TO C UNLESS OTHERWISE NOTED.

GENERAL WOOD NOTES

SEE PLANS FOR LOCATION.

- 1. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT SELF WEIGHT PLUS LIVE AND SUPERIMPOSED DEAD LOADS INDICATED ON THE PLANS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT'S CONSTRUCTION FOR REVIEW PRIOR
- TRUSS BRIDGING REQUIREMENTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES AND ALL APPLICABLE LEGAL REQUIREMENTS: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (NDS) DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES TRUSS PLATE INSTITUTE (TPI) WOOD TRUSS COUNCIL OF AMERICA (WTCA)
- FABRICATE WOOD TRUSSES IN STRICT CONFORMANCE TO CURRENT EPA REQUIREMENTS REGARDING THE USE OF TREATED LUMBER AND PLATED CONNECTIONS. 4. ALL TRUSS EXTENDED ENDS SHALL BE DESIGNED TO CARRY THE ALLOWABLE UNIFORM LOADS FOR THAT TRUSS.
- 5. TRUSSES INDICATED ON THE PLANS AND BUILDING SECTIONS ARE CONCEPTUAL. THE TRUSS MANUFACTURER SHALL DESIGN AND DIMENSION TRUSSES TO ACHIEVE THE PROFILES AS SHOWN. TRUSS SUPPLIER SHALL BE RESPONSIBLE FOR DIMENSIONS, SPACING AND ANY SPECIAL CONNECTIONS REQUIRED, INCLUDING HANGERS FOR TRUSS
- TO TRUSS GIRDERS, MULTIPLE TRUSS NAILING, TRUSS TO BEARING SURFACES, BEARING BLOCKS, ETC. AND BE INDICATED ON THE SHOP DRAWINGS. SAWN LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY. JOISTS, LEDGERS, BEAMS, ET SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. (SPRUCE-PINE-FIR OR EQUAL)

JOISTS	Fb (PSI)	Fv (PSI)	Fc (PSI)	E (PSI)
2x6 thru 2x12 (CONSTRUCTION)	1000	135	1400	1,300,000
STUDS:				
2×4 (SELECT STRUCTURAL)	1250	135	1400	1,500,000
2×6 (CONSTRUCTION)	1000	135	1400	1,300,000
2x4 (NON-BRG ONLY)	675	135	725	1,200,000

7. PLYWOOD SHALL BE C-D INTERIOR SHEATHING WITH EXTERIOR GLUE AND SHALL BEAR THE STAMP OF AN APPROVED AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS AND STAGGER JOINTS. ALL NAILING, COMMON NAILS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE NAILED AS FOLLOWS (UON)

INTERMEDIATE NAILING ROOF 7/16" OR 1/2" 32/16 8d AT 6" O.C. 8d AT 12" O.C. **FLOOR** 8d AT 6"O.C. 8d AT 10" O.C. 3. AMERICAN PLYWOOD ASSOCIATION PERFORMANCE RATED SHEATHING MAY BE USED AS AN ALTERNATE TO PLYWOOD WITH PRIOR APPROVAL OF OWNER, ARCHITECT, AND ROOFING CONTRACTOR. RATED SHEATHING SHALL HAVE THE SAME THICKNESS, EQUAL OR

BETTER SPAN/INDEX RATIO, AND BE ATTACHED THE SAME AS THE PLYWOOD IT REPLACE

9. PREMANUFACTURED STRUCTURAL COMPOSITE LUMBER, SUCH AS "LVL" AND "MICROLAM M OR L", ETC. SHALL BE DESIGNED IN ACCORDANCE WITH ASTM D5456-01 TO SUPPORT SELF WEIGHT PLUS LIVE AND SUPERIMPOSED DEAD LOADS INDICATED ON THE PLANS. SUBMIT MANUFACTURER'S PERFORMANCE DATA FOR MEMBER SIZES AS INDICATED ON THE PLANS TO THE ENGINEER FOR REVIEW. PROVIDE THE FOLLOWING MINIMUM STRUCTURAL PROPERTIES (UON):

 $E = 1,900 \text{ KSI}, \quad Fb = 2,800 \text{ PSI}, \quad Fv = 285 \text{ PSI}, \quad Fc(PERP) = 750 \text{ PSI}$

10. PREMANUFACTURED LAMINATED WEB I-JOISTS SUCH AS "TJI", "WSI", ETC. SHALL BE DESIGNED IN ACCORDANCE WITH ASTM D5055-00 TO SUPPORT SELF WEIGHT PLUS LIVE AND SUPERIMPOSED DEAD LOADS INDICATED ON THE PLANS. SUBMIT MANUFACTURER'S PERFORMANCE DATA FOR MEMBER SIZES AS INDICATED ON THE PLANS TO THE ENGINEER

11. DO NOT NOTCH OR DRILL JOISTS, BEAMS, OR LOAD BEARING STUDS WITHOUT PRIOR APPROVAL OF THE ARCHITECT/ENGINEER. PROVIDE 2x SOLID BLOCKING AT SUPPORTS OF ALL JOISTS AND AND TRUSSES AS REQUIRED. DOUBLE UP STUDS AT JAMBS. PROVIDE 2x SOLID BLOCKING AT SUPPORTS OF ALL JOISTS AND AND TRUSSES AS REQUIRED. DOUBLE UP STUDS AT JAMBS, AND AS REQUIRED OR INDICATED UNDER BEAMS, TRUSS GIRDERS, ETC. IN BEARING WALLS. PROVIDE 2x SOLID BLOCKING AT MID-HEIGHT OF BEARING STUD WALLS 10' IN HEIGHT OR AS REQUIRED BY THE CODE. PROVIDE BLOCKING OR CROSS BRIDGING AT 8' O.C. FOR ALL CEILING AND FLOOR JOISTS PROVIDE BLOCKING TO MATCH JOIST DEPTH AT 24" O.C. BETWEEN THE BAND OR RIDGE BOARD AND THE FIRST ADJACENT FLOOR JOISTS AT THE TOP OF ALL NON-BEARING STUI WALLS AND BASEMENT OR CRAWL SPACE WALLS . BLOCKING SHALL BE SECURELY FASTENED TO THE FLOOR SHEATHING. ALL NAILING NOT NOTED SHALL BE ACCORDING TO TABLE 602.3 OF THE IBC RESIDENTIAL CODE (UON). JOIST HANGERS AND OTHER MISCELLANEOUS FRAMING ANCHORS SHALL BE AS MANUFACTURED BY SIMPSON COMPANY

OR EQUIVALENT AND HAVE CURRENT I.C.B.O. APPROVAL.



DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT IMPROVEMENTS TO LAWRENCE **CENTRAL HIGH** SCHOOL AND RELATED LAWRENCE CENTRAL HIGH SCHOOL

INDIANAPOLIS, INDIANA

MSD LAWRENCE TOWNSHIP

GIBRALTAR DESIGN

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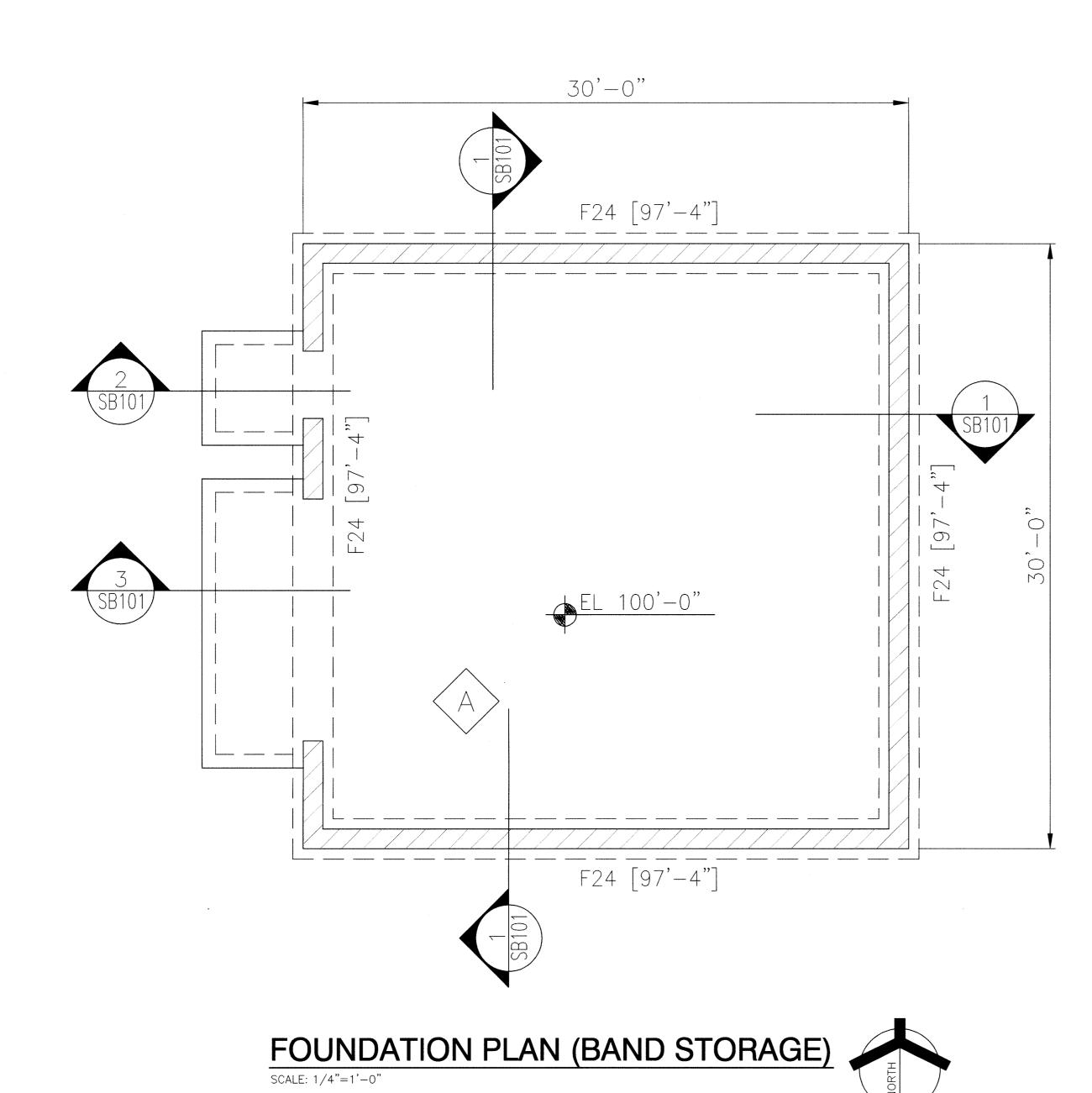
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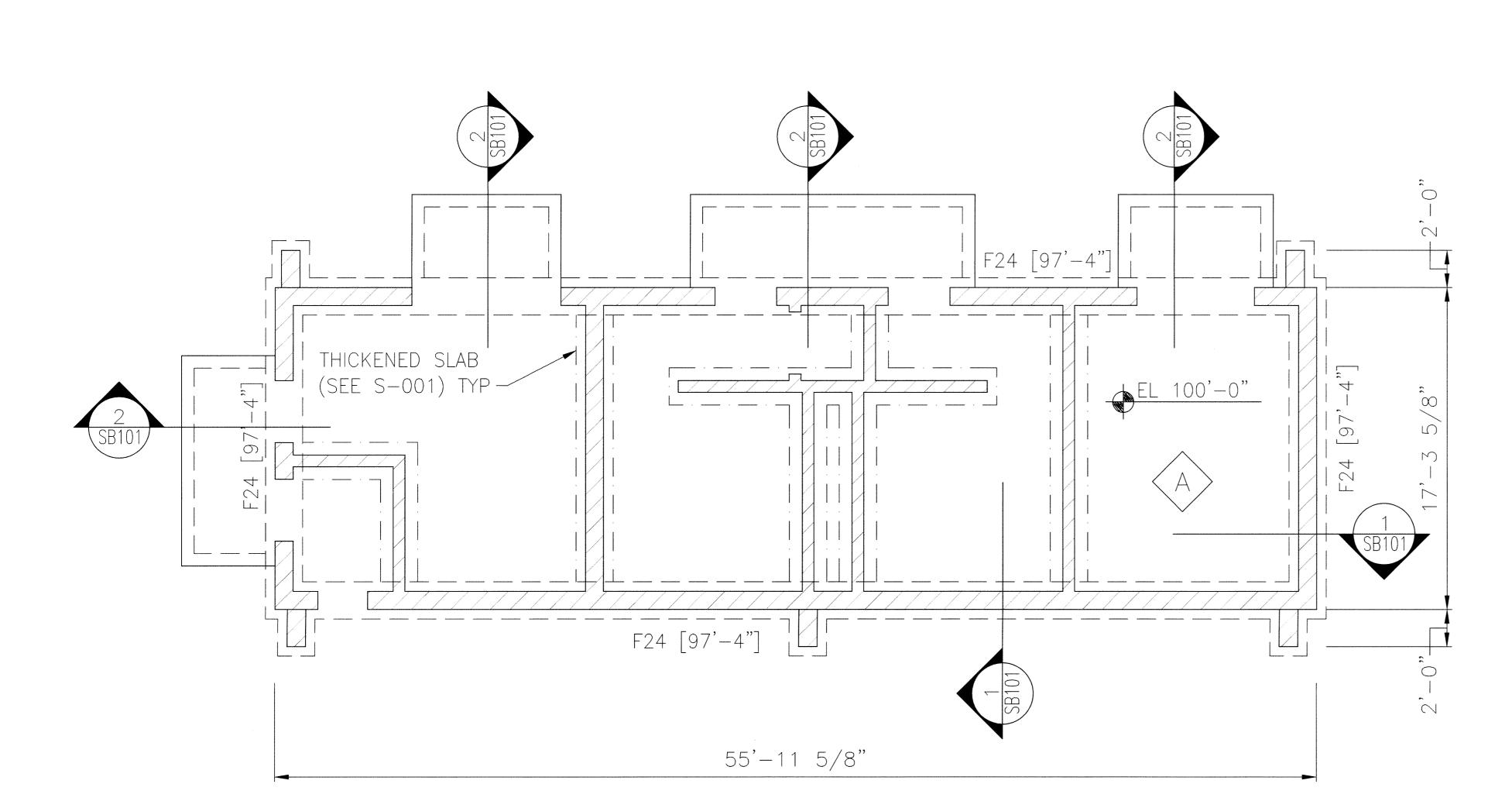
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TYPICAL SECTIONS DETAILS AND NOTES

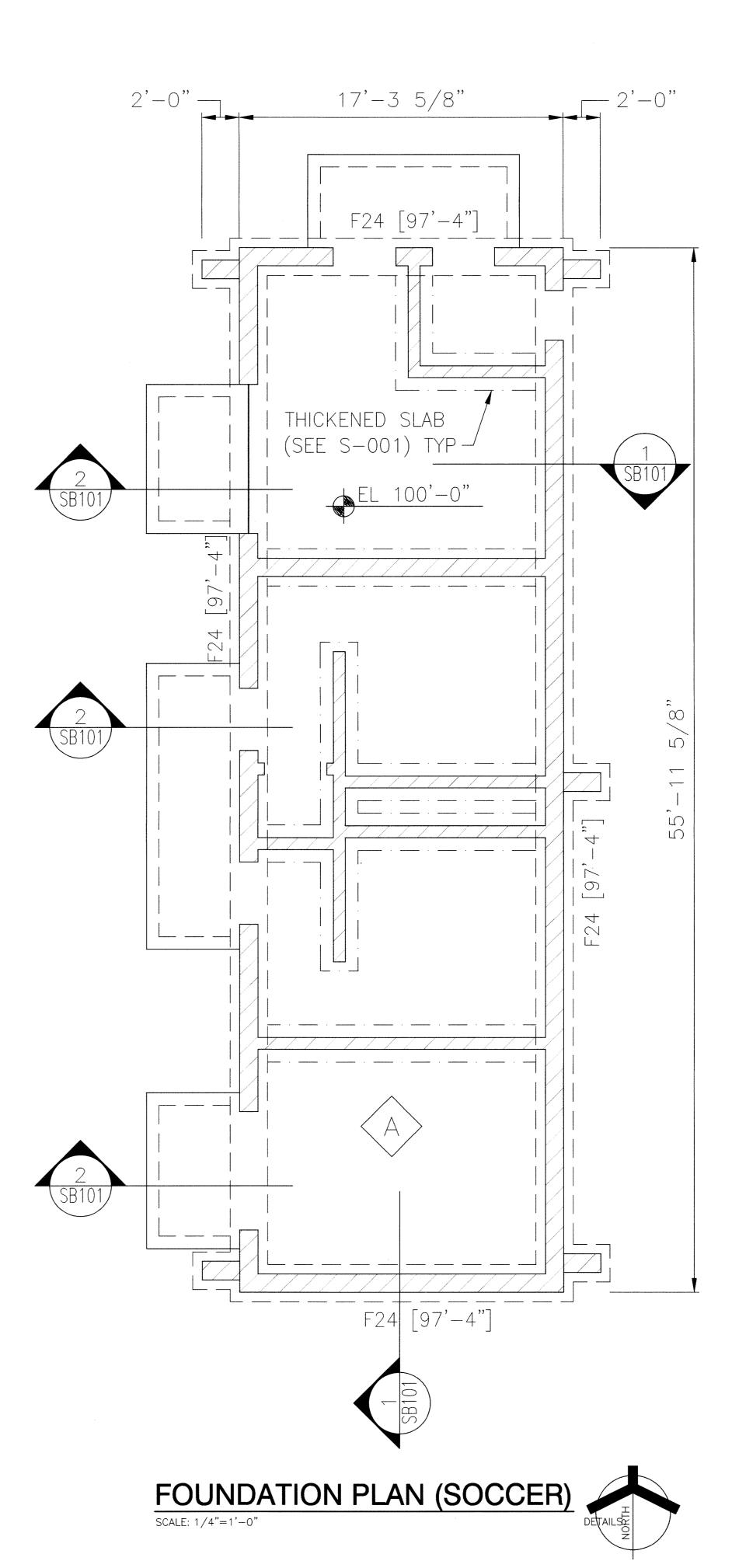
SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

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FOUNDATION/SLAB PLAN NOTES

- SEE SHEET S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
- 2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 100'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS
- 3. SLAB CONTROL AND CONSTRUCTION JOINTS ARE TO BE LAID OUT PER CONTRACTOR PLANNED SEQUENCE OF COMPLETION. (SEE SPECIFICATION)
- 4. SEE S-001 FOR FOUNDATION AND SLAB
- 5. TOP OF INTERIOR FOOTING IS TYPICALLY 1'-0" BELOW FINISH FLOOR ELEVATION UNLESS OTHERWISE NOTED. (SEE PLAN)



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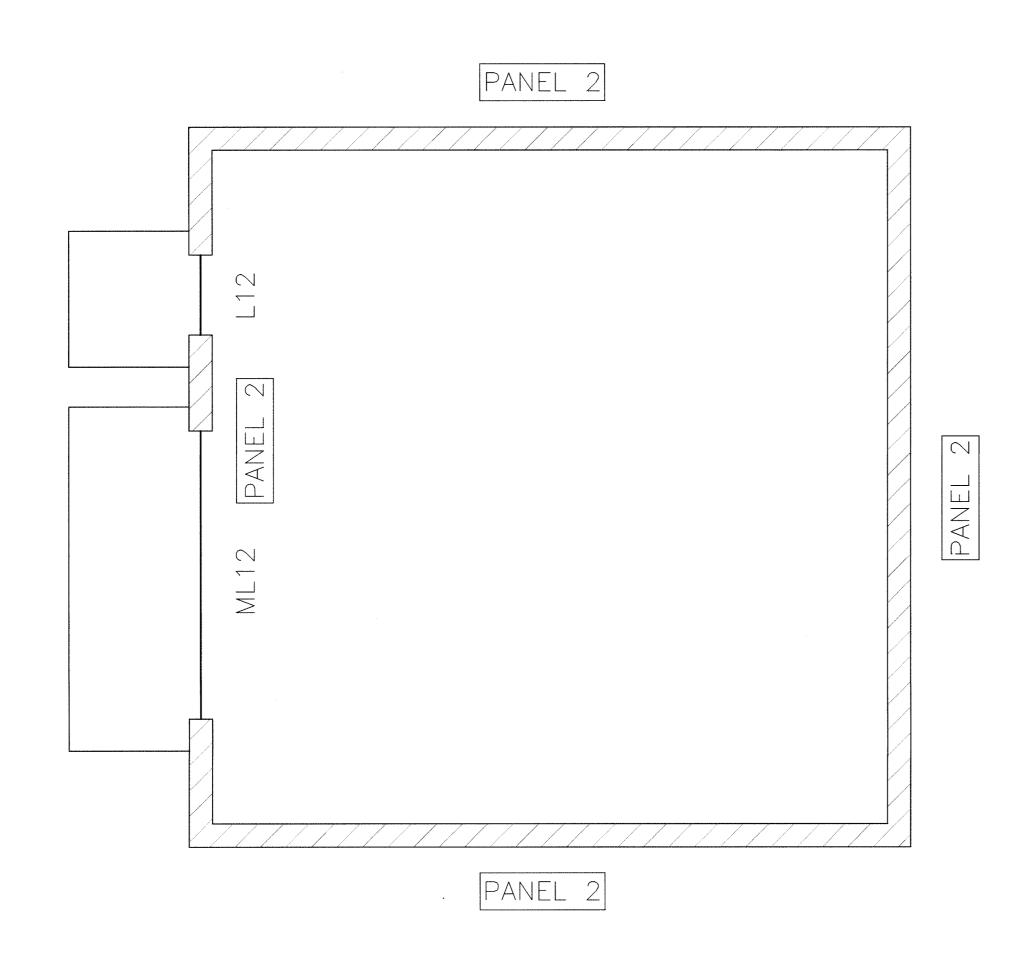
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FOUNDATION PLANS

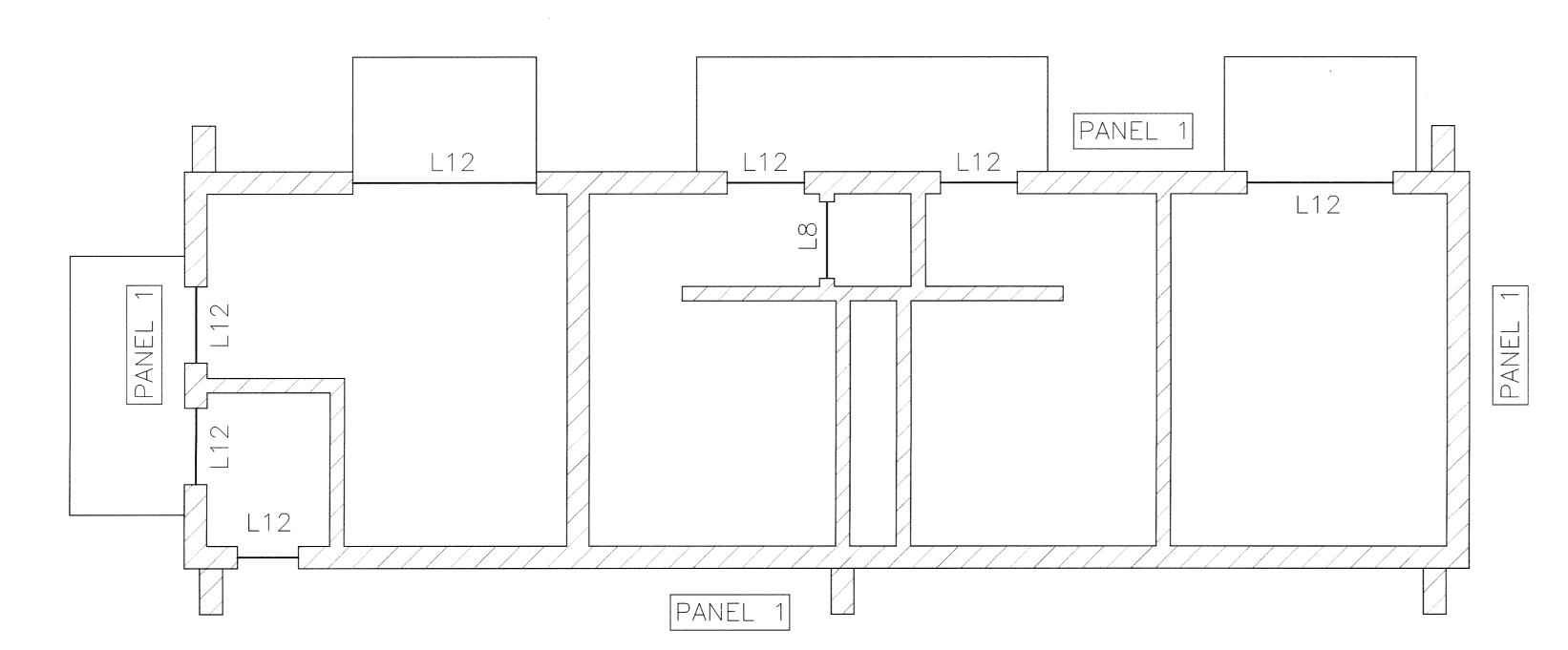
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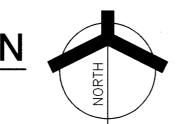


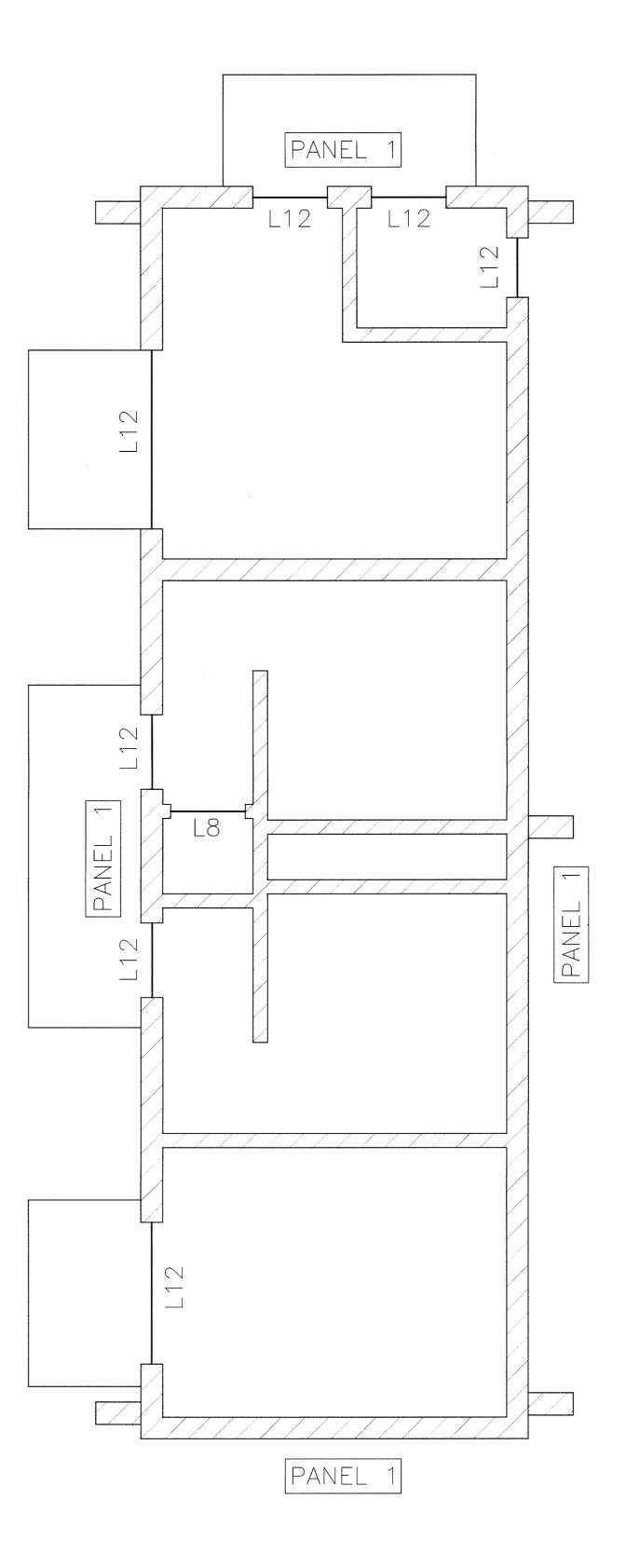
MASONRY PANEL REINFORCING AND LINTEL PLAN SCALE: 1/4"=1'-0" (BAND STORAGE)



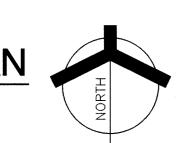


MASONRY PANEL REINFORCING AND LINTEL PLAN SCALE: 1/4"=1'-0" (BASEBALL)





MASONRY PANEL REINFORCING AND LINTEL PLAN SCALE: 1/4"=1'-0" (SOCCER)



MASONRY PANEL REINFORCING/LINTEL PLAN NOTES

- 1. SEE DRAWING S-001 FOR NOTES, SCHEDULES AND TYPICAL DETAILS.
- SEE DRAWING S-001 FOR MASONRY WALL LINTEL DETAILS.
- SEE DRAWING S-001 FOR MASONRY AND STEEL LINTEL SCHEDULES.
- VERIFY ALL LINTEL OPENINGS AND ELEVATIONS WITH ARCHITECTURAL PLAN.
- 5. PANEL ? INDICATES MASONRY WALL PANEL. SEE DRAWING S-001 FOR MASONRY PANEL SCHEDULE AND REINFORCEMENT REQUIREMENTS.
- 6. FOR MULTI-SPAN CONTINUOUS LINTELS MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS UNLESS OTHERWISE

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MASONRY PANEL REINFORCING AND LINTEL PLANS

PROJECT SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

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			RO	MOC	FINISH S	SCHI	EDU	LE					
	ROOM		BASE			WALL						CEILING	
ROUM		OIVI		DAJE		FINISHES				OLILITO			
NO	DESCRIPTION	FLOOR FINISH	MATERIAL	HEIGHT	LIGHTWEIGHT BLOCK	NORTH	SOUTH	EAST	WEST	WINDOW STOOL	MATERIAL	HEIGHT	REMARK:
AA-101	TICKETS	SEALED CONCRETE	VINYL	4"	•	Р	Р	Р	Р		PLYWOOD	9'-5"	
AA-102	CONCESSIONS	SEALED CONCRETE	VINYL	4"	•	W	W	W	W		FRP	9'-5"	
AA-103	MEN	SEALED CONCRETE	VINYL	4"	•	W	W	W	W		PLYWOOD	9'-5"	
AA-104	CUSTODIAN	SEALED CONCRETE			•					punga sama	PLYWOOD	9'-5"	
AA-105	WOMEN	SEALED CONCRETE	VINYL	4"	•	W	W	W	W		PLYWOOD	9'-5"	
AA-106	STORAGE	SEALED CONCRETE			•						EXPOSED STRUCTURE	9'-5"	

	ROOM FINISH SCHEDULE												
DOOM			BASE				CEILING						
ROOM			DAJE		MATERIAL		FINISHES				CLILING		
NO	DESCRIPTION	FLOOR FINISH	MATERIAL	HEIGHT	LIGHTWEIGHT BLOCK	NORTH	SOUTH	EAST	WEST	WINDOW STOOL	MATERIAL	HEIGHT	REMARKS
BB-101	TICKETS	SEALED CONCRETE	VINYL	4"	•	Р	Р	Р	Р		PLYW00D	9'-5"	
BB-102	CONCESSIONS	SEALED CONCRETE	VINYL	4"	•	W	W	W	W		FRP	9'-5"	
BB-103	MEN	SEALED CONCRETE	VINYL	4"	•	W	W	W	W		PLYWOOD	9'–5"	
BB-104	CUSTODIAN	SEALED CONCRETE			•						PLYWOOD	9'-5"	
BB-105	WOMEN	SEALED CONCRETE	VINYL	4"	•	W	W	W	W		PLYWOOD	9'-5"	
BB-106	STORAGE	SEALED CONCRETE			•						EXPOSED STRUCTURE	9'-5"	

PLAN	NOTES:

(4) LINE OF ROOF OVERHANG ABOVE.

(13) MOP SINK

(14) FEMININE NAPKIN DISPOSAL

- 1) FIRE TREATED 4'x4' PLYWOOD BACKBOARD FOR FUTURE TELECOMMUNICATIONS ENTRY.
- 2) ROLLING DOOR STAINLESS STEEL COUNTERTOP WITH ROLLED EDGE.
- CONCRETE STOOP SEE STRUCTURAL DRAWINGS. 6) 7'-4" HIGH MASONRY PARTITION.
- SOAP DISPENSER PROVIDED BY OWNER. (8) $2'-0"W \times 3'-0"H ACCESSIBLE MIRROR.$ ACCESSIBLE FACILITIES
- SOLID PLASTIC TOILET PARTITIONS. TO MEET LAWRENCE TOWNSHIP REQUIREMENT.

11 5/8" 1'-4" 3'-4" 8" 8" 3'-4" 2'-8 3/8" 11

- (15) FEMININE NAPKIN DISPENSER
- 16) 3X4 ALUMINUM DOWNSPOUT AND SPLASHBLOCK. WALL MOUNTED FIRE EXTINGUISHER (10# ABC)
- 8) DRINKING FOUNTAIN. SEE PLUMBING. 19) TICKET WINDOW
- WATER HEATER SEE PLUMBING DRAWINGS. PLYWOOD PARTITION FOR ATTIC SPACE ABOVE, EITHER STUD WALL ON TOP OF MASONRY WALL OR APPLIED TO SIDE OF TRUSS IN LINE WITH MASONRY WALL. PROVIDE 3'-0" W X 3'-6" H PLYWODD ACCESS DOOR WITH SPRING HINGES.



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LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP
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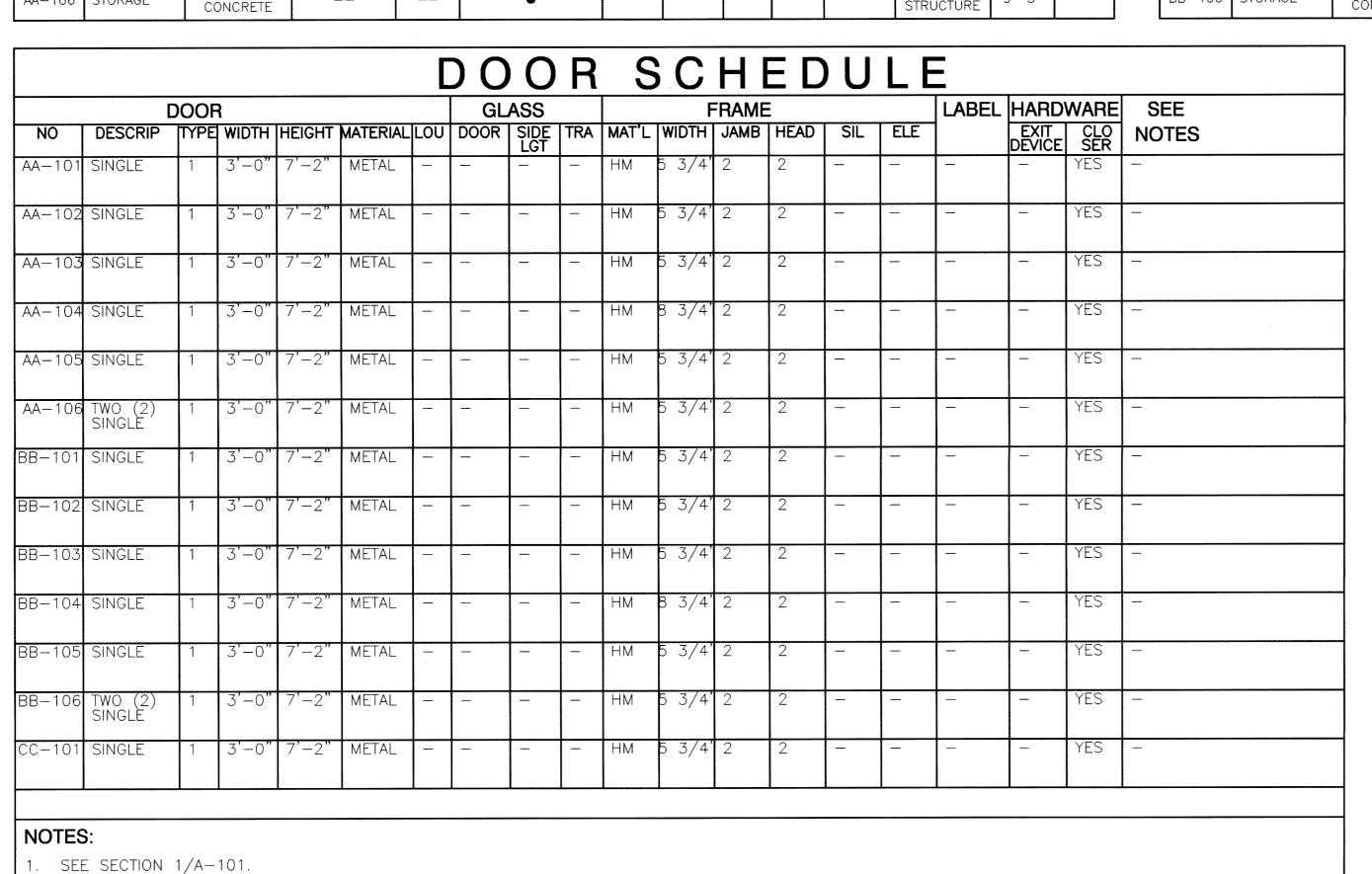
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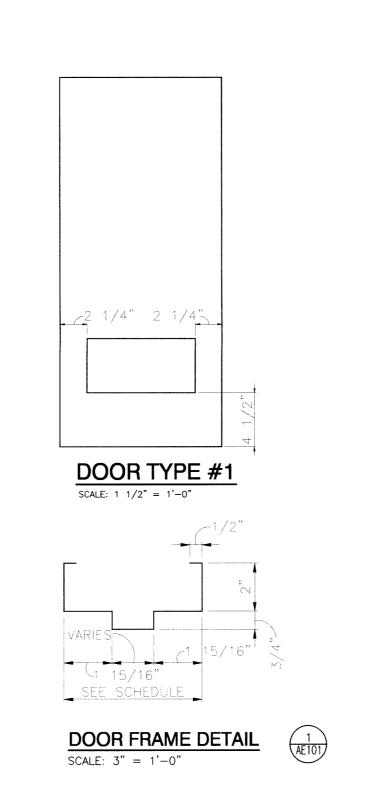
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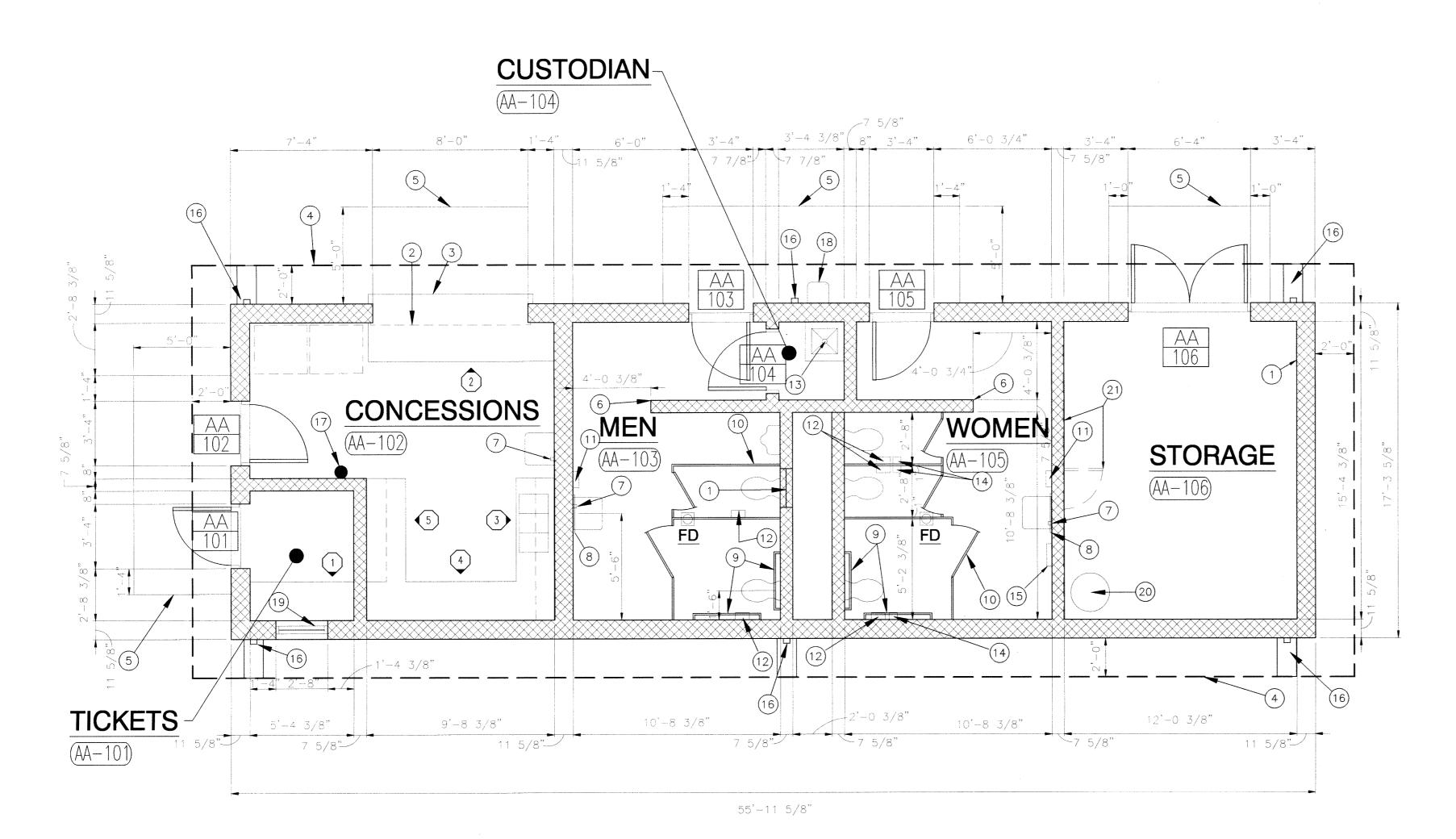
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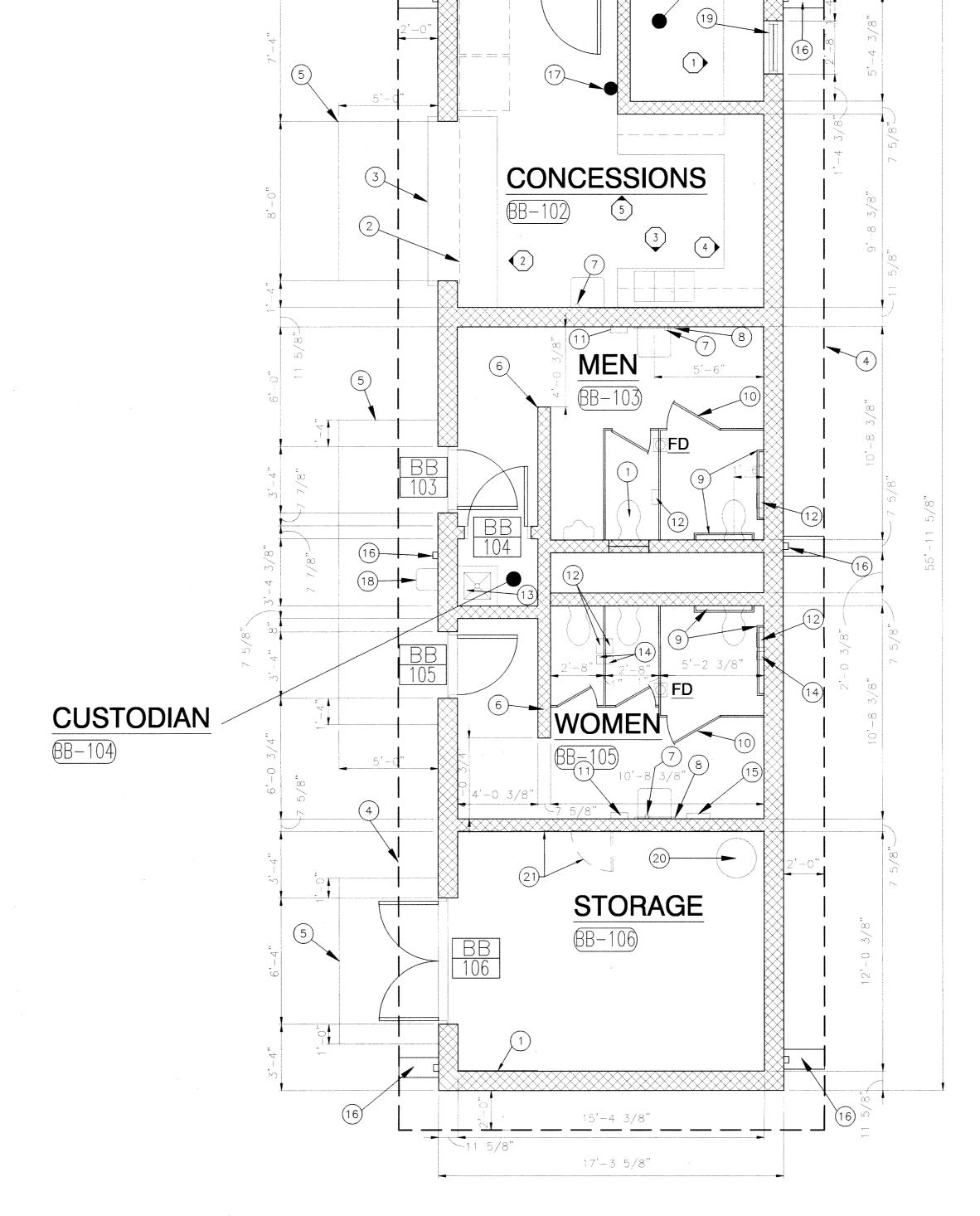
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AE101 BB

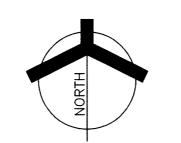






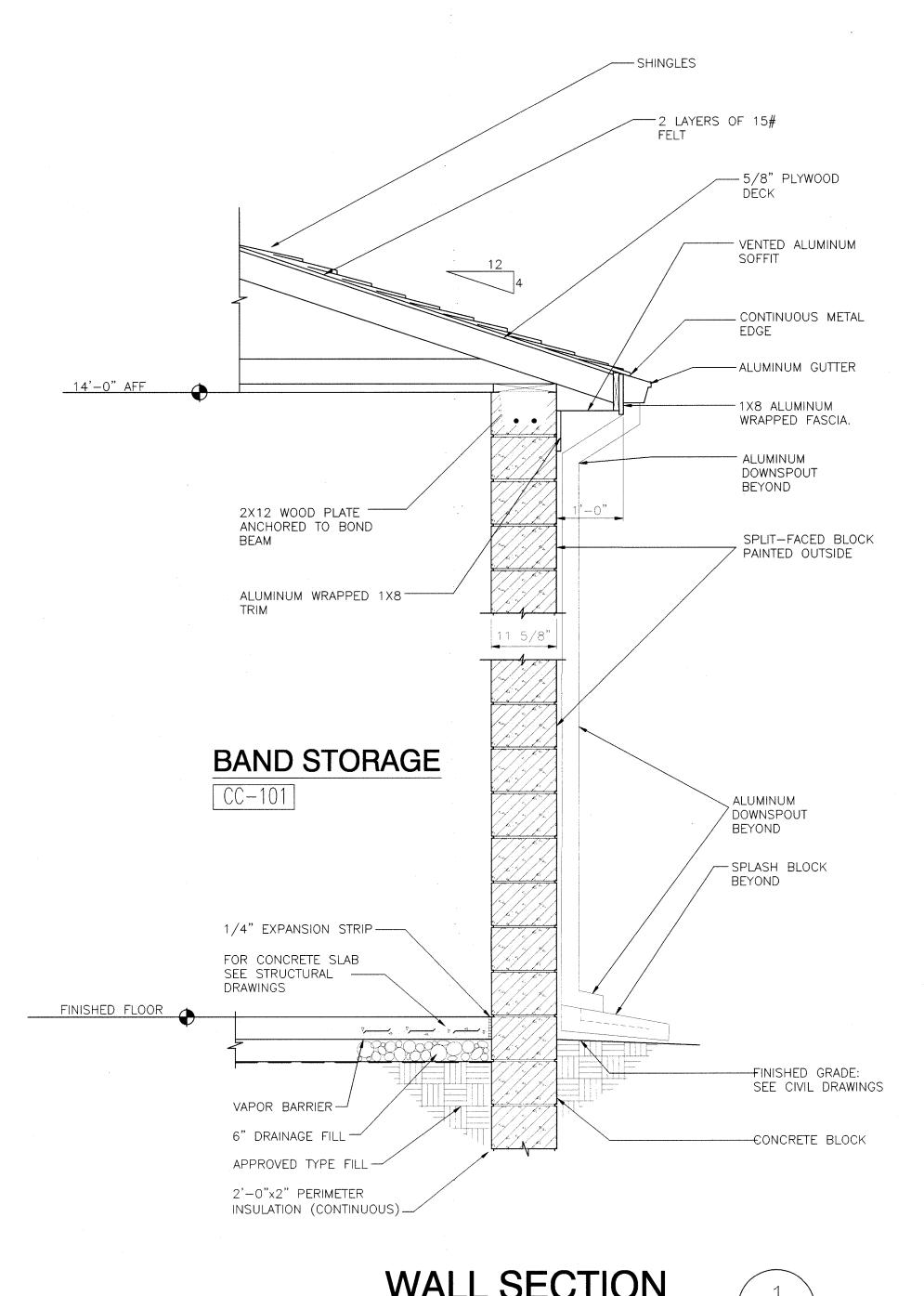


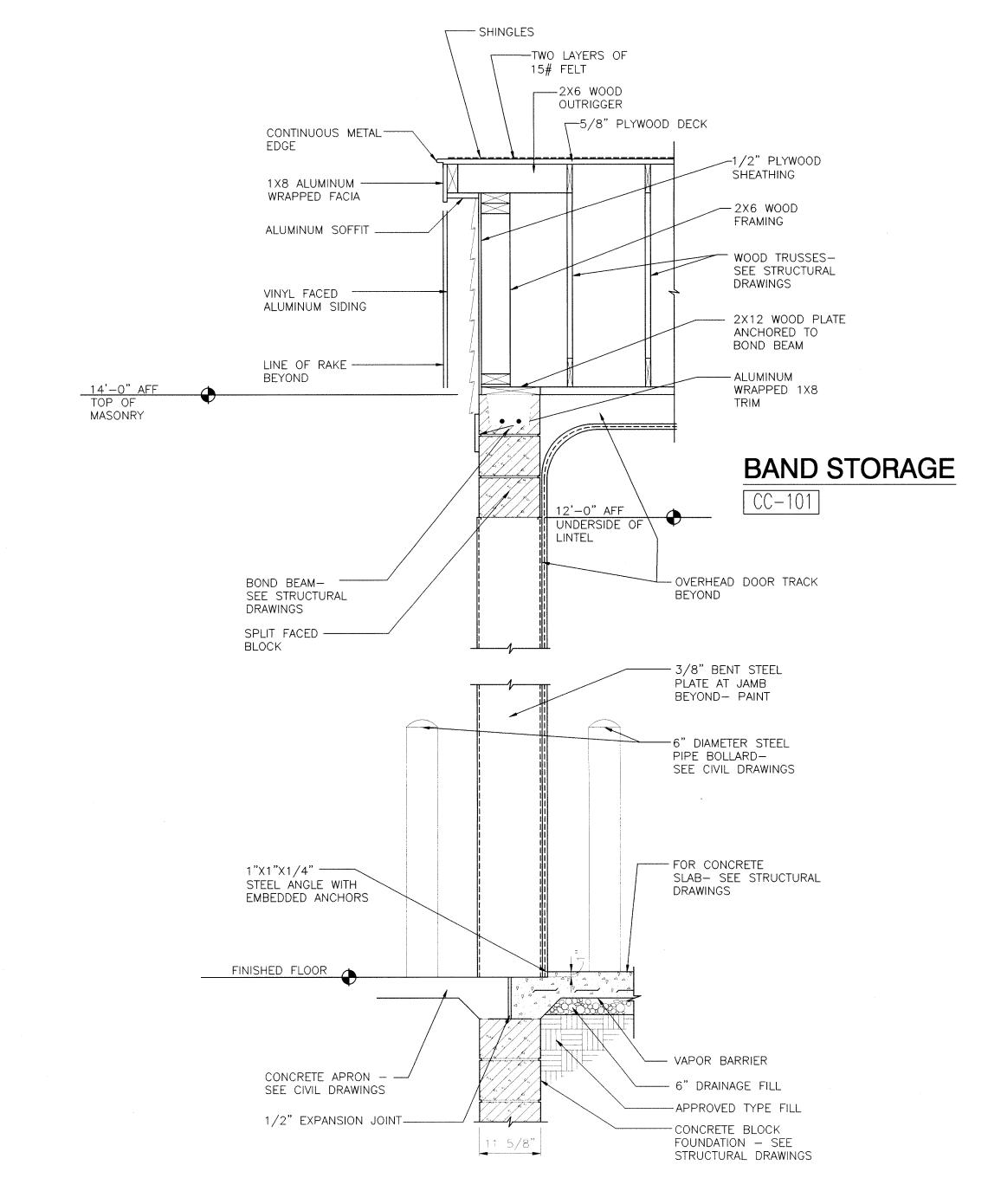
UNIT 'AA' BASEBALL **CONCESSION BUILDING** SCALE: 1/4" = 1'



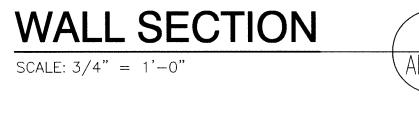
UNIT 'BB' SOCCER CONCESSION BUILDING

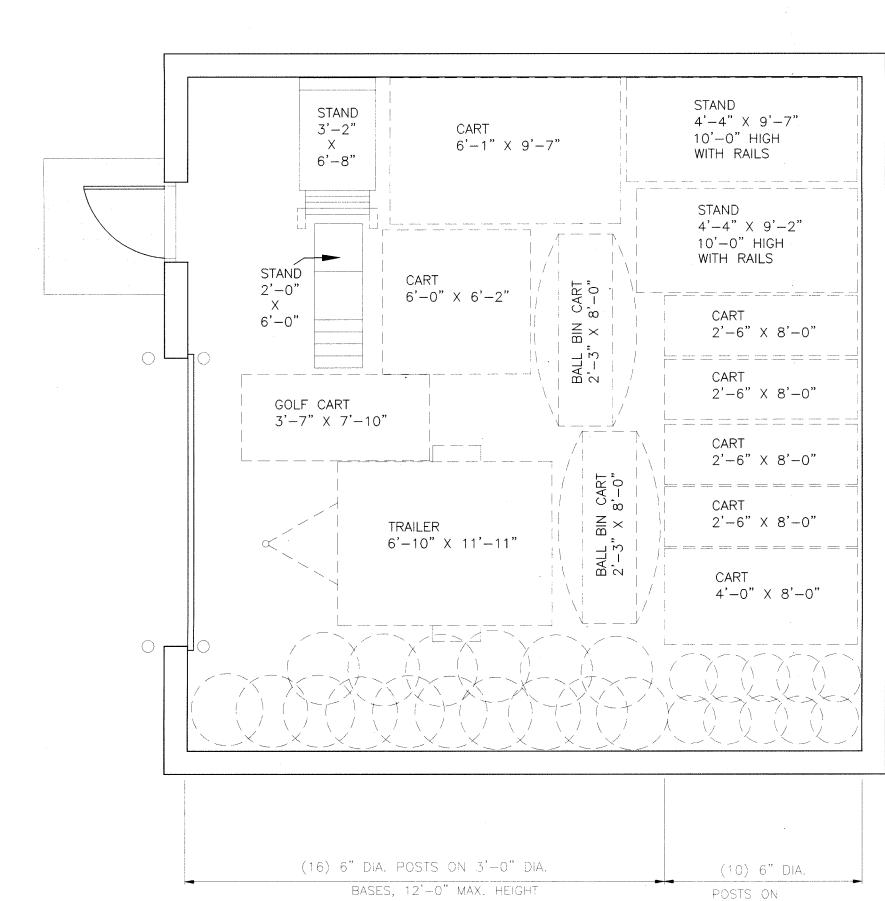
SCALE: 1/4" = 1'



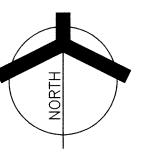




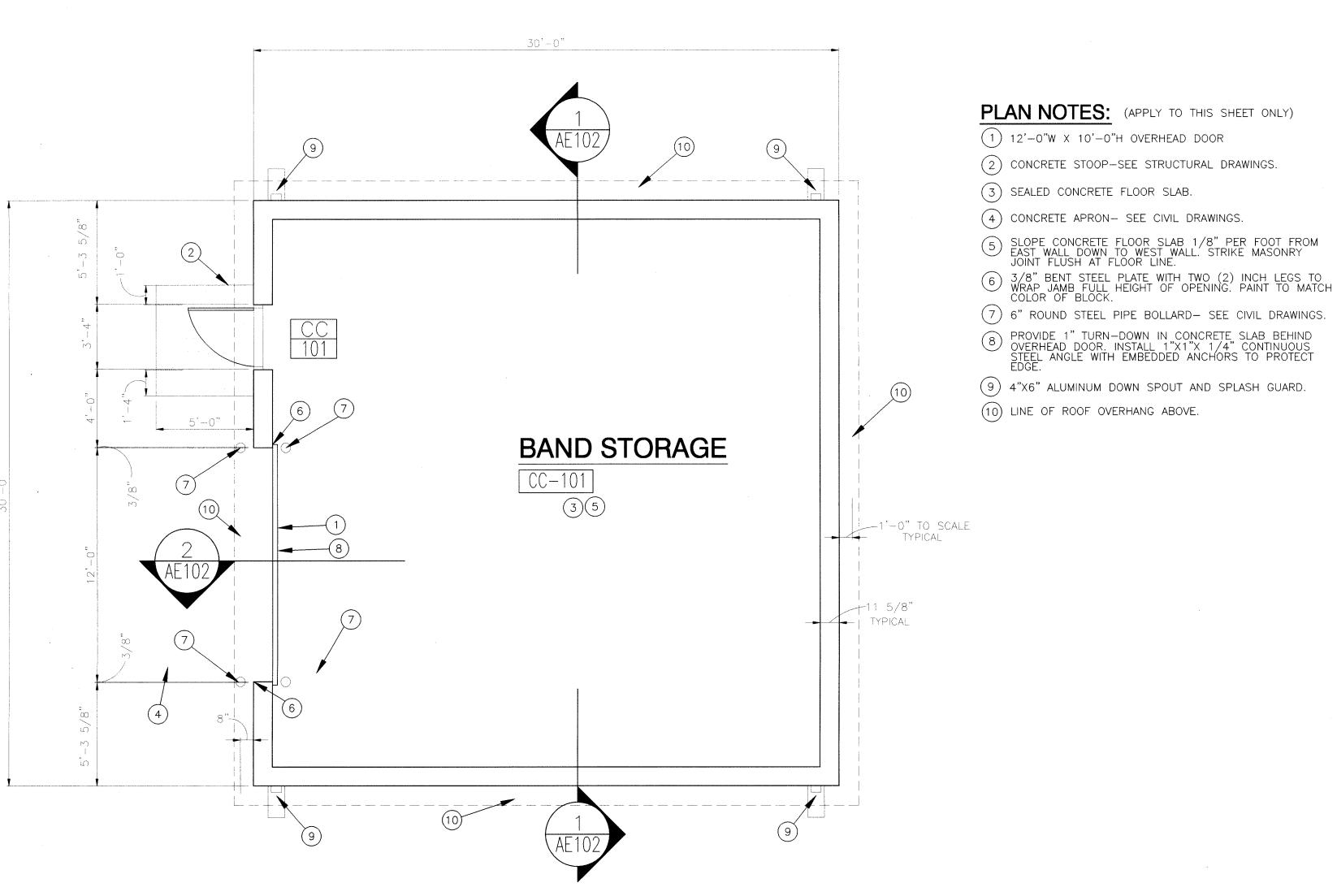




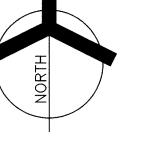
BAND EQUIPMENT PLAN FOR OWNER'S USE SCALE: 1/4" = 1'-0"



2'-0" DIA. BASES



BAND STORAGE FLOOR PLAN SCALE: 1/4" = 1'-0"



(1) 12'-0"W X 10'-0"H OVERHEAD DOOR

(2) CONCRETE STOOP—SEE STRUCTURAL DRAWINGS.



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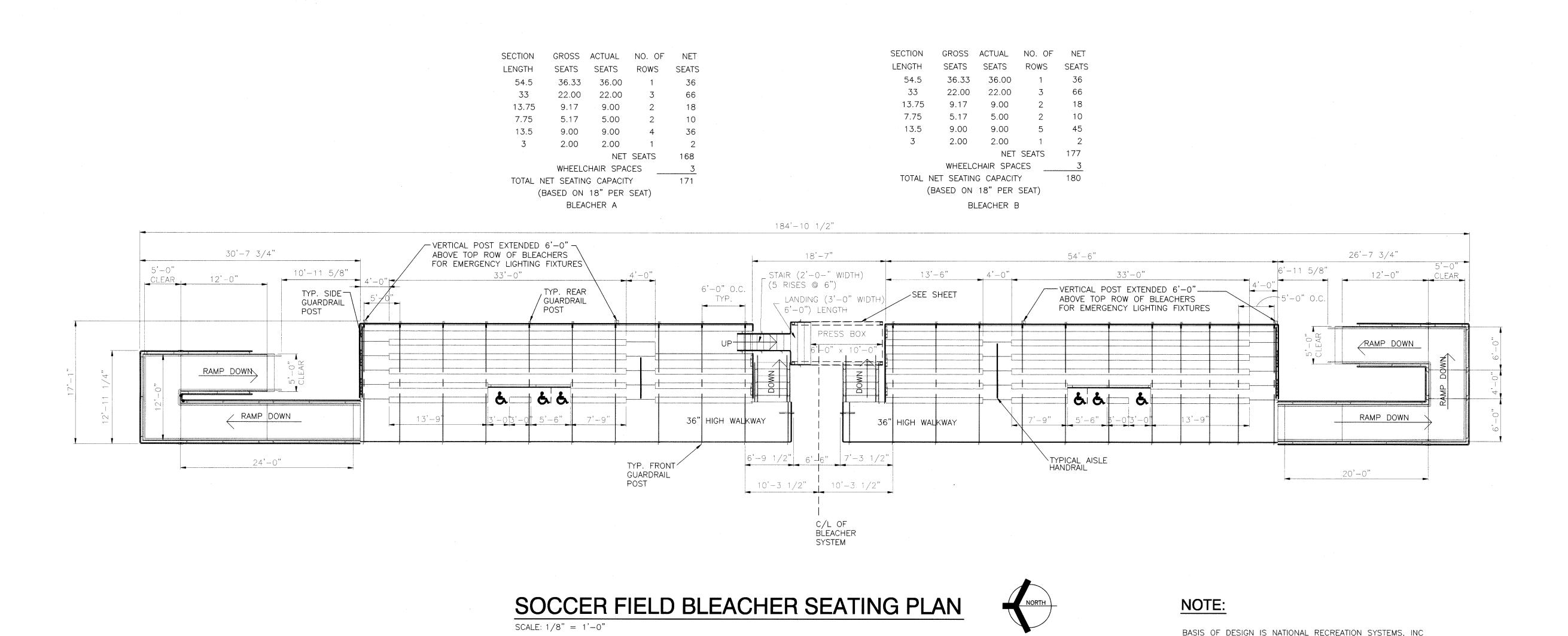
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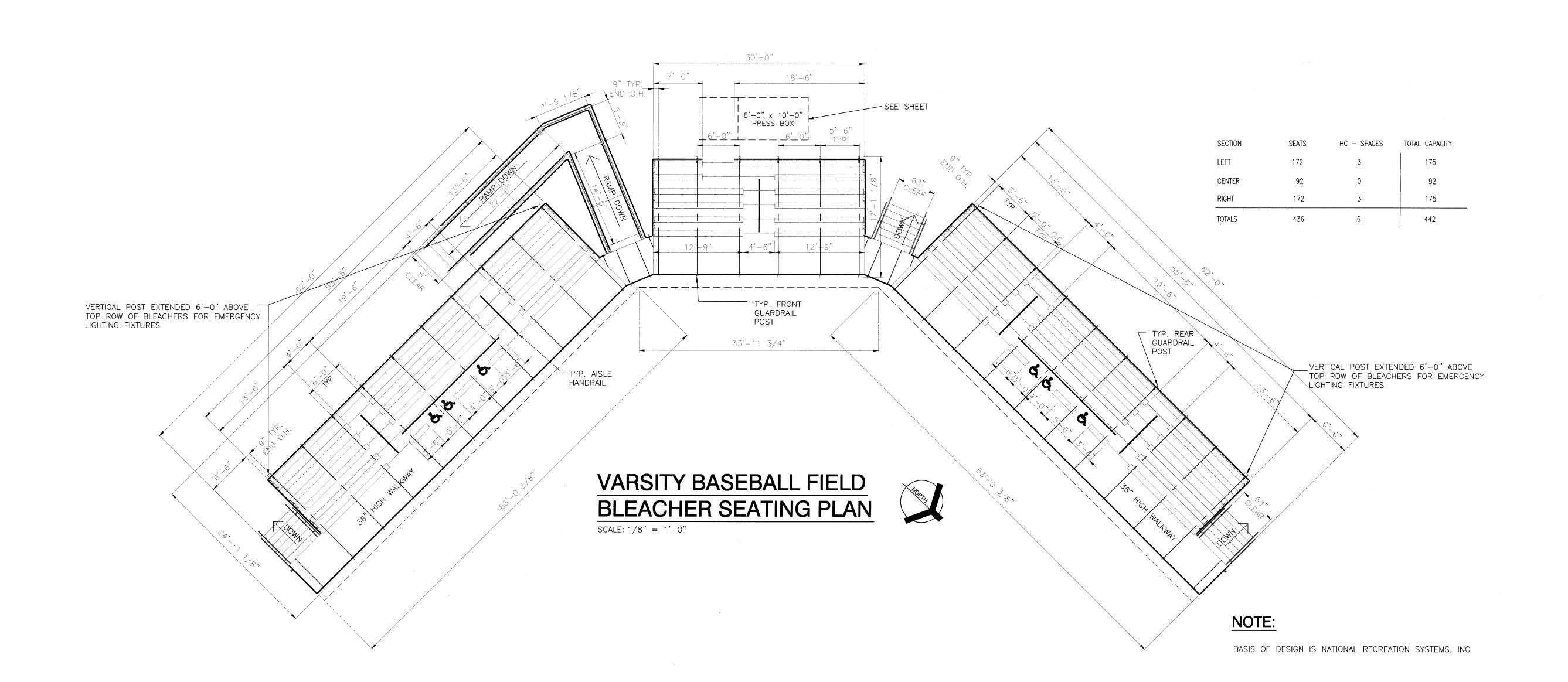
DRAWING BAND STORAGE

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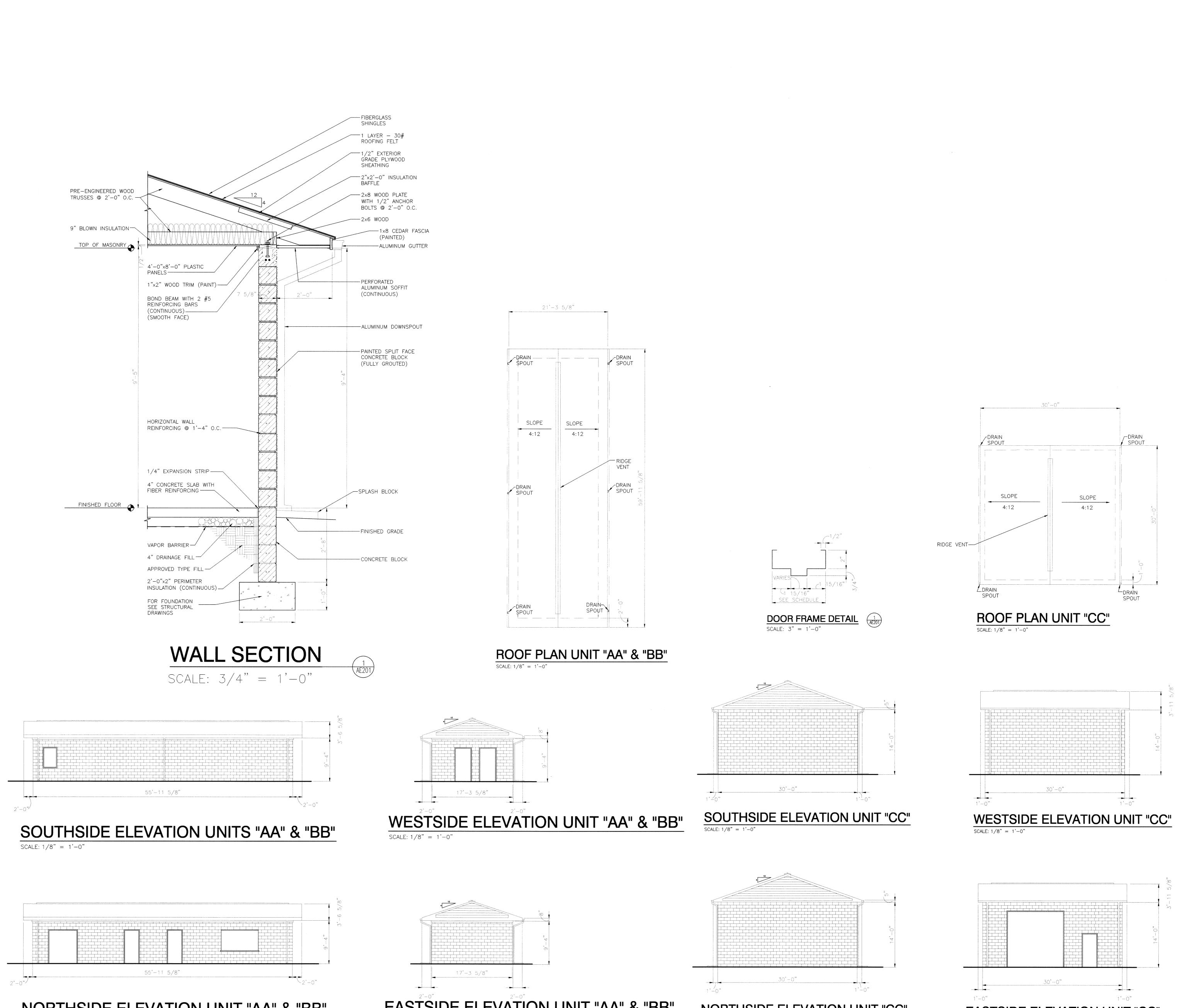
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SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

AE103

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ELEVATIONS-ROOF PLAN

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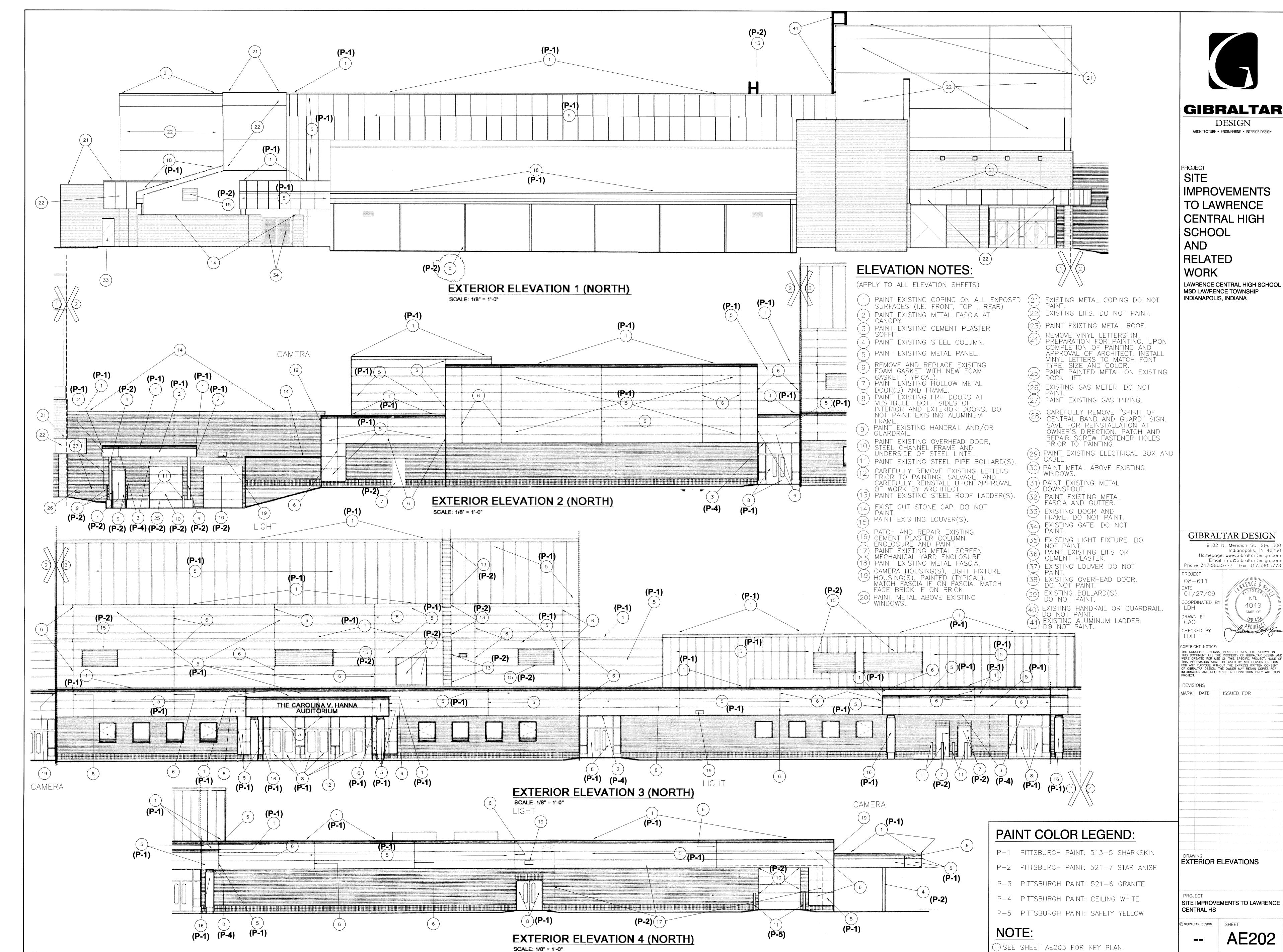
NORTHSIDE ELEVATION UNIT "AA" & "BB" SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

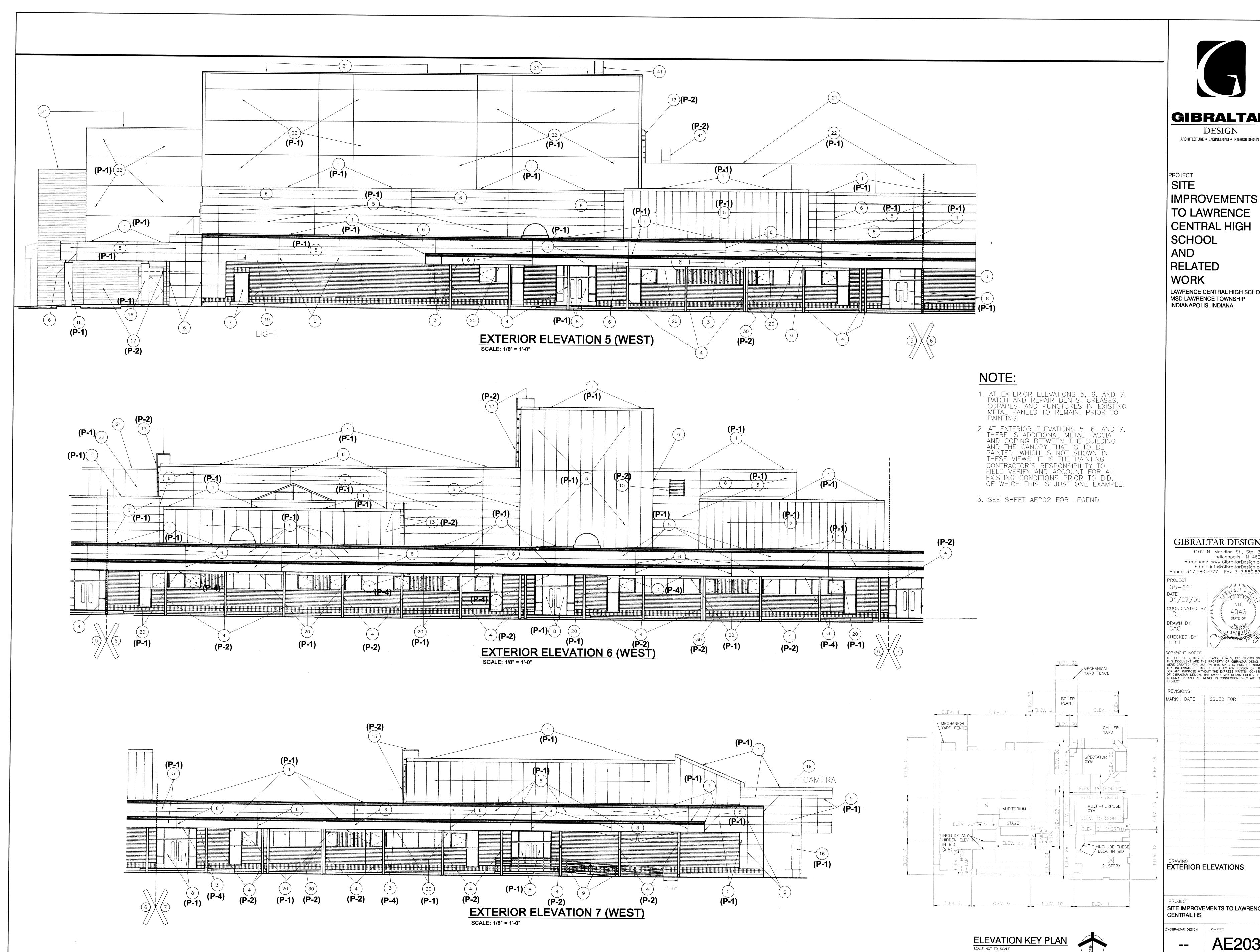
EASTSIDE ELEVATION UNIT "AA" & "BB"

NORTHSIDE ELEVATION UNIT "CC"

EASTSIDE ELEVATION UNIT "CC"



1) SEE SHEET AE203 FOR KEY PLAN.



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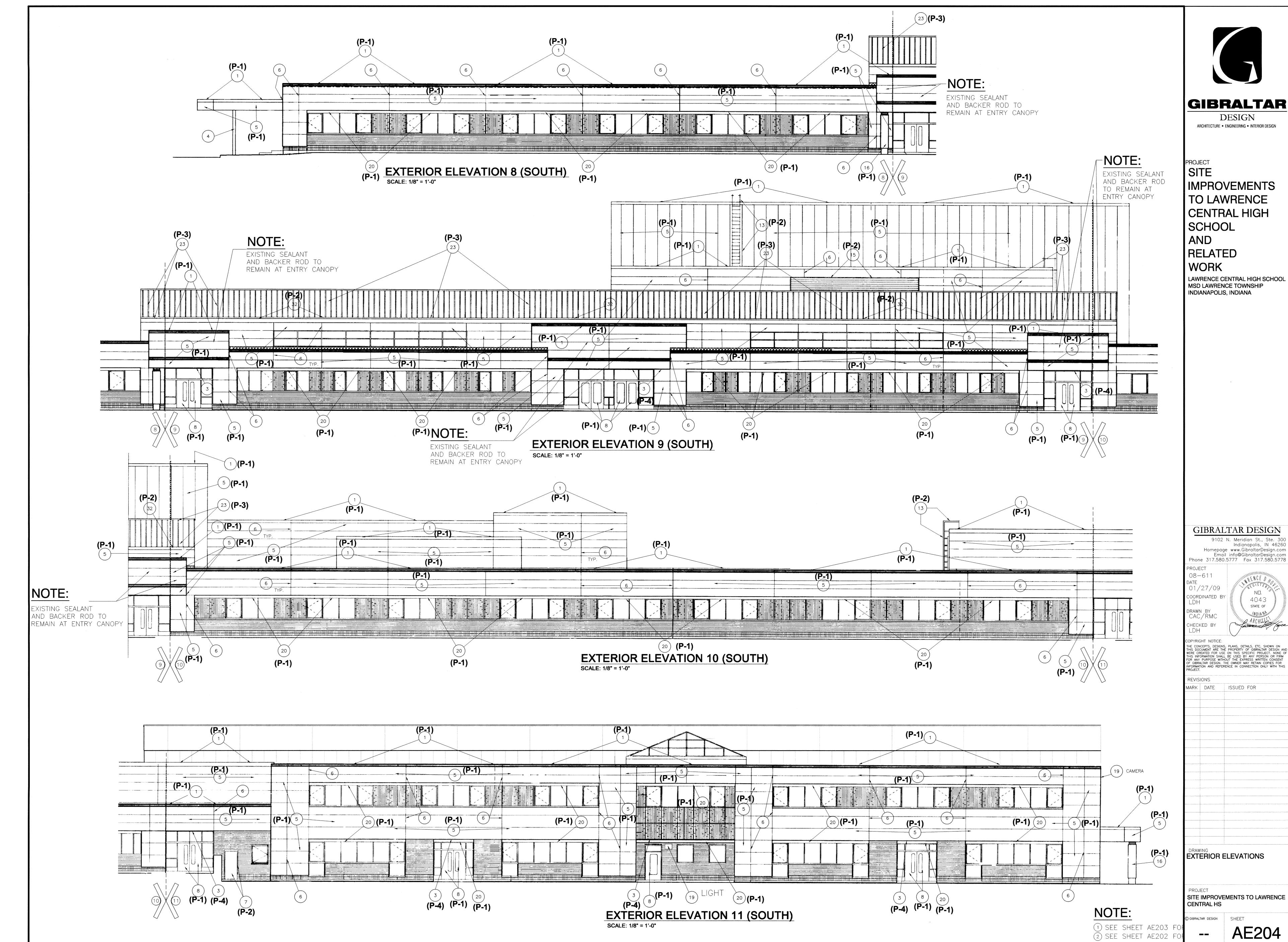
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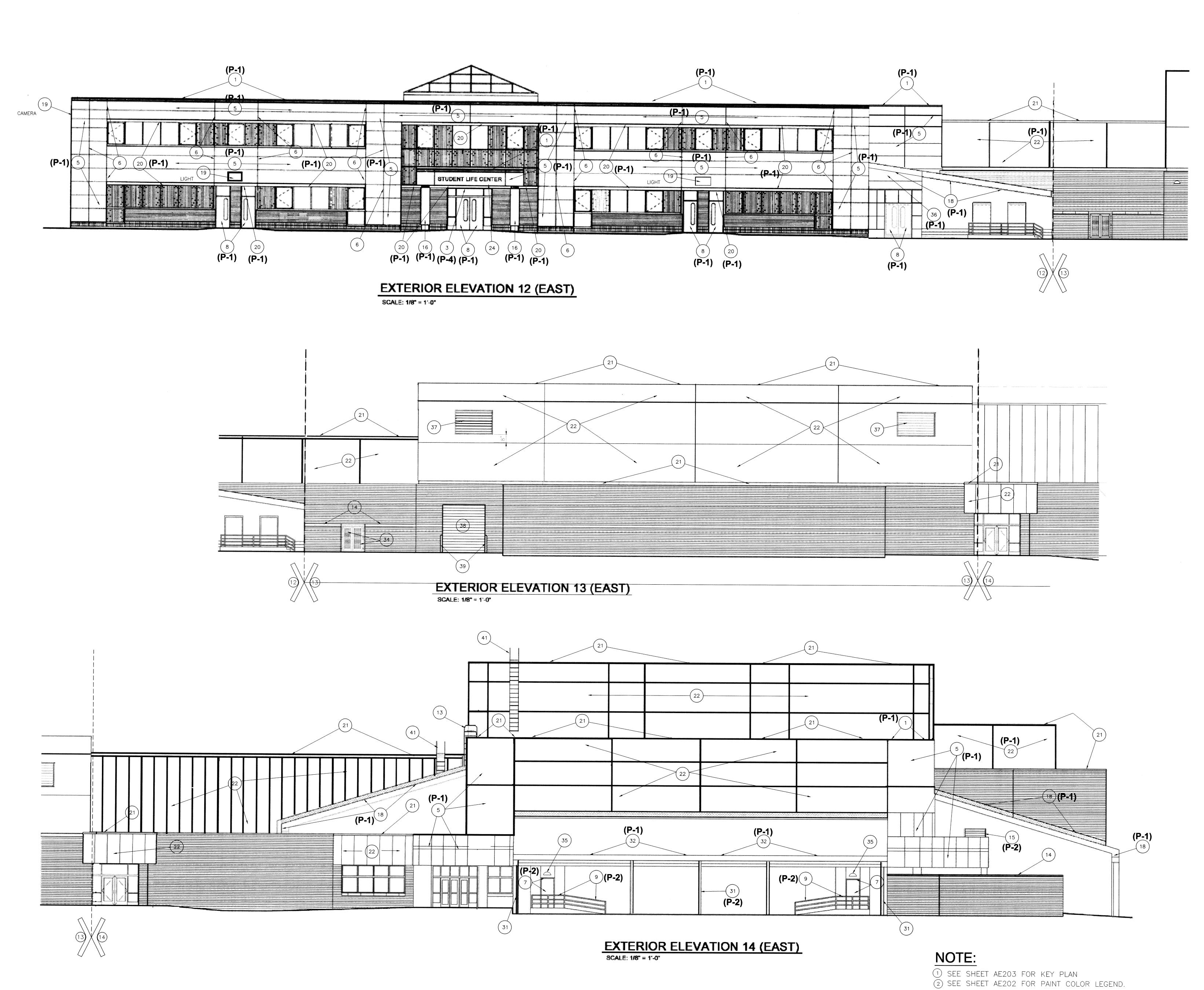
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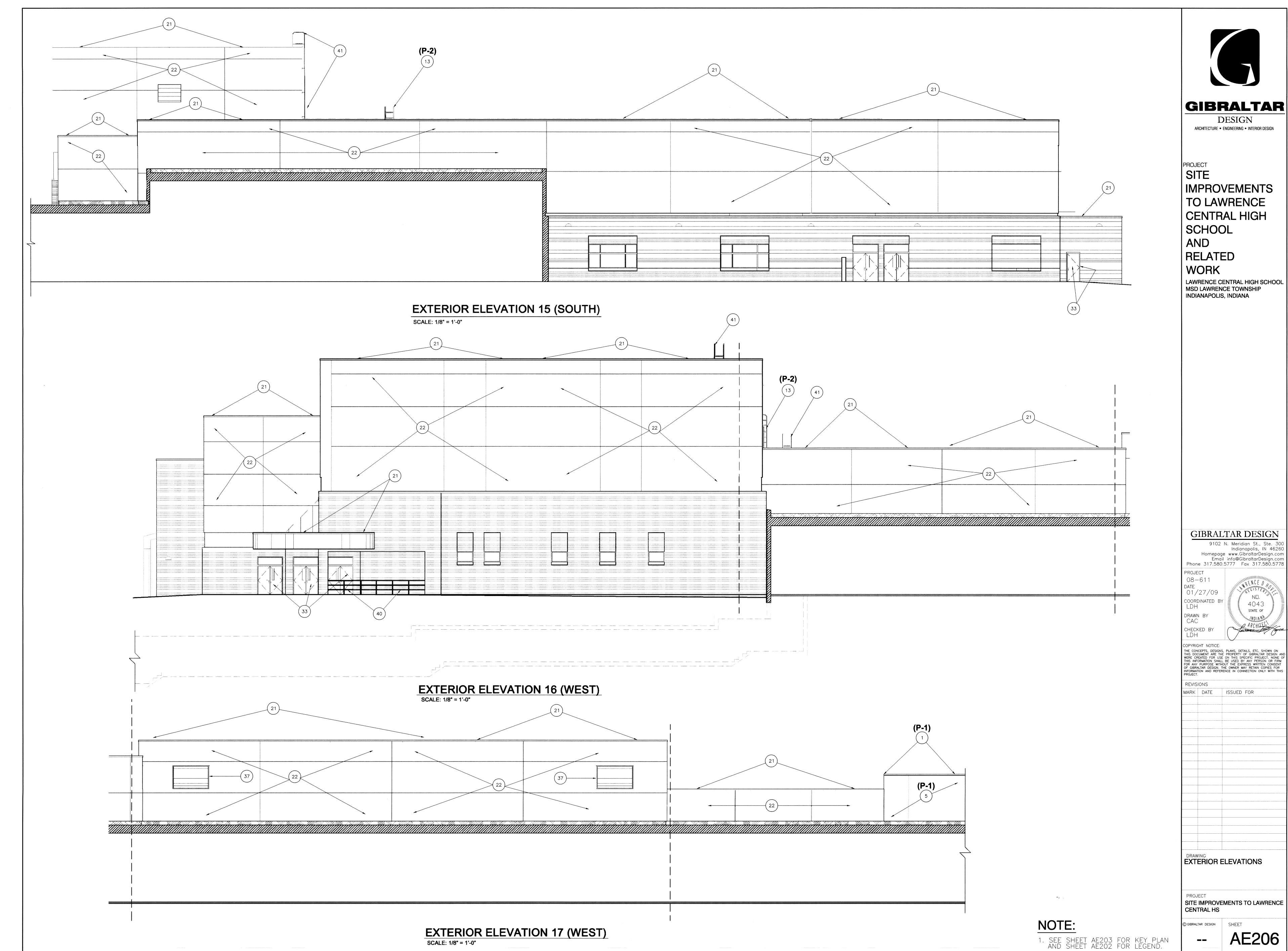
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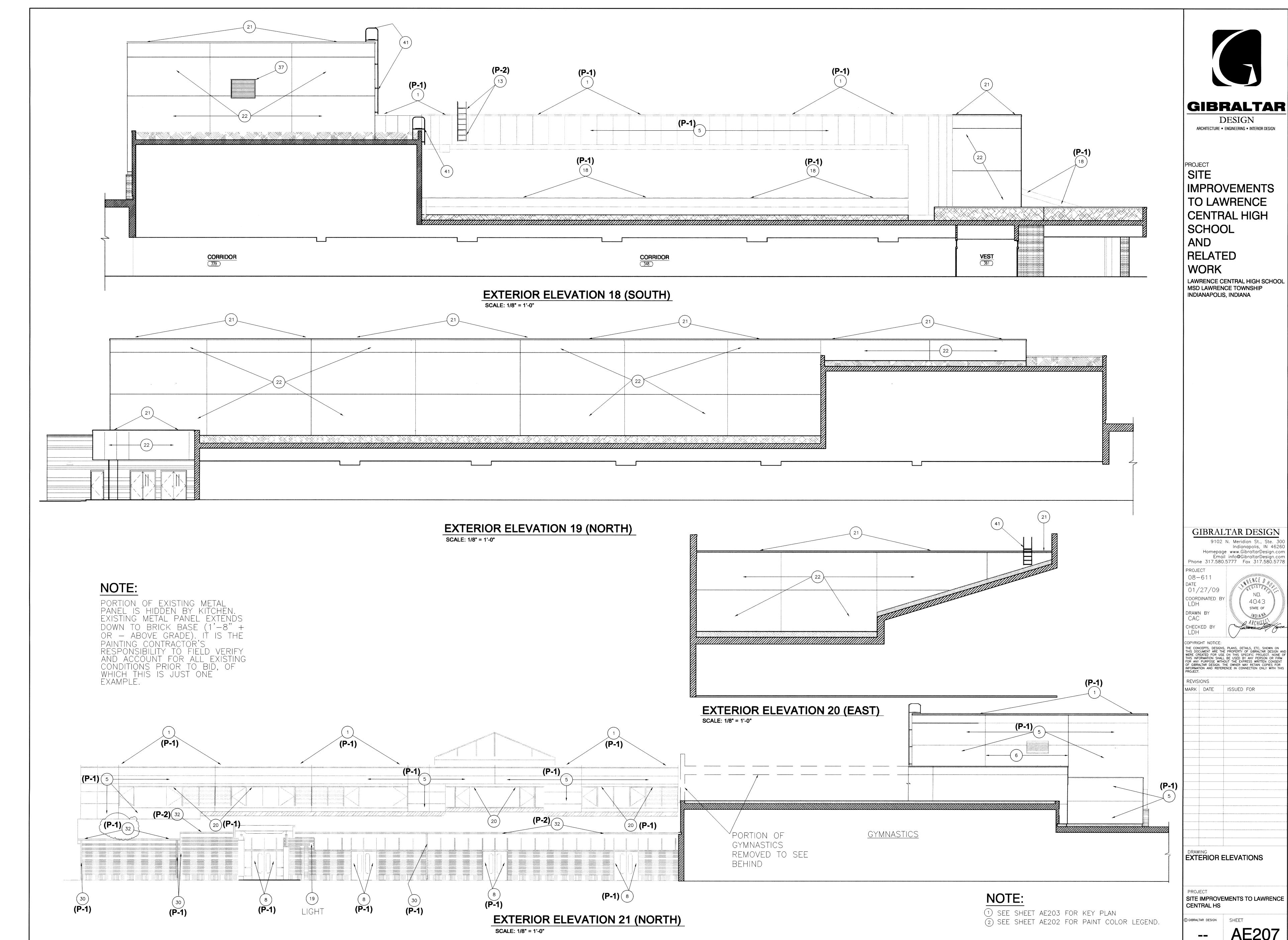
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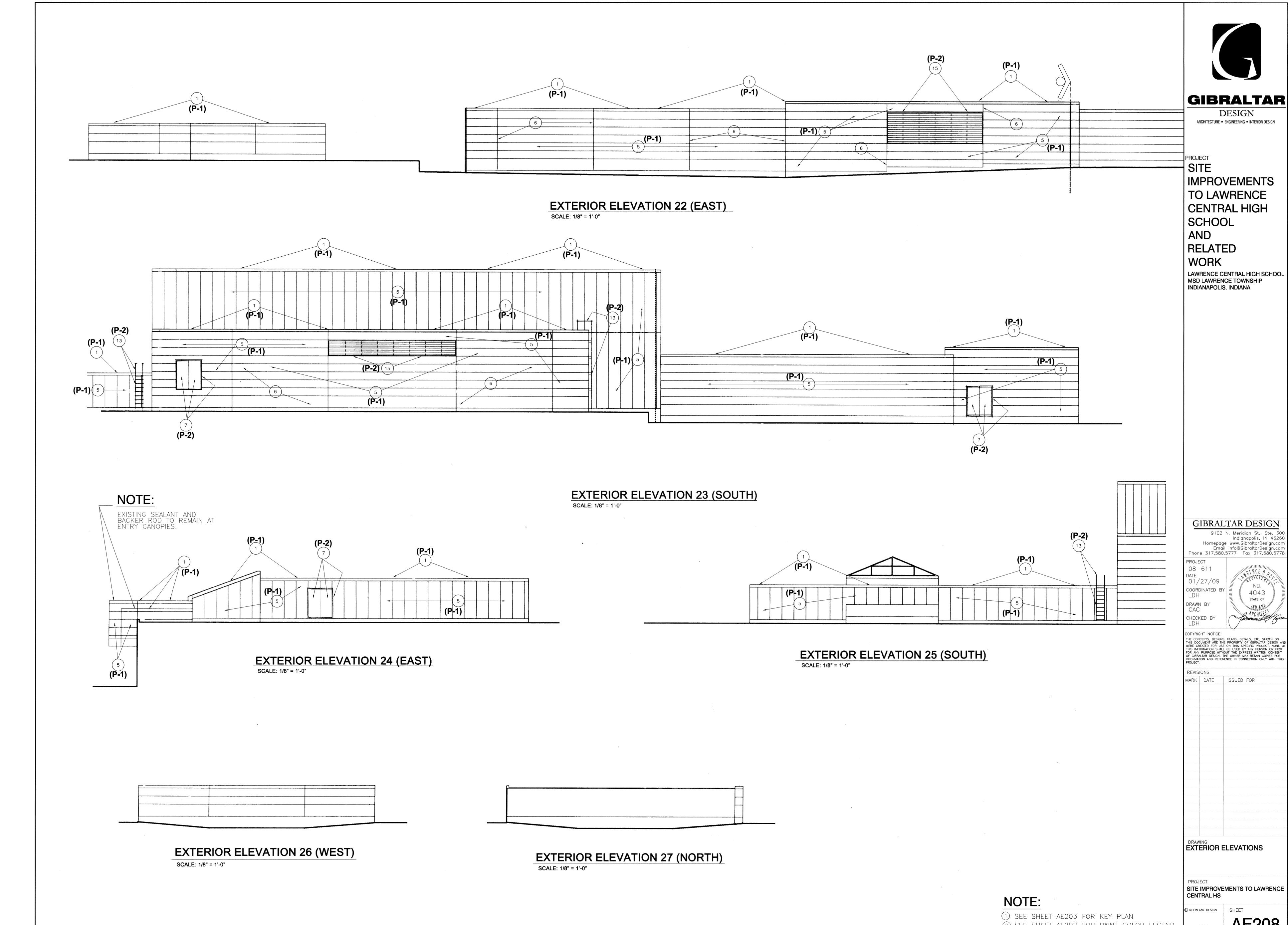
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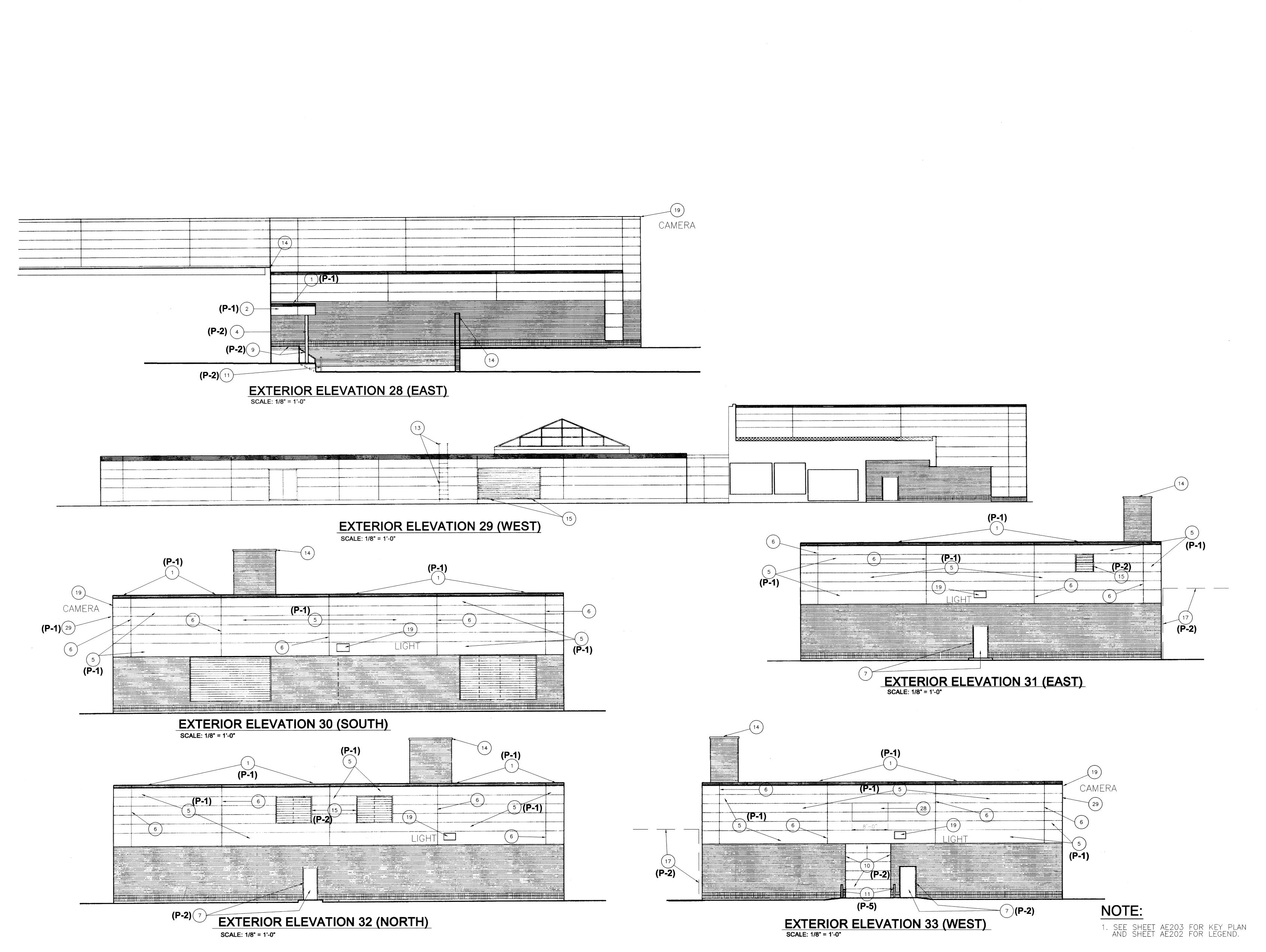
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SEE SHEET AE203 FOR KEY PLAN
 SEE SHEET AE202 FOR PAINT COLOR LEGEND.



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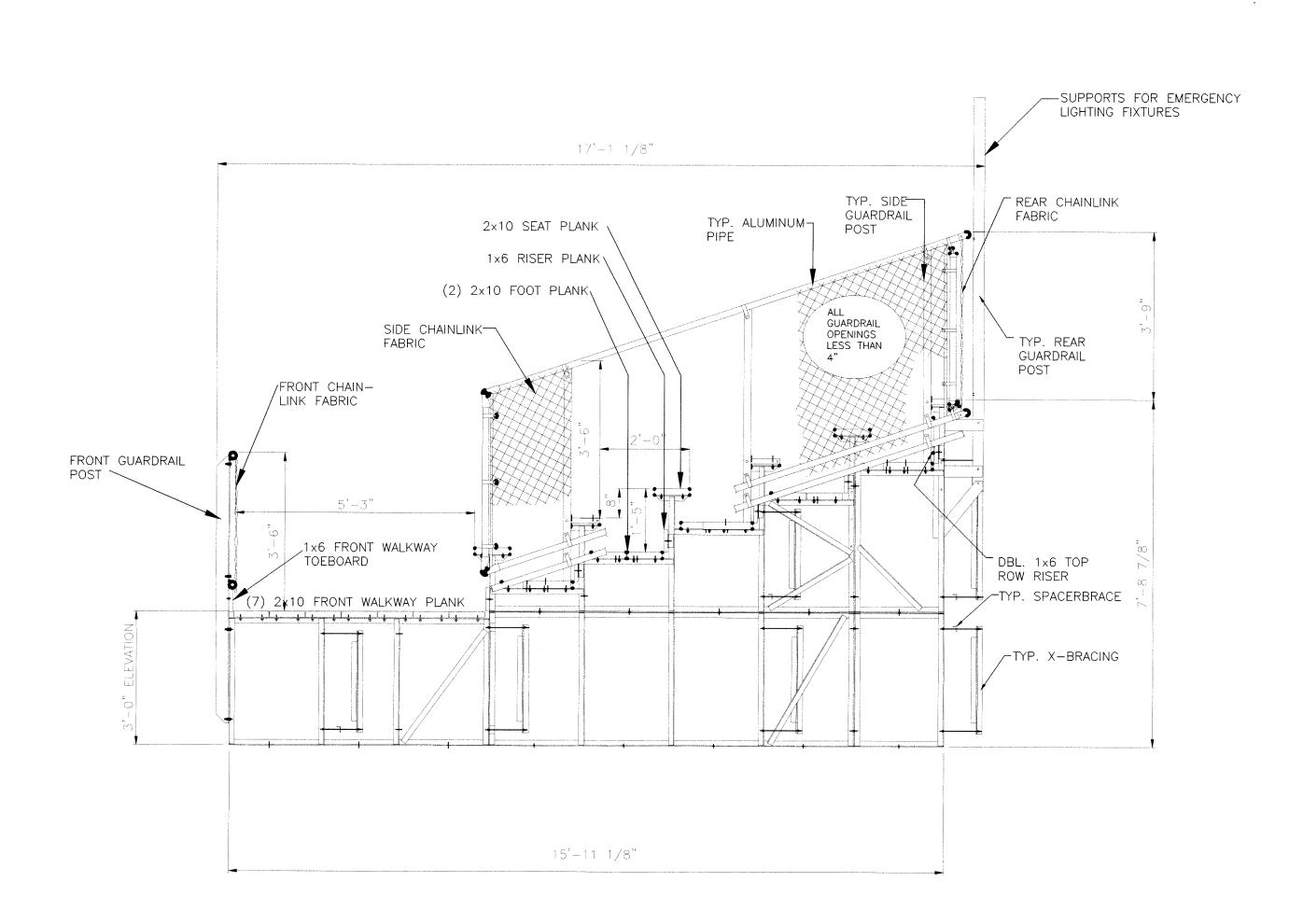
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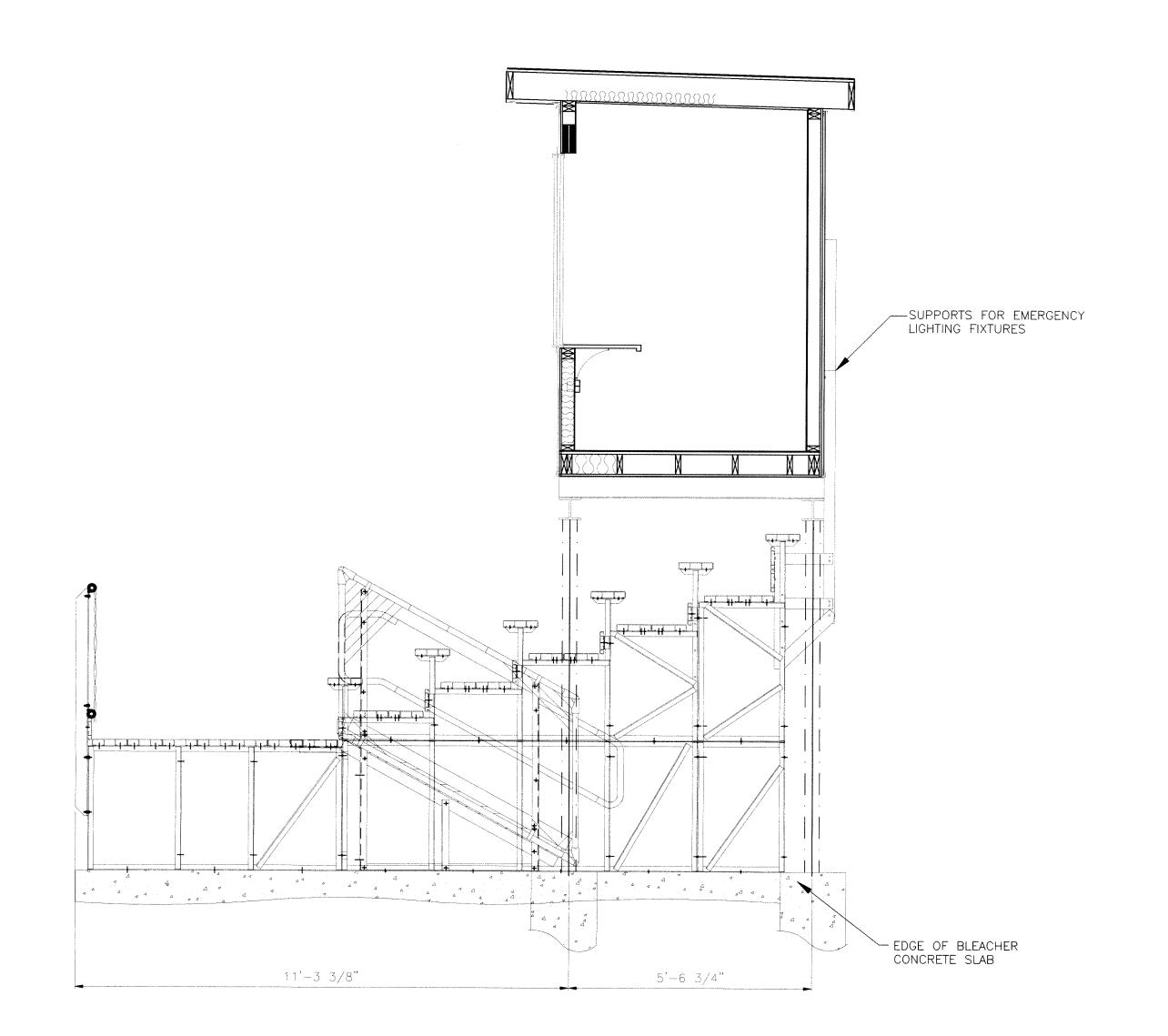
DRAWING EXTERIOR ELEVATIONS

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VARSITY BASEBALL CROSS-SECTION BLEACHER SCALE: 1/2" = 1'-0"

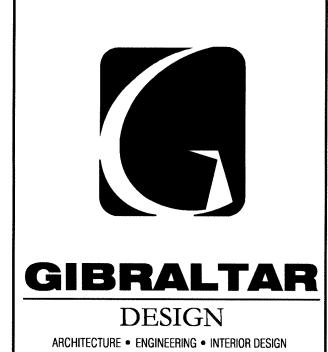


SOCCER FIELD BLEACHER CROSS-SECTION SCALE: 1/2" = 1'-0"

NOTE:

CROSS—SECTION SHOWN WITH DOUBLE FOOT PLANK, 1X6 RISER (ROWS 1—5), DBL. 1X6 RISER (ROW 6), & CHAINLINK GUARDRAIL.

2 BASIS OF DESIGN IS NATIONAL RECREATION SYSTEMS, INC



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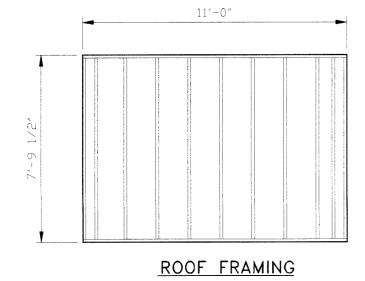
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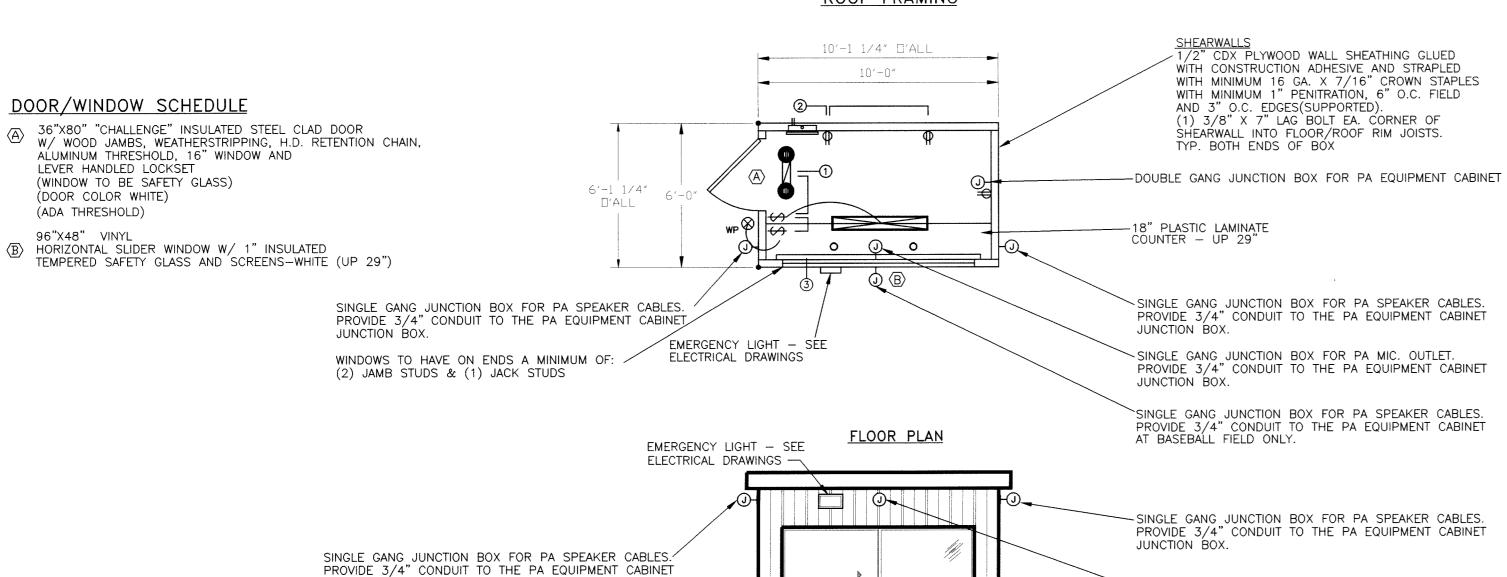
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BASEBALL AND SOCCER BLEACHER CROSS-SECTIONS

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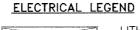




ELEVATION

SINGLE GANG JUNCTION BOX FOR PA SPEAKER CABLES

PROVIDE 3/4" CONDUIT TO THE PA EQUIPMENT CABINET AT BASEBALL FIELD ONLY.



LITHONIA #M-232-PC1S-120-GEB (2) 4' TUBE FLUORESCENT LIGHT

LITHONIA #LHQM SW3R120 EMERGENCY COMBINATION EXIT/FLOOD LIGHT W/ MINIMUM 90 MIN. BATTERY BACK-UP (WALL MOUNT)

COOPER #LFE13PCW 13 WATT FLUORESCENT EXTERIOR LIGHT FIXTURE W/ PHOTO CELL (WATERPROOF)

PASS & SEYMOUR #770 SPEC. GRADE, GROUNDING TYPE, SWITCH (ALMOND)

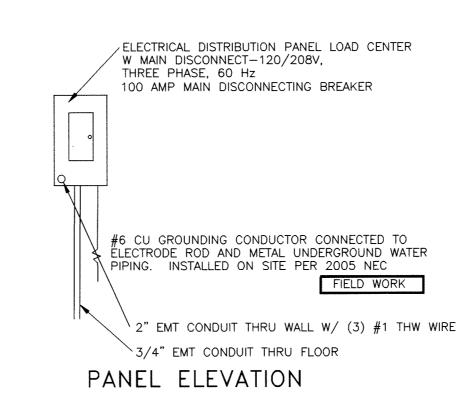
SINGLE GANG OUTLET BOX FOR PA SPEAKERS AND MIC JACK

PASS & SEYMOUR #3232-LA SPEC. GRADE, GROUNDING TYPE, RECEPT (ALMOND) -GFI WHERE NOTED -UP 18" UNLESS NOTED

ELECTRICAL DISTRIBUTION PANEL W/ MAIN DISCONNECT-120/208V., THREE PHASE, 100 AMP CAPACITY, SQ. 'D' #Q0312M100 W/ (1) 1 1/2" CONDUIT THRU WALL--100 AMP CAPACITY W/ (1) 3/4" CONDUIT THRU FLOOR

> WIREMOLD #5400 SERIES ELECTRIC PLUG STRIPS W/ RECEPTS AND COMMUNICATION JACKS 48" AND 3/4" CONDUIT THRU FLOOR AT END-UP 14

o 3" GROMMETED HOLE THRU COUNTER-72" O.C.



DESIGN CODES

2000 INTERNATIONAL BUILDING CODE W/ 2003 INDIANA AMENDMENTS 2000 INTERNATIONAL MECHANICAL CODE W/ 2003 INDIANA AMENDMENTS 2005 NATIONAL ELECTRICAL CODE W/ 2005 INDIANA AMENDMENTS 2000 INTERNATIONAL FIRE CODE W/ 2003 INDIANA AMENDMENTS 998 INDIANA ACCESSIBILITY CODE/CHAPTER 11 1992 INDIANA ENERGY CONSERVATION CODE

DESIGN SPECIFICATIONS ROOF LIVE LOAD: FLOOR LIVE LOAD:

100 PSF OCCUPANCY GROUP: CONSTRUCTION TYPE: OCCUPANCY LOAD: 4 PERSONS HORIZONTAL WIND: (EXPOSURE C), 90 MPH SEISMIC LOAD: DESIGN CATEGORY C

GENERAL/STRUCTURAL MAX. ALLOWABLE BUILDING HEIGHT SHALL BE 40 FT. PER 2000 IBC RAILINGS & GUARDS ARE SUPPLIED AND INSTALLED BY OTHERS ON SITE AND ARE SUBJECT TO INSPECTION BY LOCAL OFFICIALS HAVING JURISDICTION INTERIOR PARTITIONS TO BE CONSTRUCTED TO WITHSTAND A 5 PSF HORIZONTAL FORCE INTERIOR WALL BOARD SHALL BE 1/4" NOMINAL THICKNESS OR CONFORM TO SEC. 802.1 (TESTED W/ MATERIALS SUSPENDED FROM NON-COMBUSTABLE BACKING) EXTERIOR BRACING PROVIDED BY 1/2" CDX AND GLUED W/ APPROVED PVA GLUE AT ALL STUD TO ENDWALL CONNECTONS APPROVED DATA PLATE AND THIRD PARTY LABEL TO BE LOCATED ON MAIN ENTERANCE PANEL ON SITE STRUCTURE TO MEET THE FOLLOWING UPLIFT RATING FROM PERIMETER I-BEAM TO SUPPORT AND RESIST 2100 LBS @ 6'-0" O.C.

RATING OF HORIZONTAL CONNECTION TO BE A MINIMUM OF 2300 LBS @ 6'-0" O.C. BEARING SUPPORT OF THE PERIMETER I-BEAM TO HAVE MIN. CAPACITY OF 8000 LBS @ 6'-0" O.C

BUILDING CODE

ATTIC VENTILATION SHALL NOT BE LESS THAN 1/150 OF THE HORIZONTAL AREA TO BE VENTILATED. THE BUILDING EXTERIOR AND ALL FACILITIES WITHIN THE BUILDING SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. BUILDER/DEALER SHALL BE RESPONSIBILE FOR ON SITE BARRIER FREE PROVÍSIONS. BUILDING APPROACH SHALL HAVE A MINIMUM WIDTH OF 5' AND A GRADIENT OF NOT MORE THAN A FOOT IN 20 FOOT. ALL LOCKS TO BE UNLOCKABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE. CORROSION RESISTANT FLASHING AT TOP AND SIDES OF DOORS, WINDOWS, AND AT ROOF PENETRATIONS. ALL GLAZING WITHIN A 24" ARC OF VERTICAL DOOR EDGES IN THE CLOSED POSITION TO BE SAFETY GLAZED AND MARKED SO. INTERIOR FINISH SHALL BE CLASS C OR BETTER RESTROOM AND HANDICAPPED RESTROOM FACILITIES ARE TO BE PROVIDED IN AN ADJACENT BUILDING LOCATED ON THE SAME PROPERTY HAVING ADEQUATE FACILITIES TO HANDLE THE ADDITIONAL OCCUPANT LOAD CREATED BY THE ADDITION OF THIS BUILDING TO THE SITE. THE LOCAL OFFICIAL HAVING JURISDICTION SHALL VERIFY THE EXISTENCE OF THESE FACILITIES.

PROPERTY LINE IS 15 FT.

ELECTRICAL

ALL WIRING TO BE ENCASED IN THIN ALL EMT CONDUIT MIN. 12THHN COPPER WIRE ALL RECEPTACLES TO BE GROUNDING TYPE. MAIN PANEL TO BE MARKED SUITABLE FOR USE AS SERVICE EQUIPMENT, AND BE EQUIPPED WITH BREAKER/FUSE TYPE OVER CURRENT PROTECTION. PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTORS. DISCONNECTING MEANS WITHIN SITE REQUIRED FOR ALL MOTORS. WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS, RECEPTACLES AND DISCONNECTS. PROPER WORKING CLEARANCES TO BE PROVIDED AND MAINTAINED AROUND ALL ELECTRICAL EQUIPMENT. ALL FLUORESCENT FIXTURES REQUIRE THERMAL PROTECTION AND PROPER CLEARANCES FROM INSULATION, ALSO APPLICABLE FOR INCANDESCENT EXIT LIGHTS (IF ELECTRIC) MUST BE FED FROM AN APPROVED EMERGENCY SERVICE CONNECTED AHEAD OF, BUT NOT WITHIN MAIN SERVICE DISCONNECTING MEANS ENCLOSURE, AND INSTALLED AS PER SERVICE REQUIREMENTS, OR BE BATTERY

THE MINIMUM SEPARATION OF THE UNIT FROM ANY PROPERTY LINE OR ASSUMED

SERVICE CONDUCTORS LOCATED WITHIN THE PERIMETER OF THE BUILDING SHALL BE INSTALLED PER 2005 NEC ELECTRICAL WIRING TO BE INSTALLED PER 2005 NEC

NOTE:

MOBILE FACILITY ENGINEERING, INC. IS NOT RESPONSIBLE FOR THE INSTALLATION OF THIS STRUCTURE OR ANY USE OF THIS STUCTURE THAT IS DIFFERENT THAN ITS ORIGINAL INTENT. MFE IS ALSO NOT RESPONSIBLE FOR ANY ADDITIONS OR ALTERATIONS TO THE STRUCTURE THAT AFFECTS ITS USE, AND/OR DAMAGES ARISING THEREFROM.

MOBILE FACILITY ENGINEERING, INC. IS NOT RESPONSIBLE FOR STATE OR LOCAL PERMITS OR OCCUPANCY REQUIREMENTS

ALL RAILINGS ARE DESIGNED, SUPPLIED AND INSTALLED BY OTHERS THIS BUILDING SHALL NOT BE USED FOR THE GENERAL PUBLIC OR SPECTATOR VIEWING

3/4" PARTICLEBOARD ROOF SHEATHING

FASTENING SCHEDULE BUILDING ELEMENT FASTENER NUMBER AND LOCATION STUD TO SOLE PLATE 15 GA. STAPLES (6) END STAPLE (6) END STAPLE TOP PLATE TO STUD 15 GA. STAPLES BUILD-UP CORNER STUDS 15 GA. STAPLES 24" O.C. SOLE PLATE TO JOIST OR BLOCKING 16d COMMON 16" O.C. TYPICAL FACE NAIL DOUBLE TOP PLATE 16" O.C. TYPICAL FACE STAPLE 15 GA. STAPLES JOISTS TO BAND JOISTS (4) TYPICAL FACE STAPLE WALL TO FLOOR CONNECTION WHERE 3/8"X8" CARRIAGE BOLT W/ (3) THRU BOTTOM PLATE AT EA. END ENDWALL SHEATHING EXTENDS OVER RIM JOISTS (1) 2" ROUND WASHER @ HEAD OF SHEAR WALL FLOOR TO FRAME CONNECTION 3/8"X8" CARRIAGE BOLT (2) THRU I—BEAM FLANGE AT EA. END (1) 2" ROUND WASHER @ HEAD OF SHEAR WALL 3/8"X7" LAG BOLT SHEAR WALL TOP PLATE TO ROOF JOISTS (3) EA. END OF SHEAR WALL USP STRUCTURAL CONNECTORS 16" O.C. (EACH END) CEILING JOISTS TO PLATE

#RT7, 18 GA. REF.#2.5/H5 CONTINOUS HEADER TO STUD 15 GA. STAPLES (10) TOENAIL 1/2" PLYWOOD WALL SHEATHING 16 GA. STAPLES 4" O.C. DIRECT EDGES & 6" O.C. INTERMEDIATE 3/4" PLYWOOD SUBFLOORING 4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE 15 GA. STAPLES

NOTE: ALL NUMBERS ON ELECTRICAL CIRCUITS DESIGNATE FEED SIDE OF CIRCUIT ALL BRANCH CIRCUIT WIRING TO BE ENCASED IN THIN WALL EMT CONDUIT-MIN 12 THHN WIRE ELECTRICAL DISTRIBUTION PANEL W/ MAIN DISCONNECT-120/240V., SINGLE PHASE, 100 AMP CAPACITY, SQ. 'D' #Q0112M100

15 GA. STAPLES

4" O.C. DIRECT EDGES & 6" O.C. INTERMEDIATE

No	AMP	VOLT	WIRE	DESCRIPTION	WATTS
1	20	120	12 THHN	GENERAL LIGHTING	263
2	20	120	12 THHN	GENERAL RECEPTS	360
3	20	120	12 THHN	PLUG STRIPS	1440

GIBRALTAR DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT **IMPROVEMENTS** TO LAWRENCE **CENTRAL HIGH SCHOOL**

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 3

Indianapolis, IN 4626 Homepage www.GibraltarDesign.com Email info@GibraltarDesign.cor Phone 317.580.5777 Fax 317.580.577 PROJECT

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REVIS	IONS		
MARK	DATE	ISSUED FOR	

PRESS BOX FOR VARSITY BASEBALL AND SOCCER FIELD BLEACHERS

SITE IMPROVEMENTS TO LAWRENCE

CENTRAL HS © GIBRALTAR DESIGN SHEET

AE302

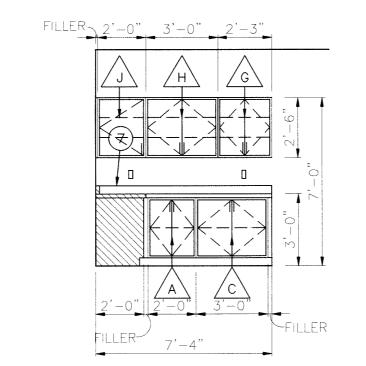
LEE COMPANY, INC. TERRE HAUTE, IN

(DOOR COLOR WHITE) (ADA THRESHOLD)

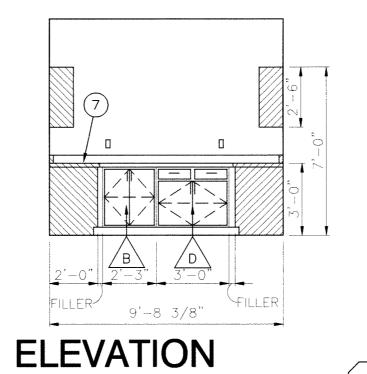
96"X48" VINYL

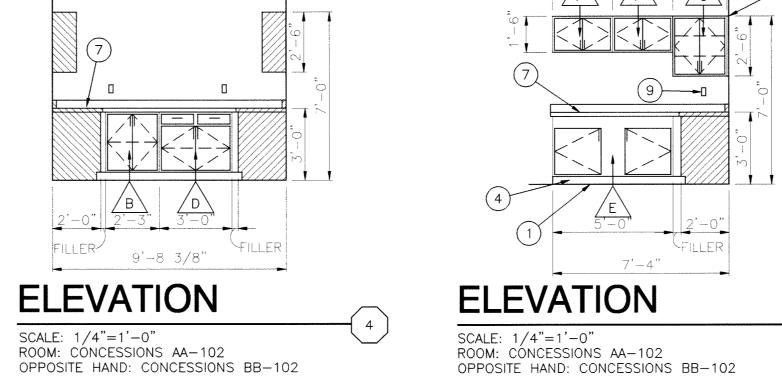
MARK	CATALOG NUMBER	WIDTH	DESCRIPTION	
Α	10129	24"	36"H X 24"D TWO DOOR BASE UNIT	
	10129 10129	27" 36"	36"H X 24"D TWO DOOR BASE UNIT 36"H X 24"D TWO DOOR BASE UNIT	
D	10432	36"	36"H X 24"D TWO DOOR/TWO DRAWER BASE UNIT	7
E	10479	60"	36"H X 24"D TWO DOOR SINK BASE W/: -JUST# TLX-2249-A-GR TRIPLE COMPARTMENT SINK -CHICAGO FAUCET# 201-AGN8AE3-317CP (GOOSENECK) -INSINK-ERATOR GARBAGE DISPOSER STAINLESS STEEL MODEL 17. LOCK COVER/BATCH FEED, ALTERNATE REVERSING SWITCH, WITH 3/4 H.P. SPLIT PHASE MOTOR, CORROSIONS PROTECTION SHIELD, SELF-SERVICE WRENCHETTE.	
	15129	30"	18"H X 12"D TWO DOOR WALL UNIT	GIBRALTAR
	15129 15129	27" 36"	30"H X 12"D TWO DOOR WALL UNIT 30"H X 12"D TWO DOOR WALL UNIT	
	15121	24"	30"H X 12"D ONE DOOR WALL UNIT — LEFT HAND	DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
	GEN	IER/	AL NOTES APPLIES TO SHEETS AI801	
11		NC. AND	RPOSES ONLY, MODEL NUMBERS ARE TAKEN FROM STEVENS ARE FOR CABINET REQUIREMENTS ONLY. SEE SPECIFICATIONS FOR	DDO ISOT
2. FI	LLER PANELS	. TRIM,	AND MOLDING PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE TO ADJACENT PARTITION, CEILING, AND/OR BULKHEAD.	PROJECT
3. WI	HERE CASEWO	ORK REC	PARTITION, CEILING, AND/OR BULKHEAD. QUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED. FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.	SITE
5. AL	L BACKSPLAS	SHES AN	D ENDSPLASHES SHALL BE 4" HIGH UNLESS OTHERWISE NOTED.	IMPROVEMENTS
7. 4	' HIGH VINYL	COVE E	DIMENSIONS WITH CASEWORK MANUFACTURER. BASE AT ALL TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES	
8. FI	ELD VERIFY A	LL DIME		TO LAWRENCE
AN	ID LOCATIONS		DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS	CENTRAL HIGH
10. A	ALL EXPOSED	SURFAC	ION SECTION 09001 FOR FINISHES. SES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS	
11. A	OF CABINETRY	CABINE	TS SHALL BE ALIGNED.	SCHOOL
			RE TO BE FINISHED. VE LOCKS, LOCK ALIKE PER ROOM.	AND
	KEY	NO	TES APPLIES TO SHEETS AI801	RELATED
			AI801 FOR TYPICAL KEYNOTES UNLESS OTHERWISE NOTED.	
1 2	LINE OF FI		FLOOR	WORK LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP
\times	CEILING LIN			INDIANAPOLIS, INDIANA
4	4" TOE SP			
\times	TICKET WIN			
(6)	24"D STAIN	ILESS S	STEEL COUNTERTOP	
7	25"D PLAST	TIC LAM	IINATE COUNTERTOP WITH DSPLASH AS REQUIRED	
(8)	SUPPORT L			
\sim		•	E BY DIVISION 16	
\sim				
\times	ROLL UP N			
(11)	4"H X 24"	D DRAV	VER WITH LOCK	
				GIBRALTAR DESIGN
				9102 N. Meridian St., Ste. 300 Indianapolis, IN 46260
				Homepage www.GibraltarDesign.com Email info@GibraltarDesign.com
				Phone 317.580.5777 Fax 317.580.5778
				PROJECT

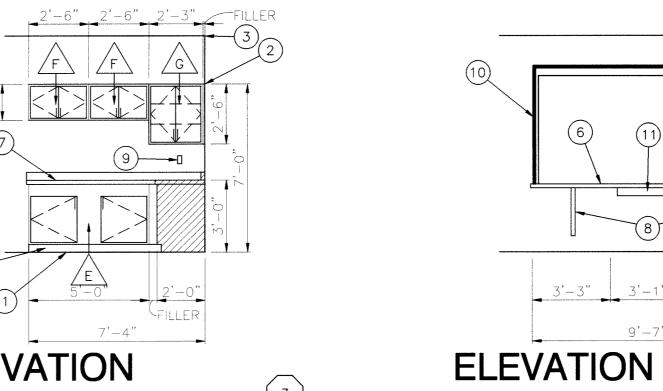
PLASTIC LAMINATE CASEWORK SCHEDULE

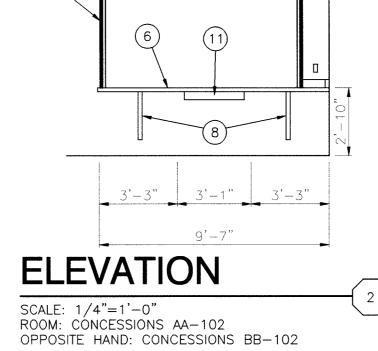


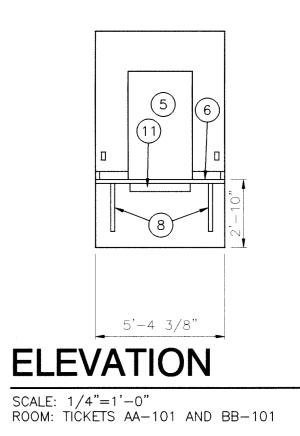
ELEVATION SCALE: 1/4"=1'-0"
ROOM: CONCESSIONS AA-102
OPPOSITE HAND: CONCESSIONS BB-102











GIBRALTAR **DESIGN**

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08-611

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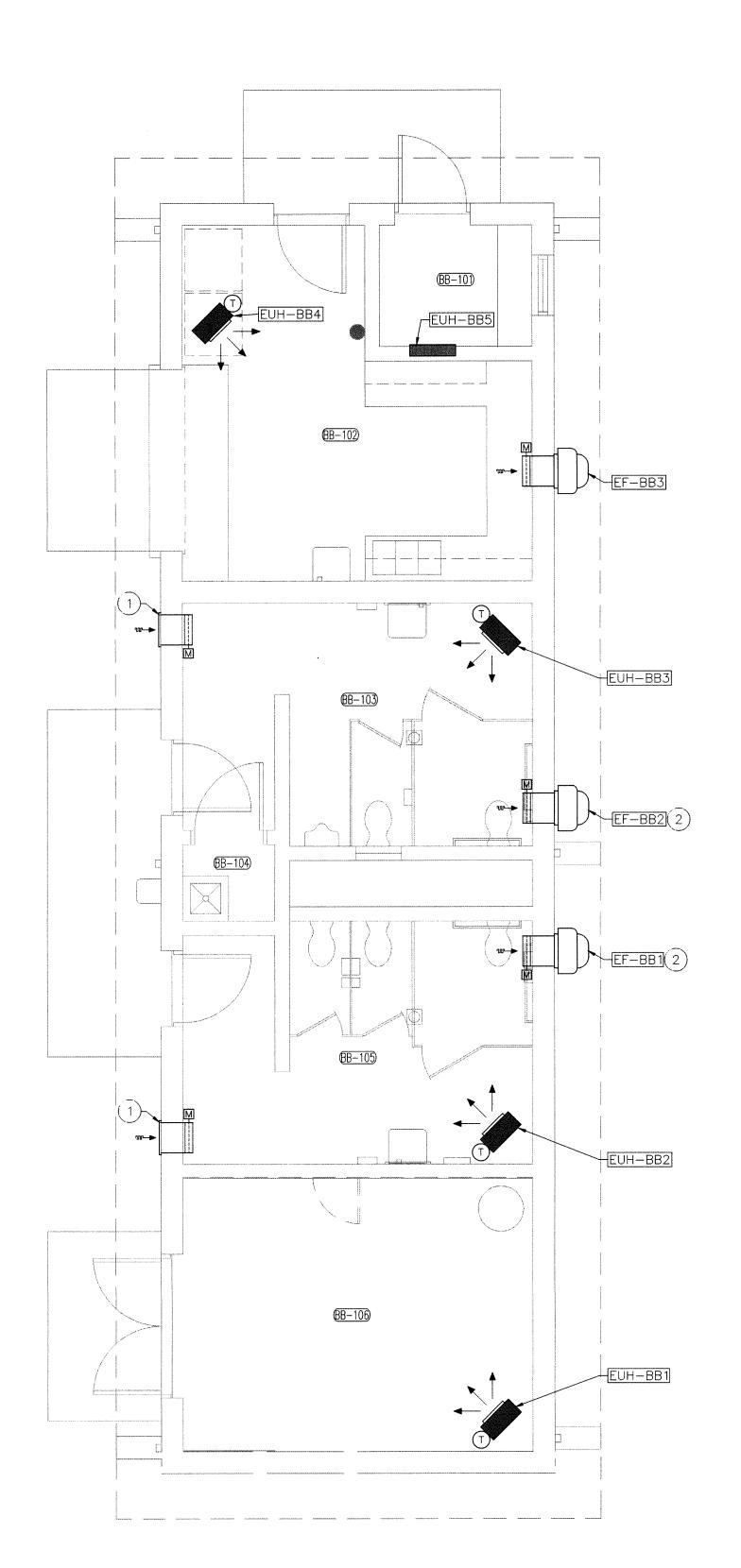
STATE OF

REVISIONS MARK DATE ISSUED FOR DRAWING PLASTIC LAMINATE CASEWORK ELEVATIONS AND SCHEDULE

SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

© GIBRALTAR DESIGN SHEET ___

Al801





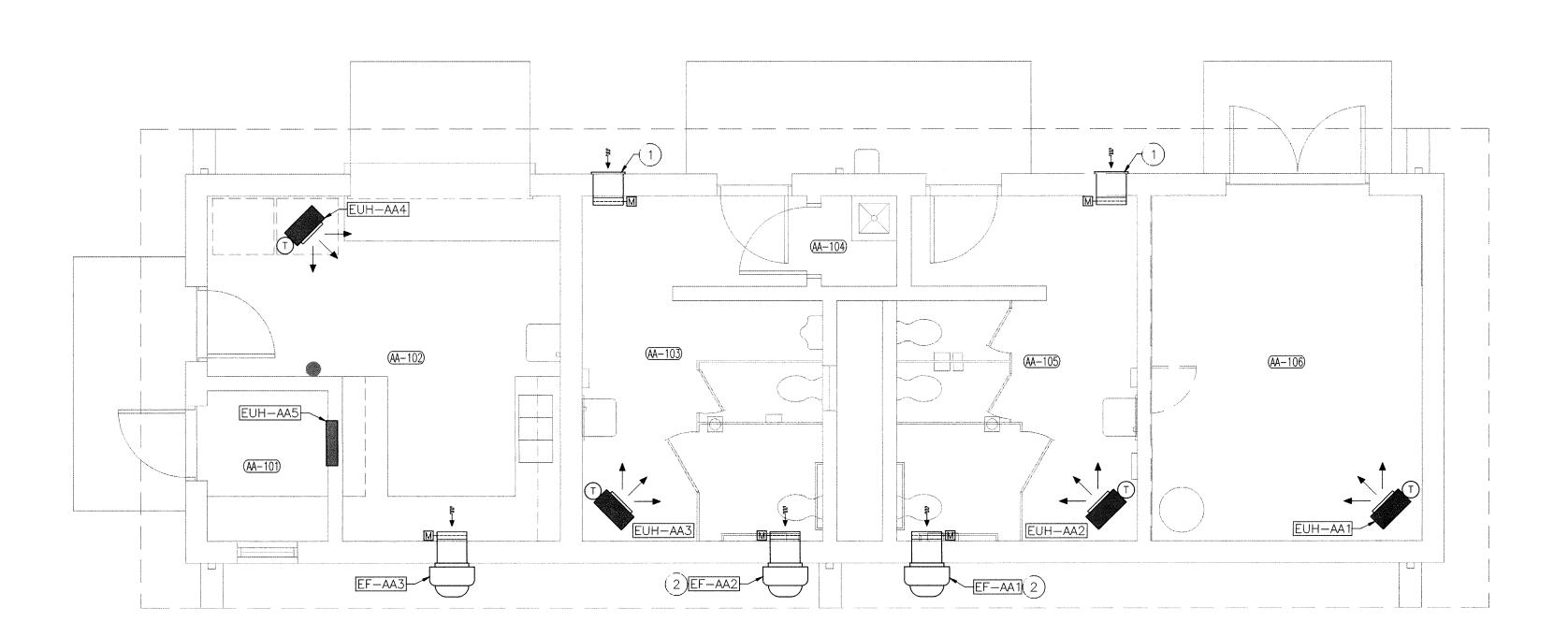
EUH NO.	ROOM SERVED	MARKEL MODEL NUMBER	TYPE AND ARRANGEMENT	МВН	KW	VOLTAGE	РН	HZ AMPS	FAN SPEED RPM	SEE NOTE
AA-1	AA-106	G1G5103	WALL MOUNTED	11.2	3.3	277	1		1550	1,2,3
AA-2	AA-105	G1G5103	WALL MOUNTED	11.2	3.3	277	1	_	1550	1,2,3
AA-3	AA-103	G1G5103	WALL MOUNTED	11.2	3.3	277	1	_	1550	1,2,3
AA-4	AA-102	G1G5103	WALL MOUNTED	11.2	3.3	277	1		1550	1,2,3
AA-5	AA-101	H775T	WALL RECESSED	5.1	1.5	277	1		1400	1,2
BB-1	BB-106	G1G5103	WALL MOUNTED	11.2	3.3	277	1		1550	1,2,3
BB-2	BB-105	G1G5103	WALL MOUNTED	11.2	3.3	277	1		1550	1,2,3
BB-3	BB-103	G1G5103	WALL MOUNTED	11.2	3.3	277	1		1550	1,2,3
BB-4	BB-102	G1G5103	WALL MOUNTED	11.2	3.3	277	1	_	1550	1,2,3
BB-5	BB-101	H775T	WALL RECESSED	5.1	1.5	277	1	_	1400	1,2

- 1. HEATING CAPACITIES ARE BASED ON 60°F ENTERING AIR, FINAL AIR TEMPERATURE SHALL BE 110°F.
- 2. UNIT TO HAVE SELF CONTAINED THERMOSTAT.
- 3. PROVIDE BRACKETS FOR CEILING MOUNTING.

		E	XHAUS	ST FAN	SC	HE	DUL	E.				
EF NO.	AREA EXHAUSTED	TYPE	GREENHECK MODEL NUMBER	BACKDRAFT DAMPER SIZE	CFM	SP. " OF W.C.	FAN RPM	MO [*]	TOR D	ATA PHASE	CONTROL NOTE #1	SEE NOTE
AA1	AA-105	SIDEWALL	CW-090-E	10"X10"	475	1/8"	1100	1/25	115	1	М	1
AA-2	AA-103	SIDEWALL	CW-090-E	10"X10"	475	1/8"	1100	1/25	115	1	М	1
AA-3	AA-102	SIDEWALL	CW-090-E	10"X10"	475	1/8"	1100	1/25	115	1	M	1
BB-1	BB-105	SIDEWALL	CW-090-E	10"X10"	475	1/8"	1100	1/25	115	1	М	1
BB-2	BB-103	SIDEWALL	CW-090-E	10"X10"	475	1/8"	1100	1/25	115	1	М	1
BB-3	BB-102	SIDEWALL	CW-090-E	10"X10"	475	1/8"	1100	1/25	115	1	М	1

NOTES:

1. CONTROL DESIGNATIONS: (M) FAN TO BE CONTROLLED BY MANUAL SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.





PLAN NOTES:

1) 16"X8" MAKE-UP AIR LOUVER IN WALL AS HIGH AS POSSIBLE, 16"X8" DUCT THRU WALL TO 16"X8" GRILLE INSIDE. INSTALL A MOTORIZED DAMPER WIRED TO EXHAUST FAN. DAMPER TO OPEN WHEN EXHAUST FAN OPERATES.

(2) EXHAUST FAN TO BE INSTALLED AS HIGH AS POSSIBLE.



DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS
TO LAWRENCE
CENTRAL HIGH
SCHOOL
AND
RELATED
WORK
LAWRENCE CENTRAL HIGH SCHOOL
MSD LAWRENCE TOWNSHIP
INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300 Indianapolis, IN 46260 Homepage www.GibraltarDesign.com Email info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778

PROJECT

08-611

DATE

01/27/09

COORDINATED BY
JWH

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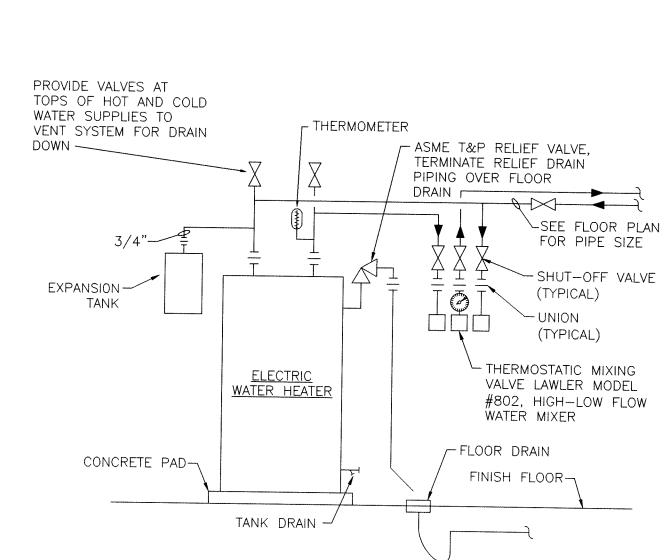
MARK DATE

DRAWING
UNIT 'AA' AND 'BB'
MECHANICAL PLANS

PROJECT
SITE IMPROVEMENTS TO LAWRENCE
CENTRAL HS

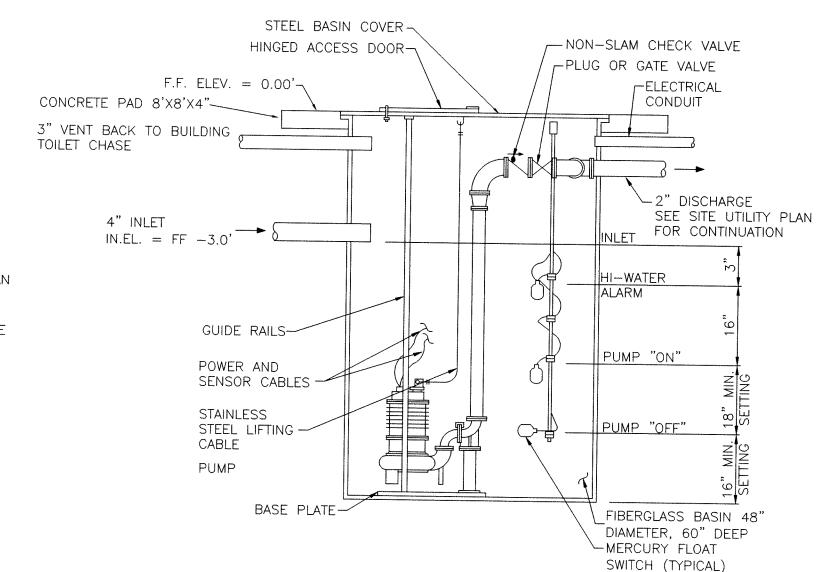
AR DESIGN SHEET

M-101



ELECTRIC WATER HEATER PIPING DETAIL NOT TO SCALE

BUILDING WATER HEATERS: SHALL BE AO SMITH MODEL DEL-40 ELECTRIC WATER HEATERS. 40 GALLON CAPACITY, 41 GPH AT 100° RISE. TWO 5KW ELEMENTS, VOLTAGE 480/3ø.



NOT TO SCALE UNITS "AA" AND "BB"

SEWAGE EJECTOR DETAIL

PLUMBING EQUIPMENT SCHEDULE UNIT SEWAGE EJECTOR PUMP: SHALL BE EQUAL TO WEIL MCCLAIN MODEL 2427F WITH 2613 RAIL REMOVAL SYSTEM. CAPACITY 45 GPM @ 22 HEAD. DUPLEX PUMP ARRANGEMENT, WITH 48" DIAMETER X 8'-4" DEEP SUMP BASIN WITH STEEL LID, CONTROL PANEL WITH ALTERNATING LEAD/LAG PUMP CONTROLS. ELECTRICAL DATA: 2 HP, 208 VOLT, 3 PHASE, 1750 RPM.

GENERAL NOTES:

- 1. SEE SHEET P-001 FOR GENERAL PLUMBING NOTES, LEGEND, SCHEDULES AND DETAILS.
- 2. PIPING SHOWN BUT NOT NOTED IS EXISTING AND SHALL REMAIN IN
- 3. ALL HORIZONTAL WATER PIPING BRANCHES SHALL BE SLOPED TO VERTICAL DROPS FOR DRAINING AT HOSE BIBBS. HOSE BIBBS PROVIDE FOR BOTH HOT AND COLD WATER DRAIN DOWN. VERTICAL RISERS NOT ABLE TO BE DRAINED AT HOSE BIBB LOCATIONS SHALL HAVE DRAIN VALVES AT THE LOWEST POINT FOR DRAINING. FIXTURES AND FLOOR DRAINS MUST BE PROTECTED FROM FREEZING BY FILLING TRAPS WITH ANTI FREEZE. WATER HEATER MUST BE COMPLETELY DRAINED MANUALLY.

PLAN NOTES:

- (1) 2"W UP TO SERVE DRINKING FOUNTAIN.
- (2) 2"W UP TO SERVE MOP SINK, 2"V UP IN WALL.
- (3) 4"W UP IN CHASE TO SERVE WATER CLOSETS AND URINAL. (4) 2"W UP TO SERVE FLOOR DRAIN.
- (5) 3"W UP TO SERVE LAVATORY AND 3 COMPARTMENT SINK.
- (6) 2"W UP TO SERVE LAVATORY.
- (7) 3"W UP TO SERVE FLOOR DRAIN (AT BACKFLOW PREVENTER).
- (8) 2" DOMESTIC WATER UP TO BUILDING.
- (9) 3/4"CW, 3/4"HW, 2"VENT DOWN IN WALL CONNECT 1/2"CW, 1/2"HW, 1 1/2"V, 1 1/2"W TO EACH LAVATORY AND 3 COMPARTMENT SINK. SINK BY OTHERS. INSTALLATION AND CONNECTION BY PLUMBING
- 10) 1/2"CW, 1/2"HW, 1 1/2"V DOWN. CONNECT 1/2"CW, 1 1/2"V, 1 1/2"W TO DRINKING FOUNTAIN.
- (11) 2"CW DOWN IN CHASE. RUN 2"CW FULL SIZE AS HEADER TO SERVE FIXTURES. CONNECT 1"CW, 2"V, 4"W TO EACH WATER CLOSET. CONNECT 3/4"CW, 2"V, 2"W TO URINAL. PROVIDE WATER HAMMER ARRESTOR AT END OF HEADER. PROVIDE HOSE BIBB AT LOWEST
- (12) FROST PROOF BOX HYDRANT: J R SMITH 5560QT, 3/4"HW AND 3/4"CW TO BOX HYDRANT. INSTALL BOX HYDRANT AT LOWEST POINT OF DROP FOR WINTER DRAIN DOWN.
- 13 1/2"CW, 1/2"HW, 1 1/2"V DOWN TO LAVATORY. CONNECT HOSE BIBBS AT LOWEST POINT OF DROP FOR WINTER DRAIN DOWN.
- 14 1"CW DOWN TO WATER HEATER. 1"HW FROM WATER HEATER TO MIXING VALVE. THW FROM MIXING VALVE TO BUILDING FIXTURES.
- (15) 3" VENT FROM SEWAGE EJECTOR PIT UP. CONNECT TO 4" VTR BEFORE PENETRATING ROOF.
- (16) 1 1/2"VENT DOWN IN WALL. ROUTE 1/2"CW, 1/2"HW FROM DROPS AT 3 CPMPARTMENT SINK TO HAND WASHING SINK. SLOPE ALL WATER SUPPLY PIPING BACK TO WALL HYDRANT / HOSE BIBB.

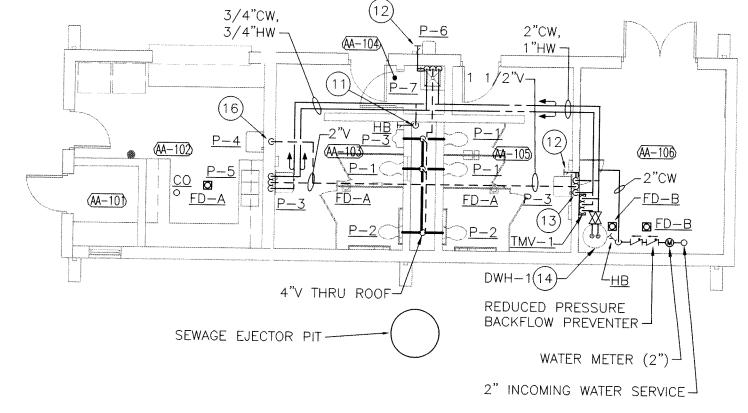
WINTER DRAIN DOWN SEQUENCE

USE THE FOLLOWING PROCEDURE FOR WINTER DRAIN DOWN. BLOW DOWN WILL NOT BE REQUIRED WITH THIS DESIGN AS ALL WATER PIPING BRANCHES SHALL BE SLOPED TO DROPS WHERE HOT AND COLD WATER HOSE BIBBS ALLOW FOR DRAINING TO BUILDING EXTERIOR AND DRAIN VALVES SHALL BE PLACED AT ALL VERTICAL DROPS AS SHOWN IN INTERIOR.

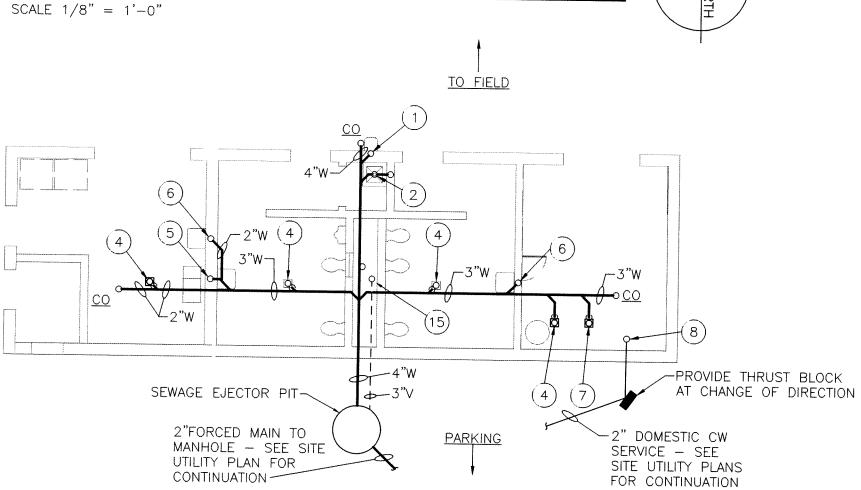
1. SHUT WATER OFF AT MAIN VALVE UPSTREAM OF WATER METER.

- 2. OPEN ALL HOT AND COLD WATER VALVES AT EXTERIOR HOSE BIBB LOCATIONS.
- 3. OPEN VENT VALVES IN WATER MAINS ABOVE WATER HEATER.
- 4. OPEN DRAIN VALVE AT BACKFLOW PREVENTER.
- 5. OPEN DRAIN VALVE AT DROP FOR IRRIGATION WATER SUPPLY (SOCCER FIELD
- 6. OPEN WATER HEATER DRAIN VALVE AND ALLOW TO DRAIN COMPLETELY. LEAVE ALL VALVES OPEN OVER WINTER SO RESIDUAL WATER AND CONDENSATION CAN DRAIN. ALL WATER SUPPLY PIPING SHALL BE SLOPED TO EXTERIOR HOSE
- 7. ALL HOSE BIBBS, DRAIN DOWN VALVES, AND VENTS SHALL BE LEFT OPEN DURING THE WINTER TO ALLOW FOR DRAINING OF RESIDUAL WATER AND CONDENSATION. 8. REVERSE PROCEDURE FOR SPRING START UP.

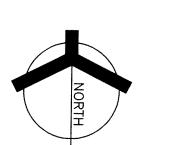
-4"V THRU ROOF

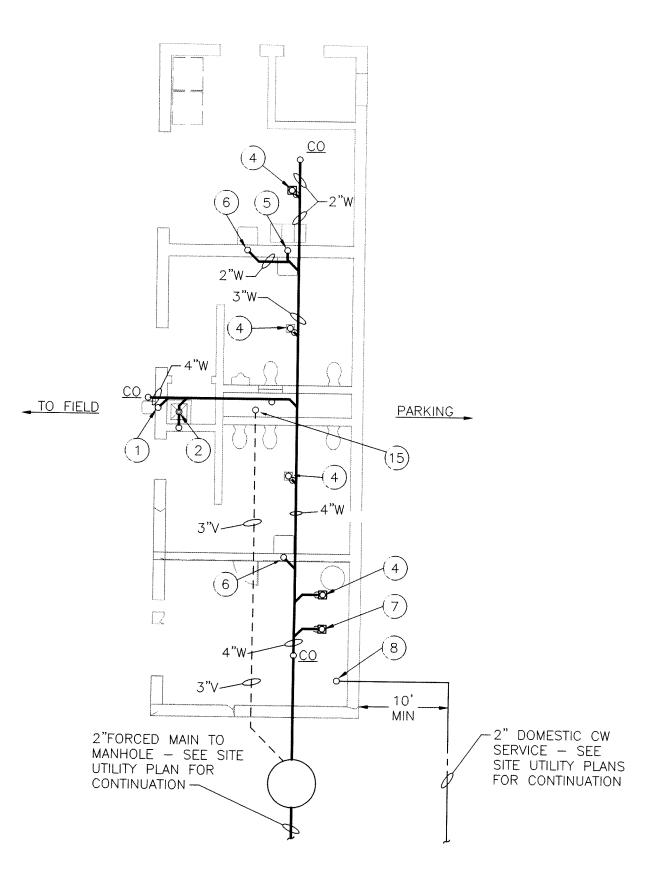


UNIT 'AA' BASEBALL CONCESSION BUILDING PLUMBING FLOOR PLAN

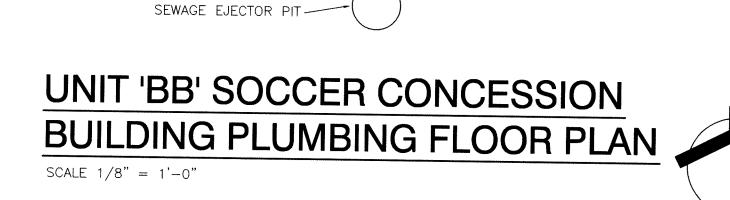


UNIT 'AA' BASEBALL CONCESSION BUILDING PLUMBING FOUNDATION PLAN SCALE 1/8" = 1'-0"





UNIT 'BB' SOCCER CONCESSION BUILDING PLUMBING FOUNDATION PLAN SCALE 1/8" = 1'-0"



3/4"CW, 3/4"HW-

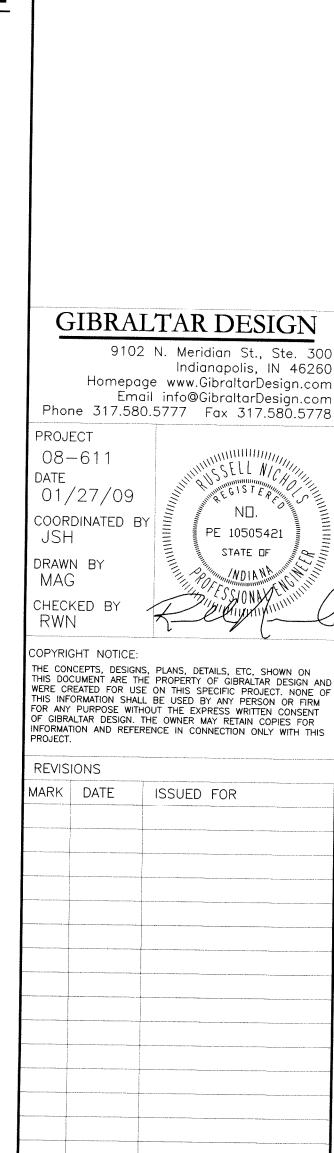
2"CW,

PRESSURE

BACKFLOW

PREVENTER -

2"CW DROP TO 48" A.F.F. FOR CONNECTION TO IRRIGATION SYSTEM -



GIBRALTAR

DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

IMPROVEMENTS

TO LAWRENCE

CENTRAL HIGH

LAWRENCE CENTRAL HIGH SCHOOL

MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

PROJECT

SITE

SCHOOL

RELATED

WORK

AND

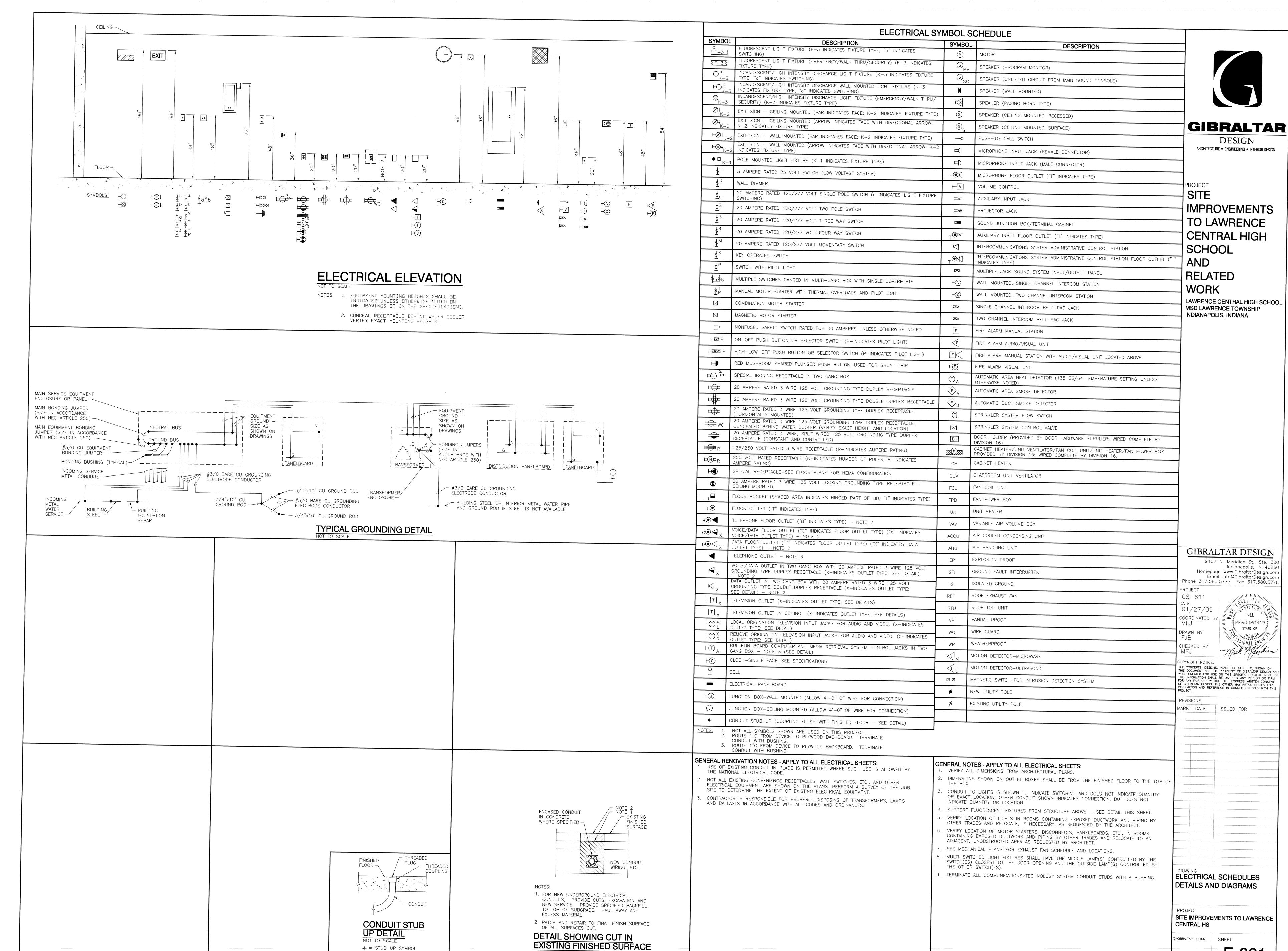
SITE IMPROVEMENTS TO LAWRENCE

GIBRALTAR DESIGN

CENTRAL HS

DRAWING
UNIT 'AA' AND 'BB' PLUMBING

P-101



DEMOLITION NOTES: (THESE NOTES APPLY TO THIS SHEET ONLY)

- 1 EXISTING LOCAL POWER COMPANY POLE, LIGHTING FIXTURE, AND OVERHEAD SECONDARY SERVICE. MAKE ARRANGEMENTS AND COORDINATE WITH THE LOCAL POWER COMPANY TO DISCONNECT AND REMOVE THE POLE, FIXTURE AND OVERHEAD SERVICE. CONDUCTORS ARE TO BE REMOVE BACK TO UTILITY POLE LOCATED ON THE SOUTH SIDE OF THE PROPERTY.
- 2 EXISTING LOCAL POWER COMPANY POLE MOUNTED TRANSFORMER SERVING EXISTING STORAGE BUILDING. MAKE ARRANGEMENTS AND COORDINATE WITH THE LOCAL POWER COMPANY TO DISCONNECT AND REMOVE THE TRANSFORMER.
- 3 EXISTING LOCAL POWER COMPANY POLE MOUNTED TRANSFORMERS SERVING EXISTING SHELTER AND HOUSE. MAKE ARRANGEMENTS AND COORDINATE WITH THE LOCAL POWER COMPANY TO DISCONNECT AND REMOVE THE TRANSFORMERS.
- DISCONNECT AND REMOVE EXISTING SERVICE METER BASE. REMOVE EXISTING SECONDARY CONDUCTORS BACK TO THE POLE MOUNTED TRANSFORMER LOCATED ON THE SOUTH SIDE OF THE PROPERTY.
- 5 DISCONNECT AND REMOVE EXISTING METER CABINET. REMOVE EXISTING SECONDARY CONDUCTORS BACK TO THE POLE MOUNTED TRANSFORMERS LOCATED ON THE WEST SIDE OF THE PROPERTY.
- 6 DISCONNECT AND REMOVE EXISTING DISTRIBUTION EQUIPMENT SERVING THE EXISTING SHELTER AND HOUSE. REMOVE THE
- EXISTING FEEDERS SERVING THE EXISTING SHELTER AND HOUSE. 7 DISCONNECT AND REMOVE EXISTING UNDERGROUND SECONDARY CONDUCTORS FROM METER CABINET BACK TO THE POLE MOUNTED
- 8 EXISTING POWER COMPANY OVERHEAD PRIMARY SERVICE AND POLE TO REMAIN.
- 9 DISCONNECT AND REMOVE EXISTING UNDERGROUND FEEDERS.

GENERAL NOTES: (THESE NOTES APPLY TO THIS SHEET ONLY)

1. DISCONNECT ALL ELECTRICAL SECONDARY SERVICES ON THIS SITE BACK TO THE UTILITY POLE MOUNTED TRANSFORMERS.

PLAN NOTES: (THESE NOTES APPLY TO THIS SHEET ONLY)

(1) NEW INCOMING UNDERGROUND PRIMARY ELECTRICAL SERVICE BY LOCAL POWER COMPANY. PROVIDE 4" CONDUIT FOR PRIMARY CONDUCTOR. COORDINATE WITH LOCAL POWER COMPANY. REFER TO SECTION 16420 FOR ADDITIONAL INFORMATION.

(2) NEW PAD MOUNTED TRANSFORMER TRANSFORMER BY LOCAL POWER COMPANY. PROVIDE CONCRETE PAD FOR TRANSFORMER. REFER TO SPECIFICATION SECTION 16420 FOR ADDITIONAL INFORMATION. (3) NEW INCOMING UNDERGROUND SECONDARY ELECTRICAL SERVICE.

SEE POWER DISTRIBUTION DIAGRAM ON SHEET E-701. (4) EXISTING POWER UTILITY POLE TO REMAIN.

(5) THE SOCCER LIGHTING POLES ARE TO BE CONNECTED TO POWER CIRCUITS AND RELAYS AS FOLLOWS: POLE #S1: SFH1-7,9,11 2" PVC, 3-#1 AND 1-#4 GRD VIA RELAY POLE #S2 - SFH1-13,15,17 2" PVC, 3-#4 AND 1-#8 GRD VIA RELAY RSF-S2. POLE #S3 - SFH1-8,10,12 2" PVC, 3-#3 AND 1-#6 GRD VIA RELAY RSF-S3. POLE #S4 - SFH1-14,16,18 2" PVC, 3-#4 AND 1-#8 GRD VIA RELAY "RSF-S4.

(6) FEEDER TO PANELBOARD PROVIDED WITH THE PRESS BOX. SEE POWER DISTRIBUTION DIAGRAM ON SHEET E-701.

(7) CONNECT THE TYPE K-4 LIGHTING FIXTURES TO CIRCUIT SFH1-6 VIA RELAY RSF-1, EXCEPT FOR THE SOUTH TYPE K-4 LIGHTING FIXTURE LOCATED ON POLE #S4 IS TO BE CONTROLLED BY RELAY RSF-2. PROVIDE 1"C, 4-#10, AND 2-#10 GRD.

(8) CONNECT CIRCUITS TO EXISTING LIGHTS AND RECEPTACLES LOCATED IN THE EXISTING STORAGE BUILDING. PROVIDE 2P-30 AMP

- NON-FUSIBLE DISCONNECT SWITCH INSIDE STORAGE BUILDING AT CIRCUIT ENTRY POINT. (9) CONNECT CIRCUIT TO ELECTRIC GATE CONTROL PANEL. PROVIDE
- ALL CONTROL CONDUIT AND WIRING FROM THE KEYED SWITCH AT THE GATE., PROVIDED BY THE GATE MANUFACTURER, TO THE CONTROL PANEL. PROVIDE ALL CONTROL WIRING PER MANUFACTURER INSTRUCTIONS.
- (10) INSTALL RECEPTACLE ON GALVANIZED STRUCTURAL CHANNEL ELECTRIC GATE CONTROL PANEL LOCATION.
- (11) CONNECT SCOREBOARD TO SPARE 1P-15 OR 1P-20 AMPERE CIRCUIT BREAKER IN THE PRESS BOX PANELBOARD. SCOREBOARD CONTROL TO BE WIRELESS.
- (12) PROVIDE A NEMA 3R CIRCUIT BREAKER ENCLOSURE WITH TWO 1P-15 AMP CIRCUIT BREAKERS AT THE SCOREBOARD. INSTALL ENCLOSURE AT 60 INCHES ABOVE FINISHED GRADE ON SCOREBOARD SUPPORT. PROVIDE A WEATHERPROOF, GFCI RECEPTACLE AT THE SCOREBOARD INSTALLED IMMEDIATELY BELOW THE ENCLOSURE. ROUTE SCOREBOARD CIRCUIT THROUGH ENCLOSURE CIRCUIT BREAKERS. CONNECT ONE CIRCUIT BREAKER TO THE SCOREBOARD AND THE OTHER CIRCUIT BREAKERS TO THE RECEPTACLE.
- (13) INSTALL TYPE K-6 EMERGENCY LIGHTING FIXTURE AT THE TOP OF THE VERTICAL POST SUPPORTS BEING PROVIDED WITH THE BLEACHERS. CONNECT THE FIXTURE TO THE PRESS BOX LIGHTING CIRCUIT AHEAD OF ALL CONTROLS.
- (14) INSTALL TYPE K-6 EMERGENCY LIGHTING FIXTURE ON FRONT OF PRESS BOX ABOVE WINDOW. CONNECT THE FIXTURE TO THE PRESS BOX LIGHTING CIRCUIT AHEAD OF ALL CONTROLS.

SITE PLAN NOTES - GENERAL

- ALL WORK SHOWN ON THIS SHEET IS NEW AND BY THE ELECTRICAL TRADES, UNLESS OTHERWISE NOTED.
- 2. RELOCATE OR REMOVE ANY OR ALL EXISTING SERVICES, POLES, ETC., AS MAY BE REQUIRED TO ACCOMMODATE NEW CONSTRUCTION UNLÉSS OTHERWISE NOTED.
- PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE LOCAL POWER COMPANY TO PROVIDE NEW ELECTRICAL SERVICE.
- 4. PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE LOCAL TELEPHONE COMPANY TO PROVIDE NEW TELEPHONE SERVICE. 5. ALL UNDERGROUND ELECTRICAL CONDUITS TO BE INSTALLED MINIMUM OF 36 INCHES BELOW FINISHED GRADE.



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IMPROVEMENTS TO LAWRENCE **CENTRAL HIGH** SCHOOL AND RELATED

LAWRENCE CENTRAL HIGH SCHOOL

MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 3

Indianapolis, IN 4626 Homepage www.GibraltarDesign.co Email info@GibraltarDesign.co Phone 317.580.5777 Fax 317.580.577 08-611 COORDINATED DRAWN BY

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REVISIONS MARK DATE ISSUED FOR

SOCCER FIELD SITE PLAN

PROJECT SITE IMPROVEMENTS TO LAWRENCE CENTRAL HS

Call Monday through Friday—7 AM to 6 PM

Vitin Indiana

Call 1—800—382—5544

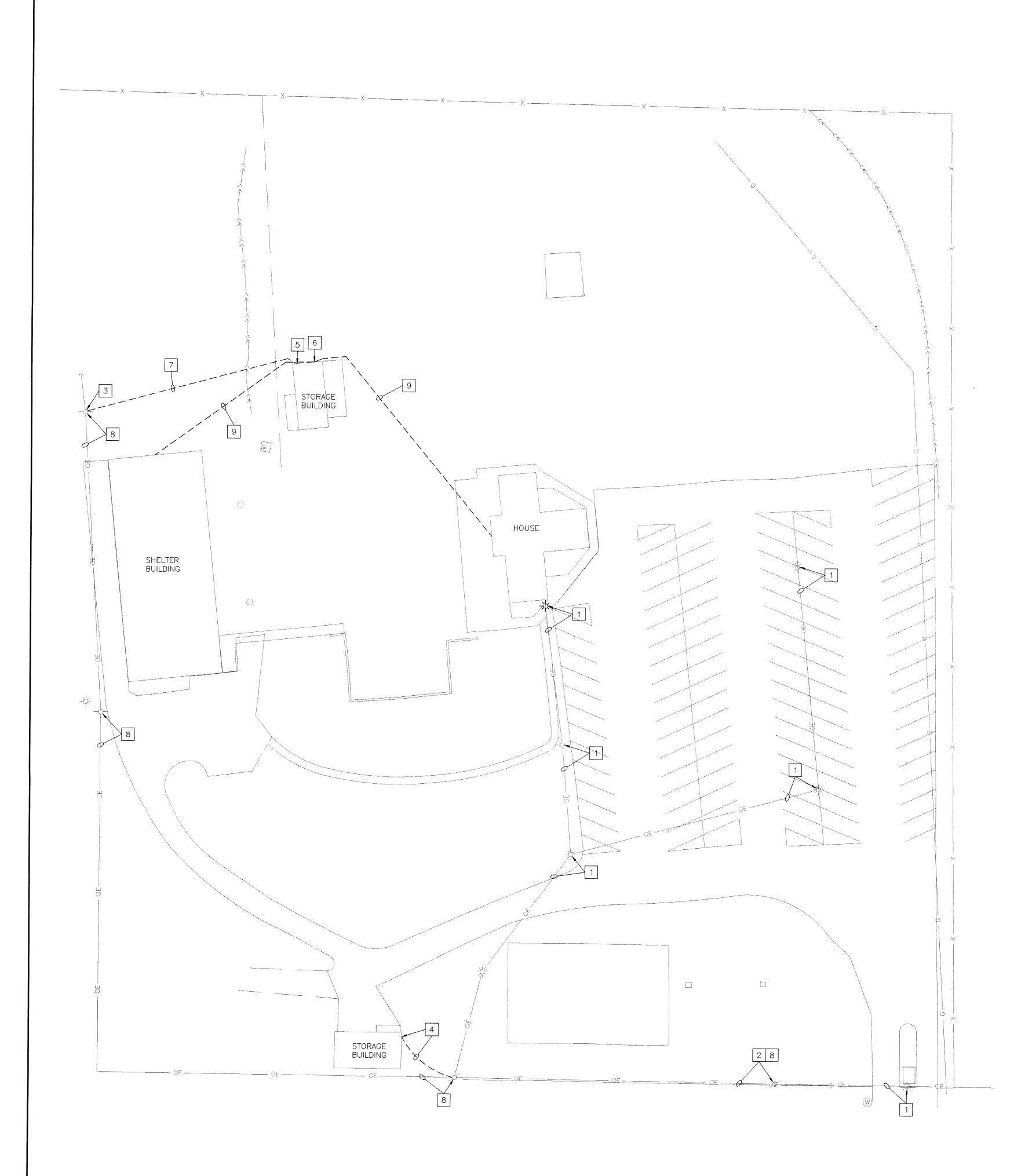
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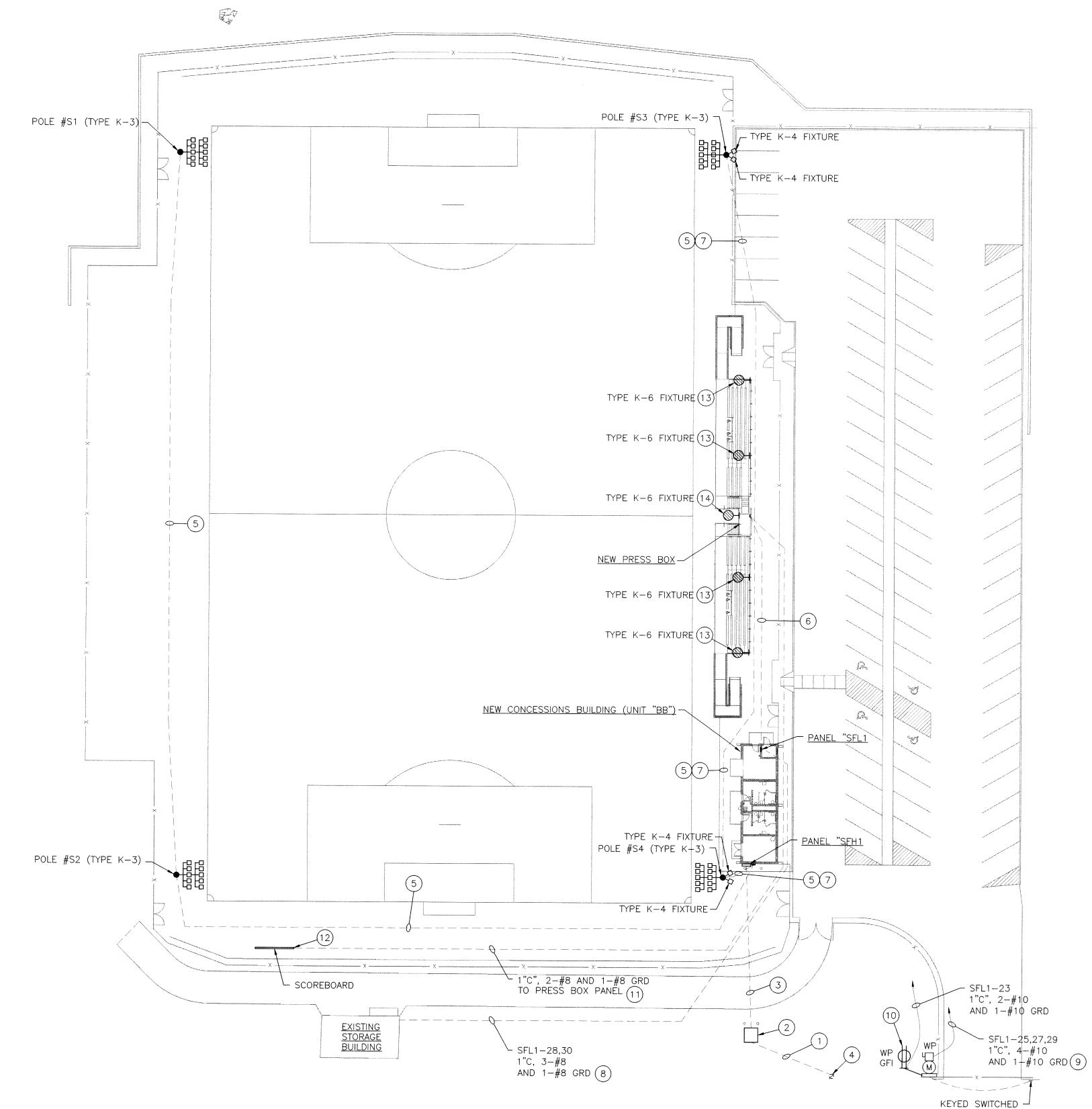
Call 1—800—428—5200

2 Working Days Before You Dig.

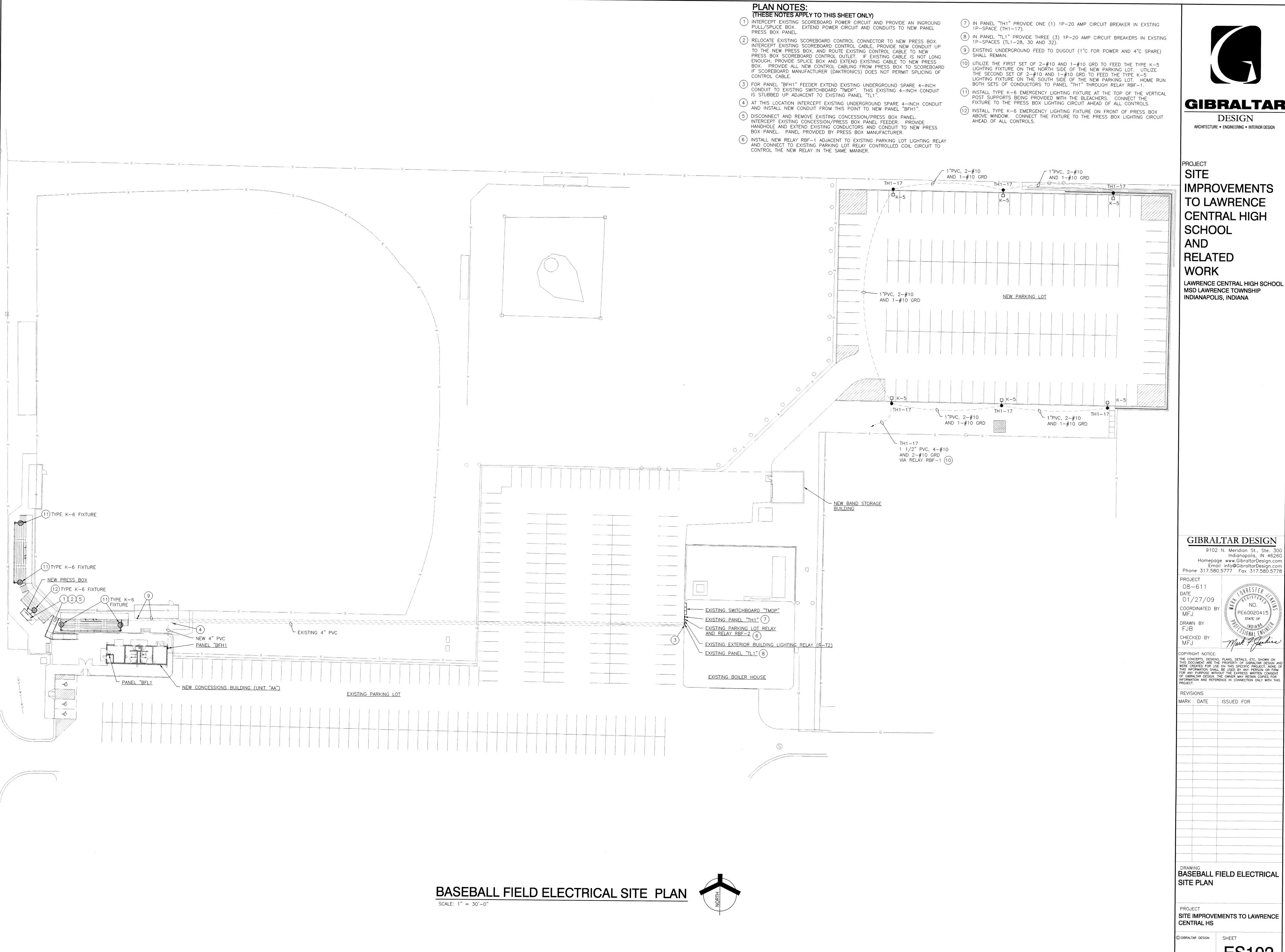
) GIBRALTAR DESIGN

ES101





SOCCER FIELD ELECTRICAL SITE PLAN SCALE: 1" = 30'-0"



GIBRALTAR

DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT IMPROVEMENTS TO LAWRENCE CENTRAL HIGH SCHOOL AND RELATED

GIBRALTAR DESIGN

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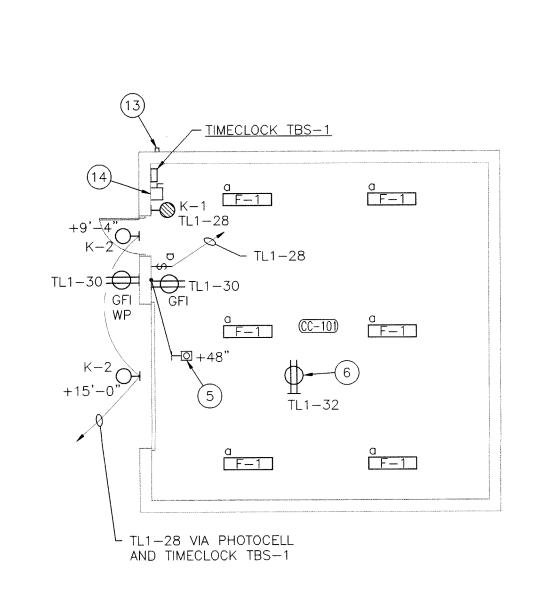
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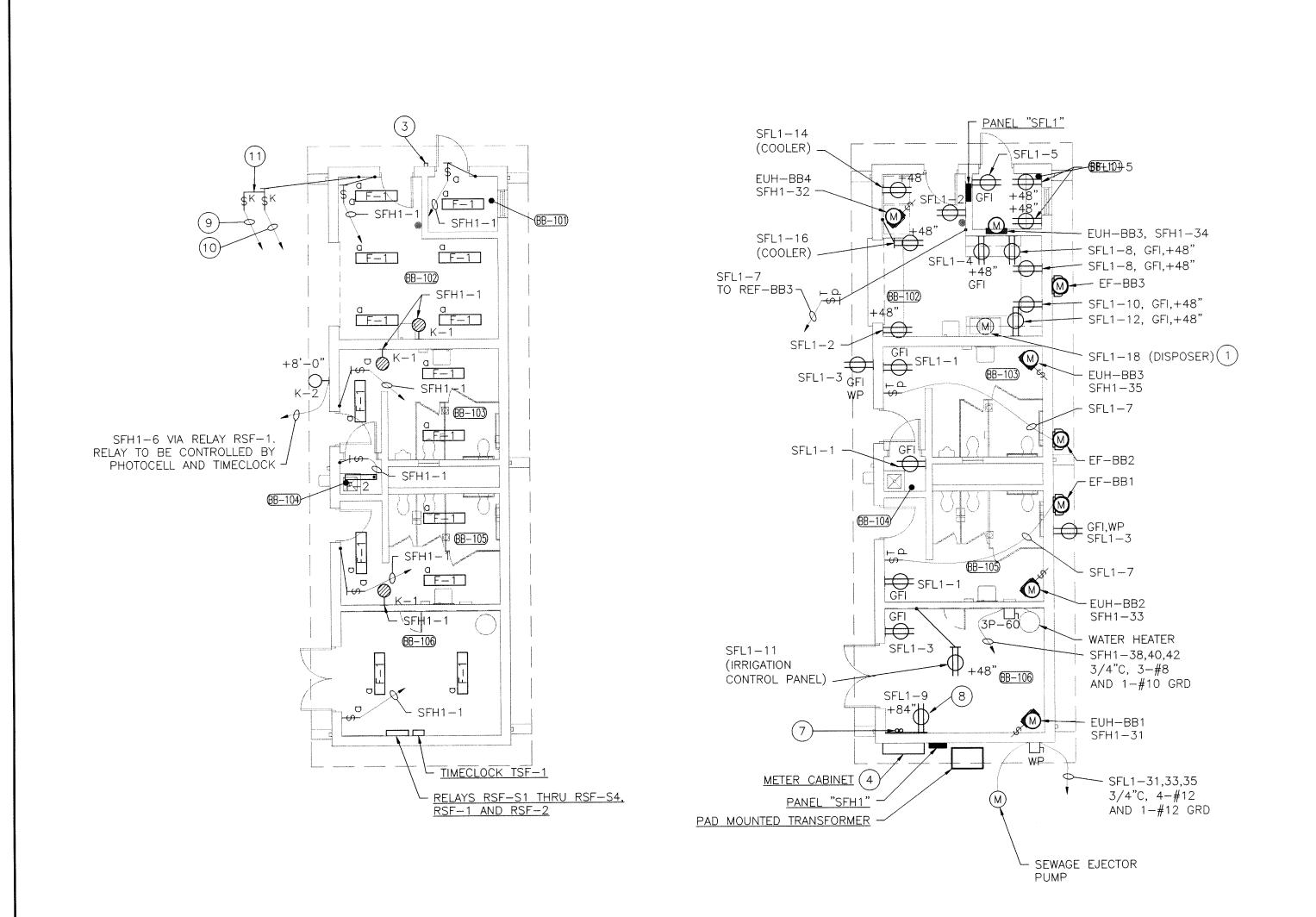
BASEBALL FIELD ELECTRICAL SITE PLAN

CENTRAL HS

GIBRALTAR DESIGN SHEET



UNIT "CC" CONCESSIONS BUILDING ELECTRICAL PLAN



UNIT "BB" CONCESSIONS BUILDING

ELECTRICAL LIGHTING AND POWER PLANS

PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY) 1) INSTALL DUPLEX RECEPTACLE FOR THE GARBAGE DISPOSAL IN THE CABINET BELOW THE SINK.

(2) ANNOUNCERS PANEL. SEE SPECIFICATION SECTION 16768. PROVIDE FLEXIBLE CONDUIT TO THE OUTLET BOX LOCATED ON THE SOUTH WALL. THE OUTLET BOX LOCATED ON THE SOUTH WALL WILL BE PROVIDED BY PRESS BOX MANUFACTURER.

3) PHOTOCELL CONTROL (TORK #2107). INSTALL PHOTOCELL AT +8'-0". CONNECT TO TIMECLOCK TSF-1 AND RELAY RSF-1.

(4) SEE SPECIFICATIONS SECTION 16420 FOR METER CABINET REQUIREMENTS. 5) INSTALL OVERHEAD DOOR CONTROLS AND WIRING PROVIDED BY OVERHEAD

DOOR MANUFACTURER. 6 PROVIDE CEILING MOUNTED RECEPTACLE FOR OVERHEAD DOOR. VERIFY EXACT LOCATION WITH OVERHEAD DOOR MANUFACTURER.

7) FOR FUTURE TELECOMMUNICATIONS PROVIDE TWO 4" CONDUITS ADJACENT TO PLYWOOD BACKBOARD PROVIDED BY GENERAL CONTRACTOR. STUB CONDUITS 6" AFF AND OUT 15'-0" FROM THE BUILDING. CAP AND MARK THE CONDUITS FOR FUTURE TELECOMMUNICATIONS.

(8) INSTALL DUPLEX RECEPTACLE ON PLYWOOD BACKBOARD.

(9) SFH1-5 TO COILS OF RELAYS RSF-S1 THROUGH RSF-S4.

(10) SFH1-6 TO COIL OF RELAY RSF-2.

(11) SEE SOCCER FIELD LIGHTING CONTROL STATION DETAIL ON SHEET E-601.

"TL1". CONNECT CIRCUITS THROUGH THE DISCONNECT SWITCH.

RELOCATED PA EQUIPMENT CABINET

(12) PHOTOCELL CONTROL (TORK #2107). INSTALL PHOTOCELL AT +8'-0''. CONNECT TO TIMECLOCK TBF-1.

(13) PHOTOCELL CONTROL (TORK #2107). INSTALL PHOTOCELL AT +8'-0". CONNECT TO TIMECLOCK TBS-1. (14) PROVIDE 3P-30 AMP NON-FUSIBLE DISCONNECT SWITCH INSIDE STORAGE BUILDING AT ENTRY POINT OF NEW CIRCUITS FROM PANEL



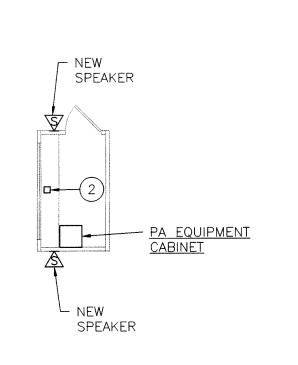
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LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

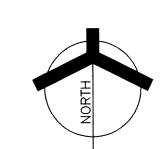
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SCALE: 1/8" = 1'-0"



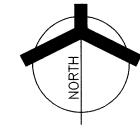
BASEBALL FIELD PRESS BOX ELECTRICAL PLAN SCALE: 1/8" = 1'-0"

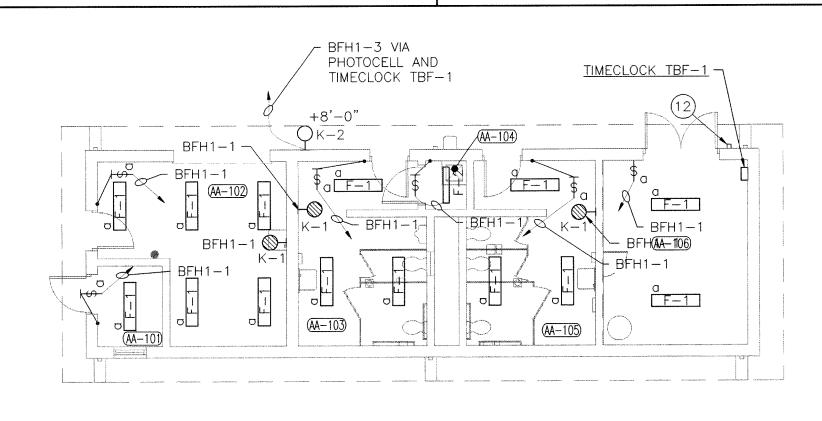
- RELOCATED SPEAKER

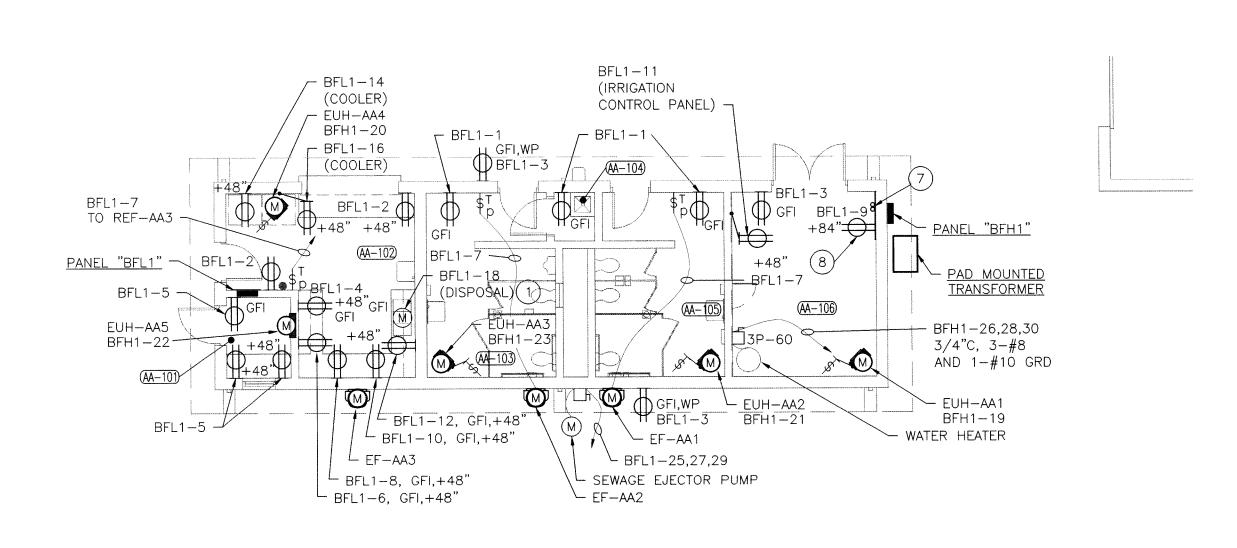
NEW SPEAKER

RELOCATED

SPEAKER







UNIT "AA" CONCESSIONS BUILDING **ELECTRICAL LIGHTING AND POWER PLANS** SCALE: 1/8" = 1'-0"

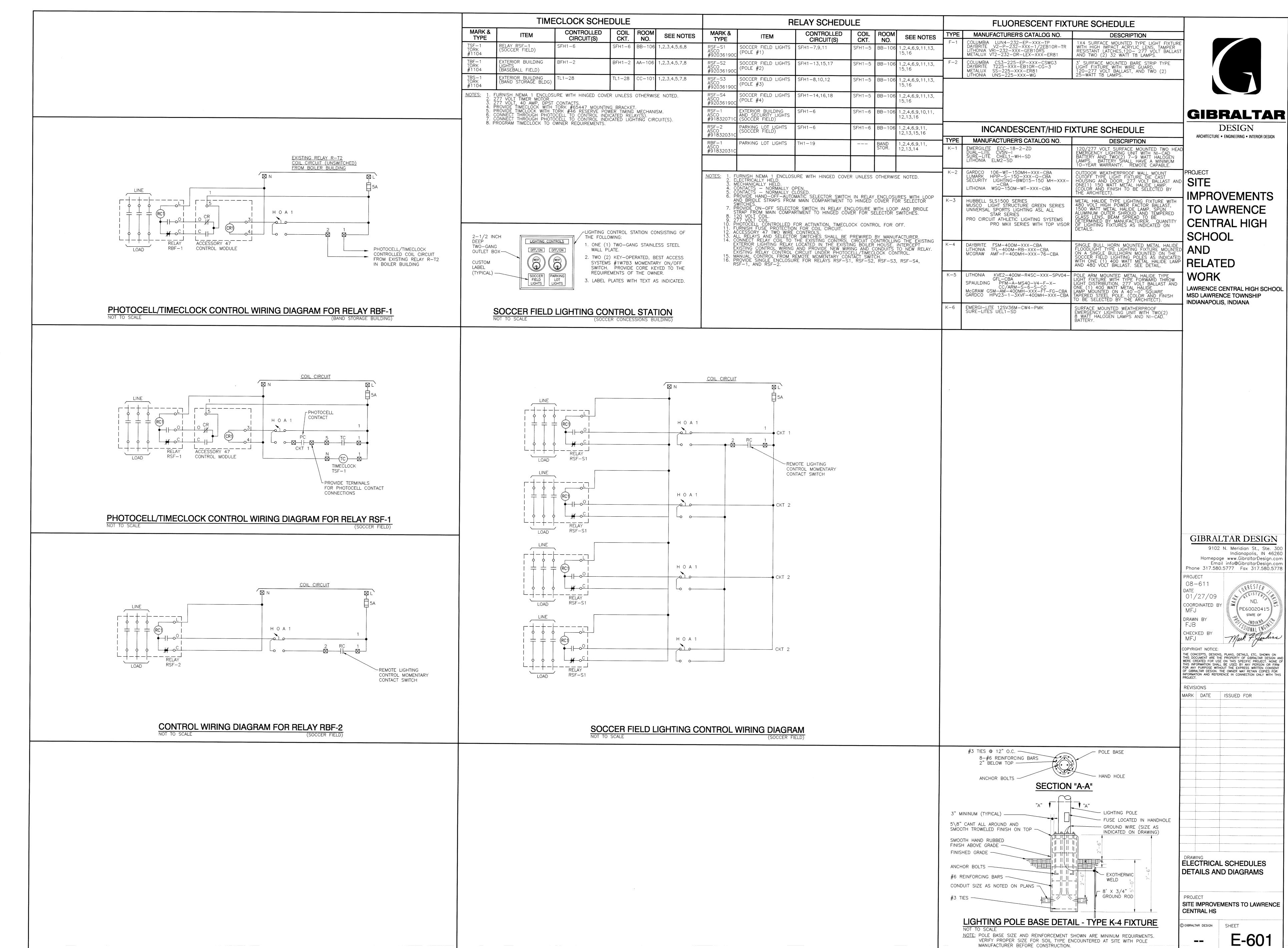
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> **CENTRAL HS** GIBRALTAR DESIGN

PROJECT

E-101

SITE IMPROVEMENTS TO LAWRENCE



E-601

MUSCO

PRO CIRCUIT ATHLETIC LIGHTING SYSTEMS

HUBBELL

UNIVERSAL SPORTS LIGHTING

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FLUSH MOUNTED				 		<u></u>	l L		-	} 			ļ		1	
DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	l a	В	С	HEAT	A/C	FUTR	DOLE	TDID	100	DESCRIPTION
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BB-101 RECEPS (3)	5	inandiananan 1	20	- MARIE AND THE PROPERTY OF TH	0.54	more characteristics	 		0.54	emose, manestructure	EULANS AUTONOMO					A CONTRACTOR OF THE PROPERTY O
					1	1.00			1.00				1	20	6	BB-102 RECEPS (1)
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				1		1.00	1.00		 	Description of the second		1	1	20	T a	BB-102 RECEPS (1)
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IRRIGATION CONTROL	inity Section 1.	A Defendencie Auto	Nacidal Calendaria			l	*******			н¥ти ньюболинисский	MATERIAL PROPERTY OF THE PROPE				ti	
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254 - 24 - 24 - 254 - 24 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 - 254 -					<u> </u>	1.00			1.00				1	20	12	BB-102 RECEP (1)
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and the second s				***************************************		1.50	1.50			A THE STREET,	A-COMMONDA CAMER		1	20	14	BB-102 COOLER
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All the second s				<u> </u>	<u> </u>	1.50		1.50				 	1	20	16	BB-102 COOLER
SPARE	17	1	20												2000000	
						1.64			1.64				1	20	18	BB-102 DISPOSER
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ELECTRIC GATE										C-1110Ada						
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SPACE	41	1														
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TOTAL CONNE					2.34	25.56	9.89	,	10.02		1.25				-	



SITE
IMPROVEMENTS
TO LAWRENCE
CENTRAL HIGH
SCHOOL
AND
RELATED
WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA

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Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

08-611
DATE

01/27/09

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MFJ

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FJB

CHECKED BY
MFJ

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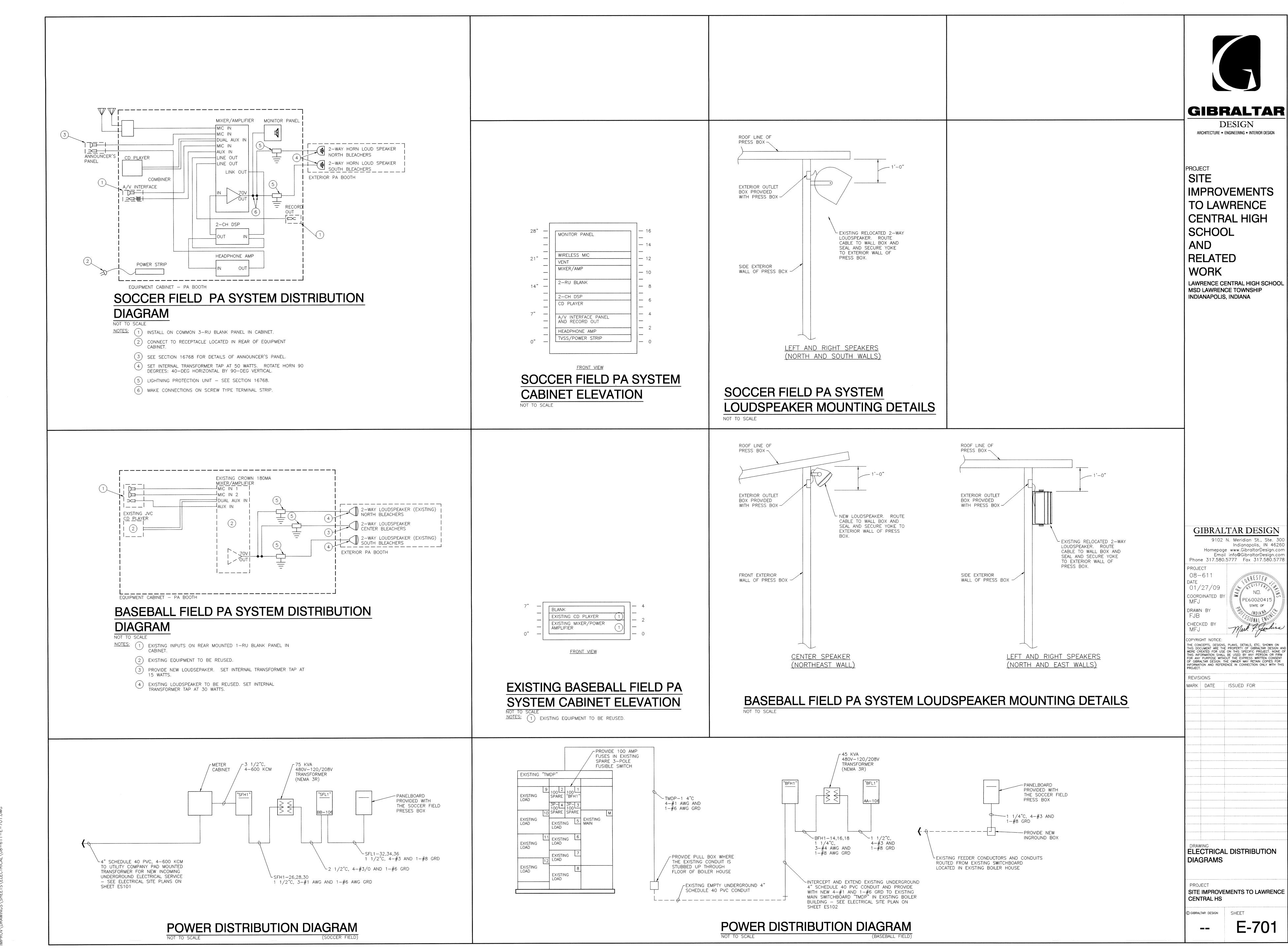
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DRAWING ELECTRICAL SCHEDULES

PROJECT
SITE IMPROVEMENTS TO LAWRENCE
CENTRAL HS

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