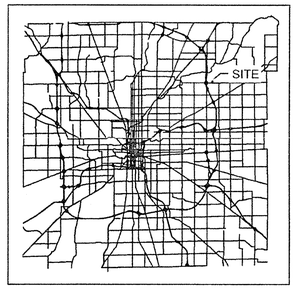
METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

RECORD DRAWINGS

~~CONSTRUCTION~~ PLANS FOR LAWRENCE CENTRAL HIGH SCHOOL ATHLETIC FIELD IMPROVEMENTS

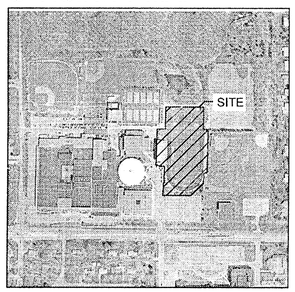
INDIANAPOLIS, INDIANA

LAWRENCE TOWNSHIP, MARION COUNTY
SECTION 1, TOWNSHIP 16 N, RANGE 4 E

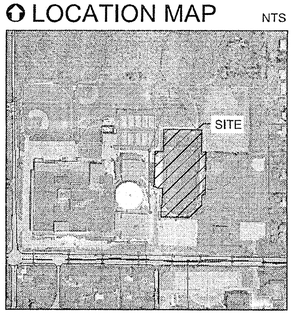


MARION COUNTY NTS

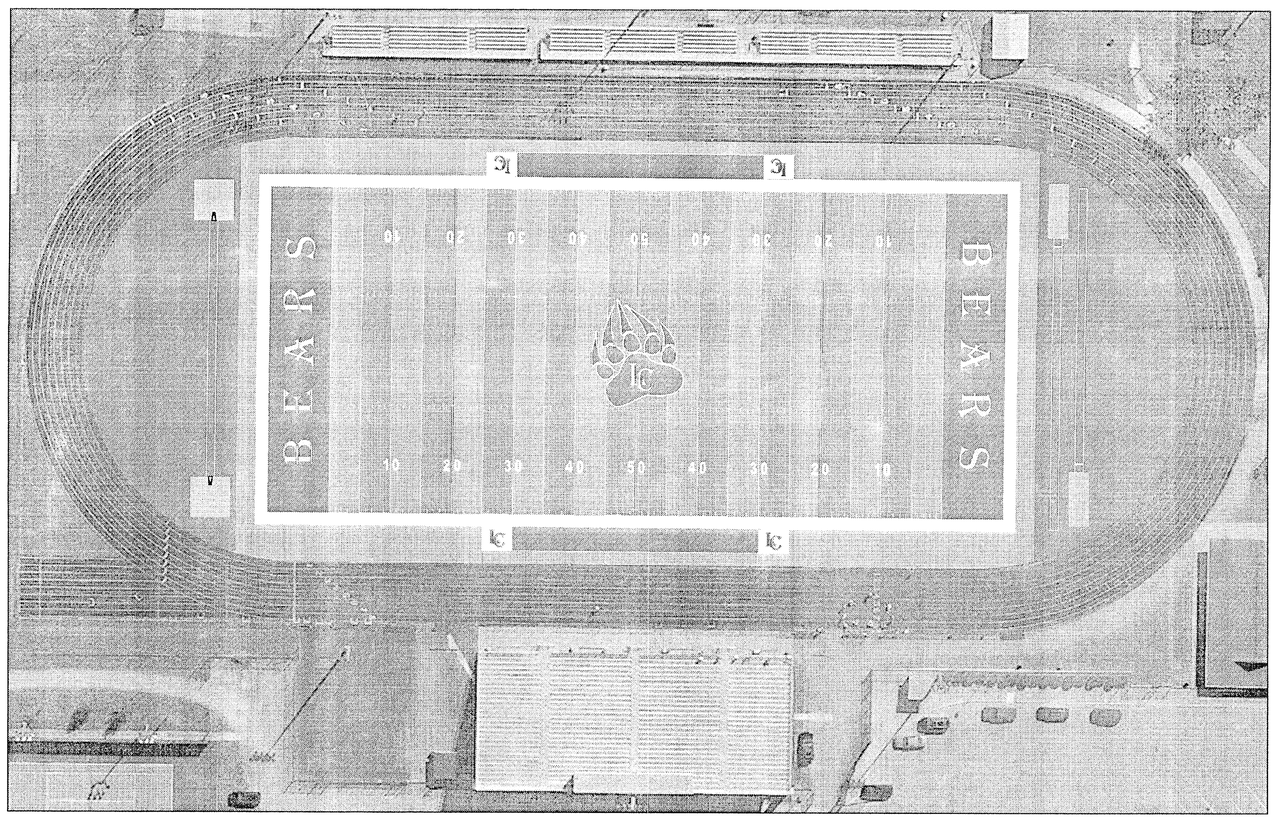
VICINITY MAP NTS



LOCATION MAP NTS



UNSEWERED AREA NTS



PROPOSED SITE NTS

The as-built field work was performed by SEA GROUP LLC, Land Surveyors under my direct supervision and direction.

Items with a line struck through them are the proposed items per the Original Construction Plans, Signed by Kashif J. Khan PE, which are certified April 25, 2008.

Brian Rismiller

Brian C. Rismiller
Registered Land Surveyor
Indiana No. LS20200083
SEA Group, Land Surveyors
494 Gradle Dr. Carmel, In 46032
(317) 844-3333

BRIAN CRAIG RISMILLER REGISTERED No. LS20200083 STATE OF INDIANA LAND SURVEYOR

KASHIF J. KHAN REGISTERED No. 10702060 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET INDEX:

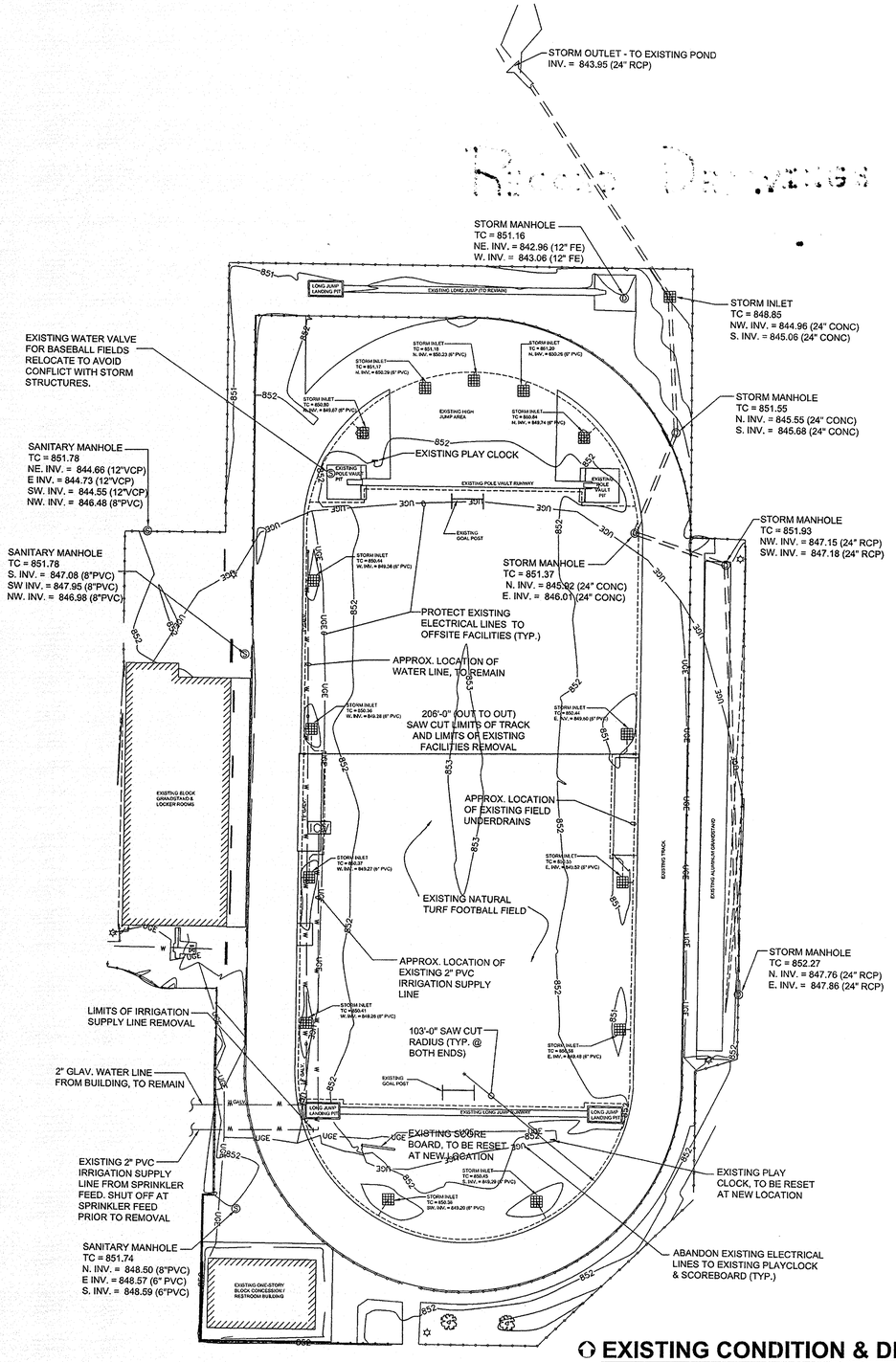
1 ADDED DETAIL SHEET 5/9/08

HOLEY MOLEY SAYS "DON'T DIG BLIND"
"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IC-8-1-26. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

Construction Plans For
Athletic Field Improvements
Lawrence Central High School
Metropolitan School District of Lawrence Township

INFRASTRUCTURE ENGINEERING, INC.
2801 FORTUNE CIRCLE EAST, SUITE 201C
INDIANAPOLIS, IN 46241
PHONE: 317.243.9800
info@infrastructure-eng.com

Sheet Name	TITLE SHEET
Project	08-2052
Date	APRIL 25, 2008
Scale	N/A
Sheet Number	S-000



EXISTING CONDITION & DEMOLITION PLAN

SYMBOL LEGEND

- ELECTRIC TRANSFORMER
- ELECTRIC PEDESTAL
- GAS METER
- TELEPHONE MANHOLE
- MANHOLE
- TREE
- PIPE BALLARD
- HANDICAP PARKING
- DE DROP ELECTRIC OFF OF POLE
- ELECTRIC MANHOLE
- REBAR FOUND
- STORM INLET
- GAS VALVE
- WATER VALVE
- WATER METER
- SIGN
- LIGHT
- UTILITY POLE
- DRAINAGE INLET
- TELEPHONE PEDESTAL
- EXISTING DRAINAGE PIPE
- ICV IRRIGATION CONTROL BOX
- POS UTILITY POINT OF SERVICE
- AC AIR CONDITIONING UNIT
- SP STRAIN POLE
- MONUMENT FOUND
- MH MANHOLE
- (N/I) NOT IDENTIFIED
- TS TRAFIC SIGNAL POLE
- FIRE HYDRANT
- GOAL POST

GENERAL NOTES

1) ALL FACILITIES INSIDE THE TRACK SHALL BE REMOVED UNLESS NOTED OTHERWISE OR AS DIRECTED BY THE ENGINEER

2) EXISTING IRRIGATION SYSTEM SHALL BE REMOVED INCLUDING THE VALVE BOX SYSTEM. IRRIGATION SYSTEM NOT FULLY SHOWN FOR PLAN CLARITY. LIMITS OF REMOVAL SHALL BE TO THE PROPOSED LOCATION OF THE NEW 2" PVC PIPE FOR QUICK COUPLING VALVE.

3) PRIOR TO SAWCUTTING OF EXISTING TRACK, CONTRACTOR SHALL VERIFY THAT THE RESULTING CLEAR WIDTH WILL PROVIDE THE PROPOSED SYNTHETIC TURF DIMENSIONS AS INDICATED ON THE SITE PLAN. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF SAW CUTTING

4) ANY UNDERGROUND UTILITIES DEPICTED ON THE ATTACHED DRAWINGS HAVE BEEN LOCATED PER FIELD OBSERVATIONS AND/OR MARKINGS BY A PRIVATE LOCATOR (BLOODHOUND UNDERGROUND). NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE TO THE ACCURACY AND/OR COMPLETENESS OF INFORMATION PRESENTED ON UNDERGROUND UTILITIES, OR AS TO ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE. IN NO EVENT WILL INFRASTRUCTURE ENGINEERING INC., ITS SUBCONSULTANTS,ITS EMPLOYEES, AGENTS, AND/OR ASSIGNS BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE FURNISHING AND/OR USE OF SUCH INFORMATION. THE PATH OF THE UTILITY LINES SHOWN HEREON SHOULD BE CONSIDERED APPROXIMATE UNTIL THEY ARE EITHER RELOCATED, BY CALLING THE INDIANA PLANT PROTECTION AGENCY AT 1-800-382-5544, BLOODHOUND UNDERGROUND AT 1-888-858-9830 OR UNTIL THEY ARE EXCAVATED TO VERIFY THE EXACT LOCATION AND PATH OF THE UTILITY LINES.

5) REMOVE FOUNDATIONS FOR THE REMOVED FACILITIES A MINIMUM OF TWO FEET (2') BELOW FINISHED GRADE, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

PERMANENT BENCHMARK

1)IDNR TBM HIMUSA 4 1989 MARION COUNTY, FISHERS QUAD, SE/SEC. 24, T17N, R4E: LOCATED NEAR THE INTERSECTION OF EAST 82nd STREET AND NORTH CASTLE LAKE ROAD, 0.5 MILES EAST OF INTERSECTION OF EAST 82nd STREET AND NORTH HAUGE ROAD. SET IN THE NORTH SIDE OF UTILITY POLE #55-250-A, 24.0 FEET SOUTH OF EAST 82nd STREET CENTERLINE, 94.0 FEET WEST OF NORTH CASTLE LAKE ROAD CENTERLINE, 1.3 FEET ABOVE GROUND LEVEL; A RAILROAD SPIKE DRIVEN THROUGH AN ALUMINUM TAG, STAMPED "HIMUSA 4 1989" ELEV.= 839.430 (NGVD 1929)

FLOOD ZONE DESIGNATION:

1) THIS LOT LIES PARTIALLY/ENTIRELY IN FLOOD HAZARD ZONE X AS SCALED FROM THE FLOOD INSURANCE RATE MAP FOR MARION COUNTY, INDIANA, COMMUNITY NAME, CITY OF INDIANAPOLIS, COMMUNITY NUMBER, 180159, PANEL NUMBER, 0068E,

HOLEY MOLEY SAYS "DON'T DIG BLIND"

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KASHIF J. KHAN
REGISTERED
No. 10302066
STATE OF INDIANA
PROFESSIONAL ENGINEER

No.	Revision/Issue	Date

INFRASTRUCTURE ENGINEERING, INC.
2601 FORTUNE CIRCLE EAST,
SUITE 201C
INDIANAPOLIS, IN 46241
PHONE: 317.243.9800
info@infrastructure-eng.com

METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

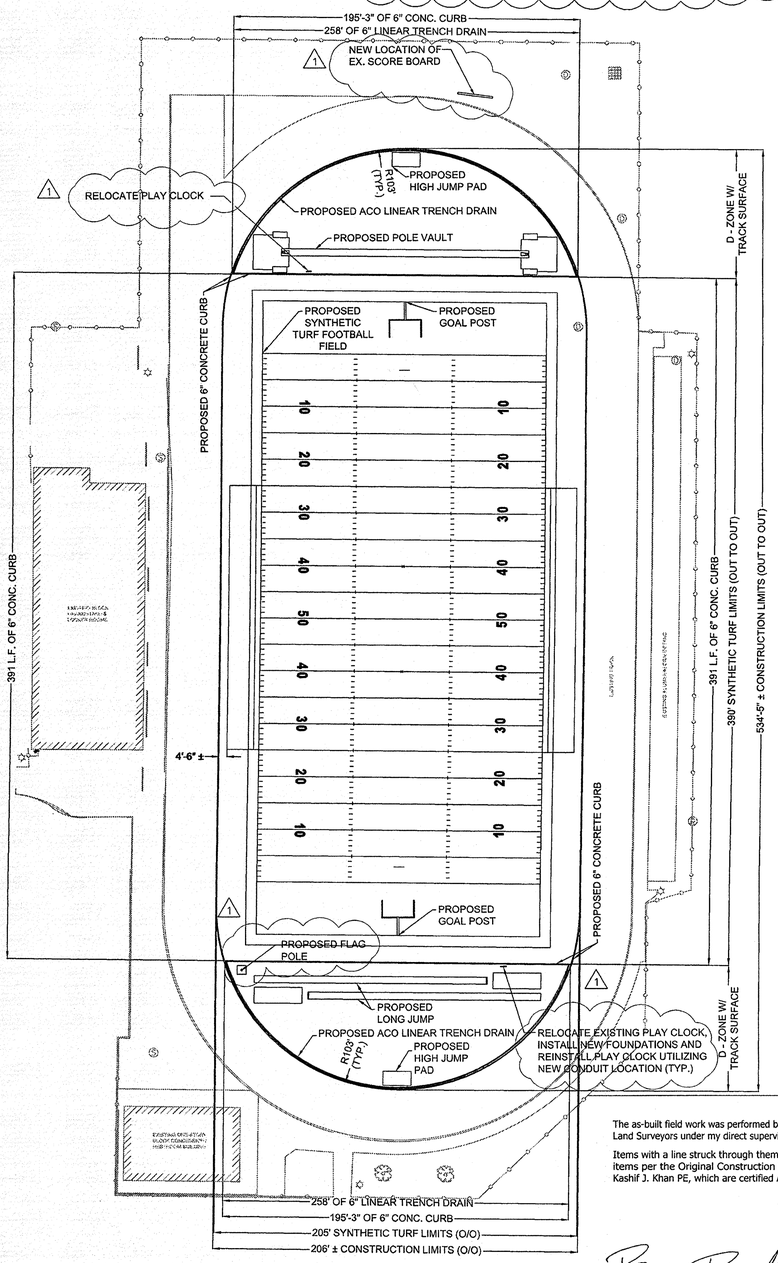
7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: EX. COND. & DEMO. PLAN
Project: 08-2052
Date: APRIL 25, 2008
Scale: 1 INCH = 40 FEET
Sheet Number: S-101

GENERAL NOTES

1) APPROXIMATE LOCATION OF TRACK ELEMENTS ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED LOCATIONS WITH THE ENGINEER PRIOR TO CONSTRUCTION.

2) ALL ELEMENTS INSTALLED IN OR BORDERED BY SYNTHETIC TURF SHALL HAVE A 6" CONCRETE CURB WITH A FLAT FACE TO ATTACH NAILER BOARDS.



SITE PLAN

The as-built field work was performed by SEA GROUP LLC, Land Surveyors under my direct supervision and direction.

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Brian Rismiller

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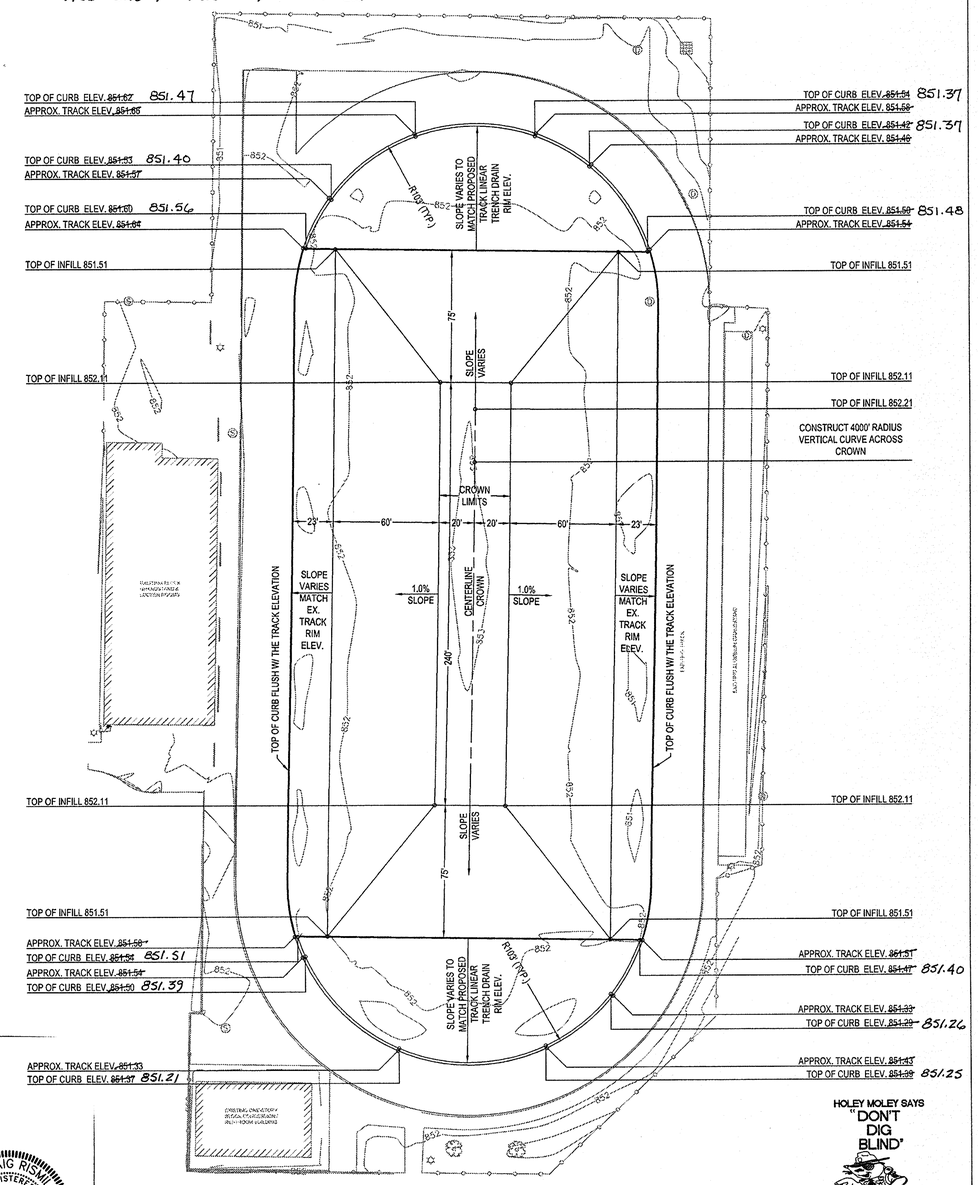
(317) 844-3333

BRIAN CRAIG RISMILLER REGISTERED No. LS20200083 STATE OF INDIANA LAND SURVEYOR

As-Built Note:
Top of Curb Measured @ Face of Curb. Track & Curb Are Generally The Same.
Rubberized Track Coating Was Applied After As-Built Measurements.
Add 0.10'+- For Top of Track

GENERAL NOTES

1) APPROXIMATE LOCATION OF LOW POINTS IN THE D-ZONE ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL LOW POINT ALONG THE PROPOSED ACO LINEAR TRENCH DRAIN LOCATIONS AND ADJUST THE LOCATIONS OF THE LINEAR TRENCH CATCH BASINS TO MACTH THE LOW POINTS PRIOR TO THE START OF CONSTRUCTION.



GRADING PLAN

HOLEY MOLEY SAYS "DON'T DIG BLIND"

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KASHIF J. KHAN REGISTERED No. 10302060 STATE OF INDIANA PROFESSIONAL ENGINEER

RECORD DRAWING

No.	Revision/Issue	Date
1	CHANGES TO SITE PLAN AND NOTES	5/9/08

INFRASTRUCTURE ENGINEERING, INC.
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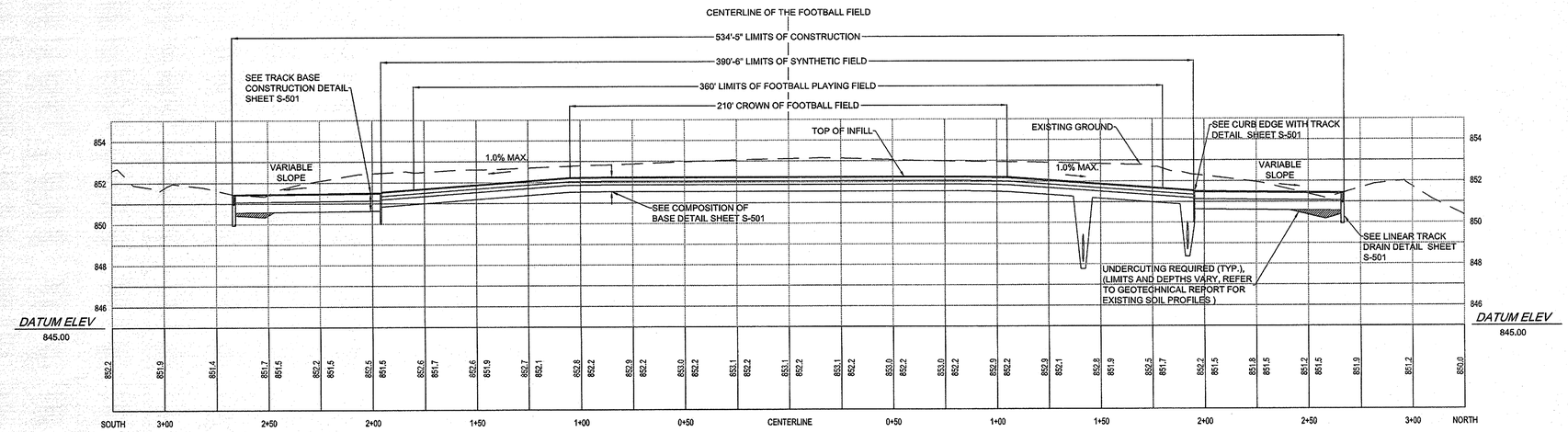
info@infrastructure-eng.com

METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

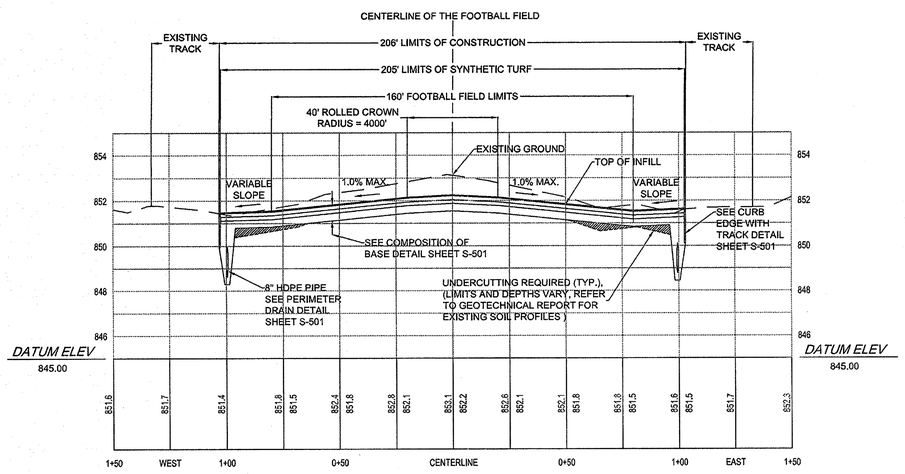
7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: SITE & GRADING PLAN	
Project: 08-2052	Sheet Number: S-201
Date: APRIL 25, 2008	
Scale: 1 INCH = 40 FEET	



FOOTBALL FIELD PROFILE

SCALE:
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 30'



TYPICAL FOOTBALL FIELD CROSS SECTION @ CENTER OF FIELD

SCALE:
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 30'

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KASHIF J. KHAN
REGISTERED
No. 10302066
STATE OF INDIANA
PROFESSIONAL ENGINEER

No.	Revision/Issue	Date

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PHONE: 317.243.9800
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METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: PROFILE AND CROSS SECTIONS
Project: 08-2052
Date: APRIL 25, 2008
Scale: 1 INCH = 30 FEET
Sheet Number: S-202

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LAND SURVEYOR

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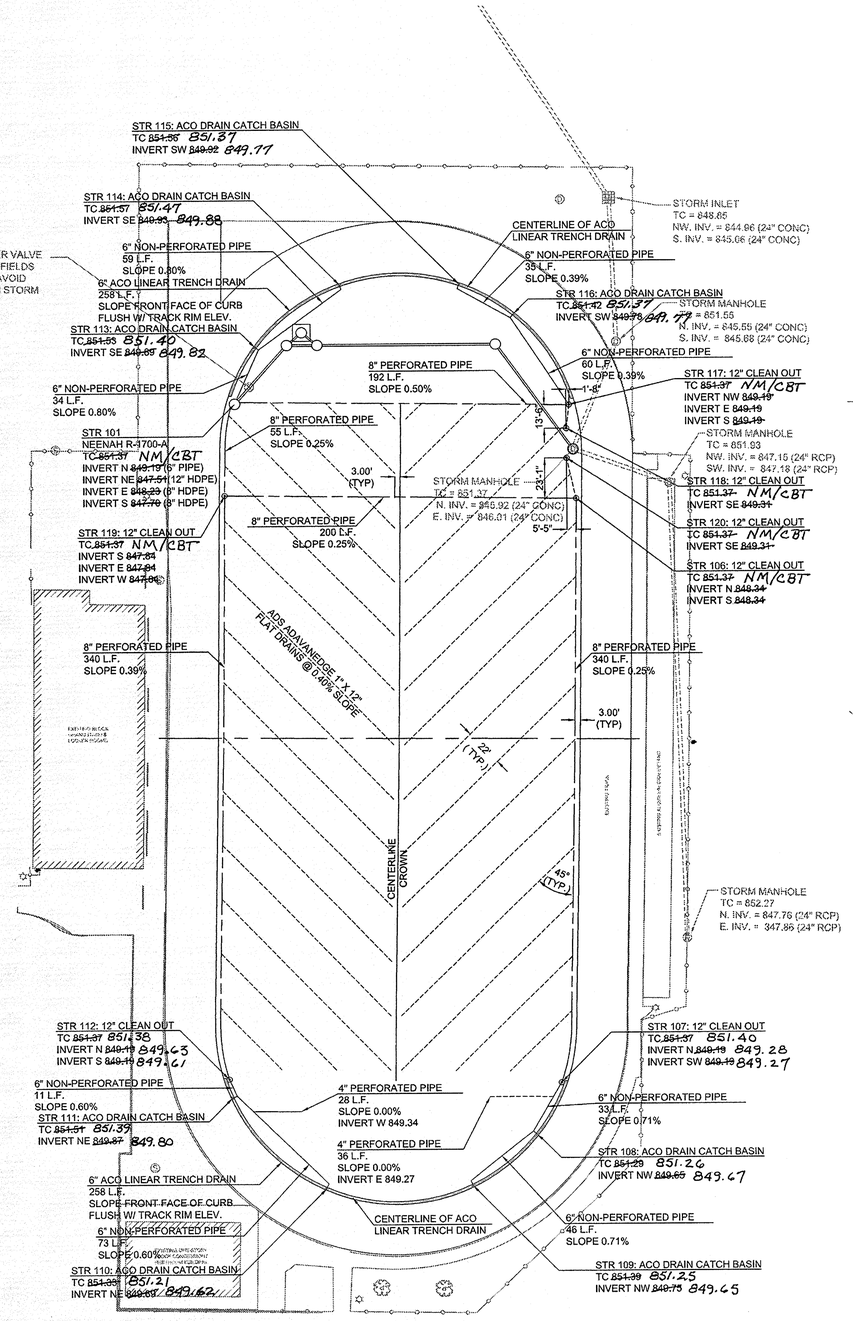
2) CONNECT ALL OFFSITE DRAINS IN THE FIELD TO THE NEAREST PROPOSED STORM STRUCTURE.

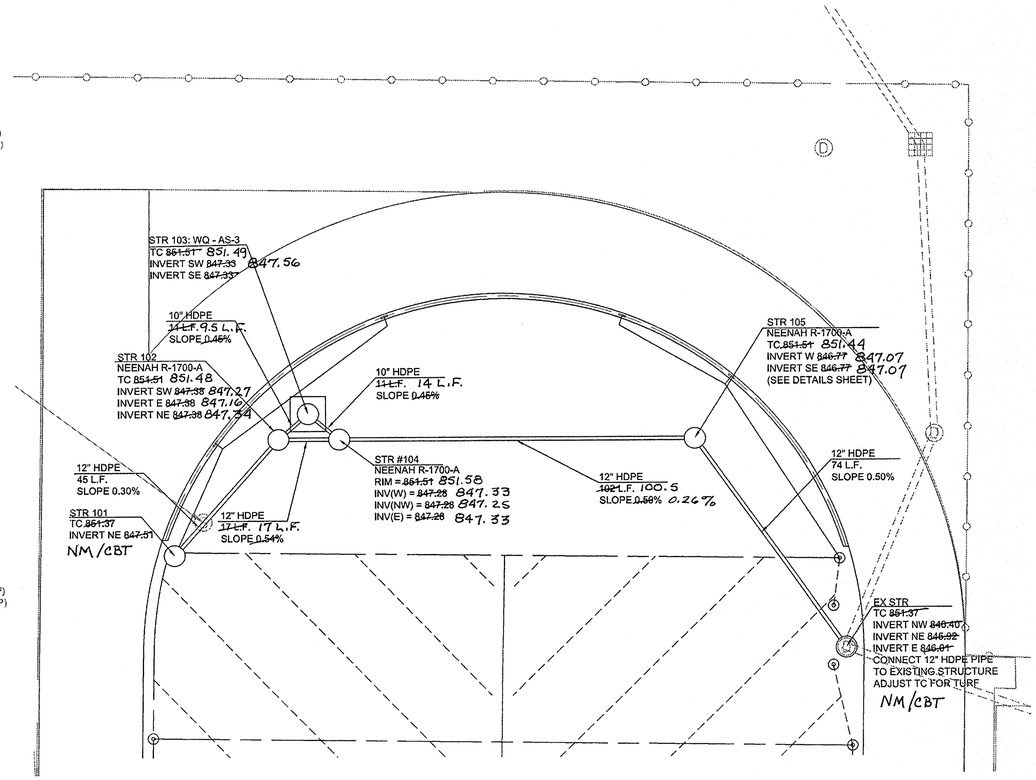


LEGEND

NM/CBT = NOT MEASURED COVERED BY TURF

STORM DRAINAGE PLAN

SCALE 1 INCH = 40 FEET



STORMWATER TREATMENT PLAN

SCALE 1 INCH = 20 FEET

As built Notes:
(WQ STR AS-3) WATER LEVEL @ INLET HEIGHT
UNABLE TO MEASURE OUTLET INVERT.

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KASHIF J. KHAN
REGISTERED
No.
10302060
STATE OF
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PROFESSIONAL ENGINEER

RECORD DRAWING

No.	Revision/Issue	Date

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METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: STORM DRAINAGE PLAN	
Project: 08-2052	Sheet Number: S-301
Date: APRIL 25, 2008	
Scale: AS NOTED	

1

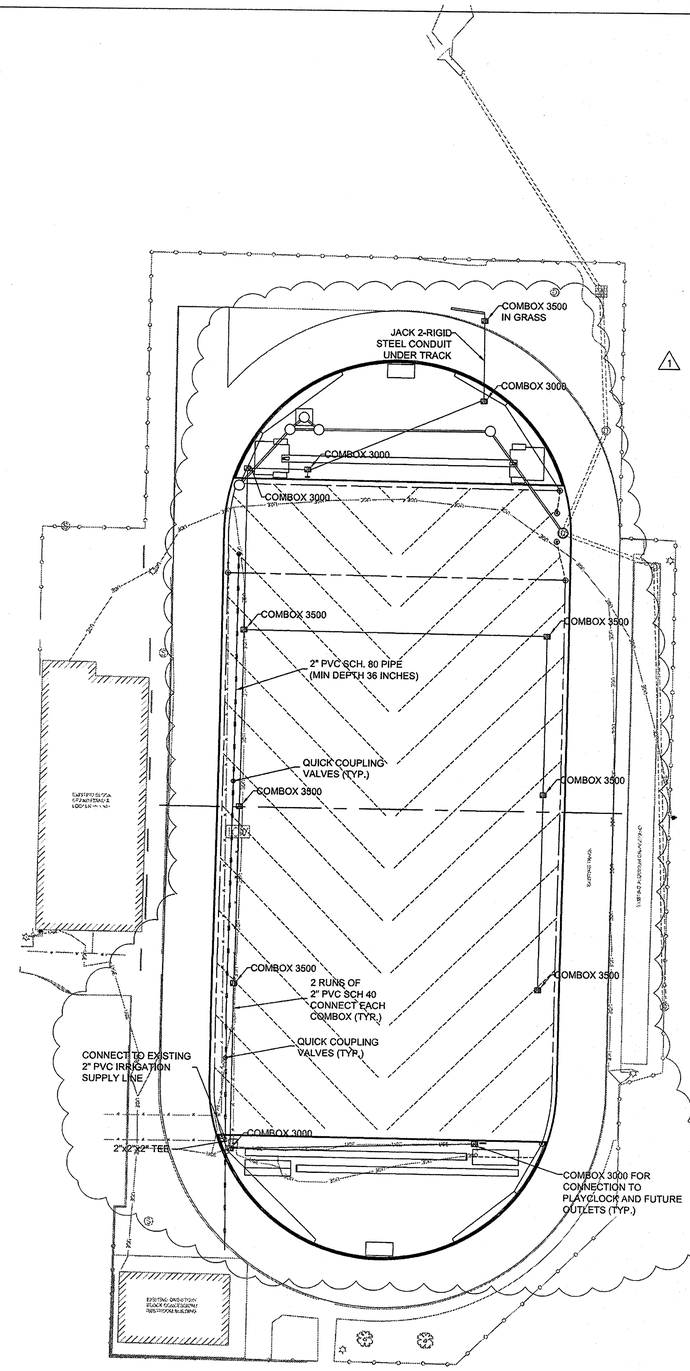
GENERAL NOTES

1) APPROXIMATE LOCATION OF UTILITIES ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED LOCATIONS WITH THE ENGINEER PRIOR TO CONSTRUCTION.

2) THE CONTRACTOR SHALL INSTALL ALL PROPOSED AND EXISTING ELECTRICAL EQUIPMENT IN WORKING ORDER PER MANUFACTURERS RECOMMENDATIONS.

3) THE CONTRACTOR SHALL INSTALL AND CONNECT ALL CABLING FOR EXISTING AND PROPOSED ELECTRICAL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS.

4) IN CASE OF A CONFLICT BETWEEN PROPOSED UTILITIES THE LOCATION OF WATER VALVES AND JUNCTION BOXES TAKE PRECEDENCE OVER THE LOCATION OF THE ADS ADVANEDGE DRAINS.



1

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UTILITY PLAN

KASHIF J. KHAN
REGISTERED
No.
10302066
STATE OF
INDIANA
PROFESSIONAL ENGINEER

No.	Revision/Issue	Date
1	CHANGES TO UTILITY LAYOUT AND NOTES	5/9/08

INFRASTRUCTURE ENGINEERING, INC.
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METROPOLITAN SCHOOL DISTRICT OF
LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: UTILITY PLAN

Project: 08-2052

Date: APRIL 25, 2008

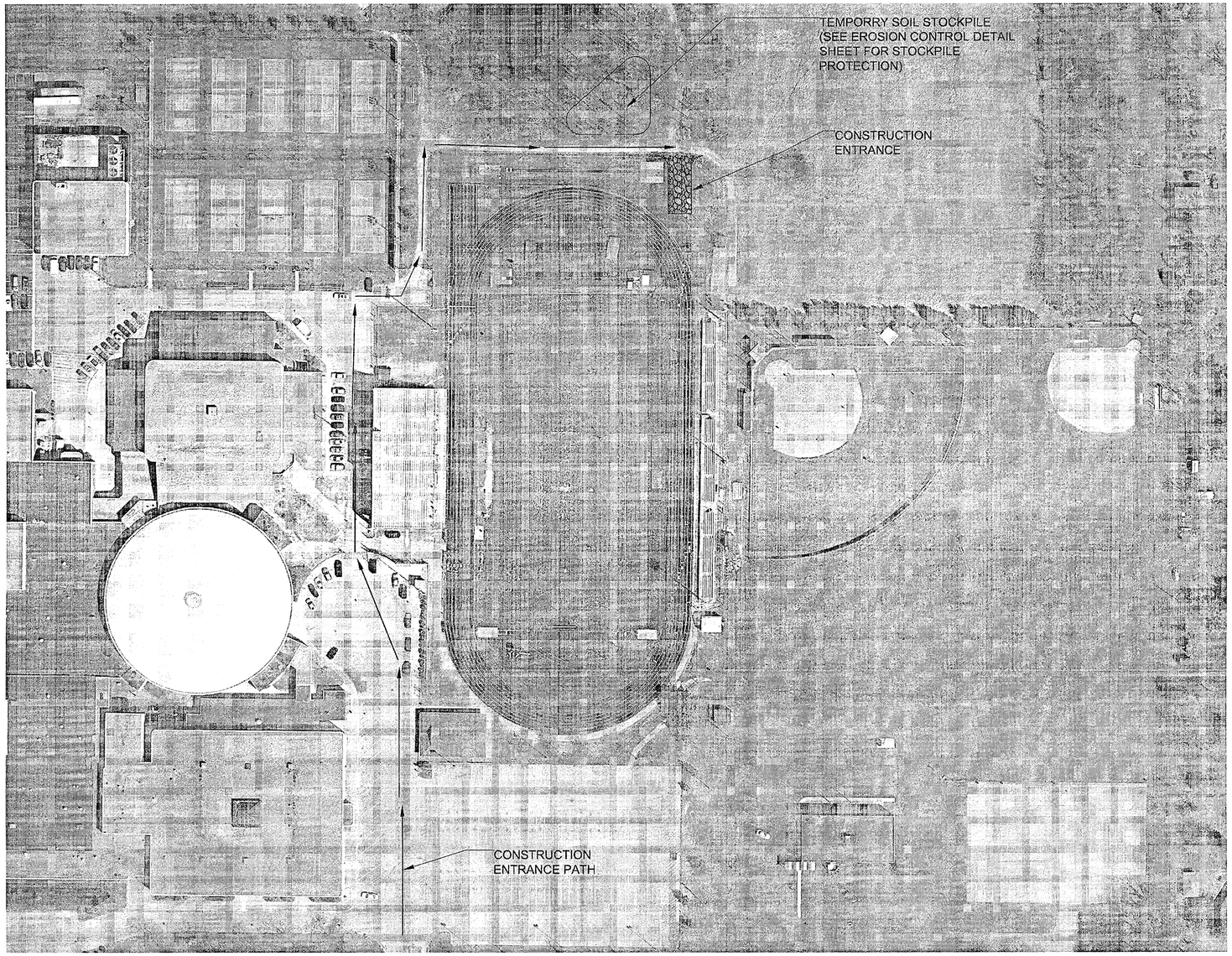
Scale: 1 INCH = 40'

Sheet Number: S-302

GENERAL NOTES

1) TEMPORARY SEEDING REQUIRED FOR ALL DISTURBED AREAS

2) REFER TO EROSION CONTROL DETAIL SHEET FOR ADDITIONAL INFORMATION



EROSION CONTROL & CONSTRUCTION ACCESS PLAN

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KASHIF J. KHAN
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No.	Revision/Issue	Date

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METROPOLITAN SCHOOL DISTRICT OF
LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: EROSION CONTROL & CONSTRUCTION ACCESS PLAN

Project: 08-2052

Date: APRIL 25, 2008

Scale: NTS

Sheet Number: S-401

EROSION CONTROL NOTES

DURING ALL PHASES OF CONSTRUCTION THE SITE EXCAVATION CONTRACTOR AND ALL SUB-CONTRACTORS SHALL EXERCISE MEASURES TO PREVENT THE EROSION OF SOILS DUE TO THE ACTION OFWATER AND WIND. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO EARTH MOVING ACTIVITIES.

LAND ALTERATIONS THAT STRIP THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.

THE DURATION OF TIME THAT AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS QUICKLY AS PRACTICAL.

TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS DURING DEVELOPMENT PERMANENT AND FINAL VEGETATION OR STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS PRACTICAL.

SEDIMENT IN RUN-OFF WATER SHALL BE TRAPPED BY THE USE OF SUCH METHODS AS SILT FENCES UNTIL THE DISTURBED AREA IS STABILIZED.

THE SITE CONTRACTOR SHALL PERIODICALLY INSPECT TRAPPING DEVICES DURING DRY PERIODS AND AFTER EACH RAINFALL EVENT. TRAPPING DEVICES SHALL BE REPLACED IF DETERMINED TO BE INCAPABLE OF PERFORMING INTENDED FUNCTION.

CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION, UNTIL A VEGETATIVE COVER HAS ESTABLISHED SUFFICIENTLY TO STABILIZE THE SOILS AND PREVENT EROSION.

THE CONTRACTOR SHALL HAVE AVAILABLE ON THE CONSTRUCTION SITE A WATER SOURCE CAPABLE OF APPLYING WATER TO DRY EXPOSED SOIL IN ORDER TO PREVENT WIND EROSION. THE APPLICATION RATE AND MANNER SHALL BE SUCH THAT SOIL MOISTURE IS ATTAINED AND NO SURFACE RUN-OFF IS CREATED.

ALL DISTURBED AREAS TO BE SEEDED.

ALL EROSION CONTROL MEASURES SHALL COMPLY WITH RULE 5.

ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS, SPECIFICATIONS AND PROCEDURES OF THE CITY, COUNTY, OR OTHER GOVERNING AGENCIES, WHICHEVER HAS JURISDICTION.

SOIL EROSION CONTROL DEVICES AND PRACTICES WILL BE ESTABLISHED IMMEDIATELY BEFORE ANY CLEARING, GRADING, EXCAVATING, FILLING OR OTHERWISE DISTURBING OF NATURAL TERRAIN. THE CONTRACTOR SHALL PRESERVE THE NATURAL VEGETATION AS MUCH AS POSSIBLE.

ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PHASE. ONLY THOSE CONTROLS AND DEVICES THAT ARE TEMPORARY IN NATURE SHALL BE MOVED OR MODIFIED TO ALLOW PROGRESS OF CONSTRUCTION. DAILY INSPECTIONS MUST BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL DEVICES. NECESSARY REPAIRS SHALL BE MADE WITHOUT DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR AND RECONSTRUCTION OF ALL DEVICES, CONTROLS AND ERODED AREAS. IF THE CONTRACT IS GIVEN TO THE EXCAVATING CONTRACTOR OR A SUBCONTRACTOR AND THEY FAIL TO CARE, AND REPAIR ALL DAMAGES TO EROSION CONTROL DEVICES THEN THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THIS WORK AND ANY DAMAGE THAT MAY HAVE OCCURRED.

FINAL OR TEMPORARY SEEDING AND OR SODDING MUST BE DONE IMMEDIATELY AS DIRECTED BY THE LANDSCAPE PLAN, EROSION CONTROL PLAN AND OR GRADING/DRAINAGE PLAN.

STRAW BALES, SILT FENCING AND OR GRAVEL PROTECTION SHALL BE USED AS INDICATED ON PLANS. IF LOCAL ORDINANCES DICTATE ALTERNATE EROSION CONTROL DEVICES AND DETAILS IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE THE REQUIRED DEVICES.

ALL MUD, DIRT OR GRAVEL SPILLED, TRACKED OR DUMPED ON PUBLIC OR PRIVATE ROADS, STREETS OR DRIVEWAYS MUST BE REMOVED QUICKLY AND PROMPTLY BY THE CONTRACTOR.

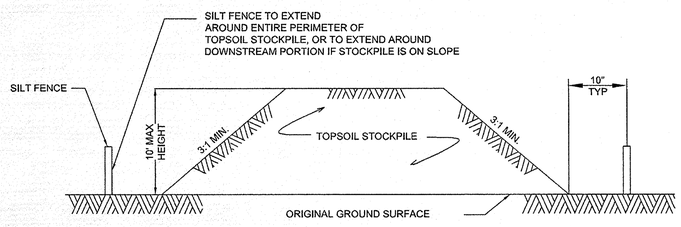
IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH UNWEATHERED STRAW SPREAD UNIFORMLY AT THE RATE OF TWO TONS PER ACRE OR 100 POUNDS PER 1,000 SQUARE FEET. THIS MULCH SHOULD BE ANCHORED WITH A DISC-TYPE ANCHORING TOOL AND OR APPROVED TACKIFIER. IF ALLOWED, A WOOD CELLULOSE FIBER MULCH (HYDROMULCH) AND APPROVED TACKIFIER MAY BE USED IN LIEU OF STRAW MULCH. ALL METHODS MUST MEET ALL THE LOCAL OR CITY REQUIREMENTS.

PIPE LENGTHS INDICATED ARE FOR HYDRAULIC PURPOSES ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL LENGTHS REQUIRED TO COMPLETE THE INSTALLATION AS SHOWN.

ALL EXCAVATED AREAS TO BE SEEDED OR SODDED AFTER FINAL GRADING UNLESS OTHERWISE NOTED. SEE LANDSCAPE PLAN AND OR EROSION CONTROL PLAN FOR DIRECTION AND VERIFICATION.

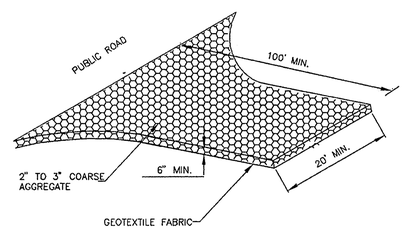
EROSION CONTROL CONSTRUCTION SEQUENCE

1. INSTALL SILT FENCE
2. INSTALL CONSTRUCTION DRIVES.
3. INSTALL INLET PROTECTION FOR EXISTING INLETS AND PIPES.
4. COMMENCE GRADING TO ESTABLISH DETENTION AREAS.
5. INSTALL INLET PROTECTION FOR NEW INLETS.
6. PLACE EROSION CONTROL BLANKETS AS REQUIRED.
7. PLACE SOD AT THE BOTTOM OF SWALES & SIDE DITCHES.
8. BEGIN HYDRO-SEEDING / SEEDING
9. UPON REMOVING THE TEMPORARY EROSION CONTROL MEASURES, SEED DISTURBED AREAS AS REQUIRED.



TYPICAL SOIL STOCKPILE DETAIL

SCALE: NTS



REQUIREMENTS:
1. MATERIAL SHALL BE 2" TO 3" WASHED STONE (INDOT CA NO. 2) OVER A STABLE FOUNDATION.
2. THICKNESS SHALL BE A MINIMUM OF 6 INCHES.
3. THE WIDTH SHALL BE EITHER A 20 FEET MINIMUM OR FULL WIDTH OF THE ENTRANCE/EXIT ROADWAY, WHICHEVER IS GREATER
4. THE LENGTH SHALL BE 100 FEET.
5. MINIMUM GEOTEXTILE FABRIC UNDERLINER MAY BE USED UNDER WET CONDITIONS OR WITH SOILS WITH A HIGH SEASONAL WATER TABLE.

INSTALLATION:
1. AVOID LOCATING ON A STEEP SLOPE OR AT CURVES IN PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE ROAD EXCEEDS 2", CONSTRUCT A 6" TO 8" HIGH WATER BAR (RIDGE) WITH 3:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15" FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD.
4. IF NEEDED, INSTALL PIPE UNDER PAD TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
5. IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.
6. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FOR THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

MAINTENANCE:
1. INSPECT AREA WEEKLY AFTER STORM EVENTS OR HEAVY USE.
2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. DRESS TOP WITH CLEAN STONE AS NEEDED.
4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD BY BRUSHING OR SWEEPIN
5. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

CONSTRUCTION ENTRANCE DETAIL

SCALE: NTS

HOLEY MOLEY SAYS "DON'T DIG BLIND"

"IT'S THE LAW"
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KASHIF J. KHAN
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No.	Revision/Issue	Date

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METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: EROSION CONTROL DETAILS

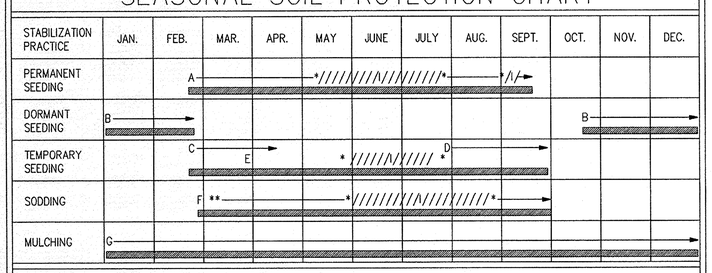
Project: 08-2052

Date: APRIL 25, 2008

Scale: AS NOTED

Sheet Number: S-402

SEASONAL SOIL PROTECTION CHART



A = KENTUCKY BLUEGRASS 100 LBS/ACRE; CREEPING RED FESCUE 100 LBS/ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS/ACRE FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400–600 LBS./ACRE OF 12–12–12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

B = KENTUCKY BLUEGRASS 120 LBS/ACRE; CREEPING RED FESCUE 120 LBS/ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS/ACRE FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400–600 LBS./ACRE OF 12–12–12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

C = SPRING OATS 3 BUSHELS/ACRE
FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400–600 LBS./ACRE OF 12–12–12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

D = WHEAT OR RYE 2 BUSHELS/ACRE
FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400–600 LBS./ACRE OF 12–12–12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

E = ANNUAL RYEGRASS 40 LBS/ACRE (1 LB/1000 SQ. FT.)
FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400–600 LBS./ACRE OF 12–12–12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

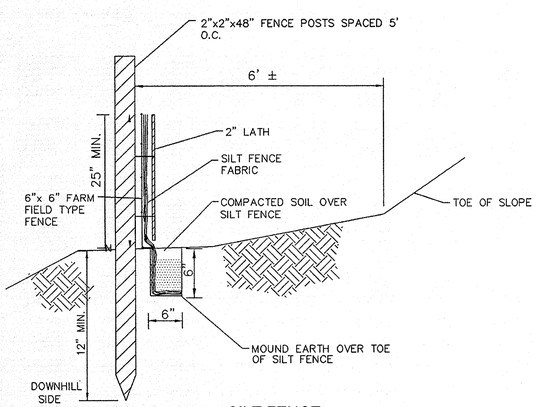
F = SOD

G = STRAW MULCH 2 TONS/ACRE

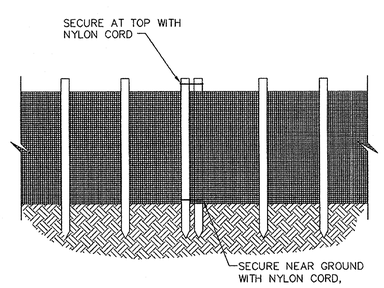
* /I/ * = IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER

** = IRRIGATION NEEDED FOR 2 WEEKS AFTER SUPPLYING SOD

SOIL PROTECTION CHART
SCALE: NTS



SILT FENCE
SCALE: NTS



SILT FENCE CONNECTION DETAIL
SCALE: NTS

SEEDING PREPARATION:

APPLY LIME TO RAISE THE pH TO THE LEVEL NEEDED FOR SPECIES BEING SEEDED. APPLY 25 POUNDS OF 12–12–12 ANALYSIS FERTILIZER (OR EQUIVALENT) PER 1000 SQ. FT. (APPROXIMATELY 1000 POUNDS PER ACRE) OR FERTILIZE ACCORDING TO TEST. APPLICATION OF 150 POUNDS OF AMMONIUM NITRATE ON AREAS LOW IN ORGANIC MATTER AND FERTILITY WILL GREATLY ENHANCE VEGETATION GROWTH.

WORK THE FERTILIZER AND LIME INTO THE SOIL TO DEPTH OF 2–3 INCHES WITH A HARROW, DISK OR RAKE OPERATED ACROSS THE SLOPE AS MUCH AS POSSIBLE.

SEEDING:

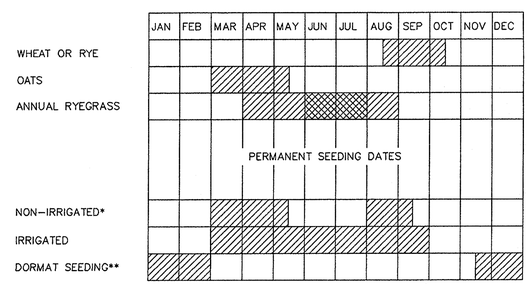
SELECT A SEED MIXTURE BASED ON PROJECTED USE OF THE ACRES (SEE SEEDING INSTRUCTIONS), WHILE CONSIDERING BEST SEEDING DATES. SEE TEMPORARY SEEDING DATES, THIS SHEET.

PERMANENT SEED MIXTURE

SPECIES	SEEDING RATE LBS/ACRES	SEEDING RATE LBS/1000 SQ. FT.	SUITABLE pH	SITE SUITABLIITY * DROUGHTY	WELL DRAINED	WET
LEVEL AND SLOPING, OPEN AREAS						
1. TALL FESCUE	35	.8	5.5–8.3	2	1	2
2. TALL FESCUE RED CLOVER **	25	.6	5.5–8.3		1	
3. KENTUCKY BLUEGRASS CREEPING RED FUSCUE	15 15	.4 .4	5.5–7.5	2	1	
STEEP BANKS AND CUTS						
4. TALL FESCUE KENTUCKY BLUEGRASS	15 25	.4 .6	5.8–7.5	2	1	2
5. TALL FESCUE EMERALD CROWNVETCH **	35 10	.8 25	5.5–8.3	2	1	
LAWNS AND HIGH MAINTENANCE AREAS						
6. KENTUCKY BLUEGRASS CREEPING RED FUSCUE	40 40	.9 .9	5.8–7.5	2	1	
7. PERENNIAL RYEGRASS RED CLOVER **	170	4.0	5.0–7.5		1	
8. TALL FESCUE	170	4.0	5.5–8.3	2	1	2

* 1 – PREFERRED 2 – WILL TOLERATE ** INOCULATE WITH SPECIFIC INOCULANTS.

SEEDING INSTRUCTIONS
SCALE: NTS



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 IF MULCH IS APPLIED.

** INCREASE SEEDING APPLICATION BY 50%.

TEMPORARY SEEDING DATES
SCALE: NTS

TEMPORARY SEEDING:

KIND OF SEED	1000 SQ. FT.	ACRE	REMARKS
WHEAT OR RYE	3.5 LBS.	2 BU.	COVER SEED 1" TO 1–1/2" DEEP
SPRING OATS	2.3 LBS.	3 BU.	COVER SEED TO 1" DEEP
ANNUAL RYEGRASS	1 LB.	40 LBS.	COVER SEED TO 1/4" DEP

* NOT NECESSARY WHERE MULCH IS APPLIED.

SEEDING SCHEDULE
SCALE: NTS

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CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
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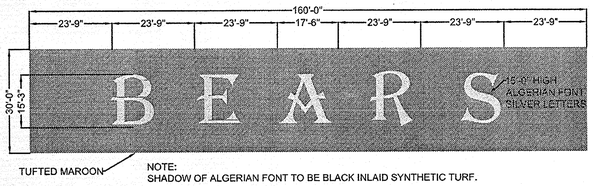
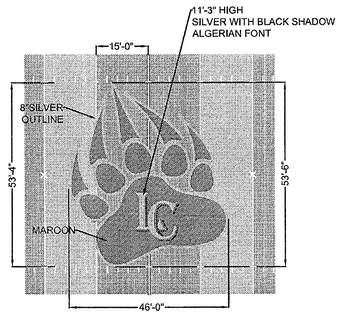
7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: EROSION CONTROL DETAILS
Project: 08-2052
Date: APRIL 25, 2008
Scale: AS NOTED
Sheet Number: S-403



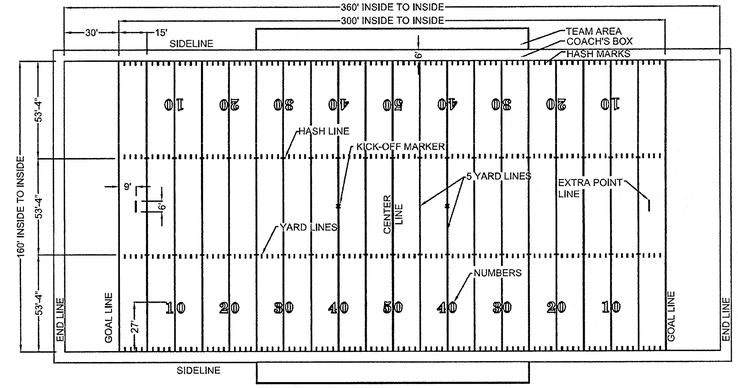
END ZONE LETTERING DETAIL

SCALE: 1" = 20'-0"



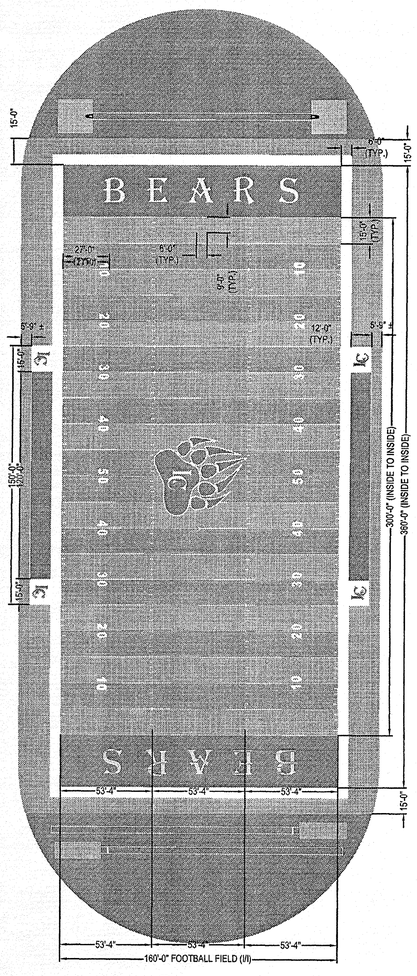
CENTER FIELD LOGO DETAIL

SCALE: 1" = 20'-0"



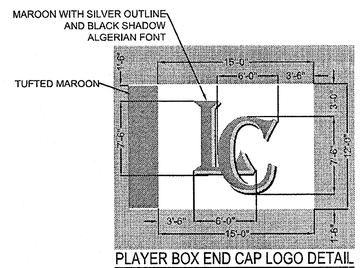
FIELD DETAIL

SCALE: NTS



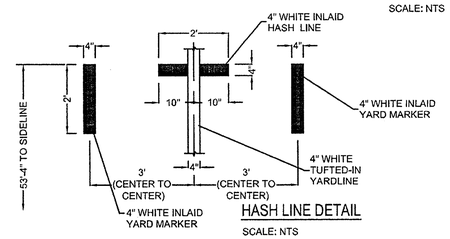
FIELD LAYOUT

SCALE: 1" = 40'-0"



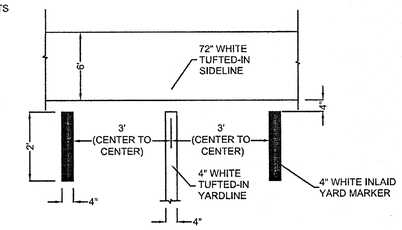
PLAYER BOX END CAP LOGO DETAIL

SCALE: 1" = 10'-0"



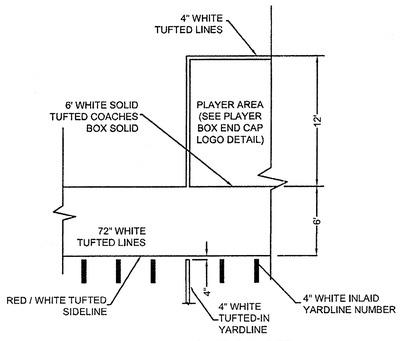
HASH LINE DETAIL

SCALE: NTS



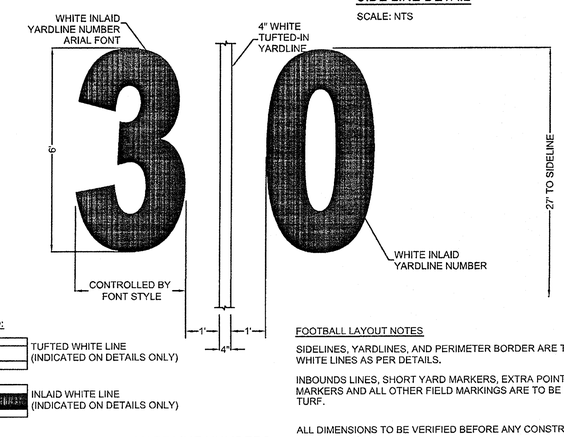
SIDE LINE DETAIL

SCALE: NTS



COACHES BOX DETAIL

SCALE: NTS



YARDLINE NUMBERS

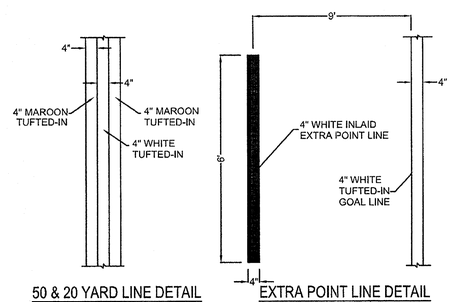
SCALE: NTS

FOOTBALL LAYOUT NOTES

SIDELINES, YARDLINES, AND PERIMETER BORDER ARE TUFTED-IN WHITE LINES AS PER DETAILS.

INBOUNDS LINES, SHORT YARD MARKERS, EXTRA POINT MARKERS AND ALL OTHER FIELD MARKINGS ARE TO BE INLAID TURF.

ALL DIMENSIONS TO BE VERIFIED BEFORE ANY CONSTRUCTION BEGINS

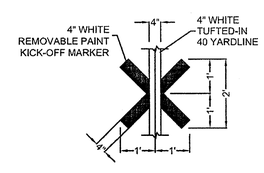


50 & 20 YARD LINE DETAIL

SCALE: NTS

EXTRA POINT LINE DETAIL

SCALE: NTS



KICKOFF MARKER

SCALE: NTS

LEGEND:

- SYNTHETIC TURF WHITE (PANTONE WHITE)
- SYNTHETIC TURF BLACK (PANTONE BLACK 6 C)
- SYNTHETIC TURF MAROON (PANTONE 195 C)
- SYNTHETIC TURF SILVER (PANTONE 877C)
- SYNTHETIC TURF FIELD GREEN (PANTONE FIELD GREEN) OR ENGINEER APPROVED EQUAL
- SYNTHETIC TURF SUMMER GREEN (PANTONE SUMMER GREEN) OR ENGINEER APPROVED EQUAL

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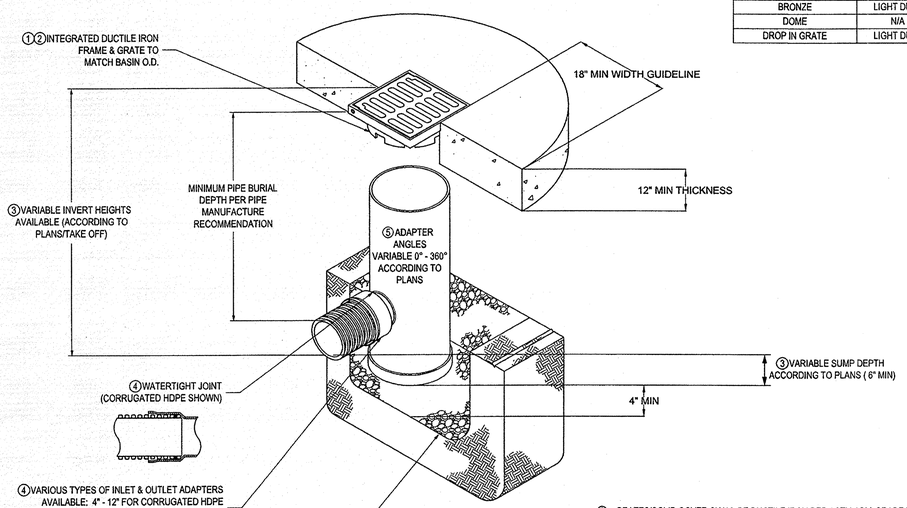
METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: FIELD LAYOUT	
Project: 08-2052	Sheet Number: S-500
Date: APRIL 25, 2008	
Scale: AS NOTED	

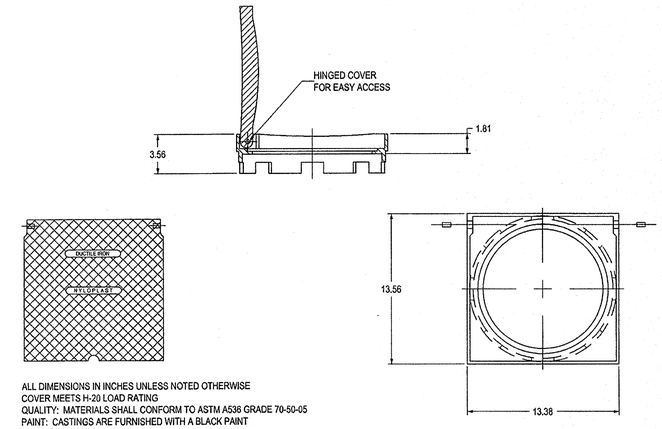
GRATE OPTIONS	LOAD RATING
PEDESTRIAN STANDARD	LIGHT DUTY
SOLID COVER	LIGHT DUTY
BRONZE	LIGHT DUTY
DOME	N/A
DROP IN GRATE	LIGHT DUTY



①- GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
②- FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
③- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
④- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
⑤ - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.

12" CLEANOUT / DRAIN BASIN:

SCALE: NTS



ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE
COVER MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT

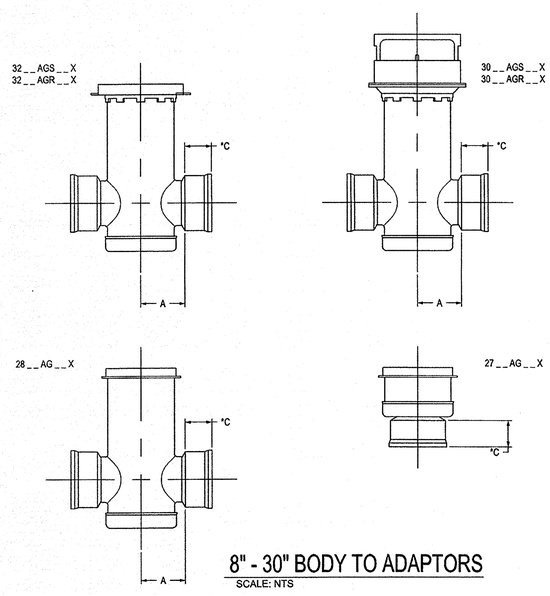
1299CGC

APPROX. WEIGHT WITH FRAME = 39.90 LBS

12" SOLID COVER ASSEMBLY

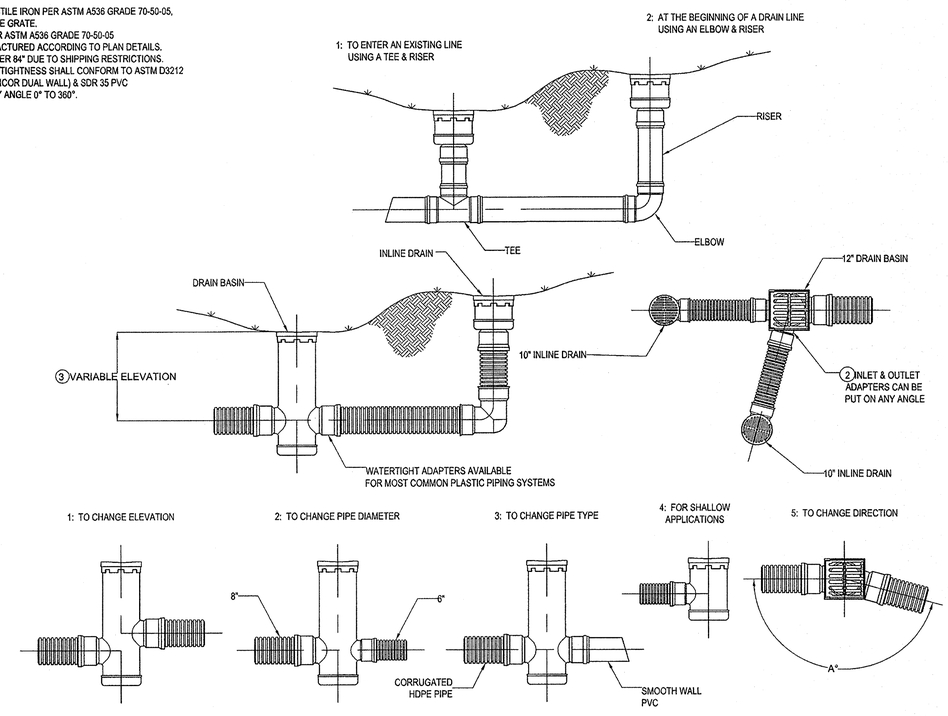
SCALE: NTS

BODY SIZE	ADAPTER SIZE	A ±1.00
8"	4"	6.20
8"	6"	6.20
8"	8"	6.70
10"	4"	7.25
10"	6"	7.25
10"	8"	7.75
10"	10"	7.75
12"	4"	8.25
12"	6"	8.25
12"	8"	8.75
12"	10"	8.75
12"	12"	9.25
15"	4"	9.65
15"	6"	9.65
15"	8"	10.15
15"	10"	10.15
15"	12"	10.65
15"	15"	10.65
18"	4"	11.35
18"	6"	11.35
18"	8"	11.85
18"	10"	11.85
18"	12"	12.35
18"	15"	12.35
18"	18"	12.85
24"	4"	14.40
24"	6"	14.40
24"	8"	14.90
24"	10"	14.90
24"	12"	15.40
24"	15"	15.40
24"	18"	15.90
24"	24"	16.90
30"	4"	18.00
30"	6"	18.00
30"	8"	18.50
30"	10"	18.50
30"	12"	19.00
30"	15"	19.00
30"	18"	19.50
30"	24"	20.50
30"	30"	27.00



8" - 30" BODY TO ADAPTORS

SCALE: NTS



8 IN. - 30 IN TYPICAL INSTALLATION

SCALE: NTS

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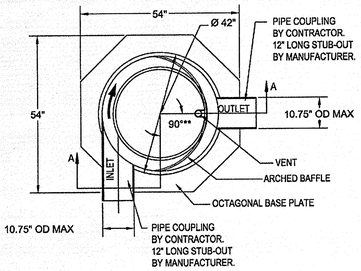
CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: STANDARD DETAILS
Project: 08-2052
Date: APRIL 25, 2008
Scale: AS NOTED
Sheet Number: S-502

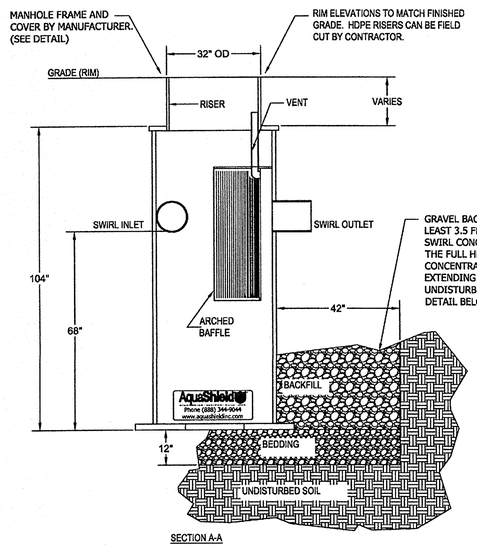
* PLEASE SEE ACCOMPANIED AQUA-SWIRL SPECIFICATION NOTES.
* SEE SITE PLAN FOR ACTUAL SYSTEM ORIENTATION.
** ORIENTATION MAY VARY FROM 90°, 180°, OR CUSTOM ANGLES TO MEET SITE CONDITIONS.



PLAN VIEW

NOTE:

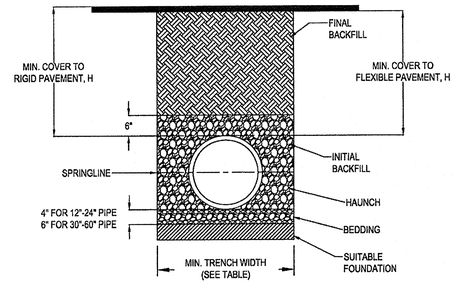
1. SYSTEM SHALL BE DESIGNED FOR THE FOLLOWING CAPACITIES:
   PEAK TREATMENT FLOW: 1.1 CFS
   SEDIMENT STORAGE: 10 FT³
   OIL/DEBRIS STORAGE: 37 GAL.
2. CONTRACTOR MAY SUBMIT ALTERNATE STORMWATER TREATMENT STRUCTURE FOR REVIEW & APPROVAL. THE PROPOSED ALTERNATE SHALL BE ON THE INDIANAPOLIS DPW PRE-APPROVED LIST OF STRUCTURES.
   MINIMUM REQUIRED TREATMENT FLOW = 0.36 CFS



SECTION A-A

AQUA-SWIRL CONCENTRATOR MODEL AS-3 OFF-LINE STANDARD DETAIL

SCALE: NTS



NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION

2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).

5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

MINIMUM RECOMMENDED COVER BASED ON VECHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
54" - 60"	24"	60"

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

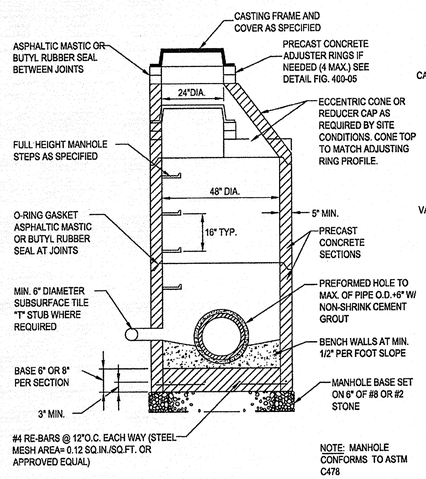
MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS

PIPE DIAM.	COOPER E-80**
UP TO 24"	24"
30"-36"	36"
42"-60"	48"

** COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE.
*** E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.

PLASTIC PIPE (PVC & HDPE) TRENCH DETAIL

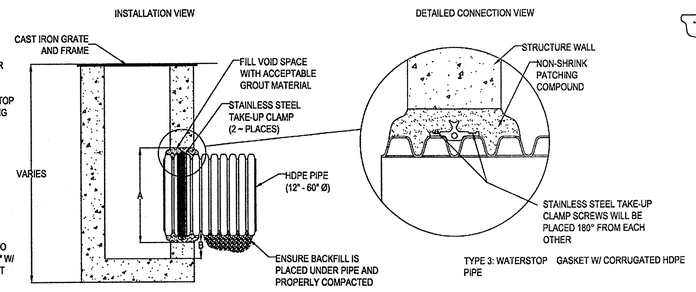
SCALE: NTS



NOTE: MANHOLE CONFORMS TO ASTM C478

STANDARD MANHOLE FOR PIPE SIZES 12" THRU 24"

SCALE: NTS

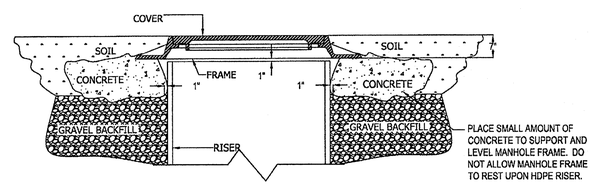


PIPE SIZE (IN)	PIPE OD (IN) A-PROFILE	PIPE OD (IN) H-PROFILE	"A" MIN. HOLE Ø (IN)	"B" MIN. DISTANCE PIPE INVERT TO STRUCUTRE INVERT (IN)
12	14.5	14.2	19.50	3.7
15	17.6	17.8	23.00	4.0
18	21.2	21.5	26.50	4.2
24	27.8	28.4	33.25	4.5
30	35.1	35.5	40.50	5.2
36	41.1	41.4	47.00	5.5
42	47.7	48.0	53.00	5.7
48	53.6	54.0	59.00	5.7
60	66.3	67.3	72.00	6.4

MANHOLE CONNECTION DETAIL

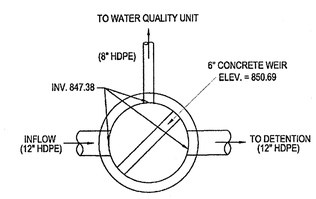
SCALE: NTS

BOLLARDS SHALL BE PLACED AROUND ACCESS RISER(S) IN NON-TRAFFIC AREAS TO PREVENT INADVERTENT LOADING BY MAINTENANCE VEHICLES.



MANHOLE FRAME & COVER DETAIL FOR NON-TRAFFIC AREAS ONLY

SCALE: NTS



NOTE:
BYPASS WEIR SHALL BE CONSTRUCTED AT THE PRECAST PLANT ACCORDING TO THE DESIGNATED ELEVATION. CAST-IN-PLACE WEIR SHALL NOT BE ALLOWED.

BYPASS STRUCTURE

SCALE: NTS

HOLEY MOLEY SAYS "DON'T DIG BLIND"

"IT'S THE LAW"
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IC-63-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

KASHIF J. KHAN
REGISTERED
No. 10302066
STATE OF INDIANA
PROFESSIONAL ENGINEER

No.	Revision/Issue	Date

INFRASTRUCTURE ENGINEERING, INC.
2601 FORTUNE CIRCLE EAST,
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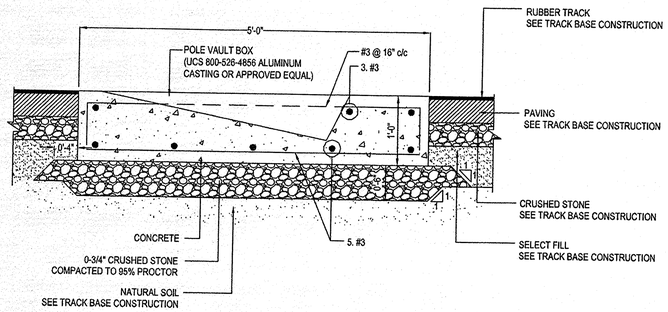
METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

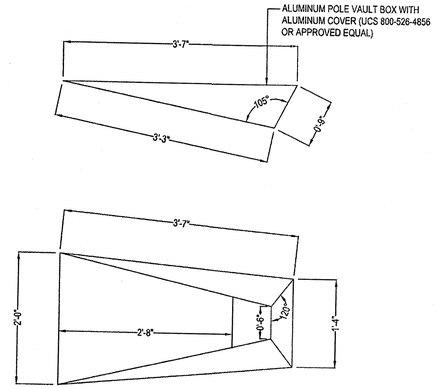
CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

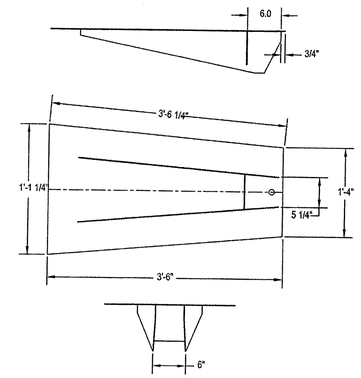
Sheet Name: STANDARD DETAILS
Project: 08-2052
Date: APRIL 25, 2008
Scale: AS NOTED
Sheet Number: S-503



SECTION A-A
SCALE: NTS



POLE VAULT BOX
SCALE: NTS



POLE VAULT BOX COVER
SCALE: NTS

ALL CONCRETE SHALL BE 3500 psi AT 28 DAYS UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS. ALL REINFORCING STEEL SHOWN

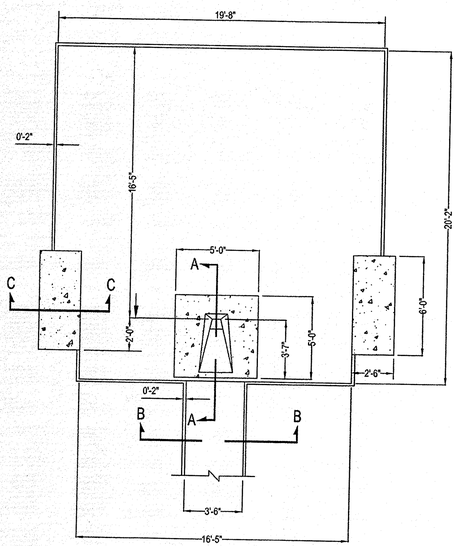
INTERMEDIATE GRADE.

MAXIMUM SLOPE OF CONCRETE SHALL BE 4" UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. ADMIXTURES MAY BE USED IN CONCRETE, BUT ADVICE AS TO TYPE, QUANTITY AND PURPOSE MUST BE GIVEN TO THE ENGINEER PRIOR TO PLACING ANY CONCRETE.
MAX. WATER/CEMENT MATERIAL RATIO = 0.55

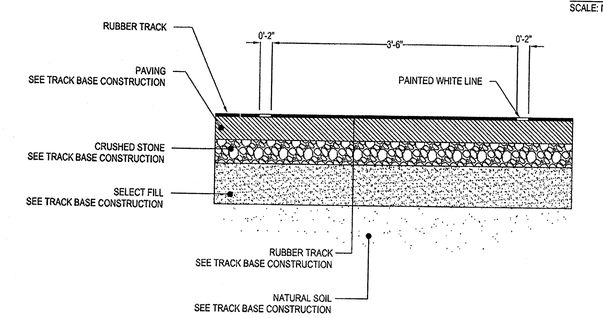
A VIBRATOR IS TO BE USED FOR ALL STRUCTURAL CONCRETE AND FOR ALL CONCRETE WHICH WILL REMAIN EXPOSED. THIS INCLUDES ALL FOUNDATIONS AND FONDATION WALLS.

PROVIDE MOIST CURING FOR ALL CONCRETE ON GRADE FOR MINIMUM OF 7 (SEVEN) DAYS AFTER PLACING CONCRETE. ALTERNETIVELY, A CURE/SEAL COMPOUND MAY BE USED IF PRIOR APPROVAL IS SECURED FROM THE ARCHITECT AND ENGINEER.

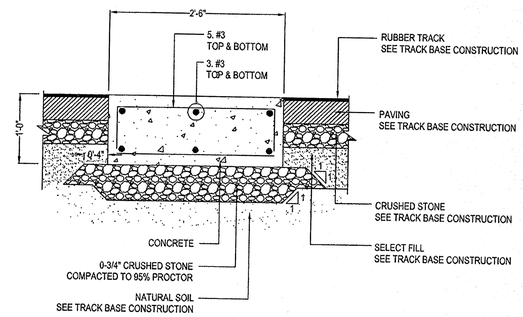
IF MOIST CURING OR CURE SEAL COMPOUND IS NOT APPLIED AS DIRECTED, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL FAILURES OF THE SLAB REGARDLESS OF HOW THESE FAILURES MAY BE CAUSED.



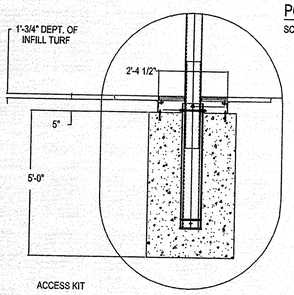
POLE VAULT DETAIL
SCALE: NTS

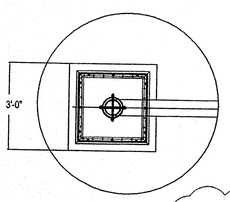


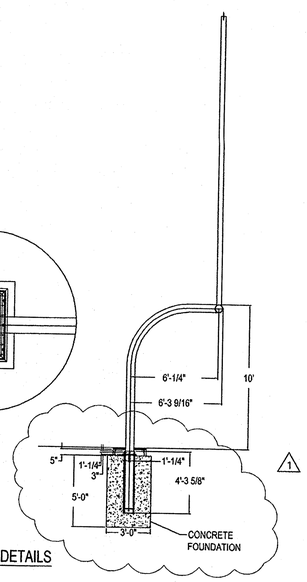
SECTION B-B
SCALE: NTS



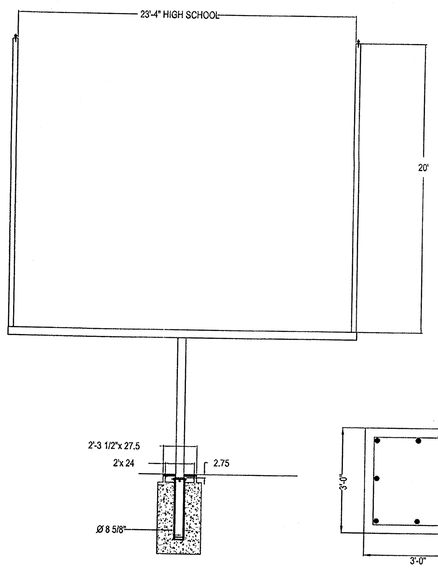
SECTION C-C
SCALE: NTS

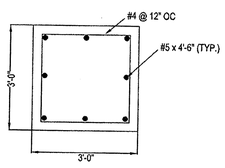




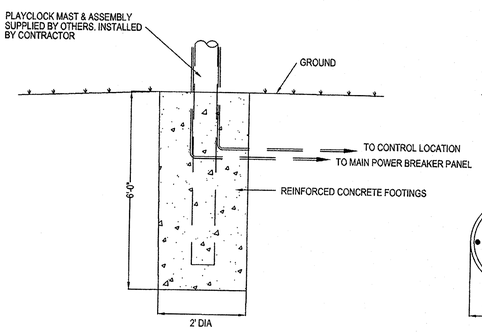


GOAL POST DETAILS
SCALE: NTS





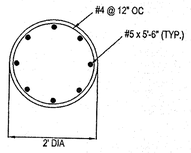
GOAL POST FOUNDATION X-SECTION
SCALE: NTS



PLAYCLOCK FOUNDATION DETAIL
SCALE: NTS

GENERAL NOTES:

SEE SHEET S-501 FOR TRACK BASE CONSTRUCTION DETAIL



PLAYCLOCK FOUNDATION X-SECTION
SCALE: NTS

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KASHIF J. KHAN
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No. 10302066
STATE OF INDIANA
PROFESSIONAL ENGINEER

No.	Revision/Issue	Date
1	CHANGES TO GOAL POST DIMENSIONS	5/9/08

INFRASTRUCTURE ENGINEERING, INC.
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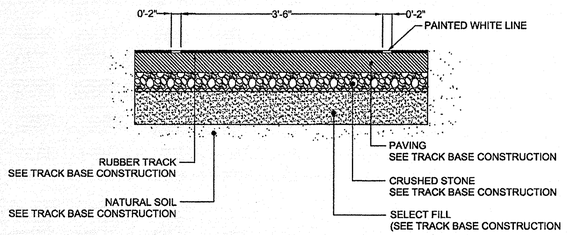
METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

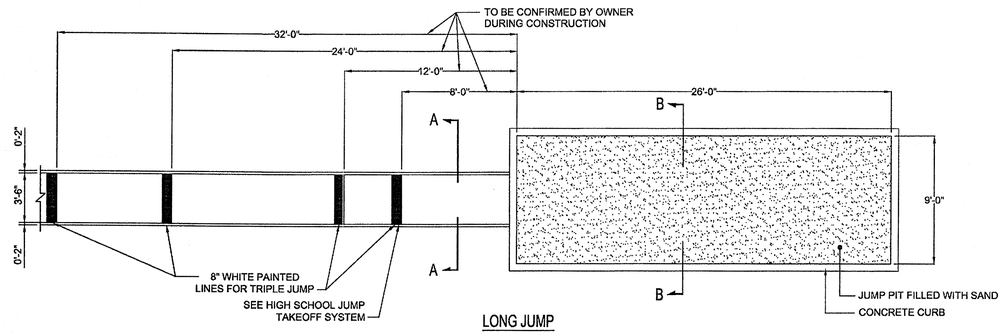
CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

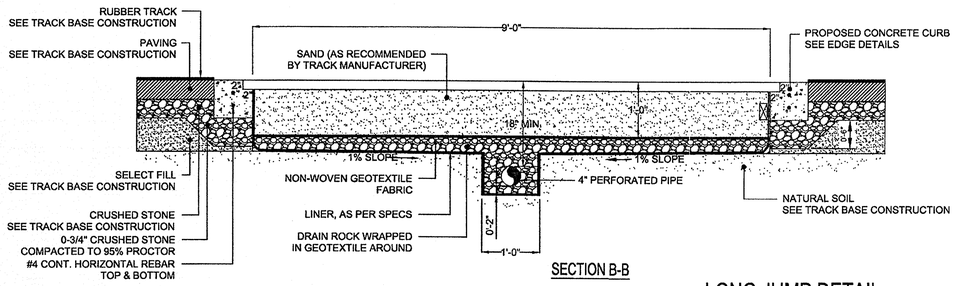
Sheet Name	STANDARD DETAILS
Project	08-2052
Date	APRIL 25, 2008
Scale	AS NOTED
Sheet Number	S-504



SECTION A-A



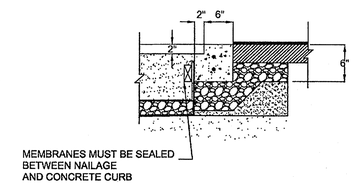
LONG JUMP



SECTION B-B

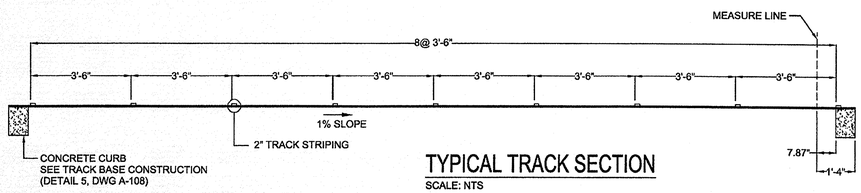
LONG JUMP DETAIL

SCALE: NTS



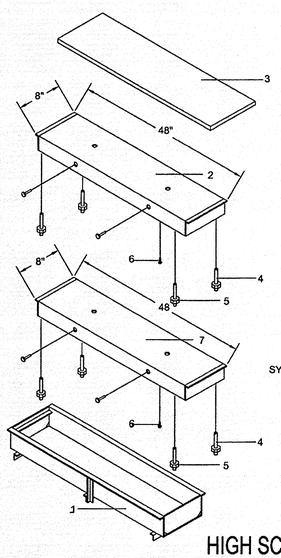
EDGE DETAIL

SCALE: NTS

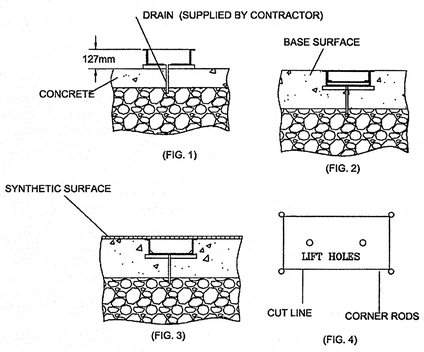


TYPICAL TRACK SECTION

SCALE: NTS



PARTS LIST			
ITEM	PT. NO.	DESCRIPTION	QTY.
1	519-B121-00	FOUNDATION TRAY	(1)
2	519-B1021-10	BOARD UNDERSTRUCTURE	(1)
3	519-B121-10A	TAKE-OFF BOARD	(1)
4	---	ADJUSTING LEVELING SCREW (3/8-16 X1 1/2)	(12)
5	---	NUTS (3/8-16) FOR LEVELING SCREW	(8)
6		SCREW, WOOD, FLAT HD. #6 X 1 1/2	(8)
7		BLANKING LID	(1)



HIGH SCHOOL JUMP TAKEOFF SYSTEM

SCALE: NTS

UCS HIGH SCHOOL LONG JUMP/TRIPLE JUMP TAKEOFF SYSTEM INSTALLATION

INSTRUCTIONS NOTE:

A PVC DRAIN SHOULD BE SUPPLIED AND INSTALLED BY THE CONTRACTOR WHEN INSTALLING THE FOUNDATION TRAY.

1. BASE OF FOUNDATION TRAY SHOULD REST ON A LEVEL CONCRETE SURFACE WHICH IS LOCATED 127mm BELOW TOP OF BASE SURFACE AND FOUNDATION TRAY.

2. LIP OF FOUNDATION TRAY SHOULD BE FLUSH WITH BASE SURFACE CHECK LEVEL AND POUR CONCRETE AROUND TRAY. (FIG. 1)

3. BLANKING LID SHOULD BE PERPARED TO ACCEPT SYNTHETIC SURFACE. (ADHESIVE, ACID ETCH, OR SAND TO PREP SURFACE)

4. PLACE BLANKING LID INTO FOUNDATION TRAY AND ADJUST LEVELING SCREWS UNTILL LID IS LEVEL AND FLUSH WITH TOP EDGES OF FOUNDATION

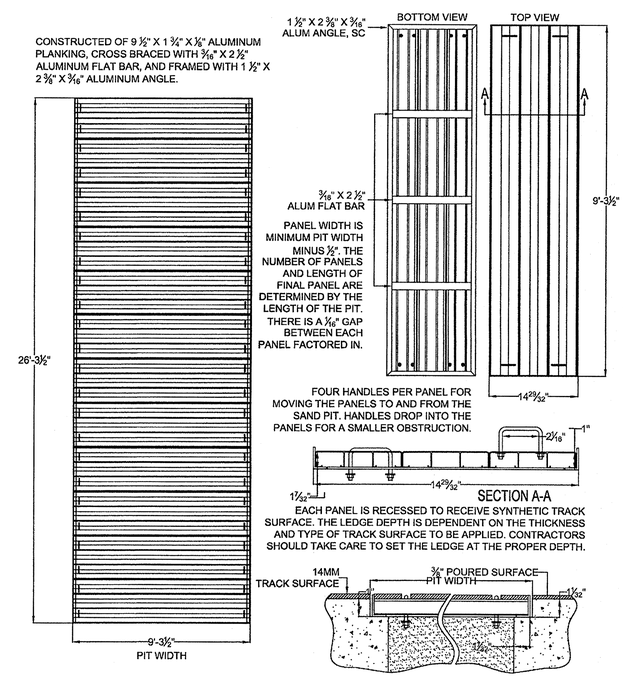
5. INSERT SMALL 2mm DIA. ROD IN EACH OF THE FOUR CORNERS OF BLANKING LID TO LOCATE CUTTING LINES. RODS MUST BE VERTICAL AND EXTEND ABOVE TOP OF SYNTHETIC SURFACE.

6. INSERT LARGE 19mm ROD IN THE TWO LIFTING HOLES. THE RODS MUST EXTEND ABOVE TOP OF SYNTHETIC SURFACE.

7. POUR SYNTHETIC SURFACE.

8. AFTER THE SURFACE HAS SET USE THE SMALL RODS AS A GUIDE FOR STRAIGHT EDGE AND CUT A RECTANGULAR SHAPE TO MATCH THE BLANKING BOARD. USE A VERY SHARP BLADE TO ASSURE A CLEAN CUT. (FIG. 4)

9. REMAVE ALL RODS SO THAT THE BLANKING LID MAY BE LIFTED TO INSTALL THE TAKE-OFF BOARD UNDERSTRUCTURE.



ALUMINUM SAND PIT COVER WITH TRACK SURFACE

SCALE: NTS

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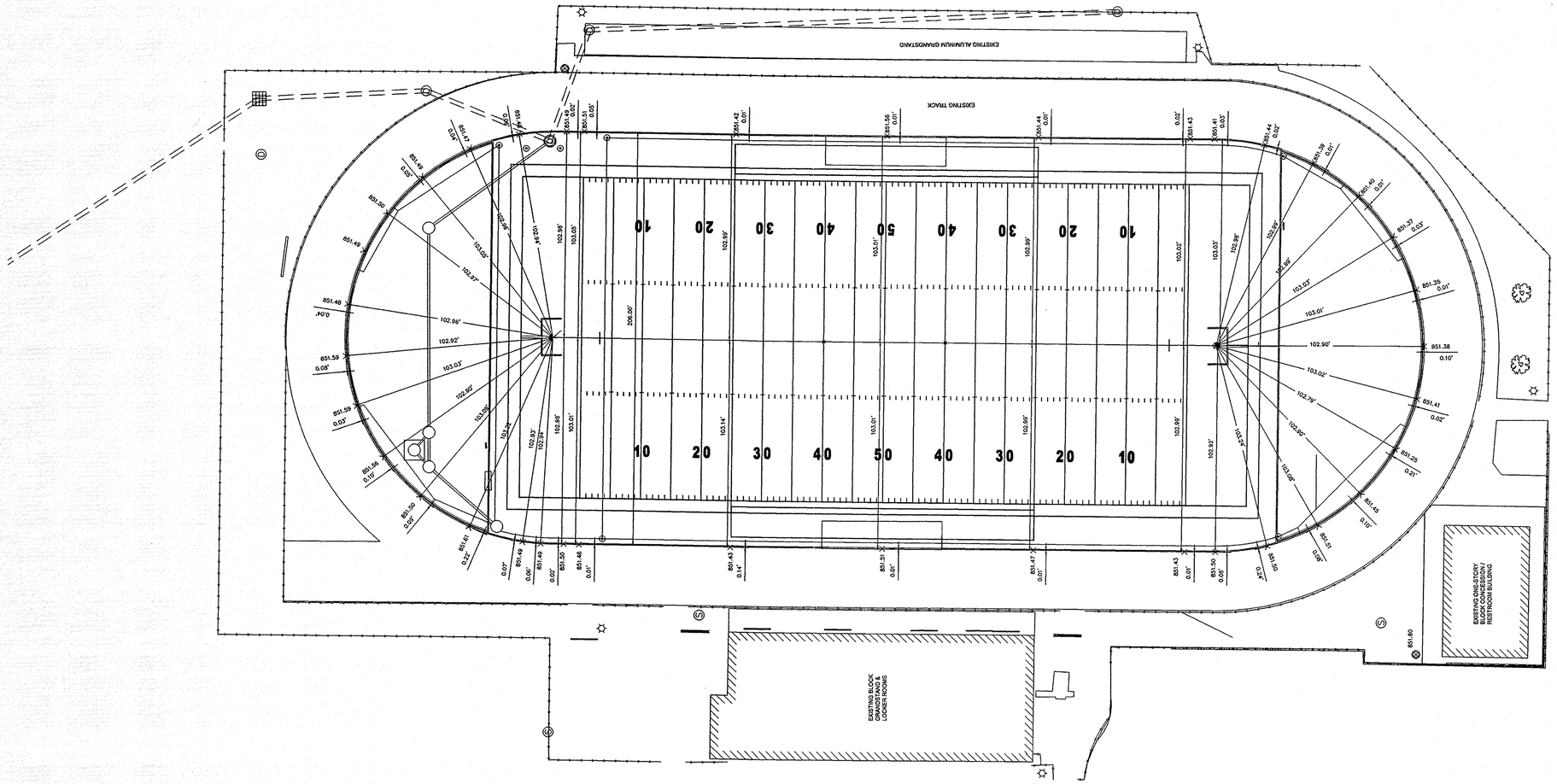
METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

CONSTRUCTION PLANS
LAWRENCE CENTRAL HIGH SCHOOL
ATHLETIC FIELD IMPROVEMENTS

7300 East 56th Street
Indianapolis, IN 46226

Sheet Name: STANDARD DETAILS
Project: 08-2052
Date: APRIL 25, 2008
Scale: AS NOTED
Sheet Number: S-505

RECORD DRAWING
LAWRENCE CENTRAL HIGH SCHOOL



FACE OF CURB / SAWCUT ASBUILT

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

BRIAN CRAIG RISMILLER
REGISTERED
No. LS20200083
STATE OF INDIANA
LAND SURVEYOR

SEA Group
Land Surveyors
433 West Carmel Drive
Carmel, IN 46032
Phone: 317.844.3333
Fax: 317.844.3383
www.SEAGroupLLC.com

LAWRENCE CENTRAL HIGH SCHOOL

7300 EAST 56TH. ST.
INDIANAPOLIS, IN, 46226

PROJECT LOCATED IN:

SECTION 01 - TOWNSHIP 16 NORTH - RANGE 04 EAST

LAWRENCE TOWNSHIP, MARION COUNTY

RECORD DRAWINGS

PREPARED FOR:

SUMMIT CONTRACTING

Attn: CHRIS LONG
CLIENT ADDRESS
CITY STATE ZIP
PHONE NUMBER
FAX NUMBER

REV. #	DATE	REV. DESC.
.	..	...

DRAWING LEGEND

EXISTING GUARD RAIL
EXISTING MESH-TYPE FENCE
EXISTING WOOD-TYPE FENCE
GAS — UNDERGROUND GAS LINES
CATV — UNDERGROUND CABLE TELEVISION LINES
WTR — UNDERGROUND WATER LINES
STM — UNDERGROUND STORM SEWER
SAN — UNDERGROUND SANITARY SEWER
FBOP — UNDERGROUND FIBER-OPTIC
UGT — UNDERGROUND TELEPHONE
UGE — UNDERGROUND ELECTRIC
OHE — OVERHEAD ELECTRIC
OHT — OVERHEAD TELEPHONE
OVHD — OVERHEAD UTILITY
TRAF — OVERHEAD TRAFFIC LINES
IRR — UNDERGROUND IRRIGATION LINES
R.O.W. = RIGHT OF WAY (AS NOTED)
CONTOURS AS NOTED
B.S.L. = BUILDING SETBACK LINE
EASEMENT (AS NOTED)
REAL ESTATE LINES (AS NOTED)
SUBJECT REAL ESTATE SURVEY LINE (AS NOTED)
EXISTING CONC. CURB (AS NOTED)
CONTOURS - MAJOR INTERVAL
CONTOURS - MINOR INTERVAL
TOB — TOP OF BANK
TOS — TOE OF SLOPE
EXISTING FLOWLINE

P = PLATTED BEARING AND DIMENSION
D = DEEDED BEARING AND DIMENSION
C = CALCULATED BEARING AND DIMENSION
M = MEASURED BEARING AND DIMENSION

VICINITY MAP - NOT TO SCALE

Approved By:	BCR
Drawn By:	RDM
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