

MEMORANDUM

TO: Gregg Mandsager, City Administrator

FROM: Richard Klimes, Director of Parks and Recreation

DATE: June 18, 2018

RE: Proposed Resolution Approving the Plans, Specifications, Form of Contract, and Establishing a Bid Opening Date for the "Houser Street Parking Expansion and Athletic Field Grading Project"

INTRODUCTION:

Please accept this memo and the attached information as a request to approve the proposed Resolution Approving the Plans, Specifications, Form of Contract and Establishing a Bid Opening Date for the "Houser Street Parking Expansion and Athletic Field Grading Project."

BACKGROUND:

This project consists of the construction of a parking facility with up to 228 parking spots, enhancing the safety features of the street crossings and grading 4 athletic field areas on the 17.62 acre tract located along Houser Street West of Kent Stein Park and the soccer complex. The general project site layout is attached.

RECOMMENDATION:

At this time, it is staff's recommendation for the City Council to approve the Resolution Approving the Plans, Specifications, Form of Contract, and Establishing a Bid Opening Date for the "Houser Street Parking Expansion and Athletic Field Grading Project" as proposed.

The project will be funded by a grant from the Roy J. Carver Charitable Trust (\$140,000.00) and the City of Muscatine (\$360,000.00) as approved in the last budget cycle. The land is being donated by the Kent Corporation. The current Leadership Muscatine group is securing a donation for the site grading and are in the process of soliciting for donations for additional site amenities. Additionally, MUSCO has been approached about providing lighting for the site.

BACKUP INFORMATION:

1. Resolution
2. Notice to Bidders
3. Project Site Plan

Thank you for your time and attention to this project. Please contact me if you have any questions or concerns.

C. Nick Gow, Superintendent of Parks

RESOLUTION NO. _____

**A RESOLUTION APPROVING THE PLANS, SPECIFICATIONS, FORM OF CONTRACT,
AND ESTABLISHING A BID OPENING DATE FOR THE HOUSER STREET PARKING
EXPANSION AND ATHLETIC FIELD GRADING PROJECT**

WHEREAS, the City Council for the City of Muscatine, Iowa, has conducted a public hearing to receive comments related to the plans, specifications, and form of contract for the Houser Street Parking Expansion and Athletic Field Grading Project, and

WHEREAS, following comments received during the public hearing, the City Council must now approve the final plans, specifications, form of contract, and establish a bid opening date for the Houser Street Parking Expansion and Athletic Field Grading Project;

NOW, THEREFORE, BE IT RESOLVED by the City Council for the City of Muscatine, Iowa, that the plans, specifications, and form of contract for the Houser Street Parking Expansion and Athletic Field Grading Project.

BE IT FURTHER RESOLVED that a bid opening date is hereby established for July 13, 2018 at 2:05 pm.

PASSED, APPROVED AND ADOPTED by the City Council for the City of Muscatine, Iowa, on this, the 21st day of June, 2018

Diana Broderon, Mayor

ATTEST:

Gregg Mandsager, City Clerk

**Houser Street Parking Expansion and Athletic Field Grading Project
City of Muscatine**

NOTICE TO BIDDERS

Notice is hereby given that the City of Muscatine, Iowa, will receive sealed proposals in the office of the City Clerk, City Hall, until 2:00 p.m., July 13, 2018, for the Houser Street Parking Expansion and Athletic Field Grading Project. At 2:05 p.m. on the same day the City's Purchasing Agent shall open the bids received and announce the results.

A prebid meeting will be held on July 6, 2018, at 9:00 a.m. central time, located at City Hall, 215 Sycamore Street, Muscatine, Iowa. Attendance is recommended but not mandatory.

Bids will be reported to the City Council at their regular meeting to be held at 7:00 p.m. on July 19, 2018. Said proposals shall be acted on at that time or at such later time and place as may then be fixed.

Description of the Type and Location of the Improvement

The project consists of the construction of a concrete parking lot, enhancing the safety features of the street crossings, grading four (4) athletic field areas and installing a sidewalk.

Proposals shall be submitted on a form furnished by the City and accompanied by a bid security in an amount equal to five (5) percent of the bid and shall stand as security that the successful bidder will enter into a contract for the work bid upon within ten (10) days after acceptance of his proposal by the City.

The City reserves the right to defer acceptance of any proposal for a period not to exceed thirty (30) calendar days and to reject any and all bids, to waive technicalities and to enter into such contract as it shall deem for the best interest of said City.

The Contractor must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

Payment to the Contractor will be made from funds legally available for that purpose. Payment will be made on the basis of monthly estimates equal to ninety-five (95) percent of the contract price. The balance of the five (5) percent due to the contractor will not be made earlier than thirty (30) days from the final acceptance of said work by the City, subject to the conditions and in accordance with the provisions of Chapter 573 of the Code of Iowa. Before final payment will be made, the Contractor shall certify that all materials, labor and services have been paid for and shall; file, in duplicate with the City, an itemized statement showing the amount of Iowa sales tax or use tax, if any, and to whom paid, on all materials which have become part of the contract.

All work is to be performed and completed under the guidelines of OSHA and in strict compliance with plans and specifications prepared by iiw, P.C. which have heretofore been approved by the City Council and are now on file for public examination.

Proposed plans, specifications, and contract documents may be obtained from Master Builders of Iowa/Construction Update Plan Room or they may contact the Muscatine Parks and

Recreation Department, 215 Sycamore Street, Muscatine, Iowa 52761 or by calling 563-263-0241 or on the City of Muscatine website.

This Notice is published by order of the City Council of the City of Muscatine, Iowa.

_____ Gregg Mandsager, City Clerk

HOUSER STREET PARKING EXPANSION AND ATHLETIC FIELD GRADING PROJECT MUSCATINE, IOWA

PROFESSIONAL SEALS

PROFESSIONAL ENGINEER

JONATHAN H. LUTZ

13164

IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

FOR IIW, P.C.

JONATHAN H. LUTZ	DATE
12/31/2018	RENEWAL DATE

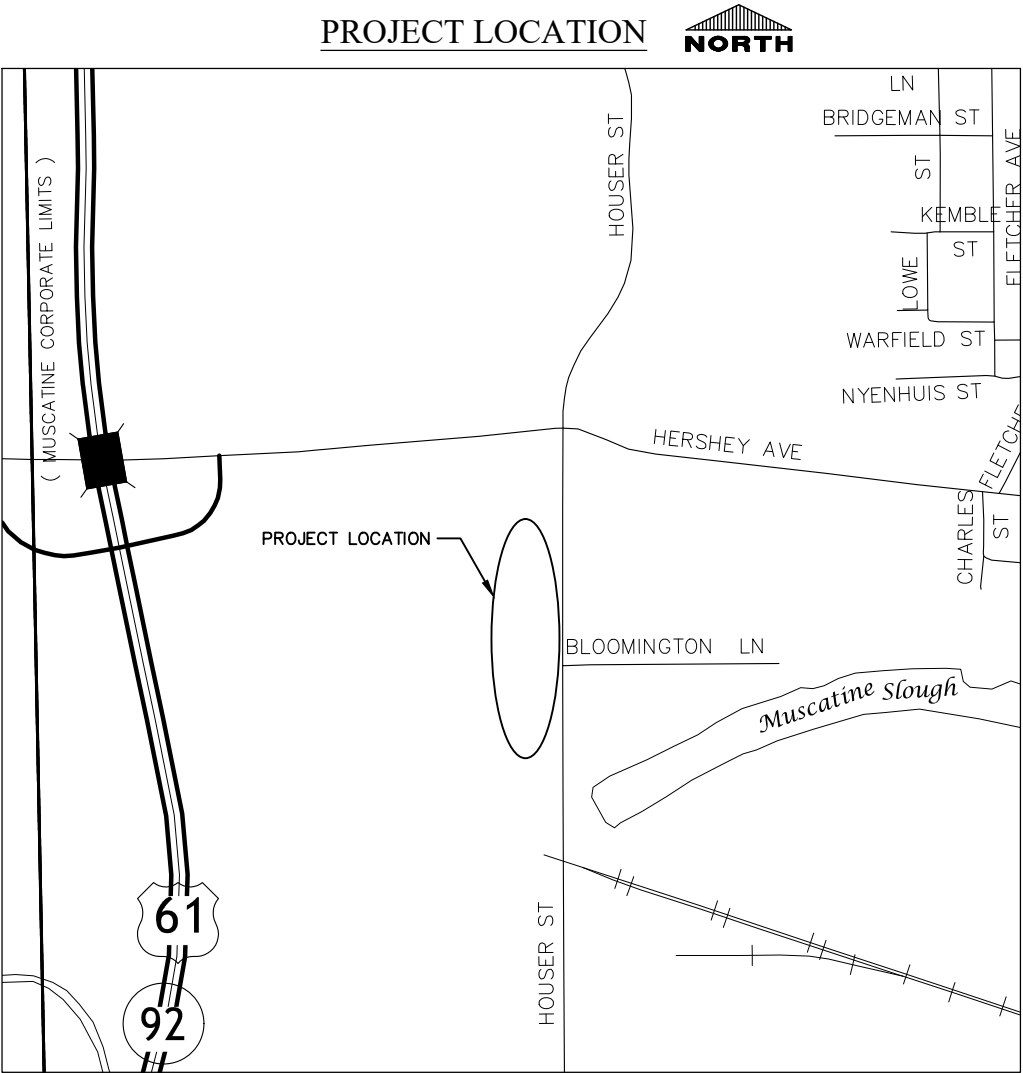
PAGES OR SHEETS COVERED BY THIS CERTIFICATION:

CONTACT

JON LUTZ
IIW, P.C.
4155 PENNSYLVANIA AVE
DUBUQUE, IA 52002
V. (563)556-2464
F. (563)556-7811
E. J.Lutz@iiwengr.com

NOTE: STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS)
LATEST REVISION SHALL APPLY TO ALL CONSTRUCTION ON THIS PROJECT.

PROJECT LOCATION



IOWA

ONE CALL

1 (800) 292 - 8989

Sheet List Table		
Sheet Number	Sheet Title	Sheet Description
G0.01	GENERAL	COVER SHEET
G0.02	GENERAL	ABBREVIATIONS & LEGEND
G.0.03	GENERAL	ESTIMATE & REFERENCE NOTES
C1.01	EXISTING CONDITIONS	PLAN
C1.02	EXISTING CONDITIONS	PLAN
C2.01	EROSION CONTROL	DETAILS
C2.10	EROSION CONTROL	PLAN
C3.10	GRADING	PLAN
C6.01	PAVING & STORM	DETAILS
C6.10	PAVING & STORM	OVERALL PLAN
C6.11	PAVING & STORM	PLAN
C6.12	PAVING & STORM	PLAN
C6.13	INTERSECTION	PLAN (STANDARD)
C6.14	INTERSECTION	PLAN (BUMP OUT)

UTILITY INFORMATION

UTILITY NOTE:

THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE UTILITIES PRESENT MAY NOT EXIST AS SHOWN. ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN MAY BE PRESENT. IT SHALL BE THE RESPONSIBILITY OF ANYONE USING THIS DOCUMENT TO ASCERTAIN THE EXACT LOCATION, SIZE, TYPE, MATERIAL, AND ELEVATION OF ALL UTILITIES THAT MAY BE PRESENT.

UTILITY PROVIDERS:

MUSCATINE POWER & WATER
3205 CEDAR STREET
MUSCATINE, IOWA 52761
WATER – BRYAN BUTLER (563)262-3360
ELECTRIC – STEVE SHOPPA (563)262-3324
COMMUNICATIONS – TOM LEWIS (563)262-3206

ALLIANT ENERGY
215 OAK STREET
MUSCATINE, IOWA 52761
GAS – JOHN CARNEY (563)288-3322

CENTURYLINK
3908 UTICA RIDGE RD
BETTENDORF, IOWA 52722
COMMUNICATIONS – BRENT GIESE (563)355-2592

WINDSTREAM COMMUNICATIONS
1450 N CENTER POINT RD
HIAWATHA, IA 52233
COMMUNICATIONS – STEPHEN KNESS (319)790-7678

MID-AMERICAN ENERGY
GAS – DIANNE HIRL (309)793-3645

iiw

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GENERAL
COVER SHEET

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

Drawing Issue Information

Project Mgr: JHL
Issued For Bidding: .
Drawn By: JMV/TDC
Issued For Construction: .

Rev

Date

Description

By

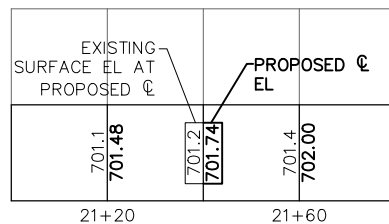
Sheet No:

G0.01

Project No: ----

ABBREVIATIONS

Δ	CENTRAL ANGLE	FD	FLOOR DRAIN	R	RADIUS
A/C	AIR CONDITIONING(ER)	FDN	FOUNDATION	R&R	REMOVE & REPLACE
AC	ACRES	F.E.	FIELD ENTRANCE	R&S	REMOVE & SALVAGE
A.F.F.	ABOVE FINISHED FLOOR	FES	FLARED END SECTION	RCB	REINFORCED CONCRETE BOX
AGG	AGGREGATE	F-F	FACE TO FACE	RCAP	REINFORCED CONCRETE ARCH PIPE
AOH	ARROW ON HYDRANT	FFE	FINISH FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
ARCH	ARCHITECTURAL	FG	FORM GRADE	RD	ROAD
ASPH	ASPHALT	FIN GR	FINISHED GRADE	REBAR	REINFORCING BAR
AVG	AVERAGE	FL	FLOWLINE	REF	REFERENCE
		FLG	FLANGE	REINF	REINFORCING/REINFORCED
		FLR	FLOOR	REV	REVISION
B-B	B/C – B/C	FM	FORCE MAIN	RIM	RIM ELEVATION
B/C, BOC	BACK OF CURB	FND	FOUND	ROW	RIGHT OF WAY
B/DITCH	BOTTOM OF DITCH	FT	FOOT/FEET	RP	RADIUS POINT
BFP	BACKFLOW PREVENTOR	FTG	FOOTING	RS	RESILIENT SEAT
B/L	BASE LINE	FUT	FUTURE	RT	RIGHT
B/S	BOTTOM OF SLOPE	FV	FIELD VERIFY		
BLDG	BUILDING			S	SOUTH
B.M.	BENCH MARK	G	GUTTER	S=	SUPERELEVATION
BOP	BEGINNING OF PROJECT	GC	GENERAL CONTRACTOR	SAN	SANITARY
BOT	BOTTOM	GALV	GALVANIZED	SANS	SANITARY SEWER
BSMT	BASEMENT	GND	GROUND	SB	SOIL BORING
BV	BUTTERFLY VALVE	GRAN	GRANULAR	SCH	SCHEDULE
		GRD	GRADE	SD	SUB DRAIN
		GV	GATE VALVE	SEC	SECTION
C&G	CURB AND GUTTER			SE'LY	SOUTHEASTERLY
CATV	CABLE TELEVISION	HMA	HOT MIX ASPHALT	SF	SQUARE FOOT
CB	CATCH BASIN	HORIZ	HORIZONTAL	S.F.D.	STEP FOOTING DOWN
C-C	CENTER TO CENTER	HPT	HIGH POINT	SHT	SHEET
CF	CUBIC FEET	HSD	HEADLIGHT STOPPING DISTANCE	SIG.	SIGNAL
CH	CHORD	HYD	HYDRANT	SIM.	SIMILAR
CH BRG	CHORD BEARING			S'LY	SOUTHERLY
CIP	CAST IRON PIPE	ID	INSIDE DIA/INSIDE DIM	SOG	SLAB ON GRADE
C-I-P	CAST-IN-PLACE	IE	INVERT ELEVATION	SPEC	SPECIFICATION
CISP	CAST IRON SOIL PIPE	IMP	IMPROVEMENTS	SS	STAINLESS STEEL
CJ	CONTROL JOINT	IN	INCHES	SSD	STOPPING SIGHT DISTANCE
CL OR CL	CENTERLINE	INV	INVERT	ST	STREET
CLR	CLEAR	IP	IRON PIPE	STA	STATION
CMP	CORRUGATED METAL PIPE			STD	STANDARD
CMU	CONCRETE MASONRY UNIT	JB	JUNCTION BOX	STL	STEEL
CO	CLEAN OUT	JT	JOINT/JOINT LENGTH	STM	STORM
COL	COLUMN	K	RATE OF VERT CURVATURE	STMS	STORM SEWER
COMP	COMPACTED			SW'LY	SOUTHWESTERLY
CONC	CONCRETE			SY	SQUARE YARD
CONN	CONNECTION				
CONST	CONSTRUCTION	L	LENGTH OF CURVE	T	TANGENT LENGTH
CONT	CONTINUOUS	LAT	LATERAL	T/B	TOP OF BANK
COR	CORNER	LF	LINEAL FOOT	T/DITCH	TOP OF DITCH
CP	CONTROL POINT	LONG	LONGITUDINAL	T/C, TC	TOP OF CURB
CPE	CORRUGATED POLYETHYLENE PIPE	LP	LIGHT POLE	T/GRAV	TOP OF GRAVEL
CRST	CRUSHED STONE	LPT	LOW POINT	T/WALL	TOP OF WALL
CSP	CORRUGATED STEEL PIPE	LT	LEFT	T/P, TP	TOP OF PAVEMENT
CTRD	CENTERED			T/S	TOP OF SLOPE
CTR	CENTER	MAX	MAXIMUM	T/SUB	TOP OF SUBGRADE
CULT	CULTIVATED	ME	MATCH EXISTING	T/W, TW	TOP OF WALK
CV	CHECK VALVE	MH	MANHOLE	T'WM	TOP OF WATER MAIN
CY	CUBIC YARD	MIN	MINIMUM	T & B	TOP AND BOTTOM
		MISC	MISCELLANEOUS	T.O.B.	TOP OF BEAM
D	DEGREE OF CURVE	MON	MONUMENT	T.O.B.L.	TOP OF BRICK LEDGE
DIA (ø)	DIAMETER	MP	MILE POST	T.O.C.	TOP OF CONCRETE
DIP	DUCTILE IRON PIPE			T.O.E.F.	TOP OF EXISTING FOOTING
DN	DOWN	N	NORTH	T.O.F.	TOP OF FOOTING
DRWY	DRIVEWAY	N/A	NOT APPLICABLE	T.O.M.	TOP OF MASONRY
DS	DOWNSPOUT	NE'LY	NORTHEASTERLY	T.O.P.	TOP OF PIER
DWG(S)	DRAWING(S)	N'LY	NORTHERLY	T.O.S.	TOP OF STEEL
DWL(S)	DOWEL(S)	NO/#	NUMBER	TCE	TEMP CONSTRUCTION EASEMENT
		NIC	NOT IN CONTRACT	TEL	TELEPHONE
E	EAST	NTS	NOT TO SCALE	TEMP	TEMPORARY
E'LY	EASTERLY	NW'LY	NORTHWESTERLY	THK	THICK / THICKNESS
EA	EACH			TWP	TOWNSHIP
EJ	EXPANSION JOINT			TYP	TYPICAL
EL	ELEVATION				
ELEC	ELECTRICAL	OC	ON CENTER	U	UTILITY
ELEV	ELEVATOR	OD	OUTSIDE DIAMETER	UAC	USE AS CONSTRUCTED
EMBED	EMBEDMENT			UE	UTILITY EASEMENT
ENGR	ENGINEER	PC	POINT OF CURVE	UL	UNDERWRITERS LABORATORIES, INC.
ENTR	ENTRANCE	PERF	PERFORATED	ULFM	UNDERWRITERS LABORATORIES FACTORY MUTUAL
EOP	END OF PROJECT	PI	POINT OF INTERSECTION	UNO	UNLESS NOTED OTHERWISE
EOR	END OF RADIUS	P/L	PROPERTY LINE		
E/P	EDGE OF PAVEMENT	PM	PRINCIPAL MERIDIAN		
EQ	EQUAL	POB	POINT OF BEGINNING		
E/S	EDGE OF SHOULDER	POC	POINT OF CURVE		
ESMT	EASEMENT	POT	POINT OF TANGENT	VAR	VARIES
EST	ESTIMATE	PRC	POINT OF REVERSE CURVE	VC	VERTICAL CURVE
EX	EXISTING	PRELIM	PRELIMINARY	VCP	VITRIFIED CLAY PIPE
EXC	EXCAVATE/EXCAVATION	PROP	PROPOSED	VER	VERIFY
EXP	EXPANSION	PRV	PRESSURE REDUCING VALVE	VERT	VERTICAL
EXT	EXTERIOR	PT	POINT OF TANGENCY	VOL	VOLUME
EXTD	EXTEND	PVC	POLYVINYL CHLORIDE	VPC	VERT POINT OF CURVE
EW	EACH WAY	PVMT	PAVEMENT	VPI	VERT POINT OF INTERSECTION
				VPT	VERT POINT OF TANGENCY
		QTY	QUANTITY		



LEGEND

EXISTING		PROPOSED		EXISTING		PROPOSED	
	PROPERTY LINE				CATCH BASIN		
	EASEMENT				AREA INTAKE		
	SECTION LINE				STORM MANHOLE		
	QUARTER SECTION LINE				SANITARY MANHOLE		
	QUARTER QUARTER SECTION LINE				UTILITY MANHOLE		
	CENTERLINE				WATER VALVE MANHOLE		
	STORM SEWER				FIRE HYDRANT		
	SUB DRAIN				WATER SHUT OFF		
	SANITARY SEWER				WATER VALVE		
	FORCE MAIN				YARD HYDRANT		
	WATER LINE				GAS VALVE		
	GAS LINE				SIGN		
	OVERHEAD ELECTRIC				UTILITY POLE		
	UNDERGROUND ELECTRIC				UTILITY POLE WITH LIGHT		
	OVERHEAD TELEPHONE				TRAFFIC SIGNAL POLE		
	UNDERGROUND TELEPHONE				GUY ANCHOR		
	OVERHEAD TELEVISION				LIGHT POLE		
	UNDERGROUND TELEVISION				UTILITY PEDESTAL		
	FIBER OPTIC				WELL		
	WIRE FENCE				MAILBOX		
	CHAINLINK FENCE				WATER LEVEL		
	WOOD FENCE				BOLLARD		
	CONTOUR LINE				SOIL BORING		
	RAILROAD TRACKS				POST INDICATOR VALVE		
	GUARD RAIL				DECIDUOUS TREE W/ TRUNK DIA.		
	SPOT ELEVATION				CONIFEROUS TREE W/ TRUNK DIA.		
	DIRECTION OF FLOW				SHRUB OR BUSH		
	TREE LINE						

EROSION CONTROL LEGEND

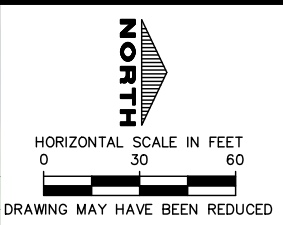
<u>TEMPORARY</u>		<u>TEMPORARY</u>		<u>PERMANENT</u>		<u>PERMANENT</u>	
— SF —	PERIMETER CONTROL (STRAW WATTLES, FILTER SOCKS & SILT FENCE ARE GENERALLY INTERCHANGEABLE)		ROLLED EROSION CONTROL PRODUCT (RECP) PER PLAN		SEEDING		VEGETATIVE STREAMBANK STABILIZATION
	CONCRETE WASHOUT		STREAM CROSSING		SODDING		STRUCTURAL STREAMBANK STABILIZATION
	CONSTRUCTION ENTRANCE	— CRS —	CONSTRUCTION ROAD STABILIZATION		SEED, FERTILIZER & MULCH		
	MULCHING	→ TD	TEMPORARY DIVERSION		OUTLET PROTECTION	— RR 	RIP RAP LINED CHANNEL
	SEEDING		LEVEL SPREADER		REVETMENT SLOPE PROTECTION	— GL 	GRASS LINED CHANNEL (———) MATERIAL REQUIRED
	COMPOST BLANKET				SOD DROP INLET PROTECTION		
	DITCH CHECK (ROCK DAM)			— CD 	CHECK DAM		
	SEDIMENT TRAP			— SC 	STONE CHECK		
	INLET PROTECTION				SEDIMENT BASIN		
	DUST CONTROL				SURFACE ROUGHENING		
					TURF REINFORCEMENT MAT (TRM)		
				— SD 	SLOPE DRAIN		
				→ PD	PERMANENT DIVERSION		
				— I —	LEVEL SPREADER		

SURVEY

■ FOUND REBAR

SURVEY

■ FOUND REBAR
 ● FOUND IRON PIPE
 ○ SET REBAR



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EXISTING CONDITIONS
PLAN

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

P:\18\065\DRAWINGS\CIVIL\18065_01_PDWG 6/19/2018 12:51 PM MARY ABBOTT

Drawing Issue Information		Project Description	
Project Mgr: JHL	Drawn By: JMV/TDC	HOUSER STREET PARKING EXPANSION AND ATHLETIC FIELD GRADING PROJECT MUSCATINE, IOWA	P-18-065
Issued For Bidding: .	Issued For Construction: .		
Rev	Description		
Date	By		

Sheet No:

C1.01

Project No: ----



iiw

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EXISTING CONDITIONS
PLAN

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

P:\18\065\DRAWINGS\CIVIL\18065_01_PDWG 6/19/2018 12:53 PM MARY ABBOTT

Drawing Issue Information

Project Mgr: JHL
Issued For Bidding: ..

Drawn By: JMV/TDC
Issued For Construction: ..

Rev	Description	Date	By

Sheet No: C1.02

Project No: ----

SITE DESCRIPTION

1. THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS FOR CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION OF SOCCER FIELDS AND PARKING LOT, INCLUDING CLEARING, EXCAVATION AND GRADING, AND PREPARATION FOR SEEDING, LOCATED IN NE & SE 1/4, SEC. 4, T.76 N., R.2 W., MUSCATINE COUNTY, IOWA
2. THIS SWPPP COVERS AN ESTIMATED 18.4 ACRES WITH AN ESTIMATED 18.4 ACRES BEING DISTURBED.
3. THE SWPPP IS LOCATED PRIMARILY IN THE COLO - CHEQUEST - TITUS SOIL SERIES. THE ESTIMATED RUNOFF COEFFICIENT (C) FOR THE SITE AFTER COMPLETION WILL BE 0.28.
4. REFER TO THIS SHEET FOR SITE MAP INDICATING DRAINAGE PATTERNS, TYPICAL SLOPES, AREAS OF SOIL DISTURBANCE, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS, ETC.
5. RUNOFF FROM THIS SITE WILL BE DISCHARGED TO THE MUSCATINE SLOUGH, TO THE MISSISSIPPI RIVER.

CONTROLS

1. PRIOR TO BEGINNING GRADING, EXCAVATION OR CLEARING AND GRUBBING OPERATIONS, SILT FENCE SHALL BE PLACED ALONG THE PERIMETER OF ALL AREAS TO BE DISTURBED AT ANY LOCATION WHERE RUNOFF CAN MOVE OFFSITE.
2. VEGETATION IN AREAS NOT INCLUDED IN THE CONSTRUCTION AREA SHALL BE PRESERVED.
3. AS AREAS REACH THEIR FINAL GRADE, THE LOCATION OF EROSION CONTROLS MAY NEED TO BE CHANGED OR ADDITIONAL CONTROLS MAY NEED TO BE PLACED.
4. OFF-SITE VEHICLE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. ROADWAYS ADJACENT TO THE PROJECT SITE SHALL BE CLEANED OF SEDIMENT DAILY.
5. STABILIZATION PRACTICES, INCLUDING TEMPORARY OR PERMANENT SEEDING AND/OR MULCHING SHALL BE INITIATED IMMEDIATELY ON ALL DISTURBED AREAS IF CONSTRUCTION ACTIVITY WILL NOT RESUME IN THOSE AREAS WITHIN 14-DAYS.
6. CONTRACTOR DISPOSAL OF UNUSED CONSTRUCTION MATERIALS AND CONSTRUCTION MATERIAL WASTES SHALL COMPLY WITH APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
7. STOCKPILE AREAS WHICH REMAIN FOR MORE THAN 7 DAYS SHALL BE SEEDED, MULCHED AND ENCLOSED BY SILT FENCE.
8. SLOPES STEEPER THAN 10:1 AND LONGER THAN 20 FEET SHALL BE PROTECTED BY A SHORT TERM EROSION CONTROL BLANKET.
9. DUST CONTROL MEASURES SHALL BE EMPLOYED IF DUST IS CREATED AND THERE IS POTENTIAL FOR AIR AND/OR WATER POLLUTION FROM DUST TRANSPORTED BY WINDS. DUST CONTROL MEASURES SUCH AS SPRINKLING/IRRIGATION, MULCHING, OR OTHER APPROPRIATE MEASURES SHALL BE EMPLOYED AS NECESSARY.
10. THE CONTRACTOR SHALL PLACE ANY OTHER CONTROLS CONSISTENT WITH CURRENT BMP'S AS DEEMED NECESSARY TO CONTROL RUNOFF FROM EXPOSED SITES.
11. THE WORK WILL BE COMPLETED WITH THE ESTABLISHMENT OF PERMANENT PERENNIAL VEGETATION WITH A DENSITY OF 70% OR EQUIVALENT STABILIZATION MEASURES ON ALL DISTURBED AREAS.
12. CONTRACTOR MAY LOCATE A PORTABLE REST ROOM FACILITY ONSITE IN A LOCATION WHERE CONTACT WITH STORM WATER DISCHARGE IS MINIMIZED. WASTES SHALL BE COLLECTED AND DISPOSED OF IN COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

MAINTENANCE

1. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL TEMPORARY EROSION CONTROL MEASURES IN PROPER WORKING ORDER, INCLUDING CLEANING, REPAIRING OR REPLACING THEM THROUGHOUT THE CONTRACT PERIOD. CLEANING OF SILT CONTROL DEVICES SHALL BEGIN WHEN THE FEATURES HAVE LOST 50% OF THEIR CAPACITY OR WHEN THE SEDIMENT LEVEL REACHES 1/3 OF THE BARRIER HEIGHT.

INSPECTIONS

1. QUALIFIED PERSONNEL (PROVIDED BY THE DISCHARGER) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN STABILIZED WITH A PERENNIAL, VEGETATIVE COVER OF SUFFICIENT DENSITY TO PRECLUDE EROSION AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
2. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS SHALL BE INSPECTED FOR EVIDENCE OF POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING PROPERLY. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR OFFSITE SEDIMENT TRACKING. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
3. THE CONTRACTOR SHALL IMMEDIATELY BEGIN CORRECTIVE ACTION ON ALL DEFICIENCIES FOUND.
4. THIS INSPECTION MAY REQUIRE REVISIONS TO THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN. THE CONTRACTOR SHALL IMPLEMENT ALL REVISIONS TO THE PLAN DEEMED NECESSARY AND COMPLETE SUCH CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS OF THE INSPECTION.
5. A WRITTEN REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, THE NAMES AND QUALIFICATIONS OF THE INSPECTORS, THE DATE, AND THE OBSERVATIONS MADE AND ACTIONS TAKEN SHALL BE MADE AND RETAINED AS PART OF THE SWPPP. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G OF THE PERMIT.

CERTIFICATION

1. THE PLAN SHALL BE SIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT NO. 2 AND BE RETAINED AT THE CONSTRUCTION SITE FROM THE DATE CONSTRUCTION ACTIVITIES BEGIN TO THE DATE OF FINAL STABILIZATION.
2. ALL CONTRACTORS AND SUBCONTRACTORS WHOSE WORK IS A SOURCE OF POTENTIAL POLLUTION AS DEFINED IN THIS SWPPP MUST SIGN THE CERTIFICATION STATEMENT.

OWNER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PEOPLE PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED UPON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND COMPLETE. I FURTHER CERTIFY THAT THE TERMS AND CONDITIONS OF THE GENERAL PERMIT WILL BE MET. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME: _____ TITLE: _____
PRINTED

SIGNATURE: _____ DATE: _____

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE AS PART OF THIS CERTIFICATION. FURTHER, BY MY SIGNATURE, I UNDERSTAND THAT I AM BECOMING A CO-PERMITEE, ALONG WITH THE OWNER(S) AND OTHER CONTRACTORS AND SUBCONTRACTORS SIGNING SUCH CERTIFICATIONS, TO THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2 FOR "STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR CONSTRUCTION ACTIVITIES" AT THE IDENTIFIED SITE. AS A CO-PERMITEE, I UNDERSTAND THAT I, AND MY COMPANY, ARE LEGALLY REQUIRED UNDER THE CLEAN WATER ACT AND THE CODE OF IOWA, TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN DEVELOPED UNDER THIS NPDES PERMIT AND THE TERMS OF THIS NPDES PERMIT. CONSTRUCTION ACTIVITY ASSOCIATED WITH THE CONSTRUCTION OF SOCCER FIELDS AND PARKING LOT, MUSCATINE COUNTY, IOWA.

NAME	TITLE	DATE
CONTRACTING FIRM: _____		
ADDRESS: _____		TELEPHONE: _____

NAME	TITLE	DATE
CONTRACTING FIRM: _____		
ADDRESS: _____		TELEPHONE: _____

SOIL COMPACTION/TOPSOIL PRESERVATION

THE PERMITTEE(S) SHALL MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL. "INFEASIBLE" SHALL MEAN NOT TECHNOLOGICALLY POSSIBLE, OR NOT ECONOMICALLY PRACTICABLE AND ACHIEVABLE IN LIGHT OF THE BEST INDUSTRY PRACTICES. "UNLESS INFEASIBLE, PRESERVE TOPSOIL" SHALL MEAN THAT, UNLESS INFEASIBLE, TOPSOIL FROM ANY AREAS OF THE SITE WHERE THE SURFACE OF THE GROUND FOR THE PERMITTED CONSTRUCTION ACTIVITIES IS DISTURBED SHALL REMAIN WITHIN THE AREA COVERED BY THE APPLICABLE GENERAL PERMIT NO. 2 AUTHORIZATION. MINIMIZING SOIL COMPACTION IS NOT REQUIRED WHERE THE INTENDED FUNCTION OF A SPECIFIC AREA OF THE SITE DICTATES THAT IT BE COMPACTED. PRESERVING TOPSOIL IS NOT REQUIRED WHERE THE INTENDED FUNCTION OF A SPECIFIC AREA OF THE SITE DICTATES THAT TOPSOIL BE DISTURBED OR REMOVED. SEE PART V.D.2.A.(2).(C) OF THE PERMIT FOR COMPLETE REQUIREMENTS.

KEEPING PLANS CURRENT

THIS SWPPP WAS PREPARED PRIOR TO THE COMMENCEMENT OF SOIL DISTURBING ACTIVITIES. THE PERMITEE SHALL AMEND THE PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES AND WHICH HAS NOT BEEN ADDRESSED IN THE PLAN OR IF THE SWPPP PROVES TO BE INEFFECTIVE. SEE PART IV.C OF THE PERMIT FOR COMPLETE REQUIREMENTS REGARDING UPDATING OF THE SWPPP.

GENERAL NOTES

1. ALL CONTRACTORS/SUBCONTRACTORS SHALL CONDUCT THEIR OPERATIONS IN A MANNER THAT MINIMIZES EROSION AND PREVENTS SEDIMENT FROM LEAVING THE PROJECT SITE. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE AND IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THEIR ENTIRE CONTRACT. THIS RESPONSIBILITY SHALL BE FURTHER SHARED WITH SUBCONTRACTORS WHOSE WORK IS A SOURCE OF POTENTIAL POLLUTION AS DEFINED IN THIS SWPPP.
 2. A "NOTICE OF INTENT FOR NPDES COVERAGE UNDER GENERAL PERMIT NO. 2" HAS BEEN FILED WITH THE IOWA DEPARTMENT OF NATURAL RESOURCES.
 3. NOTICE OF DISCONTINUATION
WITHIN 30 DAYS AFTER FINAL STABILIZATION, THE OPERATOR OR OWNER OF THE FACILITY SHALL SUBMIT A NOTICE OF DISCONTINUATION TO THE IOWA DEPARTMENT OF NATURAL RESOURCES.
 4. NON-STORM WATER DISCHARGES
NON-STORM DISCHARGES MAY OCCUR FROM SUBSURFACE DRAINS INCORPORATED INTO THE PROJECT. THESE DISCHARGES WILL BE CONTROLLED BY STABILIZED OUTLETS.
- SEQUENCE
1. INSTALL CONSTRUCTION ENTRANCE
 2. PLACE PERIMETER AND DOWNSLOPE CONTROLS
 3. PROCEED WITH GRADING AND EXCAVATION
 4. COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE
 5. SEED DISTURBED AREA AS SOON AS POSSIBLE ONCE IT IS BROUGHT TO FINAL GRADE
 6. MAINTAIN ALL TEMPORARY PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FINALLY STABILIZED.

SEQUENCE

1. INSTALL CONSTRUCTION ENTRANCE
2. PLACE PERIMETER AND DOWNSLOPE CONTROLS
3. PROCEED WITH GRADING AND EXCAVATION
4. COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE
5. SEED DISTURBED AREA AS SOON AS POSSIBLE ONCE IT IS BROUGHT TO FINAL GRADE
6. MAINTAIN ALL TEMPORARY PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FINALLY STABILIZED.

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EROSION CONTROL DETAILS

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

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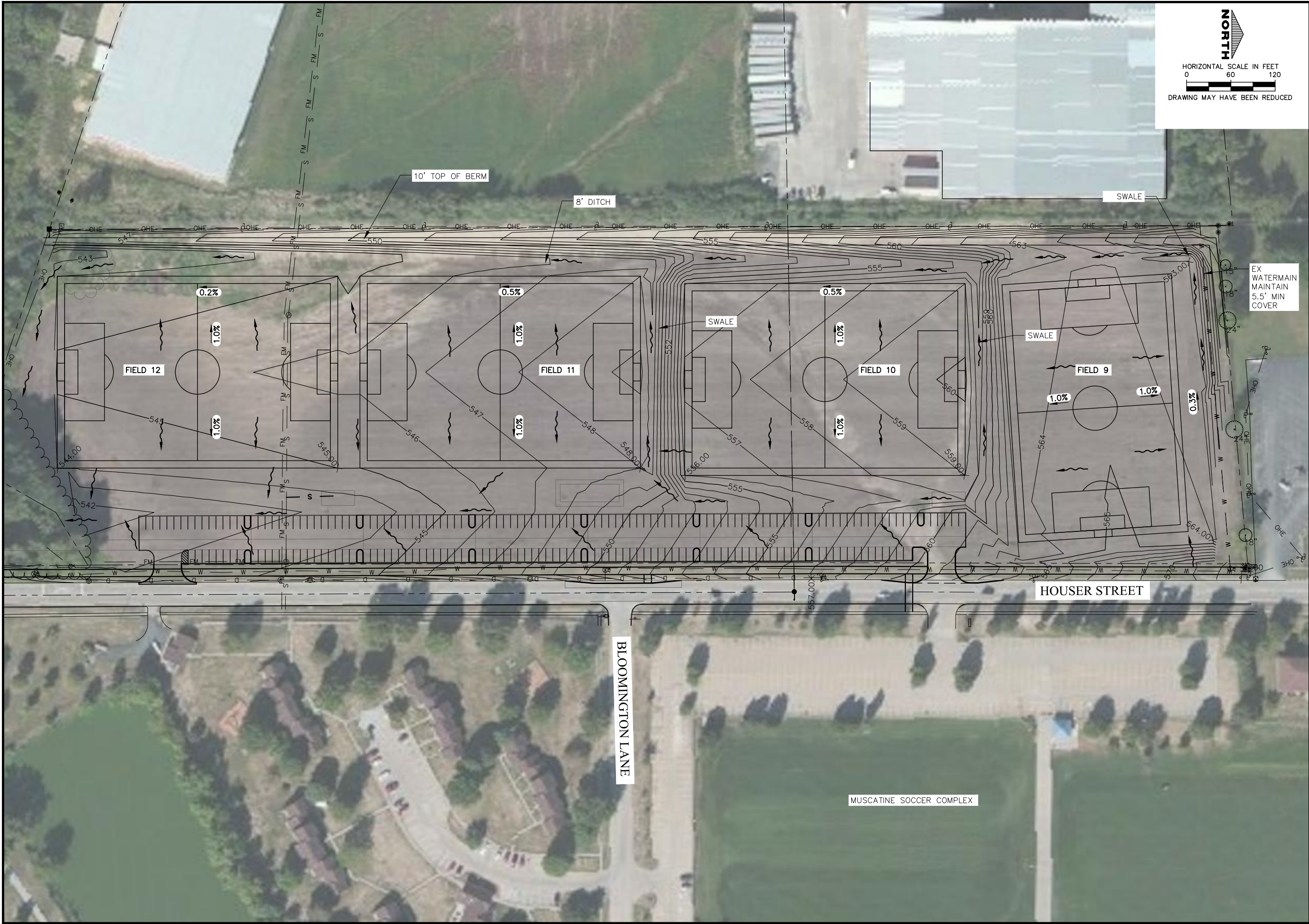
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Project Mgr: JHL		Issued For Construction: ..	
Rev	Description	Date	By
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Project No: ---



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GRADING
PLAN

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

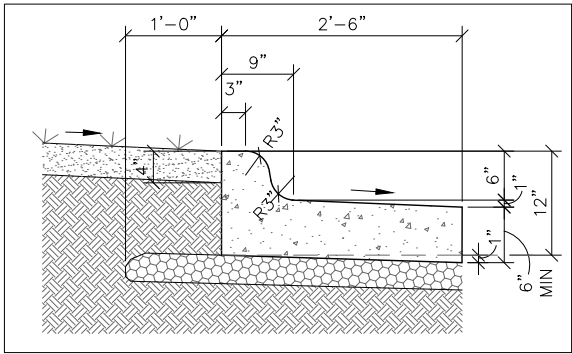
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Drawn By: JMV/TDC
Issued For Construction: .
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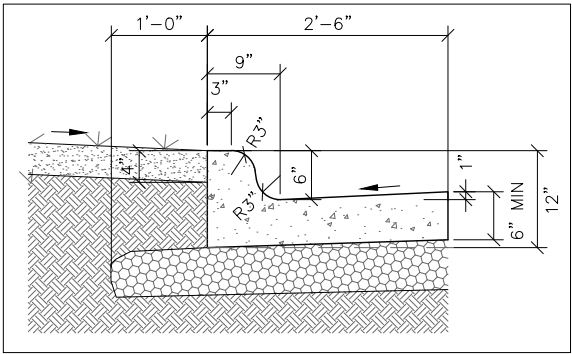
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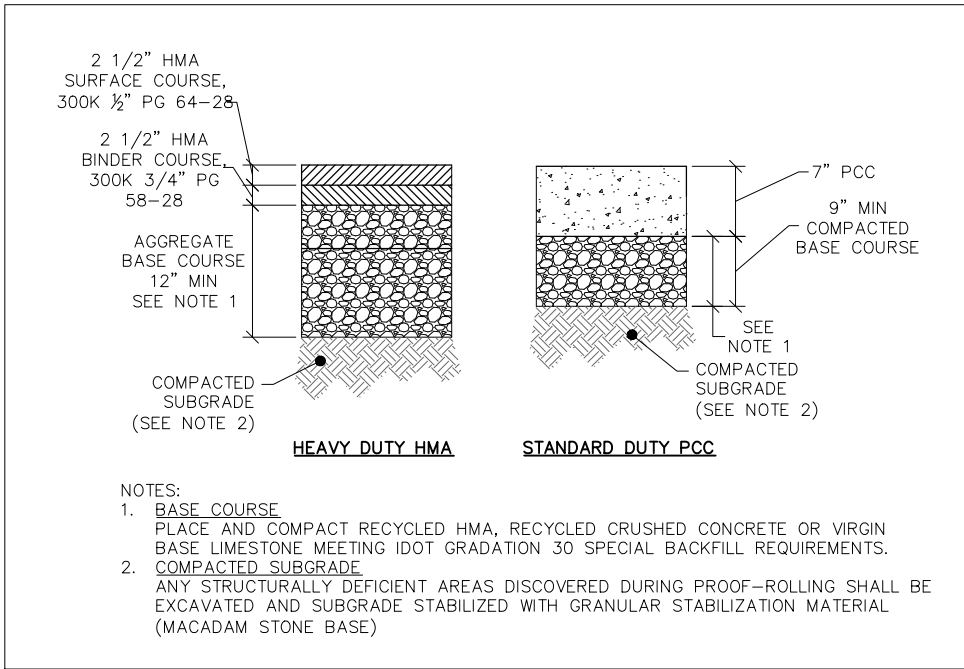
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1 CURB & GUTTER-REJECT
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2 CURB & GUTTER-STANDARD
C6.01 NOT TO SCALE



18 CONCRETE PAVING
C6.01 TYPICAL SECTION NOT TO SCALE

**PAVING & STORM
DETAILS**

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

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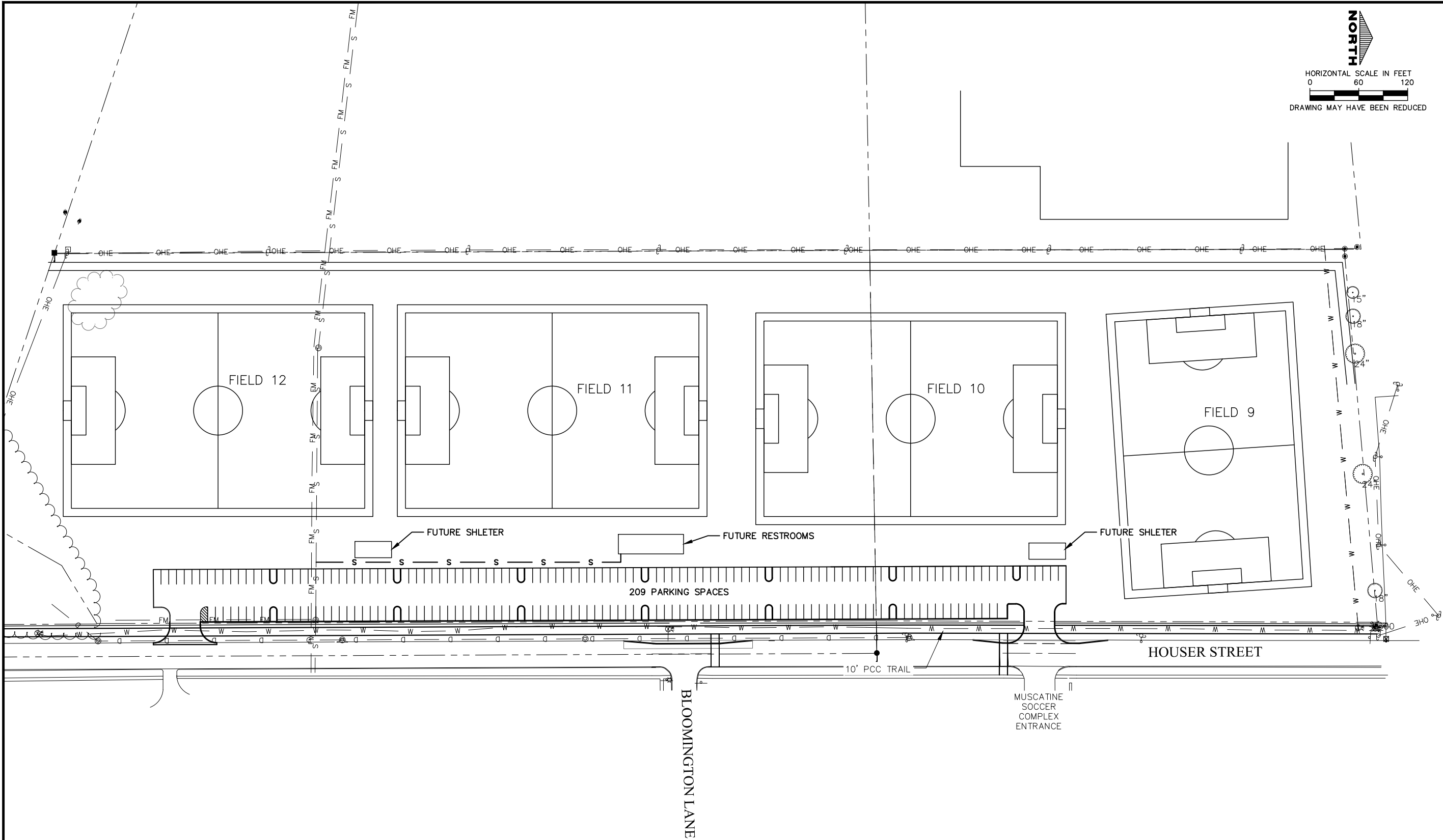
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**PAVING & STORM
OVERALL PLAN**

HOUSER STREET PARKING EXPANSION
AND ATHLETIC FIELD GRADING PROJECT
MUSCATINE, IOWA

Project Description

Drawing Issue Information		Project Mgr: JHL		Drawn By: JMV/TDC	
Project Mgr: JHL		Issued For Bidding: .		Issued For Construction: .	
Rev	Description	Date	By		

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