

LEWIS CENTRAL COMMUNITY SCHOOLS
3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503
MIDDLE SCHOOL PARKING LOT IMPROVEMENT

APPROXIMATE QUANTITIES

ITEM NO.	BID ITEM DESCRIPTION	AQ		FINAL QUANTITY	
1.	MOBILIZATION	1	LS		LS
2.	EXCAVATION, CLASS 10 (BORROW)	8,520	CY		CY
3.	PAVEMENT REMOVAL	16,220	SY		SY
4.	REMOVAL OF SIDEWALK	1,310	SY		SY
5.	REMOVE AND REPLACE SHARED USE PATH	40	SY		SY
6.	REMOVE MANHOLE	1	EA		EA
7.	REMOVE INTAKE	3	EA		EA
8.	REMOVAL OF STRUCTURE, STORM SEWER FES	1	EA		EA
9.	REMOVAL OF STORM SEWER, (CPP, 8")	90	LF		LF
10.	REMOVAL OF STORM SEWER, (CMP,15")	800	LF		LF
11.	FIRE HYDRANT ASSEMBLY REMOVAL	1	EA		EA
12.	REMOVAL OF ROCK	150	SY		SY
13.	REMOVAL OF LANDSCAPING TIMBERS	100	LF		LF
14.	REMOVAL OF BOLLARD	4	EA		EA
15.	REMOVAL OF TRENCH DRAIN	4	EA		EA
16.	REMOVE, SALVAGE, AND RELOCATE BENCH	6	EA		EA
17.	REMOVE, SALVAGE, AND RELOCATE GUARDRAIL	60	LF		LF
18.	REMOVE, SALVAGE, AND RELOCATE SIGN	16	EA		EA
19.	REMOVAL OF FENCE	325	LF		LF
20.	STORM SEWER, TRENCHED, HDPE, 6"	20	LF		LF
21.	STORM SEWER, TRENCHED, HDPE, 8"	20	LF		LF
22.	STORM SEWER, TRENCHED, HPDE, 15"	110	LF		LF
23.	STORM SEWER, TRENCHED, HPDE, 18"	100	LF		LF
24.	STORM SEWER, TRENCHED, HPDE, 24"	90	LF		LF
25.	STORM SEWER, TRENCHED, RCP, 30" X 19"	840	LF		LF
26.	PIPE APRON, RCP, 30" ELLIPTICAL	1	EA		EA
27.	MANHOLE, RECTANGULAR STORM SEWER MANHOLE, 60" X 48"	12	VF		VF
28.	INTAKE, NYLOPLAST DRAIN BASIN, 18" I.D.	1	EA		EA
29.	INTAKE, NYLOPLAST DRAIN BASIN, 24" I.D.	2	EA		EA
30.	INTAKE, RECTANGULAR CIP AREA INTAKE, 48" X 48"	1	EA		EA
31.	INTAKE, RECTANGULAR CIP AREA INTAKE, 60" X 48"	1	EA		EA
32.	MANHOLE ADJUSTMENT, MINOR	10	EA		EA
33.	FIRE HYDRANT ASSEMBLY	1	EA		EA
34.	EXPLORATORY EXCAVATION	20	HR		HR
35.	UTILITY RELOCATION ALLOWANCE	1	LS		LS
36.	CLEAN OUT STORM SEWER, 18"	150	LF		LF
37.	PAVEMENT, PCC, 7", CV-SUD-15	15,970	SY		SY
38.	SIDEWALK, PCC, 5"	3,180	SY		SY
39.	SUBGRADE PREPARATION	19,150	SY		SY
40.	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE – YELLOW	10,640	LF		LF
41.	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE – GREEN	44,670	SF		SF
42.	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE – BLUE	3,040	SF		SF
43.	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE – RED	580	LF		LF
44.	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE – STRAIGHT	1	EA		EA
45.	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE – LEFT TURN	1	EA		EA
46.	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE – RIGHT TURN	1	EA		EA
47.	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE – LEFT THRU	1	EA		EA
48.	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE – RIGHT THRU	2	EA		EA
49.	TEMPORARY TRAFFIC CONTROL	1	LS		LS
50.	TRAFFIC SIGNS, STOP SIGN	1	EA		EA
51.	TRAFFIC SIGNS, YIELD TO BUS	1	EA		EA
52.	CHAIN LINK FENCE, RESIDENTIAL, GALVANIZED, 6' TALL	420	LF		LF
53.	GATES, GALVANIZED, 8' WIDE	1	EA		EA
54.	GATES, GALVANIZED, 20' WIDE	1	EA		EA
55.	SEGMENTAL BLOCK RETAINING WALL	85	SF		SF
56.	CONSTRUCT THICKENED EDGE	180	LF		LF
57.	CONSTRUCT TRAFFIC CALMING DEVICE – SPEED BUMP	4	EA		EA
58.	PRECAST CONCRETE WHEEL STOP	6	EA		EA
59.	CONSTRUCT ACCESSIBLE STALL PAVEMENT MARKINGS AND SIGNAGE	12	EA		EA
60.	CONSTRUCT TRENCH DRAIN WITH SOLID COVER	45	LF		LF
61.	CONSTRUCT BOLLARD	8	EA		EA
62.	CONSTRUCT CURB RAMP	4	EA		EA
63.	DRILL AND EPOXY 18" #5 EPOXY COATED TIE BARS AT 36" CENTERS	65	EA		EA
64.	CONVENTIONAL SEEDING, CLASS U2-URBAN	1	AC		AC
65.	SILT FENCE	1,380	LF		LF
66.	SILT FENCE, REMOVAL OF SEDIMENT	1,380	LF		LF
67.	SILT FENCE, REMOVAL OF DEVICE	1,380	LF		LF
68.	TRACK OUT CONTROL	15	TN		TN
69.	INLET PROTECT DEVICE, DROP-IN INTAKE	6	EA		EA
70.	SITE LIGHTING	1	LS		LS

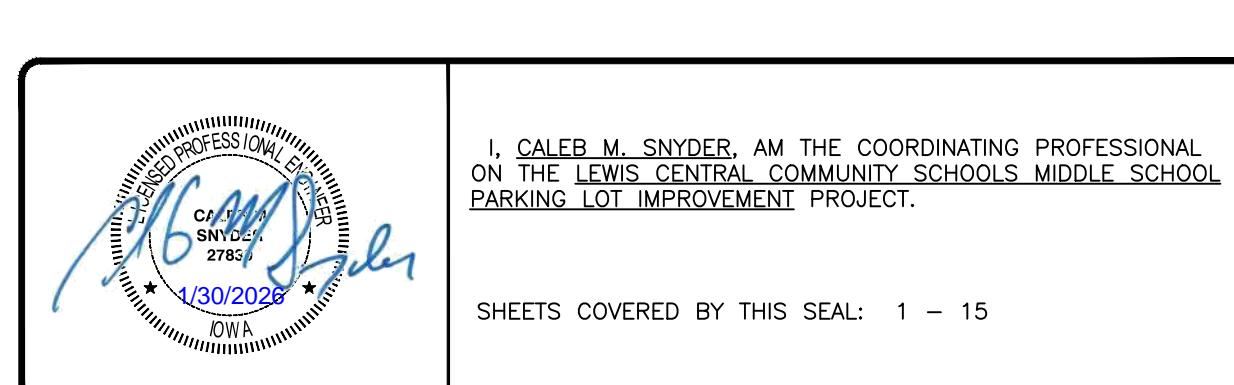
INDEX OF SHEETS

SHEET NUMBER	SHEET TITLE	ORIGINAL DATE	REVISED DATE
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2	LEGEND	01-29-2026	
3	ORIGINAL TOPOGRAPHIC SURVEY (FOR INFORMATIONAL PURPOSES ONLY)	01-29-2026	
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18	ELECTRICAL SITE PLAN – NEW WORK	01-29-2026	

GENERAL NOTES

1. SITE SHALL BE AVAILABLE MAY 01, 2026 AND ALL WORK SHALL BE SUBSTANTIALLY COMPLETE BY AUGUST 07, 2026. WORK SHALL BE COMPLETED IN PHASES IN ORDER TO MAINTAIN ACCESS TO THE SCHOOL AND ATHLETIC FIELDS AT ALL TIMES.
2. ALL SITE WORK SHALL BE IN ACCORDANCE WITH THE "IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) DESIGN MANUAL, CURRENT EDITION" AND ANY CITY OF COUNCIL BLUFFS REVISIONS OR AMENDMENTS THERETO SHALL APPLY TO THIS PROJECT. EXCEPT AS MODIFIED BY THESE SPECIFICATIONS, SPECIAL CONDITIONS, AND/OR THE CONSTRUCTION DRAWINGS.
3. EXISTING UTILITIES ARE SHOWN AS A CONVENIENCE FOR THE CONTRACTOR. THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITIES MAY NOT BE INDICATED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE WORK IS STARTED TO VERIFY UTILITY LOCATIONS (ONE CALL 1-800-292-8989).
4. BARRICADES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
5. THE CONTRACTOR SHALL PROVIDE THE ENGINEER/ARCHITECT WITH A CONSTRUCTION RECORD DRAWING INDICATING ALL CHANGES IN GEOMETRY, GRADES, ELEVATIONS OR MATERIAL ON THE PROJECT PRIOR TO FINAL ACCEPTANCE.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO COMPLETE THIS PROJECT, BESIDES THE GRADING PERMIT, AND IS RESPONSIBLE FOR THE PAYMENT OF ALL FEES ASSOCIATED WITH THESE PERMITS.
7. THE CONTRACTOR SHALL CONTACT THE SOILS ENGINEER TO OBSERVE THE SUBGRADE PRIOR TO PLACING PAVEMENT TO DELINEATE ANY AREAS WHERE SUBGRADE OVEREXCAVATION MAY BE REQUIRED.
8. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PROPOSED UTILITY CONNECTIONS WITH THE ARCHITECTURAL CONSTRUCTION DOCUMENTS.
9. THE INSTALLATION OF UTILITIES MAY REQUIRE THE DISTURBANCE OF EXISTING DRAINAGE AND EROSION CONTROL MEASURES. THESE ITEMS MAY INCLUDE LEVEL TERRACES, INTERCEPTOR SWALES, SILT FENCE AND ROCK CONSTRUCTION ENTRANCES. THE CONTRACTOR SHALL MAKE THEMSELVES AWARE OF THE EXISTING SITE CONDITIONS PRIOR TO BIDDING THIS WORK. THE FUNCTION OF THESE ITEMS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION WITH EMPHASIS PLACED ON RESTORING THEIR INTEGRITY PRIOR TO ANY RAINFALL EVENT. AS PART OF THIS CONTRACT, ALL DISTURBED DRAINAGE AND EROSION CONTROL STRUCTURES SHALL BE RESTORED TO GOOD CONDITION AFTER COMPLETION OF THE WORK OR AS DIRECTED BY THE ENGINEER/ARCHITECT.
10. SEE PLAN SHEETS FOR ADDITIONAL NOTES.

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1/30/2020
IOWA
CALEB M. SNYDER
E-27830

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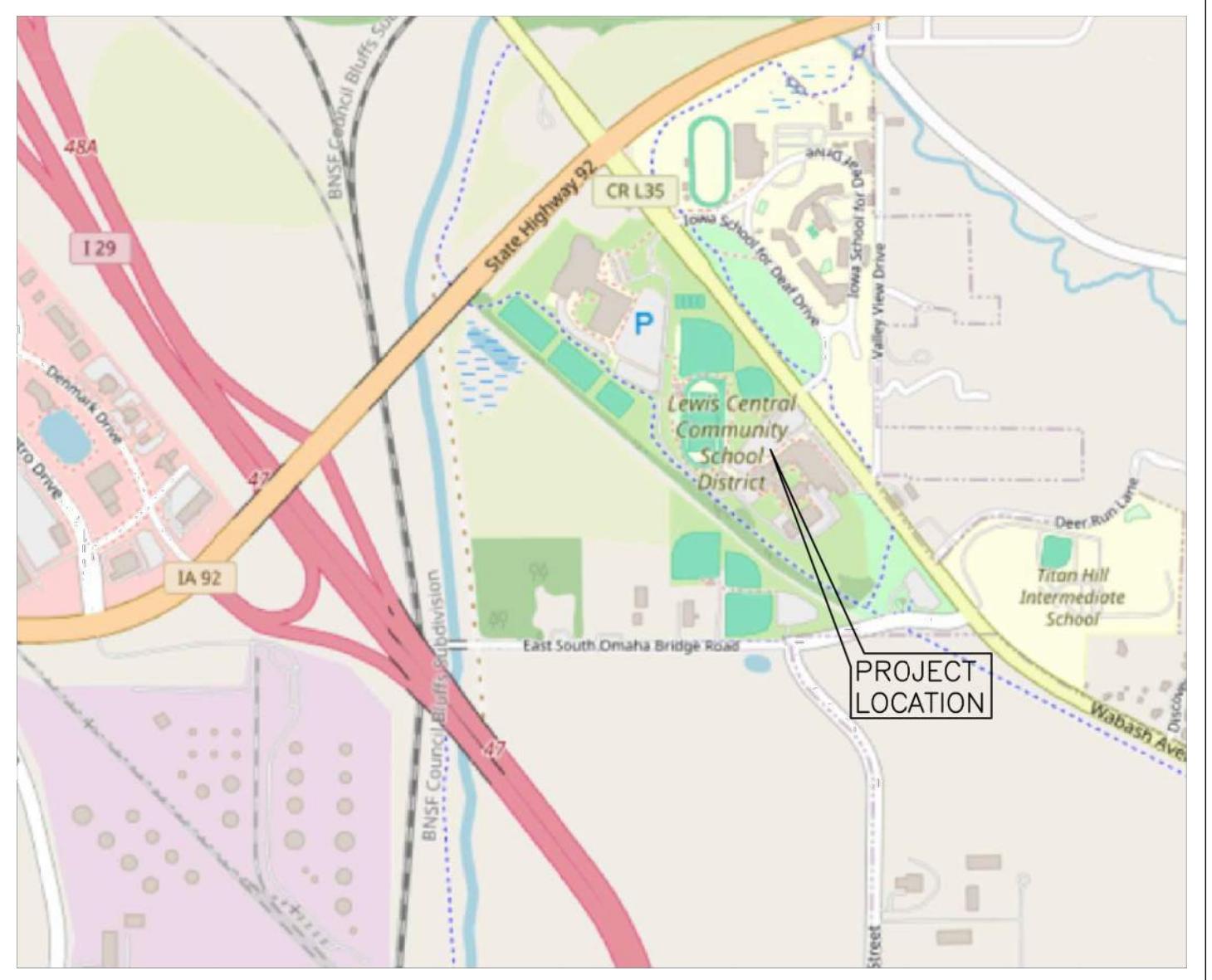
DESIGNER / DRAFTER
AUSTIN HOOPS / JOE HOFERER
DATE
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BOOK AND PAGE
1

SHEET

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EXISTING	
AIR	AIR — AIR — AIR
BUILDING OVERHANG	—
CABLE	CA — CA — CA
CONDUIT	CF — CF — CF
CONSTRUCTION FENCE	—
CREEK FLOW LINE	—
GREEK FLOW DIRECTION	>
DRAIN TILES	DR — DR — DR
ELECTRIC	E — E — E
EFF LINE	EFF — EFF — EFF
FENCE	X — X — X
FENCE — BARBED WIRE	// — // — // — //
FENCE — STEEL	○ — ○ — ○
FENCE — WIRE	~ — ~ — ~ — ~
FENCE — WOOD	[] — []
FIBER OPTICS	FO — FO — FO
FLOOD PLAIN	FP — FP — FP
FLOW ARROW	→ — → — → — →
FLOW LINE	—
FORCE MAIN	FM — FM — FM
GAS	G — G — G
GRAVEL AND DIRT EDGE	— — —
GUARD RAIL	—
IRRIGATION	IRR — IRR — IRR
MAIN DRAIN LINE	MD —
NON POTABLE WATER	NPW — NPW — NPW
OIL	OIL — OIL — OIL
OIL AND GAS	O/G — O/G — O/G
OVERHEAD POWER	OPH — OPH — OPH
OVERHEAD TELEPHONE	OHT — OHT — OHT
OVERHEAD UTILITY	OHU — OHU — OHU
POWER	P — P — P
RAILROAD TRACKS	—
RAW WATER	RW — RW — RW
RECIRCULATION	RECIRC —
ROOF DRAIN	RD — RD — RD
SANITARY SEWER	SS — SS — SS
STORM SEWER	ST — ST — ST
STREAM	—
TELEPHONE	T — T — T
UNDER DRAIN	UD — UD — UD
UNIDENTIFIED UTILITY	UU — UU — UU
UTILITY	U — U — U
VEGETATION LINE	—
WATER	W — W — W
WATERS EDGE	—
RECORD	—
AIR	—R-A— —R-A— —R-A—
CABLE	—R-CA— —R-CA— —R-CA—
ELECTRIC	—R-E— —R-E— —R-E—
FIBER OPTIC	—R-FO— —R-FO— —R-FO—
GAS	—R-G— —R-G— —R-G—
SANITARY SEWER	—R-SS— —R-SS— —R-SS—
STORM SEWER	—R-ST— —R-ST— —R-ST—
TELEPHONE	—R-T— —R-T— —R-T—
UNDERGROUND POWER	—R-UGP— —R-UGP—
UTILITY	—R-U— —R-U— —R-U—
WATER	—R-W— —R-W— —R-W—

PROPOSED	
UTILITY	
AIR	AIR — AIR — AIR
CABLE	CA — CA — CA
CONDUIT	—
CONSTRUCTION FENCE	CF — CF — CF
DRAIN TILES	DR — DR — DR
FENCE	X — X — X
FENCE — BARBED WIRE	// — // — // — //
FENCE — STEEL	○ — ○ — ○
FENCE — WIRE	~ — ~ — ~ — ~
FENCE — WOOD	[] — []
FIBER OPTICS	FO — FO — FO
FLOW ARROW	→ — → — → — →
FORCE MAIN [SINGLE LINE]	FM — FM — FM
FORCE MAIN [DOUBLE LINE]	8"FM —
GAS	G — G — G
GRAVEL AND DIRT EDGE	— — —
IRRIGATION	IRR — IRR — IRR
LIMITS OF CONSTRUCTION	—
NON POTABLE WATER	NPW — NPW — NPW
OIL	OIL — OIL — OIL
OIL AND GAS	O/G — O/G — O/G
POWER	P — P — P
RAW WATER	RW — RW — RW
ROOF DRAIN	RD — RD — RD
SANITARY SEWER [SINGLE LINE]	SS — SS — SS
SANITARY SEWER [DOUBLE LINE]	8"SS —
SANITARY SERVICE RISER	8"SS —
STORM SEWER [SINGLE LINE]	ST — ST — ST
STORM SEWER [DOUBLE LINE]	18"ST —
TELEPHONE	T — T — T
UNDER DRAIN	UD — UD — UD
UTILITY	U — U — U
WATER [SINGLE LINE]	W — W — W
WATER [DOUBLE LINE]	6"W —
DROP MANHOLE	—
SLOTTED UNDER DRAIN	8"DR —
WATER	2"W —
AIR TAP	—
FIRE HYDRANT	—
TEE	H —
BEND	H —
REDUCER	I —
VALVE GATE	I —
MANHOLE	○ — ○
FLARED END SECTION	—
CURB INLET	—
AREA INLET	—
GRAVE INLET	—
CONTOUR	—
FUTURE CONTOUR	—
EXISTING CONTOUR	—
WETLANDS AREA NOT TO BE DISTURBED	—
FILL AREA	—
STABILIZED ACCESS ROAD	—
VEGETATED BUFFER STRIP	—
SPOT ELEVATION	1000.00 —
LIMITS OF DISTURBED AREA	LDA — LDA — LDA —
FLOOD PLAIN	FP — FP — FP —
DRAINAGE	
100 YEAR	100 YR — 100 YR —
500 YEAR	500 YR — 500 YR —
2 YEAR EGL	2YR EGL — 2YR EGL —
5 YEAR EGL	5YR EGL — 5YR EGL —
10 YEAR EGL	10YR EGL — 10YR EGL —
100 YEAR EGL	100YR EGL — 100YR EGL —
2 YEAR HGL	2YR HGL — 2YR HGL —
5 YEAR HGL	5YR HGL — 5YR HGL —
10 YEAR HGL	10YR HGL — 10YR HGL —
100 YEAR HGL	100YR HGL — 100YR HGL —
FLOOD WAY	FLDNY — FLDNY —
RIDGE	—
FLOW PATH	—
DRAINAGE AREA NAME	AC: C =
DRAINAGE AREA RUNOFF COEFFICIENT	—
DRAINAGE BASIN DELINEATION	—
DRAINAGE SUB BASIN DELINEATION	—
TIME OF CONCENTRATION DRAINAGE PATH	GRA 254 @ 7.85%
PLATTING	
PROPERTY/BOUNDARY LINE	—
PROPOSED LOT LINE	—
ADJACENT LOT LINE	—
SECTION LINE	—
EASEMENT	—
MONUMENT SET	△
MONUMENT FOUND	●
SECTION CORNER	○
COMPUTED CORNER	☆
WITNESS CORNER	□
GENERAL ABBREVIATIONS	
ADA	AMERICANS WITH DISABILITIES ACT
ASPH	ASPHALT
BC	BACK OF CURB
BOSW	BACK OF WALK
BP	BOTTOM OF PIPE
BW	BOTTOM OF WALL
(C)	COMPUTED DIMENSION
CATV	CABLE TELEVISION
CF	CUBIC FOOT
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CP	CONTROL POINT
CPP	CORRUGATED PLASTIC PIPE
CY	CUBIC YARD
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
E	EAST
ELEV	ELEVATION
EGG	EDGE OF GRAVEL
FES	FLARED END SECTION
FF	FINISH FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
G	GUTTER
GB	GRADE BREAK
HP/LP	HIGH POINT/LOW POINT
HORIZ	HORIZONTAL
HPC	HORIZONTAL POINT OF CURVATURE
HPI	HORIZONTAL POINT OF INTERSECTION
HPT	HORIZONTAL POINT OF TANGENCY
HPCC	HORIZONTAL POINT OF COMPOUND CURVATURE
HPRC	HORIZONTAL POINT OF REVERSE CURVATURE
IE	INVERT ELEVATION
LF	LINEAR FEET
(M)	MEASURED DIMENSION
MH	MANHOLE
ME	MATCH EXISTING
N	NORTH
N.T.S.	NOT TO SCALE
OT	OPEN TOP PIPE
(P)	PLAT DIMENSION
PL	PROPERTY LINE
PT	PINCHED TOP PIPE
P.V.C.	POLYVINYL CHLORIDE
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
X 1020.12	SPOT ELEVATION



**ORIGINAL TOPOGRAPHIC SURVEY
(FOR INFORMATIONAL PURPOSES ONLY)**

LEWIS CENTRAL COMMUNITY SCHOOLS - 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 - MIDDLE SCHOOL PARKING LOT IMPROVEMENT

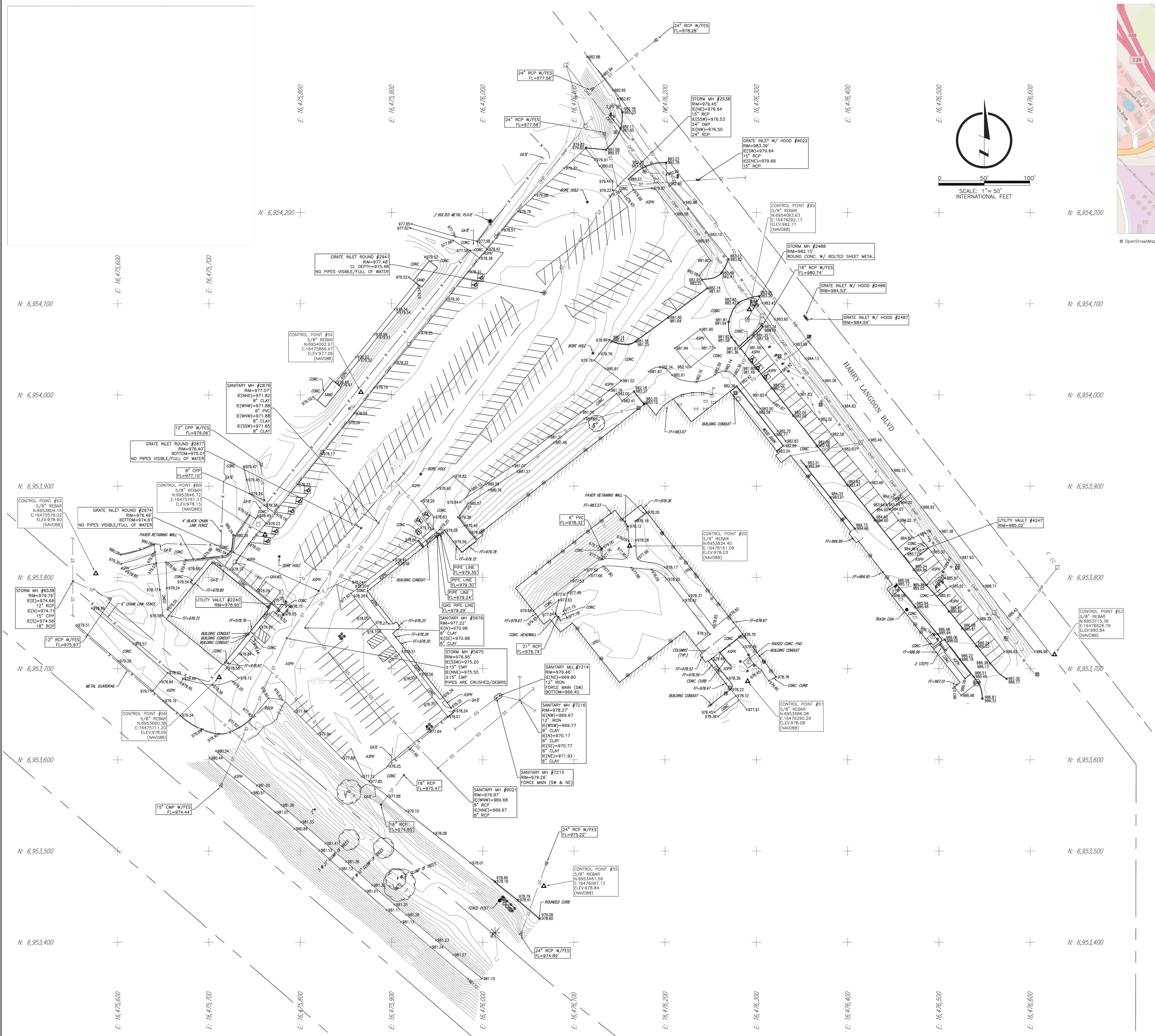
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REVISIONS

DESIGNER / DRAFTER
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SHEET

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HORIZONTAL DATUM NOTE

COORDINATES ARE BASED ON ZONE 6, OF THE IOWA REGIONAL LOW DISTORTION COORDINATE SYSTEM, NAD83, INTERNATIONAL FEET.

BENCHMARK NOTE

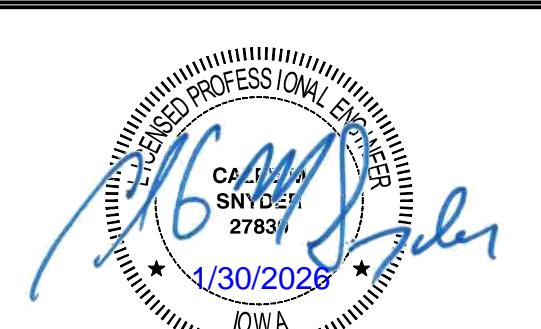
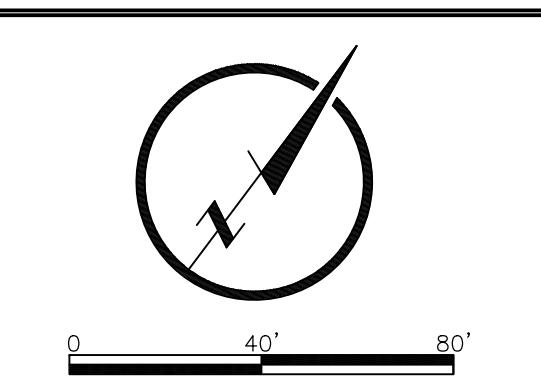
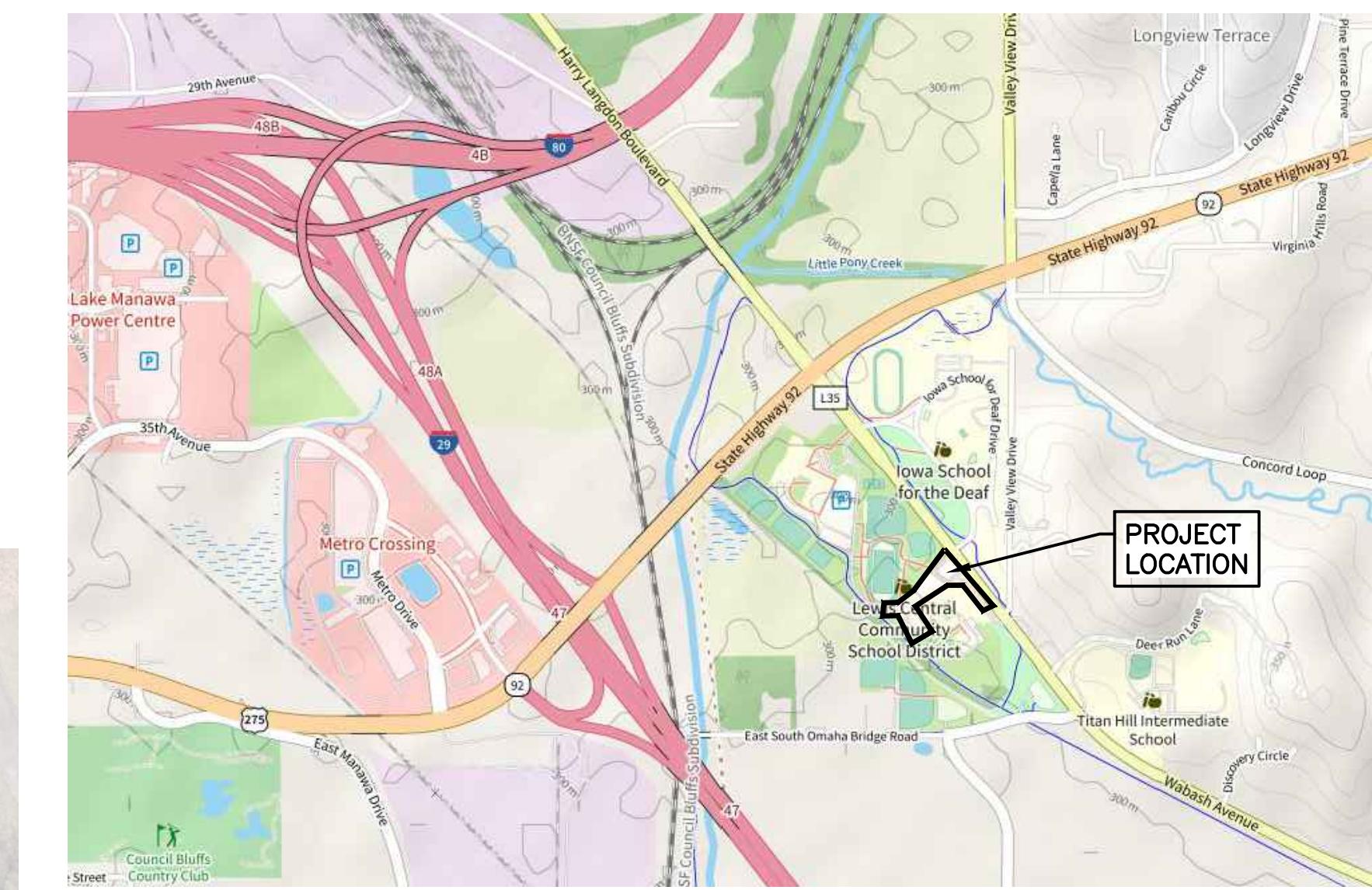
ELEVATIONS SHOWN WERE DETERMINED FROM THE IOWA REAL TIME GPS NETWORK (iRTN), AND ARE REFERENCED TO NAVD88, GEOD 12A.

UTILITY NOTES

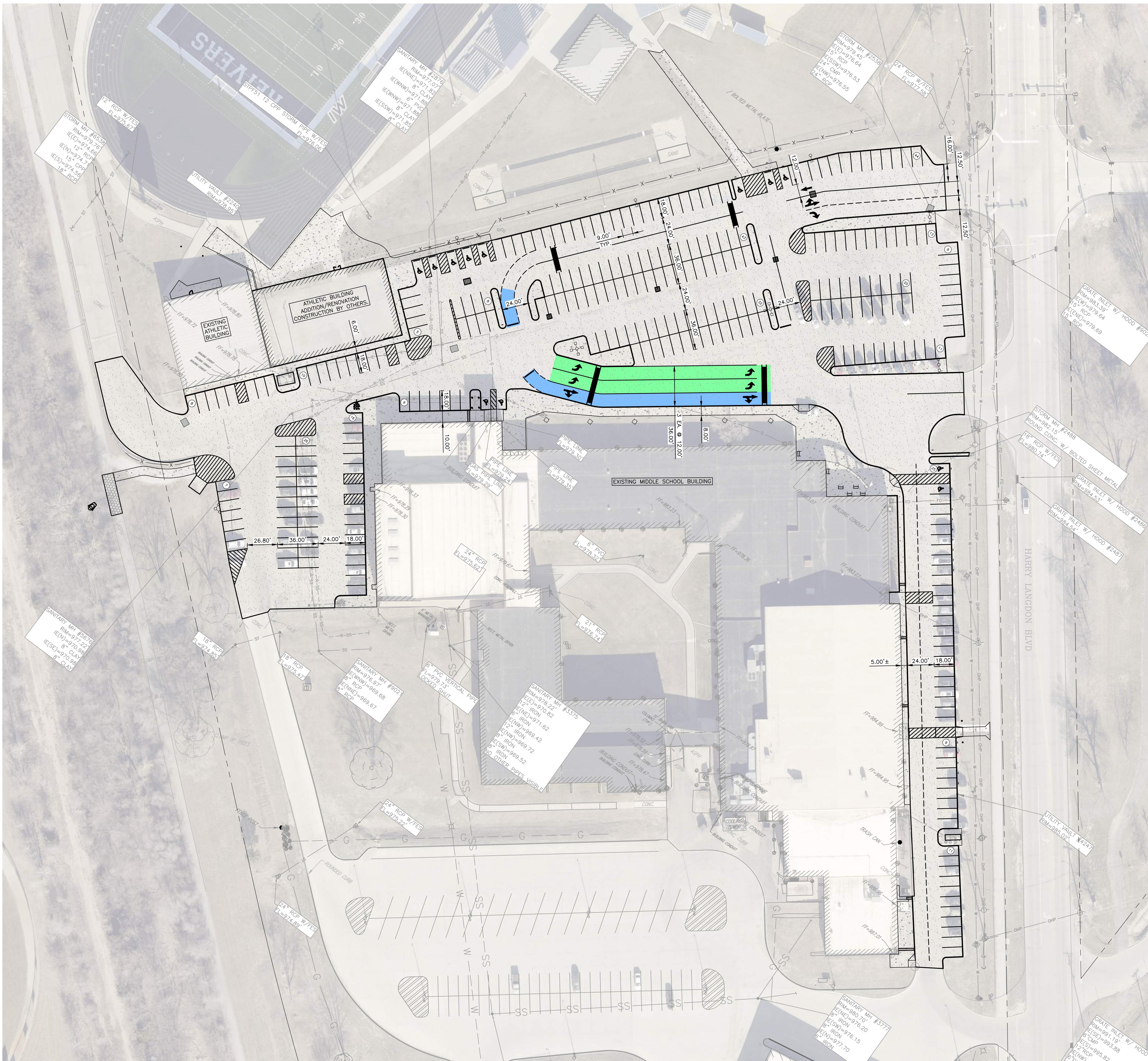
1. THIS DRAWING INCLUDES OBSERVED EVIDENCE OF SERVICES AND UTILITIES EVIDENT AT THE TIME OF SURVEY, RECORD LOCATIONS PROVIDED BY THOSE COMPANIES ACCORDING TO OUR REQUESTS, AND THOSE MARKED BY "ONE CALL" LOCATORS. NO RESPONSIBILITY OR LIABILITY IS ASSUMED BY THE SURVEYOR FOR THE FAILURE TO SHOW ANY BURIED SERVICE AND/OR UTILITY LINES EVEN THOUGH THEY MAY EXIST. CONTACT "ONE CALL" (211) PRIOR TO ANY EXCAVATION ON THIS SITE.

*TICKET NO. 243441261, DATED 12/19/2024

FOR INFORMATIONAL PURPOSES ONLY

CALEB M. SNYDER
E-27830

LOCATION MAP



SITE LAYOUT PLAN

LEWIS CENTRAL COMMUNITY SCHOOLS – 3820 HARRY LANGDON BOULEVARD
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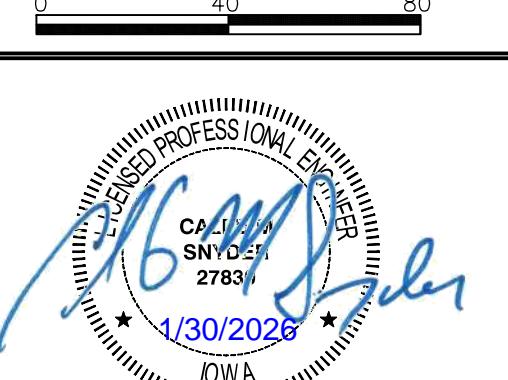
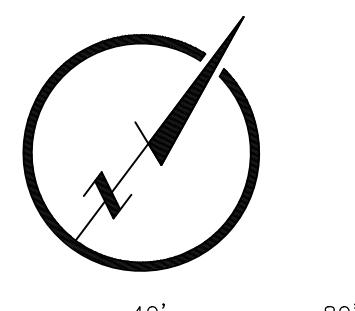
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CALEB M. SNYDER
E-27830

1/30/2026
IOWA

PHASING PLAN

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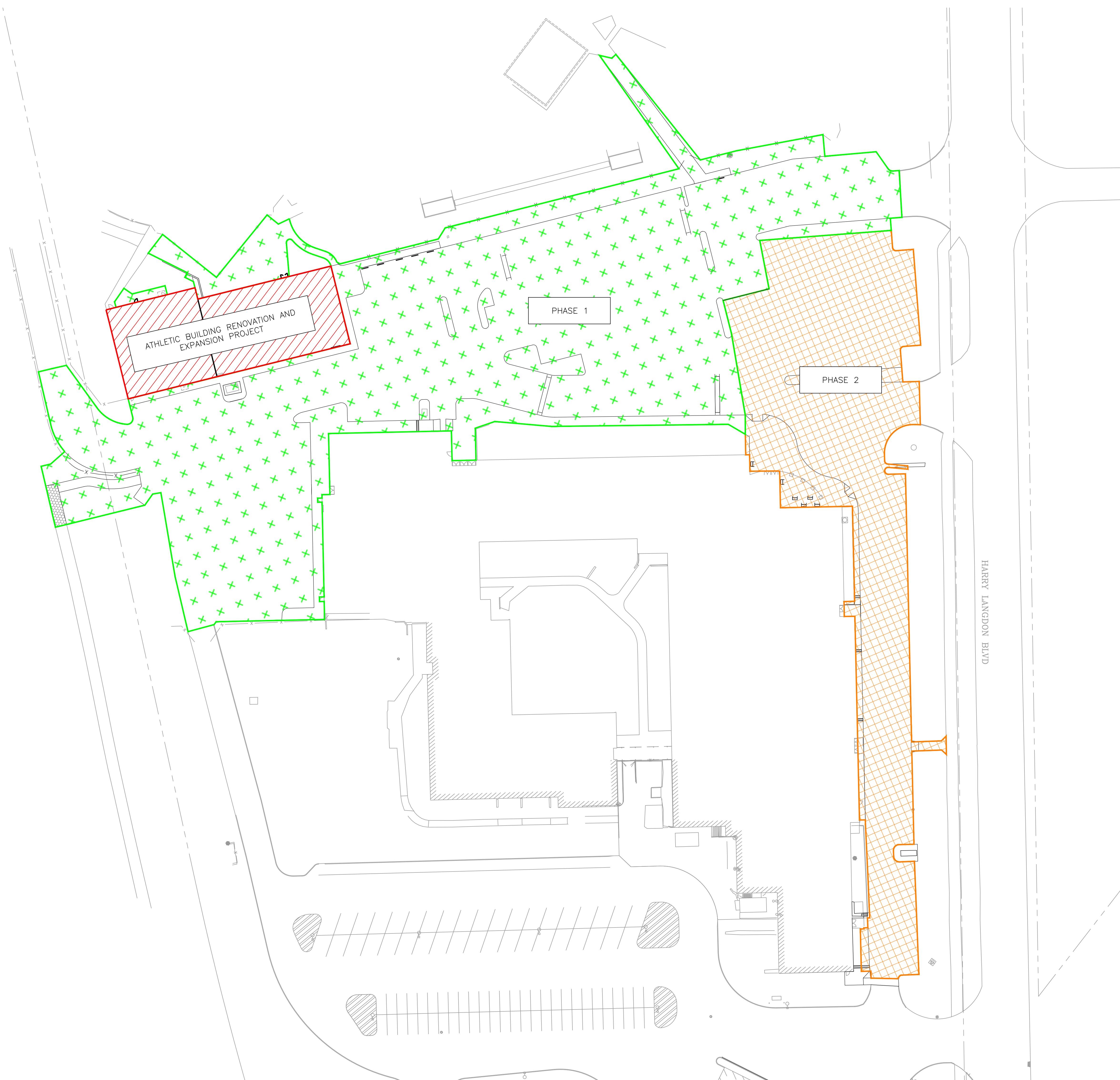
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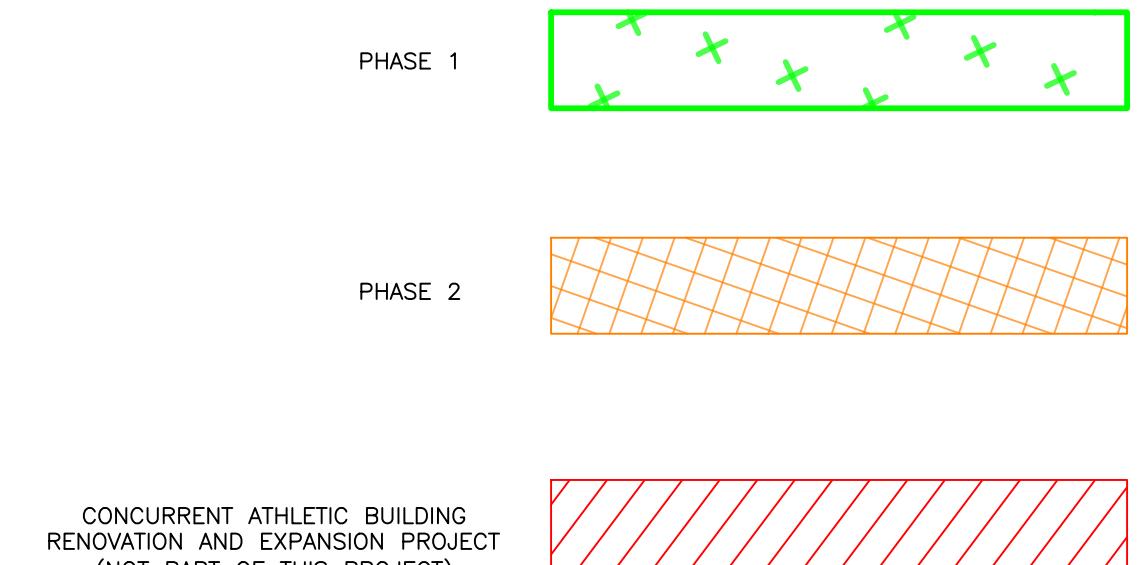
5 OF 16

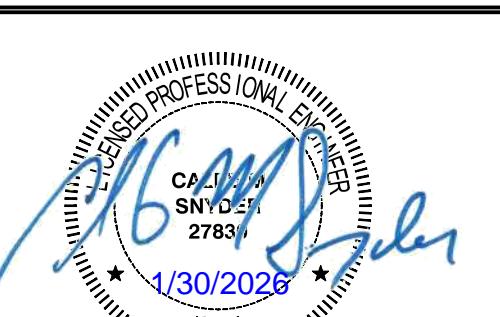
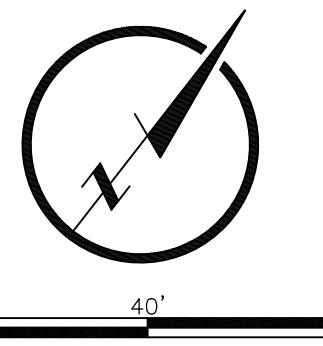


PHASING NOTES:

1. ALL PHASES OF WORK ON SITE SHALL BE SUBSTANTIALLY COMPLETED BY AUGUST 7, 2026.
2. CONSTRUCTION PHASING SHALL APPLY TO THE ENTIRE CONSTRUCTION PROCESS AND SHALL INCLUDE ALL REMOVALS, GRADING, UTILITIES, AND PAVING NECESSARY.
3. CONTRACTOR SHALL MAINTAIN PAVED ACCESS TO THE BUILDING MAIN ENTRANCE AND ATHLETIC FACILITIES THROUGHOUT ALL PHASES OF CONSTRUCTION. ALL SITE WORK MUST BE COMPLETED IN THE CURRENT PHASE BEFORE ANY WORK BEGINS IN THE NEXT PHASE.
4. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND BARRICADES AS NEEDED TO MAINTAIN PEDESTRIAN ACCESS AND PROTECTION. COORDINATE LOCATION OF TEMPORARY BARRICADES WITH ENGINEER. CONTRACTOR SHALL REMOVE TEMP FENCING BETWEEN PROJECT PHASES.
5. CONTRACTOR TO COORDINATE TIMING OF PHASES WITH OWNER TO LIMIT IMPACT TO SCHOOL ACTIVITIES. CONTRACTOR TO COORDINATE ANTICIPATED SCHEDULE WITH OWNER.
6. SEE OTHER SHEETS FOR FURTHER NOTES AND DETAILS REGARDING REMOVALS AND CONSTRUCTION.
7. ATHLETIC BUILDING RENOVATION AND EXPANSION PROJECT IS PLANNED TO BE UNDER CONSTRUCTION STARTING MARCH 2026 AND CONCURRENTLY WITH THE PARKING LOT IMPROVEMENT WORK FOR THE DURATION OF THE CONTRACT. CONTRACTOR TO COORDINATE WITH ATHLETIC BUILDING CONTRACTOR THROUGHOUT ALL PHASES OF THE PROJECT.

LEGEND



CALEB M. SNYDER
E-27830

1/30/2020

IOWA

REMOVAL PLAN

LEWIS CENTRAL COMMUNITY SCHOOLS - 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 - MIDDLE SCHOOL PARKING LOT IMPROVEMENT

REVISIONS

DESIGNER / DRAFTER
AUSTIN HOOPS / JOE HOFERER
DATE
01-29-2026PROJECT NUMBER
0124284-01-020
BOOK AND PAGE

SHEET

6 OF 16

REMOVAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS IN ADVANCE IF EXISTING UTILITIES CONFLICT WITH NEW CONSTRUCTION OR IF TEMPORARY OUTAGES ARE ANTICIPATED, INCLUDING BUT NOT LIMITED TO WATER, GAS, POWER, CABLE TELEVISION, ETC.
2. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO UTILITIES THAT ARE PERMITTED TO REMAIN IN PLACE. DAMAGES DUE DIRECTLY OR INDIRECTLY TO THE CONTRACTOR'S OPERATIONS SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE ENGINEER/ARCHITECT AND THE OWNER OF THE PROPERTY. OWNERS SHALL MAKE PAYMENT TO SUCH OWNERS FOR REPAIRS AS MAY BECOME NECESSARY ON ACCOUNT OF DAMAGES THAT ARE DUE TO THE CONTRACTOR.
3. THE CONTRACTOR SHALL MAKE THEMSELVES AWARE OF ALL EXISTING PERMANENT AND TEMPORARY APPURTENANCES IN THEIR PREMISES AND ASSOCIATED PROBLEMS. CONTRACTOR SHALL COMPENSATE OWNERS FOR ANY DAMAGES INCURRED OR DAMAGE SUSTAINED DUE TO INTERFERENCE FROM THE SAID APPURTENANCES OR THE OPERATION OF DISCONNECTING THEM, INCLUDING THE POSSIBILITY OF UNCOVERING UTILITIES THAT HAVE BEEN ABANDONED AND/OR ARE NOT INDICATED.
4. ALL DEMOLITION RUBBISH WILL BE REMOVED FROM THE SITE BY A LICENSED TRUCKING FIRM, IN COVERED TRUCKS, AND TAKEN TO A LICENSED LANDFILL. ALL THIS WILL BE PAID FOR BY THE CONTRACTOR AND WILL BE PART OF THE CONTRACTOR'S BASE BID.
5. COORDINATION WITH FIRE DEPARTMENTS AND UTILITY COMPANIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. NO BURNING OF MATERIALS WILL BE PERMITTED.
7. THE OWNER SHALL BE GIVEN 5 BUSINESS DAYS NOTICE BEFORE ANY ENTRANCE OR ACCESS DRIVE CLOSURES.
8. THE LIMITS OF DEMOLITION SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE EXACT LIMITS WILL BE MARKED IN THE FIELD BY THE ENGINEER/ARCHITECT.
9. CONTRACTOR SHALL FIRST COORDINATE REMOVAL OF ANY EXISTING UTILITY WITH UTILITY OWNER (GAS, WATER, POWER, ETC.) ALL TELEPHONES, WATER, ELECTRIC AND GAS METERS, AND ASSOCIATED EQUIPMENT SHALL REMAIN THE PROPERTY OF THE VARIOUS UTILITY COMPANIES.
10. EXISTING PAVEMENT SHALL BE SAW-CUT AT LOCATIONS INDICATED AS REQUIRED FOR PAVEMENT REMOVAL. THE SAW-CUT SHALL BE MADE TO THE FULL DEPTH OF THE PAVEMENT.
11. WHERE INDICATED THE EXISTING PAVEMENT SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF THE PROJECT SITE. CONTRACTOR SHALL NOT USE A HEAVY BALL FOR BREAKING UP OF EXISTING PAVEMENT OVER PUBLIC WATER AND GAS MAINS.
12. TRENCH BACKFILL AND ANY SUBGRADE SOILS DISTURBED BY THE PAVEMENT REMOVAL PROCESS SHALL BE RECOMPACTED AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
13. NO TREES SHALL BE REMOVED BEFORE MAY 15 AND JULY 31 IN ACCORDANCE WITH FISH AND WILDLIFE'S RULING ON THE PROTECTION OF THE ENDANGERED LONG-EARED BAT.
14. ANY TREES, BUSHES, OR OTHER VEGETATION THAT IS TO BE NESTING HABITAT TO BE REMOVED DURING THE PRIMARY MIGRATORY BIRD NESTING SEASON (APRIL 1 THROUGH SEPTEMBER 1) REQUIRE A MIGRATORY BIRD SURVEY PRIOR TO REMOVAL. CONTRACTOR SHALL CONDUCT THE SURVEY AND THEIR OPERATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE NEBRASKA DEPARTMENT OF TRANSPORTATION'S MIGRATORY BIRD SURVEY PLAN. MIGRATORY BIRD SURVEYS SHALL BE PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. IF THE CONTRACTOR ELECTS TO REMOVE HABITAT DURING THE NESTING SEASON, THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED BIRD SURVEY TO THE ENGINEER.

R REMOVAL KEYNOTES

- R1 SAWCUT PAVEMENT, FULL DEPTH.
(NOT A SEPARATE PAY ITEM, INCIDENTAL TO PAVEMENT REMOVAL)
- R2 REMOVE PAVEMENT.
- R3 REMOVE SIDEWALK.
- R4 REMOVE FENCE.
- R5 REMOVE ADA PARKING SYMBOL PAINT.
(NOT A SEPARATE PAY ITEM, INCIDENTAL TO PAVEMENT REMOVAL)
- R6 REMOVE, SALVAGE, AND RELOCATE SIGN.
COORDINATE ALL SIGN LOCATION AND REPLACEMENT WITH OWNER.
SEE SHEETS 13 AND 14 FOR LOCATIONS.
- R7 REMOVE SPEED BUMP.
(NOT A SEPARATE PAY ITEM, INCIDENTAL TO PAVEMENT REMOVAL)
- R8 REMOVE FIRE HYDRANT.
SEE UTILITY AND PAVEMENT PLAN FOR LOCATION OF NEW HYDRANT.
- R9 REMOVE BOLLARDS.
- R10 REMOVE DOUBLE SWING GATES.
- R11 REMOVE STORM SEWER STRUCTURE.
- R12 REMOVE STORM SEWER PIPE.
- R13 REMOVE FENCE AND GATES.
- R14 REMOVAL OF OVERHEAD POWER LINES BY OTHERS, COORDINATE WITH MID-AMERICAN ENERGY.
- R15 REMOVAL OF LIGHT POLE BY OTHERS, COORDINATE WITH MID-AMERICAN ENERGY.
- R16 REMOVE ASPHALT OVERLAY.
- R17 REMOVE AND REPLACE SHARED USE PATH TO MATCH EXISTING. CONTRACTOR TO OBTAIN NECESSARY PERMITS AND REQUIRED APPROVALS FROM CITY FOR TRAIL WORK.
- R18 REMOVE ROCK.
- R19 REMOVE, SALVAGE, AND REINSTALL EXISTING GUARDRAIL TO MATCH EXISTING CONDITIONS.
- R20 REMOVE, SALVAGE, AND REINSTALL PEDESTRIAN BENCH. COORDINATE WITH OWNER ON LOCATION OF BENCHES.
- R21 REMOVE TRENCH DRAIN.
- R22 REMOVE LANDSCAPING TIMBERS.
- R23 REMOVE CONCRETE STAIRS AND RAILING.
(NOT A SEPARATE PAY ITEM, INCIDENTAL TO PAVEMENT REMOVAL)

P PROTECT KEYNOTES

- P1 PROTECT PAVEMENT.
- P2 PROTECT BUILDING.
- P3 PROTECT TREE.
- P4 PROTECT STORM SEWER PIPE.
- P5 PROTECT STORM SEWER STRUCTURE.
- P6 PROTECT FENCE.
- P7 PROTECT TRAIL.
- P8 PROTECT FIRE HYDRANT.
- P9 PROTECT GUARD RAIL.
- P10 PROTECT FIBER LINE.
- P11 PROTECT POWER POLE.
- P12 PROTECT OVERHEAD POWER.
- P13 PROTECT UNDERGROUND ELECTRICAL LINE.
- P14 PROTECT WATER LINE.
- P15 PROTECT GATE.
- P16 PROTECT BOLLARDS.
- P17 PROTECT GAS LINE.
- P18 PROTECT LANDSCAPING.
- P19 PROTECT TRAFFIC LIGHT BASE AND POLE.
- P20 PROTECT EXISTING LONG JUMP LANE AND SAND PIT.
- P21 PROTECT UTILITY BOX.
- P22 PROTECT TRANSFORMER.
- P23 PROTECT SIGN.
- P24 PROTECT UTILITY VAULT.
- P25 PROTECT SANITARY SEWER STRUCTURE.
- P26 PROTECT SANITARY SEWER PIPE.
- P27 PROTECT FLAG POLE.
- P28 PROTECT COLUMNS.
- P29 PROTECT RETAINING WALL.
- P30 PROTECT DOWNSPOUT.

UTILITY CONTACTS

SANITARY SEWER:	COUNCIL BLUFFS SEWER DEPARTMENT	712-328-4644
POWER:	MID-AMERICAN ENERGY	888-427-5332
TELEPHONE:	ROBERT KNAPP	402-572-524
CABLE TV:	GREG SORCENFIN	402-934-0444
WATER:	COUNCIL BLUFFS WATER WORKS	712-328-1006
GAS:	CHRIS DEWEY	712-325-3022
PRIVATE:	BLACK HILLS ENERGY	
	LEWIS CENTRAL COMMUNITY SCHOOLS	712-366-8243

XX-XXXX-GR

NOTE:
SEE THIS SHEET FOR EROSION CONTROL MEASURES TO
BE INSTALLED. THESE ARE PROPOSED LOCATIONS. IF THE
CONTRACTOR WISHES TO USE ALTERNATE LOCATIONS IT
MUST BE APPROVED BY THE ENGINEER.

THIS WORK SHALL BE PERFORMED UNDER THE AUTHORIZATION
OF THE EXISTING DNR AIR AUTHORIZATION NUMBER
XX-XXXX-GR. NEEDLESS RAPID ENVIRONMENTAL INSPECTIONS
WILL BE CONDUCTED BY LAMP RYNEARSON UNDER THE
AUTHORITY OF THE EXISTING PERMIT HOLDER.

ELEVATION NOTES

1. PROPOSED CONTOURS ARE FINISHED GRADE/TOP OF PAVEMENT ELEVATIONS. NOT SUBGRADE ELEVATIONS.
2. ALL SPOT ELEVATIONS IN PAVEMENT ARE TOP OF SLAB UNLESS NOTED OTHERWISE.

COMPACTATION REQUIREMENTS TABLE

SEE GEOTECHNICAL ENGINEERING REPORT:	LEWIS CENTRAL MIDDLE SCHOOL PAVEMENT REPLACEMENT		
PREPARED BY:	THIELE GEOTECH, INC 402-556-2171		
ENGINEER:	RAEANNA C.D. THIELE		
PROJECT NO:	24656.01		
DATED:	03/03/2025		
MAX. DEPTH OF LIFT FOR FILL (MEASURED LOOSE)	8"		
AREA	TEST	COMPACTATION	MOISTURE
UTILITY TRENCH BACKFILL (DEPTH < 5')	STANDARD PROCTOR	95%	-3/+4
UTILITY TRENCH BACKFILL (DEPTH > 5')	STANDARD PROCTOR	95%	-3/+4
PCC PAVEMENT SUBGRADE (UPPER 12")	MODIFIED PROCTOR	90%	-3/+4
PAVEMENT SUBGRADE (DEPTH > 12")	STANDARD PROCTOR	95%	-3/+4
MANHOLE + STRUCTURE BACKFILL (FULL DEPTH)	STANDARD PROCTOR	95%	-3/+4
SIDEWALK SUBGRADE (UPPER 6")	STANDARD PROCTOR	95%	-3/+4
ALL OTHER FILL	STANDARD PROCTOR	95%	-3/+4

NOTES:

1. STANDARD PROCTOR SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D 698.
2. MODIFIED PROCTOR SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D 1557.

EROSION CONTROL SUMMARY TABLE

TOTAL AREA OF SITE	30.00 AC.
DISTURBED AREA	4.35 AC.
EROSION CONTROL MEASURES:	
SILT FENCE, ROCK ACCESS ROAD, INLET PROTECTION, AND SEEDING	

⑥ STORMWATER POLLUTION PREVENTION KEYNOTES

NOTE: ALL SWPP-RELATED MEASURES AND BMP'S SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. BMP'S MUST REMAIN IN PLACE UNTIL APPROVED BY THE ENGINEER AND AS APPROVED BY THE EROSION CONTROL INSPECTOR. ALTERNATE LOCATIONS OF SWPP-RELATED MEASURES SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.

- G1 CONSTRUCT TRACT OUT CONTROL IN ACCORDANCE WITH FIGURE 9040.120 OF THE SUDAS SPECIFICATIONS MANUAL. COORDINATE WITH OWNER FOR RELOCATION OF TRACT OUT CONTROL FOR PHASE 2.
- G2 PROPOSED JOB TRAILER LOCATION IF NECESSARY. ANY ALTERNATE LOCATIONS MUST BE APPROVED BY THE ENGINEER AND THE SWPP SHALL BE MODIFIED TO REFLECT CHANGE. SEPARATE PAYMENT SHALL NOT BE MADE FOR JOB TRAILER.
- G3 PROPOSED SANITARY WASTE RECEPTACLE LOCATION IF NECESSARY. ANY ALTERNATE LOCATIONS MUST BE APPROVED BY THE ENGINEER AND THE SWPP SHALL BE MODIFIED TO REFLECT CHANGE. SEPARATE PAYMENT SHALL NOT BE MADE FOR SANITARY WASTE RECEPTACLE.
- G4 PROPOSED SOLID WASTE RECEPTACLE LOCATION IF NECESSARY. ANY ALTERNATE LOCATIONS MUST BE APPROVED BY THE ENGINEER AND THE SWPP SHALL BE MODIFIED TO REFLECT CHANGE. SEPARATE PAYMENT SHALL NOT BE MADE FOR SOLID WASTE RECEPTACLE.
- G5 PROPOSED DESIGNATED VEHICLE AND EQUIPMENT FUELING AREA IF NECESSARY. ANY ALTERNATE LOCATIONS MUST BE APPROVED BY THE ENGINEER AND THE SWPP SHALL BE MODIFIED TO REFLECT CHANGE. SEPARATE PAYMENT SHALL NOT BE MADE FOR DESIGNATED VEHICLE AND EQUIPMENT FUELING AREA.
- G6 PROPOSED DESIGNATED MATERIAL DELIVERY AND STORAGE AREA IF NECESSARY. ANY ALTERNATE LOCATIONS MUST BE APPROVED BY THE ENGINEER AND THE SWPP SHALL BE MODIFIED TO REFLECT CHANGE. SEPARATE PAYMENT SHALL NOT BE MADE FOR DESIGNATED MATERIAL DELIVERY AND STORAGE AREA.
- G7 CONSTRUCT CONCRETE WASHOUT IN ACCORDANCE WITH SECTION 11050 OF THE SUDAS SPECIFICATIONS MANUAL. SEPARATE PAYMENT SHALL NOT BE MADE FOR CONCRETE WASHOUT.
- G8 AS NECESSARY, CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES PER SECTION 9040 OF THE SUDAS SPECIFICATIONS MANUAL. SEPARATE PAYMENT SHALL NOT BE MADE FOR DUST CONTROL.
- IP SF CONSTRUCT, MAINTAIN, AND CLEAN OUT SILT FENCE IN ACCORDANCE WITH FIGURE 9040.119 OF THE SUDAS SPECIFICATIONS MANUAL.
- IP1-IP6 INSTALL AND MAINTAIN INLET PROTECTION IN ACCORDANCE WITH SECTION 9040 OF THE SUDAS SPECIFICATIONS MANUAL.
- M1 CONTRACTOR SHALL SEED ALL DISTURBED AREAS PER SECTION 9010 AND 9020 OF THE SUDAS SPECIFICATIONS MANUAL.

EARTHWORK SUMMARY

* 1.35 COMPACTATION
CUT: 690 CY
FILL: 9,210 CY
NET: 8,520 CY (FILL)

NOTE:
THE CUT/FILL SUMMARY IS STRICTLY A VOLUME COMPARISON BETWEEN EXISTING AND PROPOSED GRADES. THE FILE NUMBER HAS BEEN ADJUSTED UP WITH A 1.15 COMPACTATION FACTOR. QUANTITIES DO NOT TAKE INTO ACCOUNT THICKNESS FOR BUILDING SLABS OR FOOTINGS, PAVEMENT SLABS, OR SIDEWALKS. IT ALSO DOES NOT MAKE ANY CONSIDERATIONS FOR UTILITY TRENCHES OR POTENTIAL SOIL EROSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT VOLUMES THAT MAY BE REQUIRED BASED ON GEOTECHNICAL ENGINEER RECOMMENDATIONS. THE CONTRACTOR IS RESPONSIBLE FOR DOING THEIR OWN GRADING ANALYSIS TO ACCOUNT FOR THESE ITEMS AND TO PROVIDE FINAL PRICING TO THE OWNER FOR ALL NECESSARY GRADING AND EXCAVATION WORK TO COMPLETE THE PROJECT, INCLUDING RE-SPREADING OF TOPSOIL, AND HAULING IN OR HAULING OFF ANY MATERIAL.

GRADING VICINITY MAP

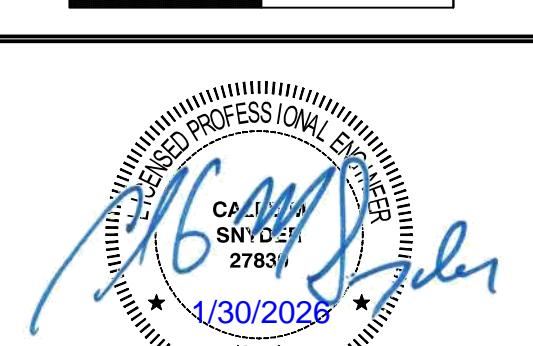
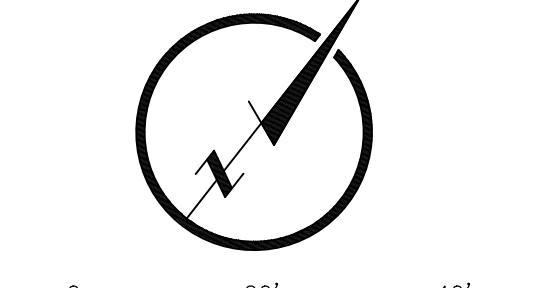
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DESIGNER / DRAFTER
AUSTIN HOOPS / JOE HOFERER
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BOOK AND PAGE

SHEET

CALEB M. SNYDER
E-27830

1/30/2028

ENLARGED GRADING PLAN-1 OF 2

LEWIS CENTRAL COMMUNITY SCHOOLS - 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 - MIDDLE SCHOOL PARKING LOT IMPROVEMENT

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SHEET

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NOTE:
SEE SHEET 7 FOR EROSION CONTROL MEASURES TO BE
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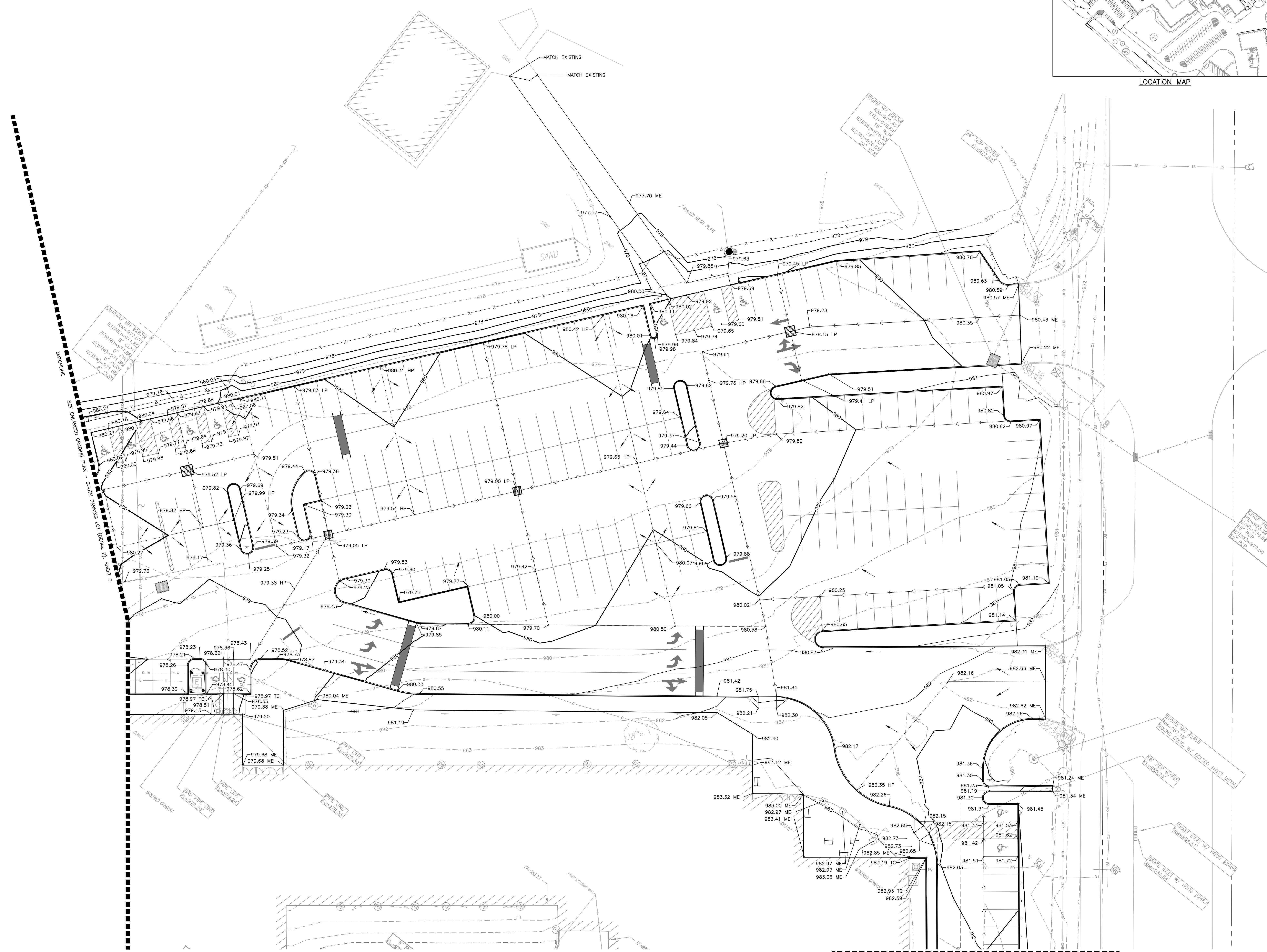
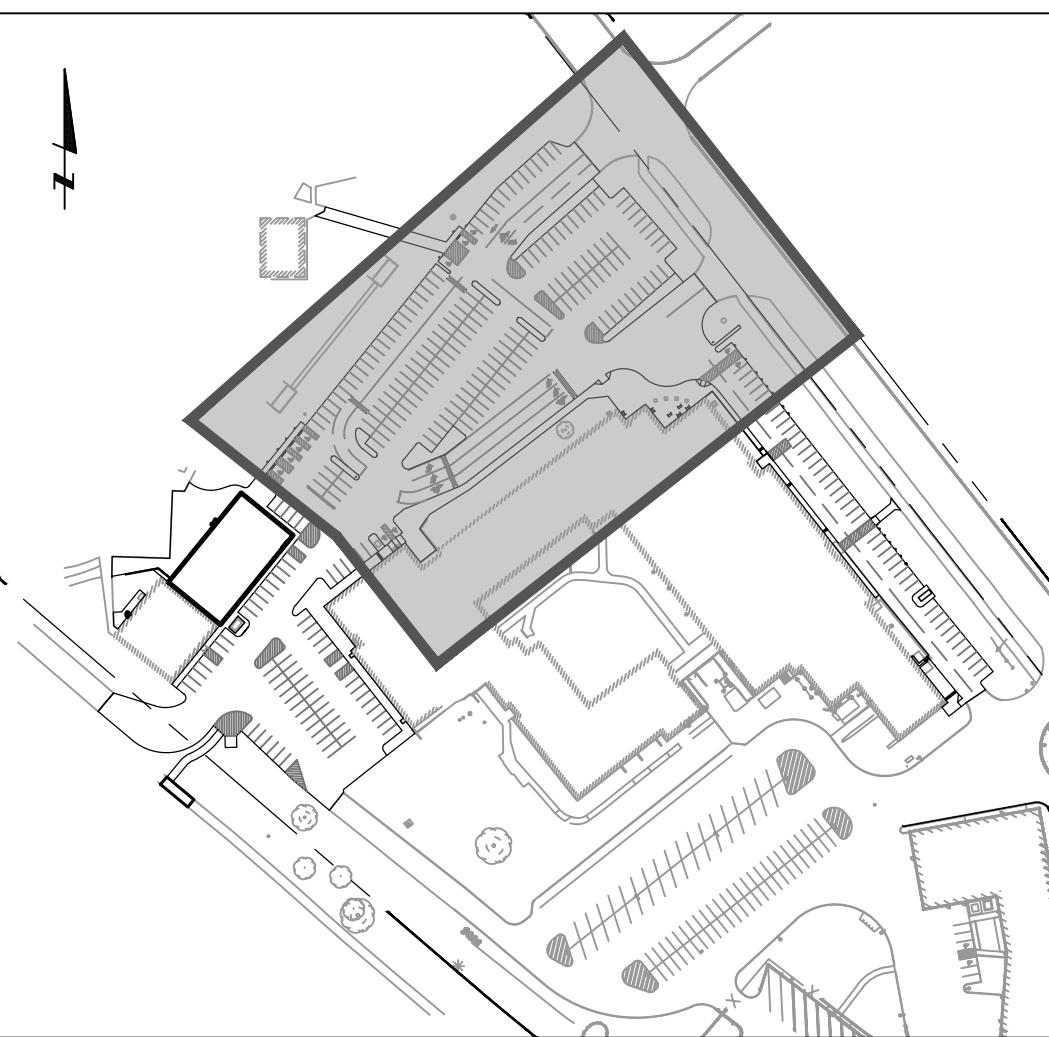
THIS WORK SHALL BE PERFORMED UNDER THE AUTHORIZATION
OF THE EXISTING APDES PERMIT DNR AUTHORIZATION NUMBER
XXXX-XXXX. WEEKLY AND RAINFALL EVENT INSPECTIONS
WILL BE CONDUCTED BY LAMP RYNEARSON UNDER THE
AUTHORITY OF THE EXISTING PERMIT HOLDER.

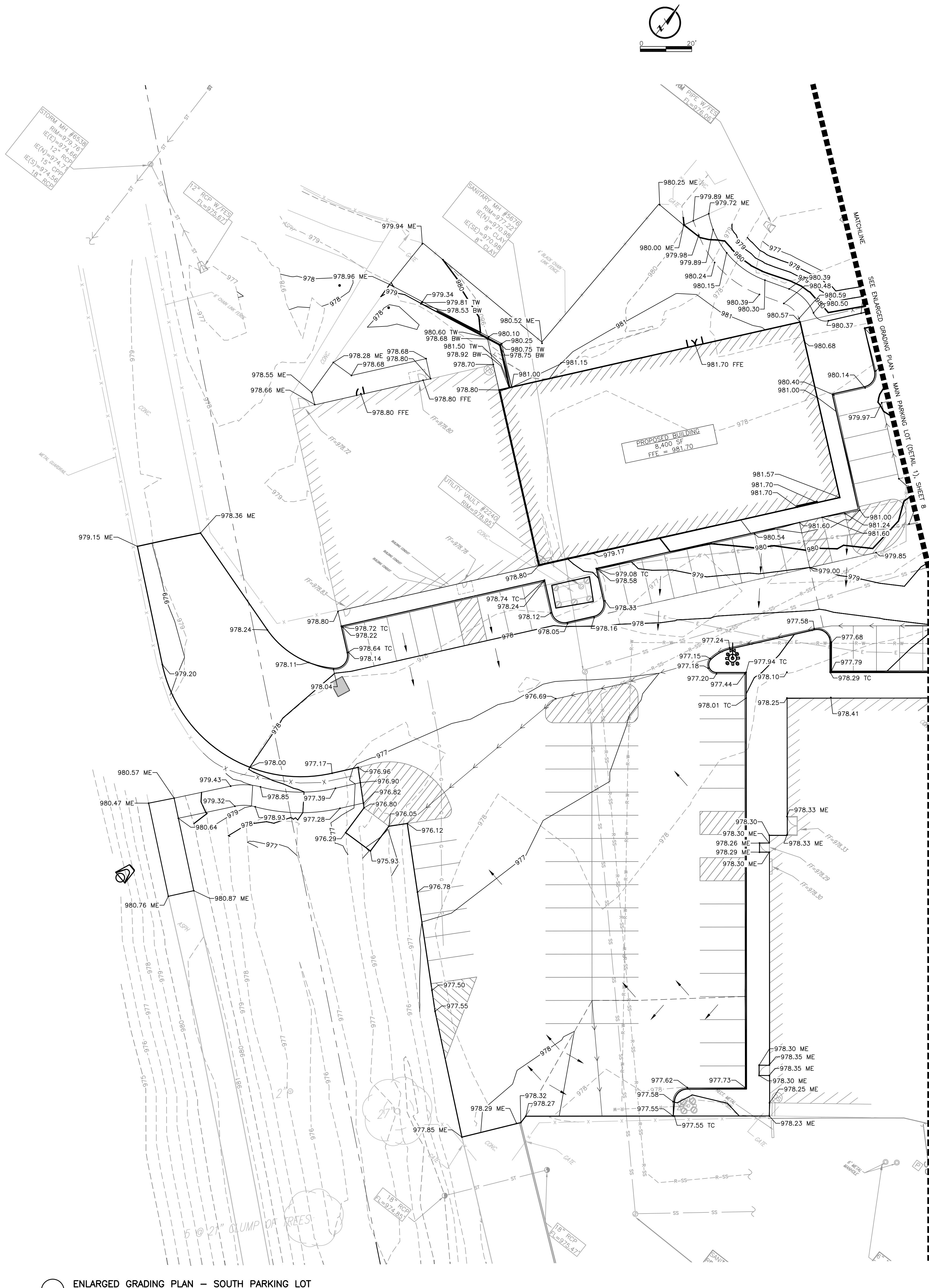
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LOCATION MAP





2 ENLARGED GRADING PLAN – SOUTH PARKING LOT

XX-XXXX-GR

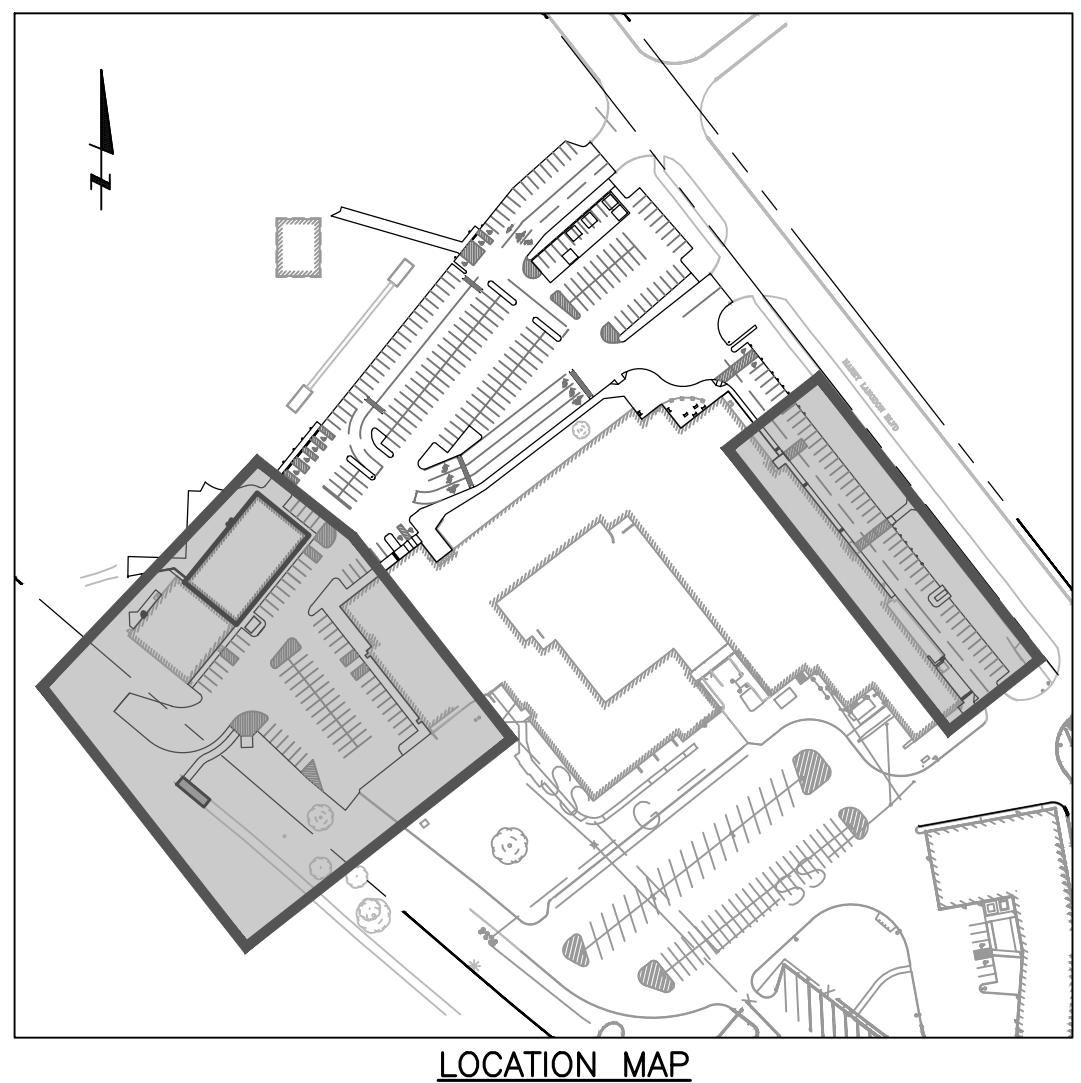
THIS WORK SHALL BE PERFORMED UNDER THE AUTHORIZATION OF THE EXISTING NPDES PERMIT DNR AUTHORIZATION NUMBER XXXXX-XXXXX. WEEKLY AND RAINFALL EVENT INSPECTIONS WILL BE CONDUCTED BY LAMP RYNEARSON UNDER THE AUTHORITY OF THE EXISTING PERMIT HOLDER.

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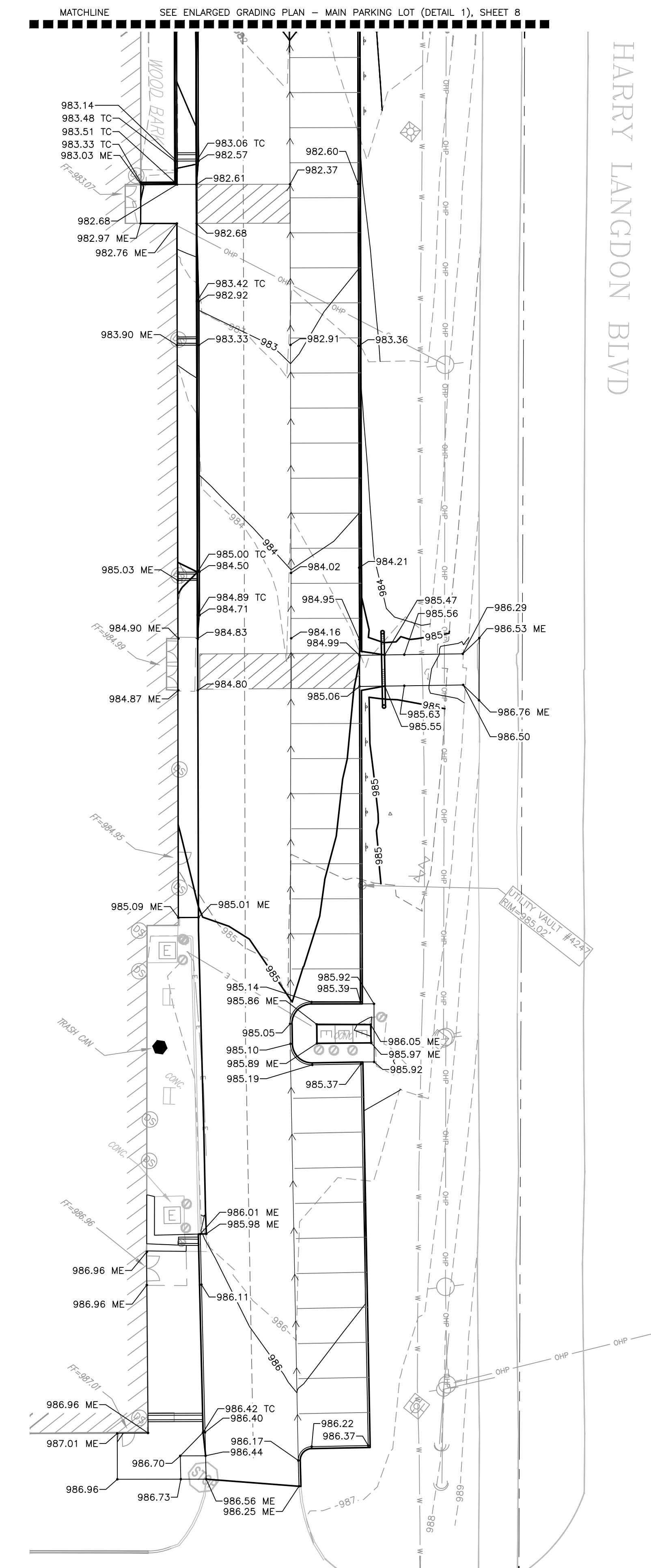
ABBREVIATIONS:
BW: BOTTOM OF WALL
TW: TOP OF WALL
TC: TOP OF CURB



LOCATION MAP



HARRY LANGDON BLVD



3 ENLARGED GRADING PLAN – NORTH PARKING LOT

ENLARGED GRADING PLAN-Z OF 2

LEWIS CENTRAL COMMUNITY SCHOOLS – 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 – MIDDLE SCHOOL PARKING LOT IMPROVEMENT

The logo for Iowa One Call. It features the word "IOWA" in a large, bold, black sans-serif font. To the right of "IOWA" is a graphic element consisting of a black vertical bar with a diagonal cut on its right side, and three horizontal red bars of decreasing length extending from the top of the cut. Below "IOWA" is the word "ONE CALL" in a large, bold, red sans-serif font. A small "SM" is positioned at the bottom right of "ONE CALL".

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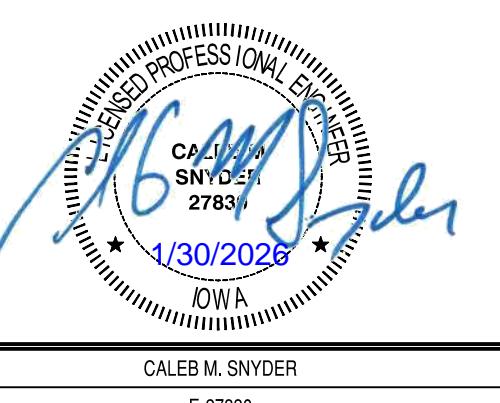
DRAFTER
OPS/JOE HOFERER

NUMBER
-020
AGE

11. *What is the primary purpose of the following statement?*

XX-XXXX-GR

LAMP
RYNEARSON.COM
OMAHA, NEBRASKA
14710 WISCONSIN AVENUE, SUITE 100, OMAHA, NE 68148
NE AUTHORIZATION NO. CA0130
FORT COLLINS, COLORADO
4750 E. 29TH AVENUE, SUITE 100, FORT COLLINS, CO 80506
KANSAS CITY, MISSOURI
9001 STATE LINE RD, STE. 200 (615) 961-0446
MO AUTH. NO. E-01301985 (15-20) 9645127



GRADING NOTES AND DETAILS

LEWIS CENTRAL COMMUNITY SCHOOLS - 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 - MIDDLE SCHOOL PARKING LOT IMPROVEMENT

GRADING PLAN GENERAL NOTES

BMP'S MAINTENANCE SCHEDULE

1. ALL OPERATORS/CONTRACTORS MUST COMPLY WITH ALL NOISE AND DUST CONTROL ORDINANCES OF APPLICABLE GOVERNMENT AGENCIES.

2. ALL OPERATORS/CONTRACTORS MUST LOCATE ALL EXISTING UTILITY PRIOR TO THE START OF WORK (ONE CALL 1-800-292-8989).

3. BARRIQUADES SHALL CONFORM TO SUDAS SPECIFICATIONS, AND/OR THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

4. ALL OPERATORS/CONTRACTORS SHALL BE RESPONSIBLE TO COMPLY WITH OSHA REGULATIONS.

5. ALL OPERATORS/CONTRACTORS MUST CONFIRM WITH THE APPLICANT THAT ANY AND ALL APPLICABLE GOVERNMENTAL APPROVALS HAVE BEEN RECEIVED PRIOR TO THE START OF WORK.

6. THE APPLICANT AND INSPECTOR MUST COMPLY WITH ALL GOVERNMENT REGULATORS IN REGARDS TO THE CONSTRUCTION ACTIVITIES SO AS TO MINIMIZE THE POTENTIAL FOR EROSION.

7. ALL OPERATORS/CONTRACTORS MUST COMPLY WITH THE APPLICANT, INSPECTOR, AND ALL GOVERNMENT REGULATORS IN REGARD TO THE CONSTRUCTION ACTIVITIES SO AS TO MINIMIZE THE POTENTIAL FOR EROSION AND POLLUTION.

8. EACH OPERATOR/CONTRACTOR MUST MONITOR SILT FENCING, WITHIN THEIR AREAS OF RESPONSIBILITY, AND INSTALL ADDITIONAL SILT FENCING IF NECESSARY AND AS DIRECTED BY THE INSPECTOR.

9. EACH OPERATOR/CONTRACTOR SHALL PERIODICALLY REMOVE ACCUMULATED SEDIMENT FROM TEMPORARY SEDIMENT BASINS, BEHIND SILT FENCES, AND ALL OTHER EROSION CONTROL MEASURES THAT STORE SEDIMENT, WITHIN THEIR AREAS OF RESPONSIBILITY, IF NECESSARY AND AS DIRECTED BY THE INSPECTOR.

10. EACH OPERATOR/CONTRACTOR MUST BUILD STABILIZED CONSTRUCTION ENTRANCES, WITHIN THEIR AREAS OF RESPONSIBILITY, AS DIRECTED BY THE SWPP. EACH OPERATOR/CONTRACTOR MUST STABILIZE CONSTRUCTION ENTRANCES, WITHIN THEIR AREAS OF RESPONSIBILITY, AND MAINTAIN THE ENTRANCES AS NEEDED AND DIRECTED BY THE INSPECTOR. OPERATORS/CONTRACTORS SHALL NOT USE ANY OTHER ACCESS TO THE SITE OR ALLOW OTHERS TO USE ALTERNATE ACCESS POINTS.

11. EACH OPERATOR/CONTRACTOR MUST PERFORM PREVENTATIVE MAINTENANCE ON EACH BEST MANAGEMENT PRACTICE (BMP), WITHIN THEIR AREAS OF RESPONSIBILITY, TO ENSURE PROPER FUNCTION. THE INSPECTOR MUST ENSURE PREVENTATIVE MAINTENANCE IS BEING PERFORMED.

12. ALL BMP'S MUST BE KEPT IN WORKING ORDER. EACH OPERATOR/CONTRACTOR MUST REPAIR ALL DAMAGE TO THE POLLUTANT DISCHARGE AND CONSTRUCTION ACTIVITIES WITHIN THEIR AREAS OF RESPONSIBILITY, AT OR BEFORE THE END OF EACH WORKING DAY AND AS DIRECTED BY THE INSPECTOR.

13. BMP'S MAY NOT BE REMOVED WITHOUT INSPECTOR AND APPLICABLE GOVERNMENTAL APPROVAL.

14. EACH OPERATOR/CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL BMP'S, WITHIN THEIR AREAS OF RESPONSIBILITY.

15. IN THE EVENT OF A RELEASE OF OIL OR HAZARDOUS SUBSTANCE, ALL OPERATORS/CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS OF THE IOWA DEPARTMENT OF NATURAL RESOURCES FOR NOTIFICATION, CONTAINMENT, INVESTIGATION, REMEDIATION AND DISPOSAL.

16. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST ENSURE LEVEL SPREADER AND TEMPORARY EARTH DIVERSION STRUCTURES ARE CONSTRUCTED AS SHOWN WITHIN THE SWPPP AND AS NECESSARY TO PROPERLY CONTROL POLLUTANT DISCHARGE. LEVEL SPREADER AND TEMPORARY EARTH DIVERSION STRUCTURE SHALL BE INSTALLED AT THE END OF EACH WORKING DAY, PRIOR TO ALL RAIN EVENTS, AND AS DIRECTED BY THE INSPECTOR.

17. THE APPLICANT, INSPECTOR, AND/OR OPERATORS/CONTRACTORS SHALL ALLOW ALL CONTRACTORS/OPERATORS TO HAVE ACCESS TO THE SITE FOR INSPECTIONS AT THE IMPLEMENTING AGENCY'S DISCRETION.

18. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST INITIATE STABILIZATION MEASURES, SUCH AS TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING, AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAVE TEMPORARILY OR PERMANENTLY CEASED.

19. FOR DUST CONTROL, THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST USE ANY OF THE FOLLOWING MEASURES OR A COMBINATION IF NECESSARY: ESTABLISHING TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING, AS SOON AS POSSIBLE ON THE SITE, OR CONSTRUCTION TRAFFIC IRREGULARLY STRICKED AREAS FOR HAUL ROADS, ETC. DUST CONTROL SHOULD BE APPLIED ON HAUL ROADS AND AS DIRECTED BY THE INSPECTOR.

20. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST ENSURE SEDIMENT THAT HAS BEEN ACCIDENTALLY TRANSPORTED ON PUBLIC STREETS IS REMOVED AS NEEDED, AT THE END OF EACH WORKING DAY, AND PRIOR TO ALL RAIN EVENTS. SEDIMENT SHALL BE SHOVED AND/OR SWEEP FROM THE STREET AND DISPOSED OF IN A MANNER THAT PREVENTS STORMWATER CONTAMINATION.

21. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST ADHERE TO ALL GOOD CONSTRUCTION PRACTICES, INCLUDING BUT NOT LIMITED TO KEEPING SITE CLEAN AND ORDERLY WHILE HANDLING MATERIALS AND WASTE IN A MANNER THAT ELIMINATES THE POTENTIAL FOR POLLUTANT RUNOFF, GOOD HOUSEKEEPING BMP'S SUCH AS SANITARY WASTE MANAGEMENT, SOLID WASTE MANAGEMENT, MATERIAL DELIVERY & STORAGE, STREET CLEANING, SWEEPING, AND VEHICLE & EQUIPMENT FUELING MUST BE ADDRESSED WHEN APPLICABLE.

22. THE SWPPP DOCUMENTS ARE ESSENTIAL AND A REQUIREMENT IN ONE PART IS AS BINDING AS THOUGH OCCURRING IN ALL. THE SWPPP DOCUMENTS ARE COMPLEMENTARY, THE DOCUMENTS DESCRIBE AND PROVIDE A COMPLETE SWPPP. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MAY TAKE NOTE OF ANY APPENDIX SWPPP ERRORS OR OMISSIONS, THE INSPECTOR SHALL NOTIFY THE APPLICANT, DESIGNER, AND CONTRACTORS/OPERATORS PROMPTLY OF ANY OMISSIONS OR ERRORS. THE APPLICANT SHALL INSPECT THE DESIGNER'S AND CONTRACTORS/OPERATORS' WORK FOR THE OVERALL INTENT OF THE SWPPP DOCUMENTS (E.G., GRADING PERMIT MODIFICATION FORM). IN THE CASE OF A DISCREPANCY BETWEEN PARTS OF THE SWPPP DOCUMENTS, THE MOST STRINGENT REQUIREMENT SHALL RULE.

23. IN CONSTRUCTION OF CONTROLLED FILLS, ALL SOILS SHALL BE COMPACTION AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE (SEE SHEET 7).

24. NO TREES SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

25. DO NOT DISTURB EXISTING VEGETATION OUTSIDE LIMITS OF GRADING.

26. MAINTAIN DRAINS IN EXISTING ROAD DITCHES AT ALL ENTRANCES AND FROM ALL CULVERTS DRAINING INTO THE SITE.

27. DITCHES SHALL BE STRIPPED AND STOCKPILED WITHIN THE LIMITS SHOWN ON SHEET 6. DO NOT STRIP MORE AREA THAN IS REQUIRED FOR WORKING SPACE. SEPARATE PAYMENT WILL NOT BE MADE TO STRIP, STOCKPILE AND RE-SPREAD TOPSOIL.

28. THE CONTRACTOR SHALL REDISTRIBUTE TOPSOIL OVER COMPLETED AREAS EXCEPT FOR PAVED AND BUILDING AREAS AS SOON AS POSSIBLE.

29. THE CONTRACTOR IS REFERRED TO THE FOLLOWING "IOWA STATEWIDE URBAN DESIGNS AND SPECIFICATIONS" (SUDAS).

FIGURES:
9040.103 ROLLED EROSION CONTROL PRODUCT (RECP) INSTALLED ON SLOPES
9040.108 TEMPORARY EARTH DIVERSION STRUCTURE
9040.109 RIP RAP APRON
9040.110 RIP RAP APRON FOR OUTLET ONTO FLAT GROUND
9040.112 TEMPORARY PIPE SLOPE DRAIN
9040.115 SEDIMENT BASIN Dewatering DEVICE (PERFORATED RISER)
9040.116 SEDIMENT BASIN Dewatering DEVICE
9040.119 SILT FENCE
9040.120 STABILIZED CONSTRUCTION ACCESS

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY: INSTALL ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE SUCH AS STABILIZED CONSTRUCTION ENTRANCES, SILT BASINS, RISER PIPES, OUTLET PIPES, SILT FENCES, SILT FENCE DIVERSIONS, TERRACES, AND ETCETERA.

SCHEDULE: PRIOR TO ANY STRIPPING OF EXISTING VEGETATION, GRADING, REMOVALS, OR OTHER GROUND DISTURBING ACTIVITY.

PROCEED WITH REMOVALS, STRIPPING OF EXISTING VEGETATION, AND GRADING IN ACCORDANCE WITH THE GRADING PLAN, WHILE DISTURBING NO MORE THAN NECESSARY.

PROCEED WITH INFRASTRUCTURE INSTALLATION.

IMPLEMENT THE INSTALLATION OF TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING.

STABILIZATION MEASURES MUST BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

IMPLEMENT THE INSTALLATION ALL BMP'S NEEDED AND ASSOCIATED WITH THE BUILDING PHASE.

BUILDING PHASE BMP'S MUST BE INSTALLED CONCURRENTLY WITH LOT DEVELOPMENT.

PROCEED WITH REMOVAL OF BMP'S.

BMP'S MAY NOT BE REMOVED UNTIL EACH IMPACTED DRAINAGE BASIN HAS BEEN FULLY GRADED AND PLANTED. LOT DEVELOPMENT SHOULD INCLUDE INSTALLATION OF FRAME, BUILDINGS, AND UTILITIES, LANDSCAPING, AND FULLY ESTABLISHED PERMANENT SEEDING. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE REMOVAL OF ANY BMP'S.

NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAVED BEFORE THE END OF EACH WORKING DAY.

5. LEVEL SPREADER - SINCE THE PRACTICE IS TEMPORARY AND UNDER MOST SITUATIONS WILL BE COVERED THE NEXT WORKING DAY, THE MAINTENANCE REQUIRED SHOULD BE LOW. THE PRACTICE SHOULD BE MAINTAINED AS LONG AS POSSIBLE, AND AS NECESSARY, UNTIL THE END OF EACH WORK DAY AND REPAIRS MADE TO THE MEASURE IF NEEDED. THE OPERATOR/CONTRACTOR SHOULD AVOID THE PLACEMENT OF ANY MATERIAL OVER THE STRUCTURE WHILE IT IS IN USE. CONSTRUCTION TRAFFIC SHOULD NOT BE PERMITTED TO CROSS THE DIVERSION.

6. TEMPORARY SEDIMENT BASIN - THE BASIN EMBANKMENT SHOULD BE CHECKED REGULARLY TO ENSURE STABILITY. THE CONTRACTOR SHOULD USE A DUST CONTROL PUMP TO REMOVE DUST ON CONSTRUCTION EQUIPMENT. THE BASIN SHOULD BE CHECKED AFTER EACH RUNOFF PRODUCING RAINFALL FOR SEDIMENT CLEANUP AND TRASH REMOVAL. WHEN THE SEDIMENT REACHES THE CLEANUP LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF.

7. TEMPORARY SODDING - AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT SILT EROSION WILL BE RE-SEDED AS SOON AS SUCH AREAS ARE IDENTIFIED. CONTROL WEEDS BY MOWING.

8. PERMANENT SEEDING - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (8.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANTING. (8.2) NEW PLANTINGS SHOULD BE MAINTAINED WITH ADOBE OR STABILIZED WITH WATER NEEDING ONLY 1/2" OF WATER DURING THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, ON ADVERSE SITES, WATER APPLICATIONS SHALL BE CONSIDERED TO PREVENT EXCESS RUNOFF. (8.3) IN ALL OTHER SITES, ALL SEEDED AREAS FOR FAILURES AND MAINTENANCE REQUIRE REPLANTING AND RESEEDING DURING THE PLANTING SEASON, IF POSSIBLE; (8.3A) IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF THE RATES ORIGINALLY SPECIFIED. (8.3B) IF STAND IS 60% DAMAGED, RE-ESTABLISH PLANTING. (8.4) IF THE SOIL HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE FOR THE FAILURE OF THE PLANT MATERIALS AND RE-EVALUATE PLANTING CONDITIONS.

9. MULCHING - ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS), TO CHECK FOR EROSION, WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DAMAGE OR FAILURE. SHOTGUN HATCHES OR BREACHES OCCUR, REINSTALL METAL OR PLASTIC REINFORCEMENT AND REPAIR DAMAGE TO THE SLOPES OR DITCH. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED, WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE, REPAIR AS NEEDED.

10. SOIL STABILIZATION BLANKETS & MATTING - ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO ENSURE THAT THE STABILIZATION IS IN GOOD WORKING ORDER. IF DAMAGE OCCURS, REPAIR IMMEDIATELY, IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY ESTABLISHED. THE CONTRACTOR SHOULD MAINTAIN THE STABILIZATION SO THAT IT WILL BE ADEQUATE.

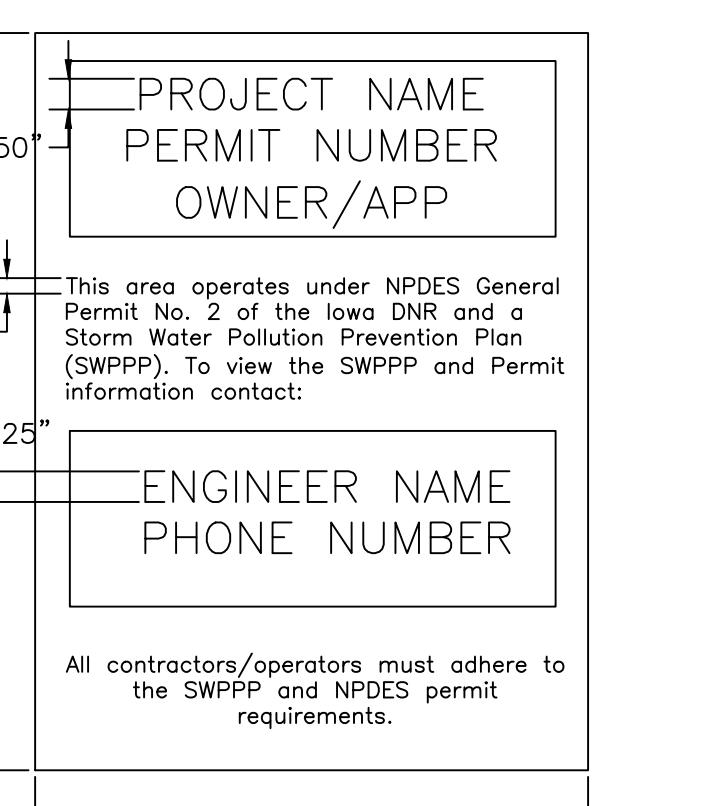
11. STREET CLEANING / SWEEPING - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (11.1) AVAIL ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (11.2) WHEN TRACKED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY, DURING TIMES OF HEAVY TRACK-OUT SUCH AS DURING RAIN, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY; (11.3) IF SPILLS OR DRIPS OCCUR, THEY WILL NOT BE MIXED WITH THE SEDIMENT; AND (11.4) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.

THIS WORK SHALL BE PERFORMED UNDER THE AUTHORIZATION OF THE EXISTING NPDES PERMIT. DNR AUTHORIZATION NUMBER XXXXX. THE WORK PERFORMED ON THIS PROJECT AND THE CONDITIONS WILL BE CONDUCTED BY LAMP RYNEARSON UNDER THE AUTHORITY OF THE EXISTING PERMIT HOLDER.

SITE INFORMATION			
ESTIMATED START DATE	GRADING PERMIT NUMBER	NPDES NUMBER	
LCCD PARKING LOT IMPROVEMENTS		3820 HARRY LANGDON BLVD	
PROJECT NAME		ADDRESS	
N/A	N/A	COUNCIL BLUFFS	POTTAWATTAMIE
SUBDIVISION NAME	S&D #	CITY	COUNTY
41.221523	-95.820177	IA	51503
LATITUDE	LONGITUDE	STATE	ZIP CODE
TOTAL SITE AREA [ACRES]	28.70	ESTIMATED PERMIT DURATIONS [MONTHS]	XX
DISTURBED AREA [ACRES]	4.65	CUT VOLUME [YD^3]	XX
UNDISTURBED AREA [ACRES]	24.05	FILL VOLUME [YD^3]	XX

*NOTE: THIS IS AN APPROXIMATION BASED ON TOP OF SLAB AND FINISHED FLOOR SURFACES. CALCULATION DOES NOT ACCOUNT FOR FOUNDATION DEPTH OR SLAB THICKNESS. CONTRACTOR IS RESPONSIBLE FOR FINAL GRADING ANALYSIS.

BMP RESPONSIBILITY TABLE			
MAJOR ACTIVITY	CONTROL MEASURES	TIMING	RESPONSIBLE PARTY
GRADING	ROCK ACCESS ROAD	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	SILT BASINS	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	SILT FENCE	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	TRASH CONTAINERS	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	RESTROOM FACILITIES	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	FUEL CONTAINMENT	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	AREA CLEANUP OF ANY TRACKED MUD/DUST FROM ADJACENT STREETS	DAILY	GENERAL CONTRACTOR
SEWERS	USE WATER BACK TO CONTROL WINDBLOWN DUST	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
	CONTINUE TO UTILIZE AND MAINTAIN ITEMS LISTED UNDER GRADING CONTROL MEASURES	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
PAVING	CONTINUE TO UTILIZE AND MAINTAIN ITEMS LISTED UNDER GRADING CONTROL MEASURES	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
	CLEAN ON SITE PAVEMENT TO REMOVE MUD AND DUST	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
WATER, POWER, GAS AND UTILITIES	CONTINUE TO UTILIZE AND MAINTAIN ITEMS LISTED UNDER GRADING, SEWERS AND PAVING	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
BUILDING CONSTRUCTION	CLEAN ON SITE PAVEMENT TO REMOVE MUD/DUST FROM ADJACENT STREETS	PRIOR TO DISTURBANCE OF LOT	GENERAL CONTRACTOR
	PERIODIC STREET SWEEPING TO MANAGE SEDIMENTATION	AS OFTEN AS NEEDED TO PREVENT MIGRATION OF SEDIMENT	GENERAL CONTRACTOR



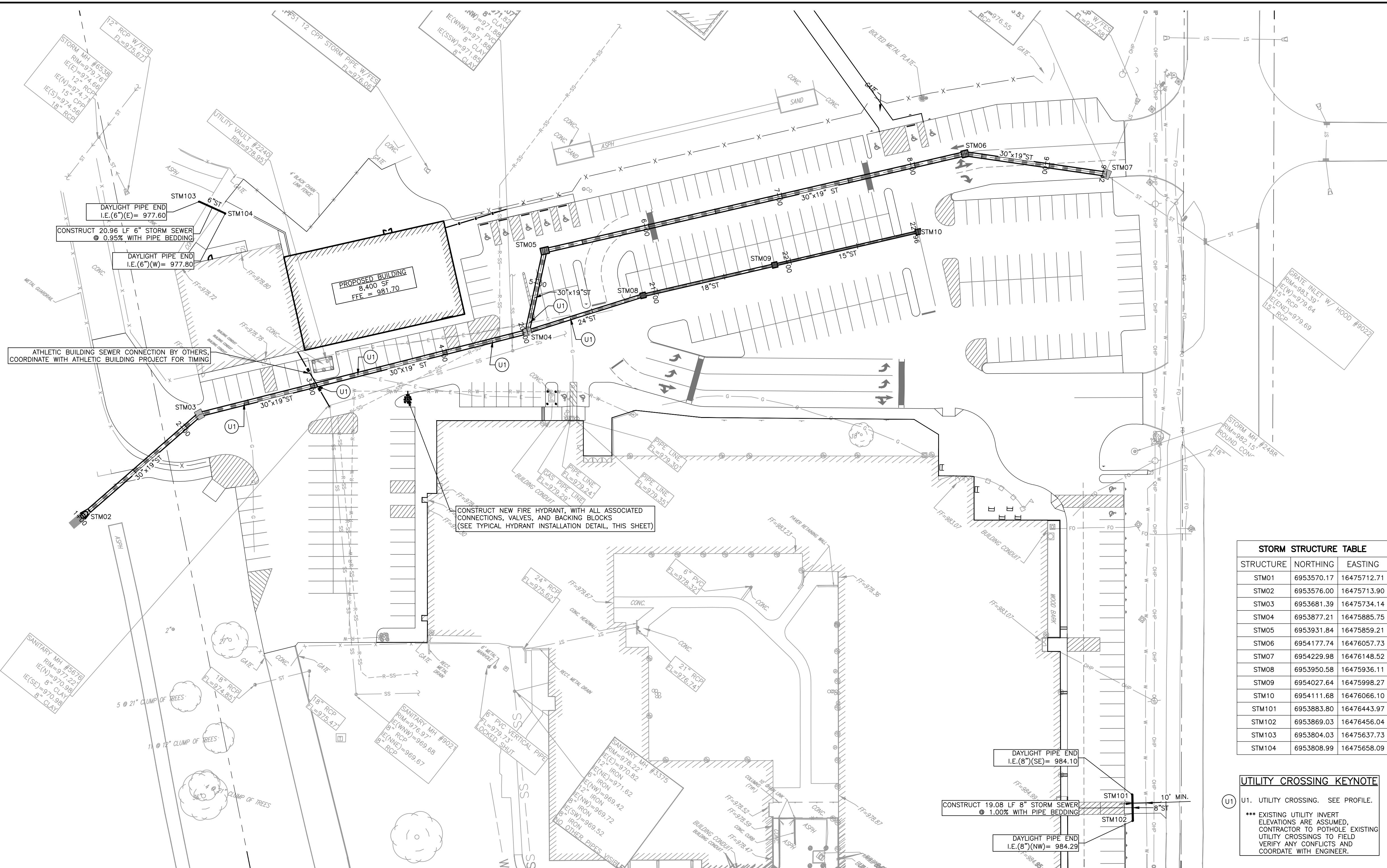
SWPPP NOTIFICATION SIGN DETAIL

No Scale

All contractors/operators must adhere to the SWPPP and NPDES permit requirements.



DESIGNER / DRAFTER
AUSTIN HOOPS / JOE HOFERER
DATE
01-29-2026
PROJECT NUMBER
0124284.01-020
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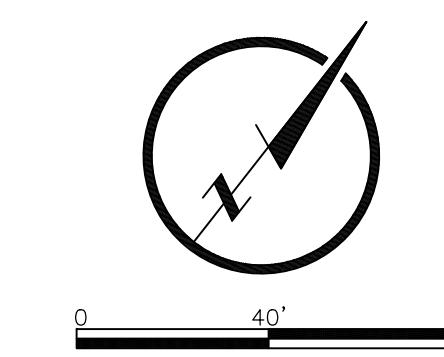
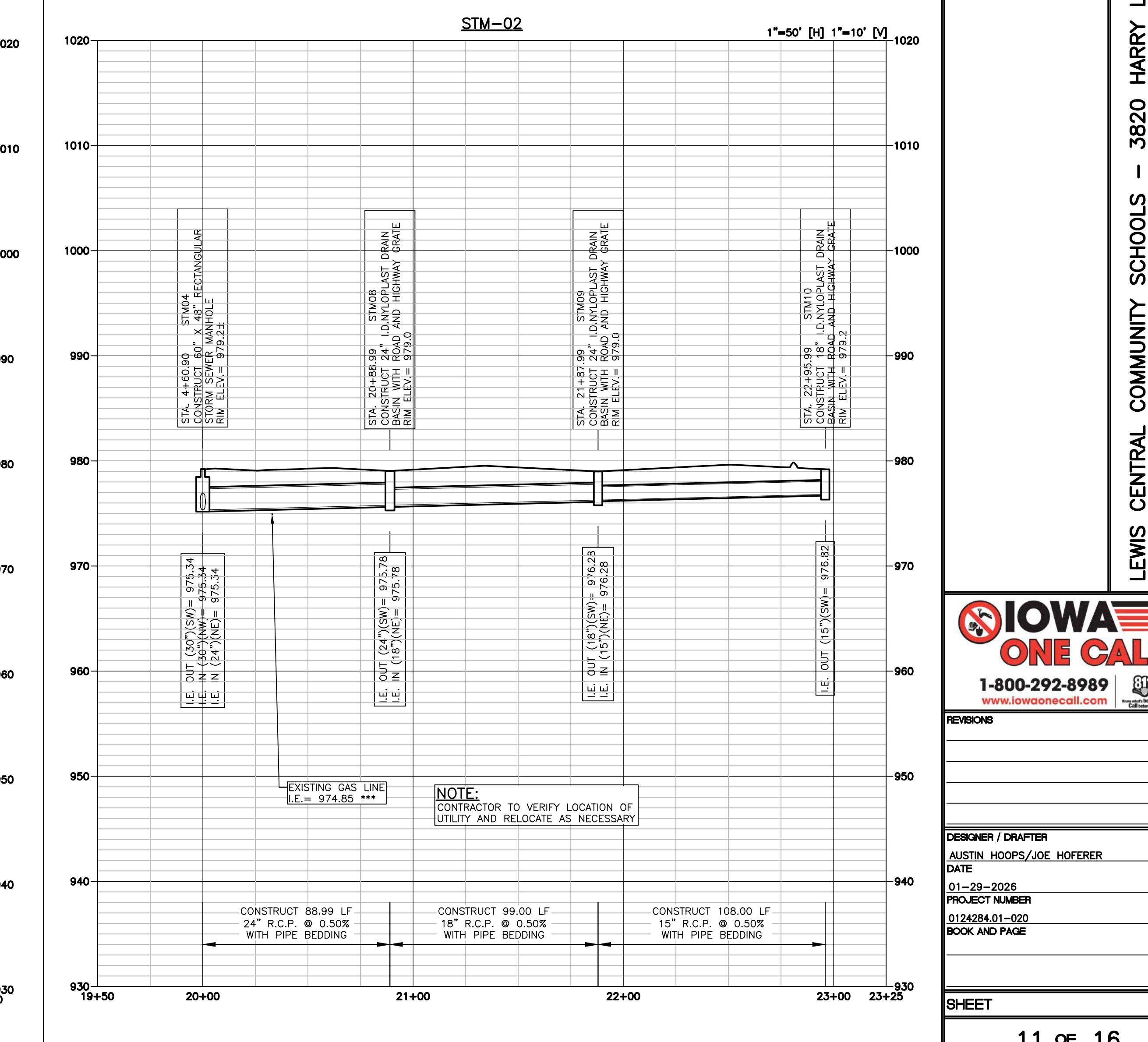
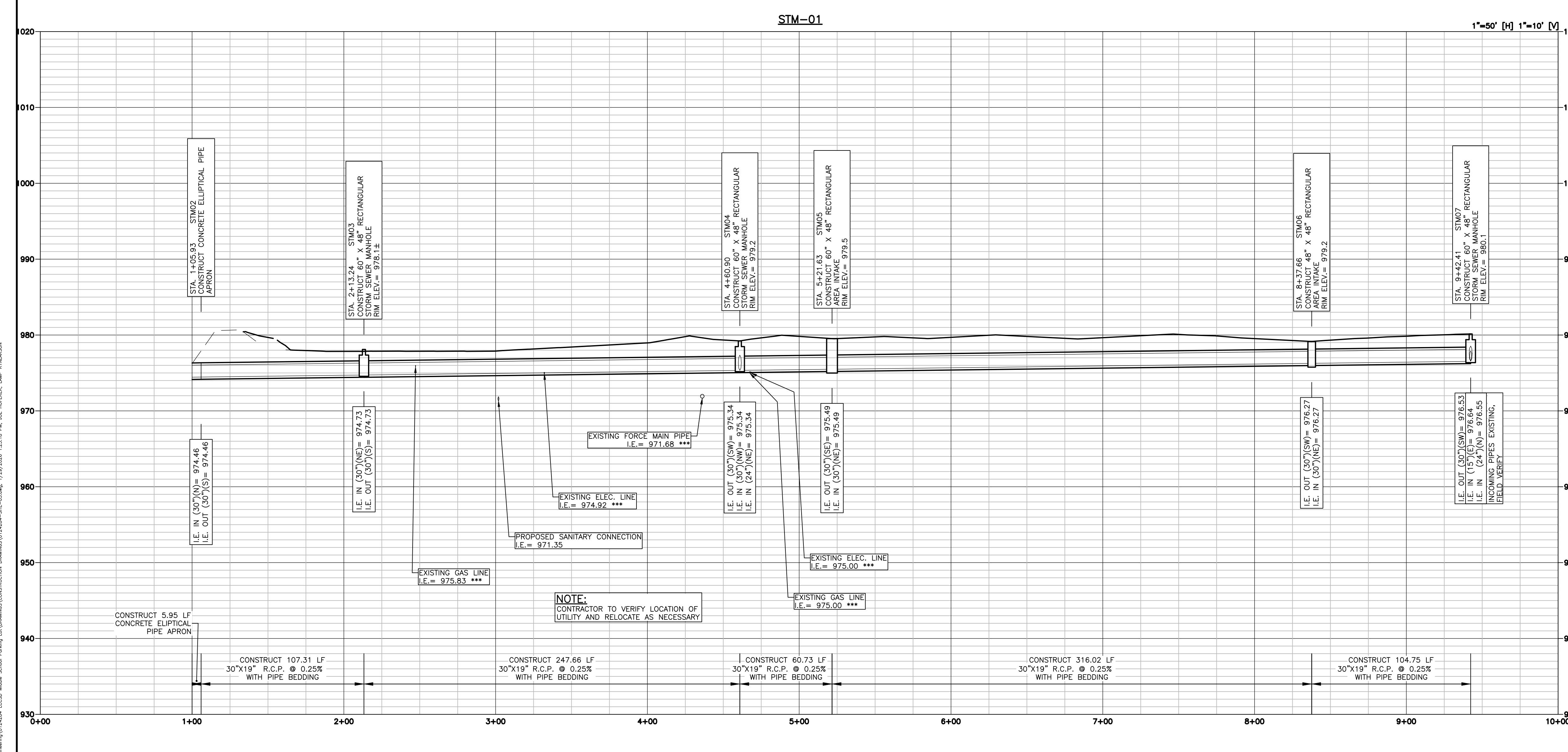


STORM STRUCTURE TABLE		
STRUCTURE	NORTHING	EASTING
STM01	6953570.17	16475712.7
STM02	6953576.00	16475713.9
STM03	6953681.39	16475734.1
STM04	6953877.21	16475885.7
STM05	6953931.84	16475859.2
STM06	6954177.74	16476057.7
STM07	6954229.98	16476148.5
STM08	6953950.58	16475936.1
STM09	6954027.64	16475998.2
STM10	6954111.68	16476066.1
STM101	6953883.80	16476443.9
STM102	6953869.03	16476456.0
STM103	6953804.03	16475637.7
STM104	6953808.99	16475658.0

UTILITY CROSSING KEYNOTE

U1. UTILITY CROSSING. SEE PROFILE.

*** EXISTING UTILITY INVERT ELEVATIONS ARE ASSUMED, CONTRACTOR TO POTHOLE EXISTING UTILITY CROSSINGS TO FIELD VERIFY ANY CONFLICTS AND COORDINATE WITH ENGINEER.



UTILITY PLAN

EWIS CENTRAL COMMUNITY SCHOOLS – 3820 HARRY LANGDON BOULEVARD
OUNCIL BLUFFS, IOWA 51503 – MIDDLE SCHOOL PARKING LOT IMPROVEMENT

ILITY PLAN

IOWA
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800-292-8989 | 81

iowaonecall.com

DRAFTER
OPS/JOE HOFERER

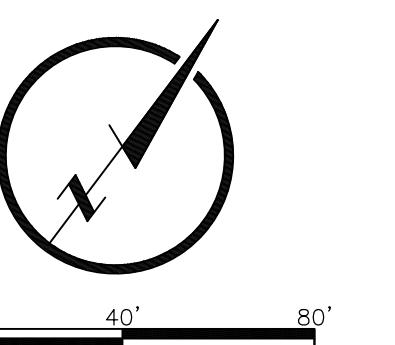
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NUMBER

-020
AGE

11. *What is the primary purpose of the following statement?*

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CALEB M. SNYDER

E-27830

1/30/2020

PAVING VICINITY MAP

LEWIS CENTRAL COMMUNITY SCHOOLS - 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 - MIDDLE SCHOOL PARKING LOT IMPROVEMENT

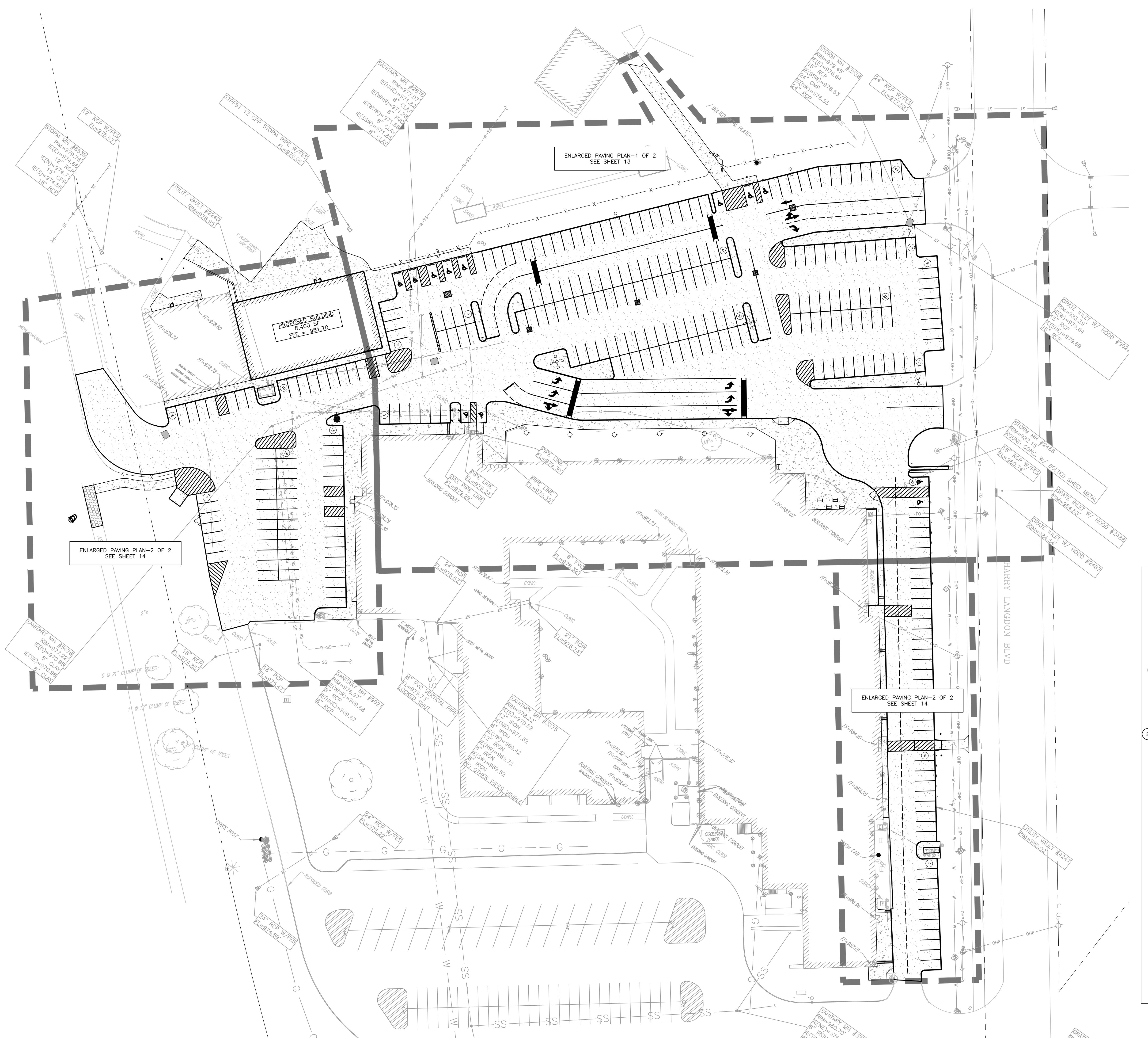
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REVISIONS

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PORTLAND CEMENT CONCRETE (PCC) PAVING NOTES

- ALL PAVING ELEVATIONS ARE AT TOP OF SLAB UNLESS NOTED OTHERWISE.
- INTEGRAL CURB SHALL BE INSTALLED AT THE LOCATIONS SHOWN BELOW AND IN ACCORDANCE WITH IOWA STANDARD URBAN DESIGN AND SPECIFICATIONS DIVISION 7 SECTION 7010 AND THE 2025 COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS.
- PAVEMENT SUBGRADE TO A DEPTH OF 12 INCHES AND TO A WIDTH OF 2 FEET OUTSIDE PAVEMENT EDGES SHALL BE COMPAKTED AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE (SEE SHEET 7).
- BACKFILL BEHIND CURBS SHALL BE COMPAKTED TO A MINIMUM IN-PLACE DENSITY OF 90% OF "MAXIMUM DENSITY" AS DETERMINED IN ACCORDANCE WITH ASTM D 1557 (90% MODIFIED PROCTOR).
- THE CONTRACTOR SHALL CONTACT THE SOILS ENGINEER TO OBSERVE THE SUBGRADE PRIOR TO PLACING PAVEMENT TO DELINATE ANY AREAS WHERE SUBGRADE OVEREXCAVATION MAY BE REQUIRED.
- THE CONTRACTOR IS REFERRED TO THE FOLLOWING SUDAS FIGURES:

7010.101 CONCRETE PAVING JOINTS
7010.102 CONCRETE CURBS
7010.901 PAVEMENT CURBS
7010.902 CONCRETE PAVING JOINTS
7010.904 TYPICAL JOINTING LAYOUT

7. CONCRETE MIX SHALL BE CV-SUD-C15 AS SHOWN IN THE IOWA D.O.T. I.M. 529 PROPORTION TABLE 4 (SUDAS CONCRETE MIXES) AND THE 2025 COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS.

8. JOINT PATTERNS

A. THE MAXIMUM PANEL DIMENSION IN FEET IS EQUAL TO THE LESSER OF TWICE THE PAVEMENT THICKNESS IN INCHES OR FIFTEEN FEET.
B. THE RATIO OF PANEL LENGTH TO WIDTH SHOULD NOT EXCEED 1.25:1.
C. THE OUTER PARKING LOT JOINT SHALL BE REINFORCED TO FORM A RING. SEE DETAIL SHEET 14.

11. PAVEMENT REMOVAL AND REPLACEMENT TO BE MADE TO TRANSVERSE JOINTS. JOINT TO BE RE-SAWED FULL DEPTH PRIOR TO REMOVAL. NEW PANELS TO BE TIED TO THE EXISTING USING 1/2 IN. RT JOINTS AS PER SUDAS SECTION 7010. SEE FIGURE 7010.101. PCC FOR ALL ROADWAY PATCHES TO BE A C-4 MIX. PATCHES SHALL MATCH THE THICKNESS OF THE EXISTING PAVEMENT OR A MINIMUM THICKNESS OF 6", WHICHEVER IS GREATER. JOINTS IN NEW PAVING TO MATCH EXISTING PATTERN.

SIDEWALK NOTES

- ALL SIDEWALKS SHALL BE IN ACCORDANCE WITH IOWA STANDARD URBAN DESIGN AND SPECIFICATIONS DIVISION 7 SECTION 7030 AND THE 2025 COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS.
- SIDEWALK SUBGRADE TO A DEPTH OF 6 INCHES AND TO A WIDTH OF 6 INCHES OUTSIDE OF SIDEWALK EDGES SHALL BE COMPAKTED AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE. (SEE SHEET 7)
- BACKFILL SHALL BE COMPAKTED AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE. (SEE SHEET 7)
- THE CONTRACTOR IS REFERRED TO THE FOLLOWING SUDAS FIGURES:

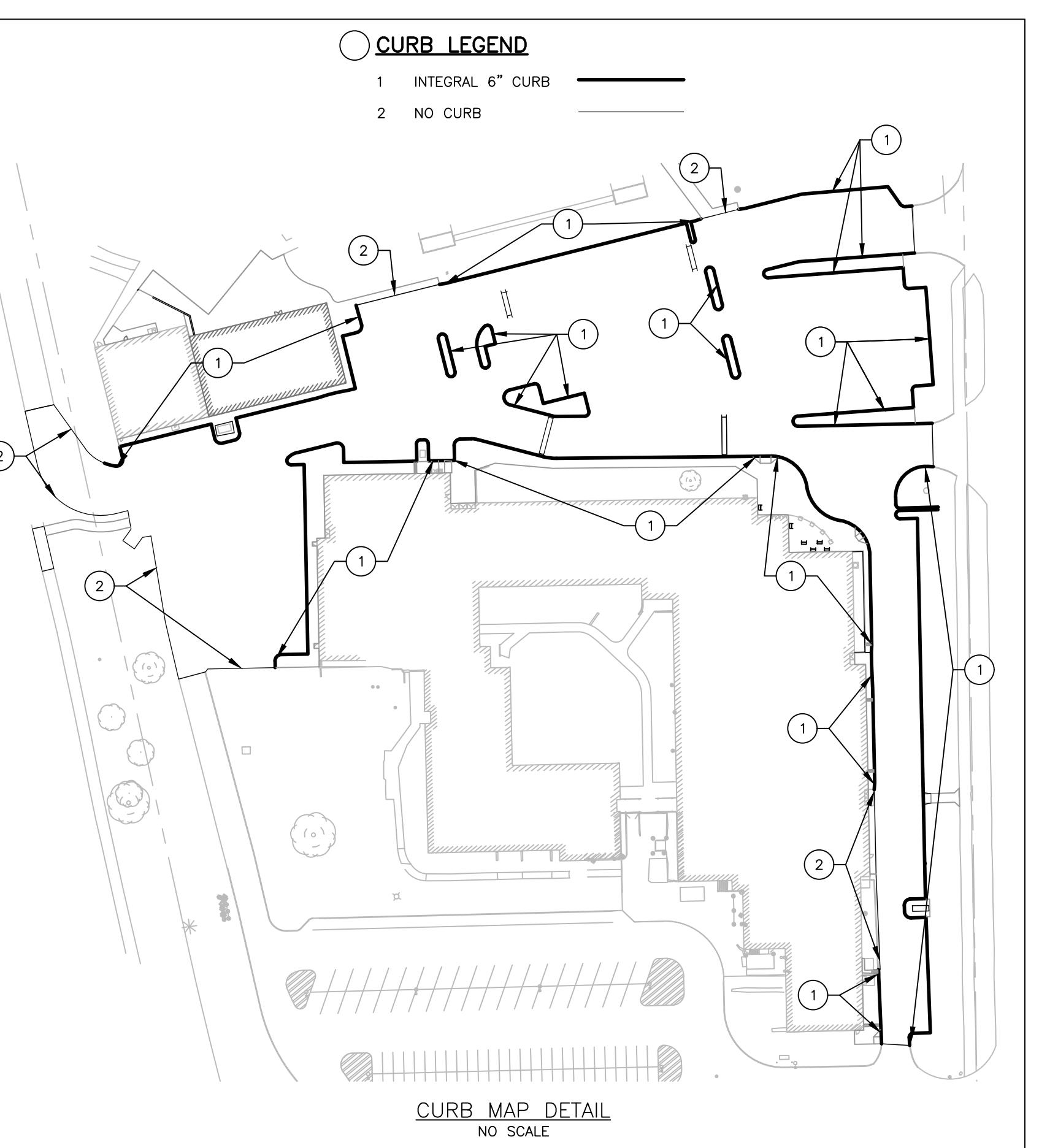
7030.201 SIDEWALK CONSTRUCTION
7030.202 CURB DETAIL FOR CLASS A SIDEWALK
7030.204 GENERAL FEATURES FOR ACCESSIBLE SIDEWALK
7030.205 SIDEWALK, CURB, AND CURB RAMP DETAILS
7030.206 CURB RAMPS OUTSIDE OF INTERSECTION RADIUS
7030.207 CURB RAMP FOR CLASS B OR C SIDEWALK
7030.208 CURB RAMP FOR CLASS C SIDEWALK
7030.209 CONCRETE CURB RAMP FOR CLASS B OR C SIDEWALK
7030.210 DETECTABLE WARNING PLACEMENT

FENCE NOTES

- FENCE AND GATES SHALL BE ZINC-COATED STEEL CHAIN LINK FENCE (GALVANIZED). SEE SECTION 9060 OF THE SUDAS SPECIFICATIONS MANUAL.
- SAMPLES MUST BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO INSTALLATION.
- ALL FENCE SHALL HAVE BOTTOM TENSION WIRE. ALL GATES SHALL HAVE TOP RAIL AND BOTTOM RAIL.
- THE CONTRACTOR SHALL FIELD VERIFY PROPERTY LINE LOCATIONS PRIOR TO FENCE CONSTRUCTION.

SEGMENTAL WALL NOTES

- THE SEGMENTAL RETAINING WALL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 605 OF THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION CURRENT EDITION AND IN ACCORDANCE WITH THE NEMA DESIGN MANUAL.
- CONTRACTOR SHALL PROVIDE RETAINING WALL DESIGN BY A PROFESSIONAL ENGINEER REGISTERED IN NEBRASKA PER MANUFACTURER'S RECOMMENDATIONS.
- THE APPROVED SEGMENTAL BLOCK UNITS ARE: ANCHOR VERTICA PRO, KEYSTONE STANDARD UNIT 21, AND ROCKWOOD LEGEND. BLOCKS MUST BE A MINIMUM UNIT WEIGHT OF 95 LBS. SHORT TAIL BLOCKS WILL NOT BE AN APPROVED SUBSTITUTE.
- BLOCK FACE AND COLOR SHALL BE COORDINATED WITH PROPERTY OWNER AND ENGINEER.
- IN ADDITION TO THE PROJECT SPECIFICATIONS, FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
- IF CONDITIONS ARE DIFFERENT THAN THOSE STATED IN THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR MUST CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE WALL.
- SOIL PARAMETERS USED FOR THE DESIGN OF THE WALL SHALL BE AS DETERMINED BY THE GEOTECHNICAL ENGINEER. SEE COMPACTION TABLE ON GRADING PLAN FOR GEOTECHNICAL ENGINEER CONTACT INFORMATION.
- THE STRUCTURE'S DESIGN HEIGHT SHALL BE MEASURED FROM THE TOP OF THE LEVELING PAD TO THE TOP OF THE WALL.
- WALL ALIGNMENTS ARE SHOWN FOR A SINGLE ELEVATION OF WALL. WHERE LEVELING PAD ELEVATION RAISES OR LOWERS, THE ALIGNMENT SHALL BE MOVED IN OR OUT DUE TO WALL BATTER.
- SECTION 1013, GUARDS OF THE 2006 UNIFORM BUILDING CODE REQUIRES THAT "GUARDS SHALL BE REQUIRED ALONG OPEN-SIDED WALKING SURFACES, MEZZANINES, INDUSTRIAL EQUIPMENT PLATFORMS, STAIRWAYS, RAMPS AND LANDINGS THAT ARE LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW. GUARDS SHALL FORM A PROTECTIVE BARRIER NOT LESS THAN 36 INCHES HIGH, MEASURED VERTICALLY ABOVE THE LEADING EDGE OF THE TREAD, ADJACENT WALKING SURFACE OR ADJACENT SEATBOARD."
- CONTRACTOR SHALL COORDINATE WITH THE OWNER, ARCHITECT AND ENGINEER TO DETERMINE IF BARRIERS ARE REQUIRED FOR WALL SECTIONS WITH AN EXPOSED HEIGHT GREATER THAN 30 INCHES.
- LAMP RYNEARSON RECOMMENDS THAT THE OWNER/ARCHITECT HIRE A GEOTECHNICAL ENGINEER TO PERFORM ANY REQUIRED ON-SITE MATERIALS TESTING OR CONSTRUCTION OBSERVATION. LAMP RYNEARSON WILL NOT BE RESPONSIBLE FOR PROVIDING THESE SERVICES.
- LAMP RYNEARSON WILL NOT REVIEW SHOP DRAWINGS FOR MODULAR BLOCK RETAINING WALLS. IF THE OWNER REQUIRES THIS REVIEW, LAMP RYNEARSON RECOMMENDS THE OWNER/ARCHITECT HIRE A GEOTECHNICAL ENGINEER TO PERFORM THIS SERVICE.



PAVING

P1. CONSTRUCT 7" PAVEMENT WITH INTEGRAL CURB AND GUTTER. CURB SHALL BE 4" STANDARD CURB, PER STANDARD ROAD PLAN P4-102. ALL CURBS SHALL BE PAINTED YELLOW.

P2. CONSTRUCT 5" THICK PCC SIDEWALK. SEE DETAIL, SHEET 15.

P3. CONSTRUCT CURB TAPER FROM 6" TO 0".

P4. CONSTRUCT BT JOINT PER SUDAS SECTION 7010 FIGURE 7010.101 (P4-101) WITH 18" #5 EPOXY COATED TIE BARS AT 36" CENTERS. DRILL EXISTING CONCRETE PAVEMENT AND GROUT IN PLACE WITH NON-SHRINK GROUT.

P5. CONSTRUCT ZERO HEIGHT CURB.

P6. CONSTRUCT PAVEMENT PARKING STRIPING. STRIPED ISLANDS SHALL BE PAINTED IN ACCORDANCE WITH THE SPACING AND STRIPING THICKNESS OF THE TYPICAL ACCESSIBLE STRIPING DETAILS, SHEET 15.

P7. FURNISH AND INSTALL 1" EXPANSION JOINT WITH SEALANT WHEN SIDEWALK IS ADJACENT TO THE BUILDING/RETAINING WALL/PARKING LOT CURB. SEE DETAIL SHEET 15. (NOT A SEPARATE PAY ITEM. INCIDENTAL TO SIDEWALK, PCC)

P8. PROTECT BUILDING STRUCTURAL STOOP. INSTALL 1" EXPANSION JOINT WITH SEALANT TYPICAL AT ALL STOOP LOCATIONS. (NOT A SEPARATE PAY ITEM. INCIDENTAL TO SIDEWALK, PCC)

P9. CONSTRUCT ACCESSIBLE STALLS, ADA STRIPING, AND SIGNAGE. SEE DETAIL SHEET 15.

P10. CONSTRUCT PRECAST CONCRETE WHEEL STOP.

P11. LIGHT POLE. SEE ELECTRICAL PLANS, SHEET 15 FOR MORE INFORMATION.

P12. CONSTRUCT CONCRETE SPEED BUMP. SEE DETAIL SHEET 15.

P13. CONSTRUCT CURB RAMP PER SECTION 7030 OF THE SUDAS SPECIFICATIONS MANUAL. SEE SUDAS FIGURE 7030.210 FOR REQUIRED DETECTABLE WARNING PANEL PLACEMENT.

P14. CONSTRUCT 6' CHAIN LINK FENCE. SEE FENCE NOTES THIS SHEET FOR DETAILS.

P15. CONSTRUCT 20' WIDE X 6' TALL VEHICULAR ACCESS CHAIN LINK DOUBLE GATE.

P16. CONSTRUCT 4" WIDE SOLID YELLOW PAVEMENT STRIPING.

P17. CONSTRUCT 4" WIDE DASHED YELLOW PAVEMENT STRIPING.

P18. CONSTRUCT PAINTED PAVEMENT ARROWS, PER "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)".

P19. CONSTRUCT THICKENED EDGE, SEE DETAIL, SHEET 15.

P20. FURNISH AND INSTALL STOP SIGN.

P21. REINSTALL SALVAGED SIGNS. COORDINATE WITH OWNER.

P22. ADJUST UTILITY MANHOLE TO GRADE.

P23. CONSTRUCT PAINTED 12" WIDTH WHITE STOP BAR.

P24. CURB SHALL BE PAINTED RED.

P25. PAVEMENT SHALL BE PAINTED BLUE.

P26. PAVEMENT SHALL BE PAINTED GREEN.

P27. FURNISH AND INSTALL YIELD TO BUS SIGN.

P28. CONSTRUCT DOWNSPOUT FLUME AND COVER. SEE DETAIL, SHEET 15.

P29. CONSTRUCT BOLLARD. SEE DETAIL, SHEET 15.

P30. CONSTRUCT 8' WIDE X 6' TALL MAN GATE ACCESS CHAIN LINK GATE.

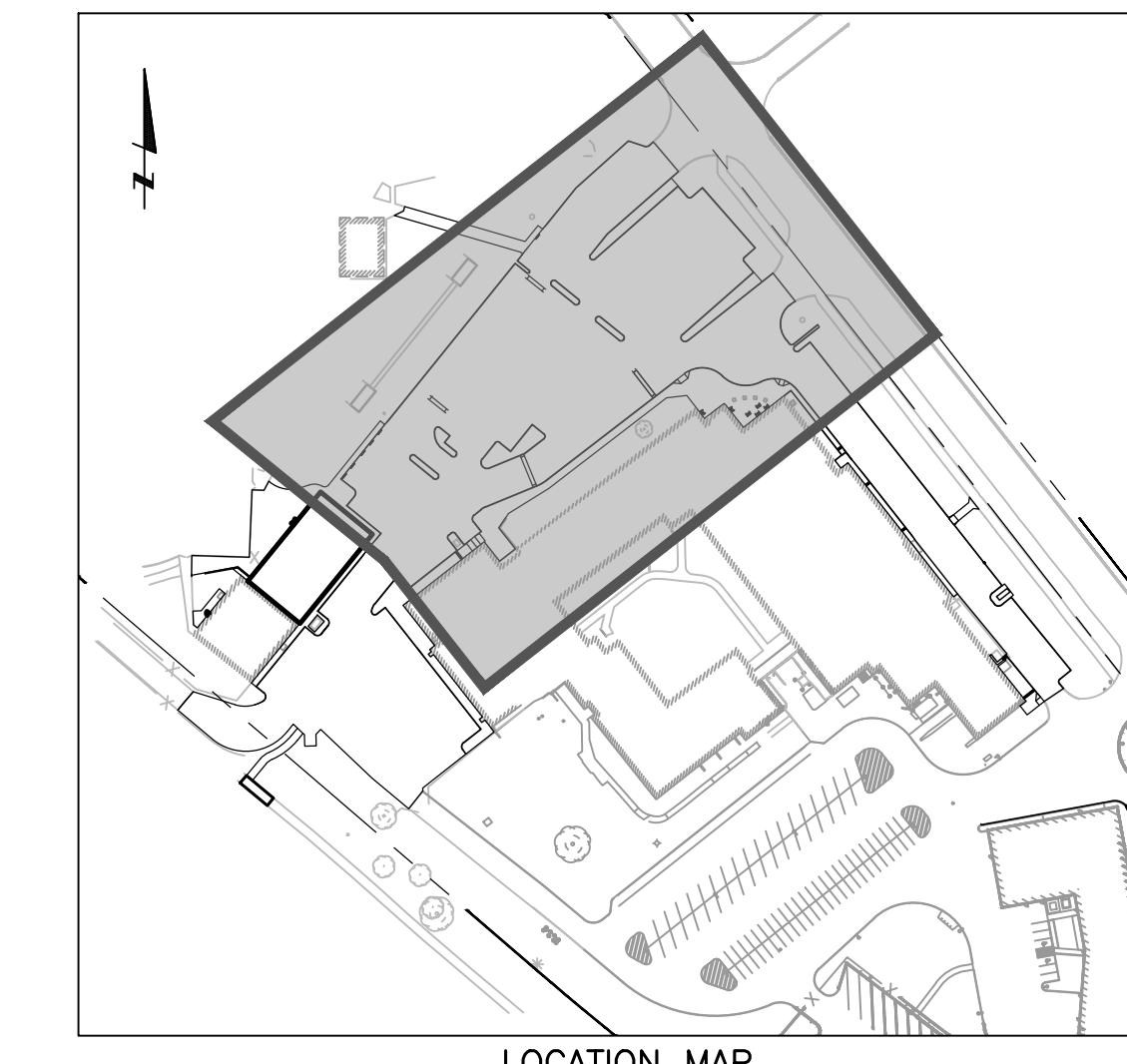
P31. COORDINATE WITH OWNER FOR REINSTALLATION LOCATION FOR SALVAGED BENCHES.

P32. CONSTRUCT SHARED USE PATH TO MATCH EXISTING. CONTRACTOR TO OBTAIN NECESSARY PERMITS AND REQUIRED APPROVALS FROM CITY FOR TRAIL WORK.

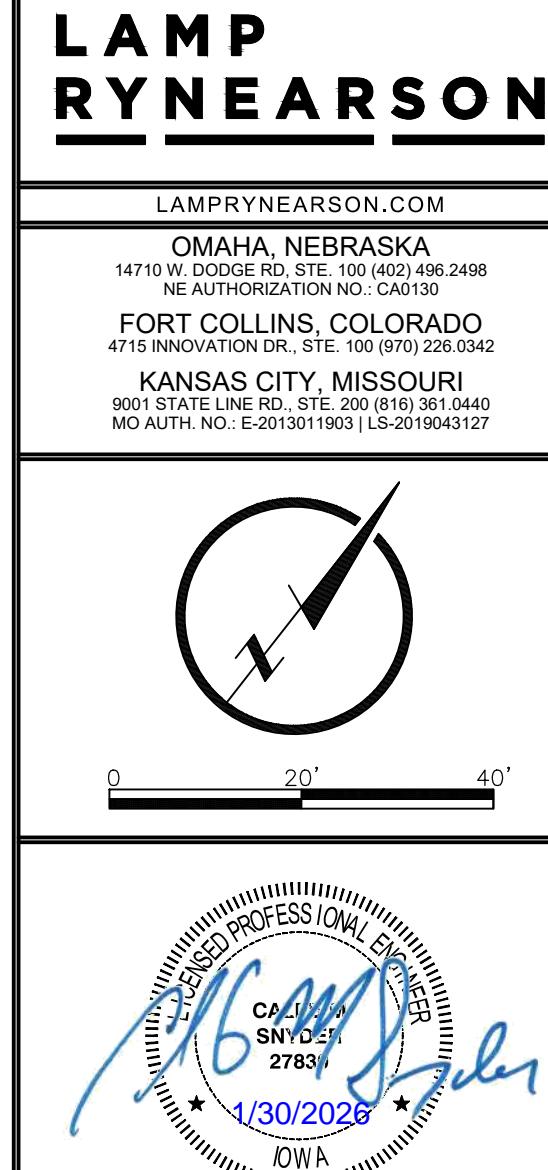
P33. CONSTRUCT SEGMENTAL BLOCK RETAINING WALL.

P34. REINSTALL SALVAGED GUARDRAIL. COORDINATE WITH OWNER.

P35. CONSTRUCT 4" SLOPED CURB.



LOCATION MAP



1/30/2020
CALEB M. SNYDER
E-27830

ENLARGED PAVING PLAN-1 OF 2

LEWIS CENTRAL COMMUNITY SCHOOLS – 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 – MIDDLE SCHOOL PARKING LOT IMPROVEMENT

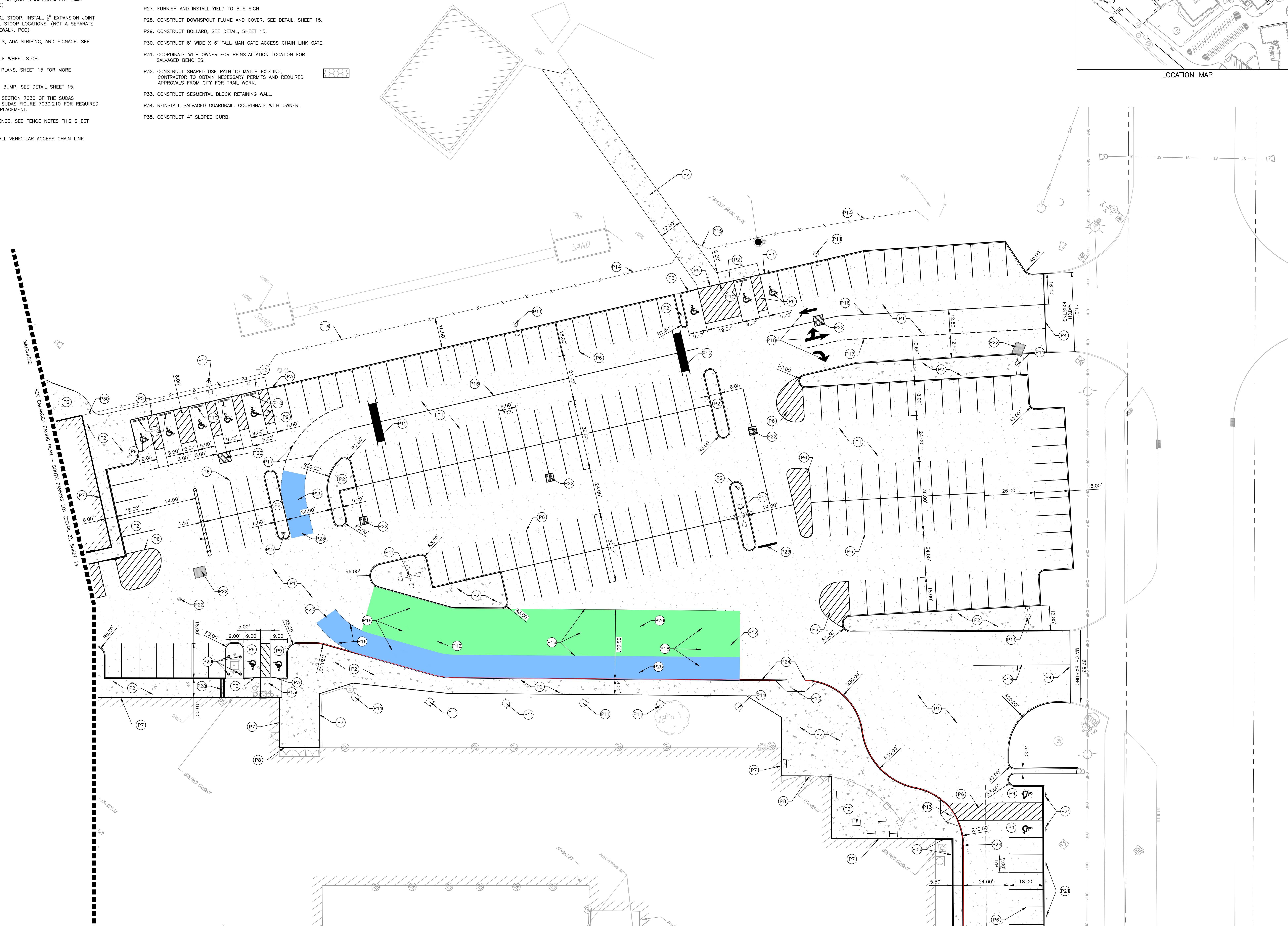
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DESIGNER / DRAFTER
AUSTIN HOOPS / JOE HOFERER
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01-29-2026
PROJECT NUMBER
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13 OF 16



ENLARGED PAVING PLAN – MAIN PARKING LOT

SEE ENLARGED PAVING PLAN – NORTH PARKING LOT (DETAIL 3), SHEET 14

CALEB M. SNYDER
E-27830

ENLARGED PAVING PLAN-2 OF 2

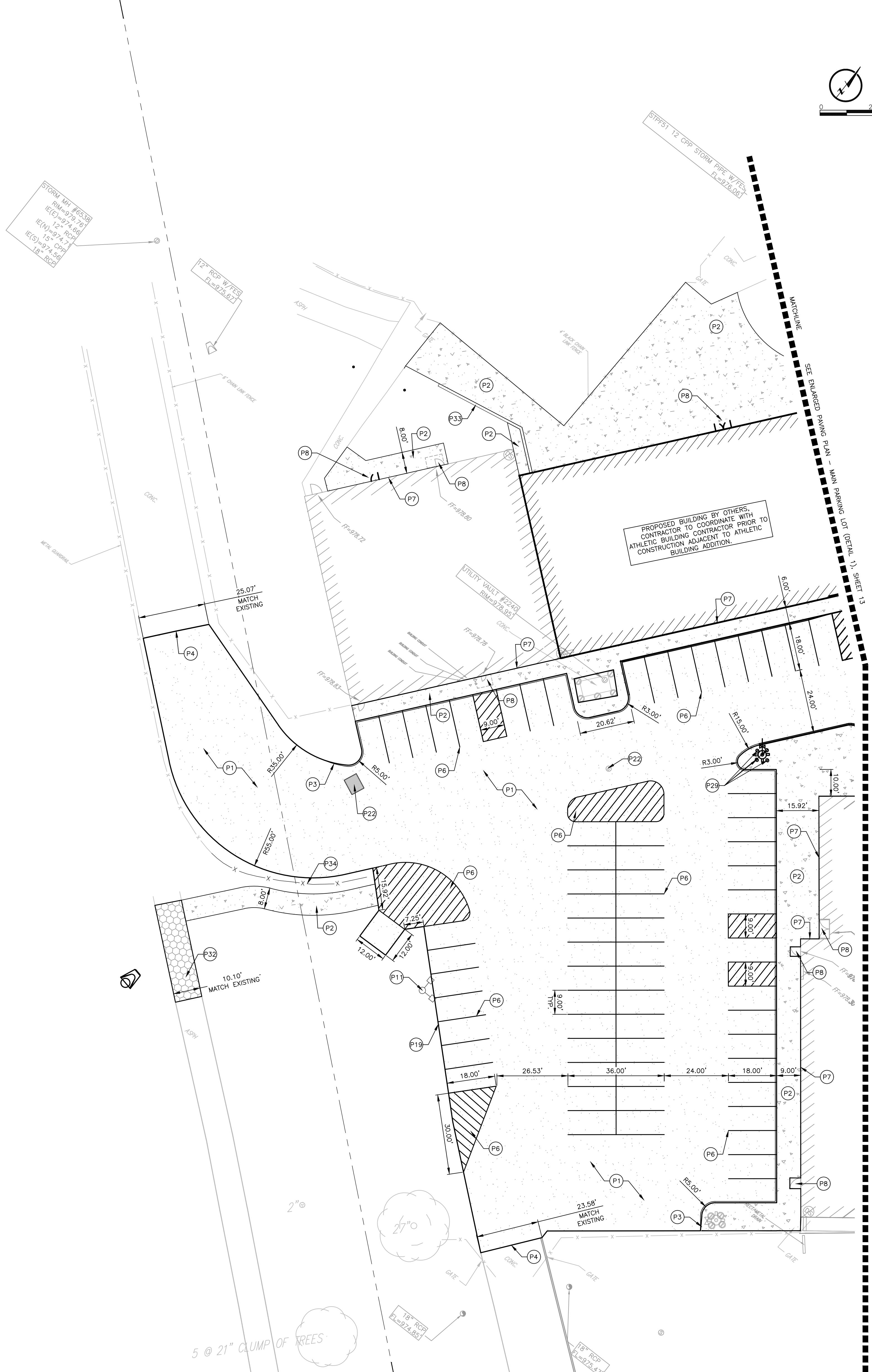
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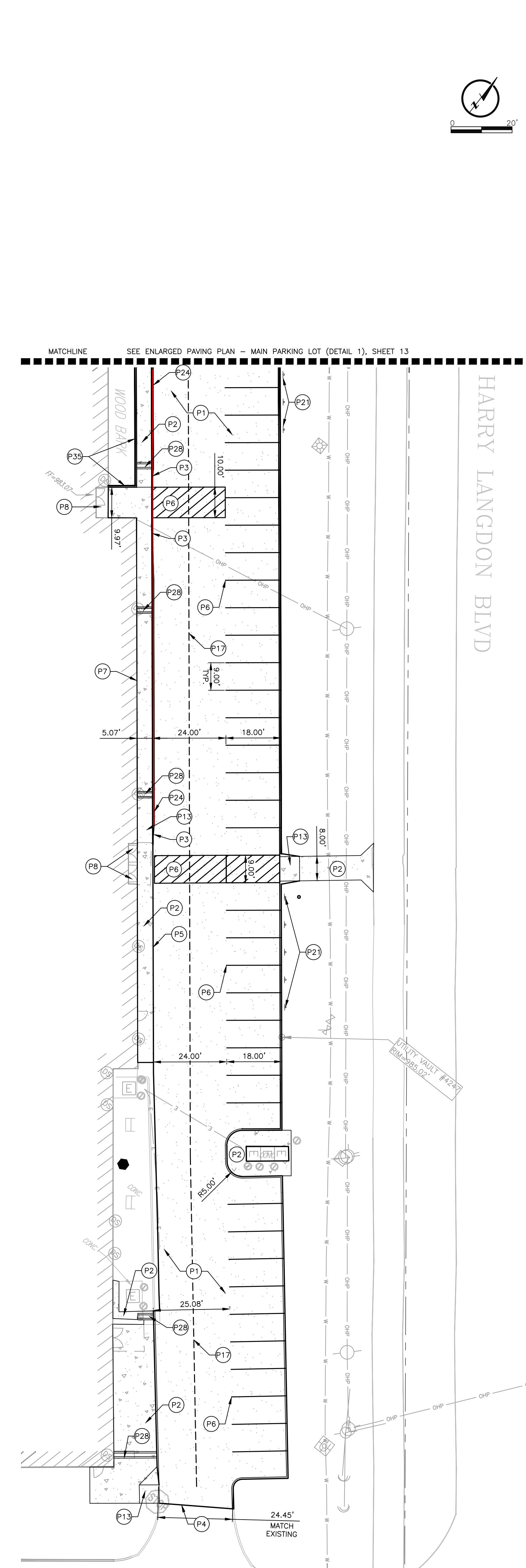
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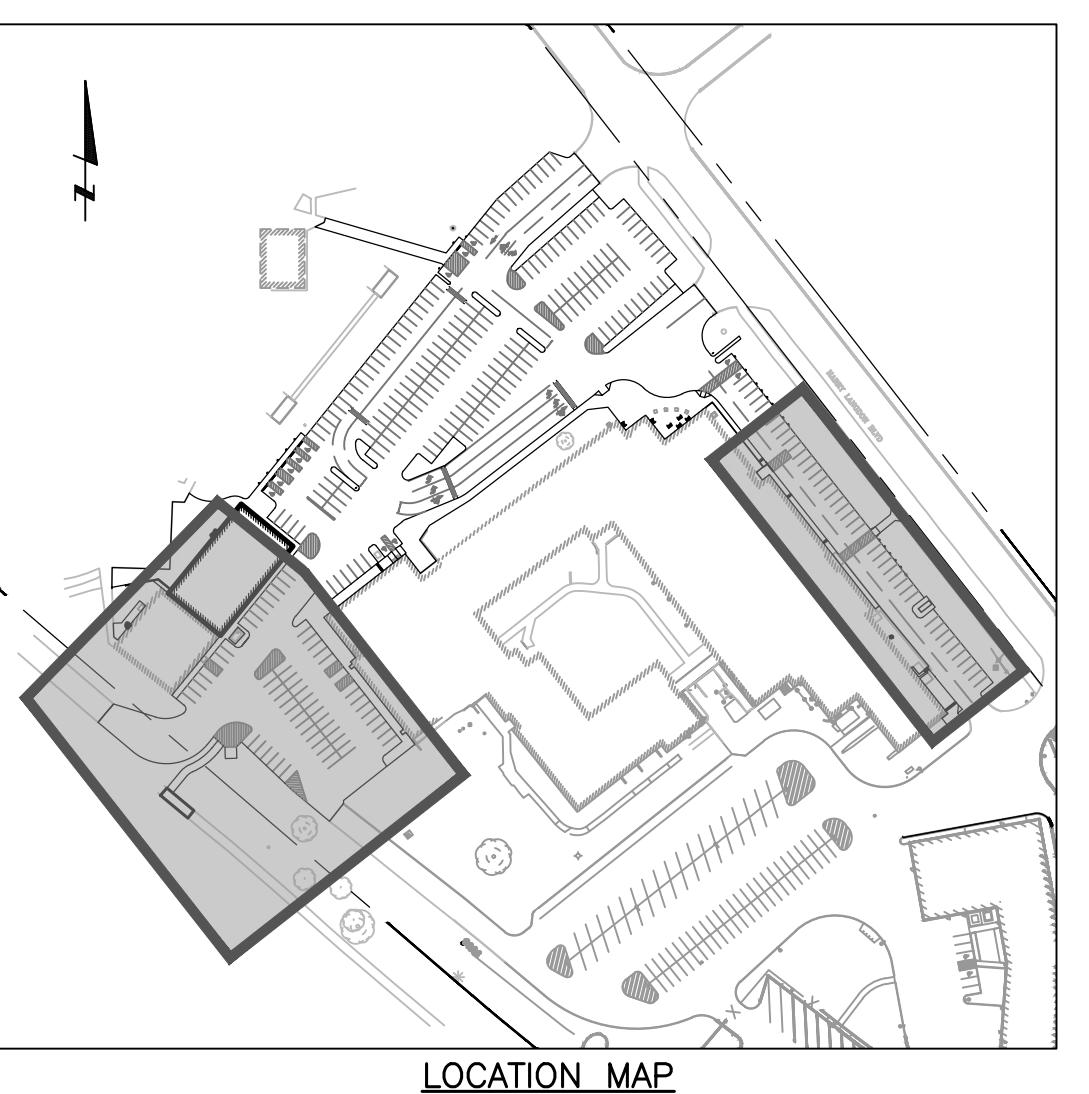
14 OF 16



2 ENLARGED GRADING PLAN - SOUTH PARKING LOT



3 ENLARGED GRADING PLAN - NORTH PARKING LOT



LOCATION MAP

PAVING

- P1. CONSTRUCT 7" PAVEMENT WITH INTEGRAL CURB AND GUTTER. CURB SHALL BE 6" STANDARD CURB, PER STANDARD ROAD PLAN PV-102. ALL CURBS SHALL BE PAINTED YELLOW.
- P2. CONSTRUCT 5" THICK PCC SIDEWALK. SEE DETAIL, SHEET 15.
- P3. CONSTRUCT CURB TAPER FROM 6" TO 0".
- P4. CONSTRUCT BT JOINT PER SUDAS SECTION 7010 FIGURE 7010.101 (PV-101) WITH 18" #5 EPOXY COATED TIE BARS AT 36" CENTERS. DRAINING CONCRETE PAVEMENT AND GROUT IN PLACE WITH NON-SHRINK GROUT.
- P5. CONSTRUCT ZERO HEIGHT CURB.
- P6. CONSTRUCT PAVEMENT PARKING STRIPING. STRIPED ISLANDS SHALL BE PAINTED IN ACCORDANCE WITH THE SPACING AND STRIPING THICKNESS OF THE TYPICAL ACCESSIBLE STRIPING DETAILS, SHEET 15.
- P7. FURNISH AND INSTALL 1" EXPANSION JOINT WITH SEALANT WHEN SIDEWALK IS ADJACENT TO THE BUILDING/RETAINING WALL/PARKING LOT CURB. SEE DETAIL SHEET 15. (NOT A SEPARATE PAY ITEM. INCIDENTAL TO SIDEWALK, PCC)
- P8. PROTECT BUILDING STRUCTURAL STOOP. INSTALL 1" EXPANSION JOINT WITH SEALANT TYPICAL AT ALL STOOP LOCATIONS. (NOT A SEPARATE PAY ITEM. INCIDENTAL TO SIDEWALK, PCC)
- P9. CONSTRUCT ACCESSIBLE STALLS, ADA STRIPING, AND SIGNAGE. SEE DETAIL SHEET 15.
- P10. CONSTRUCT PRECAST CONCRETE WHEEL STOP.
- P11. LIGHT POLE. SEE ELECTRICAL PLANS, SHEET 15 FOR MORE INFORMATION.
- P12. CONSTRUCT CONCRETE SPEED BUMP. SEE DETAIL SHEET 15.
- P13. CONSTRUCT CURB RAMP PER SECTION 7030 OF THE SUDAS SPECIFICATIONS MANUAL. SEE SUDAS FIGURE 7030.210 FOR REQUIRED DETECTABLE WARNING PANEL PLACEMENT.
- P14. CONSTRUCT 6" CHAIN LINE FENCE. SEE FENCE NOTES THIS SHEET FOR DETAILS.
- P15. CONSTRUCT 20" WIDE X 6' TALL VEHICULAR ACCESS CHAIN LINK DOUBLE GATE.
- P16. CONSTRUCT 4" WIDE SOLID YELLOW PAVEMENT STRIPING.
- P17. CONSTRUCT 4" WIDE DASHED YELLOW PAVEMENT STRIPING.
- P18. CONSTRUCT PAINTED PAVEMENT ARROWS, PER "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)".
- P19. CONSTRUCT THICKENED EDGE, SEE DETAIL, SHEET 15.
- P20. FURNISH AND INSTALL STOP SIGN.
- P21. REINSTALL SALVAGED SIGNS. COORDINATE WITH OWNER.
- P22. ADJUST UTILITY MANHOLE TO GRADE.
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- P28. CONSTRUCT DOWNSPOUT FLUME AND COVER. SEE DETAIL, SHEET 15.
- P29. CONSTRUCT BOLLARD. SEE DETAIL, SHEET 15.
- P30. CONSTRUCT 8" WIDE X 6' TALL MAN GATE ACCESS CHAIN LINK GATE.
- P31. COORDINATE WITH OWNER FOR REINSTALLATION LOCATION FOR SALVAGED BENCHES.
- P32. CONSTRUCT SHARED USE PATH TO MATCH EXISTING. CONTRACTOR TO OBTAIN NECESSARY PERMITS AND REQUIRED APPROVALS FROM CITY FOR TRAIL WORK.
- P33. CONSTRUCT SEGMENTAL BLOCK RETAINING WALL.
- P34. REINSTALL SALVAGED GUARDRAIL. COORDINATE WITH OWNER.
- P35. CONSTRUCT 4" SLOPED CURB.

14 OF 16

CALEB M. SNYDER
E-27830


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15 OF 16



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.
 STEPHEN M. FARRINGTON 01/29/2026
 STEPHEN M. FARRINGTON (Signature)
 My license renewal date is December 31, 2027
 Pages or sheets covered by this seal:
 E0.0, ED1.0, E1.0, DIVISION 26 SPECIFICATIONS

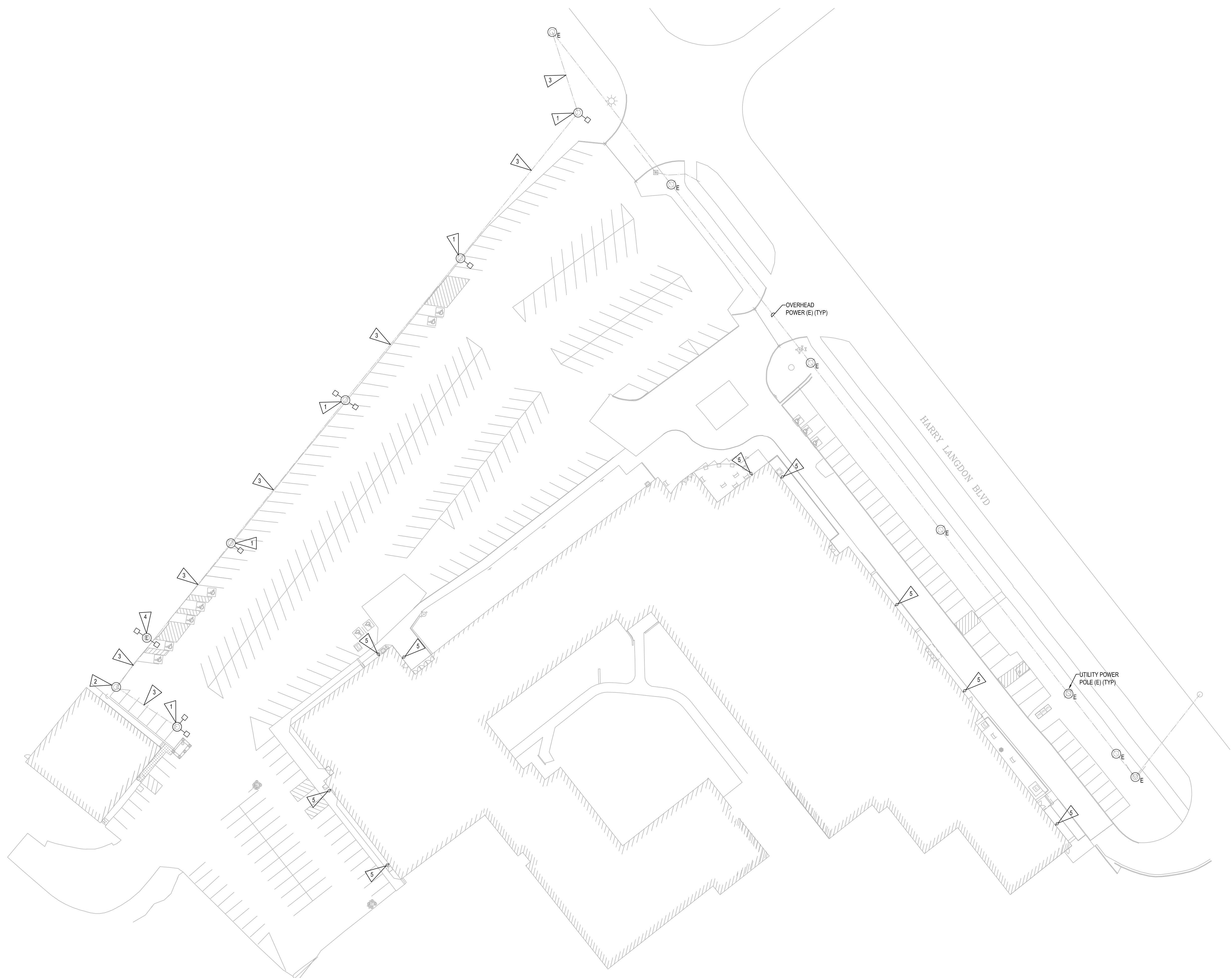
ELECTRICAL SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LUMINAIRE		LIGHTING
	LUMINAIRE CONNECTED TO EMERGENCY CIRCUIT OR BATTERY		SINGLE POLE SWITCH
	STEP LUMINAIRE		3-POLE SWITCH
	WALL MOUNTED LUMINAIRE		WALL BOX DIMMER SWITCH
	WALL MOUNTED LUMINAIRE DENOTES DIRECTIONAL MARK		WALL MOUNTED MOTION SENSOR SWITCH
	EMERGENCY BATTERY PACK		LOW VOLTAGE LIGHTING CONTROL SWITCH
	POLE MOUNTED LUMINAIRE		CEILING MOUNTED END LIGHT WITH DIRECTIONAL ARROW
	ROUNDED LUMINAIRE		WALL OR END MOUNTED END LIGHT WITH DIRECTIONAL ARROW
LUMINAIRE SCHEDULE		FIRE ALARM	
E0.0, ED1.0, E1.0, DIVISION 26 SPECIFICATIONS			FIRE ALARM SMOKE DETECTOR
			FIRE ALARM HORN/STROBE COMBINATION
			CEILING FIRE ALARM SMOKE DETECTOR
			WALL FIRE ALARM STROBE
			CEILING FIRE ALARM STROBE & SMOKE COMBINATION
			CEILING FIRE ALARM SPEAKER & STROBE COMBINATION
			EMERGENCY BATTERY BACKUP & STROBE COMBINATION
			CEILING FIRE ALARM SPEAKER
			WALL FIRE ALARM SPEAKER
		POWER	
			CIRCUIT BREAKER - COMBINATION POWER & DATA
			GENERATOR
			MOTOR/GENERATOR - LENGTH AS INDICATED
			MOTOR/GENERATOR HOSPITAL GRADE TYPE
			UNIVERSAL SERIAL BUS TYPE
			UNIVERSAL SERIAL BUS USB TYPE
			DOUBLE SHADING INDENTITY RED DEVICE
			HORIZONTAL MOUNTED DUPLEX RECEPTACLE
			HORIZONTAL MOUNTED DUPLEX RECEPTACLE
			CONDUIT SLEEVE (1" UNLESS NOTED OTHERWISE ON PLANS)
			SINGLE RECEPTACLE
			RANGE RECEPTACLE NEMA 14-30 (120/250 30A)
			RANGE RECEPTACLE NEMA 14-50 (120/250 50A)
			SINGLE RECEPTACLE NEMA 14-50 (120/250 50A)
		COMMUNICATION	
			WALL PHONE OUTLET
			CEILING MICROPHONE DATA OUTLET
			CEILING WIRELESS ACCESS POINT OUTLET
			CEILING MICROPHONE OUTLET
			CEILING TELEPHONE OUTLET
			CONDUIT SLEEVE
			CEILING SPEAKER
			CEILING MOTION DETECTOR
			CEILING SURVEILLANCE CAMERA (INDICATES TYPE)
			WALL MICROPHONE OUTLET
			WALL MICROPHONE OUTLET
			DOOR POSITION SWITCH
			DOOR STRIKE
			DOOR STRIKE RETRACTION
			DOOR STATION
		SECURITY	
			CEILING MOUNTED SECURITY MOTION DETECTOR
			CEILING MOTION DETECTOR
			WALL MOUNTED REQUEST TO EXIT MOTION SENSOR
			DOOR POSITION SWITCH
			DOOR STRIKE
			DOOR STRIKE RETRACTION
			WANDER GUARD
		GENERAL	
			DISTRIBUTION PANEL, SWITCHBOARD OR MOTOR CONTROL CENTER
			CABINET ENCLOSURE OR CONTROL PANEL, TYPE INDICATED ON PLANS
			CONDUIT REAL
			CONDUIT REAL
			BRANCH CIRCUIT CONCEALED IN CEILING OR WALL
			BRANCH CIRCUIT CONCEALED IN FLOOR
			CONDUIT STUBOUT
			CONDUIT STUBOUT
			CONDUIT STUBOUT
			BELL
			BELL
			BUZZER
			Subscription 'E' added to any symbol indicates Existing
			Subscription 'R' added to any symbol indicates Relocated
			Subscription 'T' added to any floor outlet indicates Tradeable
			Subscription 'W' added to any symbol indicates Weatherproof
			Subscription 'W' added to any symbol indicates Existing
			Subscription 'W' added to any symbol indicates Relocated
			Subscription 'W' added to any symbol indicates Tradeable
			Subscription 'W' added to any symbol indicates Weatherproof
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			Subscription 'W' added to any symbol indicates Relocated

DEMOLITION NOTES

- 1 COORDINATE REMOVAL OF UTILITY-OWNED LIGHTING POLE WITH MIDAMERICAN.
- 2 COORDINATE REMOVAL OF UTILITY-OWNED POWER POLE WITH MIDAMERICAN.
- 3 COORDINATE REMOVAL OF OVERHEAD POWER LINES WITH MIDAMERICAN.
- 4 REMOVE LIGHTING FIXTURE POLE AND DISCONNECT CIRCUIT. HAND OVER POLE/FIXTURES TO SCHOOL.
- 5 REMOVE EXISTING WALLPACK. LEAVE ALL CIRCUITING IN PLACE. SEE NEW WORK PLANS FOR REPLACEMENT FIXTURE.

ELECTRICAL SITE PLAN - DEMOLITION

LEWIS CENTRAL COMMUNITY SCHOOLS - 3820 HARRY LANGDON BOULEVARD
COUNCIL BLUFFS, IOWA 51503 - MIDDLE SCHOOL PARKING LOT IMPROVEMENT



1
ED1.0 1" = 40'-0"
ELECTRICAL SITE PLAN - DEMOLITION



SITE LIGHTING SCHEDULE

SITE LIGHTING SCHEDULE												
FIXT #	MANUFACTURER	CATALOG NO. - NOTE 1	BEAM DIST.	LAMP DATA		VOLTAGE	QTY. PER POLE	POLE DESCRIPTION			DESCRIPTION	REMARKS
				SIZE	TYPE			TYPE NOTE 2	FINISH	HT. (FT.)		
A1	LITHONIA	DSX1 LED P4 40K 70CRI T4M MVOLT RPA PER DBLXD	IV	16,272 LM	LED	208 V	1	RSS	BL	25'	SINGLE HEAD	NOTE 3
A2	LITHONIA	DSX1 LED P4 40K 70CRI T4M MVOLT RPA PER DBLXD	IV	16,272 LM	LED	208 V	2	RSS	BL	25'	DOUBLE HEAD	NOTES 3,4
A4	LITHONIA	DSX1 LED P4 40K 70CRI T4M MVOLT RPA PER DBLXD	IV	16,272 LM	LED	208 V	4	RSS	BL	25'	QUAD HEAD	NOTE 3
B1	LITHONIA	TWPX2 P3 40K MVOLT PE DBLXD	-	5,050 LM	LED	120/277 V	-	-	-	-	WALL PACK	
B2	LITHONIA	TWPX3 P4 40K MVOLT PE DBLXD	-	13,200 LM	LED	120/277 V	-	-	-	-	WALL PACK	
C	LIGMAN	USM-21031 58W W40 01 120/277V	-	5,172 LM	LED	120 V	-	-	-	-	POLE LIGHT	

NOT

NOTES:

1. CONTRACTOR SHALL VERIFY LIGHT FIXTURE CATALOG NUMBER & INSTALLATION REQUIREMENTS PRIOR TO ORDERING.
2. POLE TYPE DESCRIPTION: SSS = SQUARE STRAIGHT STEEL, STS = SQUARE TAPERED STEEL, RSS = ROUND STRAIGHT STEEL, RTS = ROUND TAPERED STEEL.
3. PROVIDE WITH 'DLL127F 1.5 JU' PHOTOCELL.
4. SEE PLANS FOR MOUNTING CONFIGURATION.

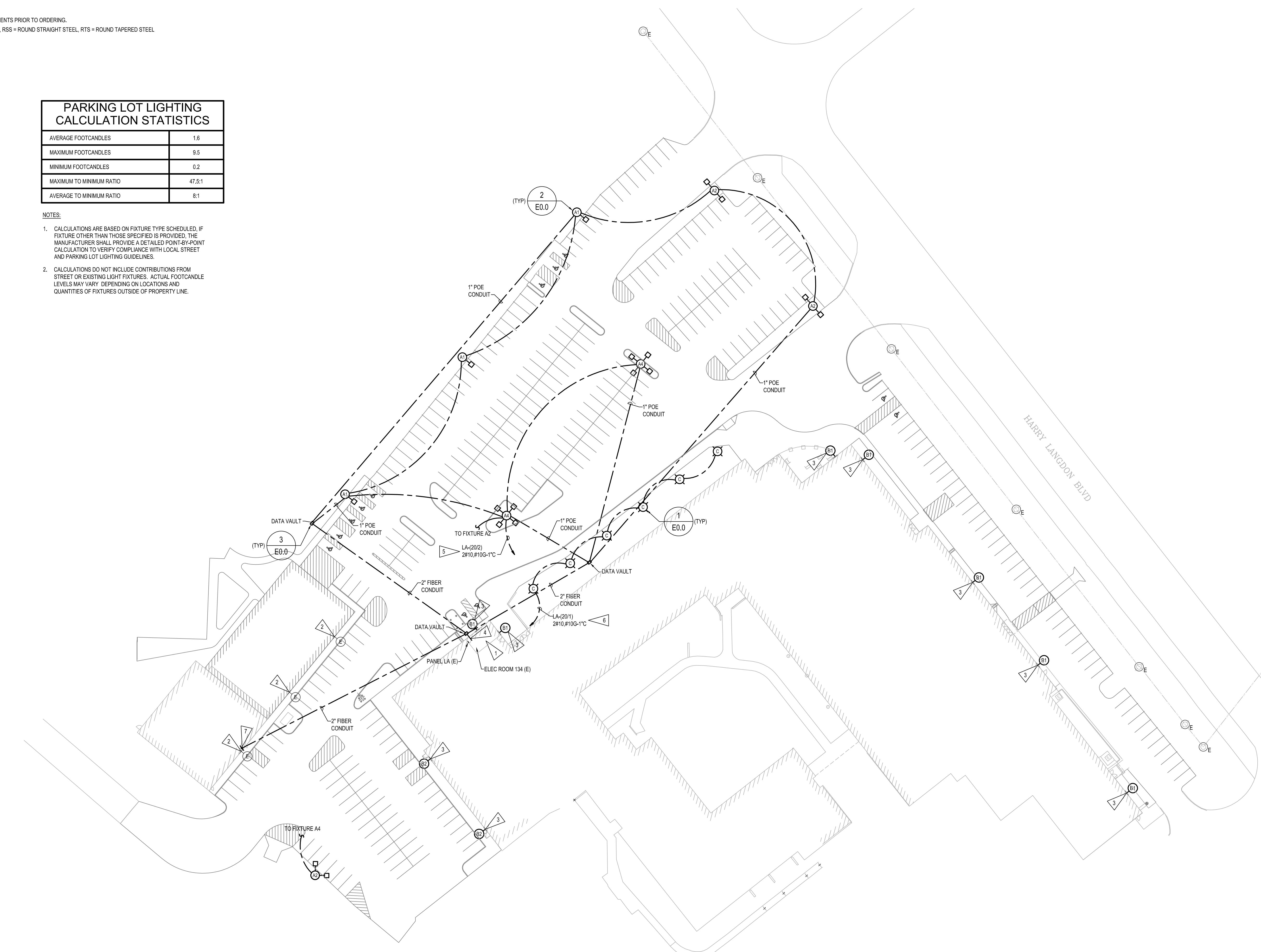
PARKING LOT LIGHTING CALCULATION STATISTIC

AVERAGE FOOTCANDLES	1.6
MAXIMUM FOOTCANDLES	9.5
MINIMUM FOOTCANDLES	0.2
MAXIMUM TO MINIMUM RATIO	47.5
AVERAGE TO MINIMUM RATIO	8.1

N

NOTES:

1. CALCULATIONS ARE BASED ON FIXTURE TYPE SCHEDULED, IF FIXTURE OTHER THAN THOSE SPECIFIED IS PROVIDED, THE MANUFACTURER SHALL PROVIDE A DETAILED POINT-BY-POINT CALCULATION TO VERIFY COMPLIANCE WITH LOCAL STREET AND PARKING LOT LIGHTING GUIDELINES.
2. CALCULATIONS DO NOT INCLUDE CONTRIBUTIONS FROM STREET OR EXISTING LIGHT FIXTURES. ACTUAL FOOTCANDLE LEVELS MAY VARY DEPENDING ON LOCATIONS AND QUANTITIES OF FIXTURES OUTSIDE OF PROPERTY LINE.



1 ELECTRICAL SITE PLAN - NEW WORK

1" = 40'-0"

morrissey
engineering inc

mechanical | electrical | lighting | technology | commissioning

4940 North 118th Street
Omaha, NE 68164

P: 402.491.4144

Nebraska COA Number: CA-0835

www.morrisseyengineering.com

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