

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

CONSTRUCTION PLANS FOR

9282.00 PARKING LOT 1 REPLACEMENT

DES MOINES, IA
SEPTEMBER, 2023

GOVERNING SPECIFICATIONS

THE 2023 EDITION OF THE "IOWA STATEWIDE URBAN SPECIFICATIONS FOR PUBLIC IMPROVEMENTS".

MUTCD 2009 AS ADOPTED BY IOWA DEPARTMENT OF TRANSPORTATION.

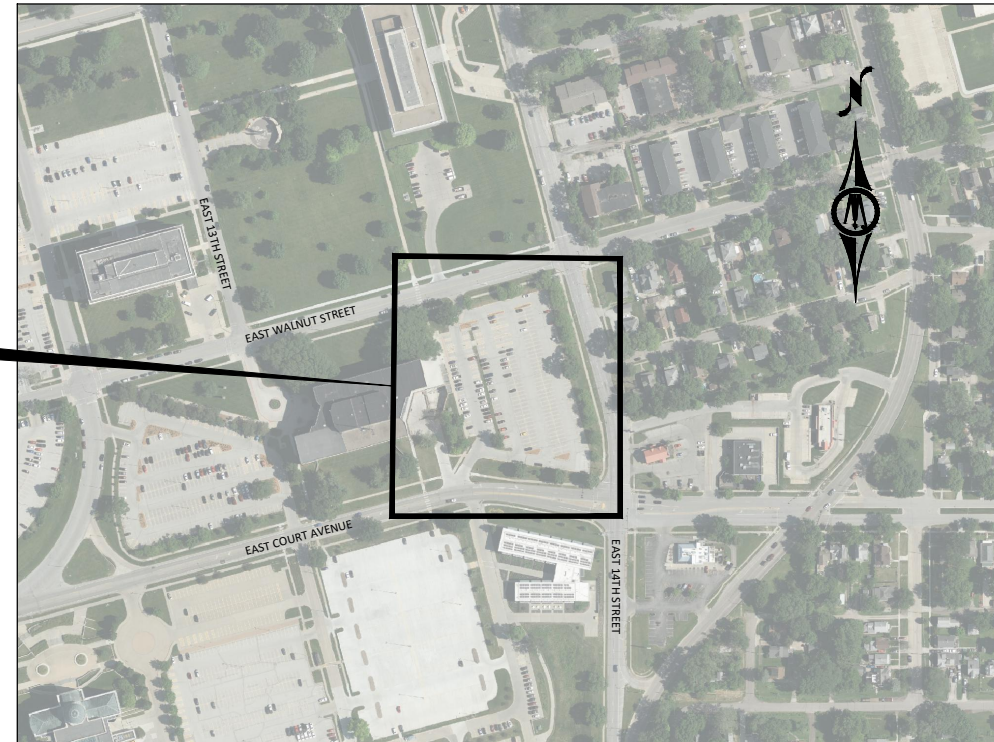
ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITHIN THE CONSTRUCTION OF THIS PROJECT.



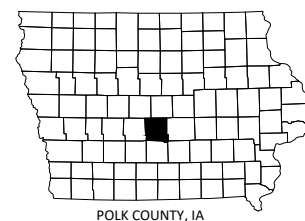
NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL 1-800-292-8989 OR 811

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

PROJECT LOCATION



MAP OF THE
CITY OF DES MOINES
POLK COUNTY, IA



SHEET INDEX			
NUMBER	DESCRIPTION	REVISION	DATE REVISED
A.01	TITLE SHEET	0	9/15/2023
A.02	LEGEND	0	9/15/2023
B.01	DETAILS & TYPICAL SECTIONS	0	9/15/2023
B.02	DETAILS & TYPICAL SECTIONS	0	9/15/2023
C.01	GENERAL NOTES	0	9/15/2023
C.02	QUANTITIES & ESTIMATE REFERENCE NOTES	0	9/15/2023
C.03	ESTIMATE REFERENCE NOTES	0	9/15/2023
C.04	EXISTING CONDITIONS	0	9/15/2023
D.01	GRADING PLAN	0	9/15/2023
D.02	RAISED ISLAND GRADING & DETAILS	0	9/15/2023
F.01	REMOVALS	0	9/15/2023
G.01	REFERENCE TIES & BENCHMARKS	0	9/15/2023
J.01	STAGING PLAN - PHASE A	0	9/15/2023
J.02	STAGING PLAN - PHASE B	0	9/15/2023
K.01	PLANTING PLAN	0	9/15/2023
L.01	JOINTING PLAN	0	9/15/2023
M.01	STORM SEWER PLAN	0	9/15/2023
N.01	PAVEMENT MARKING PLAN	0	9/15/2023
P.01	LIGHTING PLAN	0	9/15/2023
P.02	LIGHTING PLAN	0	9/15/2023
R.01	EROSION CONTROL	0	9/15/2023
S.01	NORTH ENTRY ADA RAMPS	0	9/15/2023
S.02	BUILDING ENTRANCE ADA COMPLIANCE	0	9/15/2023

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.

Justin L. Ernst

JUSTIN L. ERNST, P.E.

LIC. NO. 23753 DATE: 9/15/2023

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023

PAGES OR SHEETS COVERED BY THIS SEAL:

ALL SHEETS

REV	ISSUED FOR	DATE
0	CONSTRUCTION	9/15/2023



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CLIENT PROJ. NO.
9282.00

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
TITLE SHEET

SHEET
A.01

EXISTING TOPOGRAPHIC SYMBOLS

	ACCESS GRATE		SATELLITE DISH
	AIR CONDITION UNIT		SIGN TRAFFIC
	ANTENNA		SIGNAL CONTROL CABINET
	AUTO SPRINKLER CONNECTION		SOIL BORING
	BARRICADE PERMANENT		SIREN
	BASKETBALL POST		TELEPHONE BOOTH
	BENCH		TILE INLET
	BIRD FEEDER		TILE OUTLET
	BOLLARD		TILE RISER
	BUSH		TRANSFORMER-ELECTRIC
	CATCH BASIN RECTANGULAR CASTING		TREE-CONIFEROUS
	CATCH BASIN CIRCULAR CASTING		TREE-DEAD
	CURB STOP		TREE-DECIDUOUS
	CLEAN OUT		TREE STUMP
	CULVERT END		TRAFFIC ARM BARRIER
	DRINKING FOUNTAIN		TRAFFIC SIGNAL
	DOWN SPOUT		TRASH CAN
	FILL PIPE		UTILITY MARKER
	FIRE HYDRANT		VALVE
	FLAG POLE		VALVE POST INDICATOR
	FLARED END / APRON		VALVE VAULT
	FUEL PUMP		VAULT
	GRILL		VENT PIPE
	GUY WIRE ANCHOR		WATER SPIGOT
	HANDHOLE		WELL
	HANDICAP SPACE		WETLAND DELINEATED MARKER
	IRRIGATION SPRINKLER HEAD		WETLAND
	IRRIGATION VALVE BOX		WET WELL
	LIFT STATION CONTROL PANEL		YARD HYDRANT
	LIFT STATION		
	LIGHT POLE		
	MAILBOX		
	MANHOLE-COMMUNICATION		
	MANHOLE-ELECTRIC		
	MANHOLE-GAS		
	MANHOLE-HEAT		
	MANHOLE-SANITARY SEWER		
	MANHOLE-STORM SEWER		
	MANHOLE-UTILITY		
	MANHOLE-WATER		
	METER		
	ORDER MICROPHONE		
	PARKING METER		
	PAVEMENT MARKING		
	PEDESTAL-COMMUNICATION		
	PEDESTAL-ELECTRIC		
	PEDESTRIAN PUSH BUTTON		
	PICNIC TABLE		
	POLE-UTILITY		
	POST		
	RAILROAD SIGNAL POLE		
	REGULATION STATION GAS		

PROPOSED TOPOGRAPHIC SYMBOLS

	CLEANOUT
	MANHOLE
	LIFT STATION
	STORM SEWER CIRCULAR CASTING
	STORM SEWER RECTANGULAR CASTING
	STORM SEWER FLARED END / APRON
	STORM SEWER OUTLET STRUCTURE
	STORM SEWER OVERFLOW STRUCTURE
	CURB BOX
	FIRE HYDRANT
	WATER VALVE
	WATER REDUCER
	WATER BEND
	WATER TEE
	WATER CROSS
	WATER SLEEVE
	WATER CAP / PLUG
	RIP RAP
	DRAINAGE FLOW
	TRAFFIC SIGNS
	LIGHT POLE

SURVEY SYMBOLS

	BENCH MARK LOCATION
	CONTROL POINT
	MONUMENT IRON FOUND
	CAST IRON MONUMENT

EXISTING TOPOGRAPHIC LINES

	RETAINING WALL
	FENCE
	FENCE-DECORATIVE GUARD RAIL
	TREE LINE
	BUSH LINE

SURVEY LINES

	CONTROLLED ACCESS BOUNDARY
	CENTERLINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	EXISTING LOT LINE
	PROPOSED LOT LINE
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	SETBACK LINE
	SECTION LINE
	QUARTER LINE
	SIXTEENTH LINE
	TEMPORARY EASEMENT

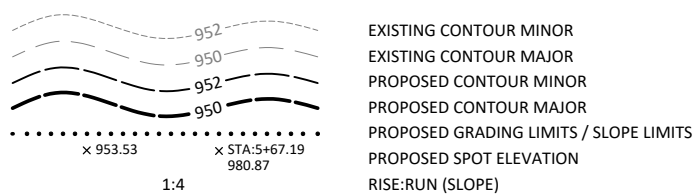
EXISTING UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE

PROPOSED UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE
	PIPE CASING

GRADING INFORMATION



HATCH PATTERNS

	SIDEWALK		PCC PAVEMENT
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EXISTING PRIVATE UTILITY LINES

NOTE:
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	UNDERGROUND FIBER OPTIC
	UNDERGROUND ELECTRIC
	UNDERGROUND GAS
	UNDERGROUND COMMUNICATION
	OVERHEAD ELECTRIC
	OVERHEAD COMMUNICATION
	OVERHEAD UTILITY

UTILITIES IDENTIFIED WITH A QUALITY LEVEL OTHER THAN D:

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
 EXAMPLE: UNDERGROUND GAS, QUALITY LEVEL A
 UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-02.

UTILITY QUALITY LEVELS:

- LEVEL D - INFORMATION COMES SOLELY FROM EXISTING UTILITY RECORDS.
- LEVEL C - SURVEYING ABOVE GROUND UTILITY FACILITIES, SUCH AS MANHOLES, VALVE BOXES, ETC; AND CORRELATING THIS INFORMATION WITH EXISTING UTILITY RECORDS.
- LEVEL B - THE USE OF SURFACE GEOPHYSICAL TECHNIQUES TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF UNDERGROUND UTILITIES.
- LEVEL A - THE USE OF NONDESTRUCTIVE DIGGING EQUIPMENT AT HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GV	GATE VALVE	RT	RIGHT
ADJ	ADJUST	HDPE	HIGH DENSITY POLYETHYLENE	SAN	SANITARY SEWER
ALT	ALTERNATE	HH	HANDHOLE	SCH	SCHEDULE
B-B	BACK TO BACK	HMA	HOT MIX ASPHALT	SERV	SERVICE
BLDG	BUILDING	HP	HIGH POINT	SHLD	SHOULDER
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STA	STATION
BR	BEGIN RADIUS	HYD	HYDRANT	STD	STANDARD
BV	BUTTERFLY VALVE	I	INVERT	STM	STORM SEWER
CB	CATCH BASIN	K	CURVE COEFFICIENT	TC	TOP OF CURB
C&G	CURB AND GUTTER	L	LENGTH	TE	TEMPORARY EASEMENT
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TEMP	TEMPORARY
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TNH	TOP NUT HYDRANT
CL	CENTER LINE	LT	LEFT	TP	TOP OF PIPE
CL	CLASS	MH	MANHOLE	TYP	TYPICAL
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	VCP	VITRIFIED CLAY PIPE
C.O.	CHANGE ORDER	MPW	MUSCATINE POWER & WATER	VERT	VERTICAL
COMM	COMMUNICATION	MR	MID RADIUS	VPC	VERTICAL POINT OF CURVE
CSP	CORRUGATED STEEL PIPE	NIC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
CLVT	CULVERT	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
DIA	DIAMETER	NTS	NOT TO SCALE	WM	WATERMAIN
DIP	DUCTILE IRON PIPE	NWL	NORMAL WATER LEVEL	WS	WATER SERVICE
DWY	DRIVEWAY	OHW	ORDINARY HIGH WATER LEVEL		
E	EXTERNAL CURVE DISTANCE	PC	POINT OF CURVE		
ESMT	EASEMENT	PCC	PORTLAND CEMENT CONCRETE	AC	ACRES
ELEC	ELECTRIC	PE	PERMANENT EASEMENT	CF	CUBIC FEET
ELEV/EL	ELEVATION	PED	PEDESTRIAN, PEDESTAL	CV	COMPACTED VOLUME
EOF	EMERGENCY OVERFLOW	PERF	PERFORATED PIPE	CY	CUBIC YARD
ER	END RADIUS	PERM	PERMANENT	EA	EACH
EX	EXISTING	PI	POINT OF INTERSECTION	EV	EXCAVATED VOLUME
FES	FLARED END SECTION	PL	PROPERTY LINE	LB	POUND
F-F	FACE TO FACE	PRC	POINT OF REVERSE CURVE	LF	LINEAR FEET
FF	FINISHED FLOOR	PT	POINT OF TANGENT	LS	LUMP SUM
F&I	FURNISH AND INSTALL	PVC	POLYVINYL CHLORIDE PIPE	LV	LOOSE VOLUME
FM	FORCEMAIN	PVMT	PAVEMENT	SF	SQUARE FEET
FO	FIBER OPTIC	R	RADIUS	SV	STOCKPILE VOLUME
F.O.	FIELD ORDER	RCP	REINFORCED CONCRETE PIPE	SY	SQUARE YARD
GRAN	GRANULAR	RET	RETAINING		
GRAV	GRAVEL	R/W	RIGHT-OF-WAY		
GU	GUTTER	RSC	RIGID STEEL CONDUIT		

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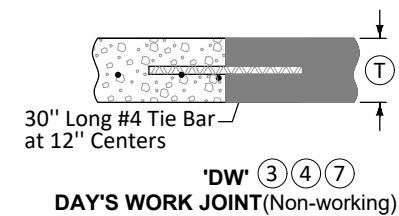
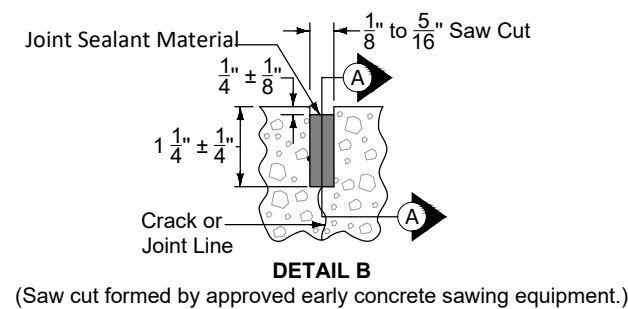
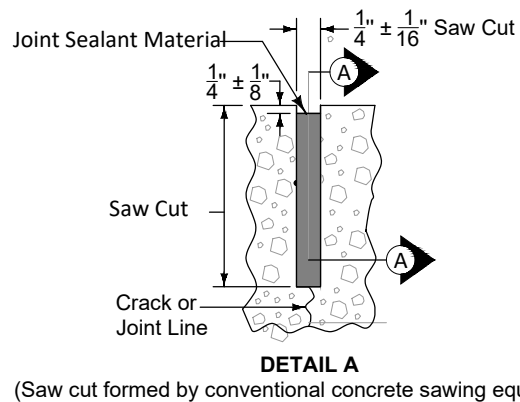
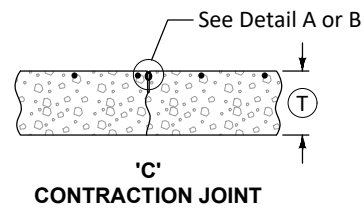
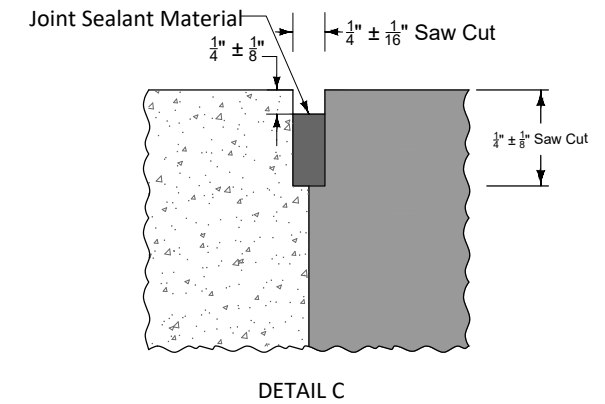
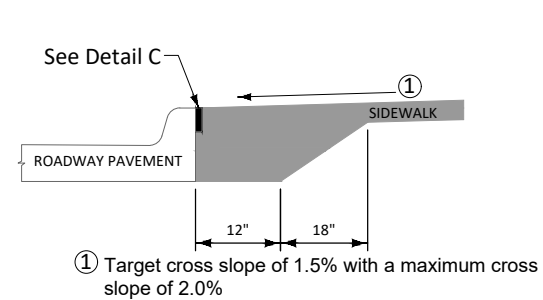
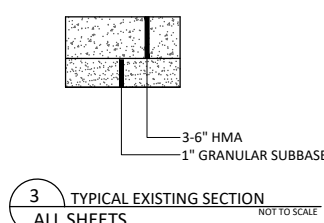
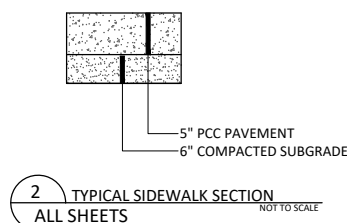
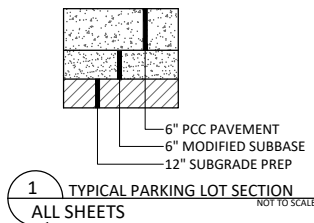
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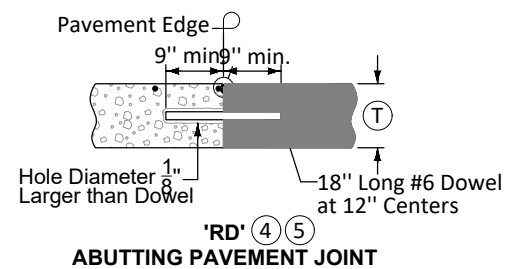
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT

LEGEND

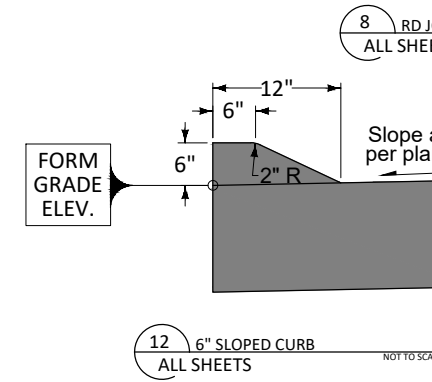
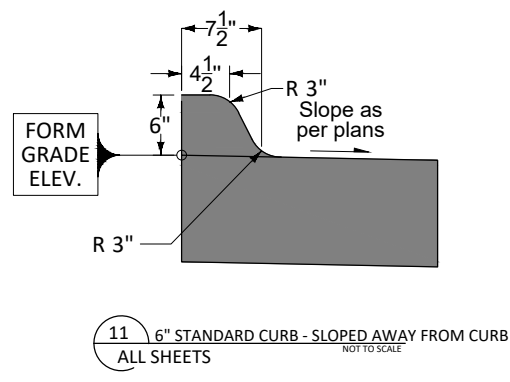
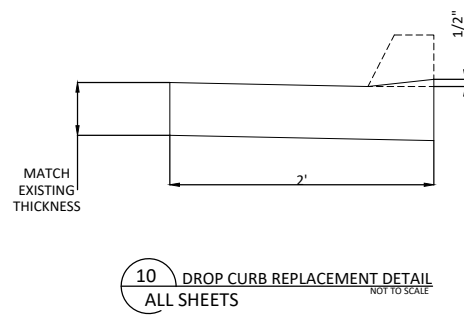
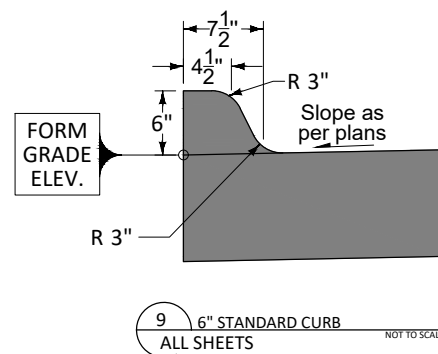


7 L-1 JOINT DETAIL
ALL SHEETS

(T)	Joint	Bars	Bar Length and Spacing
< 8"	'L-1'	#4	36" Long at 30" Centers



- ③ Locate 'DW' joint at a mid-panel location between future 'C' or 'CD' joints. Place no closer than 5 feet to a 'C' or 'CD' joint.
- ④ Place bars within the limits shown under dowel assemblies.
- ⑤ Edge with 1/8 inch tool for length of joint. For HT joint, remove header block and board when second slab is placed.
- ⑦ 'RT' joint may be used in lieu of 'DW' joint at the end of the days work. Remove any pavement damaged due to the drilling at no additional cost to the Contracting Authority.



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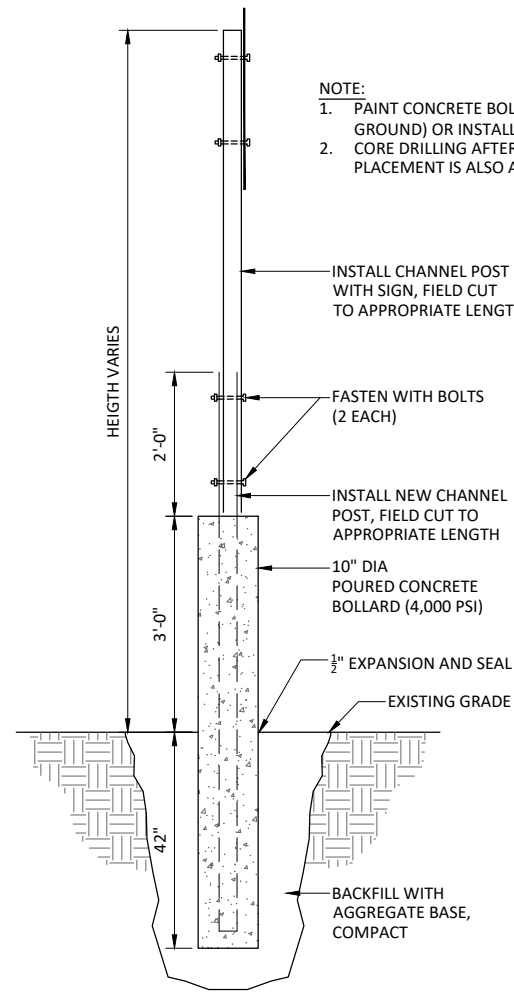
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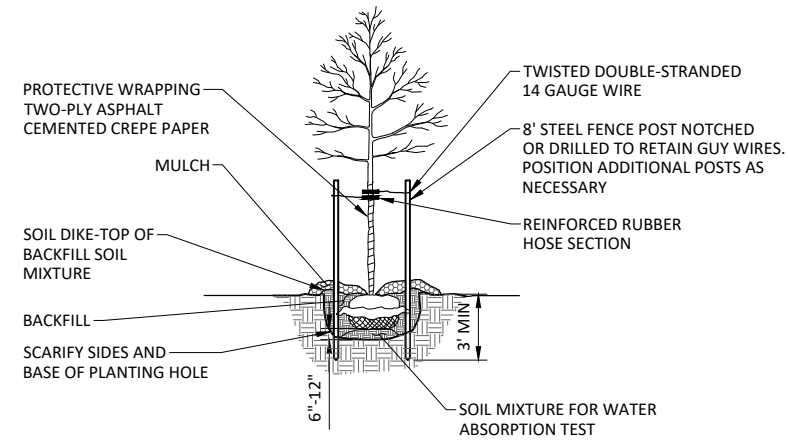
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9282.00 PARKING LOT 1 REPLACEMENT
DETAILS & TYPICAL SECTIONS

SHEET
B.01



- NOTE:
1. PAINT CONCRETE BOLLARD YELLOW (ABOVE GROUND) OR INSTALL YELLOW CAP.
 2. CORE DRILLING AFTER PAVEMENT PLACEMENT IS ALSO ACCEPTABLE.

13 SIGN POST INSTALLATION, PARKING LOT
ALL SHEETS



DECIDUOUS TREE PLANTING

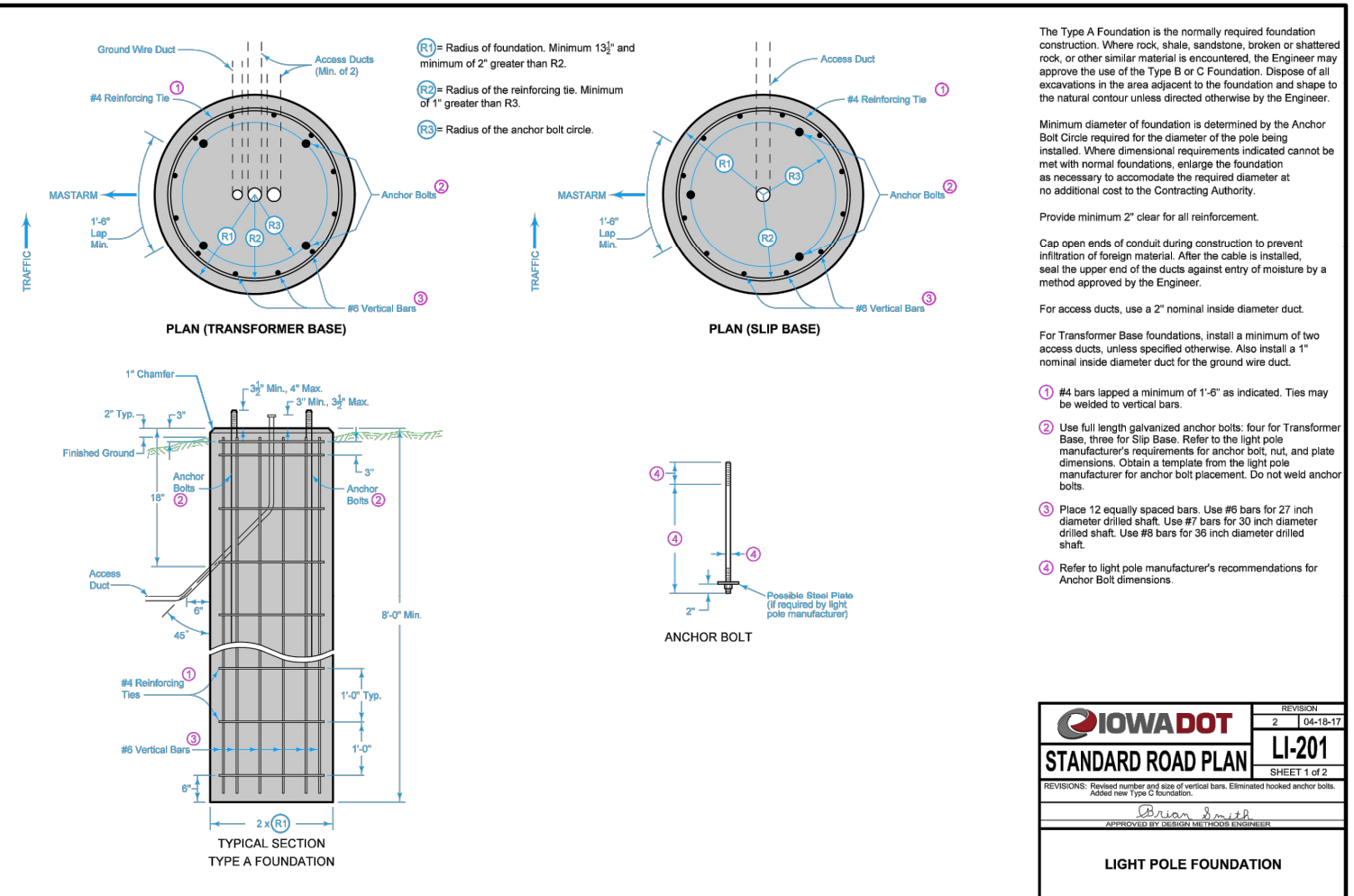
NOT TO SCALE

- BAG & BALL PLANTING NOTE:
1. REMOVE WRAPPING AND ALL TIES OR STRAPS. IF ROOT BALL IS WRAPPED IN BURLAP THE LOWER 1/2 PORTION OF THE FABRIC MAY BE LEFT AT THE BOTTOM OF THE HOLE. SYNTHETIC WRAP MUST BE REMOVED AND PROPERLY DISPOSED.
 2. LOOSEN ROOTS TO ENSURE THEY ARE NOT GIRDLING THE ROOT BALL.
 3. SALVAGE AND REUSE ALL SOIL THAT CAME WITH THE ROOT BALL.
 4. IF ROOT BALL IS EXTREMELY DRY WATER IT PRIOR TO PLACING IT IN THE HOLE.
 5. IF TREE IS CONTAINER GROWN, SALVAGE ALL SOIL AND MIX WITH SUPPLEMENTED SOIL FOR BACK FILL.

- BARE ROOT PLANTING NOTE:
IF BARE ROOT MATERIAL IS SPECIFIED THESE ADDITIONAL REQUIREMENTS MUST BE MET:
1. ROOTS MUST BE SOAKED OVERNIGHT THE NIGHT BEFORE PLANTING.
 2. ROOTS MUST BE PROTECTED FROM DRYING OUT DURING THE INSTALLATION PROCESS.
 3. ALL DAMAGED, DISEASED OR DESIGNATED ROOTS AND ROOT ENDS MUST BE CLEANLY PRUNED. TREE SHALL NOT HAVE GIRDLING ROOTS.

1. PROVIDE AND INSTALL HEALTHY PLANT MATERIALS THAT MEET ALL SPECIFICATIONS AND ARE OF THE SIZE, TYPE AND SPECIES NAMED ON THE PLANT SCHEDULE AND SHOWN ON THE PLANS.
2. DIG PLANT HOLE 1'-0" MINIMUM LARGER ON ALL SIDES THAN ROOT BALL.
3. PRIOR TO PLACING TREE, SCARIFY BOTTOM AND SIDES OF THE PLANTING HOLE.
4. TEST SOIL ABSORPTION. FILL HOLE PARTIALLY WITH SUPPLEMENTED SOIL MIXTURE, ADD WATER AND ALLOW TO PUDDLE AND SETTLE PRIOR TO SETTING TREE.
5. AFTER PUDDLING HAS SETTLED, SET TREE AND BACK FILL WITH SUPPLEMENTED SOIL MIXTURE.
6. WATER THOROUGHLY AND ADD BACK FILL AS NEEDED AFTER MOISTURE IS ABSORBED.
7. BUILD SOIL DIKE AROUND PERIPHERY OF TREE TO HOLD WATER.
8. AFTER SETTLEMENT, MULCH WITH MINIMUM 4" LAYER SHREDDED BARK, WOOD CHIPS OR AS OTHERWISE SPECIFIED. DO NOT MULCH UP AGAINST THE TRUNK.
9. REMOVE DEAD OR DAMAGED BRANCHES. RETAIN THE NATURAL FORM OF THE TREE.

14 DECIDUOUS TREE PLANTING
ALL SHEETS



The Type A Foundation is the normally required foundation construction. Where rock, shale, sandstone, broken or shattered rock, or other similar material is encountered, the Engineer may approve the use of the Type B or C Foundation. Dispose of all excavations in the area adjacent to the foundation and shape to the natural contour unless directed otherwise by the Engineer.

Minimum diameter of foundation is determined by the Anchor Bolt Circle required for the diameter of the pole being installed. Where dimensional requirements indicated cannot be met with normal foundations, enlarge the foundation as necessary to accommodate the required diameter at no additional cost to the Contracting Authority.

Provide minimum 2" clear for all reinforcement.

Cap open ends of conduit during construction to prevent infiltration of foreign material. After the cable is installed, seal the upper end of the ducts against entry of moisture by a method approved by the Engineer.

For access ducts, use a 2" nominal inside diameter duct. For Transformer Base foundations, install a minimum of two access ducts, unless specified otherwise. Also install a 1" nominal inside diameter duct for the ground wire duct.

- 1 #4 bars lapped a minimum of 1'-6" as indicated. Ties may be welded to vertical bars.
- 2 Use full length galvanized anchor bolts: four for Transformer Base, three for Slip Base. Refer to the light pole manufacturer's requirements for anchor bolt, nut, and plate dimensions. Obtain a template from the light pole manufacturer for anchor bolt placement. Do not weld anchor bolts.
- 3 Place 12 equally spaced bars. Use #6 bars for 27 inch diameter drilled shaft. Use #7 bars for 30 inch diameter drilled shaft. Use #8 bars for 36 inch diameter drilled shaft.
- 4 Refer to light pole manufacturer's recommendations for Anchor Bolt dimensions.

- NOTE:
1. TYPE A FOUNDATION TO BE ADJUSTED TO MEET REQUIREMENTS OF THE EXISTING POLES AND SHALL BE ADJUSTED ACCORDINGLY.
 2. FOUNDATION TO HAVE 3 - 1" CONDUITS FROM HAND HOLE TO FOUNDATION. 1 WILL REMAIN EMPTY, EXPECT FOR PULL ROPE.
 3. FOUNDATIONS TO HAVE 3' EXPOSED EXCEPT LIGHT A1.

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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
DETAILS & TYPICAL SECTIONS

SHEET
B.02

GENERAL NOTES

STANDARD CONSTRUCTION NOTES:

1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH 2023 EDITION OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) AND SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF THE CURRENT SUDAS STANDARD SPECIFICATIONS ON SITE DURING ALL CONSTRUCTION ACTIVITIES.
2. THE PROJECT INVOLVES HEAVY CONTACT WITH THE PUBLIC. THE CONTRACTOR IS ENCOURAGED TO PERFORM OPERATIONS AS PROFESSIONALLY AS POSSIBLE TO MINIMIZE CONFLICTS WITH THE PUBLIC.
3. ANY DEFECTIVE WORK CONDEMNED BY THE ENGINEER SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH SUDAS SECTION 1050, 1.08 'REMOVAL OF DEFECTIVE WORK' OF THE STANDARDS SPECIFICATIONS. FAILURE TO REMOVE DEFECTIVE WORK MAY RESULT IN SUSPENSION OF OPERATIONS AND/OR WITHHOLDING OF PAYMENTS UNTIL DEFECTIVE WORK HAS BEEN REMOVED AND REPLACED.
4. THE CONTRACTOR SHALL PRESERVE ALL SURVEY CONTROL, LINE AND GRADE STAKES IN ACCORDANCE WITH SUDAS SECTION 1050, 1.10 'LINE AND GRADE STAKES' OF THE STANDARD SPECIFICATIONS.
5. PRIOR TO MOBILIZING OFF OF THE JOB SITE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO REQUEST A FINAL INSPECTION IN ACCORDANCE WITH SUDAS SECTION 1050, 'FINAL INSPECTION AND ACCEPTANCE' OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL PROCURE ALL NECESSARY PERMITS AND LICENSES IN ACCORDANCE WITH SUDAS SECTION 1070, 1.03 'PERMITS AND LICENSES' OF THE STANDARD SPECIFICATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AND COMPLYING WITH ALL CURRENT AND FUTURE FEDERAL AND STATE OSHA REQUIREMENTS IN ACCORDANCE WITH SUDAS SECTION 1070, 'CONVENIENCE AND SAFETY' OF THE STANDARD SPECIFICATIONS.
8. WORK SHALL BE COMPLETED IN THE LIMITS OF CONSTRUCTION IN ACCORDANCE WITH SUDAS SECTION 1070, 2.04 'PROJECT AREA FOR THE WORK' OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT, NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IT IS NECESSARY FOR PROPER EXECUTION OF THE WORK. THE ENGINEER MAY LIMIT THE CONTRACTOR'S OPERATIONS IN ACCORDANCE WITH THE SPECIFICATIONS.
10. IN ACCORDANCE WITH SUDAS SECTION 1070, 'PROTECTION OF PROPERTY' OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF ALL ITS WORK FROM DAMAGE AND SHALL PROTECT THE JURISDICTION'S PROPERTY AND ADJACENT PRIVATE PROPERTY FROM INJURY OR LOSS ARISING IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL REPAIR OR RESTORE ANY SUCH DAMAGE, INJURY, OR LOSS TO JURISDICTION PROPERTY OR ADJACENT PROPERTY. THE CONTRACTOR SHALL PROTECT TREES AND OTHER PROPERTY NOT MARKED FOR REMOVAL. THE CONTRACTOR SHALL SALVAGE ANY LANDSCAPING WITHIN THE RIGHT OF WAY UPON REQUEST BY THE ADJACENT PROPERTY OWNERS.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SITE CLEANLINESS. UPON REQUEST BY THE ENGINEER, THE CONTRACTOR SHALL, AT ITS EXPENSE, CLEANUP AND REMOVE ALL REFUSE AND UNUSED MATERIALS OF ANY KIND RESULTING FROM THE WORK INCLUDING CLEANING AND SWEEPING OF ADJACENT STREETS. UPON FAILURE DO SO WITHIN ONE WORKING DAY AFTER SUCH REQUEST BY THE ENGINEER, THE WORK MAY BE DONE BY THE JURISDICTION AND THE COST THEREOF CHARGED TO THE CONTRACTOR AND DEDUCTED FROM ITS FINAL PAYMENT IN ACCORDANCE WITH SUDAS SECTION 1070, 'FINISHING AND CLEANUP REQUIREMENTS' OF THE STANDARD SPECIFICATIONS.
12. EQUIPMENT MAINTENANCE AREAS MUST BE LIMITED TO A DEFINED AREA OF THE SITE. ALL RUNOFF CONTAINING ANY HAZARDOUS MATERIALS MUST BE PROPERLY COLLECTED AND DISPOSED OF. NO ENGINE DEGREASING SHALL BE ALLOWED ON SITE.
13. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS INCLUDED IN THE SPECIFICATIONS IN REGARD TO POSITIVE DUST CONTROL DURING ALL OPERATIONS TO INCLUDE REMOVAL, CLEANUP, ETC.
14. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A PROGRESS SCHEDULE THAT WILL ENSURE THE COMPLETION OF THE PROJECT WITHIN THE TIME SPECIFIED. IF IT APPEARS THE RATE OF PROGRESS IS SUCH THAT THE CONTRACT WILL NOT BE COMPLETED WITHIN THE TIME ALLOWED, OR IF THE WORK IS NOT BEING EXECUTED IN A SATISFACTORY AND WORKMANLIKE MANNER, THE ENGINEER MAY ORDER THE CONTRACTOR TO TAKE SUCH STEPS AS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE CONTRACT IN ACCORDANCE WITH SUDAS SECTION 1080, 'WORK PROGRESS AND SCHEDULE' OF THE STANDARD SPECIFICATIONS.
15. ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE COMPLETION OF THIS WORK.
16. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
17. ALL SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING. ANY PONDING ON NEW PAVEMENT OR ADJACENT SURFACES WILL BE CONSIDERED UNACCEPTABLE AND SHALL BE REPLACED. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY AREAS OF POTENTIAL PONDING EVEN IF GRADES ARE SHOWN ON THE DRAWINGS.
18. ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
19. CONTRACTOR SHALL PROPERLY SECURE PROJECT SITE AT THE END OF EACH DAY.
20. IN ORDER TO AVOID ANY UNNECESSARY SURFACE BREAKS OR PREMATURE SPALLING, THE CONTRACTOR IS CAUTIONED TO EXERCISE EXTREME CARE WHEN PERFORMING ANY OF THE NECESSARY SAW CUTTING OPERATIONS FOR THE PROPOSED PAVEMENT REMOVAL. ADJACENT PAVEMENT THAT IS CHIPPED OR DAMAGED DUE TO SAW OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S COST IN ACCORDANCE WITH THE PROJECT SPECIFICATION DETAILS FOR STREET EXCAVATION AND PAVEMENT REPLACEMENT. ALL SAW CUTS ADJACENT TO EXISTING PAVEMENT AND CURBS SHALL BE FULL DEPTH.
21. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NOT TO DAMAGE ADJACENT PAVEMENT, SIDEWALKS, DRIVES, MEDIANS, CURBS, STRUCTURES AND OTHER AREAS NOT DESIGNATED AS PART OF THE PATCHING WORK AREA. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO AREAS NOT DESIGNATED AS PART OF THE PATCHING WORK AT NO COST TO THE OWNER.
22. CONTRACTOR TO INSTALL AND MAINTAIN ORANGE CONSTRUCTION FENCE AROUND ALL AREAS OF ACTIVE CONSTRUCTION. CONTRACTOR SHALL ASSUME PEDESTRIAN TRAFFIC WILL BE IN THE AREA THROUGHOUT THE PROJECT DURATION.
23. USE ALL AVAILABLE MEANS TO MINIMIZE THE AMOUNT OF SOIL EROSION CAUSED BY THE WORK OF THE PROJECT. THIS INCLUDES RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DEVICES INDICATED. REPAIRS TO SOIL EROSION CONTROL DEVICES SHALL BE COMPLETED WITHIN 2 DAYS FROM NOTIFICATION.
24. PROVIDE CONCRETE WASHOUT FACILITIES AS NEEDED.
25. REMOVAL REQUIREMENTS SHOWN ON THE PLANS SHOULD BE CONSIDERED MINIMUM REMOVAL AND REPLACEMENT REQUIREMENTS. CONTRACTORS SHALL ADJUST REMOVAL LIMITS AND DIMENSIONS AS REQUIRED BY CONSTRUCTION MEANS AND METHODS AND ACTUAL SITE CONDITIONS. CONTRACTORS SHOULD FACTOR ADDITIONAL ANTICIPATED REMOVAL AND REPLACEMENT REQUIREMENTS INTO THEIR BIDS AS ADDITIONAL COMPENSATION REQUESTS FOR ADJUSTED OR EXPANDED REMOVAL LIMITS WILL NOT BE APPROVED.
26. WHERE A SECTION OF PAVEMENT, CURB AND GUTTER, OR SIDEWALK IS CUT OR OTHERWISE DAMAGED BY THE CONTRACTOR, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED. PAVEMENT, CURBS, GUTTERS, AND SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT A MINIMUM OF TWO FEET BEYOND THE EDGE OF ALL EXCAVATIONS. CONTRACTOR SHALL DOCUMENT (OR PHOTO) ALL CRACKED PCC PAVEMENT OR DAMAGED HMA PAVEMENT PRIOR TO CONSTRUCTION. IF NEW CRACKS IN PCC PAVEMENT DEVELOP OR HMA PAVEMENT IS DAMAGED DUE TO THE CONSTRUCTION TRAFFIC (EXTENDS BEYOND CONSTRUCTION LIMITS), CONTRACTOR SHALL REPLACE DAMAGED AREA AT NO ADDITIONAL COST TO OWNER.
27. ALL LANDSCAPING INCLUDING TREES, SHRUBS, PERENNIALS NOT CALLED OUT TO BE REMOVED OR APPROVED FOR REMOVAL BY CONSTRUCTION MANAGER SHALL BE PROTECTED AND REPLACED AT NO COST TO THE OWNER IF DAMAGED DURING CONSTRUCTION.
28. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH AND FILL SETTLEMENT FOR THE PROJECT'S ONE YEAR WARRANTY PERIOD. CONTRACTOR SHALL PROVIDE ADDITIONAL FILL MATERIAL AND IS RESPONSIBLE FOR RESEEDING OF ALL SETTLEMENT AREAS AFTER SITE RESTORATION HAS BEEN COMPLETED.
29. SCARIFY SUBGRADE TO MINIMUM DEPTH OF 4" WHERE TOPSOIL IS SCHEDULED OR WHERE EQUIPMENT USED FOR HAULING AND SPREADING TOP SOIL HAS CAUSED COMPACTED SUBSOIL.
30. COORDINATE ALL REQUIRED STAGING AREAS WITH FACILITY AND OWNER'S REPRESENTATIVE.
31. CONTRACTOR TO PROVIDE OWNERS REPRESENTATIVE WITH A POURING SEQUENCE AND JOINTING PLAN FOR APPROVAL PRIOR TO BEGINNING PAVING OPERATIONS. JOINT LOCATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND SHALL BE ADJUSTED IN THE FIELD AND ON THE CONTRACTORS JOINTING PLAN TO MATCH EXISTING JOINT PATTERNS AND CONSTRUCTION SEQUENCING.

UTILITY COORDINATION NOTES:

1. THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT (800) 292-8989 TO LOCATE EXISTING UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT. CONTRACTOR SHALL SCHEDULE A JOINT UTILITY LOCATE MEETING WITH THE UTILITY OWNER, CONSTRUCTION MANAGER, STATE OR TOWN AND CONTRACTORS.
2. ANTICIPATED UTILITY CONFLICTS HAVE BEEN IDENTIFIED AND EACH RESPECTIVE UTILITY OWNER HAS BEEN INFORMED OF THE POTENTIAL CONFLICTS. THE CONTRACTOR SHALL PROTECT THE EXISTING UTILITIES TO REMAIN WITHIN THE PROJECT SITE.
3. THE LOCATION OF ALL AERIAL AND UNDERGROUND UTILITIES MAY NOT BE INDICATED ON THESE PLANS. WORK SHALL BE COMPLETED IN ACCORDANCE WITH SUDAS SECTION 1070, 2.07 'PROTECTION OF ABOVEGROUND AND UNDERGROUND FACILITIES' OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DAMAGE TO EXISTING UTILITIES.
4. IF A CONFLICT IS DISCOVERED BY THE CONTRACTOR, NOTIFY THE ENGINEER IMMEDIATELY AND COORDINATE WITH OWNER OF UTILITY TO RESOLVE CONFLICT.
5. THE LOCATIONS OF UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS PLOTTED IN THIS DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO BOLTON & MENK. VERIFICATION OF EXISTENCE OF, AND THE DETERMINATION OF THE EXACT LOCATION OFF SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR(S).
6. CONTRACTOR SHOULD ANTICIPATE THAT ADDITIONAL UTILITIES THAT ARE NOT SHOWN WILL BE ENCOUNTERED. CONTRACTOR TO WORK WITH FACILITY AND ENGINEER AS REQUIRED TO MAKE FIELD ADJUSTMENTS.
7. CONTRACTOR SHALL VERIFY AND COORDINATE WITH OWNER TO LOCATE ALL PRIVATE UTILITIES WHICH WILL BE IMPACTED BY CONSTRUCTION.
8. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
9. PROTECT EXISTING UTILITIES AND STRUCTURES TO REMAIN DURING CONSTRUCTION.

TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH SECTION 1070, 2.06 'TRAFFIC CONTROL' OF THE STANDARD SPECIFICATIONS. ANY TRAFFIC CONTROL DEVICES OR SAFETY EQUIPMENT NEEDED TO CONSTRUCT THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION PHASING AND TRAFFIC CONTROL PLAN WITH PLANNED DETOURS, IF APPLICABLE, TO THE ENGINEER FOR APPROVAL BEFORE THE START OF ANY CONSTRUCTION ACTIVITIES.
2. ALL TRAFFIC CONTROL PLANS MUST BE REVIEWED AND APPROVED BY THE ENGINEER. COORDINATE WITH THE ENGINEER PRIOR TO PLACEMENT OF TRAFFIC CONTROL DEVICES AND SIGNS FOR EACH STAGE OF THE PROJECT.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.
4. THE PROPOSED SIGNAGE MAY BE MODIFIED TO MEET FIELD CONDITIONS, PREVENT OBSTRUCTIONS AND TO ACCOMMODATE CONSTRUCTION SCHEDULING UPON APPROVAL OF THE PROJECT ENGINEER
5. SIGNAGE MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND REQUIRED AS DIRECTED BY THE ENGINEER.
6. ALL CONSTRUCTION SIGNS SHALL BE DIAMOND GRADE FLUORESCENT ORANGE OR WHITE V.I.P. SHEETING OR EQUIVALENT. (IOWA DOT TYPE VII SHEETING).
7. AT THE TIME OF INITIAL SETUP OR AT THE TIME OF MAJOR STAGE CHANGES, 100 PERCENT OF EACH TYPE OF DEVICE (SIGNS, CONES, TUBULAR MARKERS, DRUMS, BARRICADES, VERTICAL PANELS, CHANGEABLE MESSAGE SIGNS, AND PAVEMENT MARKINGS) SHALL BE CLASSIFIED AS ACCEPTABLE BY THE REQUIREMENT OF THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), "QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES 1992." THROUGHOUT THE DURATION OF THE PROJECT, UNACCEPTABLE DEVICES OR SITUATIONS THAT ARE FOUND ON THE JOBSITE AS DETERMINED BY BEFORE MENTIONED PUBLICATION SHALL BE REPLACED OR THE SITUATION CORRECTED WITHIN 12 HOURS OF INITIAL NOTIFICATIONS BY THE ENGINEER.
8. THE LOCATION FOR STORAGE OF EQUIPMENT BY THE CONTRACTOR DURING NONWORKING HOURS SHALL BE AS APPROVED BY THE ENGINEER AND OWNER.
9. PEDESTRIAN ACCESS MUST BE MAINTAINED TO ALL PARTS OF THE BUILDING THROUGHOUT CONSTRUCTION. COORDINATE WITH FACILITY AND CONSTRUCTION MANAGER ON PHASING AND SHUT DOWN OF ALL DRIVES AND SIDEWALKS.
10. PROVIDE BARRICADES, FENCING, AND OTHER DEVICES TO KEEP UNAUTHORIZED PERSONNEL FROM PROJECT SITE. PROTECT THE CONCRETE PAVEMENT DURING INITIAL CURE, AND PROTECT OR DELINEATE THE WORK AREA AS DIRECTED BY THE OWNER.
11. KEEP INTERFERENCE WITH TRAFFIC TO A MINIMUM. DO NOT BLOCK EXISTING SITE ROADWAYS UNLESS APPROVED BY OWNER.

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0	CONSTRUCTION	9/15/2023



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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

9282.00 PARKING LOT 1 REPLACEMENT

GENERAL NOTES

SHEET

C.01

ESTIMATED PROJECT QUANTITIES - BASE BID					
ITEM NO.	ITEM CODE	ITEM	UNIT	QUANTITY	AS BUILT QUANT.
1	2010-C	CLEARING AND GRUBBING	LS	1	
2	2010-D-3	TOPSOIL, OFF-SITE	CY	205	
3	2010-E	EXCAVATION, CLASS 10	CY	1850	
4	2010-G	SUBGRADE PREPARATION	SY	10240	
5	2010-J	SUBBASE, MODIFIED, 6"	SY	10240	
6	4020-A-1	STORM SEWER, TRENCHED, HDPE, 15"	LF	61	
7	4020-C	LINEAR TRENCH DRAIN	LF	24	
8	4020-D	REMOVAL OF STORM SEWER	LF	145	
9	6010-B	INTAKE, SW-501	EA	2	
10	6010-F	INTAKE ADJUSTMENT, MAJOR	EA	3	
11	6010-G	CONNECTION TO EXISTING MANHOLE	EA	1	
12	6010-G	CONNECTION TO EXISTING INTAKE	EA	1	
13	6010-H	REMOVE INTAKE	EA	2	
14	7010-A	PAVEMENT, PCC, 6"	SY	9720	
15	7030-A	REMOVAL OF SIDEWALK	SY	410	
16	7030-E	SIDEWALK, PCC, 5"	SY	315	
17	7030-G	DETECTABLE WARNING	SF	40	
18	7040-H	PAVEMENT REMOVAL	SY	10255	
19	8020-B	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	66	
20	8020-G	PAINTED SYMBOLS AND LEGENDS	EA	15	
21	8020-M	GROOVES CUT FOR PAVEMENT MARKINGS	STA	66	
22	8020-N	GROOVES CUT FOR SYMBOLS AND LEGENDS	EA	15	
23	8020-X	REMOVE, SALVAGE, & REINSTALL TRAFFIC SIGN	EA	43	
24	8020-X	NEW SIGN	EA	15	
25	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	
26	9020-A	SOD	SQ	205	
27	9030-B	PLANTS WITH WARRANTY, CAROUSEL LITTLE BLUESTEM	EA	415	
28	9030-B	DECIDUOUS TREE, 2.5"	EA	2	
29	9040-A-1	SWPPP PREPARATION	LS	1	
30	9040-A-2	SWPPP MANAGEMENT	LS	1	
31	9040-D-1	FILTER SOCK, 8"	LF	1180	
32	9040-O-1	STABILIZED CONSTRUCTION ENTRANCE	SY	170	
33	9040-Q-2	EROSION CONTROL MULCHING, HYDRO MULCHING	AC	0.5	
34	9040-T-1	INLET PROTECTION DEVICE, DROP-IN	EA	10	
35	9040-T-2	INLET PROTECTION DEVICE, MAINTENANCE	EA	10	
36	9070-A	MODULAR BLOCK RETAINING WALL	SF	40	
37	9070-X	REMOVE RETAINING WALL	SF	110	
38	11010-A	CONSTRUCTION SURVEY	LS	1	
39	11020-A	MOBILIZATION	LS	1	
40	11050-A	CONCRETE WASHOUT	LS	1	
41	12010-X-X	SALVAGE & REINSTALL BIKE RACK	EA	1	
42	12030-X-X	1" ELECTRICAL CONDUIT, OPEN CUT, HDPE OR PVC	LF	988	
43	12030-X-X	2" ELECTRICAL CONDUIT, OPEN CUT, HDPE OR PVC	LF	988	
44	12030-X-X	HANDHOLE AND COVER, ELECTRICAL	EA	11	
45	12030-X-X	REMOVE LIGHT FOUNDATION	EA	9	
46	12030-X-X	SALVAGE LIGHT POLE AND HEAD	EA	9	
47	12030-X-X	LIGHT FOUNDATION	EA	9	
48	12030-X-X	REINSTALL LIGHT POLE AND HEAD	EA	9	

NOTES:

- PROJECT TO INCLUDE BUT NOT LIMITED TO ITEMS LISTED. FOLLOW SUDAS SPECIFICATION FOR ITEMS NOT LISTED
- ESTIMATED QUANTITIES FOR REFERENCE ONLY. CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1	2010-C	CLEARING AND GRUBBING
2	2010-D-3	TOPSOIL, OFF-SITE TOPSOIL SHALL BE PLACED AND SPREAD TO A MINIMUM THICKNESS OF 6" IN ALL DISTURBED TURF AREAS. STRIPPING AND STOCKPILING OF EXISTING TOPSOIL SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
3	2010-E	EXCAVATION, CLASS 10 ALL EXCESS MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND HAULED OFFSITE. TOPSOIL SHALL BE PLACED AND SPREAD TO A MINIMUM THICKNESS OF 6" IN ALL DISTURBED TURF AREAS. STRIPPING AND STOCKPILING OF EXISTING TOPSOIL SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
4	2010-G	SUBGRADE PREPARATION EXCAVATING, MANIPULATING, REPLACING, COMPACTING, AND TRIMMING TO THE PROPER GRADE. CONTRACTOR SHALL COMPACT SUBGRADE AND PROOF ROLL.
5	2010-J	SUBBASE, MODIFIED, 6" ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, FURNISHING, PLACING, COMPACTING, AND TRIMMING TO THE PROPER GRADE.
6	4020-A-1	STORM SEWER, TRENCHED, HDPE, 15"
7	4020-C	LINEAR TRENCH DRAIN LINEAR TRENCH DRAIN SHALL BE ZURN Z882 WITH 8" END OUTLET AND BGC-USA GRATE (CLASS C) OR ENGINEER PRE-APPROVED EQUIVALENT. ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, ALL MATERIAL AND LABOR TO INSTALL THE TRENCH DRAIN PER MANUFACTURERS SPECIFICATIONS AND TO CONNECT TO INTAKES
8	4020-D	REMOVAL OF STORM SEWER
9	6010-B	INTAKE, SW-501 INTAKE TO BE CONCRETE 2X3 OR A 24" NYLOPLAST STRUCTURE WITH 2'X3' HIGH FLOW CASTING OR ENGINEER PRE-APPROVED EQUIVALENT. ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, ALL MATERIAL AND LABOR TO INSTALL INTAKE PER MANUFACTURERS SPECIFICATIONS.
10	6010-F	INTAKE ADJUSTMENT, MAJOR SEE M SHEETS FOR LOCATION, ADJUSTMENT NEED AND CASTING TYPE.
11	6010-G	CONNECTION TO EXISTING MANHOLE
12	6010-G	CONNECTION TO EXISTING INTAKE
13	6010-H	REMOVE INTAKE
14	7010-A	PAVEMENT, PCC, 6" FINAL TRIMMING OF SUBGRADE OR SUBBASE, INTEGRAL CURB, BARS AND REINFORCEMENT, JOINTS AND SEALING, SURFACE CURING AND PAVEMENT PROTECTION, SAFETY FENCING, CONCRETE FOR RIGID HEADERS, BOXOUTS FOR FIXTURES. NO SLAG IS ALLOWED. NO ADDITIONAL PAYMENT WILL BE MADE FOR COLD WEATHER PAVING.
15	7030-A	REMOVAL OF SIDEWALK REMOVAL LIMITS SHALL BE FIELD-MARKED BY THE ENGINEER.
16	7030-E	SIDEWALK, PCC, 5" MINOR GRADE ADJUSTMENTS AT DRIVEWAYS AND OTHER INTERSECTIONS, SUBGRADE PREPARATION, FORMWORK, ADDITIONAL THICKNESS AT THICKENED EDGES, JOINTING. CONCRETE WILL BE C OR M MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS SLAG IS NOT ALLOWED. NO ADDITIONAL PAYMENT FOR COLD WEATHER PAVING.
17	7030-G	DETECTABLE WARNING SHALL BE MEET CURRENT PROWAG STANDARDS. COLOR SHALL BE CAST IRON WITH NO COATING.
18	7040-H	PAVEMENT REMOVAL SAWING, BREAKING, REMOVING, AND DISPOSING OF EXISTING PAVEMENT AND REINFORCING STEEL.
19	8020-B	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE REFLECTORIZING SPHERES, LAYOUT, SURFACE PREPARATION, AND APPLICATION OF MARKING PAINT.
20	8020-G	PAINTED SYMBOLS AND LEGENDS REFLECTORIZING SPHERES, LAYOUT, SURFACE PREPARATION, AND APPLICATION OF MARKING PAINT.
21	8020-M	GROOVES CUT FOR PAVEMENT MARKINGS
22	8020-N	GROOVES CUT FOR SYMBOLS AND LEGENDS

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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
QUANTITIES & ESTIMATE REFERENCE NOTES

SHEET
C.02

23	8020-X	<u>REMOVE, SALVAGE, & REINSTALL TRAFFIC SIGN</u> ITEM SHALL INCLUDE THE REMOVAL, PROTECTION OF, AND REINSTALLATION OF ALL SIGNS CALLED OUT IN THE PLANS OR WITHIN THE CONSTRUCTION AREA FOR SALVAGE AND REINSTALL WITH NEW SIGN POST. NOT ALL SIGNS THAT ARE SALVAGED WILL BE REINSTALLED COORDINATE WITH OWNER. SIGNS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED NEW AT THE CONTRACTORS EXPENSE. CORDINATE NEW LOCATION WITH OWNER.
24	8020-X	<u>NEW SIGN</u>
25	8030-A	<u>TEMPORARY TRAFFIC CONTROL</u> ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY TRAFFIC CONTROL; LANE CLOSURES; REMOVAL AND REINSTALLATION OR COVERING OF PERMANENT TRAFFIC CONTROL DEVICES THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL PLAN OR OTHER CONSTRUCTION ACTIVITIES; MONITORING AND DOCUMENTING TRAFFIC CONTROL CONDITIONS; AND FLAGGERS.
26	9020-A	<u>SOD</u> SHALL INCLUDE WATERING PER SUDAS
27	9030-B	<u>PLANTS WITH WARRANTY, CAROUSEL LITTLE BLUESTEM</u> THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL PLANTS WITH 1 YEAR WARRANTY. INCLUDES BUT NOT LIMITED TO, DELIVERY, EXCAVATION, INSTALLATION, MULCHING, HERBICIDE, MAINTENANCE DURING ESTABLISHMENT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS.WATER PER SUDAS SPECIFICATIONS.
28	9030-B	<u>DECIDUOUS TREE, 2.5"</u> THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL TREE WITH 1 YEAR WARRANTY. INCLUDES BUT NOT LIMITED TO, DELIVERY, EXCAVATION, INSTALLATION, MULCHING, HERBICIDE, MAINTENANCE DURING ESTABLISHMENT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS. PROVIDE BAGS OR BLADDERS FOR WATERING. WRAPP IS REQUIRED. WATER PER SUDAS SPECIFICATIONS.
29	9040-A-1	<u>SWPPP PREPARATION</u> DEVELOPMENT OF A SWPPP BY THE CONTRACTOR MEETING LOCAL AND STATE AGENCY REQUIREMENTS, FILING THE REQUIRED PUBLIC NOTICES, FILING A NOTICE OF INTENT FOR COVERAGE OF THE PROJECT UNDER THE IOWA DNR NPDES GENERAL PERMIT NO. 2, AND PAYMENT OF ASSOCIATED NPDES PERMIT FEES.
30	9040-A-2	<u>SWPPP MANAGEMENT</u> THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, ALL WORK REQUIRED TO COMPLY WITH THE ADMINISTRATIVE PROVISIONS OF THE IOWA DNR NPDES GENERAL PERMIT NO.2; INCLUDING RECORD KEEPING, DOCUMENTATION, UPDATING THE SWPPP, FILING THE NOTICE OF DISCONTINUATION, ETC. ITEM ALSO INCLUDES WEEKLY INSPECTION REQUIRED TO SATISFY THE PROVISIONS OF GENERAL PERMIT NO. 2.
31	9040-D-1	<u>FILTER SOCK, 8"</u> INCLUDES MAINTENANCE AND REMOVAL
32	9040-O-1	<u>STABILIZED CONSTRUCTION ENTRANCE</u>
33	9040-Q-2	<u>EROSION CONTROL MULCHING, HYDRO MULCHING</u> TO BE USED FOR TEMPORARY EROSION CONTROL WHEN SOD CANNOT BE PLACED DUE TO WEATHER CONDITIONS.
34	9040-T-1	<u>INLET PROTECTION DEVICE, DROP-IN</u> THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, ALL LABOR AND MATERIALS NECESSARY FOR INSTALLATION, REMOVAL AND OFF-SITE DISPOSAL OF ACCUMULATED SEDIMENT, AND REMOVAL OF THE DEVICE UPON COMPLETION OF THE PROJECT NO MATTER THE INTAKE TYPE. MEASUREMENT PER STRUCTURE.
35	9040-T-2	<u>INLET PROTECTION DEVICE, MAINTENANCE</u> MAINTENANCE DURING CONSTRUCTION SHALL BE INCIDENTAL TO THIS ITEM.
36	9070-A	<u>MODULAR BLOCK RETAINING WALL</u> CONTRACTOR TO PROVIDE OWNER WITH COLOR OPTIONS PRIOR TO ORDERING.
37	9070-X	<u>REMOVE RETAINING WALL</u>
38	11010-A	<u>CONSTRUCTION SURVEY</u> CONTRACTOR SHALL PROVIDE ALL SURVEY STAKING REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR EXISTING DOCUMENTATION AND LAYOUT AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACCURACY AND REESTABLISHING SURVEY CONTROL POINTS AS REQUIRED FOR CONSTRUCTION.
39	11020-A	<u>MOBILIZATION</u> THIS ITEM IS FOR ALL PREPARATORY WORK AND COSTS INCURRED BEFORE BEGINNING THE WORK ON THE PROJECT AND DURING THE PROJECT. THIS ITEM SHALL ALSO INCLUDE THE COSTS FOR ANY STAGED CONSTRUCTION AND EQUIPMENT SET UP TO COMPLETE THE WORK. NO CHANGE IN THE CONTRACT PRICE WILL BE MADE FOR ANY CHANGE IN STAGING OR COMBINATION THEREOF.
40	11050-A	<u>CONCRETE WASHOUT</u> PROVIDING CONCRETE WASHWATER CONTAINMENT, COLLECTION, AND DISPOSAL.

41	12010-X-X	<u>SALVAGE & REINSTALL BIKE RACK</u> THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND SALVAGING THE EXISTING BIKE RACK AND INSTALLING THE BIKE RACK AT LOCATION CORRINATED WITH OWNER. CONTRACTOR TO REPLACE OR REPAIR BIKE RACK IF DAMAGED DURING REMOVAL, SALVAGING AND REINSTALLATION AT NO EXPENSE TO OWNER.
42	12030-X-X	<u>1" ELECTRICAL CONDUIT, OPEN CUT, HDPE OR PVC</u> THIS ITEM INCLUDES, BUT NOT LIMITED TO, MATERIALS AND LABOR TO INSTALL CONDUIT AND PULL ROPE AS NOTED IN THE PLANS. TO FOLLOW ALL STATE OF IOWA ELECTRICAL CODE AND SUDAS.
43	12030-X-X	<u>2" ELECTRICAL CONDUIT, OPEN CUT, HDPE OR PVC</u> THIS ITEM INCLUDES, BUT NOT LIMITED TO, MATERIALS AND LABOR TO INSTALL CONDUIT, WIRING AND PULL ROPE AS NOTED IN THE PLANS. TO FOLLOW ALL STATE OF IOWA ELECTRICAL CODE AND SUDAS.
44	12030-X-X	<u>HANDHOLE AND COVER, ELECTRICAL</u> THIS ITEM INCLUDES, BUT NOT LIMITED TO, MATERIALS AND LABOR TO INSTALL HANDHOLE. CONTRACTOR TO DETERMINE SIZE FOLLOWING ANY CODES. ANY HANDHOLES WITHIN PAVEMENT SHALL BE RATED FOR VEHICLE TRAFFIC. OWNER TO APPROVE HANDHOLES PRIOR TO ORDERING PRODUCT.
45	12030-X-X	<u>REMOVE LIGHT FOUNDATION</u> THIS ITEM INCLUDES, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF EXISTING LIGHT FOUNDATION AND SUITABLE BACKFILL MATERIAL TO MEET COMPACTION REQUIREMENTS.
46	12030-X-X	<u>SALVAGE LIGHT POLE AND HEAD</u> CONTRACTOR SALVAGE AND PROTECCT ALL POLES AND LIGHT FIXTURES UNTIL READY FOR INSTALLATION. CONTRACTOR TO REPLACE ANY DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER. OWNER TO BE NOTIFIED OF ANY DAMAGED OR NON-WORKING ITEMS IMMEDIATELY.
47	12030-X-X	<u>LIGHT FOUNDATION</u> THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, MATERIALS AND LABOR TO INSTALL IOWA DOT TYPE A FOUNDATION WITH 3 FEET OF FOUNDATIN EXPOSED. BOLT PATTERNS TO MATCH EXISTING LIGHT POLES
48	12030-X-X	<u>REINSTALL LIGHT POLE AND HEAD</u> THIS ITEM INCLUDES THE REINSTALLATION OF SALVAGED LIGHT POLES AND LIGHT FIXTURES.

NOTES:
1. PROJECT TO INCLUDE BUT NOT LIMITED TO ITEMS LISTED. FOLLOW SUDAS SPECIFICATION FOR ITEMS NOT LISTED

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DESIGNED	ZSG
SEALED	JLE
CHECKED	WFK
CLIENT PROJ. NO.	9282.00

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES		SHEET
9282.00 PARKING LOT 1 REPLACEMENT		C.03
ESTIMATE REFERENCE NOTES		

NOTES:
 1. CONTRACTOR IS RESPONSIBLE FOR DETERMINING LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

LOCATE AND VERIFY DEPTH OF ELECTRICAL LINE WITHIN PROJECT LIMITS.

HOOVER BUILDING

EAST COURT AVENUE

EAST WALNUT STREET

EAST 14TH STREET



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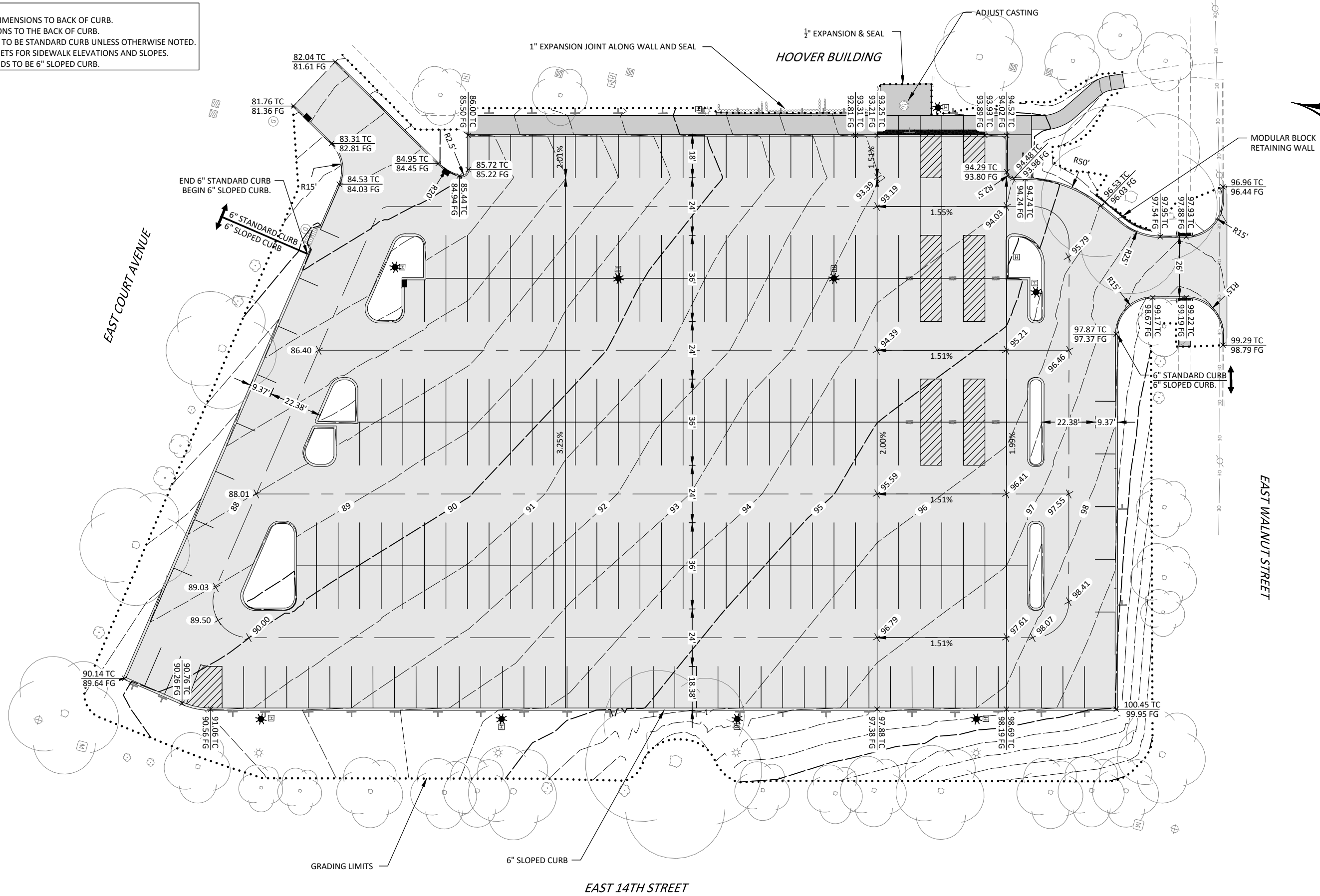


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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 EXISTING CONDITIONS

SHEET
C.04

- NOTES:
1. RADIUS DIMENSIONS TO BACK OF CURB.
 2. DIMENSIONS TO THE BACK OF CURB.
 3. ALL CURB TO BE STANDARD CURB UNLESS OTHERWISE NOTED.
 4. SEE S-SHEETS FOR SIDEWALK ELEVATIONS AND SLOPES.
 5. ALL ISLANDS TO BE 6" SLOPED CURB.



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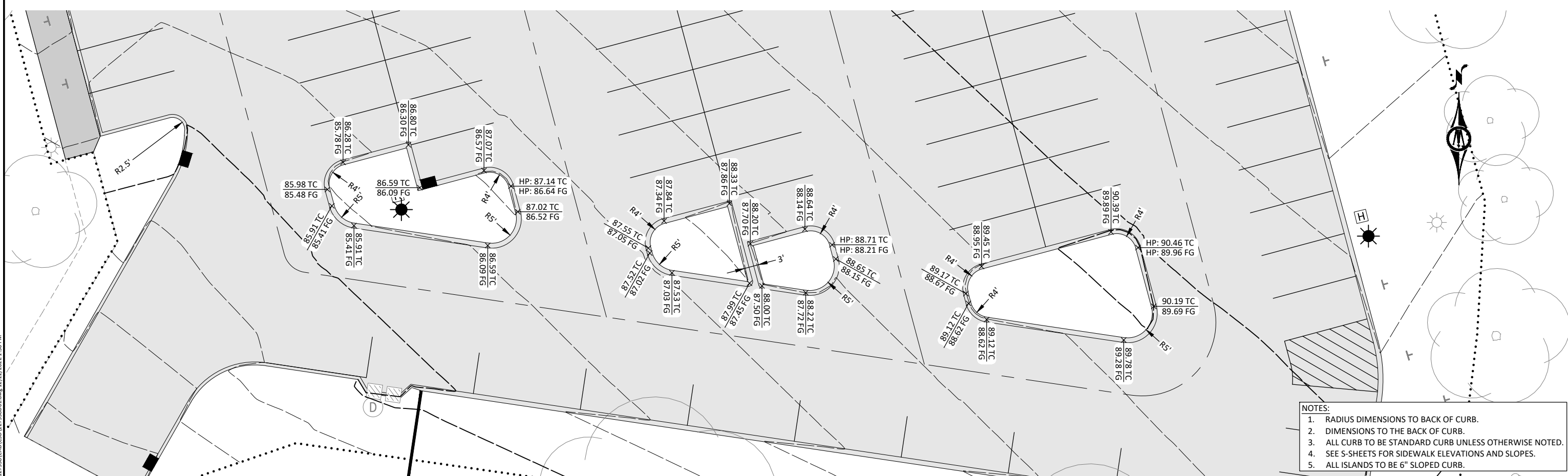
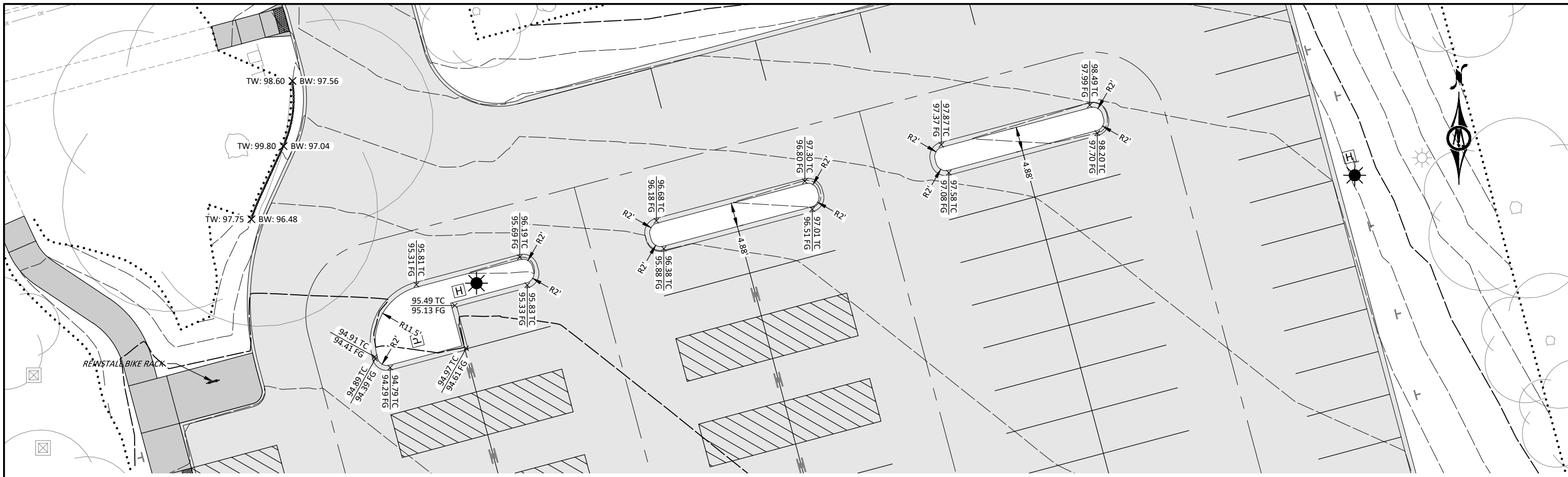


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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 GRADING PLAN

SHEET
 D.01

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- NOTES:
1. RADIUS DIMENSIONS TO BACK OF CURB.
 2. DIMENSIONS TO THE BACK OF CURB.
 3. ALL CURB TO BE STANDARD CURB UNLESS OTHERWISE NOTED.
 4. SEE S-SHEETS FOR SIDEWALK ELEVATIONS AND SLOPES.
 5. ALL ISLANDS TO BE 6" SLOPED CURB.

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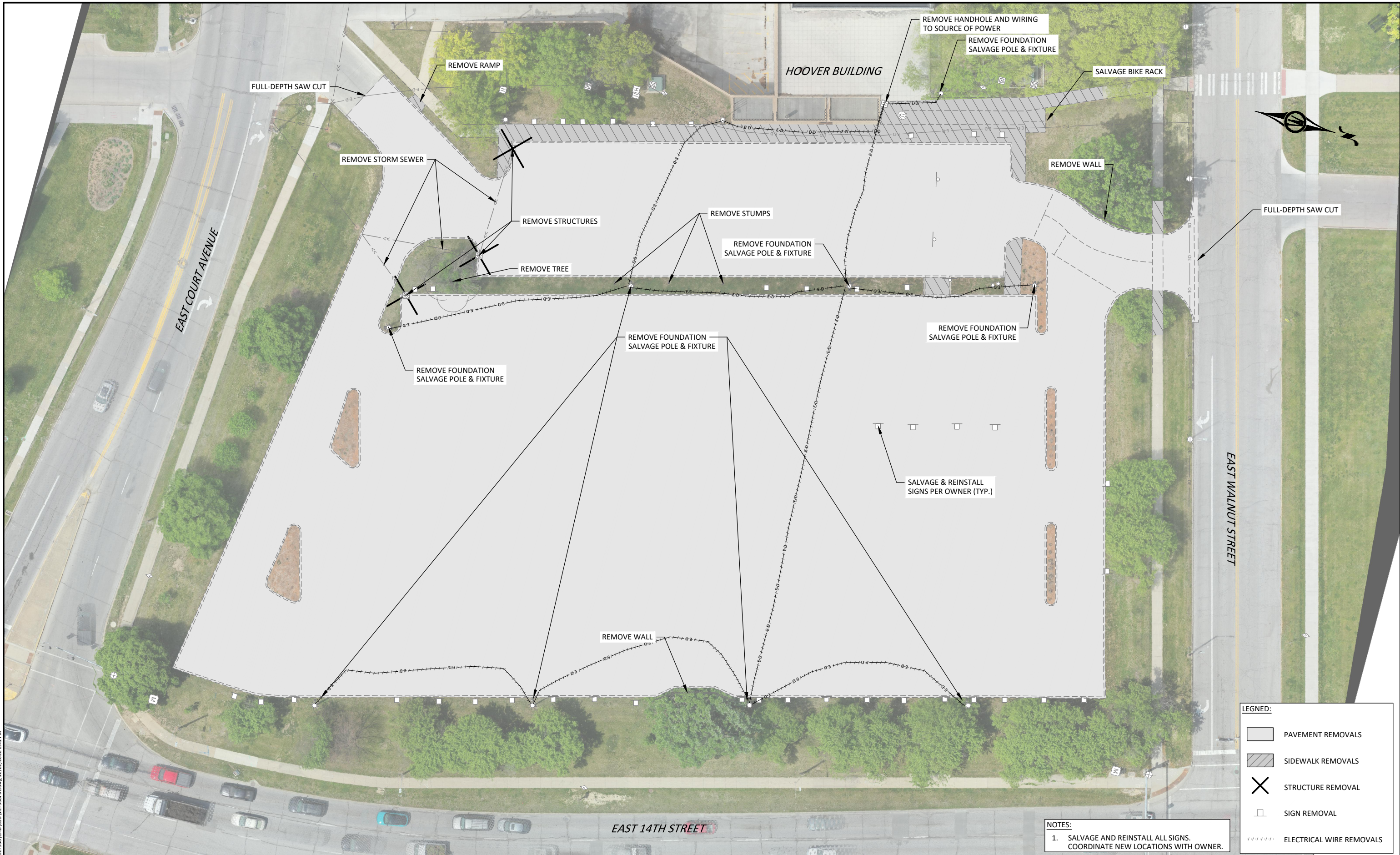
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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
RAISED ISLAND GRADING & DETAILS

SHEET
D.02



LEGEND:

-  PAVEMENT REMOVALS
-  SIDEWALK REMOVALS
-  STRUCTURE REMOVAL
-  SIGN REMOVAL
-  ELECTRICAL WIRE REMOVALS

NOTES:
 1. SALVAGE AND REINSTALL ALL SIGNS. COORDINATE NEW LOCATIONS WITH OWNER.



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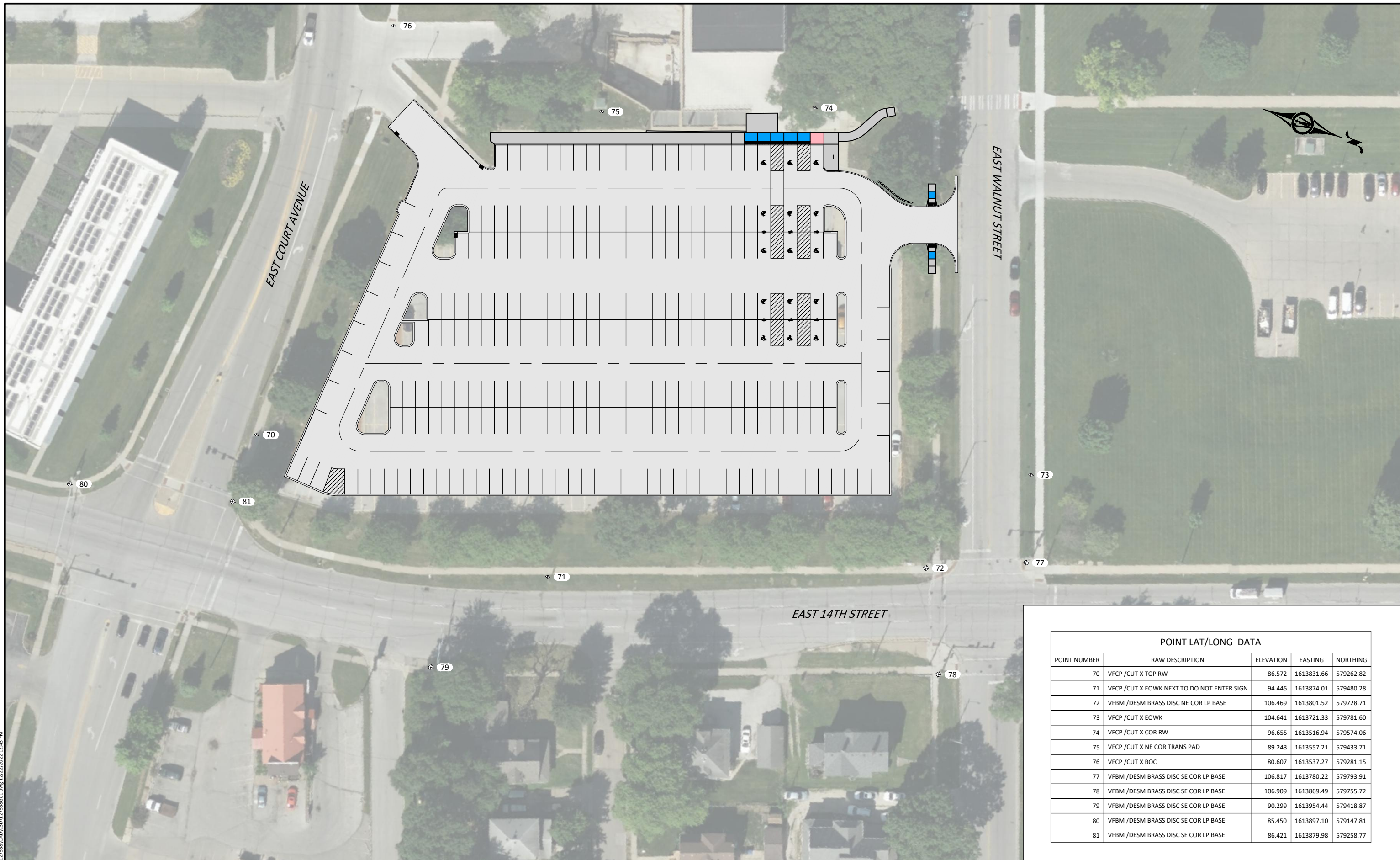


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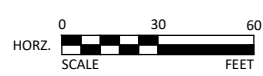
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 REMOVALS

SHEET
F.01

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POINT LAT/LONG DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	EASTING	NORTHING
70	VFCP /CUT X TOP RW	86.572	1613831.66	579262.82
71	VFCP /CUT X EOWK NEXT TO DO NOT ENTER SIGN	94.445	1613874.01	579480.28
72	VFBM /DESM BRASS DISC NE COR LP BASE	106.469	1613801.52	579728.71
73	VFCP /CUT X EOWK	104.641	1613721.33	579781.60
74	VFCP /CUT X COR RW	96.655	1613516.94	579574.06
75	VFCP /CUT X NE COR TRANS PAD	89.243	1613557.21	579433.71
76	VFCP /CUT X BOC	80.607	1613537.27	579281.15
77	VFBM /DESM BRASS DISC SE COR LP BASE	106.817	1613780.22	579793.91
78	VFBM /DESM BRASS DISC SE COR LP BASE	106.909	1613869.49	579755.72
79	VFBM /DESM BRASS DISC SE COR LP BASE	90.299	1613954.44	579418.87
80	VFBM /DESM BRASS DISC SE COR LP BASE	85.450	1613897.10	579147.81
81	VFBM /DESM BRASS DISC SE COR LP BASE	86.421	1613879.98	579258.77



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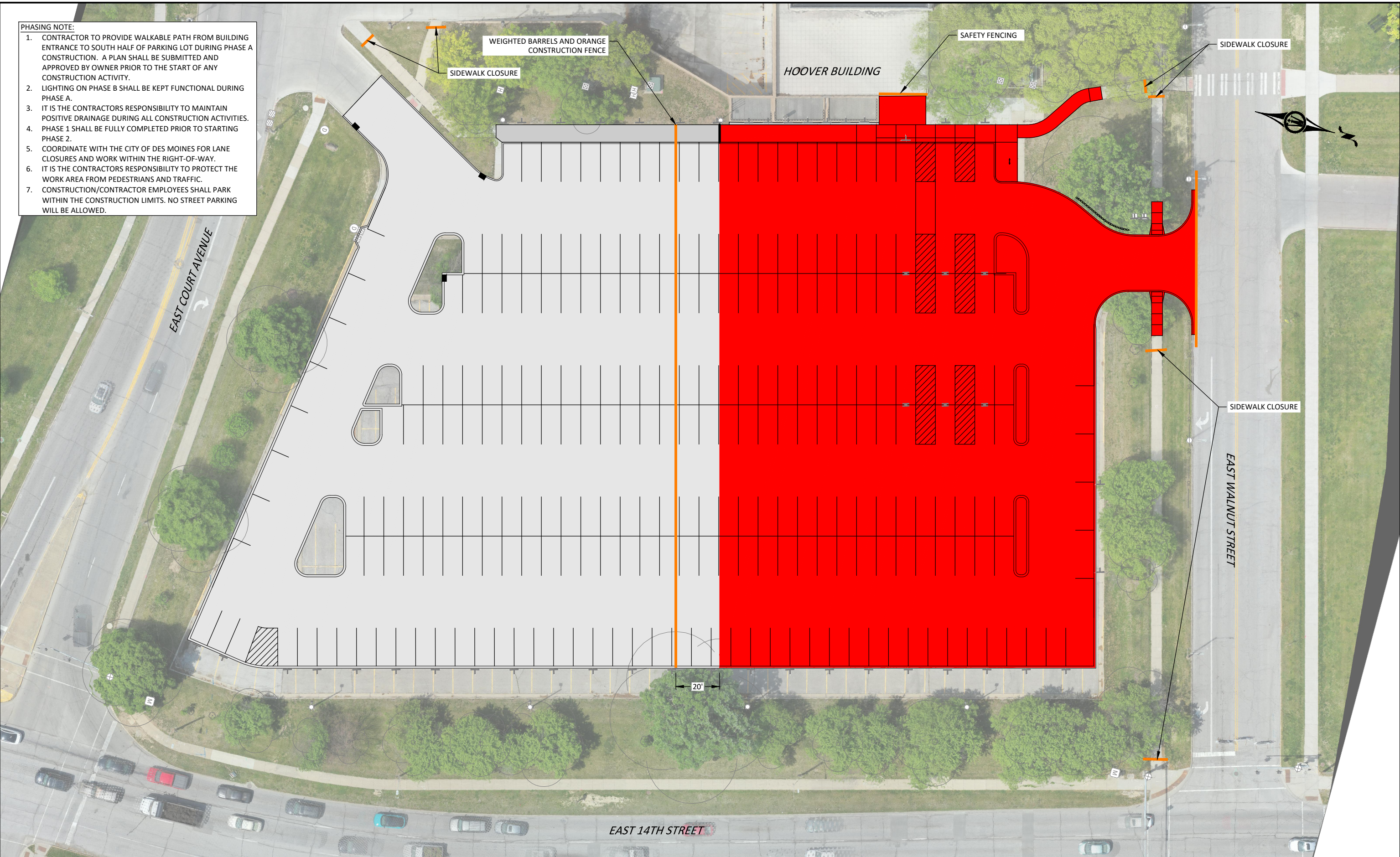
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 CHECKED: WFK
 CLIENT FILE NO.: 9282.00

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 REFERENCE TIES & BENCHMARKS

SHEET
G.01

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- PHASING NOTE:**
1. CONTRACTOR TO PROVIDE WALKABLE PATH FROM BUILDING ENTRANCE TO SOUTH HALF OF PARKING LOT DURING PHASE A CONSTRUCTION. A PLAN SHALL BE SUBMITTED AND APPROVED BY OWNER PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.
 2. LIGHTING ON PHASE B SHALL BE KEPT FUNCTIONAL DURING PHASE A.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN POSITIVE DRAINAGE DURING ALL CONSTRUCTION ACTIVITIES.
 4. PHASE 1 SHALL BE FULLY COMPLETED PRIOR TO STARTING PHASE 2.
 5. COORDINATE WITH THE CITY OF DES MOINES FOR LANE CLOSURES AND WORK WITHIN THE RIGHT-OF-WAY.
 6. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT THE WORK AREA FROM PEDESTRIANS AND TRAFFIC.
 7. CONSTRUCTION/CONTRACTOR EMPLOYEES SHALL PARK WITHIN THE CONSTRUCTION LIMITS. NO STREET PARKING WILL BE ALLOWED.



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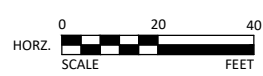
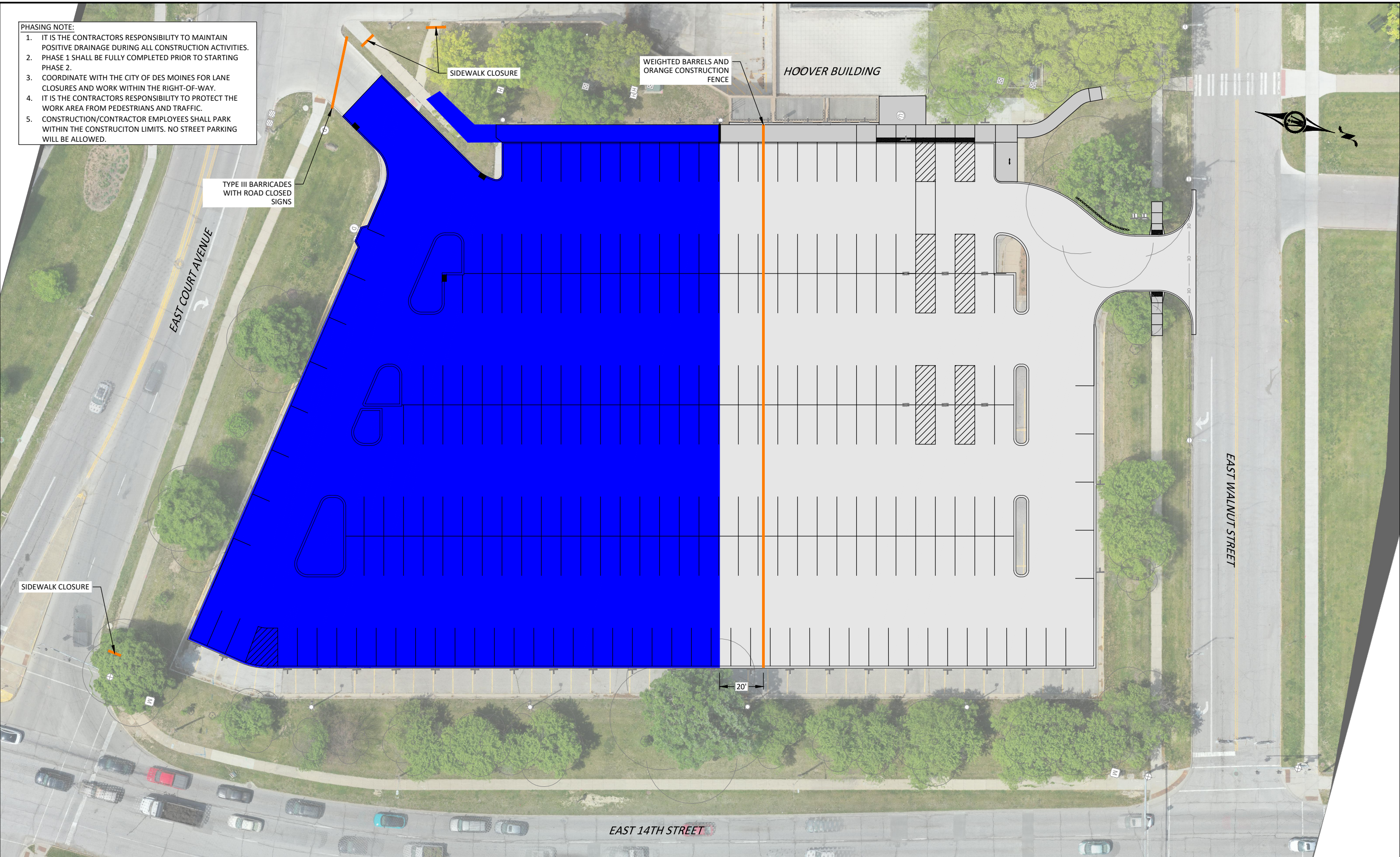
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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 STAGING PLAN - PHASE A

SHEET
J.01

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- PHASING NOTE:**
1. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN POSITIVE DRAINAGE DURING ALL CONSTRUCTION ACTIVITIES.
 2. PHASE 1 SHALL BE FULLY COMPLETED PRIOR TO STARTING PHASE 2.
 3. COORDINATE WITH THE CITY OF DES MOINES FOR LANE CLOSURES AND WORK WITHIN THE RIGHT-OF-WAY.
 4. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT THE WORK AREA FROM PEDESTRIANS AND TRAFFIC.
 5. CONSTRUCTION/CONTRACTOR EMPLOYEES SHALL PARK WITHIN THE CONSTRUCTION LIMITS. NO STREET PARKING WILL BE ALLOWED.



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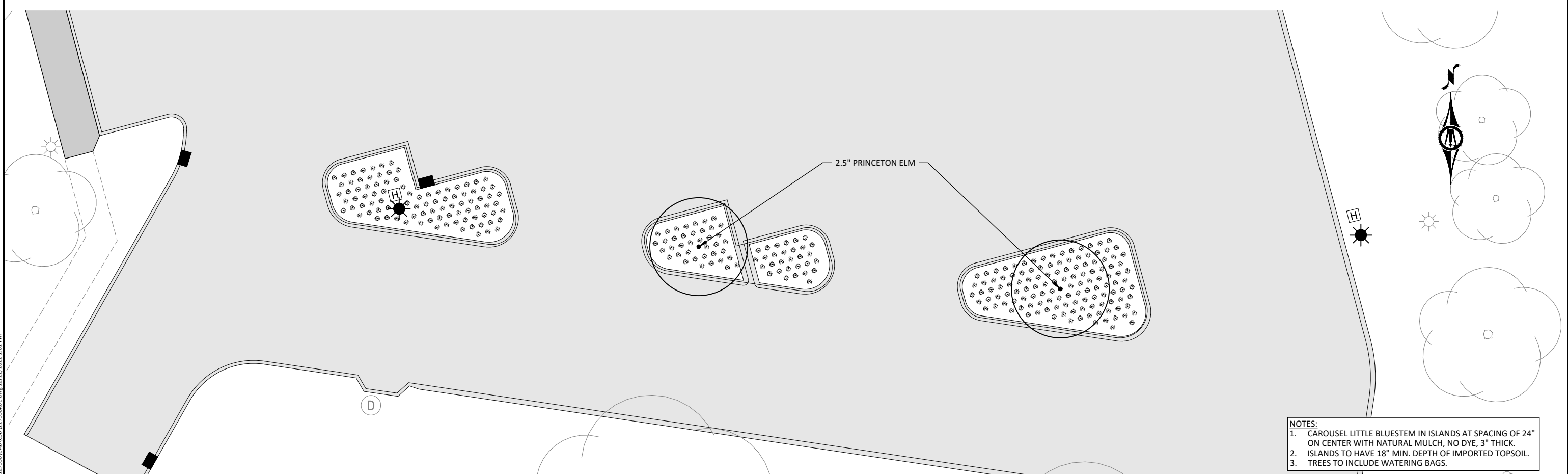
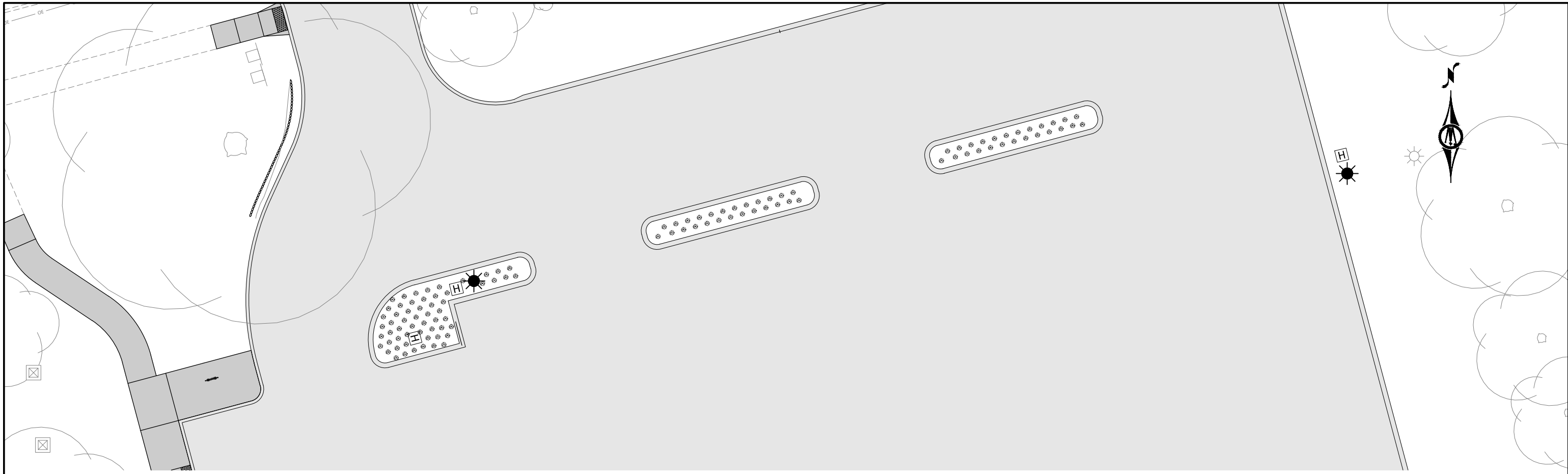


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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 STAGING PLAN - PHASE B

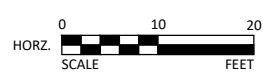
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- NOTES:**
- CAROUSEL LITTLE BLUESTEM IN ISLANDS AT SPACING OF 24" ON CENTER WITH NATURAL MULCH, NO DYE, 3" THICK.
 - ISLANDS TO HAVE 18" MIN. DEPTH OF IMPORTED TOPSOIL.
 - TREES TO INCLUDE WATERING BAGS.

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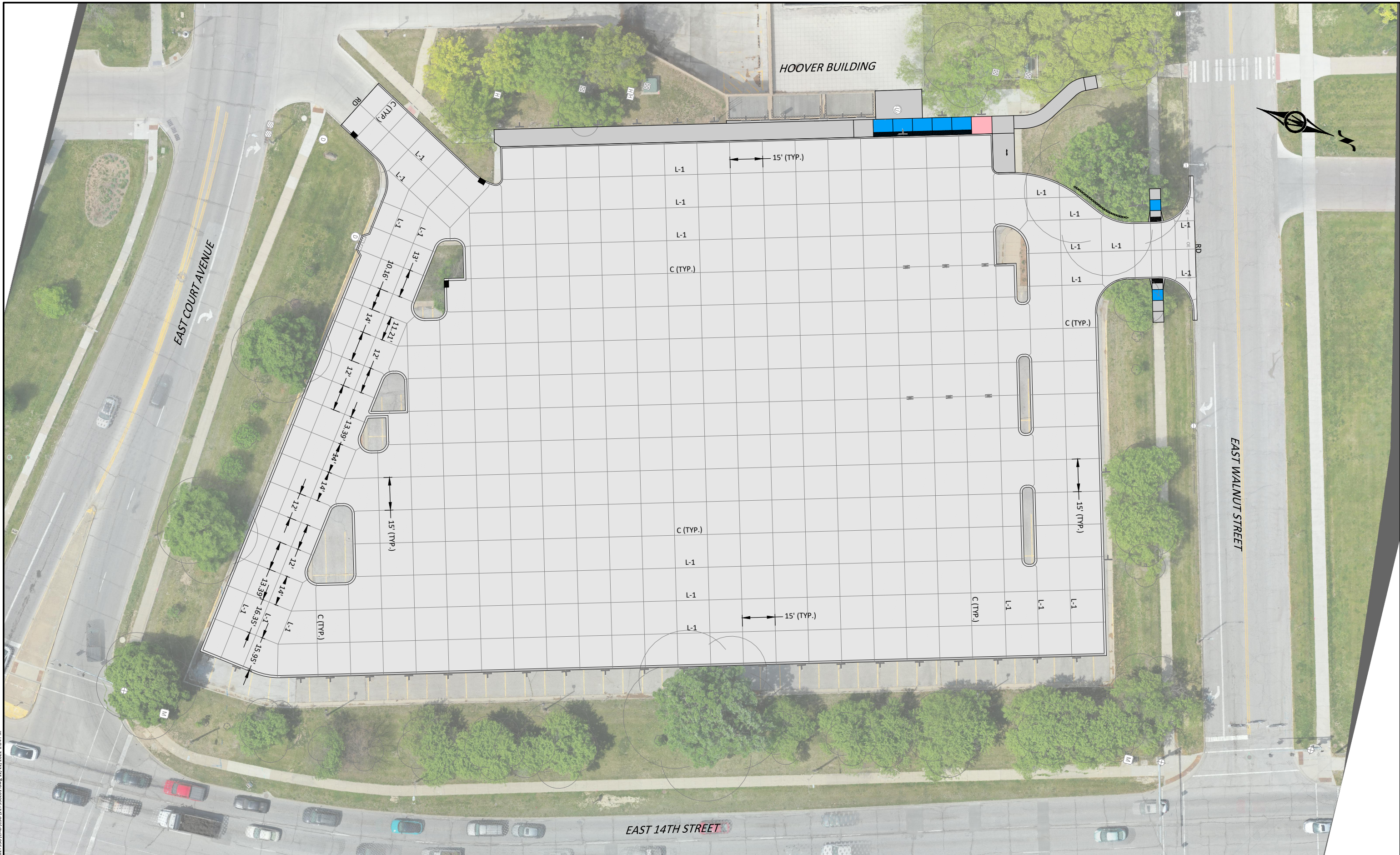
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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 PLANTING PLAN

SHEET
 K.01



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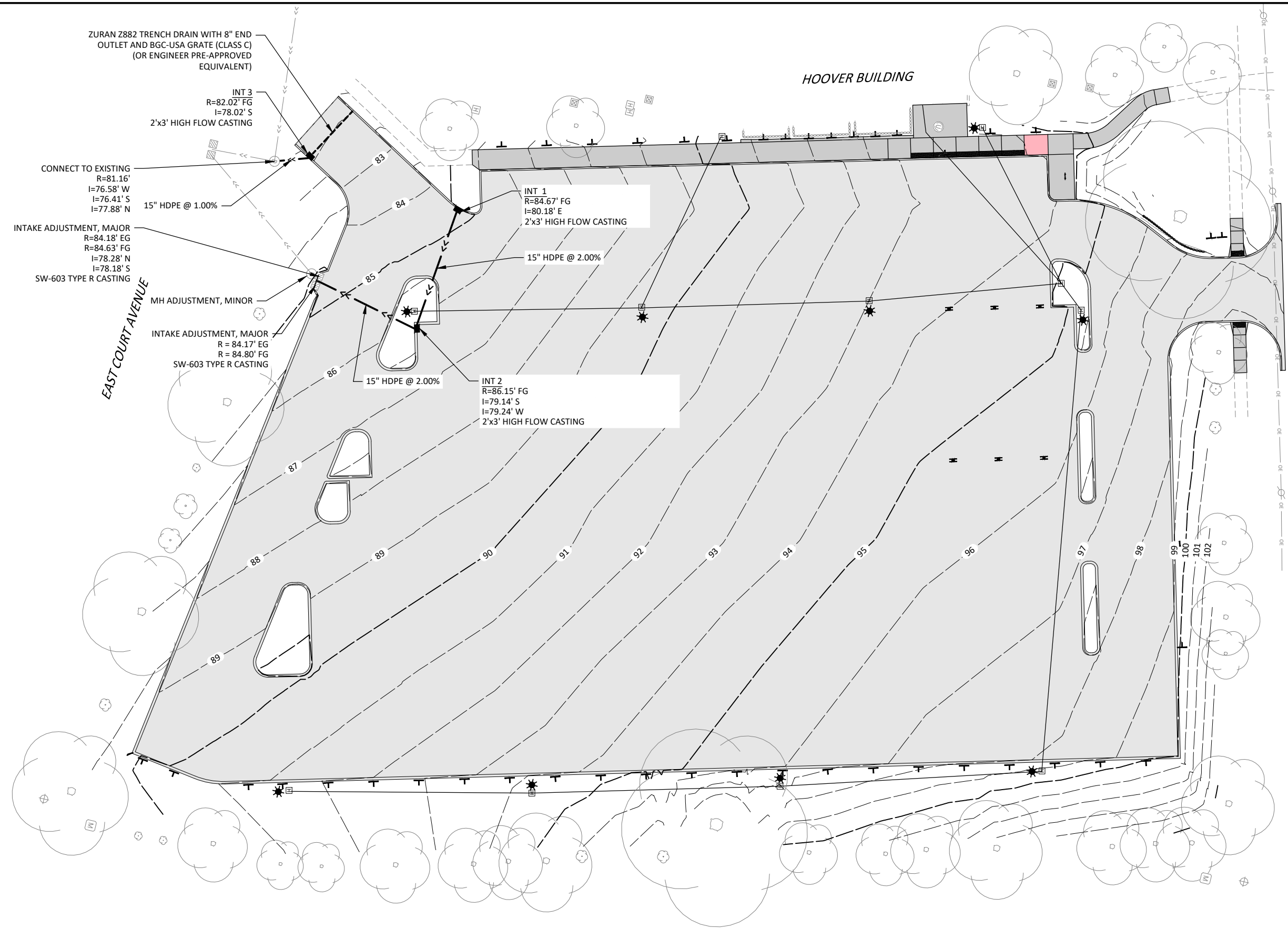
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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT
 JOINTING PLAN

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L.01



ZURAN Z882 TRENCH DRAIN WITH 8" END OUTLET AND BGC-USA GRATE (CLASS C) (OR ENGINEER PRE-APPROVED EQUIVALENT)

INT 3
R=82.02' FG
I=78.02' S
2'x3' HIGH FLOW CASTING

CONNECT TO EXISTING
R=81.16'
I=76.58' W
I=76.41' S
I=77.88' N
15" HDPE @ 1.00%

INTAKE ADJUSTMENT, MAJOR
R=84.18' EG
R=84.63' FG
I=78.28' N
I=78.18' S
SW-603 TYPE R CASTING

EAST COURT AVENUE

MH ADJUSTMENT, MINOR

INTAKE ADJUSTMENT, MAJOR
R = 84.17' EG
R = 84.80' FG
SW-603 TYPE R CASTING

INT 1
R=84.67' FG
I=80.18' E
2'x3' HIGH FLOW CASTING

15" HDPE @ 2.00%

INT 2
R=86.15' FG
I=79.14' S
I=79.24' W
2'x3' HIGH FLOW CASTING

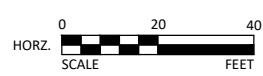
15" HDPE @ 2.00%

HOOVER BUILDING

EAST WALNUT STREET

EAST 14TH STREET

NOTE:
1. INTAKE STRUCTURES MAY BE CONCRETE OR NYLOPLAST (MIN. 24") OR ENGINEER PRE-APPROVED EQUIVALENT.



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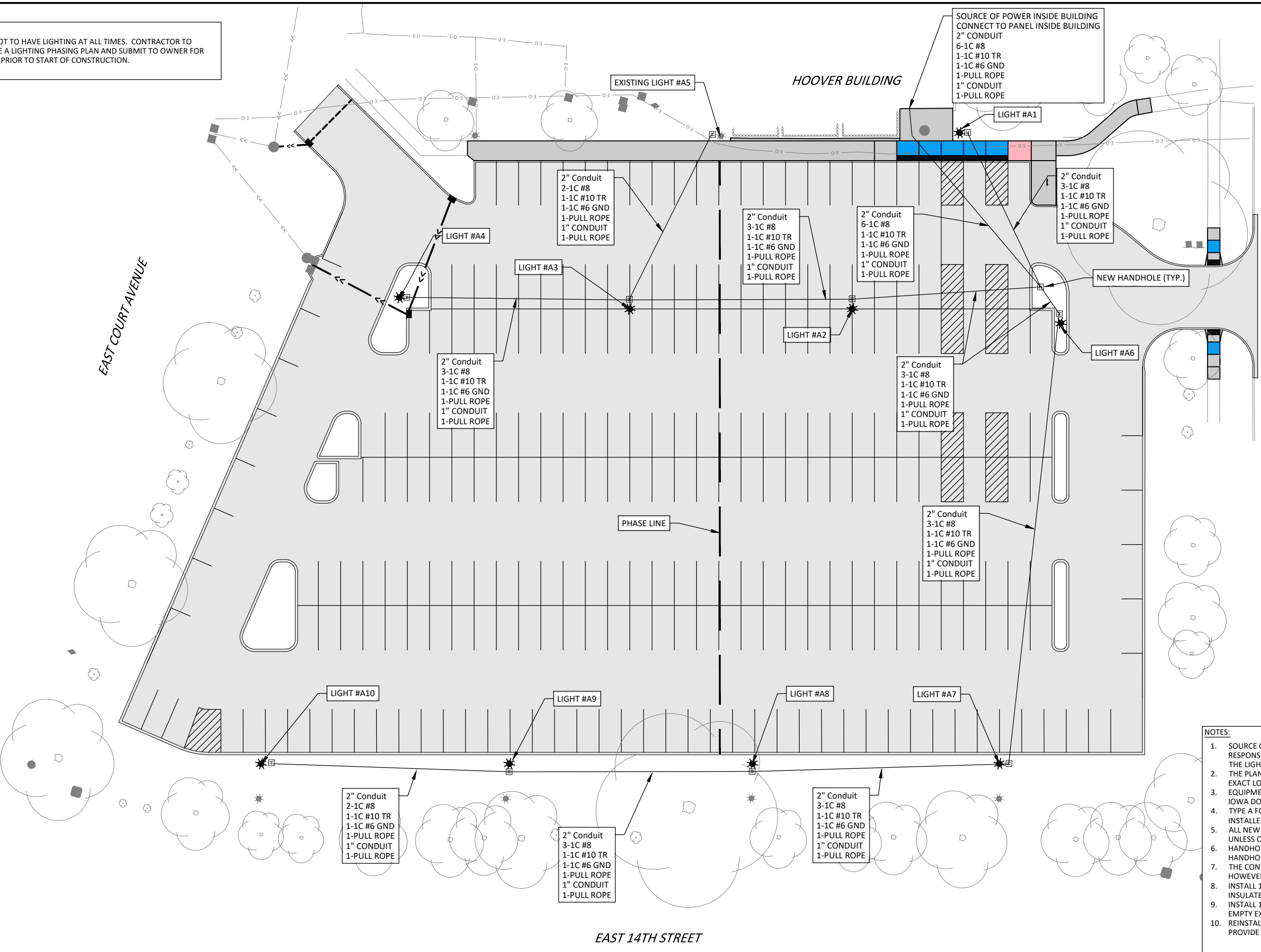
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9282.00 PARKING LOT 1 REPLACEMENT
STORM SEWER PLAN

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M.01

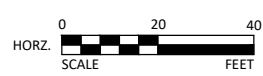
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PHASING NOTES:
 1. PARKING LOT TO HAVE LIGHTING AT ALL TIMES. CONTRACTOR TO DETERMINE A LIGHTING PHASING PLAN AND SUBMIT TO OWNER FOR APPROVAL PRIOR TO START OF CONSTRUCTION.



- NOTES:**
1. SOURCE OF POWER IS WITHIN BUILDING. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONNECTION OF POWER FOR THE LIGHTING SYSTEM.
 2. THE PLAN SPECIFIES CONDUIT SIZE, TYPE, AND GENERAL LOCATIONS. THE EXACT LOCATION WILL BE DETERMINED IN THE FIELD.
 3. EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF IOWA DOT STANDARD SPECIFICATIONS.
 4. TYPE A FOUNDATIONS SHALL BE USED FOR ALL SALVAGED AND INSTALLED POLES, WITH 3' EXPOSED (EXCEPT LIGHT A1).
 5. ALL NEW CONDUIT SHALL BE PVC - SCHEDULE 40 OR HDPE SDR 13.5, UNLESS OTHERWISE NOTED.
 6. HANDHOLES TO BE SIZED BY CONTRACTOR PER ELECTRICAL CODE. ALL HANDHOLES WITHIN PAVEMENT SHALL BE TRAFFIC RATED.
 7. THE CONTRACTOR HAS THE OPTION TO BORE OR TRENCH CONDUIT; HOWEVER, CONDUIT SHALL BE BORED UNDER UNDISTURBED PAVEMENT.
 8. INSTALL 1 PULL ROPE, 1-1/C #10 TRACER WIRE, AND 1-1/C #6 GREEN INSULATED GROUND IN EACH 2" CONDUIT.
 9. INSTALL 1 PULL ROPE IN EACH 1" CONDUIT. CONDUIT WILL REMAIN EMPTY EXCEPT FOR THE PULL ROPE.
 10. REINSTALL SALVAGED POLES AND HEADS. DIRECT HEADS AS NEEDED TO PROVIDE OPTIMUM LIGHTING COVERAGE, APPROVED BY OWNER.

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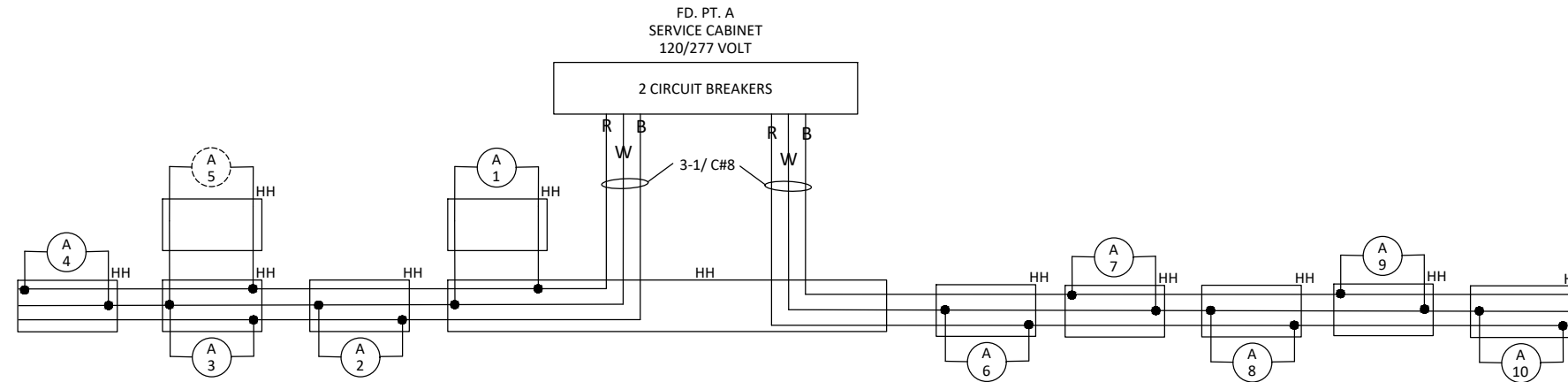


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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT

LIGHTING PLAN

SHEET
 P.01



LIGHTING UNITS AND FOUNDATIONS			
NO.	X - COORDINATE	Y - COORDINATE	TYPE
SYSTEM A			
A1	1613536.03	579555.51	Install Light and Pole on New Type A Foundation
A2	1613616.12	579532.00	Install Light and Pole on New Type A Foundation
A3	1613639.36	579445.05	Install Light and Pole on New Type A Foundation
A4	1613658.92	579353.79	Install Light and Pole on New Type A Foundation
A5	1613562.22	579462.58	Inplace Light and Pole
A6	1613599.90	579615.00	Install Light and Pole on New Type A Foundation
A7	1613778.54	579636.95	Install Light and Pole on New Type A Foundation
A8	1613804.31	579540.50	Install Light and Pole on New Type A Foundation
A9	1613829.71	579445.43	Install Light and Pole on New Type A Foundation
A10	1613855.64	579348.39	Install Light and Pole on New Type A Foundation

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Phone: (515) 259-9190
Email: DesMoines@bolton-menk.com
www.bolton-menk.com



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SEALED	JLE
CHECKED	WFK
CLIENT PROJ. NO.	9282.00

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
LIGHTING PLAN



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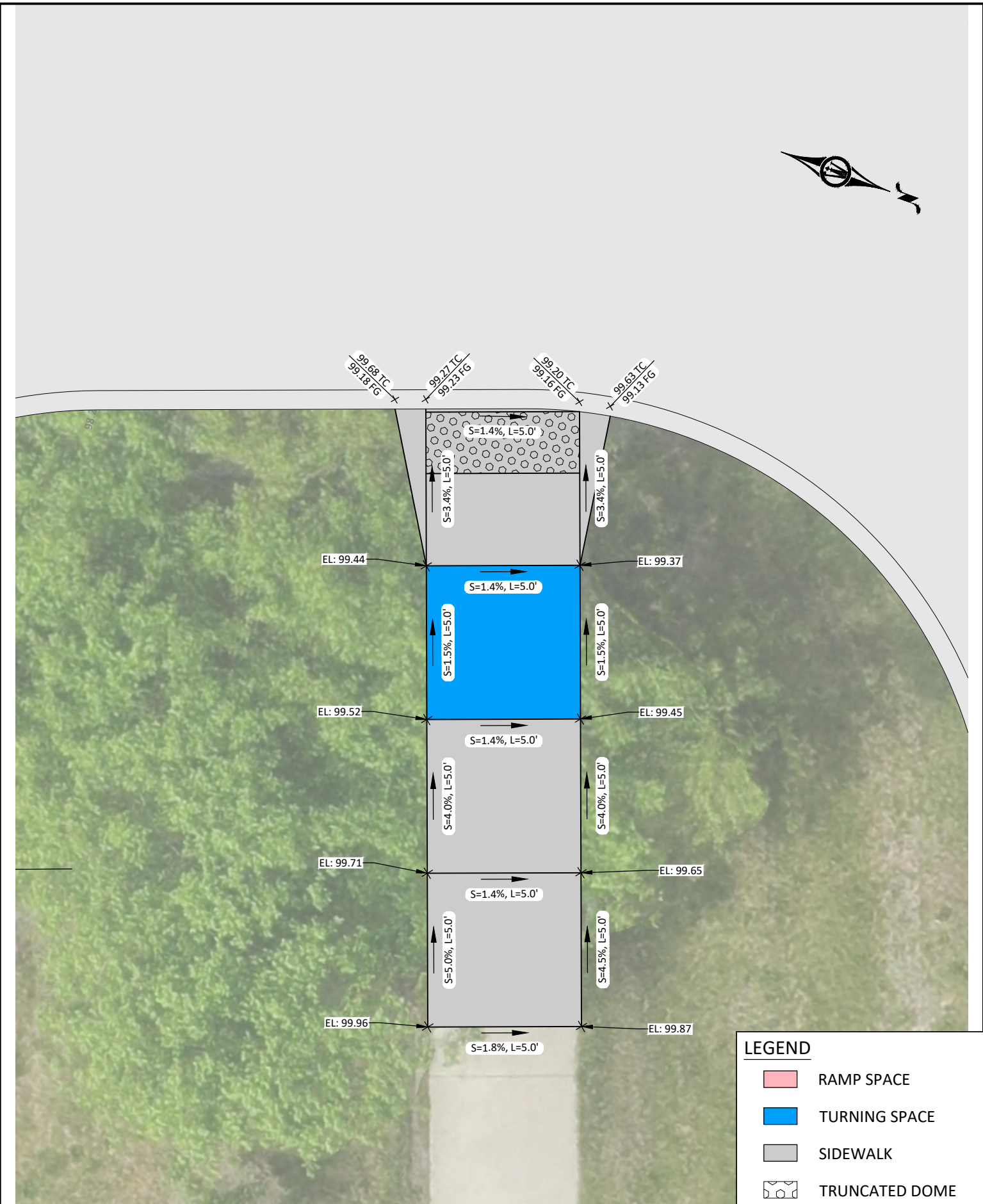
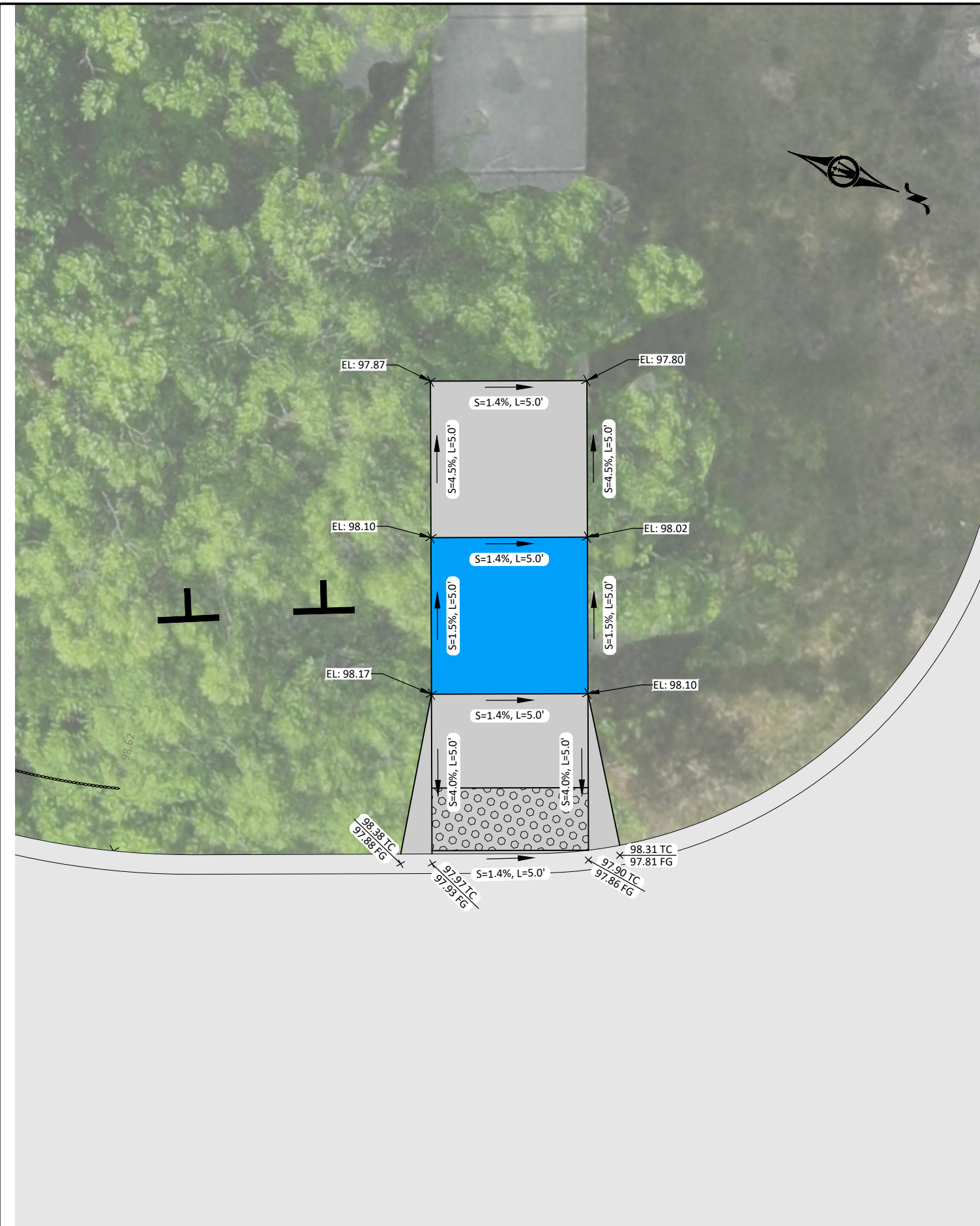
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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
 9282.00 PARKING LOT 1 REPLACEMENT

EROSION CONTROL

SHEET
R.01

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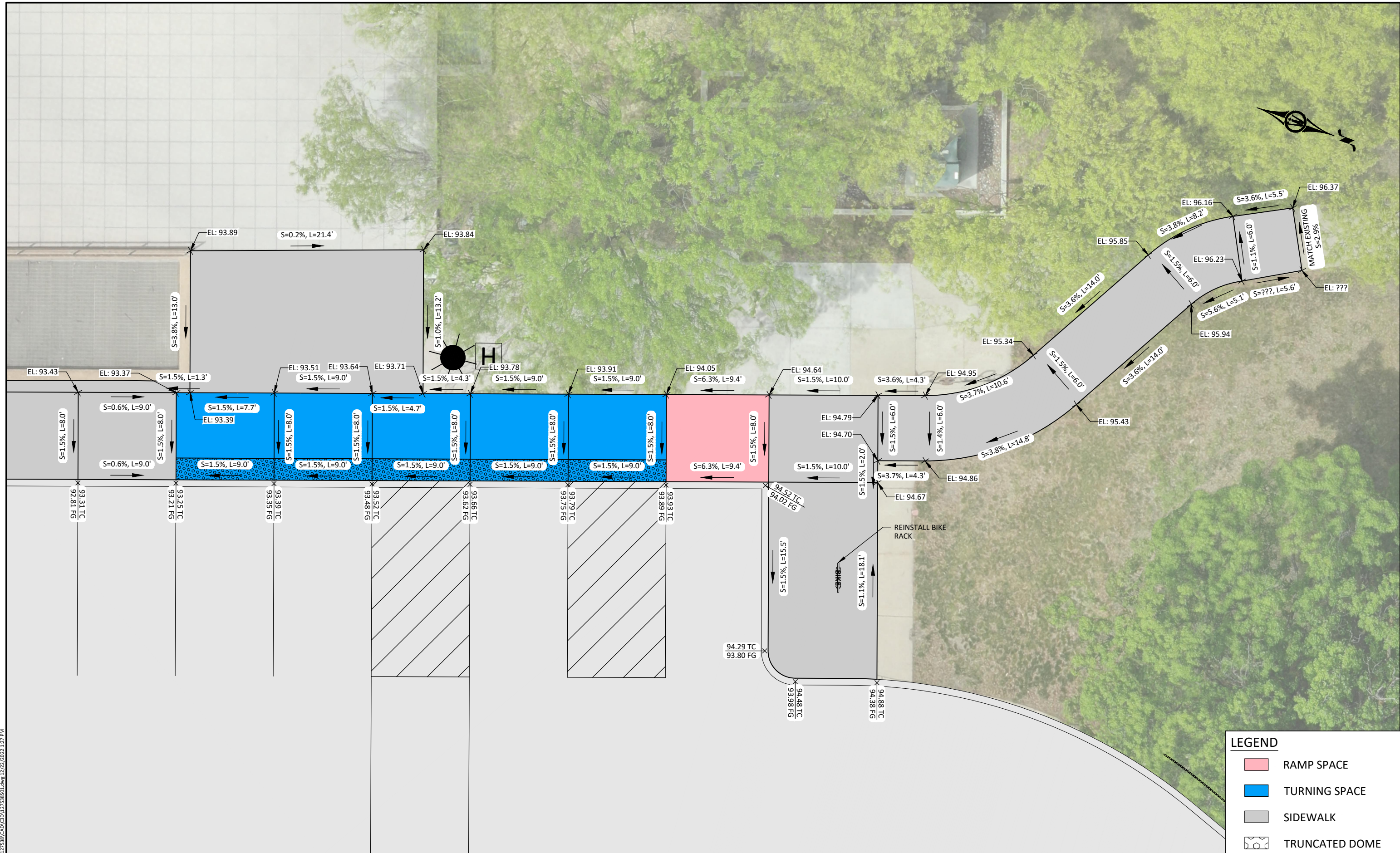
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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
NORTH ENTRY ADA RAMPS

SHEET
S.01

LEGEND

- RAMP SPACE
- TURNING SPACE
- SIDEWALK
- TRUNCATED DOME



LEGEND

- RAMP SPACE
- TURNING SPACE
- SIDEWALK
- TRUNCATED DOME



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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9282.00 PARKING LOT 1 REPLACEMENT
BUILDING ENTRANCE ADA COMPLIANCE

SHEET
S.02

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