

**GOVERNING SPECIFICATIONS**

THE 2025 EDITION OF THE "IOWA STATEWIDE URBAN SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" AND CITY OF WAVERLY SPECIFICATIONS.

MUTCD 2025 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 38-22, ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".

**RESOURCE LIST****CITY OF WAVERLY, IOWA**

City Hall  
200 1st St NE  
Waverly, IA  
50677

Leisure Services Director:  
Garret Riordan

Public Works Director:  
Justin McGlaun

City Administrator:  
James W. Bronner

City Engineer:  
(Consultant)  
David Millmeyer P.E.  
Bolton & Menk, Inc.

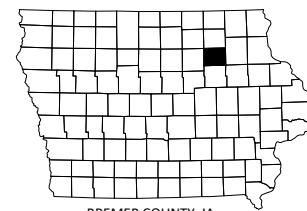
**CITY OF WAVERLY, IA****CONSTRUCTION PLANS FOR  
2026 LEISURE SERVICES PARKING LOT**

JANUARY, 2026



<u>SHEET NUMBER</u>	<u>SHEET TITLE</u>
A.01	TITLE SHEET
A.02	LEGEND
B.01 - B.02	TYPICAL SECTIONS AND DETAILS
C.01	QUANTITIES AND ESTIMATE REFERENCE INFORMATION
D.01	LAYOUT PLAN
D.02 - D.03	GRADING PLAN
Q.01	REMOVAL PLAN

THIS PLAN SET CONTAINS 9 SHEETS.

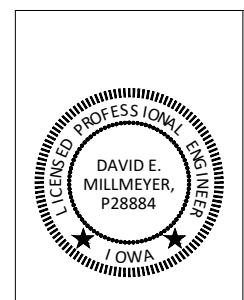


MAP OF THE  
CITY OF WAVERLY  
BREMER COUNTY, IA

0 300 600  
SCALE FEET

**MAP LEGEND**

■ PROJECT LOCATION



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.

*David Millmeyer*  
DAVID E. MILLMEYER, P.E.

LICENSE NUMBER: P28884 DATE: 01/12/2026

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2027  
PAGES OR SHEETS COVERED BY THIS SEAL:

ALL SHEETS

CITY OF WAVERLY, IOWA

2026 LEISURE SERVICES PARKING LOT

TITLE SHEET

SHEET  
A.01



401 FIRST ST SE, SUITE 201  
CEDAR RAPIDS, IOWA 52401  
Phone: (319) 362-3219  
Email: CedarRapids@bolton-menk.com  
www.bolton-menk.com

DESIGNED	REV	DESCRIPTION	DATE
PJR			
DRAWN			
PJR			
CHECKED			
DEM			
CLIENT PROJ. NO.			
202506			

## EXISTING TOPOGRAPHIC SYMBOLS

ACCESS GRATE	REGULATION STATION GAS
AIR CONDITION UNIT	SATELLITE DISH
ANTENNA	SIGN TRAFFIC
AUTO SPRINKLER CONNECTION	SIGNAL CONTROL CABINET
BARRICADE PERMANENT	SOIL BORING
BASKETBALL POST	SIREN
BENCH	TELEPHONE BOOTH
BIRD FEEDER	TILE INLET
BOLLARD	TILE OUTLET
BUSH	TILE RISER
CATCH BASIN RECTANGULAR CASTING	TRANSFORMER-ELECTRIC
CATCH BASIN CIRCULAR CASTING	TREE-CONIFEROUS
CURB STOP	TREE-DEAD
CLEAN OUT	TREE-DECIDUOUS
CLVT	TREE STUMP
DRINKING FOUNTAIN	TRAFFIC ARM BARRIER
DOWN SPOUT	TRAFFIC SIGNAL
ELECTRIC CAR CHARGE STATION	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-RECLAIMED WATER	
MANHOLE-SANITARY SEWER	
MANHOLE-STORM SEWER	
MANHOLE-UTILITY	
MANHOLE-WATER	
METER	
DRIVE-THRU MICROPHONE	
PARKING METER	
PAVEMENT MARKING	
PEDESTAL-COMMUNICATION	
PEDESTAL-ELECTRIC	
PEDESTRIAN PUSH BUTTON	
PICNIC TABLE	
POLE-UTILITY	
POST	
RAILROAD SIGNAL POLE	

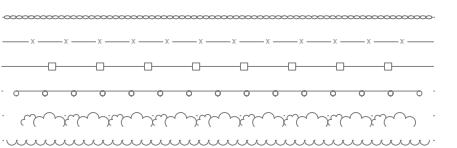
## PROPOSED TOPOGRAPHIC SYMBOLS

● 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

⊕ BENCHMARK LOCATION	CAST IRON MONUMENT
◊ CONTROL POINT	STONE MONUMENT
● MONUMENT FOUND	

## EXISTING TOPOGRAPHIC LINES



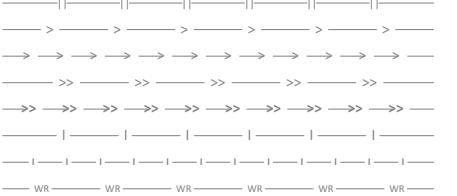
RETAINING WALL  
FENCE  
FENCE-DECORATIVE  
GUARD RAIL  
TREE LINE  
BUSH LINE

## SURVEY LINES



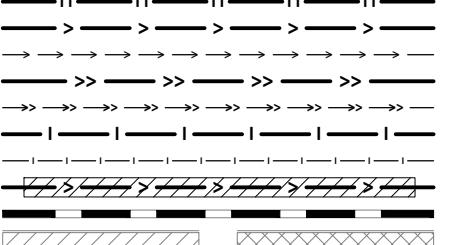
CONTROLLED ACCESS  
BOUNDARY  
CENTERLINE  
EXISTING EASEMENT LINE  
PROPOSED EASEMENT LINE  
EXISTING LOT LINE  
PROPOSED LOT LINE  
EXISTING RIGHT-OF-WAY  
PROPOSED RIGHT-OF-WAY  
SETBACK LINE  
SECTION LINE  
QUARTER LINE  
SIXTEENTH LINE  
TEMPORARY EASEMENT

## EXISTING UTILITY LINES



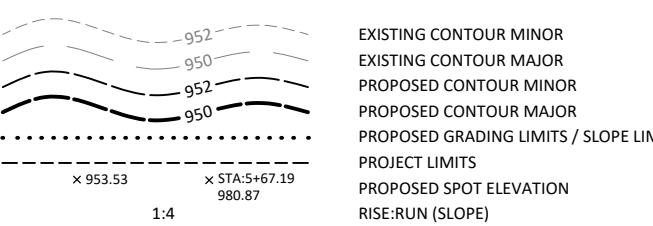
FORCEMAIN  
SANITARY SEWER  
SANITARY SERVICE  
STORM SEWER  
STORM SEWER DRAIN TILE  
WATERMAIN  
WATER SERVICE  
RECLAIMED WATER

## PROPOSED UTILITY LINES



FORCEMAIN  
SANITARY SEWER  
SANITARY SERVICE  
STORM SEWER  
STORM SEWER DRAIN TILE  
WATERMAIN  
WATER SERVICE  
PIPE CASING  
TRENCHLESS PIPE (PLAN VIEW)  
TRENCHLESS PIPE (PROFILE VIEW)

## GRADING INFORMATION



EXISTING CONTOUR MINOR  
EXISTING CONTOUR MAJOR  
PROPOSED CONTOUR MINOR  
PROPOSED CONTOUR MAJOR  
PROPOSED GRADING LIMITS / SLOPE LIMITS  
PROJECT LIMITS  
PROPOSED SPOT ELEVATION  
RISE:RUN (SLOPE)

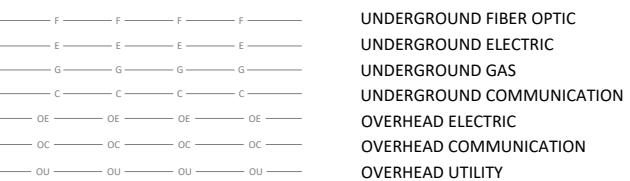
HEAVY DUTY HMA PAVEMENT      HMA PAVEMENT      PCC PAVEMENT

1:4

## EXISTING PRIVATE UTILITY LINES

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

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 GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".



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: — G-A — G-A — UNDERGROUND GAS, QUALITY LEVEL A  
UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-22.

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

HEAVY DUTY HMA PAVEMENT      HMA PAVEMENT      PCC PAVEMENT

1:4

CITY OF WAVERLY, IOWA

2025 ALLEY RECONSTRUCTION

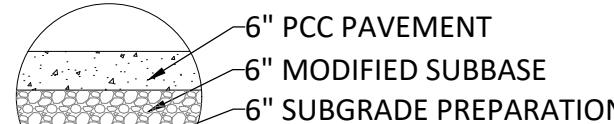
LEGEND



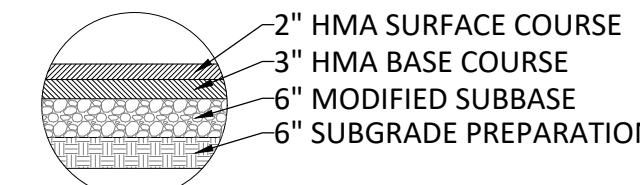
401 FIRST ST SE, SUITE 201  
CEDAR RAPIDS, IOWA 52401  
Phone: (319) 362-3219  
Email: CedarRapids@bolton-menk.com  
www.bolton-menk.com

DESIGNED RCK  
DRAWN RCK  
CHECKED DEM  
CLIENT PROJ. NO. OG1.133771

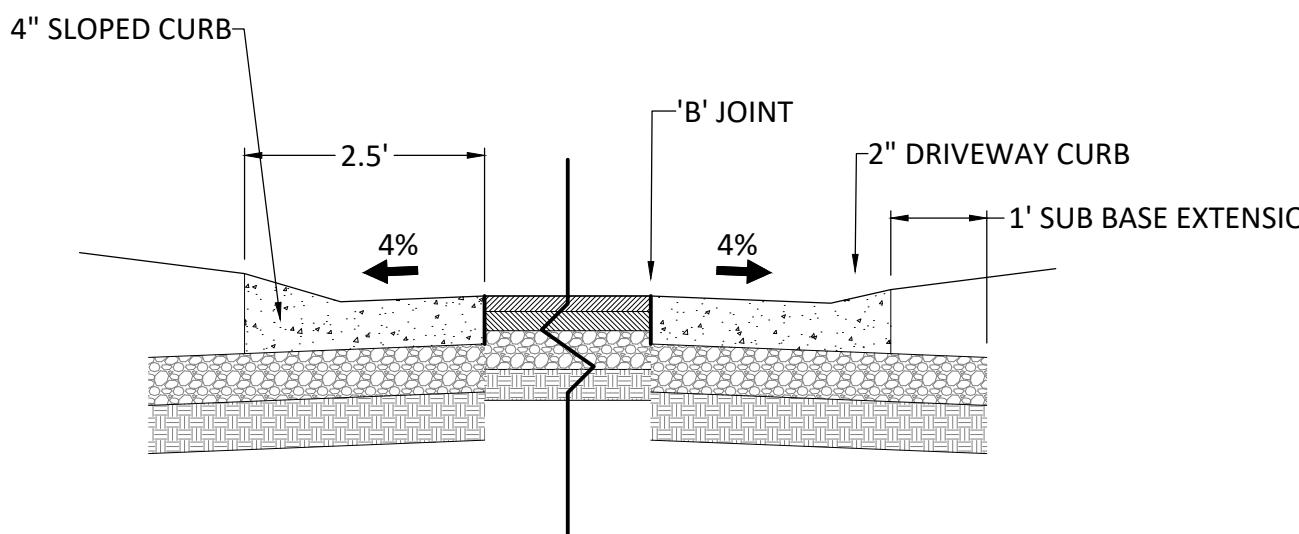
SHEET  
A.02



1  
B.01  
TYPICAL PCC SECTION  
NOT TO SCALE



2  
B.01  
TYPICAL HMA SECTION  
NOT TO SCALE

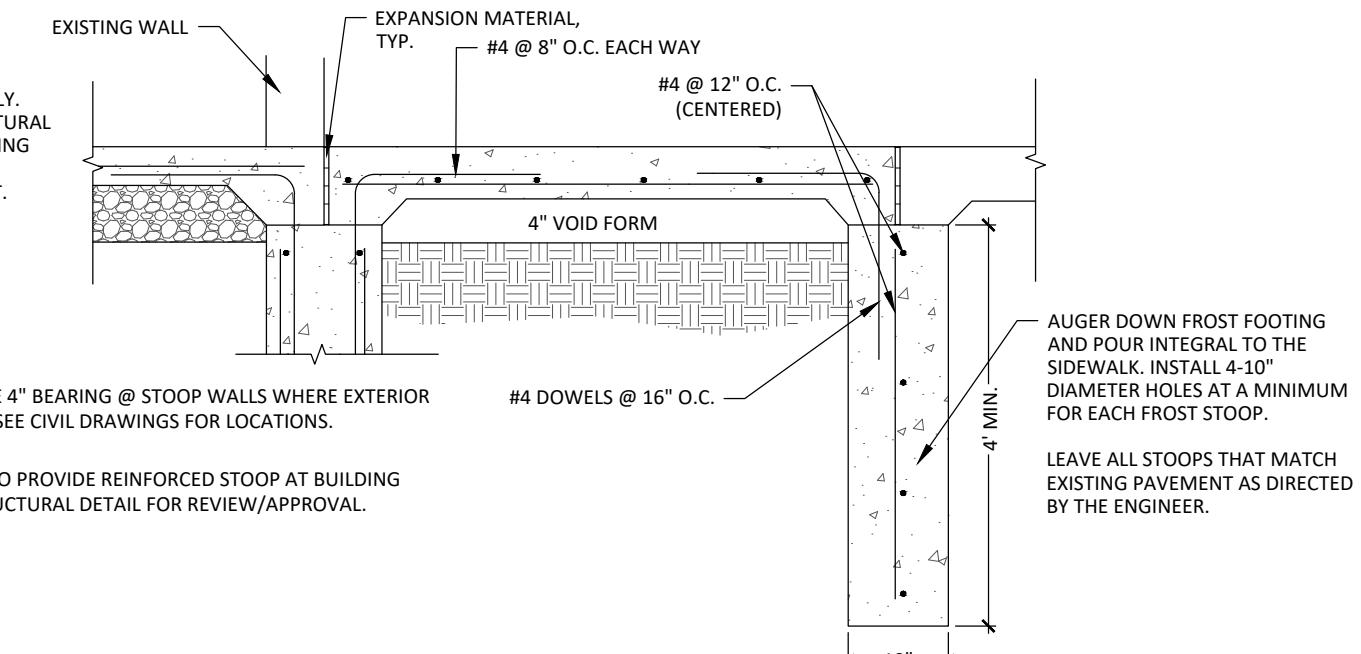


3  
B.01  
TYPICAL CURB SECTION  
NOT TO SCALE

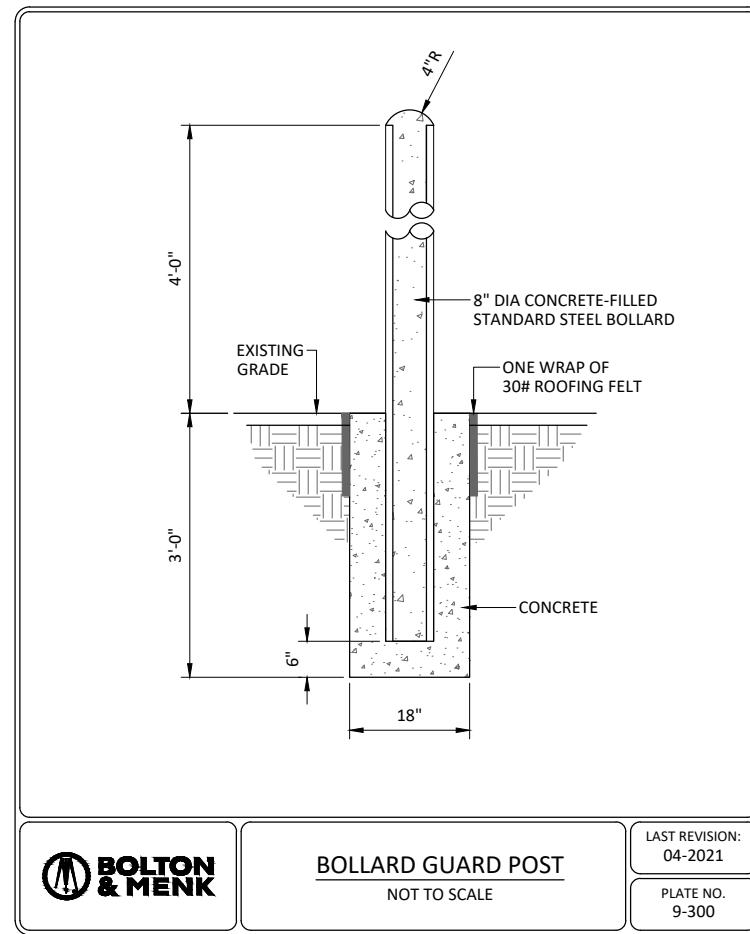
NOTE: DETAIL FOR REFERENCE ONLY.  
CONTRACTOR TO PROVIDE STRUCTURAL  
SHOP DRAWINGS BASED ON EXISTING  
SITE CONDITIONS, FOLLOWING  
REMOVAL OF EXISTING PAVEMENT.

NOTE: CONTRACTOR TO PROVIDE 4" BEARING @ STOOP WALLS WHERE EXTERIOR  
PAVEMENT/SIDEWALK OCCURS. SEE CIVIL DRAWINGS FOR LOCATIONS.

STOOP SECTION: CONTRACTOR TO PROVIDE REINFORCED STOOP AT BUILDING  
ENTRANCE. SUBMIT SIGNED STRUCTURAL DETAIL FOR REVIEW/APPROVAL.



4  
B.01  
FROST STOOP SECTION  
NOT TO SCALE



1  
B.02

TYPICAL BOLLARD INSTALLATION  
NOT TO SCALE

DESIGNED	REV	DESCRIPTION	DATE
PJR			
DRAWN			
PJR			
CHECKED			
DEM			
CLIENT PROJ. NO.			
202506			

### ESTIMATED PROJECT QUANTITIES - BASE BID

ITEM NO.	ITEM CODE	ITEM	UNIT	QUANTITY	AS-BUILT QTY.
1	0000-999-BA	BOLLARD	EA	11	
2	2010-E	EXCAVATION, CLASS 10 WASTE	CY	177	
3	2010-G	SUBGRADE PREPARATION	SY	2289	
4	2010-J	SUBBASE, MODIFIED, 6 INCHES	SY	2289	
5	6010-E	MANHOLE ADJUSTMENT, MINOR	EA	2	
6	7010-A	PAVEMENT, PCC, 6 INCH, C MIX	SY	305	
7	7010-A	PAVEMENT, PCC, FROST FOOTING, C MIX	SY	6	
8	7010-E	CURB AND GUTTER, 2 INCH STANDARD CURB, 30 INCH WIDTH, 6 INCH THICKNESS	LF	193	
9	7020-B	PAVEMENT, ASPHALT, ST, 5 INCH	SY	1936	
10	7040-H	PAVEMENT REMOVAL	SY	2095	
11	9040-F-1	WATTLE, STRAW, 12 INCH	LF	485	
12	9040-F-2	WATTLE, REMOVAL	LF	485	
13	9040-J	RIP RAP, EROSION STONE	TON	5	
14	9060-E	REMOVAL OF FENCE	LF	80	
15	11010-A	CONSTRUCTION SURVEY	LS	1	
16	11020-A	MOBILIZATION	LS	1	

### ESTIMATE REFERENCE INFORMATION

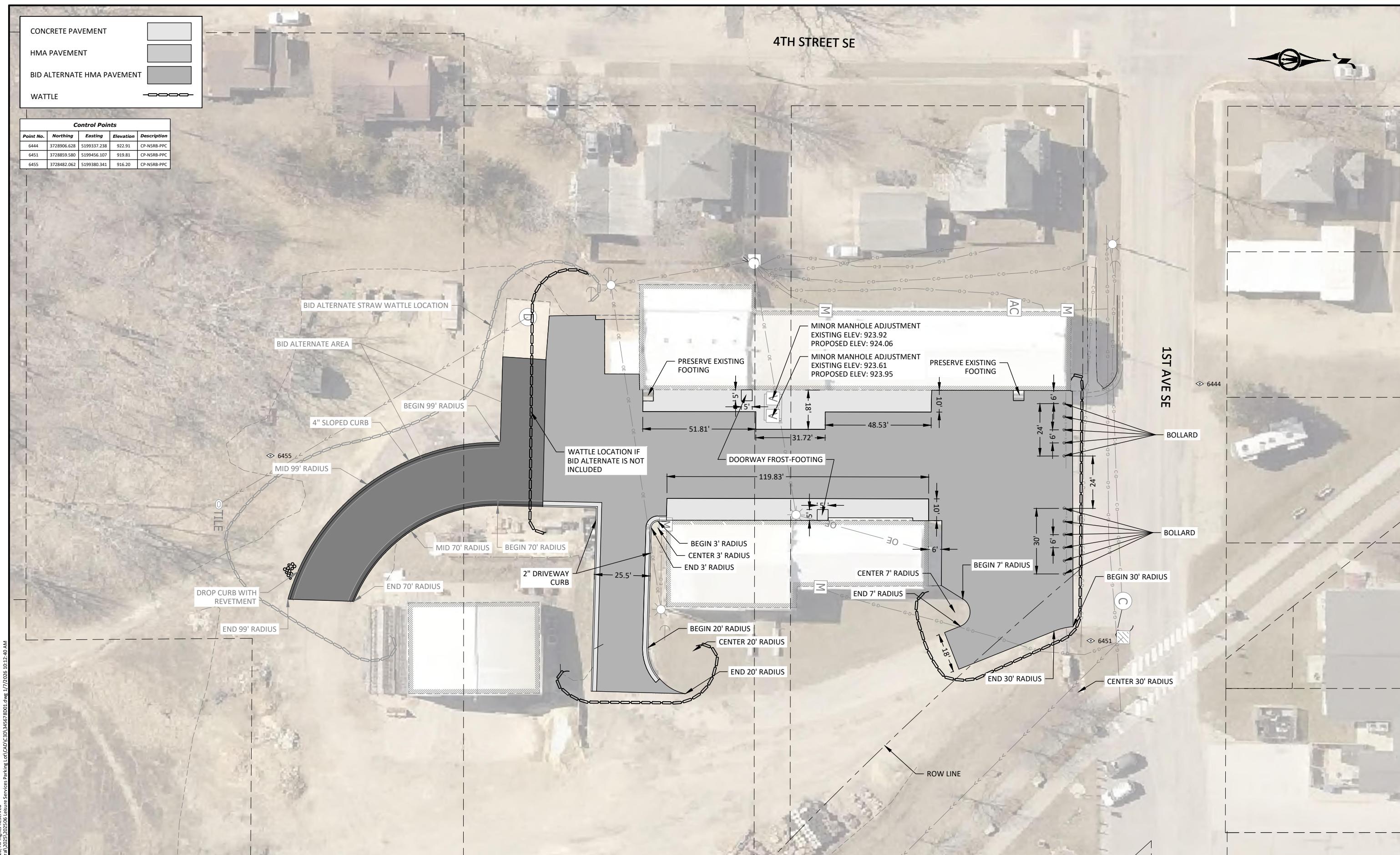
ITEM NO.	ITEM CODE	DESCRIPTION
1	0000-999-BA	<u>BOLLARD</u>  THIS ITEM SHALL INCLUDE ALL MATERIAL AND LABOR TO INSTALL A 8 INCH STEEL BOLLARD. THE BOLLARD SHALL BE 8 INCH DIAMETER CONCRETE FILLED STANDARD STEEL BOLLARD. SEE DETAIL 1 ON SHEET B.02 FOR INFORMATION AND SHEET D.01 FOR PROPOSED LOCATIONS.
2	2010-E	<u>EXCAVATION, CLASS 10 WASTE</u> THIS ITEM SHALL INCLUDE THE REMOVAL OF EXISTING SOIL, HAULING, DISPOSAL/EXPORT AND RE-GRADING AS PER PLAN TO FACILITATE ALL PROPOSED SECTIONS. ALL BORROW SHALL BE PROVIDED BY THE CONTRACTOR. EXCESS OR UNSUITABLE EXCAVATED MATERIAL WILL BECOME PROPERTY OF THE CONTRACTOR AND WILL BE HAULED OFF-SITE INCIDENTAL TO THE ITEM. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR OVERHAUL OF WASTE. TOPSOIL SHALL BE PLACED AND SPREAD TO A MINIMUM THICKNESS OF 6" IN ALL DISTURBED TURF AREAS AND PAID FOR AS TOPSOIL, ON-SITE. RAW CUT = 177 CY, RAW FILL = 58 CY, ADJUSTED FILL (1.30 FACTOR) = 76 CY RAW EARTHWORK QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY ARE A COMPARISON OF EXISTING CONDITIONS AND PROPOSED CONDITIONS AND MAY INCLUDE MATERIALS AND OPERATIONS PAID FOR UNDER OTHER BID ITEMS E.G. PAVEMENT REMOVAL, STORM SEWER TRENCHED, PCC PAVEMENT, SUBBASE, TOPSOIL, COMPOST AMENDMENT, ETC. MEASUREMENT WILL NOT BE MADE AND QUANTITY PAID WILL BE ON A PERCENT OF ITEM COMPLETE.
3	2010-G	<u>SUBGRADE PREPARATION</u> A. BID ITEM SHALL BE USED UNDER ALL PAVEMENT SECTIONS EXTENDING 1 FEET BEYOND THE PAVEMENT EDGE. IN INSTANCES OF CONFLICT WITH EXISTING UTILITIES, THE DEPTH MAY BE REDUCED AS DIRECTED BY THE ENGINEER. B. SUBGRADE PREPARATION SHALL ONLY BE USED IN AREAS THAT FAIL A PROOF ROLL AFTER REGRADING HAS BEEN COMPLETED. THIS BID ITEM SHALL SET A UNIT PRICE. ONLY AREAS REQUIRING SUBGRADE PREPARATION AS DETERMINED BY THE ENGINEER OR CITY OF WAVERLY STAFF SHALL BE PAID.
4	2010-J	<u>SUBBASE, MODIFIED, 6 INCHES</u> THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, COMPACTION OF SUBGRADE, FURNISHING, PLACING, COMPACTING, AND TRIMMING TO THE PROPER GRADE.
5	6010-E	<u>MANHOLE ADJUSTMENT, MINOR</u> A. THIS BID ITEM SHALL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO ADJUST CASTINGS TO FINISHED GRADE. THIS ITEM INCLUDES THE REMOVAL AND REPLACEMENT OF ADJUSTMENT RINGS AND THE INSTALLATION OF NEW CASTING. B. THIS BID ITEM IS FOR ADJUSTMENT OF MANHOLES TO THE FINISH GRADE SURFACING.
6	7010-A	<u>PAVEMENT, PCC, 6 INCH, C MIX</u> CONCRETE SHALL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SLAG IS NOT ALLOWED. CURB AND GUTTER SECTION IS INCLUDE IN THE AREA OF THIS ITEM AND SHALL BE INCIDENTAL TO PAVEMENT CONSTRUCTION. REINFORCEMENT SHALL BE EPOXY COATED. 6 INCH MODIFIED SUBBASE SHALL BE PLACED UNDER THE PAVEMENT AND IS PAID FOR UNDER A SEPARATE BID ITEM. NO ADDITIONAL PAYMENT FOR COLD WEATHER PAVING OPERATIONS. 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, AND BOXOUTS FOR FIXTURES SHALL BE INDICENTAL TO THIS ITEM.
7	7010-A	<u>PAVEMENT, PCC, FROST FOOTING, C MIX</u> A. THIS BID ITEM IS FOR INSTALLATION OF NEW FROST FOOTINGS AS DETAILED ON B.01 AND APPROVED BY THE ENGINEER. B. EXISTING FROST FOOTINGS SHALL REMAIN AS SHOWN ON SHEETS D.01 AND Q.01. C. VERIFY ALL LOCATIONS PRIOR TO REMOVALS WITH THE ENGINEER OR CITY OF WAVERLY STAFF.

### ESTIMATED PROJECT QUANTITIES (ALTERNATE A)

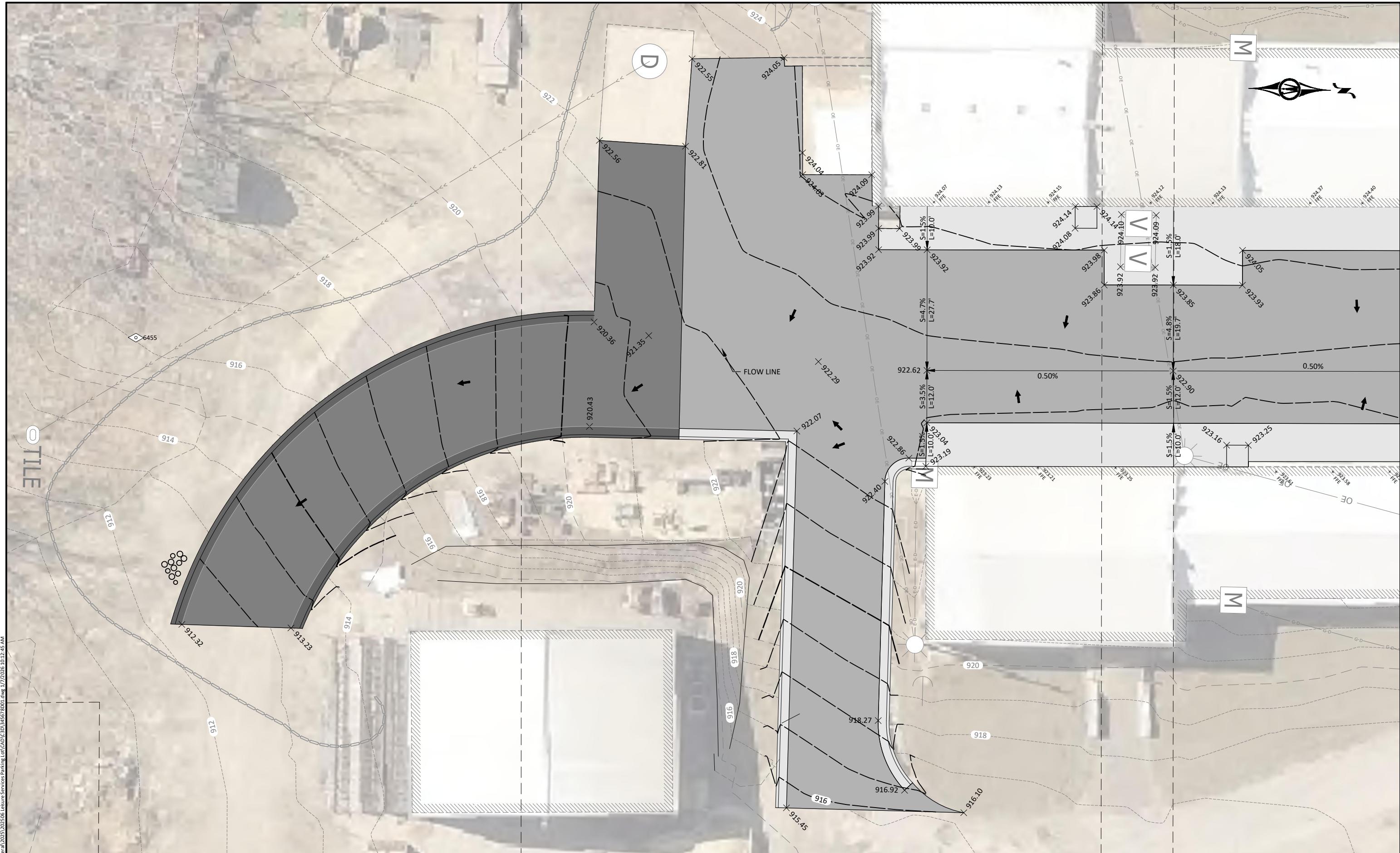
ITEM NO.	ITEM CODE	ITEM	UNIT	QUANTITY	AS-BUILT QTY.
A1	2010-E	EXCAVATION, CLASS 10 WASTE	CY	49	
A2	2010-G	SUBGRADE PREPARATION	SY	496	
A3	2010-J	SUBBASE, MODIFIED, 6 INCHES	SY	496	
A4	7010-E	CURB AND GUTTER, 2 INCH STANDARD CURB, 30 INCH WIDTH, 6 INCH THICKNESS	LF	107	
A5	7010-E	CURB AND GUTTER, 4 INCH SLOPED CURB, 30 INCH WIDTH, 6 INCH THICKNESS	LF	130	
A6	7020-B	PAVEMENT, ASPHALT, ST, 5 INCH	SY	432	
A7	7040-H	PAVEMENT REMOVAL	SY	465	
A8	9040-F-1	WATTLE, STRAW, 12 INCH	LF	215	
A9	9040-F-2	WATTLE, REMOVAL	LF	215	

8	7010-E	CURB AND GUTTER, 2 INCH STANDARD CURB, 30 INCH WIDTH, 6 INCH THICKNESS A. THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO CONSTRUCT 2.5' PCC CURB AND GUTTER REGARDLESS OF LOCATION AND METHOD OF PLACEMENT. B. CONCRETE WILL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SLAG IS NOT ALLOWED. C. ANY VOIDS IN THE BACK OF CURB SHALL BE FILLED WITH GROUT PRIOR TO BACKFILLING THE CURBS
9	7020-B	PAVEMENT, ASPHALT, ST, 5 INCH A. BID ITEM INCLUDES ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY FOR INSTALLATION OF 3 INCHES OF HMA BASE LAYER (HMA ST BASE, 3/4" MIX, PG58-28H) AND INSTALLATION OF 2 INCHES OF HMA SURFACE LAYER (HMA ST SURFACE, 1/2" MIX, PG58-28H) REFER TO D SHEETS FOR LIMITS AND B SHEETS FOR TYPICAL SECTIONS. B. ASPHALT BINDER SHALL BE INCIDENTAL TO THIS ITEM. PAVEMENT SMOOTHNESS SHALL APPLY TO THIS BID ITEM. C. CONTRACTOR SHALL VERIFY AND MAINTAIN POSITIVE DRAINAGE OF ALL AREAS.
10	7040-H	PAVEMENT REMOVAL A. ALL REMOVALS TO BE MARKED AND MEASURED BY THE ENGINEER. FULL DEPTH SAW CUTS ALONG THE REMOVAL LIMITS ARE INCIDENTAL TO THIS ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL REMOVAL, EARTHWORK, SUBGRADE PREPARATION, MODIFIED SUBBASE AND PAVING EXPENSES DUE TO DAMAGED EDGES. ADDITIONAL REMOVAL TO BE DETERMINED BY ENGINEER. PAYMENT SHALL BE MADE FOR THE AREA OF PAVEMENT REMOVED, REGARDLESS OF THICKNESS OR MATERIAL. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL MATERIALS AT AN OFF-SITE WASTE AREA. B. THIS ITEM SHALL INCLUDE REMOVAL OF ALL ROCK AND PAVEMENT NEEDED FOR PAVEMENT INSTALLATION PER DETAILS ON SHEET B.01
11	9040-F-1	WATTLE, STRAW, 12 INCH A. ITEM INCLUDES INSTALLATION AND MAINTENANCE OF WATTERLS. B. PAYMENT QUANTITY SHALL BE LIMITED TO THE EXTENTS SHOWN ON THE D.01 SHEET. IF CONTRACTOR DETERMINES THAT ADDITIONAL QUANTITY IS REQUIRED TO PROPERLY PROTECT THE SITE AS REQUIRED BY THE NPDES GENERAL PERMIT NO. 2, THEY MUST NOTIFY THE ENGINEER AND HAVE APPROVAL PRIOR TO THE INSTALLATION. C. ANY QUANTITY ABOVE PLAN QUANTITY INSTALLED PRIOR TO ENGINEER APPROVAL MAY NOT BE PAID.
12	9040-F-2	WATTLE, REMOVAL A. ITEM INCLUDES REMOVAL OF WATTERLS. B. PAYMENT QUANTITY SHALL BE LIMITED TO THE EXTENTS SHOWN ON THE D.01 SHEET. IF CONTRACTOR DETERMINES THAT ADDITIONAL QUANTITY IS REQUIRED TO PROPERLY PROTECT THE SITE AS REQUIRED BY THE NPDES GENERAL PERMIT NO. 2, THEY MUST NOTIFY THE ENGINEER AND HAVE APPROVAL PRIOR TO THE INSTALLATION. C. ANY QUANTITY ABOVE PLAN QUANTITY INSTALLED PRIOR TO ENGINEER APPROVAL MAY NOT BE PAID.
13	9040-J	RIP RAP, EROSION STONE A. REFER TO Q.01 SHEET FOR LOCATION. THIS ITEM INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT TO FURNISH AND INSTALL RIP RAP. INSTALLATION OF ENGINEERING FABRIC UNDER RIP RAP SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
14	9060-E	REMOVAL OF FENCE A. REFER TO Q.01 SHEET FOR LOCATION. B. THIS ITEM TO BE PAID PER LINEAR FOOT. ACTUAL QUANTITY TO BE MEASURED IN THE FIELD.
15	11010-A	CONSTRUCTION SURVEY A. THIS ITEM IS FOR ALL SURVEY WORK NECESSARY FOR CONSTRUCTION OF THIS PROJECT AS DETAILED ON THE CONSTRUCTION DOCUMENTS AND APPROVED REVISIONS. ELECTRONIC DRAWINGS ARE AVAILABLE FOR THE CONTRACTORS USE.
16	11020-A	MOBILIZATION A. THIS ITEM IS FOR ALL PREPATORY 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 CONTRACT PRICE WILL BE MADE FOR ANY ADDITIONAL WORK ADDED TO THE CONTRACT.









© Bolton & Menk, Inc. 2026. All Rights Reserved  
HAWAIIY CI IA(General) 2025/202506 Leisure Services Parking | onCAD(C3D)345678001 due 1/7/2026 10:12:45 AM

A scale bar with the word 'HORZ.' above it and 'SCALE FEET' below it. The bar has tick marks at 0, 10, and 20, with intermediate smaller tick marks. The segments between the major tick marks are divided into four equal parts, with the first and third parts being black and the second and fourth being white.



401 FIRST ST SE, SUITE 201  
CEDAR RAPIDS, IOWA 52401  
Phone: (319) 362-3219  
Email: [CedarRapids@bolton-menk.com](mailto:CedarRapids@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

 401 FIRST ST SE, SUITE 201 CEDAR RAPIDS, IOWA 52401 Phone: (319) 362-3219 Email: CedarRapids@bolton-menk.com www.bolton-menk.com	DESIGNED	REV	DESCRIPTION	DATE
	PJR			
	DRAWN	PJR		
	CHECKED	DEM		
CLIENT PROJ. NO.	202506			

**CITY OF WAVERLY, IOWA**  
**2026 LEISURE SERVICES PARKING LOT**  
**GRADING PLAN**

SHEET  
D.03

