

# CITY OF GRAND MOUND

# 700 BLOCK FULTON STREET CURB

GRAND MOUND, IA

CONSTRUCTION PLANS

ISG PROJECT # 22-27432.B



## LEGEND

EXISTING	
	CITY LIMITS
	SECTION LINE
	QUARTER SECTION LINE
	RIGHT OF WAY LINE
	PROPERTY / LOTLINE
	EASEMENT LINE
	ACCESS CONTROL
	WATER EDGE
	WETLAND BOUNDARY
	WETLAND / MARSH
	FENCE LINE
	CULVERT
	STORM SEWER
	SANITARY SEWER
	SANITARY SEWER FORCEMAIN
	WATER
	GAS
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	UNDERGROUND TV
	OVERHEAD UTILITY
	UNDERGROUND UTILITY
	UNDERGROUND FIBER OPTIC
	CONTOUR (MAJOR)
	CONTOUR (MINOR)
	DECIDUOUS TREE
	CONIFEROUS TREE
	TREE LINE
	MANHOLE/STRUCTURE
	CATCH BASIN
	HYDRANT
	VALVE
	CURB STOP
	POWER POLE
	UTILITY PEDESTAL / CABINET
PROPOSED	
	LOT LINE
	RIGHT OF WAY
	EASEMENT
	CULVERT
	STORM SEWER
	STORM SEWER (PIPE WIDTH)
	SANITARY SEWER
	SANITARY SEWER (PIPE WIDTH)
	WATER
	GAS
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TV
	CONTOUR
	MANHOLE (STORM, SANITARY)
	CATCH BASIN
	HYDRANT
	VALVE



LOCATION MAP

## SHEET INDEX

1	TITLE
2	ESTIMATE REFERENCE & DETAILS
3	FULTON STREET PLAN
4	FULTON STREET PLAN

SEAL	I hereby certify that this engineering document was prepared by me or under direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
	 (signature) 10/05/2023 (date)
	Printed or typed name LONDON C CLEARY
	License number P27109
	My license renewal date is December 31, 2024
	Pages or sheets covered by this seal: 1-4

## PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL, (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS, AND CLARIFICATIONS ISSUED BY ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED, AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "IOWA ONE CALL" FOR UTILITY LOCATIONS A MINIMUM OF 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-292-8989).

## ABBREVIATIONS:

AC	ACRE	CMP	CORRUGATED METAL PIPE	FDC	FIRE DEPARTMENT CONNECTION	HH	HANDHOLE	LSO	LOWEST STRUCTURAL OPENING	PP	POLYPROPYLENE	STA	STATION
ADA	AMERICANS WITH DISABILITIES ACT	CO	CLEANOUT	FDN	FOUNDATION	HORIZ	HORIZONTAL	MAX	MAXIMUM	PSI	POUNDS PER SQUARE INCH	SY	SQUARE YARD
ADD	ADDENDUM	CONC	CONCRETE	FES	FLARED END SECTION	HR	HOUR	MB	MAIL BOX	PVC	POLYVINYL CHLORIDE	T/C	TOP OF CURB
AFF	ABOVE FINISHED FLOOR	CONST	CONSTRUCTION	FFE	FINISHED FLOOR ELEVATION	HWL	HIGH WATER LEVEL	MECH	MECHANICAL	PVMT	PAVEMENT	TEL	TELEPHONE
AGG	AGGREGATE	CONT	CONTINUOUS	FSM	FEET PER MINUTE	HWY	HIGHWAY	MH	MANHOLE	QTY	QUANTITY	TEMP	TEMPORARY
APPROX	APPROXIMATE	CY	CUBIC YARD	FPS	FEET PER SECOND	HYD	HYDRANT	MIN	MINIMUM	R	RIM	THRU	THROUGH
ARCH	ARCHITECT, ARCHITECTURAL	C&G	CURB AND GUTTER	FT	FOOT, FEET	I	INVERT	MISC	MISCELLANEOUS	RAD	RADIUS	TNTH	TOP NUT OF FIRE HYDRANT
BFE	BASEMENT FLOOR ELEVATION	DEMO	DEMOLITION	FTG	FOOTING	ID	INSIDE DIAMETER	NO	NUMBER	RCP	REINFORCED CONCRETE PIPE	TRANS	TRANSFORMER
BIT	BITUMINOUS	DIA	DIAMETER	GA	GALVE	IN	INCH	NTS	NOT TO SCALE	RD	ROOF DRAIN	TV	TELEVISION
CAD	COMPUTER-AIDED DESIGN	DIM	DIMENSION	GAL	GALLON	INV	INVERT	NWL	NORMAL WATER LEVEL	REBAR	REINFORCING BAR	T/W	TOP OF WALL
CB	CATCH BASIN	DS	DOWNSPOUT	GALV	GALVANIZED	IP	IRON PIPE	OC	ON CENTER	REM	REMOVE	TYP	TYPICAL
CFS	CUBIC FEET PER SECOND	EA	EACH	GC	GENERAL CONTRACTOR	IPS	IRON PIPE SIZE	OCEW	ON CENTER EACH WAY	ROW	RIGHT OF WAY	UT	UTILITY, UNDERGROUND
CF	CUBIC FOOT	ELEC	ELECTRICAL	GFE	GARAGE FLOOR ELEVATION	J-BOX	JUNCTION BOX	OH	OVERHEAD	R/W	RIGHT OF WAY	VCP	VITRIFIED CLAY PIPE
CI	CAST IRON	ELEV	ELEVATION	GL	GUTTER LINE	JT	JOINT	OHD	OVERHEAD DOOR	SAN	SANITARY	W/O	WITHOUT
CIP	CAST IRON PIPE	EOF	EMERGENCY OVERFLOW	GPM	GALLONS PER MINUTE	LF	LINEAR FEET	OZ	OUNCE	SCH	SCHEDULE	W/	WITH
CPC	CAST IN PLACE CONCRETE	EQ	EQUAL	GV	GATE VALVE	LIN	LINEAR	PED	PEDESTAL, PEDESTRIAN	SF	SQUARE FOOT	YD	YARD
CL	CONTROL JOINT	EX	EXISTING	HDPE	HIGH DENSITY POLYETHYLENE	LPS	LOW PRESSURE STEAM	PERF	PERFORATED	SPEC	SPECIFICATION	YR	YEAR
CJ	CENTERLINE	F/G	FORM GRADE	HD	HEAVY DUTY	LS	LUMP SUM	PL	PROPERTY LINE	SQ	SQUARE		

## PROJECT INDEX:

### OWNER:

CITY OF GRAND MOUND  
615 SUNNYSIDE STREET  
GRAND MOUND, IA 52751  
PH: 563.847.2190

### PROJECT

### ADDRESS / LOCATION:

700 BLOCK  
FULTON STREET  
GRAND MOUND, IOWA

### MANAGING OFFICE:

DES MOINES OFFICE  
217 EAST 2nd STREET  
SUITE 110  
DES MOINES, IA 50309  
PHONE: 515.243.9143

PROJECT MANAGER: LENNY LARSON  
EMAIL: LENNY.LARSON@ISGINC.COM

### SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF GRAND MOUND REQUIREMENTS, THE 2015 EDITION OF THE IOWA DEPARTMENT OF TRANSPORTATION'S (IOWA DOT) STANDARD SPECIFICATION FOR HIGHWAY AND BRIDGE CONSTRUCTION, AND THE 2023 EDITION OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) FOR PUBLIC IMPROVEMENTS, UNLESS DIRECTED OTHERWISE.

### PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), ZONE 11, ON THE IOWA REGIONAL COORDINATE SYSTEM, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

### TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN MAY 2023 BY ISG INC.



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PROJECT  
**CITY OF GRAND MOUND**  
**700 BLOCK FULTON STREET CURB**

GRAND MOUND IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-27432.B
FILE NAME	27432 TITLE SHEET
DRAWN BY	LCC
DESIGNED BY	LCC
REVIEWED BY	LCC/MLA/NRF
ORIGINAL ISSUE DATE	10/05/2023
CLIENT PROJECT NO.	-

TITLE  
**TITLE**

SHEET  
**1** OF 4



ITEM NUMBER	BID ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	AS-BUILT QUANTITY	ESTIMATE REFERENCE
1	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	30		NO ADDITIONAL PAYMENT FOR OVERHAUL.
2	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	4.25		TRIMMING AND RECOMPACTION OF SUBGRADE/SUBBASE PRIOR TO PAVING.
3	2303-1131500	HMA STANDARD TRAFFIC, BASE COURSE, 1/2 IN. MIX	TON	77.5		2" DEPTH. PG 58-28S BINDER IS INCIDENTAL TO THIS ITEM. BASIS OF PAYMENT BY CERTIFIED SCALE TICKET.
4	2303-1133500	HMA STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENTS	TON	78.7		2" DEPTH. PG 58-28S BINDER IS INCIDENTAL TO THIS ITEM. BASIS OF PAYMENT BY CERTIFIED SCALE TICKET.
5	2510-6745850	REMOVAL OF PAVEMENT	SY	830		ASSUMED HMA PAVEMENT DEPTH OF 4". REMOVED MATERIAL SHALL BECOME PROPERTY OF CONTRACTOR TO DISPOSE OF PROPERLY.
6	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	395		4" SLOPED CURB TYPICAL. REFER TO PLAN AND DETAIL FOR VARIANCES. ITEM INCLUDES AGGREGATE SUBBASE.
7	2512-1859000	CURB, SPECIAL, AS PER PLAN	LF	60		18" VALLEY GUTTER. REFER TO DETAIL. ITEM INCLUDES AGGREGATE SUBBASE.
8	2554-0212040	VALVE ADJUSTMENT	EA	4		
9	2526-828500	CONSTRUCTION SURVEY	LS	1		
10	2533-498005	MOBILIZATION	LS	1		



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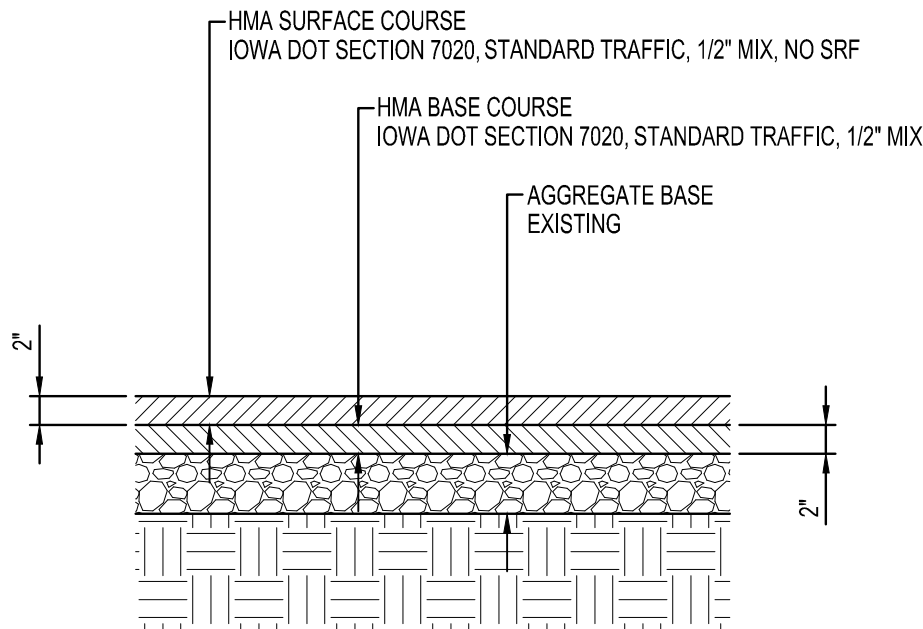
PROJECT  
**CITY OF GRAND MOUND**  
**700 BLOCK FULTON STREET CURB**

GRAND MOUND IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

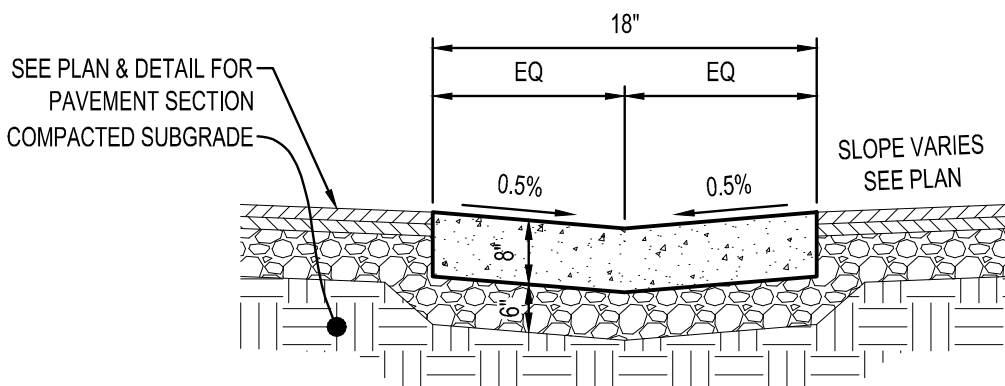
PROJECT NO.	22-27432.B
FILE NAME	27432 TITLE SHEET
DRAWN BY	LCC
DESIGNED BY	LCC
REVIEWED BY	LCC/MLA/NRF
ORIGINAL ISSUE DATE	11-1-22
CLIENT PROJECT NO.	-

TITLE  
**ESTIMATE REFERENCE & DETAILS**

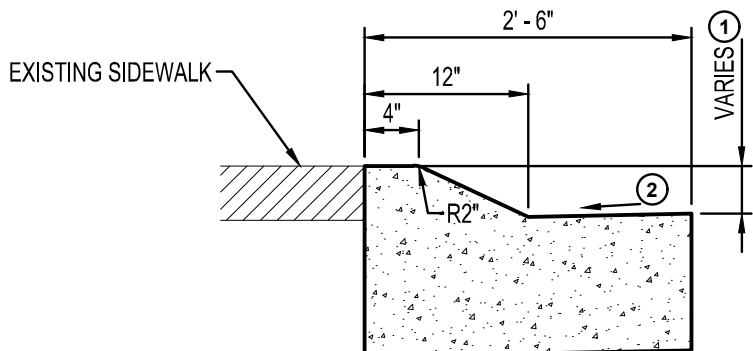


NOTES:  
PG 58-28S BINDER

STANDARD HMA PAVEMENT  
NTS

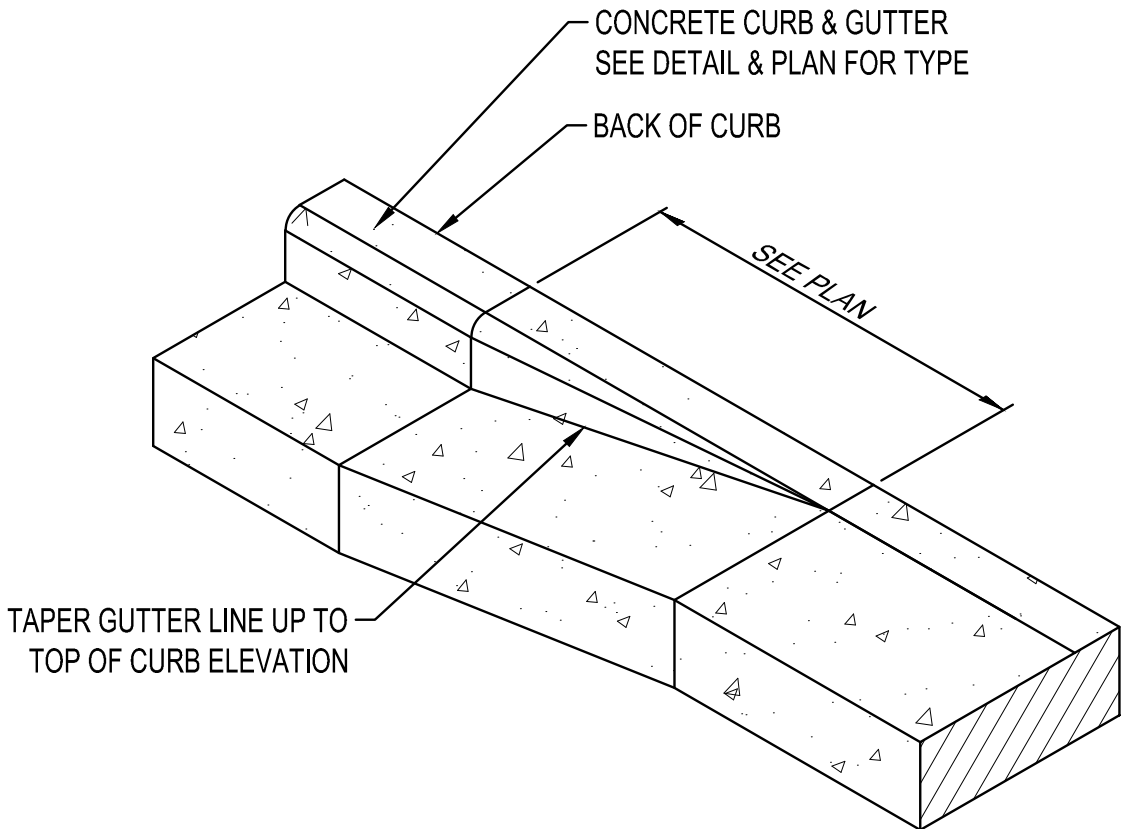


CONCRETE VALLEY GUTTER  
NTS



NOTES:  
① REFER TO PLANS FOR HEIGHT DIFFERENCE BETWEEN TOP OF CURB AND GUTTER LINE. TARGET HEIGHT IS 4".  
② TARGET SLOPE: 2%  
③ CURB AND GUTTER FOUNDATION SHALL CONSIST OF MINIMUM 6" THICK IA DOT GRADATION 12a AGGREGATE BASE.

CONCRETE CURB & GUTTER  
NTS



CURB TAPER (GUTTER LINE UP)  
NTS



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PROJECT  
**CITY OF GRAND  
MOUND  
700 BLOCK  
FULTON STREET  
CURB**

GRAND MOUND IOWA

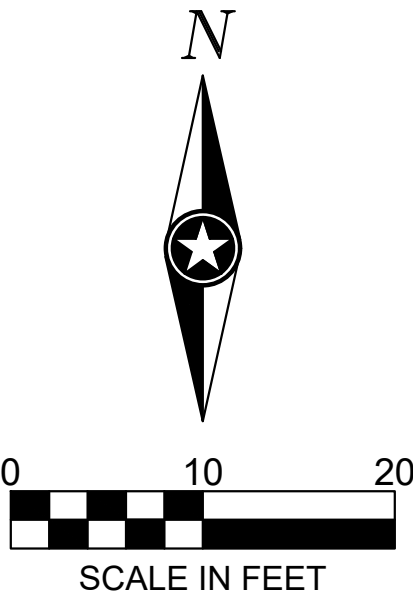
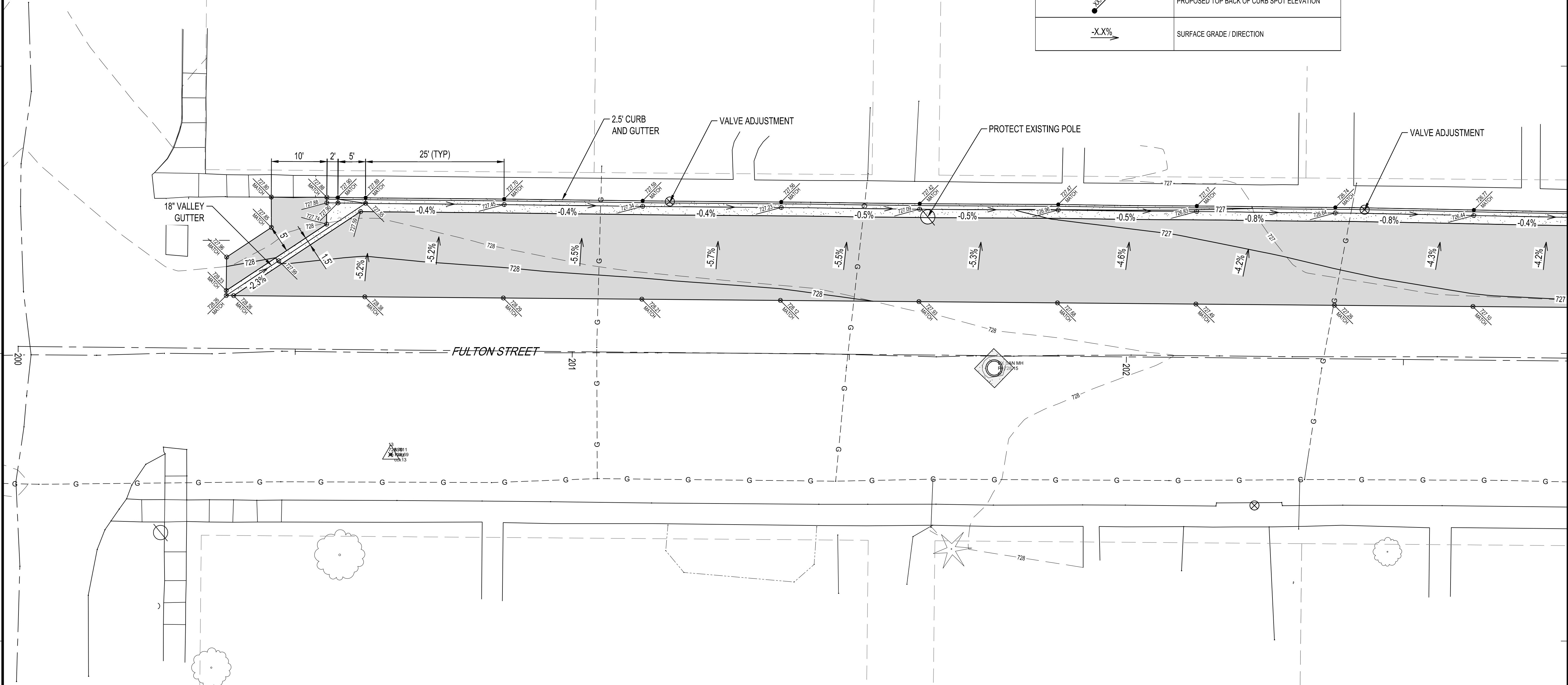
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-27432.B
FILE NAME	X-27020 PRO-SITE-C-FULTON
DRAWN BY	LCC
DESIGNED BY	LCC
REVIEWED BY	LCC/MLA/NRF
ORIGINAL ISSUE DATE	11-1-22
CLIENT PROJECT NO.	-

TITLE  
**FULTON STREET  
PLAN**

GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED GUTTERLINE/SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	REMOVE AND REPLACE HMA PAVEMENT
	CONCRETE CURB AND GUTTER
CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT AND SECTION REMOVAL.	





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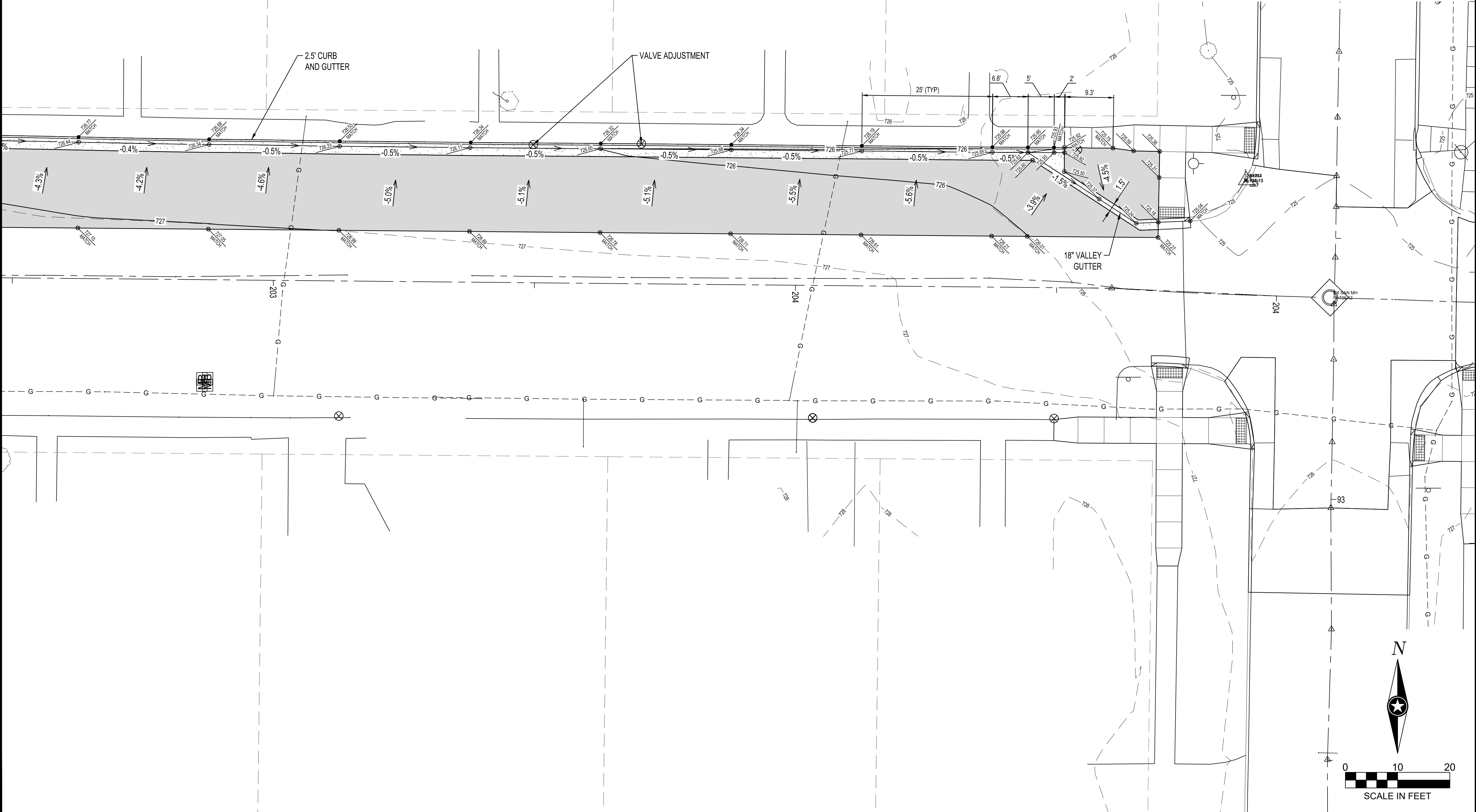
PROJECT  
**CITY OF GRAND  
MOUND  
700 BLOCK  
FULTON STREET  
CURB**

GRAND MOUND IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	22-27432.B
FILE NAME	X-27020 PRO-SITE-G-FULTON
DRAWN BY	LCC
DESIGNED BY	LCC
REVIEWED BY	LCC/MLA/NRF
ORIGINAL ISSUE DATE	11-1-22
CLIENT PROJECT NO.	-

TITLE  
**FULTON STREET  
PLAN**



GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED GUTTERLINE/SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

PAVEMENT LEGEND	
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	REMOVE AND REPLACE HMA PAVEMENT
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