

GOVERNING SPECIFICATIONS

THE 2026 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."

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

CONSTRUCTION PLANS FOR

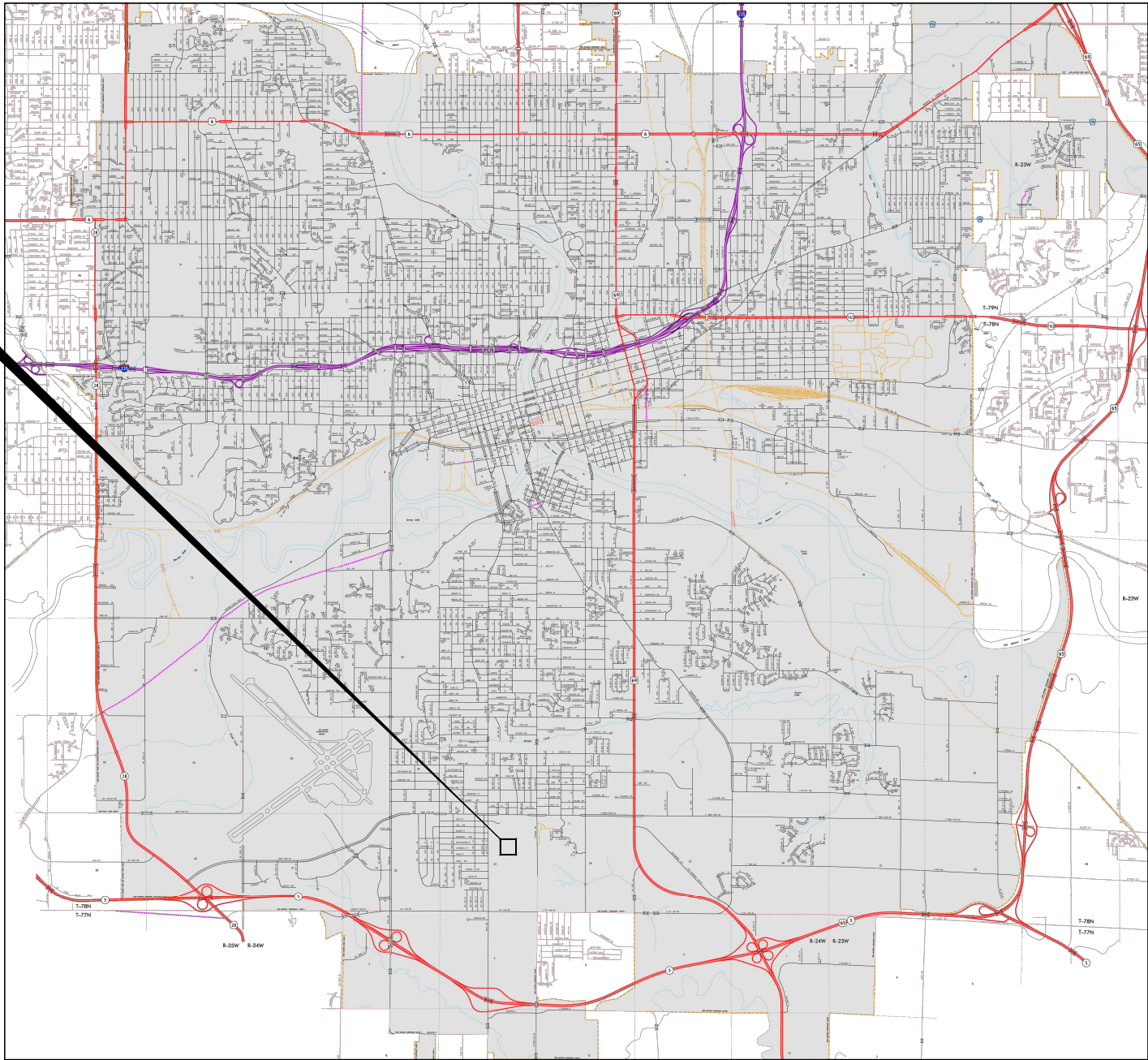
DOC 5TH DISTRICT FORT DES MOINES

PARKING LOT REPLACEMENT

DAS PROJECT #9528.00

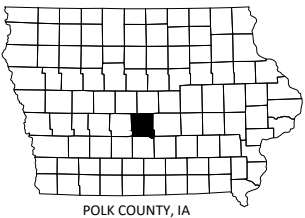
DES MOINES, IA

JULY, 2026



PROJECT LOCATION

68 THAYER STREET
DES MOINES, IOWA



MAP OF THE
CITY OF DES MOINES, IOWA
POLK COUNTY, IA

INDEX OF SHEETS			
SHEET NUMBER	SHEET TITLE	REVISION	ISSUE DATE
A.01	TITLE	0	07/24/2026
A.02	LEGEND	0	07/24/2026
B.01	TYPICAL DETAILS	0	07/24/2026
C.01	ESTIMATED QUANTITIES AND REFERENCE NOTES.	0	07/24/2026
D.01	PLAN LAYOUT	0	07/24/2026
D.02	DETAILED GRADING	0	07/24/2026
F.01	EXISTING CONDITIONS AND REMOVALS	0	07/24/2026
G.01	REFERENCE, BENCHMARKS, AND GEOTECHNICAL DATA	0	07/24/2026
J.01	PHASING PLAN	0	07/24/2026
R.01	EROSION CONTROL	0	07/24/2026
S0.1	RAMP REPLACEMENT	0	07/24/2026
S0.2	RAMP REPLACEMENT	0	07/24/2026

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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.

BRYAN J. BLAIR, P.E.
LICENSE NUMBER: P20847 DATE: 07/24/2026
MY LICENSE RENEWAL DATE IS 12/31/2027
PAGES OR SHEETS COVERED BY THIS SEAL:
SHEETS S0.1, S0.2

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.

FORREST A. MARTINSON
LIC. NO. P28860 DATE: 07/24/2026
MY LICENSE RENEWAL DATE IS 12/31/2027
PAGES OR SHEETS COVERED BY THIS SEAL:
SHEETS A.01 - R.01

THIS SHEET SET IS INTENDED TO BE PLOTTED IN COLOR

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DESIGNED	FAM	REV	DESCRIPTION	DATE
DRAWN	PL	0	ISSUED FOR BID	07/24/2026
CHECKED	FAM			
CLIENT PROJ. NO.	9528.00			

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES		SHEET A.01
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT		
TITLE		

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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
	CULVERT END		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		

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

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)

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 GOPHER STATE ONE CALL, 1-800-252-1166 OR 651-454-0002.

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".

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

UTILITIES IDENTIFIED WITH A QUALITY LEVEL :

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
EXAMPLE: 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:

QUALITY LEVEL D: PROVIDES THE MOST BASIC LEVEL OF INFORMATION. IT INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS. RECORDS MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICES MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASES, CONSTRUCTION PLANS, ETC.

QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.

QUALITY LEVEL B: INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND COLLECTING THE INFORMATION THROUGH A SURVEY METHOD. INCLUDES QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL A: PROVIDES THE HIGHEST LEVEL OF ACCURACY. IT INVOLVES LOCATING OR POTHOLING UTILITIES AS WELL AS ACTIVITIES IN QUALITY LEVELS B, C, AND D. THE LOCATED FACILITY INFORMATION IS SURVEYED AND MAPPED AND THE DATA PROVIDES PRECISE PLAN AND PROFILE INFORMATION.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GRAV	GRAVEL	RSC	RIGID STEEL CONDUIT
ADJ	ADJUST	GU	GUTTER	RT	RIGHT
ALT	ALTERNATE	GV	GATE VALVE	SAN	SANITARY SEWER
B-B	BACK TO BACK	HDPE	HIGH DENSITY POLYETHYLENE	SCH	SCHEDULE
BIT	BITUMINOUS	HH	HANDHOLE	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	MAX	MAXIMUM	TYP	TYPICAL
CLVT	CULVERT	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
CON	CONCRETE	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
CSP	CORRUGATED STEEL PIPE	NTS	NOT TO SCALE	WM	WATERMAIN
DIA	DIAMETER	NWL	NORMAL WATER LEVEL		
DIP	DUCTILE IRON PIPE	OHW	ORDINARY HIGH WATER LEVEL		
DWY	DRIVEWAY	PC	POINT OF CURVE	AC	ACRES
E	EXTERNAL CURVE DISTANCE	PCC	POINT OF COMPOUND CURVE	CF	CUBIC FEET
ELEC	ELECTRIC	PE	PERMANENT EASEMENT	CV	COMPACTED VOLUME
ELEV	ELEVATION	PED	PEDESTRIAN, PEDESTAL	CY	CUBIC YARD
EOF	EMERGENCY OVERFLOW	PERF	PERFORATED PIPE	EA	EACH
ER	END RADIUS	PERM	PERMANENT	EV	EXCAVATED VOLUME
ESMT	EASEMENT	PI	POINT OF INTERSECTION	LB	POUND
EX	EXISTING	PL	PROPERTY LINE	LF	LINEAR FEET
FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVE	LS	LUMP SUM
F-F	FACE TO FACE	PT	POINT OF TANGENT	LV	LOOSE VOLUME
FF	FINISHED FLOOR	PVC	POLYVINYL CHLORIDE PIPE	SF	SQUARE FEET
F&I	FURNISH AND INSTALL	PVMT	PAVEMENT	SV	STOCKPILE VOLUME
FM	FORCEMAIN	R	RADIUS	SY	SQUARE YARD
FO	FIBER OPTIC	R/W	RIGHT-OF-WAY		
F.O.	FIELD ORDER	RCP	REINFORCED CONCRETE PIPE		
GRAN	GRANULAR	RET	RETAINING		



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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

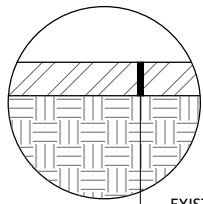
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

LEGEND

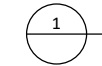
SHEET

A.02

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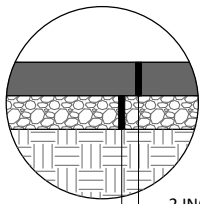


EXISTING PAVEMENT, 3" HMA, REFER TO GEOTECH REPORT AND G.01 FOR LOCATIONS



EXISTING PAVEMENT

NOT TO SCALE



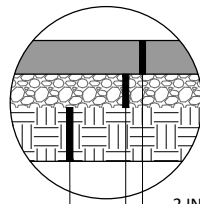
2 INCH LIFT, ST, SURFACE, 1/2 INCH, PG 58-28S
2 INCH LIFT, ST, BASE, 3/4 INCH, PG 58-28S

SUBBASE, 4 INCH



PAVEMENT, ASPHALT, 4 INCH (WALK WAYS)

NOT TO SCALE



2 INCH LIFT, ST, SURFACE, 1/2 INCH, PG 58-28S
2 INCH LIFT, ST, BASE, 3/4 INCH, PG 58-28S
2 INCH LIFT, ST, BASE, 3/4 INCH, PG 58-28S

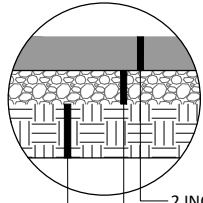
SUBBASE, 12 INCH

12 INCH SUBGRADE PREPARATION



PAVEMENT, ASPHALT, 6 INCH (DRIVE ISLES)

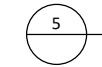
NOT TO SCALE



2 INCH LIFT, ST, SURFACE, 1/2 INCH, PG 58-28S
2 INCH LIFT, ST, BASE, 3/4 INCH, PG 58-28S

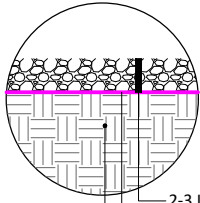
SUBBASE, 12 INCH

12 INCH SUBGRADE PREPARATION



PAVEMENT, ASPHALT, 4 INCH (PARKING STALLS)

NOT TO SCALE

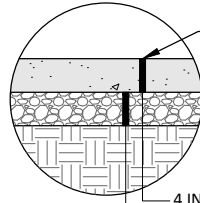


2-3 INCH RIVER ROCK, 4 INCH DEPTH
WEED-BARRIER FABRIC, WOVEN, 5 OZ/SY
COMPACTED SUBGRADE



ROCK MULCH

NOT TO SCALE



WATER REPELLANT SURFACE TREATMENT,
SALTGUARD BY PROSOCO, OR APPROVED EQUAL.

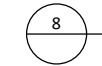
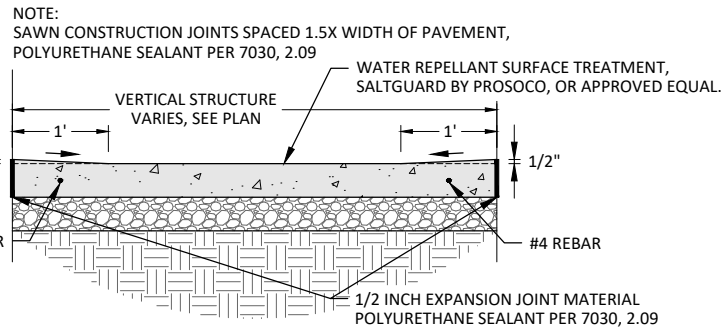
4 INCH PCC, C4-WR MIX

SUBBASE, 4 INCH



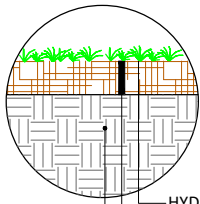
PAVEMENT, PCC, 4 INCH

NOT TO SCALE



1/2 INCH WASH, PCC PAVEMENT

NOT TO SCALE

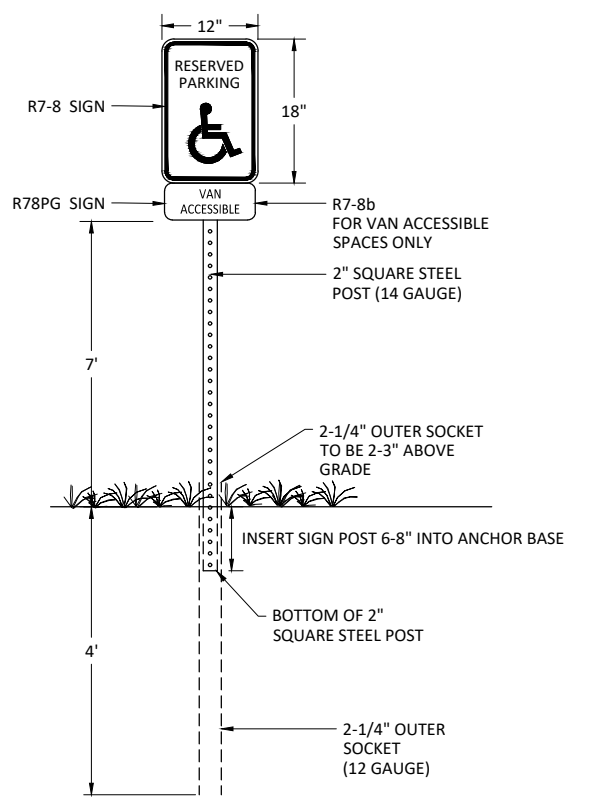


HYDRAULIC SEEDING, TYPE-1 PERMANENT LAWN
TOP SOIL, OFF-SITE, 6 INCH DEPTH
COMPACTED SUBGRADE



HYDRAULIC SEEDING, TYPE-1 PERMANENT LAWN

NOT TO SCALE



SIGN INSTALLATION

NOT TO SCALE



McGough



Department of
Administrative Services
Empowering People
Collaboration
Customer Service



BOLTON
& MENK



FEH DESIGN

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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

TYPICAL DETAILS

SHEET

B.01

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ESTIMATED PROJECT QUANTITIES - BASE BID					
ITEM NO.	ITEM CODE	ITEM	UNIT	QUANTITY	AS-BUILT QTY.
1	2010-D-3	TOPSOIL, OFF-SITE	CY	22	
2	2010-E	EXCAVATION, CLASS 10	CY	330	
3	2010-G	SUBGRADE PREPARATION	SY	790	
4	2010-J	SUBBASE, 12 INCHES	SY	790	
5	2010-J	SUBBASE, 4 INCHES	SY	16	
6	4010-999-A	SANITARY SEWER CLEANOUT ADJUSTMENT, MINOR	EA	1	
7	6010-E	MANHOLE ADJUSTMENT, SANITARY, MINOR	EA	1	
8	7010-A	PAVEMENT, PCC, 4 INCH, C4-WR-C20	SY	30	
9	7020-A	PAVEMENT, ASPHALT, ST, BASE, 3/4 INCH, PG 58-28S	TON	121	
10	7020-A	PAVEMENT, ASPHALT, ST, SURFACE, 1/2 INCH, PG 58-28S	TON	92	
11	7030-999-A	REMOVE AND REPLACE FRONT ENTRANCE RAMP	LS	1	
12	7040-H	PAVEMENT REMOVAL	SY	890	
13	8020-B	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	7	
14	8020-G	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT	EA	3	
15	8040-A	TRAFFIC SIGNS, ADA	EA	1	
16	8040-D	PERFORATED SQUARE STEEL TUBE POSTS	LF	10	
17	8040-G	PERFORATED SQUARE STEEL TUBE POSTS ANCHORS, BREAKAWAY, 2 INCH	EA	1	
18	8040-I	REMOVE SIGNS	EA	2	
19	9010-B	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 1 - PERMANENT LAWN	AC	0.1	
20	9030-999-A	ROCK MULCH, RIVER ROCK, 4 INCH DEPTH	TON	15	
21	9030-999-B	WEED-BARRIER FABRIC, WOVEN, 5 OZ/SY	SY	47	
22	9040-F-1	WATTLE, COMPOST/MULCH SOCK	LF	300	
23	9040-F-2	WATTLE, REMOVAL	LF	300	
24	11010-A	CONSTRUCTION SURVEY	LS	1	
25	11020-A	MOBILIZATION	LS	1	

9	7020-A	PAVEMENT, ASPHALT, ST, BASE, 3/4 INCH, PG 58-28S
10	7020-A	PAVEMENT, ASPHALT, ST, SURFACE, 1/2 INCH, PG 58-28S
11	7030-999-A	REMOVE AND REPLACE FRONT ENTRANCE RAMP REFER TO STRUCTURAL SHEETS FOR DETAILS AND SPECIFICATIONS. ALL VERTICAL AND HORIZONTAL CONCRETE SURFACES SHALL HAVE WATER REPELLANT SURFACE TREATMENT, SALTGUARD BY PROSOCO, OR APPROVED EQUAL.
12	7040-H	PAVEMENT REMOVAL CONTRACTOR SHALL PROTECT EXISTING PAVEMENT TO REMAIN. CONTRACTOR SHALL REPLACE PAVEMENT DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST. THIS BID ITEM IS FOR REMOVAL OF PARKING LOT PAVEMENT AND SIDEWALK. REFER TO GEOTECHNICAL REPORT FOR AVERAGE THICKNESS OF EXISTING PAVEMENT.
13	8020-B	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE CONTRACTOR SHALL CLEAN AND PREPARE PAVEMENT SURFACE PRIOR TO APPLYING PAVEMENT MARKINGS. REFLECTORIZING GLASS SPHERES SHALL BE INSTALLED WITH ALL PAVEMENT MARKINGS.
14	8020-G	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT SEE ITEM #13
15	8040-A	TRAFFIC SIGNS, ADA SEE DETAIL 4/B.01. THIS ITEM SHALL BE FOR SIGN R7-8 AND PLAQUE R78PG.
16	8040-D	PERFORATED SQUARE STEEL TUBE POSTS SEE DETAIL 4/B.01
17	8040-G	PERFORATED SQUARE STEEL TUBE POSTS ANCHORS, BREAKAWAY, 2 INCH SEE DETAIL 4/B.01
18	8040-I	REMOVE SIGNS
19	9010-B	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 1 - PERMANENT LAWN SEED ALL AREAS DISTURBED BY CONSTRUCTION AS INDICATED ON PLANS. THE COST FOR WATERING UNTIL SEED ESTABLISHMENT IS ACCEPTED SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. ROCK PICKING, FINISH GRADING, SEED BED PREP AND RESEEDING ARE CONSIDERED INCIDENTAL TO THIS ITEM. SEED AND FERTILIZER SHALL BE APPLIED PRIOR TO MULCHING. THE CONTRACTOR IS RESPONSIBLE FOR MOWING AND MAINTAINING SEEDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER. SEEDING OF AREAS DISTURBED OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. THE SEEDING RATE SHALL BE AT LEAST 260 LBS/ACRE. APPLY A 6-24-24, NITROGEN, PHOSPHATE, POTASH, COMMERCIAL FERTILIZER OR EQUIVALENT AT THE RATE OF 300 LBS PER ACRE. APPLY MULCHING PER MANUFACTURERS RECOMMENDATIONS. SEEDING AREAS ASSUMED FOR TWO APPLICATIONS OVER THE AREAS DISTURBED.
20	9030-999-A	ROCK MULCH, RIVER ROCK, 4 INCH DEPTH CONTRACTOR SHALL SORCE ROCK MULCH THAT IS OF SIMILAR SIZE (2-3 INCH) AND COLOR TO MATCH THE EXISTING ON SITE. WHERE SUBGRADE IS EXPOSED FROM CONSTRUCTION ACTIVITIES, WEED-BARRIER FABRIC SHALL BE INSTALLED PRIOR TO INSTALLING ROCK MULCH. SEE DETAIL 5/B.01 FOR TYPICAL SECTION. THIS ITEM SHALL ALSO BE USED TO TOP DRESS EXISTING ROCK MULCH AS DIRECTED BY CONSTRUCTION MANAGER.
21	9030-999-B	WEED-BARRIER FABRIC, WOVEN, 5 OZ/SY THIS ITEM SHALL BE USE UNDER ALL FULL DEPTH INSTALLATION OF ROCK MULCH.
22	9040-F-1	WATTLE, COMPOST/MULCH SOCK
23	9040-F-2	WATTLE, REMOVAL
24	11010-A	CONSTRUCTION SURVEY CONTRACTOR TO PROVIDE CONSTRUCTION STAKING AS NECESSARY FOR CONSTRUCTION. MONUMENTS WITHIN CONSTRUCTION LIMITS TO BE PROTECTED AND RESETTING OF DISTURBED MONUMENTS SHALL BE INCIDENTAL TO THIS ITEM. CONTROL POINTS AND ALIGNMENT DATA ARE SHOWN ON G.01. BOLTON & MENK TO PROVIDE THE FOLLOWING SUPPLEMENTAL DIGITAL DESIGN FILES: - ALIGNMENT AND PROPOSED SURFACE DATA AS .XML - CONTROL POINTS AS .CSV - PROPOSED BASE LINE WORK AS .DWG
25	11020-A	MOBILIZATION CONTRACTOR SHALL PROVIDE TEMPORARY PLYWOOD/LAMINATED SIGNAGE TO MAINTAIN PACKAGE DELIVERY ON SITE. MAINTENANCE OF ACCESS TO THE LOWER PARKING LOT AT ALL TIMES THROUGH CONSTRUCTION SHALL BE INCIDENTAL TO THIS ITEM.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1	2010-D-3	TOPSOIL, OFF-SITE
2	2010-E	EXCAVATION, CLASS 10 THIS ITEM SHALL INCLUDE THE REMOVAL OF EXISTING SOIL, HAULING, DISPOSAL/EXPORT AND RE-GRADING AS NEEDED 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, OFF-SITE. RAW CUT = 330 CY, RAW FILL = 0 CY, ADJUSTED FILL (1.35 FACTOR) = 0 CY NET EARTHWORK = 330 CY CUT 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	SUBGRADE PREPARATION SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED, GRADED, AND COMPACTED. PRIOR TO SUBBASE PLACEMENT, SUBGRADE SHALL BE PROOF ROLLED. CONTRACTOR SHALL POTHOLE ALL UTILITIES PRIOR TO SUBGRADE PREPARATION. COORDINATE WITH ENGINEER FOR ANY UTILITIES IN CONFLICT
4	2010-J	SUBBASE, 12 INCHES THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, COMPACTION OF SUBGRADE, FURNISHING, PLACING, COMPACTING, AND TRIMMING TO THE PROPER GRADE. SUBBASE SHALL MEET IOWA DOT STANDARD GRADATION 12A, 12B, OR 14.
5	2010-J	SUBBASE, 4 INCHES SEE ITEM #4
6	4010-999-A	SANITARY SEWER CLEANOUT ADJUSTMENT, MINOR CONTRACTOR SHALL PROVIDE CLEANOUT CASTING WITH LID MARKED WITH "SANITARY" OR "SANITARY C.O."
7	6010-E	MANHOLE ADJUSTMENT, SANITARY, MINOR CONTRACTOR TO VERIFY EXISTING RISERS/ADJUSTMENT RINGS AND REPLACE DAMAGED AND BROKEN RINGS. NEW ADJUSTMENT RINGS LESS THAN 2 INCHES THICK SHALL BE HIGH DENSITY POLYETHYLENE OR EXPANDED POLYPROPYLENE. CONTRACTOR SHALL PROVIDE APPROPRIATE INFILTRATION BARRIER THAT IS COMPATIBLE WITH ADJUSTMENT RINGS.
8	7010-A	PAVEMENT, PCC, 4 INCH, C4-WR-C20 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. CONCRETE SHALL HAVE WATER REPELLANT SURFACE TREATMENT, SALTGUARD BY PROSOCO, OR APPROVED EQUAL.

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9528.00			

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

ESTIMATED QUATITIES AND REFERENCE NOTES.

SHEET

C.01

EXISTING	PROVIDED
15 + 3HC	18 + 1HC
NO COMPLIANT AISLES PROVIDED	HC AISLE ON PASSENGER SIDE
9' x 18'	9' x 18'
33' / 23.5' AISLE	29' / 24' AISLE

THIS SHEET SET IS INTENDED TO BE PLOTTED IN COLOR

BUTTNER ST.

BUILDING 66
THAYER ST.
DES MOINES, IOWA 50315

FF = 950.66
(100'-0" STRUCTURAL REFERENCE ELEVATION)

HC SIGN
DETAIL 4, B.01
VAN ACCESSIBLE

SEE STRUCTURAL SHEETS FOR RAMP DETAILS.
ALL VERTICAL AND HORIZONTAL CONCRETE
SURFACES SHALL HAVE WATER REPELLANT
SURFACE TREATMENT, SALTGUARD BY PROSOCO,
OR APPROVED EQUAL.

FUTURE UTILITY POLE LOCATION

EXISTING UTILITY POLE AND GUY WIRE
TO BE RELOCATED, BY OTHERS, BEFORE
CONSTRUCTION. LOCATION OF NEW
POLE COORDINATED WITH MIDAM TO
BE NORTH OF EXISTING LOCATION.
COORDINATE WITH
ENGINEER/CONSTRUCTION MANAGER
FOR FINAL PARKING STALL LAYOUT

SANITARY SEWER MANHOLE
ADJUSTMENT, MINOR
EX RIM = 947.07
FG RIM = 947.07

SANITARY SEWER CLEANOUT
ADJUSTMENT, MINOR
EX RIM = 946.95
FG RIM = 946.99

4 INCH YELLOW (TYP.),
PAINTED PAVEMENT MARKING

6 FOOT LONG ARROW, YELLOW,
PAINTED SYMBOL

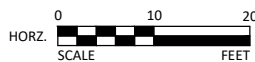
PRIOR TO EACH COURSE, LOOSE EXISTING PAVEMENT
SHALL BE REMOVED AND REPLACE WITH NEW PAVEMENT.
PRIOR TO FINAL COURSE OF HMA, CONTRACTOR TO MILL
EXISTING PAVEMENT FOR CLEAN MATCH JOINT.

LEGEND

	PAVEMENT, ASPHALT, 4 INCH
	PAVEMENT, ASPHALT, 6 INCH
	PAVEMENT, PCC, 4 INCH
	ROCK MULCH, RIVER ROCK, 4 INCH

NOTES:

- TACK COAT SHALL BE APPLIED TO ALL EXISTING PAVEMENT SURFACES TO BE OVERLAYED, AND ALL VERTICAL EDGES ADJACENT TO NEW HMA PAVEMENT.
- ALL JOINTS SHALL RECEIVE HOT-POUR SEALANT.



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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

PLAN LAYOUT

SHEET

D.01

THIS SHEET SET IS INTENDED TO BE PLOTTED IN COLOR

LEGEND

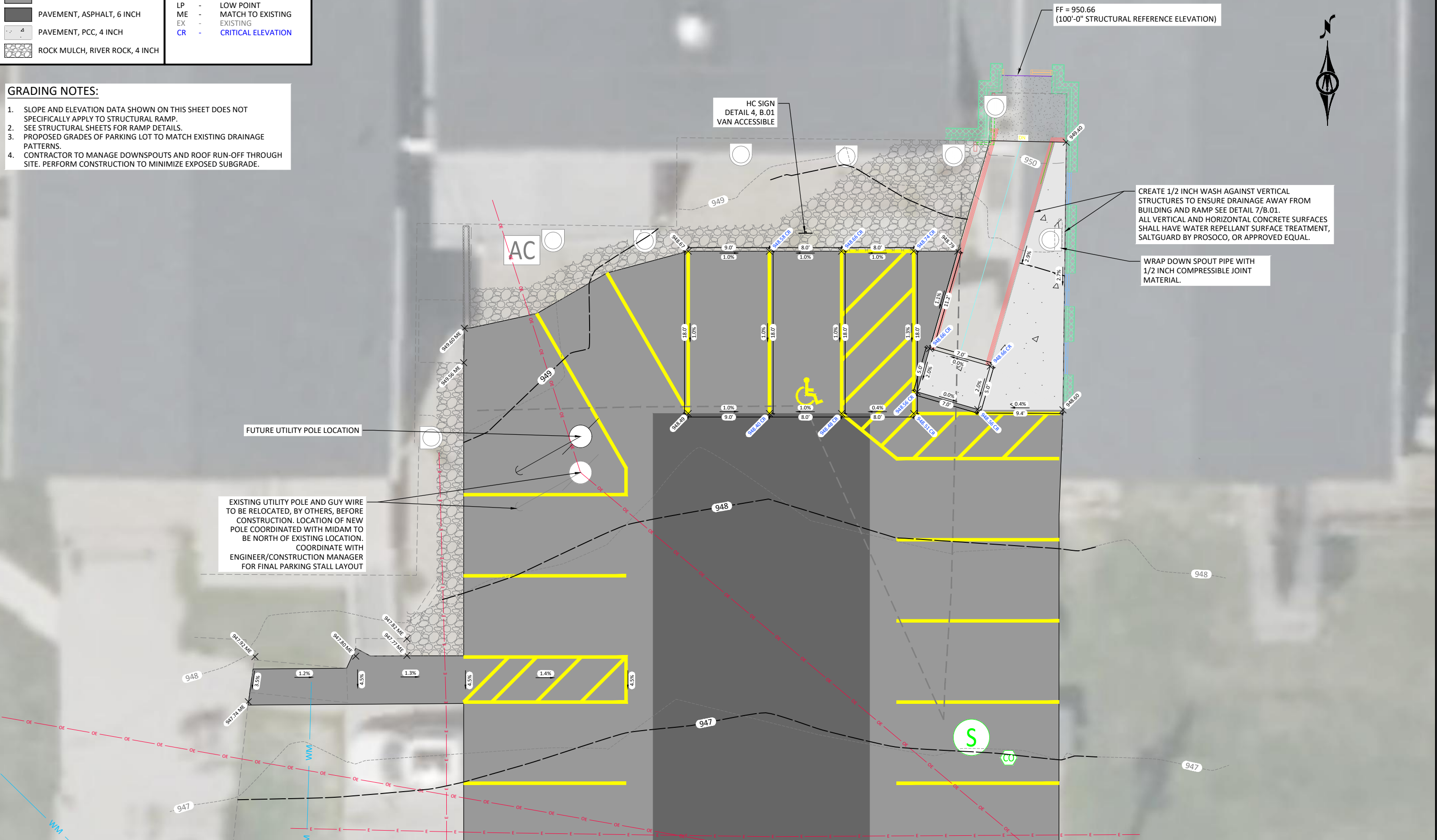
	PAVEMENT, ASPHALT, 4 INCH
	PAVEMENT, ASPHALT, 6 INCH
	PAVEMENT, PCC, 4 INCH
	ROCK MULCH, RIVER ROCK, 4 INCH

ABBREVIATIONS

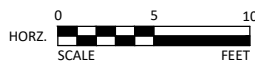
HP	-	HIGH POINT
LP	-	LOW POINT
ME	-	MATCH TO EXISTING
EX	-	EXISTING
CR	-	CRITICAL ELEVATION

GRADING NOTES:

1. SLOPE AND ELEVATION DATA SHOWN ON THIS SHEET DOES NOT SPECIFICALLY APPLY TO STRUCTURAL RAMP.
2. SEE STRUCTURAL SHEETS FOR RAMP DETAILS.
3. PROPOSED GRADES OF PARKING LOT TO MATCH EXISTING DRAINAGE PATTERNS.
4. CONTRACTOR TO MANAGE DOWNSPOUTS AND ROOF RUN-OFF THROUGH SITE. PERFORM CONSTRUCTION TO MINIMIZE EXPOSED SUBGRADE.



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DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

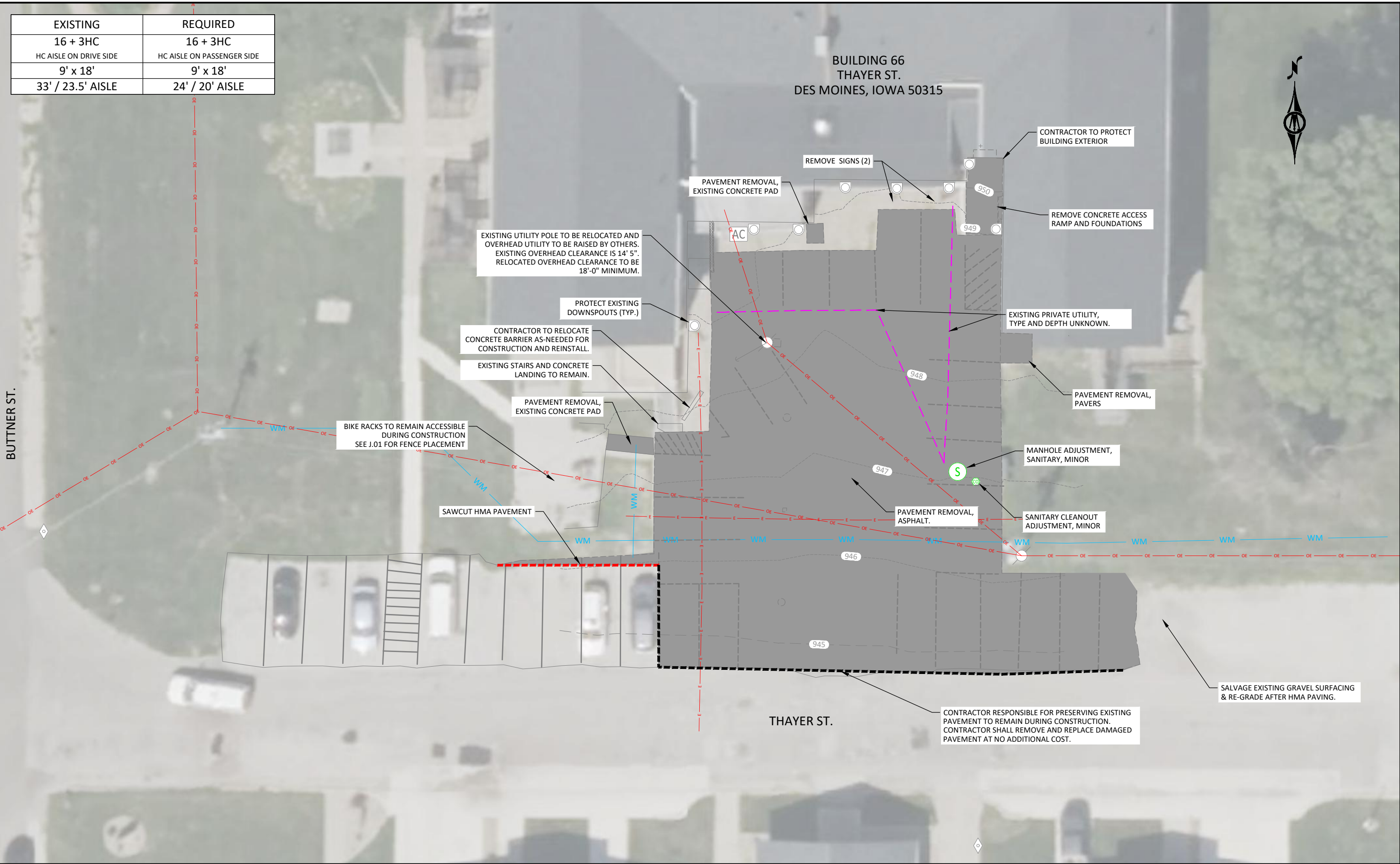
DETAILED GRADING

SHEET

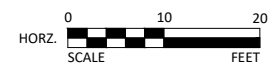
D.02

EXISTING	REQUIRED
16 + 3HC	16 + 3HC
HC AISLE ON DRIVE SIDE	HC AISLE ON PASSENGER SIDE
9' x 18'	9' x 18'
33' / 23.5' AISLE	24' / 20' AISLE

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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT
EXISTING CONDITIONS AND REMOVALS

SHEET
F.01

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CONTROL POINT DATA				
POINT NUMBER	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION
50	554462.39	1606662.17	944.125	VFCP / MAGNAIL
51	554390.89	1606874.80	944.799	VFCP / MAGNAIL
52	554463.36	1607039.59	946.379	VFCP / MAGNAIL

BUILDING 66
THAYER ST.
DES MOINES, IOWA 50315

SOIL BORING
B-1

SOIL BORING
B-2

THAYER ST.

BUTTNER ST.



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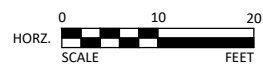
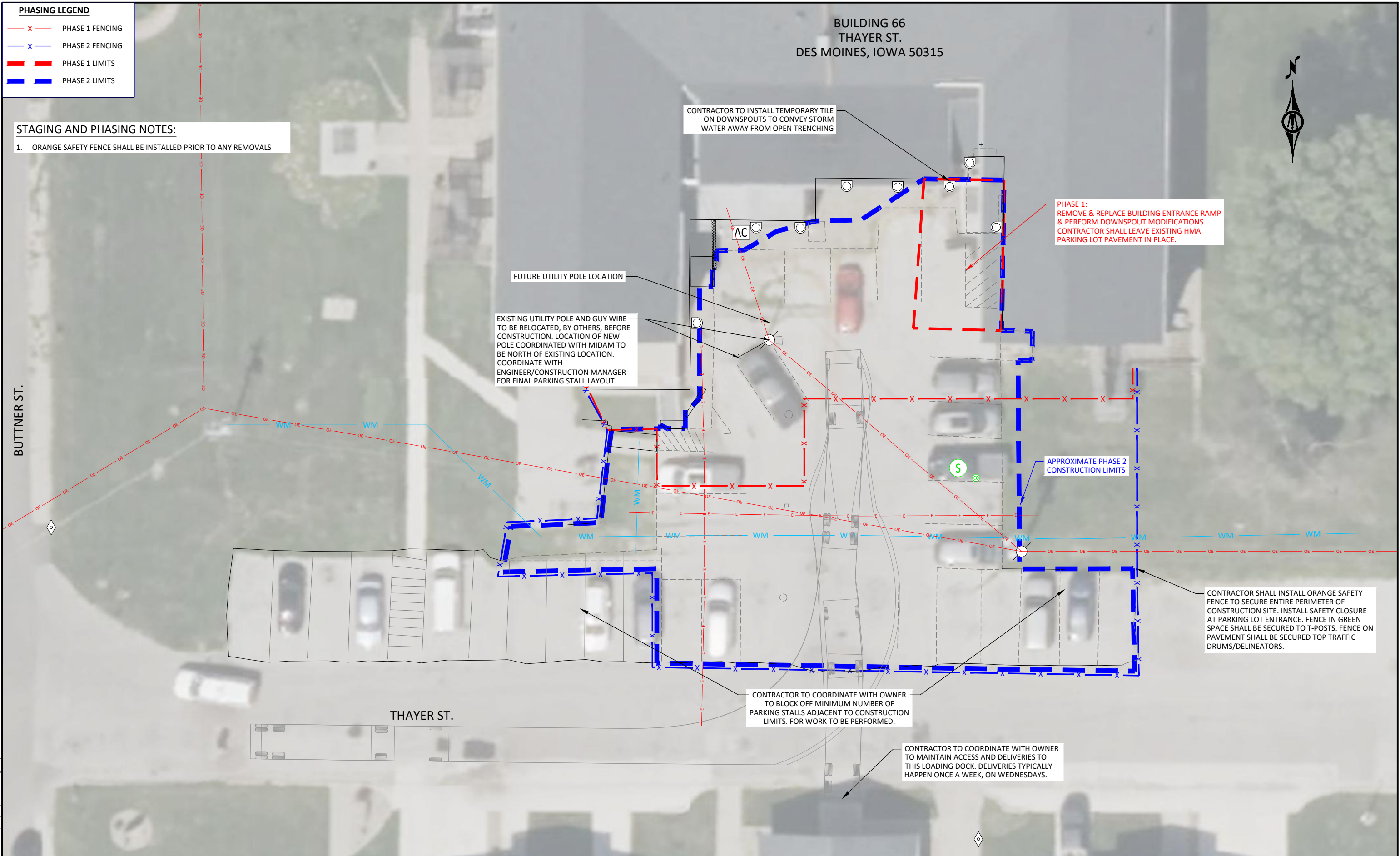
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT
REFERENCE, BENCHMARKS, AND GEOTECHNICAL DATA

SHEET

G.01

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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

PHASING PLAN

SHEET

J.01

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BUTTNER ST.

BUILDING 66
THAYER ST.
DES MOINES, IOWA 50315

+FF=950.66

THAYER ST.

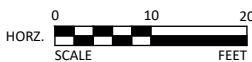
NOTE:
1. TEMPORARY EROSIONS CONTROL BEST MANAGEMENT PRACTICES (BMPs) AS SHOWN ON THIS PLAN SHEET THAT WILL NOT BE INCORPORATED INTO THE FINAL PRODUCT ARE RECOMMENDATIONS. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, INSTALLING, AND MODIFYING BMPs AS NECESSARY TO PREVENT ILLICIT DISCHARGE FROM THE PROJECT SITE.
2. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AS SHOWN.
3. CONTRACTOR IS RESPONSIBLE FOR THEIR CONSTRUCTION OPERATIONS ON SITE AND SHALL RE-ESTABLISH GRADE AND RE-SEED ANY ADDITIONAL DISTURBANCE AT NO ADDITIONAL COST TO THE OWNER.

EROSION CONTROL LEGEND

- MAJOR CONTOUR - EXISTING
- MINOR CONTOUR - EXISTING
- MAJOR CONTOUR - PROPOSED
- MINOR CONTOUR - PROPOSED
- WATTLE, COMPOST/MULCH SOCK
- ROCK MULCH, RIVER ROCK
- HYDRAULIC SEEDING, TYPE 1- PERMANENT LAWN



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IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT

EROSION CONTROL

SHEET

R.01

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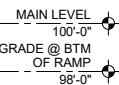
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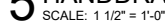
SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"



EXTERIOR HANDRAIL PAINT
NOTE: HANDRAIL SYSTEM WILL BE GALVANIZED, PRIOR TO PAINTING
SHERWIN WILLIAMS OR PRE-APPROVED OR-EQUAL - PRIOR TO BID DATE
COLOR: SW-7048 URBANE BRONZE

PRIMER: B58W00610 - MACROPOXY 646 FAST CURE EPOXY PART A MILL WHITE
PRIMER: B58W00600 - MACROPOXY 646 FAST CURE EPOXY PART B HARDNER
TOP COAT: B65W00721 - PRO INDUSTRIAL WATERBASE ACRYLON 100 POLYURETHANE (PART A) EXTRA WHITE
TOP COAT: B65W00720 - PRO INDUSTRIAL WATERBASE ACRYLON 100 POLYURETHANE (PART B) HARDNER

CLEAN AND PREPARE RAILING SYSTEM FOR PAINTING PER PAINT MANUFACTURERS WRITTEN RECOMMENDATIONS.

DESIGNED	REV	DESCRIPTION	DATE	IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES DOC 5TH DISTRICT FORT DES MOINES PARKING LOT REPLACEMENT STOOP AND RAMP REPLACEMENT	SHEET S0.1
DRAWN	0	ISSUED FOR BID	07/24/2026		
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CLIENT PROJ. NO.					
9528.00					

GENERAL NOTES

DESIGN CRITERIA:

- CODES AND STANDARDS:
2024 IBC/ASCE 7-22
OCCUPANCY/RISK CATEGORY II
- DESIGN DEAD LOADS:
CONCRETE: 150 PCF
- DESIGN LIVE LOADS:
EXIT WAYS: 100 PSF
- DESIGN SNOW LOADS:
GROUND SNOW LOAD: $P_g = 45$ PSF
- SEISMIC LOAD:
SEISMIC IMPORTANCE FACTOR: $I_h = 1.00$
MAPPED SPECTRAL ACCELERATION, SHORT: $S_s = 0.089$
MAPPED SPECTRAL ACCELERATION, 1-SEC: $S_1 = 0.059$
SITE CLASS: DEFAULT
ADJ. MAX. CONSIDERED EARTHQUAKE ACCELERATION, SHORT: $S_{MS} = 0.14$
ADJ. MAX. CONSIDERED EARTHQUAKE ACCELERATION, 1-SEC: $S_{M1} = 0.13$
DESIGN SPECTRAL ACCELERATION, SHORT: $S_{MS} = 0.093$
DESIGN SPECTRAL ACCELERATION, 1-SEC: $S_{M1} = 0.085$
SEISMIC DESIGN CATEGORY: B

CONCRETE

- CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH IBC CHAPTER 19 AND ACI 318.

- PROVIDE CONCRETE MIX DESIGNS COMPLYING WITH ACI PRC-211.1 RECOMMENDATIONS. COMPRESSIVE STRENGTHS, f_c , INDICATED ARE AT 28 DAYS. CONCRETE MATERIALS AND MIXTURES FOR BUILDING ELEMENTS SHALL BE AS FOLLOWS:

- CONCRETE MATERIALS:
 - CEMENT: ASTM C150, TYPE I OR ASTM C595, TYPE II
 - AGGREGATES: ASTM C33
 - FLY ASH: ASTM C618, CLASS C OR F; LIMIT TO 25% OF TOTAL CEMENTITIOUS

- ADMIXTURES: AS RECOMMENDED IN ACI PRC-211.1 AND AT RATES RECOMMENDED BY MANUFACTURER:
 - AIR ENTRAINMENT: ASTM C260
 - WATER REDUCING, RETARDING AND/OR ACCELERATING: ASTM C494, TYPE A-G

- DESIGN MIXTURES:
 - FOUNDATION WALLS AND STOOP SLABS:
 $f_c = 4,500$ PSI
 $w/c = 0.45$ MAX
AIR CONTENT = 6% +/- 1.5%
SLUMP = 4"-8" FOR CONCRETE w/ VERIFIED SLUMP OF 2"-4" BEFORE ADDING HIGH-RANGE WATER-REDUCING OR PLASTICIZING ADMIXTURE
MAX. AGGREGATE SIZE = 1"

- REINFORCING SHALL CONFORM TO ASTM A615, GR. 60, INCLUDING TIES AND STIRRUPS.

- ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH ACI DETAILING MANUAL. NO FIELD BENDING OF REINFORCEMENT SHALL BE PERMITTED EXCEPT WHERE SPECIFICALLY NOTED IN THE DRAWINGS.

- ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH CRS/REINFORCING BAR DETAILING. ALL DOWELS, ANCHOR RODS, EMBEDS, SLEEVES AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED AND SUPPORTED PRIOR TO POURING CONCRETE. NO WET-SETTING SHALL BE PERMITTED.

- MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
 - UNFORMED SURFACE IN CONTACT WITH THE GROUND: 3 IN.
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER: 1 1/2 IN. FOR #5 BAR OR SMALLER 2 IN. FOR #6 BAR OR LARGER
 - FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
 - WALLS, SLABS: 3/4 IN.
 - BEAMS, GIRDERS AND COLUMNS (TO TIES OR STIRRUPS): 1 1/2 IN.

- ALL CONSTRUCTION JOINTS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE, UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS, REQUIRED TO FACILITATE CONSTRUCTION, SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR AND SHALL BE DETAILED ON SHOP DRAWINGS. REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT.

- ALL ABUTTING CONCRETE MEMBERS SHALL BE DOWELED TOGETHER, UNLESS POURED MONOLITHICALLY. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ADJACENT MEMBER. WHERE CONCRETE IS PLACED AGAINST HARDENED CONCRETE, THE SURFACE SHALL BE ROUGHENED TO MINIMUM 1/4" AMPLITUDE.

- STOOP SLABS SHALL HAVE A BROOMED FINISH. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301.

- CIVIL DRAWINGS SHALL BE REFERRED TO FOR DRAINS, SLEEVES, OUTLET BOXES, CONDUIT, ETC.

- LAP SPLICES SHALL BE A MINIMUM OF 24".

- PROVIDE STANDARD HOOKS ON BARS TERMINATING AT A CONCRETE FACE UNLESS NOTED (E.G.: SLAB EDGES, EXPANSION JOINTS, AND AT: TOP, BOTTOM AND ENDS OF WALLS, ETC...).

- FOLLOW RECOMMENDATIONS OF ACI PRC-305 AND ACI PRC-306 WHEN CONCRETING DURING HOT OR COLD WEATHER, RESPECTIVELY.

- FORMWORK DESIGN AND CONSTRUCTION SHALL COMPLY WITH GUIDELINES OF ACI PRC-347 TO PROVIDE FORMWORK THAT WILL PRODUCE CONCRETE COMPLYING WITH TOLERANCES OF ACI SPEC-117.

- CONCRETE SHALL BE CURED AND PROTECTED IN ACCORDANCE WITH ACI PRC-308.

- WHERE INDICATED IN DRAWINGS, PROVIDE SLAB ISOLATION JOINT FILLER COMPLYING WITH ASTM D1751, CELLULOSE FIBER. JOINT FILLER SHALL BE 1/2" THICK, HEIGHT EQUAL TO SLAB THICKNESS, WITH REMOVABLE TOP SECTION FORMING 1/2" DEEP SEALANT POCKET AFTER REMOVAL.

- JOINT SEALANT: SONOLASTIC MASTERSEAL NP-1 (OR APPROVED EQUAL), ONE COMPONENT MOISTURE CURING POLYURETHANE, ASTM C920, TYPE S, GRADE NS, CLASS 35, USES A AND T. BACKER ROD IS REQUIRED BELOW JOINT SEALANT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

- ALL VERTICAL AND HORIZONTAL CONCRETE SURFACES SHALL HAVE WATER REPELLANT SURFACE TREATMENT, SALTGUARD BY PROSOCO, OR APPROVED EQUAL.

FOUNDATIONS

DESIGN:

- GEOTECHNICAL EXPLORATION HAS NOT BEEN PERFORMED FOR THIS PROJECT. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE MAXIMUM ASSUMED VALUES PERMITTED BY THE 2024 INTERNATIONAL BUILDING CODE.
- BACKFILLING:
 - DO NOT BACKFILL PIT WALLS UNTIL ADEQUATE TEMPORARY BRACING IS INSTALLED.
 - BACKFILL UNDER FOUNDATION WITH CONCRETE OR AS APPROVED BY SOILS ENGINEER.

SPREAD FOOTINGS:

- FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING A NET BEARING PRESSURE UNDER FULL SERVICE LIVE AND DEAD LOAD AS FOLLOWS:
1,500 PSF FOR FOUNDATIONS BEARING ON SUITABLE NATIVE SOIL OR ENGINEERED FILL

- ALL BEARING MATERIAL SHALL BE INSPECTED BY A QUALIFIED TECHNICIAN PRIOR TO CONCRETE PLACEMENT. A QUALIFIED TECHNICIAN SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED. OVEREXCAVATION MAY BE REQUIRED.

- BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 3'-6" BELOW FINAL GRADE.

MISCELLANEOUS

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, SUCH AS DIMENSIONS, ELEVATIONS, CONFIGURATION, AND DETAILS OF EXISTING STRUCTURES AND CONDITIONS WHERE THEY AFFECT NEW CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY IF ANY DEVIATIONS FROM ANTICIPATED CONDITIONS ARE DISCOVERED. CONFIRM FIELD VERIFIED CONDITIONS & DIMENSIONS WITH ENGINEER PRIOR TO START OF CONSTRUCTION.

- COORDINATION W/ COMPLETE SET OF CONTRACT DOCUMENTS: THE CONTRACT DOCUMENTS ARE ONE COMPLETE, COMPREHENSIVE AND INCLUSIVE DOCUMENT CONSISTING OF THE AGGREGATE COLLECTION OF DRAWINGS AND SPECIFICATIONS FOR ALL OF THE DISCIPLINES' DIVISIONS (E.G. SITE, CIVIL, ETC.). NO SINGLE DISCIPLINE DIVISION IS AUTONOMOUS NOR DOES IT STAND-ALONE FROM ANY OR ALL OTHER DISCIPLINE DIVISIONS.

- VERIFY ALL DIMENSIONS, ELEVATIONS, DEPRESSIONS, INSERTS, EMBEDDED ITEMS. EQUIPMENT PADS AND SUPPORTS, OPENINGS, DETAILS, AND CONDITIONS BY CROSS-REFERENCING TO CIVIL SECTIONS.

- SEE CIVIL DRAWINGS FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

- NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

- OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO CIVIL DRAWINGS FOR COORDINATION OF SUCH OPENINGS.

- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.

- DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.

- THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS HE HAS SPECIFICALLY INFORMED THE ENGINEER OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.

- ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS, OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ENGINEER BEFORE THE EFFECTED WORK PROCEEDS.

- ASTM AND OTHER CODE STANDARDS REFERENCED IN THESE DRAWINGS SHALL BE THE VERSION REFERENCED BY THE APPLICABLE VERSION OF IBC.

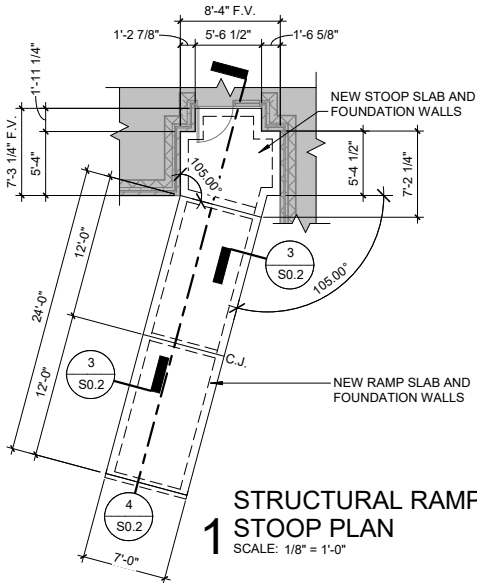
SUBMITTALS

- THE FOLLOWING ITEMS SHALL BE SUBMITTED FOR REVIEW:

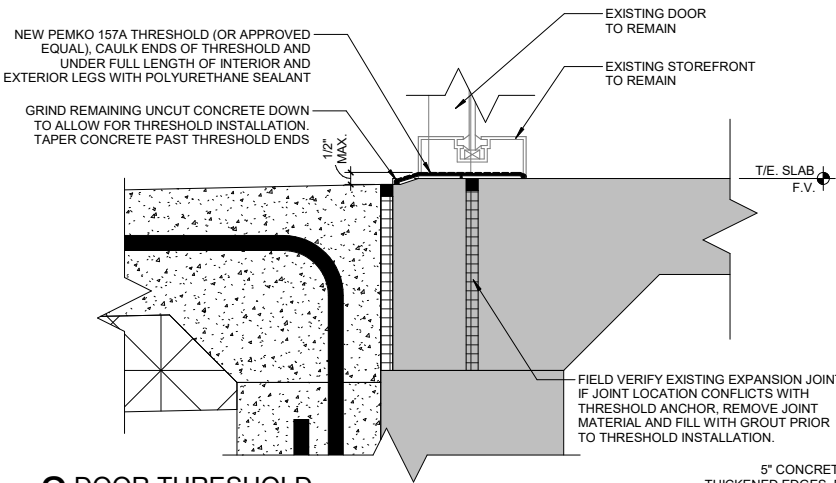
- CONCRETE MIX DESIGNS, INCLUDING PRODUCT DATA
- CONCRETE REINFORCEMENT
- JOINT SEALANT
- EXTERIOR HIGH PERFORMANCE PAINT
- GUARD/HANDRAIL SYSTEMS SHOP DRAWINGS

- CONTRACTOR SHALL REVIEW EACH SUBMITTAL FOR CONFORMANCE WITH CONTRACT DOCUMENTS. SUBMITTALS NOT REVIEWED BY THE CONTRACTOR AND STAMPED SUCH WILL BE REJECTED AND SENT BACK TO THE CONTRACTOR FOR REVIEW. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DIMENSIONS AND QUANTITIES AND TO COORDINATE WORK AFFECTED BY OTHER TRADES.

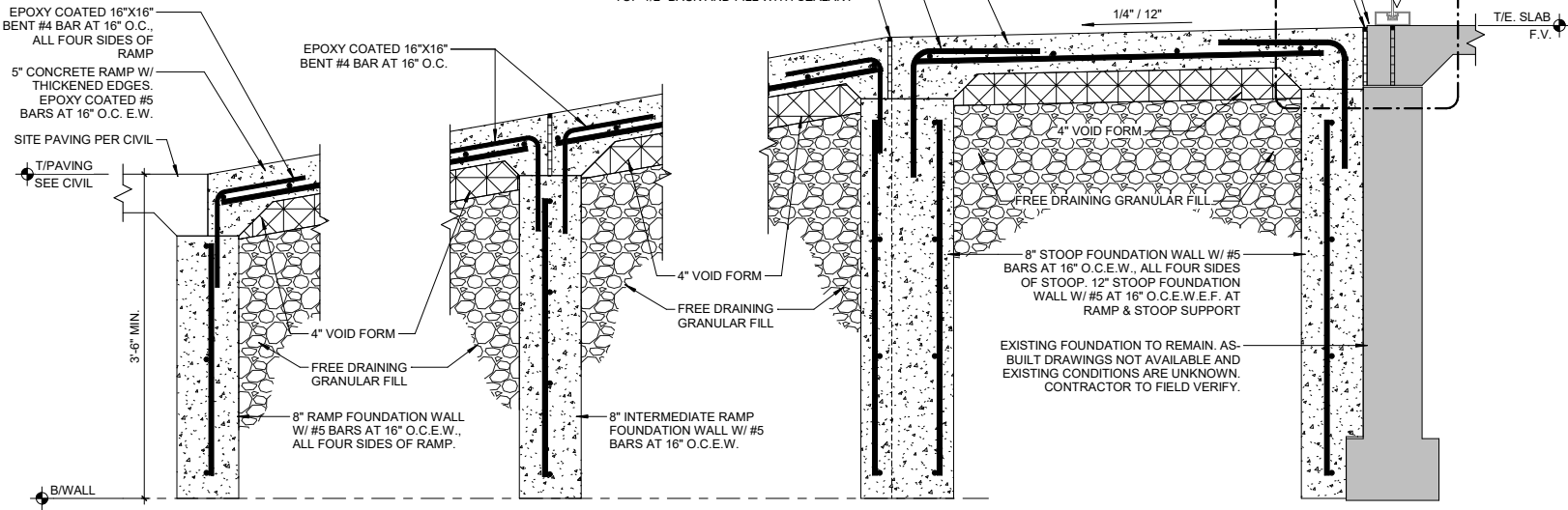
- SUBMITTALS SHALL BE REVIEWED BY THE ENGINEER FOR THE LIMITED PURPOSE OF CHECKING FOR COMPLIANCE WITH THE DESIGN INTENT SHOWN IN THE CONTRACT DOCUMENTS.



1 STRUCTURAL RAMP & STOOP PLAN
SCALE: 1/8" = 1'-0"



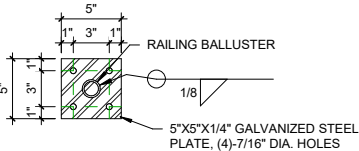
2 DOOR THRESHOLD
SCALE: 3" = 1'-0"



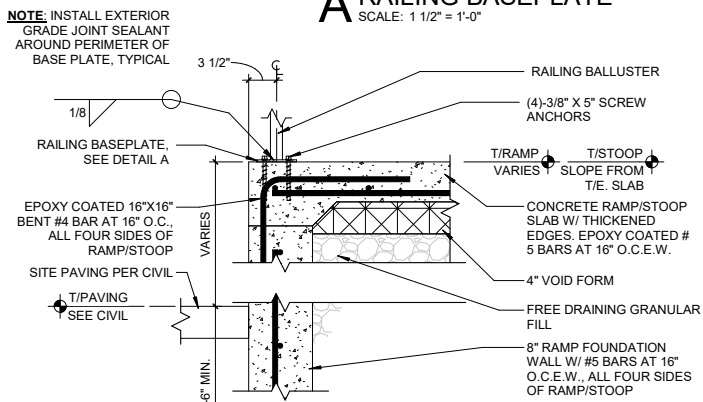
4 NEW RAMP AND STOOP DETAIL
SCALE: 1" = 1'-0"

STOOP REPLACEMENT SCOPE OF WORK:

- BASE BID
 - DEMOLISH EXISTING RAMP AND STOOP. EXISTING STEM WALLS ARE ASSUMED TO NOT BE ATTACHED TO THE MAIN BUILDING FOUNDATION. IF EXISTING RAMP AND STOOP STEM WALLS ARE ATTACHED TO THE MAIN BUILDING FOUNDATION, CONTRACTOR TO CONTACT STRUCTURAL ENGINEER TO PERFORM A SITE VISIT IN ORDER TO CONFIRM AND EVALUATE EXISTING CONDITIONS. INSTALL NEW RAMP AND STOOP SLABS AND STEM WALLS.
- FOLLOWING DEMOLITION OF THE STOOP SLAB, IF THE EXISTING STOOP STEM WALLS ARE CONFIRMED TO BE REUSABLE BY THE STRUCTURAL ENGINEER.
 - DRILL AND EPOXY INDICATED BENT DOWELS INTO EXISTING STOOP STEM WALLS IN LIEU OF NEW STEM WALLS.



A RAILING BASEPLATE
SCALE: 1 1/2" = 1'-0"



3 EDGE OF RAMP/STOOP AT RAILING
SCALE: 1" = 1'-0"

THIS SHEET SET IS INTENDED TO BE PLOTTED IN COLOR

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