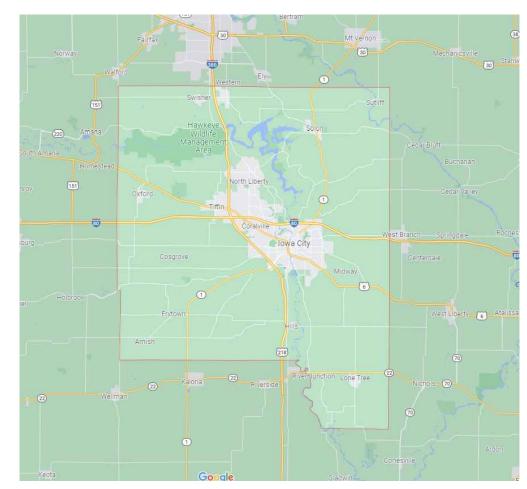
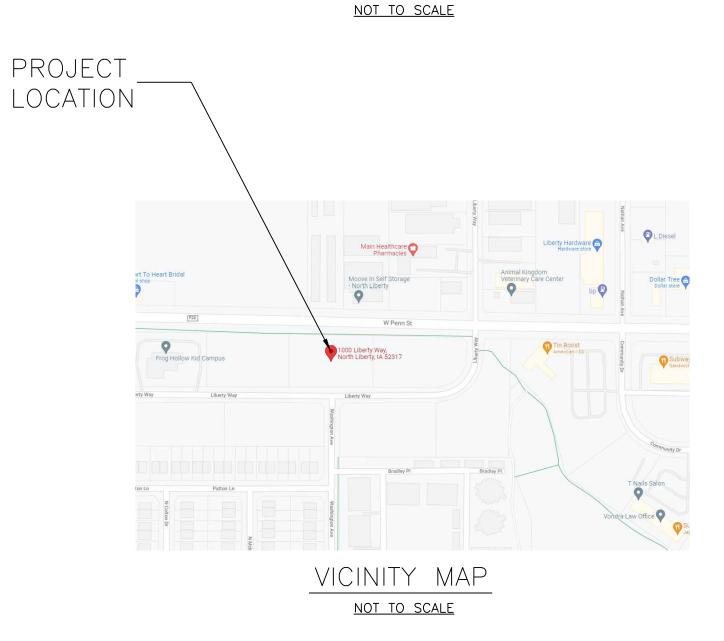
TACO BELL RESTAURANT 1000 LIBERTY WAY NORTH LIBERTY, IOWA 52317 JOHNSON COUNTY

GLMV PROJECT NO: 21678R21001 DECEMBER 1, 2021

REVISIONS
DECEMBER 27, 2021
JANUARY 18, 2022
JANUARY 19, 2022



JOHNSON COUNTY SITE MAP



HAZA BELL OF NEBRASKA, LLC

4415 HIGHWAY 6 SUGARLAND, TX 77478-4476 JIMMY WACHAA



 DWG. NO.
 DESCRIPTION
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 C-100
 COVER SHEET SURVEY (BY OTHERS)
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REVISIONS

OWNERSHIP: TACO BELL

HAZA BELL OF NEBRASKA, LLC 4415 HIGHWAY 6

SUGARLAND, TX 77478-4476

PROPERTY: 1000 LIBERTY WAY

NORTH LIBERTY, IA 52317

THIS PROJECT CONSISTS OF DESIGN OF A NEW TACO BELL WITH ALL

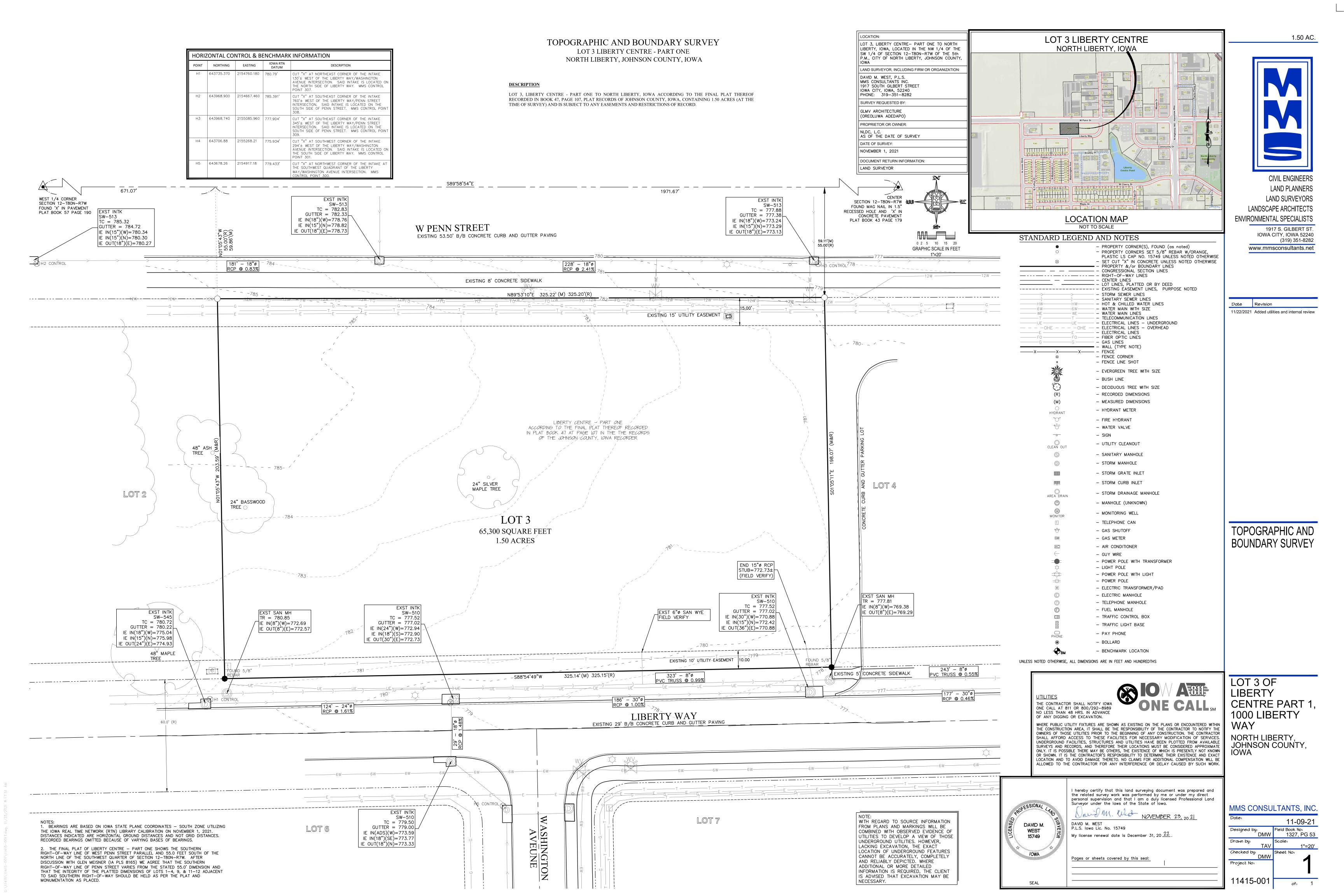
SUPPORTING SITE FEATURES.

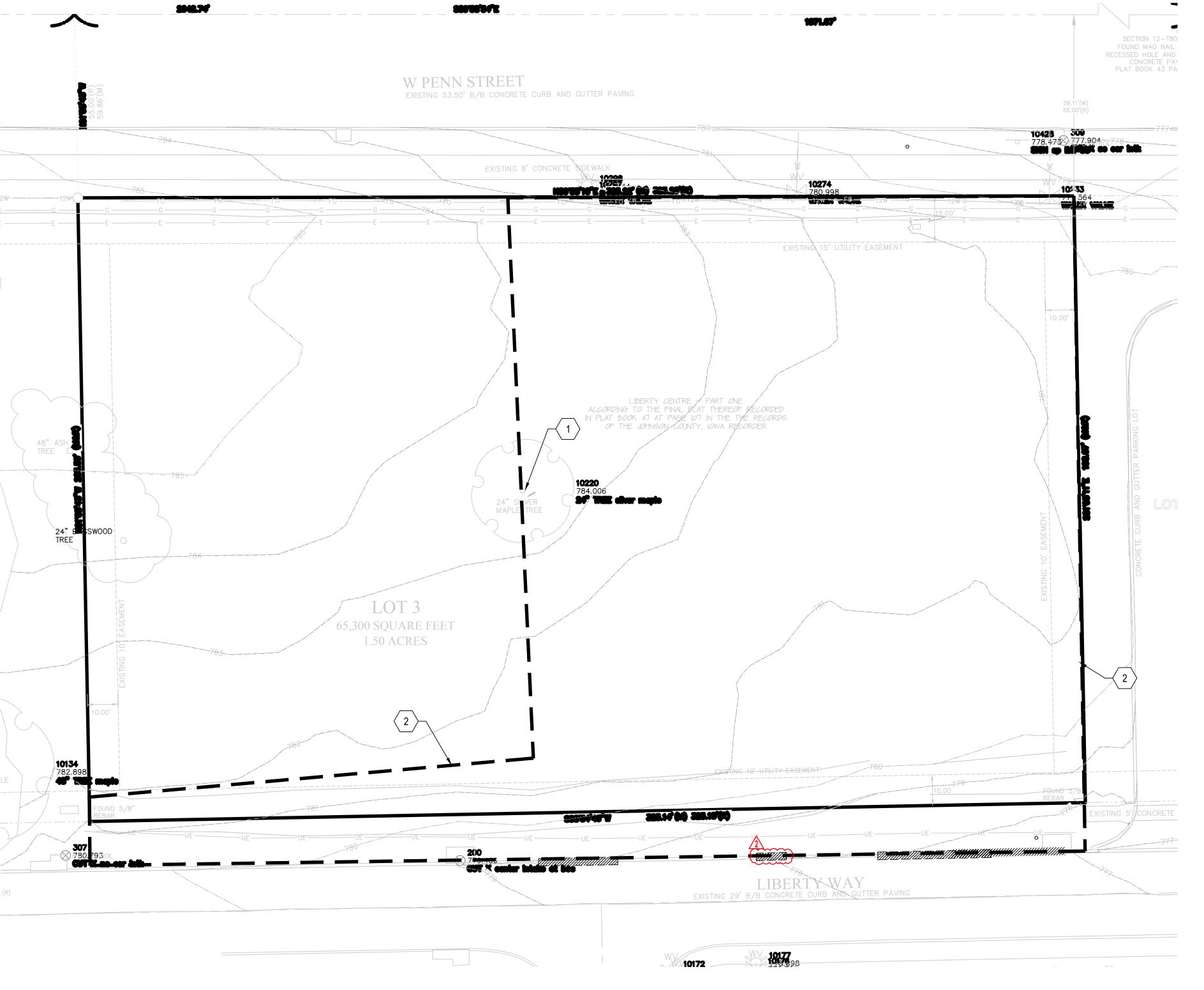
PARCEL ID: 0612327002

ZONE: C-2-A

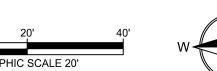
DISTURBED AREA = 0.99 ACRES

COVER SHEET





EXISTING & DEMOLITION PLAN





GENERAL NOTES:

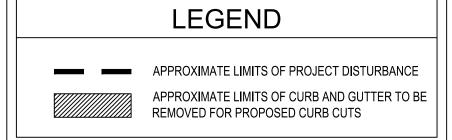
1. REFER TO THE SEALED SURVEY FOR EXISTING CONDITIONS LEGEND.

DEMOLITION NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, UNDERGROUND STORAGE TANKS, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
- 3. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- 4. EXISTING PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING.
- 5. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY AS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT-OF-WAY DURING CONSTRUCTION.
- 6. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BMP'S) AS APPROVED BY CONSTRUCTION MANAGER.
- 7. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
- 8. PRIOR TO ANY DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES MUST BE INSTALLED.
- 9. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
- 10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT

KEYNOTES

- \langle 1 \rangle REMOVE TREES AND GRIND TREE STUMPS TO 12" MINIMUM BELOW GRADE.
- $\left\langle \begin{array}{c} 2 \end{array} \right\rangle$ APPROXIMATE PROJECT LIMITS OF DISTURBANCE.







21678R21001

01/18/2022 RESPONSE TO COMMENTS

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CONTRACT DATE:	12.01.202
BUILDING TYPE:	END. MED4
PLAN VERSION:	XX.XX.XXX
SITE NUMBER:	XXXXX

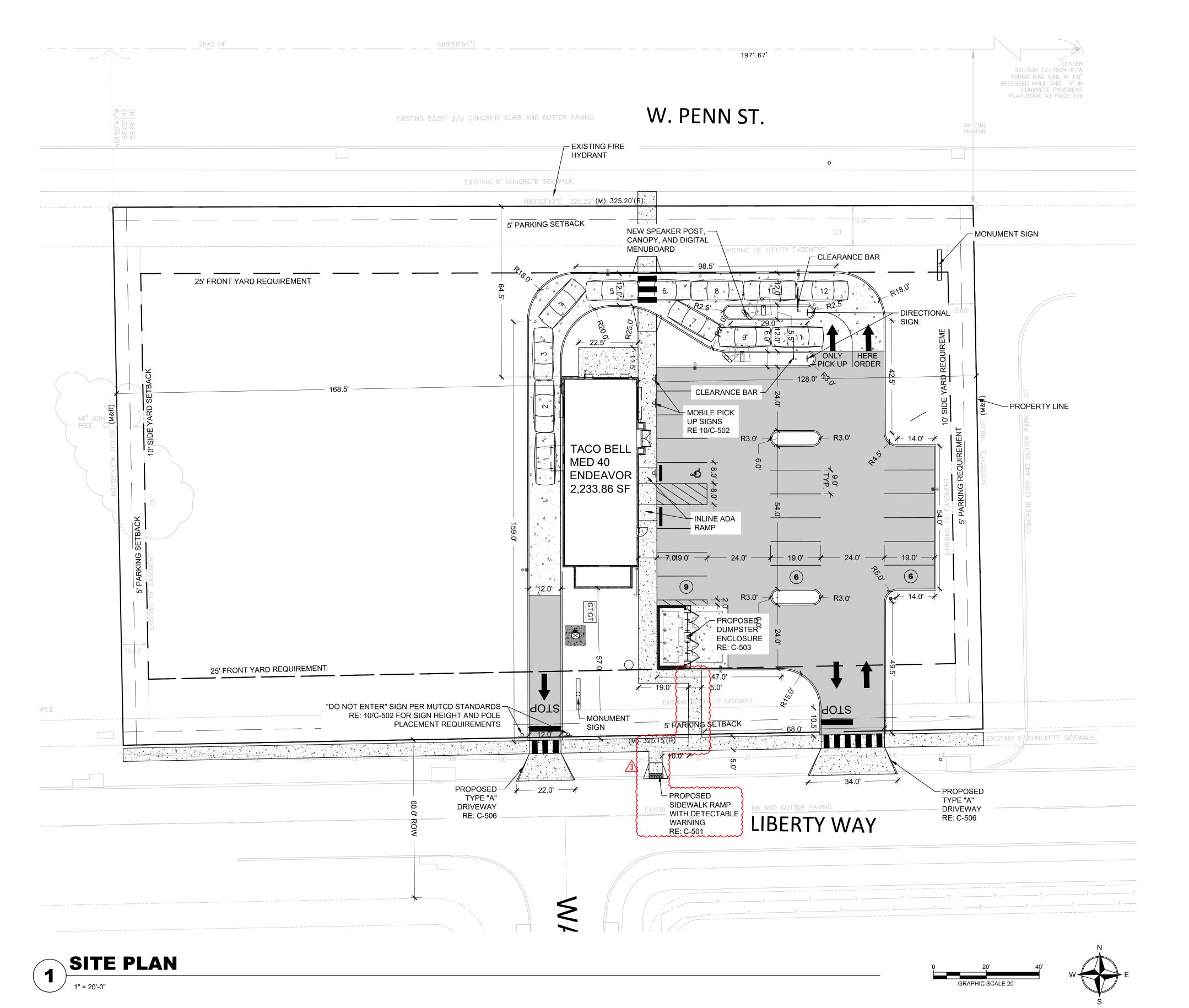
TACO BELL

STORE NUMBER:

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



EXSITING & DEMOLITION PLAN



SITE PLAN NOTES

- 1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY
- 3. CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO ANY EXCAVATION/DIGGING.
- 4. ALL EXISTING CONDITIONS, DIMENSIONS, AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 5. CONTRACTOR SHALL REPAIR ALL DISTURBED LANDSCAPING.
- 7. ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF MUTCD.
- 8. ALL DIMENSIONS ARE SHOWN TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 9. REFERENCE PROJECT SURVEY FOR CONTROL POINT INFORMATION.
- 10. PARKING AREA 6" PCC WILL SUPPORT FIRE APPARATUS WEIGHING AT LEAST 75,000 LBS.

ADA NOTES

- 1. ANY AND ALL NEW SITE FEATURES SHOWN ON PLANS AND NOTED AS "ADA" SHALL BE BUILT IN COMPLIANCE TO CURRENT FEDERAL, STATE AND LOCAL ACCESSIBILITY RULES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO KNOW AND UNDERSTAND ALL CURRENT ACCESSIBILITY REGULATIONS AS THEY PERTAIN TO THE CONSTRUCTION OF ACCESSIBLE SITE FEATURES.
- 2. ALL NEW CONCRETE SIDEWALK PAVEMENT SHALL BE INSTALLED WITH A MAXIMUM 5% RUNNING SLOPE AND A MAXIMUM. 2% CROSS SLOPE. A MINIMUM 5'X5' STOOP WITH A MAXIMUM OF 1.5% SLOPE IN ALL DIRECTIONS SHALL BE INSTALLED AT EACH PUBLIC ENTRANCE DOOR.
- 3. SURFACES OF ALL NEW CONCRETE PAVEMENT PATHWAYS SHALL BE SMOOTH AND EVEN WITH NO ABRUPT CHANGES IN ELEVATION OF 1/4" OR GREATER AS REQUIRED BY THE ACCESSIBILITY DESIGN REGULATIONS.

SITE INFORMATION

PARCEL #: 0612327002

ADDRESS: 1000 LIBERTY WAY, NORTH LIBERTY, IA 52317 LEGAL DESCRIPTION: SEE BOUNDARY AND TOPOGRAPHIC SURVEY AREA: PROPERTY ZONE: C-2-A

PROPOSED USED: RESTAURANT W/ DRIVE THROUGH

PARKING REQUIREMENT - 1 SPACE PER 100 SF OF GROSS FLOOR AREA.

BUILDING - 1,930 SF = 20 PARKING SPACES

REQUIRED PARKING: 20 SPACES AT 9'X19' (1 ADA AT 8X19' WITH 8' ACCESS AISLE)

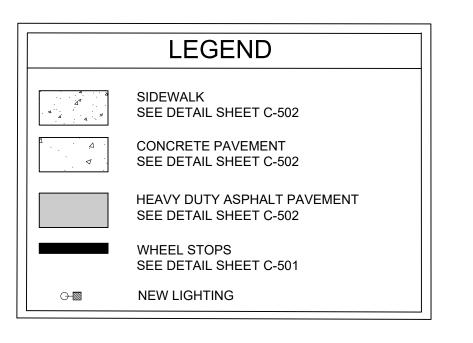
PROPOSED PARKING: 21 SPACES

TOTAL AREA = 65,300 SF (1.50 ACRES)
TOTAL DISTURBED AREA = 38,333 SF (0.88 ACRES)
EXISTING BUILDING AREA = 0 SF

PROPOSED TOTAL BUILDING FOOTPRINT (BUILDING + WALK IN COOLER) = 2,262 SF PROPOSED WALK GROSS BUILDING AREA = 1,930 SF PROPOSED WALK IN COOLER AREA = 177 SF

EXISTING IMPERVIOUS = 0 SF (0.0 ACRES) = 0% EXISTING PERVIOUS = 65,300 SF (1.50 ACRES) = 100%

PROPOSED IMPERVIOUS =20,410 SF (0.47 ACRES) = 31.3% PROPOSED PREVIOUS = 44,890 SF (1.08 ACRES) = 71.7%







21678R21001

12/27/2021 RESPONSE TO COMMENTS

2 01/18/2022 RESPONSE TO COMMENTS

3 01/19/2022 RESPON	ISE TO COMMENT
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

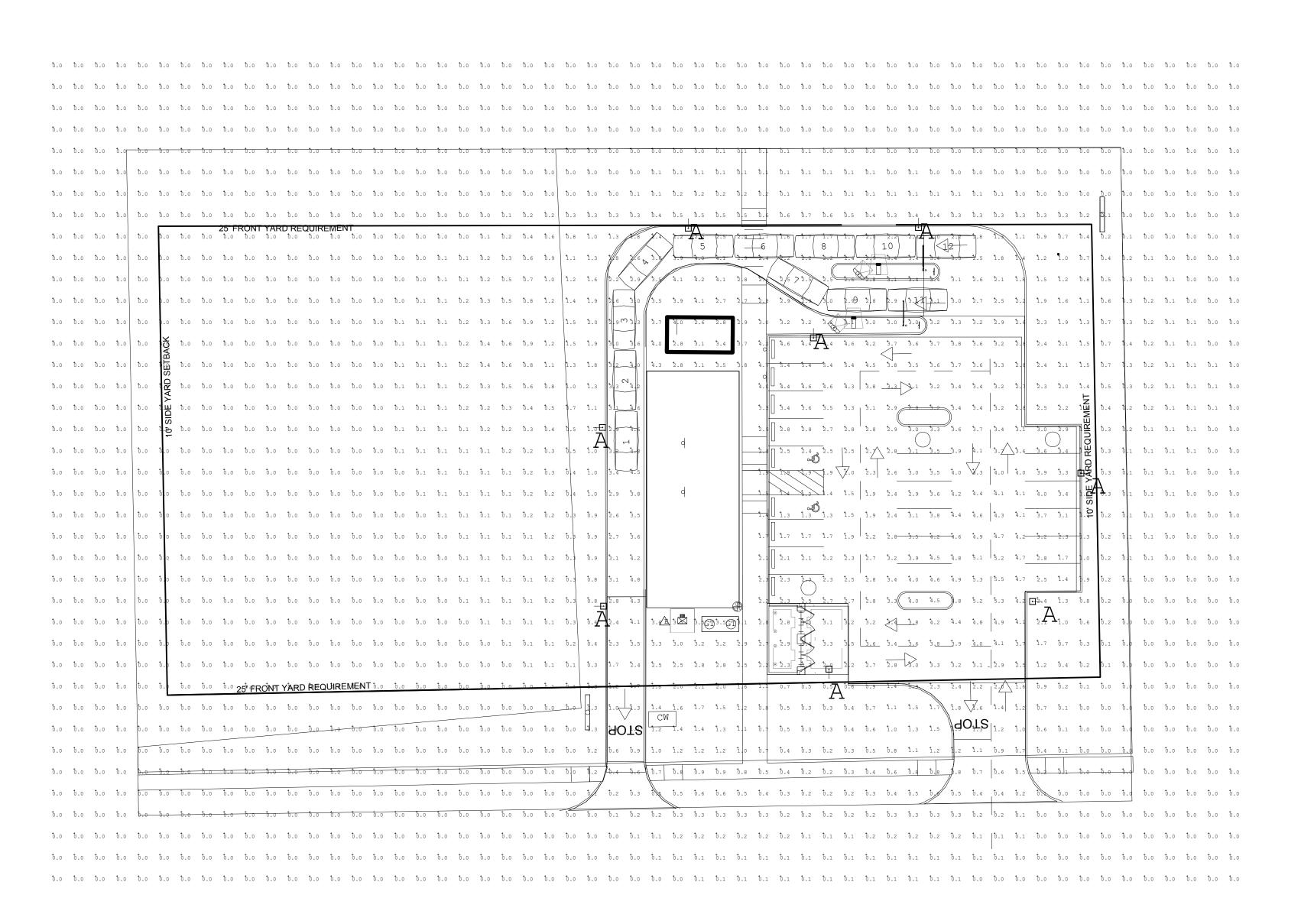
TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



ENDEAVOR 2.0

SITE PLAN
C-102



Luminaire	e Schedu	le		
Symbol	Qty	Label	Arrangement	Description
	8	A	SINGLE	MRM-LED-18L-SIL-FT-40-70CRI-IL WITH REAR HOUSING SHIELD MOUNTED AT 25'

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
_	Fc	N.A.	N.A.	N.A.	N.A.	N.A.
DRIVE THRU SURFACE	Fc	2.76	4.8	0.4	6.90	12.00
PARKING LOT SURFACE	Fc	3.38	5.5	1.3	2.60	4.23



12/27/2021 RESPONSE TO COMM
△ 01/06/2022 RESPONSE TO COMM
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CONTRACT DATE:
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

XX.XX.XXX

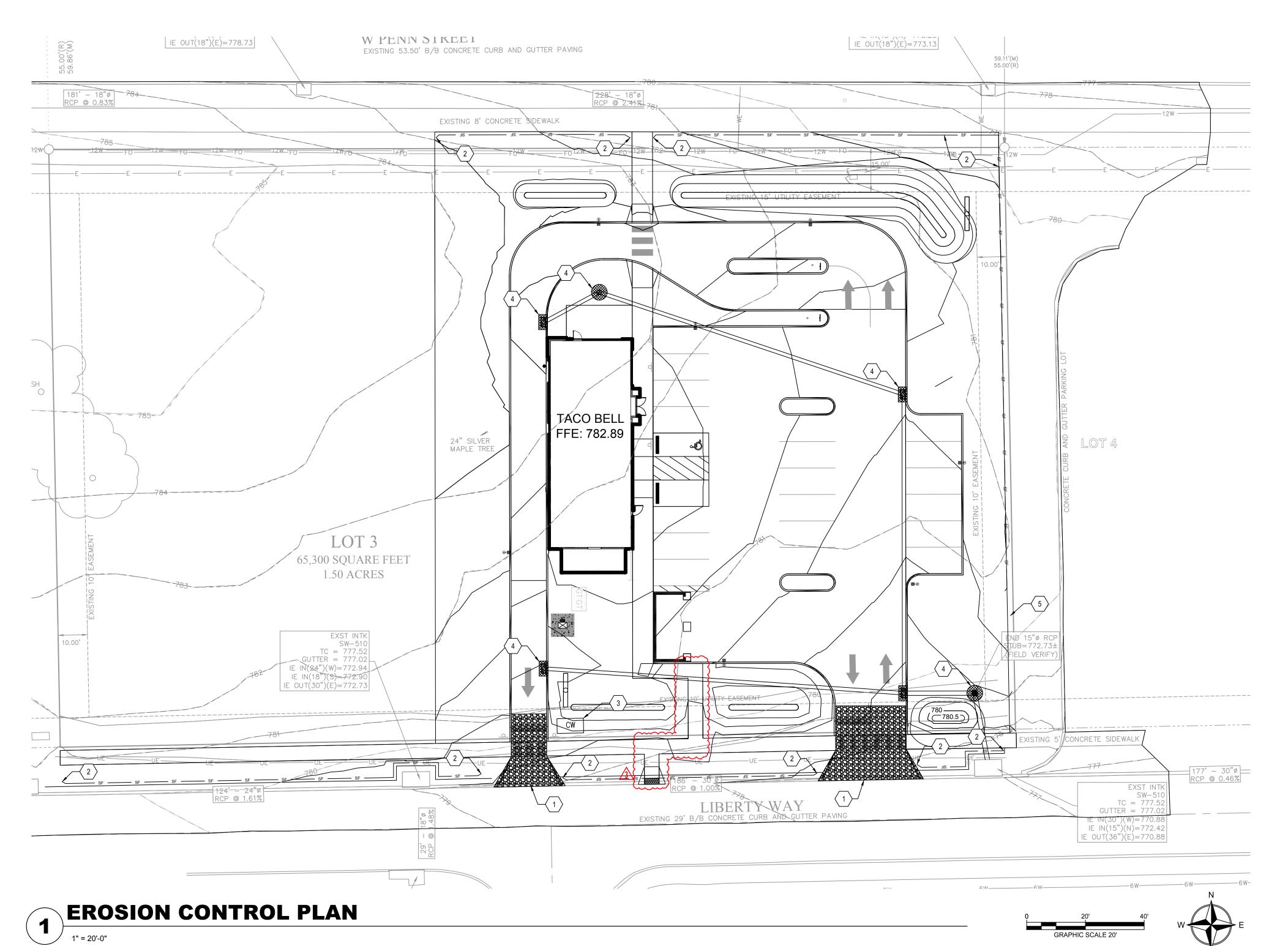
TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



PHOTOMETRIC PLAN

C-102.1



EROSION AND SEDIMENT CONTROL NOTES:

THIS SHEET OUTLINES MINIMUM STORMWATER PRACTICES TO BE FOLLOWED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREVENTION OF SOIL OR SEDIMENT LOSS FROM THE CONSTRUCTION SITE. TEMPORARY EROSION AND SEDIMENT CONTROLS ARE NOT TO BE REMOVED OR TERMINATED UNTIL THE PERMANENT VEGETATION HAS BEEN ESTABLISHED TO THE SPECIFICATIONS OF THE LANDSCAPE PLAN.

- 1. TOTAL DISTURBED AREA: 0.99 ACRES.
- EROSION CONTROL MEASURES TO BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES. INSTALLATION SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- 5. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH PERMANENT SEEDING OR SODDING.
- 6. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN EVENT, AND REPAIRED AS NECESSARY.
- 7. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- 8. CONTRACTOR TO CALL 811 TO VERIFY EXISTING UTILITY LOCATIONS BEFORE BEGINNING ANY CONSTRUCTION WORK.

KEYNOTES

1 > STABILIZED CONSTRUCTION ENTRANCE REF: C-504.

2 SILT FENCE REF: C-504

3 CONCRETE WASHOUT

4 INLET PROTECTION REF: C-505

REF: C-505

 $^{'}$ 5 $^{\rangle}$ LIMITS OF DISTURBANCE.

LEGEND — — — LIMITS OF DISTURBANCE SILT FENCE INLET PROTECTION CONSTRUCTION ENTRANCE CW CONCRETE WASHOUT

WRITTEN CONSTRUCTION SEQUENCE

THE CONTRACTOR SHOULD INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE, CONCRETE WASHOUT, AND SILT FENCE AS INDICATED ON SHEET C-103.

THE PREVIOUSLY STATED ITEMS CONCLUDE THE PRE-CONSTRUCTION ACTIVITIES.

"INTERIM / DURING" CONSTRUCTION:

FOLLOWING THE COMPLETION OF ALL PRE-CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PROCEED WITH THE CLEARING AND GRUBBING OPERATIONS.

THE CONTRACTOR SHALL THEN BEGIN ALL MAJOR CONSTRUCTOIN ACTIVITIES. THESE ACTIVITIES ARE INCLUDING, BUT NOT LIMITED TO, DEMOLITION, ROUGH GRADING OPERATIONS, INSTALLATION OF INTERMEDIATE EROSION CONTROL DEVICES, CONSTRUCTION OF THE BUILDING, PARKING LOTS, DRIVEWAY CONSTRUCTION, AND UTILITIES.

ONCE ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED, THE INTERIM

PHASE OF EROSION CONTROL WILL BE COMPLETE.

FINAL STABILIZATION: FOLLOWING THE COMPLETION OF THE "INTERIM / DURING" CONSTRUCTION ITEMS, THE CONTRACTOR SHALL BEGIN THE FINAL STABILIZATION PHASE.

FINAL STABILIZATION SHALL INCLUDE INSTALLATION OF ALL TURF, BOTH SEED AND SOD, INSTALLATION OF LANDSCAPE SHRUBS, AND LANDSCAPE TREES. ITEMS SHALL BE INSTALLED AS INDICATED ON SHEET LP-101.

ONCE ALL LANDSCAPING IS INSTALLED AND ESTABLISHED, THE CONTRACTOR SHALL REMOVE EROSION CONTROL DEVICES.





23\ 01/19/2022 RESPOR	NSE TO COMMENT
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX

TACO BELL

SITE NUMBER:

STORE NUMBER:

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



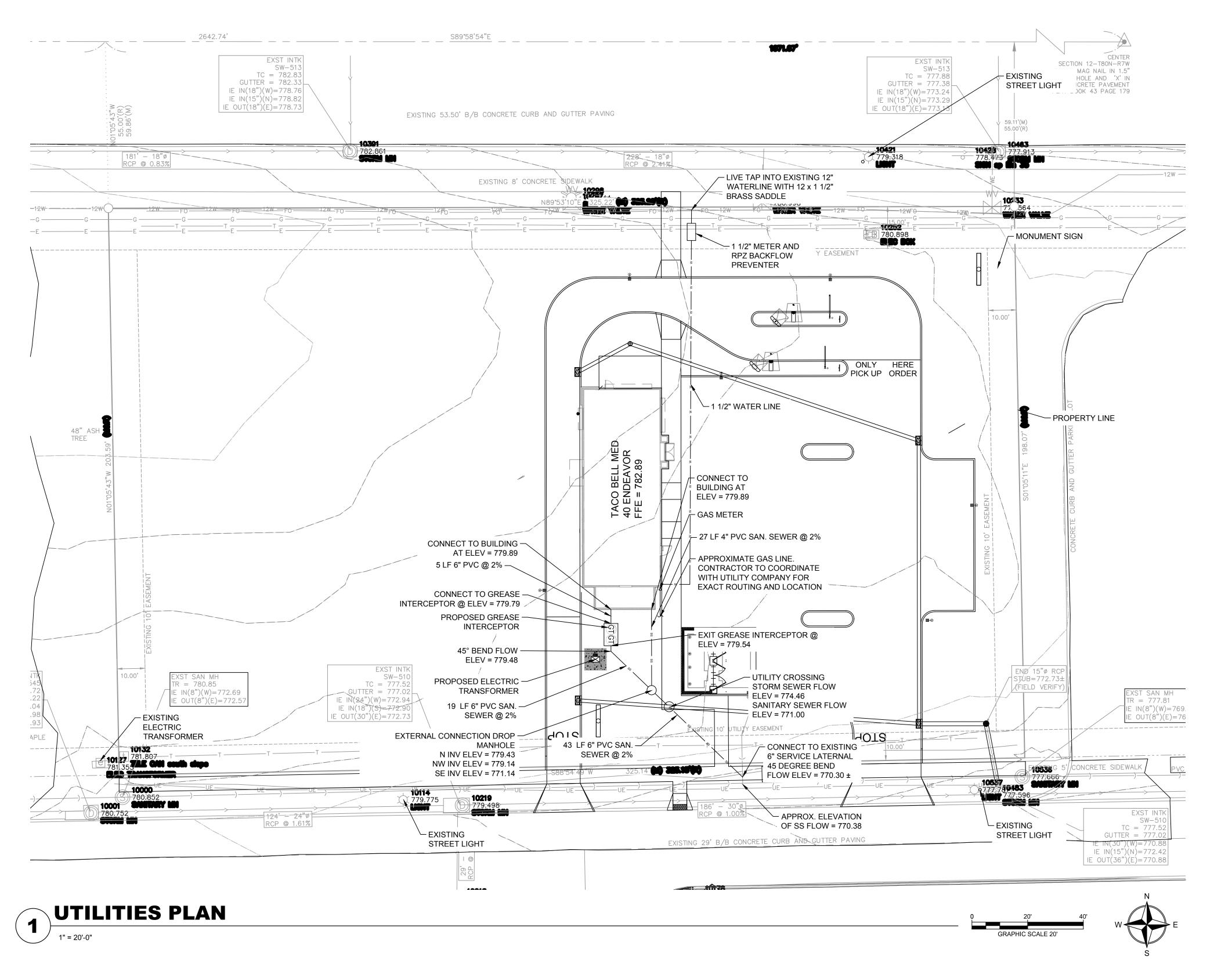
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EROSION

CONTROL

PLAN

ENDEAVOR 2.0



GENERAL UTILITY NOTES:

1. UTILITY CONSTRUCTION SHALL COMPLY WITH THE STANDARD SPECIFICATIONS, CODES, AND DETAILS OF THE CITY OF NORTH LIBERTY, IA AND UTILITY PROVIDERS.

2. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR MAKING HIS OWN VERIFICATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

3. PROTECT ALL COMPONENTS DURING DEMOLITION / CONSTRUCTION PROCESS. MAINTAIN BMP'S THROUGHOUT THE DURATION OF CONSTRUCTION.

4. STUB ALL CONNECTIONS TO WITHIN 5' OF BUILDING TO PROVIDE CONNECTION INTO THE BUILDING BY MECHANICAL PLUMBING CONTRACTOR.

5. CONTRACTOR TO PROVIDE DETAILED AS-BUILT DRAWINGS TO OWNER/ENGINEER UPON COMPLETION OF ALL UTILITIES.

6. CONTRACTOR TO VERIFY EXISTING WATER MAIN PRIOR TO LAND DISTURBANCE. NOTIFY ENGINEER IF SMALLER THAN 1 \$\frac{1}{2}\$ IN SIZE.

7. CONTRACTOR TO VERIFY EXISTING SANITARY TIE-IN LOCATION ELEVATION FOR SERVICE PRIOR TO CONSTRUCTION.

8. SEE DETAIL SHEET CS510 UTILITY DETAILS-1 GENERAL NOTES FOR REQUIREMENTS ABOUT CROSSING AND SEPARATION OF WATER FROM

UTILITY PROVIDERS:

SANITARY LINES.

WATER, STORM SEWER, SANITARY SEWER, AND TRAFFIC

OWNER: CITY OF NORTH LIBERTY

PHONE: (319) 626-5719 ADDRESS: 433 S. FRONT ST., NORTH LIBERTY, IOWA 52317

OWNER: MID-AMERICAN ENERGY
PHONE: 800-329-6261

PHONE: 800-329-6261 ADDRESS: P.O. BOX 657, DES MOINES, IA 50306-0657

OWNER: INTERSTATE POWER & LIGHT COMPANY (ALLIANT)
PHONE: (800) 255-4268

INTERNET, TELEPHONE, CABLE, AND FIBER OPTIC OWNER: SOUTH SLOPE COOPERATIVE COMMUNICATIONS

ADDRESS: ALLIANT TOWER, CEDAR RAPIDS, IA 52401

PHONE: (319) 626-2211 ADDRESS: 980 N. FRONT ST., NORTH LIBERTY, IA 52317

UTILI	UTILITY LEGEND				
COMM COMM	PROPOSED COMMUNICATION				
Е Е Е	PROPOSED ELECTRIC				
	PROPOSED OVERHEAD ELECTRIC				
UGE UGE UGE	PROPOSED UNDERGROUND ELECTRIC				
FO FO FO	PROPOSED FIBER				
G G G	PROPOSED GAS				
ss ss ss	PROPOSED SANITARY SEWER				
	PROPOSED STORM SEWER				
	PROPOSED WATER				
—	PROPOSED ISOLATION VALVE				
	PROPOSED SANITARY CLEANOUT				
፟	PROPOSED TRANSFORMER				
₩	PROPOSED WATER METER				
O	EXISTING UTILITY POLE				
眾	EXISTING FIRE HYDRANT				
M	EXISTING WATER VALVE				





21678R21001

2 01/18/2022 RESPONSE TO COMMENTS

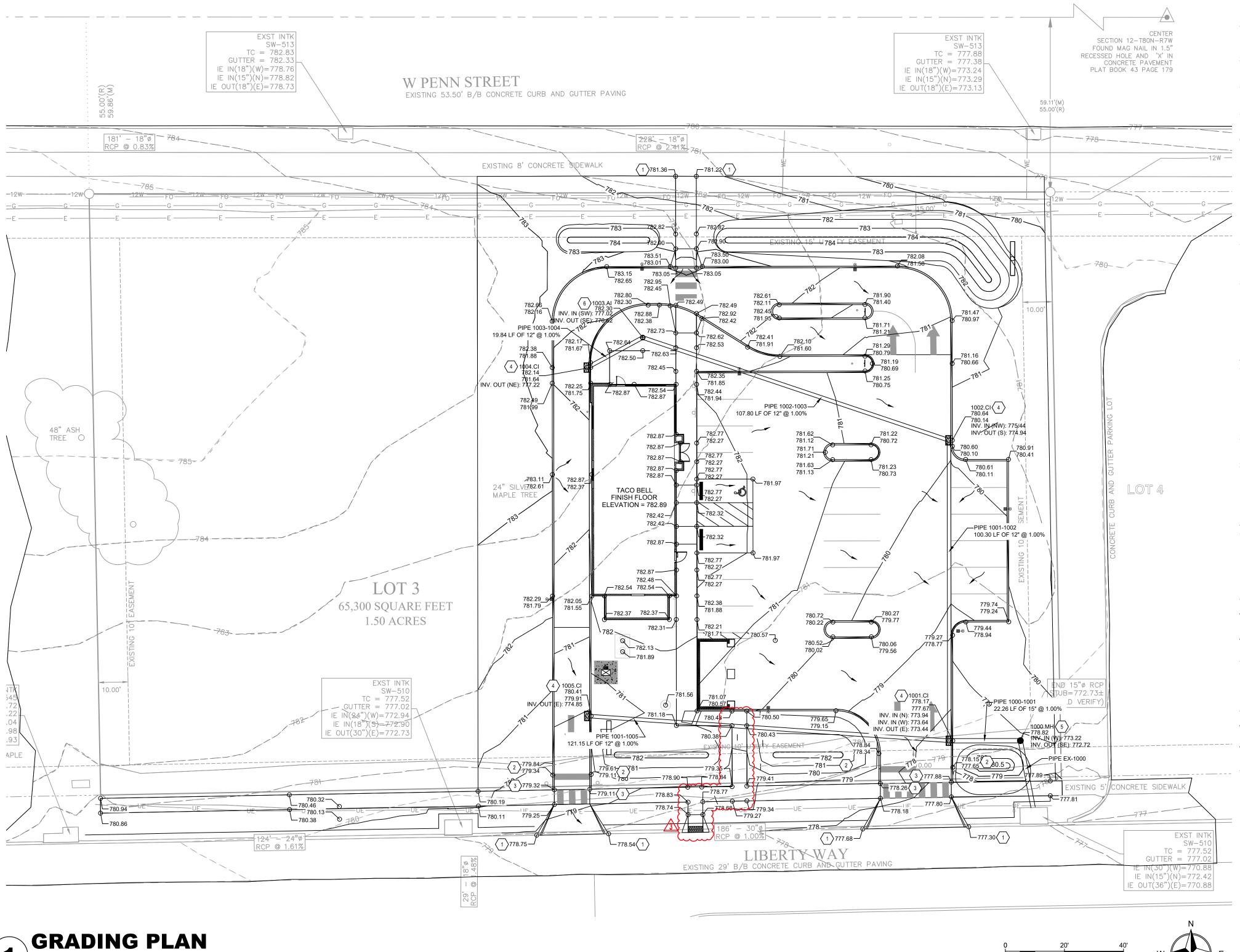
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CONTRACT DATE:	12.01.20
BUILDING TYPE:	END. MED
PLAN VERSION:	XX.XX.XX
SITE NUMBER:	XXXX
STORE NUMBER:	

TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



UTILITIES PLAN
C-104



GENERAL GRADING NOTES:

- CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT BEFORE STARTING CONSTRUCTION.
- 2. ALL PROPOSED CONTOUR LINES AND SPOT ELEVATIONS SHOWN ARE FINISH GROUND ELEVATIONS. CONTRACTOR SHALL ACCOUNT FOR PAVEMENT DEPTHS, BUILDING PADS, TOPSOIL, ETC. WHEN GRADING THE SITE.
- 3. ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED (GREEN SPACES) SHALL BE FINISH GRADED WITH A MINIMUM OF SIX INCHES OF TOPSOIL.
- 4. ALL EXCAVATIONS AND EMBANKMENTS SHALL COMPLY WITH THE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER.
- 5. FINISHED GRADES SHALL NOT BE STEEPER THAN 3:1, UNLESS NOTED OTHERWISE ON THE PLANS
- ALL SITE WORK FOR THIS PROJECT IS CONSIDERED "UNCLASSIFIED". THE TERM "UNCLASSIFIED" EXCAVATION SHALL BE DEFINED AS MEANING THE CONTRACTOR BEARS THE ENTIRE RISK OF THE SOIL QUANTITIES AND/OR TYPE (E.G. ROCK, CLAY, PEAT, SILT, SHALE, ETC.) ENCOUNTERED EITHER ABOVE OR BELOW PROPOSED SUBGRADES. IN THE EVENT IT BECOMES NECESSARY FOR UNSUITABLE SOIL TO BE HANDLED, REMOVED FROM THE SITE, OR FOR SUITABLE MATERIAL TO BE IMPORTED TO THE SITE, THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF SUCH ADDITIONAL WORK. "UNSUITABLE" SOIL ALSO INCLUDES SATURATED SOILS THAT MAY NEED REPLACING AND/OR TREATING IN ORDER TO MEET SCHEDULE DATES. THIS DEFINITION OF "UNCLASSIFIED" SUPERCEDES ANY CONTRARY DEFINITIONS OR STATEMENTS WHICH MAY BE CONTAINED IN SPECIFICATIONS, PLANS, OR OTHER DOCUMENTS.
- 7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS OF CONNECTION POINTS AS SHOWN ON GRADING PLANS. NOTIFY ENGINEER IF DISCREPANCY EXISTS FOR DIRECTION.
- 8. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. GRADING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE ADDITION OF THE TOPSOIL LAYER.

ADA NOTES

- 1. ANY AND ALL NEW SITE FEATURES SHOWN ON PLANS AND INTENDED TO BE "ADA ACCESSIBLE PATHS" SHALL BE BUILT IN COMPLIANCE TO CURRENT FEDERAL, STATE AND LOCAL ACCESSIBILITY RULES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO KNOW AND UNDERSTAND ALL CURRENT ACCESSIBILITY REGULATIONS AS THEY PERTAIN TO THE CONSTRUCTION OF ACCESSIBLE SITE FEATURES.
- 2. ALL NEW CONCRETE SIDEWALK PAVEMENT SHALL BE INSTALLED WITH A MAXIMUM 5% RUNNING SLOPE AND A MAXIMUM 2% CROSS SLOPE.
- 3. SURFACES OF ALL NEW CONCRETE PAVEMENT PATHWAYS SHALL BE SMOOTH AND EVEN WITH NO ABRUPT CHANGES IN ELEVATION OF 1/4" OR GREATER AS REQUIRED BY THE ACCESSIBILITY DESIGN REGULATIONS.

GENERAL STORMWATER NOTES

1. ALL PROPOSED STORMWATER PIPING SHALL BE HIGH DENSITY POLYETHYLENE (HDPP) DUAL WALL PIPE (ADS HP STORM OR APPROVED EQUAL) UNLESS NOTED OTHERWISE.

GRADING PLAN KEYNOTES

- 1 MATCH EXISTING ELEVATION (+ /). NOTIFY ENGINEER IF SIGNIFICANT GRADE DIFFERENCE
- 2 BEGIN TRANSITION FROM FULL 6" CURB TO FLUSH CURB.
- $\sqrt{3}$ FLUSH CURB.

STORMWATER PLAN KEYNOTES

- 4 PROPOSED 2' X 3' NYLOPLAST CURB INLET. REF: C-508
- PROPOSED 24" DIAMETER NYLOPLAST DRAIN BASIN W/ SOLID COVER. REF: C-508. CONTRACTOR TO FIELD VERIFY EXISTING PIPE STUB IN THIS VICINITY.
- 6 PROPOSED 24" DIAMETER NYLOPLAST DRAIN BASIN W/ DOME GRATE. REF: C-508.

LEGEND				
<u>-</u> 1289.00	SPOT ELEVATION			
- 1289.00 1288.50	TOP OF CURB ELEVATION FLOWLINE ELEVATION			
430 ——	PROPOSED MAJOR CONTOUR			
 429 	PROPOSED MINOR CONTOUR			
— · 430 · — —	EXISTING CONTOUR			
	FLOWLINE ARROW			
	PROPOSED STORM SEWER			
	PROPOSED CURB INLET			
	PROPOSED STORMWATER MANHOLE			
\oplus	PROPOSED AREA INLET			





21678R21001

12/2/1/2021 RESPONSE	TO COMMENT
2 01/18/2022 RESPONSE	TO COMMENT
3 01/19/2022 RESPONSE	TO COMMENT
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX

TACO BELL

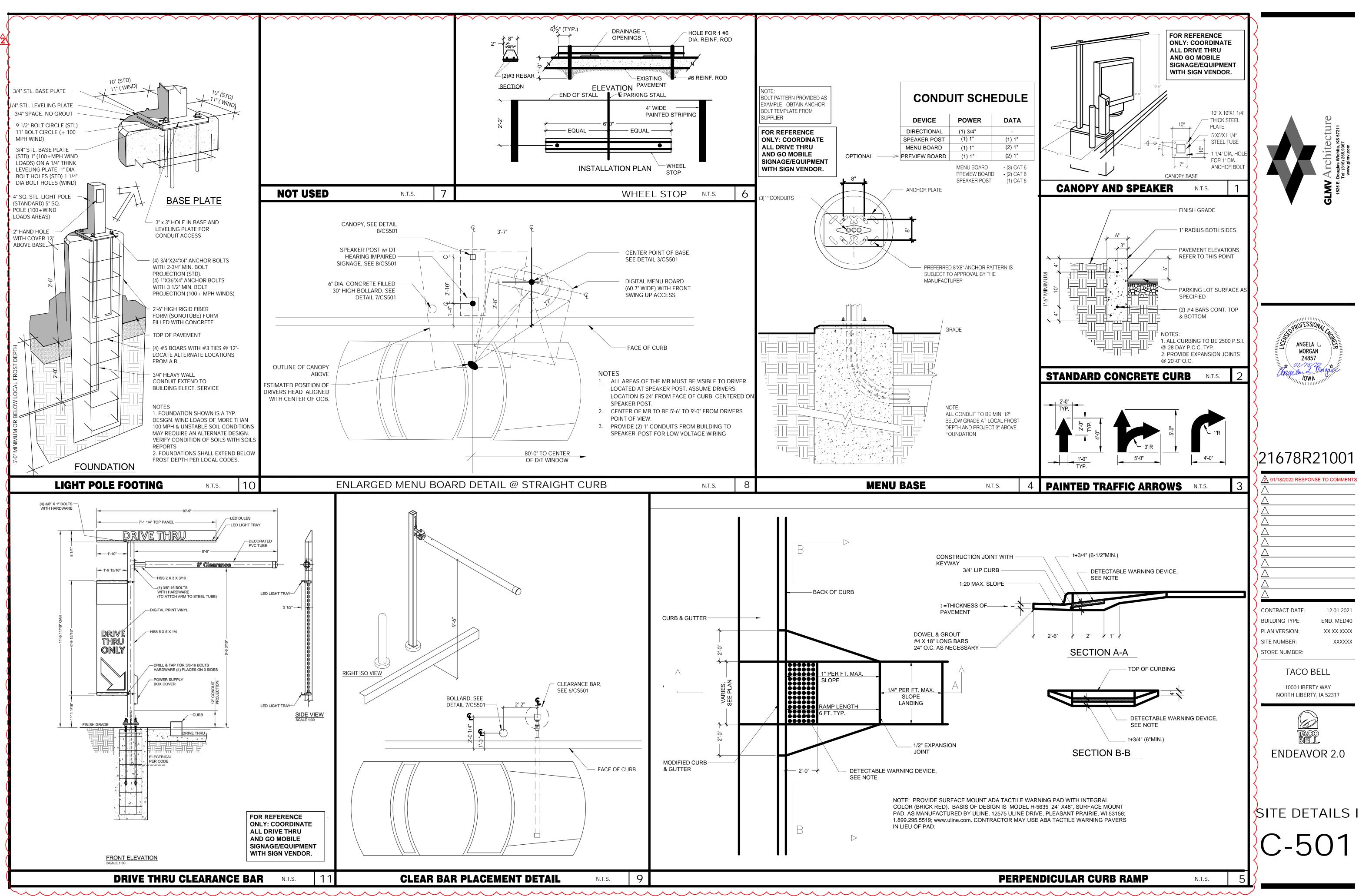
1000 LIBERTY WAY NORTH LIBERTY, IA 52317

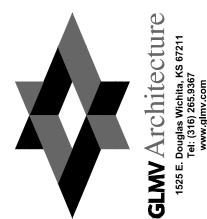
SITE NUMBER: STORE NUMBER:



ENDEAVOR 2.0

GRADING PLAN
C-105

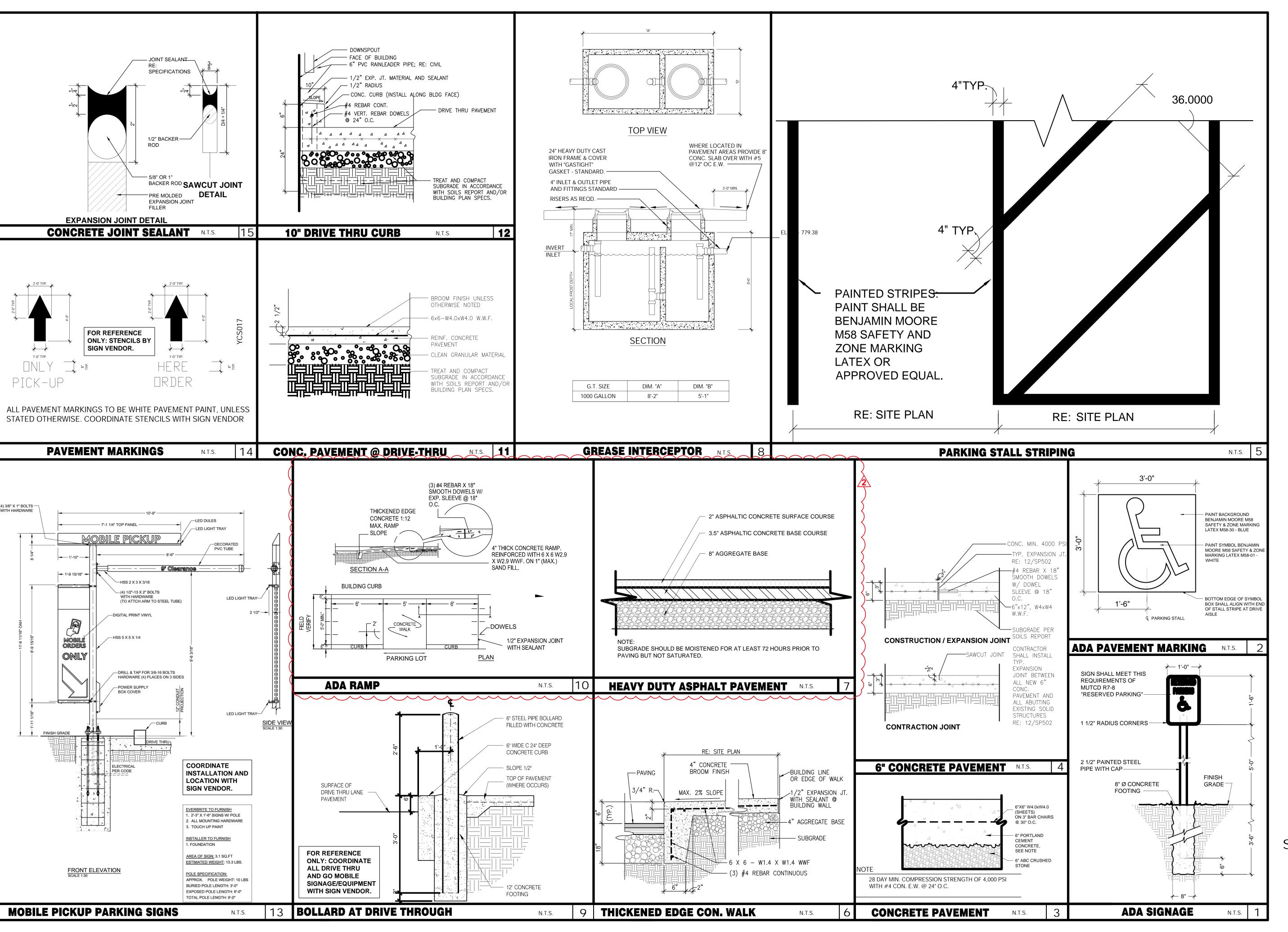






01/18/2022 RESPONSE TO COMMENTS 12.01.2021 END. MED40 XX.XX.XXXX XXXXXX TACO BELL

NORTH LIBERTY, IA 52317







2 01/18/2022 RESPON	NSE TO COMMENTS
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CONTRACT DATE	12.01.2021
CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX

TACO BELL

XXXXXX

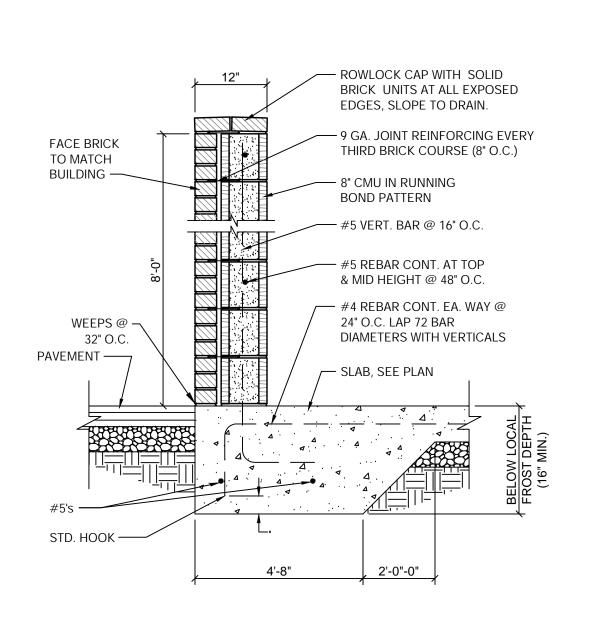
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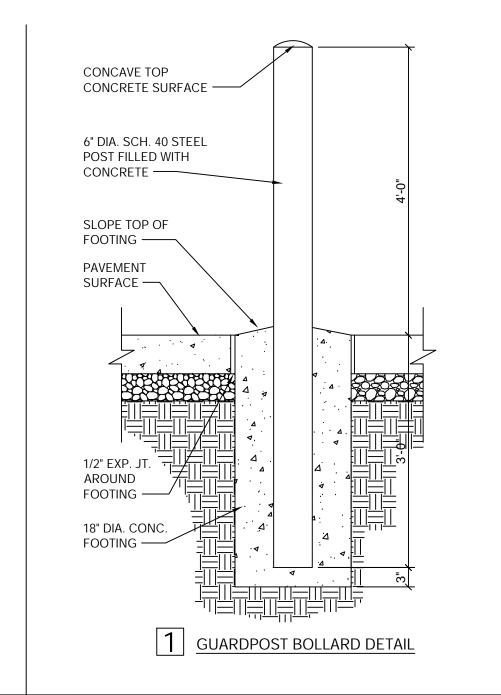
STORE NUMBER:

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



SITE DETAILS II





SECTION @ WALL ENCLOSURE WALL No Scale

BOLLARD DETAILS No Scale

GATE HARDWARE: ALL HARDWARE AND ACCESSORIES SHALL BE HEAVY GALVANIZED.

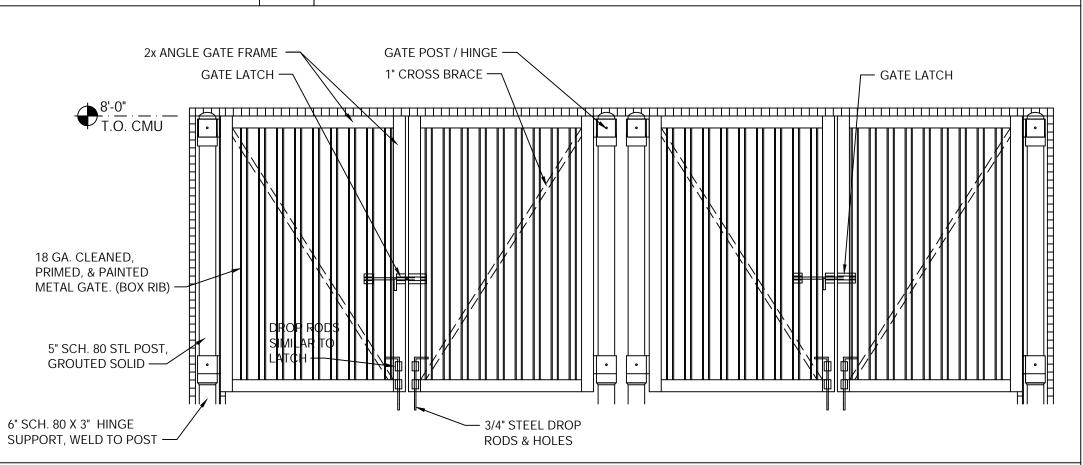
GATE STOP: MUSHROOM TYPE OR FLUSH PLATE WITH ANCHORS SET IN CONCRETE TO ENGAGE THE CENTER DROP ROD OR PLUNGER BAR.

GATE NOTES: (4) EQUAL WIDE X 7'-8" HIGH MTL. GATES, TYPE 'B' 1 1/2" DECKING, 22GA. W/ T.S. 1 X .1875 BAR CROSS BRACING WELD AND GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL COMPONENTS.

ENCLOSURE NOTES No Scale

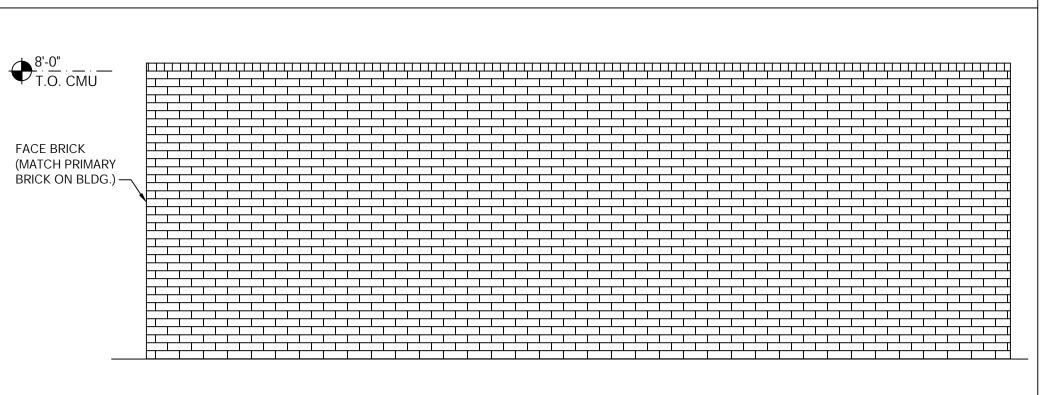
_					
	SYMBOL	AREA	MANUFACTURER	COLOR	
	1	GATE COLOR	SHERWIN WILLIAMS	REFER TO ARCH DWGS	
	2	BRICK	ACME	REFER TO ARCH DWGS	
	3	PIPE BOLLARDS	SHERWIN WILLIAMS	REFER TO ARCH DWGS	
		<u>NOTE</u> : PAINT CMU TO MATCH BRICK			

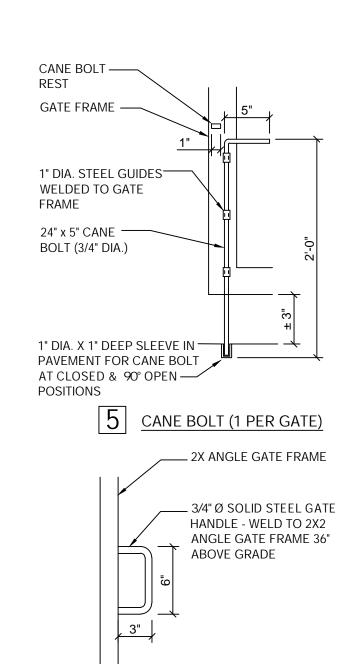
SCHEDULE No Scale

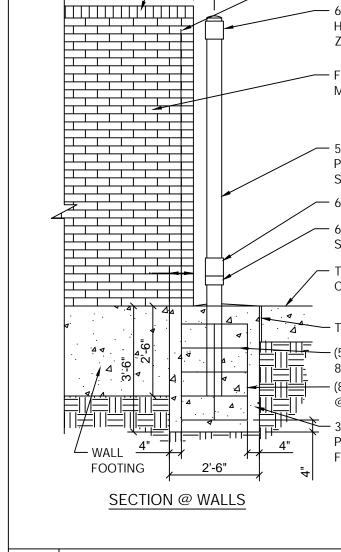


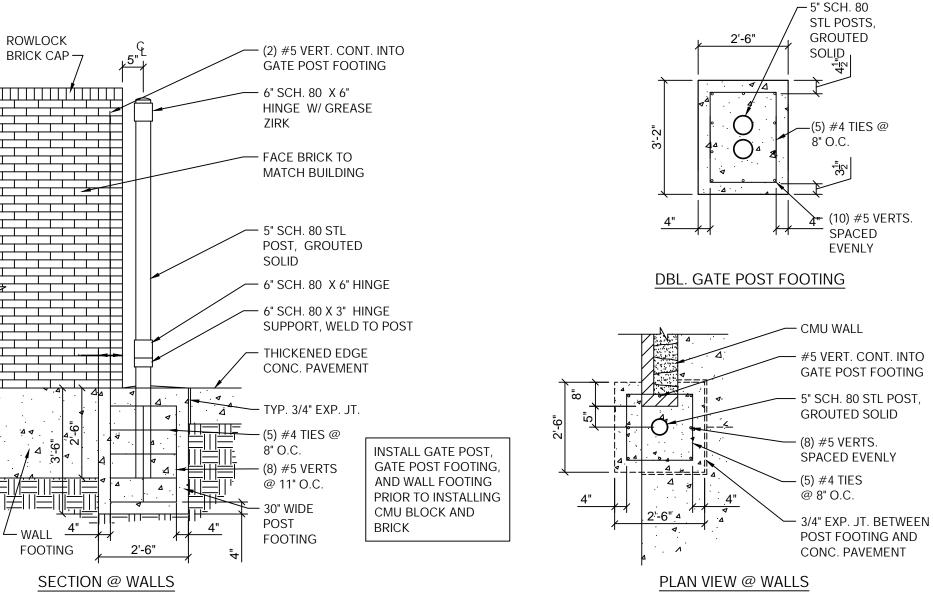
FRONT ELEVATION

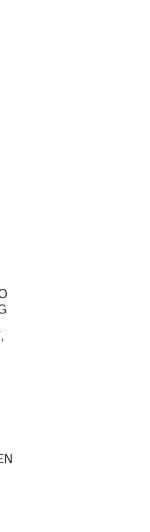
No Scale





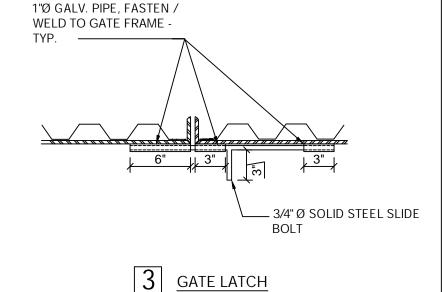




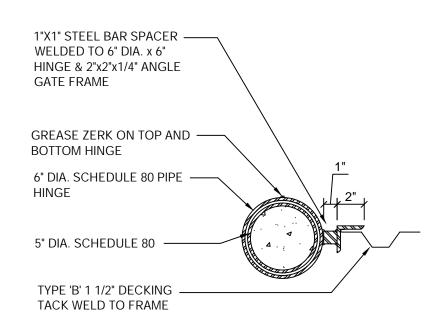


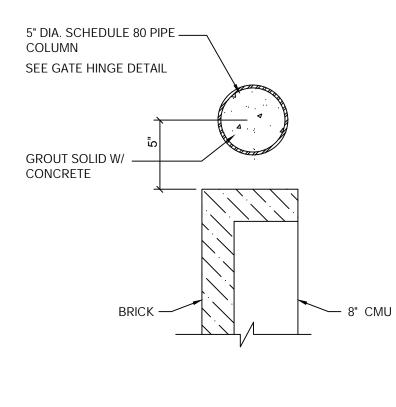
MORGAN

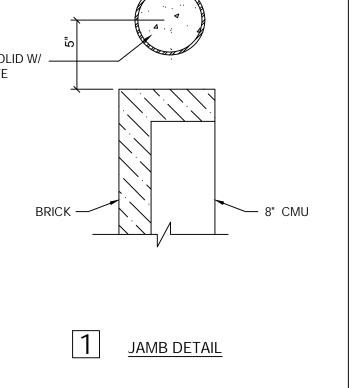
GATE POST FOOTINGS No Scale



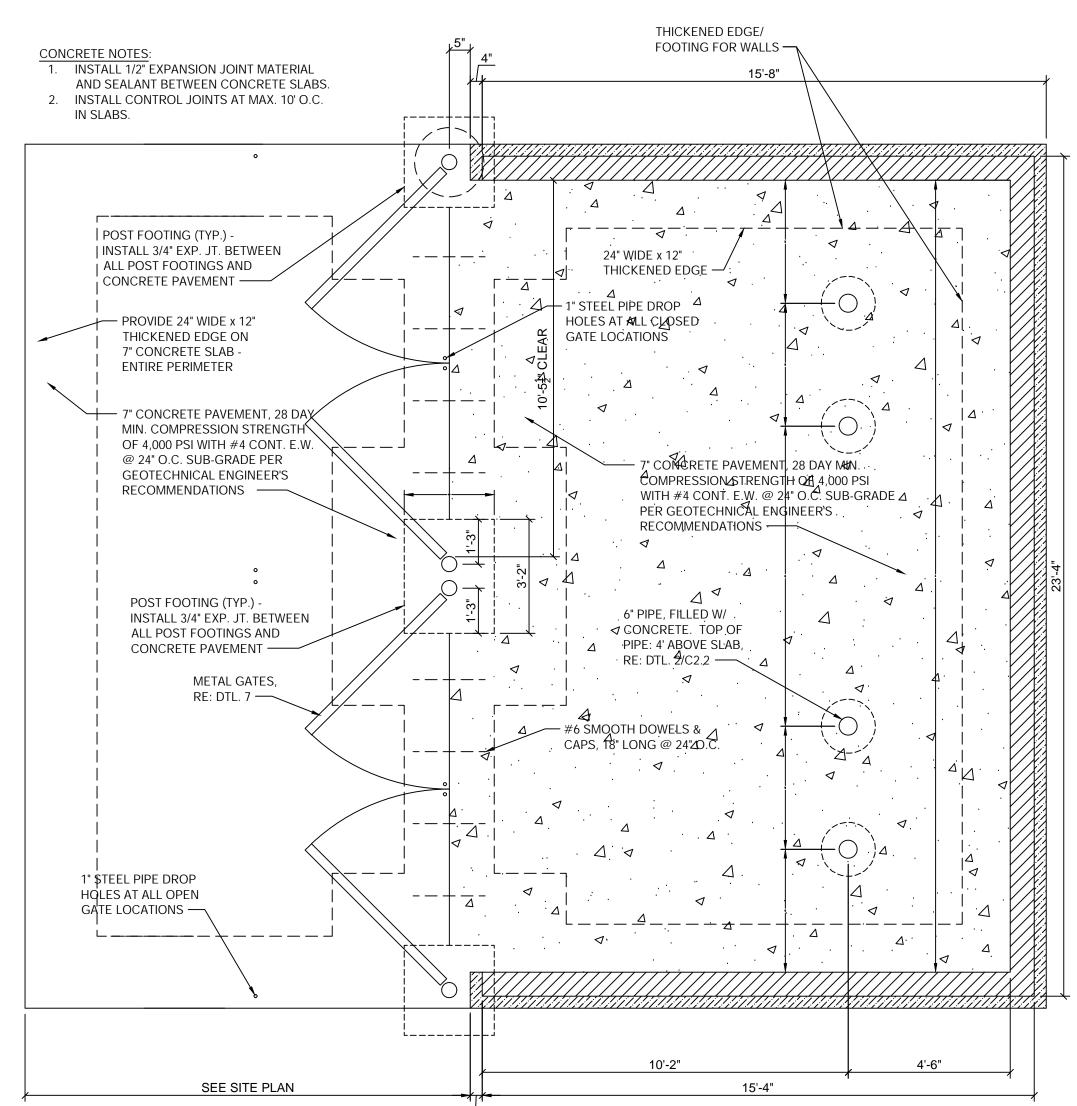
4 GATE HANDLE







GATE HINGE DETAIL



21678R2100

CONTRACT DATE:

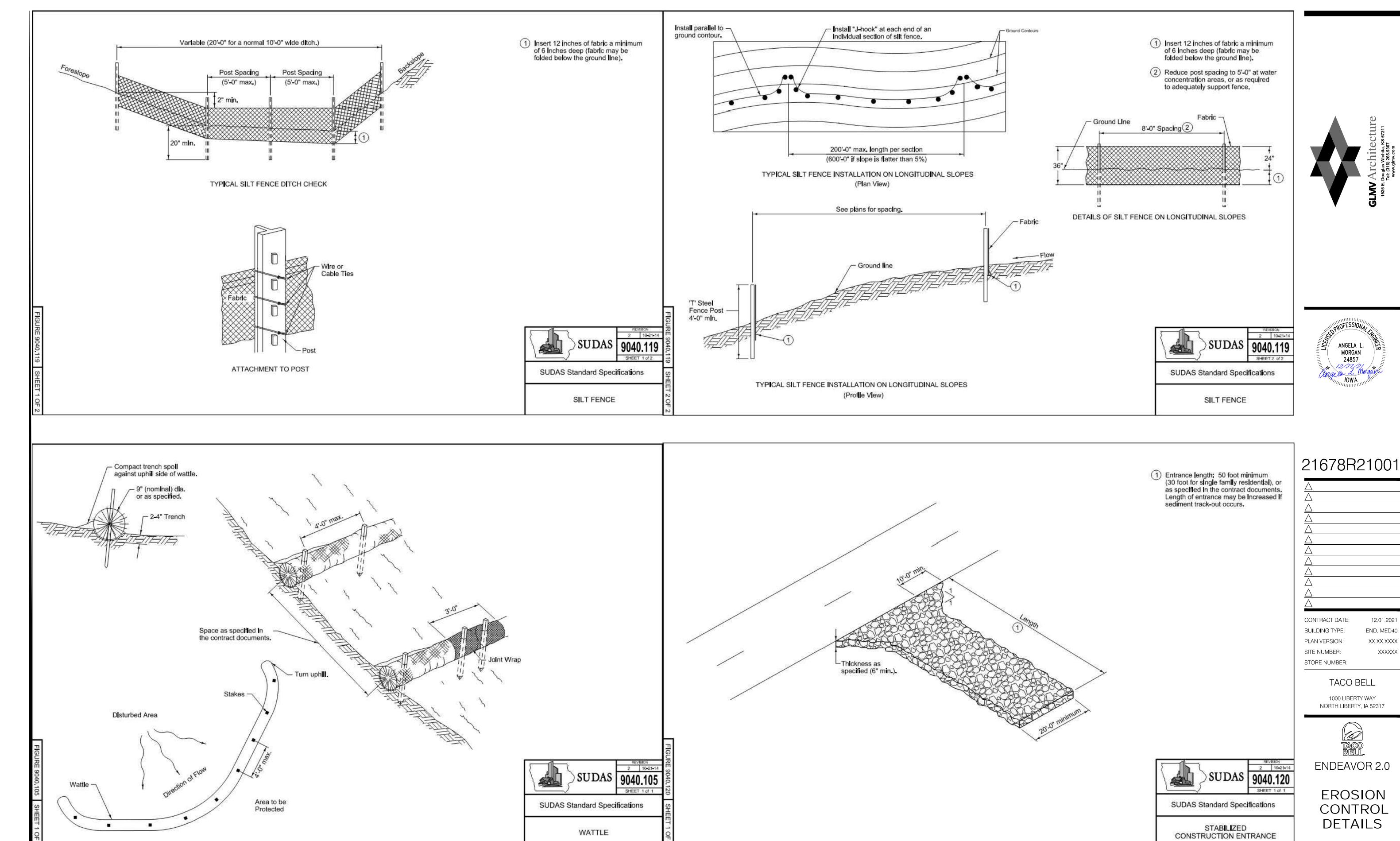
BUILDING TYPE: END. MED4 PLAN VERSION: XX.XX.XXXSITE NUMBER: STORE NUMBER:

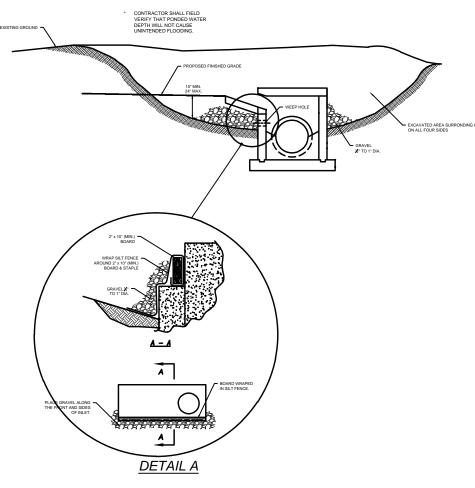
> TACO BELL 1000 LIBERTY WAY NORTH LIBERTY, IA 52317

ENDEAVOR 2.0

DUMPSTER **ENCLOSURE** DETAILS

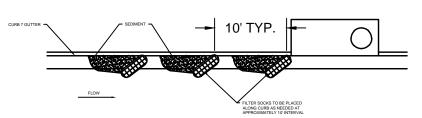
GATE DETAILS



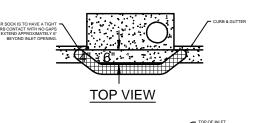


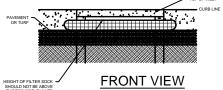
EARLY STAGE CURB INLET (OPEN BOX AND PRIOR TO POURING CURB AND INLET THROAT)

- 1. IMMEDIATELY FOLLOWING INLET CONSTRUCTION AND PRIOR TO CONSTRUCTION OF CURB AND INLET THROAT, PROTECT INLET OPENING BY INSTALLING 2" x 10" (MIN.) BOARD WRAPPED IN SILT FENCE. STRUCTURES SHALL HAVE EXCAVATED STORAGE AREA ON ALL FOUR SIDES TO ALLOW SETTLING OF SEDIMENT (EARLY STAGE CURB INLET).
- 2. WHEN INLET IS COMPLETED AND CURB POURED, FILTER SOCKS OR APPROVED EQUAL SHOULD BE USED (LATE STAGE CURB INLET). STRAW WATTLES ARE NOT APPROVED FOR CURB INLET USE.
- 3. CONTRACTOR TO FIELD VERIFY PONDING WATER SHALL NOT CREATE A TRAFFIC HAZARD.



ON GRADE CURB INLET PROTECTION





LATE STAGE CURB INLET

SUMP INLET SEDIMENT FILTER

(AFTER POURING CURB AND INLET THROAT)

MAINTENANCE:

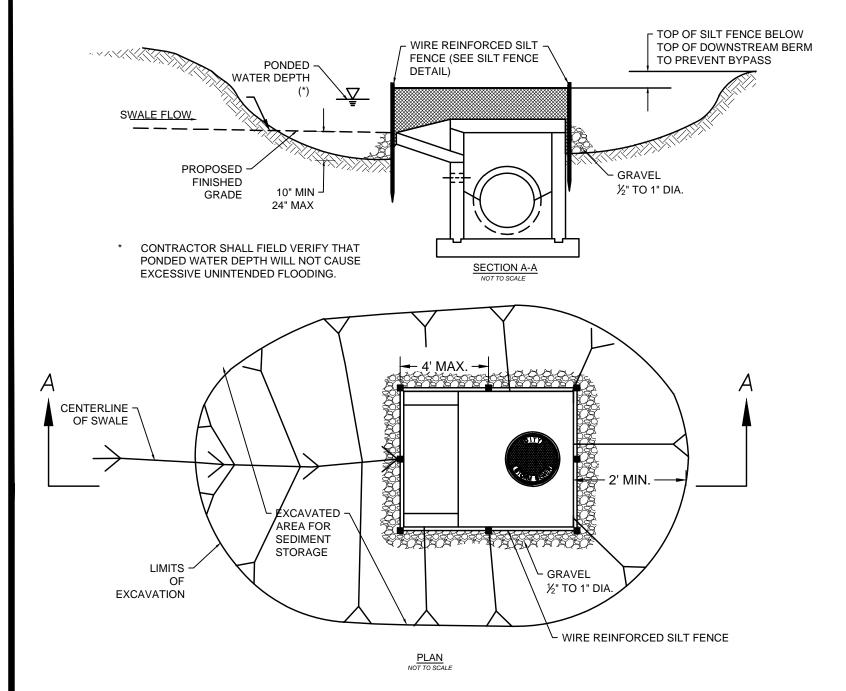
- 1. REMOVE DEPOSITED SEDIMENT FROM EXCAVATED STORAGE AREAS WHEN AVAILABLE STORAGE HAS REDUCED BY 20%.
- 2. REMOVE DEPOSITED SEDIMENT FROM FILTER SOCKS OR SIMILAR WHEN ANY ACCUMULATION OF SEDIMENT IS VISIBLE.
- 3. REPAIR OR REPLACE AS NECESSARY TO MAINTAIN FUNCTION AND INTEGRITY OF INSTALLATION.

PLACE BIODEGRADABLE LOG, STAKED WATTLES OR OTHER APPROVED SEDIMENT CONTROL DEVICE IN FRONT OF EACH INLET OPENING.(NOT

TOP OF INLET

TO BE PLACED IN THROAT OF INLET).

CURB INLET PROTECTION



EARLY STAGE AREA INLET (ALL OPEN BOXES AND INLETS NOT AT FINAL GRADE)

- 1. REMOVE DEPOSITED SEDIMENT FROM EXCAVATED STORAGE AREAS WHEN AVAILABLE STORAGE HAS REDUCED BY 20%.
- 2. REMOVE DEPOSITED SEDIMENT FROM FILTER SOCKS OR SIMILAR WHEN ANY
- ACCUMULATION OF SEDIMENT IS VISIBLE.
- 3. REPAIR OR REPLACE AS NECESSARY TO MAINTAIN FUNCTION AND INTEGRITY OF INSTALLATION.

- 1. EARLY STAGE AREA INLET SEDIMENT BARRIER TO BE INSTALLED IMMEDIATELY
- AFTER INLET OR JUNCTION BOX IS CONSTRUCTED.

- FINAL STABILIZED

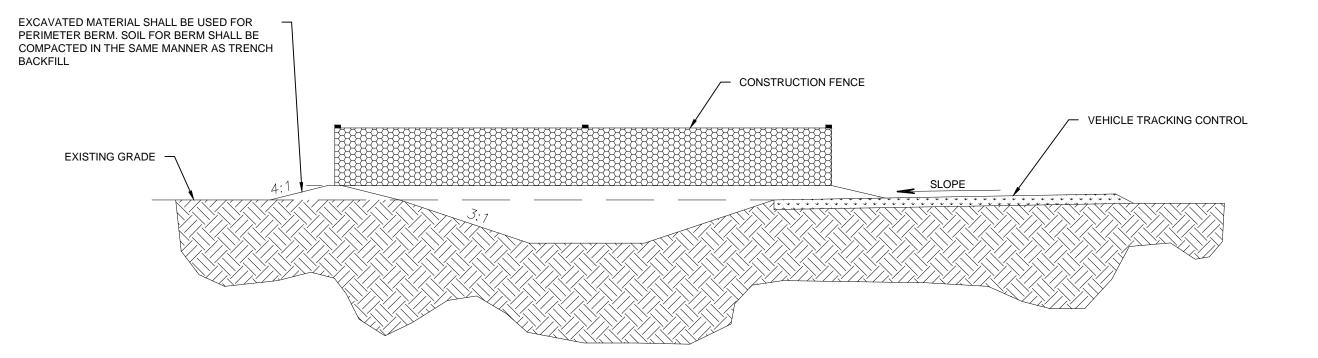
GRADE

- 2. SILT FENCE SHALL REMAIN IN PLACE UNTIL EXCAVATED AREA IS REMOVED AND
- LATE STAGE AREA INLET IS BEING INSTALLED. 3. BACKFILL EXCAVATED AREA ONLY AFTER FINAL GRADING OF THE SITE.
- STABILIZATION OF THE SITE IS TO IMMEDIATELY FOLLOW. 4. WIRE REINFORCED SILT FENCE MAY BE USED IN PLACE OF SILT FENCE ATTACHED TO WOOD FRAME.

FRONT VIEW

LATE STAGE CURB INLET (AREA INLETS AT FINAL GRADE AND EXISTING INLETS)

3 AREA INLET PROTECTION N.T.S



NOTE FOR CONCRETE WASHOUT:

- 1. CONCRETE WASHOUT AREAS SHALL BE INSTALL PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- 2. CONCRETE WASHOUT AREA SHALL INCLUDE A FLAT SUBSURFACE PIT SIZED RELATIVE TO THE AMOUNT OF CONCRETE TO BE PLACED ON SITE. THE SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1. THE VEHICLE TRACKING PAD SHALL BE SLOPED TOWARDS THE CONCRETE WASHOUT AREA.
- 3. VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT TO ALL CONCRETE WASHOUT AREAS.
- 4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION SITE ENTRANCE, WASHOUT AREA AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION(S) OF THE CONCRETE WASHOUT AREA(S) TO OPERATORS OF CONCRETE TRUCK AND PUMP RIGS.
- 5. A ONE-PIECE IMPERVIOUS LINER IS REQUIRED ALONG THE BOTTOM AND SIDES OF THE SUBSURFACE PIT IN SANDY OR GRAVELLY SOILS.

MAINTENANCE FOR CONCRETE WASHOUT:

- 1. CONCRETE WASHOUT MATERIALS SHALL BE REMOVED ONCE THE MATERIALS HAVE FILLED THE WASHOUT TO APPROXIMATELY 75% FULL.
- 2. CONCRETE WASHOUT AREA SHALL BE ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
- 3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
- 4. CONCRETE WASHOUT AREAS SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- 5. WHEN CONCRETE WASHOUT AREAS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL AND TOPSOIL, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CONCRETE WASHOUT AREAS SHALL BE STABILIZED.







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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX

TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317

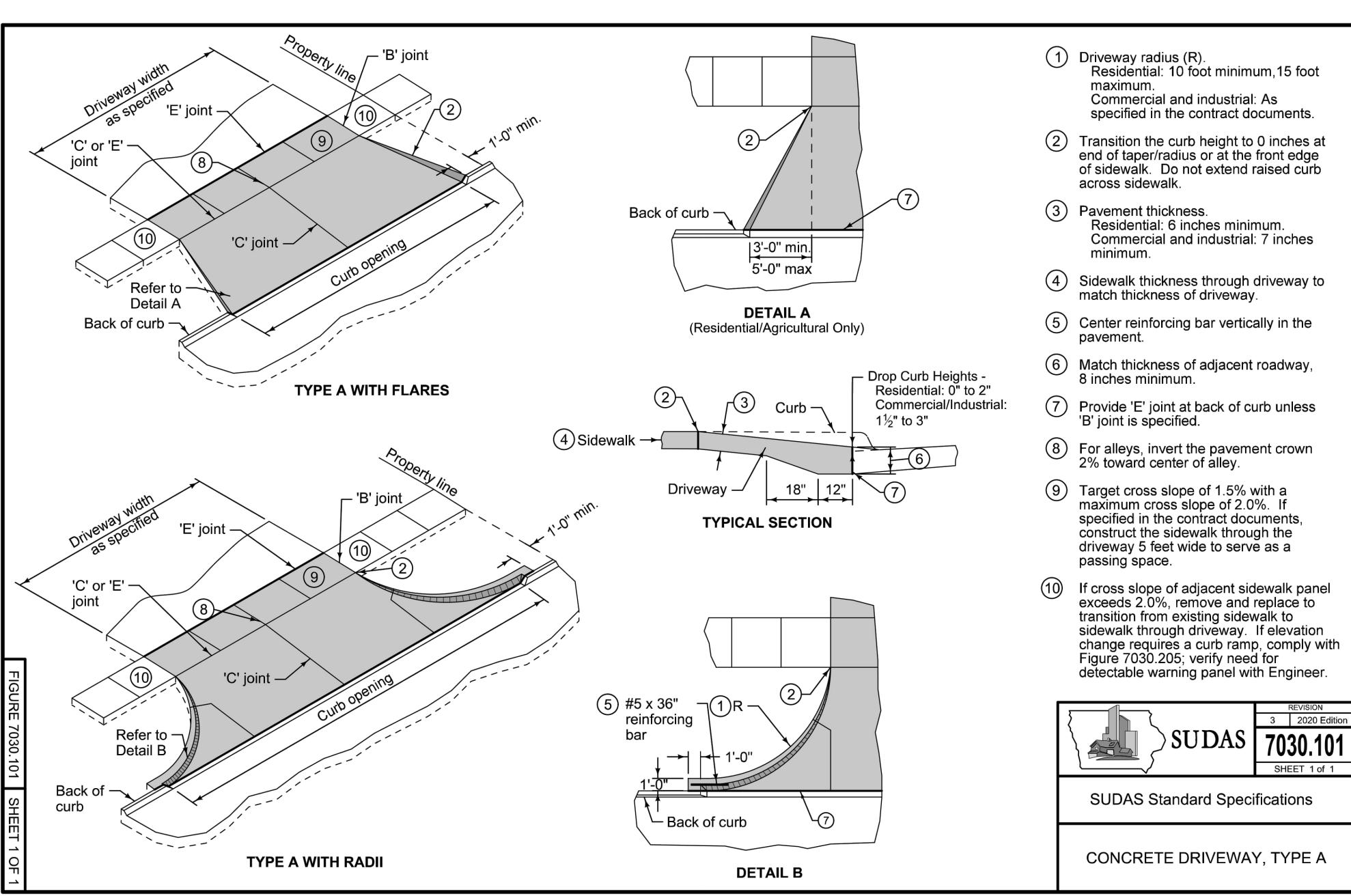
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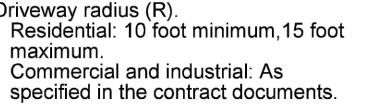
STORE NUMBER:



ENDEAVOR 2.0

EROSION CONTROL DETAILS-2











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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40

PLAN VERSION: SITE NUMBER:

STORE NUMBER:

TACO BELL

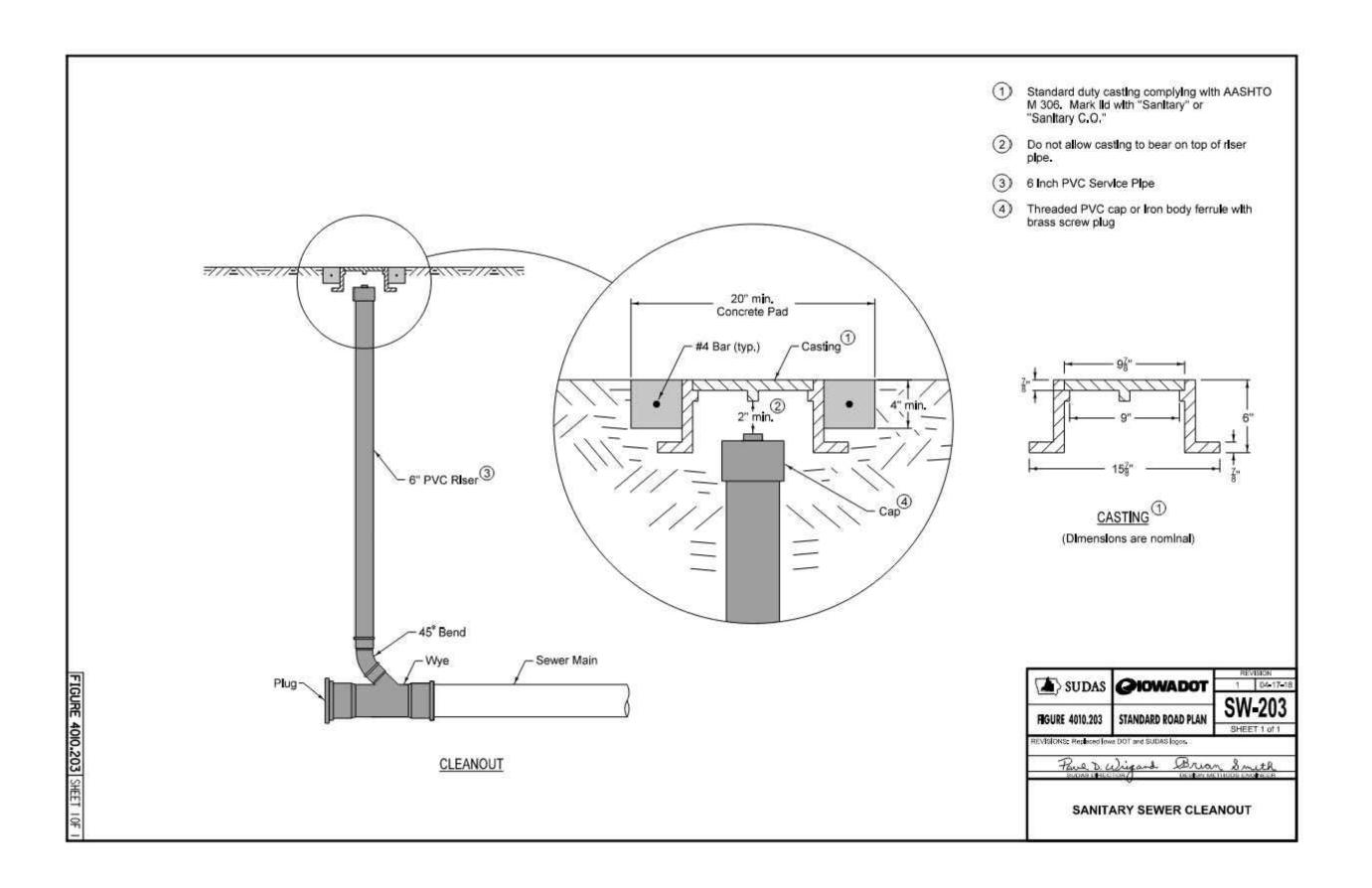
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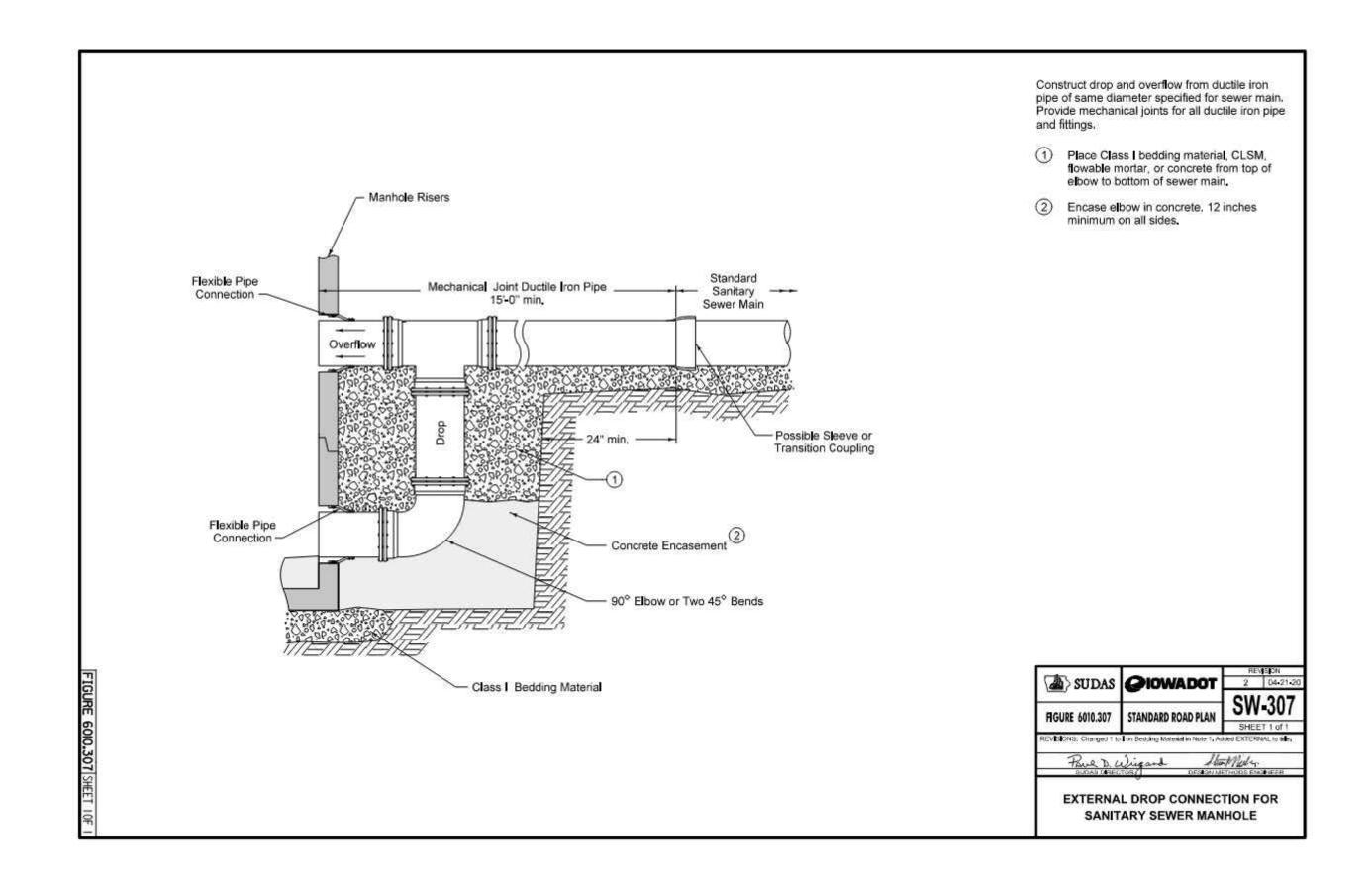
1000 LIBERTY WAY NORTH LIBERTY, IA 52317



CONCRETE DRIVEWAY

DETAILS









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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX

TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317

STORE NUMBER:



UTILITY DETAILS

Section 2721

Engineered Surface Drainage Products

GENERAL

PVC surface drainage inlets shall include the drain basin type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

MATERIALS

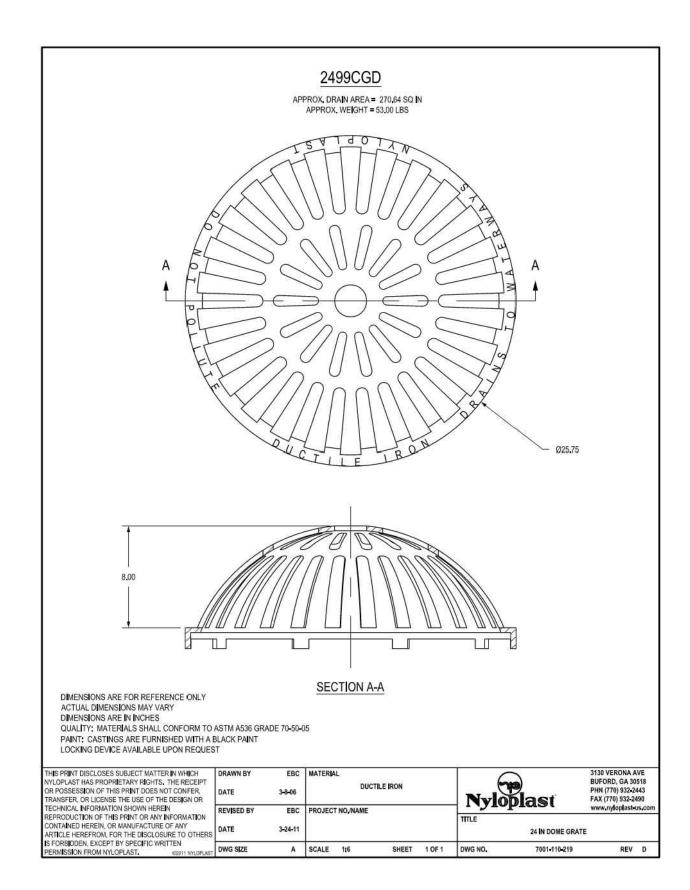
The drain basins required for this contract shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to <u>ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals</u>. The flexible elastomeric seals shall conform to <u>ASTM F477</u>. The pipe bell spigot shall be joined to the main body of the drain basin or catch basin. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to <u>ASTM D1784 cell class 12454</u>.

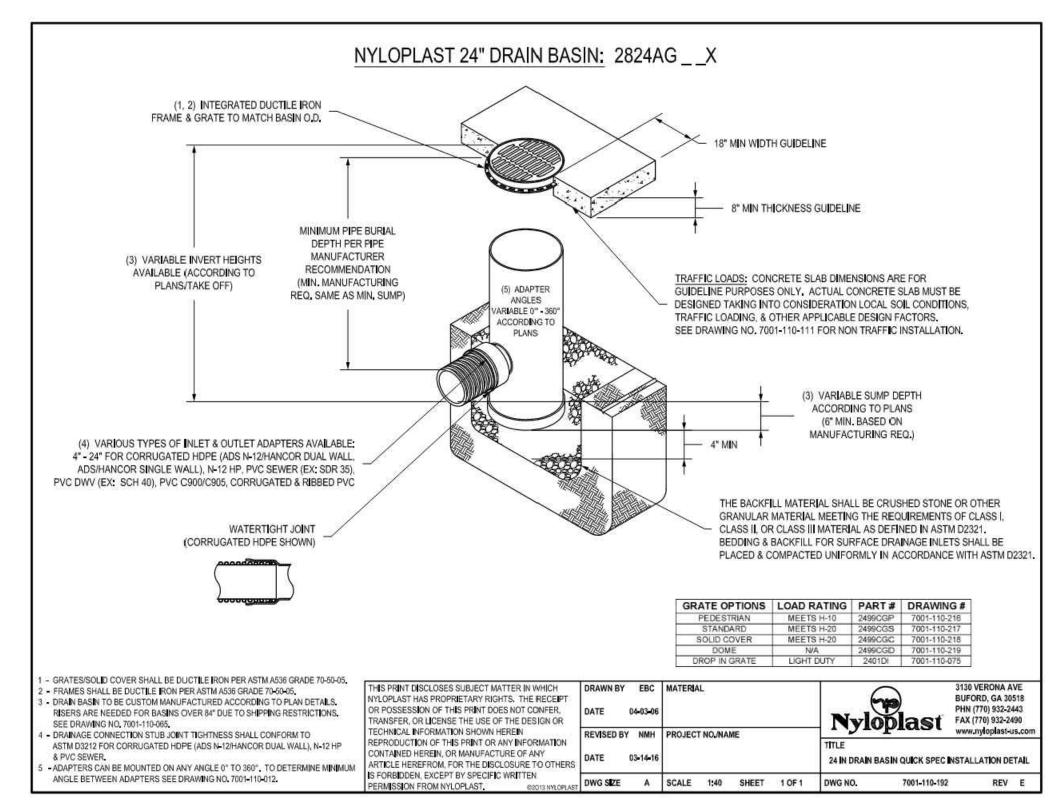
The grates and frames furnished for all surface drainage inlets shall be ductile iron for structure sizes 8", 10", 12", 15", 18", 24", 30" and 36" and shall be made specifically for each basin so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for drain basins shall be capable of supporting various wheel loads as specified by Nyloplast. 12" and 15" square grates will be hinged to the frame using pins. Ductile iron used in the manufacture of the castings shall conform to <u>ASTM A536 grade 70-50-05</u>. Grates and covers shall be provided painted black.

INSTALLATION

The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in <u>ASTM D2321</u>. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with <u>ASTM D2321</u>. The drain basin body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For load rated installations, a concrete slab shall be poured under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to <u>ASTM D2321</u> guidelines.

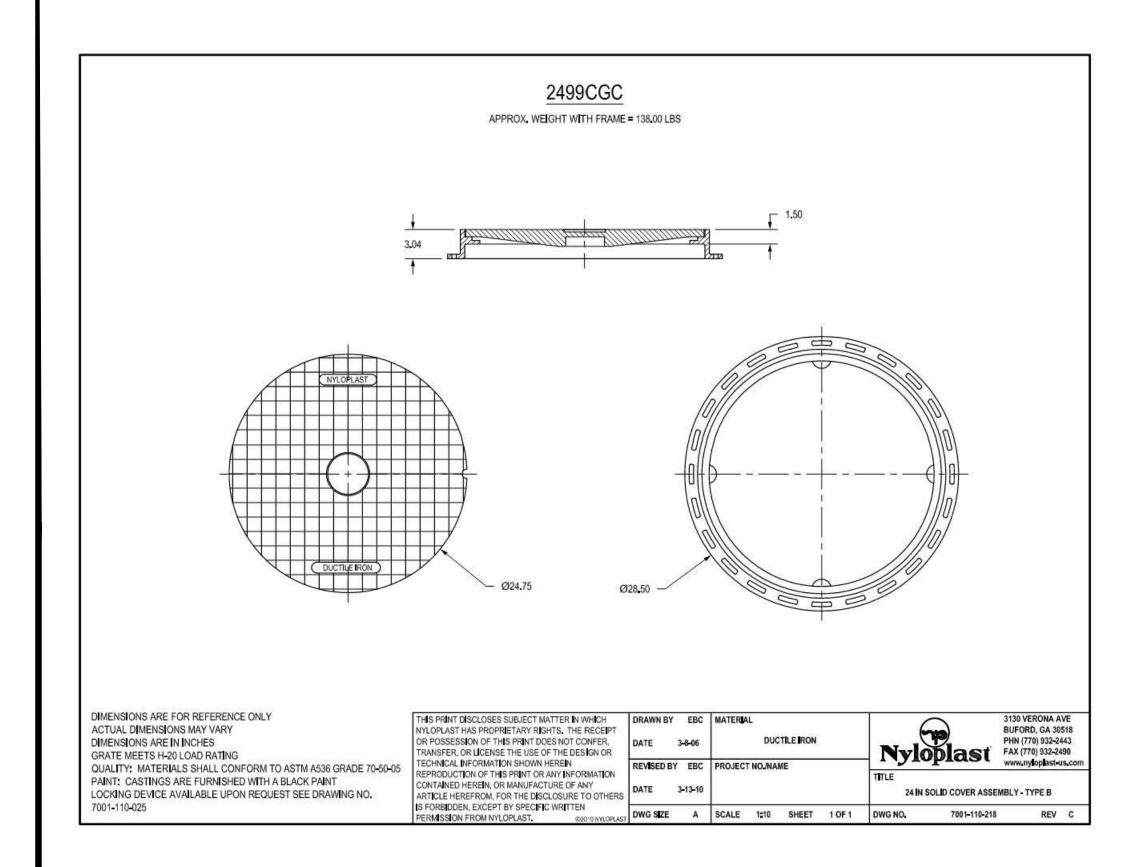
THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR	DRAWN BY	CJA 3-10-00	MATERIAL			Nyloplast		3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490		
TECHNICAL INFORMATION SHOWN HEREIN REPRODUCTION OF THIS PRINT OR ANY INFORMATION	REVISED B	Y NMH	PROJECT	NO/NA	ME			prusi	www.nyloplast-u	s.com
CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS	DATE	02-21-18				TITLE 8 IN - 36 IN DRAIN BASIN SPECIFICATIONS				
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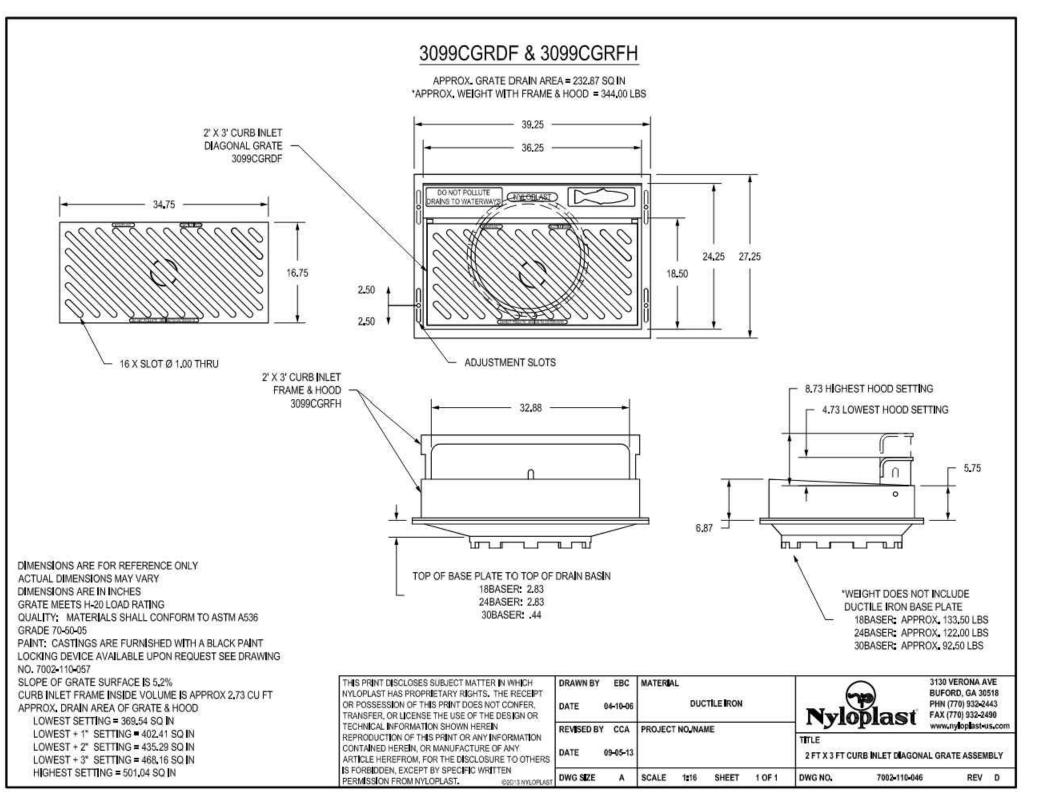












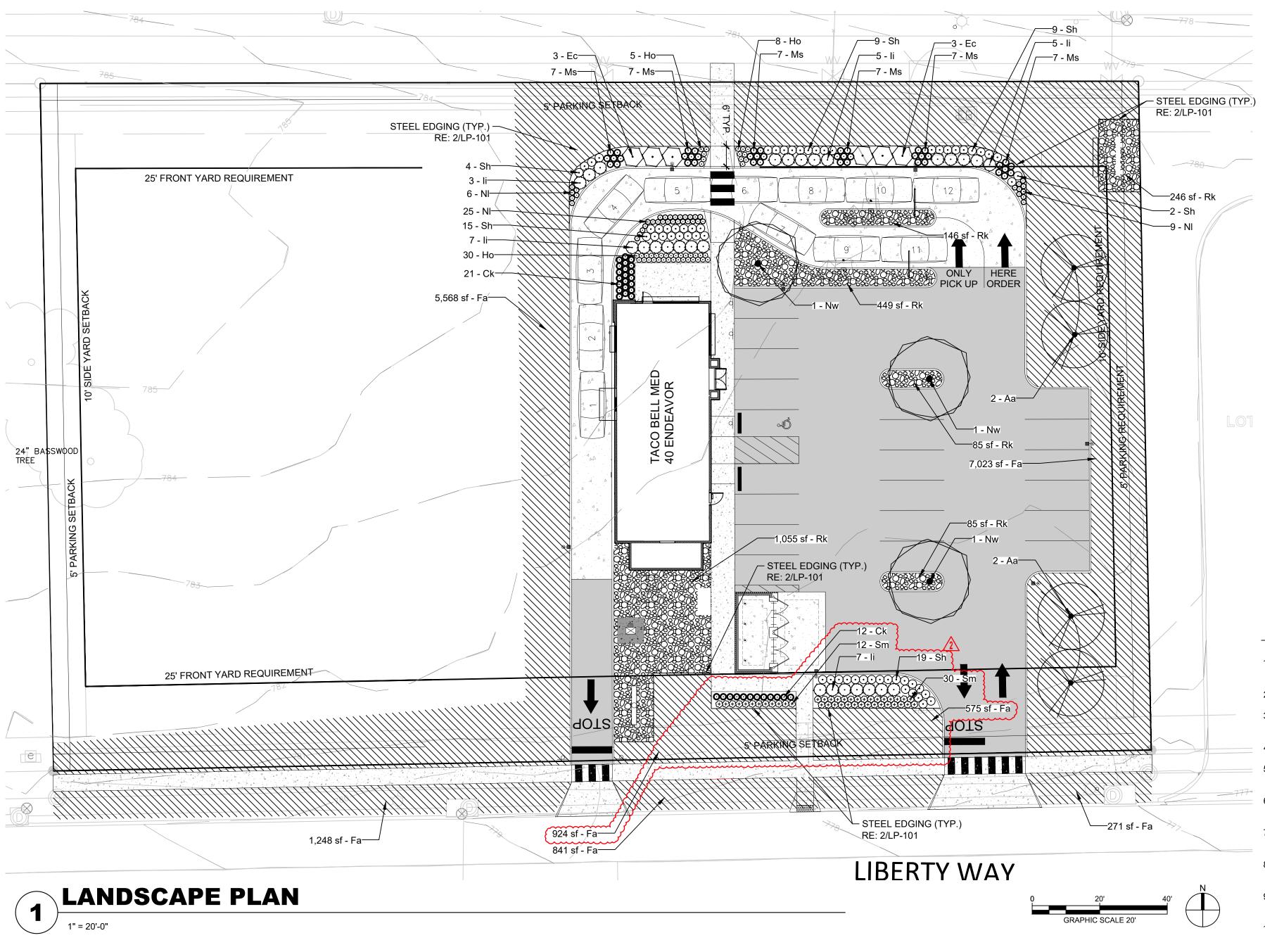
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CONTRACT DATE:	12.01.202
BUILDING TYPE:	END. MED4
PLAN VERSION:	XX.XX.XXX
SITE NUMBER:	XXXXX
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WATER DETAILS

STORM

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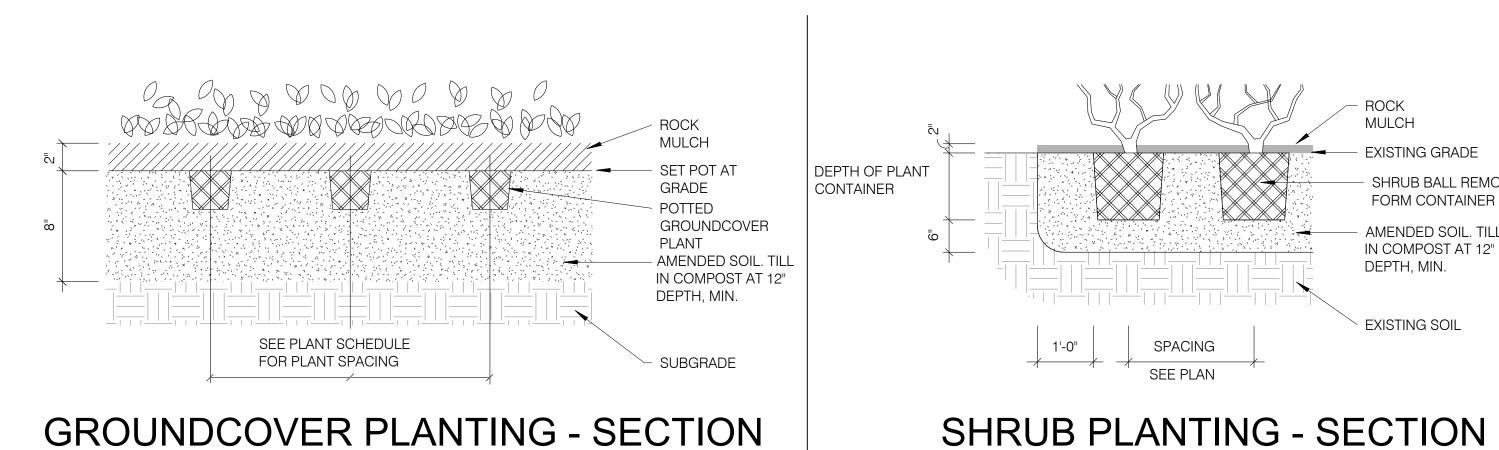


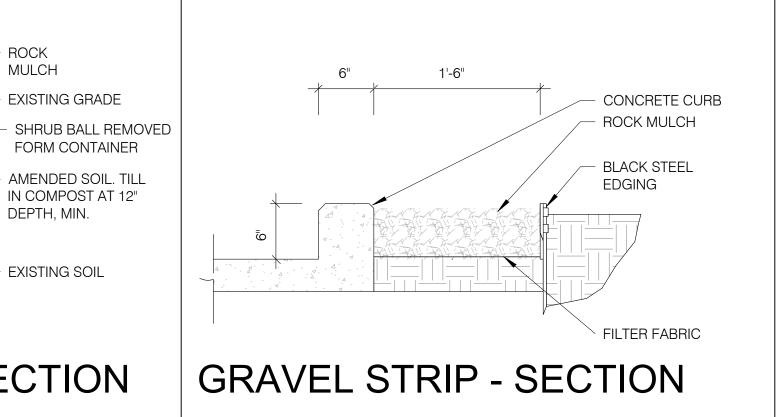
PLANT SCHEDULE

FLAIVI 30						
TREES	CODE	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	CONT	SIZE
	Aa	4	Amelanchier arborea	Downy Serviceberry	B & B	1.5"
	Nw	3	Nyssa sylvatica `Wildfire`	Black Gum	B & B	1.5"
SHRUBS	CODE	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	CONT.	SIZE
$\langle \cdot \rangle$	Ec	6	Euonymus alatus `Compactus` 72" on center	Compact Burning Bush	3 gal.	
\odot	li	27	llex glabra 'Compacta' 48" on center	Compact Inkberry	3 gal	
GRASSES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE
STANDARY OF THE STANDARY OF TH	Ck	33	Calamagrostis x acutiflora 'Karl Foerster' 24" on center	Karl Foerster Feather Reed Grass	3 gal	
A CONTRACTOR OF THE CONTRACTOR	Ms	42	Miscanthus sinensis `Adagio` 24" on center	Adagio Eulalia Grass	1 gal	
\odot	Sh	58	Sporobolus heterolepis 30" on center	Prairie Dropseed	1 gal.	
PERENNIALS	CODE	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	CONT.	SIZE
\odot	Но	43	Hemerocallis x 'Stella de Oro' 18" on center	Stella de Oro Daylily	1 gal	
\odot	NI	40	Nepeta x 'Psfike' TM 18" on center	Little Trudy Catmint	1 gal	
+	Sm	42	Salvia nemorosa `May Night` 24" at center	May Night Sage	1 gal	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	<u>TYPE</u>	
	Fa	35,915 sf	Festuca arundinacea	Tall Fescue	sod	
2000 0880 0880 2000 2000 2000 2000 2000	Rk	2,075 sf	Rock Mulch	River Rock	3" aggregate	

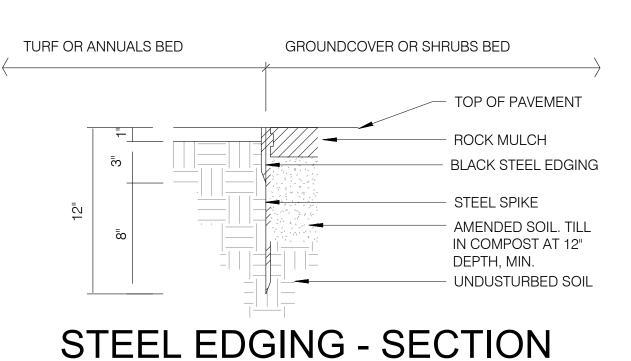
PLANTING NOTES

- NO SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OWNER'S APPROVAL. QUANTITIES IN THE PLANT LIST ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY.
- THE PLANTING BEDS RECEIVING ROCK MULCH SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE
- ANY PLANTING BEDS (NEW OR EXISTING) ADJACENT TO WALKS OR CURBING SHALL HAVE THE GRADE LOWERED TO A SUFFICIENT DEPTH (3") TO ALLOW THE TOP OF THE MULCH TO MATCH THE TOP OF WALK OR CURBING.
- EDGING SHALL BE BLACK STEEL, OR OWNER APPROVED EQUAL. INSTALL STAKES IN ACCORDANCE WITH MANUFACTURER'S
- 8. DO NOT GRADE PLANTING BEDS WITH STEEP, ABRUPT SLOPES DOWN TO EDGING OR CONCRETE EDGES. ALL PLANTING BEDS SHALL HAVE
- ROCK MULCH SHALL BE LOCALLY SOURCED RIVER ROCK 1-3 INCH DIAMETER. CONTRACTOR SHALL SUBMIT A SAMPLE TO OWNER FOR APPROVAL. DEPTH OF ROCK MULCH THROUGHOUT LANDSCAPE BEDS SHALL BE A CONSISTENT 3-4".
- 10. CONTRACTOR SHALL REPAIR/MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED TO PROPERLY WATER REVISED AND EXISTING LANDSCAPE AREAS.
- 11. ALL LANDSCAPE BEDS WITH NEW PLANTS SHALL BE REVISED TO PROPERLY IRRIGATE EACH PLANT.
- 12. FOR SHRUB, GROUNDCOVER, STEEL EDGING, AND GRAVEL STRIP DETAILS, RE: 2/LP-101
- 13. FOR TREE INSTALLATION DETAILS, RE: 2/LI-101

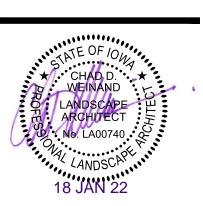




EXISTING GRADE







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01/18/2022 RESPONSE TO COMMENT

CONTRACT DATE: END. MED40 BUILDING TYPE XX.XX.XXX PLAN VERSION: SITE NUMBER: STORE NUMBER:

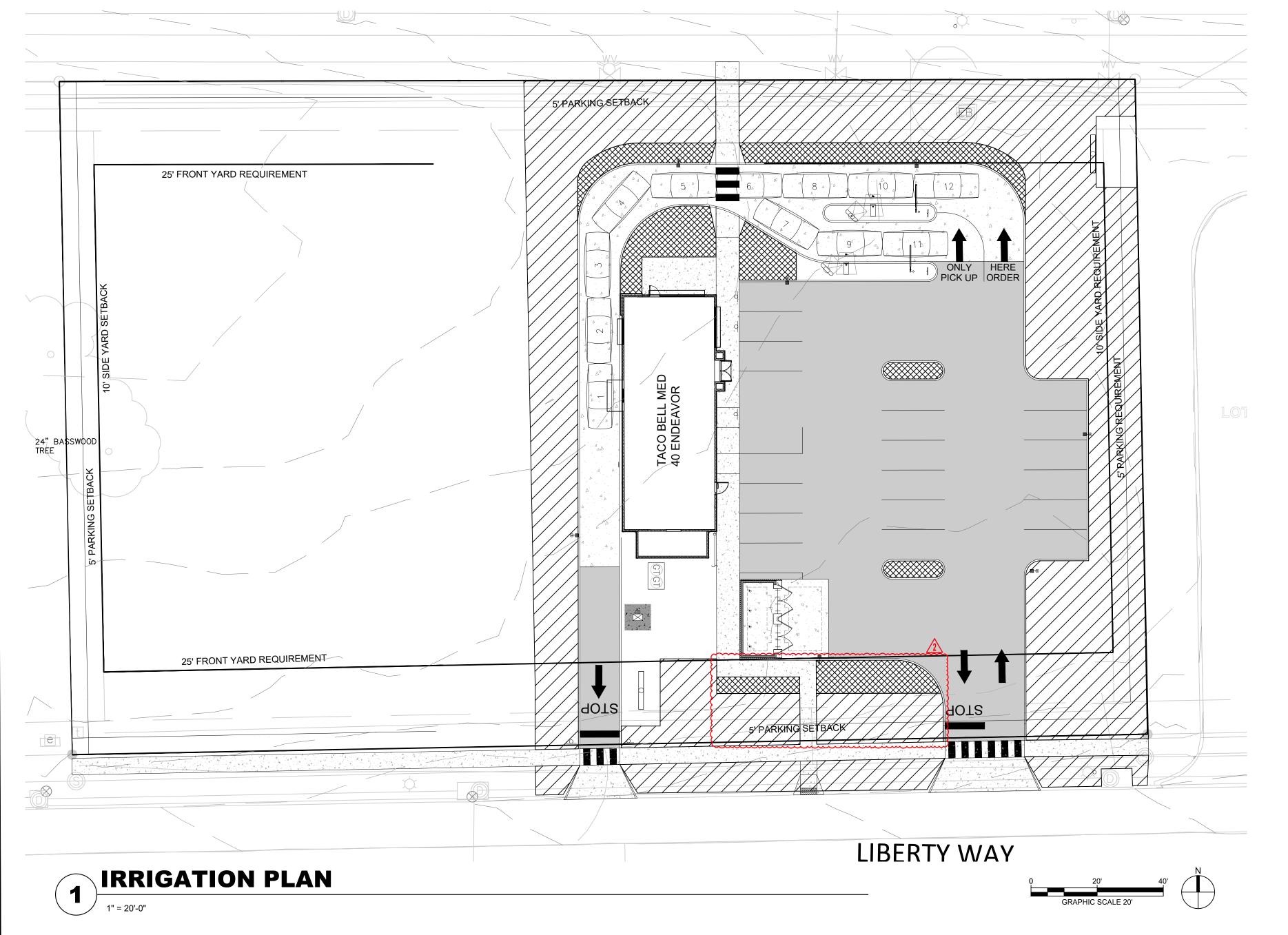
TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317



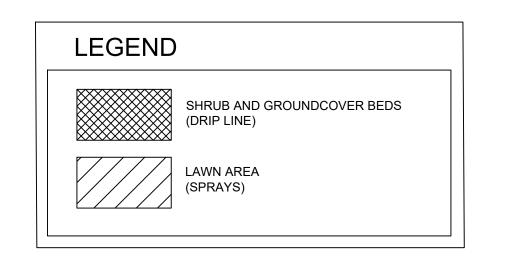
LANDSCAPE PLAN & DETAILS LP-101

LANDSCAPE DETAILS



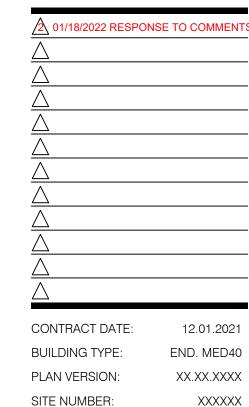
IRRIGATION NOTES

- 1. AREAS SHOWN ON THE PLAN AS SHRUB AND GROUNDCOVER BEDS SHALL BE WATERED BY AN AUTOMATIC IRRIGATION SYSTEM.
- 2. THE GENERAL CONTRACTOR SHALL SUBMIT AN IRRIGATION PLAN TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF SYSTEM. THE PLAN SHALL ILLUSTRATE IRRIGATION PRODUCT INFORMATION, PIPE SIZING AND ROUTING, CONTROLLER LOCATION AND HEAD LOCATIONS.
- 3. THE IRRIGATION CONTROLLER SHALL BE INSTALLED IN A LOCATION SELECTED BY THE OWNER.
- 4. ALL PIPING ROUTED BENEATH PAVED AREAS SHALL BE SLEEVED WITH 3" PVC, SEE DETAIL 3/LI101.
- 5. THE GENERAL CONTRACTOR SHALL VERIFY SLEEVE LOCATIONS WITH THE IRRIGATION CONTRACTOR PRIOR TO INSTALLATION.
- 6. IRRIGATION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF VALVE BOX AND QUICK COUPLER INSTALLATION DETAILS FOR APPROVAL.
- 7. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN SENSING SHUT-OFF DEVICE.
- 8. AS-BUILT IRRIGATION PLANS WILL BE SUBMITTED BY THE CONTRACTOR AT THE TIME OF INSTALLATION.
- 9. 120 VOLT ELECTRICAL POWER OUTLETS FOR CONTROLLERS TO BE PROVIDED BY OTHERS. CONTRACTOR TO BE RESPONSIBLE FOR MAKING HOOK-UP FROM OUTLETS TO CONTROLLER.
- 10. ALL WIRE FROM CONTROLLERS TO ELECTRIC VALVES TO BE COPPER UF-14 DIRECT BURIAL. USE BLACK FOR PILOT AND WHITE FOR COMMON. INSTALL IN COMMON TRENCH WITH MAIN LINE WHERE POSSIBLE. PROVIDE MIN. OF 18" COVER.
- 11. PROVIDE MIN. 18" COVER OVER ALL MAIN LINE AND LATERAL PIPING.
- 12. ALL PIPE TO BE PVC SCH. 40.
- 13. THIS DESIGN IS DIAGRAMMATIC. EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND IS TO BE INSTALLED WITHIN THE NEAREST PLANTED AREA WHERE POSSIBLE. AS SUCH, QUANTITIES AND LENGTHS OF PIPE SHOWN ARE ESTIMATED AND SHALL NOT BE USED FOR BIDDING PURPOSES. CONTRACTOR TO PROVIDE ALL MATERIALS TO COMPLETE IRRIGATION LAYOUT PROPERLY.
- 14. CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR BEST PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, DRIVES AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE THE SELECTION OF THE BEST DEGREE OF ARC TO FIT EXISTING SITE
- 15. INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMENDATIONS.
- 16. SYSTEM DESIGN IS BASED ON PRESSURES AND GALLONAGES INDICATED AT POINT OF CONNECTION. ASSUMED PRESSURE IS 70 PSI, CONTRACTOR TO VERIFY AND PROVIDE ADDITIONAL PUMPS OR REDUCERS BASED ON AVAILABLE PRESSURE ON SITE.
- 17. DO NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE, OTHERWISE THE IRRIGATION CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY AND ALL NECESSARY REVISIONS.
- 18. THE SYSTEM SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR. ANY DEFECTIVE MATERIAL OR POOR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY THE IRRIGATION CONTRACTOR AT NO COST TO THE OWNER.
- 19. CONTRACTOR TO BE RESPONSIBLE FOR RODENT CONTROL OF DRIP SYSTEM DURING INSTALLATION AND MAINTENANCE PERIOD.
- 20. CONTRACTOR IS TO ADJUST IRRIGATION TO AVOID LIGHTING FIXTURES AND OTHER UTILITIES IN THE FIELD.
- 21. CONTRACTOR TO ADJUST ALL HEADS TO PROVIDE FULL COVERAGE WITH NO OVERSPRAY ONTO THE BUILDINGS AND/OR HARDSCAPE.
- 22. DRIP TUBING TO BE PLACED BETWEEN PLANTING SOIL AND MULCH LAYER OF LANDSCAPE BEDS AND LOCATED AS CLOSE TO PLANT BASES AS POSSIBLE.





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TACO BELL

1000 LIBERTY WAY NORTH LIBERTY, IA 52317

STORE NUMBER:

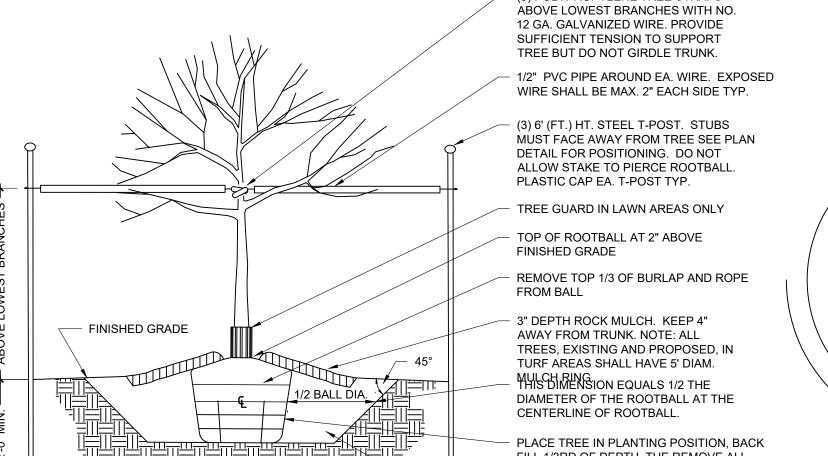


IRRIGATION PLAN LI-101

SLEEVE SHALL BE A MINIMUM -— 1" TALL "S" STAMP ON EXTEND SLEEVE OF 3" SCHEDULE 40 PVC. SIDEWALK TO LOCATE A MIN. OF ADJUST PIPE SIZE TO BE AT PIPE (BOTH SIDES OF 24" BEYOND LEAST 2 PIPE SIZES LARGER PAVEMENT) EDGES OF THAN THE IRRIGATION LINE IF PAVEMENT (TYP.) PIPE SIZES EXCEED 2" **PROPOSED** PAVEMENT FINISHED -GRADE TEMPORARY 24"- 2x4 WOODEN STAKE WITH TOP PAINTED RED (BOTH SIDES / OF PAVEMENT) WRAP METAL LOCATOR TAPE COORDINATE SLEEVE LOCATIONS WITH @ EACH END OF THE SLEEVE THE PAVEMENT CONTRACTOR. VERIFY IRRIGATION LINE DEPTH AND ADJUST SLEEVE DEPTH TO MATCH. INSTALL PVC CAP @ EACH END OF THE SLEEVE -

IRRIGATION SLEEVE DETAIL

N.T.S.



(3) POLYPROPYLENE TREE STRAPS

FILL 1/3RD OF DEPTH, THE REMOVE ALL TWINE AND BURLAP FROM TOP OF ROOT BALL. WORE BASKET TO REMAIN IN PLACE, BEND TOP LOOPS DOWN. EXPOSE ROOT FLARE AT BASE OF TRUNK. PLANTING SOIL BACKFILL UNDISTURBED SUBGRADE

NOTE: REMOVE STAKING MATERIAL

AFTER FIRST GROWING SEASON

TREE PIT EQUALS 2X DIAM. OF ROOTBALL AT CENTERLINE OF ROOTBALL BOTTOM OF TREE PIT (VARIES) ROOTBALL VARIES (3) 6' (FT.) HT. STEEL T-POST PAINTED REFLECTIVE ORANGE. DO NOT ALLOW STAKE TO PIERCE ROOTBALL. PLASTIC CAP EA. 1/2" PVC PIPE AROUND EA. WIRE. EXPOSED WIRE SHALL BE MAX. 2" PREVAILING WINDS

TREE STAKING PLAN

EACH SIDE TYP. (3) POLYPROPYLENE TREE STRAPS ABOVE LOWEST BRANCHES WITH NO. 12 GA. GALVANIZED WIRE. PROVIDE SUFFICIENT TENSION TO SUPPORT TREE BUT DO NOT GIRDLE TRUNK.

TOP OF TREE PIT (VARIES)

5' DIAM. MULCH RING AROUND ALL TREES IN TURF AREAS INCLUDING EXISTING TREES NOTE: REMOVE STAKING MATERIAL AFTER FIRST GROWING SEASON

LANDSCAPE TREE DETAILS

PREVAILING

WINDS

TREE PLANTING SECTION