Attachment A

RELIANCE BATTERY SITE DEMOLITION

CITY OF COUNCIL BLUFFS, IOWA

PROJECT NUMBER C2080

LEGEND

	REMOVE PAVEMENT
	REMOVE SIDEWALK
	REMOVE BUILDING
▼	EXTERIOR DOOR LOCATION
—X—X—	FENCE
— — — —	LIMITS OF CONSTRUCTION
	P.C.C. PAVEMENT
	P.C.C. SIDEWALK
XX	PROPOSED CONTOUR
XX	EXISTING CONTOUR
	PROPOSED STORM SEWER
TC	TOP OF CURB ELEVATION
G	GUTTER ELEVATION
TP	TOP OF PAVEMENT ELEVATION
PFG	FINISH GRADE ELEVATION
TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATION
*	FIELD VERIFY EXISTING ELEVATION
SF	SILT FENCE
	CONSTRUCTION ENTRANCE
	FILL AREA
DW	DOMESTIC WATER LINE
FP	FIRE PROTECTION LINE
W W	WATER MAIN
GAS	GAS LINE
SS	SANITARY SEWER



NORTH

LOCATION MAP
COUNCIL BLUFFS, IOWA
NO SCALE

DRAWING INDEX:

0	COVER SHEET
C000	GENERAL NOTES
C001	SITE DEMOLITION PLAN
C101	SITE LAYOUT & GRADING PLAN
C102	STORM WATER POLLUTION PREVENTION PLAN NOTES & DETAILS
C103	STORM WATER POLLUTION PREVENTION PLAN SITE MAP

ALL CONSTRUCTION SHALL CONFORM TO THE IOWA STATEWIDE URBAN DESIGN STANDARDS SPECIFICATIONS MANUAL AND DESIGN MANUAL, AND THE CITY OF COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS AND DRAWINGS, 2020 EDITION.

LICENSED PROFESSIONAL ENGINEER
MATTHEW J. HUBEL
20910
IOWA

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.

MATTHEW J. HUBEL DATE 08/10/2021

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022.

PAGES OR SHEET COVERED BY THIS SEAL: ALL SHEETS NOTED IN INDEX

OF SHEETS

IOWA ONE CALL

Remember to Call Before You Dig! 1-800-292-8989

Request Utility Locate 48 Hours In Advance

DESIGNED: MJH
DRAWN: DGD
CHECKED: RMD

ISSUE DATE: 08/10/2021
REVISIONS:

No.:	DATE:	BY:	DESCRIPTION:

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CITY OF COUNCIL BLUFFS
RELIANCE BATTERY SITE DEMOLITION
813 22ND AVENUE
COUNCIL BLUFFS, IA

COVER SHEET

PROJECT NO.: 08047.001

0

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8/10/2021 8:14:04 AM Dodd, Daryl

GENERAL NOTES

1. UTILITY FACILITIES SHOWN ARE FROM LOCATES OR RECORDS PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST (EITHER IN SERVICE OR ABANDONED) AND THEIR LOCATION MAY NOT BE PRESENTLY KNOWN OR IDENTIFIED ON THE PLANS. THE ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE CONTRACTOR SHALL NOTIFY THE IOWA ONE–CALL SYSTEM AT 1–800–292–8989 TO IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITY FACILITIES WITHIN THE CONSTRUCTION AREA.

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL PUBLIC AND PRIVATE UTILITY FACILITIES LOCATED WITHIN THE CONSTRUCTION AREA TO AVOID DAMAGE IN ACCORDANCE WITH SECTION 480.4, CODE OF IOWA. DAMAGE TO UTILITIES DUE TO THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED OR REPLACED WITHOUT COST TO THE OWNER OR ENGINEER.

WHERE EXISTING UTILITY FACILITIES ARE SHOWN IN THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITIES AND CONDUCTING WORK NEAR UTILITY FACILITIES REQUIRED BY SECTION 480.4, CODE OF IOWA.

THE CONTRACTOR SHALL COOPERATE WITH UTILITY COMPANIES IN THEIR ADJUSTMENT OPERATIONS SO THAT THESE OPERATIONS MAY PROGRESS, THE DUPLICATION OF ADJUSTMENT WORK MAY BE REDUCED, AND THAT SERVICES RENDERED BY THOSE PARTIES WILL NOT BE INTERRUPTED.

THE CONTRACTOR SHALL REVIEW ALL UTILITIES SHOWN IN THE PLANS AND COORDINATE WITH ALL UTILITY COMPANIES NECESSARY TO SCHEDULE WORK FOR ALL KNOWN AND POTENTIAL CONFLICTS. THE CONTRACTOR SHALL BE AWARE THAT UTILITY SERVICES ARE NOT ROUTINELY LOCATED OR SHOWN ON THE PLANS, HOWEVER MAY BE A CONFLICT WITH THE WORK PERFORMED. DELAYS, INCONVENIENCE, OR DAMAGE CLAIMED BY THE CONTRACTOR DUE TO ANY INTERFERENCE OF UTILITIES SHOWN IN THE PLANS OR SERVICES SHALL NOT BE CONSIDERED A CIRCUMSTANCE FOR ADDITIONAL TIME OR COMPENSATION.

2. REMOVALS OF ABANDONED UTILITIES THAT ARE SHOWN ON THE PLANS AND ENCOUNTERED DURING TRENCH EXCAVATION SHALL BE INCIDENTAL TO THE UNDERGROUND UTILITY BEING INSTALLED AND WILL NOT BE PAID FOR SEPARATELY UNLESS INDICATED OTHERWISE ON THE PLANS.

3. PRIOR TO BEGINNING WORK ON THE FOLLOWING ITEMS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW PLANS FOR BY–PASS PUMPING, TRENCH SHORING, JACKING AND BORING, DEWATERING, TRAFFIC CONTROL, EMERGENCY ACTION PLAN (EAP) FOR WORK IN THE LEVEE CRITICAL ZONE AND PROVIDE SHORING OR SUPPORT DETAILS FOR WATER MAINS AND OTHER MAJOR UTILITY LINES THAT MUST REMAIN IN SERVICE.

4. THE CONTRACTOR SHALL KEEP SANITARY SEWER AND STORM SEWER LINES AND STRUCTURES CLEAN AND FREE OF DEBRIS THAT IS A RESULT OF CONSTRUCTION OPERATIONS. ANY CLEANING AND REMOVAL OF DEBRIS THAT ENTERS AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE COMPLETED AT THE EXPENSE OF THE CONTRACTOR.

5. THE CONTRACTOR SHALL MAKE ACCESS AVAILABLE TO ADJACENT PROPERTIES IN CASE OF EMERGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (712–328–4634) AND NON–EMERGENCY 911 (712–328–5737), 24 HOURS PRIOR TO CLOSING AND/OR OPENING ANY ROADS TO TRAFFIC. THE CONTRACTOR SHALL ADEQUATELY BARRICADE CLOSED ROADS DURING CONSTRUCTION TO INSURE PUBLIC SAFETY AND PROTECT NEW PAVEMENT FROM DAMAGE. ALL TRAFFIC CONTROL SHALL BE IN COMPLIANCE WITH "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

6. REMOVAL AND REINSTALLATION OF MAILBOXES AS NECESSARY SHALL BE INCIDENTAL TO THE PROJECT UNLESS SPECIFIED OTHERWISE. THE CONTRACTOR SHALL NOTIFY THE POST OFFICE OF THE STREET CLOSING AND ARRANGE FOR AN ALTERNATE DROP BOX LOCATION AS NECESSARY.

7. SANITARY SEWER LATERALS DISRUPTED BY THE CONTRACTOR SHALL BE RECONNECTED TO THE SEWER DURING THE SAME DAY THAT THEY ARE DISRUPTED.

8. WHEN MILLING OF ASPHALT PAVEMENT IS A BID ITEM IN THE PLANS ALL MILLED ASPHALT PAVEMENT SHALL BE DELIVERED TO THE CITY PUBLIC WORKS YARD AT 1130 2ND AVENUE. CONSTRUCTION PHASING MAY REQUIRE MULTIPLE MOBILIZATIONS FOR MILLING OPERATIONS. OUT OF PHASE MILLING WILL NOT BE ALLOWED UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. THE COST INVOLVED TO HAUL SALVAGED ITEMS TO THE CITY YARD SHALL BE INCIDENTAL TO REMOVAL FOR WHICH PAYMENT IS MADE.

9. REMOVAL OF EXISTING CITY SIGNS AS NECESSARY SHALL BE INCIDENTAL TO THE PROJECT UNLESS SPECIFIED OTHERWISE. ALL SIGNS SHALL BE REMOVED WITHOUT DAMAGE TO THE SIGNS. ANY DAMAGE TO SIGN(S) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO REPLACE IN KIND AND\OR COMPENSATE THE CITY FOR DAMAGED SIGN(S). SIGNS SHALL BE DELIVERED WHEN REMOVED TO THE CITY TRAFFIC DEPARTMENT AT 1001 10TH AVENUE. SIGNS SHALL NOT BE STORED ON PROJECT SITE.

10. ALL SOLID WASTE, AND EXCESS EXCAVATION FROM THE REMOVAL OR INSTALLATION OF PAVEMENT, STORM, AND SANITARY SEWER SYSTEMS, SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. ALL REMOVED ITEMS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF SITE AND SHALL NOT BE INCORPORATED INTO THE WORK.

PRIOR TO THE COMMENCEMENT OF REMOVALS, THE CONTRACTOR SHALL PROVIDE THE ENGINEER DOCUMENTATION OF THEIR CERTIFIED DISPOSAL SITE(S) FOR ALL ITEMS TO BE REMOVED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH LOAD TICKETS FOR ALL ITEMS REMOVED FROM THE PROJECT. PAYMENT WILL NOT BE MADE ON REMOVAL ITEMS WITHOUT APPROPRIATE TICKETS.

11. TO COMPLY WITH THE MIGRATORY BIRD TREATY ACT, TREES SHALL NOT BE REMOVED DURING THE PRIMARY NESTING SEASON DEFINED AS APRIL 1ST THROUGH SEPTEMBER 30TH. EXISTING TREES NOT INDICATED FOR REMOVAL SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. TRIMMING OF TREES WITH TRUNKS LOCATED OUTSIDE OF THE RIGHT OF WAY SHALL NOT BE COMPLETED WITHOUT AUTHORIZATION FROM THE OWNER. WHEN TRIMMING IS REQUIRED ON ANY TREE, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER AND USE SAWS TO REMOVE ROOTS AND BRANCHES FROM TREES THAT ARE TO REMAIN. NO REMOVAL OF ROOTS OR BRANCHES SHALL BE BY HEAVY EQUIPMENT THAT RESULTS IN TEARS. ALL REMOVALS SHALL LEAVE A SMOOTH CUT FACE.

12. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN PATHWAYS OPEN AND PASSABLE DURING CONSTRUCTION.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COLLECTION AND TRANSPORTATION OF GARBAGE, YARD WASTE, AND RECYCLABLES FROM IN FRONT OF INDIVIDUAL PROPERTIES TO THE ENDS OF THE PROJECT LIMITS FOR PICKUP. AND RETURNED TO THE INDIVIDUAL PROPERTIES THE SAME DAY GARBAGE IS COLLECTED. THE CONTRACTOR SHALLCOORDINATE THE PICKUP LOCATION(S) WITH THE GARBAGE COLLECTOR.

14. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS, INCLUDING EQUIPMENT AND MATERIAL STORAGE, WITHIN THE CONSTRUCTION ROW AND/OR EASEMENTS OF THE PROJECT. IF THE CONTRACTOR IS GRANTED PERMISSION TO STORE MATERIALS OR EQUIPMENT ON ADJACENT PRIVATE PROPERTY THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WRITTEN PROOF OF PERMISSION FROM THE LANDOWNER.

15. THE CONTRACTOR SHALL MAINTAIN THE PROJECT LIMITS. BY COMMENCING THE WORK IN A GIVEN AREA, THE CONTRACTOR ASSUMES THE RESPONSIBILITY FOR ONGOING REQUIRED MAINTENANCE SUCH AS MOWING AND WEED CONTROL WITHIN THE PROJECT LIMITS.

16. THE ENGINEER WILL SET THE REQUESTED CONSTRUCTION STAKES UPON 48 HOUR ADVANCED NOTIFICATION BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF STAKES AND MARKS. THE OWNER WILL FURNISH THE STAKING THROUGH THE ENGINEER ONE TIME ONLY. ALL OTHER CONSTRUCTION STAKING SHALL BE FURNISHED BY THE CONTRACTOR.

RESTAKING, INCLUDING ASSOCIATED TRIP CHARGES, SHALL BE PAID BY THE CONTRACTOR TO THE OWNER WHO WILL REIMBURSE ENGINEER. THE OWNER MAY DEDUCT AMOUNTS FOR RESTAKING FROM PAYMENTS DUE TO THE CONTRACTOR.

17. STREETS SHALL NOT BE OPENED TO TRAFFIC UNTIL ALL STREET PAVEMENT HAS REACHED REQUIRED STRENGTH, ALL JOINTS HAVE BEEN SEALED, AND ALL DRIVEWAYS AND SIDEWALKS HAVE BEEN CONSTRUCTED UNLESS INDICATED OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER.

18. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYMENTS ASSOCIATED WITH ALL RETESTING RESULTING FROM FAILURE OF INITIAL COMPACTION TESTS. RETESTING, INCLUDING ASSOCIATED TRIP CHARGES, SHALL BE PAID BY THE CONTRACTOR TO THE OWNER. THE OWNER SHALLDEDUCT AMOUNTS FOR RETESTING FROM PAYMENTS DUE TO THE CONTRACTOR.

19. THE CONTRACTOR SHALL CONTROL CONSTRUCTION DEBRIS, HAZARDOUS WASTE SPILLS, AND CONCRETE TRUCK WASHOUT AREA(S). THE CONTRACTOR SHALL CLEAN–UP AND DISPOSE OF ALL WASTE PROPERLY OFF–SITE AT AN APPROVED DISPOSAL FACILITY. NO CONSTRUCTION MATERIAL WASTES OR UNUSED MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED WITHIN THE PROJECT LIMITS.

20. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONTROL SOIL EROSION AND FUGITIVE DUST DURING CONSTRUCTION. IF NECESSARY, HAY BALES, CHECK DAMS, SEDIMENT TRAPS OR ADDITIONAL SILT FENCE (NOT INDICATED ON THE PLANS) SHALL BE USED TO RETAIN SILT AND PREVENT SILT FROM ENTERING THE STORM DRAINAGE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT OPERATIONS IN ACCORDANCE WITH THE POLLUTION PREVENTION PLAN AND ADMINISTER IT THROUGHOUT THE PROJECT DURATION. THE CONTRACTOR SHALL PROVIDE WATER APPLICATIONS TO WET SURFACES PRIOR TO DEMOLITION ACTIVITIES TO CONTROL DUST. THE CONTRACTOR SHALL CONTAIN RUNOFF ON SITE AND DISPOSE OF IT PER ANY APPLICABLE JURISDICTIONAL REQUIREMENTS. ALL DUST GENERATED BY THE PROJECT SHALL BE CONTAINED WITHIN THE PROJECT LIMITS.

21. THE CONTRACTOR SHALL CONSTRUCT THE NECESSARY EROSION CONTROL AND RUNOFF DETENTION STRUCTURES INCLUDED IN THE PLANS AND PER THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP) PRIOR TO ANY GRADING ON THE PROJECT IN ORDER TO PREVENT SILT TRANSPORT AND SOIL TRACKING OUTSIDE OF THE PROJECT LIMITS. THE CONTRACTOR SHALL MAINTAIN AND WATER HAUL ROADS TO CONTROL FUGITIVE DUST.

22. ALL CONCRETE TRUCKS SHALL RETURN TO THE PLANT TO WASH OUT UNLESS THE CONTRACTOR PROVIDES A CONCRETE WASH OUT AREA AS DESCRIBED IN THE PLANS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND CLEAN UP OF THE WASH OUT LOCATION.

23. THE OWNER MAY CHARGE THE CONTRACTOR ACTUAL DAMAGES FOR FAILURE OF THE CONTRACTOR TO COMPLY WITH ANY PART OF THE CONTRACT, INCLUDING INCIDENTAL PROJECT REQUIREMENTS, FOR WHICH THE OWNER INCURS COSTS TO REMEDY. THE OWNER MAY CHARGE UP TO THE ACTUAL COST INCURRED BY THE OWNER FOR SUCH DAMAGES. THE OWNER MAY DEDUCT AMOUNTS FOR DAMAGES FROM PAYMENTS DUE TO THE CONTRACTOR.

24. ALL SIDEWALKS, SHARED USE PATHS, PEDESTRIAN CURB RAMPS, AND DRIVEWAYS SHALL BE CONSTRUCTED TO MEET THE MINIMUM REQUIREMENTS OF DIVISION 7 SECTION 7030 OF THE SUDAS STANDARD SPECIFICATIONS. ALL WORK COMPLETED THAT DOES NOT MEET THESE REQUIREMENTS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

25. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN FINAL GRADING HAS BEEN COMPLETED. THE ENGINEER SHALL PERFORM A FIELD REVIEW OF THE GRADING PRIOR TO ANY SEEDING OR HYDROMULCHING BY THE CONTRACTOR. FAILURE TO COMPLY WITH THE FINAL GRADING REVIEW MAY RESULT IN RE–GRADING, RE–SEEDING AND RE–HYDROMULCHING IN AREAS THAT DO NOT MEET SPECIFICATIONS. ANY ADDITIONAL WORK WILL BE AT THE EXPENSE OF THE CONTRACTOR.

26. THE CONTRACTOR SHALL NOT INSTALL MANHOLE INFILTRATION BARRIERS UNTIL AFTER THE ENGINEER AND CITY REPRESENTATIVE(S) HAVE INSPECTED THE MANHOLE(S). ONCE THE INSPECTION OF MANHOLE(S) HAS BEEN COMPLETED AND IS ACCEPTABLE, THE INFILTRATION BARRIER MAY BE INSTALLED. THE INFILTRATION BARRIERWILL THEN BE INSPECTED BY THE ENGINEER AND CITY REPRESENTATIVE(S) FOR APPROVAL. BACKFILL AROUND THE MANHOLE SHALL NOT BE COMPLETED UNTIL AFTER THE INSPECTION OF THE INFILTRATION BARRIER HAS OCCURRED WHEN USING AN EXTERNAL BARRIER.

27. CONCRETE ADMIXTURES SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER AND SUBMITTED AS PART OF THE SHOP DRAWING SUBMITTAL FOR THE SPECIFIED MIX DESIGN AS SHOWN IN THE CONTRACT DOCUMENTS.

28. CONCRETE FOR SIDEWALKS AND CURB AND GUTTER SHALL BE CV–QMC–C15 MIX PER CITY OF COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS.

29. WHEN CONSTRUCTION OPERATIONS WILL IMPACT PUBLIC STREETS AND RIGHTS–OF–WAY, CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL PER MUTCD REQUIREMENTS THROUGHOUT DURATION OF IMPACT. TRAFFIC CONTROLS MUST BE IN PLACE PRIOR TO START OF THIS WORK AND REMAIN IN PLACE UNTIL THIS WORK IS FULLY COMPLETED.

30. PRIOR TO CLOSURE OF ANY PUBLIC STREET OR RIGHT–OF–WAY, INCLUDING THE ALLEY WEST OF THE BUILDING, CONTRACTOR SHALL PROVIDE NOTIFICATION TO ALL AFFECTED PROPERTY OWNERS AND CITY REPRESENTATIVE A MINIMUM OF 72 HOURS IN ADVANCE OF CLOSURE. NO CLOSURE SHALL ENDURE MORE THAN 5 SUCCESSIVE BUSINESS DAYS WITHOUT ADVANCE WRITTEN APPROVAL FROM THE CITY AND NOTIFICATION OF ALL PROPERTY OWNERS.

31. NO SOIL SHALL BE REMOVED FROM THE SITE. THIS INCLUDES ANY SUBSIDIARY SOIL ATTACHED TO ITEMS TO BE REMOVED.

32. REMOVAL OF ASBESTOS–CONTAINING MATERIALS (ACM) IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A SEPARATE BID PRICE FOR THIS PORTION OF THE SCOPE OF WORK. THE TABLE BELOW IS AN APPROXIMATION OF THE ACM THAT WILL BE ENCOUNTERED BASED ON AN INSPECTION CONDUCTED BY THE CITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL MATERIALS AND QUANTITIES.

ASBESTOS CONTAINING MATERIALS LIST

SAMPLE #	MATERIAL SUBSTANCE	COLOR	FLOOR	LOCATION	ASBESTOS CONTENT	EST. QUANTITY
20EL0618–10	TAR	BLACK	ROOF	FLASHINGS/PROTRUSIONS/ PARAPET WALL	2% CHRYSOTILE	250 SF
20EL0618–13	CAULK	GRAY	EXT.	WALL PROTRUSIONS	2% CHRYSOTILE	10 F

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8/10/2021 8:14:05 AM Daniel Doyl

DESIGNED: MJH
DRAWN: DQD
CHECKED: RMD

ISSUE DATE: 08/10/2021
REVISIONS:

No.:	DATE:	BY:	DESCRIPTION:

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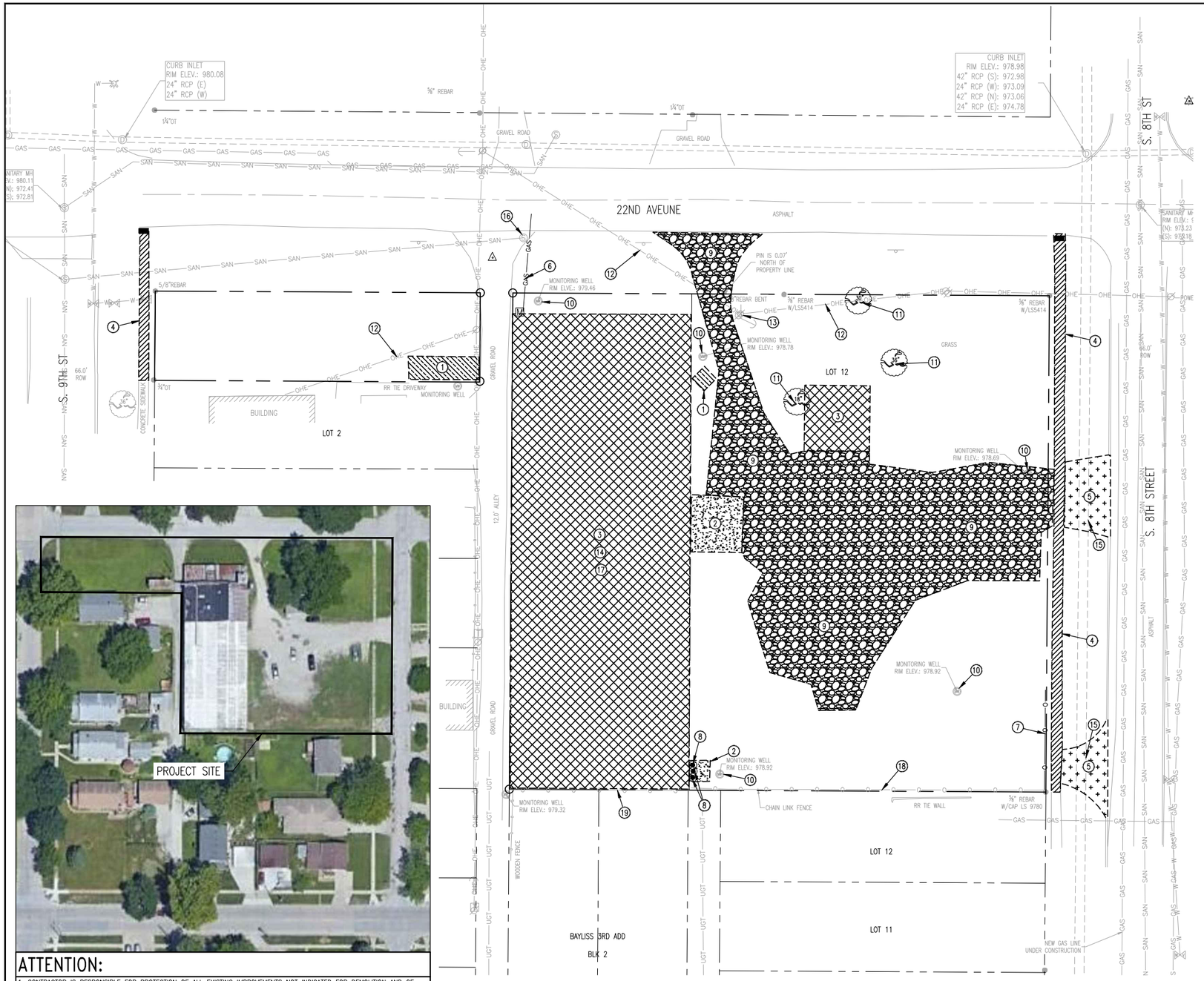
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CITY OF COUNCIL BLUFFS
RELIANCE BATTERY SITE DEMOLITION
813 22ND AVENUE
COUNCIL BLUFFS, IA

GENERAL NOTES

PROJECT NO.: 08047.001

C000



LEGEND

- REMOVE HOPPER & OR FOUNDATION OR PIERS
- REMOVE SIDEWALK
- REMOVE BUILDING
- REMOVE CONCRETE
- REMOVE CONCRETE DRIVEWAY WITH CURB AND GUTTER
- REMOVE AGGREGATE SURFACING

NORTH

20 0 20

1 inch = 20 ft.

REFERENCED DEMOLITION NOTES(ⓧ):

1. REMOVE EXISTING HOPPER, INCLUDING ALL FOOTINGS & FOUNDATIONS.
2. REMOVE EXISTING CONCRETE PAVING, INCLUDING SUBBASE MATERIAL IF PRESENT.
3. REMOVE EXISTING BUILDING AS SPECIFIED, INCLUDING ALL FOOTINGS, FOUNDATIONS AND FLOOR SLABS.
4. REMOVE EXISTING SIDEWALK.
5. REMOVE EXISTING CONCRETE DRIVEWAY WITH CURB & GUTTER.
6. CONTRACTOR TO COORDINATE WITH BLACK HILLS ENERGY (BHE) FOR DISCONNECTION OF GAS SERVICE TO BUILDING. CONTRACTOR SHALL CALL 402-669-0671 TO INITIATE COORDINATION. BHE WILL DIG TO MAIN, DISCONNECT SERVICE LINE AND CAP AT MAIN. BHE WILL ALSO REMOVE GAS METER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE THE REMAINING UNDERGROUND SERVICE LINE FROM THE CAP TO THE BUILDING ONCE BHE'S OPERATIONS ARE COMPLETE.
7. REMOVE EXISTING FENCE AND FENCE POST FOOTINGS.
8. REMOVE EXISTING BOLLARDS AND FOOTINGS.
9. REMOVE EXISTING AGGREGATE SURFACING.
10. PROTECT EXISTING MONITORING WELL.
11. REMOVE EXISTING TREE AND ROOT BALL.
12. PROTECT EXISTING OVERHEAD ELECTRICAL AND POLES TO REMAIN.
13. CONTRACTOR SHALL COORDINATE DISCONNECTION OF OVERHEAD ELECTRICAL SERVICE TO BUILDING PRIOR TO DEMOLITION COMMENCEMENT.
14. CONTRACTOR SHALL LOCATE WATER SERVICE TO BUILDING AND REMOVE EXISTING SERVICE LINE AND CONSTRUCT CAP AT THE MAIN. PERFORM REMOVALS AND CAPPING PER THE REQUIREMENTS OF THE UTILITY.
15. PROTECT EXISTING STORM SEWERS DURING CONSTRUCTION.
16. PROTECT EXISTING SANITARY SEWER LINE AND MANHOLE DURING CONSTRUCTION.
17. CONTRACTOR SHALL LOCATE SANITARY SEWER LATERAL SERVICING THE BUILDING AND REMOVE SAID LATERAL AND CONSTRUCT CAP AT THE MAIN.
18. PROTECT EXISTING CHAIN LINK FENCE TO REMAIN.
19. PROTECT EXISTING WOOD PRIVACY FENCE TO REMAIN.

ATTENTION:

1. THE EXISTING BUILDING CONTAINS ASBESTOS CONTAINING MATERIALS THAT MUST BE REMOVED PRIOR TO BUILDING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF THESE MATERIALS PROPERLY. SEE SPECIFICATIONS FOR INFORMATION.
2. THIS SITE CONTAINS CONTAMINATED SOILS. ALL SOILS ON SITE SHALL BE CONSIDERED CONTAMINATED. NO SOIL SHALL BE REMOVED FROM THE SITE.

ATTENTION:

1. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXISTING IMPROVEMENTS NOT INDICATED FOR DEMOLITION AND OF ALL NEIGHBORING PROPERTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY FACILITIES NECESSARY TO PROVIDE ADEQUATE PROTECTION OF THESE AREAS AND TO THE GENERAL PUBLIC. ALL COSTS ASSOCIATED WITH THESE TEMPORARY FACILITIES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

IOWA ONE CALL
800/292-8989
TOLL FREE
CALL - BEFORE - YOU - DIG

DESIGNED: MJH
DRAWN: DGD
CHECKED: RMD

ISSUE DATE: 08/10/2021

REVISIONS:	No.:	DATE:	BY:	DESCRIPTION:

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CITY OF COUNCIL BLUFFS
RELIANCE BATTERY SITE DEMOLITION
813 22ND AVENUE
COUNCIL BLUFFS, IA

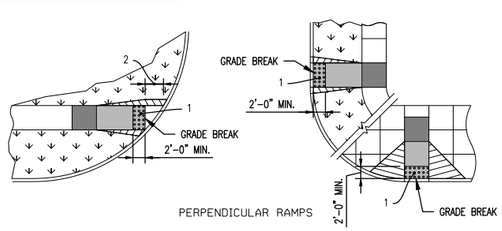
SITE DEMOLITION PLAN

PROJECT NO.: 08047.001

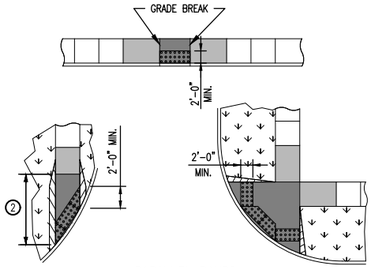
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8/12/2021 2:02:22 PM Derek Boyd

PERMIT NUMBER TBD



PERPENDICULAR RAMPS



PARALLEL RAMPS

PROVIDE A MINIMUM 2 FOOT WIDTH OF DETECTABLE WARNING SURFACES IN THE DIRECTION OF PEDESTRIAN TRAVEL ACROSS THE FULL WIDTH OF THE CURB RAMP OR TURNING SPACE, EXCLUSIVE OF CURBS OR FLARES.

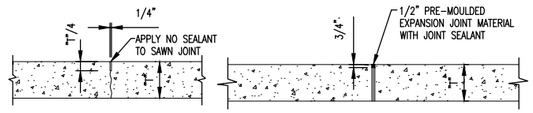
(1) WHEN DETECTABLE WARNING IS LOCATED ON CURB RAMP SURFACE, ORIENT DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(2) WHEN THE DISTANCE BETWEEN THE GRADE BREAK AND THE BACK OF CURB IS LESS THAN 5 FEET, PLACE DETECTABLE WARNING SURFACE AT THE BOTTOM OF THE CURB RAMP.

WHERE ONE CORNER OF THE CURB RAMP IS MORE THAN 5 FEET FROM THE BACK OF CURB, CONSTRUCT CURB RAMP AS A PARALLEL CURB RAMP. MOVE GRADE BREAK BACK AS REQUIRED TO PLACE DETECTABLE WARNING ON TURNING SPACE AT THE BACK OF CURB.

KEY
- CURB RAMP
- TURNING SPACE
- DETECTABLE WARNING

7030.210
DETECTABLE WARNING PLACEMENT



CONTRACTION JOINT

EXPANSION JOINT, SIDEWALK

SIDEWALK NOTES:

1. EXPANSION JOINTS SHALL BE PLACED IN ALL SIDEWALKS AT INTERVALS OF NOT MORE THAN 40' LONGITUDINALLY, WHERE SIDEWALKS ABUT CURBS, BUILDINGS, DRIVEWAYS, VALVES, ETC. AND AS SHOWN. IF THE SIDEWALK TO BE CONSTRUCTED IS LESS THAN 40' IN LENGTH ONE SUCH EXPANSION JOINT SHALL BE PLACED.
2. ALL SIDEWALKS 5 FEET OR MORE IN WIDTH SHALL BE SCORED IN PANELS NO GREATER THAN 5 FEET IN LENGTH.
3. USE URETHANE SEALANT, AS SPECIFIED, ON ALL EXPANSION JOINTS.
4. MAXIMUM CROSS SLOPE ON ALL SIDEWALKS SHALL BE 2%.
5. SIDEWALK: "I" = 4"

(1) P.C.C. SIDEWALK

Not to Scale

LEGEND

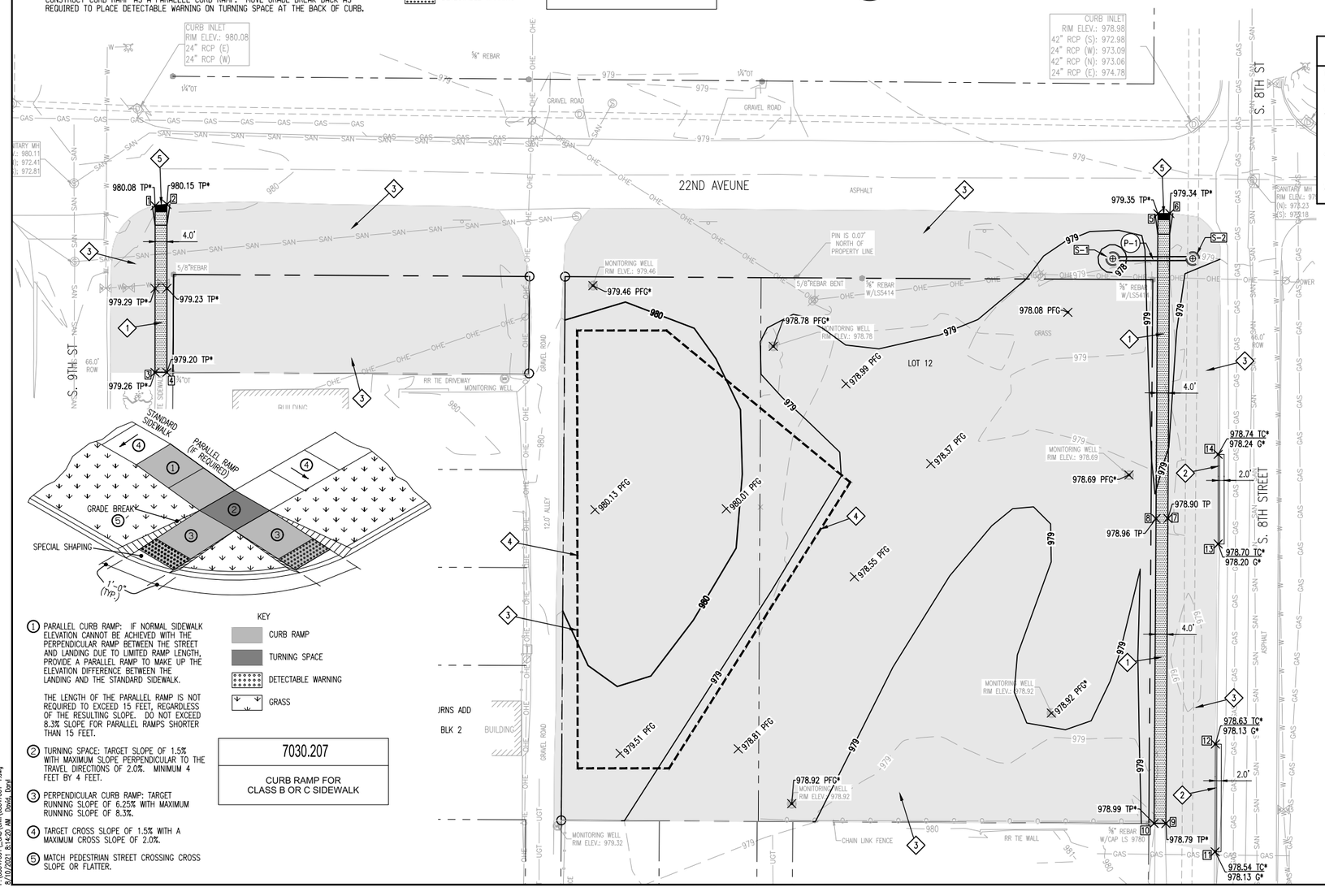
- XX — PROPOSED CONTOUR
- XX — EXISTING CONTOUR
- PROPOSED CONCRETE CURB & GUTTER
- PROPOSED 4" P.C.C. SIDEWALK
- TC TOP OF CURB ELEVATION
- G GUTTER ELEVATION
- TP TOP OF PAVEMENT ELEVATION
- PFG FINISH GRADE ELEVATION
- * FIELD VERIFY EXISTING ELEVATION

RESPREAD TOPSOIL AND CONSTRUCT PERMANENT SEEDING WITH MULCH AS SPECIFIED

NORTH

20 0 20

1 inch = 20 ft.



(1) PARALLEL CURB RAMP: IF NORMAL SIDEWALK ELEVATION CANNOT BE ACHIEVED WITH THE PERPENDICULAR RAMP BETWEEN THE STREET AND LANDING DUE TO LIMITED RAMP LENGTH, PROVIDE A PARALLEL RAMP TO MAKE UP THE ELEVATION DIFFERENCE BETWEEN THE LANDING AND THE STANDARD SIDEWALK.

THE LENGTH OF THE PARALLEL RAMP IS NOT REQUIRED TO EXCEED 15 FEET, REGARDLESS OF THE RESULTING SLOPE. DO NOT EXCEED 8.3% SLOPE FOR PARALLEL RAMPS SHORTER THAN 15 FEET.

(2) TURNING SPACE: TARGET SLOPE OF 1.5% WITH MAXIMUM SLOPE PERPENDICULAR TO THE TRAVEL DIRECTIONS OF 2.0%. MINIMUM 4 FEET BY 4 FEET.

(3) PERPENDICULAR CURB RAMP: TARGET RUNNING SLOPE OF 6.25% WITH MAXIMUM RUNNING SLOPE OF 8.3%.

(4) TARGET CROSS SLOPE OF 1.5% WITH A MAXIMUM CROSS SLOPE OF 2.0%.

(5) MATCH PEDESTRIAN STREET CROSSING CROSS SLOPE OR FLATTER.

KEY
- CURB RAMP
- TURNING SPACE
- DETECTABLE WARNING
- GRASS

7030.207
CURB RAMP FOR CLASS B OR C SIDEWALK

REFERENCED CONSTRUCTION NOTES(X):

1. CONSTRUCT 4" P.C.C. SIDEWALK, SEE DETAIL 1 THIS SHEET.
2. CONSTRUCT 6" CONCRETE CURB & GUTTER PER IOWA SUDAS FIGURE 7010.102 WITH BT JOINT WHERE ABUTS EXISTING PAVEMENT.
3. RESPREAD TOPSOIL EVENLY OVER ALL DISTURBED AREAS AND CONSTRUCT AND MAINTAIN PERMANENT SEEDING WITH MULCH. PERMANENT SEEDING SHALL BE TYPE 1 SEED MIXTURE PER THE SUDAS STANDARD SPECIFICATIONS. ALL SEEDING OPERATIONS, INCLUDING PREPARATION OF SOIL, FERTILIZING, APPLICATION AND MAINTENANCE SHALL BE PER THE SAME SPECIFICATIONS.
4. IF EXCESS SOILS RESULT FROM THE CONSTRUCTION AND GRADING, THESE SOILS CAN BE SPOILED IN THE AREA INDICATED. SOILS MUST BE FREE OF ALL DEBRIS AND DELETERIOUS MATERIAL AND SPREAD EVENLY OVER THE AREA SHOWN PRIOR TO PLACEMENT OF TOPSOIL.
5. CONSTRUCT CURB RAMP WITH TRUNCATED WARNING SURFACE PER IOWA SUDAS DETAILS 7030.207 AND 7060.210 AND APPLICABLE IOWA SUDAS SPECIFICATIONS. SEE DETAILS THIS SHEET.

LAYOUT COORDINATES

POINT #	NORTHING	EASTING
1	6960891.57	16465848.89
2	6960892.02	16465852.89
3	6960835.37	16465848.85
4	6960835.37	16465852.85
5	6960888.86	16466187.05
6	6960888.98	16466191.05
7	6960786.12	16466190.39
8	6960786.08	16466186.39
9	6960683.26	16466189.73
10	6960683.29	16466185.73
11*	6960673.76	16466206.32
12*	6960710.04	16466206.42
13*	6960777.53	16466207.36
14*	6960807.73	16466207.36

* FIELD VERIFY TO MATCH ENDS OF CURB AND GUTTER REMAINING AFTER REMOVALS ARE COMPLETED.

STORM SEWER STRUCTURE TABLE(S-X):

STRUCTURE NAME	TYPE	DETAILS	LOCATION
S-1	PRECAST CIRCULAR AREA INTAKE, CASE 1 WITH SW-604 TYPE 3 CASTINGS PER IOWA SUDAS FIGURE 6010.512	RIM: 977.90 (FG) I.E. 12": 973.40 (E)	N: 6960873.69 E: 16466171.81
S-2	TEE SECTION STORM SEWER MANHOLE OVER EXISTING 42" STORM SEWER PER IOWA SUDAS FIGURE 6010.405	RIM: 979.13 (FG) I.E. 12": 972.86 (W) I.E. 42": 972.50*	N: 6960873.74 E: 16466198.77

STORM SEWER PIPE TABLE(P-X):

NAME	SIZE	LENGTH	SLOPE
P-1	12"	26.96'	2.00%

P:\08047001_CAD\Civil\08047001-1.dwg
8/10/2021 8:14:20 AM Daniel_Daryl

DESIGNED:	MJH	ISSUE DATE:	08/10/2021
DRAWN:	DGD	REVISIONS:	
CHECKED:	RMD	No.:	DATE: BY: DESCRIPTION:

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CITY OF COUNCIL BLUFFS
RELIANCE BATTERY SITE DEMOLITION
813 22ND AVENUE
COUNCIL BLUFFS, IA

SITE LAYOUT & GRADING PLAN

PROJECT NO.: 08047.001

C101

PERMIT NUMBER TBD

EROSION CONTROL PROCEDURES:

1. THE CONTRACTOR SHALL COMPLY WITH EROSION CONTROL PROCEDURES SET FORTH ON THESE PLANS AND IN THE SPECIFICATIONS. ALL EROSION CONTROL EFFORTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, THIS INCLUDES REMOVAL OF ACCUMULATED SEDIMENT.
2. ALL SEDIMENT TRAPS (IF USED) SHALL BE CLEANED OUT AND RESTORED TO ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. SILT FENCES SHALL BE CLEANED OUT WHEN THE FENCE BEGINS TO "BULGE". SILT FENCE WILL REQUIRE COMPLETE REPLACEMENT WHEN TEARS OR RIPS FORM IN THE FENCE OR WHEN THE FENCE HAS BEEN COMPLETELY UNDERMINED.
3. WHEN EROSION CONTROL DEVICES ARE CLEANED OUT, SEDIMENT MUST EITHER BE DISTRIBUTED OVER THE SITE OR PLACED UPSTREAM OF THE STRUCTURE. SEDIMENT MUST NEVER BE PLACED DOWNSTREAM OF THE STRUCTURE.
4. ALL GRADED OR CLEARED AREAS THAT ARE SUBJECT TO EROSION FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY EROSION CONTROL DEVICES AS SHOWN IN THE DRAWINGS. CONTRACTOR SHALL MAINTAIN TEMPORARY EROSION CONTROL DEVICES UNTIL THE SITE IS FULLY STABILIZED.
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. ANY CONSTRUCTION OR MAINTENANCE ISSUES REGARDING EROSION CONTROL METHODS WILL BE DIRECTED TO THE GENERAL CONTRACTOR. THE CONTRACTOR WILL HAVE 24 HOURS AFTER NOTIFICATION TO REMEDY ANY ITEMS THAT ARE ADDRESSED.

GENERAL NOTES:

A. MAINTAIN RECORDS OF CONSTRUCTION ACTIVITIES

IN ADDITION TO THE INSPECTION AND MAINTENANCE REPORTS, KEEP RECORDS OF THE CONSTRUCTION ACTIVITY ON THE SITE, INCLUDING:
1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR AREA.
2. THE DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, TEMPORARILY OR PERMANENTLY.
3. THE DATES WHEN AN AREA IS STABILIZED, TEMPORARILY OR PERMANENTLY.

B. UPDATE/CHANGE THE PLAN TO KEEP THE PLAN CURRENT

COMPLY WITH THE NPDES STORM WATER GENERAL PERMIT, THE PLAN MUST ACCURATELY REFLECT SITE FEATURES AND OPERATIONS. WHEN IT DOES NOT, THE PLAN MUST BE CHANGED. CHANGE PLAN AS NECESSARY TO REFLECT SITE FEATURES AND OPERATIONS TO MINIMIZE POLLUTANT DISCHARGE FROM THE SITE. KEEP A RECORD OF ALL CHANGES.
1. IDENTIFY ANY CHANGE IN OWNERSHIP OR TRANSFERENCE OF THE PERMIT AND PERMIT RESPONSIBILITIES.
2. MODIFY PLAN WITHIN 7 DAYS TO COMPLY WITH THE MINIMUM STANDARDS ESTABLISHED IN THE GENERAL PERMIT WHEN NOTIFIED BY IDNR.

C. REPORT ANY HAZARDOUS CONDITIONS AND UPDATE THE PLAN

NOT MORE THAN SIX HOURS AFTER THE ONSET OF A HAZARDOUS CONDITION THE IDNR AND LOCAL SHERIFF'S OFFICE OR THE OFFICE OF THE SHERIFF OF THE AFFECTED COUNTY SHALL BE NOTIFIED. THE STORM WATER POLLUTION PREVENTION PLAN MUST BE MODIFIED WITHIN 14 CALENDAR DAYS OF A HAZARDOUS CONDITION.
1. DESCRIBE THE RELEASE AND THE CIRCUMSTANCES LEADING TO THE RELEASE.
2. IDENTIFY AND IMPLEMENT STEPS TO PREVENT THE REOCCURRENCE OF SUCH RELEASES.

D. PROVIDE FOR PLAN LOCATION AND ACCESS

THE GENERAL PERMIT HAS SPECIFIC REQUIREMENTS REGARDING PLAN LOCATION AND ACCESS.
PLAN LOCATION – A COPY OF THE POLLUTION PREVENTION PLAN MUST BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
RETENTION OF RECORDS – RETENTION OF RECORDS FOR 3 YEARS AFTER THE COMPLETION OF FINAL SITE STABILIZATION.
ACCESS – ALTHOUGH PLANS AND ASSOCIATED RECORDS ARE NOT NECESSARILY REQUIRED TO BE SUBMITTED TO THE IDNR, THESE DOCUMENTS MUST BE MADE AVAILABLE UPON REQUIRED TO THE DEPARTMENT OF NATURAL RESOURCES.

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY	SCHEDULE
INSTALL ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE SUCH AS STABILIZED CONSTRUCTION ENTRANCES, SILT BASINS, RISER PIPES, OUTLET PIPES, SILT TRAPS, SILT FENCE, DIVERSIONS, TERRACES, AND ETCETERA.	PRIOR TO ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
PROCEED WITH STRIPPING OF EXISTING VEGETATION AND GRADING IN ACCORDANCE WITH THE GRADING PLAN, WHILE DISTURBING NO MORE THAN NECESSARY.	AFTER INSTALLING ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE START OF ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
PROCEED WITH INFRASTRUCTURE INSTALLATION.	INFRASTRUCTURE INSTALLATION MUST OCCUR PRIOR TO ANY LOT DEVELOPMENT.
IMPLEMENT THE INSTALLATION OF TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING.	STABILIZATION MEASURES MUST BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
IMPLEMENT THE INSTALLATION OF ALL BMP'S NEEDED AND ASSOCIATED WITH THE BUILDING PHASE.	BUILDING PHASE BMP'S MUST BE INSTALLED CONCURRENTLY WITH LOT DEVELOPMENT.
PROCEED WITH REMOVAL OF BMP'S.	BMP'S MAY NOT BE REMOVED UNTIL EACH IMPACTED DRAINAGE BASIN HAS BEEN FULLY DEVELOPED. FULL DEVELOPMENT SHALL MEAN INSTALLATION OF PAVEMENT, BUILDINGS, AND UTILITIES, LANDSCAPING, AND FULLY ESTABLISHED PERMANENT SEEDING. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE REMOVAL OF ANY BMP'S.

MAINTENANCE SCHEDULE

THE FOLLOWING MAINTENANCE SCHEDULE HAS BEEN PROVIDED. THE INSPECTOR MUST PERFORM THE INSPECTIONS. THE OPERATOR/CONTRACTOR MUST PERFORM ALL NEEDED MAINTENANCE. FURTHERMORE, ALL EROSION CONTROL FEATURES REQUIRING MAINTENANCE MAY NOT BE LISTED BELOW. THE OPERATOR/CONTRACTOR AND INSPECTOR MUST PERFORM THEIR RESPECTIVE DUTIES ON ALL BMP'S THAT ARE NOT LISTED BELOW AS WELL.

1. CONSTRUCTION ENTRANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
2. STRAW BALE BARRIER – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (2.1) STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL; (2.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES; (2.3) NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY; (2.4) SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL, THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (2.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
3. SILT FENCE – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (3.1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY; (3.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCES RESULTING FROM END RUNS AND UNDERCUTTING; (3.3) SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY; (3.4) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DISPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (3.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
4. STORM DRAIN INLET PROTECTION – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (4.1) STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY AND (4.2) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABLIZED.
5. TEMPORARY DIVERSION DIKE – THE MEASURE SHALL BE INSPECTED AFTER EVERY STORM AND REPAIRS MADE TO THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FACILITY, AS NECESSARY. ONCE EVERY TWO WEEKS, WHETHER A STORM EVENT HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.
6. TEMPORARY FILL DIVERSION – SINCE THE PRACTICE IS TEMPORARY AND UNDER MOST SITUATIONS WILL BE COVERED THE NEXT WORKING DAY. THE MAINTENANCE REQUIRED SHOULD BE LOW. IF THE PRACTICE IS TO REMAIN IN USE FOR MORE THAN ONE DAY, AN INSPECTION SHALL BE MADE AT THE END OF EACH WORK DAY AND REPAIRS MADE TO THE MEASURE IF NEEDED. THE OPERATOR/CONTRACTOR SHOULD AVOID THE PLACEMENT OF ANY MATERIAL OVER THE STRUCTURE WHILE IT IS IN USE. CONSTRUCTION TRAFFIC SHOULD NOT BE PERMITTED TO CROSS THE DIVERSION.
7. TEMPORARY SEDIMENT TRAP – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (7.1) SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF OF THE DESIGN VOLUME OF WET STORAGE, SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS; (7.2) FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED, STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED; AND (7.3) THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.
8. TEMPORARY SEDIMENT BASIN – THE BASIN EMBANKMENT SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECK REGULARLY TO ENSURE THAT ITS LINING IS WELL ESTABLISHED AND EROSION-RESISTANT. THE BASIN SHOULD BE CHECKED AFTER EACH RAINFALL PRODUCING RUNOFF FOR SEDIMENT CLEANOUT AND TRASH REMOVAL. WHEN THE SEDIMENT REACHES THE CLEANOUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF.
9. TEMPORARY SEEDING – AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION WILL BE RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED. CONTROL WEEDS BY MOWING.
10. PERMANENT SEEDING – THE MAINTENANCE MEASURES AS FOLLOWS: (10.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANNING; (10.2) NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, OR ON ADVERSE SITES, WATER APPLICATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF; (10.3) INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE; [10.3.A] IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED; [10.3.B] IF STAND IS 60% DAMAGED, RE-ESTABLISH FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS; [10.3.C] IF STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER, THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE, RE-ESTABLISH THE STAND FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS.
11. MULCHING – ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS) TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING OR MATTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.
12. SOIL STABILIZATION BLANKETS & MATTING – ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATIONS OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME ANNUAL INSPECTIONS SHOULD BE ADEQUATE.
13. STREET CLEANING / SWEEPING – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (13.1) EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (13.2) WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY, DURING TIME OF HEAVY TRACK-OUT, SUCH AS DURING RAINS, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY; (13.3) UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT; AND (13.4) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.

CONTRACTOR CERTIFICATION STATEMENT:

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE AS A PART OF THE CERTIFICATION. FURTHER, BY MY SIGNATURE, I UNDERSTAND THAT I AM BECOMING A CO-PERMITEE, ALONG WITH THE OWNER(S) AND OTHER CONTRACTORS AND SUBCONTRACTORS SIGNING SUCH CERTIFICATIONS, TO THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2 FOR "STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR CONSTRUCTION ACTIVITIES" AT THE IDENTIFIED SITE. AS A CO-PERMITTEE, I UNDERSTAND THAT I, AND MY COMPANY, ARE LEGALLY REQUIRED UNDER THE CLEAN WATER ACT AND THE CODE OF IOWA, TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE STORM WATER POLLUTION PLAN DEVELOPED UNDER THIS NPDES PERMIT AND THE TERMS OF THIS NPDES PERMIT.

THIS CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE; THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM AND THE DATE THE CERTIFICATION IS MADE. SUBCONTRACTORS SHALL ALSO CERTIFY. SIGNATURES SHALL BE AFFIXED TO THIS PLAN.

SIGNATURE:	SIGNATURE:
NAME:	NAME:
TITLE:	TITLE:
COMPANY:	COMPANY:
ADDRESS:	ADDRESS:
PHONE NUMBER:	PHONE NUMBER:
SIGNATURE:	SIGNATURE:
NAME:	NAME:
TITLE:	TITLE:
COMPANY:	COMPANY:
ADDRESS:	ADDRESS:
PHONE NUMBER:	PHONE NUMBER:

NPDES INFORMATION (GENERAL PERMIT NO. 2):

1. THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE SOIL SURVEY OF POTAWATTAMIE COUNTY DESCRIBES THE SOILS ON THE SITE AS SANDY CLAY LOAM.
2. THE RECEIVING WATER FROM THE SITE IS MOSQUITO CREEK.
3. THE PURPOSE OF THE PROJECT IS TO REMOVE ALL EXISTING IMPROVEMENTS ON THE SITE AND RESTORE IT TO A GRASSED LOT.
4. THE CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT REACHED "FINAL STABILIZATION" AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. AN INSPECTION AND MAINTENANCE CHECKLIST SHALL BE PROVIDED BY THE CONTRACTOR WHICH DOCUMENTS ALL INSPECTIONS AND ANY MAINTENANCE NEEDED AND COMPLETED.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NPDES PERMIT.

CONTROLS IMPLEMENTATION:

A. IMPLEMENT CONTROLS

CONSTRUCT OR PERFORM THE CONTROLS OVER EROSION, SEDIMENTATION AND OTHER WASTE, AS INDICATED IN THE STORM WATER POLLUTION PREVENTION PLAN. THE CONTROLS MUST BE CONSTRUCTED IN THE ORDER INDICATED IN THE CONSTRUCTION ACTIVITIES & SCHEDULING.

STABILIZATION CONTROLS (MEASURES) MUST BE APPLIED WITHIN THE TIME FRAME SPECIFIED IN THE GENERAL PERMIT.

B. INSPECT AND MAINTAIN CONTROLS

INSPECTIONS – THE GENERAL PERMIT REQUIRES INSPECTION EVERY 7 DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCH OR GREATER OF RAINFALL. ALL DISTURBED AREAS OF THE SITE, AREAS FOR MATERIAL STORAGE, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, ALL OF THE EROSION AND SEDIMENT CONTROLS THAT WERE IDENTIFIED AS PART OF THE PLAN, AND ACCESSIBLE DISCHARGE LOCATIONS MUST BE INSPECTED. CONTROLS MUST BE IN GOOD OPERATING CONDITION UNTIL THE CONSTRUCTION ACTIVITY IS COMPLETE AND FINAL STABILIZATION HAS BEEN REACHED.

PREPARE AN INSPECTION REPORT OF THE POLLUTION CONTROL MEASURES. THE REPORT SHALL:
A) SUMMARIZE THE SCOPE OF THE INSPECTION
B) PROVIDE THE NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION
C) DATE(S) OF THE INSPECTION
D) IDENTIFY ANY DAMAGES OR DEFICIENCIES IN THE CONTROL MEASURES (INCLUDE PICTURES)
E) IDENTIFY WHAT ACTIONS WILL BE TAKEN TO MODIFY POLLUTION CONTROL PRACTICES.

THESE REPORTS DOCUMENT THE INSPECTION OF THE POLLUTION PREVENTION MEASURES. INSPECTION REPORTS MUST CONTAIN THE FOLLOWING CERTIFICATION STATEMENT AND BE SIGNED IN ACCORDANCE WITH THE SIGNATORY REQUIREMENTS FOUND IN THE GENERAL PERMIT (I.E., PRINCIPAL EXECUTIVE OFFICER, VICE-PRESIDENT, GENERAL PARTNER, PROPRIETOR, ELECTED OFFICIAL).

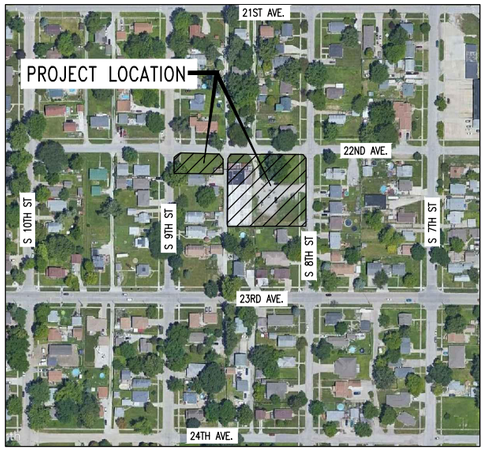
INSPECTION REPORT CERTIFICATION STATEMENT:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

MAINTENANCE/REPAIRS – USE THE INSPECTION REPORTS TO RECORD SCHEDULED MAINTENANCE. ANY CHANGES THAT MAY BE REQUIRED TO CORRECT DEFICIENCIES IN THE STORM WATER POLLUTION PREVENTION PLAN NOTED DURING AN INSPECTION SHOULD BE MADE AS SOON AS PRACTICAL AFTER AN INSPECTION BUT IN NO CASE LATER THAN 7 DAYS AFTER THE INSPECTION.

SWPPP INDEX OF SHEETS:

C101	SITE LAYOUT & GRADING PLAN
C102	STORM WATER POLLUTION PREVENTION PLAN NOTES & DETAILS
C103	STORM WATER POLLUTION PREVENTION PLAN SITE MAP



1 LOCATION MAP
NO SCALE

NORTH

DESIGNED: MJH
DRAWN: DGD
CHECKED: RMD
ISSUE DATE: 08/10/2021
REVISIONS: No.: DATE: BY: DESCRIPTION:

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CITY OF COUNCIL BLUFFS
RELIANCE BATTERY SITE DEMOLITION
813 22ND AVENUE
COUNCIL BLUFFS, IA

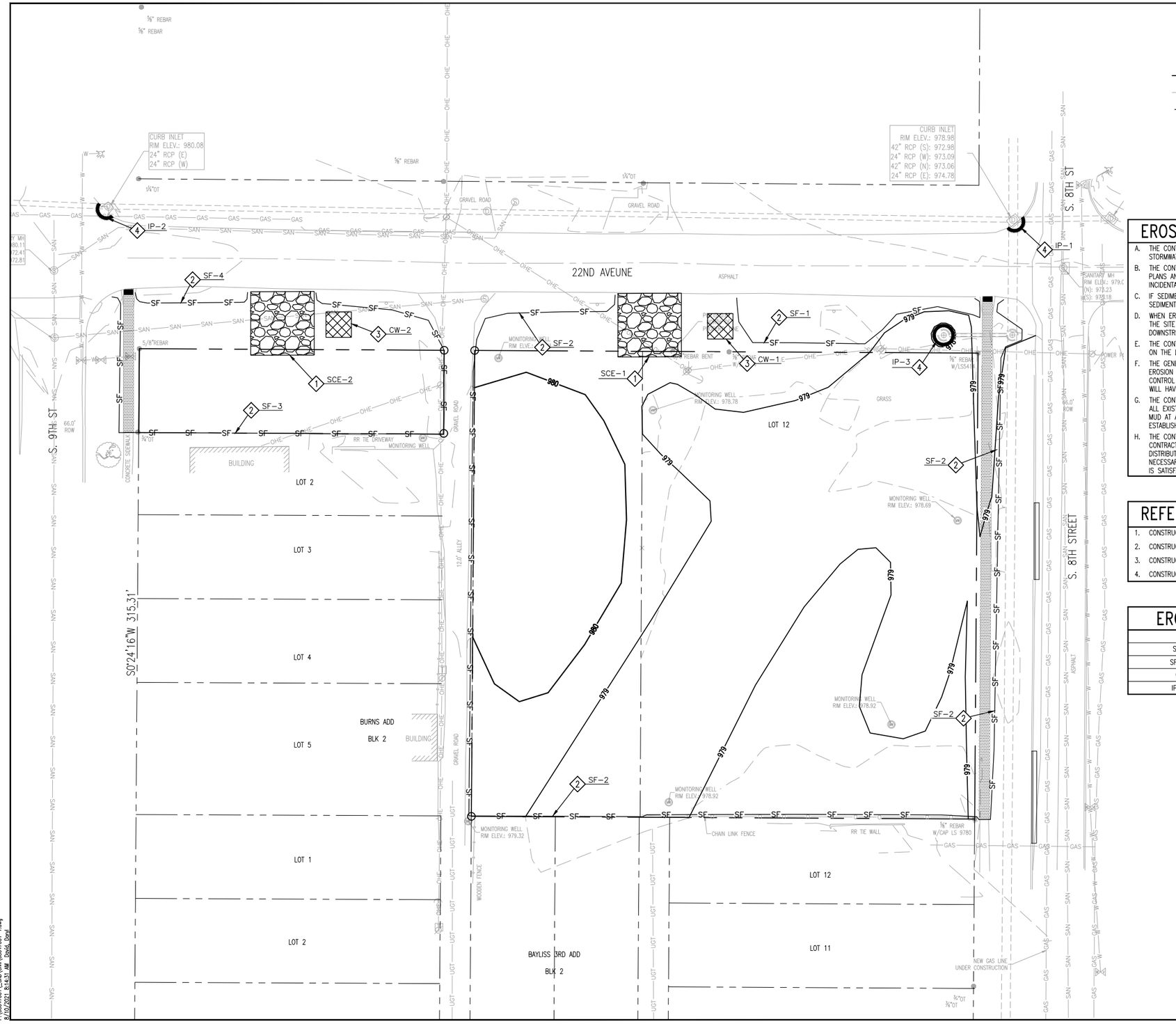
STORM WATER POLLUTION PREVENTION PLAN NOTES & DETAILS

PROJECT NO.: 08047.001

C102

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PERMIT NUMBER TBD



LEGEND

- XX — PROPOSED CONTOUR
- XX — EXISTING CONTOUR
- SF — SILT FENCE
- CONSTRUCTION ENTRANCE
- CONCRETE WASH-OUT AREA
- INLET PROTECTION

NORTH

20 0 20

1 inch = 20 ft.

EROSION CONTROL NOTES:

A. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN NPDES PERMIT THROUGH IOWA DNR FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

B. THE CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL PROCEDURES SET FORTH ON THESE PLANS AND IN THE SPECIFICATIONS. ALL EROSION CONTROL EFFORTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. THIS INCLUDES REMOVAL OF ACCUMULATED SEDIMENT.

C. IF SEDIMENT IS TRACKED ON PUBLIC AREAS, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SEDIMENT IMMEDIATELY. THIS ITEM WILL BE STRICTLY ENFORCED.

D. WHEN EROSION CONTROL DEVICES ARE CLEANED OUT, SEDIMENT MUST EITHER BE DISTRIBUTED OVER THE SITE OR PLACED UPSTREAM OF THE STRUCTURE. SEDIMENT MUST NEVER BE PLACED DOWNSTREAM OF THE STRUCTURE.

E. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY EROSION CONTROL DEVICES AS SHOWN ON THE DRAWINGS UNTIL THE SITE IS STABILIZED.

F. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES. ANY CONSTRUCTION OR MAINTENANCE ISSUES REGARDING EROSION CONTROL METHODS WILL BE DIRECTED TO THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR WILL HAVE 24 HOURS AFTER NOTIFICATION TO REMEDY ANY ITEMS THAT ARE ADDRESSED.

G. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EROSION CONTROL. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING STREETS OPEN TO TRAFFIC AND THEY SHALL BE KEPT CLEAN AND FREE OF SILT AND MUD AT ALL TIMES. ALL DISTURBED AREAS SHALL BE SEEDED ONCE FINAL GRADE HAS BEEN ESTABLISHED.

H. THE CONTRACTOR SHALL FURNISH WATER FOR DUST CONTROL AND COMPACTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING DUST CONTROL. THE WATER SUPPLY AND DISTRIBUTION SHALL BE SUFFICIENT TO APPLY THE AMOUNT OF WATER WITHIN THE TIME INTERVAL NECESSARY TO ENSURE THAT THE AMOUNT OF DUST OR BLOWING DIRT IS KEPT TO A MINIMUM AND IS SATISFACTORY TO THE OWNER.

REFERENCED CONSTRUCTION NOTES(#):

1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER IOWA SUDAS FIGURE 9040.120.
2. CONSTRUCT SILT FENCE PER IOWA SUDAS FIGURE 9040.119.
3. CONSTRUCT CONCRETE WASHOUT PER CITY OF COUNCIL BLUFFS SUPPLEMENTAL DRAWINGS.
4. CONSTRUCT TEMPORARY FILTER SOCK INLET PROTECTION PER IOWA SUDAS SECTION 7E-4.

EROSION CONTROL DEVICES SCHEDULE

NAME	TYPE
SCE-1, SCE-2	CONSTRUCTION ENTRANCE
SF-1 thur SF-4	SILT FENCE
CW-1, CW-2	CONCRETE WASHOUT
IP-1 thru IP-3	INLET PROTECTION

DESIGNED: MJH
DRAWN: DGD
CHECKED: RMD

ISSUE DATE: 08/10/2021
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STORM WATER POLLUTION PREVENTION PLAN SITE MAP

PROJECT NO.: 08047.001

C103

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