PETERSON PARK IMPROVEMENTS

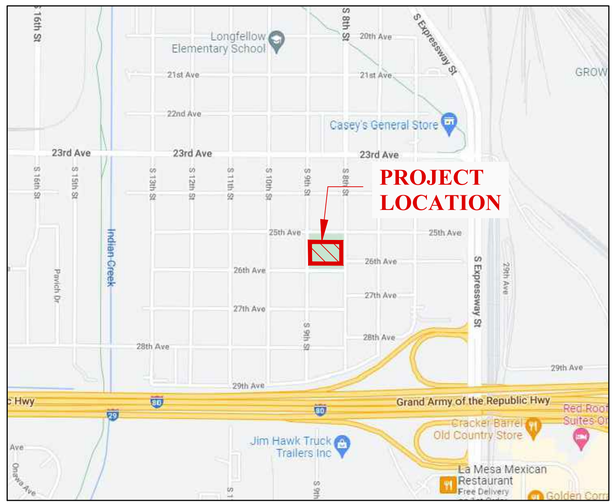
2500 South 8th Street

Council Bluffs Parks and Recreation Department

CB PROJECT
#R23-10

SCHEDULE OF SHEETS

SHEET C0.0	COVER SHEET
SHEET C0.1	SITE SURVEY
SHEET C1.0	DEMOLITION PLAN
SHEET C2.0	LAYOUT PLAN
SHEET C3.0	GRADING / STORM SEWER PLAN
SHEET C3.1	GRADING PLAN – ENLARGEMENT
SHEET C4.0	SITE DETAILS
SHEET C4.1	SITE DETAILS
SHEET C5.0	STANDARD CIVIL DETAILS



LOCATION MAP
NOT TO SCALE

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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. 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.

3. 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.

4. 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.

5. 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.

6. CONSTRUCTION STAKING SHALL BE FURNISHED BY THE CONTRACTOR.

7. 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.

8. THE CONTRACTOR SHALL TAKE STEPS 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 CITY STANDARDS AND MAINTAIN CLEAN PAVEMENT AND SIDEWALKS THROUGHOUT AND UPON COMPLETION OF PROJECT.

9. ALL CONCRETE TRUCKS SHALL RETURN TO THE PLANT TO WASHOUT UNLESS THE CONTRACTOR DESIGNATES A LOCATION ON SITE FOR THE TRUCKS TO WASH. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND CLEANUP OF THE WASHOUT LOCATION.

10. THE CONTRACTOR SHALL ADEQUATELY BARRICADE WORK AREA DURING CONSTRUCTION TO INSURE PUBLIC SAFETY. IN ADDITION, THE CONTRACTOR SHALL INSTALL AND MAINTAIN ORANGE SAFETY FENCE AROUND THE JOB SITE PERIMETER FOR THE DURATION OF THE PROJECT.

12. THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES FOR ALL UTILITIES IS REQUIRED AND SHALL BE INCIDENTAL TO THE PROJECT.

    CONTRACTOR SHALL NOT DISTURB THE EXISTING UNDERGROUND UTILITIES DURING CONSTRUCTION. IF A DIRECT CONFLICT EXISTS AFTER FIELD VERIFICATION, THE ENGINEER RESERVES THE RIGHT TO REVISE THE PLAN TO ELIMINATE THE CONFLICT WITH THE EXISTING UTILITIES WITHOUT ADJUSTMENTS TO THE CONTRACT

13. THE CONTRACTOR WILL BE RESPONSIBLE TO SECURE THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO COMPLETE FIELD TESTING FOR SITE CONCRETE INCLUDING SLUMP/AIR AND CONCRETE STRENGTH (CYLINDERS) AND ON-SITE SOIL TESTING INCLUDING COMPACTION TESTS (MOISTURE AND DENSITY). COPIES OF REPORTS SHALL BE SENT TO THE ENGINEER.

14. 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.

15. 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/OR RE-HYDROMULCHING IN AREAS THAT DO NOT MEET SPECIFICATIONS. ANY ADDITIONAL WORK WILL BE AT THE EXPENSE OF THE CONTRACTOR.

16. PROTECT ALL BUILDINGS, STRUCTURES, DRIVES, SIDEWALKS, STREETS, POLES, FENCES, SHRUBS, TREES, SIGNS, UTILITY BOXES, ETC. THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CLEAN ALL PAVEMENTS SURFACES ONCE CONSTRUCTION IS COMPLETE.

17. ALL TURF AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED AND MATTED AS PER SPEC. SECTION 32 92 00.

18. THE CONTRACTOR WILL NOT BE PERMITTED TO WORK ON SATURDAYS, SUNDAYS, OR ANY LEGAL HOLIDAY WITHOUT THE OWNER'S WRITTEN CONSENT.

19. THE CITY WILL PURCHASE ITEMS AS NOTED ON THE PLANS AND IN THE SPECIFICATIONS AND THE CONTRACTOR WILL BE RESPONSIBLE TO PICK ITEMS UP AT CITY MAINTENANCE YARD AND DELIVER TO SITE FOR INSTALLATION.

20. TREES TO BE PROTECTED SHALL BE INDIVIDUALLY ARMORED TO PREVENT MECHANICAL DAMAGE. THESE TREES SHALL BE PROTECTED BY WRAPPING IN BURLAP THREE (3) LAYERS AND PLACING VERTICAL 2"X4" BOARDS WIRED IN PLACE SPACED NO MORE THAN 2 INCHES APART TO A HEIGHT OF 5 FEET ABOVE THE GROUND. THE ARMORING SHALL BE REMOVED ONLY AFTER COMPLETION OF ALL GRADING OPERATIONS AND WITH THE APPROVAL OF THE ARCHITECT/ENGINEER.

21. THE CONTRACTOR SHALL PLAN ON PICK UP ITEMS NOTED FOR OWNER PURCHASE AND CONTRACTOR TO INSTALL FROM PARK'S DEPARTMENT MAINTENANCE FACILITY LOCATED AT 3200 1600 AVE, COUNCIL BLUFFS.

22. NOTE: THE PROPOSED PARK SHELTER, AS NOTED ON THE PLANS, IS NOT TO BE INCLUDED IN THIS BID. THE OWNER PLANS TO BID THIS ITEM EARLY 2023. THE SHELTER WILL BE PURCHASED BY THE OWNER AND THE CONTRACTOR WILL INSTALL AS PART OF THE LATER BID. IN THIS BID, THE CONTRACTOR SHALL BLOCK OUT THOSE AREAS IN THE CONCRETE PAVEMENT FOR THE SHELTER FOOTINGS. NOTE THAT THE BID SCHEDULE FOR THIS ITEM PLANNED IN EARLY 2023 MAY HAVE NO IMPACT ON THE CONSTRUCTION SCHEDULE, OR THE CONTRACTOR MAY NOT NEED TO BLOCK OUT ITEMS DEPENDING ON DELIVERY DATES.

SIDEWALK CONSTRAINTS

1. CROSS SLOPES: CONSTRUCT ALL SIDEWALKS, CURB RAMPS, AND LANDINGS/TURNING SPACES AT A TARGET CROSS SLOPE OF 1.5%, VERIFY WITH ENGINEER WITH EXISTING SPOT ELEVATIONS. CROSS SLOPES EXCEEDING 2.0% WILL NOT BE ALLOWED, EXCEPT FOR AREAS TYING INTO EXISTING PAVEMENT. IN THESE AREAS, TRANSITION FROM EXISTING PAVEMENT CROSS SLOPE TO A CROSS SLOPE OF LESS THAN 2.0% WITHIN ONE PANEL AT A RATE NOT TO EXCEED 1.0% PER FOOT.

2. LONGITUDINAL SLOPES:
   A. SIDEWALKS. WHEN ROADWAY SLOPE EXCEEDS 5.0%: SIDEWALK LONGITUDINAL SLOPE EXCEEDING THE ROADWAY SLOPE BY MORE THAN 2.0% WILL NOT BE ALLOWED. WHEN ROADWAY SLOPE 5.0% OR LESS: SIDEWALK LONGITUDINAL SLOPE EXCEEDING 5.0% WILL NOT BE ALLOWED.

   B. RAMPS: WHEN RAMPS ARE 15.0' IN LENGTH OR LESS THE LONGITUDINAL SLOPE EXCEEDING 8.3% WILL NOT BE ALLOWED. WHEN RAMPS ARE GREATER THAN 15.0' IN LENGTH, CONSTRUCT WITH THE LONGITUDINAL SLOPE NECESSARY TO CONFORM TO THE DESIGN.

3. LANDING/TURNING SPACES: LONGITUDINAL SLOPES EXCEEDING 2.0% WILL NOT BE ALLOWED.

   ALL WORK COMPLETED THAT DOES NOT MEET THESE REQUIREMENTS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

SPECIFICATIONS:

THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, 2022, AND CITY OF COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS 2022, SHALL APPLY TO THIS PROJECT.

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

THESE DOCUMENTS SHALL NOT BE SCANNED, COPIED, OR DUPLICATED IN ANY MANNER.

LICENSED PROFESSIONAL ENGINEER
JOHN E. JORGENSEN
12655
IOWA

I hereby certify that this document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Landscape Architect under the laws of the State of Iowa.

(signature) 9/27/22 (date)

JOHN E. JORGENSEN

My license renewal date is December 31, 2023

Pages or sheets covered by this seal:
C3.0

STATE OF IOWA
TODD M. MAIELLARO
00559
PROFESSIONAL LANDSCAPE ARCHITECT

I hereby certify that this document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Landscape Architect under the laws of the State of Iowa.

TODD M. MAIELLARO
LICENSE NO. 00559

9/27/22
DATE

My license renewal date is JUNE 30, 2023.

Pages or sheets covered by this seal:
ALL PAGES, EXCEPT C3.0

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	HGM	TMM	HGM	JULY 2022		

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client: PARKS & RECREATION DEPARTMENT, City of Council Bluffs, Iowa
sheet: COVER SHEET

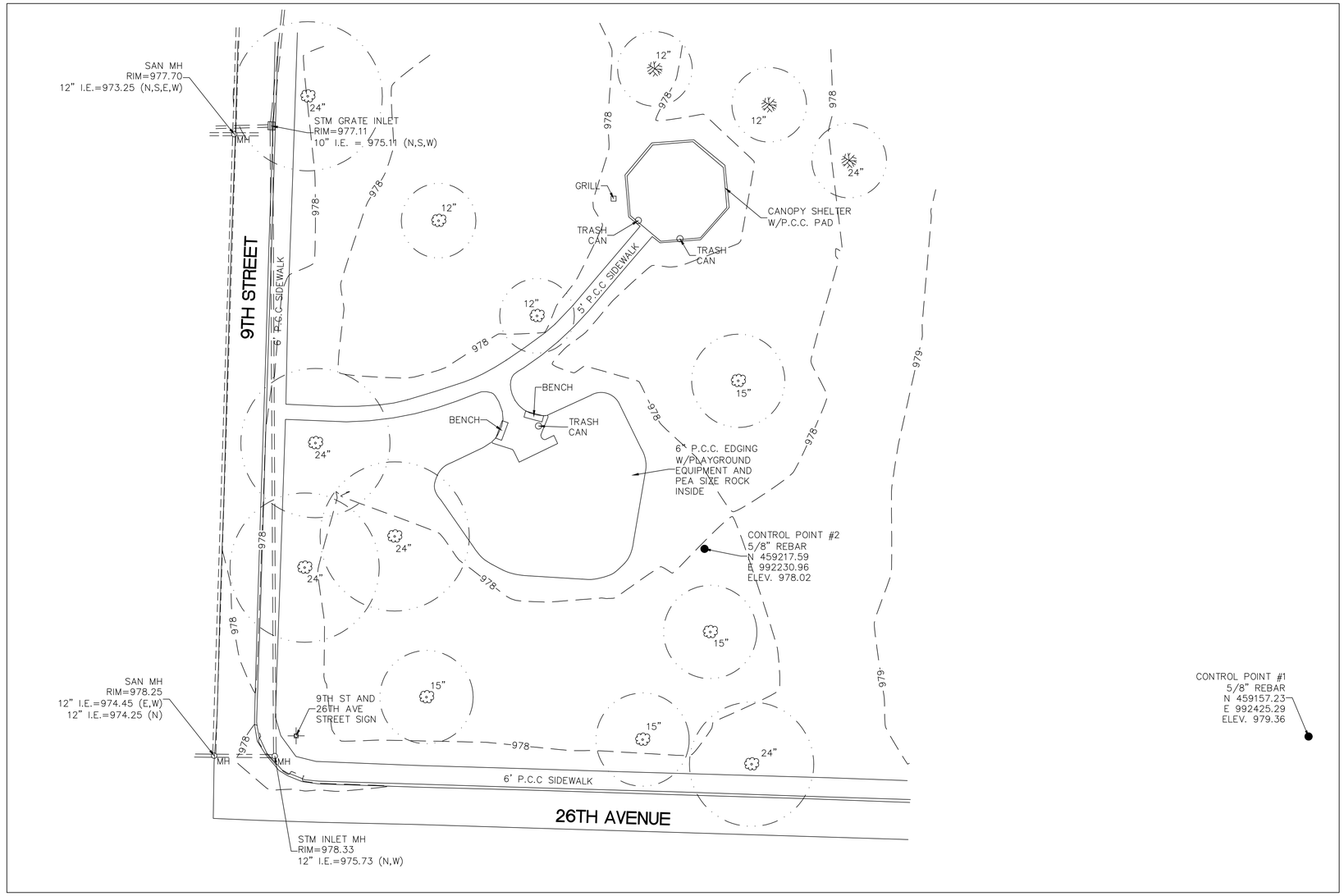
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LEGEND

- CENTER LINE
- CENTERLINE OF DITCH
- FENCE – BARB
- FENCE – CHAIN LINK
- FENCE – MIXTURE
- FENCE – PRIVACY
- FENCE – SPLIT RAIL
- FENCE – WOVEN
- GUARDRAIL
- RW — RETAINING WALL
- TOB — TOP OF BANK
- TOE — TOE OF BANK
- BOC — BACK OF CURB
- EOR — END OF RETURN
- HMA — HOT MIX ASPHALT
- PCC — PORTLAND CEMENT CONCRETE
- POB — POINT OF BEGINNING
- UAC — USE AS CONSTRUCTED
- BILLBOARD SIGN
- BORING LOCATION
- FLAG POLE
- GUARDRAIL POST
- MAILBOX
- NO PARKING SIGN
- PIEZOMETER
- POST ROUND
- POST SQUARE
- STOP SIGN
- STREET SIGN
- CATV — CABLE TELEVISION BOX
- CONTROL CABINET
- EB — ELECTRICAL PULL BOX
- TF — ELECTRICAL TRANSFORMER
- ETB — ELECTRICAL TRANSFORMER BOX
- GUY POLE
- GUY WIRE
- LIGHT POLE
- LUMINAIRE
- POWER POLE
- POWER AND LIGHT POLE
- POWER POLE W/ TRANSFORMER
- PB — PULL BOX
- TCB — TRAFFIC CONTROL BOX
- TELEPHONE POLE
- TRAFFIC SIGNAL
- TELEPHONE TERMINAL BOX
- YARD LIGHT
- G — GAS METER
- G — VALVE – GAS
- RRB — RAILROAD CONTROL BOX
- RR — RAILROAD CROSS BUCKS SIGN
- RAILROAD FROG
- RAILROAD POINT OF SWITCH
- RAILROAD SIGNAL
- RAILROAD TRACK
- SAN — SANITARY SEWER
- STM — STORM SEWER
- CLEAN–OUT
- EXISTING PIPE PLUG
- FES — FLARED END SECTION
- INLET–BEEHIVE
- INLET–COMBINATION
- INLET–GRATE (ROUND)
- INLET–GRATE (SQUARE)
- MANHOLE
- BENCH MARK
- CONTROL POINT
- FOUND CONCRETE MONUMENT
- FOUND IRON PIN
- RIGHT OF WAY RAIL
- SET PIN
- BUSH
- HEDGE
- DECIDUOUS TREE
- EVERGREEN TREE
- STUMP W/ DIAMETER
- FIRE HYDRANT
- MW — MONITORING WELL
- POST INDICATOR VALVE
- SCB — SPRINKLER CONTROL BOX
- SPRINKLER HEAD
- W — VALVE – WATER (MAIN LINE)
- W — WATER METER
- WELL
- YH — YARD HYDRANT



1 SITE SURVEY
SCALE: 1" = 20'-0"

N

0 10' 20' 40'

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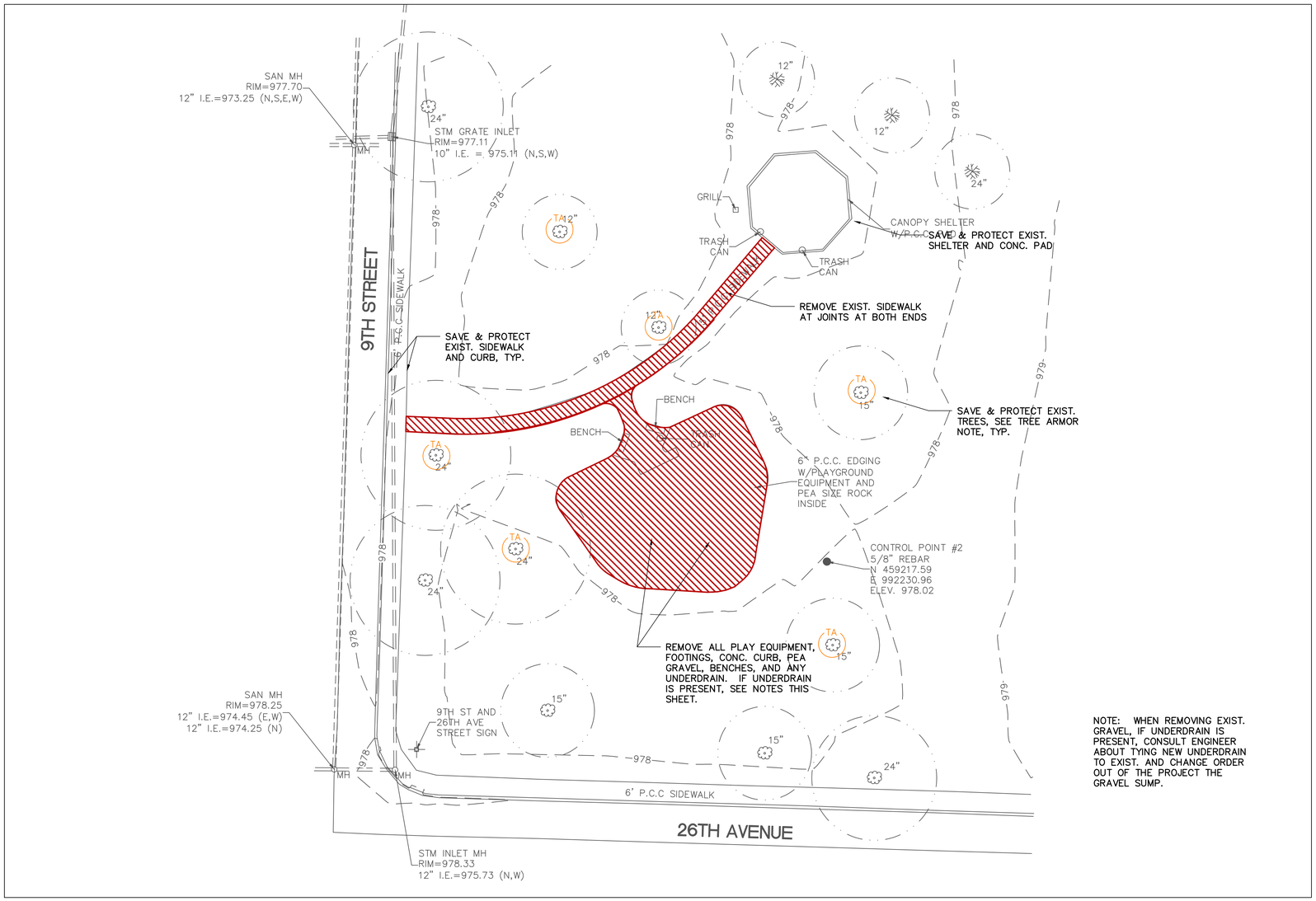
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HGM approved
JULY 2022 date
date revision date

project PETERSON PARK IMPROVEMENTS
2500 South 8th Street
client PARKS & RECREATION DEPARTMENT
City of Council Bluffs, Iowa
sheet SITE SURVEY

project no.
150322
sheet
C0.1



1 DEMOLITION PLAN

SCALE: 1" = 20'-0"

N

0 10' 20' 40'

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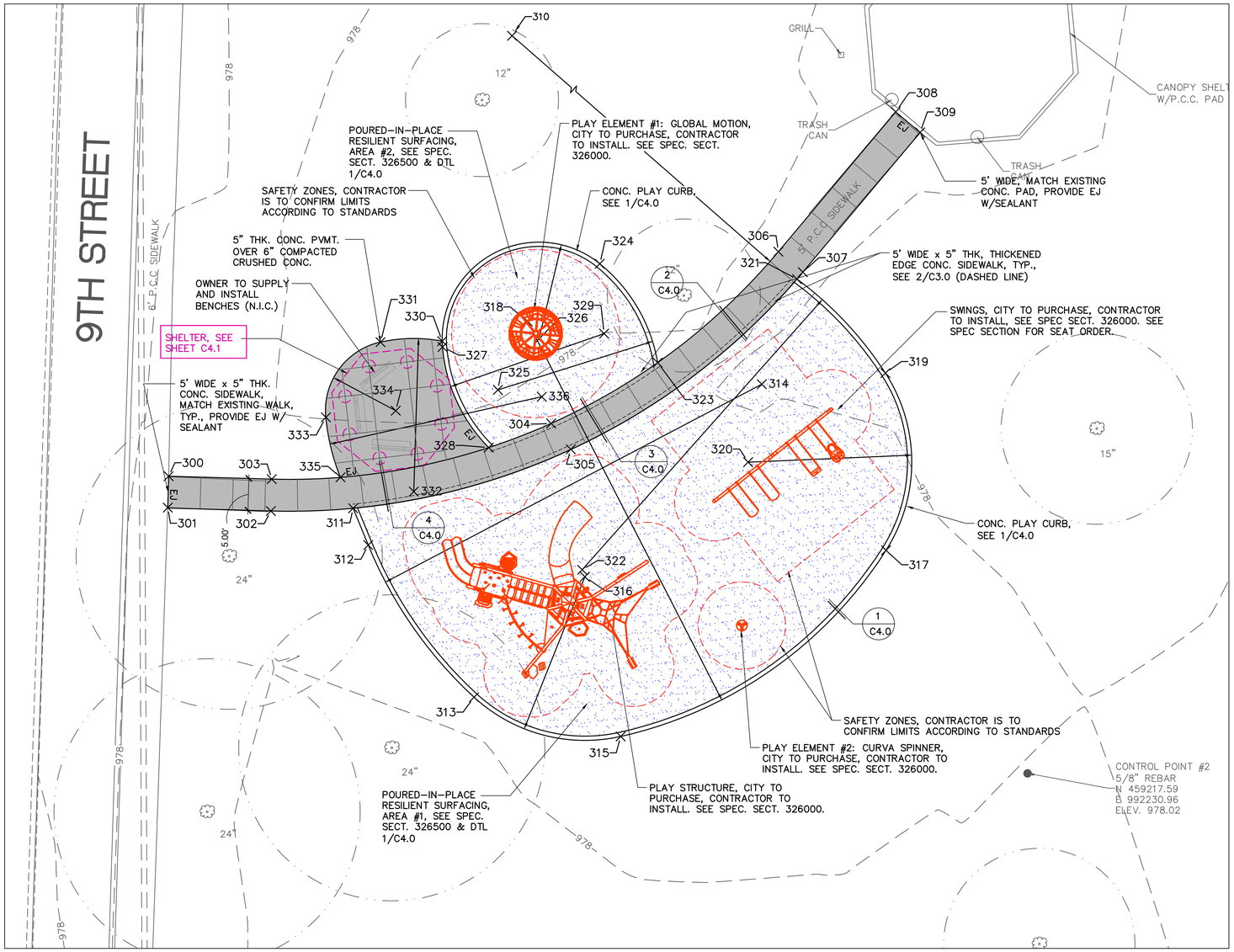
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City of Council Bluffs, Iowa

sheet DEMOLITION PLAN

project no. 150322

sheet C1.0

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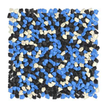


1 LAYOUT PLAN
SCALE: 1" = 10'-0"

N

0 5' 10' 20'

PLAYGROUND SURFACING COLORS, SEE SPEC. SECTION 32 65 00



CUSTOM MIX:
BLACK: 50%
SKY BLUE: 40%
PEARL: 10%

NOTE: SHELTER NOTED IN PURPLE BOX IS NOT INCLUDED IN THIS PROJECT'S BID. THIS ITEM WILL BE BID IN THE NEAR FUTURE. CONTRACTOR TO PREPARE AREA TO RECEIVE THIS ITEM IN FUTURE BY BLOCKING OUT FOR FOOTING LOCATIONS IN CONCRETE PAVEMENT AS NECESSARY, AS AN EXAMPLE. COORDINATE WITH OWNER AND ARCHITECT DURING CONSTRUCTION. SEE ADDITIONAL NOTES ON COVER SHEET.

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	459264.19	992096.28	978.10	TOS
301	459259.26	992096.14	978.15	TOS
302	459258.73	992112.30	978.25	TOS
303	459263.72	992112.45	978.20	TOS
304	459272.46	992156.25	978.33	TOS
305	459268.40	992159.34	978.38	TOS
306	459299.39	992191.89	978.33	TOS
307	459296.17	992195.72	978.38	TOS
308	459321.30	992210.28	978.66	TOS
309	459318.08	992214.11	978.66	TOS
310	459363.68	992115.30	978.06	100'/105' RADIUS
311	459259.15	992125.21	978.38	TOS
312	459253.38	992127.58	978.36	TOP
313	459229.53	992144.17	978.31	TOP
314	459278.61	992189.29	978.36	66.67' RADIUS
315	459223.38	992167.16	978.25	TOP
316	459248.43	992161.54	978.32	25.67' RADIUS
317	459252.58	992208.77	978.25	TOP
318	459288.43	992152.57	978.26	66.67' RADIUS
319	459280.35	992208.66	978.31	TOP
320	459266.38	992187.13	978.33	25.67' RADIUS
321	459295.09	992194.80	978.38	TOP
322	459249.51	992161.12	978.33	56.67' RADIUS
323	459281.98	992172.96	978.33	TOS
324	459297.49	992163.88	978.25	TOP
325	459277.71	992147.90	978.29	25.42' RADIUS
326	459285.69	992154.34	978.27	15.17' RADIUS
327	459284.44	992139.23	978.26	TOP
328	459268.67	992146.47	978.33	TOP
329	459286.53	992164.56	978.29	25.42' RADIUS
330	459285.35	992139.18	978.25	TOS
331	459285.19	992129.50	978.21	TOS
332	459261.77	992134.71	978.36	24.0' RADIUS
333	459273.41	992120.94	978.24	TOS
334	459274.46	992131.89	978.25	11.0' RADIUS
335	459264.00	992123.22	978.30	TOS
336	459276.64	992154.79	978.31	34.0' RADIUS

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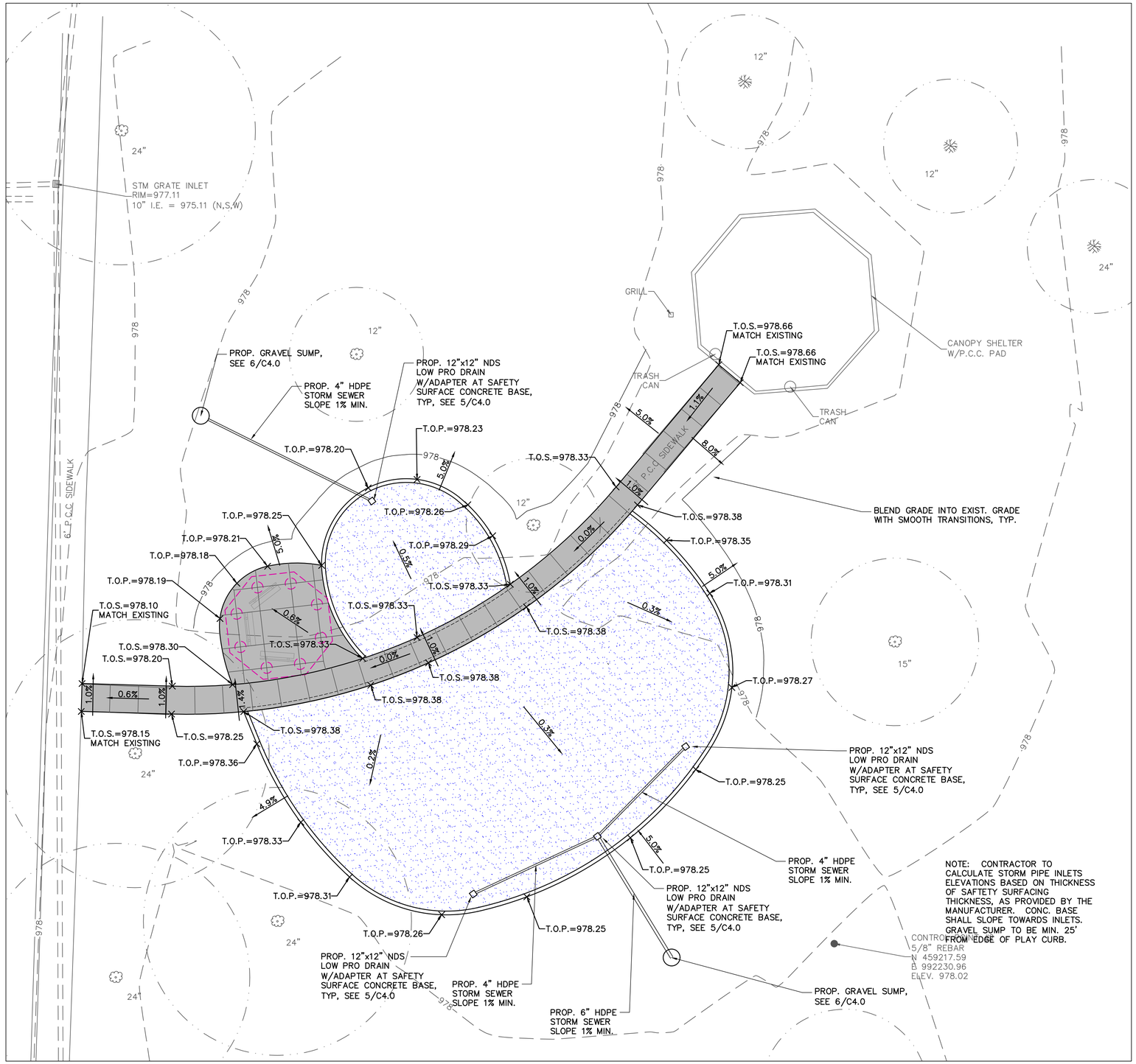
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City of Council Bluffs, Iowa

sheet LAYOUT PLAN

project no. 150322

sheet C2.0

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1 GRADING / STORM SEWER PLAN

SCALE: 1" = 10'-0"

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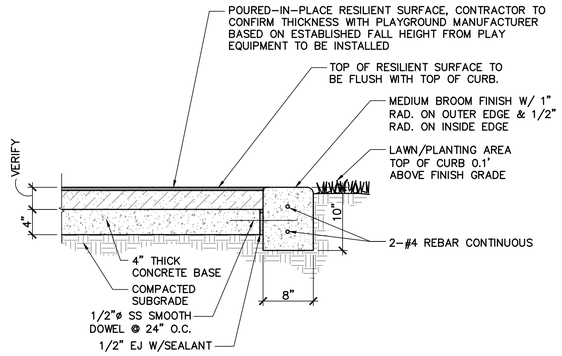
project PETERSON PARK IMPROVEMENTS
2500 South 8th Street

client PARKS & RECREATION DEPARTMENT
City of Council Bluffs, Iowa

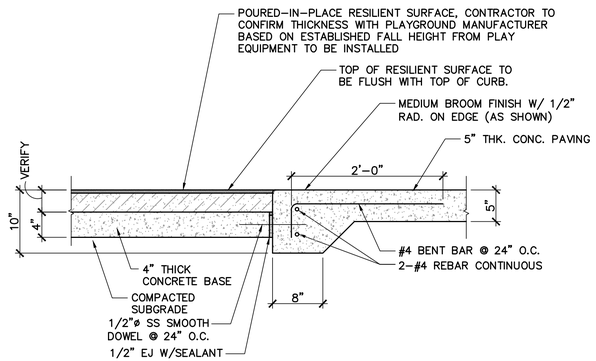
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project no. 150322

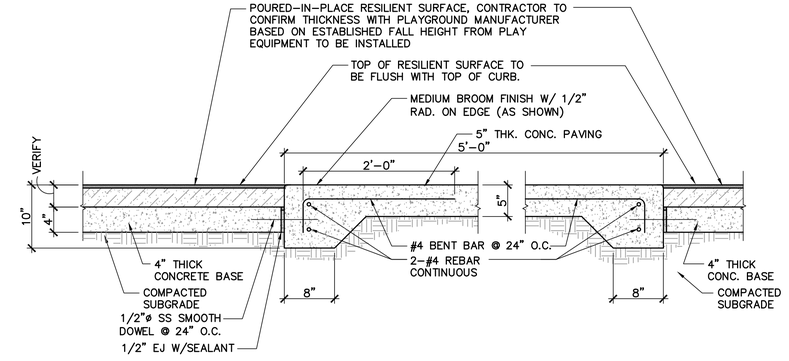
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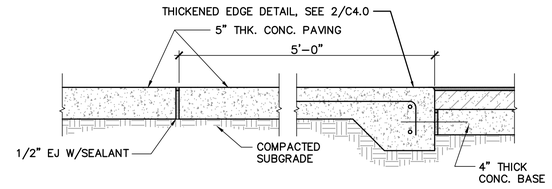
1 CONC. PLAY CURB & SURFACING DETAIL
SCALE: 1" = 1'-0"



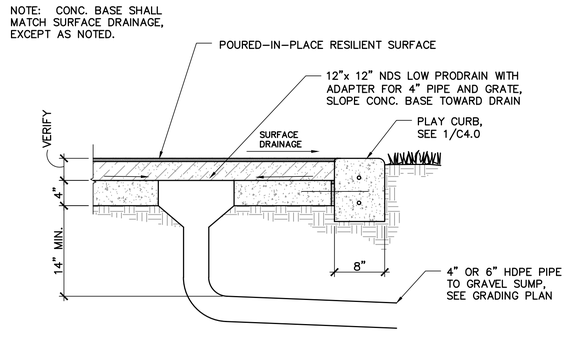
2 THICK. EDGE SIDEWALK @ SURFACING DETAIL
SCALE: 1" = 1'-0"



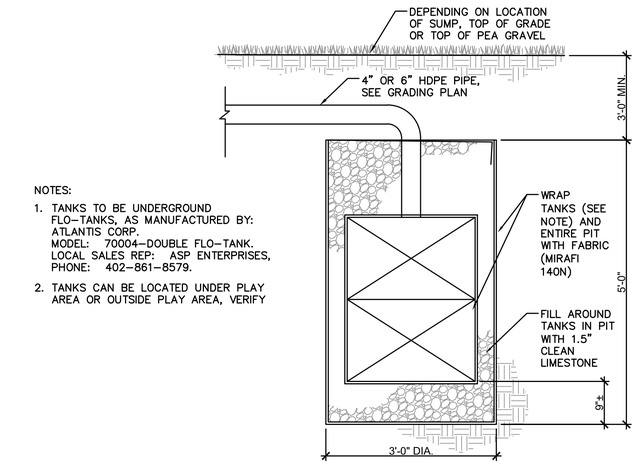
3 THICK. EDGE SIDEWALK @ SURFACING/SURFACING
SCALE: 1" = 1'-0"



4 THICK. EDGE SIDEWALK @ SURFACING/PVMT
SCALE: 1" = 1'-0"



5 DRAIN INLETS UNDER SURFACING DETAIL
SCALE: 1" = 1'-0"



NOTES:
1. TANKS TO BE UNDERGROUND FLO–TANKS, AS MANUFACTURED BY: ATLANTIS CORP.
   MODEL: 70004–DOUBLE FLO–TANK.
   LOCAL SALES REP: ASP ENTERPRISES,
   PHONE: 402–861–8579.
2. TANKS CAN BE LOCATED UNDER PLAY AREA OR OUTSIDE PLAY AREA, VERIFY

6 DRAINAGE SUMP DETAIL
SCALE: 3/4" = 1'-0"

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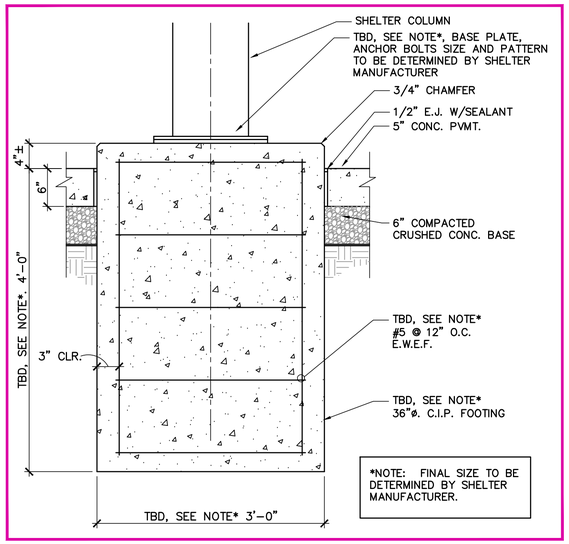
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HGM drawn
TMM designed
HGM approved
JULY 2022 date
revision date

project PETERSON PARK IMPROVEMENTS
2500 South 8th Street
client PARKS & RECREATION DEPARTMENT
City of Council Bluffs, Iowa
sheet SITE DETAILS

project no. 150322
sheet C4.0

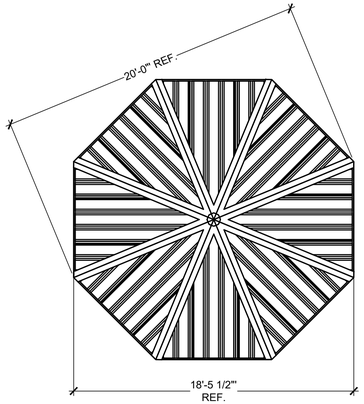
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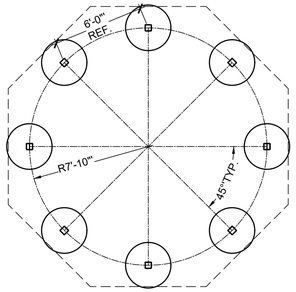
1 SHELTER FOOTING DETAIL (N.I.C.-FOR FUTURE BID)

SCALE: 1" = 1'-0"

NOTE: SHELTER NOTED IN PURPLE BOX IS NOT INCLUDED IN THIS PROJECT'S BID. THIS ITEM WILL BE BID IN THE NEAR FUTURE. CONTRACTOR TO PREPARE AREA TO RECEIVE THIS ITEM IN FUTURE BY BLOCKING OUT FOR FOOTING LOCATIONS IN CONCRETE PAVEMENT AS NECESSARY, AS AN EXAMPLE. COORDINATE WITH OWNER AND ARCHITECT DURING CONSTRUCTION. SEE ADDITIONAL NOTES ON COVER SHEET.

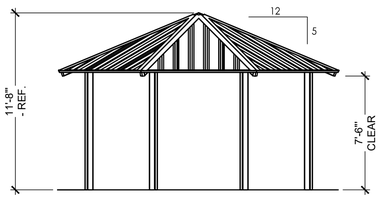


PLAN VIEW

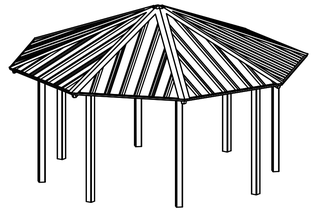


BASEPLATE NOTES:
1. POLIGON ENGINEERING WILL DETERMINE REQUIRED BASEPLATE DESIGN AFTER ENGINEERING PACKAGE IS ORDERED.

2. CUSTOMER MAY SUGGEST PREFERRED BASEPLATE DESIGN.



ELEVATION VIEW



ISOMETRIC VIEW

SHELTER NOTES:
1. POLIGON SHELTER SHOWN, OCTAGON, OCT-20.

2. PROVIDE SHOP DRAWINGS AS LISTED IN SPECIFICATIONS.

3. SHELTER TO HAVE STANDING MULTI-RIB ROOF.

4. FINAL COLORS TO BE CHOSEN FROM MANUFACTURER'S STANDARD COLORS.

5. COLUMN BASE CONNECTION: TBD. CONTRACTOR TO WORK WITH OWNER/ARCHITECT ON BASE CONNECTION OPTIONS. PROVIDE BASEPLATE COVER FOR EXPOSED BOLTS (S43).

2 SHELTER DETAIL (N.I.C. - FOR REFERENCE FOR FUTURE BID)

NO SCALE

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TMM			
designed			
HGM			
approved			
JULY 2022			
date	revision		date

project PETERSON PARK IMPROVEMENTS
2500 South 8th Street

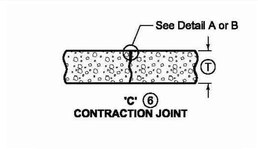
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City of Council Bluffs, Iowa

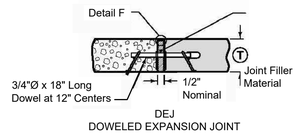
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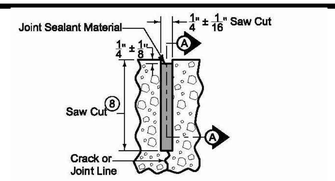
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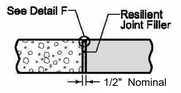
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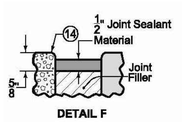
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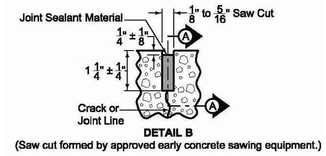








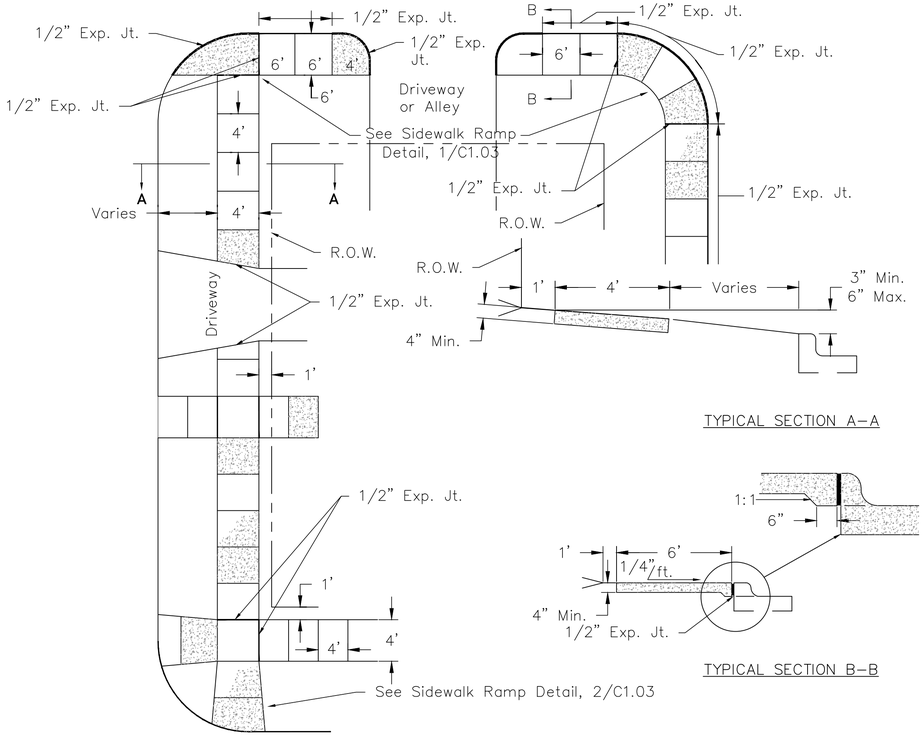




⑧ Saw 'CD' joint to a depth of T/3 ± 1/4"; saw 'C' joint to a depth of T/4 ± 1/4".

⑨ When tying into old pavement, Ⓣ represents the depth of sound PCC.

SIDEWALK JOINTS



TYPICAL SECTION A–A

TYPICAL SECTION B–B

NOTES

1. ONE HALF INCH EXPANSION JOINTS SHALL BE PLACED IN ALL SIDEWALKS AT INTERVALS OF NOT MORE THAN 50' AND AS SHOWN WHERE SIDEWALKS BUTT AGAINST CURB. IF THE SIDEWALK TO BE CONSTRUCTED IS LESS THAN 50' IN LENGTH ONE SUCH EXPANSION JOINT SHALL BE PLACED AS DIRECTED BY THE ENGINEER, EXPANSION MATERIAL IS ALSO NEEDED WHERE SIDEWALKS BUTT AGAINST BUILDINGS AND RETAINING WALLS.

2. SIDEWALK SLOPE MAY BE VARIED TO SUIT EXISTING CONDITIONS. RECOMMENDED MIN. & MAX. TO BE 1/4"/FT. AND 1/2"/ FT., RESPECTIVELY. VARIATIONS TO SUIT EXTREME CONDITIONS TO BE AT DIRECTION OF PUBLIC WORKS.

3. ALL SIDEWALKS 5 FT. OR MORE IN WIDTH SHALL BE SCORED IN PANELS NO GREATER THAN 5' IN LENGTH.

4. NO SIDEWALK REPAIR SHALL BE LESS THAN ONE COMPLETE PANEL.

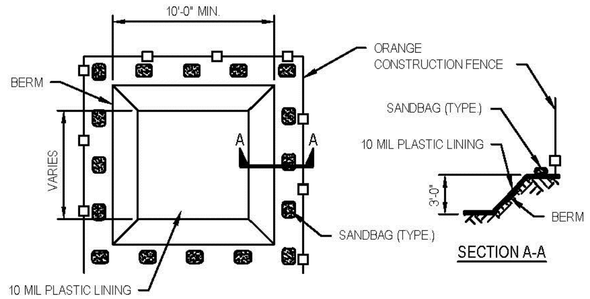
5. USE SEALING FILLER, POLYURETHANE, ON ALL EXPANSION JOINTS, PER SPECIFICATIONS.

6. WHEELCHAIR RAMPS, SHALL BE CONSTRUCTED AT ALL POINTS OF ENTRY.

7. CONTRACTION JOINTS SHALL BE SCORED TO A MINIMUM DEPTH OF T/4, WHERE "T" IS THE SIDEWALK THICKNESS.

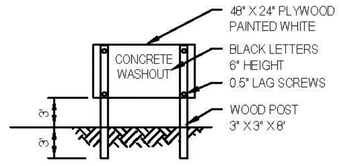
SIDEWALK DETAILS

SCALE : NONE

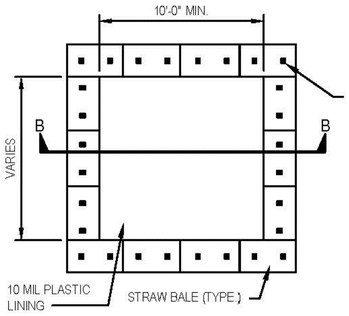


PLAN - BELOW GRADE OPTION

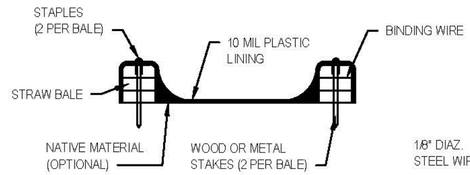
SECTION A-A



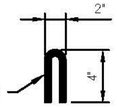
CONCRETE WASHOUT SIGN DETAIL



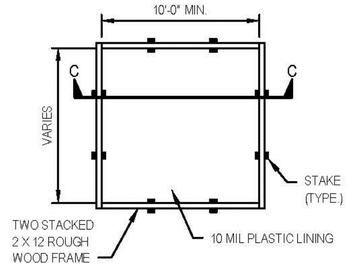
PLAN - ABOVE GRADE W/ STRAW BALES OPTION



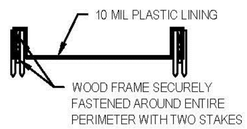
SECTION B-B



STAPLE DETAIL



PLAN - ABOVE GRADE OPTION



SECTION C-C

CONCRETE WASHOUT AREA INSTALLATION NOTES:

1. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. THE CONCRETE WASHOUT AREA WILL BE CONSTRUCTED ABOVE GRADE OR BELOW GRADE AT THE OPTION OF THE CONTRACTOR. THE ACTUAL LAYOUT SHALL BE DETERMINED IN THE FIELD.
3. THE CONCRETE WASHOUT AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. THE WASHOUT AREA MUST BE CLEANED, OR A NEW WASHOUT AREA MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
4. THE CONCRETE WASHOUT SIGN SHALL BE PLACED WITHIN 30' OF THE WASHOUT AREA. ADDITIONAL SIGNS SHOULD BE CONSTRUCTED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. THE CONCRETE WASHOUT AREA SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DISCHARGE FACILITIES, AND WATERCOURSES. EACH FACILITY SHOULD BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS TO PREVENT DISTURBANCE OR TRACKING. VEHICLE TRACKING CONTROL IS REQUIRED AT CONCRETE WASHOUT ENTRANCE IF ACCESS TO AREA IS OFF PAVEMENT.
6. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
7. WHEN THE CONCRETE WASHOUT AREA IS NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE AND MATERIAL USED TO CONSTRUCT WASHOUT AREA SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED WASTE SITE.
8. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE ENGINEER.

CONCRETE WASHOUT AREA

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drown	designed	approved	date

revision date

project PETERSON PARK IMPROVEMENTS
2500 South 8th Street

client PARKS & RECREATION DEPARTMENT
City of Council Bluffs, Iowa

sheet STANDARD CIVIL DETAILS

project no.
150322

sheet
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