

	5	6	7	3	3
				SHEET INDEX	Ś
				<u>GENERAL</u>	
2				G-001 G-002 G-003	COVER S⊢ GENERAL GENERAL
				CIVIL	
				C-001 C-002 C-101 C-102	CIVIL NOTE CIVIL NOTE EXISTING S EROSION C
				C-103 C-104 C-105 C-106	SITE DEMO SITE LAYOU CONSTRUC STORM SEV
JIIY AASF				C-107 C-501 C-502 C-503	STORM SEV STANDARD STANDARD STANDARD
				0-204	3 I ANDARD

	* DEPART		E S		DF RANA A				All P	HITARY *	
										2/12/24	DATE
										ISSUED FOR BID	MARK DESCRIPTION
SUE DATE:	EBRUARY 2024	FMO NO.:	37074			382814	1005017	CALE	O SCALE		
	LINDSAY SHAGLA FE	DRAWN BY: CF	LINDSAY SHAGLA 46							SIZE: FILE NAME	ANSI D G-001.DWG
	South Delicite Army Netional Cuerd	Double Dation Arming National Guard	Rapid City Attity Avlation Support Facility Devid City Conth Delete						703 Main St Suite 200	Rapid City, South Dakota 57701	
Ranid City Army Aviation Support Facility	Drainaran hadall Batusan Barman and Hanaran Banid City, AACE	Dialitage Ilisiali Deweeli Nalityan Stata of South Dalata		CTNO #40/0/4					COVER SHEFT		
		s	SH	E)	T (D	1	

SHEET AL ABBREVIATIONS L LEGEND

SITE CONTROL IOLITION OUT & ALIGNMENT DATA JCTION PHASING EWER PLAN & PROFILE EWER PLAN & PROFILE D DETAILS D DETAILS D DETAILS D DETAILS D DETAILS



5	6		7	8
BOLOGY	IDENTIF	ICATION SYN	1BOLOGY	SHEET NAMI
X ARROW INDICATES POINT OF VIEW		PIPING		AREA DESIGNATION
XXX ELEVATION NUMBER	FIGURE	36"-PLE	EXAMPLE	TO BE EDITED ON AN A PROJECT THE PROJECT MANAGER, THEI
INTERIOR EXTERIOR SHEET WHERE ELEVAT	LINE SIZE		— 36"	EXAMPLE: 01 BUILDING OR AREA NAME
SINGLE ELEVATION OR PHOTO MARK	ER SERVICE	•	— PLANT EFFLUENT	02 BUILDING OR AREA NAME 03 BUILDING OR AREA NAME
	EQUIP	MENT IDENTIFICAT	TION	DISCIPLINE DESIGNAT
X ARROW INDICATES POINT	OF	ALTERNATIVE 1		G GENERAL V SURVEYING/MAR X DEMOLITION
	FIGURE			C CIVIL L LANDSCAPING
X INDICATES SHEET WHERE ELEVATION IS LOCATED	ABBREVIATION EQUIPMENT	♦	NON-POTABLE WATER	S STRUCTURAL A ARCHITECTURA
MULTIPLE ELEVATION OR PHOTO MAR	KER ABBREVIATION BUILDING OR		- INDICATES PUMP	M MECHANICAL (H' P PLUMBING
- ELEVATION IDENTIFICA	NUMBER	•	- BUILDING 20	F FIRE PROTECTIO E ELECTRICAL Y INSTRUMENTATI
	NUMBER	AI TERNATIVE 2	- PUMP 23	DRAWING TYPE DESIG
$\begin{array}{c} x \\ \hline x \\ \hline x \\ x \\ x \\ x \\ 3'' = 1' - 0'' \end{array}$	FIGURE	NPWP-23	EXAMPLE	0 GENERAL (SYME
SHEET WHERE POINT O MARKER CAN BE FOUN	DF VIEW		_ INDICATES	2 ELEVATIONS 3 SECTIONS
ELEVATION TITLE	EQUIPMENT	•	- INDICATES PUMP	5 DETAILS 6 SCHEDULES AN
TARGET ELEVATION	EQUIPMENT NUMBER		– PUMP 23	8 PROFILES 9 3D REPRESENT
-				GRAVITY THICKENER ARCHIT
Ι				
ARCHITECTURAL				
				DISCIPLINE DESIGNATOR
				SHEET TYPE DESIGNATOR
(A) COLUMN GRID LINE				SAMPLE SHEET NUMBER
X WALL TYPE				
X WINDOW TYPE				
X LOUVER				
X ACCESSORY, FURNITUR AND MISCELLANEOUS	E,			
EQUIPMENT IDENTIFIER				
KEY NOTE DESIGNATION				
# KEY NOTE NUMBER				
GENERAL LINE SYMBOLOC	GY			
	FRUNE			
				CENEDAL NOTES
				1. THIS IS A STANDARD SHEET S
				SYMBOLOGY. ALL SYMBOLS A USED ON THIS PROJECT.
				2. SCREENING OR SHADING OF INDICATE EXISTING COMPONE DE-EMPHASIZE PROPOSED IM HIGHLIGHT SELECTED TRADE CONTEXT OF EACH SHEET FO

NG CONVENTION CT BASIS. TO BE DETERMINED BY ADDED TO THE GENERAL LEGEND.		STITLE OF SOLUTI DESCRIPTION	
		2/12/24	DATE
OR & DISCIPLINE ORDER			
PPING			
E			
- /AC)			
DN			
ON			
NATOR			
OLS, LEGENDS)		OR BI	TION
			SCRIF
EWS			DE
			MARK
UTOTIO UTOTIO			Ĵ
ECTURAL SECTION, SHEET 01			٦
AREA 02		E: 2024 VO::	
		E DATE CUARY D NO.: 74 IECT N IECT N 2814 E CALE	
		ISSUE FEBR CFMC 46707 PROJ 10382 SCAL NO S(
SECTION SHEET TYPE		AME	DWG
0 1 SHEET NUMBER 01		BY: HAGLA HAGLA SY: EY BY: EY	G-003.[
0 1		GNED SAY SH WN BY: WN BY: SAY SH CKED E CKED E S BAIL AITTEC	
		DESI LIND CHEQ CHER SUBN	ANSI
		701	
		Lard Facility ≥ 200 kota 57	
		onal Gu upport l akota St Suite outh Da	
		ny Natio ation St South D 3 Main 8 City, Sc	
		ota Arn my Avia City, S 703 Rapid (
		th Dak City Arr Rapid	
		Sou Sou	
			J
			٦
		AASF	
		d City A	
		Facility s Rapid uard	
		Support Hangar ional G 74	
		iation S s and I my Nati #46707 _ LEG	
HOWING COMMON RE NOT NECESSARILY		City Army Avistveen Ramp th Dakota Arr CFMO GENERAI	
VORK IS USED TO		Rapid (stall Bé Soul	
PROVEMENTS TO WORK. REFER TO		age In	
R USAGE.		Drair	
	REG. NO COM		J
	CHRISTOPHER M. T	SHEET ID	٦
	BALEY 5		
	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	G-003	

	STANDARD SPECIFICATIONS						
G	Standard Specifications for this project shall be the City of Rapid City Standard Specifications for Public Works Construction, 2022 Edition, hereinafter referred to as the Standard Specifications.						
	The Contractor shall notify the Engineer of conflicts between the Standards Specifications and required provisions, supplemental specifications and special provisions as included in the proposal. The more strict interpretation will be used to resolve the conflict.						
	PROJECT SEQUENCING						
	The Contractor shall use the drawings for project sequencing guidance.						
F	 Implement approved traffic control plan. Install erosion control BMPs prior to topsoil stripping or any excavation. Perform work in the phases outlined in the plans. The Contractor is responsible for scheduling of erosion control, seeding and mulching to comply with erosion control plan and storm water permit. The Contractor shall perform final restoration and erosion control installation immediately following trenching work. Complete site restoration, ditch grading, topsoil placement, compost mixing, seeding, fertilizing, mulching, erosion control matting and wattles. Remove silt fence upon request of Engineer. Remove traffic control. 						
	The Contractor shall develop a construction schedule and sequence to meet the general intent. Contractor shall refer to the traffic control plan for general phasing requirements.						
	Scheduling of erosion control, seeding, and mulching shall be scheduled in conjunction with the work to avoid erosion of the work area.						
F	PRECONSTRUCTION MEETING AND COORDINATION MEETINGS						
_	A preconstruction meeting will be conducted in accordance with the Standard Specifications. The Contractor will be required to attend this and other periodic meetings with Owner personnel and affected utilities owners for the purpose of scheduling and coordination during the course of construction. The Contractor shall also be required to coordinate with the Owner for any temporary shut off services. The Contractor/Owner will establish frequency, time, and location of the periodic meetings.						
	Not less than (7) working days prior to pre-construction meeting, the Contractor shall submit the						
	Project schedule						
	Traffic control plan						
D	Erosion and sediment control plan Subcontractor and supplier listing						
	Equipment and labor rates Material submittals						
	SUBMITTALS						
	Submittals shall be made in accordance with the Standard Specifications at least seven (7) working days before their need for approval. Submittals will be accepted only from the Prime Contractor. Any work done prior to approval shall be at the Contractor's own expense.						
	The log of construction submittals shall include but is not limited to the table below:						
С	Construction Schedule Subcontractor & Supplier List						
	Key Personnel Storm Water Plan						
	Inlet Protection PCC Concrete Mix Design						
	Silicone Seal Erosion Control Plan						
	Aggregate Base Course Concrete Manholes						
	Precast Drop Inlets Water Main Insulation						
	Silt Fence Wattles						
в	Inlet Filter Other Submittals						
	Other Erosion control items						
	PROFESS/04/						
	TI323						
A	BALEY S						
	$\frac{1}{1}$						

- 3

5	

EROSION, SEDIMENT, AND WATER POLLUTION CONTROL

A state permit is not required for this project. The Contractor shall provide an erosion and water pollution control plan that complies with the current edition of the City of Rapid City Storm Water Quality Manual.

The Contractor is advised that several agencies have the authority to "Stop Work" if the pollution prevention control is not implemented or is not effective. No compensation will be forthcoming for "Time Lost" due to a "Stop Work" order.

Maintenance and repair of erosion control devices shall be the responsibility of the Contractor. Inspect erosion control devices at least once a week and after each rainfall. Maintenance and repair of the erosion control devices shall be incidental to the unit price bid for the appropriate bid item.

As construction may deviate from the design plan, additional erosion and sediment control shall be used to prevent sediment from being transported from the disturbed construction areas. The Contractor shall have personnel on-site during rain events to monitor the effectiveness of the project best management practices (BMPs).

All sediment from construction activities shall be removed from the surrounding streets within 24 hours of deposit.

Erosion & sediment control devices shall be submitted to the project manager as shop drawings for approval.

The Contractor shall be responsible for removing erosion control devices when directed by the Engineer.

SWEEPING

Sweeping shall be conducted with a vacuum sweeper style truck. Contractor shall vacuum the project area twice daily, midday and at the end of the day, and additionally as directed by the Owner.

TRAFFIC CONTROL

The Contractor is required to maintain traffic control in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) and as shown on the traffic control plan (TCP). All traffic control shall conform to the latest version of the MUTCD.

Not less than seven (7) working days prior to preconstruction meeting the Contractor shall submit a TCP to the Engineer for the proposed construction that accommodates vehicle, pedestrian, and bicycle traffic. The TCP shall be prepared by persons regularly involved in preparation of TCPs, shall conform to the latest revision of the MUTCD, and shall be drawn to scale with dimensions shown for placement of all traffic control devices. TCPs shall be submitted for each phase or project sequence and TCP shall demonstrate changes in the TCP from one phase to the next.

The Contractor is required to have a person available 24 hours a day, 7 days a week to maintain traffic control devices. The name and telephone number of this person shall be given to the Engineer at the pre-construction meeting.

CONCRETE WASHOUT AREA

If the concrete supplier intends to wash out on site, the Contractor shall construct and maintain a minimum of one (1) concrete washout area. The concrete washout area shall be fully contained and not connected hydraulically to the storm sewer network. The Contractor shall direct the concrete supplier in the location of and use of the concrete washout area. A detail for the construction of the concrete washout area is included in this plan set, see detail sheets. No separate payment shall be made for construction and maintenance of the concrete washout area, it shall be incidental to the various concrete bid items.

CONSTRUCTION LIMITS

In general, the construction limits for the project shall be defined as follows:

Property lines, right-of-way lines, existing utility easement lines, and temporary construction easement lines shall be the construction limits unless indicated otherwise on the drawings or further defined herein.

Construction activities shall be restricted to the construction limits unless prior approval is received from the Engineer. The Contractor shall not operate or place equipment, materials, or stockpiles on private property without the property owner's written consent. The Contractor shall furnish a copy of owner's written consent to the Engineer.

Temporary construction easements are to be utilized only when work is being completed for that specific portion of the project. The temporary easements shall not be utilized for the storage of materials or equipment until adjacent work within a permanent easement or public ROW is under construction.

Use of National Guard lands for staging areas, material storage, sedimentation ponds, dewatering, and/or topsoil stockpiling shall only be with prior approval from the Engineer. Any damages and restoration outside the construction limits shall be at the Contractor's expense.

UTILITY COMPANY NOTIFICATION

The Contractor shall utilize the South Dakota one call notification process to provide advance notice of at least 48 hours, excluding weekends and holidays, to inform all South Dakota underground facility operators of intended excavation. The Contractor shall contact all utility companies before work has commenced.

South Dakota 811 (One call) 1-800-781-7474 or 811

If utility locations are sufficiently identified within the time frame required any excavator damaging or injuring the underground facilities is strictly liable for damages to the utility.

If in the course of excavation, the excavator is unable to locate the underground facility or discovers that the operator of the underground facility has incorrectly located the underground facility, he shall promptly notify the utility operator, or, if the utility operator is unknown, the one-call notification center. The Contractor shall also notify the Engineer.

EXISTING UTILITIES

Location of existing utilities shown on these drawings are approximate and were taken from available records. Prior to excavation, the Contractor shall field verify exact location of all utilities whether or not shown on these drawings. Contractor shall protect all utilities during construction. Excavators shall maintain a minimum horizontal clearance of eighteen inches between a marked underground facility and the cutting edge of any mechanical equipment. If excavation is required within eighteen inches, horizontally, the excavator shall expose the facility with hand tools or approved noninvasive methods and shall protect and support the facility prior to further excavation with mechanical equipment.

Unless explicitly otherwise noted, any disturbance or replacement of existing utilities shall be incidental to the project. If required, the Contractor shall coordinate relocation of utility with the utility owner. All utilities are to be adjusted and/or relocated by the respective utility companies unless other provisions are explicitly called for within these drawings.

EXISTING UTILITY CROSSINGS

Refer to specifications for crossing of existing storm sewers, sanitary sewers, water mains, and water main lowerings. At all locations where the proposed utility improvement crosses or is adjacent to existing storm sewers, sanitary sewers or water mains, the Contractor shall be responsible for safeguarding the existing utilities to ensure that they are not disturbed during the work. Temporary structural support for the utilities may be required. No separate payment shall be made for crossed utility protection. Any repair work necessary to a crossed utility resulting from the Contractor's activity shall be at the Contractor's expense.

WASTE DISPOSAL

The Contractor will be responsible for all waste disposal on the project. The Contractor shall furnish the disposal site for this work and the location must be approved by the Engineer. No waste disposal is allowed within right of way or easements. No payment will be made for waste disposal.

the Engineer.

All material generated by this project must be disposed of in accordance with the SD DANR solid waste regulations. Depending on what material is generated and whether it is contaminated or uncontaminated will determine which permitted facility can accept it. Permitted facilities include construction and demolition debris sites, restricted use sites, and regional landfills. Contact SD DANR Waste Management Program at 605-773-3153 to identify locally permitted disposal sites for various categories of contaminated and uncontaminated materials.

SAW CUTTING PAVEMENT

Saw cutting shall be in accordance with the Standard Specifications. Areas to be removed are shown on the drawings. These areas represent the final saw cut and removal limits. The first saw cut shall be made at least 6 inches inside of the lines shown. Saw cutting shall be considered as incidental to the appropriate bid item used in replacement, i.e. concrete pavement, concrete sidewalk, asphalt pavement, etc.

ASPHALT REMOVAL

The Contractor shall remove and dispose of the existing asphalt pavement as noted on the plans. Asphalt shall be disposed of by the Contractor. During construction, the Engineer may direct a lesser or greater removal limit due to the proximity of joints, cracks or other conditions. Removal and replacement beyond the limits shown may be at the Contractor's expense unless approved by the Engineer. The asphalt shall be separated from the base course and dirt as much as reasonably possible. The asphalt between the first and second saw cut shall not be removed until immediately before the patching operation begins so as to protect the edge from breaking.

CONCRETE REMOVAL

The Contractor shall remove and dispose of the existing concrete as noted on the plans. Concrete removed shall be disposed of by the Contractor. During construction, the Engineer may direct a lesser or greater removal limit due to the proximity of joints, cracks or other conditions. Removal and replacement beyond the limits shown may be at the Contractor's expense unless approved by the Engineer. The concrete between the first and second saw cut shall not be removed until immediately before the concrete placement begins so as to protect the edge from breaking.

If contaminated material is encountered on the project the Contractor shall immediately notify



Gasketed joints shall be required for RCP up to and including 36" diameter.

STORM SEWER GRATES

G

F

D

С

All storm sewer grates and frames for 3' x 4' Type C drop inlets shall be Neenah Foundry R-3475-F or approved equal. All grates shall be bolt down style. All inlets shall have FloGard FG-M3648 (or approved equal) catch basin insert filters installed.

All trench drains shall have Neenah Foundry R-4999-CS Type Q grates with Type B frame, or approved equal. Grates shall be bolt down style. All trench drains shall have FloGard FG-TDOF12 (or approved equal) filters installed. The Pipe filter type shall be used.

STORM SEWER PIPE CONNECTIONS

A concrete collar shall be required when a normal male/female joint cannot be provided in a pipe segment. The concrete collar shall consist of a minimum 2' wide by 6" thick M6 concrete collar around the outside of the connection. The concrete collar shall be reinforced with 6" x 6", W2.9 / W2.9 wire mesh.

All storm sewer pipe connections to new precast inlets, precast manholes, and precast junction boxes shall have a concrete collar installed at the pipe penetration outside the structure. The collar shall be the same as described above, and shall be incidental to the price of the precast structure.

TRENCH EXCAVATION AND BACKFILL

The Contractor shall be responsible for maintaining a safe excavation complying with applicable state and federal regulations. Special foundations may be required to provide adequate support for the pipe. Such foundations will consist of sub-excavation to a depth as required by the Engineer and placement of Type 3 or Type 4 foundation material.

No gypsum larger than one (1) inch in nominal size shall be placed in the backfill. The contractor shall screen all gypsum fragments greater than one (1) inch in nominal size from the backfill material prior to placement.

TOPSOIL

The topsoil shall be stripped to depths necessary to provide a depth of four (4) inches of topsoil at completion.

CONTRACTOR PROVIDED WATER

There will be no separate payment for water. The Contractor shall be responsible for providing water for compaction of earthen and granular materials used for, but not limited to, grading, subgrade preparation, and trench backfill. Water needed for sod and seed irrigation, street cleaning, and other miscellaneous items shall also be provided by the Contractor at no cost to the Owner. The costs for purchasing, loading, transporting and applying/incorporating water shall be incidental to the various items where water is required.

SUBGRADE MAINTENANCE

The Contractor shall maintain the completed compacted subgrade, gravel cushion, and aggregate base course. The Engineer may direct the Contractor to scarify the surface, reshape, and recompact the material to required density prior to further construction if the area is disturbed by construction operations or adverse weather. This applies to completed subgrade, gravel cushion, and base course areas.

CONCRETE SIDEWALK

New concrete sidewalk shall be placed on 2" gravel cushion. The Contractor shall document the quantity of gravel cushion used by submitting weight tickets to the inspector.

SUBGRADE CHECK

Prior to beginning base course placement operations, the Contractor shall schedule a meeting to check the earthen subgrade. See Section 12 of the Standard Specifications for proof-rolling requirements. The Contractor's superintendent, Engineer, Owner and testing firm representative shall participate. The Owner shall be notified at least 2 working days in advance of the subgrade check.

BASE COURSE

Contractor shall not furnish base course prior to Engineer's subgrade approval.

PRE-PAVING MEETING AND BASE COURSE CHECK

Prior to beginning placement of final surfacing, the Contractor shall schedule a meeting to check the base course and coordinate a pre-paving meeting. The Contractor's superintendent, Engineer, Owner, testing firm representative, paving Contractor's superintendent, paving foreman prior to initiating paving activities.

During the meeting the following shall be verified: a check of the base course for soft spots, final adjustments to manholes and valve boxes, and base course placed to final blue top elevation and cross section. The Contractor shall furnish a loaded water truck or loaded tandem axle end dump to proof roll the base course.

A

5	6
---	---

It is the paving Contractor superintendent's responsibility to confirm paving requirements including but not limited to truck schedules, delivery schedules and routes, tonnage of material to be placed by lift, actions to be taken in the event of paving interruptions, maximum paver stoppage permitted for mix and smoothness, laydown temperature, testing requirements, compaction, etc. These items shall be presented in writing, distributed, and reviewed at this meeting. The Owner shall be notified at least 2 working days in advance of the pre-paving and base course check.

AC PAVEMENT

The asphalt pavement shall be of Class E, Type 1 Asphalt Concrete. The asphalt binder shall be PG 64-22. A maximum of 15% recycled asphalt pavement (RAP) may be used in lower lifts, but shall not be used in the top lift of pavement.

PAVEMENT MARKING PAINT

Contractor shall replace pavement marking in all areas where existing pavement marking is removed, the anticipated pavement marking shall be in front of the hangers and the parking stalls in the parking lot. Contractor shall coordinate exact locations with Owner prior to applying paint.

Paint shall be Solvent-Base: A-A-2886B, Type II, Yellow: 33538 or 33655 and A-A-2886B, Type II, White: 37925. Marking 12-inch gore lines will require the use of 3 spray nozzles to achieve the required width. Application rate shall be 115 ft²/gal.

Painting shall only be performed when the surface is dry, and the ambient temperature and the pavement surface temperature meet the manufacturer's recommendations. Painting operations shall be discontinued when the ambient or surface temperatures does not meet the manufacturer's recommendations. Markings shall not be applied when the wind speed exceeds 10 mph unless windscreens are used to shroud the material guns. Markings shall not be applied when the applied when weather conditions are forecasts to not be within the manufacturers' recommendations for application and dry time.

RETROREFLECTIVITY FOR PAVEMENT MARKING PAINT

The Owner may take retroreflectivity readings on the pavement marking lines after 2 days and within 30 days of the line application using either a portable or mobile retroreflectometer that conforms to 30-meter geometry. If the Owner chooses to take retroreflectivity readings, three retroreflectivity readings will be taken on each line at each test location. The three readings will be averaged and become the reading for that test location.

If the Owner chooses to take retroreflectivity readings, three readings will be taken on the edge lines and lane lines in the direction of application. For combination solid yellow and skip yellow lines for turn lanes and for centerline markings on two-way roadways, three readings will be taken in one direction, the reflectometer will be turned 180 degrees and three more readings will be taken. The six readings for the centerline markings will be averaged and become the test reading for that test location.

If the Owner chooses to take readings, the minimum retroreflectivity values will be 170 $mc/m^2/lux$ for yellow.

Type III glass beads shall be distributed upon all marked apron areas immediately after application of the paint. A dispenser shall be furnished by Contractor that is properly designed for attachment to the marking machine and suitable for dispensing glass beads. Glass beads shall be applied at the rate 10 lb/gal.

Glass beads will not be required in the parking lot.

REESTABLISHING PROPERTY CORNERS

The Contractor shall reestablish all property corners that are disturbed during construction under the direction of a registered land surveyor. All property corners along the project that were found during the topographic survey are shown on the plans. Any corners that are disturbed shall be reestablished by the Contractor.

AS BUILT PLANS

The Contractor shall measure and record any horizontal or vertical deviations from the contract drawings. The changes shall be recorded in an accurate, neat fashion on the drawings and furnished to the Engineer upon completion of the project. The as-built drawings shall be on-site and available for review by the Engineer upon request.

WARRANTY PERIOD

The warranty period for this project shall start when the project is complete and accepted and shall not be based on completion of different phases or completion dates of the project.

	TOP SOUTH DAVID
	2/12/24 DATE
	MARK DESCRIPTION
	ISSUE DATE: FEBRUARY 2024 CFMO NO.: 467074 PROJECT NO.: 10382814 SCALE: NA SCALE: NA IE
	DESIGNED BY: LINDSAY SHAGLA DRAWN BY: LINDSAY SHAGLA CHECKED BY: CHRIS BAILEY SUBMITTED BY: CHRIS BAILEY SIZE: FILE NAM SIZE: ANSI D 467074C0
	South Dakota Army National Guard Rapid City Army Aviation Support Facility Rapid City, South Dakota 703 Main St Suite 200 Rapid City, South Dakota 57701
	Rapid City Army Aviation Support Facility Drainage Install Between Ramps and Hangars Rapid City AASF South Dakota Army National Guard CFMO #467074 CFMO #467074
MMIIIII.	SHEET ID C-002





SURVEY CONTROL DATA (US FT)								
POINT NUMBER	NORTHING	EASTING	ELEV.	DESCRIPTION				
1	632,474.96	1,252,432.01	3,157.78	IPINX_FH-BOLT				
2	632,460.91	1,252,058.45	3,159.76	IPINPK_CP2				
3	632,762.57	1,252,283.13	3,158.66	IPINPK_CP3				
4	633,059.20	1,252,138.95	3,161.06	IPINPK_CP4				
5	633,017.30	1,251,944.08	3,160.26	IPINPK_CP5				
6	632,928.42	1,252,317.65	3,159.41	IPIN_CP6				
7	632,634.53	1,252,248.23	3,157.78	IPINPK_CP7				
8	632,731.10	1,252,413.39	3,159.29	IPIN_CP8				

8

* DEPAR	Super la sup	5 4 4 4 4	O So				A.	HITARY *	
								2/12/24	DATE
								ISSUED FOR BID	MARK DESCRIPTION
ISSUE DATE: FEBRUARY 2024	CFMO NO.:	46/U/4	PROJECT NO .:	10382814	10202014	SCALE: $1^{"} = 20^{"}$			MG
DESIGNED BY: LINDSAY SHAGLA	DRAWN BY:		CHECKED BY:			SUBMITTED BY-			ANSI D 467074C107.DV
County Develop A reactioned County	Rapid City Army Aviation Support Facility	Danid City South Dalvata	Napia City, South Danua				703 Main St Suite 200	Rapid City, South Dakota 57701	
Rapid City Army Aviation Support Facility	Drainage install between Rainps and Trangals Rapid Ony AASE South Dakota Army National Guard								
	SI	H	E	Ē	T	.	D		

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING POWER LINE AT FES. THIS IS A CRITICAL SUPPLY LINE & MUST REMAIN IN SERVICE.

N.T.S.		
	PUBLIC WO	RKS DEPARTMENT
		DATE: 8-19-22
JOINT DETAILS		Sec Sht. 40-5

MATER MAIN INSULATION

