FOSTER AVENUE LIFT STATION PROJECT

GENERAL NOTES

1. OWNER: This project has been developed by the City of Alamosa Public Works Department. All construction will be inspected and approved by the Public Works Department prior to acceptance of the improvements and final payment to the Contractor.

2. SCHEDULE: The Contractor is required to submit a detailed schedule updated daily and distributed electronically to the City of Alamosa Public Works Department.

3. UTILITIES: There are numerous utilities within the project limits. These utilities have been mapped on the plans enclosed in this Manual to assist in design and construction. All Utility Companies are not cooperative during the design process and all utility lines may not be shown. The Contractor shall contact the Utility Notification Center of Colorado (UNCC) at 1-888-292-1987 at least two working days prior to beginning excavation or grading in the area of UNCC registered lines. The Contractor is also responsible to contact the appropriate Utility Company for any utility overflow or conflicts.

4. CRITICAL MILESTONES: Upon completion of this project, the area within the project limits shall be cleared and returned to the condition equal to that which existed before construction so the grades and condition are required by these improvement plans.

5. TRAFFIC CONTROL: The Contractor is responsible for developing a traffic control plan to be approved by the City of Alamosa Public Works Department prior to beginning work. The Contractor is responsible for all traffic control during construction activities.

6. PROTECTION OF DOWNSTREAM FACILITIES: The Contractor is responsible for designing and maintaining erosion control structures to protect all downstream pipes and structures from sediment and erosion developed with the project limits during construction.

7. SITE CONDITIONS: Prior to bidding, each prospective contractor shall inspect the site within the project limits for conditions which may affect the work. The bidder shall be responsible for anticipating the effect of these conditions on the work and exclude the associated costs in the bid.

8. Site Plan: The contractor shall conform to all current OSHA Regulations for construction, excavations and confined space entry as may be applicable.

9. MATERIALS TESTING: The owner will coordinate separately for materials testing as described and called for on this plan. The Contractor is responsible for coordinating all materials testing with the Geotechnical Engineer, the City of Alamosa, and the Project Engineer.

10. DIRT CONTROL: The contractor is responsible for maintaining control and shall be the contractor’s responsibility to provide the necessary equipment and materials to satisfactorily control dust at all times. Items shall be used as a dust abatement where required. The contractor shall make arrangements with the City for the water and the contractor shall supply water at an additional cost to the project.

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ISSUED FOR BIDDING PURPOSES ONLY 8-25-2022
6" CDOT CLASS 5 ABC COMPACTED TO 95% MODIFIED PROCTOR DENSITY

MANHOLE #4 PAID FOR AND INSTALLED AS PART OF MONTANA AZUL PARK PROJECT

20.0' 47.8' 40'± 15" DIA. SDR 35 PVC STORM DRAIN PIPE @ 0.1%
CAP END OF PIPE AS SHOWN
STORM DRAIN PIPE TO BE CONSTRUCTED AS FUTURE PROJECT

10.0' 3.0' 22'± 12" DIA. SDR 35 PVC STORM DRAIN PIPE @ 1.0%
CONNECT TO MANHOLE
PROPERTY BOUNDARY
EXISTING DISCHARGE PIPE FROM WATER TOWER
EXISTING WATER TOWER FOUNDATION

16.0' 6.0' 10.0' 20.0' 62'± 57.6' PROPERTY BOUNDARY
8.0' 8.0' 12" DIA. C900 PVC PRESSURE PIPE
HYMAX COUPLING
45.0' 5.0' 6" THICK CONCRETE PAD
EXISTING MANHOLE
VALVE VAULT LIFT
STATION

FOSTER AVENUE

EXISTING FENCE TO BE RELOCATED TO NORTH EDGE OF GRAVEL DRIVEWAY
RELOCATE CHAIN LINK FENCE TO THIS LOCATION

12' WIDE DOUBLE GATE

LIFT STATION SITE PLAN

DRAWN:
CHECKED:
APPROVED:

CITY OF ALAMOSA
FOSTER AVENUE LIFT STATION
DRAWING SHEET
JOB NO.

ALAMOSA, COLORADO 81101

REYNOLDS ENGINEERING COMPANY

DATE:
DRAWN BY:
CHECKED:

MA PARK SITE PLAN

LIFT STATION SITE PLAN

PANEL

LIFT STATION SITE PLAN

FORCE MAIN CLEANOUT DETAIL

FRENCH DETAIL FOR FORCE MAIN AND GRAVITY SEWER PIPE

FORCE MAIN CLEANOUT DETAIL
LIFT STATION
12" DIA. C900 PVC PRESSURE PIPE
172.6'
(2) 45° BENDS
WITH RESTRAINT
CONNECT TO D.I.P @ VALVE VAULT WITH HYMAX COUPLING.
VALVE VAULT
ELECTRICAL CONTROL PANEL
22'± 12" DIA.
SDR 35 PVC STORM DRAIN PIPE @ 1.0%
EXISTING WATER TOWER
GRAVITY STORM DRAIN FROM FOSTER AVENUE TO LIFT STATION. (FUTURE PROJECT)
STUB OUT 40'± 15" DIA. SDR 35 PVC STORM DRAIN PIPE @ 0.1% CAP END AS SHOWN
STA 11+67
MATCH LINE MIN. 5' COVER

EXISTING GROUND SURFACE
12" DIA. C900 DR 18 (235 PSI) PVC PRESSURE PIPE
(2) 45° BENDS WITH RESTRAINT.
ROTATE AS NECESSARY TO ACHIEVE SPECIFIED PIPE ELEVATION

172.6' 12" DIA. HDPE DR 1 (200 PSI) PRESSURE PIPE @ 0%

CONNECT TO D.I.P. AT VALVE VAULT WITH HYMAX COUPLING SEE SHEET 2
EXISTING WATER MAIN VERIFY DEPTH IN FIELD
EXISTING SEWER MAIN VERIFY DEPTH IN FIELD
DEFLECT FORCE MAIN PIPE ACCORDING TO MANUFACTURER GUIDELINES AS NECESSARY TO AVOID CONFLICT WITH EXISTING UTILITIES

ISSUED FOR BIDDING PURPOSES ONLY 8-25-2022
FOSTER AVENUE

12" DIA. C900 DR 18 (235 PSI) PVC PRESSURE PIPE

EXISTING WATER MAIN

W 8TH STREET

FORCE MAIN CLEANOUT
(2) 12"X4' 45° WYE WITH BOLTED END CAP. EXTEND TO GROUND SURFACE

STA 20+00
AIR/VAC VALVE AND VAULT
#1 SEE DETAIL SHEET 9

EXISTING GRAVEL ROADWAY

OHE

COORDINATE WITH CITY OF ALAMOSA FOR FORCEMAIN LOCATION TO MINIMIZE CONFLICTS WITH EXISTING UTILITIES

ISSUED FOR BIDDING PURPOSES ONLY 8-25-2022
EXISTING GROUND SURFACE

MATCH LINE STA 28+00
FORCE MAIN CLEANOUT (2) 12"X4' 45° WYE WITH BOLTED END CAP. EXTEND TO GROUND SURFACE
MATCH LINE STA 36+00
FORCE MAIN CLEANOUT (2) 12"X4' 45° WYE WITH BOLTED END CAP. EXTEND TO GROUND SURFACE

STA 28+00
AIR/VAC VALVE AND VAULT #2 SEE DETAIL SHEET 9

STA 30+00
AIR/VAC VALVE AND VAULT #2 SEE DETAIL SHEET 9

STA 34+00
FORCE MAIN CLEANOUT (2) 12"X4' 45° WYE WITH BOLTED END CAP. EXTEND TO GROUND SURFACE

12" DIA. C900 DR 18 (235 PSI) PVC PRESSURE PIPE @ 0%

EXISTING GRAVEL ROADWAY

COORDINATE WITH CITY OF ALAMOSA FOR FORCEMAIN LOCATION TO MINIMIZE CONFLICTS WITH EXISTING UTILITIES

ISSUED FOR BIDDING PURPOSES ONLY 8-25-2022
EXISTING GROUND SURFACE

CRAFT DRIVE

MATCH LINE STA 36+00

45° BEND WITH RESTRAINT

DISCHARGE FORCE MAIN PIPE INTO OUTFALL STRUCTURE
SEE DETAIL SHEET 8

HICKORY JACKSON DITCH

12" DIA. C900 DR 18 (235 PSI) PVC PRESSURE PIPE

MATCH LINE STA 34+00

FORCE MAIN CLEANOUT
(2) 12"X4' 45° WYE WITH BOLTED END CAP.
EXTEND TO GROUND SURFACE

FOSTER AVENUE

12" HYMAX COUPLING
C900 DR 18 (235 PSI) PVC PRESSURE PIPE

COORDINATE WITH CITY OF ALAMOSA FOR FORCEMAIN LOCATION TO MINIMIZE CONFLICTS WITH EXISTING UTILITIES

EXISTING GRAVEL ROADWAY

R.O.W. BOUNDARY

Pedestrian Roadway

30± S.Y. ASPHALT PATCH SEE DETAIL SHEET 5

REYNOLDS ENGINEERING COMPANY

CITY OF ALAMOSA

REYNOLDS ENGINEERING COMPANY

TITLE: MT AZUL PARK

SCALE: 1"=30'

DATE: JULY, 2019

ISSUED FOR BIDDING PURPOSES ONLY 8-25-2022