NORTH WASHINGTON STREET WATER & SANITATION DISTRICT

ADAMS COUNTY, COLORADO 62ND AVENUE IMPROVEMENTS - WATER PLANS

> 3172 E 78TH AVENUE DENVER, COLORADO

	SUPPLY AND	EAST 88TH AVENUE
	and the state of t	EAST 84TH AVENUE
		EAST 80TH AVENUE
		EAST 78th AVENUE
	US 36 WITERSTATE TS	EAST 74TH AVENUE
		NUE
ECT	E G G AVE TO SE	NUE
		EAST 58th AVENUE
		EAST 56TH AVENUE

VICINITY MAP

SCALE: NTS

ALGN

ANNO

BORE

CATH

DTCH

EXIST

FENC

FLHA

GATE

GRAD

GRID

JNTS

ALIGNMENT

ANNOTATION

BENCHMARK

CENTERLINE

DITCHES OR WASHES

DIAMETER

EXISTING

FENCES

GATE

GRIDS

INVERT

FIRE HYDRANT

GRADING WORK

GRADE LINE

IRRIGATION

FLOOD HAZARD AREA

CATHODIC PROTECTION SYSTEM

BORINGS

LOCN

POND

PVMT

SECT

SSWR

STRM

SURV

SWLK

TOPO

PONDS

PROFILE

PROPERTY

PAVEMENT

RAILROAD

RIPRAP ROADWAY

SECTION

SURVEY

SIDEWALKS

UTILITIES

VERTICAL

TOPOGRAPHIC FEATURE TRAFFIC

TRAILS OR PATHS

SANITARY SEWER

STORM SEWER

POLY CHLORIDE PIPE

SHEET INDEX				
NOTES-1	NORTH WASHINGTON STANDARD WATER NOTES & ADAMS COUNTY NOTES			
NOTES-2	DENVER WATER STANDARD NOTES			
C-001	WATER ONLY PLAN STA 0+00 TO 7+75			
C-002	WATER ONLY PLAN STA 7+75 TO 15+50			
C-003	PLAN & PROFILE STA 0+00 TO 2+10			
C-004	PLAN & PROFILE STA 2+10 TO 7+75			
C-005	PLAN & PROFILE STA 7+75 TO 13+40			
C-006	PLAN & PROFILE STA 13+40 TO 15+50			
C-007	STANDARD WATER DETAILS			
C-008	STANDARD WATER DETAILS			
C-009	STANDARD WATER DETAILS			

FIRE HYDRANT ASSEMBLY			
LOCATIONS			
STA	REPLACE OR REMAIN		
06+07	REPLACE EXIST		
08+80	REMAIN		
12+37	REPLACE EXIST		
17+00	REMAIN		
	LOCAT STA 06+07 08+80 12+37		

FIRE SERVICE LOCATIONS			
STREET	SIZE	TAP#	
C-004	8-INCH	X23731	
C-006	6-INCH	X30977	

WATER SERVICE METER		
LOCATIONS		
SIZE	TAP#	
4-INCH	172901	
1 1/2-INCH	172902	
1 1/2-INCH	332714	
3/4-INCH	332721	
3/4-INCH	171697	
	SIZE 4-INCH 1 1/2-INCH 1 1/2-INCH 3/4-INCH	

MATERIAL LIST DESCRIPTION 12-INCH C900 PVC, DR 8-INCH C900 PVC, DR 18 6-INCH DIP, CLASS 52 12-INCH GATE VALVE 8-INCH GATE VALVE 4-INCH GATE VALVE 12-INCH BEND 10-INCH BEND 4-INCH BEND 12-INCH X 8-INCH SWIVEL TE 12-INCH X 6-INCH SWIVEL T 8-INCH X 8-INCH SWIVEL TEE 8-INCH X 4-INCH SWIVEL TEE EA 12-INCH X 10-INCH REDUCER THRUST BLOCKS 10-INCH TRANSITION CO 4-INCH TRANSITION COUPLING 1/2-INCH WATER SERVICE 3/4-INCH WATER SERVICE 4-INCH METER VAULT 1/2-INCH METER VAUL 3/4-INCH METER PIT

BASE MAPPING PROVIDED BY ROCKSOL CONSULTING GROUP, INC. SURVEY COMPLETED BY KING SURVEYORS. INC.

VERTICAL DATUM NORTH AMERICAN VERTICAL DATUM OF 1988.

VERTICAL BENCHMARK

NGS DESIGNATION "T452," ELEVATION=5200.42', A STAINLESS STEEL ROD INSIDE A PVC PIPE, ACCESSIBLE THROUGH A 5-INCH LOGO CAP LID. AND LOCATED IN SOUTHWESTERN ADAMS COUNTY NEAR THE COLORADO DIVISION OF WILDLIFE HEADQUARTERS (6060 BROADWAY STREET), ±972' SOUTH OF THE INTERSECTION OF BROADWAY STREET AND W. 62ND AVENUE AND ±103' EAST OF THE CENTERLINE OF BROADWAY STREET, BOTH AS MEASURED AT RIGHT ANGLES; FROM THIS BENCHMARK, ALL VERTICAL RELATIONSHIPS SHOWN HEREIN WHERE ESTABLISHED.

GROUND COORDINATES WERE ACHIEVED BY PROJECTING THE NAD 83 (2011) COLORADO CENTRAL ZONE 0502 STATE PLANE COORDINATE SYSTEM (SPCS) TO A MODIFIED GRID (GROUND) SYSTEM USING THE FOLLOWING PARAMETERS:

COMBINED SCALE FACTOR (BASED UPON NGS ARGO): 0.99976367 PROJECT ELLIPSOID HEIGHT: 5200'

ADDITIONAL NOTES

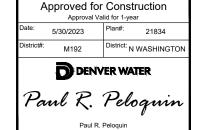
- THIS DRAWING IS BEST VIEWED AT AN ANNOTATION SCALE OF 1"=20' FULL SIZED 22"x34" AND 1"=40' HALF SIZED 11"x17"
- 2 ALL PROPERTY PINS INTERSECTION MONIMENTS, AND SECTION CORNERS DISTURBED DURING CONSTRUCTION MUST BE REFERENCED AND REPLACED UNDER THE SUPERVISION OF A LICENSED SURVEYOR.
- 3. THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UNDERGROUND LITH ITIES IN THE AREA OF THE WORK BEFORE COMMENCING NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL UNKNOWN
- 4. ALL PROJECT CONTROL LISTED HEREON IS PROVIDED AS A COURTESY. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO VERIEY THE ACCURACY OF THE COORDINATES AND FLEVATIONS SHOWN PRIOR TO USING THEM FOR ANY PURPOSES.

SUBSURFACE UTILITY ENGINEERING NOTE:

- 1. UTILITIES ARE DEPICTED ON THESE PLANS IN ACCORDANCE WIT THEIR ACHIEVED "OUALITY LEVELS" AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEER'S ASCE-38 DOCUMENT TITLE "STANDARD GUIDELINE FOR THE COLLECTION AND DEPECTION OF EXISTING SUBSURFACE UTILITY DATA"
- 2. RELIANCE UPON THESE DATA FOR RISK MANAGEMENT PURPOSES DURING BIDDING DOES NOT RELIEVE THE EXCAVATOR OR UTILITY OWNER FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUES. POLICIES. AND/OR PROCEDURES
- 3. POTHOLE SYMBOLES INDICATE QUALITY LEVEL A DATA WAS COLLECTED AT THE LOCATION OF THE POTHOLE FOR THE UTILITY
- 4. ALL EXISTING UTILITIES SHOWN ARE QUALITY LEVEL B UNLESS OTHERWISE NOTED

LE	GEND
	SYME

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
lacksquare	FIRE HYDRANT	$\cdot \times \cdot \times$	ABANDONED
Ø	OPEN GATE VALVE		3" WATER
•	CLOSED GATE VALVE		4" WATER
•	CORP STOP		6" WATER
=	SLEEVE		8" WATER
\square	TRANSITION COUPLING		10" WATER
٥	REDUCER		12" WATER
$(\Box_1 (\Box_1$	TEE AND CROSS FITTINGS		EASEMENT
1 / 1_1	HORIZONTAL BEND FITTING		WATER METER
С	VERTICAL BEND FITTING	P	PROPERTY LINE
0	PLUG	FL	FLOW LINE

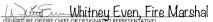


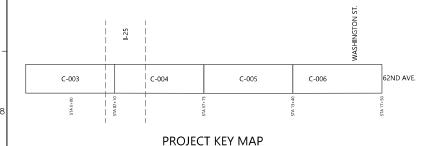




ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO DENVER WATER DEPARTMENT STANDARDS. THE NUMBER AND LOCATION OF THE FIRE HYDRANTS AND FIRE FLOW AS SHOWN ON THE WATER MAIN INSTALLATION IS CORRECT AS SPECIFIED BY THE ADAMS COUNTY FIRE PROTECTION DISTRICT (A.C.F.P.D.)

APPROVED THIS 30th DAY OF MAY, 2023





SCALE: 1" = 300"

PROJECT DIRECTORY

NORTH WASHINGTON STREET WATER & SANITATION DISTRICT 3172 E 78TH AVE DENVER, CO 80229 303-288-6664 JUNE ENGINEERING & PLANNING, LLC ALEX M. STELZER, PE 11990 GRANT ST, SUITE 550 NORTHGLENN, CO 80233 805-798-3109







BY THE NORTH WASHINGTON STREET WATER AND SANITATION DISTRICT FOR



NORTH WASHINGTON STREET WATER & SANITATION DISTRICT 62ND AVENUE IMPROVEMENTS - WATER

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MAY, 2023 1001 21003

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