RECORD DRAWINGS

ABBREVIATIONS

A = AIR LINE
AD = AREA DRAIN
AIP = ABANDONED IN PLACE
BLDG = BUILDING
BM = BENCHMARK
CATV = CABLE TELEVISION LINE
CIP = CAST IRON PIPE
CMP = CORRUGATED METAL PIPE
CMPA = CORRUGATED METAL PIPE ARCH
CO = CLEANOUT
COA = CITY OF ALBUQUERQUE
CONC = CONCRETE
CL = CENTERLINE
DIA = DIAMETER
DIP = DUCTILE IRON PIPE
DTL = DETAIL
DWG = DRAWING
EG = EXISTING GRADE
ELEC. = ELECTRIC
EL = ELEVATION
EX = EXISTING
FF = FINISHED FLOOR ELEVATION
FG = FINISHED GRADE
FH = FIRE HYDRANT
FL = FLOW LINE
G = GAS PIPE
GM = GAS METER
GV = GATE VALVE
HP = HIGH POINT
INV = INVERT ELEVATION
LF = LINEAL FEET
LP = LIGHT POLE
L/S = LANDSCAPING
MH = MANHOLE
NG = NATURAL GROUND
OE = OVERHEAD ELECTRIC LINE
OT = OVERHEAD TELEPHONE LINE
PB = ELECTRICAL PULL BOX
PCC = PORTLAND CEMENT CONCRETE
PP = POWER POLE
PROP = PROPOSED
PVC = POLYVINYL CHLORIDE PIPE
RCP = REINFORCED CONCRETE PIPE
ROW = RIGHT-OF-WAY
S = SLOPE
SAS = SANITARY SEWER
SD = STORM DRAIN
STA = STATION
STD = STANDARD
SW = SIDEWALK
T = TELEPHONE
TA = TOP OF ASPHALT PAVEMENT
TAC = TOP OF ASPHALT CURB
TC = TOP OF CONCRETE SLAB (PAVEMENT)
TCC = TOP OF CONCRETE CURB
TS = TOP OF SIDEWALK
TW = TOP OF WALL
TYP = TYPICAL
UE = UNDERGROUND ELECTRIC
UT = UNDERGROUND TELEPHONE
W = WATER
WM = WATER METER
WV = WATER VALVE

SURVEYOR'S CERTIFICATION

I, BRIAN J. MARTINEZ, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS 'AS-BUILT' INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS, INC. IN NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

3/9/21

BRIAN J. MARTINEZ NEW MEXICO No. 18374 REGISTERED PROFESSIONAL SURVEYOR

ALBUQUERQUE SEAL NEW MEXICO 1706

APPROVED RECORD DRAWINGS	
City Inspector	Arlene Sandoval
Contractor	Sundance Mechanical
Construction Engineer	Jim Roeder
Date	4/29/2021

CITY OF ALBUQUERQUE, NEW MEXICO

HORIZON VILLAGE SUBDIVISION

PAVING, SANITARY SEWER AND WATERLINE IMPROVEMENTS

INDEX TO DRAWINGS

LEGEND

	NEW CURB AND GUTTER & SIDEWALK		EX SAS MANHOLE	—8" SAS—	PROPOSED SANITARY SEWER LINE
	EX CURB AND GUTTER & SIDEWALK		PROP SAS MANHOLE	—SAS—	EX SANITARY SEWER LINE
	PROP FIRE HYDRANT		PROP WATER METER	—6" W—	PROPOSED WATER LINE
	PROP WATER VALVE	—S—	PROPOSED SANITARY SEWER SERVICE	—8"W—	EX WATER LINE
	PROPERTY LINE	(S 83°39'25" W)	RECORD BEARING AND DISTANCES	N 00°07'27" W	MEASURED BEARING AND DISTANCES

UTILITY COMPANY CONTACTS

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
DAVID GUTIERREZ, PE
Plaza Del Sol
PO Box 568
Albuquerque NM, 87103
(505) 289-3307

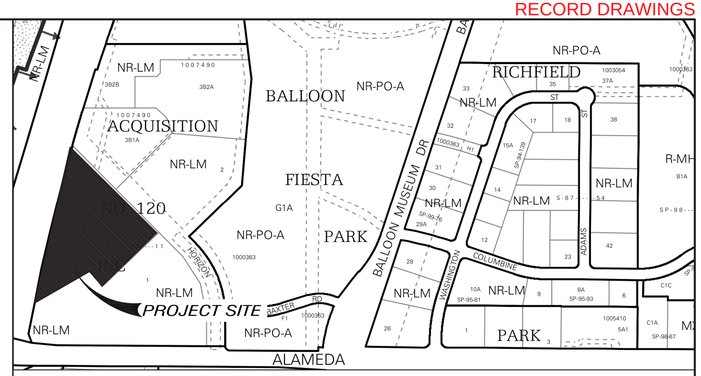
PNM
Dan Aragon, Lead Land Permitting Specialist
PNM, Land Services
2401 Aztec Rd NE, Albuquerque, NM 87107
505-241-4437

NEW MEXICO GAS CO.
Antoinette Dominguez
P.O. Box 97500
Albuquerque, New Mexico 87199
(505) 241-7759 / 401-7542

QWEST COMMUNICATIONS
Don Davalos
400 Tijeras Ave. NW, Suite 520
Albuquerque, New Mexico 87102
(505) 245-8967

AT&T
N.N.
111 Third ST., NW
Albuquerque, New Mexico 87103
(505) 842-2806

COMCAST CABLE
Robert Martinez
4611 Montbel Pl. NE
Albuquerque, NM 87107
(505) 761-6221
Robert_Martinez@cable.comcast.com



VICINITY MAP — ZONE ATLAS: C-17
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #9, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
2. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS ISSUED BY THE CITY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
6. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
7. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR PROJECT MANAGER) NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4
8. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (811) / (505-260-1990) FOR LOCATION OF EXISTING UTILITIES.
9. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF AS-BUILT DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, SIGNAGE, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE, PER THE STANDARD SPECIFICATIONS, ANY SUCH DAMAGE.
11. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
12. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.
13. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
14. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY
15. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://abcwua.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX
16. CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR, OR REMOVAL AND REPLACEMENT, OF ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, SIDEWALK, WHEELCHAIR RAMP, SIGNAGE OR ANY OTHER EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS.

THE group
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone:(505) 514-0995

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [x] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [x] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- [x] SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- [ ] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [ ] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

D.R.B. No. 001842

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

RON E. HENSLEY NEW MEXICO 21850 REGISTERED PROFESSIONAL ENGINEER
3/20/20

APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		7/21/2020
TRANSPORTATION	PE	7/20/2020
WATER/WASTEWATER		7/20/2020
HYDROLOGY		07/21/20
AMAFCA		
CONSTR. MNGMT.		
CONSTR. COORD.		

****
APPROVED FOR CONSTRUCTION
8/6/2020
CITY ENGINEER DATE

CITY PROJECT NO. 799782

SHEET 1 OF 15

RECORD DRAWINGS

Curve Table						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	CHORD BEARING	DELTA
C1	77.67	11304.16	38.83	77.67	N15° 28' 42"E	0°23'37"
C2	775.22	11304.16	387.76	775.07	N13° 21' 38"E	3°55'45"
C3	59.21	11304.16	29.60	59.21	S15° 31' 31"W	0°18'00"
C4	29.26	11304.16	14.63	29.26	S15° 15' 04"W	0°08'54"
C5	46.75	11304.16	23.38	46.75	S15° 03' 30"W	0°14'13"
C6	27.53	11304.16	13.77	27.53	S14° 52' 13"W	0°08'22"
C7	111.06	11304.16	55.53	111.06	S14° 31' 08"W	0°33'46"
C8	80.02	11304.16	40.01	80.02	S14° 02' 05"W	0°24'20"
C9	38.01	11304.16	19.00	38.01	S13° 44' 08"W	0°11'33"
C10	80.01	11304.16	40.00	80.01	S13° 26' 11"W	0°24'20"
C11	80.00	11304.16	40.00	80.00	S13° 01' 52"W	0°24'20"
C12	38.00	11304.16	19.00	38.00	S12° 43' 55"W	0°11'33"
C13	80.00	11304.16	40.00	80.00	S12° 25' 58"W	0°24'20"
C14	30.00	11304.16	15.00	30.00	S12° 09' 15"W	0°09'07"
C15	30.00	11304.16	15.00	30.00	S12° 00' 07"W	0°09'07"
C16	104.58	11304.16	52.29	104.58	S11° 39' 39"W	0°31'48"
C17	24.14	100.96	12.13	24.08	S38° 48' 05"W	13°41'52"
C18	25.56	100.96	12.85	25.49	S24° 41' 57"W	14°30'23"
C19	25.56	100.96	12.85	25.49	S10° 11' 36"W	14°30'21"
C20	13.18	100.96	6.60	13.17	S0° 48' 00"E	7°28'50"

Curve Table						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	CHORD BEARING	DELTA
C21	27.80	19.85	16.73	25.58	N35° 58' 16"E	80°14'22"
C22	26.52	55.85	13.51	26.27	S89° 47' 06"E	27°12'06"
C23	31.39	20.00	19.98	28.27	N32° 20' 22"W	89°55'45"
C24	31.42	20.00	20.00	28.28	N57° 41' 45"E	90°00'00"
C25	31.42	20.00	20.00	28.28	N32° 18' 15"W	90°00'00"
C26	31.42	20.00	20.00	28.28	N57° 41' 45"E	90°00'00"
C27	31.42	20.00	20.00	28.28	N32° 18' 15"W	90°00'00"
C28	12.44	15.00	6.60	12.09	N36° 27' 35"E	47°31'39"
C29	11.11	14.98	5.83	10.86	N81° 26' 04"E	42°29'49"
C30	15.12	25.00	7.80	14.89	S4° 37' 58"E	34°39'27"
C31	30.24	50.00	15.60	29.79	S4° 37' 58"E	34°39'27"
C32	88.44	100.96	47.28	85.64	S20° 33' 18"W	50°11'26"
C33	18.46	11304.16	9.23	18.46	S15° 19' 42"W	0°05'37"
C34	18.46	61.39	9.30	18.39	S10° 54' 46"E	17°13'58"
C35	16.86	11304.16	8.43	16.86	S11° 58' 07"W	0°05'08"
C36	18.46	11304.16	9.23	18.46	S15° 19' 42"W	0°05'37"
C37	34.56	11304.16	17.28	34.56	S11° 50' 18"W	0°10'31"
C38	70.02	11304.16	35.01	70.02	S11° 34' 24"W	0°21'18"
C39	10.85	61.39	5.44	10.84	S24° 35' 40"E	10°07'51"

PLAT OF

LOTS 1 THRU 30
HORIZON VILLAGE

(BEING A SUBDIVISION OF TRACT 4-A,HORIZON VILLAGE)

SITUATE WITHIN

THE ELENA GALLEGOS GRANT

IN

PROJECTED SECTIONS 11 AND 14
TOWNSHIP 11 NORTH, RANGE 3 EAST
NEW MEXICO PRINCIPAL MERIDIAN

CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

AUGUST, 2019

Grantor shall construct drainage facilities in the easement in accordance with standards prescribed by the City and plans and specifications approved by the City Engineer in accordance with the grading and drainage plan, submitted by THE Group on, 06/28/2019 and approved by the Albuquerque City Engineer on July 9, 2019, which report and amendments are on file in the office of the City Engineer.
No fence, wall, planting, building or other obstruction may be placed or maintained in easement area without approval of the City Engineer of the City of Albuquerque. There also shall be no alteration of the grades or contours in said easement area without the approval of the City Engineer. It shall be the duty of the lot owners of this subdivision to maintain said drainage easement [detention area] and facilities at their cost in accordance with standards prescribed by the City of Albuquerque. The City shall have the right to enter periodically to inspect the facilities. In the event said lot owners fail to adequately and properly maintain drainage easement [detention area] and facilities, at any time following fifteen (15) days written notice to said lot owners, the City may enter upon said area, perform said maintenance, and the cost of performing said maintenance shall be paid by applicable lot owners proportionately on the basis of lot ownership. In the event lot owners fail to pay the cost of maintenance within thirty (30) days after demand for payment made by the City, the City may file a lien against all lots in the subdivision for which proportionate payment has not been made. The obligations imposed herein shall be binding upon the owner, his heirs, and assigns and shall run with all lots within this subdivision.
The Grantor agrees to defend, indemnify, and hold harmless, the City, its officials, agents and employees from and against any and all claims, actions, suits, or proceedings of any kind brought against said parties for or on account of any matter arising from the drainage facility provided for herein or the Grantor's failure to construct, maintain, or modify said drainage facility.

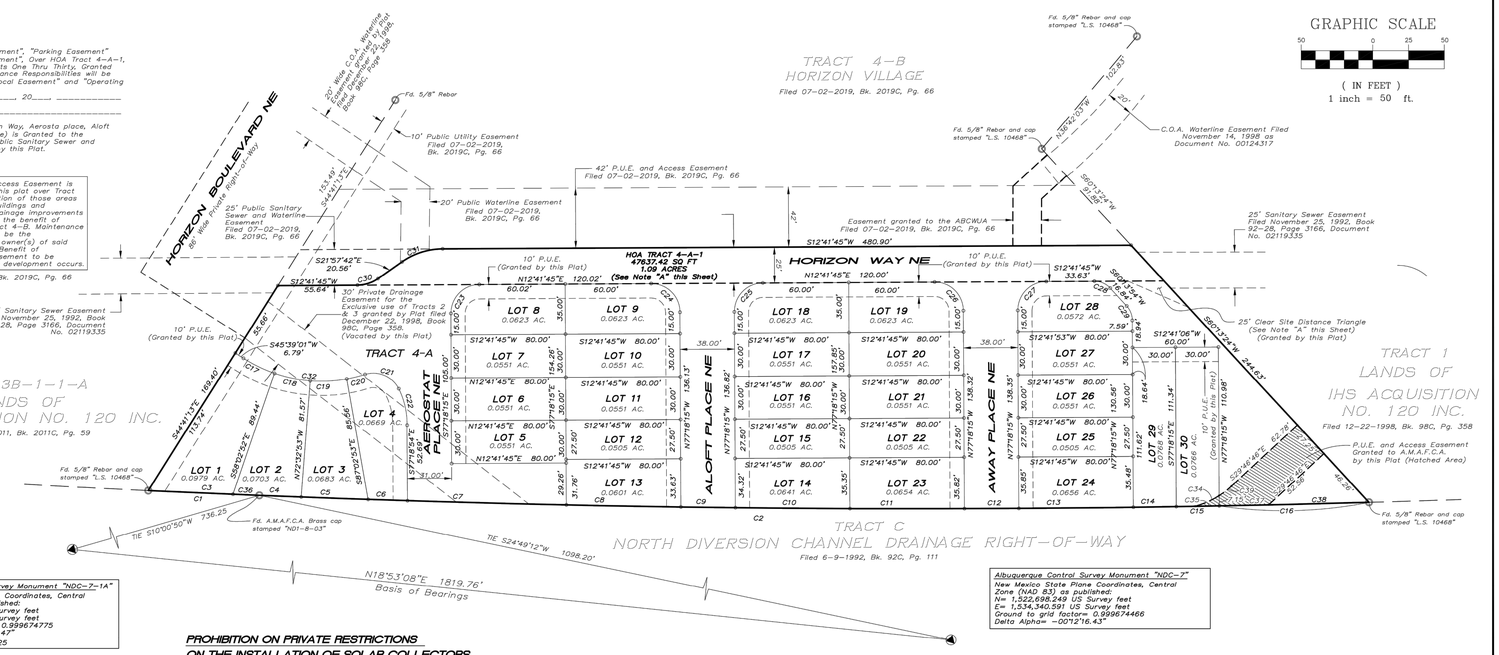
GRAPHIC SCALE
50 0 25 50
(IN FEET)
1 inch = 50 ft.

NOTES:

A. "Private Access Easement", "Parking Easement" and "Drainage Easement", Over HCA Tract 4-A-1, for the benefit of Lots One Thru Thirty, Granted by this Plat. Maintenance Responsibilities will be Provided Per "Reciprocal Easement" and "Operating Agreement"
Filed _____, 20____, _____

B. Tract 4-A-1 (Horizon Way, Aerosta place, Aloft Place and Away Place) is Granted to the A.B.C.W.U.A. as a Public Sanitary Sewer and Waterline Easement by this Plat.

A Private Blanket Access Easement is hereby granted by this plat over Tract 4-A with the exception of those areas covered by future buildings and non-storm water drainage improvements within said tract for the benefit of A.M.A.F.C.A. and Tract 4-B. Maintenance of said easement to be the responsibility of the owner(s) of said Tract 4-A. For the Benefit of A.M.A.F.C.A. Said Easement to be vacated when future development occurs.
Filed 07-02-2019, Bk. 2019C, Pg. 66



Albuquerque Control Survey Monument "NDC-7-1A"
New Mexico State Plane Coordinates, Central Zone (NAD 83) as published:
N= 1,524,419.502 US Survey feet
E= 1,534,929.428 US Survey feet
Ground to grid factor= 0.999674775
Delta Alpha= -00°12'12.47"
TIE= N10°00'50"E, 736.25

Albuquerque Control Survey Monument "NDC-7"
New Mexico State Plane Coordinates, Central Zone (NAD 83) as published:
N= 1,522,698.249 US Survey feet
E= 1,534,340.591 US Survey feet
Ground to grid factor= 0.999674466
Delta Alpha= -00°12'16.43"

PROHIBITION ON PRIVATE RESTRICTIONS ON THE INSTALLATION OF SOLAR COLLECTORS

"No property within the area of this plat shall at any time be subject to a deed restriction, covenant, or binding agreement prohibiting solar collectors from being installed on buildings or erected on the lots or parcels within the area of proposed plat. The foregoing requirement shall be a condition to approval of this plat."

SHEET 3 OF 3

SURV TEK
Consulting Surveyors
9384 Valley View Drive, N.W. Albuquerque, New Mexico 87114
Phone: 505-897-3366
Fax: 505-897-3377

FOR INFORMATION ONLY

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY CARTESIAN SURVEYS 2/21
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
PROFESSIONAL ENGINEER
2/21/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

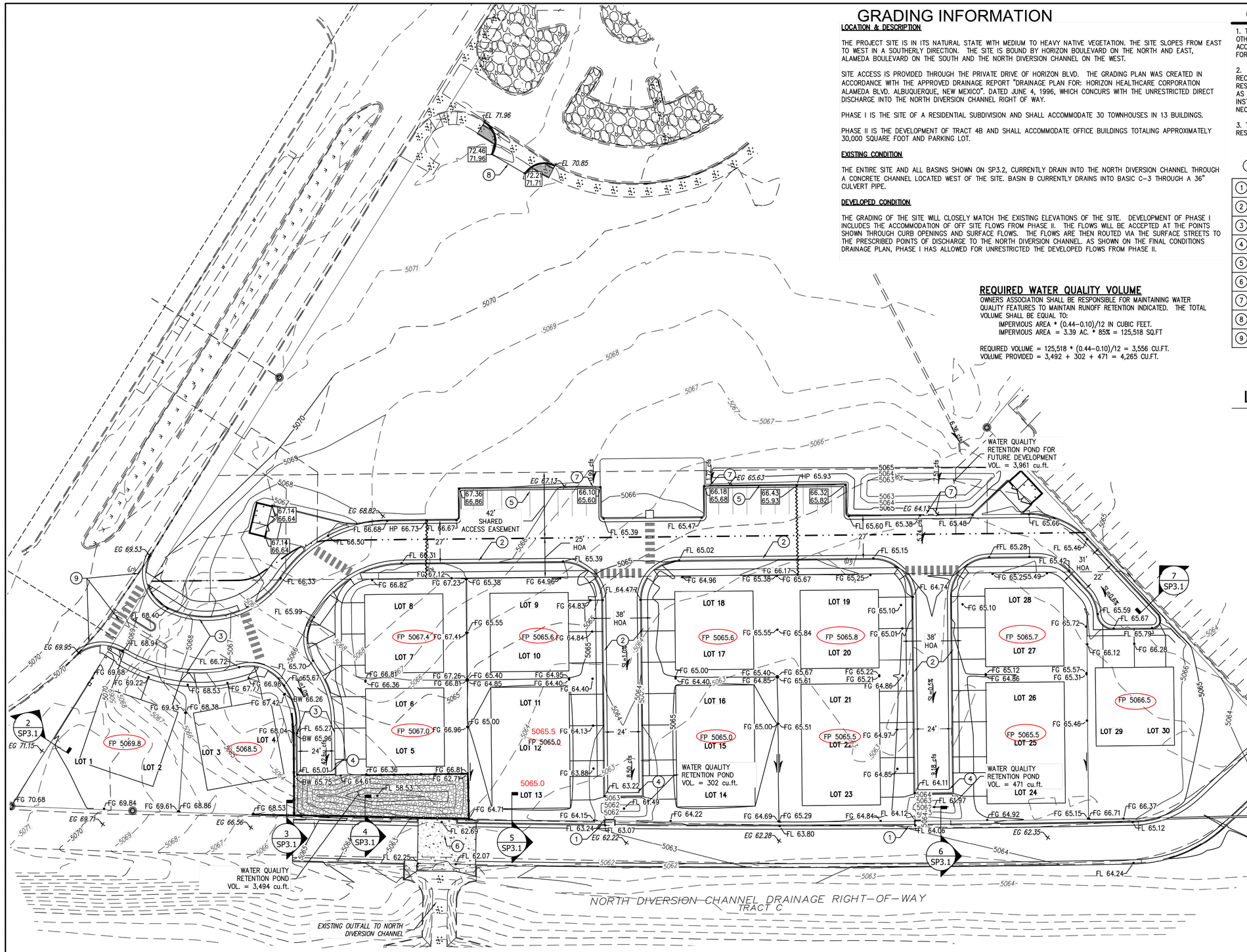
THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON VILLAGE SUBDIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
For Information Only				

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 2 OF 15

RECORD DRAWINGS



GRADING INFORMATION

LOCATION & DESCRIPTION

THE PROJECT SITE IS IN ITS NATURAL STATE WITH MEDIUM TO HEAVY NATIVE VEGETATION. THE SITE SLOPES FROM EAST TO WEST IN A SOUTHERLY DIRECTION. THE SITE IS BOUND BY HORIZON BOULEVARD ON THE NORTH AND EAST, ALAMEDA BOULEVARD ON THE SOUTH AND THE NORTH DIVERSION CHANNEL ON THE WEST.

SITE ACCESS IS PROVIDED THROUGH THE PRIVATE DRIVE OF HORIZON BLVD. THE GRADING PLAN WAS CREATED IN ACCORDANCE WITH THE APPROVED DRAINAGE REPORT "DRAINAGE PLAN FOR: HORIZON HEALTHCARE CORPORATION ALAMEDA BLVD. ALBUQUERQUE, NEW MEXICO". DATED JUNE 4, 1996, WHICH CONCURS WITH THE UNRESTRICTED DIRECT DISCHARGE INTO THE NORTH DIVERSION CHANNEL RIGHT OF WAY.

PHASE I IS THE SITE OF A RESIDENTIAL SUBDIVISION AND SHALL ACCOMMODATE 30 TOWNHOUSES IN 13 BUILDINGS.

PHASE II IS THE DEVELOPMENT OF TRACT 4B AND SHALL ACCOMMODATE OFFICE BUILDINGS TOTALING APPROXIMATELY 30,000 SQUARE FOOT AND PARKING LOT.

EXISTING CONDITION

THE ENTIRE SITE AND ALL BASINS SHOWN ON SP3.2, CURRENTLY DRAIN INTO THE NORTH DIVERSION CHANNEL THROUGH A CONCRETE CHANNEL LOCATED WEST OF THE SITE. BASIN B CURRENTLY DRAINS INTO BASIC C-3 THROUGH A 36" CULVERT PIPE.

DEVELOPED CONDITION

THE GRADING OF THE SITE WILL CLOSELY MATCH THE EXISTING ELEVATIONS OF THE SITE. DEVELOPMENT OF PHASE I INCLUDES THE ACCOMMODATION OF OFF SITE FLOWS FROM PHASE II. THE FLOWS WILL BE ACCEPTED AT THE POINTS SHOWN THROUGH CURB OPENINGS AND SURFACE FLOWS. THE FLOWS ARE THEN ROUTED VIA THE SURFACE STREETS TO THE PRESCRIBED POINTS OF DISCHARGE TO THE NORTH DIVERSION CHANNEL. AS SHOWN ON THE FINAL CONDITIONS DRAINAGE PLAN, PHASE I HAS ALLOWED FOR UNRESTRICTED THE DEVELOPED FLOWS FROM PHASE II.

REQUIRED WATER QUALITY VOLUME

OWNERS ASSOCIATION SHALL BE RESPONSIBLE FOR MAINTAINING WATER QUALITY FEATURES TO MAINTAIN RUNOFF RETENTION INDICATED. THE TOTAL VOLUME SHALL BE EQUAL TO:

IMPERVIOUS AREA * (0.44-0.10)/12 IN CUBIC FEET.
IMPERVIOUS AREA = 3.39 AC. * 85% = 125,518 SQ.FT

REQUIRED VOLUME = 125,518 * (0.44-0.10)/12 = 3,556 CU.FT.
VOLUME PROVIDED = 3,492 + 302 + 471 = 4,265 CU.FT.

GENERAL SHEET NOTES

1. THE CONCEPT DETAILED ON THESE PLANS SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 8.

2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.

SHEET KEYED NOTES

1	4' DISCHARGE CULVERT – OPEN TOP BOX SHAPE
2	ROLL-TYPE CURB & GUTTER, PER COA STD. DTL. 2415A
3	STANDARD CURB & GUTTER, PER COA STD. DTL. 2415A
4	ESTATE CURB RUNDOWN, PER COA STD. DTL. 2415A
5	6" SPILL TYPE CURB
6	CONCRETE SWALE TO AMAFCA CHANNEL
7	3' CURB OPENING
8	24' TRACT 4B ENTRANCE
9	EXISTING CURB, INLET AND PIPE TO BE REMOVED

LEGEND

- GRADE BREAK
- 5000 — EXISTING CONTOUR
- 5000 — EXISTING CONTOUR
- EASEMENT
- RETAINING WALL
- RIP RAP
- EL=11.28 — PROPOSED ELEVATION
- 66.33 — EXISTING ELEVATION
- 12.11 / 11.61 — TOP OF CURB / BOTTOM OF CURB
- TW 11.28 — PROPOSED GROUND ELEVATION AT WALL

AS BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY	CARTESIAN SURVEYS	DATE 7/20-1/21
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY	CARTESIAN SURVEYS	DATE 2/21
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY — NEW MEXICO — 12850 — REGISTERED PROFESSIONAL ENGINEER
JUNE 23, 2019

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DATE 1/31/19	
		DATE 4/7/19	
		DATE 4/12/19	

DESIGNED BY REH
DRAWN BY REH
CHECKED BY REH

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

FOR INFORMATION ONLY

30' 15' 0 30' 60'
SCALE: 1" = 30'

HORIZON ALDEA SUBDIVISION
A REPLAT OF TRACT 4 LANDS OF lhs ACQUISITION NO 120
GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
For Information Only				

CITY PROJECT No.	ZONE MAP NO.	SHEET	OF
	C-17	1	2

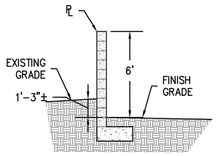
RECORD DRAWINGS

GENERAL SHEET NOTES

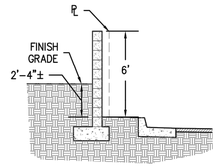
1. THE CONCEPT DETAILED ON THESE PLANS SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 8.

2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

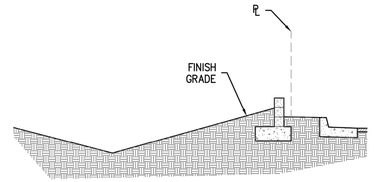
3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.



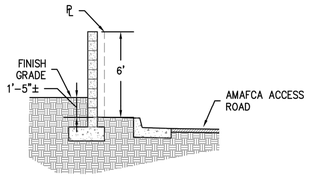
2 SECTION AT PROPERY LINE
Scale: 1"=5'



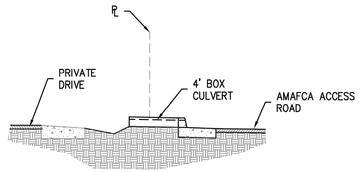
3 SECTION AT PROPERY LINE
Scale: 1"=5'



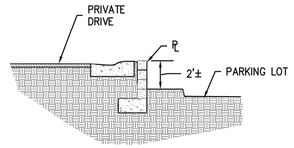
4 SECTION AT WATER QUALITY
Scale: 1"=5'



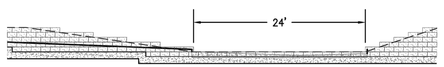
5 SECTION AT PROPERY LINE
Scale: 1"=5'



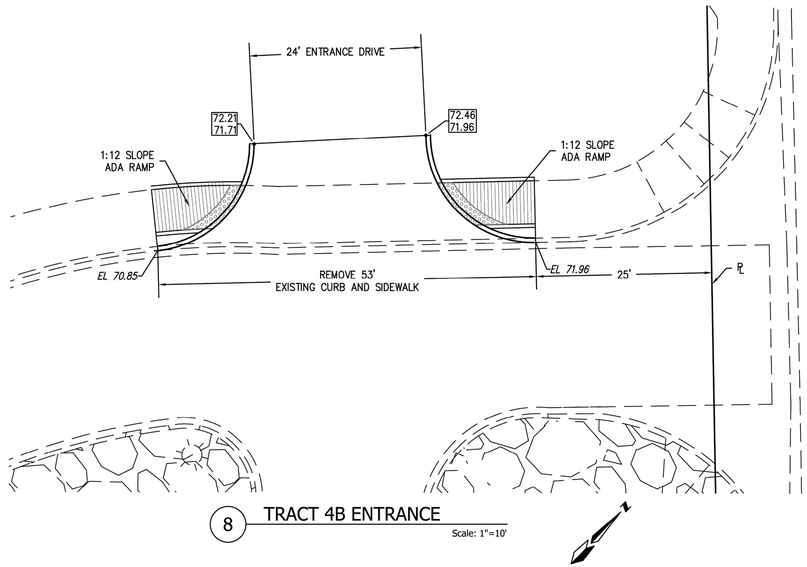
6 SECTION AT PROPERY LINE
Scale: 1"=5'



7 SECTION AT PROPERY LINE
Scale: 1"=5'



1 DRAIANGE DISCHARGE WIER
Scale: 1"=10'



8 TRACT 4B ENTRANCE
Scale: 1"=10'

FOR INFORMATION ONLY

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY	CARTESIAN SURVEYS	DATE 7/20-1/21
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD LOCATION BY	CARTESIAN SURVEYS	DATE 2/21
RECORD DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY NEW MEXICO (21850) LICENSED PROFESSIONAL ENGINEER

JUNE 13, 2019

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 1/31/19
DRAWN BY REH DATE 4/7/19
CHECKED BY REH DATE 4/12/19

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON ALDEA SUBDIVISION
A REPLAT OF TRACT 4 LANDS OF ihs ACQUISITION NO 120
GRADING DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
For Information Only				

CITY PROJECT No.	ZONE MAP NO.	SHEET	OF
	C-17	2	2

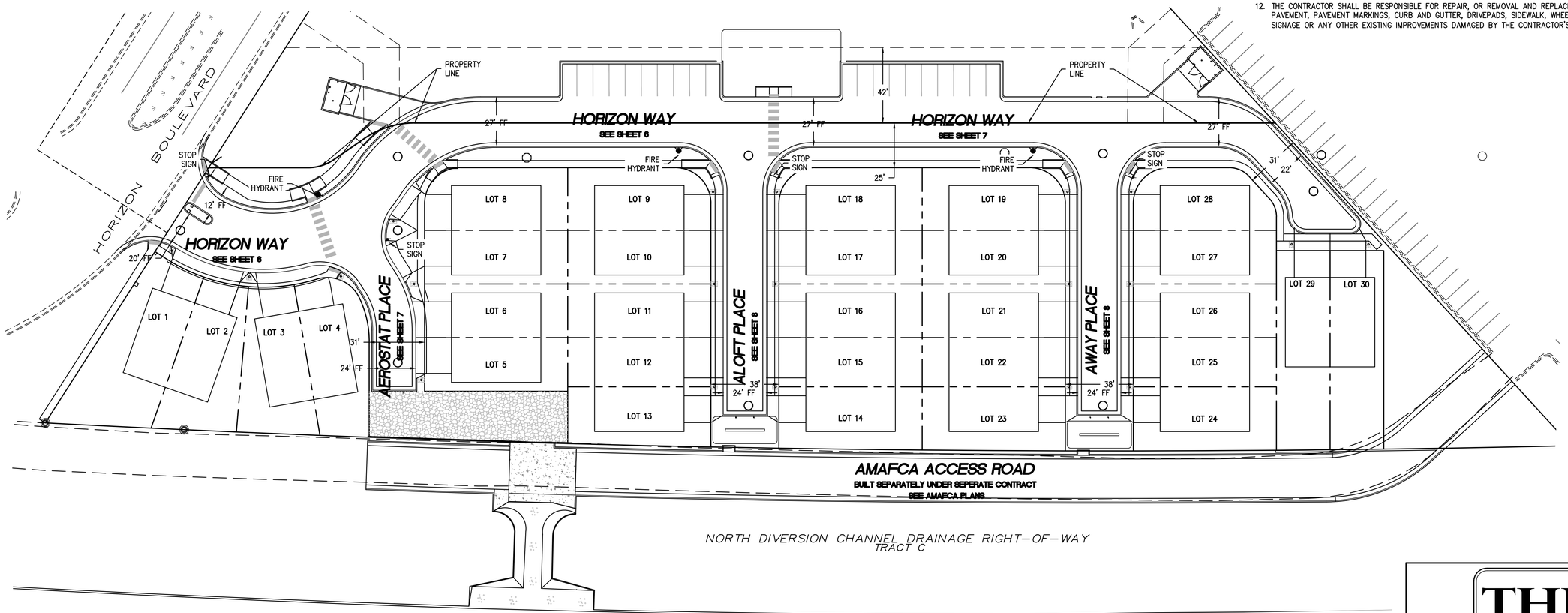
RECORD DRAWINGS

GENERAL NOTES

NOTICE TO CONTRACTORS

PAVING

1. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
2. ANY DAMAGE TO THE EXISTING CURB & GUTTER, PAVEMENT, SIDEWALKS, STRIPING, AND SIGNAGE DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
4. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE LINE AND GRADE OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
6. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
7. AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
8. CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB AND GUTTER. IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED; REFER TO C.O.A. STANDARD DRAWING # 2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.
9. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
10. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
11. UNLESS SPECIFICALLY NOTED, SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR, OR REMOVAL AND REPLACEMENT, OF ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, SIDEWALK, WHEELCHAIR RAMP, SIGNAGE OR ANY OTHER EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS.



THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTOR'S ACCEPTANCE BY DATE
AS-BUILT VERIFICATION BY CARTESIAN SURVEYS DATE 2/21
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BM NM 448 N8
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
LICENSED PROFESSIONAL ENGINEER
2/21/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
GENERAL PAVING
GENERAL PAVING NOTES AND SHEET MAP

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

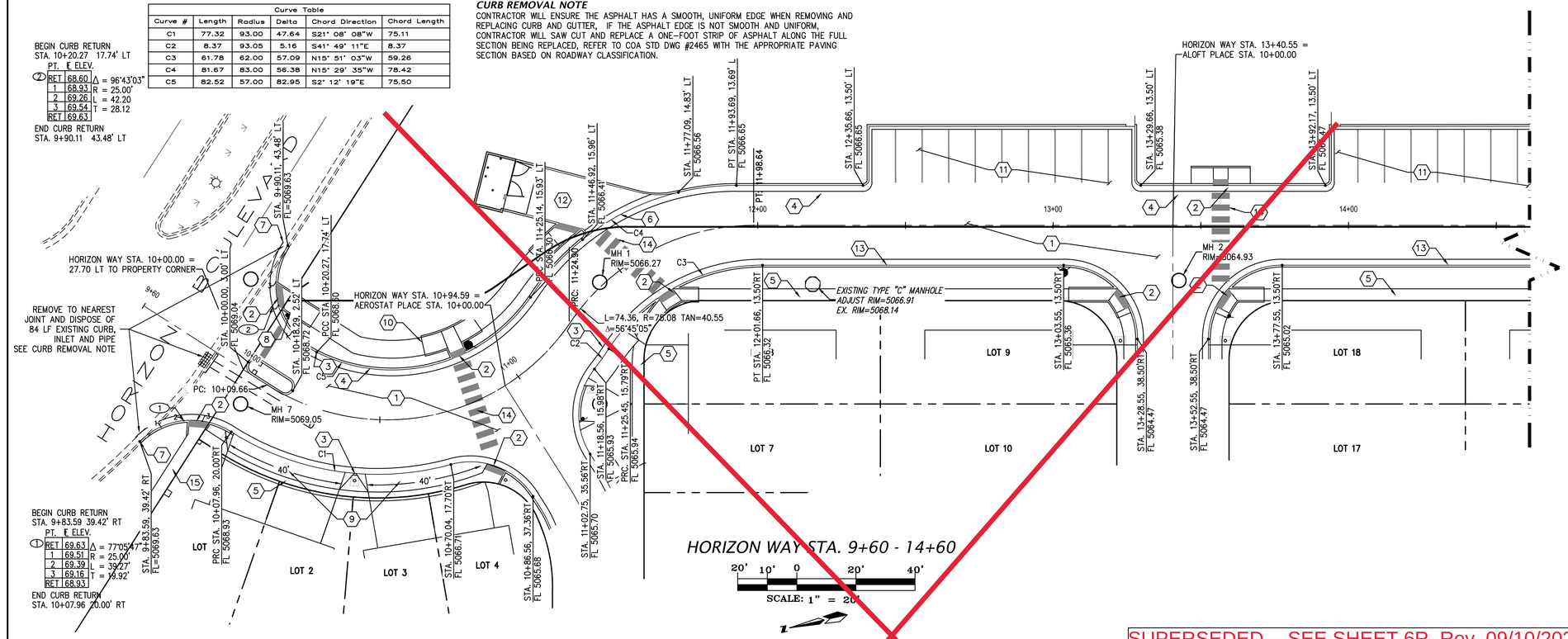
CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 5 OF 15

July 21,

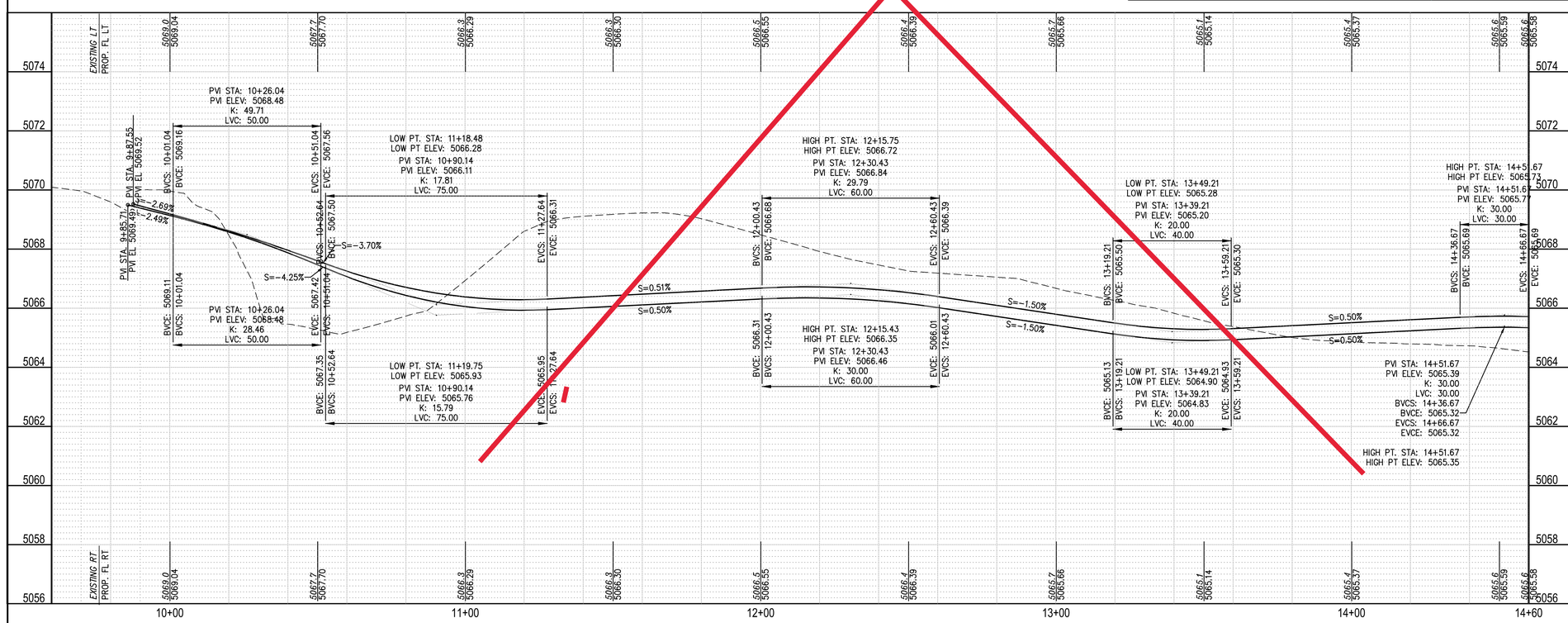
Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	77.32	93.00	47.64	S21° 08' 08"W	75.11
C2	8.37	93.05	5.16	S41° 49' 11"E	8.37
C3	61.78	62.00	57.09	N15° 51' 03"W	59.26
C4	81.67	83.00	56.38	N15° 29' 35"W	78.42
C5	82.52	57.00	82.95	S2° 12' 19"E	75.50

CURB REMOVAL NOTE

CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB AND GUTTER, IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED, REFER TO COA STD DWG #2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.



SUPERSEDED -- SEE SHEET 6R, Rev. 09/10/2020.



SCALE: 1" = 2' VERTICAL

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION SHEET 9
2	BUILD PCC WHEELCHAIR RAMP, PER DETAIL SHEET 9 AND COA STD. DTL. 2426
3	BUILD PCC STANDARD CURB & GUTTER, PER COA STD. DTL. 2415A
4	BUILD PCC DEPRESSED CURB & GUTTER, PER COA STD. DTL. 2415A
5	BUILD 4' PCC SIDEWALK, PER COA STD. DTL. 2430
6	BUILD PCC VALLEY GUTTER, PER COA STD. DTL. 2420
7	REMOVE TO NEAREST JOINT AND DISPOSE EXISTING PCC CURB AND GUTTER
8	INSTALL R1-1-30 STOP AND STREET SIGNS W/ POST AND PAINTED STOP BAR, PER COA STD. DTLS. 2900-201, 2900-601 AND 2900-702
9	BUILD DRIVEPAD PER COA STD. DTL. 2425
10	BUILD 6' PCC SIDEWALK, PER COA STD. DTL. 2430
11	PARKING AREA PER DETAIL SHEET 10
12	DUMPSTER AREA PER DETAIL SHEET 10
13	BUILD PCC MOUNTABLE CURB & GUTTER, PER COA STD. DTL. 2415A
14	ADA STRIPING PER DETAIL SHEET 10
15	DEFERRED 4' PCC SIDEWALK, PER COA STD. DTL. 2430

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BM NM 448 N8
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO (21850) LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH — DATE 10/31/19
DRAWN BY REH — DATE 12/07/19
CHECKED BY REH — DATE 02/21/20

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON VILLAGE SUBDIVISION
HORIZON WAY STA. 9+60 – 14+60
PAVING PLAN AND PROFILE

DESIGN REVIEW COMMITTEE — APPROVED July 21, 2020 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED Aug 6, 2020 — CITY ENGINEER
LAST DESIGN UPDATE — Mo./DAY/YR. — Mo./DAY/YR.

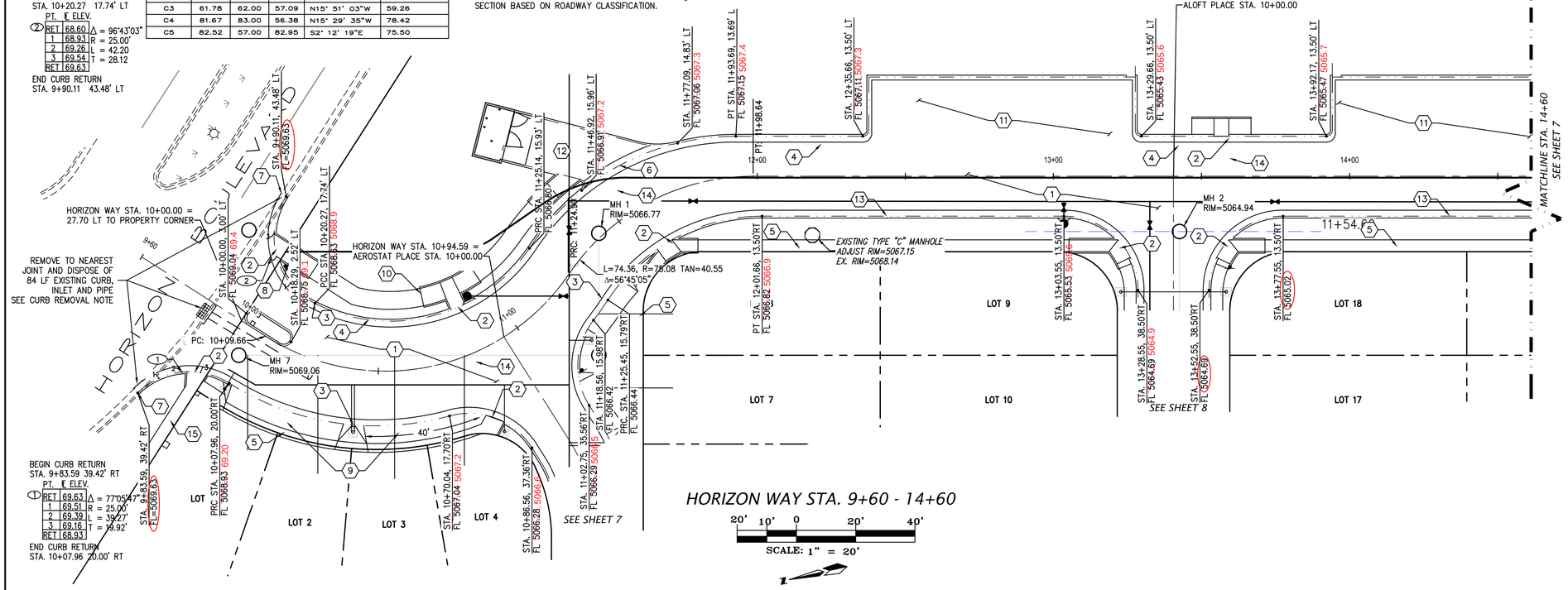
CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 6 OF 15

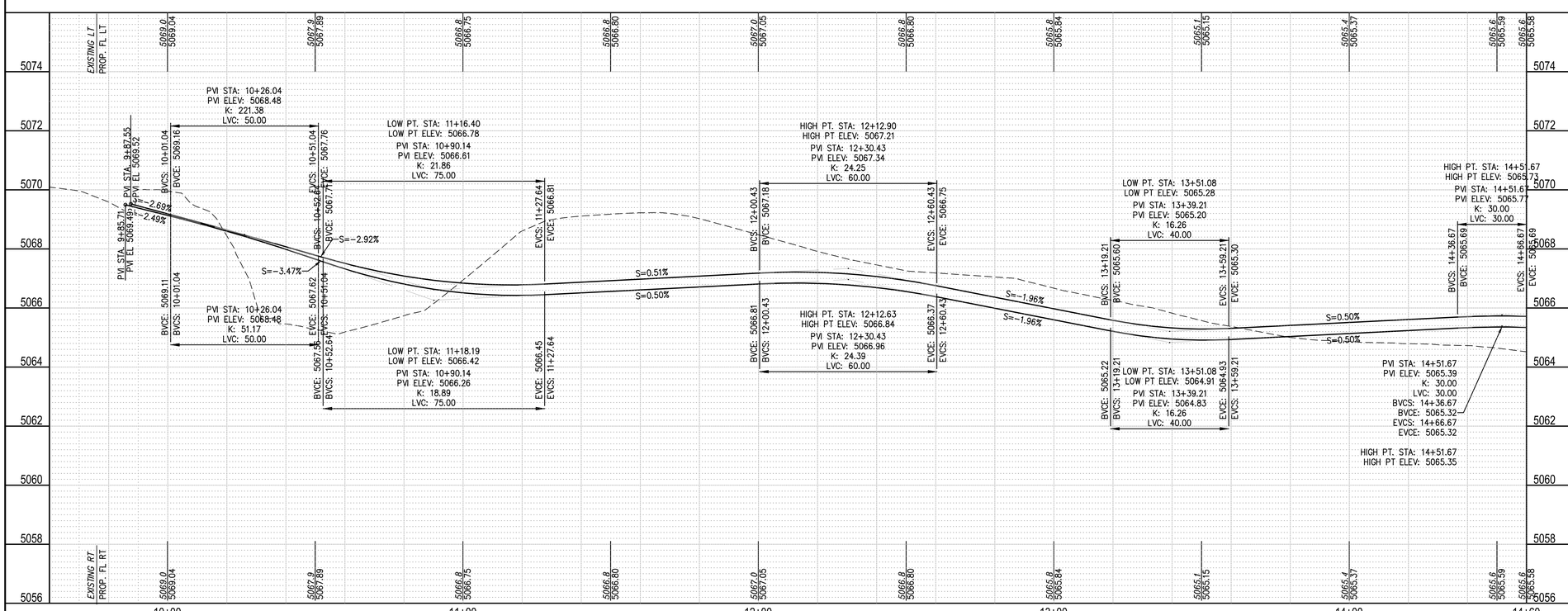
RECORD DRAWINGS

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	77.32	93.00	47.64	S21° 08' 08"W	75.11
C2	8.37	93.05	5.16	S41° 49' 11"E	8.37
C3	61.78	62.00	57.09	N15° 51' 03"W	59.26
C4	81.67	83.00	56.38	N15° 29' 35"W	78.42
C5	82.52	57.00	82.95	S2° 12' 19"E	75.50

CURB REMOVAL NOTE

CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB AND GUTTER, IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED, REFER TO COA STD DWG #2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.





SCALE: 1" = 2' VERTICAL

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION SHEET 9
2	BUILD PCC WHEELCHAIR RAMP, PER DETAIL SHEET 9 AND COA STD. DTL. 2426
3	BUILD PCC STANDARD CURB & GUTTER, PER COA STD. DTL. 2415A
4	BUILD PCC DEPRESSED CURB & GUTTER, PER COA STD. DTL. 2415A
5	BUILD 4' PCC SIDEWALK, PER COA STD. DTL. 2430
6	BUILD PCC VALLEY GUTTER, PER COA STD. DTL. 2420
7	REMOVE TO NEAREST JOINT AND DISPOSE EXISTING PCC CURB AND GUTTER
8	INSTALL R1-1-30 STOP AND STREET SIGNS W/ POST AND PAINTED STOP BAR, PER COA STD. DTLS. 2900-201, 2900-601 AND 2900-702
9	BUILD DRIVEPAD PER COA STD. DTL. 2425
10	BUILD 6' PCC SIDEWALK, PER COA STD. DTL. 2430
11	PARKING AREA PER DETAIL SHEET 10
12	DUMPSTER AREA PER DETAIL SHEET 10
13	BUILD PCC MOUNTABLE CURB & GUTTER, PER COA STD. DTL. 2415A
14	ADA STRIPING PER DETAIL SHEET 10
15	DEFERRED 4' PCC SIDEWALK, PER COA STD. DTL. 2430

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY CARTESIAN SURVEYS DATE 2/21
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BM NM 448 N8
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO 21850 REGISTERED PROFESSIONAL ENGINEER
3/20/20

SEWER DEPTH REVISION

NO.	DATE	REMARKS	BY
1	8/25/20	DESIGN	REH

REVISIONS

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

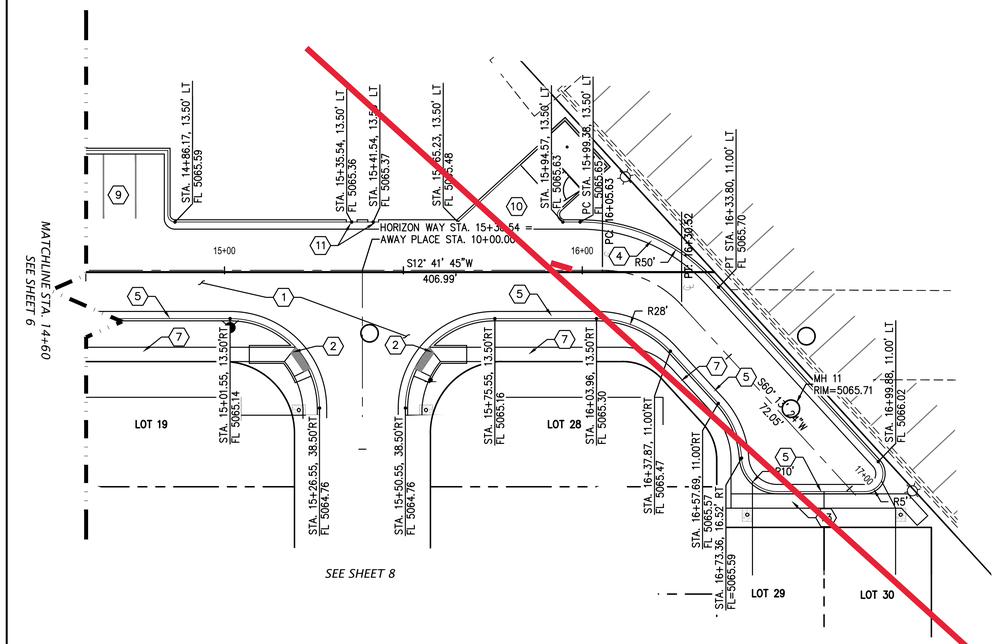
HORIZON VILLAGE SUBDIVISION
HORIZON WAY STA. 9+60 – 14+60
PAVING PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER
LAST DESIGN UPDATE | Mo./DAY/YR. | Mo./DAY/YR.

CITY PROJECT No. 799782
ZONE MAP NO. C-17
SHEET 6 OF 15

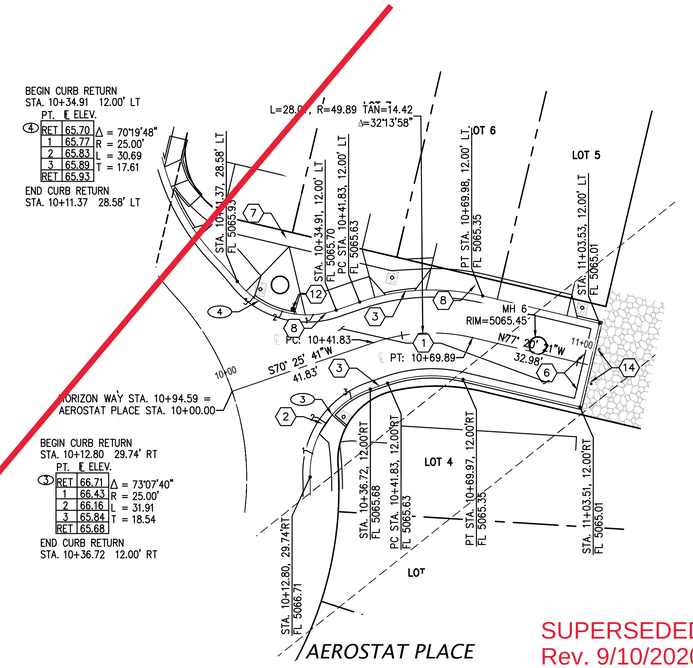
PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION SHEET 9
2	BUILD PCC WHEELCHAIR RAMP, PER DETAIL SHEET 9 AND COA STD. DTL. 2426
3	BUILD PCC STANDARD CURB & GUTTER, PER COA STD. DTL. 2415A
4	BUILD PCC DEPRESSED CURB & GUTTER, PER COA STD. DTL. 2415A
5	BUILD PCC MOUNTABLE ROLL-TYPE CURB & GUTTER, PER COA STD. DTL. 2415A
6	BUILD PCC RUNDOWN CURB, PER COA STD. DTL. 2415A
7	BUILD 4' PCC SIDEWALK, PER COA STD. DTL. 2430
8	DRIVEPAD
9	PARKING AREA PER DETAIL SHEET 10
10	DUMPSTER AREA PER DETAIL SHEET 10
11	3' CURB OPENINGS
12	INSTALL R1-1-30 STOP SIGN W/ POST, PER COA STD. DTLS. 2900-201, 2900-601 AND 2900-702
13	DEFERRED 4' PCC SIDEWALK, PER COA STD. DTL. 2430
14	BOLLARD PER DETAIL SHEET 9



HORIZON WAY STA. 14+60 - 17+00

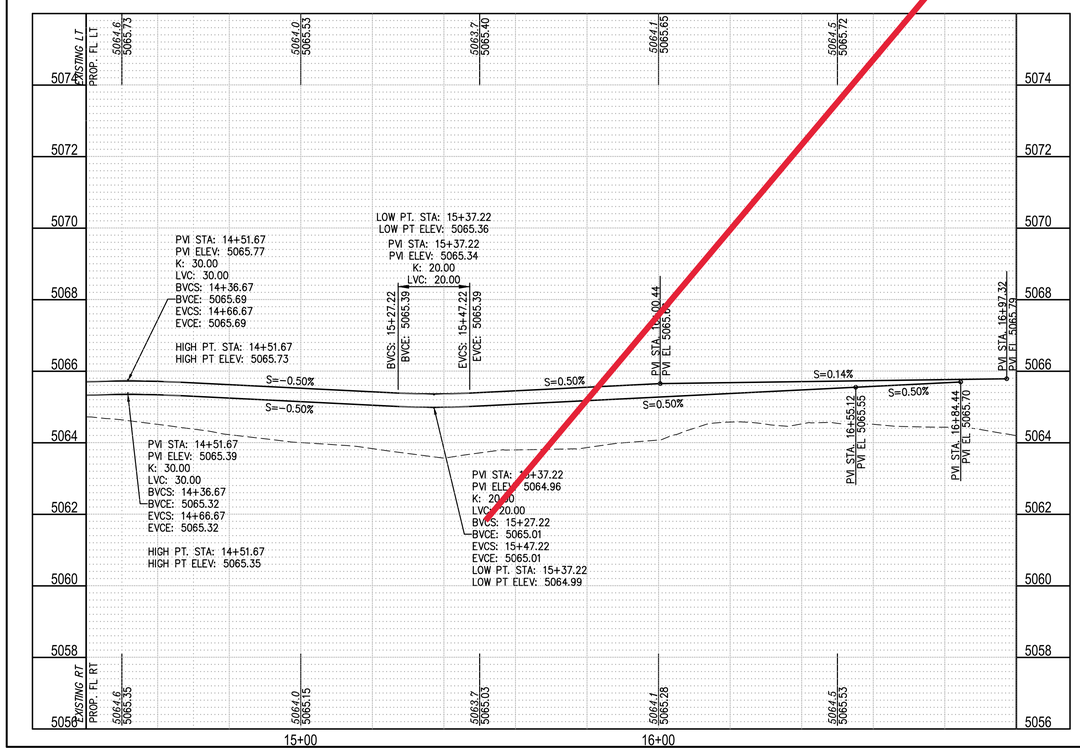
SCALE: 1" = 20'



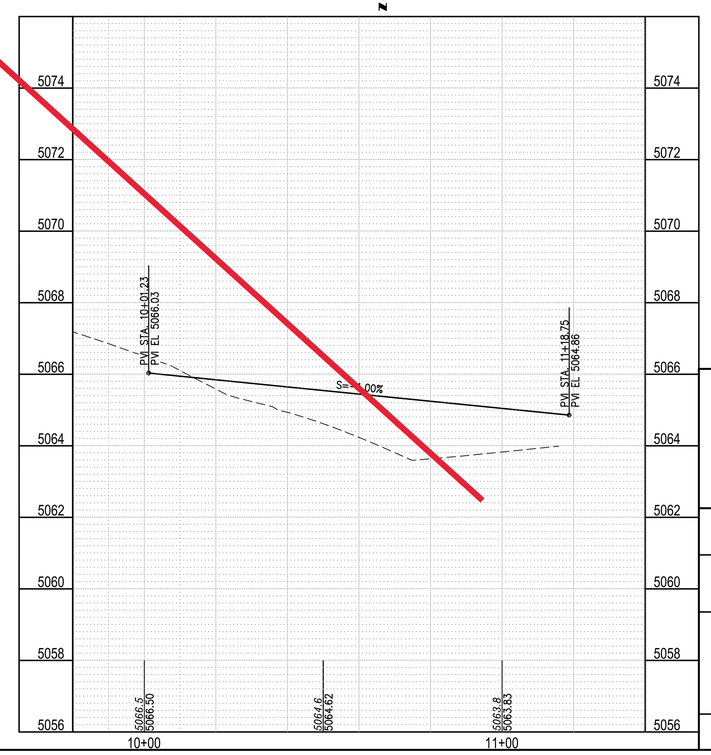
AEROSTAT PLACE

SCALE: 1" = 20'

SUPERSEDED -- SEE SHEET 7R, Rev. 9/10/2020.



SCALE: 1" = 2' VERTICAL



THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
STAKING CHECKS ACCEPTANCE BY
DATE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
RECORDED BY
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
LICENSED PROFESSIONAL ENGINEER
2/21/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

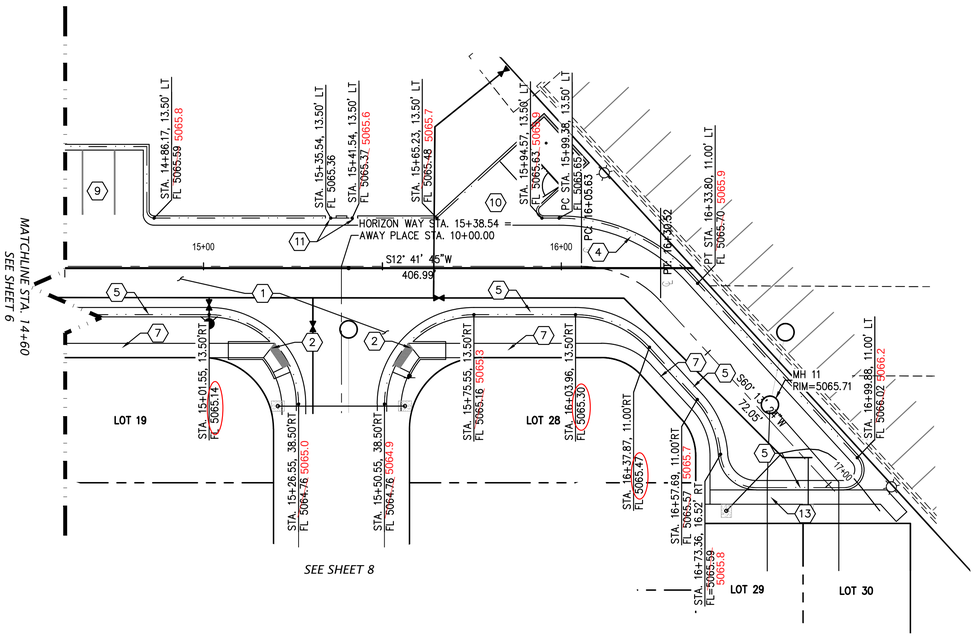
DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY STA. 14+60 – 17+00 & AEROSTAT PLACE
PAVING PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

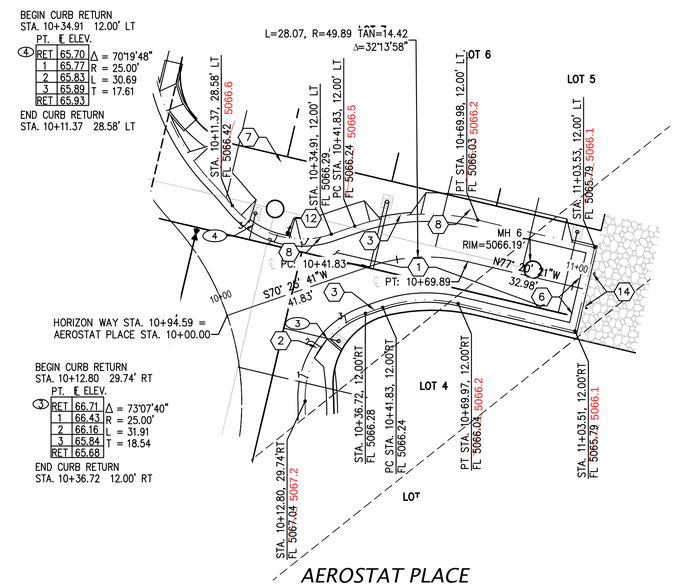
CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 7 OF 15

RECORD DRAWINGS



HORIZON WAY STA. 14+60 - 17+00

20' 10' 0 20' 40'
SCALE: 1" = 20'

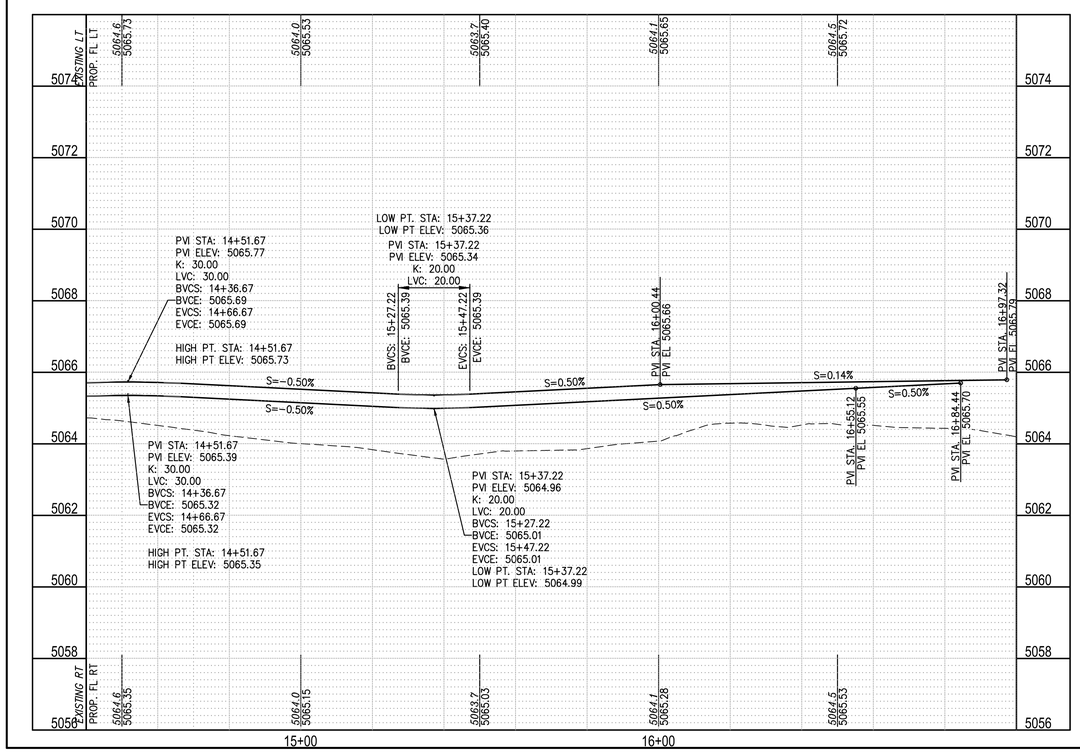


AEROSTAT PLACE

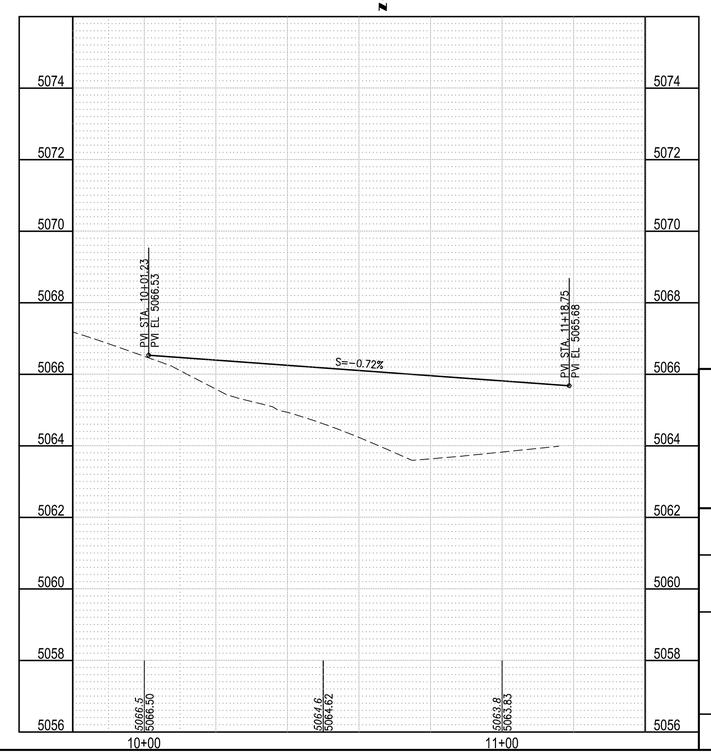
20' 10' 0 20' 40'
SCALE: 1" = 20'

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION SHEET 9
2	BUILD PCC WHEELCHAIR RAMP, PER DETAIL SHEET 9 AND COA STD. DTL. 2426
3	BUILD PCC STANDARD CURB & GUTTER, PER COA STD. DTL. 2415A
4	BUILD PCC DEPRESSED CURB & GUTTER, PER COA STD. DTL. 2415A
5	BUILD PCC MOUNTABLE ROLL-TYPE CURB & GUTTER, PER COA STD. DTL. 2415A
6	BUILD PCC RUNDOWN CURB, PER COA STD. DTL. 2415A
7	BUILD 4' PCC SIDEWALK, PER COA STD. DTL. 2430
8	BUILD DRIVEPAD PER COA STD. DTL. 2425
9	PARKING AREA PER DETAIL SHEET 10
10	DUMPSTER AREA PER DETAIL SHEET 10
11	3' CURB OPENINGS
12	INSTALL R1-1-30 STOP SIGN W/ POST, PER COA STD. DTLS. 2900-201, 2900-601 AND 2900-702
13	DEFERRED 4' PCC SIDEWALK, PER COA STD. DTL. 2430
14	BOLLARD PER DETAIL SHEET 9



2' 1' 0 2' 4'
SCALE: 1" = 2' VERTICAL



THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON VILLAGE SUBDIVISION
HORIZON WAY STA. 14+60 – 17+00 & AEROSTAT PLACE
PAVING PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER
LAST DESIGN UPDATE | Mo./DAY/YR. | Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 7 OF 15

AS BUILT INFORMATION
CONTRACTOR | DATE 7/20/12
WORK STAKED BY: CARTESIAN SURVEYS | DATE
ACCEPTANCE BY | DATE
FIELD VERIFICATION BY: CARTESIAN SURVEYS | DATE 2/21
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO 21850 LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
1	8/25/20	SEWER DEPTH REVISION	

REVISIONS

DESIGN
DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

PAVING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	BUILD ASPHALT PAVING, PER TYPICAL SECTION SHEET 9
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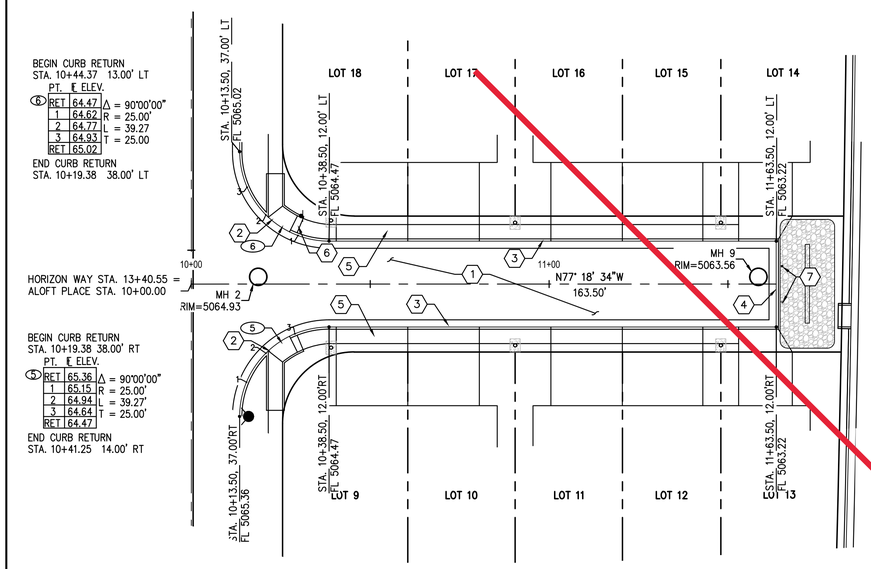
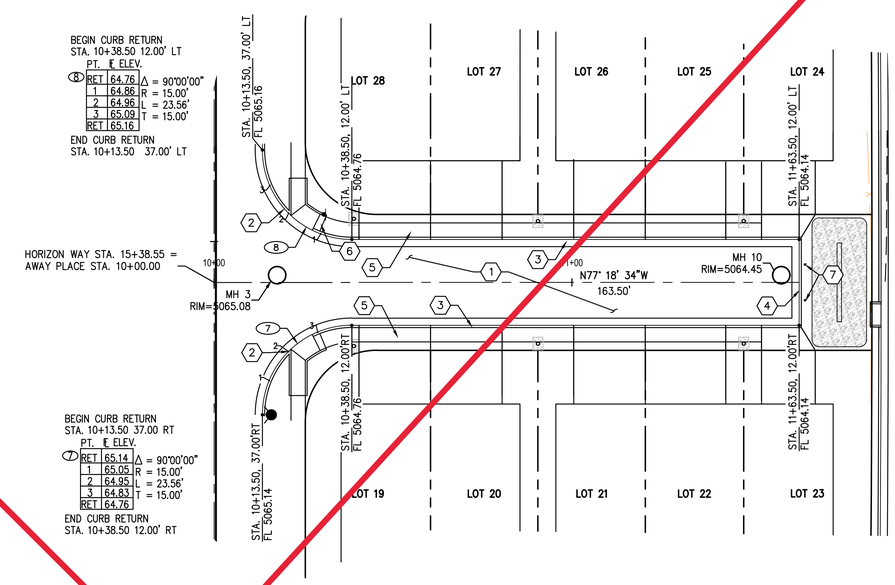
6	INSTALL R1-1-30 STOP SIGN W/ POST, PER COA STD. DTLS. 2900-201, 2900-601 AND 2900-702
7	BOLLARD PER DETAIL SHEET 9



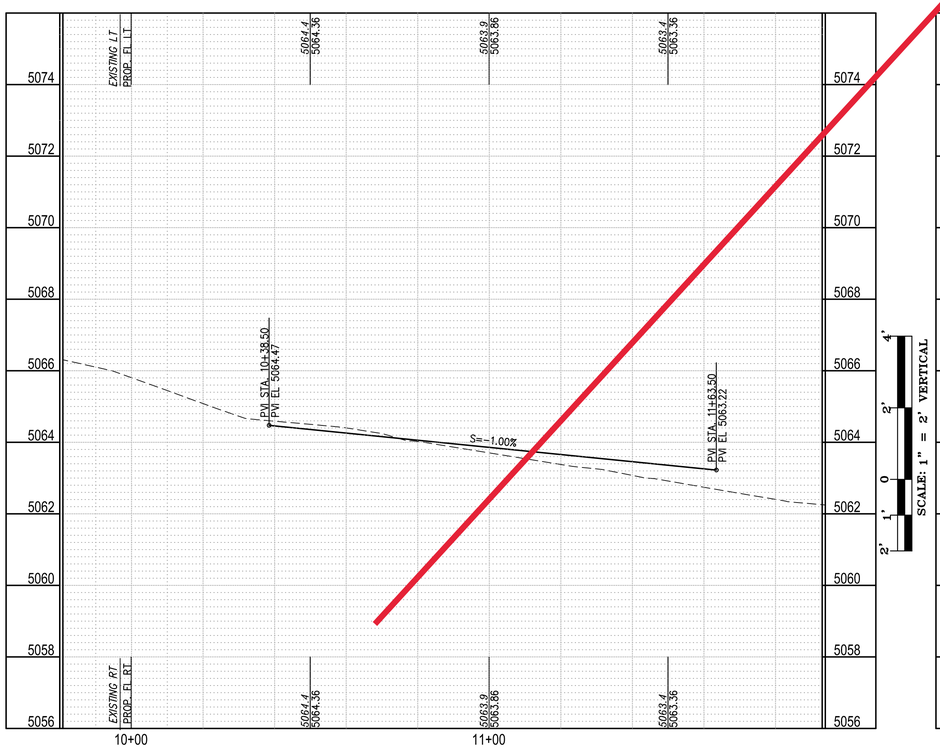


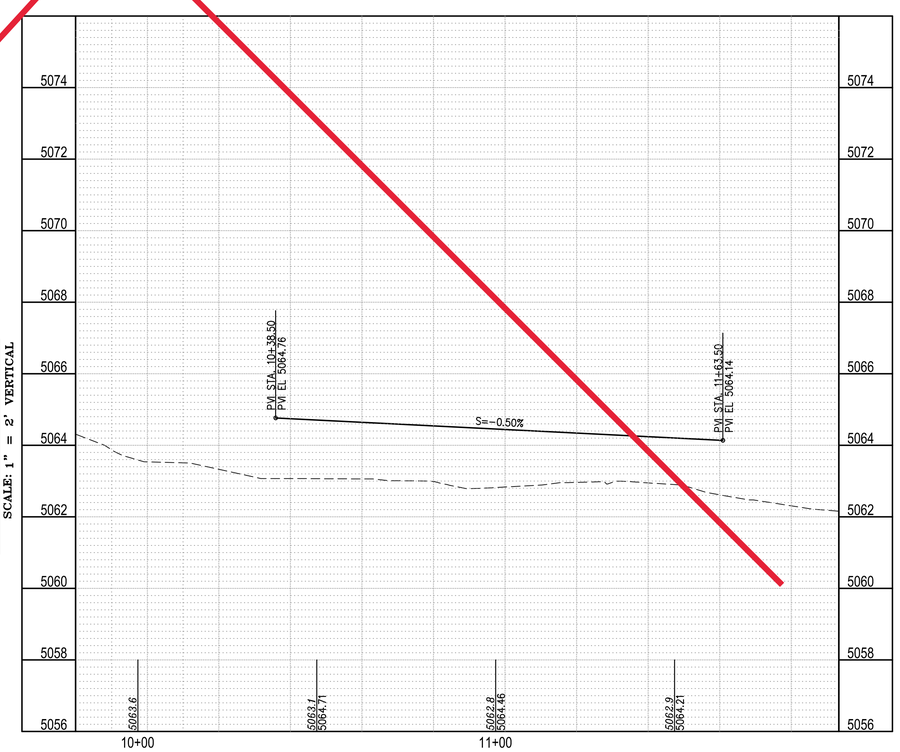
SUPERSEDED -- SEE SHEET 8R, Rev. 9/10/2020.

ALOFT PLACE

20' 10' 0 20' 40'
SCALE: 1" = 20'

20' 10' 0 20' 40'
SCALE: 1" = 20'





AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

*ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON L. HENSLEY
NEW MEXICO
(21850)
LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

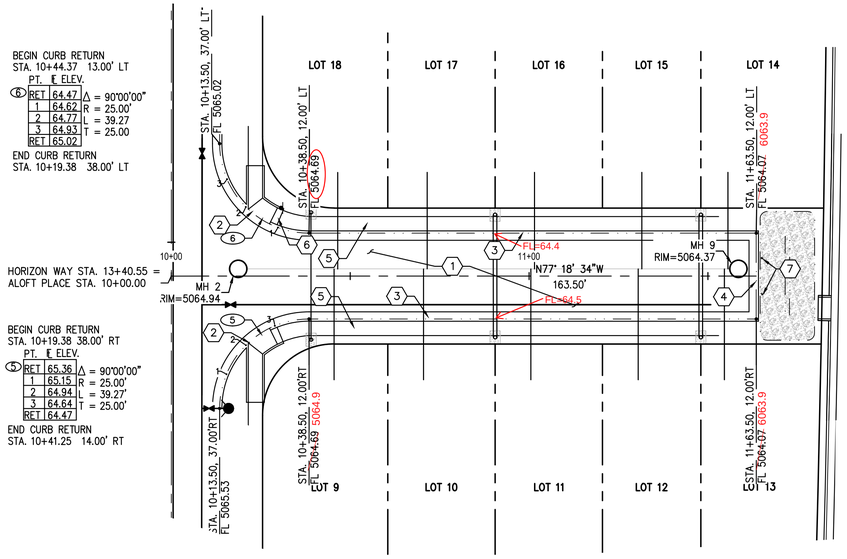
THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON VILLAGE SUBDIVISION
ALOFT PLACE & AWAY PLACE
PAVING PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE — Mo./DAY/YR. — Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 8 OF 15

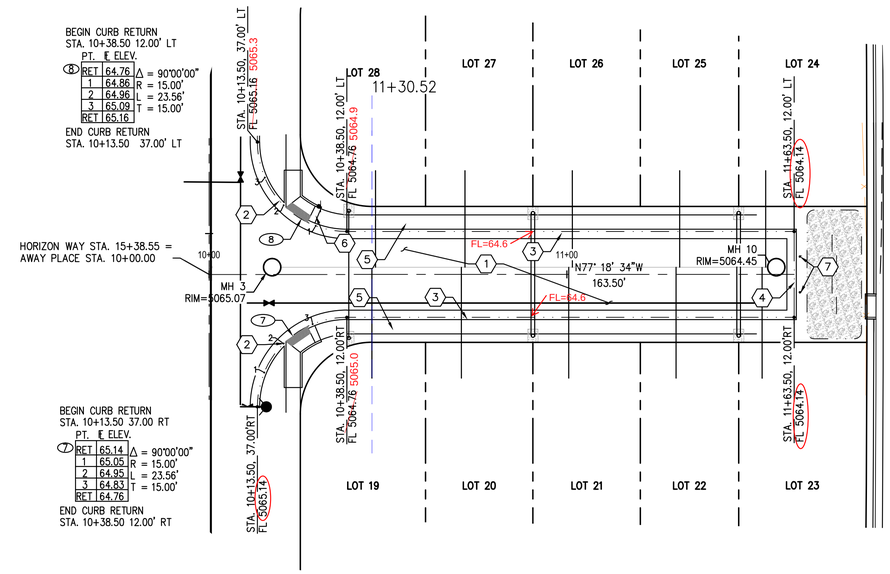
RECORD DRAWINGS



ALOFT PLACE

20' 10' 0 20' 40'

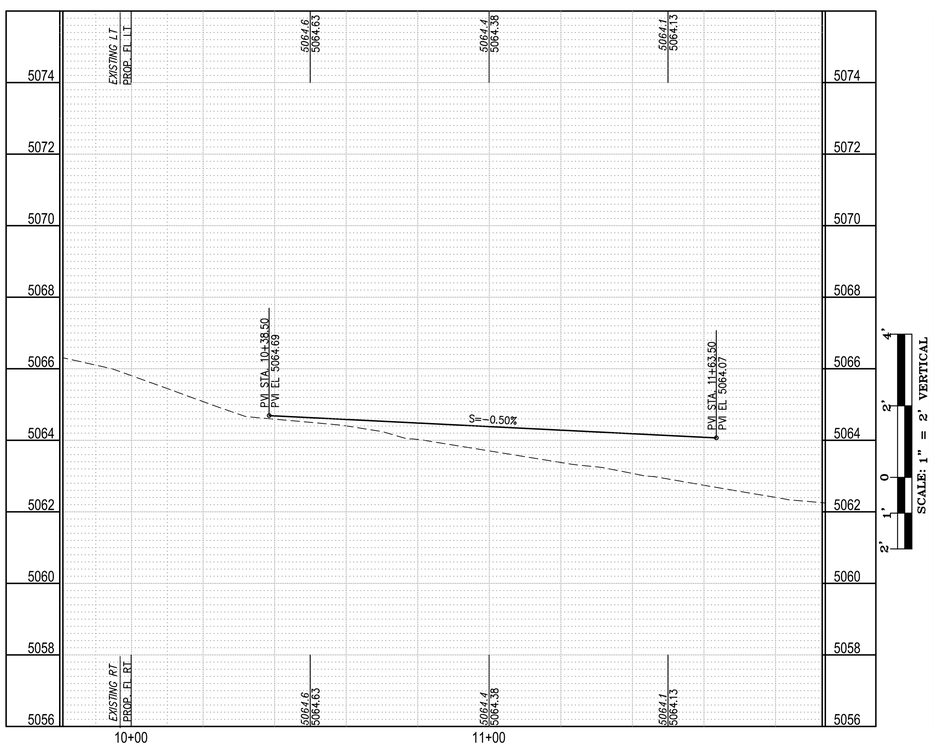
SCALE: 1" = 20'

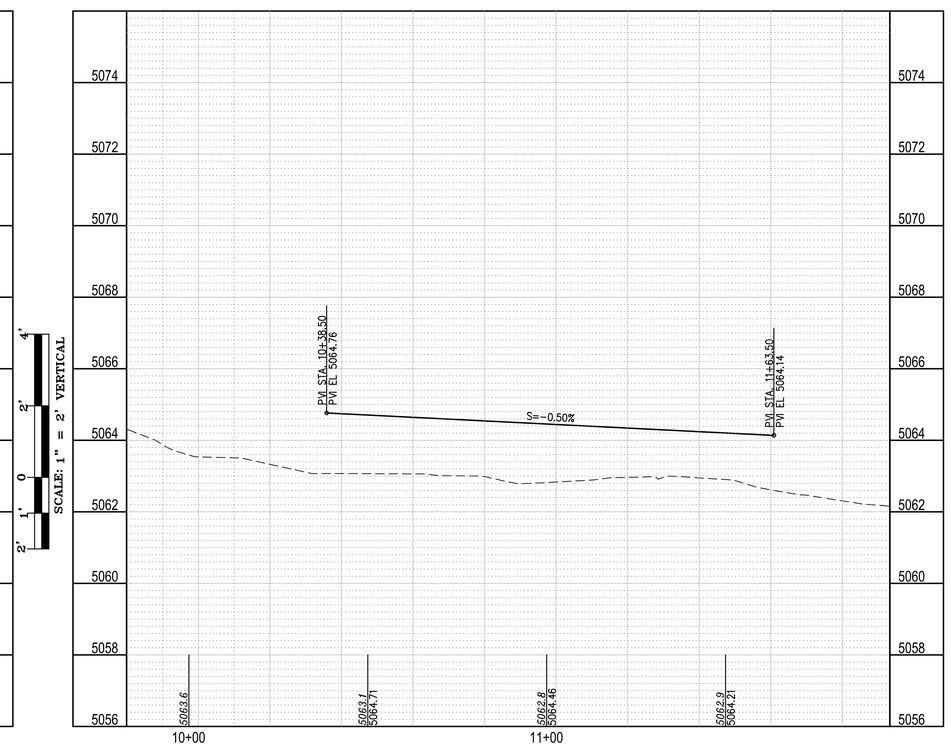


AWAY PLACE

20' 10' 0 20' 40'

SCALE: 1" = 20'





SCALE: 1" = 2' VERTICAL

4' 2' 0 1' 2'

PAVING CONSTRUCTION NOTES

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7	BOLLARD PER DETAIL SHEET 9

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
ACCEPTANCE BY DATE
FIELD CHECK BY CARTESIAN SURVEYS DATE 2/21
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
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BENCH MARKS

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY NEW MEXICO (21850) LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
1	8/25/20	SEWER DEPTH REVISION	

REVISIONS

DESIGN

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON VILLAGE SUBDIVISION
ALOFT PLACE & AWAY PLACE
PAVING PLAN AND PROFILE

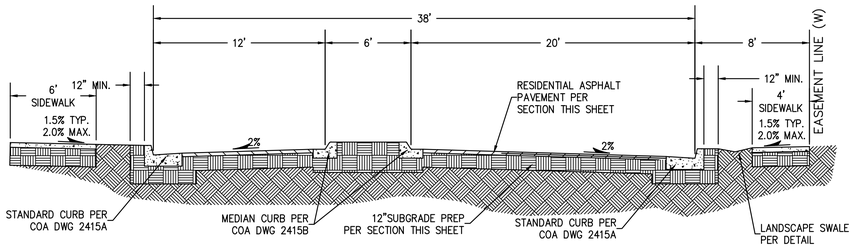
DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER

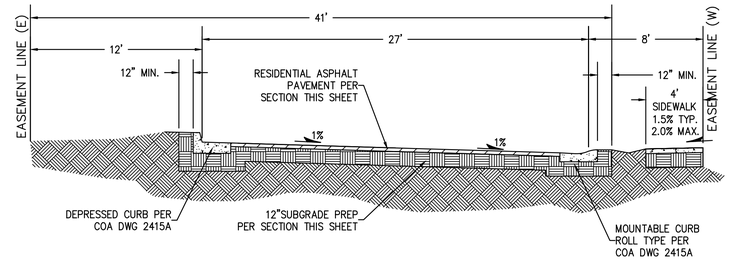
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 8 R OF 15

RECORD DRAWINGS

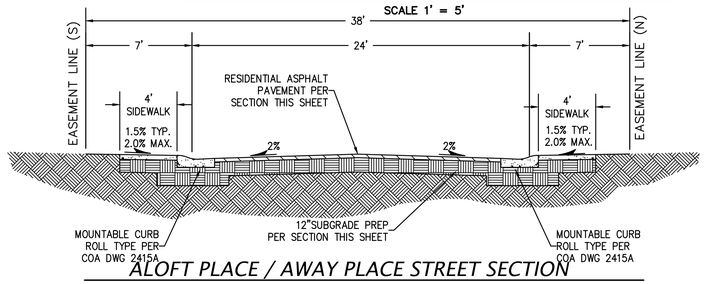


HORIZON WAY ENTRY STREET SECTION



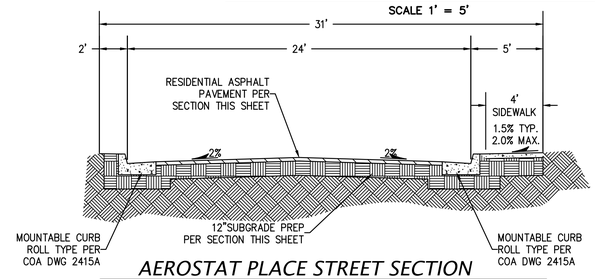
HORIZON WAY STREET SECTION

SCALE 1' = 5'



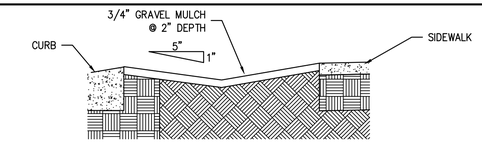
ALOFT PLACE / AWAY PLACE STREET SECTION

SCALE 1' = 5'



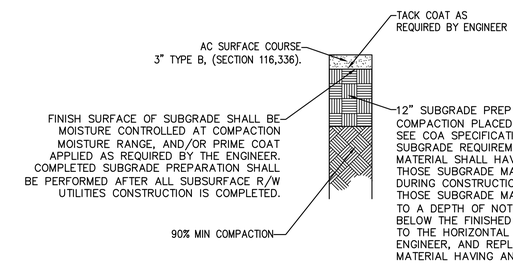
AEROSTAT PLACE STREET SECTION

SCALE 1' = 5'



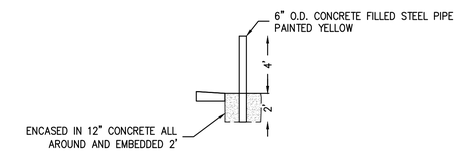
1. Swale to have side slope of 5:1 (H:V).
2. For wide landscape buffers, greater than 10 feet, the maximum depth is 10 inches.
3. Landscape buffers 2 feet and less are excluded.
4. Final grade of dirt to be 1 to 2 inches below top of curb and top of sidewalk grade.
5. Surface between back of curb and sidewalk to be covered with gravel mulch (minimum 3/4"), cobbles or rip-rap. Do not fill entire swale.
6. A check dam will be required for swales on steeper longitudinal slopes and longer sections. The engineer will determine the location.
7. Landscape fabric is recommended, but not required, between the dirt and the stone. If landscape fabric is to be used it is to be permeable.
8. Detail is to be built for all new construction. In the case where the sidewalk is existing and the landscape buffer is improved with landscaping and/or some form of erosion protection, this requirement does not apply.

TYPICAL LANDSCAPE SWALE



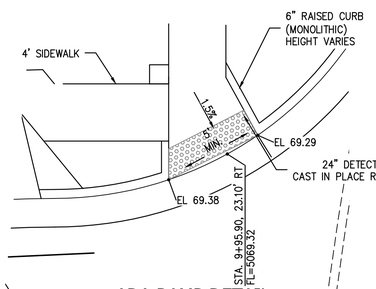
TYPICIAL PAVEMENT SECTION

NTS

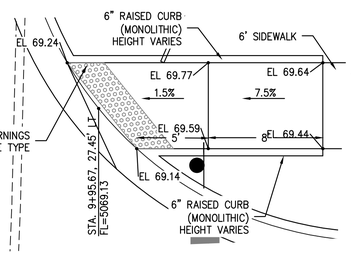


BOLLARD DETAIL

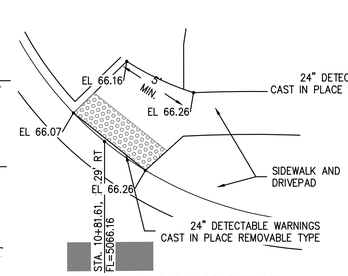
NTS



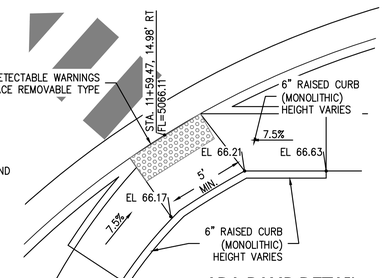
1 ADA RAMP DETAIL
Scale: 1" = 5'



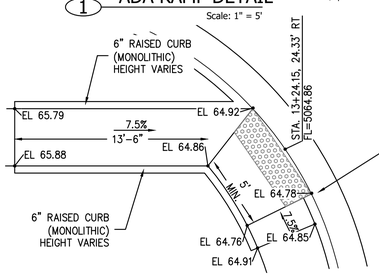
2 ADA RAMP DETAIL
Scale: 1" = 5'



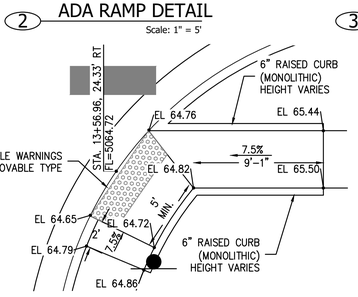
3 ADA RAMP DETAIL
Scale: 1" = 5'



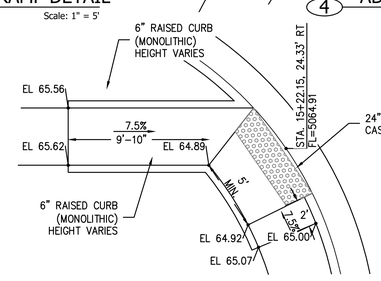
4 ADA RAMP DETAIL
Scale: 1" = 5'



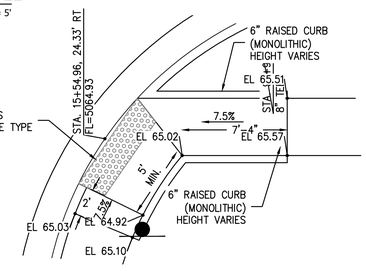
5 ADA RAMP DETAIL
Scale: 1" = 5'



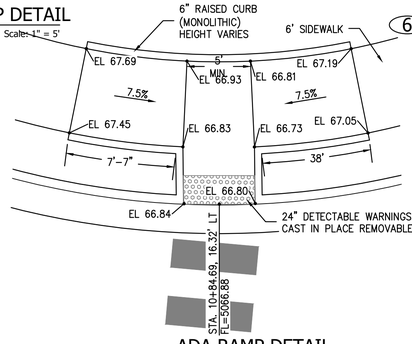
6 ADA RAMP DETAIL
Scale: 1" = 5'



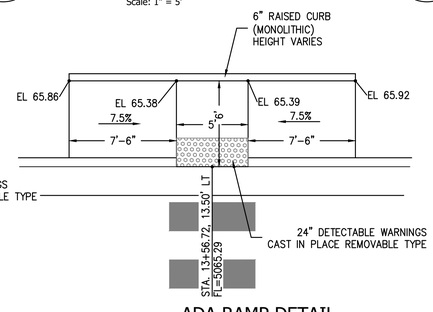
7 ADA RAMP DETAIL
Scale: 1" = 5'



8 ADA RAMP DETAIL
Scale: 1" = 5'



9 ADA RAMP DETAIL
Scale: 1" = 5'



10 ADA RAMP DETAIL
Scale: 1" = 5'

AS BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY	CARTESIAN SURVEYS	DATE 7/20-1/21
INSPECTORS ACCEPTANCE BY		DATE
FIELD VERIFICATION BY	CARTESIAN SURVEYS	DATE 2/21
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY, NEW MEXICO, 21850, LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

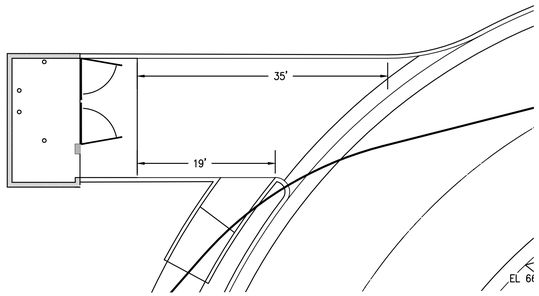
THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

HORIZON VILLAGE SUBDIVISION
PAVING DETAILS
PAVING SECTIONS AND DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE	APPROVED Aug 6, 2020 CITY ENGINEER			

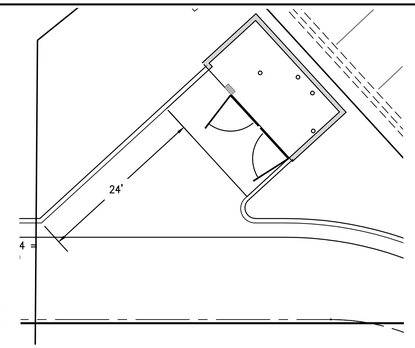
CITY PROJECT No.	ZONE MAP NO.	SHEET	OF
799782	C-17	9	15

RECORD DRAWINGS



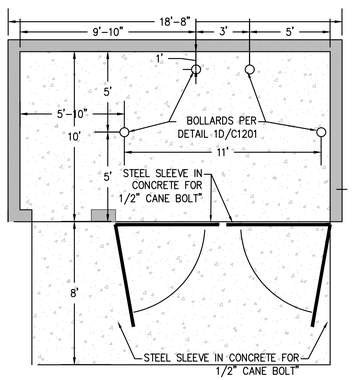
NORTH DUMPSTER PLAN

SCALE 1' = 10'



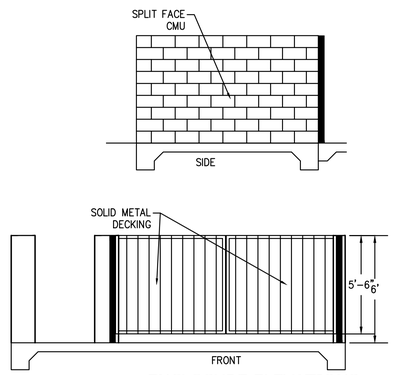
SOUTH DUMPSTER PLAN

SCALE 1' = 10'



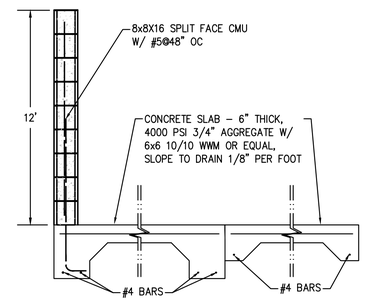
1 REFUSE ENCLOSURE

Scale: 1/4" = 1'-0"



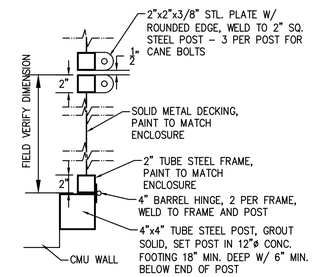
1A ENCLOSURE ELEVATIONS

Scale: 1"=5'



1B ENCLOSURE SLAB

Scale: 1/2" = 1-0"

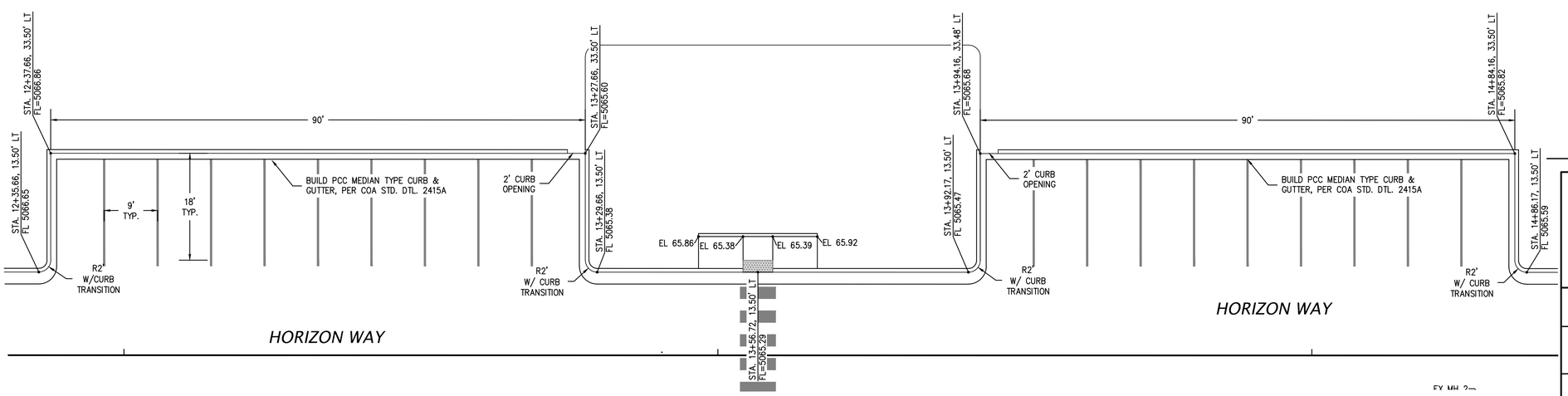


1C ENCLOSURE GATE

Scale: 1-1/2" = 1'

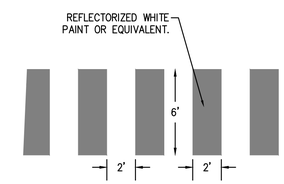
FOR INFORMATION - NOT INCLUDED IN WORK ORDER

UNDER SEPARATE CONTRACT



VILLAGE GREEN AND PARKING PLAN

SCALE 1' = 10'



ADA CROSWALK STRIPING

SCALE 1' = 5'

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY CARTESIAN SURVEYS 2/21 DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
LICENSED PROFESSIONAL ENGINEER
3/20/20

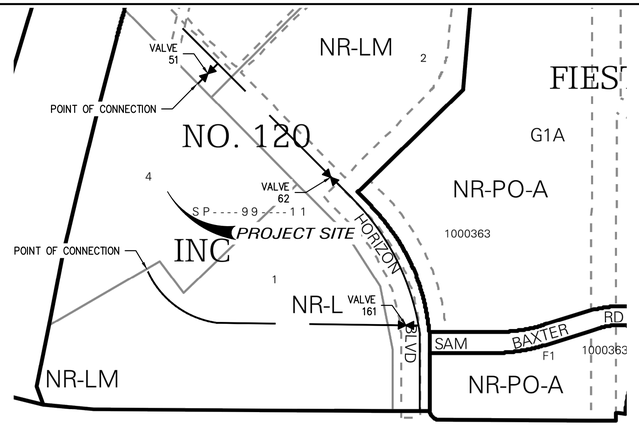
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
PAVING DETAILS
PARKING AND REFUSE ENCLOSURE DETAILS

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 10 OF 15



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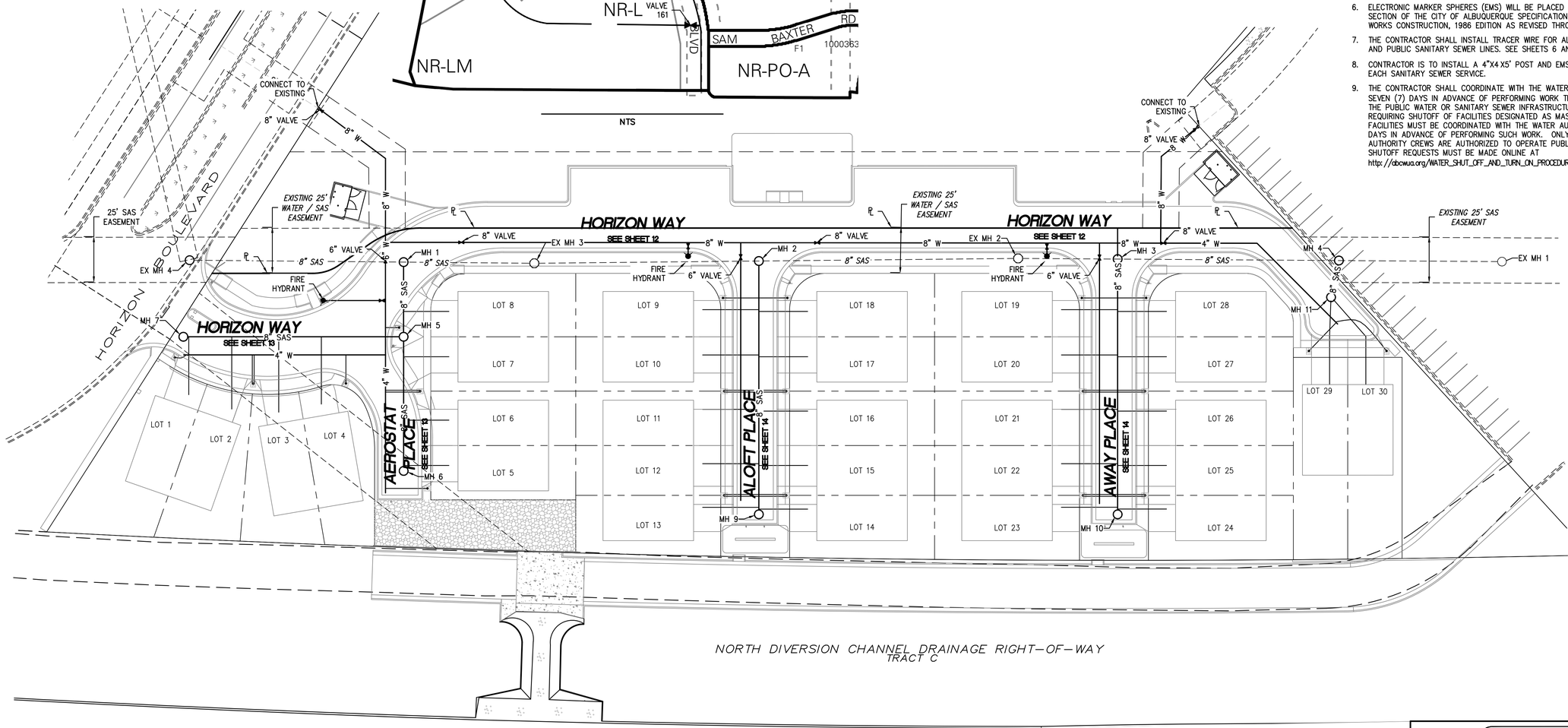


GENERAL NOTES

NOTICE TO CONTRACTORS

UTILITIES

1. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
2. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STANDARD DRAWINGS 2460 AND 2461
3. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.
4. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2465.
5. ALL PUBLIC WATER LINES MUST BE A MINIMUM OF 18" ABOVE SANITARY SEWER LINES AT ALL CROSSINGS.
6. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION OF THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
7. THE CONTRACTOR SHALL INSTALL TRACER WIRE FOR ALL PUBLIC WATER AND PUBLIC SANITARY SEWER LINES. SEE SHEETS 6 AND 7
8. CONTRACTOR IS TO INSTALL A 4"X4 X5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE.
9. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://abcwua.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX

LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

30' 15' 0 30' 60'
SCALE: 1" = 30'

THE

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY CARTESIAN SURVEYS DATE 7/21-1/21
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY CARTESIAN SURVEYS DATE 2/21
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
PROFESSIONAL ENGINEER
2/21/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
GENERAL UTILITY
GENERAL UTILITY NOTES AND SHEET MAP

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 11 OF 15

RESTRAINING JOINT TABLE / NOTES

WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	190.17	S 12°45'29" W
W2	198.00	S 12°45'29" W
W3	33.76	S 12°45'29" W
W4	53.18	S 12°45'29" W

WATER LINE ALIGNMENT
INTERSECTION DISTANCE

RESTRAINED JOINT TABLE

MECHANICAL JOINT TYPE		DISTANCE FROM FITTING OF JOINTS RESTRAINED	
		PIPE SIZE	PIPE SIZE
		6"	4"
6"X8" TEE		1	
6"X6"X6" TEE		1	
45° HORZ. BEND		7	8
22.5° HORZ. BEND		4	4
11.25° HORZ. BEND		2	2
GATE VALVE/CAP		47	55
45° VERT. BEND	(UPPER)	18	23
	(LOWER)	6	7
22.5° VERT. BEND	(UPPER)	9	7
	(LOWER)	3	2

NOTES:

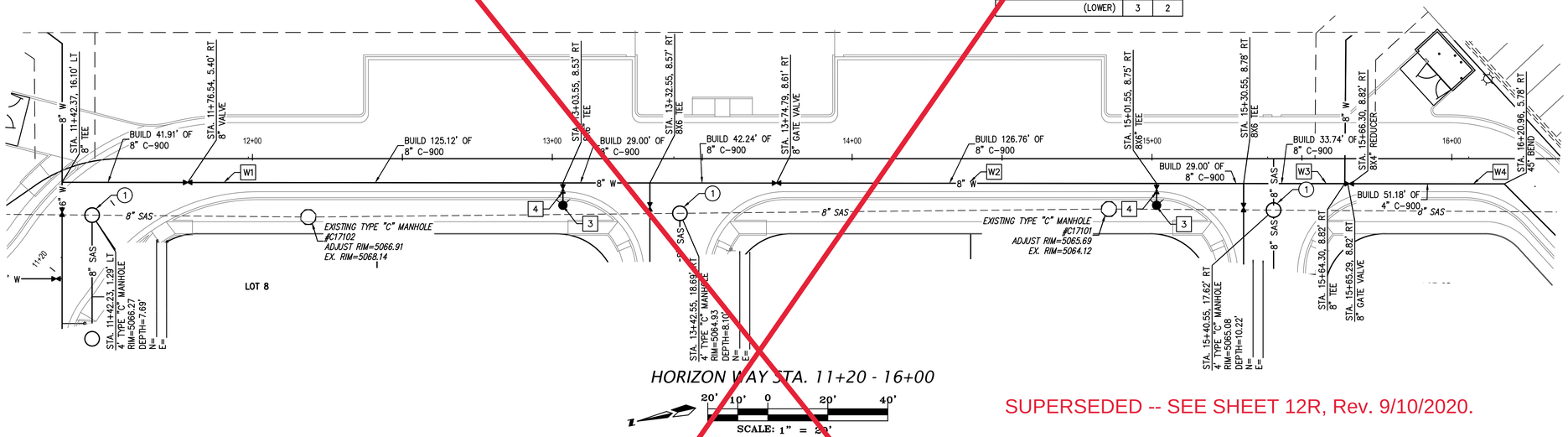
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT FITTING.
2. ALL JOINTS WITHIN DISTANCE FROM FITTING SHALL BE RESTRAINED.
3. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
4. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE AT LEFT (SEE NOTE 2 ABOVE).
5. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
6. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
7. RESTRAINED LENGTH IS ON LARGE SIDE WHERE REDUCERS ARE USED.
8. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.
9. TRACE WIRE ON ALL ABCWUA LINES FIRE HYDRANT LEGS

SEWER CONSTRUCTION NOTES

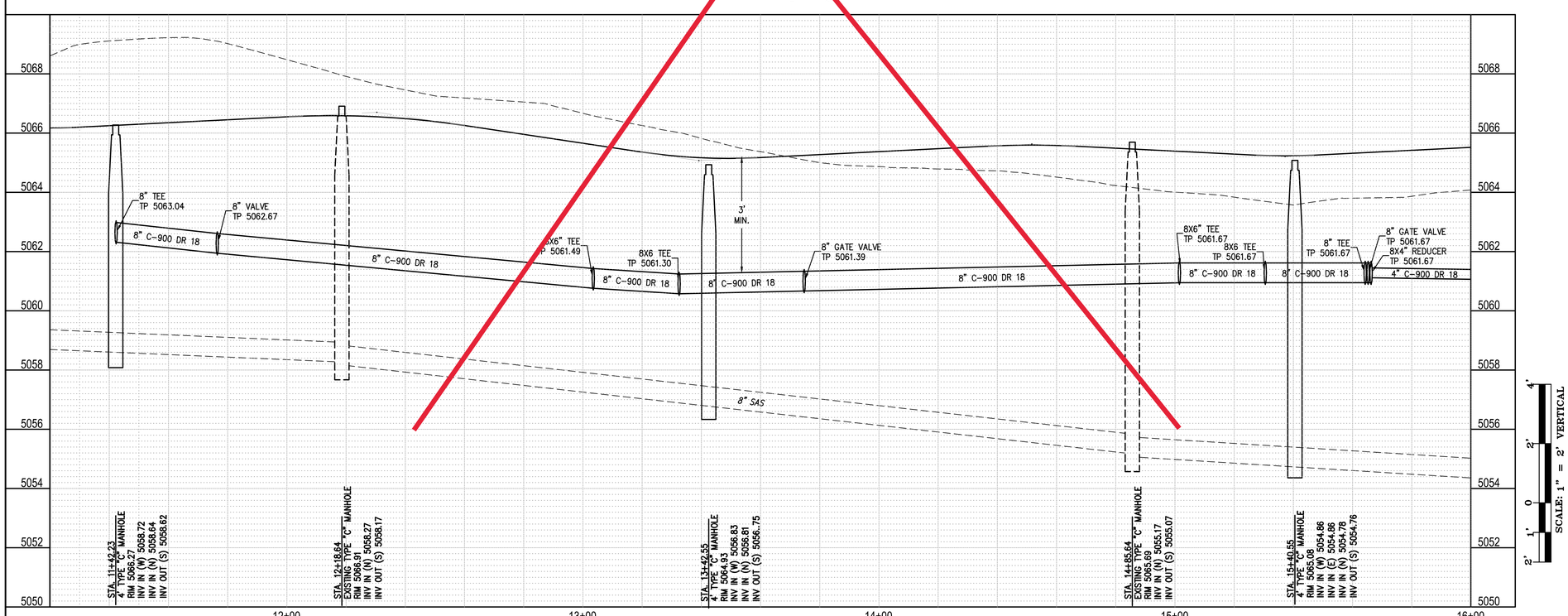
I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109

WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
3	INSTALL FIRE HYDRANT PER COA STD. DTL. 2340, 2347
4	INSTALL HYDRANT LEG W/ TRACE WIRE AND "MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT



SUPERSEDED -- SEE SHEET 12R, Rev. 9/10/2020.



LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTED BY
ACCEPTANCE BY
DATE
VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO (21850) LICENSED PROFESSIONAL ENGINEER
2/21/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY STA. 11+20 – 16+00
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 12 OF 15

RECORD DRAWINGS

RESTRAINING JOINT TABLE / NOTES

RESTRAINED JOINT TABLE		
MECHANICAL JOINT TYPE	DISTANCE FROM FITTING OF JOINTS RESTRAINED	
	PIPE SIZE	PIPE SIZE
	6"	4"
6"X8" TEE	1	
6"X6"X6" TEE	1	
45° HORZ. BEND	7	8
22.5° HORZ. BEND	4	4
11.25° HORZ. BEND	2	2
GATE VALVE/CAP	47	55
45° VERT. BEND (UPPER)	18	23
(LOWER)	6	7
22.5° VERT. BEND (UPPER)	9	7
(LOWER)	3	2

NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT FITTING.
2. ALL JOINTS WITHIN DISTANCE FROM FITTING SHALL BE RESTRAINED.
3. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
4. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE AT LEFT (SEE NOTE 2 ABOVE).
5. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
6. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
7. RESTRAINED LENGTH IS ON LARGE SIDE WHERE REDUCERS ARE USED.
8. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.
9. TRACE WIRE ON ALL ABCWUA LINES FIRE HYDRANT LEGS

WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	190.17	S 12°45'29" W
W2	198.00	S 12°45'29" W
W3	33.76	S 12°45'29" W
W4	53.18	S 12°45'29" W

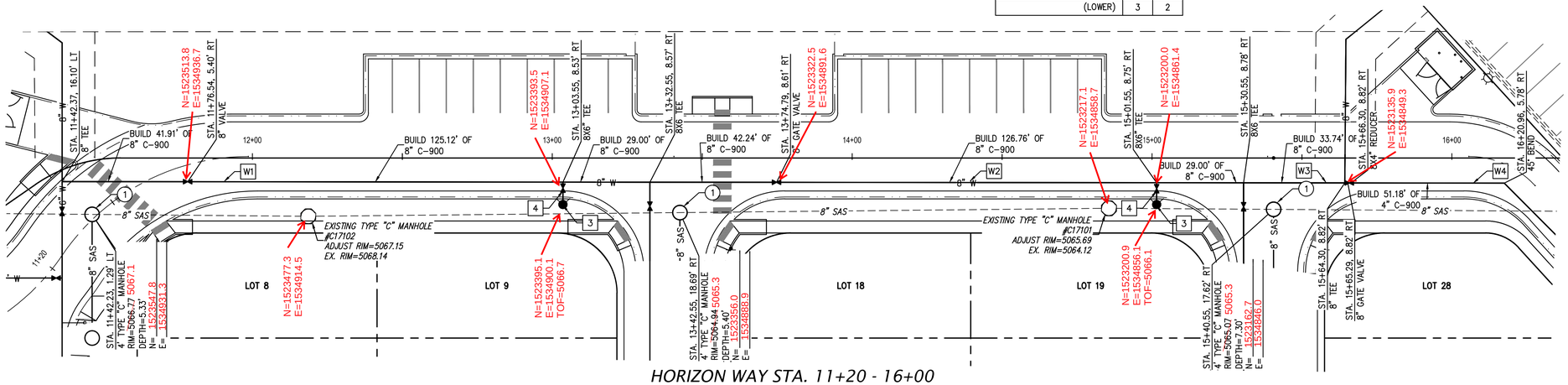
WATER LINE ALIGNMENT
INTERSECTION DISTANCE

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109

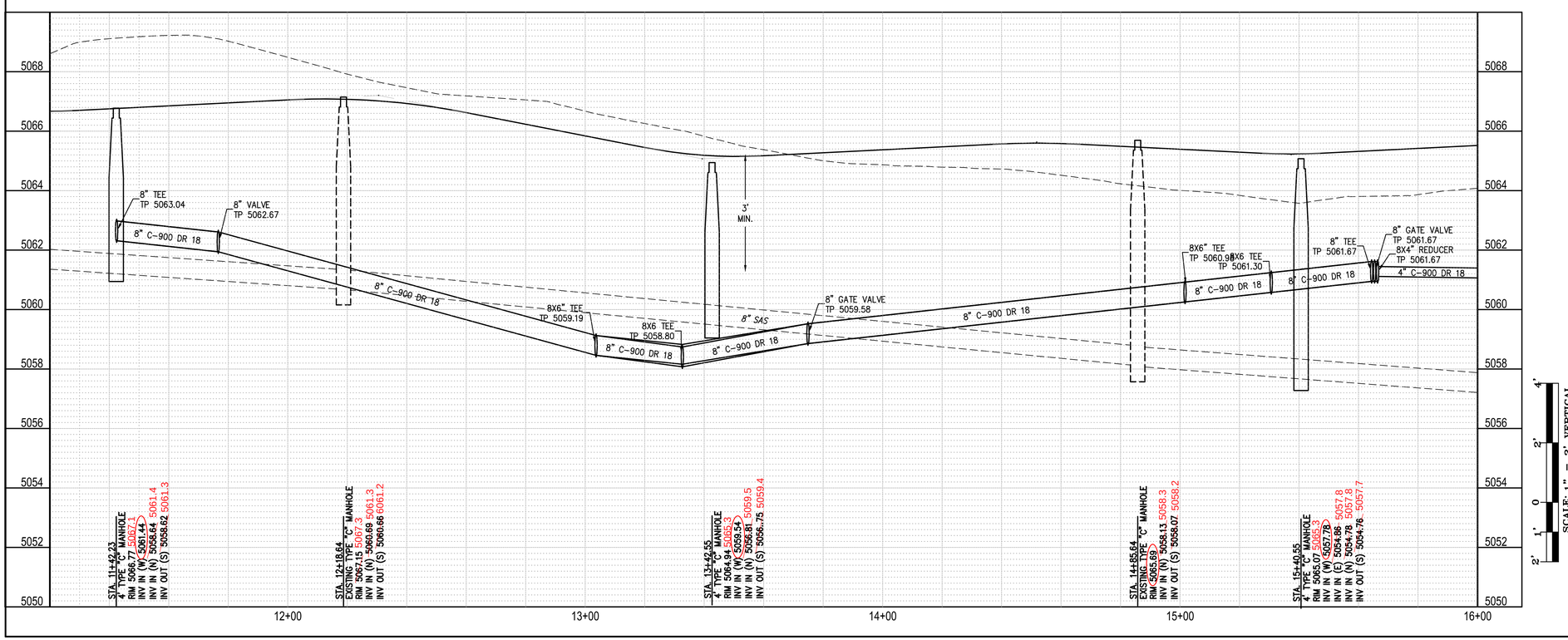
WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
3	INSTALL FIRE HYDRANT PER COA STD. DTL. 2340, 2347
4	INSTALL HYDRANT LEG W/ TRACE WIRE AND "MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT



HORIZON WAY STA. 11+20 - 16+00

SCALE: 1" = 20'



SCALE: 1" = 2' VERTICAL

LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY: CARTESIAN SURVEYS DATE 7/20-1/21
AS-BUILTS ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: CARTESIAN SURVEYS DATE 2/21
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO 21850 LICENSED PROFESSIONAL ENGINEER
3/20/20

SEWER DEPTH REVISION

NO.	DATE	REMARKS	BY
1	8/25/20	REVISIONS	

DESIGN
DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY STA. 11+20 – 16+00
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782
ZONE MAP NO. C-17
SHEET 12R OF 15

HORIZON WAY SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
1	100+02.06 26.97' RT	31.97	5062.69	5065.56
2	100+25.78 34.86' RT	39.86	5062.15	5065.50
3	100+51.70 36.63' RT	41.63	5061.55	5064.25
4	100+75.25 32.15' RT	52.00	5061.00	5064.21

NOTE: STATIONING IS AT PUE

SAS LINE TABLE		
LINE	LENGTH	BEARING
S1	121.57	S 12°41'45" W

MH CENTER TO CENTER DISTANCE

HORIZON WAY WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
1	99+94.32 6.38 RT		
2	100+37.65 20.96 RT		
3	100+37.65 20.96 RT		
4	100+88.78 20.74 RT		

NOTE: STATIONING IS AT METER

WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	104.91	S 12°41'45" W
W5	10.50	S 42°41'45" W

WATER LINE ALIGNMENT INTERSECTION DISTANCE

AEROSTAT PLACE SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
5	100+14.84 30.00' RT	25.00	5060.70	5062.69
6	100+39.84 30.00' RT	25.00	5060.45	5062.70
7	100+74.84 30.00' RT	25.00	5060.10	5063.15
8	100+99.84 30.00' RT	25.00	5059.74	5063.15

NOTE: STATIONING IS AT PUE

SAS LINE TABLE		
LINE	LENGTH	BEARING
S2	74.02	S 77°18'54" E
S3	41.21	S 77°18'54" E

MH CENTER TO CENTER DISTANCE

AEROSTAT PLACE COURT WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
5	10+80.23 15.98 LT		
6	11+26.23 15.98 LT		
7	11+26.23 15.98 LT		
8	12+17.75 44.71 LT		

NOTE: STATIONING IS AT METER

WATER LINE TABLE		
LINE	LENGTH	BEARING
W2	76.11	S 77°18'54" E
W3	108.38	S 77°18'54" E
W4	44.61	S 32°18'54" E

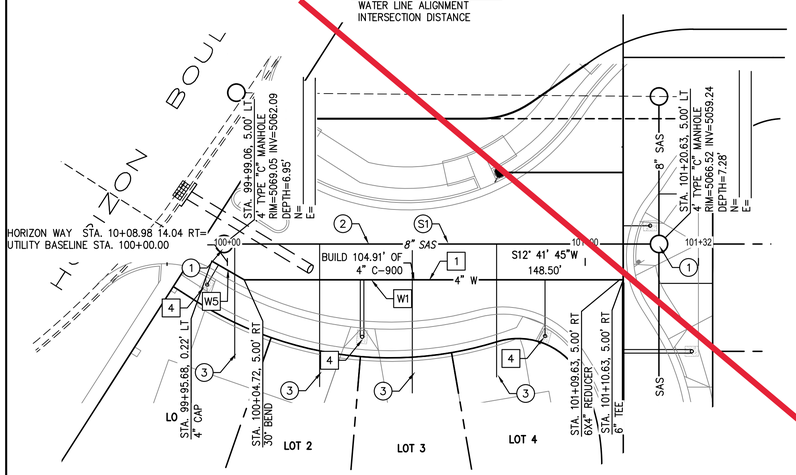
WATER LINE ALIGNMENT INTERSECTION DISTANCE

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109
2	INSTALL 8" SEWER PIPE PER STD. SPEC. SEC. 901
3	INSTALL 4" SEWER SERVICE PER COA STD. DTL. 2125
4	INSTALL 8" CAP

WATER CONSTRUCTION NOTES

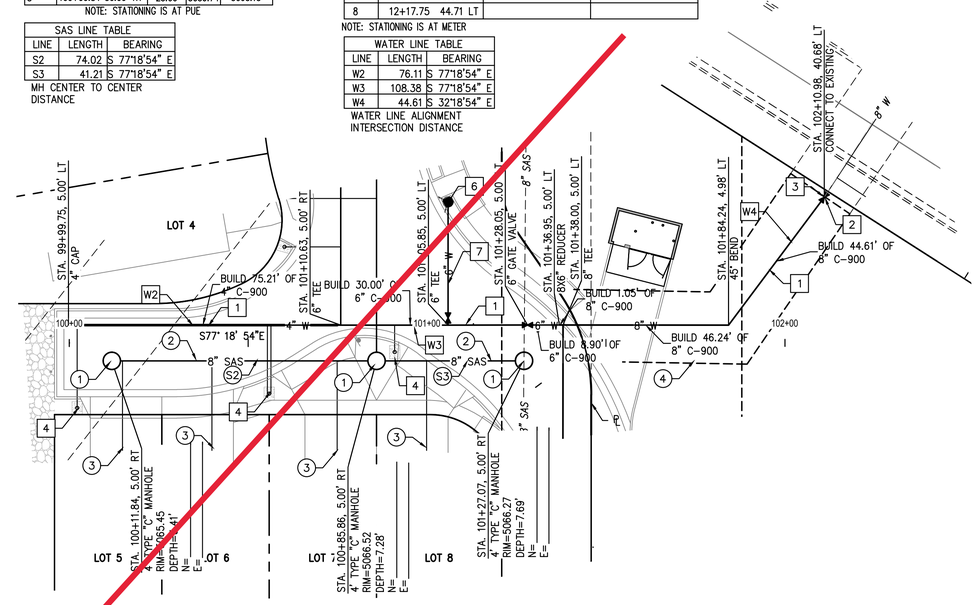
I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	NON-PRESSURE CONNECTION OF NEW WATERLINE TO EXISTING WATERLINE PER COA STD. DTL. 2301
3	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
4	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTLS. 2361 AND 2362
5	INSTALL 8" CAP
6	INSTALL FIRE HYDRANT PER COA STD. DTL. 2340, 2347
7	INSTALL HYDRANT LEG W/ TRACE WIRE AND "MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT



HORIZON WAY ENTRY

20' 10' 0 20' 40'

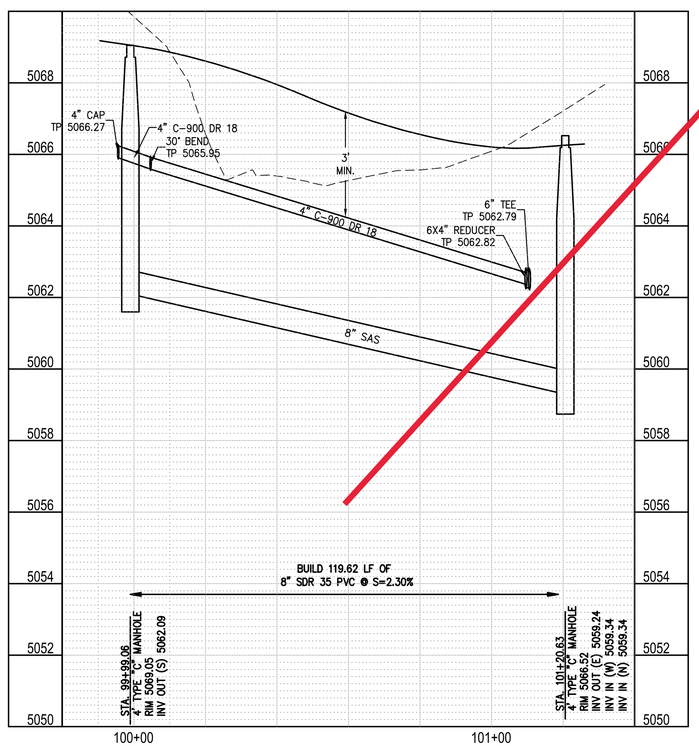
SCALE: 1" = 20'

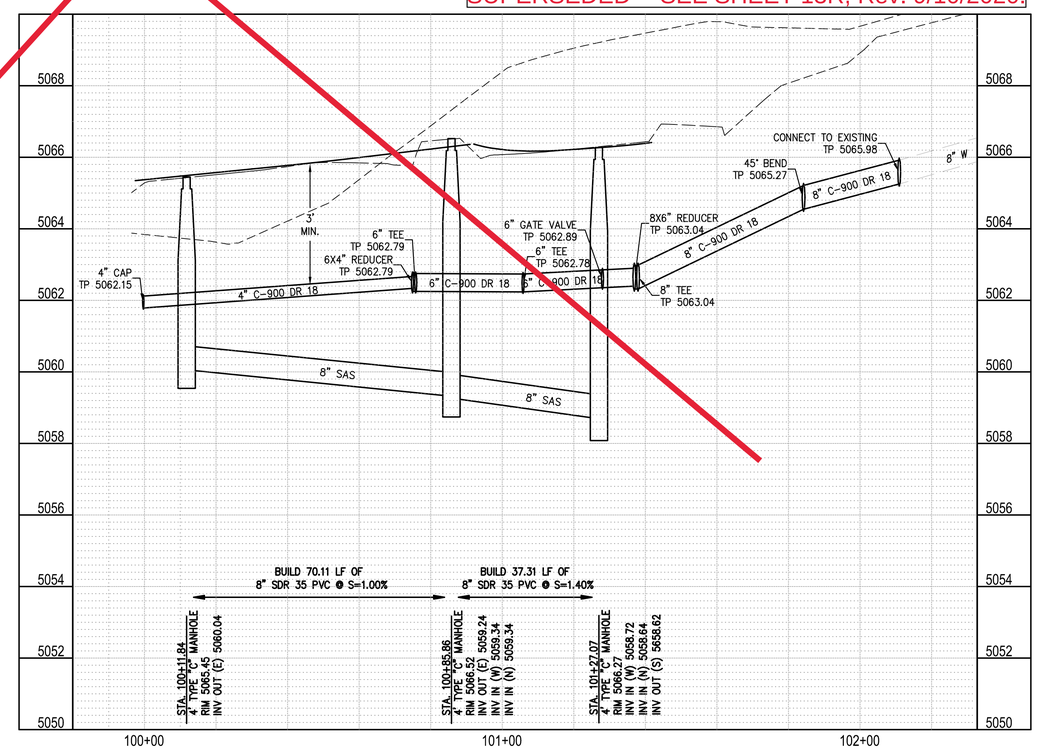


20' 10' 0 20' 40'

SCALE: 1" = 20'

SUPERSEDED -- SEE SHEET 13R, Rev. 9/10/2020.





LEGEND

SCALE: 1" = 2' VERTICAL

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY DATE
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ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY ENTRY AND AEROSTAT PLACE
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER

LAST DESIGN UPDATE | Mo./DAY/YR. | Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 13 OF 15

RECORD DRAWINGS

HORIZON WAY SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
1	100+02.06 26.97' RT	31.97	5063.13	5065.56
2	100+25.78 34.86' RT	39.86	5062.99	5065.50
3	100+51.70 36.63' RT	41.63	5062.84	5064.25
4	100+75.25 32.15' RT	52.00	5062.70	5064.21

NOTE: STATIONING IS AT PUE

SAS LINE TABLE		
LINE	LENGTH	BEARING
S1	121.57	S 12°41'45" W

MH CENTER TO CENTER DISTANCE

HORIZON WAY WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
1	99+94.32 6.38 RT	1534903.8	1523685.7
2	100+37.65 20.96 RT	1534882.7	1523643.8
3	100+37.65 20.96 RT	1534882.7	1523643.8
4	100+88.78 20.74 RT	1534872.5	1523593.2

NOTE: STATIONING IS AT METER

WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	104.91	S 12°41'45" W
W5	10.50	S 42°41'45" W

WATER LINE ALIGNMENT INTERSECTION DISTANCE

AEROSTAT PLACE SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
5	100+14.84 30.00' RT	25.00	5063.35	5063.68
6	100+39.84 30.00' RT	25.00	5062.70	5063.53
7	100+74.84 30.00' RT	25.00	5062.49	5063.32
8	100+99.84 30.00' RT	25.00	5062.26	5063.09

NOTE: STATIONING IS AT PUE

SAS LINE TABLE		
LINE	LENGTH	BEARING
S2	74.02	S 77°18'54" E
S3	41.21	S 77°18'54" E

MH CENTER TO CENTER DISTANCE

AEROSTAT PLACE COURT WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
5	10+80.23 15.98 LT	1534806.5	1523562.1
6	11+26.23 15.98 LT	1534859.2	1523553.9
7	11+26.23 15.98 LT	1534859.2	1523553.9
8	12+17.75 44.71 LT	1534896.9	1523557.5

NOTE: STATIONING IS AT METER

WATER LINE TABLE		
LINE	LENGTH	BEARING
W2	76.11	S 77°18'54" E
W3	108.38	S 77°18'54" E
W4	44.61	S 32°18'54" E

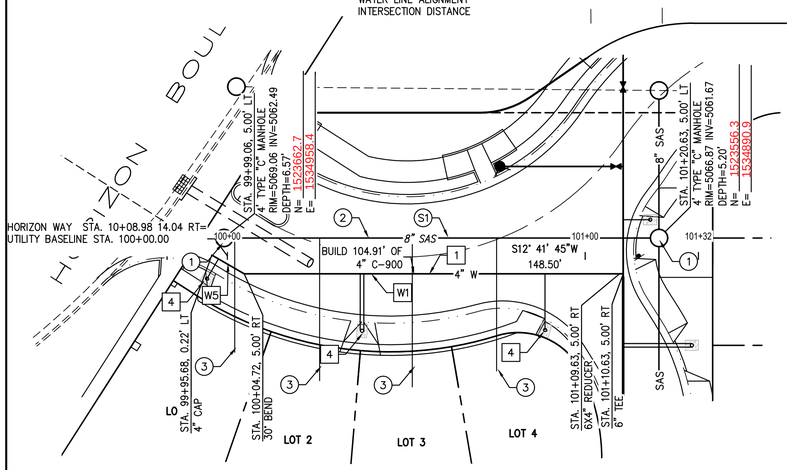
WATER LINE ALIGNMENT INTERSECTION DISTANCE

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109
2	INSTALL 8" SEWER PIPE PER STD. SPEC. SEC. 901
3	INSTALL 4" SEWER SERVICE PER COA STD. DTL. 2125
4	INSTALL 8" CAP

WATER CONSTRUCTION NOTES

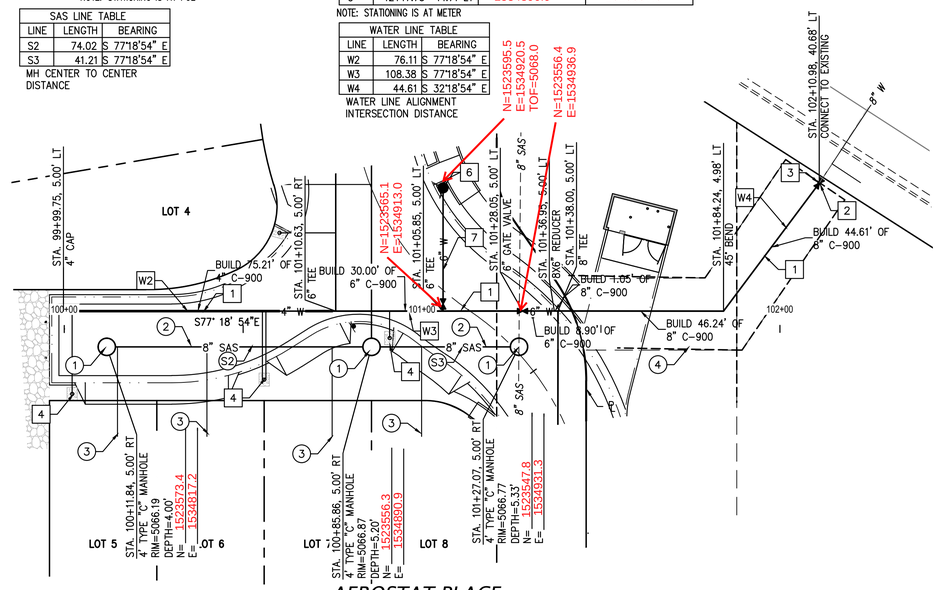
I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	NON-PRESSURE CONNECTION OF NEW WATERLINE TO EXISTING WATERLINE PER COA STD. DTL. 2301
3	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
4	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTLS. 2361 AND 2362
5	INSTALL 8" CAP
6	INSTALL FIRE HYDRANT PER COA STD. DTL. 2340, 2347
7	INSTALL HYDRANT LEG W/ TRACE WIRE AND "MEG A LUG" ALL FITTINGS AND JOINTS FROM TEE TO FIRE HYDRANT



HORIZON WAY ENTRY

20' 10' 0 20' 40'

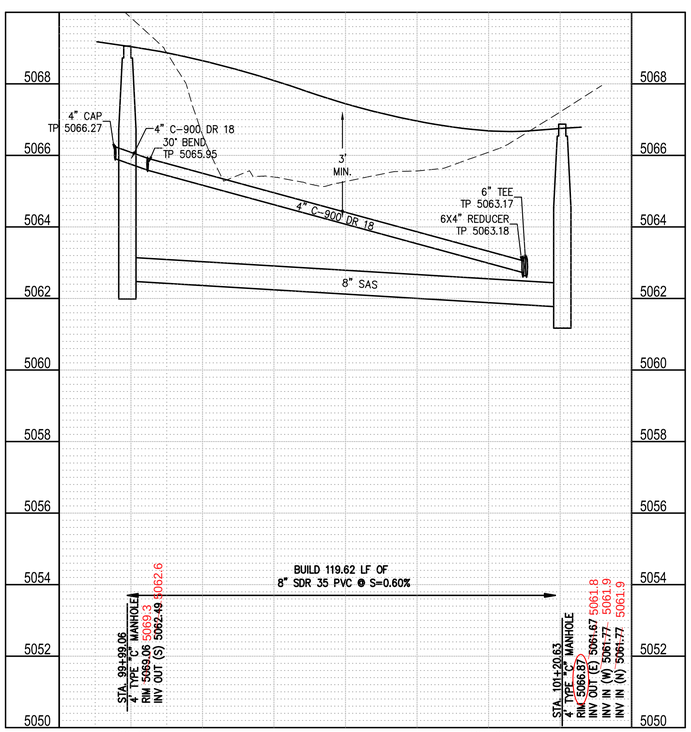
SCALE: 1" = 20'

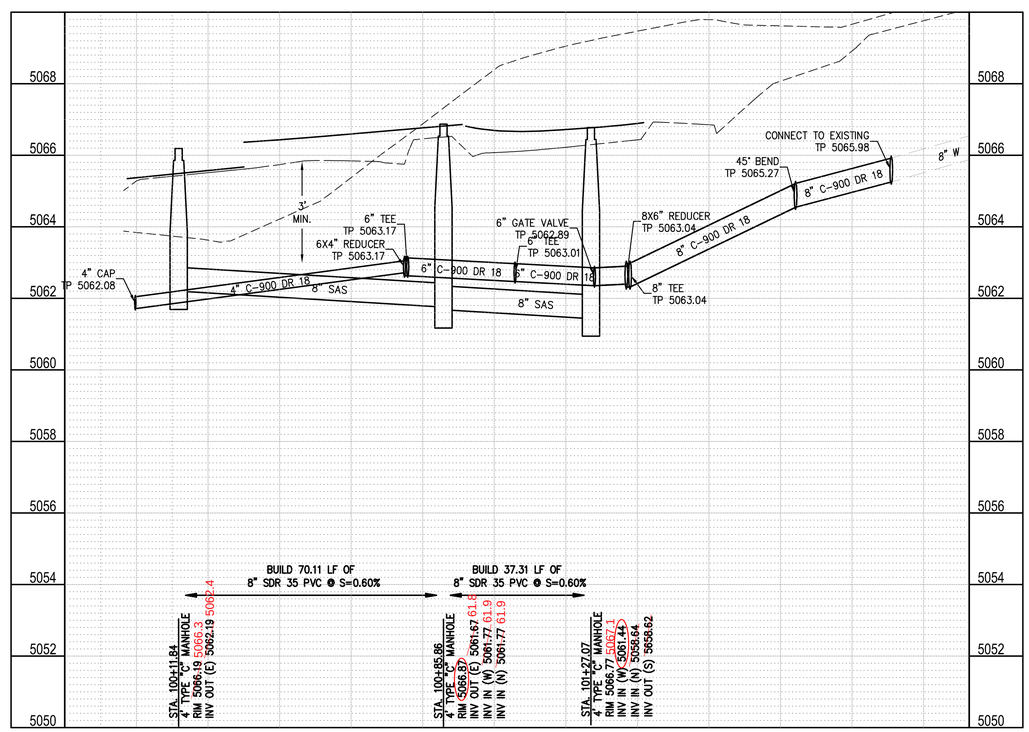


AEROSTAT PLACE

20' 10' 0 20' 40'

SCALE: 1" = 20'





LEGEND

SCALE: 1" = 2' VERTICAL (4', 2', 0, 1', 2')

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE group

THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY CARTESIAN SURVEYS 2/21
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY NEW MEXICO 21850 LICENSED PROFESSIONAL ENGINEER
3/20/20

SEWER DEPTH REVISION

NO.	DATE	REMARKS	BY
1	8/25/20	DESIGN	

REVISIONS

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY ENTRY AND AEROSTAT PLACE
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER

LAST DESIGN UPDATE | Mo./DAY/YR. | Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 13 OF 15 R

ALOFT PLACE SANITARY SEWER SERVICES					
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
9	10+45.52 29.00' RT	31.00	5057.82	5061.07
10	10+70.52 29.00' RT	31.00	5058.07	5061.11
11	11+00.52 29.00' RT	31.00	5058.37	5060.55
12	11+30.52 29.00' RT	31.00	5058.67	5060.28
13	11+54.52 29.00' RT	31.00	5058.91	5060.26
14	11+55.52 29.00' LT	27.00	5058.92	5060.58
15	11+31.52 29.00' LT	27.00	5058.68	5060.58
16	11+01.52 29.00' LT	27.00	5058.38	5060.71
17	10+71.52 29.00' LT	27.00	5058.08	5061.28
18	10+46.52 29.00' LT	27.00	5057.83	5061.27

NOTE: STATIONING IS AT PUE

ALOFT PLACE WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
9	10+39.06 17.78 RT		
10	10+90.50 17.15 RT		
11	10+90.50 17.15 RT		
12	11+48.00 17.15 RT		
13	11+48.00 17.15 RT		
14	11+47.99 17.15 LT		
15	11+47.99 17.15 LT		
16	10+90.49 17.15 LT		
17	10+90.49 17.15 LT		
18	10+39.06 17.78 LT		

NOTE: STATIONING IS AT METER

AWAY PLACE SANITARY SEWER SERVICES					
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
19	10+45.52 29.00' RT	31.00	5056.08	5061.57
20	10+70.52 29.00' RT	31.00	5056.58	5061.57
21	11+00.52 29.00' RT	31.00	5057.18	5061.10
22	11+30.52 29.00' RT	31.00	5057.78	5061.24
23	11+54.52 29.00' RT	31.00	5058.26	5061.24
24	11+55.52 29.00' LT	27.00	5058.28	5061.17
25	11+31.52 29.00' LT	27.00	5057.80	5061.17
26	11+01.52 29.00' LT	27.00	5057.20	5061.22
27	10+71.52 29.00' LT	27.00	2056.60	5061.49
28	10+46.52 29.00' LT	27.00	5056.10	5061.49

NOTE: STATIONING IS AT PUE

AWAY PLACE WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
19	10+39.06 17.78 RT		
20	10+90.50 17.15 RT		
21	10+90.50 17.15 RT		
22	11+48.00 17.15 RT		
23	11+48.00 17.15 RT		
24	11+48.00 17.15 RT		
25	11+48.00 17.15 RT		
26	10+90.50 17.15 RT		
27	10+90.50 17.15 RT		
28	10+39.06 15.98 RT		

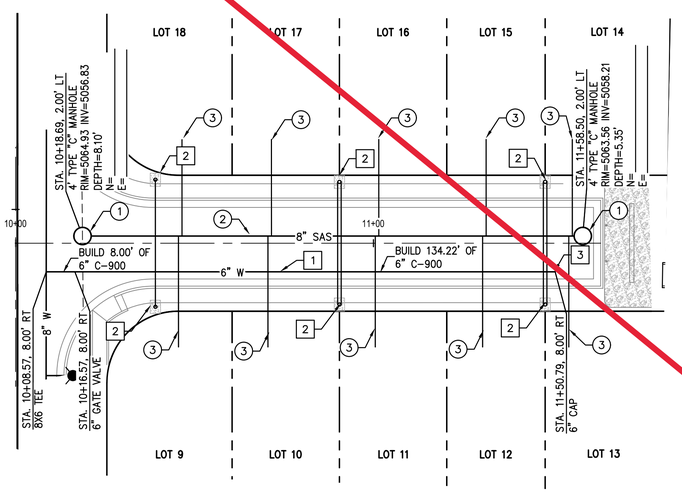
NOTE: STATIONING IS AT METER

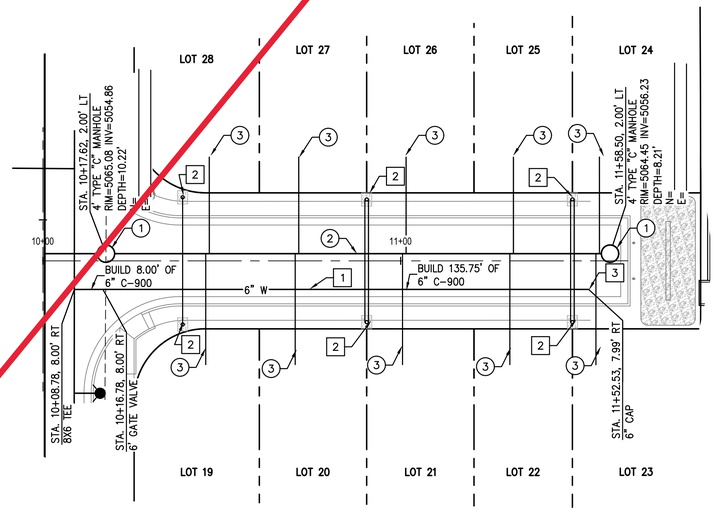
SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109
2	INSTALL 8" SEWER PIPE PER STD. SPEC. SEC. 901
3	INSTALL 4" SEWER SERVICE PER COA STD. DTL. 2125

WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTLS. 2361 AND 2362
3	INSTALL 6" CAP

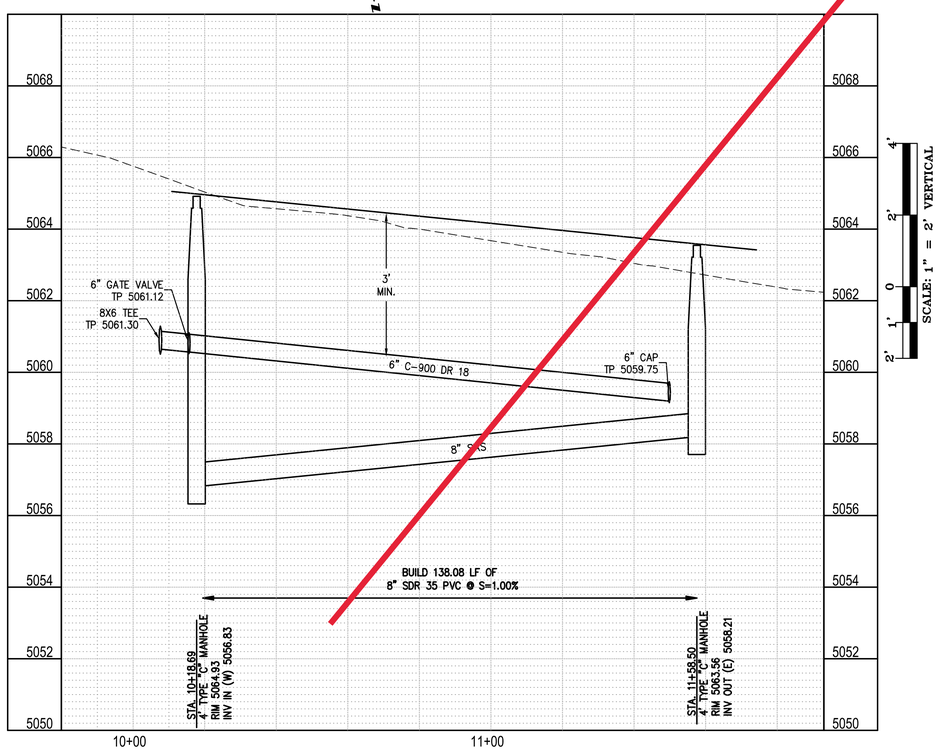


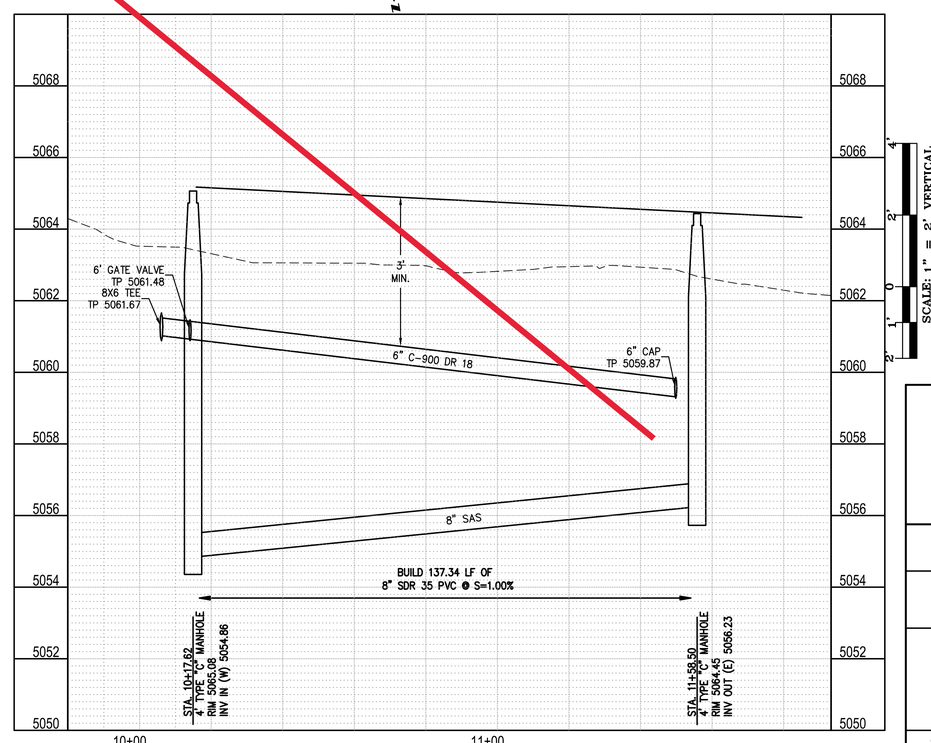


20' 10' 0 20' 40'
SCALE: 1" = 20'

20' 10' 0 20' 40'
SCALE: 1" = 20'

SUPERSEDED -- SEE SHEET 14R, Rev. 9/10//2020.





LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
STAKING CHECKED BY
ACCEPTANCE BY
DATE
VERIFICATION BY
DATE
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY
NEW MEXICO
21850
LICENSED PROFESSIONAL ENGINEER
2/21/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
ALOFT PLACE AND AWAY PLACE
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER

LAST DESIGN UPDATE: Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 14 OF 15

RECORD DRAWINGS

ALOFT PLACE SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
9	10+45.52 29.00' RT	31.00	5060.36	5061.22
10	10+70.52 29.00' RT	31.00	5060.51	5061.38
11	11+00.52 29.00' RT	31.00	5060.66	5061.53
12	11+30.52 29.00' RT	31.00	5060.87	5061.74
13	11+54.52 29.00' RT	31.00	5061.02	5061.88
14	11+55.52 29.00' LT	27.00	5061.02	5061.88
15	11+31.52 29.00' LT	27.00	5060.88	5060.75
16	11+01.52 29.00' LT	27.00	5060.65	5061.52
17	10+71.52 29.00' LT	27.00	5060.52	5061.56
18	10+46.52 29.00' LT	27.00	5060.37	5061.30

NOTE: STATIONING IS AT PUE

ALOFT PLACE WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
9	10+39.06 17.78 RT	1534873.0	1523379.6
10	10+90.50 17.15 RT	1534822.8	1523390.4
11	10+90.50 17.15 RT	1534822.8	1523390.4
12	11+48.00 17.15 RT	1534766.6	1523403.0
13	11+48.00 17.15 RT	1534766.6	1523403.0
14	11+47.99 17.15 LT	1534759.2	1523369.7
15	11+47.99 17.15 LT	1534759.2	1523369.7
16	10+90.49 17.15 LT	1534815.6	1523357.0
17	10+90.49 17.15 LT	1534815.6	1523357.0
18	10+39.06 17.78 LT	1534865.8	1523344.8

NOTE: STATIONING IS AT METER

AWAY PLACE SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
19	10+45.52 29.00' RT	31.00	5058.60	5061.56
20	10+70.52 29.00' RT	31.00	5058.75	5061.56
21	11+00.52 29.00' RT	31.00	5058.93	5061.20
22	11+30.52 29.00' RT	31.00	5059.10	5061.27
23	11+54.52 29.00' RT	31.00	5059.25	5061.23
24	11+55.52 29.00' LT	27.00	5059.26	5061.17
25	11+31.52 29.00' LT	27.00	5059.12	5061.17
26	11+01.52 29.00' LT	27.00	5058.94	5061.22
27	10+71.52 29.00' LT	27.00	5058.76	5061.49
28	10+46.52 29.00' LT	27.00	5058.61	5061.49

NOTE: STATIONING IS AT PUE

AWAY PLACE WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
19	10+39.06 17.78 RT	1534829.5	1523186.9
20	10+90.50 17.15 RT	1534779.4	1523197.6
21	10+90.50 17.15 RT	1534779.4	1523197.6
22	11+48.00 17.15 RT	1534722.8	1523210.2
23	11+48.00 17.15 RT	1534722.8	1523210.2
24	11+48.00 17.15 RT	1534715.6	1523176.6
25	11+48.00 17.15 RT	1534715.6	1523176.6
26	10+90.50 17.15 RT	1534771.9	1523164.0
27	10+90.50 17.15 RT	1534771.9	1523164.0
28	10+39.06 15.98 RT	1534821.4	1523152.2

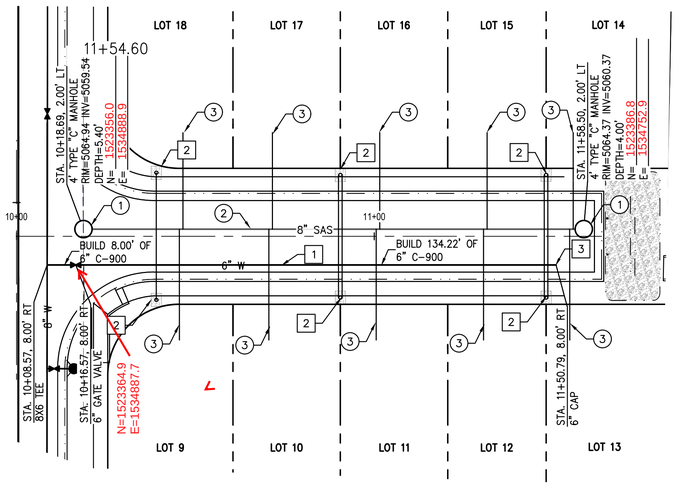
NOTE: STATIONING IS AT METER

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109
2	INSTALL 8" SEWER PIPE PER STD. SPEC. SEC. 901
3	INSTALL 4" SEWER SERVICE PER COA STD. DTL. 2125

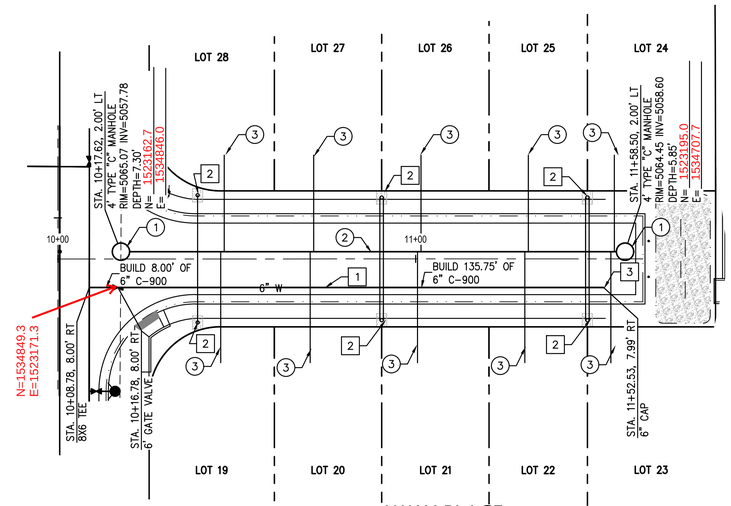
WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTLS. 2361 AND 2362
3	INSTALL 6" CAP



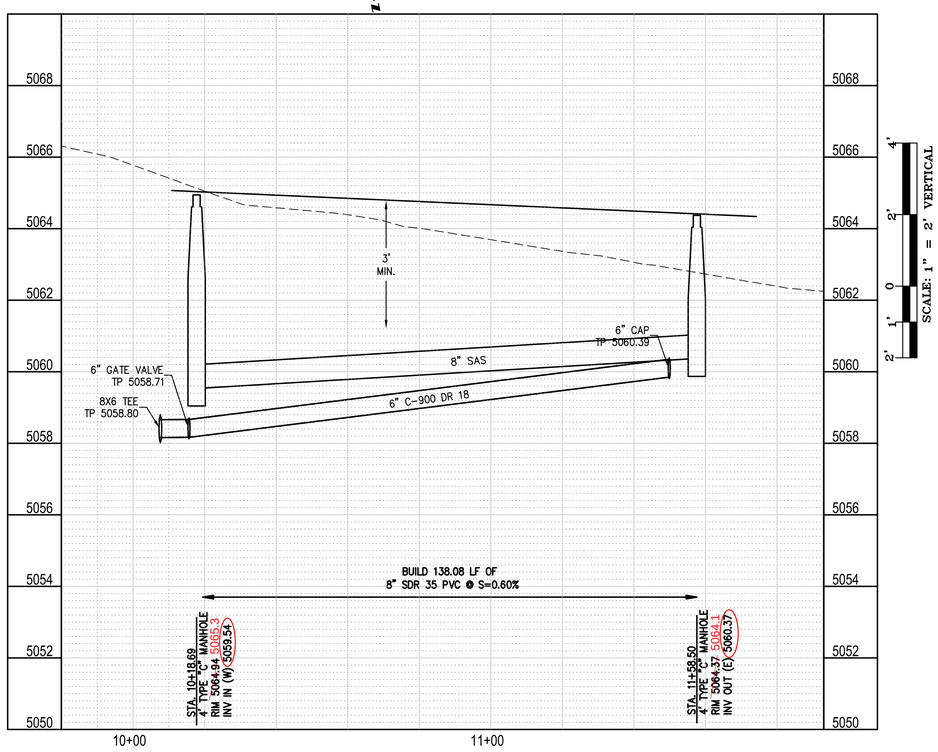
ALOFT PLACE

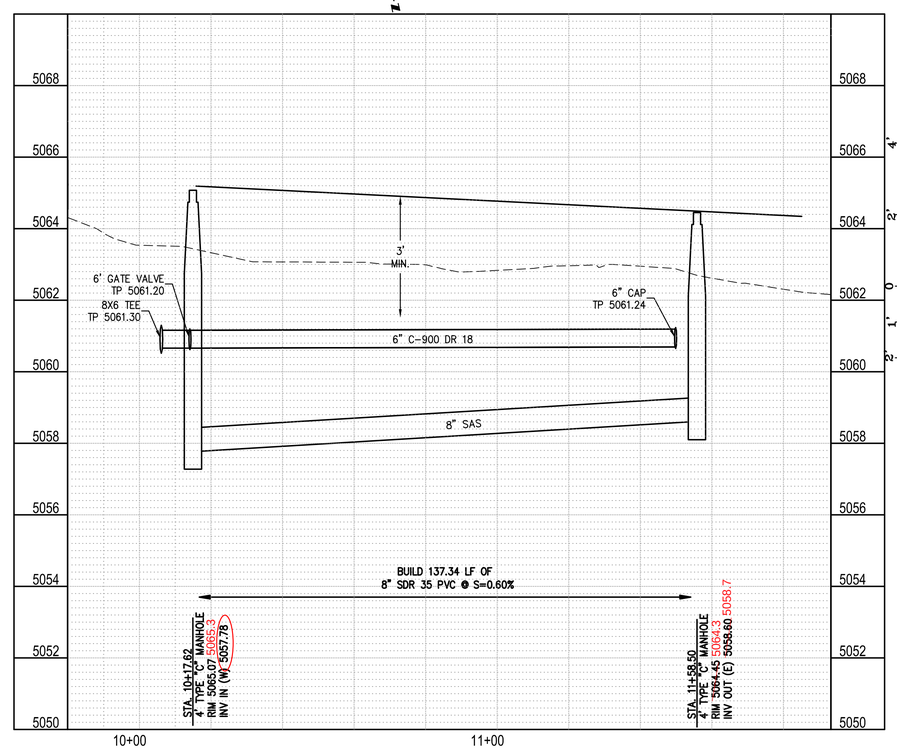
20' 10' 0 20' 40'
SCALE: 1" = 20'



AWAY PLACE

20' 10' 0 20' 40'
SCALE: 1" = 20'





LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY CARTESIAN SURVEYS DATE 2/21
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RONALD E. HENSLEY NEW MEXICO 21650 PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
1	8/25/20	SEWER DEPTH REVISION	

REVISIONS

DESIGN
DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
ALOFT PLACE AND AWAY PLACE
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782
ZONE MAP NO. C-17
SHEET 14 OF 15

HORIZON WAY SANITARY SEWER SERVICES				
LOT	SAS STATION & OFFSET	SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
29	100+68.47 4.62' LT	46.18	5054.68	5062.52
30	100+68.34 15.36' RT	53.50	5054.68	5062.52

NOTE: STATIONING IS AT PUE

SAS LINE TABLE		
LINE	LENGTH	BEARING
S1	24.72	N 65°14'56" W

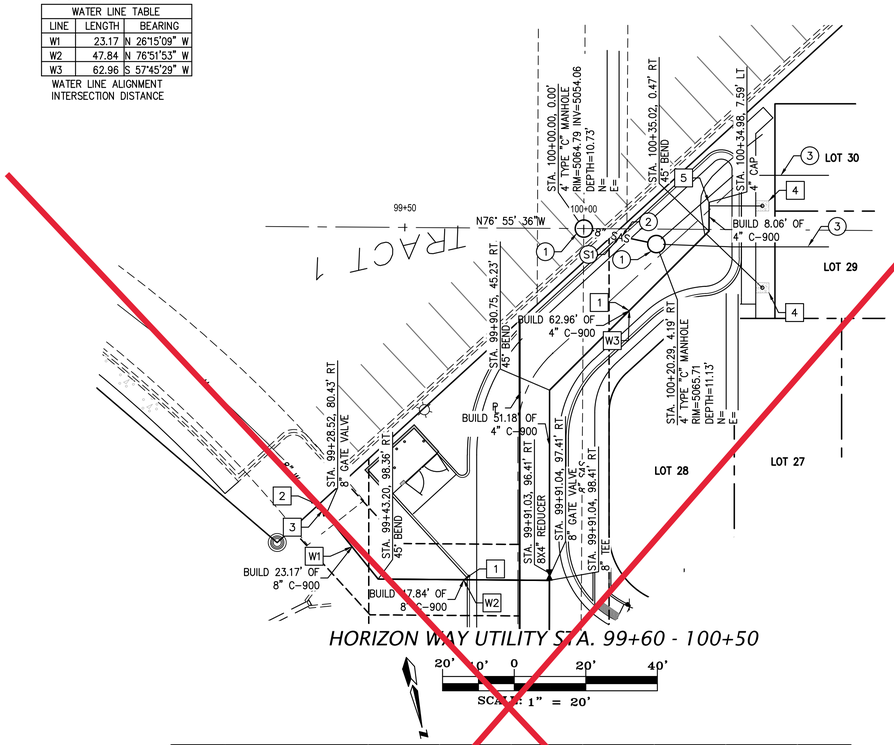
MH CENTER TO CENTER DISTANCE

HORIZON WAY WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
29	10+80.23 15.98 LT		
30	11+26.23 15.98 LT		

NOTE: STATIONING IS AT METER

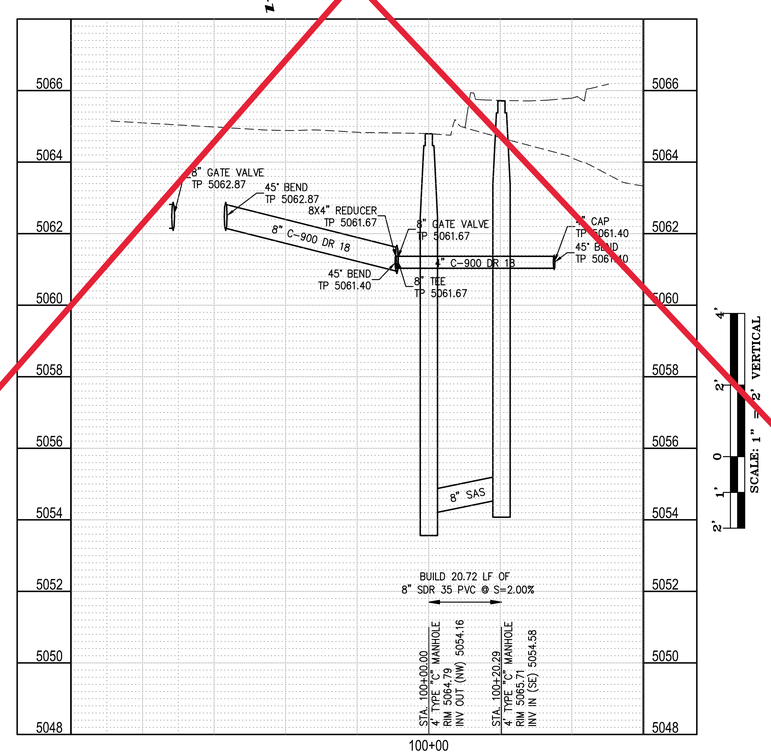
WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	23.17	N 26°15'09" W
W2	47.84	N 76°51'53" W
W3	62.96	S 57°45'29" W

WATER LINE ALIGNMENT INTERSECTION DISTANCE



HORIZON WAY UTILITY STA. 99+60 - 100+50

SCALE: 1" = 20'



SUPERSEDED -- SEE SHEET 15R, Rev. 9/10/2020.

SEWER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109
2	INSTALL 8" SEWER PIPE PER STD. SPEC. SEC. 901
3	INSTALL 4" SEWER SERVICE PER COA STD. DTL. 2125

WATER CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	NON-PRESSURE CONNECTION OF NEW WATERLINE TO EXISTING WATERLINE PER COA STD. DTL. 2301
3	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
4	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTLS. 2361 AND 2362
5	INSTALL 4" CAP

LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- —8" SAS— PROPOSED SANITARY SEWER LINE
- —SAS— EX SANITARY SEWER LINE
- —6" W— PROPOSED WATER LINE
- —8"W— EX WATER LINE

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO (21850) LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY UTILITY STA. 99+60 – 100+50
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED July 21, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Aug 6, 2020 CITY ENGINEER
LAST DESIGN UPDATE — Mo./DAY/YR. — Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 15 OF 15

RECORD DRAWINGS

HORIZON WAY SANITARY SEWER SERVICES					
LOT	SAS STATION & OFFSET		SAS LENGTH	INV BEGIN	TOP OF PIPE AT END
29	100+68.47	4.62' LT	46.18	5057.29	5062.52
30	100+68.34	15.36' RT	53.50	5057.29	5062.52

NOTE: STATIONING IS AT PUE

SAS LINE TABLE		
LINE	LENGTH	BEARING
S1	24.72	N 65°14'56" W

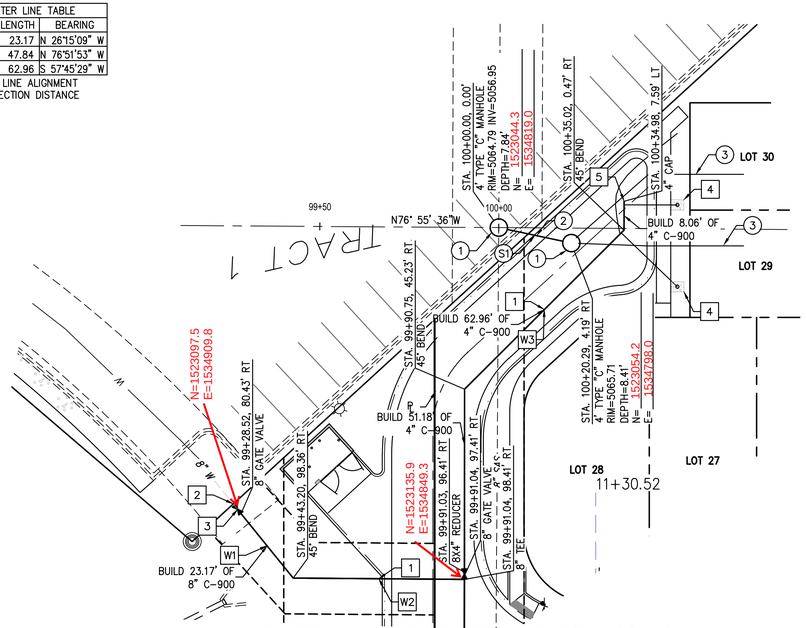
MH CENTER TO CENTER DISTANCE

HORIZON WAY WATER SERVICES			
LOT NO.	WL STATION & OFFSET	GPS X-COORDINATE	GPS Y-COORDINATE
29	10+80.23	15.98 LT	1534773.6	1523070.9
30	11+26.23	15.98 LT	1534768.0	1523048.3

NOTE: STATIONING IS AT METER

WATER LINE TABLE		
LINE	LENGTH	BEARING
W1	23.17	N 26°15'09" W
W2	47.84	N 76°51'53" W
W3	62.96	S 57°45'29" W

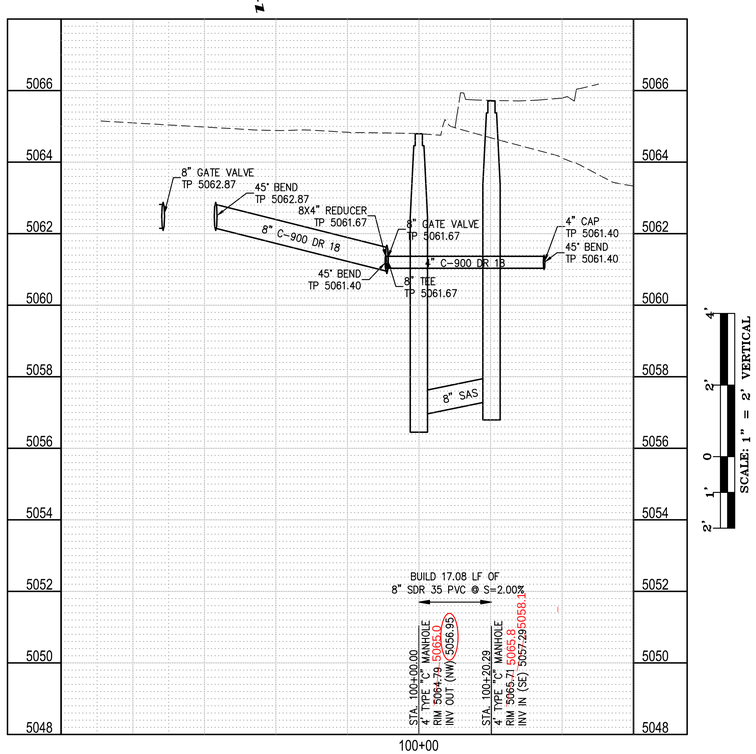
WATER LINE ALIGNMENT INTERSECTION DISTANCE



HORIZON WAY UTILITY STA. 99+60 - 100+50

20' 10' 0 20' 40'

SCALE: 1" = 20'



SEWER CONSTRUCTION NOTES	
I.D.#	DESCRIPTION
1	INSTALL 4' DIA. TYPE "C" MANHOLE PER COA STD. DTL. 2101, 2109
2	INSTALL 8" SEWER PIPE PER STD. SPEC. SEC. 901
3	INSTALL 4" SEWER SERVICE PER COA STD. DTL. 2125

WATER CONSTRUCTION NOTES	
I.D.#	DESCRIPTION
1	INSTALL WATERLINE PER STD. SPEC. SEC. 801
2	NON-PRESSURE CONNECTION OF NEW WATERLINE TO EXISTING WATERLINE PER COA STD. DTL. 2301
3	INSTALL GATE VALVE AND VALVE BOX PER COA STD. DTL. 2326, 2328
4	INSTALL 3/4" WATER SERVICE WITH METER BOX PER COA STD. DTLS. 2361 AND 2362
5	INSTALL 4" CAP

LEGEND

- PROP FIRE HYDRANT
- PROP WATER VALVE
- EX SAS MANHOLE
- PROP SAS MANHOLE
- PROP WATER METER
- 8" SAS — PROPOSED SANITARY SEWER LINE
- SAS — EX SANITARY SEWER LINE
- 6" W — PROPOSED WATER LINE
- 8"W — EX WATER LINE

THE group
THE HENSLEY ENGINEERING GROUP
(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY CARTESIAN SURVEYS DATE 7/20-1/21
INSPECTED BY ACCEPTANCE BY DATE
CARTESIAN SURVEYS DATE 2/21
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"ACS BM NM 448 N8"
X=1,514,900.643 Y=1,512,770.226 (NAD 83).
ELEV=5021.651 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RON E. HENSLEY NEW MEXICO (21850) LICENSED PROFESSIONAL ENGINEER
3/20/20

NO.	DATE	REMARKS	BY
1	8/25/20	SEWER DEPTH REVISION	

REVISIONS
DESIGN
DESIGNED BY REH DATE 10/31/19
DRAWN BY REH DATE 12/07/19
CHECKED BY REH DATE 02/21/20

HORIZON VILLAGE SUBDIVISION
HORIZON WAY UTILITY STA. 99+60 – 100+50
UTILITY PLAN AND PROFILE

DESIGN REVIEW COMMITTEE: APPROVED Sept. 10, 2020 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED Sept. 10, 2020 CITY ENGINEER
LAST DESIGN UPDATE Mo./DAY/YR. Mo./DAY/YR.

CITY PROJECT No. 799782 | ZONE MAP NO. C-17 | SHEET 15 OF R 15