

NOTES:

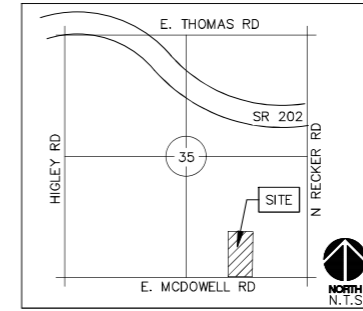
1. ADD 1,400' TO ALL SPOT ELEVATIONS
2. ADD 0.5' TO PAVEMENT (P) ELEVATION FOR TOP OF CURB ELEVATIONS FOR VERTICAL CURBS.
3. ALL SPOT ELEVATIONS ARE FINISHED GRADE PAVEMENT (P), GUTTER/GRADE (G), OR SIDEWALK (SW) ELEVATIONS UNLESS OTHERWISE NOTED.
4. REFER TO SHEET PGD-1 FOR LEGEND AND ABBREVIATIONS

DRAINAGE STATEMENT:

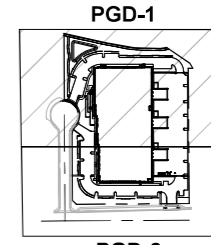
THIS PROJECT IS PART OF THE LONGBOW GOLF COURSE DRAINAGE STUDY, AS ACCEPTED BY THE CITY OF MESA. STORMWATER RUNOFF GENERATED FROM 100-YEAR, 2-HOUR STORM FOR THE PROJECT IS ACCOMMODATED FOR IN THE EXISTING RETENTION BASIN LOCATED NORTH OF THE PROJECT WITHIN THE EXISTING GOLF COURSE. PROPOSED STORM WATER WILL CAPTURED ONSITE AND CONVEYED TO THE EXISTING RETENTION BASIN VIA SURFACE CONVEYANCE AND SHEET FLOW.

GRADING CONSTRUCTION NOTES

- 1 PROPOSED STORM DRAIN PIPE
- 2 PROPOSED CATCH BASIN
- 3 PROPOSED STORMWATER PUMP
- 4 PROPOSED CURB OPENING
- 5 PROPOSED HEADWALL WITH HANDRAIL PER MAG STD DTL 501 & 145
- 6 CONNECT TO EXISTING STORM DRAIN
- 7 PROPOSED STORM DRAIN FORCE MAIN
- 8 FORCE MAIN DISCHARGE TO CONCRETE PAVEMENT
- 9 PROPOSED RETAINING WALL AND TERRACED LANDSCAPE
- 10 MITERED PIPE END TO BASIN SIDE SLOPE



VICINITY MAP
T2N, R6E, S35



KEY MAP
N.T.S.

LEGEND

- PROPERTY LINE
- RIGHT OF WAY LINE
- STREET CENTERLINE
- EASEMENT LINE
- S --- EXISTING SEWER MAIN
- W --- EXISTING PUBLIC WATER MAIN
- W --- PROPOSED PUBLIC WATER MAIN
- S --- PROPOSED SEWER MAIN
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- HP --- HIGH POINT
- 12 --- PROPOSED CONTOUR
- 2 --- EXISTING CONTOURS
- 10.00 P --- PROPOSED PAVEMENT SPOT ELEVATION
- 10.00 EG --- EXISTING SPOT ELEVATION
- ⊙ --- EXISTING SANITARY SEWER MANHOLE
- ⊙ --- FIRE HYDRANT
- ⊙ --- EXISTING STORM DRAIN MANHOLE
- ⊙ --- PROPOSED STORM DRAIN MANHOLE
- ⊙ --- PROPOSED CATCH BASIN

BENCHMARK

THE BENCHMARK USED FOR THIS SURVEY IS THE "BRASS TAG T.C. S.W CORNER" OF HIGLEY ROAD AND MCDOWELL ROAD.

ELEV= 1393.61' (NAVD88)

BASIS OF BEARING

THE BASIS OF BEARING FOR THIS SURVEY IS THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 35, USING A BEARING OF N89°38'58"W.

FEMA FLOODZONE DESIGNATION

THE SUBJECT SITE LIES WITHIN A FEMA-DESIGNATED ZONE X AS DETERMINED BY FIRM PANEL NUMBER 04013C2280L REVISED, OCTOBER 16, 2013. SHADED ZONE X IS DEFINED BY FEMA AS AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE.

DEVELOPER/OWNER

WETTA VENTURES, LLC.
3104 EAST CAMELBACK ROAD, STE. 957
PHOENIX, ARIZONA 85016
EMAIL: PS@WETTAVENTURES.COM
PH: (602) 478-3538
CONTACT: PAUL SALINAS

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PH: (602) 840-2929
CONTACT: KAREN OHMANN

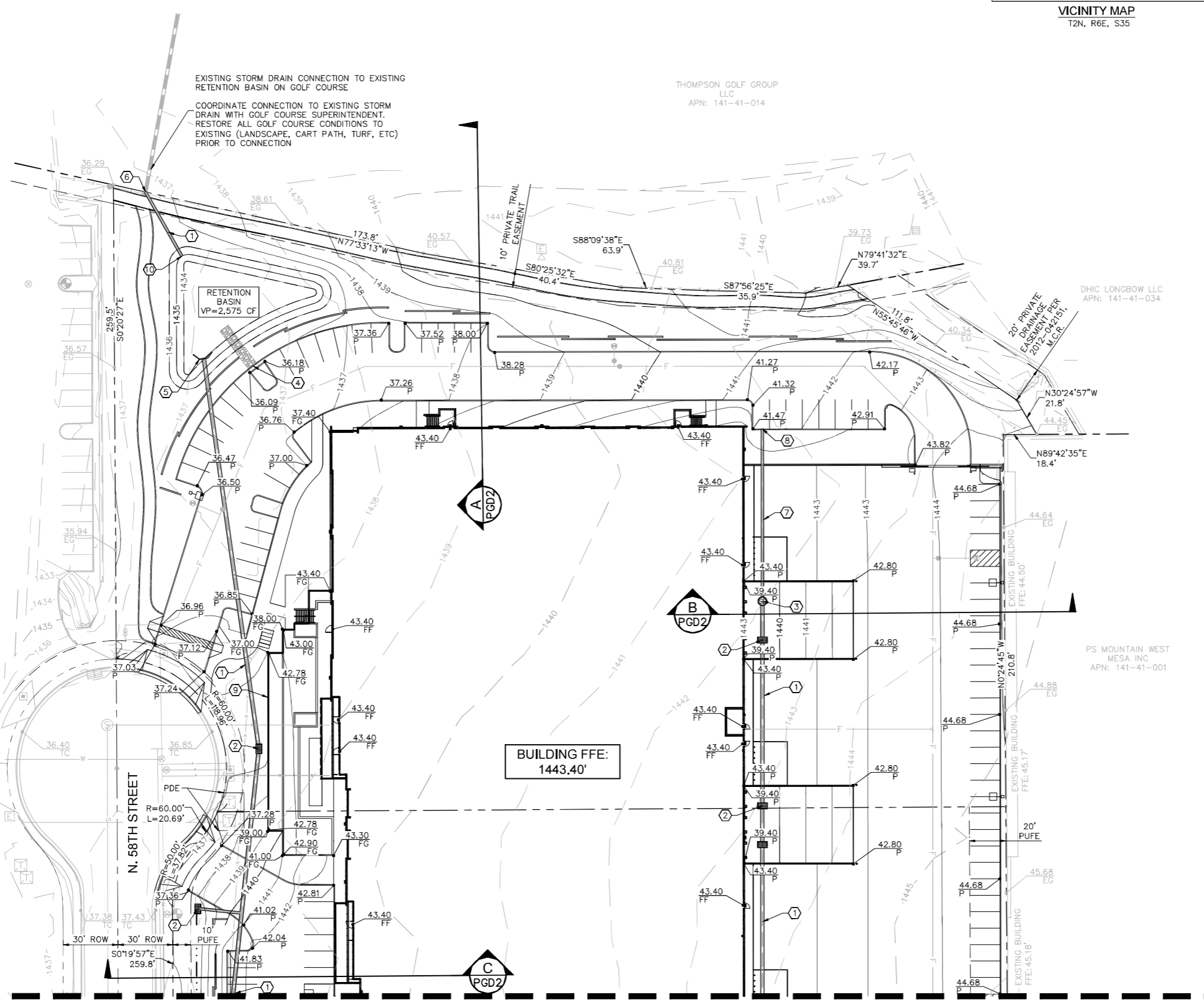
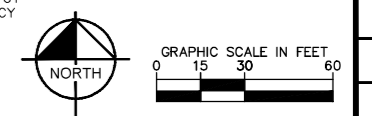
CIVIL ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC
1661 E. CAMELBACK RD, SUITE 400
PHOENIX, AZ 85016
PH: (602) 216-1231
CONTACT: CHARLES WURL, P.E.

EARTHWORK

THE QUANTITIES LISTED BELOW ARE APPROXIMATE AND BASED ON A FILL FACTOR OF 1.15.

RAW CUT: 12,037 CY
RAW FILL: 14,731 CY
NET (FILL): 2,694 CY



MATCH LINE - SEE SHEET PGD-2

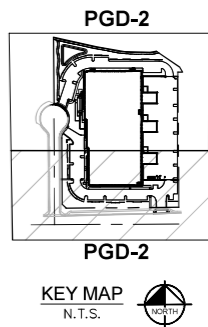
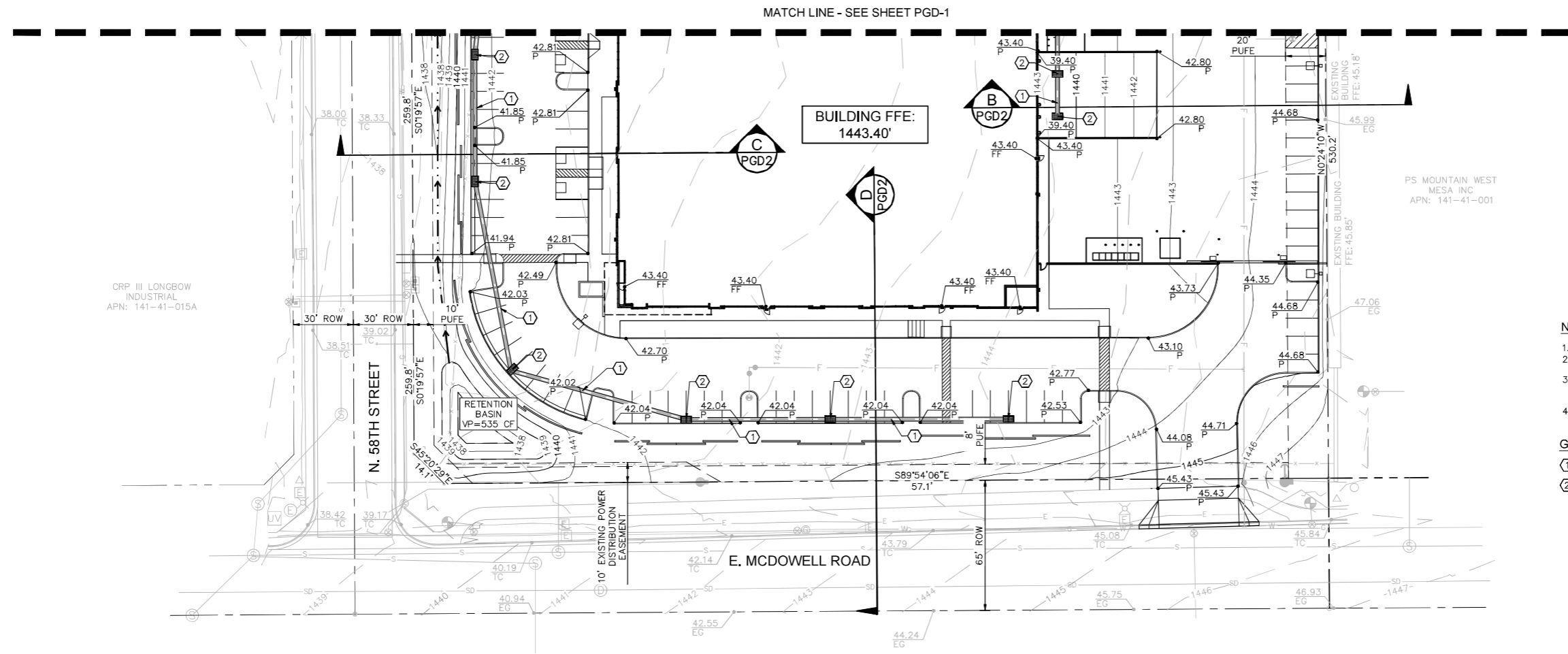
K:\PHX_CIV\192513000 - Longbow 202 CAD\Improvement Plans\PGD-192513000.dwg, Jan 03, 2025 CHUCK WURL
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Kimley-Horn
PRELIMINARY GRADING AND DRAINAGE PLAN
LONGBOW 202
MESA, ARIZONA

FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley-Horn
ENGINEER: C. WURL
PE NO. 812722, DATE: 01/25
PROJECT NO. 192513000
DRAWING NAME PGD-1
1 OF 2

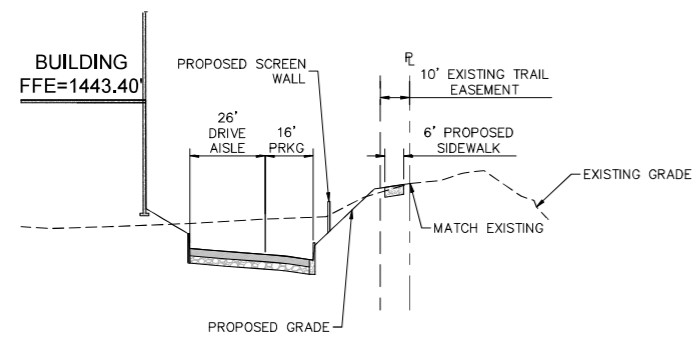
NO.	REVISION	BY	DATE	APPR.

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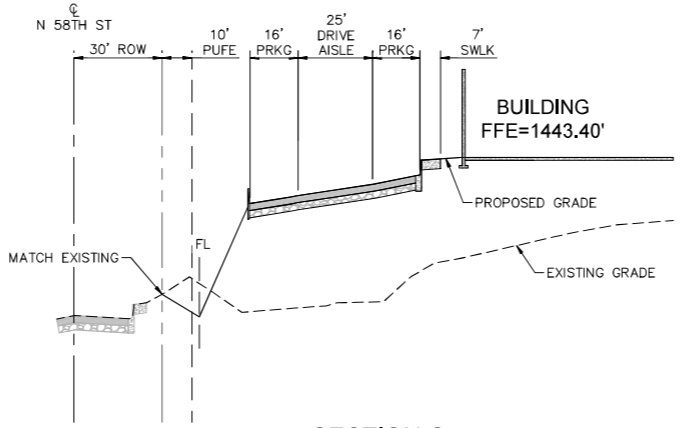


- NOTES:**
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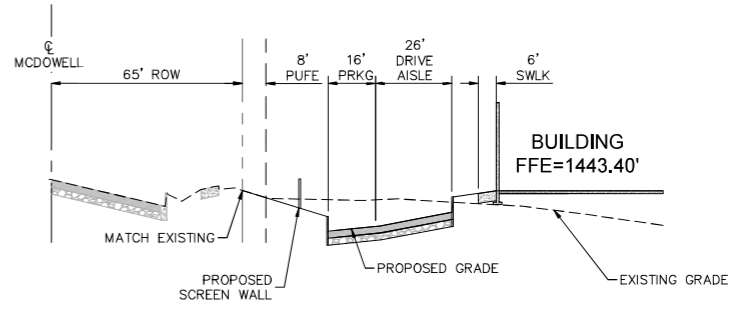
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- 1 PROPOSED STORM DRAIN PIPE.
 - 2 PROPOSED CATCH BASIN.



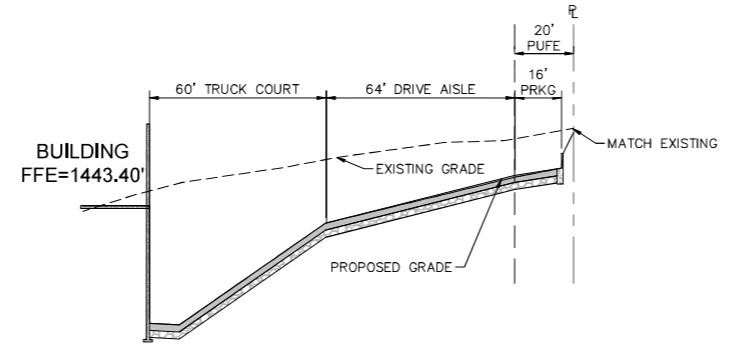
SECTION A
N.T.S.



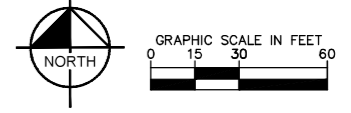
SECTION C
N.T.S.



SECTION D
N.T.S.



SECTION B
N.T.S.



NO.	REVISION	BY	DATE	APPR.

Kimley-Horn
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 1661 E Camelback Rd, Suite 400
 Phoenix, Arizona 85016 (602) 944-5500

SCALE (HORIZONTAL) 1"=20'
 SCALE (VERTICAL) 1"=10'
 DESIGNED BY: CMW
 DRAWN BY: SJ
 CHECKED BY: CMW
 DATE: 01/08/25

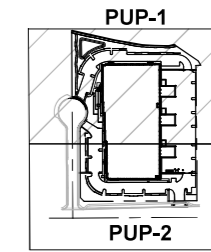
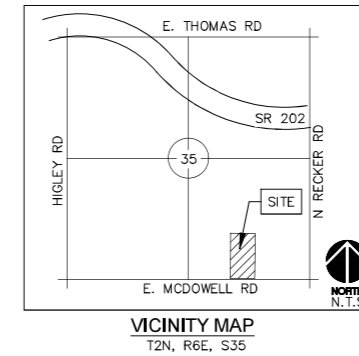
LONGBOW 202
**PRELIMINARY GRADING
 AND DRAINAGE PLAN**
 MESA, ARIZONA

FOR REVIEW ONLY
 NOT FOR CONSTRUCTION
Kimley-Horn
 ENGINEER C. WURL
 PE NO. 812722, DATE: 01/25

PROJECT NO.
192513000
 DRAWING NAME
PGD-2

UTILITY CONSTRUCTION NOTES

- ① 8" PVC C900 FIRELINE. 3' MINIMUM COVER.
- ② FIRE HYDRANT ASSEMBLY.
- ③ 8" BACKFLOW PREVENTER.
- ④ CONNECT TO EXISTING WATERLINE.
- ⑤ CONNECT SERVICE TO BUILDING.
- ⑥ 6" PVC (SDR 35) SEWER PIPE.
- ⑦ CONNECT TO EXISTING SEWER LINE
- ⑧ 2" DOMESTIC WATER SERVICE.



- LEGEND**
- PROPERTY LEASE BOUNDARY
 - RIGHT OF WAY LINE
 - STREET CENTERLINE
 - EASEMENT LINE
 - S --- EXISTING SEWER MAIN
 - W --- EXISTING WATER MAIN
 - W --- PROPOSED WATER MAIN
 - S --- PROPOSED SEWER MAIN
 - F --- PROPOSED FIRE MAIN
 - PROPOSED STORM DRAIN
 - EXISTING STORM DRAIN
 - ⊗ PROPOSED FIRE HYDRANT
 - ⊗ EXISTING FIRE HYDRANT
 - ⊗ PROPOSED BACKFLOW PREVENTER
 - ⊗ PROPOSED SANITARY SEWER CLEANOUT
 - ⊗ PROPOSED SANITARY SEWER MANHOLE
 - ⊗ EXISTING SANITARY SEWER MANHOLE
 - ⊗ EXISTING STORM DRAIN MANHOLE
 - ⊗ PROPOSED STORM DRAIN MANHOLE
 - ⊗ PROPOSED CATCH BASIN

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 ELEV= 1393.61' (NAVD88)

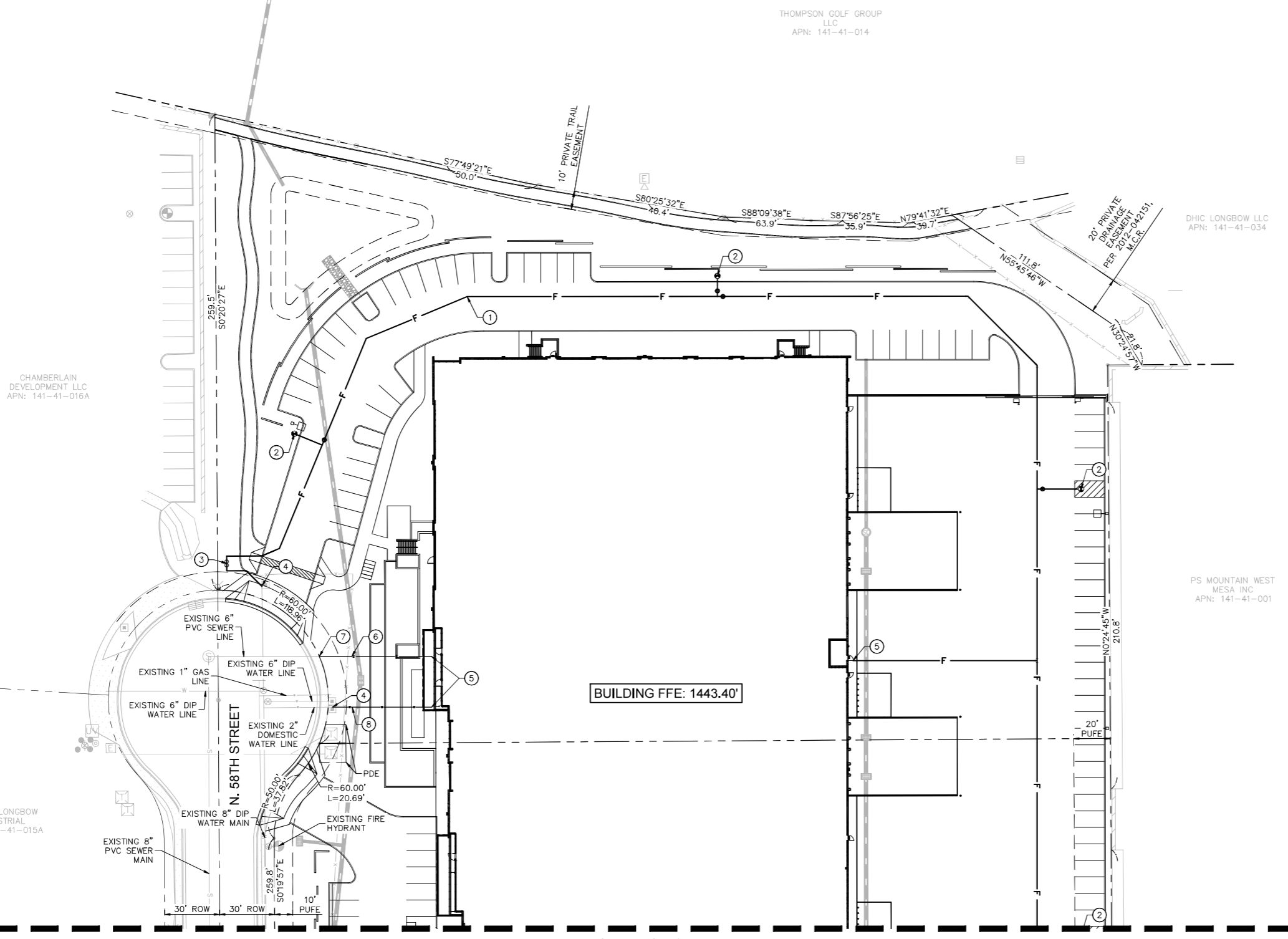
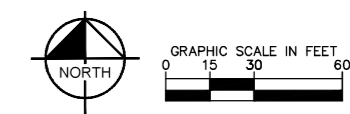
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 PHOENIX, AZ 85016
 PH: (602) 216-1231
 CONTACT: CHARLES WURL, P.E.

SITE DATA
 ADDRESS: 2861 N 58TH CIRCLE MESA, ARIZONA 85215
 APN: 141-41-017A
 ACREAGE: 6.617 ARES (288,246 SF)



MATCH LINE - SEE SHEET PUP-2

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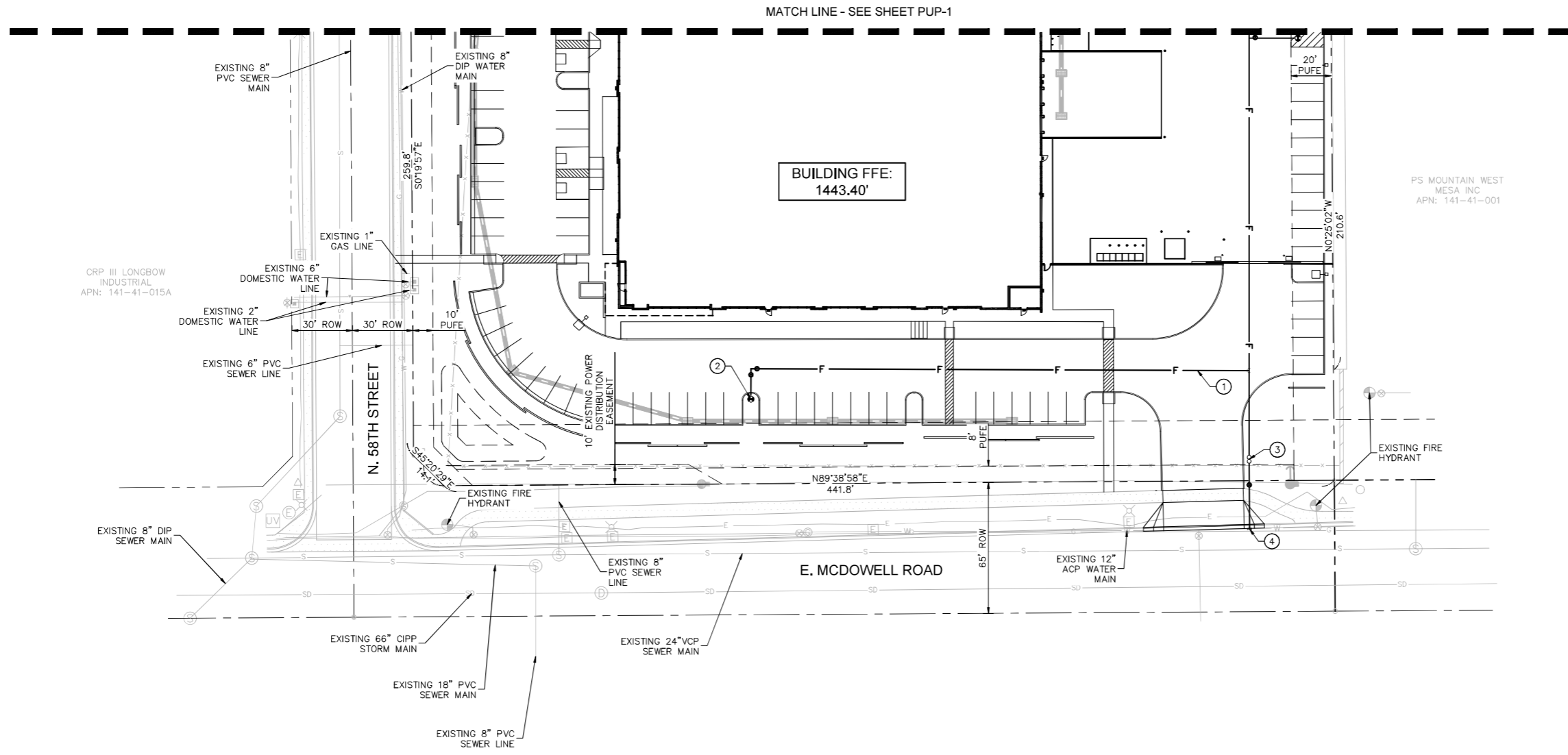
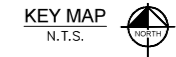
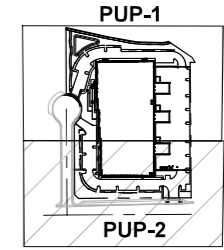
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 1661 E Camelback Rd, Suite 400
 Phoenix, Arizona 85016 (602) 944-5500

LONGBOW 202
 PRELIMINARY UTILITY
 PLAN
 MESA, ARIZONA

PROJECT NO.
 192513000
 DRAWING NAME
 PUP-1
 1 OF 2

UTILITY CONSTRUCTION NOTES

- ① 8" PVC C900 FIRELINE. 3' MINIMUM COVER.
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NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
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 1661 E Camelback Rd, Suite 400
 Phoenix, Arizona 85016 (602) 944-5500

SCALE (H):
 SCALE (V): NONE
 DESIGNED BY: CMW
 DRAWN BY: SJ
 CHECKED BY: CMW
 DATE: 01/08/25

LONGBOW 202
**PRELIMINARY UTILITY
 PLAN**
 MESA, ARIZONA

**FOR REVIEW ONLY
 NOT FOR CONSTRUCTION**

 ENGINEER: C. WURL
 PE NO. 812720, DATE: 01/25

PROJECT NO.
 192513000
 DRAWING NAME
PUP-2
 1 OF 2