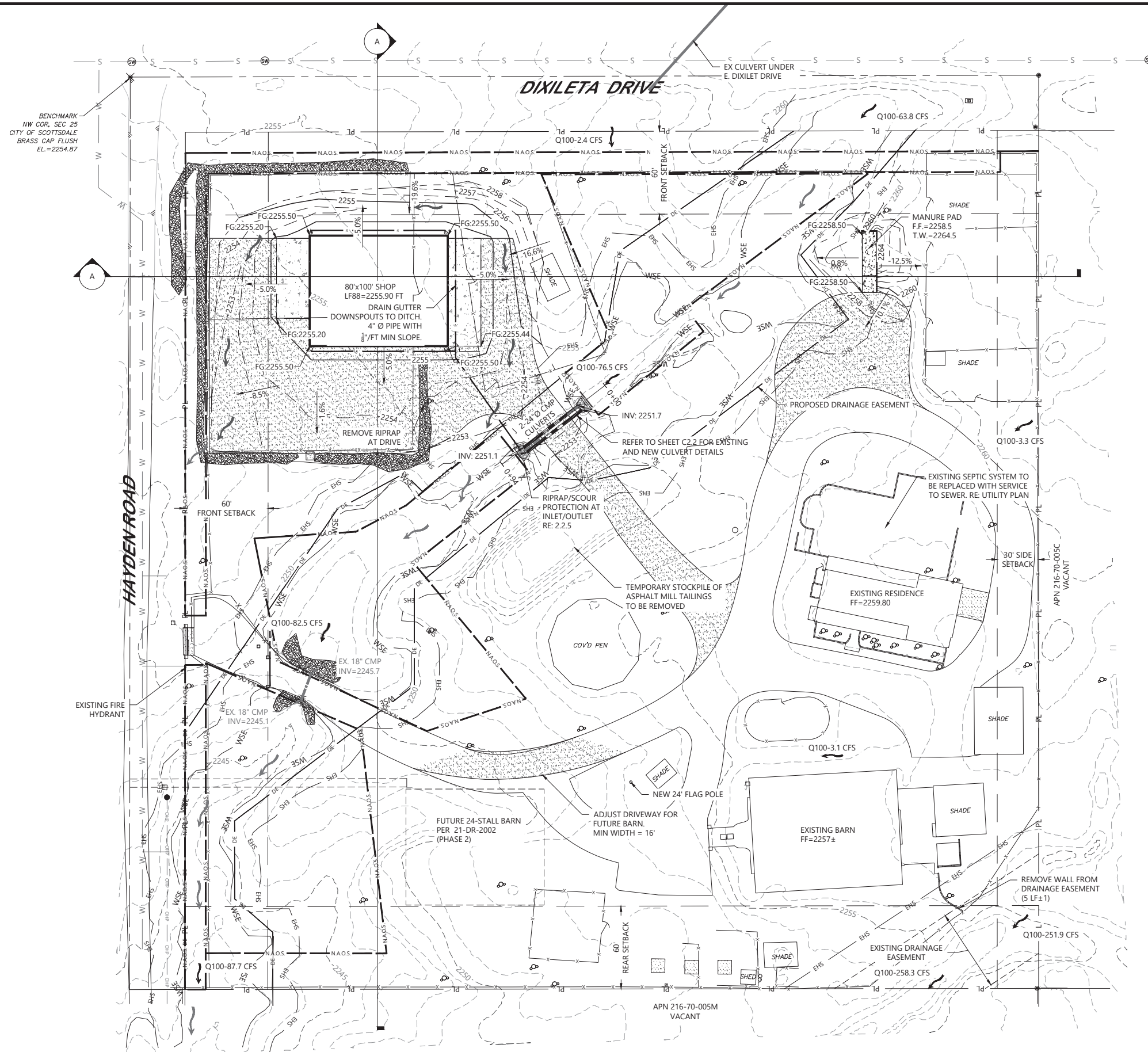


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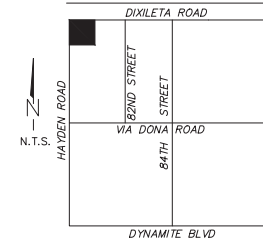


PROJECT CONTACTS

OWNER
 VARGO QUARTER HORSES LLC
 12255 E PARAISO DR, LOT 5
 SCOTTSDALE, AZ 85255
 ATTN: J. MICHAEL VARGO
 PH: 614-205-8045
 EMAIL: MVARGO@VARGOMAIL.COM

WESTERN HERITAGE CONSULTING & ENGINEERING
 RYAN ALTENBURG
 PO BOX 2117
 MILLS, WY 82644
 RYAN@WESTERNHCE.COM

VICINITY MAP



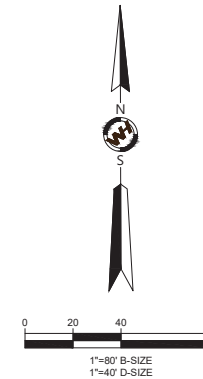
SITE DATA

A.P.N.	216-70-005L
SITE ADDRESS	29607 N. HAYDEN RD.
NET AREA	383,691 S.F.
PARCEL ZONING	R1-190 ESL FO
EXISTING RESIDENCE	4,833 S.F.
EXISTING BARN	8,899 S.F.
EXISTING SHADES	4,846 S.F.
EXISTING SHED	115 S.F.
EXISTING COVD PEN	3,386 S.F.
EXISTING WALL ENCLOSURES	8,066 S.F.
NEW SHOP	8,000 S.F.
FUTURE BARN	8,320 S.F.
TOTAL	46,183 S.F. OR 12%
OPEN SPACE	337,508 S.F.

BENCHMARK

MCDOT GDACS POINT NO. 42533-1
 NORTHWEST CORNER SECTION 25
 CITY OF SCOTTSDALE BRASS CAP FLUSH
 EL.=2254.87 NAVD 88

I HEREBY CERTIFY THAT ALL ELEVATIONS PRESENTED ON THIS PLAN ARE BASED ON NAVD-1988 AND MEET THE FEMA BENCHMARK MAINTENANCE (BMM) CRITERIA.



NOTES

- I HEREBY CERTIFY THAT THE TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS ACCURATE BASED ON A SURVEY CONDUCTED BY EVERETT ALAN GROUP DURING THE MONTH OF MARCH, 2023. REFER TO TOPOGRAPHIC SURVEY MAP FOR MORE INFORMATION.
- GRADING CUT/FILL QUANTITIES: 1,364.9 C.Y. (CUT), 367.2 C.Y. (FILL), 997.7 (NET-CUT).
 A. ALL CUT NOT USED TO BE HAULED OFF SITE.
 B. CUT/FILL QUANTITY BASED ON 1.1 FILL FACTOR FOR COMPACTION.
 C. CUT/FILL QUANTITY BASED ON FINISHED FLOOR ELEVATION OF BUILDING FOUNDATION AND FLATWORK.
- GRADING SURFACE AREA: 50,846 SQ. FT. (1.17 ACRES)
- DRIVEWAY RE-SURFACING AREA: 40,192 SQ. FT. (0.92 ACRES)
- FINISH FLOOR CERTIFICATION**
 FINISHED FLOORS ARE SAFE FROM INUNDATION DURING A 100-YEAR PEAK RUN-OFF EVENT IF CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.
- THE Q-100 VALUES SHOWN ARE BASED ON FLO-2D MAP, PINNACLE PEAK WEST, WHISPER ROCK, 100 YR-24 HOUR STUDY. REFER TO DRAINAGE REPORT FOR MORE INFORMATION.

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Community Number	Community Map Number	Panel Number	Panel Date	Suffix	FIRM Index Date	FIRM Zone	Base Flood Elevation (AO Zone, use depth)
045012	04013C	0893	7/20/2021	M	2/8/2024	X	N/A

Engineer's Certification: The lowest floor elevation(s) and/or flood-proofing elevation(s) on this plan are sufficiently high to provide protection from flooding caused by a one hundred year storm, and are in accordance with City of Scottsdale Revised Code, Chapter 37-Floodways & Floodplains Ordinance.

LEGEND

- FOUND MONUMENT (TYPE SHOWN)
- PROPERTY LINE
- 2255 — EXISTING CONTOUR
- SECTION LINE
- - - UTILITY EASEMENT LINE
- X — FENCE
- MASONRY WALL
- CONCRETE
- PAVEMENT
- x — LIGHT POLE
- ↑ — DOWN GUY
- — WATER METER
- — FIRE HYDRANT
- — ELECTRIC JUNCTION BOX
- N.A.O.S. — NATURAL AREA OPEN SPACE
- D.E. — DRAINAGE EASEMENT
- T.E. — TRAIL EASEMENT
- — SAGUARO CACTUS
- BUILDING SETBACK LINE
- ⊙ — SANITARY MANHOLE
- W — EXISTING WATERLINE
- S — EXISTING SEWER
- OHP — EXISTING OVERHEAD POWER
- EXISTING EDGE OF DRIVEWAY
- EXISTING RIPRAP
- NEW ASPHALT MILL TAILING DRIVEWAY (OR GRAVEL/ROAD BASE)
- WSE — WATER SURFACE ELEVATION FOR THE 100-YR FLOOD EVENT
- EHS — 20' MIN EROSION HAZARD SETBACK

Title: VARGO QUARTER HORSES, LLC

PRELIMINARY
 GRADING & DRAINAGE PLAN
 CITY OF SCOTTSDALE, AZ

Rev	Date	Description
1.0	8/30/23	DRB APP SUBMITTAL
2.0	3/17/24	1/05 COMMENTS - RESUBMIT
3.0	4/26/24	1/05 2ND COMMENTS - RESUBMIT

By: SDG MSP
 Drawn By: MSP
 Designed By: MSP
 Reviewed By: MSP
 RLA
 Scale:

Job Number:
23WHC802

Sheet Number:
C2.0

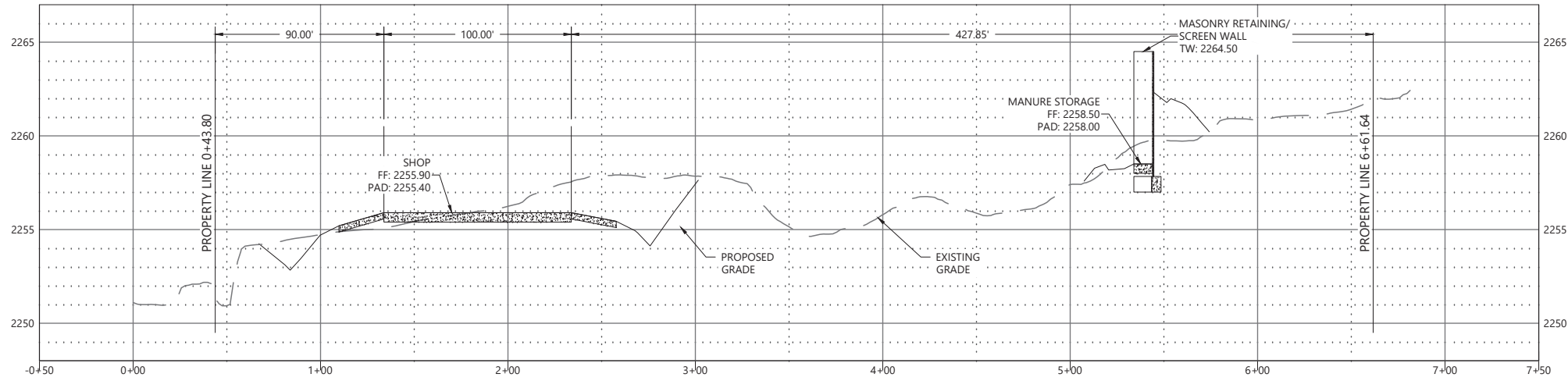
WESTERN HERITAGE
 CONSULTING & ENGINEERING

WHE

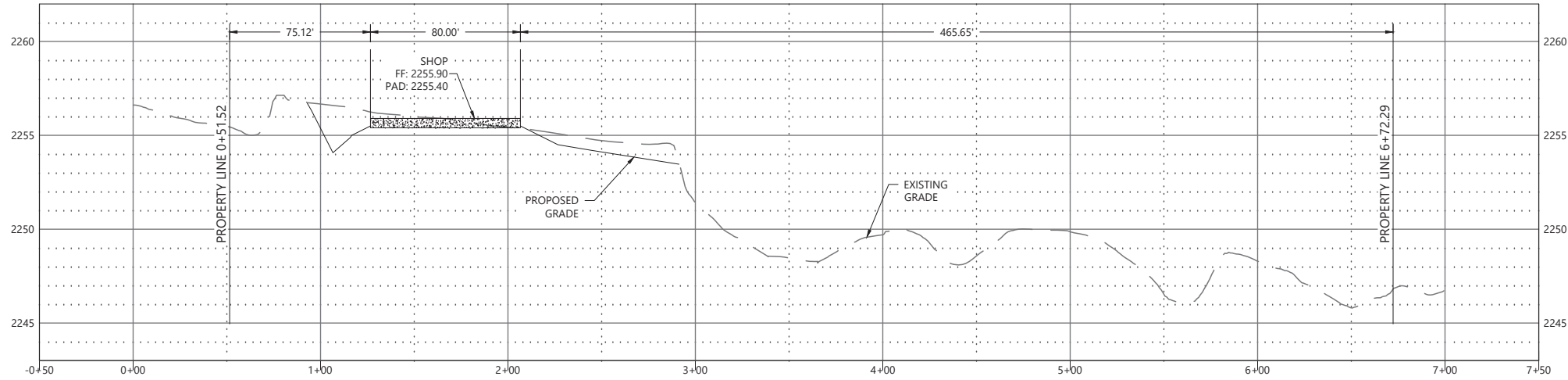
307.215.7430
 info@westernhce.com

PO BOX 2117
 MILLS, WY 82644

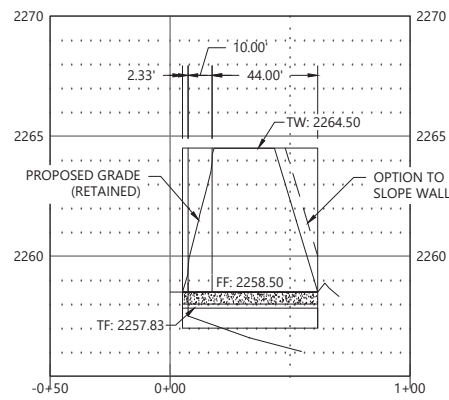
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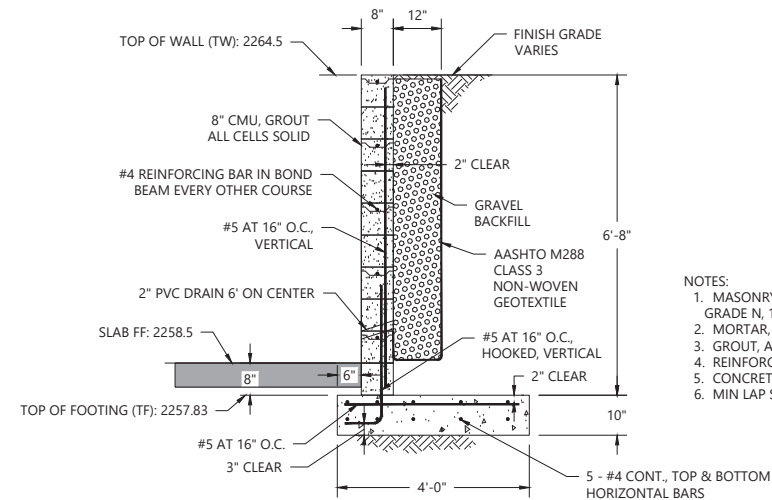
WH 2.1.1 CROSS-SECTION A
B-SIZE H:1"=80' V:1"=16' D-SIZE H:1"=40' V:1"=8'



WH 2.1.2 CROSS-SECTION B
B-SIZE H:1"=80' V:1"=16' D-SIZE H:1"=40' V:1"=8'



WH 2.1.3 WALL PROFILE
B-SIZE H:1"=80' V:1"=16' D-SIZE H:1"=40' V:1"=8'



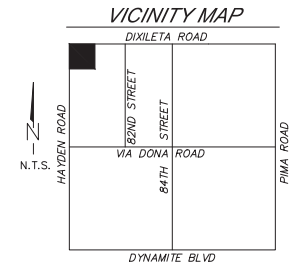
WH 2.1.4 RETAINING WALL
1"=2'

- NOTES:
- MASONRY, MEDIUM WT., ASTM C90, GRADE N, 1500 PSI.
 - MORTAR, ASTM C270, TYPE S, 1800 PSI
 - GROUT, ASTM C476, 2000 PSI
 - REINFORCING, ASTM A615, Fy=60 KSI
 - CONCRETE, 2500 PSI
 - MIN LAP SPLICE, 24"

PROJECT CONTACTS

OWNER
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SCOTTSDALE, AZ 85255
ATTN: J. MICHAEL VARGO
PH: 614-205-8045
EMAIL: MVARGO@VARGOMAIL.COM

WESTERN HERITAGE CONSULTING & ENGINEERING
RYAN ALTENBURG
PO BOX 2117
MILLS, WY 82644
RYAN@WESTERNHCE.COM



SITE DATA

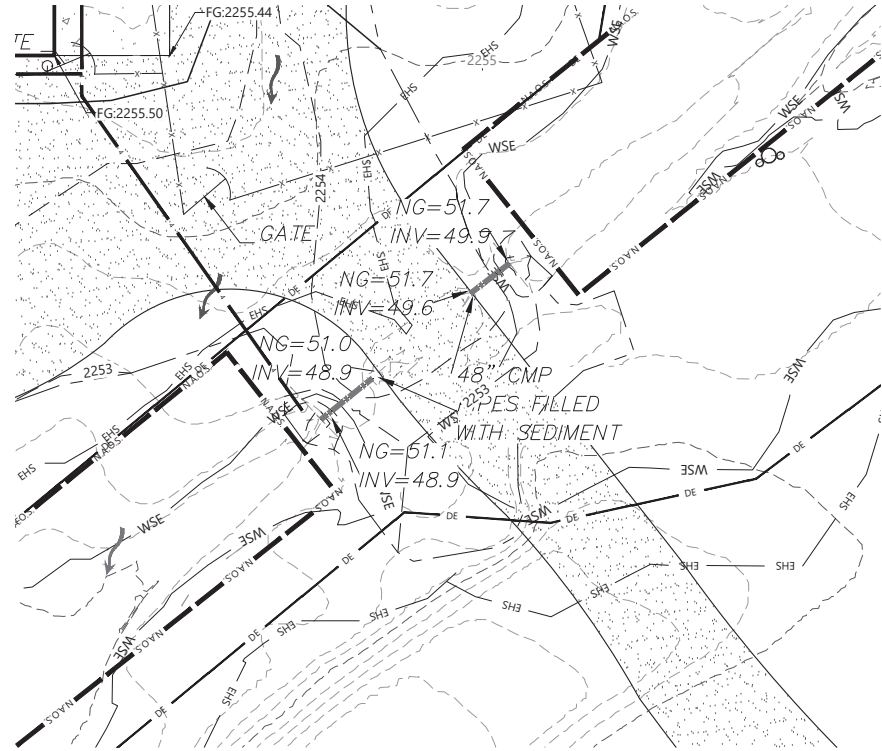
A.P.N.	216-70-005L
SITE ADDRESS	29607 N. HAYDEN RD.
NET AREA	383,691 S.F.
PARCEL ZONING	R1-190 ESL PD
EXISTING RESIDENCE	4,833 S.F.
EXISTING BARN	8,899 S.F.
EXISTING SHADES	4,846 S.F.
EXISTING SHED	115 S.F.
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EXISTING WALL ENCLOSURES	8,066 S.F.
NEW SHOP	8,000 S.F.
FUTURE BARN	8,320 S.F.
TOTAL	46,183 S.F. OR 12%
OPEN SPACE	337,508 S.F.

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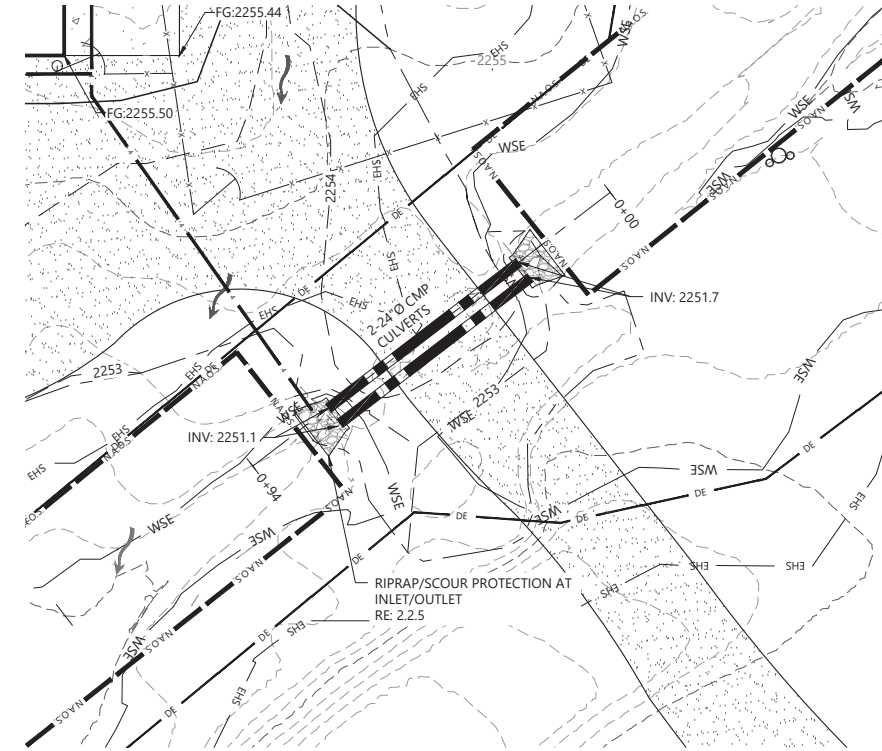
Job Number:
23WHC802
Sheet Number:
C2.1

Title:
VARGO QUARTER HORSES, LLC
PRELIMINARY
GRADING & DRAINAGE PROFILES
CITY OF SCOTTSDALE, AZ

By	MSP	Drawn By	MSP
Rev	1.0	Date	8/30/23
Description	DRB APP SUBMITTAL	By	MSP
	COS COMMENTS - RESUBMIT	Designed By	MSP
	COS 2ND COMMENTS - RESUBMIT	Reviewed By	RLA
		Scale	



2.2.1 CULVERT PROFILE - EXISTING
 B-SIZE: 1"=40' D-SIZE: 1"=20'

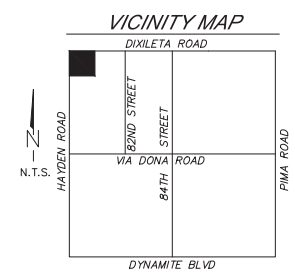


2.2.2 CULVERT PROFILE - PROPOSED
 B-SIZE: 1"=40' D-SIZE: 1"=20'

PROJECT CONTACTS

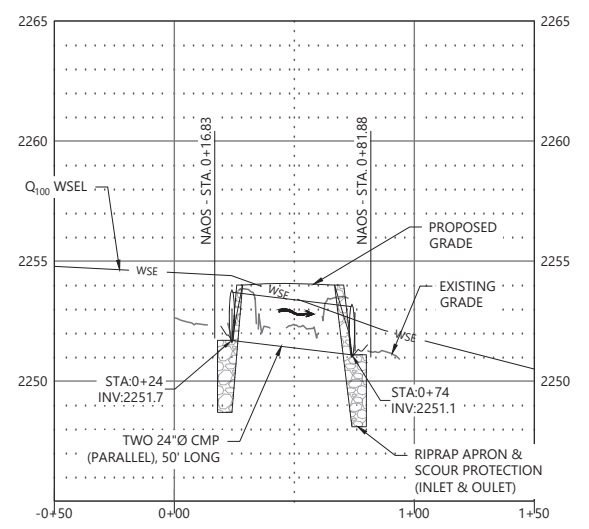
OWNER
 VARGO QUARTER HORSES LLC
 12255 E PARAISO DR, LOT 5
 SCOTTSDALE, AZ 85255
 ATTN: J. MICHAEL VARGO
 PH: 614-205-8045
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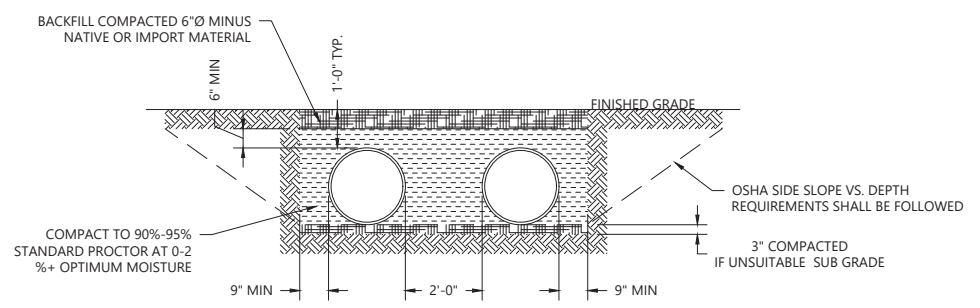


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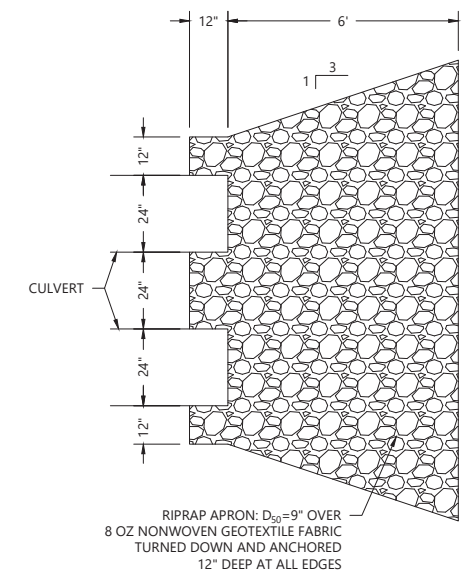
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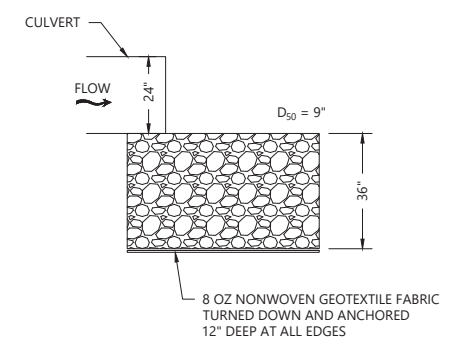
2.2.3 CULVERT PROFILE
 B-SIZE H: 1"=80' V: 1"=16' D-SIZE H: 1"=40' V: 1"=8'



2.2.4 TRENCH
 NTS



PLAN VIEW



SECTION VIEW

2.2.5 RIPRAP APRON
 NTS

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VARGO QUARTER HORSES, LLC
PRELIMINARY
GRADING & DRAINAGE
CULVERT DETAILS
 CITY OF SCOTTSDALE, AZ

Rev	Date	Description	By	Drawn By:
1.0	8/30/23	DRB APP SUBMITTAL	MSP	MSP
2.0	3/11/24	COS COMMENTS - RESUBMIT	MSP	MSP
3.0	4/26/24	COS 2ND COMMENTS - RESUBMIT	MSP	MSP
				Reviewed By: RLA
				Scale:

WESTERN HERITAGE
 CONSULTING & ENGINEERING

307.215.7430
 info@westernhce.com

PO BOX 2117
 Mills, WY 82644

Job Number:
23WHC802
 Sheet Number:
C.2.2