COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION

FLAGSTAFF, AZ

T22N, R08E, NE CORNER OF SW QUARTER SECTION OF SECTION 23

CIVIL IMPROVEMENTS SHEET INDEX

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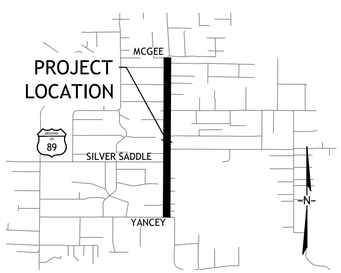
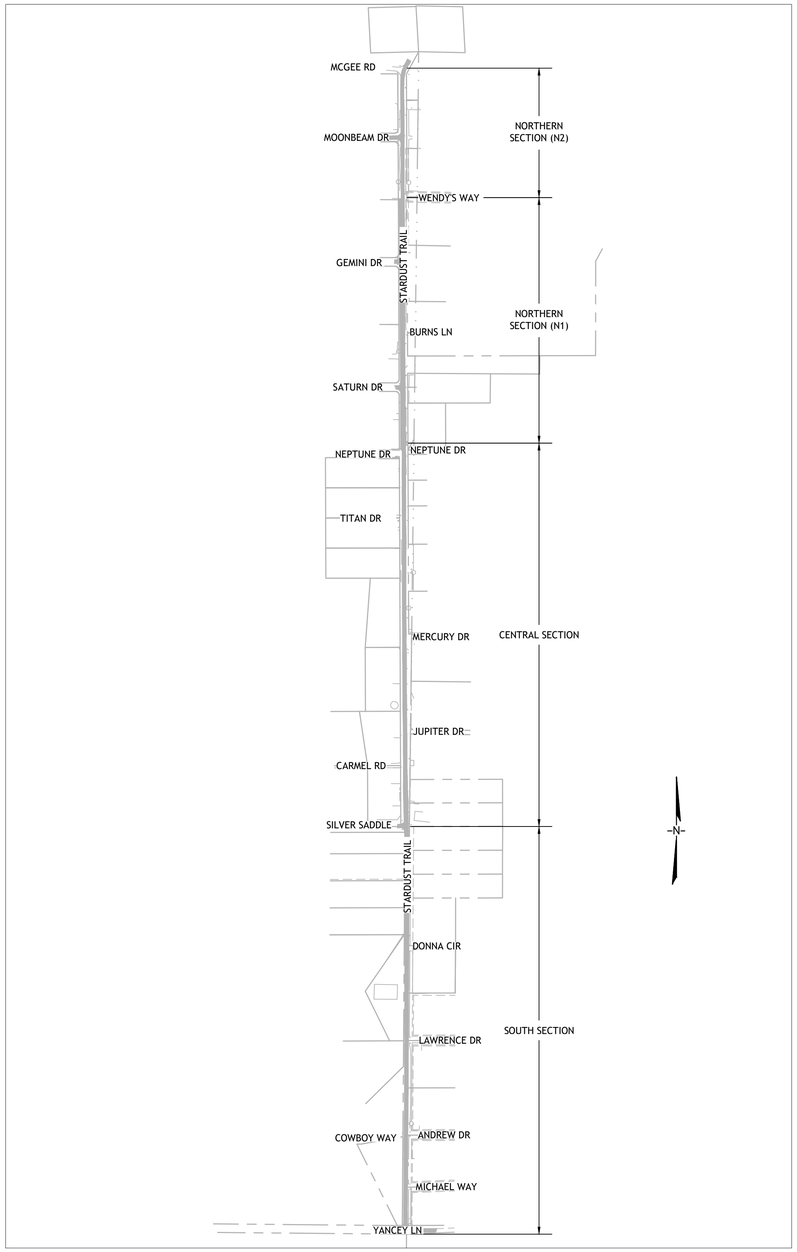


VICINITY MAP

N.T.S.



AREA MAP

N.T.S.

OWNER

Coconino County Public Works
5600 E. Commerce Ave
Flagstaff, AZ 86004-2935
Contact: Charlie Wilson, P.E.
Phone: (928) 606-8813

CIVIL ENGINEER

Peak Engineering,Inc.
201 E. Birch Ave, Suite 3
Flagstaff, AZ 86001
Contact: Caleb Lanting, P.E.
Phone: (928) 774-4046

COCONINO COUNTY APPROVALS

COUNTY ENGINEER DATE

UTILITY ACKNOWLEDGEMENTS

Approval Letter on file from Kevin Wagner 02/29/24
LUMEN (CENTURYLINK) DATE

PEAK ENGINEERING TO START COORDINATION WITH LUMEN ON POTENTIAL PEDESTAL RELOCATION. TO MAKE SURE THE PEDESTAL IS RELOCATED PRIOR TO THE CONSTRUCTION START DATE.

Approval Letter on file from Martin Conboy 02/29/24
UNISOURCE ENERGY DATE

Approval Letter on file from Chad Brooks 02/23/24
APS DATE

Approval Letter on file from Jason Quinlan 02/21/24
ALTICE (OPTIMUM) DATE

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

Registered Professional Engineer (Civil) CERTIFICATE NO. 47705 CALEB A. LANTING Date Signed 4/19/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
COVER

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

C1.0

ENGINEER'S GENERAL NOTES

The work shall be done in accordance with the most current edition(s) of the following specifications and these plans.

- Coconino County Engineering Design & Construction Manual
- Maricopa Association of Governments (MAG): Uniform Standard Specifications & Standard Details for Public Works Construction
- Manual on Uniform Traffic Control Devices (MUTCD)
- Arizona Department of Transportation Standard Specifications for Road and Bridge Construction

It is the Contractor's responsibility to obtain copies of the above Standards, Specifications and Details as well as all other standards and specifications referenced by or necessary for interpreting these plans.
The Contractor is not relieved of responsibility for making complete and accurate on-site determinations of the locations of all utilities, structures and field conditions, which may affect the progress of the work.

PERMITS. The Contractor is responsible for determining what permits are required for the work and obtaining, at his own expense, the permits required unless otherwise noted in the Special Provisions. Permitting includes compliance with the Arizona Department of Environmental Quality (ADEQ) Arizona Pollutant Discharge Elimination System (AZPDES) Construction General Permit. The Contractor is responsible for filing a Notice of Intent (NOI) and Notice of Termination (NOT) in accordance with AZPDES requirements.

UTILITIES. Underground utilities shown are approximate and were determined from field measurements, construction plans, record plans, or utility maps furnished by others. The Contractor is responsible for determining the actual locations of all underground lines that may affect the work. The Contractor is responsible for notifying appropriate utility companies prior to construction commencing. The number to call is 811. The Contractor shall allow 2 working days after 811 is notified before starting any excavation work in the proximity of buried utilities.
Where the plans call for connecting new structures to existing underground pipes or structures, the Contractor is responsible for determining the exact sizes, types and locations of existing underground improvements and furnishing the materials necessary for making the required connections.
At least 48 hours prior notice is required before disrupting utility service to make connections. The notice must include the exact time of disruption and the expected duration of loss of service.

QUANTITIES. The quantities shown are approximate. The Contractor is responsible for independently estimating work quantities prior to bidding.

TRAFFIC CONTROL. The Contractor is responsible for providing any necessary traffic control devices for vehicle, bicycle and pedestrian traffic affected by the construction.

STORMWATER MANAGEMENT. Adequate drainage, erosion and sediment control measures, best management practices (BMPs), and/or other stormwater management facilities shall be provided and maintained at all times during construction. The Contractor is responsible for damages to adjacent property and/or the construction site caused by his or her failure to provide and maintain adequate drainage and erosion/sediment control for the construction area.

Refer to the AZPDES Construction General Permit and ADEQ website for guidance, BMPs and reporting requirements: http://www.azdeq.gov/node/524

COCONINO COUNTY GENERAL NOTES

The latest version of Coconino County's General Notes can be found on the Coconino County Public Works website. These notes may be periodically updated by the County. At the time of the publication of these Standards they were as follows:

1. Approval of these plans by the County Engineer is for a two-year period, subsequent to the date of approval. If construction work is not started within the two-year period or has been discontinued for any reason for longer than two years, the plans shall be resubmitted for review and re- approval in accordance with Arizona Technical Board of Registration.
2. Plan review by the County does not extend to material quantities shown on the plans.
3. An encroachment permit, issued by the Community Development Department, is required for all work in County rights-of-way or easements.
4. The County shall be notified forty-eight (48) hours prior to beginning different phases of construction so that County Inspector may be scheduled.
5. For construction purposes, the following precedence of standards will prevail: Current Coconino County Public Works Engineering Department Standards; current MAG Standards, International Building Code (IBC), project specific plans and specifications, ADOT Standards -- or other specifications approved by the County Engineer and with generally accepted good construction practice. All work and materials which do not conform to the standards and specifications are subject to removal and replacement at the contractor's expense.
6. Any work performed without the knowledge and approval of the County Engineer, is subject to removal and replacement at the contractor's expense.
7. The County Engineer may suspend the work by written notice when, in their judgment, progress is unsatisfactory, work being done is unauthorized or defective, weather conditions are unsuitable, or there is danger to the public health or safety.
8. The County Engineer may order any or all materials used in the work to be tested according to MAG or ADOT Material Testing Requirements, American Association of State Highway and Transportation Officials (AASHTO) and the American Society for Testing and Materials (ASTM) Standards. The Contractor shall, at their expense, hire a qualified testing laboratory to perform Quality Control (QC) during all phases of construction, as stated in Coconino County Standards, or as directed in the Special Provisions.
9. Local Fire Department, County Engineering Division and other emergency responder's approval is required for obstruction of access or water system shutdown - submission of traffic control plans is required.
10. The Contractor shall be responsible for maintenance of the streets and of partially completed portions of the work until final acceptance of the work. Any roads required to be closed for the construction activity shall be reopened within a reasonable time or upon order of County Engineer. The regulation and control of this traffic shall be as directed by the County Engineer.
11. Approval of a portion of the work in progress does not guarantee its final acceptance. Testing and evaluation may continue until written final acceptance of a complete workable unit. Any defects which appear in the work within one year from the date of acceptance and which are due to improper workmanship or inferior materials supplied shall be corrected by or at the expense of the contractor.
12. Acceptance of completed public improvements will not be given until defective or unauthorized work is removed, and final clean-up is complete.
13. Location of underground utilities before work is begun is to be accomplished in accordance with ARS 40-360.22.
14. If work is done on private property in relation to a project constructed under these standards, the contractor will provide the County with written authorization from the property owner to do so.
15. The establishment and use of temporary construction yards shall require written authorization from the County Public Works Department.
16. County approval of these plans is for concept only. All liability resulting from errors or omissions is the responsibility of the permittee and/or his consultants and employees. Coconino County does not verify or guarantee the measurements, calculations, ownership, or conclusions indicated by the creator of these plans.

PAVING NOTES

1. Exact point of matching termination and overlay, if necessary, shall be determined in the field by the County Engineer or his/her designee.
2. No job will be considered complete until:
   a. All curbs, pavements, sidewalks, ditches, and manholes have been cleaned of all dirt and debris.
   b. Survey monuments are installed and stamped.
   c. All frames, covers, and valve boxes are adjusted to grade.
3. No paving construction shall be started until all utility lines under proposed paved area are completed and approved.
4. Asphalt shall not be placed before base course has been approved and base course will not be placed until subgrade has been approved by the County Engineer or his/her designee.
5. The location of all water valves, fire hydrants, and manholes must at all times during construction be referenced and made accessible to the County.
6. Utility facilities in conflict with this work will be relocated by the permittee or the utility owner. This activity shall be coordinated with the owner of the utility to prevent any unnecessary interruption of service to existing customers.
7. Existing street and traffic signs will be maintained during construction and relocated by the permittee as directed by the County Engineer or his/her designee.
8. All concrete, curb, curb & gutter, curb ramps, etc. shall be placed on a minimum of 3" ABC.

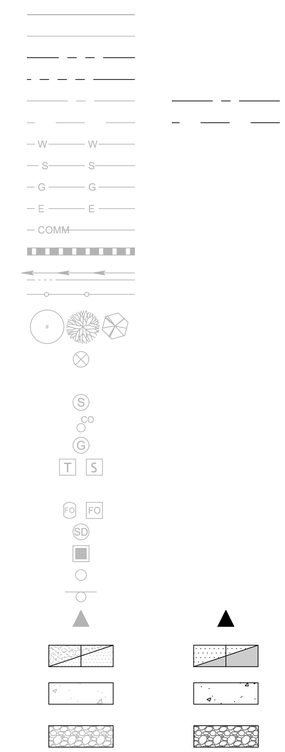
QUANTITY SUMMARY

NOTE #	DESCRIPTION	QNTY	UNIT
	REMOVALS (000)		
001	Sawcut & Remove Asphalt	8,778	SY
050	Remove & Dispose/Salvage Culvert	1	EA
090	Clear & Grub	1	LS
	RELOCATIONS & ADJUSTMENTS (100)		
100	Remove & Replace Ex. Sign on New Post	2	EA
110	Adjust Water Valve	4	EA
120	Adjust Water Meter	2	EA
130	Remove & Replace Mailbox	12	EA
	CONSTRUCTION (200)		
200	4" AC / 2" New ABC / 3" Ex. ABC (Center Segment)	6,927	SY
201	4" AC / 2" New ABC / 3" Ex. ABC (South Segment)	177	SY
202	4" AC / 5" RAP millings (Center Segment)	2,603	SY
203	3" AC / 5" RAP millings (North Segment)	1,930	SY
204	4" AC / 5" ABC	1,200	SY
210	1.5" Mill / 2.5" Overlay	6,273	SY
220	Fog Seal (North Segment)	2,166.0	SY
220	Fog Seal (South Segment)	7,785.0	SY
230	Asphalt Patch (North Segment)	248	SY
231	Crack Fill (North Segment)	760	LF
233	Crack Seal	9,951.0	SY
234	Crack Mill & Fill (South Segment)	20	LF
240	8' Wide Concrete Valley Gutter	2,642	SF
250	Dirty Cinder Roadway/Driveway Matchup	557	SY
251	Graded Cinder Driveway Matchup	99	SY
253	Gravel Roadway/Driveway	129	SY
254	3" AC / 4" ABC Driveway Matchup	523	SY
256	6" ABC Roadway/Driveway Matchup	146	SY
257	Millings driveway apron, 5' deep x driveway width	14	EA
260	Hydroseeding	2.0	AC
	STORMWATER (300)		
320	Swale	1,376	LF
	STRIPING (600)		
600	4" Solid White Lane Stripe	9,324	LF
605	4" Double Yellow Centerline Stripe	4,185	LF
610	4" White Cross-hatch	1	LS
611	Stop Bar	6	EA
620	Solar Powered Speed Limit Sign	2	EA

ABBREVIATIONS

ABC	AGGREGATE BASE COURSE
AC	ASPHALTIC CONCRETE PAVEMENT
ACP	ASBESTOS CEMENT PIPE
APN	ASSESSORS PARCEL NUMBER
BC	TOP BACK OF CURB
BFP	BACKFLOW PREVENTER
BP	BEGIN POINT ALIGNMENT
CCPR	COCONINO COUNTY PARKS & RECREATION
C&G	CURB & GUTTER
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
COF	CITY OF FLAGSTAFF
E	EASTING
EG	EXISTING GRADE
EL - ELEV	ELEVATION
EP	END POINT ALIGNMENT
EX	EXISTING
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
GB	GRADE BREAK
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LEN	LENGTH
LT - L	LEFT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
N	NORTHING
NA	NOT APPLICABLE
OFS	OFFSET
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
RAD - R	RADIUS
RAP	RECLAIMED ASPHALT PAVEMENT
RCP	REINFORCED CONCRETE PIPE
ROW - R/W	RIGHT OF WAY
R&R	REMOVE & REPLACE
RT - R	RIGHT
SD	STORM DRAIN
SS	SANITARY SEWER
STA	STATION
SW	SIDEWALK
WL	WATER LINE
WM	WATER METER
WV	WATER VALVE

LEGEND



MAJOR CONTOUR
MINOR CONTOUR
PARCEL
RIGHT-OF-WAY
CENTER
EASEMENT
WATER LINE
SEWER LINE
GAS LINE
ELECTRIC LINE
COMMUNICATION LINE
STORMDRAIN/CULVERT
FLOWLINE
FENCE
TREE (APPROXIMATE LOCATION)
WATER VALVE
FIRE HYDRANT
SEWER MANHOLE
SEWER CLEANOUT
GAS VALVE
ELECTRICAL CABINET
LIGHT POLE
COMMUNICATION RISER
STORM DRAIN MANHOLE
CATCH BASIN
BOLLARD/POST
SIGN
SURVEY CONTROL
ASPHALT
CONCRETE
GRAVEL DIRT ROAD

FINAL 1

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Peak ENGINEERING, INC.
Connecting Place to People

Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CALEB A. LANTING Date Signed 4/18/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
NOTES & LEGEND

BY: CBW/DCW
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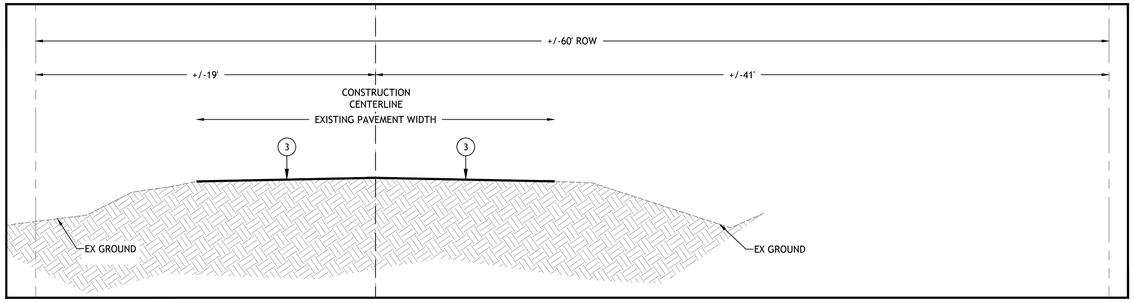
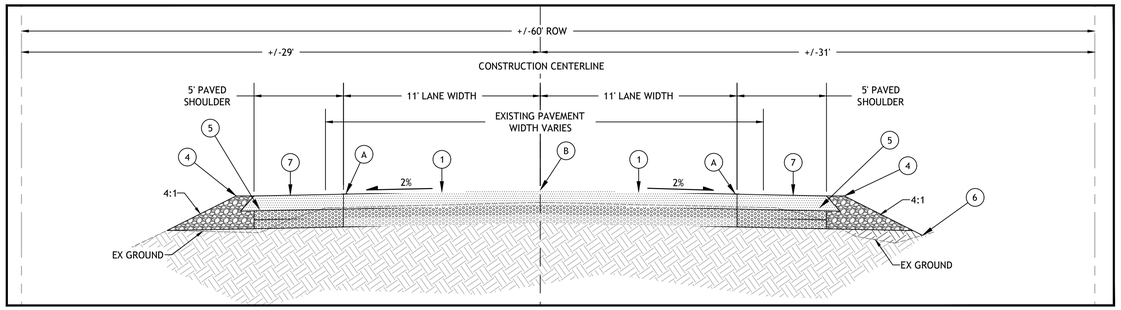
C1.1



S SOUTH SECTION (YANCEY TO SILVER SADDLE)
NOT TO SCALE



C CENTRAL SECTION (SILVER SADDLE TO NEPTUNE)
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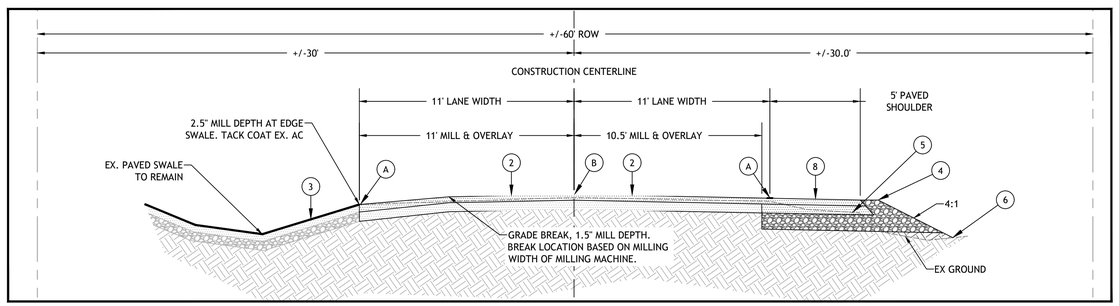

N1 NORTH SECTION (NEPTUNE TO WENDY'S WAY)
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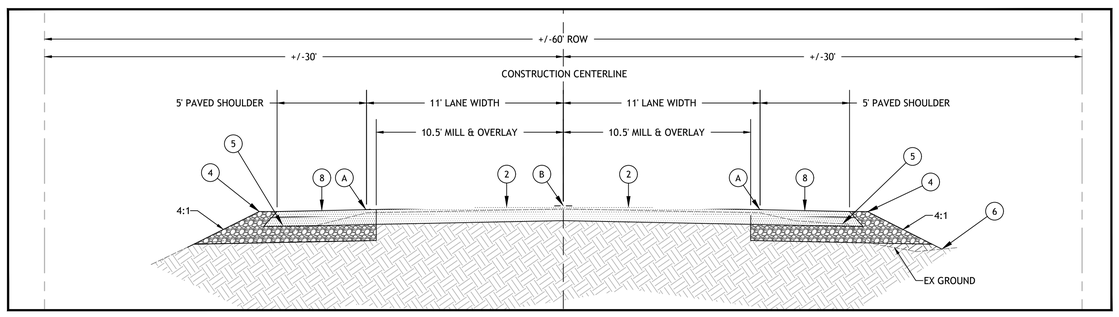
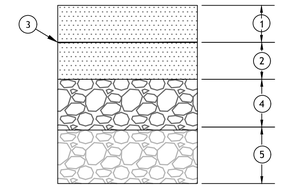


N2 NORTH SECTION (WENDY'S WAY TO MCGEE)
NOT TO SCALE

TYPICAL SECTION KEYNOTES

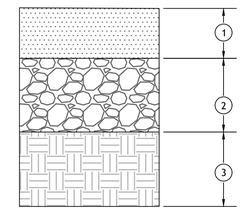
1 4" AC/2" NEW ABC/3" EX. ABC PER DETAIL 1.
2 1.5" MILL/2.5" OVERLAY PER DETAIL 2
3 FOG SEAL AND CRACK SEAL PER SPECIFICATIONS.
4 1' SHOULDER (ABC OR MILLINGS, 95% COMPACTION PER MAG SPEC. 310.
5 SAFETY EDGE PER MAG STD. DET. 201 (TYP).
6 3" SWALE WHERE SHOWN ON THE PLANS PER DETAIL 4.
7 4" AC/5" RAP MILLINGS, 2" MINUS PER DETAIL 5.
8 3" AC/5" RAP MILLINGS, 2" MINUS PER DETAIL 6.
A WHITE LANE STRIPE.
B DOUBLE YELLOW LANE STRIPE.



KEYNOTES

1 2" ASPHALTIC CONCRETE; 3/4" MIX, PG 64-28TR+ PER SPECS.
2 2" ASPHALTIC CONCRETE; 3/4" MIX, PG 64-28TR+ PER SPECS.
3 BITUMINOUS TACK COAT PER PROJECT SPECS.
4 2" NEW AGGREGATE BASE COURSE. 100% COMPACTION PER MAG SPEC. 310.
5 3" EX AGGREGATE BASE COURSE. SCARIFY, MOISTURE CONDITION & 100% COMPACTION.

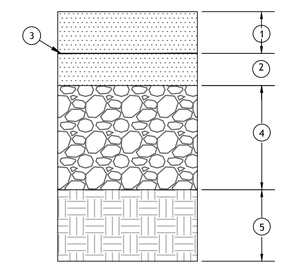
1 4" AC / 2"ABC/3" EX ABC
NOT TO SCALE



KEYNOTES

1 3" THICK ASPHALT, 3/4" MIX, PG 64-28TR+ PER SPECS.
2 4" AGGREGATE BASE COURSE. 100% COMPACTION PER MAG SPEC. 310. OR 4" RAP MILLINGS.
3 8" SUBGRADE PREPARATION PER MAG SPEC. 310, 95% COMPACTION.

3 3" AC / 4" ABC
NOT TO SCALE



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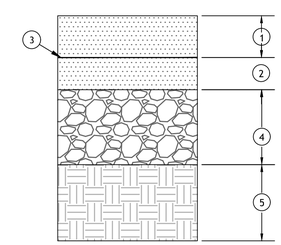
1 2" ASPHALTIC CONCRETE; 3/4" MIX, PG 64-28TR+ PER SPECS.
2 2" ASPHALTIC CONCRETE; 3/4" MIX, PG 64-28TR+ PER SPECS.
3 BITUMINOUS TACK COAT PER PROJECT SPECS.
4 5" RAP MILLINGS, 2" MINUS, MOISTURE CONDITION & 100% COMPACTION.
5 8" SUBGRADE PREPARATION PER MAG SPEC. 310, 95% COMPACTION.

5 4" AC / 5" RAP MILLINGS
NOT TO SCALE



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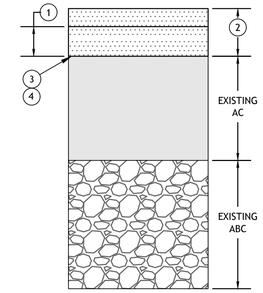
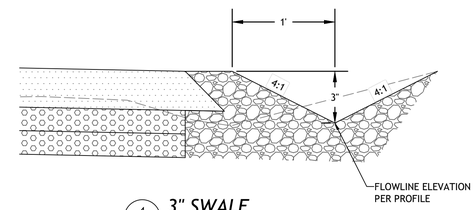
7 4" AC / 5"ABC
NOT TO SCALE



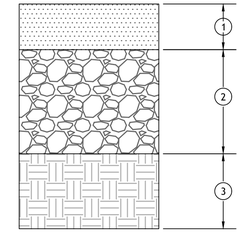
KEYNOTES

1 MILL 1.5" FROM TOP OF THE EXISTING PAVEMENT.
2 2.5" THICK ASPHALT, 3/4" MIX, PG 64-28TR+ PER SPECS.
3 BITUMINOUS TACK COAT ABOVE ALL MILLED SURFACES PER SPECS.
4 AFTER MILLING BEFORE PAVING: REPAIR AND SEAL CRACKS > 1.5" PER DETAIL E; REMOVE AND PATCH ASPHALT PER DETAIL C.

2 PAVEMENT SECTION FOR MILL & FILL
NOT TO SCALE



4 3" SWALE
NOT TO SCALE



KEYNOTES

1 3" ASPHALTIC CONCRETE; 3/4" MIX, PG 64-28TR+ PER SPECS.
2 5" RAP MILLINGS, 2" MINUS, MOISTURE CONDITION & 100% COMPACTION.
3 8" SUBGRADE PREPARATION PER MAG SPEC. 310, 95% COMPACTION.

6 3" AC / 5" RAP MILLINGS
NOT TO SCALE

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Contact Arizona 811 at least two full working days before you begin excavation
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Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

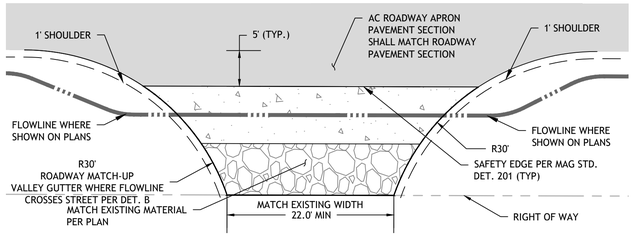
Peak ENGINEERING, INC.
Connecting Place to People
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

Certificate No. 44705 CALEB A. LANTING Date Signed 4/18/24 Registered Professional Engineer (Civil) ARIZONA, U.S.A.

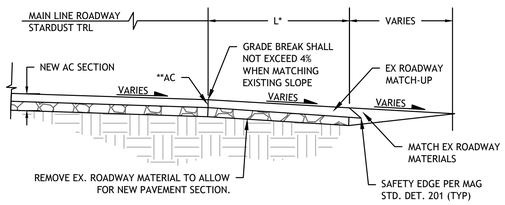
COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
DETAILS

BY: CBW/DCW
CHECKED: CAL
JOB NO: 23CC01
DATE: APRIL 2024

C1.2



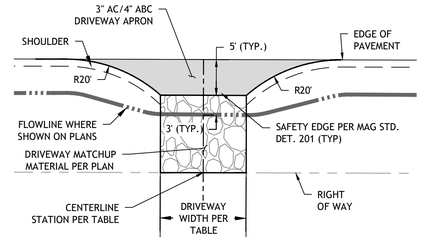
PLAN



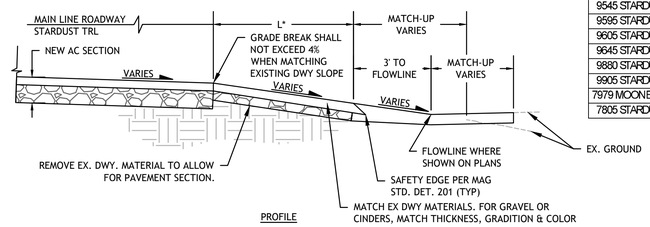
PROFILE

*NOTE 1: THE PAVEMENT APRON LENGTH SHALL BE 5'.

A CROSS STREET MATCHUP
NOT TO SCALE



PLAN

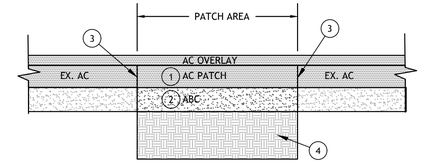


PROFILE

*NOTE 1: THE PAVEMENT APRON LENGTH SHALL BE 5'.

B RESIDENTIAL DRIVEWAY MATCHUP
NOT TO SCALE

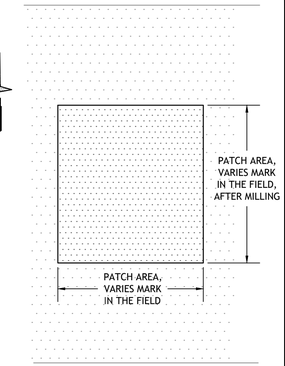
	DRIVEWAYS			
ADDRESS	STATION 1	DW 1 WIDTH (FT)	STATION 2	DW 2 WIDTH (FT)
9909 STARDUST	39+92.26	20		
9020 STARDUST	41+15.31	12		
9025 STARDUST	41+26.70	14		
9100 STARDUST	44+50.89	63		
9145 STARDUST	46+65.66	12		
9200 STARDUST	48+73.62	12	49+76.48	12
9255 STARDUST	53+03.59	22		
9300 STARDUST	53+87.84	20		
9365 STARDUST	56+59.25	12		
9330 STARDUST	56+81.39	12		
9400 STARDUST	59+48.55	12		
9465 STARDUST	60+62.23	12		
9475 STARDUST	61+20.22	12		
9420 STARDUST	61+49.98	12	62+15.67	12
9485 STARDUST	63+04.85	12		
9450 STARDUST	63+60.72	12	64+16.63	12
9545 STARDUST	66+51.24	12	68+14.44	12
9595 STARDUST	69+23.45	14		
9605 STARDUST	70+38.29	16	71+07.13	20
9645 STARDUST	71+84.19	20	72+60.45	20
9880 STARDUST	85+13.16	12		
9905 STARDUST	86+79.23	12		
7979 MOONBEAM	89+17.44	12		
7805 STARDUST	89+97.14	40	90+87.23	74



PAVEMENT PATCH SECTION

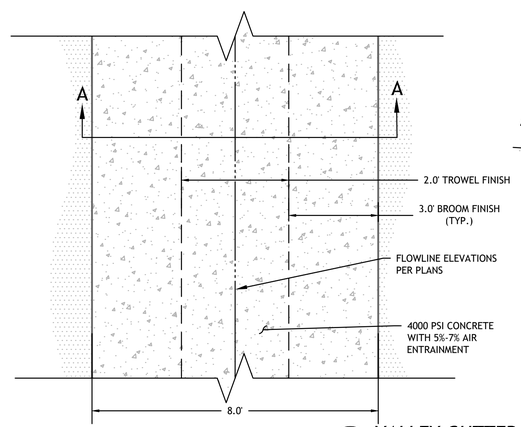
NOTES:
REFER TO SECTION 4.4.3 OF THE REPORT ON PAVEMENT INVESTIGATION PREPARED BY SPEEDIE AND ASSOCIATES, PROJECT NO. 220184SF DATED SEPTEMBER 6, 2022 FOR SPECIFIC REQUIREMENTS.

KEYNOTES:
1 ASPHALTIC CONCRETE, 3/4" MIX PG 64-28.
2 EXCAVATE AS MUCH ABC AS REQUIRED TO REACH FIRM SUPPORT. REPLACE ABC 100% COMPACTION PER MAG SPEC. 310.
3 APPLY BITUMINUOUS TACK COAT TO ALL ADJOINING SURFACES OF THE EXISTING ASPHALT CONCRETE.
4 8" SUBGRADE PREPARATION PER MAG SPEC. 301, 95% COMPACTION.



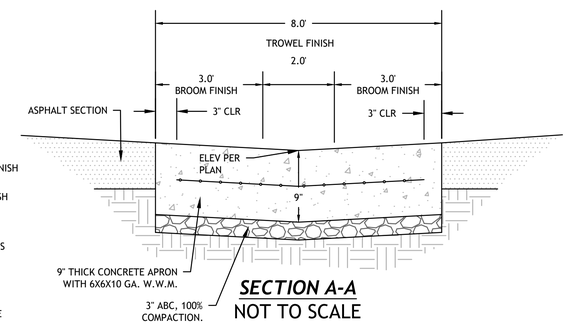
PAVEMENT PATCH

C ASPHALT PATCH AREA
NOT TO SCALE

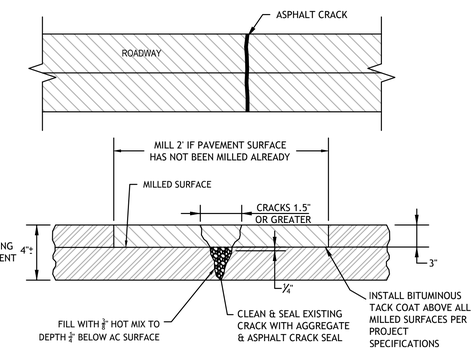


8-FT VALLEY GUTTER

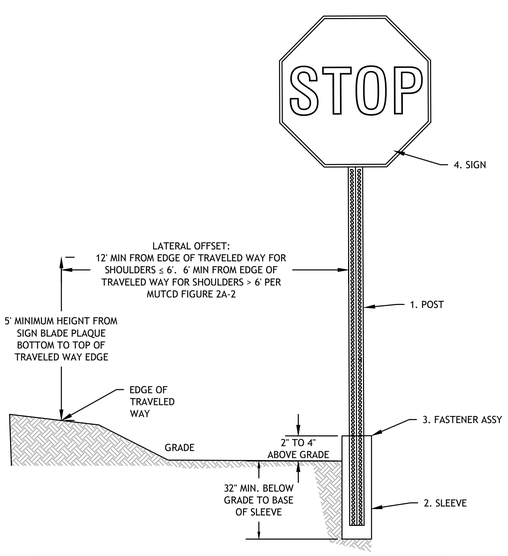
D VALLEY GUTTER DETAIL
NOT TO SCALE



SECTION A-A
NOT TO SCALE

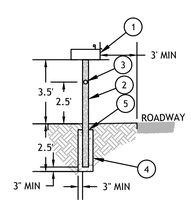


E TYPICAL SELECTIVE CRACK REPAIR SECTION
NOT TO SCALE



ITEM	DESCRIPTION
1	POST, PRE-FORMED SQUARE 1-3/4" X 1-3/4" X 12GA X 12'0" NOMINAL LENGTH.
2	SLEEVE, 2" X 2" X 12GA X 36" LONG.
3	FASTENER ASSY: 3/8-16 UNC X 3" LONG CADMIUM PLATED HEX HEAD BOLT WITH LOCKING NUT AND FLAT WASHERS. INSTALL PERPENDICULAR TO MAJOR OR CRITICAL TRAFFIC FLOW.
4	SIGN BLADE - SIZE AND TYPE TO BE SPECIFIED ON PLAN SHEET. TYPE 2 OBJECT MARKER SIGN SHOWN AS EXAMPLE. SIGN TO MEET MUTCD STANDARDS.

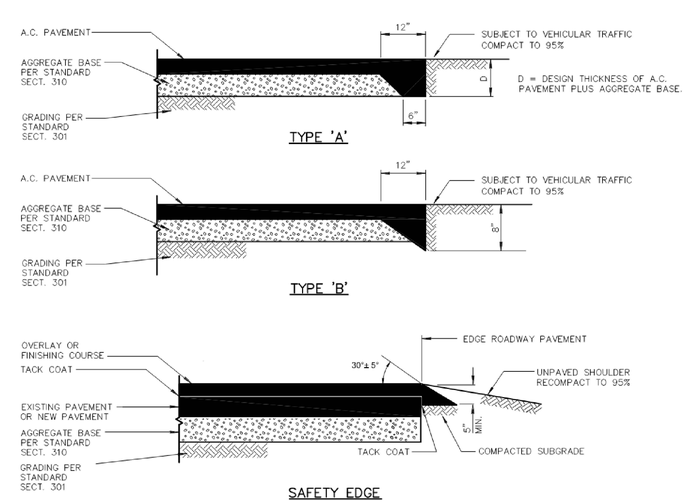
F SIGN AND POST
NOT TO SCALE



SECTION A-A'

KEYNOTES:
1. STANDARD MAILBOX & MOUNTING HARDWARE. MAILBOX INCLUDES ADDRESS NUMBER ON BOTH SIDES OF THE MAIL BOX. SET FACE AT LEAST 3' BEHIND EDGE OF PAVEMENT. APPROX. DIMENSIONS: D20"xH9"xW7". COLOR: BLACK
2. 4"x4" PRESSURE TREATED DOUGLAS FIR POST OR APPROVED EQUAL.
3. 3" SAFETY REFLECTOR, SCREW MOUNT, BOTH SIDES. COLOR: RED
4. EMBED POST IN CLASS A CONCRETE
5. 3" LANDSCAPE GRAVEL ON WEED BARRIER FABRIC.

H MAILBOX POST
NOT TO SCALE



DETAIL NO.		STANDARD DETAIL		DATE	DETAIL NO.
201	MARICOPA ASSOCIATION of GOVERNMENTS	ENGLISH	ASPHALT PAVEMENT EDGE DETAILS	01-01-2014	201

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

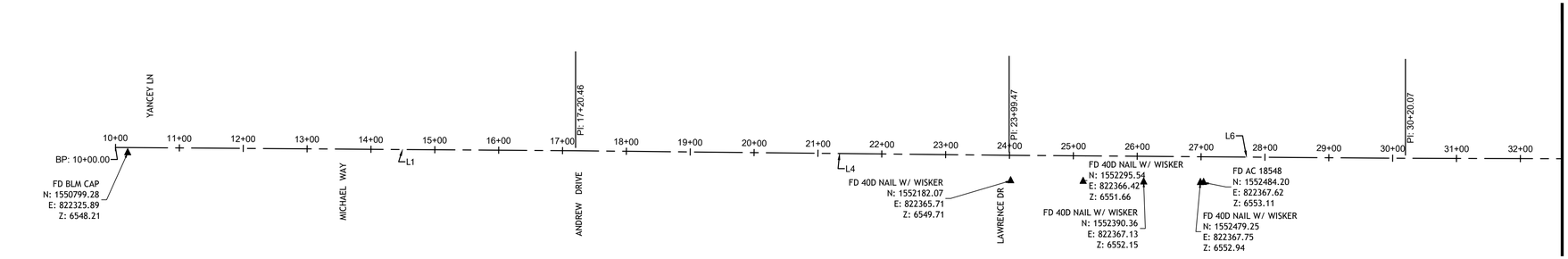
Registered Professional Engineer (Civil) 44705 CALVIN B. LANTING Date Signed 4/18/24 ARIZONA U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
DETAILS

BY: CBW/DCW
CHECKED: CAL
JOB NO: 23CC01
DATE: APRIL 2024

C1.3

PLAN VIEW
SCALE 1" = 100'



COORDINATE SYSTEM DETAILS
PROJECT TOPOGRAPHIC SURVEY WAS PROVIDED BY NORTHLAND EXPLORATION SURVEY, JULY 2022.

A NOTE ON BASIS OF BEARING AND COORDINATE SYSTEM:

LINEAR UNIT: INTERNATIONAL FOOT
GEODETIC DATUM: NORTH AMERICAN DATUM 1983
SYSTEM: ARIZONA STATE PLANE COORDINATE (SPCS 83 AZ C, 202)

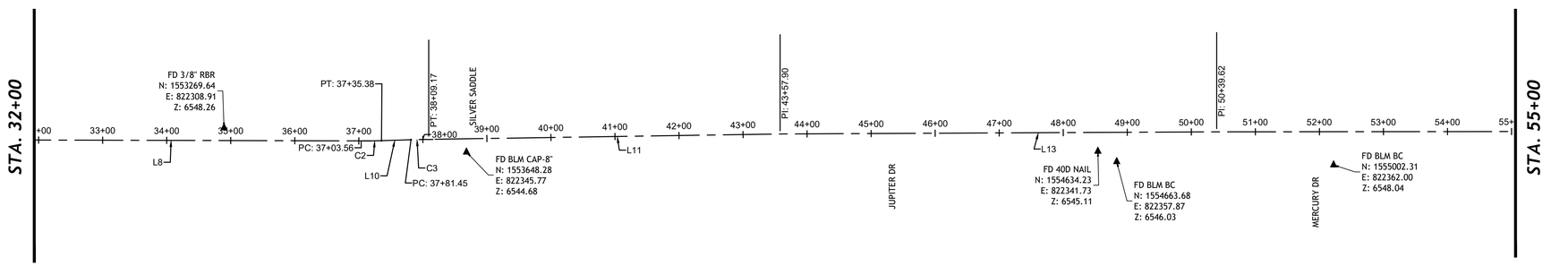
PROJECTION: TRANSVERSE MERCATOR
LATITUDE OF GRID ORIGIN: 31° 00' 00" N
LONGITUDE OF CENTRAL MERIDIAN: 111° 55' 00" W
NORTHING AT GRID ORIGIN: 0.000 FT
EASTING AT CENTRAL MERIDIAN: 700,000.000 FT.
CENTRAL MERIDIAN SCALE FACTOR: 0.9999 (EXACT)

ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.

THE BASIS OF BEARINGS IS GEODETIC NORTH BASED ON GPS MEASUREMENTS. THESE BEARINGS HAVE BEEN ROTATED TO GRID FOR THE ARIZONA CENTRAL STATE PLANE ZONE. ALL BEARINGS AND DISTANCES SHOWN ON THIS MAP ARE GRID PER THE PRECEDING DEFINITION.

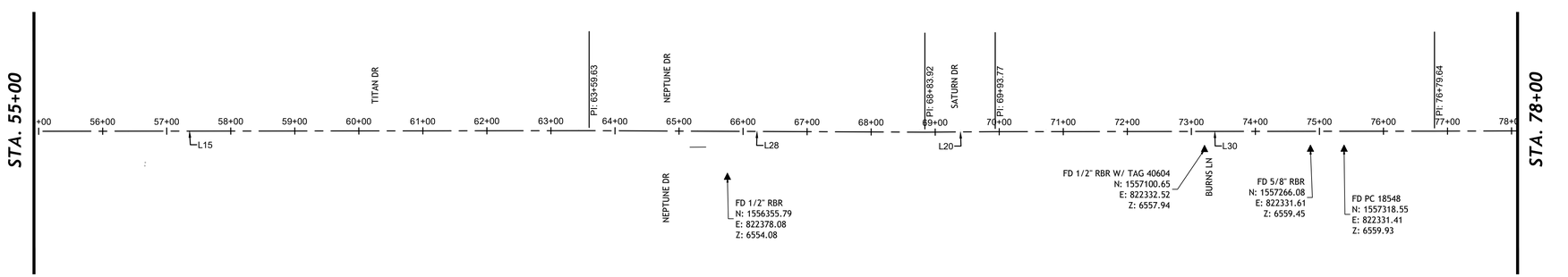
DATUM: THE MAIN BENCHMARK IS A REBAR IN A HANDHOLE DENOTED AS "DP-2", HAVING AN ELEVATION OF 6,571.74' AND THE DATUM IS NAVD88. INFORMATION RECEIVED FROM COCONINO COUNTY PUBLIC WORKS .

PLAN VIEW
SCALE 1" = 100'



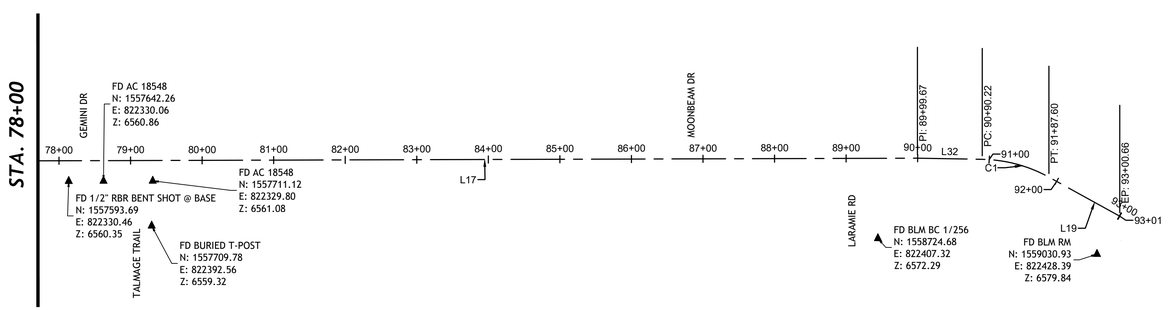
LINE DATA				
SEGMENT	BEARING	LENGTH	START	END
L1	N00° 14' 35.15"E	720.46	(1550780.20,822317.67)	(1551500.65,822320.73)
L4	N00° 26' 28.45"E	679.01	(1551500.65,822320.73)	(1552179.64,822325.96)
L6	N00° 16' 13.45"E	620.60	(1552179.64,822325.96)	(1552800.23,822328.89)
L8	N00° 00' 38.98"W	683.49	(1552800.23,822328.89)	(1553483.73,822328.76)
L10	N01° 50' 02.51"W	46.06	(1553515.54,822328.25)	(1553561.58,822326.77)
L11	N01° 02' 23.18"W	548.73	(1553589.30,822326.08)	(1554137.94,822316.12)
L13	N00° 26' 31.76"W	681.72	(1554137.94,822316.12)	(1554819.64,822310.86)
L15	N00° 13' 21.73"W	1320.01	(1554819.64,822310.86)	(1556139.64,822305.73)
L17	N00° 19' 58.96"W	1320.02	(1557459.64,822302.74)	(1558779.64,822295.07)
L19	N28° 43' 41.04"E	113.07	(1558963.41,822320.98)	(1559062.56,822375.32)
L20	N00° 33' 36.48"W	109.85	(1556663.93,822306.61)	(1556773.77,822305.53)
L28	N00° 05' 46.41"E	524.29	(1556139.64,822305.73)	(1556663.93,822306.61)
L30	N00° 14' 01.02"W	685.87	(1556773.77,822305.53)	(1557459.64,822302.74)
L32	N00° 49' 57.21"E	90.55	(1558779.64,822295.07)	(1558870.18,822296.38)

PLAN VIEW
SCALE 1" = 100'



CURVE DATA					
CURVE	DELTA	RADIUS	LENGTH	CHORD	TANGENT
C1	N14° 46' 49.13"E	200.00	97.37	96.41	49.67
C2	N00° 55' 20.75"W	1000.00	31.82	31.82	15.91
C3	N01° 26' 12.84"W	2000.00	27.72	27.72	13.86

PLAN VIEW
SCALE 1" = 100'



SURVEY MONUMENTS

1. CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY MONUMENTS AND PROPERTY CORNERS. ANY MONUMENTS AND/OR CORNERS WHICH ARE DISTURBED OR DISPLACED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESET BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER NOR THE ENGINEER. THE LOCATION OF THESE MONUMENTS SHALL BE ESTABLISHED BY A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF ARIZONA.

2. SURVEY MONUMENTS MUST BE PRESERVED IN THEIR ORIGINAL POSITIONS. THESE MONUMENTS INCLUDE, BUT ARE NOT LIMITED TO, SECTIONAL CORNERS, RIGHT-OF-WAY, AND CENTERLINE MONUMENTS AS WELL AS GEODETIC CONTROL MONUMENTS ESTABLISHED BY THE NGS, USC&GS, USGS, ADOT AND COCONINO COUNTY. ANY SURVEY MONUMENTS DISTURBED DURING THE EXECUTION OF THE PERMIT SHALL BE REPLACED IMMEDIATELY AT NO COST TO THE COUNTY (REFER TO DTL G, DWG NO DT02). THE RELEVANT STANDARDS AND PROCEDURES ESTABLISHED BY THE ARIZONA STATE OF TECHNICAL REGISTRATION, ARIZONA REVISED STATUTES, THE US DEPARTMENT OF THE INTERIOR'S MANUAL OF INSTRUCTIONS FOR THE SURVEY OF PUBLIC LANDS, THE NATIONAL GEODETIC SURVEY AND COCONINO COUNTY'S POLICY WILL BE ADHERED TO WHEN RE--SETTING SURVEY MONUMENTS. THE PERMITEE SHALL MARK AND INSPECT MONUMENTS FOR DAMAGE PRIOR TO ANY PERMITTED WORK. THE PERMITEE SHALL NOTIFY THE COUNTY IMMEDIATELY UPON DISCOVERY OF OR DAMAGE TO ANY SURVEY MONUMENTS. IF EXISTING DAMAGE IS FOUND THE PERMITEE SHALL CONTACT THE COUNTY IMMEDIATELY TO ELIMINATE LIABILITY.

3. NO JOB WILL BE CONSIDERED COMPLETE BY THE COUNTY UNTIL ALL SURVEY MONUMENTS ARE INSTALLED AND STAMPED.

GRAPHIC SCALE 1" = 100'
100 0 100 200 300

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

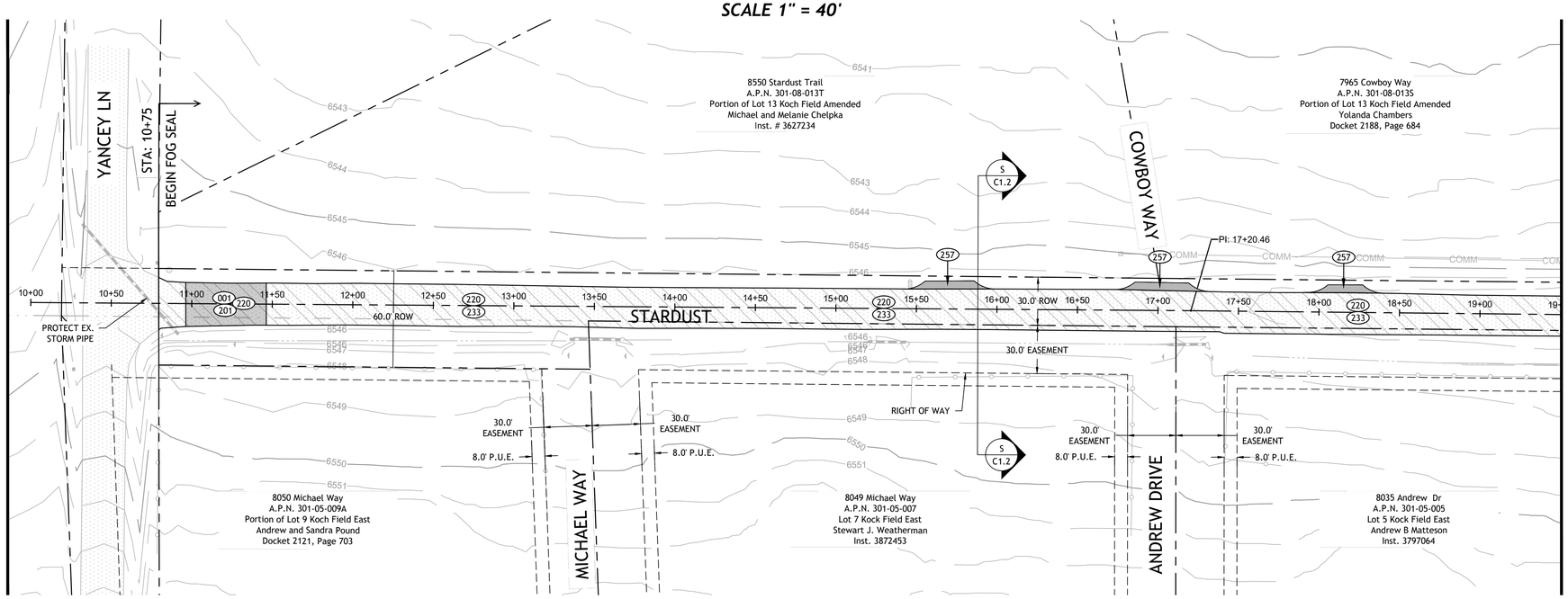
Registered Professional Engineer (Civil) CERTIFICATE NO. 41705 CALEB A. LANTIS Date Signed 4/9/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
HORIZONTAL CONTROL

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

HC1.0

PLAN VIEW
SCALE 1" = 40'



CONSTRUCTION NOTES

REMOVALS (000)

001 148 SY
Sawcut and remove asphalt.

NEW CONSTRUCTION (200)

201 148 SY
4" AC / 2" New ABC / 3" Ex. ABC per Detail 1, Sheet C1.2. Match existing roadway width and slope. Free edges include Type B pavement edge and milling shoulder build up. Locations are shown approximate, mark location in the field for approval for approval by Coconino County.

220 2,473 SY
Fog seal per typical sections Sheet C1.2.

233 2,474 SY (ALLOWANCE)
Prior to fog sealing, seal cracks between 1/4" -1.5" per MAG Spec. 337.

257 3 EA
Millings driveway apron, 5' deep x driveway width, 95% compaction.

N

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

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ARIZONA811
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REVISION	DESCRIPTION	DATE

Peak ENGINEERING, INC.
Connecting Place to People
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

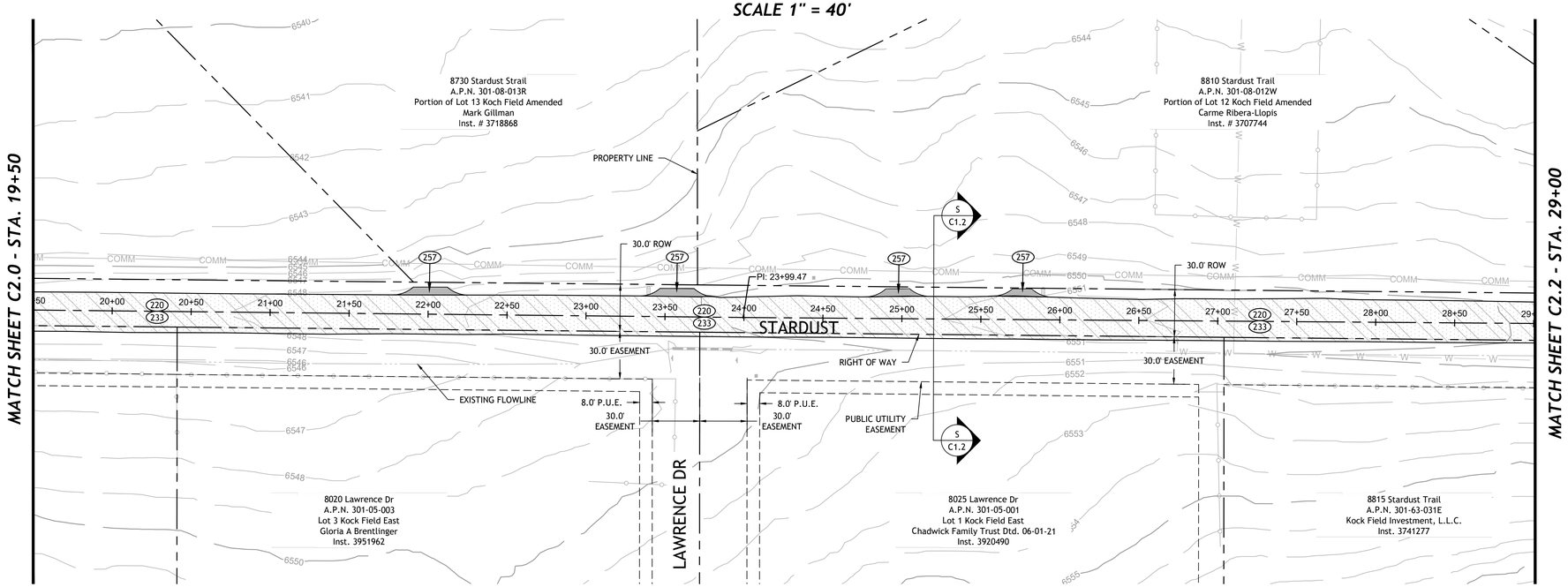
Certificate No. 44705 Caleb A. Lanting Date Signed 4/18/24 Registered Professional Engineer (Civil) ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
PLAN & PROFILE STA: 10+00 TO 19+50

JOB NO: 23CC01
BY: CBW/DCW
DATE: APRIL 2024
CHECKED: CAL

C2.0

PLAN VIEW
SCALE 1" = 40'



CONSTRUCTION NOTES

NEW CONSTRUCTION (200)

220 2,720 SY
Fog seal per typical sections Sheet C1.2.

233 2,720 SY (ALLOWANCE)
Prior to fog sealing, seal cracks between 1/4" -1.5" per MAG Spec. 337.

257 4 EA
Millings driveway apron, 5' deep x driveway width, 95% compaction.

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

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ARIZONA811
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REVISION	DESCRIPTION	DATE

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Connecting Place to People
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Flagstaff, AZ 86001
(928) 774-4046

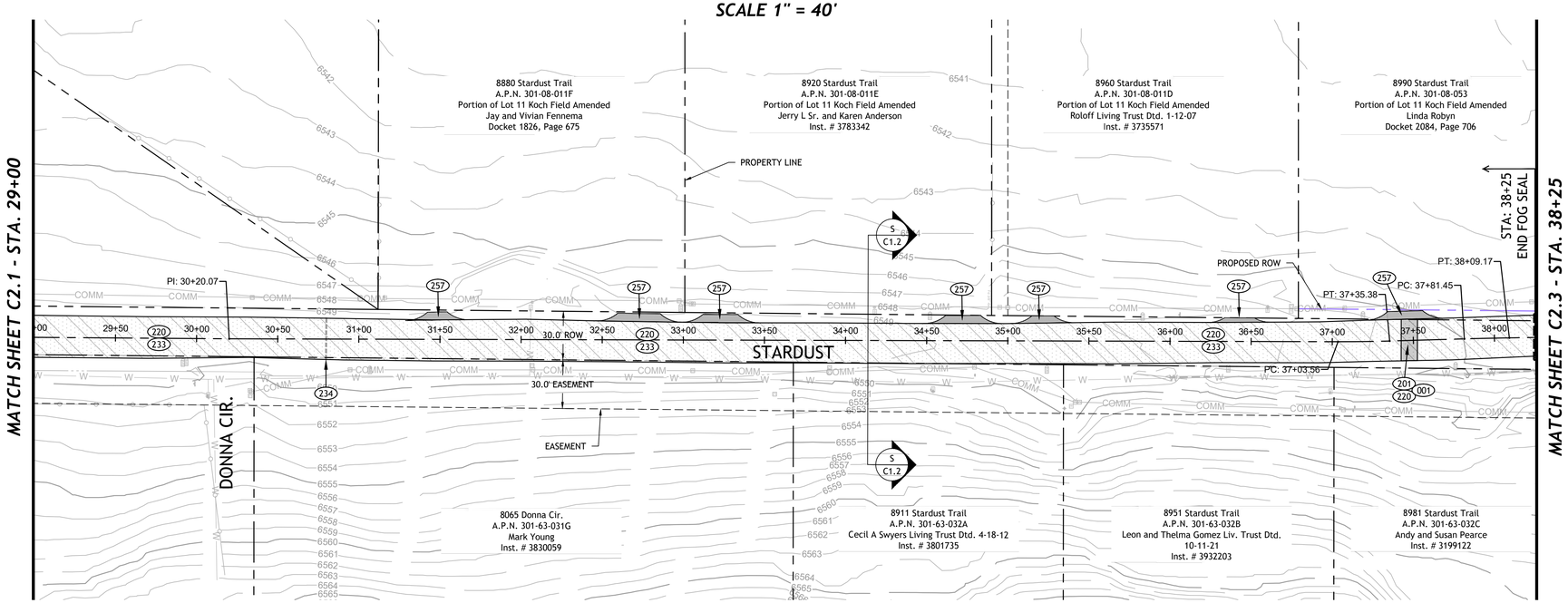
Certificate No. 44705 Caleb A. Lanting Date Signed 4/18/24 Registered Professional Engineer (Civil) Arizona, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
PLAN & PROFILE STA:
19+50 TO 29+00

C2.1

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

PLAN VIEW
SCALE 1" = 40'



CONSTRUCTION NOTES

REMOVALS (000)

001 29 SY
Sawcut and remove asphalt.

NEW CONSTRUCTION (200)

201 29 SY
4" AC / 2" New ABC / 3" Ex. ABC per Detail 1, Sheet C1.2. Match existing roadway width and slope. Free edges include Type B pavement edge and milling shoulder build up. Locations are shown approximate, mark location in the field for approval for approval by Coconino County.

220 2,590 SY
Fog seal per typical sections Sheet C1.2.

233 2,591 SY (ALLOWANCE)
Prior to fog sealing, seal cracks between 1/4" -1.5" per MAG Spec. 337.

234 20 LF (ALLOWANCE)
Prior to fog sealing, mill and fill cracks between ≥1.5" per Detail E, Sheet C1.3.

257 7 EA
Millings driveway apron, 5' deep x driveway width, 95% compaction.

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

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ARIZONA811
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REVISION	DESCRIPTION	DATE

Peak ENGINEERING, INC.
Connecting Place to People
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

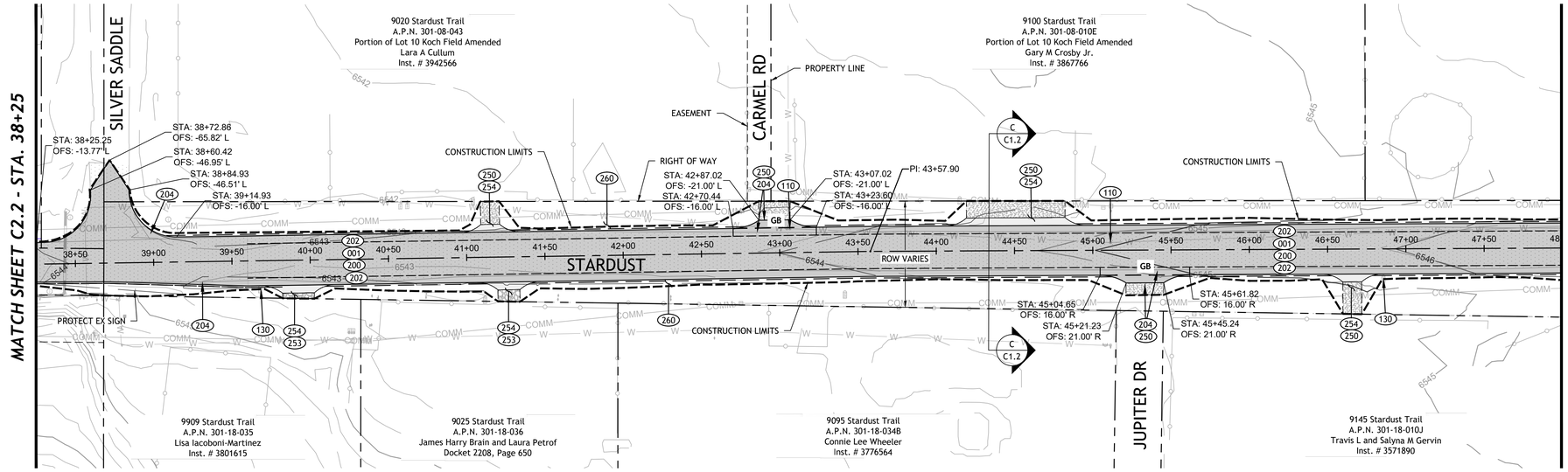
Certificate No. 44705 Caleb A. Lanting Date Signed 4/19/24 Registered Professional Engineer (Civil) Arizona, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
PLAN & PROFILE STA: 29+00 TO 38+25

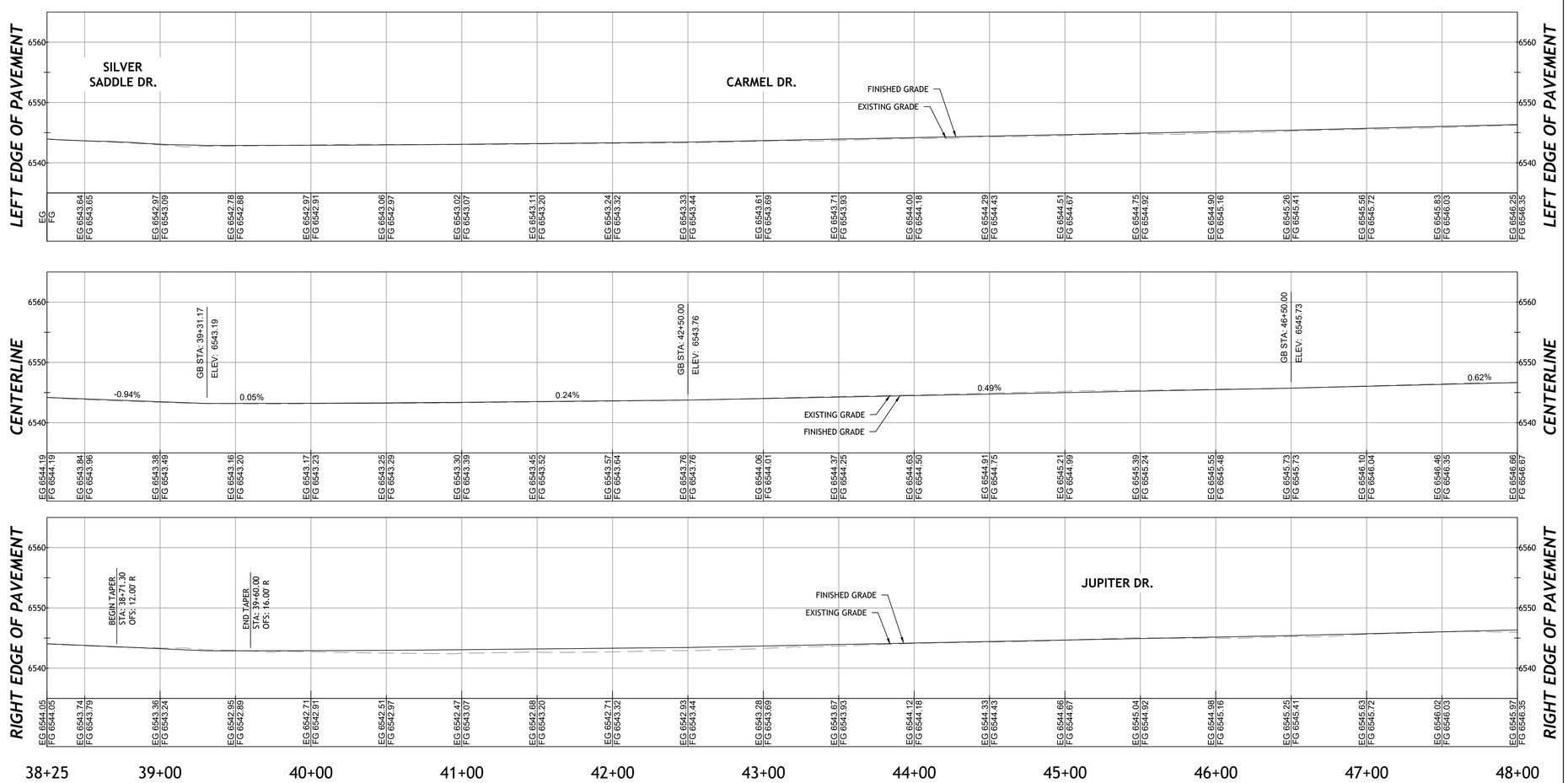
C2.2

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

PLAN VIEW
SCALE 1" = 40'



PROFILE VIEW
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



CONSTRUCTION NOTES

REMOVALS (000)

001 3,020 SY
Sawcut and remove asphalt.

ADJUSTMENTS (100)

110 4 EA
Adjust valve box & cover to finished grade per COF Engineering Detail 9-03-060 and 9-03-062.

130 2 EA
Remove & replace with new, or reset existing mailbox, in kind, on new footing per Detail H, Sheet C1.3. Contractor shall coordinate with resident prior to removal to determine if existing mailbox should be replaced or reset. Provide documentation of resident's preference to Coconino County.

NEW CONSTRUCTION (200)

200 2,636 SY
4" AC / 2" New ABC / 3" Ex. ABC per Detail 1, Sheet C1.2 and typical sections Sheet C1.2. Cross street match up per Detail A, Sheet C1.3. Includes subgrade preparation, Safety edge and shoulder build up at free edges.

202 872 SY
4" AC / 5" RAP millings per Detail 5, Sheet C1.2. Cross street match up per Detail A, Sheet C1.3. Includes subgrade preparation, Type B pavement edge and shoulder build up at free edges.

204 98 SY
4" AC / 5" ABC per Detail 7, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges. At side streets, pavement section shall extend to edge of lane.

250 169 SY
Dirt/dirty cinder roadway/driveway match-up per Special Provisions.

253 20 SY
Gravel roadway/driveway match-up. Match existing thickness, gradation and color.

254 91 SY
3" AC /4" ABC OR 4" Millings driveway match-up per Detail 3, Sheet C1.2 and Detail B, Sheet C1.3.

260 0.4 ACRES
Hydroseed disturbed areas and match-up slope with Coconino County native seed mix per Special Provisions.

GRAPHIC SCALE
40 0 40 80 120
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

FINAL 1

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ARIZONA811
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REVISION	DESCRIPTION	DATE

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Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

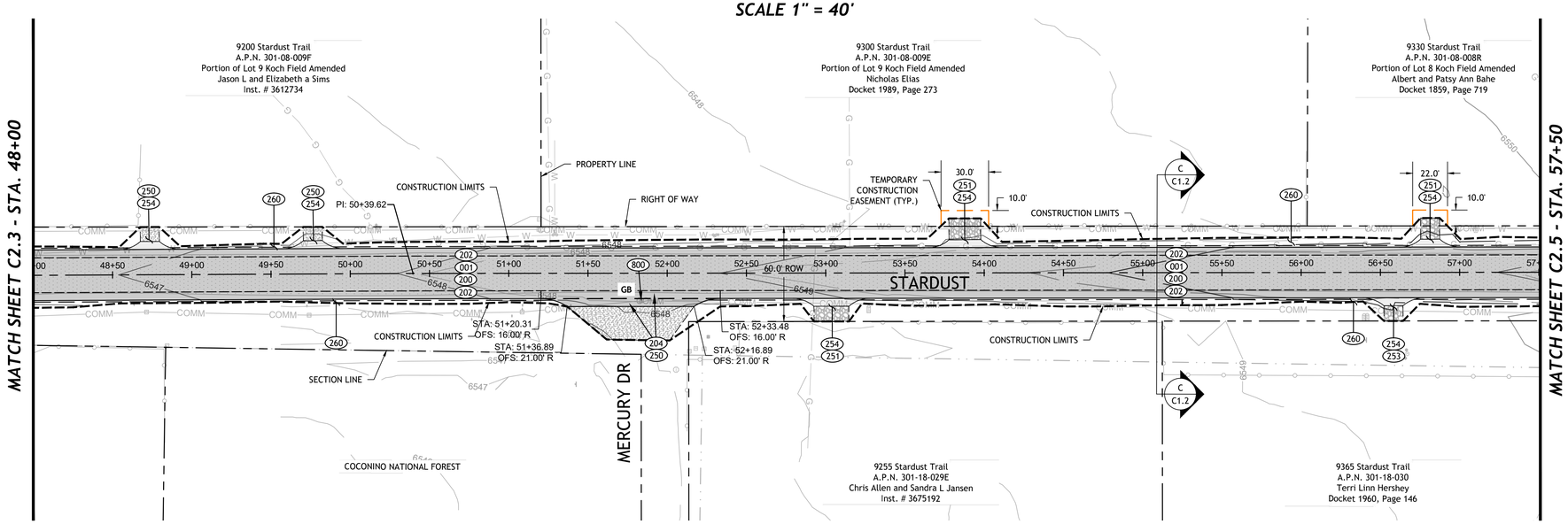
Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CALEB A. LANTER Date Signed 4/19/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
PLAN & PROFILE STA:
38+25 TO 48+00

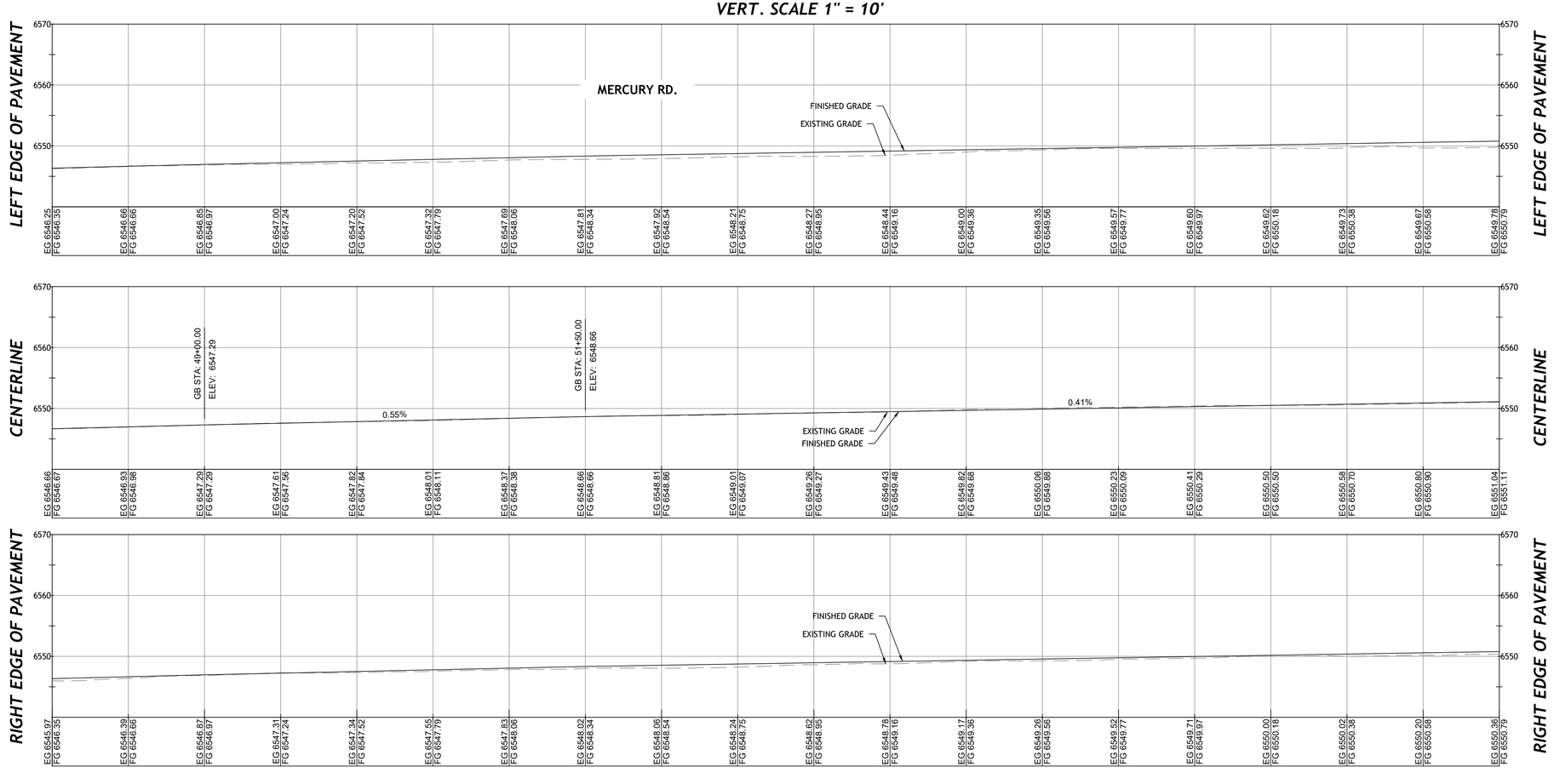
JOB NO: 23CC01 | BY: CBW/DCW
DATE: APRIL 2024 | CHECKED: CAL

C2.3

PLAN VIEW
SCALE 1" = 40'



PROFILE VIEW
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



CONSTRUCTION NOTES

REMOVALS (000)

001 2,600 SY
Sawcut and remove asphalt.

NEW CONSTRUCTION (200)

200 2,323 SY
4" AC / 2" New ABC / 3" Ex. ABC per Detail 1, Sheet C1.2 and typical sections Sheet C1.2. Cross street match up per Detail A, Sheet C1.3. Includes subgrade preparation, Safety edge and shoulder build up at free edges.

202 993 SY
4" AC / 5" RAP millings per Detail 5, Sheet C1.2. Cross street match up per Detail A, Sheet C1.3. Includes subgrade preparation, Type B pavement edge and shoulder build up at free edges.

204 113 SY
4" AC / 5" ABC per Detail 7, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges. At side streets, pavement section shall extend to edge of lane.

250 165 SY
Dirt/dirty cinder roadway/driveway match-up per Special Provisions.

251 71 SY
Cinder driveway match-up per Special Provisions.

253 13 SY
Gravel roadway/driveway match-up. Match existing thickness, gradation and color.

254 78 SY
3" AC /4" ABC OR 4" Millings driveway match-up per Detail 3, Sheet C1.2 and Detail B, Sheet C1.3.

260 0.4 ACRES
Hydroseed disturbed areas and match-up slope with Coconino County native seed mix per Special Provisions.

COORDINATION (800)

800 NPI
Coordinate relocation of, and new location of utility pull box with Lumen (Rodney McKee, 801.494.3607). Relocation of utility box is the responsibility of the utility.

GRAPHIC SCALE
40 0 40 80 120
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

Peak ENGINEERING, INC.
Connecting Place to People
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

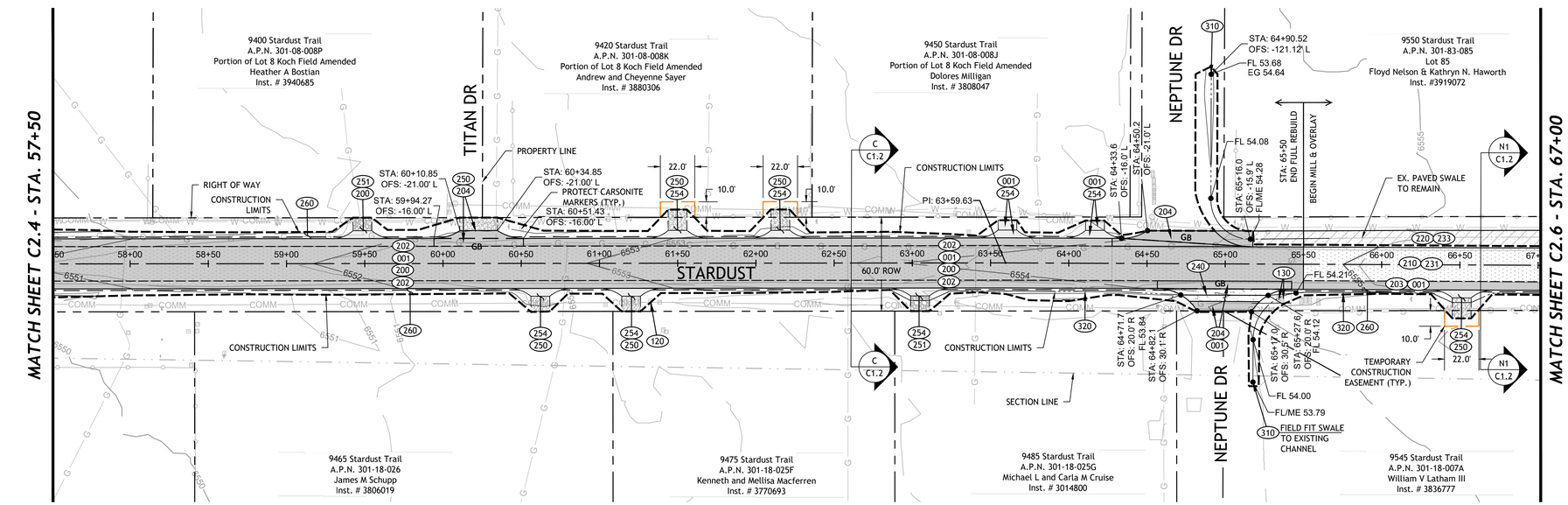
Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CALEB A. LANTING Date Signed 4/18/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
PLAN & PROFILE STA: 48+00 TO 57+50

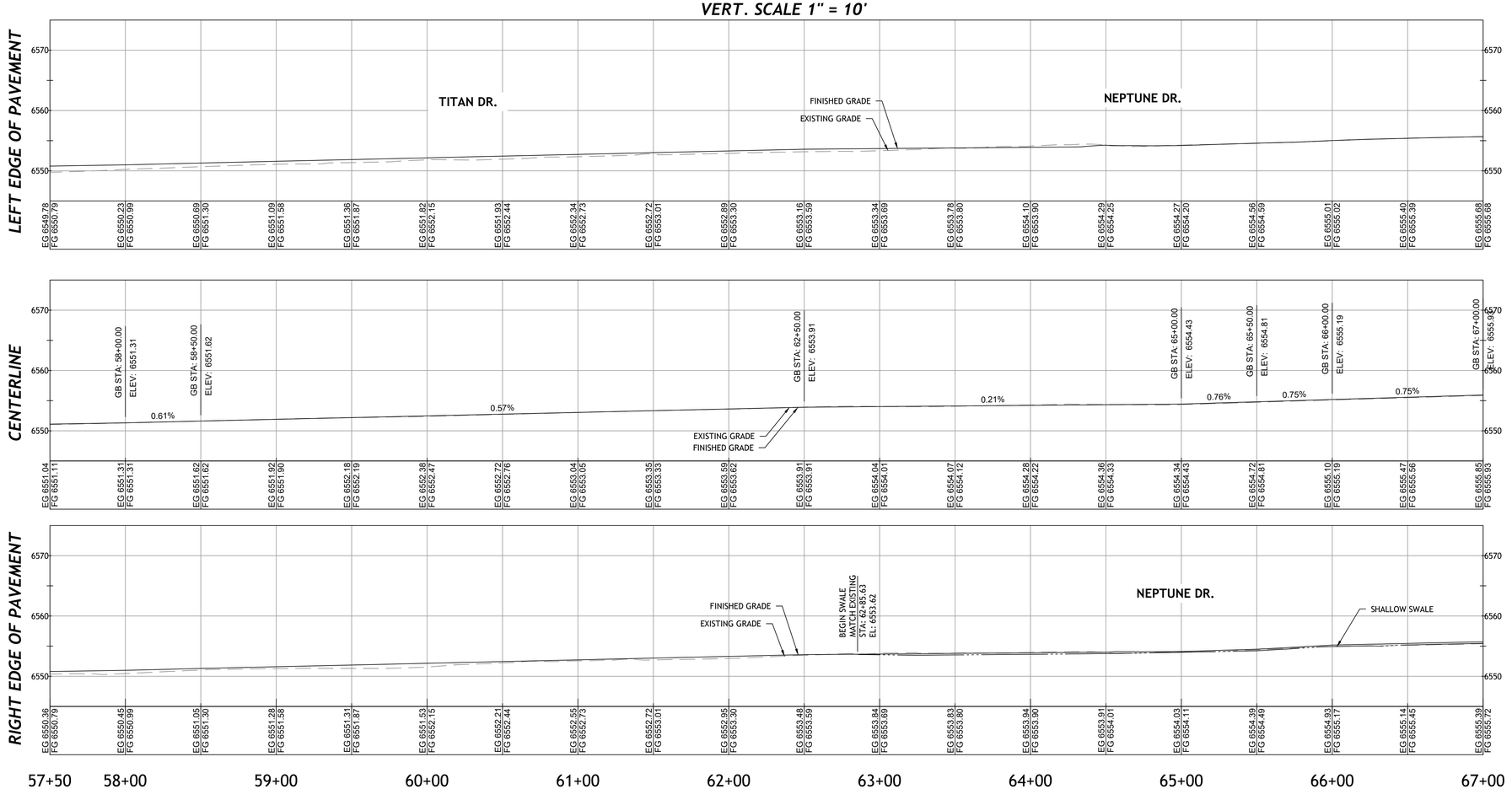
JOB NO: 23CO01
BY: CBW/DCW
DATE: APRIL 2024
CHECKED: CAL

C2.4

PLAN VIEW
SCALE 1" = 40'



PROFILE VIEW
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



CONSTRUCTION NOTES

REMOVALS (000)

001 2,131 SY
Sawcut and remove asphalt.

ADJUSTMENTS (100)

120 1 EA
Adjust water meter box to finished grade per Doney Park Water requirements.

130 2 EA
Remove & replace with new, or reset existing mailbox, in kind, on new footing per Detail H, Sheet C1.3. Contractor shall coordinate with resident prior to removal to determine if existing mailbox should be replaced or reset. Provide documentation of resident's preference to Coconino County.

NEW CONSTRUCTION (200)

200 1,969 SY
4" AC / 2" New ABC / 3" Ex. ABC per Detail 1, Sheet C1.2 and typical sections Sheet C1.2. Cross street match up per Detail A, Sheet C1.3. Includes subgrade preparation, Safety edge and shoulder build up at free edges.

202 737 SY
4" AC / 5" RAP millings per Detail 5, Sheet C1.2. Cross street match up per Detail A, Sheet C1.3. Includes subgrade preparation, Type B pavement edge and shoulder build up at free edges.

203 92 SY
3" AC / 5" RAP millings per Detail 6, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges.

204 216 SY
4" AC / 5" ABC per Detail 7, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges. At side streets, pavement section shall extend to edge of lane.

210 358 SY
1.5" Mill with 2.5" overlay per Detail 2, Sheet C1.2 and typical sections Sheet C1.2.

220 218 SY
Fog seal per typical sections Sheet C1.2.

231 40 LF (ALLOWANCE)
After milling and before paving, fill & repair cracks ≥1.5" per Detail E, Sheet C1.3.

233 218 SY (ALLOWANCE)
Prior to fog sealing, seal cracks between 1/4" -1.5" per MAG Spec. 337.

240 463 SF
8' wide concrete valley gutter per Detail D, Sheet C1.3.

250 101 SY
Dirt/dirty cinder roadway/driveway match-up per Special Provisions.

251 25 SY
Cinder driveway match-up per Special Provisions.

254 120 SY
3" AC /4" ABC OR 4" Millings driveway match-up per Detail 3, Sheet C1.2 and Detail B, Sheet C1.3.

260 0.4 ACRES
Hydroseed disturbed areas and match-up slope with Coconino County native seed mix per Special Provisions.

STORMWATER (300)

310
Grade to drain.

320 560 LF
Grade 3" swale per Detail 4, Sheet C1.2.

GRAPHIC SCALE
40 0 40 80 120
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

DATE	DESCRIPTION	REVISION

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

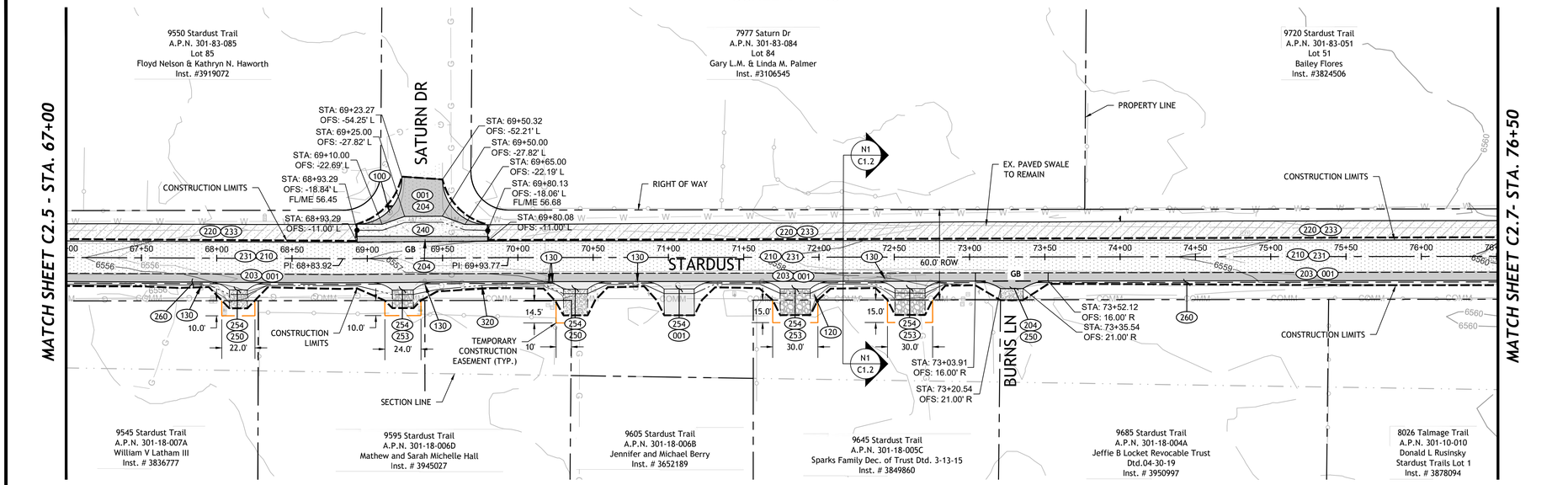
Registered Professional Engineer (Civil)
CERTIFICATE NO. 44705
CALEB A. LANTER
Date Signed 4/19/24
ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
PLAN & PROFILE STA:
57+50 TO 67+00

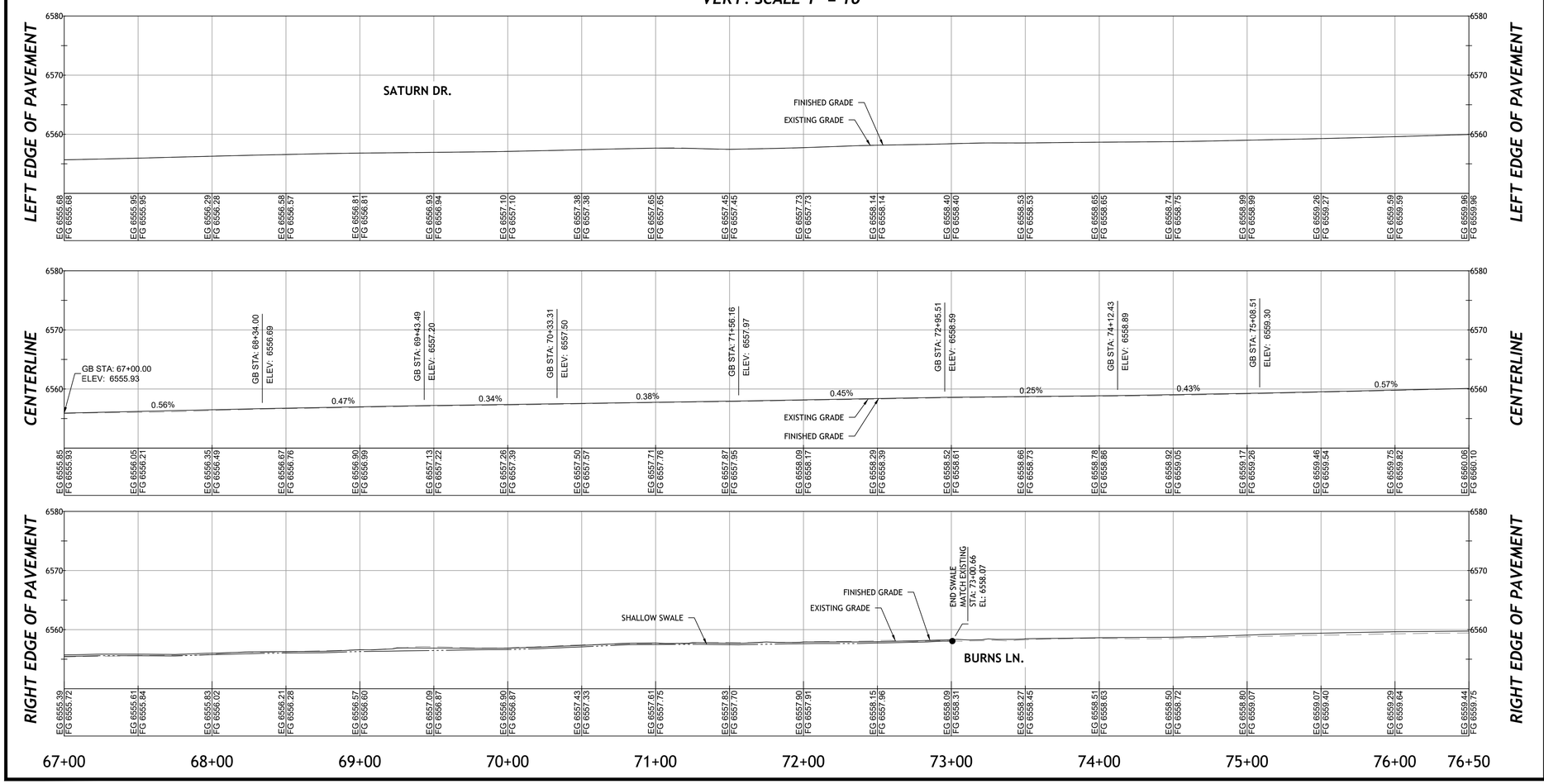
JOB NO: 23CC01
BY: CBW/DCW
CHECKED: CAL
DATE: APRIL 2024

C2.5

PLAN VIEW
SCALE 1" = 40'



PROFILE VIEW
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



CONSTRUCTION NOTES

REMOVALS (000)

001 215 SY
Sawcut and remove asphalt.

ADJUSTMENTS (100)

100 1 EA
Remove and salvage existing sign (salvage ex. sign for re-installation; dispose of ex. post and footing) on new post and footing per Detail F, Sheet C1.3.

120 1 EA
Adjust water meter box to finished grade per Doney Park Water requirements.

130 6 EA
Remove & replace with new, or reset existing mailbox, in kind, on new footing per Detail H, Sheet C1.3. Contractor shall coordinate with resident prior to removal to determine if existing mailbox should be replaced or reset. Provide documentation of resident's preference to Coconino County.

NEW CONSTRUCTION (200)

203 552 SY
3" AC / 5" RAP millings per Detail 6, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges.

204 189 SY
4" AC / 5" ABC per Detail 7, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges. At side streets, pavement section shall extend to edge of lane.

210 2,270 SY
1.5" Mill with 2.5" overlay per Detail 2, Sheet C1.2 and typical sections Sheet C1.2.

220 1,150 SY
Fog seal per typical sections Sheet C1.2.

231 60 SY (ALLOWANCE)
After milling and before paving, repair cracks ≥1.5" per Detail E, Sheet C1.3.

233 1,150 SY (ALLOWANCE)
Prior to fog sealing, seal cracks between 1/4" -1.5" per MAG Spec. 337.

240 909 SF
8' wide concrete valley gutter per Detail D, Sheet C1.3.

250 60 SY
Dirt/dirty cinder roadway/driveway match-up per Special Provisions.

253 96 SY
Gravel roadway/driveway match-up. Match existing thickness, gradation and color.

254 124 SY
3" AC /4" ABC OR 4" Millings driveway match-up per Detail 3, Sheet C1.2 and Detail B, Sheet C1.3.

260 0.2 ACRES
Hydroseed disturbed areas and match-up slope with Coconino County native seed mix per Special Provisions.

STORMWATER (300)

320 615 LF
Grade 3" swale per Detail 4, Sheet C1.2.

GRAPHIC SCALE
40 0 40 80 120
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

Peak ENGINEERING, INC.
Connecting Place to People
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

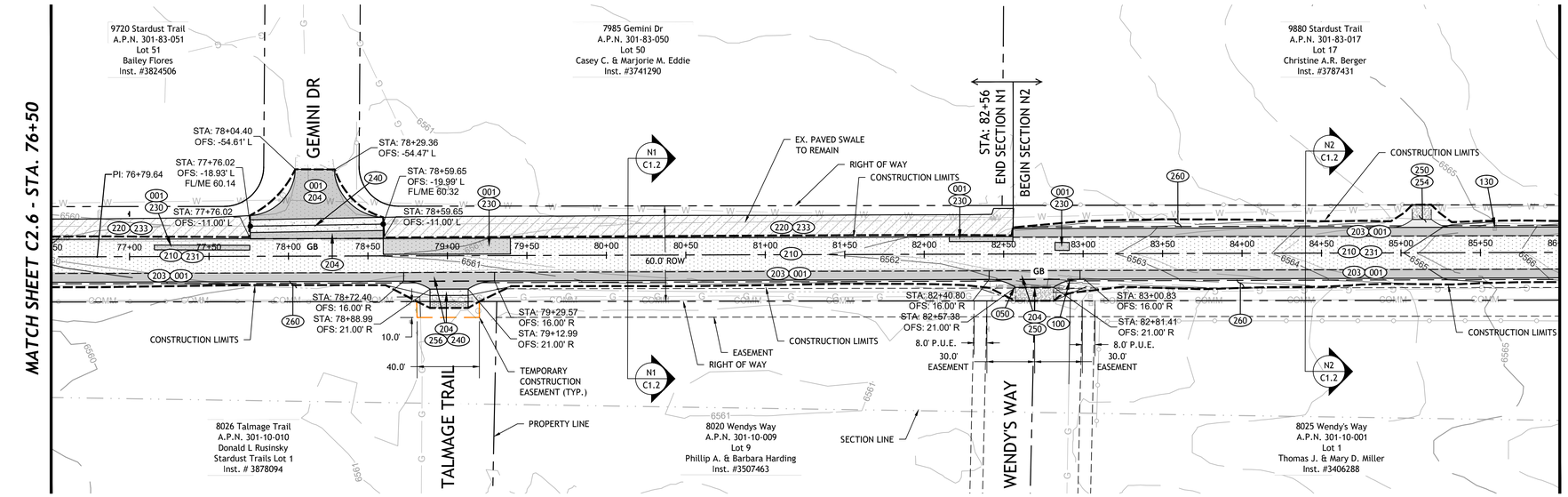
Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CALEB A. LANTING Date Signed 4/18/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
PLAN & PROFILE STA:
67+00 TO 76+50

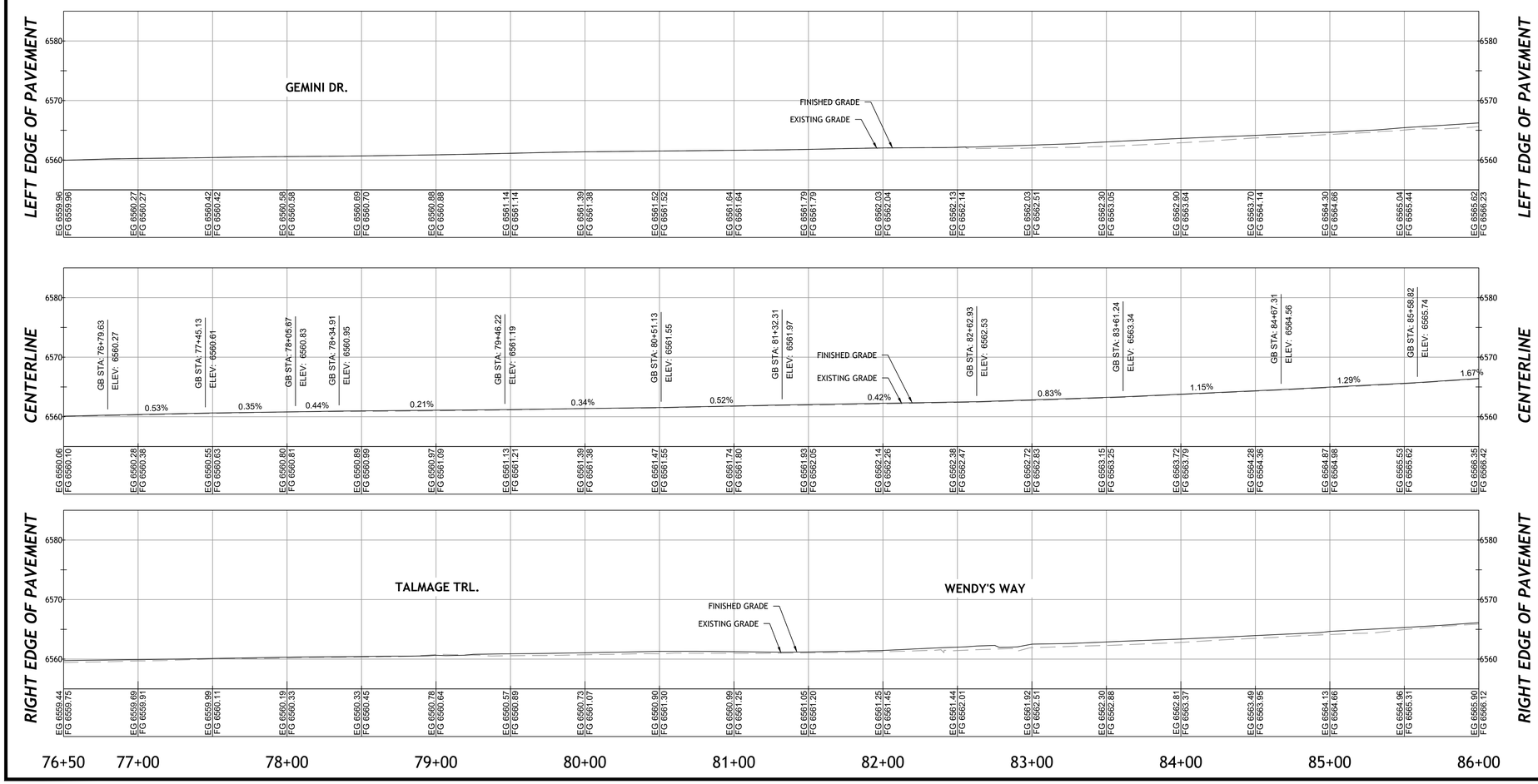
JOB NO: 23CC01
BY: CBW/DCW
DATE: APRIL 2024
CHECKED: CAL

C2.6

PLAN VIEW
SCALE 1" = 40'



PROFILE VIEW
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



CONSTRUCTION NOTES

REMOVALS (000)

001 366 SY
Sawcut and remove asphalt.

050 1 EA
Remove & dispose / salvage culvert. Driveway culvert is the property of the homeowner or neighborhood association. Contractor shall coordinate with homeowner / neighborhood association and salvage culvert to owner if requested; otherwise dispose.

ADJUSTMENTS (100)

100 1 EA
Remove and salvage existing sign (salvage ex. sign for re-installation; dispose of ex. post and footing) on new post and footing per Detail F, Sheet C1.3.

130 1 EA
Remove & replace with new, or reset existing mailbox, in kind, on new footing per Detail H, Sheet C1.3. Contractor shall coordinate with resident prior to removal to determine if existing mailbox should be replaced or reset. Provide documentation of resident's preference to Coconino County.

NEW CONSTRUCTION (200)

203 722 SY
3" AC / 5" RAP millings per Detail 6, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges.

204 289 SY
4" AC / 5" ABC per Detail 7, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges. At side streets, pavement section shall extend to edge of lane.

210 2,240 SY
1.5" Mill with 2.5" overlay per Detail 2, Sheet C1.2 and typical sections Sheet C1.2.

220 800 SY
Fog seal per typical sections Sheet C1.2.

230 154 SY (ALLOWANCE)
After milling and before paving, remove and replace asphalt patch areas per Detail C, Sheet C1.3. Locations and quantities shown are approximate, determine and mark areas to be patched for approval by Coconino County.

231 80 SY (ALLOWANCE)
After milling and before paving, repair cracks ≥1.5" per Detail E, Sheet C1.3.

233 799 SY (ALLOWANCE)
Prior to fog sealing, seal cracks between 1/4" -1.5" per MAG Spec. 337.

240 873 SF
8' wide concrete valley gutter per Detail D, Sheet C1.3.

250 35 SY
Dirt/dirty cinder roadway/driveway match-up per Special Provisions.

254 12 SY
3" AC /4" ABC OR 4" Millings driveway match-up per Detail 3, Sheet C1.2 and Detail B, Sheet C1.3.

256 11 SY
6" thick ABC roadway/driveway match-up.

260 0.3 ACRES
Hydroseed disturbed areas and match-up slope with Coconino County native seed mix per Special Provisions.

GRAPHIC SCALE
40 0 40 80 120
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

DATE	DESCRIPTION	REVISION

Peak ENGINEERING, INC.
Connecting Place to People
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

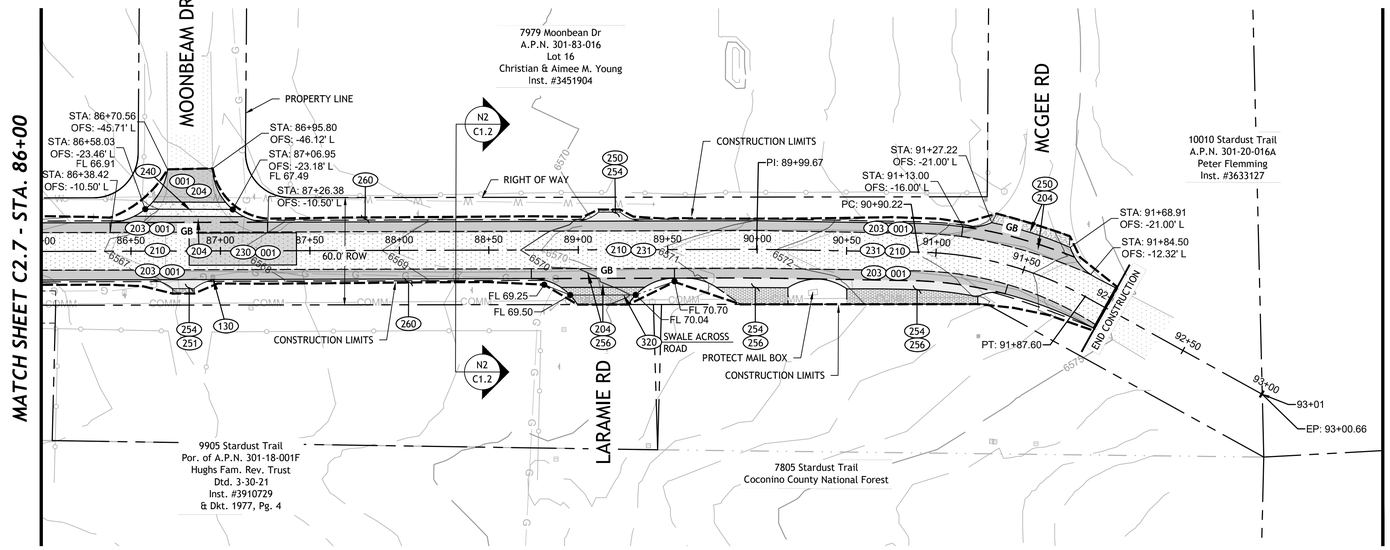
Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CALEB A. LANTING Date Signed 4/18/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
PLAN & PROFILE STA:
76+50 TO 86+00

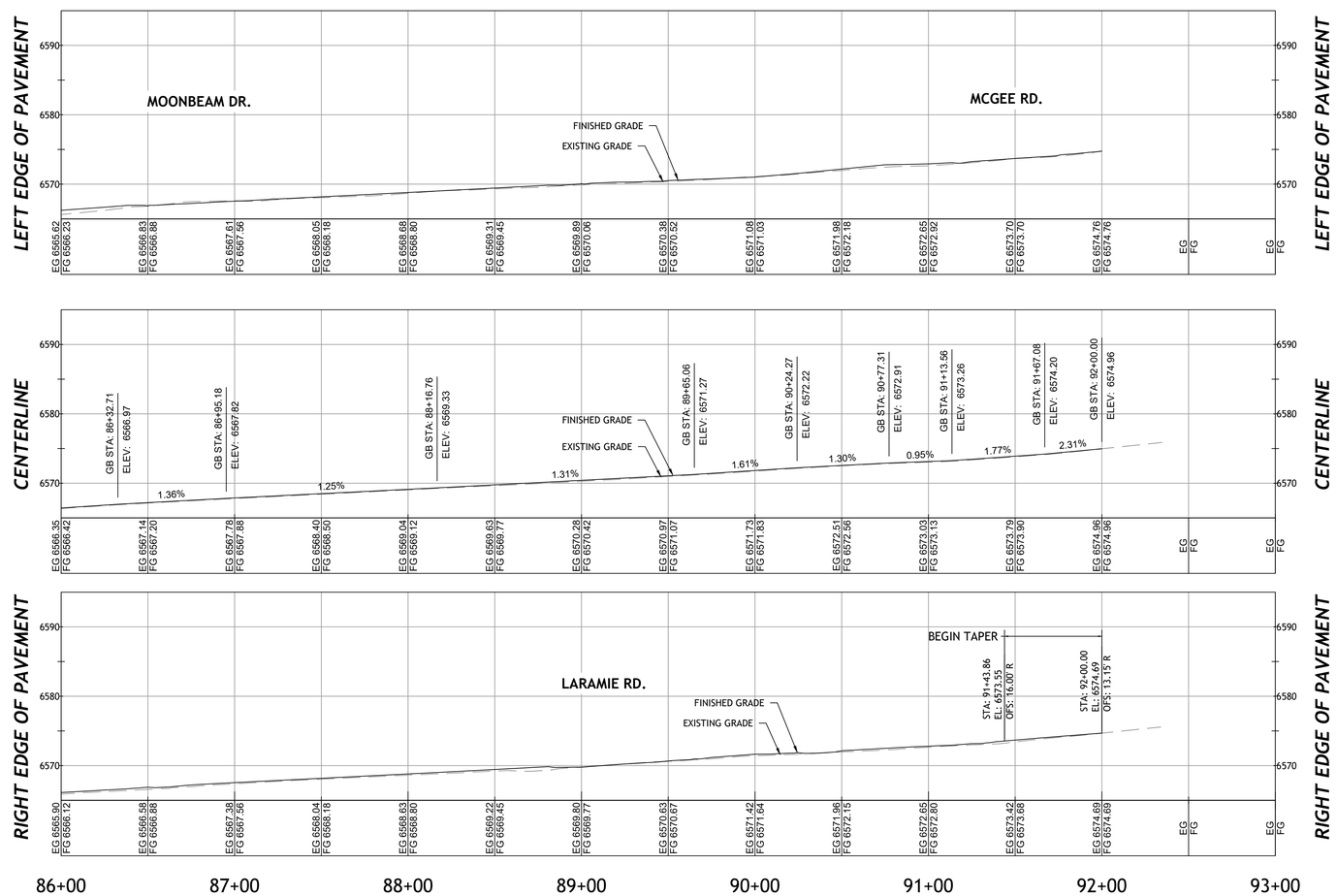
C2.7

JOB NO: 23CO01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

PLAN VIEW
SCALE 1" = 40'



PROFILE VIEW
HORIZ. SCALE 1" = 40'
VERT. SCALE 1" = 10'



CONSTRUCTION NOTES

REMOVALS (000)

001 270 SY
Sawcut and remove asphalt.

ADJUSTMENTS (100)

130 1 EA
Remove & replace with new, or reset existing mailbox, in kind, on new footing per Detail H, Sheet C1.3. Contractor shall coordinate with resident prior to removal to determine if existing mailbox should be replaced or reset. Provide documentation of resident's preference to Coconino County.

NEW CONSTRUCTION (200)

203 566 SY
3" AC / 5" RAP millings per Detail 6, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges.

204 296 SY
4" AC / 5" ABC per Detail 7, Sheet C1.2. Includes subgrade preparation, pavement edge treatment and shoulder build up at free edges. At side streets, pavement section shall extend to edge of lane.

210 1,406 SY
1.5" Mill with 2.5" overlay per Detail 2, Sheet C1.2 and typical sections Sheet C1.2.

230 120 SY (ALLOWANCE)
After milling and before paving, remove and replace asphalt patch areas per Detail C, Sheet C1.3. Locations and quantities shown are approximate, determine and mark areas to be patched for approval by Coconino County.

231 580 SY (ALLOWANCE)
After milling and before paving, repair cracks ≥1.5" per Detail E, Sheet C1.3.

240 397 SF
8' wide concrete valley gutter per Detail D, Sheet C1.3.

250 27 SY
Dirt/dirty cinder roadway/driveway match-up per Special Provisions.

251 4 SY
Cinder driveway match-up per Special Provisions.

254 100 SY
3" AC /4" ABC OR 4" Millings driveway match-up per Detail 3, Sheet C1.2 and Detail B, Sheet C1.3.

256 136 SY
6" thick ABC roadway/driveway match-up.

260 0.3 ACRES
Hydroseed disturbed areas and match-up slope with Coconino County native seed mix per Special Provisions.

STORMWATER (300)

320 75 LF
Grade 3" swale per Detail 4, Sheet C1.2.

GRAPHIC SCALE
40 0 40 80 120
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 10'

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

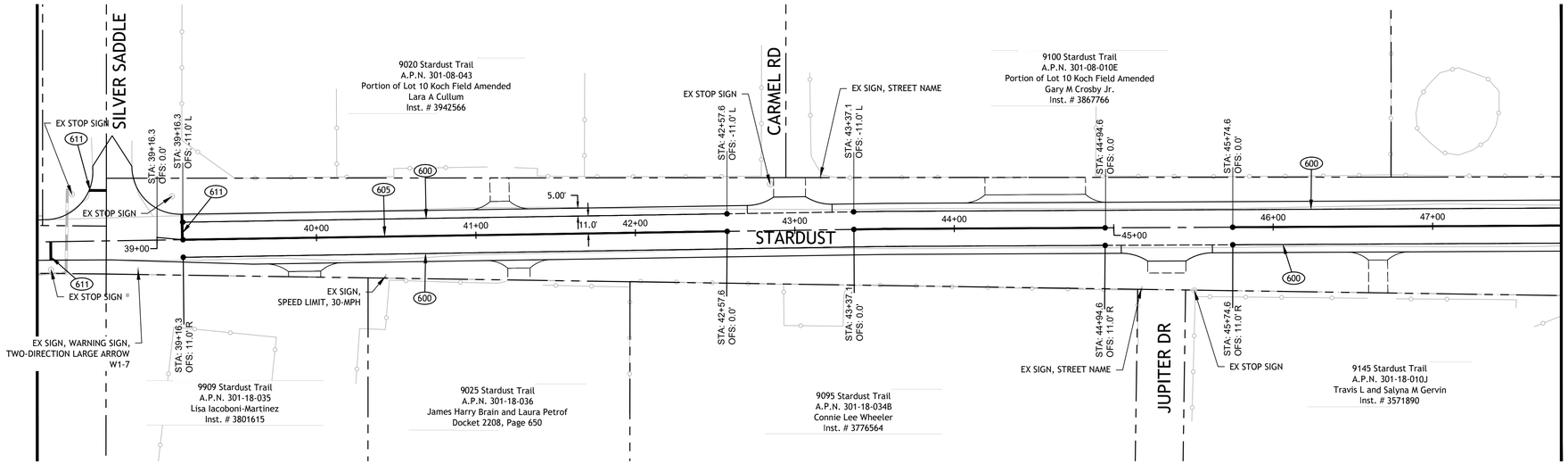
Registered Professional Engineer (Civil)
CERTIFICATE NO. 44705
CALVIN A. LANTING
Date Signed 4/19/24
ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
PLAN & PROFILE STA:
86+00 TO END

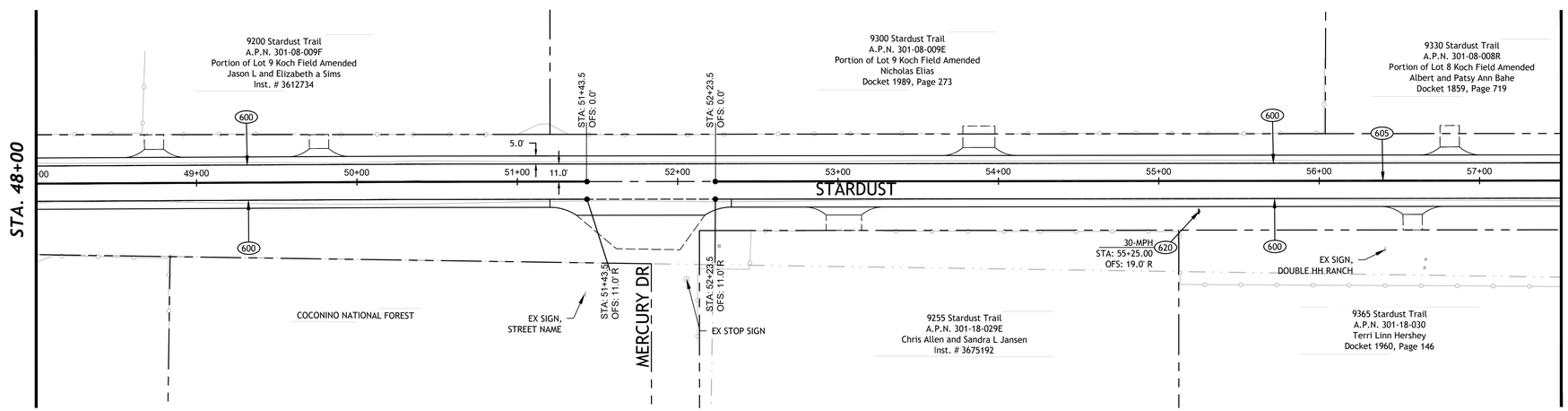
JOB NO: 23CC01
BY: CBW/DCW
DATE: APRIL 2024
CHECKED: CAL

C2.8

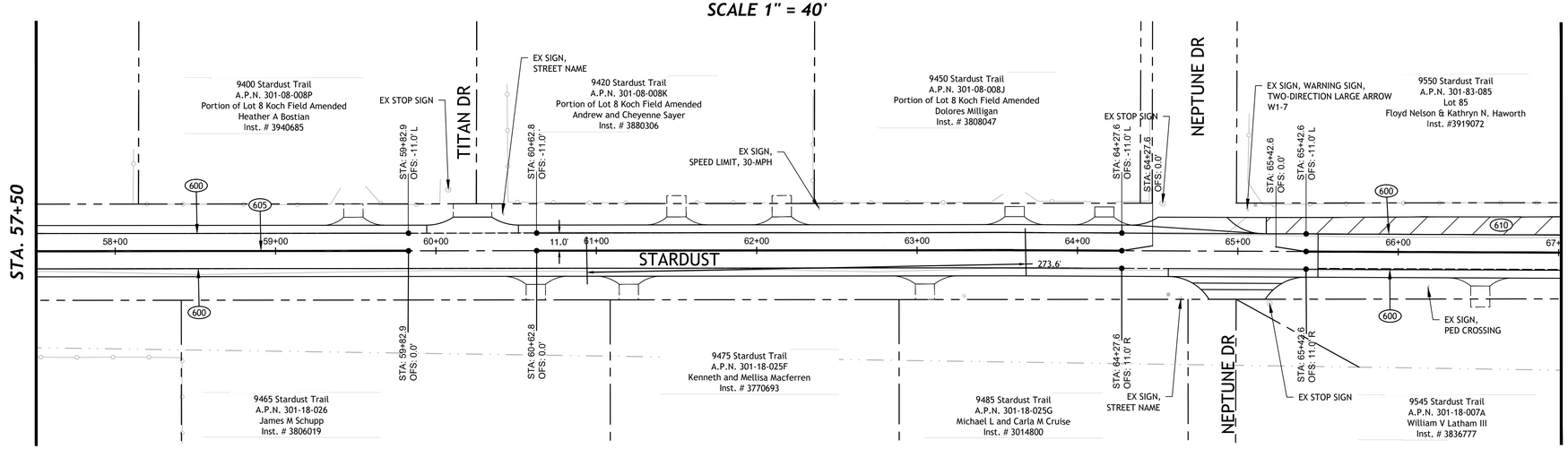
PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
SCALE 1" = 40'



CONSTRUCTION NOTES

STRIPING (600)

Note: Pavement markings shall be traffic paint per Special Provision 920.

600 5020 LF
4" solid white lane stripe per Special Provision 920.

605 2350 LF
4" double yellow centerline stripe with 6" gap per Special Provision 920.

610 1 LS
4" white cross-hatch stripe at 20' O.C per Special Provision 920.

611 3 EA
24" stop bar per Special Provision 920.

620 1 EA
Solar powered speed limit feedback sign (Solar Traffic Controls, Model 84DFBMORIQ1200). Installation includes: speed feedback sign with solar panel & battery; flashing beacon; 24" x 30" speed limit sign (R2-1, speed limit per plan); "Your Speed" sign (black text on yellow background, high intensity); post, base and footing. Speed feedback sign shall display vehicle speed, slow down message, and track and record traffic data; traffic statistics shall be available via Bluetooth wireless download to an Android or laptop device. Sign will have a 90-day circular data buffer for storage. Sign will be made in USA and the frame will be of heavy-duty aluminum construction. Install sign pole on 2.5" post (10-gauge galvanized steel) on a MASH-16 compliant slip base (Xcessories Squared Redi-Torque model 280 or approved equal), per ADOT Standard Drawing 5-2 with modified footing. The footing shall be 18" dia. x 48" deep concrete footing, concrete 3000 psi minimum. Sign mounting and installation per manufacturer's requirements. Wind speed per Coconino County design criteria: 115-mph ultimate design speed. Sign height and placement per MUTCD and Detail F, Sheet C1.3. Provide material submittal and shop drawings for approval. Confirm final sign location prior to installation.

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811 BLUE STAKE, INC.
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

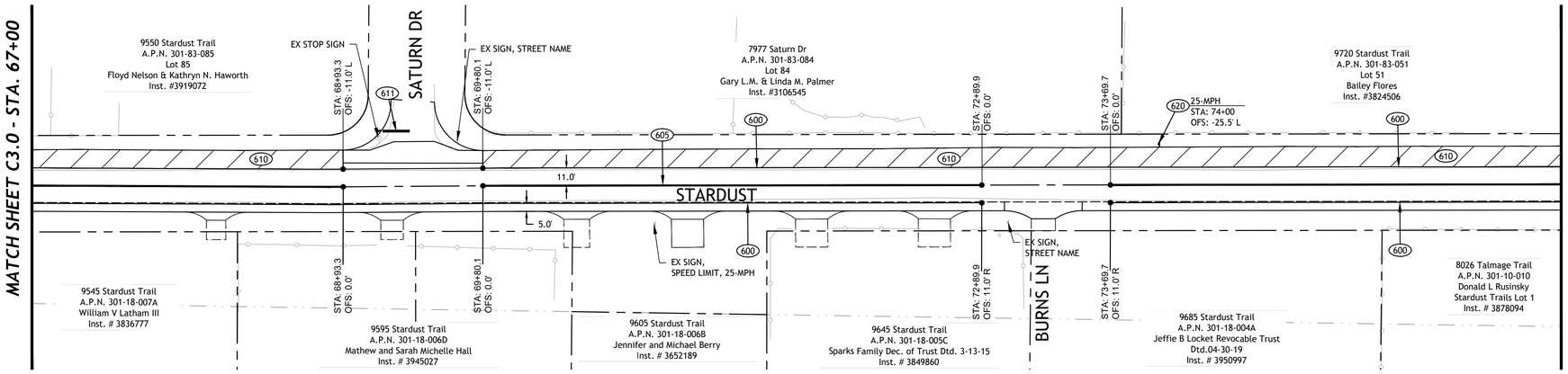
Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CHRISTOPHER A. LANTIS Date Signed 4/18/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING AND RECONSTRUCTION
STRIPING AND SIGNAGE

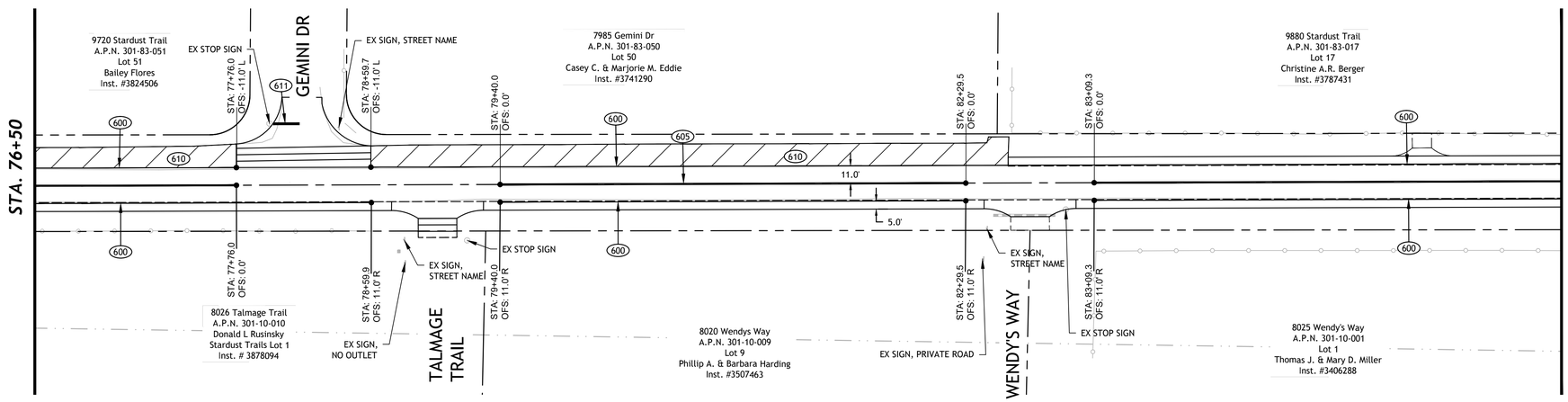
JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

C3.0

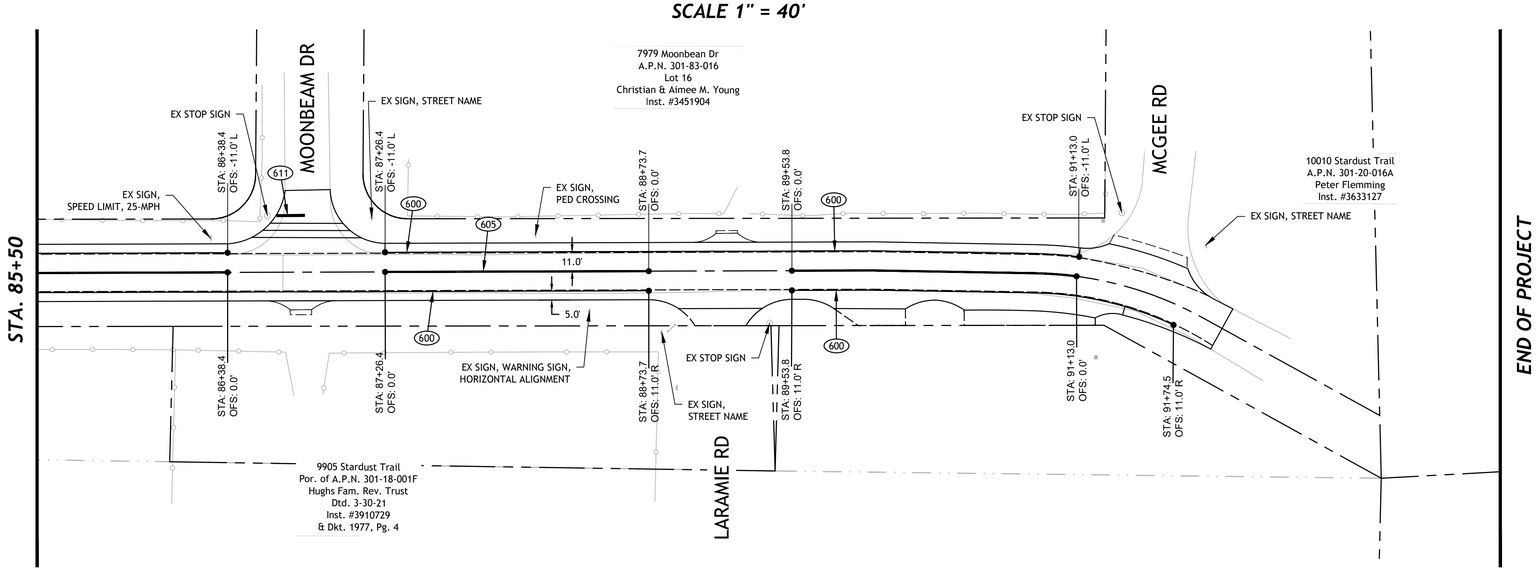
PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
SCALE 1" = 40'



CONSTRUCTION NOTES

STRIPING (600)

Note: Pavement markings shall be traffic paint per Special Provision 920.

600 4310 LF
4" solid white lane stripe per Special Provision 920.

605 1835 LF
4" double yellow centerline stripe with 6" gap per Special Provision 920.

610 1 LS
4" white cross-hatch stripe at 20' O.C per Special Provision 920.

611 3 EA
24" stop bar per Special Provision 920.

620 1 EA
Solar powered speed limit feedback sign (Solar Traffic Controls, Model 84DFBMORIQ1200). Installation includes: speed feedback sign with solar panel & battery; flashing beacon; 24" x 30" speed limit sign (R2-1, speed limit per plan); "Your Speed" sign (black text on yellow background, high intensity); post, base and footing. Speed feedback sign shall display vehicle speed, slow down message, and track and record traffic data; traffic statistics shall be available via Bluetooth wireless download to an Android or laptop device. Sign will have a 90-day circular data buffer for storage. Sign will be made in USA and the frame will be of heavy-duty aluminum construction. Install sign pole on 2.5" post (10-gauge galvanized steel) on a MASH-16 compliant slip base (Xcessories Squared Redi-Torque model 280 or approved equal), per ADOT Standard Drawing S-2 with modified footing. The footing shall be 18" dia. x 48" deep concrete footing, concrete 3000 psi minimum. Sign mounting and installation per manufacturer's requirements. Wind speed per Coconino County design criteria: 115-mph ultimate design speed. Sign height and placement per MUTCD and Detail F, Sheet C1.3. Provide material submittal and shop drawings for approval. Confirm final sign location prior to installation.

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

Professional Engineer (Civil) CERTIFICATE NO. 44776 CALEB A. LANTING Date Signed 4/18/24 ARIZONA U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
STRIPING AND SIGNAGE

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

C3.1

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL RECONSTRUCTION
EROSION CONTROL PLAN

FLAGSTAFF, AZ

T22N, R08E, NE CORNER OF SW QUARTER SECTION OF SECTION 23

SWPPP GENERAL NOTES:

A copy of the approved plans for this project, together with this Storm Water Pollution Prevention Plan (SWPPP), shall be maintained on the site and available for review. Those elements on the roadway plan, which are pertinent to or referenced by the SWPPP shall be considered a part of the SWPPP.

The party responsible for installing, implementing, and maintaining the SWPPP is _____.
Responsible contact(s): _____at_____ (cell).
Name phone
_____ _____at_____ (cell).
Name phone
The SWPPP shall be posted in a conspicuous location near the construction entrance, and that all operator(s) shall sign and certify the SWPPP they will implement.

Description:
The escape of sediment from the site shall be prevented by the installation of best management practices (BMP's). The facilities and BMP's shown on this plan must be constructed prior to or in conjunction with all clearing and grading activities in such a manner as to ensure that sediment-laden water does not enter the drainage system or violate applicable water standards. These facilities must be installed and in operation prior to any general grading or land clearing. Wherever possible, maintain natural vegetation for silt control.

The total estimated disturbed area for this project is: ±5.04 Acres.

The Contractor is responsible for protecting existing improvements outside of the construction limits. Any damaged improvements shall be replaced by the Contractor at his expense.

Contractor/Operator:
In general terms, operators are those that have the ability to make decisions concerning the project design and details, and those with the ability to make on site decisions concerning site activities and implementation of BMPs. The name(s) and contact information of the SWPPP Operator must be included on the SWPPP.

The operator must be a person knowledgeable in the principles and practice of erosion and sediment controls and who possesses the skills to assess conditions at the site that could impact storm water quality and the effectiveness of the BMPs selected to control the quality of the storm water discharges.

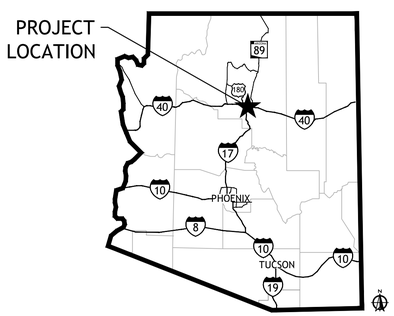
Operator's responsibilities include but are not limited to:
Filing the Notice Of Intent and Notice Of Termination with ADEQ, being familiar with, installing and maintaining BMP's, assigning qualified inspectors to the project to inspect the job during designated rain fall events.

The operator shall implement the SWPPP from initial commencement of construction activity until final stabilization is complete and NOT is filed, or until an NOI transferring the site to a new operator is received by ADEQ. In the event of an Operator change the new operator's name and contact information shall be incorporated into the SWPPP.

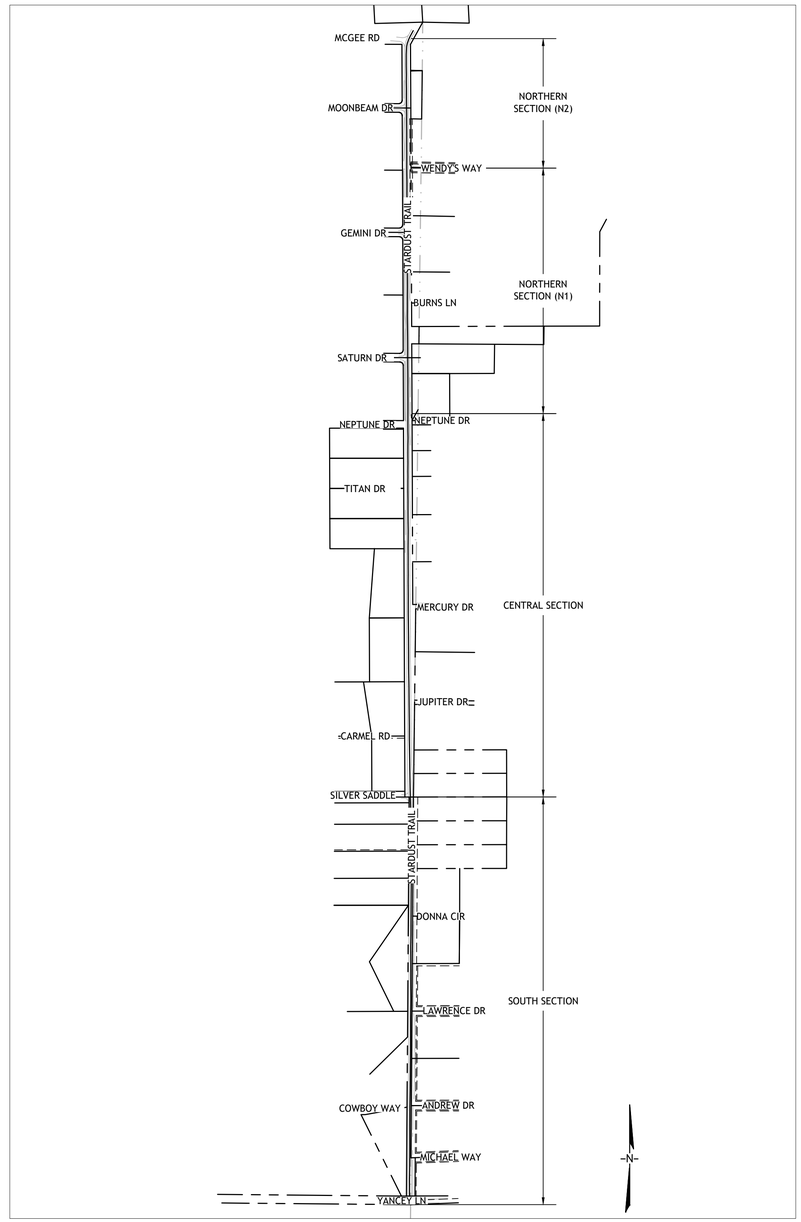
The Contractor/Operator is responsible for determining the sequencing of construction activities and installing the appropriate Best Management Practices (BMP's) to fit the construction sequence.

The Contractor/Operator must provide temporary stabilization for disturbed areas within 14 days, or as soon as practical.

NOI/NOT
The Contractor/Operator shall file a Notice of Intent (NOI) a minimum of 7 days prior to construction commencing.



VICINITY MAP
N.T.S.



AREA MAP
N.T.S.

SWPPP INSPECTION NOTES:

1. Routine Inspection Schedule. The Contractor/Operator must ensure routine inspections are performed at the site to ensure that BMPs are functional and that the SWPPP is being properly implemented. The Contractor/Operator must specify an inspection schedule as part of the SWPPP and may choose either of the following:
   a. The site will be inspected at least once every 7 calendar days, or
   b. The site will be inspected at least once every 14 calendar days, and also within 24 hours of the end of each storm event of 0.5-inches or greater.

2. Reduced Inspection Frequency. When any of the following conditions apply:
   a. The site has been temporarily stabilized;
   b. Runoff is unlikely due to winter conditions (e.g., site is covered with snow-ice, or frozen ground exists)
   c. Construction is in an area of the state that receives < 20 inches of average annual rainfall and construction is occurring during the seasonal dry period;

   The Contractor/Operator is required to routinely inspect only once each month and anytime rain is predicted and within 24 hours of the end of each storm event of 0.5 inches or greater.

3. Inspectors. Inspections must be done by qualified personnel.
   "Qualified personnel" means a person knowledgeable in the principles and practice of erosion and sediment controls and who possesses the skills to assess conditions at the site that could impact storm water quality and the effectiveness of the BMPs selected to control the quality of the storm water discharges.

4. Scope of Inspections. Inspections must include all areas of the site disturbed by construction activity and areas used for storage of materials that are exposed to precipitation. Inspectors must look for evidence of, or the potential for pollutants entering the drainage system. Sedimentation and erosion control measures identified in the SWPPP must be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they must be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected to the extent that the inspections are practicable. Locations where vehicles enter or exit the site must be inspected for evidence of offsite sediment tracking. All BMPs and areas inspected and the conditions found must be documented.

5. Compliance Evaluation Report. For each inspection the operator shall complete an inspection report.
   At a minimum the report must include:
   a. The inspection date;
   b. Name(s) and title(s) and qualifications of person(s) making the inspection. Qualifications must either be on/attached to the report or alternatively, if the SWPPP documents the qualifications of the Inspectors by name that portion of the SWPPP maybe referenced.
   c. Weather information for the period since the last inspection (or since commencement of construction activity if the first inspection), including best estimate of the beginning of each storm event duration of each event, time elapsed since last storm event, and approximate amount of rainfall for each event (in inches);
   d. Location(s) of discharges of sediment or other pollutants from the site;
   e. Location(s) and identification of BMPs that need to be maintained, failed to operate as designed or prove inadequate;
   f. Location(s) where additional BMPs that do not exist at the time of inspection are needed;
   g. Corrective actions required, including any changes to SWPPP necessary and implementation dates;
   h. Identification of all sources of non-storm water and the associated pollution prevention control measures; and
   i. Identification of material storage areas and, evidence of, or potential for, pollutant discharge from such areas.

6. Maintaining Inspection Records.
   The operator must ensure the inspection report and record of any follow-up actions taken is retained as part of the SWPPP for at least three years from the date that permit coverage expires or is terminated. Inspection reports must identify any noncompliance with the conditions of this permit. Where a report does not identify any incidents of noncompliance, the report must contain a certification that the construction project or site is being operated in compliance with the SWPPP and the permit. The report shall be signed.

7. Follow-up Actions.
   Based on the results of the inspection the operator must modify the SWPPP to include additional or modified BMPs designed to correct problems identified. The operator must complete revisions to the SWPPP within seven calendar days following the inspection. If existing BMPs need to be modified or if additional BMPs are necessary implementation must be completed before the next anticipated storm event. If implementation before the next anticipated storm event is impractical, they shall be implemented as soon as practicable.

8. Maintaining an Updated SWPPP.
   The operator must amend the SWPPP within 15 business days whenever:

1. There is a change in design, construction, operation, or maintenance at the construction site that has a significant effect on the discharge of pollutants to the waters of the United States that has not been previously addressed in the SWPPP; or
2. During inspections, monitoring if required, or investigations by the operator or by local, state, MS4, or federal officials, it is determined the discharges are causing or contributing to water quality exceedances or the SWPPP is ineffective in eliminating or significantly minimizing pollutants in storm water discharges from the construction site.

FINAL 1

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ARIZONA811
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REVISION	DESCRIPTION	DATE

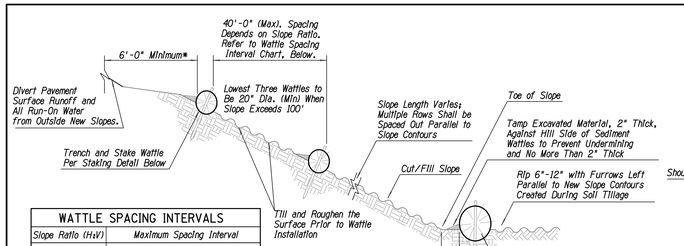
201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

Certificate No. 44705 Cal Ta Lantrip Expires 12/31/24 Arizona U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
EROSION CONTROL COVER

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

EC4.0

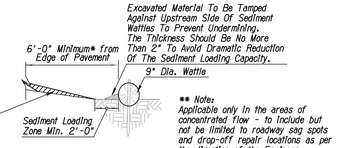


WATTLE SPACING INTERVALS	
Slope Ratio (H:V)	Maximum Spacing Interval
2:1	10'
3:1	20'
4:1	30'
5:1	40'
6:1	40'

* Notes:
1) Top Row Shall Not be Placed Within 6'-0" of Edge of Pavement and 9'-0" from Outside Surface of Barrier.
2) For erosive soils, place rows of wattles closer together.
3) For soils with low erosive potential, place rows of wattles further apart.

NOTE:
Construct bottom wattle above estimated bankfull level of roadside ditch, when the ditch is installed at toe of new slope.

SECTION (NTS)

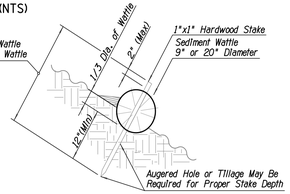


NEW SHOULDER BUILDUP **
PROTECTION SECTION (NTS)

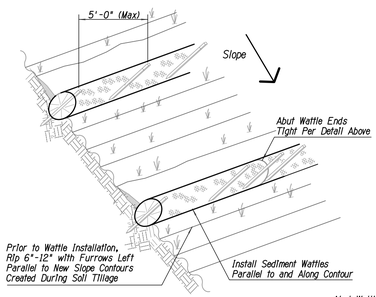
** Note:
Applicable only in the areas of concentrated flow - to include but not be limited to roadway sag spots and drop-off repair locations as per the direction of the Engineer.

NOTES:

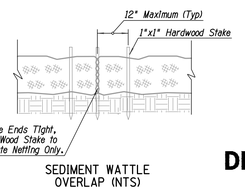
1. Install Sediment Wattles as slopes are directed to be graded or as directed by the Engineer. Select, Install and maintain In conformance with manufacturers' specifications to meet site conditions for slope protection and in accordance with good engineering practices. No Sediment Wattles shall be installed In urban freeway medians, nor where cable barrier systems are employed.
2. Sediment Wattles shall be in continuous contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made from 2-3 rolled excelsior or straw blankets.
3. Butt adjoining wattles tightly against each other. Drive the first end stake of the second wattle at an angle toward the first wattle to help abut them tightly.
4. Repair any rills or gullies promptly. Make field adjustments and corrections of Wattle CM/BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. Refer to Slope Minibenching CM/BMP Detail.
6. Loosening surface soil is not required where Minibenches are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Specifications and project special provisions.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulch. Diversion dikes and/or ditches are necessary on natural undisturbed slopes beyond the top limits of new slopes to divert run-on water.
8. Installation and maintenance of Sediment Wattle CMs/BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities.
9. Install and maintain Sediment Wattle CMs/BMPs to carry the stormwater of at least 2-year, 24-hour events.
10. The Sediment Wattle CM/BMP's pay/bid Item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal of this temporary CM/BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
11. Refer to Specification Section 810-2.06(C) for Sediment Wattle material specifications.
12. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.



SEDIMENT WATTLE STAKING DETAIL (NTS)



SEDIMENT WATTLE LAYOUT (NTS)



SEDIMENT WATTLE OVERLAP (NTS)

F.A.H.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

	NAME	DATE	
DESIGN	TAO ZI FONG	9-2020	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION
DESIGN	HAN MENG	9-2020	
DRAWN	TAO ZI FONG	9-2020	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
DRAWN	HAN MENG	9-2020	
CHECKED	JOHN R. HUCKO	9-2020	
TEAM LEADER	E. LEROY BRADY	9-2020	
ROUTE	MP	LOCATION	

TRACS NO.

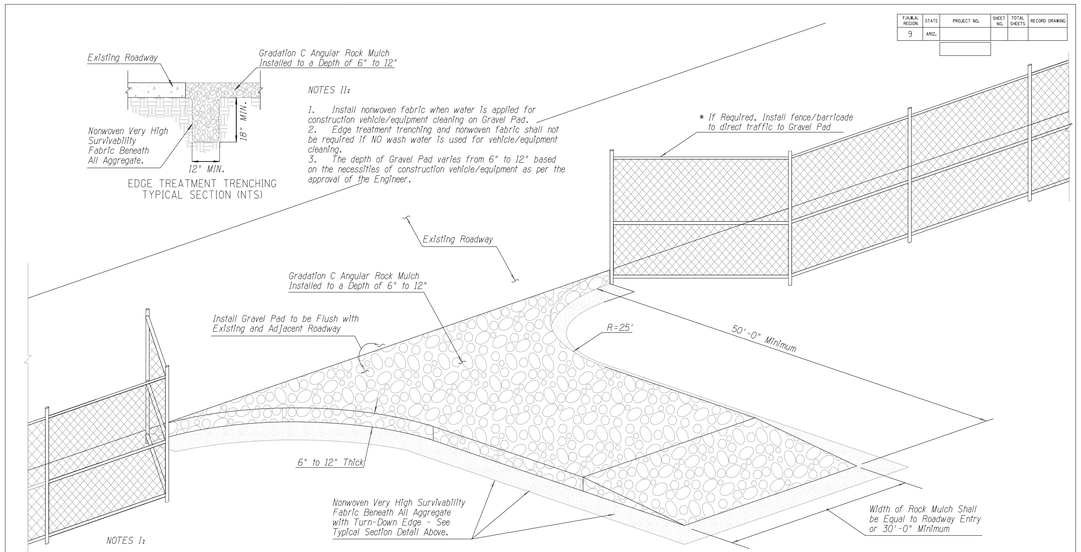
SHEET ___ OF ___

DETAIL ES3
SEDIMENT WATTLE

EDGE TREATMENT TRENCHING
TYPICAL SECTION (NTS)

NOTES II:

1. Install nonwoven fabric when water is applied for construction vehicle/equipment cleaning on Gravel Pad.
2. Edge treatment trenching and nonwoven fabric shall not be required if NO wash water is used for vehicle/equipment cleaning.
3. The depth of Gravel Pad varies from 6" to 12" based on the necessities of construction vehicle/equipment as per the approval of the Engineer.



BIRD'S EYE VIEW (NTS)

NOTES I:

1. Install Stabilized Construction Entrance/Exit Gravel Pad CM/BMP for traffic entering or exiting a construction site where sedimentation, clay, silt or other pollutants can be tracked onto public roads and/or adjacent water bodies, as approved by the Engineer. It may also be applied for construction entrance/exit wind erosion/dust control, as approved by the Engineer.
2. Locate new Construction Entrance(s)/Exit(s) at appropriate project entrance/exit points as determined in field with the approval of the Engineer. Relocate Stabilized Construction Entrance/Exit Gravel Pad CM/BMP as needed as project progresses. Replace Rock Mulch materials in drive paths when dirt or mud accumulates.
3. Nonwoven Very High Survivability Fabric shall conform to the standards of Sub-section 1014-4.04 of the Specifications.
4. Rock Mulch materials shall be fractured/crushed rocks in angular shape and as defined in the Sub-section 810-2.03 of the Specifications. Natural river-run materials, especially rounded natural river rocks are not acceptable.
5. Make field adjustments and corrections of Construction Entrance/Exit Gravel Pad CM/BMP immediately if it is causing flooding and/or affecting roadway safety.
6. When paid separately, the Stabilized Construction Entrance/Exit Gravel Pad CM/BMP's pay/bid Item shall include all materials used for this CM/BMP: all ground preparation, furnishing, installing, final removal, and disposal of this temporary CM/BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
7. * Fence/barricade pay/bid Item shall not be included as a component of the Stabilized Construction Entrance/Exit Gravel Pad CM/BMP pay/bid Item.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.

F.A.H.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				

	NAME	DATE	
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DESIGN	HAN MENG	9-2020	
DRAWN	TAO ZI FONG	9-2020	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
DRAWN	HAN MENG	9-2020	
CHECKED	JOHN R. HUCKO	9-2020	
TEAM LEADER	E. LEROY BRADY	9-2020	
ROUTE	MP	LOCATION	

TRACS NO.

SHEET ___ OF ___

DETAIL ES11
STABILIZED CONSTRUCTION ENTRANCE/EXIT GRAVEL PAD

FINAL 1

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REVISION	DESCRIPTION	DATE

201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046
Peak ENGINEERING, INC.
Connecting Place to People

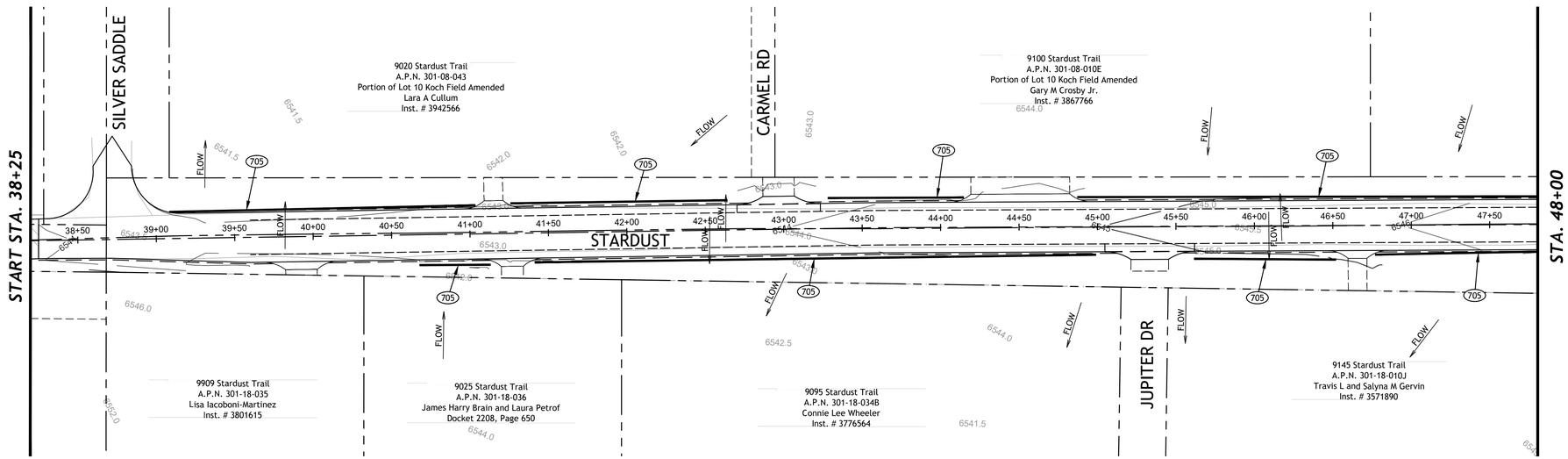
Certificate No. 44705 Caleb A. Lanting Date Signed 4/9/24 Registered Professional Engineer (Civil) ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
EROSION CONTROL DETAILS

JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

EC4.1

PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
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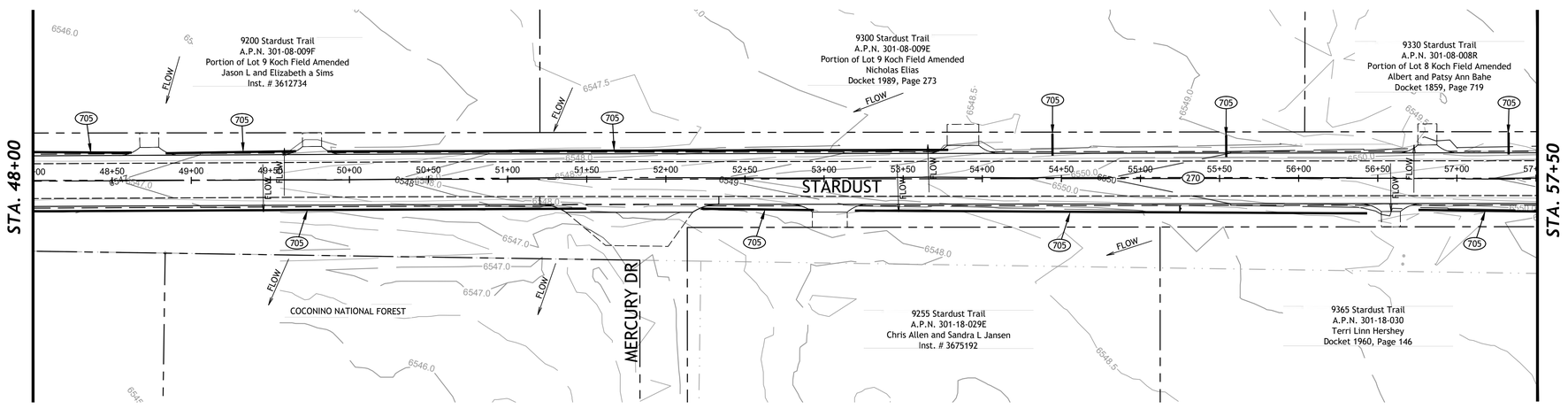
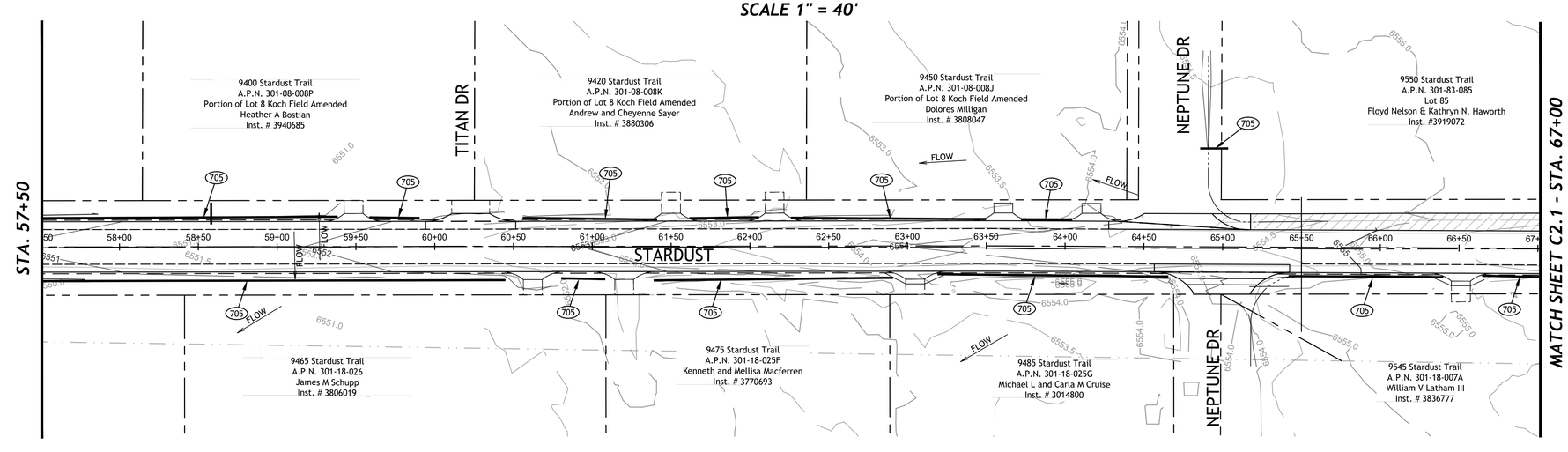


PLAN VIEW
SCALE 1" = 40'



EROSION CONTROL (700)

700 1 LS
Construct stabilized construction entrance/exit gravel pad per detail ES11, Sheet EC4.1. Placement of construction entrance(s) to site and construction yard shall be determined in the field and relocated as needed to accommodate construction traffic. Coordinate construction entrance with COF Project Manager.

701 1 LS
Sweep tracked sediment from all streets as often as needed to control sediment track out.Street sweeping shall occur at lest daily during construction, more if required to control sediment track out or as required by the City's Project Manager.

702 1 LS
Concrete washout shall be contained and properly disposed of upon completion of construction. Contractor to coordinate with COF Project Manager for location of designated concrete washout.

705 4,000 LF
Place 9" straw wattles per Detail ES3, Sheet EC4.1.

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

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ARIZONA811 BLUE STAKE, INC.
Call 811 or click Arizona811.com

REVISION	DESCRIPTION	DATE

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201 E BIRCH AVE. SUITE 3
Flagstaff, AZ 86001
(928) 774-4046

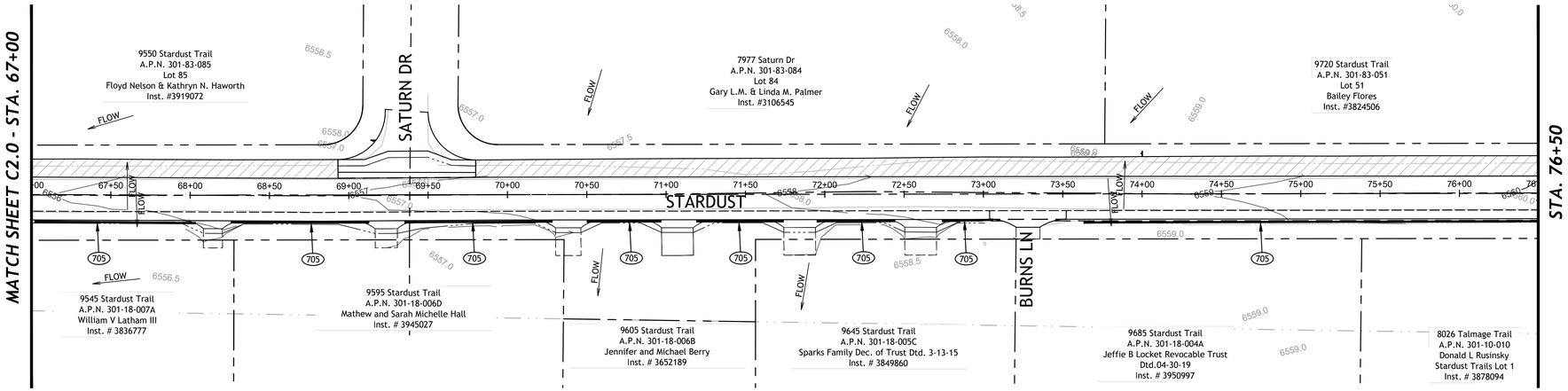
Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CARTER A. LANDING Date Signed 4/19/24 ARIZONA, U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
EROSION CONTROL PLAN

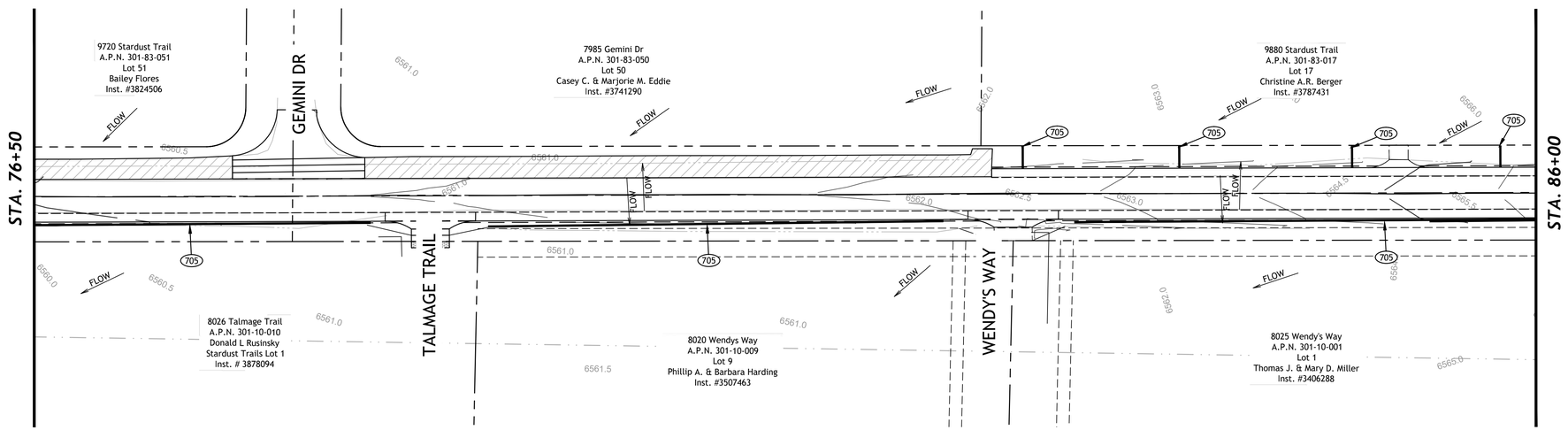
JOB NO: 23CC01
DATE: APRIL 2024
BY: CBW/DCW
CHECKED: CAL

EC4.2

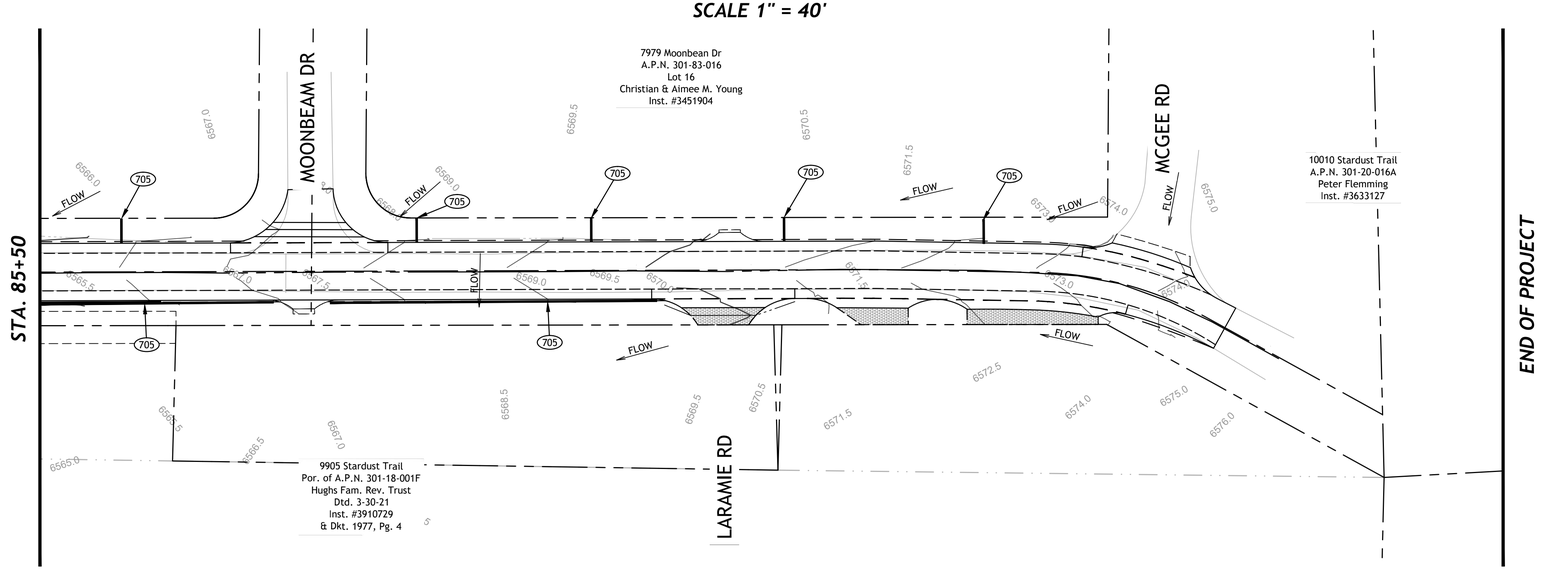
PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
SCALE 1" = 40'



PLAN VIEW
SCALE 1" = 40'



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702 1 LS
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705 1,965 LF
Place 9" straw wattles per Detail ES3, Sheet EC4.1.

GRAPHIC SCALE 1" = 40'
40 0 40 80 120

FINAL 1

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Peak ENGINEERING, INC.
Connecting Place to People

Registered Professional Engineer (Civil) CERTIFICATE NO. 44705 CALEB A. LANTING Date Signed 4/8/24 ARIZONA U.S.A.

COCONINO COUNTY PUBLIC WORKS
STARDUST TRAIL ROAD WIDENING
AND RECONSTRUCTION
EROSION CONTROL PLAN

JOB NO: 23CO01
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EC4.3