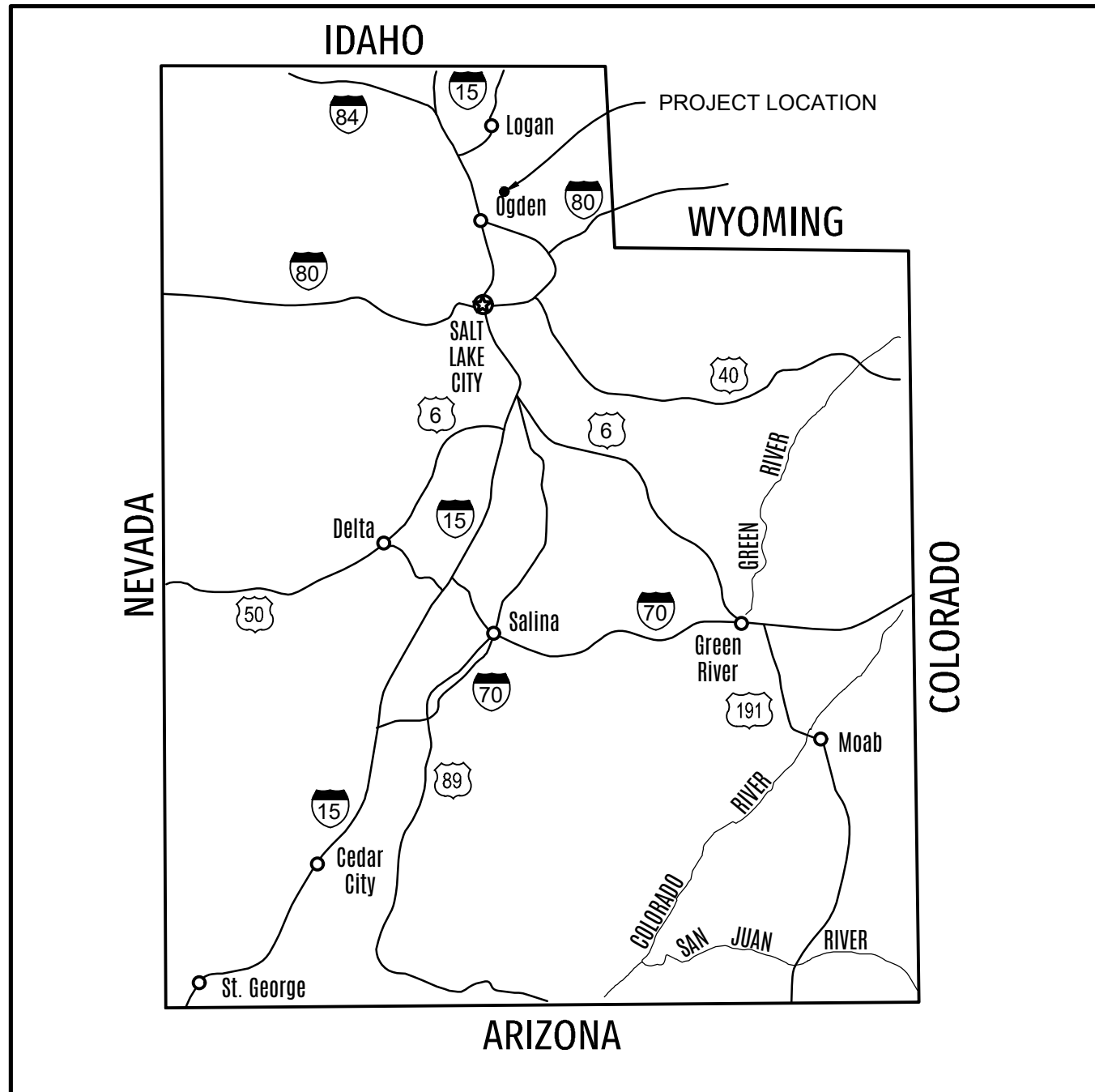


NORDIC VALLEY ROUNDABOUTS

WEBER COUNTY, UTAH

04.29.2025



VICINITY MAP
(N.T.S.)



PROJECT MAP
(N.T.S.)



3160 W. Clubhouse Drive, Ste. A
Lehi, UT 84043
801.768.7200

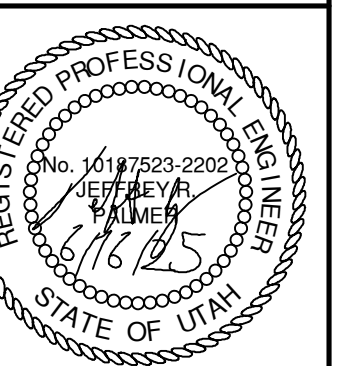


2380 Washington Blvd, #320
Ogden, UT 84401
801.399.8034

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NORDIC VALLEY ROUNDABOUTS

WEBER COUNTY, UTAH

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REVISIONS	
2	06/19/2025 W ROUNDABOUT LANE
1	06/18/2025 W ROUNDABOUT SHIFT
MARK	DATE DESCRIPTION

PROJECT NO:	24487
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DATE: 04.29.2025

DESIGN BY: JOSHUA B.

CHECKED BY: JEFFREY P.

SHEET TITLE

COVER SHEET

G-101

1 OF 19

PERMIT

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO WEBER COUNTY ORDINANCES, UTAH STATE REGULATIONS, AND APPLICABLE FEDERAL STANDARDS, INCLUDING THE INTERNATIONAL BUILDING CODE (IBC), UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) STANDARDS, AND AASHTO GUIDELINES.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS BEFORE COMMENCING WORK, INCLUDING GRADING, UTILITY, AND STORMWATER PERMITS.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, PROPERTY BOUNDARIES, ELEVATIONS, AND UTILITIES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING.
4. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY, UTILITIES, OR ROADWAYS CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND MUST BE REPAIRED TO THE SATISFACTION OF WEBER COUNTY.
5. THE CONTRACTOR SHALL ENSURE CONTINUOUS ACCESS FOR EMERGENCY VEHICLES AND ADJACENT PROPERTIES THROUGHOUT CONSTRUCTION.
6. THE CONTRACTOR SHALL STRICTLY FOLLOW GEOTECHNICAL CONSIDERATIONS FOR THIS PROJECT. ALL GRADING ACTIVITY INCLUDING BUT NOT LIMITED TO CUT, FILL, COMPACT, INSTALL ASPHALT SECTION SUBBASE, TRENCH EXCAVATION/BACKFILL, GRUBBING, RETAINING WALLS AND FOOTINGS MUST BE COORDINATED DIRECTLY WITH THE GEOTECHNICAL ENGINEER.
7. TRAFFIC CONTROL, SIGNALING AND STRIPING MUST CONFORM TO CURRENT UDOT TRANSPORTATION ENGINEER'S MANUAL AND MANUAL OF UNIFORM TRAFFIC DEVICES.
8. AT ALL LOCATIONS WHERE EXISTING PAVEMENTS ADJUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
9. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.
10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AS REQUIRED BY THE CONTRACTOR'S USE DURING CONSTRUCTION.
11. CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SCALE AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE.

CONSTRUCTION SITE SAFETY

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY, OSHA COMPLIANCE, AND THE PROTECTION OF WORKERS, VISITORS, AND THE PUBLIC.
2. PROPER SIGNAGE, BARRICADES, AND FENCING SHALL BE INSTALLED AROUND THE CONSTRUCTION AREA TO PREVENT UNAUTHORIZED ACCESS AND ENSURE PUBLIC SAFETY.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) FOR ALL PERSONNEL ON-SITE.
4. OPEN EXCAVATIONS MUST BE SECURED WITH PROTECTIVE BARRIERS AT ALL TIMES AND PROPERLY BACKFILLED OR COVERED OUTSIDE OF WORKING HOURS.
5. THE CONTRACTOR SHALL HAVE A SAFETY AND EMERGENCY RESPONSE PLAN IN PLACE, INCLUDING FIRE PROTECTION, HAZARDOUS MATERIAL HANDLING, AND FIRST AID PROVISIONS.

STORM WATER POLLUTION PREVENTION (SWPPP)

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN STORMWATER POLLUTION PREVENTION MEASURES IN COMPLIANCE WITH WEBER COUNTY STORMWATER REGULATIONS AND UTAH DEQ GUIDELINES.
2. BEST MANAGEMENT PRACTICES (BMPs), INCLUDING SILT FENCES, SEDIMENT BASINS, INLET PROTECTION, AND STABILIZED CONSTRUCTION ENTRANCES, SHALL BE INSTALLED BEFORE EARTHWORK BEGINS.
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED REGULARLY, ESPECIALLY AFTER RAINFALL EVENTS.
4. STOCKPILES OF EXCAVATED MATERIAL MUST BE COVERED OR CONTAINED TO PREVENT SEDIMENT RUNOFF.
5. ANY VIOLATIONS OF STORMWATER REGULATIONS RESULTING IN POLLUTION OR SEDIMENTATION OF NEARBY WATER BODIES SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

UTILITY CONSTRUCTION

1. THE CONTRACTOR SHALL VERIFY LOCATIONS, SIZES, AND ELEVATIONS OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
2. ALL NEW UTILITY INSTALLATIONS MUST CONFORM TO WEBER COUNTY ENGINEERING DIVISION STANDARDS AND UNDERGO PROPER INSPECTION BEFORE BACKFILLING.
3. PIPE BEDDING, BACKFILL, AND COMPACTION SHALL MEET THE APPROVED SPECIFICATIONS TO PREVENT SETTLEMENT AND PIPE FAILURE.
4. NO DEBRIS, SEDIMENT, OR FOREIGN MATERIALS SHALL BE ALLOWED INTO THE STORM DRAINAGE SYSTEM DURING CONSTRUCTION.
5. STORM DRAIN INLETS SHALL BE PROTECTED FROM SEDIMENT AND DEBRIS UNTIL FINAL STABILIZATION OF DISTURBED AREAS.

DEMOLITION & EROSION CONTROL

1. THE CONTRACTOR SHALL CONFIRM LIMITS OF DEMOLITION WITH THE ENGINEER AND OWNER BEFORE STARTING WORK.
2. ALL DEBRIS AND REMOVED MATERIALS MUST BE PROPERLY DISPOSED OF AT LICENSED FACILITIES IN ACCORDANCE WITH WEBER COUNTY SOLID WASTE REGULATIONS.
3. ADJACENT STRUCTURES, UTILITIES, AND ROADWAYS SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION.
4. UTILITY DISCONNECTIONS MUST BE COORDINATED WITH THE APPROPRIATE UTILITY PROVIDERS BEFORE DEMOLITION BEGINS.
5. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES, INCLUDING WATER SPRAYING OR COVERING STOCKPILES, AS REQUIRED BY WEBER COUNTY AIR QUALITY REGULATIONS.
6. SILT FENCES, WATTLES, AND EROSION CONTROL BLANKETS SHALL BE INSTALLED TO PREVENT SEDIMENT RUNOFF INTO STORM DRAINS, DITCHES, AND ADJACENT PROPERTIES.
7. DISTURBED AREAS MUST BE REVEGETATED, MULCHED, OR STABILIZED WITHIN 14 DAYS OF COMPLETION OF GRADING.
8. CONSTRUCTION ENTRANCES SHALL BE STABILIZED WITH GRAVEL OR OTHER APPROVED MATERIALS TO REDUCE TRACKING OF DIRT ONTO PUBLIC ROADS.
9. THE CONTRACTOR SHALL PERFORM WEEKLY INSPECTIONS AND AFTER-STORM ASSESSMENTS OF ALL EROSION CONTROL MEASURES AND REPAIR THEM AS NEEDED.
10. EROSION CONTROL MEASURES MUST REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION IS ACHIEVED AND APPROVED BY WEBER COUNTY.

UTILITY COMPANY AND WEBER COUNTY CONTACTS

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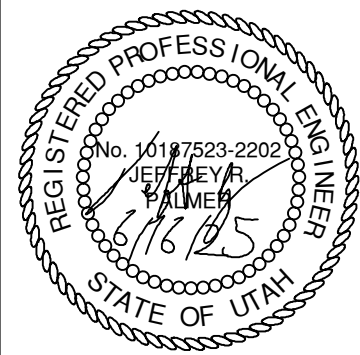
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LIBERTY PIPELINE COMPANY
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WEBER COUNTY ENGINEER
GARY MYERS
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**NORDIC VALLEY
ROUNDABOUTS**

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REVISIONS		
2	06/19/2025	W ROUNDABOUT LANE
1	06/18/2025	W ROUNDABOUT SHIFT
MARK	DATE	DESCRIPTION

PROJECT NO: 24487

DATE: 04.29.2025

DESIGN BY: JOSHUA B.

CHECKED BY: JEFFREY P.
SHEET TITLE

GENERAL NOTES

G-102

2 OF 19

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ABBREVIATIONS

AC	ACRE	FG	FINISHED GRADE	RT	RIGHT
ACE	ARMY CORPS OF ENGINEERS	FH	FIRE HYDRANT	S.	SOUTH
AGGR	AGGREGATE	FIRM	FLOOD INSURANCE RATE MAP	SAN	SANITARY
ALT.	ALTERNATE	FL	FLOWLINE	SCH.	SCHEDULE
APPR.	APPROXIMATE	FM	FORCE MAIN	SD	STORM DRAIN
AR MH	AIR RELEASE MANHOLE	FO	FIBER OPTIC	SDR	STANDARD DIMENSION RATIO
ARV	AIR RELEASE VALVE	FS	FINISHED SURFACE	SF/SQ FT	SQUARE FEET
ASSY.	ASSEMBLY	FT	FOOT/FEET	SHT	SHEET
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	GALV.	GALVANIZED	SIM.	SIMILAR
AVE	AVENUE	GB	GRADE BREAK	SS	SANITARY SEWER
BFV	BUTTERFLY VALVE	GR	GRATE	ST	STREET
BH	BORE HOLE	GV	GATE VALVE	STA	STATION
BITUM.	BITUMINOUS	HDPE	HIGH-DENSITY POLYETHYLENE	STD	STANDARD
BK	BACK	HMA	HOT MIX ASPHALT	SW	SIDEWALK
B.O.	BY OTHERS	HOR.	HORIZONTAL	SY/SQ YD	SQUARE YARD
BOA	BEGINNING OF ALIGNMENT	HP	HIGH POINT	TA	TOP OF ASPHALT
BOP	BEGINNING OF PROJECT	HYD.	HYDRANT	TBC	TOP BACK OF CURB
BSW	BACK OF SIDEWALK	IN.	INCH	TBR	TO BE REMOVED
BVC	BEGIN VERTICAL CURVE	I.D.	INSIDE DIAMETER	TC	TOP OF CONCRETE
BW	BOTTOM OF WALL	INV.	INVERT	TOP	TOP OF PIPE
C&G	CURB AND GUTTER	IRR.	IRRIGATION	TW	TOP OF WALL
CB	CATCH BASIN	INS.	INSERT	TYP.	TYPICAL
C-C	CENTER TO CENTER	LEN.	LENGTH	VAR.	VARIES
CE/L	CONSTRUCTION EASEMENT LINE	LF	LINEAR FEET	VERT.	VERTICAL
CF	CUBIC FEET	LP	LOW POINT	WAT.	WATER
CFS	CUBIC FEET PER SECOND	LT	LEFT	WL	WATER LINE
CI	CAST IRON	MAX	MAXIMUM		
CIP	CAST IRON PIPE	MFG.	MANUFACTURER		
CL	CENTERLINE	MH	MANHOLE		
CMP	CORRUGATED METAL PIPE	MIN.	MINIMUM		
CO	CLEANOUT	MJ	MECHANICAL JOINT		
COMM.	COMMUNICATION	N.	NORTH		
CONC.	CONCRETE	NO.	NUMBER		
CONST.	CONSTRUCTION	NTS	NOT TO SCALE		
CU	COPPER	O.C.	ON CENTER		
CY/CU YD	CUBIC YARD	O.D.	OUTSIDE DIAMETER		
DBL	DOUBLE	OH	OVERHEAD		
DI	DUCTILE IRON	OSHA	OCCUPATION SAFETY & HEALTH ADMIN.		
DIAD	DIAMETER	PC	POINT OF CURVATURE		
DIP	DUCTILE IRON PIPE	PCC	POINT OF COMPOUND CURVATURE		
DR	DRIVE	PI	POINT OF INTERSECTION		
DRWY	DRIVEWAY	PL	PROPERTY LINE		
DWG	DRAWING	POLY	POLYETHYLENE		
E.	EAST	POT.	POTABLE		
EA.	EACH	PP	POWER POLE		
EG	EXISTING GRADE	PRC	POINT OF REVERSE CURVATURE		
EP/EOP	EDGE OF PAVEMENT	PRV	PRESSURE REDUCING VALVE		
ELEC.	ELECTRICAL	PSI	POUNDS PER SQUARE INCH		
EL/ELEV.	ELEVATION	PT	POINT OF TANGENCY		
ELOH	OVERHEAD ELECTRICAL	PVC	POLYVINYL CHLORIDE		
EOA	END OF ALIGNMENT	PVI	POINT OF VERTICAL INTERSECTION		
ESMT	EASEMENT	PUE	PUBLIC UTILITY EASEMENT		
EVC	END VERTICAL CURVE	RAD/R	RADIUS		
EX/EXIST.	EXISTING	RCP	REINFORCED CONCRETE PIPE		
EXT.	EXTENSION	REQ'D	REQUIRED		
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	ROW	RIGHT-OF-WAY		
FES	FLARED END SECTION	RR	RAILROAD		

LEGEND

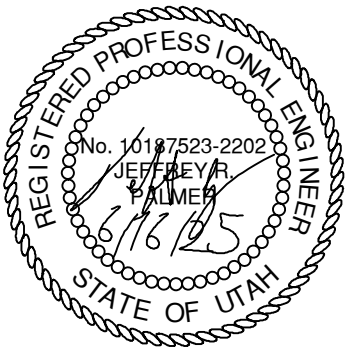
EXISTING	PROPOSED	DESCRIPTION
		MAJOR CONTOUR
		MINOR CONTOUR
		CURB AND GUTTER
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		STREET CENTERLINE
		PROPERTY LINE
		LOT LINE
		SECTION LINE
		SECTION CORNER
		RIGHT-OF-WAY LINE
		EASEMENT LINE
		FENCE
		SANITARY SEWER LINE
		SANITARY SEWER - FORCE
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEAN OUT
		WATER LINE
		CHLORINE LINE
		WATER TEE
		WATER VALVE
		WATER BEND (ANGLE NOTED)
		WATER STUB / CAP
		FIRE HYDRANT
		WATER METER
		WATER MANHOLE
		PRESSURIZED IRRIGATION LINE
		IRRIGATION LINE
		IRRIGATION TEE
		IRRIGATION VALVE
		IRRIGATION BEND (ANGLE NOTED)
		IRRIGATION STUB / CAP
		IRRIGATION METER
		IRRIGATION MANHOLE
		IRRIGATION BOX
		STORM DRAIN PIPE
		CULVERT WITH FLARED END SECTION
		STORM DRAIN MANHOLE

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		STORM DRAIN COMBO BOX
		STORM DRAIN CURB INLET
		JUNCTION STRUCTURE
		BURIED ELECTRIC LINE
		OVERHEAD ELECTRIC LINE
		POWER POLE
		GUY WIRE ANCHOR
		ELECTRICAL EQUIPMENT
		ELECTRICAL TRANSFORMER
		GAS LINE
		GAS VALVE
		GAS METER
		BURIED TELEPHONE
		OVERHEAD COMMUNICATIONS LINE
		BURIED COMMUNICATIONS LINE
		OVERHEAD CABLE TV
		BURIED CABLE TV
		BURIED FIBER OPTIC LINE
		COMMUNICATIONS PEDESTAL
		COMMUNICATIONS HANDHOLE
		GRADE TO DRAIN
		EXTENTS OF GRADING
		FIRE DEPARTMENT CONNECTION
		FIRE SPRINKLER RISER
		STREET LIGHT
		SIGN (SINGLE POLE)
		MAILBOX
		ASPHALT PAVEMENT
		CONCRETE FLATWORK
		UNTREATED BASE COURSE
		LANDSCAPE
		DETECTABLE WARNING SURFACE
		AREAS TO BE DEMOLISHED
		SPOT ELEVATION
		SECTION / DETAIL CALL-OUT SYMBOL
		DECIDUOUS SHRUB/TREE
		CONIFEROUS SHRUB/TREE



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NORDIC VALLEY
ROUNDABOUTS
WEBER COUNTY, UTAH

REVISIONS			
2	06/19/2025	W ROUNDABOUT LANE	
1	06/18/2025	W ROUNDABOUT SHIFT	
MARK	DATE	DESCRIPTION	

PROJECT NO:	24487
DATE:	04.29.2025
DESIGN BY:	JOSHUA B.
CHECKED BY:	JEFFREY P.
SHEET TITLE	

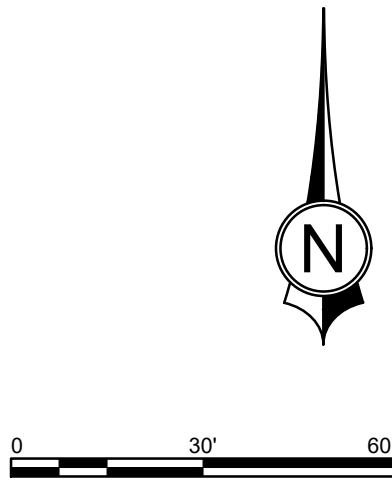
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G-102

3 OF 19

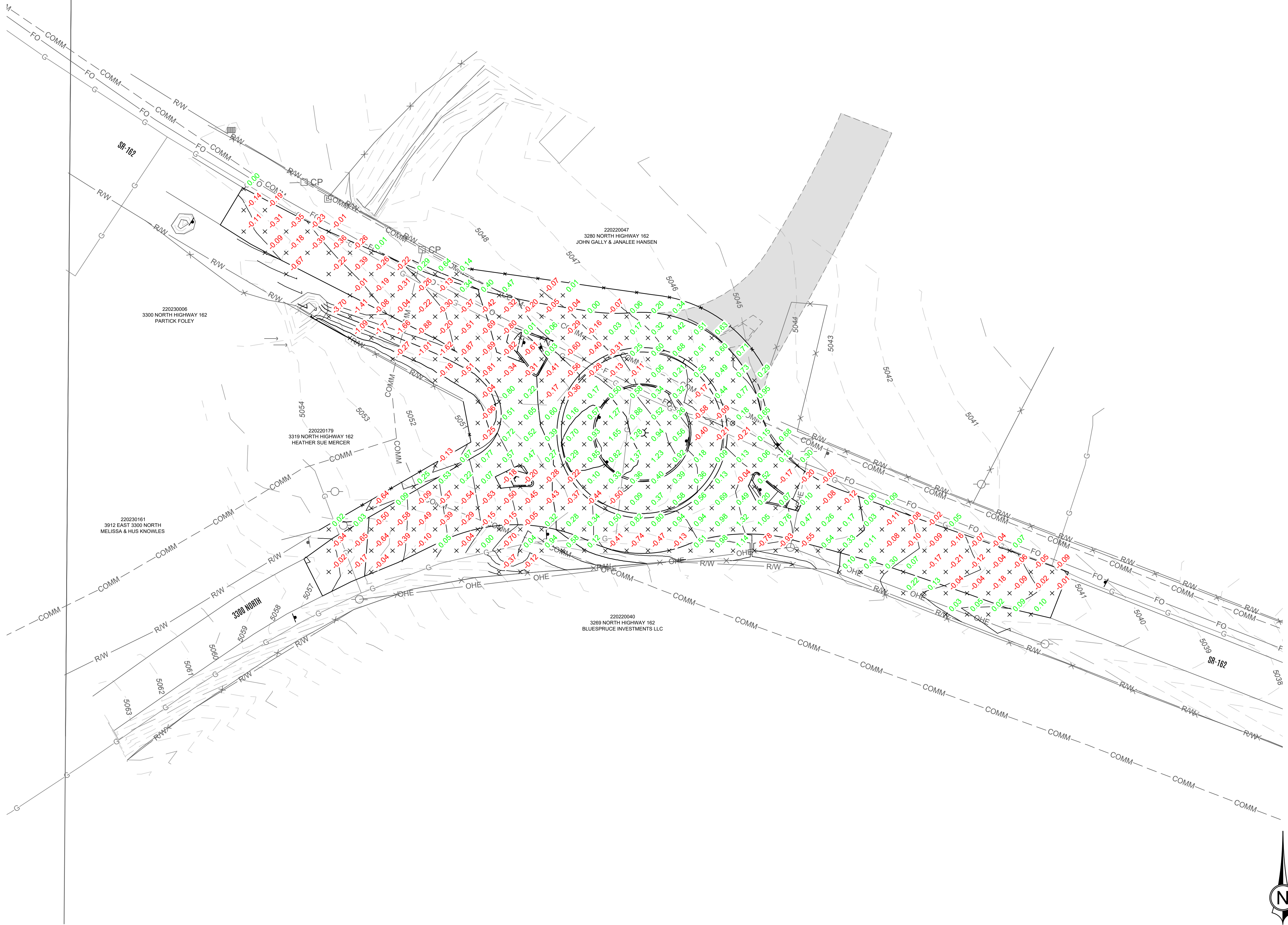
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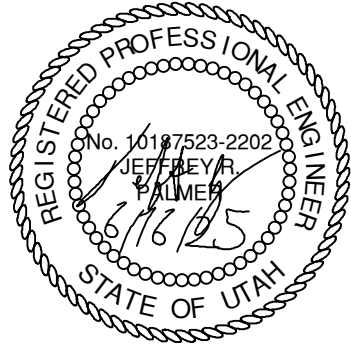


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GENERAL SHEET NOTES

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED PER WEBER COUNTY STANDARDS, APWA STANDARD SPECIFICATIONS AND PLANS, 2017 EDITION, OR DETAILS AS NOTED BELOW.
- EARTHWORK VALUES (SURFACE COMPARISON)
- CUT = 278 CY
- FILL = 337 CY
- NET = 59 CY (CUT)
- CUT/FILL QUANTITIES DO NOT REFLECT SUBGRADE EARTHWORK.



NORDIC VALLEY
ROUNDABOUTS
WEBER COUNTY, UTAH

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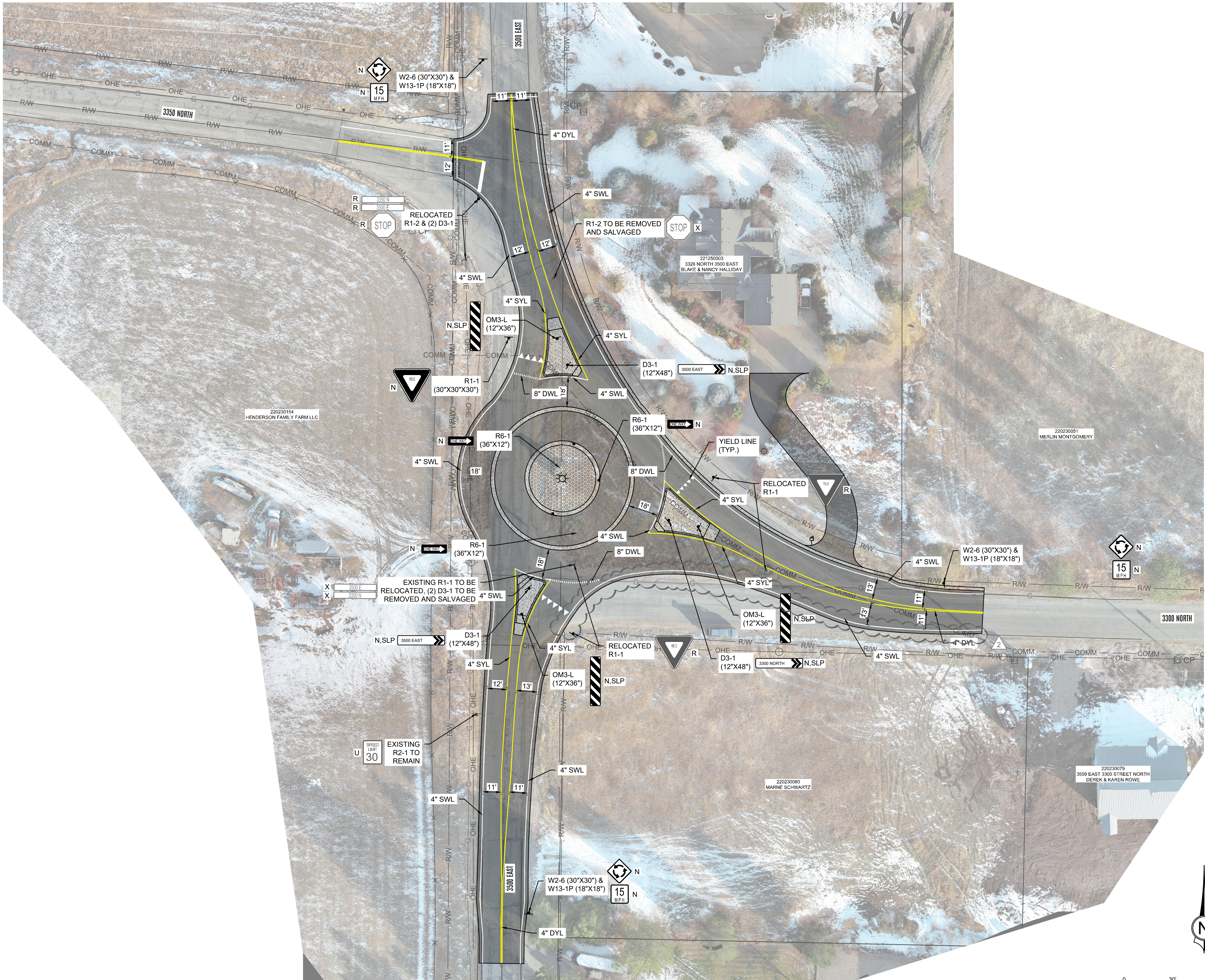
EAST
EARTHWORK
PLAN

C-124

12 OF 19

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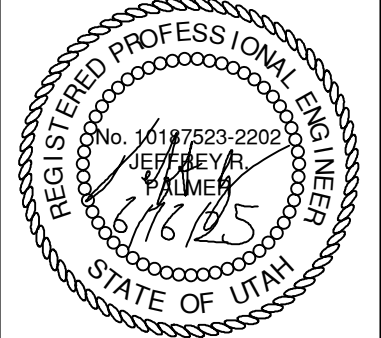
NOTES & ABBREVIATIONS

1. REFER TO APWA AND UTAH MUTCD FOR SIGN PLACEMENT AND PAVEMENT MARKING DETAILS.
 2. ALL SIGNS AND BASES SHALL MEET WEBER COUNTY STANDARDS.
- SWL SOLID WHITE LINE
DWL DOTTED WHITE LINE
BLA BIKE LANE & ARROW
BWL BROKEN WHITE LINE
BLB BIKE LANE BARRIER
LMS LANE MERGE SYMBOL
LTS LEFT TURN SYMBOL
MSG PAVEMENT MESSAGE/LETTERING
RTS RIGHT TURN SYMBOL
S&BYL SOLID AND BROKEN YELLOW LINE
DYL DOUBLE YELLOW LINE
SB STOP BAR
SYL SINGLE YELLOW LINE
N PROPOSED SIGN
R RELOCATE EXISTING SIGN
X REMOVE AND SALVAGE EXISTING SIGN
U EXISTING SIGN TO REMAIN
SLP SLIP BASE PER UDOT STANDARDS



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NORDIC VALLEY
ROUNDABOUTS

WEBER COUNTY, UTAH

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2	06/19/2025

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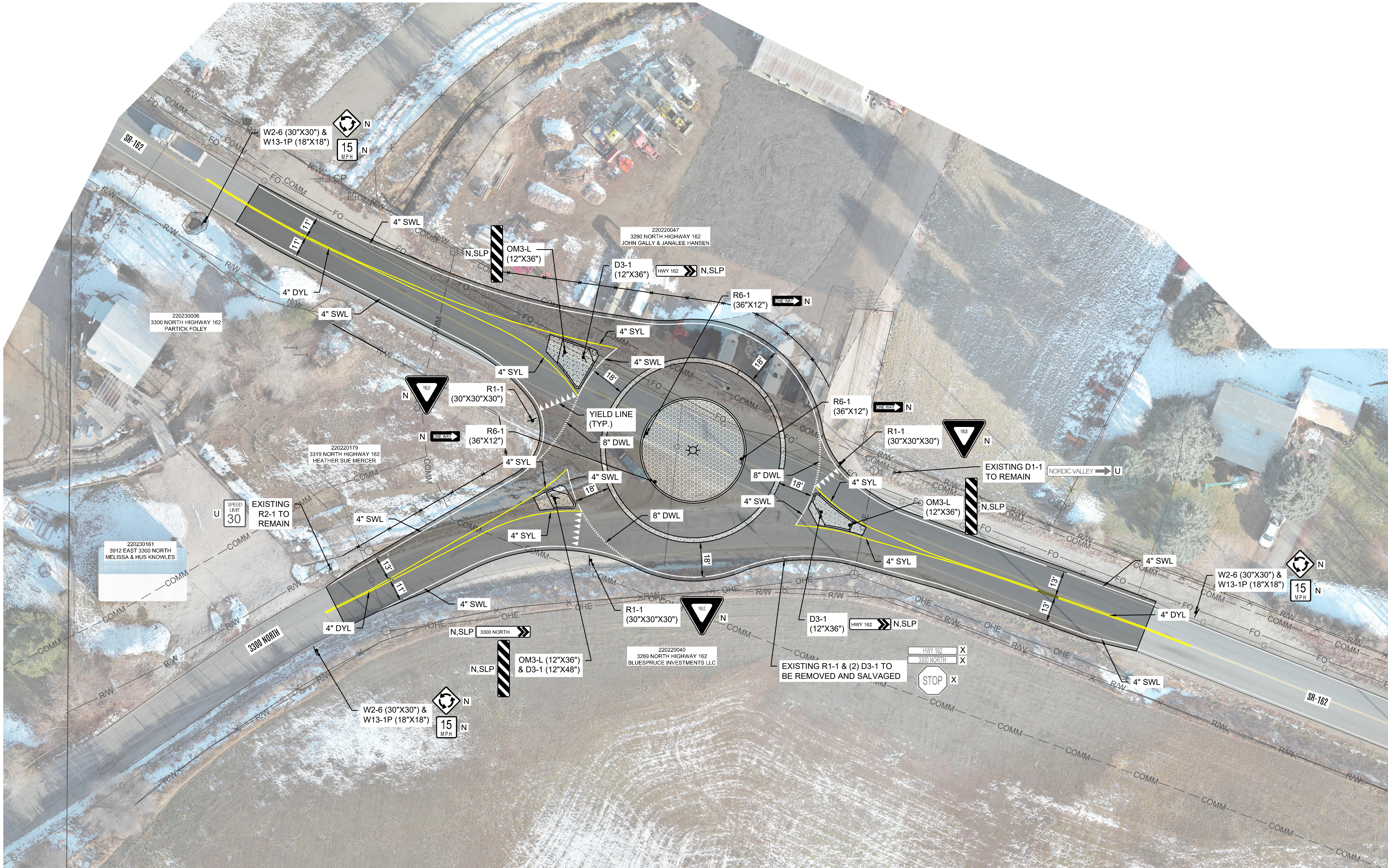
WEST SIGNAGE
& STRIPING
PLAN

C-201

15 OF 19

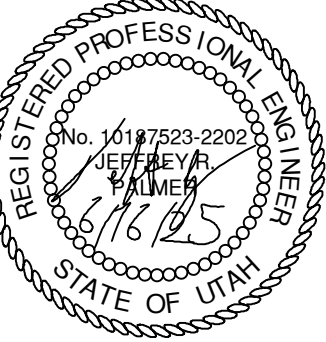
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N PROPOSED SIGN
R RELOCATE EXISTING SIGN
X REMOVE AND SALVAGE EXISTING SIGN
U EXISTING SIGN TO REMAIN
SLP SLIP BASE PER UDOT STANDARDS

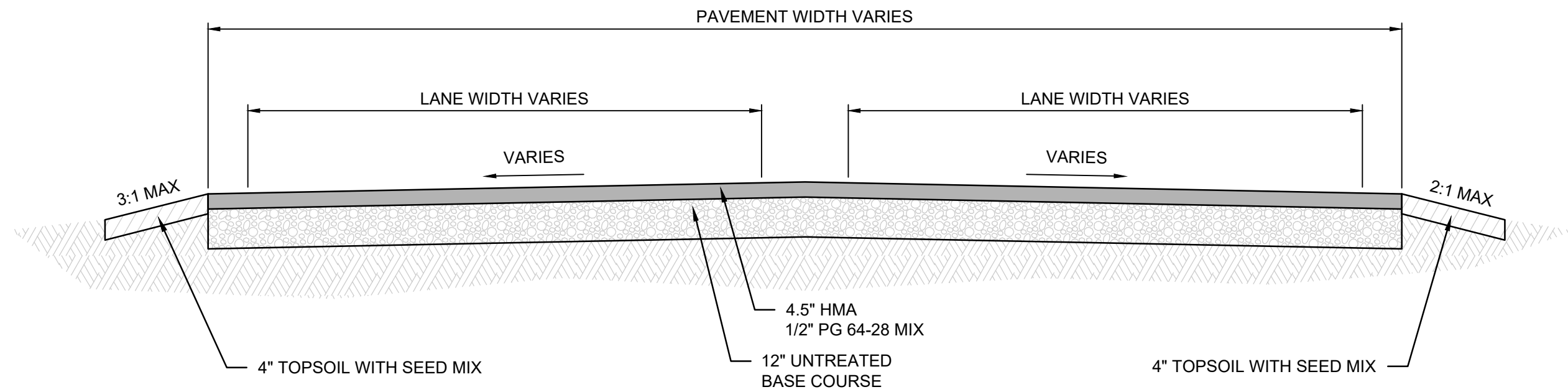


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ROUNDABOUTS
WEBER COUNTY, UTAH

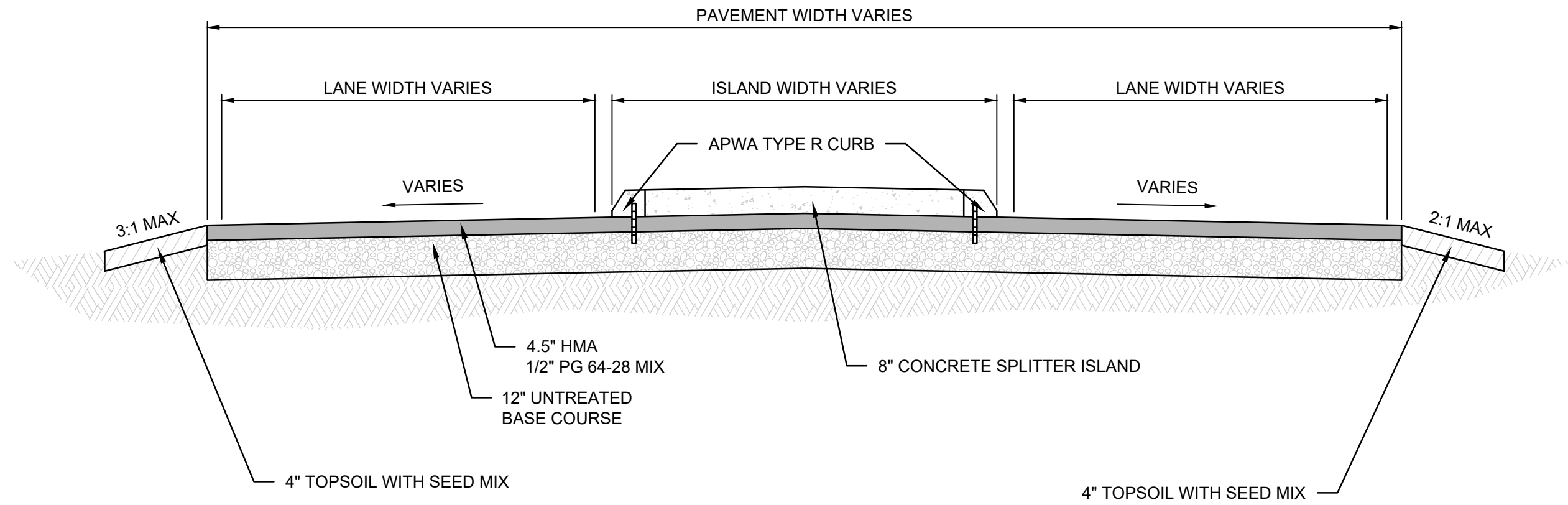
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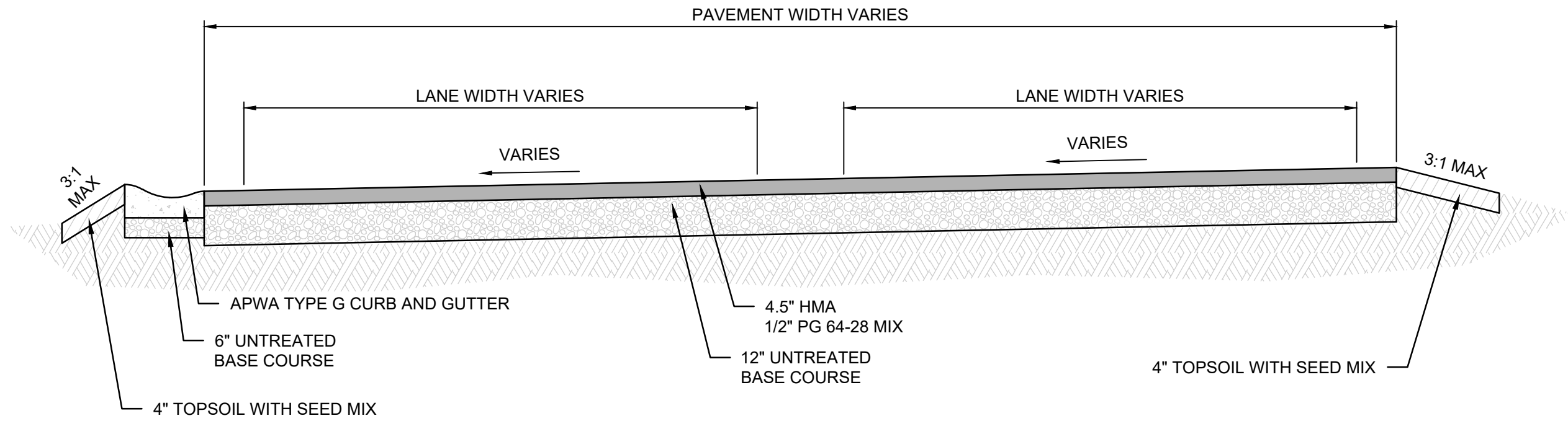
EAST SIGNAGE
& STRIPING
PLAN



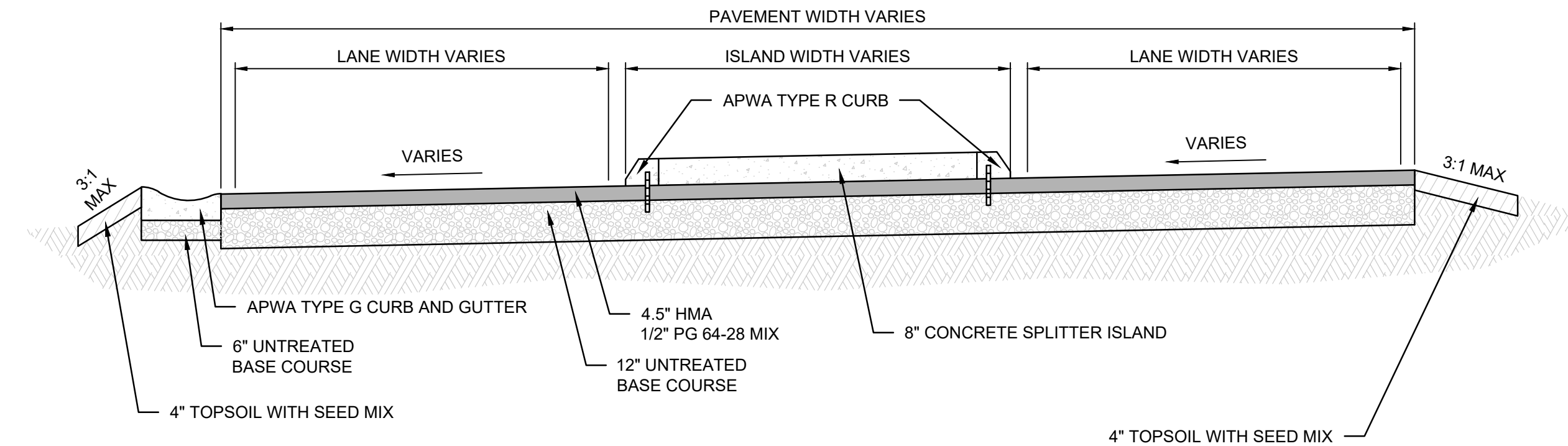
1 TYPICAL SECTION 1



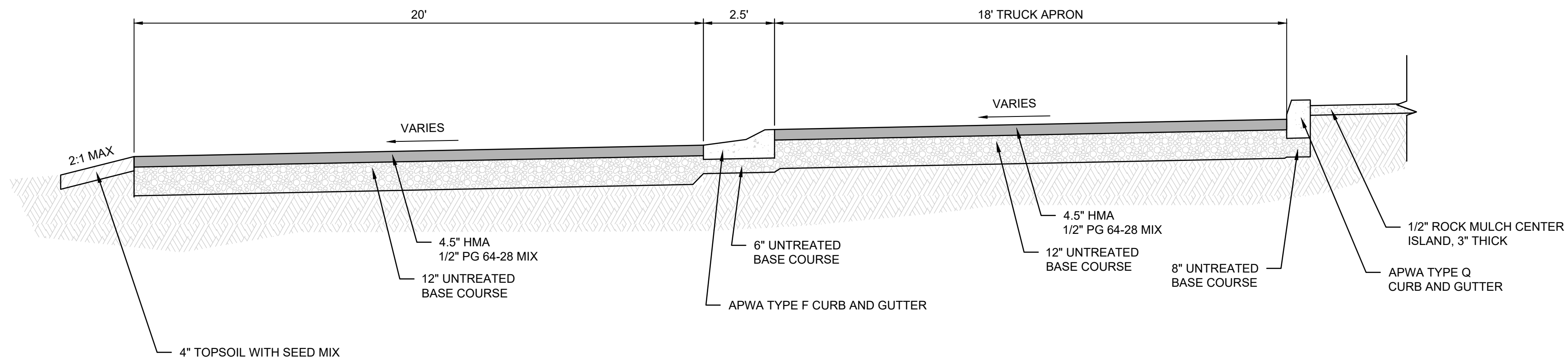
3 TYPICAL SECTION 3



2 TYPICAL SECTION 2



4 TYPICAL SECTION 4



5 TYPICAL SECTION 5

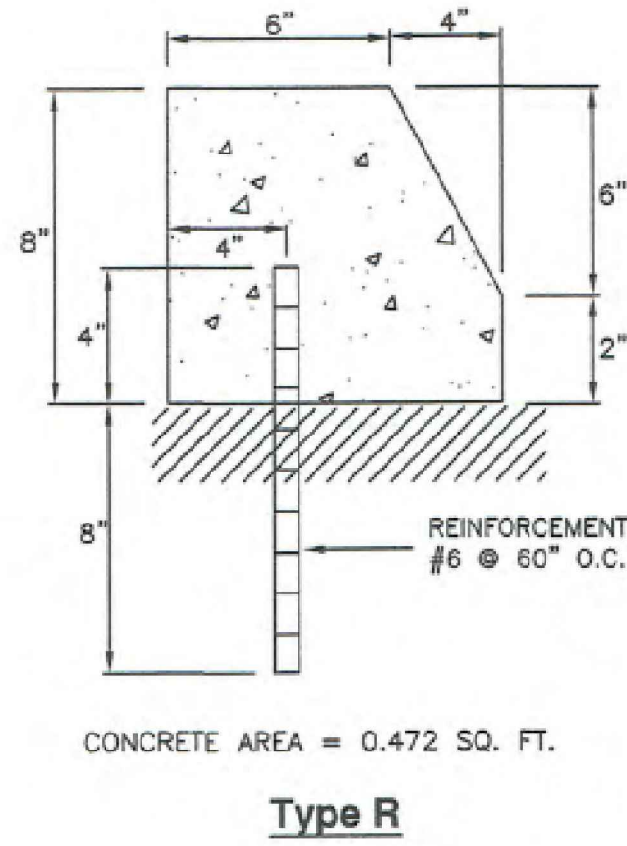
NOTE:
PAVEMENT SECTION DETERMINED BY CHRISTENSEN
GEOTECHNICAL REPORT, DATED MARCH 21, 2024.

REVISIONS			
MARK	DATE	DESCRIPTION	
1	06/18/2025	W ROUNDABOUT SHIFT	
2	06/19/2025	W ROUNDABOUT LANE	

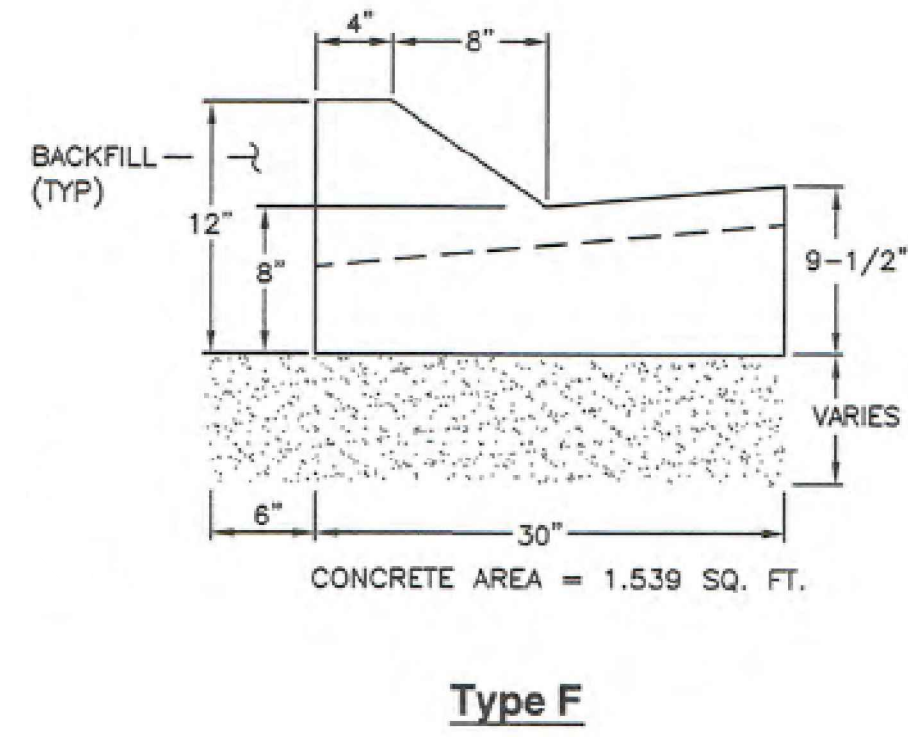
PROJECT NO: 24487
DATE: 04.29.2025
DESIGN BY: JOSHUA B.
CHECKED BY: JEFFREY P.
SHEET TITLE

TYPICAL
SECTIONS

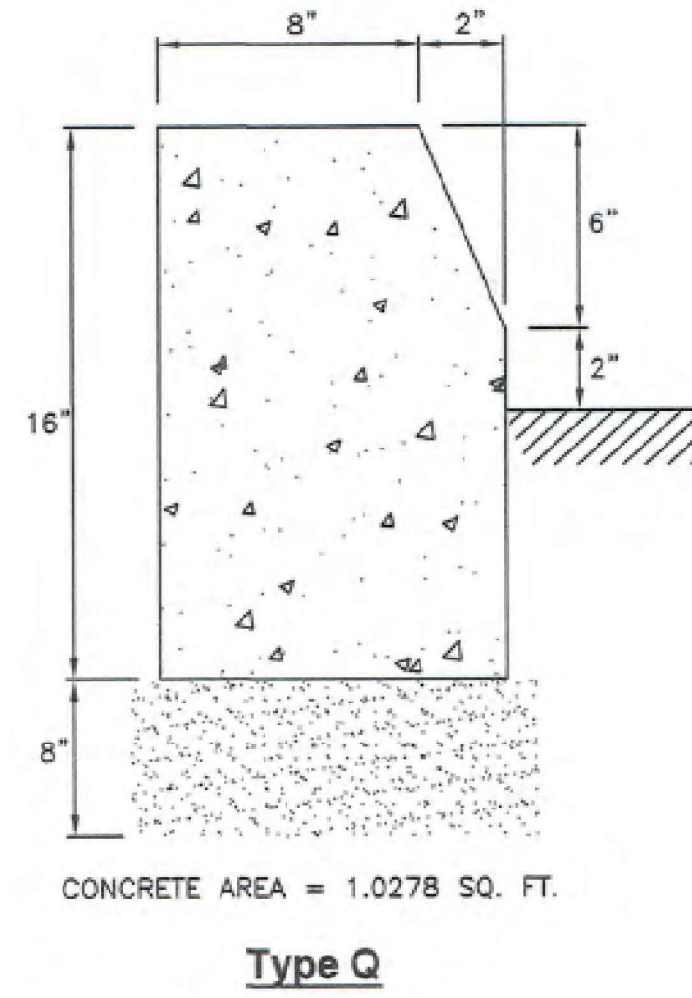
C-301
17 OF 19



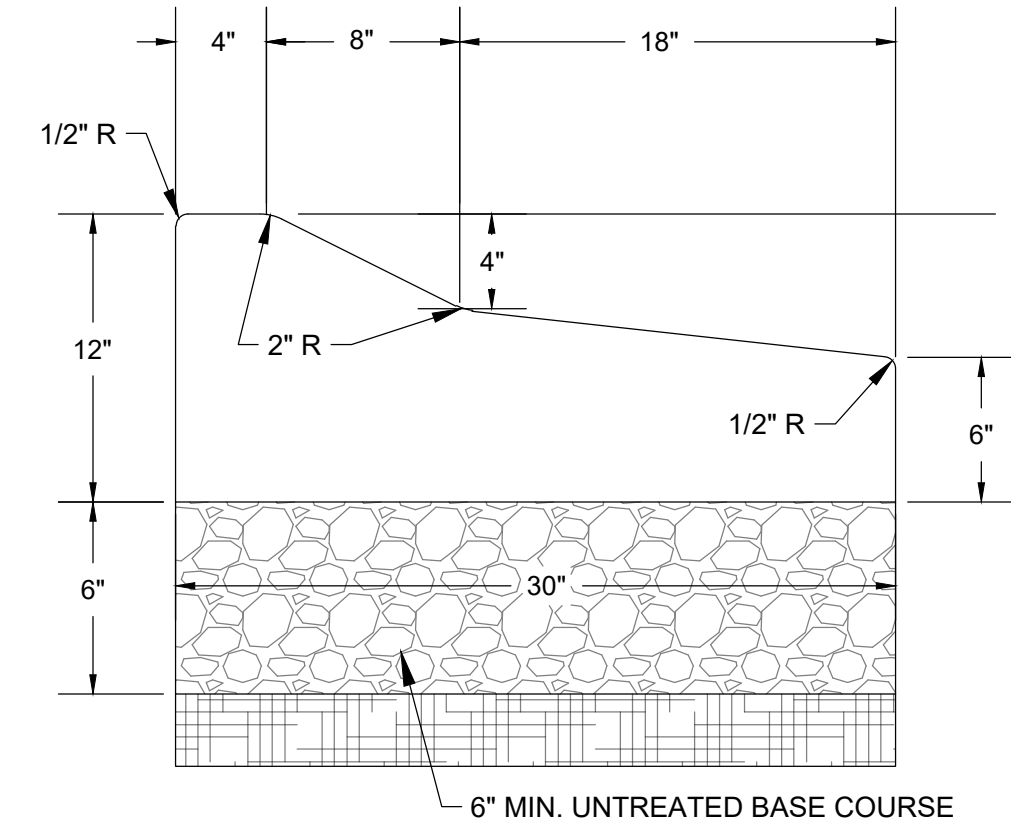
1 APWA TYPE R CURB AND GUTTER DETAIL
SEE APWA PLAN 209 FOR ADDITIONAL INFO



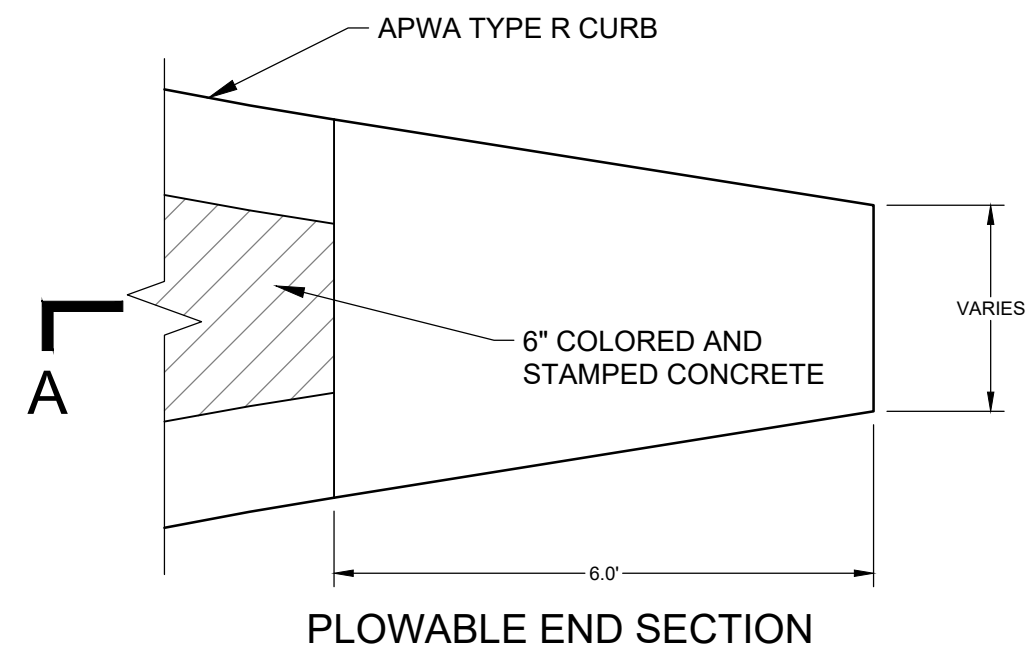
2 APWA TYPE F CURB AND GUTTER DETAIL
SEE APWA PLAN 205.2 FOR ADDITIONAL INFO



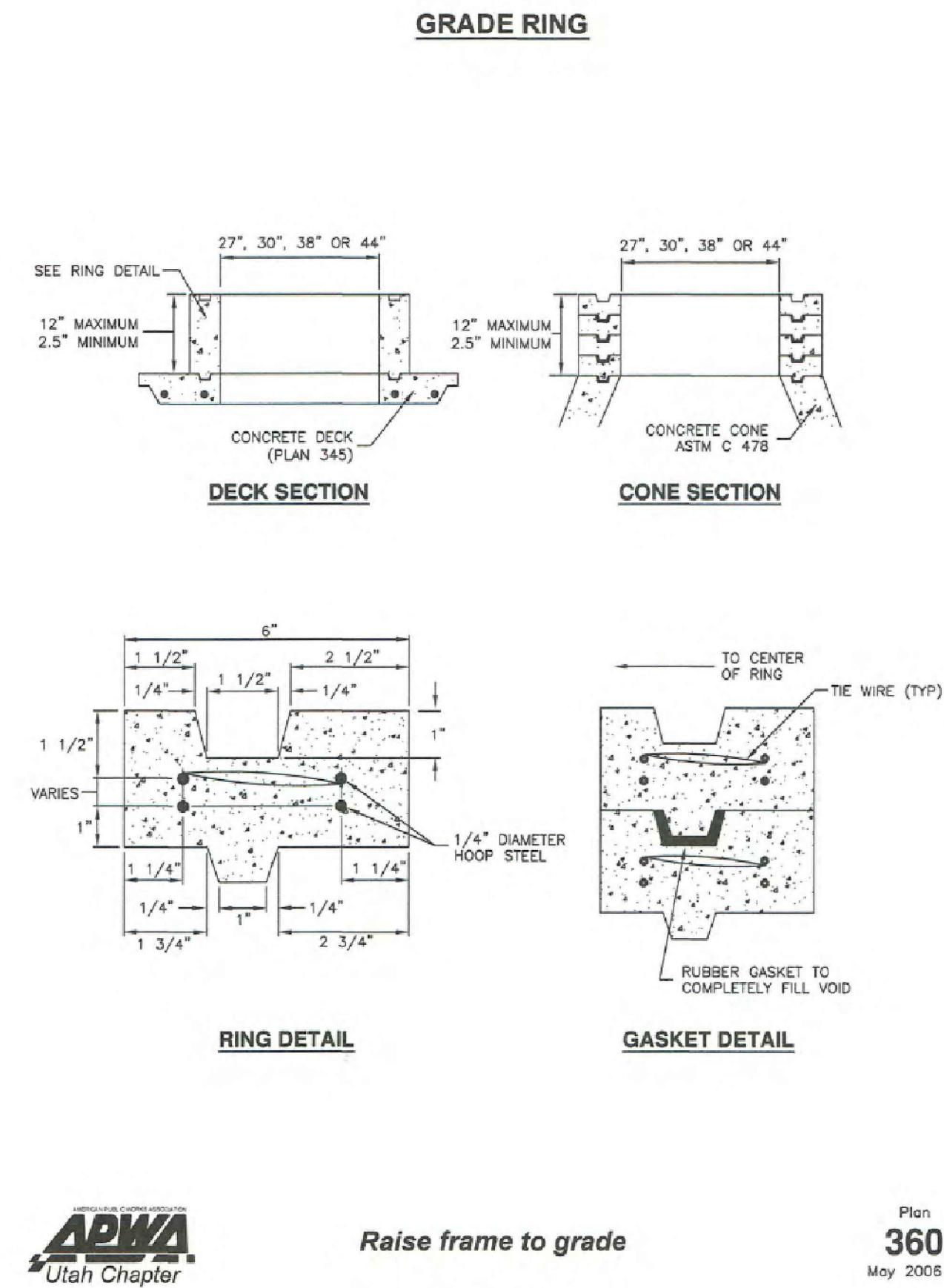
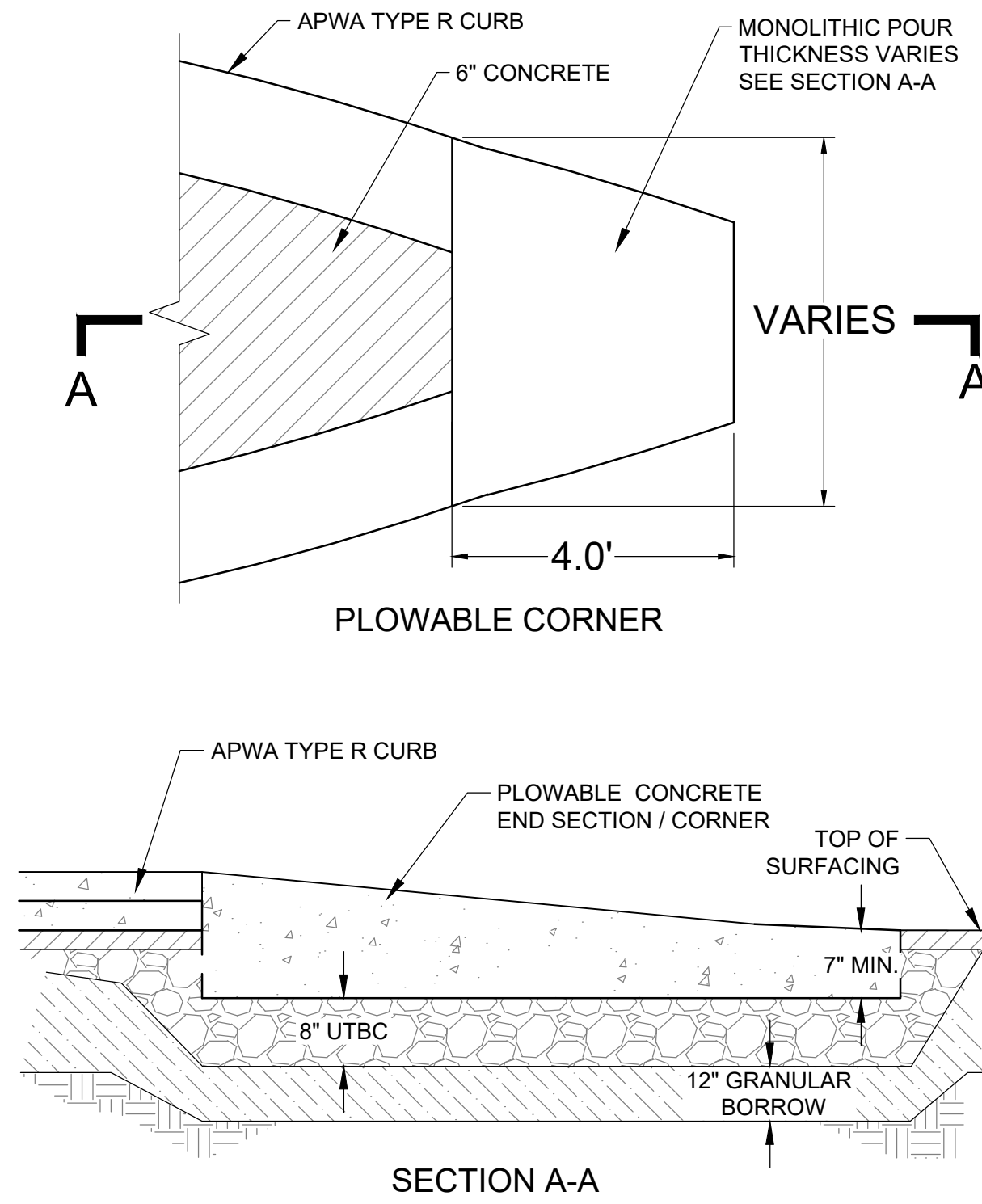
3 APWA TYPE Q CURB AND GUTTER DETAIL
SEE APWA PLAN 205.2 FOR ADDITIONAL INFO



4 TYPE F MODIFIED CURB AND GUTTER DETAIL



5 PLOWABLE END SECTION/CORNER DETAIL



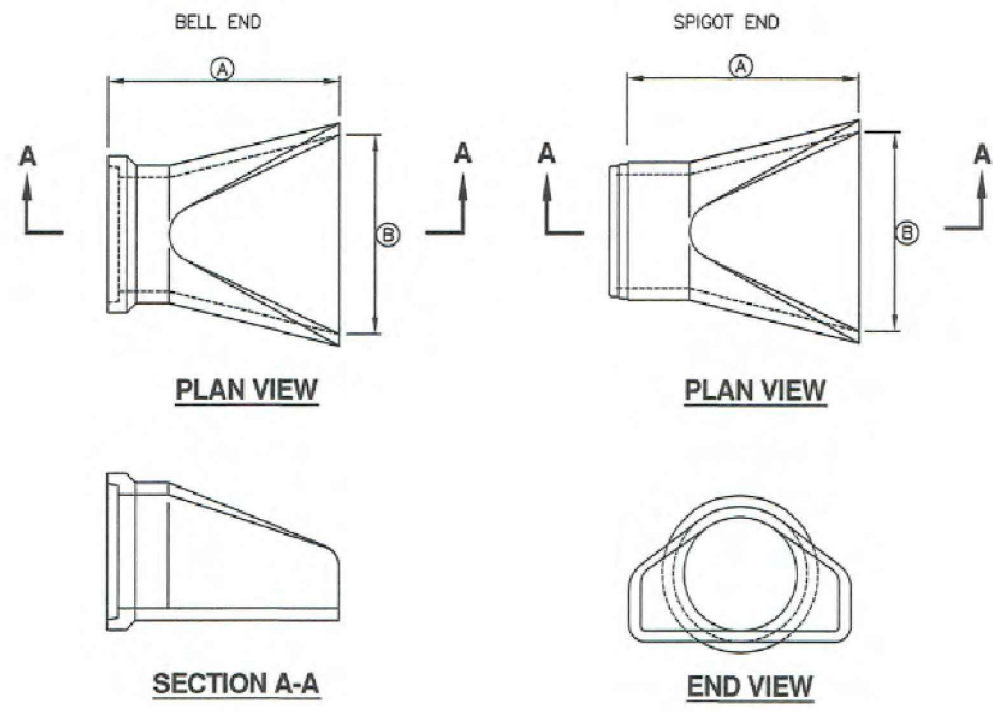
6 APWA ADJUST MANHOLE FRAME TO GRADE DETAIL
SEE APWA PLAN 360.1 FOR ADDITIONAL INFO

REVISIONS			
MARK	DATE	DESCRIPTION	
2	06/19/2025	W ROUNDABOUT LANE	
1	06/18/2025	W ROUNDABOUT SHIFT	

PROJECT NO:	24487
DATE:	04.29.2025
DESIGN BY:	JOSHUA B.
CHECKED BY:	JEFFREY P.
SHEET TITLE	

DETAILS

ROUND WITH FLARE



PIPE SIZE	DIMENSION (A) (B) (C)
18"	73" 36"
24"	73" 48"
30"	73" 60"
36"	97" 72"
42"	98" 78"
48"	98" 84"

NOTE: MINIMUM DIMENSIONS ARE SHOWN. ACTUAL SIZES MAY BE SLIGHTLY LARGER.

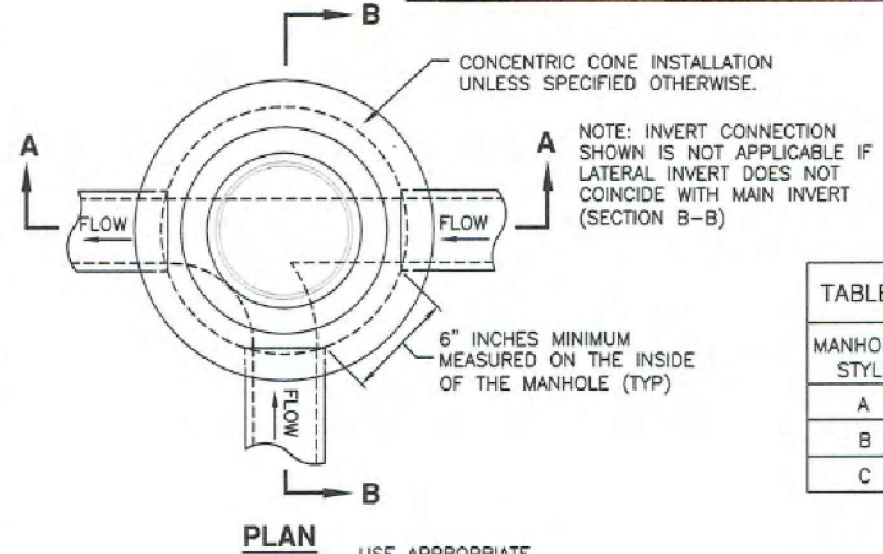


Pipe outfall

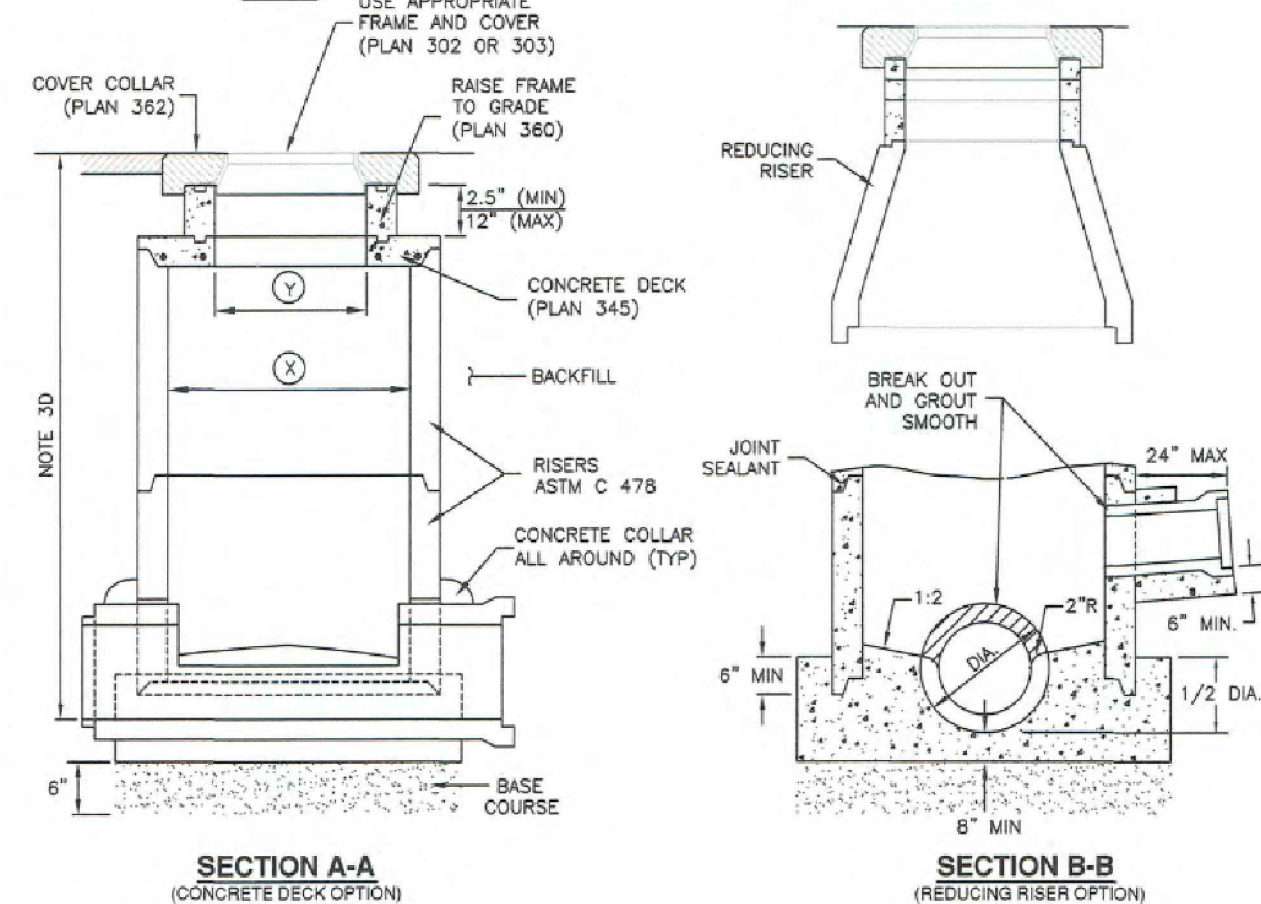
Plan 323.1
November 2010

1 APWA PIPE OUTFALL DETAIL
SEE APWA PLAN 323.1 FOR ADDITIONAL INFO

PIPE PASS THROUGH BASE



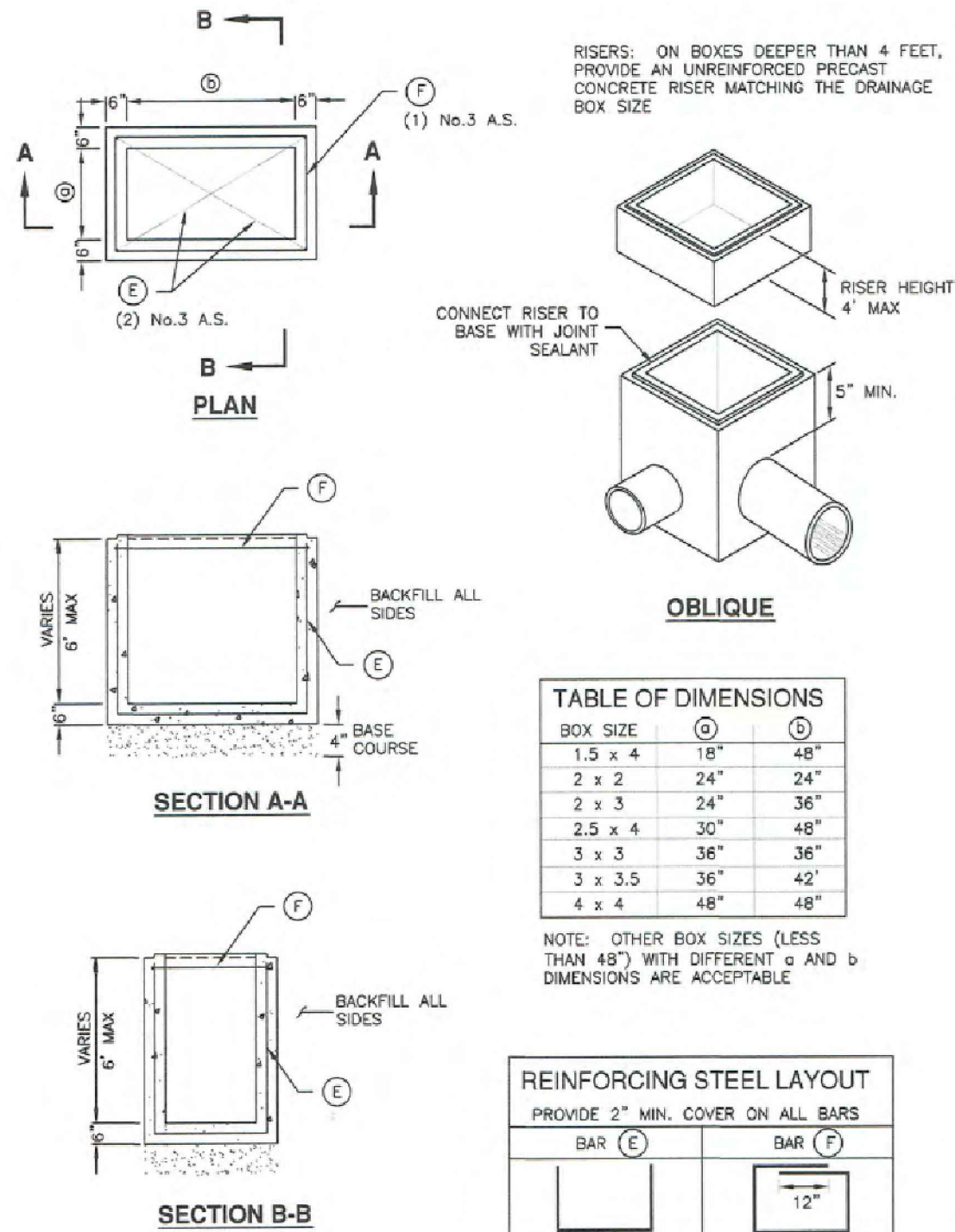
MANHOLE STYLE	DIMENSION (A) (B) (C)
A	48" 30"
B	60" 44"
C	60" 30"



Precast manhole

Plan 341.2
November 2010

4 APWA PRECAST MANHOLE DETAIL
SEE APWA PLAN 341.2 FOR ADDITIONAL INFO



BOX SIZE	(A) (B) (C)
1.5 x 4	18" 48"
2 x 2	24" 24"
2 x 3	24" 36"
2.5 x 4	30" 48"
3 x 3	36" 36"
3 x 3.5	36" 42"
4 x 4	48" 48"

NOTE: OTHER BOX SIZES (LESS THAN 48") WITH DIFFERENT a and b DIMENSIONS ARE ACCEPTABLE.

BAR (E)	BAR (F)
12"	12"

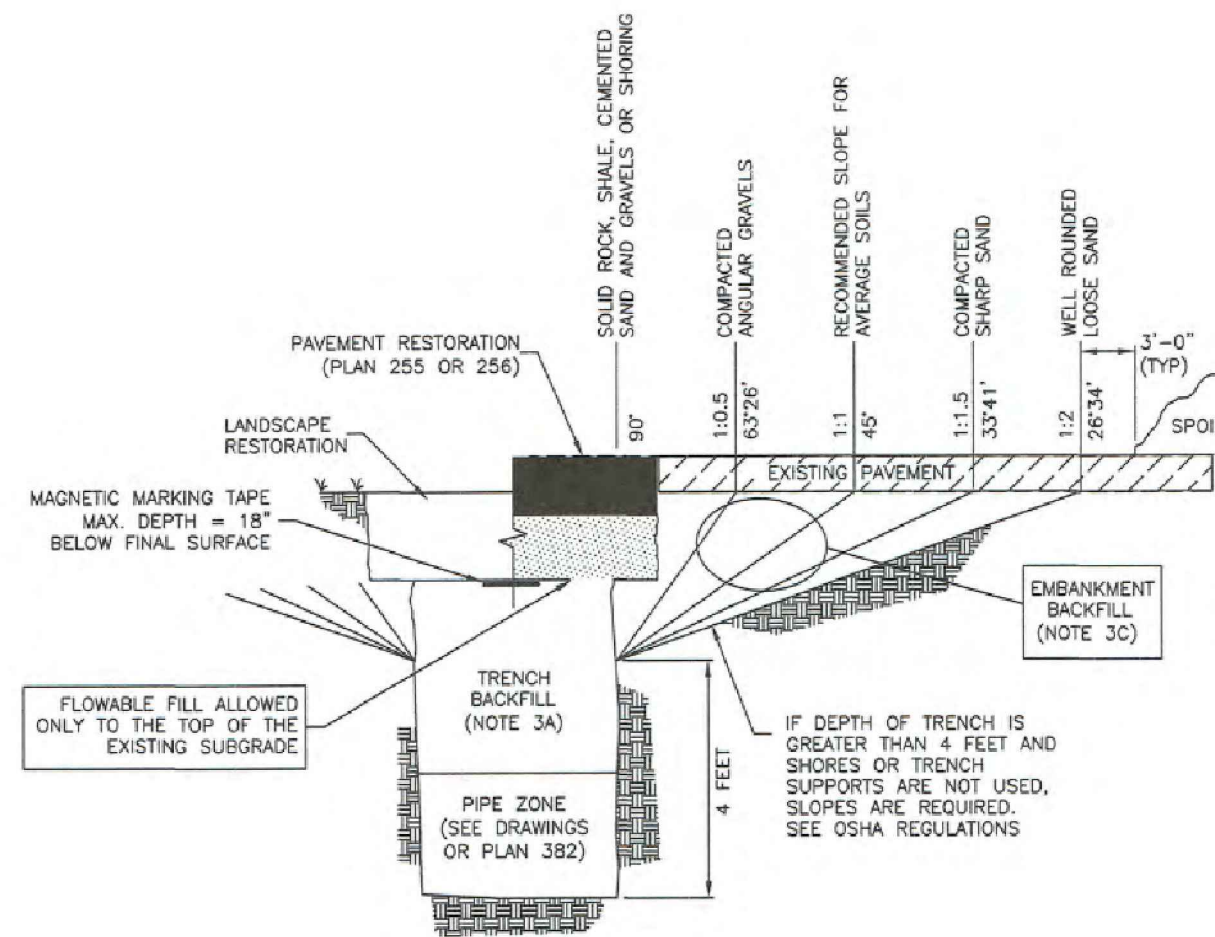


Precast box

Plan 332
June 2010

2 APWA PRECAST BOX DETAIL
SEE APWA PLAN 332 FOR ADDITIONAL INFO

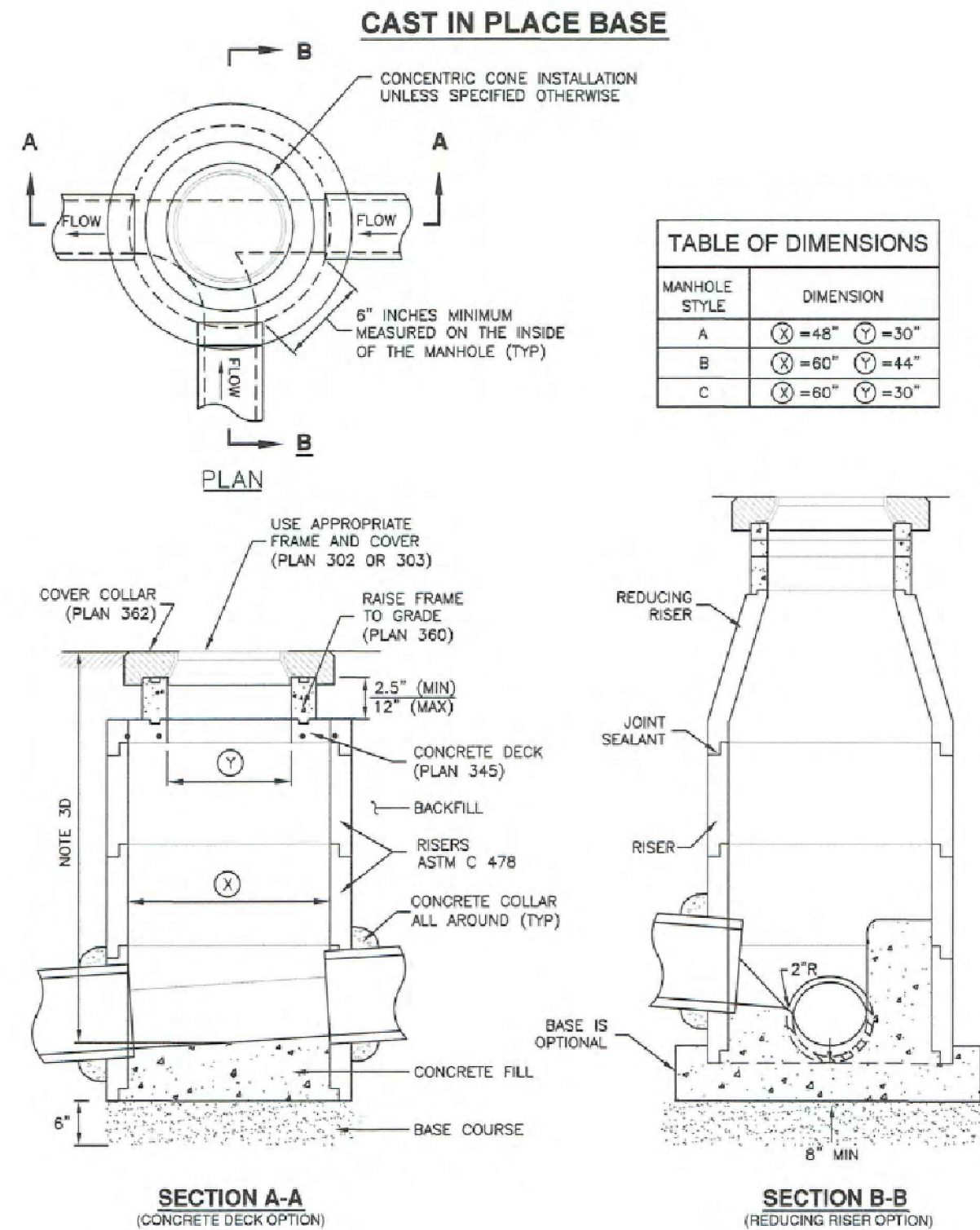
NARRATIVE: THIS PLAN SHOWS VARIOUS SLOPES RECOMMENDED FOR VARIOUS TYPES OF SLOPE STABILITY PROBLEMS. THE VERTICAL TEXT INDICATES VARIOUS MATERIALS THAT MAY BE ENCOUNTERED. THE SERVICES OF A PROFESSIONAL SOILS ENGINEER SHOULD BE USED TO VERIFY SLOPE STABILITY.



Trench backfill

Plan 381
July 2016

5 APWA TRENCH BACKFILL DETAIL
SEE APWA PLAN 381 FOR ADDITIONAL INFO



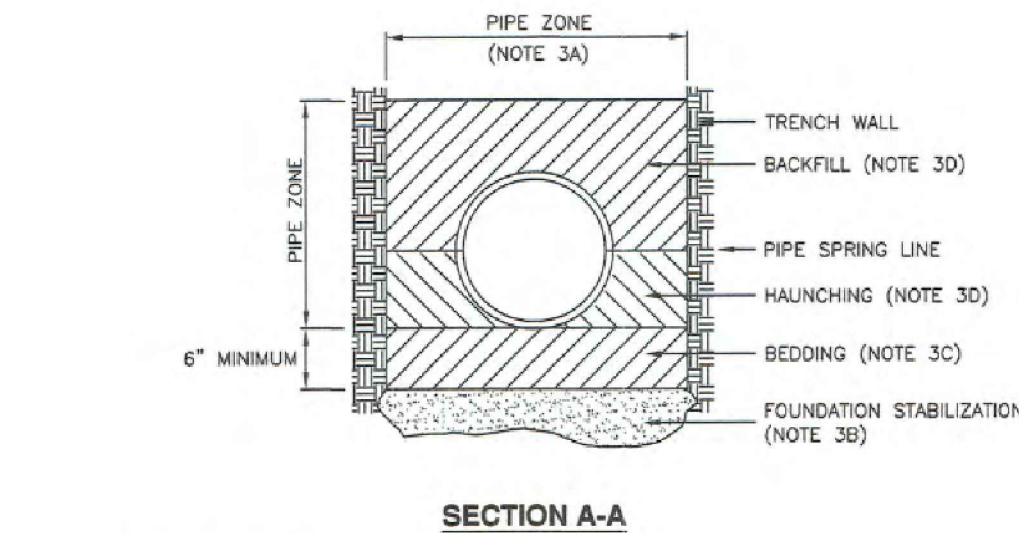
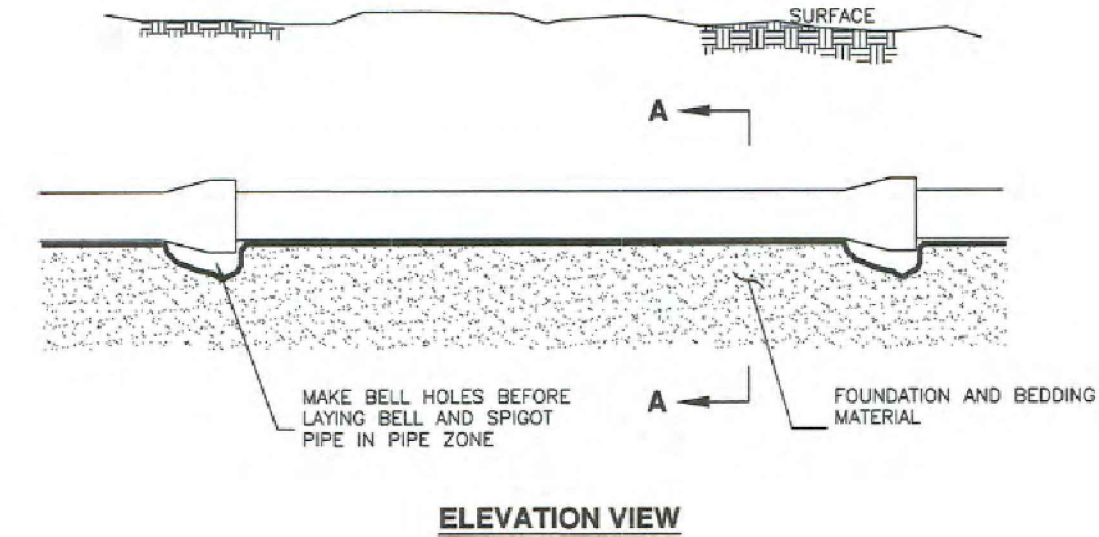
MANHOLE STYLE	DIMENSION (A) (B) (C)
A	48" 30"
B	60" 44"
C	60" 30"



Precast manhole

Plan 341.1
November 2010

3 APWA PRECAST MANHOLE DETAIL
SEE APWA PLAN 341.1 FOR ADDITIONAL INFO



INSTALLATION

CONCRETE PIPE: FOLLOW ASTM C 1479
"STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPE USING STANDARD INSTALLATIONS."

PLASTIC PIPE: FOLLOW ASTM D 2321
"STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS"

CORRUGATED METAL PIPE: FOLLOW ASTM A 798
"STANDARD PRACTICE FOR INSTALLING FACTORY-MADE CORRUGATED STEEL PIPE FOR SEWERS AND OTHER APPLICATIONS."

VITRIFIED CLAY PIPE: FOLLOW ASTM C 12.
"STANDARD RECOMMENDED PRACTICE FOR INSTALLING VITRIFIED CLAY PIPE LINES."



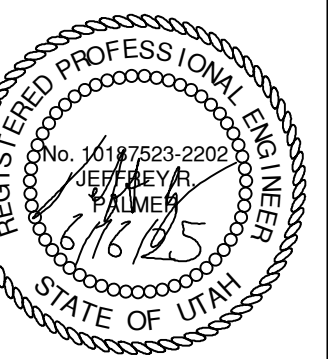
Pipe zone backfill

Plan 382
January 2011

6 APWA PIPE ZONE BACKFILL DETAIL
SEE APWA PLAN 382 FOR ADDITIONAL INFO



3160 W. Clubhouse Drive, Ste. A
Lehi, UT 84043
801.768.7200



NORDIC VALLEY
ROUNDABOUTS
WEBER COUNTY, UTAH

REVISIONS	DATE	DESCRIPTION
1	06/19/2025	W ROUNDABOUT LANE
2	06/18/2025	W ROUNDABOUT SHIFT

PROJECT NO: 24487
DATE: 04.29.2025
DESIGN BY: JOSHUA B.
CHECKED BY: JEFFREY P.
SHEET TITLE

DETAILS

C-402

19 OF 19

PERMIT