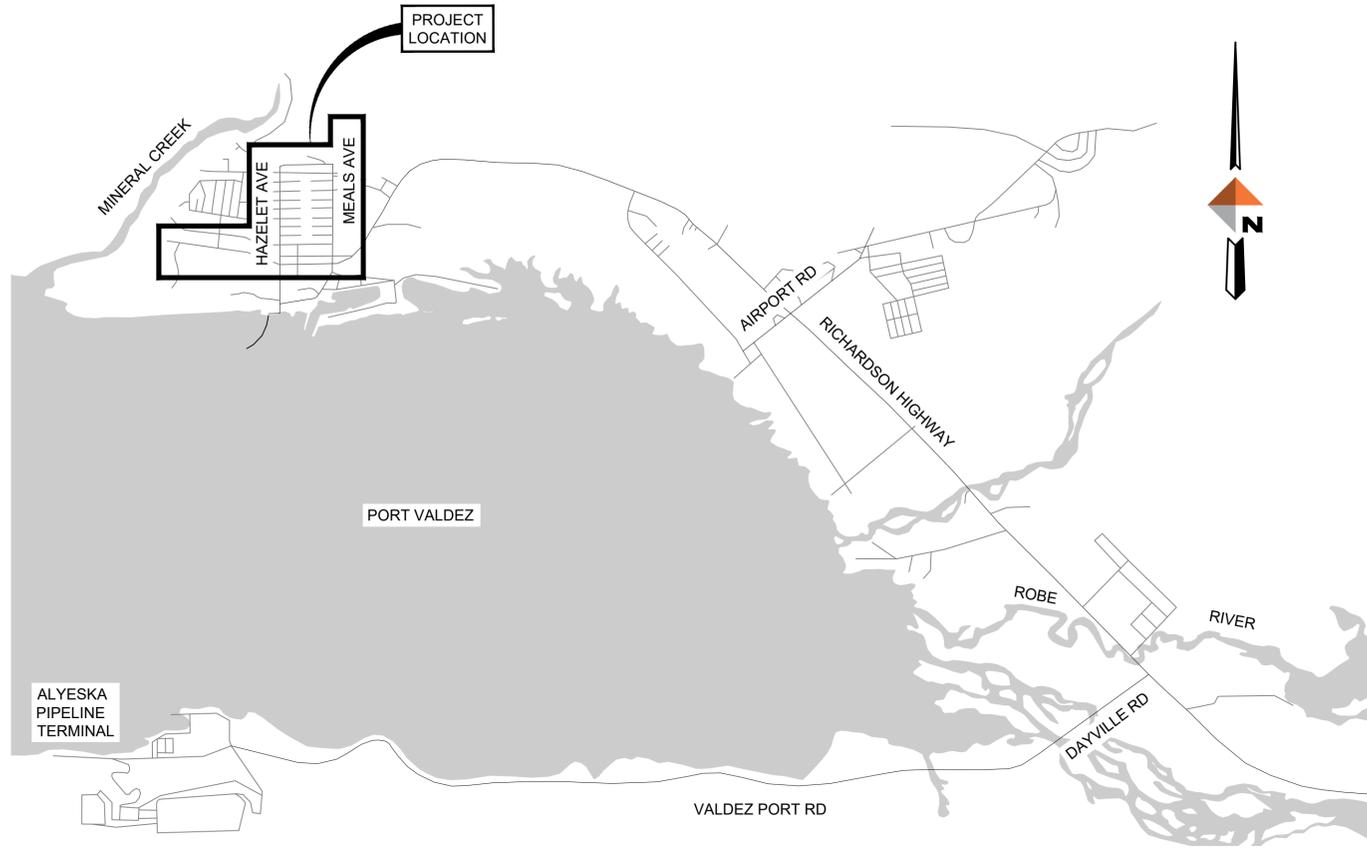


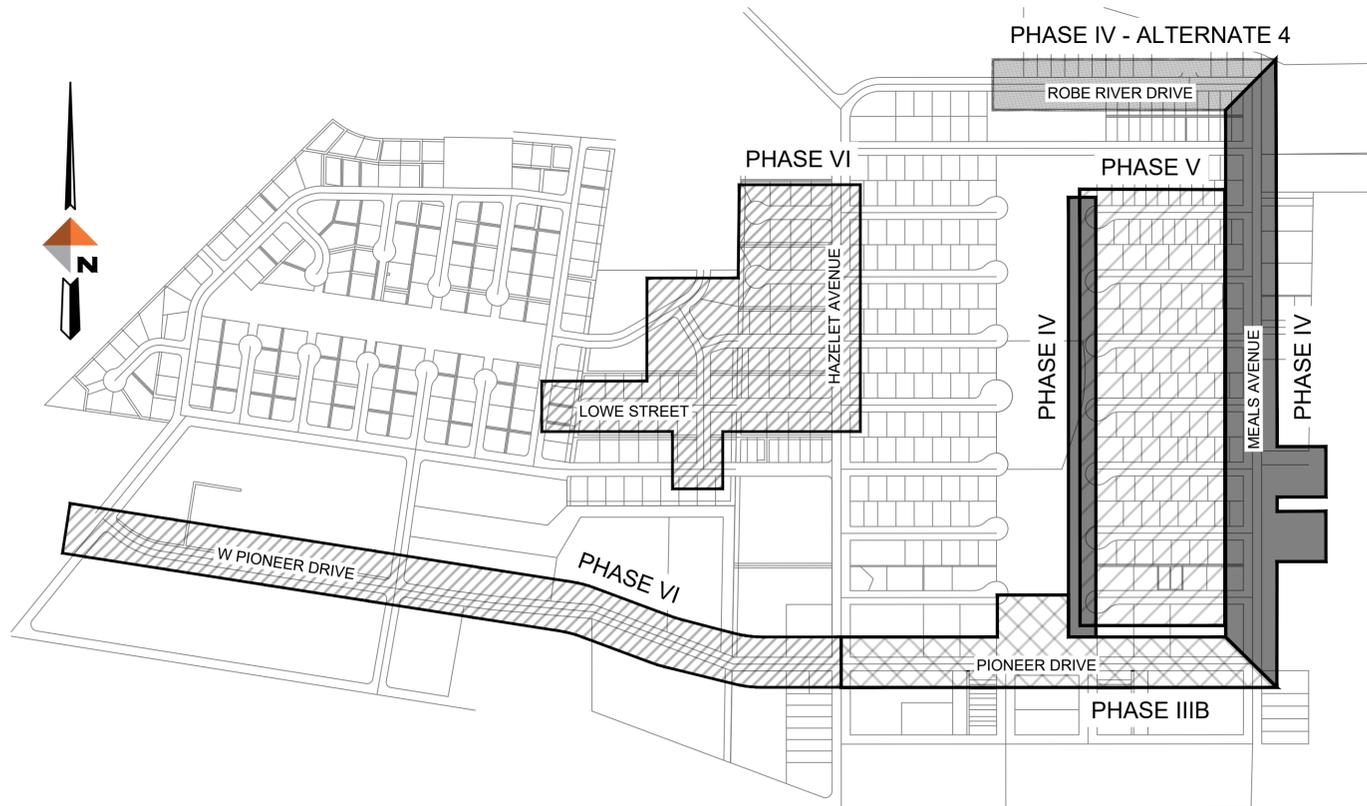
# VALDEZ PAVEMENT REHABILITATION

## PHASE IV-MEALS AVENUE

### PROJECT NUMBER 22-310-1115



LOCATION MAP  
VALDEZ, AK



VICINITY MAP

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G-003	SITE PLAN AND KEY MAP
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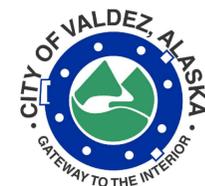
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VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
COVER SHEET  
VALDEZ, ALASKA

PREPARED FOR:



PREPARED BY:



5015 Business Park Blvd, Suite 4000  
Anchorage, Alaska 99503  
907-562-2000

PROJECT 63461.01  
DATE 01/16/2026

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G-001

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF VALDEZ, 2003 STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAILS.
- EXISTING GROUND CONTOURS BASED ON DOWL TOPOGRAPHIC SURVEY PERFORMED JUNE, 2022. CONTRACTOR SHALL VERIFY SITE CONDITIONS.
- SOILS INFORMATION IS DERIVED FROM SOILS INVESTIGATION PERFORMED BY DOWL. SEE GEOTECHNICAL REPORT DATED JULY, 2022 AND TITLED VALDEZ PAVEMENT REHABILITATION, PHASES IV-VI, VALDEZ, ALASKA GEOTECHNICAL EXPLORATION AND RECOMMENDATIONS.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS BY OBTAINING UTILITY LOCATES PRIOR TO BEGINNING CONSTRUCTION. COORDINATE UTILITY RELOCATION WITH SERVICE PROVIDERS. EXERCISE CAUTION DURING EXCAVATION.
- VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION, RECORD LOCATIONS AND CHANGES TO UTILITIES IN SURVEY NOTES AND ON AS BUILT DRAWINGS.
- VERIFY INVERTS AND LOCATIONS OF ALL UTILITY CONNECTION POINTS PRIOR TO INSTALLING PIPE. REPORT DISCREPANCIES FROM PLANS IMMEDIATELY TO OWNER'S REPRESENTATIVE.
- ADJUST ALL EXISTING MANHOLES AND VALVE BOXES, WITHIN THE LIMITS OF CONSTRUCTION, TO 1/2" BELOW FINISHED GRADE.
- ELEVATIONS SHOWN ARE TO PIPE INVERT, FLOW LINE, OR FINISH PAVEMENT SURFACE, UNLESS NOTED OTHERWISE.
- DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT, GRADE BREAK, EDGE OF CONCRETE, BACK OF CURB, OR FACE OF SIDEWALK UNLESS NOTED OTHERWISE.
- ALL CURB RADII ARE MEASURED AT THE BACK OF CURB, EDGE OF CONCRETE, OR FACE OF SIDEWALK.
- RESTORE ALL DISTURBED PROPERTY OUTSIDE OF WORK LIMITS TO ORIGINAL CONDITIONS.
- DEWATERING MAY BE REQUIRED FOR ALL EXCAVATIONS THAT PENETRATE THE GROUND WATER SURFACE. WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORT MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO, THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION, AND ENVIRONMENTAL PROTECTION AGENCY ARE OBTAINED BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO DIVERT WATER FROM THE EXCAVATION ONTO ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL PROVIDE COPIES OF PERMITS AND APPROVAL TO THE ENGINEER.
- THE CONTRACTOR SHALL FOLLOW ALL CITY REGULATIONS FOR NOISE, HOURS OF OPERATIONS, AND DUST CONTROL.
- THE AUTOCAD FILE FOR THIS SITE PLAN WILL BE PROVIDED TO THE CONSTRUCTION SURVEYOR FOR USE IN STAKING THE LOCATION OF THE SITE IMPROVEMENTS. LAYOUT INFORMATION IS PROVIDED IN THIS PLAN SET FOR THE SURVEYOR TO CHECK AGAINST. THE SURVEYOR SHALL INFORM THE ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- THE CONTRACTOR SHALL PROVIDE CONTROLS TO LIMIT SEDIMENT DISCHARGE DUE TO SOIL EROSION. THESE CONTROLS SHALL INCLUDE REGULAR SWEEPING OF STREETS ADJACENT TO THE SITE THAT ACCUMULATE SITE SOILS. ADDITIONAL CONTROLS MAY BE REQUIRED IF THESE MEASURES PROVE INADEQUATE. THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- KEEP SITE FREE OF LITTER.
- THE CONTRACTOR SHALL ENSURE UNINTERRUPTED GARBAGE PICKUP AND MAIL SERVICE TO ALL RESIDENCES IMPACTED BY THIS PROJECT.
- ALL EXISTING PIPES (6-INCH DIAMETER AND LARGER) TO BE ABANDONED WITHIN THE ROADWAY CORRIDOR SHALL BE REMOVED AND DISPOSED OF, OR FILLED WITH CEMENTITIOUS SLURRY, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON-SITE, AND SHALL KEEP DAILY REDLINES FOR ANY CHANGES TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL ALSO RECORD HORIZONTAL AND VERTICAL LOCATIONS FOR ALL UTILITIES NOT SHOWN ON THE PLANS, BUT ENCOUNTERED DURING THE WORK.
- EXISTING PIPE LOCATIONS ARE DERIVED FROM SURVEY RECORD DRAWINGS, UTILITY LOCATES, OR APPROXIMATED FROM AVAILABLE INFORMATION. ACTUAL LOCATIONS MAY VARY FROM THOSE SHOWN. DEPTHS OF EXISTING PIPES SHOWN ON THE PROFILE ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CALL OR REQUEST LOCATES PRIOR TO CONSTRUCTION AND SHALL FIELD-VERIFY ALL PIPE AND UTILITY LOCATIONS. ANY DAMAGE TO THE EXISTING PIPES AND UTILITIES IDENTIFIED SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF VALDEZ WATER DEPARTMENT (907-835-4888) OF ANY WATER MAIN INTERRUPTIONS AND SHALL COORDINATE ALL VALVE OPERATION WITH CITY OF VALDEZ.
- THE UTILITY COMPANIES MAY CONDUCT WORK WITHIN THE PROJECT LIMITS TO RELOCATE AND UPGRADE THEIR RESPECTIVE SYSTEMS. THE CONTRACTOR SHALL COORDINATE ITS ACTIVITIES WITH EACH UTILITY AND PROVIDE ACCESS AS NECESSARY FOR THE UTILITIES TO CONDUCT THEIR WORK.
- THE PLAN SHEETS DO NOT SHOW ALL OF THE TREES AND OTHER VEGETATION WITHIN THE PROJECT LIMITS. NO TREES OR OTHER VEGETATION SHALL BE REMOVED OR DAMAGED, UNLESS SHOWN ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT, OR OPERATE EQUIPMENT WITH ITS TRACKS OR WHEELS PLACED ON PRIVATE PROPERTY, WITHOUT WRITTEN APPROVAL FROM THE OWNER.
- THE CONTRACTOR SHALL NOTIFY EACH AFFECTED RESIDENT OF EACH VEHICULAR DRIVEWAY CLOSURE, AND THE ANTICIPATED DURATION OF THE CLOSURE, ON THE DAY PRECEDING EACH CLOSURE. NO WORK SHALL BE PERFORMED WITHIN THE DRIVEWAY, WHETHER IN THE PUBLIC RIGHT OF WAY OR NOT, UNTIL THIS CONDITION HAS BEEN MET.
- "JUMPING JACK" OR SIMILAR TYPE COMPACTORS SHALL BE USED TO THOROUGHLY COMPACT ALL LAYERS OF MATERIAL AROUND WATER VALVE BOXES, CATCH BASINS, AND MANHOLES AND OTHER STRUCTURES, THAT CANNOT BE COMPACTED WITH LARGER COMPACTION EQUIPMENT.
- BEGIN SUBCUTS AT 24-INCHES FROM PAVEMENT SAWCUT LINES AT STREET CONNECTIONS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS, OR DIRECTED BY THE ENGINEER. REMOVE AND REPLACE THE LEVELING COURSE TO WITHIN 12-INCHES OF THE SAWCUT LINE, AND DO NOT MAKE FINAL SAWCUT UNTIL THE DAY OF PAVING. APPLY TACK COAT TO THE FINAL SAWCUT PRIOR TO PAVING.
- MINOR REVISIONS TO ROADWAY GRADING AND ALIGNMENT, AS WELL AS STORM DRAIN CULVERT ALIGNMENT AND GRADES, SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY ORGANIC OR FROST-SUSCEPTIBLE MATERIAL ENCOUNTERED AT THE BOTTOM OF THE SUBCUT LIMITS OR WITHIN THE TRENCHING OPERATIONS.

**ABBREVIATIONS**

AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT
ADD ALT	ADDITIVE ALTERNATE
AIP	APPLY IN PLACE
BOP	BEGINNING OF PROJECT
BOT	BOTTOM
BS	BOTTOM OF STEP
C&G	CURB AND GUTTER
CB	CATCH BASIN
CBMH	CATCH BASIN MANHOLE
CL	CENTER LINE
CMP	CORRUGATED METAL PIPE
CIPP	CURED IN PLACE PIPE
COMM	COMMUNICATIONS
CONC	CONCRETE
COV	CITY OF VALDEZ
CPEP	CORRUGATED POLYETHYLENE PIPE
CTE	CONNECT TO EXISTING
DI	DUCTILE IRON
DIA	DIAMETER
EL	ELEVATION
EOP	END OF PROJECT
ESCP	EROSION AND SEDIMENT CONTROL PLAN
FH	FIRE HYDRANT
FL	FLOW LINE
FG	FINISHED GRADE
GV	GATE VALVE
INV	INVERT
LF	LINEAR FEET
LG	LIP OF GUTTER
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MN	MAGNETIC NAIL
ME	MATCH TO EXISTING
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NO	NUMBER
NTS	NOT TO SCALE
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
POC	POINT ON CURVE
PRC	POINT OF REVERSE CURVATURE
PST	PERFORATED STEEL TUBE
PVC	POLYVINYL CHLORIDE PIPE
RMP	RAMP
ROW	RIGHT-OF-WAY
RSS	REDUCED SUBGRADE STRENGTH
RT	RIGHT
SDMH	STORM DRAIN MANHOLE
SHLD	SHOULDER
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
TBC	TOP BACK OF CURB
TBVG	TOP BACK OF VALLEY GUTTER
TCONC	TOP OF CONCRETE
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TSW	TOP OF SIDEWALK
TTCP	TEMPORARY TRAFFIC CONTROL PLAN
TYP	TYPICAL
UD	UNDER DRAIN
UON	UNLESS OTHERWISE NOTED
W	WATER
WV	WATER VALVE

**ALIGNMENT ABBREVIATIONS**

AL	ALATNA
BR	BREMNER
CH	CHENA
DA	DADINA
EK	EKLUTNA
FO	FORAKER
GU	GULKANA
LO	LOWE
ME	MENDELTONA
NA	NABESNA
OU	QUMALIK
PA	PACIFIC
PE	PIONEER (EAST)
PW	PIONEER (WEST)
RR-ML	ROBE RIVER-MEALS
TGR	TEMPORARY GRAVEL ROAD

**LEGEND**

DESCRIPTION	EXISTING	PROPOSED
SURVEY MONUMENT		
SURVEY POINT NUMBER		
TESTBORE		
FIELD DRAIN		
CATCH BASIN		
STORM MANHOLE		
TYPE III STORM MANHOLE		
SEWER MANHOLE		
SEWER CLEANOUT		
TRANSFORMER		
LIGHT POLE		
UTILITY JUNCTION BOX		
ELECTRIC METER		
COMMUNICATION MANHOLE		
COMMUNICATION PEDESTAL		
FIBER HANDHOLE		
FIBER VAULT		
FIRE HYDRANT		
WATER VALVE		
GAS METER		
BOLLARD/POST		
SIGN		
DECIDUOUS TREE		
CONIFEROUS TREE		
BUILDING OUTLINE		
BUILDING OVERHANG		
CONCRETE		
WALL		
ROCK PILE		
ADA PAD		
FENCE LINE		
MAJOR CONTOUR (5 FOOT)		
MINOR CONTOUR (1 FOOT)		
COMMUNICATION LINE		
FIBER OPTIC LINE		
ELECTRIC LINE		
GAS LINE		
WATER LINE		
SEWER LINE		
STORM DRAIN LINE		
BOUNDARY LINE		
EASEMENT LINE		
ADJACENT PROPERTY LINE		
RIGHT OF WAY LINE		
RIGHT OF WAY CENTERLINE		
EDGE OF ASPHALT		
EDGE OF GRAVEL		
EDGE OF ROAD W/CURBING		
DISTURBANCE LIMITS		

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VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
**NOTES, LEGEND, AND ABBREVIATIONS**

**BEFORE YOU DIG  
 CALL FOR FREE  
 UNDERGROUND  
 LOCATION**

Locate Call Center of Alaska  
 Anchorage Area.....278-3121  
 Statewide.....800-478-3121  
 who will notify subscribed utilities only.  
 Other utilities need to be contacted  
 individually.

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**G-002**

**TRAFFIC CONTROL AND PHASING**

**GENERAL**

- A. ALL STAGING AREAS USED SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE COMPLETION OF THE PROJECT PHASE.
- B. ALL TRAFFIC CONTROL OPERATIONS SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ALASKA TRAFFIC MANUAL AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL SIGNS SHALL BE FABRICATED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ALASKA SIGN SPECIFICATIONS AND THE MUTCD.
- C. TEMPORARY TRAFFIC CONTROL (TTC) PLANS FOR EACH PHASE AND FOR SPECIFIC CONSTRUCTION ACTIVITIES THAT CANNOT BE EXECUTED WITHIN A PARTICULAR PHASE TTC, SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER AT LEAST 7 DAYS IN ADVANCE OF THE WORK UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- D. TEMPORARY TRAFFIC LANES SHALL BE A MINIMUM OF 10-FT WIDE.
- E. WHEN CONSTRUCTION ACTIVITIES REQUIRE THE CLOSURE OF THE EXISTING OR NEW SIDEWALKS, ALTERNATIVE PEDESTRIAN ROUTES THROUGH OR AROUND THE ACTIVE CONSTRUCTION ZONE SHALL BE ESTABLISHED.
- F. WITH THE EXCEPTION OF CONCRETE POURS AND DRIVEWAY WORK VEHICULAR ACCESS SHALL BE MAINTAINED TO EACH LOT WITHIN THE PROJECT LIMITS AT ALL TIMES.

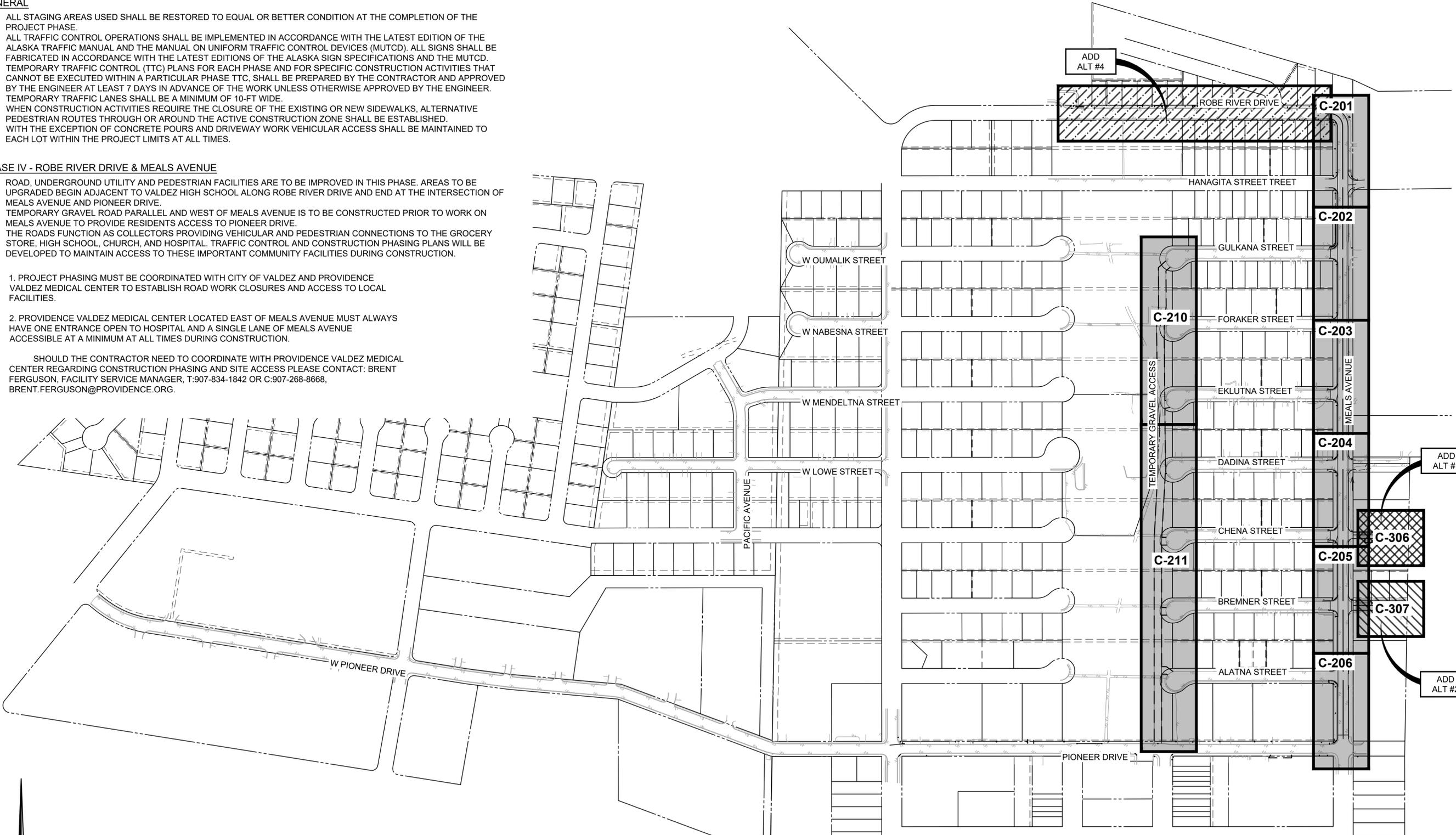
**PHASE IV - ROBE RIVER DRIVE & MEALS AVENUE**

- A. ROAD, UNDERGROUND UTILITY AND PEDESTRIAN FACILITIES ARE TO BE IMPROVED IN THIS PHASE. AREAS TO BE UPGRADED BEGIN ADJACENT TO VALDEZ HIGH SCHOOL ALONG ROBE RIVER DRIVE AND END AT THE INTERSECTION OF MEALS AVENUE AND PIONEER DRIVE.
- B. TEMPORARY GRAVEL ROAD PARALLEL AND WEST OF MEALS AVENUE IS TO BE CONSTRUCTED PRIOR TO WORK ON MEALS AVENUE TO PROVIDE RESIDENTS ACCESS TO PIONEER DRIVE.
- C. THE ROADS FUNCTION AS COLLECTORS PROVIDING VEHICULAR AND PEDESTRIAN CONNECTIONS TO THE GROCERY STORE, HIGH SCHOOL, CHURCH, AND HOSPITAL. TRAFFIC CONTROL AND CONSTRUCTION PHASING PLANS WILL BE DEVELOPED TO MAINTAIN ACCESS TO THESE IMPORTANT COMMUNITY FACILITIES DURING CONSTRUCTION.

1. PROJECT PHASING MUST BE COORDINATED WITH CITY OF VALDEZ AND PROVIDENCE VALDEZ MEDICAL CENTER TO ESTABLISH ROAD WORK CLOSURES AND ACCESS TO LOCAL FACILITIES.

2. PROVIDENCE VALDEZ MEDICAL CENTER LOCATED EAST OF MEALS AVENUE MUST ALWAYS HAVE ONE ENTRANCE OPEN TO HOSPITAL AND A SINGLE LANE OF MEALS AVENUE ACCESSIBLE AT A MINIMUM AT ALL TIMES DURING CONSTRUCTION.

SHOULD THE CONTRACTOR NEED TO COORDINATE WITH PROVIDENCE VALDEZ MEDICAL CENTER REGARDING CONSTRUCTION PHASING AND SITE ACCESS PLEASE CONTACT: BRENT FERGUSON, FACILITY SERVICE MANAGER, T:907-834-1842 OR C:907-268-8668, BRENT.FERGUSON@PROVIDENCE.ORG.



	<b>BASE BID: MEALS AVENUE</b>	
	<b>ADDITIVE ALTERNATE #1: EAST CHENA STREET REPAVING</b>	
	<b>ADDITIVE ALTERNATE #2: EAST BREMNER STREET REPAVING AND STORM UTILITY REPLACEMENT</b>	
	<b>ALTERNATE #3: HDPE CONDUIT REPLACES RIGID CONDUIT IN BASE PLANS</b>	
	<b>ADDITIVE ALTERNATE #4: ROBE RIVER DRIVE</b>	(UNDER SEPARATE COVER)
	<b>ADDITIVE ALTERNATE #5: FIBER OPTIC CONDUIT MEALS AVENUE</b>	
	<b>ADDITIVE ALTERNATE #6: FIBER OPTIC CONDUIT ROBE RIVER DRIVE</b>	(UNDER SEPARATE COVER)

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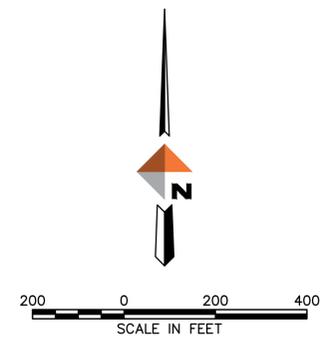
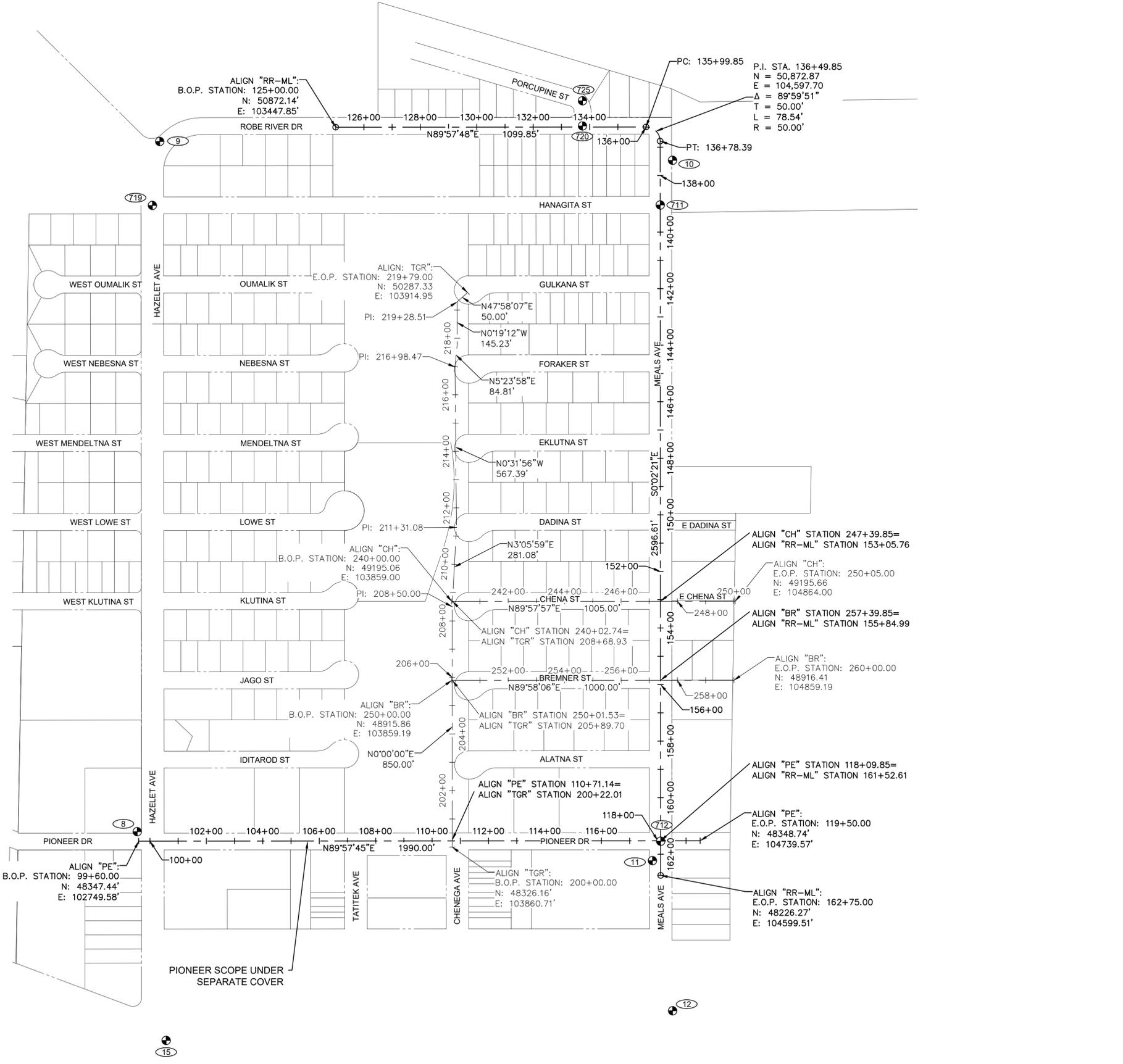
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
SITE PLAN AND KEY MAP  
VALDEZ, ALASKA

PROJECT 63461.01  
DATE 01/16/2026  
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**G-003**

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**SURVEY CONTROL NOTES**  
 HORIZONTAL CONTROL:  
 COORDINATES ARE BASED ON AN ASSUMED DATUM IN U.S. FEET. BEARINGS ARE BASED ON THE FINAL PLAT BLACK GOLD NO 1 DIVISION 1 FILED AS PLAT NO. 78-3 IN THE VALDEZ RECORDING DISTRICT, THIRD JUDICIAL DISTRICT, STATE OF ALASKA.

VERTICAL CONTROL:  
 ELEVATIONS ARE NAVD88(GEOD 12A) IN US SURVEY FEET. THE BASIS OF ELEVATIONS IS POINT 601, AN NGS BRASS CAP (PID: BBBB44) STAMPED "4240 T 2000", HAVING AN OPUS DERIVED VALUE OF 49.89 FEET.

**SURVEY MONUMENTS**

STATIC GPS TIED:

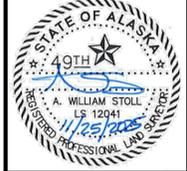
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
*1	49393.66	99959.88	54.37	ALCAP
*2	49755.79	101505.00	58.69	ALCAP
*3	49832.19	101025.73	63.02	ALCAP
*4	50417.76	101106.85	65.97	ALCAP
*5	49996.66	100078.42	59.70	ALCAP
*6	48929.31	99530.75	45.65	ALCAP
*7	48558.80	101468.28	45.80	ALCAP
*8	48380.91	102744.56	35.71	BRASS CAP
*9	50821.46	102824.23	58.09	BRASS CAP
*10	50755.02	104641.48	37.08	ALCAP
*11	48278.43	104570.40	21.72	BRASS CAP
*12	47747.39	104641.87	19.63	BRASS CAP
*13	49171.98	102254.73	44.61	ALCAP
*14	49927.19	102115.85	55.80	ALCAP
*15	47642.49	102847.16	31.29	ALCAP
*601	47016.69	102889.07	49.89	BRASS CAP

\* = MONUMENT NOT SHOWN

**"RR-ML" ALIGNMENT CONTROL MONUMENTS**

POINT	STATION	OFFSET	LOCAL NORTHING	LOCAL EASTING	NAVD88 ELEVATION	DESCRIPTION
720	133+74.59	4.01' LT	50876.7074	104322.4415	--	CTRL/FOUN.GPSS.BC
725	133+74.72	92.82' LT	50965.5231	104322.5181	--	CTRL/FOUN.GPSS.BC
10	137+46.27	43.70' LT	50755.0225	104641.4774	37.08	CTRL/SETN.GPSS.ALCAP
711	139+04.32	0.17' LT	50596.9436	104598.0610	--	CTRL/FOUN.GPSS.BC
719	139+04.51	1799.69' RT	50595.5252	102798.2043	--	CTRL/FOUN.GPSS.ALMON
712	161+54.27	0.15' LT	48346.9967	104599.5715	--	CTRL/FOUN.GPSS.ALCAP
11	162+22.82	29.07' RT	48278.4281	104570.3967	21.72	CTRL/SETN.GPSS.BC

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VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
 SURVEY CONTROL SHEET

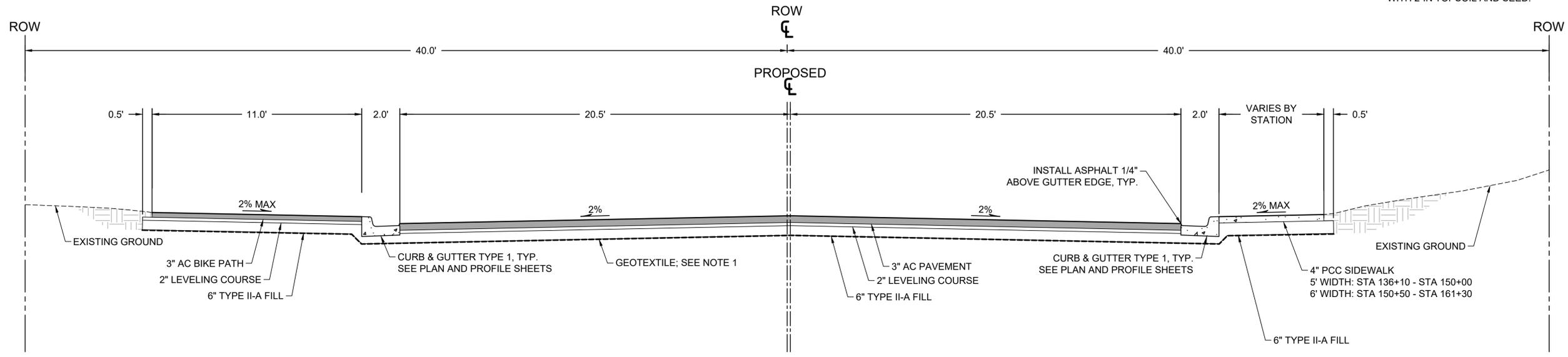
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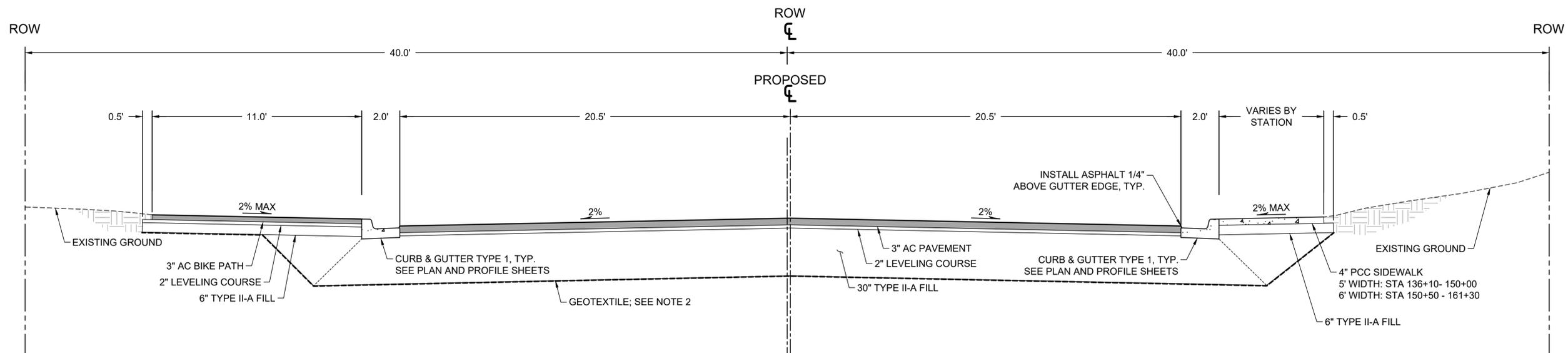
**NOTES**

1. GEOTEXTILE FOR RE-SURFACING SECTION TO BE A SEPARATION AND STABILIZATION GEOTEXTILE. GEOTEXTILE TO BE WOVEN MEETING CLASS 3 STRENGTH PER AASHTO M288 WHICH ALSO MEETS CRITERIA FOR TYPE A SEPARATION GEOTEXTILE PER CITY OF VALDEZ.
2. GEOTEXTILES USED UNDER REDUCED SUBGRADE SECTION SHALL BE WOVEN AND MEET CRITERIA FOR CITY OF VALDEZ (20.22) TYPE A, SEPARATION GEOTEXTILE.
3. LEVELING COURSE AND TYPE II-A FILL SHALL MEET REQUIREMENTS OF CITY OF VALDEZ GRADATION. SEE GEOTECHNICAL REPORT. CLASSIFIED FILL SHALL BE PLACED AND COMPACTED IN LIFTS NOT EXCEEDING 12 INCHES IN LOOSE THICKNESS IF A LARGE VIBRATORY COMPACTOR IS USED. EACH LIFT SHOULD BE COMPACTED THROUGHOUT ITS ENTIRE DEPTH TO A DENSITY OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR AASHTO T180.
4. EXCAVATIONS SHOULD BE COMPLETELY DEWATERED BEFORE PLACEMENT OF CLASSIFIED FILL. DO NOT PLACE FILL OR ASPHALT PAVEMENT OVER FROZEN SOILS. DO NOT FILL OR BACKFILL WITH FROZEN SOILS.
5. GRASS AREAS WITHIN WORK LIMITS SHALL BE REPLACED WITH 2-IN TOPSOIL AND SEED.



**MEALS AVENUE - TYPICAL SECTION**

STA: 135+92.81 TO 141+40.00  
 STA: 142+60.00 TO 151+15.00  
 STA: 152+35.00 TO 153+15.00  
 STA: 154+35.00 TO 155+90.00  
 STA: 157+10.00 TO EOP STA: 161+12.46



**MEALS AVENUE - REDUCED SUBGRADE STRENGTH (RSS) SECTION**

STA: 141+40.00 TO 142+60.00  
 STA: 151+15.00 TO 152+35.00  
 STA: 153+15.00 TO 154+35.00  
 STA: 155+90.00 TO 157+10.00

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VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
 TYPICAL SECTIONS  
 VALDEZ, ALASKA

PROJECT	63461.01
DATE	01/16/2026

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DRIVEWAY CURB CUT SUMMARY				
DRIVEWAY	ALIGNMENT	STATION	OFFSET	WIDTH
23	RR-ML	136+13.82	20.50 L	24'
24	RR-ML	158+55.39	20.50 L	48'

\*DRIVEWAY LOCATIONS ARE BASED ON THE CLOSEST EDGE OF DRIVEWAY TO THE BEGINNING OF STATIONING.

HYDRANT SUMMARY				
HYDRANT NO	ALIGNMENT	STATION	OFFSET	COMMENTS
344	RR-ML	138+76.78	37.50 R	
331	RR-ML	144+37.55	41.00 R	
322	RR-ML	149+97.40	41.50 R	
315	RR-ML	155+56.19	42.00 R	REPLACE VALVE AND ASSOCIATED PIPE
303	RR-ML	161+28.54	38.00 R	REPLACE VALVE AND ASSOCIATED PIPE

CURB RAMP SUMMARY				
CURB RAMP	ALIGNMENT	STATION	OFFSET	CURB RAMP TYPE
1004	RR-ML	136+45.93	22.50 R	PARALLEL
1005	RR-ML	138+64.06	22.50 R	TYPE II PARALLEL
1006	RR-ML	139+32.07	28.00 R	PARALLEL
1007	RR-ML	141+57.27	28.00 R	PARALLEL (MODIFIED SEE GRADING)
1008	RR-ML	142+28.35	22.50 R	TYPE II PARALLEL
1009	RR-ML	144+22.27	22.50 R	TYPE II PARALLEL
1010	RR-ML	144+93.32	28.00 R	PARALLEL
1011	RR-ML	147+17.14	28.00 R	PARALLEL
1012	RR-ML	147+88.21	22.50 R	TYPE II PARALLEL
1013	RR-ML	149+97.27	28.00 R	PARALLEL
1014	RR-ML	150+68.34	22.50 R	TYPE II PARALLEL
1015	RR-ML	152+79.29	29.54 R	PARALLEL
1016	RR-ML	153+48.73	22.50 R	TYPE II PARALLEL
1017	RR-ML	155+56.89	28.00 R	PARALLEL
1018	RR-ML	156+27.97	22.50 R	TYPE II PARALLEL
1019	RR-ML	158+22.11	22.50 R	TYPE II PARALLEL
1020	RR-ML	158+93.17	28.00 R	PARALLEL
1021	RR-ML	161+24.54	28.00 R	PARALLEL

\*SEE C-401 FOR CURB RAMP DETAILS

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C6	43.20	27.50	90.00	S45° 02' 16"E	38.89
C7	95.80	72.50	75.71	N37° 53' 33"W	88.98
C8	36.14	23.00	90.03	S44° 56' 20"W	32.54
C9	36.14	23.00	90.04	S45° 01' 09"E	32.54
C10	40.80	28.00	83.49	S41° 44' 42"W	37.29
C11	55.56	33.00	96.47	S48° 16' 28"E	49.23
C12	36.13	23.00	90.00	S44° 57' 40"W	32.53
C13	36.13	23.00	90.00	S45° 02' 20"E	32.53
C14	29.05	30.00	55.48	S27° 42' 05"W	27.93
C15	18.30	30.00	34.95	S72° 59' 41"E	18.02
C16	36.13	23.00	90.00	S44° 57' 40"W	32.53
C17	36.13	23.00	90.00	S45° 02' 20"E	32.53
C18	36.13	23.00	90.00	S44° 57' 40"W	32.53
C19	36.13	23.00	90.00	S45° 02' 20"E	32.53
C20	36.13	23.00	90.00	S44° 57' 44"W	32.53
C21	36.13	23.00	90.00	S45° 02' 16"E	32.53
C22	36.13	23.00	90.00	S44° 57' 44"W	32.53
C23	36.13	23.00	90.00	S45° 02' 16"E	32.53
C24	36.13	23.00	90.00	S44° 57' 44"W	32.53
C25	36.13	23.00	90.00	S45° 02' 16"E	32.53
C26	28.28	18.00	90.00	S44° 57' 47"W	25.46
C27	28.27	18.00	90.00	S45° 02' 13"E	25.45
C28	36.13	23.00	90.01	S44° 57' 49"W	32.53
C29	36.13	23.00	89.99	S45° 02' 11"E	32.53
C30	36.13	23.00	90.01	S44° 57' 49"W	32.53
C31	36.13	23.00	89.99	S45° 02' 08"E	32.52
C32	36.13	23.00	90.00	S44° 57' 40"W	32.53
C33	36.13	23.00	90.00	S45° 02' 20"E	32.53
C34	36.13	23.00	90.00	S44° 57' 42"W	32.53

PROPOSED PIPE TABLE						
TYPE	SIZE	LENGTH	GRADE	INLET	OUTLET	ALIGNMENT
CPEP	12"	28.87 LF	1.00%	108-CBMH	109-SDMH	RR-ML
CPEP	12"	17.17 LF	1.00%	110-CBMH	111-SDMH	RR-ML
CPEP	12"	33.72 LF	1.00%	112-CBMH	113-SDMH	RR-ML
CPEP	12"	33.04 LF	1.50%	118-CBMH	119-SDMH	RR-ML
CPEP	12"	49.91 LF	0.50%	122-CBMH	123-CBMH	RR-ML
CPEP	12"	10.62 LF	0.50%	123-CBMH	124-SDMH	RR-ML
CPEP	12"	25.76 LF	0.75%	129-CBMH	128-SDMH	RR-ML
CPEP	12"	40.00 LF	0.50%	131-CBMH	130-CBMH	RR-ML
CPEP	12"	32.00 LF	0.50%	132-CBMH	135-SDMH	RR-ML
CPEP	12"	40.00 LF	0.50%	134-CBMH	133-CBMH	RR-ML
CPEP	18"	51.15 LF	0.50%	136-SDMH	135-SDMH	RR-ML
CPEP	12"	45.27 LF	0.95%	137-CBMH	136-SDMH	RR-ML
CPEP	12"	46.45 LF	0.50%	138-CBMH	139-CBMH	RR-ML
CPEP	12"	20.59 LF	0.50%	139-CBMH	141-SDMH	RR-ML
CPEP	12"	38.24 LF	1.00%	140-CBMH	141-SDMH	RR-ML
CPEP	12"	33.28 LF	1.00%	144-CBMH	145-SDMH	RR-ML
CPEP	18"	76.45 LF	0.99%	146-CBMH	145-SDMH	RR-ML
CPEP	12"	40.00 LF	0.50%	152-CBMH	151-CBMH	RR-ML
CPEP	12"	14.00 LF	1.00%	156-CBMH	155-SDMH	RR-ML
CPEP	18"	191.02 LF	0.64%	160-CBMH	136-SDMH	RR-ML
CPEP	12"	40.00 LF	0.50%	1001-CBMH	1002-CBMH	RR-ML
CPEP	18"	202.85 LF	0.50%	1002-CBMH	145-SDMH	RR-ML



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VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
 SUMMARY TABLES

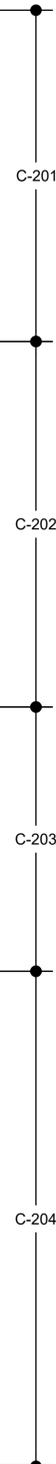
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DATE	01/16/2026

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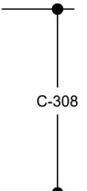
PROPOSED STRUCTURES	
NAME	DESCRIPTION
108-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403
109-SDMH	NEW; HORSESHOE MANHOLE
110-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403
112-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403
116-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
117-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
118-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
120-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403; CONNECT TO EXISTING PIPES
121-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403; CONNECT TO EXISTING PIPE
122-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
123-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
125-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403; CONNECT TO EXISTING PIPES
126-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403; CONNECT TO EXISTING PIPE
129-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
130-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPES
131-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
132-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
133-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPES
134-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
136-SDMH	NEW; TYPE 1 MH SOLID LID (COV 55-3 & 55-10)
137-CBMH	NEW; TYPE 1 MH & FIELD INLET LID (COV 55-3 & 55-9)
138-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
139-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
140-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403



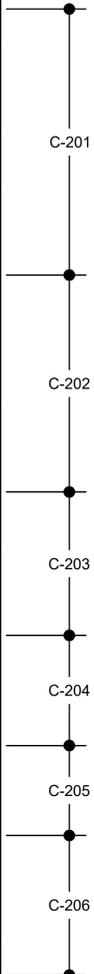
PROPOSED STRUCTURES	
NAME	DESCRIPTION
141-SDMH	NEW; TYPE III MH WITH SOLID COVER (COV 55-5 & 55-10); CONNECT TO EXISTING PIPES
142-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPES
143-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
144-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
146-CBMH	NEW; TYPE A MH (SEE C-5/403) SEE 4/C-403; CONNECT TO EXISTING PIPES
147-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
148-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402; CONNECT TO EXISTING PIPES
151-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403; CONNECT TO EXISTING PIPES
152-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
153-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402; CONNECT TO EXISTING PIPES
154-CBMH	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402; CONNECT TO EXISTING PIPES
156-CBMH	NEW; CATCH BASIN (COV 55-13)



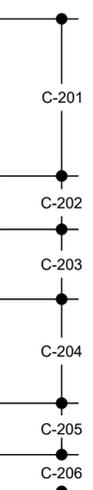
PROPOSED STRUCTURES (ADD ALT 2)	
NAME	DESCRIPTION
1001-CBMH	NEW; CATCH BASIN & TYPE II CURB INLET (COV 55-15) SEE DOT D-24.00 FOR GUTTER INLET FRAME (TYPE II A CURB)
1002-CBMH	NEW; TYPE I MH (55-3) SEE DOT D-24.00 FOR GUTTER INLET FRAME (TYPE II A CURB)



EXISTING STORM STRUCTURES			
NAME	DESCRIPTION	STATION	OFFSET
111-SDMH	EXISTING	RR-ML 136+44.80	40.65 L
113-SDMH	EXISTING, ADJUST TO GRADE; RE-GROUT AROUND NE PIPE CONNECTION; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	RR-ML 138+85.08	26.81 L
114-SDMH	EXISTING; SEE SENIOR HOUSING PROJECT ADJUST TO GRADE	RR-ML 139+04.53	26.87 L
115-CBMH	EXISTING; SEE SENIOR HOUSING PROJECT RE-USE EXISTING CATCH BASIN; SHIFT TO FIT CURB LINE AND ADJUST TO GRADE	RR-ML 138+89.31	40.23 L
119-SDMH	EXISTING, ADJUST TO GRADE; GROUT VOID AROUND NE PIPE CONNECTION; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	RR-ML 141+64.99	27.61 L
124-SDMH	EXISTING, ADJUST TO GRADE; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	RR-ML 144+45.17	27.27 L
127-SDMH	EXISTING; ADJUST TO GRADE	RR-ML 145+90.04	25.57 L
128-SDMH	EXISTING, ADJUST TO GRADE; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	RR-ML 147+25.04	27.10 L
135-SDMH	EXISTING, ADJUST TO GRADE; REPLACE SOLID LID (COV55-10) USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	RR-ML 150+04.71	26.98 L
145-SDMH	EXISTING, ADJUST TO GRADE; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	RR-ML 155+64.61	27.55 L
149-SDMH	EXISTING; ADJUST TO GRADE	RR-ML 158+44.53	27.25 L
150-CBMH	EXISTING; ADJUST TO GRADE	RR-ML 158+44.28	40.16 L
155-SDMH	EXISTING; ADJUST TO GRADE	RR-ML 161+06.03	27.01 L



EXISTING SEWER STRUCTURES			
NAME	DESCRIPTION	STATION	OFFSET
254-SSMH	EXISTING; REPLACE REDUCING CONE; ROTATE ACCESS LID OUT OF CURB; NEW LADDER RUNGS ALIGNED WITH LID; ADJUST RIM TO GRADE	RR-ML 136+50.51	22.47 L
255-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 139+32.98	38.53 L
256-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 142+12.10	38.31 L
257-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 144+92.28	38.02 L
258-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 147+71.78	38.00 L
259-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 150+52.20	38.36 L
260-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 153+31.22	37.72 L
261-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 156+10.90	37.45 L
262-SSMH	EXISTING; ADJUST TO GRADE	RR-ML 158+91.35	36.23 L

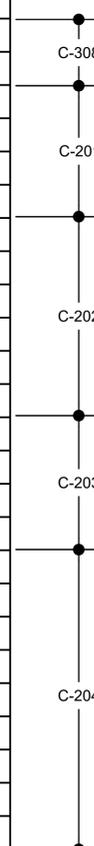


EXISTING WATER STRUCTURES			
NAME	DESCRIPTION	STATION	OFFSET
WV-124	REPLACE COVER	RR-ML 155+76.51	31.45 R

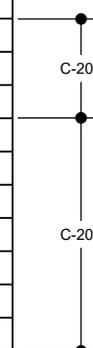


\*EXISTING STRUCTURES TABLES HIGHLIGHT STRUCTURES LOCATED WITHIN DISTURBED AREAS AS WELL AS STRUCTURES REQUIRING MAINTENANCE. SEE SHEETS C-201 THROUGH C-206 FOR ADDITIONAL INFORMATION. OTHER STRUCTURES WITHIN WORK LIMITS MAY STILL REQUIRE ADJUSTMENTS, SEE GENERAL NOTE 7 ON SHEET G-002.

REMOVED STRUCTURES	
STATION	OFFSET
BR 259+72.14	18.58 L
BR 259+72.31	17.79 R
RR-ML 136+45.39	20.61 L
RR-ML 138+60.40	21.40 L
RR-ML 138+84.52	49.32 R
RR-ML 139+27.00	49.17 R
RR-ML 141+55.31	16.42 L
RR-ML 141+64.40	49.27 R
RR-ML 142+07.01	49.33 R
RR-ML 144+14.98	19.32 R
RR-ML 144+33.93	16.63 L
RR-ML 144+44.08	49.92 R
RR-ML 144+86.73	50.04 R
RR-ML 146+99.92	16.42 L
RR-ML 147+24.17	49.86 R
RR-ML 147+67.04	50.25 R
RR-ML 149+85.20	16.42 L
RR-ML 149+99.88	77.94 L
RR-ML 150+04.13	50.41 R
RR-ML 150+45.83	50.72 R
RR-ML 152+54.36	19.63 R
RR-ML 152+65.76	16.26 L
RR-ML 152+83.95	50.67 R
RR-ML 152+84.96	26.91 L
RR-ML 153+25.96	50.55 R



REMOVED STRUCTURES	
STATION	OFFSET
RR-ML 155+48.64	21.35 L
RR-ML 155+63.82	50.83 R
RR-ML 156+06.10	51.03 R
RR-ML 158+43.76	50.49 R
RR-ML 158+44.68	21.21 L
RR-ML 158+85.59	50.71 R
RR-ML 160+96.85	20.13 R
RR-ML 161+06.23	32.30 L
RR-ML 161+06.45	24.07 R
RR-ML 161+06.47	21.12 L



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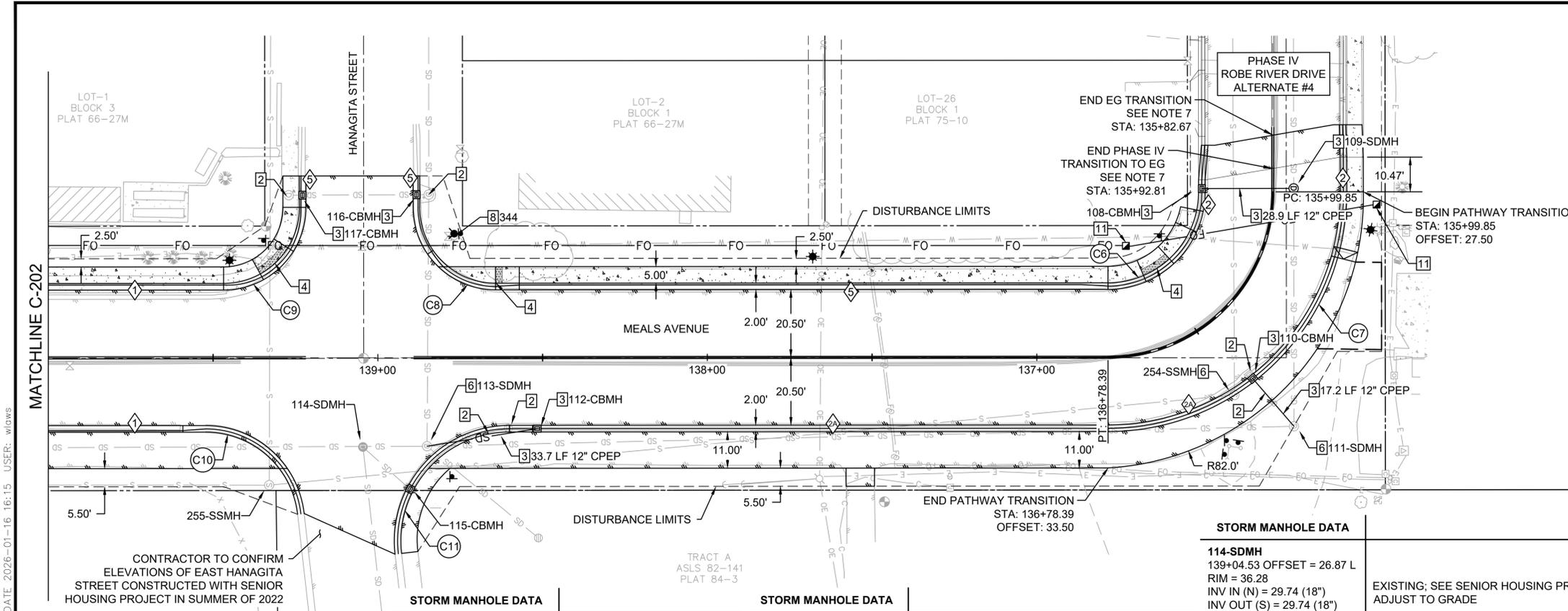


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VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
 SUMMARY TABLES

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- ### GENERAL NOTES
- SEE SHEET C-101 FOR TYPICAL ROAD SECTION.
  - NOTIFY ENGINEER OR OWNER'S REPRESENTATIVE IF TECTITE PIPE IS DISCOVERED IN THE FIELD.
  - SEE ELECTRICAL SHEETS FOR LIGHT POLE INFORMATION.
  - PIPE INSTALLATION TO FOLLOW TRENCH BACKFILL SHOWN IN COV DETAIL 20-11 AND 20-13.
  - CATCH BASIN RIM ELEVATIONS ARE MEASURED FROM TOP BACK OF CURB.
  - WATER AND SANITARY SEWER NOT SHOWN IN PROFILE FOR CLARITY.
  - IF ALTERNATE #4 IS SELECTED, SEE "PHASE IV-ROBE RIVER DRIVE-ALTERNATE 4" PLANS SET UNDER SEPARATE COVER. TRANSITION TO EG NOT REQUIRED IF ALTERNATE IS SELECTED.

- ### KEY NOTES
- CLEAN AND REINSPECT UTILITY
  - REMOVE UTILITY STRUCTURE OR PIPE
  - INSTALL NEW UTILITY STRUCTURE
  - CURB RAMP; SEE GRADING SHEETS, DETAILS ON C-401
  - MAINTAIN CURRENT CLEANING/CCTV SCHEDULE
  - REQUIRES MAINTENANCE, SEE STRUCTURES TABLES
  - CLEAN AND REINSPECT UTILITY, VERIFY GRADE OF PIPES AND LOCATION OF ANY DAMAGE.
  - REMOVE AND REPLACE FIRE HYDRANT. CITY OF VALDEZ TO SUPPLY HYDRANT. CONTRACTOR TO INSTALL HYDRANT AND NEW LEG UP TO VALVE PER COV DETAIL 60-6. GUARD POSTS ONLY TO BE INSTALLED WHERE NOTED. SEE KEY NOTE 8. VALVE WAS NOT ABLE TO BE LOCATED. INSTALL NEW VALVE PER COV DETAIL 60-4.
  - FIBER OPTIC VAULT, SEE DETAIL 1/C-405. SEE ELECTRICAL FOR CONDUIT ROUTING.
  - FIBER OPTIC HANDHOLE, SEE DETAIL 2/C-405. SEE ELECTRICAL FOR CONDUIT ROUTING.

#### STORM MANHOLE DATA

<b>114-SDMH</b> 139+04.53 OFFSET = 26.87 L RIM = 36.28 INV IN (N) = 29.74 (18") INV OUT (S) = 29.74 (18") INV OUT (E) = 30.00 (12") INV IN (NE) = 30.00 (12")	EXISTING; SEE SENIOR HOUSING PROJECT ADJUST TO GRADE
<b>115-CBMH</b> 138+89.31 OFFSET = 40.23 L RIM = 36.52 INV OUT (SW) = 30.20 (12")	EXISTING; SEE SENIOR HOUSING PROJECT RE-USE EXISTING CATCH BASIN; SHIFT TO FIT CURB LINE AND ADJUST TO GRADE
<b>116-CBMH</b> 138+87.27 OFFSET = 49.31 R RIM = 36.74 INV IN (S) = 32.60 (18") INV IN (W) = 32.83 (18") INV OUT (E) = 32.34 (18")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
<b>117-CBMH</b> 139+23.77 OFFSET = 49.18 R RIM = 36.88 INV OUT (N) = 32.94 (18")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE

#### SANITARY MANHOLE DATA

<b>254-SSMH</b> 136+50.51 OFFSET = 22.47 L RIM = 37.54 INV IN (W) = 29.56 (10") INV OUT (S) = 29.45 (10")	EXISTING; REPLACE REDUCING CONE; ROTATE ACCESS LID OUT OF CURB; NEW LADDER RUNGS ALIGNED WITH LID; ADJUST RIM TO GRADE
<b>255-SSMH</b> 139+32.98 OFFSET = 38.53 L RIM = 36.51 INV IN (N) = 27.35 (10") INV OUT (S) = 27.24 (12") INV IN (W) = 27.44 (10")	EXISTING; ADJUST TO GRADE

#### STORM MANHOLE DATA

<b>108-CBMH</b> 135+98.85 OFFSET = 22.50 R RIM = 38.10 INV OUT (N) = 32.82 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403
<b>109-SDMH</b> 135+98.83 OFFSET = 6.37 L RIM = 38.22 INV IN (S) = 32.53 (12") INV IN (W) = 32.45 (18") INV OUT (E) = 32.43 (18")	NEW; HORSESHOE MANHOLE
<b>110-CBMH</b> 136+45.36 OFFSET = 21.50 L RIM = 37.58 INV OUT (NE) = 33.01 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403

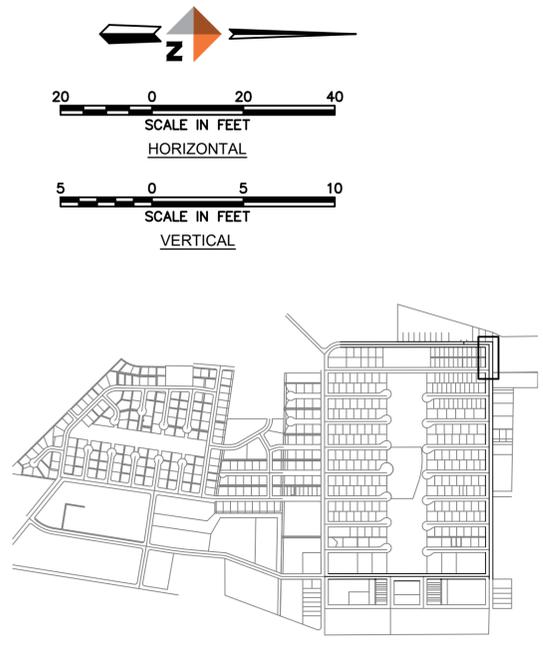
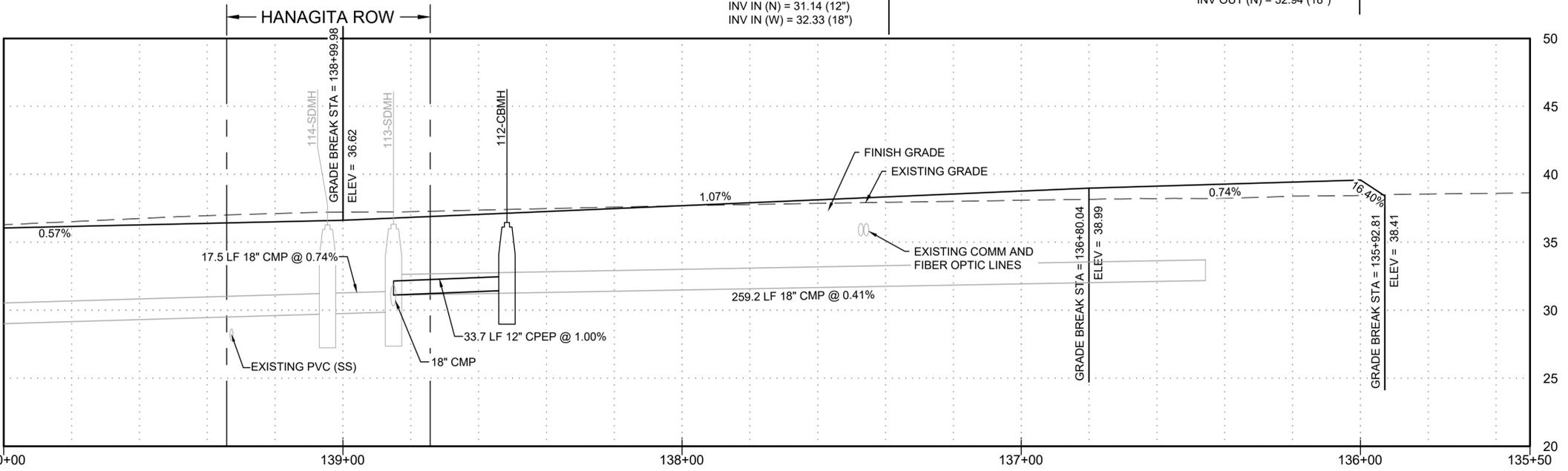
#### STORM MANHOLE DATA

<b>111-SDMH</b> 136+44.80 OFFSET = 40.65 L RIM = 37.63 INV IN (W) = 32.12 (18") INV OUT (S) = 32.20 (18") INV IN (SW) = 32.84 (12")	EXISTING
<b>112-CBMH</b> 138+51.64 OFFSET = 22.50 L RIM = 36.46 INV OUT (S) = 31.48 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403
<b>113-SDMH</b> 138+85.08 OFFSET = 26.81 L RIM = 36.33 INV IN (N) = 31.13 (18") INV OUT (S) = 29.87 (18") INV IN (NE) = 31.26 (24") INV IN (N) = 31.14 (12") INV IN (W) = 32.33 (18")	EXISTING, ADJUST TO GRADE; RE-GROUT AROUND NE PIPE CONNECTION; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;

#### CURB TABLE

\*SEE CURB DETAILS ON C-401

1	STANDING CURB & GUTTER
2	ROLLED CURB & GUTTER
3	DEPRESSED ROLLED CURB
4	SHEDDING CURB & GUTTER
5	DEPRESSED CURB & GUTTER
6	FULL HEIGHT ROLLED CURB & GUTTER
7	FULL HEIGHT ROLLED SHEDDING CURB & GUTTER



BY	
REVISIONS	DESCRIPTION
REV	DATE

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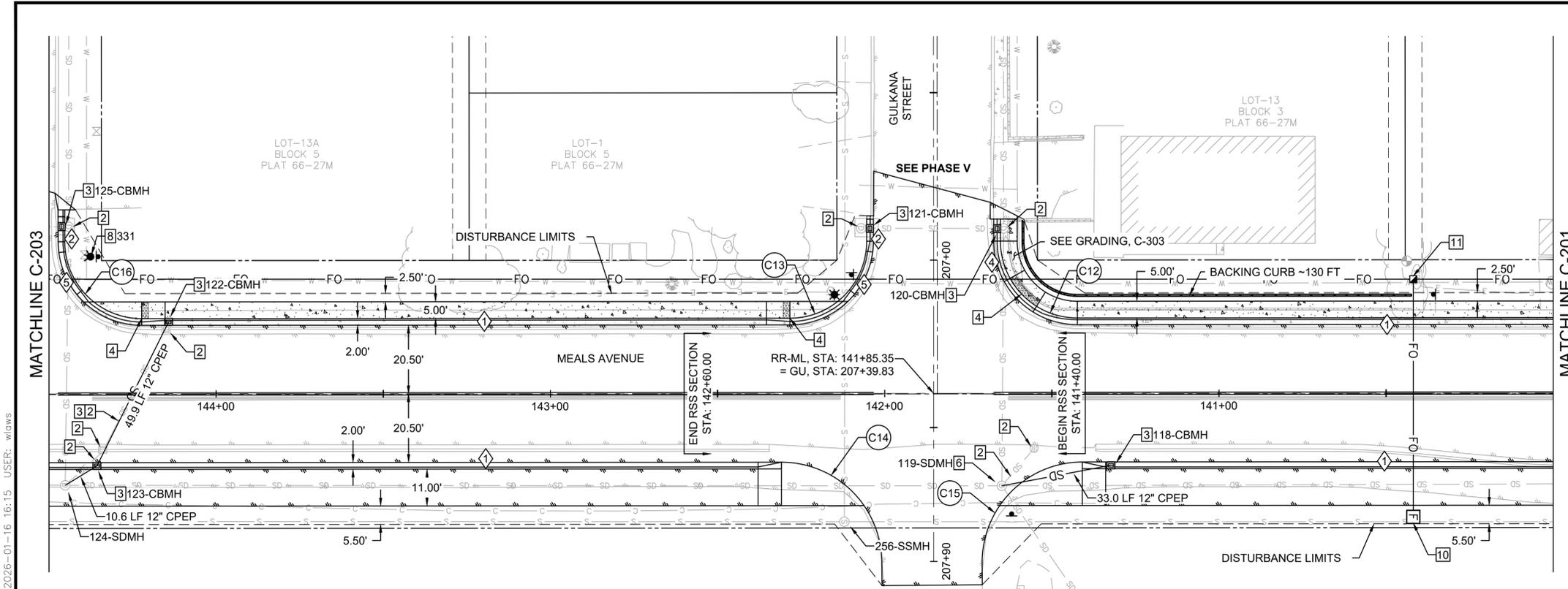
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
PLAN AND PROFILE

VALDEZ, ALASKA

PROJECT	63461.01
DATE	01/16/2026

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# C-201



**GENERAL NOTES**

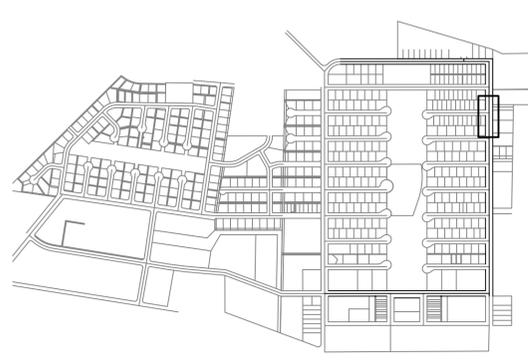
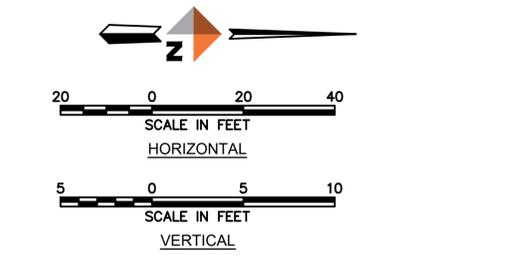
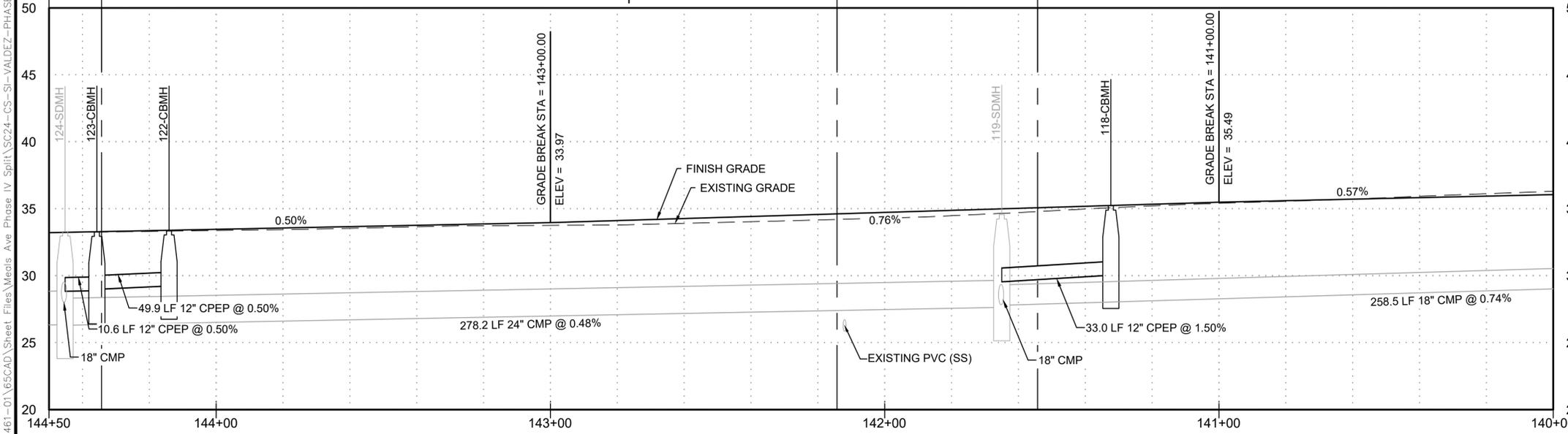
- SEE SHEET C-101 FOR TYPICAL ROAD SECTION.
- NOTIFY ENGINEER OR OWNER'S REPRESENTATIVE IF TECTITE PIPE IS DISCOVERED IN THE FIELD.
- SEE ELECTRICAL SHEETS FOR LIGHT POLE INFORMATION.
- PIPE INSTALLATION TO FOLLOW TRENCH BACKFILL SHOWN IN COV DETAIL 20-11 AND 20-13.
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- WATER AND SANITARY SEWER NOT SHOWN IN PROFILE FOR CLARITY.

**KEY NOTES**

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- CURB RAMP; SEE GRADING SHEETS, DETAILS ON C-401
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- FIBER OPTIC VAULT, SEE DETAIL 1/C-405. SEE ELECTRICAL FOR CONDUIT ROUTING.
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SANITARY MANHOLE DATA		STORM MANHOLE DATA		STORM MANHOLE DATA		STORM MANHOLE DATA	
<b>256-SSMH</b> 142+12.10 OFFSET = 38.31 L RIM = 34.34 INV IN (N) = 25.24 (12") INV OUT (S) = 25.15 (12") INV IN (W) = 25.31 (10")	EXISTING; ADJUST TO GRADE	<b>118-CBMH</b> 141+32.34 OFFSET = 22.50 L RIM = 35.23 INV OUT (S) = 30.06 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402	<b>121-CBMH</b> 142+05.35 OFFSET = 49.30 R RIM = 34.06 INV OUT (N) = 30.59 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403 CONNECT TO EXISTING PIPE	<b>124-SDMH</b> 144+45.17 OFFSET = 27.27 L RIM = 33.30 INV IN (W) = 27.99 (18") INV IN (NW) = 28.85 (12") INV IN (N) = 26.31 (24") INV OUT (S) = 26.35 (30")	EXISTING, ADJUST TO GRADE; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;
		<b>119-SDMH</b> 141+64.99 OFFSET = 27.61 L RIM = 34.57 INV IN (N) = 27.82 (18") INV OUT (S) = 27.64 (24") INV IN (W) = 29.35 (12") INV IN (NE) = 28.36 (24") INV IN (NW) = 29.56 (12")	EXISTING, ADJUST TO GRADE; GROUT VOID AROUND NE PIPE CONNECTION; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;	<b>122-CBMH</b> 144+14.09 OFFSET = 22.50 R RIM = 33.38 INV OUT (SE) = 29.25 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402	<b>125-CBMH</b> 144+45.25 OFFSET = 50.00 R RIM = 32.61 INV IN (W) = 28.84 (12") INV OUT (E) = 28.69 (18") INV IN (S) = 28.83 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403 CONNECT TO EXISTING PIPES
		<b>120-CBMH</b> 141+65.35 OFFSET = 49.20 R RIM = 33.86 INV IN (W) = 30.19 (12") INV OUT (E) = 29.93 (12") INV IN (S) = 30.24 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403 CONNECT TO EXISTING PIPES	<b>123-CBMH</b> 144+35.68 OFFSET = 22.50 L RIM = 33.28 INV OUT (SE) = 28.90 (12") INV IN (NW) = 29.00 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402		



KEY MAP  
SCALE 1"=1000'

REV	DATE	DESCRIPTION



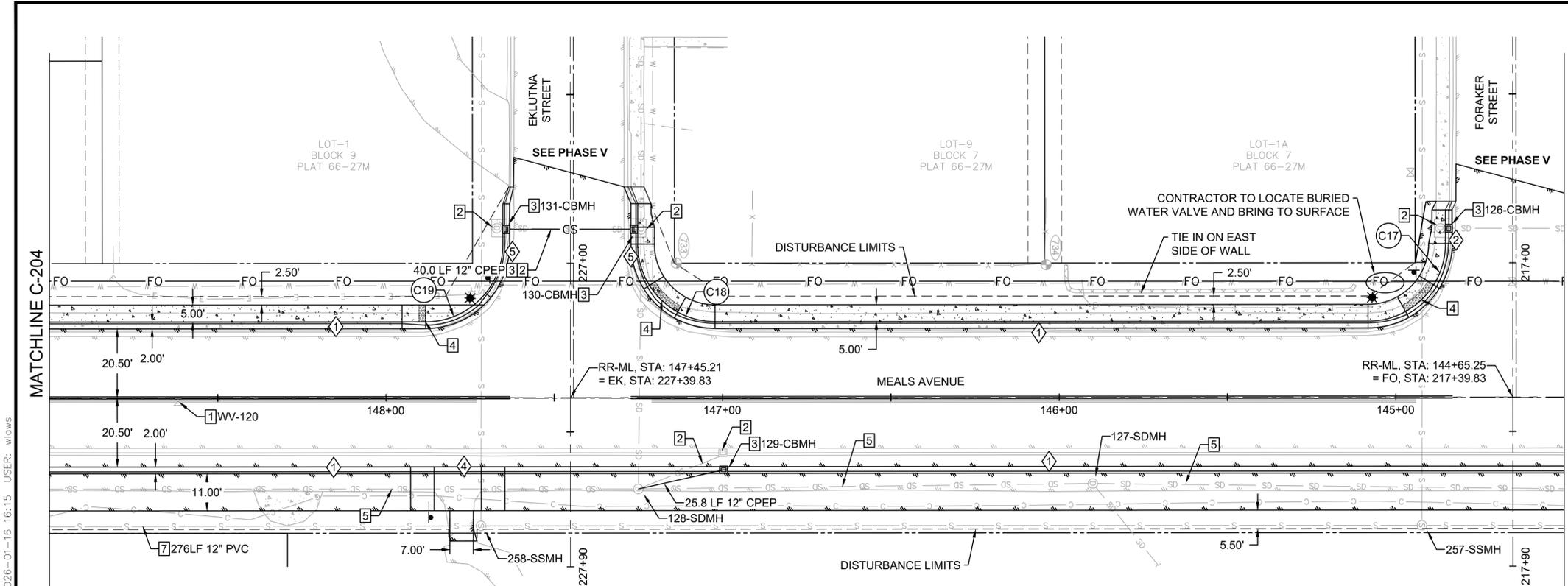
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**GENERAL NOTES**

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⑥	FULL HEIGHT ROLLED CURB & GUTTER
⑦	FULL HEIGHT ROLLED SHEDDING CURB & GUTTER

**STORM MANHOLE DATA**

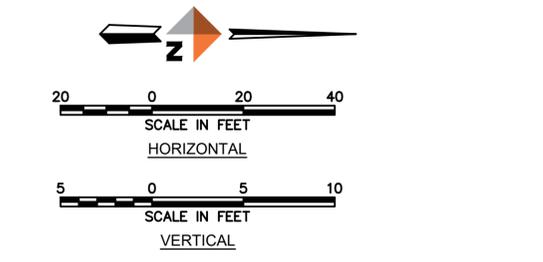
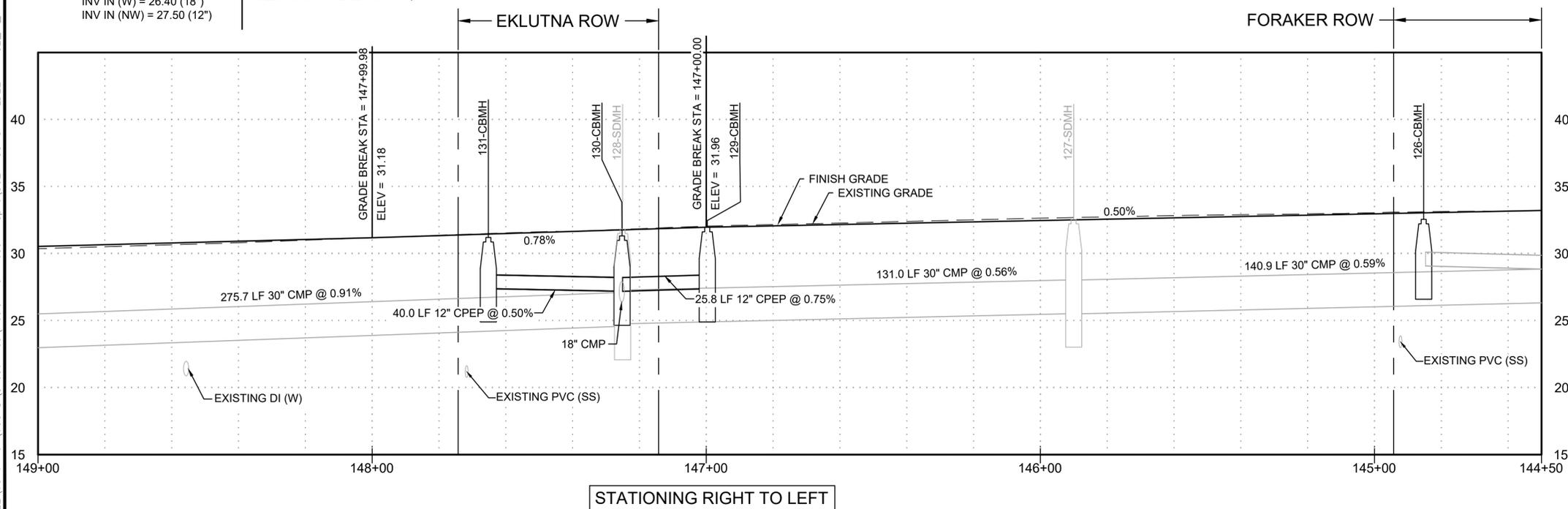
<b>126-CBMH</b> 144+85.28 OFFSET = 50.00 R RIM = 32.55 INV OUT (N) = 29.09 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403 CONNECT TO EXISTING PIPE
<b>127-SDMH</b> 145+90.04 OFFSET = 25.57 L RIM = 32.55 INV IN (N) = 25.52 (30") INV OUT (S) = 25.52 (30") INV IN (NE) = 26.02 (24")	EXISTING; ADJUST TO GRADE
<b>128-SDMH</b> 147+25.04 OFFSET = 27.10 L RIM = 31.83 INV IN (N) = 24.78 (30") INV OUT (S) = 24.57 (30") INV IN (W) = 26.40 (18") INV IN (NW) = 27.50 (12")	EXISTING, ADJUST TO GRADE; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;

**STORM MANHOLE DATA**

<b>129-CBMH</b> 146+99.70 OFFSET = 22.50 L RIM = 31.96 INV OUT (S) = 27.39 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
<b>130-CBMH</b> 147+25.21 OFFSET = 49.90 R RIM = 31.32 INV IN (S) = 27.20 (12") INV OUT (E) = 27.15 (18") INV IN (W) = 27.95 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402 CONNECT TO EXISTING PIPES
<b>131-CBMH</b> 147+65.21 OFFSET = 49.90 R RIM = 31.20 INV OUT (N) = 27.40 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402 CONNECT TO EXISTING PIPE

**SANITARY MANHOLE DATA**

<b>257-SSMH</b> 144+92.28 OFFSET = 38.02 L RIM = 32.82 INV IN (N) = 22.97 (12") INV OUT (S) = 22.97 (12") INV IN (W) = 22.23 (10")	EXISTING; ADJUST TO GRADE
<b>258-SSMH</b> 147+71.78 OFFSET = 38.00 L RIM = 31.70 INV IN (N) = 19.67 (12") INV OUT (S) = 19.61 (12") INV IN (W) = 19.91 (10")	EXISTING; ADJUST TO GRADE



**KEY MAP**  
SCALE 1"=1000'

REV	DATE	DESCRIPTION



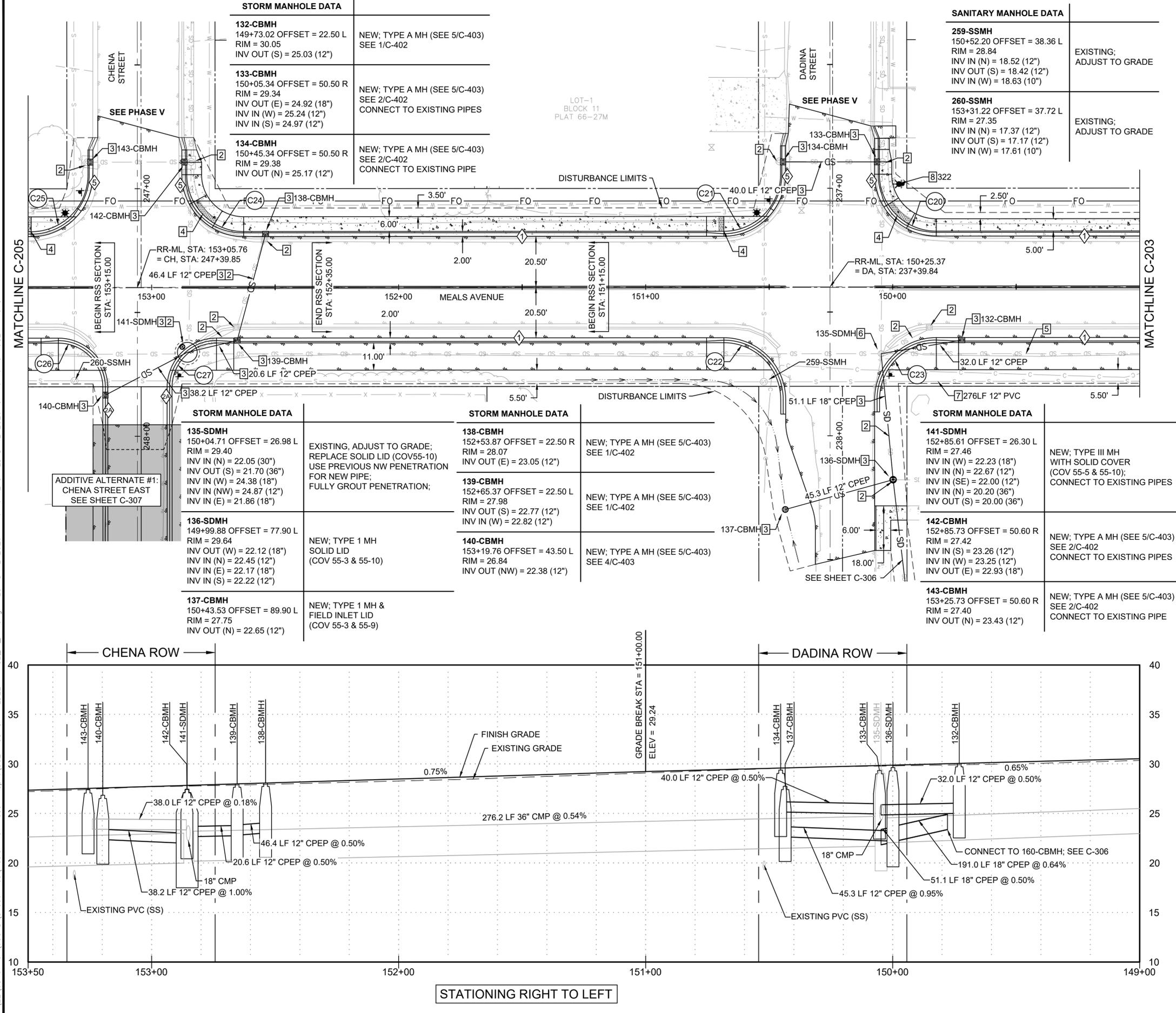
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STORM MANHOLE DATA	
<b>132-CBMH</b> 149+73.02 OFFSET = 22.50 L RIM = 30.05 INV OUT (S) = 25.03 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
<b>133-CBMH</b> 150+05.34 OFFSET = 50.50 R RIM = 29.34 INV OUT (E) = 24.92 (18") INV IN (W) = 25.24 (12") INV IN (S) = 24.97 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402 CONNECT TO EXISTING PIPES
<b>134-CBMH</b> 150+45.34 OFFSET = 50.50 R RIM = 29.38 INV OUT (N) = 25.17 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402 CONNECT TO EXISTING PIPE

SANITARY MANHOLE DATA	
<b>259-SSMH</b> 150+52.20 OFFSET = 38.36 L RIM = 28.84 INV IN (N) = 18.52 (12") INV OUT (S) = 18.42 (12") INV IN (W) = 18.63 (10")	EXISTING; ADJUST TO GRADE
<b>260-SSMH</b> 153+31.22 OFFSET = 37.72 L RIM = 27.35 INV IN (N) = 17.37 (12") INV OUT (S) = 17.17 (12") INV IN (W) = 17.61 (10")	EXISTING; ADJUST TO GRADE

STORM MANHOLE DATA	
<b>135-SDMH</b> 150+04.71 OFFSET = 26.98 L RIM = 29.40 INV IN (N) = 22.05 (30") INV OUT (S) = 21.70 (36") INV IN (W) = 24.38 (18") INV IN (NW) = 24.87 (12") INV IN (E) = 21.86 (18")	EXISTING, ADJUST TO GRADE; REPLACE SOLID LID (COV55-10) USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;
<b>136-SDMH</b> 149+99.88 OFFSET = 77.90 L RIM = 29.64 INV OUT (W) = 22.12 (18") INV IN (N) = 22.45 (12") INV IN (E) = 22.17 (18") INV IN (S) = 22.22 (12")	NEW; TYPE 1 MH SOLID LID (COV 55-3 & 55-10)
<b>137-CBMH</b> 150+43.53 OFFSET = 89.90 L RIM = 27.75 INV OUT (N) = 22.65 (12")	NEW; TYPE 1 MH & FIELD INLET LID (COV 55-3 & 55-9)

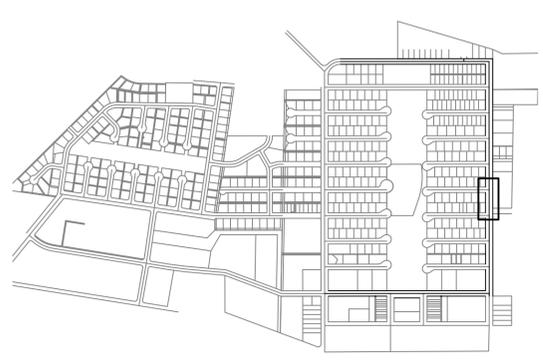
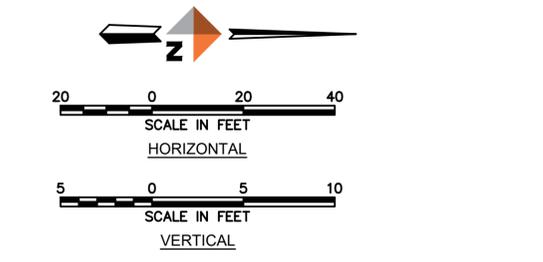
STORM MANHOLE DATA	
<b>138-CBMH</b> 152+53.87 OFFSET = 22.50 R RIM = 28.07 INV OUT (E) = 23.05 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
<b>139-CBMH</b> 152+65.37 OFFSET = 22.50 L RIM = 27.98 INV OUT (S) = 22.77 (12") INV IN (W) = 22.82 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
<b>140-CBMH</b> 153+19.76 OFFSET = 43.50 L RIM = 26.84 INV OUT (NW) = 22.38 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403

STORM MANHOLE DATA	
<b>141-SDMH</b> 152+85.61 OFFSET = 26.30 L RIM = 27.46 INV IN (W) = 22.23 (18") INV IN (N) = 22.67 (12") INV IN (SE) = 22.00 (12") INV IN (N) = 20.20 (36") INV OUT (S) = 20.00 (36")	NEW; TYPE III MH WITH SOLID COVER (COV 55-5 & 55-10); CONNECT TO EXISTING PIPES
<b>142-CBMH</b> 152+85.73 OFFSET = 50.60 R RIM = 27.42 INV IN (S) = 23.26 (12") INV IN (W) = 23.25 (12") INV OUT (E) = 22.93 (18")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402 CONNECT TO EXISTING PIPES
<b>143-CBMH</b> 153+25.73 OFFSET = 50.60 R RIM = 27.40 INV OUT (N) = 23.43 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402 CONNECT TO EXISTING PIPE

- ### GENERAL NOTES
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REV	DATE	DESCRIPTION



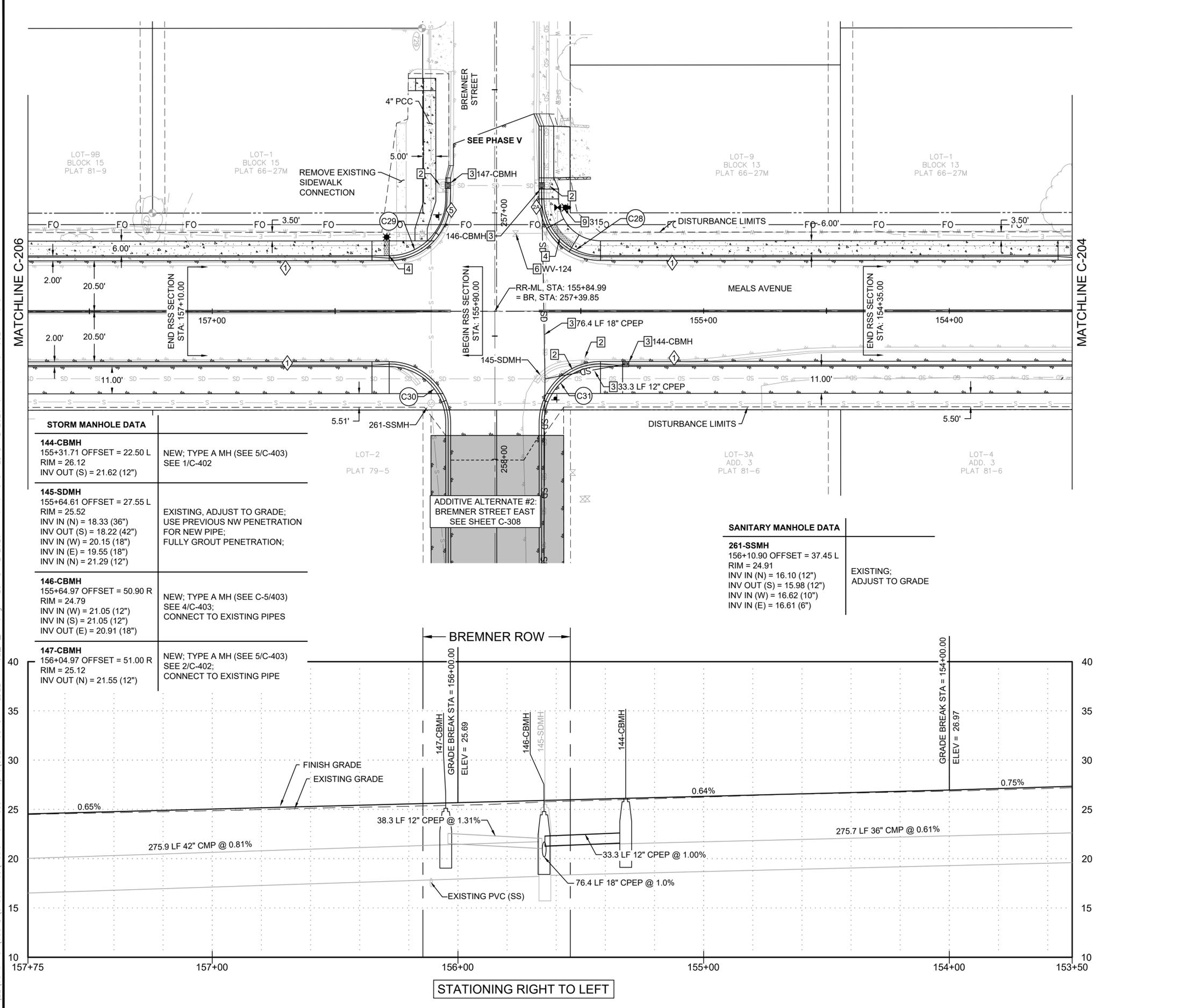
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**STORM MANHOLE DATA**

<b>144-CBMH</b> 155+31.71 OFFSET = 22.50 L RIM = 26.12 INV OUT (S) = 21.62 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402
<b>145-SDMH</b> 155+64.61 OFFSET = 27.55 L RIM = 25.52 INV IN (N) = 18.33 (36") INV OUT (S) = 18.22 (42") INV IN (W) = 20.15 (18") INV IN (E) = 19.55 (18") INV IN (N) = 21.29 (12")	EXISTING; ADJUST TO GRADE; USE PREVIOUS NW PENETRATION FOR NEW PIPE; FULLY GROUT PENETRATION;
<b>146-CBMH</b> 155+64.97 OFFSET = 50.90 R RIM = 24.79 INV IN (W) = 21.05 (12") INV IN (S) = 21.05 (12") INV OUT (E) = 20.91 (18")	NEW; TYPE A MH (SEE 5/C-403) SEE 4/C-403; CONNECT TO EXISTING PIPES
<b>147-CBMH</b> 156+04.97 OFFSET = 51.00 R RIM = 25.12 INV OUT (N) = 21.55 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE

**SANITARY MANHOLE DATA**

<b>261-SSMH</b> 156+10.90 OFFSET = 37.45 L RIM = 24.91 INV IN (N) = 16.10 (12") INV OUT (S) = 15.98 (12") INV IN (W) = 16.62 (10") INV IN (E) = 16.61 (6")	EXISTING; ADJUST TO GRADE
--	------------------------------

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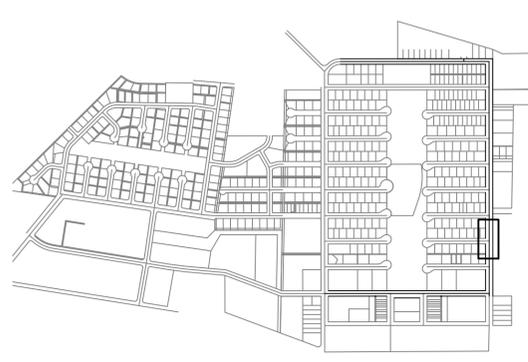
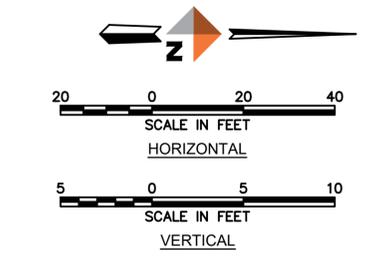
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**KEY MAP**  
SCALE 1"=1000'

REV	DATE	DESCRIPTION



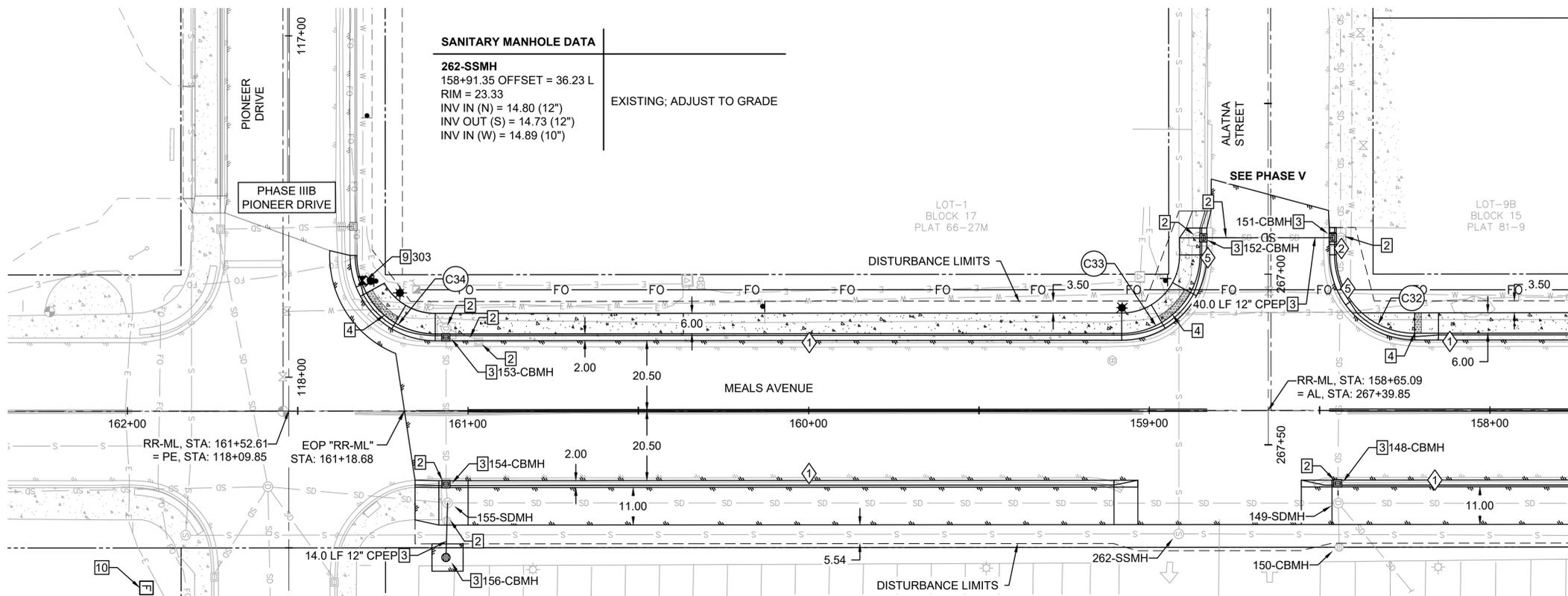
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PHASE IV-MEALS AVENUE  
PLAN AND PROFILE

PROJECT 63461.01  
DATE 01/16/2026

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SANITARY MANHOLE DATA	
<b>262-SSMH</b> 158+91.35 OFFSET = 36.23 L RIM = 23.33 INV IN (N) = 14.80 (12") INV OUT (S) = 14.73 (12") INV IN (W) = 14.89 (10")	EXISTING; ADJUST TO GRADE

**STORM MANHOLE DATA**

<b>148-CBMH</b> 158+44.69 OFFSET = 22.50 L RIM = 24.09 INV IN (W) = 18.75 (18") INV OUT (E) = 18.69 (18")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402 CONNECT TO EXISTING PIPES
<b>149-SDMH</b> 158+44.53 OFFSET = 27.25 L RIM = 24.15 INV IN (N) = 15.98 (42") INV OUT (S) = 15.92 (42") INV IN (W) = 18.60 (18") INV IN (NE) = 17.09 (12") INV IN (E) = 19.24 (12")	EXISTING; ADJUST TO GRADE
<b>150-CBMH</b> 158+44.28 OFFSET = 40.16 L RIM = 23.26 INV OUT (W) = 19.40 (12")	EXISTING; ADJUST TO GRADE

**STORM MANHOLE DATA**

<b>151-CBMH</b> 158+45.09 OFFSET = 50.50 R RIM = 23.16 INV IN (W) = 19.55 (18") INV OUT (E) = 19.33 (18") INV IN (S) = 19.38 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 3/C-403; CONNECT TO EXISTING PIPES
<b>152-CBMH</b> 158+85.09 OFFSET = 50.50 R RIM = 23.20 INV OUT (N) = 19.58 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 2/C-402; CONNECT TO EXISTING PIPE
<b>153-CBMH</b> 161+06.45 OFFSET = 22.50 R RIM = 22.13 INV OUT (E) = 17.79 (18") INV IN (SW) = 17.95 (12")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402 CONNECT TO EXISTING PIPES

**STORM MANHOLE DATA**

<b>154-CBMH</b> 161+06.51 OFFSET = 22.50 L RIM = 22.17 INV IN (W) = 17.20 (18") INV OUT (E) = 17.10 (18")	NEW; TYPE A MH (SEE 5/C-403) SEE 1/C-402 CONNECT TO EXISTING PIPES
<b>155-SDMH</b> 161+06.03 OFFSET = 27.01 L RIM = 22.24 INV IN (N) = 14.77 (42") INV OUT (S) = 14.79 (42") INV IN (E) = 17.32 (12") INV IN (W) = 16.94 (18")	EXISTING; ADJUST TO GRADE
<b>156-CBMH</b> 161+06.51 OFFSET = 43.00 L RIM = 21.73 INV OUT (W) = 17.46 (12")	NEW; CATCH BASIN (COV 55-13)

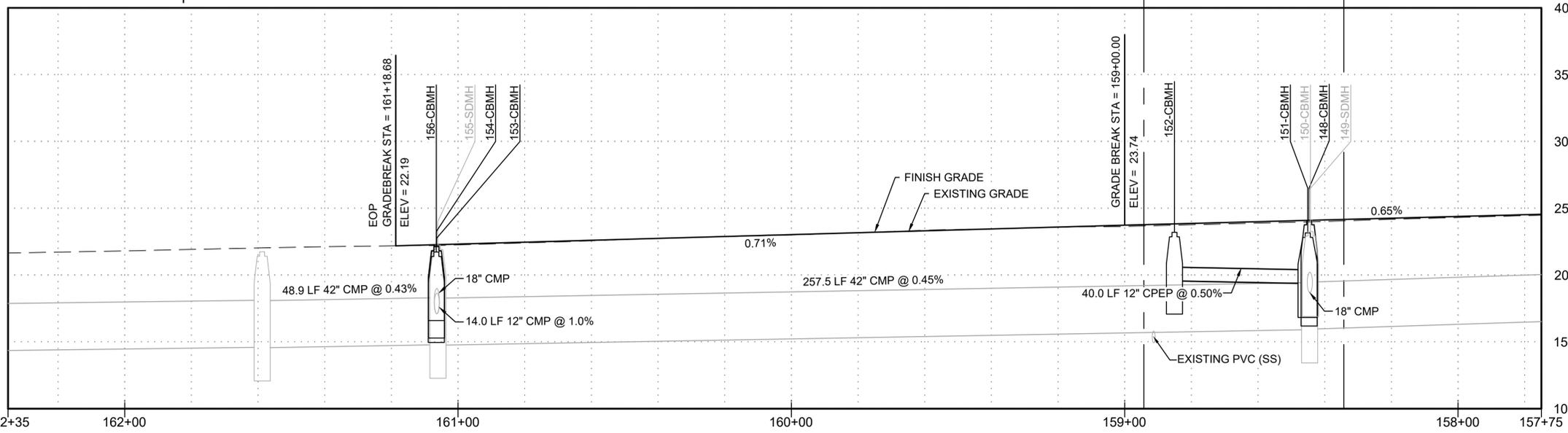
**GENERAL NOTES**

- SEE SHEET C-101 FOR TYPICAL ROAD SECTION.
- NOTIFY ENGINEER OR OWNER'S REPRESENTATIVE IF TECTITE PIPE IS DISCOVERED IN THE FIELD.
- SEE ELECTRICAL SHEETS FOR LIGHT POLE INFORMATION.
- PIPE INSTALLATION TO FOLLOW TRENCH BACKFILL SHOWN IN COV DETAIL 20-11 AND 20-13.
- CATCH BASIN RIM ELEVATIONS ARE MEASURED FROM TOP BACK OF CURB.
- WATER AND SANITARY SEWER NOT SHOWN IN PROFILE FOR CLARITY.

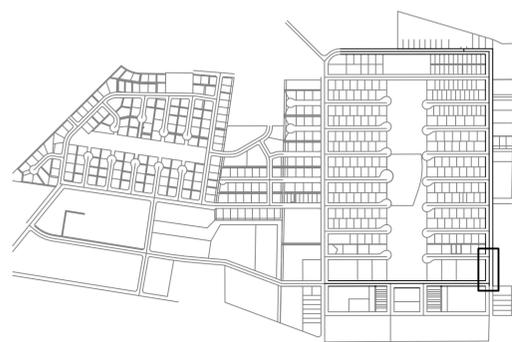
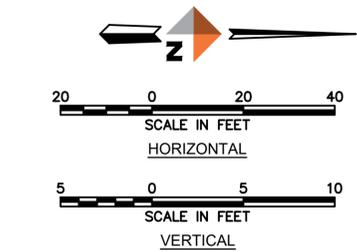
**KEY NOTES**

- CLEAN AND REINSPECT UTILITY
- REMOVE UTILITY STRUCTURE OR PIPE
- INSTALL NEW UTILITY STRUCTURE
- CURB RAMP; SEE GRADING SHEETS, DETAILS ON C-401
- MAINTAIN CURRENT CLEANING/CCTV SCHEDULE
- REQUIRES MAINTENANCE, SEE STRUCTURES TABLES
- CLEAN AND REINSPECT UTILITY, VERIFY GRADE OF PIPES AND LOCATION OF ANY DAMAGE.
- REMOVE AND REPLACE FIRE HYDRANT. CITY OF VALDEZ TO SUPPLY HYDRANT. CONTRACTOR TO INSTALL HYDRANT AND NEW LEG UP TO VALVE PER COV DETAIL 60-6. GUARD POSTS ONLY TO BE INSTALLED WHERE NOTED. SEE KEY NOTE 8. VALVE WAS NOT ABLE TO BE LOCATED. INSTALL NEW VALVE PER COV DETAIL 60-4.
- FIBER OPTIC VAULT, SEE DETAIL 1/C-405. SEE ELECTRICAL FOR CONDUIT ROUTING.
- FIBER OPTIC HANDHOLE, SEE DETAIL 2/C-405. SEE ELECTRICAL FOR CONDUIT ROUTING.

CURB TABLE	
*SEE CURB DETAILS ON C-401	
1	STANDING CURB & GUTTER
2	ROLLED CURB & GUTTER
3	DEPRESSED ROLLED CURB
4	SHEDDING CURB & GUTTER
5	DEPRESSED CURB & GUTTER
6	FULL HEIGHT ROLLED CURB & GUTTER
7	FULL HEIGHT ROLLED SHEDDING CURB & GUTTER



STATIONING RIGHT TO LEFT



KEY MAP  
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REV	DATE	DESCRIPTION



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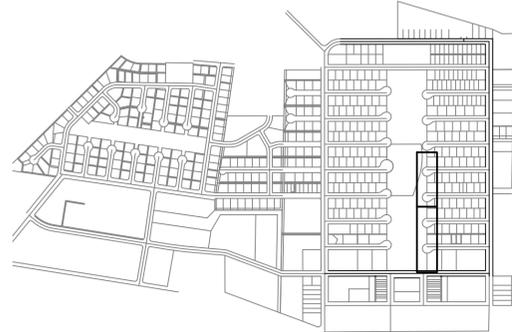
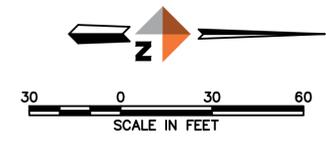
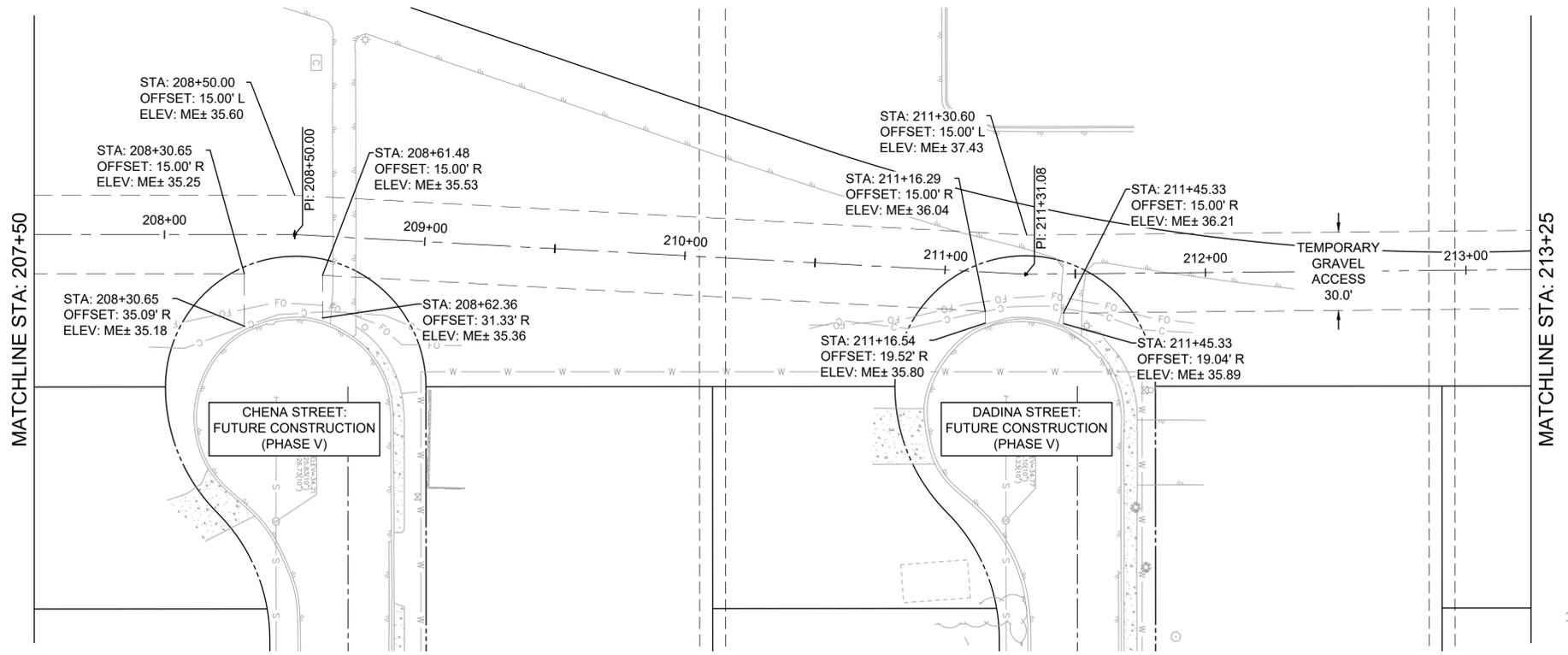
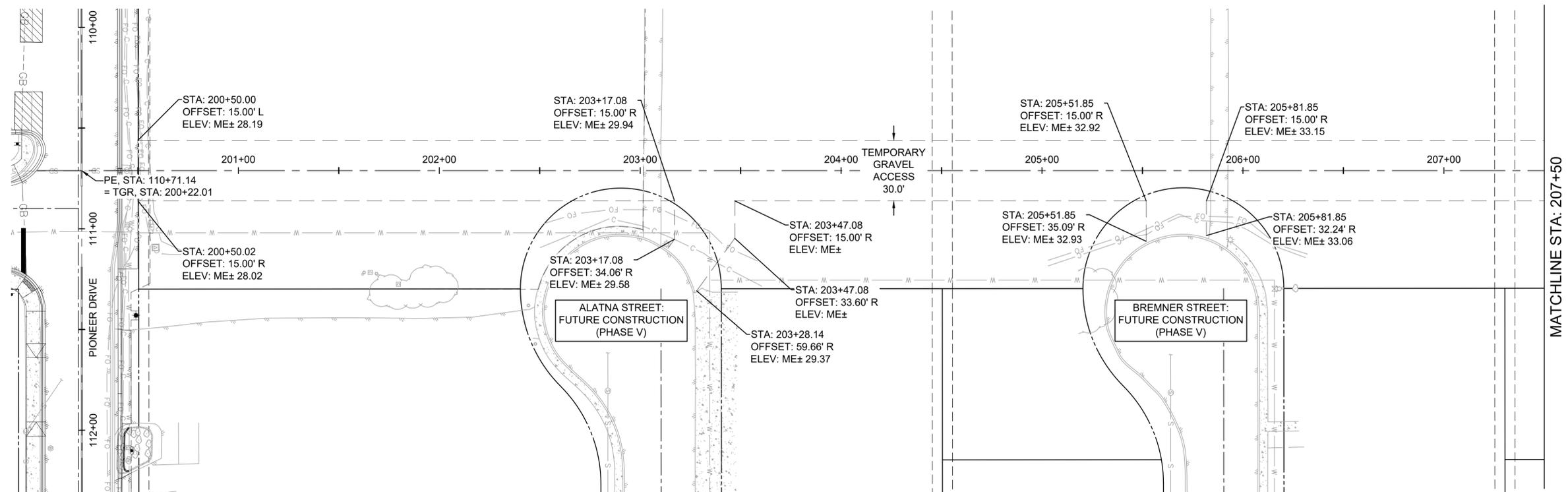
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
PLAN AND PROFILE

PROJECT 63461.01  
DATE 01/16/2026

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**C-206**

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KEY MAP  
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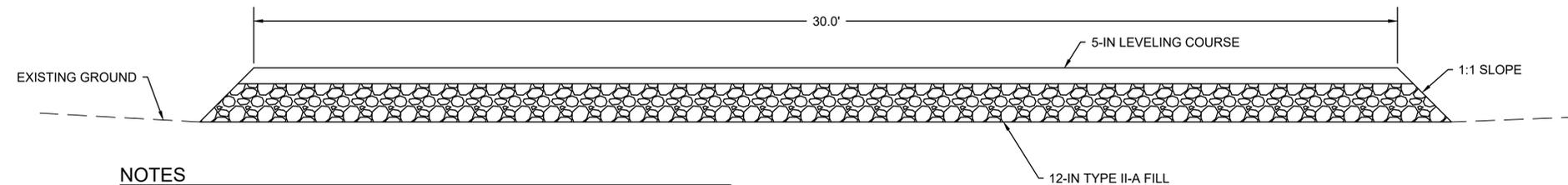
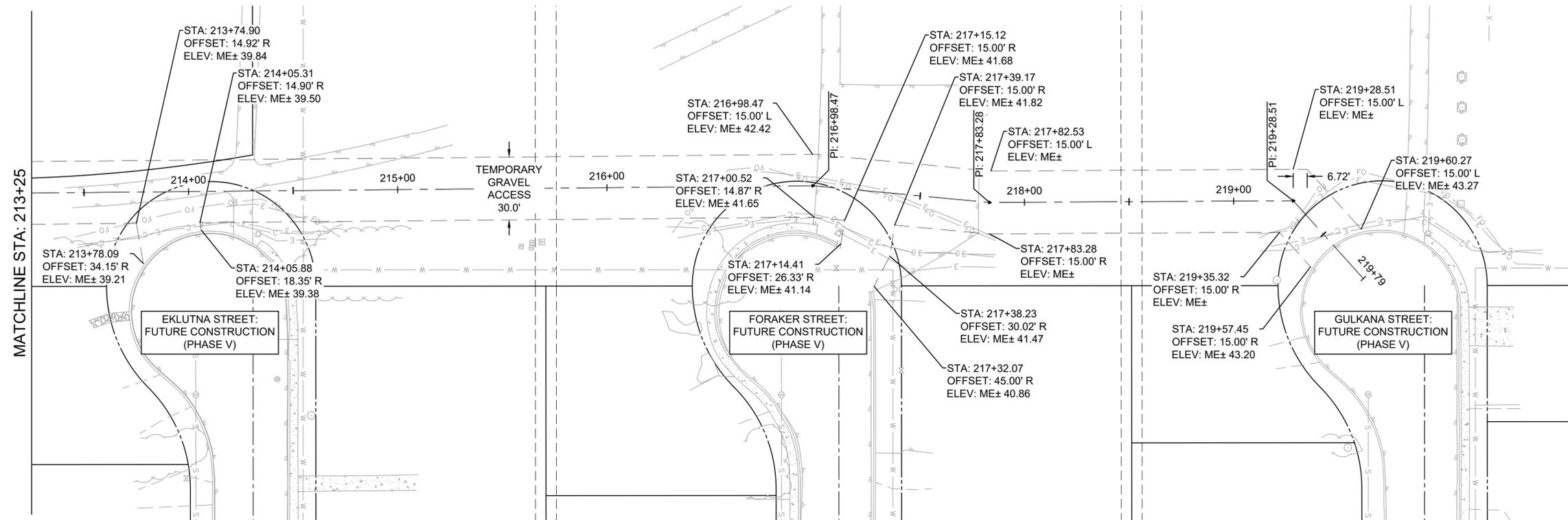
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
TEMPORARY GRAVEL ACCESS

PROJECT 63461.01  
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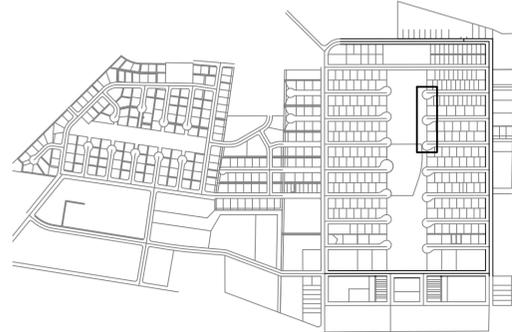
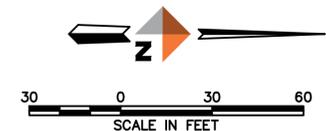
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- NOTES**
1. ALL LAYERS ARE TO BE COMPACTED TO 95% MODIFIED PROCTOR.
  2. TEMPORARY ACCESS WILL BE REMOVED UPON COMPLETION OF VALDEZ PAVEMENT REHABILITATION PHASE IV MEALS AVENUE.
  3. AFTER REMOVAL OF TEMPORARY ACCESS, DISTURBED AREAS SHALL BE FILLED WITH UNCLASSIFIED SOIL AND REGRADED. AREA TO BE STABILIZED WITH 2" TOPSOIL AND SEED.

**TEMPORARY ACCESS ROAD SECTION**



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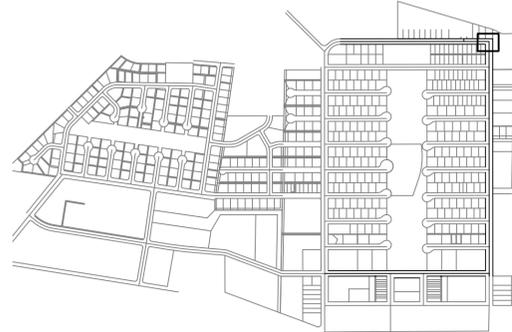
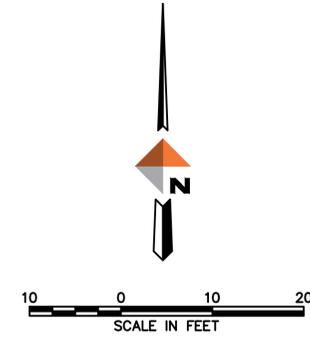
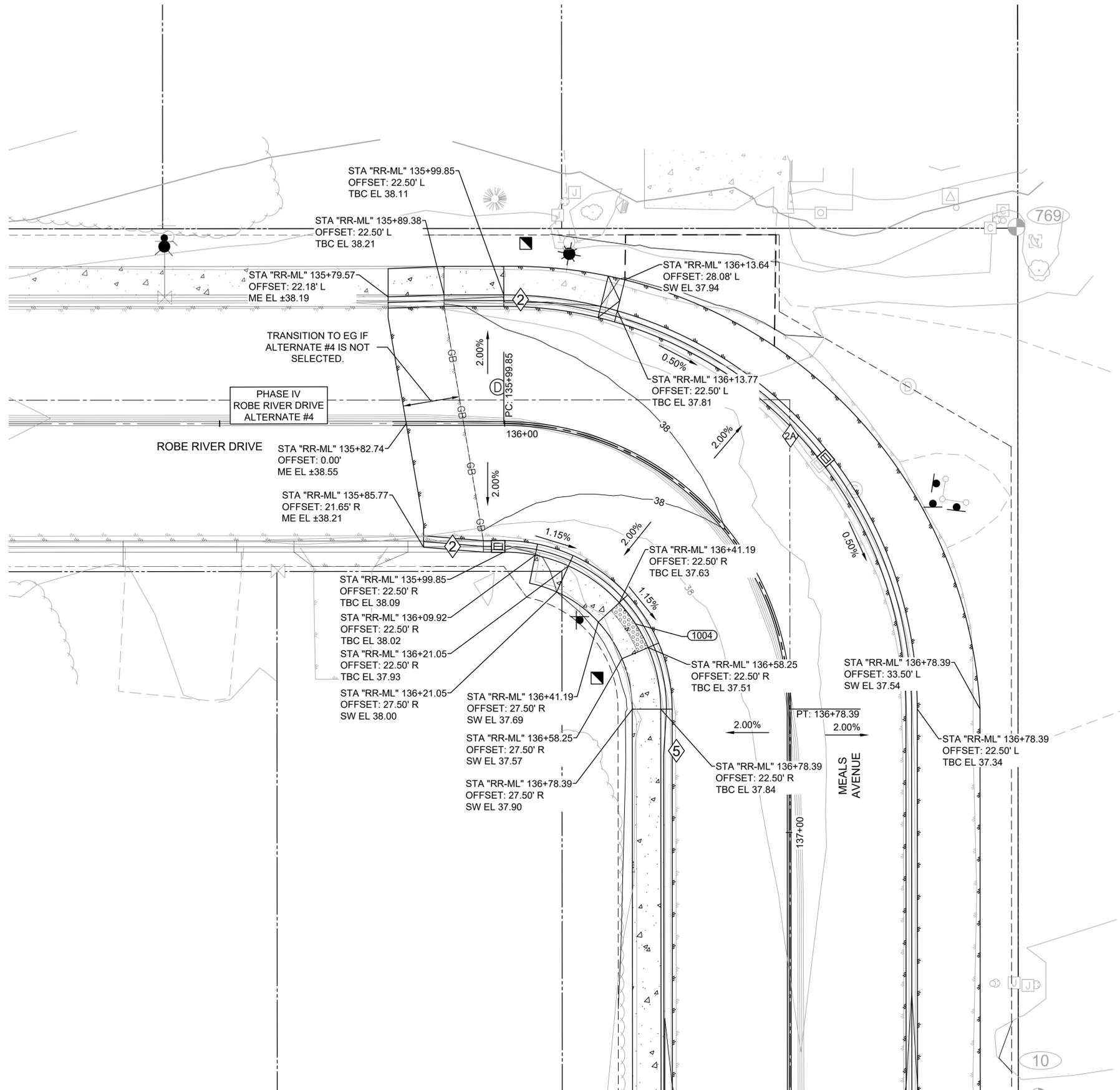
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
TEMPORARY GRAVEL ACCESS  
VALDEZ, ALASKA

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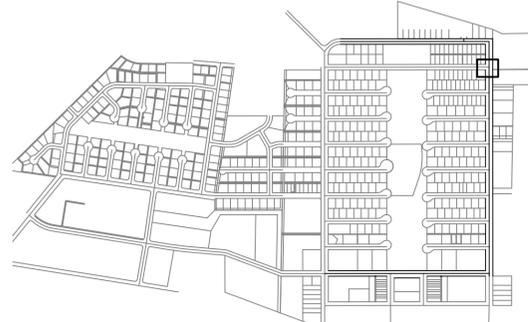
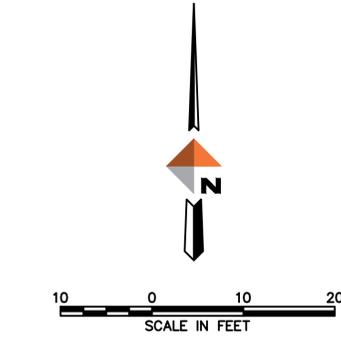
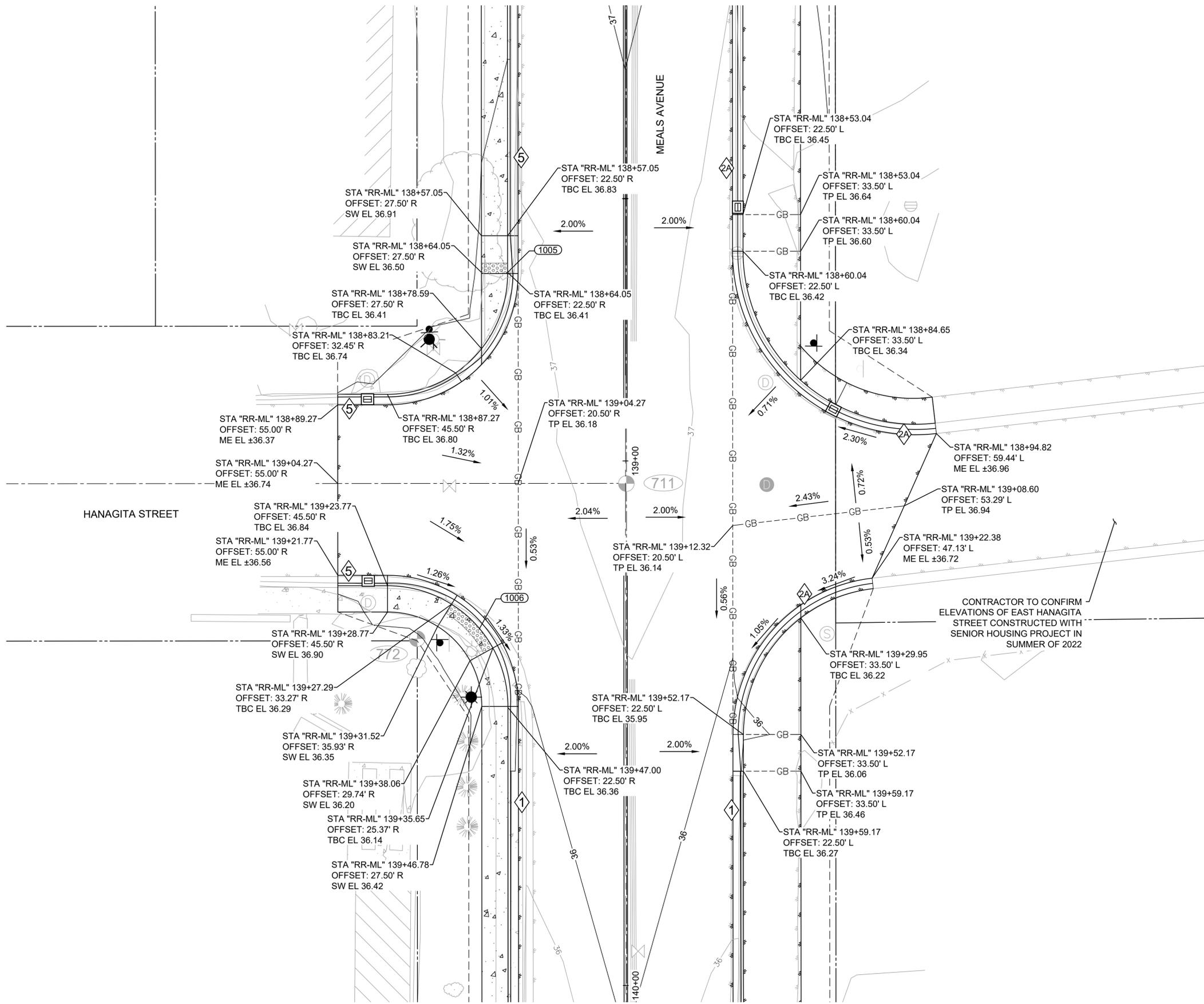
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PHASE IV-MEALS AVENUE  
INTERSECTION GRADING

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KEY MAP  
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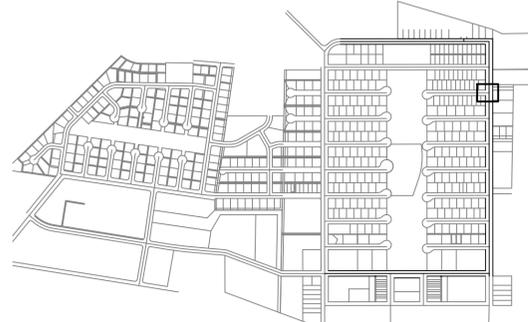
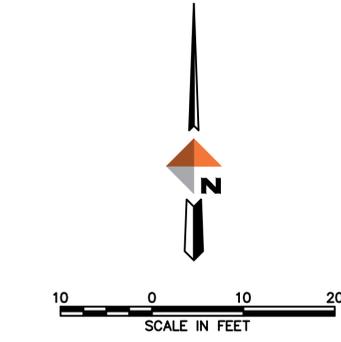
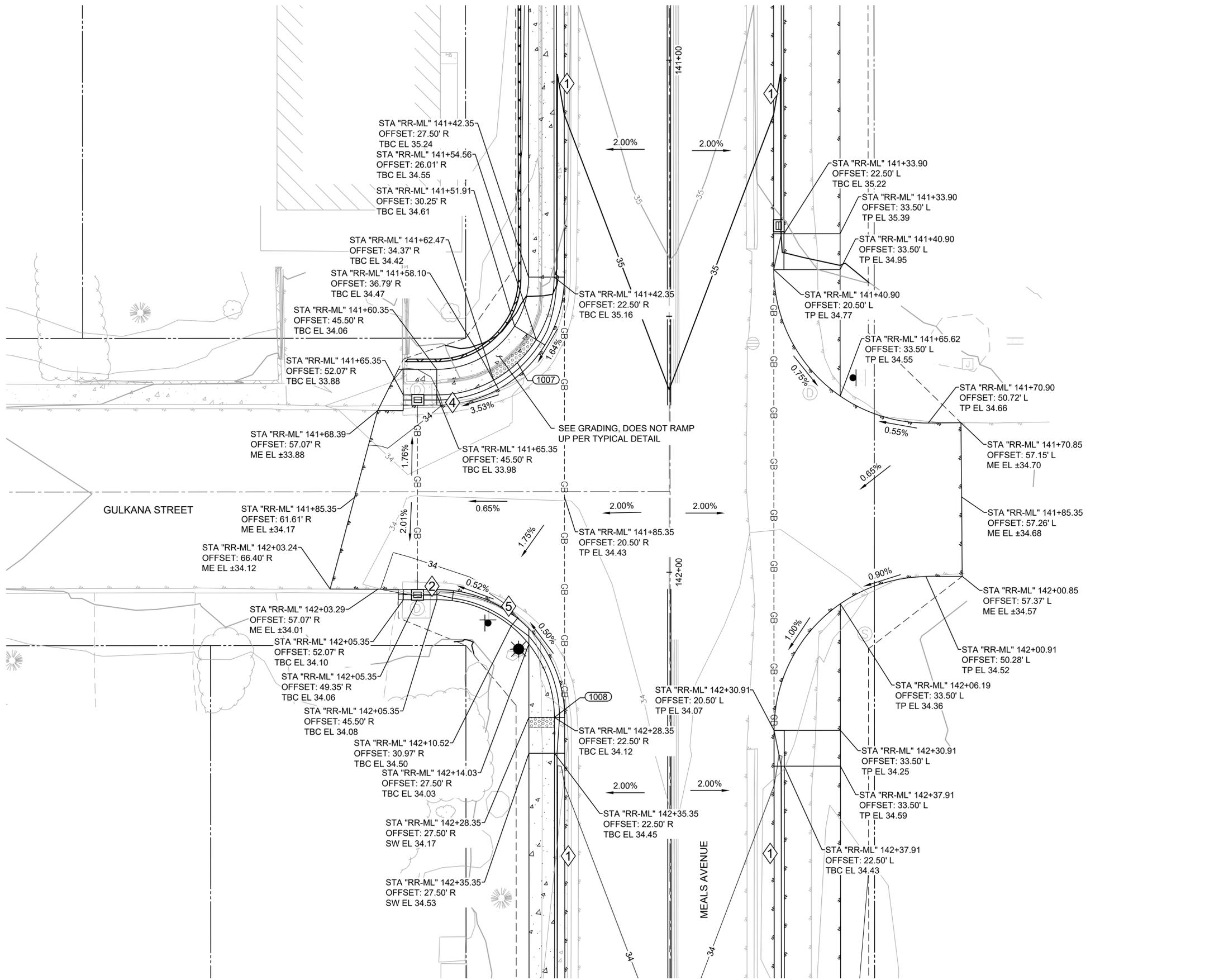
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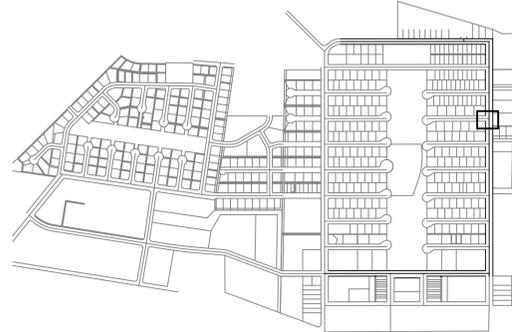
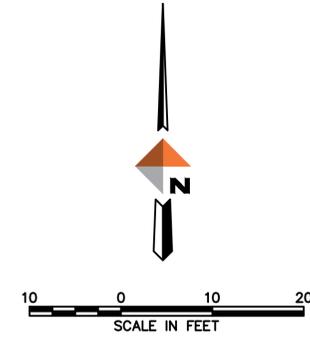
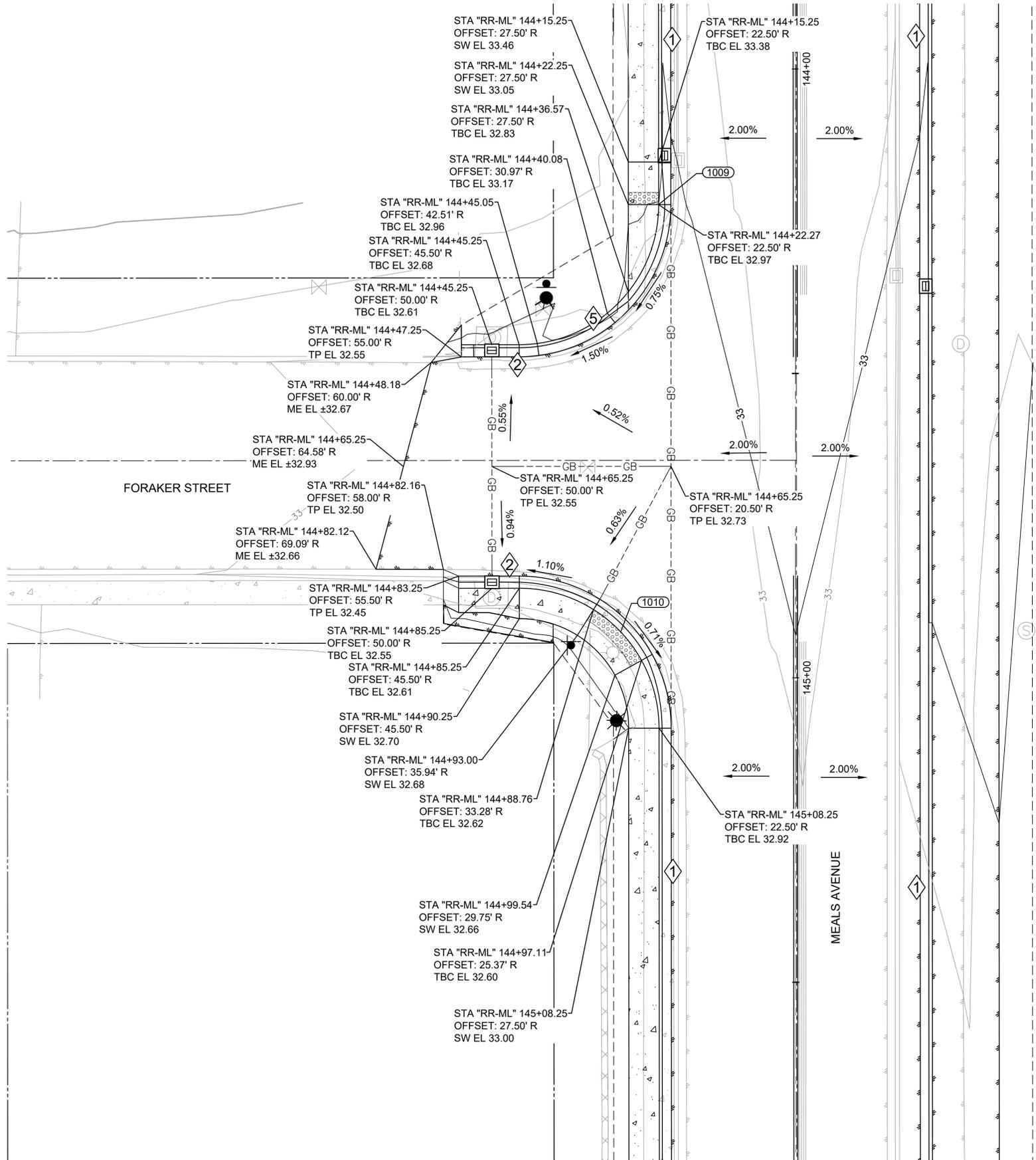
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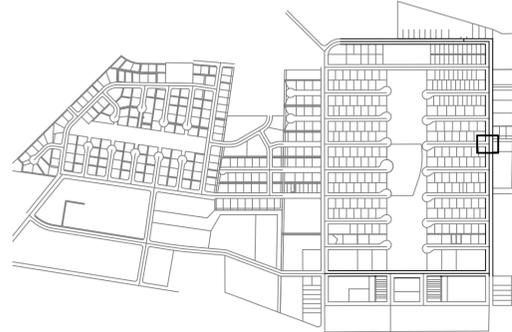
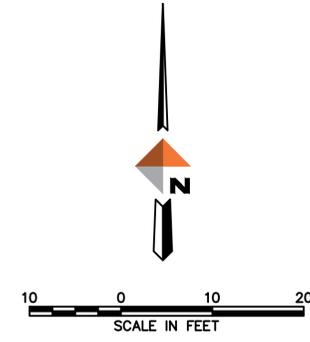
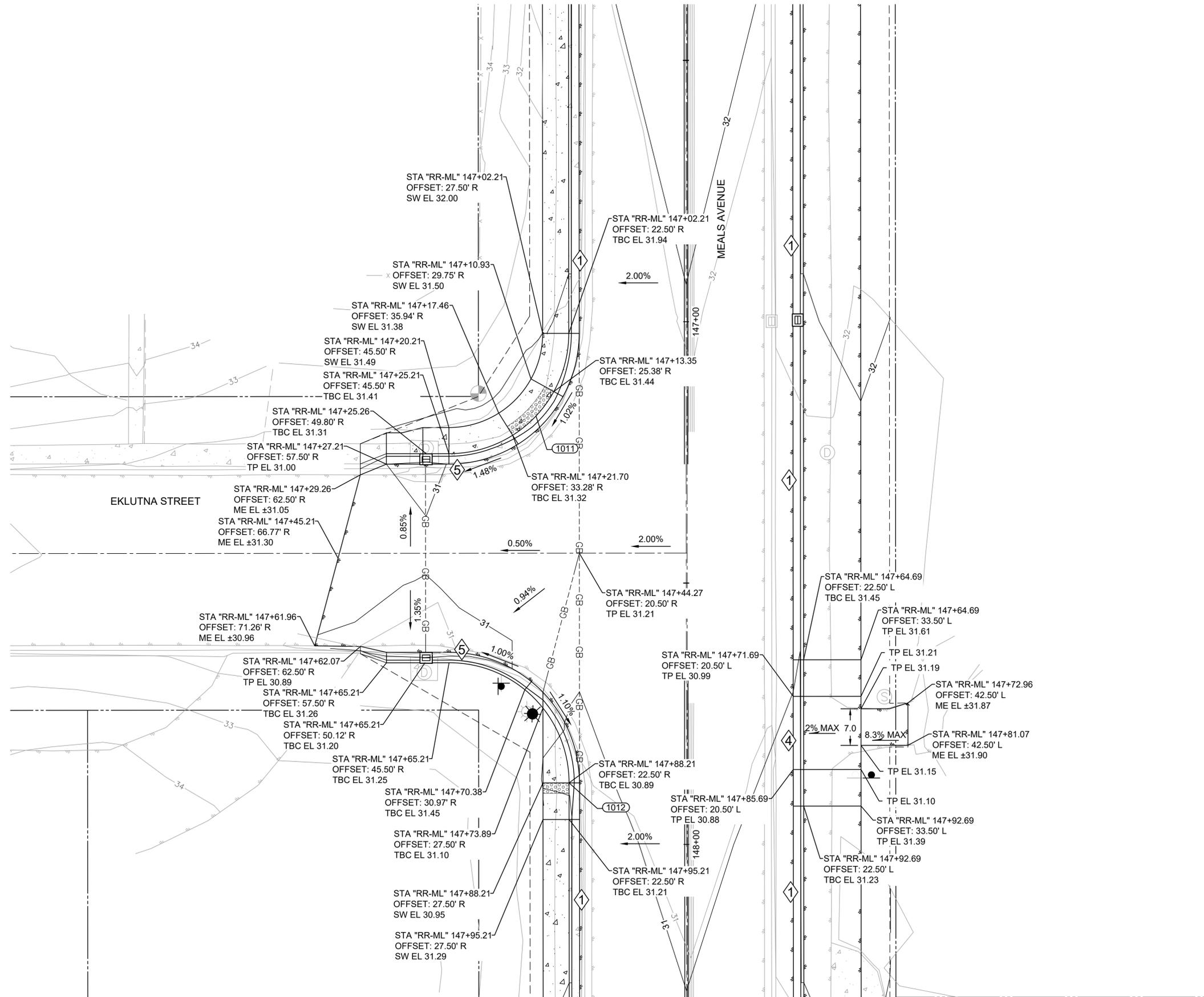
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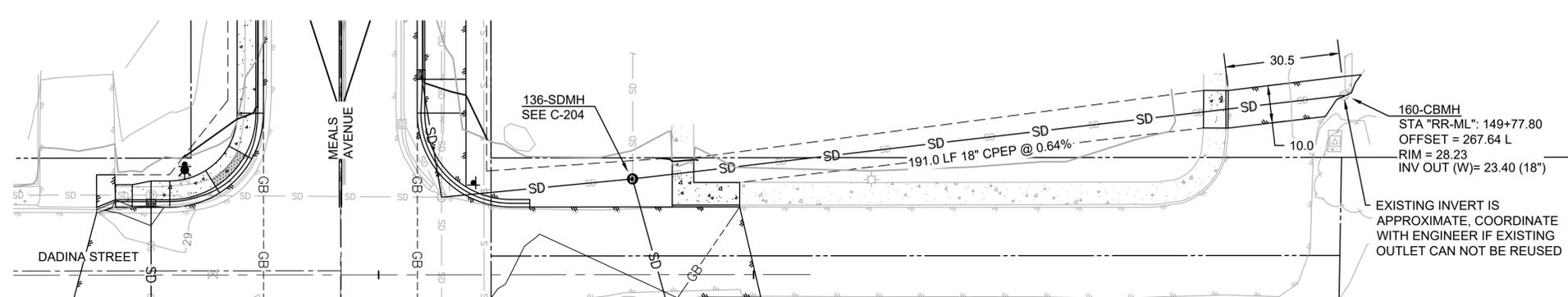
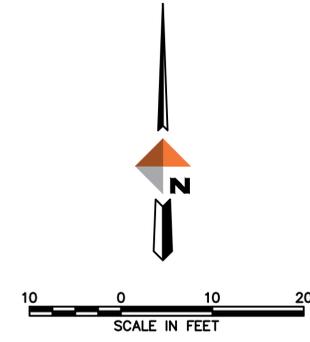
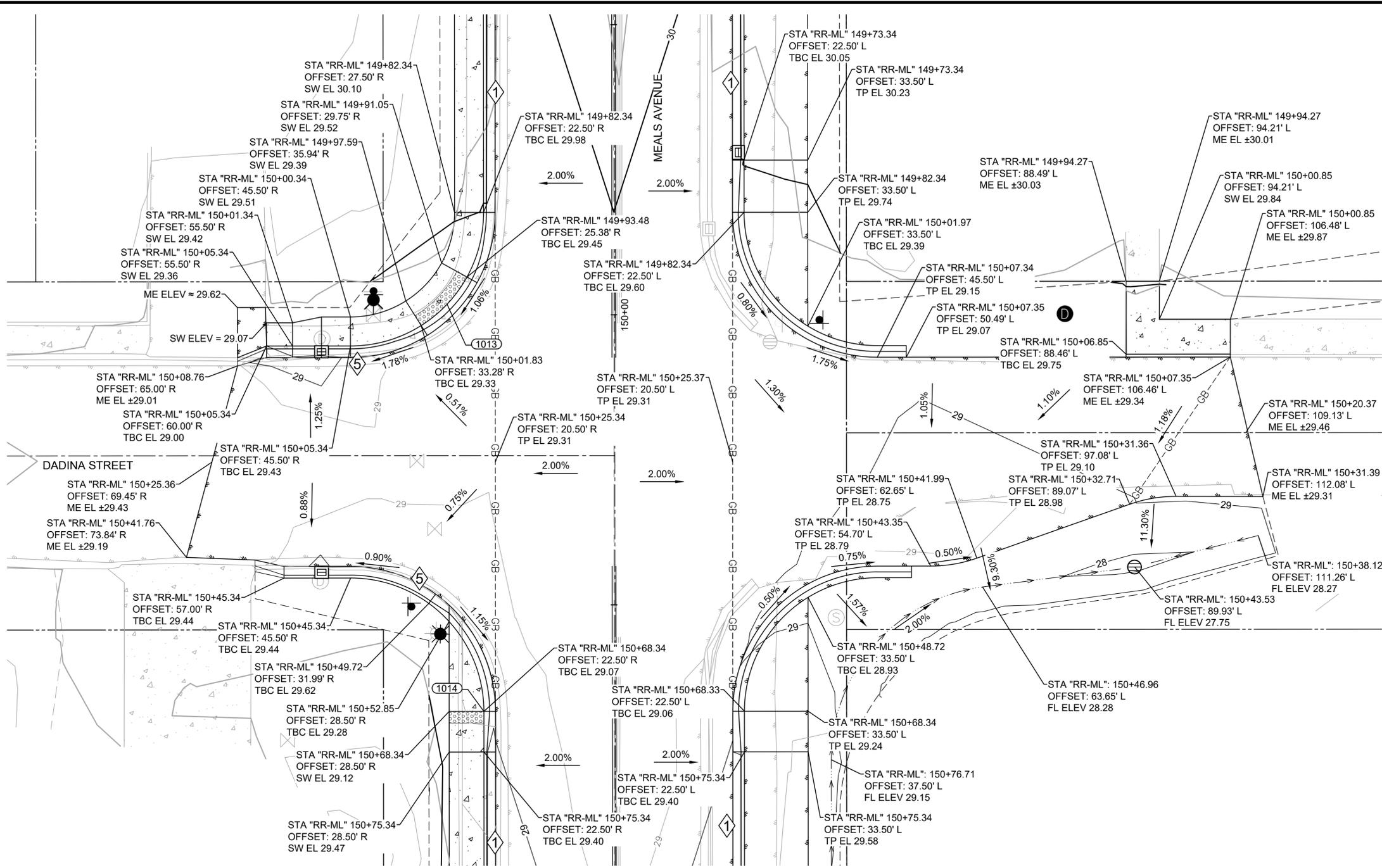
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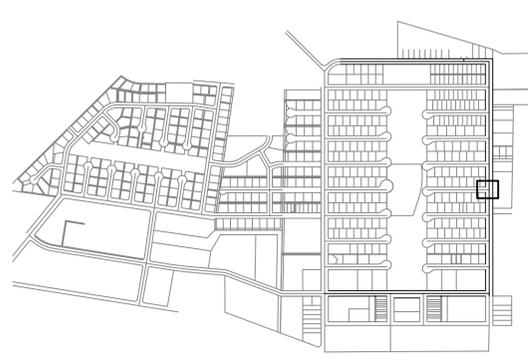
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STORM PIPE MH134-MH160  
SCALE: 1"=20'



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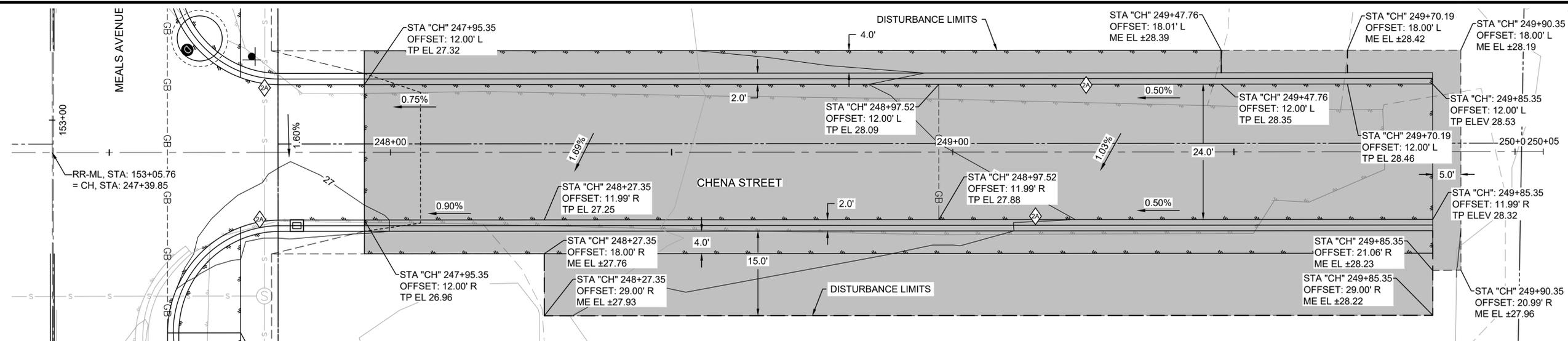
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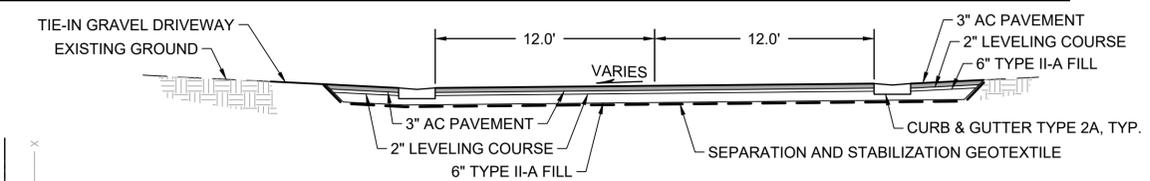
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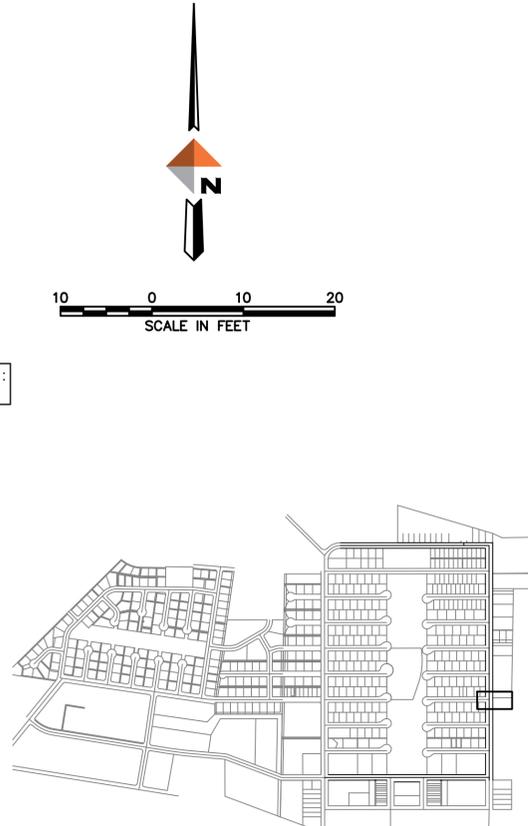
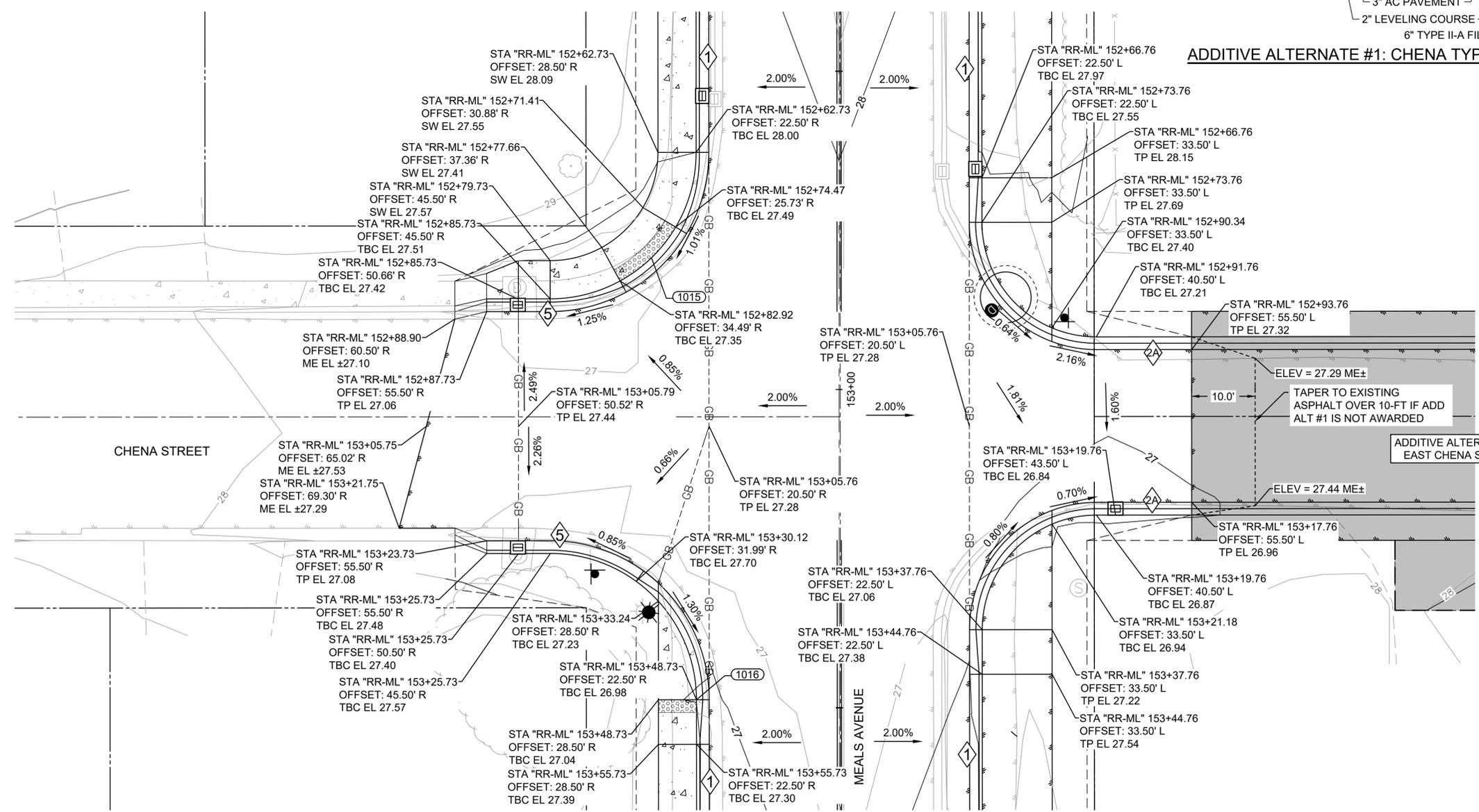
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ADDITIVE ALTERNATE #1: CHENA STREET EAST



ADDITIVE ALTERNATE #1: CHENA TYPICAL SECTION



KEY MAP  
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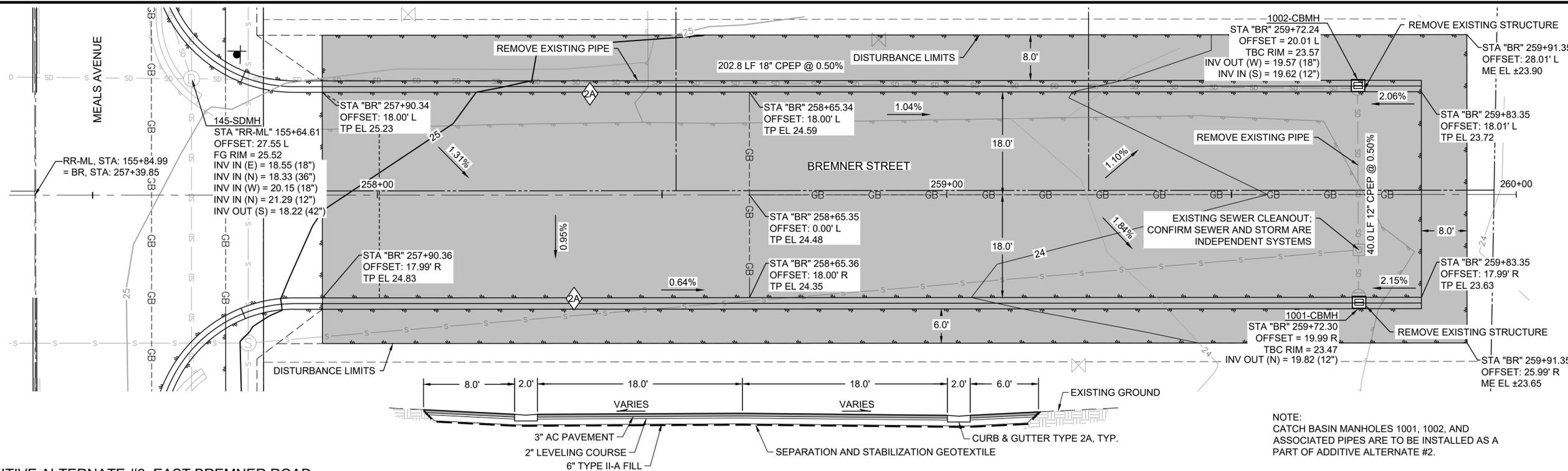
VALDEZ PAVEMENT REHABILITATION  
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VALDEZ, ALASKA

PROJECT 63461.01  
DATE 01/16/2026

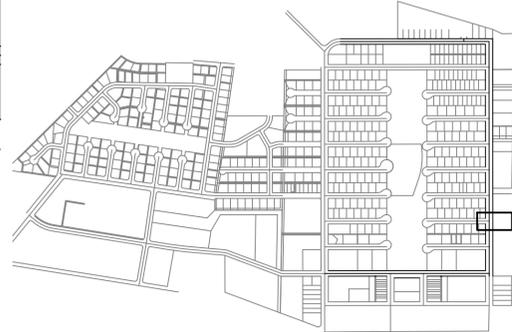
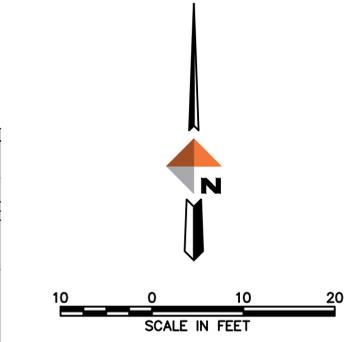
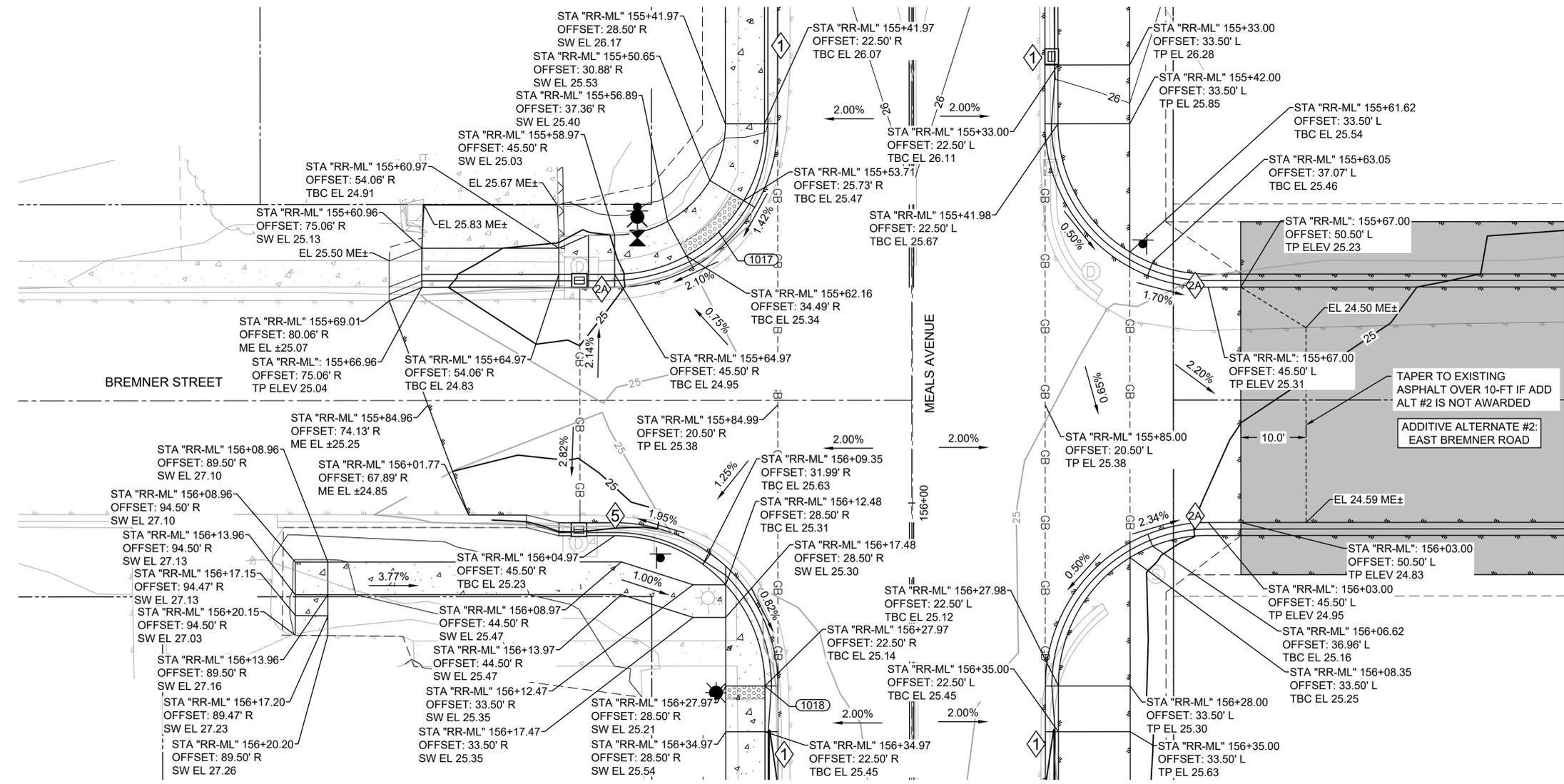
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**ADDITIVE ALTERNATE #2: EAST BREMNER ROAD**



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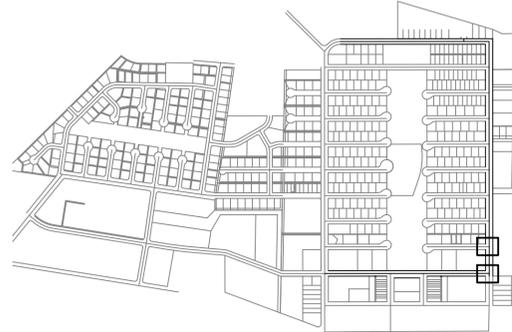
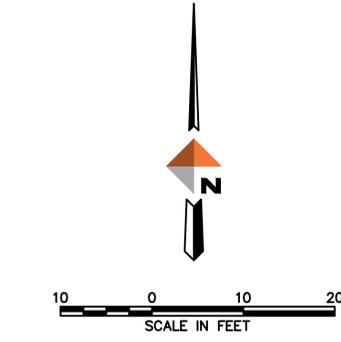
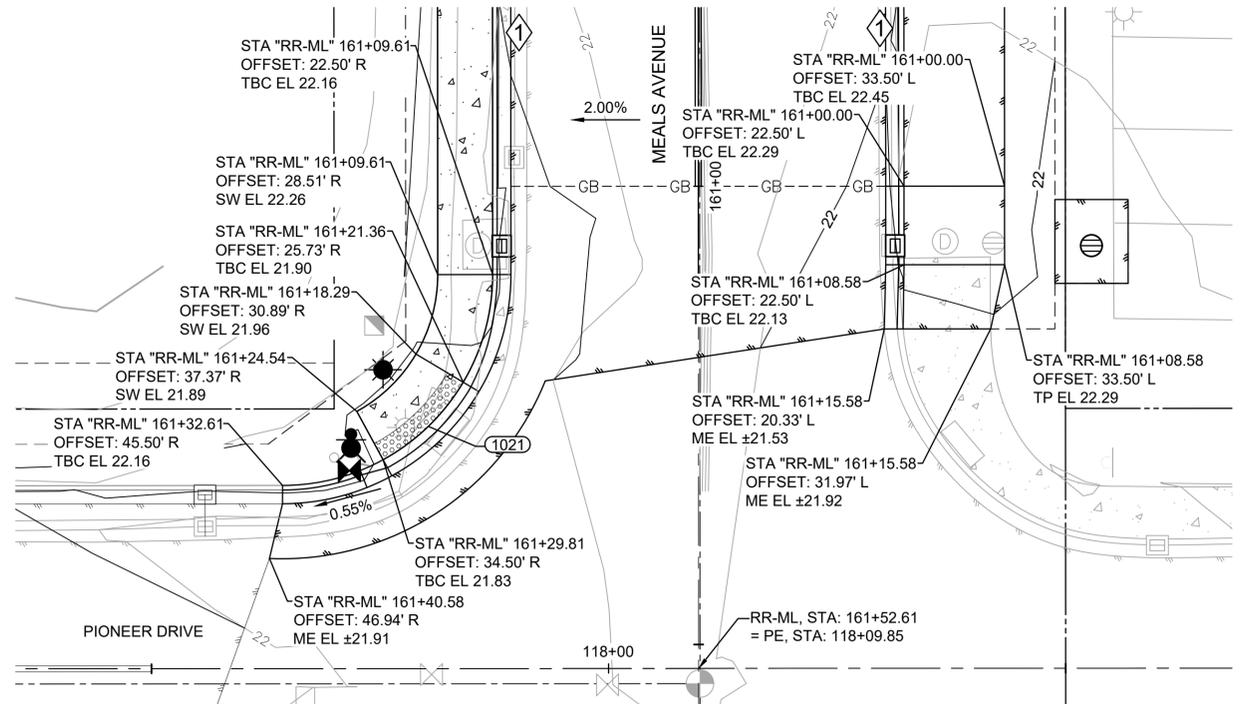
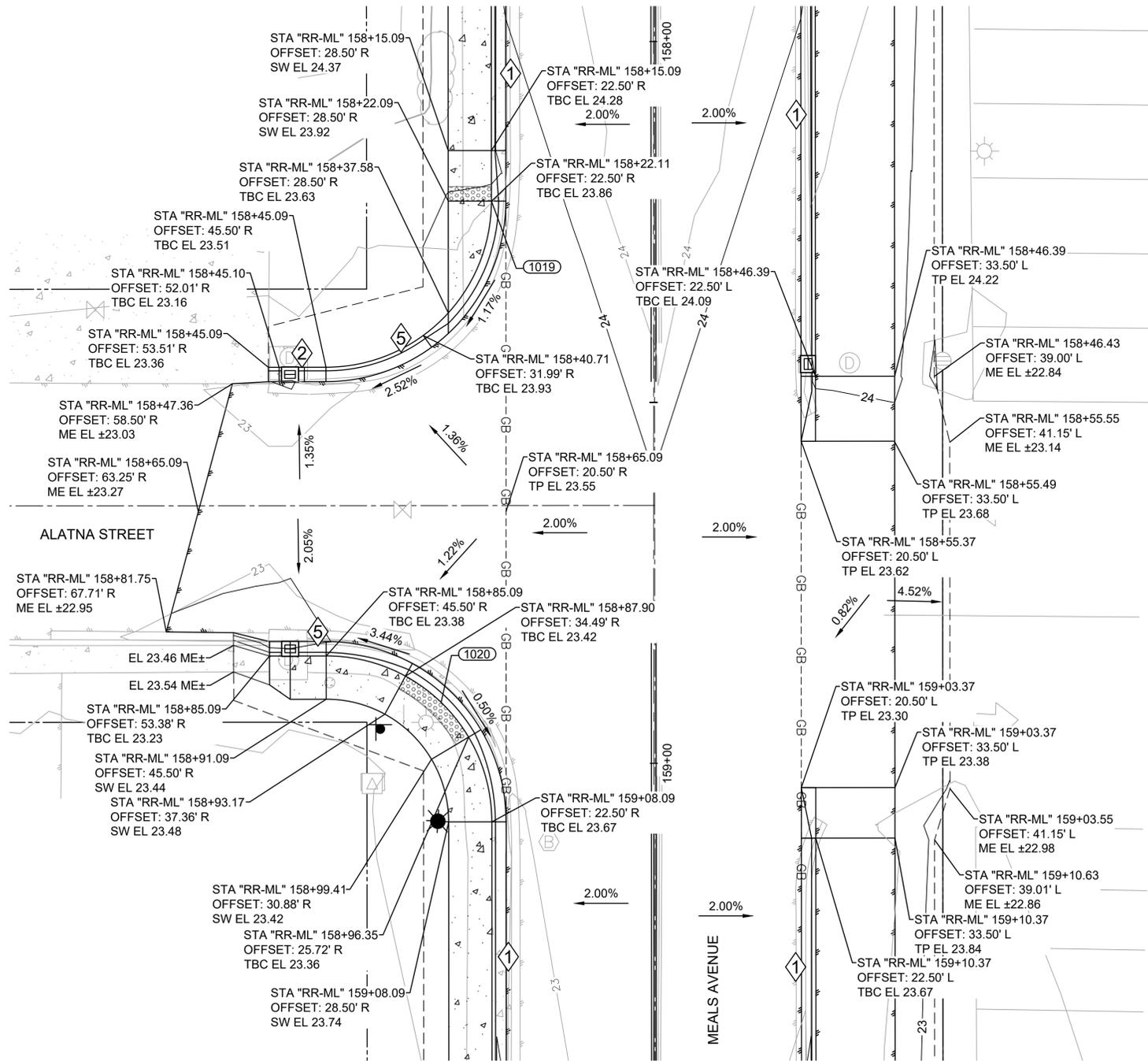
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KEY MAP  
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REV	DATE	DESCRIPTION



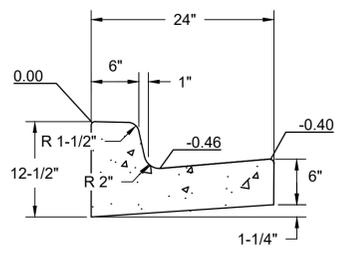
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PHASE IV-MEALS AVENUE  
INTERSECTION GRADING

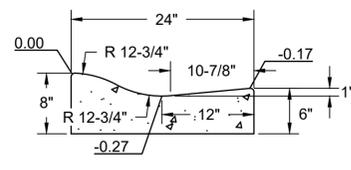
PROJECT 63461.01  
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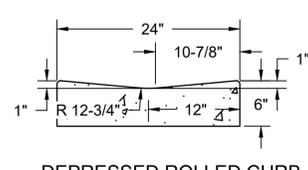
C-309



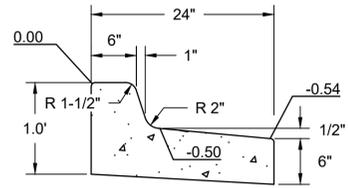
STANDING CURB AND GUTTER  
TYPE 1



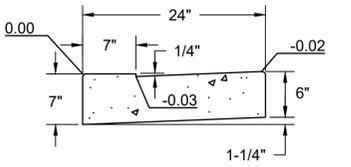
ROLLED CURB AND GUTTER  
TYPE 2



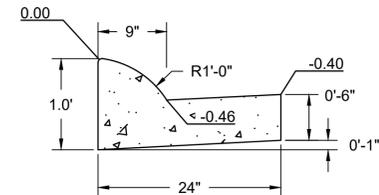
DEPRESSED ROLLED CURB  
TYPE 2A



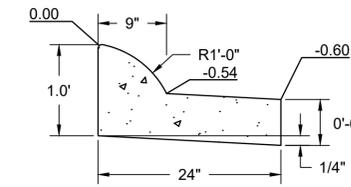
SHEDDING CURB AND GUTTER  
TYPE 3



DEPRESSED CURB AND GUTTER  
(USED AT CURB CUTS)  
TYPE 4

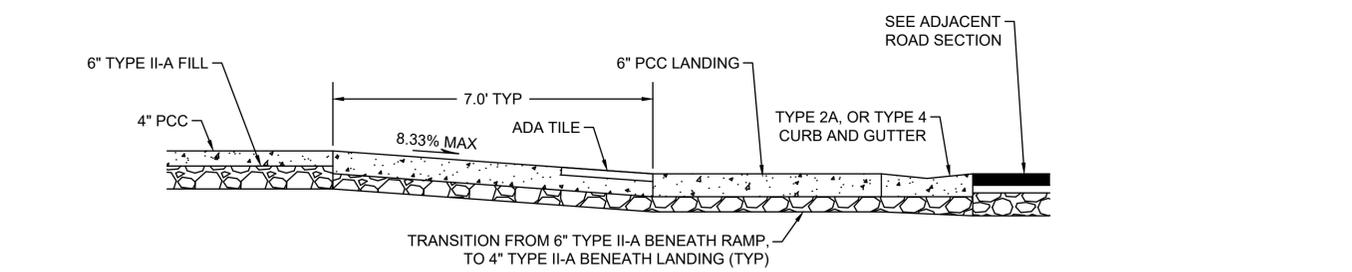


FULL HEIGHT ROLLED CURB AND GUTTER  
TYPE 5

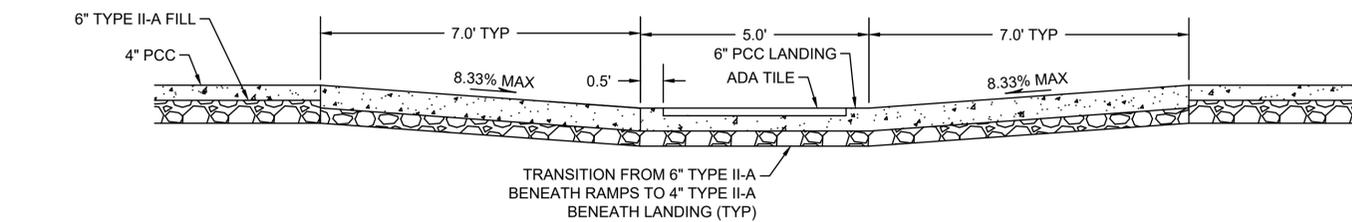


FULL HEIGHT ROLLED SHEDDING CURB AND GUTTER  
TYPE 6

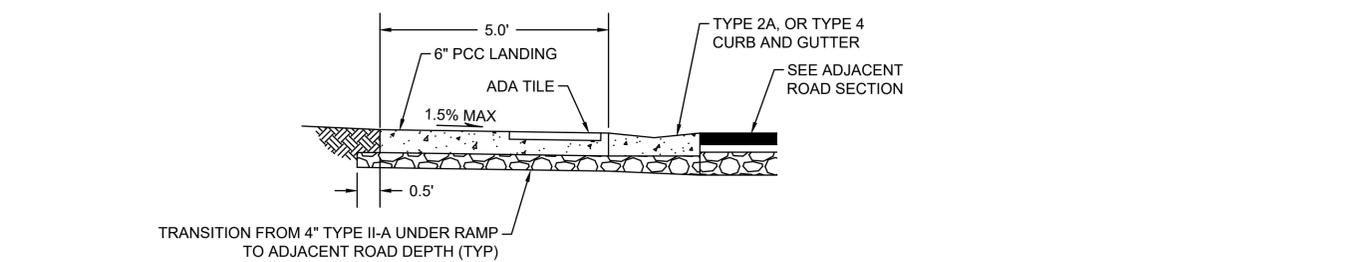
1 C-401 CURB AND GUTTER CROSS SECTIONS (SEE COV 30-1)  
NTS



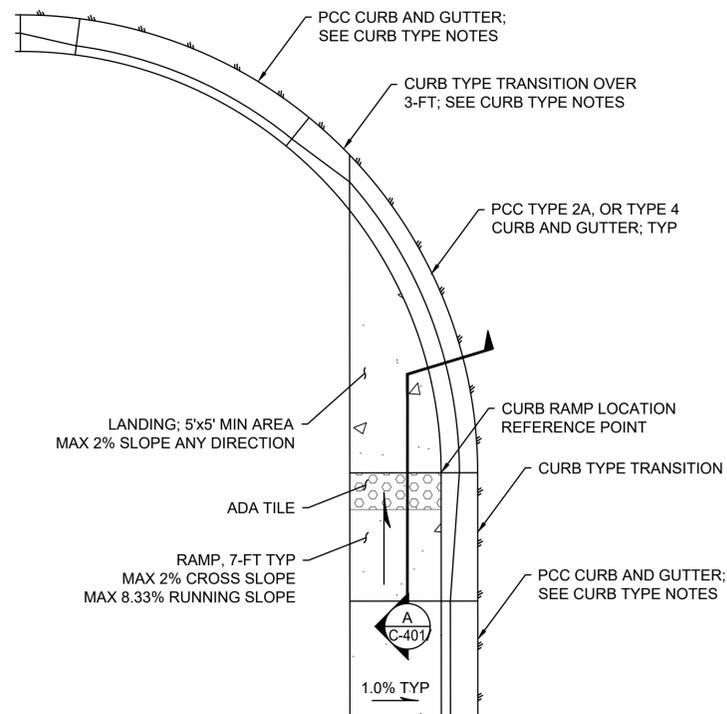
A C-401 PERPENDICULAR CURB RAMP-SECTION, TYP  
NTS



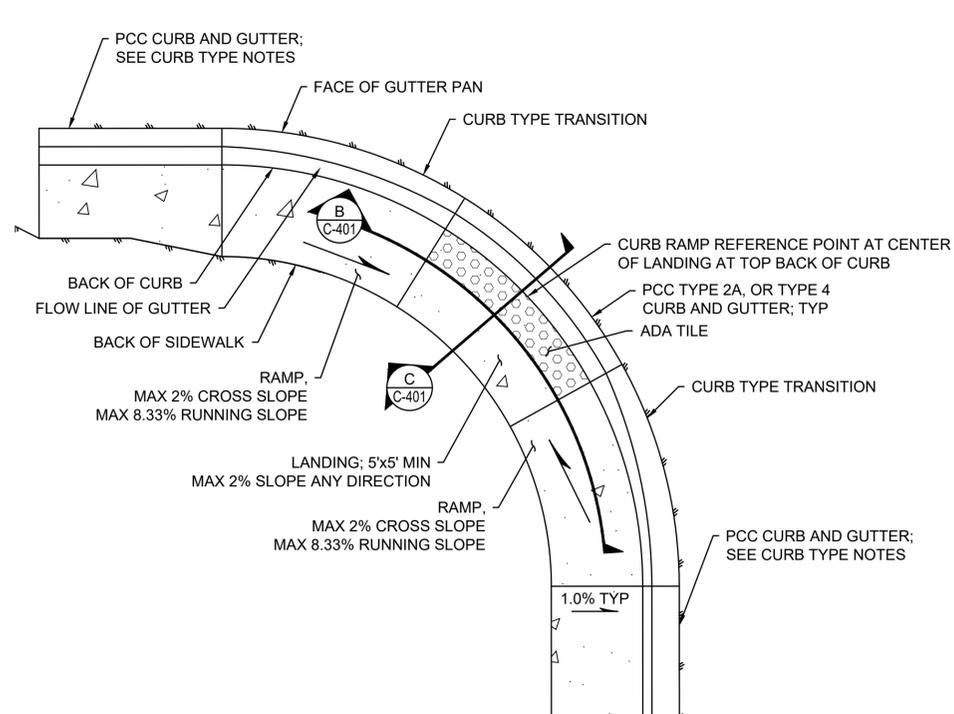
B C-401 PARALLEL CURB RAMP, TYP  
NTS



C C-401 PARALLEL CURB RAMP, TYP  
NTS



2 C-401 TYPE II PARALLEL CURB RAMP - PLAN, TYP  
NTS



3 C-401 TYPE I PARALLEL CURB RAMP, TYP  
NTS

CURB TYPE NOTES:

- USE TYPE 4 CURB AND GUTTER THROUGH LANDING WHEN TYPE 1 OR TYPE 5 CURB AND GUTTER ARE USED ON THE UPHILL SIDE OF RAMP.
- USE TYPE 2A CURB AND GUTTER THROUGH LANDING WHEN TYPE 2 CURB AND GUTTER IS USED ON THE UPHILL SIDE OF RAMP.

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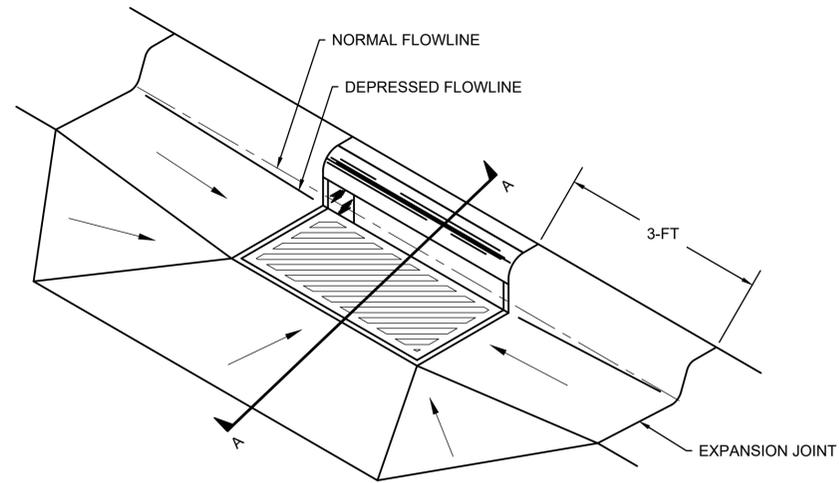
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
DETAILS  
VALDEZ, ALASKA

PROJECT	63461.01
DATE	01/16/2026

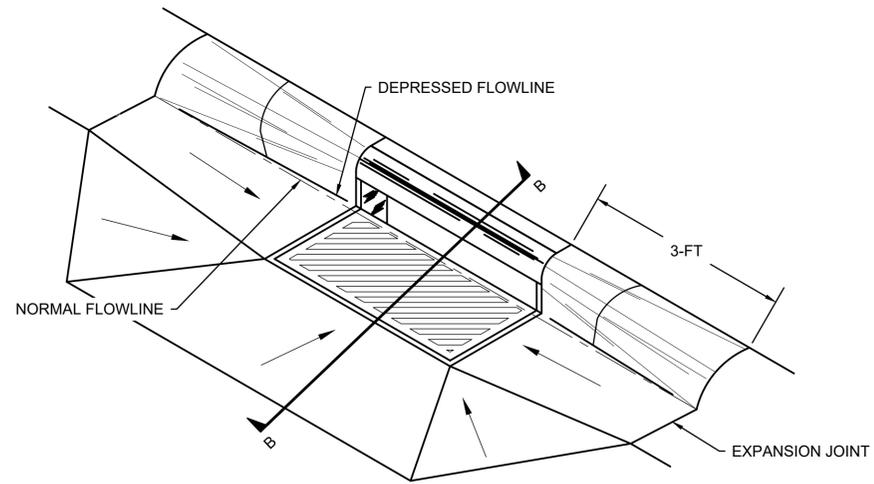
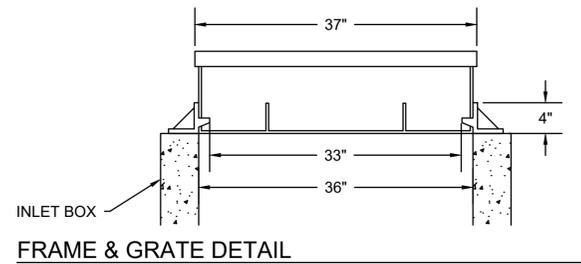
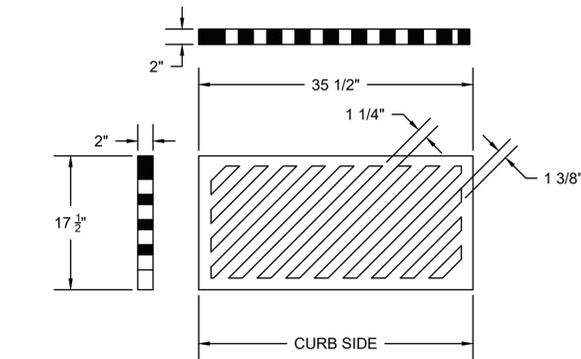
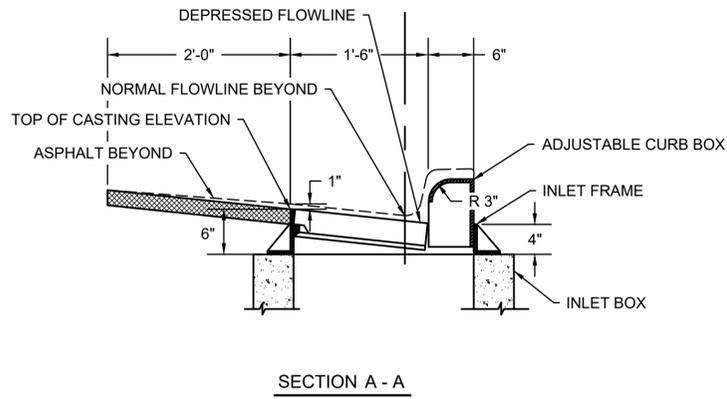
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**C-401**

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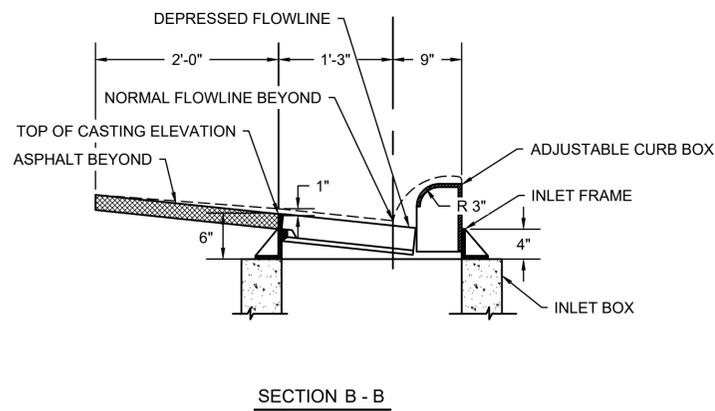
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1 TYPE 1 C&G FRAME AND GRATE  
C-402 NTS



2 TYPE 5 C&G FRAME AND GRATE  
C-402 NTS



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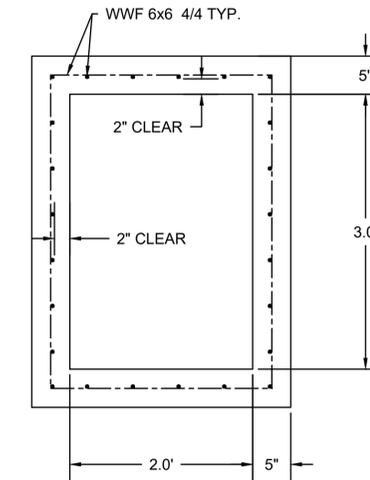
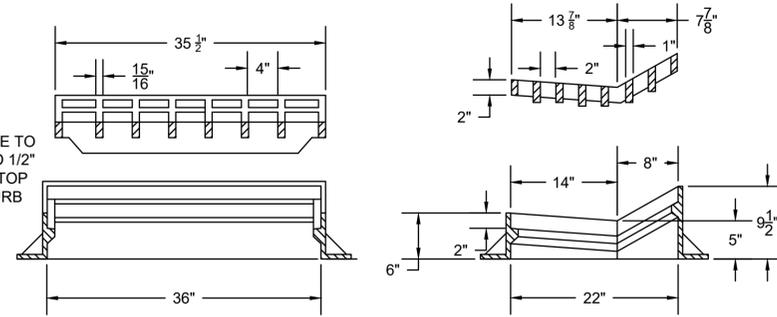
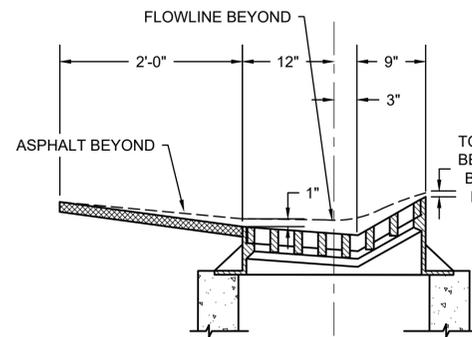
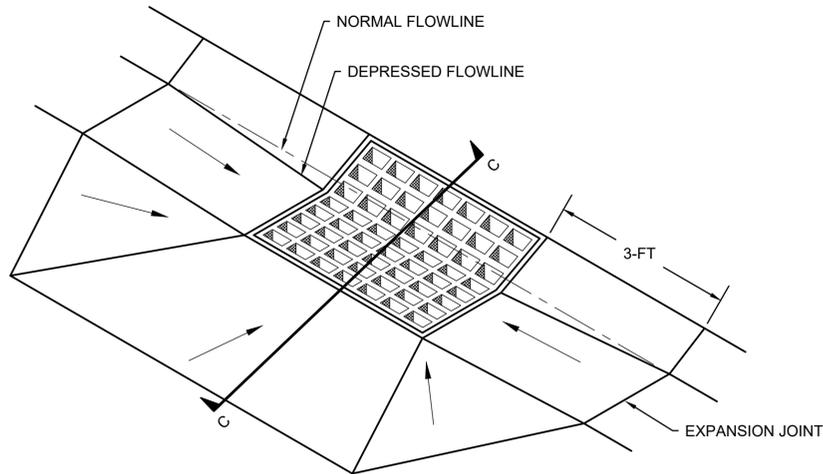


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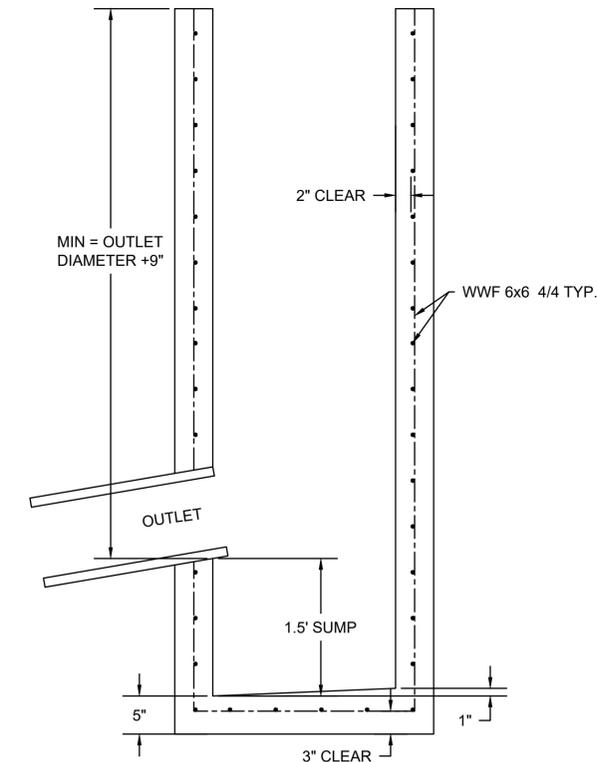
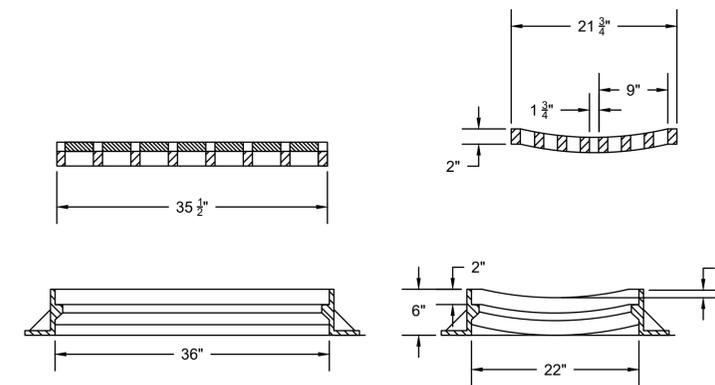
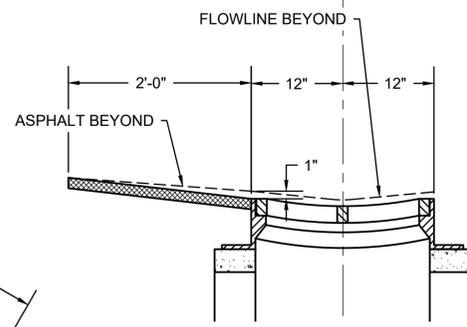
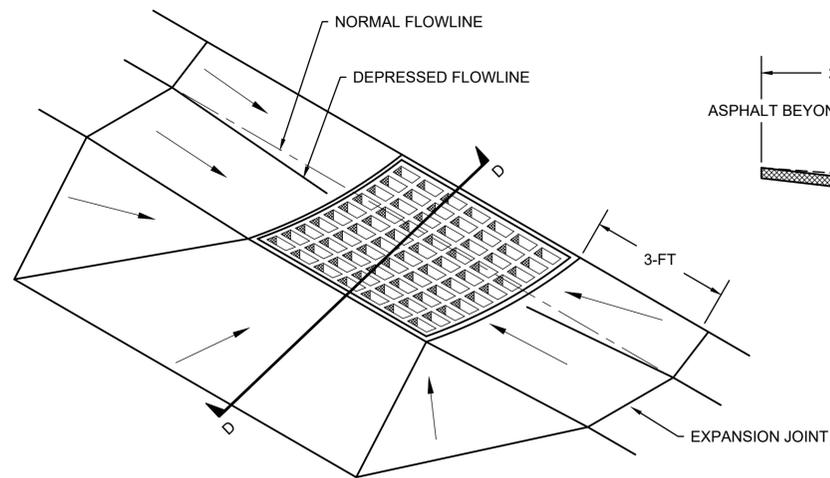
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
DETAILS  
VALDEZ, ALASKA

PROJECT	63461.01
DATE	01/16/2026

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**C-402**



3 TYPE 2 CURB & GUTTER INLET  
C-403 NTS



4 TYPE 2A/4 CURB & GUTTER  
C-403 NTS

5 TYPE "A" INLET BOX  
C-403 NTS

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PHASE IV-MEALS AVENUE  
DETAILS  
VALDEZ, ALASKA

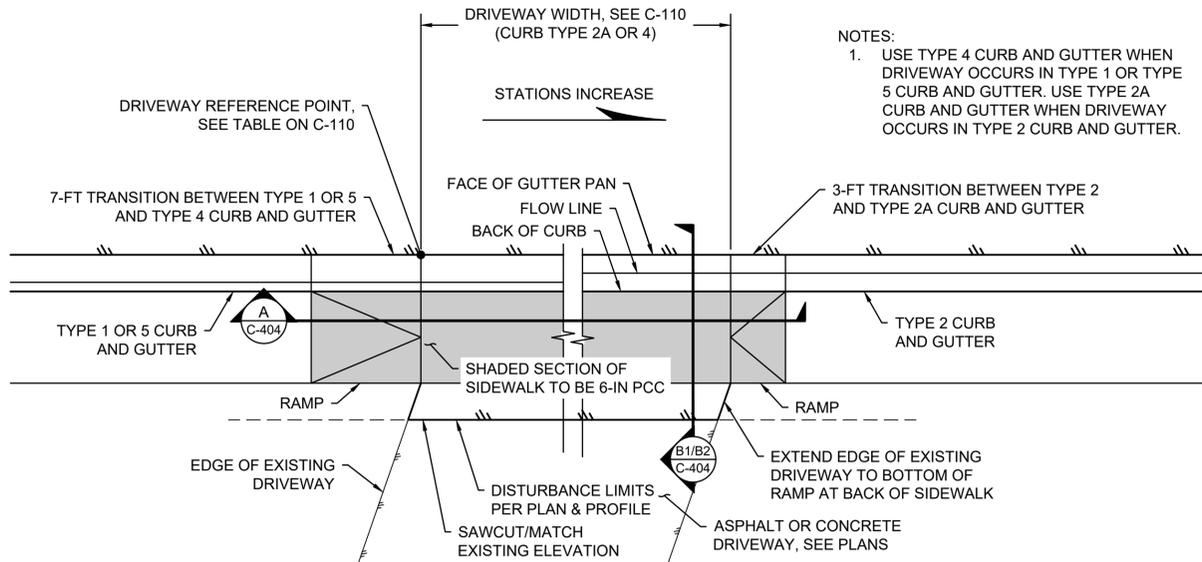
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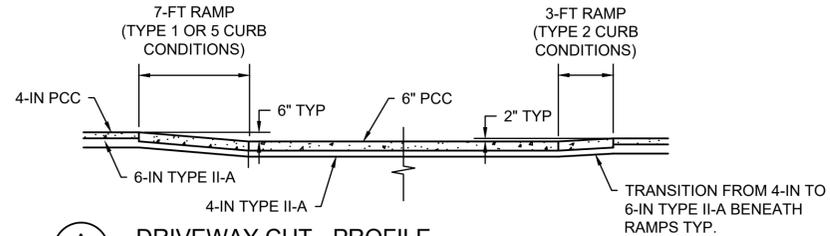
C-403

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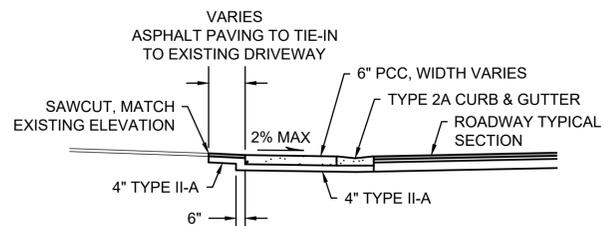
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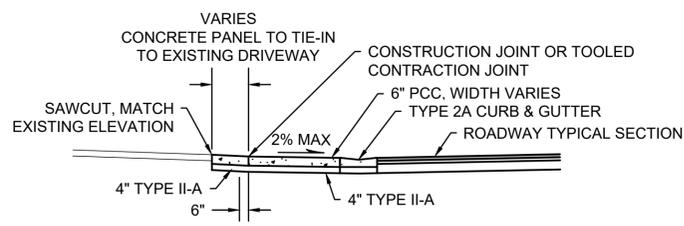
1 DRIVEWAY WITH SIDEWALK - PLAN  
C-404 NTS



A DRIVEWAY CUT - PROFILE  
C-404 NTS

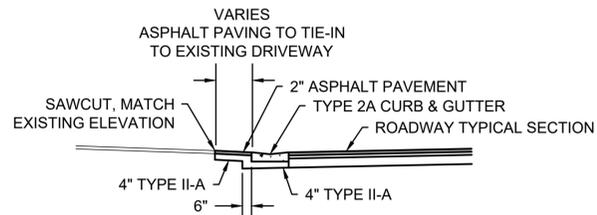


B1 ASPHALT DRIVEWAY W/SIDEWALK  
C-404 NTS

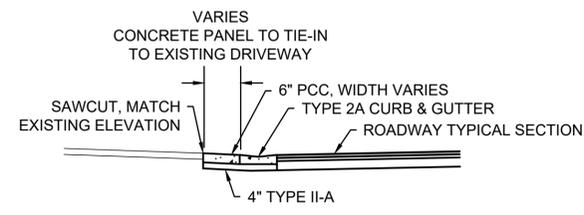


B2 CONCRETE DRIVEWAY W/SIDEWALK  
C-404 NTS

\* DETAILS TITLED WITH 1 OR 2 REPRESENT DIFFERENT SURFACE CONDITIONS. ONLY ONE DETAIL WILL BE USED AT EACH DRIVEWAY DEPENDING ON IT BEING ASPHALT OR CONCRETE.



E1 ASPHALT DRIVEWAY W/OUT SIDEWALK  
C-404 NTS

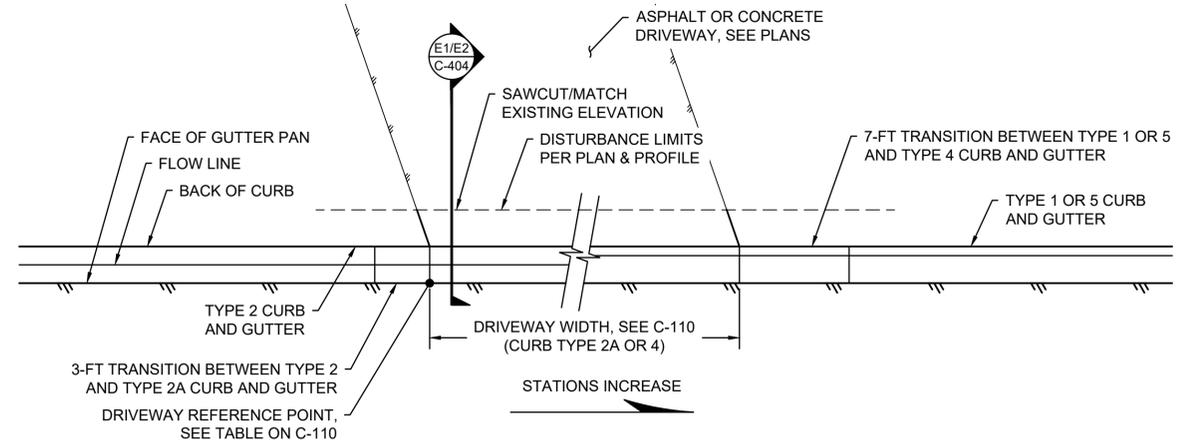


E2 CONCRETE DRIVEWAY W/OUT SIDEWALK  
C-404 NTS

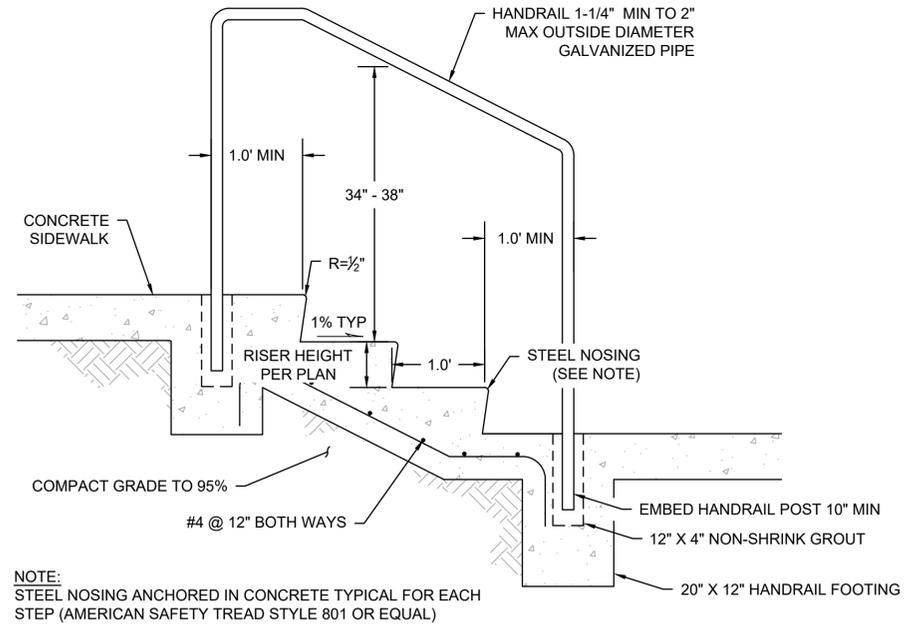
DRIVEWAY NOTES:

- SEE SUMMARY TABLE FOR DRIVEWAY LOCATIONS, WIDTHS, AND MATERIAL TYPES. REMOVE AND REPLACE EXISTING MATERIAL AS REQUIRED TO INSTALL NEW CURB AND GUTTER AND GRADE TO DRAIN.
- RAMP GRADES WILL VARY BASED ON CURB GRADES. NOTIFY ENGINEER OF RECORD IF RESULTING RAMP GRADES ARE LESS THAN 0.5% OR GREATER THAN 8.3%.
- TOOLED CONTRACTION JOINTS AT THE TOP AND BOTTOM OF EACH RAMP SHALL BE PERPENDICULAR TO THE BACK OF CURB.
- THE GRADE OF ALL SIDEWALK CROSS-SLOPES, INCLUDING RAMP AND LANDINGS, SHALL BE 1.5% TYPICAL AND 2% MAXIMUM.

NOTES:  
1. USE TYPE 4 CURB AND GUTTER WHEN DRIVEWAY OCCURS IN TYPE 1 OR TYPE 5 CURB AND GUTTER. USE TYPE 2A CURB AND GUTTER WHEN DRIVEWAY OCCURS IN TYPE 2 CURB AND GUTTER.



2 DRIVEWAY WITHOUT SIDEWALK - PLAN  
C-404 NTS



3 TYPICAL HANDRAIL  
C-404 NTS

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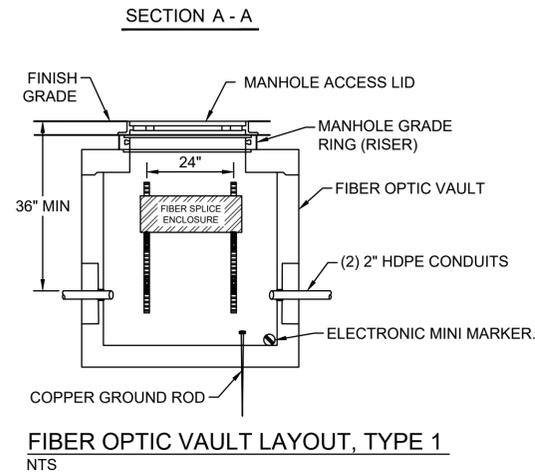
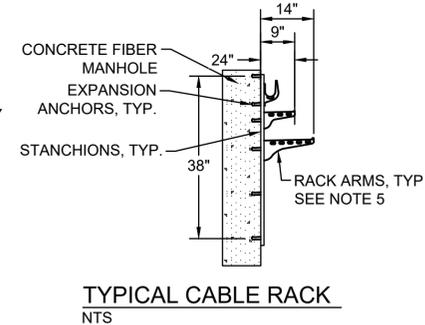
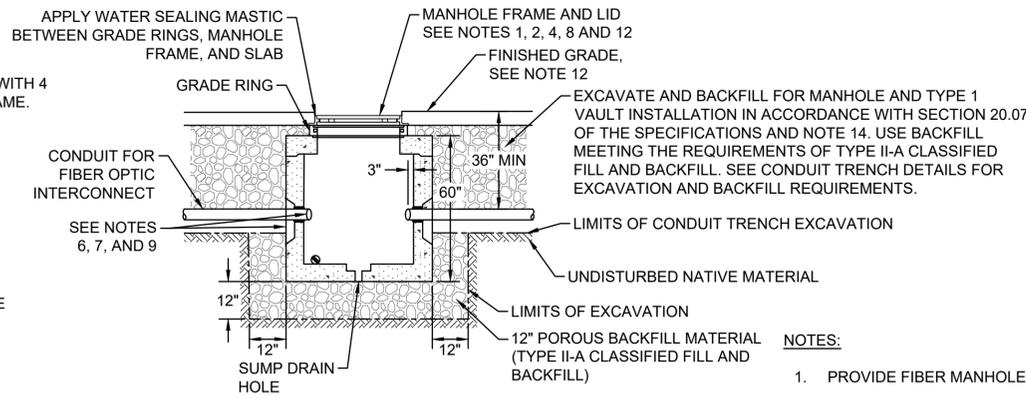
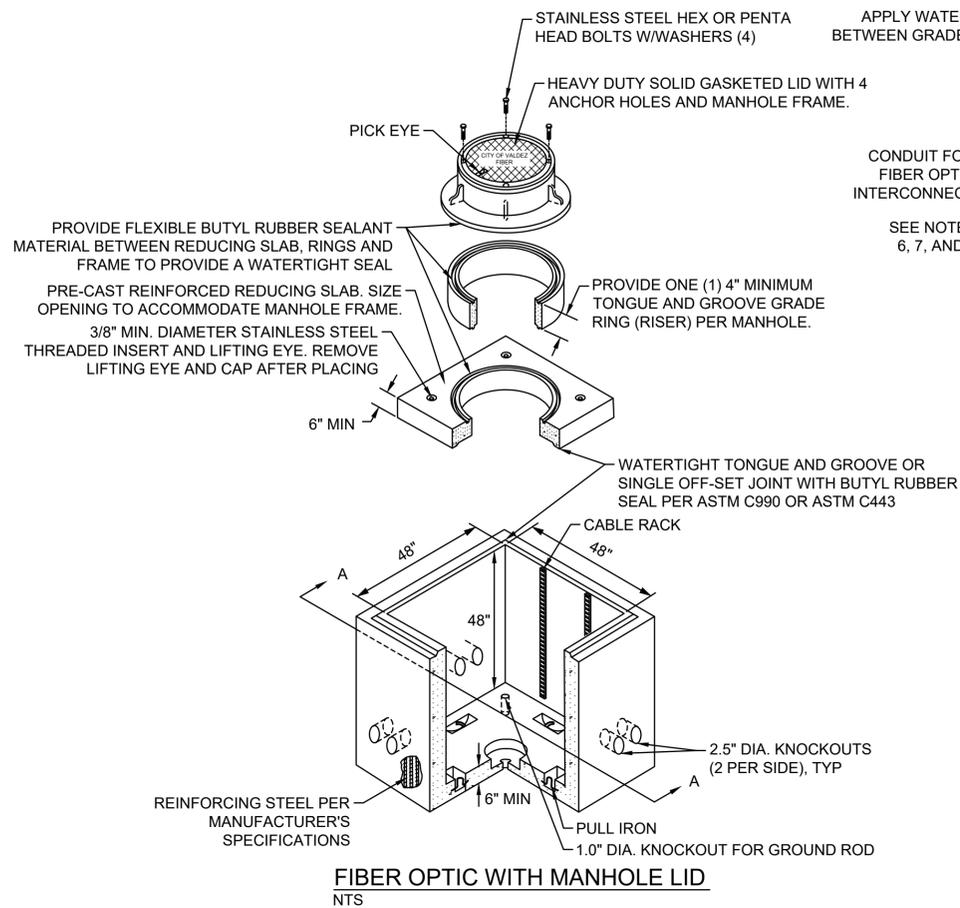
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
DETAILS  
VALDEZ, ALASKA

PROJECT 63461.01  
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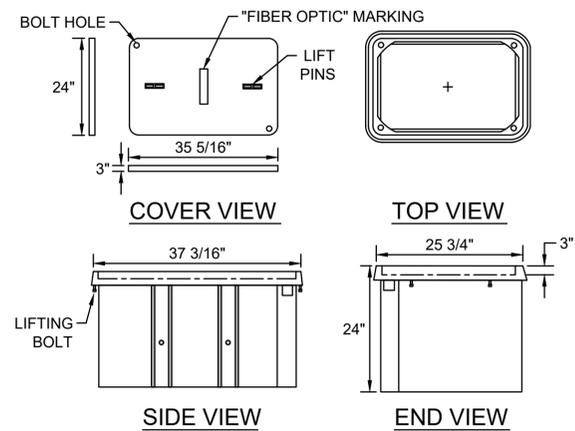
C-404

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- NOTES:**
1. PROVIDE FIBER MANHOLE LIDS RATED FOR AASHTO HS-20-44 LOADING.
  2. SUPPLY ALL LIDS WITH A HOLE OR SLOT FOR REMOVAL WITH A LEVER OR HOOK.
  3. WHERE REQUIRED BY OSHA, PROVIDE A PORTABLE ENTRY LADDER MEETING OSHA REQUIREMENTS.
  4. PROVIDE FIBER MANHOLE LIDS MARKED "CITY OF VALDEZ FIBER".
  5. PROVIDE FIBER VAULTS WITH A HEAVY-DUTY NON-METALLIC CABLE STORAGE RACK SYSTEM. PROVIDE RACK ARMS OR STANCHIONS CAPABLE OF SUPPORTING A MINIMUM OF 250 LBS. INCLUDE A MINIMUM OF 36 INCH RACK STANCHIONS AND 4 RACK ARMS.
  6. INSTALL CONDUITS INTO FIBER VAULTS AT THINWALL SECTIONS ONLY. CORE DRILL IN THE THINWALL SECTION TO CONDUIT SIZE PLUS 1/2 INCH ALL AROUND. DO NOT "KNOCK OUT" THE THINWALL SECTION.
  7. SEAL CONDUIT PENETRATIONS USING SIKA LEAKMASTER LV-1 OR APPROVED PRODUCT EQUIVALENT.
  8. BOND AND GROUND ALL METALLIC COMPONENTS OF THE FIBER VAULT, INCLUDING RACK, FRAME AND LIDS.
  9. PLUG CONDUITS ENDS TO EXCLUDE WATER UNTIL FIBER OPTIC CABLE IS INSTALLED.
  10. EXTEND GROUND ROD A MINIMUM OF 4 INCHES AND A MAXIMUM OF 6 INCHES ABOVE BOTTOM OF VAULTS AND MANHOLES.
  11. USE A SPLIT BOLT CONNECTOR TO ATTACH GROUND WIRES TO GROUND ROD. ATTACH NOT MORE THAN TWO WIRES PER BOLT.
  12. U.O.N., TOP OF FIBER VAULTS SHALL BE INSTALLED:
    - A. FROM 0" TO 3/16" BELOW FINISHED GRADE WHEN LOCATED IN A SIDEWALK OR PATHWAY;
    - B. 3/8" BELOW FINISHED GRADE WHEN LOCATED IN A PAVED PARKING LOT, MEDIAN, OR ROADWAY;
    - C. OR AS DIRECTED BY THE ENGINEER.
  13. DO NOT PLACE FIBER VAULTS IN THE BOTTOM OF DRAINAGE COLLECTION AREAS.
  14. ALL TRENCHING AND EXCAVATION SHALL COMPLY WITH COV STANDARD SPECIFICATIONS, AND OSHA SAFETY STANDARDS AND REGULATIONS.

**1**  
**C-405**  
**TYPE I 4'X4' FIBER OPTIC VAULT**  
 NTS



**2**  
**C-405**  
**FIBER OPTIC HANDHOLE VAULT**  
 NTS

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VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
**DETAILS**  
 VALDEZ, ALASKA

PROJECT 63461.01  
 DATE 01/16/2026

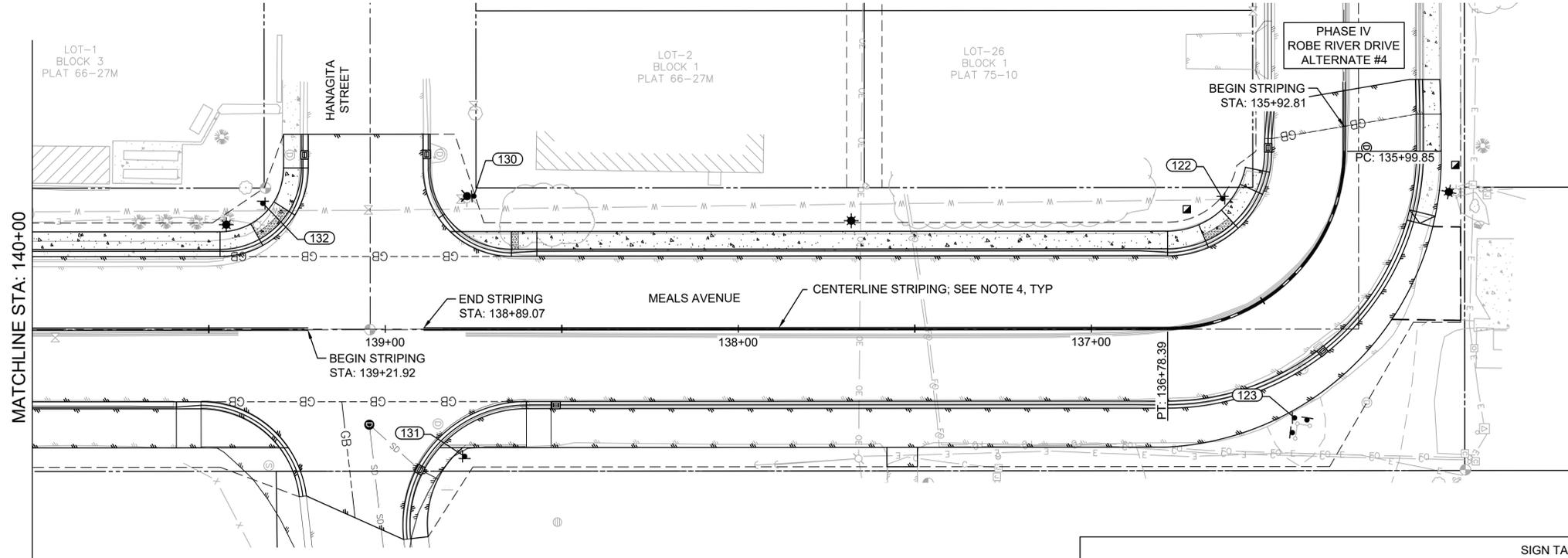
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**C-405**

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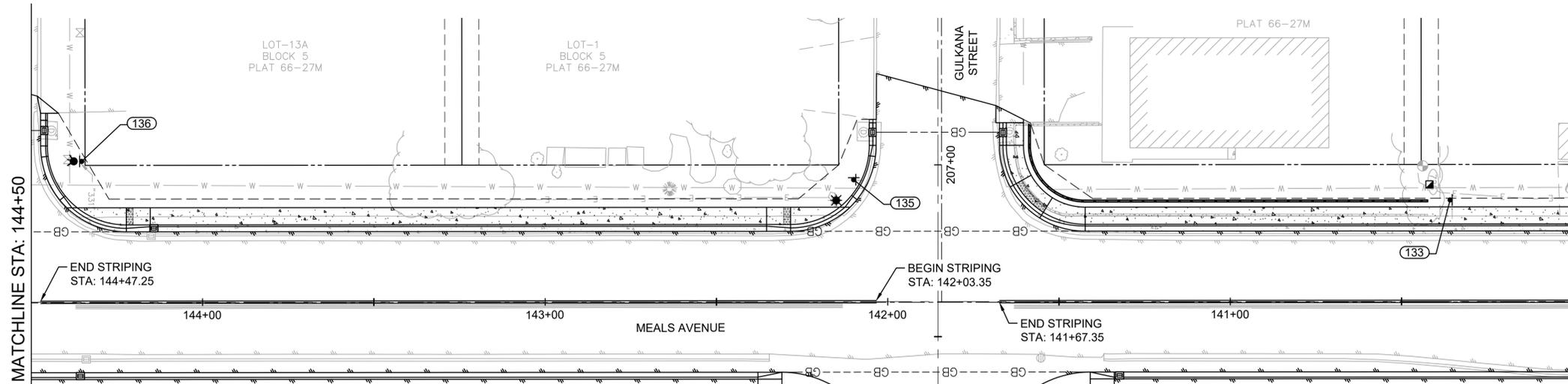
GENERAL NOTES

- (206) SIGN POST
- 1. HYDRANT SIGNS ARE TO BE FURNISHED BY CITY OF VALDEZ. SEE COV DETAIL 70-32 FOR INSTALLATION.
- 2. SEE COV DETAIL 70-31 FOR SIGN POST CONCRETE FOUNDATION INSTALLATION.
- 3. ALL SIGNS ARE TO BE INSTALLED AT A HEIGHT OF 7-FT CLEAR SPACE MINIMUM AND 2-FT CLEAR FROM FACE OF CURB. SEE COV DETAILS 70-22 THROUGH 70-27.
- 4. CENTERLINE STRIPING TO BE TWO LINES OF 4-IN SOLID YELLOW CENTERED ALONG THE ROAD ALIGNMENT CENTERLINE. OFFSET 2-IN EACH SIDE. SEE COV SPECIFICATIONS FOR APPLICATION AND TOLERANCES.
- 5. "CUSTOM" SIGN TYPES SHALL BE REPLACED TO MATCH EXISTING.
- 6. STREET SIGNS NOTED WITH (X2) ARE TO BE TWO SEPARATE STREET NAME PANELS WITH A STABILIZER BETWEEN THEM. SEE DETAIL 1/C-504.

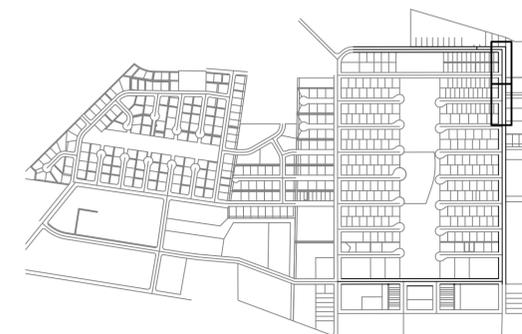
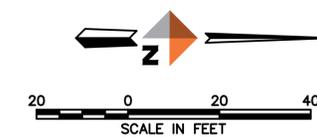


SIGN TABLE									
POST NO.	ALIGNMENT	STATION	OFFSET	TYPE	SIZE (IN)	AREA (SF)	FACES	POST	DESCRIPTION
130	RR-ML	138+74.88	37.50 R	CUSTOM	12"x18"	1.5	S	2"x2" PST	HYDRANT "344"; NOTE 1
131	RR-ML	138+77.54	36.00 L	R1-1	30"x30"	6.25	E	2"x2" PST	"STOP"
132	RR-ML	139+34.63	35.50 R	D3-1	30"x8"	3.3	N/S	2.5"x2.5" PST	"HANAGITA ST" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"

SIGN TABLE									
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122	RR-ML	136+35.16	29.50 R	D3-1	42"x8"	4.7	N/S	2.5"x2.5" PST	"ROBE RIVER DR" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
123	RR-ML	136+56.12	33.40 L	W1-6R	60"x30"	12.5	W	3 - 2.5"x2.5" PST	DIRECTION ARROW RIGHT
				W1-6L	60"x30"	12.5	S		DIRECTION ARROW LEFT
				EM-1A	24"x24"	4	S		"TSUNAMI EVACUATION ROUTE"
				D9-301	24"x6"	1	S		BLUE LEFT ARROW



SIGN TABLE									
POST NO.	ALIGNMENT	STATION	OFFSET	TYPE	SIZE (IN)	AREA (SF)	FACES	POST	DESCRIPTION
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134	RR-ML	141+62.05	36.00 L	R1-1	30"x30"	6.25	E	2"x2" PST	"STOP"
				D3-1	30"x8"	3.3	N/S		"GULKANA ST" (X2); NOTE 6
135	RR-ML	142+09.89	35.50 R	D3-1	30"x8"	3.3	E/W	2.5"x2.5" PST	"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
136	RR-ML	144+35.24	41.00 R	CUSTOM	12"x18"	1.5	S	2"x2" PST	HYDRANT "331"; NOTE 1



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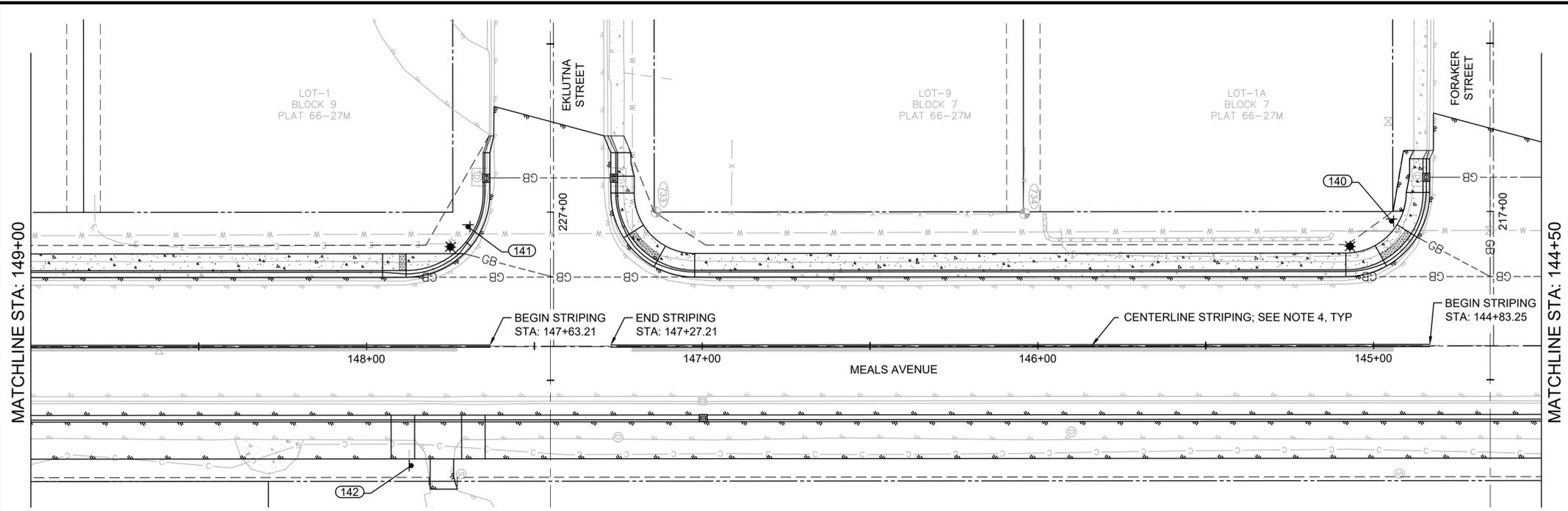
VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
 SIGNING AND STRIPING

PROJECT 63461.01  
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**GENERAL NOTES**

- (206) SIGN POST
- 1. HYDRANT SIGNS ARE TO BE FURNISHED BY CITY OF VALDEZ. SEE COV DETAIL 70-32 FOR INSTALLATION.
- 2. SEE COV DETAIL 70-31 FOR SIGN POST CONCRETE FOUNDATION INSTALLATION.
- 3. ALL SIGNS ARE TO BE INSTALLED AT A HEIGHT OF 7-FT CLEAR SPACE MINIMUM AND 2-FT CLEAR FROM FACE OF CURB. SEE COV DETAILS 70-22 THROUGH 70-27.
- 4. CENTERLINE STRIPING TO BE TWO LINES OF 4-IN SOLID YELLOW CENTERED ALONG THE ROAD ALIGNMENT CENTERLINE. OFFSET 2-IN EACH SIDE. SEE COV SPECIFICATIONS FOR APPLICATION AND TOLERANCES.
- 5. "CUSTOM" SIGN TYPES SHALL BE REPLACED TO MATCH EXISTING.
- 6. STREET SIGNS NOTED WITH (X2) ARE TO BE TWO SEPARATE STREET NAME PANELS WITH A STABILIZER BETWEEN THEM. SEE DETAIL 1/C-504.

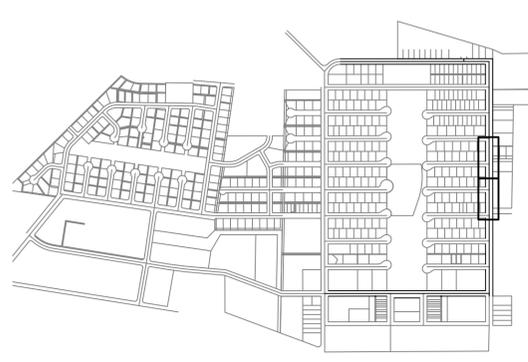
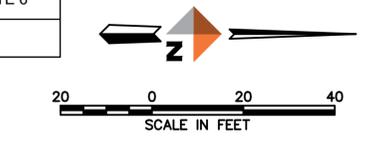
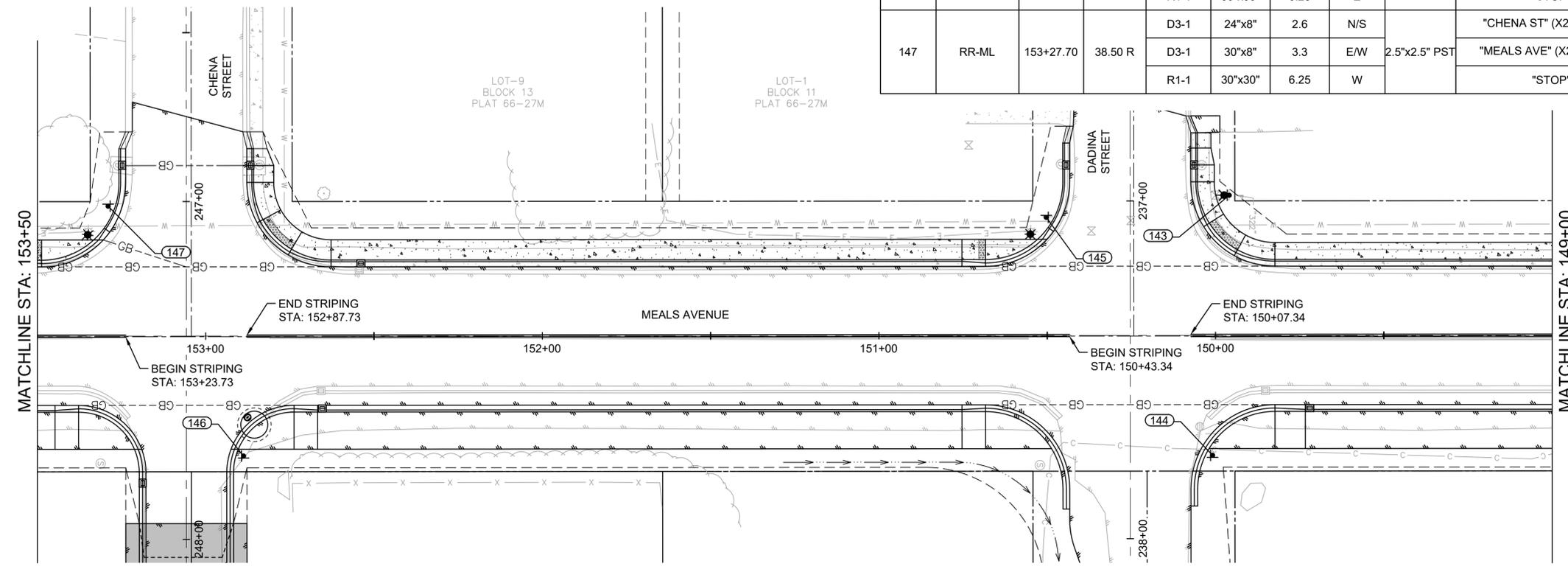
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SIGN TABLE									
POST NO.	ALIGNMENT	STATION	OFFSET	TYPE	SIZE (IN)	AREA (SF)	FACES	POST	DESCRIPTION
140	RR-ML	144+94.62	37.00 R	D3-1	30"x8"	3.3	N/S	2.5"x2.5" PST	"FORAKER ST" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
141	RR-ML	147+69.73	35.50 R	D3-1	30"x8"	3.3	N/S	2.5"x2.5" PST	"EKLUTNA ST" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
142	RR-ML	147+86.72	35.50 L	D9-X	24"x12"	2	S	2"x2" PST	"ASSEMBLY OF GOD CHURCH" ARROW LEFT

SIGN TABLE									
POST NO.	ALIGNMENT	STATION	OFFSET	TYPE	SIZE (IN)	AREA (SF)	FACES	POST	DESCRIPTION
143	RR-ML	149+95.40	41.50 R	CUSTOM	12"x18"	1.5	S	2"x2" PST	HYDRANT "322"; NOTE 1
144	RR-ML	149+98.42	35.50 L	D3-1	36"x8"	4	N/S	2.5"x2.5" PST	"E DADINA ST" (X2); NOTE 6
				R1-1	30"x30"	6.25	E		"STOP"
				EM-IA	24"x24"	4	S		"TSUNAMI EVACUATION ROUTE"
145	RR-ML	150+49.77	35.00 R	D3-1	30"x8"	3.3	N/S	2.5"x2.5" PST	"DADINA ST" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
146	RR-ML	152+84.53	35.50 L	D3-1	30"x8"	3.3	N/S	2"x2" PST	"E CHENA ST" (X2); NOTE 6
				R1-1	30"x30"	6.25	E		"STOP"
				D3-1	24"x8"	2.6	N/S		"CHENA ST" (X2); NOTE 6
147	RR-ML	153+27.70	38.50 R	D3-1	30"x8"	3.3	E/W	2.5"x2.5" PST	"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6



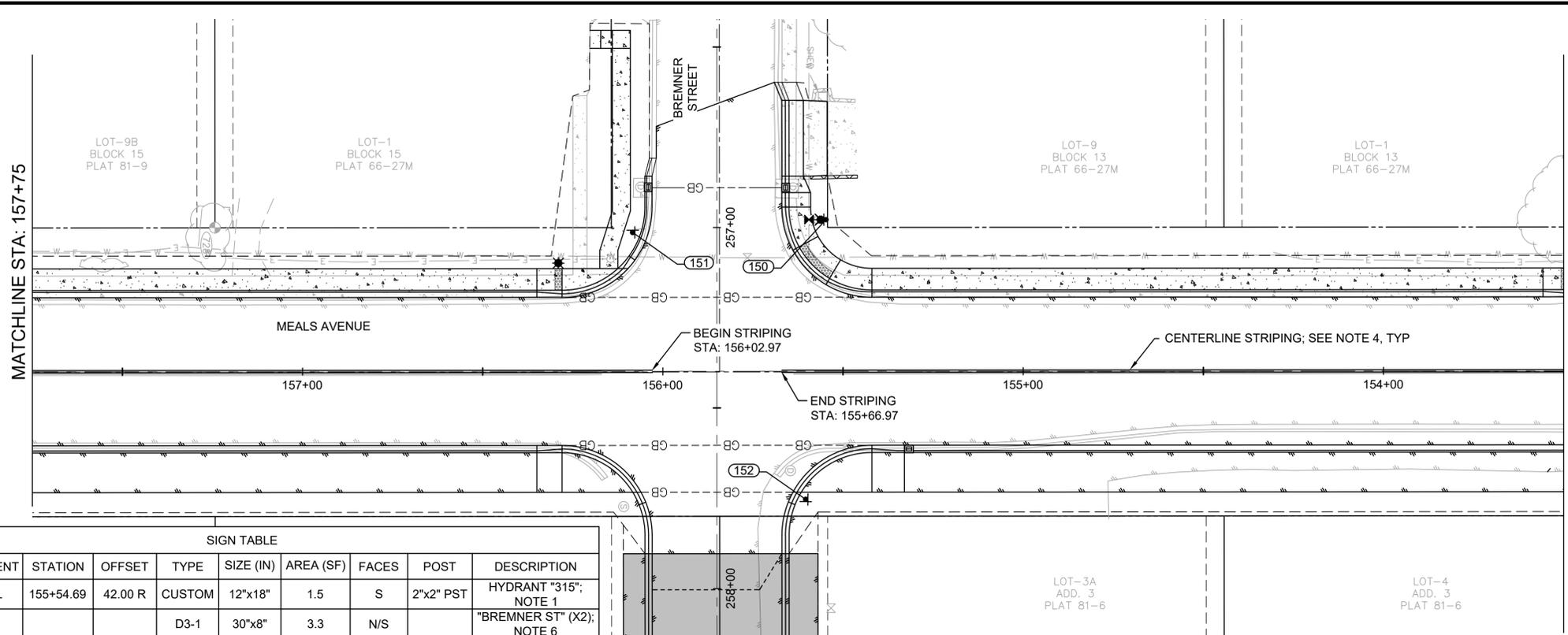
**VALDEZ PAVEMENT REHABILITATION  
 PHASE IV-MEALS AVENUE  
 SIGNING AND STRIPING**

PROJECT 63461.01  
 DATE 01/16/2026

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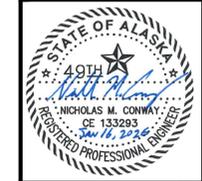
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**GENERAL NOTES**

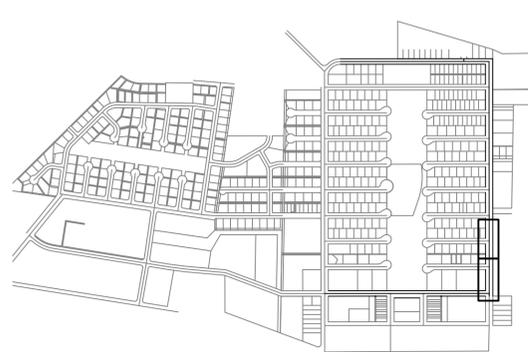
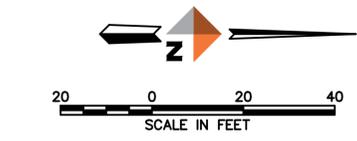
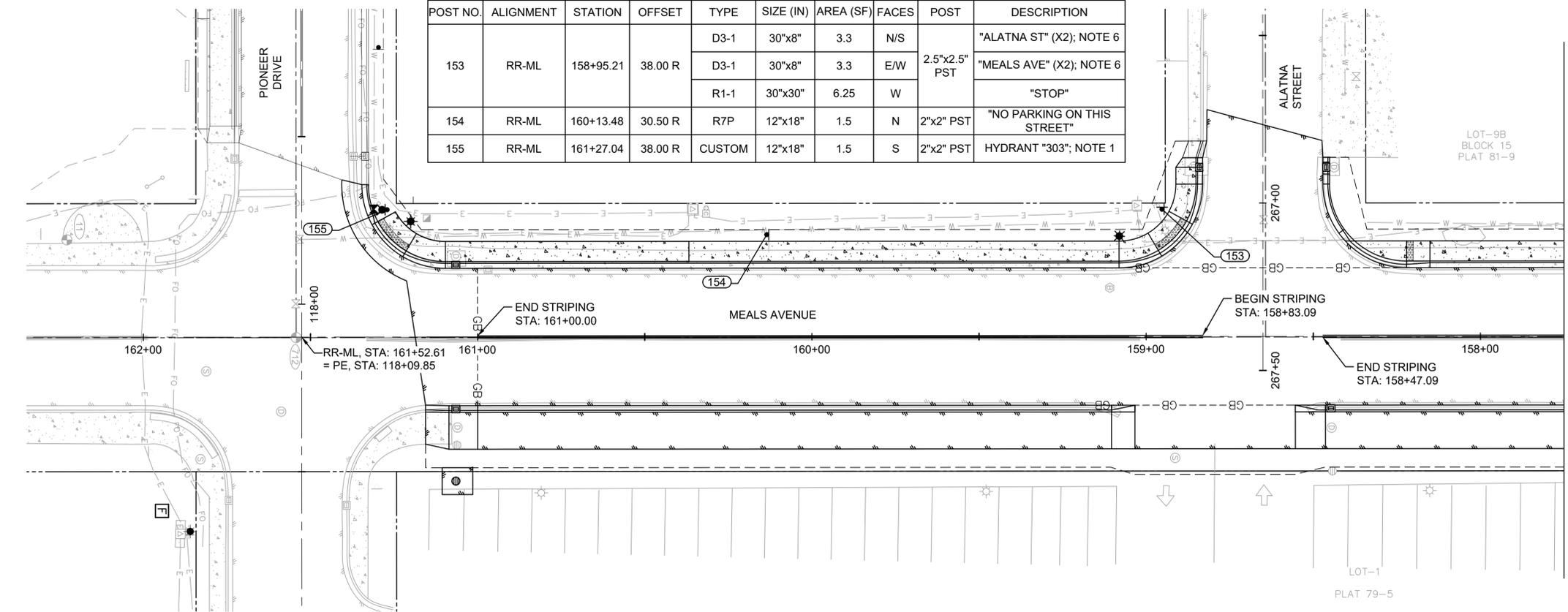
- (206) SIGN POST
- 1. HYDRANT SIGNS ARE TO BE FURNISHED BY CITY OF VALDEZ. SEE COV DETAIL 70-32 FOR INSTALLATION.
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REV	DATE	DESCRIPTION



SIGN TABLE									
POST NO.	ALIGNMENT	STATION	OFFSET	TYPE	SIZE (IN)	AREA (SF)	FACES	POST	DESCRIPTION
150	RR-ML	155+54.69	42.00 R	CUSTOM	12"x18"	1.5	S	2"x2" PST	HYDRANT "315"; NOTE 1
151	RR-ML	156+08.36	38.50 R	D3-1	30"x8"	3.3	N/S	2.5"x2.5" PST	"BREMNER ST" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
152	RR-ML	155+60.38	35.50 L	D3-1	36"x8"	4	N/S	2.5"x2.5" PST	"E BREMNER ST" (X2); NOTE 6
				R1-1	30"x30"	6.25	E		"STOP"

SIGN TABLE									
POST NO.	ALIGNMENT	STATION	OFFSET	TYPE	SIZE (IN)	AREA (SF)	FACES	POST	DESCRIPTION
153	RR-ML	158+95.21	38.00 R	D3-1	30"x8"	3.3	N/S	2.5"x2.5" PST	"ALATNA ST" (X2); NOTE 6
				D3-1	30"x8"	3.3	E/W		"MEALS AVE" (X2); NOTE 6
				R1-1	30"x30"	6.25	W		"STOP"
154	RR-ML	160+13.48	30.50 R	R7P	12"x18"	1.5	N	2"x2" PST	"NO PARKING ON THIS STREET"
155	RR-ML	161+27.04	38.00 R	CUSTOM	12"x18"	1.5	S	2"x2" PST	HYDRANT "303"; NOTE 1



**VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
SIGNING AND STRIPING**

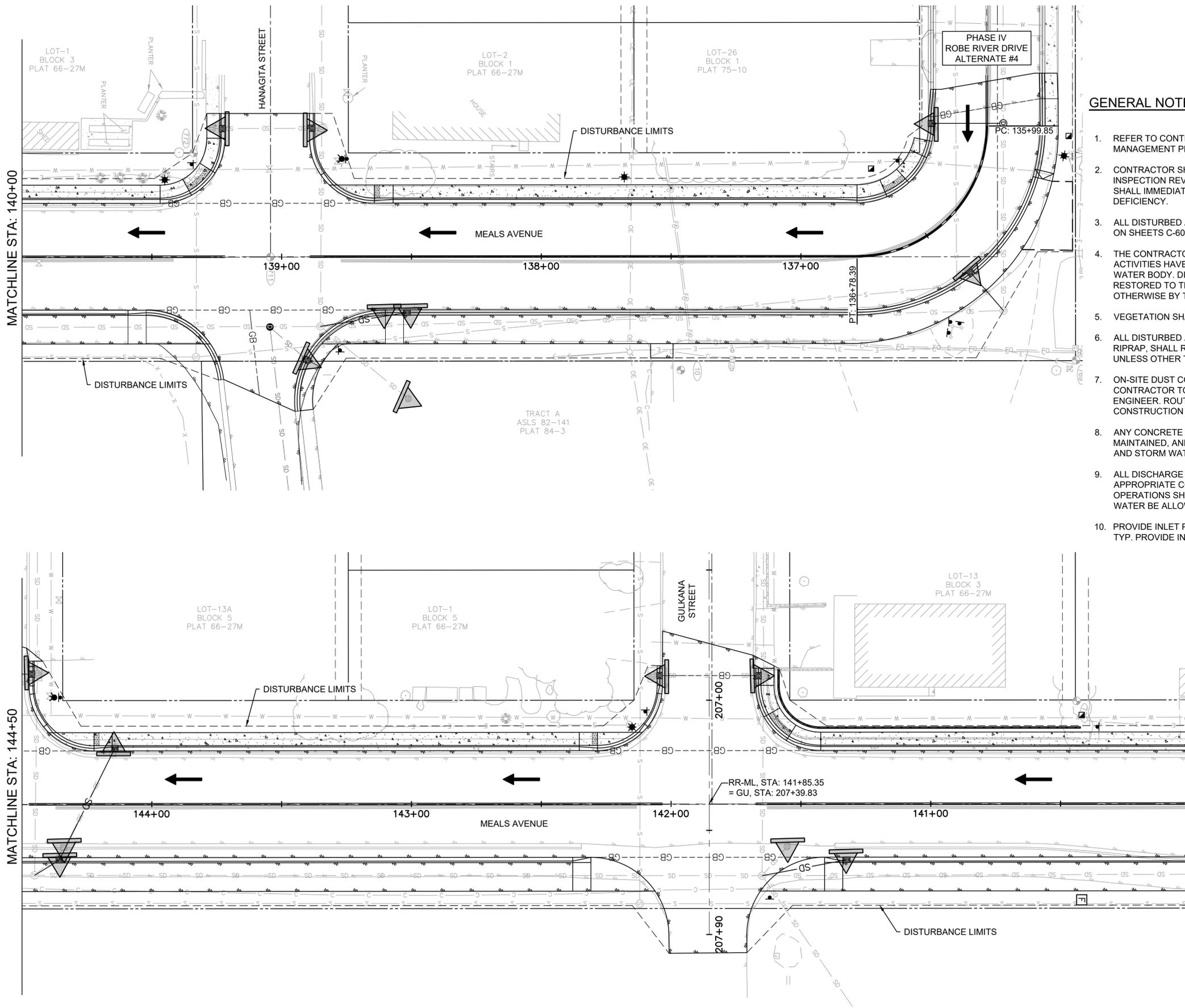
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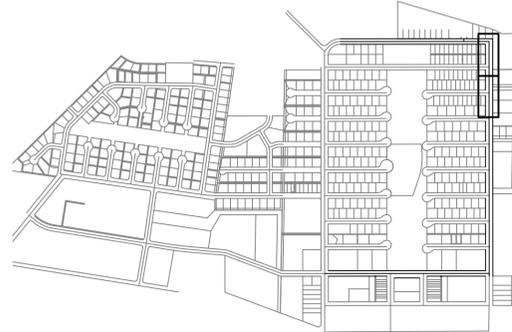
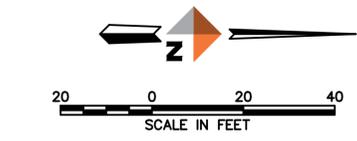


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**GENERAL NOTES**

- REFER TO CONTRACTOR SWPPP REPORT FOR EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs).
- CONTRACTOR SHALL UTILIZE BMPs MOST APPROPRIATE FOR CONDITIONS ON-SITE. IF INSPECTION REVEALS EROSION CONTROL MEASURES ARE INSUFFICIENT, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT CORRECTIVE ACTION, AS NECESSARY, TO CORRECT THE DEFICIENCY.
- ALL DISTURBED AREAS FOR THIS PROJECT ARE LOCATED AMID THE PROPOSED WORK SHOWN ON SHEETS C-601 THROUGH C-604.
- THE CONTRACTOR SHALL USE CONTROL MEASURES TO ENSURE THAT CONSTRUCTION ACTIVITIES HAVE MINIMAL IMPACTS ON THE NATURAL BUFFER AREAS OF THE RECEIVING WATER BODY. DISTURBED AREAS ADJACENT TO DRAINAGE OR IN-WATER WORK SHALL BE RESTORED TO THEIR FUNCTIONAL CAPACITY OR PLANNED DESIGN, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- VEGETATION SHALL REMAIN UNDISTURBED TO THE FULLEST EXTENT POSSIBLE.
- ALL DISTURBED AREAS NOT RECEIVING HMA PAVEMENT, PORTLAND CEMENT CONCRETE, OR RIPRAP, SHALL RECEIVE HYDROSEED WITH MULCH AS A FINAL STABILIZATION MEASURE, UNLESS OTHER TREATMENTS ARE REQUIRED BY PERMIT CONDITIONS.
- ON-SITE DUST CONTROL, INCLUDING WATERING AND SWEEPING, SHALL BE PROVIDED BY THE CONTRACTOR TO MINIMIZE AIR-BORNE DUST WHEN NECESSARY OR DIRECTED BY THE ENGINEER. ROUTINE SWEEPING MAY BE PERFORMED IN LIEU OF UTILIZING A STABILIZED CONSTRUCTION EXIT UNLESS CONDITIONS NECESSITATE A MUD MAT.
- ANY CONCRETE WASHOUT AREAS UTILIZED BY THE CONTRACTOR SHALL BE DESIGNATED, MAINTAINED, AND LOCATED, TO THE EXTENT PRACTICABLE, AWAY FROM WATER OF THE U.S. AND STORM WATER CONVEYANCE CHANNELS.
- ALL DISCHARGE FROM EXCAVATION DEWATERING ACTIVITIES WILL BE TREATED WITH THE APPROPRIATE CONTROL MEASURES, UNTREATED WATER FROM CONSTRUCTION DEWATERING OPERATIONS SHALL NOT BE DISCHARGED TO ANY RECEIVING WATERS NOR SHALL UNTREATED WATER BE ALLOWED TO RUN OFF-SITE, UNLESS THE WATER IS NON-DISCHARGED.
- PROVIDE INLET PROTECTION FOR EXISTING CATCH BASINS UNTIL STRUCTURE IS REMOVED, TYP. PROVIDE INLET PROTECTION FOR PROPOSED CATCH BASINS ONCE INSTALLED.



**KEY MAP**  
SCALE 1"=1000'

REV	DATE	DESCRIPTION



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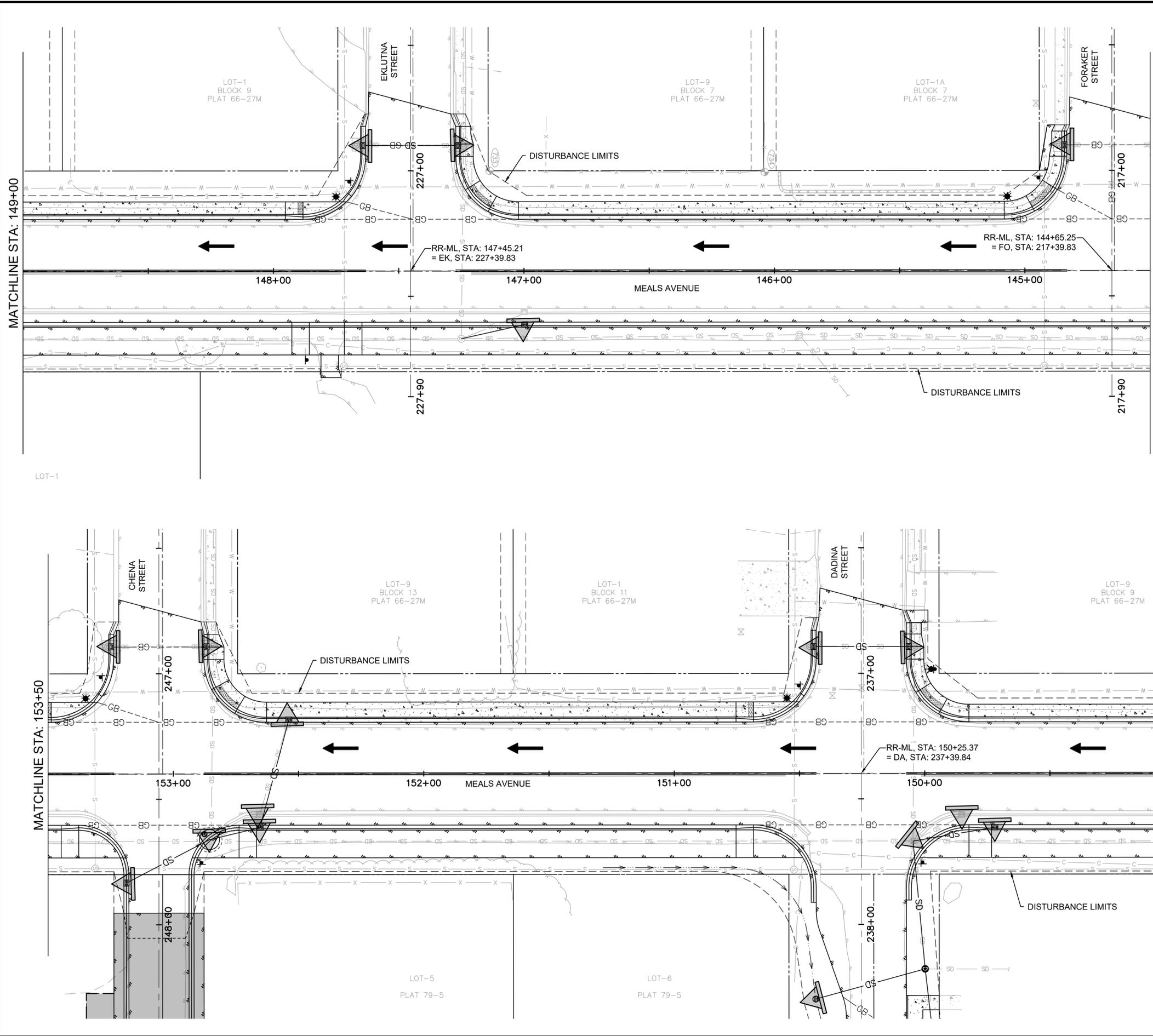
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
EROSION AND SEDIMENT CONTROL PLAN

PROJECT 63461.01  
DATE 01/16/2026

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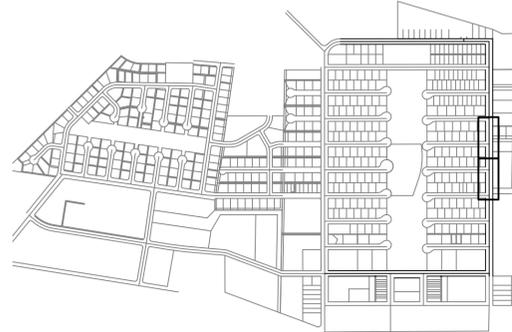
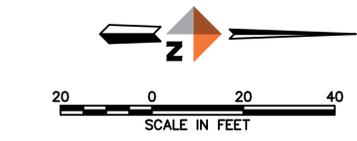
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**ESCP LEGEND**

DESCRIPTION	SYMBOL
INLET PROTECTION	
STORM WATER FLOW	
SEDIMENT BARRIER	



**KEY MAP**  
SCALE 1"=1000'

REV	DATE	DESCRIPTION



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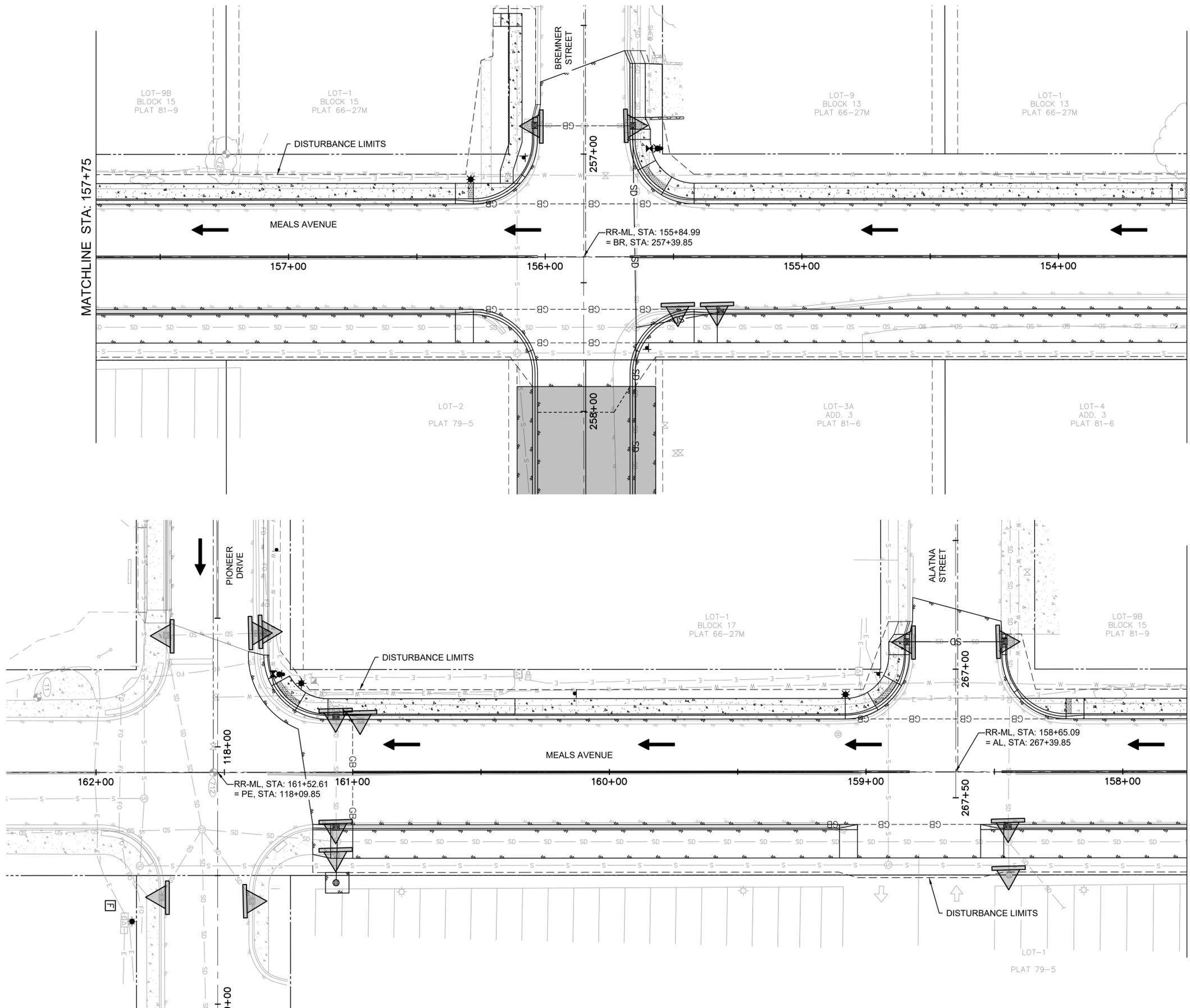
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EROSION AND SEDIMENT CONTROL PLAN

PROJECT 63461.01  
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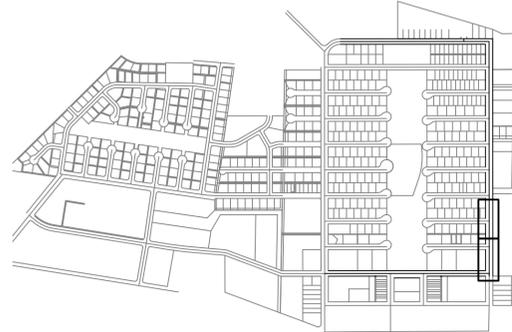
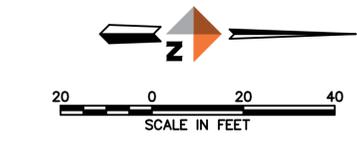
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**ESCP LEGEND**

DESCRIPTION	SYMBOL
INLET PROTECTION	
STORM WATER FLOW	
SEDIMENT BARRIER	



**KEY MAP**  
SCALE 1"=1000'

REV	DATE	DESCRIPTION



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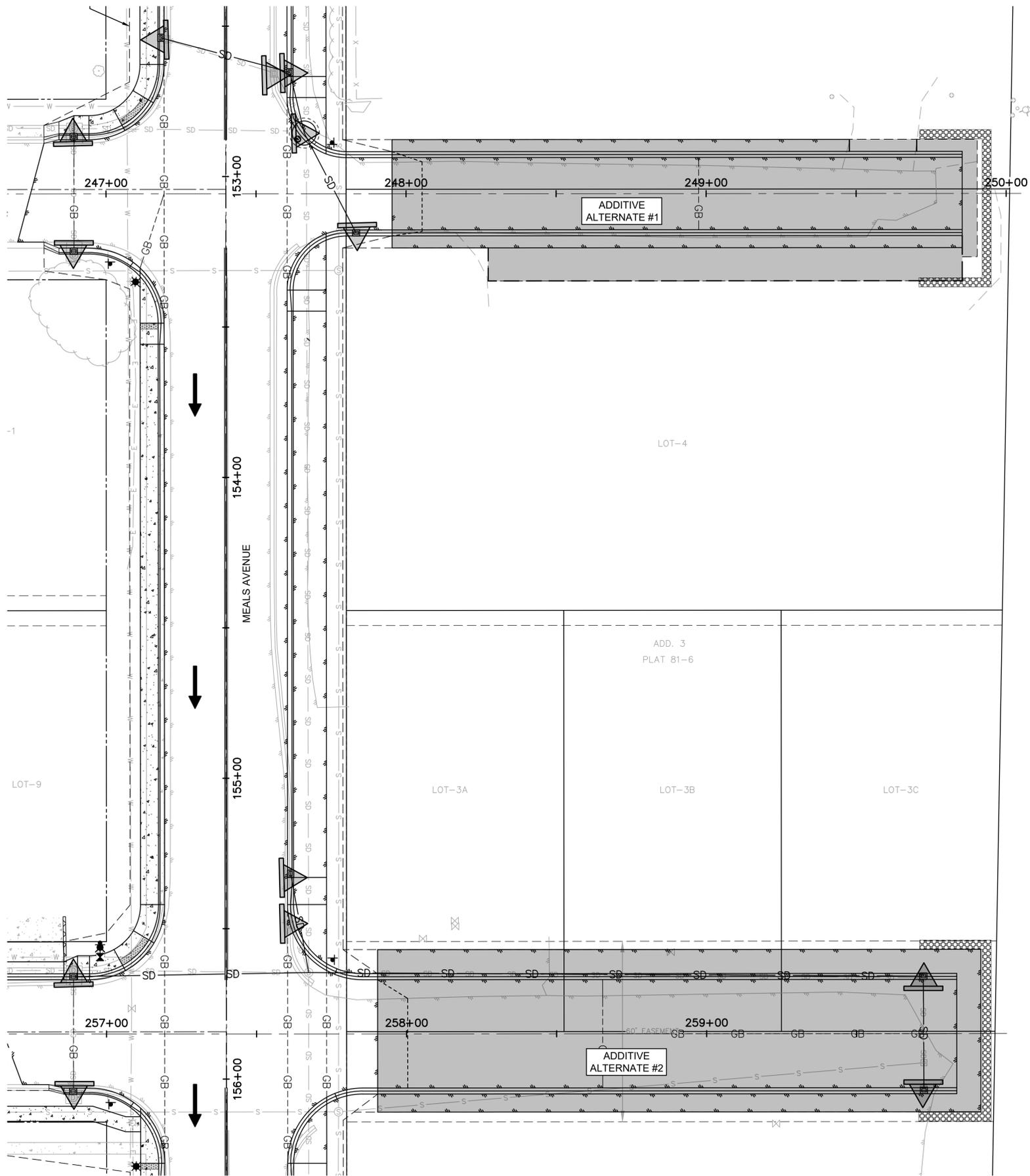
VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
**EROSION AND SEDIMENT CONTROL PLAN**

PROJECT 63461.01  
DATE 01/16/2026

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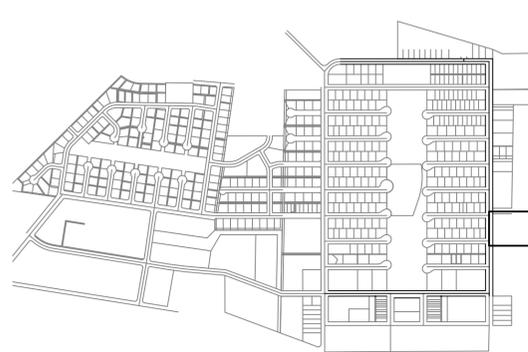
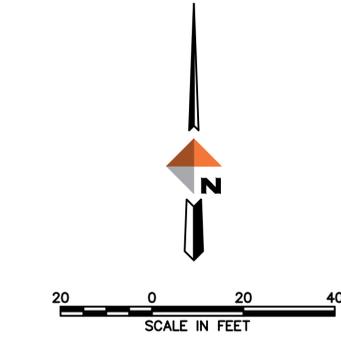
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**ESCP LEGEND**

DESCRIPTION	SYMBOL
INLET PROTECTION	
STORM WATER FLOW	
SEDIMENT BARRIER	



**KEY MAP**  
SCALE 1"=1000'

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**VALDEZ PAVEMENT REHABILITATION  
PHASE IV-MEALS AVENUE  
EROSION AND SEDIMENT  
CONTROL PLAN - ADD ALT #1 & #2**

PROJECT 63461.01  
DATE 01/16/2026

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**C-604**

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LEGEND	
	POLE MOUNTED AREA LIGHT - OUTDOORS, WEATHERPROOF
	FIXTURE TAG (LETTER INDICATES TYPE)
	SINGLE POLE SWITCH
	PHOTOCELL
	CONDUIT, CONCEALED
	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)
	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)
	OVERHEAD ELECTRICAL LINE
	UNDERGROUND ELECTRICAL LINE
	ADD ALT #5 UNDERGROUND FIBER OPTIC LINE (CONDUIT ONLY)
	PANEL
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
	JUNCTION BOX
	PADMOUNT UTILITY TRANSFORMER
	IN GRADE EXTERIOR JUNCTION BOX - TYPE 1A UON
	ADD ALT #5 IN GRADE EXTERIOR FIBER OPTIC HANDHOLE
	ADD ALT #5 IN GRADE EXTERIOR FIBER OPTIC VAULT
	DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
	NOTE TAG (No. INDICATES NOTE)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CO	CONDUIT ONLY
E	DENOTES EXISTING ITEM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRSC	GALVANIZED RIGID STEEL CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE CONDUIT (ADDITIVE ALTERNATE #3)
K	KELVIN
L#	LIGHT POLE NUMBER (IE L1)
LED	LIGHT EMITTING DIODE
LM	LUMENS
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
R	DENOTES EXISTING ITEM THAT HAS BEEN RELOCATED
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF

LIGHT FIXTURE SCHEDULE							
TYPE	LOCATION	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	LUMINAIRE DESCRIPTION	MOUNTING			TOTAL INPUT WATTS
				TYPE	HEIGHT	LAMPS	
A1	AS SHOWN	CREE - QUANTITY (1) STR-LWY-2M-HT-04-E-UL-SV-525-40K-XA-XSLBLS60	LED STREET LIGHT, ALUMINUM HOUSING, TYPE 2 MEDIUM DISTRIBUTION, 40 LED, BACKLIGHT SHIELD, AND SILVER COLOR. MOUNT ON 25' POLE WITH 6' MAST ARM.	POLE/MAST ARM	27'-6" AFG	6000LM 4000K	120/240/277V 66
A2	AS SHOWN	CREE - QUANTITY (2) STR-LWY-2M-HT-04-E-UL-SV-525-40K-XA-XSLBLS60	SAME AS TYPE A1 EXCEPT TWO FIXTURES MOUNTED ON ONE POLE.	POLE/MAST ARM	27'-6" AFG	6000LM 4000K EACH	120/240/277V 66 EACH

Voltage Drop Calculation		RSA Engineering, Inc.
Job Name:	Valdez Pavement Management Phase IV	
Job Number:	M2078	
Feeder/Circuit From:	Panel 'ML'	
Feeder/Circuit To:	Furthest Light Pole (Future L1 on Robe River)	
Date:	1/16/2026	

Circuit Description		
Circuit Length(1-WAY):	3700 ft.	Includes loops in JB's
Load Current:	5,225 amps	
Voltage:	240 volts	

Circuit Type	
2	1. 1 phase, 2 wire (120V or 277V) 2. 1 phase, 3 wire line to line (208V or 480V, 1 ph) 3. 1 phase, 3 wire line to neutral 4. 3 phase, 3 or 4 wire line to lin (208V or 480V, 3ph) 5. 3 phase, 3 or 4 wire line to neutral

Power Factor	
1	1. 100%      4. 70% 2. 90%        5. 60% 3. 80%

Conductor Size		
#	4	AWG
Conductor Type		
1	Copper	
2	Aluminum	
Conduit Type		
2	Non-Magnetic	
1	Magnetic	
2	Non-Magnetic	
Number of Parallel Runs		
1	Set	
Total Voltage Drop		11.97 Volts
Voltage Drop Percentage		4.99 %

LIGHT POLE SCHEDULE						
POLE #	ALGN	STATION	OFFSET	SIDE	CIRCUIT	
L6	RR-ML	136+07.00	30.50	L	ML-1,3	
L7	RR-ML	137+68.00	30.50	R	ML-1,3	
L8	RR-ML	139+45.00	29.50	R	ML-1,3	
L9	RR-ML	142+15.00	29.50	R	ML-1,3	
L10	RR-ML	145+07.00	29.50	R	ML-1,3	
L11	RR-ML	147+75.00	29.50	R	ML-1,3	
L12	RR-ML	150+55.00	30.00	R	ML-1,3	
L13	RR-ML	153+35.00	30.00	R	ML-1,3	
L14	RR-ML	156+29.00	30.00	R	ML-1,3	
L15	RR-ML	159+08.00	30.00	R	ML-1,3	
L26	RR-ML	161+86.00	58.00	L	EXIST	

EXISTING LOADCENTER PANEL 'ML'													
LIGHTING LOADCENTER				VOLTS: 120/240V, 1PH, 3W				ENCLOSURE: NEMA 3R					
TYPE: PANELBOARD				VOLT-AMPS				MTG: SURFACE					
NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	A	B	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
a	1	2	20	MEALS LTG L6-L15	LTG	363	462	LTG	(E)MEALS/PION. LTG L16-L25	20	2	2	b
a	3	2	20	AA	LTG		363	462	AA	20	2	4	b
	5	2	20	SPARE					SPARE	20	2	6	
	7	2	20	AA					AA		2	8	
	9	1	-	SPACE					SPACE	-	1	10	
	11	1	-	SPACE					SPACE	-	1	12	
TOTAL V-A						825	825	1,650 VA					
TOTAL AMPS						7	7	7 A					
A.I.C. RATING: 10,000													
TOTAL CONNECTED LOAD IN KVA:						1.65	0.00	0.00	0.00	0.00	TOTAL		AMPS
DEMAND LOAD IN KVA:						2.06	0.00	0.00	0.00	0.00	1.7 KVA		7 A
											2.1 KVA		9 A
PANEL NOTES:								PANEL OPTIONS:					
a DENOTES A NEW LOAD ON EXISTING SPARE BREAKER.								MAIN LUGS ONLY					
b DENOTES EXISTING LOADS/BREAKER TO REMAIN.													

REV	DATE	DESCRIPTION
1	5/16/25	RFI #001 ADDITIONAL LIGHT POLE



**RSA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Frenwick Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AEC042

VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL LEGEND, SCHEDULES AND CALCULATIONS**  
VALDEZ, ALASKA

RSA PROJECT M2078  
DATE 01/16/2026

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E-001

# ELECTRICAL SPECIFICATIONS

## 26\_05\_00 - COMMON WORK RESULTS FOR ELECTRICAL

- A. SCOPE OF WORK: FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT FOR A COMPLETE AND WORKABLE ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.
- B. STANDARDS, CODES AND REGULATIONS: COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, AND THE CITY OF VALDEZ STANDARD SPECIFICATIONS (CVSS), INCLUDING ALL STATE AND LOCAL AMENDMENTS. COMPLY WITH THE LATEST PUBLISHED VERSION OF THE NECA STANDARD OF INSTALLATION. IN THE ABSENCE OF CVSS PERTAINING TO STREET LIGHTING SYSTEMS, REFERENCES TO MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) HAVE BEEN ADDED TO THESE SPECIFICATIONS AND DRAWINGS TO ASSIST WITH SPECIFIC CRITERIA. A COPY OF THE MASS CAN BE FOUND ONLINE AT MUNI.ORG.
- C. DRAWINGS: THE DRAWINGS ARE DIAGRAMMATIC, NOT NECESSARILY SHOWING ALL OFFSETS OR EXACT LOCATIONS OF FIXTURES, EQUIPMENT, ETC. UNLESS SPECIFICALLY DIMENSIONED. BRING QUESTIONABLE OR OBSCURE ITEMS, APPARENT CONFLICTS BETWEEN PLANS AND SPECIFICATIONS, GOVERNING CODES OR UTILITIES REGULATIONS TO THE ATTENTION OF THE ENGINEER. CODES, ORDINANCES, REGULATIONS, MANUFACTURER'S INSTRUCTIONS OR STANDARDS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS.
- D. RECORD DRAWINGS: MARK UP A CLEAN SET OF DRAWINGS AS THE WORK PROGRESSES TO SHOW THE DIMENSIONED LOCATION AND ROUTING OF ALL ELECTRICAL WORK WHICH WILL BECOME PERMANENTLY CONCEALED. SHOW COMPLETE ROUTING AND SIZING OF ANY SIGNIFICANT REVISIONS TO THE SYSTEMS SHOWN.
- E. WORKMANSHIP: INSTALLATION OF ALL WORK SHALL BE MADE SO THAT ITS SEVERAL COMPONENT PARTS SHALL FUNCTION AS A WORKABLE SYSTEM COMPLETE WITH ALL ACCESSORIES NECESSARY FOR ITS OPERATION. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS AND/OR INSTALLATION DRAWINGS AND IN ACCORDANCE WITH NECA STANDARDS. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM WITH APPLICABLE INDUSTRY STANDARDS, NEMA STANDARDS AND UNDERWRITERS LABORATORIES STANDARDS WHERE APPLICABLE.
- F. SUBMITTALS: PROVIDE MATERIAL AND EQUIPMENT SUBMITTALS CONTAINING A COMPLETE LISTING OF MATERIAL AND EQUIPMENT SHOWN ON THE DRAWINGS. INCLUDE CATALOG NUMBERS, WIRING DIAGRAMS, ROUGH-IN DIMENSIONS AND PERFORMANCE DATA FOR ALL MATERIAL AND EQUIPMENT. SUBMITTALS SHALL BE IN ELECTRONIC .PDF FORMAT, SEPARATE FROM WORK FURNISHED UNDER OTHER DIVISIONS. INDEX AND CLEARLY IDENTIFY ALL MATERIAL AND EQUIPMENT BY ITEM, NAME OR DESIGNATION USED ON THE DRAWINGS. SUBMITTAL REVIEW IS FOR GENERAL DESIGN AND ARRANGEMENT ONLY AND DOES NOT RELIEVE THE CONTRACTOR FROM ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE SUBMITTALS ARE NOT CHECKED FOR QUANTITY, DIMENSION, OR FOR PROPER OPERATION. WHERE DEVIATIONS OF A SUBSTITUTE PRODUCT OR SYSTEM PERFORMANCE HAVE NOT BEEN SPECIFICALLY NOTED IN THE SUBMITTAL BY THE CONTRACTOR, PROVISIONS OF A COMPLETE AND SATISFACTORY WORKING INSTALLATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- G. OPERATION AND MAINTENANCE MANUALS: PROVIDE OPERATION AND MAINTENANCE MANUALS FOR TRAINING OF THE OWNER'S PERSONNEL. DESCRIBE THE PROCEDURES NECESSARY TO OPERATE THE SYSTEM INCLUDING START-UP, OPERATION, EMERGENCY OPERATION AND SHUTDOWN. PROVIDE INSTRUCTIONS AND A SCHEDULE OF PREVENTIVE MAINTENANCE IN TABULAR FORM FOR ALL ROUTINE CLEANING, INSPECTION AND LUBRICATION WITH RECOMMENDED LUBRICANTS. PROVIDE INSTRUCTIONS FOR MINOR REPAIR OR ADJUSTMENTS REQUIRED FOR PREVENTIVE MAINTENANCE ROUTINES. PROVIDE MANUFACTURER'S DESCRIPTIVE LITERATURE INCLUDING APPROVED SHOP DRAWINGS COVERING DEVICES USED IN ANY CONTRACTOR-PROVIDED EQUIPMENT OR SYSTEMS WITH ILLUSTRATION, EXPLODED VIEWS, ETC.
- H. WARRANTY: THE CONTRACTOR SHALL GUARANTEE ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM BENEFICIAL OCCUPANCY. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD.
- I. PERMITS: SECURE AND PAY FOR ALL FEES, PERMITS, ETC. REQUIRED BY LOCAL AND STATE AGENCIES AND ALL LOCAL UTILITY COMPANIES. COSTS FOR THE LINE EXTENSION TO THE METER ARE PAID FOR BY THE OWNER.

## 26\_05\_05 - SELECTIVE DEMOLITION FOR ELECTRICAL

- A. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DRAWINGS. REPORT DISCREPANCIES TO ENGINEER BEFORE DISTURBING THE EXISTING INSTALLATION. DISCONNECT ELECTRICAL SYSTEMS SCHEDULED FOR REMOVAL. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN ALL EXISTING ELECTRICAL SYSTEMS IN SERVICE DURING CONSTRUCTION. DISABLE SYSTEMS ONLY TO MAKE SWITCHOVERS AND CONNECTIONS.
- B. OBTAIN PERMISSION FROM OWNER AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION AND MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
- C. REMOVE, RELOCATE AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY. REMOVE EXPOSED ABANDONED CONDUIT. WHERE ABANDONED CONDUIT ENTERS BELOW GRADE, CUT CONDUIT TO A MINIMUM OF 6" BELOW GRADE, CAP OFF, AND REPAIR SURFACE.
- D. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS AND OTHER ACCESSORIES. REPAIR ADJACENT SURFACES AFTER DEMOLITION. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE.
- E. CONTRACTOR TO FIELD VERIFY ELECTRICAL ITEMS TO BE DEMOLISHED PRIOR TO START OF WORK. DEMOLISH CONDUITS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE SCHEDULED FOR DEMOLITION. WHERE CIRCUITS ARE SHARED WITH EQUIPMENT THAT IS EXISTING TO REMAIN, PROVIDE ALL WORK NECESSARY (INCLUDING EXTENDING AND RE-ROUTING CONDUITS) TO MAINTAIN ACCESS AND PROVIDE ELECTRICAL CONTINUITY TO EXISTING SYSTEMS AND CIRCUITRY

## 26\_05\_19 - WIRE AND CABLE

- B. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- C. MATERIALS:
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE XHHW-2 INSULATION. MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE SHALL BE 12 AWG.
- C. INSTALLATION:
- COLOR CODE WIRES BY LINE OR PHASE. COLOR CODE THE 120/240V CONDUCTORS BLACK, RED, AND WHITE.
  - DO NOT SHARE NEUTRAL CONDUCTORS. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT THAT REQUIRES A NEUTRAL.
  - USE PROPERLY SIZED INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR ALL CONDUCTORS #8 AWG AND SMALLER. TERMINATE #6 AWG AND LARGER CONDUCTORS WITH CRIMP OR COMPRESSION TYPE CONNECTORS INSTALLED WITH TOOL RECOMMENDED BY CONNECTION MANUFACTURER AND INSULATE WITH PROPERLY SIZED 600 VOLT RATED HEAT SHRINK TUBING.
  - INSTALLATION SCHEDULE: BUILDING WIRE IN CONDUIT AT ALL LOCATIONS UNLESS OTHERWISE NOTED.

## 26\_05\_26 - GROUNDING AND BONDING

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR GROUND RODS.
- B. MATERIAL: SOLID GROUND RODS: COPPER-ENCASED STEEL, 3/4 INCH DIAMETER, MINIMUM LENGTH 10 FEET.
- C. INSTALLATION:
- PROVIDE A SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDERS. TERMINATE EACH END ON A GROUNDING LUG, BUS, OR BUSHING.
  - MECHANICAL CONNECTORS: NON-REVERSIBLE CRIMP TYPE LUGS ONLY. USE FACTORY MADE COMPRESSION LUG FOR ALL TERMINATIONS. FOR TELECOMMUNICATION SYSTEMS USE COPPER, COPPER ALLOY, OR TIN-PLATED COPPER, NON-REVERSIBLE LONG BARREL CRIMP TYPE BOLT LUGS WITH TWO BOLT TONGUES FOR 6 AWG OR LARGER CONDUCTORS. CRIMP TYPE ONE HOLE FOR CONDUCTORS SMALLER THAN 6 AWG.
  - BOND TOGETHER SYSTEM NEUTRALS, SERVICE EQUIPMENT ENCLOSURES, EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT, METAL RACEWAY SYSTEMS, GROUNDING CONDUCTOR IN RACEWAYS AND CABLES, RECEPTACLE GROUND CONNECTORS, AND PLUMBING AND FUEL SYSTEMS.

## 26\_05\_29 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. MATERIAL: EQUIPMENT SUPPORT CHANNEL SHALL BE CORROSION RESISTANT STAINLESS STEEL OR FIBERGLASS. HARDWARE SHALL BE CORROSION RESISTANT.
- C. INSTALLATION: EQUIPMENT WEIGHING MORE THAN 50 POUNDS SHALL BE ADEQUATELY ANCHORED TO RESIST LATERAL EARTHQUAKE FORCES.

## 26\_05\_33 - RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

- A. SUBMITTALS: SUBMIT PRODUCT DATA FOR APPROVAL.
- B. MATERIALS:
- RIGID STEEL CONDUIT: ANSI C80.1, GALVANIZED RIGID STEEL CONDUIT (GRSC). FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; THREADED TYPE WITH INSULATED THROAT BUSHINGS, MATERIAL TO MATCH CONDUIT. PROVIDE PVC COATED RIGID CONDUIT WHERE EXPOSED OUTDOORS, 40 MIL EXTERIOR COATING AND 2 MIL INTERIOR COATING. CONDUIT FITTINGS SHALL MATCH CONDUIT TYPE (IE PVC COATED RIGID FITTINGS WHERE PVC COATED RIGID IS REQUIRED).
  - ADDITIVE ALTERNATE #3 AND #5 - HIGH DENSITY POLYETHYLENE CONDUIT (HDPE): NEMA TC 7, SCHEDULE 40, HDPE CONDUIT RATED FOR 90°C CABLE. FITTINGS AND CONDUIT BODIES: NEMA TC 7. HDPE TO HDPE COUPLINGS: UL LISTED, BUTT-FUSION, ELECTRO-FUSION, SELF-THREADING, OR DRIVE-ON TYPE. HDPE TO RIGID COUPLINGS: DURALINE #SHUR-LOCK II, OR EQUAL.
  - PROVIDE TYPE 1A CONCRETE JUNCTION BOXES IN-GRADE WHERE SHOWN ON DRAWINGS. TYPE 1A JUNCTION BOX CONSISTING OF REINFORCED CONCRETE RATED FOR A MINIMUM TENSILE LOAD OF 7500 POUNDS DISTRIBUTED OVER A 10"x10" AREA, LIGHT TRAFFIC RATED, CAST-IRON LID WITH "LIGHTING" LABEL, AND STAINLESS STEEL HARDWARE.
  - ADDITIVE ALTERNATE #5 - FIBER OPTIC HANDHOLE: POLYMER CONCRETE BOX AND COVER, JH AMERICAN ENCLOSURES #APC 243624, OR APPROVED EQUAL. SEE CIVIL DRAWINGS FOR DETAILS.
  - ADDITIVE ALTERNATE #5 - FIBER OPTIC VAULT: 48"x48"x48" CONCRETE VAULT WITH MANHOLE LID RATED FOR AASHTO HS-20-44 LOADING. SEE CIVIL DRAWINGS FOR DETAILS.
- C. INSTALLATION:
- INSTALL GALVANIZED RIGID STEEL CONDUIT UNDERGROUND AND ABOVE GRADE WHERE NOTE EXPOSED TO THE ELEMENTS (IE STUBBED UP UNDER EQUIPMENT), UNLESS OTHERWISE NOTED. PROVIDE PVC COATED RIGID STEEL CONDUIT WHERE EXPOSED OUTDOORS.
  - ADDITIVE ALTERNATE #3: SCHEDULE 40 HDPE CONDUIT APPROVED FOR USE IN UNDERGROUND APPLICATIONS ONLY.
  - PROVIDE OUTLET BOXES AS SHOWN ON THE DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS, DEVICE INSTALLATION AND CODE COMPLIANCE.

## 26\_05\_53 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

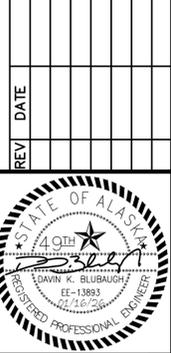
- A. SUBMITTALS: NONE REQUIRED FOR THIS SECTION.
- B. MATERIALS:
- NAMEPLATES: ENGRAVED THREE-LAYER LAMINATED PLASTIC, WHITE LETTERS ON A BLACK BACKGROUND. NAMEPLATES SHALL BE PROVIDED TO IDENTIFY ALL ELECTRICAL DISTRIBUTION AND CONTROL EQUIPMENT AND LOADS SERVED.
  - TAPE LABELS: ADHESIVE TAPE LABELS, WITH 3/16 INCH BOLD BLACK LETTERS ON CLEAR BACKGROUND MADE USING DYMO RHINOPRO 5000 OR EQUAL LABEL PRINTER.
  - WIRE AND CABLE MARKERS: CLOTH MARKERS, SPLIT SLEEVE OR TUBING TYPE.
- C. INSTALLATION:
- GEAR: PROVIDE ENGRAVED THREE-LAYER LAMINATED PLASTIC NAMEPLATES WITH WHITE LETTERS ON A BLACK BACKGROUND TO IDENTIFY ALL ELECTRICAL DISTRIBUTION, CONTROL EQUIPMENT, LOADS SERVED, AND LOW-VOLTAGE SYSTEM PANELS.
  - CONDUITS: LABEL CONDUITS AT EACH END WITH SOURCE AND TERMINATION POINT.
  - JUNCTION BOXES: MARK ALL CIRCUIT NUMBERS OF WIRING ON ALL JUNCTION BOXES WITH SHEET STEEL COVERS. MARK WITH INDELIBLE BLACK MARKER. ON EXPOSED JUNCTION BOXES IN PUBLIC AREAS, MARK ON INSIDE OF COVER.
  - WIRE IDENTIFICATION: PROVIDE WIRE MARKERS ON EACH CONDUCTOR IN PANELBOARD GUTTERS, PULL BOXES, OUTLET AND JUNCTION BOXES, AND AT LOAD CONNECTION. MARKERS SHALL BE LOCATED WITHIN ONE INCH OF EACH CABLE END, EXCEPT AT PANELBOARDS, WHERE MARKERS FOR BRANCH CIRCUIT CONDUCTORS SHALL BE VISIBLE WITHOUT REMOVING PANEL DEADFRONT.

## 26\_50\_00 - LIGHTING FIXTURES

- A. SUBMITTALS:
- SUBMIT PRODUCT DATA ON LIGHT FIXTURES, POLES, ARMS, PILES, AND ALL ACCESSORIES FOR APPROVAL.
  - SUBMIT STRUCTURALLY ENGINEERED SHOP DRAWINGS AND CALCULATIONS, STAMPED AND SIGNED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF ALASKA, FOR LIGHT POLES/ARM ASSEMBLIES AND PILES. DRAWINGS AND CALCULATIONS SHALL STATE CONFORMANCE TO THE INTERNATIONAL BUILDING CODE (IBC), THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), AND THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) REQUIREMENTS SPECIFIC TO THE PROJECT AREA.
  - FIXTURE SUBSTITUTIONS SHALL BE SUBMITTED WITH POINT-BY-POINT LIGHTING CALCULATIONS ON A 2'X2' GRID SHOWING COMPLIANCE WITH THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) RECOMMENDED LIGHTING LEVELS AND UNIFORMITY THROUGHOUT THE PROJECT AREA. LIGHT FIXTURE SUBSTITUTIONS WILL NOT BE CONSIDERED WITHOUT THE REQUIRED LIGHTING CALCULATIONS. FIXTURE, POLE AND ARM APPROVED ALTERNATES WILL CONFORM TO THE SAME BASIC SHAPE/STYLE, TECHNICAL AND AESTHETIC CHARACTERISTICS, PROVIDE EQUAL OR BETTER ILLUMINATION/UNIFORMITY, CONSUME EQUAL OR LESS POWER, AND BE ACCOMPANIED BY AN EQUAL OR BETTER MANUFACTURER WARRANTY THAN THE SPECIFIED PRODUCTS.
- B. MATERIALS:
- LUMINAIRES: PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT OR APPROVED EQUAL AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE "FIXTURE SCHEDULE". PROVIDE LIGHTING EQUIPMENT COMPLETE, WIRED, ASSEMBLED, WITH PROPER FLANGES, MOUNTING SUPPORTS, HARDWARE, ETC.
  - LED DRIVERS: PROVIDE UL LISTED POWER SUPPLY AS RECOMMENDED BY THE LED FIXTURE MANUFACTURER FOR OPERATION OF THE SPECIFIED LED LAMPS. POWER SUPPLY SHALL BE INTEGRAL TO THE LUMINAIRE UNLESS OTHERWISE NOTED ON THE PLANS. POWER SUPPLY SHALL OPERATE AT THE SUPPLY VOLTAGE INDICATED ON THE PLANS AND SHALL BE LISTED FOR STARTING AND OPERATING THE LAMPS AT -40°F WHERE INSTALLED OUTDOORS.
  - LED LAMPS: UNLESS OTHERWISE SCHEDULED ON THE PLANS, PROVIDE NOMINAL 4000 K, WITH MINIMUM 75CRI AND A MINIMUM L70 LAMP LIFE OF 50,000 HOURS.
  - LIGHT POLES: POLES SHALL BE HOT-DIPPED GALVANIZED MEETING THE REQUIREMENTS OF MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) DETAIL 80-19, HEIGHT AS SHOWN ON THE FIXTURE SCHEDULE. MAST ARMS SHALL BE HOT-DIPPED GALVANIZED STEEL MEETING THE REQUIREMENTS OF MASS DETAIL 80-20, LENGTH AS SHOWN ON THE FIXTURE SCHEDULE. POLE BASES SHALL BE FIXED BASE PER MASS DETAIL 80-21. DRIVEN STEEL PILE FOUNDATIONS SHALL BE PER MASS DETAIL 80-13.
- C. INSTALLATION:
- LUMINAIRE POLES, MAST ARMS, AND BASES SHALL BE INSTALLED PER THE APPLICABLE PORTIONS OF THE MASS DIVISION 80, INCLUDING DETAILS 80-13, 80-19, 80-20, 80-21, AND 80-25.
  - PROVIDE LUMINAIRE DISCONNECTING MEANS IN DRIVER CHANNEL OF EACH LIGHT FIXTURE. WHERE THE LUMINAIRE IS FED FROM A MULTI-WIRE BRANCH CIRCUIT, PROVIDE MULTI-POLE DISCONNECT TO SIMULTANEOUSLY BREAK ALL SUPPLY CONDUCTORS TO THE BALLAST, INCLUDING THE GROUNDING CONDUCTOR.

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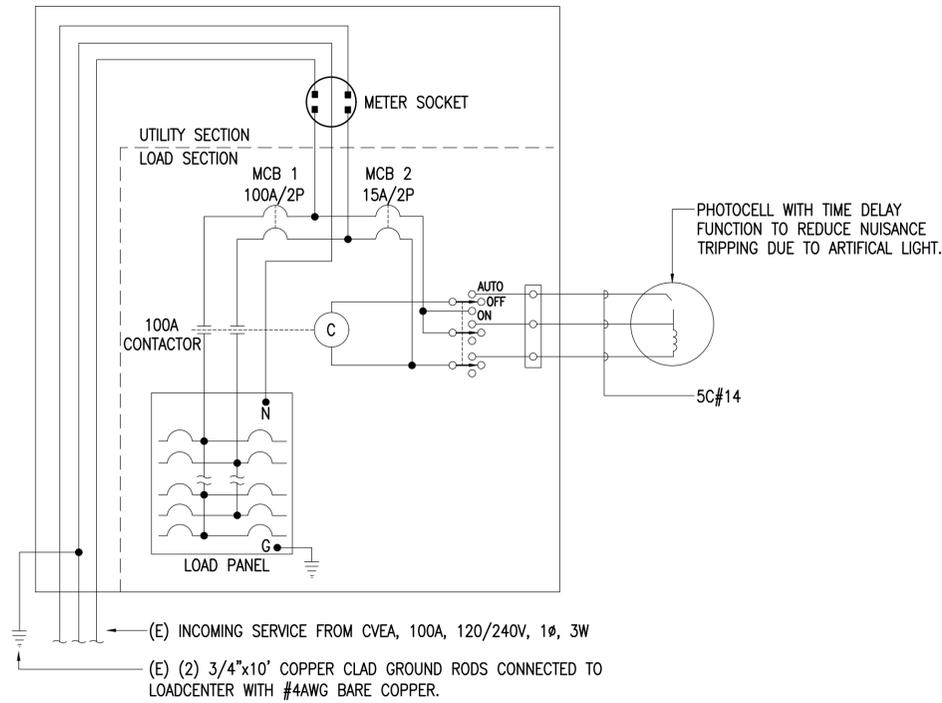
**RSA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 670 West Fireweed Lane, Suite 200  
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 Corporate No.: AEC0842

VALDEZ PAVEMENT REHABILITATION  
 PHASE IV - MEALS AVENUE  
**ELECTRICAL SPECIFICATIONS**

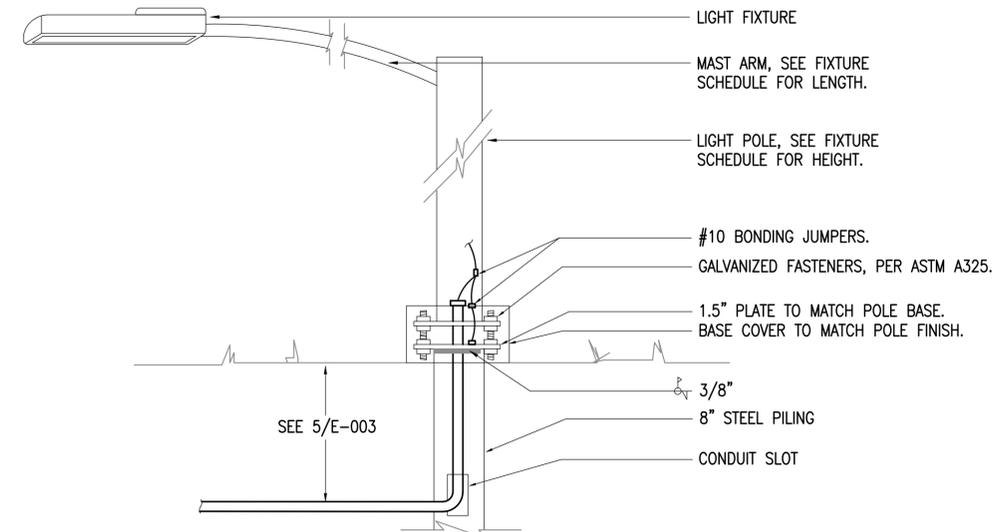
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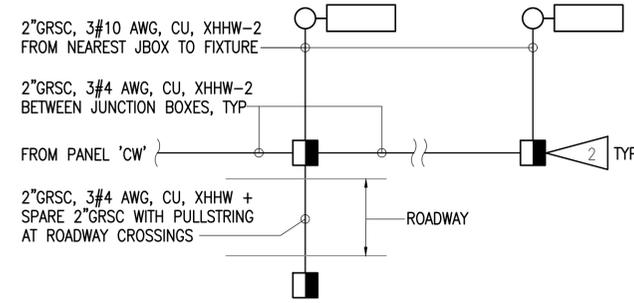


**1** EXISTING LOADCENTER TYPICAL WIRING DIAGRAM  
NO SCALE



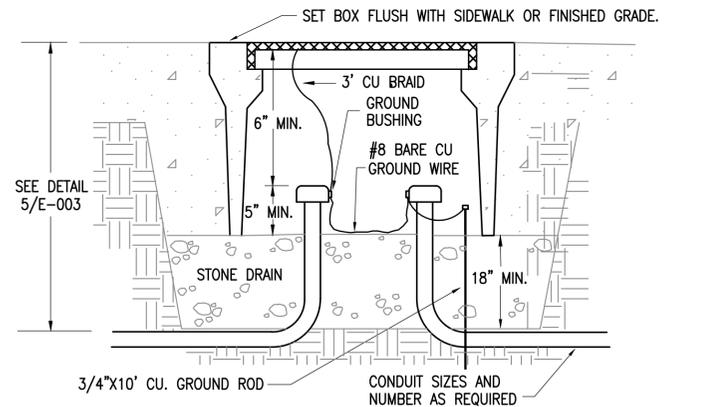
**DETAIL NOTES FOR LIGHT POLE BASES:**  
1. REFERENCE SPECIFICATION SECTION 26 50 00 FOR LIGHT POLE, MAST ARM, AND DRIVEN PILE REQUIREMENTS.

**2** TYPICAL LIGHT POLE BASE DETAIL  
NTS



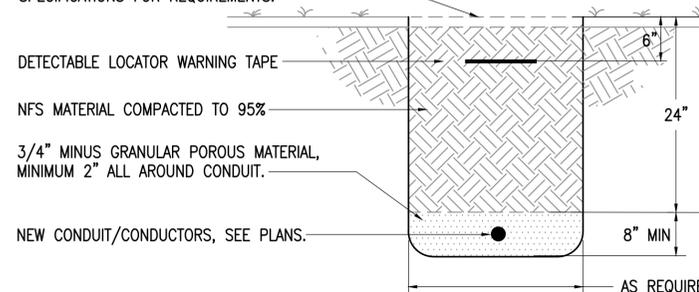
**ADDITIVE ALTERNATE #3:** SCHEDULE 40 HDPE MAY BE UTILIZED IN PLACE OF GRSC FOR UNDERGROUND APPLICATIONS ONLY.

**3** STREET LIGHTING SCHEMATIC  
NO SCALE



**4** EXTERIOR TYPE 1A JUNCTION BOX  
NO SCALE

NEW SOD/CONCRETE/ASPHALT TO MATCH EXISTING. REFERENCE THE CITY OF VALDEZ STANDARD SPECIFICATIONS FOR REQUIREMENTS.



**5** TYPICAL TRENCHING DETAIL  
NO SCALE

**SHEET NOTES:**

1. PROVIDE A 36" LOOP WITHIN THE STREET LIGHTING CONDUCTORS AT EACH JUNCTION BOX TO PROVIDE SLACK FOR FUTURE MAINTENANCE PURPOSES.

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**RSA Engineering, Inc.**  
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VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL DETAILS**  
VALDEZ, ALASKA

RSA PROJECT M2078  
DATE 01/16/2026

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**E-003**

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**GENERAL NOTES:**

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- C. DASHED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- D. CONTRACTOR IS RESPONSIBLE FOR PROVIDING UTILITY LOCATES WITHIN THE VICINITY OF THEIR EXCAVATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- E. REFERENCE THE CITY OF VALDEZ STANDARD SPECIFICATIONS FOR ALL REQUIREMENTS RELATED TO TRENCHING, EXCAVATION, BACKFILL, CONCRETE, ASPHALT, AND GRASS/SOD PRIOR TO BEGINNING WORK.
- F. UNLESS OTHERWISE NOTED DEMOLISH LIGHT FIXTURES, POLES, BASES/PILES, AND ALL ASSOCIATED EXPOSED CONDUIT AND WIRE AS SHOWN. DEMOLISH UNDERGROUND WIRING WITHIN CONDUIT TO SOURCE. DEMOLISH UNDERGROUND CONDUIT AND/OR DIRECT BURIED CABLE TO EXTENT NECESSARY AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
- G. UNLESS OTHERWISE NOTED DEMOLISH LIGHT POLES AND BASES/PILES COMPLETE, AND BACKFILL AND COMPACT ALL HOLES.
- H. UTILITY TRANSFORMERS POWERING THE EXISTING STREET LIGHTING ARE NOT SHOWN ON THESE SHEETS. ALL UTILITY TRANSFORMERS SHALL REMAIN. DEMOLISH STREET LIGHTING CONDUIT AND CONDUCTORS AS SHOWN/NOTED.
- D. REFERENCE THE DETAILS ON SHEET E-003 FOR ADDITIONAL LIGHTING AND LIGHTING CONDUIT/WIRING REQUIREMENTS.
- E. LOCATIONS OF NEW LIGHT POLES SHOWN ON E-001 SCHEDULE. LOCATIONS OF JUNCTION BOXES, AND UNDERGROUND CONDUIT ROUTING IS APPROXIMATE ONLY. ADJUST LOCATIONS IN THE FIELD TO AVOID EXISTING UNDERGROUND UTILITIES.
- F. ADDITIVE ALTERNATE #5 - ALL UNDERGROUND FIBER OPTIC LINES SHOWN (UG/FO) SHALL BE (2) RUNS OF 2" HDPE CONDUIT. ONLY A SINGLE LINE IS SHOWN FOR CLARITY, BUT (2) SHALL BE PROVIDED. ROUTE CONDUIT IN COMMON TRENCH WITH THE NEW LIGHTING CONDUIT TO FURTHEST EXTENT PRACTICAL. COORDINATE THE FINAL LOCATION OF ALL HANDHOLES AND VAULTS WITH THE COV PRIOR TO EXCAVATION.



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**1 ELECTRICAL SITE PLAN AND OVERALL MAP**  
1"=200'

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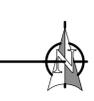
**RSA Engineering, Inc.**  
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VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL SITE PLAN  
AND OVERALL MAP**  
VALDEZ, ALASKA

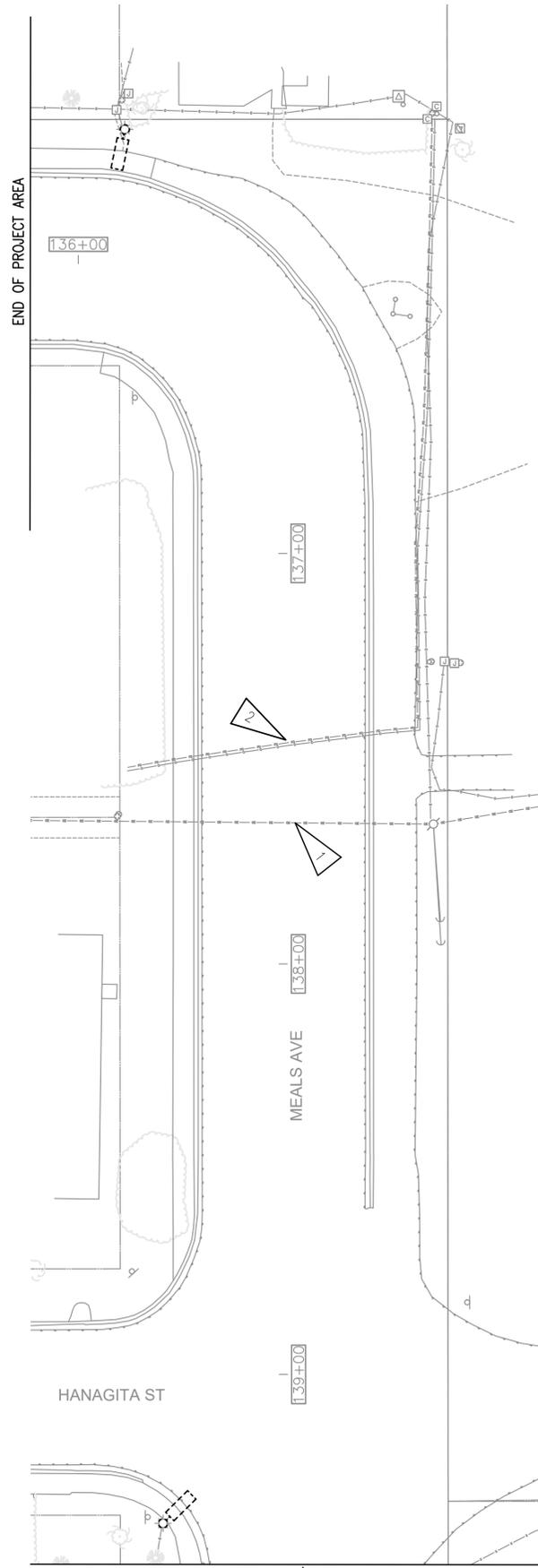
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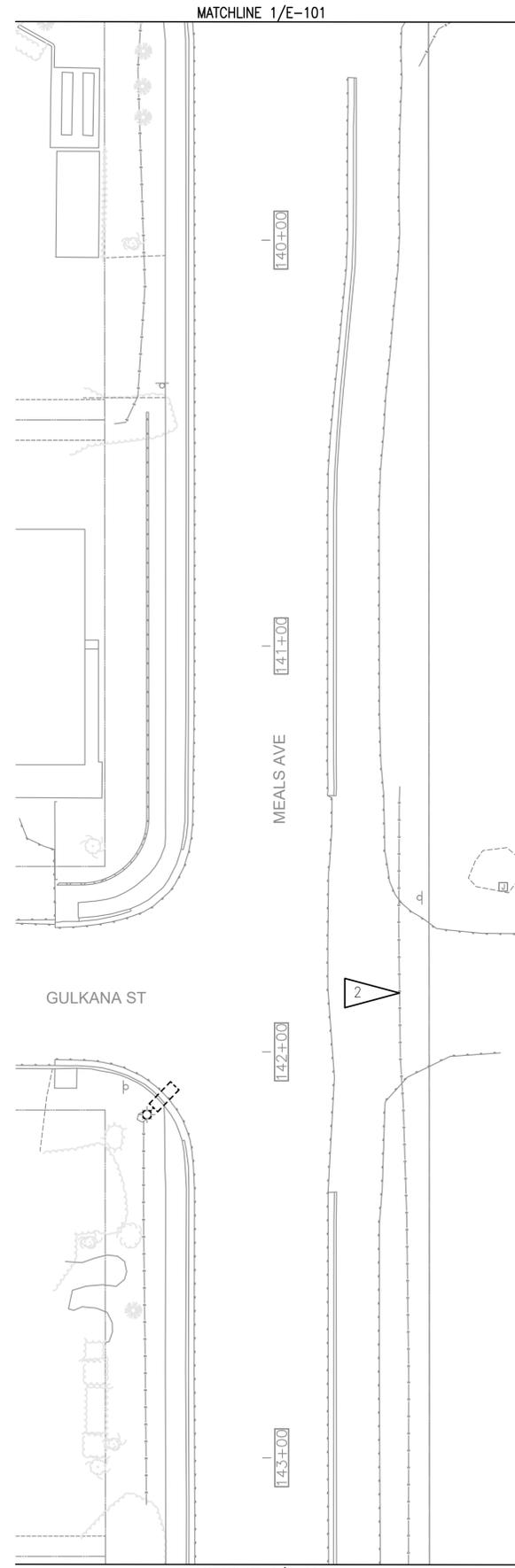
**E-004**



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**1** ELECTRICAL DEMOLITION PLAN  
1"=20'



**2** ELECTRICAL DEMOLITION PLAN  
1"=20'



**KEY MAP**  
1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

**SHEET NOTES:**

1. PROTECT EXISTING ELECTRIC UTILITY DURING CONSTRUCTION.
2. PROTECT EXISTING FIBER OPTICS AND COMMUNICATIONS CABLING DURING CONSTRUCTION.

REV	DATE	DESCRIPTION	BY



**RSA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Freewood Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AEC042

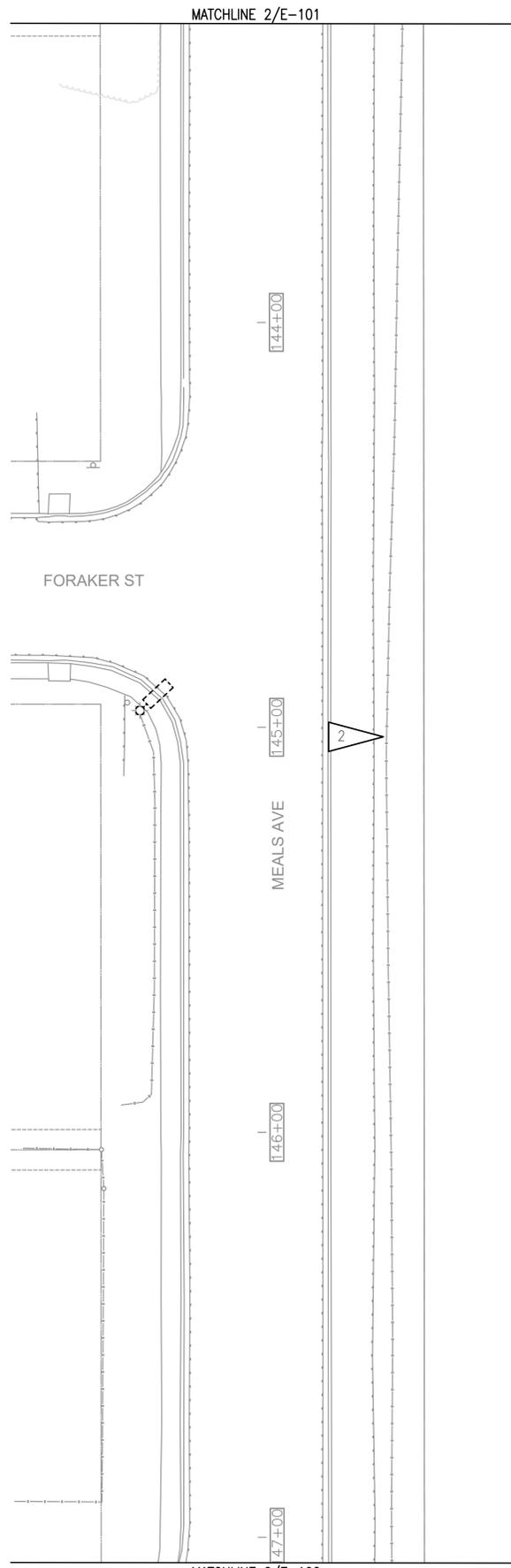
VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL DEMOLITION PLANS**  
VALDEZ, ALASKA

RSA PROJECT	M2078
DATE	01/16/2026

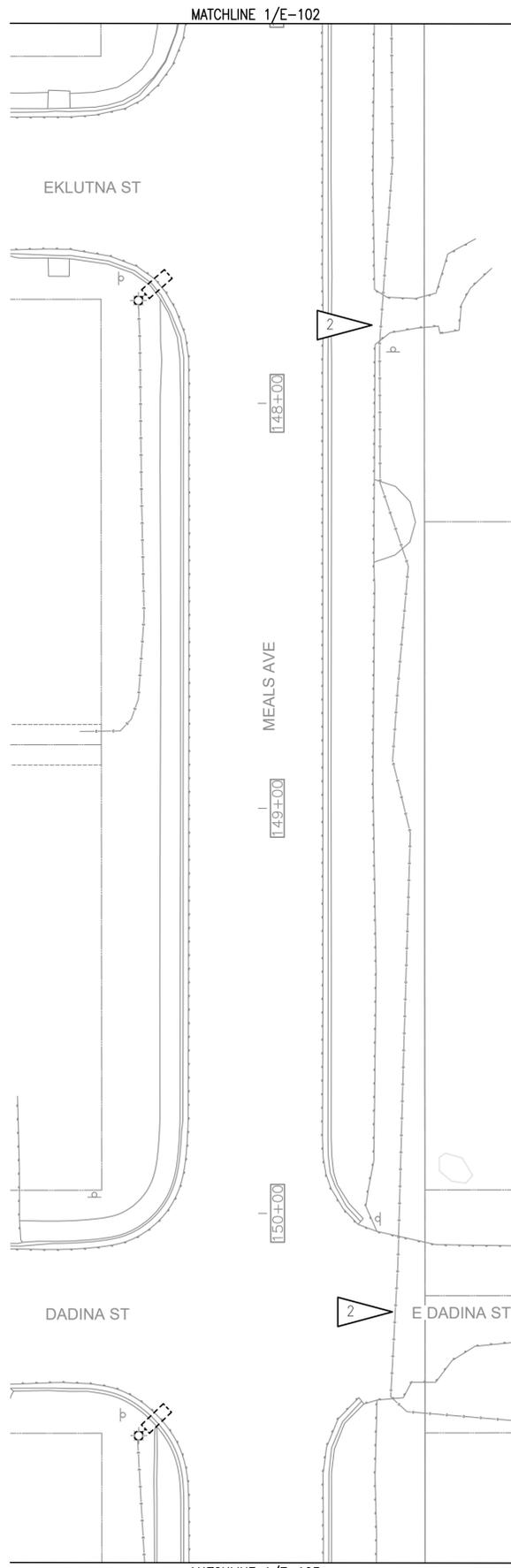
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**E-101**

G:\2022\M2078\M2078-ETSERIES-PHIV-MEALS.dwg PLOT DATE 2026-1-16 16:27 SAVED DATE 2026-01-16 16:22 USER: ntc villa-fuerte



**1** ELECTRICAL DEMOLITION PLAN  
1"=20'



**2** ELECTRICAL DEMOLITION PLAN  
1"=20'



**KEY MAP**  
1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

**SHEET NOTES:**

1. NOT USED.
2. PROTECT EXISTING FIBER OPTICS AND COMMUNICATIONS CABLING DURING CONSTRUCTION.

REV	DATE	DESCRIPTION	BY



**RSA Engineering, Inc.**  
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Corporate No.: AEC042

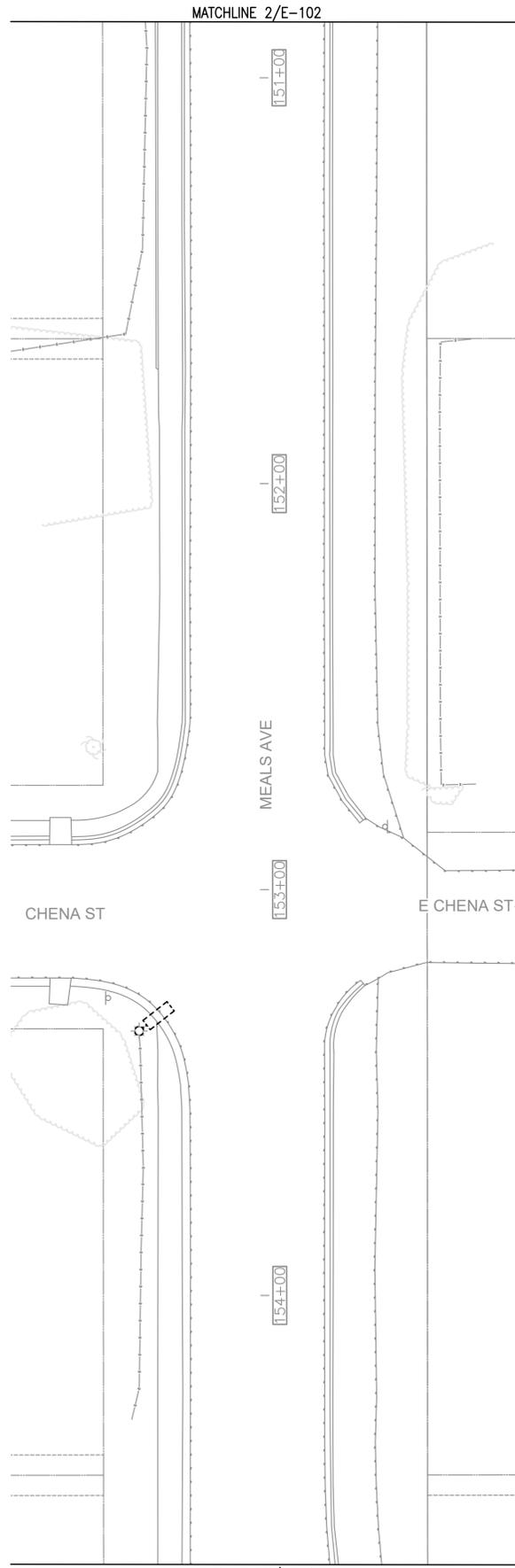
VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL DEMOLITION PLANS**  
VALDEZ, ALASKA

RSA PROJECT	M2078
DATE	01/16/2026

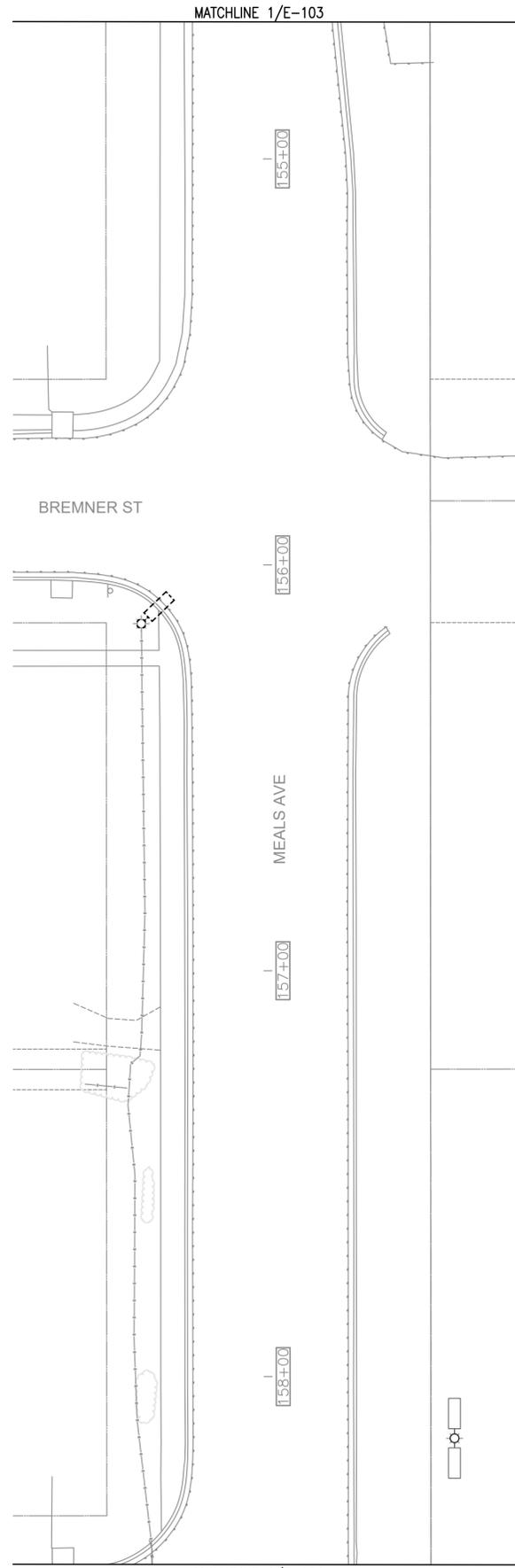
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**E-102**

G:\2022\M2078\M2078-ETSERIES-PHIV-MEALS.dwg PLOT DATE 2026-1-16 16:27 SAVED DATE 2026-01-16 16:22 USER: ntc villa-fuerte



**1** ELECTRICAL DEMOLITION PLAN  
1"=20'



**2** ELECTRICAL DEMOLITION PLAN  
1"=20'



**KEY MAP**  
1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

REV	DATE	DESCRIPTION	BY



**RSA Engineering, Inc.**  
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Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AEC042

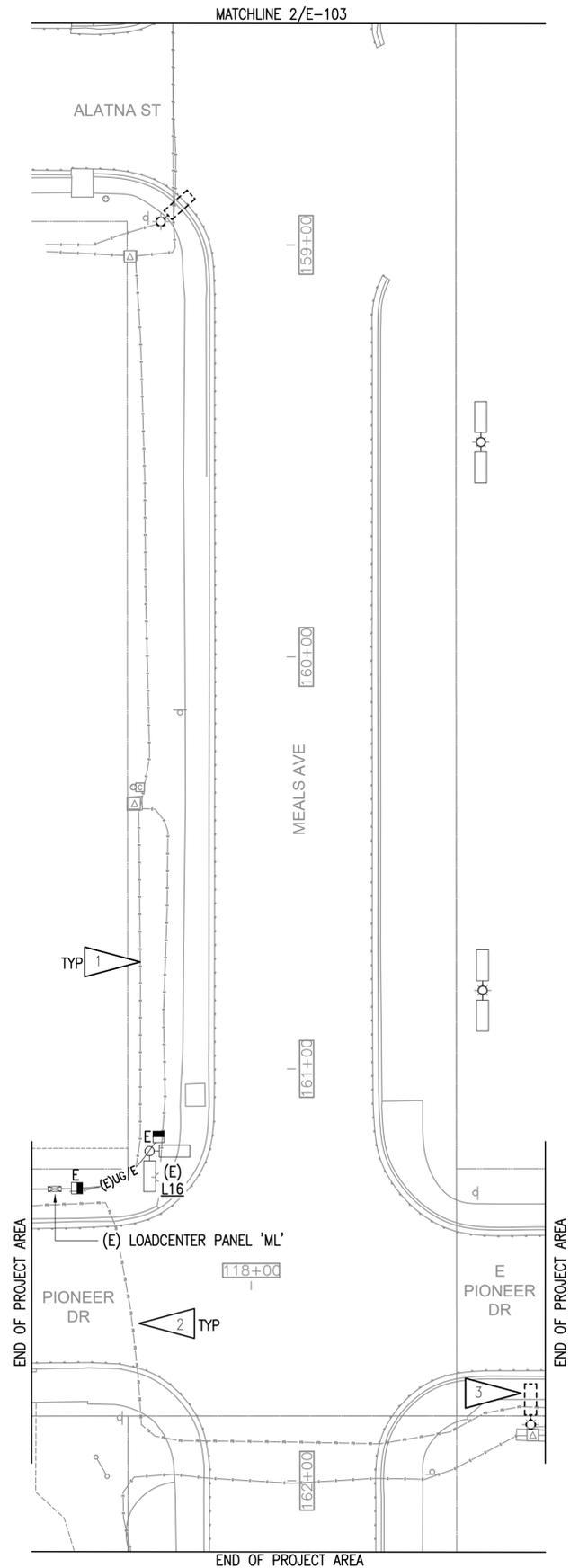
VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL DEMOLITION PLANS**  
VALDEZ, ALASKA

RSA PROJECT	M2078
DATE	01/16/2026

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**E-103**

G:\2022\M2078\M2078-ETSERIES-PHIV-MEALS.dwg PLOT DATE 2026-1-16 16:27 SAVED DATE 2026-01-16 16:22 USER: ntc villa-fuerte



**1 ELECTRICAL DEMO PLAN**  
1"=20'



**KEY MAP**

1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

**SHEET NOTES:**

1. PROTECT EXISTING ELECTRIC UTILITY DURING CONSTRUCTION.
2. PROTECT EXISTING FIBER OPTICS AND COMMUNICATIONS CABLING DURING CONSTRUCTION.
3. DEMOLISH FIXTURE AND POLE ONLY IN LOCATION NOTED. SALVAGE CONDUIT AND WIRE FOR REUSE WITH NEW POLE/FIXTURE IN SAME LOCATION.

REV	DATE	DESCRIPTION	BY
1	5/16/25	RFI #001 ADDITIONAL LIGHT POLE	



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VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL DEMOLITION PLANS**

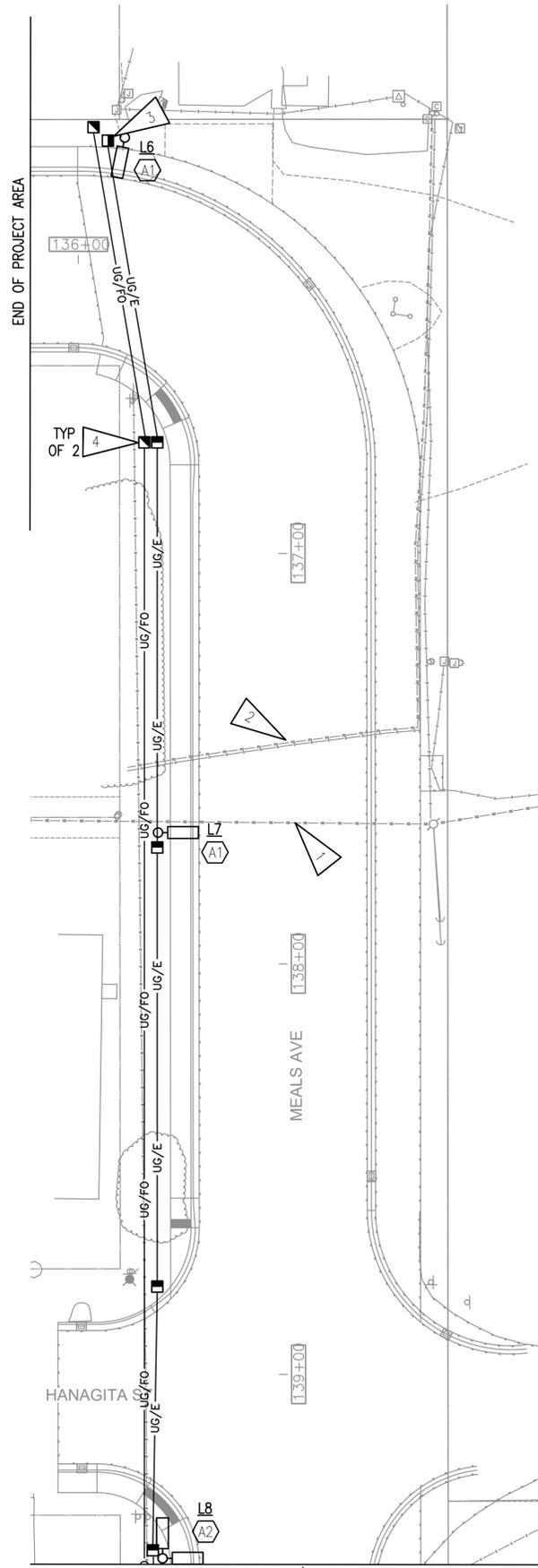
RSA PROJECT M2078  
DATE 01/16/2026

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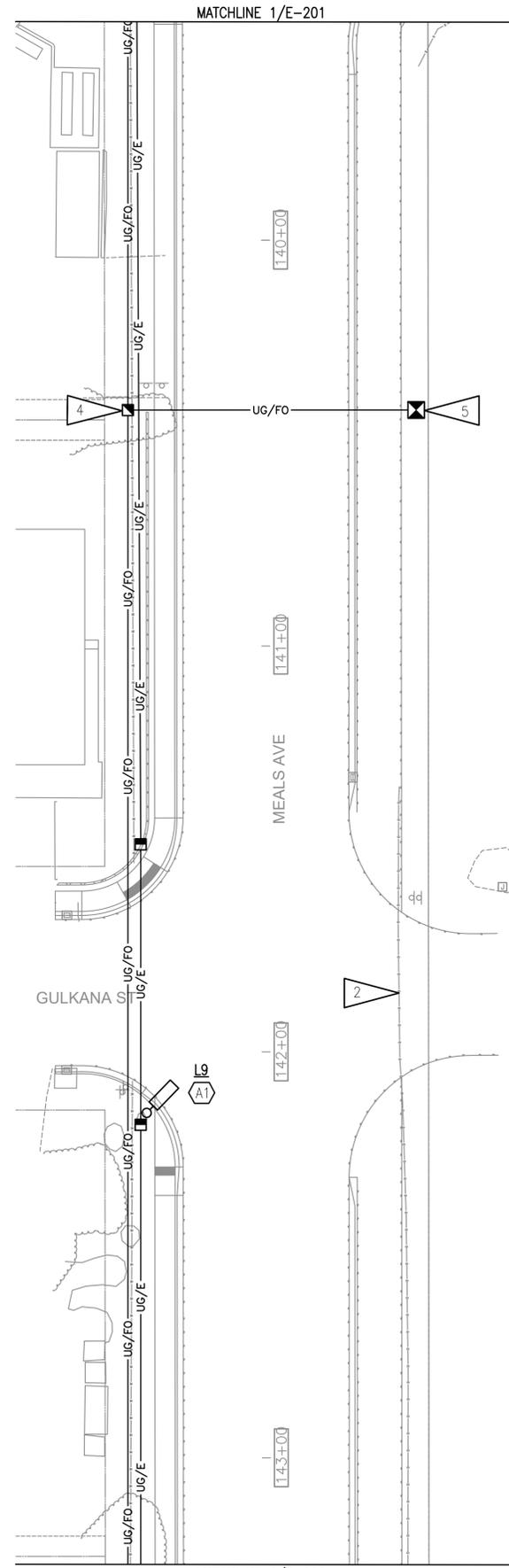
**E-104**

VALDEZ, ALASKA

G:\2022\M2078-EZSERIES-PHV-MEALS.dwg PLOT DATE 2026-01-16 16:27 SAVED DATE 2026-01-16 16:22 USER: nic villa-fuerte



**1** ELECTRICAL PLAN  
1"=20'



**2** ELECTRICAL PLAN  
1"=20'



**KEY MAP**  
1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

**SHEET NOTES:**

1. PROTECT EXISTING ELECTRIC UTILITY DURING CONSTRUCTION.
2. PROTECT EXISTING FIBER OPTICS AND COMMUNICATIONS CABLING DURING CONSTRUCTION.
3. PROVIDE PROVISIONS WITHIN JUNCTION BOX NOTED FOR FUTURE EXTENSION OF LIGHTING CONDUIT AND CONDUCTORS DOWN ROBE RIVER AVENUE.
4. FIBER OPTIC HANDHOLE, SEE CIVIL FOR DETAILS. COORDINATE EXACT LOCATION WITH COV PRIOR TO EXCAVATING.
5. FIBER OPTIC VAULT, SEE CIVIL FOR DETAILS. COORDINATE EXACT LOCATION WITH COV PRIOR TO EXCAVATING.

REV	DATE	DESCRIPTION	BY



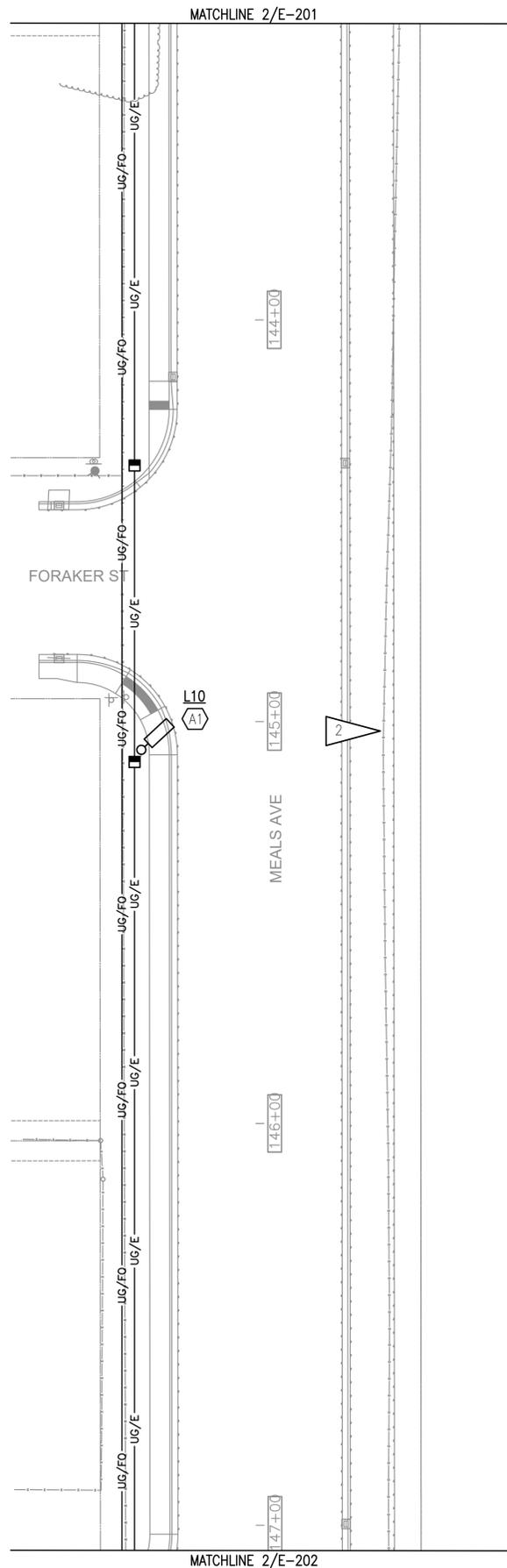
**RSA Engineering, Inc.**  
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Phone (907) 276-0521  
Corporate No.: AEC042

VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL PLANS**  
VALDEZ, ALASKA

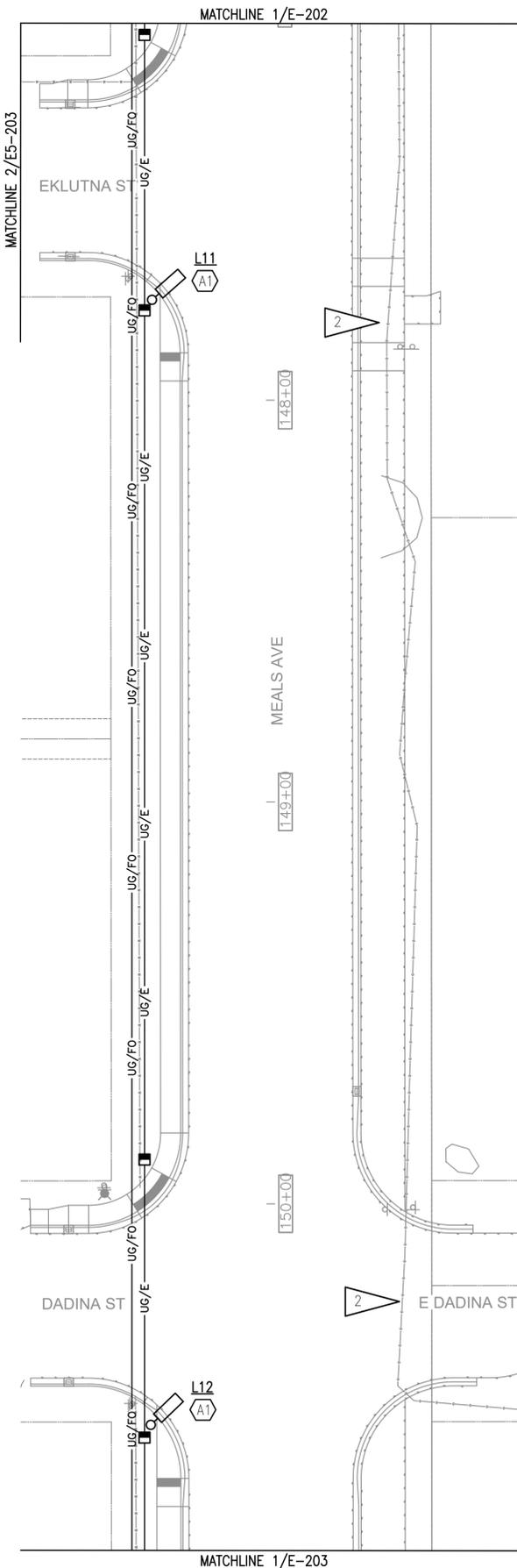
RSA PROJECT	M2078
DATE	01/16/2026

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**1** ELECTRICAL PLAN  
1"=20'



**2** ELECTRICAL PLAN  
1"=20'



**KEY MAP**  
1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

**SHEET NOTES:**

1. NOT USED.
2. PROTECT EXISTING FIBER OPTICS AND COMMUNICATIONS CABLING DURING CONSTRUCTION.

REV	DATE	DESCRIPTION	BY



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Corporate No.: AEC042

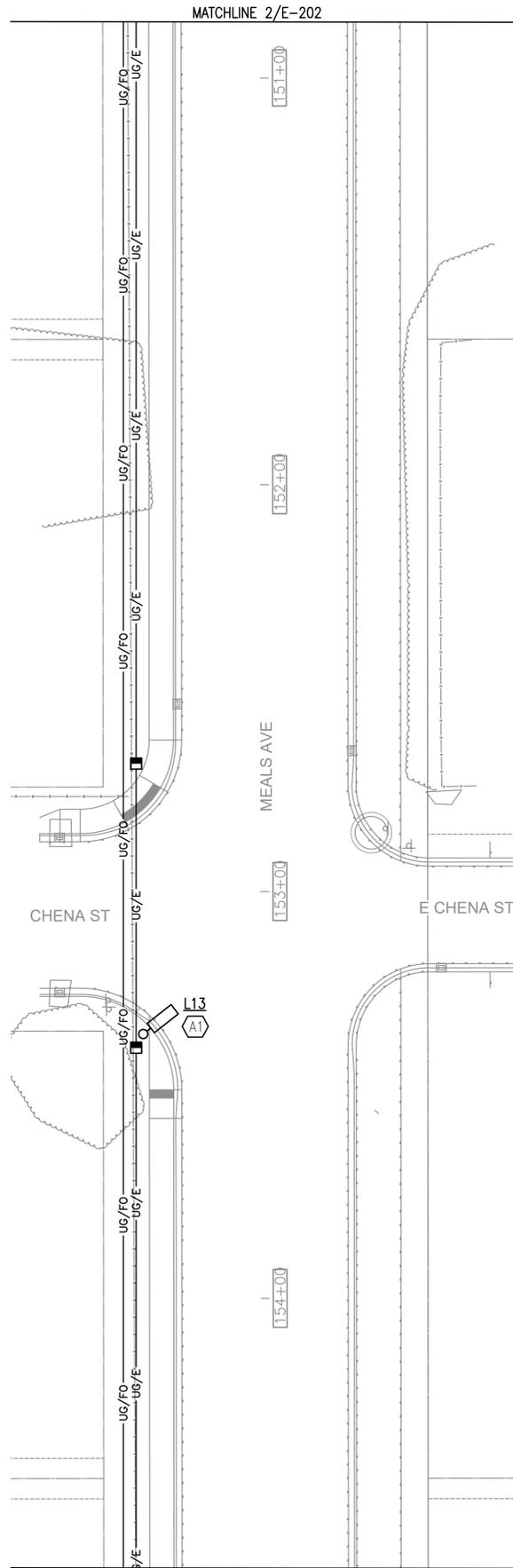
VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL PLANS**  
VALDEZ, ALASKA

RSA PROJECT	M2078
DATE	01/16/2026

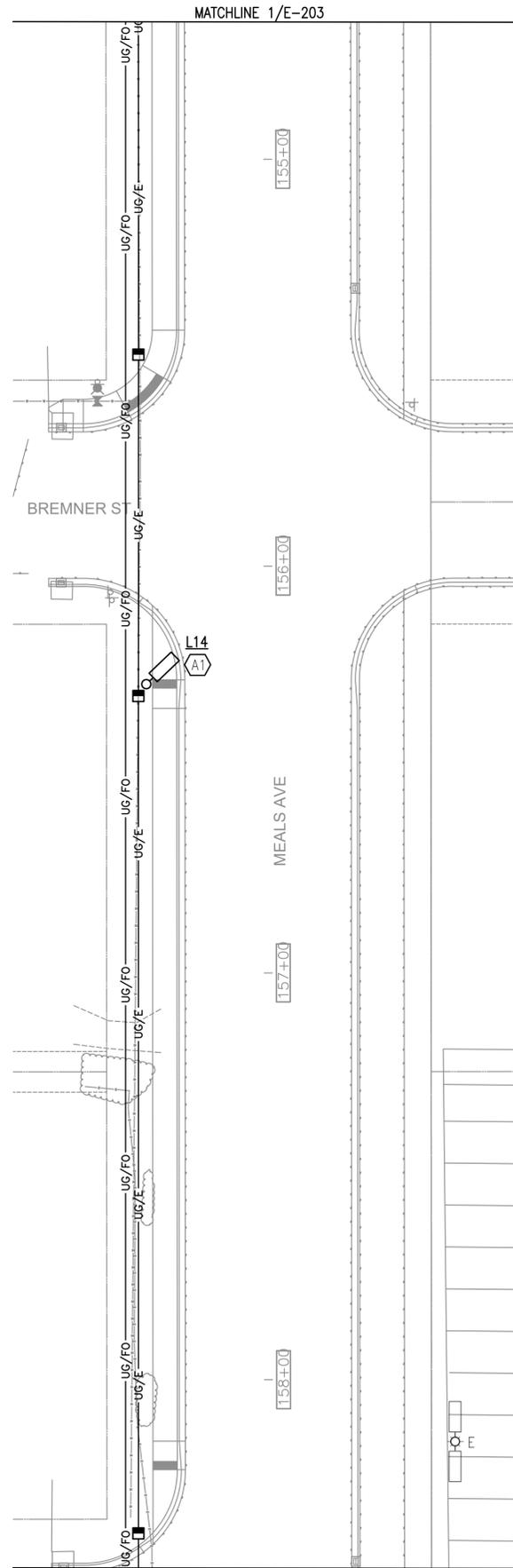
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**E-202**

G:\2022\M2078\M2078-EZSERIES-PHIV-MEALS.dwg PLOT DATE 2026-01-16 16:27 SAVED DATE 2026-01-16 16:22 USER: nic villa-fuerte



**1** ELECTRICAL PLAN  
1"=20'



**2** ELECTRICAL PLAN  
1"=20'



**KEY MAP**  
1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.



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VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL PLANS**

VALDEZ, ALASKA

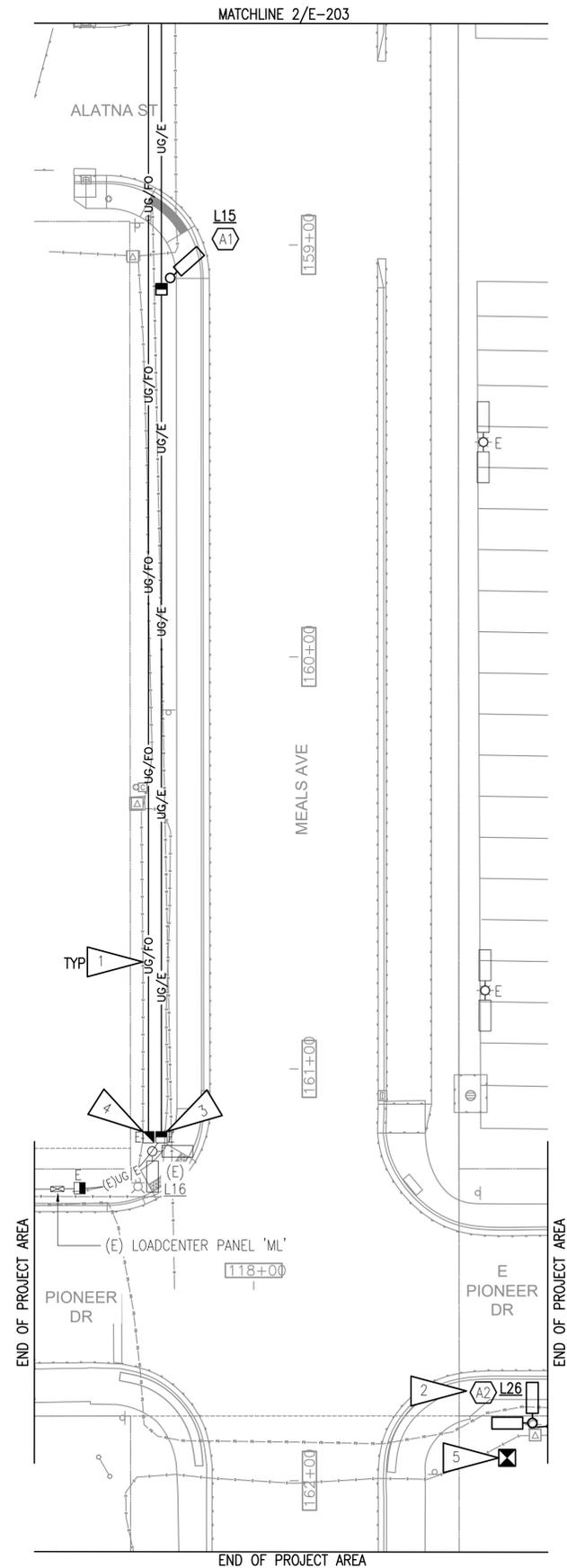
RSA PROJECT M2078  
DATE 01/16/2026

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**E-203**

REV	DATE	DESCRIPTION	BY

G:\2022\M2078\M2078-EZSERIES-PHV-MEALS.dwg PLOT DATE 2026-1-16 16:27 SAVED DATE 2026-01-16 16:22 USER: nic villa-fuerte



**1 ELECTRICAL PLAN**  
1"=20'



**KEY MAP**

1"=1000'

**GENERAL NOTES:**

A. SEE SHEET E-004 FOR GENERAL NOTES.

**SHEET NOTES:**

1. PROTECT EXISTING ELECTRIC UTILITY DURING CONSTRUCTION.
2. PROVIDE NEW POLE AND FIXTURES IN LOCATION NOTED AND RECONNECT TO EXISTING SALVAGED CONDUIT AND WIRE.
3. ROUTE NEW LIGHTING CONDUIT/CONDUCTORS INTO EXISTING IN-GRADE JUNCTION BOX.
4. ROUTE NEW FIBER OPTIC CONDUITS INTO EXISTING FIBER OPTIC HANDHOLE.
5. FIBER OPTIC VAULT, SEE CIVIL FOR DETAILS. COORDINATE EXACT LOCATION WITH COV PRIOR TO EXCAVATING. NO UNDERGROUND CONDUIT WILL BE ROUTED TO THIS VAULT UNDER THIS PROJECT.

REV	DATE	DESCRIPTION
1	5/16/25	RFI #001 ADDITIONAL LIGHT POLE



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VALDEZ PAVEMENT REHABILITATION  
PHASE IV - MEALS AVENUE  
**ELECTRICAL PLANS**  
VALDEZ, ALASKA

RSA PROJECT	M2078
DATE	01/16/2026

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**E-204**