

TOWN OF QUEEN CREEK  
C.I.P PROJECT NO. A1405

BASIS OF BEARING

WEST LINE OF NORTHWEST QUARTER OF SECTION 30, T,2 S.,  
R.7E. GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA  
COUNTY, AZ BEARING = N00°01'15.22"E, A DISTANCE OF 2711.87'

BENCHMARKS

BRASS CAP IN HANDHOLE AT INTERSECTION OF OCOTILLO  
ROAD AND POWER ROAD, SOUTHWEST CORNER OF SECTION  
18, TOWNSHIP 2 SOUTH. RANGE 7 EAST.  
ELEVATION = 1354.40' NAVD 88 VERTICAL DATUM

UTILITY COORDINATION AND CONTACT LIST

THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES AND THE  
WORK SHOWN HEREIN HAS BEEN REVIEWED FOR POTENTIAL CONFLICTS AND CLEARED OF  
KNOWN CONFLICTS WITH THEIR FACILITIES. THE UTILITY SIZES AND LOCATIONS SHOWN  
HEREIN IS IN AGREEMENT WITH PROVIDED UTILITY COMPANY RECORDS. IDENTIFIED  
CONFLICTS SHALL BE RESOLVED AS NOTED IN THE PLANS AND / OR SPECIAL PROVISIONS OR  
CONFLICTING UTILITY FACILITIES HAVE BEEN MOVED AND NO LONGER CONFLICT.  
UNFORESEEN OR UNIDENTIFIED CONFLICTS DISCOVERED IN THE FIELD SHALL BE REPORTED  
IMMEDIATELY TO THE APPROPRIATE UTILITY COMPANY REPRESENTATIVE AND BLUE STAKE  
CENTER. ALL SUCH UNKNOWN CONFLICTS SHALL BE RESOLVED BY THE DESIGN TEAM AND  
UTILITY PRIOR TO CONSTRUCTION CONTINUING IN THE LOCATION

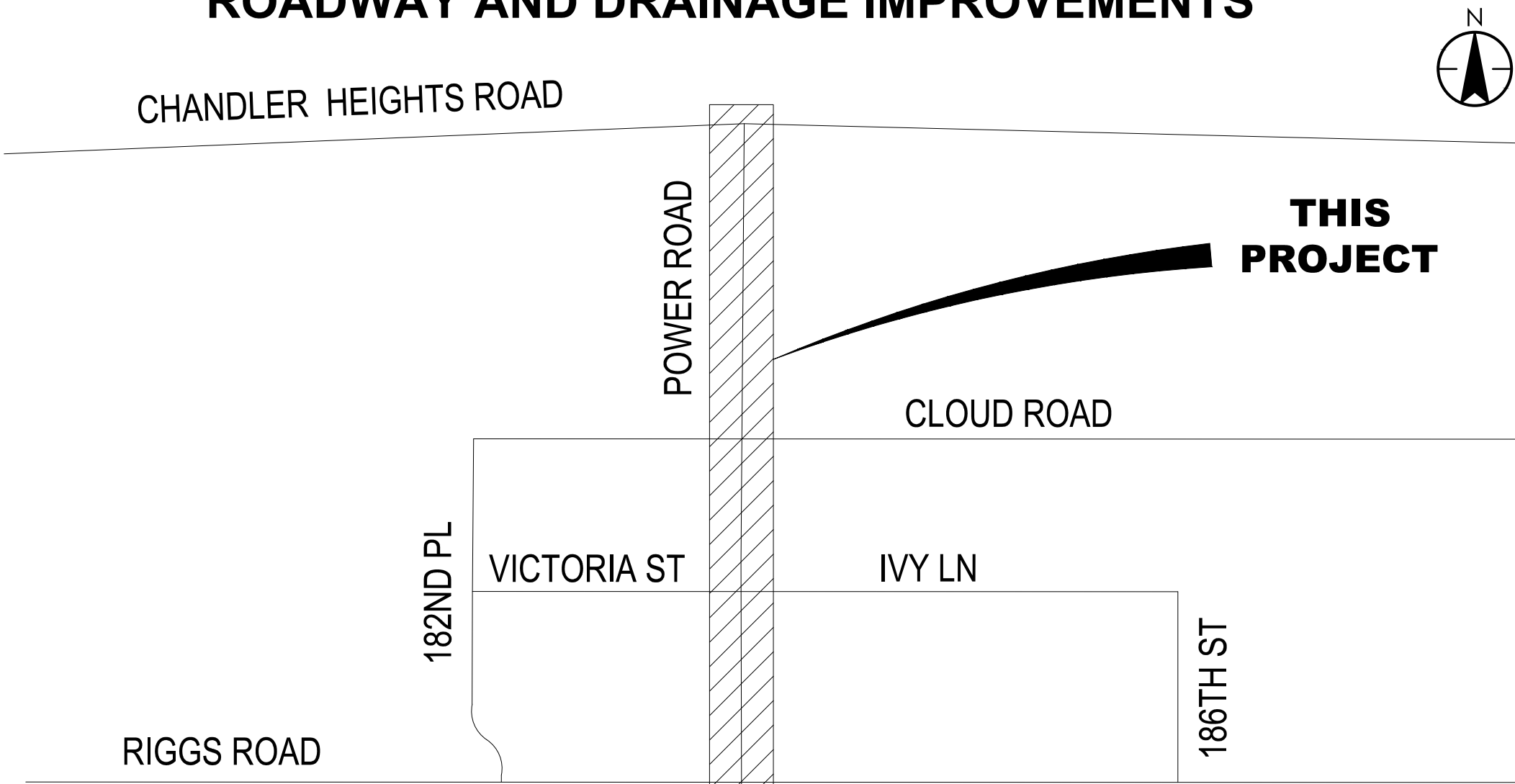
UTILITY	REPRESENTATIVE	PHONE	E-MAIL
S.R.P.	KAYE BOCKMANN	602-236-3129	KAYE.BOCKMANN@SRPNET.COM
SW GAS	GENE FLOREZ	480-730-3841	GENE.FLOREZ@SWGAS.COM
CENTURYLINK	KEVIN WAGNER	815-245-9640	KWAGNER@TERRATECHLLC.NET
COX COMM.	JEFF KRAUSE	520-955-0084	JEFF.KRAUSE@COX.COM
TOQC WATER	MIKE HUBER	480-358-3482	MIKE.HUBER@QUEENCREEKAZ.GOV
TOQC SEWER	MIKE HUBER	480-358-3482	MIKE.HUBER@QUEENCREEKAZ.GOV
TOQC TRAFFIC ITS	CLINTON MCCLEVE	480-358-3476	CLINTON.MCCLEVE@QUEENCREEKAZ.GOV
SAN TAN IRRIGATION	TODD ANGLE	480-988-3385	TODD@SANTANID.COM
RANCHOS JARDINES	JIM MILLSPAUGH	480-570-2643	JMRJID@GMAIL.COM
CITRUS IRRIGATION	GREGORY DUNNAN	480-254-0983	GDUNNAN@DKGCIVIL.COM

UNDERGROUND UTILITIES

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR STRUCTURE  
DEPICTED HEREIN IS BASED UPON THE BEST AVAILABLE INFORMATION FURNISHED  
BY THE UTILITY OR STRUCTURE OWNER AT THE TIME OF THE SURVEY.
- TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING UTILITIES  
WITHIN THE PROJECT LIMITS EXCEPT AS SHOWN ON THESE DRAWINGS.
- THE ENGINEER AND TOWN ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE  
UTILITY LOCATIONS DEPICTED IN THESE DRAWINGS.
- THE CONTRACTOR SHALL CALL BLUE STAKE AT (602) 263-1100 OR 811 AT LEAST 48  
HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO CONTACT ALL INVOLVED UTILITIES AND FIELD VERIFY THE  
LOCATION(S) OF ALL UTILITIES.
- IF DISCREPANCIES IN UTILITY LOCATIONS ARE FOUND, THE CONTRACTOR SHALL  
NOTIFY THE TOWN'S PROJECT REPRESENTATIVE IMMEDIATELY.
- ALL MATERIAL THAT COMES INTO CONTACT WITH WATER SHALL CONFORM TO  
ANSI/NSF STANDARD 61.

NOTE: THE EXISTING RETENTION AND DRAINAGE FACILITIES ON THIS  
SITE WILL NOT BE REMOVED FROM SERVICE UNTIL THE PERMANENT  
RETENTION AND DRAINAGE FACILITIES ARE FUNCTIONAL.

POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



LOCATION MAP

SHEET INDEX

(REFER TO SHEET 2)

SHEET TITLE	DRAWING NO.	SHEET NO.
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ROADWAY DETAIL SHEETS	DT001-DT006	13-18
DEMOLITION PLAN SHEETS	DM001 - DM007	19-25
PAVING PLAN AND PROFILE SHEETS	PP001 - PP014	26-39
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TOWN COUNCIL

MAYOR - JULIA WHEATLEY  
VICE-MAYOR - LEAH MARTINEAU  
COUNCIL MEMBERS  
ROBIN BENNING  
JEFF BROWN  
BRYAN MCCLURE  
DAWN OLIPHANT  
TRAVIS PADILLA

TOWN OF QUEEN CREEK

19715 S. 220TH ST  
QUEEN CREEK, AZ 85142  
TELEPHONE (480) 358-3140  
FAX (480) 358-3105  
CONTACT: Bob Coulthard  
E-MAIL: bob.coulthard@queencreekaz.gov

ENGINEER

STANTEC CONSULTING INC.  
3133 WEST FRYE ROAD SUITE 300  
CHANDLER, AZ 85226  
PHONE: (480) 687-6100  
FAX: (480) 431-9562  
CONTACT: Chris Eggers  
EMAIL: chris.eggers@stantec.com

APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING  
AGENCIES HEREBY ACKNOWLEDGE OR HAVE  
ACKNOWLEDGED THAT THEY HAVE REVIEWED AND  
APPROVED THE DESIGN SHOWN HEREIN. CONSTRUCTION  
MAY BEGIN AFTER ALL APPROPRIATE PERMITS HAVE  
BEEN OBTAINED.

TOWN CIP GROUP DIRECTOR

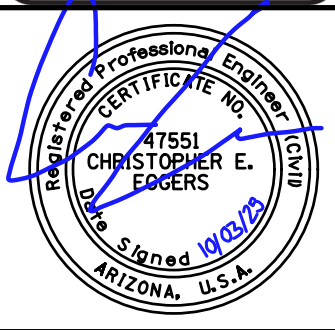
TOWN TRAFFIC ENGINEER

TOWN OF QUEEN CREEK UTILITY ENGINEER

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD-DRAWING"  
MEASUREMENTS AS SHOWN HEREON WERE MADE  
UNDER MY SUPERVISION, OR AS NOTED, AND ARE  
CORRECT TO THE BEST OF MY KNOWLEDGE AND  
BELIEF.

REGISTERED ENGINEER/  
LAND SURVEYOR SEAL &  
DATE



3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com




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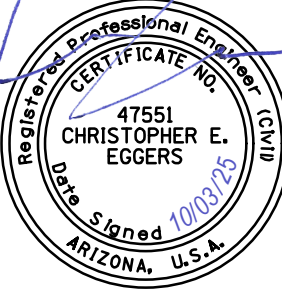
SHEET NO.	DRAWING NO.	SHEET NAME
1	CS001	COVER SHEET
2	CS002	SHEET INDEX
3	KM001	KEY MAP
4	GN001	GENERAL NOTES AND LEGEND
5	GN002	GENERAL NOTES AND LEGEND
6	GC001	GEOMETRIC CONTROL MAP
7	TY001	TYPICAL SECTION POWER ROAD
8	TY002	TYPICAL SECTION POWER ROAD
9	TY003	TYPICAL SECTION POWER ROAD
10	TY004	TYPICAL SECTION POWER ROAD
11	TY005	TYPICAL SECTION POWER ROAD
12	TY006	TYPICAL SECTION POWER ROAD
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14	DT002	ROADWAY DETAIL SHEETS
15	DT003	ROADWAY DETAIL SHEETS
16	DT004	ROADWAY DETAIL SHEETS
17	DT005	ROADWAY DETAIL SHEETS
18	DT006	ROADWAY DETAIL SHEETS
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20	DM002	DEMOLITION PLANS SHEETS
21	DM003	DEMOLITION PLANS SHEETS
22	DM004	DEMOLITION PLANS SHEETS
23	DM005	DEMOLITION PLANS SHEETS
24	DM006	DEMOLITION PLANS SHEETS
25	DM007	DEMOLITION PLANS SHEETS
26	PP001	PAVING PLAN AND PROFILE SHEETS
27	PP002	PAVING PLAN AND PROFILE SHEETS
28	PP003	PAVING PLAN AND PROFILE SHEETS
29	PP004	PAVING PLAN AND PROFILE SHEETS
30	PP005	PAVING PLAN AND PROFILE SHEETS
31	PP006	PAVING PLAN AND PROFILE SHEETS
32	PP007	PAVING PLAN AND PROFILE SHEETS
33	PP008	PAVING PLAN AND PROFILE SHEETS
34	PP009	PAVING PLAN AND PROFILE SHEETS
35	PP010	PAVING PLAN AND PROFILE SHEETS
36	PP011	PAVING PLAN AND PROFILE SHEETS
37	PP012	PAVING PLAN AND PROFILE SHEETS
38	PP013	PAVING PLAN AND PROFILE SHEETS
39	PP014	PAVING PLAN AND PROFILE SHEETS
40	PP101	INTERSECTION GRADING SHEET
41	PP102	INTERSECTION GRADING SHEET
42	DW001	DRIVEWAY PROFILES
43	DR001	GRADING & DRAINAGE SHEETS
44	DR002	GRADING & DRAINAGE SHEETS
45	DR003	GRADING & DRAINAGE SHEETS
46	DR004	GRADING & DRAINAGE SHEETS
47	DR005	GRADING & DRAINAGE SHEETS
48	DR006	GRADING & DRAINAGE SHEETS
49	DR007	GRADING & DRAINAGE SHEETS
50	DR008	GRADING & DRAINAGE SHEETS
51	DR101	PIPE PROFILES
52	DR102	PIPE PROFILES
53	DR201	SCUPPER PROFILES
54	CS003	WATER COVER SHEET AND SHEET INDEX
55	KM002	WATER PLAN KEY MAP
56	UW001	WATER PLAN SHEETS
57	UW002	WATER PLAN SHEETS
58	UW003	WATER PLAN SHEETS
59	UW004	WATER PLAN SHEETS
60	UW005	WATER PLAN SHEETS
61	UW006	WATER PLAN SHEETS
62	UW101	WATER DETAIL SHEETS
63	UW102	WATER DETAIL SHEETS
64	SG001	SIGNING & STRIPING GENERAL SHEETS
65	SG002	SIGNING & STRIPING GENERAL SHEETS
66	SG003	SIGNING & STRIPING GENERAL SHEETS
67	SG004	SIGNING & STRIPING GENERAL SHEETS

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70	SN002	SIGNING SHEETS
71	SN003	SIGNING SHEETS
72	SN004	SIGNING SHEETS
73	SS001	STRIPING PLANS
74	SS002	STRIPING PLANS
75	SS003	STRIPING PLANS
76	SS004	STRIPING PLANS
77	TS001	TRAFFIC SIGNAL PLAN SHEETS
78	TS002	TRAFFIC SIGNAL PLAN SHEETS
79	TS003	TRAFFIC SIGNAL PLAN SHEETS
80	TS004	TRAFFIC SIGNAL PLAN SHEETS
81	TS004a	TRAFFIC SIGNAL PLAN SHEETS
82	TS004b	TRAFFIC SIGNAL PLAN SHEETS
83	TS004c	TRAFFIC SIGNAL PLAN SHEETS
84	TS005	TRAFFIC SIGNAL PLAN SHEETS
85	TS006	TRAFFIC SIGNAL PLAN SHEETS
86	TS007	TRAFFIC SIGNAL PLAN SHEETS
87	TS008	TRAFFIC SIGNAL PLAN SHEETS
88	SL001	STREETLIGHT SHEETS
89	SL002	STREETLIGHT SHEETS
90	SL003	STREETLIGHT SHEETS
91	SL004	STREETLIGHT SHEETS
92	SL005	STREETLIGHT SHEETS
93	SL006	STREETLIGHT SHEETS
94	SL007	STREETLIGHT SHEETS
95	SL008	STREETLIGHT SHEETS
96	SL009	STREETLIGHT SHEETS
97	SL010	STREETLIGHT SHEETS
98	IR101	IRRIGATION NOTES AND SCHEDULES
99	IR001	IRRIGATION PLAN 1
100	IR002	IRRIGATION PLAN 2
101	IR003	IRRIGATION PLAN 3
102	IR004	IRRIGATION PLAN 4
103	IR005	IRRIGATION PLAN 5
104	IR006	IRRIGATION PLAN 6
105	IR007	IRRIGATION PLAN 7
106	IR008	IRRIGATION PLAN 8
107	IR009	IRRIGATION PLAN 9
108	IR010	IRRIGATION PLAN 10
109	IR011	IRRIGATION PLAN 11
110	IR012	IRRIGATION PLAN 12
111	IR013	IRRIGATION PLAN 13
112	IR014	IRRIGATION PLAN 14
113	IR501	IRRIGATION DETAILS 1
114	IR502	IRRIGATION DETAILS 2
115	PL101	LANDSCAPING NOTES AND SCHEDULES
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120	PL005	LANDSCAPING PLAN 5
121	PL006	LANDSCAPING PLAN 6
122	PL007	LANDSCAPING PLAN 7
123	PL008	LANDSCAPING PLAN 8
124	PL009	LANDSCAPING PLAN 9
125	PL010	LANDSCAPING PLAN 10
126	PL011	LANDSCAPING PLAN 11
127	PL012	LANDSCAPING PLAN 12
128	PL013	LANDSCAPING PLAN 13
129	PL014	LANDSCAPING PLAN 14
130	PL501	LANDSCAPING DETAILS
131	BL001	BORING LOG SHEETS
132	BL002	BORING LOG SHEETS
133	BL003	BORING LOG SHEETS

Contact Arizona 811 at least two full working days before you begin excavation

  
Call 811 or click Arizona811.com




DESIGNED BY

DRAWN BY


MH

BE



TOWN OF  
QUEEN CREEK

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

SHEET INDEX

DRAWING NO.

CIP PROJ NO.

CS002

A1405

SHEET 2

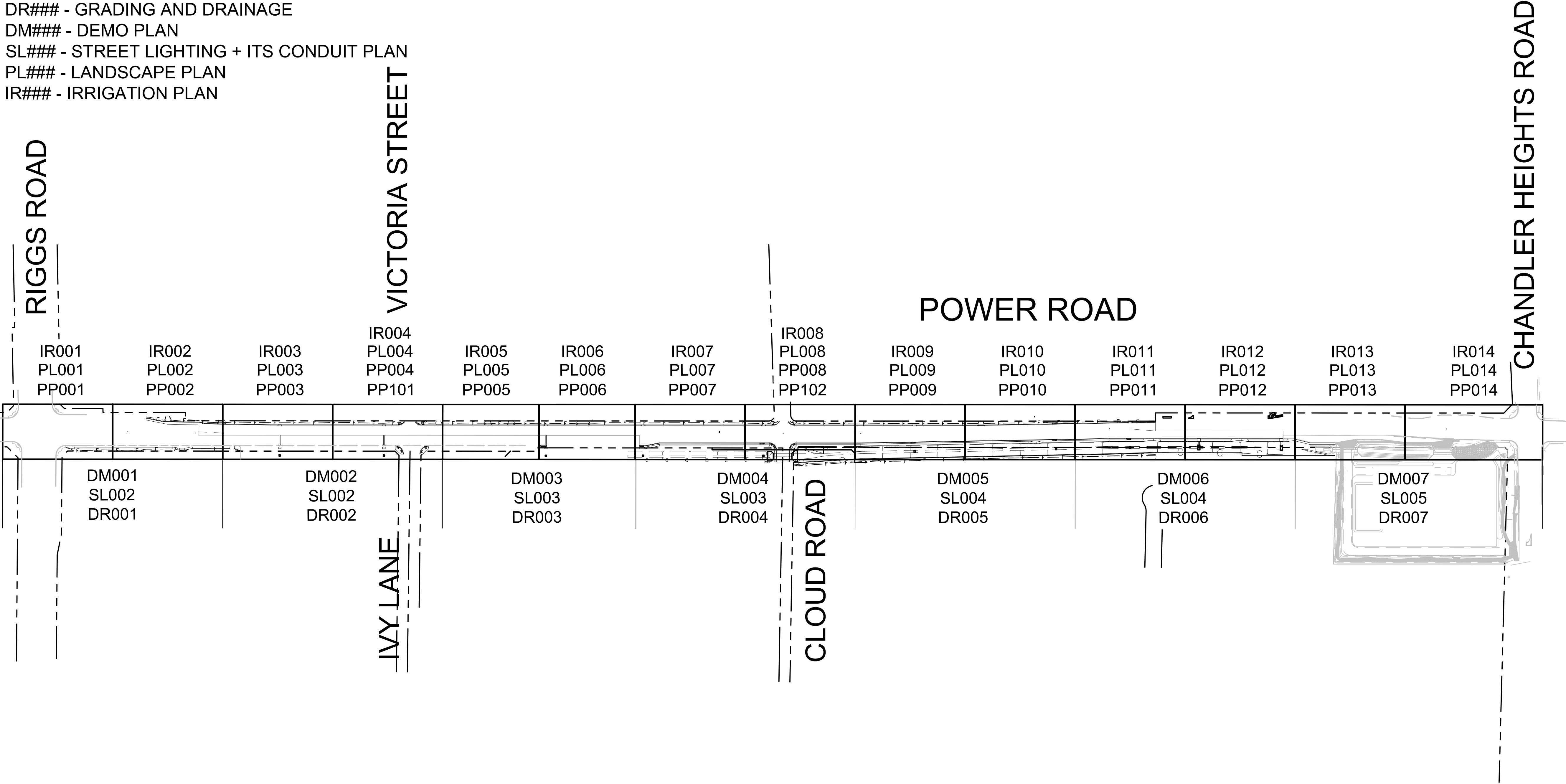
OF 133





PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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KEY  
PP### - ROADWAY PLAN AND PROFILE  
DR### - GRADING AND DRAINAGE  
DM### - DEMO PLAN  
SL### - STREET LIGHTING + ITS CONDUIT PLAN  
PL### - LANDSCAPE PLAN  
IR### - IRRIGATION PLAN



 Contact Arizona 811 at least two full working days before you begin excavation Call 811 or click Arizona811.com		 <b>TOWN OF QUEEN CREEK</b>	
		POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS	
		 3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com	
KEY MAP			
DESIGNED BY	MH	CIP PROJ NO. A1405	
DRAWN BY	BE		
DRAWING NO. KM001		SHEET 3 OF 133	

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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CAPITAL IMPROVEMENT PROJECT GENERAL NOTES

1.

ALL IMPROVEMENTS INCLUDED HEREIN REQUIRE TOWN ISSUED CONSTRUCTION AND ENCROACHMENT PERMITS AND SHALL BE CONSTRUCTED WITH THE INSPECTION AND SUBSEQUENT APPROVAL OF THE TOWN CIP DEPARTMENT. TOWN PERMITS ARE PROVIDED AT NO COST TO THE CONTRACTOR FOR CIP PROJECTS. THE WORK MAY ALSO REQUIRE ADDITIONAL PERMITS FROM OTHER ENTITIES AND PERMITTING AUTHORITIES AND HAVE COSTS ASSOCIATED WITH THEM. CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH NECESSARY PERMITS HAVE BEEN ISSUED AND COPIES OF THE PERMITS PROVIDED TO THE ASSIGNED TOWN PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND RENEWAL OF EXPIRING OR LAPSED PERMITS.
2.

ALL CONSTRUCTION IMPROVEMENTS WORK, TESTING, AND MATERIALS SHALL CONFORM TO THE LATEST EDITIONS OF THE TOWN OF QUEEN CREEK DESIGN STANDARDS AND PROCEDURES MANUAL; THE TOWN OF QUEEN CREEK DESIGN AND CONSTRUCTION STANDARDS MANUAL FOR WATER, WASTEWATER, AND IRRIGATION SYSTEMS; THE MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION; ISSUED TOWN OF QUEEN CREEK SUPPLEMENTS TO THE MAG STANDARD SPECIFICATIONS AND DETAIL; AND REFERENCED TOWN OF QUEEN CREEK STANDARD DRAWINGS, INCLUDING ANY REFERENCED SUPPLEMENTS THERETO. IN EFFECT AT THE TIME OF PERMITTING UNLESS OTHERWISE NOTED, CERTAIN IMPROVEMENTS MAY BE REQUIRED TO CONFORM TO ALTERNATIVE OR ADDITIONAL STANDARDS, SPECIFICATIONS AND DETAILS AS NOTED ELSEWHERE IN THE PLANS AND/OR SPECIFICATIONS.
3.

ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THE NOTED STANDARDS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
4.

AN APPROVED (SIGNED-OFF) COMPLETE SET OF IMPROVEMENT PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLANS, UNLESS OTHERWISE SPECIFICALLY DIRECTED BY THE TOWN'S REPRESENTATIVE, MUST BE PRECEDED BY AN APPROVED PLAN REVISION OR SHALL BE SUBJECT TO A "STOP WORK ORDER" BY THE TOWN'S REPRESENTATIVE TO REMOVE ANY WORK THAT DOES NOT REFLECT THE APPROVED IMPROVEMENT PLANS.
5.

ALL PRECONSTRUCTION MEETINGS SHALL BE SCHEDULED THROUGH THE TOWN CIP DEPARTMENT.
6.

THE CONTRACTOR SHALL REQUEST AND THE TOWN SHALL PERFORM PERIODIC INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR A TOWN CONSTRUCTION INSPECTOR TO BE SUFFICIENTLY SCHEDULED AND PRESENT ON SITE TO ASSESS COMPLIANCE WITH THE PLANS AND SPECIFICATIONS FOR EACH CONSTRUCTION ELEMENT AND STAGE WHEN CONSTRUCTION IS IN PROGRESS BY PROVIDING THE TOWN APPROPRIATE NOTIFICATION. THE CONTRACTOR SHALL SIMILARLY COORDINATE, REQUEST AND PROVIDE FOR REQUIRED INSPECTIONS FROM OTHER AGENCIES OR UTILITIES FOR THE WORK AS NECESSARY.
7.

THE TOWN CIP INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE START OR RESUMPTION OF ANY CONSTRUCTION ON THE PROJECT SITE FOR SCHEDULING INSPECTIONS. THIS NOTIFICATION REQUIREMENT INCLUDES PRIOR TO STARTING DIFFERENT STAGES OF THE WORK. IF PROJECT WORK IS DISCONTINUED FOR MORE THAN 72 HOURS FOR UNSCHEDULED WORK STOPPAGES, IT SHALL NOT RESUME UNTIL AFTER NOTIFYING THE TOWN CIP INSPECTOR.
8.

PROGRESS INSPECTIONS AND ANY INTERIM APPROVALS, VERBAL OR WRITTEN, DO NOT CONSTITUTE TOWN ACCEPTANCE OR APPROVAL OF ANY IMPROVEMENTS FOR MAINTENANCE.
9.

THE DESIGN ENGINEER CERTIFIES THAT ALL APPLICABLE UTILITY COMPANIES HAVE BEEN CONTACTED AS NOTED AND ALL UTILITY PROVIDED EXISTING AND/OR PROPOSED UTILITY INFORMATION, AS LABELED, IS SHOWN ON THESE PLANS TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. NO HORIZONTAL OR VERTICAL LOCATION ACCURACY OR COMPLETENESS WARRANTY IS IMPLIED OR GIVEN.
10.

THE CONTRACTOR SHALL LOCATE IN ADVANCE OF CONSTRUCTION ALL EXISTING UNDERGROUND PIPELINES, STORM DRAINS, CULVERTS, TELECOMMUNICATIONS AND ELECTRICAL CONDUITS, TRAFFIC SIGNAL INTER-TIES, ASSOCIATED APPURTENANCES AND STRUCTURES AND WILL OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID DAMAGE TO SAME DURING CONSTRUCTION.
11.

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING INDIVIDUAL UTILITY COMPANIES AND FOR CALLING ARIZONA 811 (FORMERLY BLUE STAKE), DIAL 811, 602-263-1100 (IN MARICOPA COUNTY) OR 1-800-782-5348 (1-800-STAKE-IT), TO MARK AND LOCATE ALL UNDERGROUND UTILITIES AT LEAST TWO WORKING DAYS PRIOR TO ANY EXCAVATION.
12.

THE CONTRACTOR SHALL UNCOVER AND FIELD VERIFY THE CONNECTION POINT LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES, CULVERTS, STUB OUTS, MANHOLES AND STORM DRAINS BEING EXTENDED FROM OR CONNECTED TO IN ADVANCE OF SUBSTANTIAL CONSTRUCTION ACTIVITIES.
13.

THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, SEWER MANHOLES AND CLEANOUTS, AND UTILITY VALVES AND VAULTS MUST BE KNOWN AND REFERENCED AT ALL TIMES DURING CONSTRUCTION. ACCESS TO SUCH FACILITIES SHALL BE AVAILABLE TO THE APPROPRIATE UTILITY COMPANIES, TOWN UTILITY DEPARTMENT, PUBLIC SAFETY PROVIDERS AND THE TOWN PUBLIC WORKS DEPARTMENT AT ALL TIMES.
14.

EXISTING FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND/OR HORIZONTAL CONTROL INFORMATION ARE LOCATED ONLY APPROXIMATELY AND TO THE BEST AVAILABLE KNOWLEDGE.
15.

UNDERGROUND UTILITY LOCATING POTHOLEs SHALL BE BACKFILLED AND REPAIRED IN ACCORDANCE WITH MAG STANDARD DETAIL 212 USING THE ½ SACK CLSM OPTION. ALL LOOSE MATERIALS SHALL BE CONDITIONED, PLACED AND COMPACTED IN ACCORDANCE WITH THE NOTED SPECIFICATIONS.
16.

THE CONTRACTOR SHALL PROMPTLY NOTIFY THE TOWN CIP INSPECTOR OF ANY OBSERVED OR DISCOVERED VARIANCES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS. THIS INCLUDES OBSTRUCTIONS TO THE PROPOSED IMPROVEMENTS. ANY EXISTING IMPROVEMENTS REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AS PART OF THE WORK UNLESS OTHERWISE NOTED OR AGREED.
17.

THE CONSTRUCTION LIMITS SHALL BE ADEQUATELY STAKED, FENCED, MARKED, AND SIGNED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY PROPERTY LINE, RIGHT-OF-WAY AND EASEMENT LOCATIONS PRIOR TO PROCEEDING WITH SUBSTANTIAL WORK ACTIVITIES.
18.

ALL UTILITIES MUST BE INSTALLED EITHER WITHIN DEDICATED PUBLIC RIGHTS-OF-WAY OR IN PUBLIC OR SPECIFIC UTILITY EASEMENTS DEDICATED BY A LANDOWNER FOR SUCH USAGE AND MAINTENANCE.
19.

ALL EARTHWORK, TRENCHING AND PAVEMENT CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT FINDINGS AND RECOMMENDATIONS PREPARED BY TERRACON CONSULTING DATED AUGUST 2022. ALL COMPACTION UNDER PAVEMENT AREAS SHALL BE PERFORMED ACCORDING TO THE GEOTECHNICAL REPORT RECOMMENDATIONS AND THE APPLICABLE MAG SPECIFICATIONS AND DETAILS.
20.

ALL TRENCH EXCAVATIONS SHALL COMPLY WITH OSHA EXCAVATION STANDARDS REQUIREMENTS (29 CFR, PART 1926, SUBPART P). CONTRACTORS SHALL NOT WORK IN A TRENCH LOCATED WITHIN THE TOWN'S RIGHT-OF-WAY OR UTILITY EASEMENTS WITHOUT PROPER SHORING OR EXCAVATION METHODS.
21.

THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON AND AROUND THE CONSTRUCTION SITE. AT LEAST TEN (10) WORKING DAYS PRIOR TO CONSTRUCTION OR A NEW TASK REQUIRING TRAFFIC RESTRICTION, A TRAFFIC CONTROL PLAN FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND EASEMENTS SHALL BE PROVIDED TO THE TOWN TRAFFIC ENGINEER FOR REVIEW AND APPROVAL.
22.

WORK ZONE PLANNING AND TEMPORARY TRAFFIC CONTROL SHALL ACCOUNT FOR PAVEMENT EDGE DROP-OFFS IF THEY WILL BE PRESENT DURING THE WORK. PAVEMENT EDGE DROP-OFFS OF 2 INCHES OR LESS SHALL HAVE A 3:1 SLOPE CONSTRUCTED AT THE DROP OFF EDGE AND UNEVEN LANES (W8-11) OR SHOULDER DROP OFF (W8-17) WARNING SIGNS MAY BE ERECTED. VERTICAL PAVEMENT EDGE DROP OFFS GREATER THAN 2 INCHES SHALL HAVE CONCRETE OR WATER FILLED BARRIERS AND UNEVEN LANES (W8-11) OR SHOULDER DROP OFF (W8-17) WARNING SIGNS ERECTED OR OTHER MEASURES AS DIRECTED BY THE TOWN TRAFFIC ENGINEER.
23.

NEITHER THE DESIGN ENGINEER NOR THE TOWN WILL BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
24.

CONSTRUCTION MATERIALS AND PROCEDURE TESTING FOR EACH ELEMENT AND STAGE OF THE PROJECT SHALL BE PERFORMED DURING THE CONSTRUCTION BY A QUALIFIED TESTING FIRM RETAINED AND COMPENSATED BY THE CONTRACTOR. TEST METHODS AND FREQUENCIES SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS AND OF SUFFICIENT NUMBER TO DEMONSTRATE THE
- CONSTRUCTION COMPLETENESS AND ADEQUACY WITH REGARD TO MEETING OR EXCEEDING THE APPROPRIATE PLAN REQUIREMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH COPIES OF THE TEST RESULTS TO THE TOWN IN A TIMELY MANNER TO ALLOW FOR TOWN REVIEW AND TIMELY ACTION REGARDING THE RESULTS. THE TOWN RESERVES THE RIGHT TO CONDUCT ITS OWN TESTING TO VERIFY AND ASSURE THE RESULTING CONSTRUCTION MEETS OR EXCEEDS THE DESIGN PLAN REQUIREMENTS AND SPECIFICATIONS.

25.

THE CONTRACTOR SHALL NOTIFY THE TOWN PUBLIC WORKS DEPARTMENT OF COMPLETION OF ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHTS-OF-WAY PRIOR TO ANY STREET SUBGRADE PREPARATION WORK. INTERIM UTILITY AS-BUILT PLANS AND ALL TEST RESULTS SHALL BE SUBMITTED FOR TOWN REVIEW. UPON REVIEW AND APPROVAL OF THE SUPPLIED INFORMATION, THE CONTRACTOR MAY PROCEED WITH THE STREET IMPROVEMENTS INSTALLATION.

26.

THE CONTRACTOR SHALL SUBMIT WEEKLY PROGRESS REPORTS TO THE TOWN PUBLIC WORKS DEPARTMENT THROUGHOUT THE CONSTRUCTION UNLESS OTHERWISE NOTED. THE PROGRESS REPORTS SHALL INCLUDE THE RESULTS OF ALL TESTS TAKEN DURING THAT WEEK AND ANY PREVIOUS TEST RESULTS THAT HAVE BECOME AVAILABLE.

27.

IMPROVEMENT PLANS SHALL BE PREPARED UPON 22" X 34" PLAN SHEETS TO ALLOW FOR SCALABLE 11" X 17" REDUCED SIZE PLAN SETS.

28.

ACCEPTANCE OF THE COMPLETED IMPROVEMENTS WILL NOT BE GIVEN UNTIL AS-BUILT RECORD DRAWINGS IN ADOBE® PDF ELECTRONIC FORMAT IMAGES AND AUTOCAD FILES ON CD OR DVD ARE SUBMITTED TO AND APPROVED BY THE TOWN.

29.

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH TOWN REQUIREMENTS PRIOR TO APPROVAL AND ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE TOWN FROM REQUIRING CORRECTION OF PLAN ERRORS OR OVERSIGHTS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.

ENVIRONMENTAL QUALITY NOTES

1.

THE CONTRACTOR SHALL PREPARE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), FILE THE NOTICE OF INTENT (N.O.I.) WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND SHALL BE THE PERMITTEE AND OPERATOR FOR THE PROJECT.

2.

THE ARIZONA CONSTRUCTION GENERAL PERMIT, ASSOCIATED CONDITIONS AND RELATED FORMS AND NOTICES ARE AVAILABLE ONLINE AT WWF.ADEQ.GOV IN THE WATER QUALITY DIVISION.

3.

A COPY OF THE APPROVED IMPROVEMENT PLANS FOR THIS PROJECT, TOGETHER WITH COPIES OF THE NOTICE OF INTENT (N.O.I.), THE ARIZONA GENERAL CONSTRUCTION PERMIT OR INDIVIDUAL PERMIT AND ASSOCIATED CONDITIONS, THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE POLLUTION CONTROL MEASURE MAINTENANCE AND STORM EVENT RECORDS SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW.

4.

POLLUTION PREVENTION AND CONTROL MEASURES MAY BE MOVED, REMOVED OR INSTALLED IN PHASES THROUGHOUT AND DURING CONSTRUCTION AS PART OF THE SWPPP.

5.

WHEREVER POSSIBLE, THE CONTRACTOR IS ENCOURAGED TO MAINTAIN EXISTING VEGETATION AND SURFACING FOR EROSION / SILT CONTROL.

6.

THE STORM WATER POLLUTION PREVENTION MEASURES AND FACILITIES SHOWN WITHIN AND ON THE SWPPP MUST BE INSTALLED OR CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ANY LAND SURFACE DISTURBANCE CONSTRUCTION ACTIVITIES TO ENSURE THAT SEDIMENT OR POLLUTION -LADEN RUNOFF DOES NOT LEAVE THE CONSTRUCTION SITE OR ENTER THE MUNICIPAL DRAINAGE SYSTEM IN VIOLATION OF APPLICABLE WATER STANDARDS.

7.

THE CONTRACTOR / PERMITTEE / OPERATOR, IN ACCORDANCE WITH THE ARIZONA CONSTRUCTION GENERAL PERMIT REQUIREMENTS, SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF AN ACTIVE CONSTRUCTION SITE ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF PRECIPITATION EVENTS AT THE SITE EQUAL TO OR GREATER THAN ONE HALF INCH OR MORE. EVERY 7 DAYS IF WITHIN A ½ MILE OF AN IMPAIRED WATERWAY. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWPPP CONTROLS AND NOTE ANY EROSION OR SEDIMENT PROBLEM AREAS. A COPY OF SUCH REPORTS SHALL BE SUBMITTED TO THE CIP INSPECTOR FOR REVIEW WITHIN 48 HOURS OF THE EVENT.

8.

THE CONTRACTOR / PERMITTEE / OPERATOR SHALL AMEND THE SWPPP PLAN AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ISSUES WITH ANY PROBLEM AREAS THAT BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RUNOFF EVENTS.

9.

STORM WATER POLLUTION PREVENTION MEASURES AND FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE CONTINUED FUNCTIONING DURING PRECIPITATION EVENTS. ALL TEMPORARY EROSION AND SILTATION CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL CONSTRUCTION AND FINAL SURFACE STABILIZATION IS COMPLETED.

10.

THE OPERATOR SHALL FILE A NOTICE OF TERMINATION (N.O.T.) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS (FINAL SURFACE STABILIZATION). A COPY OF THE N.O.T. SHALL BE SUBMITTED TO THE TOWN PUBLIC WORKS DEPARTMENT TO CLOSE OUT THE ENCROACHMENT PERMIT.

11.

THE OPERATOR SHALL SAVE ALL SWPPP RELATED RECORDS, INCLUDING THE PERMIT COPY, N.O.I., SWPPP DOCUMENTS, N.O.T., AND THE INSPECTION/EVENT/ MAINTENANCE REPORTS ON FILE FOR A MINIMUM OF THREE YEARS FROM THE N.O.T. FILING DATE.

12.

THE CONTRACTOR / OPERATOR SHALL NOTIFY THE CIP INSPECTOR WITHIN 24 HOURS OF ANY ADEQ / USEPA INSPECTIONS.

13.

THE CONTRACTOR / OPERATOR SHALL FURNISH A COPY OF THE SWPPP DOCUMENTS AND N.O.I. AND REQUEST A TOWN INSPECTION OF THE POLLUTION PREVENTION MEASURES, IN ACCORDANCE WITH ESTABLISHED TOWN PROCEDURES, AT THE BEGINNING OF EACH PROPOSED SWPPP / CONSTRUCTION PHASE OR STAGE TO ASCERTAIN COMPLIANCE WITH THE PLAN

14.

THE CONTRACTOR SHALL OBTAIN A DUST CONTROL PERMIT AND PROVIDE ADEQUATE AND APPROPRIATE DUST CONTROL MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS AND FUGITIVE DUST. THE CONTRACTOR SHALL POST THE REQUIRED AIR QUALITY NOTICE SIGN AT AN AGREED UPON LOCATION WITHIN THE PROJECT LIMITS.

PROJECT PAVING NOTES

1.

ALL UNDERGROUND UTILITY AND STORM DRAIN INSTALLATION IN STREETS, PUBLIC ACCESS WAYS OR SURFACED EASEMENTS SHALL BE CONSTRUCTED PRIOR TO SURFACING SUCH STREETS, ACCESS WAYS OR EASEMENTS.

2.

PAVEMENT BASE COURSE MATERIALS SHALL NOT BE PLACED ON SUBGRADE UNTIL SUBGRADE IMPROVEMENTS HAVE BEEN COMPLETED, TESTED AND AUTHORIZATION TO PROCEED HAS BEEN GIVEN BY THE CIP INSPECTOR.

3.

NO PAVEMENT, CURB OR SIDEWALK CONSTRUCTION SHALL BE STARTED UNTIL ALL UNDERGROUND UTILITY CONSTRUCTION WITHIN THE RIGHT-OF-WAY AND ADJACENT EASEMENTS IS COMPLETED UNLESS OTHERWISE AGREED TO BY THE TOWN.

4.

EXACT POINT OF MATCHING, TERMINATION, MILLING AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE CIP INSPECTOR. VARIANCES FROM THE PLAN SO MADE SHALL BE NOTED BY THE CONTRACTOR ON THE AS-BUILT RECORD DRAWINGS.

5.

CONSTRUCTION STAKING SHALL INCLUDE:

A.

RIGHT-OF-WAY LINES AT 100' INTERVALS,

B.

PRE-GRADE AND REFERENCE CONTROL AS NECESSARY,

C.

CULVERT, STORM DRAIN AND DITCH INVERTS AT 50' INTERVALS, STRUCTURES, BRANCHES, CHANGES IN PIPE DIAMETERS AND BREAKS IN GRADE,

D.

STRUCTURE LOCATION, ELEVATIONS AND GRADES AS NECESSARY TO ACCURATELY CONSTRUCT,

E.

BLUE TOP SUBGRADE AT CENTERLINE AND UNCURRED EDGE OF PAVEMENT AT 50' INTERVALS,

F.

BLUE TOP A.B.C. AT CENTERLINE AND UNCURRED EDGE OF PAVEMENT AT 50' INTERVALS AND AT CURB RETURN 1/4 POINTS,

G.

CONCRETE CURB AND GUTTER AT 50' INTERVALS MAXIMUM IN TANGENT SECTIONS; 25' MAXIMUM INTERVALS IN HORIZONTAL OR VERTICAL CURVES AND ALL LONGITUDINAL GRADES LESS THAN 0.5%; AND AT THE P.C. AND 1/4 POINTS OF CURB RETURNS,

H.

PROVIDING STRADDLE POINTS FOR ALL PERMANENT SURVEY MONUMENTS,

I.

PUNCHING ALL SURVEY MONUMENT CAPS AFTER SETTING.

6.

CURB GUTTERS AND VALLEY GUTTERS SHALL BE WATER TESTED IN THE PRESENCE OF THE CIP INSPECTOR.

7.

BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH TOWN OF QUEEN CREEK SUPPLEMENTAL STANDARD DETAIL R-130 ON THE COMPLETED STREET PAVEMENT AT ALL FIRE HYDRANT LOCATIONS.

8.

STREET NAME SIGNS SHALL BE INSTALLED AS NOTED IN THE SIGNING AND MARKING PLANS.

9.

NO PROJECT WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS AND ALL SURVEY MONUMENTS ARE INSTALLED ACCORDING TO THE PLANS AND SPECIFICATIONS.

10.

DETECTABLE WARNINGS ON SIDEWALK RAMPS AND PATHWAYS SHALL BE PROVIDED USING NEENAH FOUNDRY DETECTABLE WARNING PLATES, CATALOG NUMBER 4984, VARIOUS SIZES AND SHAPES ARE AVAILABLE TO FIT MULTIPLE SITUATIONS. PAINTING IS NOT REQUIRED.

QUEEN CREEK GRADING AND DRAINAGE NOTES

1.

THE CONTRACTOR SHALL PROVIDE GRADING FOR POSITIVE DRAINAGE IN ALL RETENTION BASINS AT THE ELEVATIONS AS SHOWN ON THE PLANS. BASINS SHALL BE GRADED TO DRAIN TOWARD DRYWELLS (WHEN USED) OR OUTLETS. MAXIMUM BASIN SIDE SLOPES SHOWN ON PLANS.

2.

DRYWELL INLET GRATES SHALL BE AT FINISH GRADE AT THE BOTTOM OF THE RETENTION BASIN.

3.

DRILLING LOGS FOR DRY WELLS SHALL BE FURNISHED TO THE PROJECT MANAGER AND DESIGNATED INSPECTOR PRIOR TO FINAL ACCEPTANCE.

4.

PERCOLATION TESTS FOR COMPLETED RETENTION BASINS ARE REQUIRED PRIOR TO ACCEPTANCE. IF INSUFFICIENT PERCOLATION RATE SOILS ARE ENCOUNTERED, ADDITIONAL DRYWELLS OR AN ALTERNATIVE METHOD OF STORM WATER RUN-OFF DISPOSAL MAY BE REQUIRED.

5.

DRYWELL CONSTRUCTION SHALL BE DONE ONLY BY CONTRACTORS LICENSED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY FOR SUCH WORK.

6.

ALL DRYWELLS ARE REQUIRED TO BE REGISTERED WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY. THE APPROVED DRYWELL REGISTRATION SHALL BE SUBMITTED TO THE TOWN PUBLIC WORKS REPRESENTATIVE AND DESIGNATED INSPECTOR BY THE CONTRACTOR AT THE TIME AS-BUILT DRAWINGS ARE SUBMITTED.

7.

A PAD COMPACTION CERTIFICATION SHALL BE SUBMITTED TO THE PROJECT MANAGER AND CIP INSPECTOR PRIOR TO ANY BUILDING CONSTRUCTION ASSOCIATED WITH THESE IMPROVEMENT PLANS.

8.

SURVEYOR CERTIFICATION OF BUILDING PAD ELEVATIONS ASSOCIATED WITH THIS PROJECT (IF ANY) SHALL BE SUBMITTED PRIOR TO PLACING CONCRETE FLOORS.

9.

ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, PIPES, OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS OR PROPERTY FROM STORMWATER RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.

10.

PROJECT AREAS OVER WHICH FILLS ARE TO BE PLACED SHALL BE CLEARED OF ALL TRASH, TREES, STUMPS, DEBRIS OR OTHER DELETERIOUS MATERIAL NOT SUITABLE AS A FOUNDATION FOR FILL.

11.

DISTURBED GROUND AREAS SHALL BE RE-VEGETATED, SURFACED OR MULCHED AS DIRECTED HEREIN OR BY THE ASSOCIATED LANDSCAPE PLANS UNLESS OTHERWISE NOTED. EXISTING VEGETATION DISTURBED BY CONSTRUCTION SHALL BE SALVAGED AND RELOCATED IF SO NOTED.

12.

ALL DRAINAGE SWALES SHALL BE FREE OF TRASH, DELETERIOUS MATERIAL, SILT, UNSPECIFIED VEGETATION, AND DEBRIS UPON COMPLETION AND ACCEPTANCE.


13.

DROPS IN ELEVATION OF 30 INCHES OR MORE AT GRADES STEEPER THAN 4:1 WITHIN THREE FEET ADJACENT TO TRAILS OR SIDEWALKS SHALL BE PROTECTED BY SAFETY RAIL THAT IS AASHTO AND ADA COMPLIANT.


ABBREVIATIONS

ABC	AGGREGATE BASE COURSE
AC	ASPHALT CONCRETE
AP	ANGLE POINT
BARHH FD	REBAR FOUND IN HAND HOLE
BCH FD	BRASS CAP FOUND
BCHH FD	BRASS CAP IN HAND HOLE FOUND
BCR	BEGIN CURB RETURN
CATV	CABLE TV
CIP	CAPITAL IMPROVEMENT PROJECT
CL	CENTERLINE
CMU	CONCRETE MASONRY UNIT
CTL	CENTURY LINK
CONC	CONCRETE
CST	CONSTRUCTION
DE	DRAINAGE EASEMENT
DET/DTL	DETAIL
DG	DECOMPOSED GRANITE
D/W	DRIVEWAY
DW L TCE	DRIVEWAY LETTER TEMP CONSTRUCTION EASEMENT
ECR	END CURB RETURN
ENT	ENTRANCE
EP	EDGE OF PAVEMENT
EXIST	EXISTING
F/C	FACE OF CURB
FH	FIRE HYDRANT
FT	FEET
G	GUTTER
GB	GRADE BREAK
GB-HP	GRADE BREAK-HIGH POINT
GB-LP	GRADE BREAK-LOW POINT
GV	GATE VALVE
IRR	IRRIGATION
ITS	INTELLIGENT TRANSPORTATION SYSTEM
LT	LEFT
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MOD	MODIFIED
NAVD	NORTH AMERICAN VERTICAL DATUM
NPI	NON-PAY ITEM
NTS	NOT TO SCALE
OT	OVERHEAD TELEPHONE
P	PAVEMENT
PC	POINT OF CURVE
PI	POINT OF TANGENT INTERSECTION
PIP	PROTECT IN PLACE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
PUE	PUBLIC UTILITY EASEMENT
PVC	POINT OF VERTICAL CURVE
R/W	RIGHT OF WAY
RBF HH	REBAR FOUND IN HAND HOLE
RGRC	RUBBER GASKET REINFORCED CONCRETE PIPE
RT	RIGHT
RTL	RIGHT TURN LANE
SW S/W	SIDEWALK
SDR	STANDARD DIMENSION RATIO
SRP	SALT RIVER PROJECT
STA	STATION
STD	STANDARD
STID	SAN TAN IRRIGATION DISTRICT
TCE	TOP OF CURB
TCC	TEMPORARY CONSTRUCTION EASEMENT
TOOC	TOWN OF QUEEN CREEK
TS	TRUE SLOPE
TWLT	TWO-WAY LEFT TURN LANE
UE	UNDERGROUND ELECTRIC
UNO	UNLESS NOTED OTHERWISE
VNAE	VEHICULAR NON-ACCESS EASEMENT
W/	WITH
WM	WATER METER

Contact Arizona 811 at least two full working days before you begin excavation

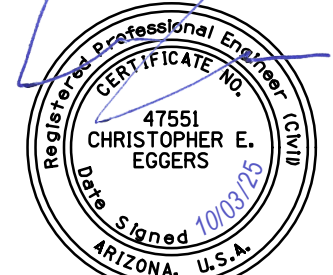


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TOWN OF

QUEEN CREEK



POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

GENERAL NOTES AND LEGEND

DESIGNED BY	MH	CIP PROJ NO. A1405	
DRAWN BY	BE		
DRAWING NO.		GN001	SHEET 4 OF 133

NOTE: CONFLICTS BETWEEN NOTES SHALL FOLLOW THE MORE STRINGENT REQUIREMENTS

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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TOWN OF QUEEN CREEK WATER GENERAL NOTES:

1. ALL WORK, TESTING AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE TOWN OF QUEEN CREEK DESIGN AND CONSTRUCTION STANDARDS MANUAL. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH STANDARDS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE TOWN OF QUEEN CREEK WATER DEPARTMENT REPRESENTATIVE SHALL HAVE FINAL AUTHORITY N ALL IMPROVEMENTS REGARDLESS OF THE PLANS AND/OR SPECIFICATIONS.
2. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH DEPARTMENT REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS IN PLANS SOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING PERMITS AND RENEWAL OF LAPSED PERMITS.
5. THE WATER DEPARTMENT APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OF THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND APPROVAL.
6. AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
7. DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL PERMANENT AND TEMPORARY EASEMENTS PRIOR TO BEGINNING CONSTRUCTION.
8. PRIVATE ON-SITE WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OD THE UNIFORM PLUMBING CODE AND THE LATEST REVISION OF THE UNIFORM FIRE CODE.
9. ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL INTERESTED UTILITY COMPANIES AND HAS TRANSFERRED ALL EXISTING AND/OR PROPOSED UTILITY LINES AND RELATED INFORMATION ONTO THESE PLANS.
10. THE ENGINEER SHALL CERTIFY THAT ALL WATER IMPROVEMENTS HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS.
11. THE ENGINEER SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN UTILITIES HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
12. THE CONTRACTOR SHALL ARRANGE TO PROVIDE ALL CONSTRUCTION STAKING REQUIRED FOR THE PROJECT.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, REMOVALS BY OTHERS, ETC.
14. ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PLACING OF ASPHALT SURFACE COURSE BY THE CONTRACTOR AS PER MAG STANDARD DETAIL 270 AND 422.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL 602-263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING.
16. CONTRACTOR WILL EXPOSE ALL TIE-IN POINTS TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.
17. THE TOWN OF QUEEN CREEK WATER DEPARTMENT IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL THE WATER DEPARTMENT PARTICIPATE IN THE COST OF UTILITY RECONSTRUCTION OR RELOCATION.
18. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTION AND TESTING. INSPECTIONS SHOULD BE COORDINATED WITH THE CIP INSPECTOR. INSPECTIONS ARE ON A DAY TO DAY FIRST COME FIRST SERVE BASIS. CONSTRUCTION CONCEALED WITHOUT THE REQUIRED INSPECTION SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
19. THE CONTRACTOR WILL FOLLOW GUIDELINES AND REGULATIONS SET FORTH BY OSHA. NEITHER THE ENGINEER OR THE TOWN WILL BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
20. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKEOFF QUANTITIES. QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY AND AS SUCH ARE NOT TO BE USED FOR BID PURPOSES.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
22. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON AND AROUND THE CONSTRUCTION SITE.
23. ALL WATER LINES SHALL HAVE 48" MINIMUM COVER AS SPECIFIED IN THE TOWN OF QUEEN CREEK WATER DEPARTMENT DESIGN STANDARDS AND CONSTRUCTION MANUAL.
24. CONTRACTOR MUST MAINTAIN SLOPE OF WATER LINES TO HIGH POINTS AT COMBINATION AIR VALVES OR LOW POINTS AT BLOW OFFS OR FIRE HYDRANTS.
25. IN ACCORDANCE WITH AAC R18-4-213, ALL MATERIALS ADDED AFTER JANUARY 1, 1993 WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61.
26. DUCTILE IRON PIPE WHEN REQUIRED SHALL BE THICKNESS CLASS 350.
27. SERVICE CONNECTION BACK-FLOWS PREVENTORS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
28. FIRE HYDRANTS SHALL RECEIVE 2 FIELD COATS FOR YELLOW(PUBLIC) OR RED(PRIVATE) PAINT PRIOR TO ACCEPTANCE OF WORK BY THE WATER DEPARTMENT.
29. DEVELOPER IS TO INSTALL ALL TAPS AND METER BOXES. REFER TO THE WATER DEPARTMENT DESIGN AND CONSTRUCTION STANDARDS MANUAL FOR CLARIFICATION ON METER BOX LOCATION AND REQUIRED MATERIALS.
30. METERS SHALL BE FURNISHED AND INSTALLED BY THE DEPARTMENT.
31. PAVEMENT REPLACEMENT AND TRENCH REPAIR SHALL BE DONE TO MAG STANDARD SPECIFICATIONS AND DETAILS.
32. ALL WATER SERVICES CONNECTIONS SHALL BE EXTENDED TO THE PROPOSED METER LOCATIONS AS INDICATED ON THE PLANS SUCH THAT ADDITIONAL EXTENSION WILL NOT BE REQUIRED.
33. IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL"AS-BUILT" PLANS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE WATER DEPARTMENT.

TOWN OF QUEEN CREEK SEWER GENERAL NOTES:

1. ALL WORK, TESTING AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE TOWN OF QUEEN CREEK DESIGN AND CONSTRUCTION STANDARDS MANUAL. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH STANDARDS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE TOWN OF QUEEN CREEK WATER DEPARTMENT REPRESENTATIVE SHALL HAVE FINAL AUTHORITY ON ALL IMPROVEMENTS REGARDLESS OF THE PLANS AND/OR SPECIFICATIONS.
2. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH DEPARTMENT REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS IN PLANS SOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING PERMITS AND RENEWAL OF LAPSED PERMITS.
5. THE SEWER DEPARTMENT APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OF THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND APPROVAL.
6. AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
7. DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL PERMANENT AND TEMPORARY EASEMENTS PRIOR TO BEGINNING CONSTRUCTION.
8. PRIVATTE ON-SITE SEWER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE UNIFORM PLUMBING CODE.
9. ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL INTERESTED UTILITY COMPANIES AND HAS TRANSFERRED ALL EXISTING AND/OR PROPOSED UTILITY LINES AND RELATED INFORMATION ONTO THESE PLANS.
10. THE ENGINEER SHALL CERTIFY THAT ALL SEWER IMPROVEMENTS HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS.
11. THE ENGINEER SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN UTILITIES HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
12. THE CONTRACTOR SHALL ARRANGE TO PROVIDE ALL CONSTRUCTION STAKING REQUIRED FOR THE PROJECT.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, REMOVALS BY OTHERS, ETC.
14. ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PLACING OF ASPHALT SURFACE COURSE BY THE CONTRACTOR AS PER MAG STANDARD DETAIL 270 AND 422.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL 602-263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING.
16. CONTRACTOR WILL EXPOSE ALL TIE-IN POINTS TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.

17. THE TOWN OF QUEEN CREEK WATER DEPARTMENT IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL THE SEWER DEPARTMENT PARTICIPATE IN THE COST OF UTILITY RECONSTRUCTION OR RELOCATION.
18. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTION AND TESTING. INSPECTIONS SHOULD BE COORDINATED WITH DERRICK KIRKPATRICK (480) 204-3268. INSPECTIONS ARE ON A DAY TO DAY FIRST COME FIRST SERVE BASIS. CONSTRUCTION CONCEALED WITHOUT THE REQUIRED INSPECTION SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
19. THE CONTRACTOR WILL FOLLOW GUIDELINES AND REGULATIONS SET FORTH BY OSHA. NEITHER THE ENGINEER OR THE TOWN WILL BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
20. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKEOFF QUANTITIES. QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY AND AS SUCH ARE NOT TO BE USED FOR BID PURPOSES.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
22. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON AND AROUND THE CONSTRUCTION SITE.
23. ALL WATER LINES SHALL HAVE 48" MINIMUM COVER AS SPECIFIED IN THE TOWN OF QUEEN CREEK WATER DEPARTMENT DESIGN STANDARDS AND CONSTRUCTION MANUAL.
24. PAVEMENT REPLACEMENT AND TRENCH REPAIR SHALL BE DONE TO MAG STANDARD SPECIFICATIONS AND DETAILS.
25. IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL"AS-BUILT" PLANS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE SEWER DEPARTMENT.
26. ALL MANHOLES (PUBLIC AND PRIVATE) THAT ARE NOT REQUIRED TO BE POLYMER BY TOQC SHALL BE COATED PER SECTION 6.9.1 IN THE TOWN OF QUEEN CREEK DESIGN AND CONSTRUCTION STANDARDS MANUAL.

SRP POWER NOTES

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT SRP SAFETY SERVICES TO ARRANGE FOR A SAFETY MEETING REGARDING WORKING UNDER TRANSMISSION LINES. THE CONTACT NUMBER FOR SRP SAFETY SERVICES IS 602-236-8117.
2. NO STORING OF EQUIPMENT OR MATERIALS AT SRP POLE SETUP AREAS OR UNDER POWER LINES.
3. PROVIDE 24/7 ACCESS FOR SRP EQUIPMENT FOR SETUP AND MAINTENANCE DURING THE DURATION OF CONSTRUCTION FOR THE PROJECT.
4. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING POWER POLES DURING CONSTRUCTION ACTIVITIES.

IRRIGATION DISTRICT GENERAL NOTES

1. PRIOR TO CONSTRUCTION OF ANY STRUCTURE THAT ENCROACHES WITHIN A RECLAMATION PIPELINE OR CANAL ROW; AN ADVANCE WARNING OF AT LEAST 48 HOURS MUST BE GIVEN TO BOTH SANTAN OR RANCHO JARDINES FOR ALL CONSTRUCTION WITHIN THE IRRIGATION RIGHT-OF-WAY OR EASEMENT. PLEASE CONTACT THE FOLLOWING:

JIM MILLSPAUGH, RANCHO JARDINES DISTRICT MANAGER (480) 570-2643  
TODD ANGLE, SAN TAN GENERAL MANAGER (480) 988-3385
2. PRIOR TO CONSTRUCTION OF ANY STRUCTURE THAT ENCROACHES WITHIN A RECLAMATION PIPELINE OR CANAL ROW; OTHER THAN AN OVERHEAD CROSSING; A "POTHOLE EXCAVATION" SHOULD BE MADE TO DETERMINE THE LOCATIONS OF ANY EXISTING IRRIGATION FACILITIES AND THEIR APPURTENANT FEATURES THAT MAY BE AFFECTED. THE RESULTANT ELEVATION INFORMATION SHOULD BE DELINEATED ON THE PROFILE VIEW AND LABELED AS: POTHOLE ELEVATION XX.X SURFACE ELEVATION XX.X
3. CONSTRUCTION ACTIVITIES WILL BE MONITORED BY SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICT. DURING CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO NOTIFY SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICT AT LEAST 48 HOURS PRIOR; POTHOLE LOCATING OF THE EXISTING SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS PIPE, THE START OF EXCAVATION ACROSS SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS RIGHT-OF-WAY AND/OR SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS JOINT USE EASEMENT, UTILITY INSTALLATIONS UNDER OR OVER SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS RIGHT-OF-WAY AND CONNECTIONS BETWEEN SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS AND THE NEWLY CONSTRUCTED FACILITIES.
4. THE CONTRACTOR SHALL PROTECT ALL SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS STRUCTURES, FACILITIES AND RESOURCES FROM DAMAGE DURING CONSTRUCTION ACTIVITIES OCCURRING NEAR OR WITHIN THE SAN TAN AND RANCHO JARDINES IRRIGATION DISTRICTS RIGHT-OF-WAY OR JOINT USE EASEMENT.
5. A PRECONSTRUCTION SITE WALK SHALL BE SET UP WITH SAN TAN IRRIGATION TO DETERMINE AND DOCUMENT THE CONDITION OF THE PIPE AND AND ANY EXISTING LEAKS. ANY DAMAGE TO THE PIPES DURING CONSTRUCTION SHALL BE FIXED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN OR SAN TAN IRRIGATION DISTRICT.

COX COMMUNICATION NOTES

1. EXISTING COX PEDESTALS, POLES, AND VAULTS ARE WITHIN THE CONSTRUCTION AREA. CONTRACTOR SHALL LOCATE AND PROTECT IN PLACE.
2. FOR PROPOSED DEMOLITION AND GRADING ABOVE EXISTING COX FACILITIES. CONTRACTOR TO PROCEED WITH CAUTION AND PROTECT IN PLACE.
3. EXISTING COX FACILITIES (VAULTS, HANDHOLE, MANHOLES, FIBER CABINET, POWER SUPPLY AND/OR SURFACE MOUNTS) WITHIN THE PROJECT VICINITY BUT OUTSIDE OF IMMEDIATE CONSTRUCTION AREA, CONTRACTOR SHALL PROTECT IN PLACE.
4. WHEN CONSTRUCTION IS BELOW COX AERIAL FACILITIES, CONTRACTOR SHALL PROTECT IN PLACE.

LEGEND

PAVEMENT REPLACEMENT

TEMPORARY PAVEMENT REPLACEMENT (WATER PLANS)

NEW RIP-RAP

NEW GRAVEL

NEW CONCRETE

CATCH BASIN, CURB & GUTTER INLET

EXISTING UNDERGROUND FIBER OPTIC LINE

EXISTING ITS

EXISTING GAS LINE

EXISTING GAS LINE

EXISTING IRRIGATION LINE

EXISTING UNDERGROUND TELECOM LINE

EXISTING UNDERGROUND ELECTRICAL LINE

BENCHMARK

NEW SURVEY MONUMENT - M.A.G. DETAIL 120-1 TYPE "B"

NEW SURVEY MONUMENT - M.A.G. DETAIL 120-1 TYPE "A"

COMBINED CURB & GUTTER - M.A.G. DETAIL 220 TYPE "A"

NEW CONCRETE SIDEWALK - STD. DETAIL P230

NEW DRIVEWAY WITH DETACHED SIDEWALK. PER PLAN

NEW DRIVEWAY WITH ATTACHED SIDEWALK. PER PLAN

NEW CONCRETE SIDEWALK RAMP PER DETAIL ON PLANS

NEW CONCRETE SCUPPER

EXISTING IRRIGATION VALVE

EXISTING WATER LINE W/SIZE & TYPE (12" AND SMALLER)

EXISTING FIRE HYDRANT

NEW OR RELOCATED FIRE HYDRANT BY CONTRACTOR

NEW WATER VALVE

EXISTING WATER VALVE

EXISTING WATER METER

12" SS

EXISTING SANITARY SEWER LINE W/SIZE & TYPE (12" AND SMALLER)

EXISTING FENCE

18" SS

EXISTING SANITARY SEWER LINE W/SIZE & TYPE (GREATER THAN 12")

EXISTING DITCH

NEW PIPE FOR STORM DRAIN

EXISTING STORM DRAIN MANHOLE

EXISTING SEWER MANHOLE

EXISTING TELEPHONE MANHOLE

EXISTING COMM MANHOLE

EXISTING ELECTRICAL JUNCTION BOX

EXISTING COMMUNICATION JUNCTION BOX

EXISTING TRAFFIC JUNCTION BOX

EXISTING TELEPHONE PEDESTAL

EXISTING 6" STEEL GAS

EXISTING TRAFFIC SIGNAL POLE W/MAST ARM

EXISTING TRAFFIC SIGNAL

EXISTING STREET LIGHT

EXISTING STREET OR TRAFFIC SIGN

EXISTING UTILITY POLE W/LINE INDICATING WIRE DIRECTION

EXISTING TRAFFIC SIGNAL PULLBOX

SIGN POST

MAIL BOX

EXISTING POWER POLE DOWN GUY ANCHOR

NEW STREET LIGHT

EXISTING STREET LIGHT & POLE

EASEMENT LINE, SEE PLANS

EXISTING R/W LINE

NEW R/W LINE

PAVEMENT CENTER LINE OR MONUMENT LINE

FLOWLINE

EXISTING TREE

EXISTING PALM TREE

NOTE: CONFLICTS BETWEEN NOTES SHALL FOLLOW THE MORE STRINGENT REQUIREMENTS

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ARIZONA

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Professional Engineer

47551 CHRISTOPHER E. EGGERS

Sealed 10/03/2025

ARIZONA, U.S.A.

TOWN OF QUEEN CREEK

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

GENERAL NOTES AND LEGEND

DESIGNED BY MH

DRAWN BY BE

CIP PROJ NO. A1405

DRAWING NO. GN002

SHEET 5 OF 133

PROJECT NO. A1405, POWER ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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BASIS OF BEARING

WEST LINE OF NORTHWEST QUARTER OF SECTION 30, T,2 S., R.7E.  
GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, AZ  
BEARING = N00°01'15.22"E, A DISTANCE OF 2711.87'

BENCHMARKS

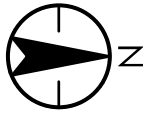
BRASS CAP IN HANDHOLE AT INTERSECTION OF OCOTILLO ROAD  
AND POWER ROAD, SOUTHWEST CORNER OF SECTION 18,  
TOWNSHIP 2 SOUTH. RANGE 7 EAST, ELEVATION = 1354.40'  
NAVD 88 VERTICAL DATUM

BRASS CAP IN HANDHOLE AT INTERSECTION OF EAST SAN TAN  
BOULEVARD AND POWER ROAD, WEST QUARTER CORNER OF  
SECTION 31, TOWNSHIP 2 SOUTH. RANGE 7 EAST, ELEVATION =  
1416.35' NAVD 88 VERTICAL DATUM

BRASS CAP IN HANDHOLE AT INTERSECTION OF MANDARIN  
DRIVE AND RIGGS ROAD, NORTH QUARTER CORNER OF SECTION  
31, TOWNSHIP 2 SOUTH. RANGE 7 EAST, ELEVATION =  
1391.67' NAVD 88 VERTICAL DATUM

DESIGN DATA

POWER ROAD  
CLASSIFICATION.....URBAN MINOR ARTERIAL  
DESIGN SPEED.....55 MPH  
AVERAGE DAILY TRAFFIC(ADT).....UNKNOWN  
CLEAR ZONE DISTANCE.....MINIMUM SIX- FEET (6')



CHANDLER HEIGHTS

RIGGS ROAD

POWER ROAD

BCHH FD  
N: 807614.3930  
E: 770700.5990  
POWER ROAD ALIGNMENT  
STA 154+26.55  
ELEV: 1389.84





RBF HH  
N: 810325.9580  
E: 770701.5680  
POWER ROAD ALIGNMENT  
STA 181+38.12  
ELEV: 1363.29

SEE BELOW FOR  
CONSTRUCTION &  
DETAIL

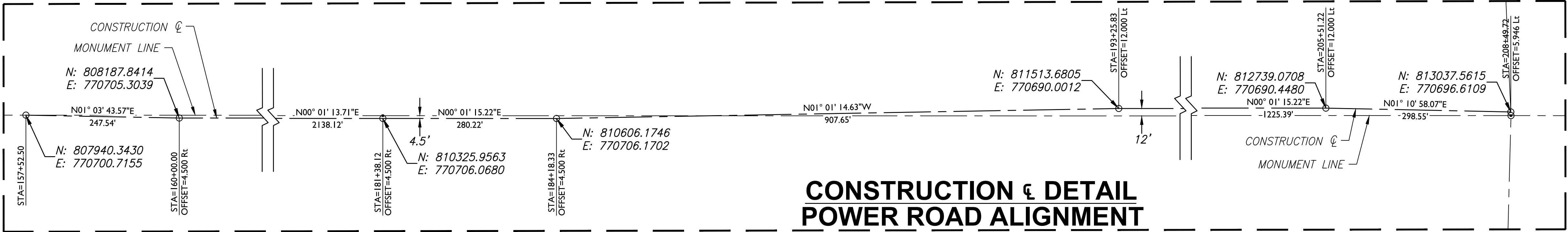
RBF HH  
N: 813037.8426  
E: 770702.5521  
POWER ROAD ALIGNMENT  
STA 208+50.00  
ELEV: 1354.83

BCH FD BM  
N: 818459.9100  
E: 770705.8960  
ELEV: 1354.40

NOTE: ALL STATIONING BASED ON MONUMENT ALIGNMENTS.

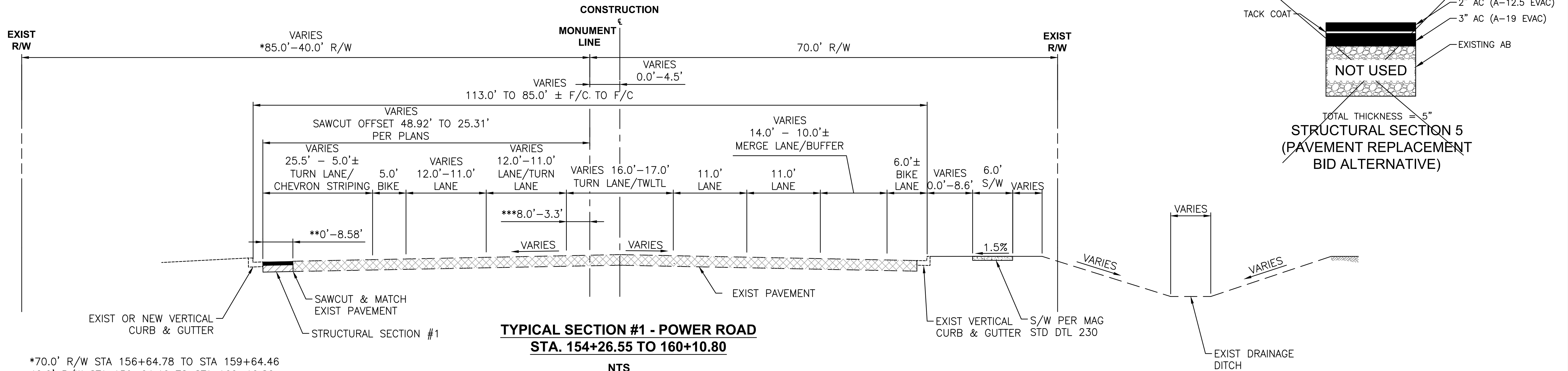
 Contact Arizona 911 at least two full working days before you begin excavation <b>ARIZONA</b> Call 911 or click Arizona911.com	 <b>TOWN OF QUEEN CREEK</b>
 17551 CHRISTOPHER E. EGGERS Signed 10/03/25 ARIZONA, U.S.A.	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS  3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com
GEOMETRIC CONTROL MAP	
DESIGNED BY MH	CIP PROJ NO. A1405
DRAWN BY BE	
DRAWING NO. GC001	SHEET 6 OF 133

CONSTRUCTION & DETAIL  
POWER ROAD ALIGNMENT

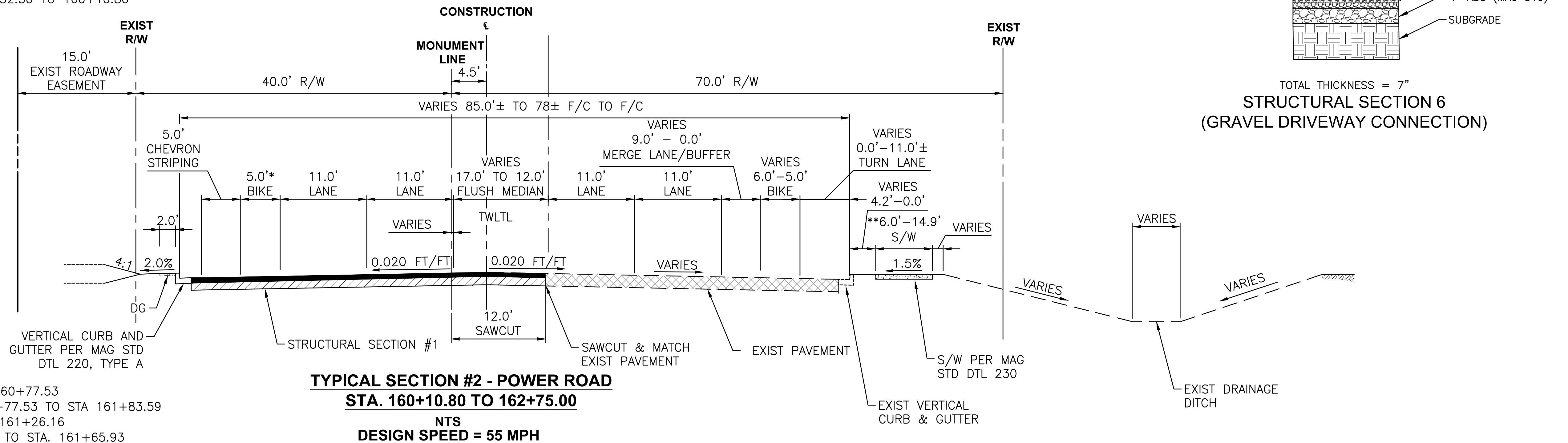




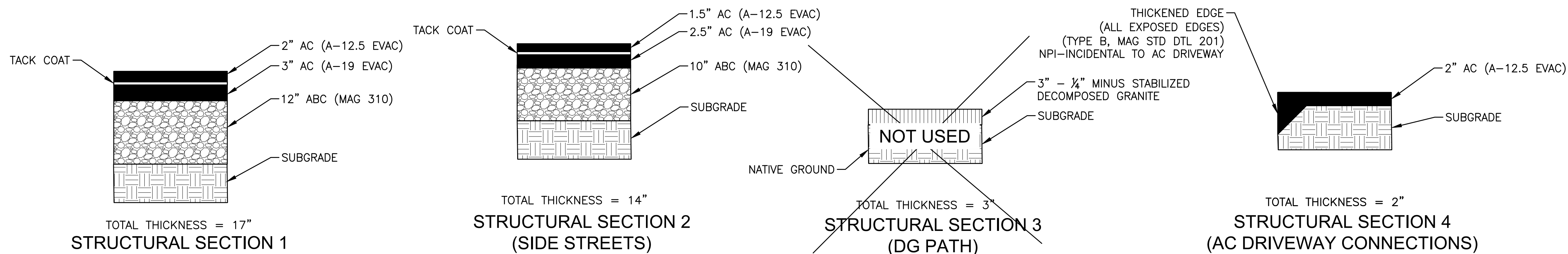
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\*70.0' R/W STA 156+64.78 TO STA 159+64.46  
\*40.0' R/W STA 159+64.46 TO STA 160+10.80  
\*\*0' STA 155+15.91 TO STA 158+21.11  
\*\*6' STA 158+21.11 TO STA 158+85.45  
\*\*\*8.0' STA 154+26.55 TO STA 157+52.50  
\*\*\*VARIES 8.0' TO 3.3' STA 157+52.50 TO 160+10.80



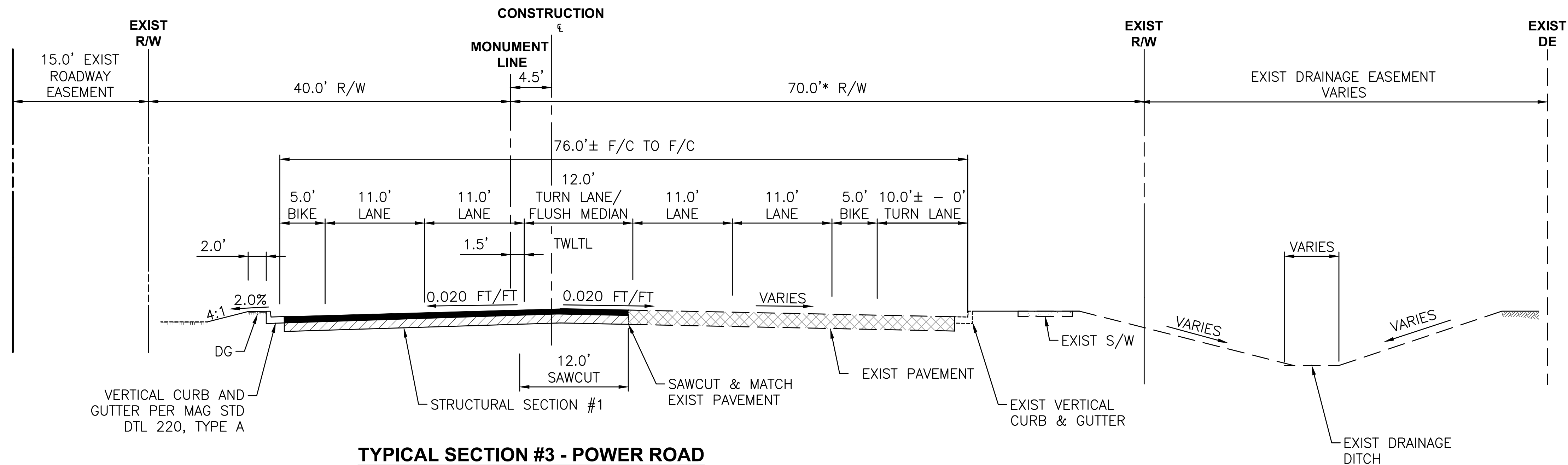
\*10.0' STA 160+10.80 TO STA 160+77.53  
\*VARIES 10.0 TO 17.2' STA 160+77.53 TO STA 161+83.59  
\*\*6.0' STA. 160+10.80 TO STA. 161+26.16  
\*\*6.0' TO 14.9' STA. 161+42.88 TO STA. 161+65.93



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<p><b>Professional Engineer</b></p> <p>17551 CHRISTOPHER E. EGGERS</p> <p>Sealed 10/03/2025</p> <p>ARIZONA, U.S.A.</p>		<p>POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS</p> <p>3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com</p> <p><b>Stantec</b></p>	
<p><b>TYPICAL SECTION POWER ROAD</b></p>			
<p>DESIGNED BY: MH</p> <p>DRAWN BY: BE</p>		<p>CIP PROJ NO. A1405</p>	
<p>DRAWING NO. TY001</p>		<p>SHEET 7 OF 133</p>	

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

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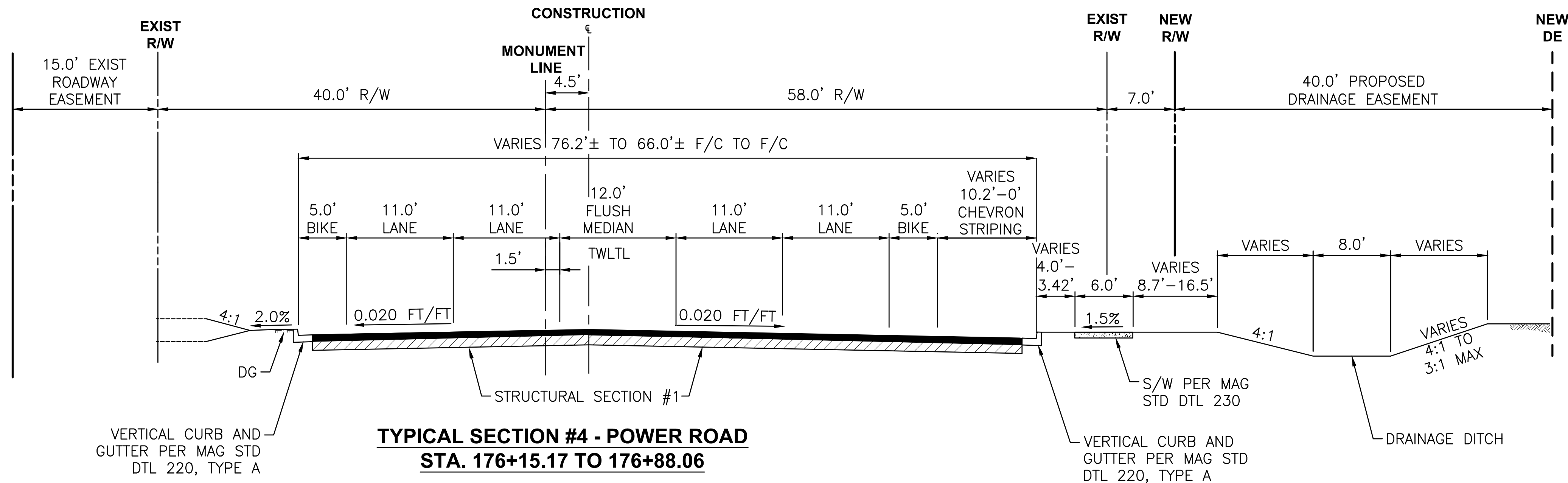


**TYPICAL SECTION #3 - POWER ROAD**  
**STA. 162+75.00 TO 176+15.17**

\*58.0' R/W STA 172+35.87 TO STA 176+15.17

NTS



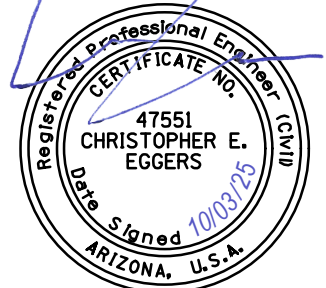

DESIGN SPEED = 55 MPH



**TYPICAL SECTION #4 - POWER ROAD**  
**STA. 176+15.17 TO 176+88.06**

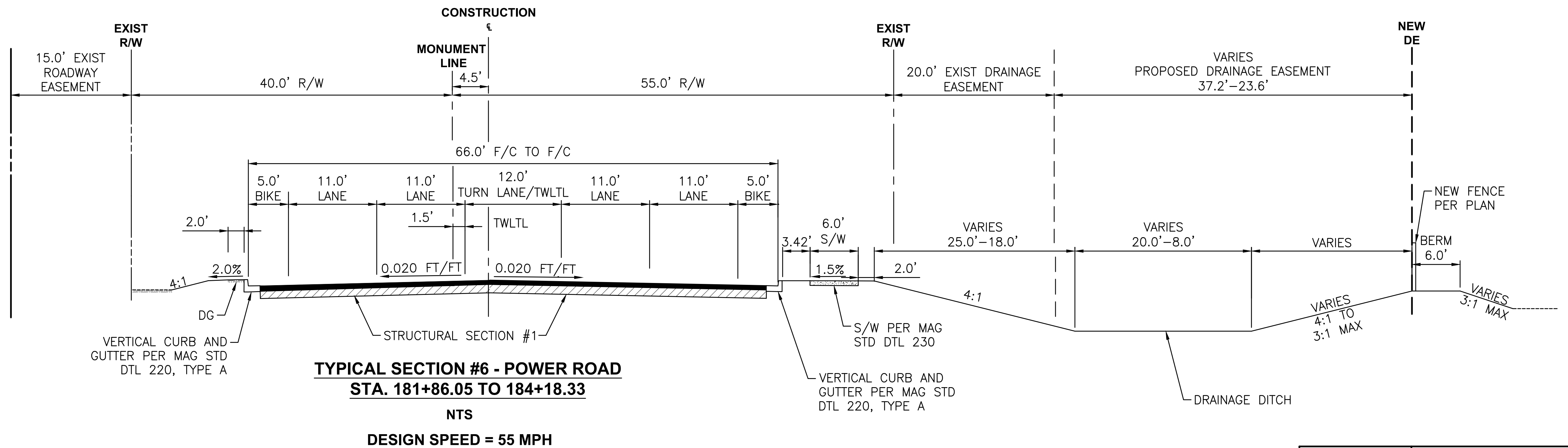
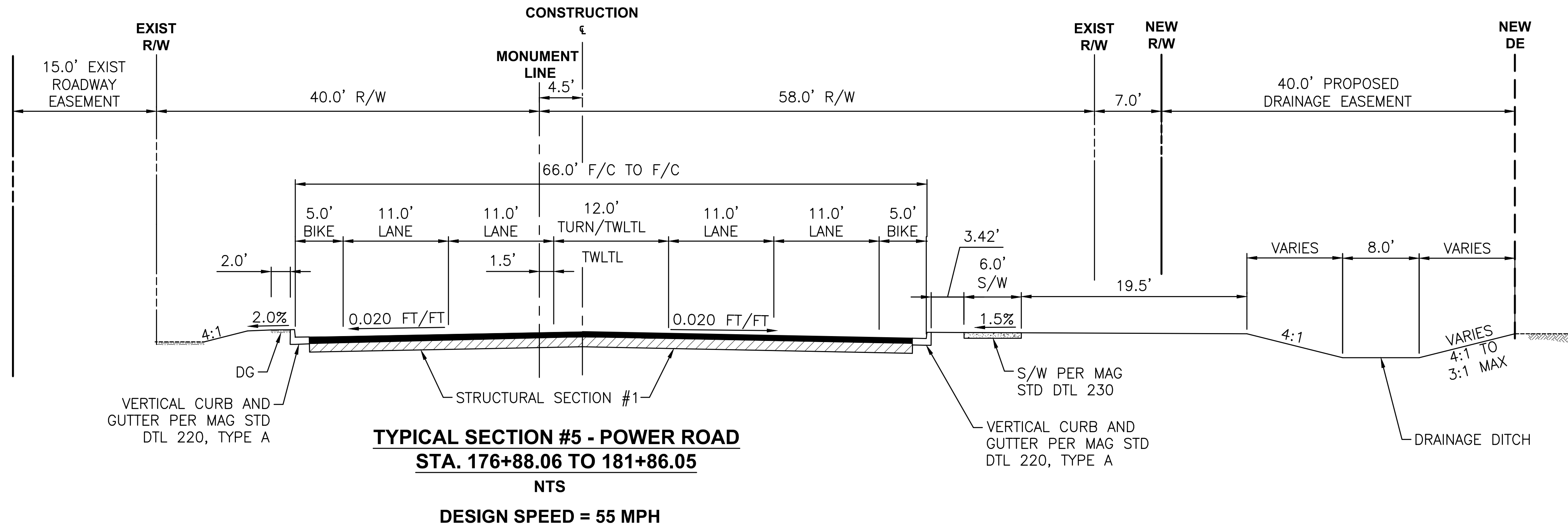
NTS





DESIGN SPEED = 55 MPH

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TYPICAL SECTION POWER ROAD	
DESIGNED BY: MH	CIP PROJ NO. A1405
DRAWN BY: BE	
DRAWING NO. TY002	SHEET 8 OF 133



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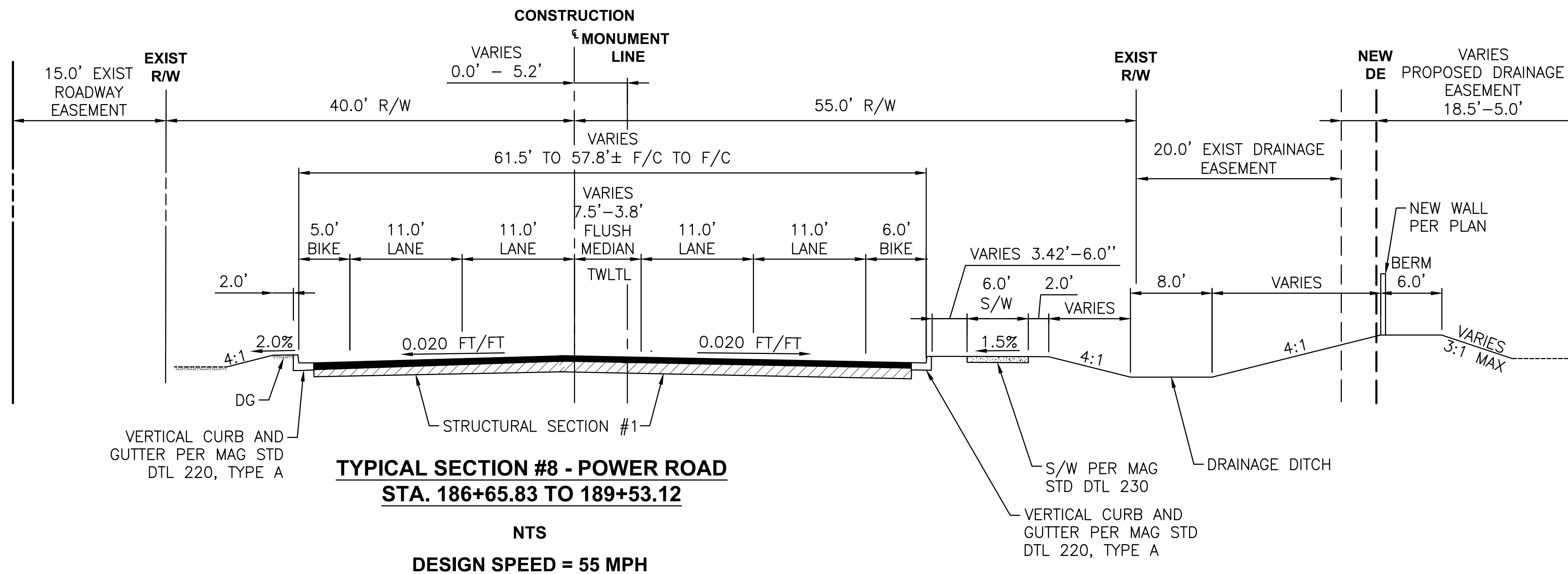
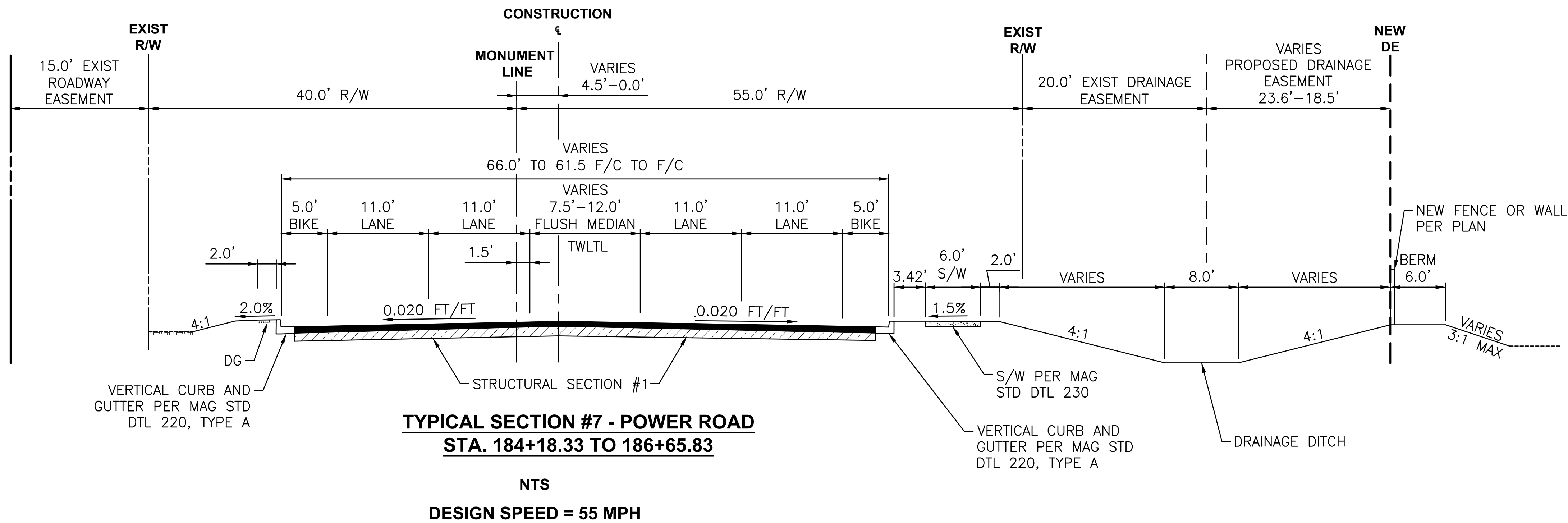




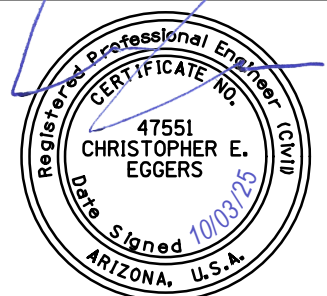

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TYPICAL SECTION POWER ROAD	
DESIGNED BY MH	CIP PROJ NO. A1405
DRAWN BY BE	
DRAWING NO. TY003	SHEET 9 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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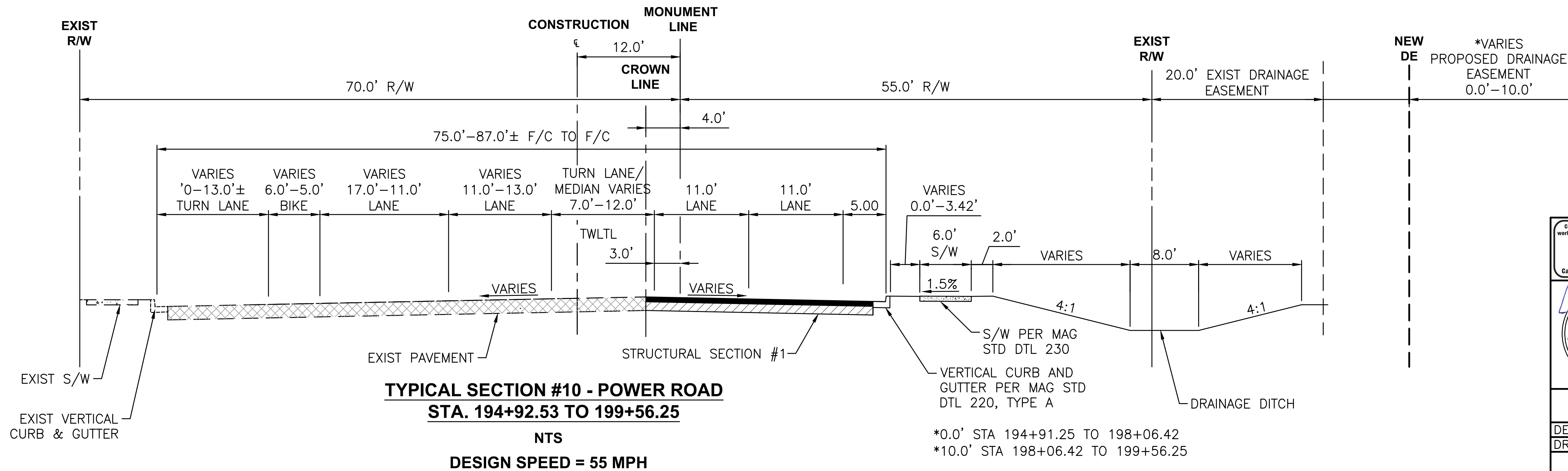
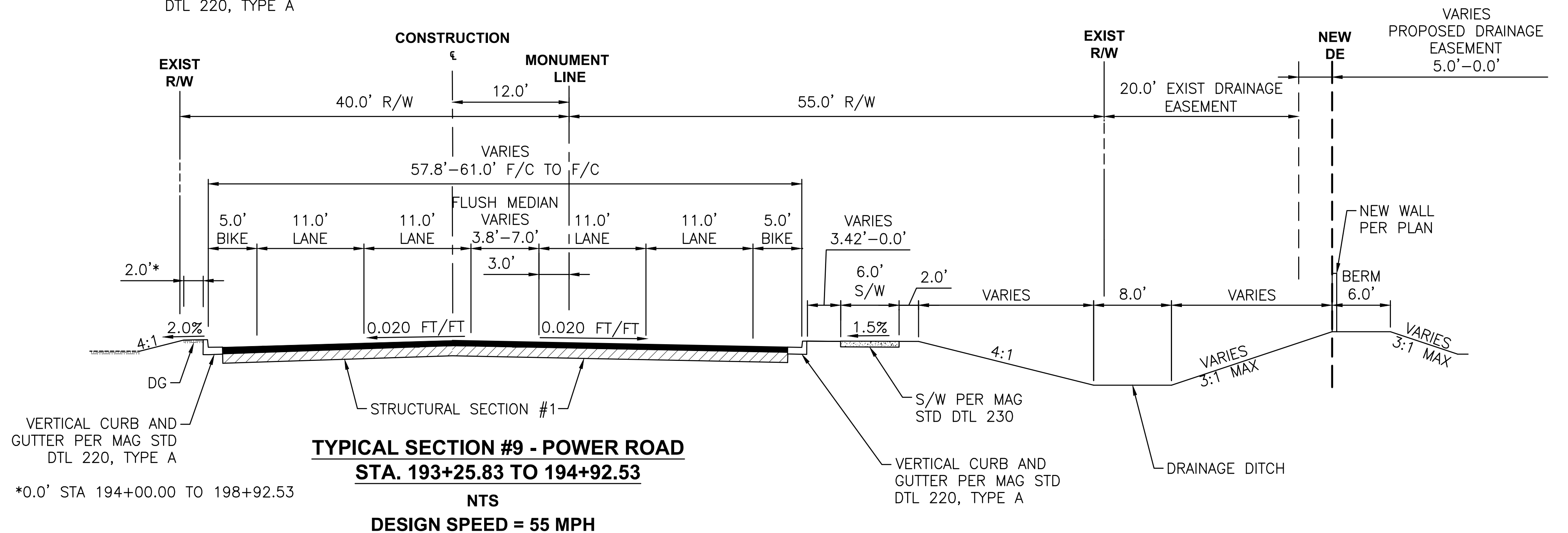
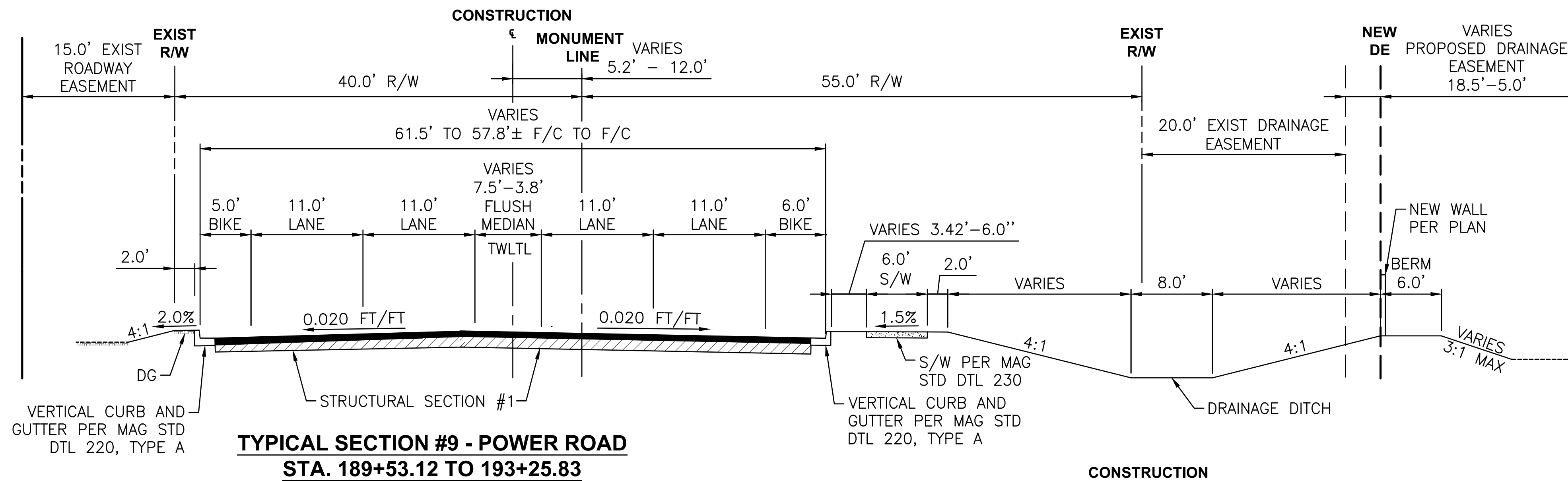


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TYPICAL SECTION POWER ROAD	
DESIGNED BY MH	CIP PROJ NO. A1405
DRAWN BY BE	
DRAWING NO. TY004	SHEET 10 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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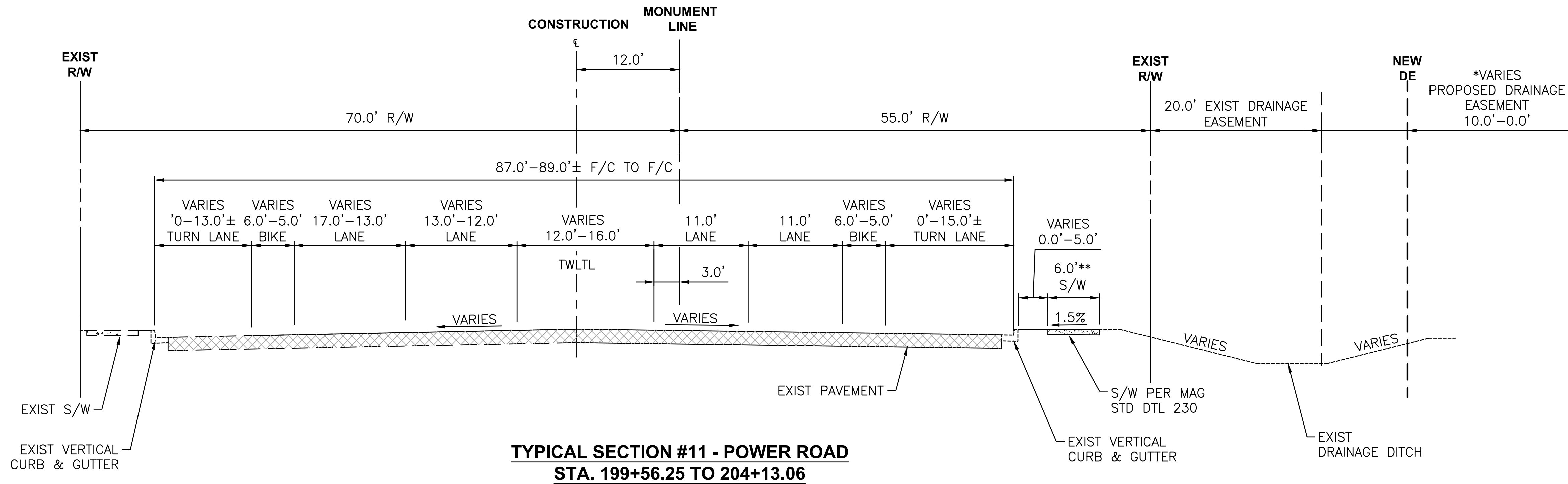


<p>Contact Arizona 911 at least two full working days before you begin excavation</p> <p><b>ARIZONA</b></p> <p>Call 611 or click Arizona911.com</p>		<p><b>TOWN OF</b> <b>QUEEN CREEK</b></p>	
<p><b>Professional Engineer</b></p> <p>17551 CHRISTOPHER E. EGGERS</p> <p>ARIZONA, U.S.A.</p>		<p>POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS</p> <p>3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com</p>	
<p><b>Stantec</b></p>			
<p><b>TYPICAL SECTION POWER ROAD</b></p>			
<p>DESIGNED BY: MH</p>		<p>CIP PROJ NO. A1405</p>	
<p>DRAWN BY: BE</p>			
<p>DRAWING NO. TY005</p>		<p>SHEET 11 OF 133</p>	

PROJECT NO. A1405, POWER ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

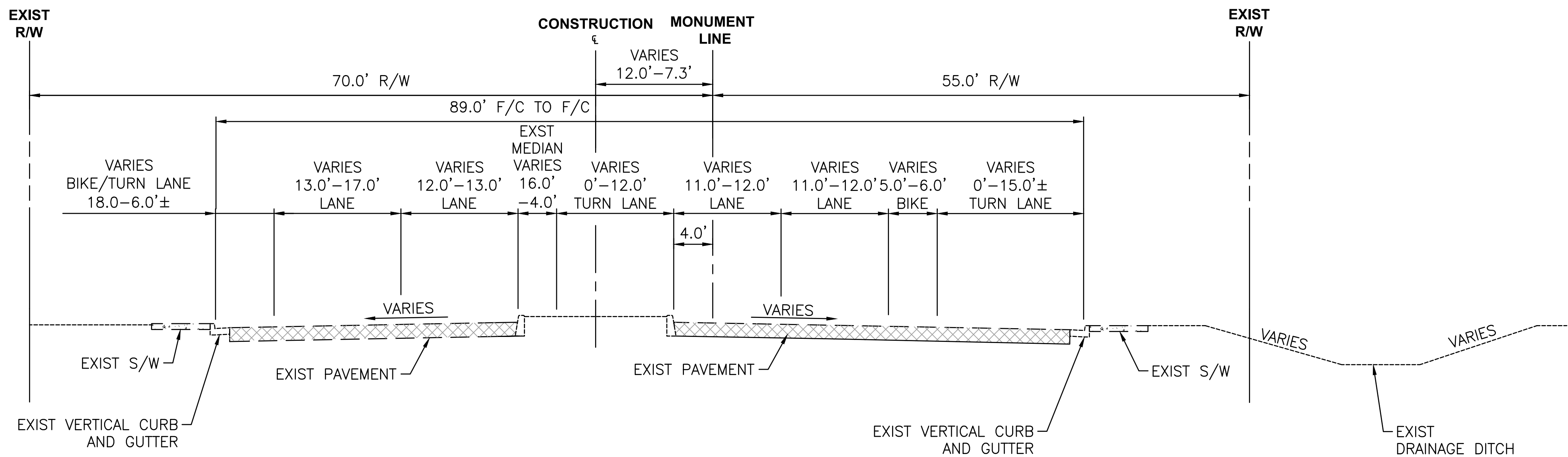


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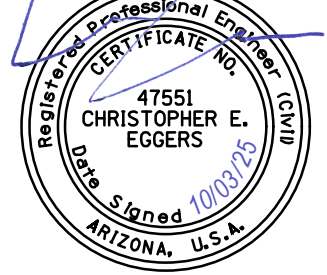

DESIGN SPEED = 55 MPH

\*10.0' STA 199+56.25 TO 201+45.11  
\*0.0' STA 201+45.11 TO 204+13.06  
\*\*EXIST S/W STA 201+45.24 TO 204+13.06



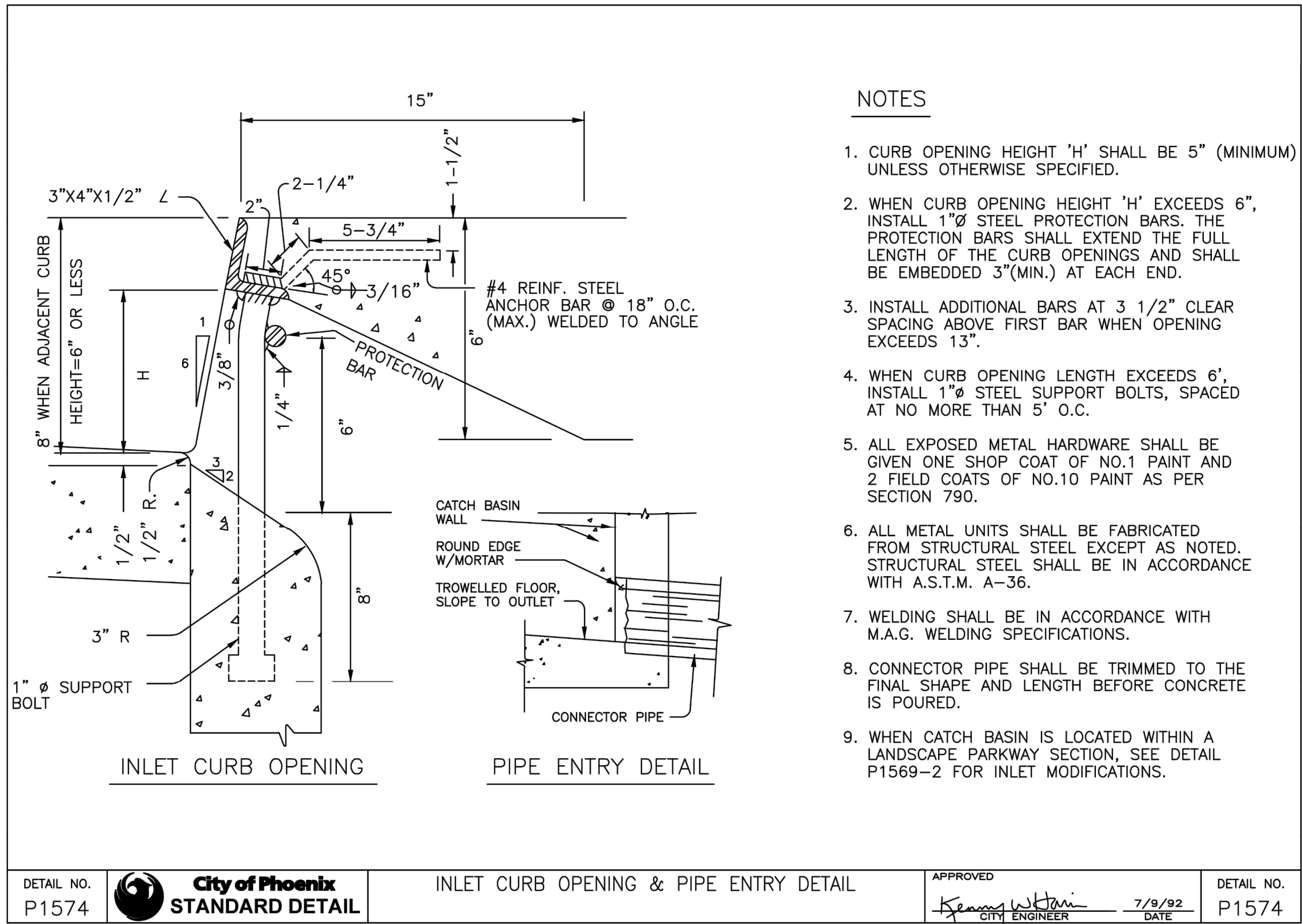
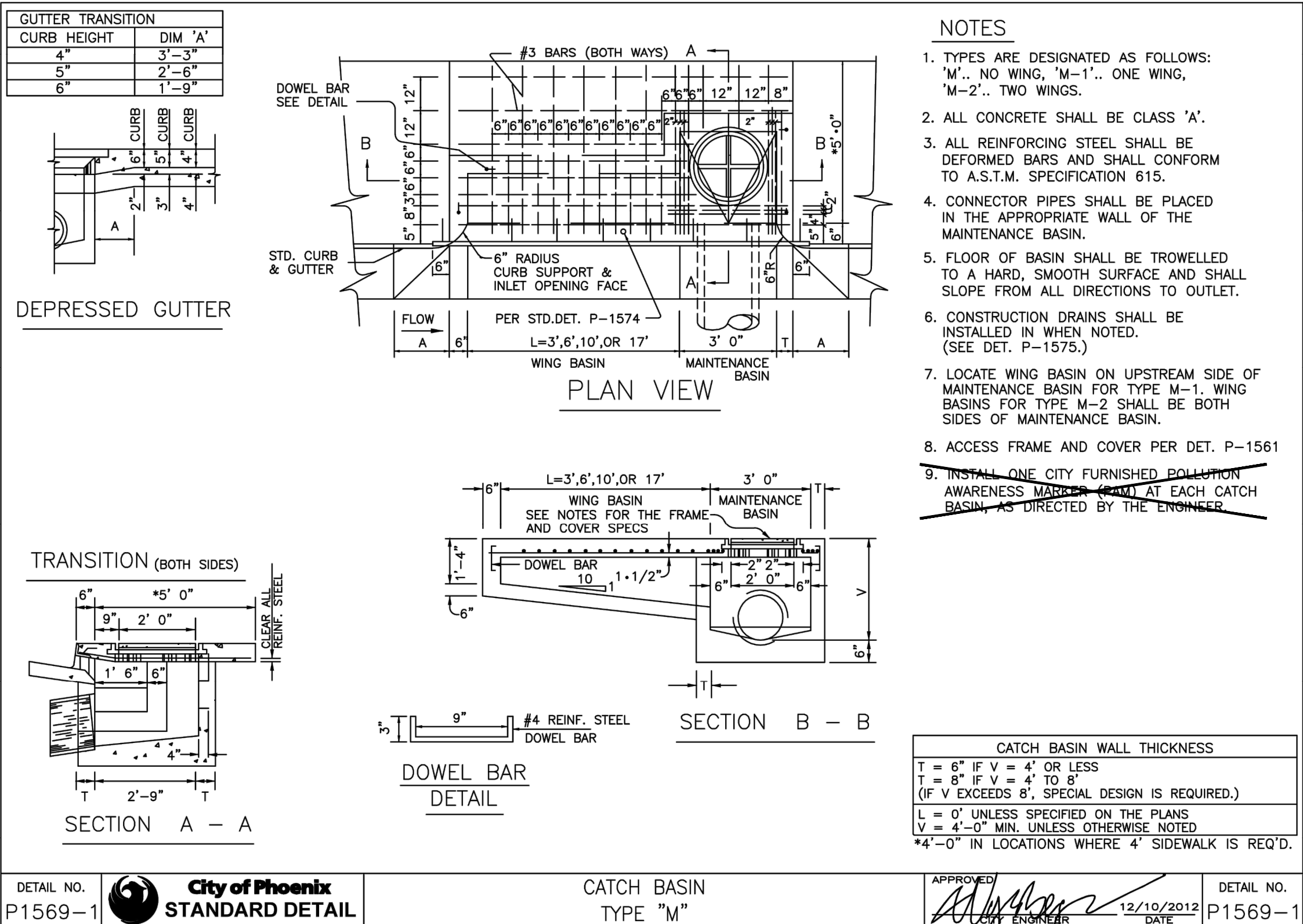
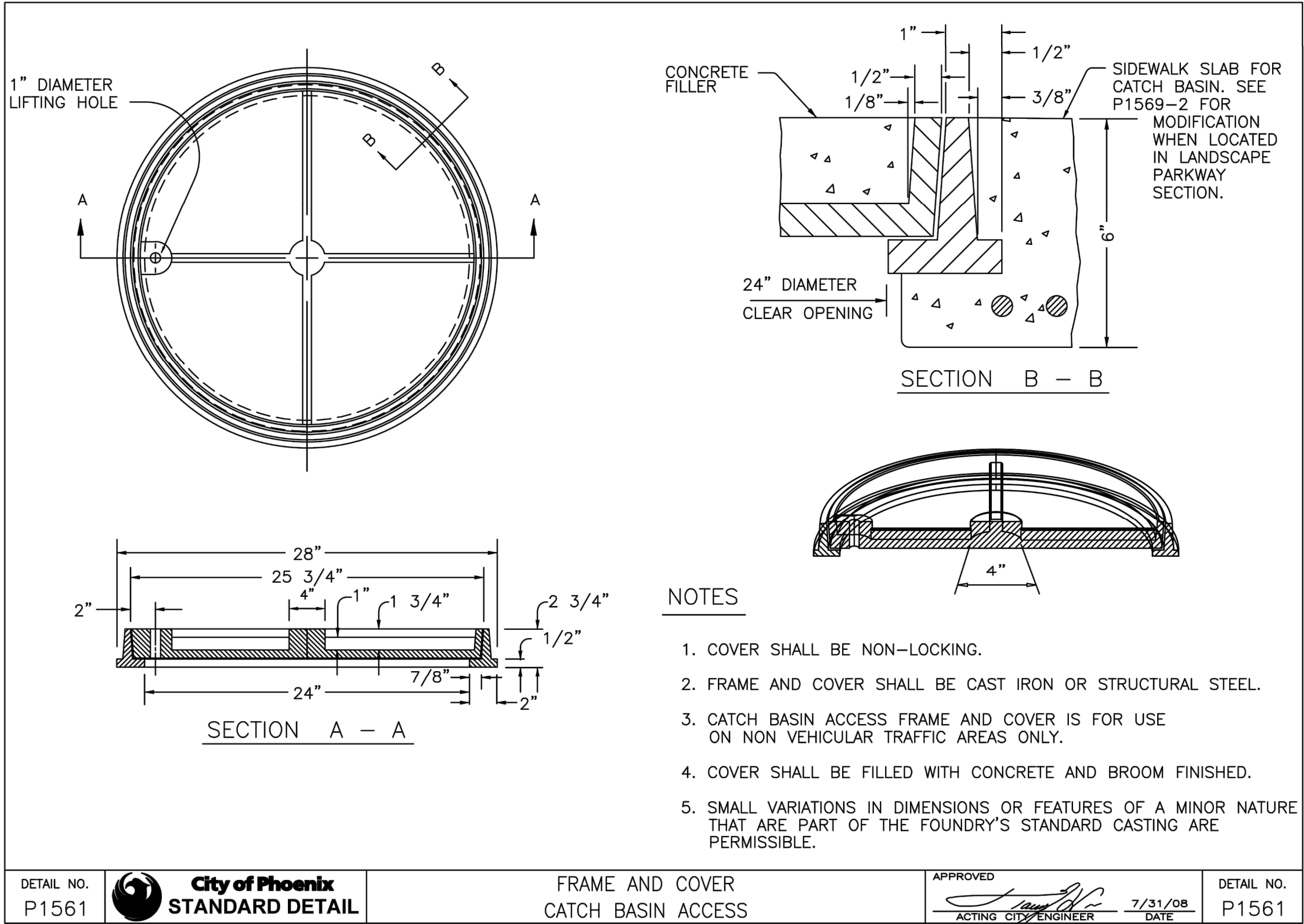
**TYPICAL SECTION #12 - POWER ROAD**  
**STA. 204+13.06 TO 205+80.12**

DESIGN SPEED = 55 MPH

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TYPICAL SECTION POWER ROAD	
DESIGNED BY   MH	CIP PROJ NO. A1405
DRAWN BY   BE	
DRAWING NO.   TY006	SHEET 12 OF 133



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**DETAIL A**  
**NTS**

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**ARIZONA**

Call 611 or click Arizona911.com

**TOWN OF**  
**QUEEN CREEK**

Professional Engineer  
No. 17551  
CHRISTOPHER E. EGERS  
Sealed 10/3/25  
ARIZONA, U.S.A.

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

**Stantec**

3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

**ROADWAY DETAILS**

DESIGNED BY MH

DRAWN BY BE

CIP PROJ NO. A1405

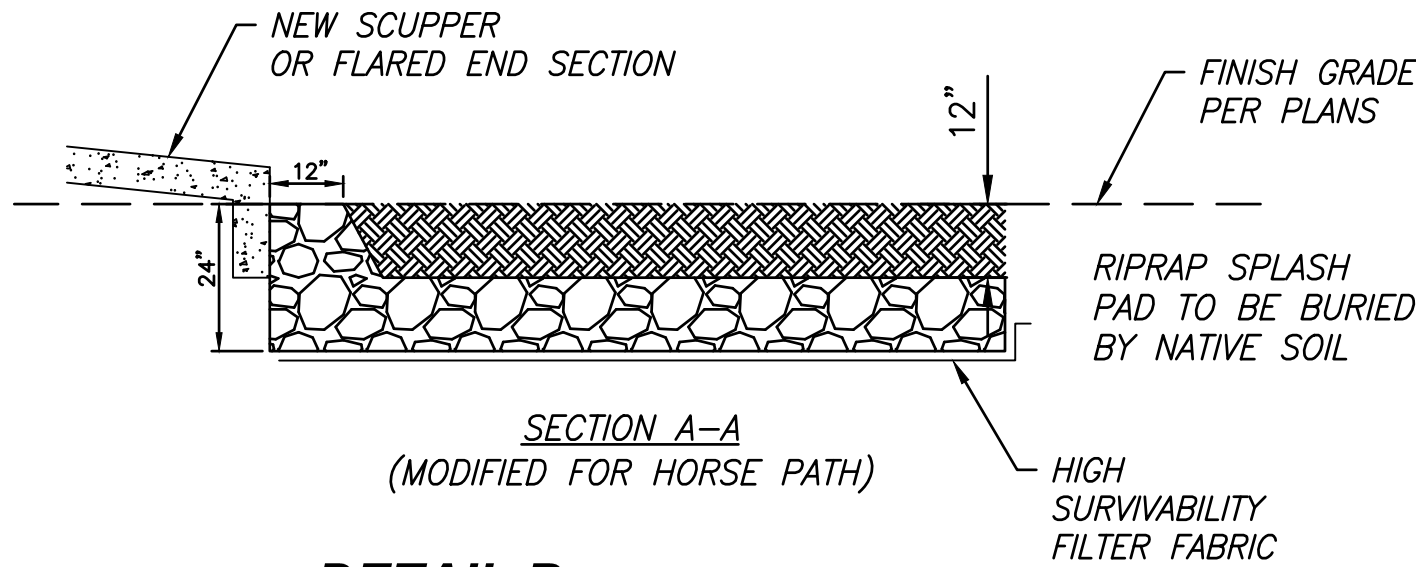
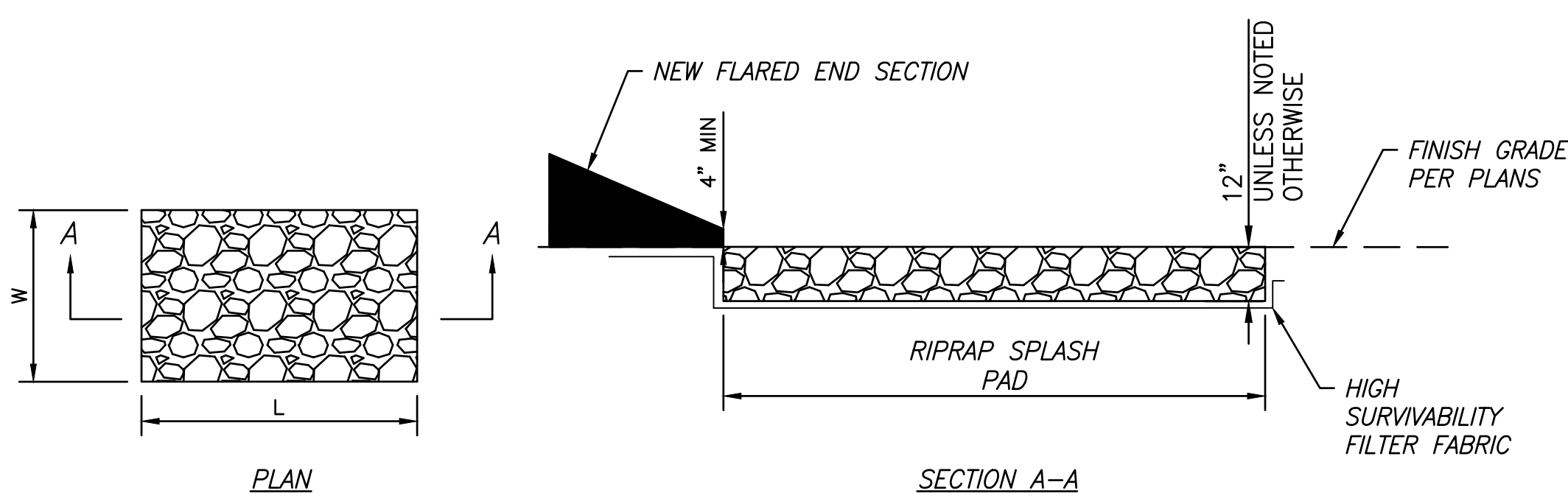
DRAWING NO. DT001

SHEET 13 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

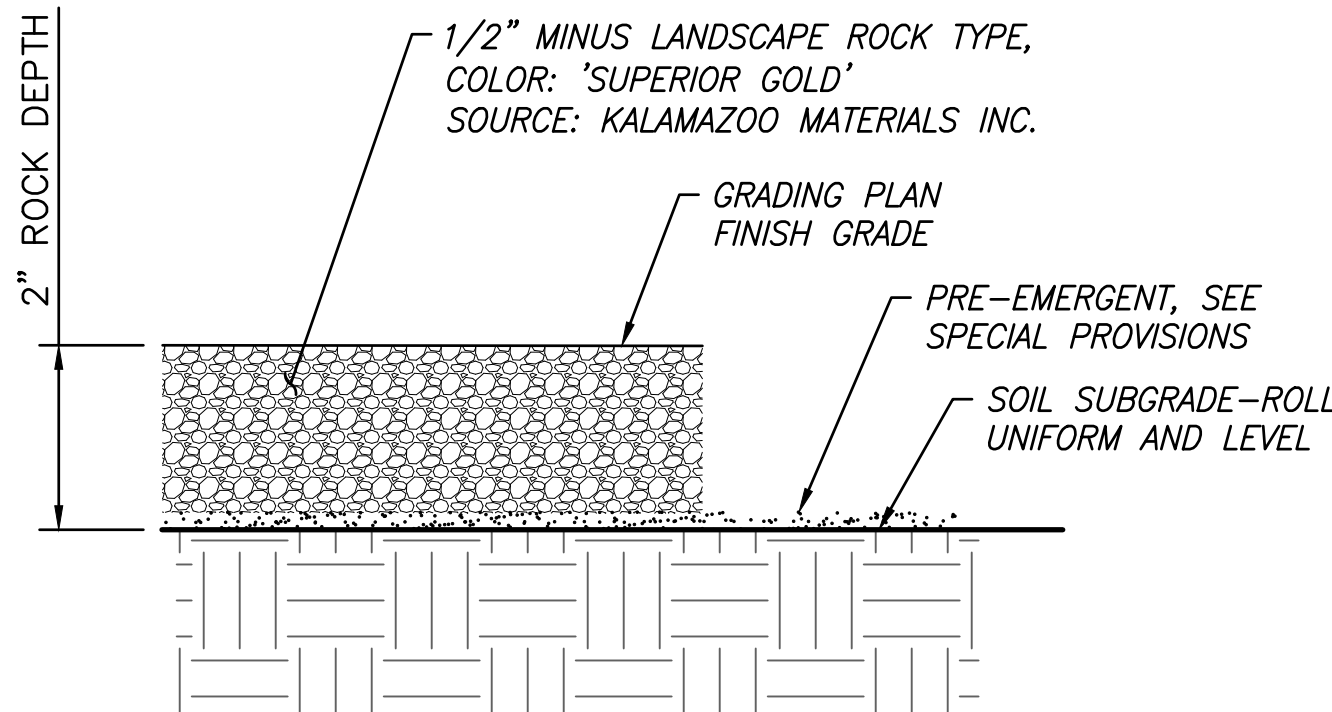


\\US0310-PPFSS01\WORKGROUP\1817\Active\181711207\700\_CADD\Sheet\_Files\11207-DT002\_DETAIL\_2.dwg, 10/3/2025 2:36:37 PM



- NOTE:
- 6"-12" COBBLE TO BE USED FOR SPLASH PAD.
  - LENGTH (L) AND WIDTH (W) PER PLAN
  - FILTER FABRIC SHALL BE INCIDENTAL TO THE COST OF RIPRAP SPLASH PAD

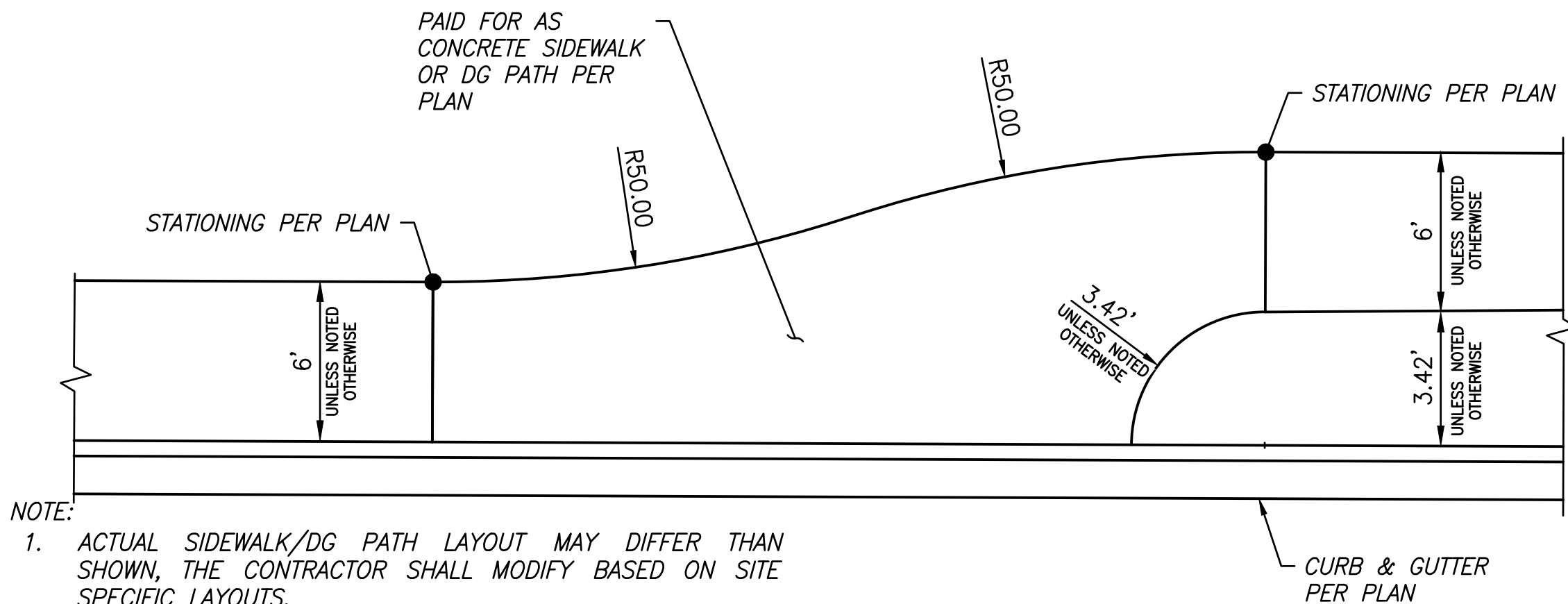
**DETAIL B**  
NTS



**LANDSCAPE GRAVEL MULCH**  
(DECOMPOSED GRANITE)

**DETAIL C**  
NTS

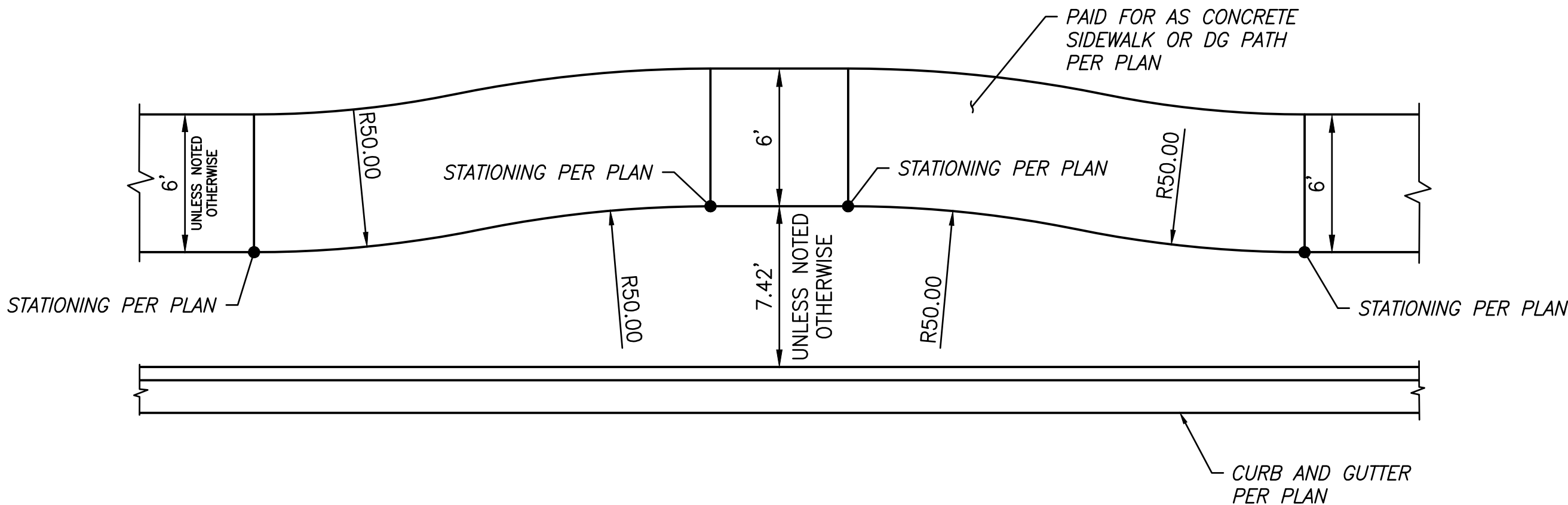
- GENERAL NOTES:
- A PRE-EMERGENT SHALL BE APPLIED TO FINISH GRADE BEFORE AND AFTER INSTALLATION OF LANDSCAPE ROCK (DECOMPOSED GRANITE) – SEE SPECIFICATIONS
  - ALL LANDSCAPE ROCK TYPE SHALL BE PLACED ON PREPARED EXPOSED SOIL GRADES WHERE SHOWN ON THE PLANS
  - ALL SOIL GRADES SHALL BE UNIFORM IN APPEARANCE PRIOR TO ROCK INSTALLATION. REWORK SOIL GRADES AND COMPACT AS NEEDED TO ENSURE UNIFORMITY AND EVEN CONSISTENCY, NO RUTTING, DEPRESSIONS, HOLES, MOUNDS, ERODED AREAS, RILLS, ETC. WILL BE ACCEPTED. REPAIR AREAS AS NEEDED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT OR TOWN REPRESENTATIVE PRIOR TO PRE-EMERGENT AND ROCK INSTALLATION.
  - ROLL TO COMPACT AND WATER IN ALL ROCK MINUS MATERIAL AFTER INSTALLATION TO FORM CRUST.



- NOTE:
- ACTUAL SIDEWALK/DG PATH LAYOUT MAY DIFFER THAN SHOWN, THE CONTRACTOR SHALL MODIFY BASED ON SITE SPECIFIC LAYOUTS.



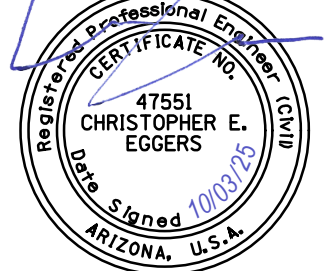

**SIDEWALK/DG PATH TRANSITION**

**DETAIL D**  
NTS



**SIDEWALK/DG PATH TRANSITION**

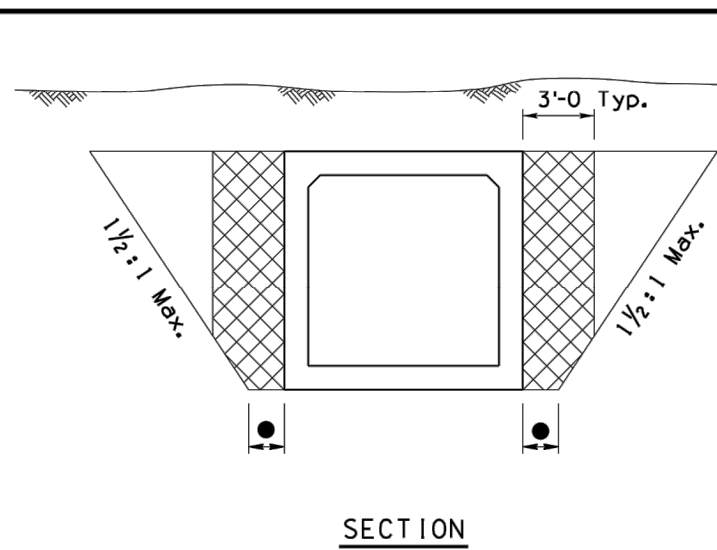
**DETAIL E**  
NTS

 Contact Arizona 911 at least two full working days before you begin excavation Call 611 or click Arizons911.com		 <b>TOWN OF</b> <b>QUEEN CREEK</b>	
		POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS	
		 3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com	
ROADWAY DETAILS			
DESIGNED BY: MH		CIP PROJ NO. A1405	
DRAWN BY: BE			
DRAWING NO. DT002		SHEET 14 OF 133	

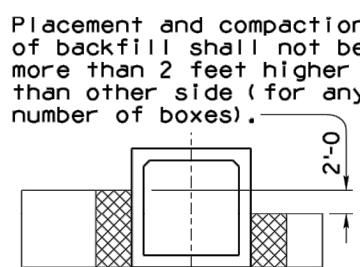




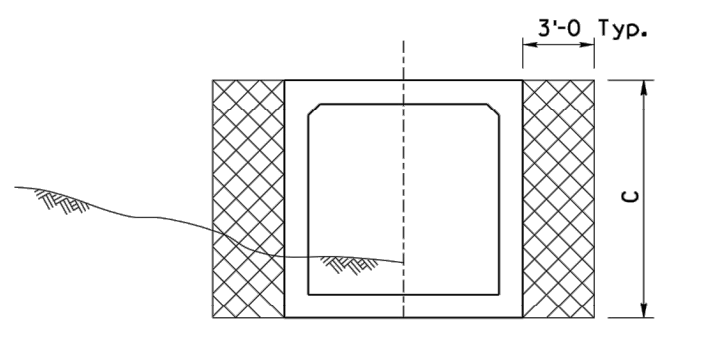




### STRUCTURAL EXCAVATION - PAYMENT LIMITS



### PLACEMENT DETAIL



SECTION

STRUCTURE BACKFILL - MEASUREMENT

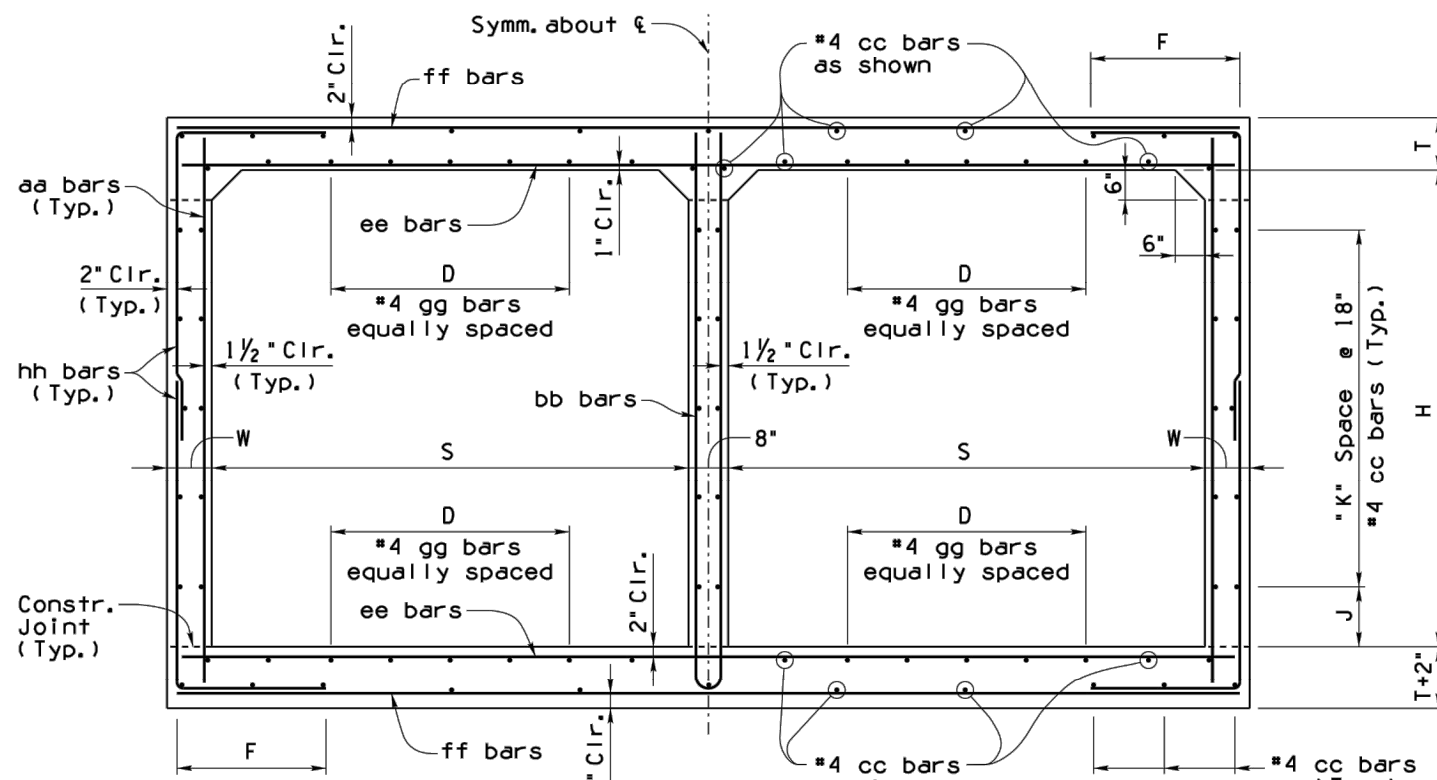
**NOTE:**  
For General Notes, Dimensions, Quantities and additional Details, see SD 6.01 (1, 2, 3 & 5).

DESIGN APPROVALS <i>Shafiq H. Hasan</i>		ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP STRUCTURE DETAIL	
APPROVED FOR DISTRIBUTION <i>Tuan A. Nehme</i>		REINFORCED CONCRETE BOX CULVERTS STRUCTURAL EXCAVATION & STRUCTURE BACKFILL	
ROUTE	PROJECT NO.	F.A. NO.	DRAWING NO. SD 6.01 (4 of 5)
LOCATION		SHEET NO. OF	

Note to Designers: The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

[illegible]

✦ Total number of bars in the cross-section.





New box culverts shall not be constructed using 3' or 4' heights without special approval from ADOT Bridge Group. Tables referencing these sizes are provided for extension of existing box culverts only.

Height • H"	• J Dim.	• K Spaces
3'	9"	1
4'	6"	2
5'	12"	2
6'	9"	3
7'	6"	4
8'	12"	4
9'	9"	5
10'	6"	6
11'	12"	6
12'	9"	7

bb bar nh  
BENDS

**NOTE:**  
For General Notes, Dimensions, and additional Details, see SD 6.01 (1 to 4). For Quantities and Tables III thru V see SD 6.02 (2 of 2).

DESIGN APPROVED 		ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP STRUCTURE DETAIL	
APPROVED FOR DISTRIBUTION 		REINFORCED CONCRETE BOX CULVERT DOUBLE BARREL (0' - 15' FILLS)	
ROUTE	PROJECT NO.	FA NO.	DRAWING NO. SD 6.02 (1 of 2)
LOCATION			SHEET NO. OF

20-JAN-2016 16:33 G:\Bridge\CADD\Standards\SD.Sheets\SD 6 Drainage Structures\SD 6.01-6.11 Series\SD6.01-1 to 5\sd601-4.1916.dgn



TABLE NO. III 15-20" FILL																				
Scan 15"		Scan 18"		Scan 20"		aa		bb		cc		ee		ff		gg		hh		
Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	Bar Size	Length	
1	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
2	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
3	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
4	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
5	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
6	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
7	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
8	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
9	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
10	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
11	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
12	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
13	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
14	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
15	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
16	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
17	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
18	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
19	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
20	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
21	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
22	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
23	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
24	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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27	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
28	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
29	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
30	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
31	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
32	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
33	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
34	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
35	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
36	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
37	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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39	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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45	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
46	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
47	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
48	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
49	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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52	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
53	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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71	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
72	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
73	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
74	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
75	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
76	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
77	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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79	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
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84	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
85	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
86	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
87	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
88	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
89	8"	8"	5"	12"	4"	5"	12"	4"	8"	8"	4"	5"	12"	4"	5"	12"	4"	5"	12"	4"
90	8"	8"																		

✦ Total number of bars in the cross-section.

Span-5° deg ft	H ft	W ft	Bar Size Spacing	aa		bb		cc		ee		ff		gg		hh	
				length	Bar Size Spacing	length	Bar Size Spacing	length	Bar Size Spacing	length	Bar Size Spacing	length	Bar Size Spacing	length	Bar Size Spacing	length	Bar Size Spacing
6'	11'	8"	5	12	4-7	5	12	9-2	4	12	13-7	3	13-7	16	3-0	4	7
	4	11'	8"	5	12	5-7	5	12	11-2	5-4	5	12	13-7	3	13-7	16	3-0
	4	11'	8"	5	12	6-7	5	12	13-2	5-4	5	12	13-7	3	13-7	16	3-0
	6	11'	8"	5	12	7-7	5	12	15-2	6-0	5	12	13-7	3	13-7	16	3-0
	7	11'	8"	5	10	8-7	5	12	17-2	6-6	5	12	13-7	3	13-7	16	3-0
	3	14'	9"	5	12	5-7	5	12	10-1	4-8	5	12	17-9	2	17-9	20	4-0
8'	11'	8"	5	12	5-7	5	12	10-1	4-8	5	12	17-9	2	17-9	20	4-0	
	5	14'	9"	5	12	7-7	5	12	14-1	5-4	5	12	17-9	2	17-9	20	4-0
	6	14'	9"	5	12	8-7	5	12	16-1	6-0	5	12	17-9	2	17-9	20	4-0
	7	14'	9"	5	10	9-1	5	12	18-1	6-6	5	12	17-9	2	17-9	20	4-0
	8	14'	9"	5	10	10-1	5	12	20-1	6-6	5	12	17-9	2	17-9	20	4-0
	3	17'	11"	5	12	5-7	5	12	10-1	4-8	5	12	22-1	2	22-1	24	5-0
10'	4	17'	11"	5	12	6-7	5	12	12-1	5-4	5	12	22-1	2	22-1	24	5-0
	5	17'	11"	5	12	7-7	5	12	14-1	5-4	5	12	22-1	2	22-1	24	5-0
	6	17'	11"	5	12	8-7	5	12	16-1	6-0	5	12	22-1	2	22-1	24	5-0
	7	17'	11"	5	12	9-7	5	12	18-1	6-6	5	12	22-1	2	22-1	24	5-0
	8	17'	11"	5	10	10-7	5	12	20-1	6-6	5	12	22-1	2	22-1	24	5-0
	9	17'	11"	5	12	11-7	5	12	22-1	7-2	6	12	22-1	2	22-1	24	5-0
12'	10	17'	11"	5	10	12-7	5	12	24-1	7-8	6	12	22-1	2	22-1	24	5-0
	8	20'	13"	5	12	11-2	5	12	22-1	6-6	6	12	26-5	2	26-5	28	6-0
	9	20'	13"	5	12	12-2	5	12	24-1	7-2	6	12	26-5	2	26-5	28	6-0
	10	20'	13"	5	12	13-2	5	12	26-1	7-8	6	12	26-5	2	26-5	28	6-0
	11	20'	13"	5	10	14-2	5	12	28-1	7-8	6	12	26-5	2	26-5	28	6-0
	12	20'	13"	5	9	15-2	5	12	30-1	8-4	6	12	26-5	2	26-5	28	6-0

		QUANTITIES PER LINEAR FOOT OF BARREL (DOUBLE BARREL)									
		Table I		Table II		Table III		Table IV		Table V	
Span '5"	Height "H"	Concrete	Reinfr. Steel	Concrete	Reinfr. Steel	Concrete	Reinfr. Steel	Concrete	Reinfr. Steel	Concrete	Reinfr. Steel
		C.Y.	Lbs.	C.Y.	Lbs.	C.Y.	Lbs.	C.Y.	Lbs.	C.Y.	Lbs.
6'	3'	1.148	186.5	1.099	186.3	1.148	181.5	1.278	183.0	1.407	186.8
	4'	1.222	197.8	1.099	186.3	1.222	181.5	1.351	193.5	1.481	207.7
	5'	1.296	205.1	1.167	206.9	1.296	198.3	1.456	200.0	1.536	214.5
	6'	1.370	216.4	1.241	218.2	1.370	208.7	1.520	210.0	1.656	221.5
8'	3'	1.444	227.7	1.315	229.6	1.444	236.2	1.545	243.1	1.704	261.5
	4'	1.637	268.8	1.549	262.6	1.637	259.9	1.941	244.3	2.166	279.5
	5'	1.517	281.1	1.629	273.9	1.797	270.7	2.022	265.8	2.246	299.0
	6'	1.597	289.5	1.709	281.2	1.878	261.9	2.102	263.3	2.326	297.1
10'	6'	1.677	301.8	1.790	292.5	1.958	272.4	2.182	274.4	2.406	308.1
	7'	1.758	315.5	1.870	303.8	2.038	290.1	2.262	280.1	2.487	346.1
	8'	1.839	329.3	1.951	315.1	2.118	277.7	2.386	285.1	2.608	344.1
	9'	1.894	347.0	2.171	365.7	2.519	367.1	2.796	378.9	3.074	393.9
12'	4'	1.886	360.4	2.264	368.5	2.611	378.8	2.898	390.7	3.177	452.2
	5'	2.079	364.2	2.356	376.1	2.794	386.6	2.981	398.4	3.259	460.9
	6'	2.171	377.5	2.449	388.0	2.796	398.3	3.074	415.5	3.352	472.0
	7'	2.264	390.5	2.542	399.8	2.889	410.7	3.167	427.3	3.444	485.3
14'	8'	2.356	398.7	2.634	407.5	2.981	416.1	3.259	435.0	3.537	493.5
	9'	2.449	411.0	2.727	419.3	3.074	429.6	3.352	457.9	3.630	545.8
	10'	2.542	423.2	2.819	431.0	3.167	442.1	3.444	494.5	3.722	548.0
	11'	2.634	435.0	2.908	443.1	3.259	454.6	3.537	506.8	3.814	550.3
16'	12'	2.727	447.3	2.999	455.1	3.352	466.7	3.630	519.0	3.906	552.6
	13'	2.819	459.5	3.091	467.2	3.444	478.8	3.722	531.2	4.000	559.9
	14'	3.004	547.0	3.178	543.3	3.420	561.0	3.722	628.8	4.033	665.5
	15'	3.409	556.4	3.823	563.3	4.420	641.1	4.734	645.4	5.148	676.1
18'	16'	3.514	669.7	3.928	577.7	4.420	656.0	4.839	663.3	5.253	707.7
	17'	3.606	681.9	4.019	589.8	4.512	668.1	4.931	675.4	5.345	719.9

**NOTE:**  
For General Notes, Dimensions, and additional  
Details, see SD 6.01 (1 to 4). For Typical  
Coatings and Details, see SD 6.02 (1 to 2).

(SEE LAST PAGE) 		ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION BRIDGE GROUP STRUCTURE DETAIL	
APPROVED FOR DISTRIBUTION: 		REINFORCED CONCRETE BOX CULVERTS DOUBLE BARRED (15' - 30' FILLS)	
ROUTE	PROJECT NO.	TA NO.	SHEET NO. SD 6.02 02 of 2
LOCATION		SHEET NO. OF	

20-JAN-2016 16:49 G:\Bridge\CADD\Standards\SD.Sheets\SD 6 Drainage Structures\SD 6.01-6.11 Series\SD602-1 to 2\sd602-2.1916.dgn

**Note to Designer:** The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	Original Issue	S.M.A.	2-12
2	Added 3'-6" height for sliding box extensions only	D.B.S.	5-15
3			

**NOTE: The payment will be made for structure excavation and backfill as such; the cost thereof shall be included in the contract price for the construction or installation of the box culverts to which such excavation and backfill are incidental or appurtenant.**

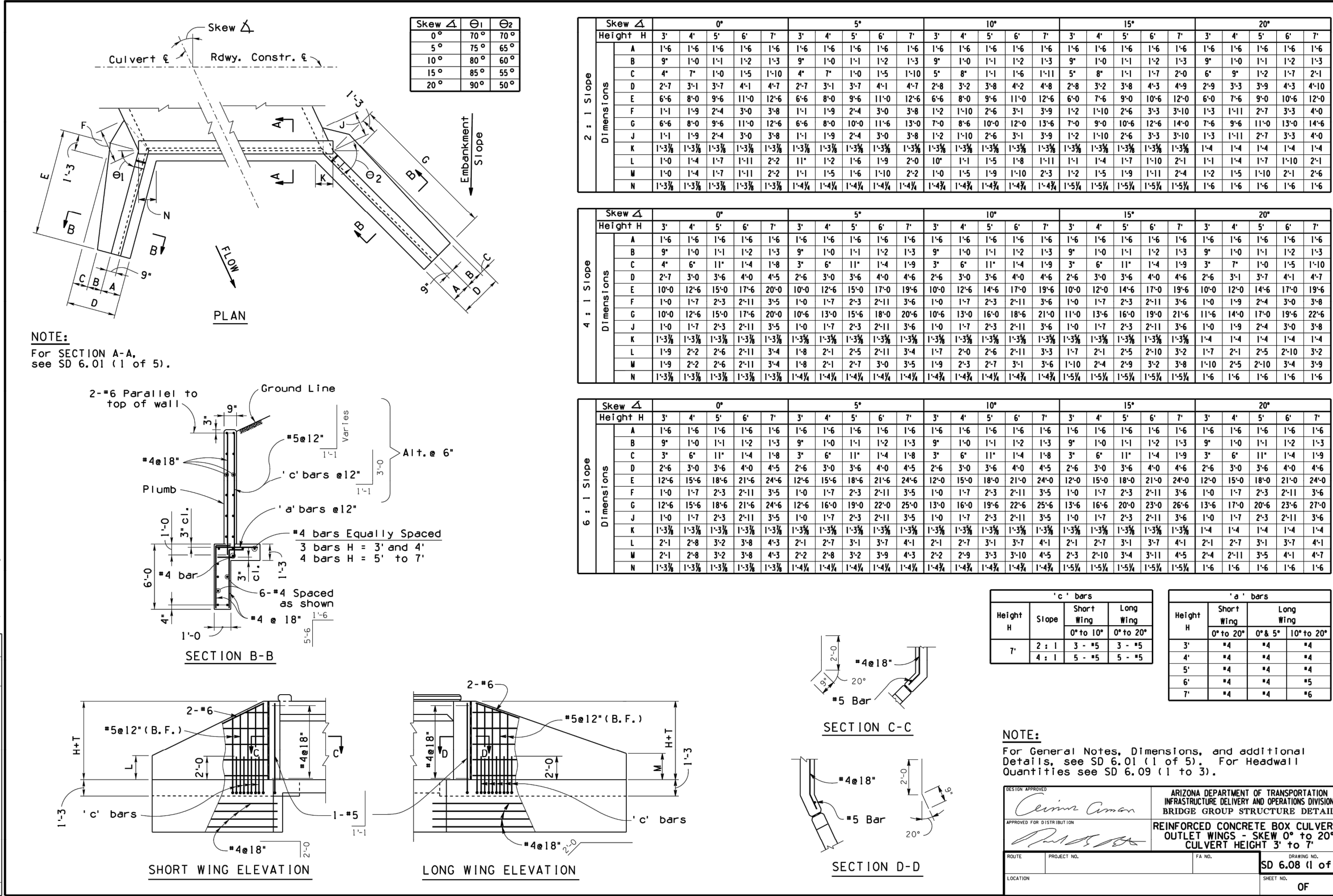
**DETAIL F**  
**NTS**  
**SHEET 2 OF 3**

PROJECT NO. A1105 POWER ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEaled SIIRMITTAI 10/03/2025



REVISIONS		DATE	BY	DESCRIPTION
1	Original Issue	11/15/2016	WAL	1
2	Added 2' height for outlet box extension only.	11/15/2016	WAL	2
3	Added 2' height for outlet box extension only.	11/15/2016	WAL	3

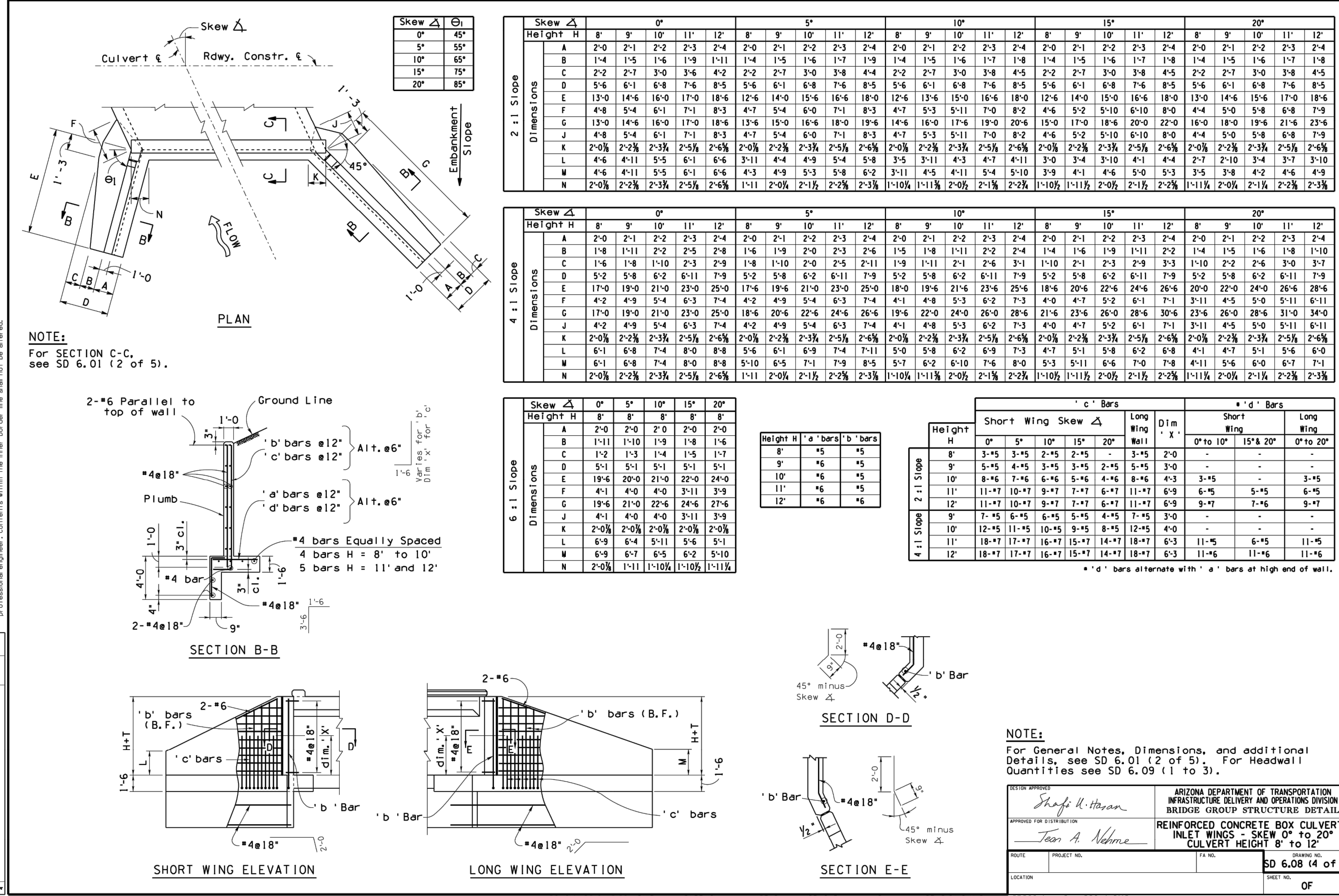
Note to Designer: This Standard Detail has been prepared in accordance with recognized engineering practices and is for general use. It should not be used for specific applications without engineering judgment. The user assumes all liability for the use of this Standard Detail. The user assumes all liability for the use of this Standard Detail. The user assumes all liability for the use of this Standard Detail.



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REVISIONS		DATE	BY	DESCRIPTION
1	Original Issue	11/15/2016	WAL	1
2	Added 2' height for outlet box extension only.	11/15/2016	WAL	2
3	Added 2' height for outlet box extension only.	11/15/2016	WAL	3

Note to Designer: This Standard Detail has been prepared in accordance with recognized engineering practices and is for general use. It should not be used for specific applications without engineering judgment. The user assumes all liability for the use of this Standard Detail. The user assumes all liability for the use of this Standard Detail. The user assumes all liability for the use of this Standard Detail.




22-JAN-2016 10:09 G:\Bridges\CADD\Standards\SD\_Sheets\SD 6 Drainage Structures\SD 6.01-6.11 Series\SD6088-1 to 8\sd6088-4.0116.dgn


DETAIL F  
NTS  
SHEET 3 OF 3



Call 611 or click Arizona811.com




17551  
CHRISTOPHER E. EGERS  
SIGNED 10/03/2025  
ARIZONA, U.S.A.



TOWN OF  
QUEEN CREEK

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



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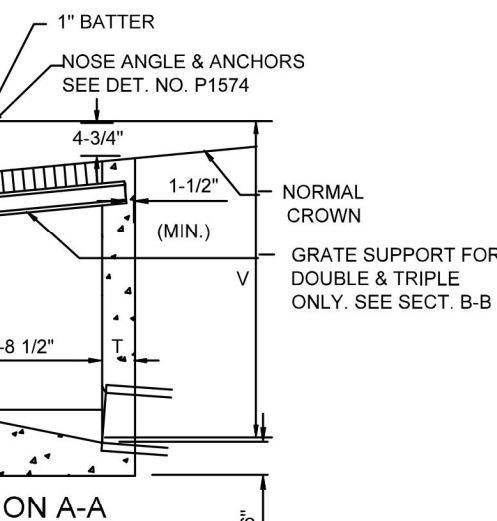
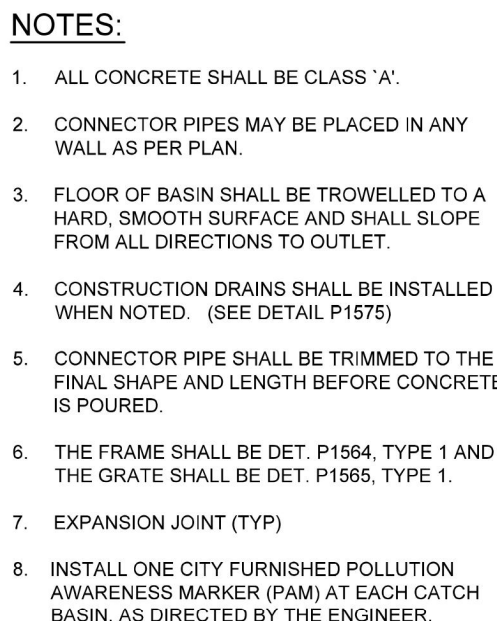
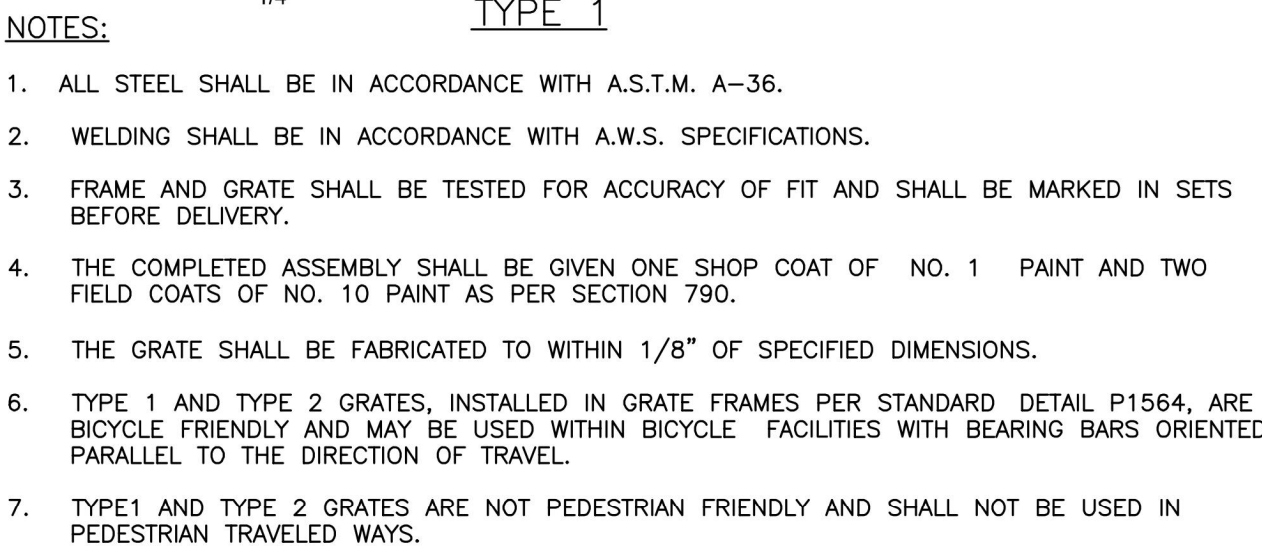
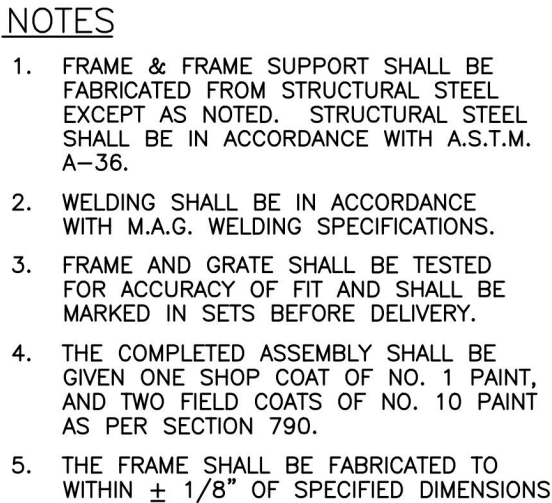
DESIGNED BY: MH

DRAWN BY: BE

DRAWING NO. DT005

SHEET 17 OF 133





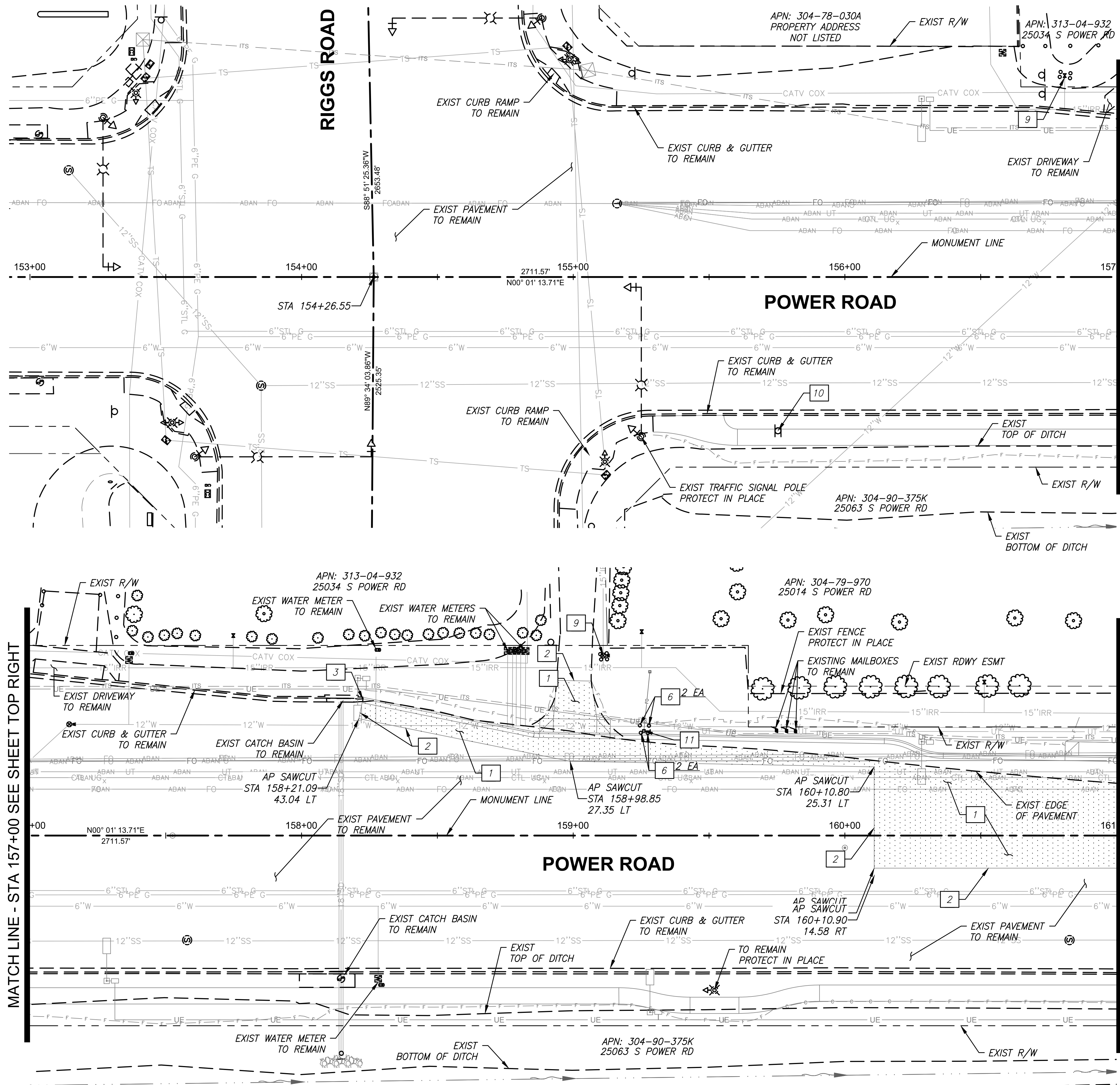
Contact Arizona 811 at least two full working days before you begin excavation

**ARIZONA811**  
P.U.S. STAKE INC.

Call 811 or click Arizona811.com



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	REMOVAL NOTES	QUANTITY
1	Remove Existing Asphalt	492 SY
2	Sawcut AC Pavement	324 LF
3	Remove Existing Curb and Gutter	3 LF
6	Remove Existing Bollard	4 EA
9	Existing STID Facilities, Protect in Place	- -
10	Remove Existing Sign and Post	2 EA
11	Relocate Existing Pedestal, by Century Link	- NPI

- NOTES:
- Proposed improvements shown for reference only, see Roadway Plans for details.
  - For new location of relocated items, see Roadway Plans.

REMOVAL LEGEND

REMOVE EXISTING ASPHALT

0'10'20'40'

HORZ. SCALE: 1"=20'

Contact Arizona 911 at least two full working days before you begin excavation

**ARIZONA**

Call 911 or click Arizona911.com

Professional Engineer

17551

CHRISTOPHER E. EGGERS

2024

Arizona, U.S.A.

TOWN OF

QUEEN CREEK

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

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Stantec

DEMOLITION PLANS

DESIGNED BY: MH

DRAWN BY: BE

CIP PROJ NO. A1405

DRAWING NO. DM001

SHEET 19 OF 133

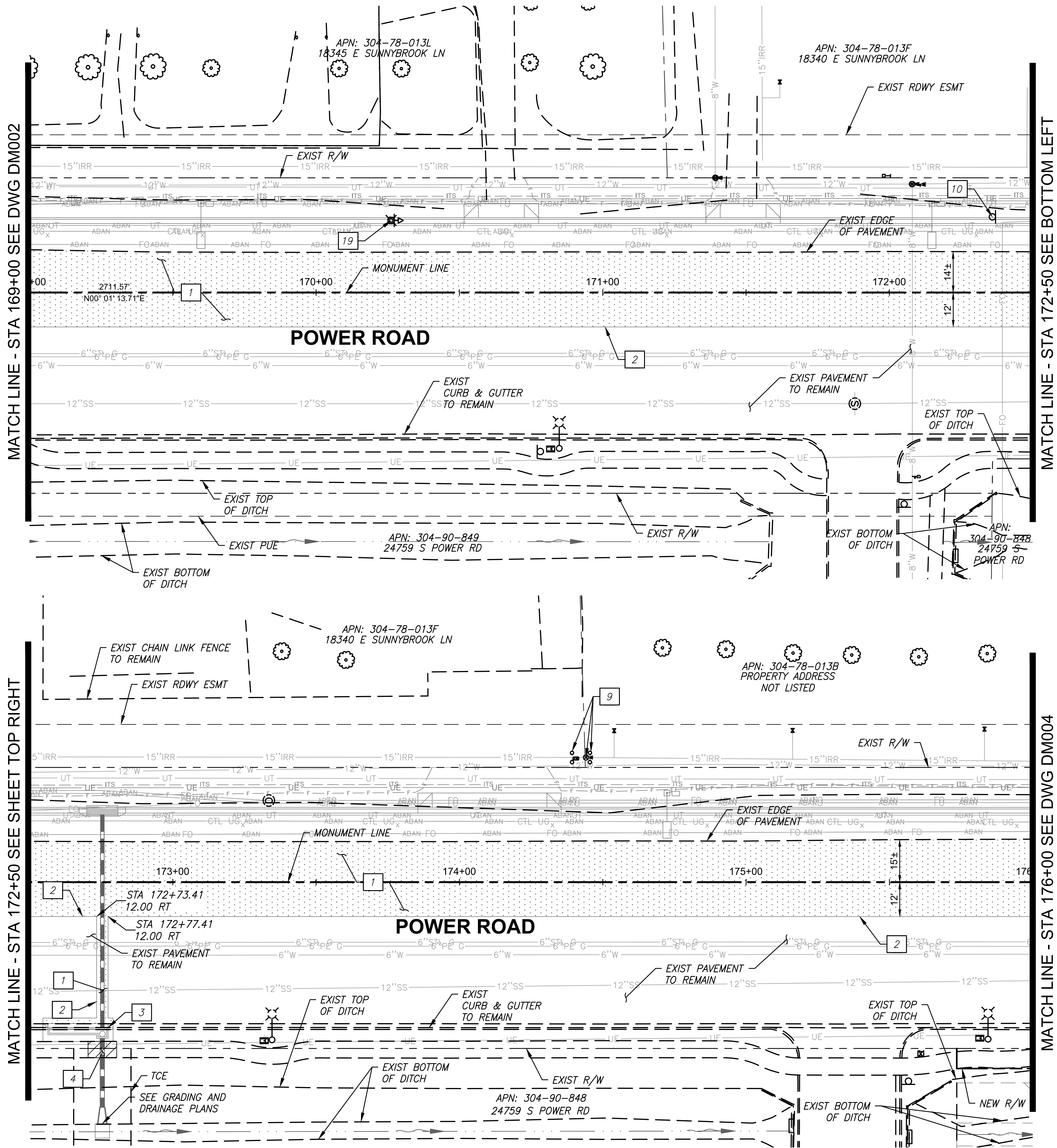
PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025







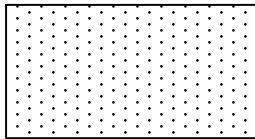
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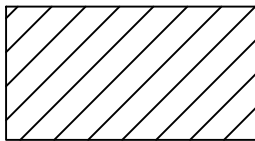
	REMOVAL NOTES	QUANTITY
1	Remove Existing Asphalt	2064 SY
2	Sawcut AC Pavement	791 LF
3	Remove Existing Curb and Gutter	25 LF
4	Remove Existing Concrete Sidewalk	57 SF
9	Existing STID Facilities, Protect in Place	- -
10	Remove Existing Sign and Post	1 EA
19	Relocate Existing School Zone Sign and Flashers	1 EA

- NOTES:
- Proposed improvements shown for reference only, see Roadway Plans for details.
  - For new location of relocated items, see Roadway Plans.

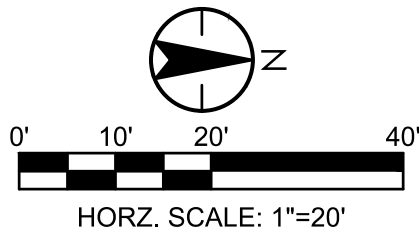
REMOVAL LEGEND



REMOVE EXISTING ASPHALT



REMOVE EXISTING SIDEWALK



TOWN OF  
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POWER ROAD:  
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ROADWAY AND DRAINAGE IMPROVEMENTS



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DEMOLITION PLANS

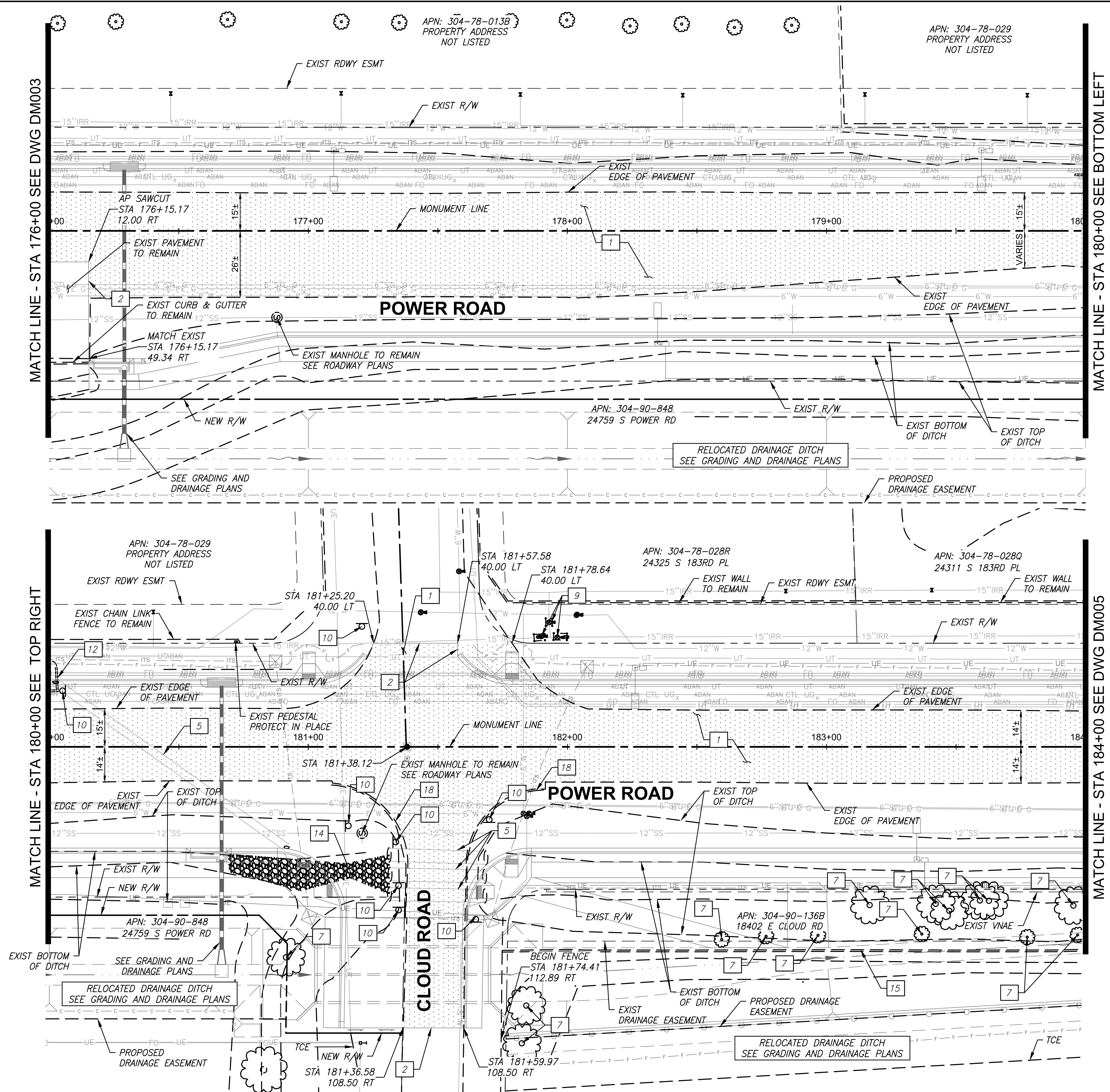
DESIGNED BY: MH  
DRAWN BY: BE

CIP PROJ NO. A1405

DRAWING NO. DM003

SHEET 21 OF 133

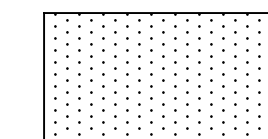




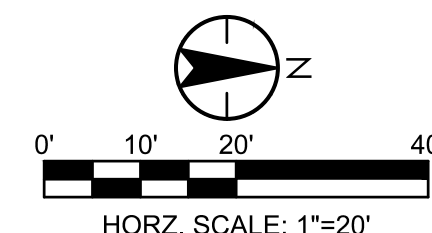
	REMOVAL NOTES	QUANTITY
1	Remove Existing Asphalt	3310 SY
2	Sawcut AC Pavement	114 LF
5	Remove Existing Pipe, Backfill & Compact (Greater than 30" Deep)	221 LF
7	Remove Existing Tree (Greater than 12")	15 EA
9	Existing STD Facilities, Protect in Place	- -
10	Remove Existing Sign and Post	8 EA
12	Remove Existing Headwall	1 EA
14	Remove Existing Grouted Rip Rap	66 SY
15	Remove Existing Fence - Woven Wire	260 LF
18	Remove Existing Concrete Single Curb	137 LF

- NOTES:
1. Proposed improvements shown for reference only, see Roadway Plans for details.
  2. For new location of relocated items, see Roadway Plans.

## REMOVAL LEGEND



REMOVE EXISTING ASPHALT



TOWN OF  
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POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
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## DEMOLITION PLANS

DESIGNED BY	MH
DRAWN BY	BE

CIP PROJ NO. A1405

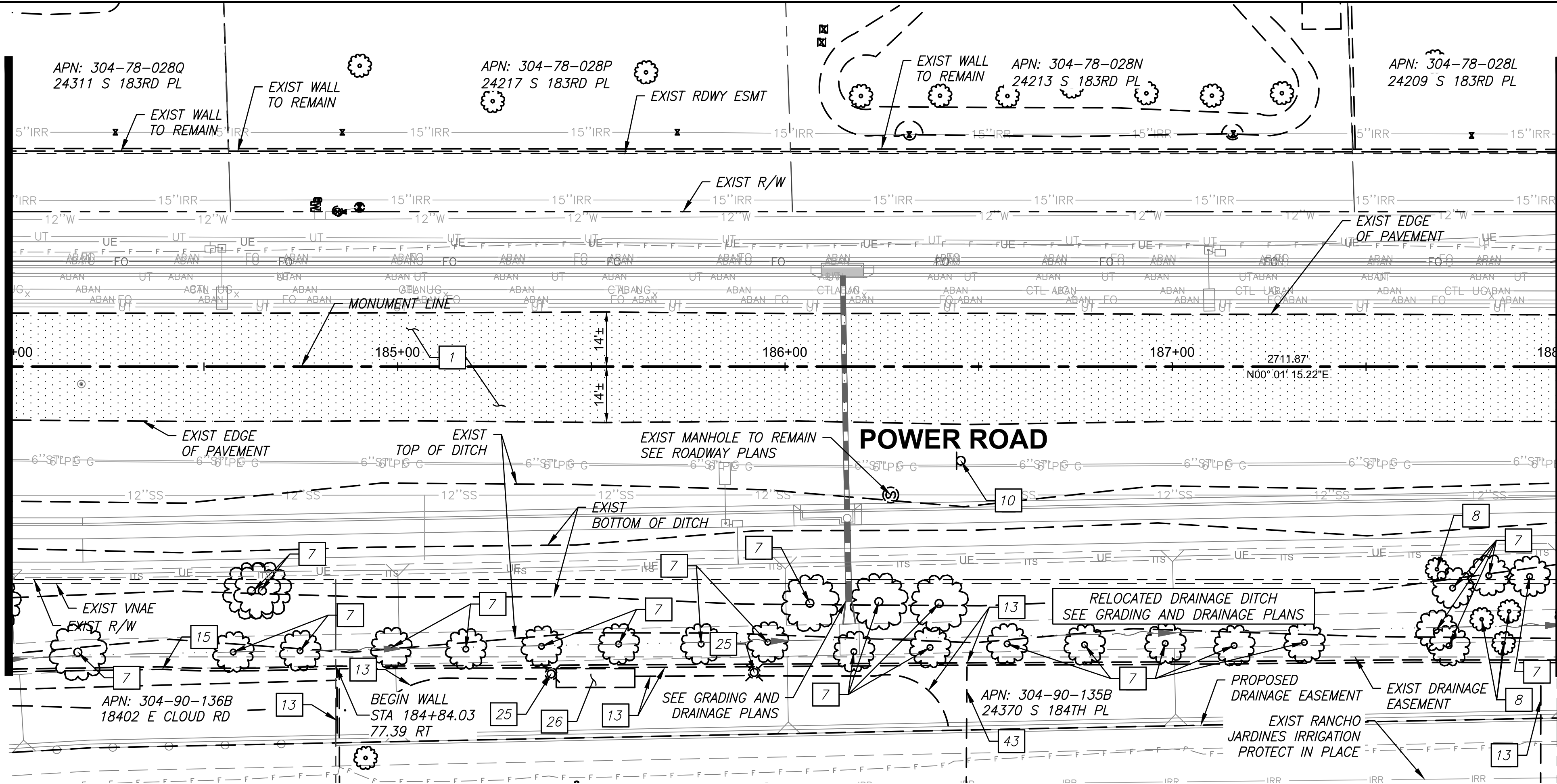
DRAWING NO. DM004

SHEET 22 OF 133



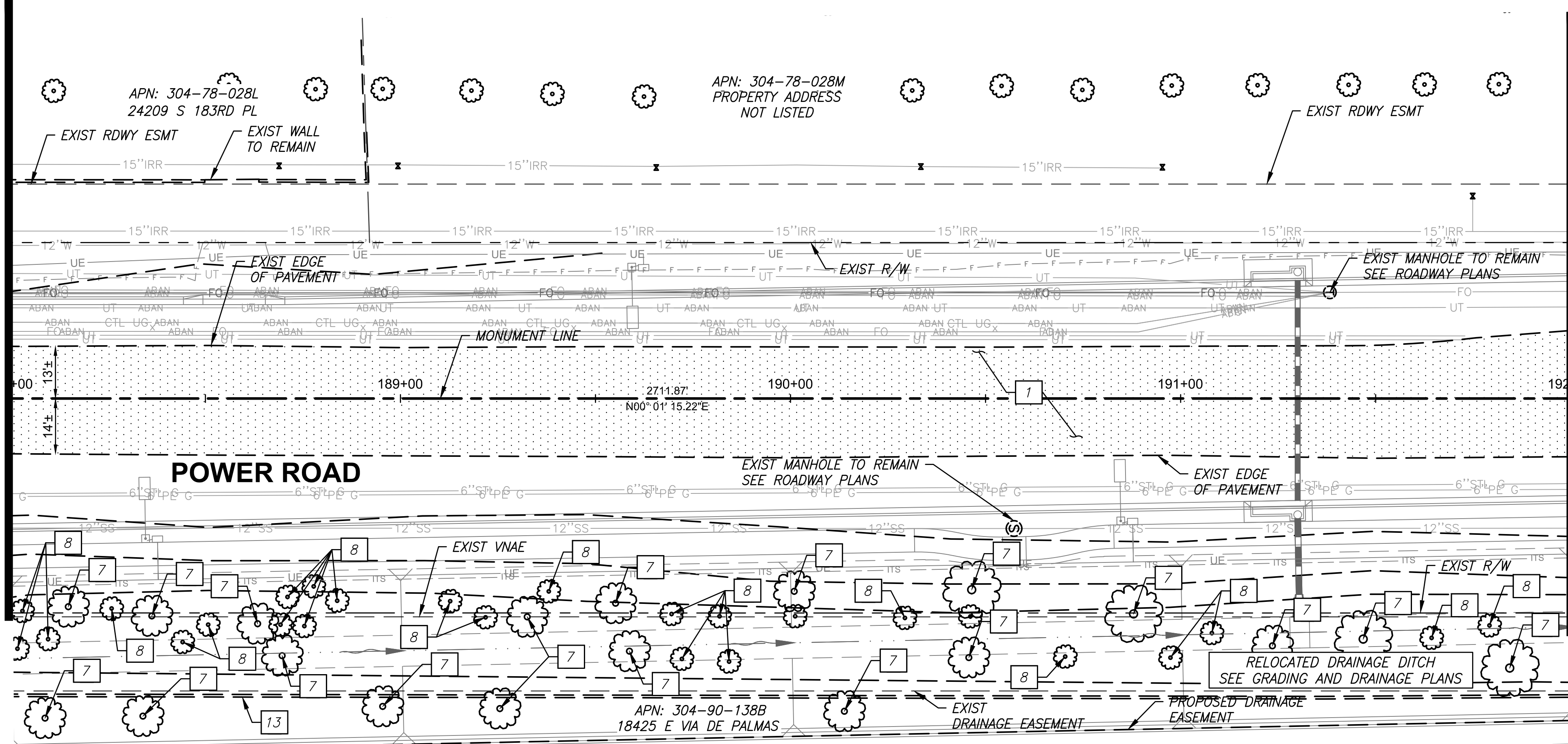
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MATCH LINE - STA 184+00 SEE DWG DM004



MATCH LINE - STA 188+00 SEE BOTTOM LEFT

MATCH LINE - STA 188+00 SEE SHEET TOP RIGHT

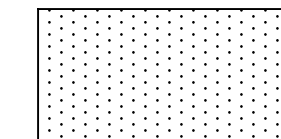


MATCH LINE - STA 192+00 SEE DWG DM006

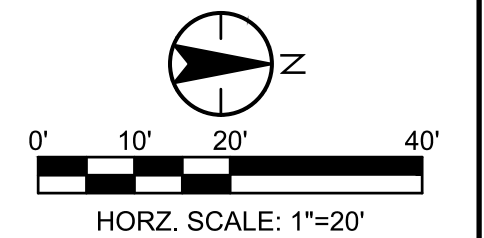
	REMOVAL NOTES	QUANTITY
1	Remove Existing Asphalt	2508 SY
7	Remove Existing Tree (Greater than 12")	57 EA
8	Remove Existing Tree (12" or less)	- NPI
10	Remove Existing Sign and Post	1 EA
13	Remove Existing Fence - Private Wall	888 LF
15	Remove Existing Fence - Woven Wire	84 LF
25	Remove and Salvage Private Street Light to Owner and Remove Foundation	- NPI
26	Remove Private CMU Storage Shed	- NPI
43	Remove Existing Fence - Chain Link	16 LF

- NOTES:
- Proposed improvements shown for reference only, see Roadway Plans for details.
  - For new location of relocated items, see Roadway Plans.

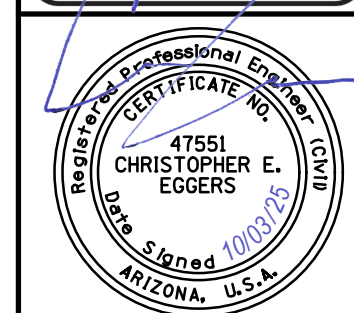
#### REMOVAL LEGEND



REMOVE EXISTING ASPHALT



**TOWN OF  
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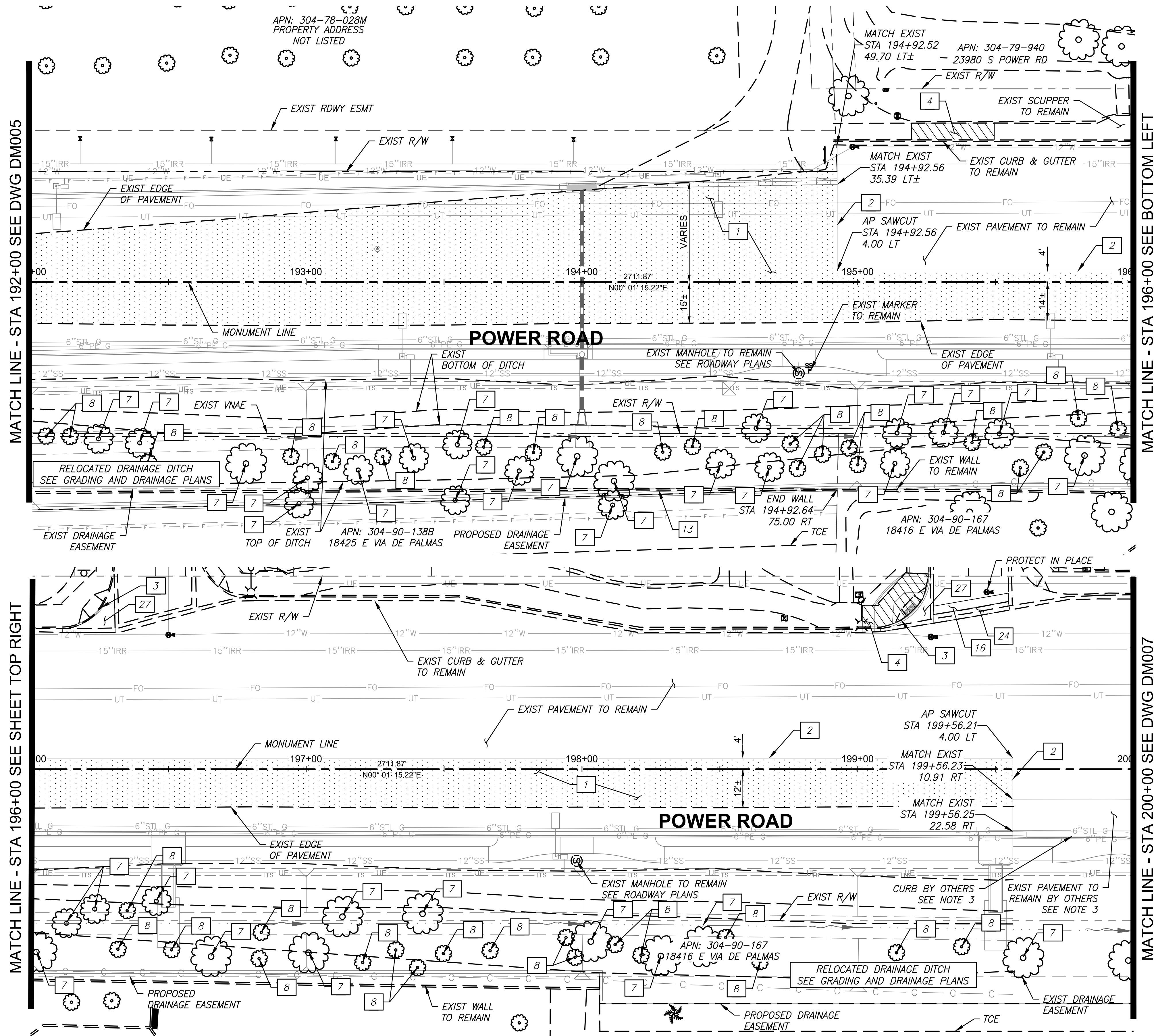
#### DEMOLITION PLANS

DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO.	DM005	SHEET 23 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



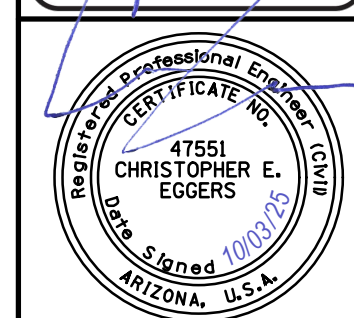
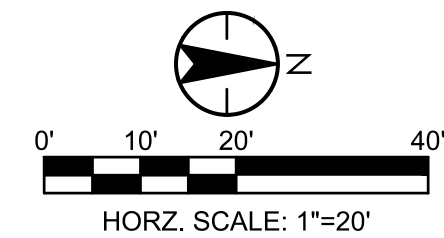
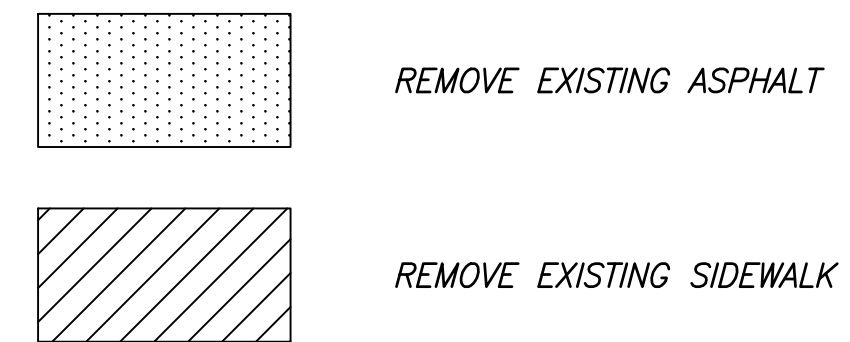
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	REMOVAL NOTES	QUANTITY
1	Remove Existing Asphalt	2354 SY
2	Sawcut AC Pavement	538 LF
3	Remove Existing Curb and Gutter	62 LF
4	Remove Existing Concrete Sidewalk	447 SF
7	Remove Existing Tree (Greater than 12")	46 EA
8	Remove Existing Tree (12" or less)	- NPI
13	Remove Existing Fence - Private Wall	293 LF
16	Remove Existing PCCP	83 SF
24	Remove Existing Concrete Valley Gutter	87 SY
27	Remove Existing Concrete Apron	155 SF

- NOTES:
- Proposed improvements shown for reference only, see Roadway Plans for details.
  - For new location of relocated items, see Roadway Plans.
  - Proposed improvements "BY OTHERS" shown for reference only, refer to Town of Queen Creek Project Number 6862 - "SEC Power Road & Chandler Heights Road", for details.

#### REMOVAL LEGEND



POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



#### DEMOLITION PLANS

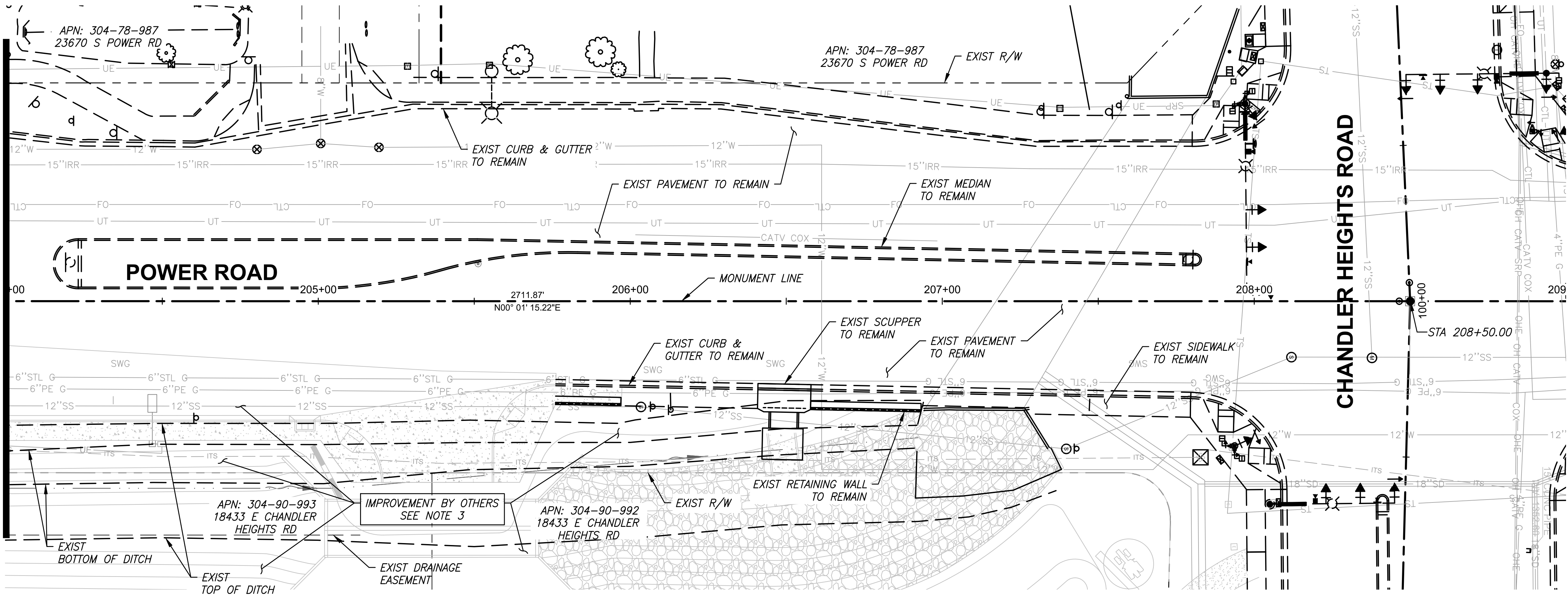
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DRAWN BY	BE	
DRAWING NO.	DM006	SHEET 24 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

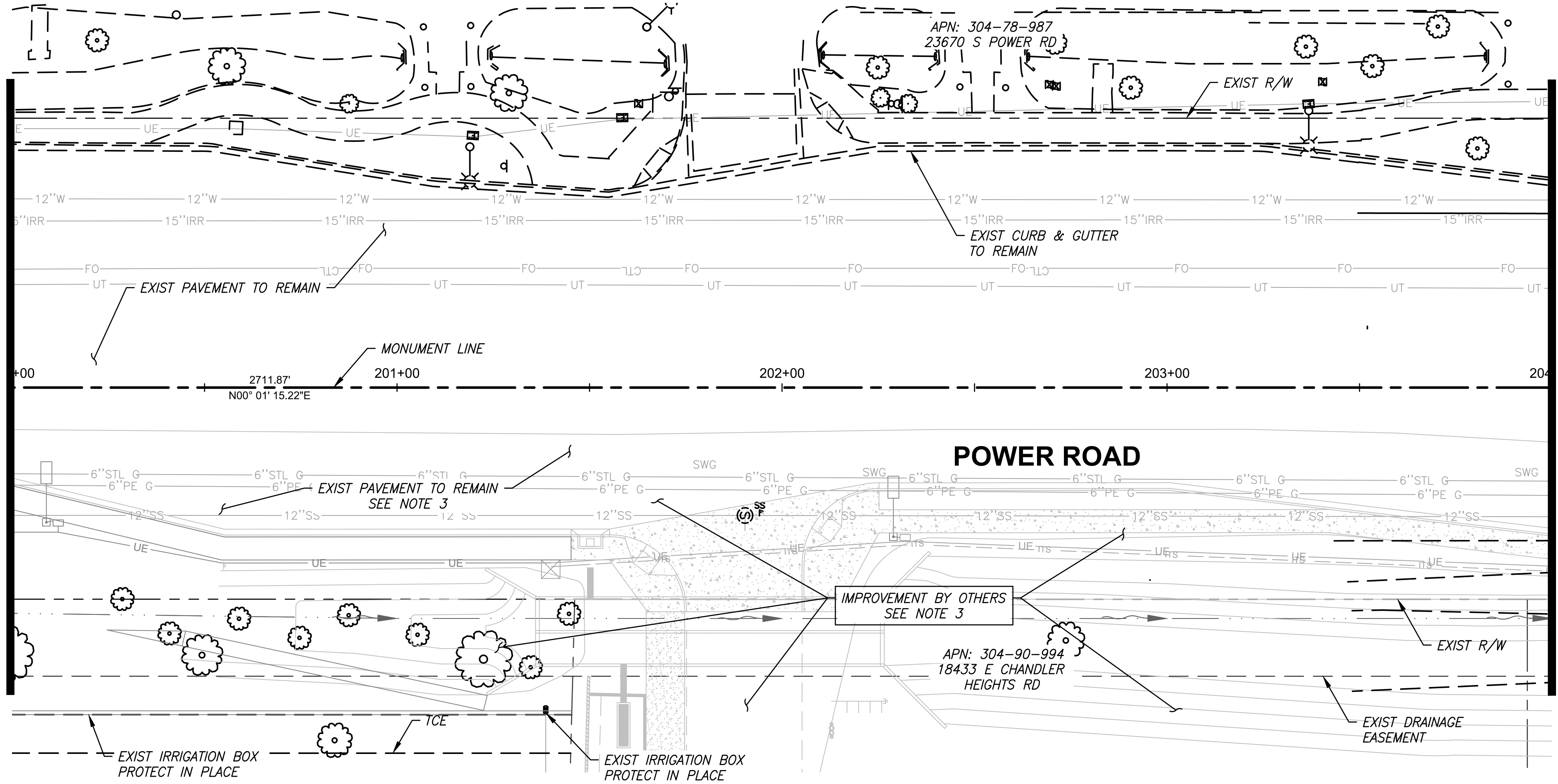


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MATCH LINE - STA 204+00 SEE TOP RIGHT



MATCH LINE - STA 200+00 SEE DWG DM006

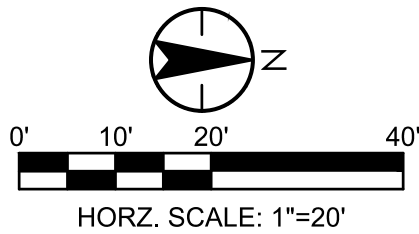


MATCH LINE - STA 204+00 SEE BOTTOM LEFT

REMOVAL NOTES

QUANTITY

- NOTES:
- Proposed improvements shown for reference only, see Roadway Plans for details.
  - For new location of relocated items, see Roadway Plans.
  - Proposed improvements "BY OTHERS" shown for reference only, refer to Town of Queen Creek Project Number 6862 - "SEC Power Road & Chandler Heights Road", for details.



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POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

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DEMOLITION PLANS

DESIGNED BY: MH  
DRAWN BY: BE

CIP PROJ NO. A1405

DRAWING NO. DM007

SHEET 25 OF 133


PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025




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ROADWAY CONSTRUCTION NOTES	QUANTITY
7 Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	239 SY
10 Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	1082 SF
29 Sidewalk/DG Path Transitions Per Detail D, Drawing No. DT002	- -




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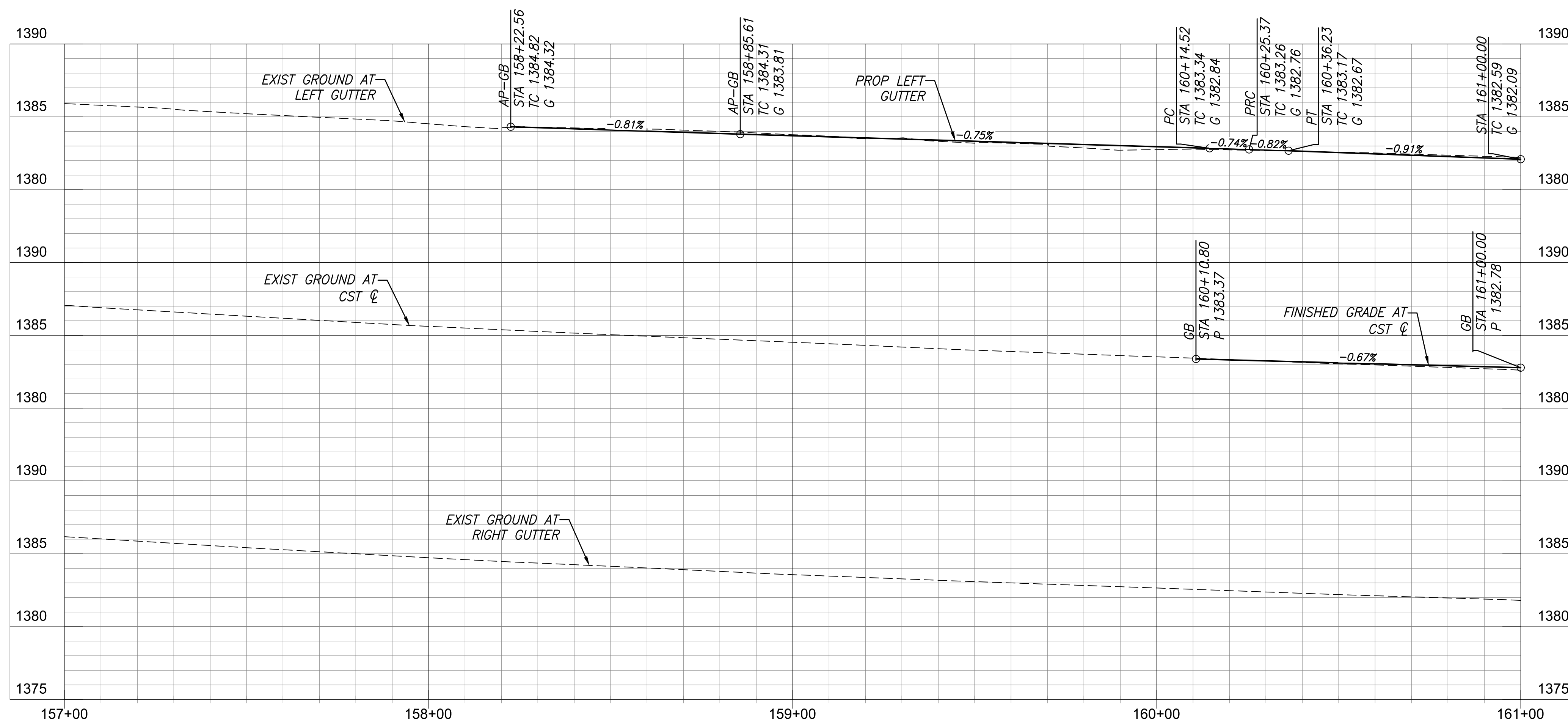
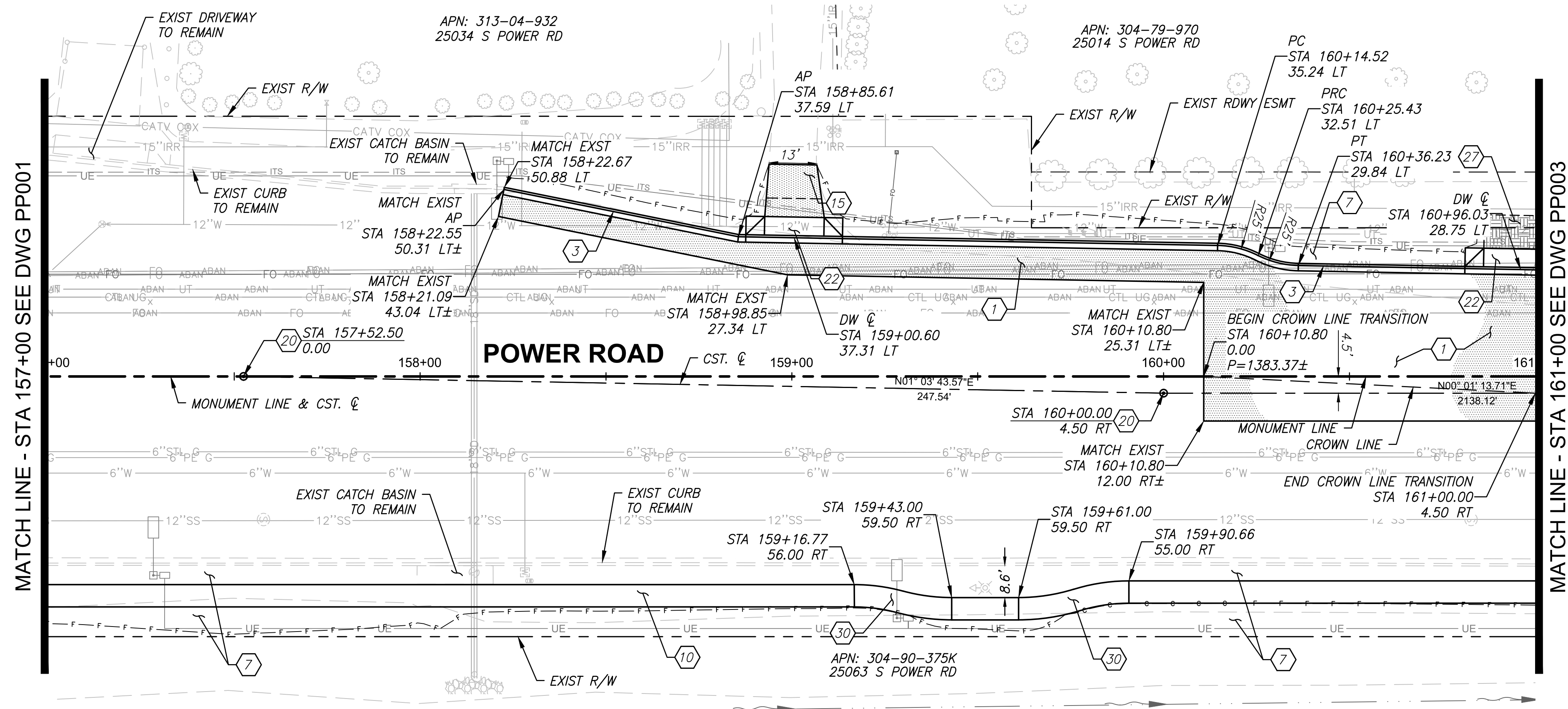
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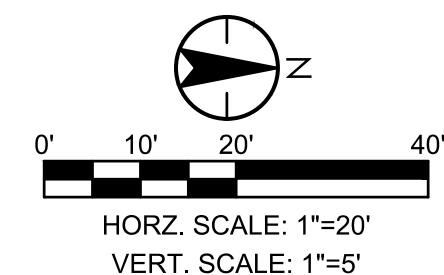
DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. PP001		SHEET 26 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025





ROADWAY CONSTRUCTION NOTES		QUANTITY	
1	Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	567	SY
3	6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	280	LF
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	1243	SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	2420	SF
15	Install AC Pavement Driveway Connection per Structural Section #4, 16' Wide Unless Noted Otherwise	203	SF
20	Install Survey Marker, Type B, per MAG Std Det 120	2	EA
22	Concrete Driveway Entrance, MAG Std Det 250-1 (MOD). 16' Wide Unless Noted Otherwise	225	SF
27	Install Driveway Gravel Connection per Structural Section #6, 16' Wide Unless Noted Otherwise	14	SY
30	Sidewalk/DG Path Transition per Detail E, Drawing No. DT002	-	-



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DRAWN BY	B

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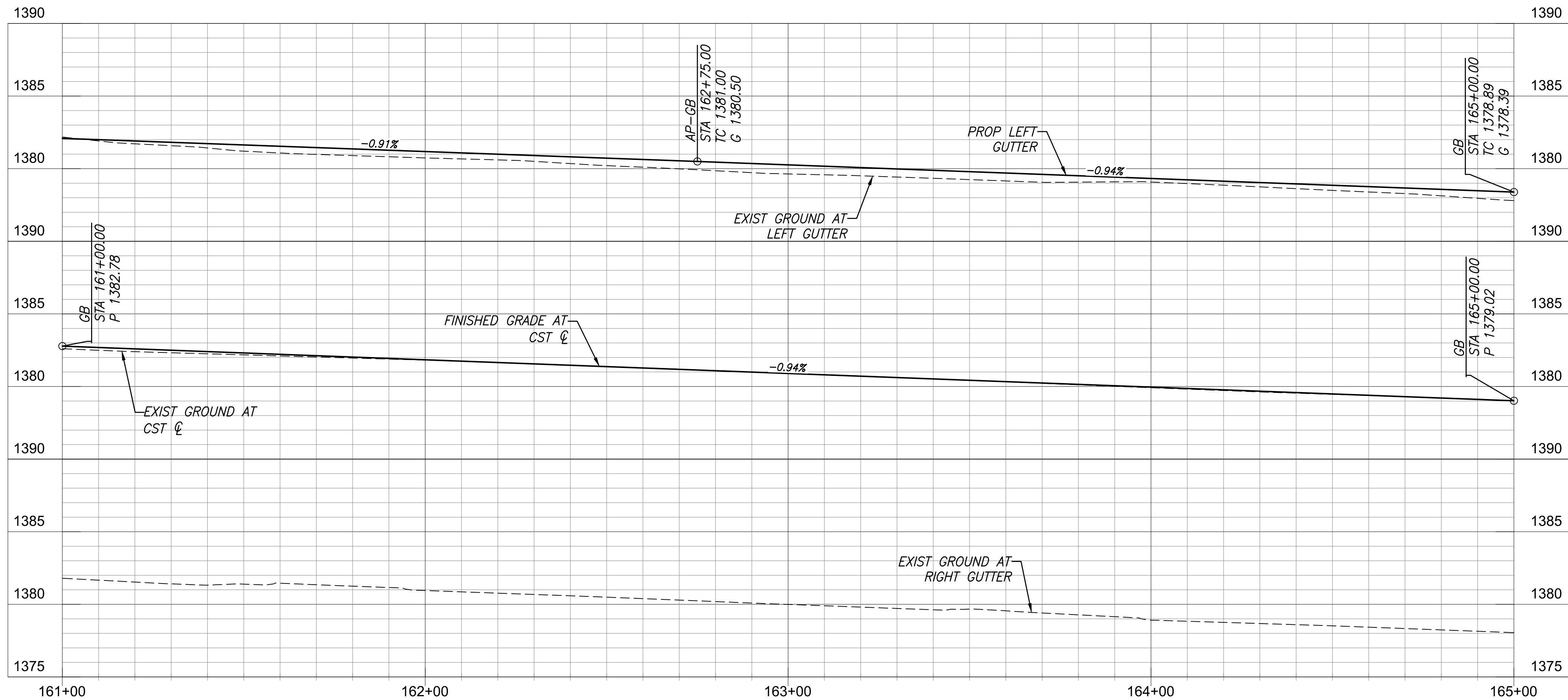
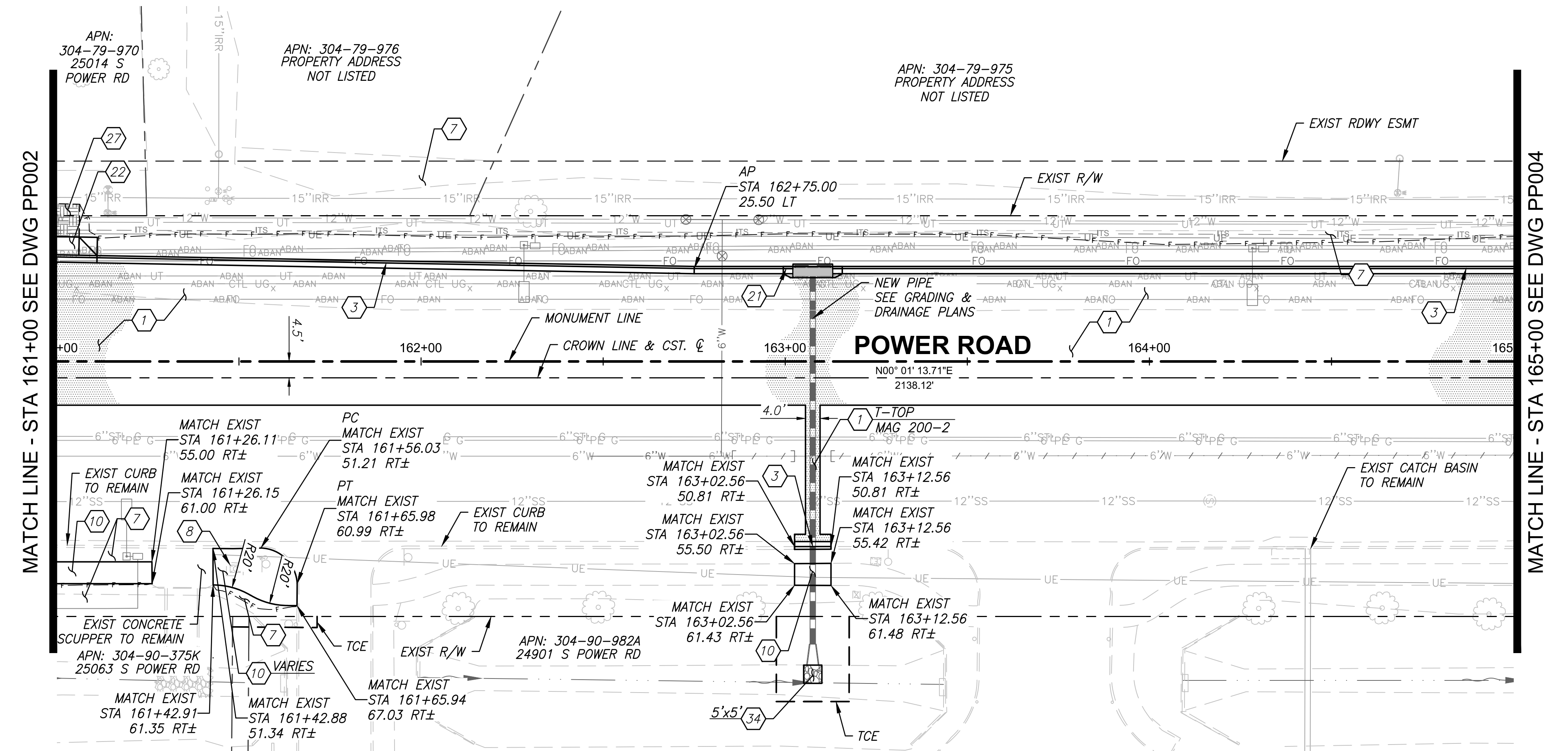
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SHEET 27 OF 133

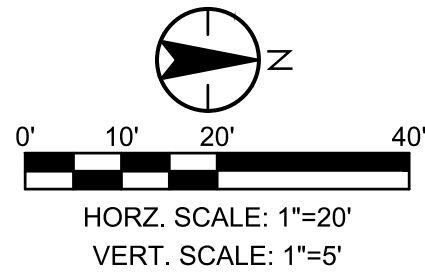
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ROADWAY CONSTRUCTION NOTES	QUANTITY
1 Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	1653 SY
3 6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	410 LF
7 Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	636 SY
8 Adjust Communication Junction Box to Grade	0 EA
10 Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	501 SF
21 Catch Basin, See Grading & Drainage Plans	- -
22 Concrete Driveway Entrance, MAG Std Det 250-1 (MOD). 16' Wide Unless Noted Otherwise	56 SF
27 Install Driveway Gravel Connection per Structural Section #6, 16' Wide Unless Noted Otherwise	7 SY
34 Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	1 CY



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**TOWN OF**  
**QUEEN CREEK**

Professional Engineer  
17551  
CHRISTOPHER E. EGGERS  
Signed 10/03/25  
ARIZONA, U.S.A.

POWER ROAD:  
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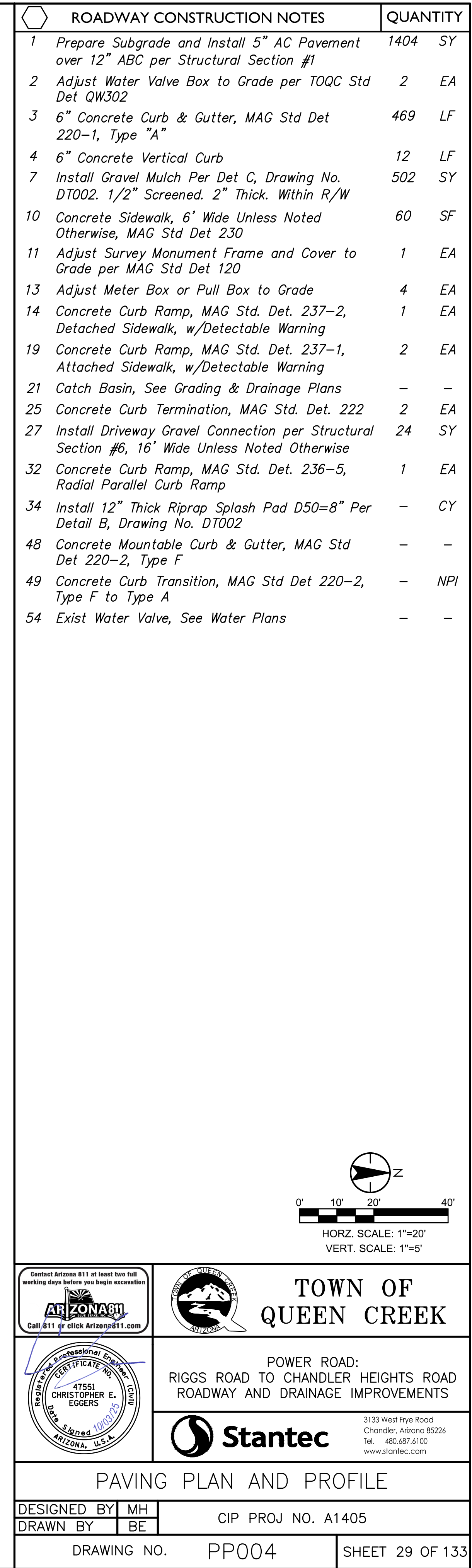
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DRAWING NO. PP003

SHEET 28 OF 133

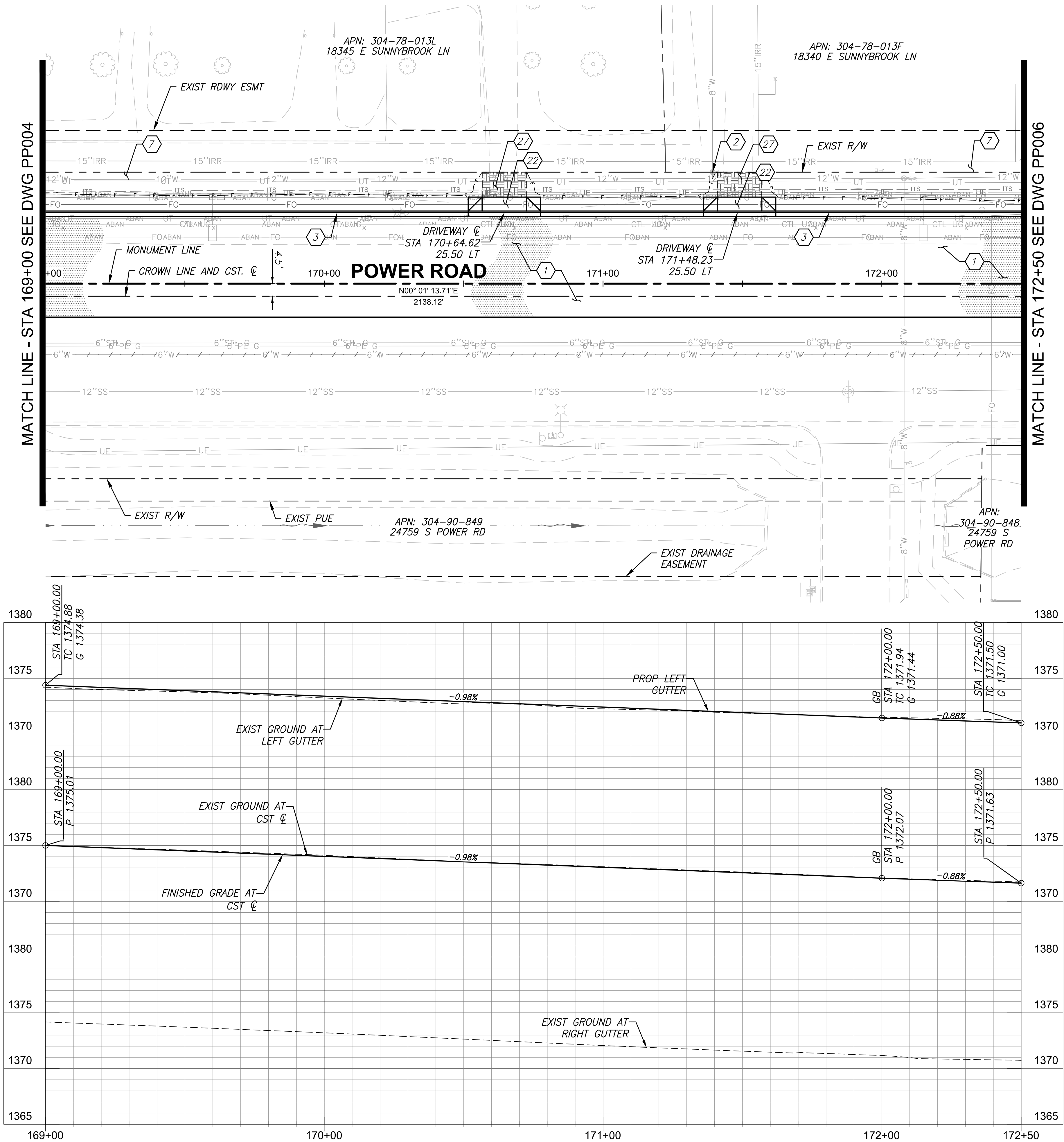
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ROADWAY CONSTRUCTION NOTES	QUANTITY	
1 Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	1707	SY
2 Adjust Water Valve Box to Grade per TOQC Std Det QW302	1	EA
3 6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	350	LF
7 Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	481	SY
22 Concrete Driveway Entrance, MAG Std Det 250-1 (MOD). 16' Wide Unless Noted Otherwise	260	SF
27 Install Driveway Gravel Connection per Structural Section #6, 16' Wide Unless Noted Otherwise	32	SY

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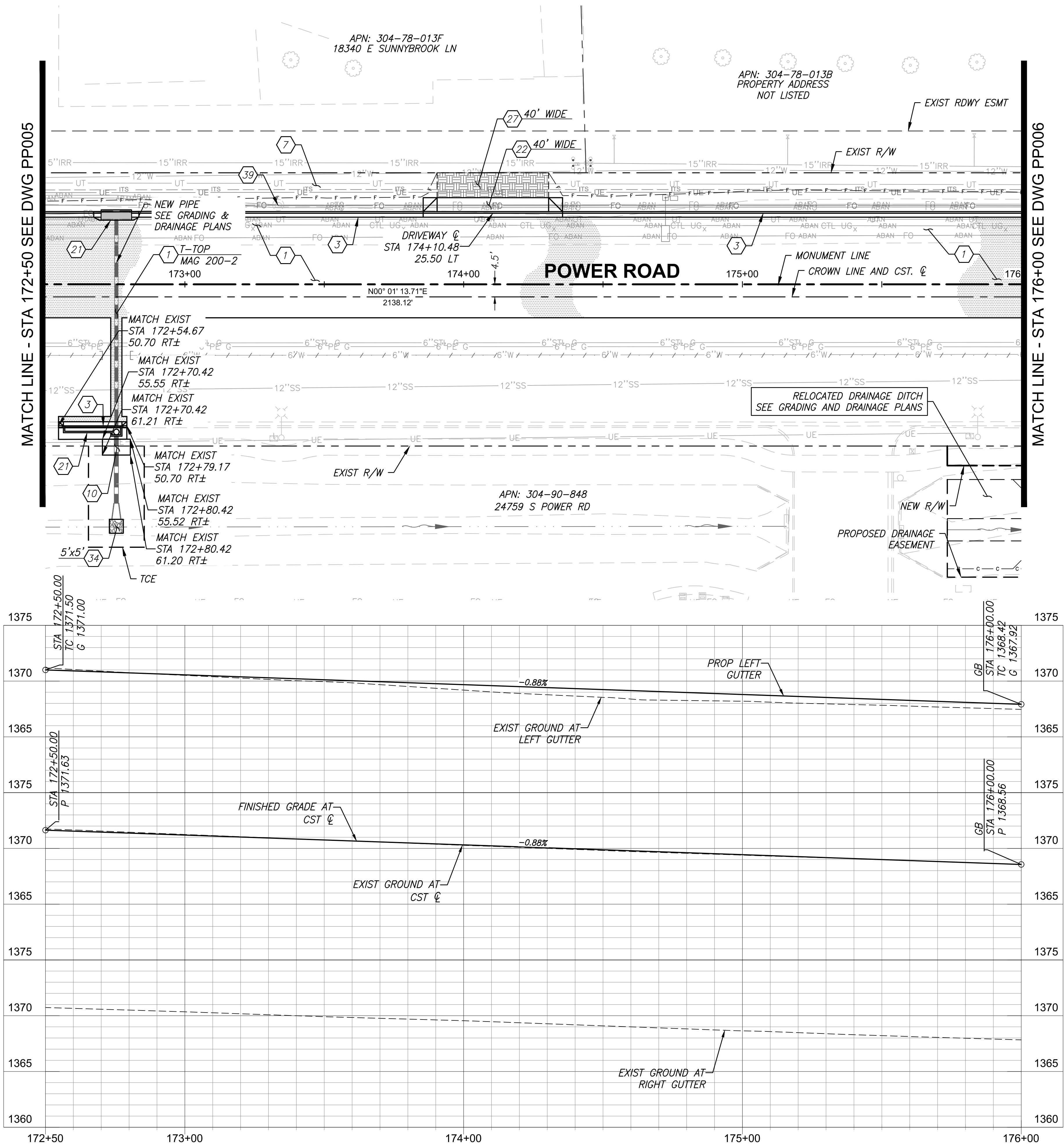
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DRAWN BY: BE	

DRAWING NO. PP005	SHEET 30 OF 133
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ROADWAY CONSTRUCTION NOTES		QUANTITY
1	Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	1425 SY
3	6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	375 LF
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	441 SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	57 SF
21	Catch Basin, See Grading & Drainage Plans	- -
22	Concrete Driveway Entrance, MAG Std Det 250-1 (MOD). 16' Wide Unless Noted Otherwise	250 SF
27	Install Driveway Gravel Connection per Structural Section #6, 16' Wide Unless Noted Otherwise	40 SY
34	Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	1 CY
39	Coordinate with Century Link to Adjust Manhole Frame and Cover to Grade	- NPI

0' 10' 20' 40'  
HORZ. SCALE: 1"=20'  
VERT. SCALE: 1"=5'

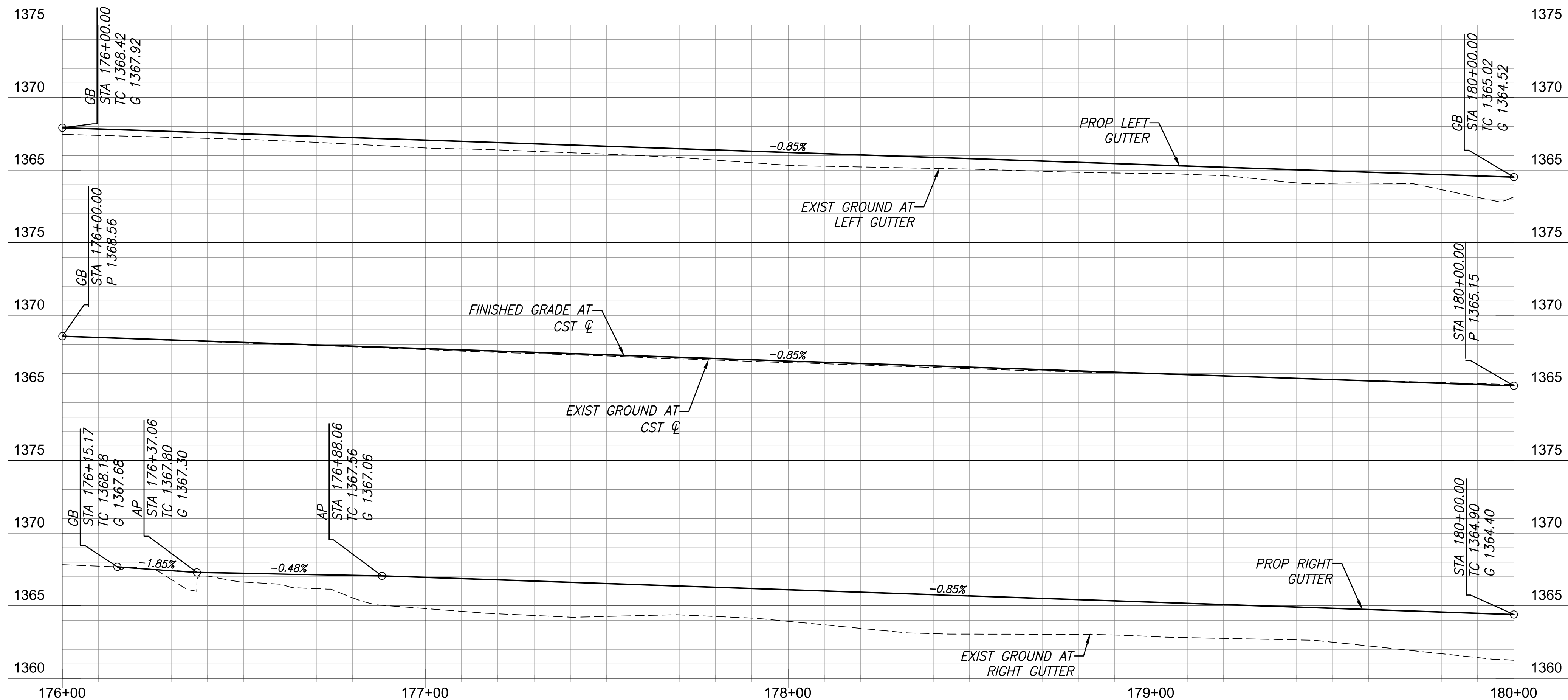
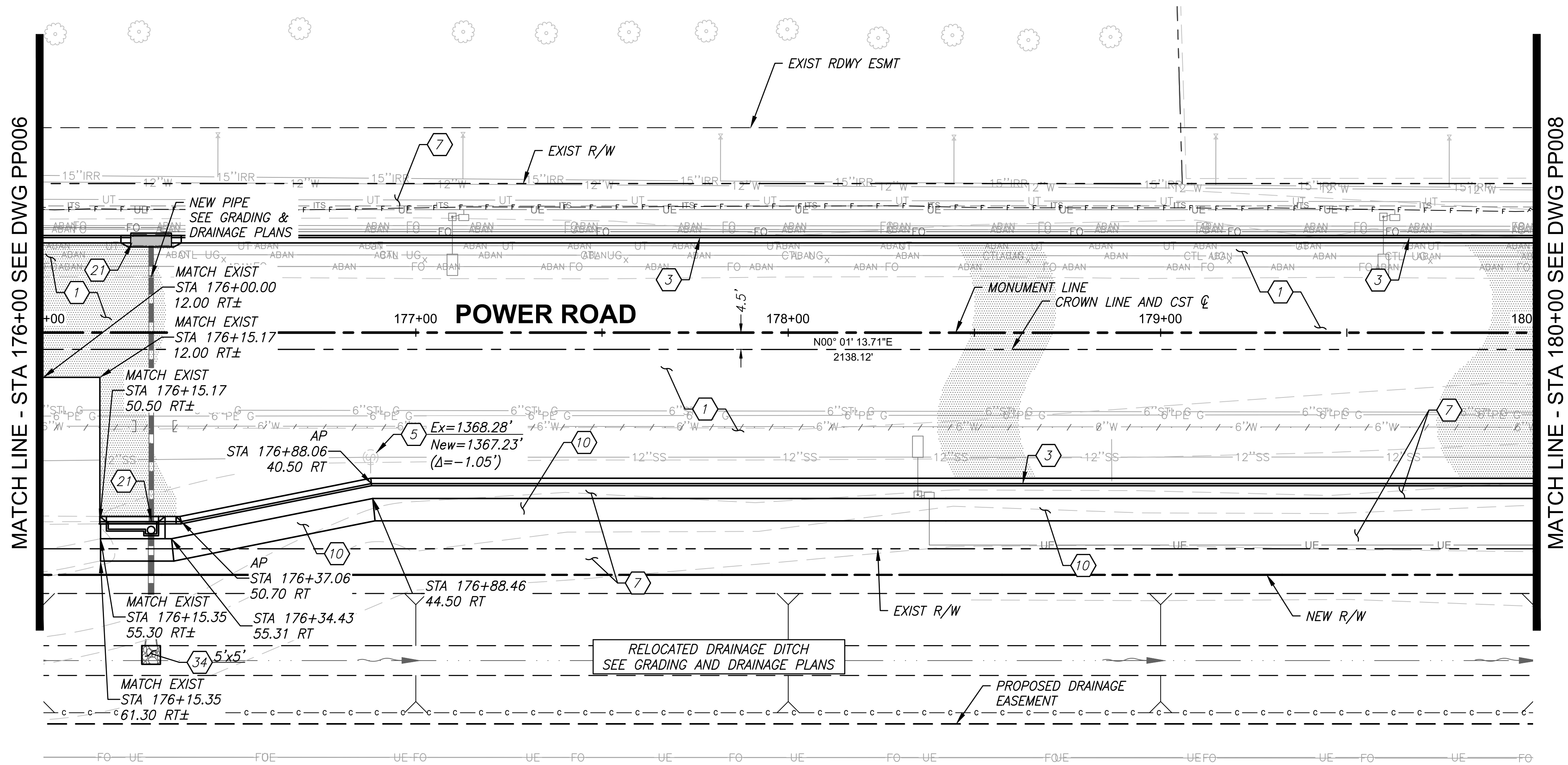
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ROADWAY CONSTRUCTION NOTES		QUANTITY	
1	Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	2816	SY
3	6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	786	LF
5	Adjust Manhole, Frame & Cover, MAG Std Det 422	1	EA
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	3129	SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	2315	SF
21	Catch Basin, See Grading & Drainage Plans	-	-
34	Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	1	CY

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Professional Engineer

17551

CHRISTOPHER E. EGGERS

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10/03/2025

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POWER ROAD:

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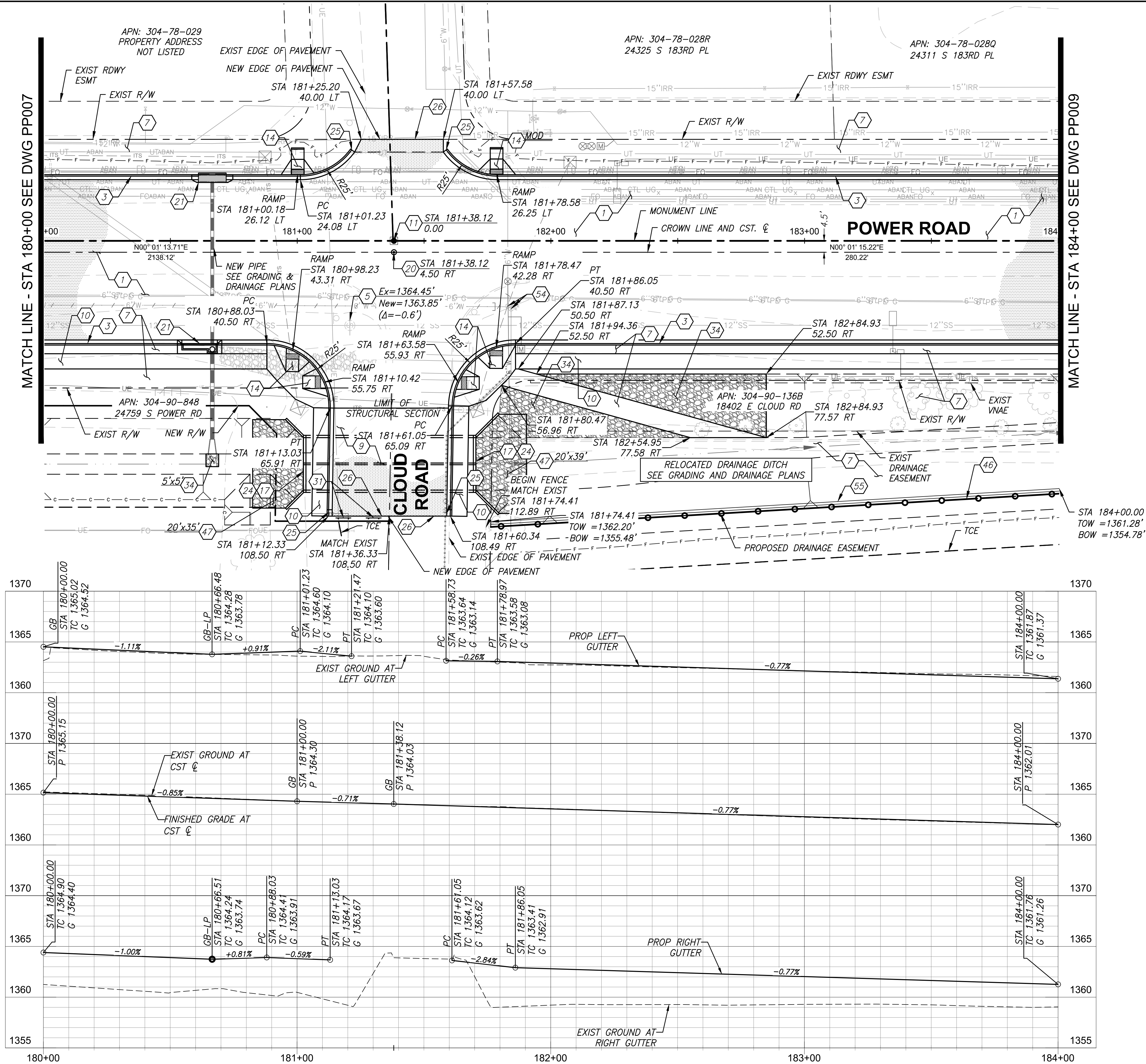
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SHEET 32 OF 133

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ROADWAY CONSTRUCTION NOTES		QUANTITY
1	Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	3052 SY
3	6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	836 LF
4	6" Concrete Vertical Curb	10 LF
5	Adjust Manhole, Frame & Cover, MAG Std Det 422	1 EA
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	2490 SY
9	Prepare Subgrade and Install 4" AC Pavement over 10" ABC per Structural Section #2	214 SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	2759 SF
11	Adjust Survey Monument Frame and Cover to Grade per MAG Std Det 120	1 EA
14	Concrete Curb Ramp, MAG Std. Det. 237-2, Detached Sidewalk, w/Detectable Warning	4 EA
17	Headwall, See Grading & Drainage Plans	-
20	Install Survey Marker, Type B, per MAG Std Det 120	1 EA
21	Catch Basin, See Grading & Drainage Plans	-
24	Install Safety Rail per MAG Std Det 145 & 206-2	- NPI
25	Concrete Curb Termination, MAG Std. Det. 222	4 EA
26	AC Thickened Edge per MAG Std Det 201, Type "B"	- NPI
31	Install Barricade, per MAG Std Det 130, Type A	12 LF
34	Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	69 CY
46	Woven Wire Fence, ADOT Std. C-12.10, Type 4	226 LF
47	Install 18" Thick Riprap Splash Pad D50=12" Per Detail B, Drawing No. DT002	75 CY
54	Exist Water Valve, See Water Plans	-
55	Install Controlled Low Strength Material (CLSM) Wall Per Det H, Drawing No. DT006	56 CY

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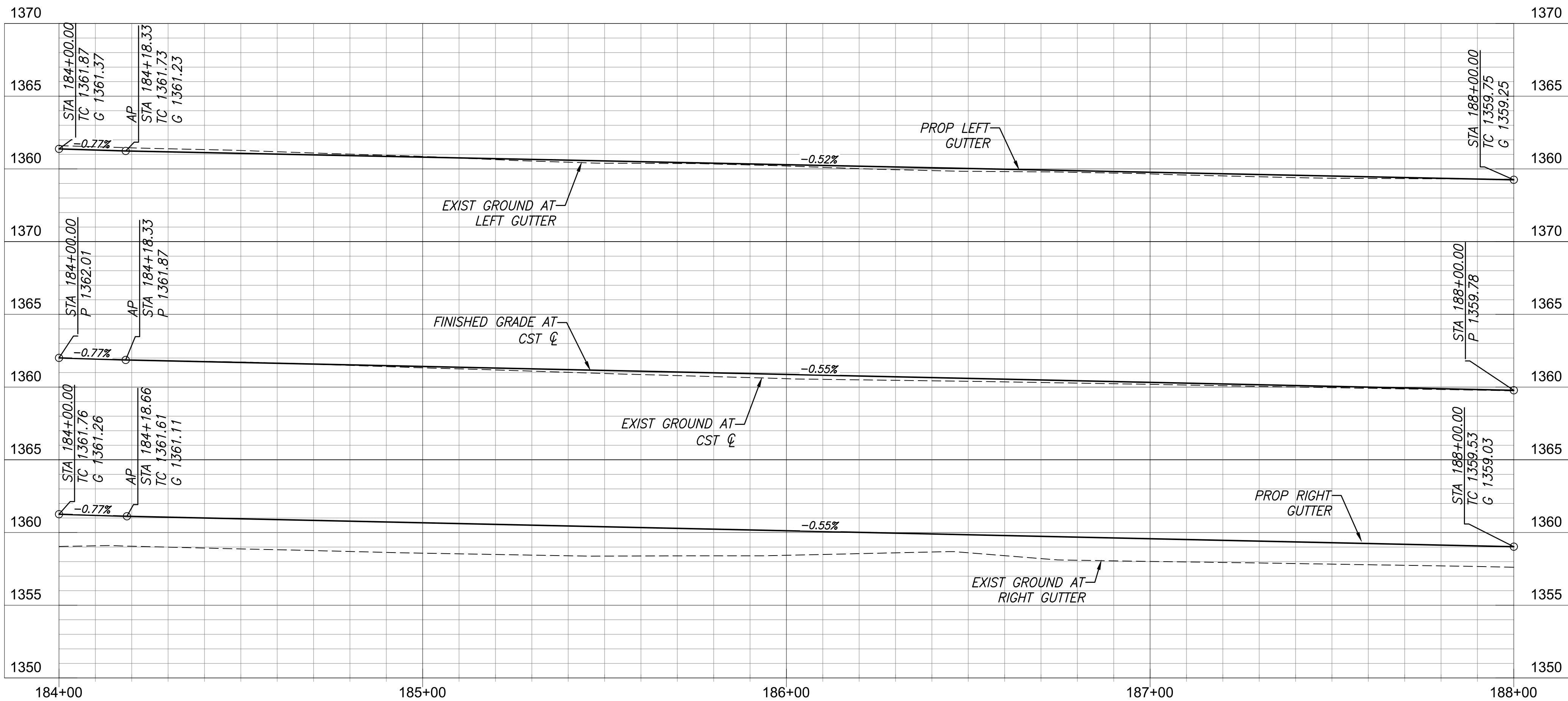
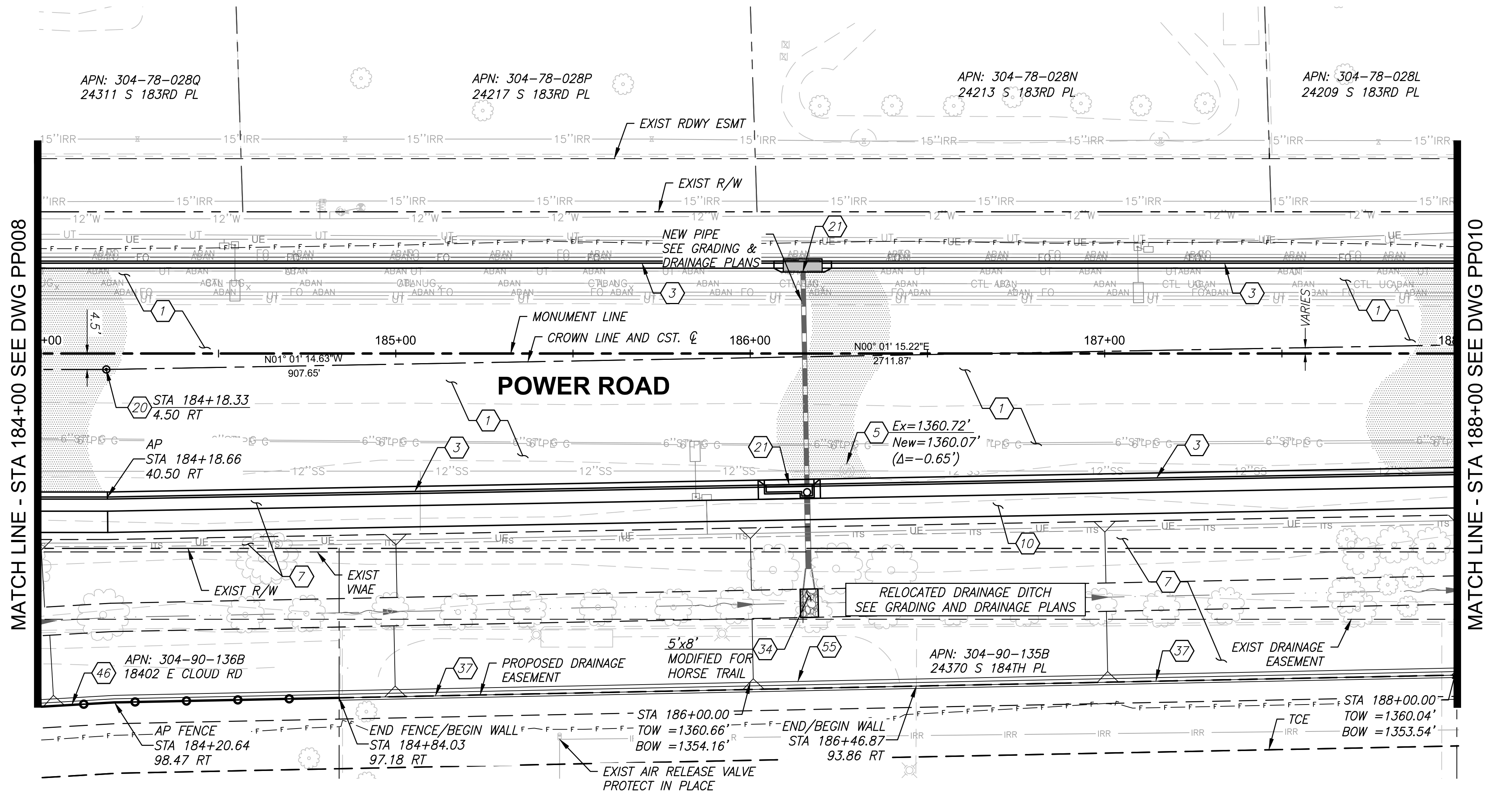
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DRAWING NO. PP008		SHEET 33 OF 133

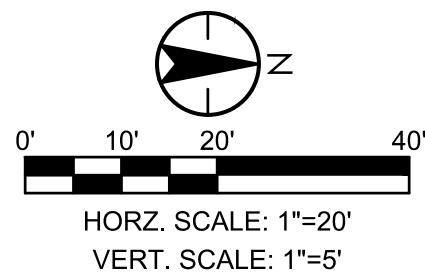
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ROADWAY CONSTRUCTION NOTES	QUANTITY
1 Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	2661 SY
3 6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	801 LF
5 Adjust Manhole, Frame & Cover, MAG Std Det 422	1 EA
7 Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	2734 SY
10 Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	2401 SF
20 Install Survey Marker, Type B, per MAG Std Det 120	1 EA
21 Catch Basin, See Grading & Drainage Plans	- -
34 Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	1 CY
37 CMU Wall, Match Existing Top of Wall	316 LF
46 Woven Wire Fence, ADOT Std. C-12.10, Type 4	84 LF
55 Install Controlled Low Strength Material (CLSM) Wall Per Det H, Drawing No. DT006	96 CY



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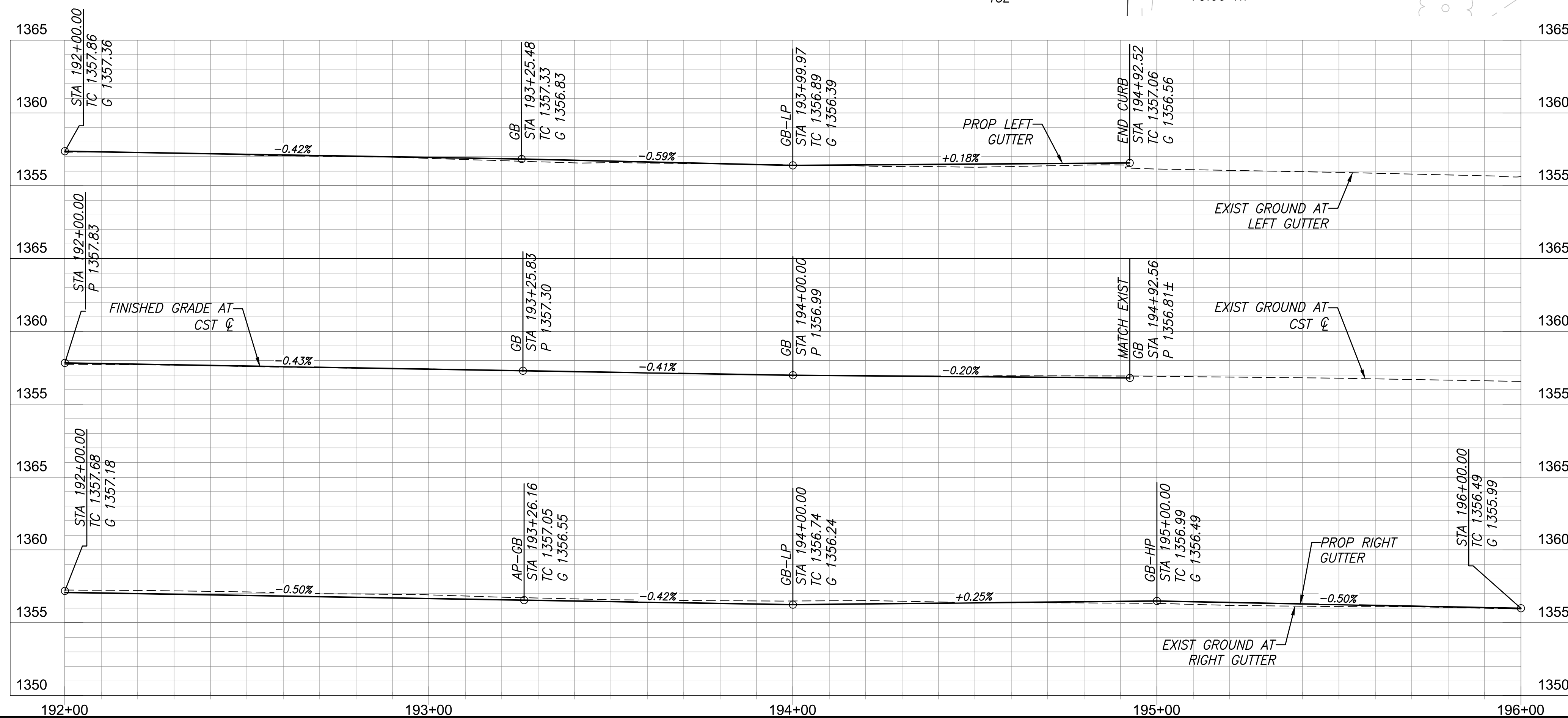
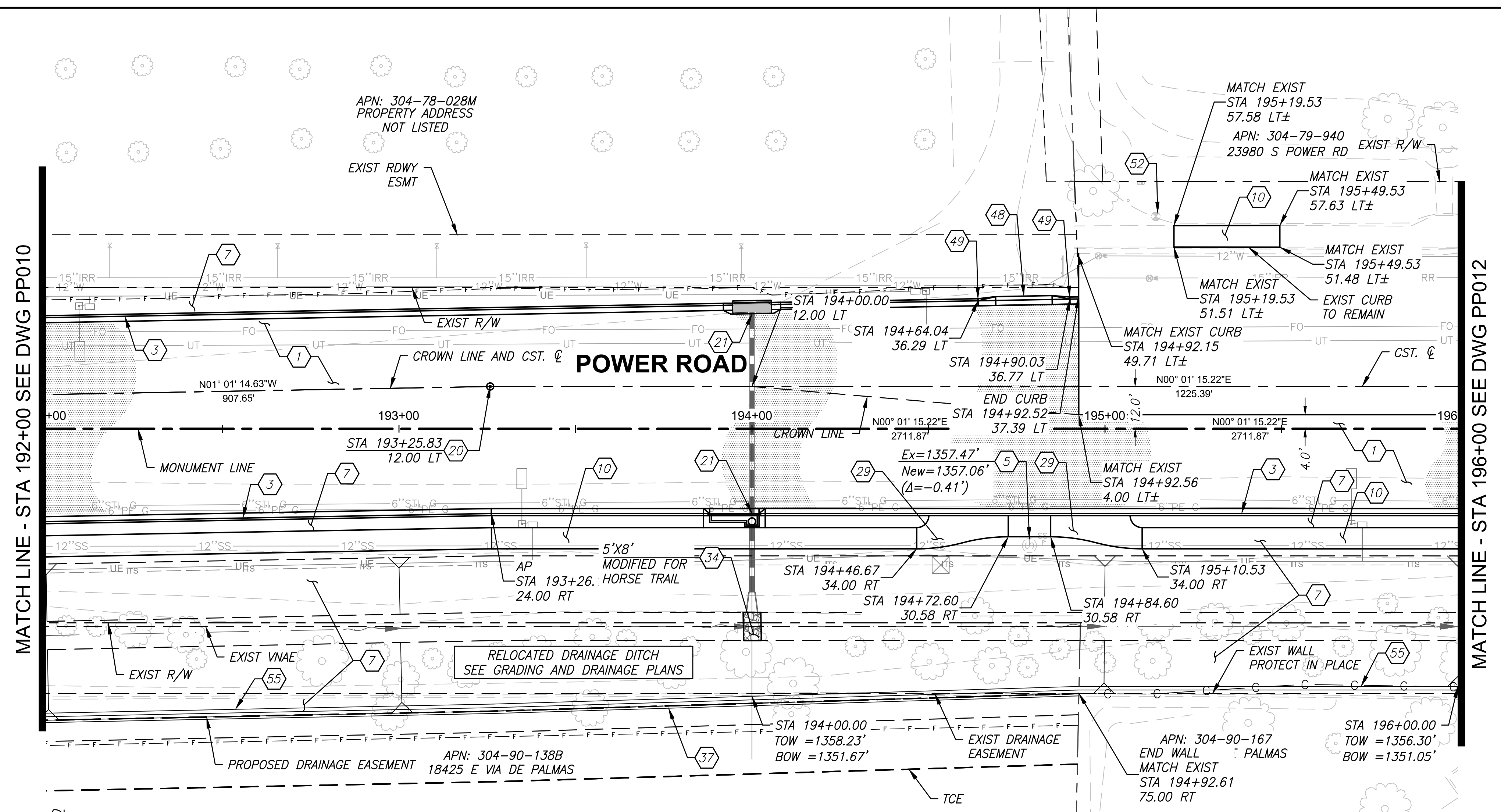
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DRAWING NO. PP009	SHEET 34 OF 133

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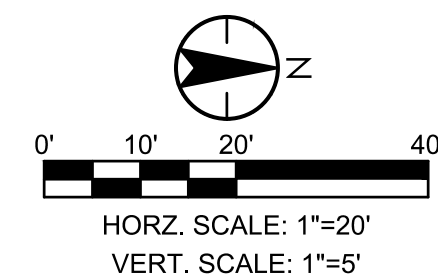




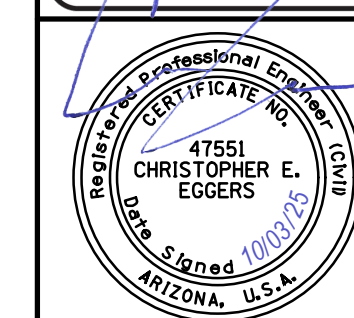




ROADWAY CONSTRUCTION NOTES		QUANTITY	
1	Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	2127	SY
3	6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	692	LF
5	Adjust Manhole, Frame & Cover, MAG Std Det 422	1	EA
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	2208	SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	2550	SF
20	Install Survey Marker, Type B, per MAG Std Det 120	1	EA
21	Catch Basin, See Grading & Drainage Plans	-	-
29	Sidewalk/DG Path Transitions Per Detail D, Drawing No. DT002	-	-
34	Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	11	CY
37	CMU Wall, Match Existing Top of Wall	293	LF
52	Adjust Fire Hydrant to Grade	1	EA
55	Install Controlled Low Strength Material (CLSM) Wall Per Det H, Drawing No. DT006	97	CY



TOWN OF  
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POWER ROAD:  
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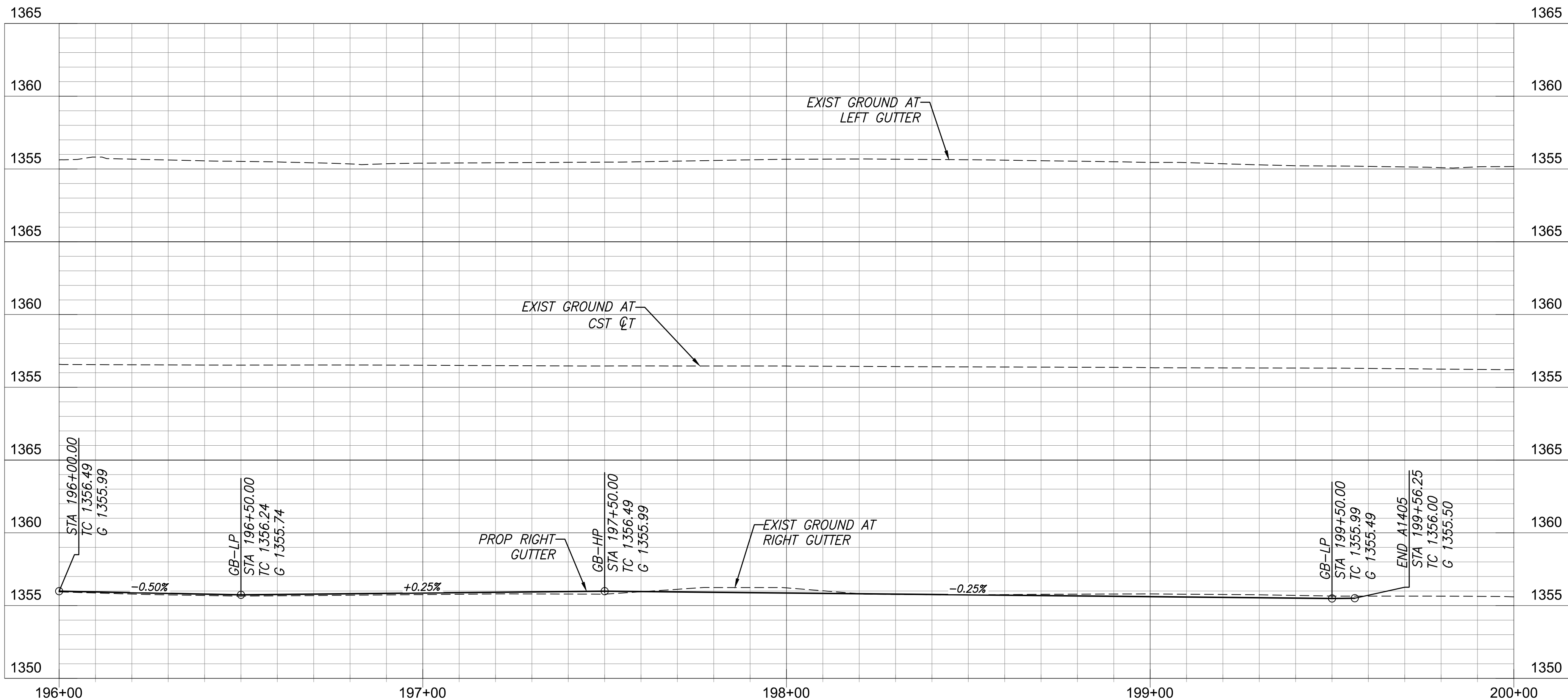
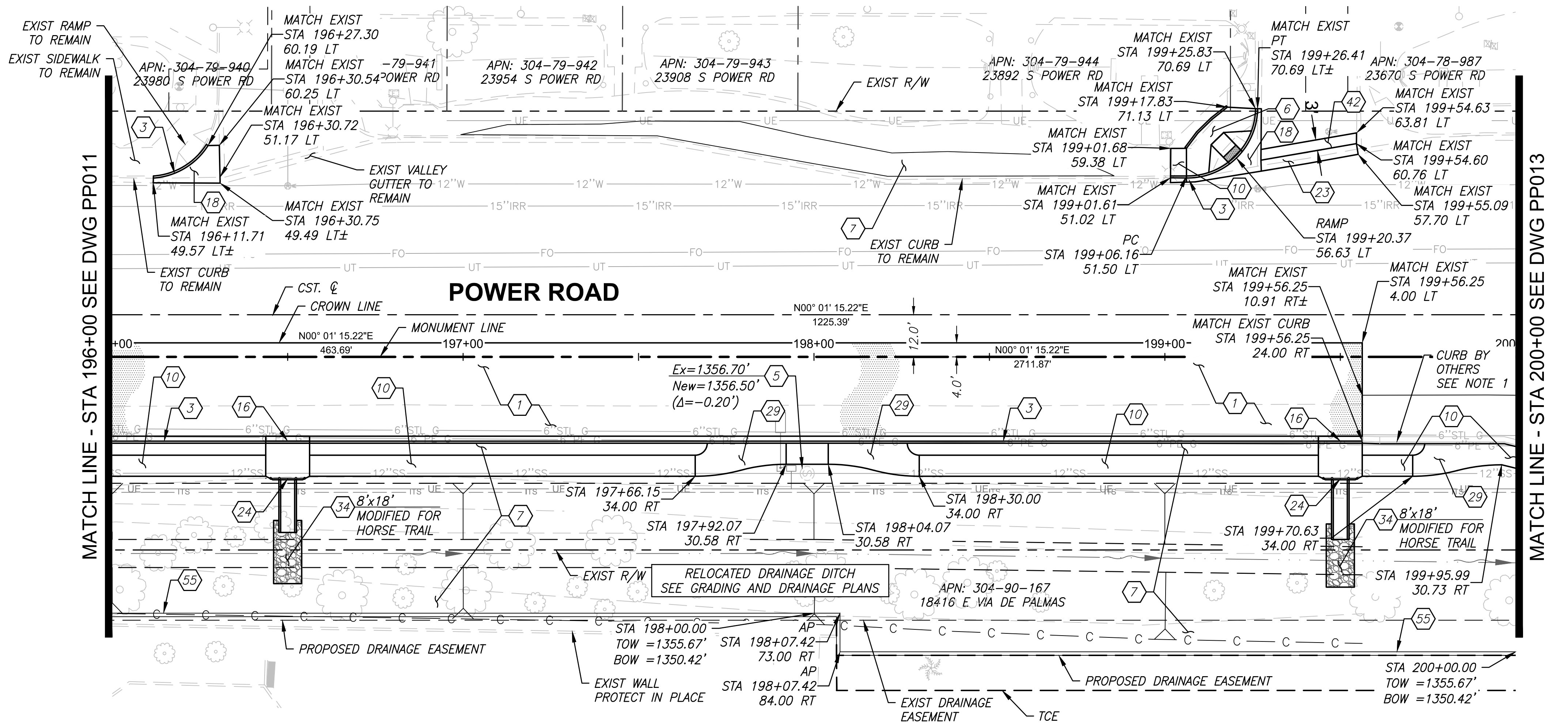
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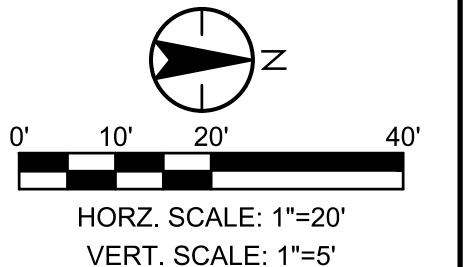


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ROADWAY CONSTRUCTION NOTES		QUANTITY	
1	Prepare Subgrade and Install 5" AC Pavement over 12" ABC per Structural Section #1	1053	SY
3	6" Concrete Curb & Gutter, MAG Std Det 220-1, Type "A"	427	LF
5	Adjust Manhole, Frame & Cover, MAG Std Det 422	1	EA
6	Radial Curb Ramp, MAG Std. Det. 236-1, Attached Sidewalk	1	EA
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	2289	SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	2389	SF
16	Concrete Scupper, See Grading & Drainage Plans	-	-
18	Install Concrete Apron per MAG Std Det 240	210	SF
23	Install New Concrete Valley Gutter	10	SY
24	Install Safety Rail per MAG Std Det 145 & 206-2	-	NPI
29	Sidewalk/DG Path Transitions Per Detail D, Drawing No. DT002	-	-
34	Install 12" Thick Riprap Splash Pad D50=8" Per Detail B, Drawing No. DT002	10	CY
42	Remove and Replace Existing PCC Driveway	83	SF
55	Install Controlled Low Strength Material (CLSM) Wall Per Det H, Drawing No. DT006	78	CY

NOTES:  
1. Proposed improvements "BY OTHERS" shown for reference only, refer to Town of Queen Creek Project Number 6862 - "SEC Power Road & Chandler Heights Road", for details.



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**TOWN OF**  
**QUEEN CREEK**

Professional Engineer  
17551  
CHRISTOPHER E. EGERS  
Signed 10/03/25  
ARIZONA, U.S.A.

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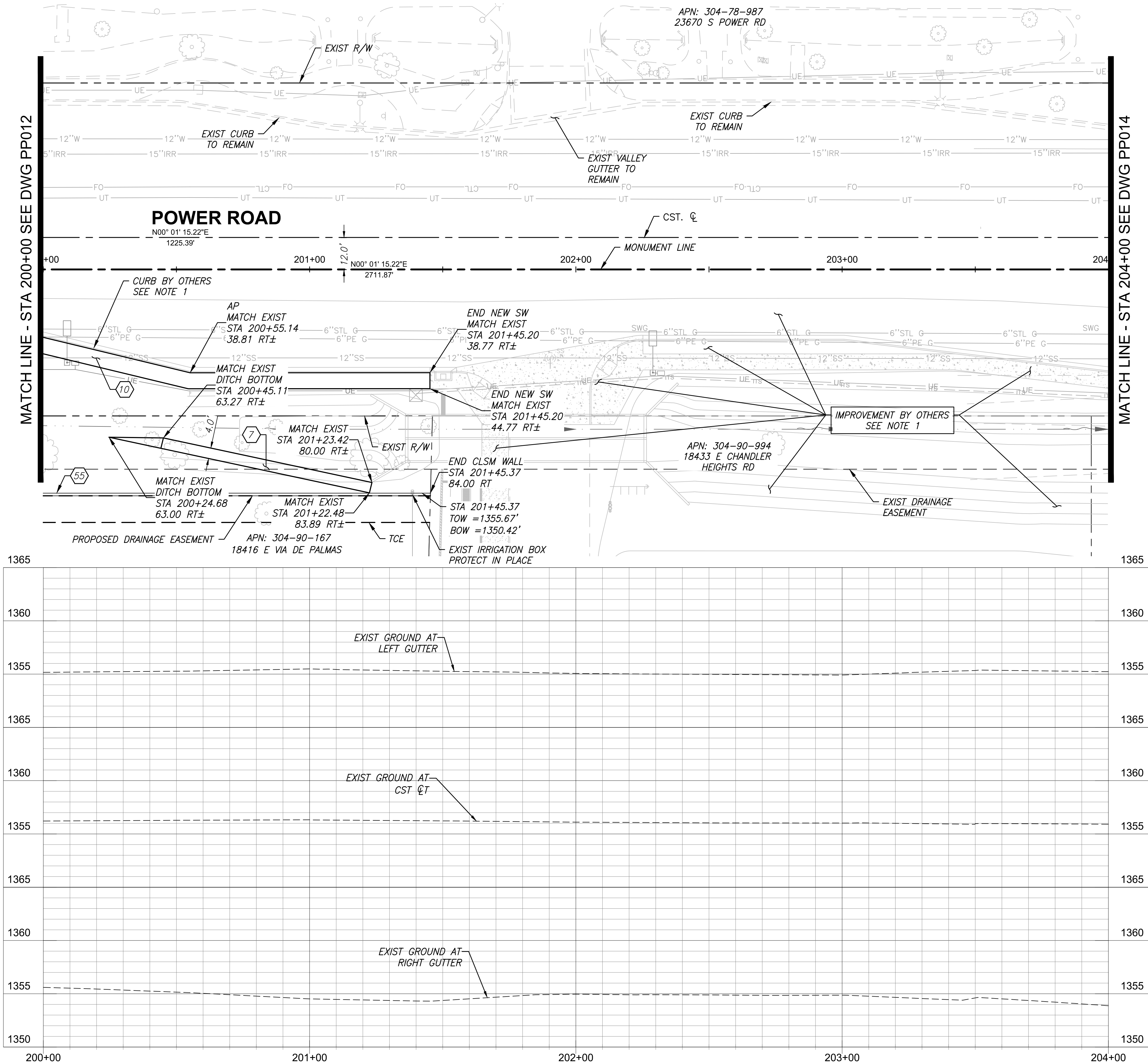
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PAVING PLAN AND PROFILE			
DESIGNED BY	MH	CIP PROJ NO. A1405	
DRAWN BY	BE		
DRAWING NO.		PP012	SHEET 37 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

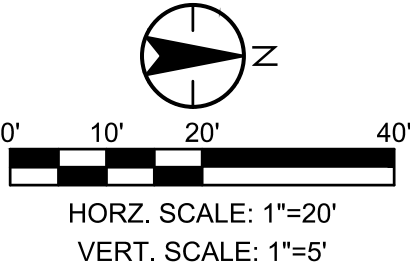


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	ROADWAY CONSTRUCTION NOTES	QUANTITY
7	Install Gravel Mulch Per Det C, Drawing No. DT002. 1/2" Screened. 2" Thick. Within R/W	216 SY
10	Concrete Sidewalk, 6' Wide Unless Noted Otherwise, MAG Std Det 230	881 SF
55	Install Controlled Low Strength Material (CLSM) Wall Per Det H, Drawing No. DT006	67 CY

NOTES:  
1. Proposed improvements "BY OTHERS" shown for reference only, refer to Town of Queen Creek Project Number 6862 - "SEC Power Road & Chandler Heights Road", for details.



Contact Arizona 911 at least two full working days before you begin excavation

**ARIZONA**

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**TOWN OF**  
**QUEEN CREEK**

Professional Engineer  
17551  
CHRISTOPHER E. EGGERS  
Signed 10/03/25  
ARIZONA, U.S.A.

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

**Stantec**

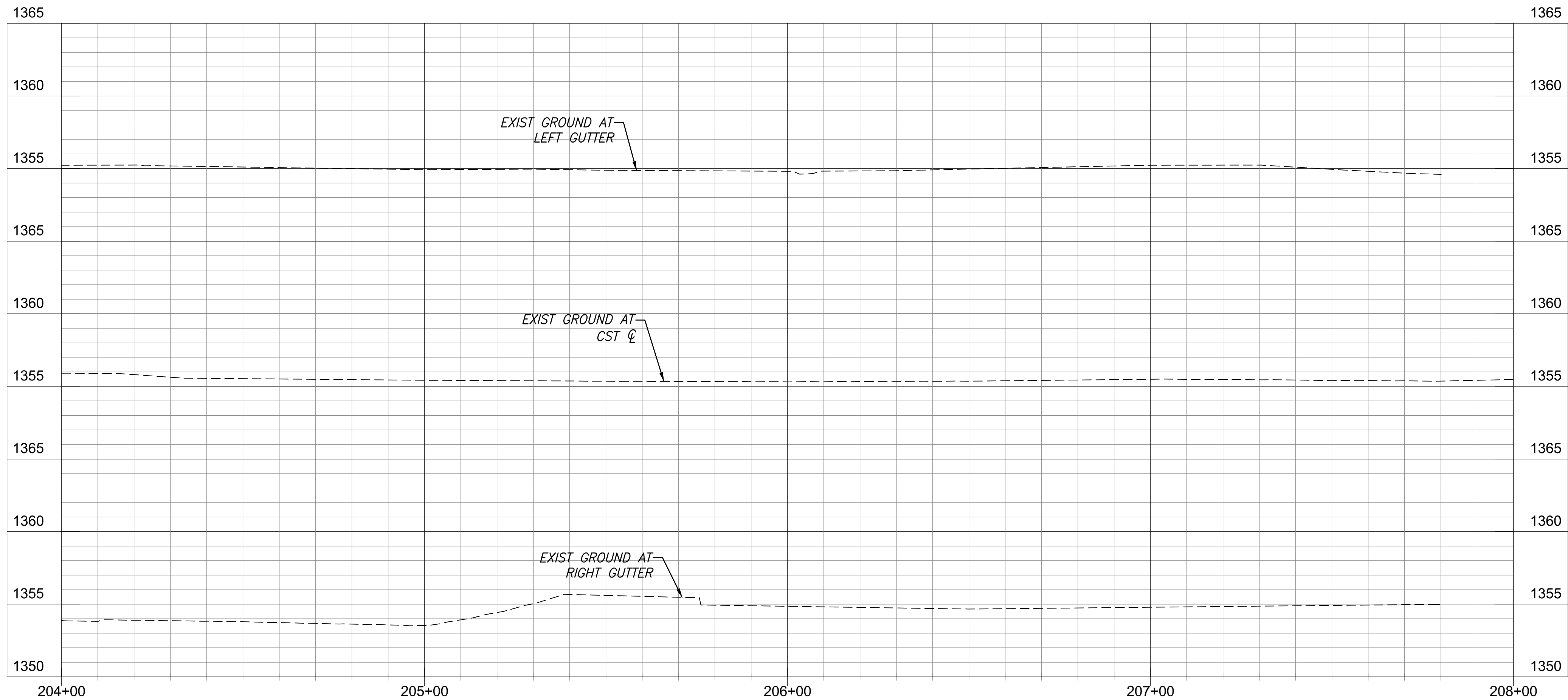
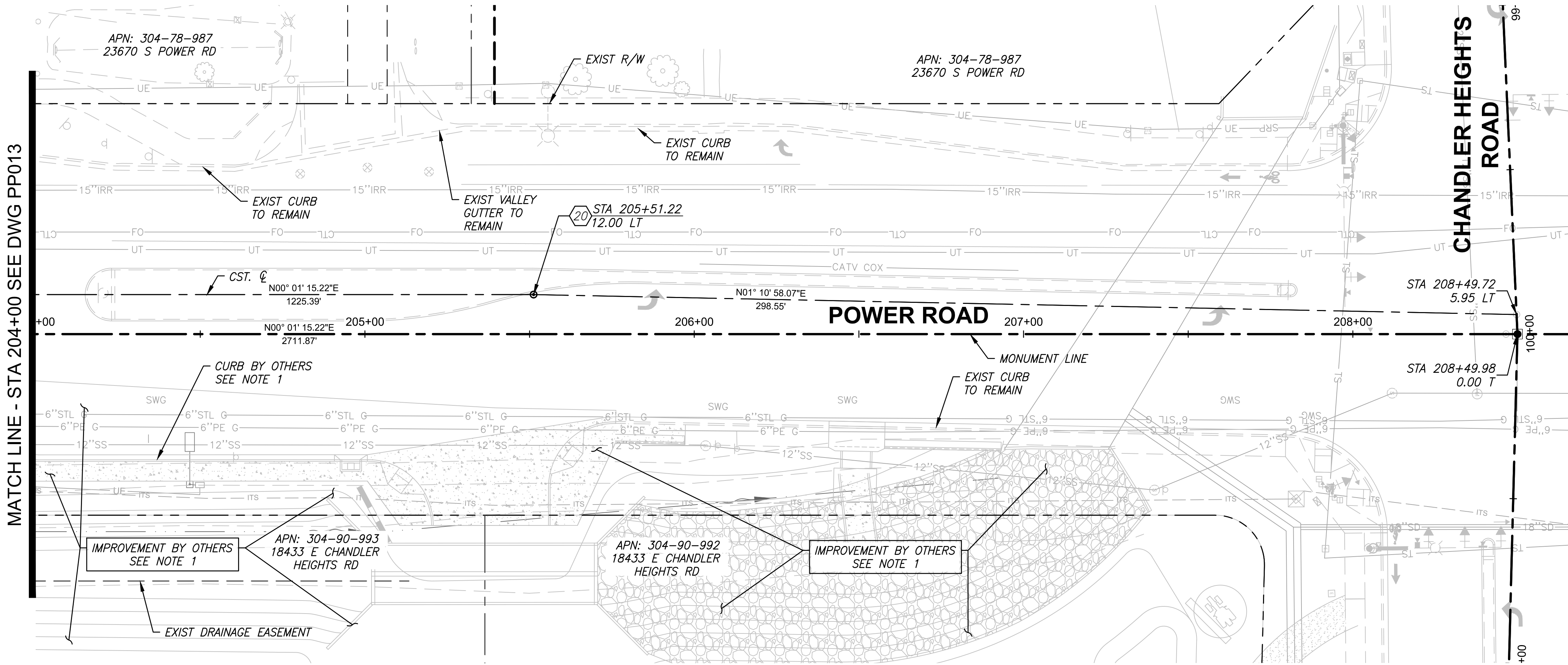
3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

PAVING PLAN AND PROFILE			
DESIGNED BY	MH	CIP PROJ NO. A1405	
DRAWN BY	BE		
DRAWING NO. PP013		SHEET 38 OF 133	

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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ROADWAY CONSTRUCTION NOTES		QUANTITY
20 Install Survey Marker, Type B, per MAG Std Det 120		1 EA

NOTES:

- Proposed improvements "BY OTHERS" shown for reference only, refer to Town of Queen Creek Project Number 6862 - "SEC Power Road & Chandler Heights Road", for details.

HORZ. SCALE: 1"=20'  
VERT. SCALE: 1"=5'

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TOWN OF  
QUEEN CREEK

17551  
CHRISTOPHER E.  
EGGERS

POWER ROAD:  
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ROADWAY AND DRAINAGE IMPROVEMENTS

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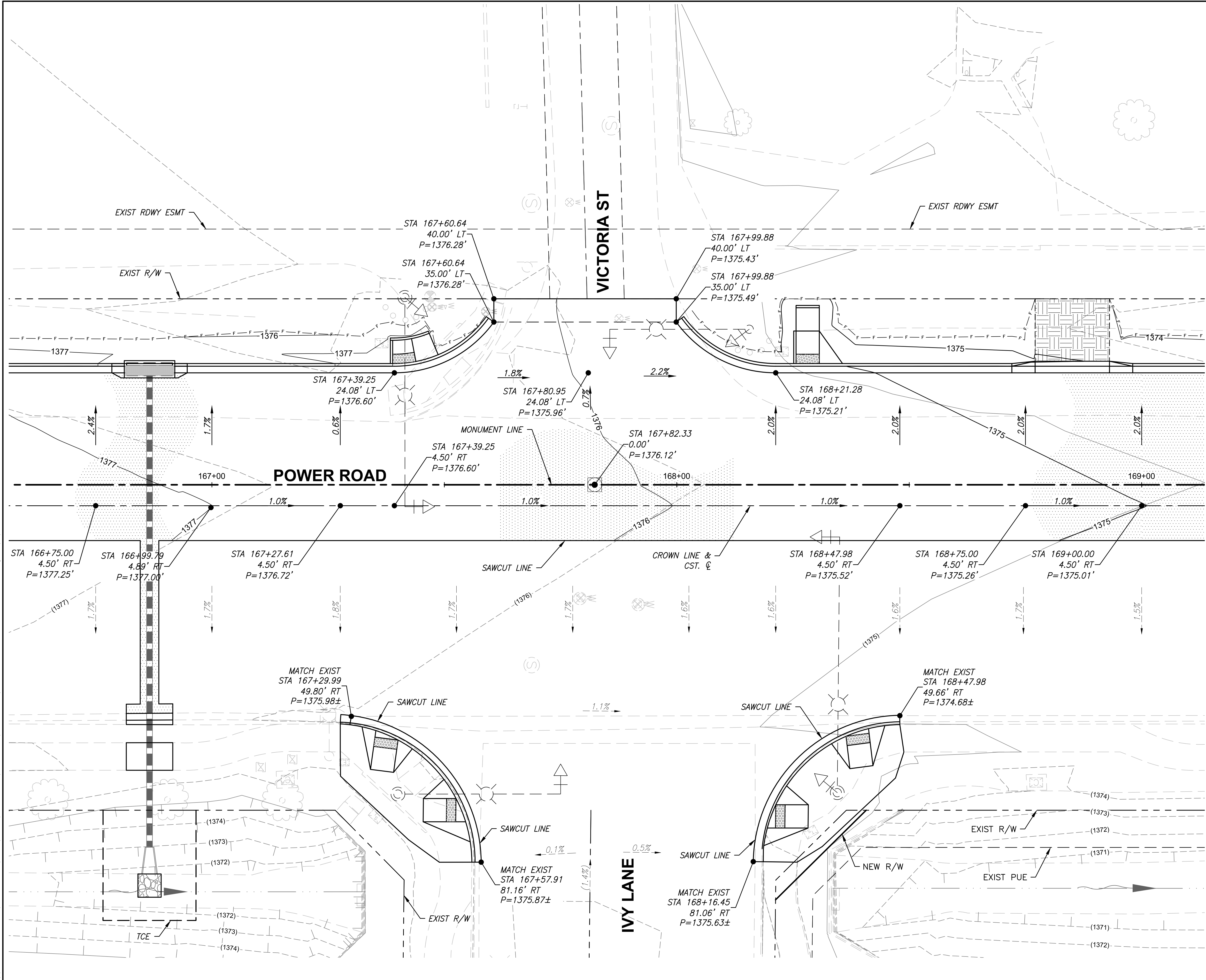
PAVING PLAN AND PROFILE

DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. PP014		SHEET 39 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

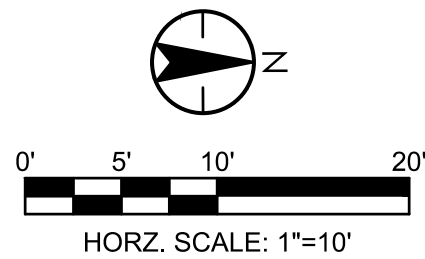


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**LEGEND**

- X% → PROPOSED GRADE
- X% → EXISTING GRADE
- XXXX.XX PROPOSED CONTOUR
- (XXXX.XX) EXISTING CONTOUR



**TOWN OF  
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**POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS**



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**INTERSECTION GRADING**

DESIGNED BY MH  
DRAWN BY BE

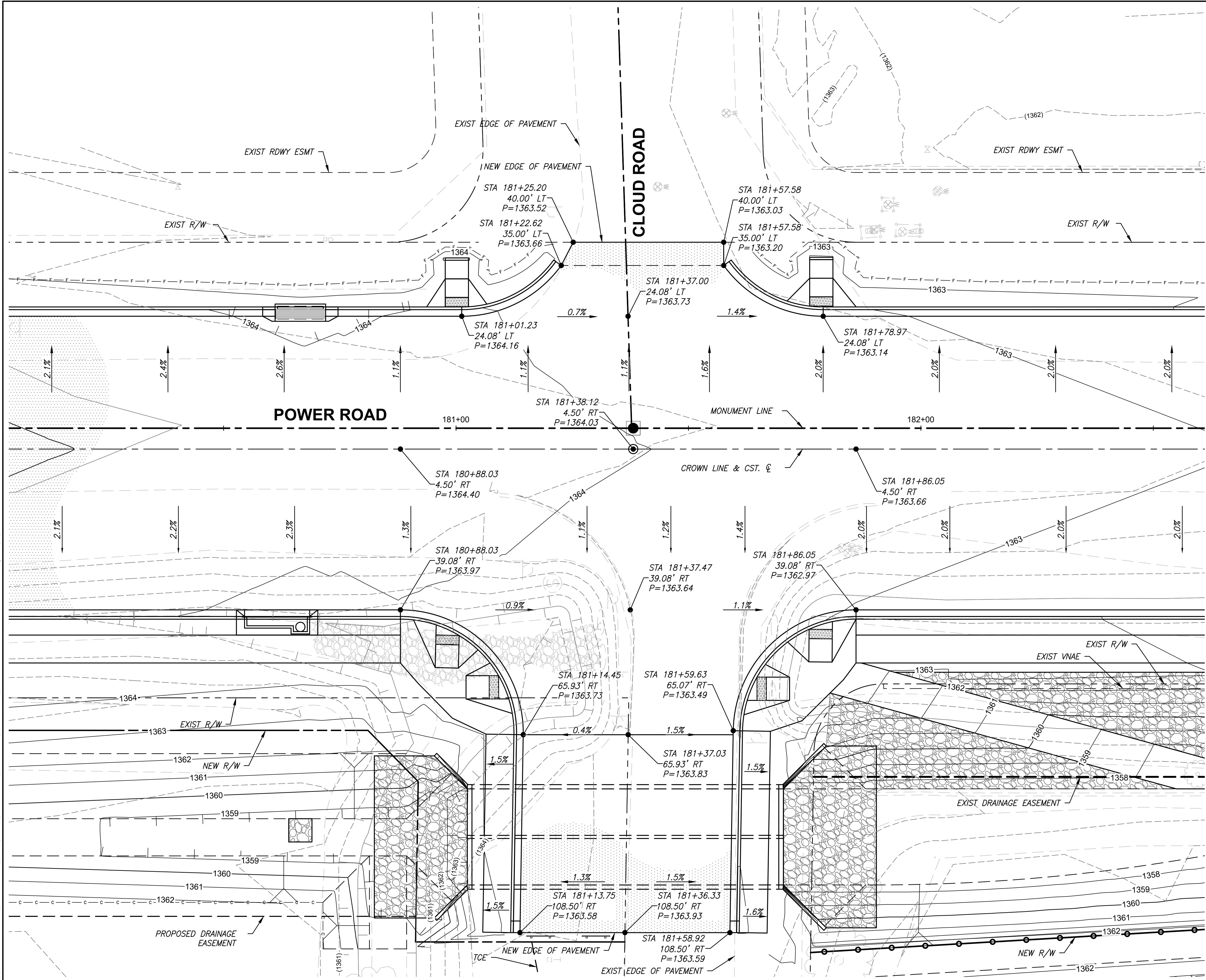
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DRAWING NO. PP101

SHEET 40 OF 133

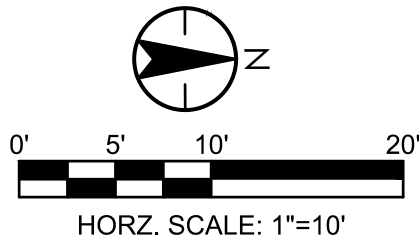


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LEGEND

- X% PROPOSED GRADE
- X% EXISTING GRADE
- XXXX.XX PROPOSED CONTOUR
- (XXXX.XX) EXISTING CONTOUR



TOWN OF  
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INTERSECTION GRADING

DESIGNED BY MH  
DRAWN BY BE

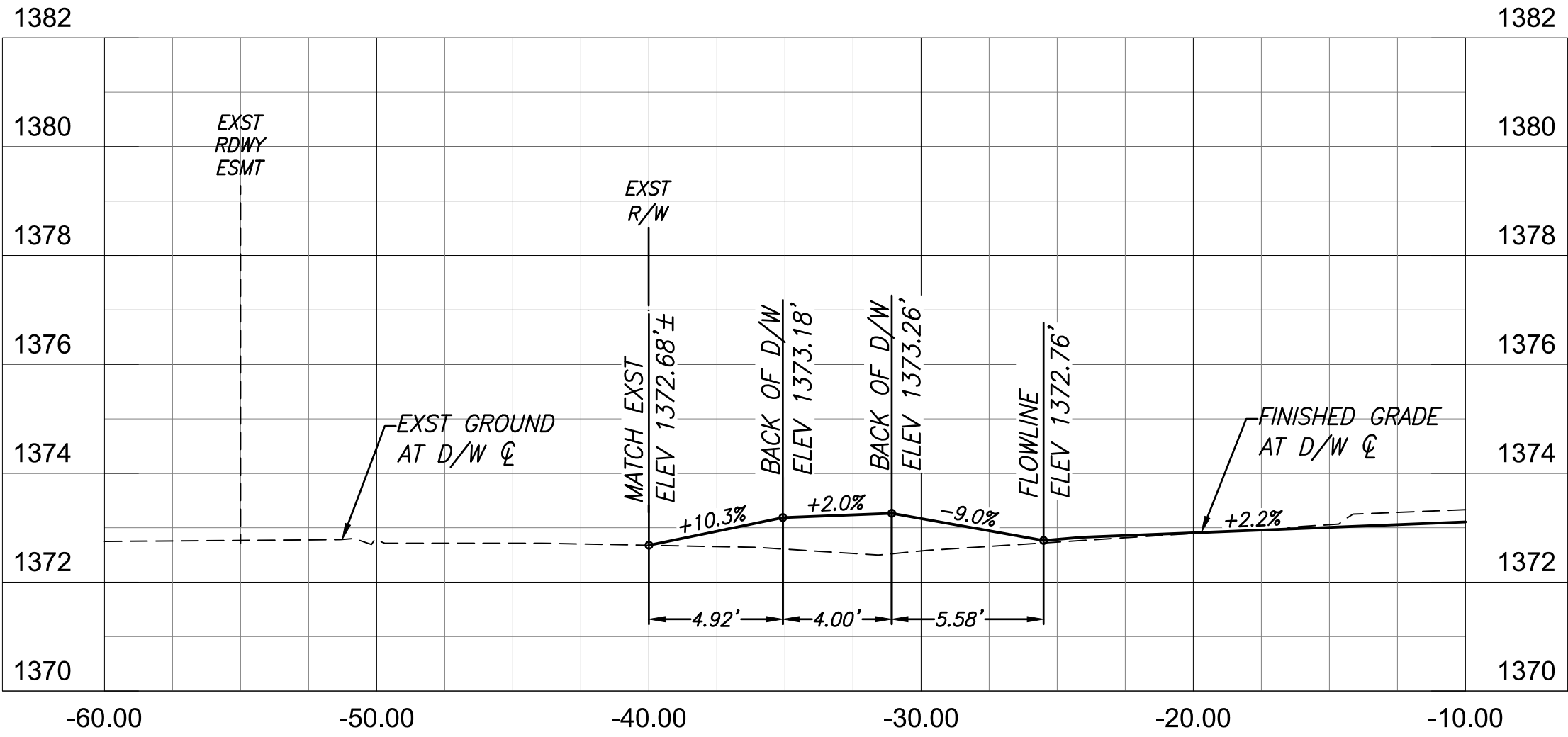
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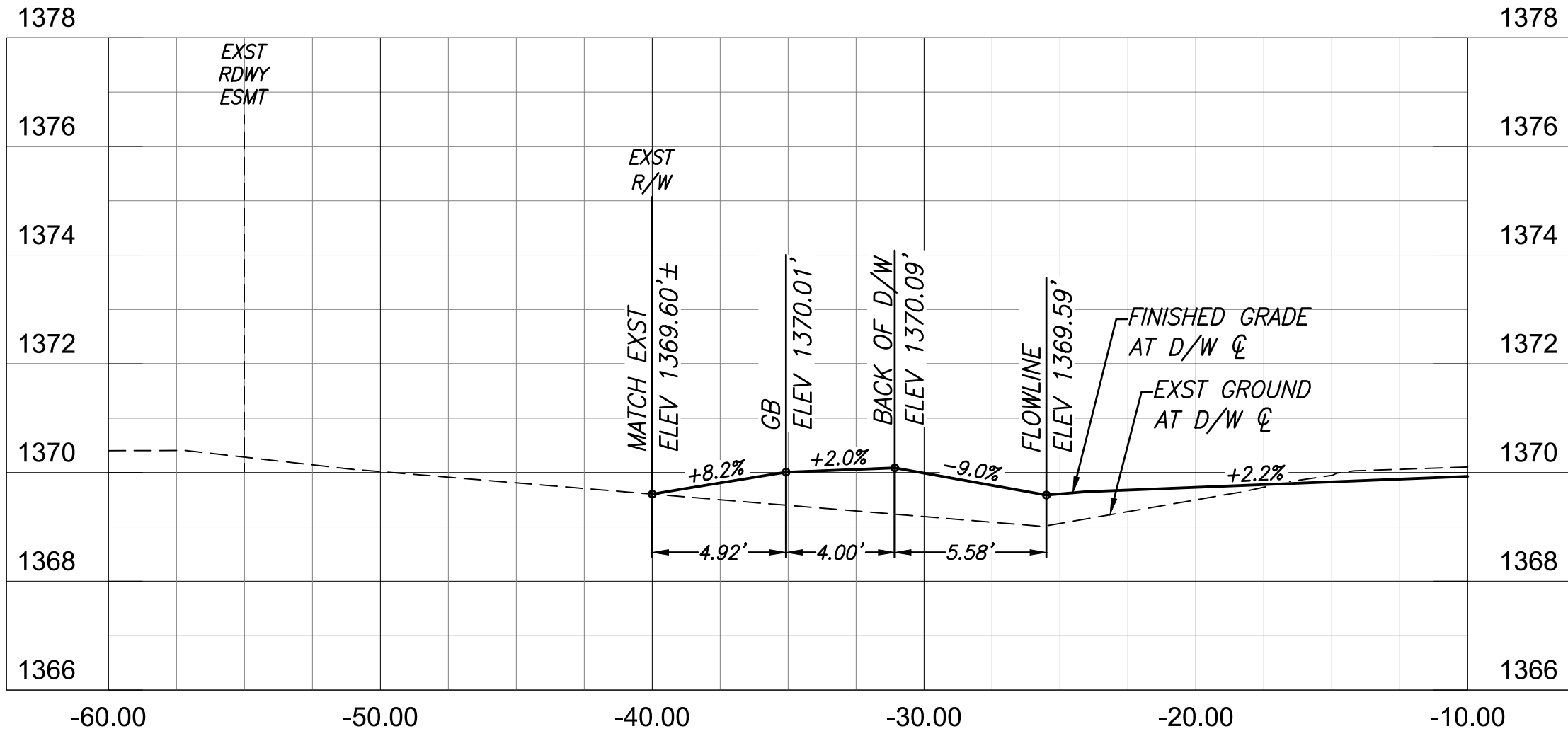
SHEET 41 OF 133



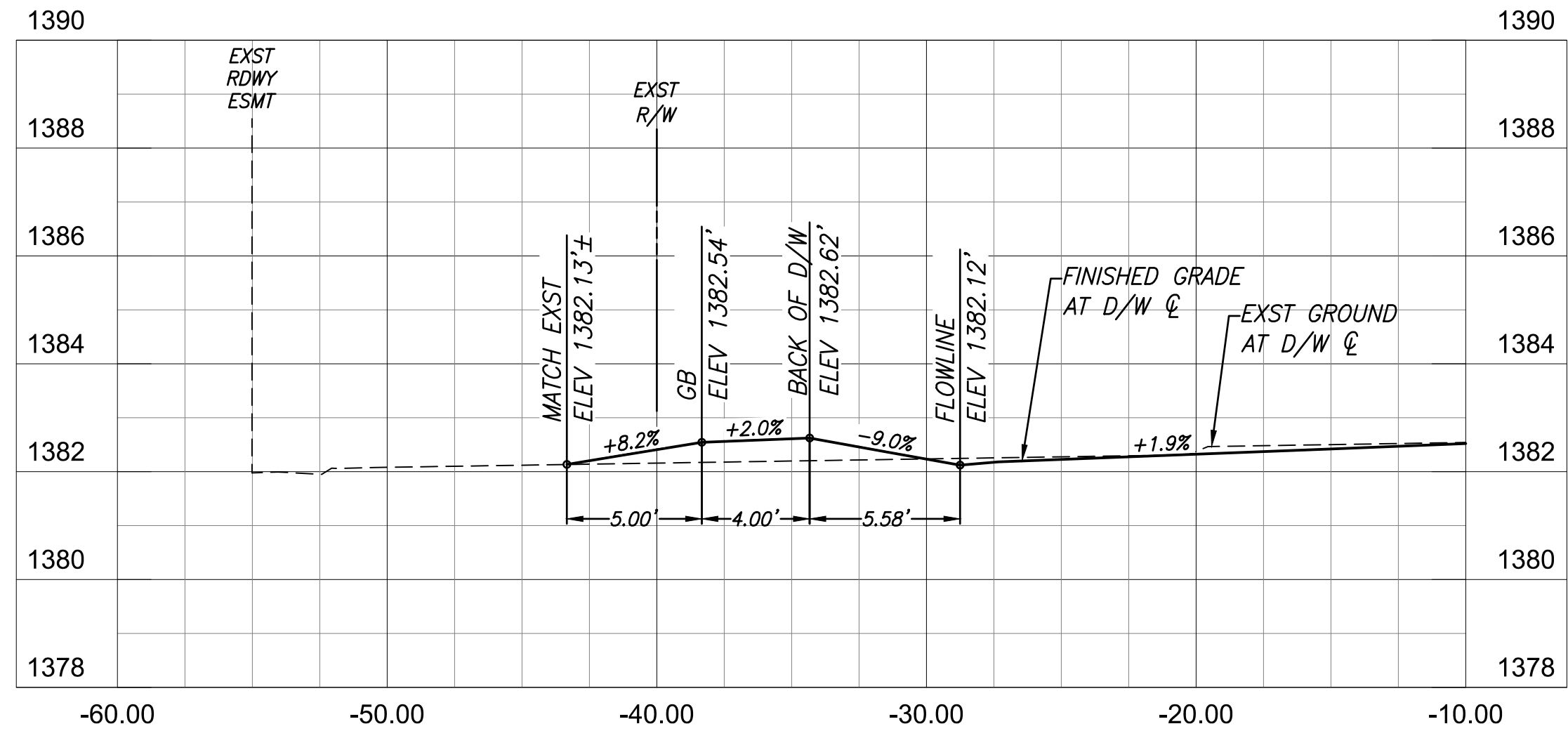
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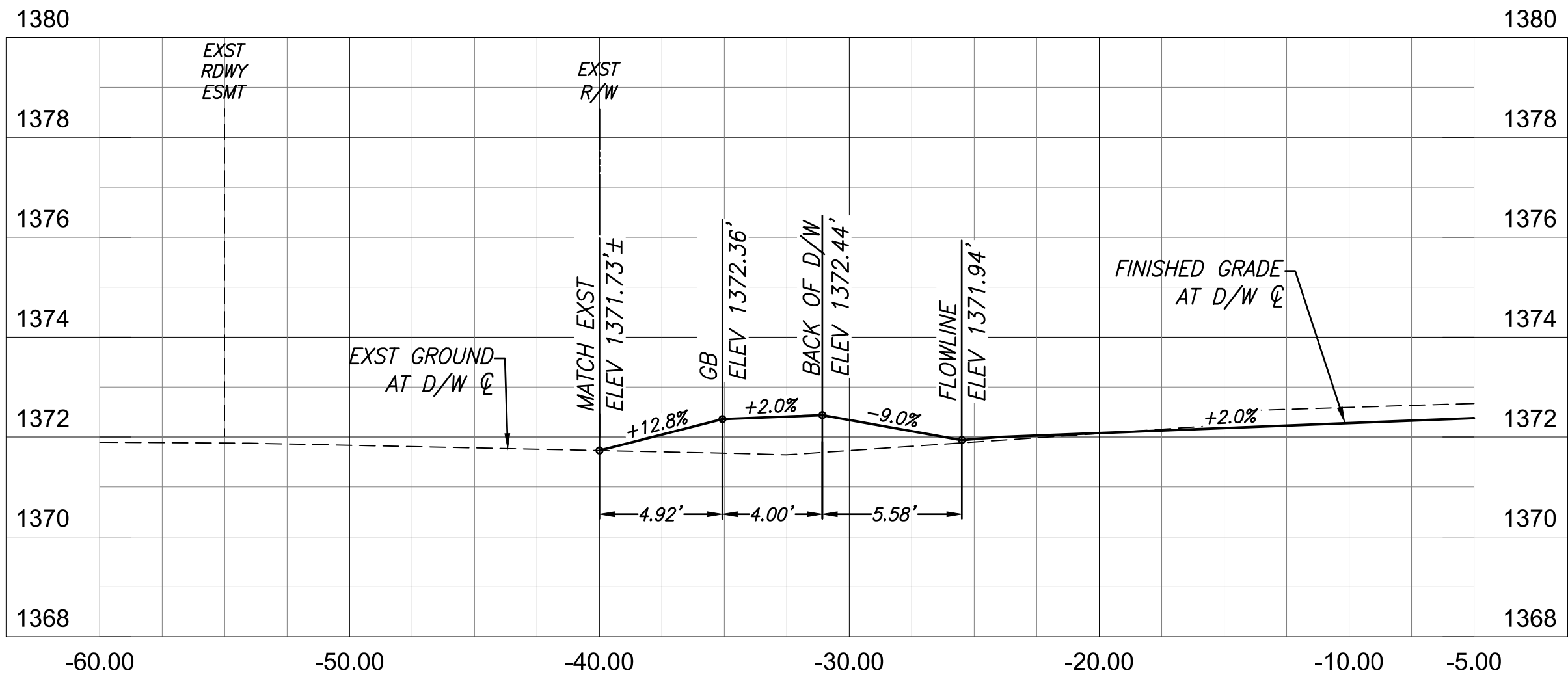
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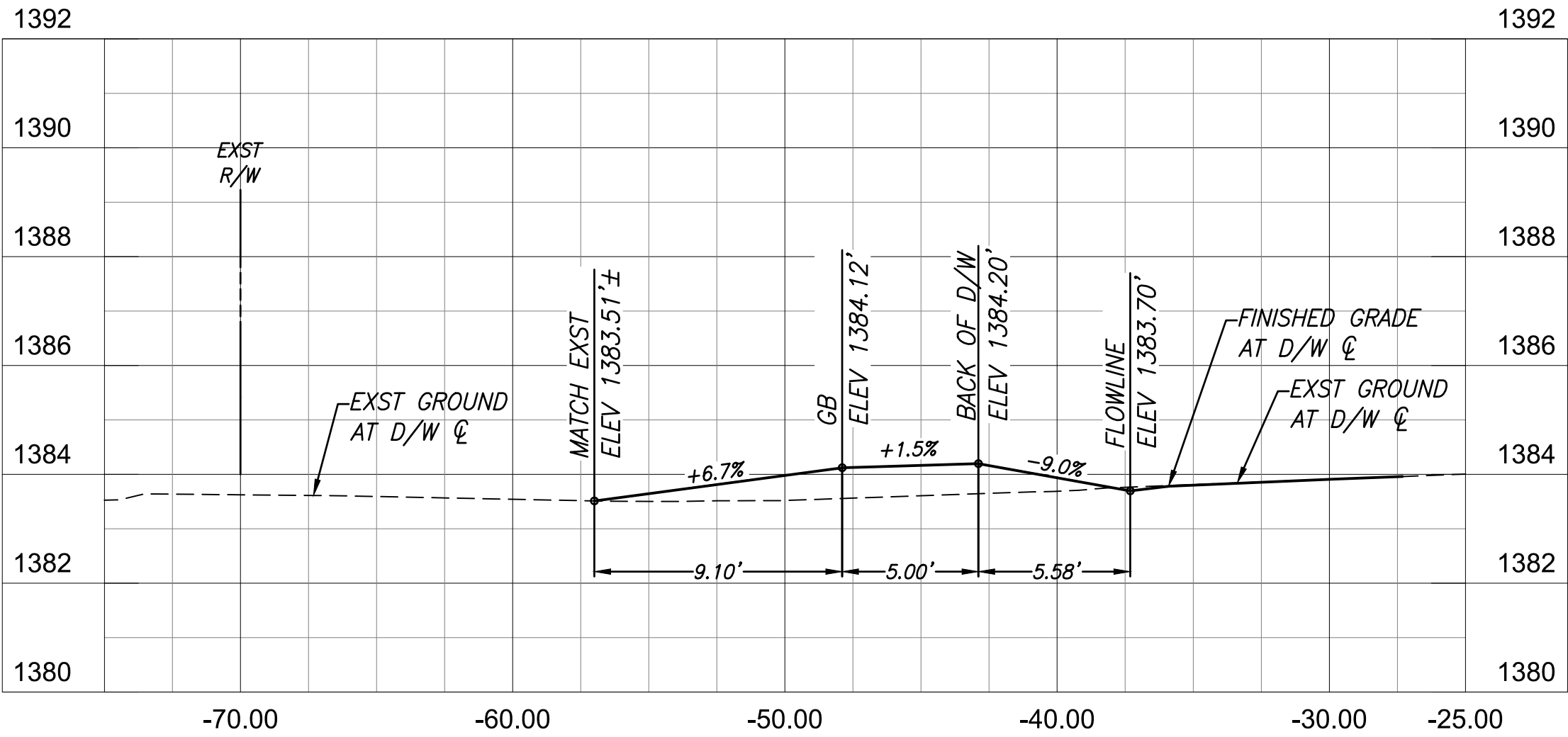
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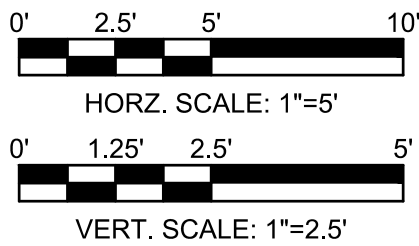
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STA 171+48.97, LT



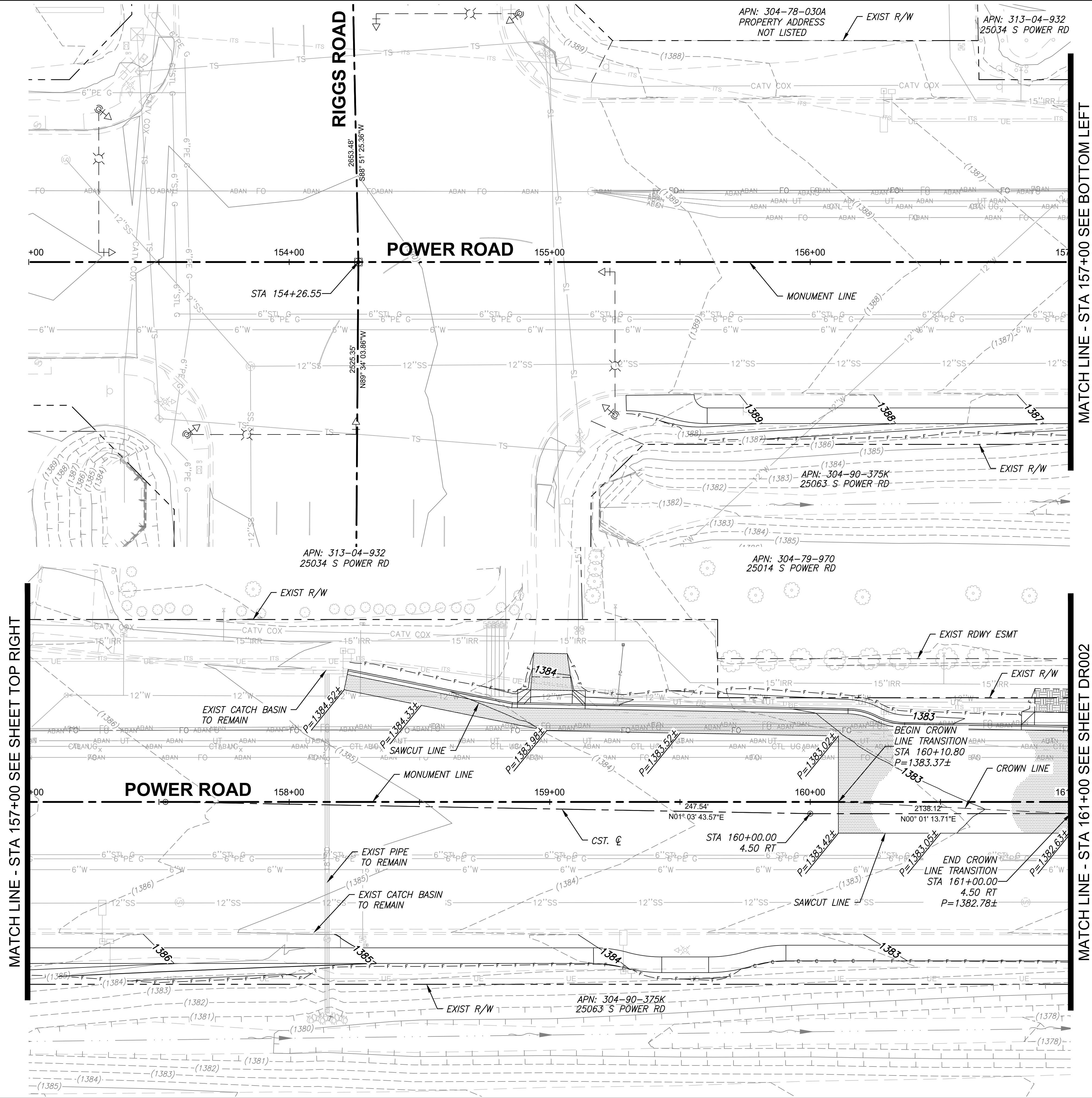
STA 159+00.60, LT



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 17551 CHRISTOPHER E. EGERS Signed 10/03/25 ARIZONA, U.S.A.	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS  3133 West Frye Road Chandler, Arizona 85226 Tel. 480.487.6100 www.stantec.com
DRIVEWAY PROFILES	
DESIGNED BY MH	CIP PROJ NO. A1405
DRAWN BY BE	
DRAWING NO. DW001	SHEET 42 OF 133



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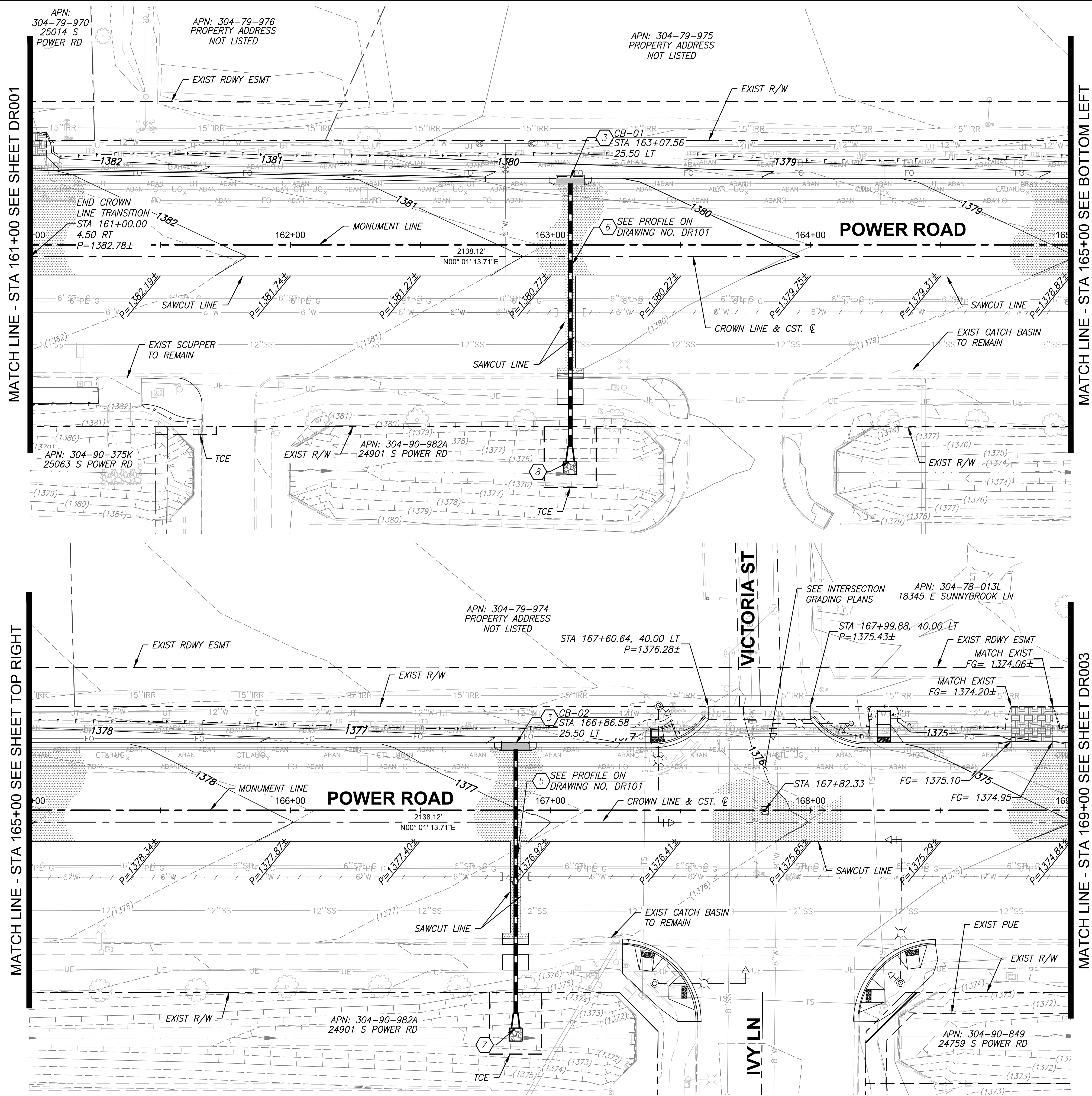


DRAINAGE CONSTRUCTION NOTES		QUANTITY
<b>LEGEND</b>		
XXXX.XX PROPOSED CONTOUR		
(XXXX.XX) EXISTING CONTOUR		
		<b>TOWN OF QUEEN CREEK</b>
		POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS
3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com		
GRADING AND DRAINAGE PLAN		
DESIGNED BY: MH	CIP PROJ NO. A1405	
DRAWN BY: BE		
DRAWING NO. DR001	SHEET 43 OF 133	


PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025




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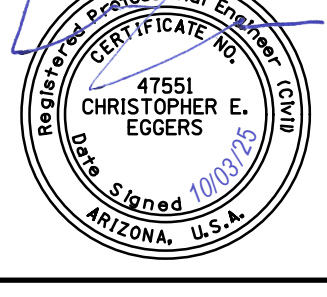
DRAINAGE CONSTRUCTION NOTES		QUANTITY
3	Catch Basin per Det G, Drawing No. DT006, P1572, Triple Catch Basin. Modified Grate per Note.	2 EA
5	15" RGRCP Class IV Storm Drain Pipe	103 LF
6	18" RGRCP Class IV Storm Drain Pipe	102 LF
7	Flared End Section, 15"	1 EA
8	Flared End Section, 18"	1 EA



Contact Arizona 811 at least two full working days before you begin excavation  
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**TOWN OF  
QUEEN CREEK**



Professional Engineer  
17551  
CHRISTOPHER E. EGERS  
Signed 10/03/2025  
ARIZONA, U.S.A.

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

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**Stantec**

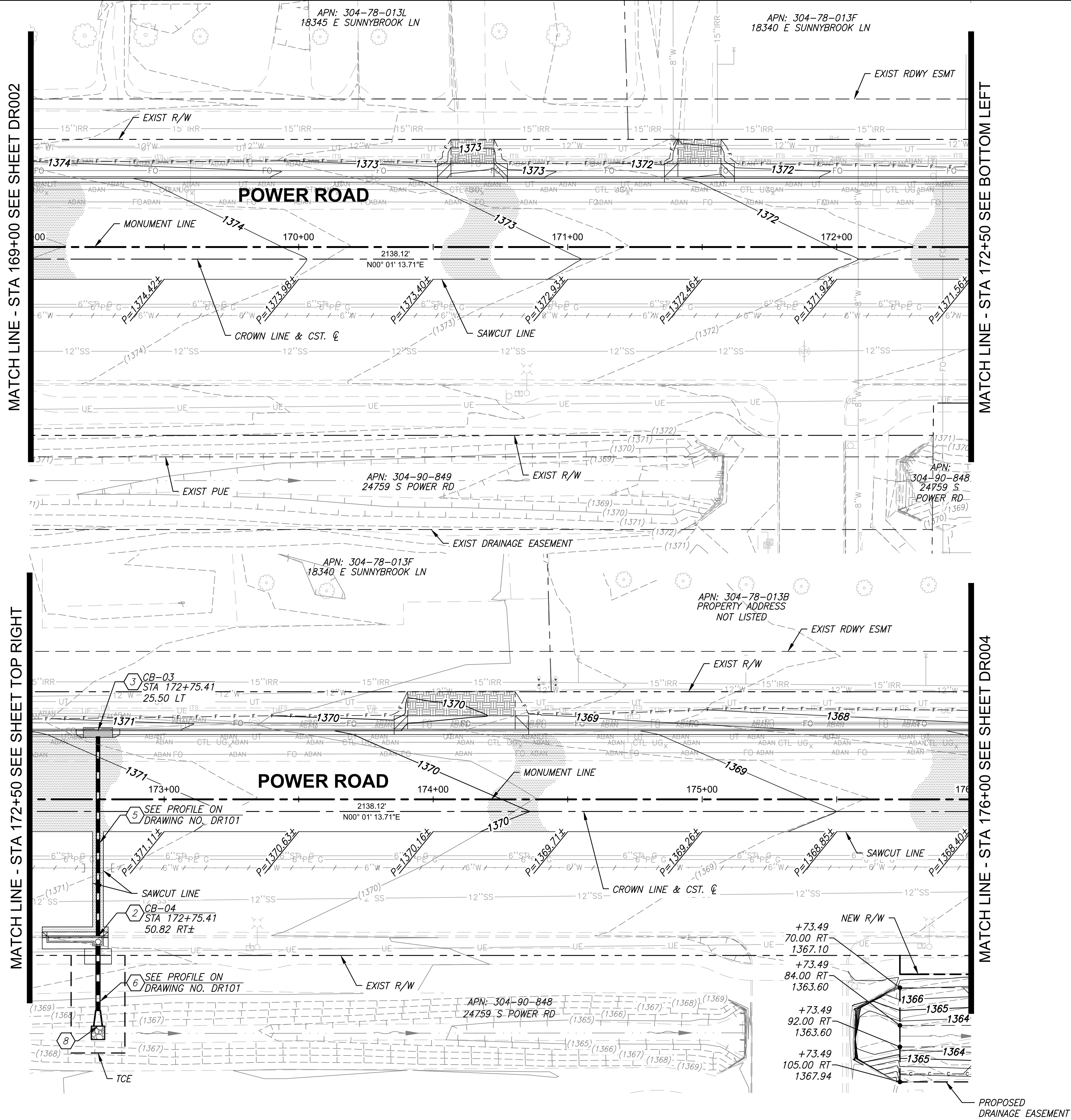
GRADING AND DRAINAGE PLAN

DESIGNED BY: MH	CIP PROJ NO. A1405
DRAWN BY: BE	
DRAWING NO. DR002	SHEET 44 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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DRAINAGE CONSTRUCTION NOTES			QUANTITY
2	Catch Basin per Det A, Drawing No. DT001, P1569-1, L=17'	1	EA
3	Catch Basin per Det G, Drawing No. DT006, P1572, Triple Catch Basin. Modified Grate per Note.	1	EA
5	15" RGRCP Class IV Storm Drain Pipe	78	LF
6	18" RGRCP Class IV Storm Drain Pipe	26	LF
8	Flared End Section, 18"	1	EA

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GRADING AND DRAINAGE PLAN

DESIGNED BY	MH
DRAWN BY	BE

CIP PROJ NO. A1405
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DRAWING NO. DR003	SHEET 45 OF 133
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PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

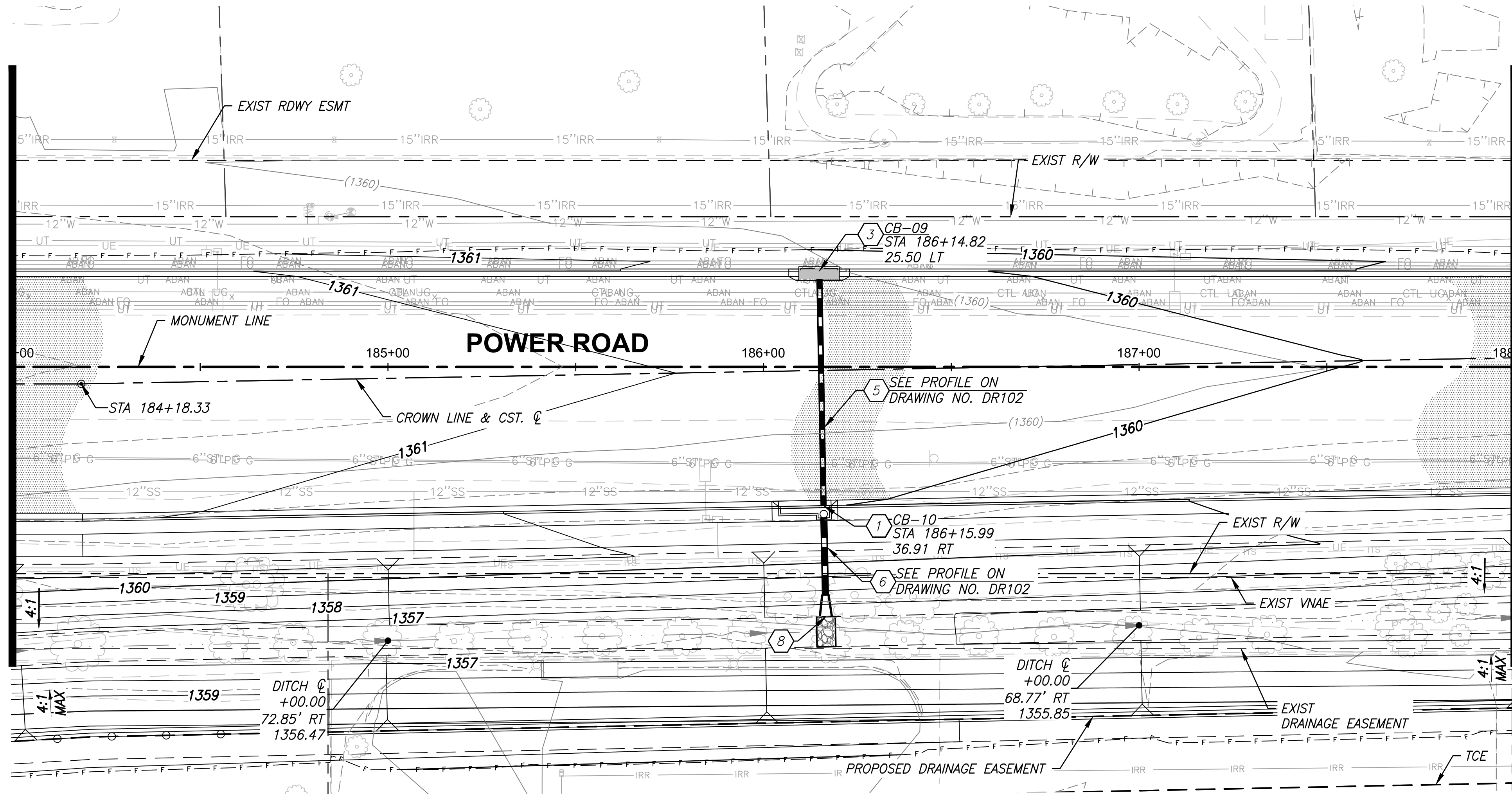






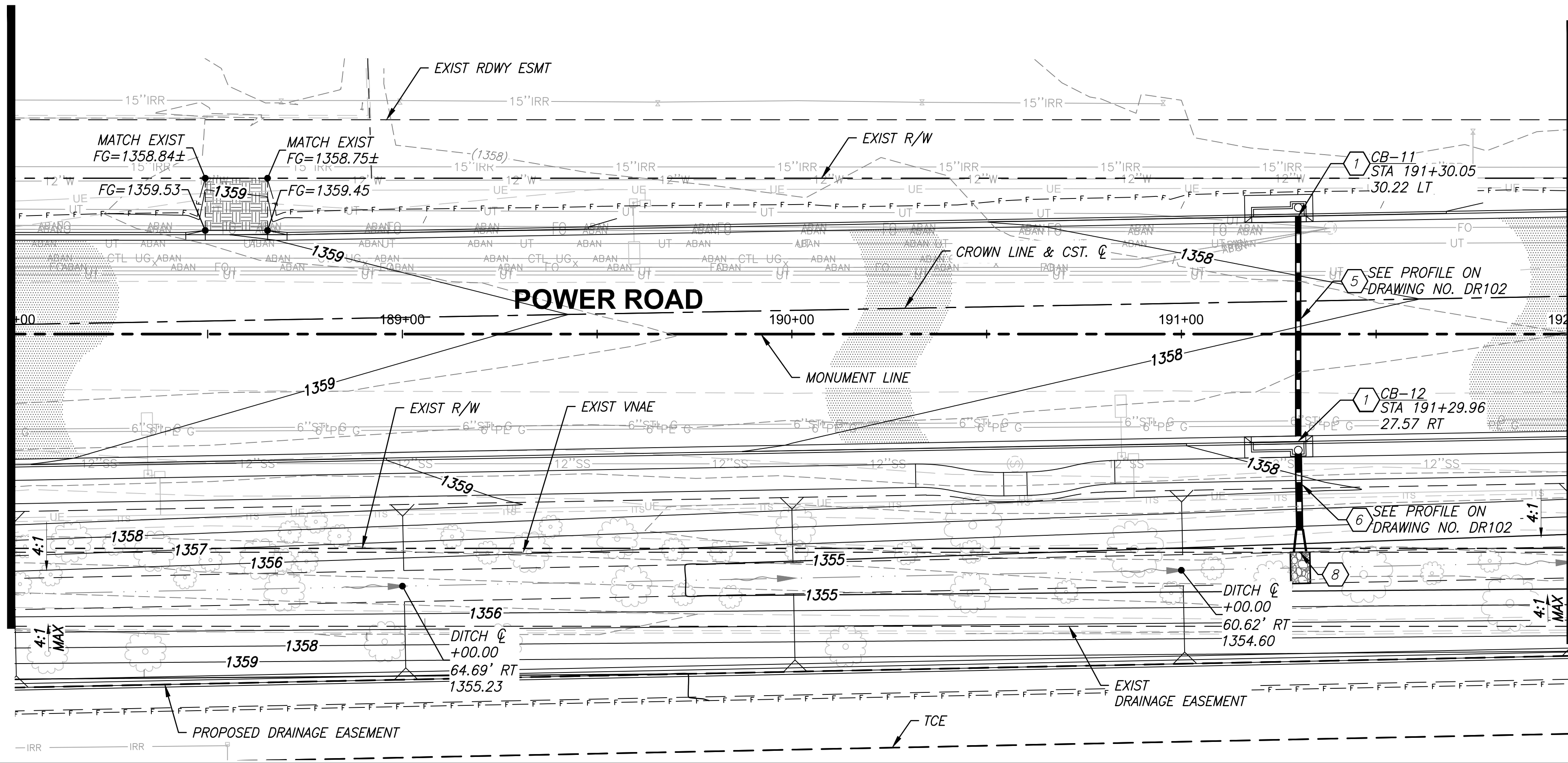
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MATCH LINE - STA 184+00 SEE SHEET DR004



MATCH LINE - STA 188+00 SEE SHEET DR005

MATCH LINE - STA 188+00 SEE SHEET TOP RIGHT



MATCH LINE - STA 192+00 SEE SHEET DR006

DRAINAGE CONSTRUCTION NOTES			QUANTITY
1	Catch Basin per Det A, Drawing No. DT001, P1569-1, L=10'	3	EA
3	Catch Basin per Det G, Drawing No. DT006, P1572, Triple Catch Basin. Modified Grate per Note.	1	EA
5	15" RGRCP Class IV Storm Drain Pipe	126	LF
6	18" RGRCP Class IV Storm Drain Pipe	42	LF
8	Flared End Section, 18"	2	EA

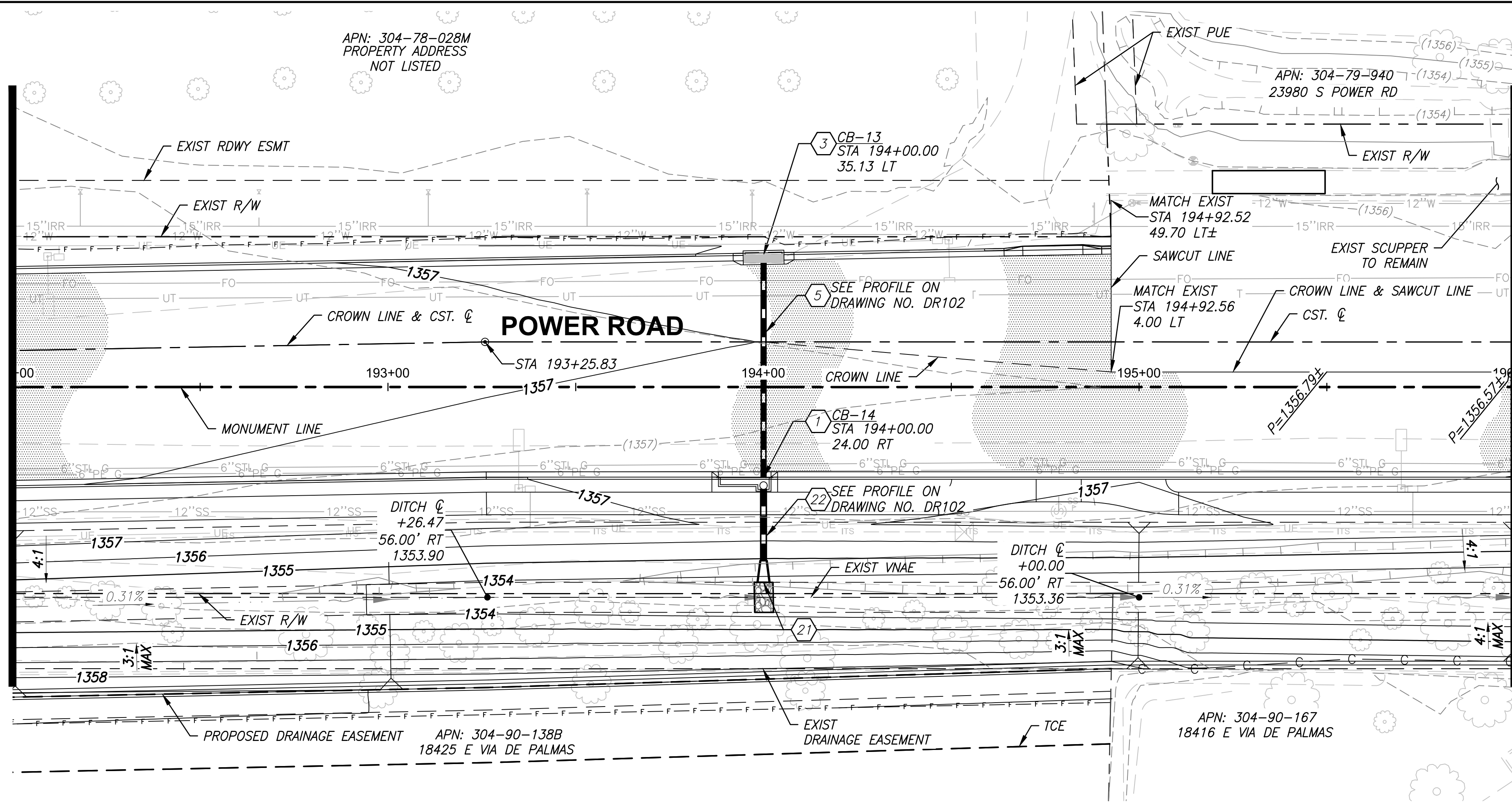
 Contact Arizona 911 at least two full working days before you begin excavation. Call 811 or click Arizona911.com	 <b>TOWN OF QUEEN CREEK</b>
 17551 CHRISTOPHER E. EGERS Engineer ARIZONA, U.S.A.	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS   3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com
GRADING AND DRAINAGE PLAN	
DESIGNED BY: MH	CIP PROJ NO. A1405
DRAWN BY: BE	
DRAWING NO. DR005	SHEET 47 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



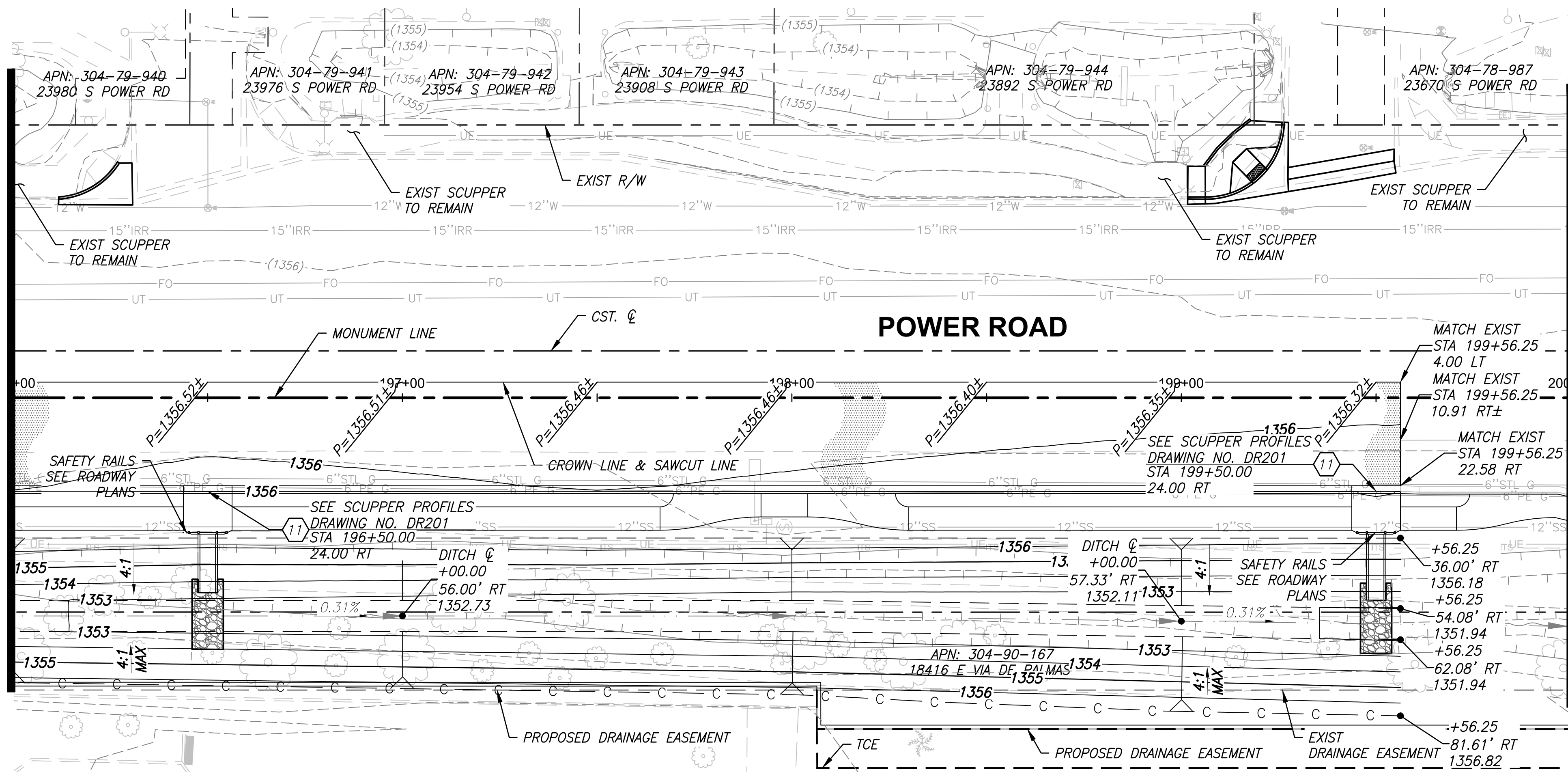
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MATCH LINE - STA 192+00 SEE SHEET DR005



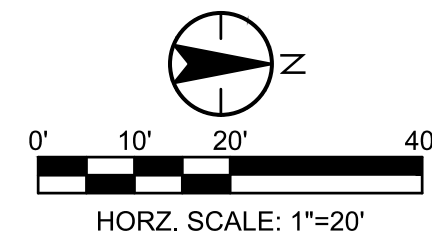
MATCH LINE - STA 196+00 SEE BOTTOM LEFT

MATCH LINE - STA 196+00 SEE SHEET TOP RIGHT



MATCH LINE - STA 200+00 SEE SHEET DR007

DRAINAGE CONSTRUCTION NOTES			QUANTITY
1	Catch Basin per Det A, Drawing No. DT001, P1569-1, L=10'	1	EA
3	Catch Basin per Det G, Drawing No. DT006, P1572, Triple Catch Basin. Modified Grate per Note.	1	EA
5	15" RGRCP Class IV Storm Drain Pipe	61	LF
11	Concrete Scupper with Spillway per MAG Std Det 206, 4' wide	2	EA
21	Flared End Section, 24"	1	EA
22	24" RGRCP Class IV Storm Drain Pipe	20	LF



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**ARIZONA**

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Professional Engineer

17551

CHRISTOPHER E. EGGERS

2024.05

ARIZONA, U.S.A.

TOWN OF

QUEEN CREEK

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
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GRADING AND DRAINAGE PLAN

DESIGNED BY: MH  
DRAWN BY: BE

CIP PROJ NO. A1405

DRAWING NO. DR006

SHEET 48 OF 133

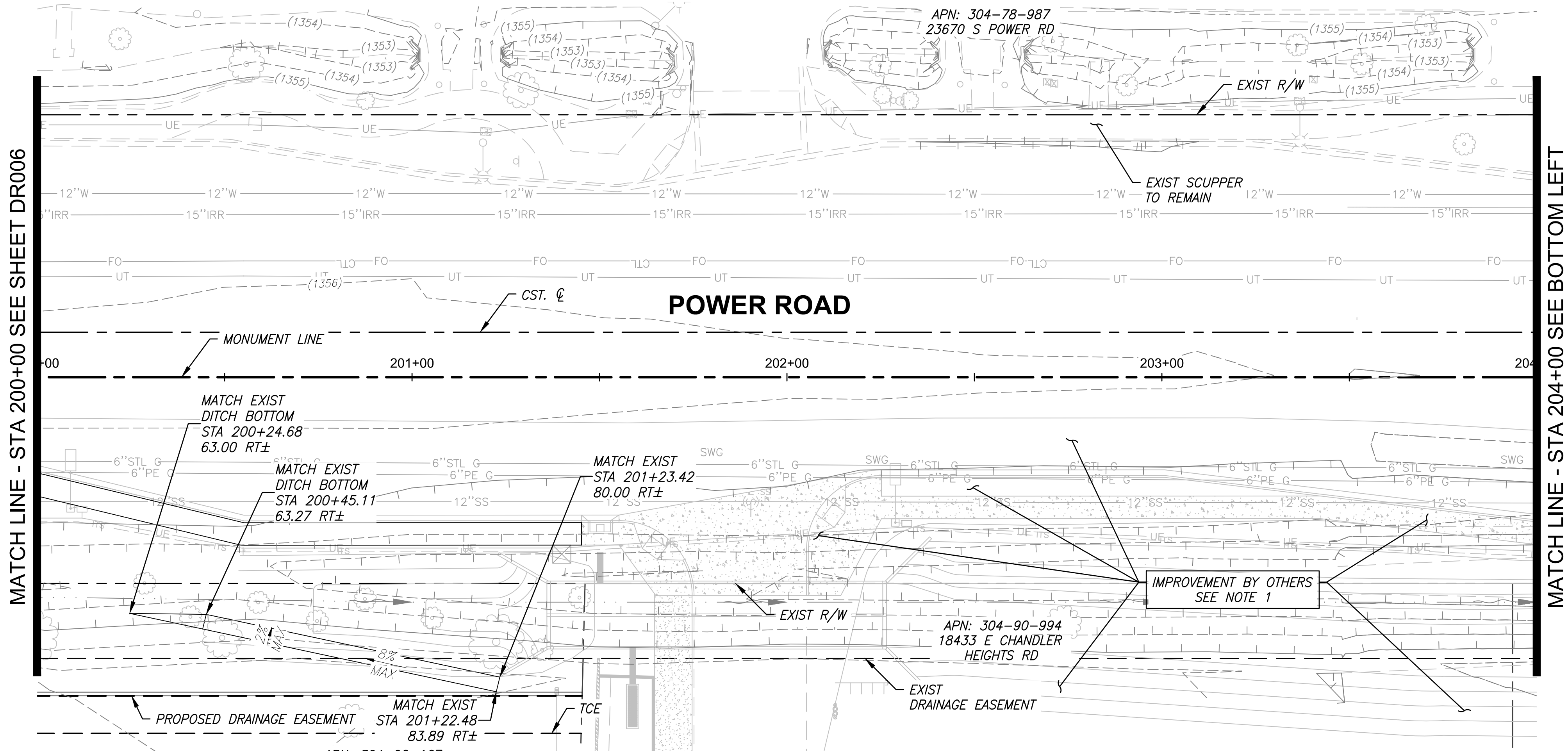
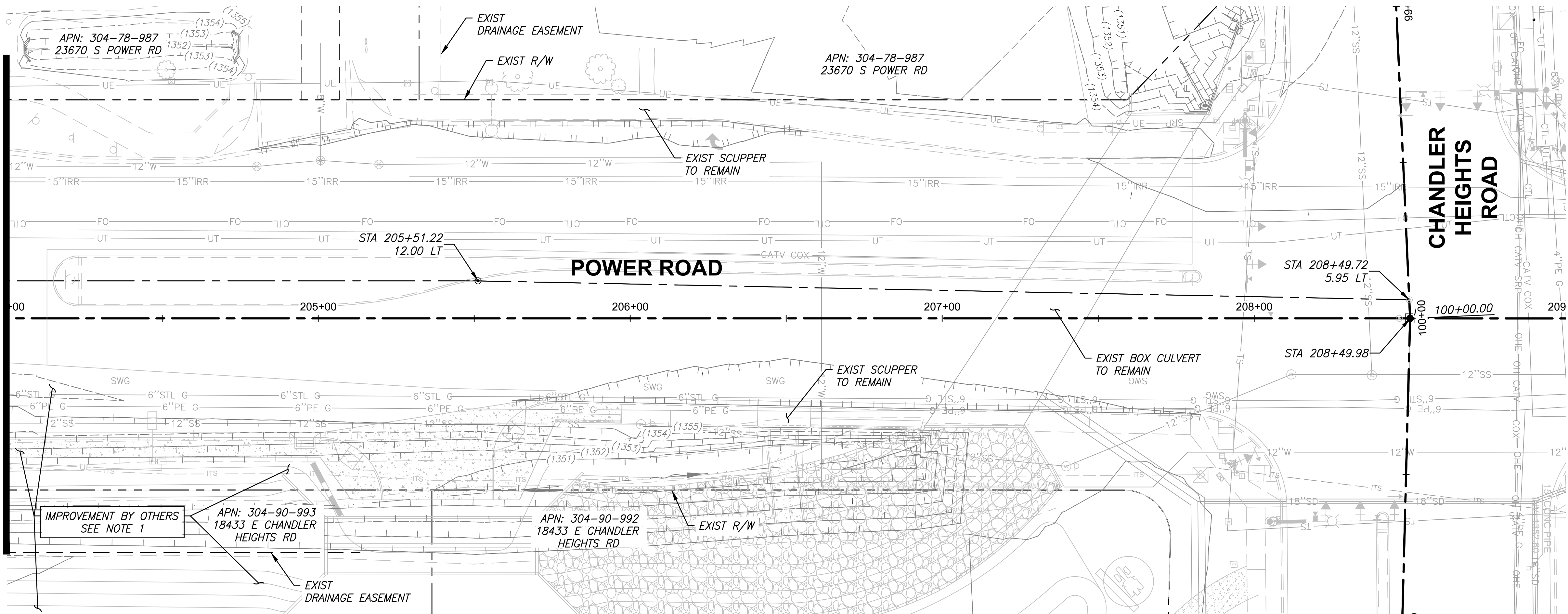
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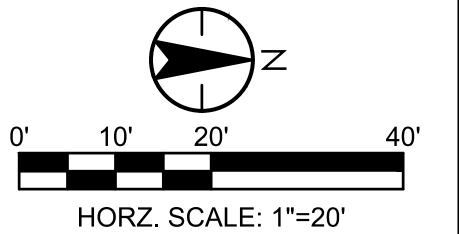
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MATCH LINE - STA 204+00 SEE SHEET TOP RIGHT

MATCH LINE - STA 200+00 SEE SHEET DR006



- NOTES:
- Proposed improvements "BY OTHERS" shown for reference only, refer to Town of Queen Creek Project Number 6862 - "SEC Power Road & Chandler Heights Road", for details.



TOWN OF  
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POWER ROAD:  
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GRADING AND DRAINAGE PLAN

DESIGNED BY: MH  
DRAWN BY: BE

CIP PROJ NO. A1405

DRAWING NO. DR007 SHEET 49 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025

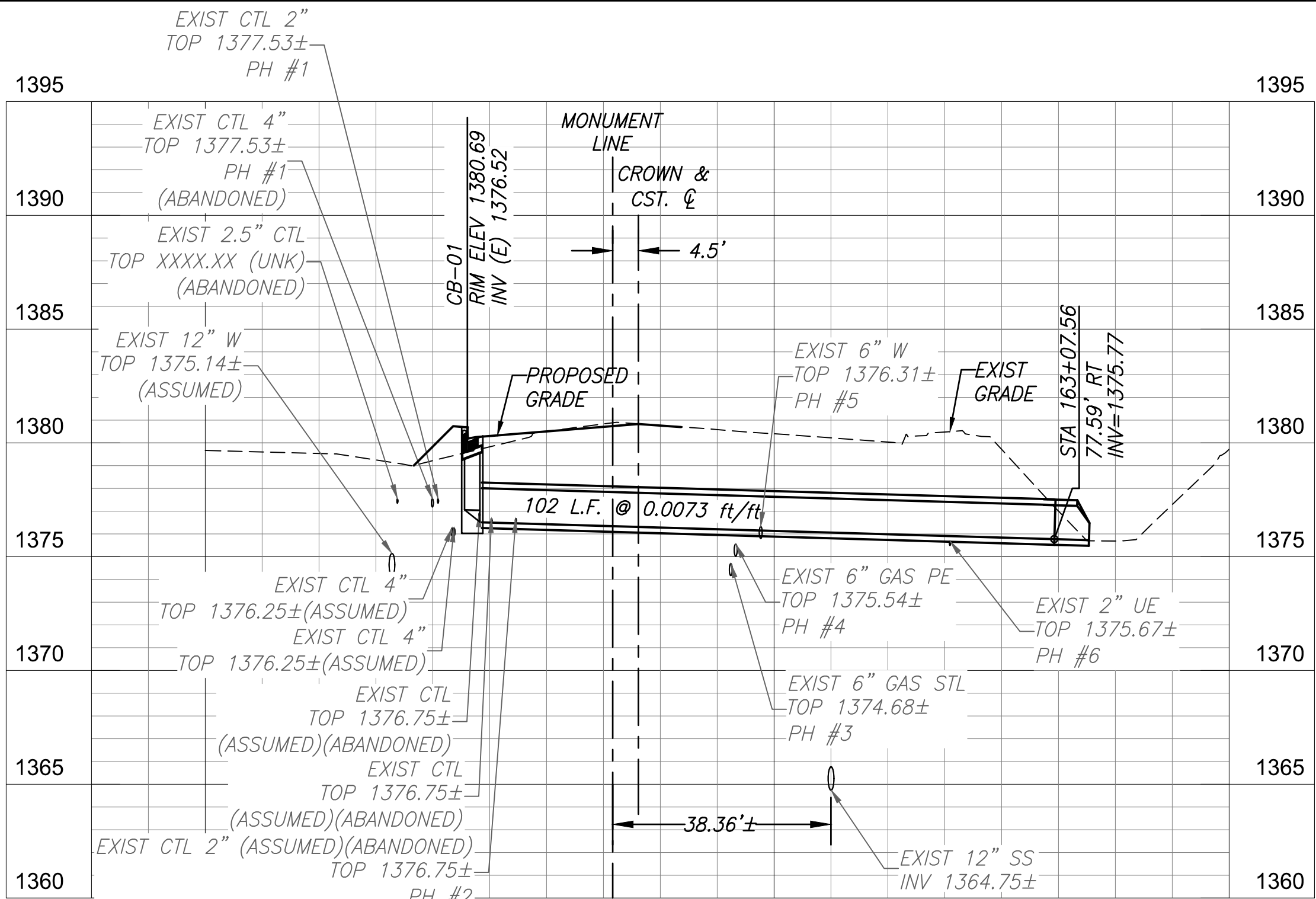
DRAINAGE CONSTRUCTION NOTES QUANTITY



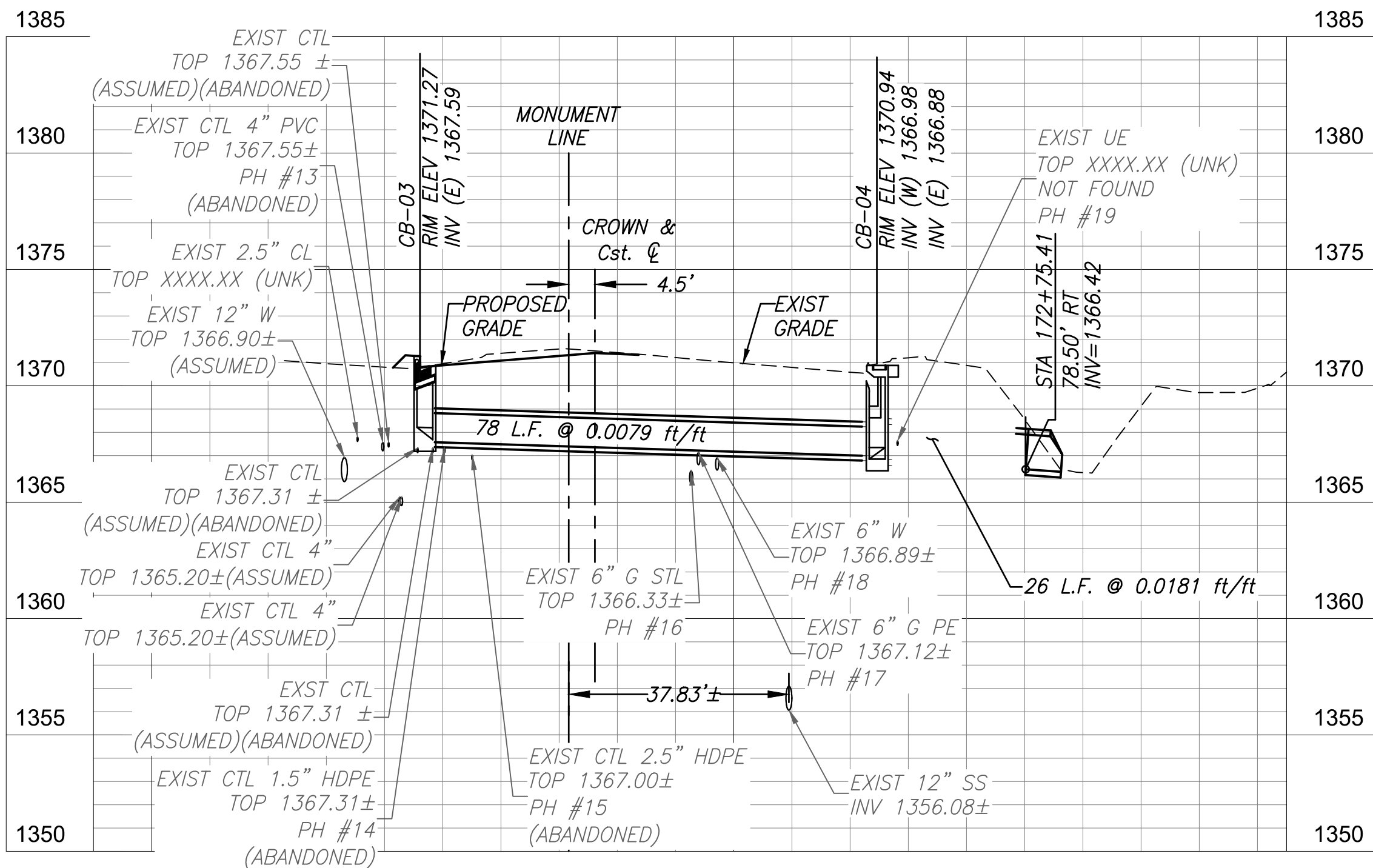




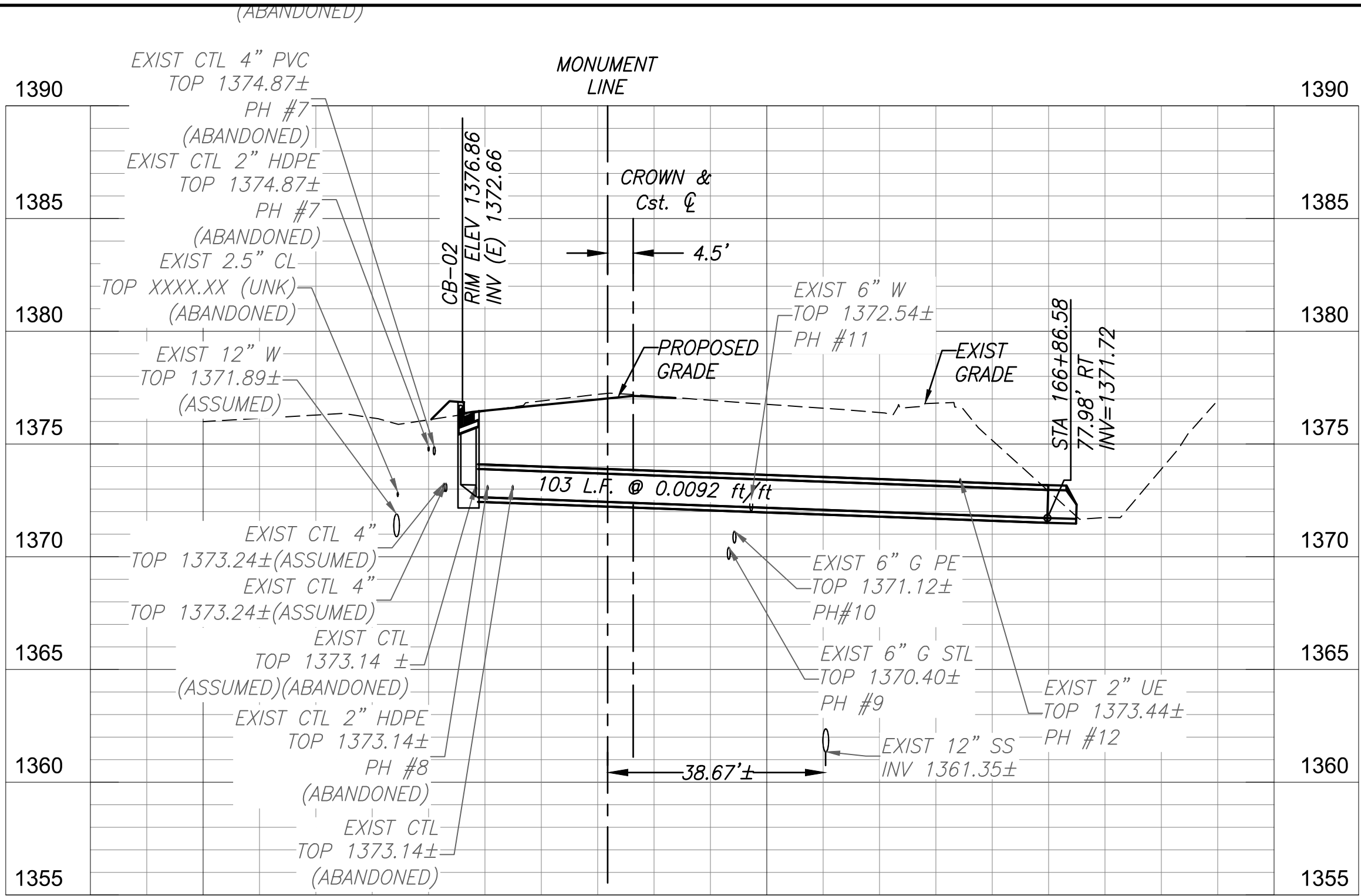
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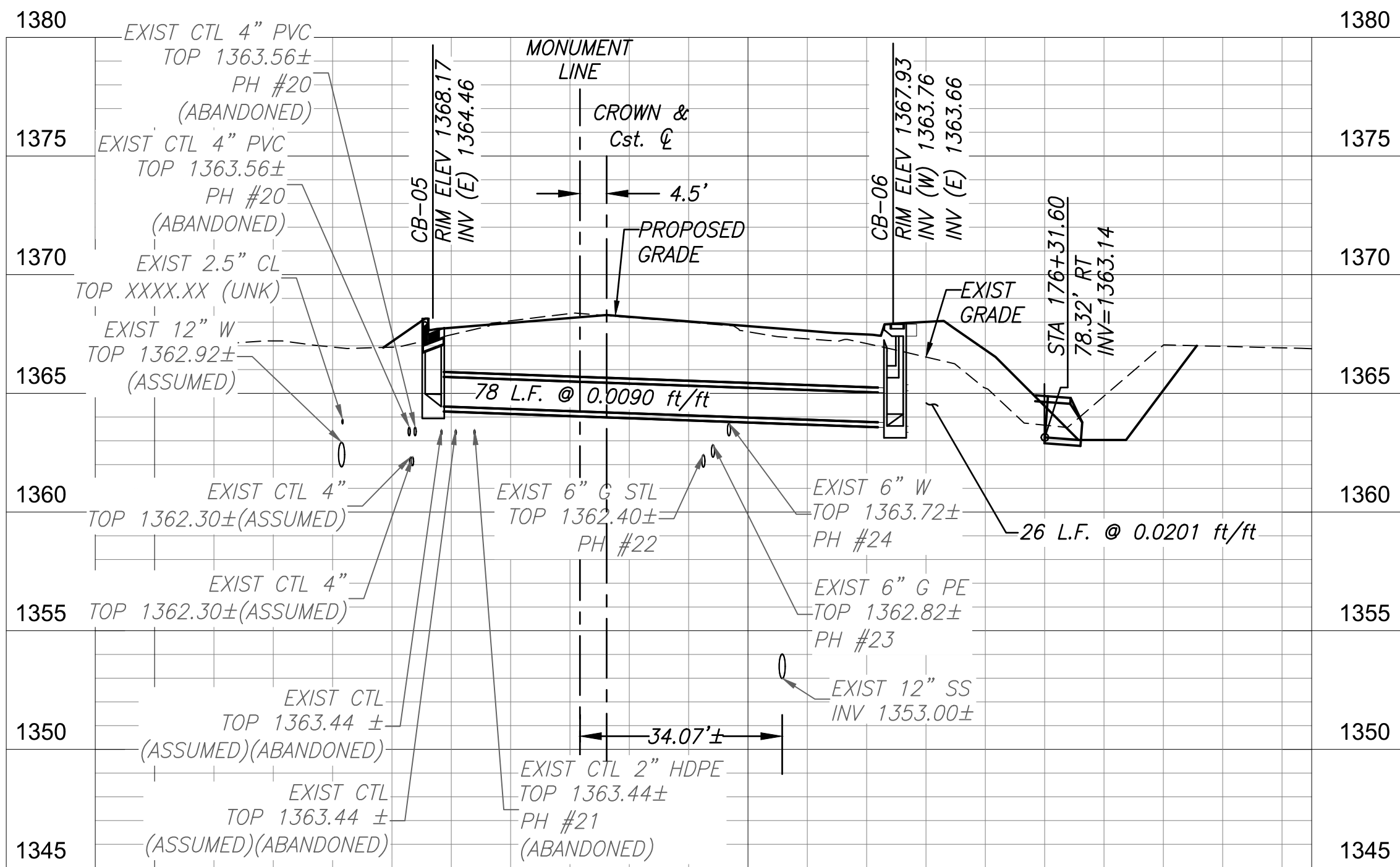
STA 163+08



STA 172+76



STA 166+87

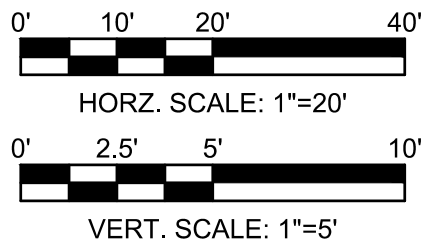


STA 176+31

NOTES:

CONTRACTOR SHALL PROVIDE ADEQUATE COVER DURING CONSTRUCTION OVER ALL PIPES TO AVOID DAMAGE. ANY DAMAGE THAT OCCURS TO THE PIPE DURING CONSTRUCTION SHALL BE REPLACED AT NO COST TO THE TOWN.

EXISTING CENTURYLINK LINES SHOWN AS "ABANDONED" ARE IDENTIFIED AS SUCH BASED ON THE DESIGN PLANS FOR CTL PROJECT NO. P.080046. CONTRACTOR SHALL FIELD VERIFY THE STATUS OF ALL CENTURYLINK FACILITIES AND COORDINATE DIRECTLY WITH CENTURYLINK TO CONFIRM ABANDONMENT PRIOR TO ANY REMOVAL, RELOCATION OR DISTURBANCE TO THE LINES.



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Professional Engineer  
17551  
CHRISTOPHER E. EGGERS  
Signed 10/03/2025  
ARIZONA, U.S.A.

**TOWN OF QUEEN CREEK**

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PIPE PROFILES

DESIGNED BY MH

DRAWN BY BE

CIP PROJ NO. A1405

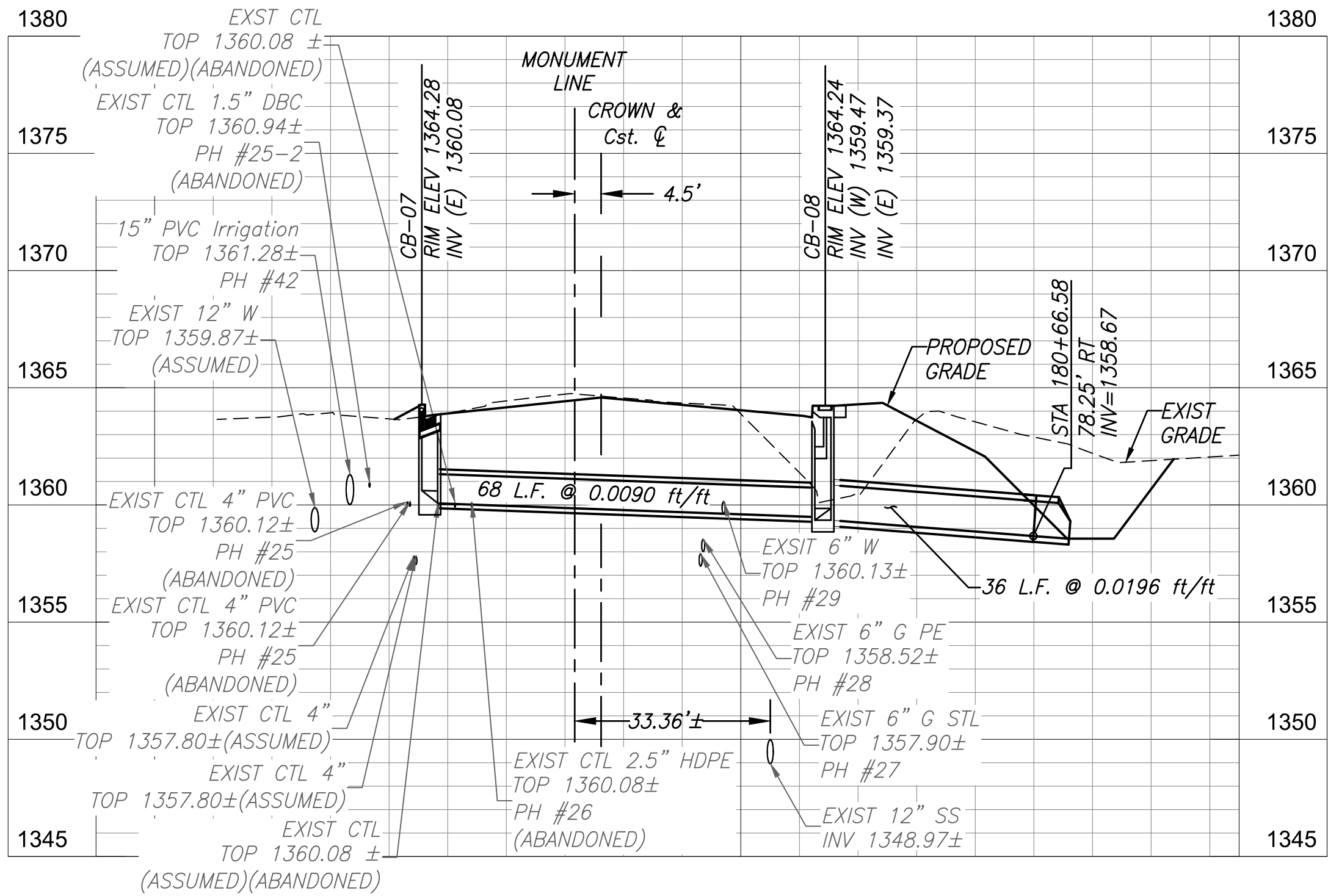
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SHEET 51 OF 133

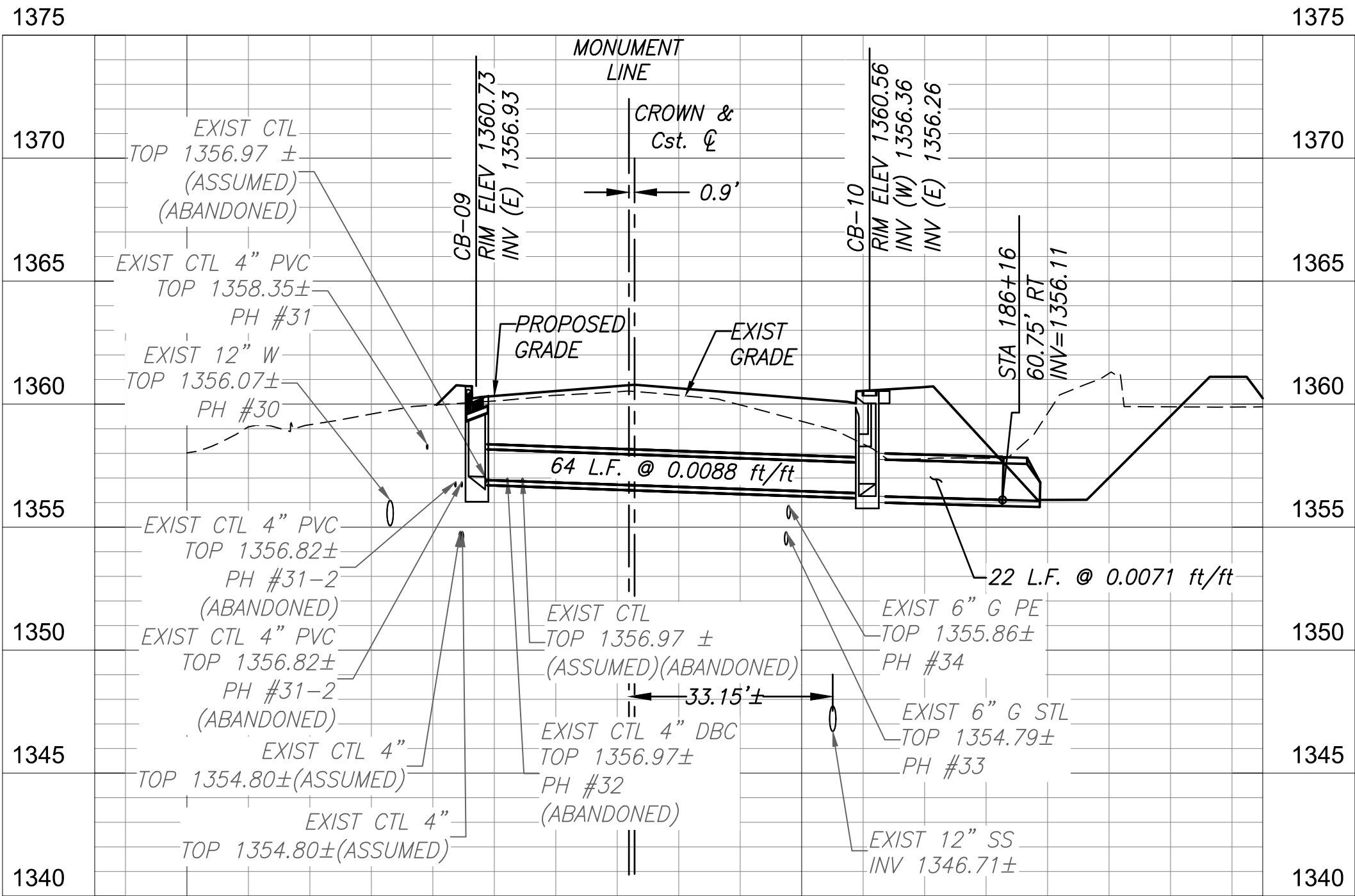
PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



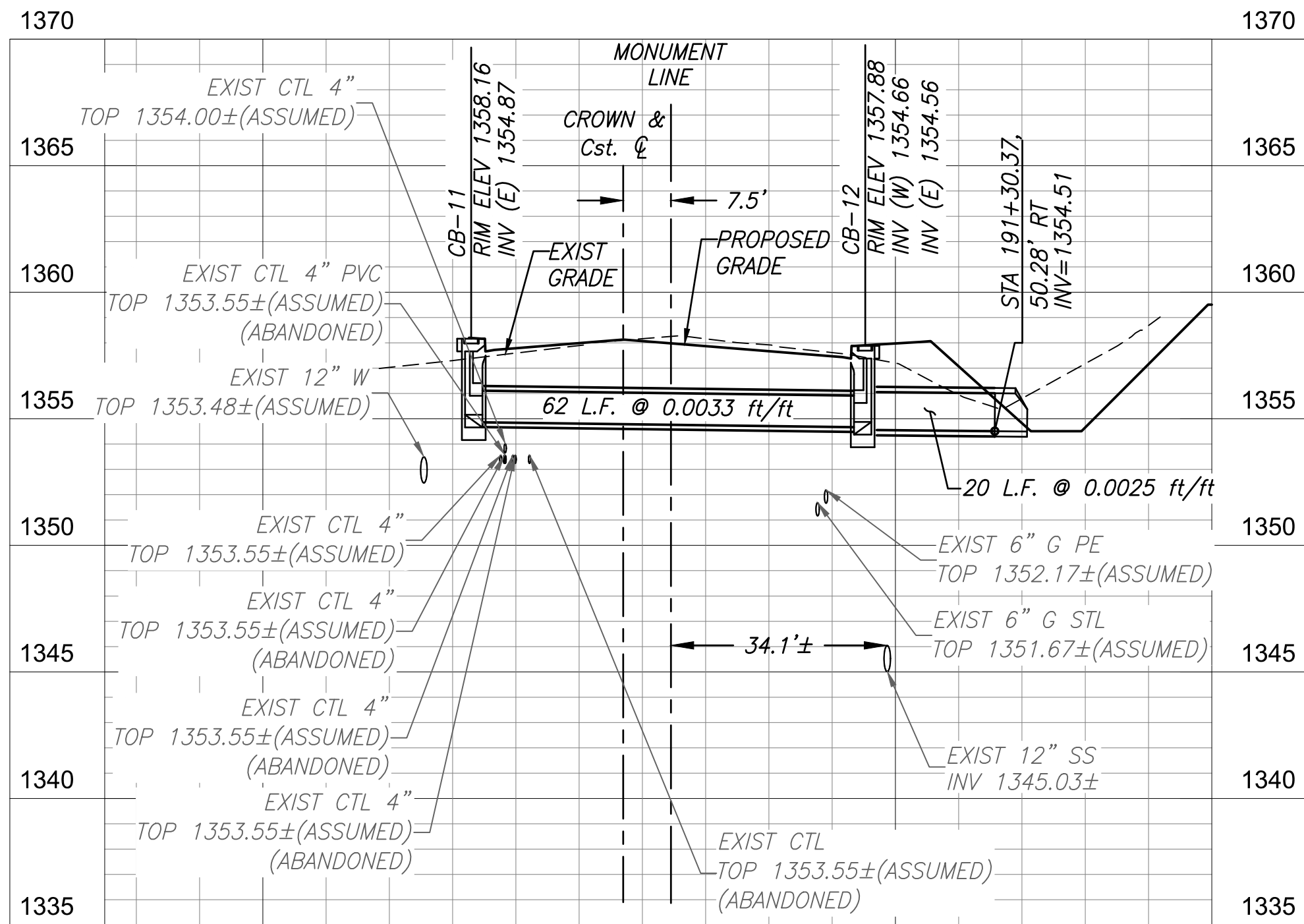
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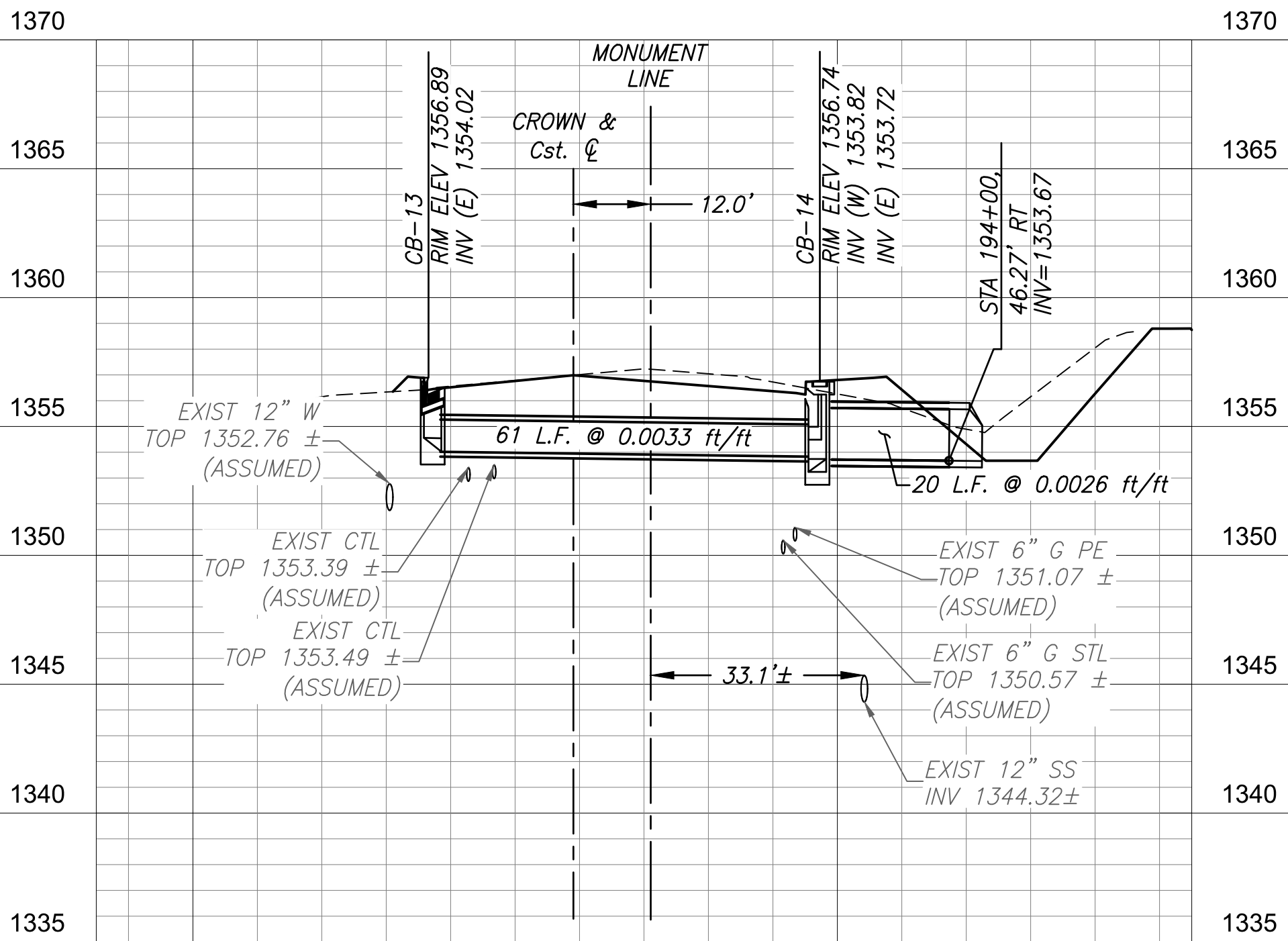
STA 180+67



STA 186+15



STA 191+30

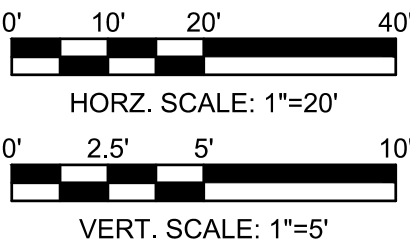


STA 194+00

NOTES:

CONTRACTOR SHALL PROVIDE ADEQUATE COVER DURING CONSTRUCTION OVER ALL PIPES TO AVOID DAMAGE. ANY DAMAGE THAT OCCURS TO THE PIPE DURING CONSTRUCTION SHALL BE REPLACED AT NO COST TO THE TOWN.

EXISTING CENTURYLINK LINES SHOWN AS "ABANDONED" ARE IDENTIFIED AS SUCH BASED ON THE DESIGN PLANS FOR CTL PROJECT NO. P.080046. CONTRACTOR SHALL FIELD VERIFY THE STATUS OF ALL CENTURYLINK FACILITIES AND COORDINATE DIRECTLY WITH CENTURYLINK TO CONFIRM ABANDONMENT PRIOR TO ANY REMOVAL, RELOCATION OR DISTURBANCE TO THE LINES.



Contact Arizona 911 at least two full working days before you begin excavation

**ARIZONA**

Call 911 or click Arizona911.com

**TOWN OF**  
**QUEEN CREEK**

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

**Stantec**

DESIGNED BY: MH

DRAWN BY: BE

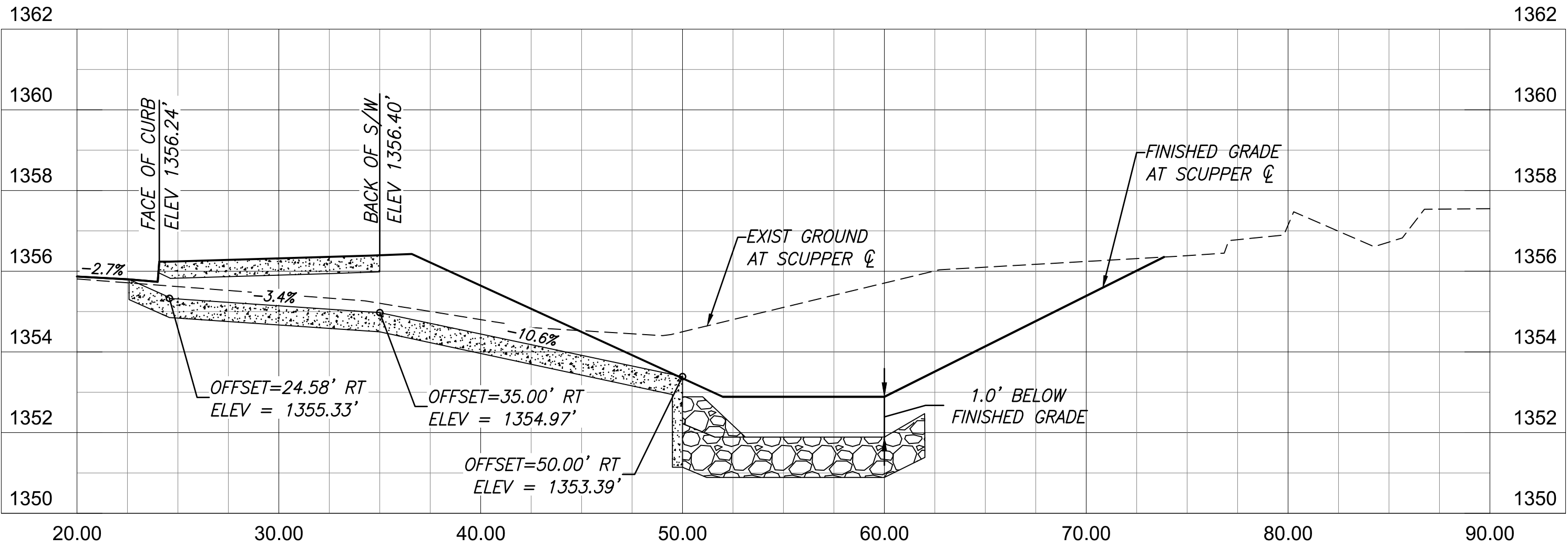
DRAWING NO. DR102

SHEET 52 OF 133

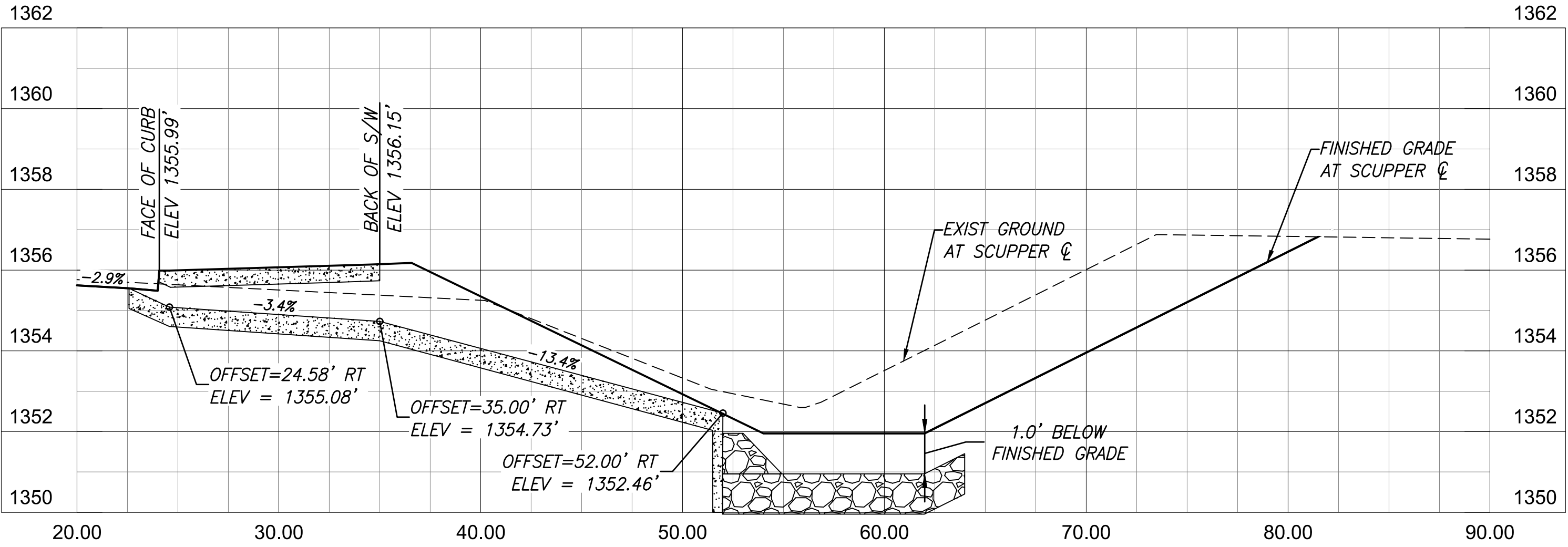
PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



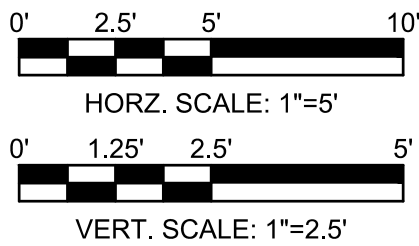
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**Sta 196+50.00 RT**



**Sta 199+50.00 RT**



 Contact Arizona 811 at least two full working days before you begin excavation Call 811 or click Arizona811.com		 <b>TOWN OF QUEEN CREEK</b>	
		POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS	
		 3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com	
<b>SCUPPER PROFILES</b>			
DESIGNED BY	MH	CIP PROJ NO. A1405	
DRAWN BY	BE		
DRAWING NO. DR201		SHEET 53 OF 133	

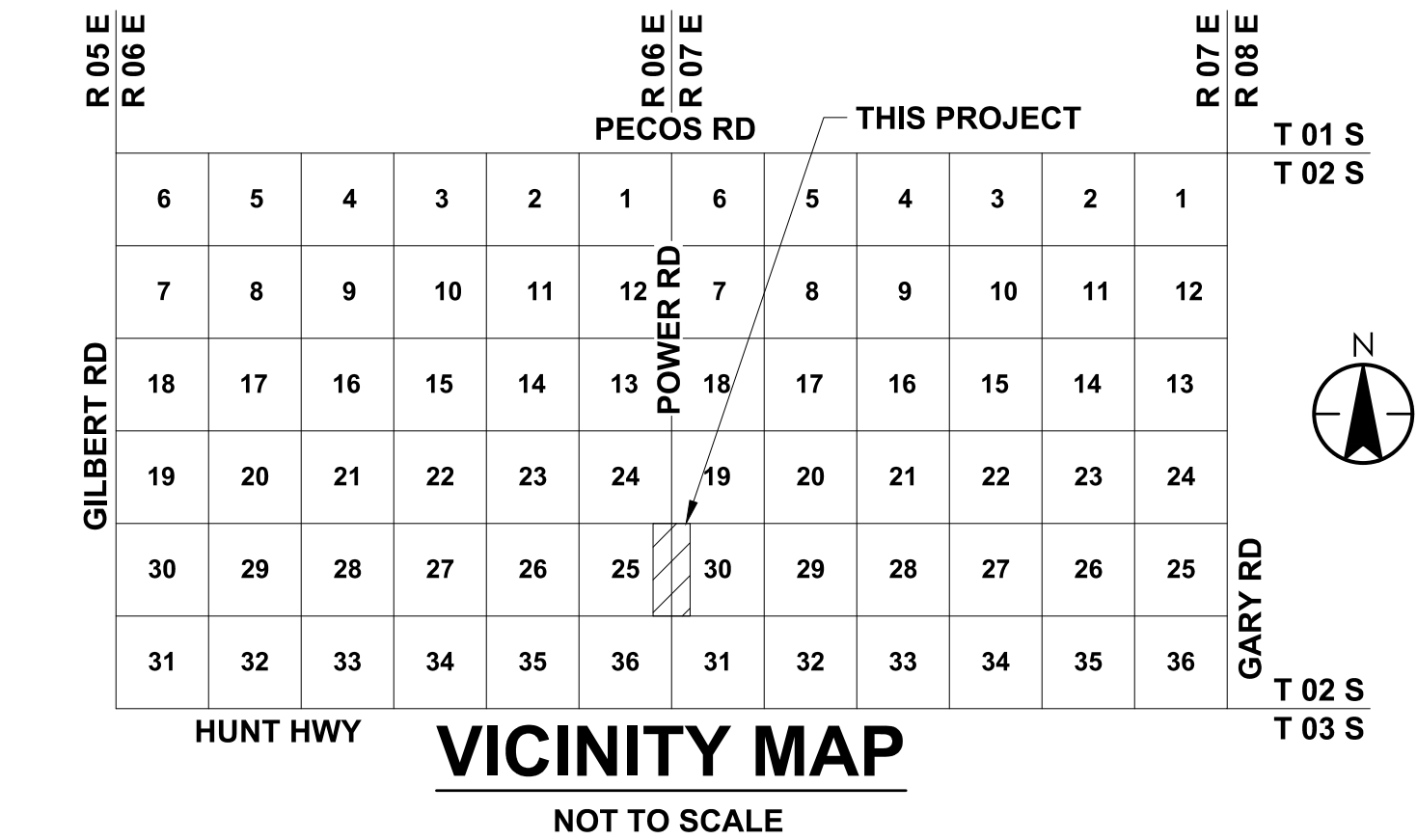


BASIS OF BEARING

WEST LINE OF NORTHWEST QUARTER OF SECTION 30, T,2 S.,  
R.7E. GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA  
COUNTY, AZ BEARING = N00°01'15.22"E, A DISTANCE OF 2711.87'

BENCHMARKS

BRASS CAP IN HANDHOLE AT INTERSECTION OF OCOTILLO  
ROAD AND POWER ROAD, SOUTHWEST CORNER OF SECTION  
18, TOWNSHIP 2 SOUTH. RANGE 7 EAST.  
ELEVATION = 1354.40' NAVD 88 VERTICAL DATUM



UTILITY COORDINATION AND CONTACT LIST

THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES AND THE  
WORK SHOWN HEREIN HAS BEEN REVIEWED FOR POTENTIAL CONFLICTS AND CLEARED OF  
KNOWN CONFLICTS WITH THEIR FACILITIES. THE UTILITY SIZES AND LOCATIONS SHOWN  
HEREIN IS IN AGREEMENT WITH PROVIDED UTILITY COMPANY RECORDS. IDENTIFIED  
CONFLICTS SHALL BE RESOLVED AS NOTED IN THE PLANS AND / OR SPECIAL PROVISIONS OR  
CONFLICTING UTILITY FACILITIES HAVE BEEN MOVED AND NO LONGER CONFLICT.  
UNFORESEEN OR UNIDENTIFIED CONFLICTS DISCOVERED IN THE FIELD SHALL BE REPORTED  
IMMEDIATELY TO THE APPROPRIATE UTILITY COMPANY REPRESENTATIVE AND BLUE STAKE  
CENTER. ALL SUCH UNKNOWN CONFLICTS SHALL BE RESOLVED BY THE DESIGN TEAM AND  
UTILITY PRIOR TO CONSTRUCTION CONTINUING IN THE LOCATION

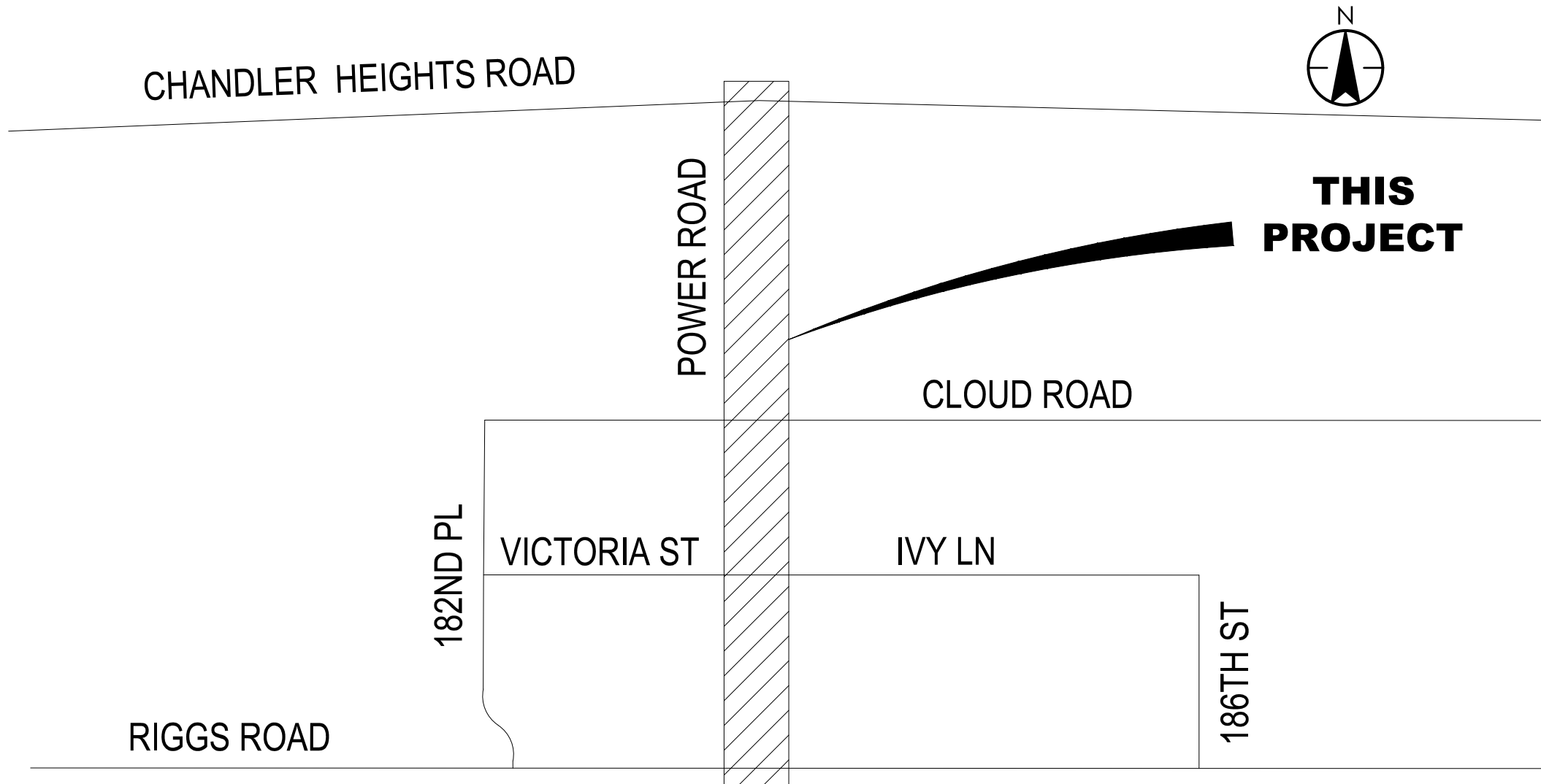
UTILITY	REPRESENTATIVE	PHONE	E-MAIL
S.R.P.	KAYE BOCKMANN	602-236-3129	KAYE.BOCKMANN@SRPNET.COM
SW GAS	GENE FLOREZ	480-730-3841	GENE.FLOREZ@SWGAS.COM
CENTURYLINK	KEVIN WAGNER	815-245-9640	KWAGNER@TERRATECHLLC.NET
COX COMM.	JEFF KRAUSE	520-955-0084	JEFF.KRAUSE@COX.COM
TOQC WATER	MIKE HUBER	480-358-3482	MIKE.HUBER@QUEENCREEKAZ.GOV
TOQC SEWER	MIKE HUBER	480-358-3482	MIKE.HUBER @QUEENCREEKAZ.GOV
TOQC TRAFFIC ITS	CLINTON MCCLEVE	480-358-3476	CLINTON.MCCLEVE@QUEENCREEKAZ.GOV
SAN TAN IRRIGATION	TODD ANGLE	480-988-3385	TODD@SANTANID.COM
RANCHOS JARDINES	JIM MILLSPAUGH	480-570-2643	JMRJID@GMAIL.COM
CITRUS IRRIGATION	GREGORY DUNNAN	480-254-0983	GDUNNAN@DKGCIVIL.COM

UNDERGROUND UTILITIES

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR STRUCTURE  
DEPICTED HEREIN IS BASED UPON THE BEST AVAILABLE INFORMATION FURNISHED  
BY THE UTILITY OR STRUCTURE OWNER AT THE TIME OF THE SURVEY.
- TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING UTILITIES  
WITHIN THE PROJECT LIMITS EXCEPT AS SHOWN ON THESE DRAWINGS.
- THE ENGINEER AND TOWN ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE  
UTILITY LOCATIONS DEPICTED IN THESE DRAWINGS.
- THE CONTRACTOR SHALL CALL BLUE STAKE AT (602) 263-1100 OR 811 AT LEAST 48  
HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY. IT IS THE CONTRACTOR'S  
RESPONSIBILITY TO CONTACT ALL INVOLVED UTILITIES AND FIELD VERIFY THE  
LOCATION(S) OF ALL UTILITIES.
- IF DISCREPANCIES IN UTILITY LOCATIONS ARE FOUND, THE CONTRACTOR SHALL  
NOTIFY THE TOWN'S PROJECT REPRESENTATIVE IMMEDIATELY.
- ALL MATERIAL THAT COMES INTO CONTACT WITH WATER SHALL CONFORM TO  
ANSI/NSF STANDARD 61.

TOWN OF QUEEN CREEK  
C.I.P PROJECT NO. A1405  
WATER PLANS

POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



LOCATION MAP

SHEET INDEX

SHEET TITLE	DRAWING NO.	SHEET NO.
WATER COVER SHEET AND SHEET INDEX	CS003	54
WATER KEY MAP	KM002	55
WATER PLAN AND PROFILE SHEETS	UW001 - UW006	56-61
WATER DETAIL SHEET	UW101 - UW102	62-63

DESIGN DATA

**POWER ROAD**  
CLASSIFICATION.....URBAN MINOR ARTERIAL  
DESIGN SPEED.....55 MPH  
AVERAGE DAILY TRAFFIC(ADT).....UNKNOWN  
CLEAR ZONE DISTANCE.....MINIMUM SIX-FEET (6')

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD-DRAWING"  
MEASUREMENTS AS SHOWN HEREON WERE MADE  
UNDER MY SUPERVISION, OR AS NOTED, AND ARE  
CORRECT TO THE BEST OF MY KNOWLEDGE AND  
BELIEF.

REGISTERED ENGINEER/  
LAND SURVEYOR SEAL &  
DATE



TOWN COUNCIL

MAYOR - JULIA WHEATLEY  
VICE-MAYOR - LEAH MARTINEAU  
COUNCIL MEMBERS  
ROBIN BENNING  
JEFF BROWN  
BRYAN MCCLURE  
DAWN OLIPHANT  
TRAVIS PADILLA

TOWN OF QUEEN CREEK

19715 S. 220TH ST  
QUEEN CREEK, AZ 85142  
TELEPHONE (480) 358-3140  
FAX (480) 358-3105  
CONTACT: Bob Coulthard  
E-MAIL: bob.coulthard@queencreekaz.gov

ENGINEER

STANTEC CONSULTING INC.  
3133 WEST FRYE ROAD SUITE 300  
CHANDLER, AZ 85226  
PHONE: (480) 687-6100  
FAX: (480) 431-9562  
CONTACT: Chris Eggers  
EMAIL: chris.eggers@stantec.com

APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING  
AGENCIES HEREBY ACKNOWLEDGE OR HAVE  
ACKNOWLEDGED THAT THEY HAVE REVIEWED AND  
APPROVED THE DESIGN SHOWN HEREIN. CONSTRUCTION  
MAY BEGIN AFTER ALL APPROPRIATE PERMITS HAVE  
BEEN OBTAINED.

TOWN CIP GROUP DIRECTOR

TOWN TRAFFIC ENGINEER

TOWN OF QUEEN CREEK UTILITY ENGINEER

MARICOPA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES  
DWR2500548

Contact Arizona 811 at least two full working days before you begin excavation <b>ARIZONA</b> Call 811 or click Arizona811.com		TOWN OF QUEEN CREEK
	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS	
		3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com
WATER COVER SHEET AND SHEET INDEX		
DESIGNED BY MH	CIP PROJ NO. A1405	
DRAWN BY BE		
DRAWING NO. CS003	SHEET 54 OF 133	

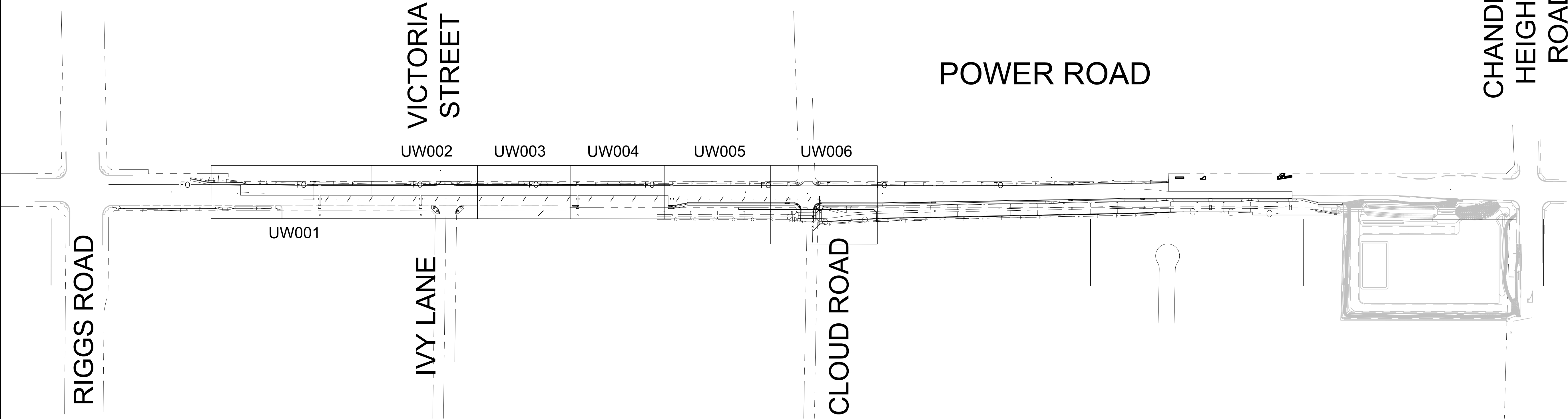
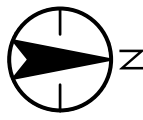
LOCATION FOR AS-BUILT INDEXING

TOWNSHIP	RANGE	SECTION	QUARTER
2S	6E	25	NE
2S	6E	25	SE
2S	6E	30	NW
2S	6E	30	SW



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KEY  
UW#### - WATER PLAN AND PROFILE



TOWN OF QUEEN CREEK WATER GENERAL NOTES

- ALL WORK, TESTING AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE TOWN OF QUEEN CREEK DESIGN AND CONSTRUCTION STANDARDS MANUAL. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH STANDARDS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE TOWN OF QUEEN CREEK WATER DEPARTMENT REPRESENTATIVE SHALL HAVE FINAL AUTHORITY ON ALL IMPROVEMENTS REGARDLESS OF THE PLANS AND/OR SPECIFICATIONS.
- THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH DEPARTMENT REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING PERMITS AND RENEWAL OF LAPSED PERMITS.
- THE WATER DEPARTMENT APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND APPROVAL.
- AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL PERMANENT AND TEMPORARY EASEMENTS PRIOR TO BEGINNING CONSTRUCTION.
- PRIVATE ON-SITE WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE UNIFORM PLUMBING CODE AND THE LATEST REVISION OF THE UNIFORM FIRE CODE.
- ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL INTERESTED UTILITY COMPANIES AND HAS TRANSFERRED ALL EXISTING AND/OR PROPOSED UTILITY LINES AND RELATED INFORMATION ONTO THESE PLANS.
- THE ENGINEER SHALL CERTIFY THAT ALL WATER IMPROVEMENTS HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS.
- THE ENGINEER SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN UTILITIES HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
- THE CONTRACTOR SHALL ARRANGE TO PROVIDE ALL CONSTRUCTION STAKING REQUIRED FOR THE PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, REMOVALS BY OTHERS, ETC.
- ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PLACING OF ASPHALT SURFACE COURSE BY THE CONTRACTOR AS PER MAG STANDARD DETAIL 270 AND 422.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 283-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING.
- CONTRACTOR WILL EXPOSE ALL TIE-IN POINTS TO VERIFY LOCATION PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.
- THE TOWN OF QUEEN CREEK WATER DEPARTMENT IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL THE WATER DEPARTMENT PARTICIPATE IN THE COST OF UTILITY RECONSTRUCTION OR RELOCATION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTION AND TESTING. INSPECTIONS SHOULD BE COORDINATED WITH BILL LAWRENCE (480) 748-3952. INSPECTIONS ARE ON A DAY-TO-DAY, FIRST COME, FIRST SERVED BASIS. CONSTRUCTION CONCEALED WITHOUT THE REQUIRED INSPECTION SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR WILL FOLLOW GUIDELINES AND REGULATIONS SET FORTH BY OSHA. NEITHER THE ENGINEER NOR THE TOWN WILL BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKEOFF QUANTITIES. QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY AND AS SUCH ARE NOT TO BE USED FOR BID PURPOSES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON AND AROUND THE CONSTRUCTION SITE.
- ALL WATER LINES SHALL HAVE 48" MINIMUM COVER AS SPECIFIED IN THE TOWN OF QUEEN CREEK WATER DEPARTMENT DESIGN STANDARDS AND CONSTRUCTION MANUAL.
- CONTRACTOR MUST MAINTAIN SLOPE OF WATER LINES TO HIGH POINTS AT COMBINATION AIR VALVES OR LOW POINTS AT BLOW OFFS OR FIRE HYDRANTS.





- IN ACCORDANCE WITH AAC R18-4-213, ALL MATERIALS ADDED AFTER JANUARY 1, 1993 WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61.
- DUCTILE IRON PIPE, WHEN REQUIRED, SHALL BE THICKNESS CLASS 350.
- SERVICE CONNECTION BACK-FLOW PREVENTORS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS NOTED ON THE PLANS.
- FIRE HYDRANTS SHALL RECEIVE 2 FIELD COATS OF CHROME YELLOW PAINT PRIOR TO ACCEPTANCE OF WORK BY THE WATER DEPARTMENT.
- DEVELOPER IS TO INSTALL ALL TAPS AND METER BOXES. REFER TO THE WATER DEPARTMENT DESIGN AND CONSTRUCTION STANDARDS MANUAL FOR CLARIFICATION ON METER BOX LOCATION AND REQUIRED MATERIALS.
- METERS SHALL BE FURNISHED AND INSTALLED BY THE WATER DEPARTMENT.
- PAVEMENT REPLACEMENT AND TRENCH REPAIR SHALL BE DONE TO MAG STANDARD SPECIFICATIONS AND DETAILS.
- ALL WATER SERVICE CONNECTIONS SHALL BE EXTENDED TO THE PROPOSED METER LOCATIONS AS INDICATED ON THE PLANS SUCH THAT ADDITIONAL EXTENSION WILL NOT BE REQUIRED.
- IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL "AS-BUILT" PLANS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE WATER DEPARTMENT.

MCDOT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REVISED EDITION OF THE UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) AS AUTHORIZED AND MODIFIED BY THE MOST CURRENT MCDOT SUPPLEMENT TO THE MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS AND NON-CONFLICTING PROJECT SPECIAL PROVISIONS. ALL WORK MUST ALSO COMPLY WITH RESOLUTION 2001-01 MARICOPA COUNTY RESOLUTION FOR PERMITS TO WORK IN DEDICATED RIGHT-OF-WAY AND RESOLUTION 2001-02 MARICOPA COUNTY RESOLUTION FOR STREET IMPROVEMENTS, INSTALLATION OF UTILITIES AND TRAFFIC CONTROL. ANY EXCEPTIONS MUST RECEIVE EXPLICIT APPROVAL FROM MCDOT AND SHALL BE IDENTIFIED ON THE PLANS AS HAVING EXPLICIT APPROVAL FROM MCDOT. ALL CLEAR ZONE HAZARDS SHALL BE MITIGATED IN A MANOR APPROVED BY MCDOT AT NO COST TO THE COUNTY.
- THE ENGINEERING DESIGNS ON THESE PLANS ARE ONLY APPROVED BY MCDOT IN CONCEPT AND NOT IN DETAIL. CONSTRUCTION QUANTITIES ON THESE PLANS ARE NOT VERIFIED BY MCDOT. APPROVAL OF THESE PLANS ARE FOR PERMIT PURPOSES ONLY AND SHALL NOT PREVENT MCDOT FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, HEALTH, SAFETY, THE MCDOT ROADWAY DESIGN MANUAL, OR OTHER DESIGN ISSUES.
- AN APPROVED SET OF PLANS SHALL BE ON THE SITE DURING CONSTRUCTION AND AVAILABLE TO MCDOT AND OTHER INSPECTORS.
- ALL BOX CULVERTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) LATEST DESIGN SPECIFICATIONS AND STANDARDS. MINIMUM CLEAR HEIGHT OF BOX CULVERT SHALL BE 4 FEET.
- CONTRACTOR TO OBTAIN MCDOT PERMITS PRIOR TO CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY, AND ALL NECESSARY PERMITS FROM OTHER AGENCIES AND FROM LOCAL GOVERNMENTS FOR WORK WITHIN THEIR JURISDICTION.
- CONTRACTOR SHALL NOTIFY THE MCDOT INSPECTION DEPT. AT LEAST 24 HOURS IN ADVANCE OF ANY CONSTRUCTION AT (602) 506-8606.
- CONTRACTOR PERFORMING CONSTRUCTION OR EXCAVATING OPERATIONS IS RESPONSIBLE FOR LOCATING AND RELOCATING ALL UTILITIES IN CONFLICT AT NO EXPENSE TO MARICOPA COUNTY. THE CONTRACTOR SHALL CONTACT "BLUE STAKE" AT (602) 263-1100 PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY REQUIRED PERMITS FOR EARTH MOVING FROM MARICOPA COUNTY AIR QUALITY DEPARTMENT'S DUST COMPLIANCE DIVISION (602) 506-6010 PRIOR TO CONDUCTING

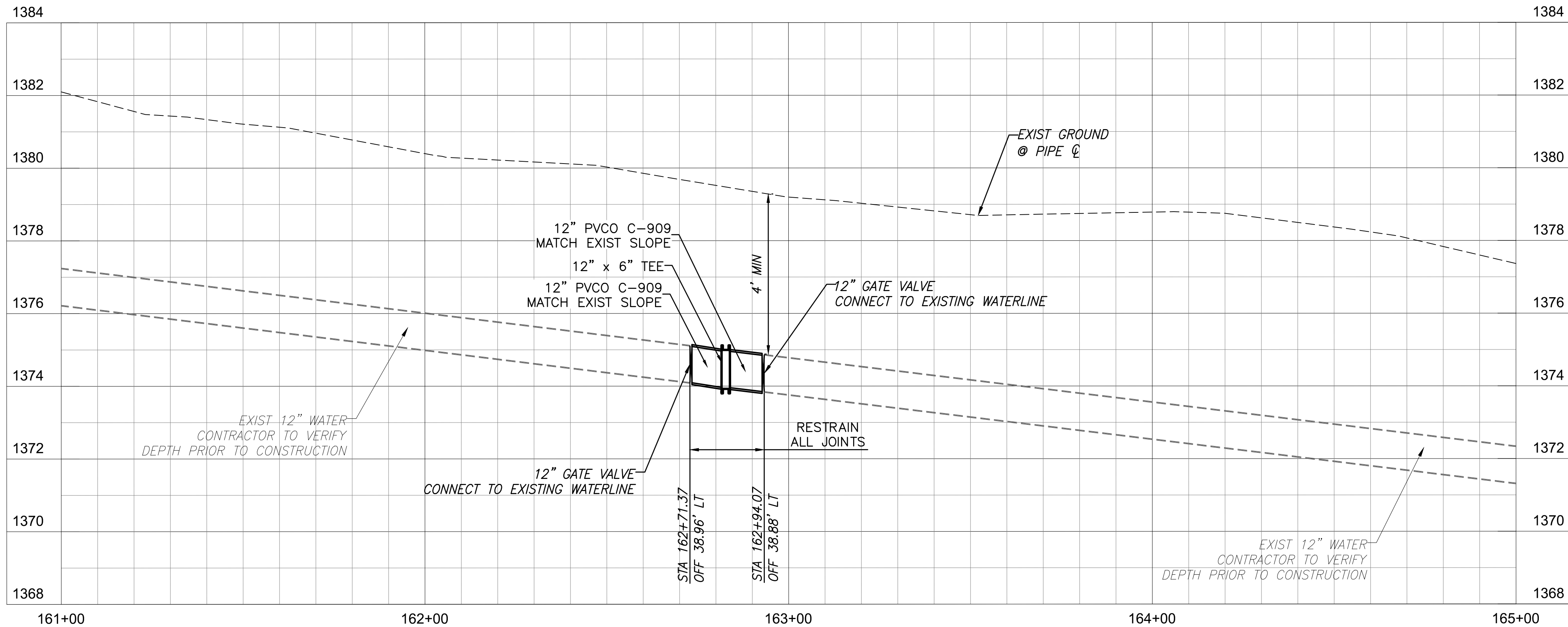
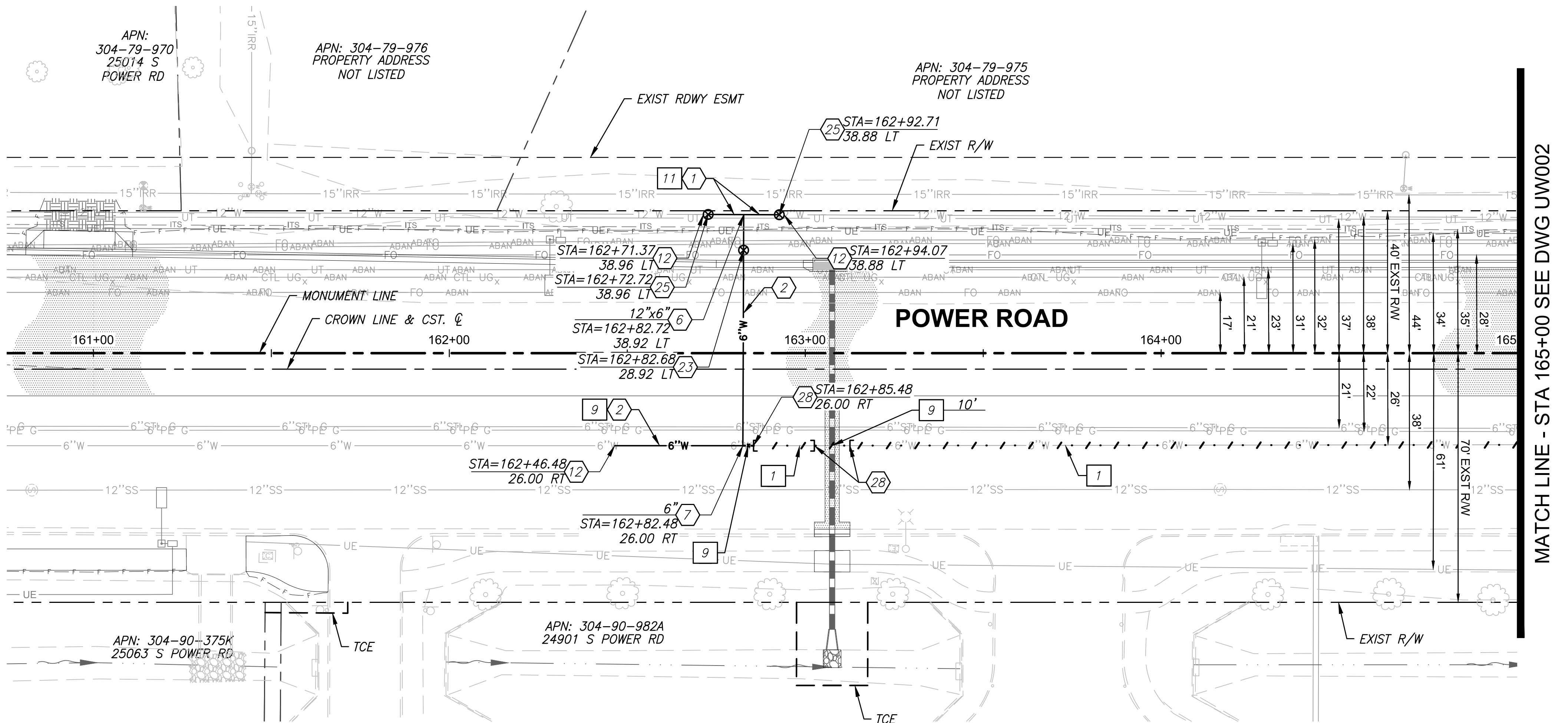
EXCAVATION OPERATIONS. A COPY OF THE PERMIT AND DUST CONTROL PLAN SHALL BE SUBMITTED TO THE COUNTY ENGINEER PRIOR TO COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES.

- PRIOR TO CONDUCTING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL OBTAIN FROM THE ARIZONA STATE HISTORICAL PRESERVATION OFFICER (602) 542-4009, RECOMMENDATIONS REGARDING THE NEED FOR CULTURAL RESOURCES (ARCHAEOLOGICAL) CLEARANCE. ALL DISCOVERIES OF HUMAN REMAINS, CULTURAL ARTIFACTS, OR PALEONTOLOGICAL REMAINS SHALL BE REPORTED TO THE ARIZONA STATE MUSEUM AND MCDOT. UPON DISCOVERY, CONTRACTOR SHALL CEASE OPERATIONS IN THE VICINITY OF THE FIND AND PROTECT THE DISCOVERY AREA FROM FURTHER DISTURBANCE UNTIL THE FIND CAN BE PROFESSIONALLY INVESTIGATED BY THE ARIZONA STATE MUSEUM AND MCDOT.
- EXCEPT UNDER EMERGENCY CONDITIONS, ROADS SHALL NOT BE CLOSED FOR CONSTRUCTION ACTIVITY UNLESS PRIOR APPROVAL IS OBTAINED FROM THE MCDOT TRANSPORTATION DIRECTOR OR HIS REPRESENTATIVE.
- PRIOR TO MOVING OR DESTROYING PROTECTED NATIVE PLANT SPECIES, THE CONTRACTOR SHALL FILE A FORMAL NOTICE OF INTENT WITH THE ARIZONA DEPARTMENT OF AGRICULTURE NATIVE PLANTS (602) 542-6408.
- PRIOR TO INSTALLATION OF CURB, GUTTER, SIDEWALK, BASE COURSE AND WEARING SURFACE, SUBMIT SOIL TEST(S) OF SUBGRADE AND REVISED PAVEMENT DESIGN/CALCULATIONS TO MCDOT FOR REVIEW AND APPROVAL. IF SUBGRADE STABILIZATION IS REQUIRED, THE AREA STABILIZED SHALL BE FROM BACK OF SIDEWALK TO BACK OF SIDEWALK AND MATCH THE STABILIZATION DEPTH OF THE PAVEMENT STRUCTURE.
- ASPHALT MIX DESIGN SHALL BE SUBMITTED TO MCDOT A MINIMUM OF 48 HOURS PRIOR TO PLACING ANY ASPHALT COURSES. (TRENCH WORK EXCLUDED.) ALL PAVED TURNOUTS SHALL HAVE THE SAME ASPHALT AND BASE REQUIREMENTS AS THE ADJACENT ROADWAY UNLESS NOTED OTHERWISE.
- ALL COMPACTION AND BACKFILL WITHIN COUNTY RIGHT-OF-WAY SHALL CONFORM TO THE MCDOT SUPPLEMENT TO MAG SPECIFICATION SECTION 601. BACKFILL UNDER EXISTING PAVEMENT, CURB AND GUTTER, ROADWAY SHOULDERS, AND UNPAVED ROADWAYS SHALL CONSIST OF ONE-HALF (1/2) OR ONE SACK CLSM. UNPAVED ROADWAY AREAS INCLUDE THE TRAVELLED WAY PLUS FIVE FEET BEYOND THE TRAVELLED WAY.
- ALL STRUCTURES, SUCH AS MANHOLES, VALVE BOX & COVERS, AND MONITORING WELLS MUST BE MARKED WITH AT LEAST TWO REFLECTIVE YELLOW FLEX POSTS WHEN STRUCTURES ARE LOCATED OUTSIDE THE TRAVELED WAY AND WITHIN THE RIGHT-OF-WAY. (APPLIES ONLY WHEN THERE IS NO CURB.)
- PAVEMENT WIDENING AND PAVEMENT REPLACEMENT SHALL CONFORM TO REQUIREMENTS OF SPECIFICATION SECTION 336. PAVEMENT CUTS SHALL NOT BE LOCATED WITHIN A LANE WHEEL PATH. THE LANE WHEEL PATH IS THE ENTIRE LANE WIDTH EXCEPT THE AREA WITHIN ONE FOOT OF A LANE LINE STRIPE AND EXCEPT THE CENTER TWO FEET OF THE TRAVEL LANE.
- ALL EXISTING PAVEMENT MARKINGS, TRAFFIC SIGNS AND SIGNAL EQUIPMENT THAT NEED TO BE REMOVED, REPLACED, RELOCATED OR REPAIRED BECAUSE OF CONTRACTOR'S WORK WILL BE DONE BY THE CONTRACTOR AT HIS EXPENSE. ALL SALVAGED SIGNS SHALL BE DELIVERED TO THE TRAFFIC OPS BUILDING AT 2909 W. DURANGO ST. ARRANGEMENTS CAN BE MADE FOR DELIVERY BY CALLING (602) 506-8662. ALL NEW STREET NAME SIGNS SHALL BE PROVIDED AND INSTALLED BY PERMITTEE AT NO EXPENSE TO MARICOPA COUNTY.
- PAVEMENT MARKING, SIGNING AND SIGNAL WORK WILL BE INSPECTED AND SHALL MEET COUNTY STANDARDS BEFORE RELEASE OF BOND.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY TO A CONDITION EQUAL TO OR BETTER THAN PRIOR EXISTING CONDITIONS PER MAG 107.9. DISPOSAL OF ALL WASTE MATERIAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL PIPES, FITTINGS, VALVES, FIRE HYDRANTS AND OTHER APPURTENANCES SHALL CONFORM TO CURRENT AWWA, ASTM, AND NSF STANDARDS. (EB 10, CHAP. 7, SECTION B)
- ALL NEW ELEMENTS OF A DISTRIBUTION SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN 8 OR AWWA C651. (MAG 611.3)

<div>Contact Arizona 911 at least two full working days before you begin excavation</div> <div> Call 611 or click Arizona911.com</div>		<div></div> <div>TOWN OF QUEEN CREEK</div>
<div></div>		<div>POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS</div>
		<div> 3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com</div>
WATER PLAN KEY MAP		
DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. KM02		SHEET 55 OF 133



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WATER CONSTRUCTION NOTES		QUANTITY
1	Install 12" Ultra Blue PVC C-909 Waterline per TOQC Std Dtl QW606, Restrain All Joints	20 LF
2	Install 6" Ultra Blue PVC C-909 Waterline per TOQC Std Dtl QW606, Restrain All Joints	101 LF
6	Install Restrained Tee, Size as Noted on the Plan	- NPI
7	Install 90 Degree Restrained Bend, Size as Noted on the Plan	- NPI
12	Connect to Existing Waterline where Shown. Contractor to Verify Tie-in Points Prior to Beginning Construction	- NPI
23	Install 6" Gate Valve, Box and Cover per TOQC Std Dtl QW301 and 302	1 EA
25	Install 12" Gate Valve (MIXFL), Box and Cover per TOQC Std Dtl QW301 and 302. Valve to be fully restraint to pipe connections.	2 EA
28	Install Cap	- NPI

REMOVAL NOTES		QUANTITY
1	Abandon Existing Waterline In Place to Limits Shown on the Plan	- NPI
9	Remove Existing 6" Waterline to Limits of New Line Construction	49 LF
11	Remove Existing 12" Waterline to Limits of New Line Construction	20 LF

**NOTES:**

For trench detail see TOQC Std Dtl QW606 on Drawing No. UW102. All water lines shall have 48 inches minimum cover per the Town of Queen Creek Water Department Design Standards and Construction Manual.

0' 10' 20' 40'  
HORZ. SCALE: 1"=20'

ARIZONA PROFESSIONAL ENGINEER  
17551  
CHRISTOPHER E. EGERS  
Signed 10/03/25  
ARIZONA, U.S.A.

**TOWN OF  
QUEEN CREEK**

**Stantec**

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.487.6100  
www.stantec.com

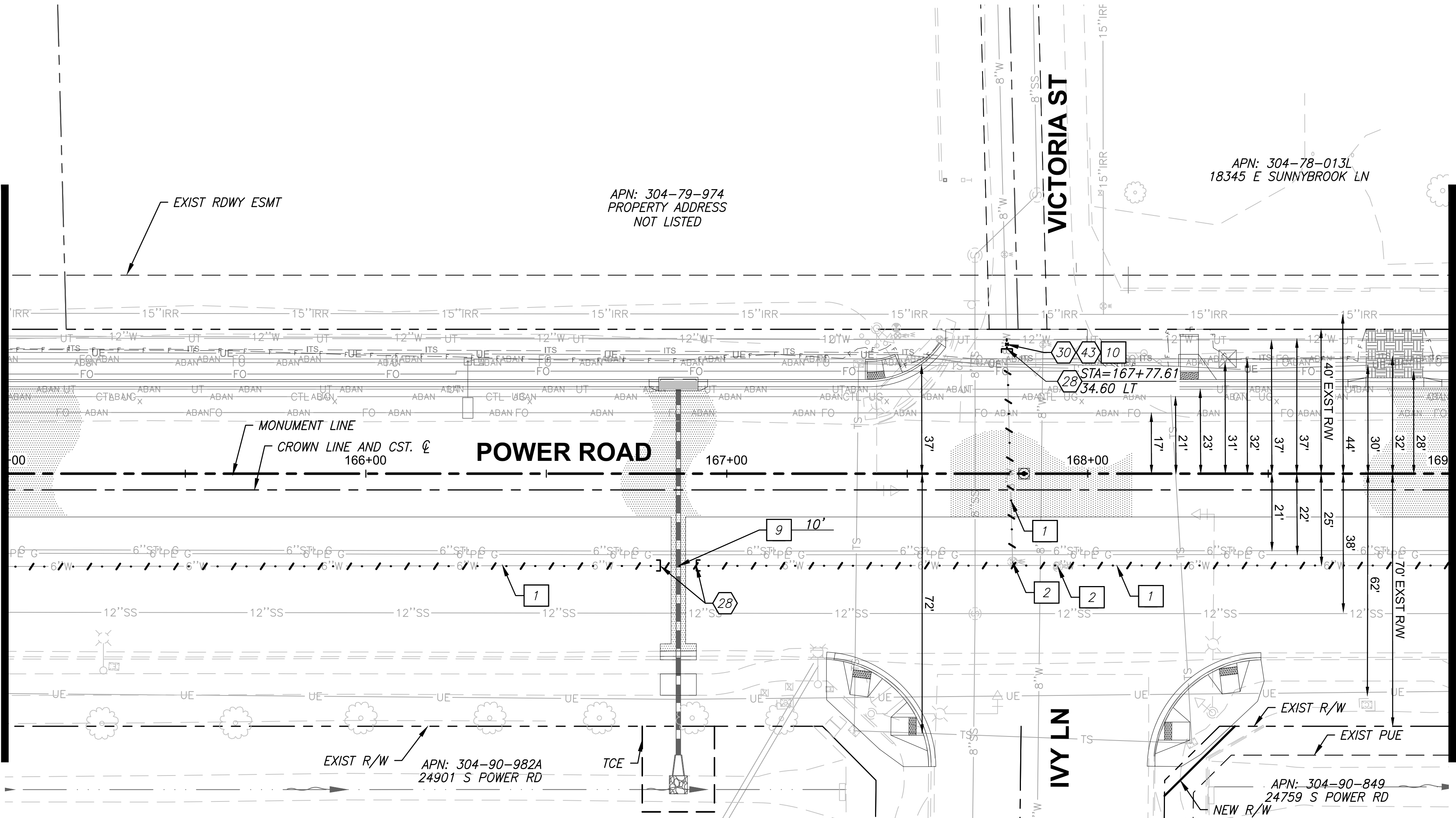
WATER PLAN		
DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. UW001		SHEET 56 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



\\us0310-pdfs01\workgroup\1817\active\181711207\700\_CADD\Sheet\_Files\11207-UW002\_WATER\_PLAN\_PROFILE\_02 - UW002.dwg, 10/3/2025 2:43:44 PM

MATCH LINE - STA 165+00 SEE DWG UW001



MATCH LINE - STA 169+00 SEE DWG UW003

WATER CONSTRUCTION NOTES		QUANTITY
28	Install Cap	- NPI
30	Install Thrust Block per TOQC Std Dtl QW503	1 EA
43	Install Mechanical Joint Plug on East Side of Existing Cross.	- NPI

REMOVAL NOTES		QUANTITY
1	Abandon Existing Waterline In Place to Limits Shown on the Plan	- NPI
2	Abandon Existing Gate Valve in Place per Dtl "K" Sht UW102	- NPI
9	Remove Existing 6" Waterline to Limits of New Line Construction	10 LF
10	Remove Existing 8" Waterline to Limits of New Line Construction	3 LF

NOTES:

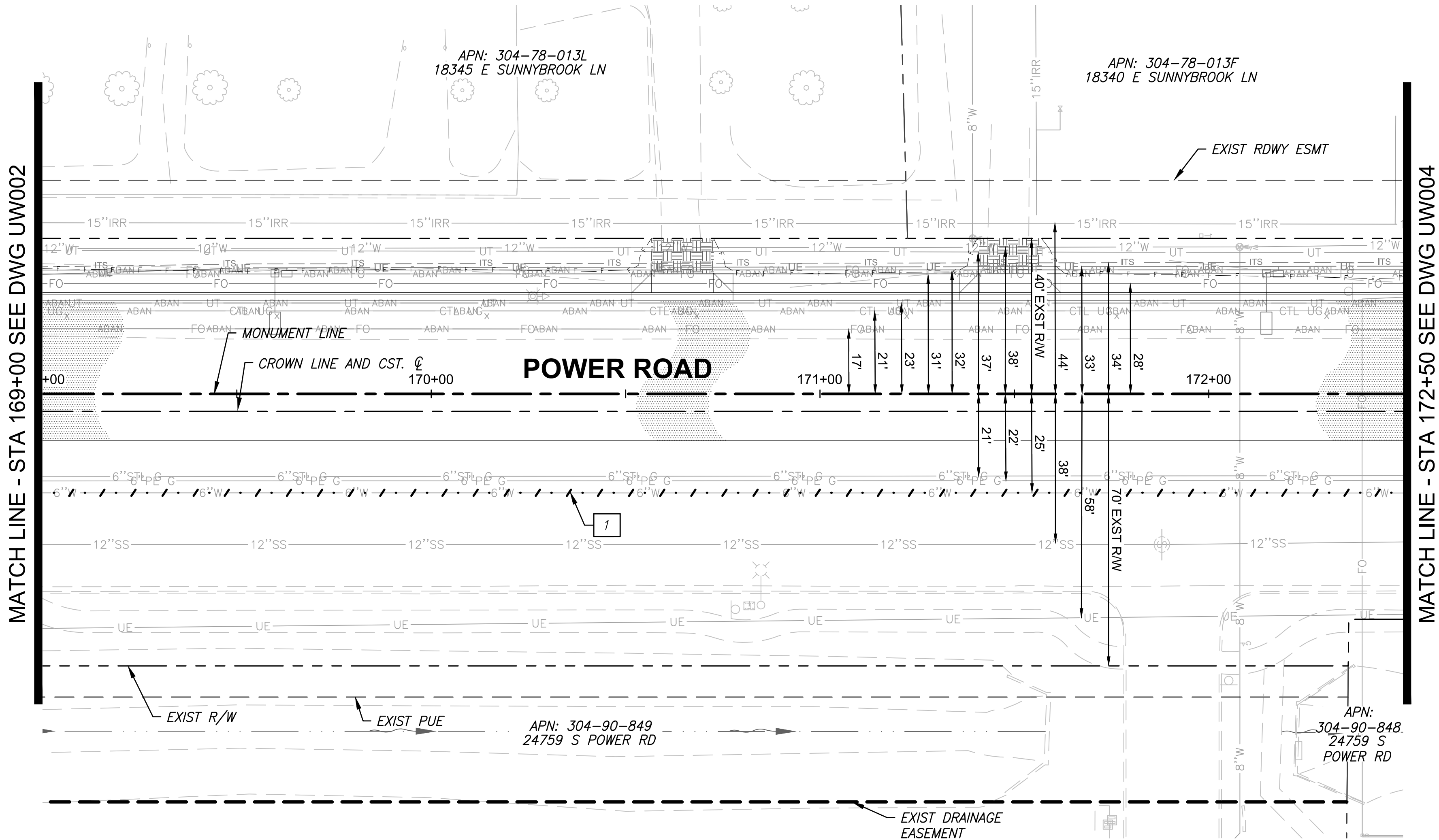
For trench detail see TOQC Std Dtl QW606 on Drawing No. UW102. All water lines shall have 48 inches minimum cover per the Town of Queen Creek Water Department Design Standards and Construction Manual.

 Contact Arizona 911 at least two full working days before you begin excavation Call 911 or click Arizona911.com	 <b>TOWN OF QUEEN CREEK</b>
	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS
 3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com	
WATER PLAN	
DESIGNED BY MH	CIP PROJ NO. A1405
DRAWN BY BE	
DRAWING NO. UW002	SHEET 57 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



\\us0310-pfs001\workgroup\1817\active\181711207\700\_CADD\Sheet\_Files\11207-UW003-WATER\_PLAN\_PLAN\_PROFILE\_03 - UW003.dwg, 10/3/2025 2:44:32 PM

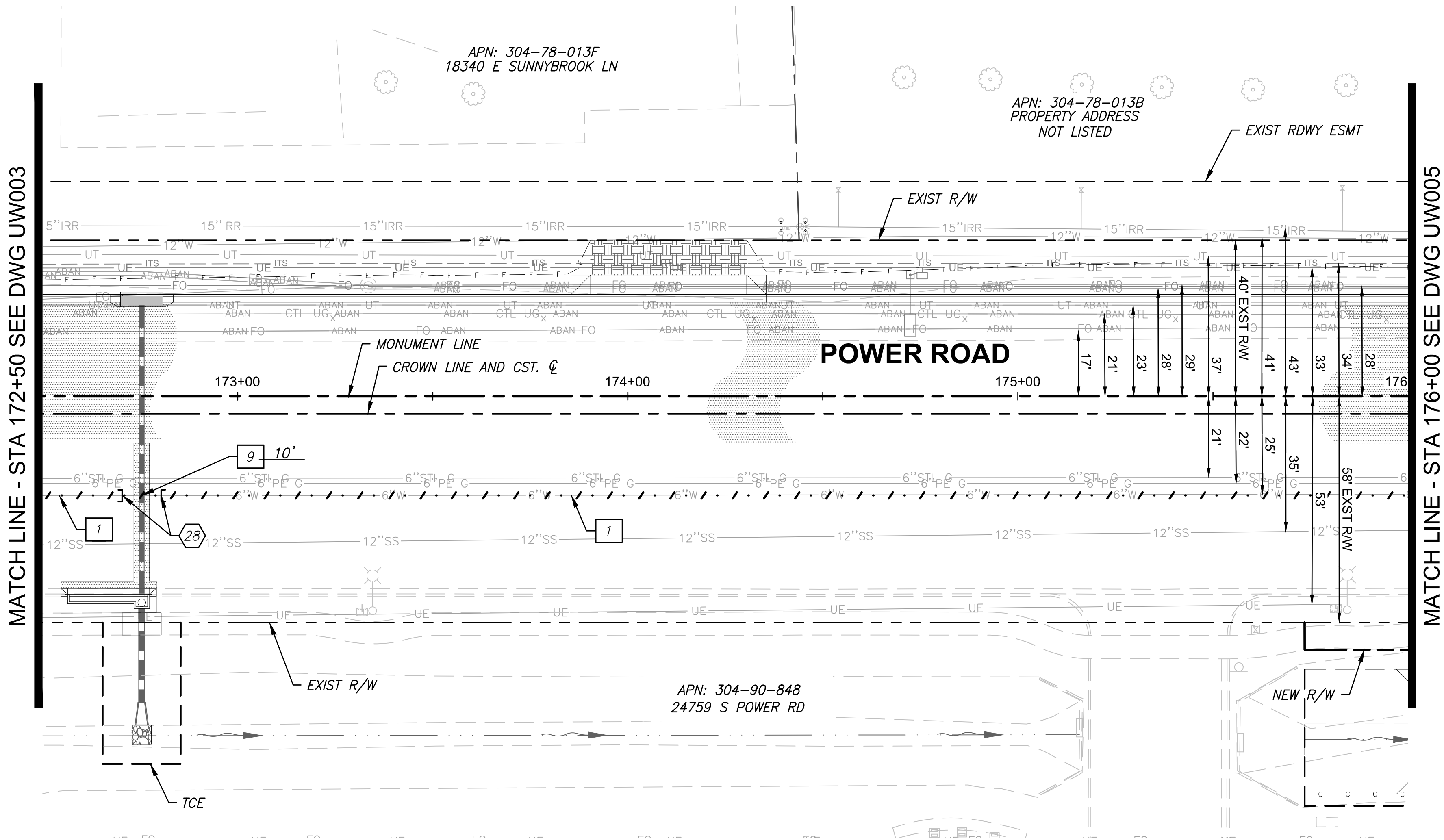


WATER CONSTRUCTION NOTES		QUANTITY
<div></div>		
REMOVAL NOTES		QUANTITY
1 Abandon Existing Waterline In Place to Limits Shown on the Plan		- NPI
<p>NOTES:</p> <p>For trench detail see TOQC Std Dtl QW606 on Drawing No. UW102. All water lines shall have 48 inches minimum cover per the Town of Queen Creek Water Department Design Standards and Construction Manual.</p>		
<div><div><p>Contact Arizona 811 at least two full working days before you begin excavation</p><p>Call 811 or click Arizona811.com</p></div><div><p>TOWN OF QUEEN CREEK</p></div></div>		
<div><div><p>17551 CHRISTOPHER E. EGGERS</p></div><div><p>POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS</p><div><p>3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com</p></div></div></div>		
WATER PLAN		
DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. UW003		SHEET 58 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



\\us0310-pjfs01\workgroup\1817\active\181711207\700\_CADD\Sheet\_Files\11207-UW004-WATER\_PLAN\_PROFILE\_04 - UW004.dwg, 10/3/2025 2:45:14 PM

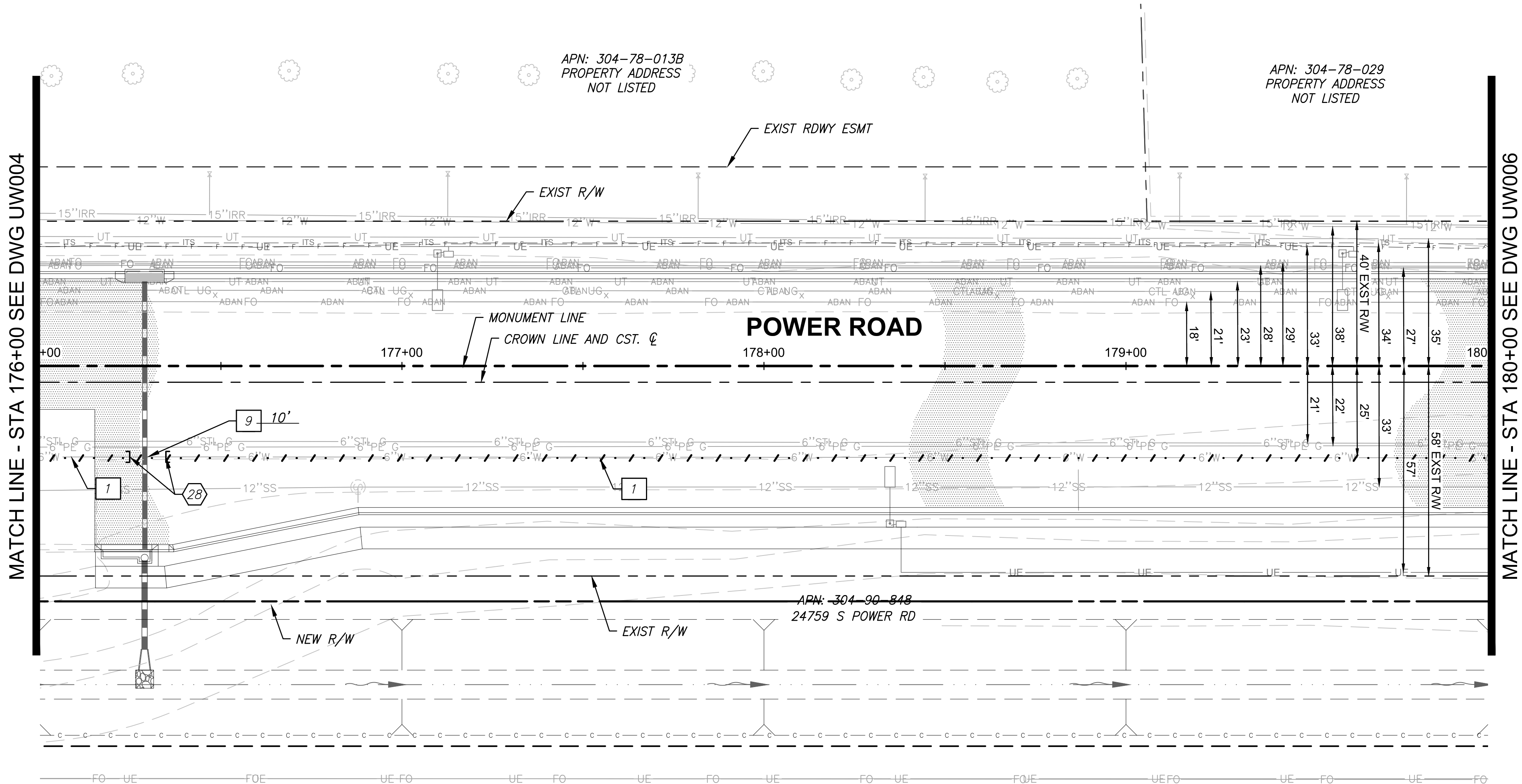


WATER CONSTRUCTION NOTES		QUANTITY
28	Install Cap	- NPI
REMOVAL NOTES		QUANTITY
1	Abandon Existing Waterline In Place to Limits Shown on the Plan	- NPI
9	Remove Existing 6" Waterline to Limits of New Line Construction	10 LF
<p>NOTES:</p> <p>For trench detail see TOQC Std Dtl QW606 on Drawing No. UW102. All water lines shall have 48 inches minimum cover per the Town of Queen Creek Water Department Design Standards and Construction Manual.</p>		
		<p>POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS</p> <p> <b>Stantec</b></p> <p>3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com</p>
WATER PLAN		
DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. UW004		SHEET 59 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



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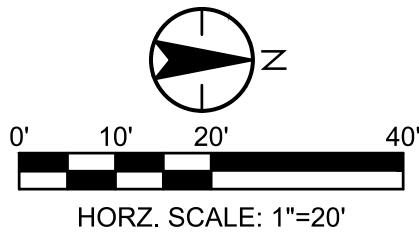


WATER CONSTRUCTION NOTES		QUANTITY
28	Install Cap	- NPI

REMOVAL NOTES		QUANTITY
1	Abandon Existing Waterline In Place to Limits Shown on the Plan	- NPI
9	Remove Existing 6" Waterline to Limits of New Line Construction	10 LF

NOTES:

For trench detail see TOQC Std Dtl QW606 on Drawing No. UW102. All water lines shall have 48 inches minimum cover per the Town of Queen Creek Water Department Design Standards and Construction Manual.



Contact Arizona 911 at least two full working days before you begin excavation

**ARIZONA 911**

Call 911 or click Arizona911.com

**TOWN OF QUEEN CREEK**

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS

3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.687.6100  
www.stantec.com

WATER PLAN		
DESIGNED BY	MH	CIP PROJ NO. A1405
DRAWN BY	BE	
DRAWING NO. UW005		SHEET 60 OF 133

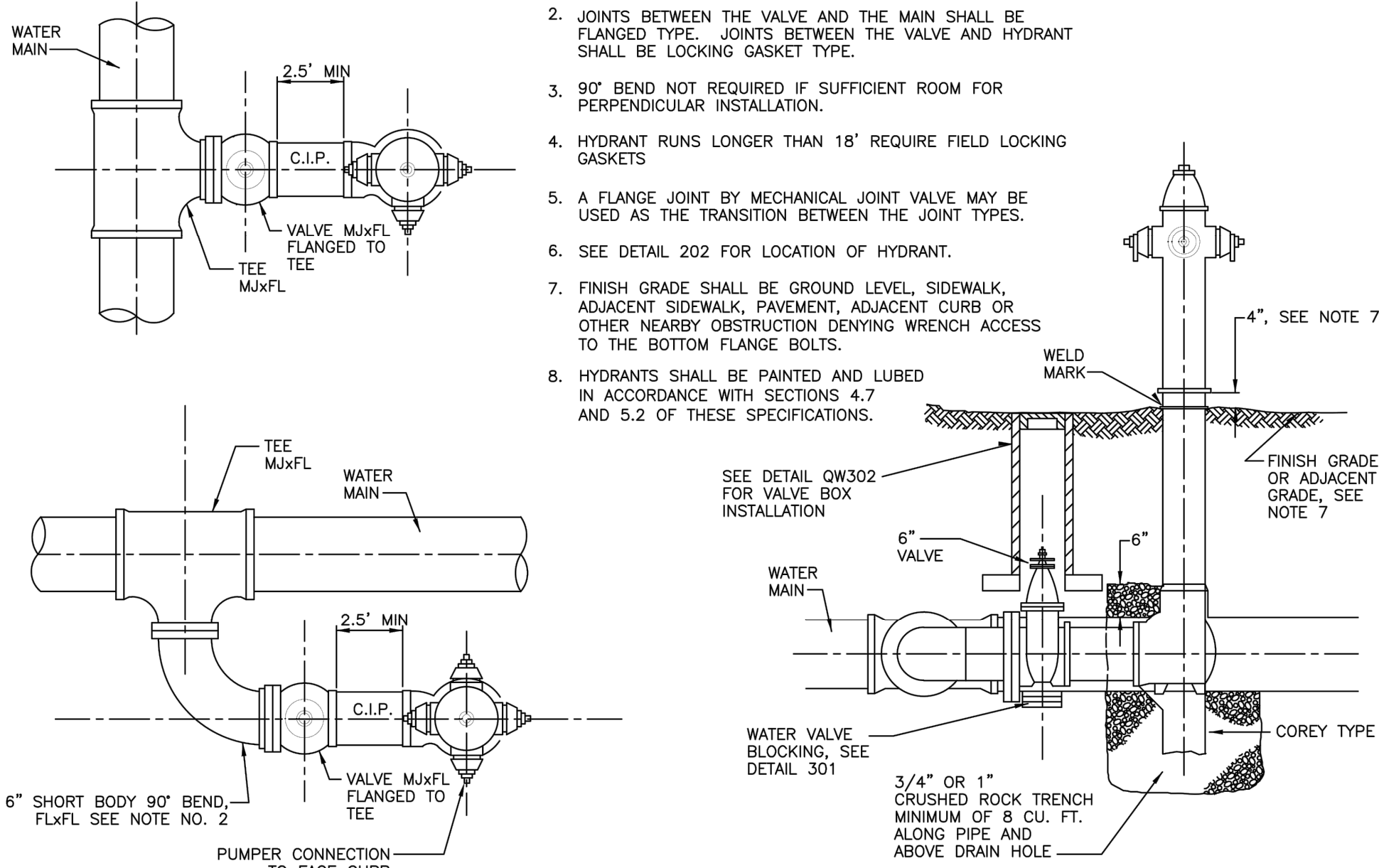
PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



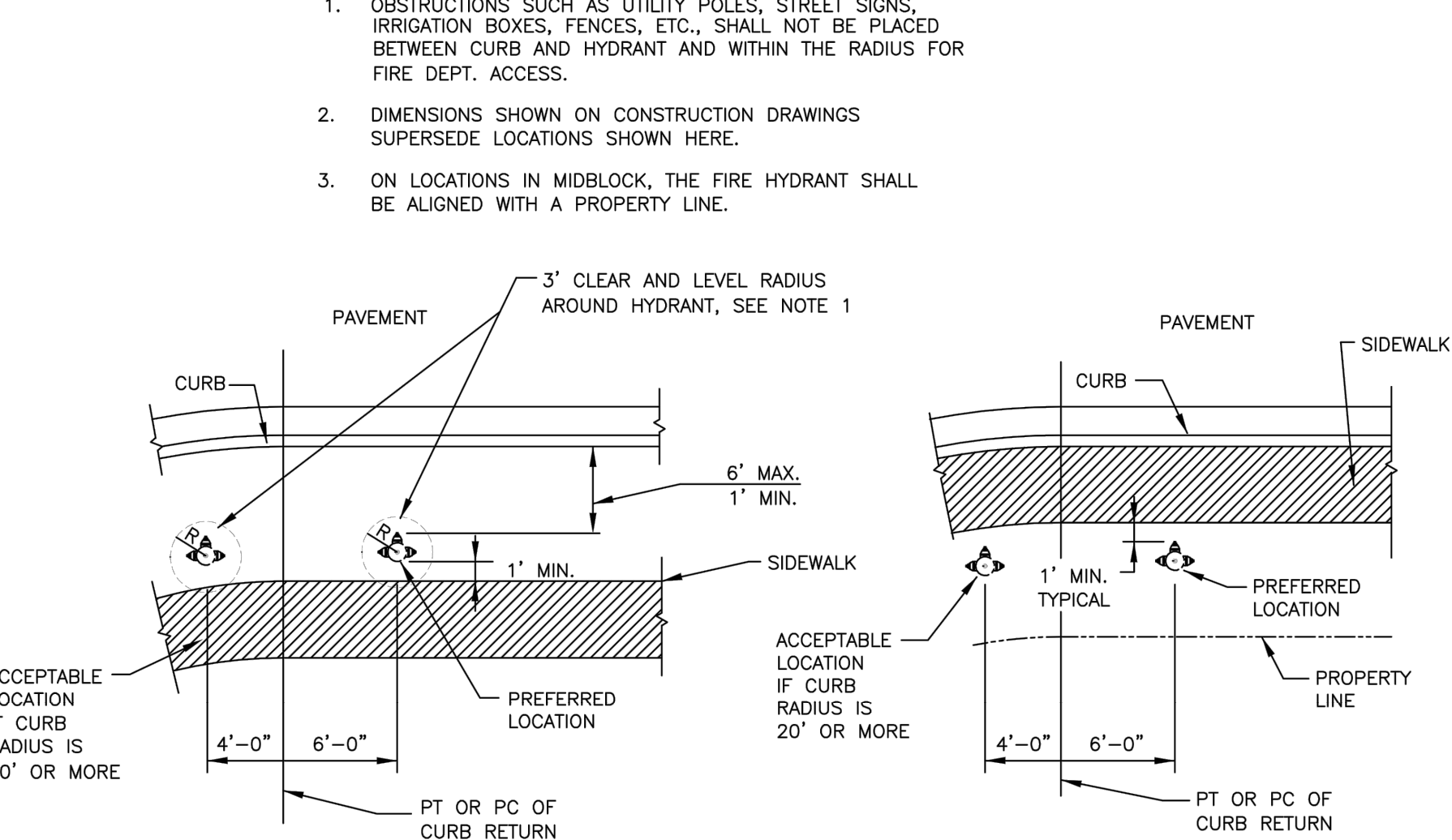




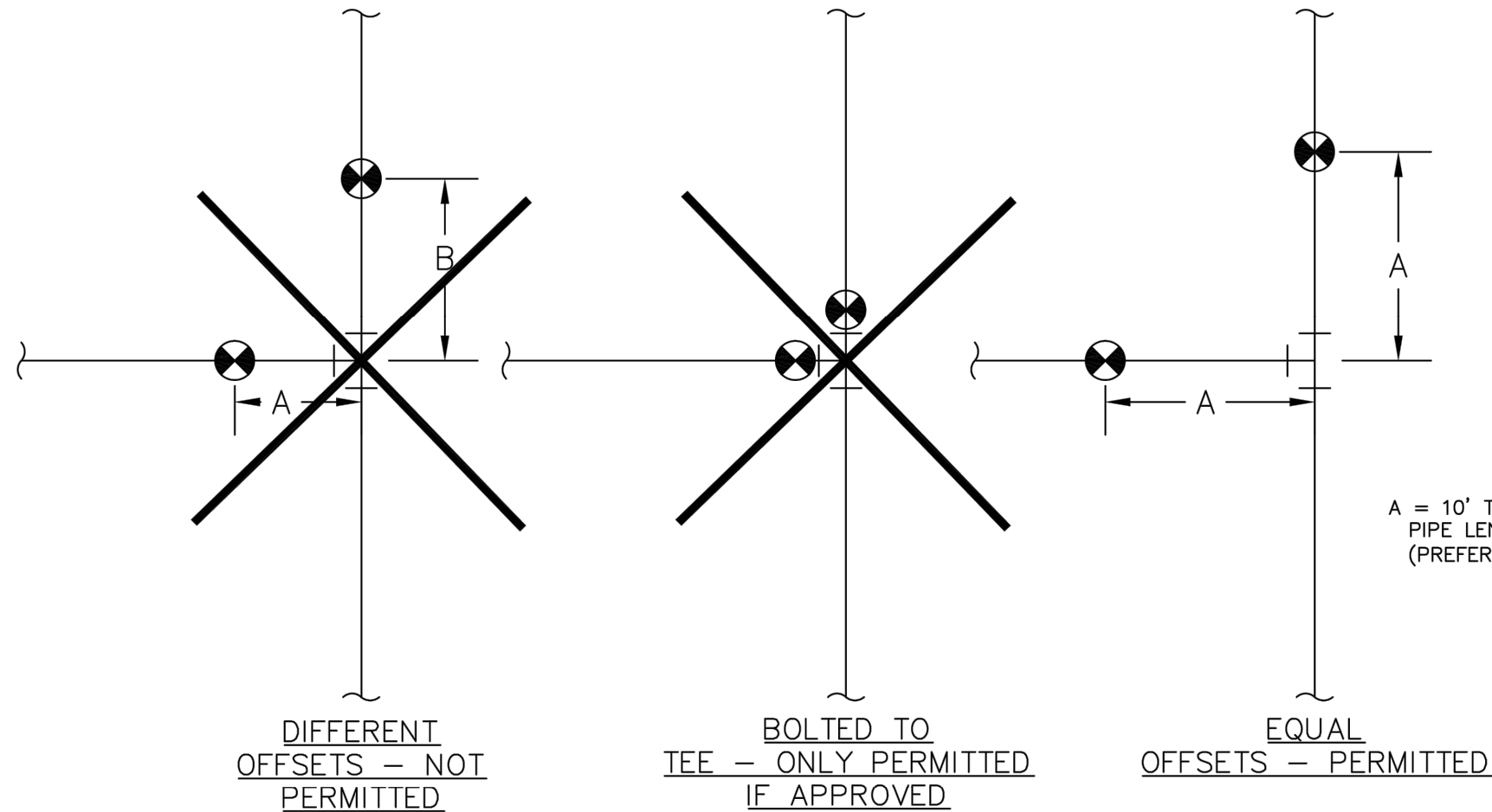
\\US0310-PPFS01\WORKGROUP\1817\Active\181711207\700\_CADD\Sheet\_Files\11207-UW101\_WATER\_DETAILS\_101.dwg, 10/3/2025 4:16:36 PM



**A** STD DET QW201 - FIRE HYDRANT INSTALLATION  
NOT TO SCALE



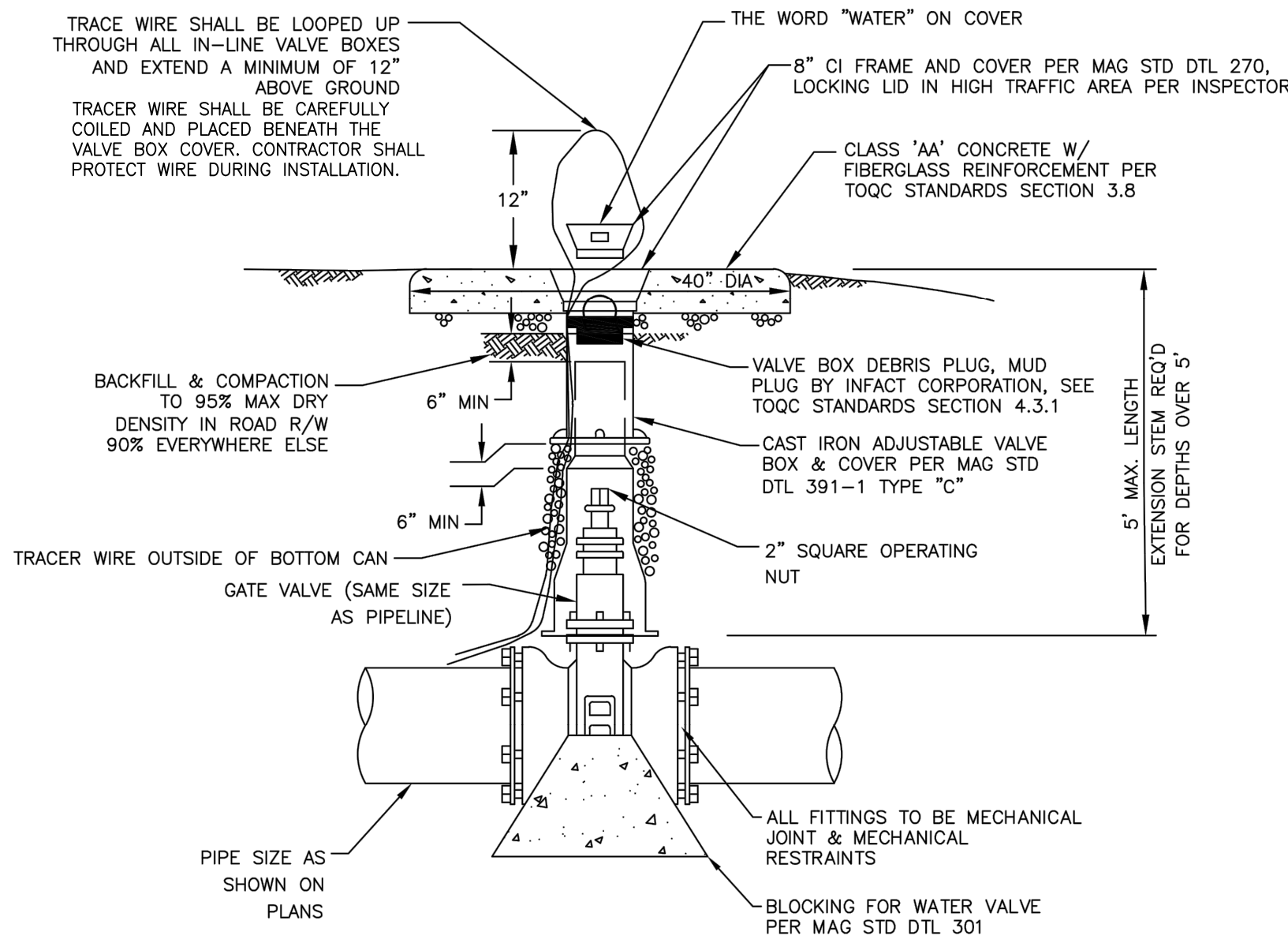
**B** STD DET QW202 - LOCATIONS FOR NEW FIRE HYDRANTS  
NOT TO SCALE



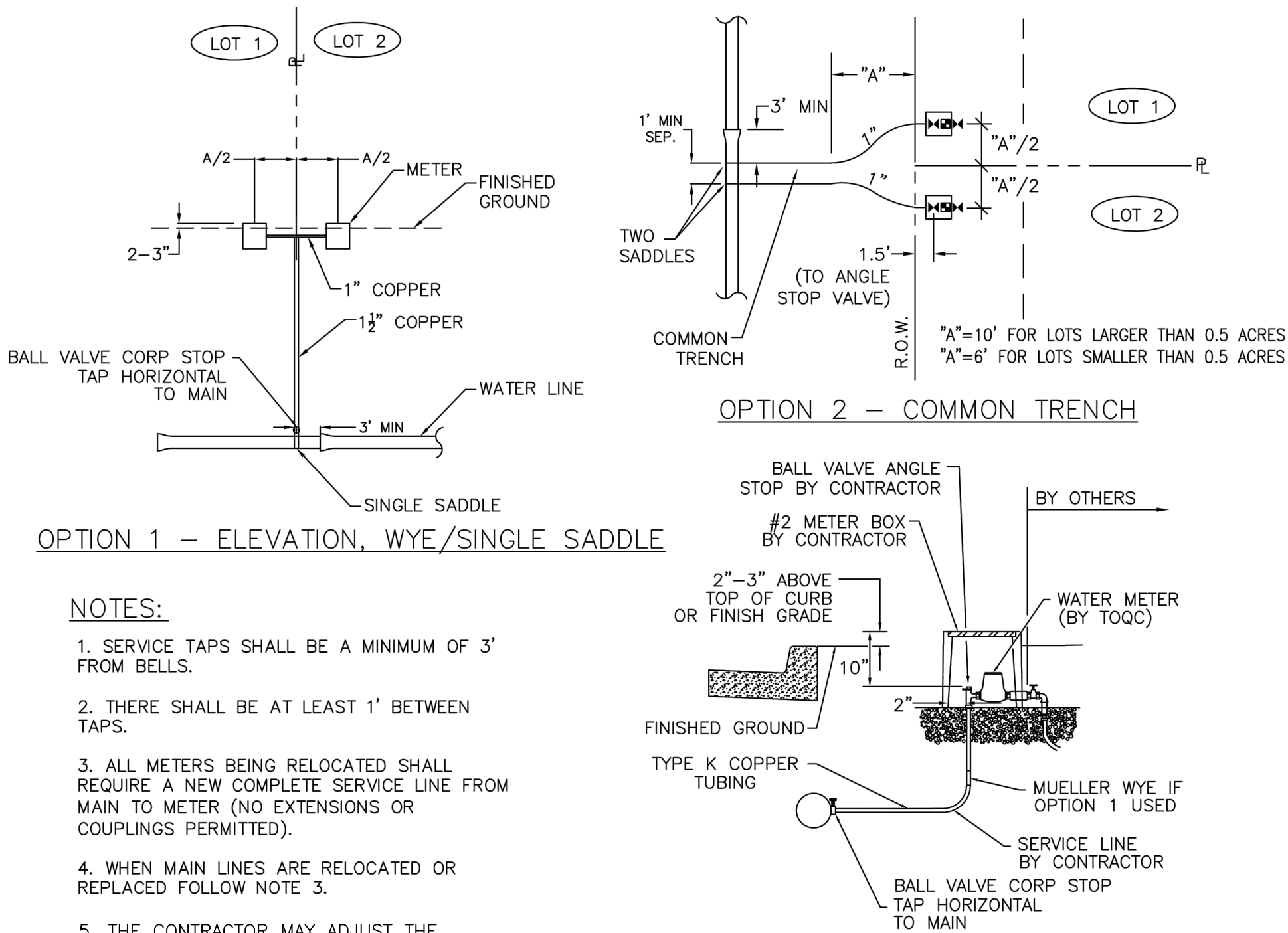
**C** STD DET QW301 - VALVE SPACING DETAIL  
NOT TO SCALE

NOTES:

1. SPACE VALVES AN EQUAL DISTANCE FROM COMMON FITTING. PREFERRED DISTANCE IS 10'-18' DEPENDING ON SURFACE FEATURES (CURBS, VALLEY GUTTERS, ETC.).
2. UNEQUAL SPACING OF VALVES REQUIRES APPROVAL BY THE WATER DIVISION.
3. ALL JOINTS AT VALVES AND TEES SHALL BE RESTRAINED APPROVED JOINT RESTRAINTS USING "STAR-GRIP" OR MEG-A-LUG JOINT RESTRAINT
4. A FULL LENGTH OF PIPE SHALL EXTEND AWAY FROM EACH VALVE AND SHALL BE RESTRAINED AT THE VALVE.



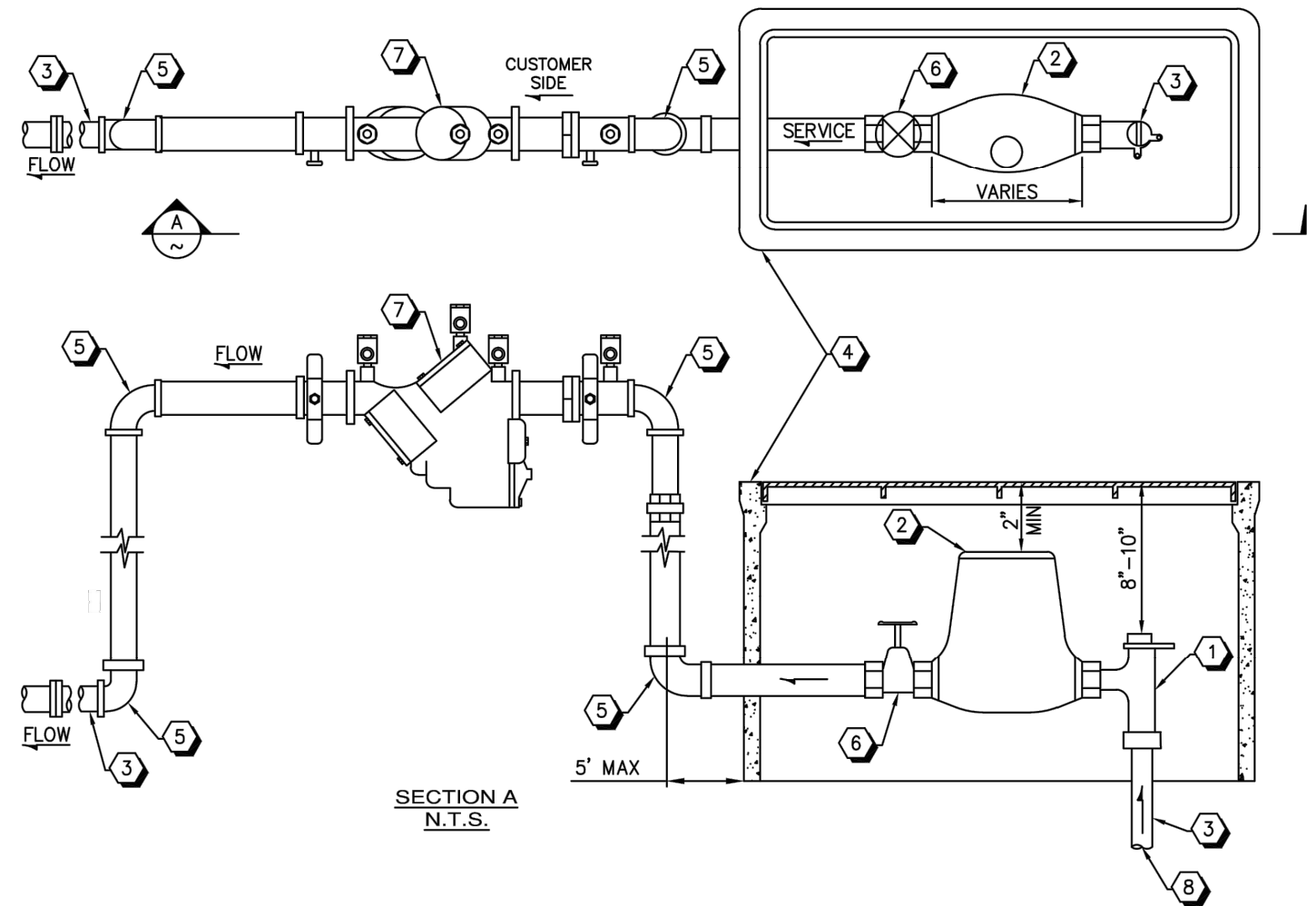
**D** STD DET QW302 - TYPICAL GATE VALVE  
NOT TO SCALE



NOTES:

1. SERVICE TAPS SHALL BE A MINIMUM OF 3' FROM BELLS.
2. THERE SHALL BE AT LEAST 1' BETWEEN TAPS.
3. ALL METERS BEING RELOCATED SHALL REQUIRE A NEW COMPLETE SERVICE LINE FROM MAIN TO METER (NO EXTENSIONS OR COUPLINGS PERMITTED).
4. WHEN MAIN LINES ARE RELOCATED OR REPLACED FOLLOW NOTE 3.
5. THE CONTRACTOR MAY ADJUST THE COMMON TRENCH LOCATION BASED ON FIELD CONDITIONS AND UTILITY CONFLICTS. REQUIRED ADJUSTMENTS SHALL BE IDENTIFIED AND REVIEWED WITH THE TOWN'S PROJECT MANAGER.

**E** STD DET QW403 - WATER METER LOCATION  
NOT TO SCALE







**F** STD DET QW404 - 2" AND SMALLER WATER METERS  
NOT TO SCALE

NOTES

1. TOP OF WATER METER SHALL BE A MINIMUM OF 2" BELOW UNDERSIDE OF COVER.
2. METERS SHALL NOT BE INSTALLED IN DRIVEWAYS OR IN A LOCATION INACCESSIBLE FOR MAINTENANCE.
3. ALL METERS SHALL BE SET BY THE TOQC WATER DIVISION.

LIST OF MATERIALS

- 1 ANGLE METER VALVE (LOCKING TYPE) SIZE TO MATCH SERVICE- TOQC SIDE OF INLET SERVICE LINE.
- 2 TOQC WILL PROVIDE AND INSTALL WATER METER. SEE NOTE 3 ABOVE.
- 3 TYPE K COPPER
- 4 METER BOX AND COVER PER DCSM TABLE 4.6.2
- 5 2" COPPER 90° BEND SOLDERED
- 6 BALL VALVE
- 7 REDUCED PRESSURE BACKFLOW PREVENTION DEVICE PER TOQC STD DTL QW407
- 8 WATER SERVICE PER QW403-1

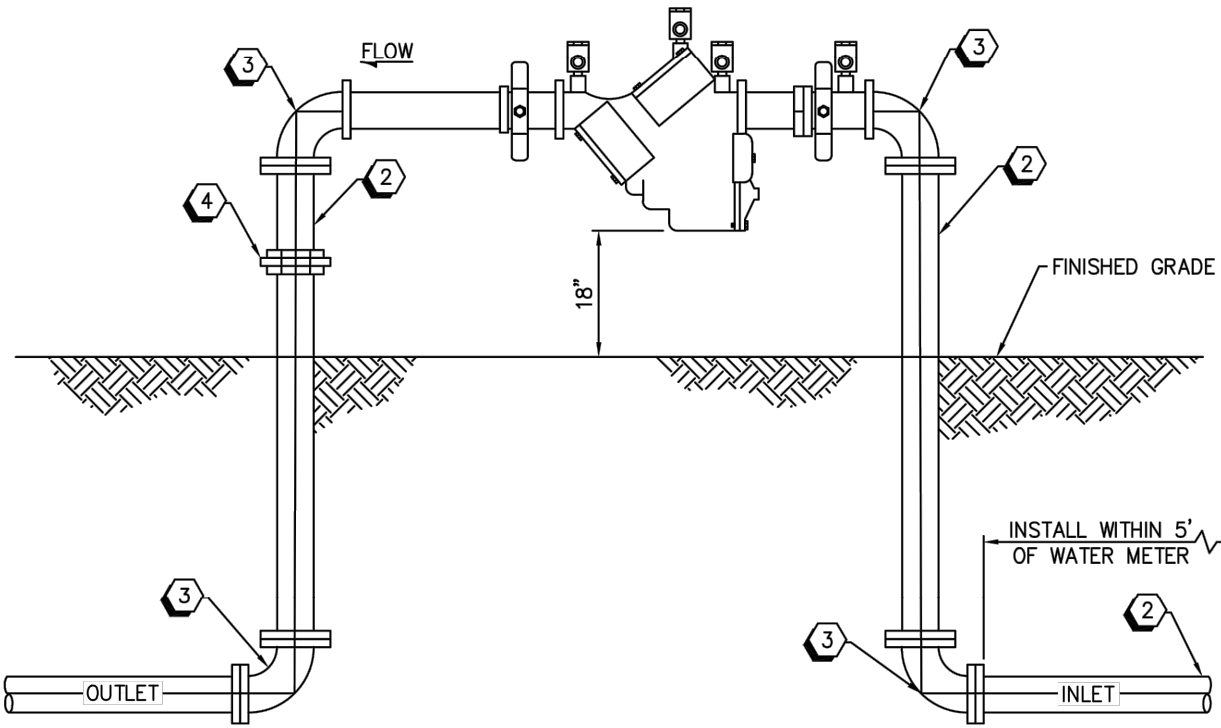
 Contact Arizona 811 at least two full working days before you begin excavation Call 611 or click Arizona811.com	 <b>TOWN OF QUEEN CREEK</b>
	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS
 3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com	
WATER DETAILS	
DESIGNED BY: MH	CIP PROJ NO. A1405
DRAWN BY: BE	
DRAWING NO. UW101	SHEET 62 OF 297

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025



LIST OF MATERIALS

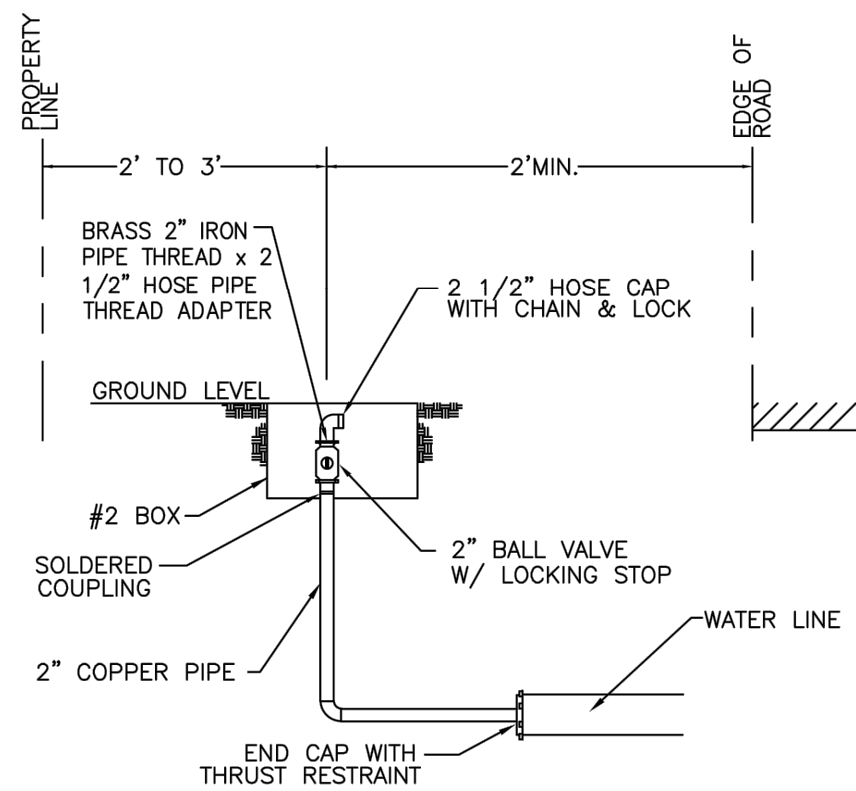
- 1 APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY.
- 2 TYPE "L" COPPER PIPE 3/4" THRU 2"
- 3 90° ELBOW COPPER 3/4" THRU 2"
- 4 PIPE UNION, BRASS OR COPPER



REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY

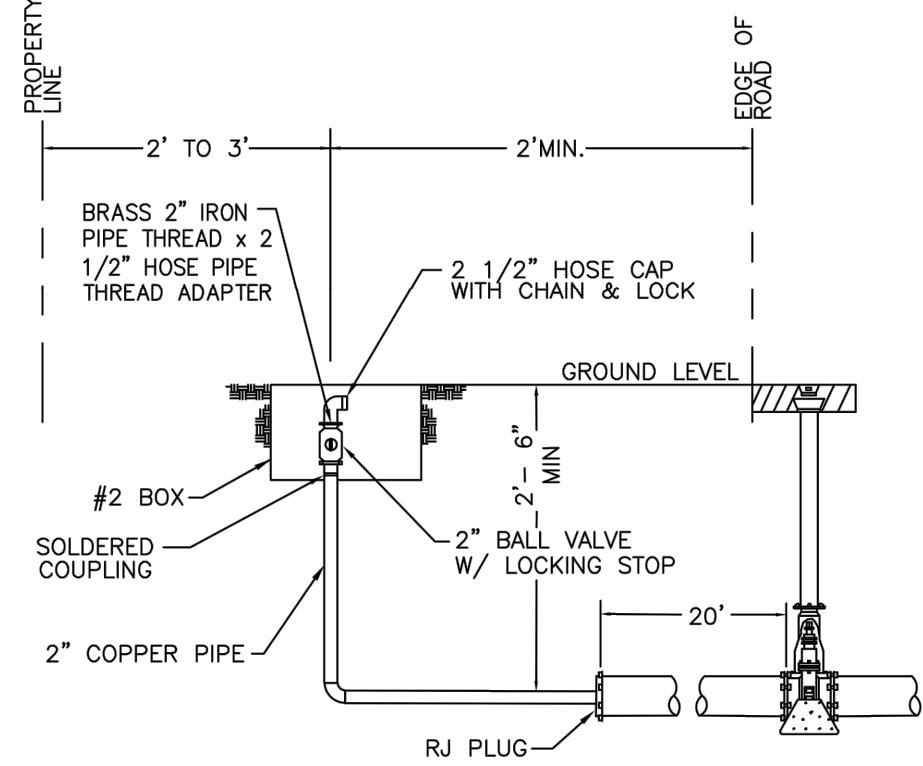
NOTES

1. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED AND APPROVED BY A CERTIFIED TECHNICIAN DESIGNATED IN THE CURRENT TOQC LIST OF APPROVED INSPECTORS PRIOR TO THE REQUEST FOR FINAL INSPECTION.
2. ALL COPPER PIPE JOINTS SHALL BE SOLDERED. THE SOLDERED ALLOY SHALL COMPLY WITH ASTM B32 HAVING A SILVER CONTENT OF NOT LESS THAN 3.4% INTENDED FOR JOINING COPPER PIPES FOR POTABLE WATER SYSTEMS (GRADES SN 94, SN 95, OR SN 96). THE FLUX SHALL BE TYPE DA FOR GENERAL SOLDERING ON COPPER.
3. INSTALL BRASS PIPE PLUG IN EACH TESTCOCK ON THE ASSEMBLY.
4. FINISHED GRADE UNDER THE BACKFLOW PREVENTER SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
5. PROVIDE 18-INCH MINIMUM CLEARANCE BETWEEN BACKFLOW PREVENTION ASSEMBLY AND PERMANENT STRUCTURES.
6. FOR OUTSIDE INSTALLATIONS, THE BACKFLOW PREVENTER AND COPPER PIPE SHALL BE PAINTED DARK GREEN (ALL EXCEPT THE NAME PLATE).
7. BACKFLOW ASSEMBLIES INSTALLED ON A CONCRETE PAD WILL HAVE THE COPPER PIPE WRAPPED OR SLEEVED WHERE IT PENETRATES THE CONCRETE.
8. SCREENING SHALL BE AS REQUIRED BY TOQC.

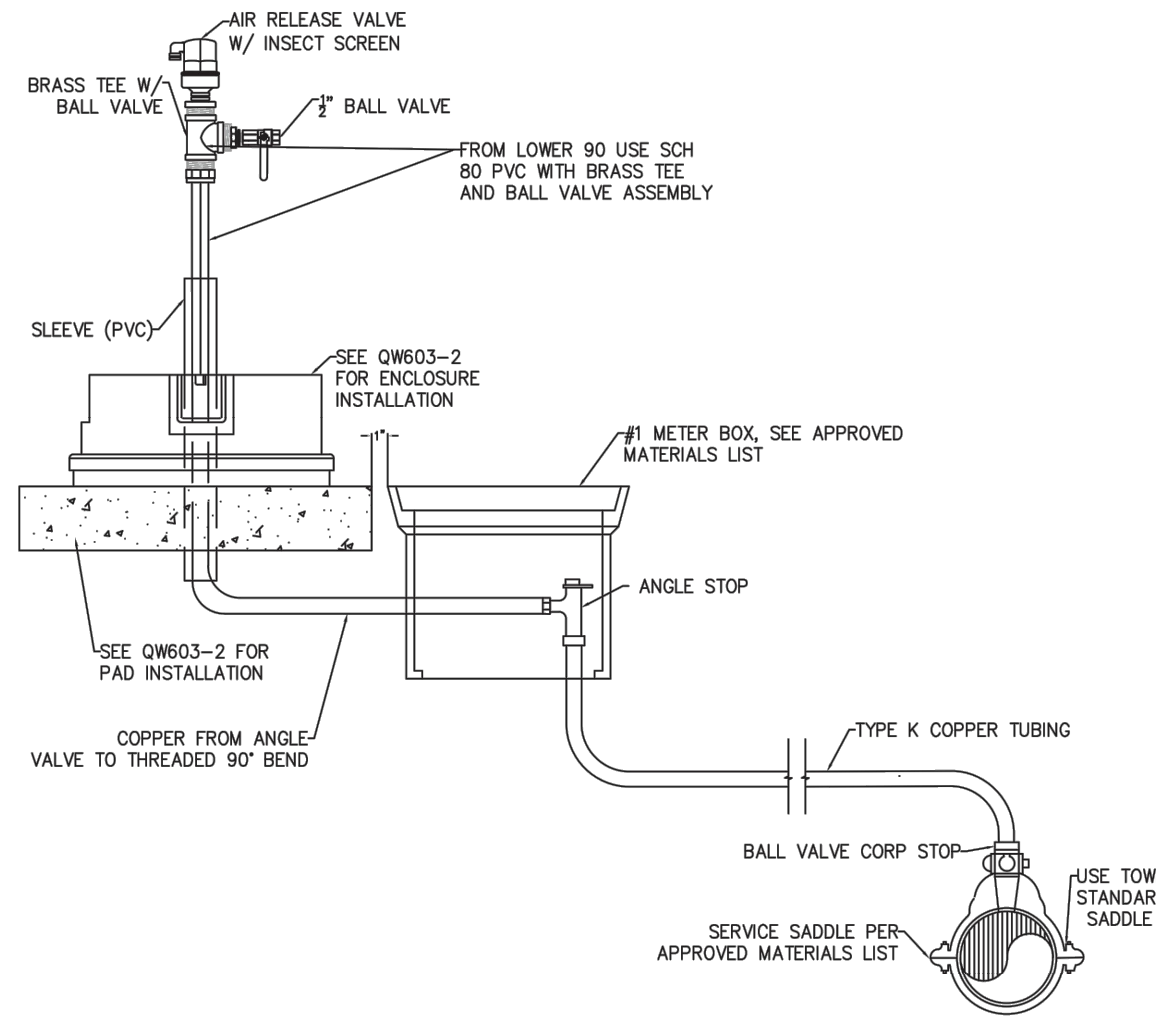


NOTE: THE CONTRACTOR SHALL INSTALL METER BOX A MINIMUM OF 2' FROM THE EDGE OF THE ROADWAY.

TYPE A BLOW-OFF ASSEMBLY  
FOR PERMANENT DEAD-END LINES



TYPE B BLOW-OFF ASSEMBLY  
FOR TEMPORARY DEAD-END LINES

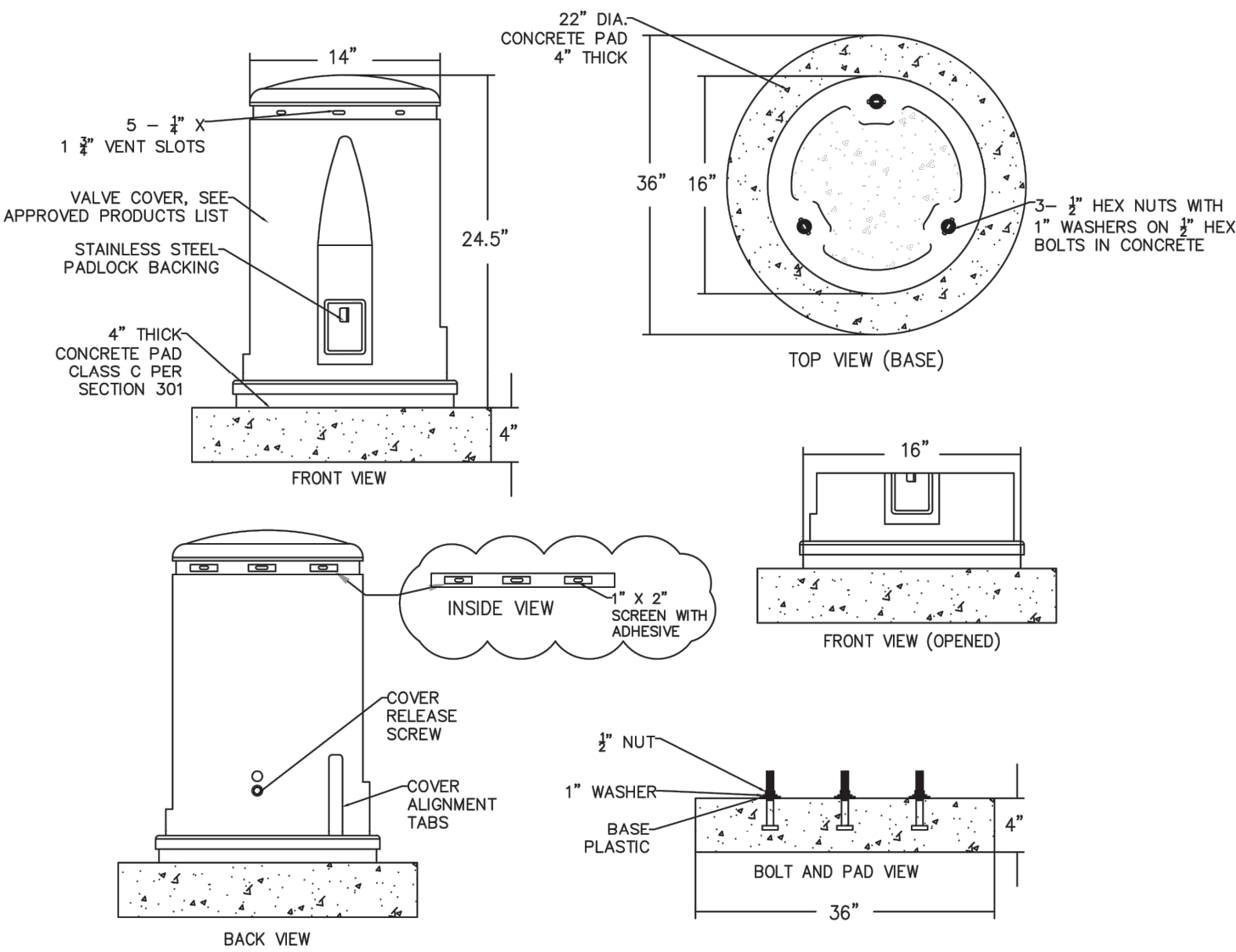


\*NOTE:

1. ARV, SERVICE TUBING, VALVES, FITTINGS, SLEEVE, AND APPURTENANCES SHALL MATCH SIZES. SIZES PER PLAN.
2. AIR RELEASES SHALL BE SET IN A FLAT STRIP OF LAND WHICH PARALLELS THE CURB, SIDEWALK OR WATERMAIN. SET THE AIR RELEASE 8" BACK OF CURB IN STREETS WITH CURBS. SET THE AIR RELEASE 3' FROM PROPERTY LINE IN STREETS WITHOUT CURBS, OR PER PLAN LOCATION.
3. 90° COMPRESSION FITTINGS MAY BE INSTALLED TO ACHIEVE POSSIBLE SLOPE.
4. ALL AIR RELEASE VALVE INSTALLATIONS REQUIRE A TRACER WIRE.
5. AIR RELEASE VALVE SHALL BE PER APPROVED MATERIAL LIST.
6. ALL SERVICE LINES SHALL BE INSTALLED WITH A POSITIVE SLOPE TO ARV.

STD DET QW603 - AIR AND VACUUM RELEASE VALVE

NOT TO SCALE



\*NOTE:

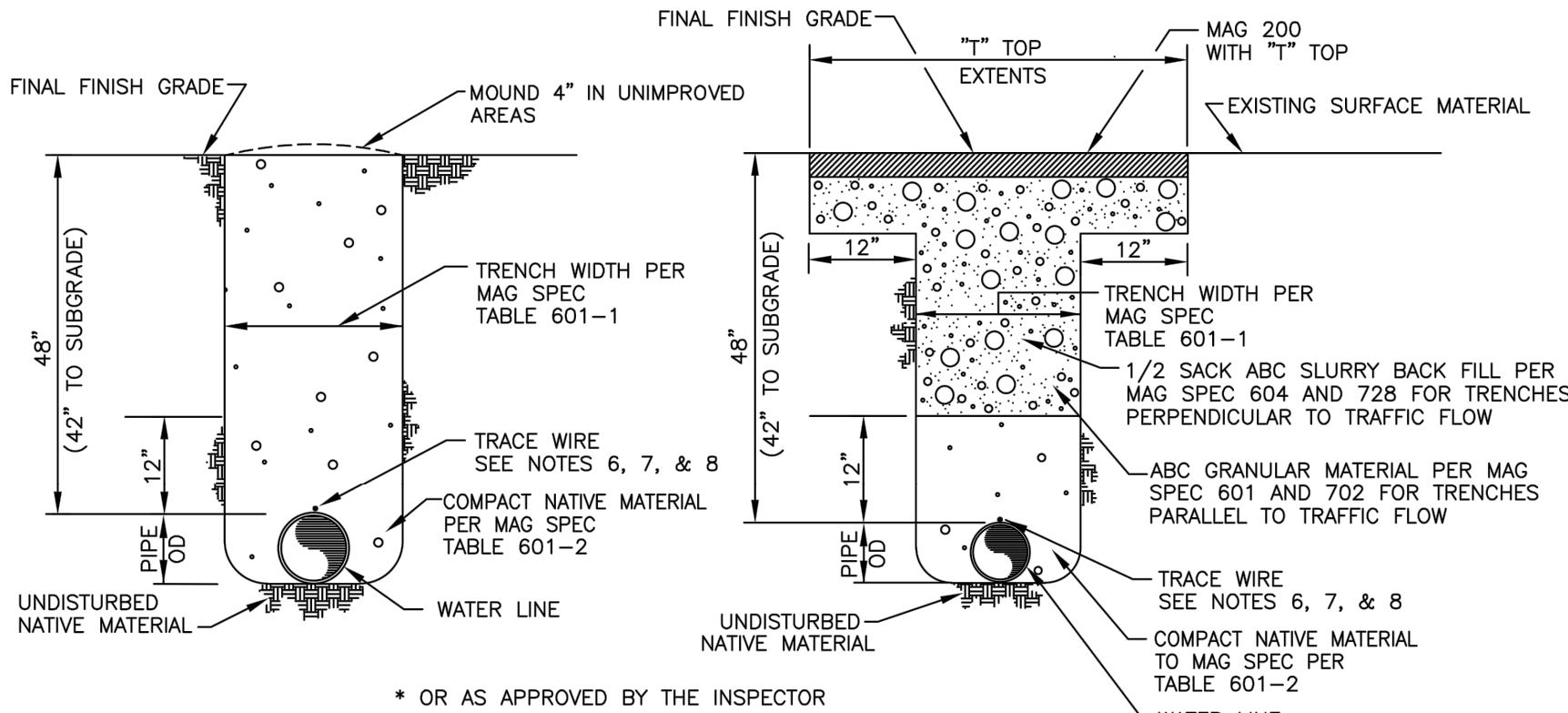
1. CONCRETE PERIMETER EDGE SHALL HAVE A 1/2" CHAMFER.
2. BOLLARD POSTS, MAG STANDARD DETAIL 140, MAY BE REQUIRED, PER TOWN INSPECTOR.
3. PIPELINE PRODUCTS POLYETHYLENE VALVE ENCLOSURE PER APPROVED MATERIALS LIST.

STD DET QW603 - AIR AND VACUUM RELEASE VALVE

NOT TO SCALE

NOTES:

1. WHENEVER ROCK OR UNSUITABLE BEDDING MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, OVER EXCAVATION SHALL BE REQUIRED TO A MIN OF 6" DEPTH BELOW PIPE AND REPLACED WITH NATIVE MATERIAL.
2. MINIMUM COVER SHALL BE MEASURED FROM THE EXISTING OR PROPOSED GRADE, OR FROM NATURAL GROUND, WHICHEVER IS DEEPER.
3. CONTRACTOR SHALL CONFORM TO ALL OSHA STANDARDS AND REGULATIONS FOR TRENCH EXCAVATION AND PIPE INSTALLATION.
4. PVC PIPE BEDDING TYPE SHALL BE 1" MINUS GRANULAR MATERIAL.
5. DUCTILE IRON PIPE BEDDING SHALL BE 2" MINUS GRANULAR MATERIAL.
6. TRACER WIRE SHALL BE REQUIRED AT "OFF-SITE" INSTALLATIONS, IN UNDEVELOPED AND/OR CHANGING AREAS OR AS SPECIFICALLY REQUIRED BY THE WATER DIVISION.
7. SPLICES FOR COPPER WIRE SHALL BE MADE USING SIZE 10 & 12 BUTT CONNECTORS TO SPLICE NUMBER 12 BLUE LOCATOR WIRE.
8. BLUE INSULATED COPPER WIRE (NUMBER 12 AWG) REQUIRED DIRECTLY ON TOP OF MAIN WATER LINE & TAPED EVERY JOINT WITH DUCT TAPE.



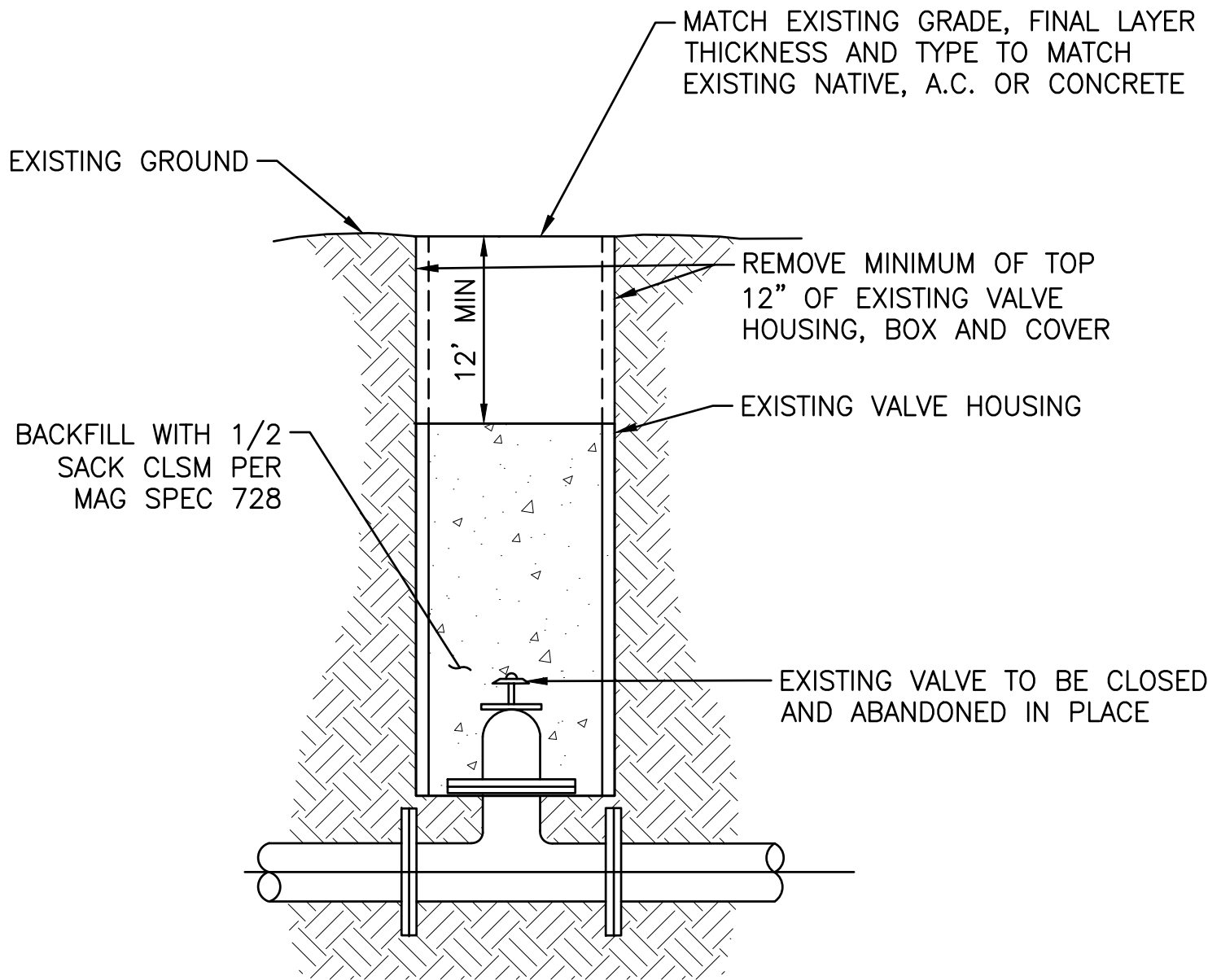
\* OR AS APPROVED BY THE INSPECTOR

WATER TRENCH  
(IN UNIMPROVED AREAS)

WATER TRENCH  
(IN PAVED AREAS)

STD DET QW606 - TYPICAL WATERLINE TRENCH

NOT TO SCALE




VALVE ABANDONMENT


NOT TO SCALE

Contact Arizona 911 at least two full working days before you begin excavation <b>ARIZONA</b> Call 611 or click Arizona911.com	 <b>TOWN OF QUEEN CREEK</b>
 17551 CHRISTOPHER E. EGERS	POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY AND DRAINAGE IMPROVEMENTS  3133 West Frye Road Chandler, Arizona 85226 Tel. 480.687.6100 www.stantec.com
WATER DETAILS	
DESIGNED BY MH	CIP PROJ NO. A1405
DRAWN BY BE	
DRAWING NO. UW102	SHEET 63 OF 133







W9-101L  
EXISTING




R2-1(35)  
EXISTING



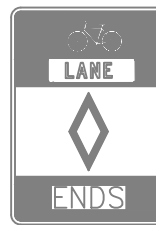
S4-4P  
EXISTING




R3-5fP  
30" X 12"




R3-5R  
30" X 36"




RX-X  
EXISTING



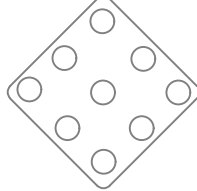
RX-X  
EXISTING




S1-1  
36" X 36"




S4-3P  
EXISTING




OM1-3  
EXISTING




OBJECT MARKER  
EXISTING




R2-1(45)  
30" X 36"




R3-17  
30" X 24"




R3-9B  
24" X 36"




R10-6  
24" X 36"




M-2  
EXISTING




OM3-R  
EXISTING



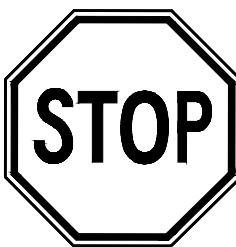
OM3-L  
EXISTING




R8-3  
30" X 30"




R4-7  
EXISTING




R1-1  
36" X 36"




R5-1  
EXISTING




R4-4  
EXISTING



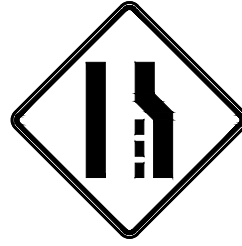
D3-1  
48" X 12"



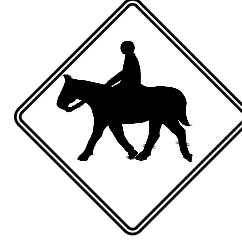
D3-1  
45" X 12"




RX-X  
EXISTING



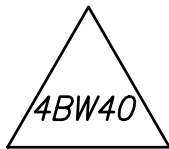
W4-2R  
36" X 36"



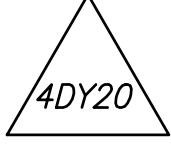
W11-7  
36" X 36"



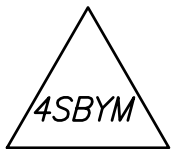
RX-X2  
(CUSTOM)  
36" X 36"



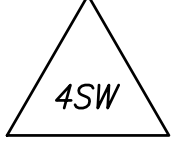
4" BROKEN WHITE LINE WITH A  
10' LINE SEGMENT AND A 30' GAP WITH  
TYPE 'G' RPM'S @ 40' SPACING



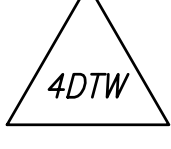
4" SOLID DOUBLE YELLOW LINE  
WITH TYPE 'D' RPM'S @ 20' SPACING



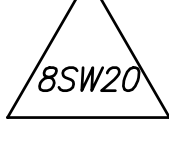
4" DOUBLE YELLOW LINE, ONE SOLID, ONE  
BROKEN WITH A 10' LINE SEGMENT AND A 30'  
GAP WITH TYPE 'H' RPMS @ 20' SPACING (SOLID),  
TYPE 'D' RPMS @ 40' SPACING (BROKEN)



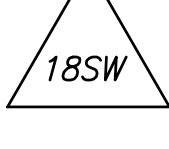
4" SOLID WHITE LINE



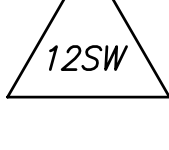
4" DASHED WHITE LINE WITH A 2' LINE  
SEGMENT AND A 6' GAP




8" SOLID WHITE LINE WITH TYPE 'G' RPM'S  
@ 20' SPACING



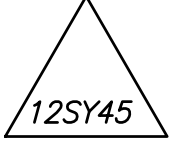
18" SOLID WHITE LINE




12" SOLID WHITE LINE




24" SOLID WHITE LINE




12" SOLID WHITE LINE @ 30' @ 45°  
(TYP) ANGLE, UNLESS OTHERWISE  
NOTED




12" SOLID WHITE LINE @ 30' @ 45°  
(TYP) ANGLE, UNLESS OTHERWISE  
NOTED




BIKE LANE SYMBOL & ARROW PER TOWN OF QUEEN  
CREEK DETAIL R-131 (MODIFIED AS SHOWN)




12" SOLID WHITE LEFT & RIGHT TURN ARROWS PER  
ADOT STANDARD DETAIL M-10




12" SOLID WHITE LEFT THRU ARROWS PER ADOT  
STANDARD DETAIL M-10

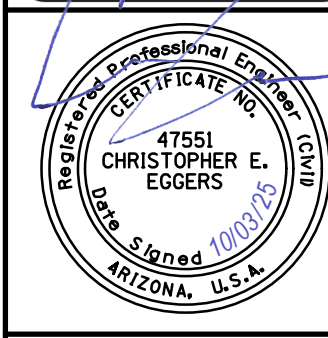


SCHOOL PAVEMENT MARKING PER ADOT STANDARD  
DETAIL M-6




24" SOLID WHITE MERGING RIGHT TO LEFT ARROW  
PER ADOT STANDARD DETAIL M-10

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




Professional Engineer  
No. 47551  
CHRISTOPHER E. EGERS  
Signed 10/03/25  
ARIZONA, U.S.A.



TOWN OF  
QUEEN CREEK

POWER ROAD:  
RIGGS ROAD TO CHANDLER HEIGHTS ROAD  
ROADWAY AND DRAINAGE IMPROVEMENTS



3133 West Frye Road  
Chandler, Arizona 85226  
Tel. 480.487.6100  
www.stantec.com

SIGNING AND STRIPING LEGEND

DESIGNED BY MH

DRAWN BY BE

CIP PROJ NO. A1405

DRAWING NO. SG001

SHEET 64 OF 133

PROJECT NO. A1405, POWER ROAD: RIGGS ROAD TO CHANDLER HEIGHTS ROAD ROADWAY & DRAINAGE IMPROVEMENTS SEALED SUBMITTAL 10/03/2025