

COLORADO'S POWER PATHWAY 345-KV TRANSMISSION LINE
LOCATION AND EXTENT

TOWNSHIP 5S R63W SECTIONS 7, 18, 19, 30-32; TOWNSHIP 5S R64W SECTIONS 1-6, 12; TOWNSHIP 5S R65W SECTIONS 1-7, 6TH
PRINCIPAL MERIDIAN, COUNTY OF ARAPAHOE, STATE OF COLORADO

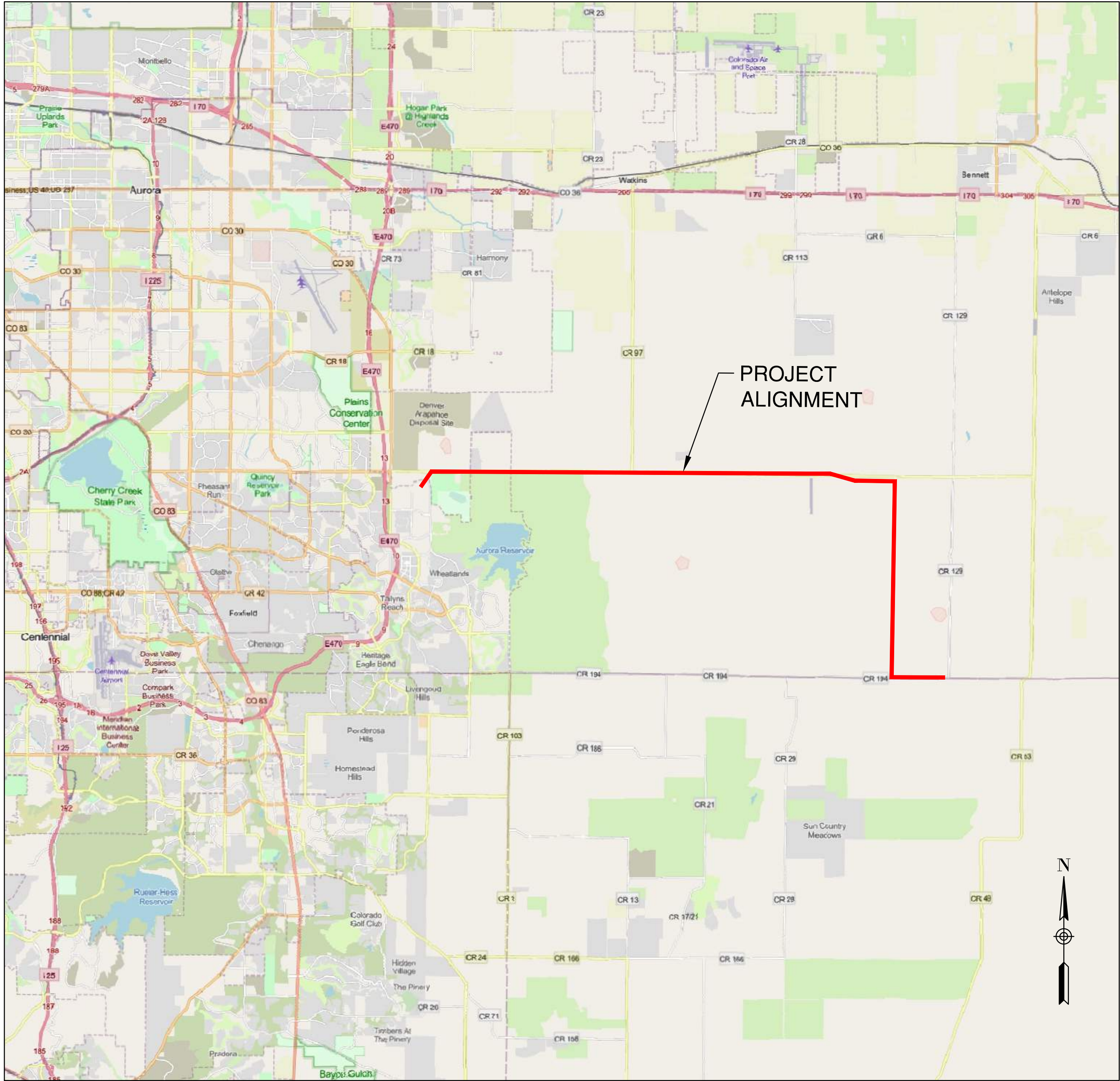
CONTACT INFORMATION

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VICINITY MAP
SCALE: 1" = 20,000'

LEGAL DESCRIPTION

PORTIONS OF TOWNSHIP 5 SOUTH, RANGE 63 WEST, SECTIONS 7, 18, 19, 30 – 32; TOWNSHIP 5 SOUTH, RANGE 64 WEST, SECTIONS 1 – 6, 12; TOWNSHIP 5 SOUTH, RANGE 65 WEST, SECTIONS 1 - 7, 6TH PRINCIPAL MERIDIAN, COUNTY OF ARAPAHOE, STATE OF COLORADO

PLANNING COMMISSION APPROVAL
APPROVED BY THE ARAPAHOE COUNTY PLANNING COMMISSION ON THIS ____
DAY OF _____, A.D., 20____.

CHAIR: _____

CERTIFICATE OF OWNERSHIP
I, _____, HEREBY AFFIRM THAT I AM THE OWNER OR
AUTHORIZED
AGENT OF ALL INDIVIDUALS HAVING OWNERSHIP INTEREST IN THE PROPERTY
DESCRIBED HEREIN, KNOWN AS _____.

OWNER OF RECORD OR AUTHORIZED AGENT

STATE OF _____)
)S.S.
COUNTY OF _____)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS
____ DAY OF _____, A.D., 20____ BY
_____.

AS _____ OF _____ AN AUTHORIZED SIGNATORY.

BY _____
NOTARY PUBLIC

WITNESS MY HAND AND SEAL

MY COMMISSION EXPIRES _____

NOTARY NUMBER: _____

NOTES:

1. TOPOGRAPHIC INFORMATION SHOWN IS IN NAVD88 DATUM AND IS FROM THE PUBLICLY AVAILABLE USGS DATABASE.
2. SOURCE DATA FOR ALL FLOODPLAINS SHOWN IS FEMA.
3. THE BEICHE LAYDOWN YARD WAS REVIEWED THROUGH A TEMPORARY USE PERMIT AND THE APPLICANT WILL NEED TO ADHERE TO THE CONDITIONS OF APPROVAL SET FORTH IN THIS APPLICATION.
4. THE HARVEST MILE SUBSTATION WAS REVIEWED AND APPROVED UNDER ASI16-004 AND L16-006. THE SITE PLAN IS INCLUDED IN THE LOCATION AND EXTENT PLAN SET AS A REFERENCE.

TETRA TECH

ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO
CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY

COVER SHEET

PROJ: 194-1163-0039
DESN: CAN
DRWN: CAN
CHKD: SM

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STANDARD NOTES

THE OWNER(S), DEVELOPER(S) AND/OR SUBDIVIDER(S) OF THE LOCATION AND EXTENT KNOWN AS COLORADO POWER PATHWAY 345-KV TRANSMISSION LINE, THEIR RESPECTIVE SUCCESSORS, HEIRS AND/OR ASSIGNS AGREE TO THE FOLLOWING NOTES:

STREET MAINTENANCE

IT IS MUTUALLY UNDERSTOOD AND AGREED THAT THE DEDICATED ROADWAYS SHOWN ON THIS PLAT/PLAN WILL NOT BE MAINTAINED BY THE COUNTY UNTIL AND UNLESS THE STREETS ARE CONSTRUCTED IN ACCORDANCE WITH THE SUBDIVISION REGULATIONS IN EFFECT AT THE DATE CONSTRUCTION PLANS ARE APPROVED, AND PROVIDED CONSTRUCTION OF SAID ROADWAYS IS STARTED WITHIN ONE YEAR OF THE CONSTRUCTION PLAN APPROVAL. THE OWNERS, DEVELOPERS AND/OR SUBDIVIDERS, THEIR SUCCESSORS AND/OR ASSIGNS IN INTEREST, SHALL BE RESPONSIBLE FOR STREET MAINTENANCE UNTIL SUCH TIME AS THE COUNTY ACCEPTS THE RESPONSIBILITY FOR MAINTENANCE AS STATED ABOVE.

DRAINAGE MAINTENANCE

THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL DRAINAGE FACILITIES INSTALLED PURSUANT TO THE SUBDIVISION AGREEMENT. REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO MAINTAINING THE SPECIFIED STORM WATER DETENTION/ RETENTION VOLUMES, MAINTAINING OUTLET STRUCTURES, FLOW RESTRICTION DEVICES AND FACILITIES NEEDED TO CONVEY FLOW TO SAID BASINS. ARAPAHOE COUNTY SHALL HAVE THE RIGHT TO ENTER PROPERTIES TO INSPECT SAID FACILITIES AT ANY TIME. IF THESE FACILITIES ARE NOT PROPERLY MAINTAINED, THE COUNTY MAY PROVIDE NECESSARY MAINTENANCE AND ASSESS THE MAINTENANCE COST TO THE OWNER OF THE PROPERTY.

EMERGENCY ACCESS NOTE

EMERGENCY ACCESS IS GRANTED HEREWITH OVER AND ACROSS ALL PAVED AREAS FOR POLICE, FIRE AND EMERGENCY VEHICLES.

DRIVES, PARKING AREAS, AND UTILITY EASEMENTS MAINTENANCE

THE OWNERS OF THIS PLAN OR PLAT, THEIR SUCCESSORS, AND/OR ASSIGNS IN INTEREST, THE ADJACENT PROPERTY OWNER(S), HOMEOWNERS ASSOCIATION OR OTHER ENTITY OTHER THAN ARAPAHOE COUNTY, IS RESPONSIBLE FOR MAINTENANCE AND UPKEEP OF ANY AND ALL DRIVES, PARKING AREAS, AND EASEMENTS, I.E.: CROSS-ACCESS EASEMENTS, DRAINAGE EASEMENTS, ETC.

PRIVATE STREET MAINTENANCE

IT IS MUTUALLY UNDERSTOOD AND AGREED THAT THE PRIVATE ROADWAYS SHOWN ON THIS PLAT/PLAN ARE NOT IN CONFORMANCE WITH ARAPAHOE COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS AND WILL NOT BE MAINTAINED BY THE COUNTY UNTIL AND UNLESS THE STREETS ARE CONSTRUCTED IN CONFORMANCE WITH THE SUBDIVISION STANDARDS IN EFFECT AT THE DATE OF THE REQUEST FOR DEDICATION. THE OWNERS, DEVELOPERS, AND/OR SUBDIVIDERS, THEIR SUCCESSORS AND/OR ASSIGNS IN INTEREST, SHALL BE RESPONSIBLE FOR STREET MAINTENANCE UNTIL SUCH TIME AS THE COUNTY ACCEPTS RESPONSIBILITY FOR MAINTENANCE AS STATED ABOVE.

DRAINAGE LIABILITY

IT IS THE POLICY OF ARAPAHOE COUNTY THAT IT DOES NOT AND WILL NOT ASSUME LIABILITY FOR THE DRAINAGE FACILITIES DESIGNED AND/OR CERTIFIED BY HDR, INC. ARAPAHOE COUNTY REVIEWS DRAINAGE PLANS PURSUANT TO COLORADO REVISED STATUTES TITLE 30, ARTICLE 28, BUT CANNOT, ON BEHALF OF PUBLIC SERVICE COMPANY OF COLORADO GUARANTEE THAT FINAL DRAINAGE DESIGN REVIEW WILL ABSOLVE PUBLIC SERVICE COMPANY OF COLORADO AND/OR THEIR SUCCESSORS AND/OR ASSIGNS OF FUTURE LIABILITY FOR IMPROPER DESIGN. IT IS THE POLICY OF ARAPAHOE COUNTY THAT APPROVAL OF THE FINAL PLAT AND/OR FINAL DEVELOPMENT PLAN DOES NOT IMPLY APPROVAL OF HDR, INC.'S DRAINAGE DESIGN.

LANDSCAPE MAINTENANCE

THE OWNERS OF THIS PLAN OR PLAT, THEIR SUCCESSORS AND/OR ASSIGNS IN INTEREST, THE ADJACENT PROPERTY OWNER(S), HOMEOWNER'S ASSOCIATION OR OTHER ENTITY OTHER THAN ARAPAHOE COUNTY IS RESPONSIBLE FOR MAINTENANCE AND UPKEEP OF PERIMETER FENCING, LANDSCAPED AREAS AND SIDEWALKS BETWEEN THE FENCE LINE/PROPERTY LINE AND ANY PAVED ROADWAYS.THE OWNERS OF THIS SUBDIVISION, THEIR SUCCESSORS AND/OR ASSIGNS IN INTEREST, OR SOME OTHER ENTITY OTHER THAN ARAPAHOE COUNTY, AGREE TO THE RESPONSIBILITY OF MAINTAINING ALL OTHER OPEN SPACE AREAS ASSOCIATED WITH THIS DEVELOPMENT.

PUBLIC IMPROVEMENTS NOTE

AFTER FINAL DEVELOPMENT PLAN/FINAL PLAT APPROVAL, ISSUANCE OF INDIVIDUAL BUILDING PERMITS WILL BE SUBJECT TO THE FOLLOWING STIPULATIONS AND/OR CONDITIONS PRECEDENT, WHICH OWNER AGREES TO IN CONJUNCTION WITH APPROVAL OF THE FINAL DEVELOPMENT PLAN AND/OR FINAL PLAT. SUCH BUILDING PERMITS WILL BE ISSUED ONLY AFTER THE OWNERS GUARANTEE PUBLIC IMPROVEMENTS IN A FORM ACCEPTABLE TO THE BOARD OF COUNTY COMMISSIONERS PURSUANT TO STATE STATUTE.

SIGHT TRIANGLE NOTE

SIGHT DISTANCE RESTRICTIONS, CONSISTING OF A 30 FOOT BY A 30 FOOT SIGHT DISTANCE TRIANGLE OR OF SUCH OTHER DIMENSIONS AS REQUIRED TO PROTECT AASHTO SIGHT LINES, SHALL APPLY TO ALL LAND AREAS ADJACENT TO ALL PUBLIC AND PRIVATE ROAD INTERSECTIONS ON THIS PLAT. THE OWNERS OF SUCH ADJACENT LAND AREAS ARE PROHIBITED FROM ERECTING, GROWING, OR OTHERWISE PERMITTING ANY OBSTRUCTION WITHIN SUCH LAND AREA THAT IS OVER 3 FEET IN HEIGHT ABOVE THE ELEVATION OF THE LOWEST POINT ON THE CROWN OF THE ADJACENT ROADWAY.

DRAINAGE MASTER PLAN NOTE

THE POLICY OF THE COUNTY REQUIRES THAT ALL NEW DEVELOPMENT AND REDEVELOPMENT SHALL PARTICIPATE IN THE REQUIRED DRAINAGE IMPROVEMENTS AS SET FORTH BELOW:

- DESIGN AND CONSTRUCT THE LOCAL DRAINAGE SYSTEM AS DEFINED BY THE PHASE III DRAINAGE REPORT AND PLAN.
- DESIGN AND CONSTRUCT THE CONNECTION OF THE SUBDIVISION DRAINAGE SYSTEM TO A DRAINAGEWAY OF ESTABLISHED CONVEYANCE CAPACITY SUCH AS A MASTER PLANNED OUTFALL STORM SEWER OR MASTER PLANNED MAJOR DRAINAGEWAY. THE COUNTY WILL REQUIRE THAT THE CONNECTION OF THE MINOR AND MAJOR SYSTEMS PROVIDE CAPACITY TO CONVEY ONLY THOSE FLOWS (INCLUDING OFFSITE FLOWS) LEAVING THE SPECIFIC DEVELOPMENT SITE. TO MINIMIZE OVERALL CAPITAL COSTS, THE COUNTY ENCOURAGES ADJACENT DEVELOPMENTS TO JOIN IN DESIGNING AND CONSTRUCTING CONNECTION SYSTEMS. ALSO, THE COUNTY MAY CHOOSE TO PARTICIPATE WITH A DEVELOPER IN THE DESIGN AND CONSTRUCTION OF THE CONNECTION SYSTEM.
- EQUITABLE PARTICIPATION IN THE DESIGN AND CONSTRUCTION OF THE MAJOR DRAINAGEWAY SYSTEM THAT SERVES THE DEVELOPMENT AS DEFINED BY ADOPTED MASTER DRAINAGEWAY PLANS (SECTION 3.4 OF THE ARAPAHOE COUNTY STORMWATER MANAGEMENT MANUAL) OR AS REQUIRED BY THE COUNTY AND DESIGNATED IN THE PHASE III DRAINAGE REPORT.

SPECIFIC NOTES:

AIRPORT INFLUENCE AREA

(AVIGATION EASEMENT/HAZARD EASEMENT)

AN AVIGATION AND HAZARD EASEMENT AFFECTING ALL PROPERTY CONTAINED WITHIN THIS LOCATION AND EXTENT PLAN HAS BEEN LEGALLY EXECUTED. SAID EASEMENT DOCUMENT CAN BE FOUND IN BOOK _____, PAGE _____, OR RECEPTION NUMBER _____ OF THE RECORDS OF THE ARAPAHOE COUNTY CLERK AND RECORDER. THE LANDS CONTAINED WITHIN THIS LOCATION AND EXTENT PLAN LIE WITHIN THE AIRPORT INFLUENCE AREA, AN AREA WHICH IS LIKELY TO BE AFFECTED BY AIRCRAFT OPERATIONS AND THEIR POTENTIAL NOISE AND/OR CRASH HAZARDS TO A GREATER DEGREE THAN LANDS SITUATED OUTSIDE OF THE INFLUENCE AREA.

DRAINAGE

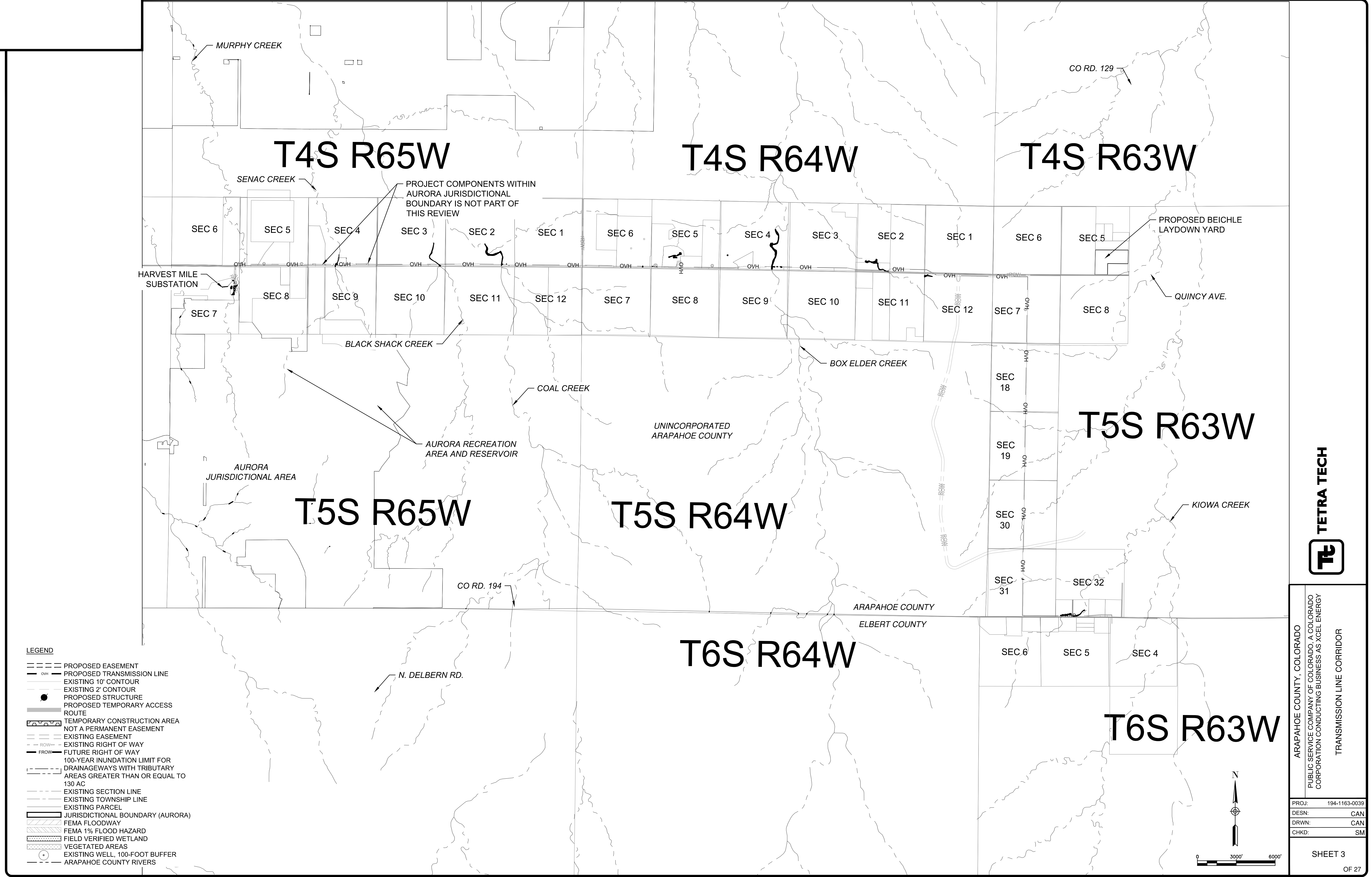
ALL DRAINAGE, DETENTION POND AND STORM SEWER EASEMENTS SHOWN HEREON BURDEN AND RUN WITH ALL LANDS DESCRIBED IN THIS PLAT TO THE BENEFIT OF ARAPAHOE COUNTY AND ITS ASSIGNS, AND ARE BINDING UPON THE OWNERS AND THEIR RESPECTIVE SUCCESSORS, HEIRS AND ASSIGNS. THE EASEMENTS ARE GOVERNED BY THE TERMS AND CONDITIONS OF ARAPAHOE COUNTY'S STORMWATER AND DRAINAGE REGULATIONS AND STANDARDS AND ALL TERMS AND CONDITIONS OF RECORD, INCLUDING THOSE RECORDED ON JUNE 5, 1997, AT RECEPTION NUMBER A7066570, AS THOSE REGULATIONS, STANDARDS, TERMS AND CONDITIONS THAT EXIST AT THE TIME OF COUNTY APPROVAL OF THIS DOCUMENT AND AS THEY MAY BE AMENDED FROM TIME TO TIME.



ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY
GENERAL & SPECIFIC NOTES

PROJ:	194-1163-0039
DESN:	CAN
DRWN:	CAN
CHKD:	SM

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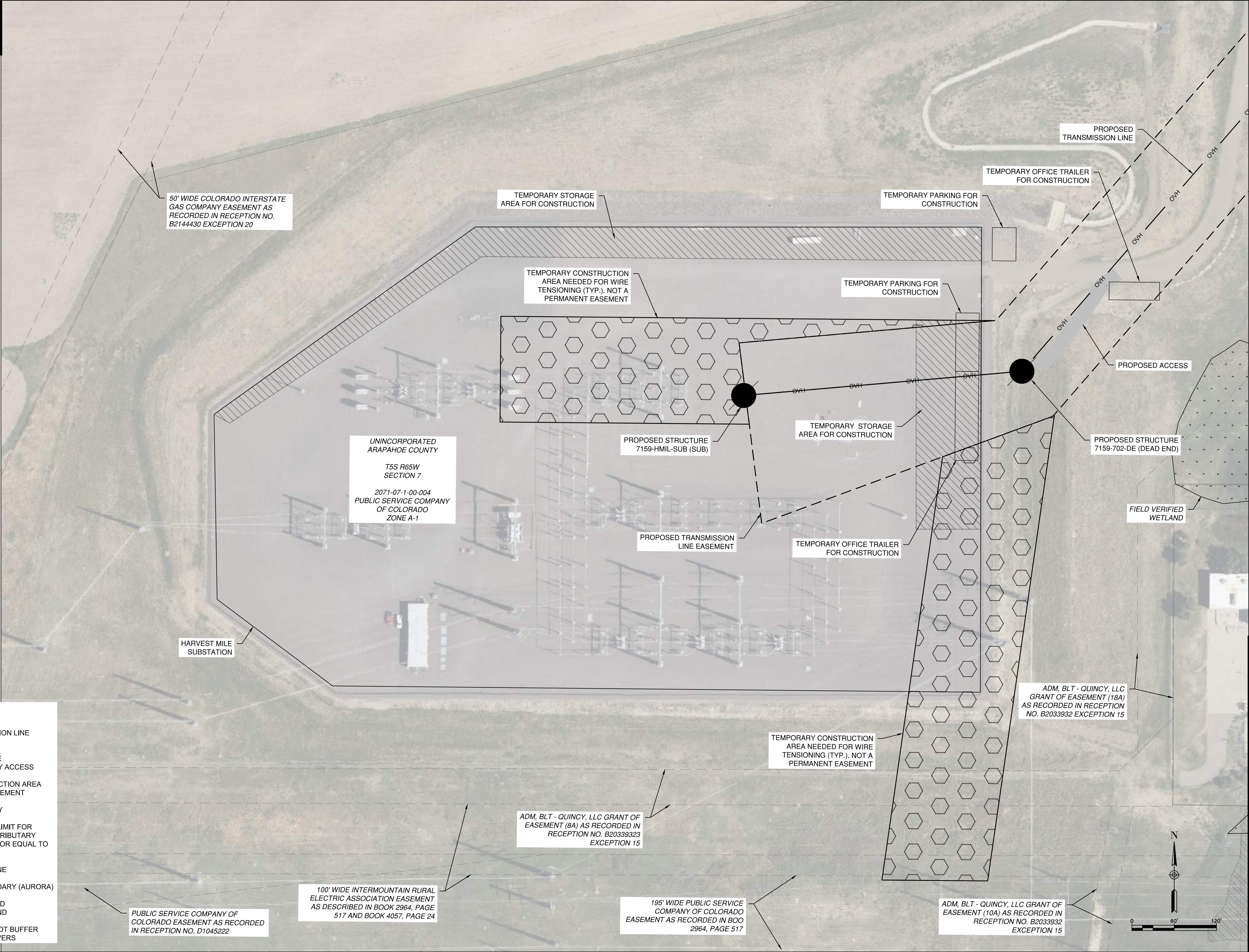
TETRA TECH

ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY

TRANSMISSION LINE CORRIDOR

PROJ: 194-1163-0039
DESN: CAN
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LEGEND

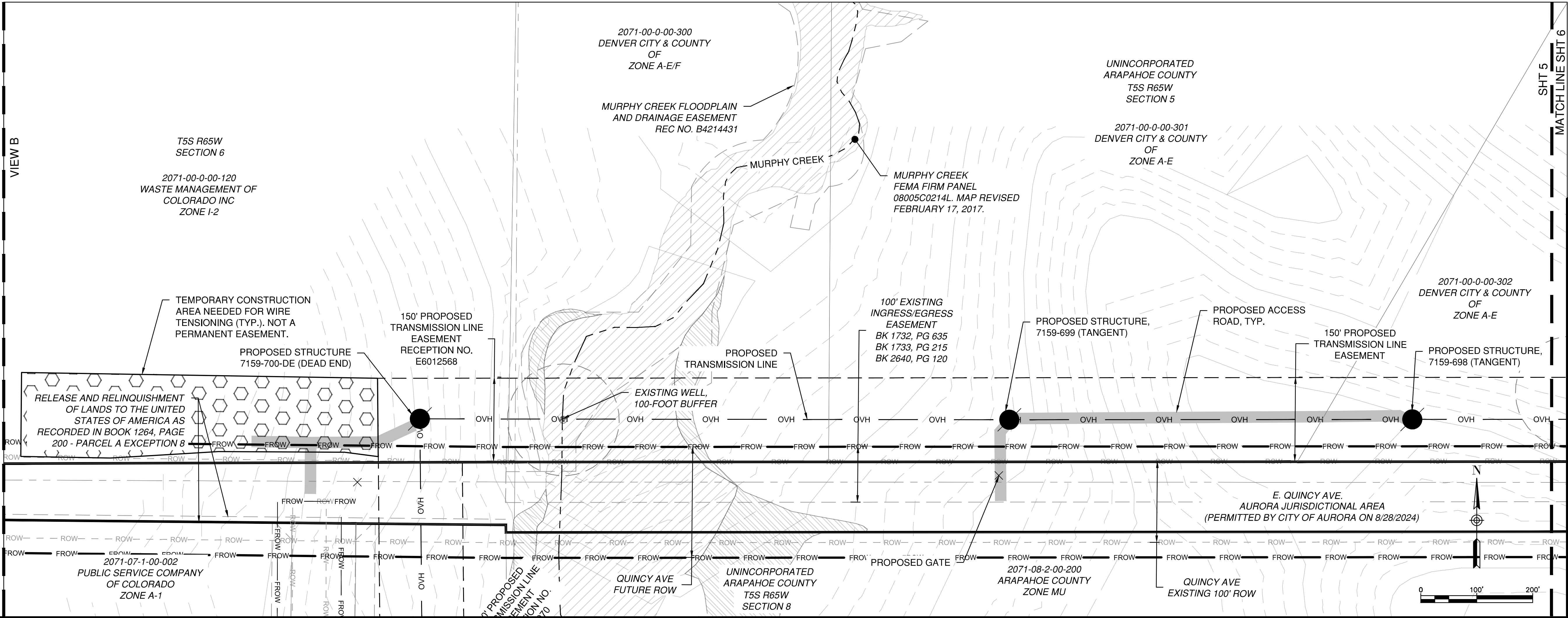
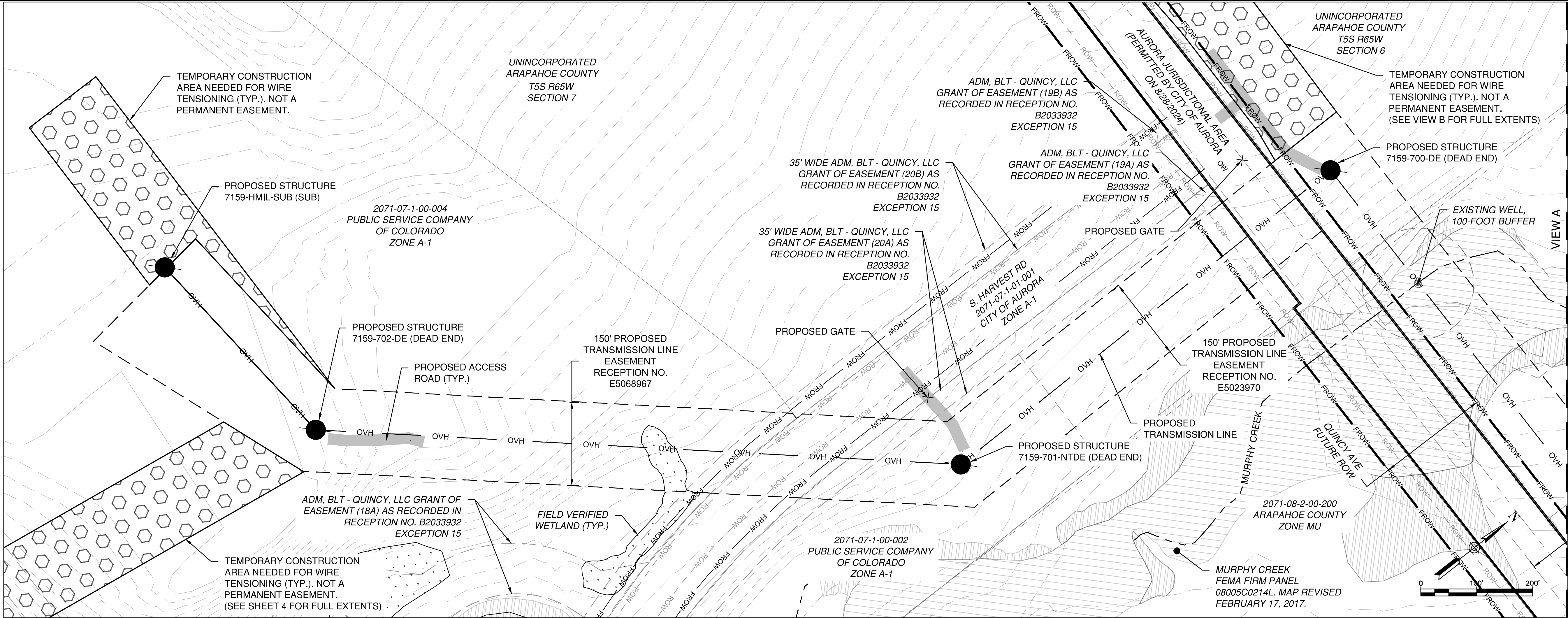
- PROPOSED EASEMENT
- OWH --- PROPOSED TRANSMISSION LINE
- EXISTING 10' CONTOUR
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- FIELD VERIFIED WETLAND
- VEGETATED AREAS
- EXISTING WELL, 100-FOOT BUFFER
- ARAPAHOE COUNTY RIVERS

**TETRA TECH**

ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY
HARVEST MILE SUBSTATION PLAN

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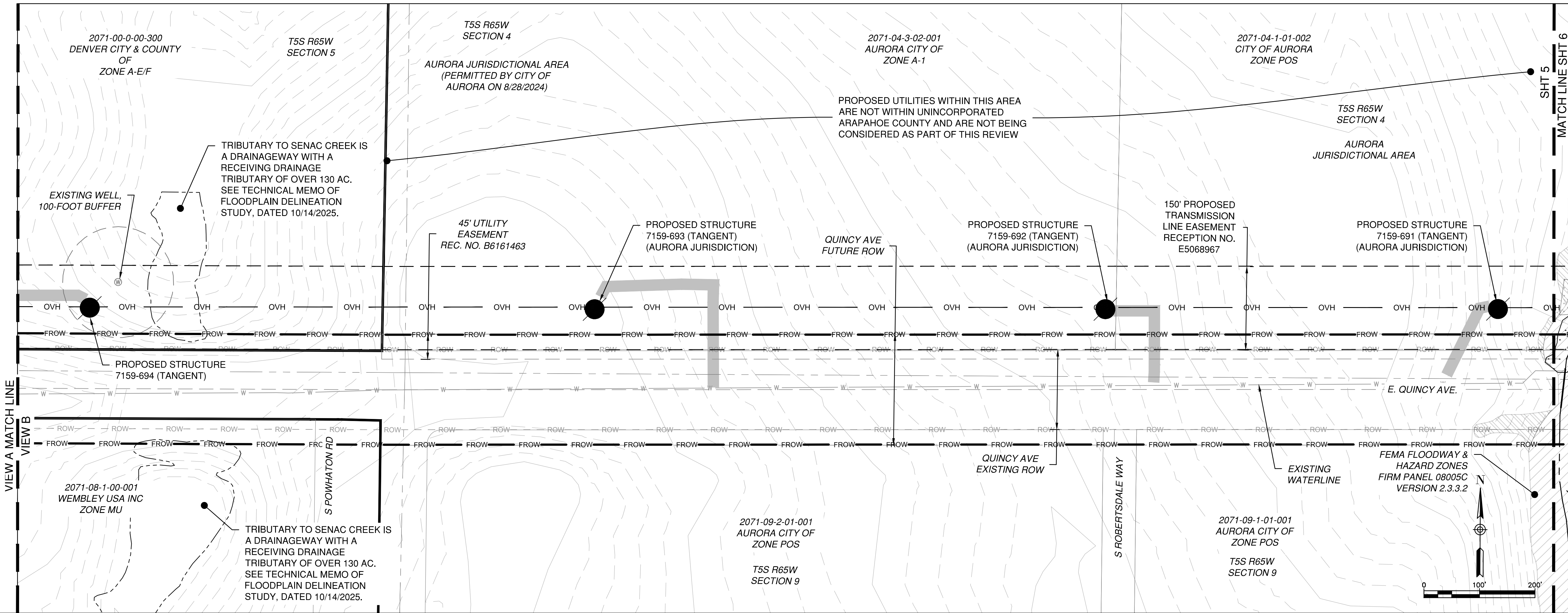
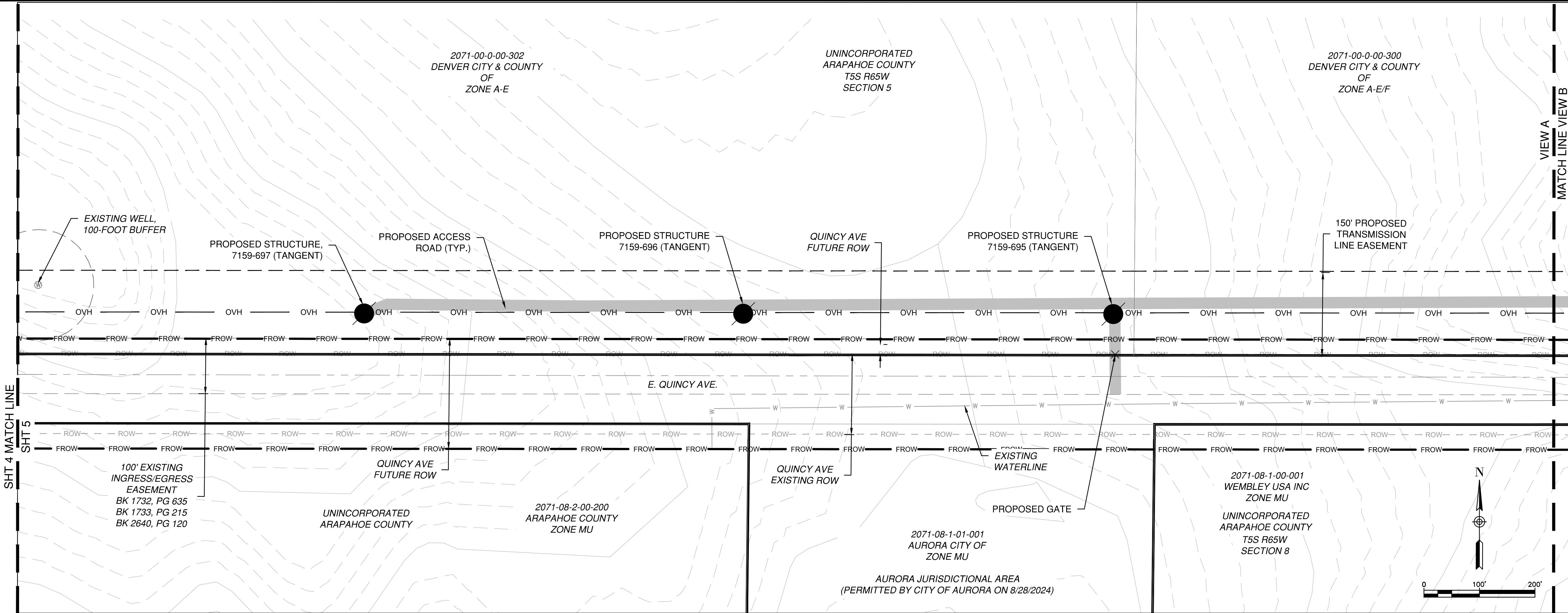
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SHEET 5
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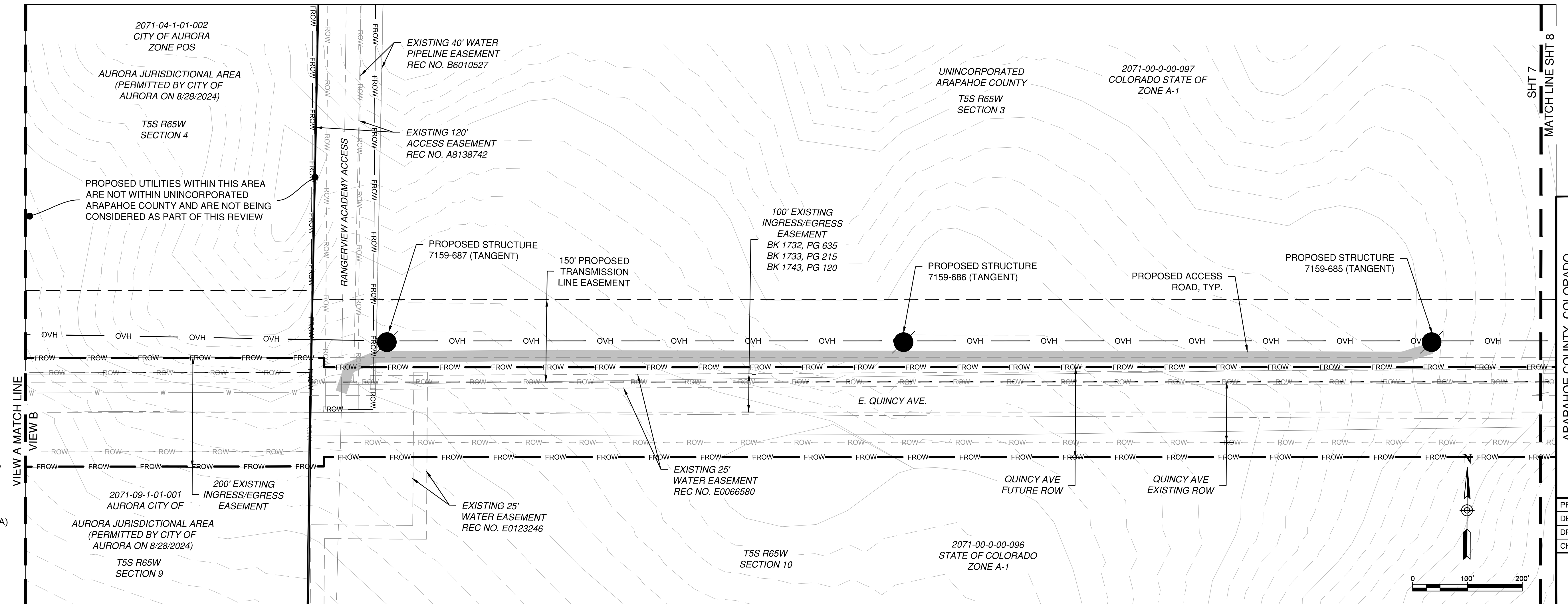
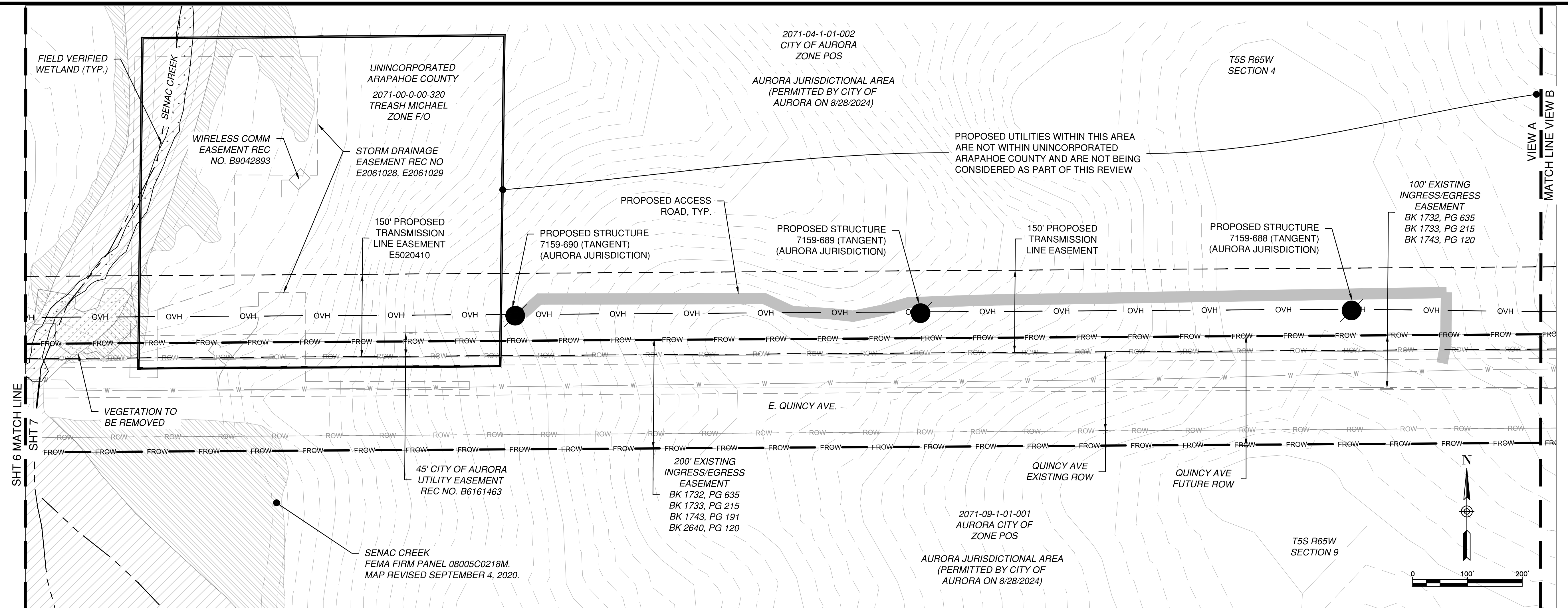
ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY

LOCATION AND EXTENT PLAN

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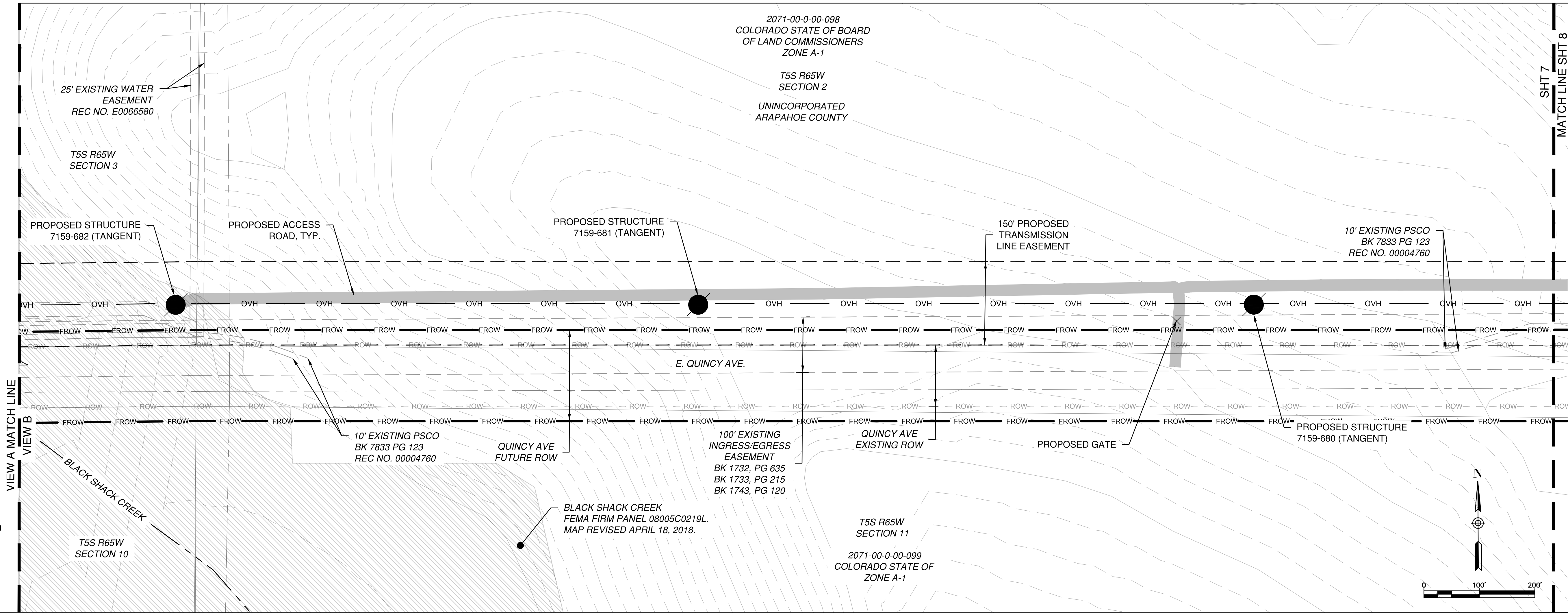
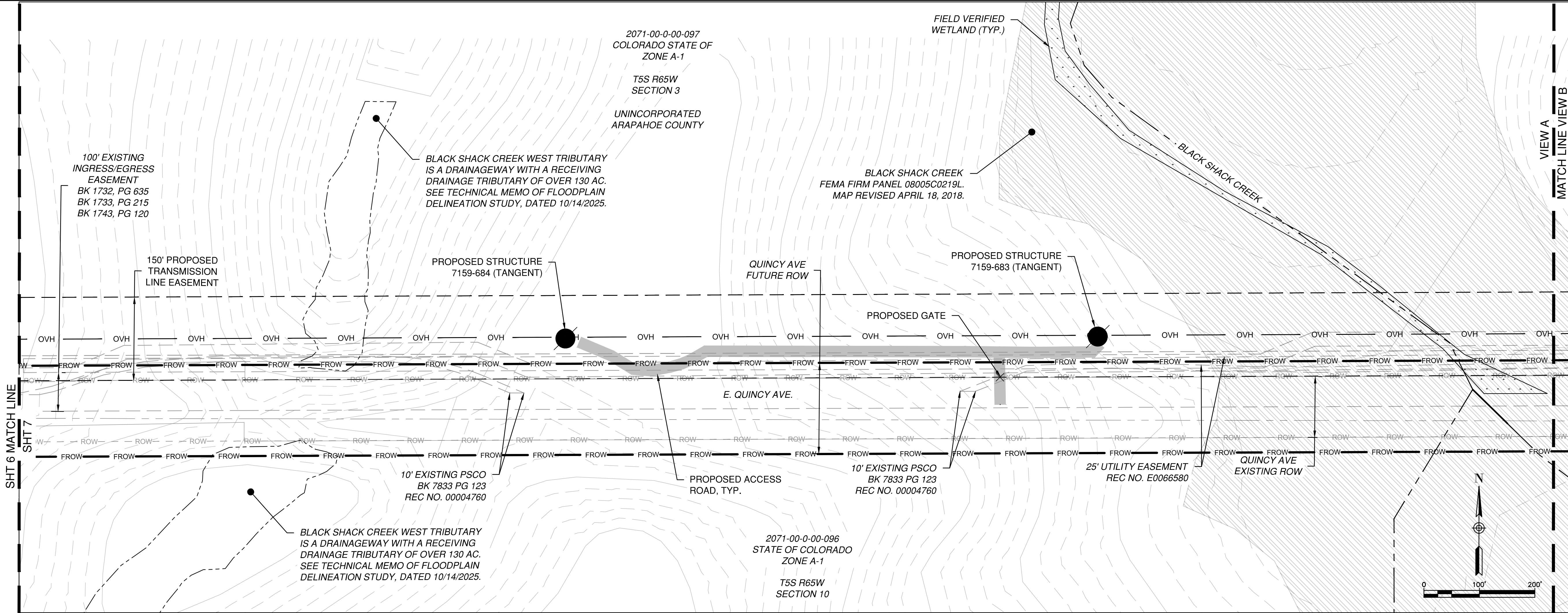


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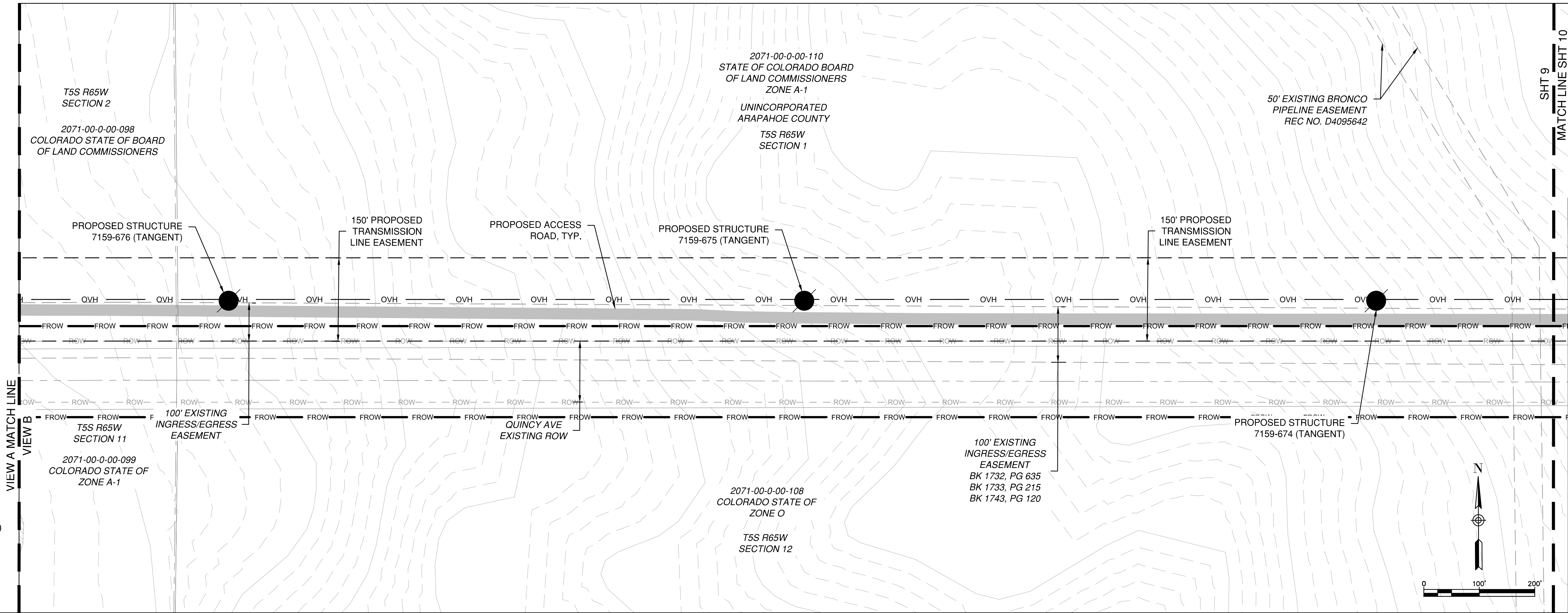
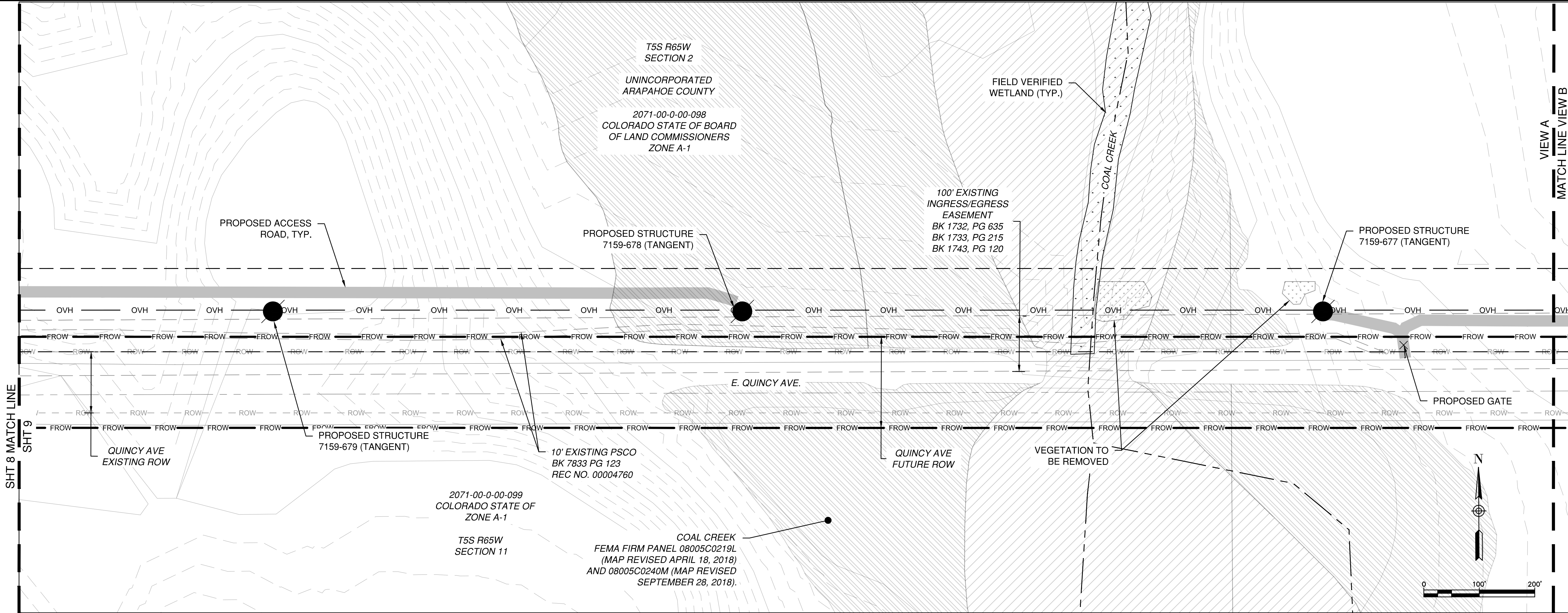


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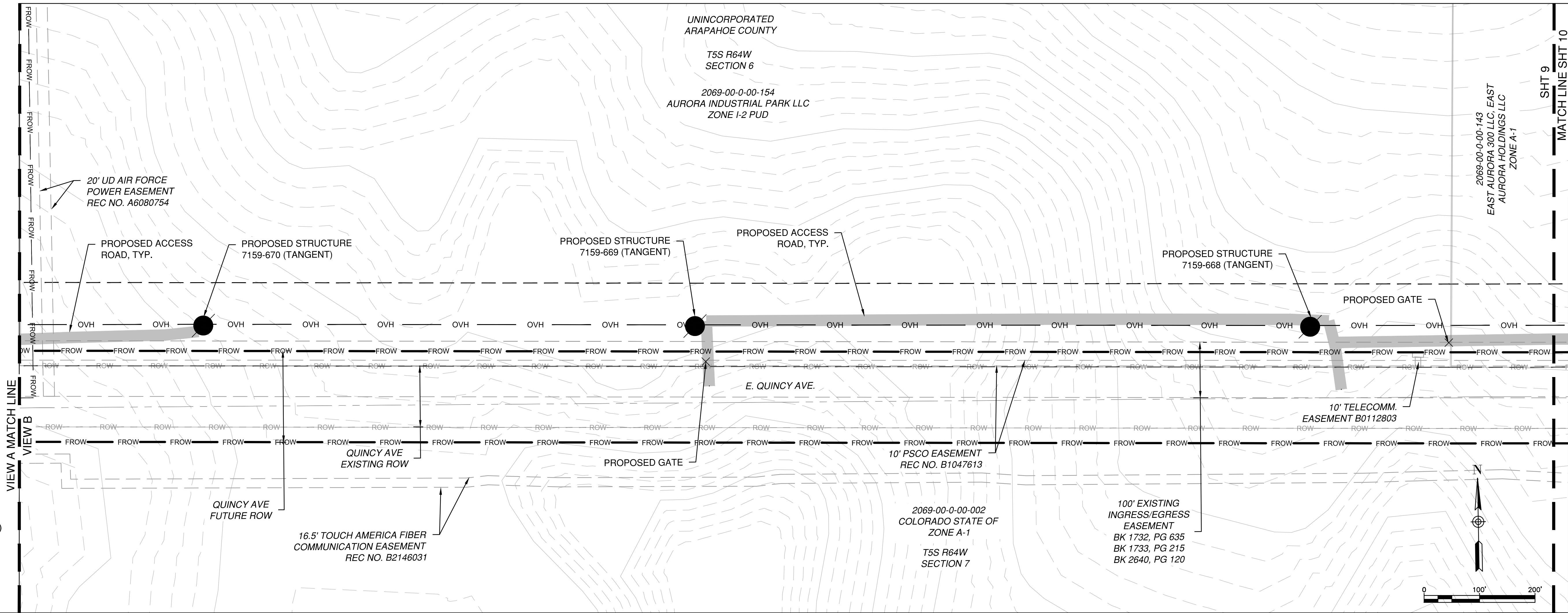
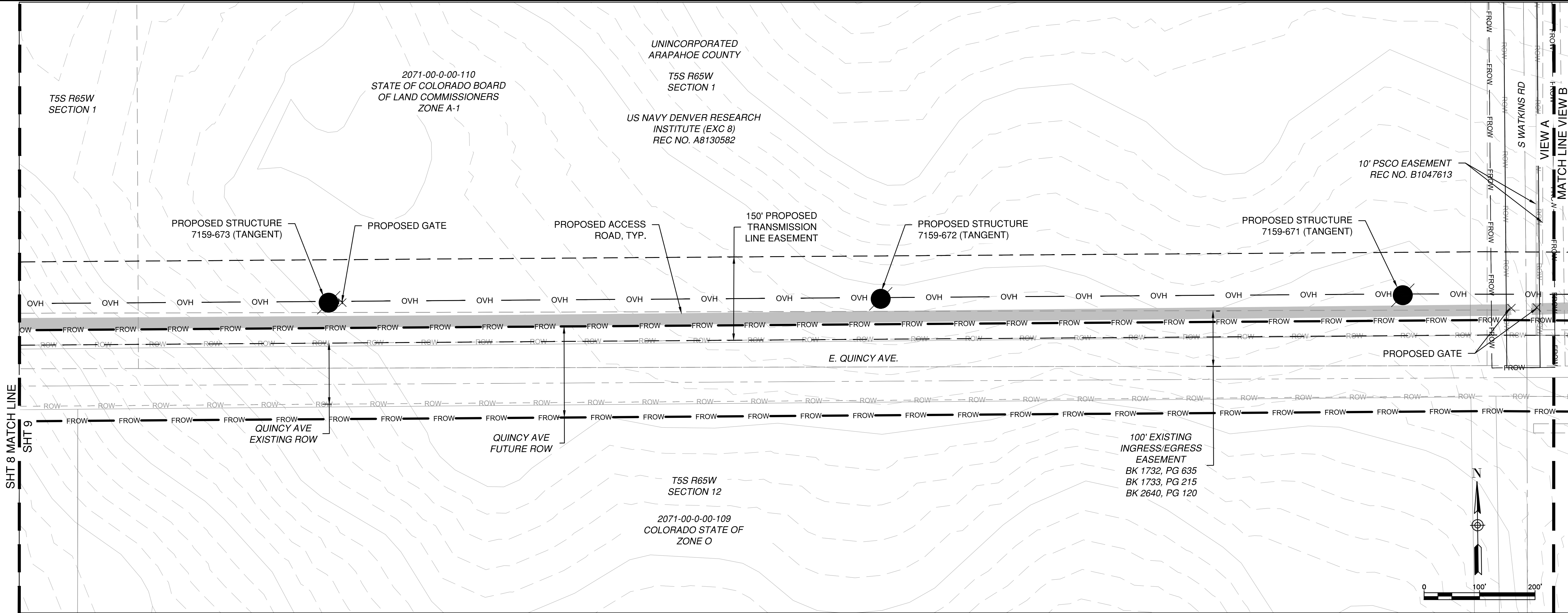


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LOCATION AND EXTENT PLAN



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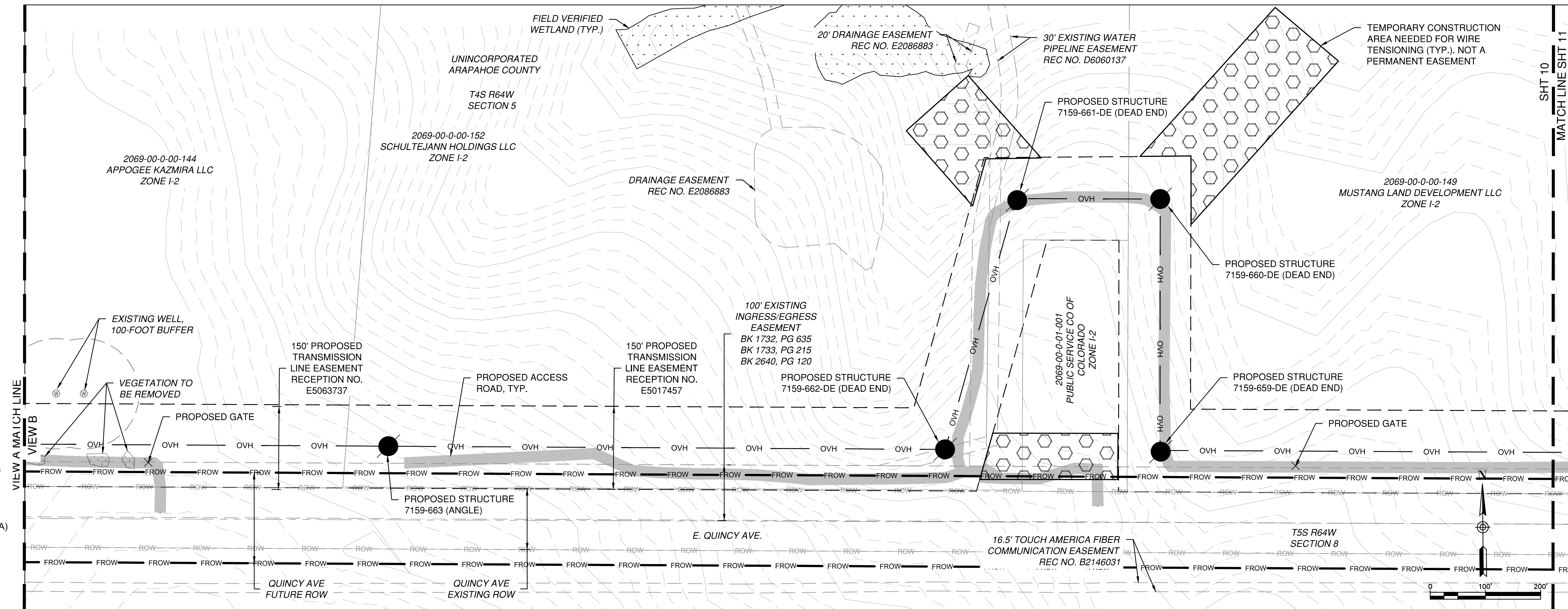


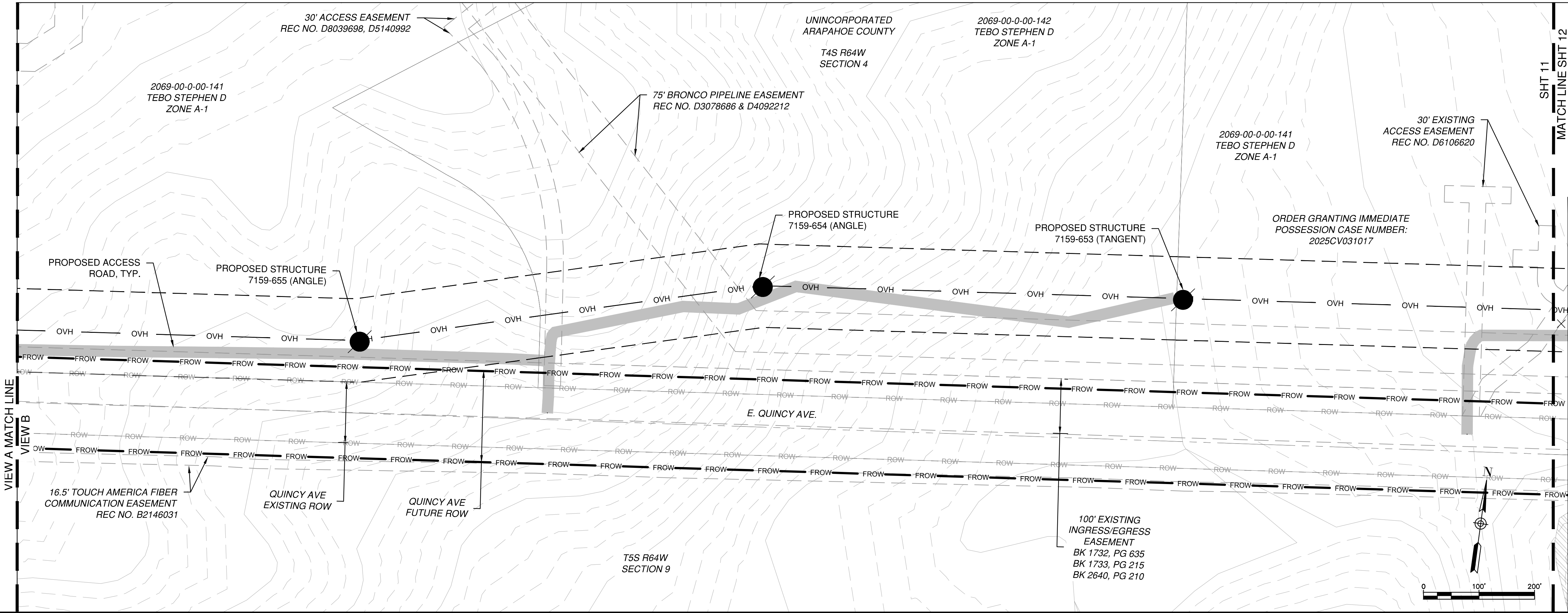
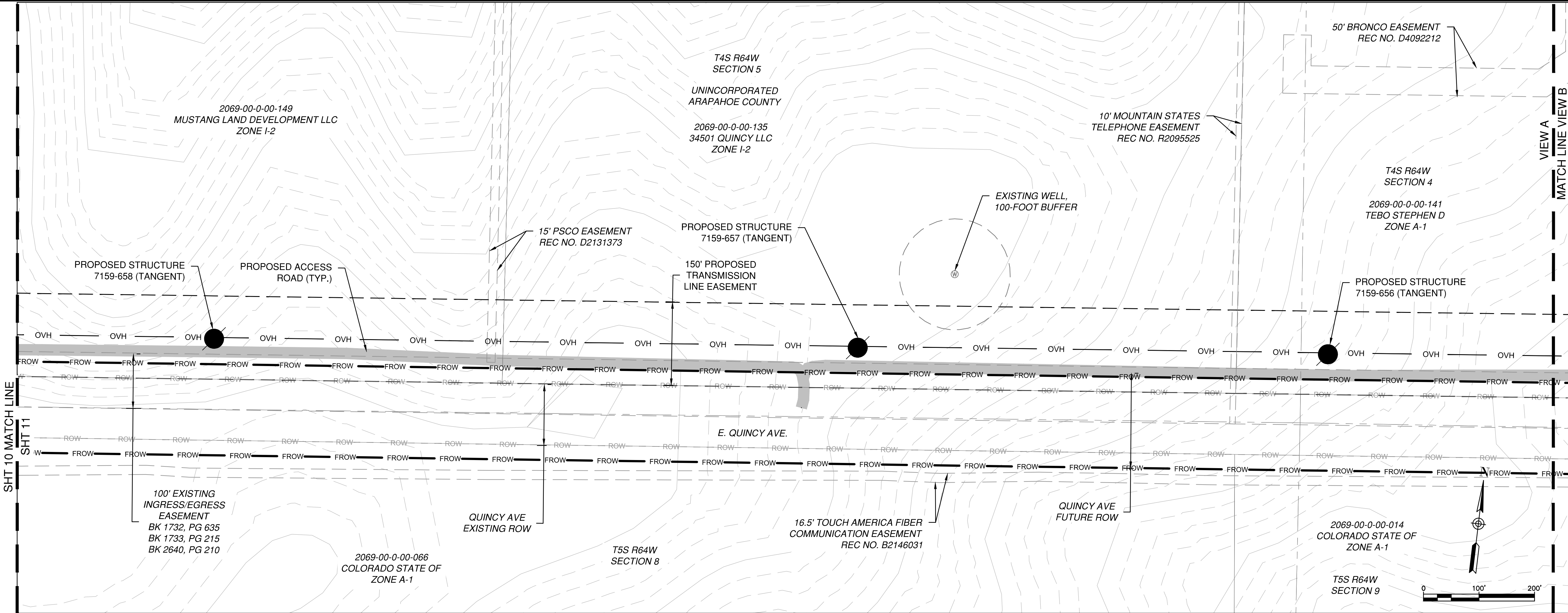
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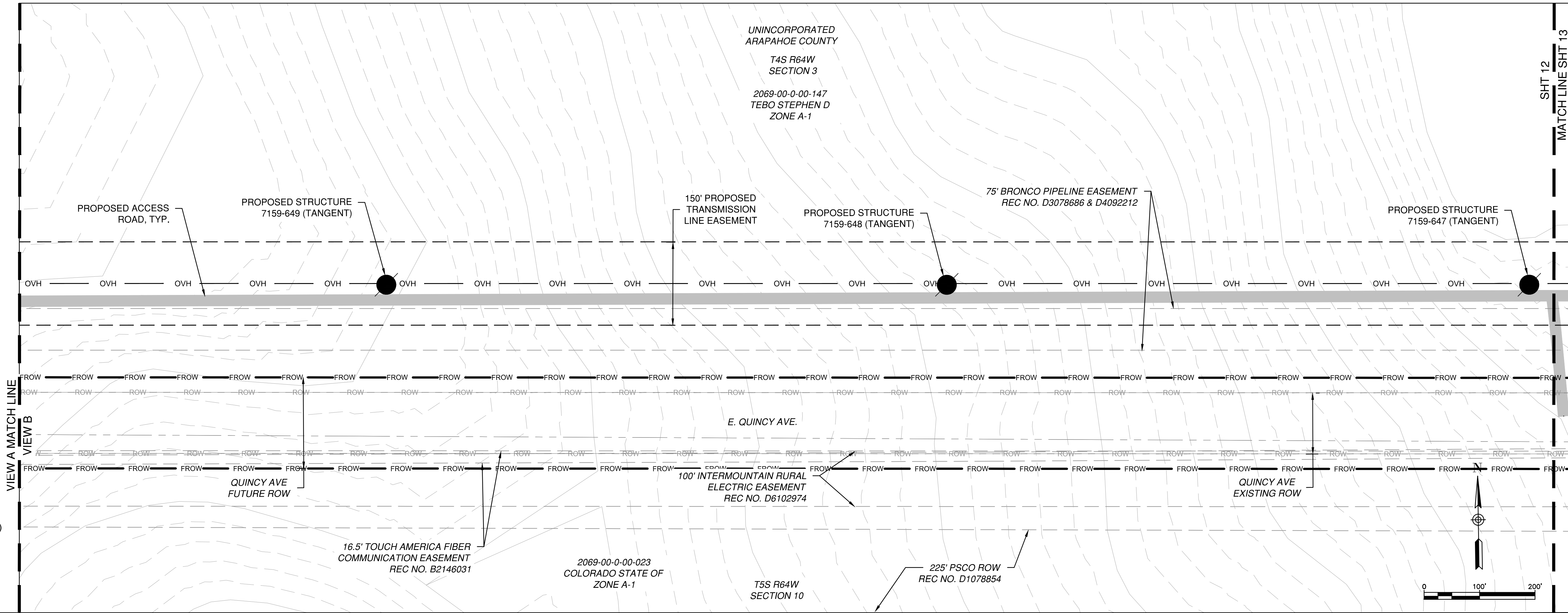
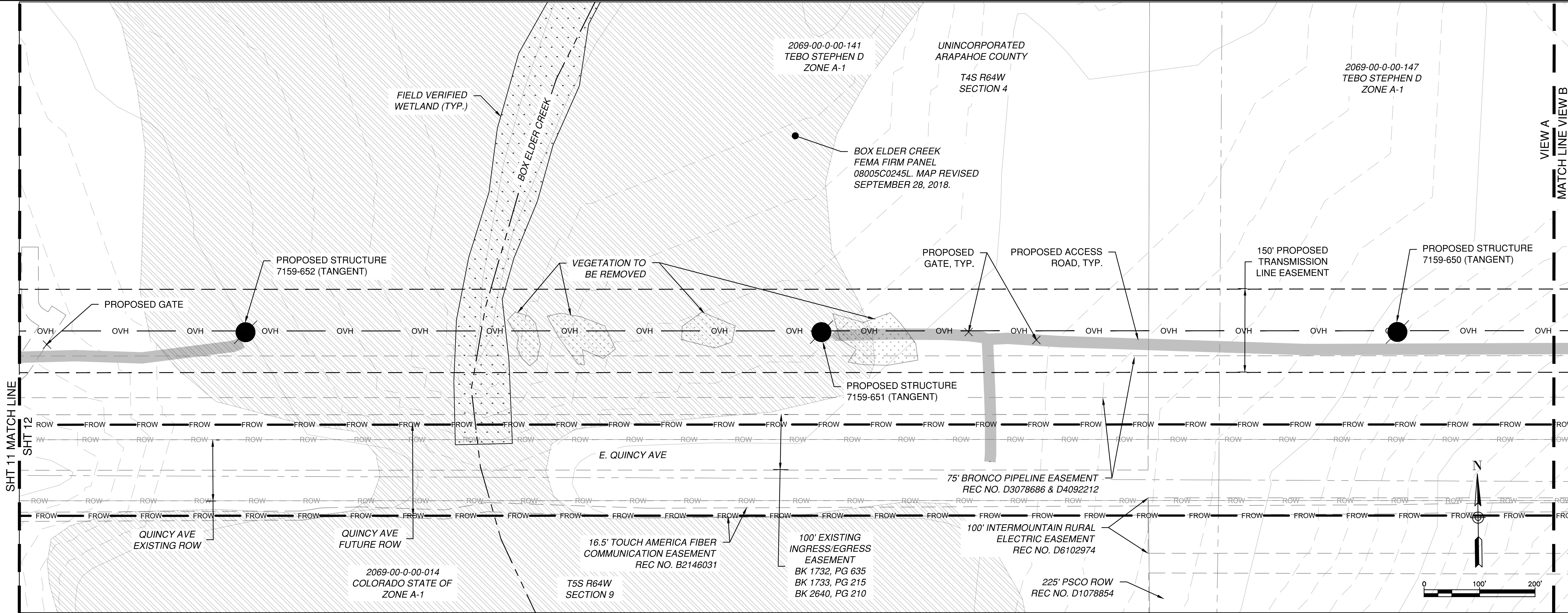


ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY

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DESN:	CAN
DRWN:	CAN
CHKD:	SM

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OF 27

LOCATION AND EXTENT PLAN



LEGEND

- PROPOSED EASEMENT
- OVH --- PROPOSED TRANSMISSION LINE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPOSED STRUCTURE
- PROPOSED TEMPORARY ACCESS ROUTE
- TEMPORARY CONSTRUCTION AREA
- NOT A PERMANENT EASEMENT
- EXISTING EASEMENT
- EXISTING RIGHT OF WAY
- FROW --- FUTURE RIGHT OF WAY
- 100-YEAR INUNDATION LIMIT FOR DRAINAGEWAYS WITH TRIBUTARY AREAS GREATER THAN OR EQUAL TO 130 AC
- EXISTING SECTION LINE
- EXISTING TOWNSHIP LINE
- EXISTING PARCEL
- JURISDICTIONAL BOUNDARY (AURORA)
- FEMA FLOODWAY
- FEMA 1% FLOOD HAZARD
- FIELD VERIFIED WETLAND
- VEGETATED AREAS
- EXISTING WELL, 100-FOOT BUFFER
- ARAPAHOE COUNTY RIVERS



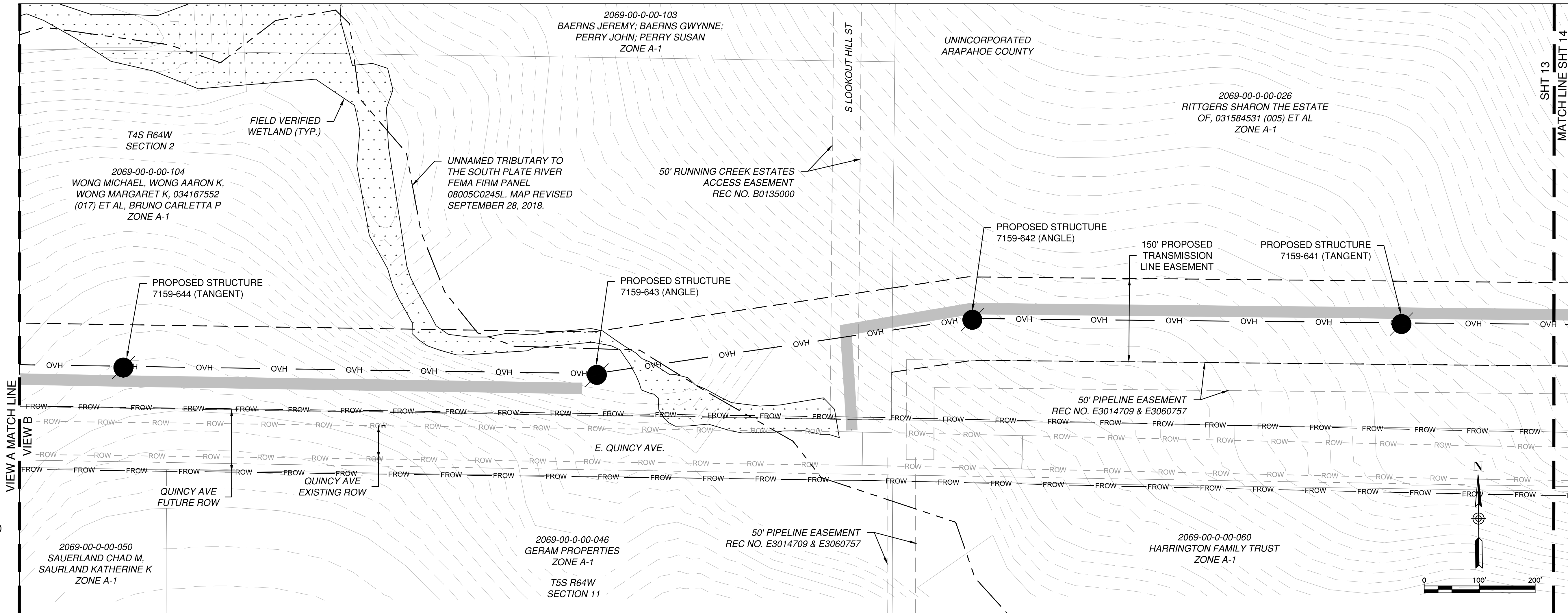
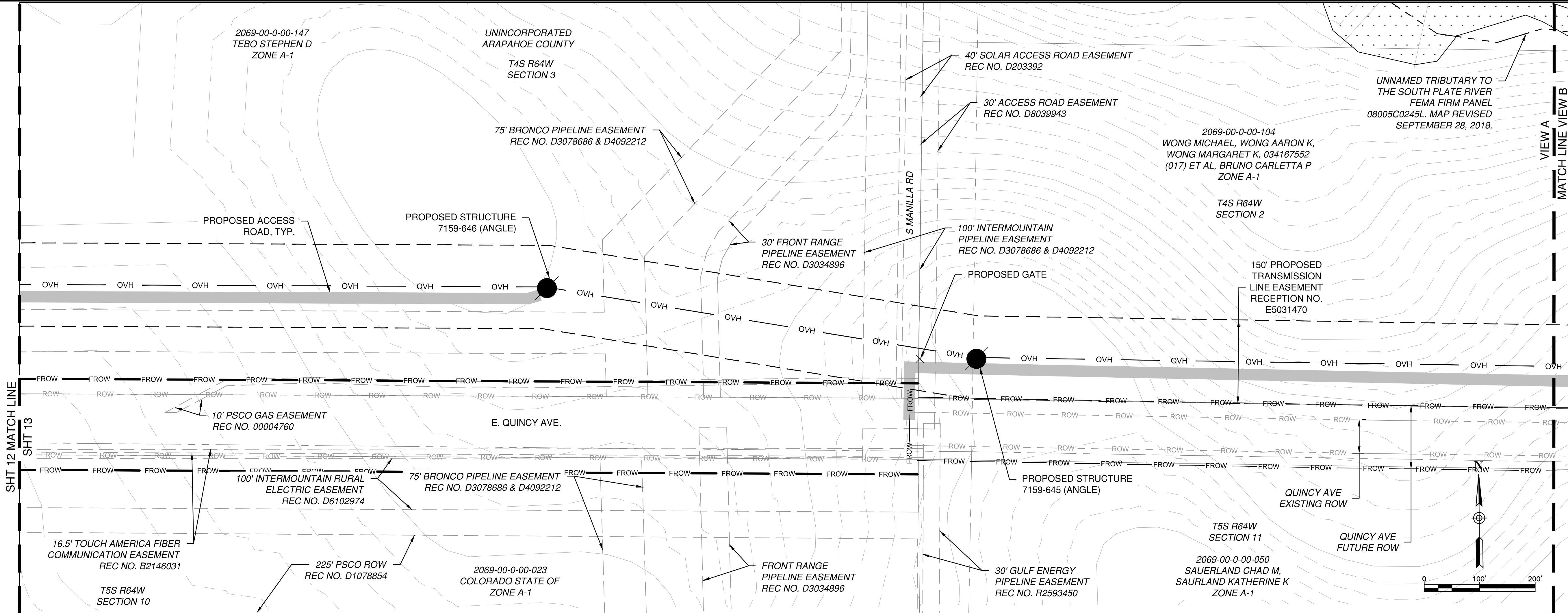
ARAPAHOE COUNTY, COLORADO
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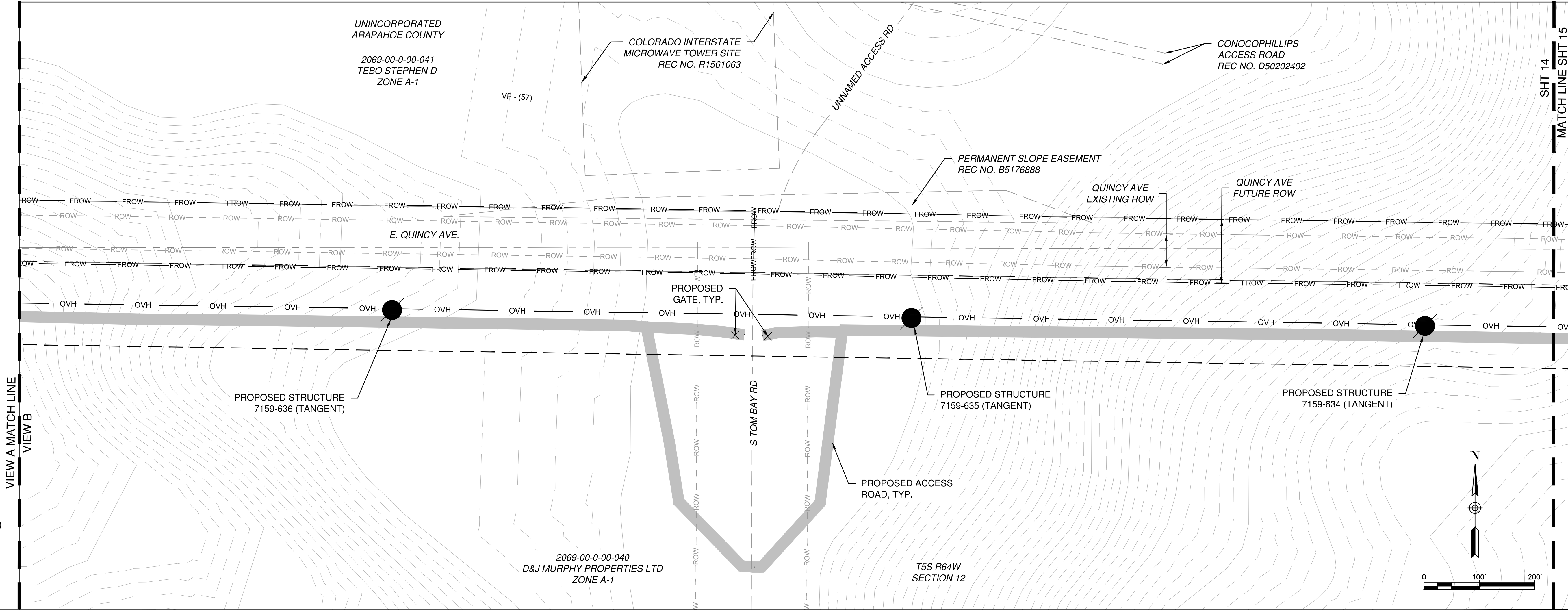
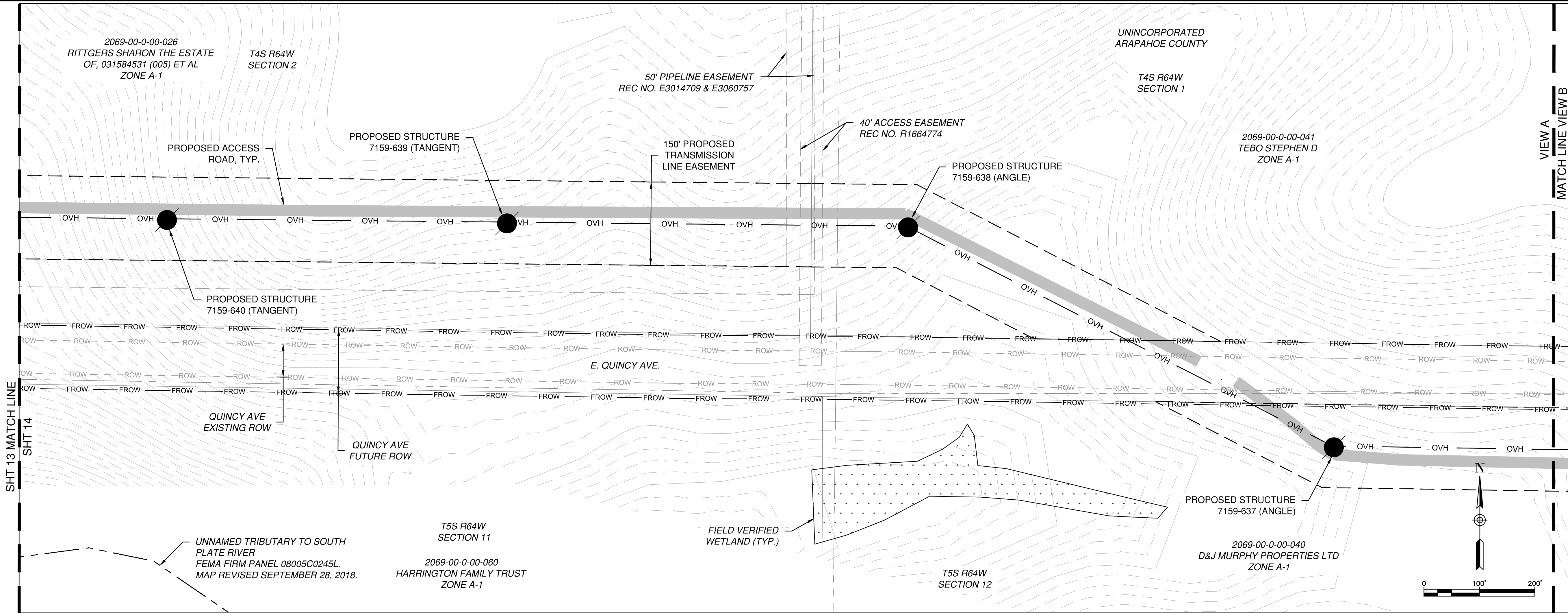
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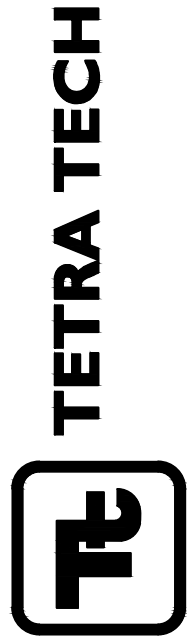
- LEGEND**
- PROPOSED EASEMENT
 - OVH --- PROPOSED TRANSMISSION LINE
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - PROPOSED STRUCTURE
 - PROPOSED TEMPORARY ACCESS ROUTE
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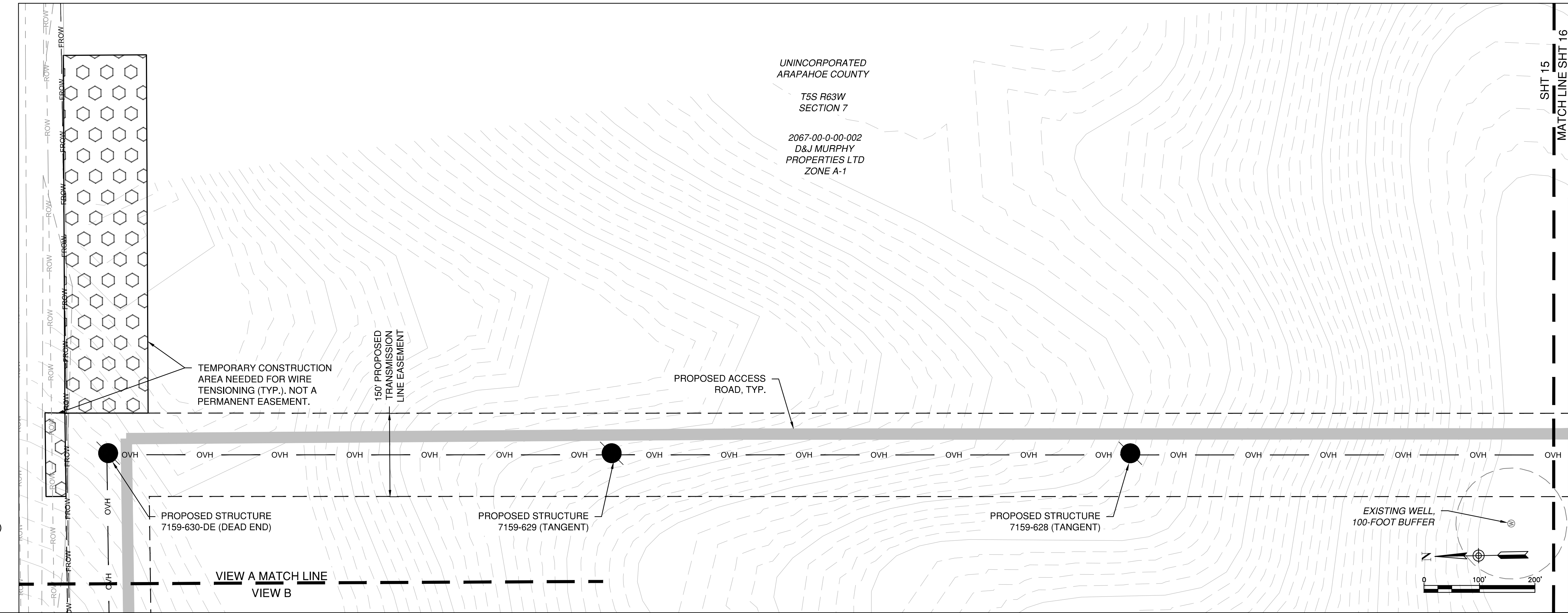
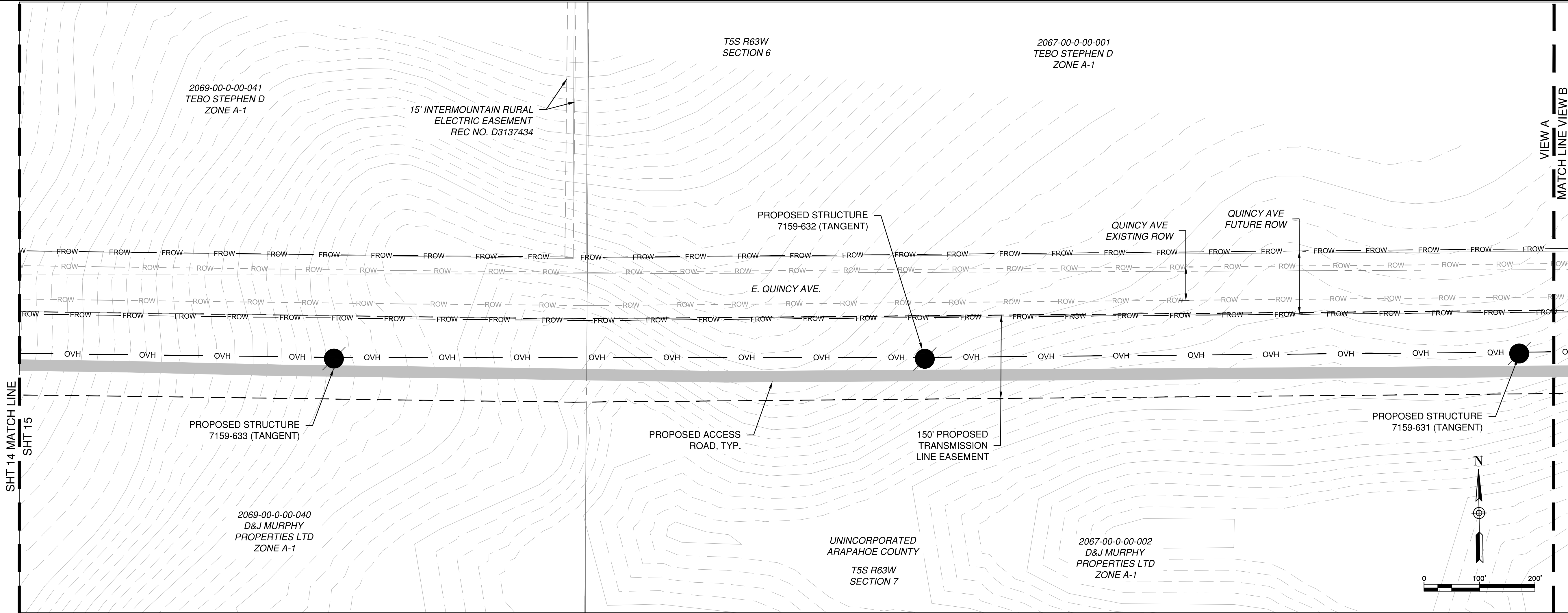
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- LEGEND**
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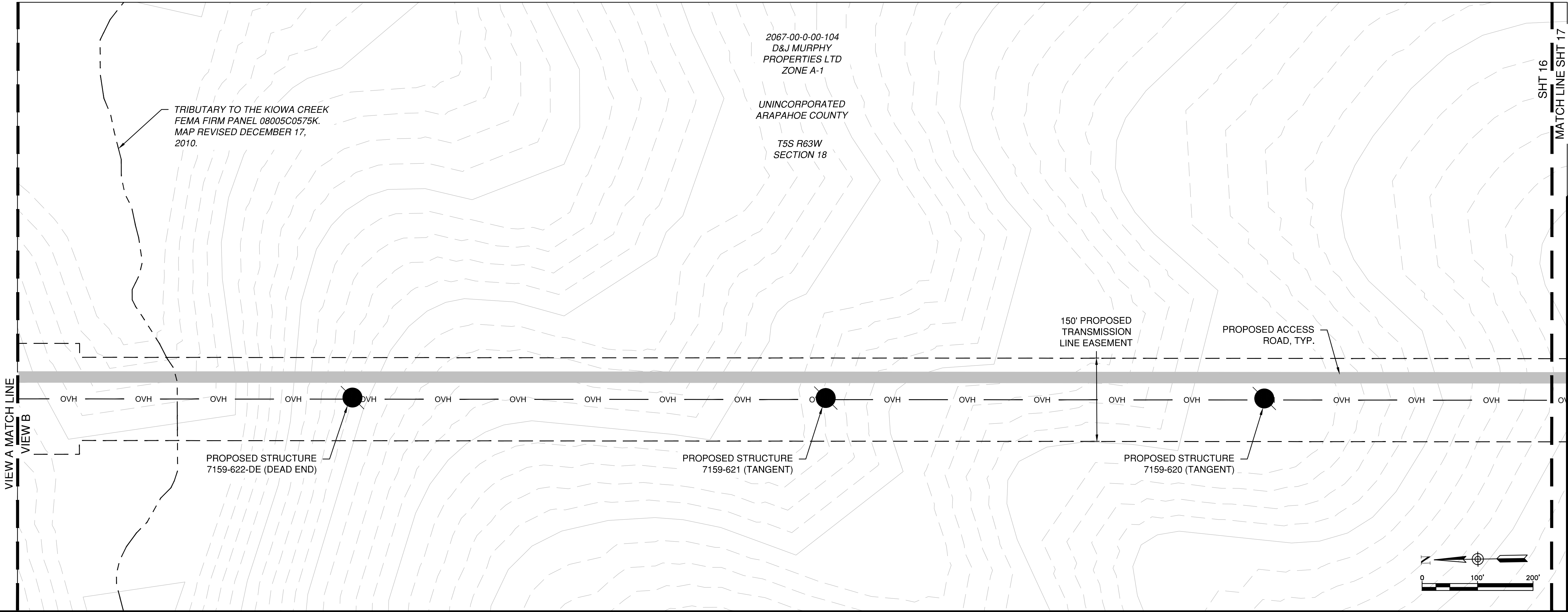
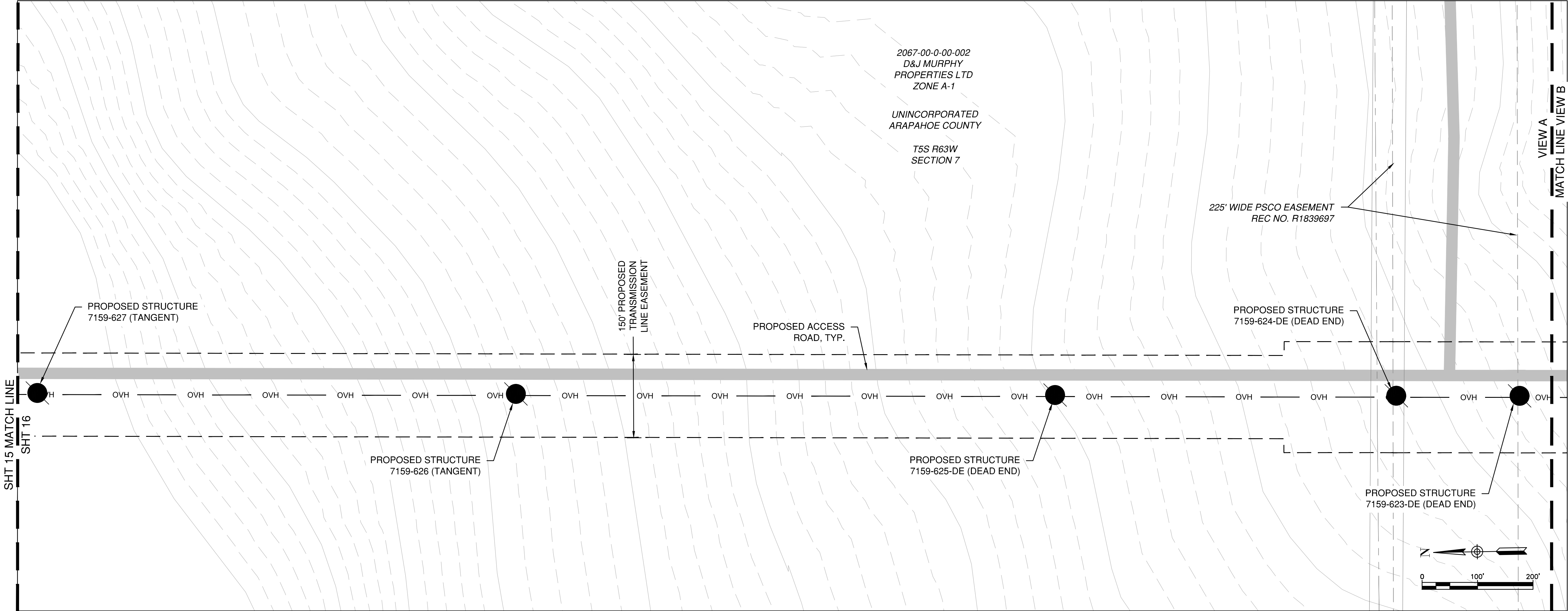
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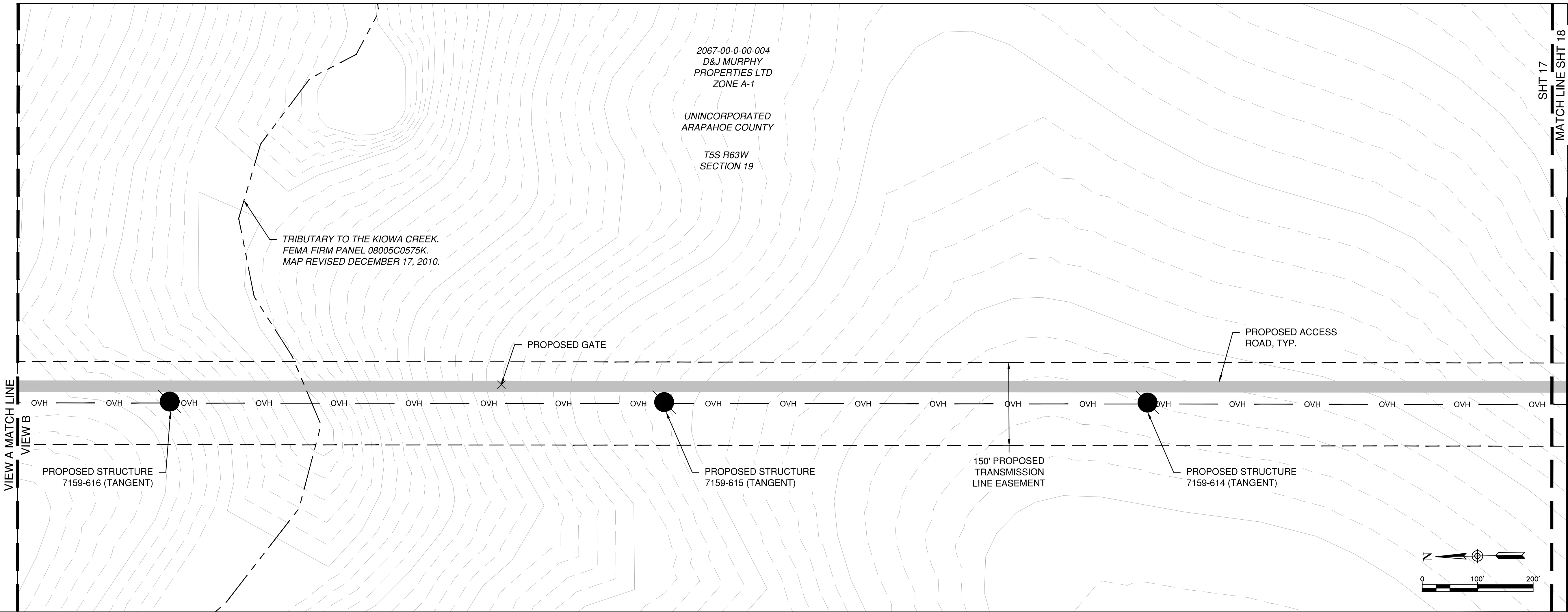
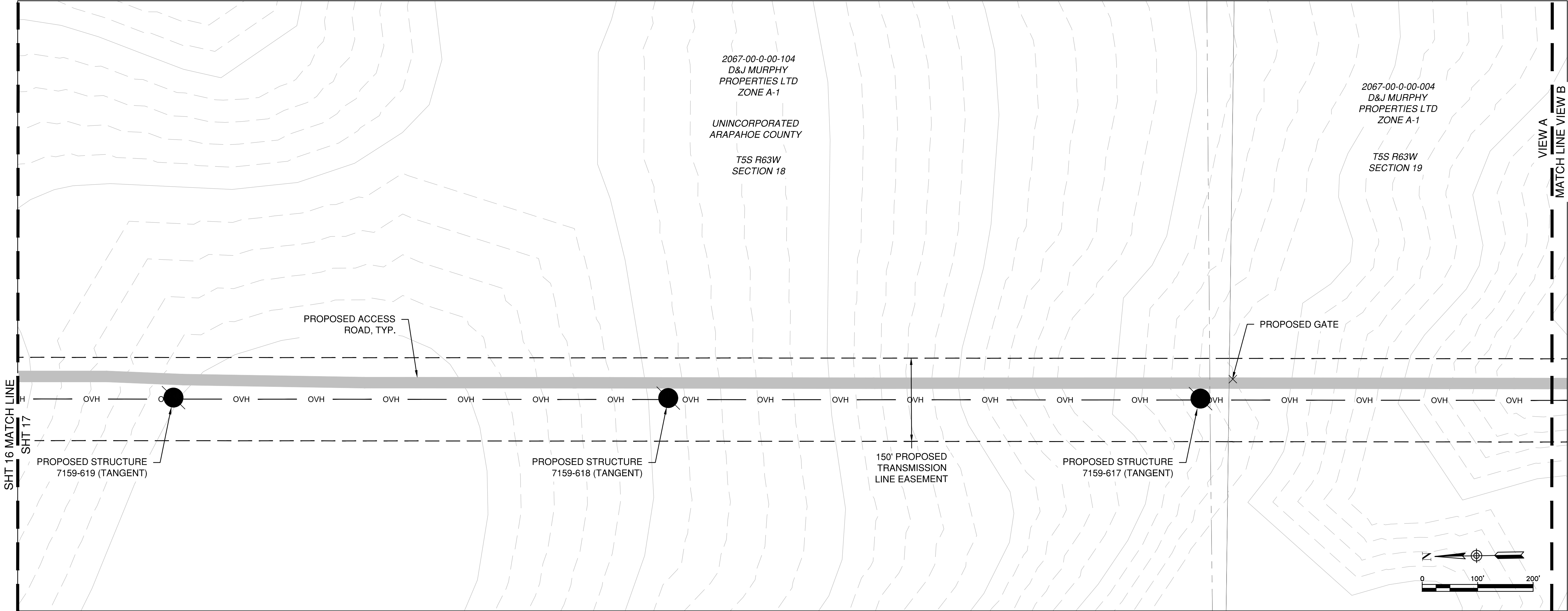
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- LEGEND
- PROPOSED EASEMENT
 - OVH PROPOSED TRANSMISSION LINE
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - PROPOSED STRUCTURE
 - PROPOSED TEMPORARY ACCESS ROUTE
 - TEMPORARY CONSTRUCTION AREA NOT A PERMANENT EASEMENT
 - EXISTING EASEMENT
 - EXISTING RIGHT OF WAY
 - FROM FUTURE RIGHT OF WAY
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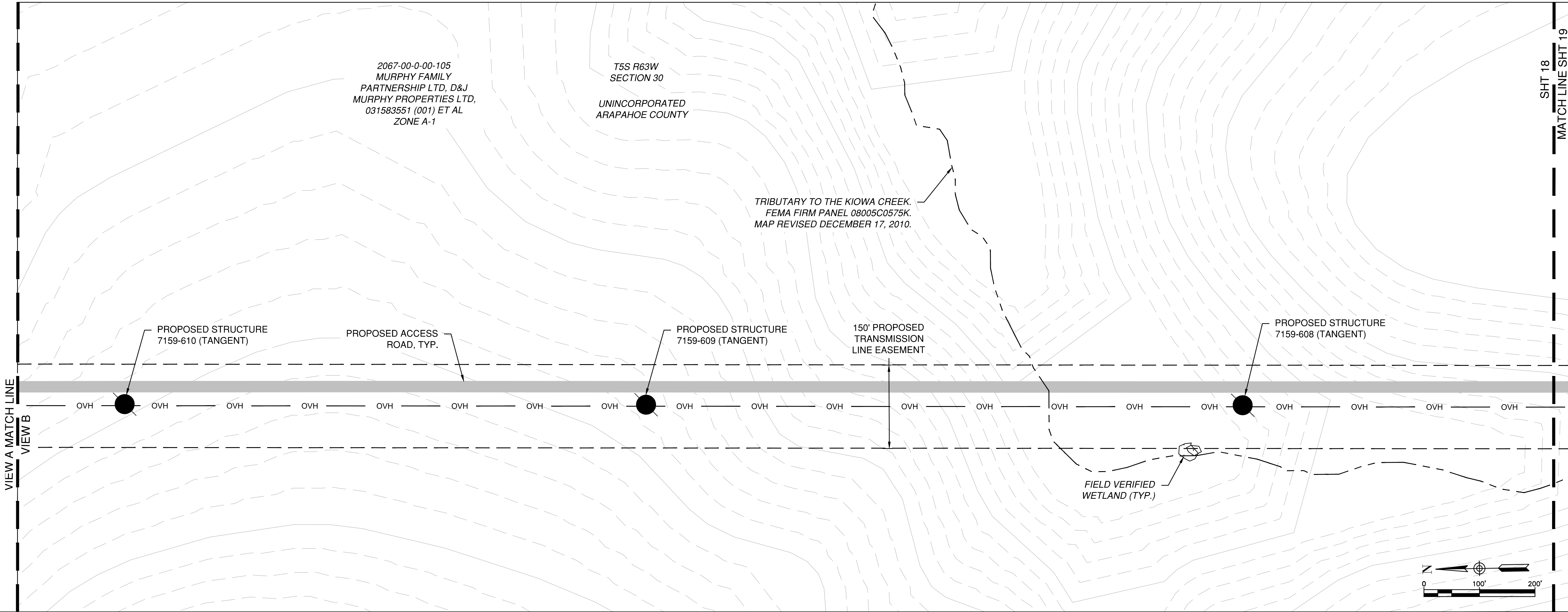
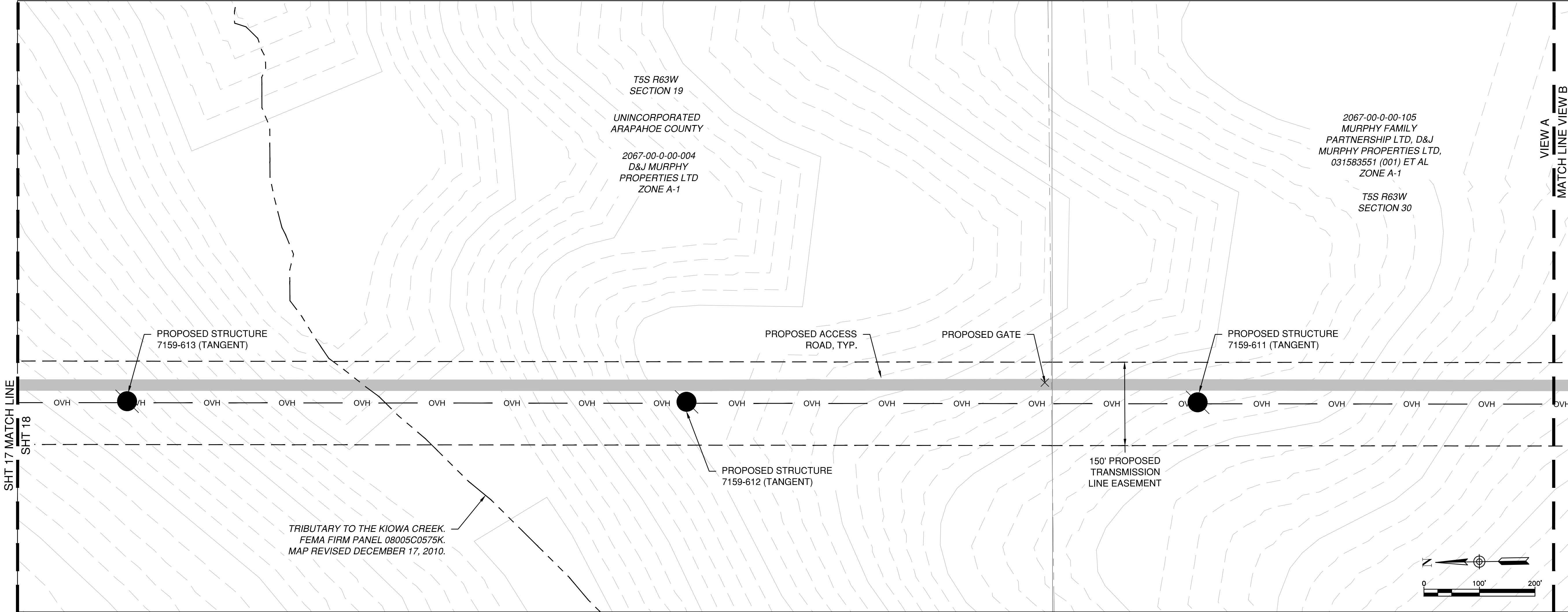
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- LEGEND
- PROPOSED EASEMENT
 - OVH
 - PROPOSED TRANSMISSION LINE
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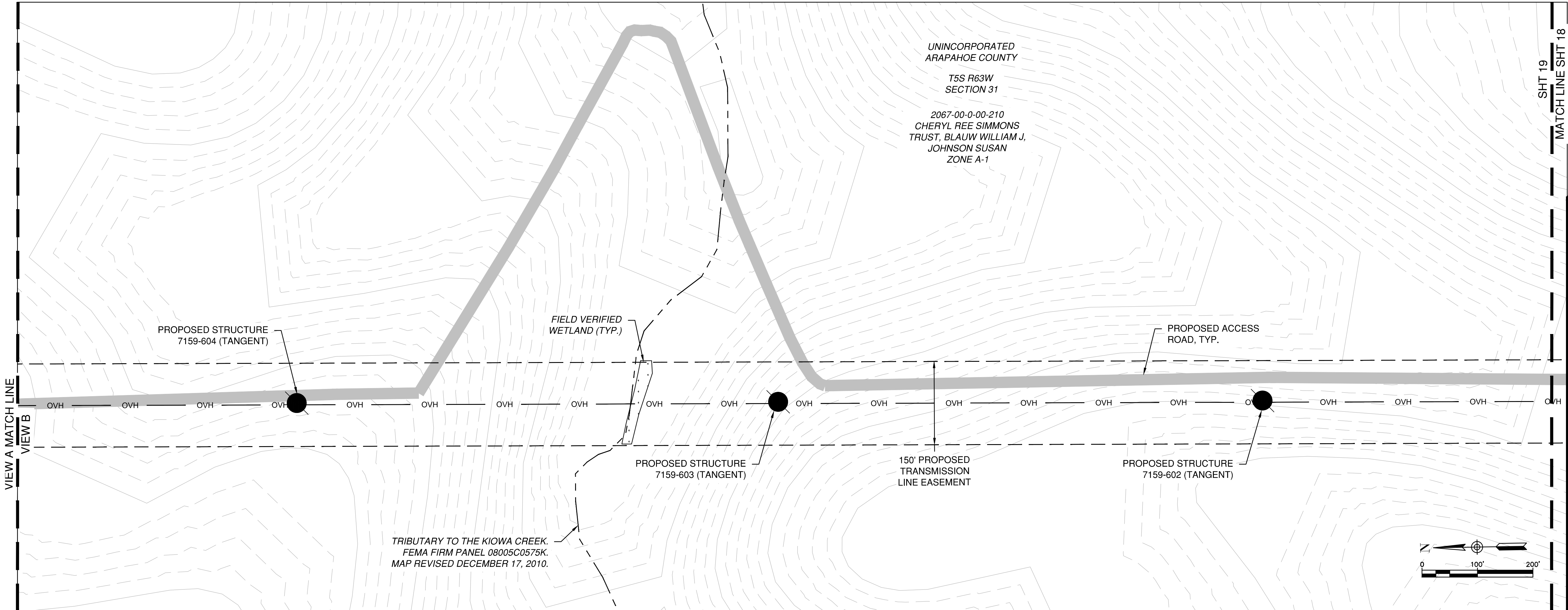
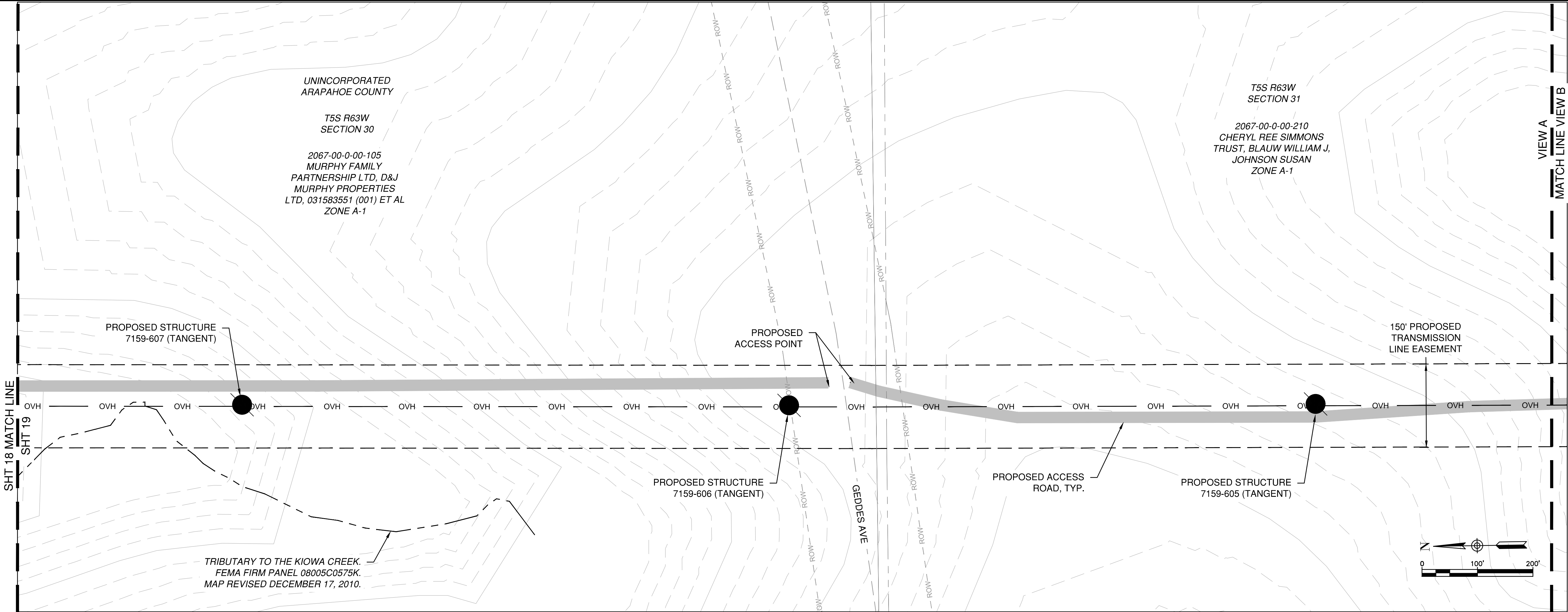
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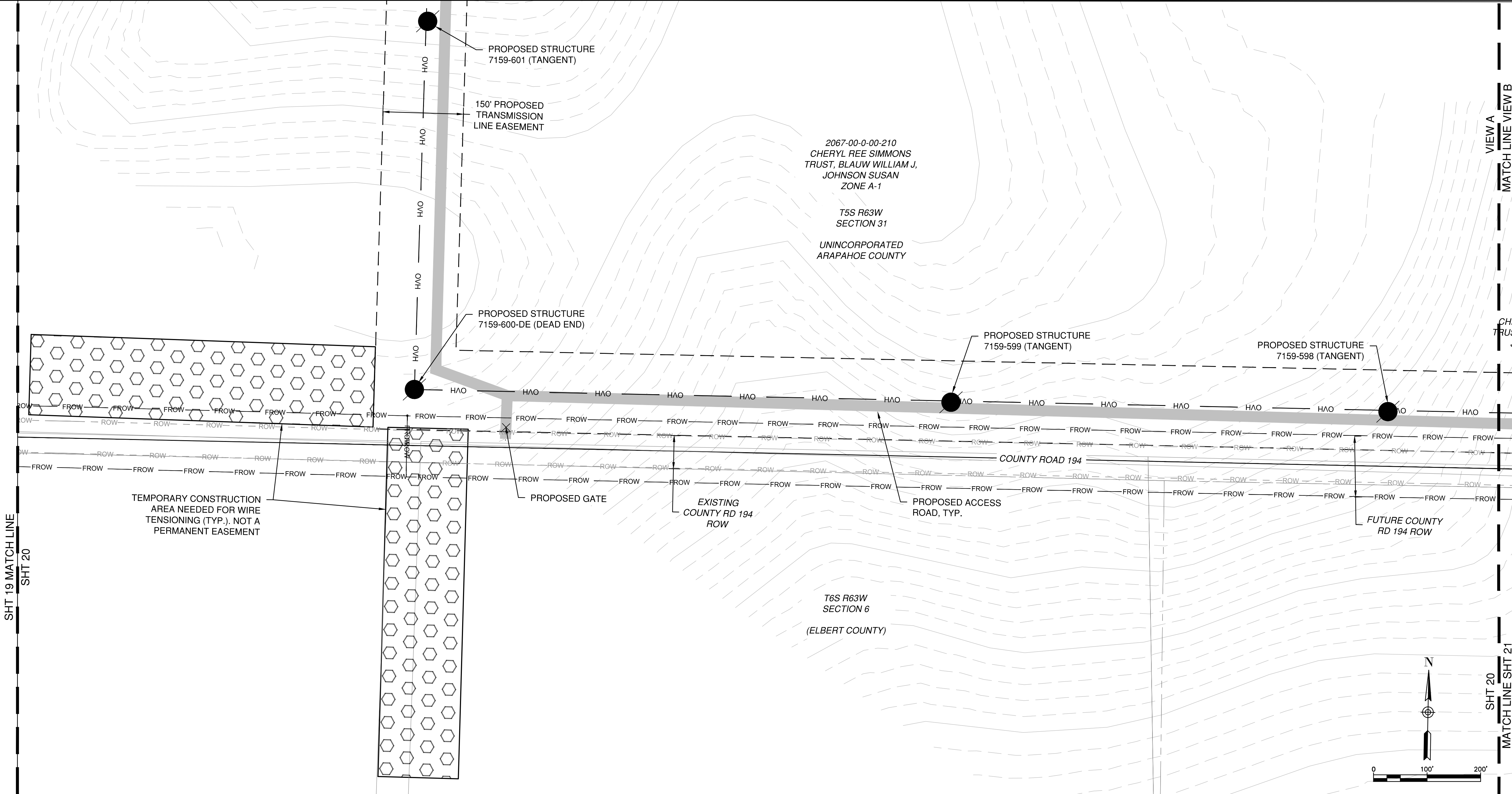
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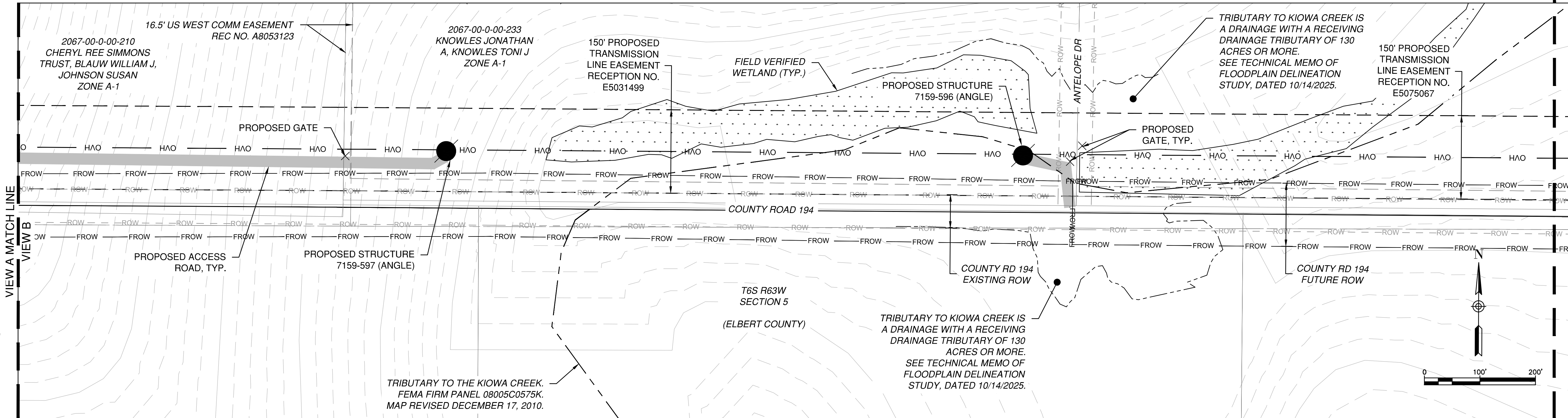


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LEGEND

- PROPOSED EASEMENT
- PROPOSED TRANSMISSION LINE
- EXISTING 10' CONTOUR
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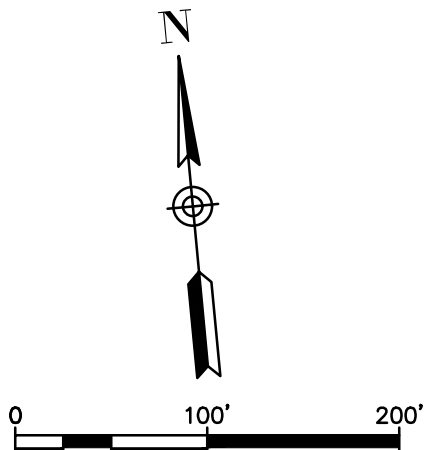
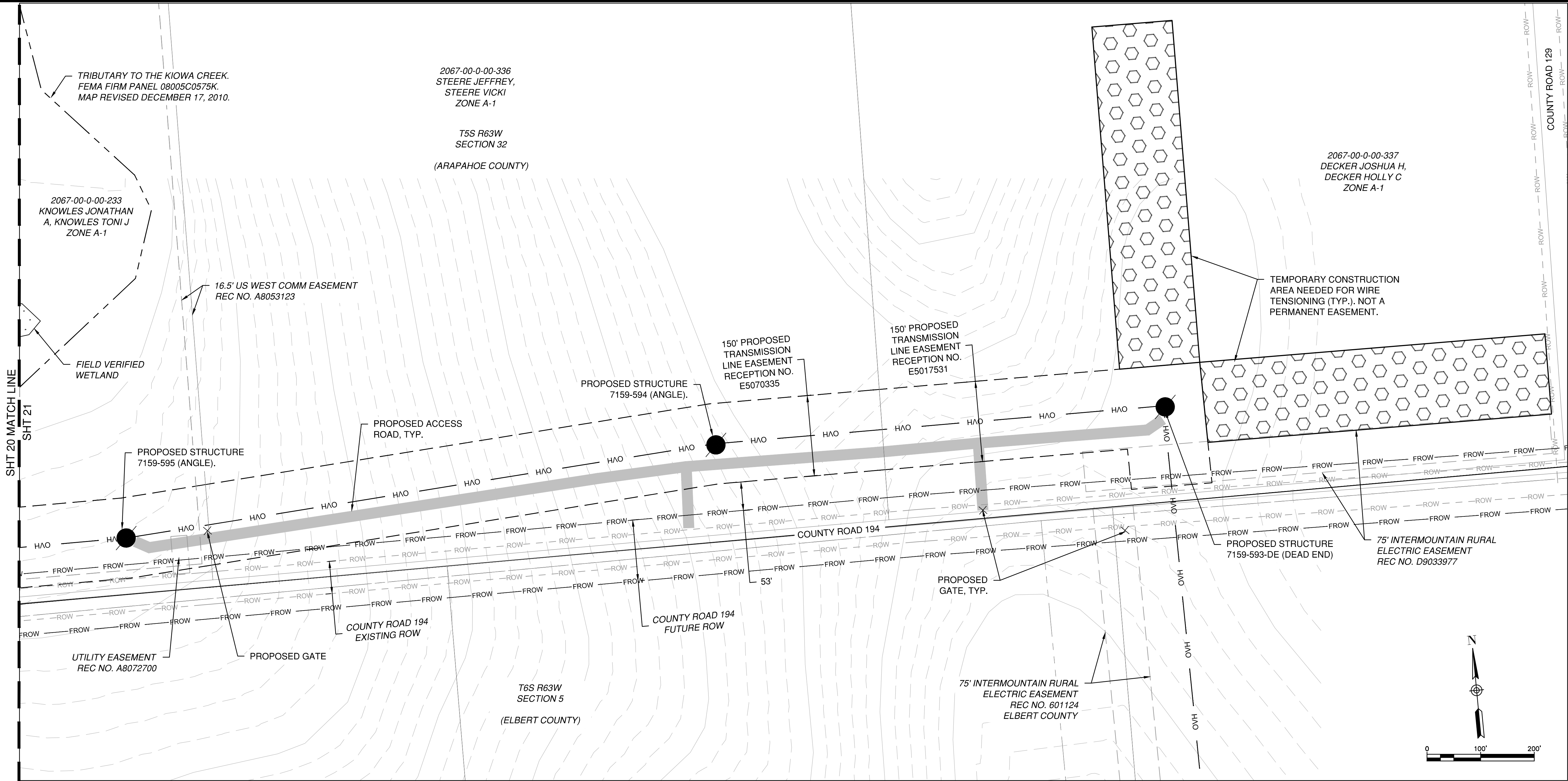


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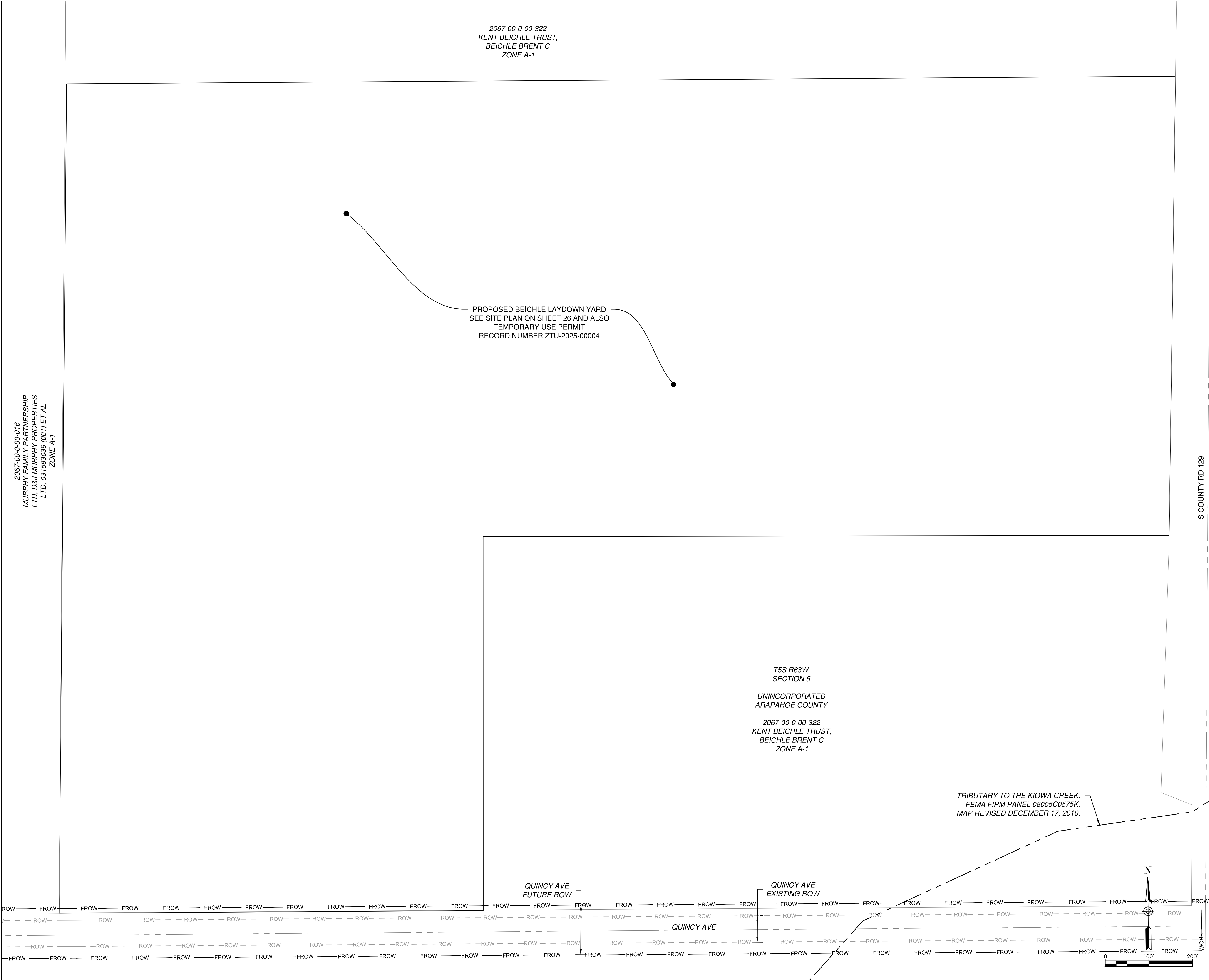


LEGEND

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ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY

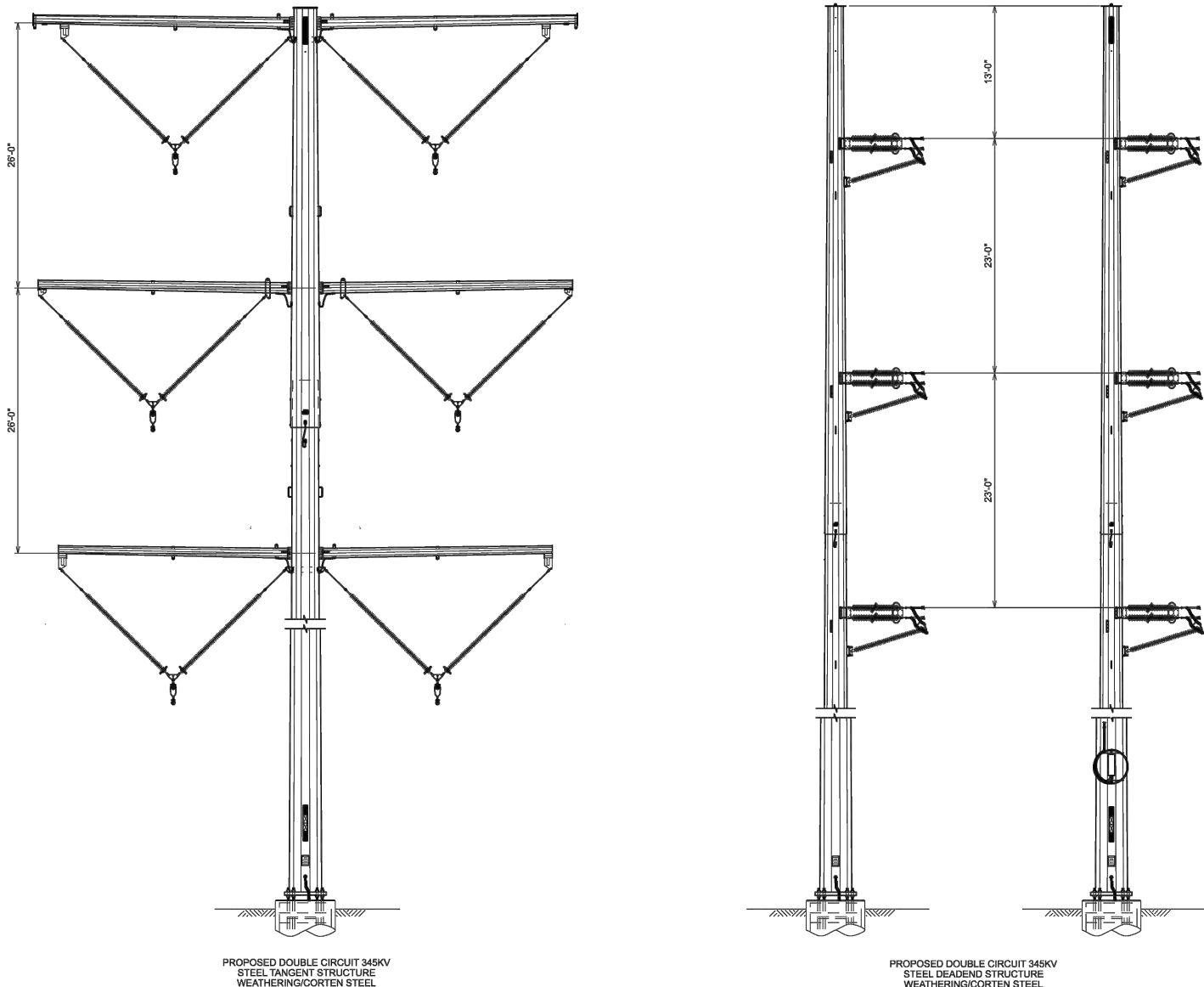
BEICHLER LAYDOWN YARD

PROJ:	194-1163-0039
DESIGN:	CAN
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CHKD:	SM

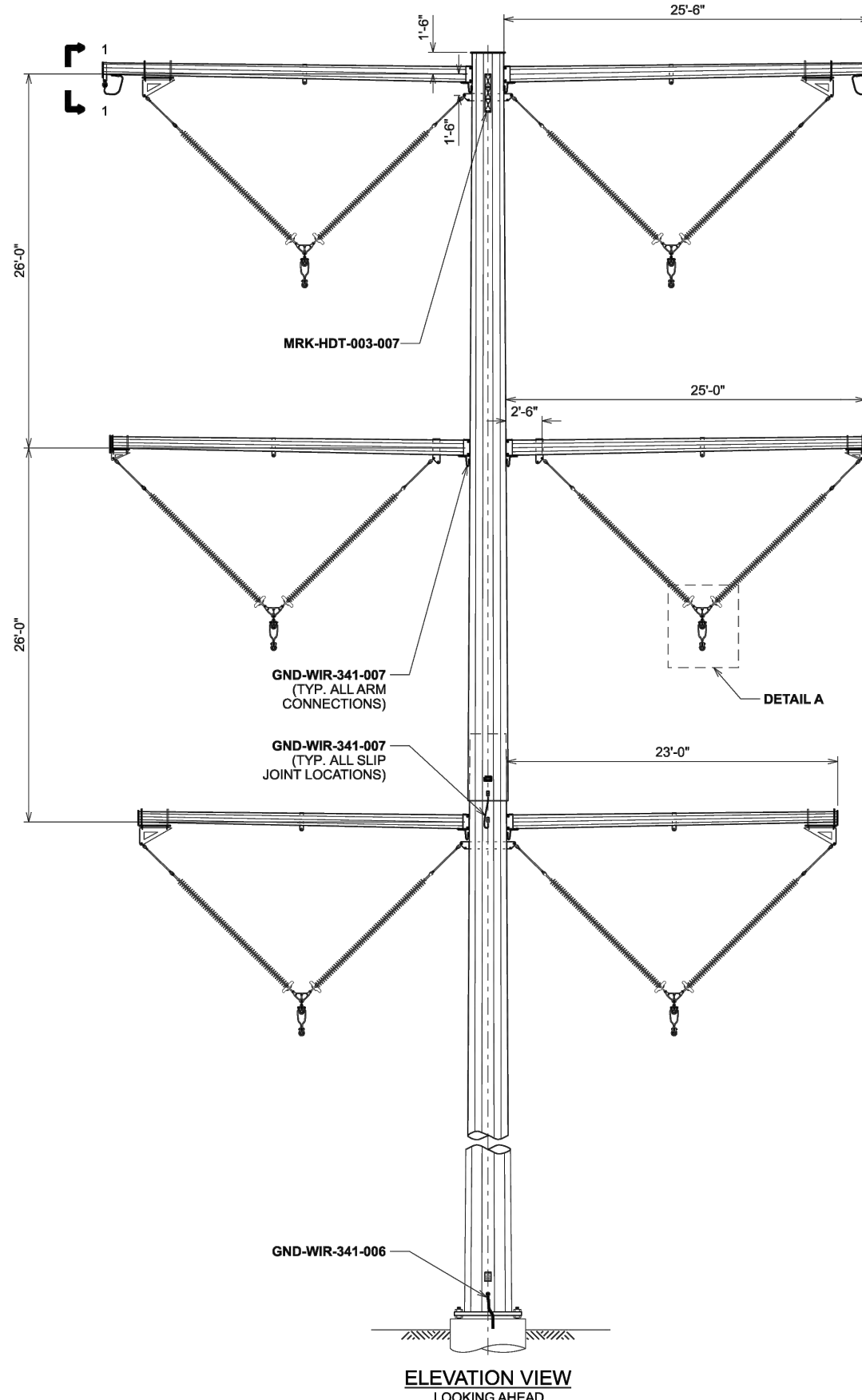
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Typical 345-kV Double Circuit Transmission Line Characteristics

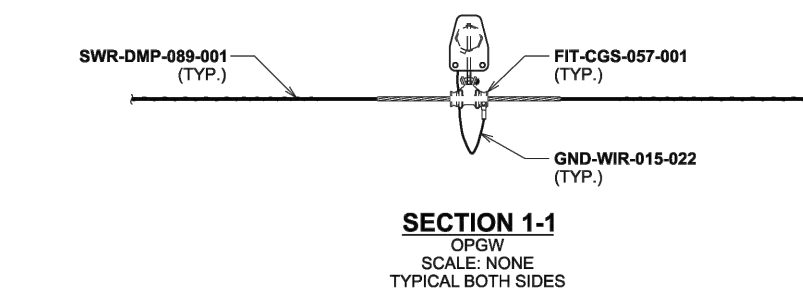
Characteristic	Anticipated Design
Typical height	105-140 feet (poles will not exceed 199-foot maximum height)
Right-of-way	150 feet total width, 75 feet on either side of the centerline
Span length	Typically 950 feet between transmission poles
Material/color	Weathering steel, brown or rust color
Clearance	Maintain all clearances as required by National Electric Safety Code



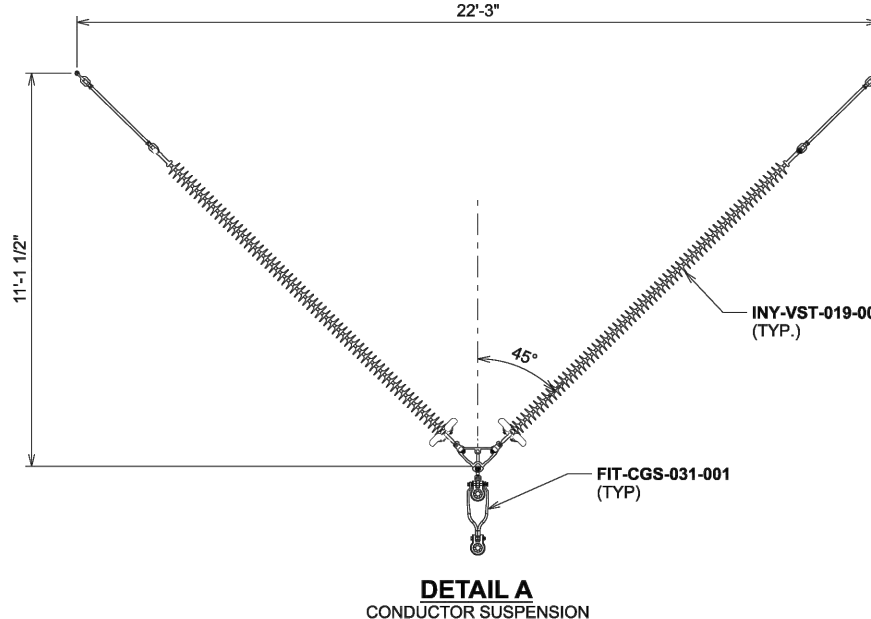
PROPOSED STRUCTURE CONFIGURATION



ELEVATION VIEW
LOOKING AHEAD



SECTION 1-1
OPGW
SCALE: NONE
TYPICAL BOTH SIDES

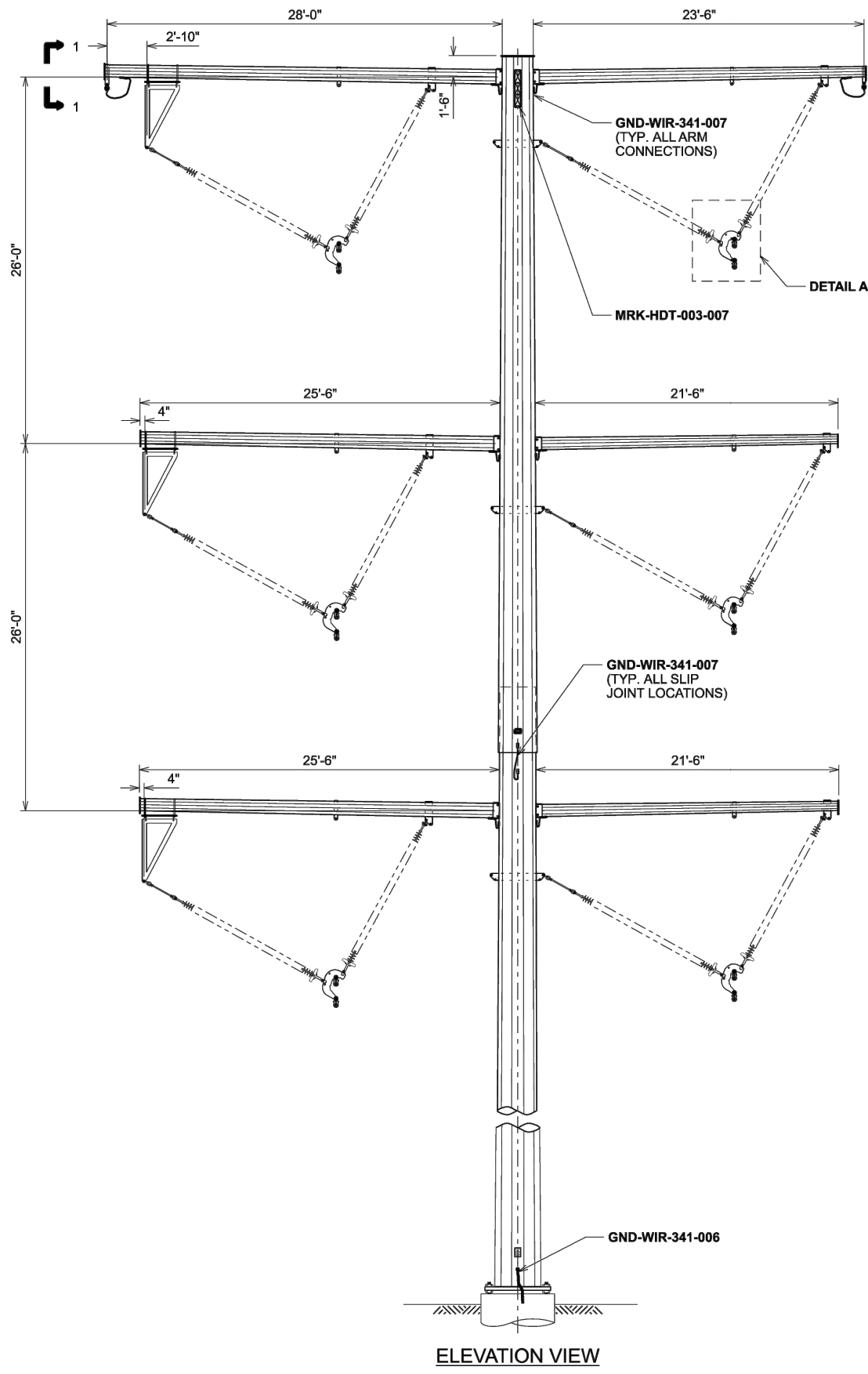


DETAIL A
CONDUCTOR SUSPENSION
SCALE: NONE

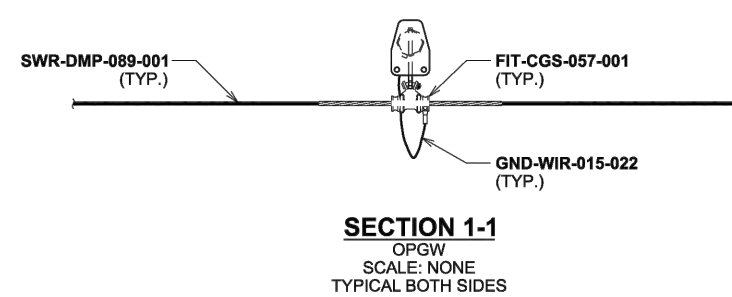
TANGENT
STRUCTURE

Structure Number	Structure Description
7159-593-DE	DE-VERT-2POLE-2CKT
7159-594	ANG-VERT-2>5DEG VST-2CKT
7159-595	ANG-VERT-5>15DEG VST-2CKT
7159-596	ANG-VERT-5>15DEG VST-2CKT
7159-597	ANG-VERT-2>5DEG VST-2CKT
7159-598	TANG-VERT-VST-2CKT
7159-599	TANG-VERT-VST-2CKT
7159-600-DE	DE-VERT-2POLE-2CKT
7159-601	TANG-VERT-VST-2CKT
7159-602	TANG-VERT-VST-2CKT
7159-603	TANG-VERT-VST-2CKT
7159-604	TANG-VERT-VST-2CKT
7159-605	TANG-VERT-VST-2CKT
7159-606	TANG-VERT-VST-2CKT
7159-607	TANG-VERT-VST-2CKT
7159-608	TANG-VERT-VST-2CKT
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7159-615	TANG-VERT-VST-2CKT
7159-616	TANG-VERT-VST-2CKT
7159-617	TANG-VERT-VST-2CKT
7159-618	TANG-VERT-VST-2CKT
7159-619	TANG-VERT-VST-2CKT
7159-620	TANG-VERT-VST-2CKT
7159-621	TANG-VERT-VST-2CKT
7159-622-DE	DE-VERT-2POLE-2CKT
7159-623-DE	DE-HORIZ-6POLE-2CKT
7159-624-DE	DE-HORIZ-6POLE-2CKT
7159-625-DE	DE-VERT-2POLE-2CKT
7159-626	TANG-VERT-VST-2CKT
7159-627	TANG-VERT-VST-2CKT
7159-628	TANG-VERT-VST-2CKT
7159-629	TANG-VERT-VST-2CKT
7159-630-DE	DE-VERT-2POLE-2CKT
7159-631	TANG-VERT-VST-2CKT
7159-632	TANG-VERT-VST-2CKT
7159-633	TANG-VERT-VST-2CKT
7159-634	TANG-VERT-VST-2CKT
7159-635	TANG-VERT-VST-2CKT
7159-636	TANG-VERT-VST-2CKT
7159-637	ANG-VERT-15>30DEG VST-2CKT
7159-638	ANG-VERT-15>30DEG VST-2CKT
7159-639	TANG-VERT-VST-2CKT
7159-640	TANG-VERT-VST-2CKT
7159-641	TANG-VERT-VST-2CKT
7159-642	ANG-VERT-5>15DEG VST-2CKT
7159-643	ANG-VERT-5>15DEG VST-2CKT
7159-644	ANG-VERT-5>15DEG VST-2CKT
7159-645	ANG-VERT-5>15DEG VST-2CKT
7159-646	ANG-VERT-5>15DEG VST-2CKT
7159-647	TANG-VERT-VST-2CKT
7159-648	TANG-VERT-VST-2CKT
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7159-650	TANG-VERT-VST-2CKT
7159-651	TANG-VERT-VST-2CKT

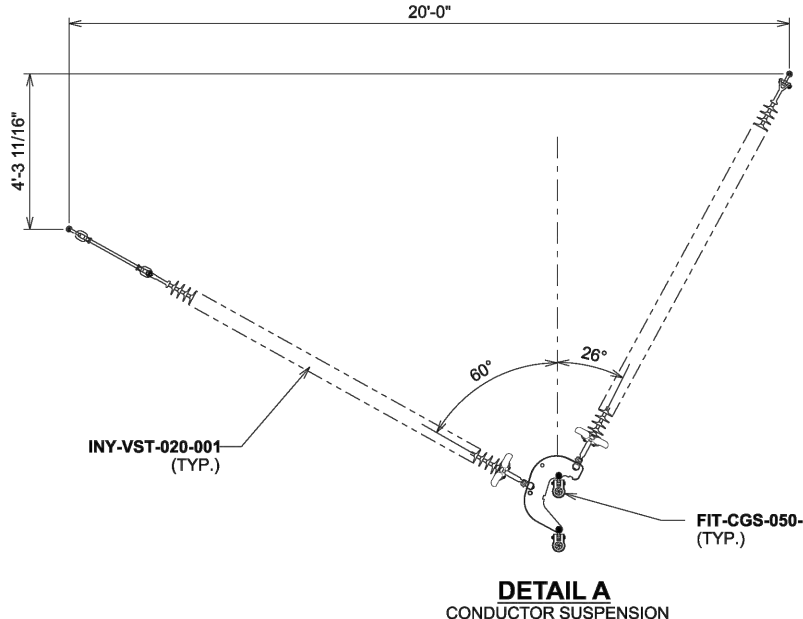
7159-652	TANG-VERT-VST-2CKT
7159-653	TANG-VERT-VST-2CKT
7159-654	ANG-VERT-5>15DEG VST-2CKT
7159-655	ANG-VERT-5>15DEG VST-2CKT
7159-656	TANG-VERT-VST-2CKT
7159-657	TANG-VERT-VST-2CKT
7159-658	TANG-VERT-VST-2CKT
7159-659-DE	DE-VERT-2POLE-2CKT
7159-660-DE	DE-VERT-2POLE-2CKT
7159-661-DE	DE-VERT-2POLE-2CKT
7159-662-DE	DE-VERT-2POLE-2CKT
7159-663	ANG-VERT-2>5DEG VST-2CKT
7159-664	ANG-VERT-2>5DEG VST-2CKT
7159-665	TANG-VERT-VST-2CKT
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7159-667	TANG-VERT-VST-2CKT
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7159-669	TANG-VERT-VST-2CKT
7159-670	TANG-VERT-VST-2CKT
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7159-672	TANG-VERT-VST-2CKT
7159-673	TANG-VERT-VST-2CKT
7159-674	TANG-VERT-VST-2CKT
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7159-694	TANG-VERT-VST-2CKT
7159-695	TANG-VERT-VST-2CKT
7159-696	TANG-VERT-VST-2CKT
7159-697	TANG-VERT-VST-2CKT
7159-698	TANG-VERT-VST-2CKT
7159-699	TANG-VERT-VST-2CKT
7159-700-DE	DE-VERT-2POLE-2CKT
7159-701-NTDE	DE-NON TERMINAL-VERT-2POLE-2CKT
7159-702-DE	DE-VERT-2POLE-2CKT
7159-HMIL-SUB	SUB



ELEVATION VIEW

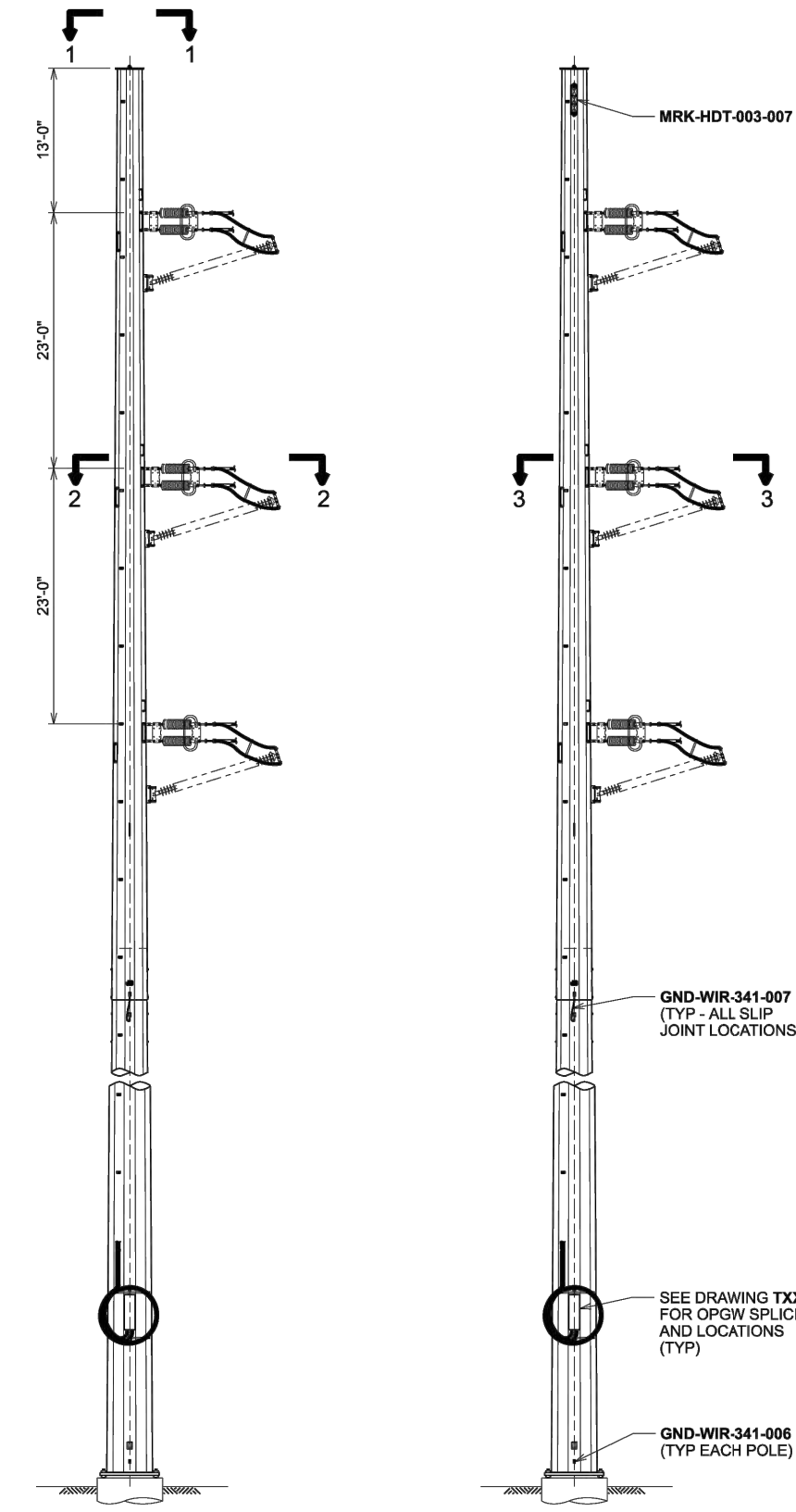


SECTION 1-1
OPGW
SCALE: NONE
TYPICAL BOTH SIDES



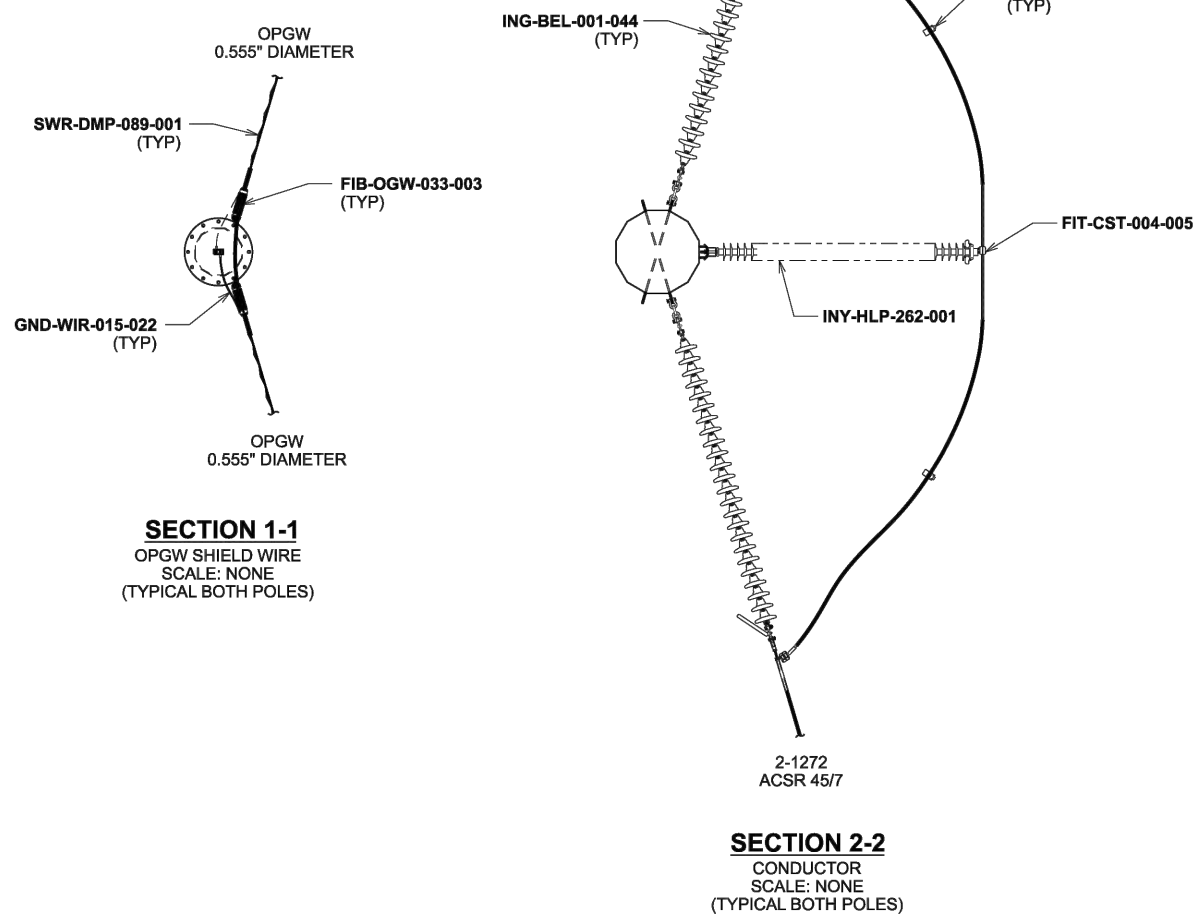
DETAIL A
CONDUCTOR SUSPENSION
SCALE: NONE

ANGLE
STRUCTURE

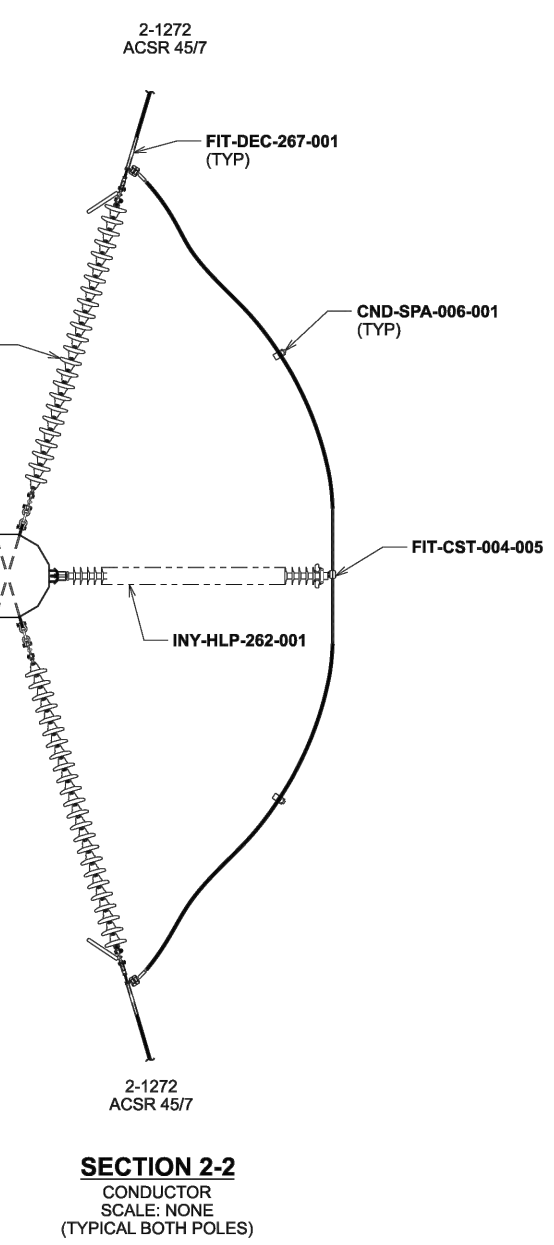


ELEVATION VIEW
SCALE: 1/16" = 1'-0"

DEADEND
STRUCTURE



SECTION 1-1
OPGW SHIELD WIRE
SCALE: NONE
TYPICAL BOTH POLES



SECTION 2-2
CONDUCTOR
SCALE: NONE
TYPICAL BOTH POLES

PERMANENT DRILL SEEDING – WETLAND SEED MIX¹

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ² /AC
SLOUGH GRASS	BECKMANNIA SYZIGACHNE	COOL	20	1,150,000	0.5
CANADIAN REED GRASS	CALAMAGROSTIS CANADENSIS	COOL	20	2,270,000	0.2
TUFTED HAIR GRASS	DESCHAMPSIA CESPIITOSA	COOL	10	2,500,000	0.1
COMMON SPIKE RUSH	ELEOCHARIS PALUSTRIS	COOL	15	620,000	0.6
BALTIC RUSH	JUNCUS BALTICUS	COOL	15	10,900,000	0.4
KNOTTED RUSH	JUNCUS NODOSUS	COOL	10	12,300,000	0.1
TORREY'S RUSH	JUNCUS TORREYI	COOL	10	12,300,000	0.1
TOTAL			100		2 LBS PLS ² /AC

¹ TO BE INSTALLED AT APPROXIMATELY 0" TO 6" ABOVE WATER LINE.

² PLS = PURE LIVE SEED PER POUND BASED 60 SEEDS PER SQUARE FOOT. IF BROADCAST SEEDING, DOUBLE THE RATE APPLIED.

PERMANENT DRILL SEEDING¹ – TRANSITION SEED MIX – WITHOUT FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ² /AC
CANADA WILDRYE	ELYMUS CANADENSIS	COOL	15	115,000	3.4
STREAMBANK WHEATGRASS	ELYMUS LANCEOLATUS SPP. PSAMMOPHILUS	COOL	15	156,000	2.5
SLENDER WHEAT GRASS	ELYMUS TRACHYCAULUS	WARM	10	159,000	1.6
BALTIC RUSH	JUNCUS BALTICUS	COOL	15	10,900,000	0.1
SWITCHGRASS	PANICUM VIRGATUM	WARM	15	389,000	1.0
WESTERN WHEATGRASS	PASCOPYRUM SMITHI	COOL	15	110,000	3.6
SAND DROPSOED	SPOROBOLUS AIROIDES	WARM	15	1,758,000	0.2
TOTAL			100		12.4 LBS PLS ² /AC

¹ TO BE INSTALLED AT APPROXIMATELY 6" TO 24" ABOVE WATER LINE.

² PLS = PURE LIVE SEED PER POUND BASED 60 SEEDS PER SQUARE FOOT. IF BROADCAST SEEDING, DOUBLE THE RATE APPLIED.

³ IF DESIRED, SHRUBS FROM THE WILLOW SHRUBLAND PLANT COMPOSITION SCHEDULE CAN BE INSTALLED IN THIS ZONE.

PERMANENT DRILL SEEDING¹ – TRANSITION SEED MIX – WITH FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ² /AC
NATIVE GRASSES					
CANADA WILDRYE	ELYMUS CANADENSIS	COOL	15	115,000	3.4
STREAMBANK WHEATGRASS	ELYMUS LANCEOLATUS SPP. PSAMMOPHILUS	COOL	15	156,000	2.5
SLENDER WHEAT GRASS	ELYMUS TRACHYCAULUS	WARM	10	159,000	1.6
BALTIC RUSH	JUNCUS BALTICUS	COOL	15	10,900,000	0.1
SWITCHGRASS	PANICUM VIRGATUM	WARM	15	389,000	1.0
WESTERN WHEATGRASS	PASCOPYRUM SMITHI	COOL	15	110,000	3.6
SAND DROPSOED	SPOROBOLUS AIROIDES	WARM	15	1,758,000	0.2



SEEDING AND MULCHING

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PERMANENT DRILL SEEDING¹ – TRANSITION SEED MIX – WITH FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ² /AC
NATIVE WILDFLOWERS					
INDIAN BLANKET FLOWER	GALLARDA ARISTATA	SUMMER--FALL	1	132,000	0.2
ROCKY MOUNTAIN IRIS	IRIS MISSOURIENSIS	SPRING--SUMMER	2	368,000	0.1
EVENING PRIMROSE	OENOTHERA ELATA	SUMMER	2	1,300,000	0.1
GOLDEN BANNER	THERMOPSIS MONTANA	SPRING	2	15,000	3.5
MEXICAN HAT	RATIBIDA COLUMNIFERA	SUMMER--FALL	1	1,230,000	0.1
SAND DROPSOED	SPOROBOLUS AIROIDES	WARM	15	1,758,000	0.2
TOTAL			100		14.4 LBS PLS ² /AC

¹ TO BE INSTALLED AT APPROXIMATELY 6" TO 24" ABOVE WATER LINE.

² PLS = PURE LIVE SEED PER POUND BASED 60 SEEDS PER SQUARE FOOT. IF BROADCAST SEEDING, DOUBLE THE RATE APPLIED.

³ IF DESIRED, SHRUBS FROM THE WILLOW SHRUBLAND PLANT COMPOSITION SCHEDULE CAN BE INSTALLED IN THIS ZONE.

PERMANENT DRILL SEEDING – UPLAND SEED¹ MIX – WITHOUT FORBS

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ² /AC
BIG BLUESTEM	ANDROPOGON GERARDII	WARM	10	130,000	2.0
SIDEOTS GRAMA	BOUTELOUA CURTIPENDULA	WARM	10	191,000	1.4
BLUE GRAMA	BOUTELOUA GRACILIS	WARM	10	825,000	0.3
CANADA WILDRYE	ELYMUS CANADENSIS	COOL	10	115,000	2.3
THICKSPIKE WHEATGRASS	ELYMUS LANCEOLATUS SPP. LANCEOLATUS	COOL	5	154,000	0.8
STREAMBANK WHEATGRASS	ELYMUS LANCEOLATUS SPP. PSAMMOPHILUS	COOL	5	156,000	0.8
SLENDER WHEAT GRASS	ELYMUS TRACHYCAULUS	WARM	10	159,000	1.6
NEEDLE AND THREAD	HESPEROSTIPA COMATA	COOL	10	115,000	2.3
WESTERN WHEATGRASS	PASCOPYRUM SMITHI	COOL	10	110,000	2.4
INDIAN GRASS	SORGHASTRUM NUTANS	WARM	10	170,000	1.5
SAND DROPSOED	SPOROBOLUS CRYPTANDRUS	WARM	10	5,298,000	0.1
TOTAL			100		15.5 LBS PLS ² /AC

¹ TO BE INSTALLED AT APPROXIMATELY 24" ABOVE WATER LINE.

² PLS = PURE LIVE SEED PER POUND BASED 60 SEEDS PER SQUARE FOOT. IF BROADCAST SEEDING, DOUBLE THE RATE APPLIED.

³ IF DESIRED, TREES AND SHRUBS FROM THE COTTONWOOD SHRUB WOODLAND COMPOSITION SCHEDULE CAN BE INSTALLED IN THIS ZONE.



SEEDING AND MULCHING

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UPLAND SEED MIX – WITH FORBS¹

SPECIES	SCIENTIFIC NAME	SEASON	% IN MIX	SEEDS/LB.	LBS PLS ² /AC
NATIVE GRASSES					
BIG BLUESTEM	ANDROPOGON GERARDII	WARM	8	130,000	1.6
SIDEOTS GRAMA	BOUTELOUA CURTIPENDULA	WARM	8	191,000	1.1
BLUE GRAMA	BOUTELOUA GRACILIS	WARM	8	825,000	0.3
CANADA WILDRYE	ELYMUS CANADENSIS	COOL	8	115,000	1.8
THICKSPIKE WHEATGRASS	ELYMUS LANCEOLATUS SPP. LANCEOLATUS	COOL	5	154,000	0.8
STREAMBANK WHEATGRASS	ELYMUS LANCEOLATUS SPP. PSAMMOPHILUS	COOL	5	156,000	0.8
SLENDER WHEAT GRASS	ELYMUS TRACHYCAULUS	WARM	10	159,000	1.6
NEEDLE AND THREAD	HESPEROSTIPA COMATA	COOL	8	115,000	1.8
WESTERN WHEATGRASS	PASCOPYRUM SMITHI	COOL	10	110,000	2.4
INDIAN GRASS	SORGHASTRUM NUTANS	WARM	10	170,000	1.5
SAND DROPSOED	SPOROBOLUS CRYPTANDRUS	WARM	10	5,298,000	0.1
NATIVE WILDFLOWERS					
BLACK-EYED SUSAN	RUDEBECKIA HIRTA	SUMMER--FALL	1	1,710,000	0.1
SULFUR FLOWER	ERIGONUM UNILATUM	FALL	2	209,000	0.3
PRAIRIE ASTER	MACHAERANTHERA TANACEIFOLIA	SUMMER	1	408,000	0.1
PURPLE PRAIRIE CLOVER	DALEA PURPUREUM	SUMMER	1	210,000	0.1
WESTERN YARROW	ACHILLEA MILEFOLIUM	SUMMER--FALL	2	2,770,000	0.1
PLAINS COREOPSIS	COREOPSIS TINCTORIA	SUMMER--FALL	1	1,400,000	0.1
INDIAN BLANKET FLOWER	GALLARDA ARISTATA	SUMMER--FALL	1	132,000	0.2
PURPLE CONEFLOWER	LECHNACEA PURPUREA	SUMMER	1	117,000	0.2
TOTAL			100		15 LBS PLS ² /AC

¹ TO BE INSTALLED AT APPROXIMATELY 24" ABOVE WATER LINE.

² PLS = PURE LIVE SEED PER POUND BASED 60 SEEDS PER SQUARE FOOT. IF BROADCAST SEEDING, DOUBLE THE RATE APPLIED.

³ IF DESIRED, TREES AND SHRUBS FROM THE COTTONWOOD SHRUB WOODLAND COMPOSITION SCHEDULE CAN BE INSTALLED IN THIS ZONE.

COMMON OR TRADE NAME	SCIENTIFIC NAME	LBS PLS/AC
OPTION 1: OATS	AVENA SATIVA	60 TO 90
OPTION 2: QUICKGARD	TRITICUM AESTIVUM X SECALE CEREALE	10 TO 40
OPTION 3: REGREEN	TRITICUM AESTIVUM X ELYTRIGIA ELONGATA	10 TO 40



SEEDING AND MULCHING

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SEEDING AND MULCHING INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - AREA OF SEEDING AND MULCHING.
 - TYPE OF SEED MIX.
- ALL BRANDS FURNISHED SHALL BE FREE FROM SUCH NOXIOUS SEEDS AS RUSSIAN OR CANADIAN THISTLE, COARSE FESCUE, EUROPEAN BINDWEED, JOHNSON GRASS, KNAF WEED AND LEAFY SPURGE.
- THE SEEDER SHALL FURNISH TO THE CONTRACTOR A SIGNED STATEMENT CERTIFYING THAT THE SEED FURNISHED IS FROM A LOT THAT HAS BEEN TESTED BY A RECOGNIZED LABORATORY, SEED WHICH HAS BECOME WET, MOLTY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE WILL NOT BE ACCEPTABLE. SEE TICKETS SHALL BE PROVIDED TO SEMSWA UPON REQUEST.
- DRILL SEEDING MIX SHALL CONFORM TO THE TABLE ON THE RIGHT, UNLESS OTHERWISE APPROVED BY SEMSWA.
- IF THE SEED AVAILABLE ON THE MARKET DOES NOT MEET THE MINIMUM PURITY AND GERMINATION PERCENTAGES SPECIFIED, THE CONTRACTOR MUST COMPENSATE FOR A LESSER PERCENTAGE OF PURITY OR GERMINATION BY FURNISHING SUFFICIENT ADDITIONAL SEED TO EQUAL THE SPECIFIED PRODUCT. THE TAGS FROM THE SEED MIXES MUST BE SUPPLIED TO CONTRACTOR AND FORWARDED TO THE SEMSWA GESC INSPECTOR.
- THE FORMULA USED FOR DETERMINING THE QUANTITY OF PURE LIVE SEED (PLS) SHALL BE (POUNDS OF SEED) X (PURITY) X (GERMINATION) = POUNDS OF PURE LIVE SEED (PLS).
- PERMANENT SEED MIX SHALL BE USED UNLESS OTHERWISE APPROVED BY SEMSWA.
- ALL AREAS TO BE SEED AND MULCHED SHALL HAVE NATIVE TOPSOIL OR APPROVED SOIL AMENDMENTS SPREAD TO A DEPTH OF AT LEAST 6 INCHES (LOOSE DEPTH). ALL DISTURBED AREAS SHALL BE LOOSENEED TO A DEPTH OF 6 INCHES PRIOR TO SPREADING TOPSOIL.
- SOIL IS TO BE THOROUGHLY LOOSENEED (TILLED) TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO SEEDING. THE TOP 6 INCHES OF THE SEED BED SHALL BE GENERALLY FREE OF ROCKS GREATER THAN 4 INCHES AN SOIL CLOSOS GREATER THAN 2 INCHES. SEEDING OVER ANY COMPACTED AREAS THAT HAVENT BEEN THOROUGHLY LOOSENEED SHALL BE REJECTED.
- SEED IS TO BE APPLIED USING A MECHANICAL DRILL TO A DEPTH OF 1/4 INCH. ROW SPACING SHALL BE NO MORE THAN 6 INCHES. MATERIAL USED FOR MULCH SHALL CONSIST OF LONG-STEMMED STRAW, AT LEA 50 PERCENT OF THE MULCH, BY WEIGHT, SHALL BE AS LONG AS POSSIBLE IN LENGTH. MULCH SHALL BE APPLIED AND MECHANICALLY ANCHORED TO A DEPTH OF AT LEAST 3 INCHES. MULCH SHALL BE APPLIED AT A RATE OF 2000 LB. OF STRAW PER ACRE.
- IF THE PERMITTEE DEMONSTRATES TO SEMSWA THAT IT IS NOT POSSIBLE TO DRILL SEED, SEED IS TO BE UNIFORMLY BROADCAST AT TWO TIMES THE DRILLED RATE, THEN LIGHTLY HARROWED TO PROVIDE A SEED DEPTH OF APPROXIMATELY 1/4 INCH, THEN ROLLED TO COMPACT, THEN MULCHED AS SPECIFIED ABOVE.
- WHEN SEEDING AND MULCHING IS USED TO STABILIZED DISTURBED AREAS, ALL DISTURBED AREAS WHICH AR EITHER FINAL GRADED, OR WILL REMAIN INACTIVE FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE REQUIRED TO BE STABILIZED WITHIN 14 DAYS OF THE COMPLETION OF THE GRADING ACTIVITIES. THIS MAY REQUIRED MULTIPLE MOBILIZATIONS FOR SEEDING AND MULCHING.
- MULCH SHALL BE APPLIED WITHIN 24-HOURS OF SEEDING.
- TACKIFIER SHALL BE UTILIZED TO HELP WITH STRAW DISPLACEMENT.

SEEDING AND MULCHING MAINTENANCE NOTES

- SEEDING AND MULCHED AREAS SHALL BE INSPECTED FOR REQUIRED COVERAGE MONTHLY UNTIL FINAL ACCEPTANCE IS ISSUED. REPAIRS AND RE-SEEDING AND MULCHING SHALL BE UNDERTAKEN AFTER THE FIRS GROWING SEASON FOR ANY AREAS FAILING TO MEET THE REQUIRED COVERAGE.
- REQUIRED COVERAGE FOR STANDARD, OPEN SPACE AND LOW GROWTH SEED MIXES SHALL BE DEFINED AS FOLLOWS:
 - 70% OF THE EXISTING/ PRE-CONSTRUCTION CONDITION.
 - FREE OF ERODED AREAS.
 - FREE FROM INFESTATION OF NOXIOUS WEEDS IN ACCORDANCE WITH THE GESC CRITERIA MANUAL.
- RILL AND GULLY EROSION SHALL BE FILLED WITH TOPSOIL PRIOR TO RESEEDING. THE RESEEDING METHOD SHALL BE APPROVED BY SEMSWA.

TEMPORARY DRILL SEEDING MIX

SPECIES	VARIETY	NOTES	% IN MIX	POUNDS OF PLS PER ACRE
SMOOTH BROMEGRASS	LINCOLN	PICS	30	3.9
INTERMEDIATE WHEATGRASS	DAHE	PICS	30	4.5
PUBESCENT WHEATGRASS	LUNA	PICS	30	4.2
ANNUAL RYEGRASS	N/A	AICB	10	0.8
		TOTAL	100	13.4

NOTES: P=PERENNIAL
A=ANNUAL
I=INTRODUCED
C=COOL SEASON
S=SOD FORMER
B=BLINDGRASS

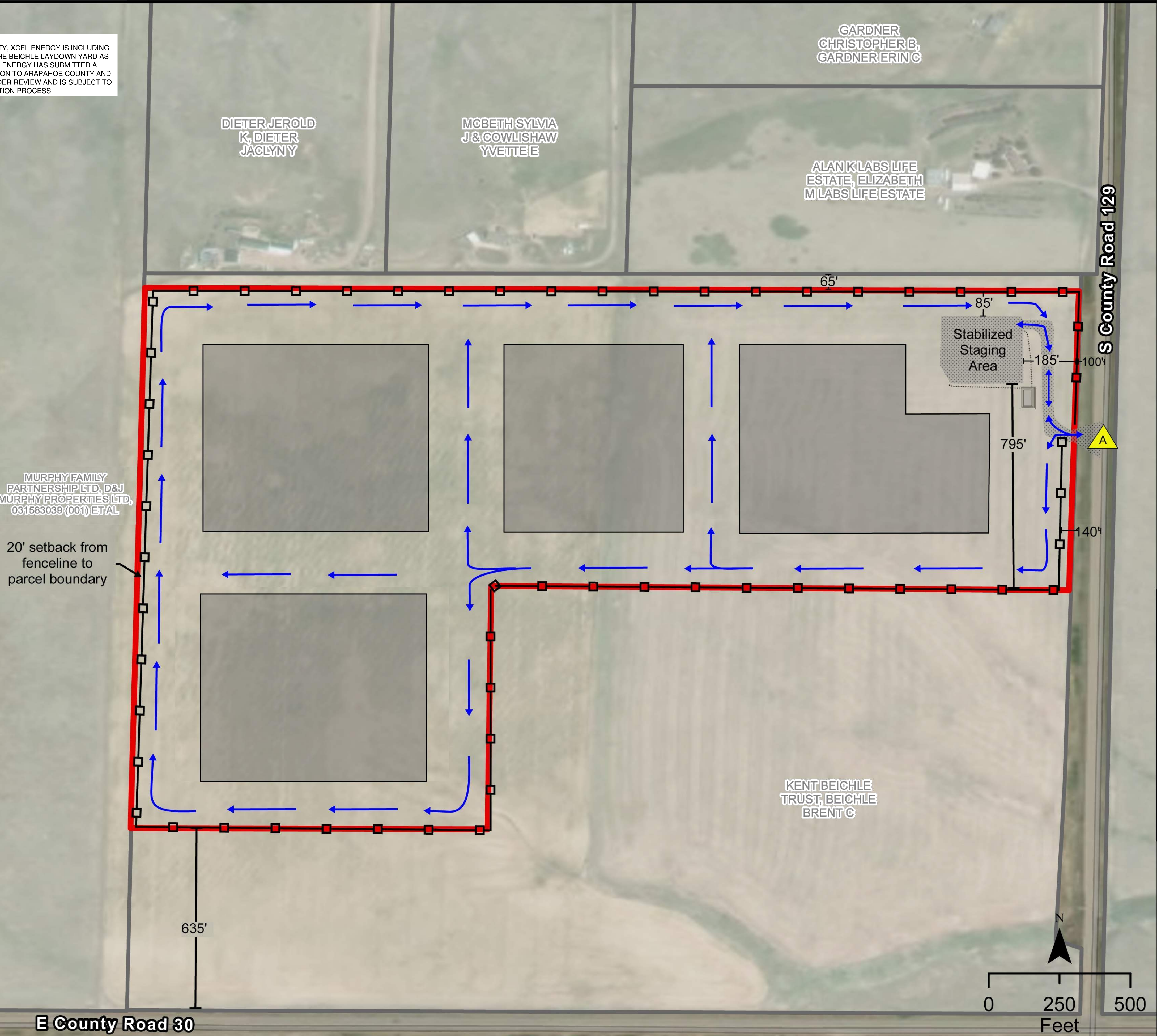


SEEDING AND MULCHING

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XCEL ENERGY - POWER PATHWAYS SEGMENT 5 BEICHLE LAYDOWN YARD SITE PLAN

NOTE:
PER REQUEST OF ARAPAHOE COUNTY, XCEL ENERGY IS INCLUDING THE PRELIMINARY SITE PLAN FOR THE BEICHLE LAYDOWN YARD AS PART OF THIS SET. NOTE THAT XCEL ENERGY HAS SUBMITTED A TEMPORARY USE PERMIT APPLICATION TO ARAPAHOE COUNTY AND THIS PRELIMINARY SITE PLAN IS UNDER REVIEW AND IS SUBJECT TO CHANGE AS PART OF THAT APPLICATION PROCESS.

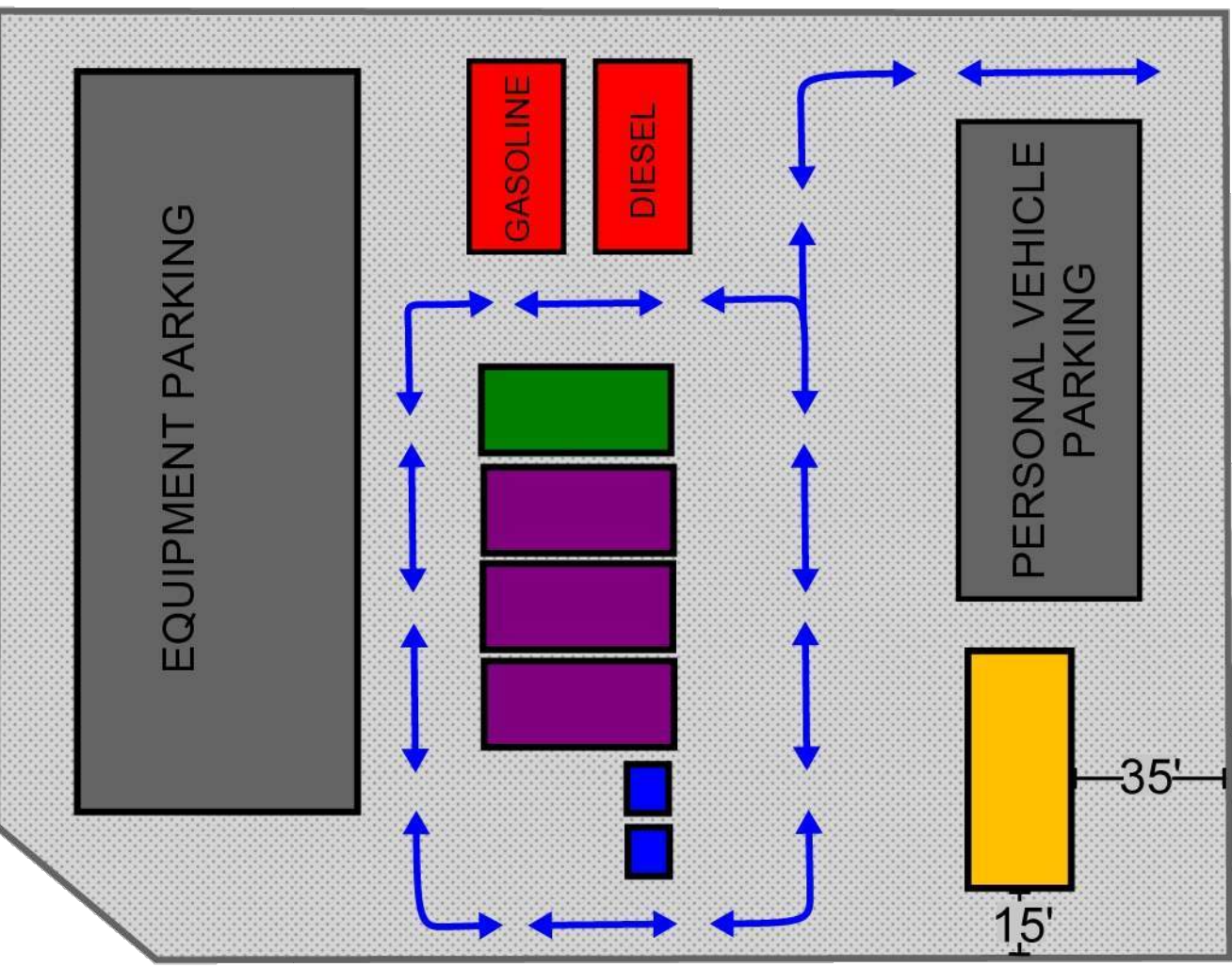


BEICHLE YARD ZONING: A-1

- Laydown Yard Boundary
- Parcel
- Temporary Security Fencing
- Access Point
- Temporary Aggregate Surfaced Access and Pad
- Material Storage Area
- Traffic Flow Pattern
- Temporary Water Quality Treatment
- Sediment Basin
- Diversion Ditch

NOTE:
No permanent lighting is planned for the laydown yard. The only lighting on-site will be a standard downward facing porch light affixed to the office trailer. This light is controlled manually via an interior switch and is not motion-activated or on a timer. It is intended solely for ingress and egress during occupied hours.

Stabilized Staging Area Proposed Layout 1 in = 120 ft



- 24 ft. x 56 ft. Office Trailer
- 1,000 gal. Fuel Tank
- Porta Unit
- 40 ft. Shipping Container
- 30 yd. Dumpster

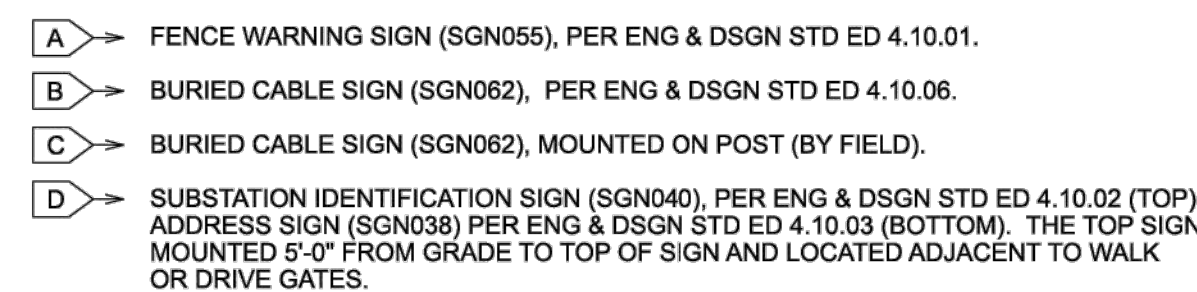
TETRA TECH



ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY
BEICHLE LAYDOWN YARD
SITE PLAN

PROJ: 194-1163-0039
DESN: CAN
DRWN: CAN
CHKD: SM

SHEET 26
OF 27



PRELIMINARY
NOT FOR CONSTRUCTION

ARAPAHOE COUNTY, COLORADO
PUBLIC SERVICE COMPANY OF COLORADO, A COLORADO
CORPORATION CONDUCTING BUSINESS AS XCEL ENERGY

HARVEST MILE SUBSTATION
GENERAL ARRANGEMENT