

FINAL PLANS FOR
PUBLIC ROADWAY IMPROVEMENTS
OLDHAM PARKWAY & PRINCETON DRIVE
LEE'S SUMMIT, MISSOURI

LEGEND

▲CTL	SURVEY CONTROL POINT	☐	TRAFFIC SIGNAL BOX
▲	SURVEY BENCHMARK	⊙	TRAFFIC SIGNAL MANHOLE
▲TBM	SURVEY TEMPORARY BENCHMARK	○—○	TRAFFIC SIGNAL POLE W/ ARM
⊠	GAS METER	☐	TRAFFIC SIGNAL POLE
☐GAR	GAS RISER	☐	TRAFFIC SIGNAL CONTROL BOX
⊙	GAS MANHOLE	☐	TRAFFIC SIGNAL PEDESTAL
☐GR	GAS REGULATOR	⊙	ELECTRIC MANHOLE
☐TP	TELEVISION PEDESTAL	☐	ELECTRIC METER
☐	FIBER BOX	☐	ELECTRIC RISER
⊙	FIBER PEDESTAL	☐	ELECTRIC BOX
☐	CABLE BOX	☐	ELECTRIC CABINET
☐	CABLE VAULT	☐	ELECTRIC JUNCTION BOX
☐	TELEPHONE PEDESTAL	○SPH	SPRINKLER HEAD
☐	STORM MANHOLE	☐SCV	SPRINKLER CONTROL VALVE
☐	STORM GRATE	⊙	WATER METER PIT
☐	SANITARY MANHOLE	⊙	FIRE HYDRANT
○YL	YARD LIGHT	☐WM	WATER METER
○LTP	LIGHT POLE	☐WV	WATER VALVE
☐	POWER POLE	○FP	FLAG POLE
☐LPPP	POWER POLE W/ LIGHT	○	SIGN
☐	GUY WIRE	⊙	BOLLARD
☐	STUMP	☐	WOOD POST
☐	BUSH	☐	STEEL POST
☐	EVERGREEN TREE	○COL	COLUMN
○	DECIDUOUS TREE	⊙	BORE HOLE

---	SECTION LINE
---	PROPERTY LINE
---	CENTER LINE
---	PROPOSED ROW LINE
---	EXISTING ROW LINE
---	UTILITY EASEMENT
---	EXISTING CONTOUR
---	EXISTING CONTOUR
---	PROPOSED MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	EXISTING TELEPHONE LINE
---	EXISTING SANITARY LINE
---	EXISTING STORM LINE
---	EXISTING GAS LINE
---	EXISTING WATER LINE
---	EXISTING CHAIN LINK FENCE
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING PIPE LINE
---	GRADING LIMITS
---	TEMPORARY CONSTRUCTION EASEMENT
---	PROPOSED UTILITY OVERHEAD EASEMENT
---	PROPOSED PERMANENT DRAINAGE EASEMENT
---	PROPOSED CHAIN LINK FENCE
---	PROPOSED WOOD PRIVACY FENCE
---	EXISTING TREELINE

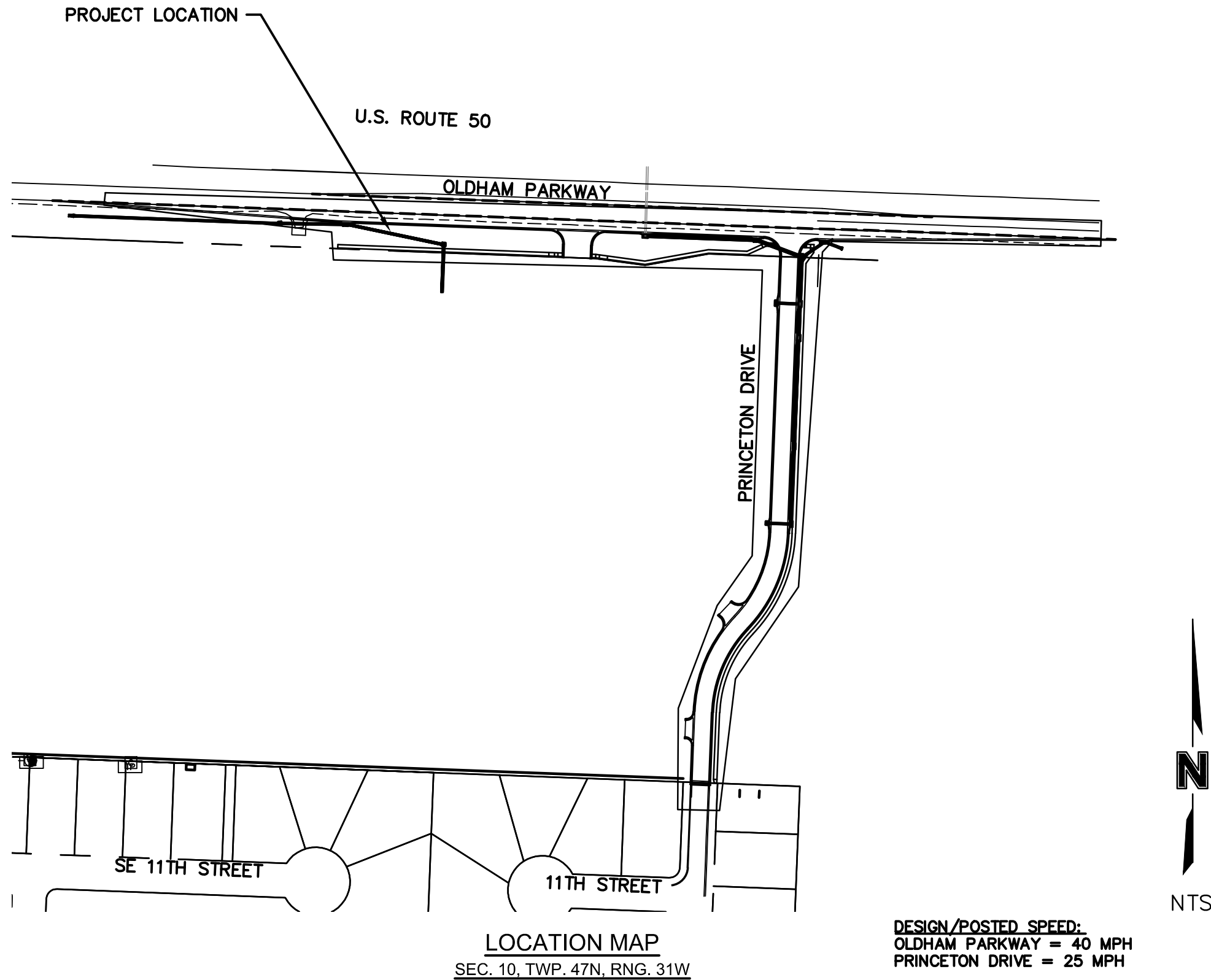
ABBREVIATION TABLE

M.G.	MATCH GRADE
BOC	BACK OF CURB
EOP	EDGE OF PAVEMENT
R/W	RIGHT-OF-WAY
D/E	DRAINAGE EASEMENT
S/E	SANITARY EASEMENT
S/W	SIDEWALK
TCE	TEMPORARY CONSTRUCTION EASEMENT
UOHE	UTILITY OVERHEAD EASEMENT
PDE	PERMANENT DRAINAGE EASEMENT
PROP.	PROPOSED
EXIST.	EXISTING
TYP.	TYPICAL
CONST.	CONSTRUCT
TBM	TEMPORARY BENCHMARK
C.P.	CONTROL POINT
D.N.D.	DO NOT DISTURB
U.I.P.	USE IN PLACE
ADJ.	ADJUST
EL.	ELEVATION
ESMT.	EASEMENT
BK.CB.	BACK OF CURB
BK.SWK.	BACK OF SIDEWALK

*PROPOSED UTILITIES

---	[ATT]	PROPOSED AT&T
---	[Fo]	PROPOSED FIBER
---	[G]	PROPOSED GAS
---	[W]	PROPOSED WATERLINE
---	[UTL OH]	PROPOSED OVERHEAD UTILITIES
---	[SL]	PROPOSED STREET LIGHT CONDUIT
---	[CC]	PROPOSED CONSOLIDATED

*The utilities as shown in this legend represent the intended construction or relocation of utilities. These plans do not take into account the construction schedule or "As-Constructed Plans" of utility construction or relocations. Therefore, the Contractor shall notify all utility agencies before beginning work and shall cooperate with them in locating and protecting their utilities. The Engineer and Owner make no guarantee as to accuracy or completeness of information shown.



DESIGN/POSTED SPEED:
OLDHAM PARKWAY = 40 MPH
PRINCETON DRIVE = 25 MPH

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PUBLIC STORM WATER

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PREPARED & SUBMITTED BY:

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RYAN B. FLEMING

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I CERTIFY THESE PLANS WERE PREPARED BY ME
OR UNDER MY IMMEDIATE PERSONAL SUPERVISION.

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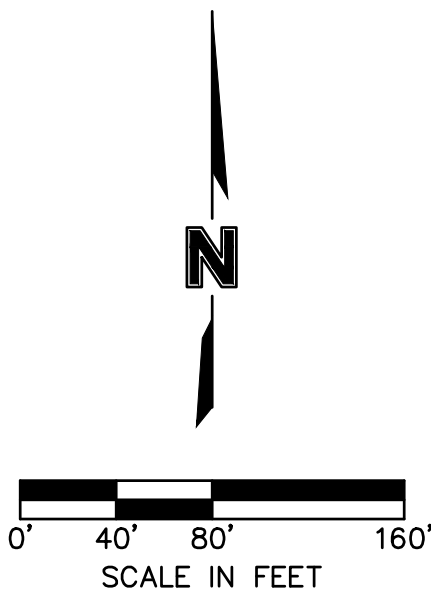
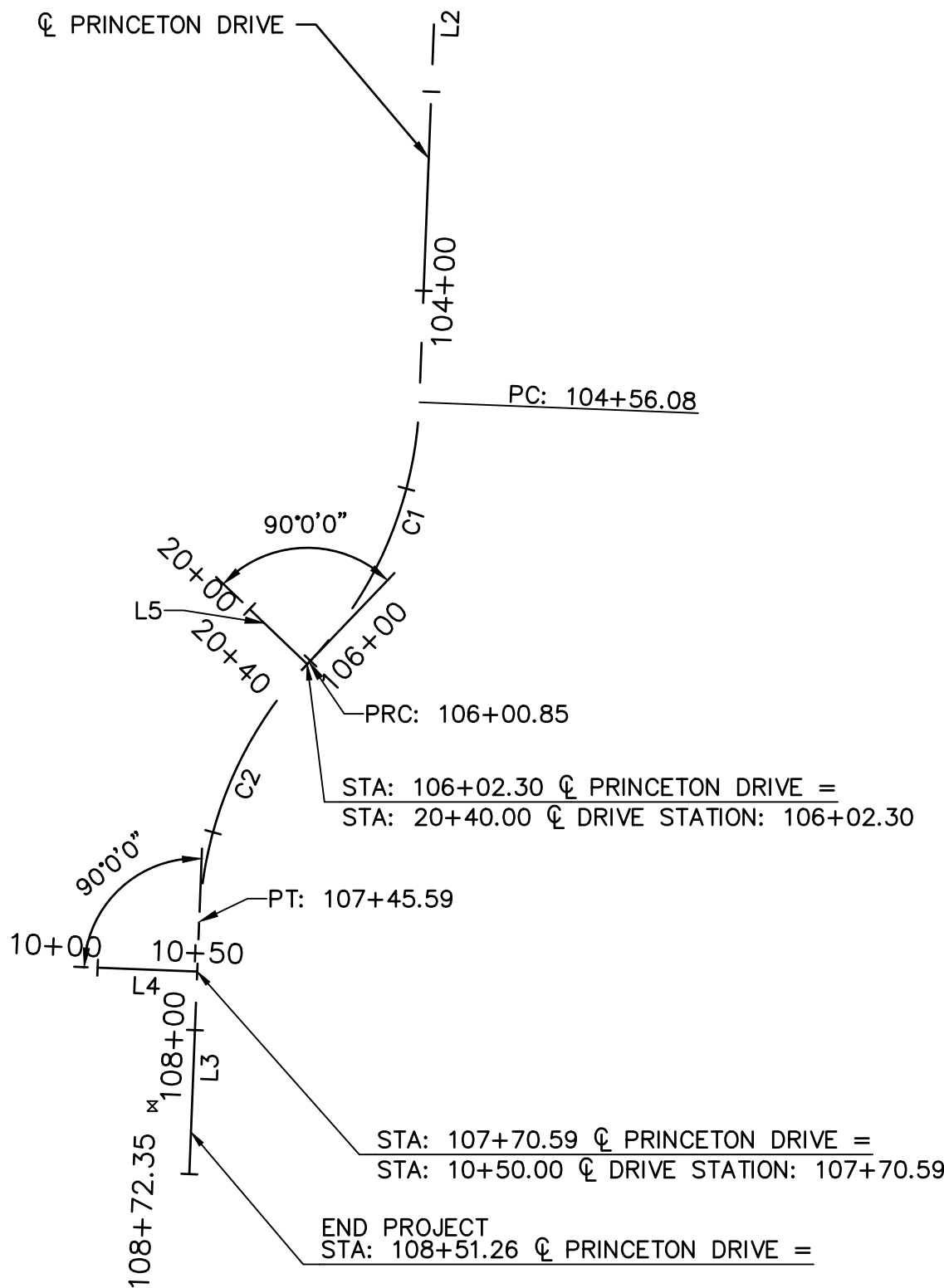
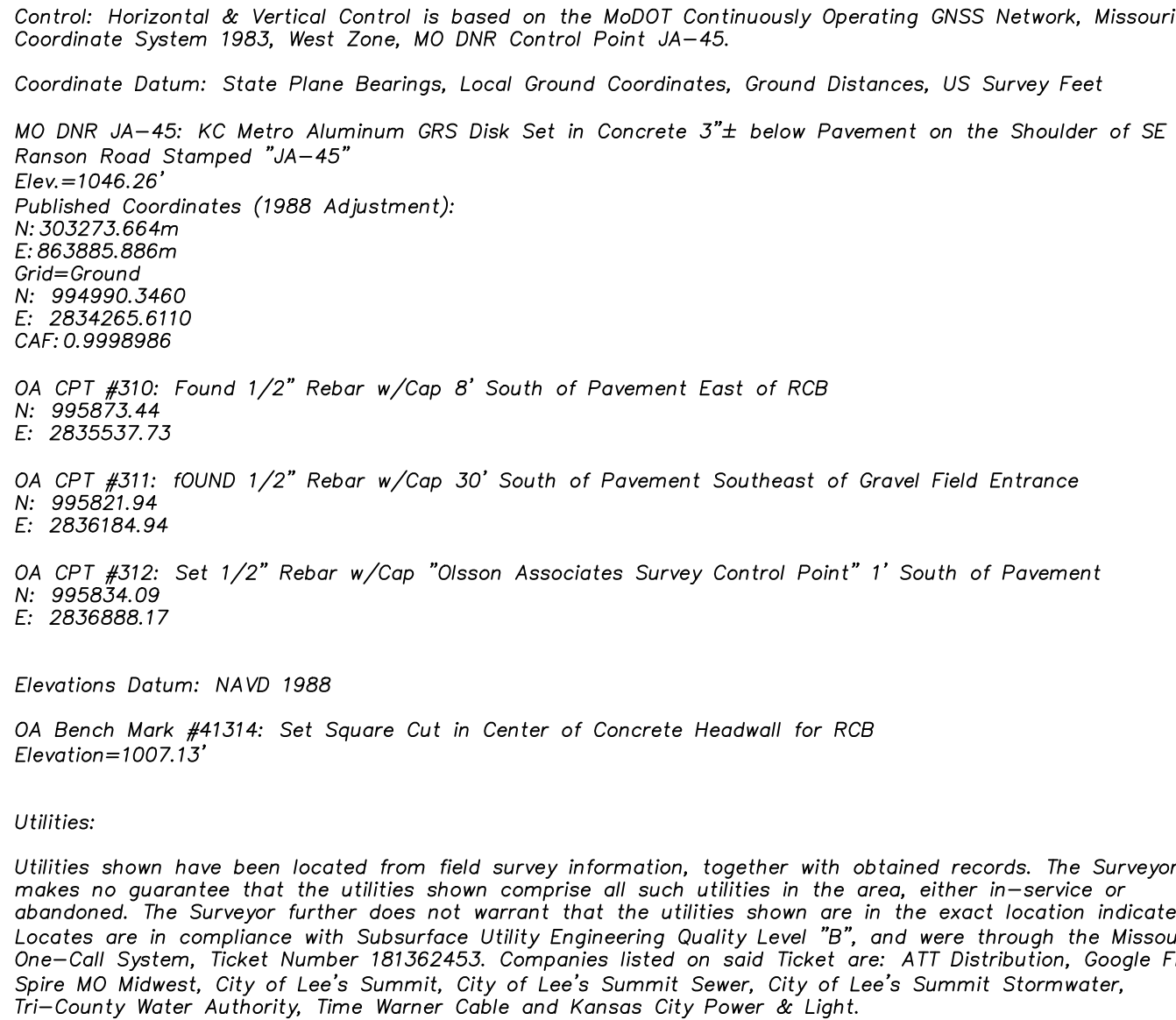


REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	07/19/2019	ENGR. REVIEW COMMENTS	

TITLE SHEET	OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	2019
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PROJECT NO.:	018-1450
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SHEET
T1 OF 70



OLDHAM PARKWAY BASELINE								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L1	10+00 28+50	N: 995897.33 E: 2835573.57	N: 995828.82 E: 2837422.30			1850.00	S87°52'39"E	

PRINCETON DRIVE								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L2	100+00 104+56.08	N: 995849.00 E: 2836877.81	N: 995393.27 E: 2836860.13			456.08	S2°13'14"W	
C1	PC 104+56.08 PT 106+00.85	PC N: 995393.27 E: 2836860.13	PT N: 995262.85 E: 2836804.89	105+31.80	N: 995317.60 E: 2836857.20	141.63	S22°57'27"W	200.00
C2	PC 106+00.85 PT 107+45.59	PC N: 995262.85 E: 2836804.89	PT N: 995132.47 E: 2836749.65	106+76.55	N: 995208.12 E: 2836752.59	141.60	S22°57'45"W	200.00
L3	107+45.59 108+72.35	N: 995132.47 E: 2836749.65	N: 995005.80 E: 2836744.72			126.77	S2°13'49"W	

DRIVE STATION: 107+70.59								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L4	10+00 10+50	N: 995109.43 E: 2836698.71	N: 995107.48 E: 2836748.68			50.00	S87°46'11"E	

DRIVE STATION: 106+02.30								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L5	20+00 20+40	N: 995289.44 E: 2836774.98	N: 995261.80 E: 2836803.89			40.00	S46°17'14"E	

DRIVE STATION: 19+95.51								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L6	30+00 30+90	N: 995770.51 E: 2836565.70	N: 995860.47 E: 2836568.40			90.00	N1°43'14"E	

FIELD ENTRANCE STA_ 15+90.15								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L7	40+00 40+60	N: 995815.52 E: 2836161.09	N: 995875.48 E: 2836163.31			60.00	N2°07'21"E	

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GENERAL NOTES FOR CAPITAL IMPROVEMENTS PROJECTS
(REV. FEBRUARY 10, 2010)

1)PRELIMINARY INFORMATION:

- a) CONSULT PARAGRAPH 6.12 OF THE EJDC GENERAL CONDITIONS (C-700) FOR A COMPLETE LIST OF RECORD DOCUMENTS THAT THE CONTRACTOR SHALL MAINTAIN ON SITE.
- b) PERMITS REQUIRED FOR THE WORK CAN BE FOUND IN SECTION 1010 OF THE GENERAL REQUIREMENTS (DIVISION 1).
- c) CONSTRUCTION OF THE WORK SHOWN OR IMPLIED BY THIS SET OF DRAWNGS SHALL NOT BE INITIATED UNLESS ALL PRELIMINARY CONTRACT OBLIGATIONS ARE MET, AND THE OWNER IS NOTIFIED OF THE INTENT TO START THE WORK. SEE SECTION 1020 OF DIVISION 1.
- d) ALL WORK SHALL BE CONFINED WITHIN THE CONSTRUCTION LIMITS OR AS OTHERWISE DIRECTED BY THE OWNER.
- e) ANY WORK PERFORMED PRIOR TO ENGINEER'S REVIEW AND APPROVAL OF THE PERTINENT SUBMITTAL WILL BE AT THE SOLE EXPENSE AND RESPONSIBILITY OF CONTRACTOR. SUBMITTAL PROCEDURES AND REQUIREMENTS CAN BE FOUND IN PARAGRAPH 6.17 OF C-700 AND SECTIONS 1115 AND 1116 OF DIVISION 1.
- f) OWNER IS DEFINED AS THE CITY OF LEE'S SUMMIT.

2)COORDINATION AND NOTIFICATIONS:

- a) ANY TIME REFERENCES LISTED IN PARAGRAPH 2 ARE TYPICAL TIMELINES. CONSULT SECTION 1105 OF DIVISION 1 FOR PROJECT SPECIFIC TIMELINES, COORDINATION AND NOTIFICATION PROCESSES.
- b) PRIOR TO ANY STREET CLOSURES, APPROPRIATE NOTIFICATIONS WILL BE DISTRIBUTED. THE CLOSURES OF ARTERIAL AND COLLECTOR STREETS WILL TYPICALLY CAUSE THE OWNER TO GENERATE A PRESS RELEASE AND DETOUR MAP. THIS IS TYPICALLY 14 CALENDAR DAYS.
- c) THE REMOVAL OF TREES, SHEDS, FENCING OR OTHER ITEMS ON PRIVATE PROPERTY ARE NOT AUTHORIZED ON THIS PROJECT. CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF ANY SUCH WORK IS PROPOSED. THE OWNER REQUIRES AT LEAST 14 CALENDAR DAYS TO NOTIFY PROPERTY OWNER RESIDENT, IN ORDER TO GIVE THEM OPPORTUNITY TO SALVAGE THESE ITEMS.
- d) PRIOR TO DRIVEWAY DEMOLITION AND RECONSTRUCTION, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE PROPERTY OWNER OR RESIDENT. THIS IS TYPICALLY 2 WORKING DAYS.
- e) PRIOR TO SHUTTING DOWN A WATER MAIN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE PROPERTY OWNER OR RESIDENT. THIS IS TYPICALLY 2 WORKING DAYS.
- f) CONTRACTOR SHALL NOT BE ALLOWED TO WORK WEEKENDS OR HOLIDAYS WITHOUT REQUESTING PRIOR APPROVAL FROM OWNER THREE WORKING DAYS IN ADVANCE.
- g) BY ORDINANCE 17-42, WORKING HOURS WITHIN THE CITY OF LEE'S SUMMIT ARE 7:00 A.M. TO 10:00 P.M. REQUESTS TO WORK BEYOND THESE HOURS MUST BE FILED WITH THE OWNER ONE WEEK IN ADVANCE.

3)SURVEY:

- a) IN ACCORDANCE WITH PARAGRAPH 4.05 OF C-700, OWNER OR ENGINEER SHALL PROVIDE ENGINEERING SURVEYS TO ESTABLISH REFERENCE POINTS FOR CONSTRUCTION WHICH IN THEIR JUDGMENT ARE NECESSARY TO ENABLE CONTRACTOR TO PERFORM THE WORK. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE WORK AND SHALL SET THOSE STAKES NECESSARY TO CONSTRUCT THIS PROJECT. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK, UNLESS LISTED IN THE BID TAB.
- b) IN ACCORDANCE WITH PARAGRAPH 4.05 OF C-700, CONTRACTOR SHALL RESET ANY PERMANENT REFERENCE POINTS, PROPERTY CORNERS AND PROPERTY MONUMENTS THAT ARE DISTURBED DURING CONSTRUCTION. THESE POINTS AND MONUMENTS SHALL BE RESET BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH STATE LAW. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK.

4)UNDERGROUND FACILITIES:

- a) INFORMATION REGARDING UNDERGROUND FACILITIES IS APPROXIMATE AND WAS COMPILED USING INFORMATION PROVIDED BY THE FACILITY OWNER. CONSULT PARAGRAPH 4.04 OF C-700 FOR FURTHER INFORMATION.
- b) UNLESS BORED, ALL UNDERGROUND UTILITIES (INCLUDING THE CONTRACTOR'S WORK) THAT CROSS UNDER PROPOSED STREET PAVEMENTS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT.

5)WATER, STORM & SANITARY SEWER:

- a) WATER CAN BE PURCHASED FROM THE CITY'S WATER UTILITIES DEPARTMENT.
- b) ALL MANHOLES, VALVE LIDS, METER LIDS, FIRE HYDRANTS AND AIR RELIEF ASSEMBLIES WITHIN THE CONSTRUCTION LIMITS SHALL BE RELOCATED OR ADJUSTED TO GRADE BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS. ALL VALVE RISERS IN PAVEMENT (WHETHER ADJUSTED, REPLACED OR PLACED) SHALL BE CAST IRON AND CONFORM TO THE SPECIFICATIONS. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK, UNLESS LISTED IN THE BID TAB.
- c) CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE FLOWS AROUND EACH SEGMENT OF PIPE THAT IS TO BE REPLACED OR REFURBISHED. CONTRACTOR SHALL HAVE ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO COMPLETE WORK ON THE PIPE SEGMENT PRIOR TO ISOLATING THE SEWER SEGMENT AND BEGINNING BYPASS PUMPING OPERATIONS. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK, UNLESS LISTED IN THE BID TAB.

6)ENVIRONMENTAL & SAFETY:

- a) CONTRACTOR SHALL USE ADEQUATE DUST CONTROL MEASURES DURING ALL PHASES OF THE WORK. CONSULT SECTION 1145 IN DIVISION 1.
- b) SILTATION AND EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL SYSTEMS, REPLACING DAMAGED OR FAILED EROSION CONTROL DEVICES AND INSPECTING THE SITE IN ORDER TO REPAIR THE EROSION CONTROL SYSTEMS WITHIN 24 HOURS AFTER A SIGNIFICATION RAIN EVENT. GRADING ADJACENT TO PAVEMENTS SHALL BE LEFT THREE INCHES BELOW THE TOP OF PAVEMENT UNTIL IMMEDIATELY BEFORE SOD OR SEED IS PLACED. EROSION AND SEDIMENT CONTROL MUST BE IN PLACE PRIOR TO THE DISTURBANCE OF THE GROUND. FIELD ADJUSTMENTS TO EROSION AND SEDIMENT CONTROL MAY BE REQUIRED DEPENDING ON THE SITE CONDITIONS.
- c) UNLESS WAIVED IN SECTION 1010, CONTRACTOR SHALL MAINTAIN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON SITE IN ACCORDANCE WITH DNR REGULATIONS.
- d) PROPERTY MAINTENANCE INFORMATION CAN BE FOUND IN SECTION 1145 OF DIVISION 1.

7) GRADING, REMOVALS & DAMAGED ITEMS:

- a) INFORMATION ON SALVAGED MATERIAL CAN BE FOUND IN SECTION 1150 OF DIVISION 1.
 - b) NO BURNING IS ALLOWED ON THE SITE.
 - c) DRIVEWAYS, PARKING LOTS, SIDEWALKS, FENCES, IRRIGATION SYSTEMS AND OTHER ITEMS DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO A CONDITION EQUAL TO OR BETTER THAN EXISTING BEFORE DAMAGE OCCURRED. UNLESS WAIVED BY OWNER, ALL ITEMS REQUIRING REPLACEMENT SHALL BE REPLACED WITH NEW MATERIALS, AND ALL MATERIALS ARE SUBJECT TO OWNER'S APPROVAL. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK, UNLESS LISTED IN THE BID TAB.
 - d) ALL FENCE REPLACEMENT SHOULD BE RELOCATED TO THE PROPERTY LINES, UNLESS THE EXISTING FENCE WAS LOCATED INSIDE OF THE PROPERTY LINES. FENCE INSIDE OF PROPERTY LINES SHOULD BE PLACED IN ITS ORIGINAL LOCATION. GATES AND FENCE CORNERS SHALL BE RE-ESTABLISHED AT THE ORIGINAL LOCATIONS, UNLESS INDICATED BY THE DRAWINGS. REMOVALS SHALL BE AS SHOWN ON THE DRAWINGS OR AS APPROVED BY OWNER. REMOVALS NOT APPROVED BY OWNER WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - e) ROOF DRAINS, UNDER DRAINS, SEPTIC LINES AND OTHER SMALL DRAINAGE LINES NOT SHOWN ON THE DRAWNGS THAT ARE UNCOVERED OR DAMAGED SHALL BE REPAIRED, AND THE POINT OF DISCHARGE SHALL BE PLACED NO CLOSER THAN FIVE FEET TO ANY ADJOINING PROPERTY LINE INCLUDING THE RIGHT-OF-WAY LINE (SECTION 16-413 OF THE CODE OF ORDINANCES). UNLESS DIRECTED BY THE CITY ENGINEER, NO DRAIN LINES SHALL BE CONNECTED TO THE STORM SEWER SYSTEM. MATERIALS AND LOCATION ARE SUBJECT TO OWNER'S APPROVAL. IF NO UNIT PRICE IS IN THE BID, THEN PAYMENT WILL BE NEGOTIATED PER THE CONTRACT DOCUMENTS.
 - f) MATERIALS THAT MAY BE CLASSIFIED AS UNSUITABLE OR REQUIRE UNDERGRADING SHALL BE DETERMINED BY THE OWNER OR THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL NOT MAKE THIS DETERMINATION.
- 8) TRAFFIC:
- a) UNLESS DIRECTED IN THE CONTRACT DOCUMENTS OR DRAWNGS, CONTRACTOR SHALL MAINTAIN TRAFFIC AND PEDESTRIAN ACCESS AT ALL TIMES.
 - b) APPROPRIATE TRAFFIC CONTROL DEVICES, SIGNAGE AND PAVEMENT MARKINGS SHALL BE ESTABLISHED AND MAINTAINED THROUGHOUT THE PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE MUTCD.

ADDITIONAL GENERAL NOTES:

1) ALL TREES TO BE GRUBBED ARE MARKED THUS "X". SPARE ALL TREES THAT ARE MARKED DND (DO NOT DISTURB) OR ANY TREES NOT MARKED AT ALL. EXCEPTIONALLY GOOD TREES SHALL BE SPARED BY ADJUSTING BACKSLOPE LINES DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ALL TREES WITHIN THE CONSTRUCTION LIMITS TO BE SAVED SHALL HAVE HEIR TRUNKS AND ROOT ZONE PHYSICALLY PROTECTED PRIOR TO CONSTRUCTION OPERATIONS BY METHODS APPROVED BY THE ENGINEER.

2) THE CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION OF ANY PORTION OF THE STORM SEWER, UNDERDRAINS, CONDUIT, AND ANY OTHER SUBSURFACE ELEMENTS OF THE PROJECT. THIS SURVEY INFORMATION SHALL BE FORWARDED TO THE ENGINEER FOR REVIEW. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION ON ANY SUBSURFACE ELEMENT ON THE PROJECT WITHOUT THE APPROVAL OF THE ENGINEER. THIS ITEM SHALL BE SUBSIDIARY TO OTHER BID ITEMS.

GENERAL NOTES

O'REILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

2019

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION	BY



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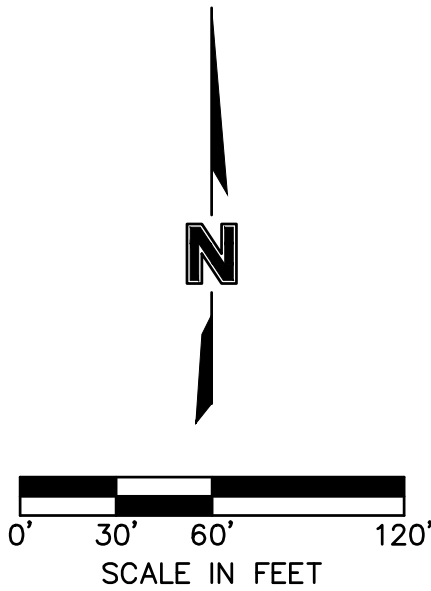
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USER: ascaavedra



- LEGEND**
- FULL DEPTH ASPHALT PAVEMENT REMOVAL
 - CURB & GUTTER REMOVAL
 - STORM REMOVAL
 - CLEARING & GRUBBING
 - SAWCUT

NOTE:
THESE DEMOLITION PLANS ARE THE ENGINEER'S BEST EFFORT TO IDENTIFY ALL ITEMS TO BE REMOVED. ADDITIONAL ITEMS FOUND DURING CONSTRUCTION WILL BE CONSIDERED SUBSIDIARY TO THE BID ITEM "DEMOLITION AND REMOVAL"

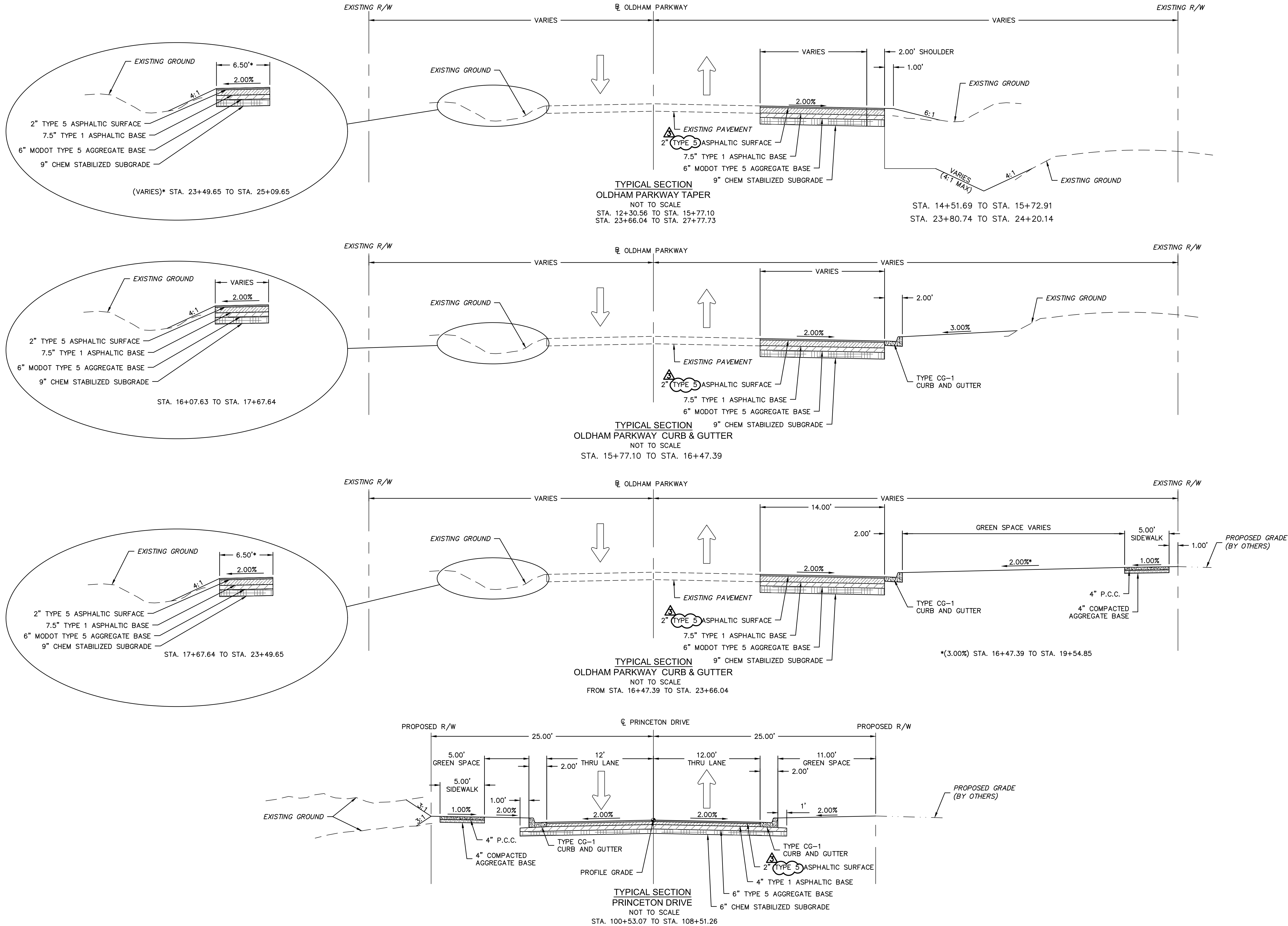


DEMOLITION & REMOVALS		REVISIONS		2019	
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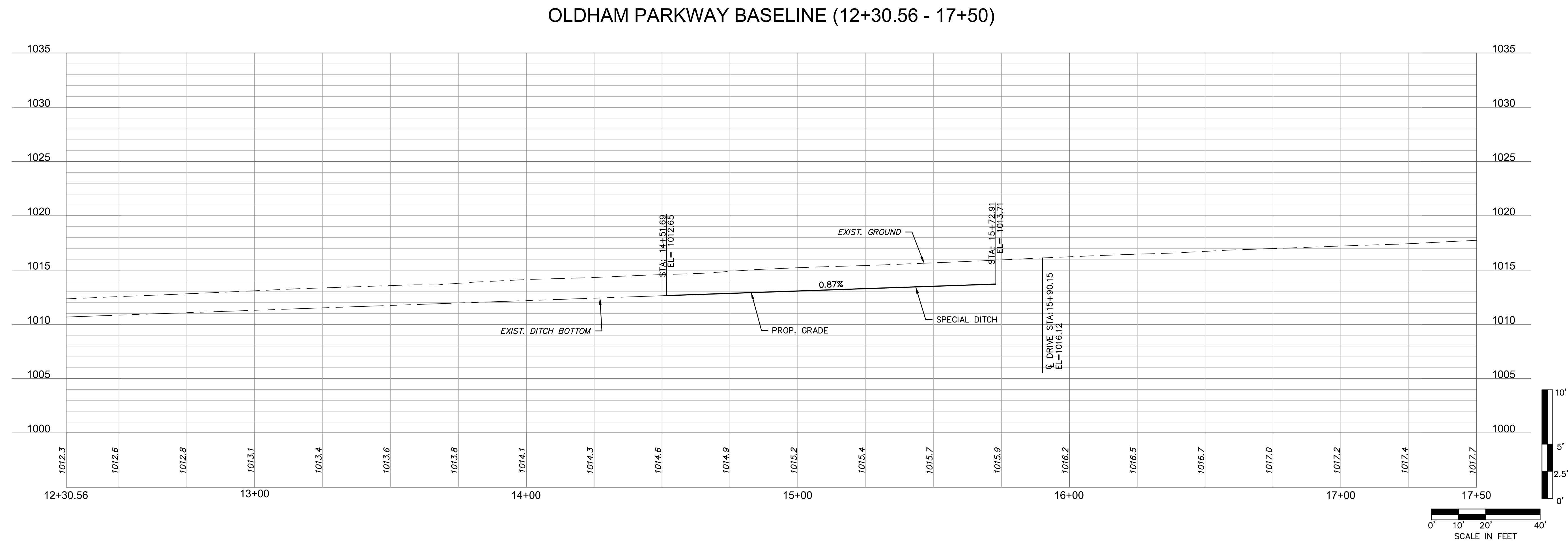
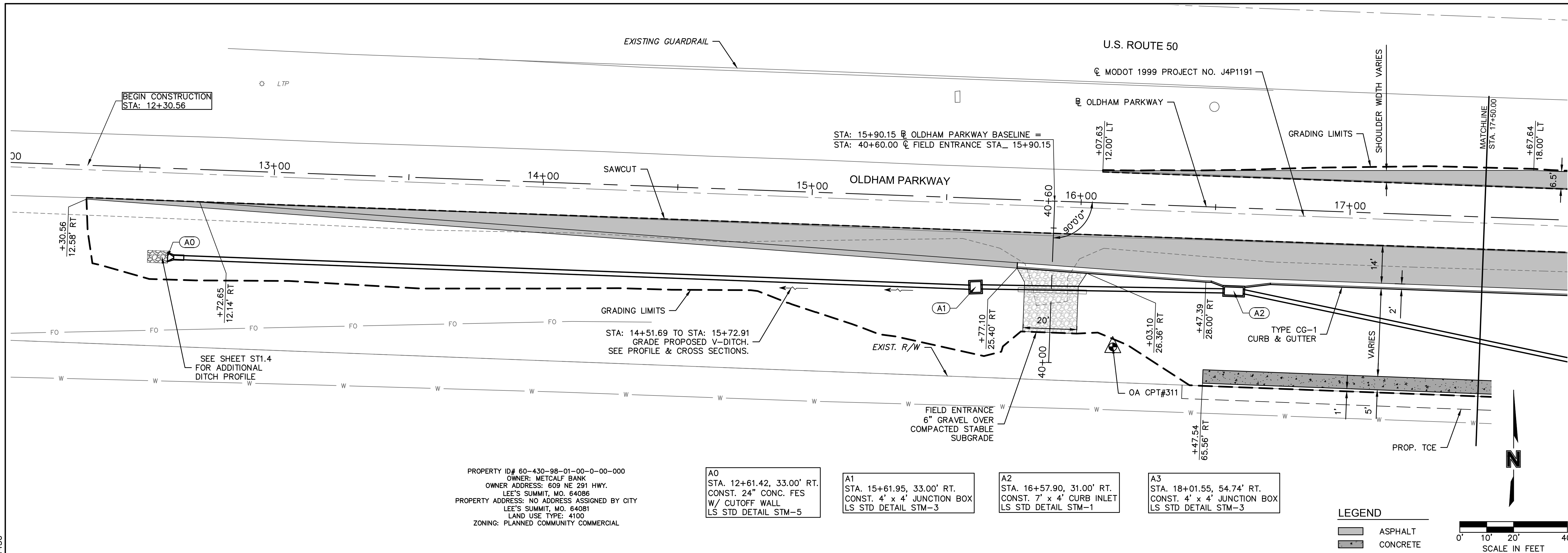
STATE OF MISSOURI
RYAN B. FLEMING
NUMBER
PE-2002003161
1-24-19
PROFESSIONAL ENGINEER

BY
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REVISIONS
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TYPICAL SECTIONS
OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS
LEE'S SUMMIT, MISSOURI

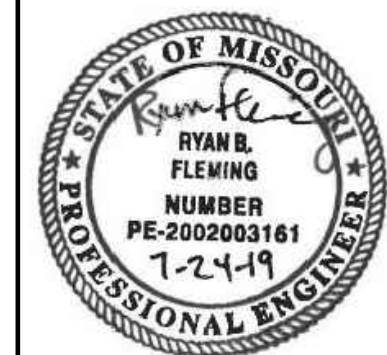
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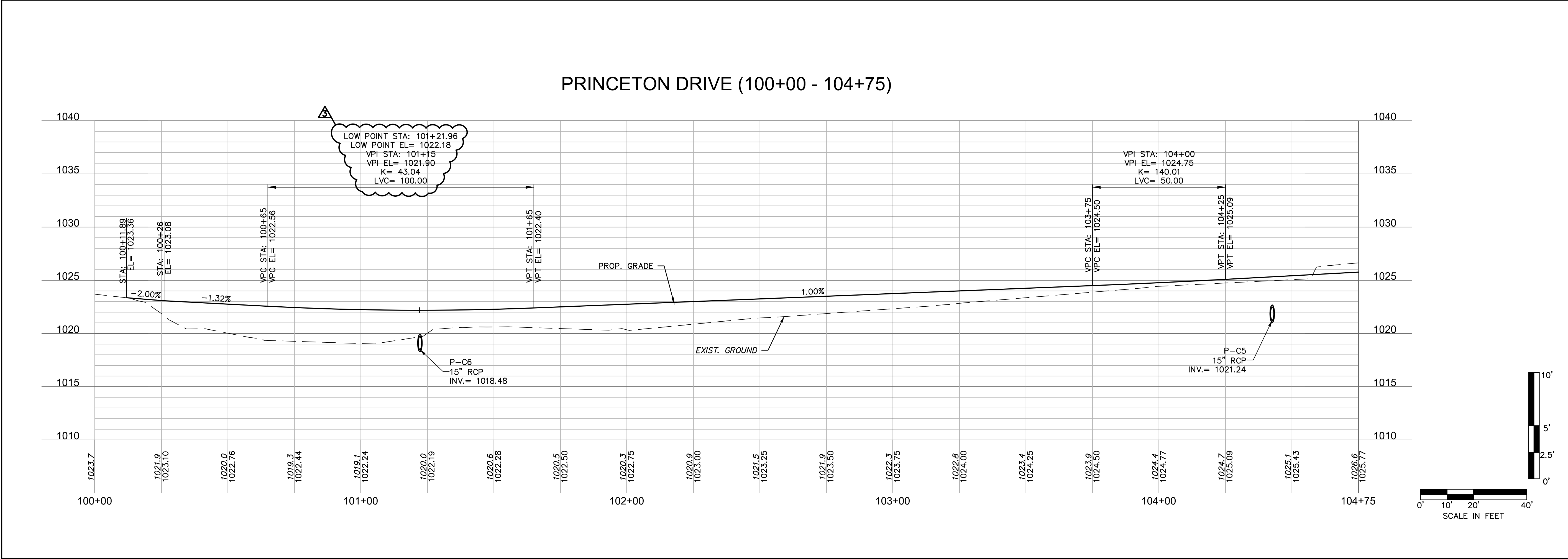
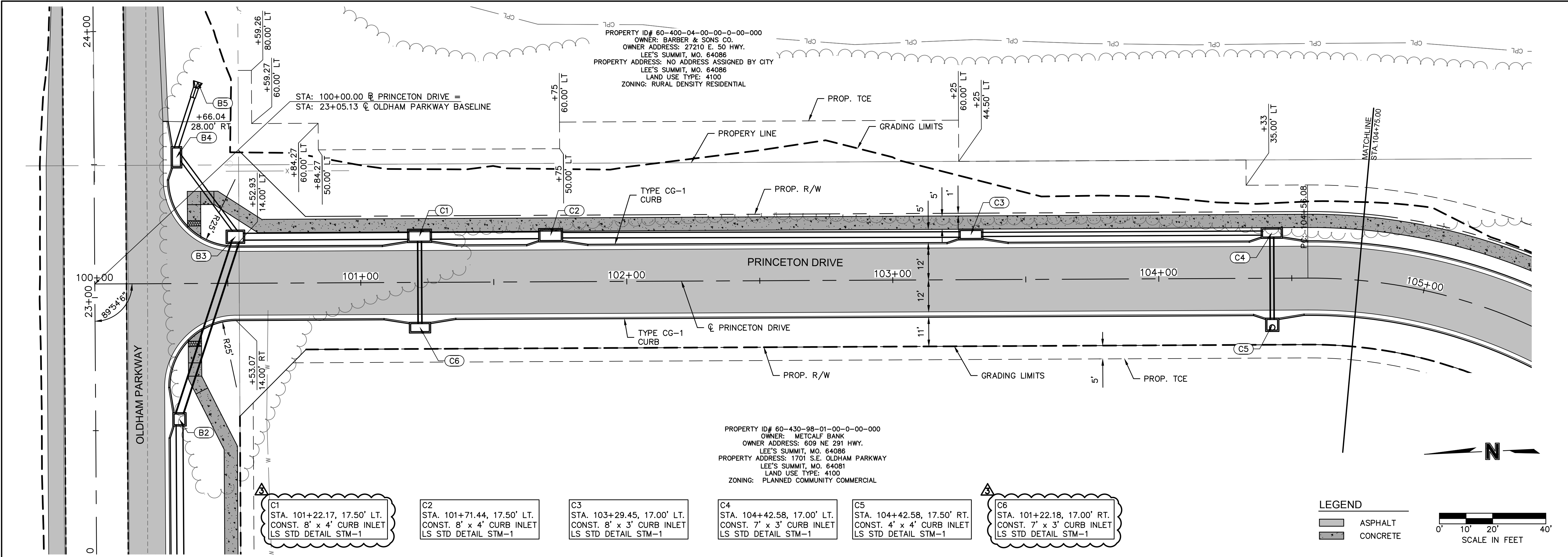
OLDHAM PARKWAY PLAN & PROFILE	
OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2017

C.O.A. NO.: 001592
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_RPP01_81450
DATE: 07.19.19

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T7 OF 70

USER: osocovedra

DWG: F:\2018\1001-1500\018-1450\40-Design\AutoCAD\Final Plans\Sheets\RD\BR\PLAN & PROFILES\T_RPP04_81450.dwg
DATE: Jul 25, 2019 9:23am XREFS: t_patt_81450 v_topo_81450 t_ptblk_81450



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STATE OF MISSOURI
RYAN B. FLEMING
NUMBER
PE-200203161
1-24-19
PROFESSIONAL ENGINEER

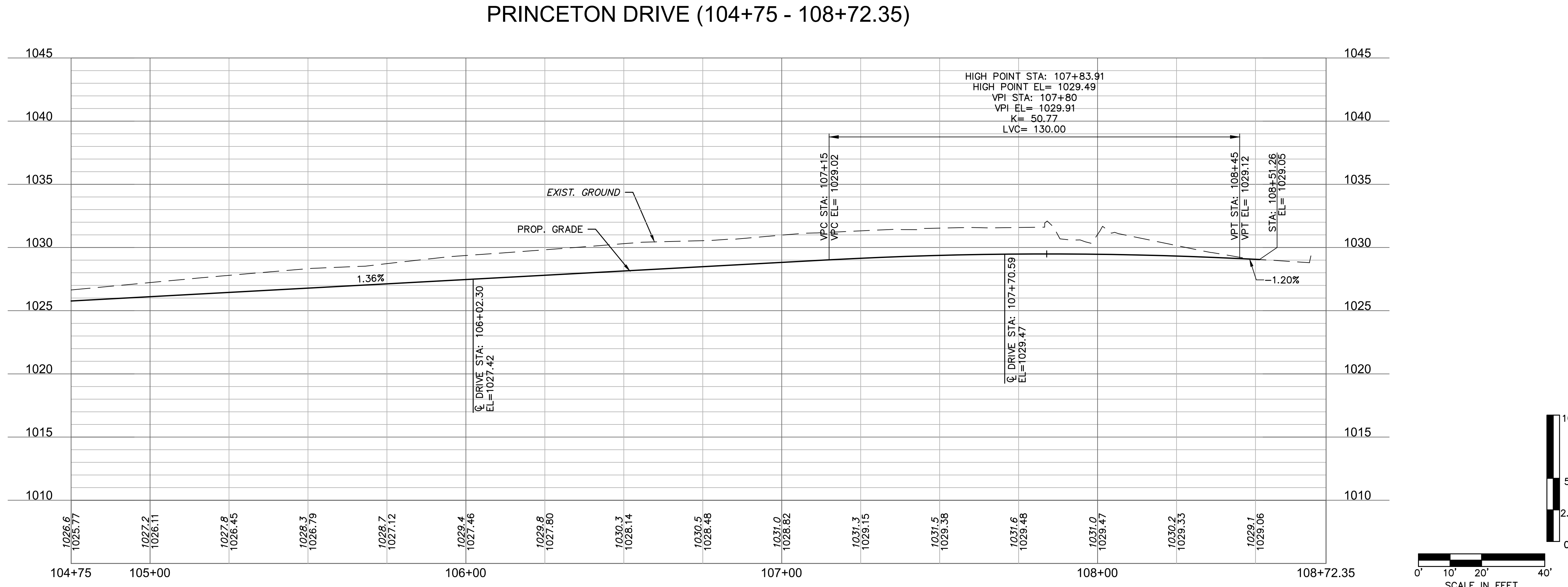
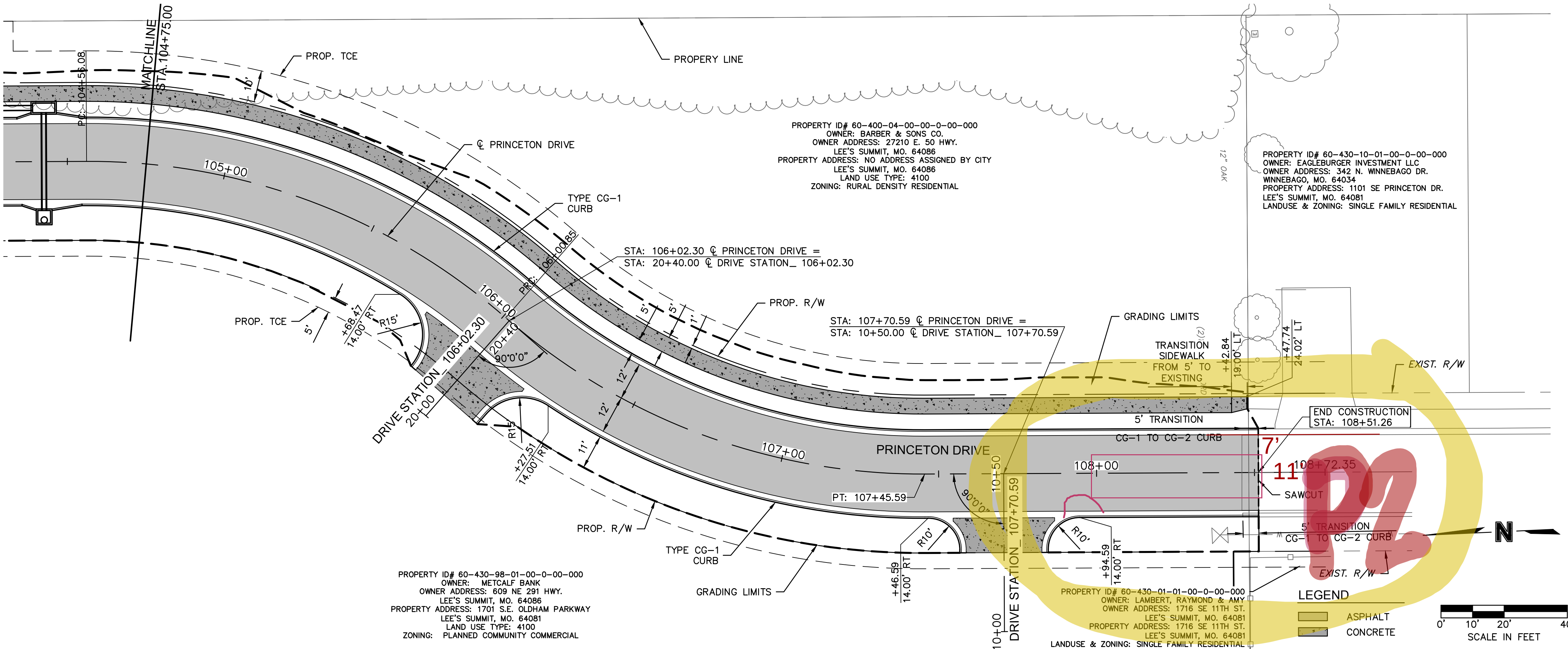
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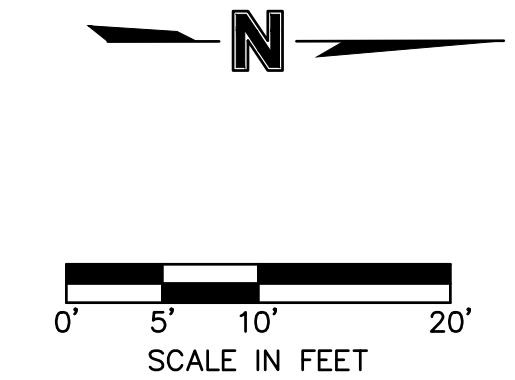
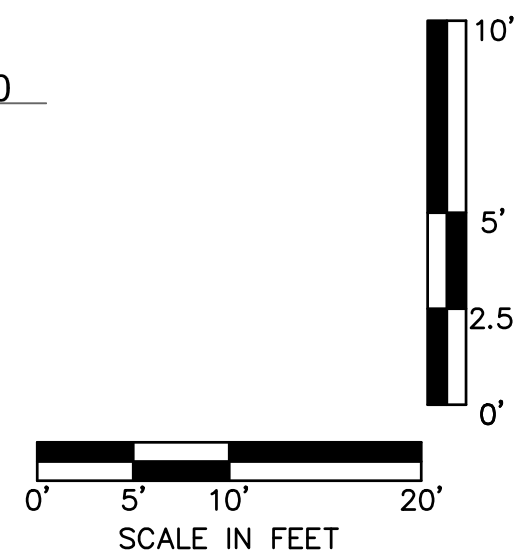
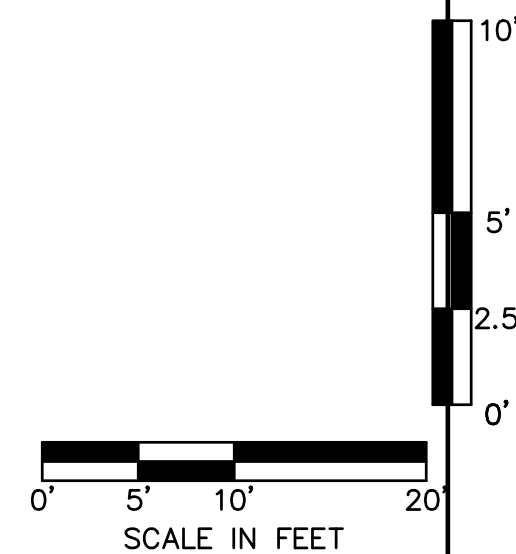
PRINCETON DRIVE PLAN & PROFILE		2019
OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS		
LEE'S SUMMIT, MISSOURI		

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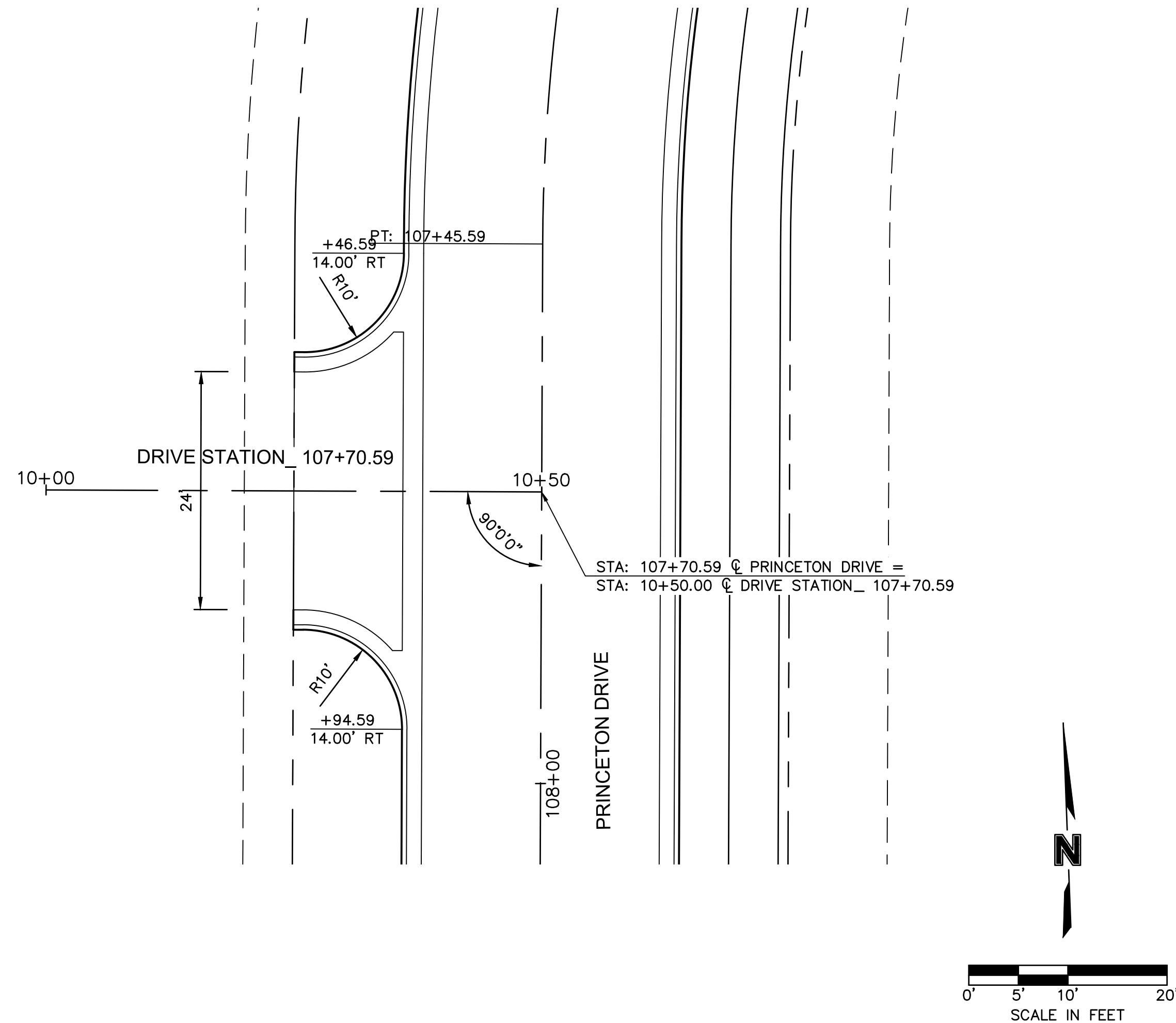
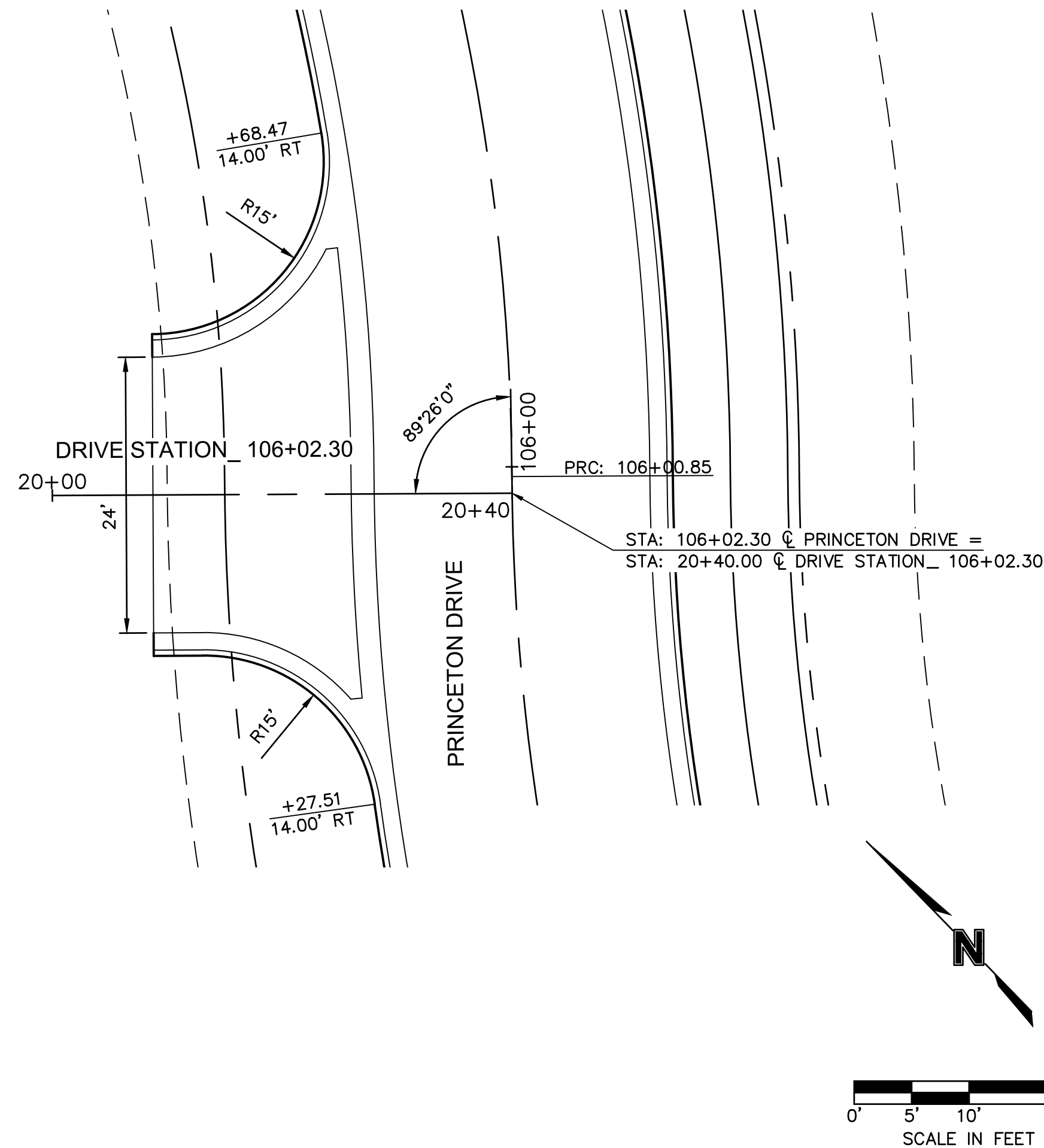
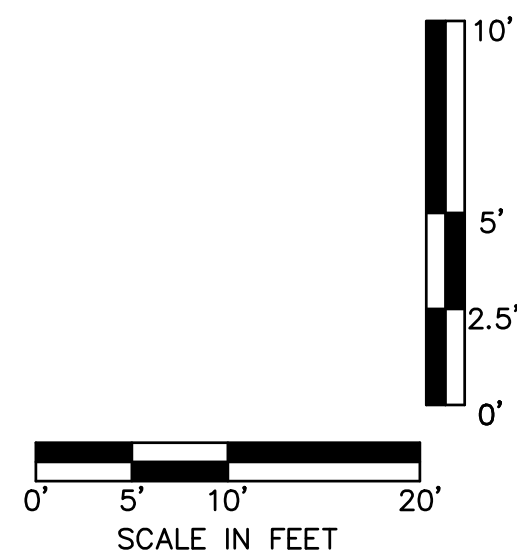
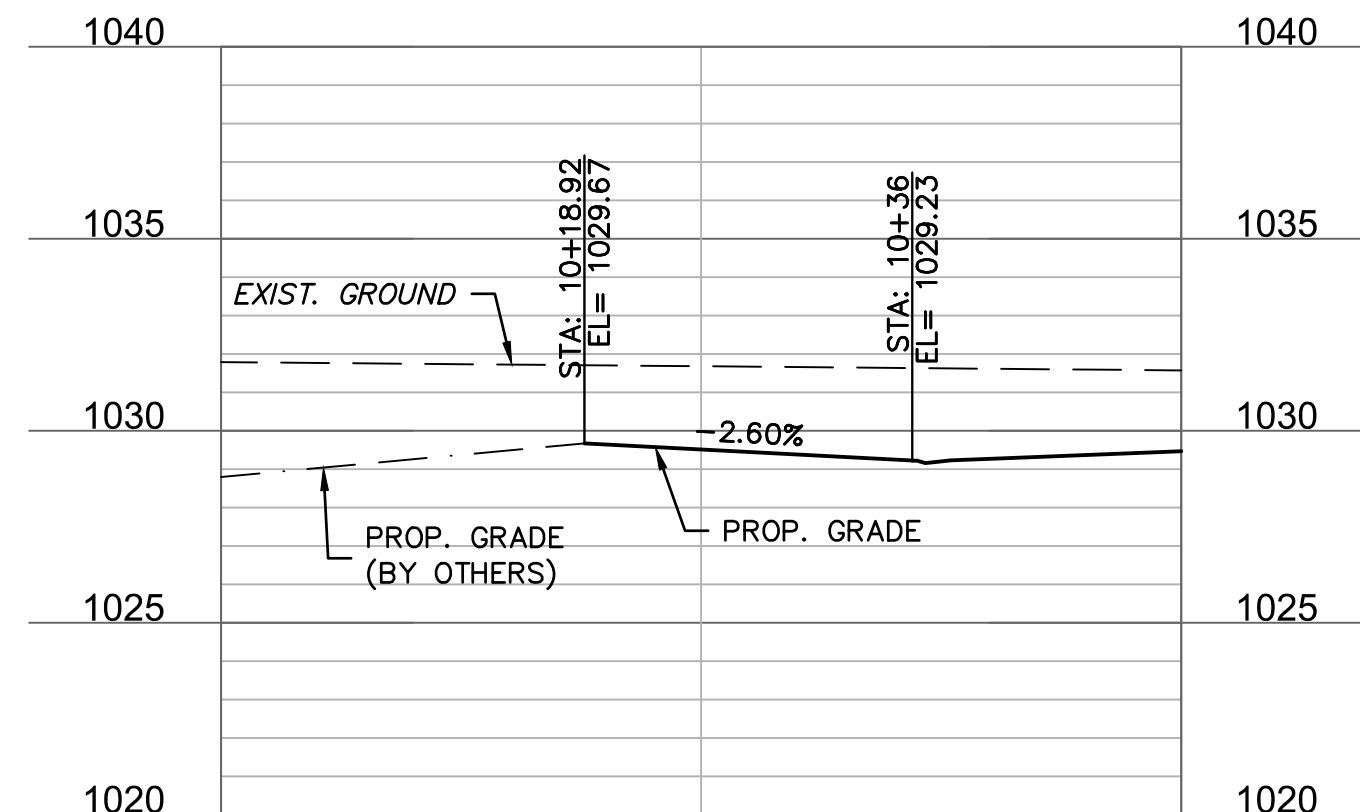
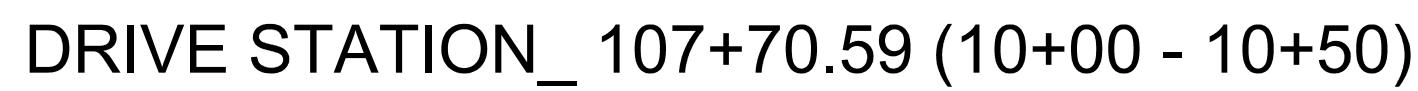
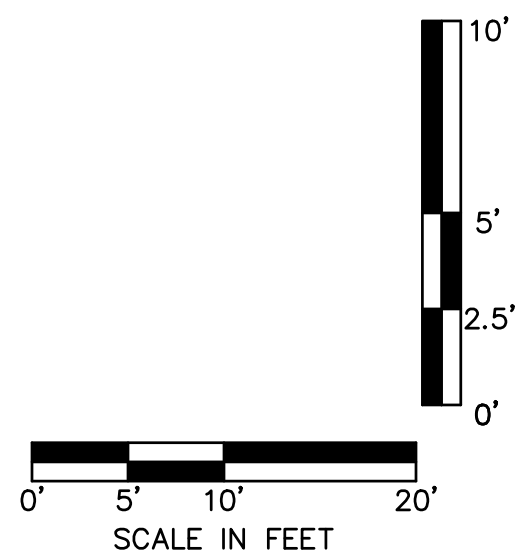
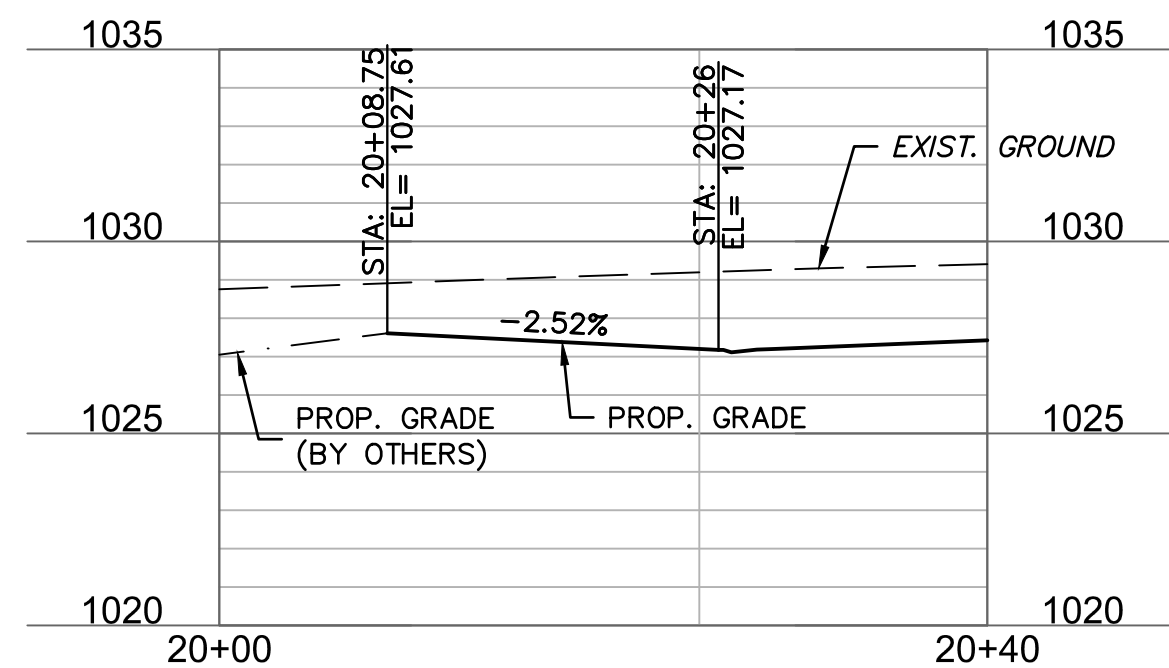
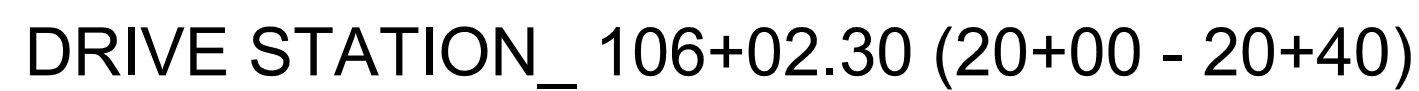
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T10 OF 70

USER: asaavedra
PUBLIC STORM

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DRIVE LAYOUTS

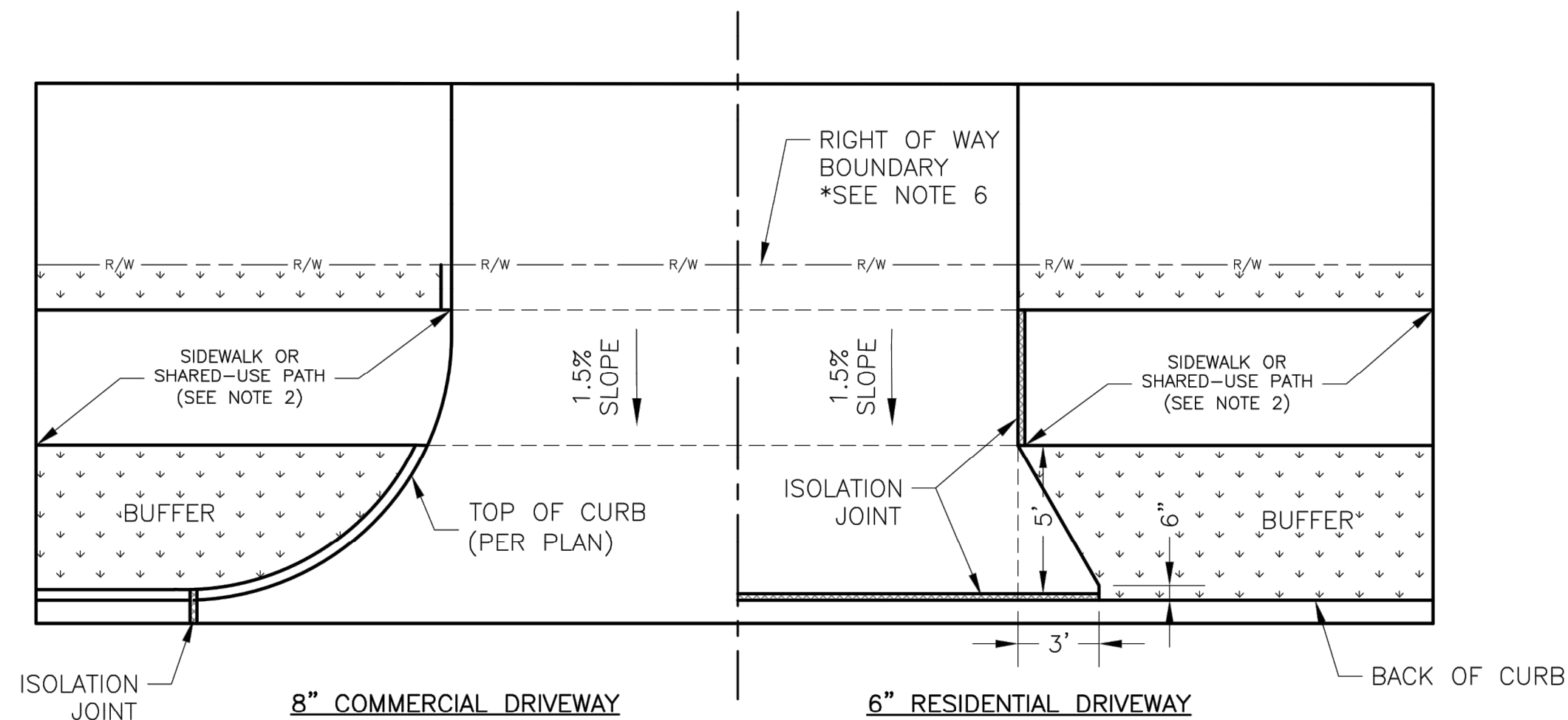
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OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

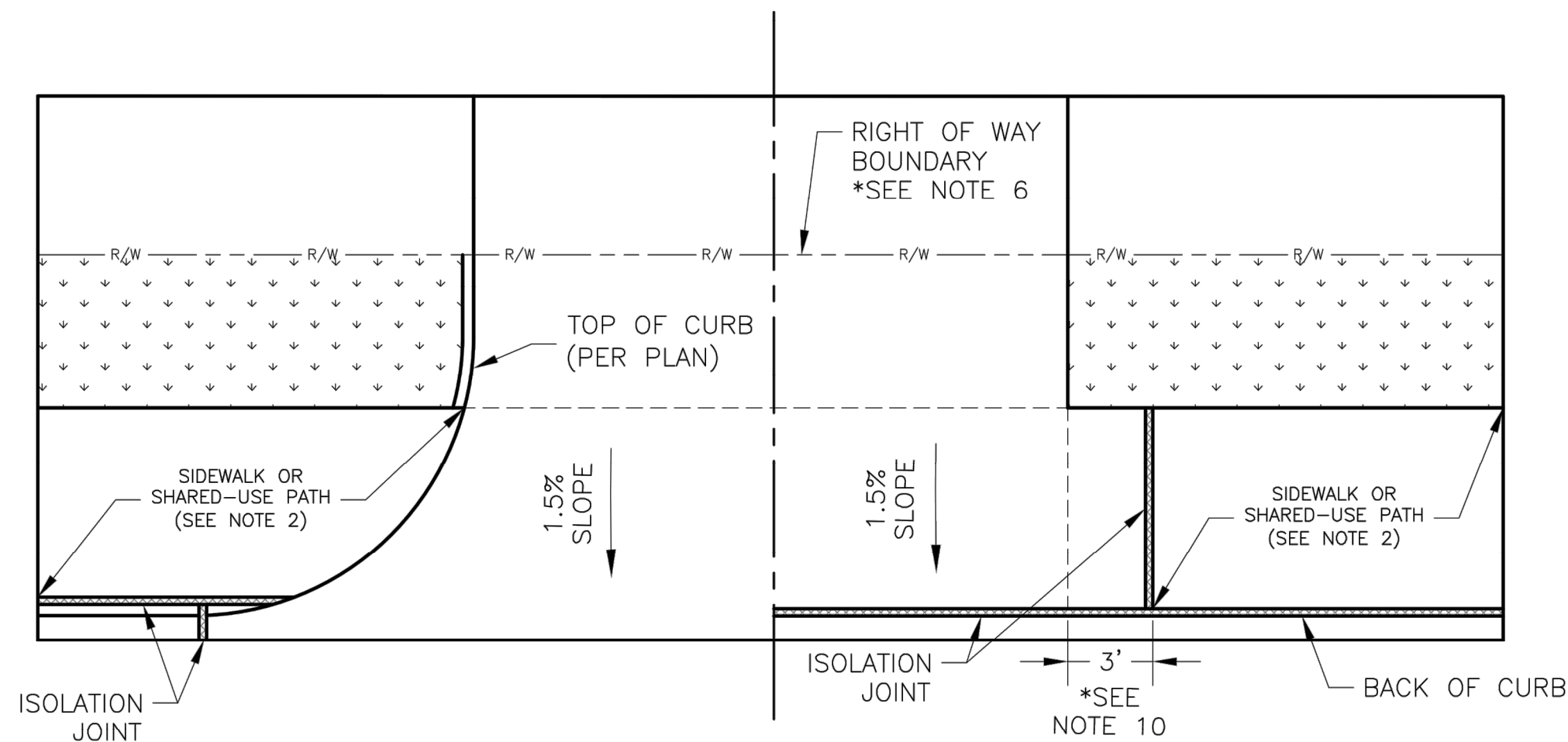
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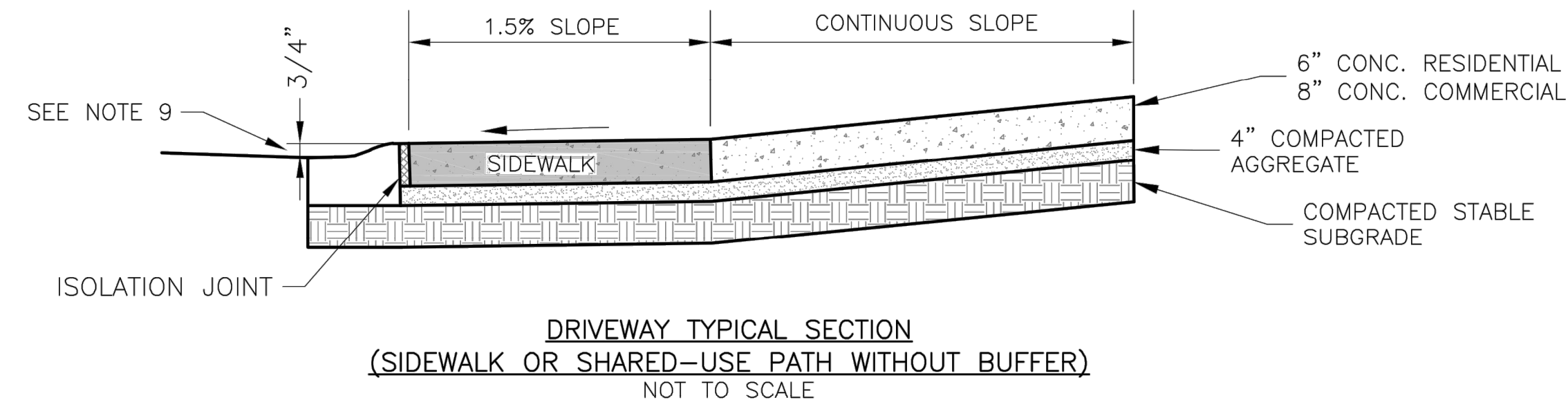
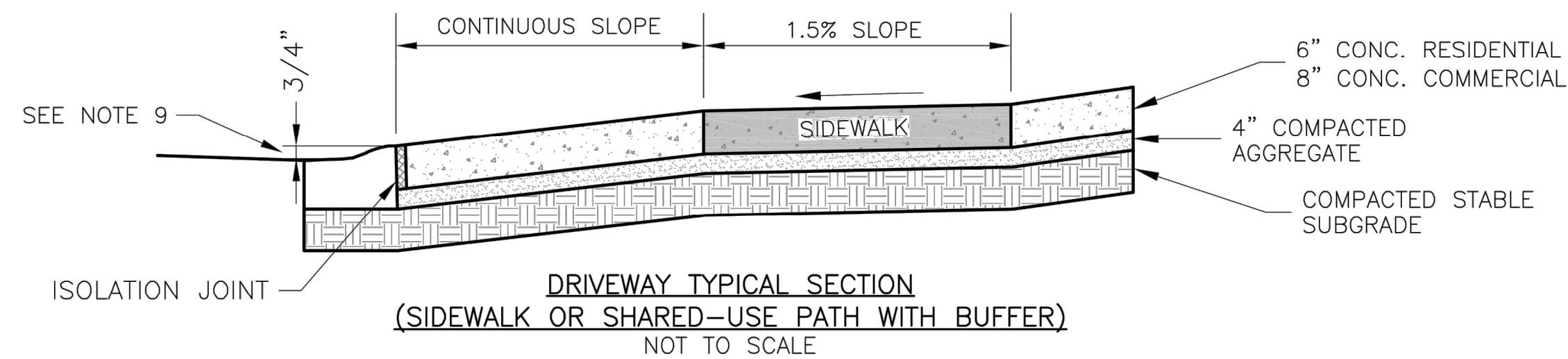
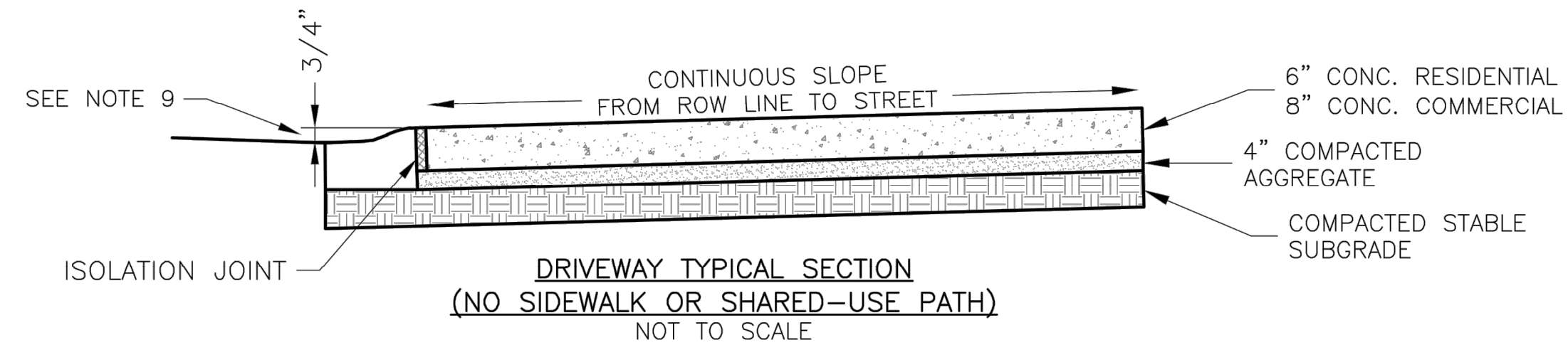
DRIVEWAY WITH BUFFER
NOT TO SCALE



DRIVEWAY WITHOUT BUFFER
NOT TO SCALE

GENERAL NOTES

1. SUBGRADE SHALL BE STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
2. ALL DRIVE APPROACHES SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) FOR SLOPE REQUIREMENTS WHEN SIDEWALK IS REQUIRED (SEE ADA RAMP RETROFIT DETAIL GEN-3B, SIDEWALK/SHARED USE PATH RAMP AT DRIVEWAY DETAIL).
3. JOINT AT BACK OF CURB LINE SHALL BE AN ISOLATION JOINT FOR RESIDENTIAL DRIVEWAYS.
4. KCMMB 4K CONCRETE MIX IS REQUIRED FOR ALL CURBS.
5. COMMERCIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE KCMMB 4K CONCRETE MIX.
6. RESIDENTIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, KCMMB 4K CONCRETE MIX IS RECOMMENDED. OTHER CONCRETE MIXES NEEDS TO BE APPROVED BY CITY INSPECTOR.
7. A JOINT MUST BE INSTALLED AT THE RIGHT OF WAY BOUNDARY FOR PROPERTY DELINEATION.
8. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
9. ¾" FROM TOP OF CURB TO FLOWLINE AT DRIVEWAY (TYPE CG-1 CURB ONLY). MUST MAINTAIN ORIGINAL FLOWLINE OF CURB.
10. SIDEWALK ADJOINING CURB SHALL BE 6" THICK, EXTENDING 3' FROM THE DRIVEWAY.
11. THE MAXIMUM WIDTH OF A RESIDENTIAL DRIVEWAY IS 36 FEET WITHIN THE RIGHT OF WAY.



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CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

DRIVEWAY DETAIL

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Drawn By: MJF

Checked By: DL

Date: 04/17

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GEN-1

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STANDARD DETAILS

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

2019

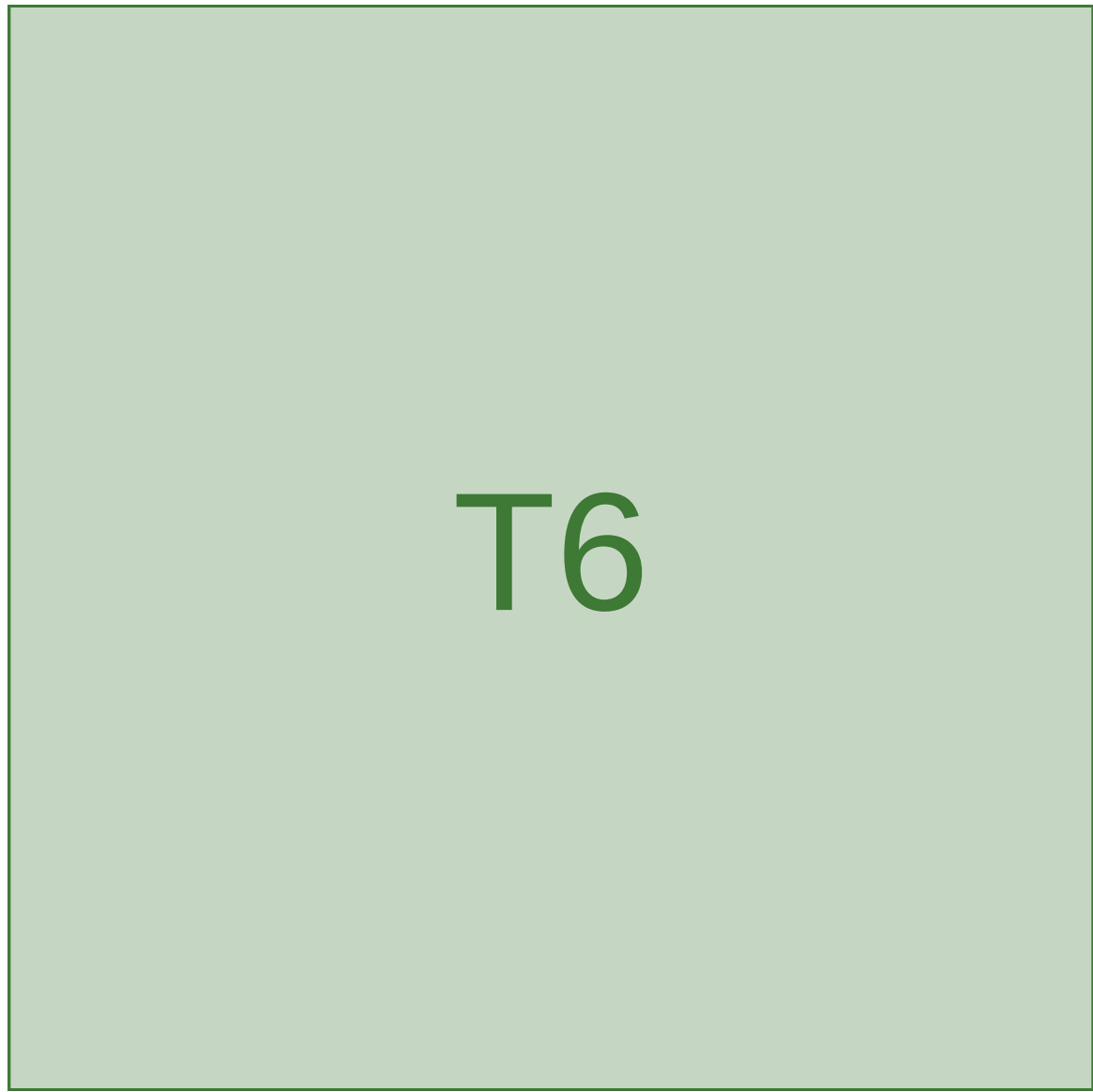
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PROJECT NO.: 018-1450
DWG NO.: T_STD1_81450
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SHEET
T16 OF 70

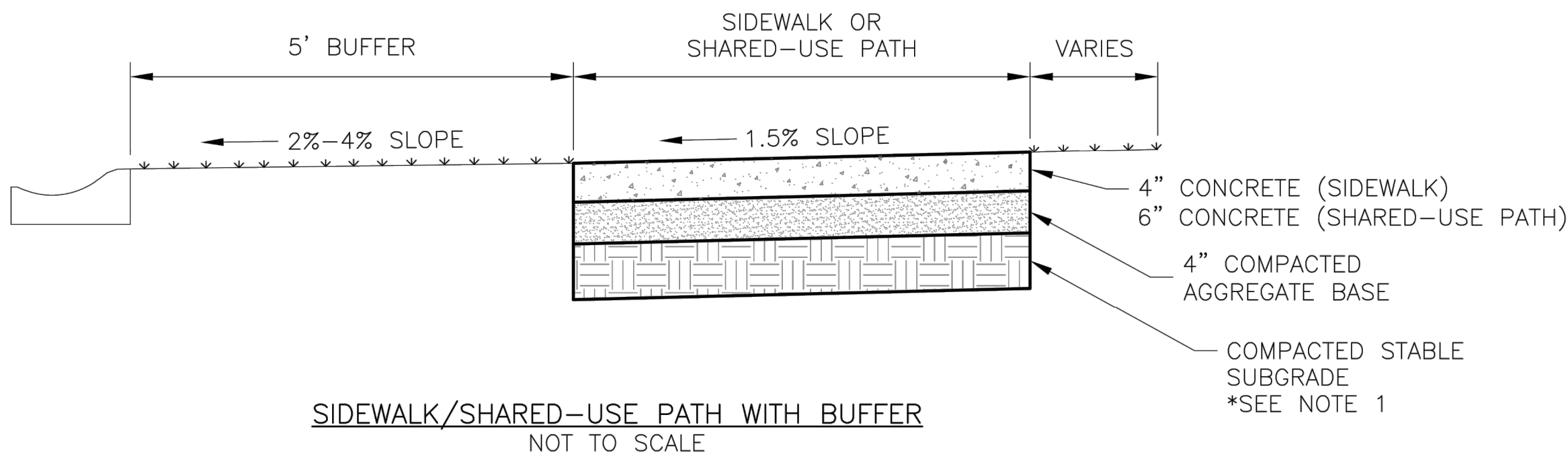
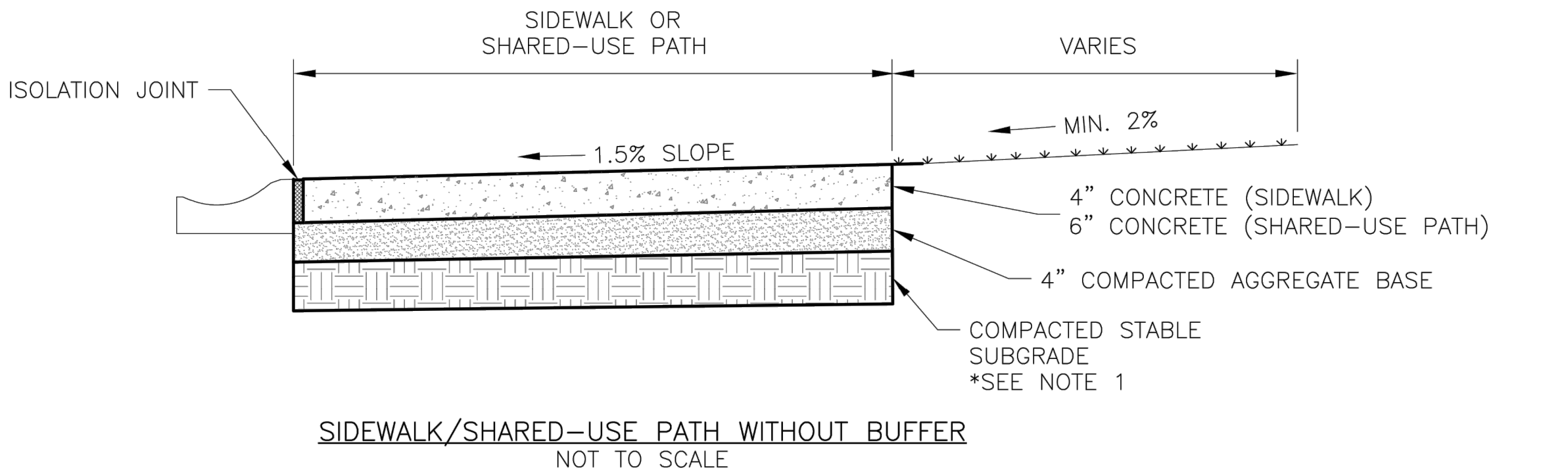


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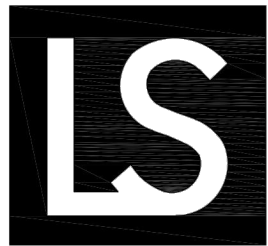


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sidewalk details.



GENERAL NOTES:

- SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
- 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS.
- KCMMB 4K CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS OR AS APPROVED BY THE CITY INSPECTOR.
- ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).
- AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 150 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
- AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
- SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE.
- SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY INSPECTOR.
- WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.



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SIDEWALK/SHARED-USE PATH DETAIL

Date: 04/17
Drawn By: MJF
Checked By: DL

GEN-2



STANDARD DETAILS

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

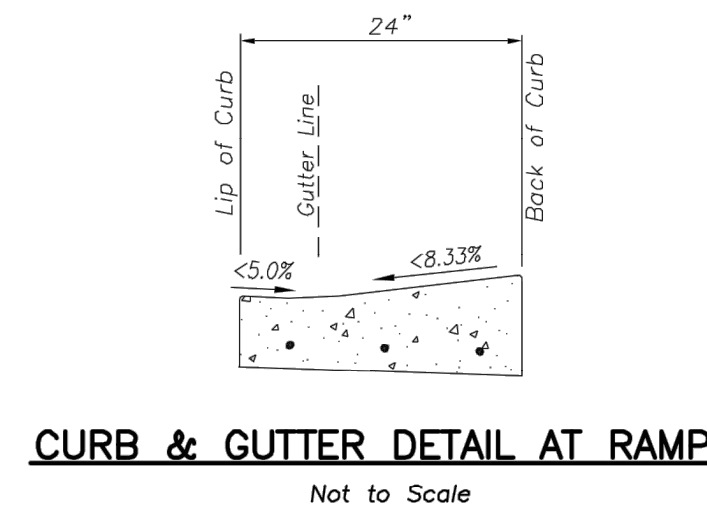
2019

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REV. NO.	DATE	REVISIONS DESCRIPTION	BY

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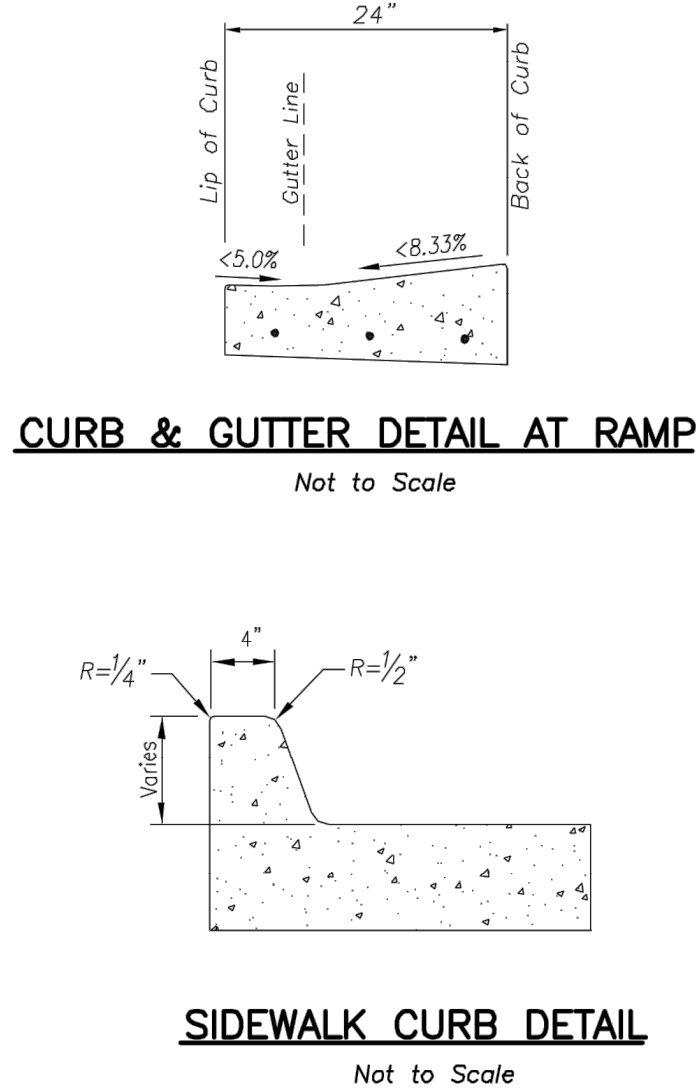
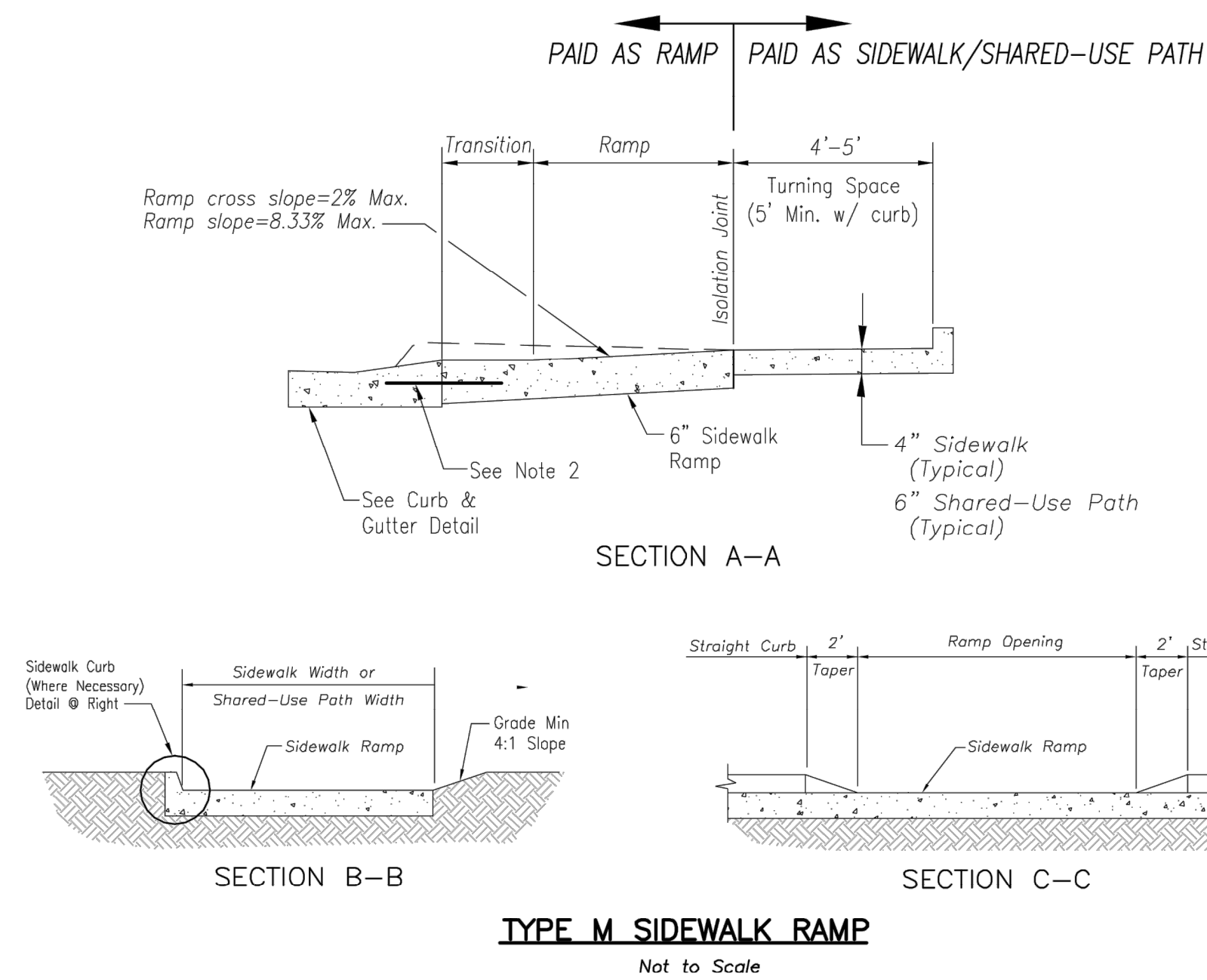
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DATE: 07.19.19

NOTE: THESE DETAILS ARE MEANT TO DESCRIBE TIE BAR LOCATIONS, AND ISOLATION JOINTS. IT IS NOT MEANT TO SUPERCEDE THE SITE-SPECIFIC DESIGN DETAILS FOR THE ADA-ACCESSIBLE RAMPS.



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Project: STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO
Sheet Name: ADA RAMP RETROFIT DETAIL

GEN-3B

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ADA RAMP RETROFIT DETAIL

STANDARD DETAILS

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

2019

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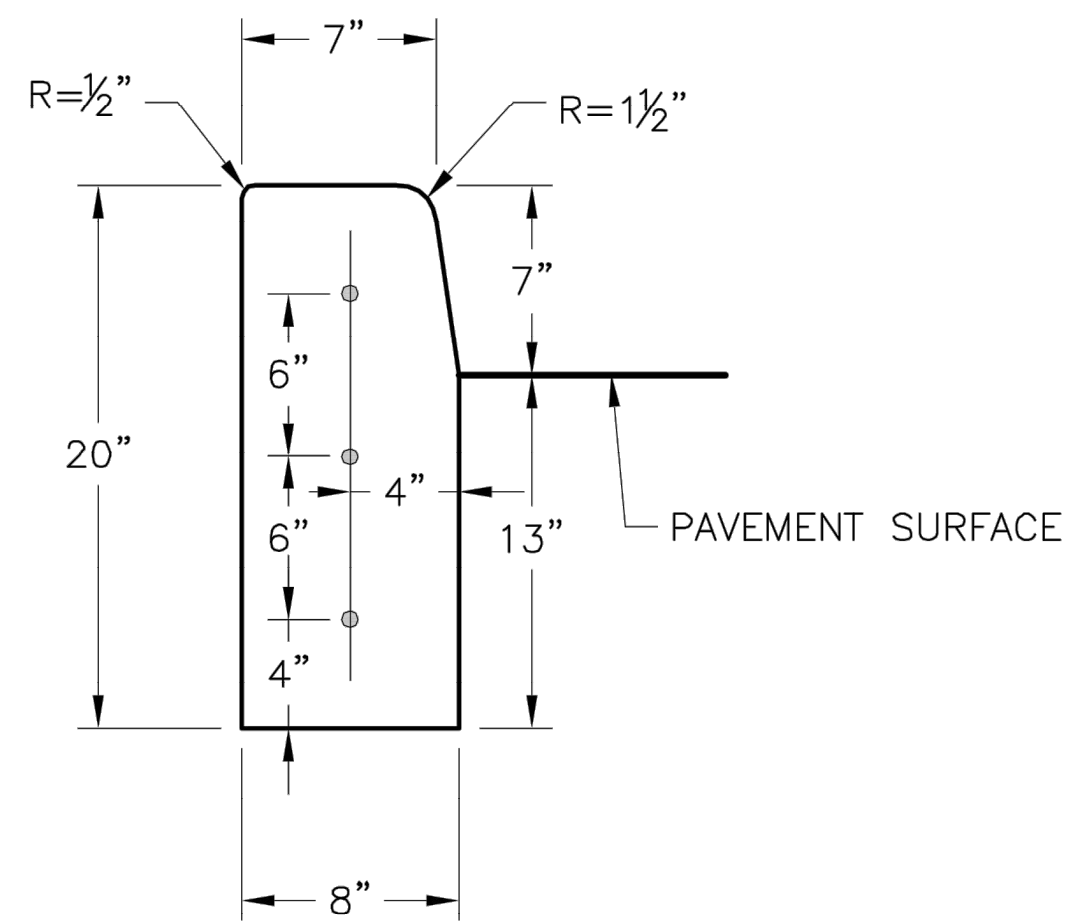
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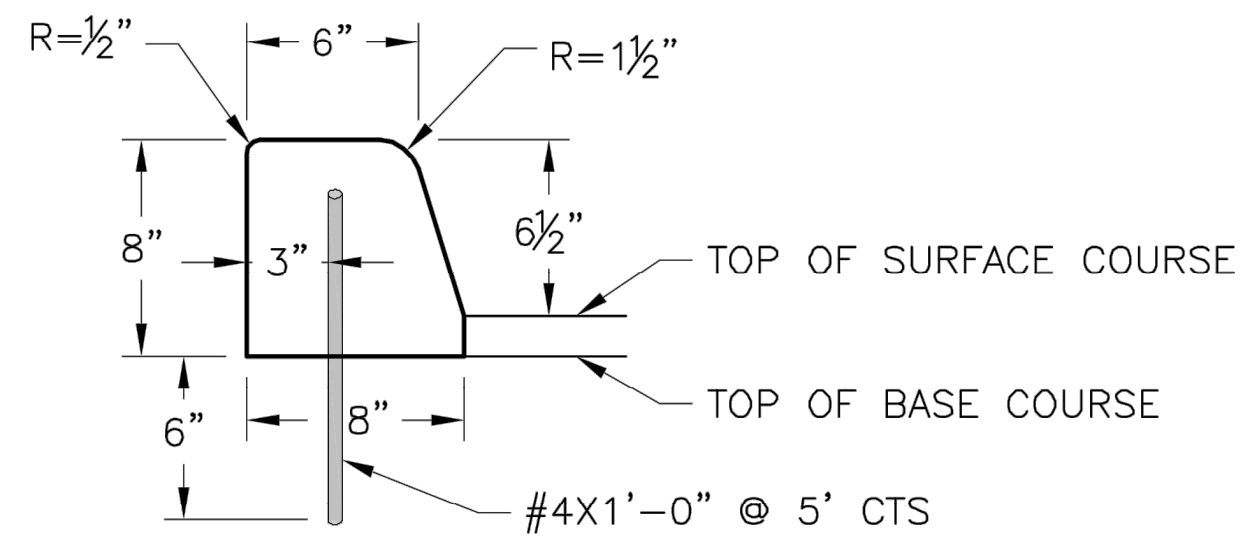


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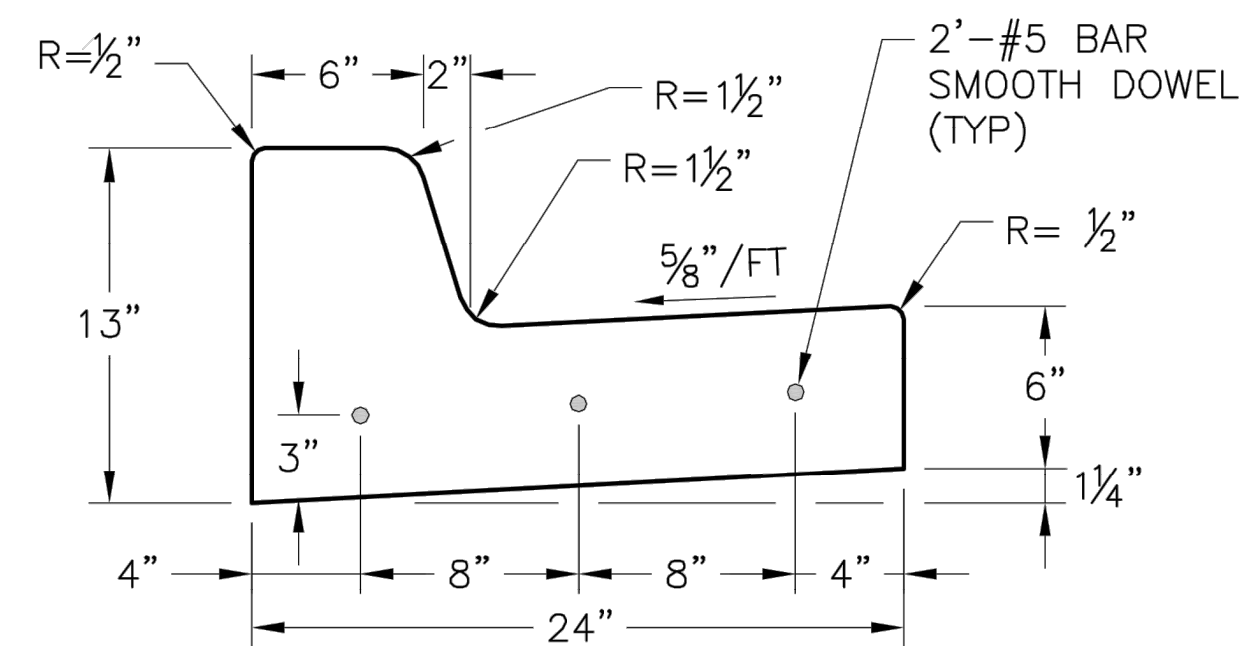
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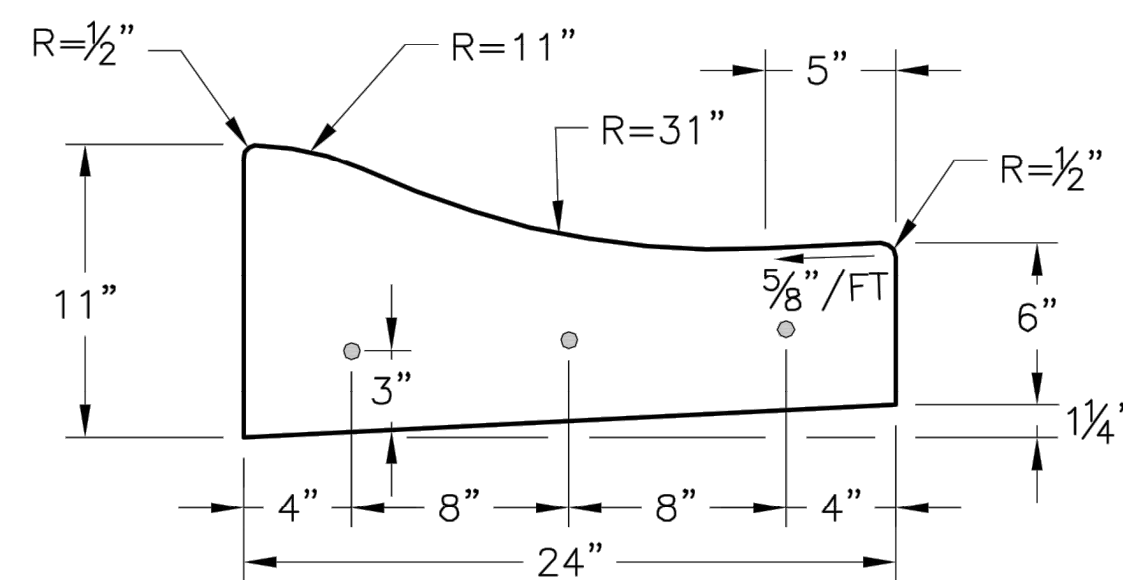
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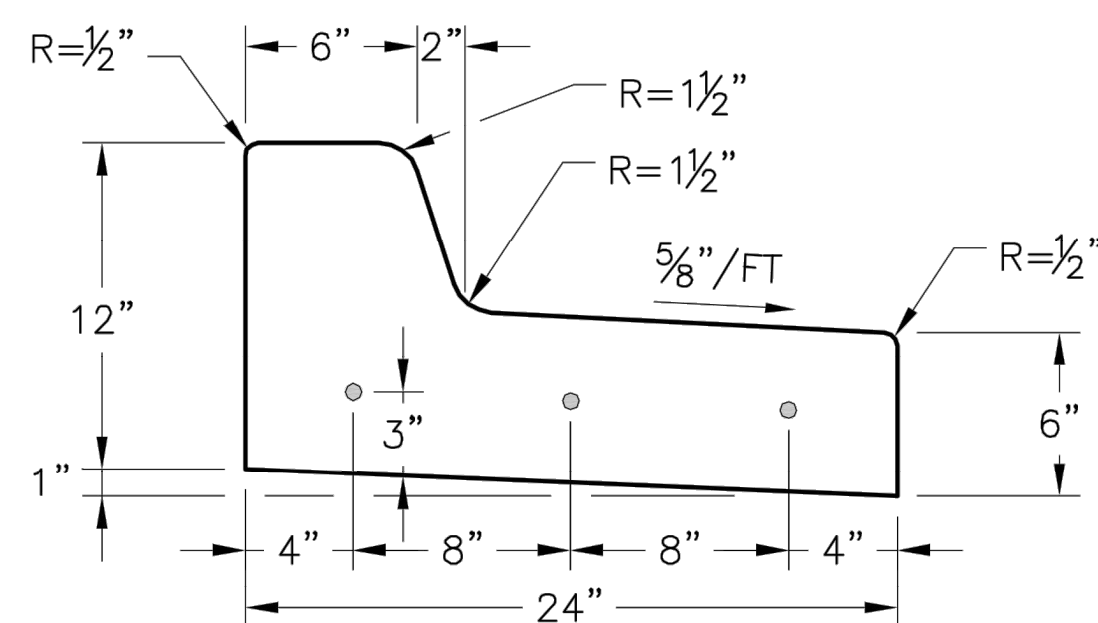
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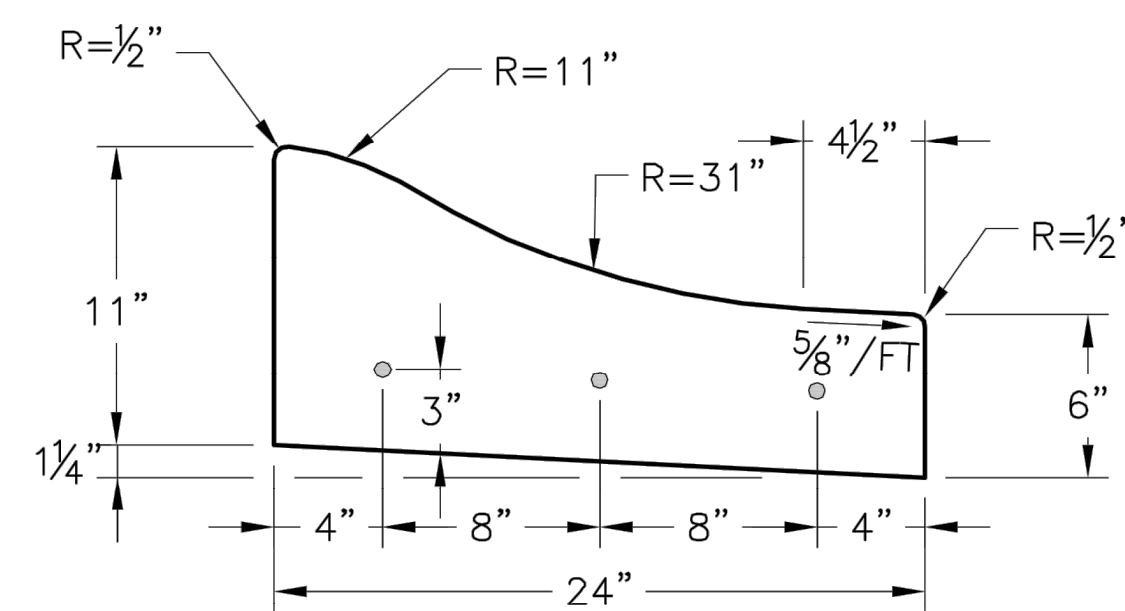
STRAIGHT BACK CURB &
GUTTER
(TYPE CG-1)



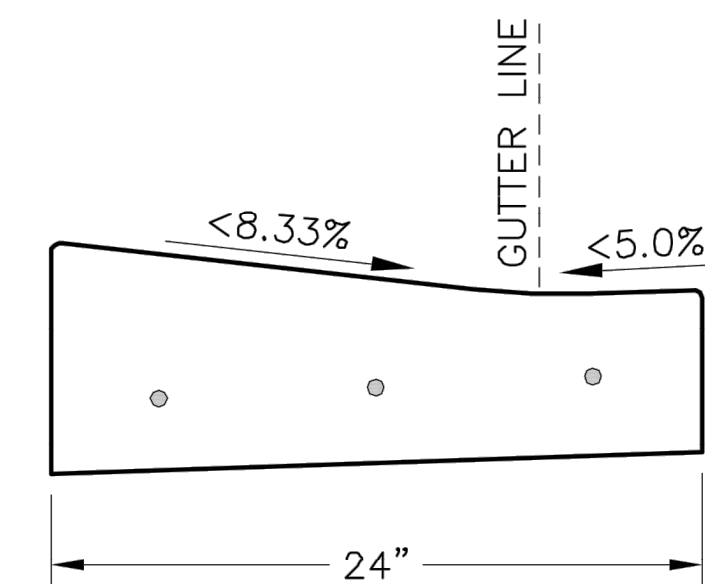
ROLL BACK CURB &
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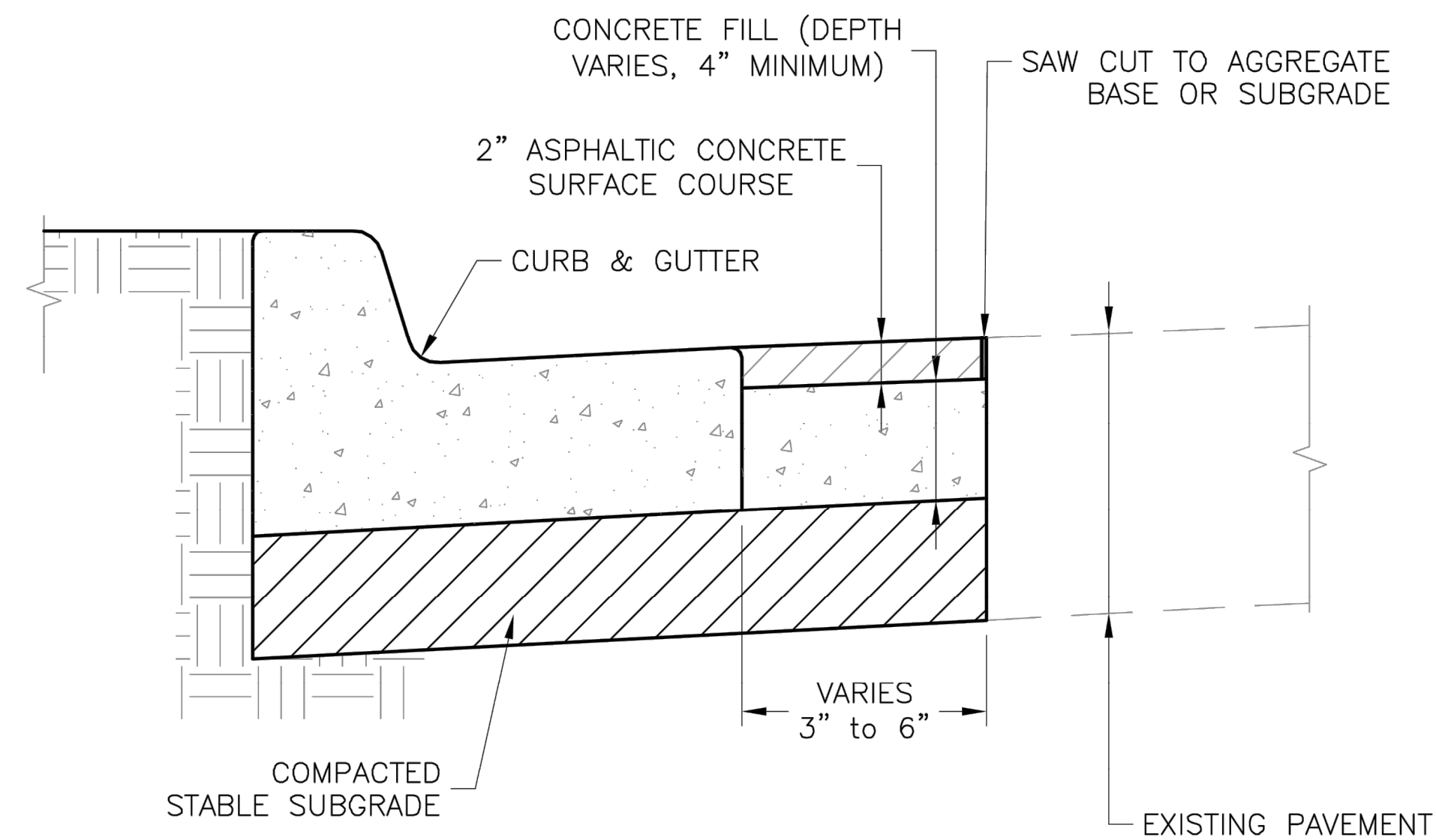
STRAIGHT BACK DRY CURB &
GUTTER
(TYPE CG-1 DRY)



ROLL BACK DRY CURB &
GUTTER
(TYPE CG-2 DRY)



CURB & GUTTER DETAIL AT RAMP
(ADA SLOPE REQUIREMENTS)



CURB REPLACEMENT DETAIL

GENERAL NOTES

1. ¾" ISOLATION JOINTS WITH 3 (2'-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
4. KCMMB 4K CONCRETE SHALL BE USED FOR ALL CURB.
5. ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
6. CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
7. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

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Project: STANDARD DETAILS
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GEN-4

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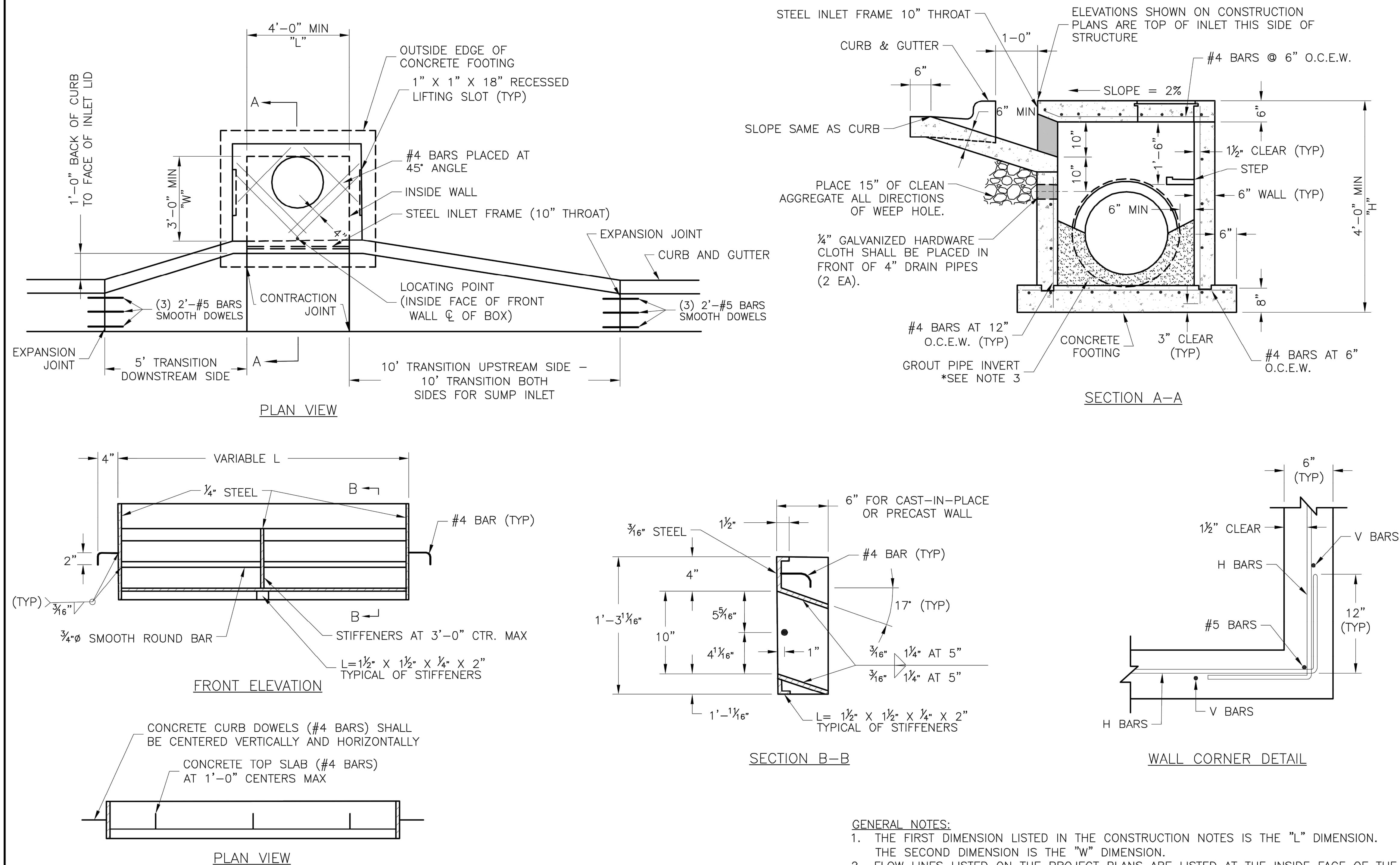
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- GENERAL NOTES:
1. THE FIRST DIMENSION LISTED IN THE CONSTRUCTION NOTES IS THE "L" DIMENSION. THE SECOND DIMENSION IS THE "W" DIMENSION.
 2. FLOW LINES LISTED ON THE PROJECT PLANS ARE LISTED AT THE INSIDE FACE OF THE WALL.
 3. FLOOR OF INLET GROUTED AND SHAPED TO MATCH PIPE INVERT TO PROVIDE SMOOTH FLOW.
 4. LOCATE MH RING AND COVER ON BLANK WALL IF POSSIBLE.
 5. STEPS SHALL BE SPACED AT 1'-4" O.C. VERTICALLY ON BLANK WALL IF POSSIBLE.
 6. BEVEL ALL EXPOSED EDGES WITH $\frac{3}{4}$ " CHAMFER OR $\frac{1}{2}$ " TOOLED EDGE.
 7. ON-GRADE INLETS SHALL CONFORM TO THE STREET GRADE AND SUMP INLETS SHALL BE LEVEL.
 8. PRECAST LIDS SHALL BE PINNED, SEALED WITH NON-SHRINKABLE GROUT AND REMOVABLE FOR FUTURE MAINTENANCE.
 9. LIFTING RINGS SHALL BE REMOVED AND SEALED WITH NON-SHRINKABLE GROUT
 10. FOR RING AND COVER SEE THE STORMWATER APPROVED PRODUCT LIST.

STM-1

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Sheet Name: CURB INLET DETAIL

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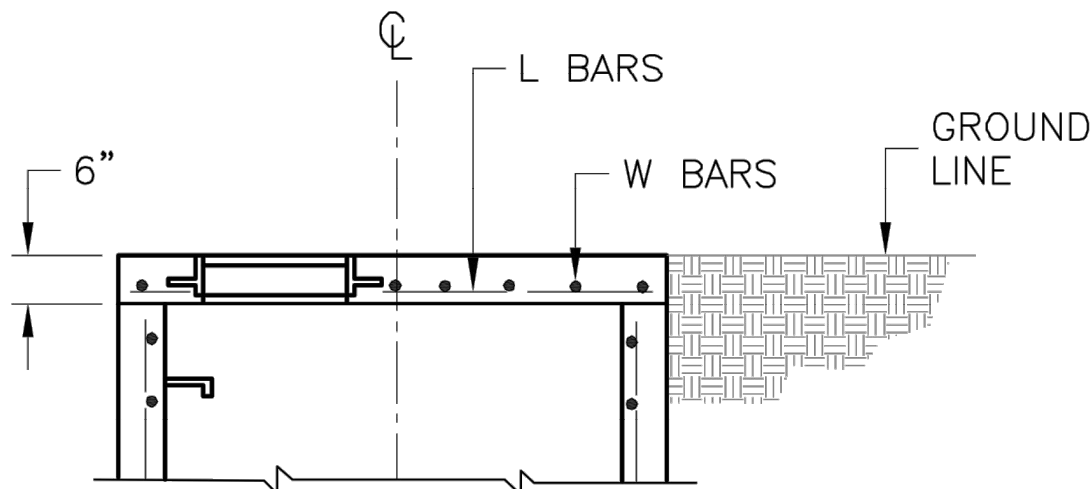
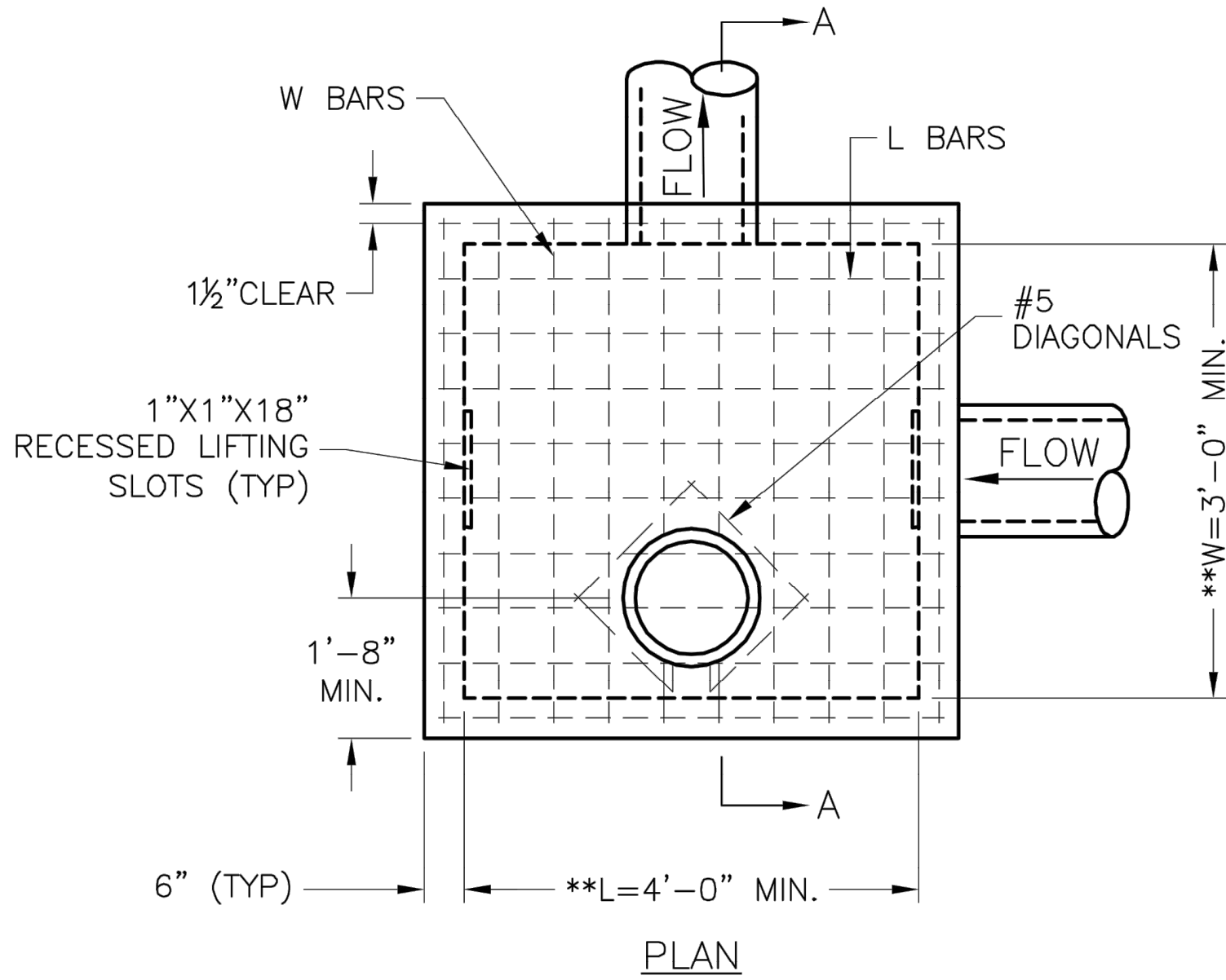
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OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

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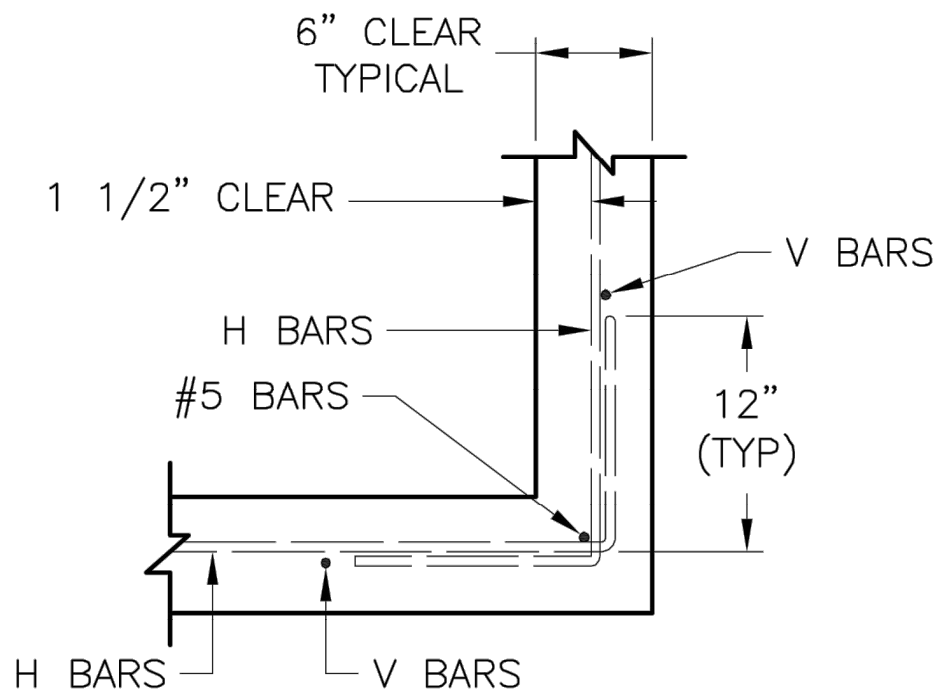
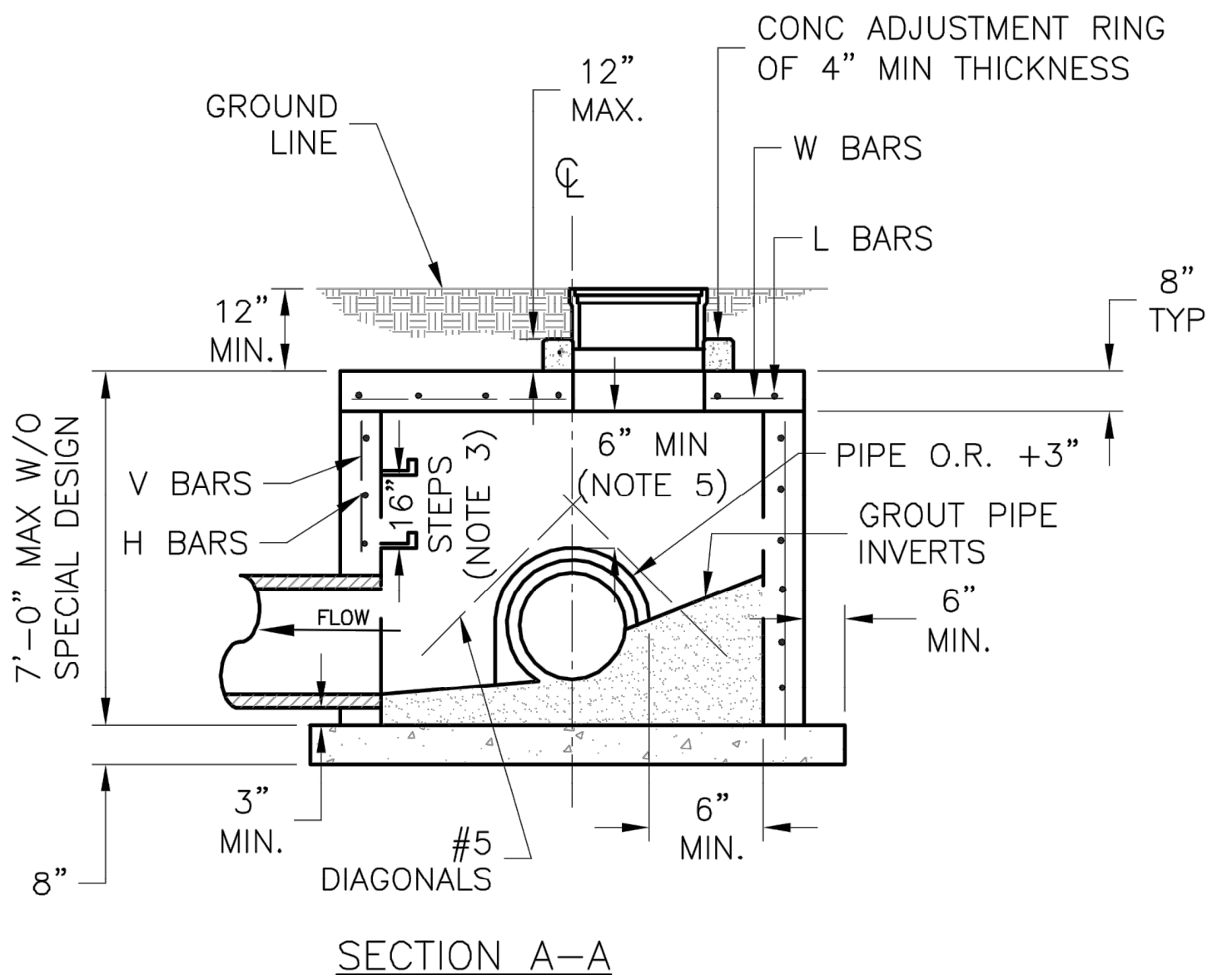


SLAB TOP ALTERNATE FOR
JUNCTION BOX (SHALLOW)

** INCREASE IN MULTIPLES OF 6"
(7'-0") MAX WITHOUT SPECIAL DESIGN.
(SEE PROJECT PLANS FOR DETAILS)

REINFORCING

BARS	BAR SIZE	SPACING (IN.)
H	4	12
V	4	12
L	5	6
W	5	6



WALL CORNER DETAIL

- GENERAL NOTES:
- LOCATE RING AND COVER ON BLANK WALL.
 - USE 3/4" CHAMFER STRIP OR 1/2" R EDGER TOOL ON ALL EXPOSED CONCRETE CORNERS.
 - STEPS REQUIRED AT 16" O.C. WHEN DEPTH FROM TOP OF CASTING TO INVERT EXCEEDS 4' ON BLANK WALL IF POSSIBLE.
 - BOXOUTS WILL NOT BE ALLOWED TO PROJECT THROUGH THE CORNERS OF THE STRUCTURE AND THE MINIMUM DISTANCE BETWEEN BOXOUTS IS 6".
 - THE MINIMUM REINFORCING SHALL BE 1 H-BAR OVER A CAST-IN-PLACE PIPE AND 2 H-BARS OVER A PRECAST BOXOUT.
 - PRECAST LIDS SHALL BE PINNED, SEALED WITH NON-SHRINKABLE GROUT AND REMOVABLE FOR FUTURE MAINTENANCE.
 - REINFORCING OF COVERS IN STREETS REQUIRE SPECIAL DESIGN.
 - FOR RING AND COVER SEE THE STORMWATER APPROVED PRODUCT LIST.

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STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

JUNCTION BOX DETAIL

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STANDARD DETAILS

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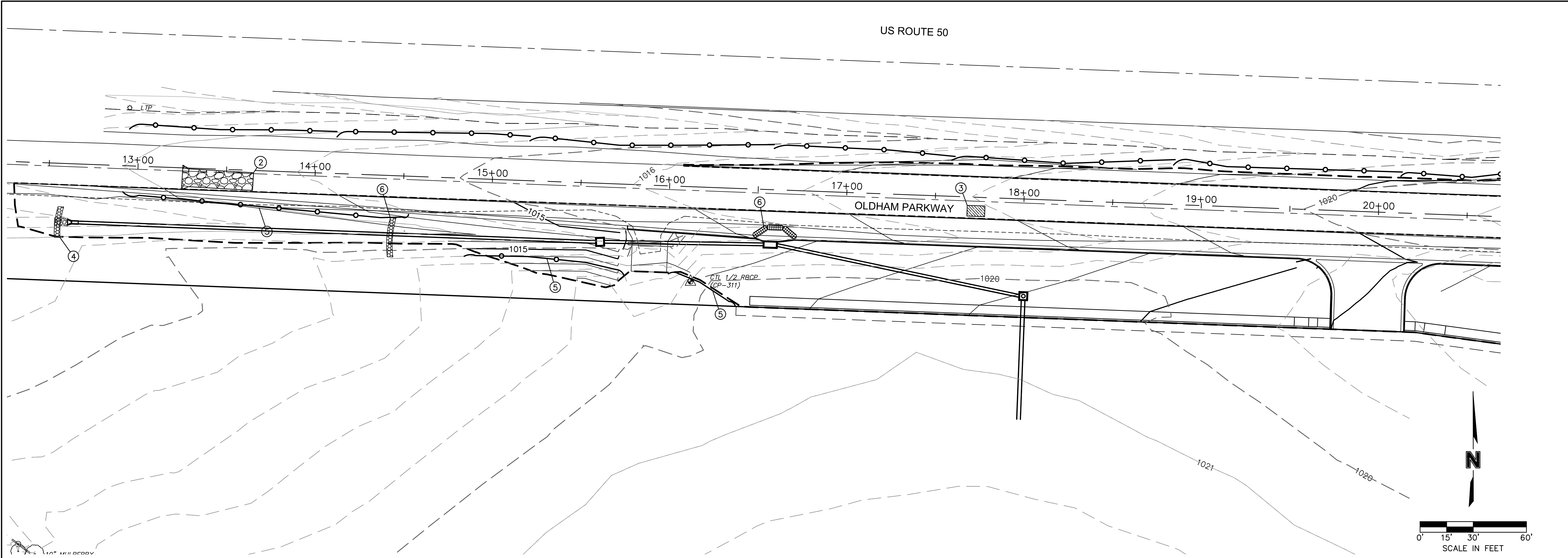
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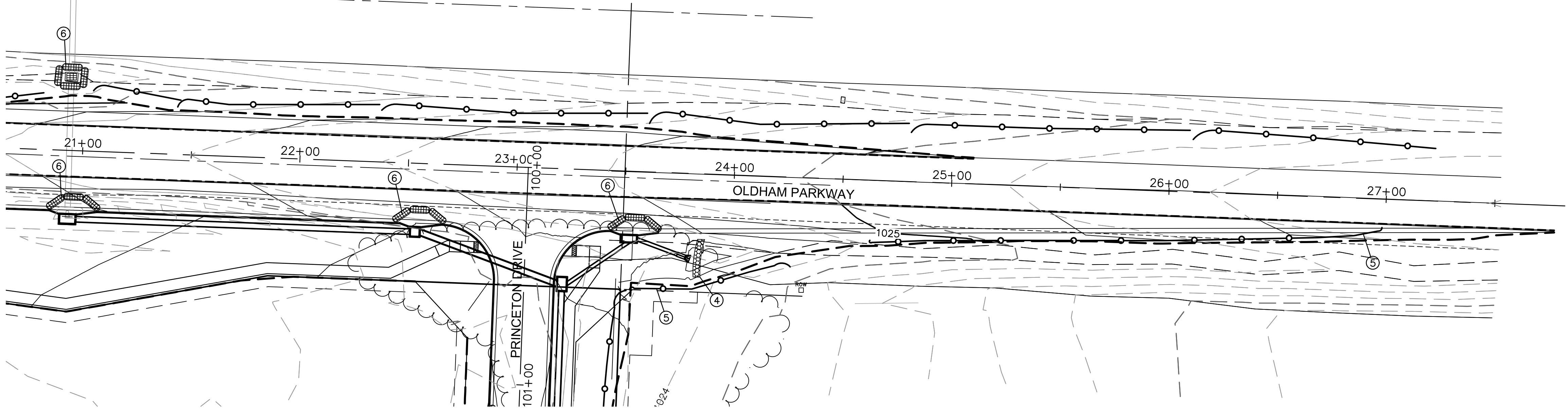
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DATE: 07.19.19

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USER: asaavedra

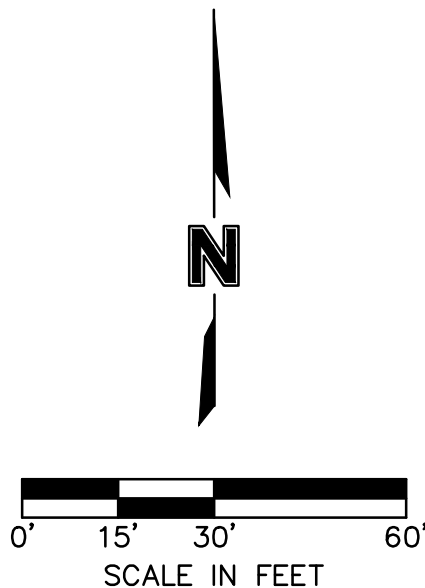


- NOTES:
- CONTRACTOR SHALL ADJUST SWPPP AND EROSION CONTROL PLANS PER PHASING AND FIELD CONDITIONS.
 - CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT CONFORMING TO THE LATEST EDITION OF THE CITY'S BMP MANUAL FOR LAND DISTURBANCE ACTIVITY. CONCRETE WASHOUT IS SUBSIDIARY TO OTHER EROSION CONTROL BID ITEMS. NO DIRECT PAY.
 - CONTRACTOR SHALL COORDINATE WITH THE CITY'S INSPECTOR TO DETERMINE THE LOCATION OF THE CONCRETE WASHOUT.
 - REFER TO PHASED EROSION CONTROL STAGING CHART.



EROSION AND SEDIMENT CONTROL STAGING CHART				
PROJECT STAGE	EROSION CONTROL PLAN BMP REFERENCE NO.	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
A - PRIOR TO LAND DISTURBANCE	1	STAGING AREA	C	
	2	TEMPORARY CONSTRUCTION ENTRANCE	C	
	3	CONCRETE WASHOUT	C	
	4	TYPE II DITCH CHECK		
	5	SILT FENCE AND/OR STRAW WATTLES	D	INSTALL BEFORE STORM SEWER INSTALLATION
B - ROADWAY GRADING & STORM SEWER INSTALLATION	N/A	EROSION AND SEDIMENT CONTROL	N/A	PERFORM MAINTENANCE ON ALL EROSION CONTROL MEASURES FOR ALL PREVIOUS PHASES AS NECESSARY.
C - PAVING	6	CURB INLET/AREA INLET PROTECTION	C	PROTECT ALL OPEN BOXES WITH SILT FENCE PER CURB INLET DETAIL
D - STABILIZE SITE	7	SEED & SOD	N/A	

- LEGEND
- SILT FENCE
 - CONSTRUCTION ENTRANCE
 - CONCRETE WASHOUT
 - TURF REINFORCEMENT MAT
 - OUTLET STABILIZATION
 - INLET PROTECTION
 - TYPE II DITCH CHECKS



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Overland Park, KS 66213-4750
TEL 913.381.1170
FAX 913.381.1174
www.olsson.com

STATE OF MISSOURI
RYAN B. FLEMING
NUMBER
PE-2002003161
1-24-19
PROFESSIONAL ENGINEER

BY
REVISIONS DESCRIPTION
DATE
REV. NO.

REVISIONS

EROSION CONTROL PLANS

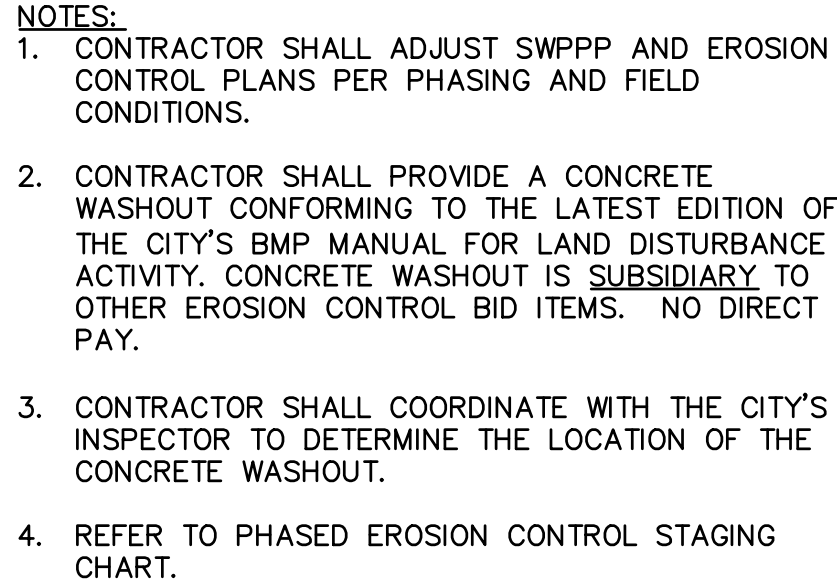
OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

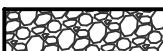
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CHECKED BY: JKL
QA/QC BY: JKL/RBE
PROJECT NO.: 018-1450
DWG NO.: T_ERC1_81450
DATE: 07.19.19

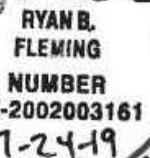
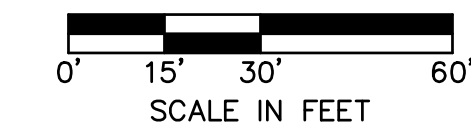
SHEET
T23 OF 70

Plans\Sheets\RDBR\EROSION CONTROL PLANS\T_ERC1_81450.dwg
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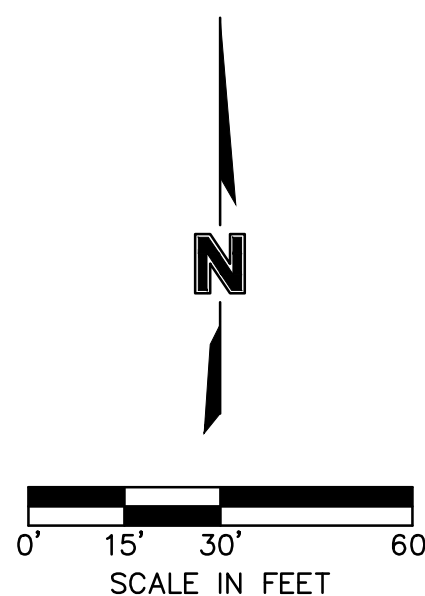


LEGEND

	SILT FENCE
	CONSTRUCTION ENTRANCE
	CONCRETE WASHOUT
	TURF REINFORCEMENT MAT
	OUTLET STABILIZATION
	INLET PROTECTION
	TEMPORARY ROCK DITCH CHECKS



DWG: C:\Temp\AcPublish_13604\T_SAS01_81450.dwg
 USER: jclemente
 XREFS: t_pbase_81450 T_PTBK_81450 F_PBASE_73552 V_TOPO_81450 F_PBASE_SAS_81450 F_PTBK_81450
 DATE: Aug 14, 2019 2:46pm



PAVEMENT MARKING AND SIGNING

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
WOLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI	2019
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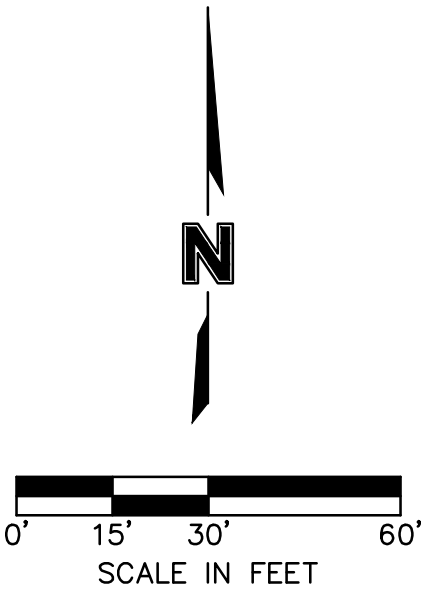
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APPROVED BY: JSS
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PROJECT NO.: 018-1450
DWG NO.: T SASH 01450
DATE: 07.19.19

SHEET
T25 OF 70



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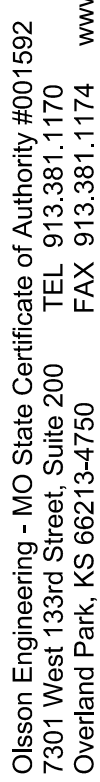
Olsson Engineering - MO State Certificate of Authority #001592
73301 West 133rd Street, Suite 200 TEL 913.381.1170
Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com



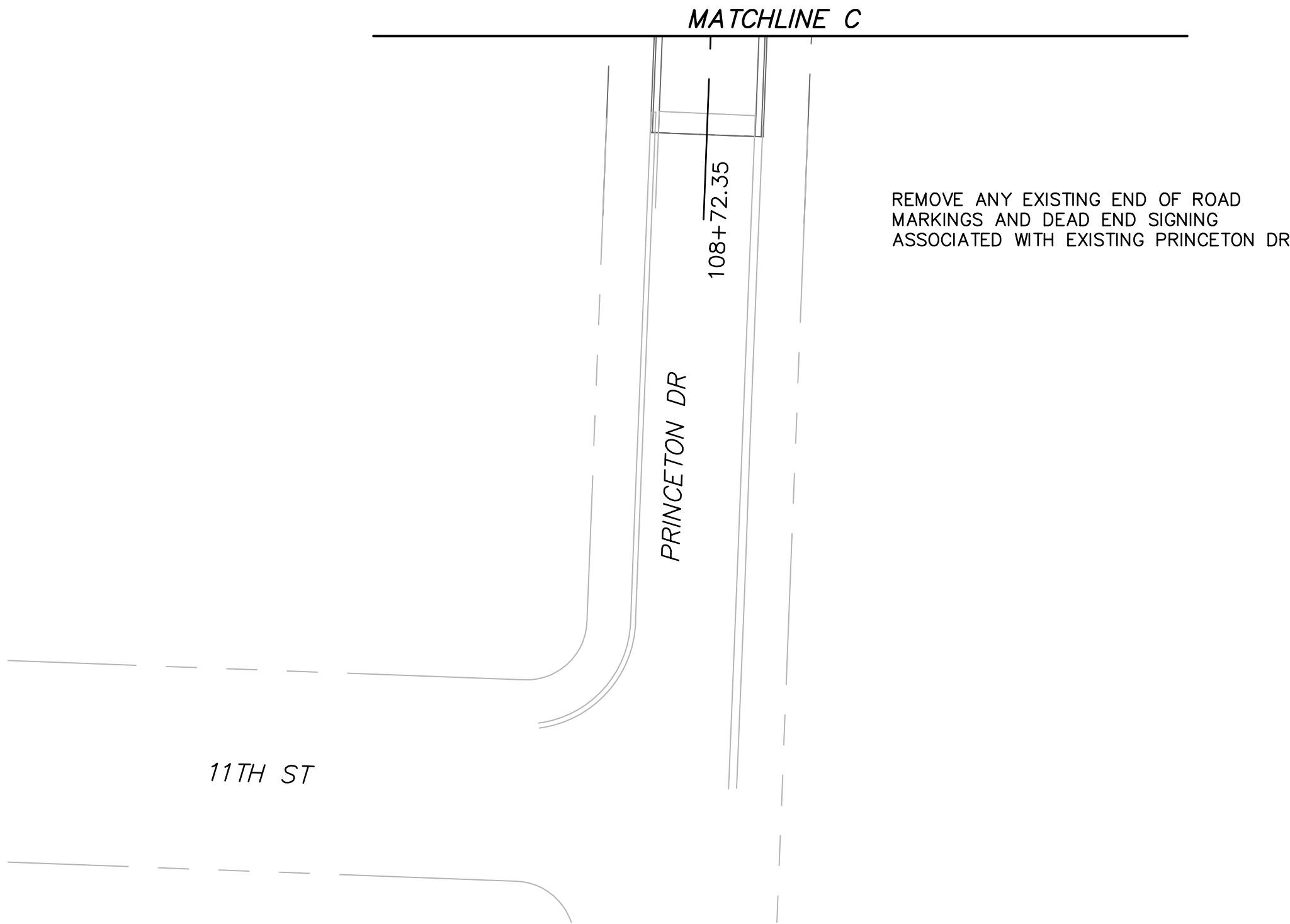
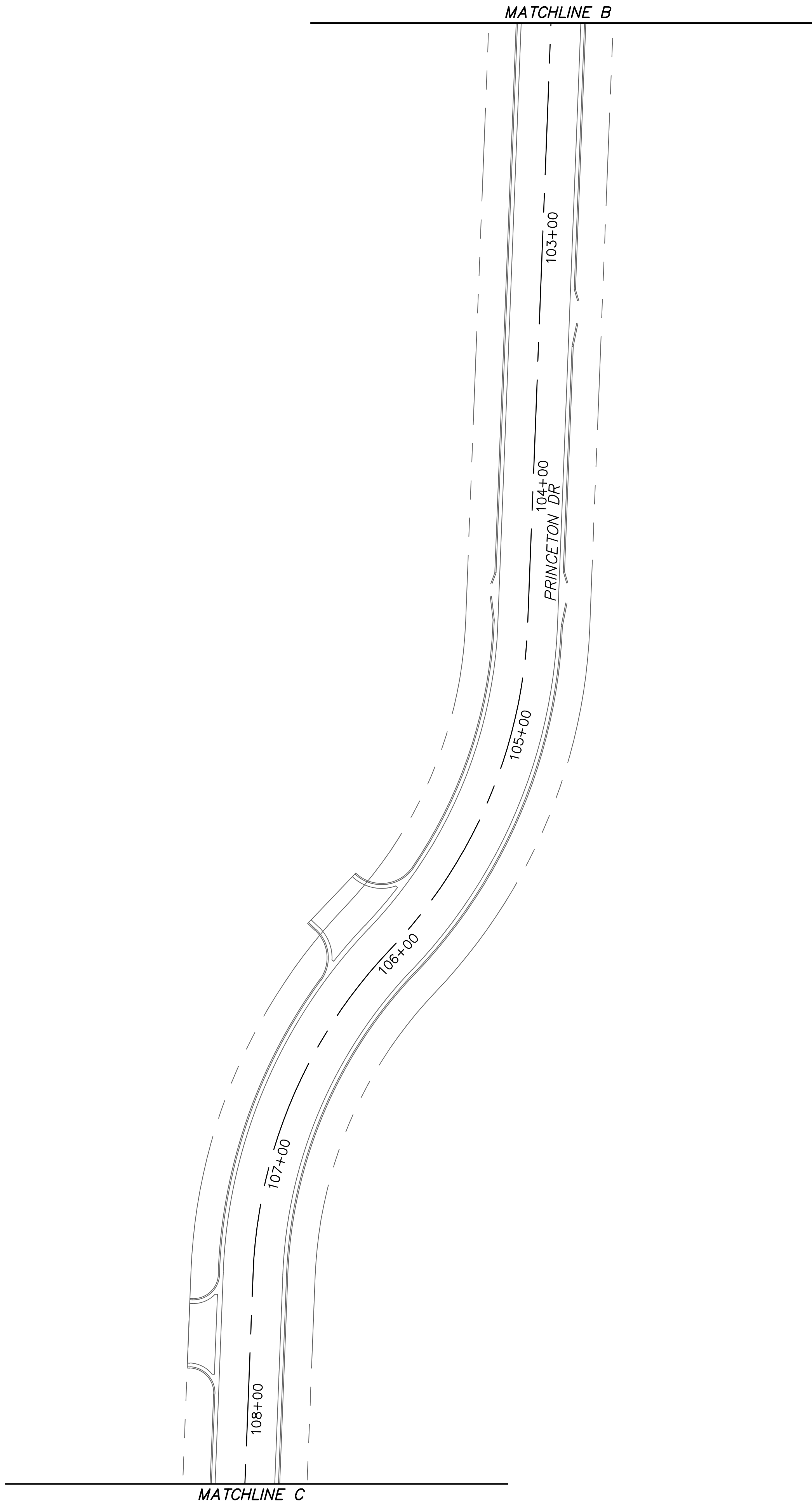
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CHECKED BY: JAC
APPROVED BY: JS
QA/QC BY: JS
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DWG NO.: T.SAS01.0145
DATE: 07.19.15

LEE'S SUMMIT, MISSOURI

REVISIONS



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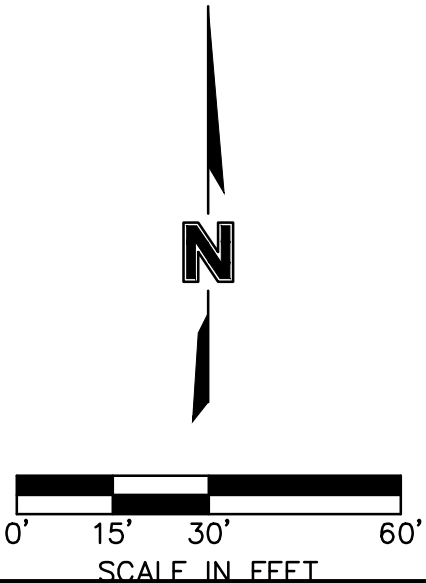


PAVEMENT MARKING SUMMARY						
STATION TO STATION		LOCATION	4" SOLID WHITE LANE LINES (LF) *	4" SOLID YELLOW LANE LINE (LF) *	12" YELLOW CROSSHATCH LINES (LF) *	WHITE TURN ARROWS (EA) **
13+35	19+55	OLDHAM		2480		LT.
13+35	19+55	OLDHAM			178	
12+31	15+77	OLDHAM	346			
20+21	21+71	OLDHAM	150			
20+21	22+78	OLDHAM		710		
20+51		OLDHAM				1
21+09		OLDHAM				1
21+67		OLDHAM				1
21+80	22+78	OLDHAM			25	
23+37	26+84	OLDHAM		1388		
23+37	26+84	OLDHAM			65	
23+66	26+84	OLDHAM	318			
12+80	26+84	OLDHAM	1404			
TOTALS			2218	4578	268	3

*ALL PAVEMENT MARKINGS ON ASPHALT SHALL BE THERMOPLASTIC
**PAVEMENT MARKINGS SHALL BE PRE-FORMED THERMOPLASTIC

PERMANENT SIGNING SUMMARY ***						
STATION	STREET REFERENCE	OFFSET FROM CL	MUTCD DESIGNATION	SIGN SIZE	AREA (S.F.) MEP SIGNS	POST TYPE
APPROX.	OLDHAM	-	W14-1 (2)	EXISTING	EXISTING	REMOVE (2)
20+24.18	OLDHAM	21.00'L	R2-1	24"x30"	5	SQUARE
20+25.09	OLDHAM	34.40'R	R1-1	30"x30"	5.18	SQUARE
28+00.00	OLDHAM	15.40'R	W14-1	EXISTING	EXISTING	SQUARE
28+00.00	OLDHAM	15.40'L	W14-1	EXISTING	EXISTING	SQUARE
100+41.59	PRINCETON	20.19'L	R1-1	30"x30"	5.18	SQUARE
100+41.59	PRINCETON	20.19'L	D3-1 (SP-1) (2)	9"x48"	3 (2)	SHARED
100+41.59	PRINCETON	20.19'L	D3-1 (SP-2) (2)	9"x48"	3 (2)	SHARED
102+1.27	PRINCETON	19.45'R	R2-1	24"x30"	5	SQUARE
TOTALS				32.36 SF	6 EA	

***ALL SIGNS REMOVED SHALL BE SUBSIDIARY TO NEW SIGNING



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TEL 913.381.1170
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www.olsson.com

STATE OF MISSOURI
JEREMY BOOT
STREET
NUMBER
FE-2017023856
8.14.19
PROFESSIONAL ENGINEER

BY JRC

REVISIONS DESCRIPTION

DATE

REV. NO.

5

08/14/2019

REVISIONS

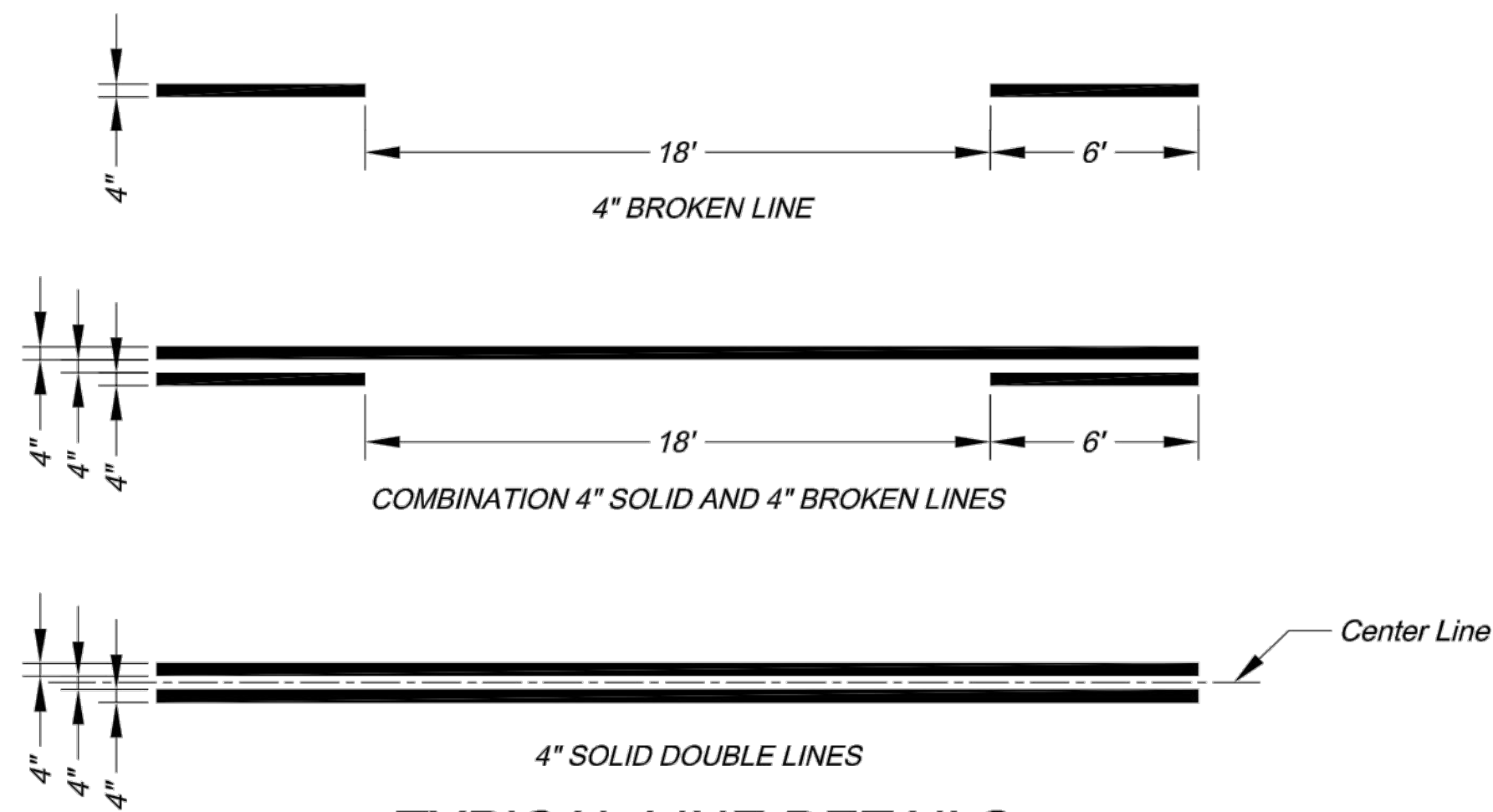
PAVEMENT MARKING AND SIGNING

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

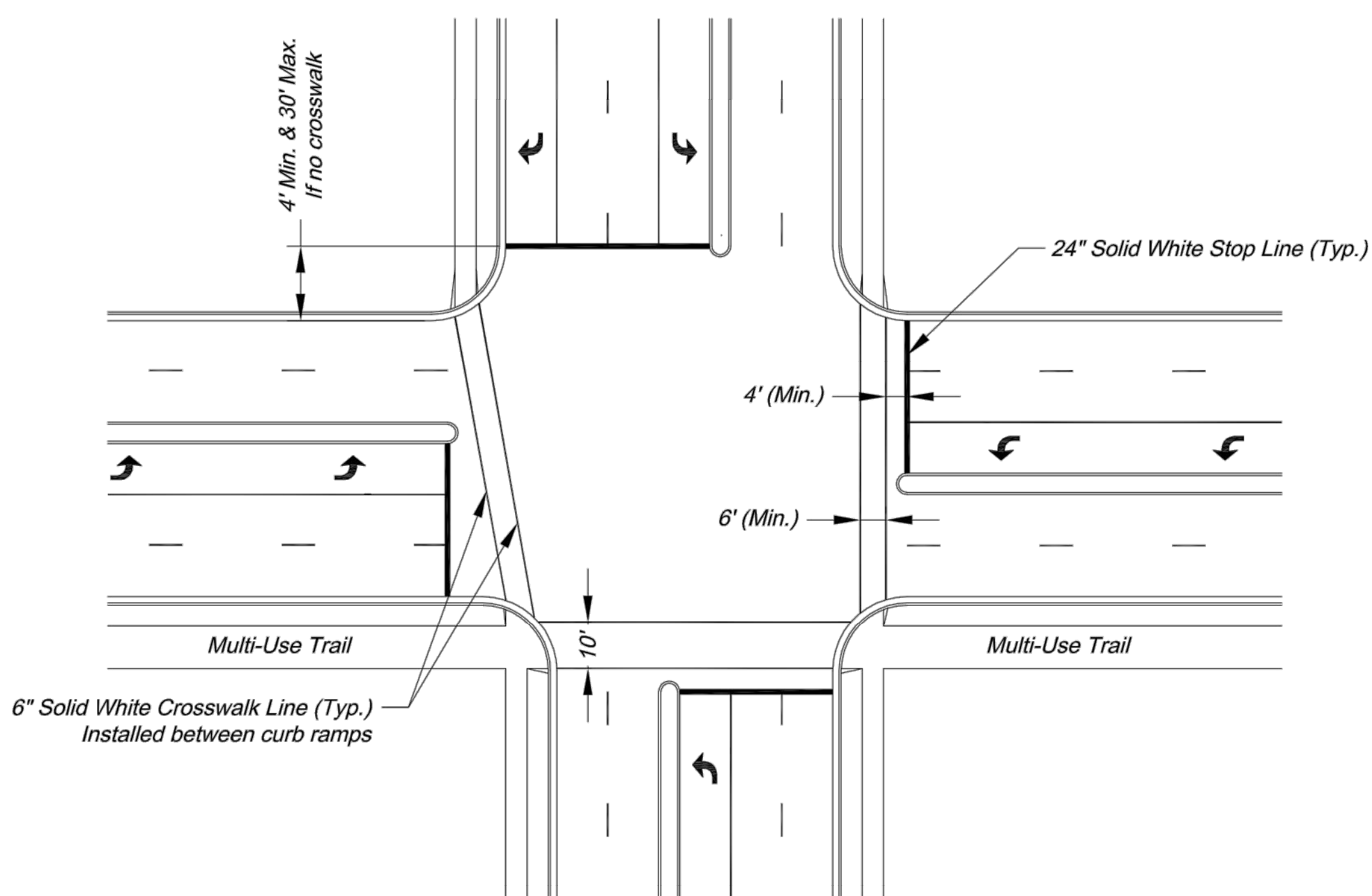
2019

C.O.A. NO.: 001592
DRAWN BY: L
CHECKED BY: JAC
APPROVED BY: JSS
QA/QC BY: JSS
PROJECT NO.: 018-1450
DWG NO.: 13604-81450
DATE: 07.19.19

SHEET
T27 OF 70

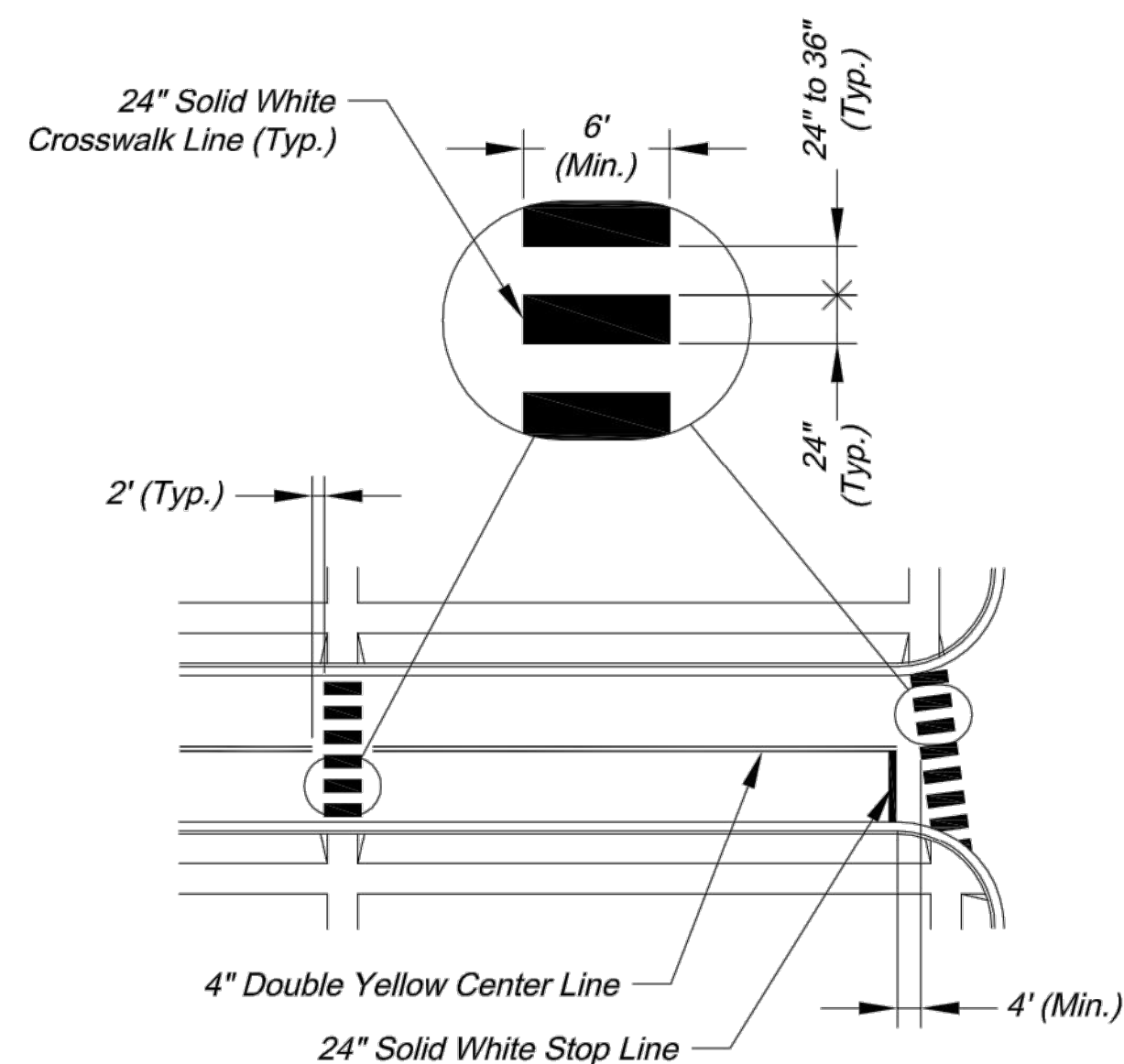


NOTES:
1. All edge line, center line, and lane line pavement markings shall be 4" wide unless otherwise noted.
2. Edge lines shall be continuous solid white or yellow lines. Right side edge lines shall be solid white. Median or left side edge lines on divided roadways are to be solid yellow. Edge lines and center lines shall be continuous across driveways.

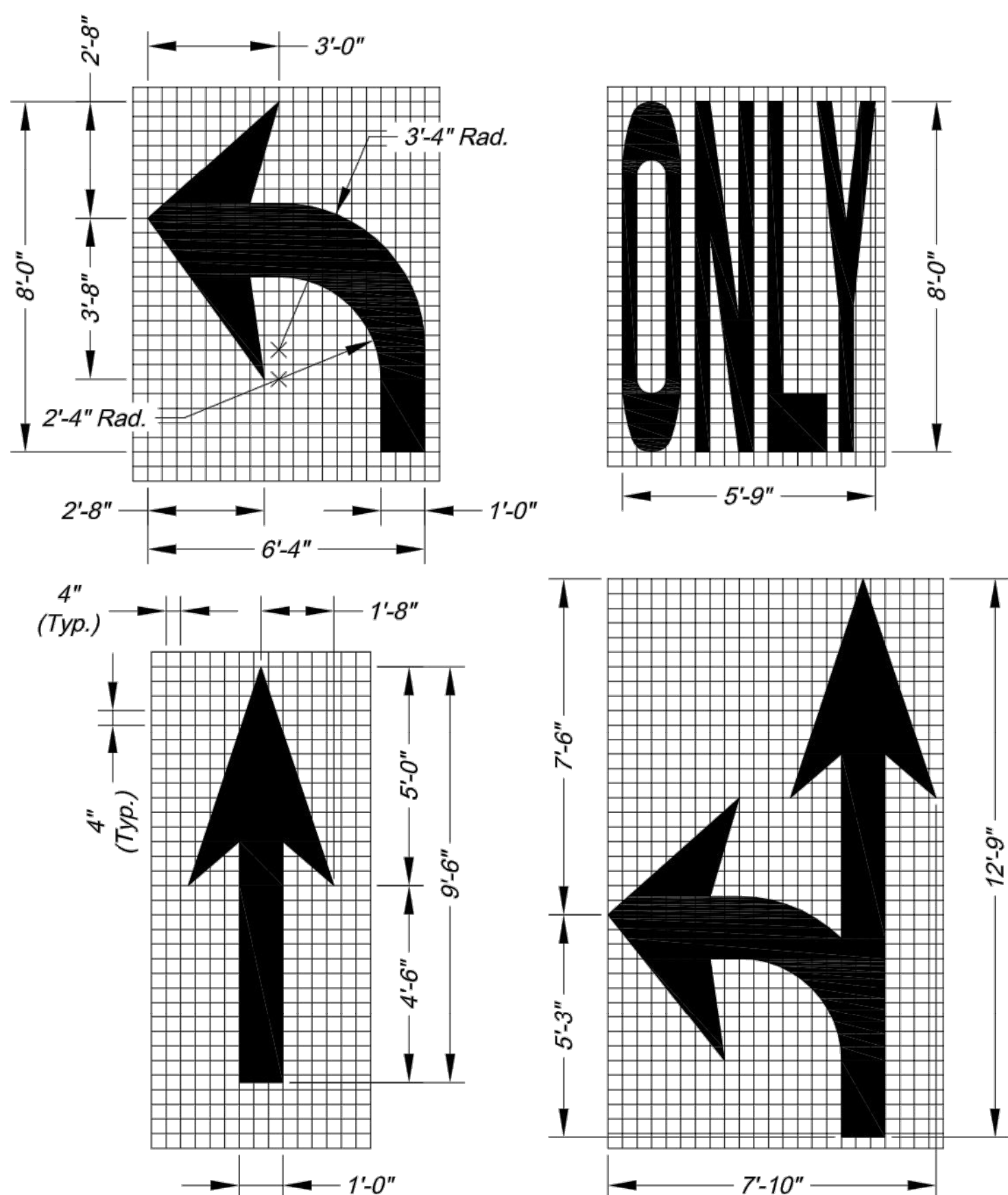


TYPICAL INTERSECTION MARKINGS

NOTES:
1. Transverse crosswalk lines shall be installed such that the distance between lines is at least 6 or 10 feet.
2. Stop lines are required at signalized intersections, on multi-lane stop controlled approaches, or in front of crosswalks at controlled intersections.

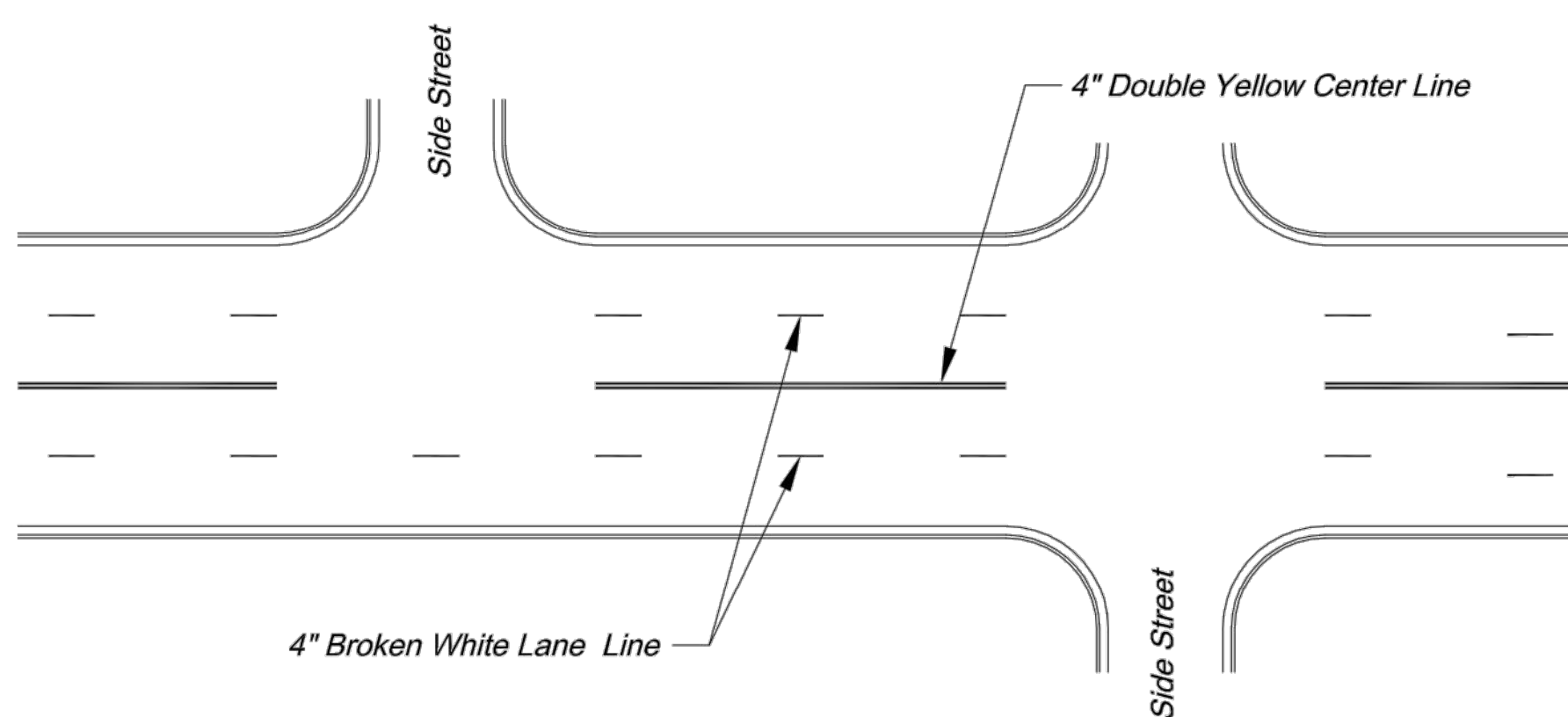


TYPICAL MIDBLOCK OR SCHOOL CROSS WALK

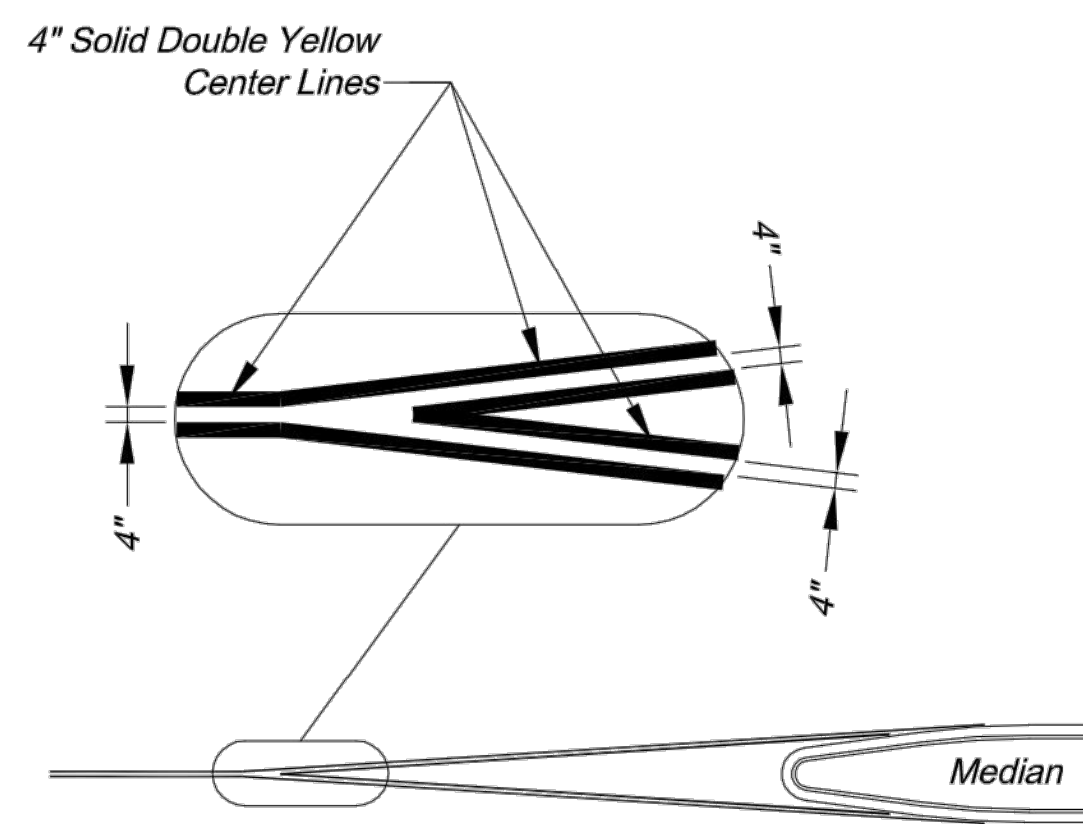


ARROW AND SYMBOL DETAILS

NOTES:
1. All arrow and symbol markings shall be white, and shall be centered in their respective traffic lanes.
2. Right-turn and combination right-turn/straight arrows are reverse of arrows shown.

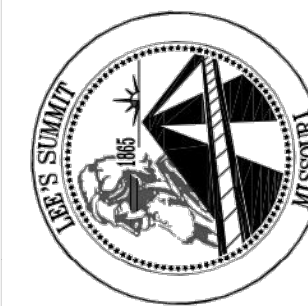


TYPICAL MARKINGS FOR FOUR-LANE UNDIVIDED ROADWAY



TYPICAL MEDIAN NOSE CENTER LINE DETAIL

PAVEMENT MARKING GENERAL NOTES:
1. All pavement markings shall be in accordance with the latest edition of the *Manual on Uniform Traffic Control Devices (MUTCD)*.
2. All words and symbols shall conform to the latest edition of *Standard Alphabets for Highway Signs and Pavement Markings* printed by the U.S. Department of Transportation, Federal Highway Administration.
3. Pavement markings, either temporary or permanent are required at all times if the roadway is open to traffic.
4. All pavement markings that conflict with the desired markings shall be completely removed. Removals shall not leave the road surface scarred with an image that misleads traffic. Any excess damage or scarring of pavement shall be repaired at the Contractor's expense.
5. The proposed permanent markings shall be laid out by the Contractor in advance of the marking installation. Markings shall not be applied until the layout has been approved by the City Traffic Engineer.
6. Center lines shall be marked on all undivided arterial streets, and any other undivided street with more than two lanes and/or a speed limit of 30 mph or more.
7. Edge lines shall be marked on all non-curbed streets.



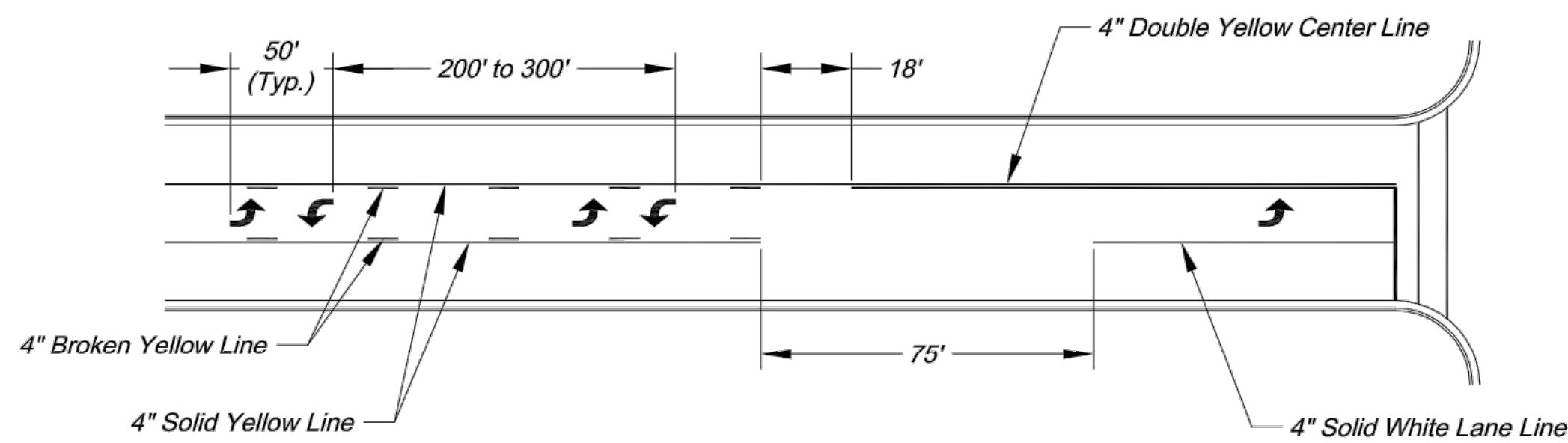
CITY OF LEE'S SUMMIT
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
PHONE: (816) 969-1800 FAX: (816) 969-1809

Project: O'REILLY DEVELOPMENT SENIOR LIVING

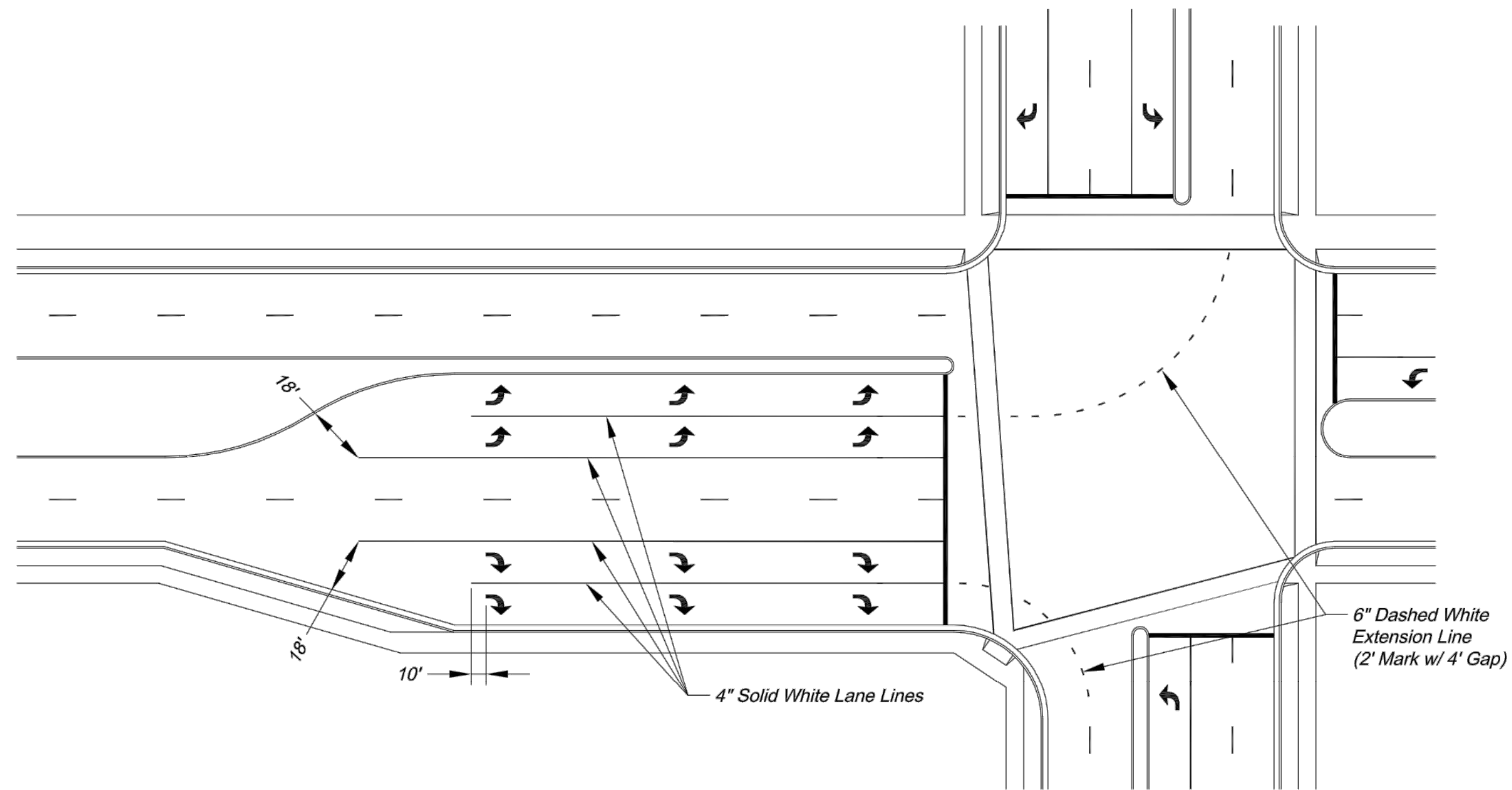
ROADWAY MARKING DETAILS

Sheet Name: STANDARD DRAWING PM-1

Drawn By: AS
Checked By: JW
Date: 09/09/2009
Project#

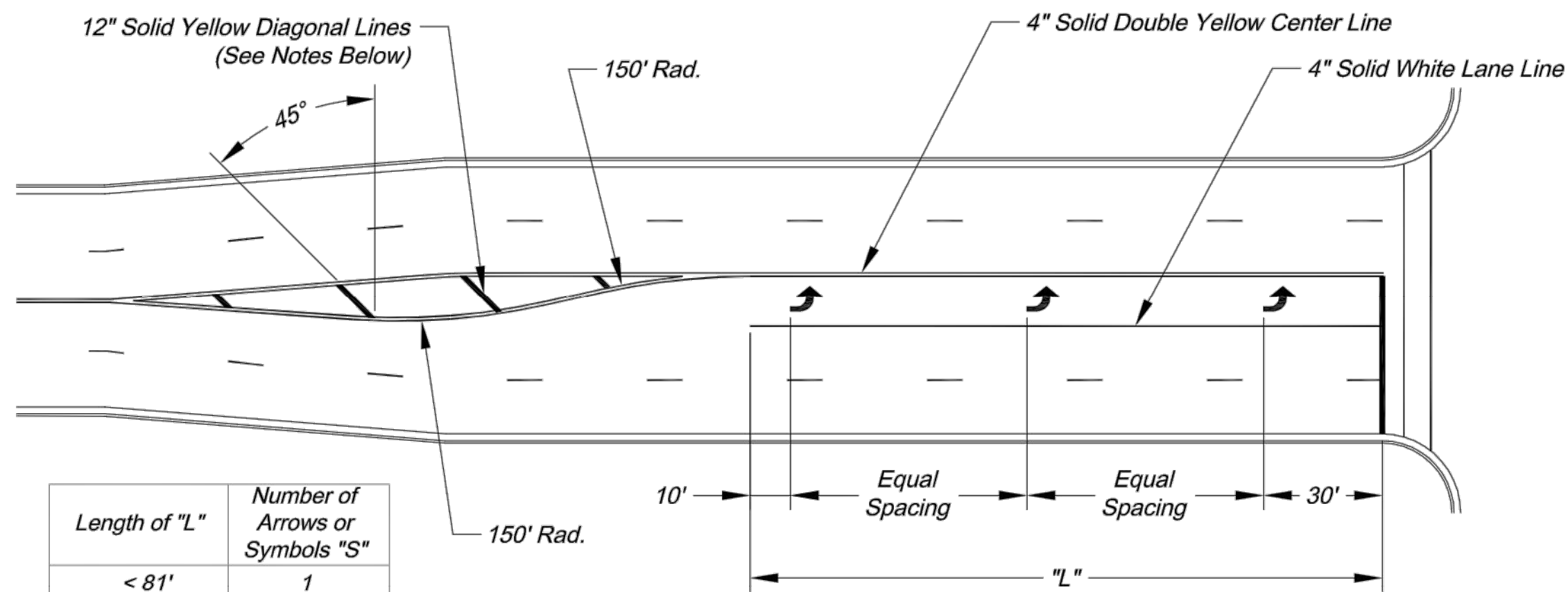


TYPICAL MARKINGS FOR TWO-WAY LEFT-TURN LANE



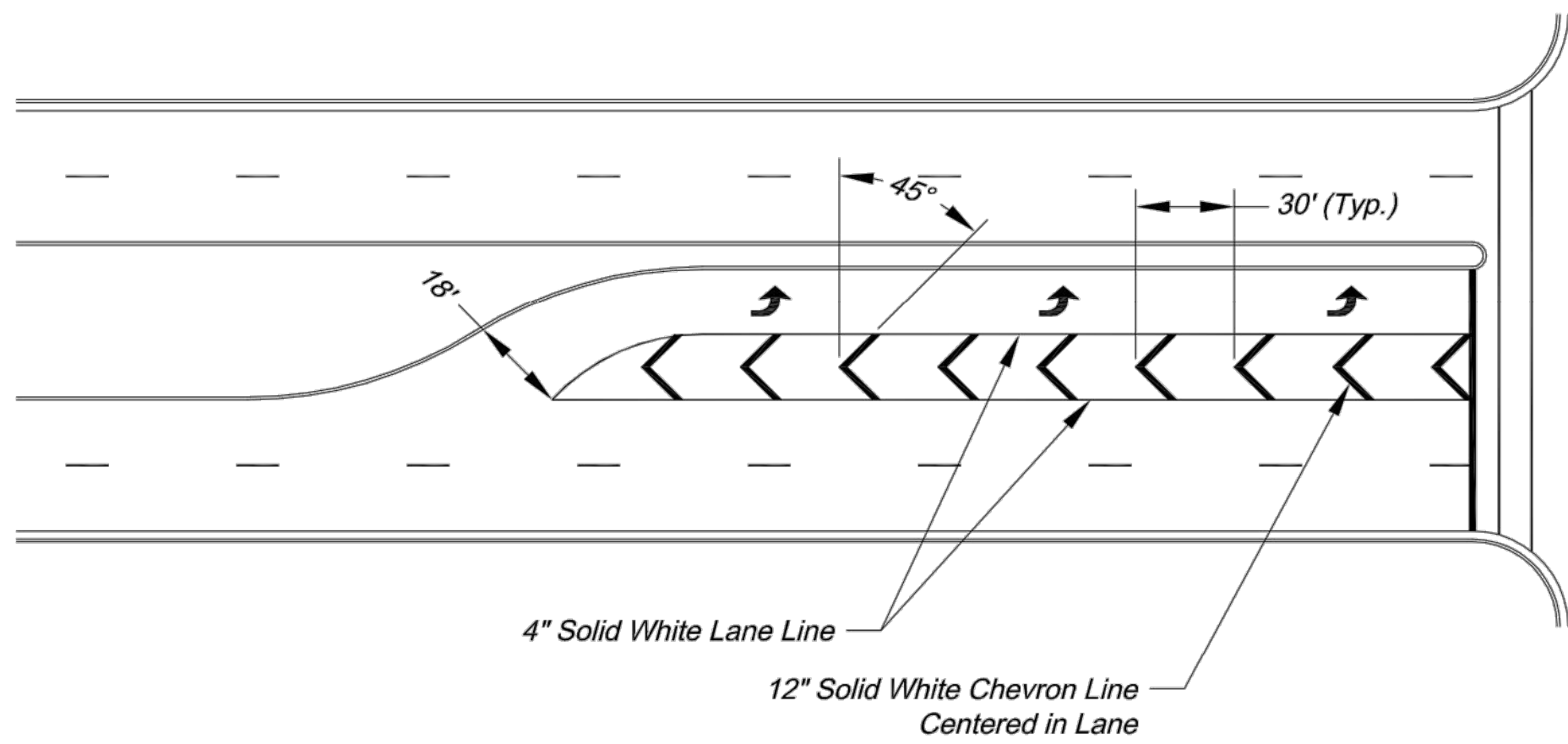
TYPICAL DUAL TURN LANE MARKINGS

NOTE:
1. Dashed extension lines shall not extend through crosswalks.



TYPICAL TURN LANE MARKINGS

NOTES:
1. Diagonal lines are required between centerlines if the width of the area between the center lines is greater than 12' and/or the length of the area between center lines is greater than 250'.
2. Diagonal lines should be spaced at 5' increments, equal to the posted speed limit.
3. Equal Spacing is calculated as $(L - 40) / (S - 1)$.
4. When a through lane of traffic terminates as a mandatory turn lane, Arrow and "ONLY" symbols should be marked in the turn lane, in alternating order. The first and last symbols should be Arrows.



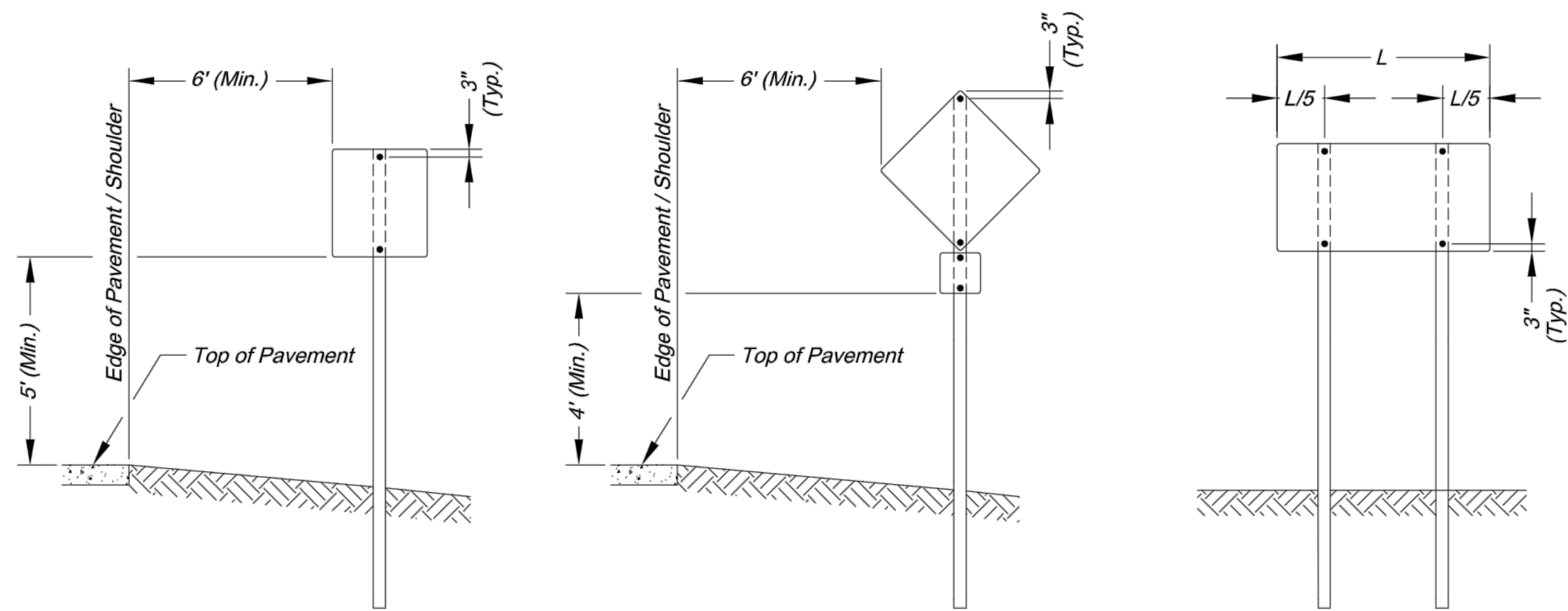
TYPICAL STRIPED OUT TURN LANE MARKINGS



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Project: O'REILLY DEVELOPMENT SENIOR LIVING
INTERSECTION MARKING DETAILS
Sheet Name: STANDARD DRAWING PM-2

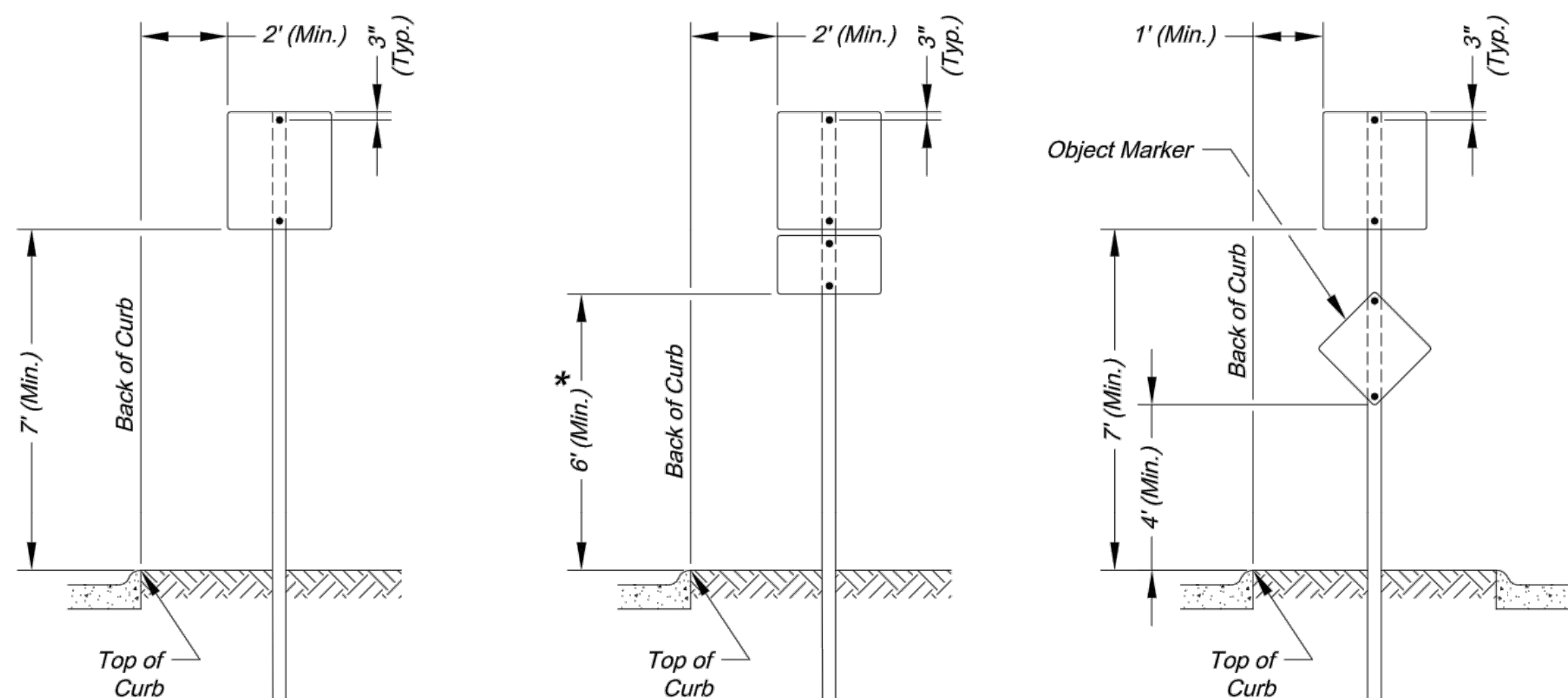
Drawn By: AS
Checked By: JW
Date: 09/09/2009
Project#



SIGN INSTALLATION FOR
NON-CURBED STREET

SIGN INSTALLATION WITH
AUXILARY SIGN FOR
NON-CURBED STREET

SIGN INSTALLATION WITH
TWO SIGN POSTS



SIGN INSTALLATION FOR
CURBED STREET

SIGN INSTALLATION WITH
AUXILARY SIGN FOR
CURBED STREET

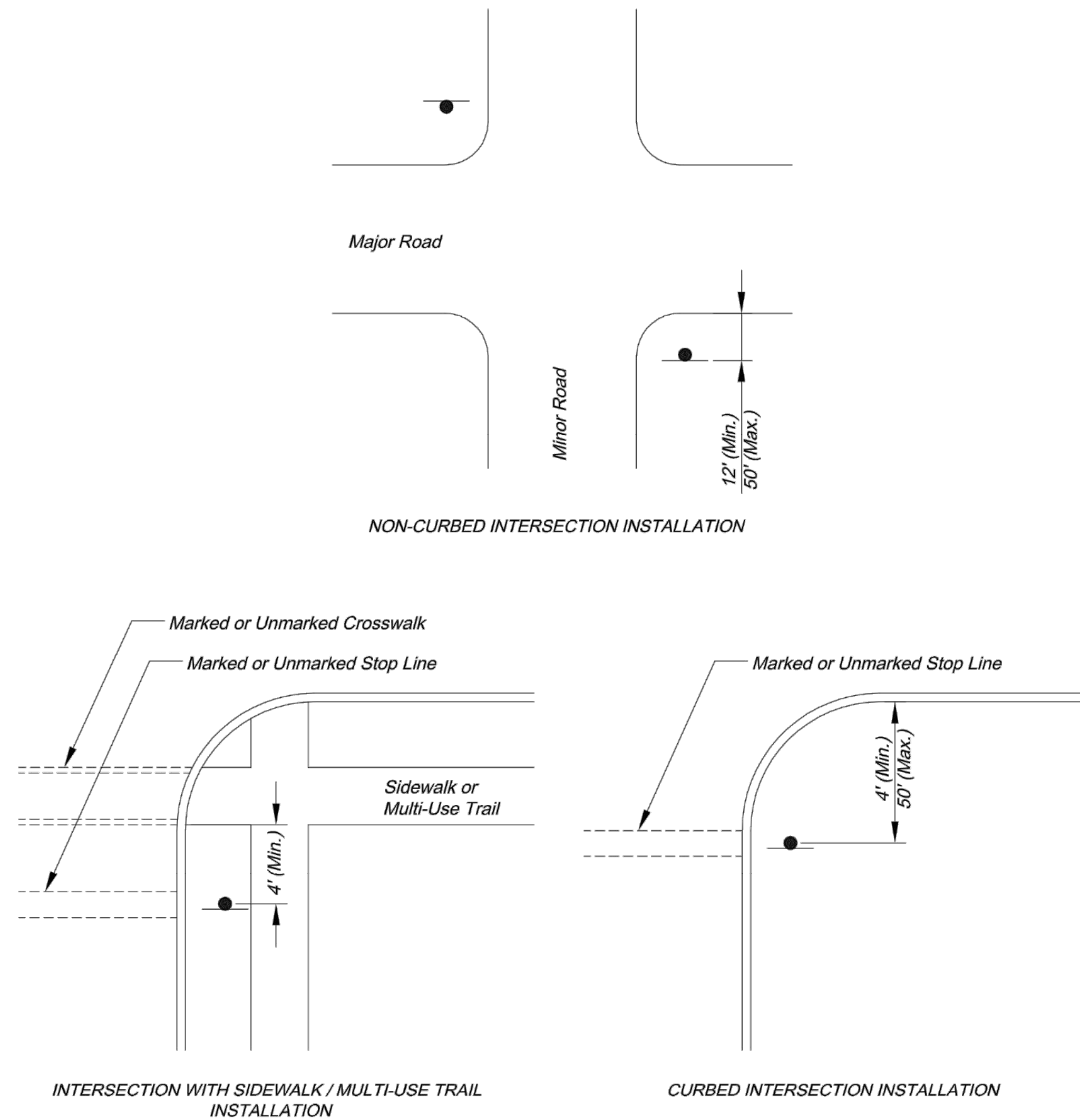
SIGN INSTALLATION FOR
RAISED MEDIANS

SIGN MOUNTING DETAILS

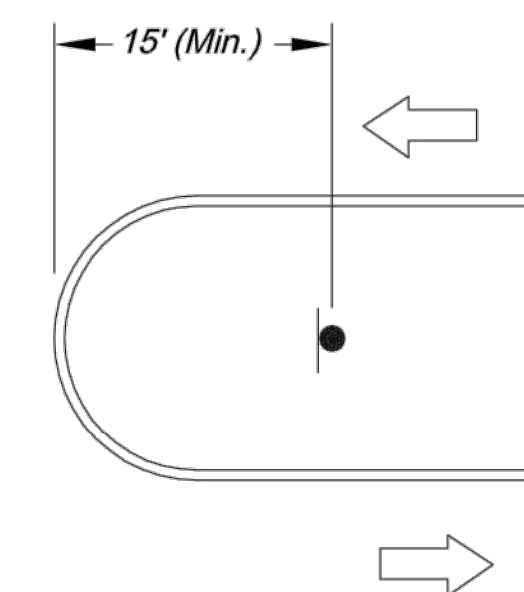
* The height to the bottom of a sign when it is located in a pedestrian walkway or extends into a walkway shall be a minimum of 80 inches above the walkway.

NOTE:

- Generally, the sign mounting height should not be more than 1' greater than the minimum mounting height.



CONTROL SIGN LOCATION



TYPICAL MEDIAN SIGN LOCATION

MEDIAN SIGN LOCATION

NOTES:

- A 4" P.V.C. sleeve shall be installed in new concrete medians at each location where a sign is to be installed.
- For existing concrete medians, a 4" hole shall be cored into the concrete.



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ENGINEERING DIVISION
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
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Project: O'REILLY DEVELOPMENT SENIOR LIVING

SIGN MOUNTING DETAILS

Sheet Name: STANDARD DRAWING SN-1

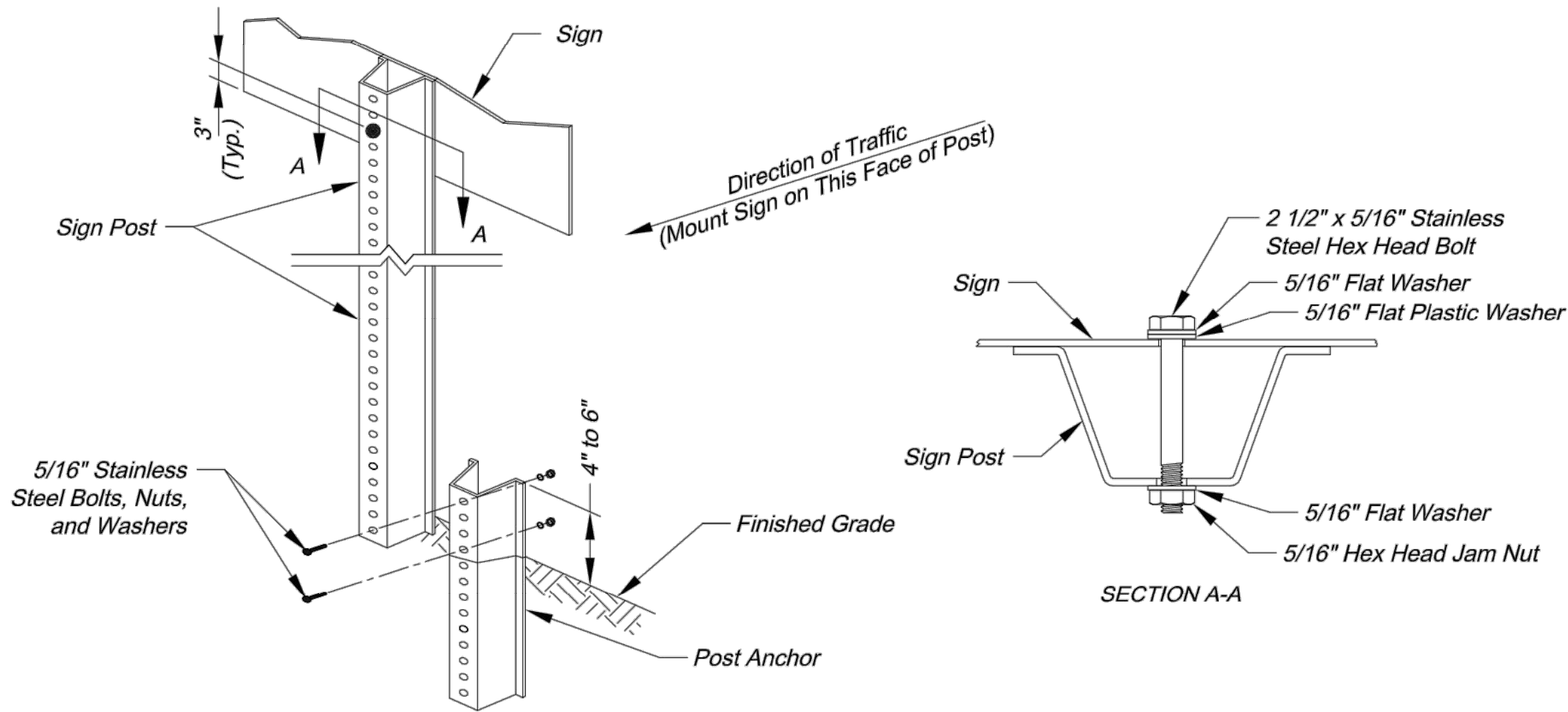
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Checked By: JW

Date: 08/26/2009

Project#

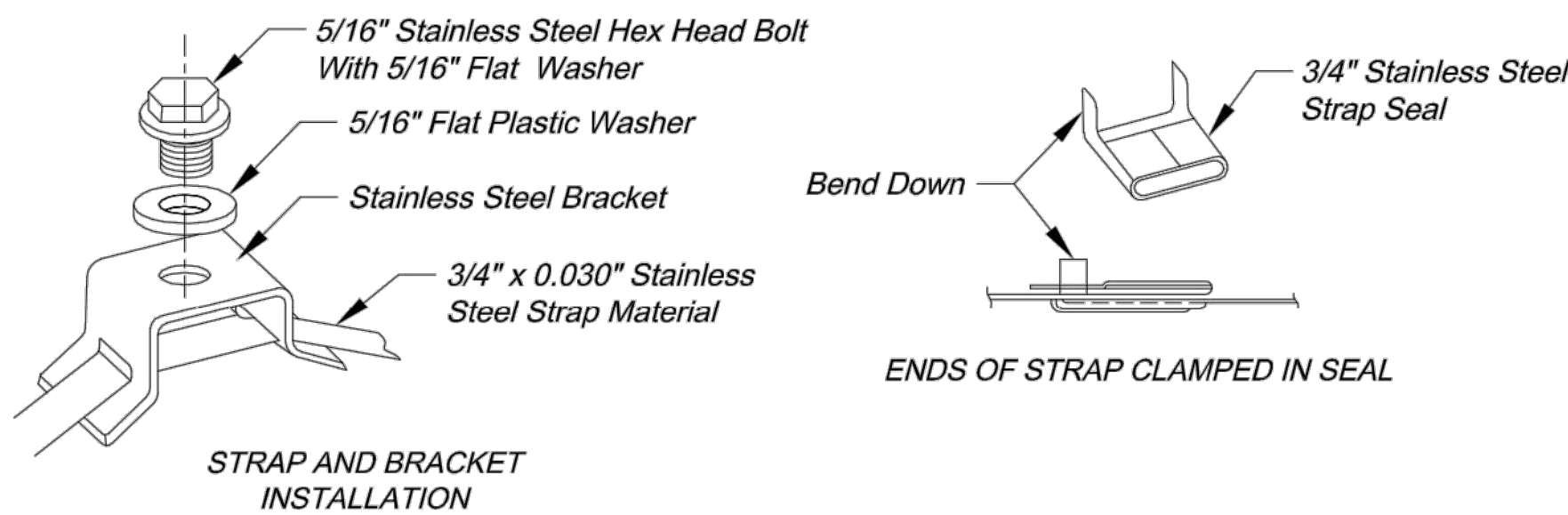
T30



U-STEEL POST DETAILS

U-STEEL POST NOTES:

1. Splice shall be positioned entirely between finished grade line and 18" above finished grade line. Only one splice will be allowed per post.
2. U-Steel post shall be 3 lb./ft., galvanized according to ASTM A123.
3. U-Steel post can be used for installation of signs with an area of less than 2.5 square feet.
4. All posts shall be embedded a minimum of 3 feet.



STRAP TYPE SIGN SUPPORT DETAILS

METAL POLE SIGN MOUNTING NOTES:

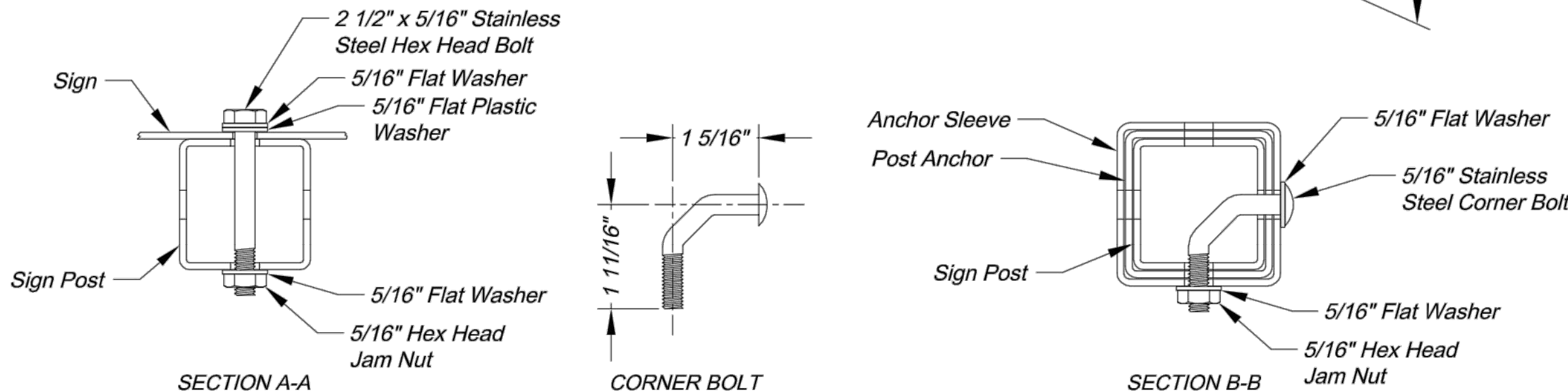
1. Signs on metal poles shall be attached with two brackets and stainless steel bands.
2. Holes in sign for attachment to the mounting brackets shall be offset a minimum of 2 inches from the edge of the sign.
3. Holes in sign shall be located such that the sign is level.
4. All strap, bracket, and seal materials should be Type 201 stainless steel.

PERMANENT SIGNING GENERAL NOTES:

1. All signing shall be in accordance with the latest edition of the *Manual on Uniform Traffic Control Devices (MUTCD)*.
2. The Contractor is responsible for avoiding any and all utilities when installing sign posts, whether the utility is indicated on the plans or not.
3. All workmanship and materials shall be subject to the inspection and approval of the Public Works Department of the City of Lee's Summit.
4. The Contractor shall stake the location of all sign posts to be installed. The City Inspector shall inspect the staking prior to installation. Minor relocation to avoid conflicts may be allowed with the approval of the City Traffic Engineer or designee.
5. Signs shown to be installed on the side of metal poles shall be mounted with stainless steel straps or wing brackets as detailed. No signs are to be installed on wood poles. See Traffic Signal Standard Drawings for the installation of signs on mast arms.
6. All post mounted signs shall be installed with breakaway anchors according to the Standard Drawings.
7. All existing signs will be used in place during construction and protected from damage unless otherwise indicated in the plans. If the Contractor damages any existing sign or posts during construction, the Contractor will be required to replace the damaged materials with new signs or posts of the same type and size at the Contractor's expense. The Contractor shall be responsible for removing and storing any signs that are to be reinstalled on the project. All equipment shall be reinstalled in good condition.
8. Existing permanent signs and posts removed by the Contractor for construction purposes which are not to be reinstalled shall be delivered to the City's Public Works Maintenance Facility (1971 SE Hamblen Road). The Contractor shall be responsible for removing and storing equipment in good condition and is fully responsible for the equipment until it is delivered.
9. All Stop, Yield, or street name signs shall be maintained in a conspicuous location for the driving public. All Stop and Yield signs removed for construction purposes can be temporarily erected in reflectorized drums (no less than 7 feet above the pavement surface) until they can be reinstalled. Any temporary Stop or Yield sign installation to be left in place overnight will require prior approval from the City Inspector.

SQUARE STEEL POST INSTALLATION SEQUENCE:

1. Sign post anchor driven partially into the ground using a drive cap with a sledge or power equipment.
2. Anchor sleeve slipped over anchor and drive into the ground together with the sign post anchor.
3. Insert sign post into the post anchor and bolt in place.



SQUARE STEEL POST DETAILS

SQUARE STEEL POST NOTES:

1. Square steel sign posts and break-away anchor shall consist of the following materials:
 - Sign Post - 14 Ga. 2" x 2" Square Steel Post
 - Post Anchor - 12 Ga. 2 1/4" x 2 1/4" x 36" Square Steel Post
 - Anchor Sleeve - 12 Ga. 2 1/2" x 2 1/2" x 18" Square Steel Post
2. 14 Gauge posts must meet a certified minimum yield strength of 60,000 psi.
3. In all installations the first hole above the finished grade line on the sign post, anchor, and anchor sleeve must be in line for the insertion of the corner bolt.
4. The maximum area for one sign post is 9.0 square feet. A sign or combination of signs with an area greater than 9.0 square feet will require two posts. Also, signs with a width greater than 36" (not including 36" x 36" diamond shaped signs) will require two posts.



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PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
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Project: O'REILLY DEVELOPMENT SENIOR LIVING

SIGN POST DETAILS

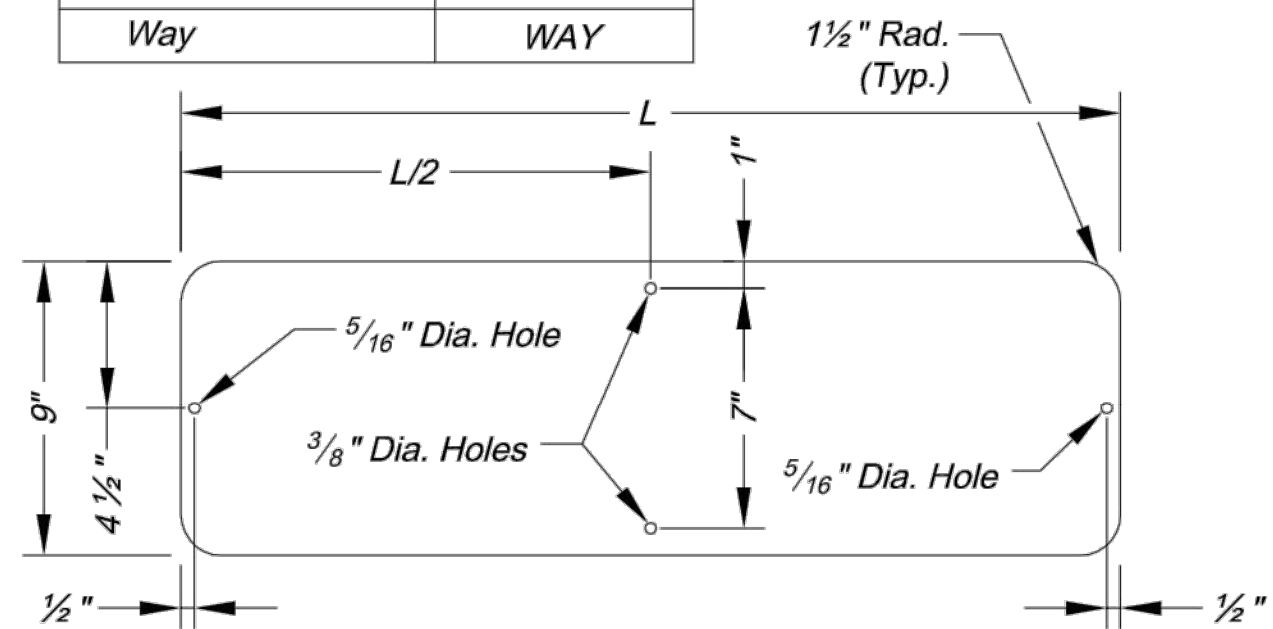
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Drawn By: AS
Checked By: JW
Date: 08/26/2009
Project#

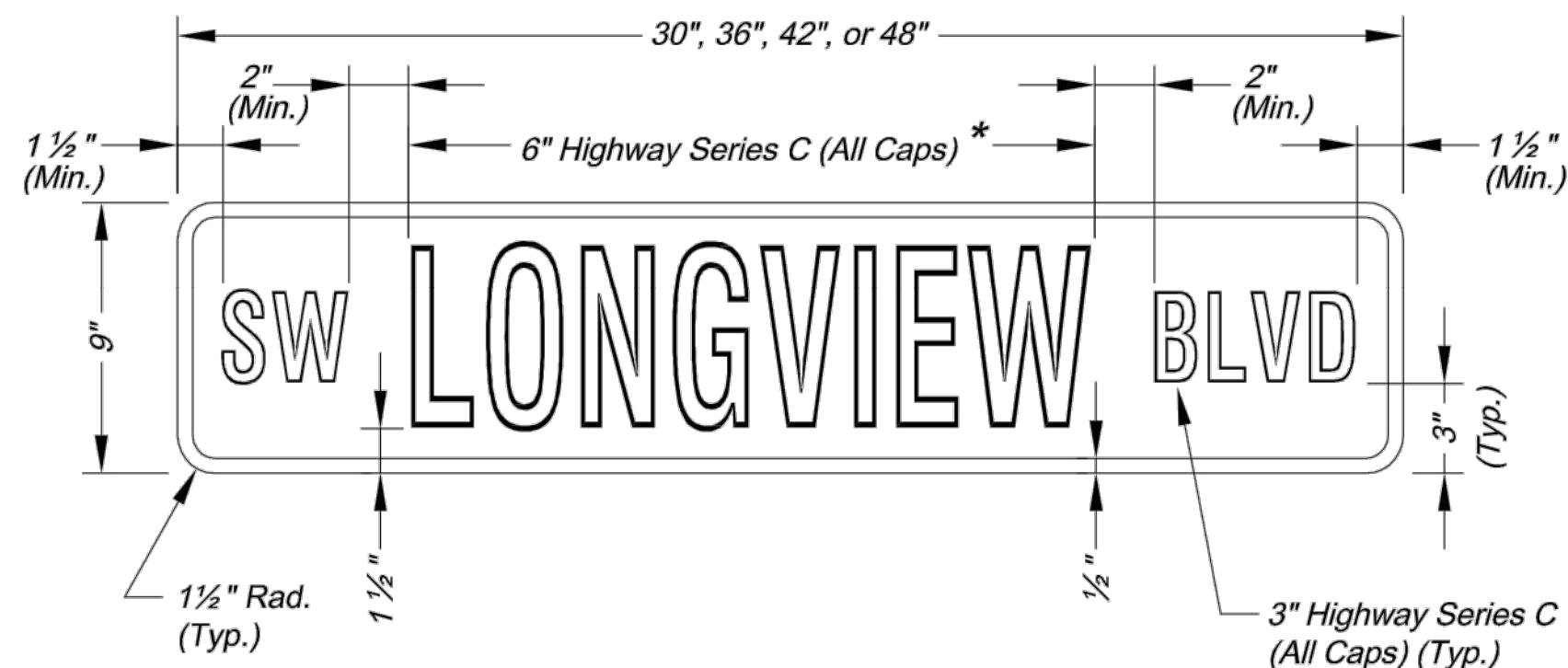
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<i>Boulevard</i>	<i>BLVD</i>
<i>Circle</i>	<i>CIR</i>
<i>Creek</i>	<i>CR</i>
<i>Court</i>	<i>CT</i>
<i>Crossing</i>	<i>XING</i>
<i>Drive</i>	<i>DR</i>
<i>Highway</i>	<i>HWY</i>
<i>Lane</i>	<i>LN</i>
<i>Parkway</i>	<i>PKWY</i>
<i>Place</i>	<i>PL</i>
<i>Road</i>	<i>RD</i>
<i>Street</i>	<i>ST</i>
<i>Terrace</i>	<i>TER</i>
<i>Trail</i>	<i>TRL</i>
<i>Way</i>	<i>WAY</i>

Numbered Streets	
First	ST
Second	ND
Third	RD
Fourth to Tenth	TH

<i>Sign Designation</i>	<i>Sign Size</i>	<i>Sign Area (Sq. Ft.)</i>	<i>Number</i>	<i>Quantity (Sq. Ft.)</i>
D3-1 (SP-1)	9" x 48"	3	2	6
D3-1 (SP-2)	9" x 48"	3	2	6

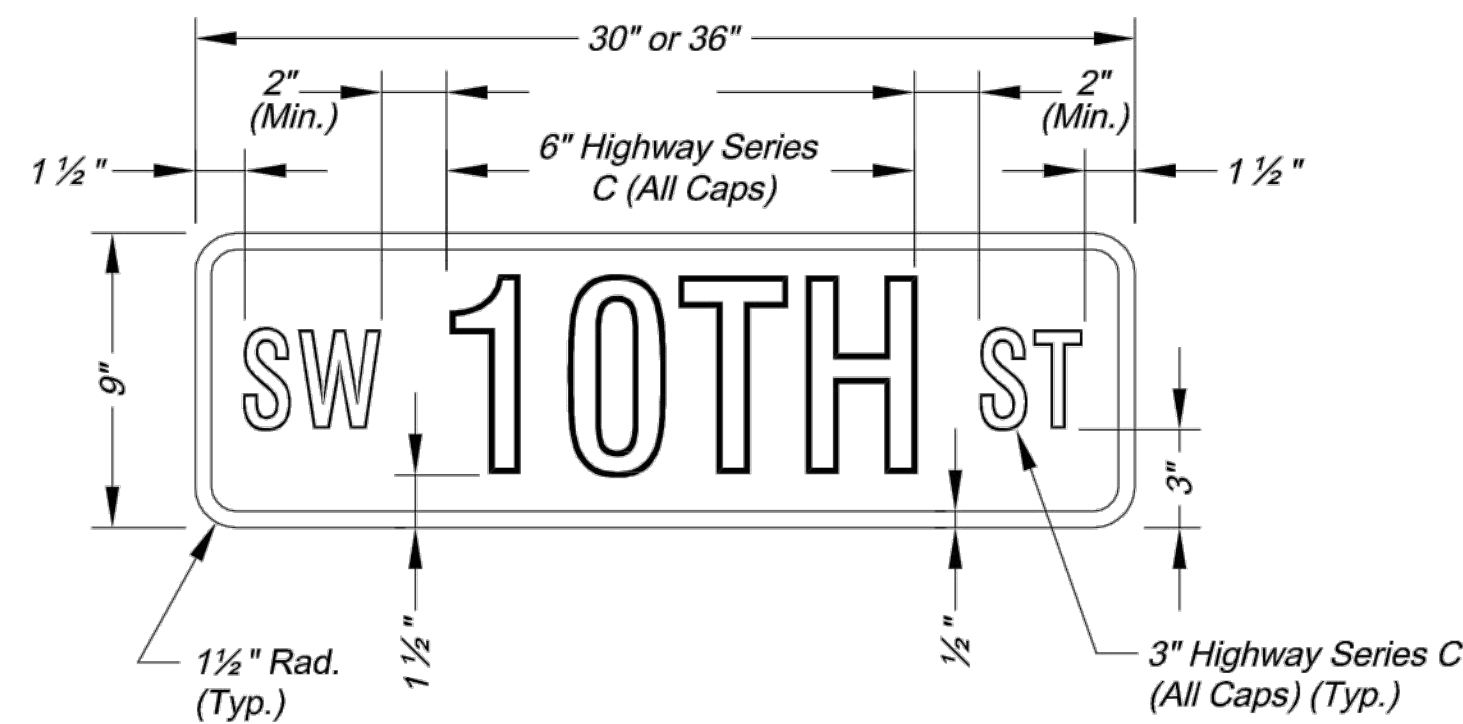


For Mounting on Square Steel Posts



NAMED STREET NAME SIGN DETAIL

* Use Highway Series B (All Caps) in lieu of series C if necessary to fit text on a 36" sign blank.



NUMBERED STREET NAME SIGN DETAIL

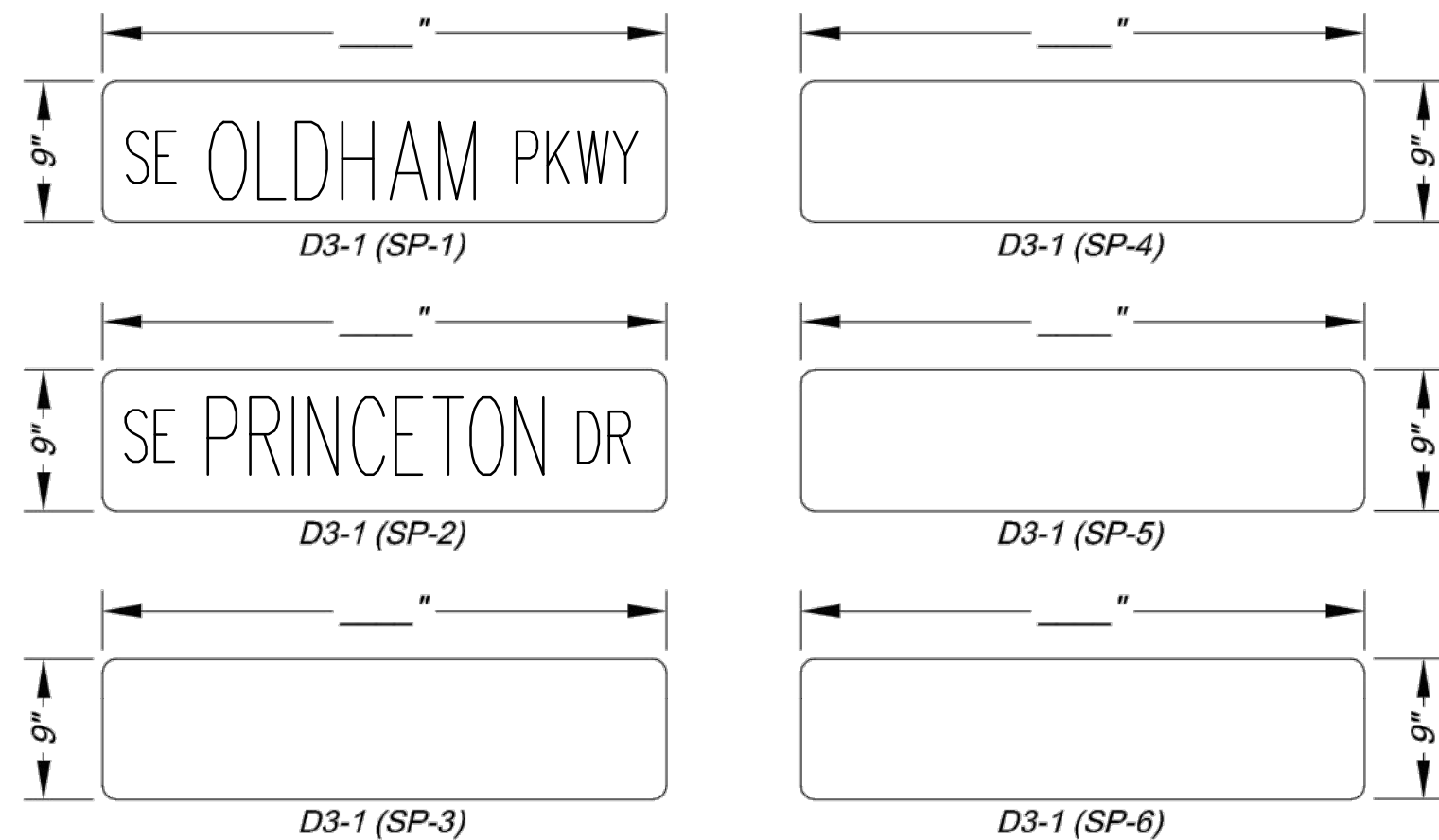
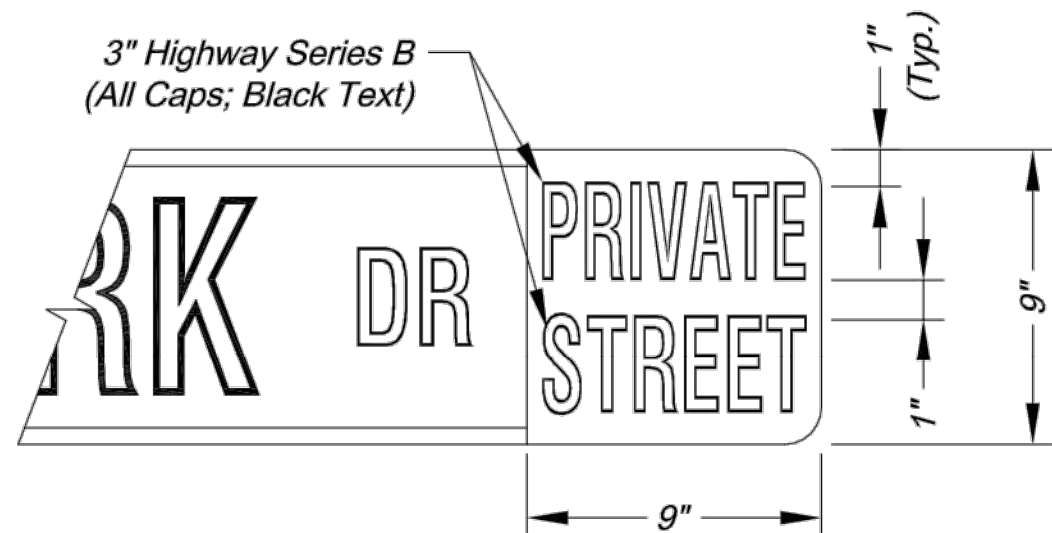


Diagram illustrating the dimensions and components of the Arrow Detail:

- Overall width: 6"
- Internal width: 3"
- Left side height: 1 1/2" (Min.)
- Left side height: 4 1/2"
- Right side height: 2" (Min.)
- Text: SW
- Text: LC
- Bottom height: 1 1/2"
- Bottom height: 2 1/4" (Typ.)

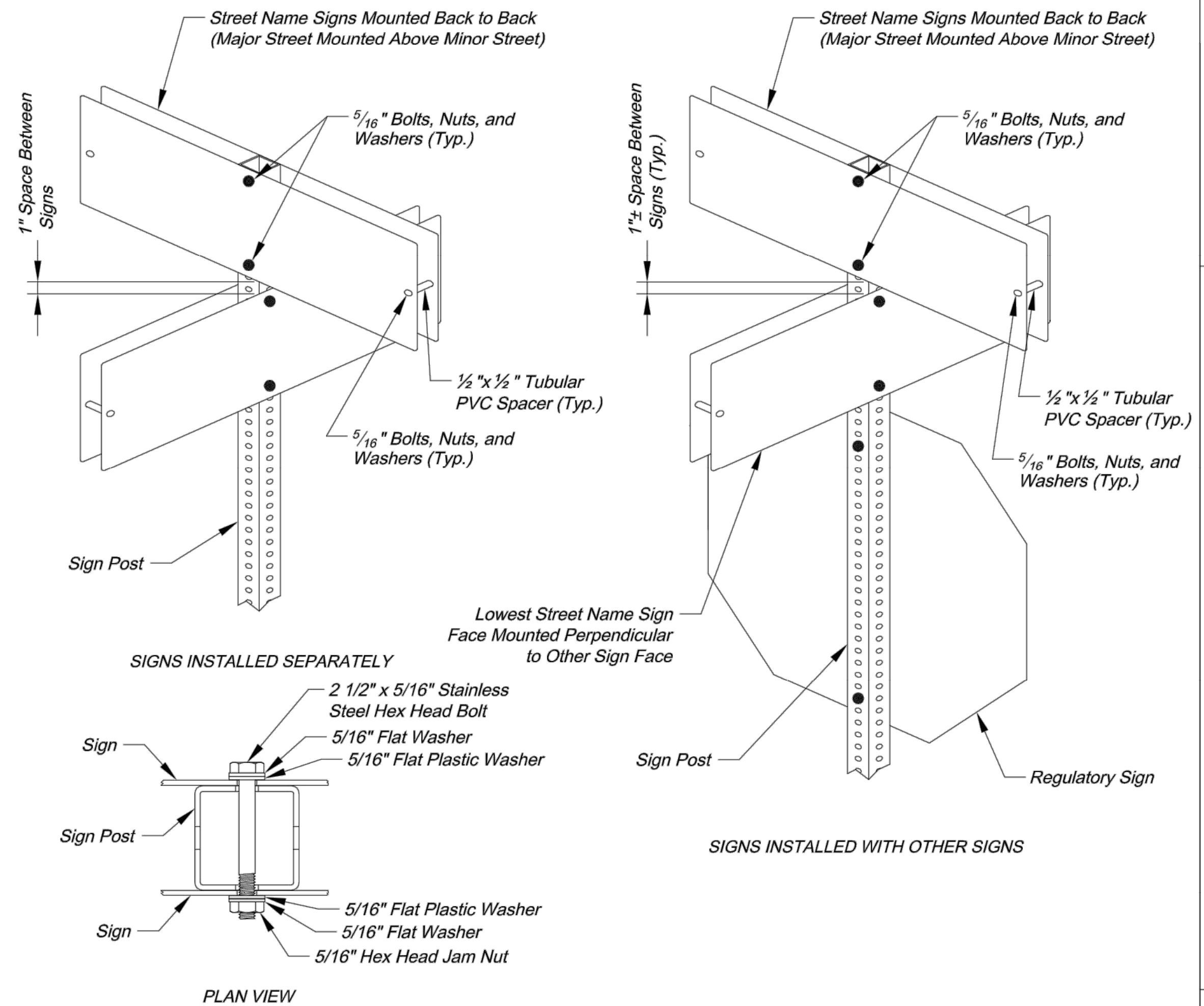
ARROW DETAIL

ARROW DETAIL



PRIVATE STREET TAG DETAIL

1. For all street name signs, the legend shall be white and the background shall be green.
2. Arrows shall be added to street name signs where the name of a street changes at an intersection. Street name signs with arrows are to be installed on each side of the intersection to indicate the change in names. Arrows shall be white.
3. The "PRIVATE STREET" tag should be added to the end of street name signs to indicate where a street that is outside the right-of-way intersects a public street. The background for the "PRIVATE STREET" tag shall be yellow.

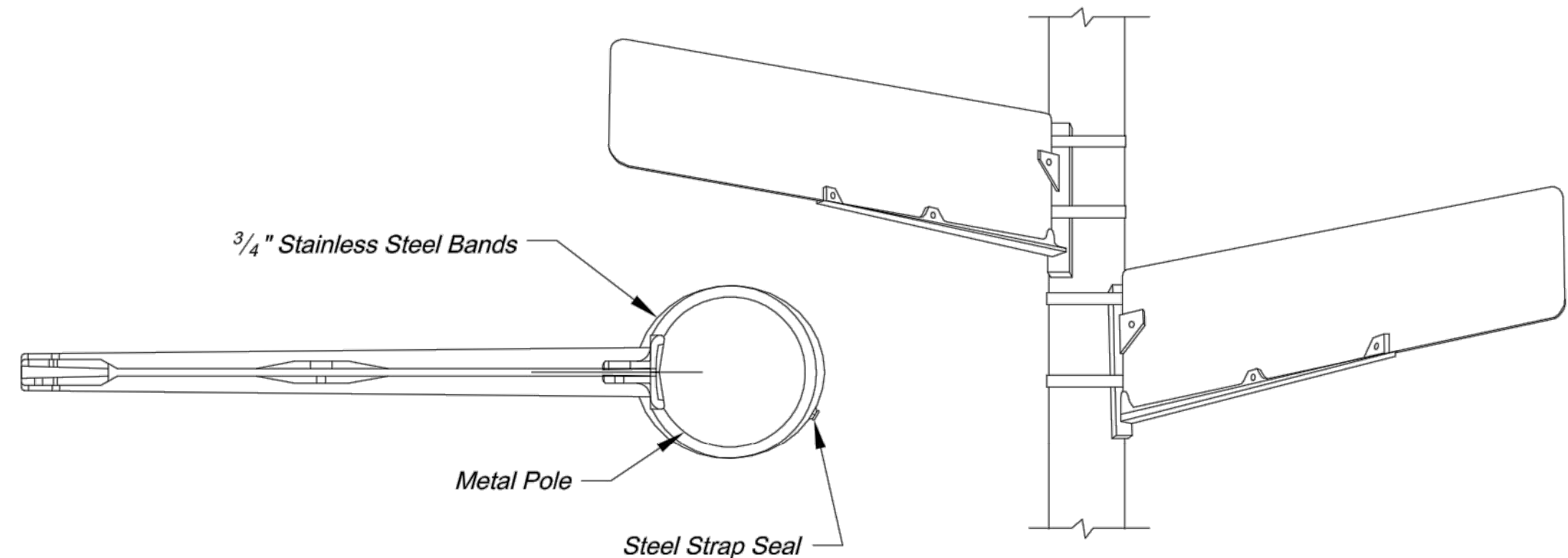


Technical drawing of the Wing Bracket Assembly. The side view shows a bracket with a total length of $16 \frac{1}{2}$ " or 24". The end view shows a bracket with a height of $8 \frac{1}{4}$ ". The drawing includes labels for "Set Screws (Typ.)" and " $\frac{11}{32}$ " Dia .Holes (Typ.)".

NOTES:

1. Wing bracket to be mounted to rigid frame.
2. Mount each bracket to wide stainless steel.
3. One wing bracket per cross bracket.

1. Wing bracket shall be an L-shaped cantilever of T-beam rigid frame 380-3 aluminum alloy construction.
2. Mount each wing bracket to metal pole using two 3/4" wide stainless steel straps.
3. One wing bracket shall be installed per each sign. Cross brackets are not allowed.



CITY OF LEE'S SUMMIT
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
PHONE: (816) 969-1800 FAX: (816) 969-1809



O'REILLY DEVELOPMENT SENIOR LIVING

STREET NAME SIGN DETAILS

STANDARD DRAWING SN-3



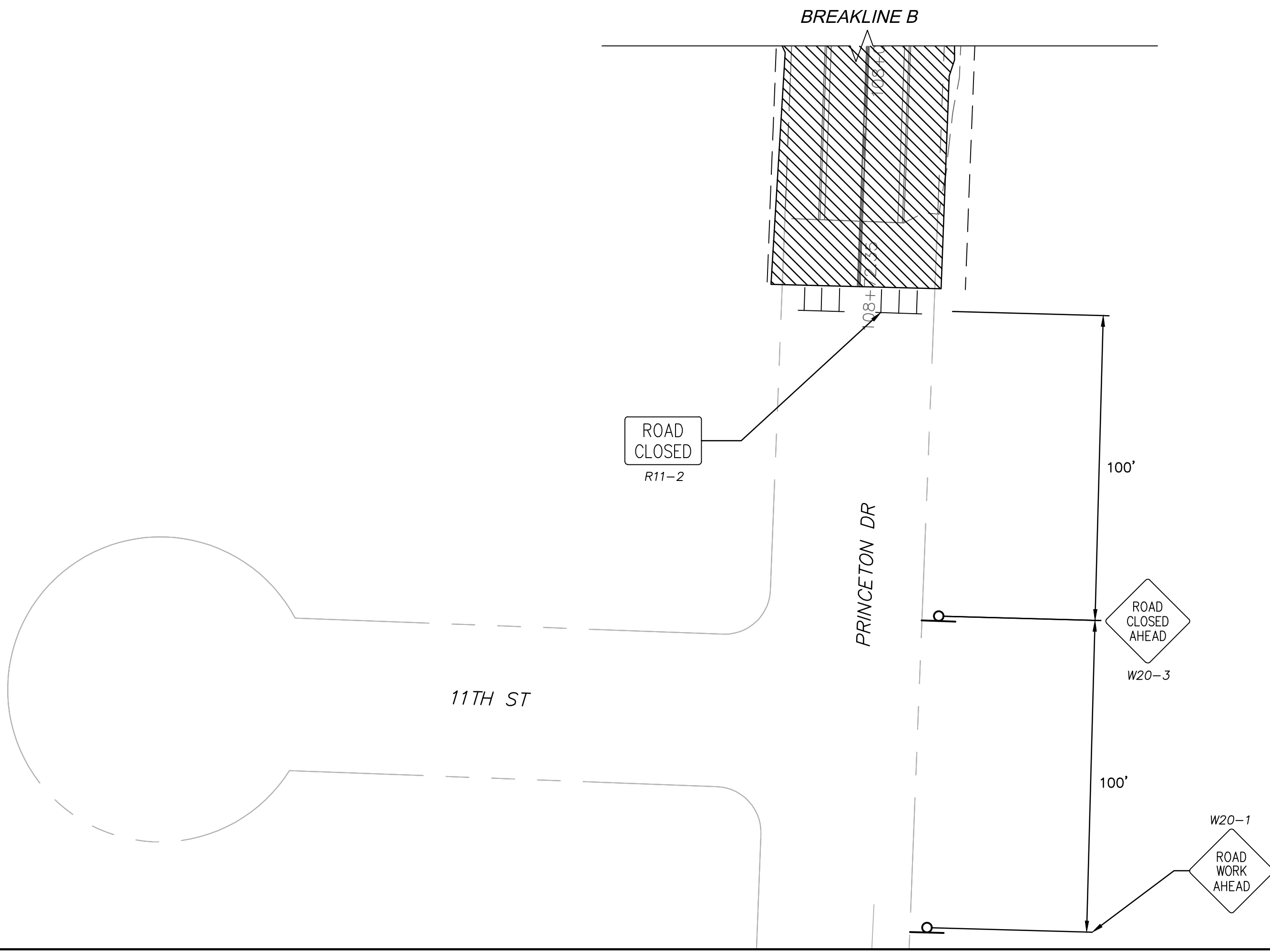
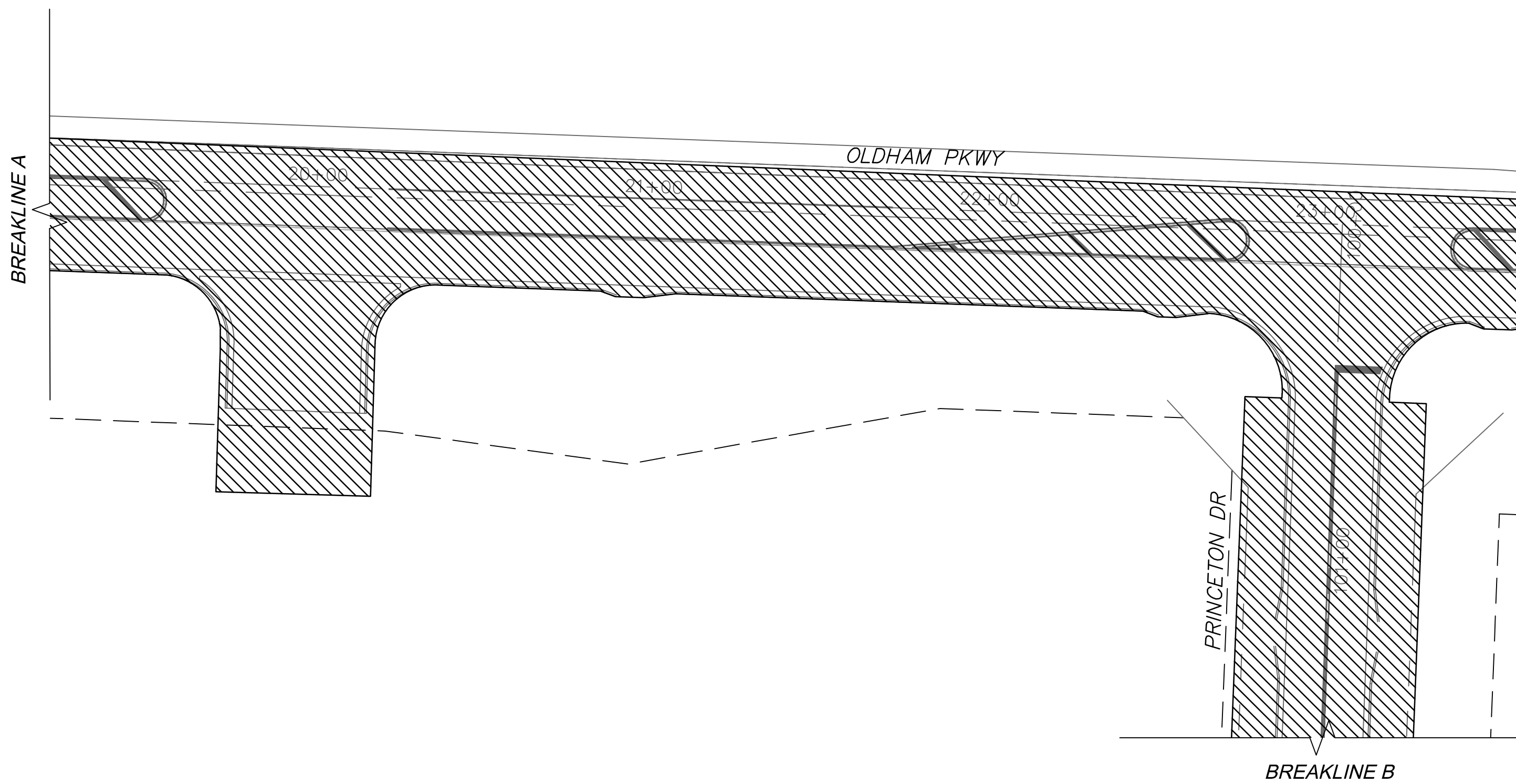
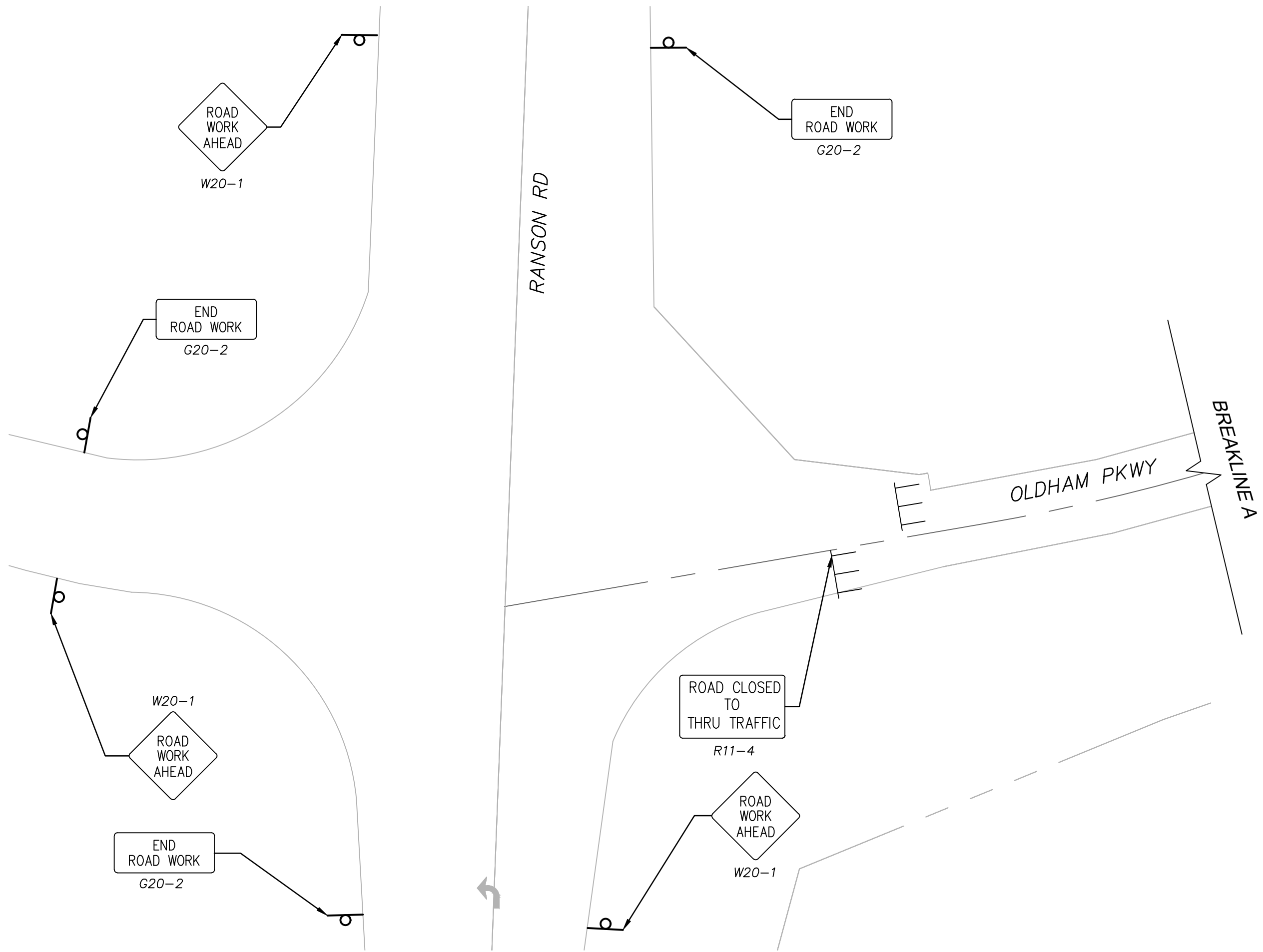
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Checked By: JW

Date: 08/26/2009

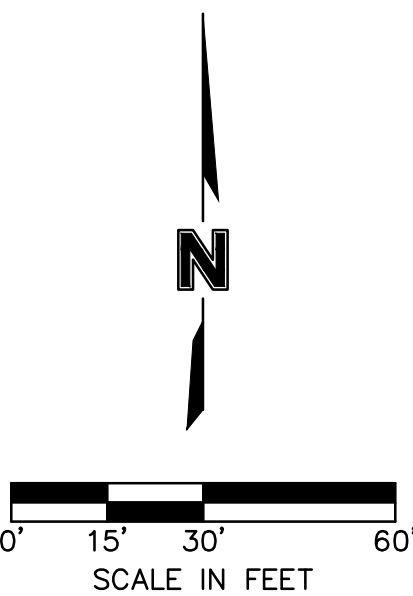
Project#

asaavedra
F_PTBLK_81450



LEGEND

 - Type III Barricade
 - Sign Symbol



TRAFFIC CONTROL					REV. NO.	DATE	REVISIONS DESCRIPTION	BY
OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS								
LEE'S SUMMIT, MISSOURI					2019	REVISIONS		
C.O.A. NO.: 001592								
DRAWN BY: LZ								
CHECKED BY: JAC								
APPROVED BY: JSS								
QA/QC BY: JSS								
PROJECT NO.: 018-1450								
DWG NO.: T. FTFC. 81450								
DATE: 07.18.19								
SHEET								
T33 OF 70								

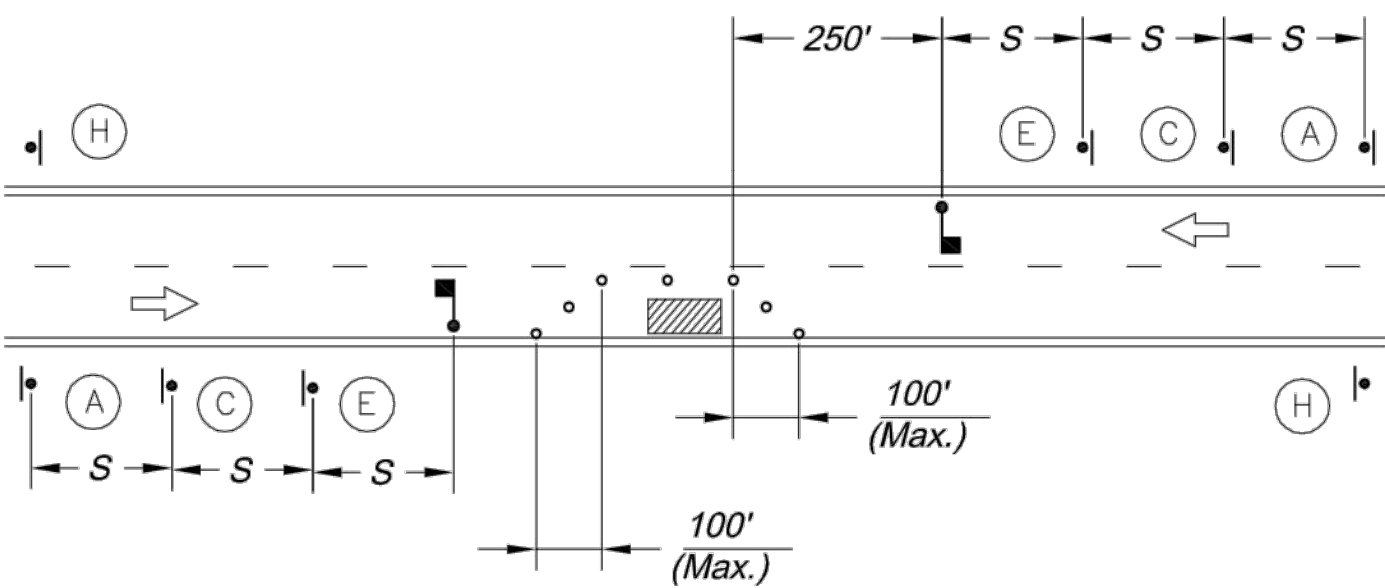


olson

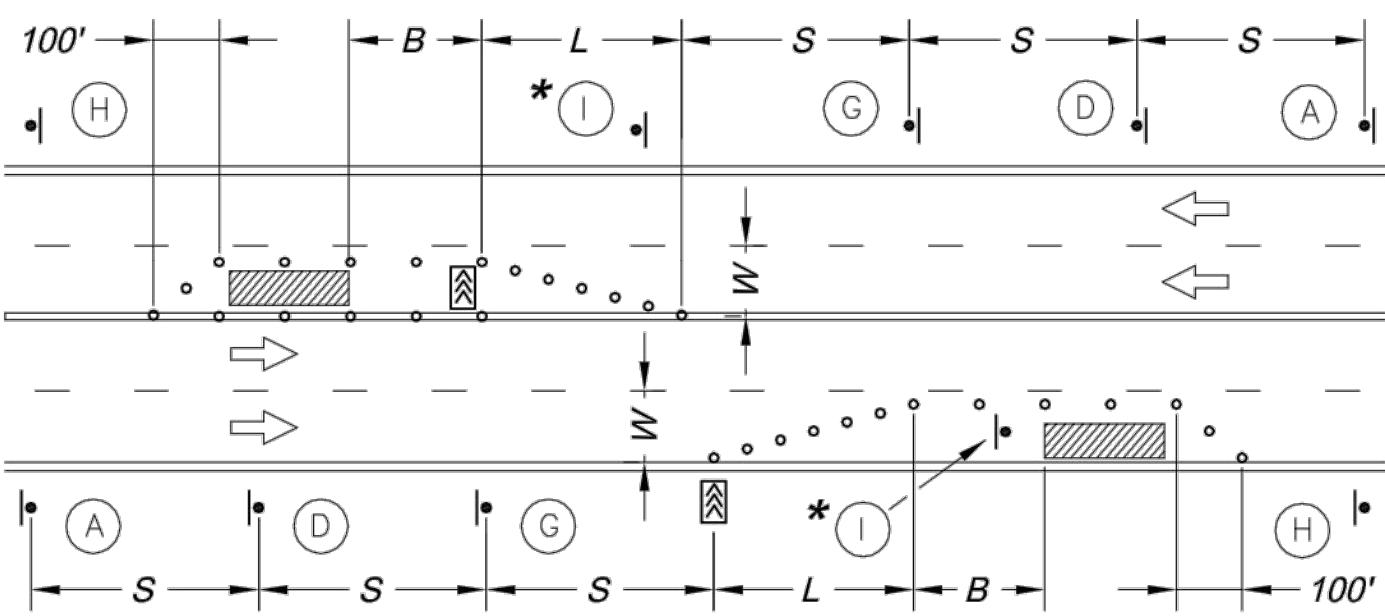
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Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com

SYMBOL LEGEND

- Work Area
- Sign
- Barricade
- Direction of Travel
- Channelizer
- Arrow Panel
- Flagger

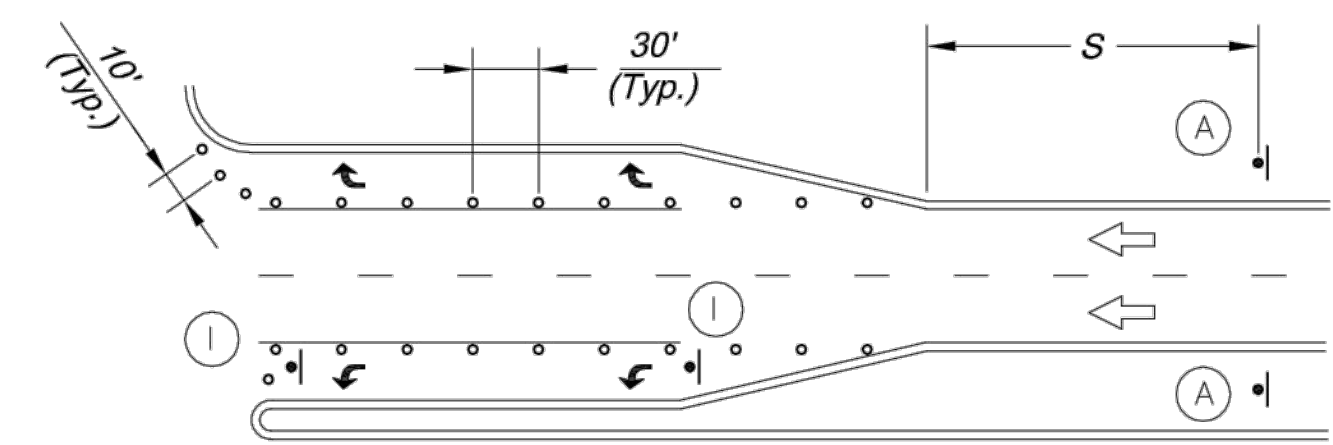


LANE CLOSURE - TWO LANE STREET



LANE CLOSURE - FOUR LANE STREET

* Install Signs Every 200 Feet Throughout the Closed Lane or As Needed



TURN LANE CLOSURE

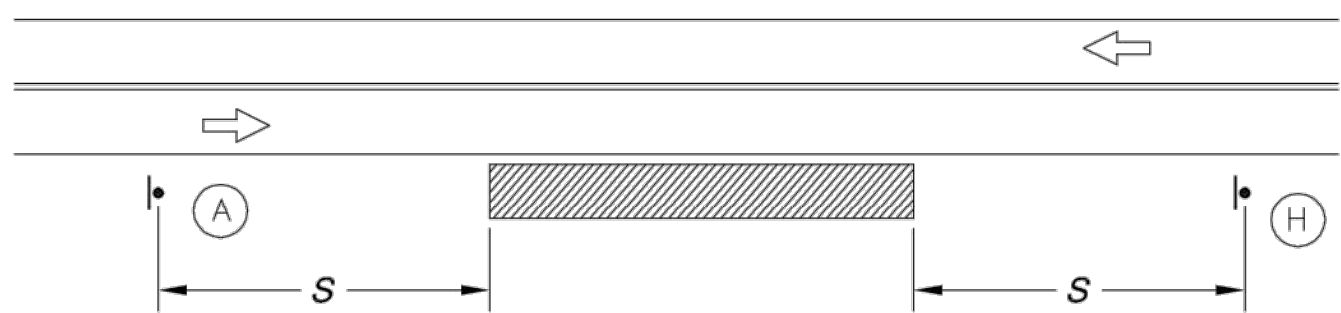
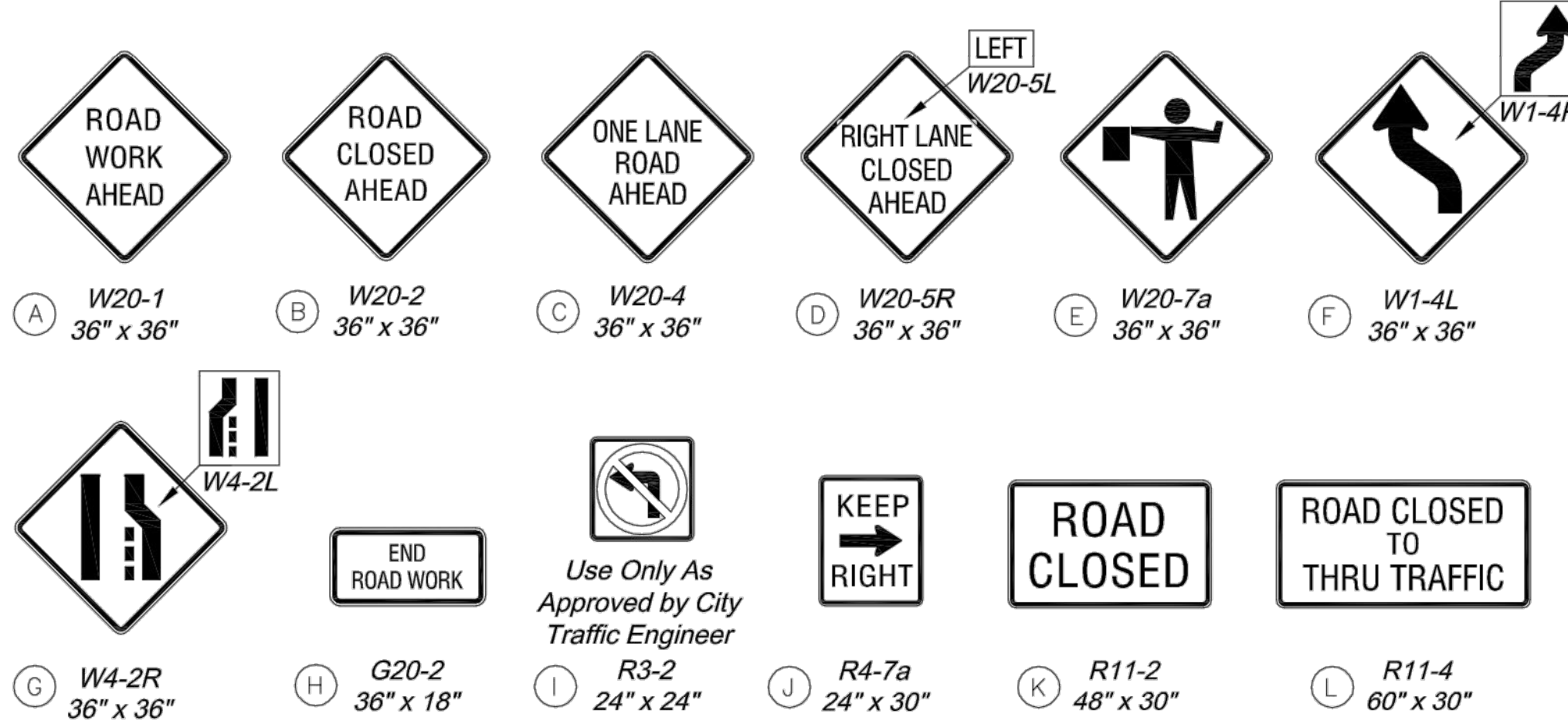
Sign Spacing "S"	
Speed Limit (mph)	Spacing (Feet)
25	100
30 - 35	250
≥ 40	350

Taper Dimensions (Feet)				
Speed Limit (mph)	Minimum Taper Length "L", per Lane Width "W"			Minimum Number of Channelizers
	10	11	12	
25	105	115	125	6
30	150	165	180	7
35	205	225	245	8
40	270	295	320	9
45	450	495	540	13

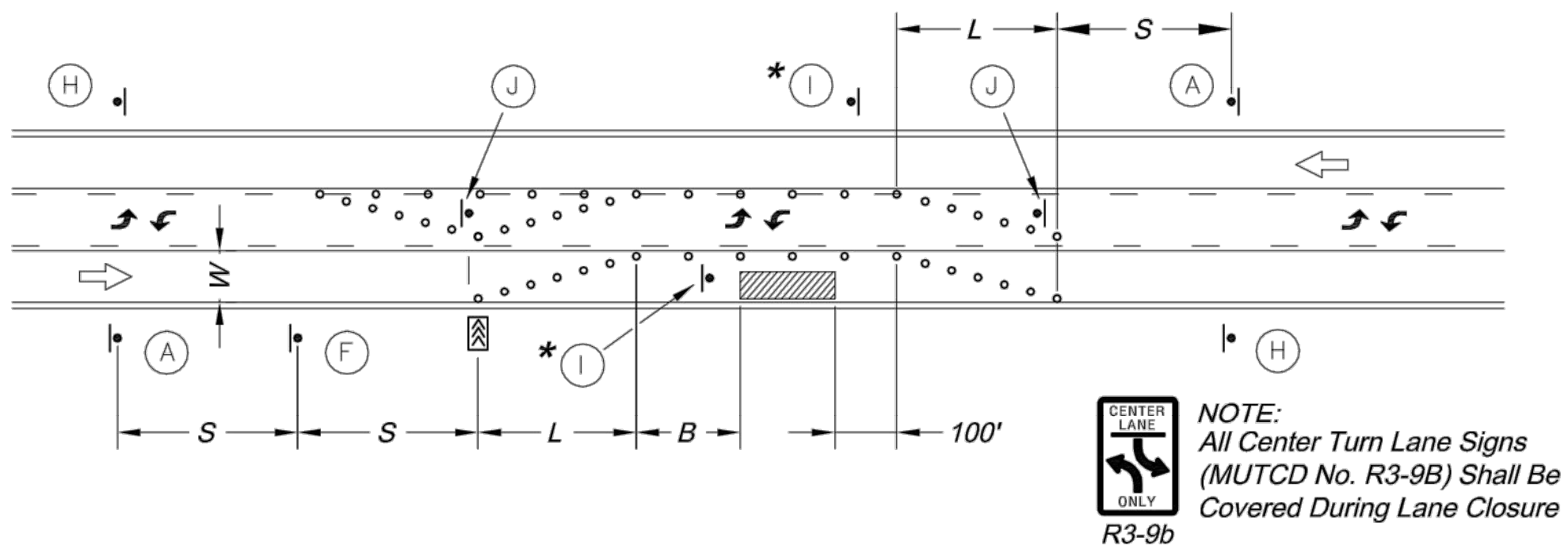
Guidelines for Length of Longitudinal Buffer Space "B"	
Speed Limit (mph)	Length (Feet)
25	35
30	55
35	85
40	120
45	170

Maximum Channelizer Spacing		
Speed Limit (mph)	Within Taper (Feet)	Outside Taper (Feet)
25	25	50
30	30	60
35	35	70
40	40	80
45	45	90

SIGN LEGEND

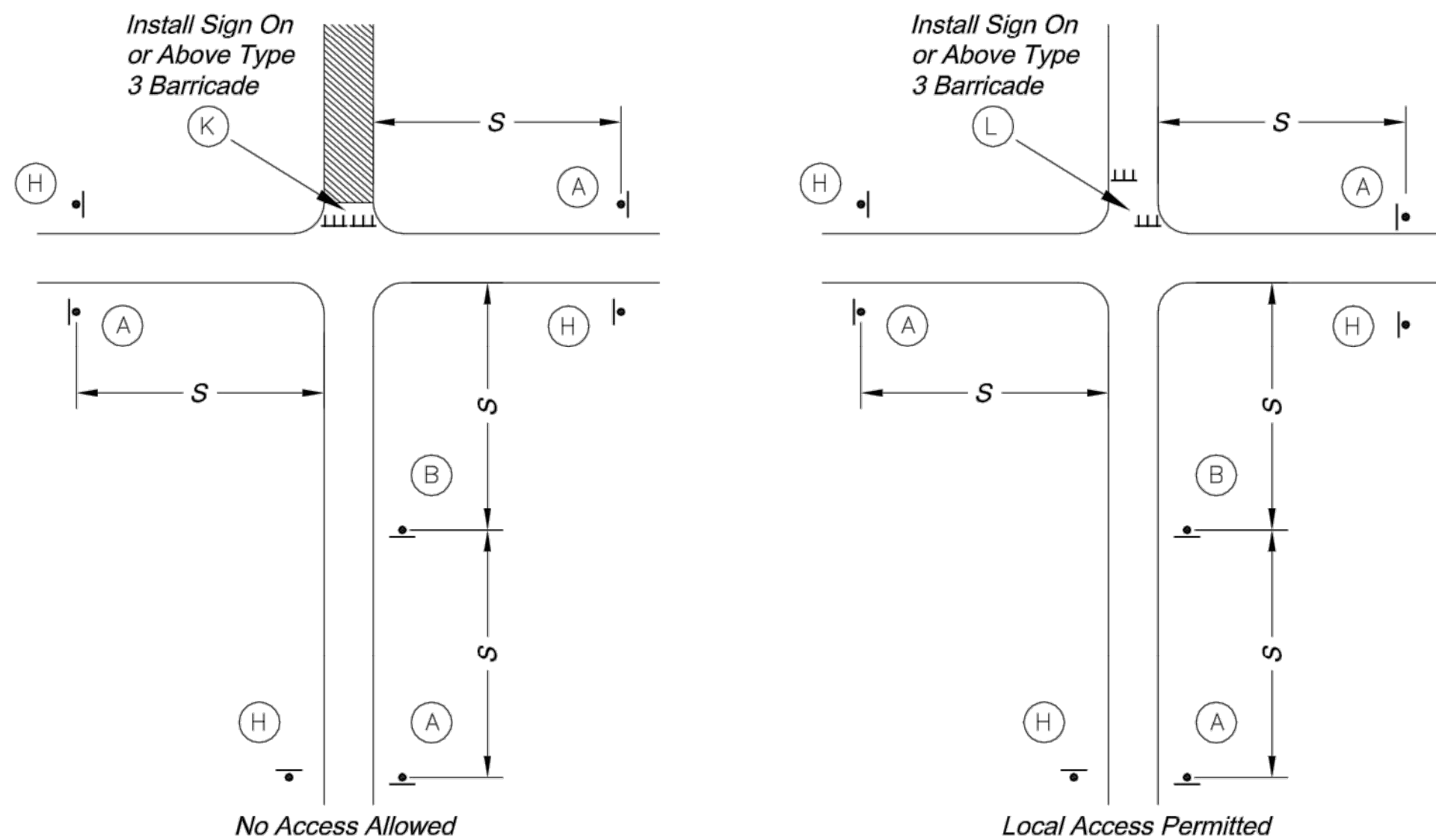


TYPICAL SIGNING FOR WORK ADJACENT TO THE STREET



LANE CLOSURE - THREE LANE STREET

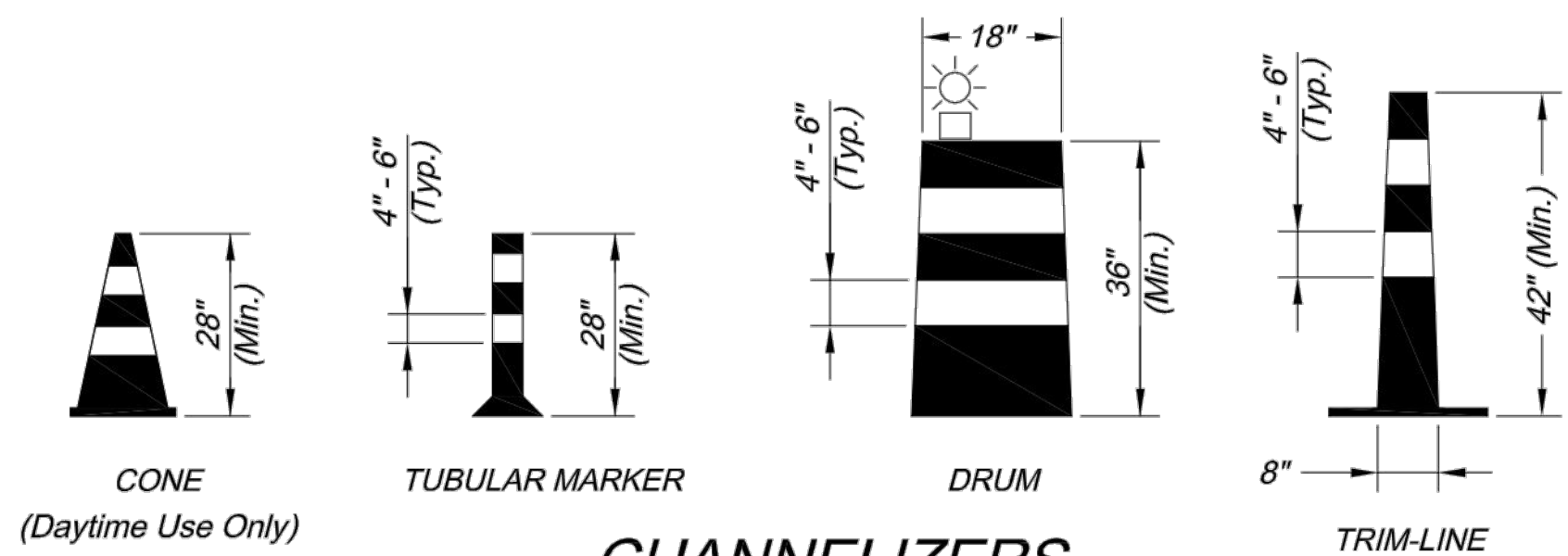
* Install Signs Every 200 Feet Throughout the Closed Lane or As Needed



TYPICAL STREET CLOSURE

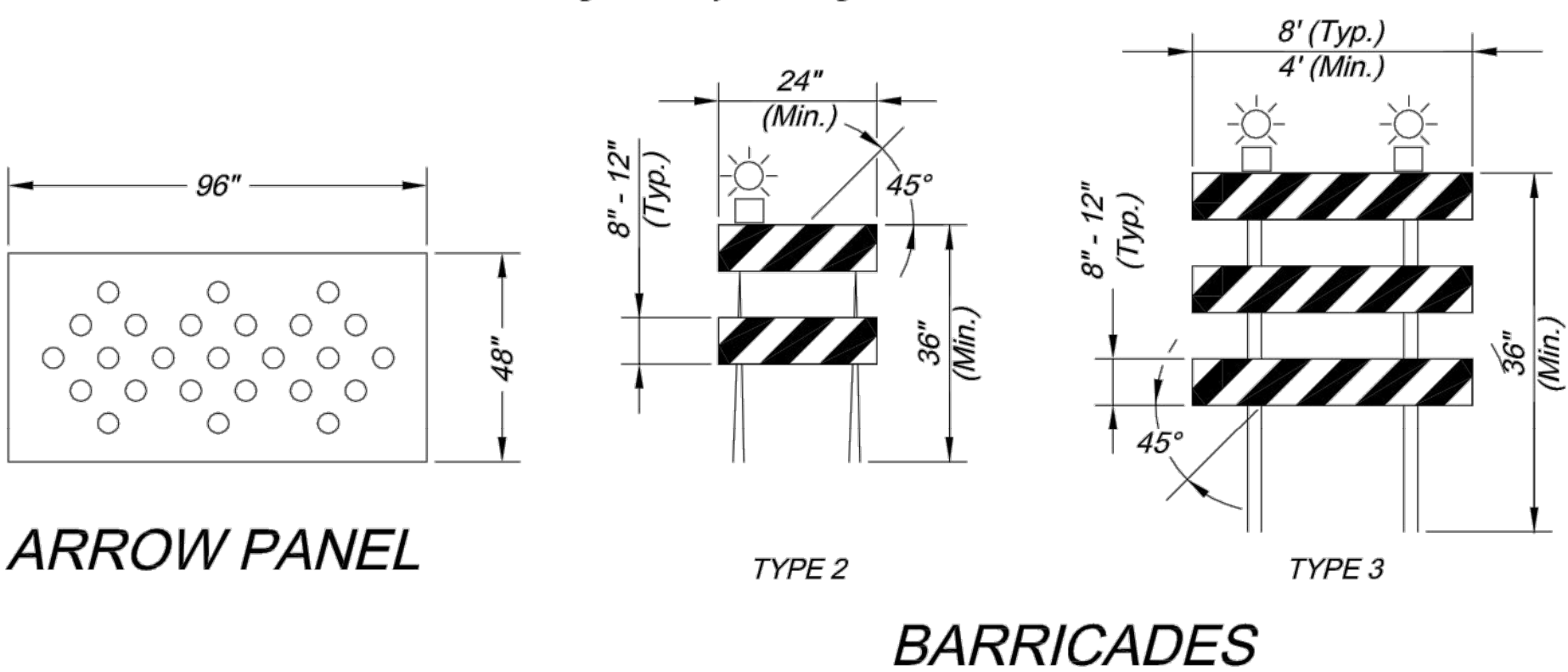
GENERAL NOTES:

- All signs, barricades, channelizers, markings and other traffic control devices shall conform to the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- All traffic control devices shall be standard in size, shape, color, and message, in good condition, and retro-reflectORIZED. All signs shall be securely mounted with height and lateral location as described in the MUTCD.
- Warning lights shall be used on barricades in place at night and on warning signs which alert drivers about a change in alignment, traffic control, lane closure, or road closure.
- Flaggers shall be used where indicated on the plans, where construction vehicles interact with normal traffic, or where construction activities impose a restriction on traffic, as directed by the City Traffic Engineer. Where flaggers are used, advance signing shall be erected as shown in the details or as specified in the MUTCD. Flaggers shall meet the requirements in the MUTCD in regard to character, training, attire, and behavior.
- Trim-lines are the City's preferred channelizing device. Cones may not be used at nighttime.
- Traffic control devices not in use or not applicable shall be either covered or removed from the work area.
- The Contractor shall use barricades, street plates, or fencing as needed to effectively shield pedestrian and vehicular traffic from exposed objects, excavations, and construction activities.
- Access shall be maintained to all driveways and side streets unless noted otherwise on the plans.
- No street shall be closed without the approval of the City Traffic Engineer. The Contractor shall notify the City Traffic Engineer at least 7 days in advance of any street closure. If a detour route around the closure is to be provided, all detour signing shall be as shown on a plan approved by the City Traffic Engineer.
- Construction vehicles parked along streets shall be located within the work area (traffic control) or where otherwise normally permitted. Construction materials, including traffic control and vehicles shall not restrict sight distance for vehicles exiting at streets or drives.
- Construction materials shall be kept off of sidewalks, consolidated in one location within City right-of-way, and removed daily unless otherwise approved by the Inspector. Dirt, mud, and other construction debris on streets and sidewalks shall be removed immediately.
- The Contractor shall not perform any work that will restrict vehicular traffic in any way between the hours of 7:00 a.m. and 9:00 a.m. or 4:00 p.m. and 6:00 p.m. Monday through Friday unless otherwise indicated in the specifications.
- All travel lanes should be at least 11 feet wide unless otherwise authorized by the City Traffic Engineer. A "Narrow Lanes" sign shall be installed in advance of a lane width reduction to less than 11 feet.
- All edge drop-offs of more than 2 inches and less than 4 inches should be protected by a wedge or barrier and all edge drop-offs greater than 4 inches shall have edge protection (see Traffic Control Specifications for edge treatment requirements).
- The "Workers" symbolic sign (MUTCD No. W21-1a) may be used instead of the "Road Work Ahead" sign for work with a duration of 12 hours or less. The "End Road Work" sign is not required to be installed after the "Workers" sign.
- No traffic signal shall be altered or modified in any way without a plan approved by the City Traffic Engineer.
- The Contractor shall be responsible for maintaining all traffic control devices on an around-the-clock basis, whether or not work is actively being pursued and any deficiencies noted shall be corrected immediately.
- The traffic control requirements shown on these plans are minimum requirements only and do not attempt to address in depth the variety of situations that may occur once construction has started. In no way do the requirements shown on these plans relieve the Contractor of his responsibility for selecting the proper traffic control devices and implementation procedures that will assure the safety of drivers, pedestrians, and workers at all times.
- Should the contractor fail to enforce the traffic control plan or fail to clean, replace or otherwise maintain the traffic control devices when directed to do so by the City Traffic Engineer or representative, the City may take one or more of the following actions:
 - Employ another agency to correct deficiencies in traffic control devices and deduct the cost from the Contractor's pay estimate.
 - Stop the work until deficiencies are corrected.
 - Suspend all pay estimates until deficiencies are corrected, or
 - Place the Contractor in default.



CHANNELIZERS

NOTE: White Bands On Barricades and Channelizers Shall Be Made From High Intensity Sheeting Material.



Project: O'REILLY DEVELOPMENT SENIOR LIVING

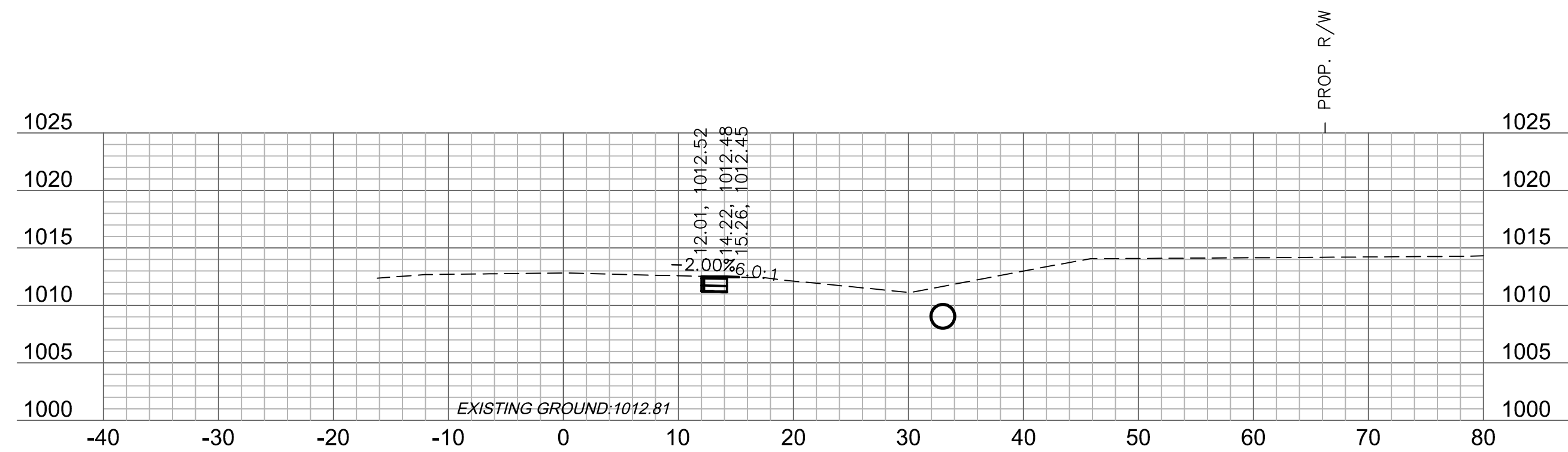
TRAFFIC CONTROL DETAILS

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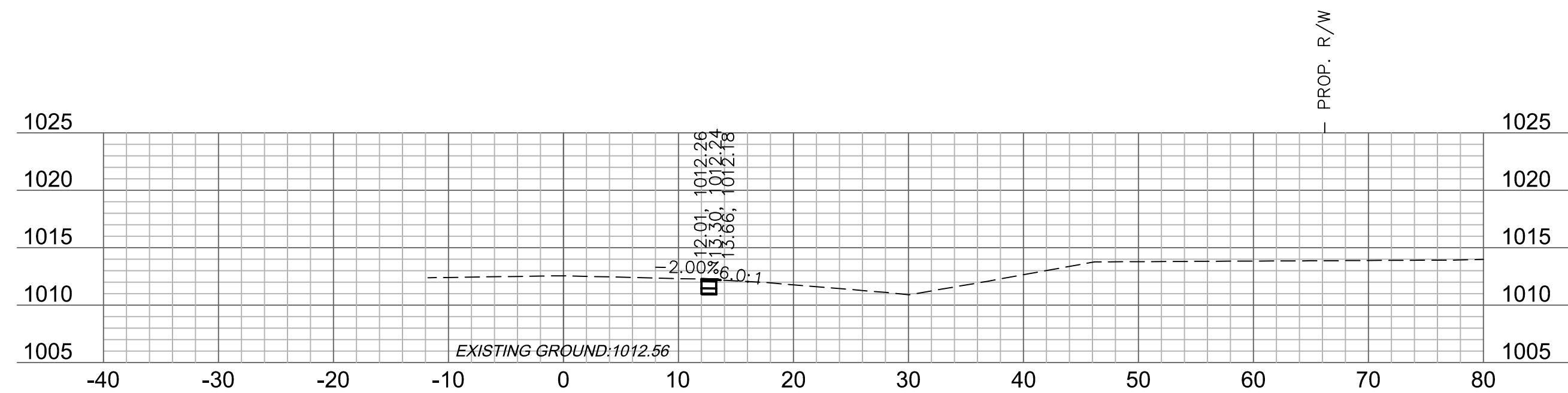
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Project No.: X

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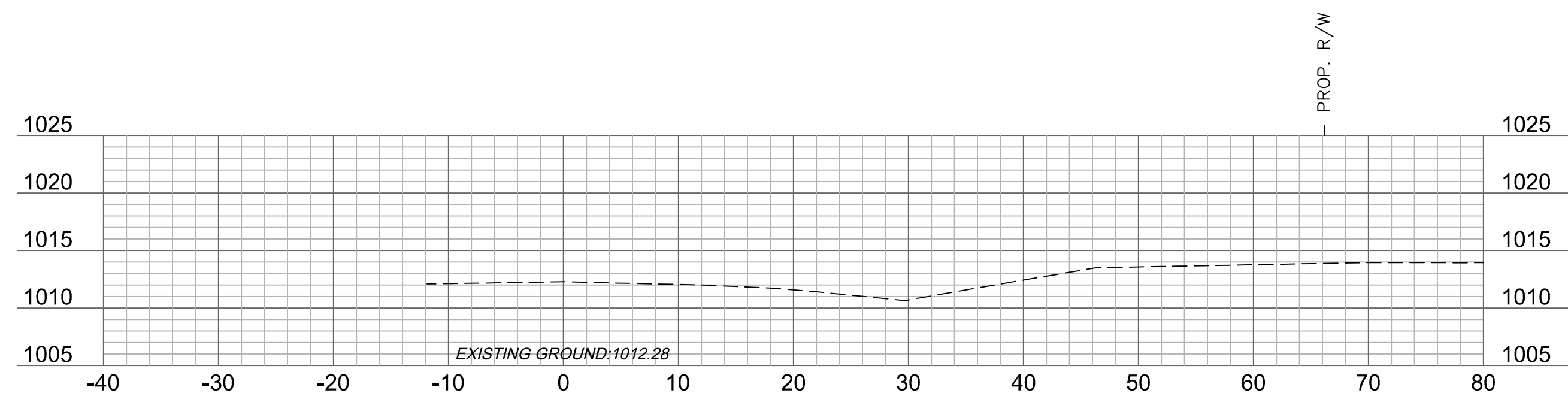
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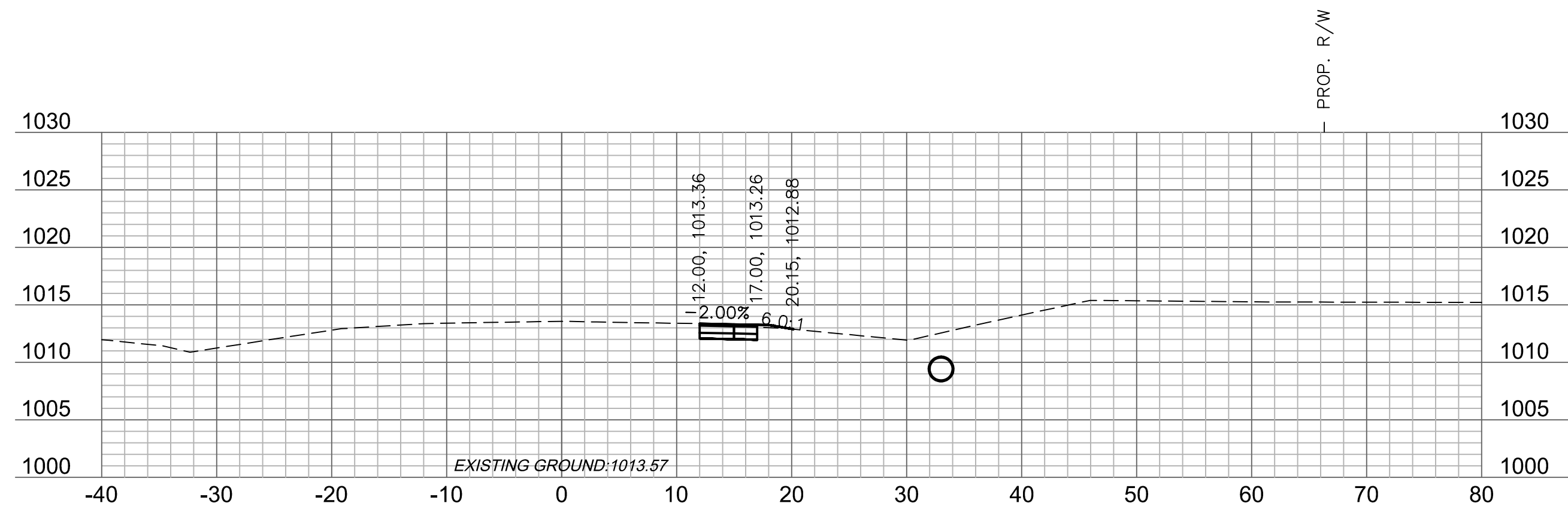
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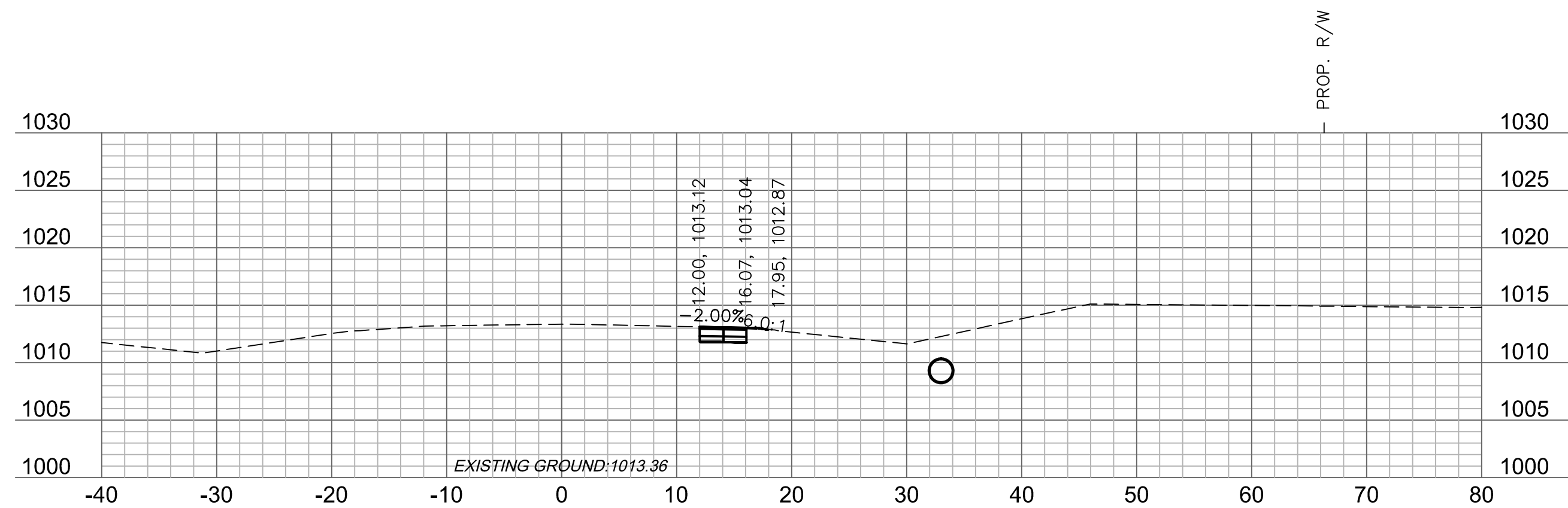
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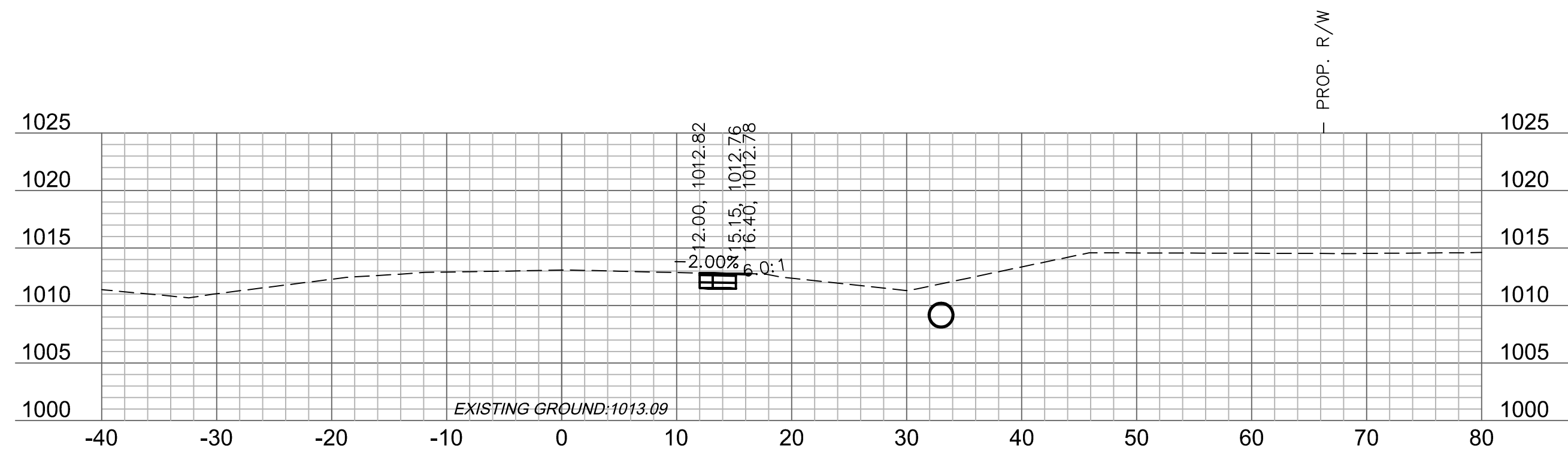
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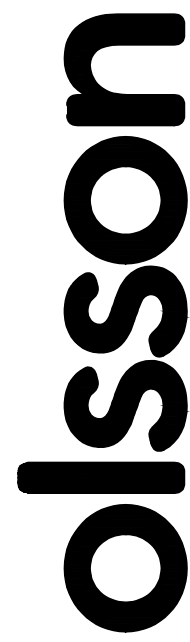


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**OLDHAM PARKWAY
CROSS SECTIONS**

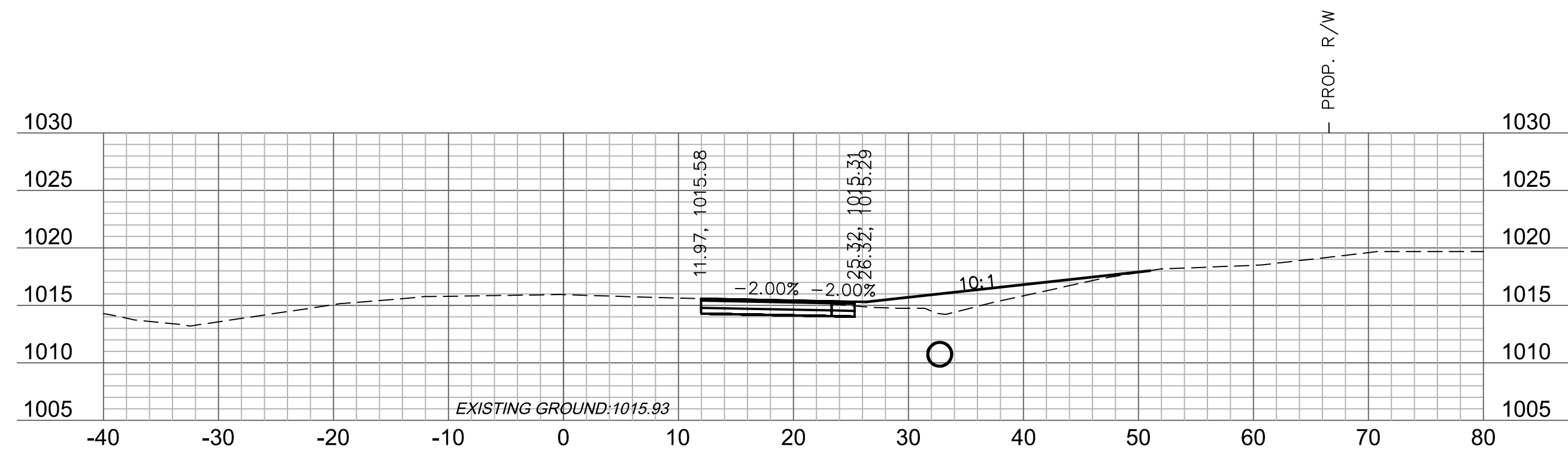
OREILLY DEVELOPMENT SENIOR LIVING FACILITY
QILDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

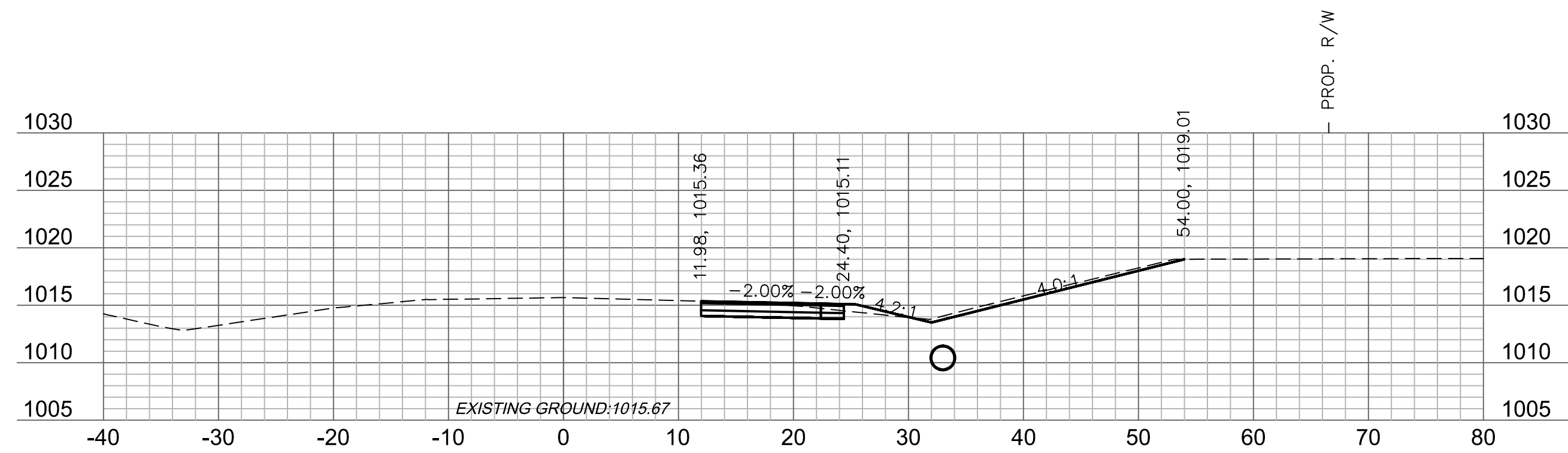
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DWG NO.: T_PCORR 81450
DATE: 07.19.19

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T35 OF 70

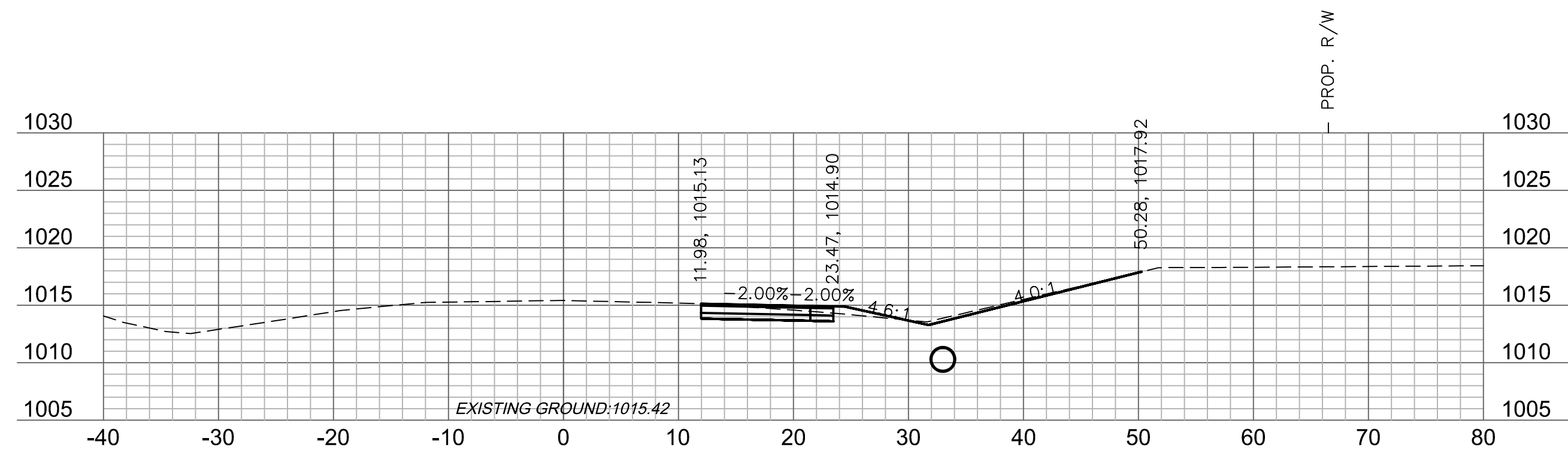
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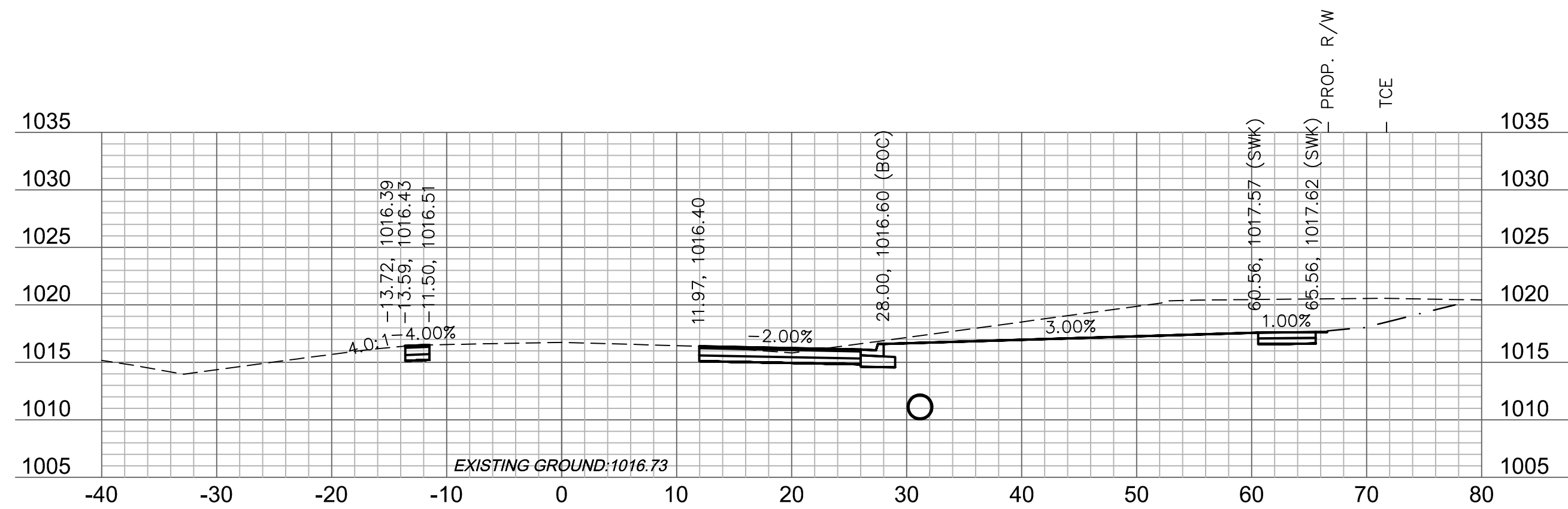
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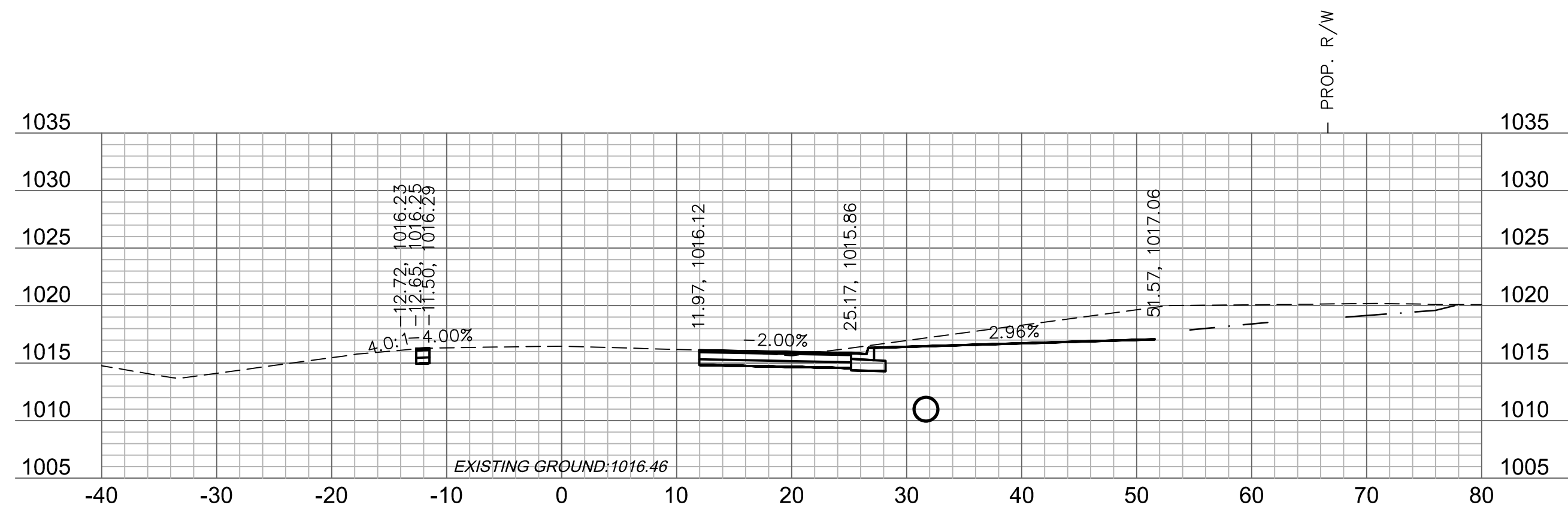
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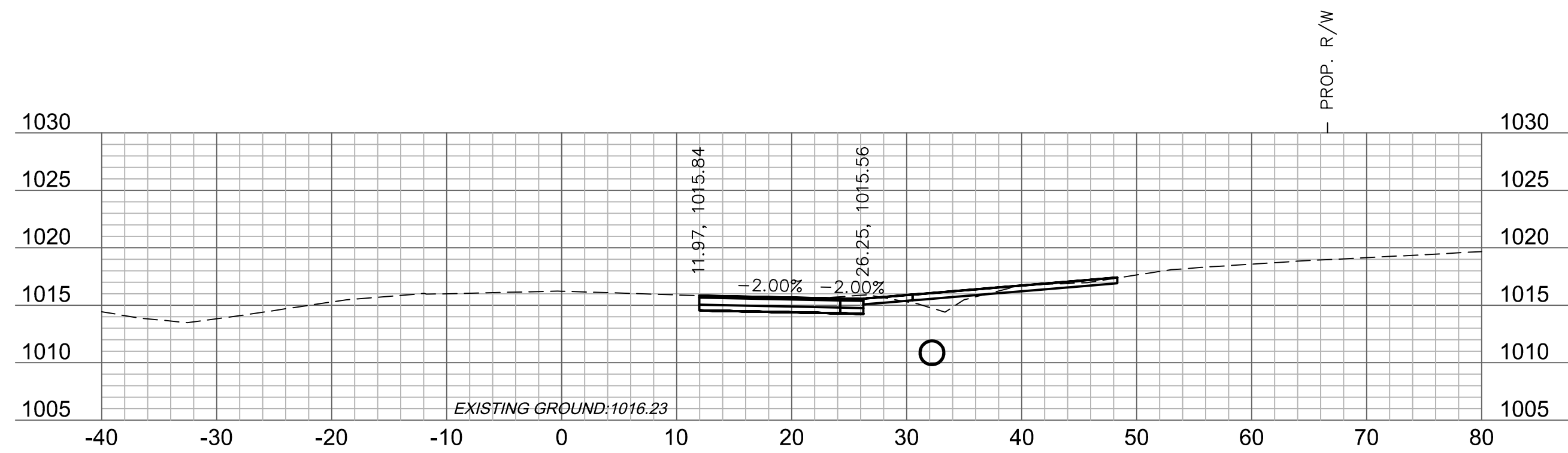
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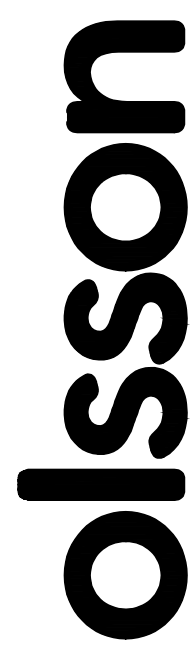


16+25



16+00

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Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com

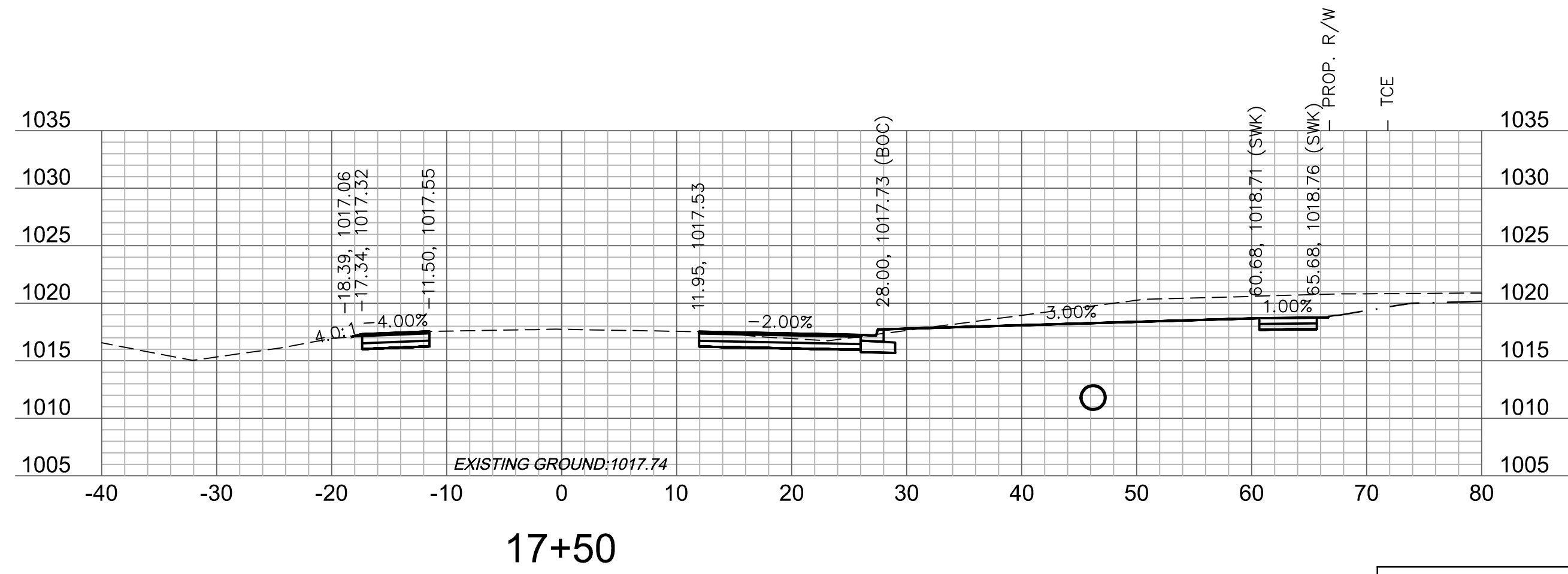
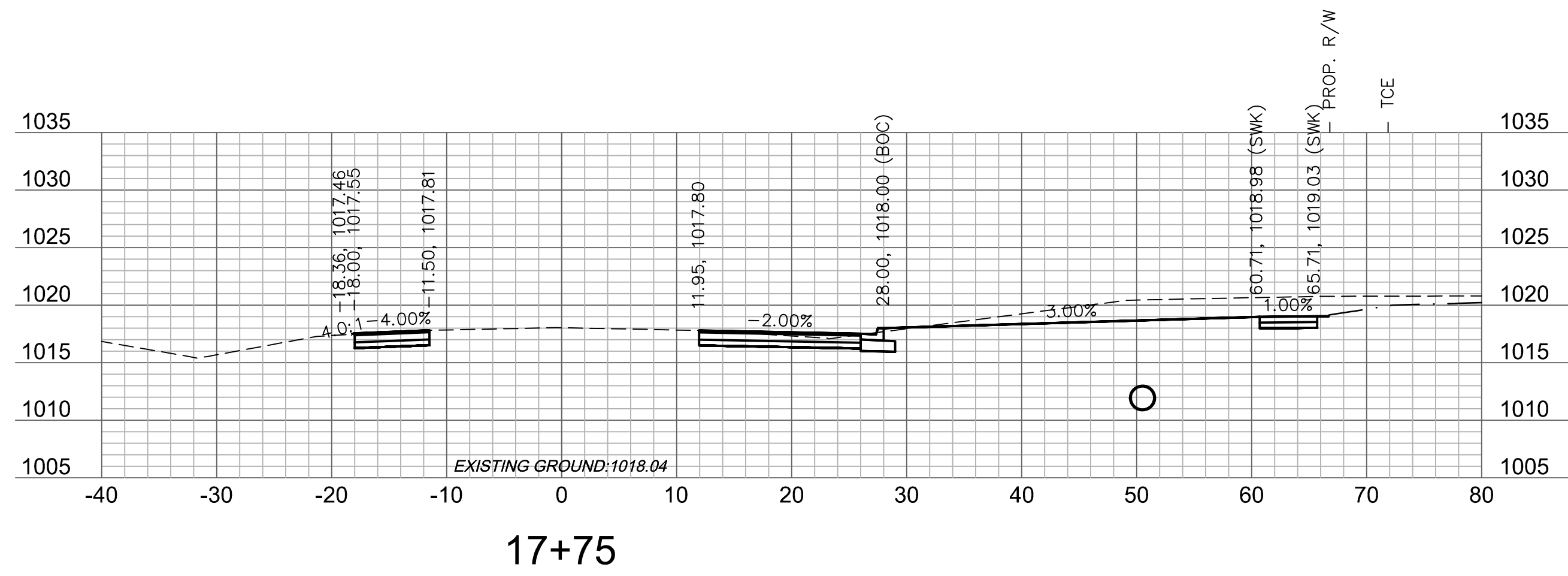
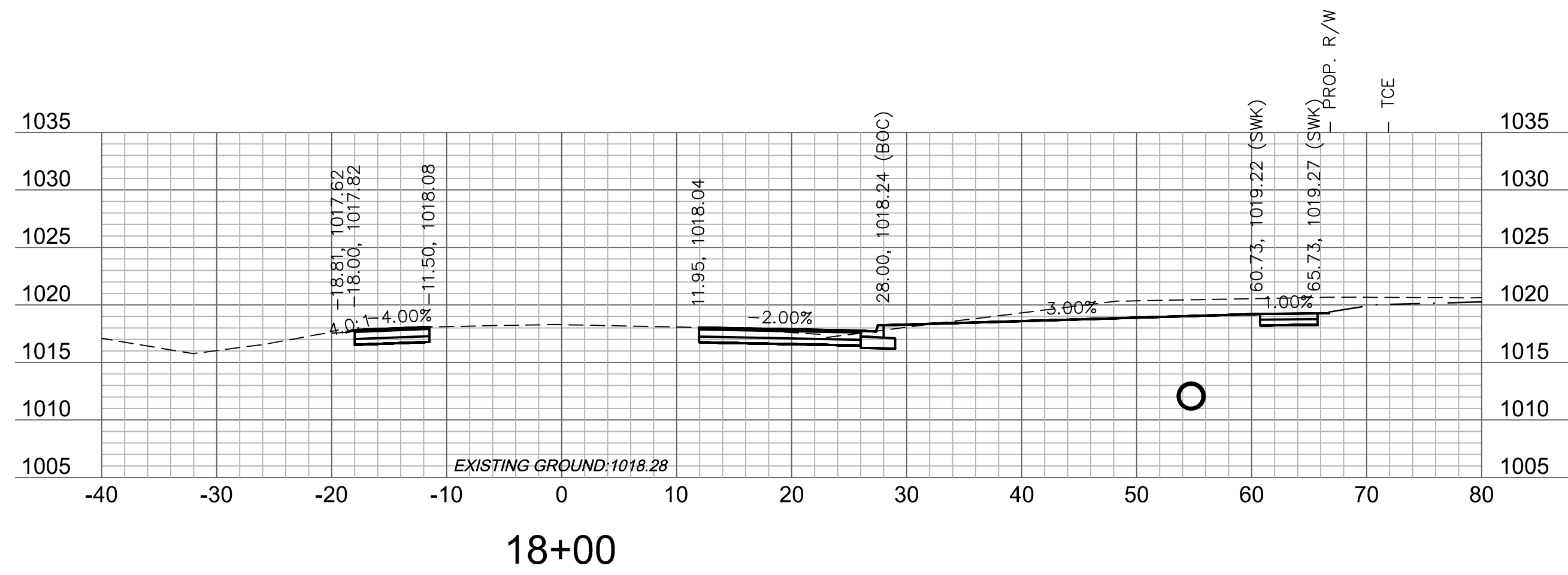
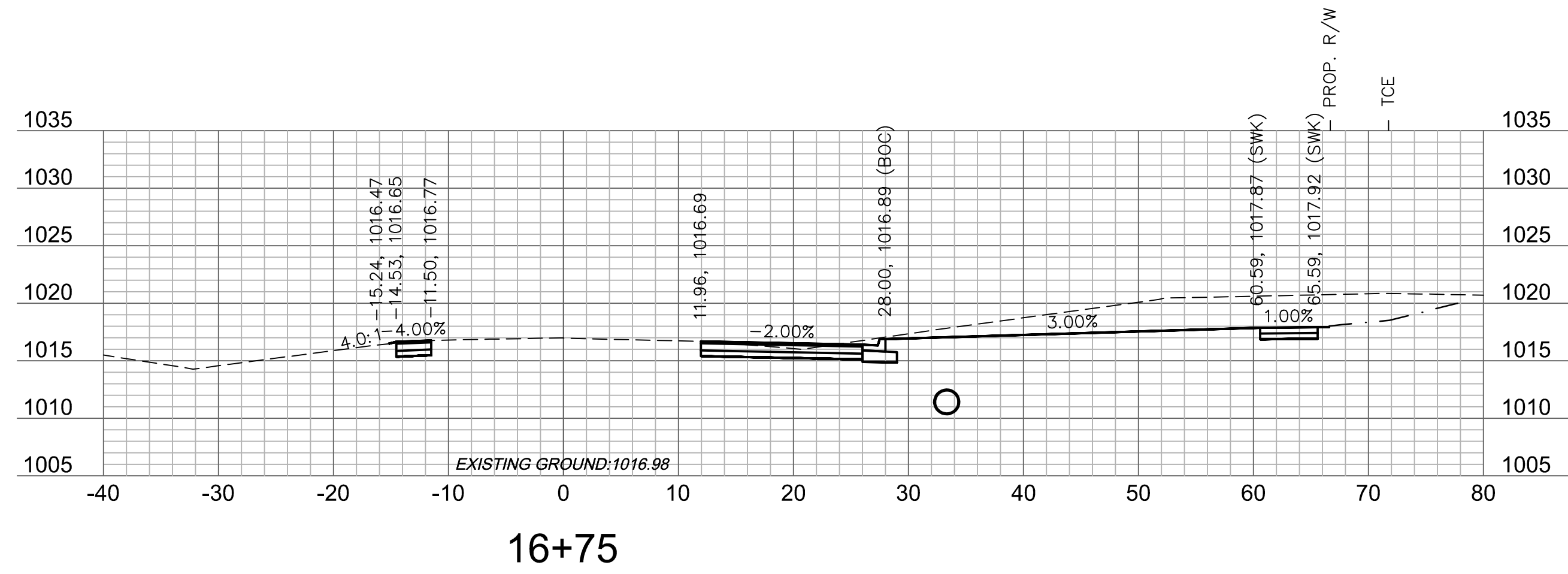
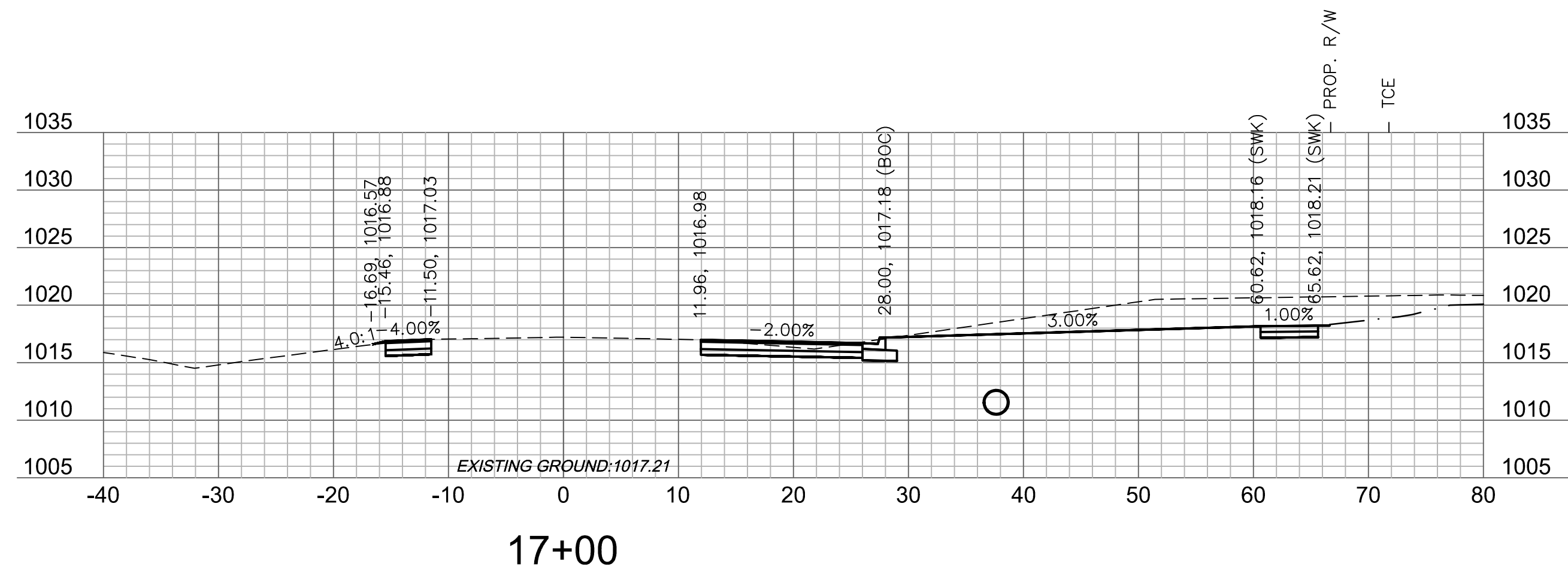
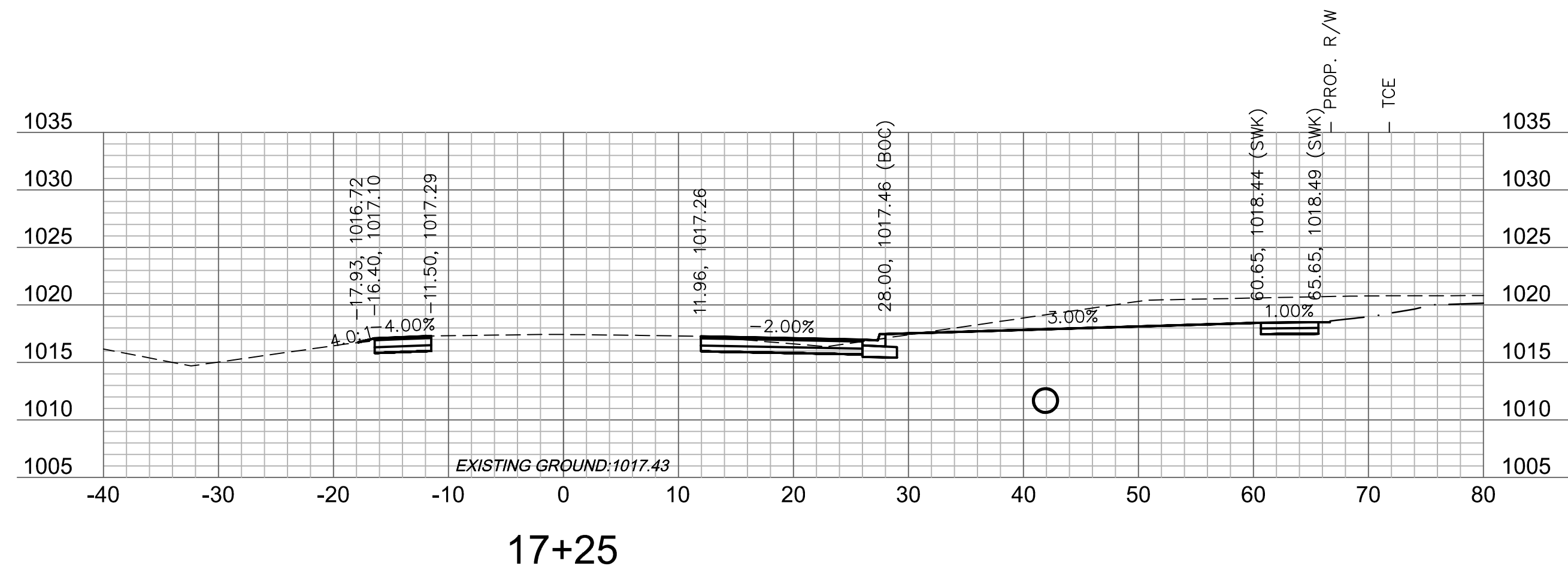
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OLDHAM PARKWAY CROSS SECTIONS	OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	20
LEE'S SUMMIT, MISSOURI		

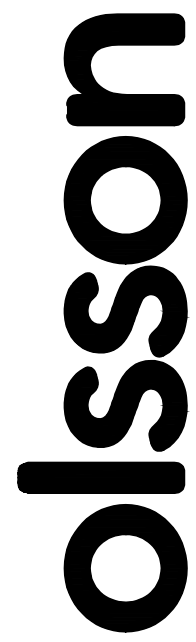
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T37 OF 70

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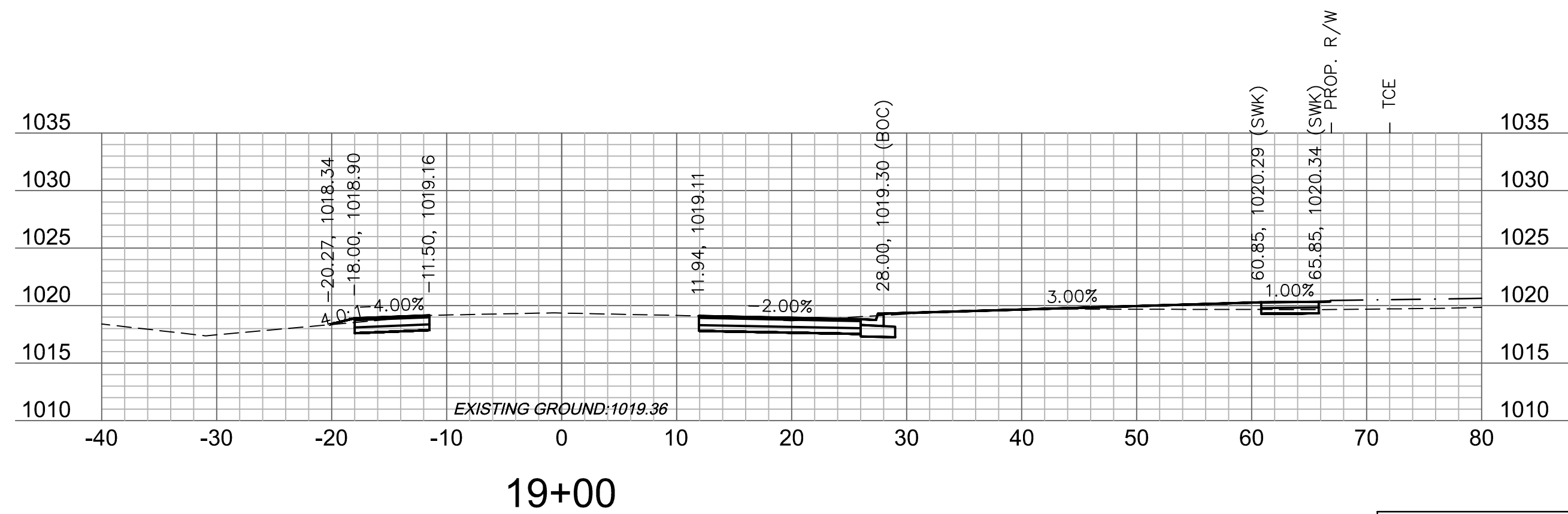
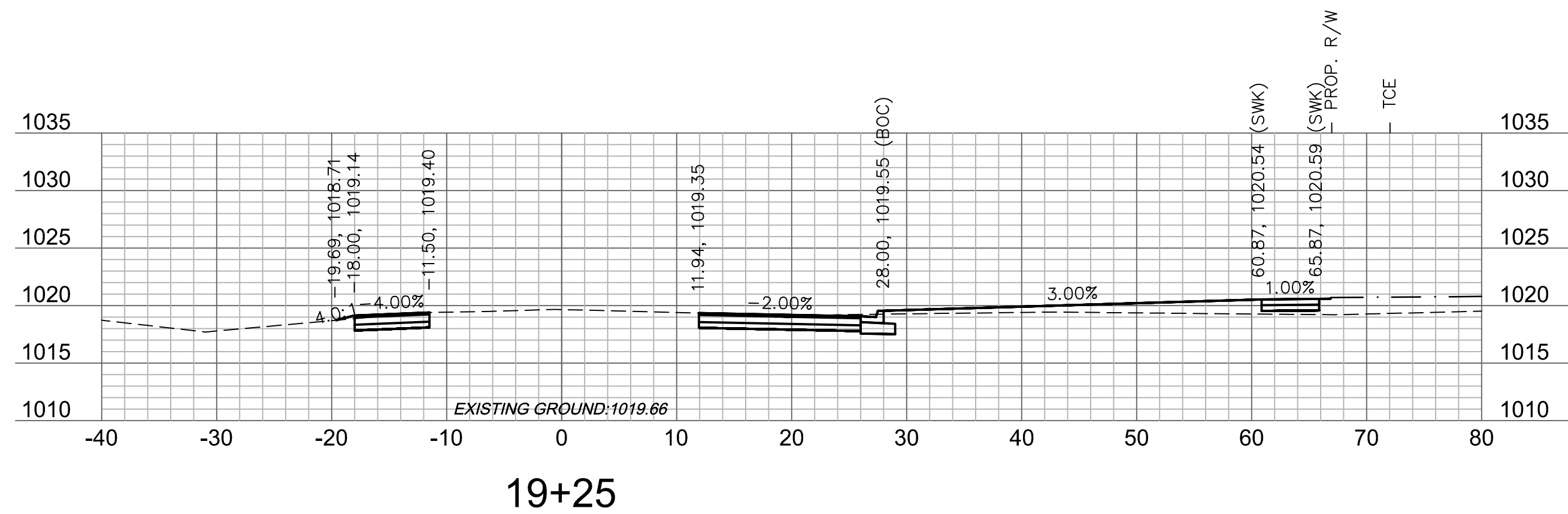
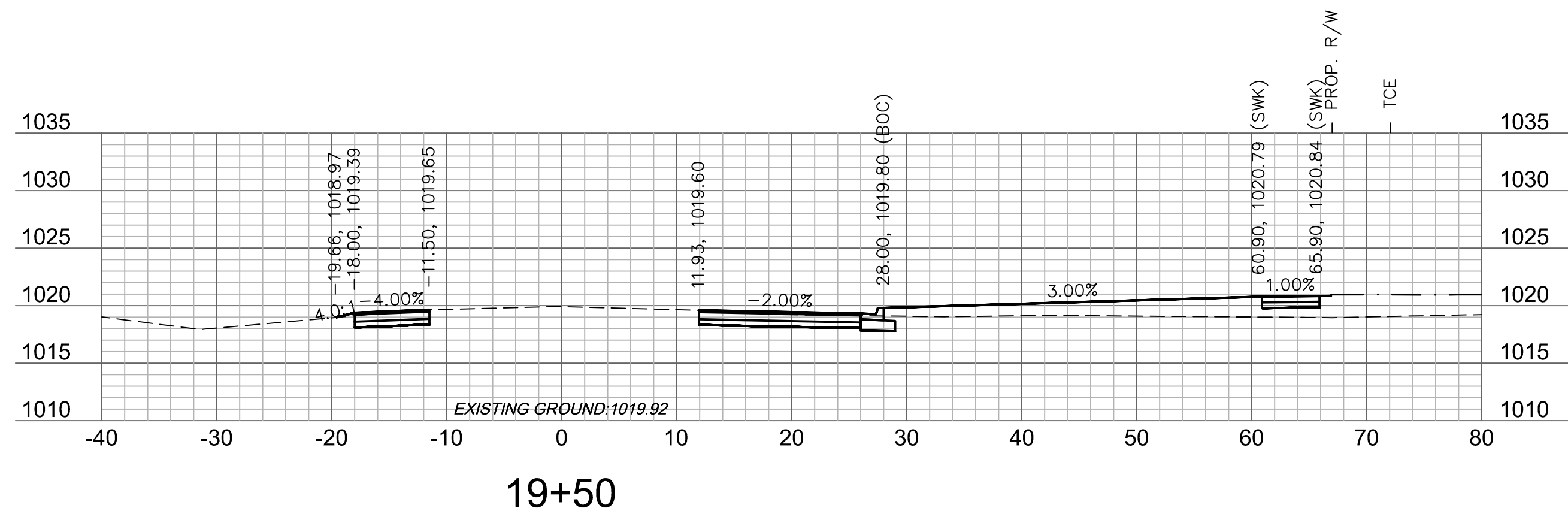
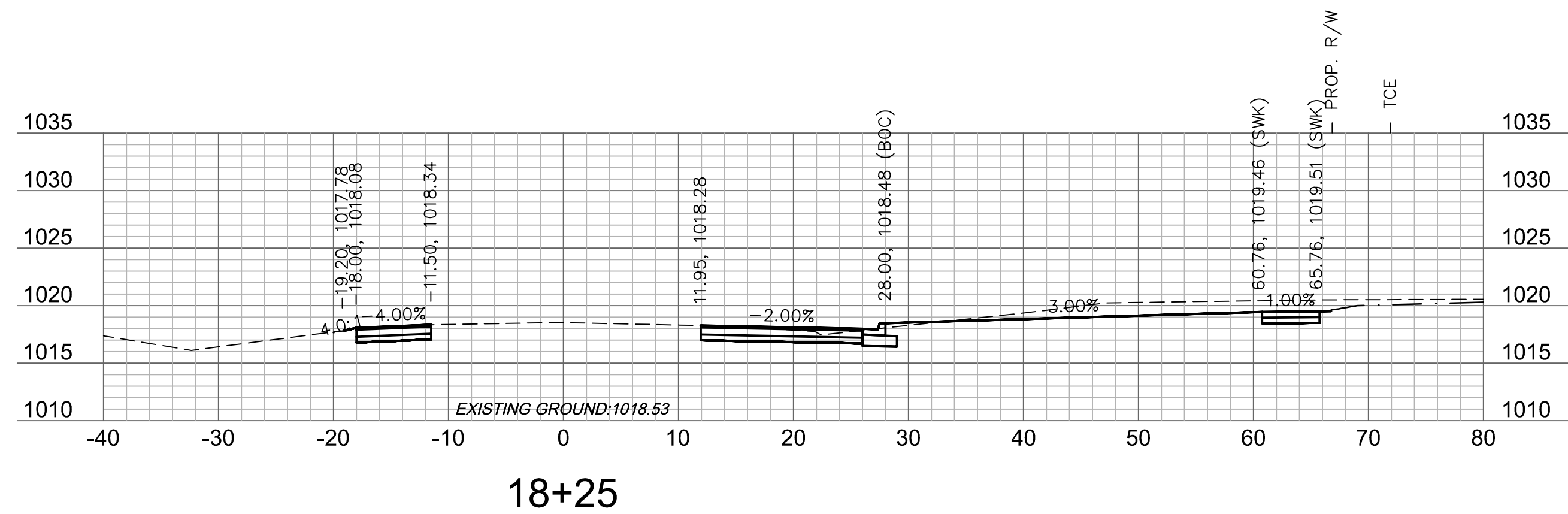
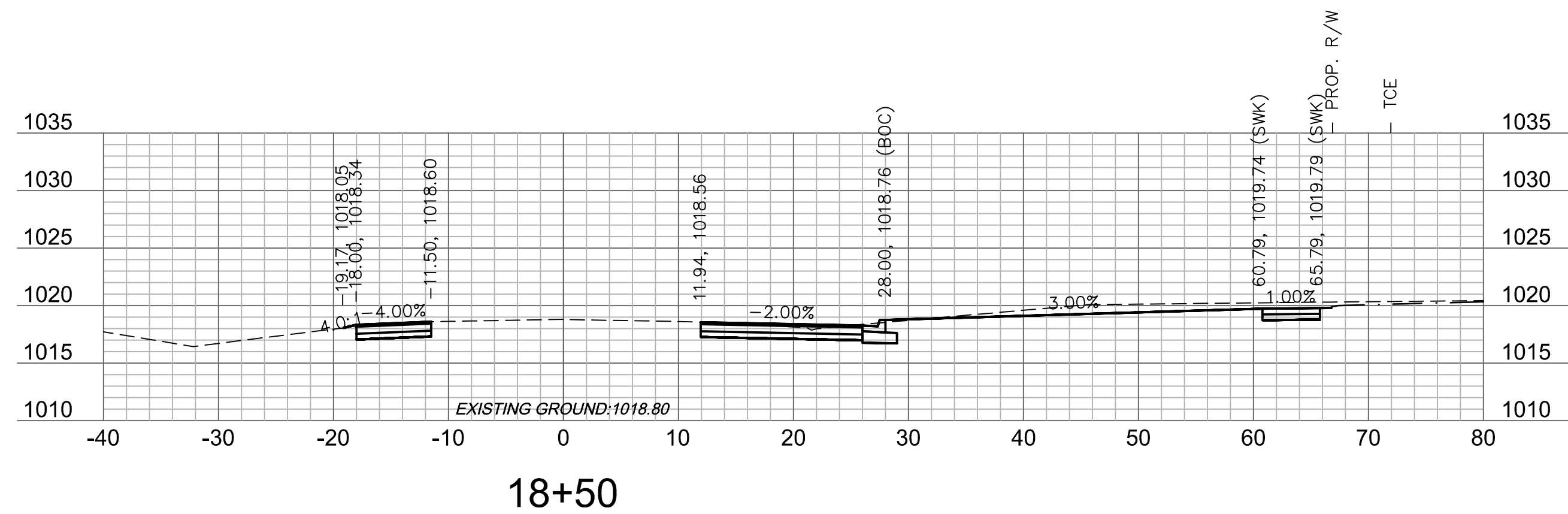
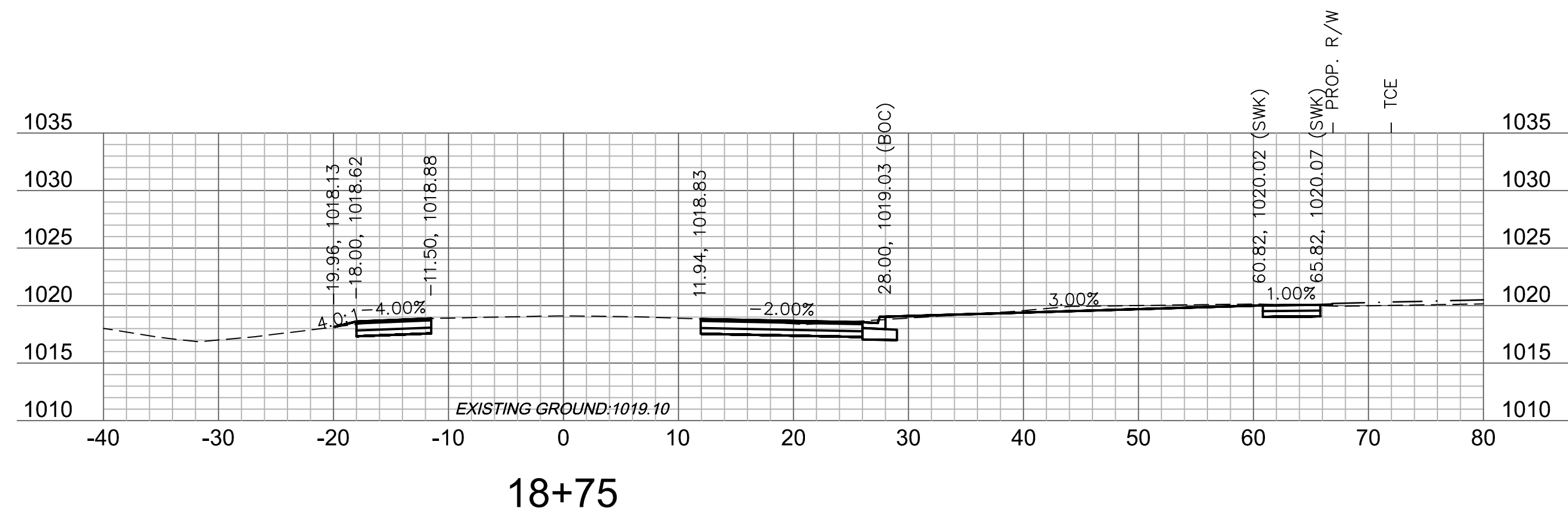
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OLDHAM PARKWAY CROSS SECTIONS	
OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2019

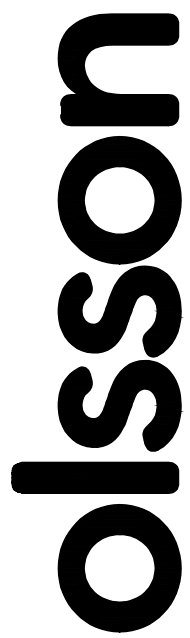
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SHEET
T38 OF 70

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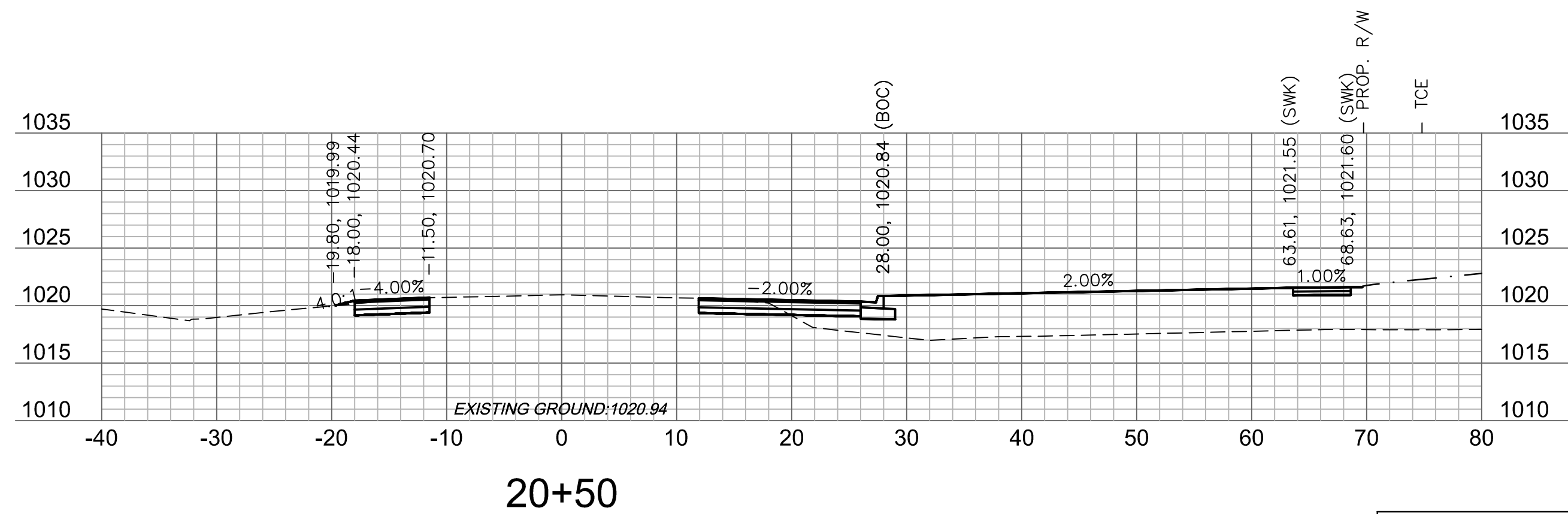
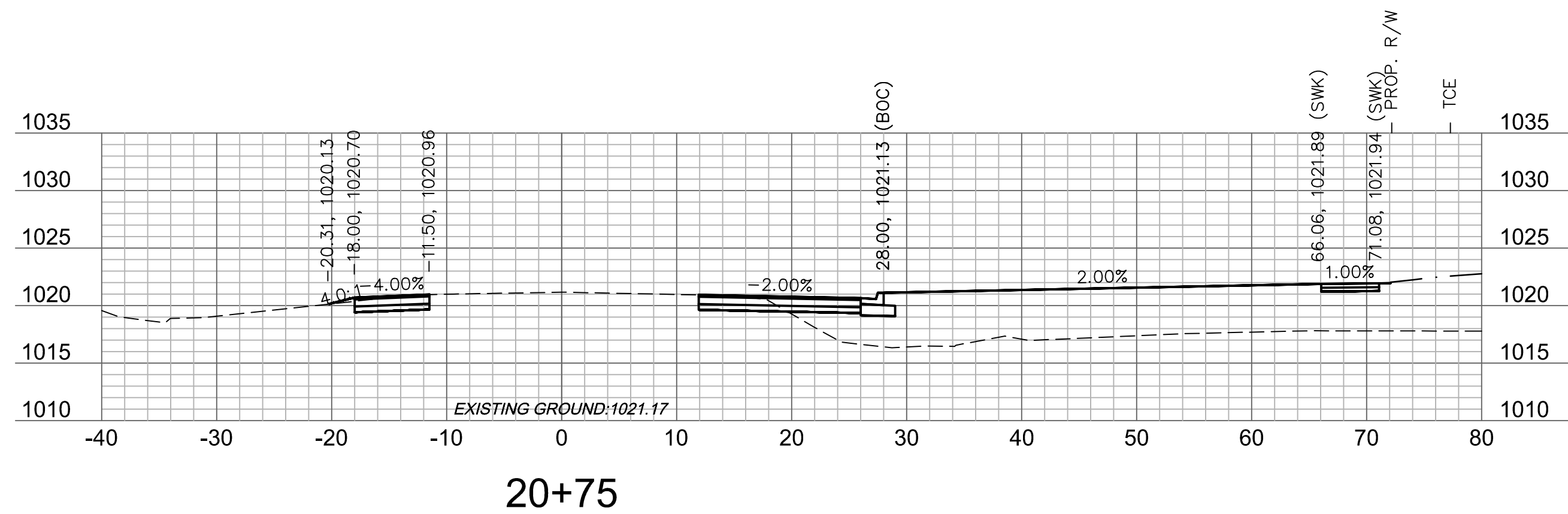
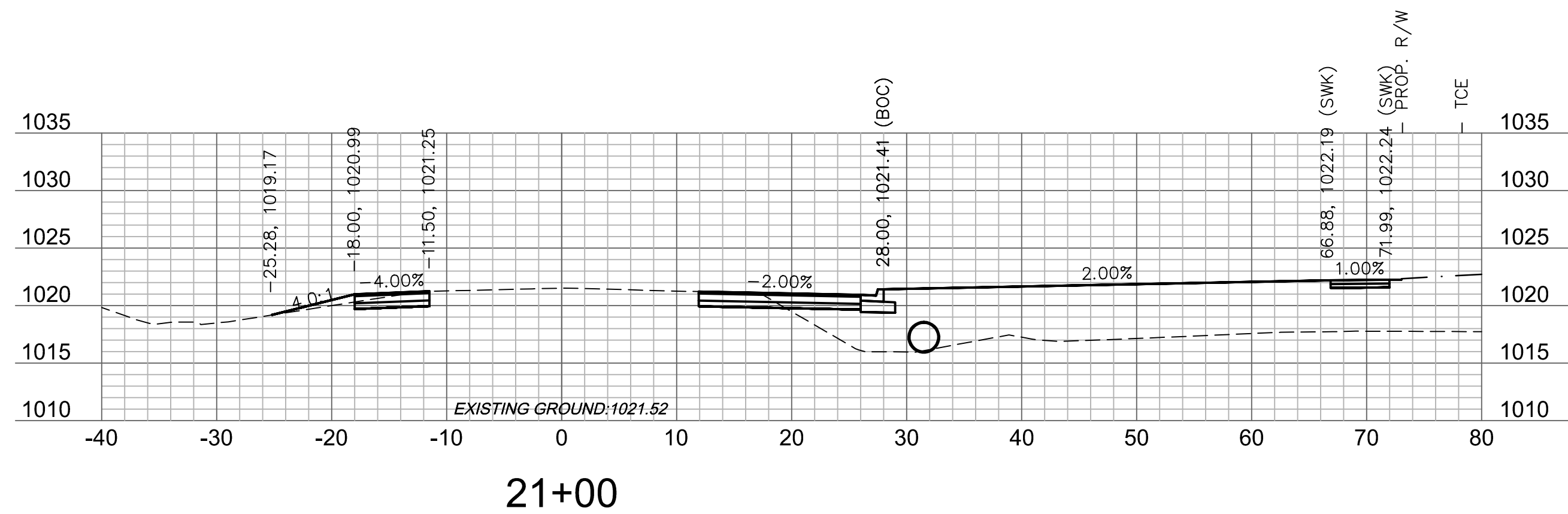
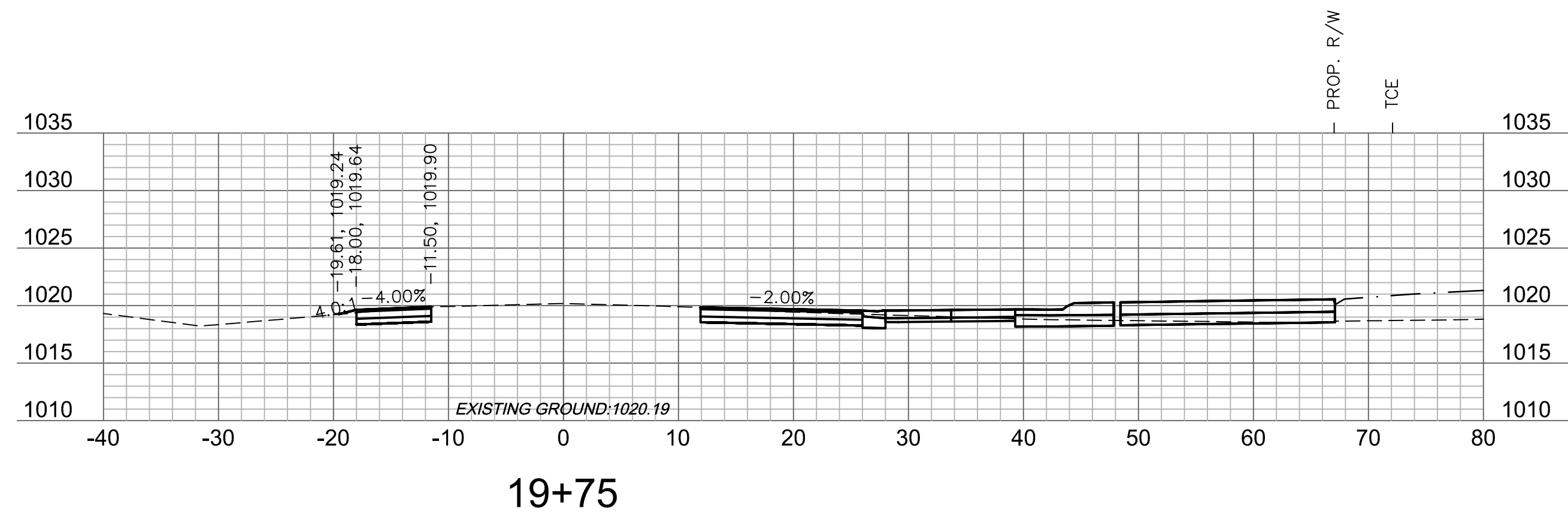
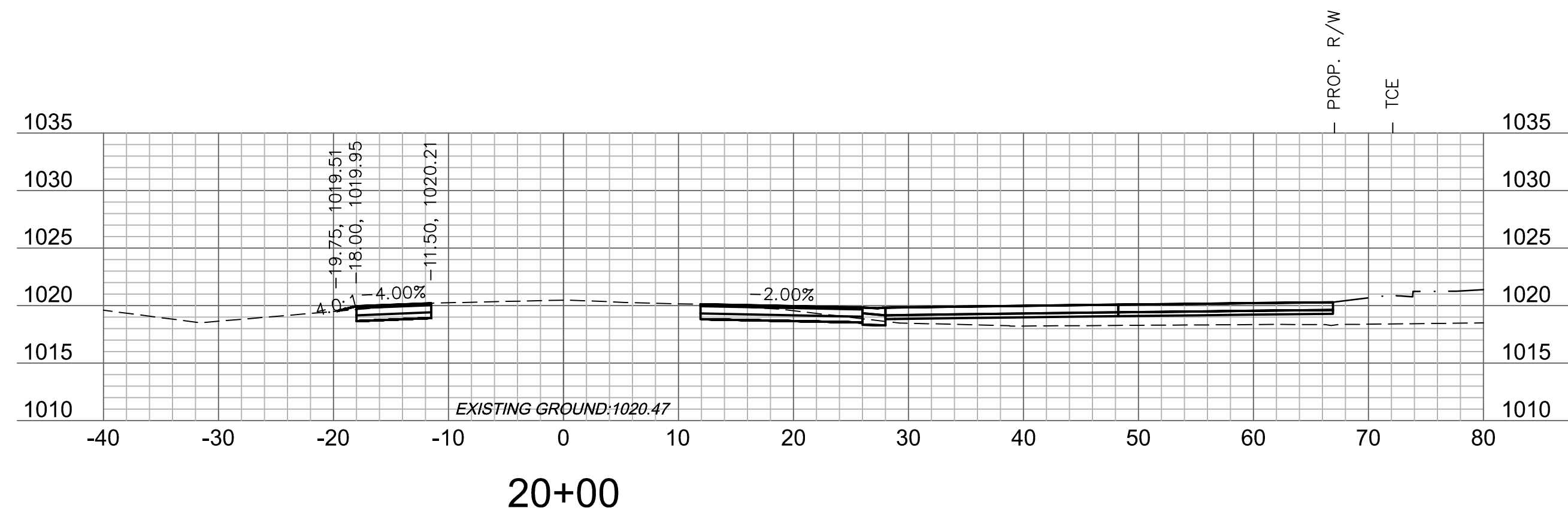
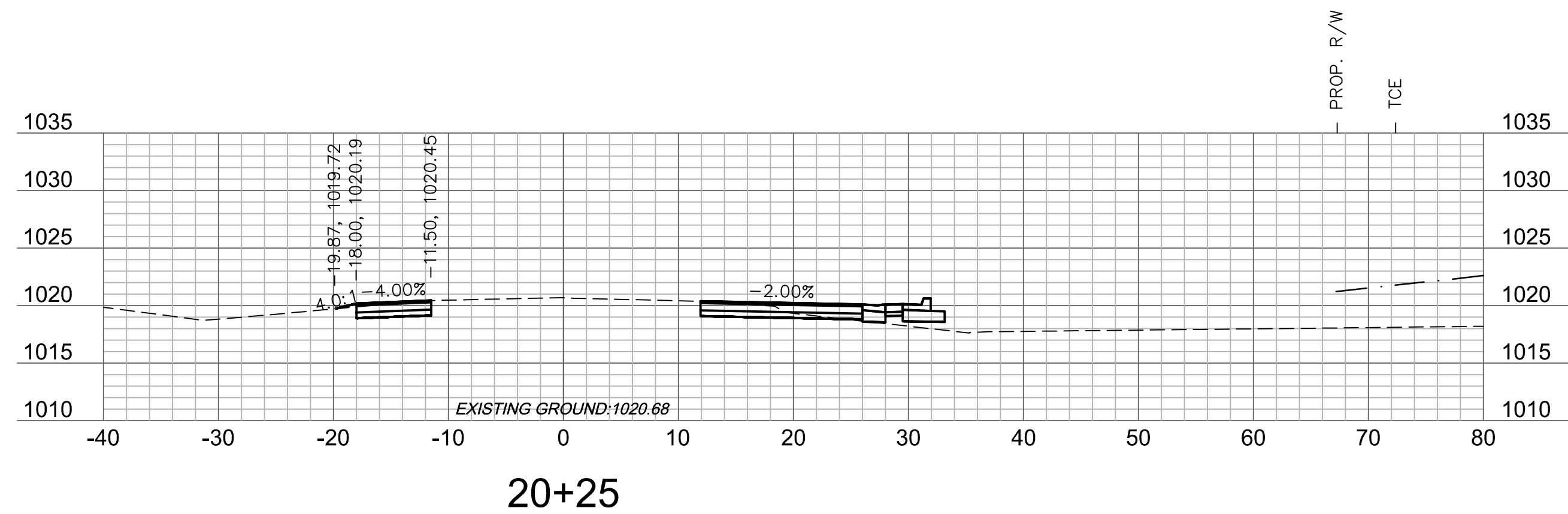
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OLDHAM PARKWAY CROSS SECTIONS	OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	201
LEE'S SUMMIT, MISSOURI		

C.O.A. NO.: 001592
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_PCORR_81450
DATE: 07.19.19

SHEET
T39 OF 70

DWG: F:\2018\1001-1500\018-1450\40-Design\AutoCAD\Final Plans\Xref\T_PCORR_81450.dwg
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 DATE: Jul 25, 2019 9:37am USER: ascavedra

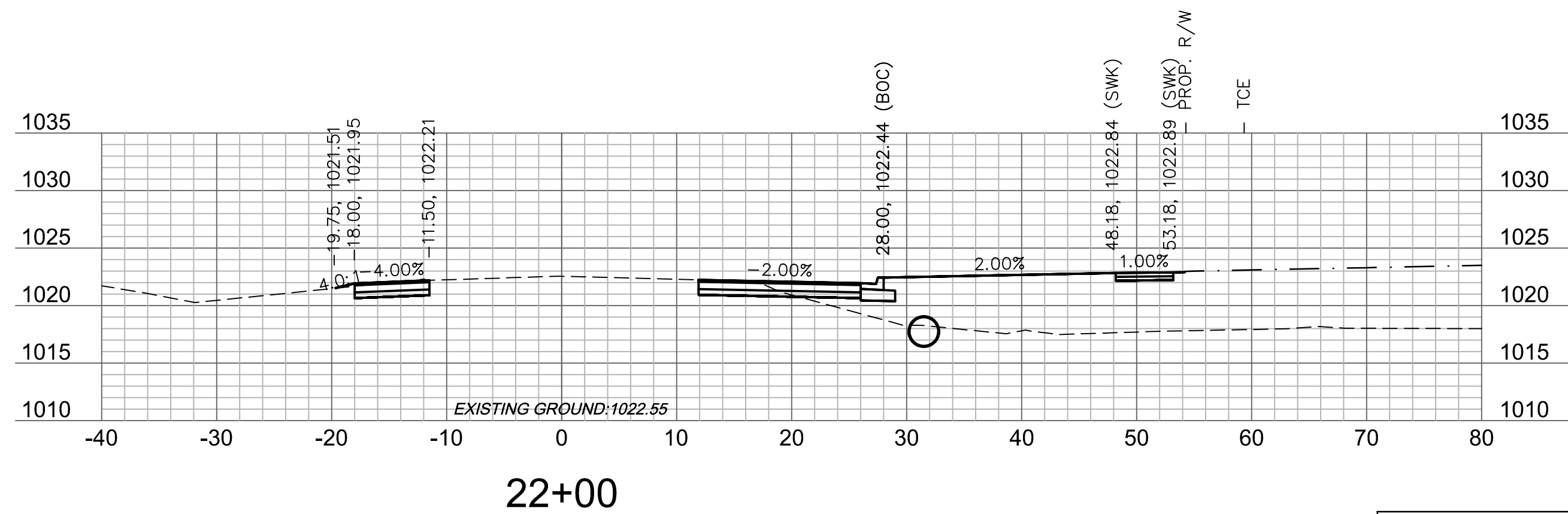
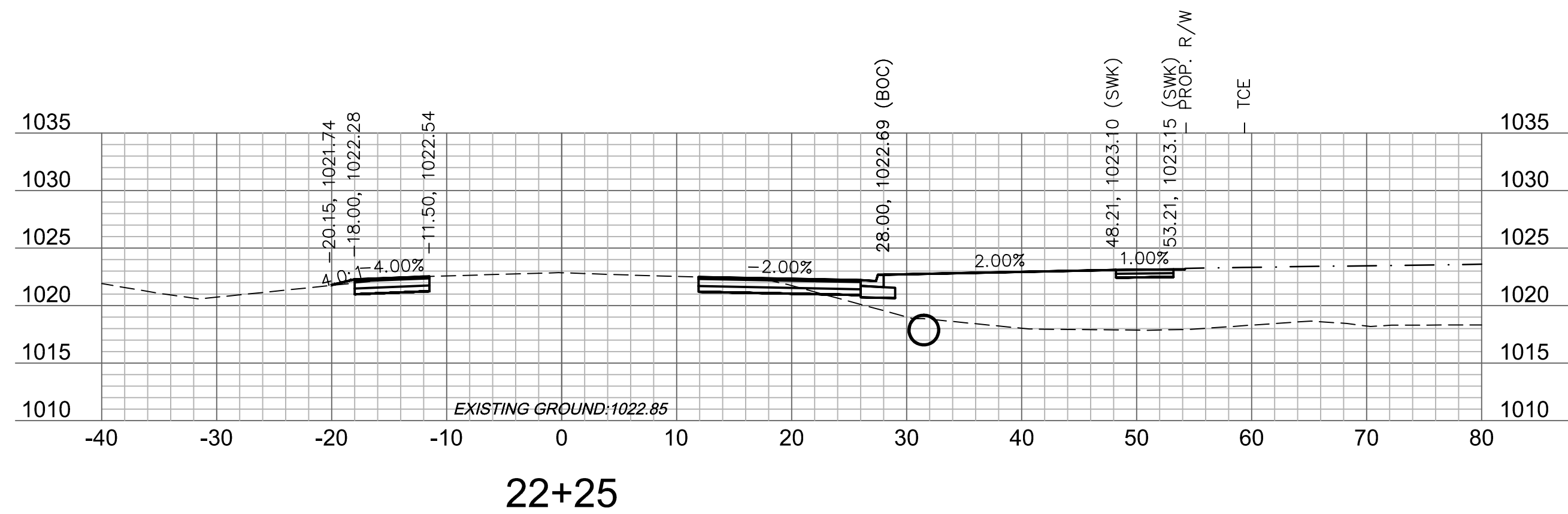
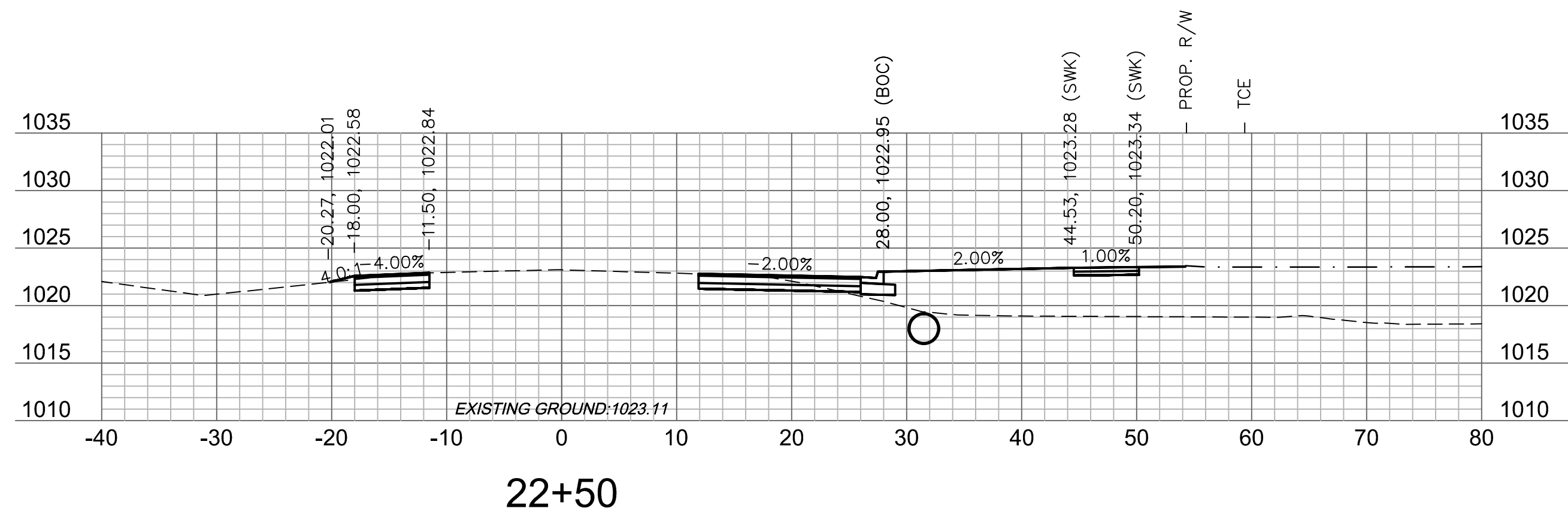
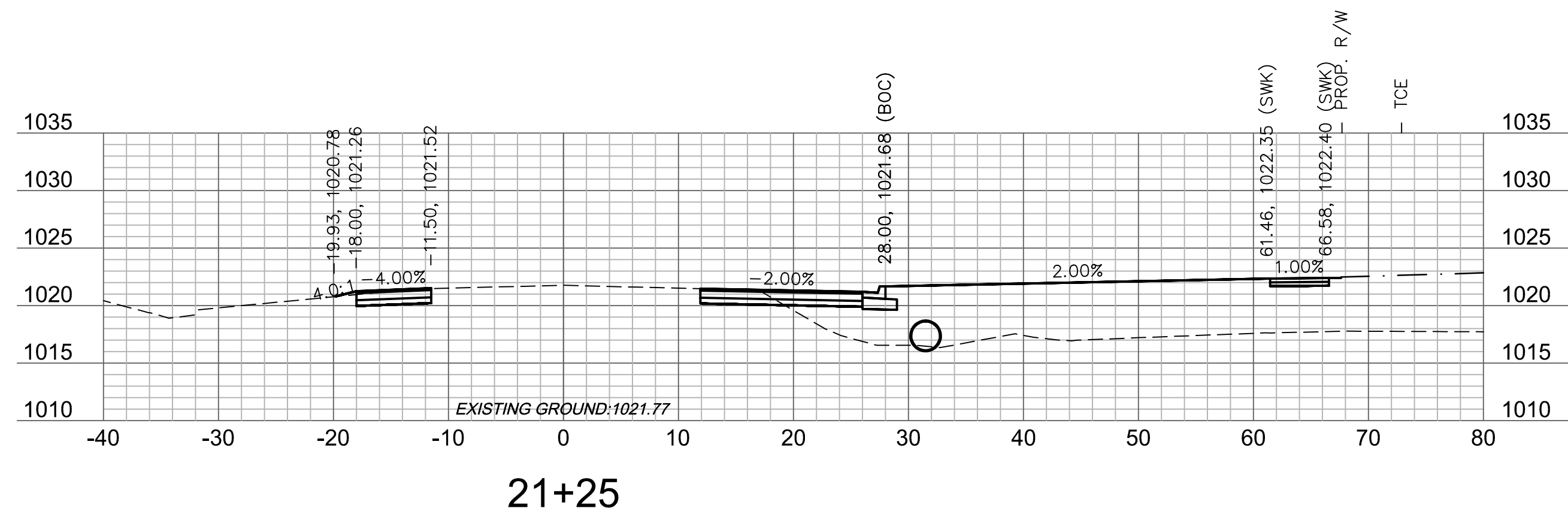
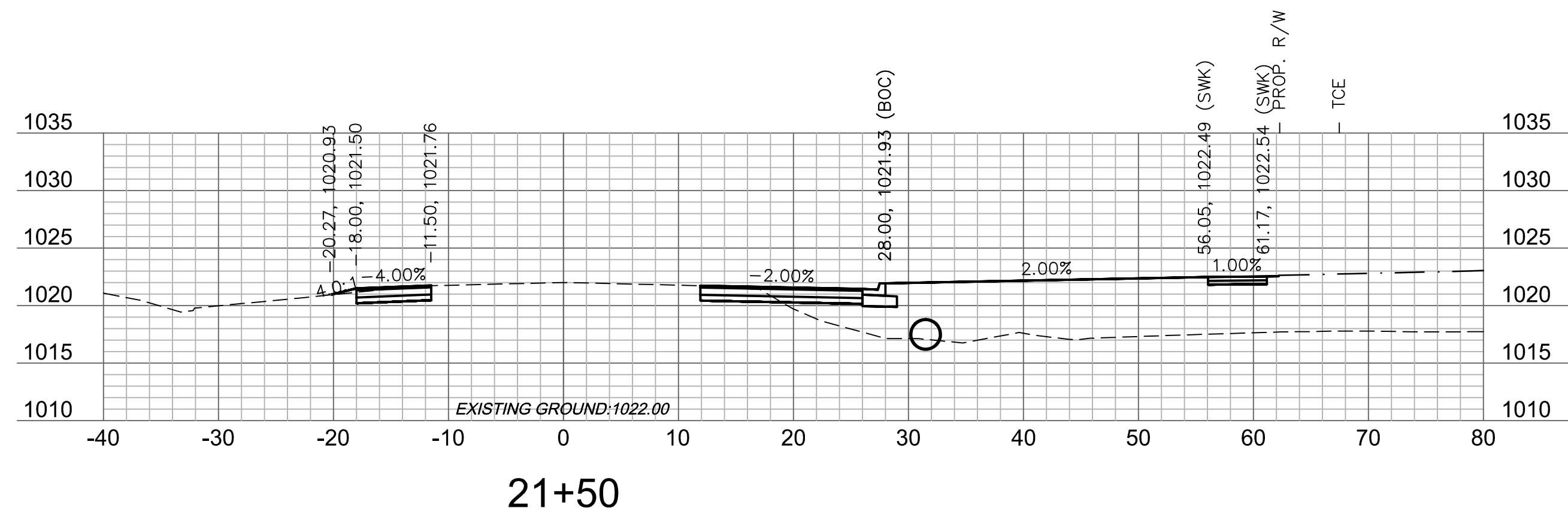
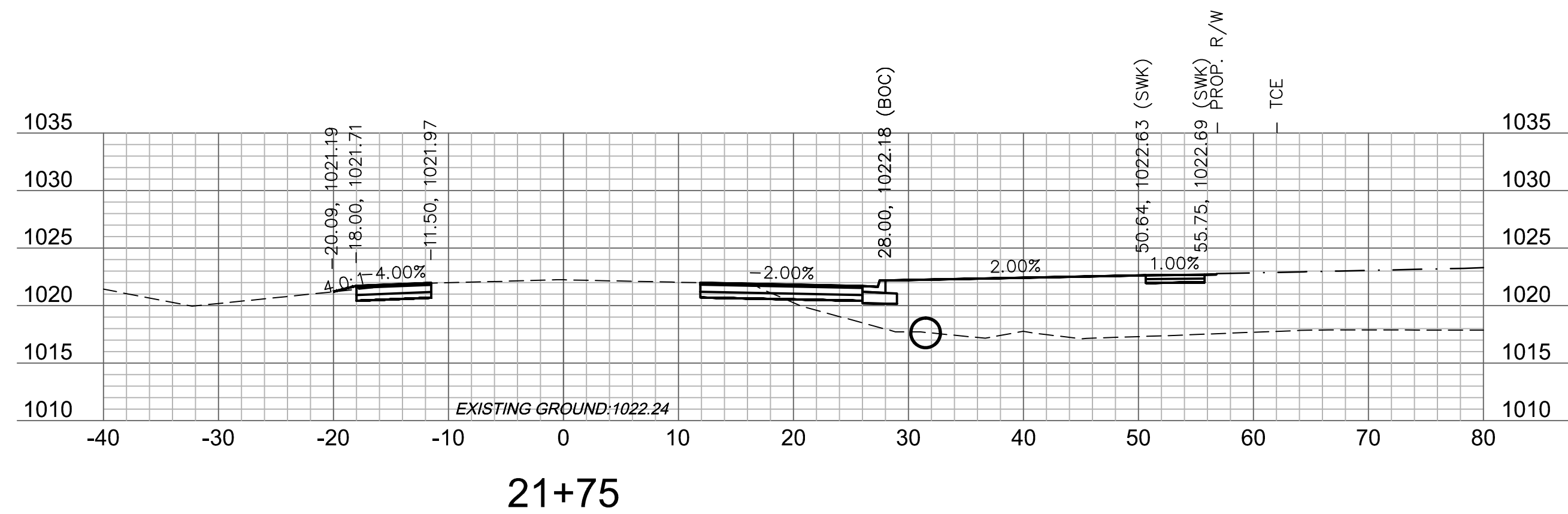


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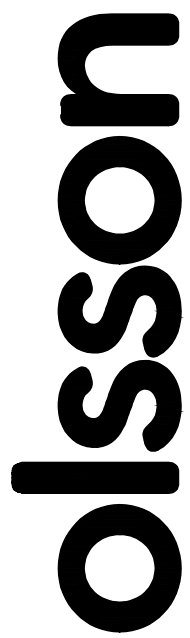
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OLDHAM PARKWAY CROSS SECTIONS	
OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2019

DWG: F:\2018\1001-1500\018-1450\40-Design\AutoCAD\Final Plans\Xref\T_PCORR_81450.dwg
XREFS: v_xbou_81450 V_TOPO_81450 T_PBASE_81450 C_PBASE_81450 T_PTBULK_81450
DATE: Jul 25, 2019 9:37am USER: ascavedra



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Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com

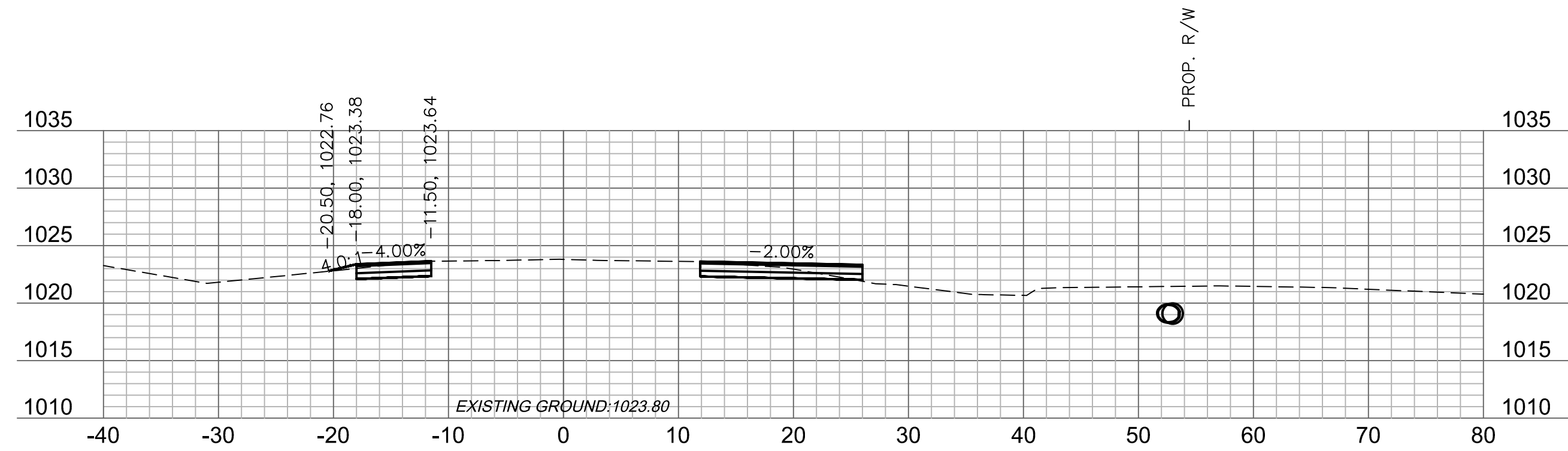
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OLDHAM PARKWAY CROSS SECTIONS	
O'REILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	20

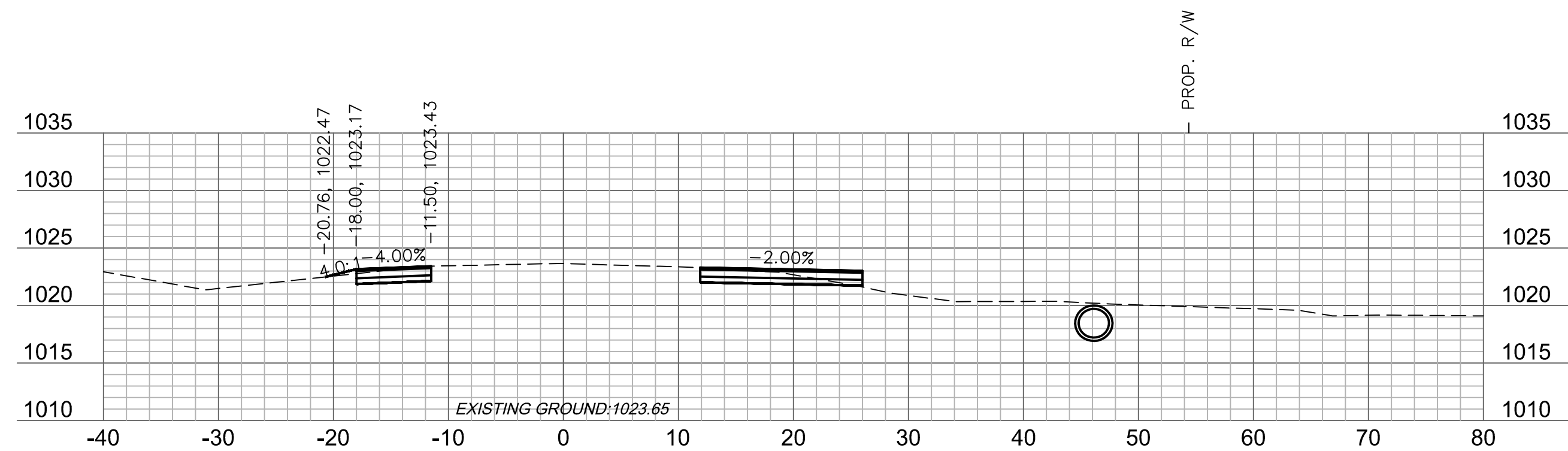
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DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_PCORR_81450
DATE: 07.19.19

SHEET
T41 OF 70

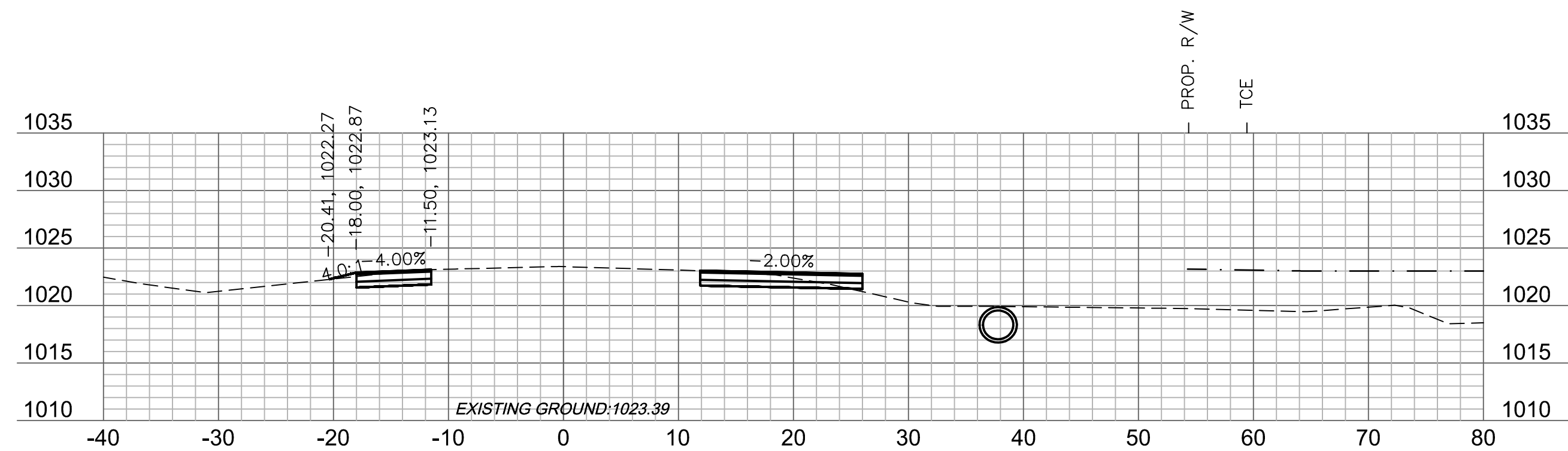
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 DATE: Jul 25, 2019 9:37am USER: ascavedra



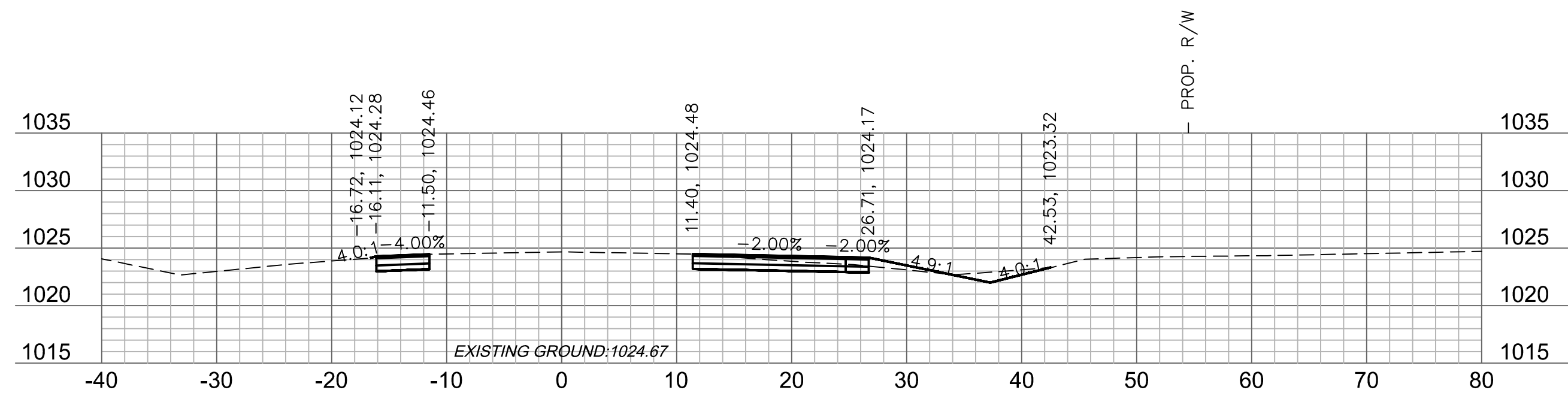
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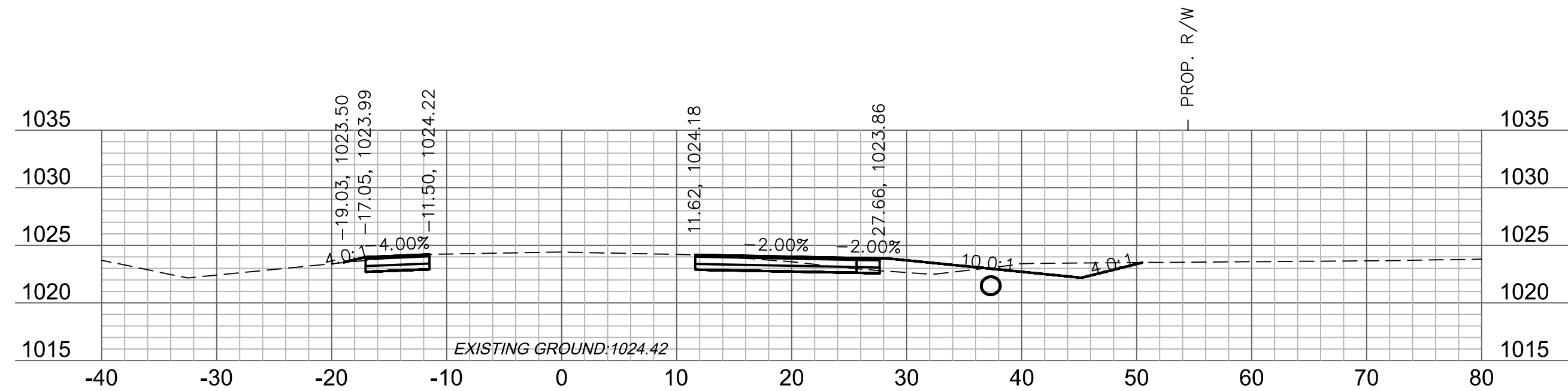
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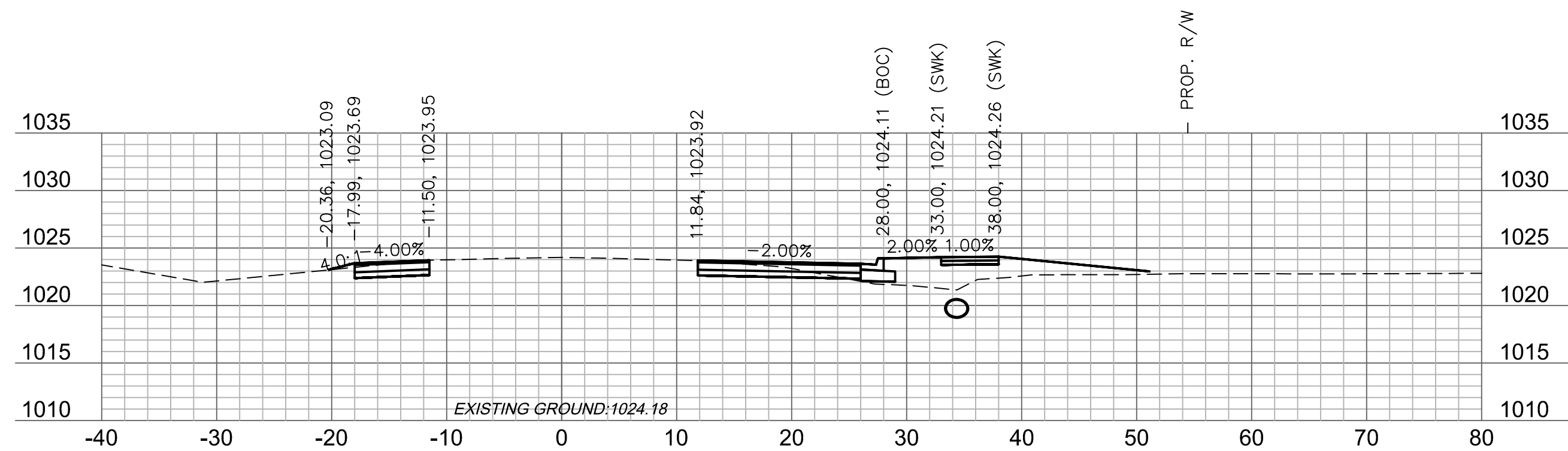
22+75



24+00

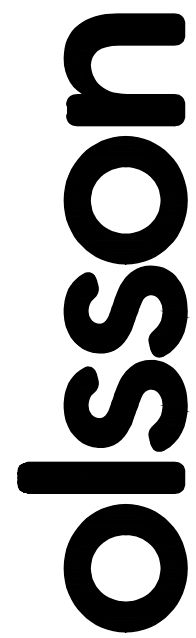


23+75



23+50

GRADING (BY OTHERS)	
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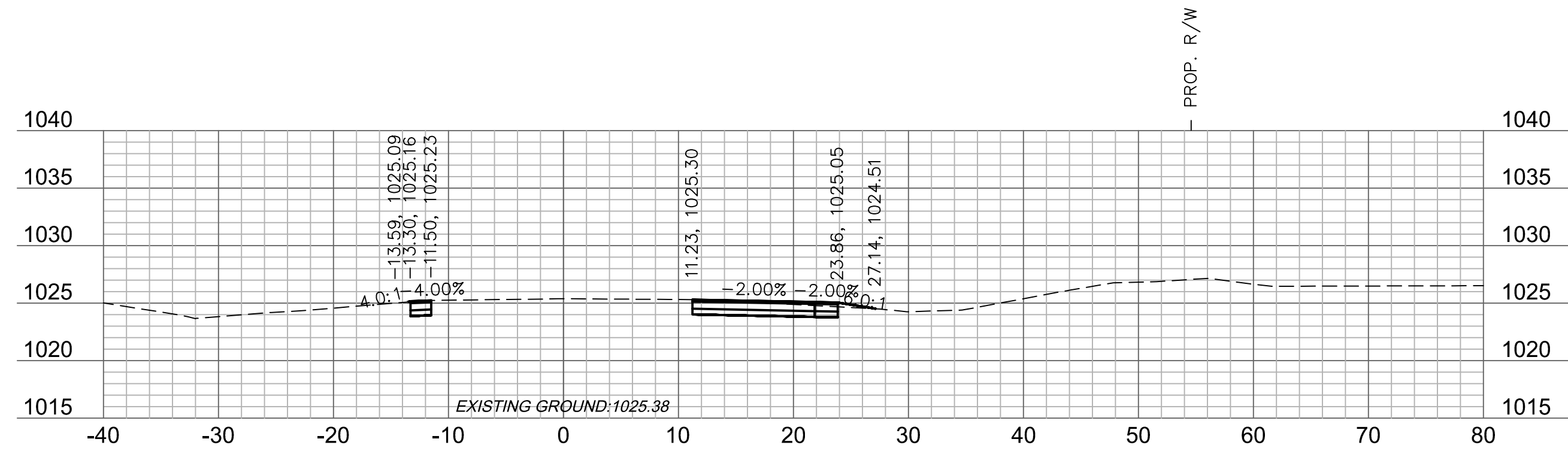
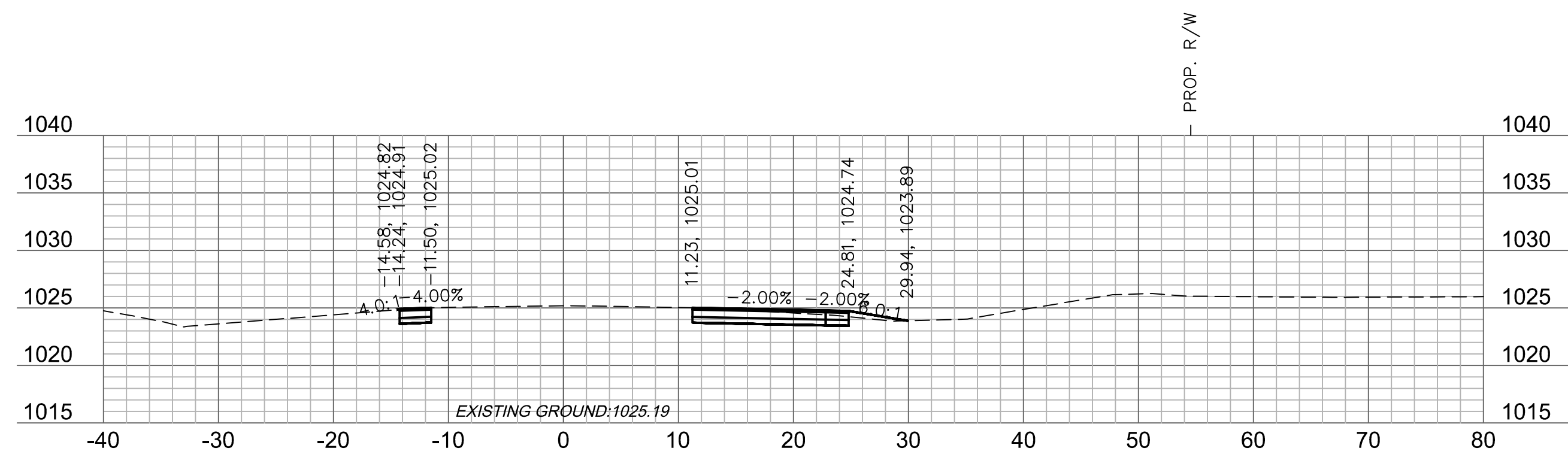
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Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com

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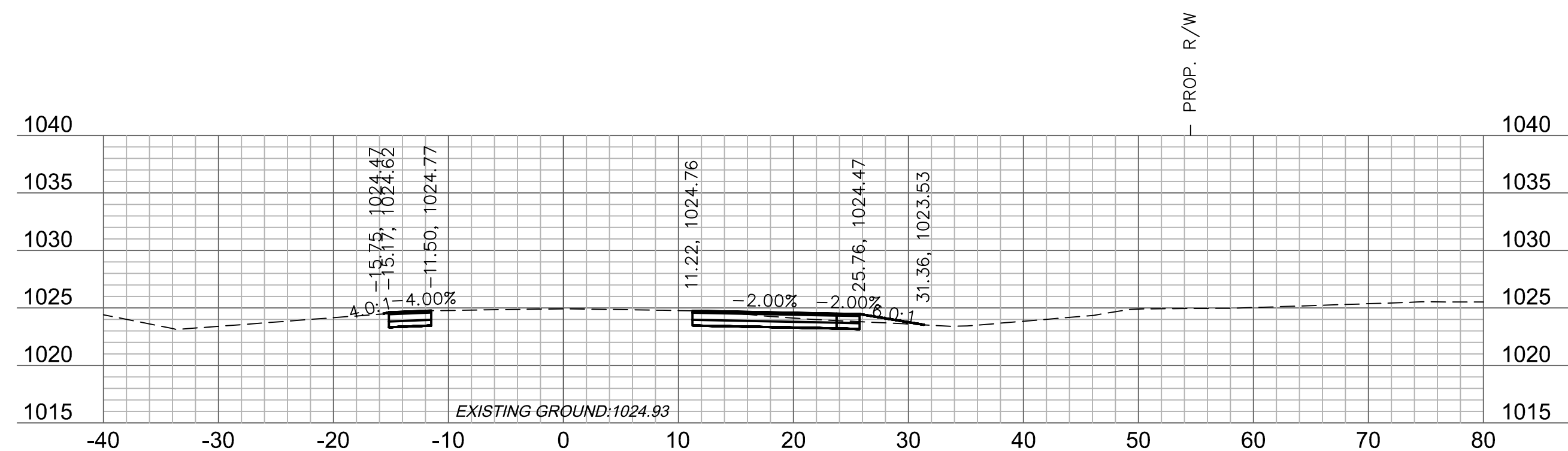
OLDHAM PARKWAY CROSS SECTIONS	2011
O'REILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	2012
LEE'S SUMMIT, MISSOURI	2013

C.O.A. NO.: 001592
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_PCORR_81450
DATE: 07.19.19

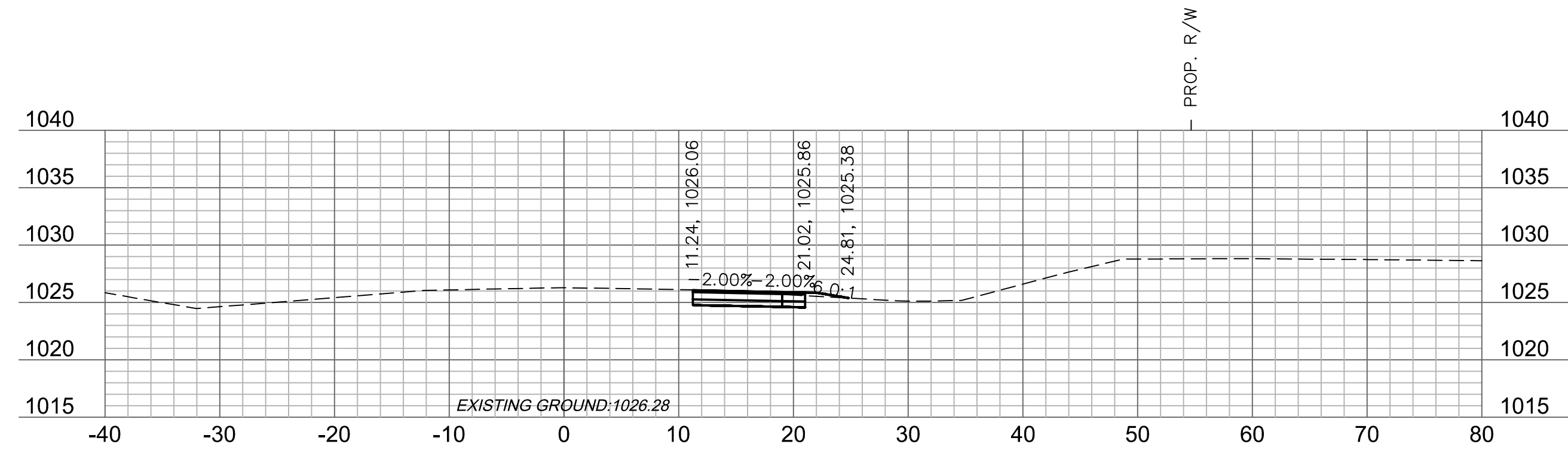
SHEET
T42 OF 70

 $24+75$ 

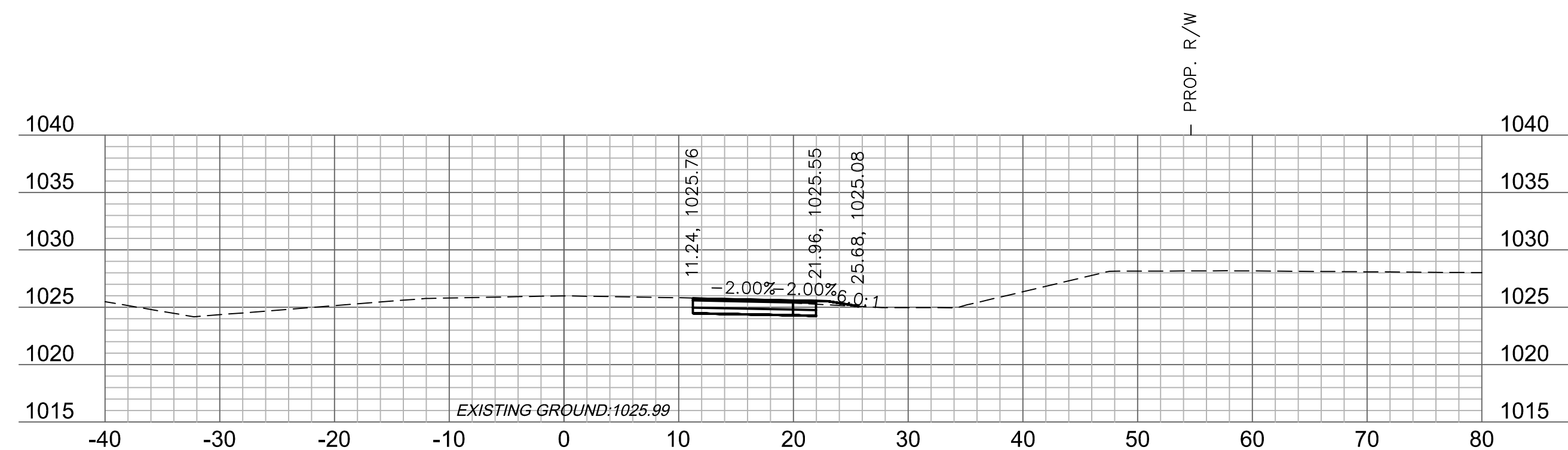
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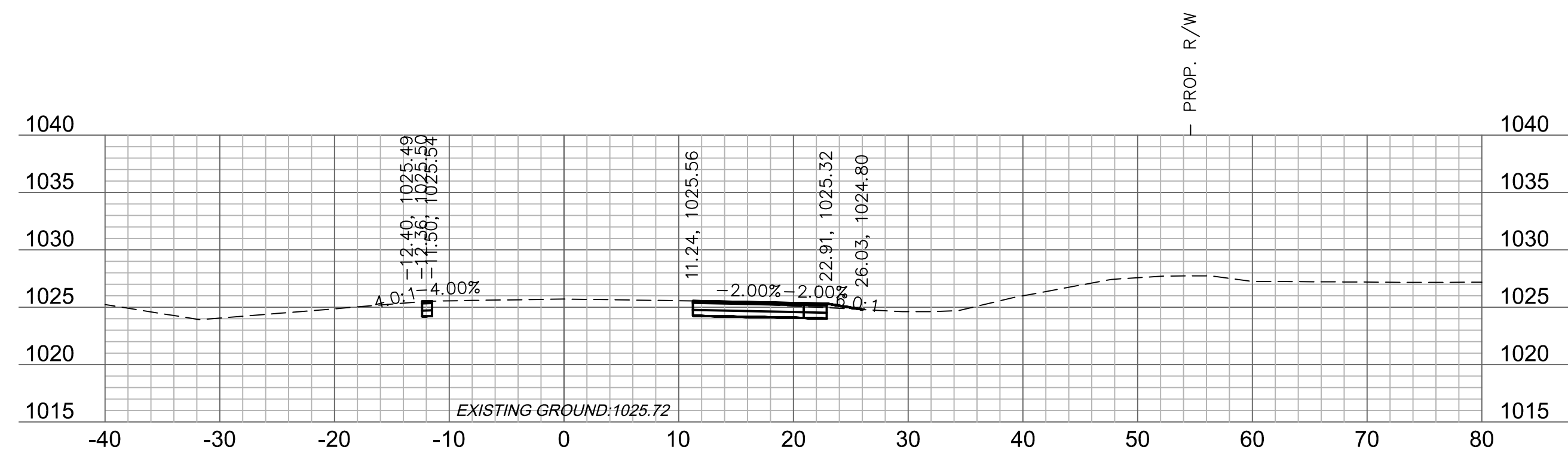
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25+50

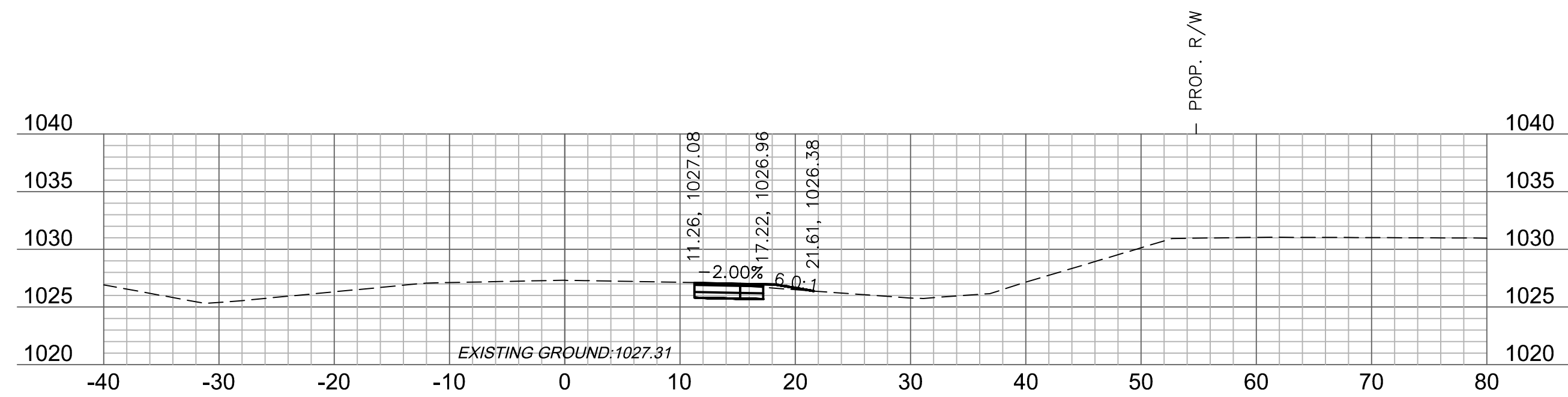
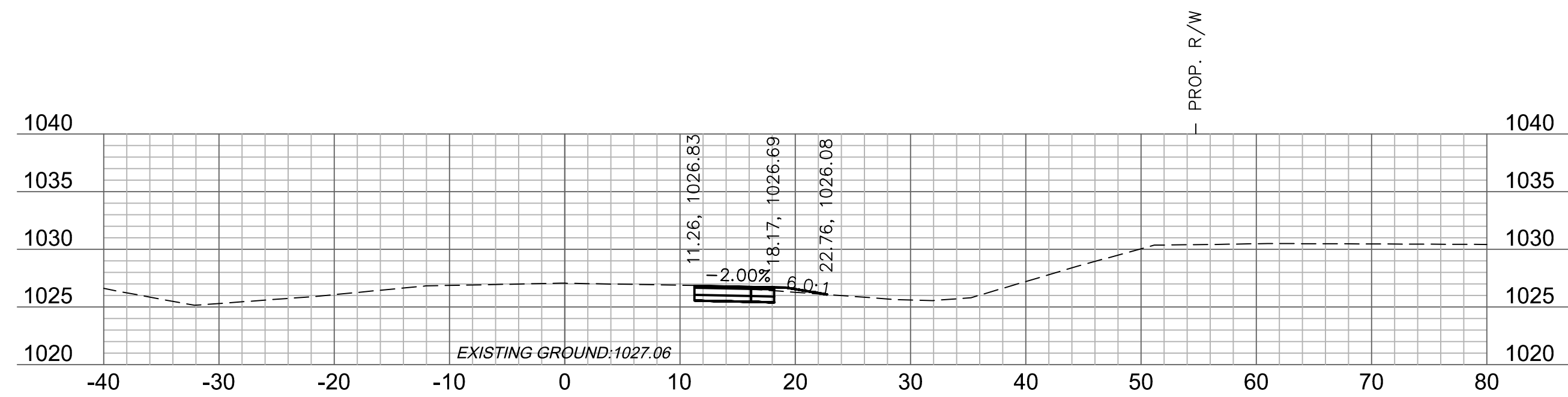


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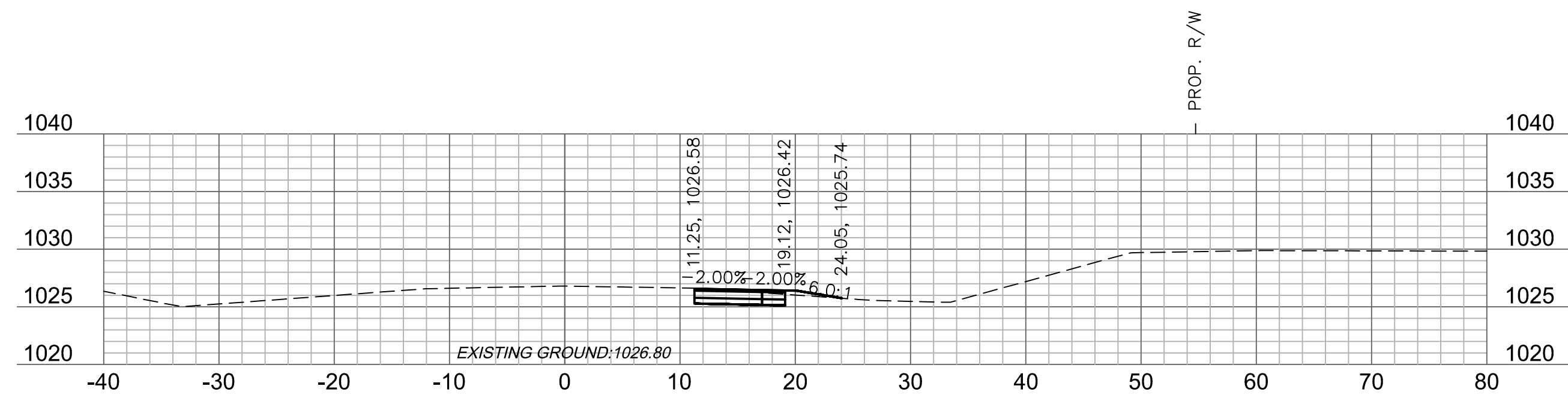


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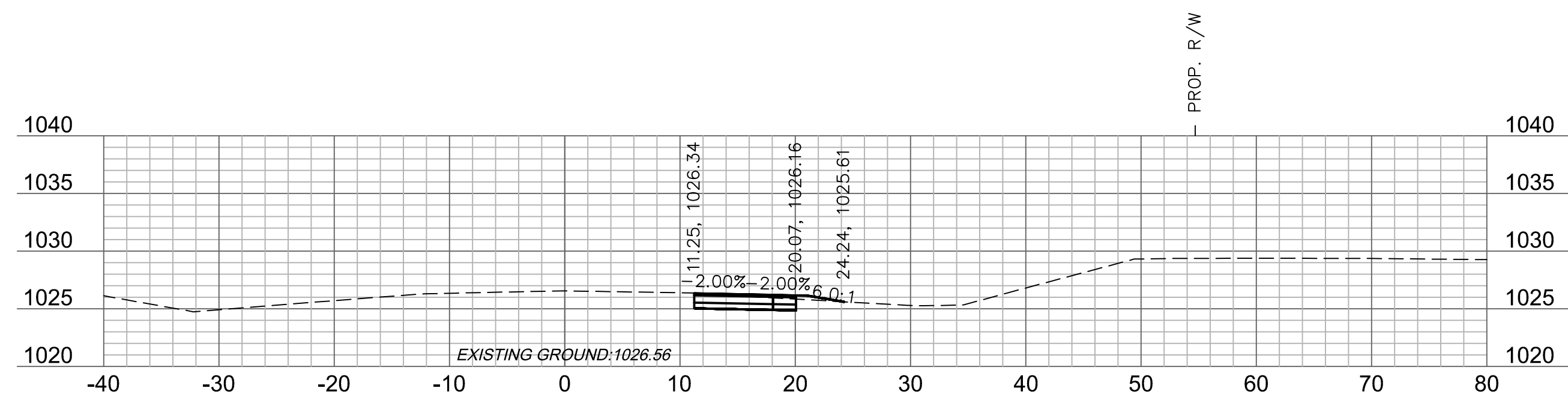
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I	20-29
J	10-19
K	0-9

 $26+50$ 

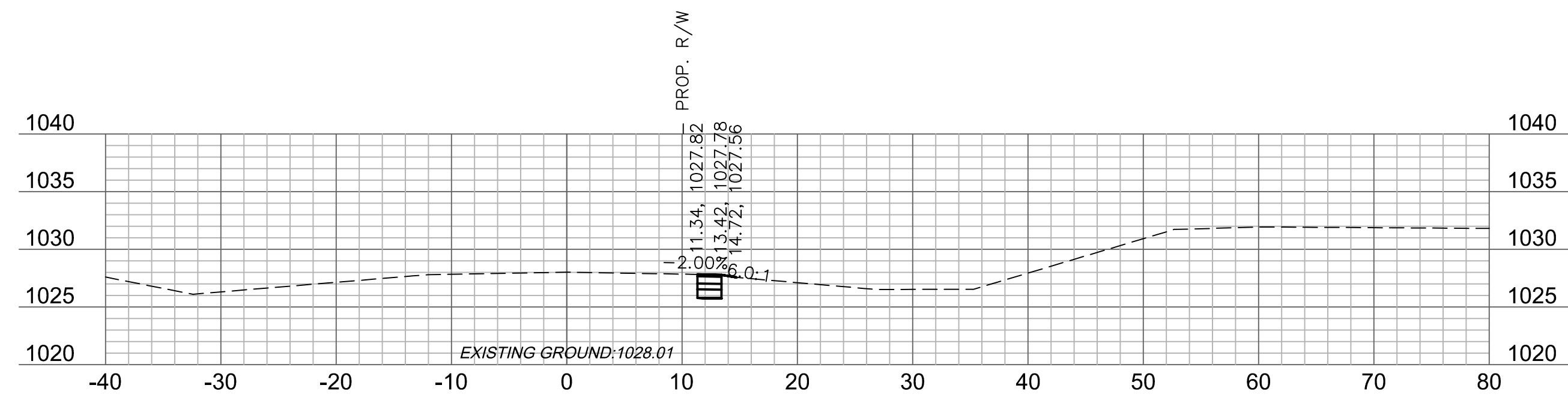
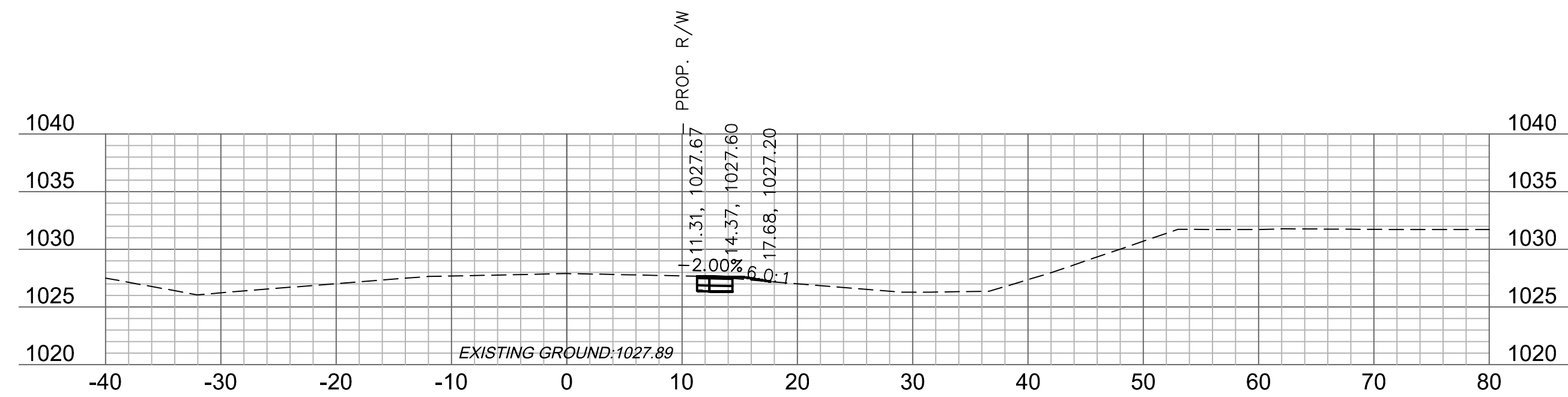
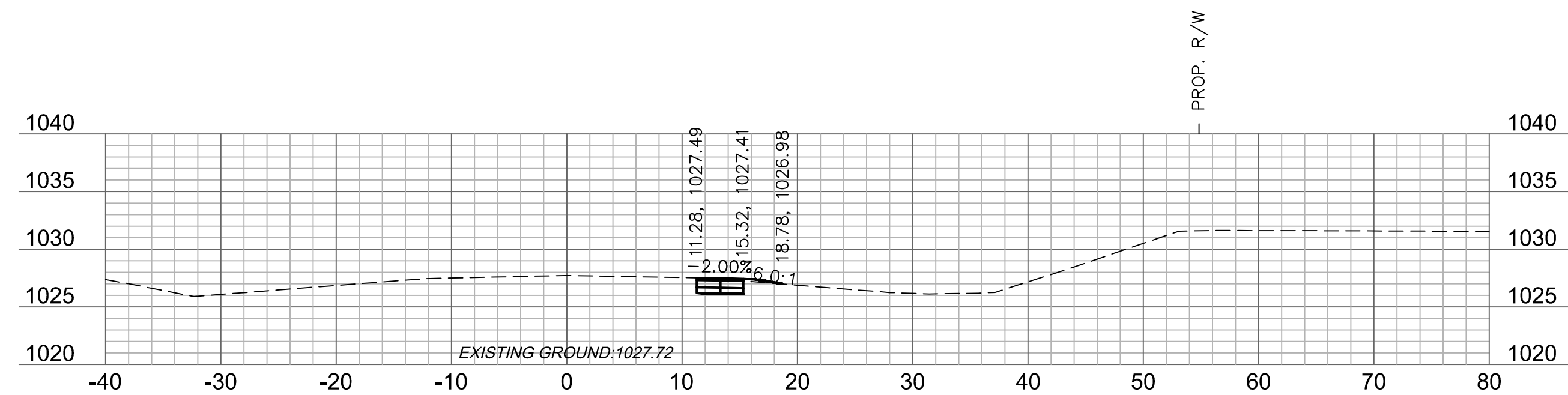
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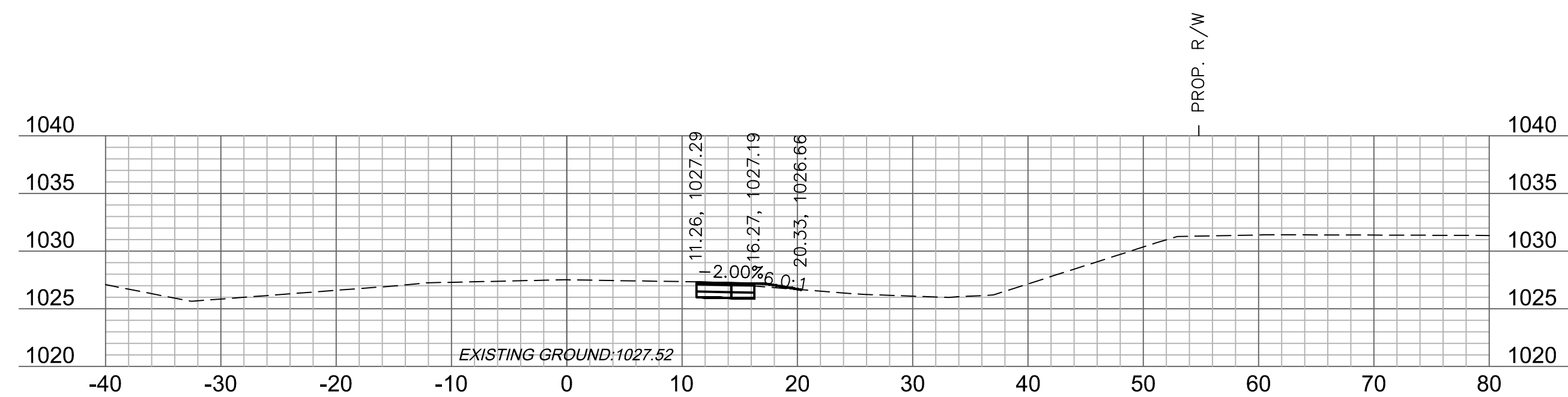
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25+75

 $27+50$  $27+25$ 

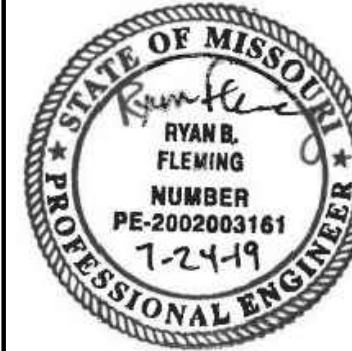
27+00



26+75

	GRADING (BY OTHERS)
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B	80-89
C	70-79
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G	40-49
H	30-39
I	20-29
J	10-19
K	0-9

DWG: F:\2018\1001-1500\018-1450\40-Design\AutoCAD\Final_Plans\Xref\T_PCORR_81450.dwg
XREFS: v_xbou_81450 V_TOPO_81450 T_PBASE_81450 C_PBASE_81450 T_PTBLK_81450
DATE: Jul 25, 2019 9:39am USER: asavedra

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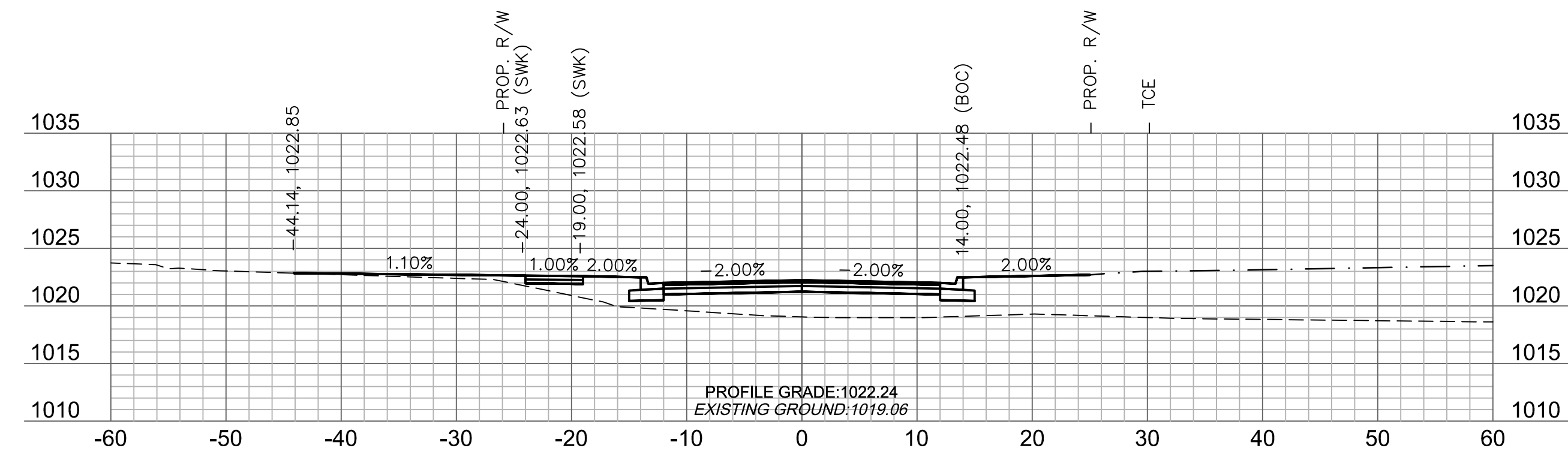
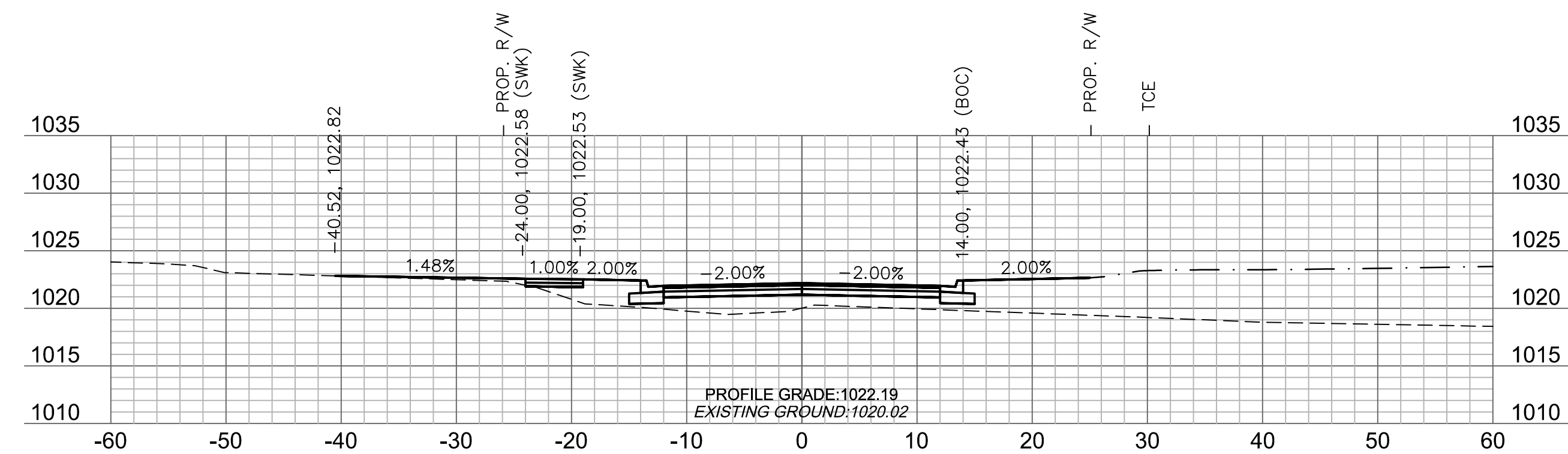
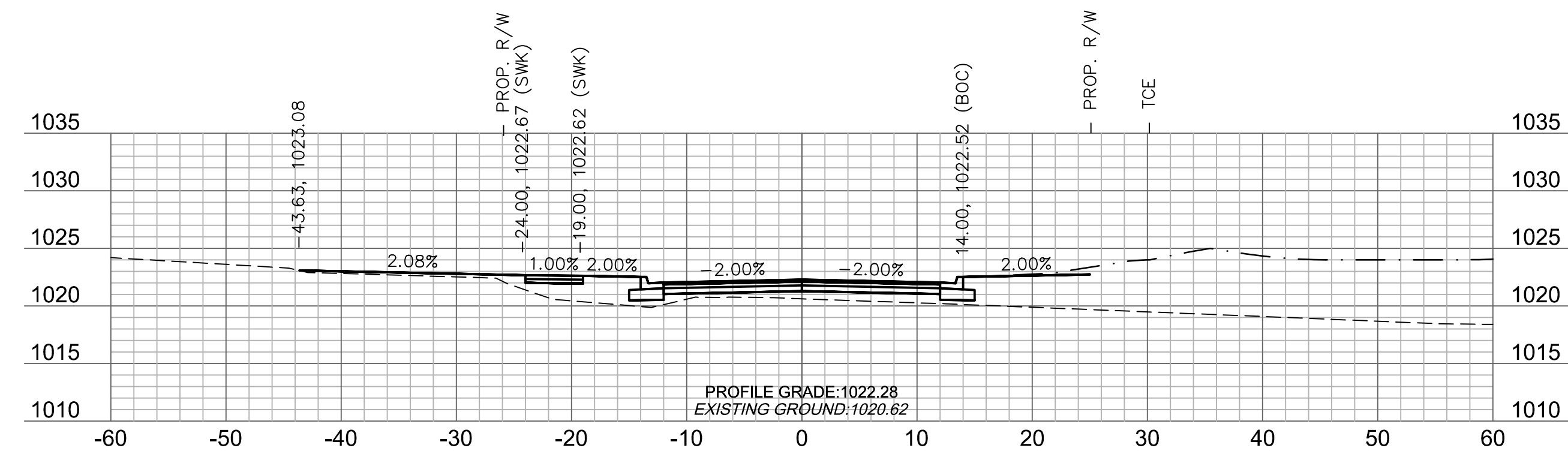
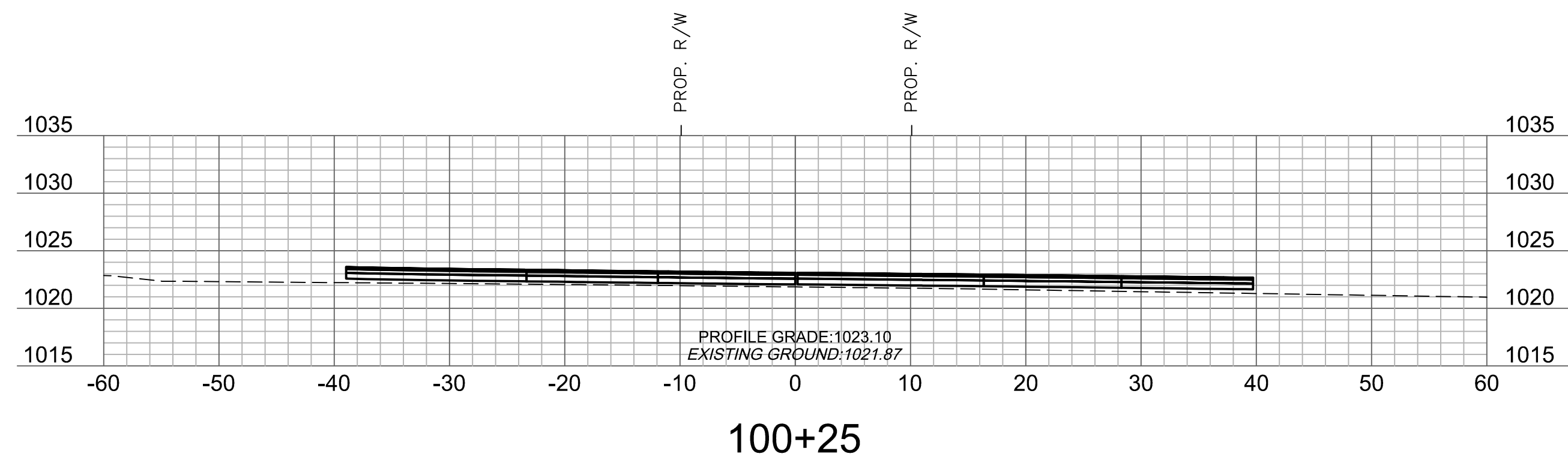
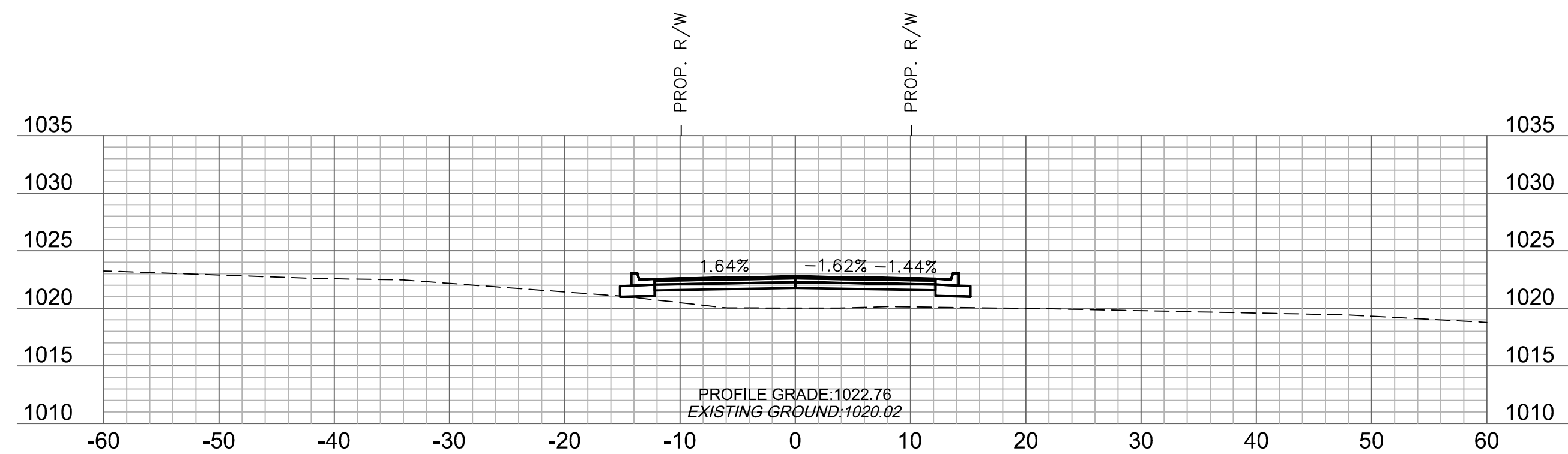
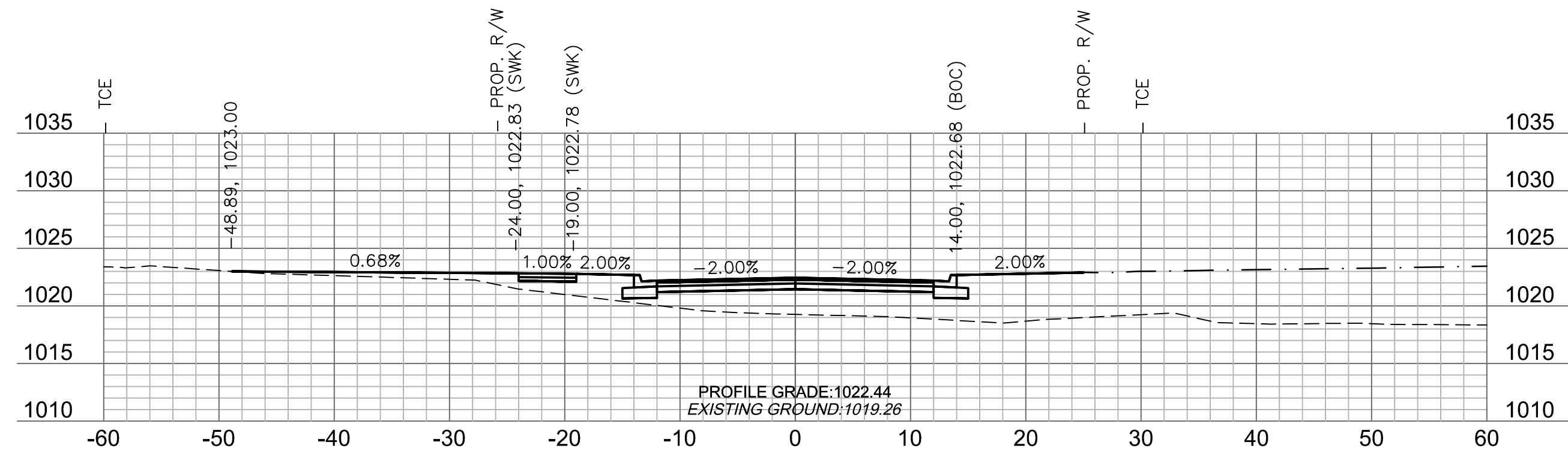
OLDHAM PARKWAY CROSS SECTIONS	OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	20
EE'S SUMMIT MISSOURI		

C.O.A. NO.: 00159;
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RB
QA/QC BY: JKL/RB
PROJECT NO.: 018-145
DWG NO.: T_PCORR_8145
DATE: 07.19.15

SHEET
T44 OF 70

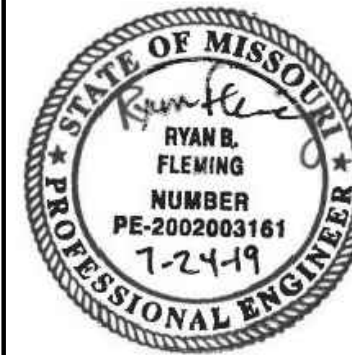
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Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com



	GRADING (BY OTHERS)
A	90-100
B	80-89
C	70-79
D	60-69
F	50-59
G	40-49
H	30-39
I	20-29
J	10-19
K	0-9

DWG: F:\2018\1001-1500\018-1450\40-Design\AutoCAD\Final Plans\Xref\T_PCORR_81450.dwg
 XREFS: v_xbou_81450 V_TOPO_81450 T_PBASE_81450 C_PBASE_81450 T_PTBULK_81450
 DATE: Jul 25, 2019 9:33am USER: ascavedra



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[illegible]PRINCETON DRIVE
CROSS SECTIONS

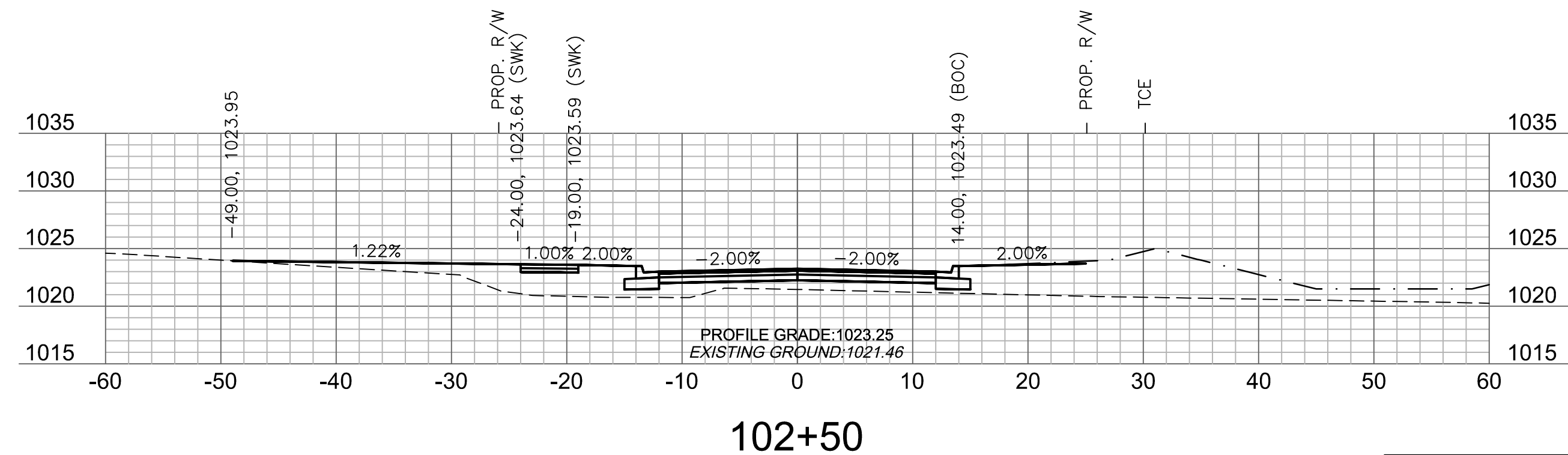
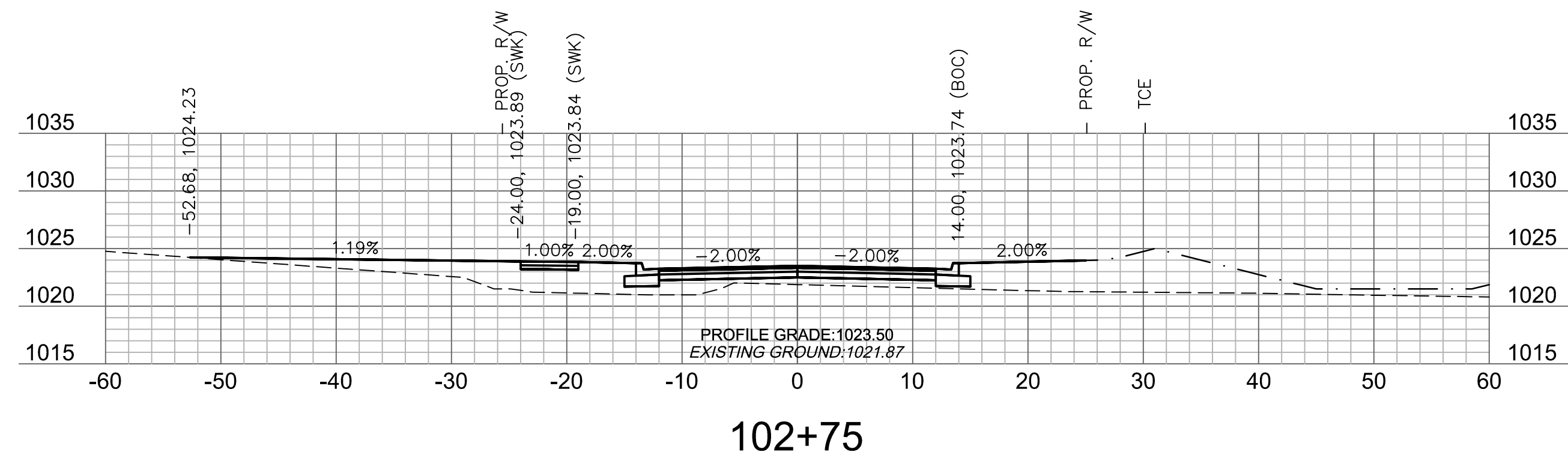
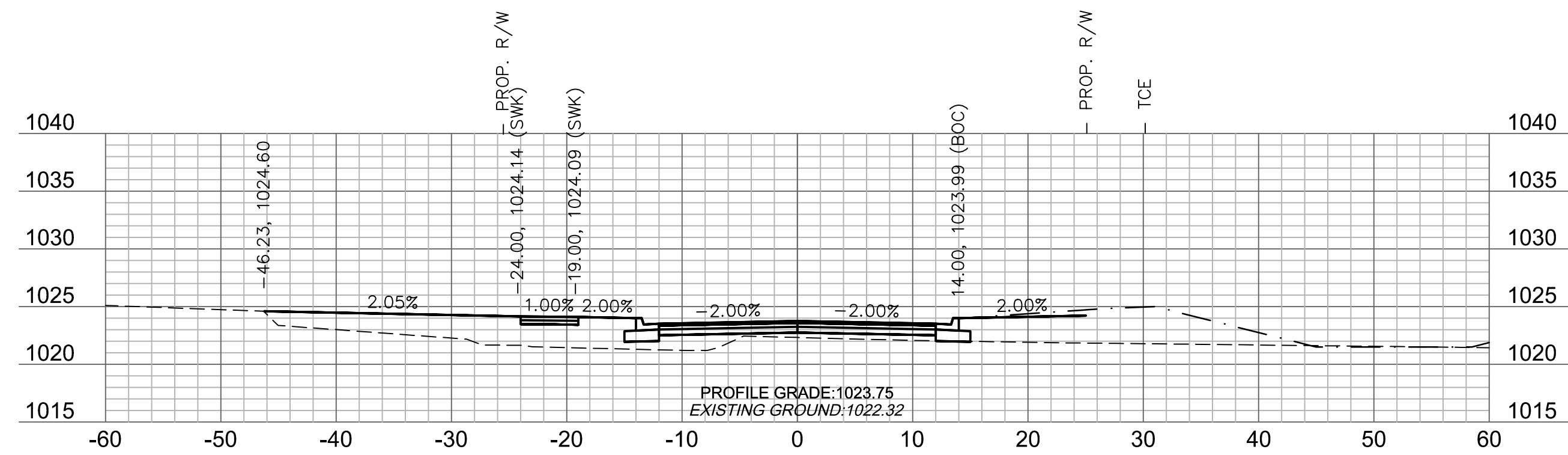
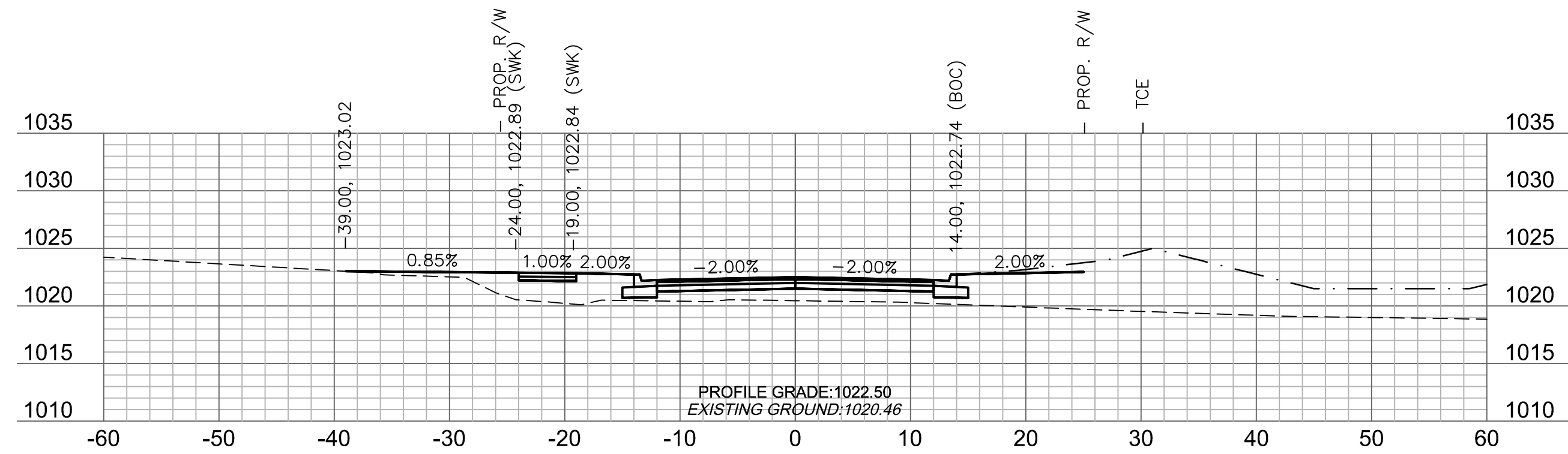
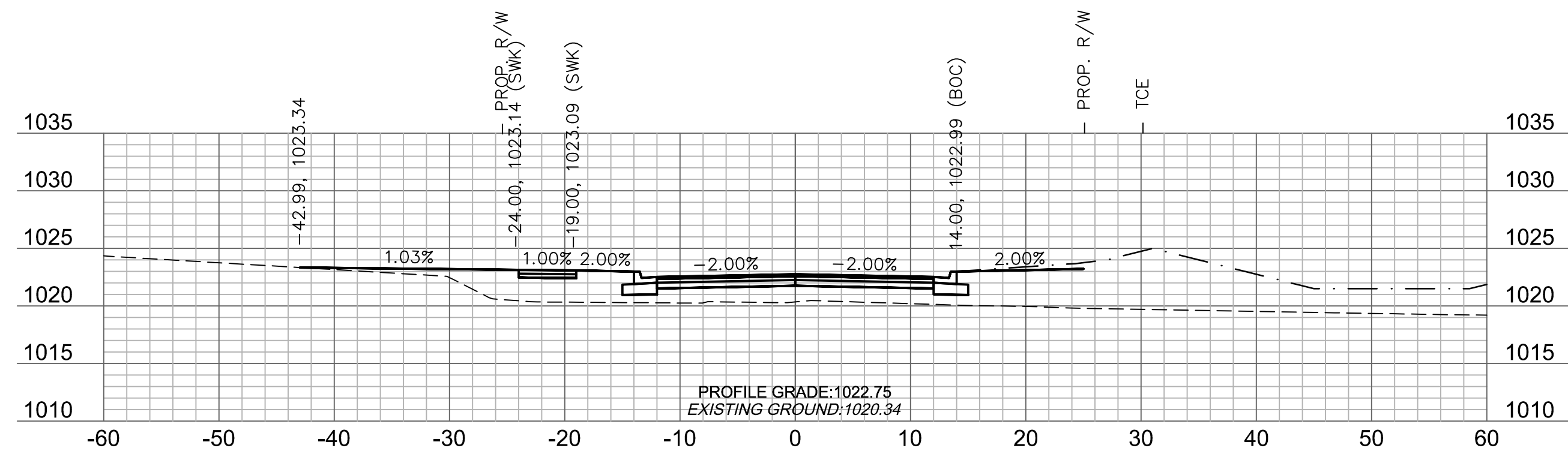
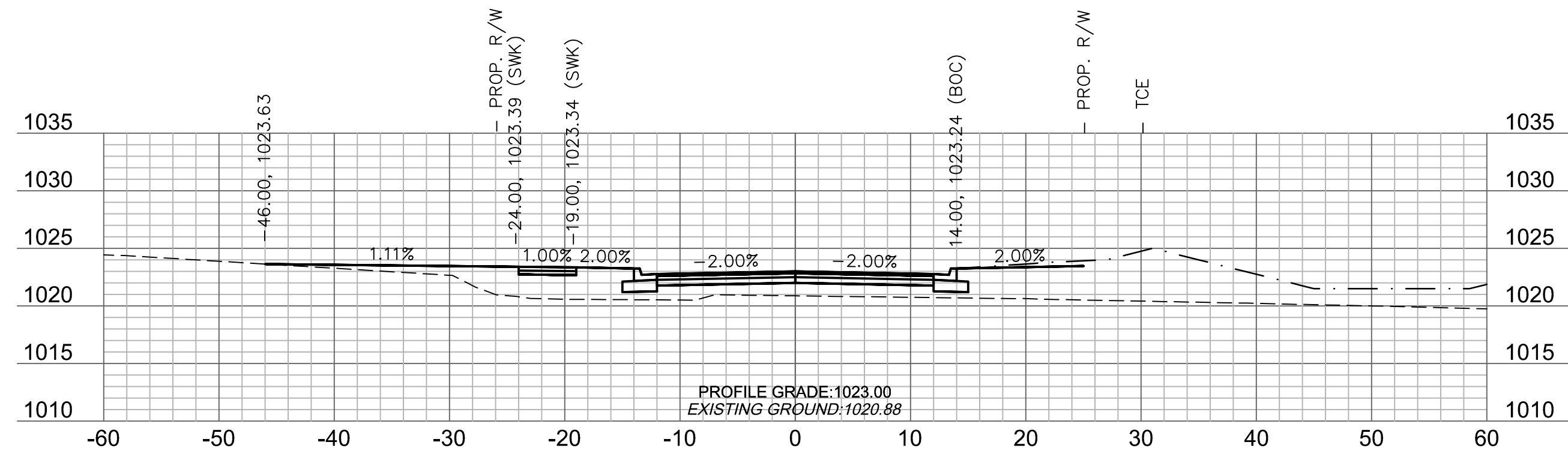
OREILLY DEVELOPMENT SENIOR LIVING FACILITY
OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

2019

C.O.A. NO.: 001592
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_PCORR 81450
DATE: 07.19.19

SHEET
T45 OF 70



GRADING (BY OTHERS)	
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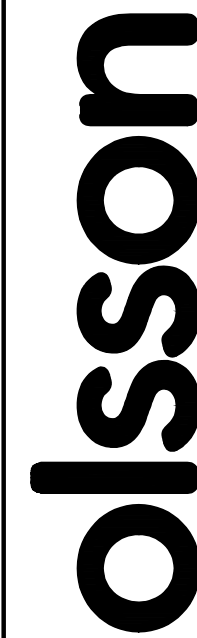
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USER: asaavedra
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V_TOPO_81450



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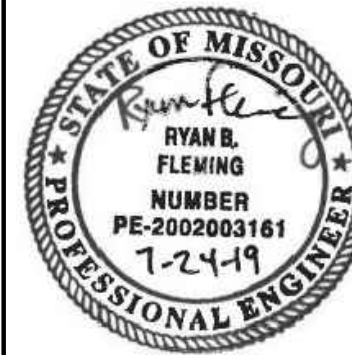
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FAX 913.381.1174

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RYAN B.
FLEMING
NUMBER
E-2002002

NUMBER
E-20030031

7-24-10

1274

PV

SIGNATURE DESCRIPTION

DATE _____

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REVISIONS

11

PRINCETON DRIVE
CROSS SECTIONS

CROSS SECTIONS

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
101 DHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

OREILLY DEVELOPMENT SENIOR LIVING FACILITY
 101 DHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

C.O.A. NO.: 00159;
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RB
QA/QC BY: JKL/RB
PROJECT NO.: 018-145
DWG NO.: T_PCORR_8145
DATE: 07.19.15

C.O.A. NO.: 001597
DRAWN BY: AS

CHECKED BY: _____ IKL

APPROVED BY: _____

QA/QC BY: JKL/RBI

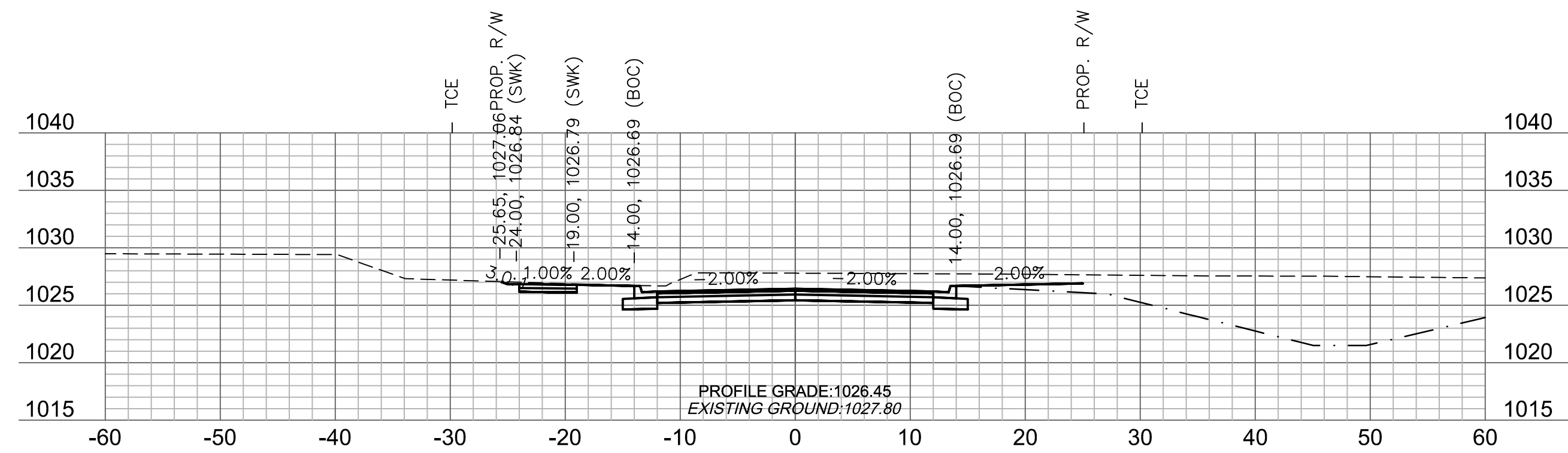
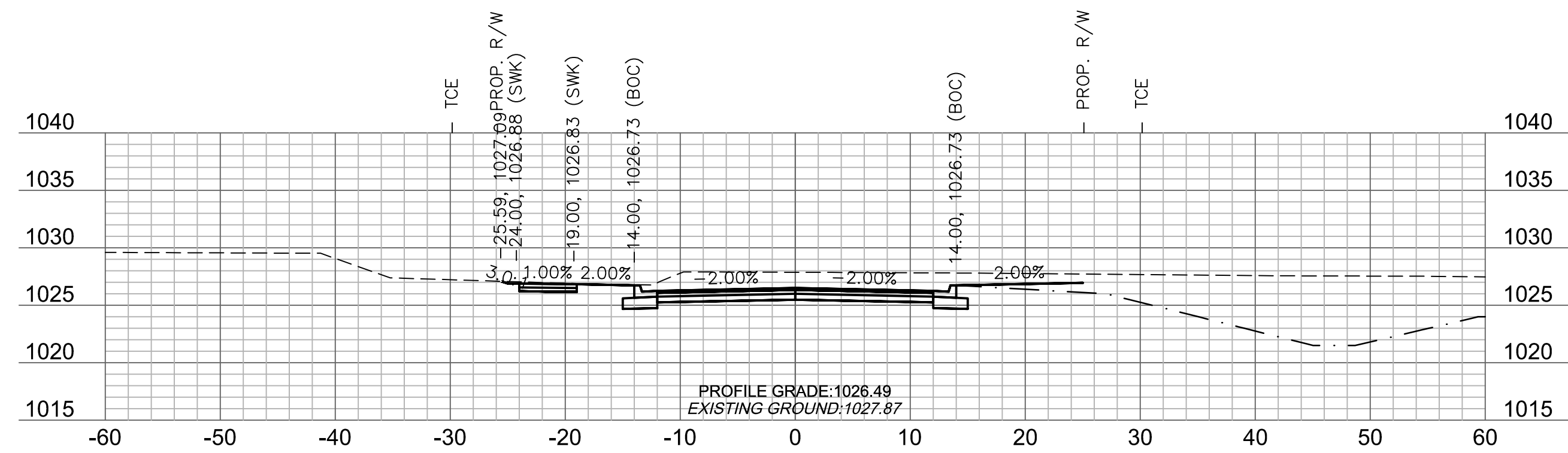
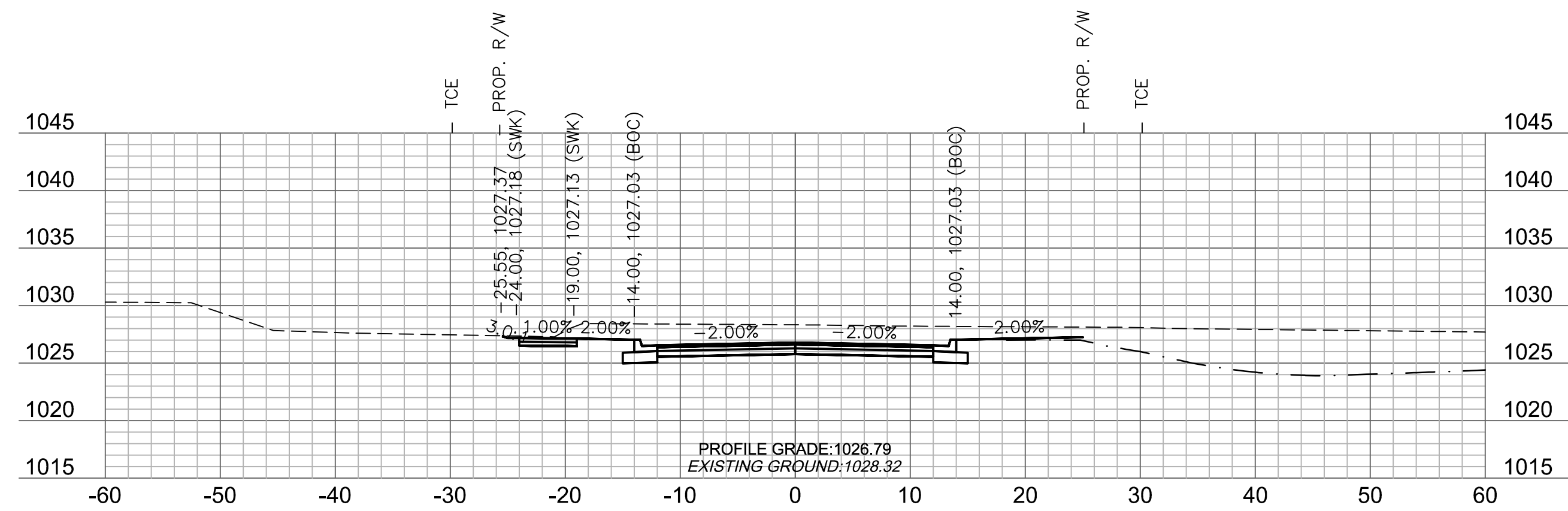
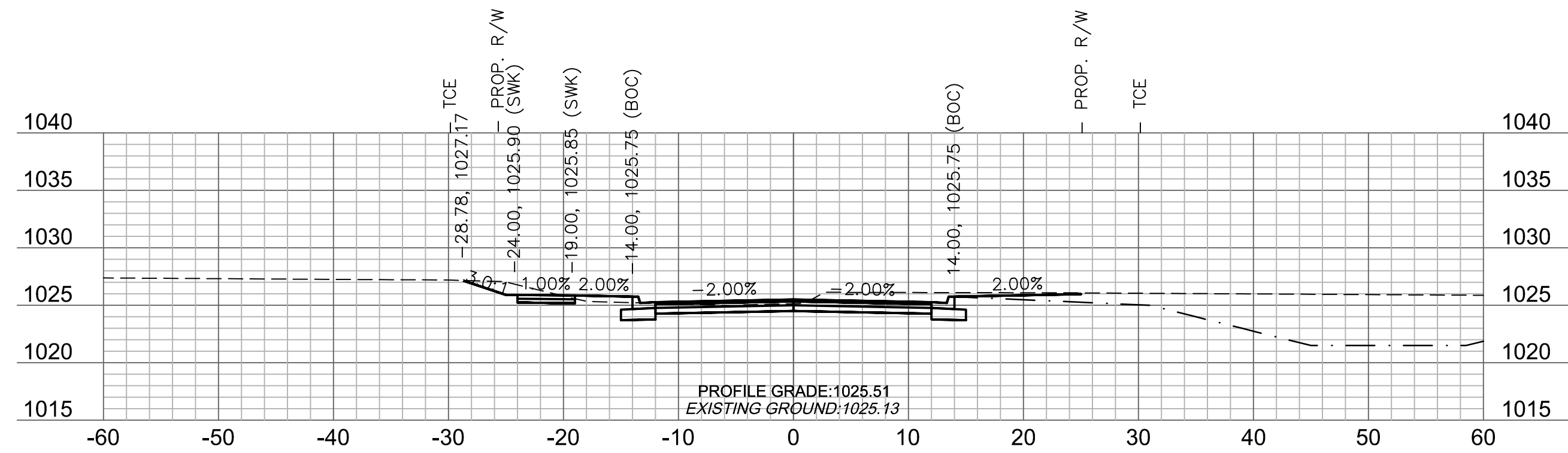
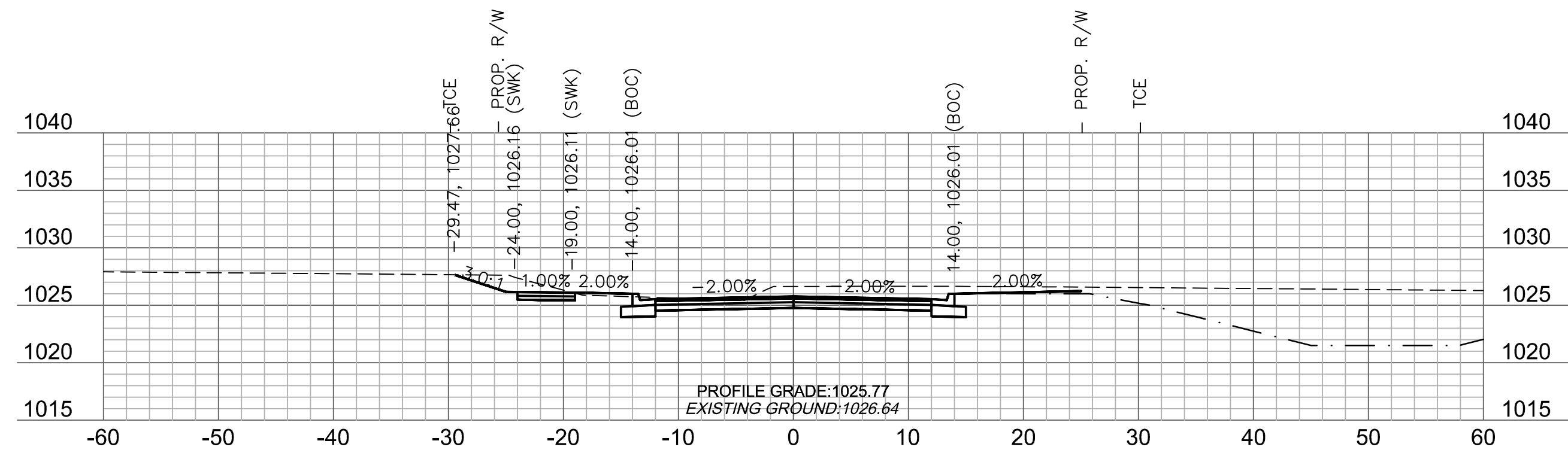
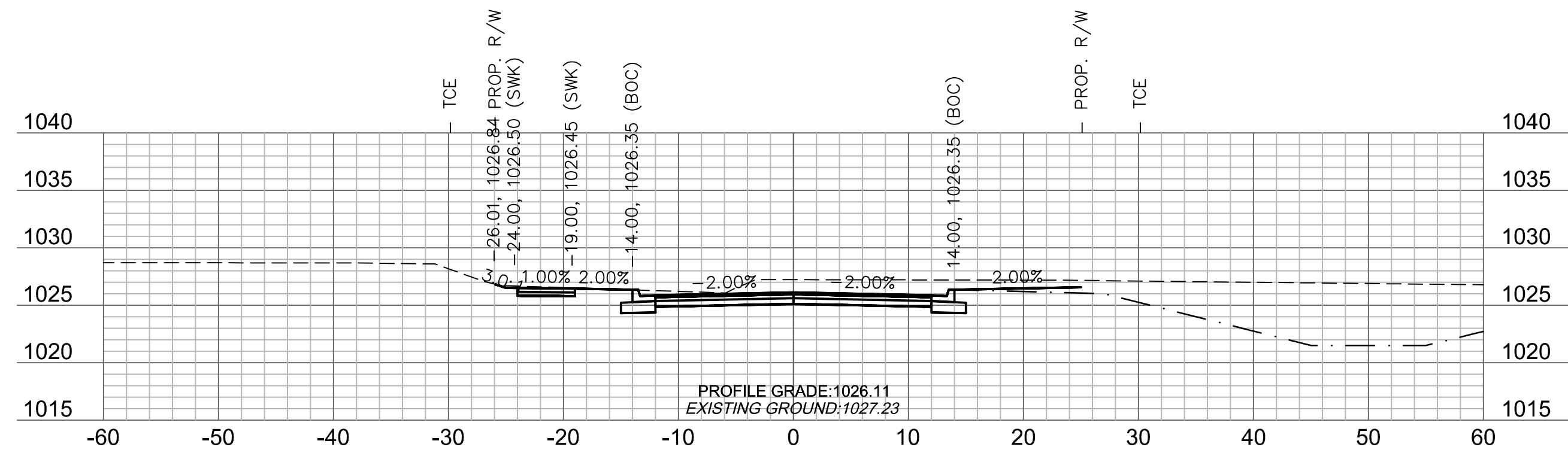
PROJECT NO.: 018-145

DWG NO.: T_PCORR_8145

DATE: 07.19.15

SHEET
T46 OF 70

T46 OF 70



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DATE: Jul 25, 2019 9:33am USER: ascavedra



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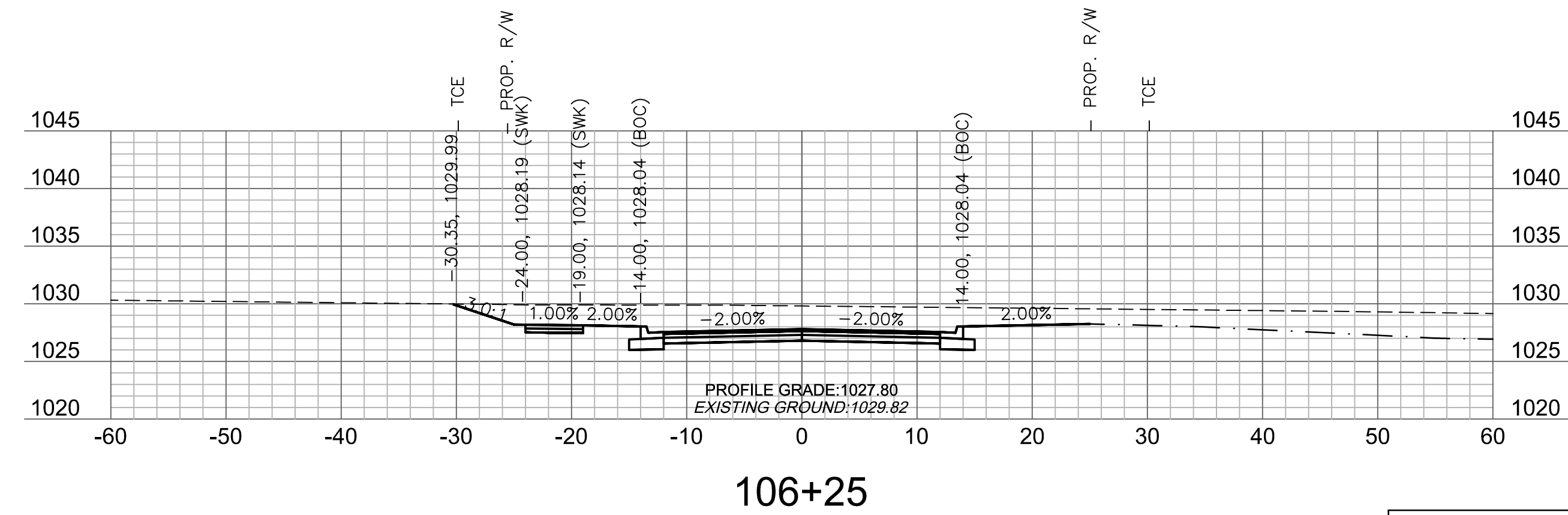
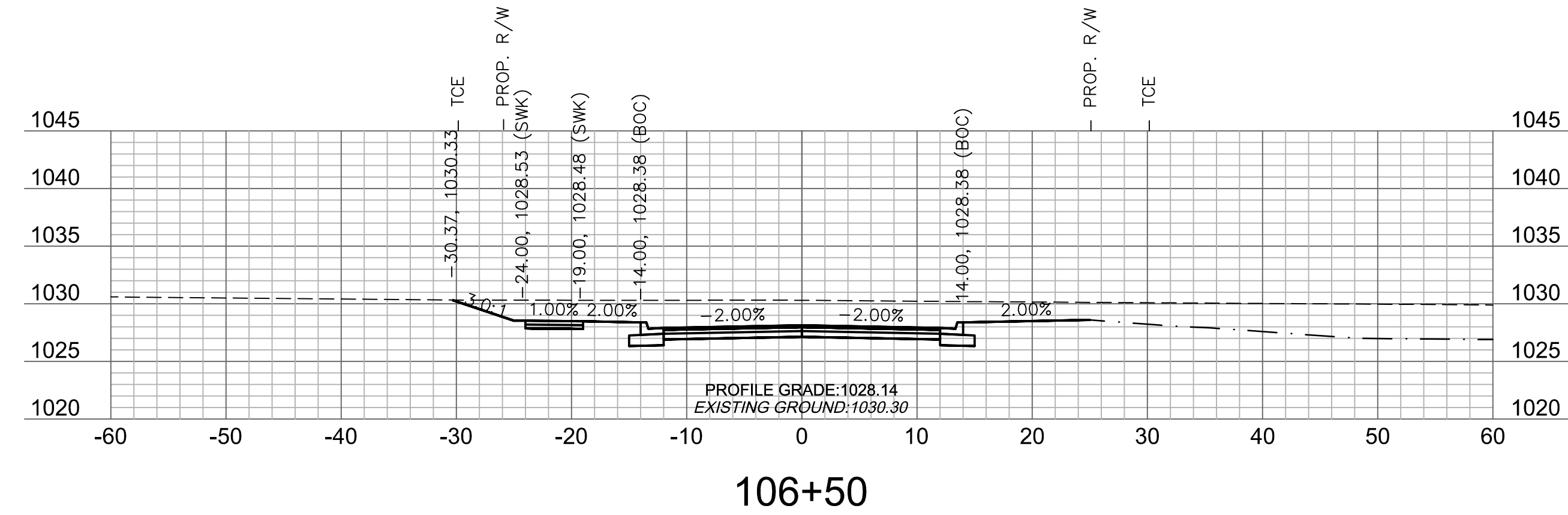
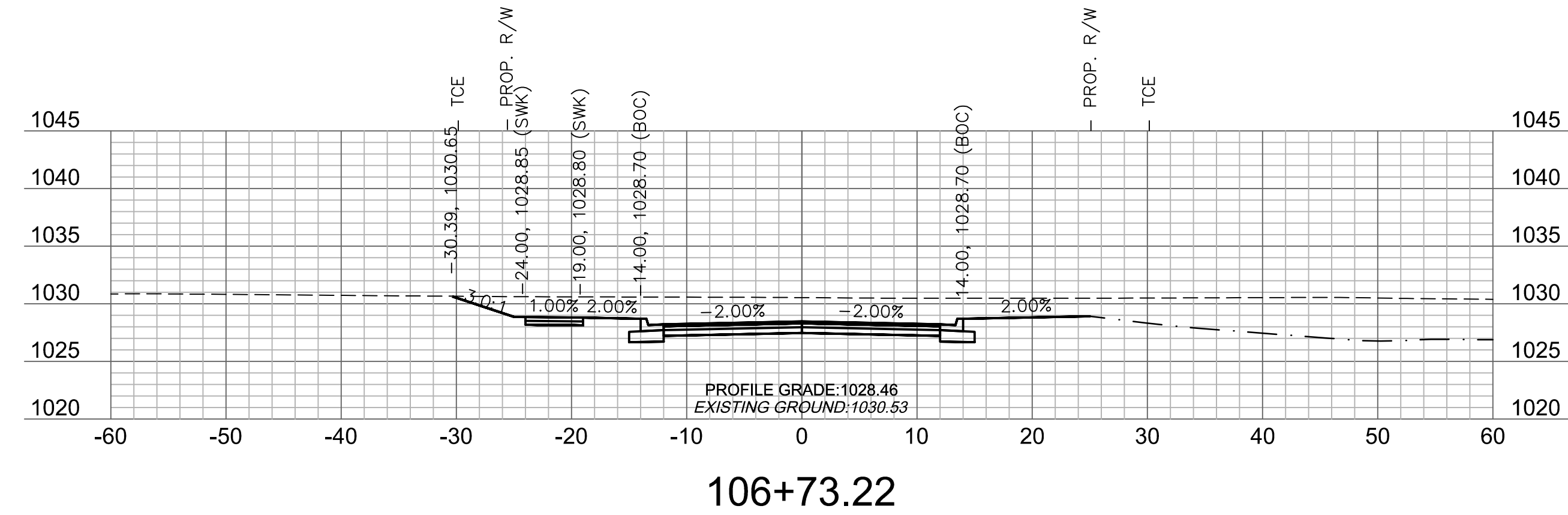
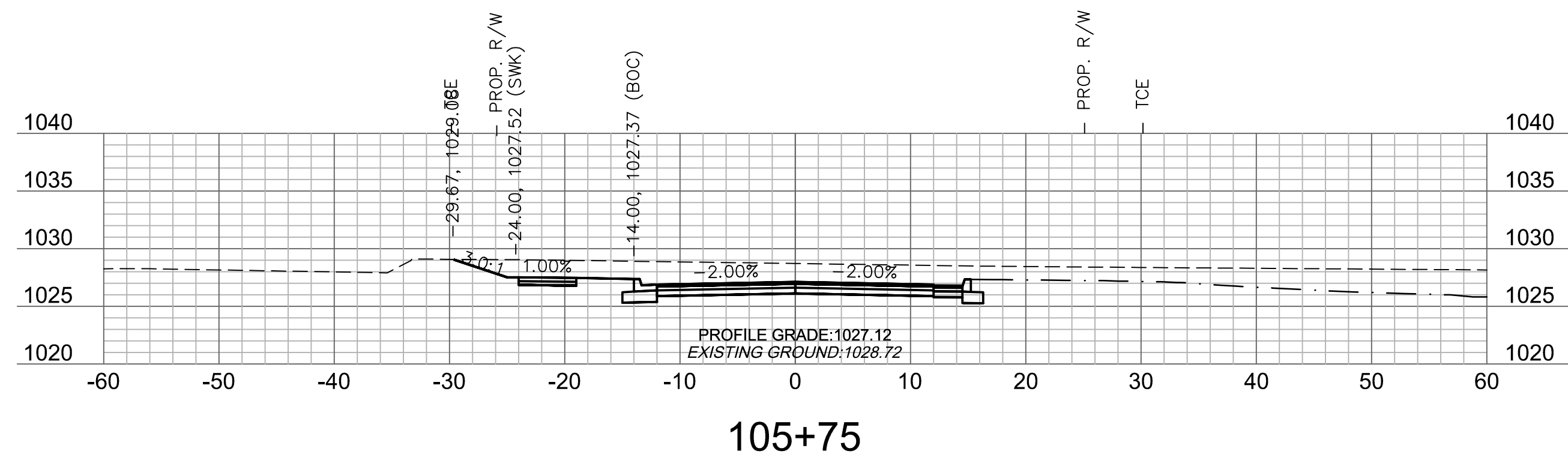
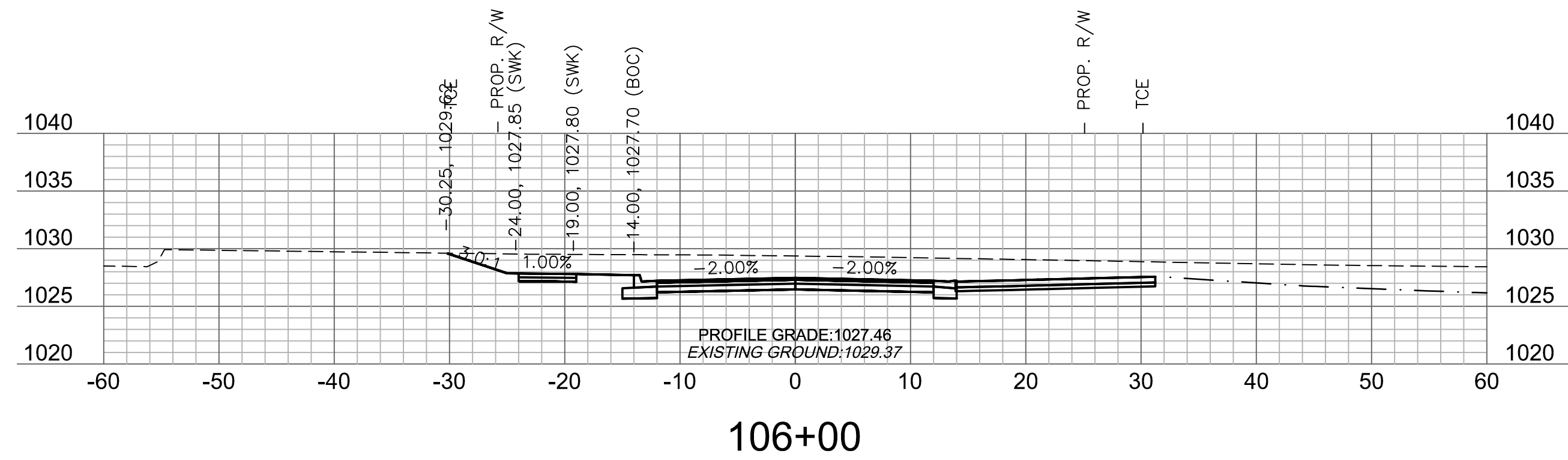
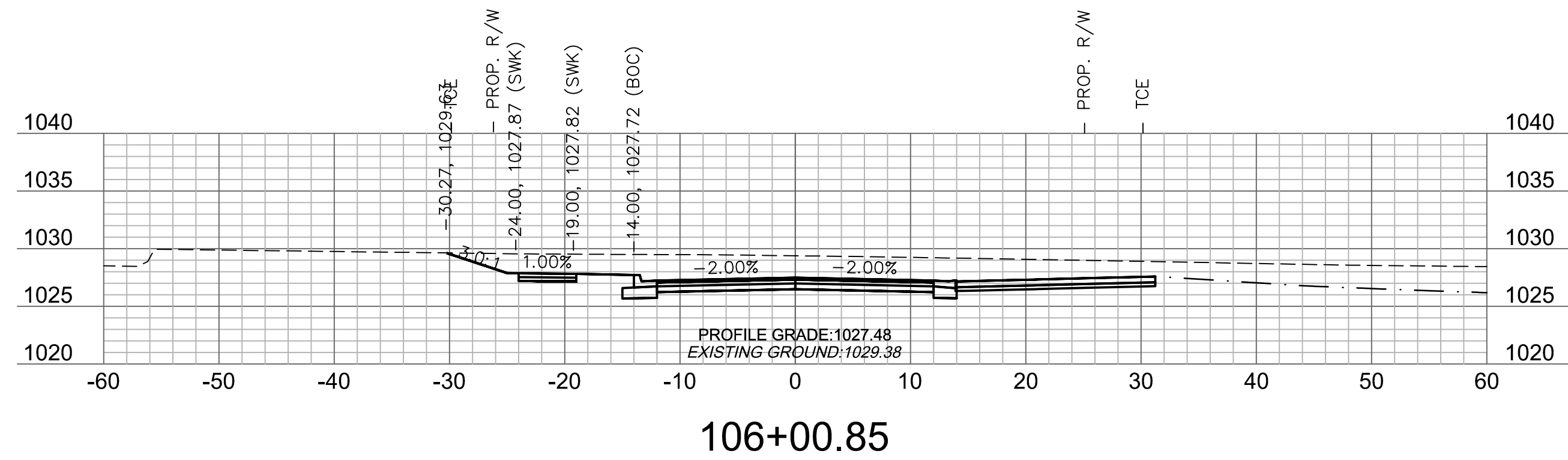
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Overland Park, KS 66213-4750 FAX 913.381.1174 www.olsson.com

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PRINCETON DRIVE CROSS SECTIONS	
O'REILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2019

C.O.A. NO.: 001592
DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_PCORR 81450
DATE: 07.19.19

SHEET
T48 OF 70



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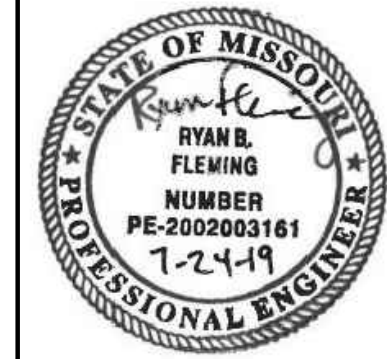
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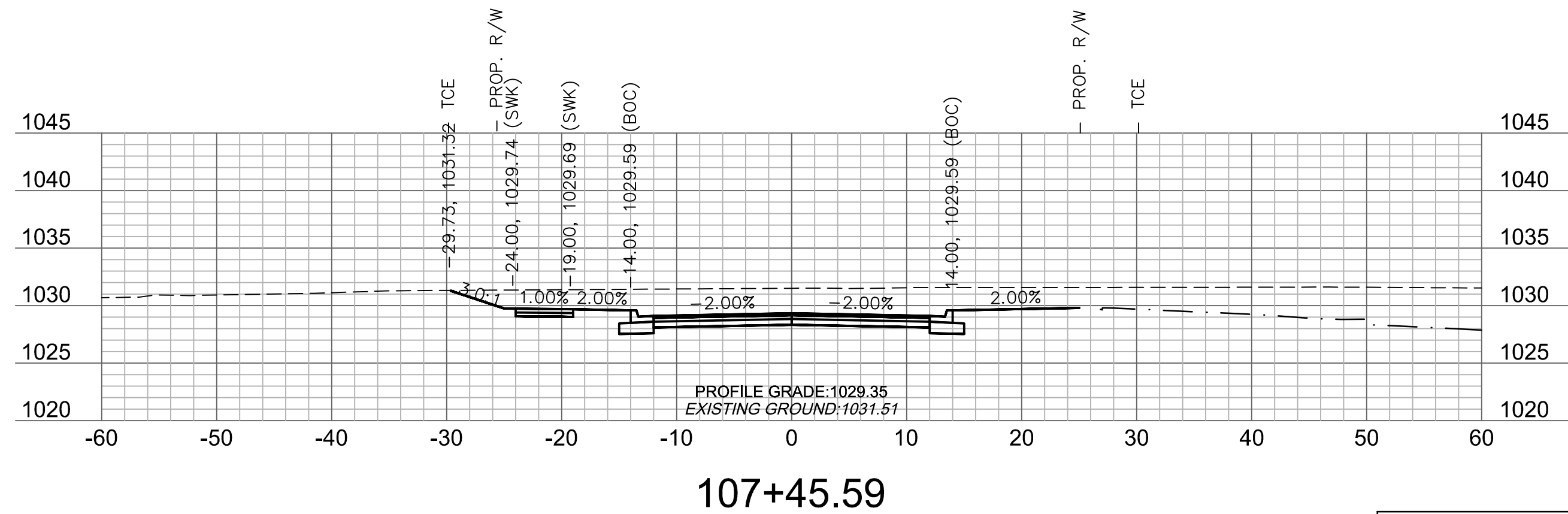
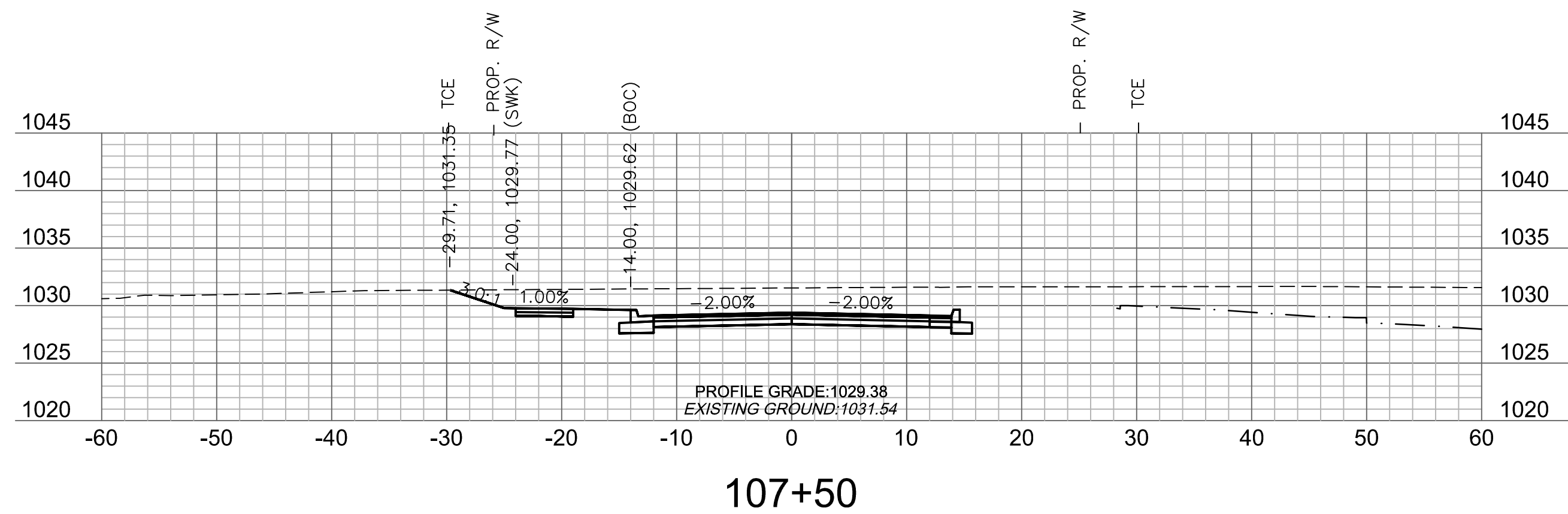
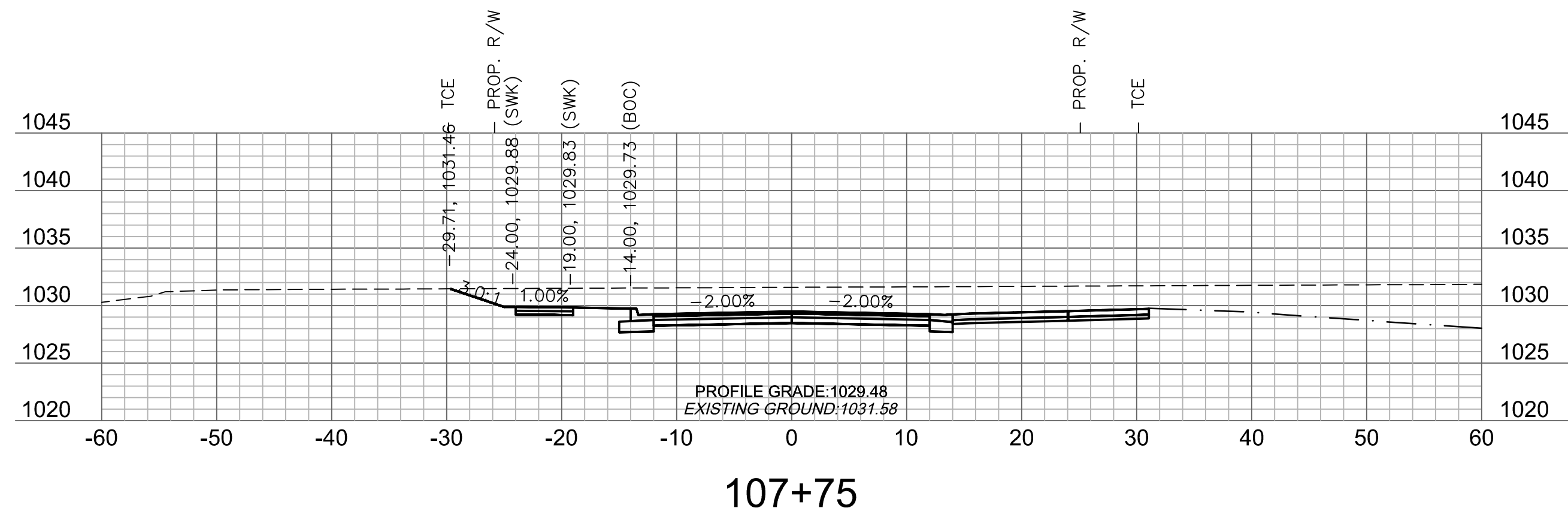
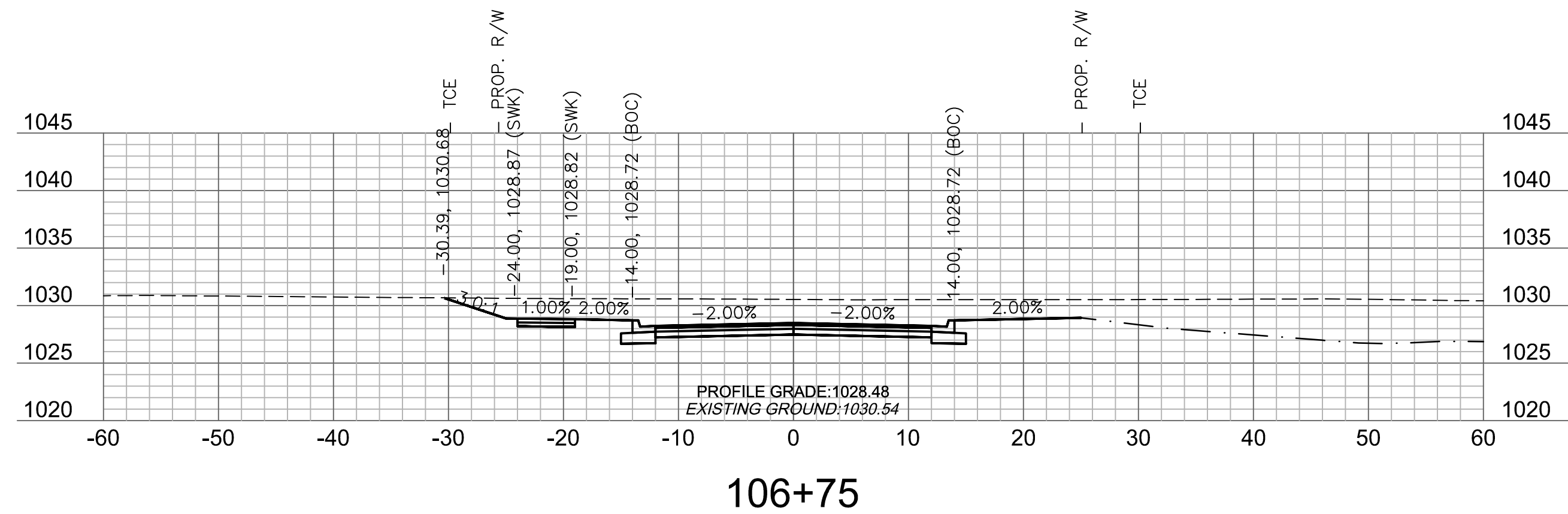
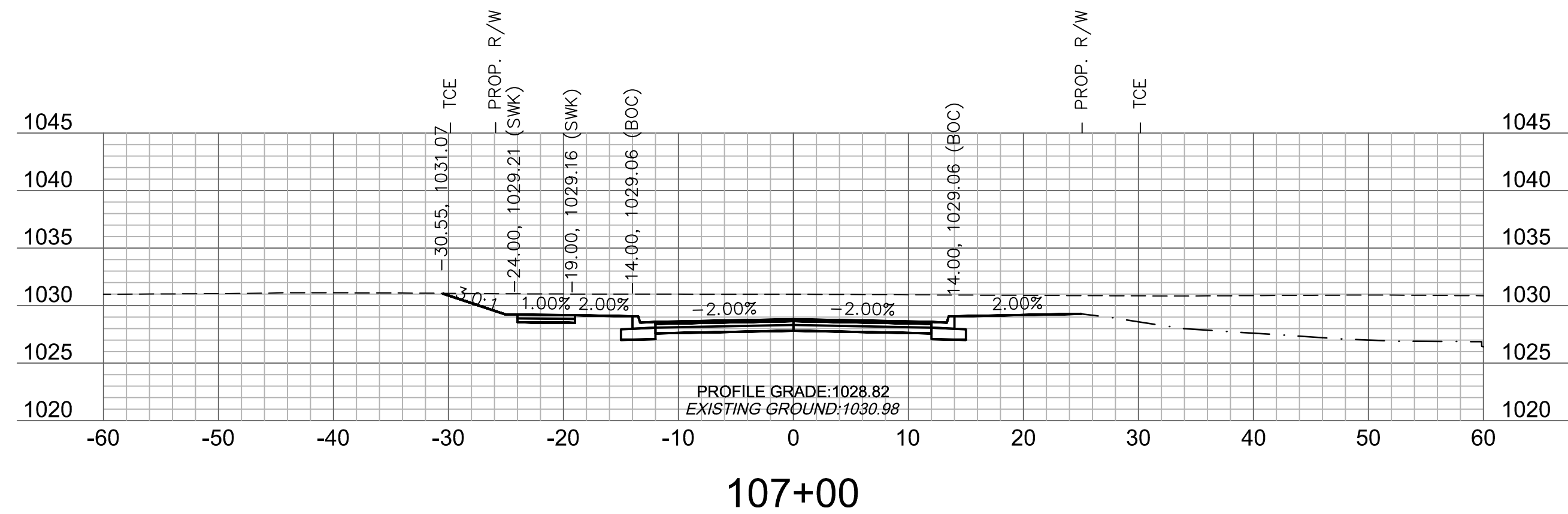
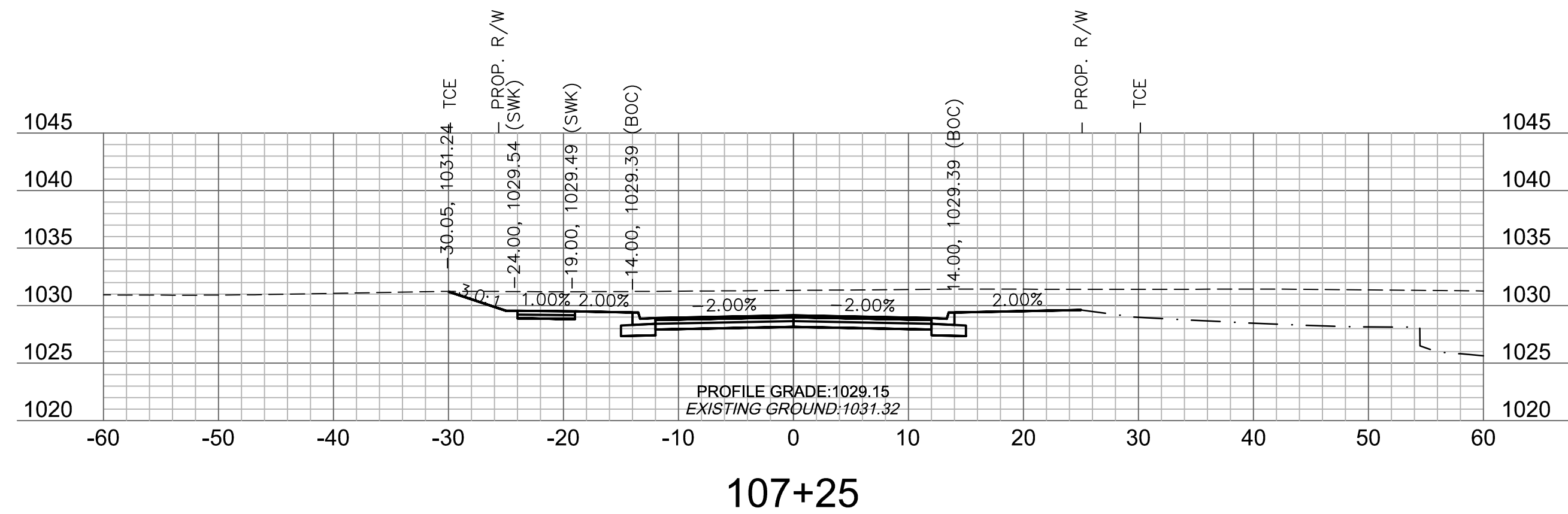
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PRINCETON DRIVE CROSS SECTIONS	
OREILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2019

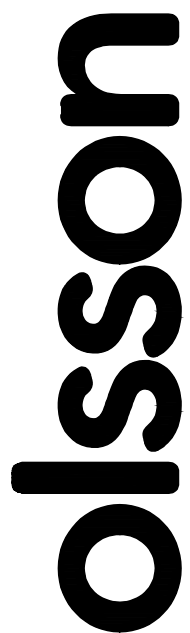
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DRAWN BY: AS
CHECKED BY: JKL
APPROVED BY: RBF
QA/QC BY: JKL/RBF
PROJECT NO.: 018-1450
DWG NO.: T_PCORR 81450
DATE: 07.19.19

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T49 OF 70

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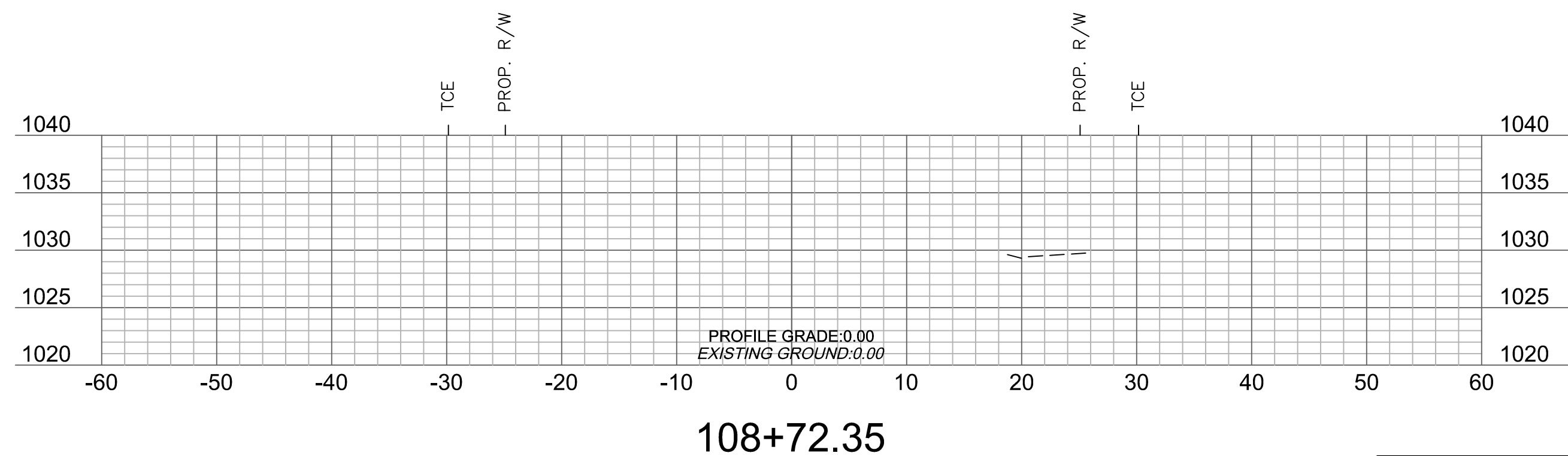
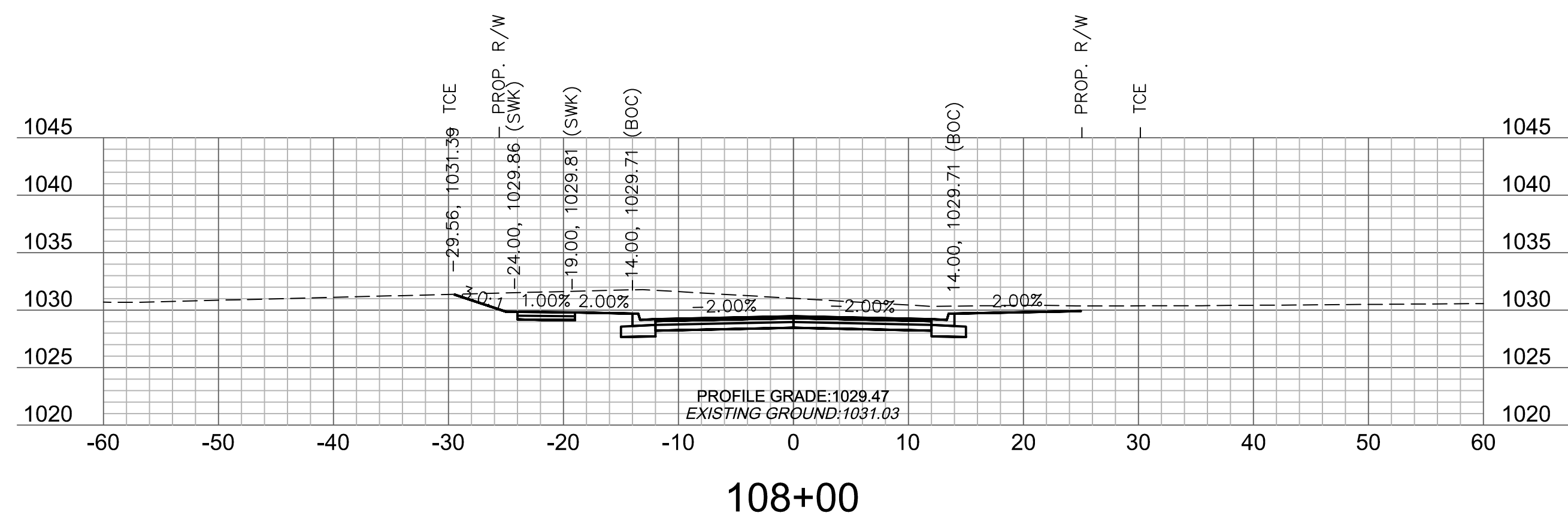
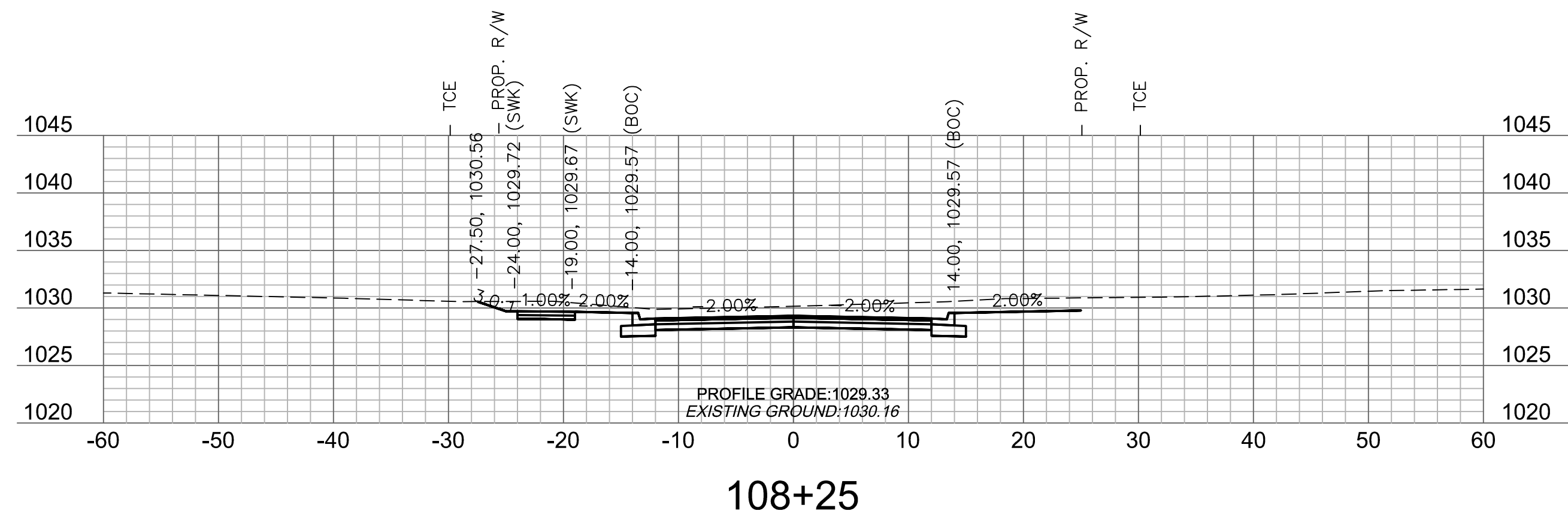
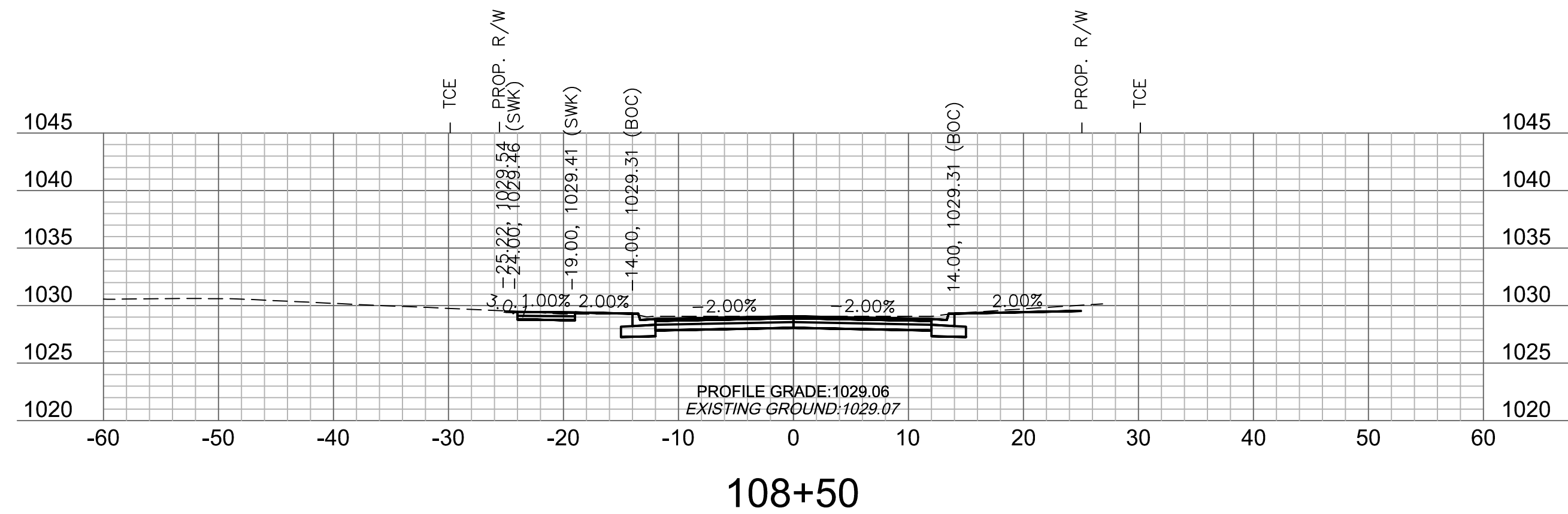
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PRINCETON DRIVE CROSS SECTIONS	
O'REILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2019

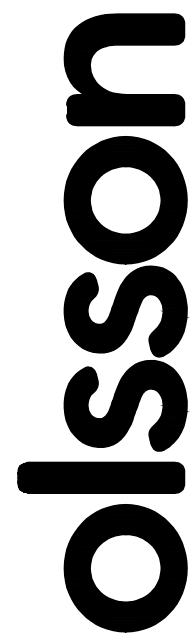
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PRINCETON DRIVE CROSS SECTIONS	
O'REILLY DEVELOPMENT SENIOR LIVING FACILITY OLDHAM PARKWAY & PRINCETON DRIVE IMPROVEMENTS	
LEE'S SUMMIT, MISSOURI	2019

C.O.A. NO.: 001592
DRAWN BY: AS
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