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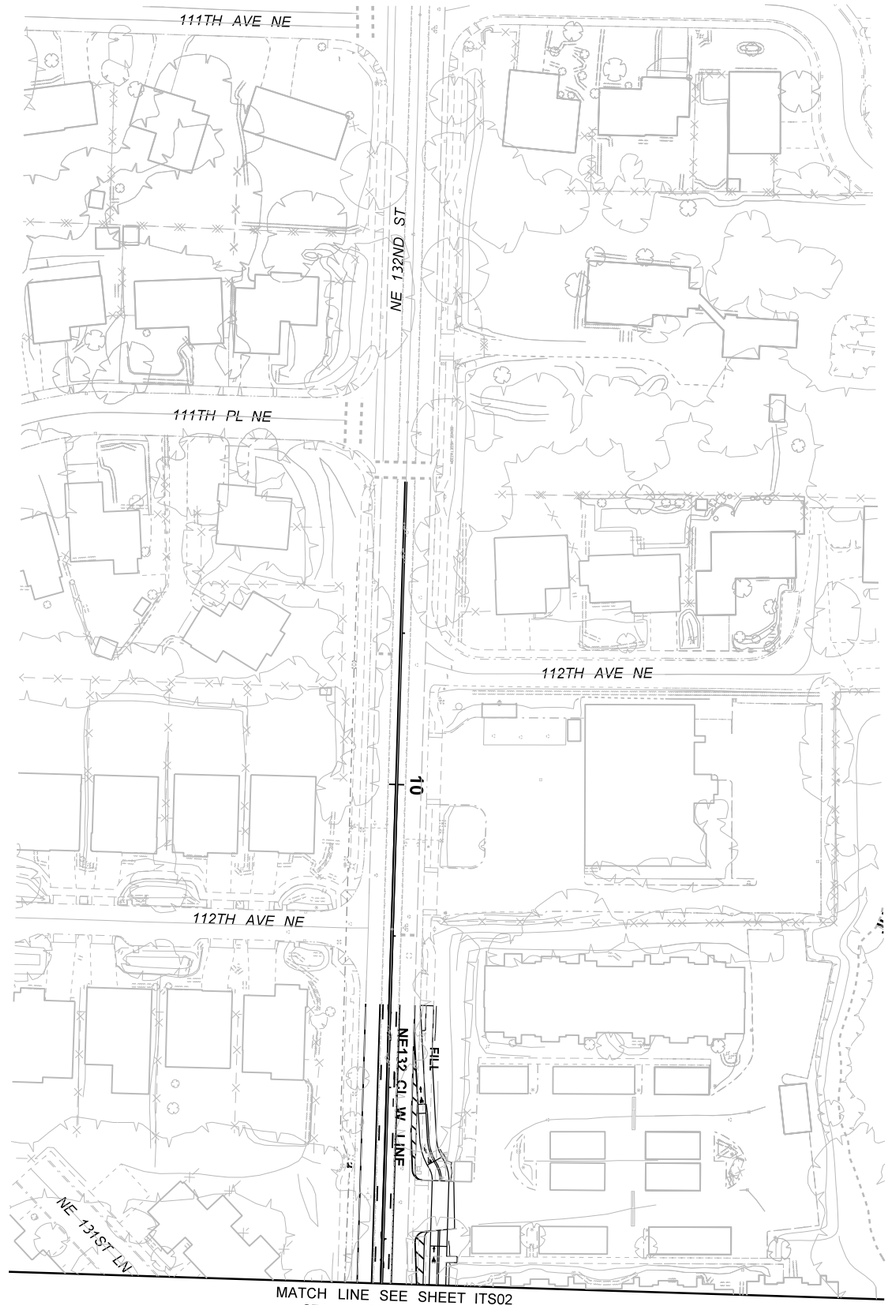

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ITS PLAN

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ITS01
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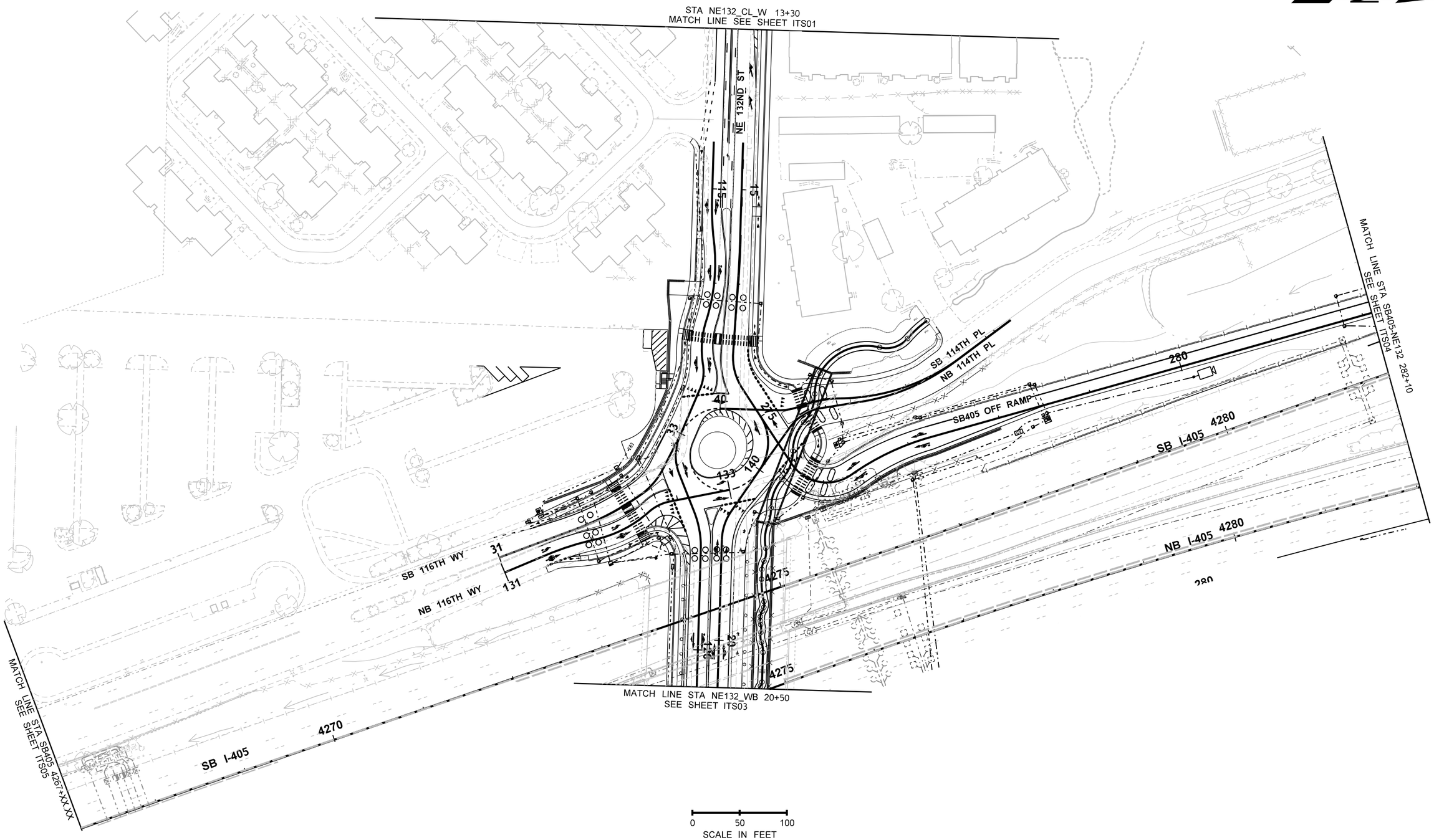

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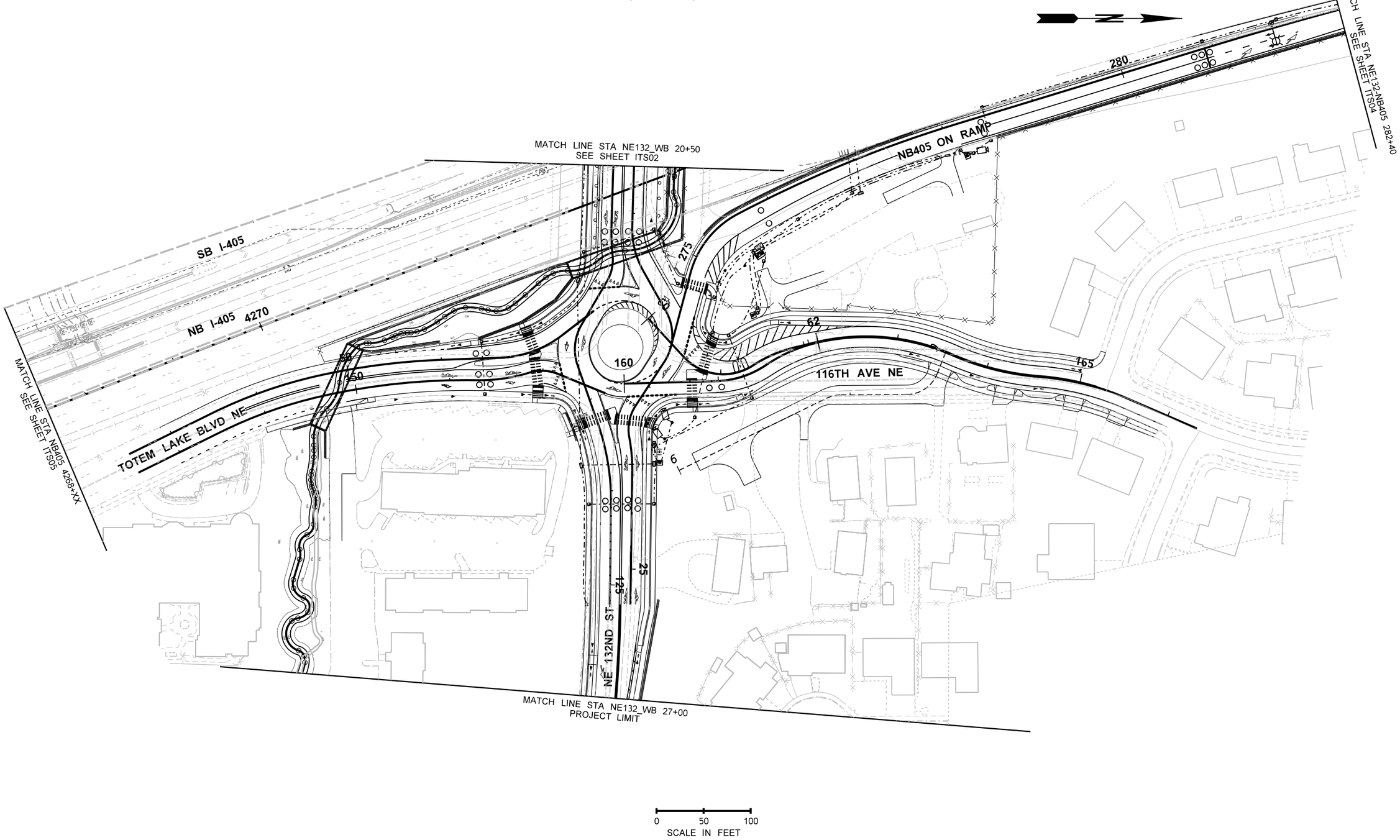

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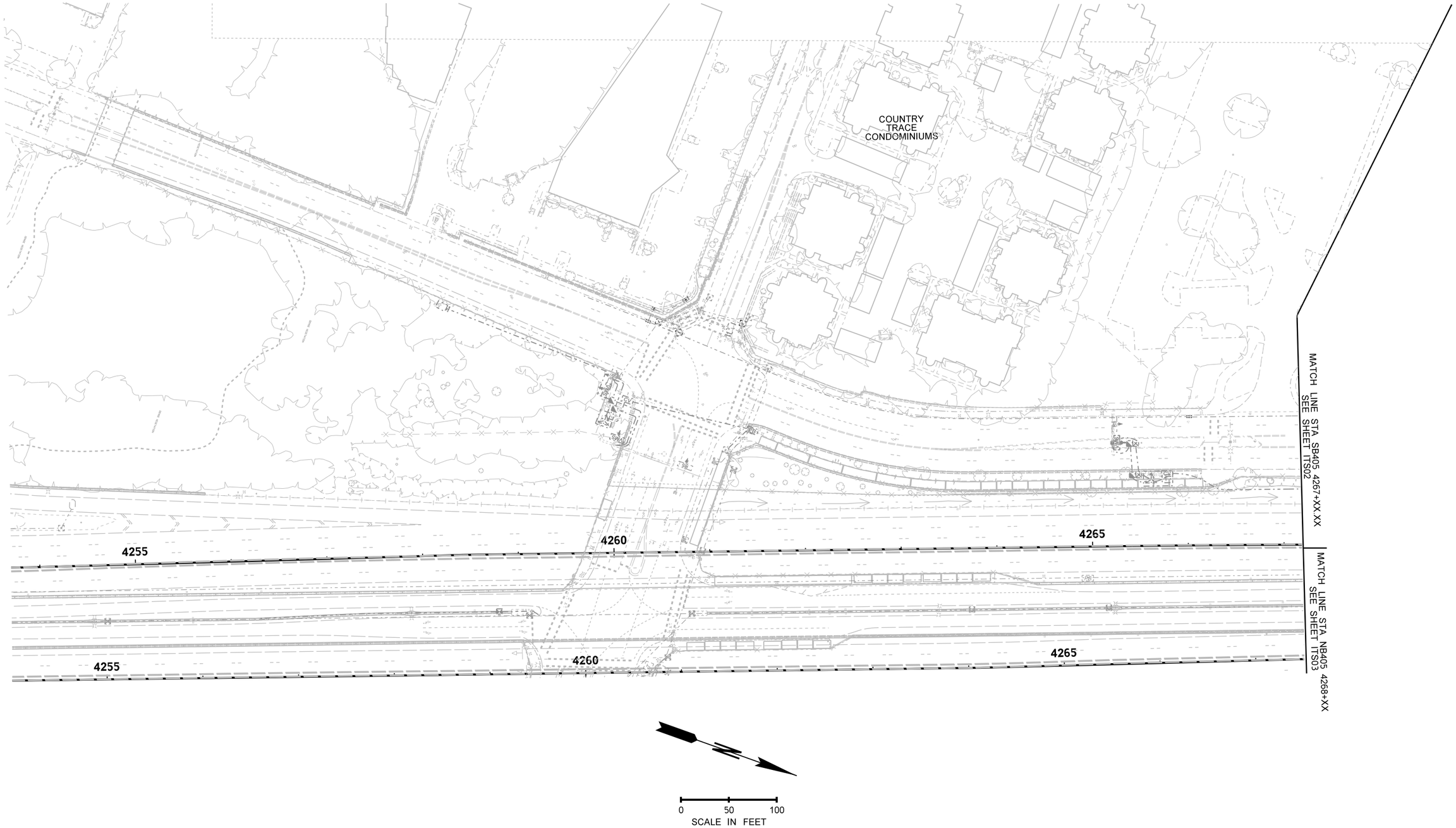

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NE 132ND STREET INTERCHANGE PROJECT

ITS DETAILS

PLAN REF NO
ITSD01

SHEET

OF

SHEETS

GENERAL NOTES:

1. ALL EXISTING JUNCTION BOXES, PULL BOXES, AND CABLE VAULTS REUSED IN THE PROPOSED ITS SYSTEM SHALL BE ADJUSTED TO MATCH FINAL GRADE AS REQUIRED.
2. EXISTING AND PROPOSED CONDUITS WITH NEW CONDUCTORS SHALL CONTAIN A GROUND WIRE SIZED TO THE LARGEST CIRCUIT (MINIMUM #8). SEE WSDOT STD PLAN J-60.05-00 FOR TYPICAL GROUNDING DETAILS. BORED FIBER CONDUIT(S) SHALL INCLUDE 1-#8 (LOCATE) AND A PULL STRING IN EACH CONDUIT. FOR TRENCHED FIBER CONDUITS, INSTALL LOCATE WIRE PER SHEET TSD76.
3. ALL REMOVED OR REPLACED ITS ITEMS INCLUDING CABINETS, POLES, CAMERAS, VMS, AND ASSOCIATED EQUIPMENT SHALL BE SALVAGED TO WSDOT NORTHWEST REGION SIGNAL AND ITS MAINTENANCE SUPERINTENDENT.
4. NEW CONDUITS SHALL MAINTAIN A 3 FT MINIMUM CLEARANCE FROM GUARDRAIL POSTS.
5. EXISTING JUNCTION BOXES AND CONDUIT SYSTEM SHALL BE REMOVED WHERE INDICATED ONLY AFTER A NEW COMMUNICATION OR POWER CONNECTION HAS BEEN RE-ESTABLISHED OR A REPLACEMENT SYSTEM IS CONSTRUCTED.
6. COORDINATE TEMPORARY SHUTDOWN OF ITS DEVICES WITH WSDOT.
7. ALL NEW ITS CABINETS AND POLES SHALL BE POWDER COATED COLOR "CASCADE GREEN".
8. NEW AND EXISTING CABLE VAULTS AND PULL BOXES WITHIN 100 FT OF ANY DRAINAGE DITCH, SWALE OR POND SHALL INCLUDE A 2" SCREENED DRAIN PIPE PER ITS DETAILS WHERE GRADING PERMITS.
9. A 3FT LEVEL WORK ZONE SHALL BE PROVIDED ON ALL SIDES OF NEW ITS AND TOLL CABINET INSTALLATIONS.
10. NEW CCTV CAMERA POLE FOUNDATIONS SHALL BE POTHOLED PRIOR TO INSTALLATION. NOTIFY CONFLICTS TO THE ENGINEER TO VERIFY FINAL LOCATION.
11. REMOVE ALL ABANDONED EXISTING LOOP STUBOUTS UPSWEEPS AT ADJACENT JUNCTION BOXES AS REQUIRED.
12. ALL LIDS FOR NEW JUNCTION BOXES, PULL BOXES, AND CABLE VAULTS INSTALLED WITHIN PEDESTRIAN PATHS SHALL HAVE A NON-SKID SURFACE AND FLUSH WITH FINAL GRADE/SURFACE.
13. CONTRACTOR SHALL COORDINATE WITHIN OTHER AGENCIES A MINIMUM OF TWO DAYS PRIOR TO WORKING WITHIN THEIR JURISDICTION.
14. IMPROVEMENTS AND PROJECT MODIFICATIONS WITHIN CITY JURISDICTION AREAS SHALL FOLLOW THE AGENCIES PERMIT(S) AND REQUIREMENTS.
15. SEE SIGNING PLANS FOR SIGN INSTALLATIONS, DETAILS, AND SPECIFICATIONS.

ABBREVIATIONS:

CCC	CAMERA CONTROL CABLE
COMM	COMMUNICATION
CCTV	CLOSED CIRCUIT TELEVISION
EX	EXISTING
GRS	GALVANIZED RIGID STEEL
HAR	HIGHWAY ADVISORY RADIO
MMFO	MULTI-MODE FIBER OPTIC
NTS	NOT TO SCALE
OCEF	OPTICAL CABLE ENTRANCE FACILITY
OSP	OUTSIDE PLANT
PR	PAIR
SH	SHIELDED
SMFO	SINGLE-MODE FIBER OPTIC
TV	TELVENT
TWP	TWISTED WIRE PAIR
VMS	VARIABLE MESSAGE SIGN

LEGEND

EXISTING	NEW	
		NEMA JUNCTION BOX
		TYPE 1 JUNCTION BOX
		TYPE 2 JUNCTION BOX
		TYPE 4 HEAVY DUTY JUNCTION BOX
		TYPE 5 HEAVY DUTY JUNCTION BOX
		TYPE 6 HEAVY DUTY JUNCTION BOX
		TYPE 8 JUNCTION BOX
	TA	25-TA SPLICE VAULT
	CV	ITS CABLE VAULT
	PB	ITS PULL BOX
		ELECTRICAL SERVICE CABINET
	T	TRANSFORMER CABINET
		CLOSED CIRCUIT TELEVISION (CCTV) CONTROLLER CABINET
		CONTROLLER CABINET (RAMP METER, DATA STATION, OR SIGNAL CABINET)
		TYPE R1 / R2 ROUND INDUCTION LOOP VEHICLE DETECTOR
		TYPE WR INDUCTION LOOP VEHICLE DETECTOR
		TYPE 2 INDUCTION LOOP VEHICLE DETECTOR
		CCTV CAMERA
		VARIABLE MESSAGE SIGN (VMS) AND TOLL RATE SIGN (RS) CONTROLLER CABINET
		HAR CONTROLLER CABINET
		HAR TRANSMITTER / WEATHER STATION
	HAR SIGN	HAR SIGN
		RAMP METER SIGNAL
VMS		OVERHEAD VMS
FTC		FIBER OPTIC TERMINAL CABINET
		CONDUIT AND WIRING
		ADVANCED WARNING SIGN

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ITS LEGEND & NOTES

PLAN REF NO ITSN01

SHEET OF SHEETS