BID SET:

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA 46036

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
T001	TITLE SHEET
G001	GENERAL NOTES
C100	WATER MAIN OVERALL PLAN VIEW
C101	WATER MAIN PLAN VIEW - DULEE DRIVE & BOULEVARD PLACE
C102	WATER MAIN PLAN VIEW - W.1100 N. & GLENVIEW DRIVE
C103	WATER MAIN PLAN VIEW - SOUTH N. STREET
C104	WATER MAIN PLAN VIEW - ALLEY & W. 1100 N.
C105	WATER MAIN PLAN VIEW - SWEETBRIAR DRIVE
C106	WATER MAIN PLAN VIEW - OAKLAND COURT & WILKIE COURT
C200	STANDARD CONSTRUCTION DETAILS
C201	STANDARD CONSTRUCTION DETAILS
C202	STANDARD CONSTRUCTION DETAILS
C203	INDOT CURB RAMP DETAILS
C300	EROSION CONTROL OVERALL PLAN VIEW
C301	EROSION CONTROL PLAN VIEW - DULEE DRIVE & BOULEVARD PLACE
C302	EROSION CONTROL PLAN VIEW - W.1100 N. & GLENVIEW DRIVE
C303	EROSION CONTROL PLAN VIEW - SOUTH N. STREET
C304	EROSION CONTROL PLAN VIEW - ALLEY & W. 1100 N.
C305	EROSION CONTROL PLAN VIEW - SWEETBRIAR DRIVE
C306	EROSION CONTROL PLAN VIEW - OAKLAND COURT & WILKIE COURT
C400	EROSION CONTROL DETAILS
C500	MAINTENANCE OF TRAFFIC DETAILS

REVISIONS		
REVISION NUMBER	REVISION DESCRIPTION	DATE

FLOOD NOTE:
THE ACCURACY OF ANY FLOOD HAZARD DATA SHOWN ON THESE PLANS IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP. THE WITHIN DESCRIBED TRACT OF LAND LIES WITHIN FLOOD HAZARD ZONE X AS SAID TRACT PLOTS BY SCALE ON COMMUNITY PANEL NUMBER 18095C0088D DATED 05/03/2011 FOR THE FLOOD INSURANCE RATE MAPS FOR MADISON COUNTY, INDIANA (UNINCORPORATED AREAS 180592).

Indiana811 — Know what's below. Call before you dig.

CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW IC8-1-26.
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

PLANS PREPARED FOR:

ELWOOD CITY UTILITIES
1505 S B STREET
ELWOOD, IN 46036
TELEPHONE: (765) 552-9844
CONTACT PERSON: GLEN MURRAY, SUPERINTENDENT
EMAIL: gmurray@elwood.in.gov

PLANS PREPARED BY:

DCCM
8770 NORTH STREET, SUITE 110
FISHERS, INDIANA 46038
TELEPHONE: (317) 588-1785
CONTACT PERSON: RICARDO PAREDES
EMAIL: rparedes@dccm.com

OPERATING AUTHORITIES

SANITARY SEWER
ELWOOD CITY UTILITIES
1130 S J STREET
ELWOOD, IN 46036
TELEPHONE: (765) 425-5756
CONTACT: JOSH GINDER
EMAIL: jginder@elwood.in.gov

ELECTRIC (TRANSMISSION)
AMERICAN ELECTRIC POWER
8600 SMITHS MILL ROAD
NEW ALBANY, OH 43054
TELEPHONE: (614) 933-2297
CONTACT: JOSHUA ADAMS
EMAIL: TLPublicProjects@aep.com

ELECTRIC (DISTRIBUTION)
AMERICAN ELECTRIC POWER
3514 LANTIN ROAD
NEW HAVEN, INDIANA 46774
CONTACT: TYLER HARMON
EMAIL: MU_PublicProjects@aep.com

GAS (DISTRIBUTION)
CENTERPOINT ENERGY
8399 ZIONSVILLE ROAD,
INDIANAPOLIS, IN 46268
TELEPHONE: (317) 776-5523
CONTACT: THOMAS OCHOA
EMAIL: thomas.ochoa@centerpointenergy.com

GAS (TRANSMISSION)
CENTERPOINT ENERGY
8399 ZIONSVILLE ROAD,
INDIANAPOLIS, IN 46268
TELEPHONE: (765) 287-2119
CONTACT: JON EASTHAM
EMAIL: publicproject@centerpointenergy.com

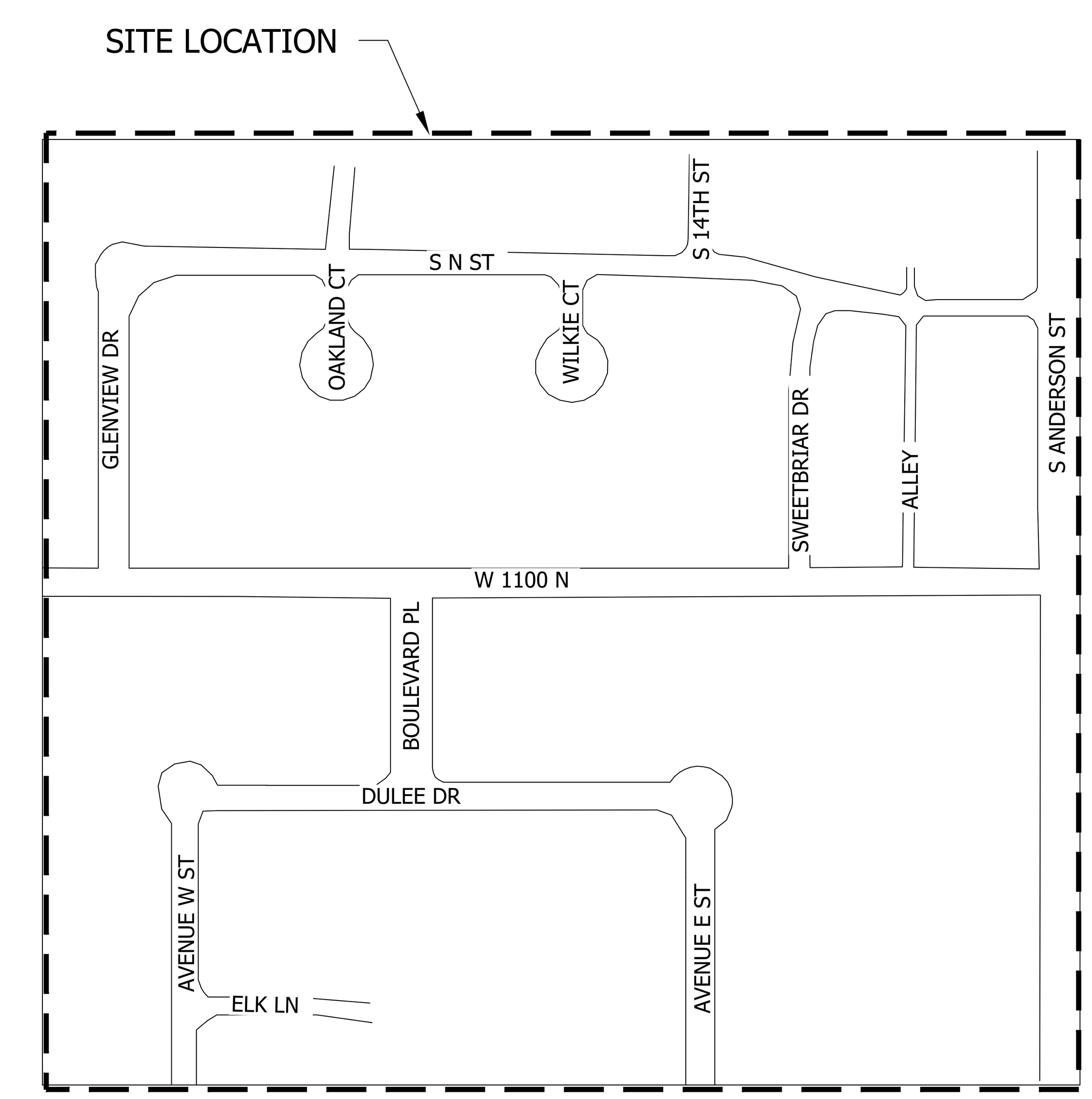
COMMUNICATIONS
AT&T INDIANA
116 E TAYLOR STREET
KOKOMO, IN 46901
CONTACT: DAVID SMITH
EMAIL: ds8383@att.com

CABLE
COMCAST CABLE (INDIANAPOLIS)
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
TELEPHONE: (224) 229-5863
CONTACT: RHONDA DALTON
EMAIL: rhondadalton@comcast.com

FIBER
METRO FIBERNET INC.
3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
CONTACT: LORI KEMPER
EMAIL: lori.kemper@metronet.com

WATER
ELWOOD CITY UTILITIES
1505 S B STREET
ELWOOD, IN 46036
TELEPHONE: (765) 552-9844
CONTACT: GLEN MURRAY
EMAIL: gmurray@elwood.in.gov

SITE VICINITY MAP
NOT TO SCALE



SITE LOCATION MAP
NOT TO SCALE

DCCM

BID SET
ELWOOD WATER SYSTEM IMPROVEMENTS
ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARONSOHN — REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

TITLE SHEET

T001

PRINT DATE: 2/11/26

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR THIS PROJECT. ADDITIONS, DELETIONS, AND/OR REVISIONS SHALL NOT BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER. KEEP AND MAINTAIN IN GOOD CONDITION A COMPLETE SET OF THE CONTRACT DOCUMENTS ON THE JOB SITE AT ALL TIMES.
2. ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES, ORDINANCES, RULES, REGULATIONS, ORDERS, AND OTHER LEGAL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
3. IN THE EVENT THAT THE CONTRACTOR DISCOVERS A DISCREPANCY IN THE CONTRACT DOCUMENTS OR POTENTIAL UTILITY CONFLICT, NOTIFY THE ENGINEER IMMEDIATELY FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE PORTION OF THE WORK IN QUESTION. FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. VERTICAL AND HORIZONTAL LOCATIONS TO BE CONFIRMED. ANY NECESSARY PIPE MODIFICATIONS SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL LOCAL NECESSARY PERMITS HAVE BEEN OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
5. ALL RIGHT-OF-WAY AND PROPERTY LINES AND EASEMENTS ARE APPARENT AND WERE DETERMINED BASED UPON AVAILABLE INFORMATION. VERIFY ALL RIGHT-OF-WAY AND PROPERTY LINES. STAKE ALL RIGHT-OF-WAY, PROPERTY, AND EASEMENT LINES THROUGHOUT THE DURATION OF CONSTRUCTION.
6. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROPERTY LINES AND RIGHT-OF-WAY SHALL BE STAKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
7. PROTECT ALL EXISTING UTILITIES FROM DAMAGE, IN A MANNER APPROVED BY THE UTILITY COMPANIES AND THE ENGINEER. COORDINATE WITH UTILITY COMPANIES AS NECESSARY TO COMPLETE THE WORK. PROTECT BENCH MARKS, SURVEY CONTROL POINTS, AND EXISTING STRUCTURES FROM UNNECESSARY DAMAGE OR DISPLACEMENT.
8. PROVIDE ALL AUTOMOBILE AND PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY FEDERAL, STATE, OR LOCAL AGENCIES. THE AMOUNT, LOCATION, AND SIZE SHALL BE AS REQUIRED IN ACCORDANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. DURING CONSTRUCTION IT MAY BE NECESSARY TO TRIM OR REMOVE A TREE WITHIN THE RIGHT-OF-WAY OR AN EASEMENT. NOTIFY THE ENGINEER, OWNER, AND ANY AFFECTED PROPERTY OWNER PRIOR TO ANY REQUIRED TREE REMOVAL. TREE TRIMMING AS REQUIRED WITHIN THE RIGHT-OF-WAY OR EASEMENT SHALL BE MINIMIZED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR TREE REMOVAL OR TRIMMING.
10. ALL DISTURBED AREAS, INCLUDING, BUT NOT LIMITED TO, STREETS, DRIVES, WALKS, LAWNS, FENCES, RETAINING WALLS, ETC. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL, AND ANY OTHER MATERIALS TRACKED ONTO ANY PUBLIC OR PRIVATE STREETS, PARKING LOTS, OR WALKS. THIS MATERIAL REMOVAL OR SWEEPING OF THE STREETS SHALL BE DONE AS FREQUENTLY AS NECESSARY TO MAINTAIN AREAS REASONABLY CLEAN. AIRBORNE DUST SHALL BE KEPT TO A MINIMUM BY USING WATER OR OTHER METHODS AS NECESSARY.
12. PROVIDE TEMPORARY GRASS SEED WITHIN 7-DAYS OF ALL EARTH DISTURBING ACTIVITIES.
13. PROVIDE AND MAINTAIN ALL NECESSARY STRAW BALES, FILTER FENCE, INLET PROTECTION ETC. IN EXISTING AND PROPOSED DITCHES, CULVERTS, STORM PIPES, AND DRAINAGE STRUCTURES TO PREVENT DAMAGE. BIO-DEGRADABLE EROSION CONTROL DEVICES SHOULD BE PLACED IN ALL DISTURBED DRAINAGE DITCHES WITH DEPTHS GREATER THAN 12".
14. REGRADE AREAS AS NECESSARY WITHIN THE CONSTRUCTION LIMITS TO ALLOW PROPER DRAINAGE TO EXISTING STORM SEWER STRUCTURES.
15. MAINTAIN 10'-0" HORIZONTAL AND 1'-6" VERTICAL SEPARATION FROM STORM AND SEWER MAIN, UNLESS SPECIFICALLY NOTED IN THE PLANS.
16. PROVIDE FILL AROUND PROPOSED AND EXISTING PIPING AT ALL OPEN-CUT UTILITY CROSSINGS TO ADEQUATELY SUPPORT AND PROTECT EACH CONDUIT.
17. PRESERVE EXISTING RIGHT-OF-WAY MARKERS. IF RIGHT-OF-WAY MARKERS ARE DISTURBED, RESET MARKERS AT NO ADDITIONAL COST TO THE OWNER.
18. UTILITIES SHOWN ON PLANS ARE ASSUMED, INCLUDING DEPTHS UNLESS NOTED OTHERWISE. CONTRACTOR TO CALL LOCAL UTILITY LINE INFORMATION SERVICE NOT LESS THAN THREE WORKING DAYS BEFORE PERFORMING WORK. REQUEST UNDERGROUND UTILITIES TO BE LOCATED AND MARKED WITHIN AND SURROUNDING CONSTRUCTION AREAS. IDENTIFY REQUIRED LINES, LEVELS, CONTOURS, AND DATUM LOCATIONS.
19. ESTABLISH TEMPORARY TRAFFIC CONTROL LAND DETOURS WHEN TRENCHING IS PERFORMED IN PUBLIC RIGHT-OF-WAY. RELOCATE CONTROLS AND REROUTE TRAFFIC AS REQUIRED DURING PROGRESS OF WORK.
20. DO NOT LEAVE MORE THAN 50 FEET OF TRENCH OPEN AT END OF WORKING DAY. PROTECT OPEN TRENCH TO PREVENT DANGER TO THE PUBLIC.
21. STOCKPILE EXCAVATED AND FILL MATERIALS ON SITE AT LOCATIONS APPROVED BY OWNER. STOCKPILE IN SUFFICIENT QUANTITIES TO MEET PROJECT SCHEDULE AND REQUIREMENTS. SEPARATE DIFFERENT AGGREGATE MATERIALS WITH DIVIDERS OR STOCKPILE QUANTITIES TO MEET PROJECT SCHEDULE AND REQUIREMENTS, SEPARATE DIFFERENT AGGREGATE MATERIALS WITH DIVIDERS OR STOCKPILE INDIVIDUALLY TO PREVENT MIXING. DIRECT SURFACE WATER AWAY FROM STOCKPILE SITE TO PREVENT EROSION OR DETERIORATION OF MATERIALS. STOCKPILE CLEANUP: REMOVE STOCKPILE, AND LEAVE AREA IN CLEAN AND NEAT CONDITION. GRADE SITE SURFACE TO PREVENT FREE STANDING SURFACE WATER.
22. FINAL CONTOURS: PERFORM FINISH GRADING AND BLEND TO CONFORM WITH REMAINING NATURAL GROUND SURFACES. LEAVE ALL FINISHED GRADING SURFACES SMOOTH AND FIRM TO DRAIN. FINISH GRADES TO ELEVATIONS WITHIN PLUS OR MINUS 0.10 FOOT OF EXISTING OR CONTOUR SHOWN.
23. ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT STACKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
24. ALL CONNECTIONS TO EXISTING MAIN SHOULD BE MADE VIA WET TAP WHEREVER POSSIBLE. CONTRACTOR TO COORDINATE ISOLATION AND CONNECTIONS WITH CITY.
25. REPLACED MAIN IS TO BE CAPPED AND ABANDONED IN PLACE. FLOWABLE FILL SHALL BE USED IN ABANDONED MAIN UNDER CROSSINGS OF STATE ROAD OR UNLESS NOTED OTHERWISE.

LINETYPES

- EXISTING RIGHT-OF-WAY
- PROPERTY LINE
- EXISTING EDGE OF CONCRETE
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE LINE
- ST — EXISTING STORM SEWER
- E — EXISTING ELECTRIC LINE
- OHE — EXISTING OVERHEAD ELECTRIC LINE
- FO — EXISTING FIBER OPTIC LINE
- SAN — EXISTING SANITARY SEWER
- W — EXISTING WATER LINE
- W — EXISTING WATER - ABANDONED
- G — EXISTING GAS LINE
- W — PROPOSED WATER PIPING

SYMBOLS

MON	SURVEY MONUMENT	GV	EXISTING GAS VALVE
	EXISTING ELECTRICAL POWER POLE	SS	EXISTING SANITARY MANHOLE
	EXISTING POWER POLE GUY WIRE	MH	EXISTING STORM MANHOLE
	EXISTING FLAG POLE	CB	EXISTING STORM CATCH BASIN
H	EXISTING TRAFFIC MANHOLE		EXISTING TREES
	EXISTING LIGHT POLE		EXISTING SHRUB
T	EXISTING TELECOM HAND HOLE		EXCAVATION PIT EXTENTS
T	EXISTING TELECOM PEDESTAL		PROPOSED FIRE HYDRANT
WM	EXISTING WATER METER		PROPOSED WATER MAIN TEE
WV	EXISTING WATER VALVE		PROPOSED WATER MAIN BENDS
W	EXISTING WATER HAND HOLE		PROPOSED GATE VALVE
	EXISTING FIRE HYDRANT		PROPOSED WATER MAIN CAP
G	EXISTING GAS METER		

ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	FCO	FLOOR CLEANOUT
ATR	ALL THREAD ROD	GV	GATE VALVE
AS	AQUASTAT	GLV	GLOBE VALVE
AAV	AIR ADMITTANCE VALVE	HSP	HIGH SERVICE PUMP
AC	AIR COMPRESSOR	HB	HOSE BIBB
ARV	AIR RELEASE VALVE	HWRP	HOT WATER RETURN PUMP
AP	ACCESS PANEL	MV	MANUAL AIR VENT
AD	AREA DRAIN	M	MOTOR - OPERATED VALVE
AV	ANGLE VALVE	ORD	OVERFLOW ROOF DRAIN
AUV	AUTOMATIC AIR VALVE	PTU	PACKAGED TREATMENT UNIT
BV	BALL VALVE	PV	PLUG VALVE
BFV	BUTTERFLY VALVE	PA	PIPE ANCHOR
BFPA	BACKFLOW PREVENTER ASSEMBLY	PG	PIPE GUIDE
BS	BASKET STRAINER	PS	PIPE SLEEVE
CTLV	CONTROL VALVE, 2-WAY	PRV	PRESSURE RELIEF VALVE
CV	CHECK VALVE	PIV	POST INDICATOR VALVE
CR	CONCENTRIC REDUCER/ INCREASER	PRG	PRESSURE GAUGE WITH GAUGE COOK
DU	DIELECTRIC UNION	PRS	PRESSURE SWITCH
DBL	DOUBLE	ROW	RIGHT-OF-WAY
ECO	EXTERIOR CLEANOUT	RD	ROOF DRAIN
EL	EXPANSION LOOP	SV	SOLENOID VALVE
EC	ECCENTRIC REDUCER/ INCREASER	TPV	TEMPERATURE PRESSURE RELIEF VALVE
EJ	EXPANSION JOINT	T	THERMOMETER
FFE	FINISHED FLOOR ELEVATION	U	UNION
F	FLANGE	WCO	WALL CLEANOUT
FS	FLOW SWITCH	WHA	WATER HAMMER ARRESTOR
FM	FLOW METER	WS	WYE STRANNER
FC	FLEXIBLE CONNECTOR	WH	WALL HYDRANT
FD	FLOOR DRAIN	YB	YARD BOX

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313

Designed By: CLC/RJPA

Drawn By: RLH

Checked By: ALC

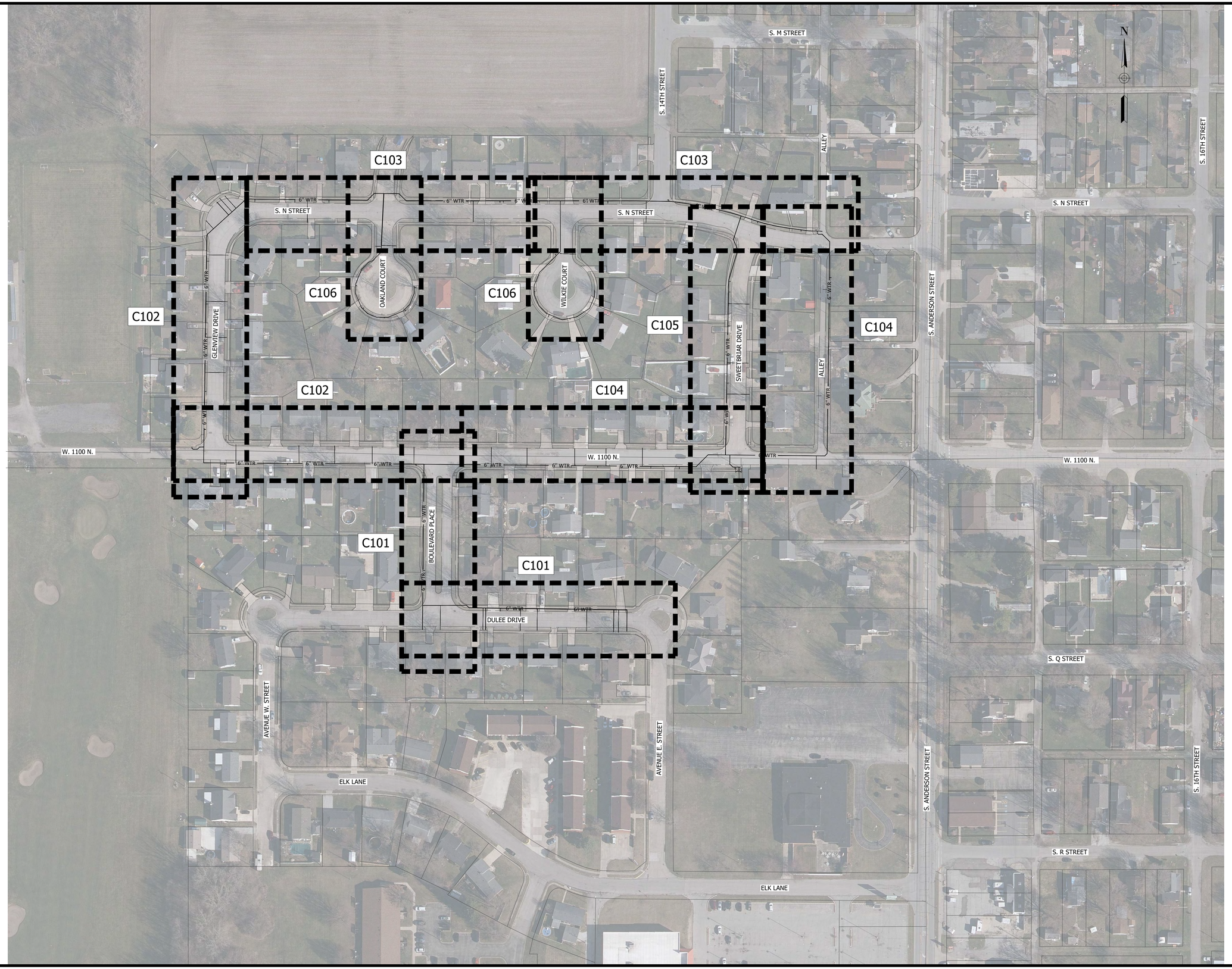
Date: 01/30/2026

RICARDO JUAN PAREDES ARDON REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

GENERAL NOTES

G001

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 1/30/26 - 5:04 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 3 GENERAL NOTES.DWG



PRINT DATE: 2/11/26
PLOT SCALE: 1:386.91 EDIT DATE: 2/11/26 - 10:01 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 3 WATER MAIN PLAN VIEW.DWG

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

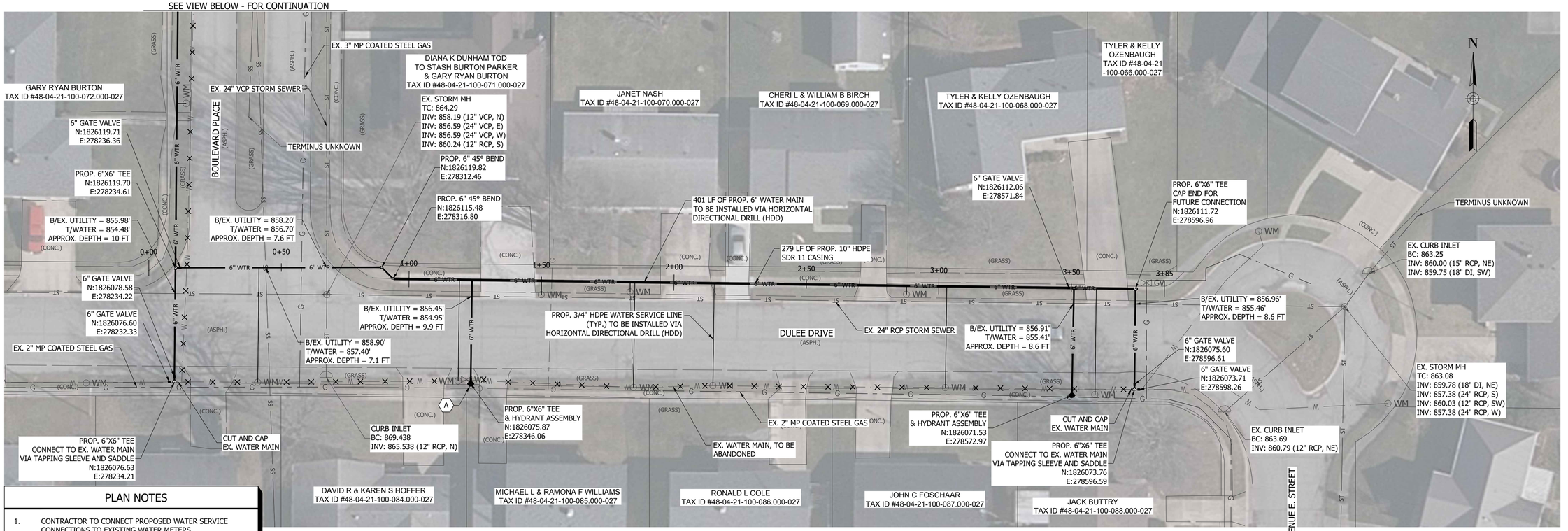
RICARDO JUAN PAREDES ARANGUREN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

80' 0 80' 160'
GRAPHIC SCALE

WATER MAIN OVERALL PLAN VIEW

C100

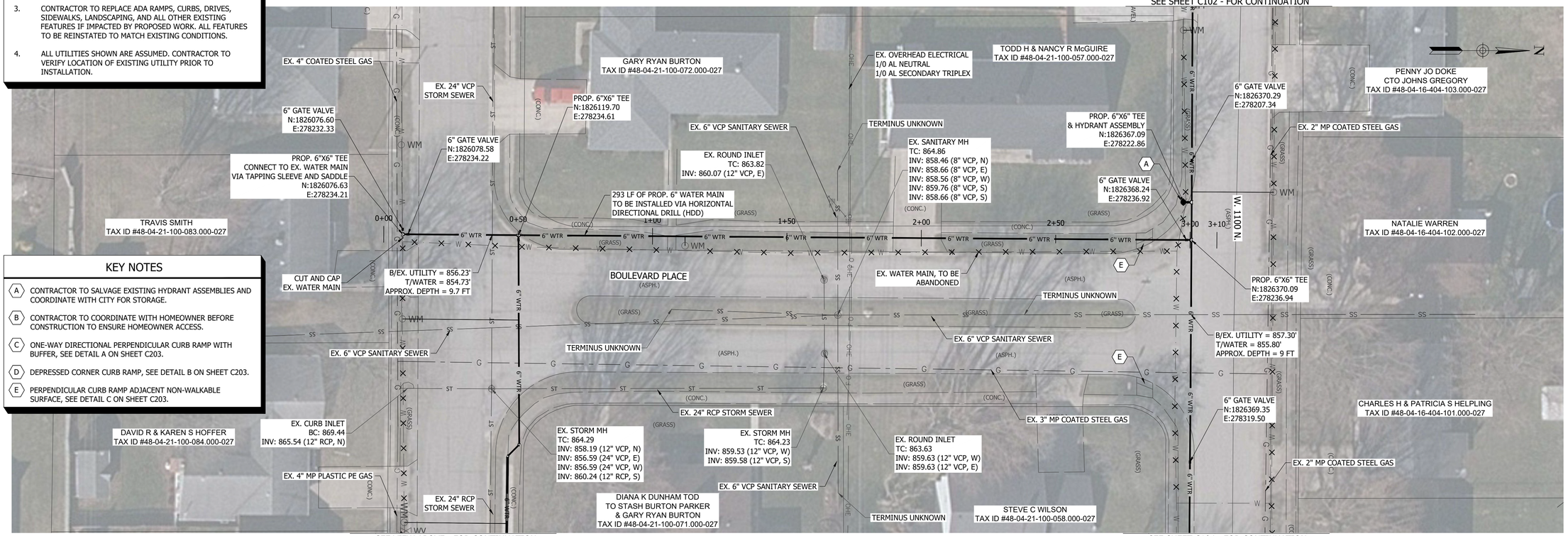
SEE VIEW BELOW - FOR CONTINUATION



PLAN NOTES

1. CONTRACTOR TO CONNECT PROPOSED WATER SERVICE CONNECTIONS TO EXISTING WATER METERS.
2. CONTRACTOR TO KEEP OPEN ONE LANE OF TRAFFIC OPEN DURING WORK HOURS, AND BOTH LANES OPEN AFTER CONCLUSION OF WORK DAY.
3. CONTRACTOR TO REPLACE ADA RAMPS, CURBS, DRIVES, SIDEWALKS, LANDSCAPING, AND ALL OTHER EXISTING FEATURES IF IMPACTED BY PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
4. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION.

SEE SHEET C102 - FOR CONTINUATION



KEY NOTES

- (A) CONTRACTOR TO SALVAGE EXISTING HYDRANT ASSEMBLIES AND COORDINATE WITH CITY FOR STORAGE.
- (B) CONTRACTOR TO COORDINATE WITH HOMEOWNER BEFORE CONSTRUCTION TO ENSURE HOMEOWNER ACCESS.
- (C) ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER, SEE DETAIL A ON SHEET C203.
- (D) DEPRESSED CORNER CURB RAMP, SEE DETAIL B ON SHEET C203.
- (E) PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE, SEE DETAIL C ON SHEET C203.

SEE VIEW ABOVE - FOR CONTINUATION

SEE SHEET C104 - FOR CONTINUATION

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

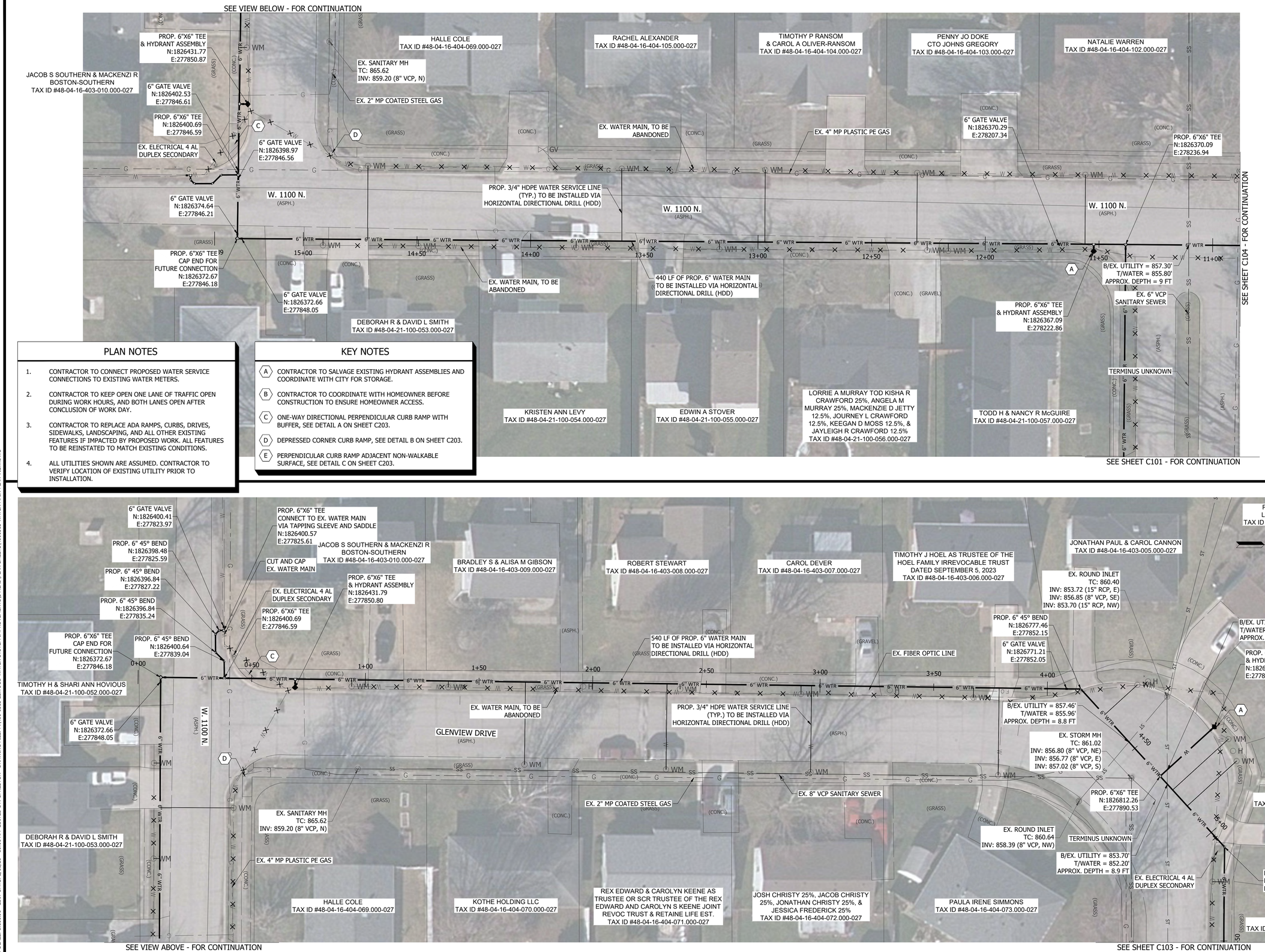
COLORADO JUAN PAREDES ANDRADE
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

WATER MAIN PLAN VIEW - DULEE DRIVE & BOULEVARD PLACE

C101

PRINT DATE: 2/12/26
PLOT SCALE: 1:186.91 EDIT DATE: 2/12/26 - 10:35 AM EDITED BY: CCHARLSON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 WATER MAIN PLAN VIEW.DWG



PLAN NOTES

1. CONTRACTOR TO CONNECT PROPOSED WATER SERVICE CONNECTIONS TO EXISTING WATER METERS.
2. CONTRACTOR TO KEEP OPEN ONE LANE OF TRAFFIC OPEN DURING WORK HOURS, AND BOTH LANES OPEN AFTER CONCLUSION OF WORK DAY.
3. CONTRACTOR TO REPLACE ADA RAMPS, CURBS, DRIVES, SIDEWALKS, LANDSCAPING, AND ALL OTHER EXISTING FEATURES IF IMPACTED BY PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
4. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION.

KEY NOTES

- (A) CONTRACTOR TO SALVAGE EXISTING HYDRANT ASSEMBLIES AND COORDINATE WITH CITY FOR STORAGE.
- (B) CONTRACTOR TO COORDINATE WITH HOMEOWNER BEFORE CONSTRUCTION TO ENSURE HOMEOWNER ACCESS.
- (C) ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER, SEE DETAIL A ON SHEET C203.
- (D) DEPRESSED CORNER CURB RAMP, SEE DETAIL B ON SHEET C203.
- (E) PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE, SEE DETAIL C ON SHEET C203.

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

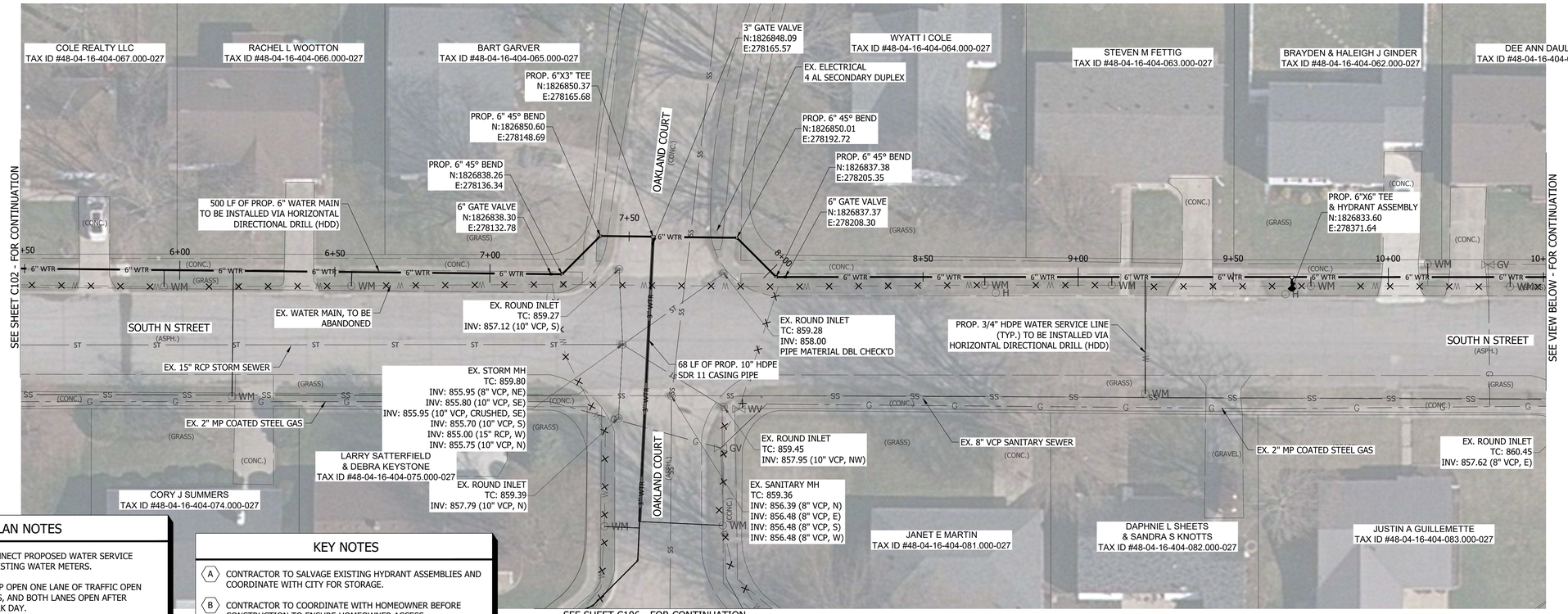
Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

20' 0 20' 40'
GRAPHIC SCALE

WATER MAIN PLAN VIEW - W.1100 N. & GLENVIEW DRIVE

C102

PRINT DATE: 2/11/26
PLOT SCALE: 1:186.91 EDIT DATE: 2/11/26 - 10:01 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400-6313 WATER MAIN PLAN VIEW.DWG

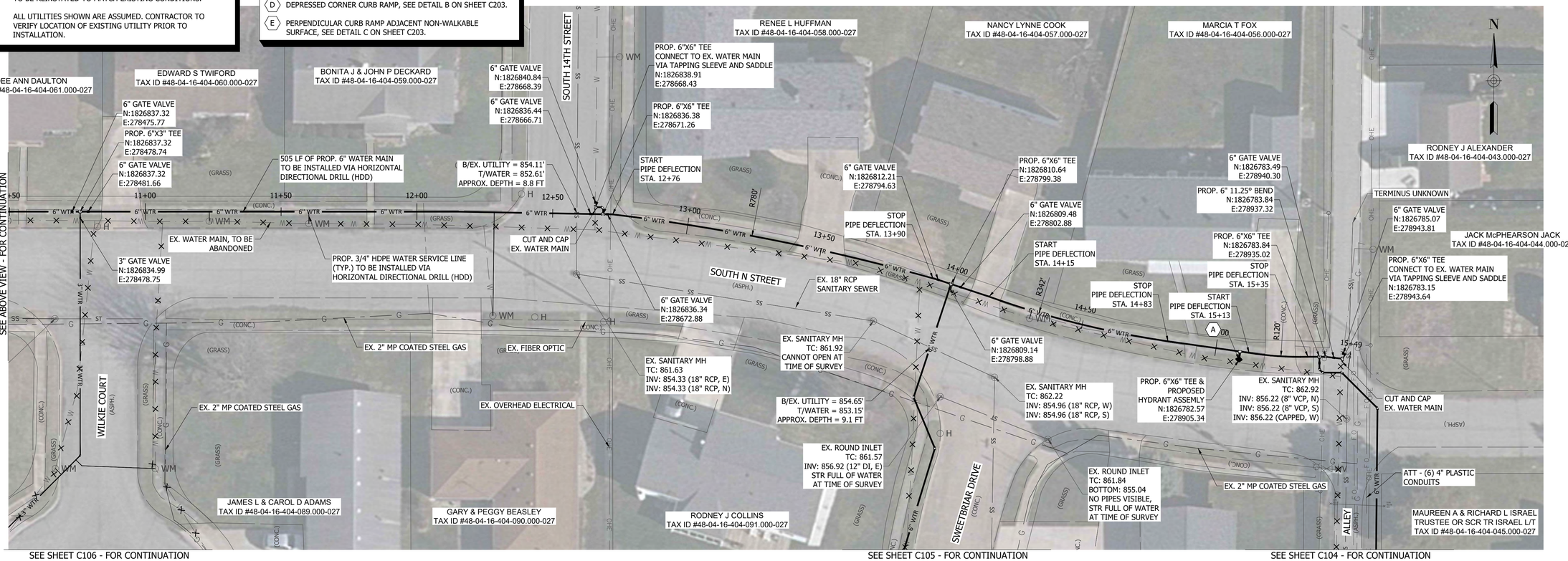


PLAN NOTES

1. CONTRACTOR TO CONNECT PROPOSED WATER SERVICE CONNECTIONS TO EXISTING WATER METERS.
2. CONTRACTOR TO KEEP OPEN ONE LANE OF TRAFFIC OPEN DURING WORK HOURS, AND BOTH LANES OPEN AFTER CONCLUSION OF WORK DAY.
3. CONTRACTOR TO REPLACE ADA RAMPS, CURBS, DRIVES, SIDEWALKS, LANDSCAPING, AND ALL OTHER EXISTING FEATURES IF IMPACTED BY PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
4. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION.

KEY NOTES

- (A) CONTRACTOR TO SALVAGE EXISTING HYDRANT ASSEMBLIES AND COORDINATE WITH CITY FOR STORAGE.
- (B) CONTRACTOR TO COORDINATE WITH HOMEOWNER BEFORE CONSTRUCTION TO ENSURE HOMEOWNER ACCESS.
- (C) ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER, SEE DETAIL A ON SHEET C203.
- (D) DEPRESSED CORNER CURB RAMP, SEE DETAIL B ON SHEET C203.
- (E) PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE, SEE DETAIL C ON SHEET C203.



DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

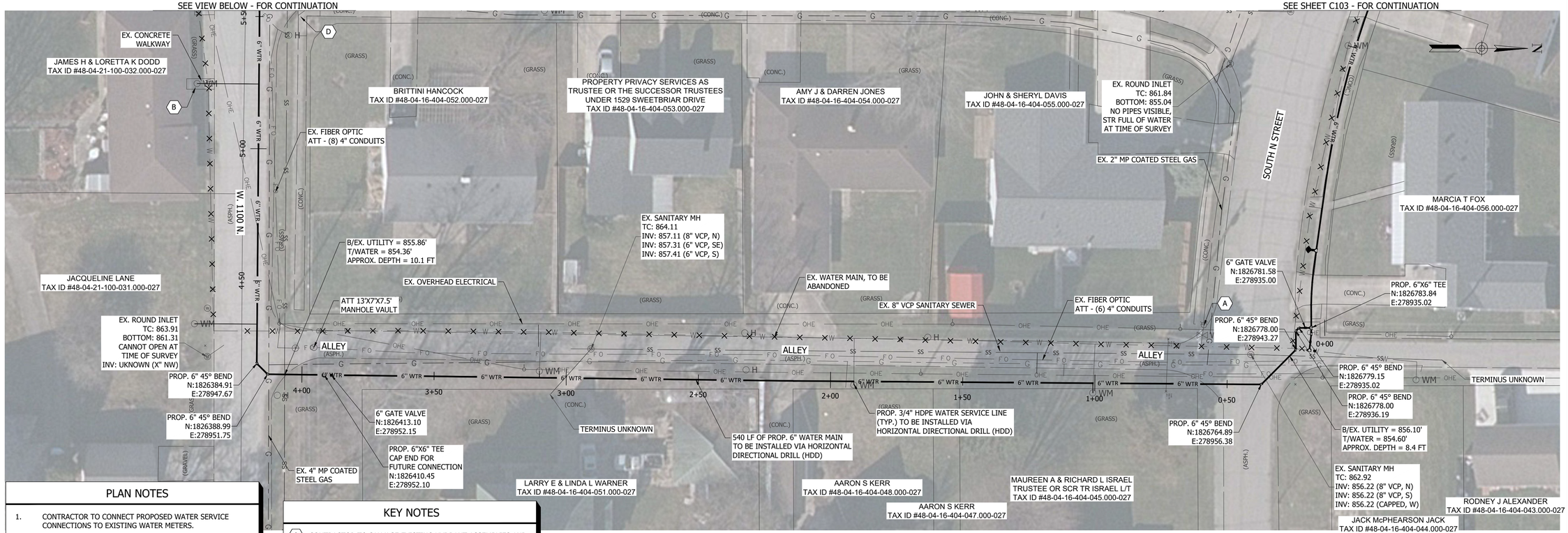
RICARDO JUAN PAREDES MADDEN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

WATER MAIN PLAN VIEW - SOUTH N. STREET

C103

PRINT DATE: 2/11/26
PLOT SCALE: 1:186.91 EDIT DATE: 2/11/26 - 10:01 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400-6313 WATER MAIN PLAN VIEW.DWG

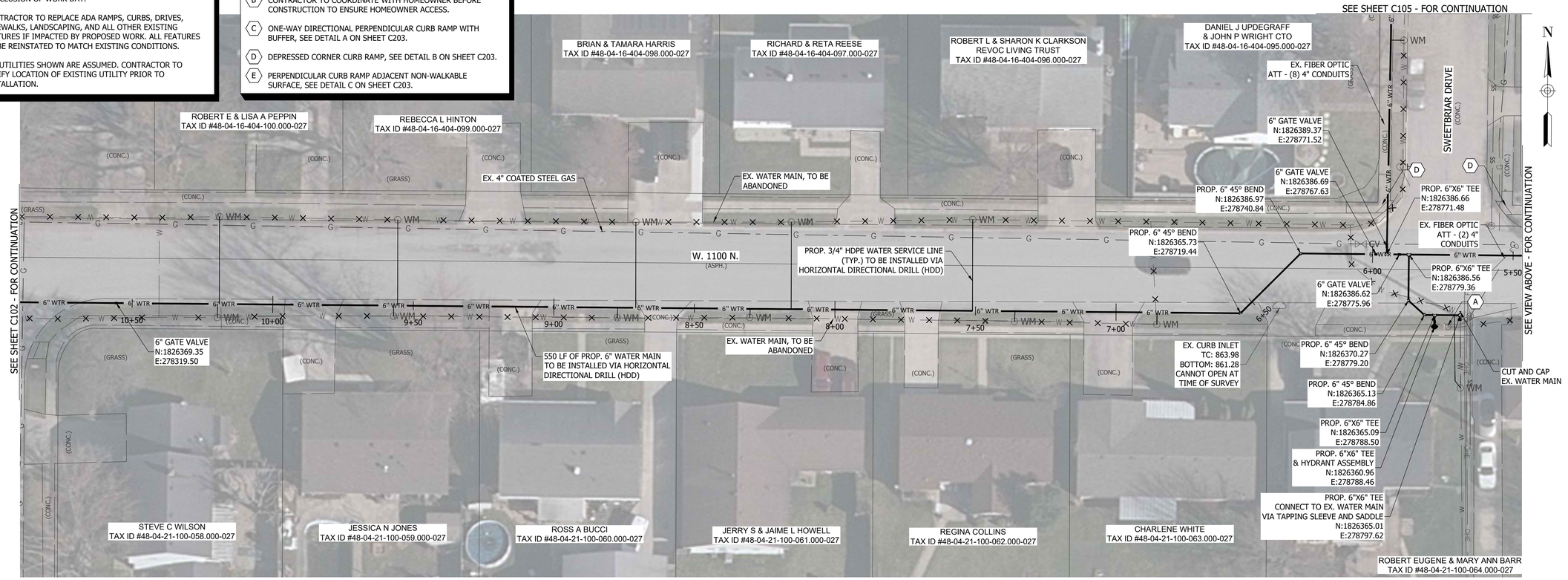


PLAN NOTES

1. CONTRACTOR TO CONNECT PROPOSED WATER SERVICE CONNECTIONS TO EXISTING WATER METERS.
2. CONTRACTOR TO KEEP OPEN ONE LANE OF TRAFFIC OPEN DURING WORK HOURS, AND BOTH LANES OPEN AFTER CONCLUSION OF WORK DAY.
3. CONTRACTOR TO REPLACE ADA RAMPS, CURBS, DRIVES, SIDEWALKS, LANDSCAPING, AND ALL OTHER EXISTING FEATURES IF IMPACTED BY PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
4. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION.

KEY NOTES

- (A) CONTRACTOR TO SALVAGE EXISTING HYDRANT ASSEMBLIES AND COORDINATE WITH CITY FOR STORAGE.
- (B) CONTRACTOR TO COORDINATE WITH HOMEOWNER BEFORE CONSTRUCTION TO ENSURE HOMEOWNER ACCESS.
- (C) ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER, SEE DETAIL A ON SHEET C203.
- (D) DEPRESSED CORNER CURB RAMP, SEE DETAIL B ON SHEET C203.
- (E) PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE, SEE DETAIL C ON SHEET C203.



DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

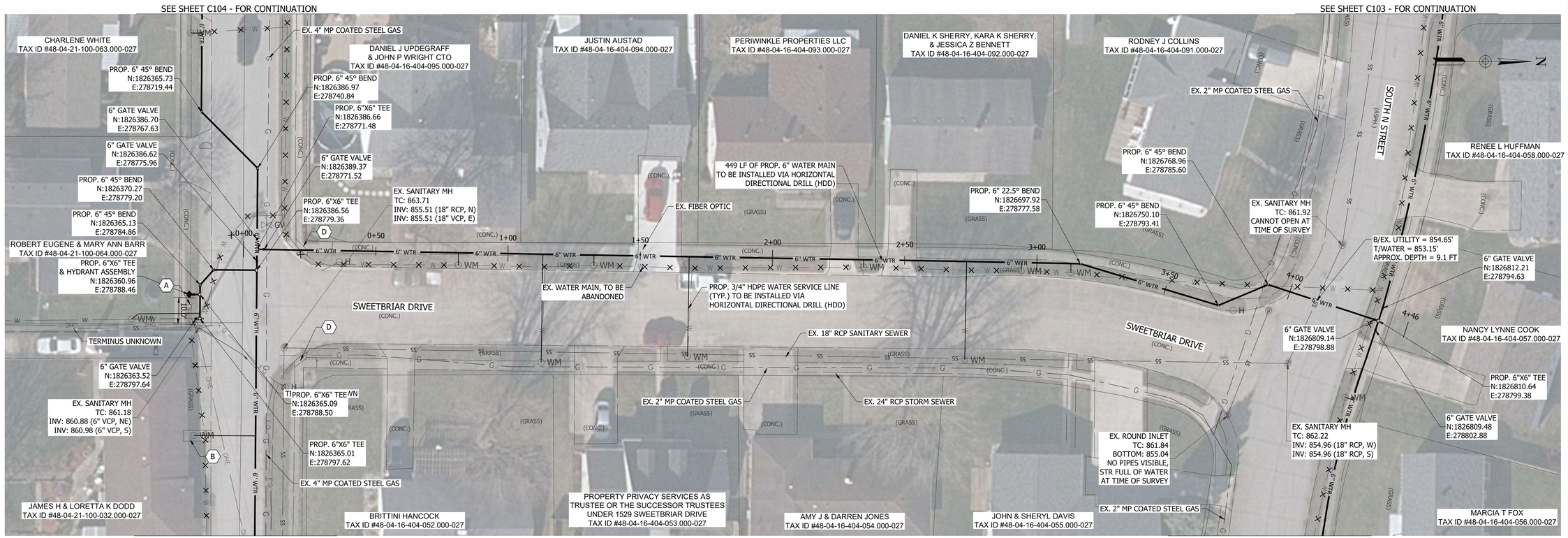
RICARDO JUAN PAREDES ARANSAY
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

WATER MAIN PLAN VIEW - ALLEY & W. 1100 N.

C104

PRINT DATE: 2/12/26
PLOT SCALE: 1:186.91
EDIT DATE: 2/12/26 - 10:35 AM EDITED BY: CCHARLSON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\4006313 WATER MAIN PLAN VIEW.DWG



PLAN NOTES

1. CONTRACTOR TO CONNECT PROPOSED WATER SERVICE CONNECTIONS TO EXISTING WATER METERS.
2. CONTRACTOR TO KEEP OPEN ONE LANE OF TRAFFIC OPEN DURING WORK HOURS, AND BOTH LANES OPEN AFTER CONCLUSION OF WORK DAY.
3. CONTRACTOR TO REPLACE ADA RAMPS, CURBS, DRIVES, SIDEWALKS, LANDSCAPING, AND ALL OTHER EXISTING FEATURES IF IMPACTED BY PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
4. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION.

KEY NOTES

- (A) CONTRACTOR TO SALVAGE EXISTING HYDRANT ASSEMBLIES AND COORDINATE WITH CITY FOR STORAGE.
- (B) CONTRACTOR TO COORDINATE WITH HOMEOWNER BEFORE CONSTRUCTION TO ENSURE HOMEOWNER ACCESS.
- (C) ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER, SEE DETAIL A ON SHEET C203.
- (D) DEPRESSED CORNER CURB RAMP, SEE DETAIL B ON SHEET C203.
- (E) PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE, SEE DETAIL C ON SHEET C203.

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

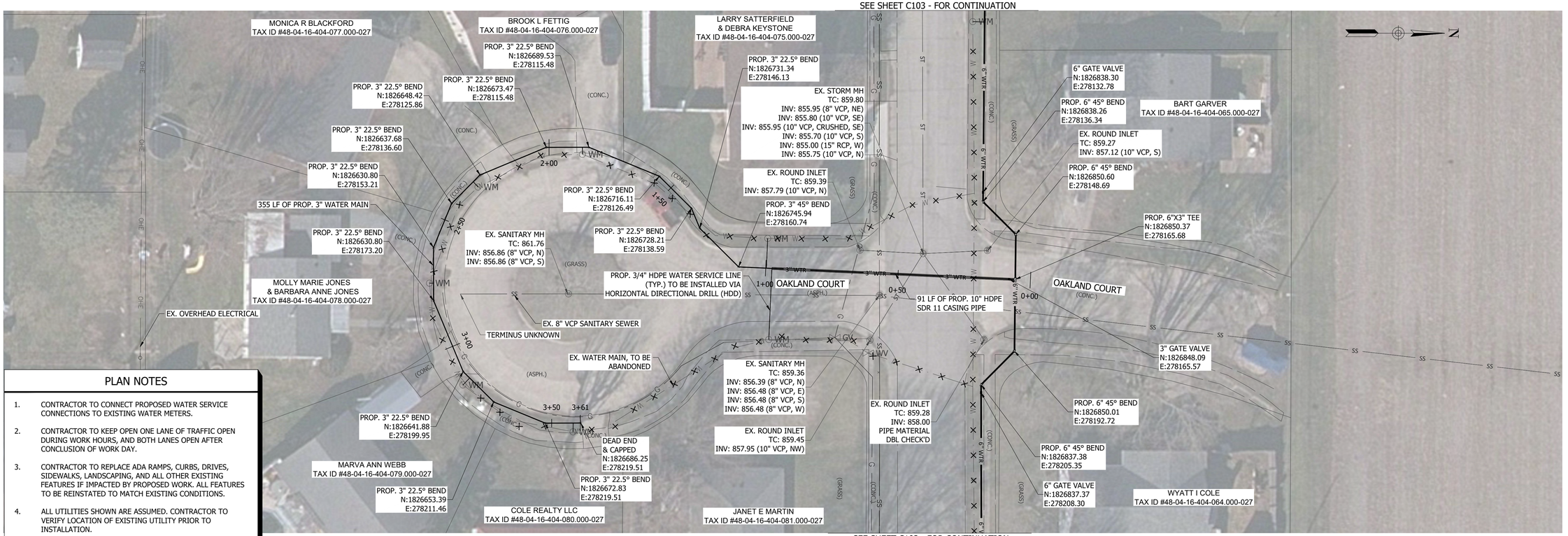
RICARDO JUAN PAREDES ANDRADE
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

WATER MAIN PLAN VIEW - SWEETBRIAR DRIVE

C105

PRINT DATE: 2/11/26
PLOT SCALE: 1:186.91 EDIT DATE: 2/11/26 - 10:01 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\6 ACAD\PLAN SHEETS\400631 3 WATER MAIN PLAN VIEW.DWG

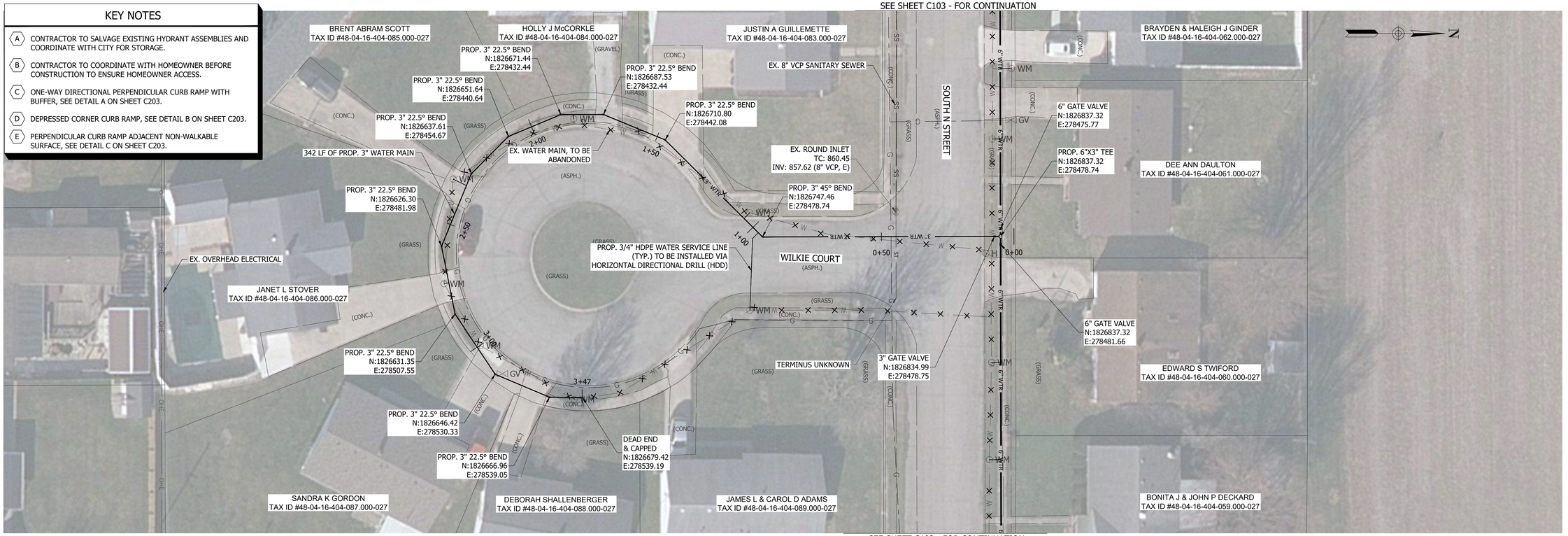


PLAN NOTES

1. CONTRACTOR TO CONNECT PROPOSED WATER SERVICE CONNECTIONS TO EXISTING WATER METERS.
2. CONTRACTOR TO KEEP OPEN ONE LANE OF TRAFFIC OPEN DURING WORK HOURS, AND BOTH LANES OPEN AFTER CONCLUSION OF WORK DAY.
3. CONTRACTOR TO REPLACE ADA RAMPS, CURBS, DRIVES, SIDEWALKS, LANDSCAPING, AND ALL OTHER EXISTING FEATURES IF IMPACTED BY PROPOSED WORK. ALL FEATURES TO BE REINSTATED TO MATCH EXISTING CONDITIONS.
4. ALL UTILITIES SHOWN ARE ASSUMED. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITY PRIOR TO INSTALLATION.

KEY NOTES

- (A) CONTRACTOR TO SALVAGE EXISTING HYDRANT ASSEMBLIES AND COORDINATE WITH CITY FOR STORAGE.
- (B) CONTRACTOR TO COORDINATE WITH HOMEOWNER BEFORE CONSTRUCTION TO ENSURE HOMEOWNER ACCESS.
- (C) ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER, SEE DETAIL A ON SHEET C203.
- (D) DEPRESSED CORNER CURB RAMP, SEE DETAIL B ON SHEET C203.
- (E) PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE, SEE DETAIL C ON SHEET C203.



DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

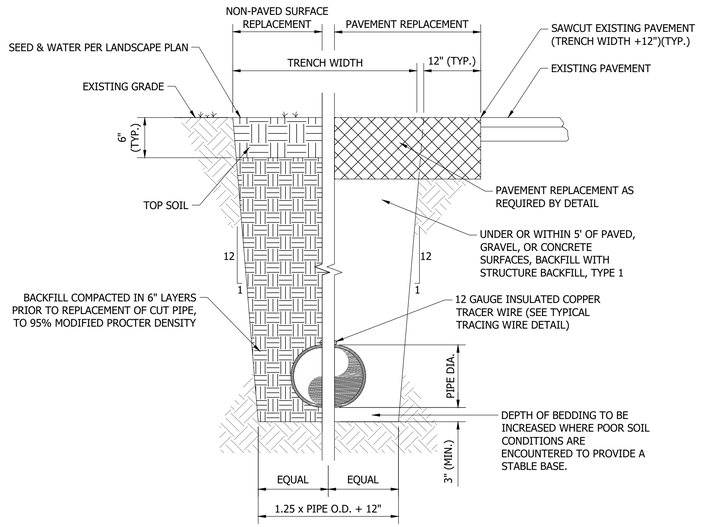
RICARDO JUAN PAREDES ANDRADE
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

WATER MAIN PLAN VIEW - OAKLAND COURT & WILKIE COURT

C106

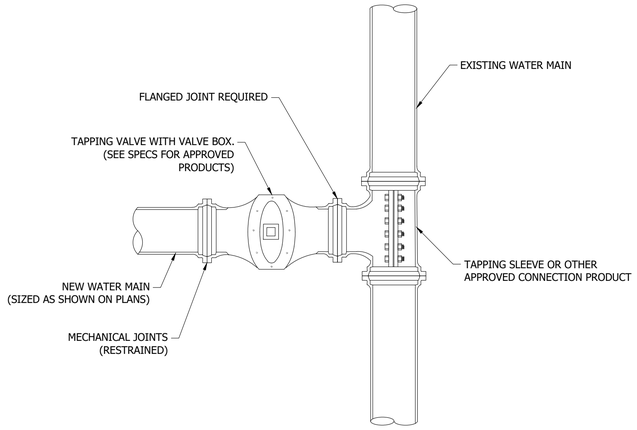
PRINT DATE: 2/11/26
PLOT SCALE: 1:186.91
EDIT DATE: 2/11/26 - 10:01 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 3 WATER MAIN PLAN VIEW.DWG



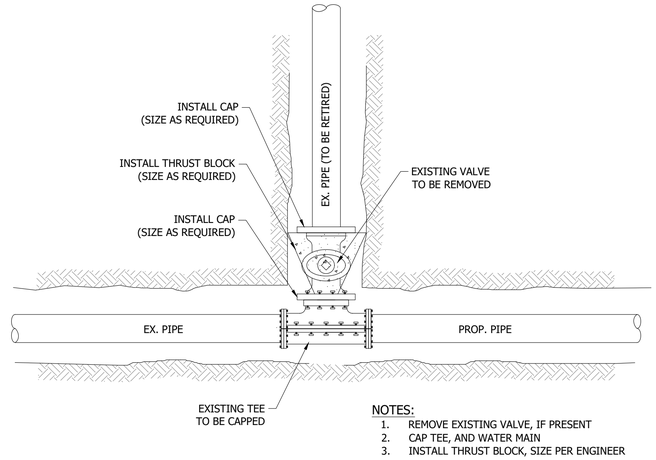
DETAIL NOTES:

1) CONTRACTOR TO UTILIZE INDOT STANDARD DETAILS FOR ANY SECTIONS OF PAVEMENT REPAIR INSIDE INDOT ROW.
2) CLEAN SAND BEDDING TO BE INSTALLED AT 3" MIN. BELOW PIPE, THROUGH PIPE DIAMETER DEPTH, AND 3" MIN. ABOVE CROWN OF PIPE. CLEAN SAND BEDDING SHALL BE FREE OF OTHER SOIL AND DEBRIS AND BE WITH NO MORE THAN 5% OF THE MATERIAL PASSING A NO. 200 SIEVE.

1 WATER MAIN TRENCH DETAIL
NOT TO SCALE

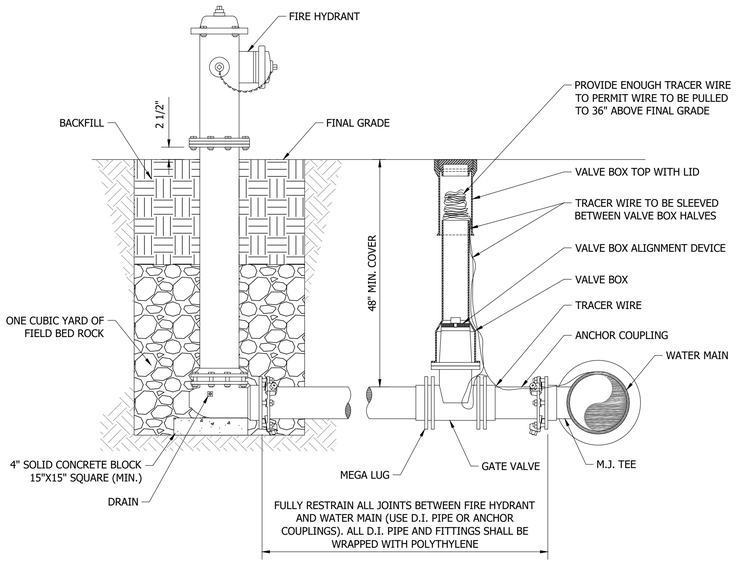


3 WATER MAIN TAPPING DETAIL
NOT TO SCALE

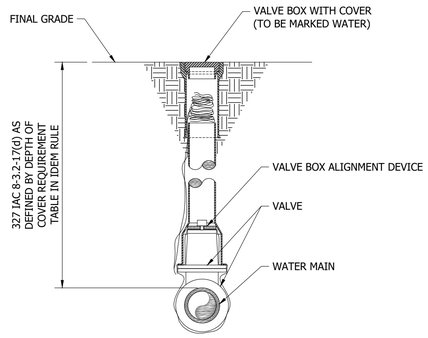


NOTES:
1. REMOVE EXISTING VALVE, IF PRESENT
2. CAP TEE, AND WATER MAIN
3. INSTALL THRUST BLOCK, SIZE PER ENGINEER

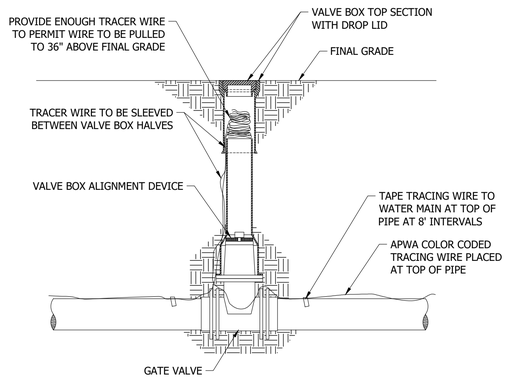
6 CUT AND CAP DETAIL
NOT TO SCALE



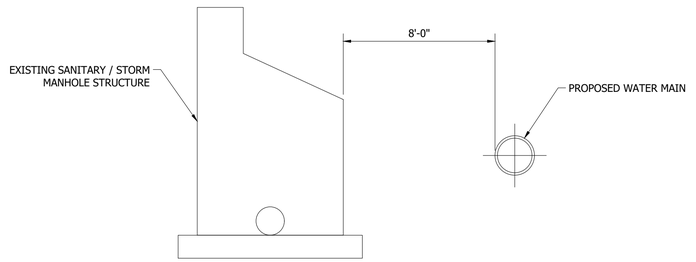
2 FIRE HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



4 GATE VALVE DETAIL
NOT TO SCALE



5 TRACING WIRE DETAIL
NOT TO SCALE



8 HORIZONTAL OFFSET REQUIREMENTS FOR SEWER STRUCTURES
NOT TO SCALE

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

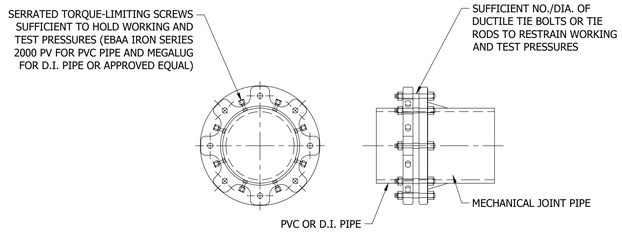
Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARANGUREN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

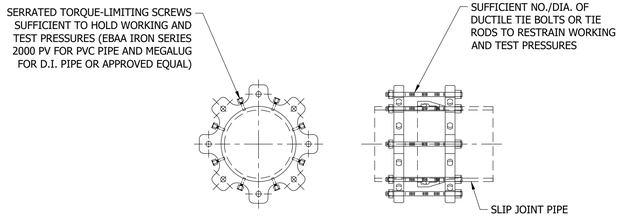
STANDARD CONSTRUCTION DETAILS

C200

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/3/26 - 7:37 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\6 ACAD\PLAN SHEETS\400631 3 STANDARD CONSTRUCTION DETAILS.DWG



RESTRAINED JOINTS ON MECHANICAL JOINT PIPE AND FITTINGS



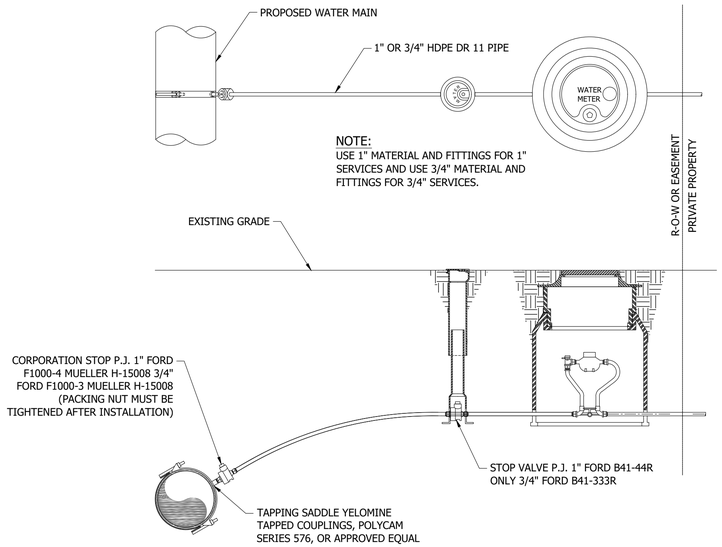
RESTRAINED JOINTS ON SLIP JOINT PIPE
(USING GRIPPING TYPE RETAINERS)

RESTRAINED LENGTHS FOR 6" DIA. PIPE				
DEPTH OF PIPE	5' / 10'	5' / 10'	5' / 10'	5' / 10'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	2'-0" / 0'-0"	4'-0" / 2'-0"	8'-0" / 4'-0"	19'-0" / 10'-0"

RESTRAINED LENGTHS FOR 3" DIA. PIPE				
DEPTH OF PIPE	5'	5'	5'	5'
BEND ANGLE	11.25°	22.5°	45°	90°
RESTRAINED LENGTH	2'-0"	3'-0"	5'-0"	13'-0"

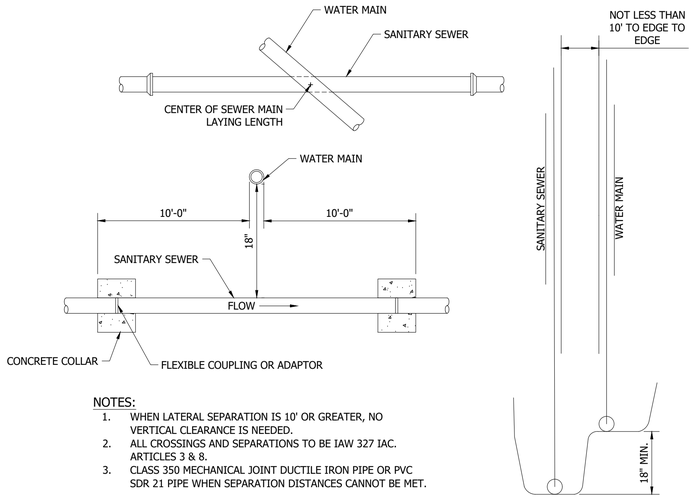
RESTRAINED LENGTHS FOR TEES				
SIZE OF PIPE	6"X6"X6"	6"X6"X3"	6" DEAD END	3" DEAD END
DEPTH OF PIPE	5'-0"	5'-0"	5'-0"	5'-0"
FITTING TYPE	TEE	TEE	END CAP	END CAP
RESTRAINED LENGTH	35'-0"	18'-0"	35'-0"	18'-0"

9 WATER MAIN PIPE JOINT RESTRAINT DETAIL
NOT TO SCALE



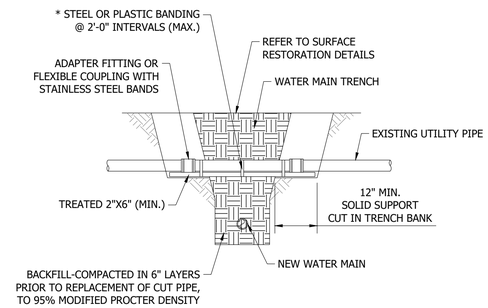
NOTE:
USE 1" MATERIAL AND FITTINGS FOR 1" SERVICES AND USE 3/4" MATERIAL AND FITTINGS FOR 3/4" SERVICES.

10 WATER METER SERVICE CONNECTION - 3/4" TO 1"
NOT TO SCALE



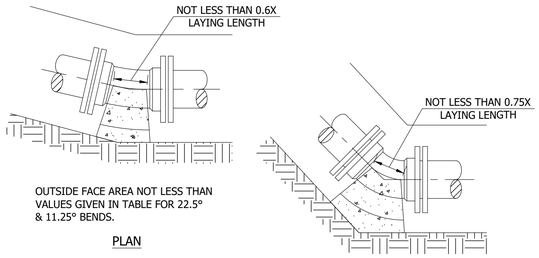
NOTES:
1. WHEN LATERAL SEPARATION IS 10' OR GREATER, NO VERTICAL CLEARANCE IS NEEDED.
2. ALL CROSSINGS AND SEPARATIONS TO BE IAW 327 IAC. ARTICLES 3 & 8.
3. CLASS 350 MECHANICAL JOINT DUCTILE IRON PIPE OR PVC SDR 21 PIPE WHEN SEPARATION DISTANCES CANNOT BE MET.

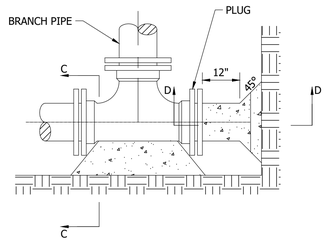
11 WATER AND SANITARY MINIMUM VERTICAL CROSSING AND SEPARATION DETAIL
NOT TO SCALE

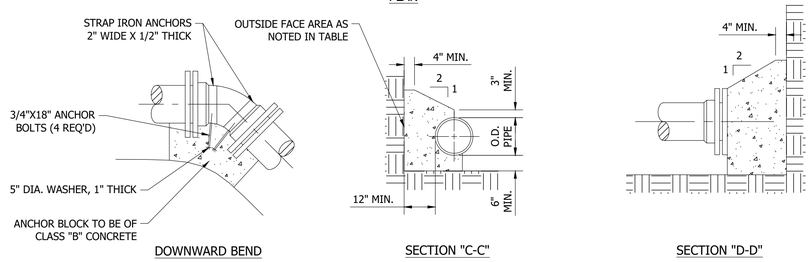


NOTE:
* BANDED TO BE 1" MIN. WIDTH MATERIAL AND TO BE INSTALLED WITH STANDARD BANDING TOOLS.

13 REPAIR AND SUPPORT DETAILS OF EXPOSED UTILITIES
NOT TO SCALE







NOTE:
ALL CONCRETE BLOCKING TO CONSIST OF CLASS "B" CONCRETE POURED AGAINST FIRM GROUND.

BLOCKING FOR PLUGS AND BENDS					
PIPE SIZE	OUTSIDE FACE AREA (SQ. FT.)				
	PLUG	90° BEND	45° BEND	22.5° BEND	11.25° BEND
6"	0	0	2	0	0
3"	2	0	2	0	0

BLOCKING FOR TEES AND WYES		
SIZE OF RUN	SIZE OF BRANCH	OUTSIDE FACE AREA (SQ. FT.)
12" OR LESS	12"	7
	10"	6
	8"	4
	6"	2
	4"	2
	3"	

12 THRUST BLOCK DETAILS
NOT TO SCALE

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

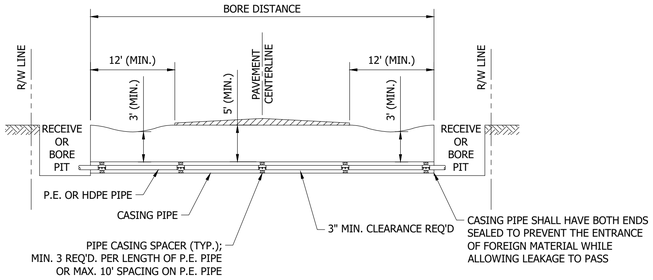
Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARANGUREN REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

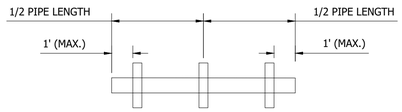
STANDARD CONSTRUCTION DETAILS

C201

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/3/26 - 7:37 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\6 ACAD\PLAN SHEETS\400631 3 STANDARD CONSTRUCTION DETAILS.DWG



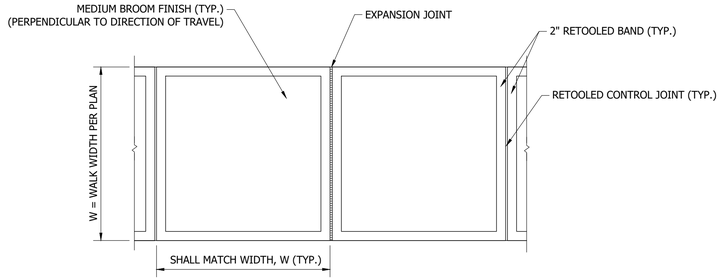
SECTION



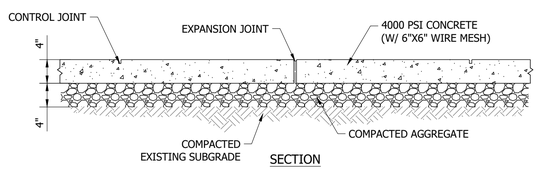
PIPE CASING SPACER DETAIL

NOTE:
1. ALL JOINTS IN CASING PIPE SHALL BE RESTRAINED.
2. STEEL CASING SECTIONS SHALL BE CONNECTED BE WELDING. WELD SHALL BE IN ACCORDANCE WITH AWWA C206.
3. POLYTHYLENE CASING SHALL BE CONNECTED BY WELDING.

14 TYPICAL BORING CASING PIPE DETAIL
NOT TO SCALE



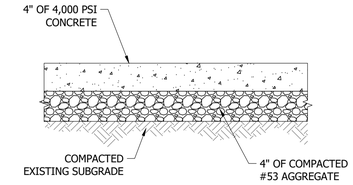
PLAN VIEW



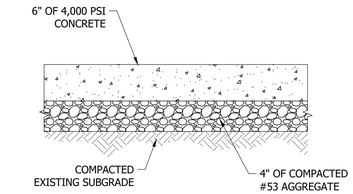
SECTION

NOTES:
1. SUBMIT TYPICAL JOINT PATTERN SHOP DRAWING TO ENGINEER AND ARCHITECT FOR APPROVAL PRIOR TO WORK.
2. ALL SIDEWALK JOINT LOCATIONS/SCORE PATTERNS SHALL BE PROVIDED AS INDICATED IN THE PROJECT SPECIFICATIONS AND AS APPROVED BY ARCHITECT AND OWNER.
3. ALL MATERIALS AND INSTALLATION PER APPLICABLE INDOT STANDARD SPECIFICATIONS, LATEST EDITION.

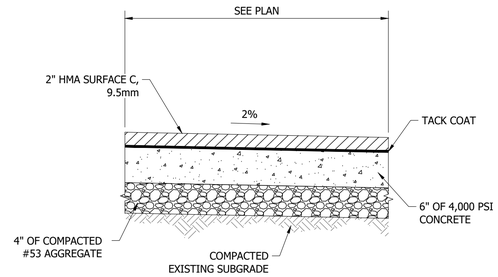
15 CONCRETE SIDEWALK DETAIL
NOT TO SCALE



16 TYPICAL SIDEWALK REPLACEMENT SECTION DETAIL
NOT TO SCALE



17 TYPICAL DRIVEWAY REPLACEMENT SECTION DETAIL
NOT TO SCALE



18 NON-STATE ROAD REPLACEMENT SECTION DETAIL
NOT TO SCALE

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

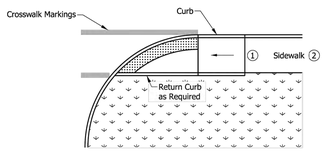
Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARANGUREN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

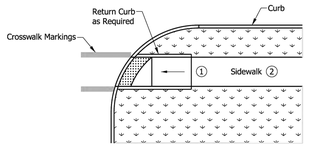
STANDARD CONSTRUCTION DETAILS

C202

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/3/26 - 7:37 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 3 STANDARD CONSTRUCTION DETAILS.DWG



ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP ADJACENT CURB



ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER

NOTES:

1. A turning space is not required at the top of the ramp for a one-way directional perpendicular curb ramp.
2. Where there is no buffer between the sidewalk and curb the preferred minimum sidewalk width is 6 ft. Where a buffer is placed between the sidewalk and curb, the preferred minimum sidewalk width is 5 ft. See Standard Drawing Series E 604-SDWK for sidewalk details.

LEGEND:

- Buffer or Other Non-Walkable Surface
- Ramp
- Detectable Warning Surface

INDIANA DEPARTMENT OF TRANSPORTATION

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP TYPICAL PLACEMENT

SEPTEMBER 2016

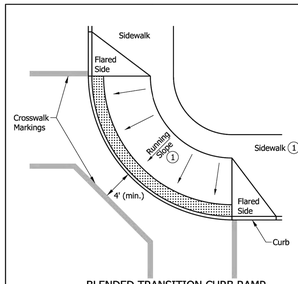
STANDARD DRAWING NO. E 604-SWCR-05

ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER

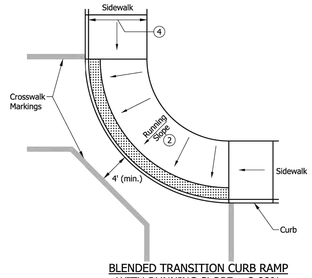
/s/ Elizabeth W. Phillips 03/15/16
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 03/18/16
CHIEF ENGINEER DATE

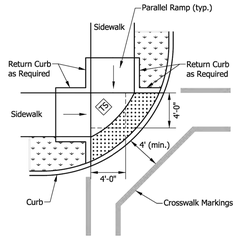
A ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMP WITH BUFFER
NOT TO SCALE



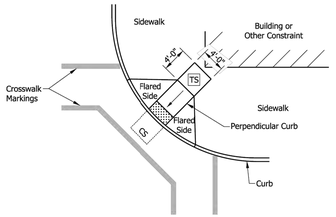
BLENDED TRANSITION CURB RAMP WITH RUNNING SLOPE > 2.00%



BLENDED TRANSITION CURB RAMP WITH RUNNING SLOPE ≤ 2.00%



DEPRESSED CORNER CURB RAMP



DIAGONAL CURB RAMP 3

NOTES:

1. Where the running slope is greater than 2.00%, a 4-ft minimum sidewalk shall continue behind the blended transition. The running slope shall not exceed 5.00%.
2. Where the running slope is less than or equal to 2.00% a 4-ft minimum sidewalk is not required behind the blended transition.
3. A diagonal curb ramp shall not be used for new construction. For an alteration project, a diagonal curb ramp shall be used only where existing physical conditions prevent paired curb ramps, a blended transition curb ramp, or a depressed corner curb ramp from being provided.
4. Where there is no buffer between the sidewalk and curb the preferred minimum sidewalk width is 6 ft. Where a buffer is placed between the sidewalk and curb, the preferred minimum sidewalk width is 5 ft. See Standard Drawing Series E 604-SDWK for sidewalk details.

LEGEND:

- Buffer or Other Non-Walkable Surface
- Ramp
- Detectable Warning Surface
- TS Turning Space
- CS Clear Space

INDIANA DEPARTMENT OF TRANSPORTATION

BLENDED TRANSITION CURB RAMP, DEPRESSED CURB RAMP AND DIAGONAL CURB RAMP TYPICAL PLACEMENT

SEPTEMBER 2018

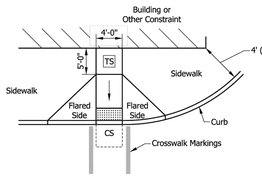
STANDARD DRAWING NO. E 604-SWCR-09

ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER

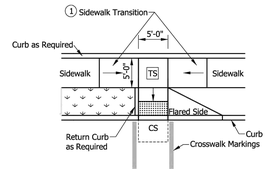
/s/ Elizabeth W. Phillips 03/29/18
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
CHIEF ENGINEER DATE

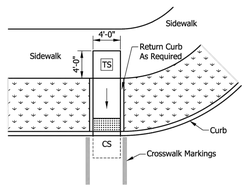
B DEPRESSED CORNER CURB RAMP
NOT TO SCALE



PERPENDICULAR CURB RAMP ADJACENT WALKABLE SURFACE



TIERED PERPENDICULAR CURB RAMP



PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE

NOTES:

1. Where insufficient width between the curb and back of sidewalk prevent a standard perpendicular curb ramp running slope, a sidewalk transition may be used to lower the sidewalk grade. The sidewalk transition running slope shall not exceed 8.33%. See Standard Drawing Series E 604-SDWK for sidewalk details.
2. The turning space shall have a minimum clear dimension of 4 ft x 4 ft and a running slope of 2.00% maximum. Where the turning space is constrained at the back of the sidewalk, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.

LEGEND:

- Buffer or Other Non-Walkable Surface
- Ramp
- Detectable Warning Surface
- TS Turning Space
- CS Clear Space

INDIANA DEPARTMENT OF TRANSPORTATION

PERPENDICULAR CURB RAMP TYPICAL PLACEMENT

SEPTEMBER 2018

STANDARD DRAWING NO. E 604-SWCR-02

ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/29/18
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
CHIEF ENGINEER DATE

C PERPENDICULAR CURB RAMP ADJACENT NON-WALKABLE SURFACE
NOT TO SCALE

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313

Designed By: CLC/RJPA

Drawn By: RLH

Checked By: ALC

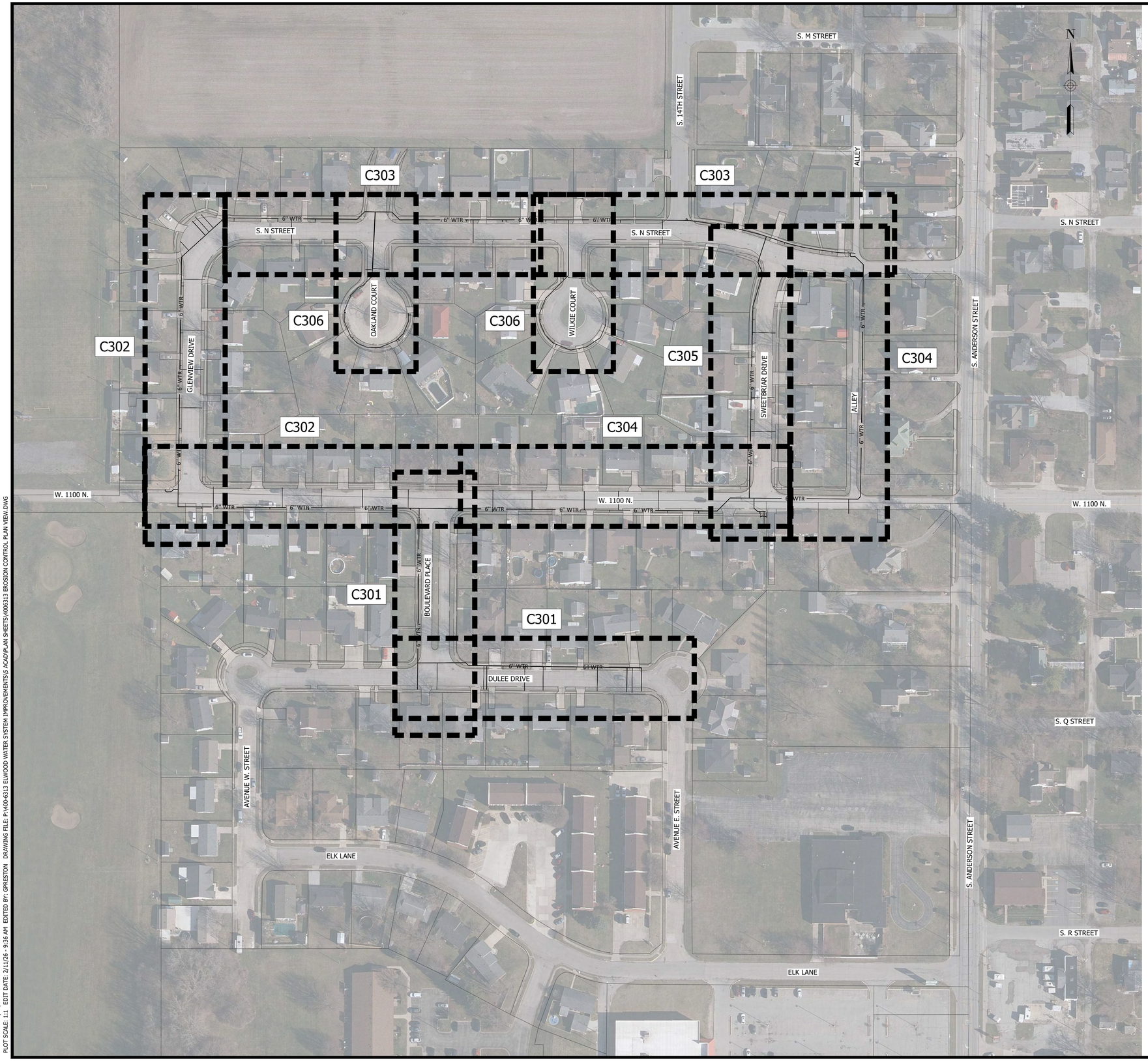
Date: 01/30/2026

RICARDO JUAN PAREDES ARANGUREN REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

INDOT CURB RAMP DETAILS

C203

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/3/26 - 7:37 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631305 STANDARD CONSTRUCTION DETAILS.DWG



EROSION CONTROL LEGEND

- PROPOSED CONSTRUCTION LIMITS
- SF — EROSION CONTROL SILT FENCE
- EROSION CONTROL FILTER SOCK
- CONCRETE REPLACEMENT
- PERMANENT SEEDING
- ASPHALT REPLACEMENT
- CURB INLET DROP BAG PROTECTION
- STRUCTURE INLET DROP BAG PROTECTION

EROSION CONTROL NOTES

1. SEE SHEET USGS FOR SOILS MAP AND SOIL CHARACTERISTICS.
2. SEE SHEET C400 FOR EROSION CONTROL DETAILS.
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION.
4. ACCESS TO THE SITE SHALL BE RESTRICTED TO THE LOCATION AS SHOWN. NO OTHER SITE ACCESS IS AVAILABLE UNLESS THE CONTRACTOR OBTAINS APPROVAL FROM ADJACENT PROPERTY OWNER AND APPROVAL FROM THE CITY.
5. EROSION CONTROL MAINTENANCE - SITE TO BE INSPECTED ONCE A WEEK AND AFTER EVERY RAINFALL EVENT. MAKE REPAIRS IMMEDIATELY.
6. THE SITE IS NOT LOCATED ON OR ADJACENT TO ANY FLOODWAY/FLOOD PLAIN AREAS.
7. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
8. AREAS THAT WILL BE DISTURBED FOR MORE THAN 7 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEEDING. ALL DISTURBED YARD/GRASS AREAS MUST BE STABILIZED WITH PERMANENT SEEDING MEASURES.
9. SEE SHEET FOR C400 FOR GENERAL SEEDING AND SURFACE STABILIZATION PROCEDURES.
10. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ADDITIONAL EROSION CONTROL MEASURES TO REQUEST OF LOCAL AND/OR STATE STORMWATER AND EROSION CONTROL INSPECTORS.
11. SPOILS TO BE REMOVED FROM SITE, CONTRACTOR TO DETERMINE LOCATION AND COORDINATE WITH THE LOCAL EROSION CONTROL AUTHORITY.
12. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE PROJECT SITE.
13. SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN RECEIVING WATER. NO STORMWATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
14. PRIOR TO COMPLETION OF THIS PROJECT, CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE STRUCTURES AND RESTORE ALL DITCHES AND BASINS TO DESIGNED GRADES.

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313

Designed By: CLC/RJPA

Drawn By: RLH

Checked By: ALC

Date: 01/30/2026

RICARDO JUAN PAREDES ARANGUREN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

80' 0 80' 160'
GRAPHIC SCALE

EROSION CONTROL OVERALL PLAN VIEW

C300

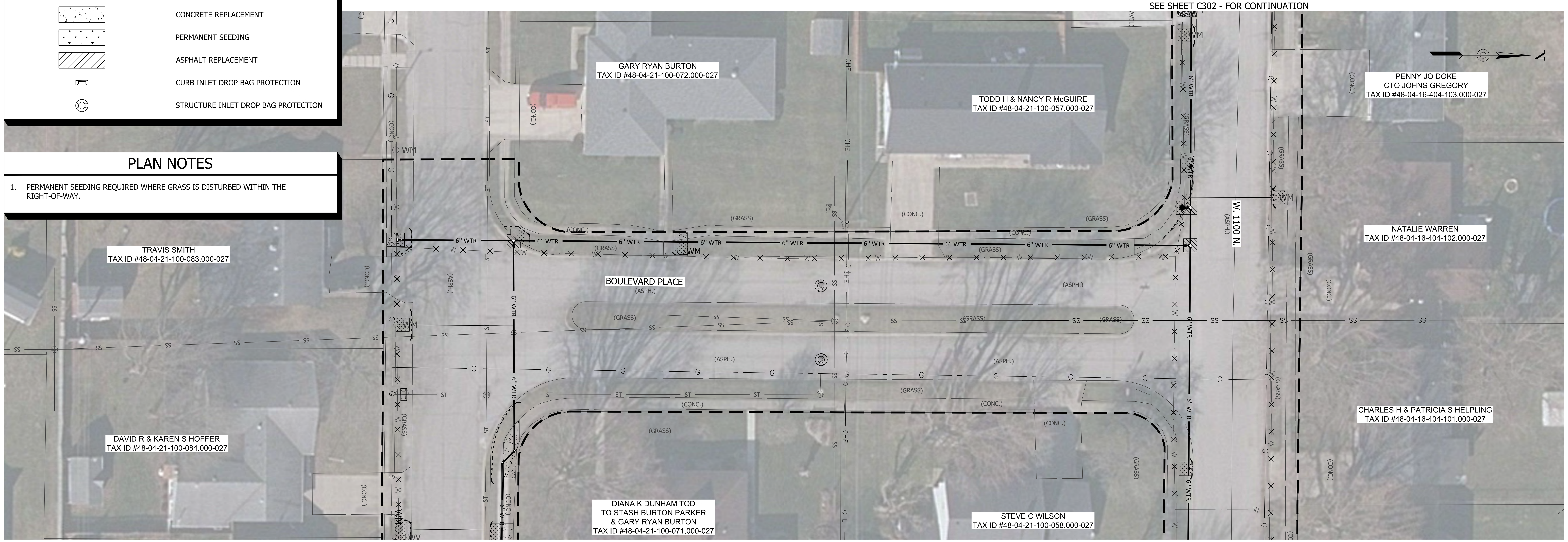
PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/11/26 - 9:36 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400-6313 EROSION CONTROL PLAN VIEW.DWG

EROSION CONTROL LEGEND

Symbol	Description
— — — —	PROPOSED CONSTRUCTION LIMITS
—— SF ——	EROSION CONTROL SILT FENCE
— · —	EROSION CONTROL FILTER SOCK
	CONCRETE REPLACEMENT
	PERMANENT SEEDING
	ASPHALT REPLACEMENT
	CURB INLET DROP BAG PROTECTION
	STRUCTURE INLET DROP BAG PROTECTION

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.



DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

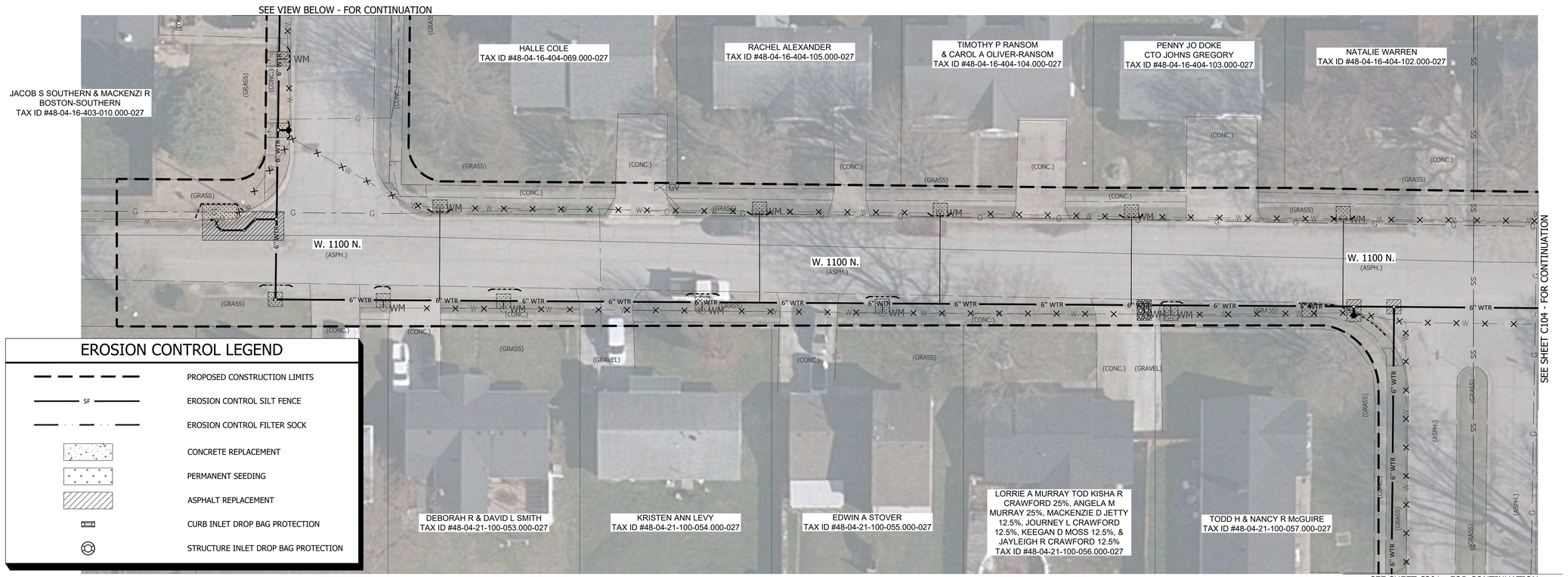
Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARONSOHN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

EROSION CONTROL PLAN VIEW - DULEE DRIVE & BOULEVARD PLACE

C301

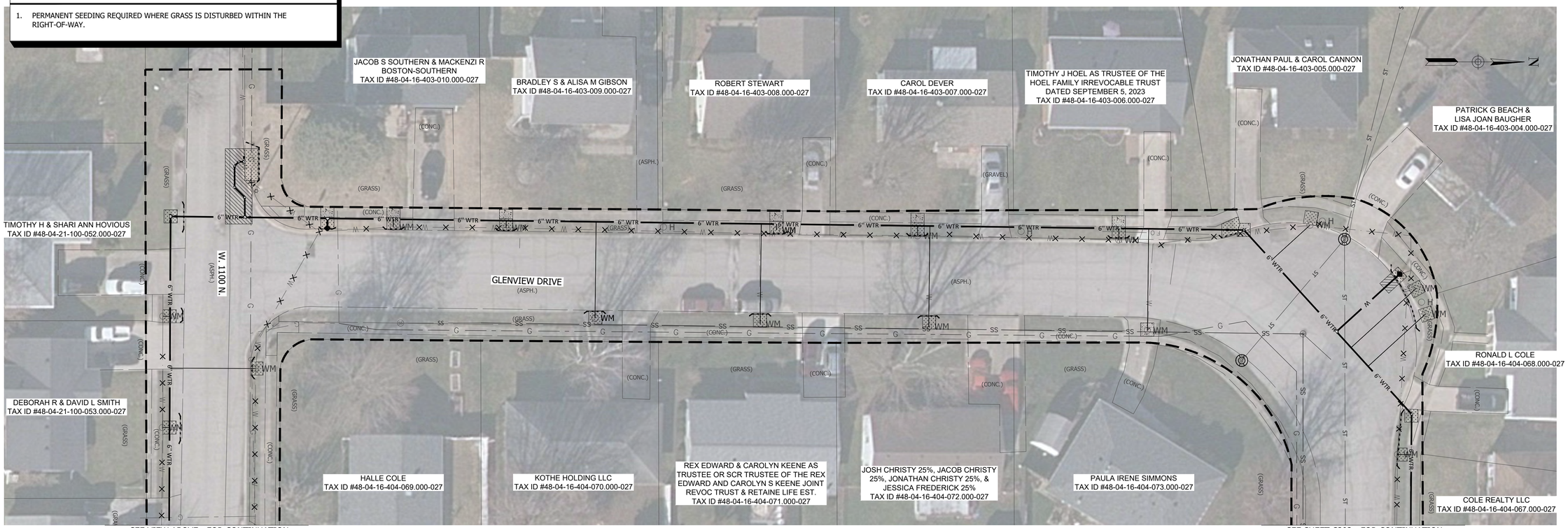


EROSION CONTROL LEGEND

- PROPOSED CONSTRUCTION LIMITS
- EROSION CONTROL SILT FENCE
- EROSION CONTROL FILTER SOCK
- CONCRETE REPLACEMENT
- PERMANENT SEEDING
- ASPHALT REPLACEMENT
- CURB INLET DROP BAG PROTECTION
- STRUCTURE INLET DROP BAG PROTECTION

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.



DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

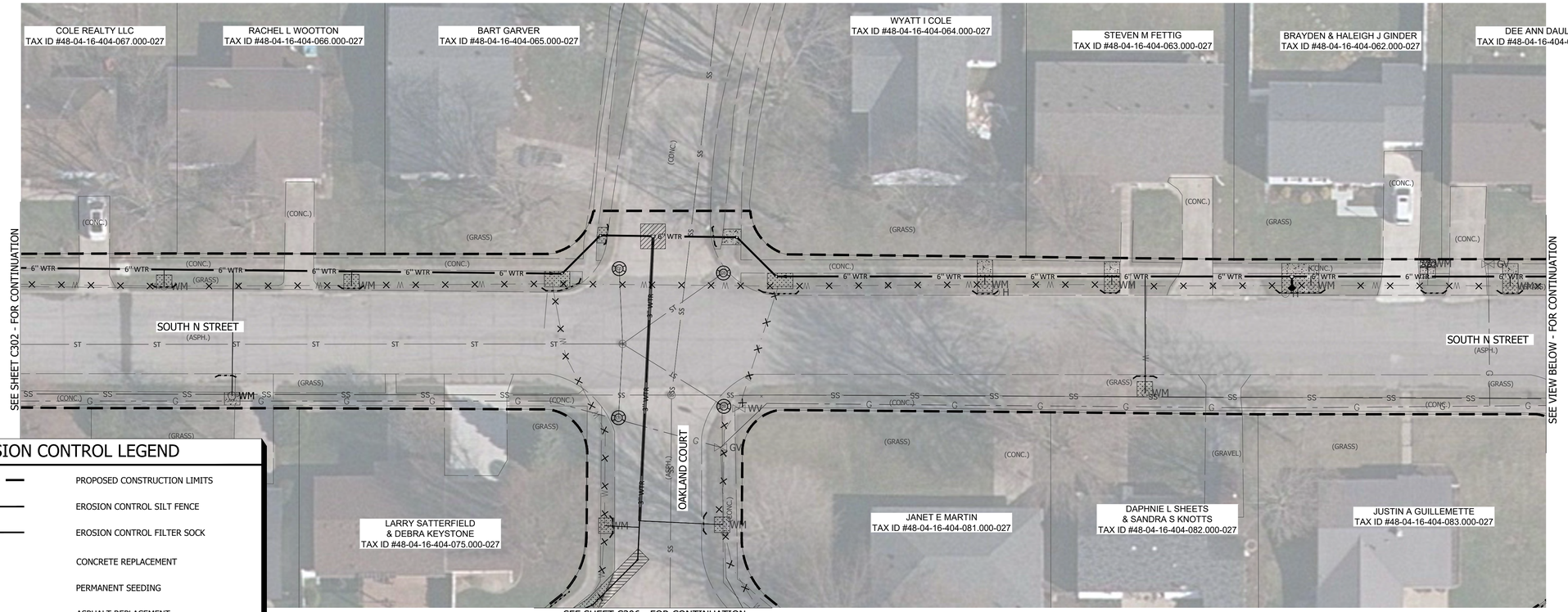
RICARDO JUAN PAREDES MADDEN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

EROSION CONTROL PLAN VIEW - W.1100 N. & GLENVIEW DRIVE

C302

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/11/26 - 9:36 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 3 EROSION CONTROL PLAN VIEW.DWG

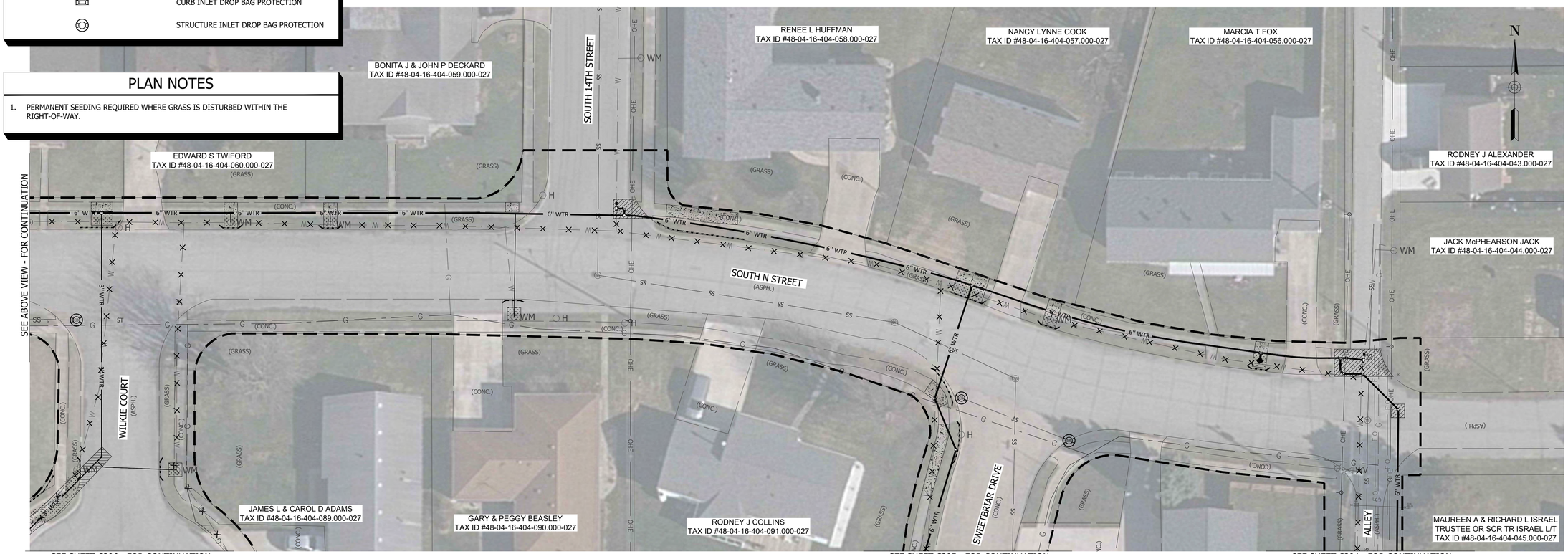


EROSION CONTROL LEGEND

- PROPOSED CONSTRUCTION LIMITS
- EROSION CONTROL SILT FENCE
- EROSION CONTROL FILTER SOCK
- CONCRETE REPLACEMENT
- PERMANENT SEEDING
- ASPHALT REPLACEMENT
- CURB INLET DROP BAG PROTECTION
- STRUCTURE INLET DROP BAG PROTECTION

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.



SEE SHEET C306 - FOR CONTINUATION | SEE SHEET C305 - FOR CONTINUATION | SEE SHEET C304 - FOR CONTINUATION

DCCM

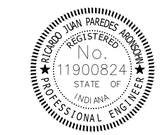
BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

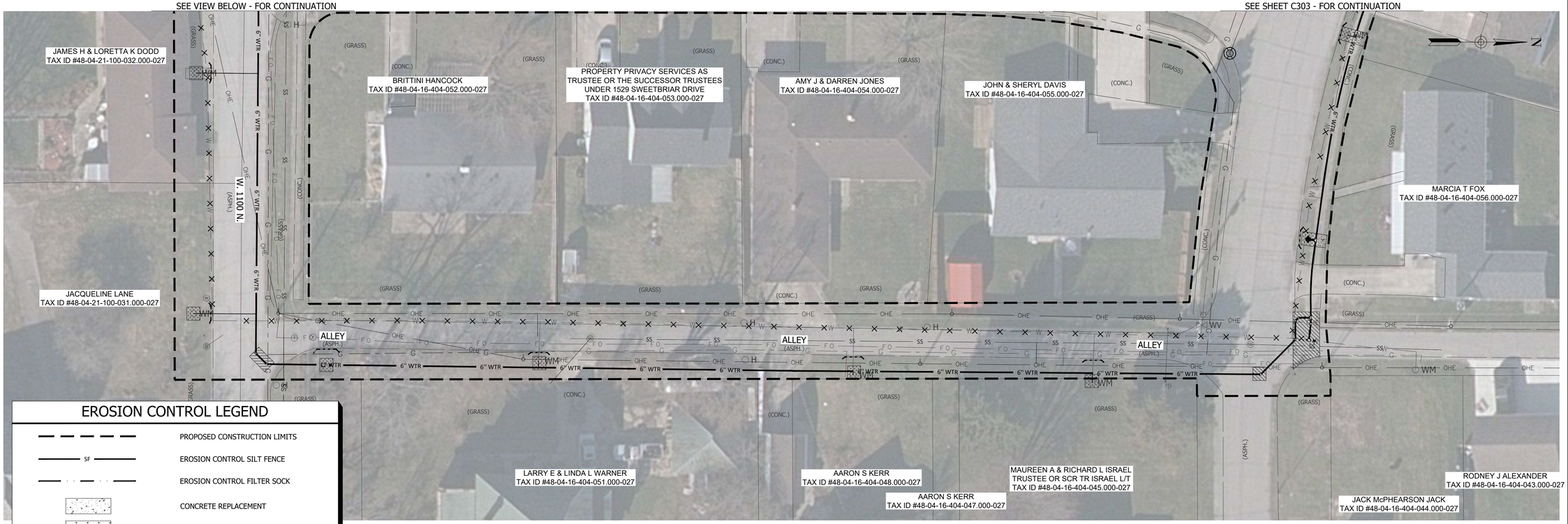


20' 0 20' 40'
GRAPHIC SCALE

EROSION CONTROL PLAN VIEW - SOUTH N. STREET

C303

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/11/26 - 9:36 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\15 ACAD\PLAN SHEETS\400-6313 EROSION CONTROL PLAN VIEW.DWG

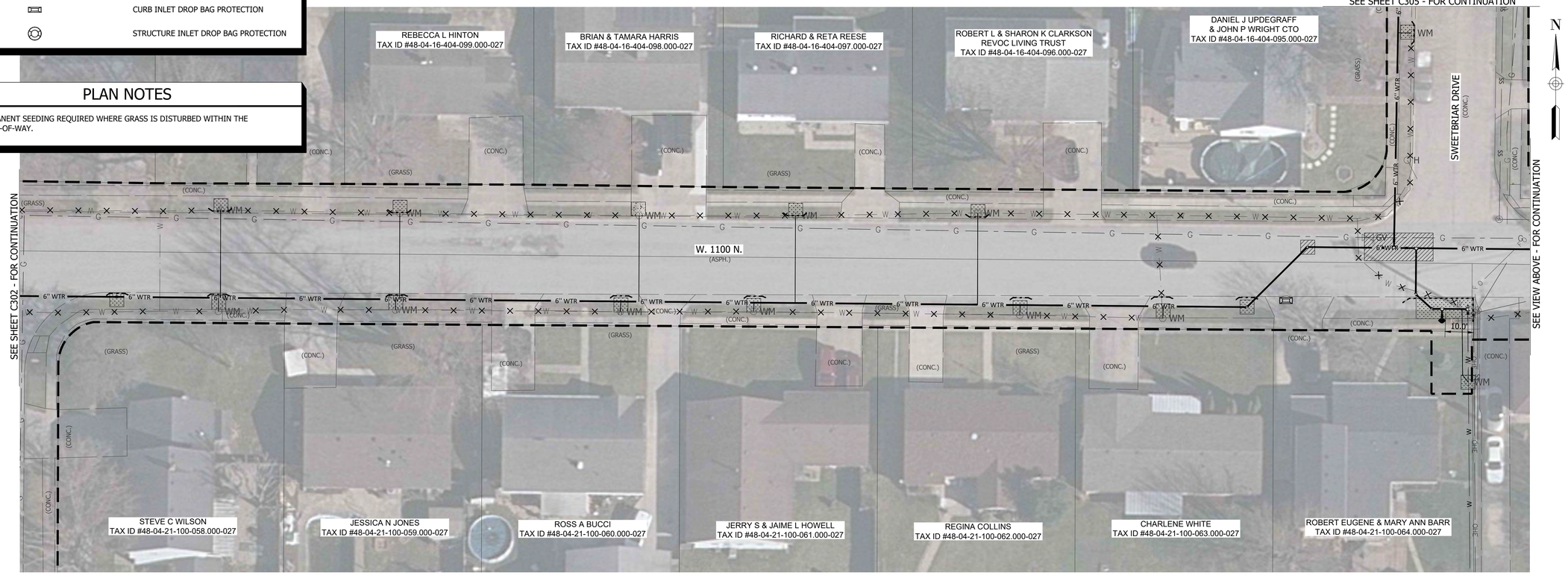


EROSION CONTROL LEGEND

- PROPOSED CONSTRUCTION LIMITS
- EROSION CONTROL SILT FENCE (SF)
- EROSION CONTROL FILTER SOCK
- CONCRETE REPLACEMENT
- PERMANENT SEEDING
- ASPHALT REPLACEMENT
- CURB INLET DROP BAG PROTECTION
- STRUCTURE INLET DROP BAG PROTECTION

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.



DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARDEN
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

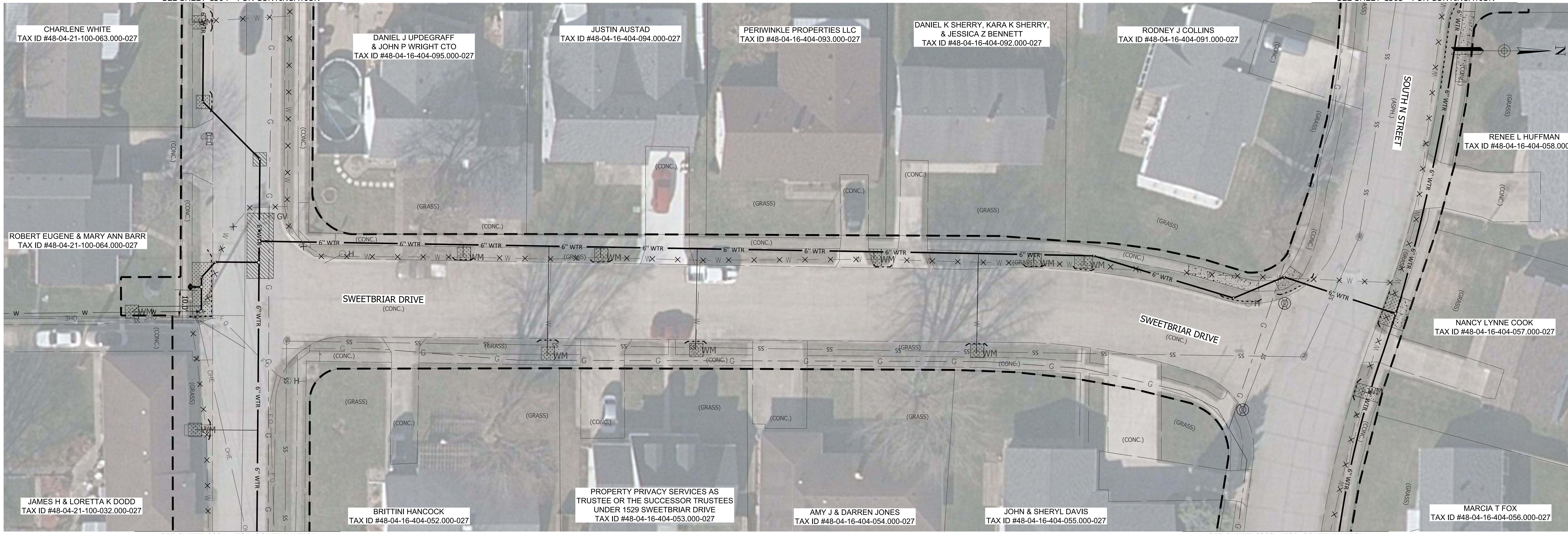
20' 0 20' 40'
GRAPHIC SCALE

EROSION CONTROL PLAN VIEW - ALLEY & W. 1100 N.

C304

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/11/26 - 9:36 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\15 ACAD\PLAN SHEETS\400-6313 EROSION CONTROL PLAN VIEW.DWG

SEE SHEET C304 - FOR CONTINUATION
SEE SHEET C303 - FOR CONTINUATION



SEE SHEET C304 - FOR CONTINUATION
SEE SHEET C303 - FOR CONTINUATION

EROSION CONTROL LEGEND

Symbol	Description
— — — —	PROPOSED CONSTRUCTION LIMITS
—— SF ——	EROSION CONTROL SILT FENCE
—·—·—	EROSION CONTROL FILTER SOCK
(hatch)	CONCRETE REPLACEMENT
(hatch)	PERMANENT SEEDING
(hatch)	ASPHALT REPLACEMENT
(symbol)	CURB INLET DROP BAG PROTECTION
(symbol)	STRUCTURE INLET DROP BAG PROTECTION

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/11/26 - 9:36 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\4006313 EROSION CONTROL PLAN VIEW.DWG

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

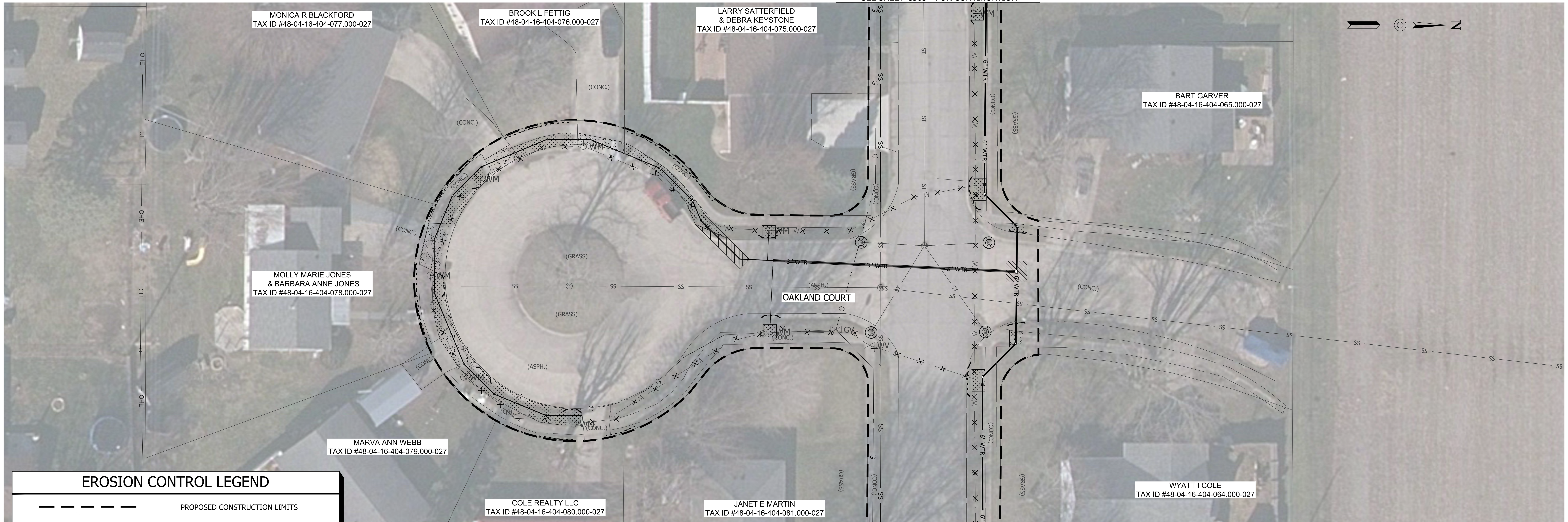
RICARDO JUAN PAREDES ARONSOHN REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

EROSION CONTROL PLAN VIEW - SWEETBRIAR DRIVE

C305

SEE SHEET C303 - FOR CONTINUATION



SEE SHEET C303 - FOR CONTINUATION

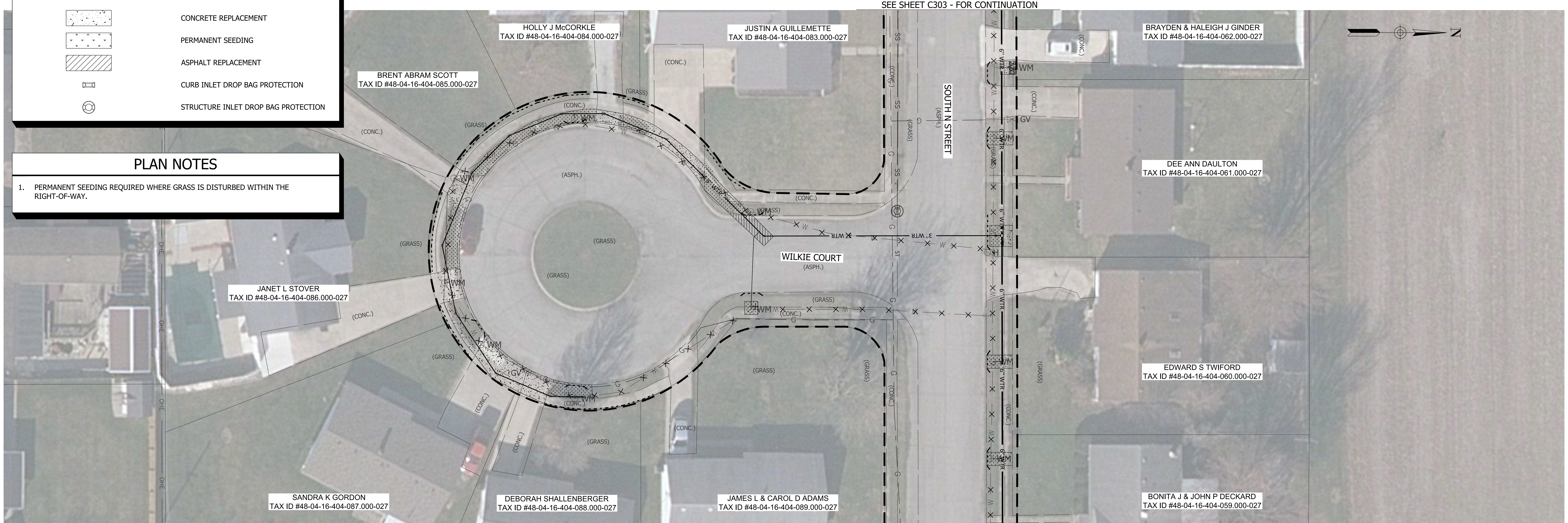
EROSION CONTROL LEGEND

— — —	PROPOSED CONSTRUCTION LIMITS
—— SF ——	EROSION CONTROL SILT FENCE
— · —	EROSION CONTROL FILTER SOCK
	CONCRETE REPLACEMENT
	PERMANENT SEEDING
	ASPHALT REPLACEMENT
	CURB INLET DROP BAG PROTECTION
	STRUCTURE INLET DROP BAG PROTECTION

PLAN NOTES

1. PERMANENT SEEDING REQUIRED WHERE GRASS IS DISTURBED WITHIN THE RIGHT-OF-WAY.

SEE SHEET C303 - FOR CONTINUATION



SEE SHEET C303 - FOR CONTINUATION

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 2/11/26 - 9:36 AM EDITED BY: GPRESTON DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\4006313 EROSION CONTROL PLAN VIEW.DWG

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARONSOHN REGISTERED No. 11900824 STATE OF INDIANA PROFESSIONAL ENGINEER

20' 0 20' 40'
GRAPHIC SCALE

EROSION CONTROL PLAN VIEW - OAKLAND COURT & WILKIE COURT

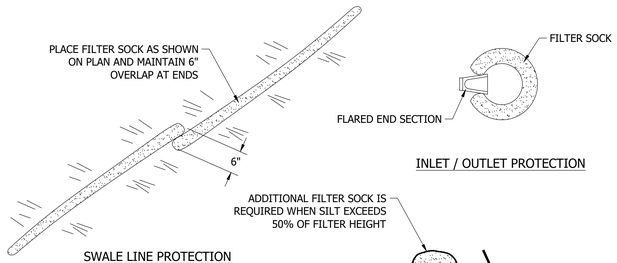
C306

INSTALLATION:

1. FILTER SOCK CAN BE PLACED IN DITCHES OR AT THE TOP, ON THE FACE, OR AT THE TOE OF A SLOPE AS SEDIMENT TRAPPING DEVICE. FILTER SOCK CAN ALSO SERVE TO REMOVE SEDIMENT FROM RUNOFF AND RELEASE FILTERED WATER AS SHEET FLOW.
2. FILTER SOCK INSTALLATION ON A SLOPE SHALL BE PLACED ALONG OR ON THE GROUND CONTOUR. WHERE POSSIBLE FILTER SOCK APPLIED TO THE TOE OF A SLOPE SHOULD BE PLACED 10 FEET AWAY FROM THE TOE IN ORDER TO PROVIDE SPACE FOR SEDIMENT STORAGE. MAXIMUM DRAINAGE AREA SHALL BE ¼ ACRE PER 100 LF OF FILTER SOCK.
3. FILTER SOCK SHALL BE PLACED PERPENDICULAR TO THE FLOW OF WATER. FILTER SOCK SHALL CONTINUE UP THE SIDE SLOPES TO THE UP OF BANK OR A MAXIMUM OF 3 FEET ABOVE THE INSTALLED HEIGHT. FILTER SOCK SHALL REMAIN IN PLACE UNTIL ALL UPSTREAM AREAS ARE PERMANENTLY STABILIZED.
4. FILTER SOCK CONSIST OF A TUBULAR MESH SOCK WITH OPENINGS NO GREATER THAN ⅜" OF AN INCH. THE MESH SOCK IS BIODEGRADABLE. FILL MATERIAL CONSIST OF WOOD CHIPS AND OTHER COMPLOT MATERIAL.
5. FILTER SOCK IS SUPPLIED AND INSTALLED IN DIAMETERS OF 9", 12", 18" OR 24" DIAMETER TOLERANCES ARE 2". FILTER SOCK WILL FLATTEN OUT TO AN OVAL WHEN IN PLACE, THUS THE INSTALLED HEIGHT WILL BE LESS THAN NOMINAL DIAMETER.
6. FILTER SOCK SHOULD BE REMOVED FROM SLOPES AFTER STABILIZATION IS COMPLETE. THIS MAY BE ACCOMPLISHED BY CUTTING THE FILTER SOCK OPEN AND SPREADING THE FILL MATERIAL ON THE SITE. FILTER SOCK APPLIED IN DITCH SHALL BE COMPLETELY REMOVED.

MAINTENANCE:

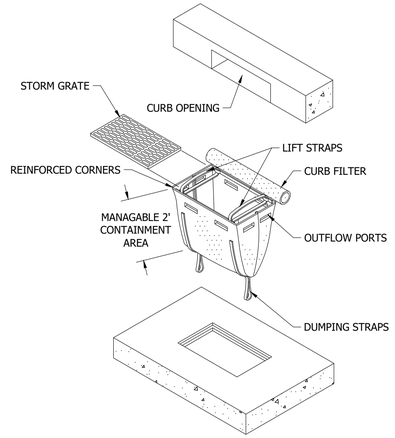
1. FILTER SOCK SHALL BE INSPECTED AFTER EACH RUNOFF EVENT AND SHALL BE REMOVED AND REPLACED IF SIGNS OF UNDERCUTTING OR DOWNSTREAM SPACING RILLS ARE OBSERVED.
2. IF FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. ADD ADDITIONAL LINE OF DEFENSE WHEN SEDIMENTATION REACHES 50% HEIGHT OF THE FILTER SOCK.
4. IN THE EVENT THAT THE FILTER SOCK IS RUN OVER WITH LIGHT VEHICLE TRAFFIC OR COMPRESSED, RESHAPE TO ORIGINAL CONTOUR. IN THE EVENT THAT NETTING IS TORN, ADD PROVIDED SLEEVE OVER EXISTING TORN AREA, OR CUT OUT THE TORN AREA AND RE-TIE THE NEW EXISTING ENDS.



NOTES:

1. ALL REPAIRS SHOULD MEET SPECIFICATIONS AS OUTLINED WITHIN THIS MEASURE.
2. APPROVED EQUALS WILL ALSO BE ACCEPTED IN LIEU OF FILTER SOCK.

1 FILTER SOCK BARRIER DETAIL
NOT TO SCALE



INSTALLATION AND MAINTENANCE GUIDELINES

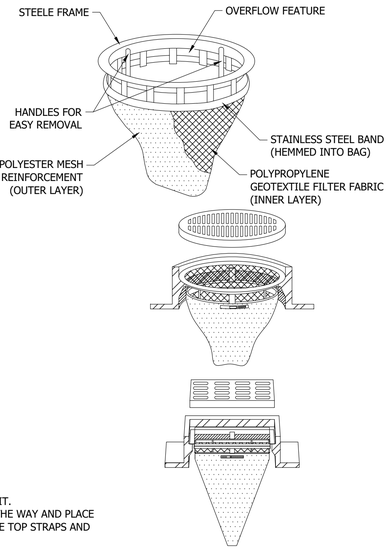
INSTALLATION:

1. REMOVE THE GRATE FROM THE CATCH BASIN.
2. IF USING OPTION OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN UNIT.
3. STAND THE GRATE ON END, MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY SACK SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS.
4. HOLDING THE LIDTING DEVICES, INSTER THE GRATE INTO THE INLET.
5. MAKE SURE THE CYLINDRICAL PORTION IS UP AGAINST THE CURB OPENING TO PREVENT SILT AND DEBRIS FROM ENTERING THE INLET.

MAINTENANCE:

- INSPECT DAILY.
- REMOVE ALL ACCUMULATED SEDIMENT AFTER EACH STORM EVENT. DISPOSE OF SEDIMENT IN AN AREA WHERE IT WILL NOT REENTER THE PAVED AREA OR STORM DRAINS. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET BY USING THE LIFTING STRAPS AND REMOVE THE GRATE.
- WHEN CONTRIBUTING DRAINAGE AREA HAD BEEN STABILIZED, REMOVE INLET PROTECTION.

3 DROP BAG INLET PROTECTION DETAIL
NOT TO SCALE



NOTE:
CONTRACTOR TO USE FLEXSTORM CATCH-IT INLET PROTECTOR, DANDY BAG OR APPROVED ALTERNATE.

SILT FENCE:

LOCATION

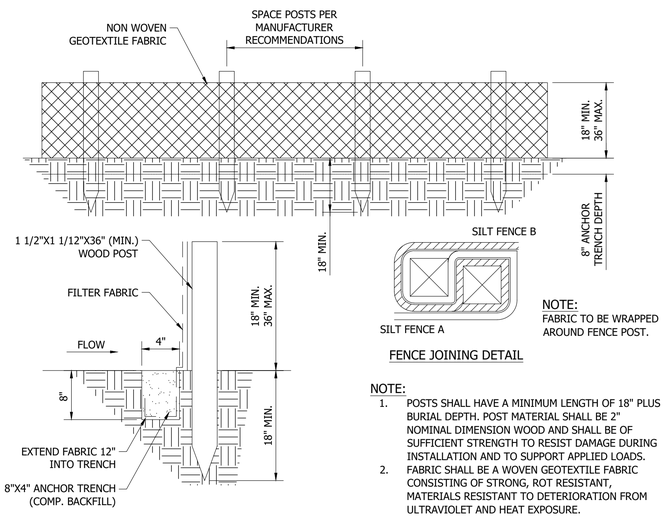
- INSTALLED PARALLEL TO THE SLOPE CONTOUR
- MINIMUM 10' BEYOND THE TOE OF SLOPE TO PROVIDE A BROAD, SHALLOW SEDIMENT POOL
- ACCESSIBLE FOR MAINTENANCE (REMOVAL OF SEDIMENT AND SILT FENCE REPAIR)

INSTALLATION

1. LAYOUT THE LOCATION OF THE FENCE SO THAT IT IS PARALLEL TO THE CONTOUR OF THE SLOPE AND AT LEAST 10' BEYOND THE TOE OF SLOPE TO PROVIDE A SEDIMENT STORAGE AREA. TURN THE ENDS OF THE FENCE UP SLOPE SUCH THAT THE POINT OF THE CONTACT BETWEEN THE GROUND AND THE BOTTOM OF THE FENCE END TERMINATES AT A HIGHER ELEVATION THAN THE TOP OF THE FENCE AT ITS LOWEST POINT.
2. EXCAVATE AN 8" DEEP BY 4" WIDE TRENCH ALONG THE ENTIRE LENGTH OF THE FENCE LINE. INSTALLATION BY PLOWING IS ALSO ACCEPTABLE.
3. INSTALL THE SILT FENCE WITH THE FILTER FABRIC LOCATED ON THE UP-SLOPE SIDE OF THE EXCAVATED TRENCH AND THE SUPPORT POSTS ON THE DOWN-SLOPE SIDE OF THE TRENCH.
4. DRIVE THE SUPPORT POSTS AT LEAST 18" INTO THE GROUND. TIGHTLY STRETCHING THE FABRIC BETWEEN THE POSTS AS EACH IS DRIVEN INTO THE SOIL. A MINIMUM OF 12" OF THE FILTER FABRIC SHOULD EXTEND INTO THE TRENCH. (IF IT IS NECESSARY TO JOIN THE ENDS OF THE TWO FENCE, USE THE WRAP JOINT METHOD SHOWN).
5. LAY THE LOWER 4" OF FILTER FABRIC ON THE BOTTOM OF THE TRENCH AND EXTEND IT TOWARD THE UP-SLOPE SIDE OF THE TRENCH.
6. BACKFILL THE TRENCH WITH SOIL MATERIAL AND COMPACT IT IN PLACE.

MAINTENANCE

- INSPECT WITHIN 24 HOURS OF A RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- IF FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY. NOTE: ALL REPAIRS SHOULD MEET SPECIFICATIONS AS OUTLINED WITH THIS MEASURE.
- REMOVE DEPOSITED SEDIMENT WHEN IT IS CAUSING THE FILTER FABRIC TO BULGE OR WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT. WHEN CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, FRADE THE SITE TO BLEND WITH THE SURROUNDING AREA, AND STABILIZE.



NOTE:

1. POSTS SHALL HAVE A MINIMUM LENGTH OF 18" PLUS BURIAL DEPTH. POST MATERIAL SHALL BE 2" NOMINAL DIMENSION WOOD AND SHALL BE OF SUFFICIENT STRENGTH TO RESIST DAMAGE DURING INSTALLATION AND TO SUPPORT APPLIED LOADS.
2. FABRIC SHALL BE A WOVEN GEOTEXTILE FABRIC CONSISTING OF STRONG, ROT RESISTANT, MATERIALS RESISTANT TO DETERIORATION FROM ULTRAVIOLET AND HEAT EXPOSURE.

2 SILT FENCE DETAIL
NOT TO SCALE

STABILIZATION PRACTICE:	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A		*/ / / /I/ / / /*				*/I/*			
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C	E	*/ / / /I/ / / /*			D				
SODDING					F**	*/ / / /I/ / / /*						
MULCHING	G											

A = KENTUCKY BLUEGRASS 40 LBS/ACRE: CREEPING RED FESCUE 40 LBS/ACRE: PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS/ACRE
B = KENTUCKY BLUEGRASS 60 LBS/ACRE: CREEPING RED FESCUE 60 LBS/ACRE: PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS/ACRE
C = SPRING OATS 3 BUSHEL/ACRE
D = WHEAT OR RYE 2 BUSHEL/ACRE
E = ANNUAL RYEGRASS 40 LBS/ACRE (1 LB/1000 SQ.FT.)
F = SOD
G = STRAW MULCH 2 TONS/ACRE
/I/ IRRIGATION NEEDED DURING JUNE, JULY, AND/OR SEPTEMBER.
** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

4 SEASONAL SOIL PROTECTION CHART
NOT TO SCALE

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

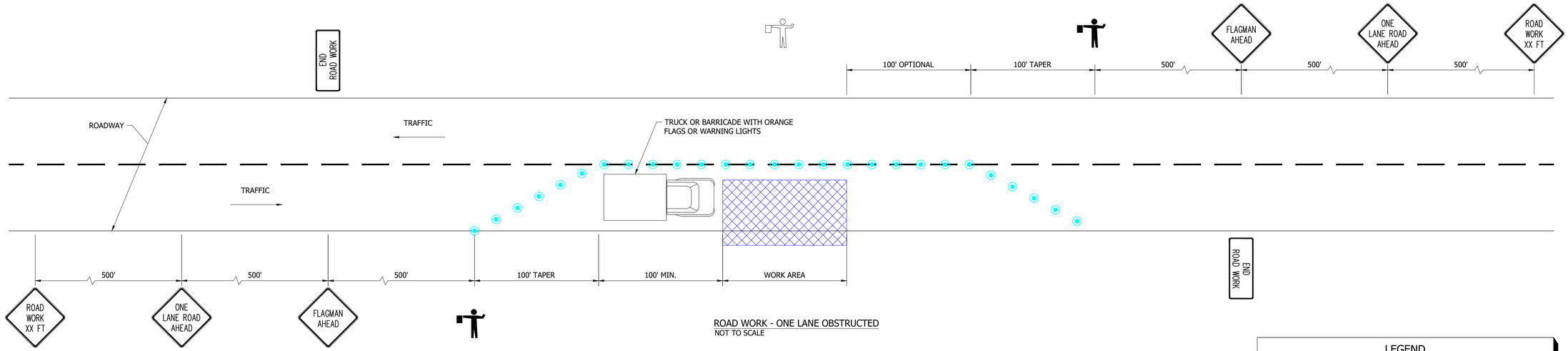
Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ARZOLA
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

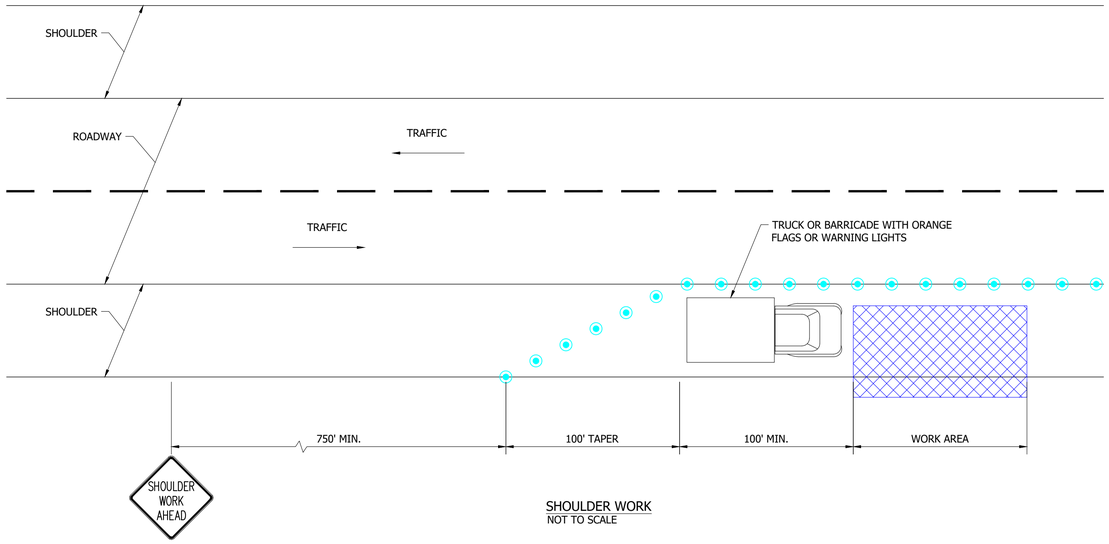
EROSION CONTROL DETAILS

C400

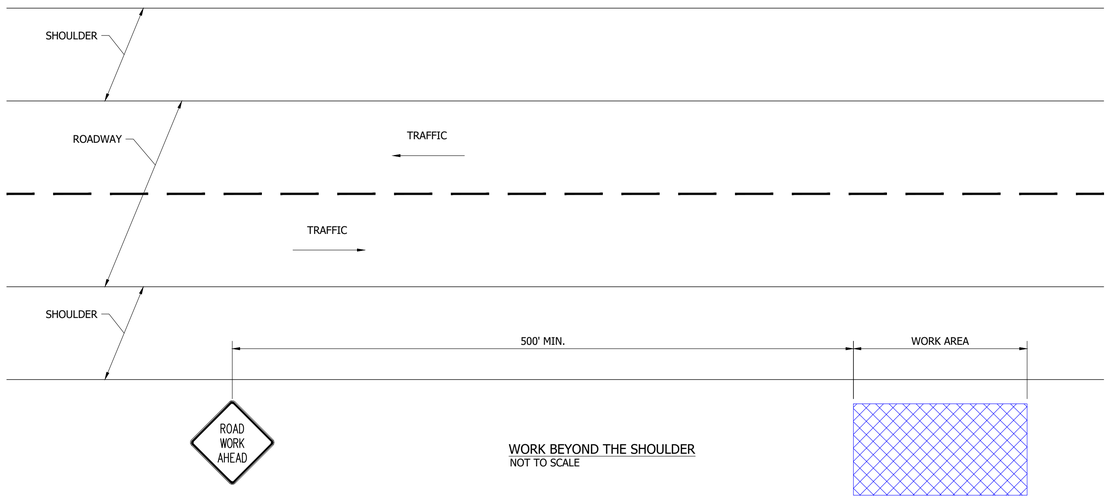
PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 11/6/25 - 11:48 AM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 EROSION CONTROL DETAILS.DWG



ROAD WORK - ONE LANE OBSTRUCTED
NOT TO SCALE



SHOULDER WORK
NOT TO SCALE



WORK BEYOND THE SHOULDER
NOT TO SCALE

LEGEND

- CHANNELING DEVICE - DRUM
- FLAGGING STATIONS
- ADDITIONAL FLAGMAN MAY BE REQUIRED HERE IF AREA IS HILLY, CURVED, OR IF EQUIPMENT CROSSES INTO TRAFFIC LANE
- WORK AREA

TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL PROCEDURES, SIGNS, AND BARRICADES SHALL BE IN ACCORDANCE WITH THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST REVISION).
2. THE CONTRACTOR SHALL PREPARE A DETAILED MAINTENANCE OF TRAFFIC PLAN INCLUDING DATES OF LANE RESTRICTIONS AND TEMPORARY CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE CITY OF ELWOOD, MADISON COUNTY HIGHWAY DEPARTMENT, AND ENGINEER FOR REVIEW AND APPROVAL.
3. A MINIMUM OF SEVEN (7) DAY ADVANCED POSTING OF TRAFFIC CONTROL MEASURES SHALL BE MADE IN ALL AREAS REQUIRING LANE RESTRICTIONS AND TEMPORARY CLOSURES. TRAFFIC CONTROL SIGNS SHALL INCLUDE THE DATE OF ANY TEMPORARY LANE CONTROL.
4. THE CONTRACTOR SHALL NOTIFY THE CITY OF ELWOOD FIRE DEPARTMENT (765-552-3366), CITY OF ELWOOD STREET DEPARTMENT (765-552-2711), CITY OF ELWOOD POLICE DEPARTMENT (764-552-3376), CITY OF ELWOOD UTILITIES (765-552-9844), CITY OF ELWOOD RECYCLE & SANITATION DEPARTMENT (765-552-7080), ELWOOD COMMUNITY SCHOOL CORPORATION - TRANSPORTATION DEPARTMENT (765-552-9861 EXT. 1008), MADISON COUNTY EMS DEPARTMENT (765-635-2017), MADISON COUNTY SHERIFF'S DEPARTMENT (765-641-9620) AT THE TIME OF THE ADVANCE POSTING OF TRAFFIC CONTROL MEASURES (SEVEN DAYS PRIOR TO CONSTRUCTION ACTIVITES).
5. THE CONTRACTOR SHALL COORDINATE WITH SCHOOL BUS ROUTES AND PROVIDE SAFE ACCESS DURING SCHOOL TRANSPORTATION HOURS.
6. THE CONTRACTOR SHALL NOTIFY THE CITY OF ELWOOD, ELWOOD COMMUNITY SCHOOL CORPORATION, AND THE MADISON COUNTY HIGHWAY DEPARTMENT AT LEAST 24-HOURS IN ADVANCE OF THE START OF CONSTRUCTION WITHIN AND ADJACENT TO THE RIGHT-OF-WAY.
7. THE CONTRACTOR SHALL PROVIDE SIGNS THAT INDICATE PATHWAY AND WALKWAY CLOSURES, IF APPLICABLE. ADDITIONALLY, THE CONTRACTOR SHALL INSTALL CONSTRUCTION FENCING AT THE POINTS OF PATHWAY AND WALKWAY CLOSURES, WHEN APPLICABLE.
8. THE CONTRACTOR SHALL MAINTAIN A DRIVABLE MARKED ROUTE THROUGH THE CONSTRUCTION AREA AT ALL TIMES FOR EMERGENCY EQUIPMENT AND LOCAL DRIVE ACCESS. DURING CONSTRUCTION HOURS, THE CONTRACTOR SHALL HAVE PERSONNEL POSTED AT EACH CLOSURE LOCATION TO DIRECT LOCAL TRAFFIC AND EMERGENCY EQUIPMENT INTO AND OUT OF THE PROJECT AREA. AFTER HOURS, THE DRIVABLE ROUTE SHALL BE CLEARLY MARKED WITH ALL DISTURBED AREAS BARRICADED WITH FLASHERS. ANY OPEN EXCAVATION AFTER HOURS SHALL BE PHYSICALLY PROTECTED WITH CONCRETE BARRIER WALLS, STEEL PLATES, ETC. AND SIGNED ACCORDINGLY.
9. CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC OPEN AT ALL TIMES.

DCCM

BID SET

ELWOOD WATER SYSTEM IMPROVEMENTS

ELWOOD, INDIANA, 46036

#	Revision	Date

Project #: 400-6313
Designed By: CLC/RJPA
Drawn By: RLH
Checked By: ALC
Date: 01/30/2026

RICARDO JUAN PAREDES ANDONIE
REGISTERED
No. 11900824
STATE OF INDIANA
PROFESSIONAL ENGINEER

MAINTENANCE OF TRAFFIC DETAILS

C500

PRINT DATE: 2/11/26
PLOT SCALE: 1:1 EDIT DATE: 11/17/25 - 2:58 PM EDITED BY: RHUNT DRAWING FILE: P:\400-6313 ELWOOD WATER SYSTEM IMPROVEMENTS\5 ACAD\PLAN SHEETS\400631 3 MAINTENANCE OF TRAFFIC DETAILS.DWG