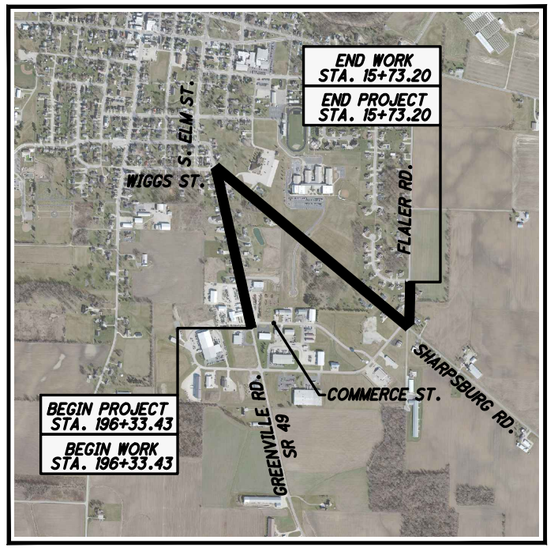


LOCATION MAP

LATITUDE: 40°24'20" N LONGITUDE: 84°46'18" W

SCALE IN MILES

0 0.25 0.50 0.75 1

N

PORTION TO BE IMPROVED _____

STATE & FEDERAL ROUTES _____

OTHER ROADS _____

DESIGN DESIGNATION	GREENVILLE ROAD (SR 49)	SHARPSBURG ROAD
CURRENT ADT (2026)	1800	700
DESIGN YEAR ADT (2046)	2100	800
DESIGN HOURLY VOLUME (2046)	252	96
DIRECTIONAL DISTRIBUTION	0.55	0.55
TRUCKS (24 HOUR B&C)	360	20
DESIGN SPEED	40 MPH	30 MPH
LEGAL SPEED	35 MPH	25 MPH

DESIGN FUNCTIONAL CLASSIFICATION:

GREENVILLE ROAD (SR 49) - MAJOR COLLECTOR
SHARPSBURG ROAD - LOCAL
FLALER ROAD - LOCAL
FT. RECOVERY DAIRY - LOCAL

DESIGN EXCEPTIONS: NONE REQUIRED

ADA DESIGN WAIVERS: NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:

ChoiceOne Engineering
440 E. HOEWISHER ROAD ♦ SIDNEY, OHIO 45365 ♦ 937.497.0200
8956 GLENDALE MILFORD ROAD, SUITE 1 ♦ LOVELAND, OHIO 45140 ♦ 513.239.8554
www.CHOICEONEENGINEERING.com

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MER-FT. RECOVERY SIDEWALKS

VILLAGE OF FORT RECOVERY
MERCER COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2
TYPICAL SECTIONS	3-5
GENERAL NOTES	6-7
MAINTENANCE OF TRAFFIC NOTES	8
GENERAL SUMMARY	9-11
SUBSUMMARY - ROADWAY	12
SUBSUMMARY - DRIVES	13
SUBSUMMARY - DRAINAGE, WATERWORKS, SANITARY, EROSION CONTROL	14
PROJECT SITE PLAN	15-16
PLAN AND PROFILE - GREENVILLE ROAD/SR 49	17-21
PLAN AND PROFILE - SHARPSBURG ROAD	22-28
PLAN AND PROFILE - FLALER ROAD	29-30
PLAN AND PROFILE - FT. RECOVERY DAIRY	31
CROSS SECTIONS - GREENVILLE ROAD/SR 49	32-44
CROSS SECTIONS - SHARPSBURG ROAD	45-61
CROSS SECTIONS - FLALER ROAD	62-64
CROSS SECTIONS - FT. RECOVERY DAIRY	65
CURB RAMP DETAILS	66-67
SUBSUMMARY - PAVEMENT MARKING	68
SUBSUMMARY - SIGNAGE	69
TRAFFIC CONTROL - GREENVILLE ROAD/SR 49	70-72
TRAFFIC CONTROL - SHARPSBURG ROAD	73-76
TRAFFIC CONTROL - FLALER ROAD	77
SUBSUMMARY - LIGHTING	78
LIGHTING NOTES	79-80
LIGHTING PLAN - GREENVILLE ROAD AND SHARPSBURG ROAD	81-82
LIGHTING PLAN - SHARPSBURG ROAD AND SPY RUN	83-84

STAGE 3 SUBMITTAL - NOVEMBER 8, 2024

FEDERAL PROJECT NO.
E230(446)

RAILROAD INVOLVEMENT
(NONE)

PROJECT DESCRIPTION

THE PROJECT SCOPE INVOLVES THE CONSTRUCTION OF A NEW SIDEWALK ON GREENVILLE ROAD (STATE ROUTE 49), SHARPSBURG ROAD, AND FLALER ROAD IN THE VILLAGE OF FORT RECOVERY, MERCER COUNTY, OHIO. THE PROJECT LENGTH IS APPROXIMATELY 1.12 MILES.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	1.15 ACRES
ESTIMATED CONTRACTOR E.D.A.:	0.10 ACRES
NOTICE OF INTENT E.D.A.:	1.25 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE SET FORTH ON THE PLANS AND ESTIMATES.

John W. O'Brien
District 07 Deputy Director

Pamela Boratyn
Director, Department of Transportation

ENGINEERS SEAL	ENGINEERS SEAL
FOR LIGHTING PLAN	FOR ENTIRE PLAN EXCEPT LIGHTING
STATE OF OHIO BRADLEY M. WALTERBUSCH 89311 REGISTERED PROFESSIONAL ENGINEER	STATE OF OHIO WESLEY J. WOLTERS 86760 REGISTERED PROFESSIONAL ENGINEER
SIGNED: _____	SIGNED: _____
DATE: _____	DATE: _____

DATES TO BE ADDED PRIOR TO FINAL TRACINGS SUBMITTAL

OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-4.1	XX/XX/XX	HL-10.11	XX/XX/XX	TC-41.20	XX/XX/XX			800	XX/XX/XX	
BP-5.1	XX/XX/XX	HL-10.12	XX/XX/XX	TC-42.20	XX/XX/XX			813	XX/XX/XX	
BP-7.1	XX/XX/XX	HL-10.13	XX/XX/XX	TC-74.10	XX/XX/XX			832	XX/XX/XX	
		HL-20.11	XX/XX/XX	TC-83.20	XX/XX/XX			913	XX/XX/XX	
CB-2-3	XX/XX/XX	HL-30.11	XX/XX/XX	TC-87.10	XX/XX/XX			916	XX/XX/XX	
CB-7	XX/XX/XX	HL-30.22	XX/XX/XX							
		HL-40.10	XX/XX/XX	MT-97.10	XX/XX/XX					
DM-1.1	XX/XX/XX	HL-40.20	XX/XX/XX	MT-101.90	XX/XX/XX					
DM-4.3	XX/XX/XX	HL-60.12	XX/XX/XX	MT-105.10	XX/XX/XX					
DM-4.4	XX/XX/XX	HL-60.31	XX/XX/XX	MT-110.10	XX/XX/XX					

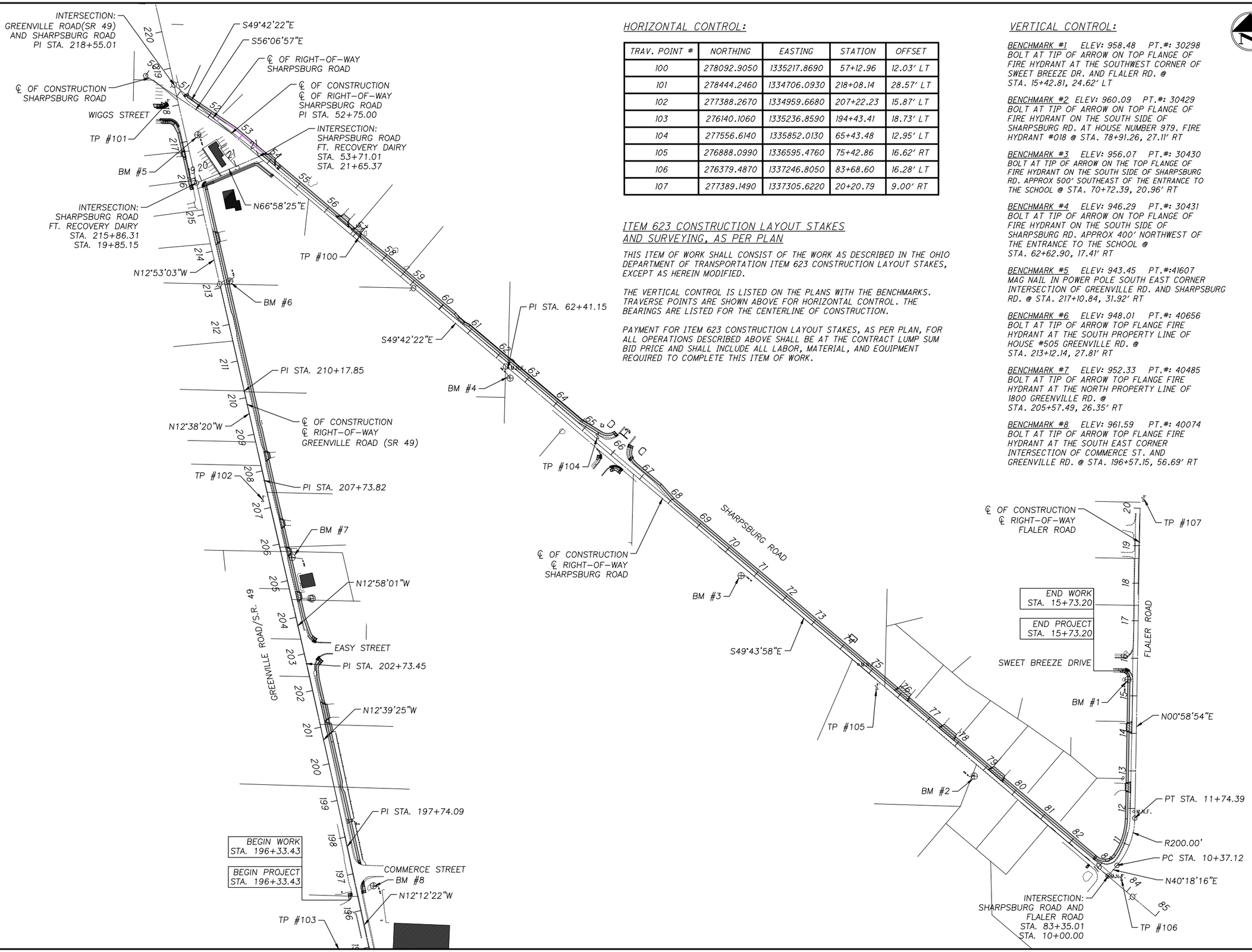
TITLE SHEET

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P:1 TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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HORIZONTAL CONTROL:

TRAV. POINT #	NORTHING	EASTING	STATION	OFFSET
100	278092.9050	1335217.8690	57+12.96	12.03' LT
101	278444.2460	1334706.0930	218+08.14	28.57' LT
102	277388.2670	1334959.6680	207+22.23	15.87' LT
103	276140.1060	1335236.8590	194+43.41	18.73' LT
104	277556.6140	1335852.0130	65+43.48	12.95' LT
105	276888.0990	1336595.4760	75+42.86	16.62' RT
106	276379.4870	1337246.8050	83+68.60	16.28' LT
107	277389.1490	1337305.6220	20+20.79	9.00' RT

ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN THE OHIO DEPARTMENT OF TRANSPORTATION ITEM 623 CONSTRUCTION LAYOUT STAKES, EXCEPT AS HEREIN MODIFIED.

THE VERTICAL CONTROL IS LISTED ON THE PLANS WITH THE BENCHMARKS. TRAVERSE POINTS ARE SHOWN ABOVE FOR HORIZONTAL CONTROL. THE BEARINGS ARE LISTED FOR THE CENTERLINE OF CONSTRUCTION.

PAYMENT FOR ITEM 623 CONSTRUCTION LAYOUT STAKES, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

VERTICAL CONTROL:

BENCHMARK #1 ELEV: 958.48 PT.#: 30298
BOLT AT TIP OF ARROW ON TOP FLANGE OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF SWEET BREEZE DR. AND FLALER RD. @ STA. 15+42.81, 24.62' LT

BENCHMARK #2 ELEV: 960.09 PT.#: 30429
BOLT AT TIP OF ARROW ON TOP FLANGE OF FIRE HYDRANT ON THE SOUTH SIDE OF SHARPSBURG RD. AT HOUSE NUMBER 979. FIRE HYDRANT #018 @ STA. 78+91.26, 27.11' RT

BENCHMARK #3 ELEV: 956.07 PT.#: 30430
BOLT AT TIP OF ARROW ON THE TOP FLANGE OF FIRE HYDRANT ON THE SOUTH SIDE OF SHARPSBURG RD. APPROX 500' SOUTHEAST OF THE ENTRANCE TO THE SCHOOL @ STA. 70+72.39, 20.96' RT

BENCHMARK #4 ELEV: 946.29 PT.#: 30431
BOLT AT TIP OF ARROW ON TOP FLANGE OF FIRE HYDRANT ON THE SOUTH SIDE OF SHARPSBURG RD. APPROX 400' NORTHWEST OF THE ENTRANCE TO THE SCHOOL @ STA. 62+62.90, 17.41' RT

BENCHMARK #5 ELEV: 943.45 PT.#:41607
MAG NAIL IN POWER POLE SOUTH EAST CORNER INTERSECTION OF GREENVILLE RD. AND SHARPSBURG RD. @ STA. 217+10.84, 31.92' RT

BENCHMARK #6 ELEV: 948.01 PT.#: 40656
BOLT AT TIP OF ARROW TOP FLANGE FIRE HYDRANT AT THE SOUTH PROPERTY LINE OF HOUSE #505 GREENVILLE RD. @ STA. 213+12.14, 27.81' RT

BENCHMARK #7 ELEV: 952.33 PT.#: 40485
BOLT AT TIP OF ARROW TOP FLANGE FIRE HYDRANT AT THE NORTH PROPERTY LINE OF 1800 GREENVILLE RD. @ STA. 205+57.49, 26.35' RT

BENCHMARK #8 ELEV: 961.59 PT.#: 40074
BOLT AT TIP OF ARROW TOP FLANGE FIRE HYDRANT AT THE SOUTH EAST CORNER INTERSECTION OF COMMERCE ST. AND GREENVILLE RD. @ STA. 196+57.15, 56.69' RT

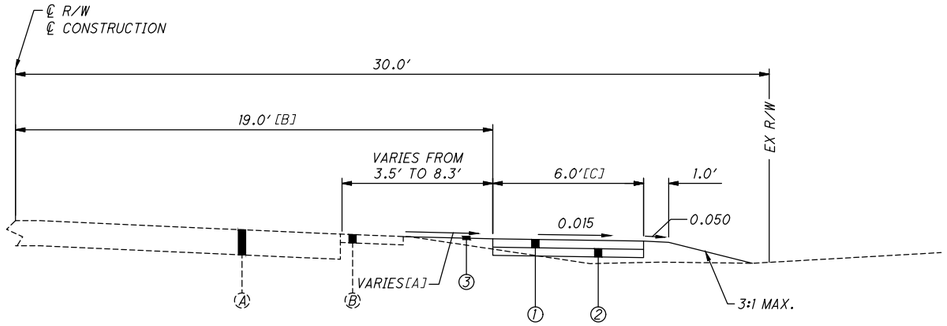
HORIZONTAL SCALE IN FEET
0 60 120 240

SCHEMATIC PLAN

MER - FT. RECOVERY SIDEWALKS

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P:2 TOTAL 84

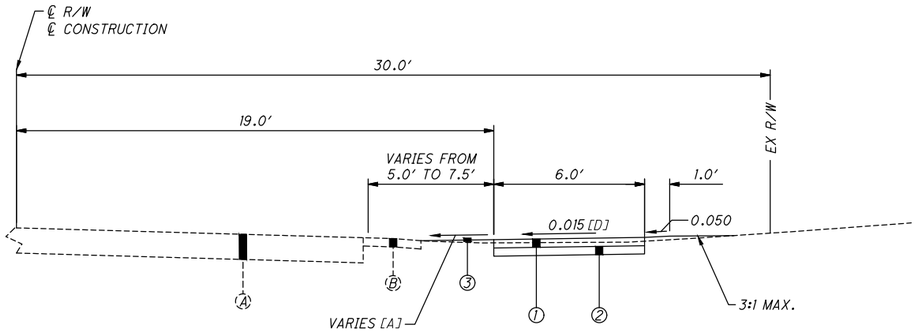
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TYPICAL SECTION #1 - GREENVILLE ROAD/SR 49

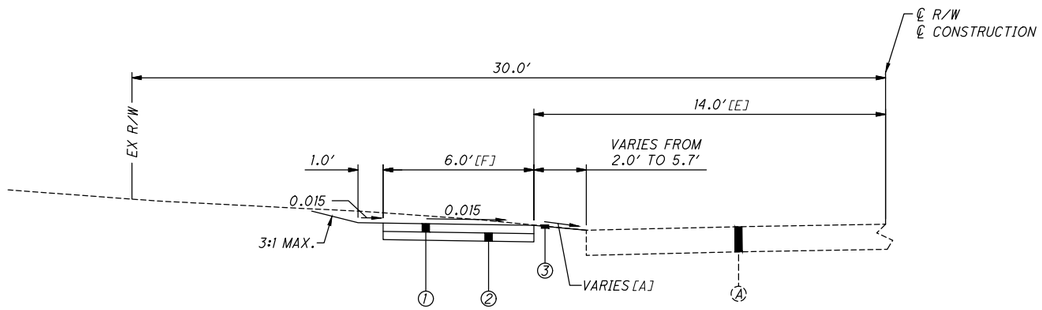
STA. 197+31.62 TO 201+59.95 = 428.33′

STA. 203+36.00 TO 215+63.74 = 1227.74′



TYPICAL SECTION #2 - GREENVILLE ROAD/SR 49

STA. 201+59.95 TO 202+68.26 = 108.31′



TYPICAL SECTION #3 - GREENVILLE ROAD/SR 49

STA. 215+84.66 TO 217+59.49 = 174.83′

[A] SEE CROSS SECTIONS FOR MORE DETAILS

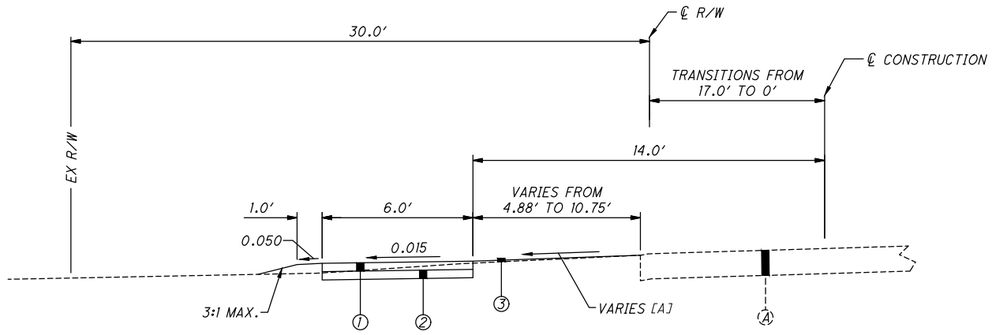
[B] MODIFIED TO 17.0′ FROM 199+26.3 TO 199+36.3. MODIFIED TO 17.0′ FROM 209+22.3 TO 209+32.3.

[C] MODIFIED TO 5.0′ FROM 199+26.6 TO 199+36.3. MODIFIED TO 5.0′ FROM 209+22.3 TO 209+32.3.

[D] WALK TRANSITIONS FROM -1.50% TO 1.50% FROM STA. 201+59.95 TO 201+92.95.

[E] OFFSET TRANSITIONS FROM 14.0′ TO 13.5′ FROM STA. 216+05 TO 216+55.

[F] WALK WIDTH BECOMES 8′ AND ATTACHED TO PROP. CURB AT STATION 217+42.66.



TYPICAL SECTION #4 - SHARPSBURG ROAD

STA. 51+20.83 TO 52+75.00 = 154.17′

HATCH LEGEND FOR PLANS

FULL DEPTH PAVEMENT
- ITEM 441 - 1.25″ ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)
- ITEM 441 - 1.75″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)
- ITEM 301 - 6″ ASPHALT CONCRETE BASE, PG64-22 (449) (2 EQUAL LIFTS)
- ITEM 304 - 6″ AGGREGATE BASE (2 EQUAL LIFTS)

ASPHALT DRIVEWAYS
- ITEM 441 - 1.25″ ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)
- ITEM 441 - 2.75″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ITEM 304 - 6″ AGGREGATE BASE

RESIDENTIAL CONCRETE DRIVEWAYS
- ITEM 452 - 6″ NON-REINFORCED CONCRETE PAVEMENT
- ITEM 304 - 3″ AGGREGATE BASE

COMMERCIAL CONCRETE DRIVEWAYS
- ITEM 452 - 9″ NON-REINFORCED CONCRETE PAVEMENT
- ITEM 411 - 3″ AGGREGATE BASE

GRAVEL DRIVEWAYS
- ITEM 304 - 12″ AGGREGATE BASE

WALK REMOVED OR PAVEMENT REMOVED AND RE-SEEDED
- ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ITEM 653 - 6″ TOPSOIL FURNISHED AND PLACED

PROPOSED CURB RAMP
- ITEM 608 - CURB RAMP
- ITEM 411 - 3″ STABILIZED CRUSHED AGGREGATE

SIDEWALK
- ITEM 608 - 4″ CONCRETE WALK, AS PER PLAN
- ITEM 411 - 3″ STABILIZED CRUSHED AGGREGATE

VEGETATED FILTER STRIP (VFS) LOCATION
- ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ITEM 653 - 4″ TOPSOIL FURNISHED AND PLACED
- ITEM 670 - SLOPE EROSION PROTECTION

LEGEND (ALL TYPICAL SHEETS)

- (A) - EXISTING ASPHALT AND BASE (UNKNOWN DEPTH)
- (B) - EXISTING AGGREGATE SHOULDER (UNKNOWN DEPTH)
- (1) - ITEM 608 - 4″ CONCRETE WALK, AS PER PLAN
- (2) - ITEM 411 - 3″ STABILIZED CRUSHED AGGREGATE
- (3) - ITEM 659 - SEEDING AND MULCHING, CLASS 1

ABBREVIATION LEGEND (ALL PLAN SHEETS)

(ATG)	-	ADJUST TO GRADE
(DND)	-	DO NOT DISTURB
(RTG)	-	RECONSTRUCT TO GRADE
(RL)	-	TO BE RELOCATED
(R&R)	-	REMOVE AND RELOCATE
(TBR)	-	TO BE REMOVED
(BO)	-	BY OTHERS
FW	-	PROPOSED FACE OF WALK ELEVATION
D	-	PROPOSED DITCH ELEVATION
HP	-	PROPOSED DITCH HIGH POINT ELEVATION
RRFB	-	RECTANGULAR RAPID FLASHING BEACON

SYMBOLS LEGEND (ALL PLAN SHEETS)

STM MH (ATG)

STM MH (RTG)

CONST. LIMITS

TREE/STRUCTURE REMOVED

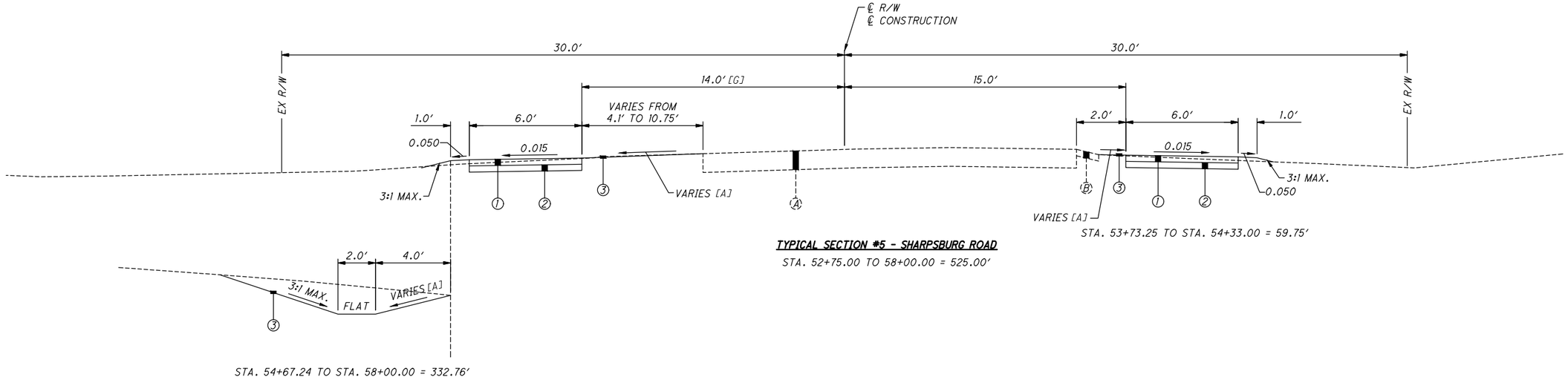
TYPICAL SECTIONS

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.3 TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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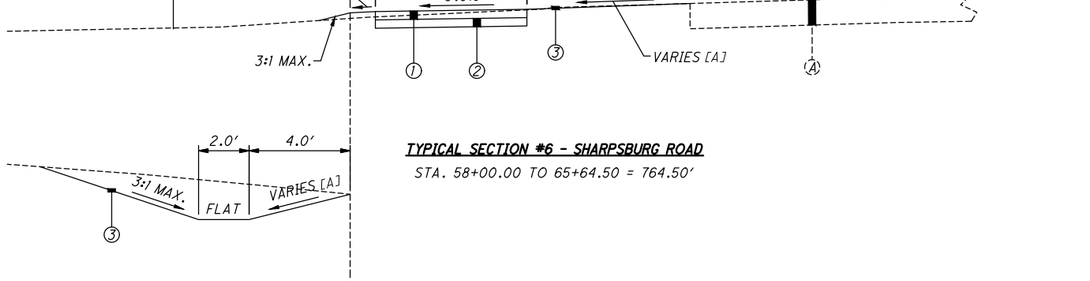


TYPICAL SECTION #5 - SHARPSBURG ROAD

STA. 52+75.00 TO 58+00.00 = 525.00′

STA. 53+73.25 TO STA. 54+33.00 = 59.75′

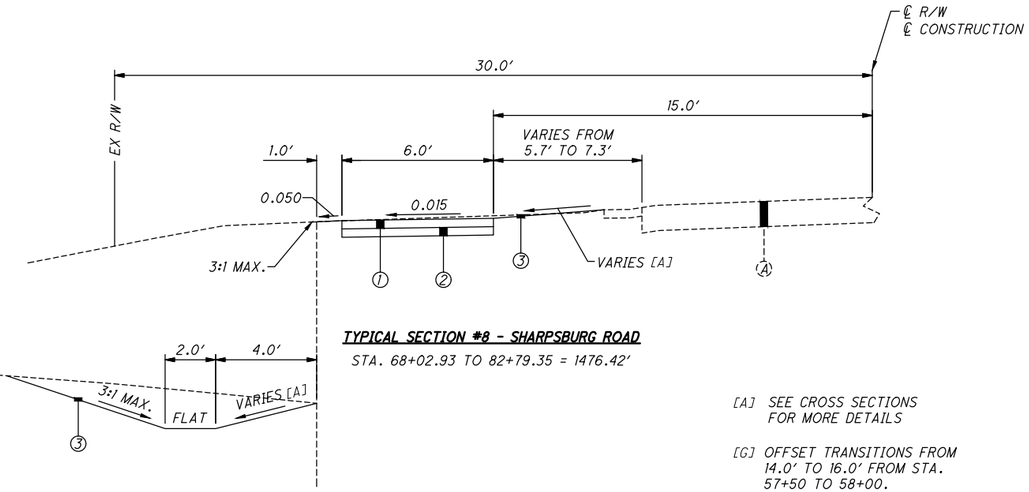
STA. 54+67.24 TO STA. 58+00.00 = 332.76′



TYPICAL SECTION #6 - SHARPSBURG ROAD

STA. 58+00.00 TO 65+64.50 = 764.50′

STA. 58+00.00 TO STA. 60+34.30 = 234.30′



TYPICAL SECTION #8 - SHARPSBURG ROAD

STA. 68+02.93 TO 82+79.35 = 1476.42′

STA. 74+43.00 TO STA. 77+39.00 = 296.00′

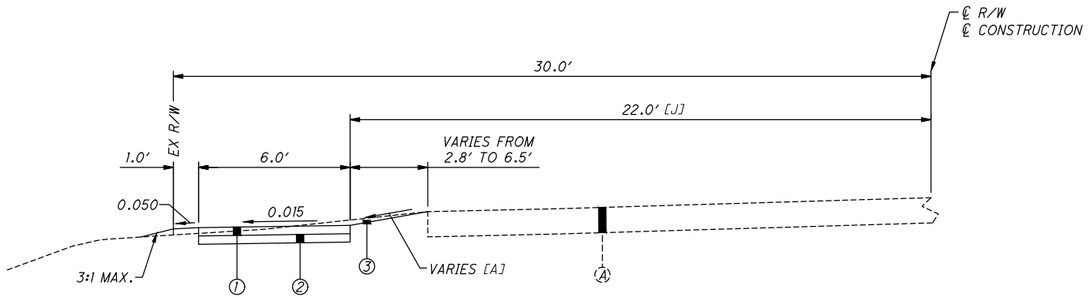
[A] SEE CROSS SECTIONS FOR MORE DETAILS

[G] OFFSET TRANSITIONS FROM 14.0′ TO 16.0′ FROM STA. 57+50 TO 58+00.

[H] MODIFIED TO 9.0′ FROM 62+35.7 TO 62+40.7.

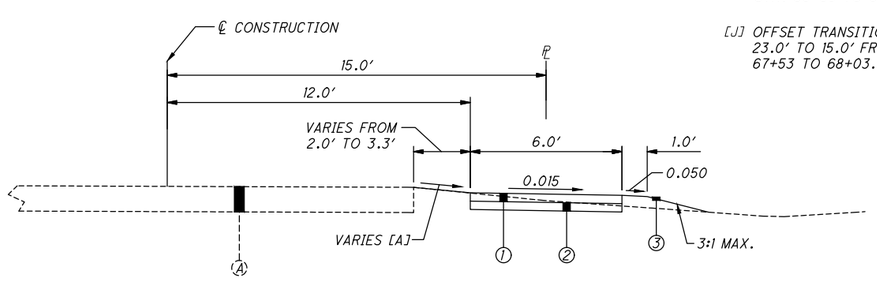
[I] MODIFIED TO 13.0′ FROM STA. 60+55 TO 60+75.

[J] OFFSET TRANSITIONS FROM 23.0′ TO 15.0′ FROM STA. 67+53 TO 68+03.



TYPICAL SECTION #7 - SHARPSBURG ROAD

STA. 66+32.87 TO 68+02.93 = 170.06′



TYPICAL SECTION #9 - FT. RECOVERY DAIRY

STA. 20+27.64 TO 21+44.26 = 116.62′

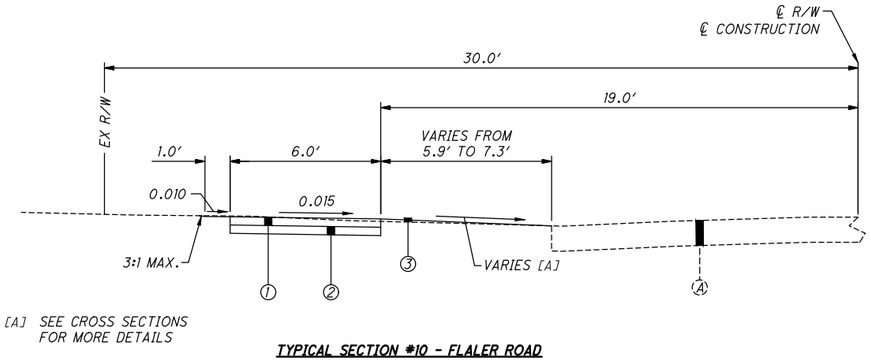
MER - FT. RECOVERY SIDEWALKS

TYPICAL SECTIONS

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.4
TOTAL	84

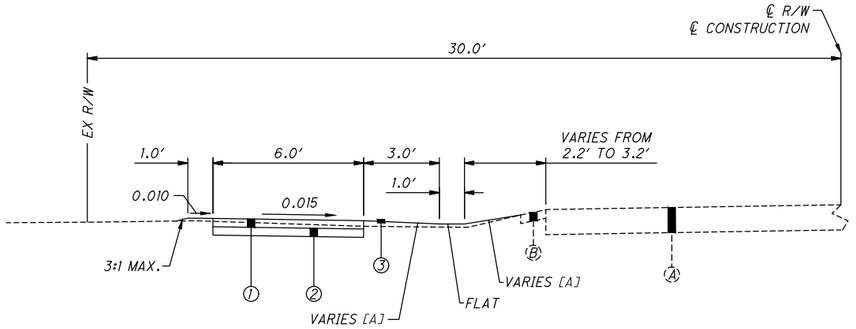
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[A] SEE CROSS SECTIONS FOR MORE DETAILS

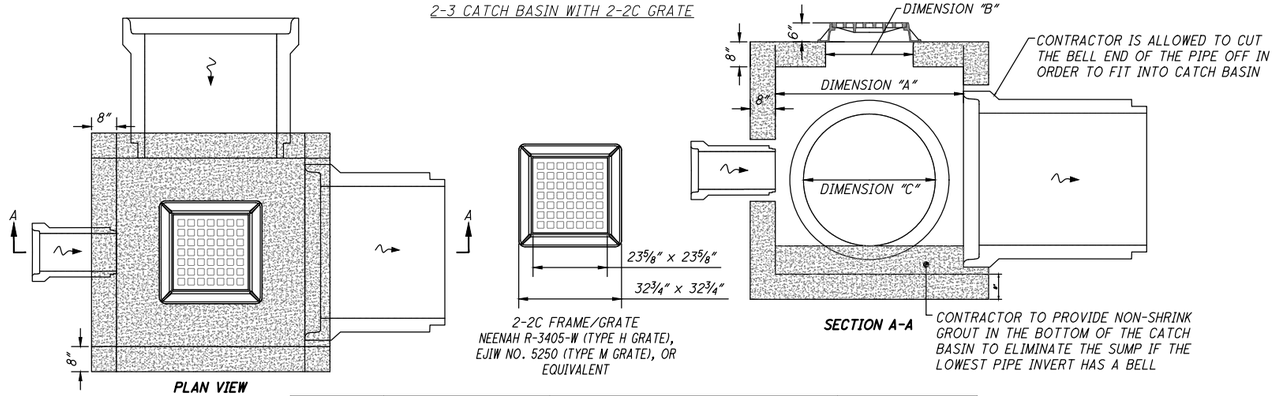
TYPICAL SECTION #10 - FLALER ROAD

STA. 10+14.96 TO 14+29.72 = 414.76'



TYPICAL SECTION #10 - FLALER ROAD

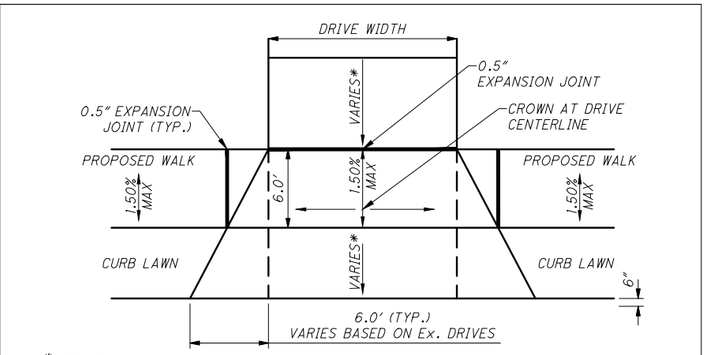
STA. 14+29.72 TO 15+52.77 = 123.05'



CB SIZE	DIMENSION "A"	DIMENSION "B"	DIMENSION 'C"
2-3	3'-0" x 3'-0"	2'-0" x 2'-0" (2-2C GRATE)	12" - 24"

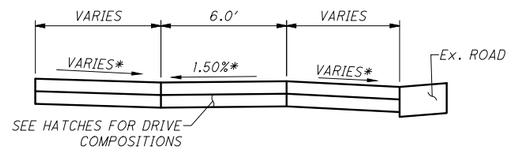
NOTES

A. LOCATION AND ELEVATIONS WHEN GIVEN ON THE PLANS IS TOP CENTER OF THE GRATE.
B. FRAME AND GRATE FOR PAVED AREAS SHALL BE NEENAH CATALOG NO. R-3405 OR EAST JORDAN IRON WORKS NO. 5250 OR EQUIVALENT. CONTRACTOR SHALL FASTEN/BOLT DOWN GRATE TO BASIN TO ENSURE GRATE IS SECURELY FASTENED IN PLACE.
C. REINFORCING STEEL BAR # AND SPACING IN TOP SLAB SHALL FOLLOW ODOT SCD CB-1.2/1.3.
D. CONCRETE, CAST-IN-PLACE, TO BE ODOT QC 1. PRECAST CONSTRUCTION IS PERMITTED AND CONCRETE SHALL MEET THE REQUIREMENTS OF 706.13.
E. PIPE TO INTRUDE INTO CATCH BASIN 1" MAXIMUM AND PIPE MUST BE CUT PARALLEL TO CATCH BASIN. USE NON-SHRINK GROUT AROUND PIPE TO SEAL BETWEEN PIPE AND CATCH BASIN.



* SEE CROSS SECTIONS FOR MORE DETAILS

TYPICAL DRIVE PLAN - WITH CURB LAWN



TYPICAL DRIVE PROFILE WITH CURB LAWN

TYPE 6 BARRIER CURB

TYPE 2 COMBINATION CURB AND GUTTER

T=6" LOCAL AND COLLECTOR
T=9" COMMERCIAL, INDUSTRIAL, AND ARTERIAL

4" SHALLOW PIPE UNDERDRAIN DETAIL

(ONLY AS REQUIRED BY THE VILLAGE)

NOTES

A. CONCRETE AND WORK SHALL MEET THE REQUIREMENT SET FORTH IN ODOT ITEM 609 CURBING. VILLAGE INSPECTION OF FORMS IS REQUIRED PRIOR TO POURING CONCRETE.

B. CURBING SHALL HAVE CONTRACTION JOINTS EVERY 10'.

C. MINIMUM OF 6" OF ODOT 304 SHALL BE PLACED UNDER CURBING.

D. CURBING SHALL BE BACKFILLED IMMEDIATELY AFTER FORMS ARE REMOVED OR AS SOON AS PRACTICAL WHEN SLIP FORMING PRIOR TO OTHER CONSTRUCTION OPERATIONS.

E. PROVIDE BROOM FINISH AND EDGING TO ALL EXPOSED SURFACES.

F. APPLY WHITE PIGMENTED CURING COMPOUND ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES. ANY OTHER METHOD OR TYPE OF CURING COMPOUND MUST BE PREAPPROVED.

G. CONCRETE SHALL BE ODOT CLASS QC1.

H. CONCRETE SHALL CONTAIN 6% ± ± 2% OF AIR ENTRANEMENT.

I. TYPE 6 CURBS ARE FOR USE AROUND MEDIAN SECTION.

J. MINIMUM TYPE AND GRADE OF CURB SHALL BE DETERMINED BY THE VILLAGE.

K. UNLESS OTHERWISE SPECIFIED BY THE VILLAGE, 6 " OF 304 AGGREGATE SHALL BE PLACED UNDER CURBING AND EXTEND 12" BEHIND BACK OF CURB.

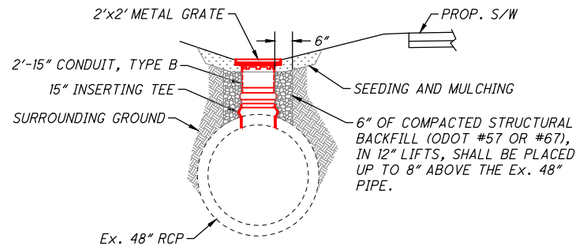
L. CURBING SHALL BE BACKFILLED IMMEDIATELY AFTER FORMS ARE REMOVED.

M. JOINT LOCATIONS:
CONTRACTION JOINTS EVERY 10'
EXPANSION JOINTS EVERY 100' (OR LESS AS DETERMINED BY THE VILLAGE), AT INTERSECTIONS, AND WHERE CURBING IS TO ABUT EXISTING CONCRETE WORK.

N. EXPANSION JOINTS SHALL BE PROFLEX VINYL EXPANSION JOINT AS MANUFACTURED BY OSCODA PLASTICS, INC. 1-800-544-9538, MEETING ASTM D-1752 AND AASHTO 153-98.

O. ALL UNDERGROUND UTILITY LATERALS SHALL BE MARKED IN THE TOP OF CURB WHILE IT IS BEING POURED AS FOLLOWS (UNLESS OTHERWISE DIRECTED BY THE VILLAGE):
"W" - WATER SERVICE
"SD" - STORM LATERAL
"S" - SANITARY LATERAL

VILLAGE OF FORT RECOVERY	CONCRETE CURB DETAILS	REVISIONS:	DATE APPROVED: 04-21-2008
CHOICE ONE ENGINEERING			PAGE No. 300-4



NOTES

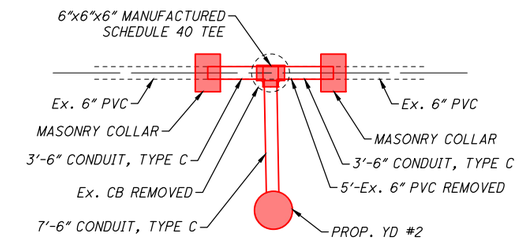
A. THE INSERTA TEE GASKETED CONNECTION FITTING TYPE SHALL MATCH THE STORM SEWER MAIN MATERIAL AND BE MANUFACTURED BY INSERTA FITTINGS CO. OR EQUAL.

B. RECOMMEND CUTTING HOLE WITH A DIAMOND BIT HOLE SAW FOR CONCRETE PIPE. THE HOLE SAW SIZE SHOULD FOLLOW THE MANUFACTURERS RECOMMENDATIONS. CONTRACTOR IS RESPONSIBLE TO FIX ANY LOOSE CONNECTIONS DUE TO IMPROPER HOLE SIZE.

C. INSERTA TEE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

D. STRUCTURAL BACKFILL AROUND TEE CONNECTION SHALL BE WASHED NATIVE GRAVEL, PER ODOT 703.11, TYPE 3 (#57, #67). BACKFILL SHALL BE PLACED UP TO 8" ABOVE EX. 48" PIPE.

ITEM 611 YARD DRAIN, AS PER PLAN DETAIL
STATION 54+67



TIE-IN DETAIL: STATION 204+40

MER - FT. RECOVERY SIDEWALKS

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TYPICAL SECTIONS

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.5 | TOTAL 84

MODIFICATIONS

ANY MODIFICATIONS TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ENGINEER.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON NAVD 88 (ODOT VRS GEOID 12B).

GENERAL NOTES AND DETAILS

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE VILLAGE OF FT. RECOVERY ENGINEERING STANDARDS AND SPECIFICATIONS OR OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS, WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE VILLAGE.

FUNDING

DUE TO FUNDING, THE OWNER RESERVES THE RIGHT TO INCREASE, DECREASE, OR OMIT ANY ITEMS LISTED IN THE BID SCHEDULE.

NO FINAL UNIT PRICE ADJUSTMENTS PER ODOT 104.02 WILL BE MADE AT CONTRACT FINALIZATION.

CONTRACT WORK PERFORMED BY THE VILLAGE

IF THE CONTRACTOR REFUSES OR FAILS TO PERFORM WORK OF ANY IMMEDIATE NATURE SUCH AS THE PLACEMENT OF BARRICADES, REPLACEMENT OF SIGNS, OR OTHER DEVICES, REQUIRED BY THIS CONTRACT IN A REASONABLE TIME, THE VILLAGE WILL PERFORM THE NECESSARY WORK. THE CONTRACTOR SHALL REIMBURSE THE VILLAGE AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE VILLAGE SHALL NOTIFY OR ATTEMPT TO NOTIFY THE CONTRACTOR OF THE NECESSITY TO PERFORM SUCH WORK. THE VILLAGE SHALL BE REIMBURSED BY A DEDUCTION FROM THE CONTRACTOR'S NEXT PAYMENT UNDER THE CONTRACT. REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE VILLAGE.

RECORD DRAWINGS

THE CONTRACTOR SHALL PROVIDE 2 COMPLETE SETS OF RECORD DRAWINGS TO THE VILLAGE WITHIN 30 DAYS OF PROJECT COMPLETION. THESE DRAWINGS SHALL SHOW ALL CHANGES TO THE ORIGINAL DRAWINGS, ALL MANHOLE AND CATCH BASIN LOCATIONS AND INVERTS, ALL LATERAL LOCATIONS AND DEPTHS, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION, AND ALL OTHER PERTINENT DATA TO THE IMPROVEMENTS. PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO THE OTHER ITEMS PAID FOR IN THIS PROJECT.

MISCELLANEOUS

COMPENSATION FOR THE WORK AS SHOWN ON THE PLANS SHALL BE AT THE UNIT PRICES INCLUDED ON THE BID PROPOSAL. NO SEPARATE PAYMENT WILL BE MADE FOR TASKS (NOT ALL INCLUSIVE) INCLUDING ITEMS SUCH AS MOBILIZATION, RECORD DRAWINGS AND CONNECTIONS TO EXISTING FACILITIES.

CONTRACTOR IS RESPONSIBLE TO FILL OUT ALL NECESSARY CO-PERMITTEE PERMITS FOR THE OEPA STORMWATER NOI.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. FURTHER, CHOICE ONE ENGINEERING CORPORATION DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH CHOICE ONE ENGINEERING CORPORATION DID LOCATE AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

UTILITY OWNERSHIP

STORM, SEWER, WATER, STREETS, AND TRAFFIC SIGNALS

VILLAGE OF FORT RECOVERY
201 S. MAIN STREET
PO BOX 340
FT. RECOVERY, OHIO 45846
ATTN: RANDY DILLER
(419) 733-2542

ODOT DISTRICT 7

1001 ST. MARYS AVENUE
SIDNEY, OHIO 45365
ATTN: JANIE HOLLINGSWORTH, P.E.
TRAFFIC OPERATIONS ENGINEER
ODOT DISTRICT 7 ROADWAY SERVICES
(937) 497-6897
TRANSPORTATION.OHIO.GOV

GAS

DOMINION OHIO
320 SPRINGSIDE DR., SUITE 320
AKRON, OHIO 44333
ATTN: MICHAEL NORTH
(330) 664-2575
W.MICHAEL.NORTH@DOMINIONENERGY.COM

CABLE

CHARTER COMMUNICATIONS
205 CRYSTAL STREET
FINDLAY, OHIO 45840
ATTN: JEREMY FIGURA
(614) 827-7974

TELEPHONE

CHARTER COMMUNICATIONS
205 CRYSTAL STREET
FINDLAY, OHIO 45840
ATTN: KEITH JONES
O-(419)-584-5183
C-(419)-303-5708
KEITH.JONES@CHARTER.COM

TELEPHONE

WABASH MUTUAL TELEPHONE
6670 WABASH ROAD
CELINA, OHIO 45822
ATTN: LANDO BRUNS
(419) 942-1111 EXT. 9316
LANDOB@WABASH.COM

ELECTRIC

AES OHIO
1900 DRYDEN ROAD
DAYTON, OHIO 45439
ATTN: WILLIAM WARD
(937) 554-9063
WILLIAM.WARD@AES.COM

OHIO UTILITIES PROTECTION SERVICES
2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE (1-800-362-2784)

UTILITY INTERFERENCE

IF, DURING CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE COMPANIES HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.

LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL UTILITIES, AND STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE METHOD OF SUPPORT OR PROTECTION MUST BE APPROVED BY THE APPROPRIATE UTILITY COMPANY, AND IF FACILITY IS DAMAGED BY THE CONTRACTOR, ALL REPAIRS SHALL BE MADE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS HEREBY ADVISED THAT ALL UTILITY COMPANIES AFFECTED BY THIS PROJECT MAY BE WORKING CONCURRENTLY WITHIN THE PROJECT LIMITS. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR COORDINATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE UTILITY COMPANIES.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND BEFORE FINAL ACCEPTANCE BY THE VILLAGE, REPRESENTATIVES OF THE VILLAGE AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWER THAT MAY BE AFFECTED BY THE WORK AND ARE TO REMAIN IN SERVICE. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE VILLAGE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE VILLAGE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE VILLAGE.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

EXISTING DRAINAGE FACILITIES

ANY DRAINAGE CONDUIT CURRENTLY CONNECTED TO THE EXISTING STORM SEWER SHALL BE CONNECTED TO THE PROPOSED STORM SEWER. ANY DRAINAGE CONDUIT DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. ALL CONDUIT REMOVED, REPLACED AND/OR CONNECTED TO THE STORM SEWER SHALL BE NOTED ON THE RECORD DRAWINGS AND SHALL BE INSPECTED BY THE VILLAGE BEFORE IT IS COVERED.

A CONCRETE COLLAR SHALL BE PROVIDED WHERE PROPOSED STORM SEWER PIPE IS CONNECTED TO AN EXISTING PIPE. THE COST SHALL BE INCLUDED IN THE BID PRICE FOR THE NEW CONDUIT.

ALL FIELD OR STORM DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS OR PLUGGED AS APPROVED AND DIRECTED BY THE VILLAGE. THE VILLAGE WILL ASSIST IN ANY NECESSARY INVESTIGATION OR DYE TESTING PRIOR TO APPROVING THE PLUGGING OF A FIELD OR STORM CONDUIT. COST OF THE ITEMS ABOVE SHALL BE INCLUDED IN THE COST OF ITEM 611 CONDUIT, TYPE B, 707.45, STORM REPAIR.

THE LOCATION, TYPE, SIZE, AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE VILLAGE OR VILLAGE'S REPRESENTATIVE DURING CONSTRUCTION, AND PAYMENT SHALL BE MADE ON FINAL MEASUREMENTS AND INCLUDE ALL MATERIALS NECESSARY SUCH AS GRANULAR BEDDING, PROPER FITTINGS AND CONNECTIONS, AND PIPE.

THE FOLLOWING CONTINGENT ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS FOR THE WORK NOTED ABOVE:

ITEM 611	TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	20 FEET
ITEM 611	TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	20 FEET
ITEM 611	TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	20 FEET
ITEM 611	TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	20 FEET

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION, OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE VILLAGE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT ANY EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE VILLAGE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE A PROJECT SUPERVISOR ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK.

COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF RELATED PAY ITEMS OF THIS PROJECT.

SAFETY

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

MUD

THE TRACKING OR SPILLING OF MUD, DIRT, OR DEBRIS UPON VILLAGE STREETS IS PROHIBITED, AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

GRAFFITI AND VANDALISM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ANY CONCRETE WORK OR OTHER PAY ITEM UNDER THIS CONTRACT WHICH IS DEEMED UNACCEPTABLE BY THE VILLAGE DUE TO GRAFFITI OR VANDALISM DAMAGE.

PROPERTY POINTS AND SURVEY MONUMENTS

CARE SHALL BE TAKEN BY THE CONTRACTOR TO SAFEGUARD ANY PROPERTY POINTS OR OTHER SURVEY REFERENCE MARKS ENCOUNTERED DURING CONSTRUCTION OF THIS PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESET ANY PROPERTY POINT OR SURVEY MONUMENT WHICH IS DISTURBED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. THE PROPERTY POINTS AND SURVEY MONUMENTS SHALL BE RESET UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR.

PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO THE OTHER ITEMS PAID FOR IN THIS PROJECT.

DEWATERING, COFFERDAMS, AND BY-PASS PUMPING

ANY DEWATERING, COFFERDAMS, OR PUMPING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS. NO ADDITIONAL PAYMENT WILL BE ALLOWED.

NONRUBBER TIRE VEHICLES

NO NONRUBBER TIRE VEHICLES SHALL BE MOVED ON VILLAGE STREETS. EXCEPTIONS MAY BE GRANTED BY THE VILLAGE WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE VILLAGE. THE CONTRACTOR SHALL USE EXTREME CARE WHEN OPERATING NONRUBBER TIRE VEHICLES ON STREETS OR DRIVEWAYS TO AVOID MARKING OR DAMAGING THE PAVEMENT. PROTECTION OF THE PAVEMENT FROM DAMAGE RESULTING FROM THE TRACKS OF NONRUBBER TIRE VEHICLES UTILIZED IN TRENCH EXCAVATION SHALL BE REQUIRED. A WOOD PLANK SYSTEM, USED TIRES, RUBBER MATS, OR OTHER MEANS AS APPROVED BY THE VILLAGE'S REPRESENTATIVE SHALL BE USED TO PROTECT THE PAVEMENT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

CONSTRUCTION NOISE

IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICES SHALL NOT BE OPERATED BETWEEN THE HOURS SPECIFIED IN THE VILLAGE NOISE ORDINANCE. IF THERE IS NO NOISE ORDINANCE IN PLACE, POWER-OPERATED CONSTRUCTION-TYPE DEVICES SHALL NOT BE OPERATED BETWEEN THE HOURS OF 7:00 PM TO 7:00AM.

HAUL ROADS

WHEN PICKING A DUMP SITE, CONTRACTOR IS TO TAKE INTO CONSIDERATION THE HAUL ROAD ROUTE AND ANY NECESSARY ROADWAY REPAIR CAUSED BY HAULING TO THE DUMP SITE.

PRIOR TO HAULING EQUIPMENT OR MATERIALS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE VILLAGE OF THE SPECIFIC ROADS OR STREETS ON THE HAUL ROUTE. IF THE HAUL ROUTE INCLUDES ROADS AND STREETS THAT ARE NOT UNDER THE JURISDICTION AND CONTROL OF THE VILLAGE OR OF THE STATE, THE CONTRACTOR MUST USE LOCAL ROADS AND STREETS THAT ARE NOT RESTRICTED BY LOCAL AUTHORITIES. IF IT IS DETERMINED BY THE VILLAGE THAT THE HAUL ROADS USED TO HAUL EQUIPMENT AND MATERIALS TO THE DUMP SITE WERE DAMAGED FROM THIS OPERATION, THE VILLAGE WILL ORDER THE CONTRACTOR TO PERFORM IMMEDIATE AND PRACTICAL REPAIRS TO ENSURE REASONABLY NORMAL TRAVELING CONDITIONS AND BRING PAVEMENT CONDITIONS BACK TO CONDITIONS EQUAL OR BETTER THAN PRE-OPERATION CONDITIONS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL TAKE ALL THIS INTO CONSIDERATION WHEN PICKING A DUMP SITE.

THE CONTRACTOR SHALL NOT FILE A CLAIM FOR DELAYS OR OTHER IMPACTS TO THE WORK CAUSED BY DISPUTE WITH THE LOCAL AUTHORITIES REGARDING THE USE OF LOCAL ROADS OR STREETS AS HAUL ROADS. THE CONTRACTOR SHALL SAVE THE VILLAGE AND THE STATE HARMLESS FOR ANY CLOSURES OR HAULING RESTRICTION OUTSIDE THE PROJECT LIMITS BEYOND THE CONTROL OF THE VILLAGE OR ODOT.

DROP OFF IN WORK ZONES

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3" BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. CONTRACTOR SHALL HAVE ONSITE STEEL PLATES FOR MAINTENANCE OF TRAFFIC AS DEEMED NECESSARY BY THE VILLAGE IF THE 3" TOLERANCE IS NOT MET. CONTRACTOR SHALL ALSO PROVIDE ANY DRIVEWAY RAMPING NEEDED DURING PAVEMENT REMOVAL.

CONTROL OF SPILLS

BEST CONSTRUCTION PRACTICES ARE TO BE IMPLEMENTED TO MINIMIZE WATER QUALITY IMPACTS. IDLE EQUIPMENT, PETROCHEMICALS, AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE STORED NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. REFUELING SHALL NOT BE UNDERTAKEN NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. A SPILL CONTAINMENT KIT IS TO BE MAINTAINED ONSITE THROUGHOUT CONSTRUCTION ACTIVITIES. SPILLS OF FUELS, OILS, CHEMICALS, OR OTHER MATERIALS WHICH COULD POSE A THREAT TO GROUNDWATER SHALL BE CLEANED UP IMMEDIATELY. IF THE SPILL IS A REPORTABLE AMOUNT, THE LOCAL FIRE DEPARTMENT IS TO BE CONTACTED.

GENERAL NOTES

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.6 TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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WORK LIMITS

ALL WORK SHALL BE WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY AND/OR CONSTRUCTION LIMITS UNLESS OTHERWISE INSTRUCTED BY THE VILLAGE.

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

TESTING AND CERTIFICATION

PROVIDE TESTING OF AND CERTIFICATION THAT MATERIAL SUPPLIED FOR THIS PROJECT MEETS THE PROJECT SPECIFICATIONS, IF REQUIRED.

POTENTIAL ITEMS FOR TESTING CONSIST OF TRENCH BACKFILL, EMBANKMENT, AND CONCRETE, WHICH MAY BE PERFORMED BY THE VILLAGE IF THEY SUSPECT DEFECTIVE WORK OR MATERIALS.

PAYMENT FOR CERTIFICATION OF WORK SHALL BE INCIDENTAL TO THE VARIOUS ITEMS IT IS RELATED TO AND SHALL INCLUDE ALL COST RELATED TO PROVIDING THE CERTIFICATION. COST OF ANY TESTING BY A TESTING LAB CONTRACTED BY THE VILLAGE SHALL BE BORNE BY THE VILLAGE, UNLESS THE TEST DOES NOT MEET PROJECT SPECIFICATIONS OR WORK IS FOUND TO BE DEFECTIVE, AT WHICH POINT, THE CONTRACTOR SHALL PAY THE EXPENSES FOR TESTING.

CAD FILE DISCLAIMER

THE CAD FILE ASSOCIATED WITH THESE CONSTRUCTION PLANS IS A NON-CERTIFIED DOCUMENT. ANY USE OF THE INFORMATION OBTAINED OR DERIVED FROM THE ASSOCIATED CAD FILE WILL BE AT THE RECEIVING PARTY/USER'S RISK. CHOICE ONE ENGINEERING CORP. OFFERS NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION IN THE CAD FILE OR THAT REVISIONS HAVE BEEN ISSUED AFTER THE CAD DRAWING WAS RELEASED. RECEIVING PARTIES/USERS SHALL HOLD HARMLESS TO THE MAXIMUM EXTENT ALLOWED BY LAW CHOICE ONE ENGINEERING CORP. FROM ANY USE OF THE CAD FILE BY THE RECEIVING PARTY/USER. IN ALL CIRCUMSTANCES, AND AT ALL TIMES, THE PUBLISHED PAPER AND/OR PDF DRAWINGS FOR THE PROJECT SHALL SUPERSEDE THE CAD FILES. IN THE CASE OF AN INCONSISTENCY BETWEEN THE PUBLISHED PAPER/PDF DRAWINGS AND THE ASSOCIATED CAD FILE, THE PUBLISHED PAPER/PDF DRAWINGS SHALL GOVERN THE PROJECT AND ALL WORK.

ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 452 NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, EXCEPT AS HEREIN MODIFIED.

CONCRETE SHALL BE ODOT CLASS QC-1P. THE CONCRETE SHALL BE REINFORCED WITH FIBRILLATED MACROFIBERS. CONTRACTOR TO PROVIDE THE CONCRETE WITH A BROOM FINISH AND TOOLED EDGES PER 451.10. CONTRACTOR TO PROVIDE 1/2" PREMOLDED EXPANSION JOINT TO ISOLATE THE APPROACHES FROM WALKS, CURB, AND EXISTING CONCRETE DRIVEWAY. DRIVE APPROACHES SHALL BE INSTALLED PER THE DETAIL IN THESE PLANS AND THE DRIVEWAY COMPOSITION SHALL BE PER THE HATCH LEGEND SHOWN IN THESE PLANS. ALL REINFORCEMENT, AS CALLED FOR IN THE DETAIL SHALL BE INSTALLED TO MEET THE VILLAGE'S SATISFACTION.

PAYMENT FOR ITEM 452 NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT SQUARE YARD BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 611 CONDUITS/STRUCTURES AND RELATED WORK

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 611, PIPE CULVERTS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES, EXCEPT AS HEREIN MODIFIED.

THE INSTALLATION OF ALL STORM SEWER, SANITARY SEWER, AND ALL CORRESPONDING STRUCTURES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS OR AS NOTED ON THE PLANS.

THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN A HIGH STANDARD OF WORK AND ENSURE THAT ALL ITEMS ARE FULLY AND PROPERLY FUNCTIONAL TO A QUALITY ACCEPTABLE TO THE OWNER.

ALL PIPE CULVERTS, CONDUITS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES SHALL MEET THE MATERIAL REQUIREMENTS OF THIS ITEM. THE CONTRACTOR SHALL ENSURE THE CONDUIT BEDDING AND BACKFILL COMPACTION DENSITY MEETS ASTM D698 (98% STANDARD PROCTOR). TESTING MAY BE REQUIRED IF DEEMED NECESSARY BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

ITEM 611 YARD DRAIN, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 611, PIPE CULVERTS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES, EXCEPT AS HEREIN MODIFIED.

THIS WORK SHALL CONSIST OF INSTALLING A 15" INSERTING TEE, 2' OF 15" TYPE B STORM SEWER, AND A 2'x2' METAL GRATE MEETING THE REQUIREMENTS OF CMS 611 TO CREATE AN IN-LINE YARD DRAIN AT STATION 54+67. EXCAVATION, BEDDING, AND INSTALLATION OF ALL COMPONENTS SHALL BE INCLUDED IN THIS ITEM. SEE SHEET 5 FOR DETAIL.

PAYMENT FOR ITEM 611 YARD DRAIN, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 630 SIGNING, MISC.: RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE AC POWERED, PEDESTRIAN ACTIVATED, 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS. MULTIPLE UNITS SHALL BE WIRED TOGETHER AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), ODOT SCD TC-87.10, AND FHWA INTERIM APPROVAL FOR RRFBS (IA-21).

GENERAL REQUIREMENTS:

THE CABINET SHALL BE NATURAL UNPAINTED ALUMINUM. ALL HARDWARE, ETC. ASSOCIATED WITH THE INSTALLATION OF THIS ITEM SHALL BE GALVANIZED/ALUMINUM WITH A BLACK FINISH, PER ODOT SUPPLEMENTAL SPEC 916 AND BE INCIDENTAL TO THIS LINE ITEM.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

1. SIGNS

A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.

B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.

C. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.

D. THE ASSEMBLY SHALL INCLUDE SIGNS MOUNTED BACK-TO-BACK ON THE PROPOSED POLES. THE SIGNS SHALL INCLUDE, BUT NOT LIMITED TO, W11-2 (30"x30") AND W16-7P (24"x12").

2. CONTROL CIRCUIT

A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.

B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT WITH A LOCKABLE DOOR TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS. THE CONTROL CIRCUIT SHALL BE LOCATED ON THE PROPOSED POWER SERVICE #2 (PS-2) IN A SEPARATE CABINET AND BE INCIDENTAL TO THIS PAY ITEM.

C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE, TO PROTECT ALL INTERNAL LED.

2. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE WITH A WIND COLLAR, OR A TRANSFORMER BASE PER ODOT SCD HL-10.13 AND TC-87-10. A 15 FOOT POLE SHALL BE PROVIDED, FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. A SLIPFITTER SHALL BE PROVIDED TO MOUNT THE POST TOP LUMINAIRE TO THE POLE. THE POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST AND BE INCIDENTAL TO THIS PAY ITEM.

ITEM 630 SIGNING, MISC.: RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONTINUED)

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY SHALL BE FIVE YEARS FROM THE DATE OF FINAL ACCEPTANCE.

THE VILLAGE WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT FOR ITEM 630 SIGNING MISC.: RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM SPECIAL REMOVE AND RESET MAILBOX

THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX, SUPPORT, AND HARDWARE. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION. THE CONTRACTOR WILL BE REQUIRED TO RESET THE EXISTING BOX AND SUPPORT USING THE EXISTING HARDWARE TO A CONDITION EQUAL TO THE CONDITION OF THE BOX AND SUPPORT PRIOR TO THE START OF CONSTRUCTION.

ANY BOX, SUPPORT, OR HARDWARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH EQUAL OR BETTER MATERIALS, AS DETERMINED BY THE OWNER, AT THE CONTRACTOR'S EXPENSE.

ALL BOXES WILL BE REPLACED IN THE SAME LOCATION AND MUST BE RESET THE SAME DAY SO DELIVERY IS NOT INTERRUPTED.

MAILBOX, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL REMOVE AND RESET MAILBOX.

E101 - SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659, TOPSOIL	481 CU. YD.
ITEM 659, SEEDING AND MULCHING	4330 SQ. YD.
ITEM 659, REPAIR SEEDING AND MULCHING	217 SQ. YD.
ITEM 659, INTER-SEEDING	217 SQ. YD.
ITEM 659, COMMERCIAL FERTILIZER	0.6 TON
ITEM 659, LIME	0.9 ACRES
ITEM 659, WATER	24 M. GAL.

APPLY SEEDING AND MULCHINGS TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

W100 - POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

W104 - VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

PROTECTION OF BATS - CUTTING RESTRICTIONS

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. THE CONTRACTOR SHALL NOT REMOVE TREES UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THE CONTRACTOR SHALL DEMARCATE CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

PROTECTION OF DRINKING WATER RESOURCES

BEST CONSTRUCTION PRACTICES ARE TO BE IMPLEMENTED TO MINIMIZE WATER QUALITY IMPACTS. IDLE EQUIPMENT, PETROCHEMICALS, AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE STORED NEAR DRAINAGE WAYS, DITCHES OR STREAMS. REFUELING SHALL NOT BE UNDERTAKEN NEAR DRAINAGE WAYS, DITCHES OR STREAMS. A SPILL CONTAINMENT KIT IS TO BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. SPILLS OF FUELS, OILS, CHEMICALS, OR OTHER MATERIALS WHICH COULD POSE A THREAT TO GROUNDWATER SHALL BE CLEANED UP IMMEDIATELY. IF THE SPILL IS A REPORTABLE AMOUNT, THE LOCAL FIRE DEPARTMENT (911), LOCAL EMERGENCY COORDINATOR (419-586-6455) AND THE OEPA (1-800-282-9378) MUST BE CONTACTED WITHIN 30 MINUTES OF KNOWLEDGE OF THE RELEASE.

NO INSTREAM WORK

BUCK HARPSBURG DITCH CROSSES UNDER SHARPSBURG ROAD AT THREE LOCATIONS. THE CONTRACTOR SHALL NOT STAGE EQUIPMENT, MATERIALS IN OR OTHERWISE DISTURB BUCK HARPSBURG DITCH.

GENERAL NOTES

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER
WJW
REVIEWER
MKG 11-08-24
PROJECT ID
117201
SHEET P.7 TOTAL 84

ITEM 614 MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO ODOT THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS A DAY BY THE VILLAGE, OR ANY OTHER INTERESTED POLICE AGENCY.

THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL TRAFFIC CONTROL DEVICES NEEDED TO MAINTAIN THE SAFETY OF THE TRAVELED PAVEMENT FOR THE DURATION OF THIS PROJECT. THIS PERSON SHALL HAVE AVAILABLE ALL MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO PERFORM THE REQUIRED REPAIRS WITHIN A REASONABLE PERIOD OF TIME AS PER C.M.S. 614.14.

THE CONTRACTOR SHALL ALSO SUBMIT A CONSTRUCTION SEQUENCING SCHEDULE PRIOR TO WORK BEGINNING FOR APPROVAL BY ODOT. THE CONSTRUCTION SEQUENCING SCHEDULE SHALL TAKE INTO CONSIDERATION ALL ASPECTS OF THE PROJECT INCLUDING HOW LOCAL TRAFFIC TO THE BUSINESSES WILL BE MAINTAINED. THE CONSTRUCTION SEQUENCE WILL NEED TO BE APPROVED BY ODOT PRIOR TO ANY COMMENCEMENT OF WORK.

ACCESS FOR PROPERTY OWNERS AND BUSINESS TRAFFIC SHALL BE MAINTAINED IN A UNIFORM PATTERN THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT AND SHALL NOT BE SUBJECTED TO CONSTANT LANE SHIFTS.

ACCESS TO AND FROM ALL LOCAL RESIDENTIAL AND BUSINESS DRIVES WITHIN THE LIMITS OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES (24 HOURS A DAY) BY USING THE EXISTING PAVEMENT, TEMPORARY PAVEMENT, AND THE PROPOSED PAVEMENT UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEQUENCE HIS WORK TO HELP MINIMIZE THE NEED FOR TEMPORARY AGGREGATE PAVEMENT. TEMPORARY AGGREGATE PAVEMENT CAN BE ASPHALT GRINDINGS OR OTHER AGGREGATE APPROVED BY ODOT. THE COST OF INSTALLATION, MATERIAL, AND REMOVAL OF THE TEMPORARY AGGREGATE PAVEMENT IS TO BE PART OF THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

WHERE MORE THAN ONE ACCESS TO A BUSINESS OR RESIDENCE EXISTS, ONLY ONE ACCESS NEEDS TO BE MAINTAINED AT A TIME DURING CONSTRUCTION. WHEN A BUSINESS OR RESIDENCE ONLY HAS ONE ACCESS DRIVE, ACCESS SHALL BE MAINTAINED AT ALL TIMES. IF THE PROJECT REQUIRES IMPROVEMENTS TO THIS ACCESS DRIVE, THE CONTRATCOR SHALL REPLACE HALF OF THE DRIVE AT ONE TIME TO ALLOW ACCESS AT ALL TIMES. THESE ACCESS OPTIONS ARE SUBJECT TO THE APPROVAL OF ODOT.

ANY DAMAGE TO MAINTENANCE OF TRAFFIC EQUIPMENT SUCH AS SIGNS, BARRELS, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IT IS INTENDED THAT THE LOCAL TRAFFIC NOT BE SUBJECTED TO ANY LANE CLOSURES UNLESS ACTIVE WORK IS BEING PERFORMED IN OR IMMEDIATELY ADJACENT TO THE CLOSED LANE. THE ROADWAY SHALL NOT BE RESTRICTED TO ANY LANE CLOSURE DURING PERIODS OF INTERMITTENT OR IRREGULAR WORK, NOR CLOSED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR. ODOT SHALL MAKE THE FINAL DETERMINATION AS TO WHAT CONSTITUTES ACTIVE WORK AND WHETHER OR NOT THE LANE CLOSURE IS JUSTIFIED.

IF, IN THE OPINION OF ODOT, THE LANE CLOSURE IS NOT JUSTIFIED, THEY MAY ORDER ALL OR PART OF THE LANE CLOSURE REOPENED TO LOCAL TRAFFIC (UNTIL SUCH TIME THIS CONDITION IS CORRECTED.)

THE CONTRACTOR SHALL FURNISH AND INSTALL ADVANCE WARNING "ROAD WORK AHEAD" (W20-1) SIGNS AND "END ROAD WORK" (G20-2) SIGNS, PLACED AT EACH CROSSROAD IN THE PROJECT AREA, AS WELL AS OTHER NECESSARY MAINTENANCE OF TRAFFIC SIGNS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (Hauling.Permits@dot.ohio.gov) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

ITEM	DURATION	NOTICE DUE TO PERMITS
RAMP & ROAD CLOSURES	>=2 WEEKS	21 CALENDAR DAYS PRIOR
	>12 HOURS <2 WEEKS	14 CALENDAR DAYS PRIOR
	<=12 HOURS	4 BUSINESS DAYS PRIOR
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR
	<2 WEEKS	5 BUSINESS DAYS PRIOR
START OF CONST. & TRAFFIC CHANGES	N/A	14 CALENDAR DAYS

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY

CHOICE ONE ENGINEERING

DESIGNER WJW

REVIEWER MKG 11-08-24

PROJECT ID 117201

SHEET P.8 | TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	12	13	14	16	44	61	64	65				01/S5K/21		EXT	TOTAL			
																		ROADWAY	
													LS	201	11000	LS		CLEARING AND GRUBBING	
		62	854										916	202	23000	916	SY	PAVEMENT REMOVED	
		395											395	202	30000	395	SF	WALK REMOVED	
		163											163	202	32500	163	FT	CURB AND GUTTER REMOVED	
				45									45	202	35100	45	FT	PIPE REMOVED, 24" AND UNDER	
				10									10	202	35200	10	FT	PIPE REMOVED, OVER 24"	
				2									2	202	58100	2	EACH	CATCH BASIN REMOVED	
													25	202	98200	25	FT	REMOVAL MISC.:CONDUIT	
						45	370	9	1				425	203	10000	425	CY	EXCAVATION	
						145	87	5	5				242	203	20000	242	CY	EMBANKMENT	
		31,891											31,891	608	10000	31,891	SF	4" CONCRETE WALK	
		2,146											2,146	608	52000	2,146	SF	CURB RAMP	
		14											14	SPECIAL	69050350	14	EACH	MAILBOX REMOVED AND RESET	7
																		EROSION CONTROL	
				123									123	653	10000	123	CY	TOPSOIL FURNISHED AND PLACED	
	481	2											483	659	00300	483	CY	TOPSOIL	
	4,330	12			1,107								5,449	659	00500	5,449	SY	SEEDING AND MULCHING, CLASS 1	
	217												217	659	14000	217	SY	REPAIR SEEDING AND MULCHING	
	217												217	659	15000	217	SY	INTER-SEEDING	
	0.6												0.6	659	20000	0.6	TON	COMMERCIAL FERTILIZER	
	0.9												0.9	659	31000	0.9	ACRE	LIME	
	24												24	659	35000	24	MGAL	WATER	
				1,107									1,107	670	00500	1,107	SY	SLOPE EROSION PROTECTION	
													LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
													LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
													LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
													10,000	832	30000	10,000	EACH	EROSION CONTROL	
				23									23	611	00900	23	FT	**DRAINAGE** 6" CONDUIT, TYPE B	
				63									63	611	01200	63	FT	6" CONDUIT, TYPE D	
				119									119	611	04900	119	FT	12" CONDUIT, TYPE D	
				3									3	611	07400	3	FT	18" CONDUIT, TYPE B	
				4									4	611	10400	4	FT	24" CONDUIT, TYPE B	
				10									10	611	13600	10	FT	30" CONDUIT, TYPE C	
20													20	611	97400	20	FT	CONDUIT, MISC.:TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	6
20													20	611	97400	20	FT	CONDUIT, MISC.:TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	6
20													20	611	97400	20	FT	CONDUIT, MISC.:TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	6
20													20	611	97400	20	FT	CONDUIT, MISC.:TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	6
				3									3	611	98390	3	EACH	CATCH BASIN, NO. 7	
				1									1	611	98391	1	EACH	CATCH BASIN, NO. 7, AS PER PLAN	7
				1									1	611	98511	1	EACH	CATCH BASIN, NO. 2-3, AS PER PLAN	5
				1									1	611	99574	1	EACH	MANHOLE, NO. 3	
				1									1	611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE	
													1	611	99720	1	EACH	INSPECTION WELL	
																		PAVEMENT	
		9											9	301	56000	9	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
		9											9	304	20000	9	CY	AGGREGATE BASE	
		6	2										8	407	20000	8	GAL	NON-TRACKING TACK COAT, 0.06 GAL/S.Y.	
		316	76										392	411	10000	392	CY	STABILIZED CRUSHED AGGREGATE	
		3	1										4	441	70000	4	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	

MER - FT. RECOVERY SIDEWALKS

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GENERAL SUMMARY

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

SHEET P.9 | TOTAL 84

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
12	13	14	68	69	78	80							01/S5K/21						
3	2												5	441	70300	5	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
	574												574	452	10011	574	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	7
	232												232	452	13011	232	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	7
163													163	609	12001	163	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	5
																		WATER WORK	
		5											5	638	10300	5	EACH	FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	
		6											6	638	10800	6	EACH	VALVE BOX ADJUSTED TO GRADE	
																		SANITARY SEWER	
		1											1	611	99900	1	EACH	DRAINAGE STRUCTURE, MISC.:CLEANOUT ADJUSTED TO GRADE	
																		LIGHTING	
						140							140	611	00400	140	FT	4" CONDUIT, TYPE E	
					16								16	625	00451	16	EACH	CONNECTION, FUSED PULL APART, AS PER PLAN	80
					16								16	625	00460	16	EACH	CONNECTION, UNFUSED PULL APART	
					6								6	625	00480	6	EACH	CONNECTION, UNFUSED PERMANENT	
					7								7	625	10481	7	EACH	LIGHT POLE, DECORATIVE, AS PER PLAN	80
					9								9	625	14000	9	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
					2,988								2,988	625	22990	2,988	FT	NO. 6 AWG 600 VOLT DISTRIBUTION CABLE	
					2,988								2,988	625	23306	2,988	FT	NO. 10 AWG 600 VOLT DISTRIBUTION CABLE	
					1,080								1,080	625	23410	1,080	FT	NO. 12 AWG POLE AND BRACKET CABLE	
					452								452	625	25408	452	FT	CONDUIT, 2", 725.051	
					150								150	625	25504	150	FT	CONDUIT, 3", 725.051	
					85								85	625	25604	85	FT	CONDUIT, 4", 725.051	
					69								69	625	25909	69	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 2"	80
					171								171	625	25909	171	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 3"	80
					81								81	625	25909	81	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4"	80
					8								8	625	27551	8	EACH	LUMINAIRE, DECORATIVE, AS PER PLAN IES-III-M, LED, 12316 LUMENS	80
					687								687	625	29000	687	FT	TRENCH	
					7								7	625	30520	7	EACH	PULL BOX, 725.06, SIZE 7	
					11								11	625	32000	11	EACH	GROUND ROD	
					2								2	625	34001	2	EACH	POWER SERVICE, AS PER PLAN	80
					687								687	625	36010	687	FT	UNDERGROUND WARNING/MARKING TAPE	
					133								133	632	69350	133	FT	POWER CABLE, MISC.: 1/0 AWG., 600 VOLTS	80
																		TRAFFIC CONTROL	
				181									181	630	03100	181	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
				106									106	630	80100	106	SF	SIGN, FLAT SHEET	
				3									3	630	84900	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				32									32	630	85100	32	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
				1									1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				20									20	630	86010	20	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION	
			0.03										0.03	644	00100	0.03	MILE	EDGE LINE, 4"	
			78										78	644	00400	78	FT	CHANNELIZING LINE, 8"	
			70										70	644	00500	70	FT	STOP LINE	
			409										409	644	00620	409	FT	CROSSWALK LINE, 12"	
			380										380	644	00630	380	FT	CROSSWALK LINE, 24"	
			2										2	644	01300	2	EACH	LANE ARROW	
			38										38	644	20800	38	FT	YIELD LINE	
			142										142	644	30000	142	FT	REMOVAL OF PAVEMENT MARKING	
																		TRAFFIC SIGNALS	
					2								2	630	97700	2	EACH	SIGNING, MISC.:RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	7
					2								2	632	20750	2	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON, BLACK	
					500								500	632	40300	500	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	
					508								508	632	40500	508	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	

MER - FT. RECOVERY SIDEWALKS

GENERAL SUMMARY

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

SHEET P.10 TOTAL 84

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SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
2	8												01/S5K/21						
																		INCIDENTALS	
	LS												LS	614	11000	LS		MAINTAINING TRAFFIC	8
													6	619	16010	6	MNTH	FIELD OFFICE, TYPE B	
LS													LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	2
													LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
													LS	623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
													LS	624	10000	LS		MOBILIZATION	

MER - FT. RECOVERY SIDEWALKS

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GENERAL SUMMARY

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

SHEET P.11 | TOTAL 84

REF NO.	SHEET NO.	STATION			SIDE	MEASURED AREA (S.F.)	202 PAVEMENT REMOVED SY	202 CURB AND GUTTER REMOVED FT	202 WALK REMOVED SF	301 ASPHALT CONCRETE BASE, PG64-22, (449) CY	304 AGGREGATE BASE CY	407 NON-TRACKING TACK COAT, 0.06 GAL/S.Y. GAL	411 STABILIZED CRUSHED AGGREGATE CY	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 CY	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) CY	608 4" CONCRETE WALK SF	608 CURB RAMP SF	609 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN FT	659 SEEDING AND MULCHING, CLASS 1 SY	659 TOPSOIL CY	SPECIAL MAILBOX REMOVED AND RESET EACH
W1	17	196+33.43	TO	196+50.70	LT	110							1.02			50	60				
W2	17	196+43.96	TO	196+76.66	RT	210							1.94			71	139				
W3	17-18	197+19.9	TO	200+77.49	RT	2138							19.80			2080	58				
W4	18	201+07.19	TO	201+15.69	RT	51							0.47			51					
W5	18	201+61.13	TO	202+81.09	RT	780							7.22			643	137				
W6	18-19	203+25.60	TO	204+41.85	RT	728							6.74			627	101				
W7	19	204+65.08	TO	205+65.15	RT	600							5.56			600					
W8	19	205+85.38	TO	206+40.83	RT	333							3.08			333					
W9	19	206+64.27	TO	208+24.95	RT	963							8.92			963					
W10	19-21	208+47.91	TO	214+17.19	RT	3396							31.44			3396					
W11	21-22	214+48.05	TO	54+32.71	RT	2001							18.53			1726	275				
W12	21	215+72.63	TO	216+59.80	LT	536							4.96			451	85				
W13	21	216+78.35	TO	217+62.53	LT	757			119				7.01			508	249				
W14	21	218+08.62	TO	218+14.21	LT	289			176				2.68			73	216				
W15	22	51+12.83	TO	53+79.15	LT	1618							14.98			1555	63				
W16	22-23	54+14.44	TO	56+35.92	LT	1363							12.62			1299	64				
W17	23	56+70.59	TO	56+86.23	LT	94							0.87			94					
W18	23-25	57+13.57	TO	65+80.56	LT	5307							49.14			5211	96				
W19	25	65+72.74	TO	65+82.44	RT	82							0.76			31	51				
W20	25	66+28.78	TO	66+48.78	RT	230							2.13			115	115				
W21	25-27	66+17.40	TO	75+82.73	LT	5904							54.81			5747	172				
W22	27	76+26.20	TO	77+37.44	LT	667							6.18			667					
W23	27	77+86.90	TO	79+10.23	LT	740							6.85			740					
W24	27-29	79+56.69	TO	12+44.44	LT	3345							30.97			3287	58				
W25	28	82+74.35	TO	82+79.35	RT	50							0.46				50				
W26	29	12+68.54	TO	14+03.54	LT	810							7.50			810					
W27	29-30	14+28.50	TO	15+65.80	LT	920			100				8.52			763	157				
C1	18	202+82			RT.	24	2.67	11		0.44	0.44	0.32		0.11	0.13			11			
C2	18	203+25			RT.	20	2.22	9		0.37	0.37	0.27		0.09	0.11			9			
C3	21	217+65			LT.	176	19.56	55		3.26	3.26	2.35		0.81	0.95			55			
C4	21	218+00			LT.	65	7.22	31		1.20	1.20	0.87		0.30	0.35			31			
C5	25	65+84			RT.	23	2.56	10		0.43	0.43	0.31		0.11	0.12			10			
C6	25	66+30			RT.	76	8.44	35		1.41	1.41	1.01		0.35	0.41			35			
C7	30	15+70			LT.	26	2.89	12		0.48	0.48	0.35		0.12	0.14			12			
C8	31	20+00			RT.	36	4.00			0.67	0.67	0.48		0.17	0.19						
R1	17	196+36			LT.																1
R2	17	196+59			RT.	61	6.78												6.78	1.13	
R3	17	198+40			RT.	44	4.89												4.89	0.81	
R4	22	51+95			LT.																2
R5	23	56+82			LT.																2
R6	24	62+03			LT.																1
R7	25	68+93			LT.																1
R8	27	76+24			LT.																1
R9	27	77+95			LT.																1
R10	27	78+22			LT.																1
R11	27	79+61			LT.																2
R12	28	81+14			LT.																1
R13	29	12+20			LT.																1
TOTALS CARRIED TO GENERAL SUMMARY							62	163	395	9	9	6	316	3	3	31891	2146	163	12	2	14

MER - FT. RECOVERY SIDEWALKS

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SUBSUMMARY - ROADWAY

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER
WJW
REVIEWER
MKG 11-08-24
PROJECT ID
117201
SHEET P.12 TOTAL 84

SUBSUMMARY - DRIVEWAY

REF NO.	SHEET NO.	STATION	SIDE	DRIVE TYPE	DRIVE WIDTH (AT BACK OF APRON)	DRIVE WIDTH (AT MEET EXISTING POINT)	DRVE AREA (MEASURED S.F.)	202 PAVEMENT REMOVED	411 STABILIZED CRUSHED AGGREGATE	407 NON-TRACKING TACK COAT, 0.06 GALS. Y.	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	452 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN														
								SY	CY	GAL	CY	CY	SY	SY														
DR1	18	200+92.33	RT	COMM.	23.20	35.26	462	51.33	4.3					51.3														
DR2	18	201+39.35	RT	COMM.	36.83	52.69	705	78.33	3.4	1.2	0.7	1.6		57.9														
DR3	19	204+53.47	RT	RES.	16.50	28.50	315	35.00	4.4				29.0															
DR4	19	205+75.26	RT	RES.	12.44	24.42	242	26.89	3.6				21.6															
DR5	19	206+52.23	RT	RES.	14.95	26.93	269	29.89	3.9				24.1															
DR6	19	208+36.27	RT	RES.	15.22	27.23	297	33.00	4.8				24.6															
DR7	21	214+32.60	RT	RES.	24.64	36.64	434	48.22	4.0				48.2															
DR8	21	216+69.14	LT	RES.	9.23	21.31	177	19.67	2.5				16.3															
DR9	22	53+96.12	LT	COMM.	22.02	47.04	545	60.56	5.0					60.6														
DR10	23	56+53.20	LT	COMM.	21.76	41.76	552	61.33	5.1					61.3														
DR11	23	57+00.00	LT	RES.	19.79	31.75	527	58.56	4.9				58.6															
DR12	27	76+04.48	LT	RES.	36.92	48.84	820	91.11	7.6				91.1															
DR13	27	77+62.13	LT	RES.	43.08	54.84	818	90.89	7.6				90.9															
DR14	27	79+33.34	LT	RES.	39.79	52.15	759	84.33	7.0				84.3															
DR15	29	12+56.50	LT	RES.	18.88	30.01	366	40.67	3.4				40.7															
DR16	29	14+16.00	LT	RES.	20.00	30.99	394	43.78	3.6				43.8															
TOTALS CARRIED TO GENERAL SUMMARY								854	76	2	1	2	574	232														

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

SHEET P.13 | TOTAL 84

DRAINAGE, WATERWORKS, AND SANITARY

REF NO.	SHEET NO.	STATION	SIDE		202 PIPE REMOVED, 24" AND UNDER (FT)	202 PIPE REMOVED, OVER 24" (FT)	202 CATCH BASIN REMOVED (EACH)	611 6" CONDUIT, TYPE B (FT)	611 6" CONDUIT, TYPE D (FT)	611 12" CONDUIT, TYPE D (FT)	611 18" CONDUIT, TYPE B (FT)	611 24" CONDUIT, TYPE B (FT)	611 30" CONDUIT, TYPE C (FT)	611 CATCH BASIN, NO. 7 (EACH)	611 CATCH BASIN, NO. 7, AS PER PLAN (EACH)	611 CATCH BASIN, NO. 2-3, AS PER PLAN (EACH)	611 MANHOLE, NO. 3 (EACH)	611 MANHOLE ADJUSTED TO GRADE (EACH)	611 DRAINAGE STRUCTURE MISC.:CLEANOUT ADJUSTED TO GRADE (EACH)	638 FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE (EACH)	638 VALVE BOX ADJUSTED TO GRADE (EACH)		
D1	18	202+41	RT.		7						3	4				1							
D2	19	204+40	RT.		6		1	13						1									
D3	19	205+65	RT.		23				63					1									
D4	19	206+28	RT.		9		1	10						1									
D5	22	54+67	LT.												1								
D6	23	56+53	LT.							39													
D7	23	57+00	LT.							30													
D8	24	60+72	LT.			10							10				1						
D9	25	66+53	LT.															1					
D10	27	76+06	LT.							50													
WW1	19	205+56.95	RT.																	1	1		
WW2	20	210+35.05	RT.																	1	1		
WW3	20	213+12.20	RT.																	1	1		
WW4	27	75+34.15	LT.																		1		
WW5	27	75+40.86	LT.																	1	1		
WW6	30	15+42.35	LT.																	1	1		
SS1	23	57+47.07	LT.																1				
TOTALS CARRIED TO GENERAL SUMMARY					45	10	2	23	63	119	3	4	10	3	1	1	1	1	1	5	6		

EROSION CONTROL

REF NO.	SHEET NO.	STATION TO STATION			SIDE	MEASURED AREA (S.F.)	653 TOPSOIL FURNISHED AND PLACED (CY)	670 SLOPE EROSION PROTECTION (SY)																
EC1	24	60+50.0	TO	64+75.0	LT.	2559	57.90	521.00																
EC2	26	70+00.0	TO	75+00.0	LT.	3000	65.07	585.67																
TOTALS CARRIED TO GENERAL SUMMARY							123	1107																

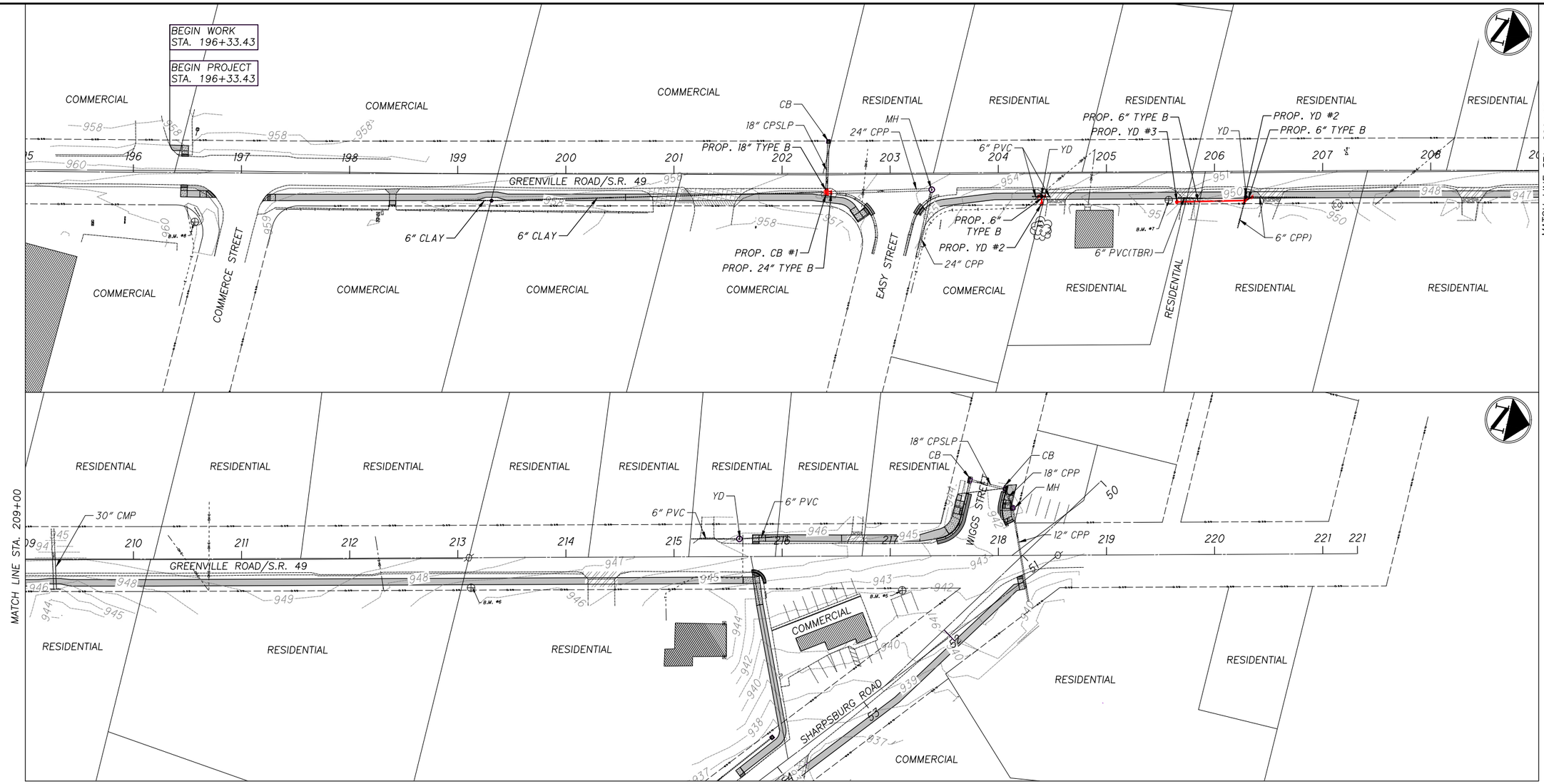
MER - FT. RECOVERY SIDEWALKS

SUBSUMMARY - DRAINAGE, WATERWORKS, SANITARY, AND EROSION CONTROL

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.14 | TOTAL 84

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PROJECT DESCRIPTION

THE PROJECT SCOPE INVOLVES THE CONSTRUCTION OF A NEW SIDEWALK ON GREENVILLE ROAD (STATE ROUTE 49), SHARPSBURG ROAD, AND FLALER ROAD IN THE VILLAGE OF FORT RECOVERY, MERCER COUNTY, OHIO. THE PROJECT LENGTH IS APPROXIMATELY 1.12 MILES. GRADING WORK AND SOME STORM SEWER INSTALLATION WILL BE PERFORMED.

PROJECT DATA:

PROJECT AREA = 1.91 ACRES
PROJECT EARTH DISTURBED AREA = 1.15 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = 0.10 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA = 1.25 ACRES
IMPERVIOUS AREA FOR PRE-CONSTRUCTION SITE = 0.00 ACRES
IMPERVIOUS AREA FOR POST-CONSTRUCTION SITE = 0.77 ACRES
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE = 0.65
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE = 0.55
POST CONSTRUCTION BMP: VEGETATED FILTER STRIP MAINTAINED BY VILLAGE OF FT. RECOVERY
IMMEDIATE RECEIVING WATERS: CITY STORM SYSTEM
SUBSEQUENT RECEIVING WATERS: WABASH RIVER

PROJECT LOCATION: N 40° 24' 20", W 84° 46' 18"
USGS 7.5 MINUTE QUADRANGLE: FORT RECOVERY

VEGETATED FILTER STRIP

VFS = VEGETATED FILTER STRIP

BMP TYPE	LAT. BEGIN	LONG. BEGIN	LAT. END	LONG. END	STA. BEGIN	STA. END	WIDTH *	EDA CREDIT	Σ EDA CREDIT
VEGETATED FILTER STRIP #1 (VFS#1)	40.406758	-84.773246	40.406031	-84.772052	60+50	64+75	12 FEET	0.12 ACRES	0.12 ACRES
VEGETATED FILTER STRIP #2 (VFS#2)	40.405114	-84.770589	40.404254	-84.769199	70+00	75+00	12 FEET	0.14 ACRES	0.26 ACRES
							TREATMENT PROVIDED		0.26 ACRES
							TREATMENT REQUIRED		0.25 ACRES

* INCLUDES 6' SIDEWALK

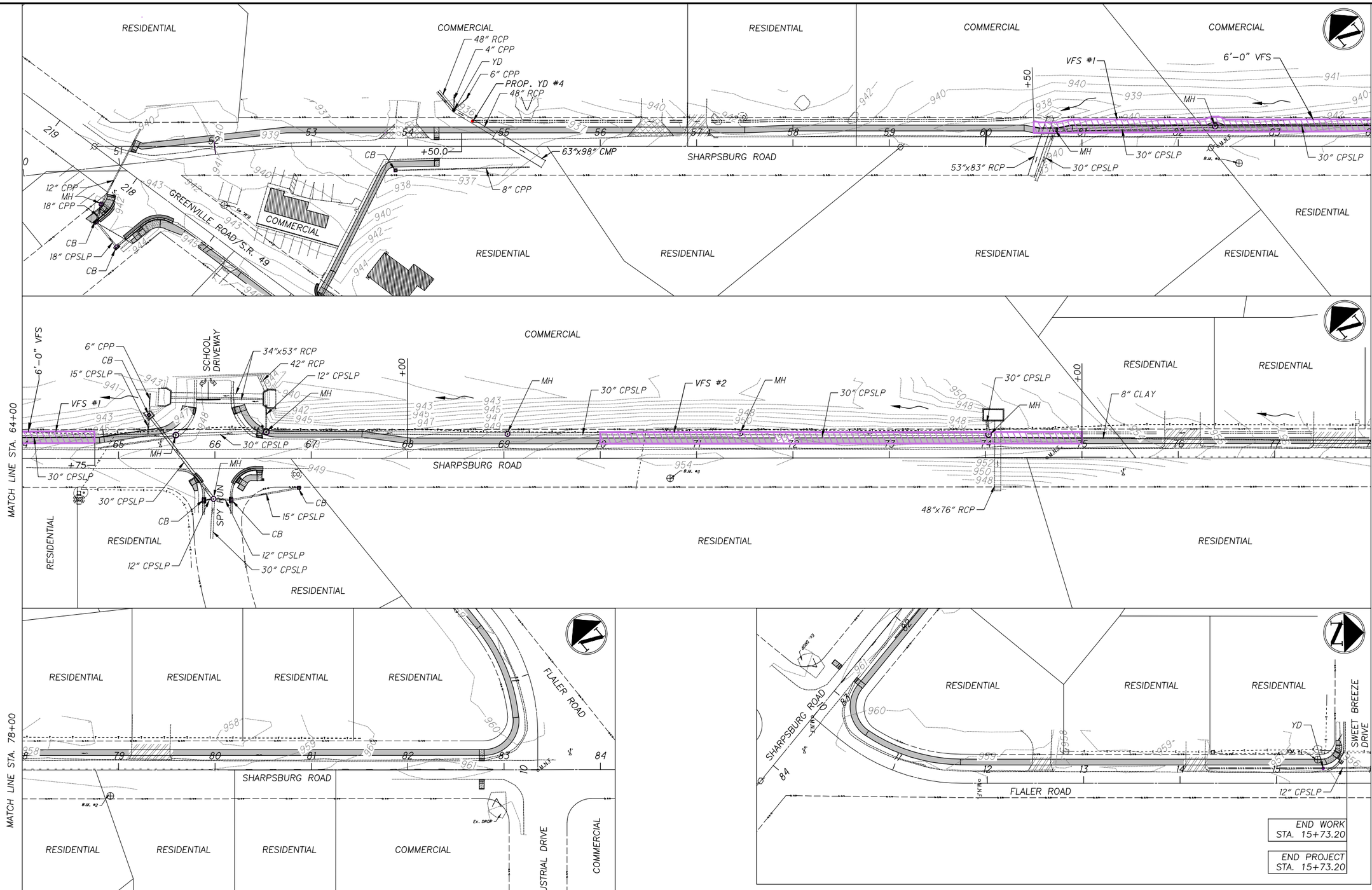
HORIZONTAL SCALE IN FEET
0 25 50 100

SITE PLAN - GREENVILLE ROAD/S.R. 49

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.15 | TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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BMP TYPE	LAT. BEGIN	LONG. BEGIN	LAT. END	LONG. END	STA. BEGIN	STA. END	WIDTH *	EDA CREDIT	Σ EDA CREDIT
VEGETATED FILTER STRIP #1 (VFS#1)	40.406758	-84.773246	40.406031	-84.772052	60+50	64+75	12 FEET	0.12 ACRES	0.12 ACRES
VEGETATED FILTER STRIP #2 (VFS#2)	40.405114	-84.770589	40.404254	-84.769199	70+00	75+00	12 FEET	0.14 ACRES	0.26 ACRES
							TREATMENT PROVIDED		0.26 ACRES
							TREATMENT REQUIRED		0.25 ACRES

ITEM 653 - TOPSOIL FURNISHED AND PLACED: 123 CY
ITEM 659 - SEEDING AND MULCHING, CLASS 1: 1107 SY
ITEM 670 - SLOPE EROSION PROTECTION: 1107 SY

VEGETATED FILTER STRIP VFS = VEGETATED FILTER STRIP * INCLUDES 6' SIDEWALK

HORIZONTAL SCALE IN FEET
0 25 50 100

SITE PLAN - SHARPSBURG ROAD AND FLALER ROAD

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.16 TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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MER - FT. RECOVERY SIDEWALKS

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MATT J. MUHLENKAMP
0 INDUSTRIAL DR

PATRICIA J. MINOR
1711 ST RT 49

K & L TRACTOR SALES INC
1737 ST RT 49

BEGIN WORK:
STA. 196+33.43

BEGIN PROJECT:
STA. 196+33.43

MAILBOX(R&R)

+33.4

ASPHALT PVMT.

GRAVEL PVMT.

PER BASEMAP

GREENVILLE RD./S.R. 49

N12° 12' 22"W

194 195 196 197 198

+44.7 +50.7 +43.9 +50.1 +76.7 +19.9 +39.7

Sta. 197+74.09

MATCH LINE 199+00

W1 R1 R2 W2 R3 W3

Ex R/W

4" G

OH-E OH-T

10" W

Ex U

JR MANUFACTURING
1201 COMMERCE ST

SIGN

WOOD FENCE (DND)

SIGN(DND)

7.51 5.94 6.00

GRAVEL PVMT.

CONST. LIMITS

B.M. #8

ASPHALT PVMT.

COMMERCE STREET

4" C

1 STORY FRAME COMMERCIAL

JK MILLER LLC
1100 COMMERCE ST

K & L TRACTOR SALES INC
0 COMMERCE ST

BENCHMARK #8 ELEV. 961.59

BOLT AT TIP OF ARROW TOP FLANGE FIRE HYDRANT AT THE SOUTH EAST CORNER INTERSECTION OF COMMERCE STREET AND GREENVILLE ROAD.

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - GREENVILLE ROAD/SR 49
STA. 194+00 to STA. 199+00

PROPOSED FACE OF WALK ELEVATIONS

EXISTING CENTERLINE ELEVATIONS

194+00	195+00	196+00	197+00	198+00	199+00
960.44	960.44	960.40	960.33	960.26	960.19
960.12	960.06	960.03	960.02	959.96	959.88
959.86	959.83	959.71	959.61	959.51	959.41
959.32	959.25				

NO CURVE
PVI 197+24.57
ELEV = 959.58

NO CURVE
PVI 198+40.00
ELEV = 958.75

-0.72% -0.50%

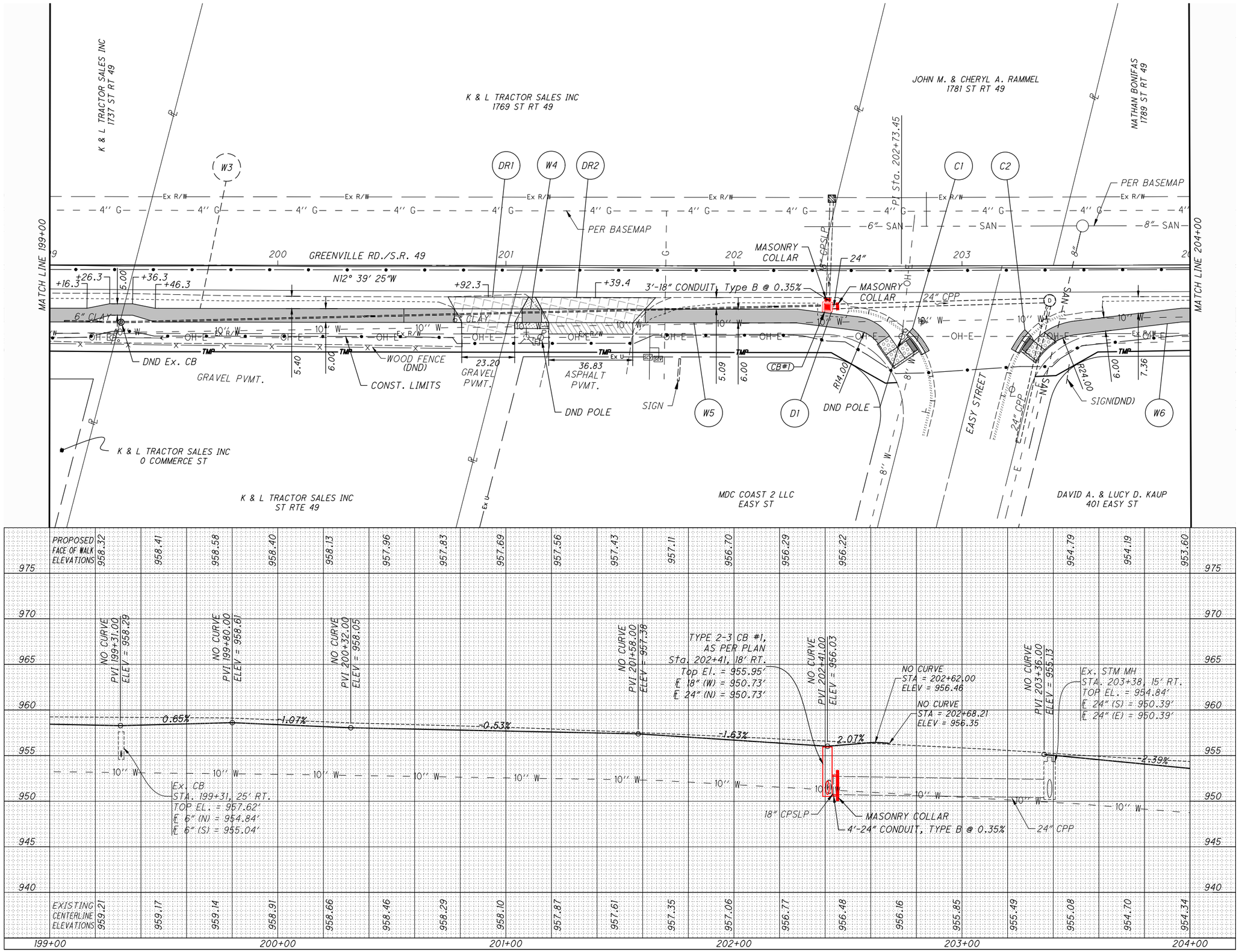
975 970 965 960 955 950 945 940

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.17 TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - GREENVILLE ROAD/SR 49
STA. 199+00 to STA. 204+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.18
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

PLAN AND PROFILE - GREENVILLE ROAD/SR 49
STA. 204+00 to STA. 209+00

HORIZONTAL SCALE IN FEET
0 10 20 40

NATHAN BONIFAS
1789 ST RT 49

JUDITH HOWELL
1805 ST RT 49

KURT R. WENDEL & AMY J. WELSCH
1827 ST RT 49

IRON GATE INVESTMENTS LLC
1829 ST RT 49

MATCH LINE 204+00

MATCH LINE 209+00

PI Sta. 207+73.82

GREENVILLE RD./S.R. 49

N12° 58' 01"W

W6 DR3 W7 WW1 DR4 W9 DR6 W10

D2 D3 D4 W8 DR5

SEE TIE IN DETAIL ON SHEET 5

PER BASEMAP

PER BASEMAP

6" MASONRY COLLAR

6" PVC

MASONRY COLLAR

MASONRY COLLAR

MASONRY COLLAR

6" CPP

6" CPP

6" PVC POLE(DND)

F.H. EXTEND AND ADJUST TO GRADE VALVE BOX (ATG) B.M. #7

2 STORY FRAME RESIDENTIAL

DND TREES

GRAVEL PVMT.

GRAVEL PVMT.

GRAVEL PVMT.

CONST. LIMITS (DND)

YD#2 YD#3 YD#4

+53.5 +75.3 +52.2 +36.3

16.50 12.44 14.95 6.00 4.71 15.22

BENCHMARK #7 ELEV. 952.33

BOLT AT TIP OF ARROW TOP FLANGE FIRE HYDRANT AT THE NORTH PROPERTY LINE OF 1800 GREENVILLE ROAD.

DAVID A. & LUCY D. KAUP
1808 ST RTE 49

MICHAEL C. & KENNETH & ERNESTINE THIEN LIFE ESTATE
1808 ST RTE 49

MICHAEL C. & SUSAN R. THIEN
1818 ST RTE 49

MICHAEL C. & SUSAN R. THIEN
1828 ST RTE 49

PROPOSED FACE OF WALK ELEVATIONS

EXISTING CENTERLINE ELEVATIONS

953.00 952.76 952.52 952.13 951.75 951.37 951.04 950.64 949.88 949.99 949.78 949.58 949.36 949.12 948.88 948.64 948.40 948.25 948.05 947.83

953.98 953.62 953.26 952.90 952.52 952.10 951.65 951.21 950.88 950.55 950.29 950.10 949.91 949.74 949.57 949.41 949.27 949.13 949.03 949.04

970 965 960 955 950 945 940 935

204+00 205+00 206+00 207+00 208+00 209+00

NO CURVE PVI 204+31.00 ELEV = 952.86

NO CURVE PVI 204+64.00 ELEV = 952.68

YARD DRAIN #2
Sta. 204+40, 29' RT.
Top El. = 951.99'
E 6" (W) = 949.05'

NO CURVE PVI 205+65.00 ELEV = 951.14

NO CURVE PVI 205+92.00 ELEV = 950.88

YARD DRAIN #3
Sta. 205+65, 28' RT.
Top El. = 950.69'
E 6" (N) = 948.02'

NO CURVE PVI 206+28.00 ELEV = 949.79

YARD DRAIN #4
Sta. 206+28, 27' RT.
Top El. = 949.52'
E 6" (E) = 946.76'
E 6" (NW) = 946.76'
E 6" (S) = 946.76'

NO CURVE PVI 207+20.00 ELEV = 949.41

NO CURVE PVI 208+26.00 ELEV = 948.39

NO CURVE PVI 208+53.00 ELEV = 948.23

NO CURVE STA = 206+42.00 ELEV = 950.05

-2.39% -0.52% -1.53% -0.97% -3.03% 1.91% -0.82% -0.97% -0.57% -0.85%

MASONRY COLLAR INV. 949.02

6'-6" CONDUIT, Type B INV. 949.02

Ex. CB (TBR)
STA. 204+40, 22' RT.
TOP EL. = 951.72'
E 6" (S) = 949.02'
E 6" (N) = 949.02'

63'-6" CONDUIT, TYPE D @ 1.99%

Ex. CB (TBR)
STA. 206+29, 24' RT.
TOP EL. = 949.30'
E 6" (N) = 946.76'
E 6" (E) = 947.50'

7'-6" CONDUIT, Type B

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW

REVIEWER MKG 11-08-24

PROJECT ID 117201

SHEET P.19 TOTAL 84

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MICHAEL R. & CYNTHIA A. THOBE
1845 ST RT 49

RYAN M. & LORI R. THOBE
1850 ST RTE 49

TYLER M. ACHESON & HAILEY L. MOELLER
1865 ST RT 49

THOMAS C. WOOD
512 ST RT 49

MATCH LINE 209+00

MATCH LINE 214+00

RI Sta. 210+17.85

PER BASEMAP

PER BASEMAP

GREENVILLE RD./S.R. 49

N12° 38' 20"W

Ex R/W

4" G

SAN

8" SAN

10" W

OH-E

TMP

+12.3

+22.3

+32.3

+42.3

30" CMP

5.00

WALL

(DND)

F.H. EXTEND AND ADJUST TO GRADE VALVE BOX (ATG)

5.97

6.00

WW2

W10

WW3

B.M. #6

CONST. LIMITS

F.H. EXTEND AND ADJUST TO GRADE VALVE BOX (ATG)

SCOTT A. & RENEE L. BRUNSWICK
505 GREENVILLE RD

BENCHMARK #6 ELEV. 948.01

BOLT AT TIP OF ARROW TOP FLANGE FIRE HYDRANT AT THE SOUTH PROPERTY LINE OF 505 GREENVILLE ROAD.

MICHAEL C. & SUSAN R. THIEN
1828 ST RTE 49

SCOTT A. & RENEE L. BRUNSWICK
1860 ST RTE 49

	209+00	210+00	211+00	212+00	213+00	214+00
PROPOSED FACE OF WALK ELEVATIONS	947.62	947.85 948.10 948.35 948.60 948.85 949.10	949.22 949.35 949.38 949.23 949.04	948.63 948.23 947.82 947.49	947.24 946.99 946.75	946.60
NO CURVE	PVI 209+26.00 ELEV = 947.61	PVI 210+75.00 ELEV = 949.10	PVI 211+42.00 ELEV = 949.43	PVI 211+96.00 ELEV = 949.11	PVI 212+87.00 ELEV = 947.63	PVI 213+74.00 ELEV = 946.75
	-0.85%	1.00%	0.50%	-0.60%	-1.63%	-1.01%	-0.57%
EXISTING CENTERLINE ELEVATIONS	949.03	949.01 949.13 949.31 949.48 949.65 949.77	949.80 949.82 949.80 949.75 949.55	949.36 949.14 948.92 948.75	948.48 948.17 947.82	947.55

30" STM

965 960 955 950 945 940 935 930

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - GREENVILLE ROAD/SR 49
STA. 209+00 to STA. 214+00

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.20
TOTAL	84

MATCH LINE 214+00

MATCH LINE 219+00

THOMAS C. WOOD
512 ST RT 49

DENNIS L. & CAROLYN S. PARSONS
508 ST RT 49

ROBERT & ELIZABETH RAMMEL
506 ST RT 49

NORBERT E. MCDOWELL
504 ST RTE 49

RALPH BECHTOL
502 GREENVILLE RD

55'-TYPE 2 CURB AND GUTTER REPLACED

Ex. LIGHT POLE & BASE (R&R)(BO)

GUY WIRE(R&R)(BO)

THOBE'S RENTAL LLC
305 W WIGGS ST

31'-TYPE 2 CURB AND GUTTER REPLACED

E. WIGGS ST

18" CPP

R22.00

(2) BOLLARDS (TBR)
PI Sta. 218+55.01

PER BASEMAP

DND POLE

CONST. LIMITS

GRAVEL PVMT.

GREENVILLE RD./S.R. 49

N12° 53' 03"W

ASPHALT PVMT.

B.M. #5

SIGN(TBR)

N66°58'25"E

FT. RECOVERY DATUM

CONC. PVMT.

1 STORY BRICK COMMERCIAL

1 STORY FRAME RESIDENTIAL

SCOTT A. & RENEE L. BRUNSWICK
505 GREENVILLE RD

S56° 06' 57"E

MAILBOX(2)R&R)

CAROLYN R. MONELL
405 E MILLICAN ST

CONC. PVMT.

24.64

5.41

6.00

3.50

+32.6

+72.6

+05.0

+55.0

+69.1

+44.7

+27.4

+19.8

+29.1

R22.00

10.01

6.00

9.23

10.50

W10

W11

W12

W13

W14

C3

C4

DR7

DR8

BENCHMARK #5 ELEV. 943.45

MAG NAIL IN POWER POLE SOUTH EAST CORNER INTERSECTION OF GREENVILLE ROAD AND SHARPSBURG ROAD.

PROPOSED FACE OF WALK ELEVATIONS

946.46 946.32 945.97 945.55 945.12 944.70 945.78 945.73 945.43 945.14 944.85 944.55 944.26 943.70

EXISTING CENTERLINE ELEVATIONS

947.35 947.12 946.88 946.61 946.38 946.16 945.94 945.66 945.41 945.12 944.83 944.51 944.20 943.78 943.28 942.94 942.58 942.21 942.00

NO CURVE
PVI 214+57.00
ELEV = 946.28

NO CURVE
PVI 215+72.73
ELEV = 944.61

NO CURVE
PVI 215+72.66
ELEV = 945.81

NO CURVE
STA = 215+79.00
ELEV = 945.72

NO CURVE
PVI 215+58.00
ELEV = 944.56

NO CURVE
STA = 215+85.00
ELEV = 945.90

NO CURVE
STA = 217+43.00
ELEV = 944.05

NO CURVE
PVI 217+24.00
ELEV = 944.27

NO CURVE
PVI 217+54.44
ELEV = 943.48

-0.57% -1.70% 0.34% 3.07% -1.42% -1.18% -1.15% -5.00%

6" PVC
Ex. SAN MH
STA. 215+34, 9' LT.
TOP EL. = 946.14'
E 8" (N) = 938.29'

6" PVC
Ex. STM MH
STA. 215+60, 16' LT.
TOP EL. = 946.02'
E 6" (N) = 940.82'
E 6" (S) = 940.82'

8" SAN.

Ex. SAN MH
STA. 217+70, 9' LT.
TOP EL. = 943.21'
E 8" (S) = 938.29'
E 8" (E) = 930.93'

965 960 955 950 945 940 935 930

214+00 215+00 216+00 217+00 218+00 219+00

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - GREENVILLE ROAD/SR 49
STA. 214+00 to STA. 219+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.21
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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CAROLYN R. MCNEIL
405 E MILLIGAN ST

MARY HELP OF CHRISTIANS
403 SHARPSBURG RD

GREENVILLE RD./S.R. 49

SHARPSBURG ROAD

MAILBOX(2)(R&R)
DND POLE
PER BASEMAP
PI Sta. 51+18.00
BOOLEARDS (TBR)
(2) THORE'S RENTAL LLC
305 W WICGS ST
31'-TYPE 2 CURB AND GUTTER REPLACED
S56° 06' 57"E
S49° 42' 22"E
Sta. 52+75.00
CONST. LIMITS
(ATG)(BO)
CONC. PVMT.
PROP. 2' DITCH
48" RCP
6" CPP
YD#5
MATCH LINE 55+00
ASPHALT PVMT.
JBA ENTERPRISES
501 ST RTE 49
1 STORY BRICK COMMERCIAL
CONC. PVMT.
ASPHALT PVMT.
FT. RECOVERY DAIRY
SCOTT A. & RENEE L. BRUNSWICK
505 GREENVILLE RD
DND
DND POLE
GUY WIRE(RL)(BO)
W11
W15
W16
R4
DR9
D5
B.M. #5
Ex. MH
Ex. YD
Ex. SAN MH
Ex. CB
Ex. DI
Ex. CATV PED
Ex. TEL PED
Ex. TEL MH
Ex. TEL VAULT
Ex. ELEC MH
Ex. ELEC VAULT
Ex. ELEC PED
Ex. GAS VALVE
Ex. WATER VALVE
Ex. WATER MH
Ex. WATER METER
Ex. SIGN
Ex. MAILBOX
Ex. LIGHT POLE
Ex. UTILITY POLE
Ex. GUY WIRE
Ex. R/W
OH-E
OH-T
SAN
TMP
SH
WL
4" G
8" CPP
18" CPP
24"
30"
12"

BENCHMARK #5 ELEV. 943.45

MAG NAIL IN POWER POLE SOUTHEAST CORNER INTERSECTION OF GREENVILLE ROAD AND SHARPSBURG ROAD.

	50+00	51+00	52+00	53+00	54+00	55+00
PROPOSED FACE OF WALK ELEVATIONS	941.90	941.37	940.81	940.25	939.69	939.13	938.57	938.01	937.45	937.14	936.94	936.74	936.54	936.34	936.23	936.36
EXISTING CENTERLINE ELEVATIONS	942.21	942.20	942.61	942.21	942.02	941.71	941.07	940.41	939.72	939.12	938.62	938.13	937.71	937.41	937.26	937.10	936.93	936.80	936.79

NO CURVE
PVI 51+16.70
ELEV = 941.97

NO CURVE
STA = 51+27.00
ELEV = 941.89

-0.84%

Ex. SAN MH
STA. 52+36, 32' LT.
TOP EL. = 938.41'
E 8" (W) = 930.93'
E 8" (NE) = 924.56'
E 8" (W) = 924.56'
E 8" (SE) = 924.56'

8" SAN.

2.24%

NO CURVE
PVI 53+33.00
ELEV = 937.27

-0.80%

Ex. YD
STA. 54+48, 38' LT.
TOP EL. = 935.60'
E 48" (N) = 928.45'
E 4" (NE) = 934.30'
E 6" (N) = 934.40'
E 6" (E) = 934.35'
E 48" (S) = 928.45'

Ex. SAN MH
STA. 54+83, 28' RT.
TOP EL. = 936.11'
E 8" (NW) = 925.61'
E 8" (SE) = 925.61"

NO CURVE
PVI 54+68.00
ELEV = 936.19

-0.53%

YARD DRAIN, AS PER PLAN #5
Sta. 54+67, 26' LT.
Top El. = 935.06'

48" RCP

48" RCP

8" SAN.

TIE INTO Ex. 48" RCP
APPROX. TOP OF
PIPE ELEV. 932.44

8" SAN.
63"x98" CMP

HORIZONTAL SCALE IN FEET
0 10 20 40

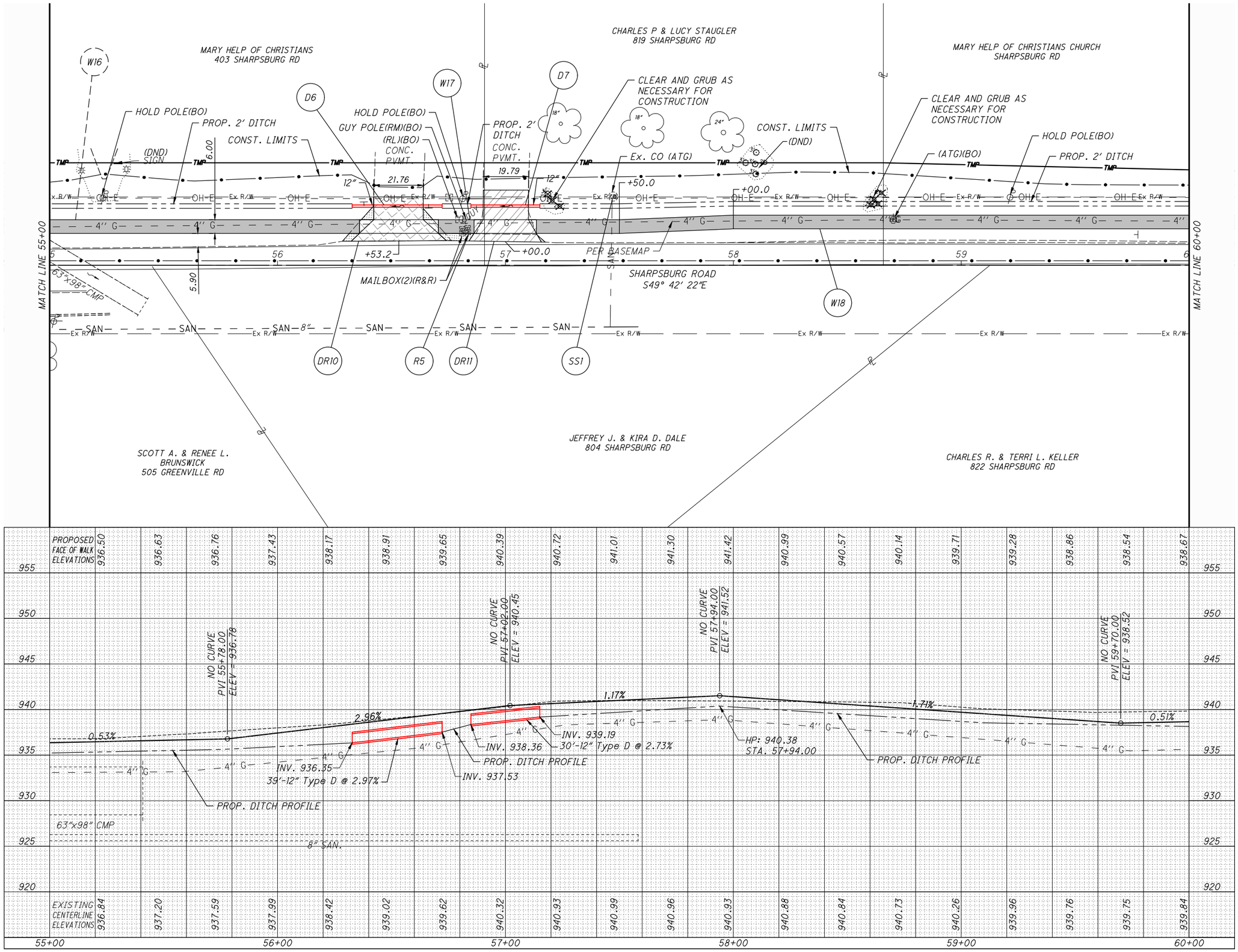
PLAN AND PROFILE - SHARPSBURG ROAD
STA. 50+00 to STA. 55+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.22
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - SHARPSBURG ROAD
STA. 55+00 to STA. 60+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.23
TOTAL	84

MARY HELP OF CHRISTIANS CHURCH
SHARPSBURG RD

FT RECOVERY LOCAL SCHOOL BOARD OF EDUCATION
865 SHARPSBURG RD

W18 | D8 | EC1

CONST. LIMITS | MH#6 | MASONRY COLLAR | VFS #1 | MAILBOX(R&R) | Ex. MH(DND) | PI Sta. 62+41.15 | (ATG)(BO)

+50.0 | +34.3 | +40.0 | +55.0 | +90.0 | +75.0 | +35.7 | +28.2 | +40.7 | +48.2 | +80.0 | +75.0

11.00 | 6.00 | 6.25

30" CPSLP | 4" G | Ex R/W | TMP | OH E | 10" W | Ex U

MATCH LINE 60+00 | MATCH LINE 65+00

61 | 62 | 63 | 64

S49° 42' 22"E

PER BASEMAP

SHARPSBURG ROAD
S49° 43' 58"E

53"x83" RCP | 2.39 | 30" CPSLP | 5'-30" CONDUIT, Type C @ 1.00% | MASONRY COLLAR | B.M. #4 | R6

NOTE: EXISTING RIGHT-OF-WAY AND EASEMENT SHALL BE LOCATED AND MARKED FROM STA. 64+50 TO STA. 64+75 PRIOR TO AND DURING CONSTRUCTION.

CHARLES R. & TERRI L. KELLER
822 SHARPSBURG RD

MICHAEL C. & SUSAN R. THIEN
1828 ST RTE 49

DAVID A. KAUP
844 SHARPSBURG RD

MATTHEW W. & ERIN M. MINOR
7001 SPY RUN

BENCHMARK #4 ELEV. 946.29

BOLT AT TIP OF ARROW ON TOP FLANGE OF FIRE HYDRANT ON THE SOUTH SIDE OF SHARPSBURG ROAD APPROX. 400' NORTHWEST OF THE ENTRANCE TO THE SCHOOL.

PROPOSED FACE OF WALK ELEVATIONS: 938.84 | 940.09 | 940.20 | 940.08 | 940.81 | 941.53 | 942.25 | 942.75 | 943.02 | 943.19 | 943.29 | 943.39 | 943.66 | 944.19 | 944.72 | 945.24 | 945.77 | 946.30 | 946.83 | 947.04

EXISTING CENTERLINE ELEVATIONS: 940.00 | 940.25 | 940.63 | 941.03 | 941.41 | 941.82 | 942.47 | 943.12 | 943.60 | 943.95 | 944.30 | 944.53 | 944.74 | 945.01 | 945.37 | 945.77 | 946.39 | 947.01 | 947.58 | 948.00

960 | 955 | 950 | 945 | 940 | 935 | 930 | 925

NO CURVE PVI 60+24.00 ELEV = 938.79

NO CURVE PVI 60+54.00 ELEV = 940.29

NO CURVE STA = 60+65.00 ELEV = 940.44

NO CURVE PVI 60+91.00 ELEV = 939.82

NO CURVE PVI 61+88.00 ELEV = 942.62

NO CURVE PVI 62+37.00 ELEV = 943.14

NO CURVE PVI 63+15.00 ELEV = 943.45

NO CURVE PVI 64+88.00 ELEV = 947.10

0.51% | 5.00% | 1.32% | -2.36% | 2.89% | 1.06% | 0.39% | 2.11% | -0.53%

EXISTING PIPE INVERT ELEVATIONS AT Ex. JUNCTION CHAMBER ARE UNKNOWN. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS BEFORE ORDERING STORM STRUCTURE.

TYPE 3 STM MH #6
Sta. 60+72, 17' LT.
Top El. = 940.21
℄ 30" (SW) = 935.25'
℄ 30" (SE) = 935.20'

Ex. STM MH **(DND)**
STA. 62+38, 21' LT.
TOP EL. = 943.15'
℄ 30" (SE) = 936.05'
℄ 30" (NW) = 936.05'

MASONRY COLLAR | 4" G | 30" CPSLP | 53"x83" RCP STM | 5'-30" Type C @ 0.51%

Ex. JUNCTION CHAMBER**(TBR)**
(UNKNOWN DEPTH)
TOP EL. = 940.00'
℄ 30" (W) = 935.20'
℄ 30" (E) = 935.20'

PROP. DITCH PROFILE

60+00 | 61+00 | 62+00 | 63+00 | 64+00 | 65+00

HORIZONTAL SCALE IN FEET
0 | 10 | 20 | 40

PLAN AND PROFILE - SHARPSBURG ROAD
STA. 60+00 to STA. 65+00

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.24
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

PLAN AND PROFILE - SHARPSBURG ROAD
STA. 65+00 to STA. 70+00

HORIZONTAL SCALE IN FEET
0 10 20 40

FT RECOVERY LOCAL SCHOOL BOARD OF EDUCATION
865 SHARPSBURG RD

SCHOOL DRIVE

W18 WALL 6" CPP 15" CPSLP R30.00 SH TMP

34"x53" RCP 42" RCP WALL D9 R35.00 PROP. RRFB 12" CPSLP

DND POLE CONST. LIMITS W21 R7 MAILBOX(R&R) DND

+79.1 +20.0 +52.9 +02.9 2.18 6.50 6.00

Ex R/W OH-E T 4" G 30" CPSLP

MATCH LINE 65+00 MATCH LINE 70+00

W19 C5 W20 C6 4.80 PER BASEMAP

66 67 68 69

SHARPSBURG ROAD
S49° 43' 58"E

8" SAN SA 10" W Ex R/W

10'-TYPE 2 COMBINATION CURB AND GUTTER REPLACED

30'-TYPE 2 COMBINATION CURB AND GUTTER REPLACED

MATTHEW W. & ERIN M. MINOR
7001 SPY RUN

DAVID A. KAUP
701 SPY RUN

DILLAN J. & PAIGE E. SCHULZE
890 SHARPSBURG RD

12" CPSLP 30" CPSLP 15" CPSLP SPY RUN

PROPOSED FACE OF WALK ELEVATIONS
946.91 946.91 947.22 947.53 947.83 948.14 948.32 948.24 948.12 948.02 948.48 948.95 949.42 949.88 950.35 950.81 951.28 951.74 952.21 952.67

EXISTING CENTERLINE ELEVATIONS
948.27 948.49 948.66 948.75 948.90 949.04 949.21 949.39 949.57 949.76 950.00 950.25 950.56 950.88 951.23 951.65 952.06 952.51 952.99 953.47

965 960 955 950 945 940 935 930 925

Ex. SAN MH
STA. 65+62, 20' RT.
TOP EL. = 948.55'
E 8" (SE) = 939.82'
E 8" (SW) = 939.82'
E 8" (NW) = 939.82'

NO CURVE
PVI 65+42.00
ELEV = 946.82

NO CURVE
STA = 65+70.47
ELEV = 947.16

NO CURVE
STA = 66+27.15
ELEV = 947.86

NO CURVE
PVI 66+66.00
ELEV = 948.34

NO CURVE
PVI 66+93.00
ELEV = 948.28

NO CURVE
PVI 67+49.00
ELEV = 948.00

Ex. STM MH **(DND)**
STA. 69+04, 25' LT.
TOP EL. = 950.65'
E 30" (SE) = 939.20'
E 30" (NW) = 939.20'

-0.53% 1.23% 1.23% -0.22% -0.50% 1.86%

8" SAN. 30" CPSLP

Ex. STM MH **(DND)**
STA. 65+59, 24' LT.
TOP EL. = 947.70'
E 30" (SE) = 937.07'
E 30" (NW) = 937.07'

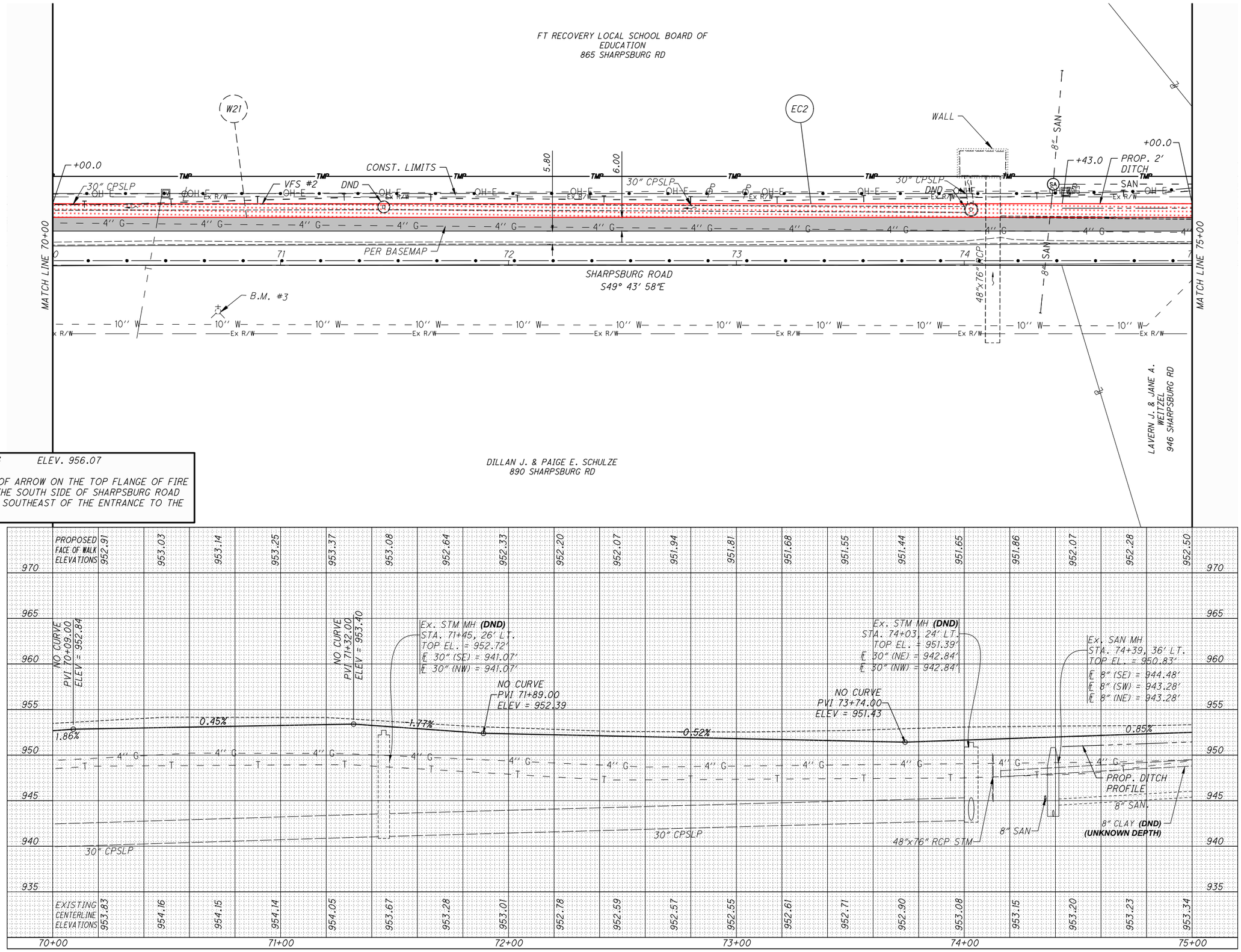
Ex. STM MH **(ATG)**
STA. 66+53, 27' LT.
TOP EL. = 947.99'
PROP. EL. = 948.15
E 30" (SE) = 937.34'
E 12" (NE) = 937.34'
E 30" (NW) = 937.34'

65+00 66+00 67+00 68+00 69+00 70+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.25 TOTAL 84

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BENCHMARK #3 ELEV. 956.07

BOLT AT TIP OF ARROW ON THE TOP FLANGE OF FIRE HYDRANT ON THE SOUTH SIDE OF SHARPSBURG ROAD APPROX. 500' SOUTHEAST OF THE ENTRANCE TO THE SCHOOL.

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - SHARPSBURG ROAD
STA. 70+00 to STA. 75+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.26
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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CHRISTOPHER A. HARTINGS
961 SHARPSBURG RD

BRETT & JENNIFER ELLENBERGER
967 SHARPSBURG RD

NICHOLAS C. & KRISTINA M. WEHRKAMP
979 SHARPSBURG RD

NICHOLAS C. & KRISTINA M.
WEHRKAMP
979 SHARPSBURG RD

MATCH LINE 75+00

MATCH LINE 80+00

PROP. 2' DITCH

VALVE(ATG)

F.H. EXTEND AND ADJUST TO GRADE VALVE BOX (ATG)

WW4

WW5

W21

W22

W23

W24

DR12

D10

DR13

R9

DR14

R8

R10

R11

CONC. PVMT.

36.92

43.08

39.79

CONST. LIMITS

6.00

5.04

+39.0

+04.5

+62.1

+33.4

PER BASEMAP

SHARPSBURG ROAD
S49° 43' 58"E

8" CLAY **(DND)**

MAILBOX(R&R)

MAILBOX(2)(R&R)

(RL)(BO)

B.M. #2

RYAN J. & CASEY M.
STEINBRUNNER
980 SHARPSBURG RD

LAVERN J. & JANE A. WEITZEL
946 SHARPSBURG RD

BENCHMARK #2 ELEV. 960.09

BOLT AT TIP OF ARROW ON TOP FLANGE OF FIRE HYDRANT ON THE SOUTH SIDE OF SHARPSBURG ROAD AT 979 SHARPSBURG ROAD. FH #018.

PROPOSED FACE OF WALK ELEVATIONS

EXISTING CENTERLINE ELEVATIONS

952.71 952.92 953.69 954.44 954.93 955.51 956.27 956.90 957.52 958.15 958.30 958.37 958.44 958.51 958.58 958.65 958.72 958.79 958.78 958.65

953.48 953.75 954.07 954.56 955.14 955.68 956.40 957.09 957.61 958.05 958.24 958.34 958.43 958.56 958.66 958.63 958.67 958.78 958.90 959.02

NO CURVE
PVI 75+61.00
ELEV = 953.01

NO CURVE
STA = 75+84.00
ELEV = 954.12

NO CURVE
PVI 76+45.00
ELEV = 955.32

NO CURVE
STA = 76+62.00
ELEV = 955.95

NO CURVE
PVI 77+54.00
ELEV = 958.25

NO CURVE
PVI 79+65.00
ELEV = 958.83

4.82% 1.96% 3.71% 2.50% 0.28% -0.52% 0.85%

INV. 952.14

INV. 953.06

50'-12" Type D @ 1.85%

8" SAN.

PROP. DITCH PROFILE

Ex. SAN MH
STA. 77+92, 36' LT.
TOP EL. = 958.22'
E 8" (NW) = 949.67'
E 8" (SE) = 949.67'

8" CLAY **(DND)**
(UNKNOWN DEPTH)

8" SAN.

75+00 76+00 77+00 78+00 79+00 80+00

975 970 965 960 955 950 945 940

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - SHARPSBURG ROAD
STA. 75+00 to STA. 80+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.27
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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MINDY K. LUSTER
0 FLALER RD

MINDY K. LUSTER
1751 FLALER RD

NICHOLAS C. & KRISTINA M. WEHRKAMP
979 SHARPSBURG RD

CONST. LIMITS

R175.00'

R30.00'

FLALER ROAD

N40° 18' 16"E

EP Sta. 85+00.00

MATCH LINE 80+00

R12

W24

6.00

5.66

(RL)(BO)

CONST. LIMITS

PER BASEMAP

SHARPSBURG ROAD
S49° 43' 58"E

MAILBOX(R&R)

W25

SIGN

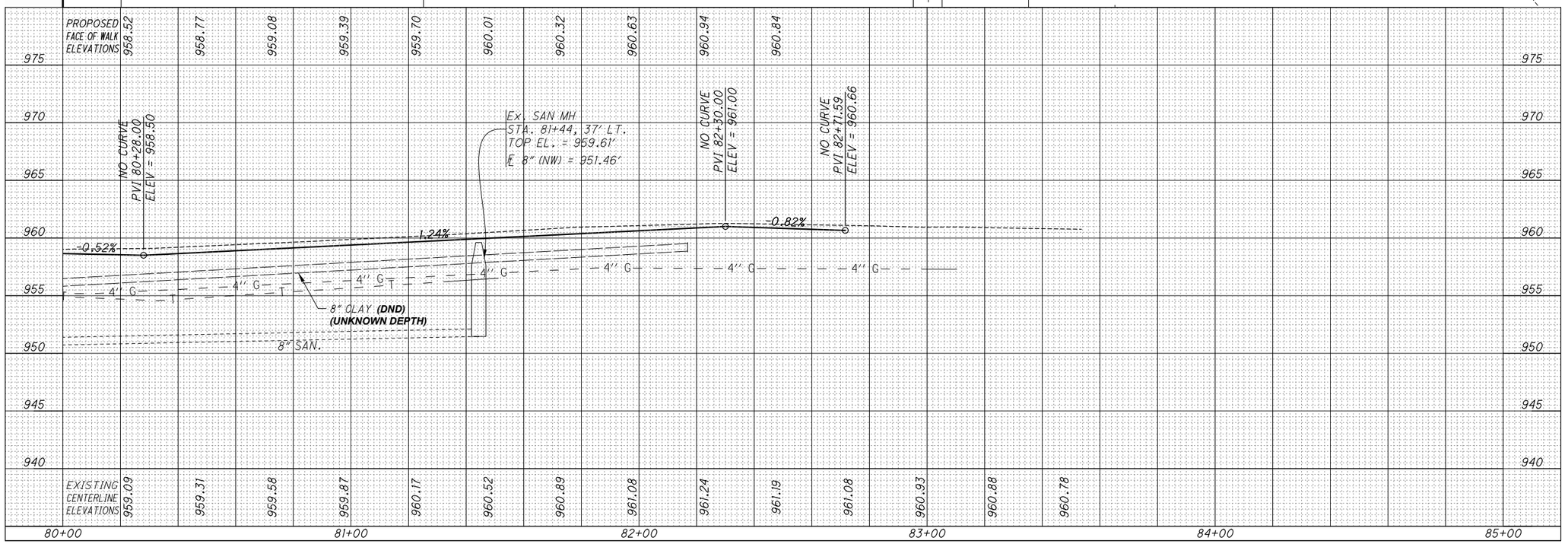
Ex. DROP

NATHAN S. BRUNS & STEPHANIE ALBERS
988 SHARPSBURG RD

NATHAN S. BRUNS & STEPHANIE ALBERS
INDUSTRIAL DR

GIBSON TOWNSHIP
0 INDUSTRIAL DR

HORIZONTAL SCALE IN FEET
0 10 20 40



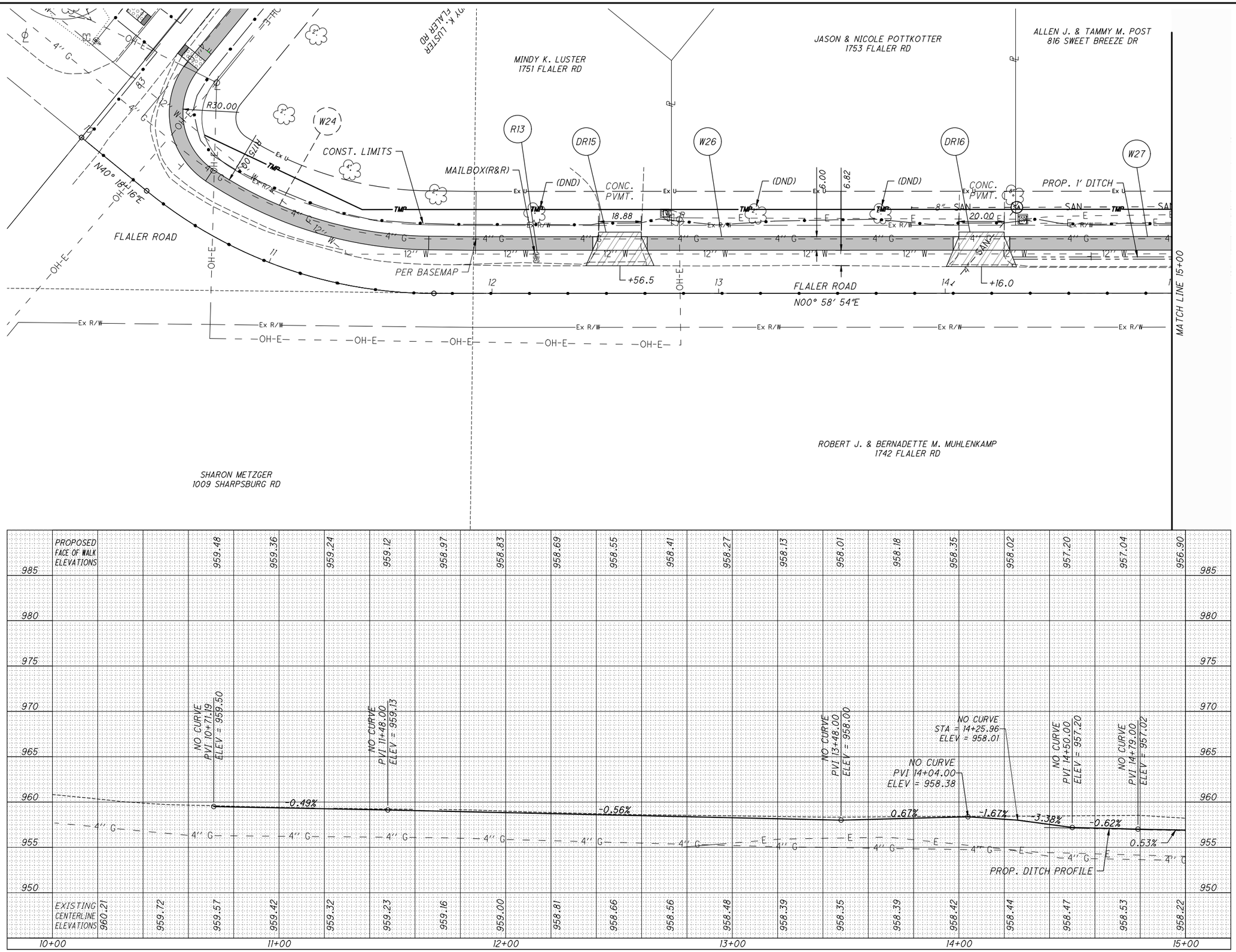
PLAN AND PROFILE - SHARPSBURG ROAD
STA. 80+00 to STA. 85+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.28
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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HORIZONTAL SCALE IN FEET
0 10 20 40

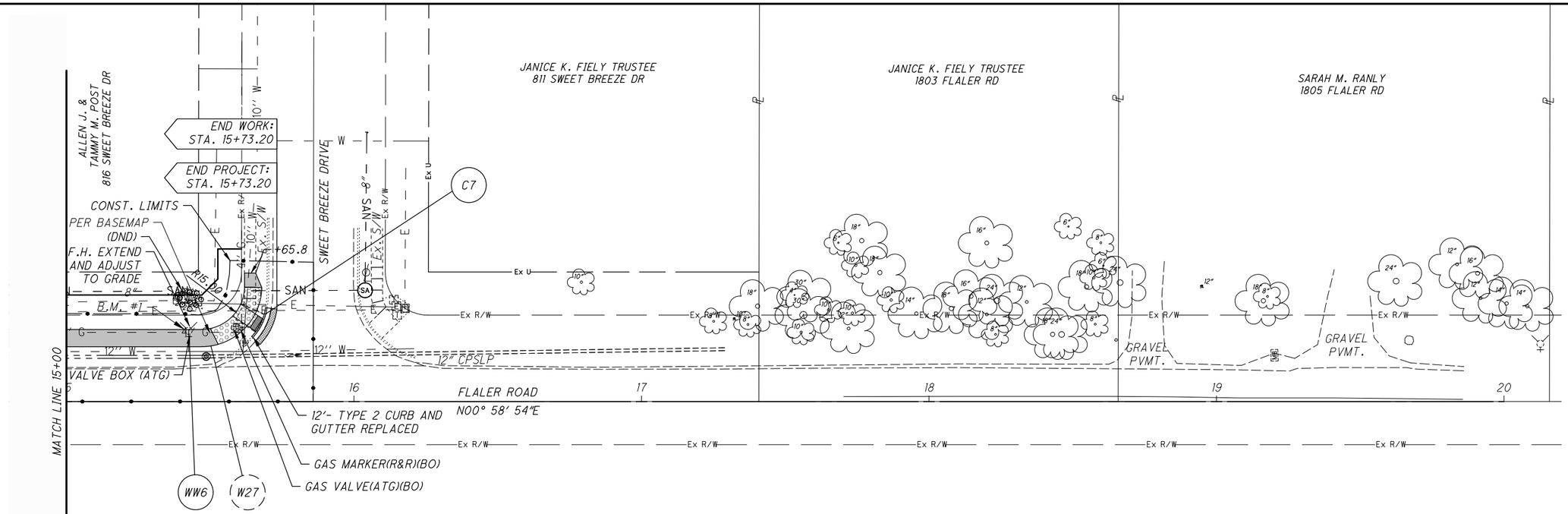
PLAN AND PROFILE - FLALER ROAD
STA. 10+00 to STA. 15+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

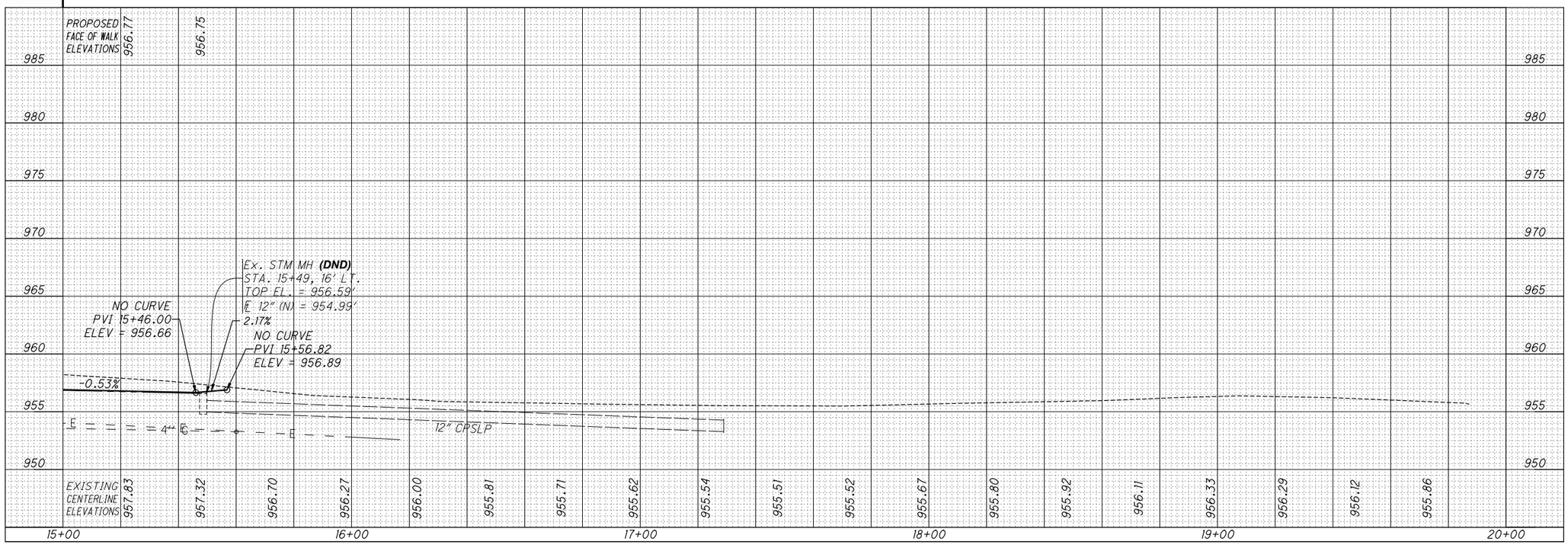
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.29
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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BENCHMARK #1 ELEV. 958.48
BOLT AT TIP OF ARROW ON TOP FLANGE OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF SWEET BREEZE DRIVE AND FLALER ROAD.



MER - FT. RECOVERY SIDEWALKS

PLAN AND PROFILE - FLALER ROAD
STA. 15+00 to STA. 20+00

HORIZONTAL SCALE IN FEET
0 10 20 40

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.30
TOTAL	84

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PLAN AND PROFILE - FT. RECOVERY DAIRY
STA. 19+00 to STA. 24+00

HORIZONTAL SCALE IN FEET
0 10 20 40

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.31
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

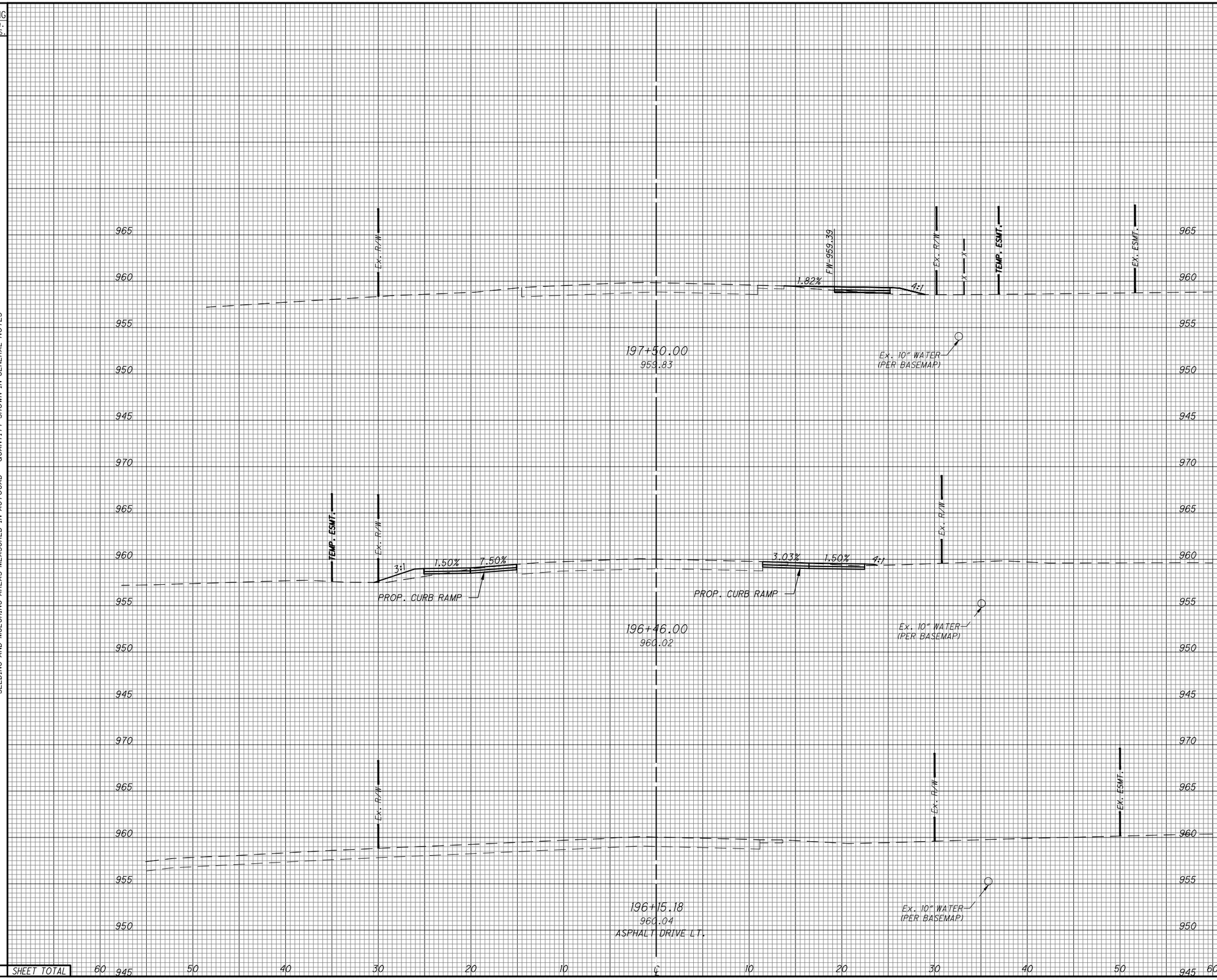
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MER - FT. RECOVERY SIDEWALKS

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SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		0	2.8		
				0	12.7
		0	3.8		
				0	2.2
		0	0		
				0	0
SHEET TOTAL		0	6.6	0	14.9



CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 196+15.18 TO STA. 197+50.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

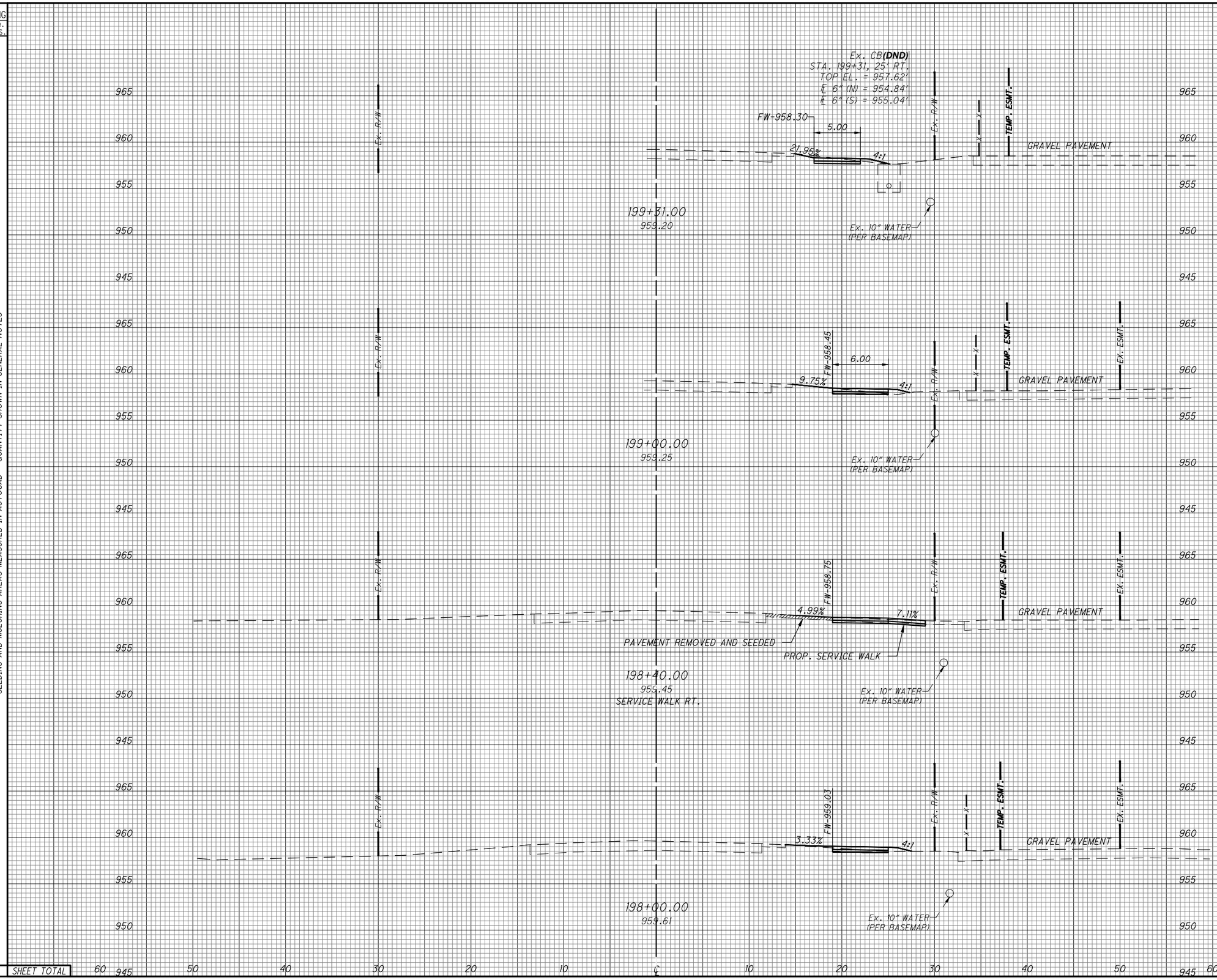
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.32
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0.6	0.6		
		0.3	0.9
0	0.9		
		2.7	3.7
2.4	2.4		
		1.8	2.6
0	1.1		
		0	3.6
SHEET TOTAL			
3.0	5.0	4.8	10.8

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 198+00 TO STA. 199+31.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.33
TOTAL	84

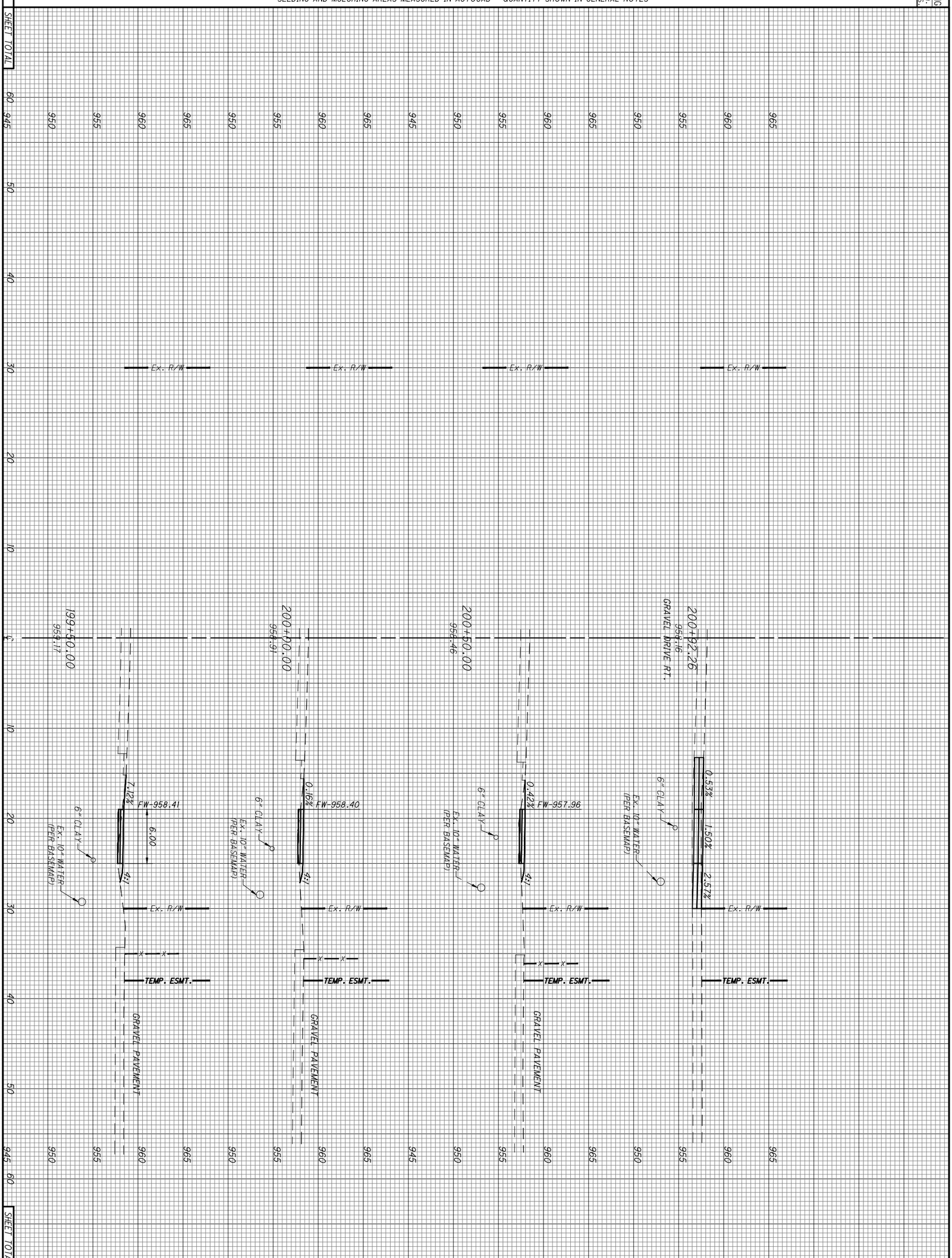
MER - FT. RECOVERY SIDEWALKS

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SEEDING END SQ. WIDTH YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SHEET TOTAL



SHEET TOTAL

END AREA	CUT	FILL
	0	0
	1.0	1.1
	0	0
	1.3	0
	0	0

VOLUME	CUT	FILL
	0.2	0.6
	0	1.9
	0	2.2
	0	1.0
	3.4	0.2
	5.7	

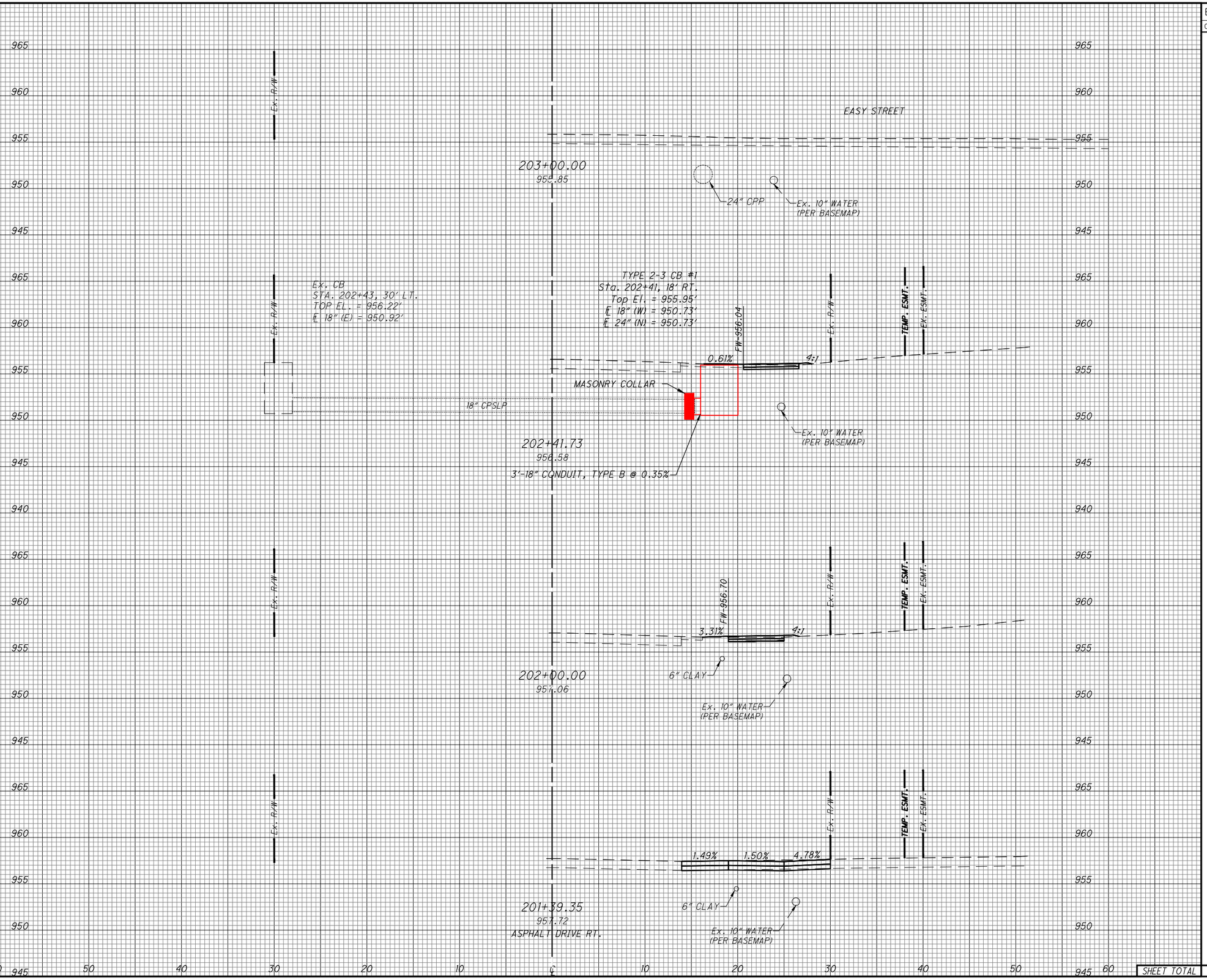
DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.34
TOTAL 84

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 199+50.00 TO STA. 200+92.26

MER - FT. RECOVERY SIDEWALKS

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		0	0.2
0	0.2		
		0	0.5
		0	0.4
0	0.4		
		0	0
0	0		
		0	0
SHEET TOTAL	0	0.6	0	1.1

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 201+39.35 TO STA. 203+00.00

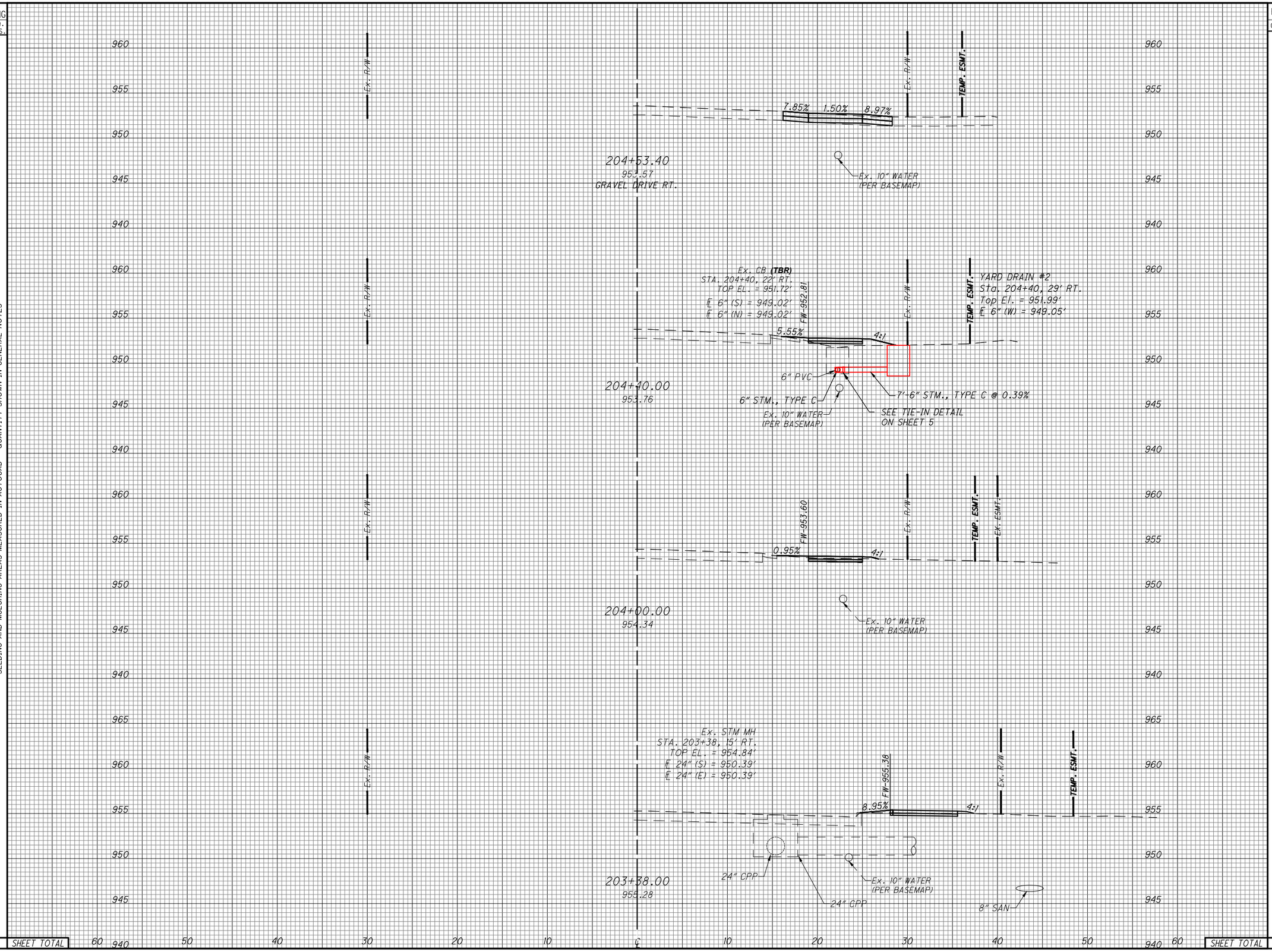
DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.35
TOTAL	84

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SEEDING	
END WIDTH	SQ. YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		0	0.9
0	3.5		
		0	3.0
0	0.6		
		0	1.6
0	0.8		
		0	0.6
SHEET TOTAL 0	4.9	0	6.1

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 203+38.00 TO STA. 204+53.40

MER - FT. RECOVERY SIDEWALKS

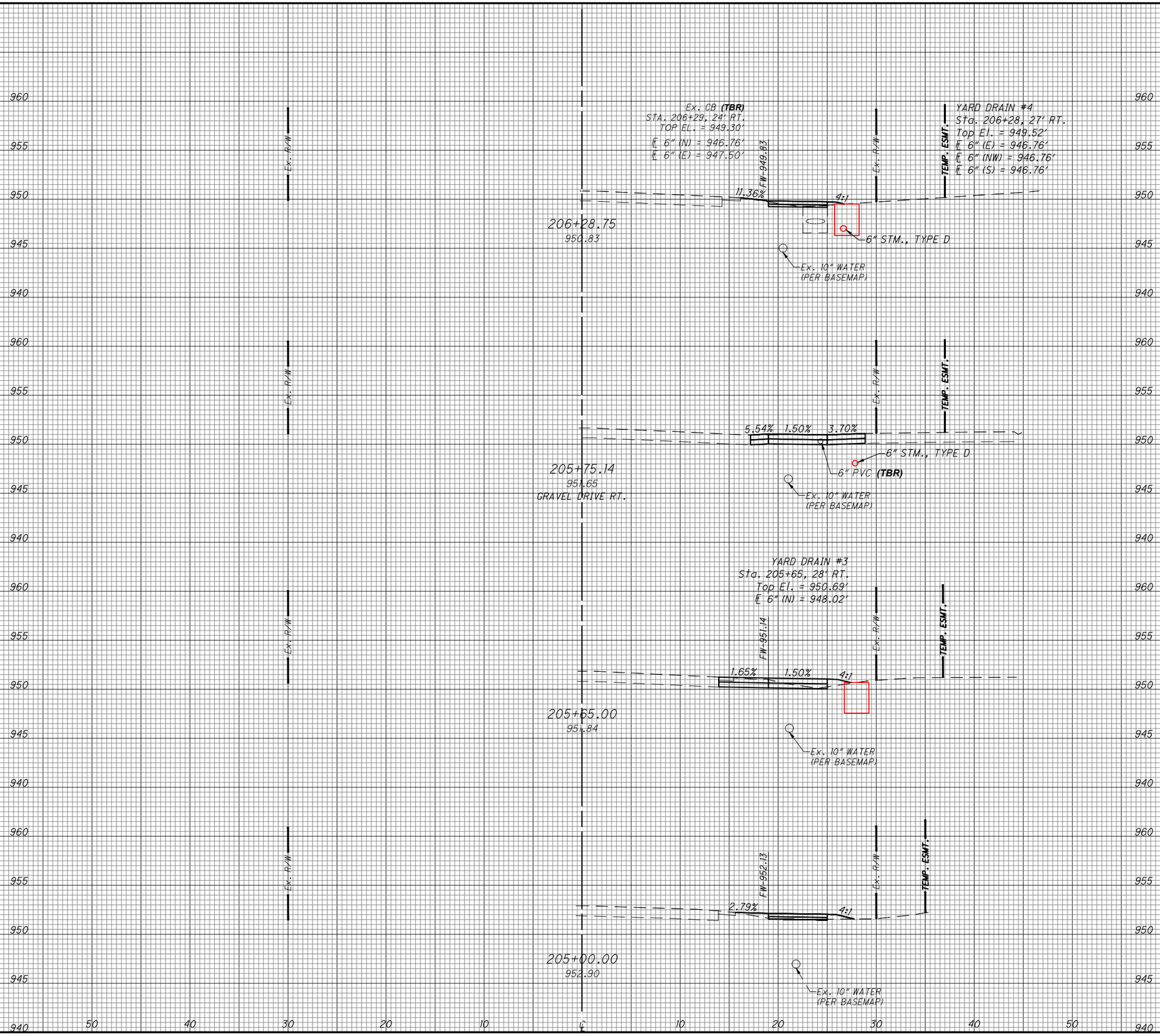
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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.36
TOTAL	84

SEEDING	
END WIDTH	SQ. YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0.4		
		0	0.4
0	0		
		0	0.2
0	1.2		
		0	3.5
0	1.7		
		9.8	1.5
SHEET TOTAL			
0	3.3	0	5.6

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 205+00.00 TO STA. 206+28.75

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.37
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

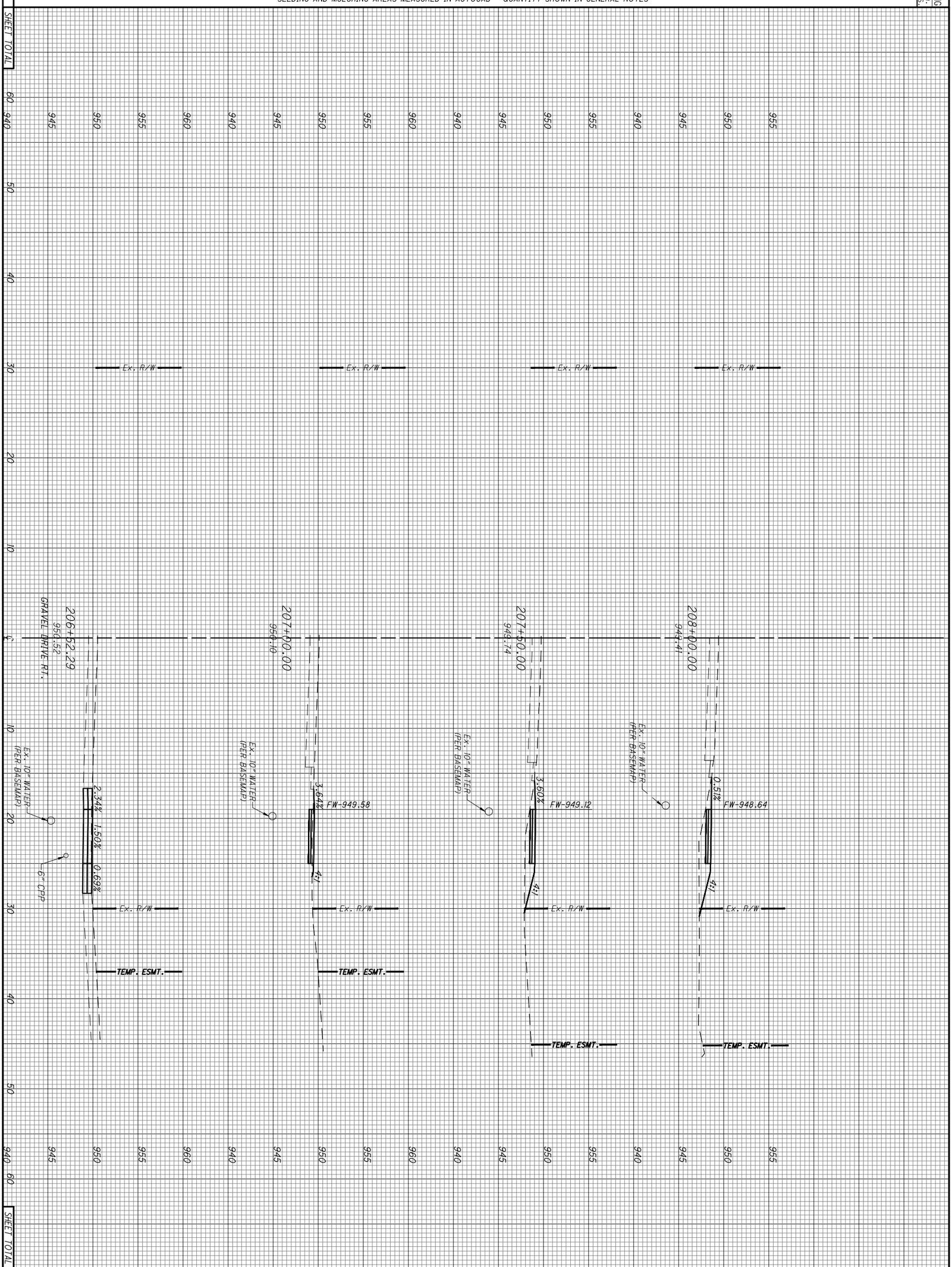
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MER - FT. RECOVERY SIDEWALKS

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SEEDING END SEC. WIDTH TOS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



	206+52.29	207+00.00	207+50.00	208+00.00
END AREA CUT	0	0	0	0
END AREA FILL	16.3	0	0.3	7.1	8.9
VOLUME CUT	0	0	0	0
VOLUME FILL	22.2	0.2	0.3	6.9	14.8

DESIGN AGENCY: CHOICE ONE ENGINEERING

DESIGNER: WJW

REVIEWER: MKG 11-08-24

PROJECT ID: 117201

SHEET: P.38 | TOTAL: 84

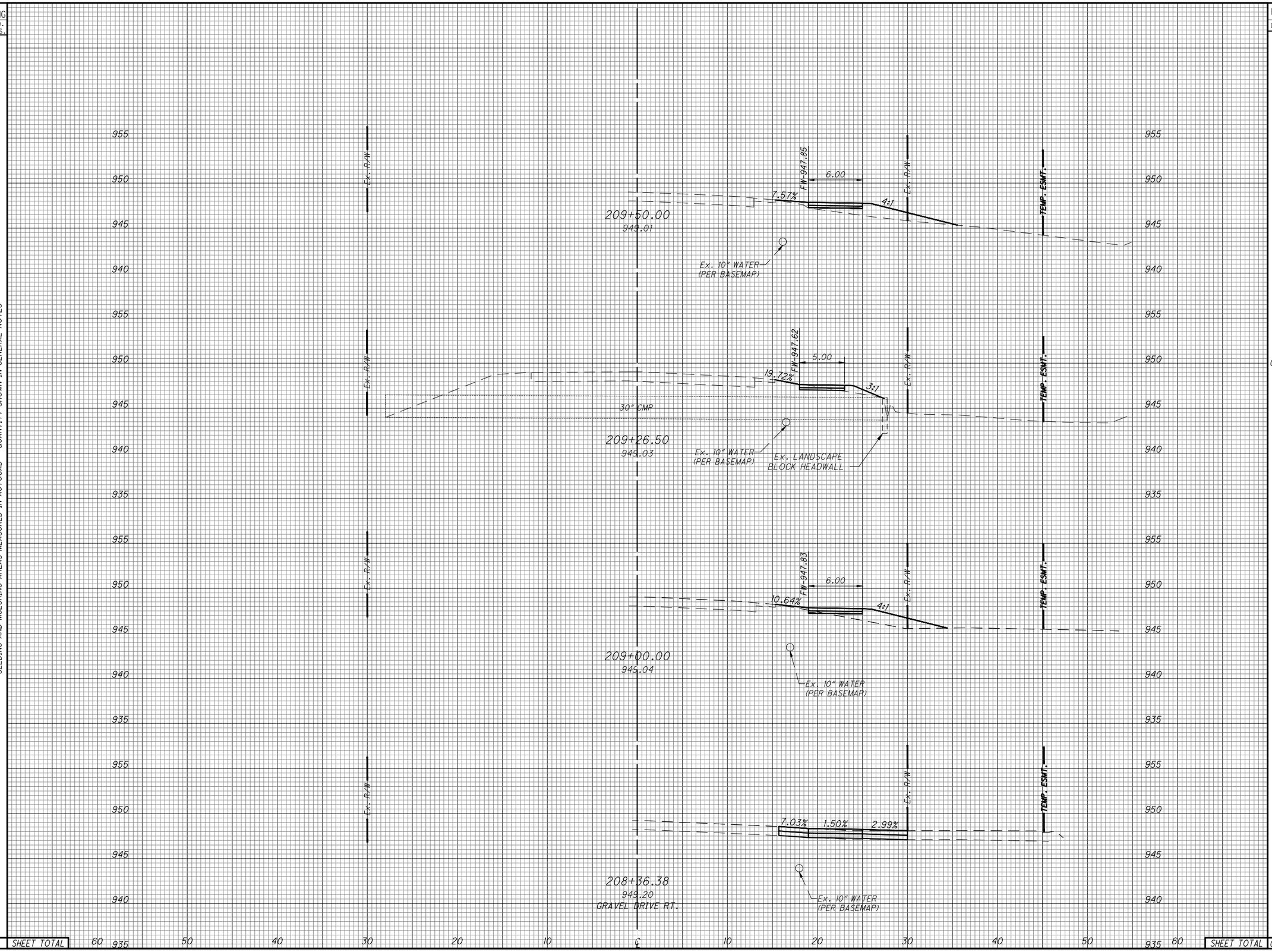
CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 206+52.29 TO STA. 208+00.00

MER - FT. RECOVERY SIDEWALKS

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SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	11.6		
		0.1	11.8
0.2	1.9		
		0.1	6.5
0	11.3		
		0	13.3
0	0		
		0	6.0
SHEET TOTAL 0.2	24.8	0.1	37.6

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 208+36.38 TO STA. 209+50.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.39
TOTAL	84

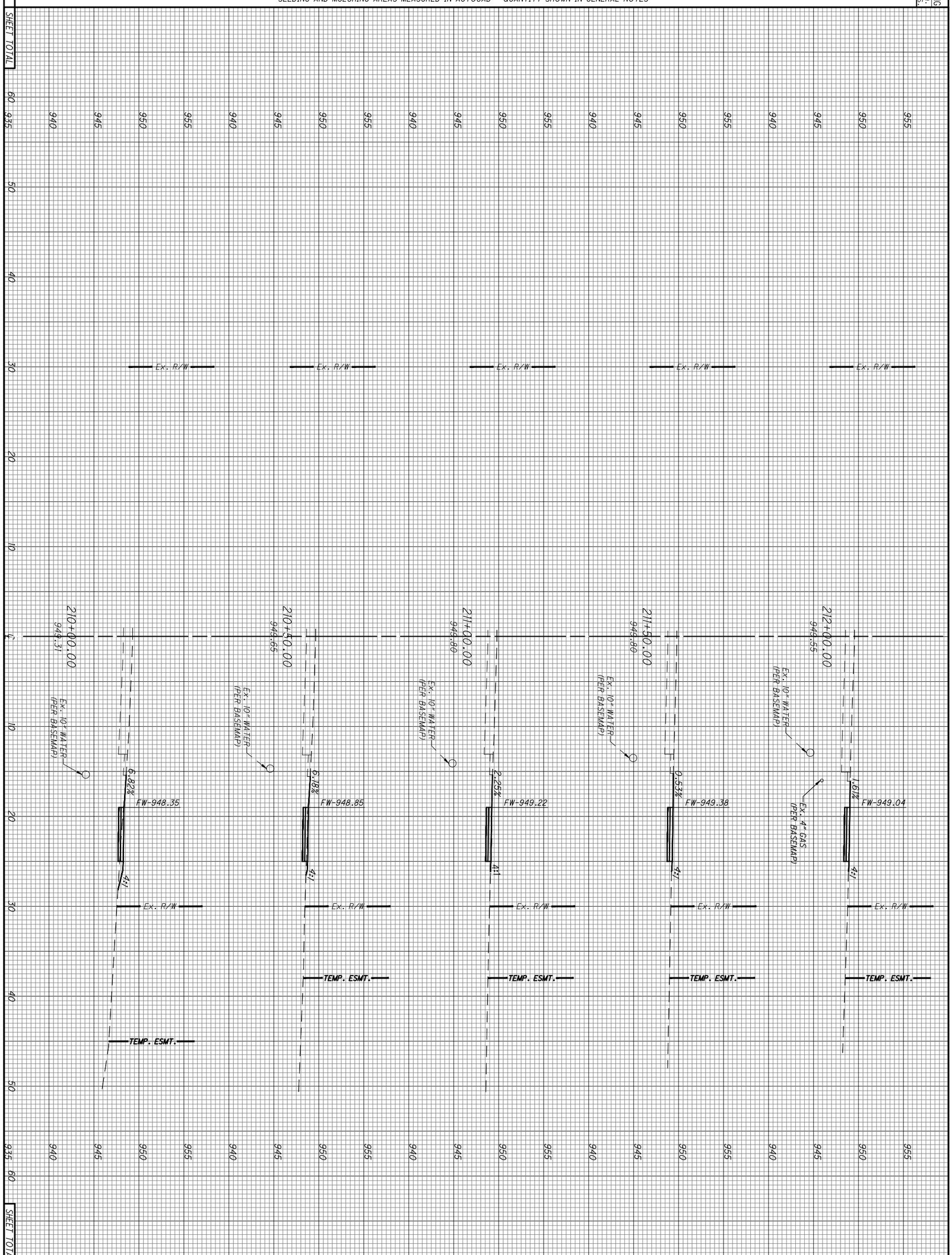
MER - FT. RECOVERY SIDEWALKS

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SEEDING END SQ. WIDTH YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SHEET TOTAL



SHEET TOTAL

END AREA	CUT	0.4	1.0	0.8	12.6
	FILL	0	0	0	11.5
VOLUME	CUT	0.8	0	0.4	0
	FILL	0	0.2	0.9	0.2
		0	0	0.4	0
		0	0	0	0
		0	0	0	0

DESIGN AGENCY: CHOICE ONE ENGINEERING

DESIGNER: WJW

REVIEWER: MKG 11-08-24

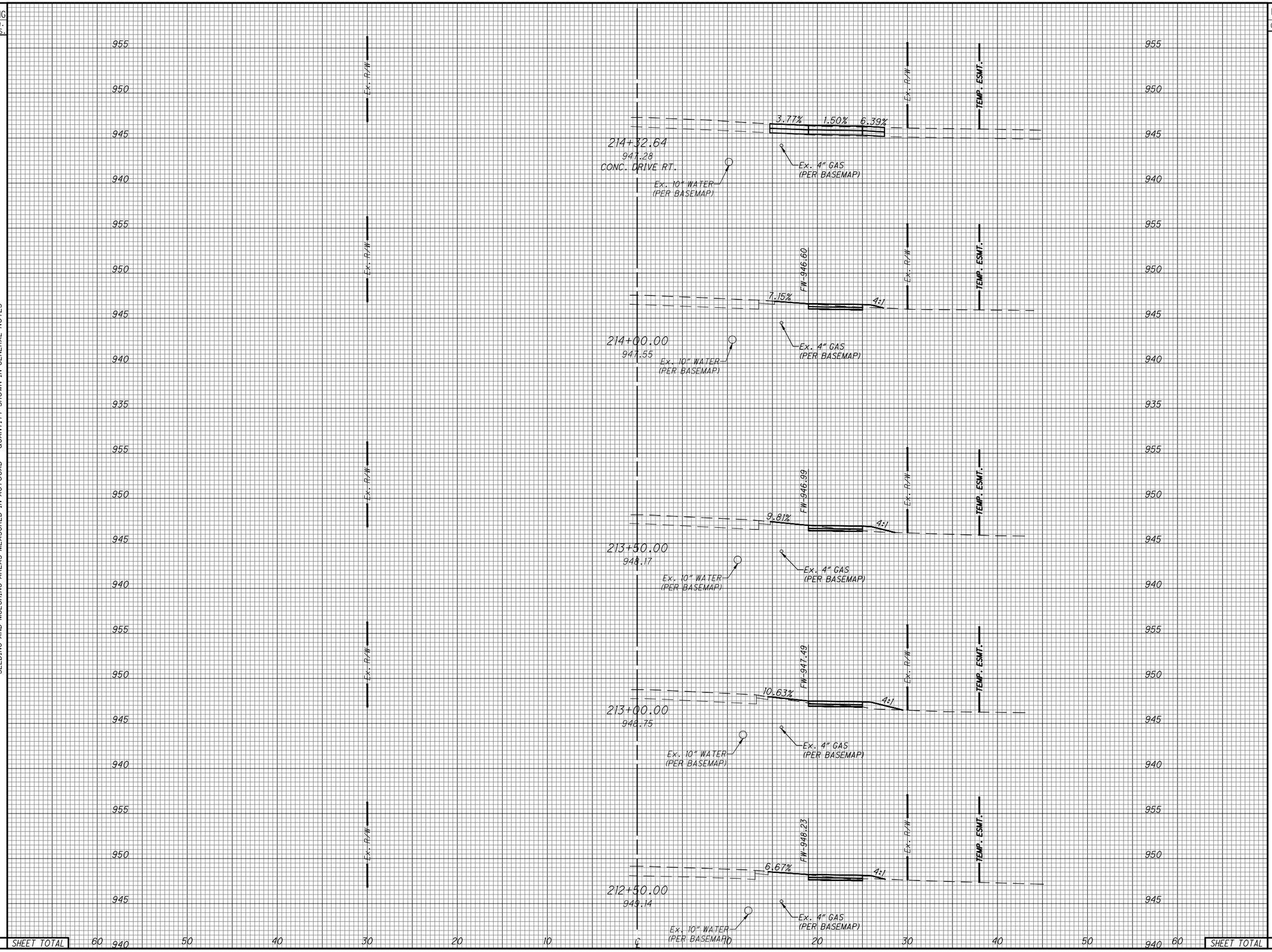
PROJECT ID: 117201

SHEET: P.40 | TOTAL: 84

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 210+00.00 TO STA. 212+00.00

SEEDING	
END WIDTH	SQ. YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		0	0.3
0	0.5		
		0	1.6
0	1.2		
		0	3.3
0	2.4		
		0	2.8
0	0.6		
		0	0.6
SHEET TOTAL			
0	4.7	0	8.6

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 212+50.00 TO STA. 214+32.64

DESIGN AGENCY

CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.41
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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SEEDING	
END WIDTH	SQ. YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

END AREA		VOLUME	
CUT	FILL	CUT	FILL
2.5	8.4		
		0.8	2.5
0.5	0.7		
		0.4	0.8
0.3	0.9		
		0.2	2.5
0	1.1		
		14.7	1.4
SHEET TOTAL		16.1	7.2

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 215+00.00 TO STA. 215+75.00

DESIGN AGENCY

CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.42
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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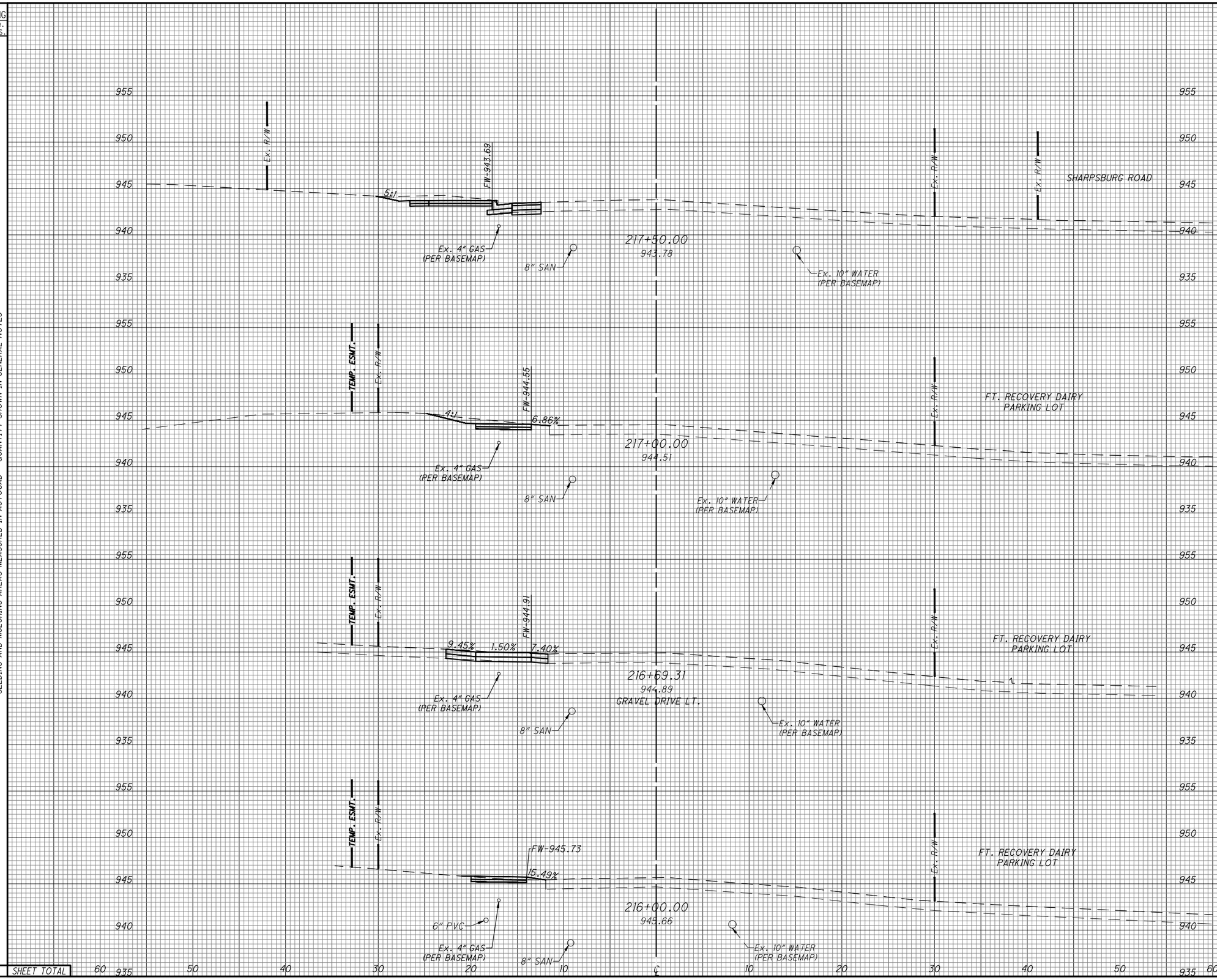
MER - FT. RECOVERY SIDEWALKS

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 216+00.00 TO STA. 217+50.00

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

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SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		8.5	0		
				10.9	0
		3.3	0		
				1.9	0
		0	0		
				0	0.4
		0	0.3		
				1.2	4.0
SHEET TOTAL		11.8	0.3	12.8	4.4



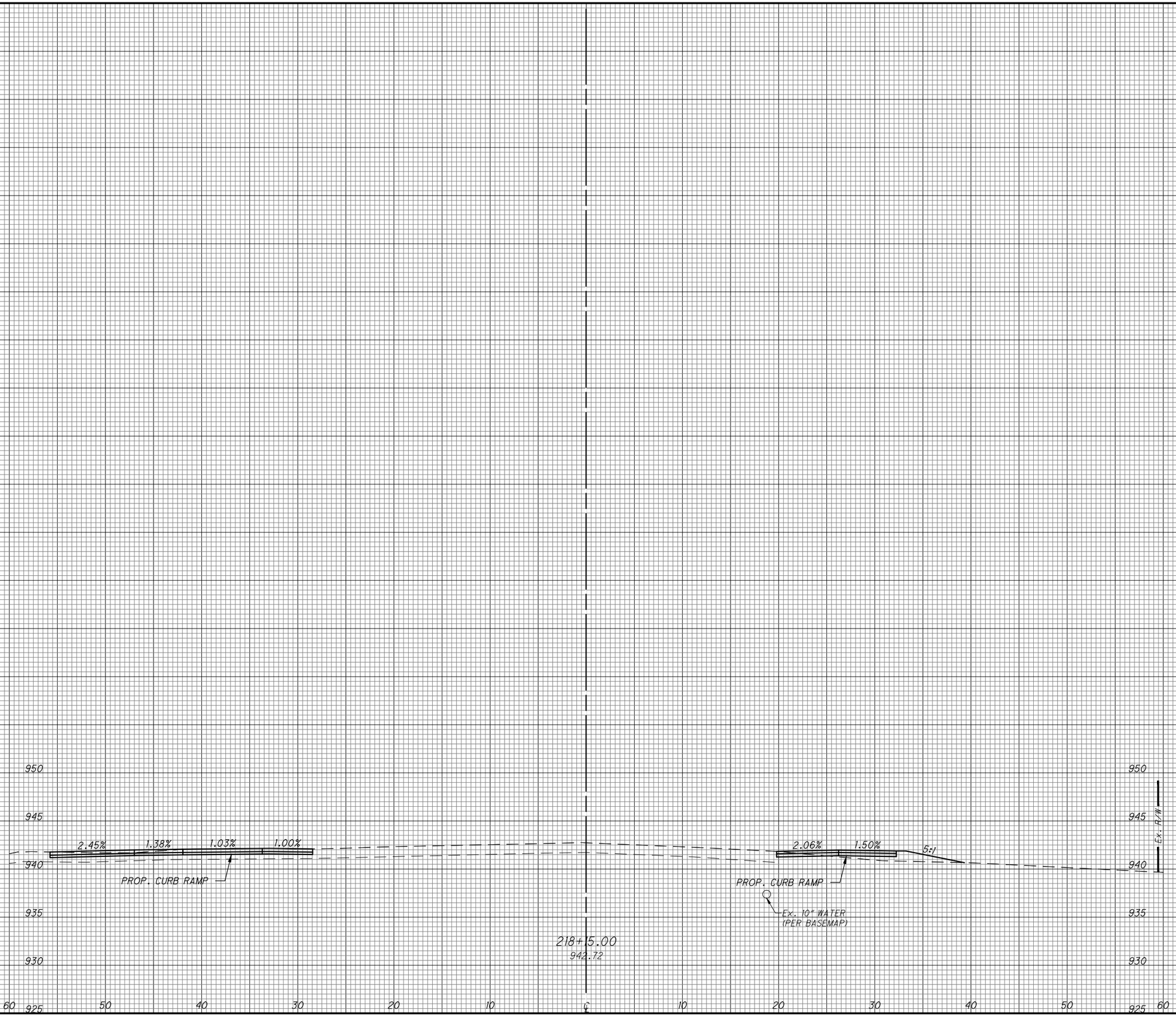
DESIGN AGENCY	CHOICE ONE ENGINEERING
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.43
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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SEEDING	
END WIDTH	SQ. YDS.
SHEET TOTAL	

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	6.4		
		10.2	7.7
SHEET TOTAL	0.0	6.4	10.2	7.7
SR 49 TOTAL			45	145

CROSS SECTIONS - GREENVILLE ROAD/SR 49
STA. 218+15.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

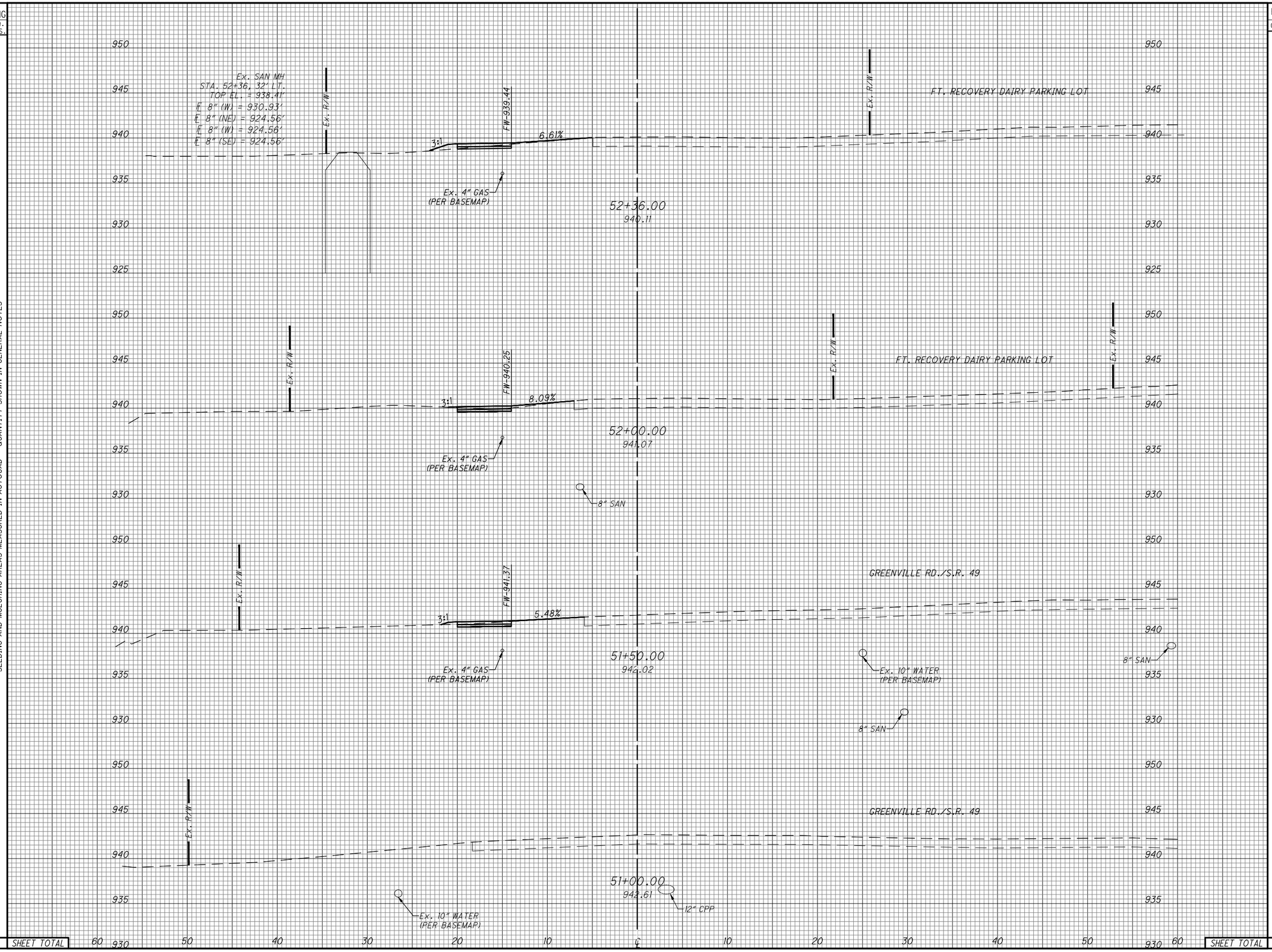
SHEET P.44 | TOTAL 84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:43 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	1.8		
		0	1.7
0	0.7		
		0	1.0
0	0.4		
		0	0.4
0	0		
SHEET TOTAL	0 2.9	0	3.1

CROSS SECTIONS - SHARPSBURG ROAD
STA. 51+00.00 TO STA. 52+36.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

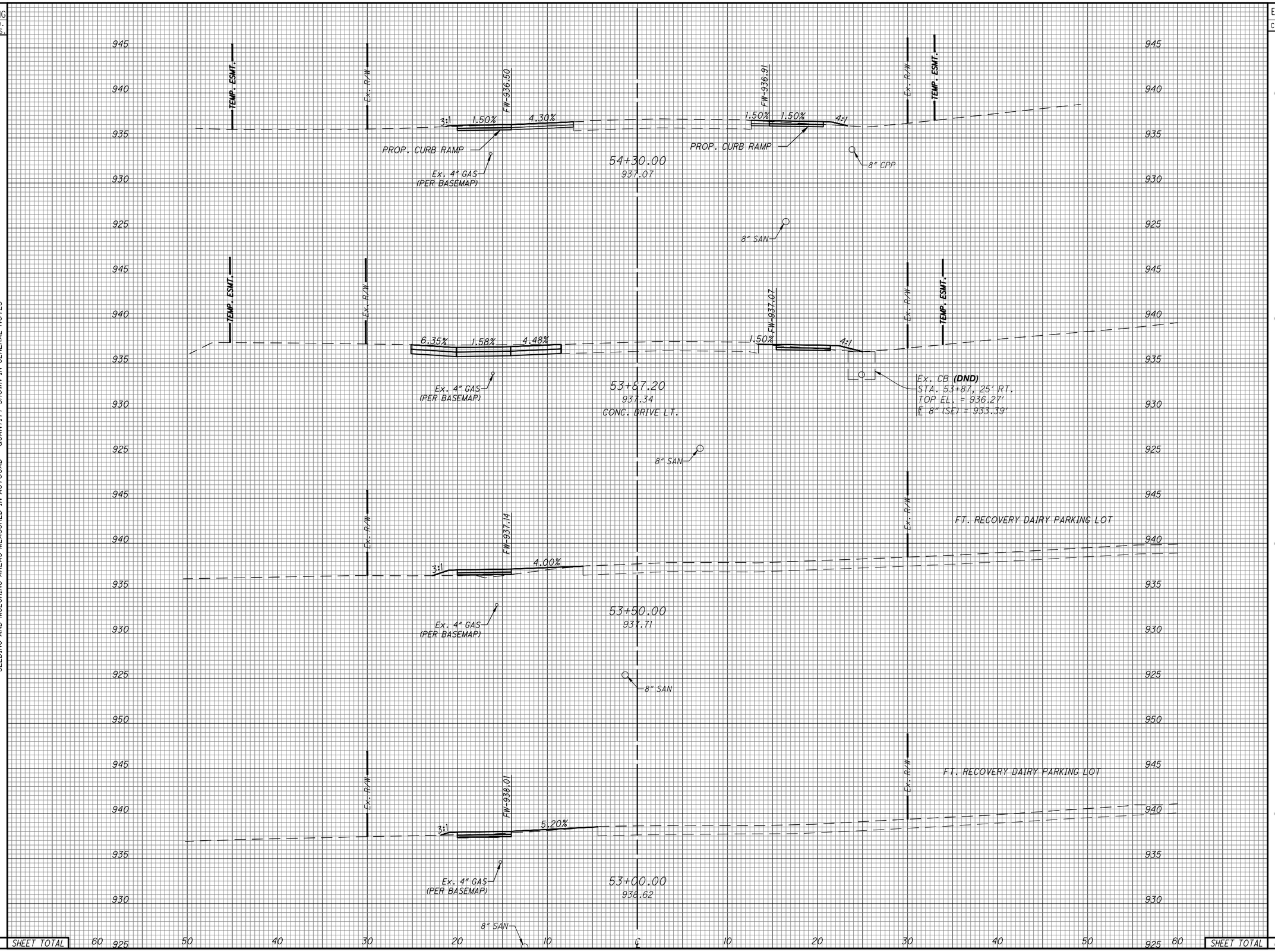
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.45
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:43 AM

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		0	0.7		
				0	1.2
		0	1.2		
				0	4.5
		0	4.1		
				0	5.0
		0	1.3		
				0	3.7
SHEET TOTAL	60	0	7.3	0	14.4



CROSS SECTIONS - SHARPSBURG ROAD
STA. 53+00.00 TO STA. 54+30.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

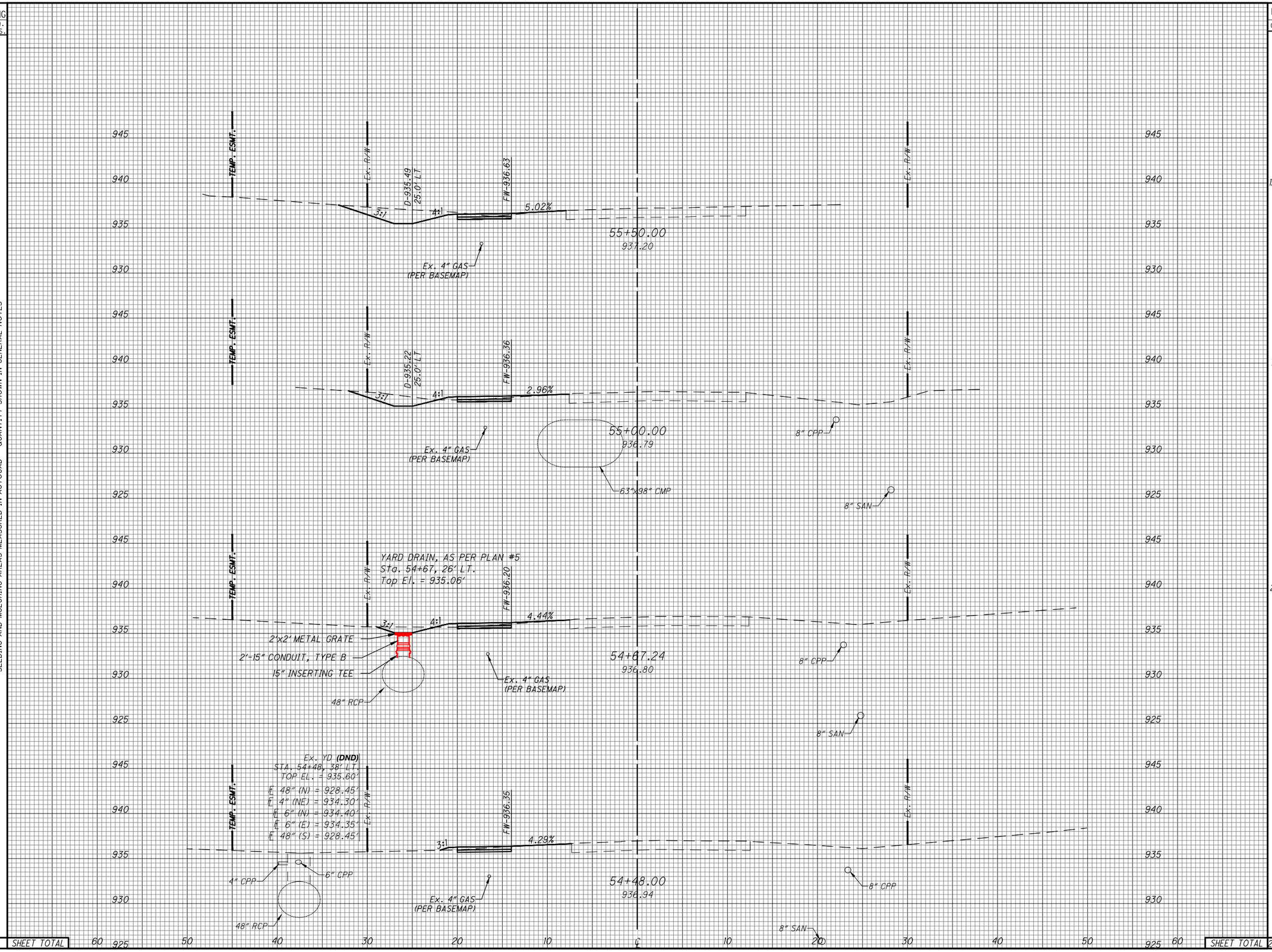
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.46
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:44 AM

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
12.7	0.2		
		20.7	1.1
7.2	1.0		
		6.0	1.0
2.7	0.7		
		1.0	0.4
0	0.4		
		0	0.4
SHEET TOTAL 22.6	2.3	27.7	2.9

CROSS SECTIONS - SHARPSBURG ROAD
STA. 54+48.00 TO STA. 55+50.00

DESIGN AGENCY

CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.47
TOTAL	84

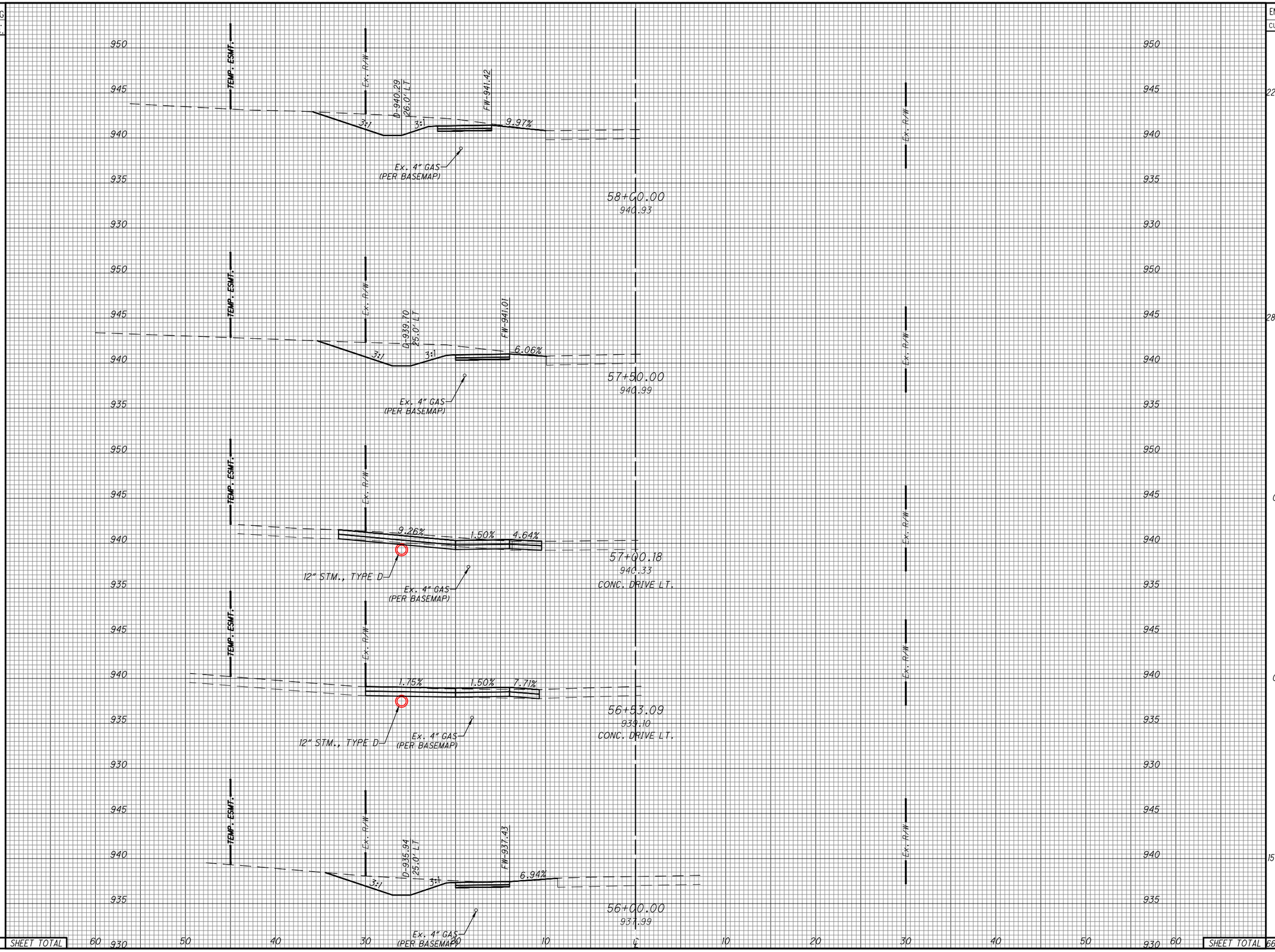
MER - FT. RECOVERY SIDEWALKS

CROSS SECTIONS - SHARPSBURG ROAD
STA. 56+00.00 TO STA. 58+00.00

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:45 AM

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		22.9	0		
				47.1	0
		28.0	0		
				25.8	0
		0	0		
				0	0
		0	0		
				15.5	0.2
		15.8	0.2		
				26.4	0.4
SHEET TOTAL		66.7	0.2	88.4	0.6



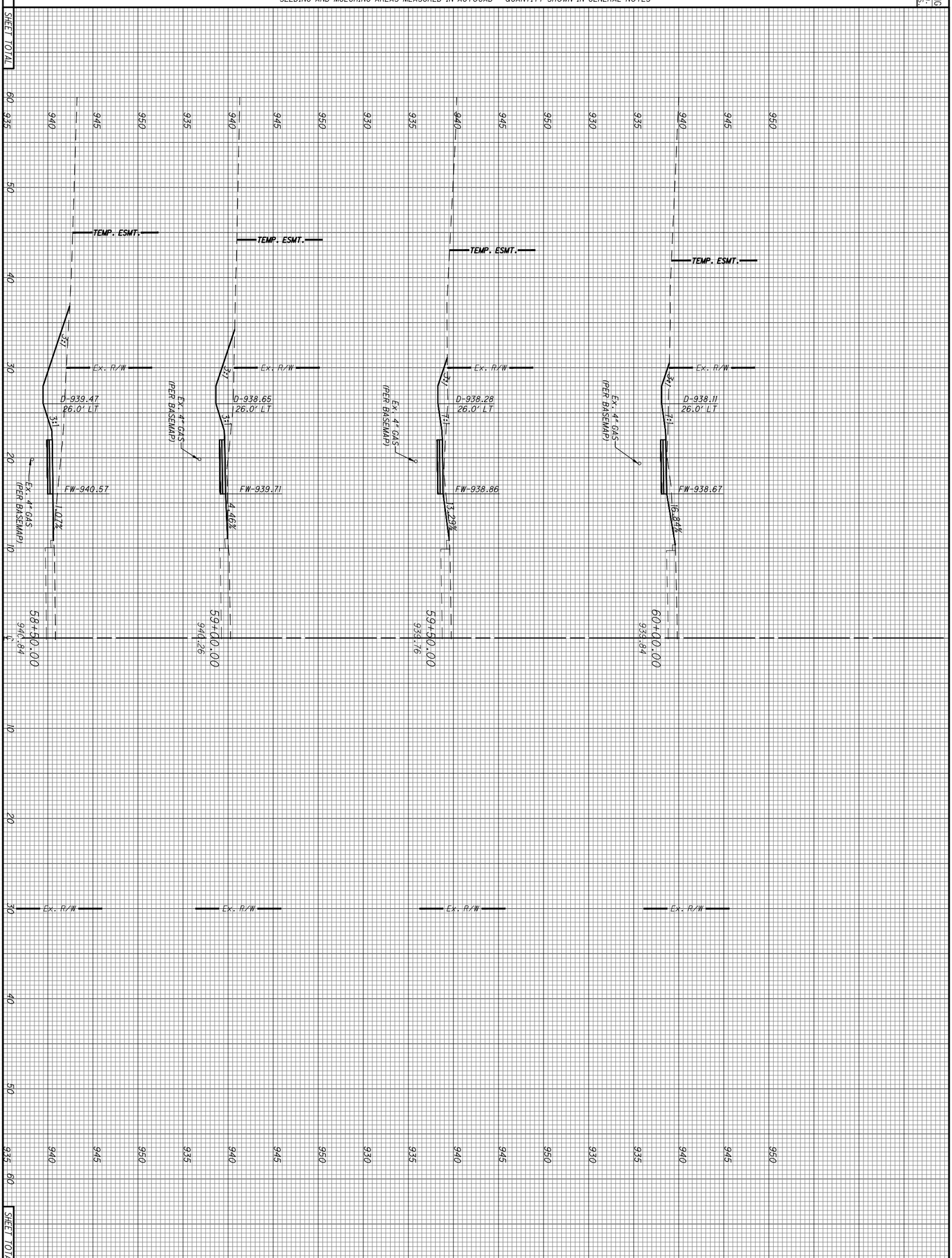
DESIGN AGENCY	CHOICE ONE ENGINEERING
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.48
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:45 AM

SEEDING END SQ. MIDTH YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



	58+50.00	59+00.00	59+50.00	60+00.00
END AREA CUT	28.6	17.0	9.1	7.2
END AREA FILL	0	0	0	0
VOLUME CUT	47.7	42.2	24.2	15.1
VOLUME FILL	0	0	0	0

DESIGN AGENCY: CHOICE ONE ENGINEERING

DESIGNER: WJW

REVIEWER: MKG 11-08-24

PROJECT ID: 117201

SHEET: P.49 | TOTAL: 84

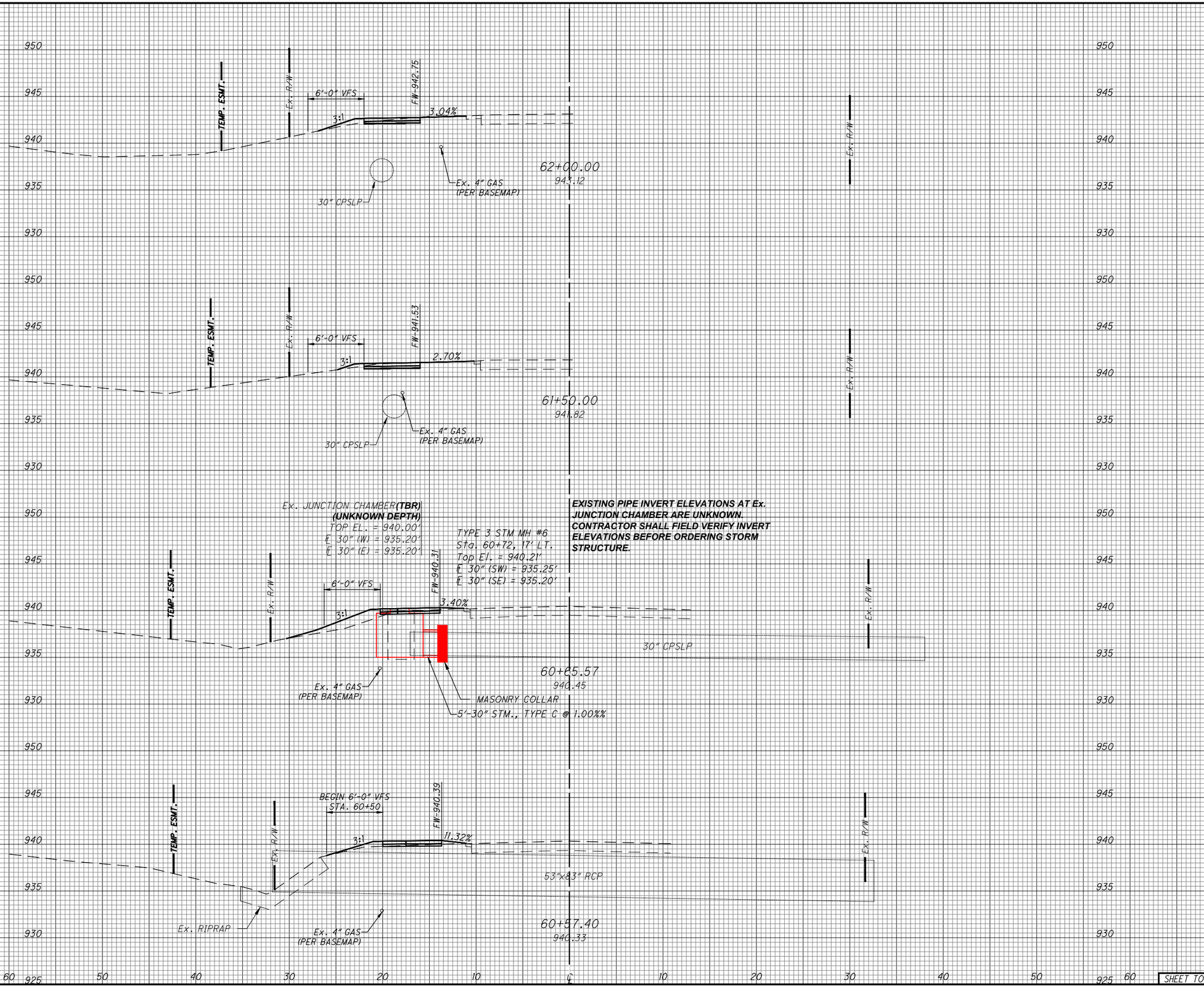
CROSS SECTIONS - SHARPSBURG ROAD
STA. 58+50.00 TO STA. 60+00.00

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:46 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0.5	1.5		
		0.5	2.0
0	0.7		
		0	7.6
0	6.9		
		0	1.4
0	2.1		
		7.7	2.2
SHEET TOTAL 0.5	11.2	8.2	13.2

CROSS SECTIONS - SHARPSBURG ROAD
STA. 60+57.40 TO STA. 62+00.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

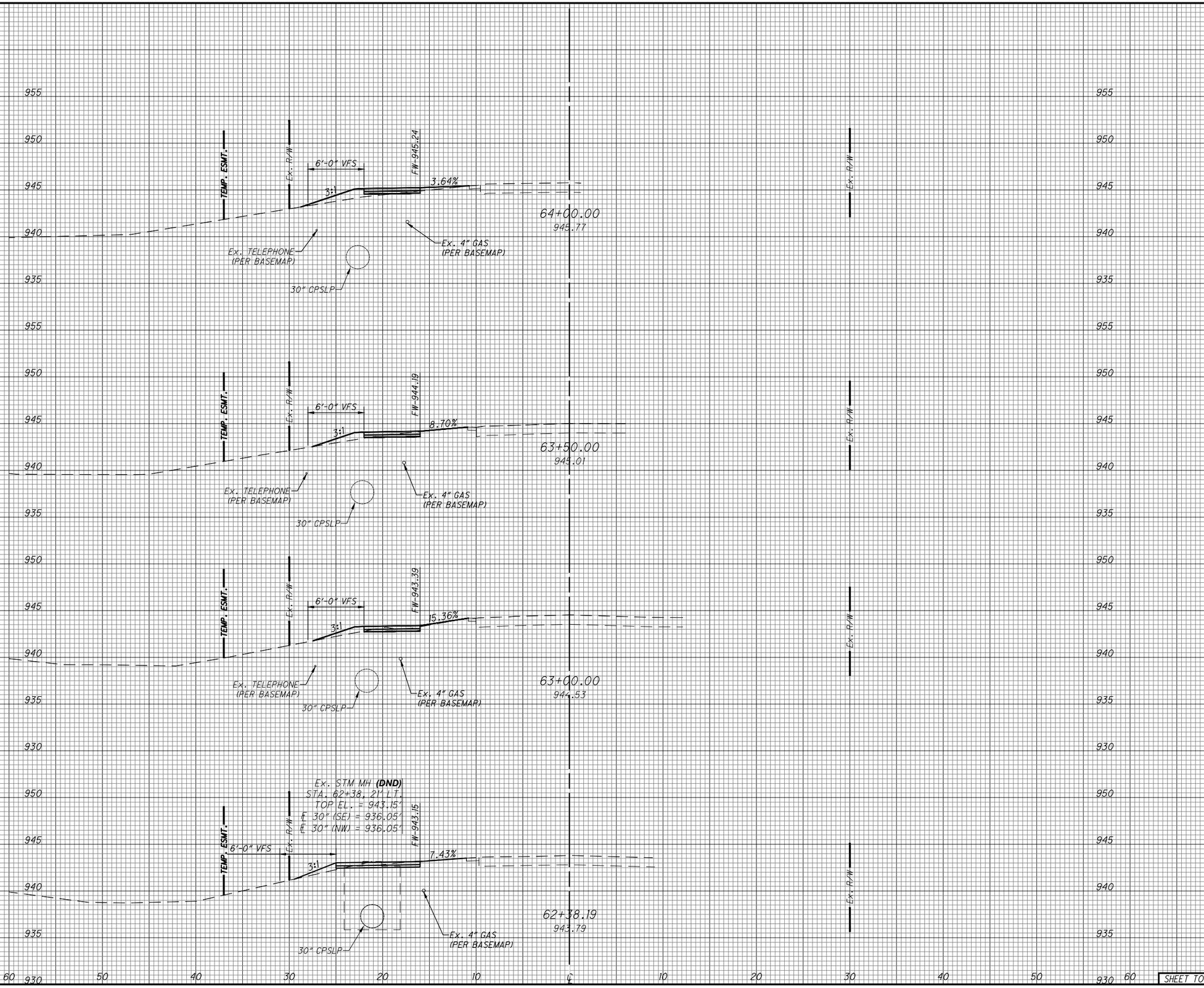
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.50
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:46 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	5.2	0	7.2
0	2.6	0	4.5
0	2.3	0.2	4.6
0.2	1.7	0.5	2.3
SHEET TOTAL	0.2	11.8	0.7	18.6

CROSS SECTIONS - SHARPSBURG ROAD
STA. 62+39.00 TO STA. 64+00.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.51
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

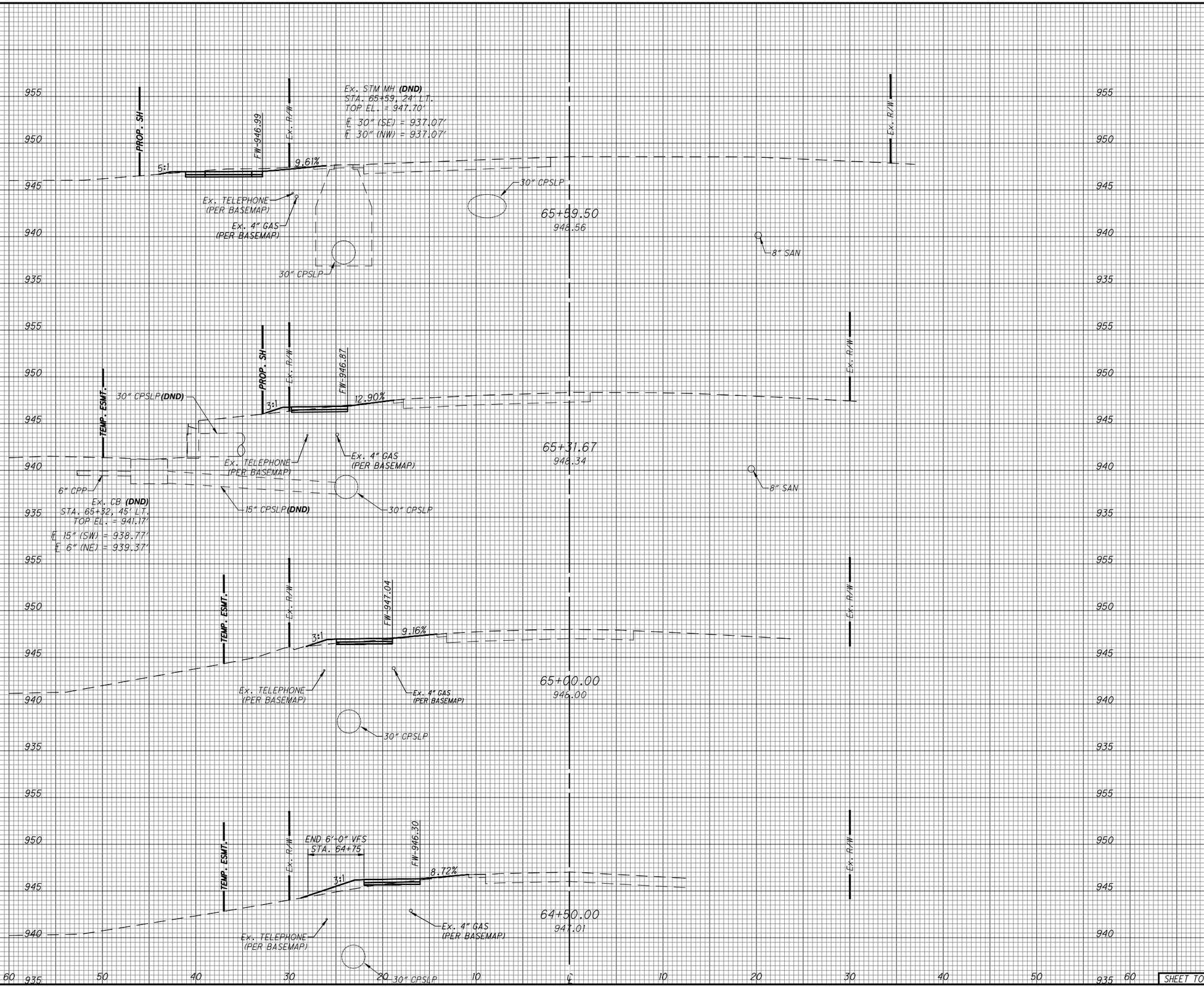
CROSS SECTIONS - SHARPSBURG ROAD
STA. 64+50.00 TO STA. 65+59.50

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:47 AM

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
2.6	0.3		
		1.5	0.7
0.3	1.0		
		0.2	1.3
0	1.3		
		0	4.8
0	3.9		
		0	8.4
SHEET TOTAL 2.9	6.5	1.7	15.2



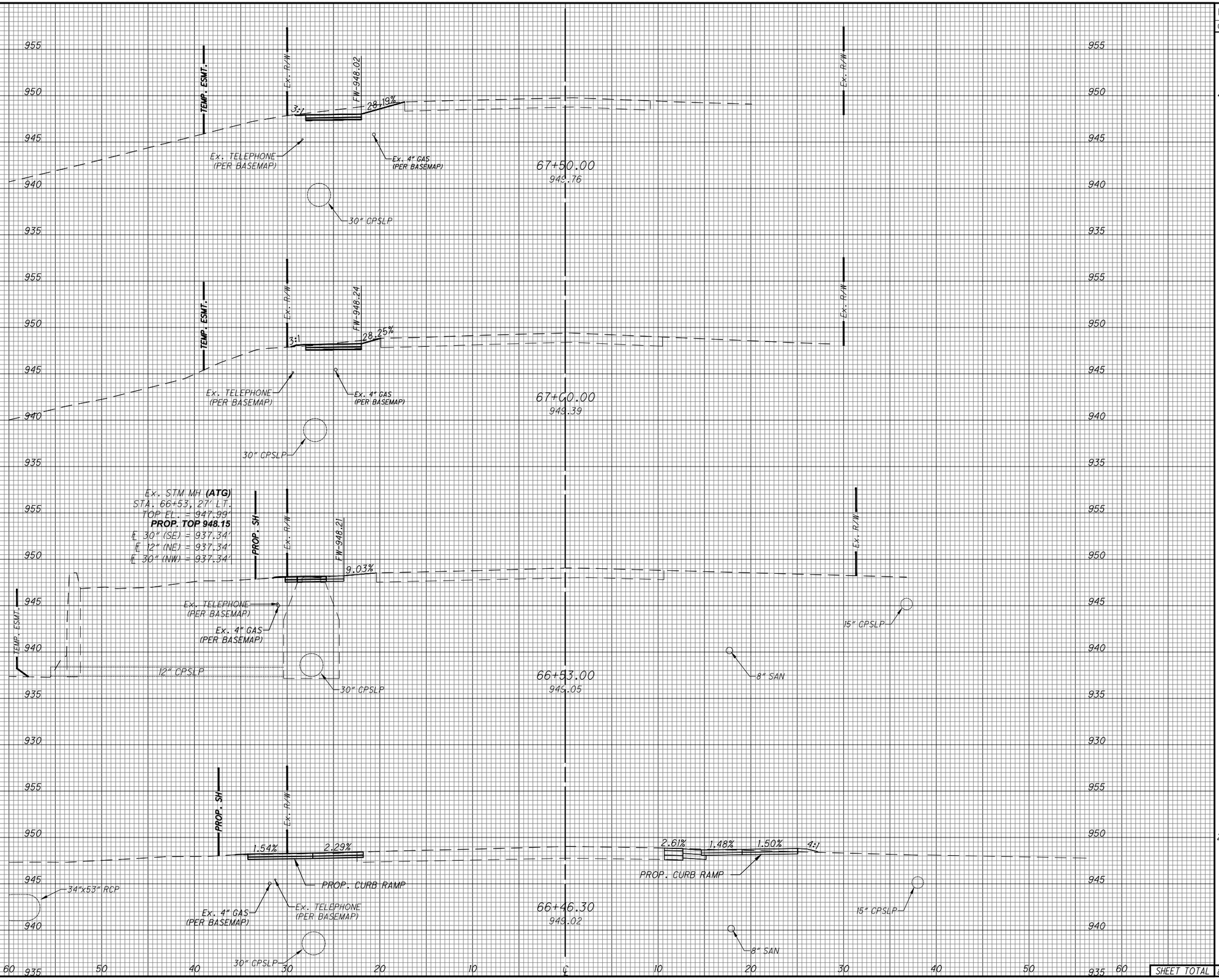
DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER: WJW
REVIEWER: MKG 11-08-24
PROJECT ID: 117201
SHEET: P.52 TOTAL: 84

MER - FT. RECOVERY SIDEWALKS

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:47 AM

SEEDING END WIDTH	SEEDING SQ. YDS.



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
4.8	0		
		5.5	0.2
1.1	0.2		
		1.0	0.2
0	0		
		0.6	0.1
2.5	0.5		
		7.6	1.2
SHEET TOTAL 8.4	0.7	14.7	1.7

CROSS SECTIONS - SHARPSBURG ROAD
STA. 66+46.30 TO STA. 67+50.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

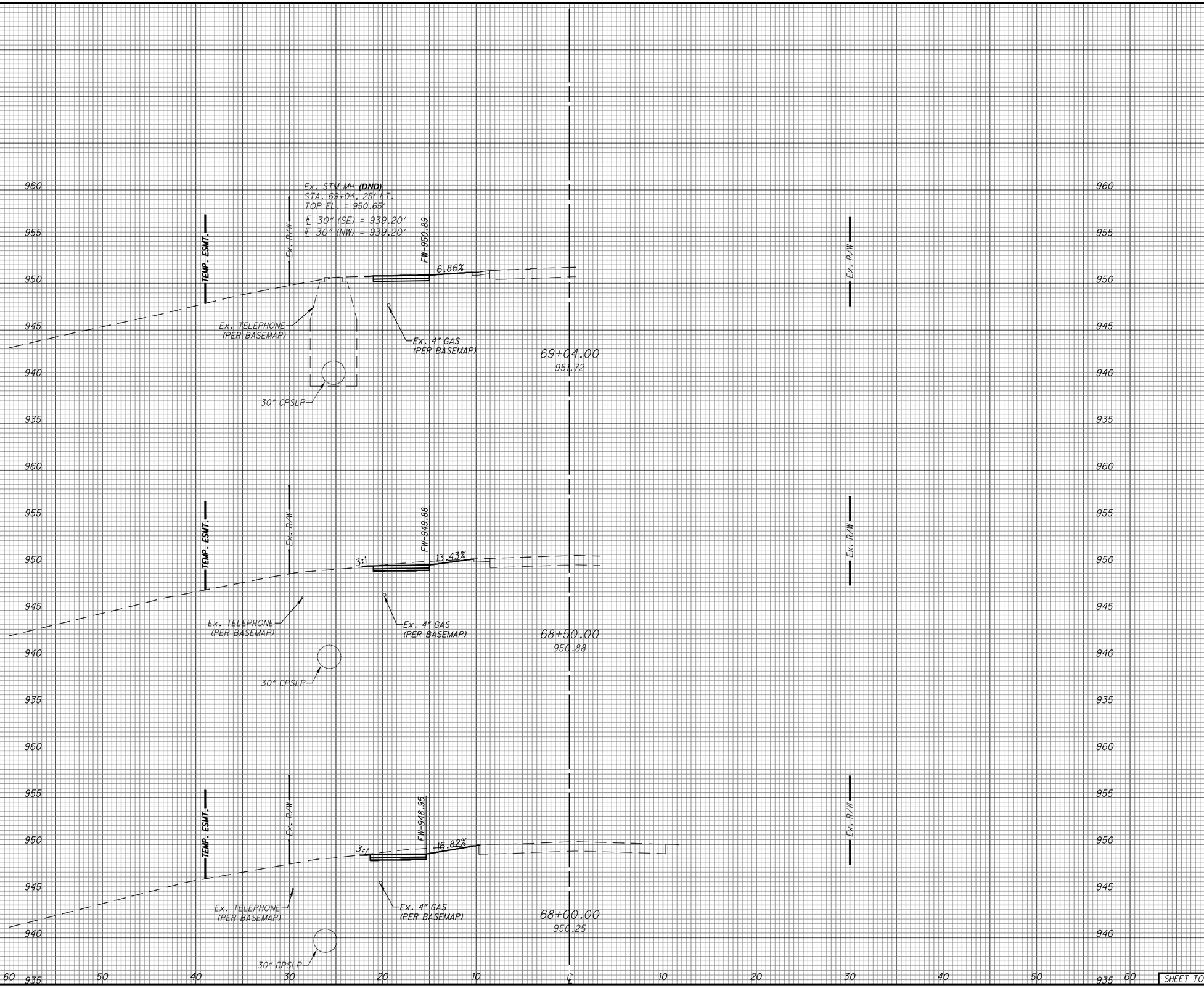
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.53
TOTAL	84

SEEDING	
END WIDTH	SQ. YDS.

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:48 AM

MER - FT. RECOVERY SIDEWALKS



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0.5	0		
		2.7	0
2.2	0		
		5.7	0
4.0	0		
		8.1	0
SHEET TOTAL 6.7	0	16.5	0

CROSS SECTIONS - SHARPSBURG ROAD
STA. 68+00.00 TO STA. 69+04.00

DESIGN AGENCY

CHOICE ONE ENGINEERING

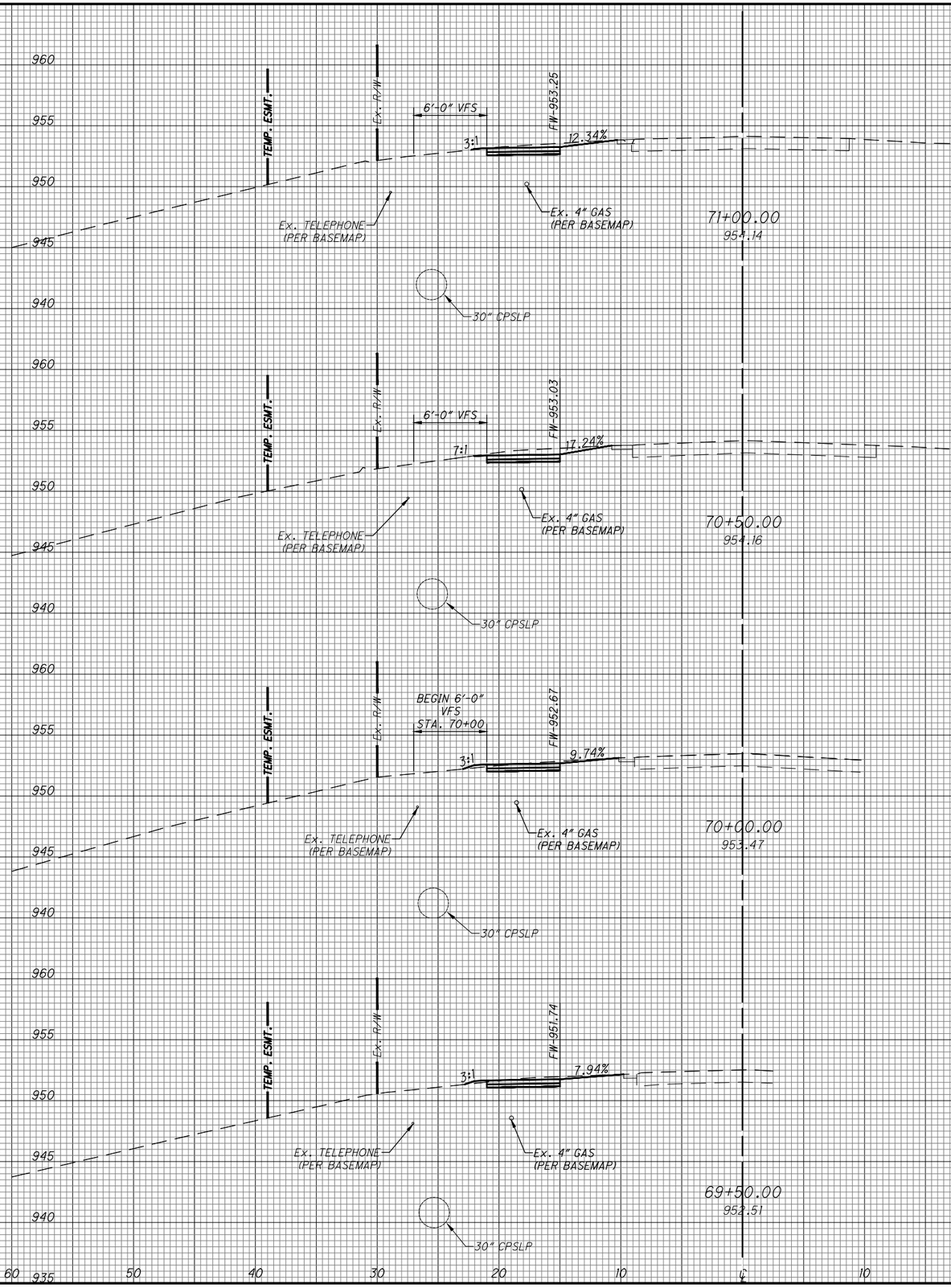
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.54
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:48 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
1.8	0		
		4.8	0
3.4	0		
		3.8	0.3
0.7	0.3		
		1.8	0.5
1.2	0.2		
		1.4	0.2
SHEET TOTAL 7.1	0.5	11.8	1.0

CROSS SECTIONS - SHARPSBURG ROAD
STA. 69+50.000 TO STA. 71+00.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

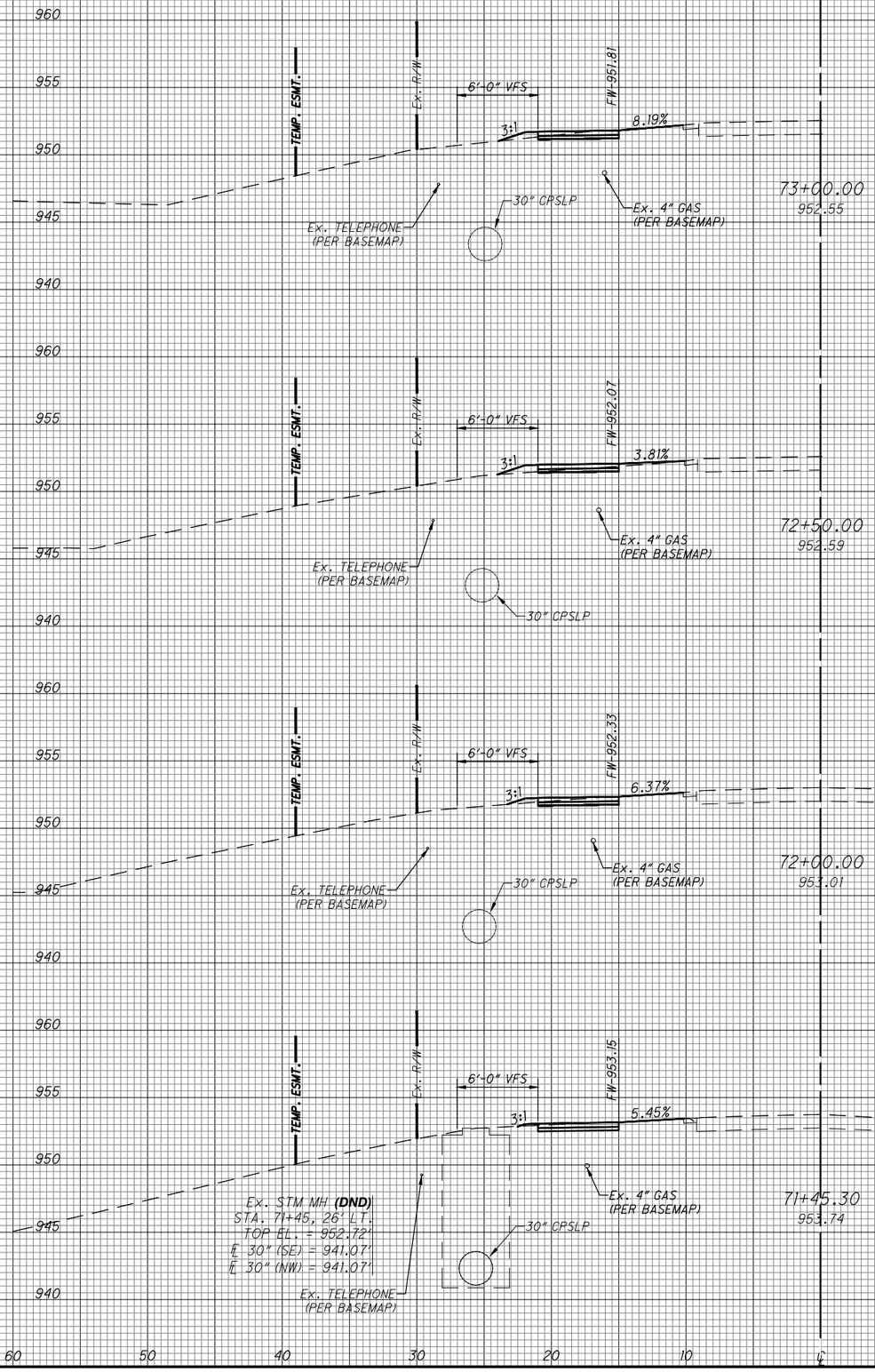
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.55
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:49 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0.2	0.9		
		0.2	2.4
0	1.7		
		0.1	2.0
0.1	0.5		
		0.3	0.7
0.2	0.2		
		1.7	0.2
SHEET TOTAL 0.5	3.3	2.3	5.3

CROSS SECTIONS - SHARPSBURG ROAD
STA. 71+45.30 TO STA. 73+00.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

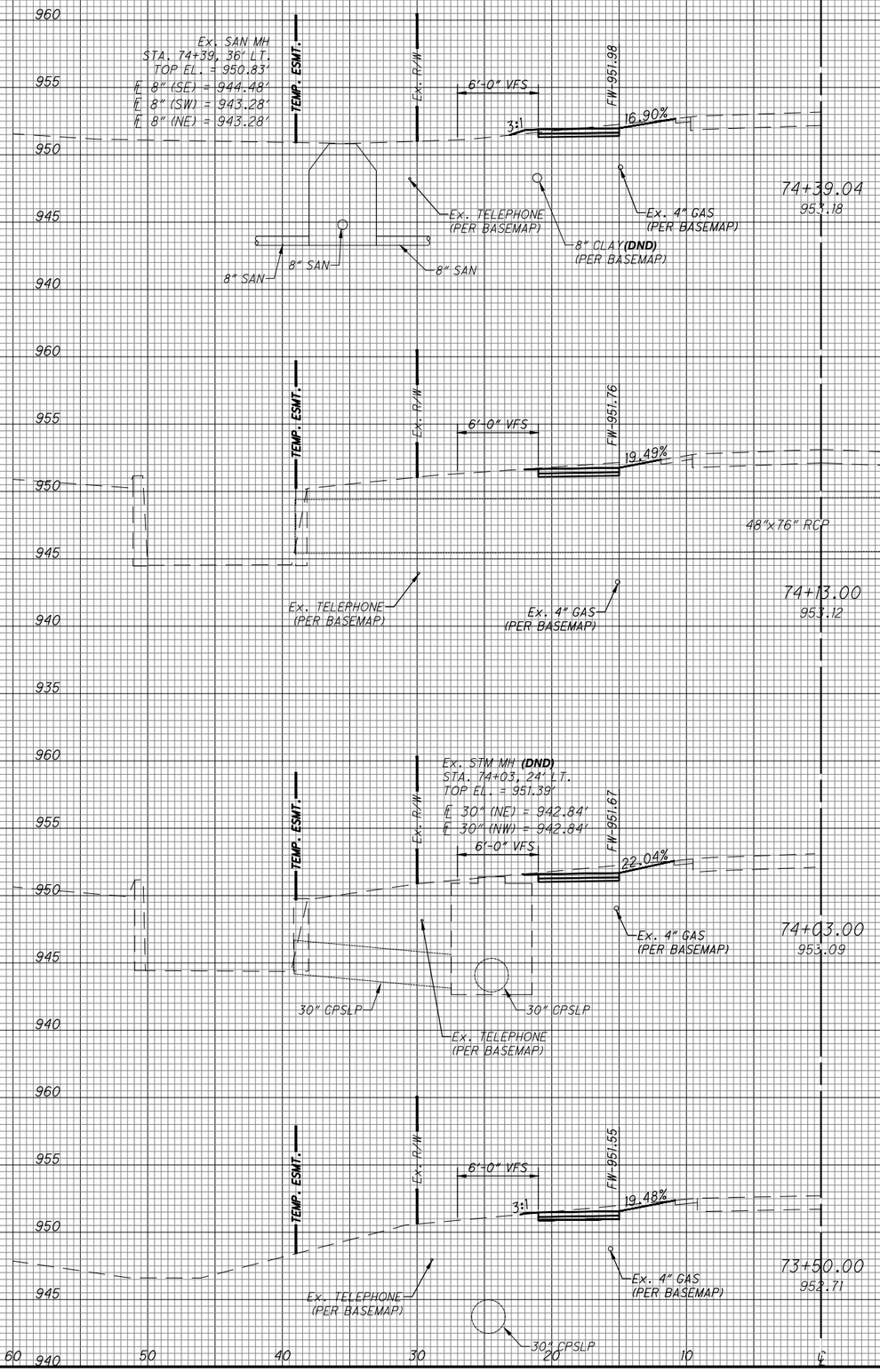
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.56
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:49 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
1.1	0.4		
		1.5	0.2
2.0	0		
		0.1	0
3.3	0		
		5.2	0
2.0	0		
		2.0	0.8
SHEET TOTAL 8.4	0.4	8.8	1.0

CROSS SECTIONS - SHARPSBURG ROAD
STA. 73+50.00 TO STA. 74+39.04

DESIGN AGENCY
CHOICE ONE ENGINEERING

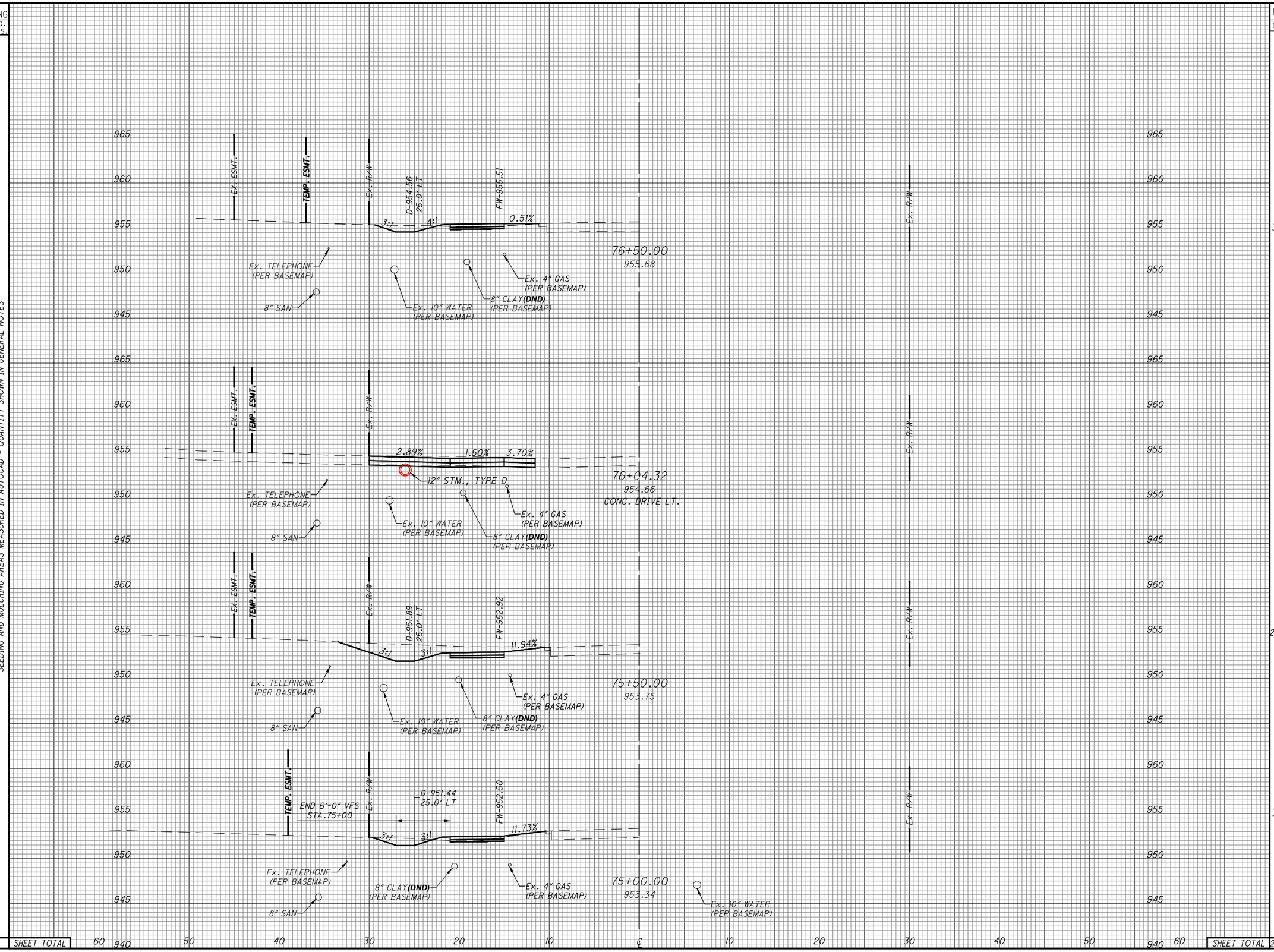
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.57
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:50 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		3.3	0.7		
		0	0	2.8	1.2
		0	0		
		0	0	20.3	0
		20.2	0		
		0	0	22.3	0.5
		3.9	0.5		
		0	0	5.6	1.0
SHEET TOTAL		27.4	1.2	51.0	2.7



CROSS SECTIONS - SHARPSBURG ROAD STA. 75+00.00 TO STA. 76+50.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

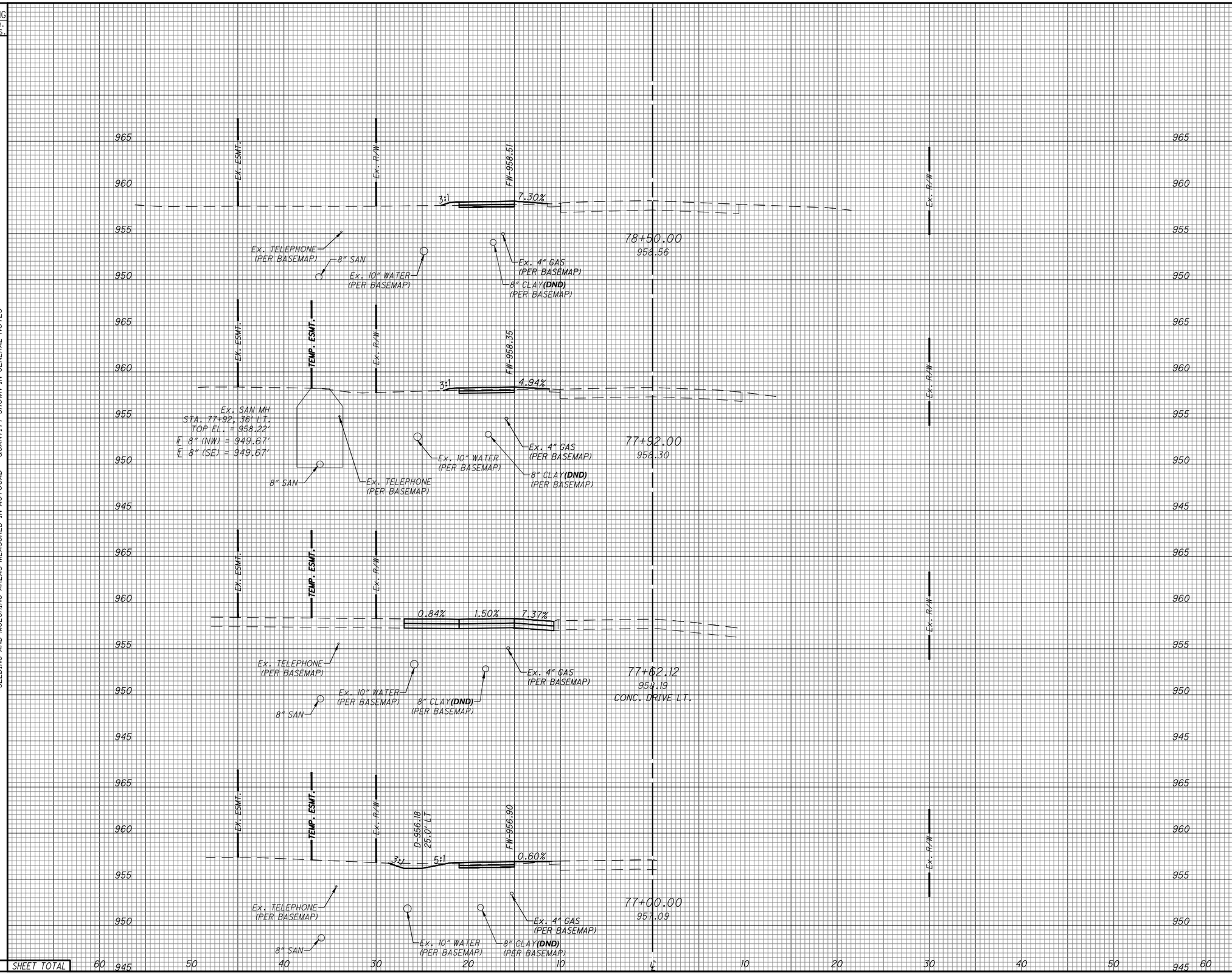
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.58
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:50 AM

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		0	0		
		0	1.0	0	1.1
		0	0	0	0.6
		0	0	2.5	0.7
		2.2	0.6	5.1	1.2
SHEET TOTAL		2.2	1.6	7.6	3.6



CROSS SECTIONS - SHARPSBURG ROAD
STA. 77+00.00 TO STA. 78+50.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

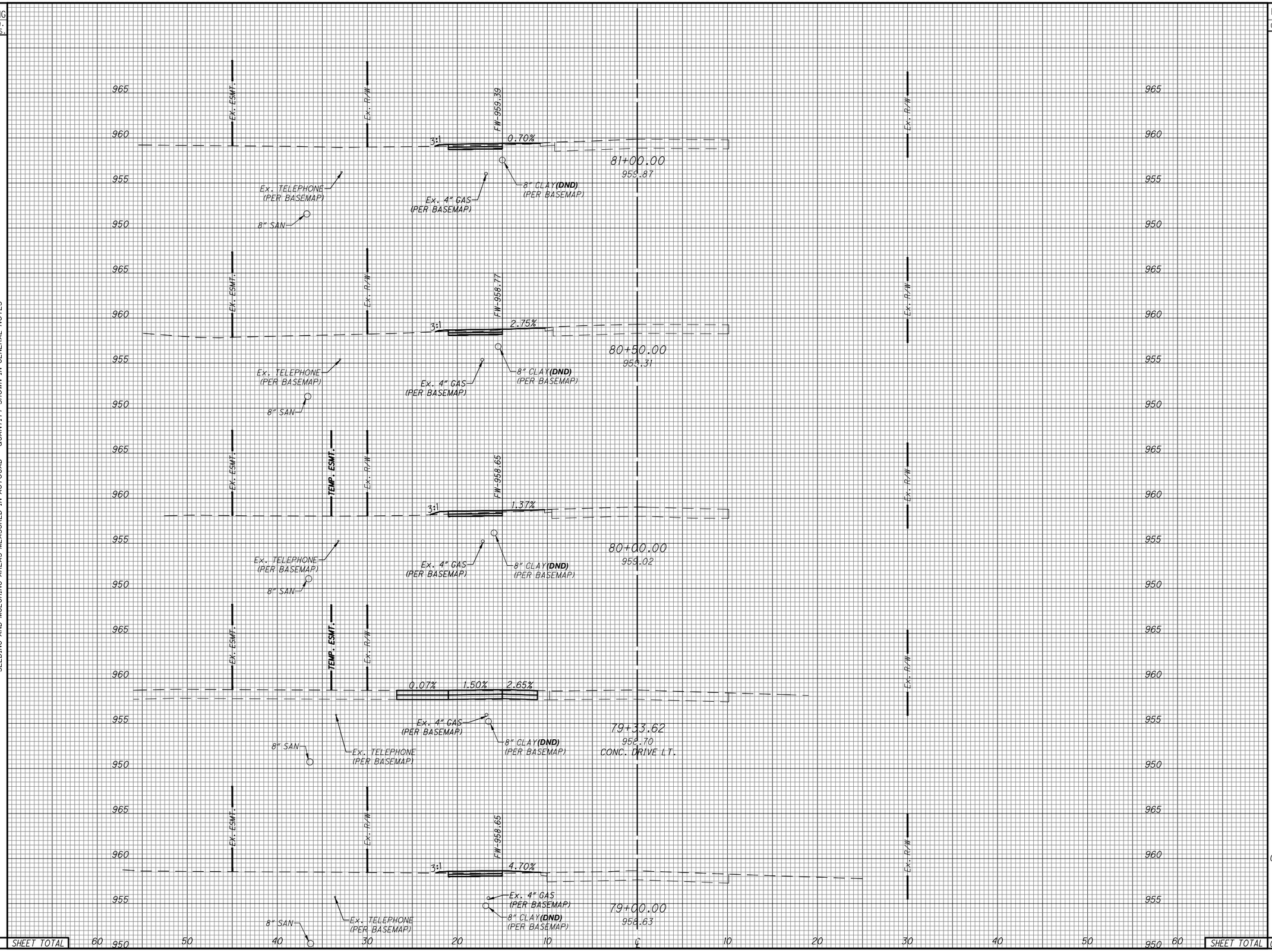
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.59
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:51 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0.6		
		0	0.7
0	0.2		
		0	1.1
0	1.0		
		0	1.2
0	0		
		0.4	0
0.7	0		
		0.6	0
SHEET TOTAL 0.7	1.8	1.0	3.0

CROSS SECTIONS - SHARPSBURG ROAD
STA. 79+00.00 TO STA. 81+00.00

DESIGN AGENCY
CHOICE ONE ENGINEERING

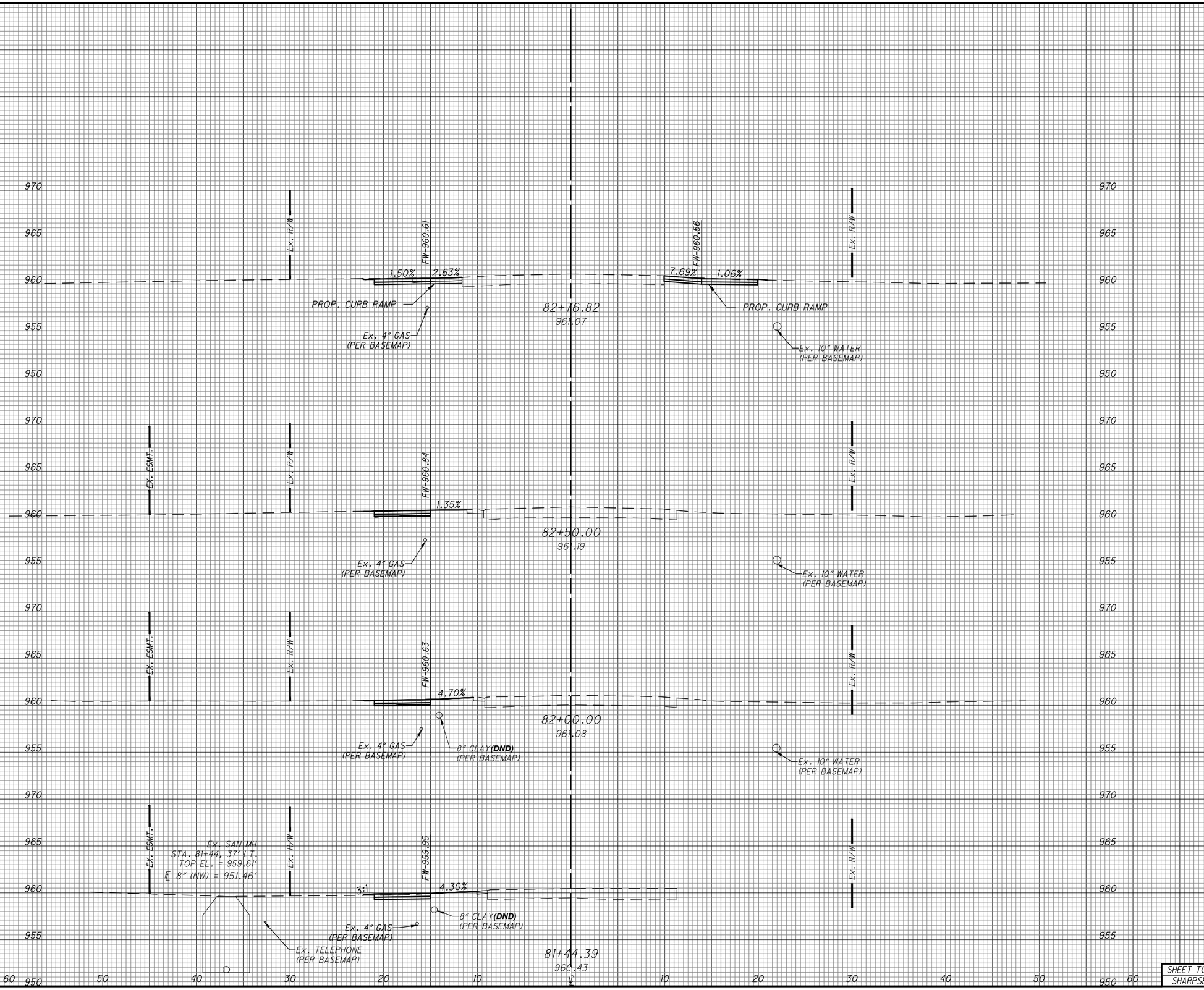
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.60
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS002.dwg 31-Oct-24 9:51 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0	0		
0	0		
0	0	0	0
0	0		
0	0		
0	0.1	0	0.1
0	0		
0	0	0	0.6
SHEET TOTAL 0	0.1	0	0.7
SHARPSBURG TOTAL 370	87		

CROSS SECTIONS - SHARPSBURG ROAD
STA. 81+44.39 TO STA. 82+76.82

DESIGN AGENCY
CHOICE ONE ENGINEERING

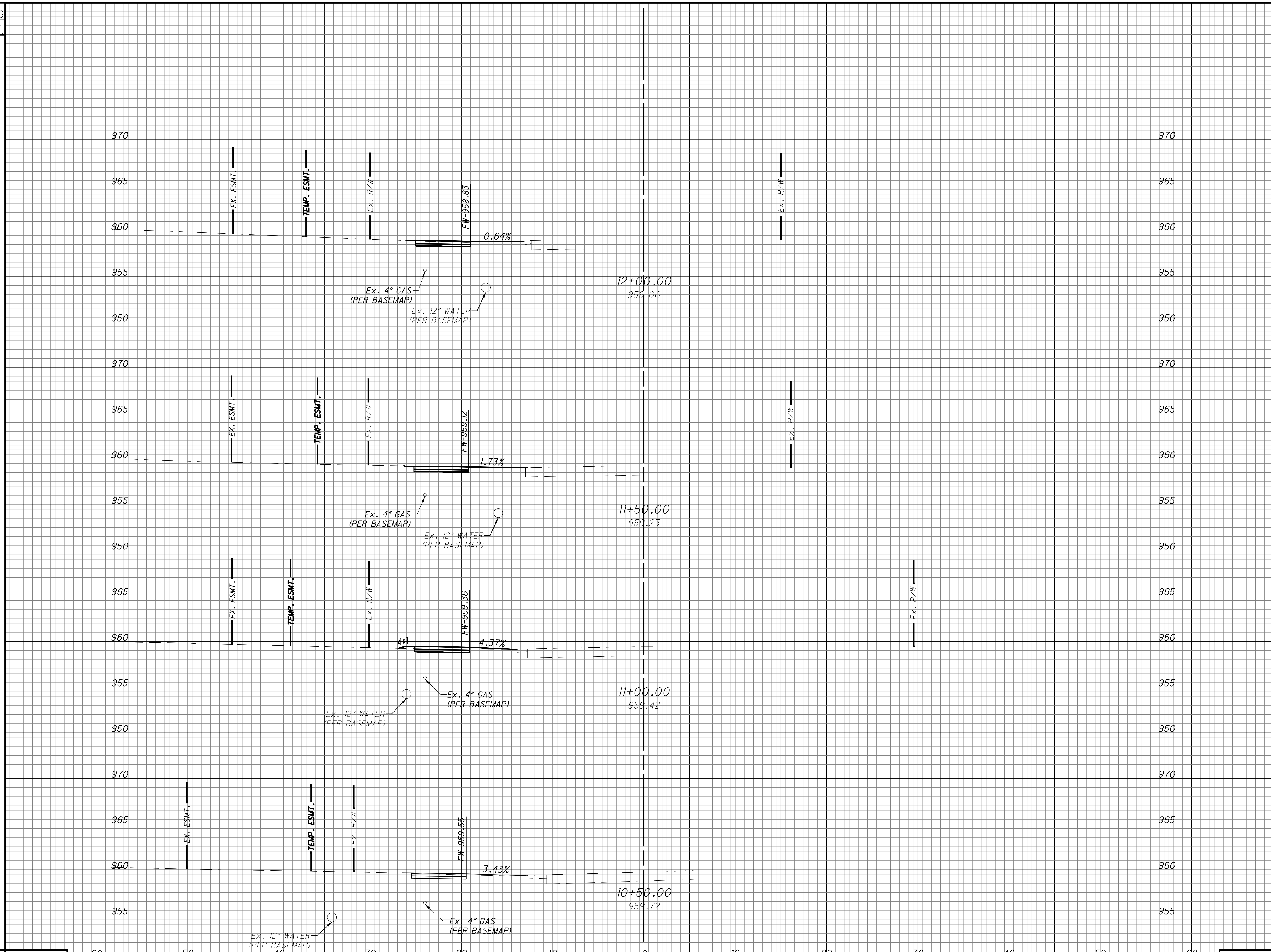
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.61
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS003.dwg 31-Oct-24 9:59 AM

SEEDING	
END WIDTH	SQ. YDS.
SHEET TOTAL	

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0.2		
		0	0.2
0	0		
		0	0.8
0	0.9		
		0	1.5
0	0.7		
0	1.8	0	2.5

SHEET TOTAL

CROSS SECTIONS - FLALER ROAD
STA. 10+50.00 TO STA. 12+00.00

DESIGN AGENCY

CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

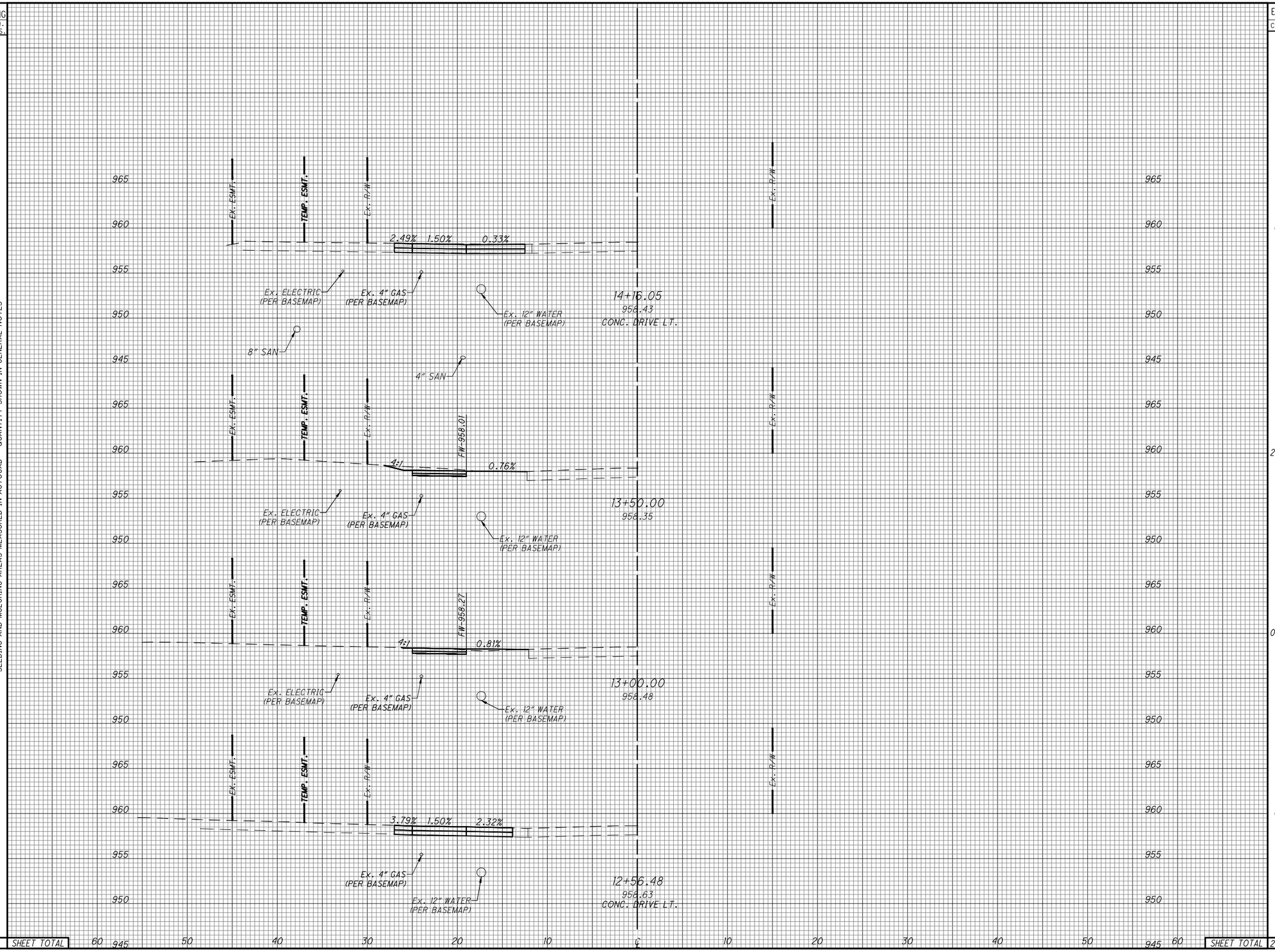
SHEET	TOTAL
P.62	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS003.dwg 31-Oct-24 9:59 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		0	0		
				2.9	0
		2.4	0		
				2.4	0.7
		0.2	0.8		
				0.2	0.6
		0	0		
				0	0.2
SHEET TOTAL		2.6	0.8	5.5	1.5



CROSS SECTIONS - FLALER ROAD STA. 12+56.48 TO STA. 14+16.05

DESIGN AGENCY
CHOICE ONE ENGINEERING

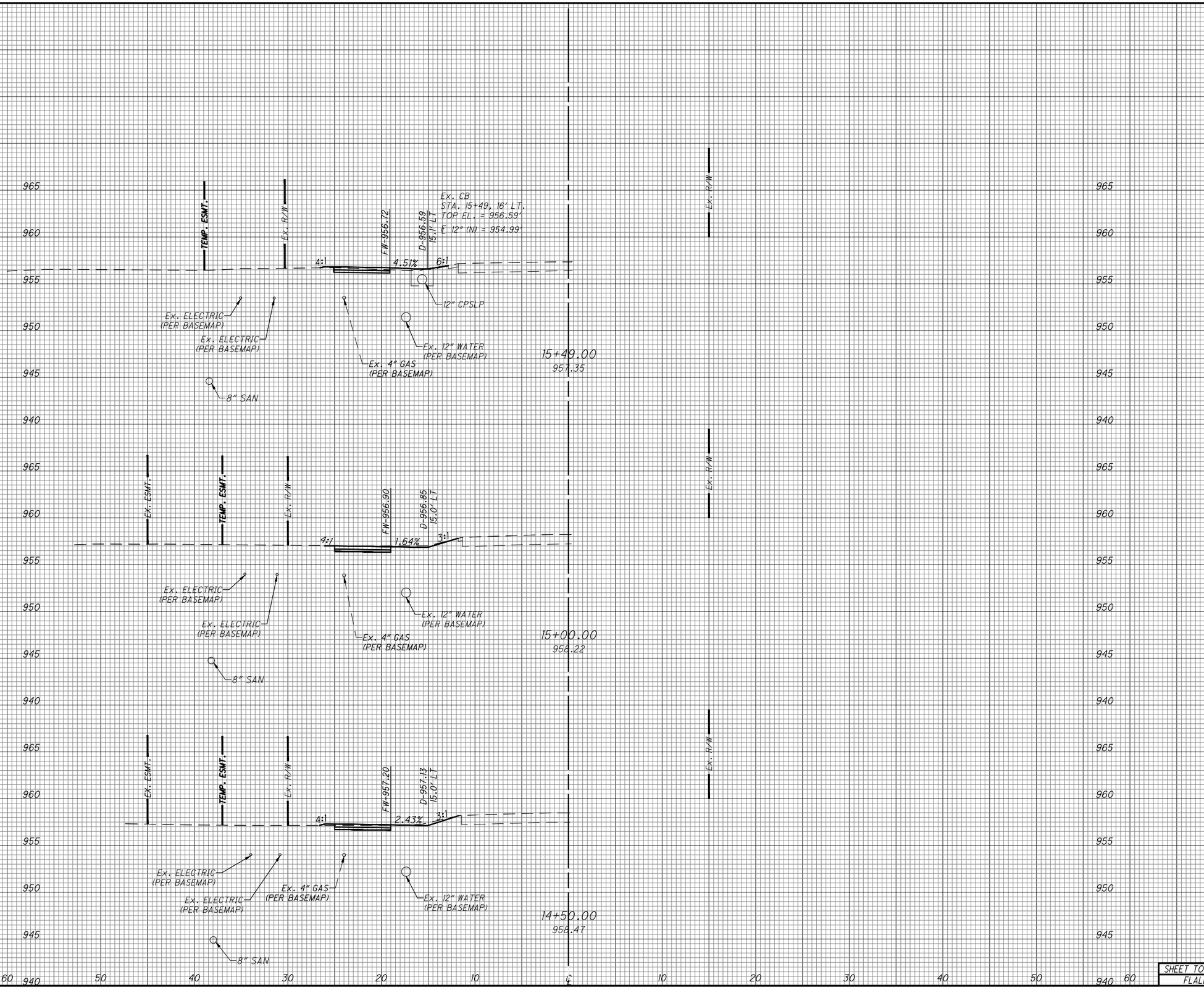
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.63
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS003.dwg 31-Oct-24 10:00 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES

SEEDING	
END WIDTH	SQ. YDS.



SHEET TOTAL						
FLALER TOTAL				9	5	

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	1.0		
		1.0	0.9
1.1	0		
		1.7	0.2
0.7	0.2		
		0.4	0.1
1.8	1.2	3.1	1.2

CROSS SECTIONS - FLALER ROAD
STA. 14+15.00 TO STA. 15+49.00

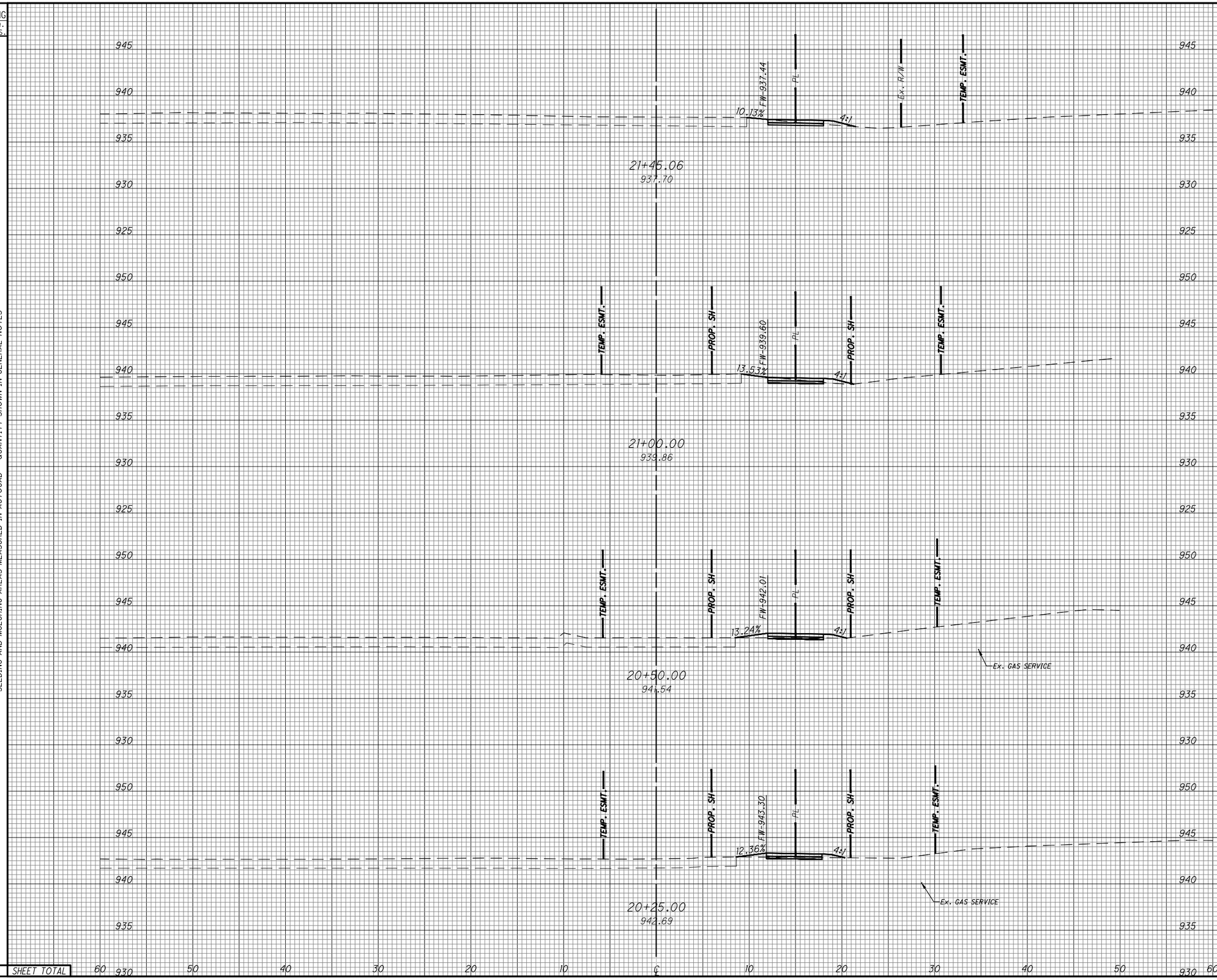
DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.64
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

Z:\project\Mercer\FtRecovery\MER-FRE-2303MER-Ft.RecoverySidewalkSA22\117201_XS004.dwg 31-Oct-24 10:06 AM

SEEDING AND MULCHING AREAS MEASURED IN AUTOCAD - QUANTITY SHOWN IN GENERAL NOTES



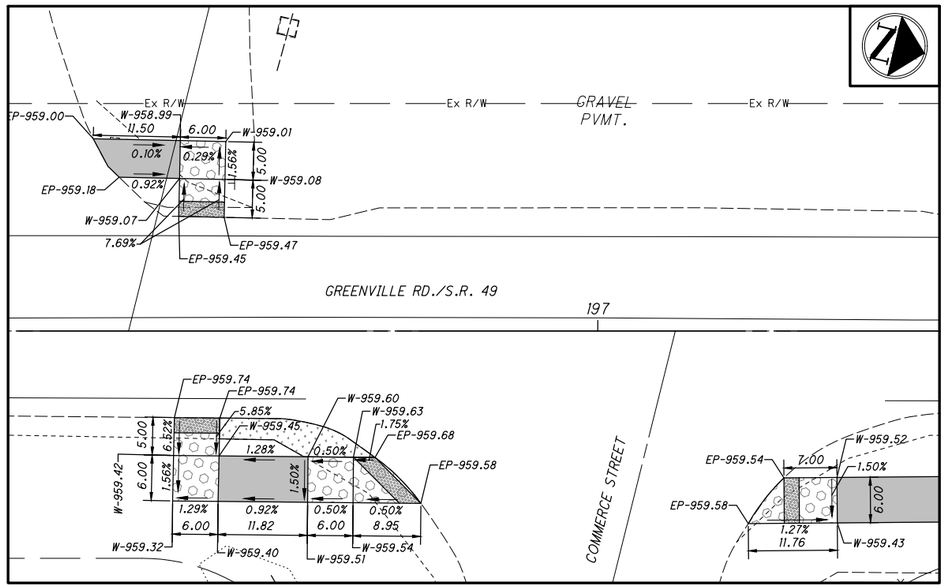
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		0	1.0		
				0.1	1.7
		0.1	1.0		
				0.1	2.3
		0	1.5		
				0	1.3
		0	1.3		
SHEET TOTAL		0.1	4.8	0.2	5.3
FT. RECOVERY DAIRY TOTAL		1	5		

CROSS SECTIONS - FT. RECOVERY DAIRY STA. 20+25 TO STA. 21+45.06

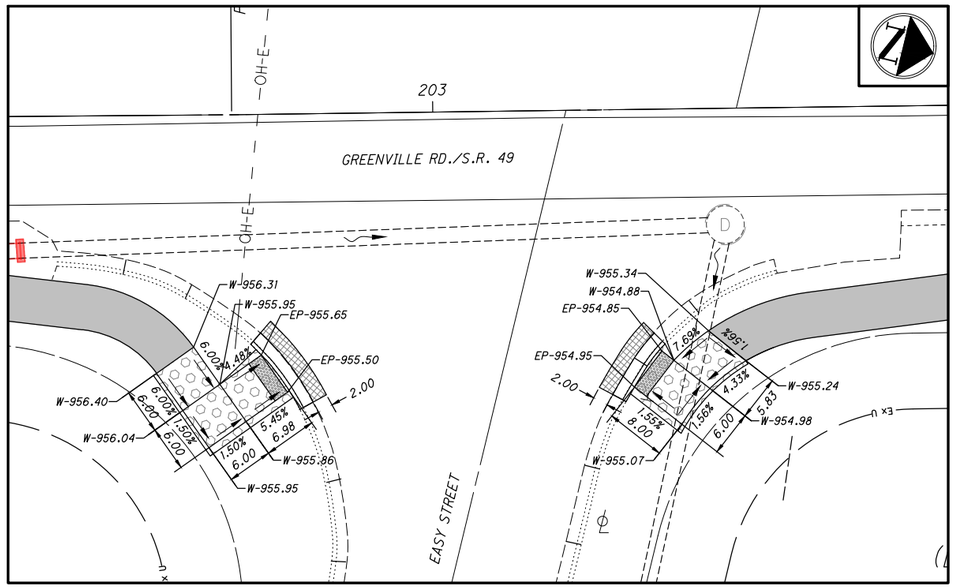
DESIGN AGENCY

CHOICE ONE ENGINEERING

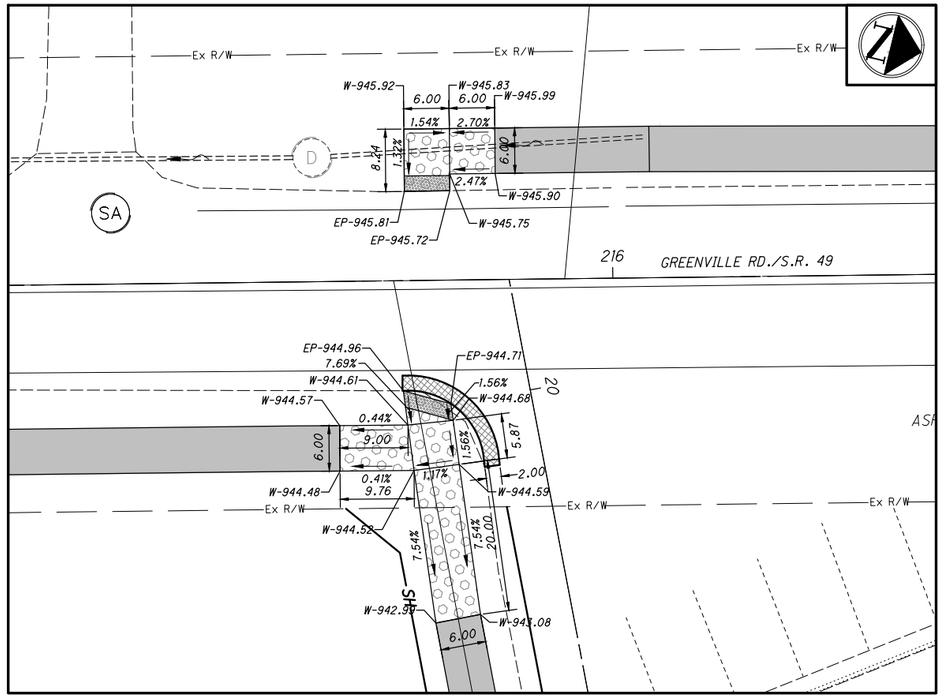
DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.65
TOTAL	84



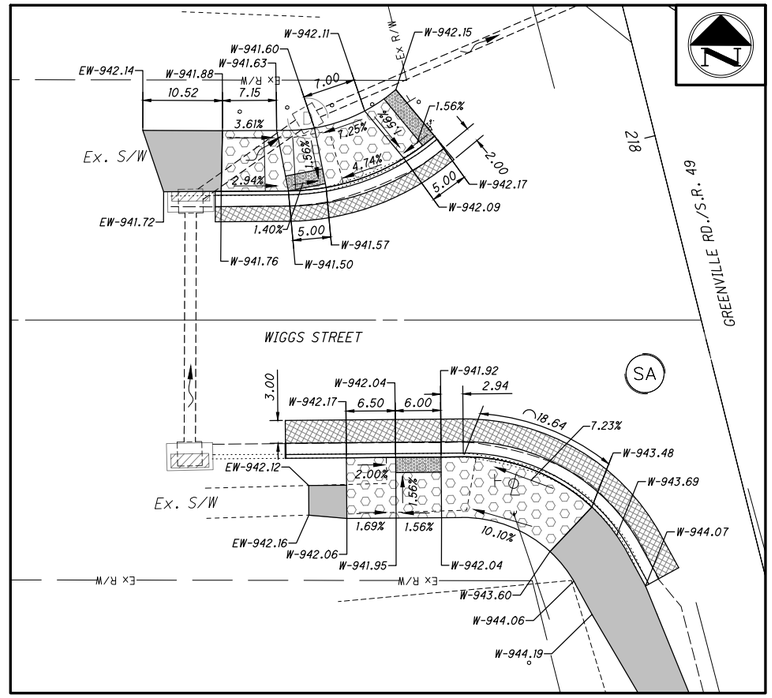
GREENVILLE RD./S.R. 49 AND
COMMERCE STREET INTERSECTION
- CURB RAMP DETAIL



GREENVILLE RD./S.R. 49 AND
EASY STREET INTERSECTION
- CURB RAMP DETAIL



GREENVILLE RD./S.R. 49 AND
FORT RECOVERY DAIRY WEST CROSSING
- CURB RAMP DETAIL



GREENVILLE RD./S.R. 49 AND
WIGGS STREET INTERSECTION
- CURB RAMP DETAIL

SYMBOL LEGEND

EP - EXISTING PAVEMENT ELEVATION
EW - EXISTING WALK ELEVATION
W - PROPOSED WALK ELEVATION

SIDEWALK

CURB RAMP

TRUNCATED DOME AREA

FULL DEPTH REPAIR

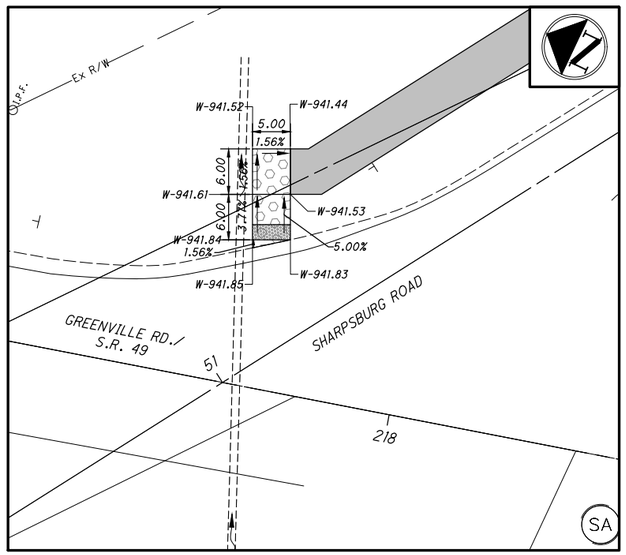
HORIZONTAL SCALE IN FEET
0 05 10 20

INTERSECTION DETAILS

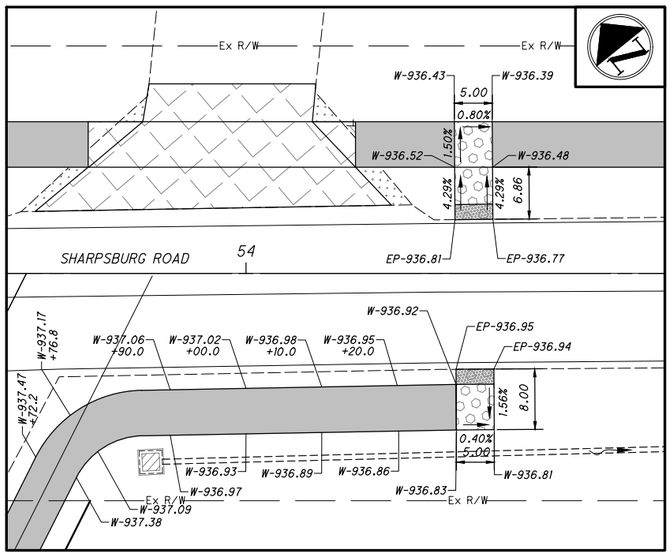
MER - FT. RECOVERY SIDEWALKS

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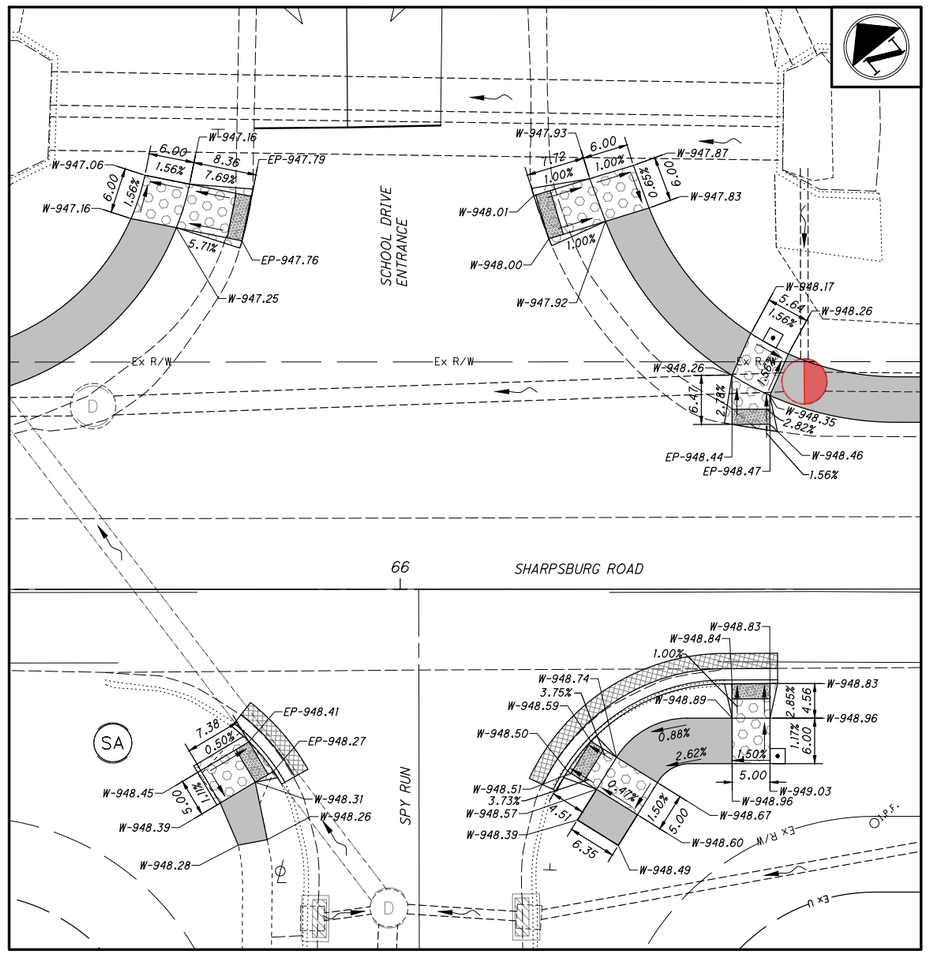
DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.66 TOTAL 84



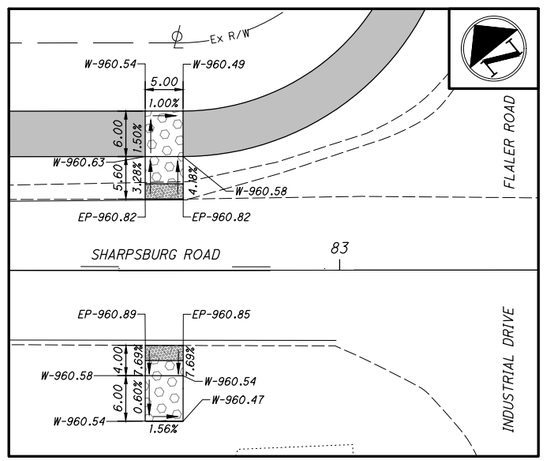
GREENVILLE RD./S.R. 49 AND
SHARPSBURG ROAD INTERSECTION
- CURB RAMP DETAIL



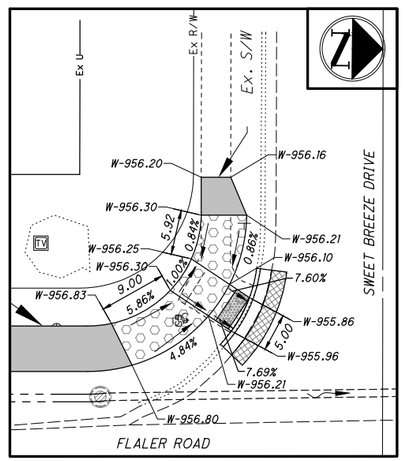
SHARPSBURG ROAD AND
FORT RECOVERY DAIRY EAST CROSSING
- CURB RAMP DETAIL



SHARPSBURG ROAD AND
SPY RUN/SCHOOL DRIVE INTERSECTION
- CURB RAMP DETAIL



SHARPSBURG ROAD AND
INDUSTRIAL DR./FLALER RD. INTERSECTION
- CURB RAMP DETAIL



FLALER ROAD AND
SWEET BREEZE DRIVE INTERSECTION
- CURB RAMP DETAIL

SYMBOL LEGEND

EP - EXISTING PAVEMENT ELEVATION
EW - EXISTING WALK ELEVATION
W - PROPOSED WALK ELEVATION

SIDEWALK

CURB RAMP

TRUNCATED DOME AREA

FULL DEPTH REPAIR

HORIZONTAL
SCALE IN FEET
0 05 10 20

INTERSECTION DETAILS

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.67
TOTAL	84

REF NO.	SHEET NO.	STATION TO STATION	644 EDGE LINE, 4"	644 CHANNELIZING LINE, 8"	644 STOP LINE	644 CROSSWALK LINE, 12"	644 CROSSWALK LINE, 24"	644 LANE ARROW	644 YIELD LINE	644 REMOVAL OF PAVEMENT MARKING													
			MILE	FT	FT	FT	FT	EACH	FT	FT													
RM1	70	196+48								30													
RM2	72	215+75								30													
RM3	72	218+13								10													
RM4	73	54+30								30													
RM5	74	66+46								12													
RM6	76	82+77								30													
CW1	70	196+48					60																
CW2	72	215+75					50																
CW3	72	218+13					90																
CW4	73	54+30					50																
CW5	76	66+46					80																
CW6	77	82+77					50																
SL1	70	197+02			14																		
SL2	70	203+12			14																		
SL3	72	217+80			16																		
SL4	73	51+47			12																		
SL5	74	66+09			14																		
XW1	70	197+00				99																	
XW2	70	203+00				89																	
XW3	72	217+87				68																	
XW4	74	66+00				78																	
XW5	74	66+05				75																	
YL1	72	215+60							10														
YL2	72	215+90							10														
YL3	73	54+15							9														
YL4	73	54+45							9														
LA1	74	66+74						1															
LA2	74	67+17						1															
CH1	74	66+51.3 TO 67+29.3		78																			
EL1	74	66+51.3 TO 67+97.0	0.03																				
TOTALS CARRIED TO GENERAL SUMMARY			0.03	78	70	409	380	2	38	142													

SUBSUMMARY - PAVEMENT MARKINGS

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

SHEET P.68 | TOTAL 84

MER - FT. RECOVERY SIDEWALKS

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REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 SIGN, FLAT SHEET SF	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION EACH
S1	70	GREENVILLE RD.	195+62	RT.						1		1
S2	70	GREENVILLE RD.	195+62	LT.						1		1
S3	70	GREENVILLE RD.	196+34	RT.	W11-2	30"X30"	14	6.25				
	70	GREENVILLE RD.			W16-7PL	24"X12"		2				
S4	70	GREENVILLE RD.	196+54	LT.	W11-2	30"X30"	14	6.25				
	70	GREENVILLE RD.			W16-7PL	24"X12"		2				
S5	70	GREENVILLE RD.	203+25	RT.						3		1
S6	71	GREENVILLE RD.	205+91	LT.						1		1
S7	71	GREENVILLE RD.	212+98	RT.						1		1
	71	GREENVILLE RD.	213+03	RT.						1		1
S8	72	GREENVILLE RD.	215+62	RT.	W11-2	30"X30"	14	6.25				
	72	GREENVILLE RD.			W16-7PL	24"X12"		2				
S9	72	GREENVILLE RD.	215+89	LT.	W11-2	30"X30"	14	6.25				
	72	GREENVILLE RD.			W16-7P	24"X12"		2				
S10	72	GREENVILLE RD.	216+93	LT.						2		1
S11	72	GREENVILLE RD.	217+68	LT.						3		1
S12	72	GREENVILLE RD.	218+15	LT.						2		1
S13	72	GREENVILLE RD.	218+17	LT.	W11-2	30"X30"	14	6.25				
	72	GREENVILLE RD.			W16-7PL	24"X12"		2				
S14	73	SHARPSBURG RD.	51+13	LT.	W11-2	30"X30"	14	6.25				
	73	SHARPSBURG RD.			W16-7PL	24"X12"		2				
S15	73	SHARPSBURG RD.	51+33	LT.						2		1
S16	73	SHARPSBURG RD.	53+83	LT.						1		1
S17	73	SHARPSBURG RD.	54+00	RT.	W11-2	30"X30"	14	6.25				
	73	SHARPSBURG RD.			W16-7PL	24"X12"		2				
S18	73	SHARPSBURG RD.	54+14	LT.						1		1
S19	73	SHARPSBURG RD.	54+43	LT.	W11-2	30"X30"	14	6.25				
	73	SHARPSBURG RD.			W16-7PL	24"X12"		2				
S20	73	SHARPSBURG RD.	56+38	LT.						1		1
S21	73	SHARPSBURG RD.	56+66	LT.						1		1
S22	73	SHARPSBURG RD.	59+78	LT.						1		1
S23	74	SHARPSBURG RD.	65+44	RT.	W11-2	30"X30"	14	6.25				
	74	SHARPSBURG RD.			W16-9P	24"X12"		2				
S24	74	SHARPSBURG RD.	67+52	LT.	W11-2	30"X30"	14	6.25				
	74	SHARPSBURG RD.			W16-9P	24"X12"		2				
S25	75	SHARPSBURG RD.	75+18	LT.						1		1
S26	76	SHARPSBURG RD.	80+31	LT.					1			
S27	76	SHARPSBURG RD.	82+65	RT.	W11-2	30"X30"	14	6.25				
	76	SHARPSBURG RD.			W16-7PL	24"X12"		2				
S28	76	SHARPSBURG RD.	82+70	LT.						2		2
S29	76	SHARPSBURG RD.	83+01	LT.	W11-2	30"X30"	14	6.25				
	76	SHARPSBURG RD.			W16-7PL	24"X12"		2				
S30	76	SHARPSBURG RD.	83+17	LT.						4		1
S31	77	FLALER RD.	14+64	LT.					2		1	
S32	77	FLALER RD.	14+64	LT.	W3-1	30"X30"	13	6.25				
S33	77	FLALER RD.	15+69	LT.						3		1
TOTALS CARRIED TO GENERAL SUMMARY							181	106	3	32	1	20

SUBSUMMARY - SIGNAGE

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
WJW

REVIEWER
MKG 11-08-24

PROJECT ID
117201

SHEET P.69 | TOTAL 84

MER - FT. RECOVERY SIDEWALKS

TRAFFIC CONTROL PLAN - GREENVILLE ROAD/SR 49
STA. 194+00 to STA. 204+00

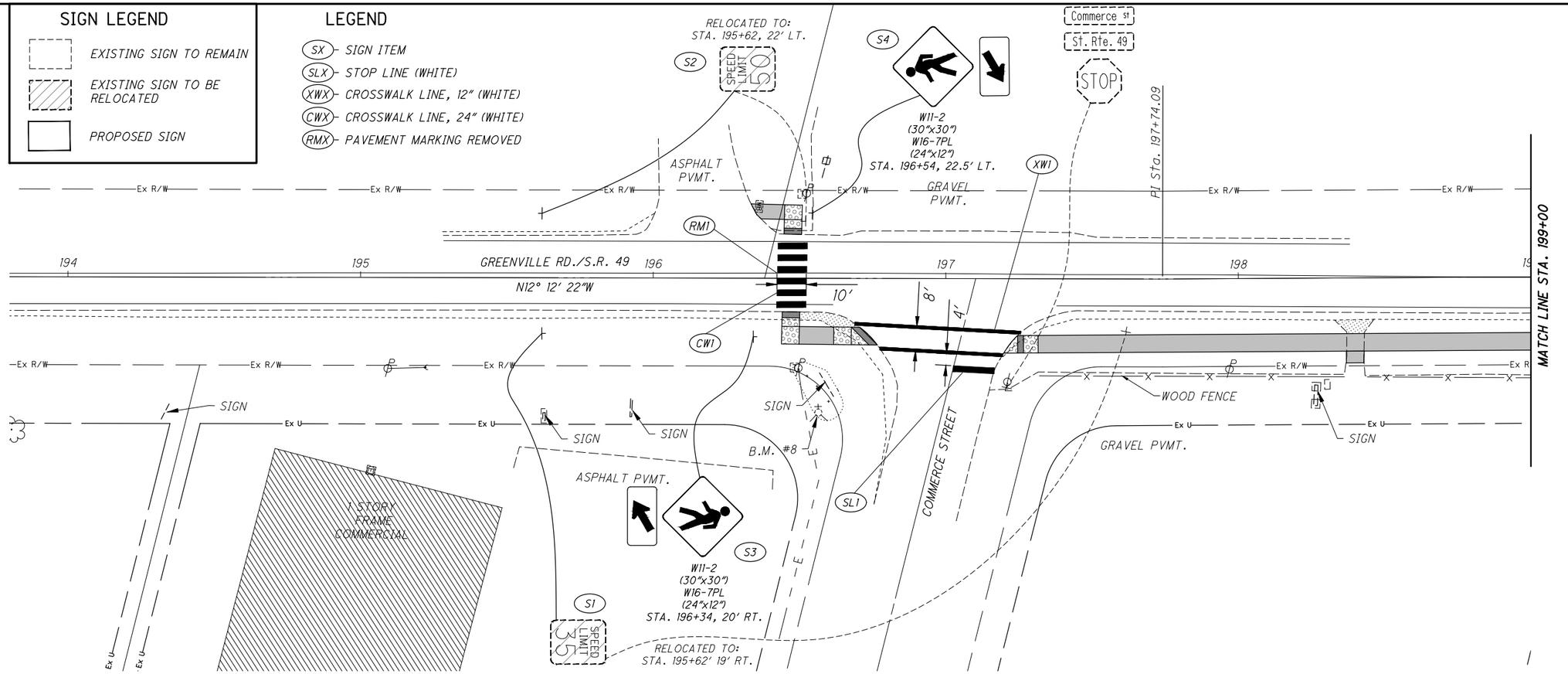
HORIZONTAL SCALE IN FEET
0 10 20 40

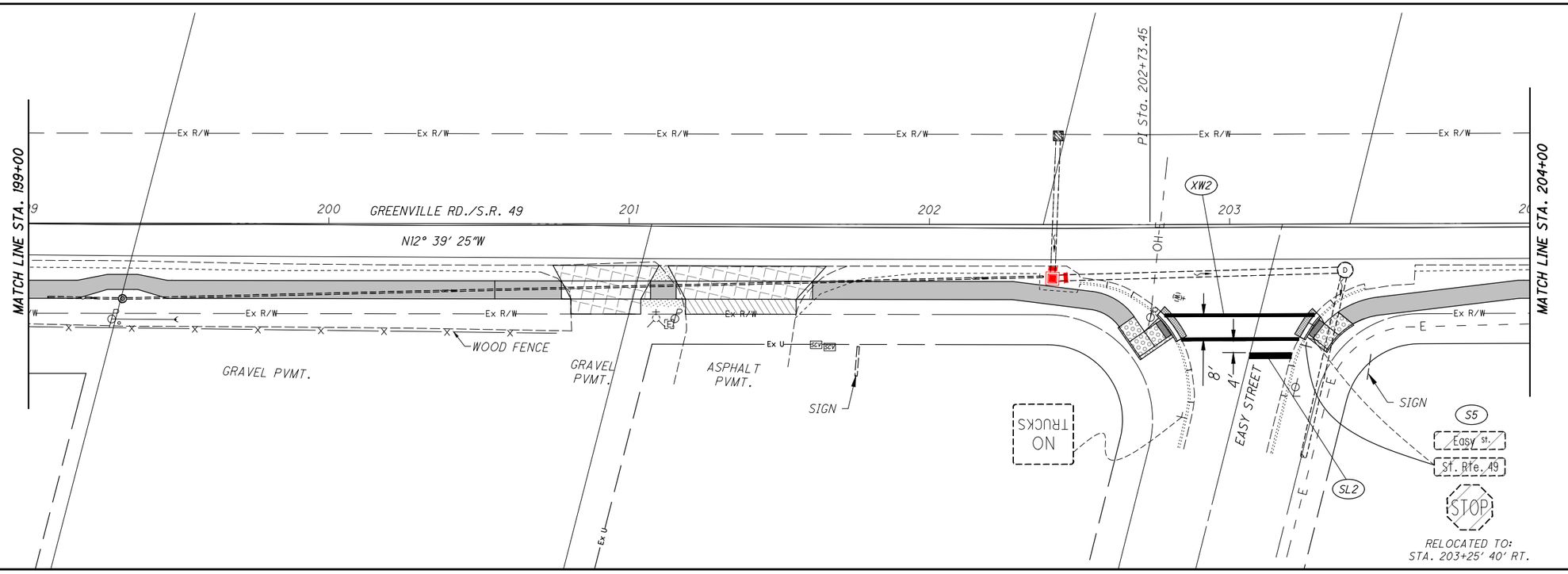
SIGN LEGEND

- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE RELOCATED
- PROPOSED SIGN

LEGEND

- (SX) – SIGN ITEM
- (SLX) – STOP LINE (WHITE)
- (XWX) – CROSSWALK LINE, 12" (WHITE)
- (CWX) – CROSSWALK LINE, 24" (WHITE)
- (RMX) – PAVEMENT MARKING REMOVED





DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.70
TOTAL	84

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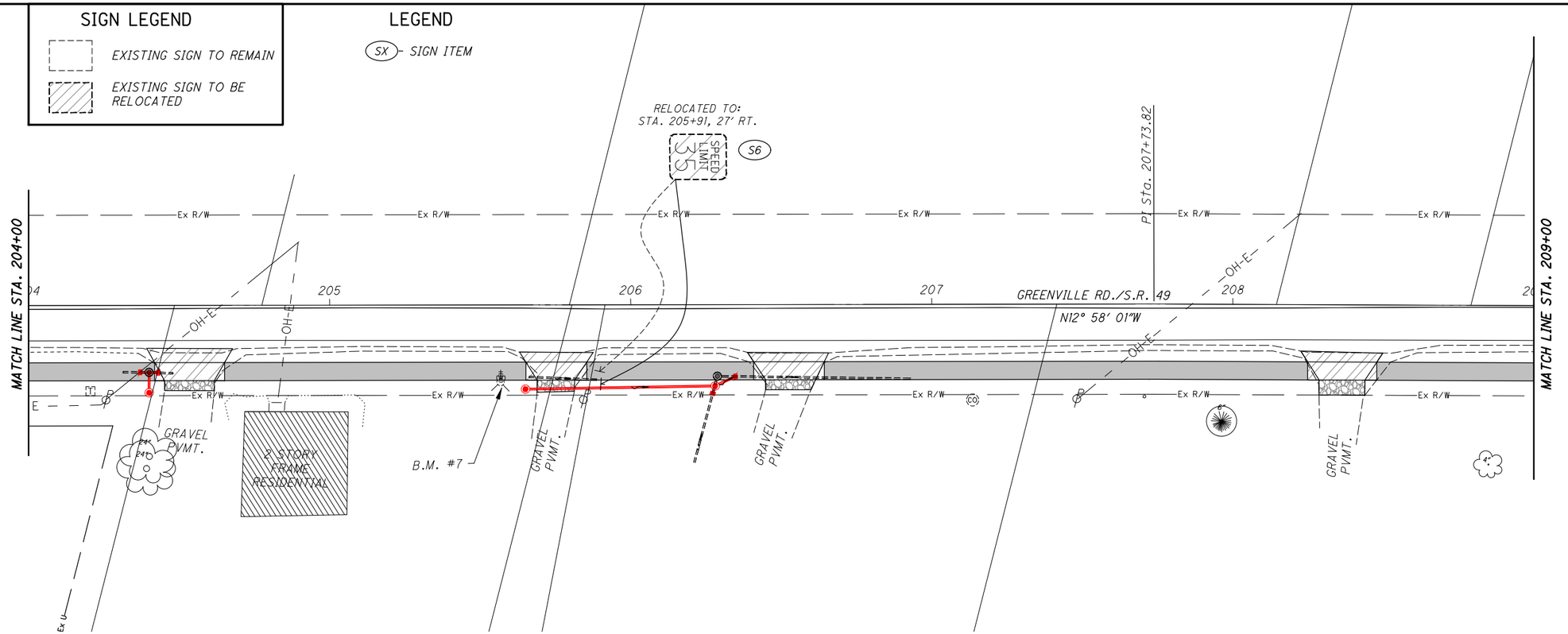
SIGN LEGEND

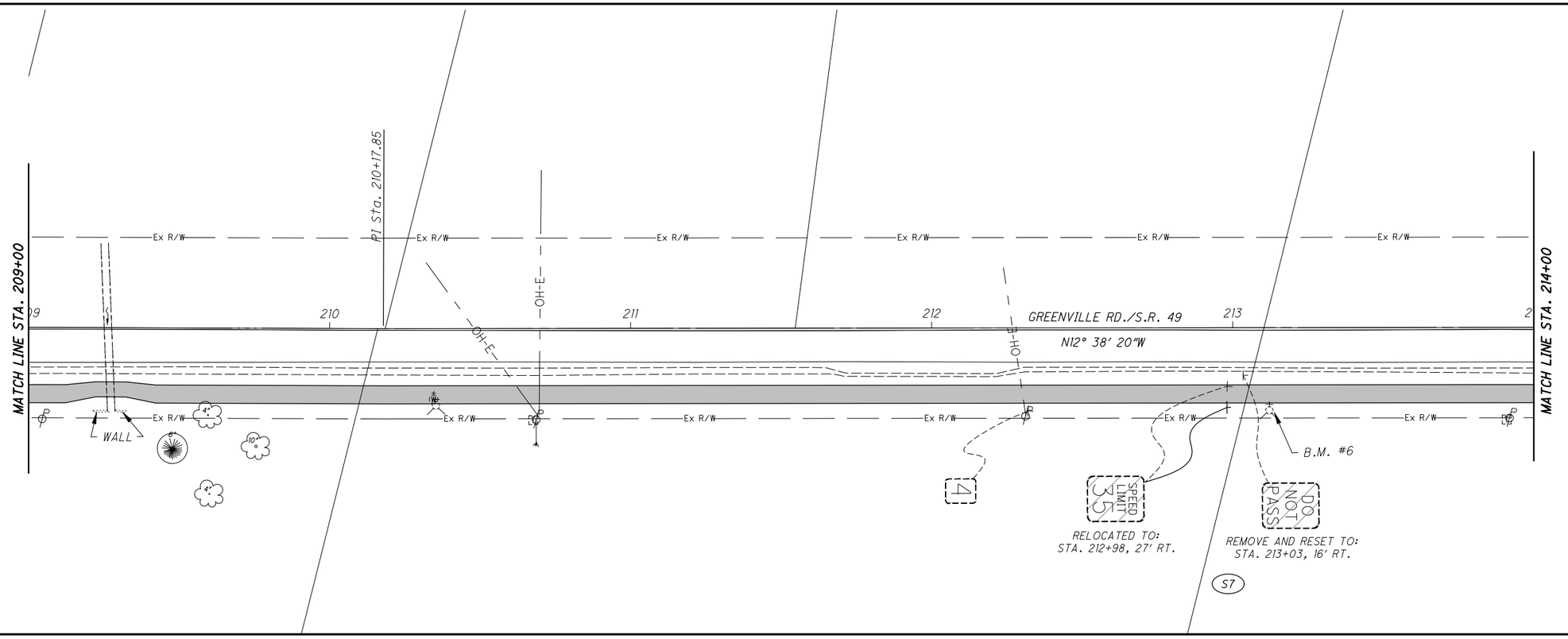
EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE RELOCATED

LEGEND

(SX) – SIGN ITEM





HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - GREENVILLE ROAD/SR 49
STA. 204+00 to STA. 214+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.71
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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SIGN LEGEND

- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE RELOCATED
- PROPOSED SIGN

LEGEND

- (SX) - SIGN ITEM
- (SLX) - STOP LINE (WHITE)
- (XWX) - CROSSWALK LINE, 12" (WHITE)
- (CWX) - CROSSWALK LINE, 24" (WHITE)
- (YLX) - YIELD LINE
- (RMX) - PAVEMENT MARKING REMOVED

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - GREENVILLE ROAD/SR 49
STA. 214+00 to STA. 219+00

MER - FT. RECOVERY SIDEWALKS

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MATCH LINE STA. 214+00

MATCH LINE STA. 219+00

S9 — W11-2 (30"x30") W16-7PL (24"x12") STA. 215+89, 24' LT.

RELOCATED TO: STA. 216+93, 22.5' LT. — S10 — SPEED LIMIT 45

RELOCATED TO: STA. 217+68, 57.5' LT. — S11 — STOP — ST. RTE. 49 — GREENVILLE

RELOCATED TO: STA. 218+15, 32' LT. — S12 — FORT RECOVERY HIGH SCHOOL BASEBALL FIELD — FORT RECOVERY ELEMENTARY & MIDDLE SCHOOL

S8 — W11-2 (30"x30") W16-7PL (24"x12") STA. 215+62, 17.5' RT.

S13 — W11-2 (24"x24") W16-7PL (24"x12") STA. 218+17, 28.5' LT.

GREENVILLE RD./S.R. 49 N12° 53' 03"W

E. WIGGS ST.

SHARPSBURG ROAD

FT. RECOVERY DAIRY

1 STORY FRAME RESIDENTIAL

1 STORY BRICK COMMERCIAL

CONC. PVMT.

ASPHALT PVMT.

GRAVEL PVMT.

SIGN

B.M. #5

N66°58'25"E

S49° 42' 22"E

PI Sta. 218+55.01

Sta. 52+75.00

Ex R/W

Ex S/W

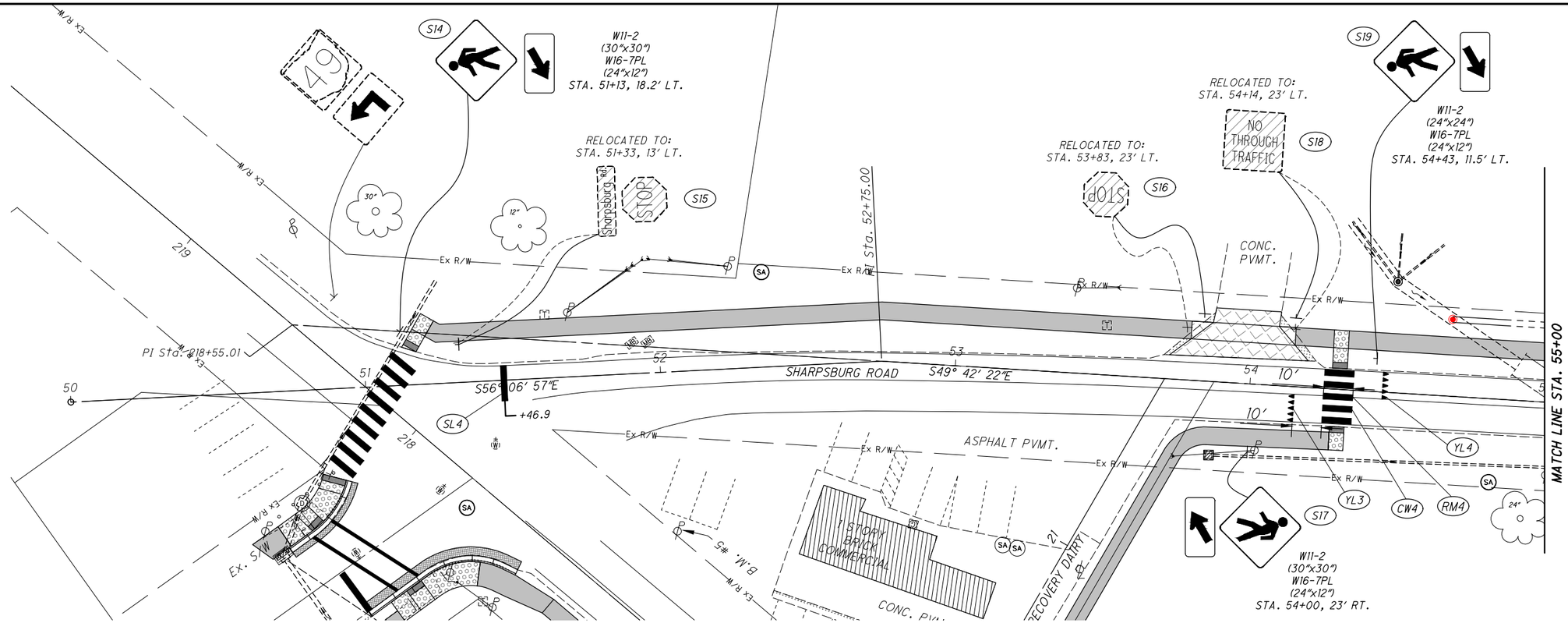
4.0'

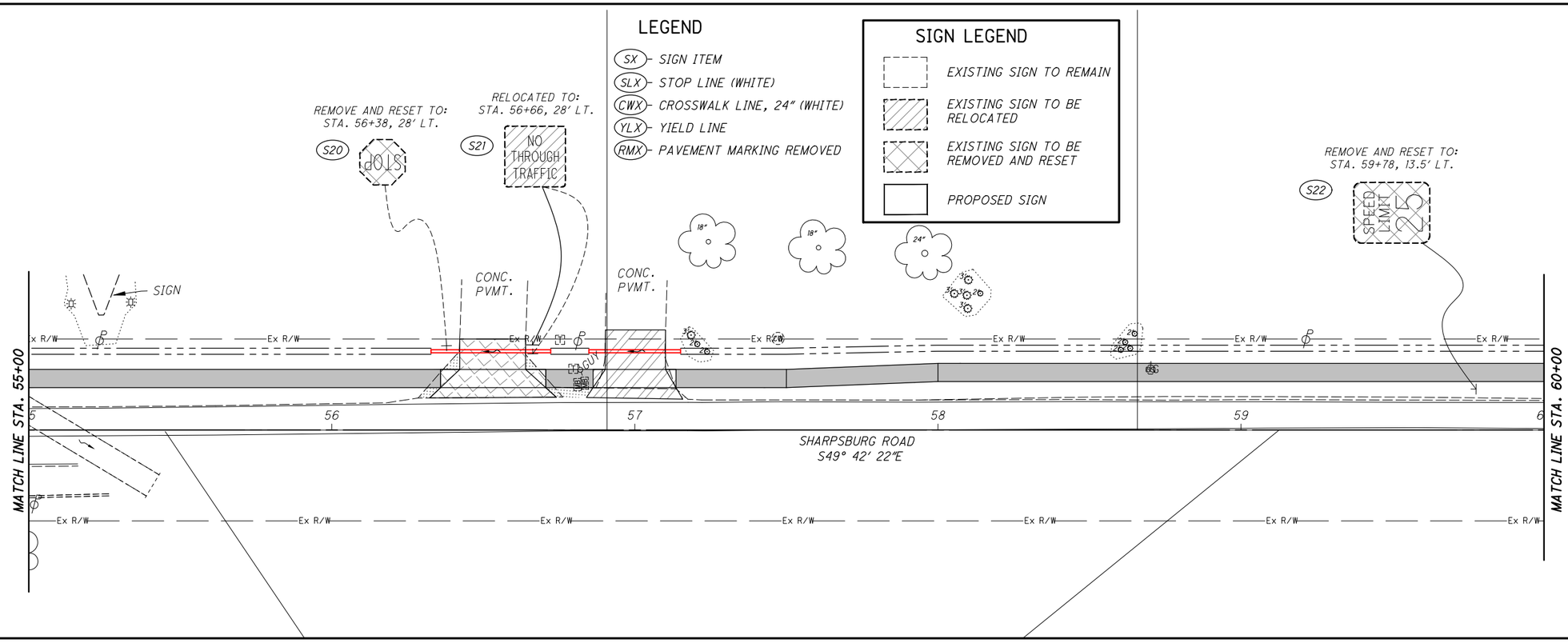
8'

10'

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.72
TOTAL	84





HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - SHARPSBURG ROAD
STA. 50+00 to STA. 60+00

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.73
TOTAL	84

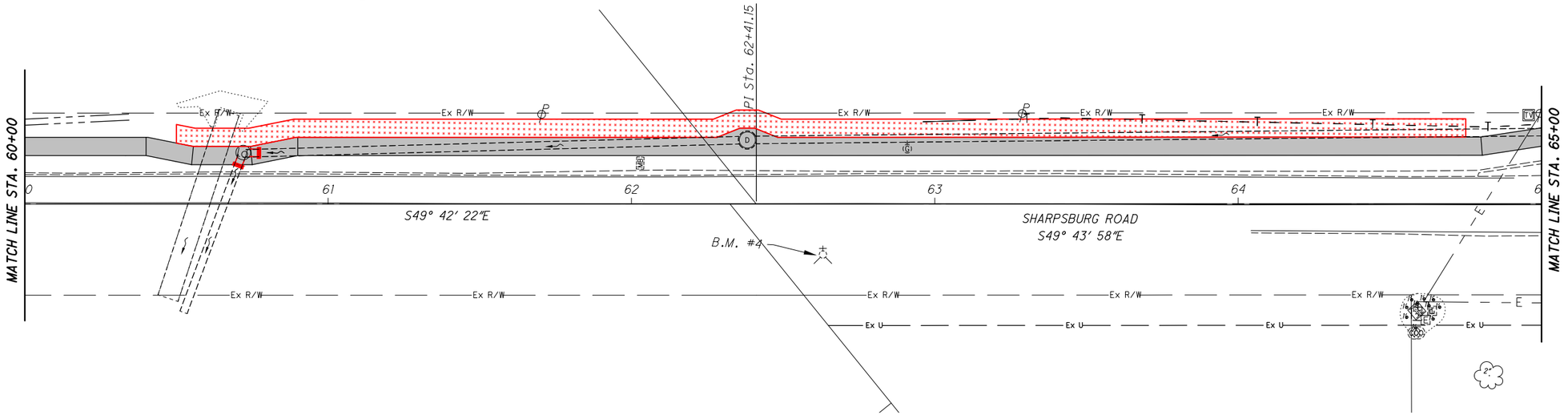
SIGN LEGEND

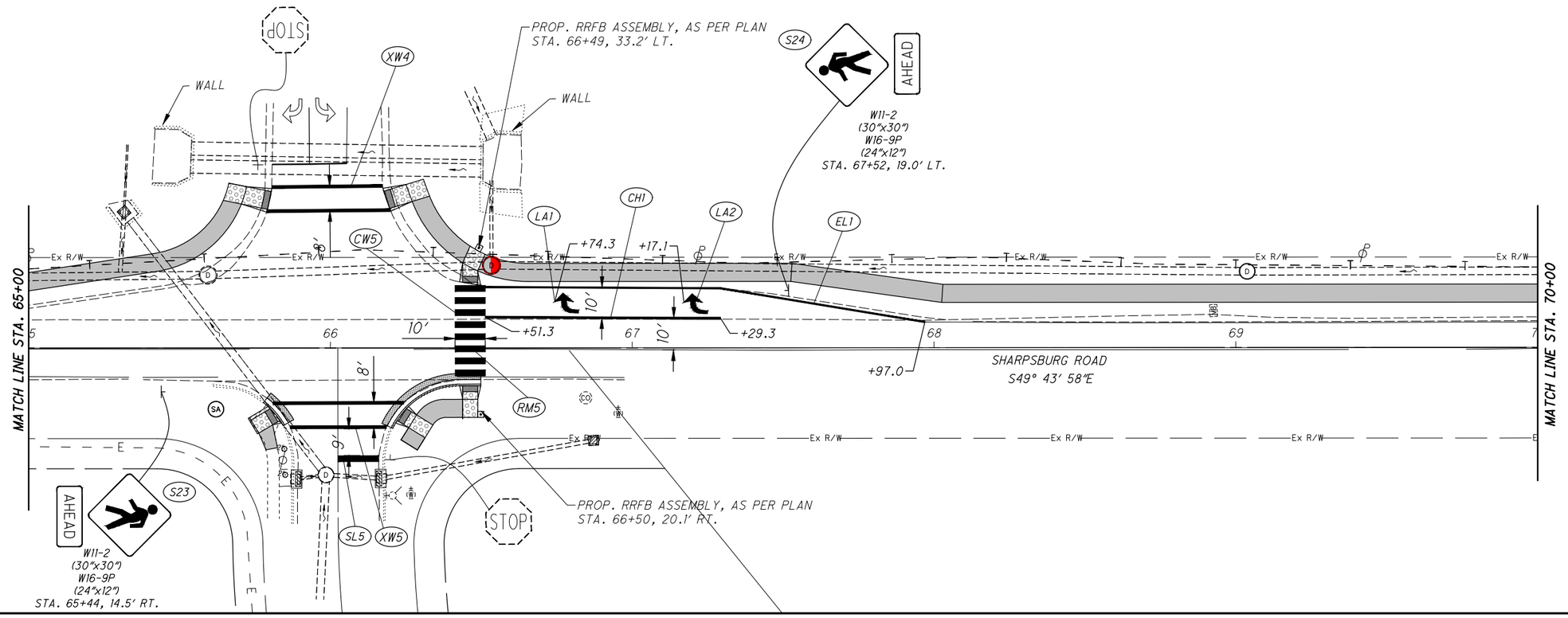
EXISTING SIGN TO REMAIN

PROPOSED SIGN

LEGEND

- CHX – CHANNELIZING LINE, 8"
- ELX – EDGE LINE, 4"
- LAX – LANE ARROW
- SX – SIGN ITEM
- SLX – STOP LINE (WHITE)
- XWX – CROSSWALK LINE, 12" (WHITE)
- CWX – CROSSWALK LINE, 24" (WHITE)
- RMX – PAVEMENT MARKING REMOVED





HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - SHARPSBURG ROAD
STA. 60+00 to STA. 70+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.74
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

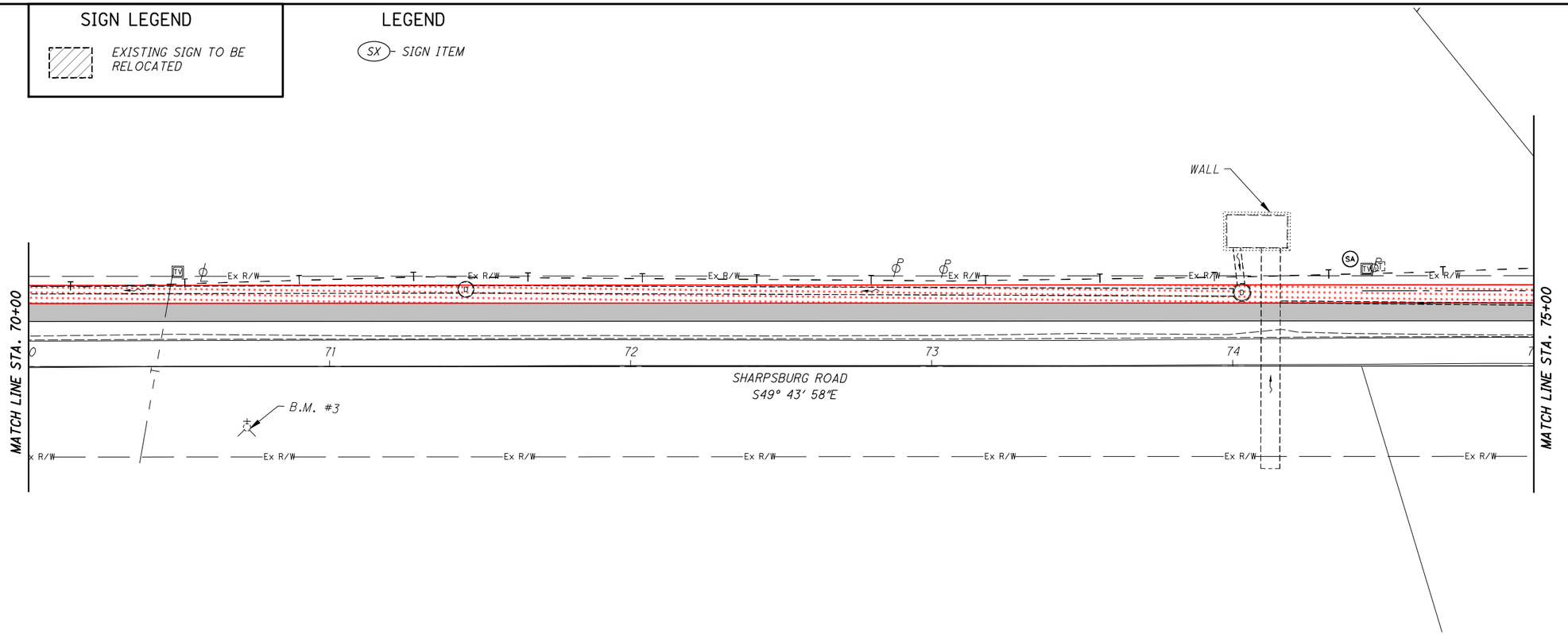
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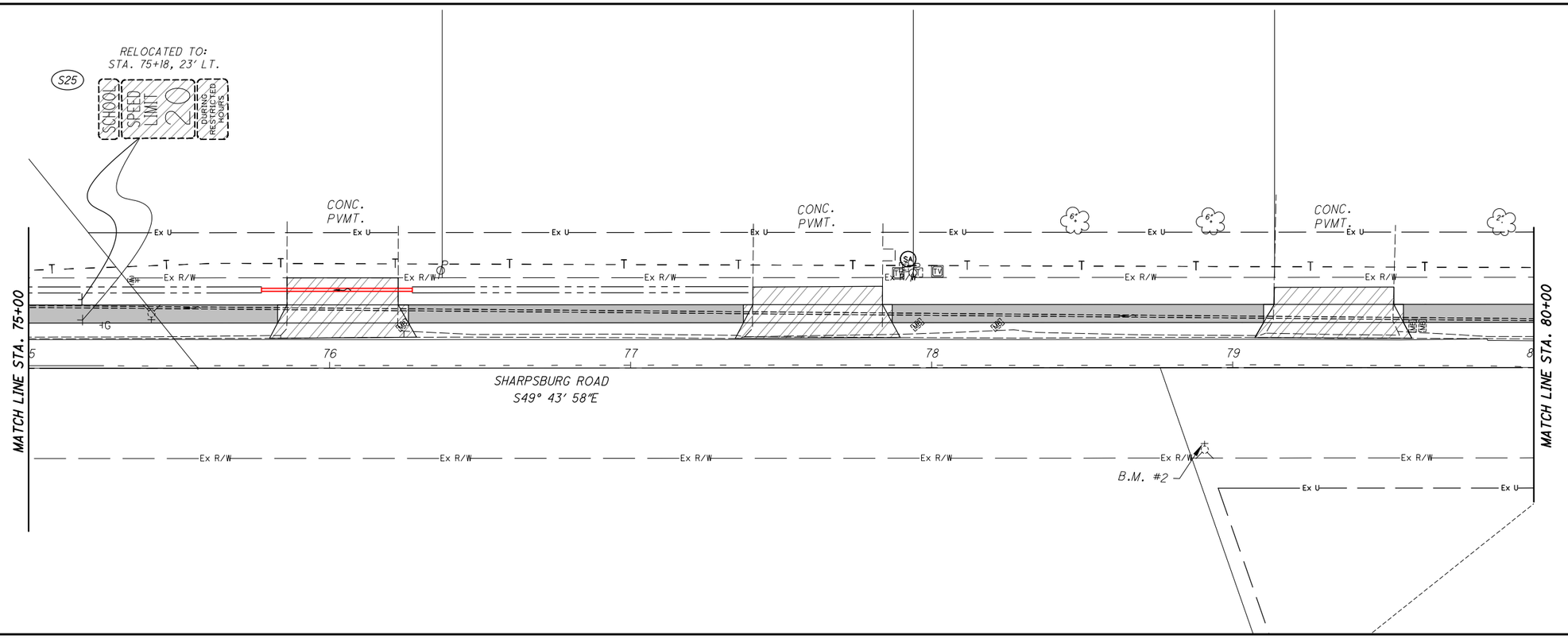
SIGN LEGEND

EXISTING SIGN TO BE RELOCATED

LEGEND

(SX) – SIGN ITEM





HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - SHARPSBURG ROAD
STA. 70+00 to STA. 80+00

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.75
TOTAL	84

SIGN LEGEND

- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED AND RESET
- EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN

LEGEND

- (SX) – SIGN ITEM
- (CWX) – CROSSWALK LINE, 24" (WHITE)
- (RMX) – PAVEMENT MARKING REMOVED

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - SHARPSBURG ROAD
STA. 80+00 to STA. 85+00

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.76
TOTAL	84

MER - FT. RECOVERY SIDEWALKS

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LEGEND

SX – SIGN ITEM

SIGN LEGEND

EXISTING SIGN TO BE RELOCATED

EXISTING SIGN TO BE REMOVED

PROPOSED SIGN

STA. 14+64, 16.2' LT.

S31

TRUCK AHEAD

W3-1 (30"x30")
STA. 14+64, 27.5' LT.

S32

CONC. PVMT.

FLALER ROAD

N40° 18' 16"E

FLALER ROAD
N00° 58' 54"E

MATCH LINE STA. 15+00

SWEET BREEZE DRIVE

GRAVEL PVMT.

STOP

Flaler Rd

Sweet Breeze Dr

S33

RELOCATED TO:
STA. 15+69, 38.5' LT.

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - FLALER ROAD
STA. 10+00 to STA. 20+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	WJW
REVIEWER	MKG 11-08-24
PROJECT ID	117201
SHEET	P.77
TOTAL	84

LIGHTING

REF NO.	SHEET NO.	ROADWAY	STATION TO STATION	SIDE	625 CONNECTION, FUSED PULL APART, AS PER PLAN (EACH)	625 CONNECTION, UNFUSED PULL APART (EACH)	625 CONNECTION, UNFUSED PERMANENT (EACH)	625 LIGHT POLE, DECORATIVE, AS PER PLAN (EACH)	625 LIGHT POLE FOUNDATION, 24" X 6' DEEP (EACH)	625 NO. 10 AWG 600 VOLT DISTRIBUTION CABLE (FT)	625 NO. 6 AWG 600 VOLT DISTRIBUTION CABLE (FT)	625 NO. 12 AWG POLE AND BRACKET CABLE (FT)	625 CONDUIT, 2", 725.051 (FT)	625 CONDUIT, 3", 725.051 (FT)	625 CONDUIT, 4", 725.051 (FT)	625 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 2" (FT)	625 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 3" (FT)	625 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 4" (FT)	625 LUMINAIRE, DECORATIVE, AS PER PLAN IES-III-M, LED, 12316 LUMENS (EACH)	625 TRENCH (FT)	625 PULL BOX, 725.06, SIZE 7 (EACH)	625 GROUND ROD (EACH)	625 POWER SERVICE, AS PER PLAN (EACH)	625 UNDERGROUND WARNING/MARKING TAPE (FT)	632 POWER CABLE, MISC.: 1/0 AWG., 600 VOLTS (FT)
1A-1	81	GREENVILLE	216+98.27, 21.50'	LT	2	2		1	1			144								1			1			
C-1	81	GREENVILLE	216+00.71, 22.00' TO 216+98.27, 21.50'	LT						342	342		98								98				98	
1A-2	81	GREENVILLE	216+00.71, 22.00'	LT	2	2		1	1			144								1			1			
C-2	81	GREENVILLE	215+97.46, 22.00' TO 216+00.71, 22.00'	LT						48	48		3								3				3	
PBx1	81	GREENVILLE	215+97.46, 22.00'	LT																		1				
C-3	81	GREENVILLE	215+71.28, 28.00' TO 215+97.46, 22.00'	RT, LT						189	189						58									
PBx2	81	GREENVILLE	215+71.28, 28.00'	RT																		1				
C-4	81	FT. REC. DAIRY	20+10.07, 19.73' TO 20+33.18, 18.92'	RT						96	96			24							24				24	
PS-1	81	FT. REC. DAIRY	20+33.18, 18.92'	RT																			1	1		
C-5	81	FT. REC. DAIRY	20+11.75, 23.37' TO 20+33.18, 18.92'	RT									22								22				22	43
C-6	81	FT. REC. DAIRY	20+33.18, 18.92' TO 21+43.11, 19.76'	RT						357	357			111							111				111	
PBx3	81	SHARPSBURG	53+78.67, 28.76'	RT																		1				
C-7	81	SHARPSBURG	53+78.67, 28.76' TO 53+82.18, 22.71'	RT, LT						171	171						52									
PBx4	81	SHARPSBURG	53+82.18, 22.71'	LT			6															1				
C-8	81	SHARPSBURG	53+24.36, 22.00' TO 53+82.18, 22.71'	LT						213	213		58								58				58	
1B-3	81	SHARPSBURG	53+24.36, 22.00'	LT	2	2		1	1			144								1			1			
C-9	81	SHARPSBURG	52+27.18, 22.00' TO 53+24.36, 22.00'	LT						348	348		100								100				100	
1B-2	81	SHARPSBURG	52+27.18, 22.00'	LT	2	2		1	1			144								1			1			
C-10	81	SHARPSBURG	51+22.99, 24.30' TO 52+27.18, 22.00'	LT						363	363		105								105				105	
1B-1	81	SHARPSBURG	51+22.99, 24.30'	LT	2	2		1	1			144								1			1			
C-11	81	SHARPSBURG	53+82.18, 22.71' TO 54+40.00, 22.00'	LT						213	213		58								58				58	
1B-4	81	SHARPSBURG	54+40.00, 22.00'	LT	2	2		1	1			144								1			1			
C-12	81	SHARPSBURG	54+40.00, 22.00' TO 54+44.98, 22.00'	LT									5								5				5	
C-1	83	SHARPSBURG	64+58.84, 33.98' TO 64+88.00, 29.00'	RT, LT												69										90
PS-2	83	SHARPSBURG	64+88.00, 29.00'	LT																			1	1		
C-2	83	SHARPSBURG	64+88.00, 29.00' TO 64+88.00, 27.50'	LT						30	30				2						2				2	
PBx1	83	SHARPSBURG	64+88.00, 27.50'	LT																		1				
C-3	83	SHARPSBURG	64+88.00, 27.50' TO 65+63.52, 49.14'	LT						288	288				83						83				83	
2A-1	83	SHARPSBURG	65+63.52, 49.14'	LT	2	2		1	1			144								1			1			
C-4	83	SHARPSBURG	65+63.52, 49.14' TO 66+43.84, 37.51'	LT						282	282							81								
PBx2	83	SHARPSBURG	66+43.84, 37.51'	LT																		1				
C-5	83	SHARPSBURG	66+43.84, 37.51' TO 66+49.21, 33.16'	LT						48	48			7							7				7	
2A-2	83	SHARPSBURG	66+49.21, 33.16'	LT	2	2						72								1						
C-6	83	SHARPSBURG	66+49.21, 33.16' TO 66+56.97, 31.19'	LT										8							8				8	
C-7	83	SHARPSBURG	66+43.84, 37.51' TO 66+53.05, 21.75'	LT, RT													61									
PBx3	83	SHARPSBURG	66+53.05, 21.75'	RT																		1				
C-8	83	SHARPSBURG	66+49.80, 22.04' TO 66+53.05, 21.75'	RT									3								3				3	
TOTALS CARRIED TO GENERAL SUMMARY					16	16	6	7	7	2988	2988	1080	452	150	85	69	171	81	8	687	7	9	2	687	133	

TRAFFIC CONTROL

REF NO.	SHEET NO.	ROADWAY	STATION TO STATION	SIDE	625 LIGHT POLE FOUNDATION, 24" X 6' DEEP (EACH)	625 GROUND ROD (EACH)	630 SIGNING, MISC.:RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (EACH)	632 ACCESSIBLE PEDESTRIAN PUSHBUTTON, BLACK (EACH)	632 SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG (FT)	632 SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG (FT)
C-2	83	SHARPSBURG	64+88.00, 29.00' TO 64+88.00, 27.50'	LT					20	20
C-3	83	SHARPSBURG	64+88.00, 27.50' TO 65+63.52, 49.14'	LT					192	192
C-4	83	SHARPSBURG	65+63.52, 49.14' TO 66+43.84, 37.51'	LT					188	188
C-5	83	SHARPSBURG	66+43.84, 37.51' TO 66+49.21, 33.16'	LT					19	23
C-7	83	SHARPSBURG	66+43.84, 37.51' TO 66+53.05, 21.75'	LT, RT					66	66
C-8	83	SHARPSBURG	66+49.80, 22.04' TO 66+53.05, 21.75'	RT					15	19
RRFB1	83	SHARPSBURG	66+49.21, 33.16'	LT	1	1	1	1		
RRFB2	83	SHARPSBURG	66+49.80, 22.04'	RT	1	1	1	1		
TOTALS CARRIED TO GENERAL SUMMARY					2	2	2	2	500	508

MER - FT. RECOVERY SIDEWALKS

SUBSUMMARY - LIGHTING, AND TRAFFIC CONTROL

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER WJW
REVIEWER MKG 11-08-24
PROJECT ID 117201
SHEET P.78 TOTAL 84

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SYMBOL SCHEDULE

MARK	LAMP TYPE	VOLTS	SOURCE AND WATTAGE BALLAST (LED DRIVER)	DESCRIPTION	MFR. AND CATALOG SERIES
A	LED	240	105 WATT	HADCO POST TOP LED MANUFACTURED BY SIGNIFY, WITH A HADCO DECORATIVE POLE, AND ONE GFI OUTLET RECEPTACLE.	FIXTURE: RL34 H A N N 2 A W N N N N A 5 N N N N SP1 POLE: P2560 16 A T G
LT				PC & PG STYLE POLYMER CONCRETE BOX & COVER, OPEN BASE BOX, 36" DEPTH, LIGHTING LOGO	PULL BOX, 725.06, SIZE 7

* THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS. ADDITIONALLY, IT IS UNDERSTOOD THAT THE MANUFACTURES MAY CHANGE CATALOG NUMBERS AND/OR VARY THEM TO FIT CURRENT MODELS. THE CONTRACTOR SHALL ADHERE AS CLOSELY AS POSSIBLE TO THE CATALOG MODEL SYSTEM.

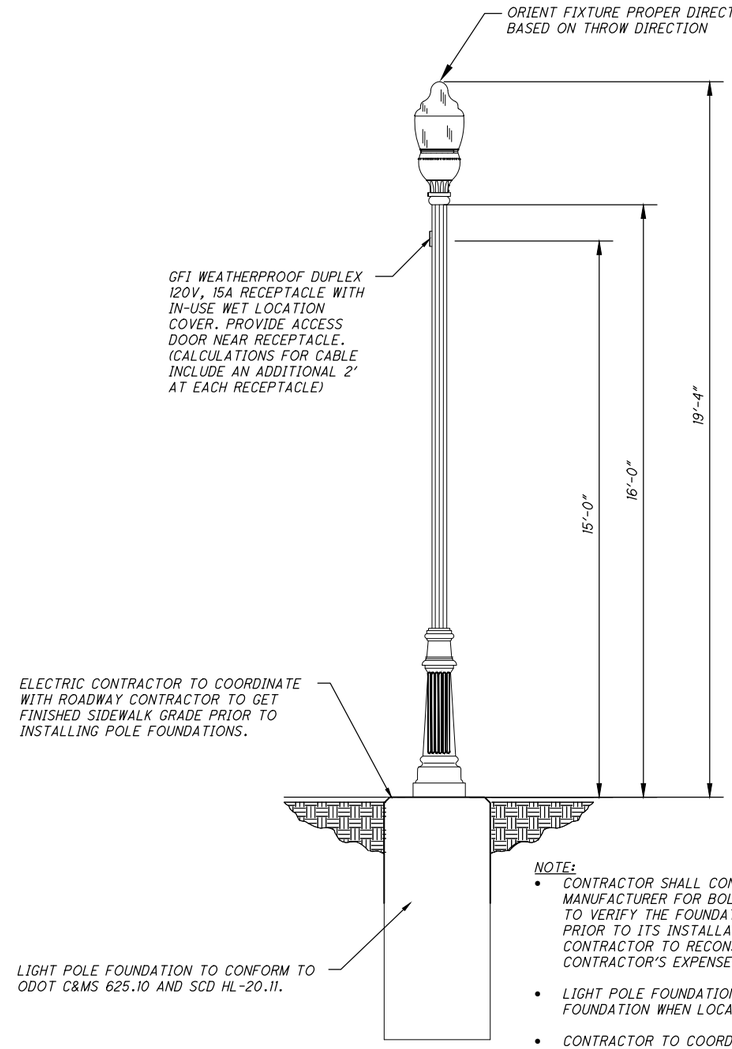
ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE MOST RECENT VERSION OF THE OHIO BUILDING CODE, THE N.E.C. AND N.F.P.A. STANDARD NO. 70, AND IS SUBJECT TO THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION.
2. ALL NOTED MOUNTING HEIGHTS ARE FROM FINISHED GRADE OR GRADE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED.
3. (3) No. 6 AWG. 600 VOLT DISTRIBUTION CABLES SHALL BE USED FOR SUPPLYING POWER TO THE POLES (OUTLETS).
4. (3) NO. 10 AWG. 600 VOLT DISTRIBUTION CABLES SHALL BE USED FOR SUPPLYING POWER TO THE POLES (LUMINAIRES).
5. (3) No. 12 AWG. POLE AND BRACKET CABLES SHALL BE USED TO SUPPLY POWER TO THE LUMINAIRE.
6. (3) No. 12 AWG. POLE AND BRACKET CABLES SHALL BE USED TO SUPPLY POWER TO THE OUTLET.

GENERAL NOTES

1. ELECTRIC POWER SHALL BE OBTAINED FROM AES OHIO AT THE LOCATION INDICATED ON THE PLANS. POWER SUPPLIED SHALL BE 120/240 VOLT, SINGLE PHASE SERVICE FOR THE LIGHTING.

   AES OHIO CONTACT: WILLIAM GOURLEY AND WILLIAM WARD
   (937) 331-4521 (937) 554-9063
2. CONDUIT PLACEMENT IN ELECTRICAL DRAWINGS ARE DRAWN FOR CLARITY. ACTUAL CONDUIT SHOULD BE INSTALLED IN EXISTING RIGHT-OF-WAYS. COORDINATE EXACT CONDUIT ROUTES WITH THE VILLAGE OF FORT RECOVERY TO AVOID CONFLICT WITH SIGNAGE, CURBS, TREES AND OTHER LANDSCAPING.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND MISCELLANEOUS CONDUIT AND PIPES PRIOR TO DIGGING. ANY DAMAGE TO MARKED UNDERGROUND UTILITIES WHEN DIGGING MUST BE REPAIRED BY THIS CONTRACTOR. NOTE: ALL REPAIRS AND MODIFICATIONS SHALL BE CLOSELY COORDINATED WITH OWNING UTILITIES OFFICIALS.
4. STUB CONDUIT THROUGH JUNCTION BOX SIDEWALLS.
5. CONTRACTOR TO SUPPLY/INSTALL/WIRE ELECTRIC SERVICE ENCLOSURE WITH CONTENTS AND FOUNDATION.
6. ALL UNDERGROUND CONDUIT SHALL HAVE UNDERGROUND MARKING TAPE INSTALLED PER ODOT CMS 625.20 AND 725.22.



NOTE:

- CONTRACTOR SHALL CONTACT THE POLE MANUFACTURER FOR BOLT CIRCLE DIMENSIONS. FAILURE TO VERIFY THE FOUNDATION WITH THE MANUFACTURER PRIOR TO ITS INSTALLATION WILL REQUIRE A CONTRACTOR TO RECONSTRUCT, OR RESET AT THE CONTRACTOR'S EXPENSE.
- LIGHT POLE FOUNDATION SHALL BE 2" EXPOSED FOUNDATION WHEN LOCATED IN CURB LAWN.
- CONTRACTOR TO COORDINATE WITH ROADWAY CONTRACTOR FOR ELEVATIONS OF SIDEWALK TO ENSURE THE FOUNDATION WILL BE FLUSH WITH THE SIDEWALK.

LIGHT POLE, AESTHETIC, AS PER PLAN

LIGHTING NOTES

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DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER BMW
REVIEWER AJH 11-08-24
PROJECT ID 117201
SHEET P.79 TOTAL 84

ITEM 625 CONNECTION, FUSED PULL APART, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT SPECIFICATIONS 625.18 AND 725.15, THE FOLLOWING REQUIREMENTS SHALL APPLY:

THE CONTRACTOR SHALL SUPPLY A 10 AMP FUSE FOR THE LUMINAIRES AND A 6 AMP FUSE FOR THE OUTLETS.

PAYMENT FOR ITEM 625 CONNECTION, FUSED PULL APART, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 625 LIGHT POLE, AESTHETIC, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF INSTALLING THE LIGHT POLE INCLUDING ALL HARDWARE, MATERIALS, AND EQUIPMENT NECESSARY.

LIGHT POLES SHALL BE THE POST-TOP DECORATIVE ACORN STYLE POLE PER ODOT SCD. HL-10.11. ALL LIGHT POLES SHALL MATCH THE EXISTING DECORATIVE LIGHT POLES THROUGHOUT THE VILLAGE.

LIGHT POLE SHALL BE HADCO DECORATIVE POLE MANUFACTURED BY SIGNIFY. LIGHT POLE SHALL BE P2560 16 A T G AS SHOWN ON LUMINAIRE SCHEDULE. THE POLES SHALL INCLUDE AN OUTLET RECEPTACLE AS SHOWN IN POLE DETAIL. THE POLE, OUTLET RECEPTACLE AND HARDWARE SHALL BE GALVANIZED WITH A BLACK FINISH PER ODOT SS 916.

THE CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER THAT THE POLE MATCHES ALL DETAILS OF THE EXISTING POLES.

PAYMENT FOR ITEM 625 LIGHT POLE, AESTHETIC, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 625 CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, (DIAMETER)

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 625 - CONDUIT JACKED OR DRILLED, EXCEPT AS HEREIN MODIFIED.

ALL MATERIALS, PROCEDURES, AND TESTING USED SHALL CONFORM WITH THE ENCLOSED STANDARDS AND SPECIFICATIONS.

ALL CONDUIT CAPABLE OF HORIZONTAL DIRECTIONAL DRILLING SHALL BE EPEC-40-HDPE.

THE HORIZONTAL DIRECTIONAL DRILLING SHALL BE IN ACCORDANCE WITH ASTM F1962 AT THE LOCATIONS SHOWN ON THE PLANS.

AN EXTRA PULL STRING, FOR FUTURE USE, SHALL BE INSTALLED IN ALL CONDUIT.

THIS ITEM OF WORK SHALL INCLUDE FURNISHING AND INSTALLING ALL FITTINGS, BENDS, TEES, COUPLINGS, RESTRAINTS, TRACING WIRE, PULL STRING, ETC. AND SHALL INCLUDE THE COST FOR THE HORIZONTAL DIRECTIONAL DRILLING OF THE CONDUIT.

THIS ITEM OF WORK SHALL INCLUDE ALL COSTS ASSOCIATED WITH THE HORIZONTAL DIRECTIONAL DRILLING OF THE CONDUIT. THIS INCLUDES ANY REQUIRED BORING PITS, DEWATERING, BACKFILLING OF PITS, COMPACTION, ASPHALT, GRAVEL AND CONCRETE REPAIR, SEEDING AND MULCHING, LANDSCAPING REPAIR, ETC. NECESSARY TO RESTORE THE AREA BACK TO EQUAL OR BETTER CONDITIONS.

PAYMENT FOR ITEM 625 - CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, (DIAMETER), FOR ALL OPERATIONS DESCRIBED (INCLUDING TESTING AND PURITIES) ABOVE SHALL BE AT THE CONTRACT FOOT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 625 LUMINAIRE, DECORATIVE, AS PER PLAN, IES-III-M, LED, 12316 LUMENS

THIS ITEM OF WORK SHALL CONSIST OF INSTALLING A DECORATIVE LUMINAIRE INCLUDING ALL WIRING, CONNECTIONS, GROUNDING HARDWARE, MATERIALS, AND EQUIPMENT NECESSARY.

LUMINAIRES SHALL BE HADCO POST TOP LED (RL34) AS LISTED IN THE LUMINAIRE SCHEDULE AND SHALL MATCH THE DECORATIVE ELEMENTS ON THE OTHER LUMINAIRES THROUGHOUT THE VILLAGE.

LUMINAIRE: RL34 H A N N 2 A W N N N A 5 N N N N SP1

LUMINAIRE SHALL BE BLACK TO MATCH THE POLE COLOR.

THIS ITEM SHALL ALSO INCLUDE ALL REQUIRED HARDWARE TO INSTALL THE LUMINAIRES.

THE VOLTAGE SUPPLIED SHALL BE 240 VOLTS FOR THE LUMINAIRES.

PAYMENT FOR ITEM 625 LUMINAIRE, DECORATIVE, AS PER PLAN, IES-III-M, LED, 12316 LUMENS, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 625 POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT SPECIFICATIONS 625 AND 725 AND SCD HL-40.20, THE FOLLOWING REQUIREMENTS SHALL APPLY:

APPLIED ENERGY SERVICES OHIO (AES OHIO) IS THE ELECTRICAL POWER SERVICE PROVIDER. ALL CONNECTIONS TO THE POWER SYSTEM SHALL BE COORDINATED WITH THE VILLAGE, AES OHIO, AND ENGINEER.

CIRCUIT BREAKER TYPE SHALL BE 15 AMP TYPE BREAKER FOR LUMINAIRES AND 20 AMP TYPE BREAKER FOR OUTLETS AS SHOWN IN THE CONTROL CENTER DATA.

THE VOLTAGE SUPPLIED SHALL BE NOMINALLY 120/240 VOLT SINGLE-PHASE SERVICE (120 VOLTS FOR THE OUTLETS AND 240 VOLTS FOR THE LUMINAIRES). THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS, INSPECTIONS AND THE PAYING OF ALL FEES.

THE POWER SERVICE SHALL PROVIDE SPACE FOR THE RRFB CABINET TO BE INSTALLED ON THE POWER SERVICE PANEL. THE MATERIAL AND WORK FOR THE ADDITIONAL SPACE SHALL BE INCIDENTAL TO THIS PAY ITEM. THE MATERIAL, WORK, AND INSTALLATION OF THE RRFB CABINET SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEM.

CONTRACTOR SHALL PROVIDE A MIN. 100 AMP SERVICE WITH CIRCUIT BREAKERS, HOA SWITCH, AND PHOTOCELLS AT EACH SERVICE PER ODOT SCD HL-60.31. THE OUTLETS AND LUMINAIRES SHALL BE CONNECTED TO THE PHOTOCELLS. IN ADDITION, OVER CURRENT SHALL PROVIDE ENOUGH PROTECTION FOR ALL SERVICES AND FUTURE CONNECTIONS.

PAYMENT FOR ITEM 625 POWER SERVICE, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 632 POWER CABLE, MISC.: 1/0 AWG., 600 VOLTS

IN ADDITION TO THE REQUIREMENTS OF ODOT SPECIFICATIONS 632 AND 732, THE FOLLOWING REQUIREMENTS SHALL APPLY:

THE CONTRACTOR SHALL SUPPLY 3 CONDUCTOR NO. 1/0 AWG. SERVICE CABLE AT EACH POWER SERVICE LOCATION.

PAYMENT FOR ITEM 632 POWER CABLE, MISC.: 1/0 AWG., 600 VOLTS, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT FOOT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

UNDERDRAINS FOR PULL BOXES

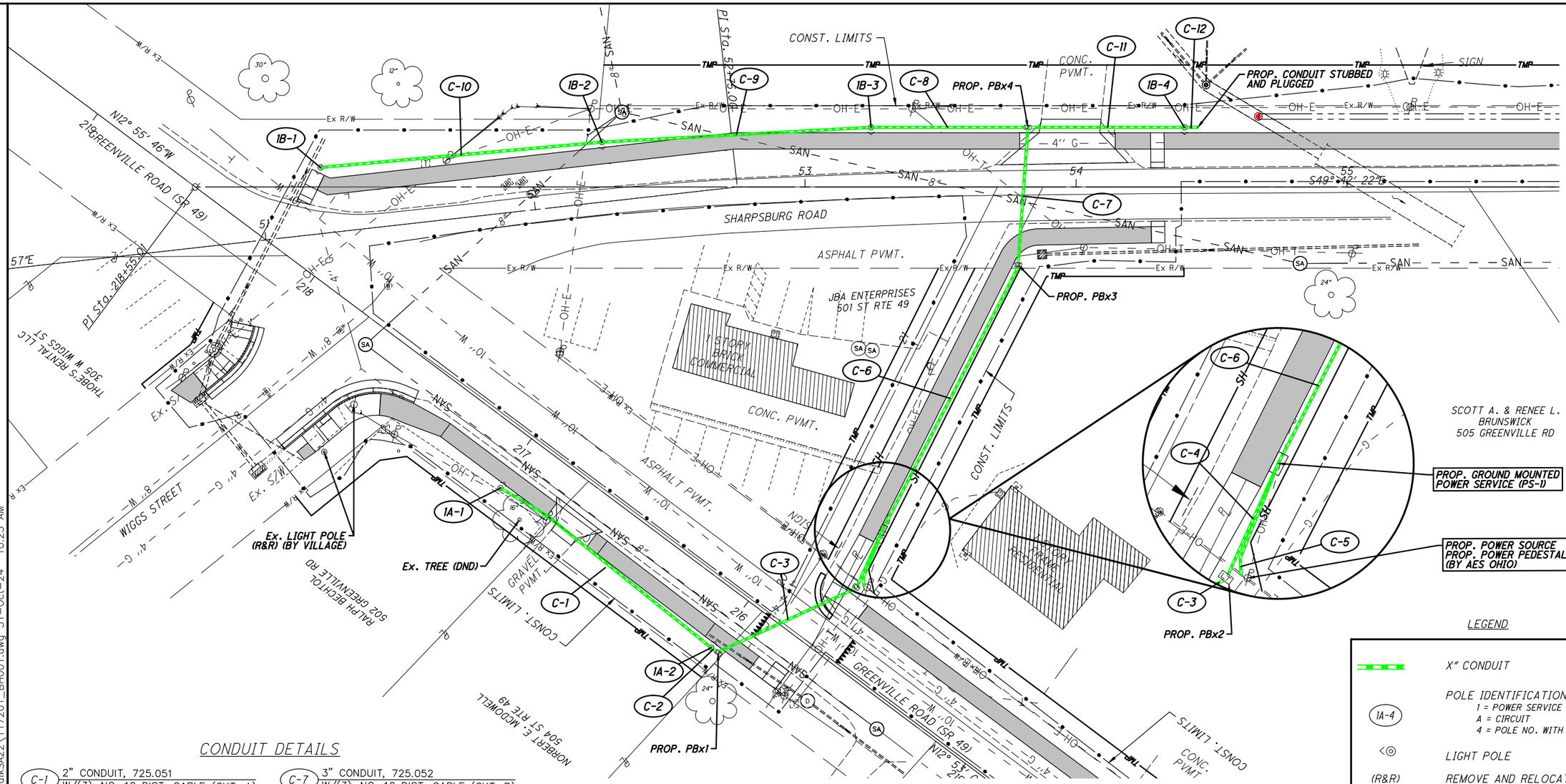
REFERENCE IS MADE TO STANDARD CONSTRUCTION DRAWING HL-30.11 FOR DETAILS OF DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED APPROXIMATELY 20 FEET. LONGER LENGTHS MAY BE REQUIRED AT CRITICAL PULL BOXES WHEN DIRECTED BY THE ENGINEER.

PAYMENT FOR ITEM 611 4" CONDUIT, TYPE E UNDERDRAINS WILL BE MADE AT THE CONTRACT FOOT BID PRICE. THE FOLLOWING ESTIMATED QUANTITY IS CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 611, 4" CONDUIT, TYPE E.....140 FT.

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER BMW
REVIEWER AJH 11-08-24
PROJECT ID 117201
SHEET P.80 TOTAL 84

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CONDUIT DETAILS

C-1 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
IN TRENCH (98')

C-2 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
IN TRENCH (3')

C-3 3" CONDUIT, 725.052
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
JACKED AND DRILLED (58')

C-4 3" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
IN TRENCH (24')

C-5 2" CONDUIT, 725.051
W/(1)–3/C 1/0 POWER CABLE
(POWER SERVICE)
IN TRENCH (22')

C-6 3" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (111')

C-7 3" CONDUIT, 725.052
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
JACKED AND DRILLED (52')

C-8 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (58')

C-9 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (100')

C-10 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (105')

C-11 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (58')

C-12 2" CONDUIT, 725.051
W/(1)–PULL STRING FOR FUTURE USE
IN TRENCH (5')

LEGEND

	X" CONDUIT
1A-4	POLE IDENTIFICATION NO. 1 = POWER SERVICE A = CIRCUIT 4 = POLE NO. WITH CIRCUIT
	LIGHT POLE
(R&R)	REMOVE AND RELOCATE
(DND)	DO NOT DISTURB

PULLBOX TABLE

PULL BOX #	SIZE* (726.06)
PBx1	7
PBx2	7
PBx3	7
PBx4	7

*ALL PULL BOXES SHALL BE ODOT SCD HL-30.11.

HORIZONTAL SCALE IN FEET
0 10 20 40

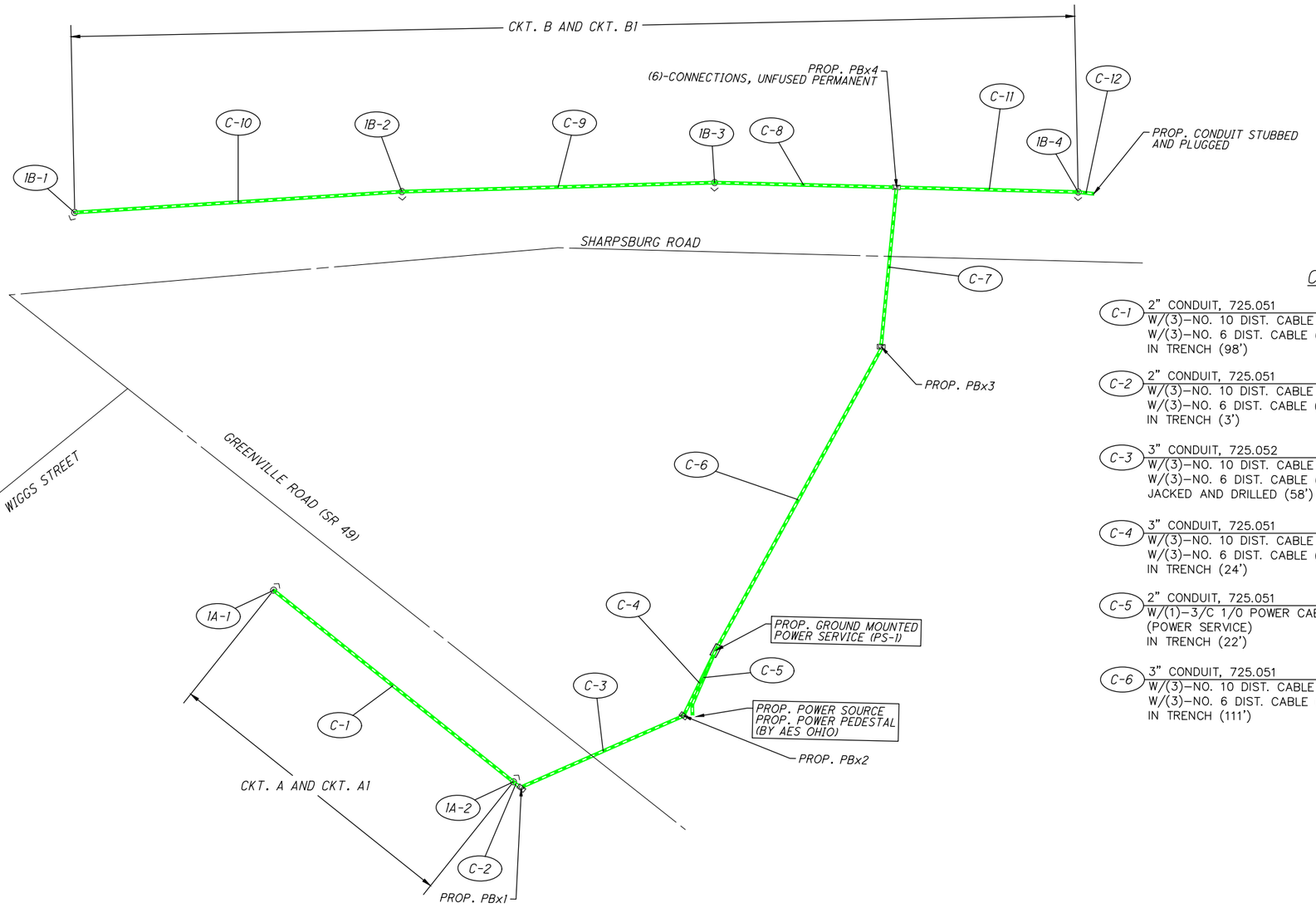
LIGHTING PLAN - GREENVILLE ROAD AND SHARPSBURG ROAD

MER - FT. RECOVERY SIDEWALKS

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER BMW
REVIEWER AJH 11-08-24
PROJECT ID 117201
SHEET P.81 TOTAL 84

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CONDUIT DETAILS

C-1 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
IN TRENCH (98')

C-2 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
IN TRENCH (3')

C-3 3" CONDUIT, 725.052
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
JACKED AND DRILLED (58')

C-4 3" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
IN TRENCH (24')

C-5 2" CONDUIT, 725.051
W/(1)–3/C 1/0 POWER CABLE
(POWER SERVICE)
IN TRENCH (22')

C-6 3" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (111')

C-7 3" CONDUIT, 725.052
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
JACKED AND DRILLED (52')

C-8 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (58')

C-9 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (100')

C-10 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (105')

C-11 2" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. B)
W/(3)–NO. 6 DIST. CABLE (CKT. B1)
IN TRENCH (58')

C-12 2" CONDUIT, 725.051
W/(1)–PULL STRING FOR FUTURE USE
IN TRENCH (5')

POWER SERVICE AND CIRCUIT SCHEDULE

	WATTS	CIRCUIT BREAKER SIZE
POWER SERVICE No.1 --> STA. 20+33.18, 18.92' RT		
CKT. A LUMINAIRES: 1A-1 1A-2	210	15 AMPS
CKT. A1 OUTLETS: #1, #2,	360	20 AMPS
CKT. B1 LUMINAIRES: 1B-1 1B-2 1B-3 1B-4	420	15 AMPS
CKT. B1 OUTLETS: #1, #2, #3, #4	720	20 AMPS
POWER SERVICE NO.2 --> STA. 64+88.00, 29.00' LT		
CKT. B LUMINAIRES: 2A-1 2A-2	210	15 AMPS
CKT. B1 OUTLETS: #1, #2,	360	20 AMPS
TOTAL LOAD	2280	

LEGEND

- X" CONDUIT
- 1A-4 — POLE IDENTIFICATION NO.
  1 = POWER SERVICE
  A = CIRCUIT
  4 = POLE NO. WITH CIRCUIT
- LIGHT POLE

CONTROL CENTER DATA

CONTROL CENTER DESIGNATION	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE - AWG	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUSE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
PS-1	240	0.6	1/0	100	A	1.75	15	10	VILLAGE
					B	0.88	15	10	
					-	-	-	-	
PS-1	120	1.1	1/0	100	A1	6.00	20	6	VILLAGE
					B1	3.00	20	6	
					-	-	-	-	

HORIZONTAL SCALE IN FEET
0 10 20 40

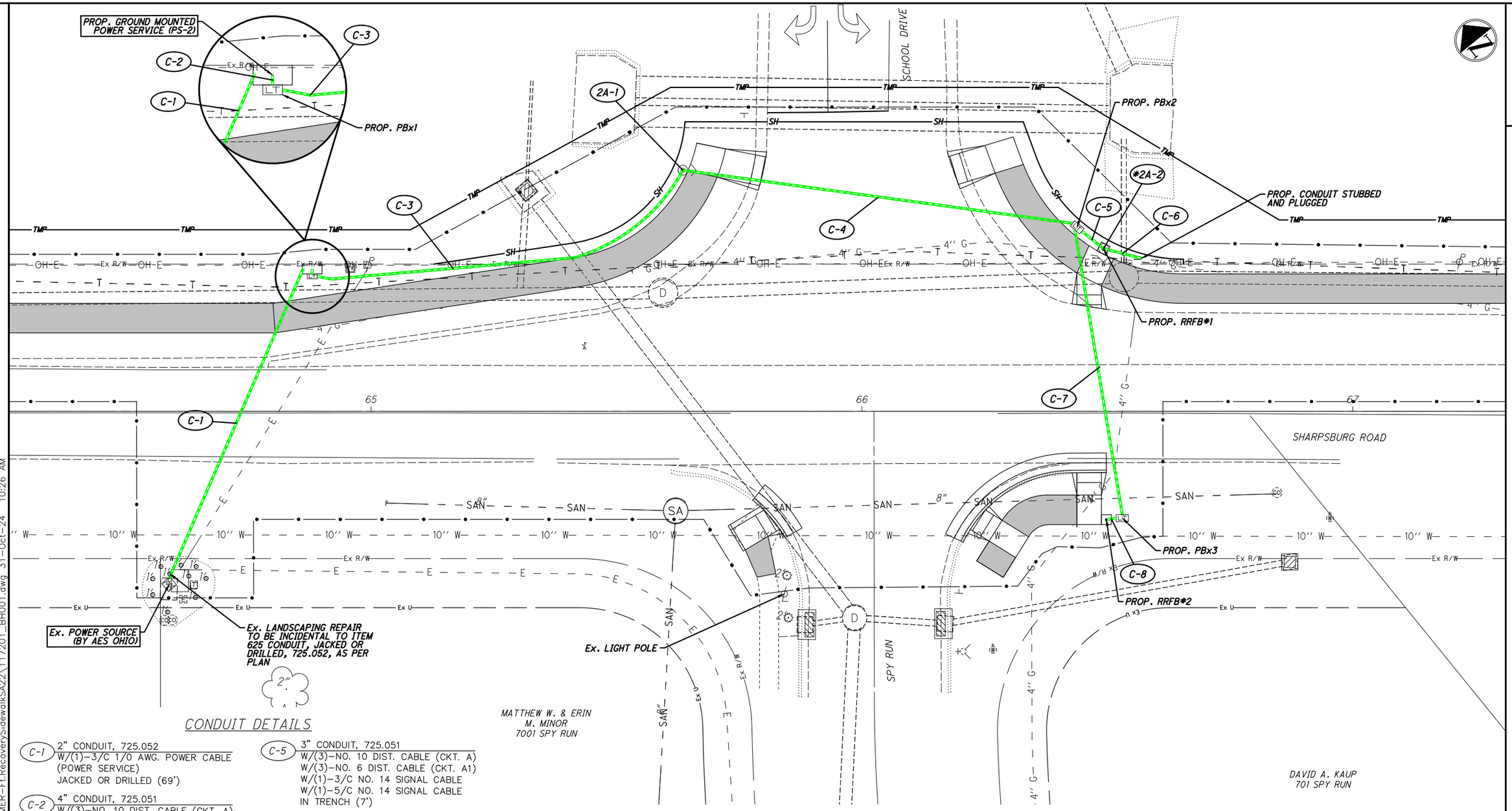
LIGHTING PLAN - GREENVILLE ROAD AND SHARPSBURG ROAD

MER - FT. RECOVERY SIDEWALKS

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER BMW
REVIEWER AJH 11-08-24
PROJECT ID 117201
SHEET P.82 TOTAL 84

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CONDUIT DETAILS

C-1 2" CONDUIT, 725.052
W/(1)–3/C 1/0 AWG. POWER CABLE (POWER SERVICE)
JACKED OR DRILLED (69')

C-2 4" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(2)–3/C NO. 14 SIGNAL CABLE
W/(2)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (2')

C-3 4" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(2)–3/C NO. 14 SIGNAL CABLE
W/(2)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (83')

C-4 4" CONDUIT, 725.052
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(2)–3/C NO. 14 SIGNAL CABLE
W/(2)–5/C NO. 14 SIGNAL CABLE
JACKED AND DRILLED (81')

C-5 3" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(1)–3/C NO. 14 SIGNAL CABLE
W/(1)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (7')

C-6 3" CONDUIT, 725.051
W/(1)–PULL STRING FOR FUTURE USE
IN TRENCH (8')

C-7 3" CONDUIT, 725.052
W/(1)–3/C NO. 14 SIGNAL CABLE
W/(1)–5/C NO. 14 SIGNAL CABLE
JACKED AND DRILLED (61')

C-8 2" CONDUIT, 725.051
W/(1)–3/C NO. 14 SIGNAL CABLE
W/(1)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (3')

PULLBOX TABLE

PULL BOX #	SIZE* (726.06)
PBx1	7
PBx2	7
PBx3	7

*ALL PULL BOXES SHALL BE ODOT SCD HL-30.11.

LEGEND

- X" CONDUIT
- POLE IDENTIFICATION NO.
  - * = PEDESTAL MOUNTED
  - I = POWER SERVICE
  - A = CIRCUIT
  - 4 = POLE NO. WITH CIRCUIT
- *IA-4
- LIGHT POLE
- PROP. RRFB

*CONTRACTOR SHALL INSTALL THE LUMINAIRE ON THE PEDESTAL OF THE RRFB ASSEMBLY.

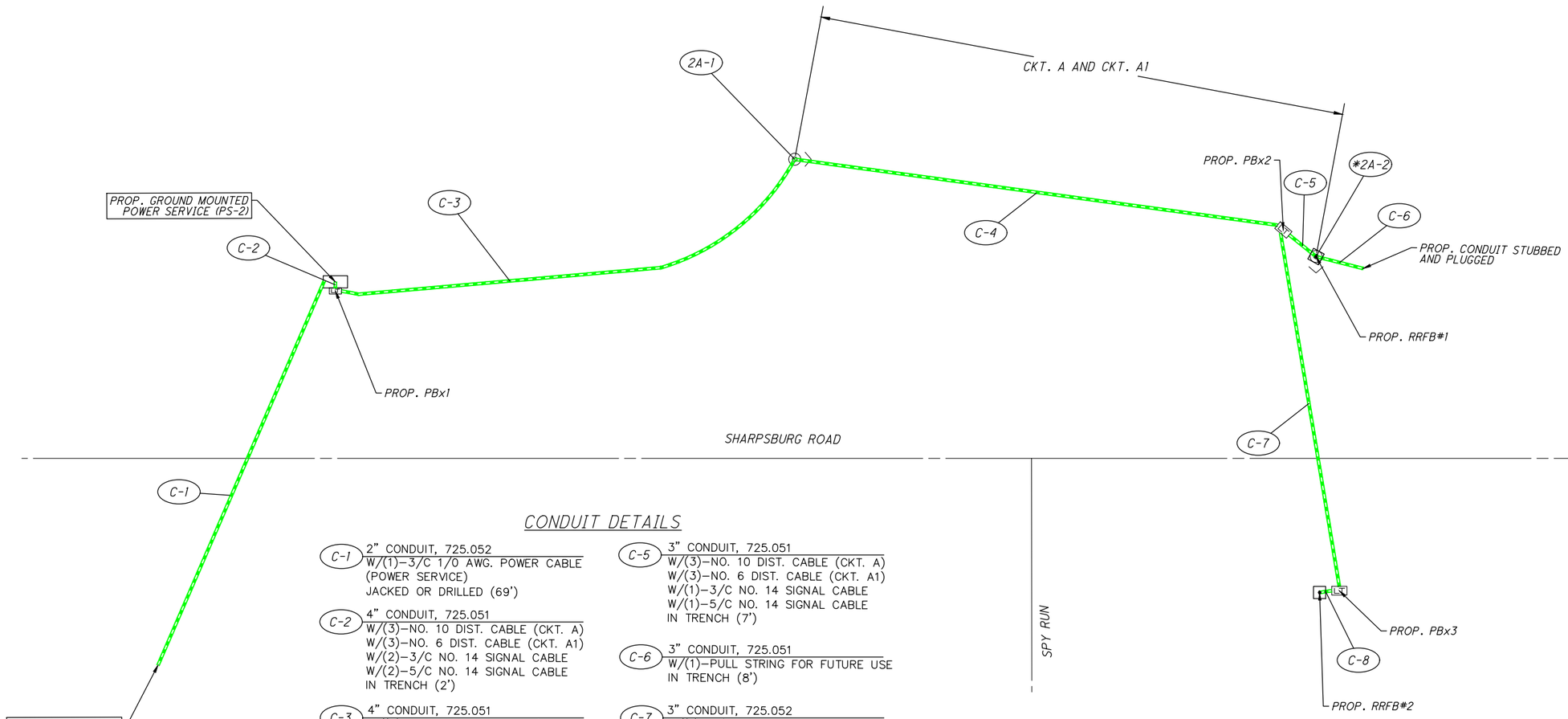
HORIZONTAL SCALE IN FEET
0 5 10 20

LIGHTING PLAN - SHARPSBURG ROAD AND SPY RUN

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER BMW
REVIEWER AJH 11-08-24
PROJECT ID 117201
SHEET P.83 TOTAL 84



CONDUIT DETAILS

C-1 2" CONDUIT, 725.052
W/(1)–3/C 1/0 AWG. POWER CABLE (POWER SERVICE)
JACKED OR DRILLED (69')

C-2 4" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(2)–3/C NO. 14 SIGNAL CABLE
W/(2)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (2')

C-3 4" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(2)–3/C NO. 14 SIGNAL CABLE
W/(2)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (83')

C-4 4" CONDUIT, 725.052
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(2)–3/C NO. 14 SIGNAL CABLE
W/(2)–5/C NO. 14 SIGNAL CABLE
JACKED AND DRILLED (81')

C-5 3" CONDUIT, 725.051
W/(3)–NO. 10 DIST. CABLE (CKT. A)
W/(3)–NO. 6 DIST. CABLE (CKT. A1)
W/(1)–3/C NO. 14 SIGNAL CABLE
W/(1)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (7')

C-6 3" CONDUIT, 725.051
W/(1)–PULL STRING FOR FUTURE USE
IN TRENCH (8')

C-7 3" CONDUIT, 725.052
W/(1)–3/C NO. 14 SIGNAL CABLE
W/(1)–5/C NO. 14 SIGNAL CABLE
JACKED AND DRILLED (61')

C-8 2" CONDUIT, 725.051
W/(1)–3/C NO. 14 SIGNAL CABLE
W/(1)–5/C NO. 14 SIGNAL CABLE
IN TRENCH (3')

POWER SERVICE AND CIRCUIT SCHEDULE

	WATTS	CIRCUIT BREAKER SIZE
POWER SERVICE No.1 --> STA. 20+33.18, 18.92' RT		
CKT. A LUMINAIRES: 1A-1 1A-2	210	15 AMPS
CKT. A1 OUTLETS: #1, #2,	360	20 AMPS
CKT. B1 LUMINAIRES: 1B-1 1B-2 1B-3 1B-4	420	15 AMPS
CKT. B1 OUTLETS: #1, #2, #3, #4	720	20 AMPS
POWER SERVICE NO.2 --> STA. 64+88.00, 29.00' LT		
CKT. B LUMINAIRES: 2A-1 2A-2	210	15 AMPS
CKT. B1 OUTLETS: #1, #2,	360	20 AMPS
TOTAL LOAD	2280	

LEGEND

X" CONDUIT

POLE IDENTIFICATION NO.
* = PEDESTAL MOUNTED
1 = POWER SERVICE
A = CIRCUIT
4 = POLE NO. WITH CIRCUIT

*1A-4

LIGHT POLE

*CONTRACTOR SHALL INSTALL THE LUMINAIRE ON THE PEDESTAL OF THE RRFB ASSEMBLY.

CONTROL CENTER DATA

CONTROL CENTER DESIGNATION	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE - AWG	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUSE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
PS-2	240	0.2	1/0	100	A	0.88	15	10	VILLAGE
					-	-	-	-	
					-	-	-	-	
PS-2	120	0.4	1/0	100	A1	3.00	20	6	VILLAGE
					-	-	-	-	
					-	-	-	-	

HORIZONTAL SCALE IN FEET
0 5 10 20

LIGHTING PLAN - SHARPSBURG ROAD AND SPY RUN

MER - FT. RECOVERY SIDEWALKS

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER BMW
REVIEWER AJH 11-08-24
PROJECT ID 117201
SHEET P.84 TOTAL 84