

LOCATION MAP

LATITUDE: 39°08'32" LONGITUDE: -84°37'51"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

**DESIGN DESIGNATION**

CURRENT ADT (2025)	13,700 (WERK), 14,300 (WESTBOURNE)
DESIGN YEAR ADT (2045)	18,800 (WERK), 19,500 (WESTBOURNE)
DESIGN HOURLY VOLUME (2045)	1,010 (WERK), 1,030 (WESTBOURNE)
DIRECTIONAL DISTRIBUTION	.53 (WERK), .58 (WESTBOURNE)
TRUCKS (24 HOUR B&C)	0.5% (WERK), 0.5% (WESTBOURNE)
DESIGN SPEED	35 (WERK), 35 (WESTBOURNE SOUTH), 30 (WESTBOURNE NORTH)
LEGAL SPEED	35 (WERK), 35 (WESTBOURNE)
DESIGN FUNCTIONAL CLASSIFICATION:	
MINOR ARTERIAL (WERK), MAJOR COLLECTOR (WESTBOURNE)	
NHS PROJECT	NO

**DESIGN EXCEPTIONS**

NONE

**ADA DESIGN WAIVERS**

REQUIRED

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764  
(Non members must be called directly)

PLAN PREPARED BY:  
TEC ENGINEERING, INC.  
7288 CENTRAL PARK BLVD  
MASON, OH 45040

ENGINEER'S SEAL

# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## HAM CR 158/460 2.04/0.54

SEC. 14, T. 2, FR. 2, M.R.S.

GREEN TOWNSHIP, HAMILTON COUNTY

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Dates updated based on recent SCD updates

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	MT-95.60	4/19/19	TC-21.21	7/18/25	800	1/16/26
BP-4.1	7/19/13	MT-95.61	4/19/19	TC-41.20	10/18/13	832	7/18/25
BP-5.1	1/16/26	MT-97.10	7/18/25	TC-42.20	10/18/13	878	1/16/26
BP-7.1	1/16/26	MT-101.90	7/17/20	TC-52.10	10/18/13	902	1/16/26
		MT-105.10	1/17/20	TC-52.20	1/15/21		
CB-2-2A, 2B, 2C	7/19/24	MT-110.10	7/19/13	TC-65.10	1/17/14		
CB-3	1/16/26			TC-65.11	7/18/25		
		RM-2.1	7/19/13	TC-71.10	1/16/26		
DM-1.1	1/17/25			TC-74.10	1/16/26		
DM-1.2	1/17/25			TC-81.22	1/16/26		
				TC-83.10	1/16/26		
MH-3	7/19/24			TC-83.20	1/16/26		
				TC-85.10	1/16/26		
				TC-85.20	4/21/23		

**FEDERAL PROJECT NUMBER**

E251192

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

ADDITION OF RIGHT TURN LANES ON 3 LEGS, AND REPLACEMENT OF THE TRAFFIC SIGNAL AT THE INTERSECTION OF WESTBOURNE AND WERK ROADS.

Description updated to match Ellis

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	0.87 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A

**2023 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

**FUTURE MAINTENANCE OF PROPOSED ITEMS:**

ALL PROPOSED DRAINAGE STRUCTURES AND CONVEYANCES SHOWN ON THESE PLANS ARE NOT ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF HAMILTON COUNTY, AND THE COUNTY OF HAMILTON IS NOT RESPONSIBLE TO MAINTAIN, REPAIR OR REPLACE ANY PROPOSED DRAINAGE STRUCTURES AND CONVEYANCES SHOWN ON THESE PLANS. EXCEPT HEREIN MODIFIED WHEN THE DRAINAGE STRUCTURES AND CONVEYANCES CROSS UNDERNEATH COUNTY ROADWAY. ALL PROPOSED SIDEWALK AND CURB RAMPS SHOWN ON THESE PLANS ARE NOT ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF HAMILTON COUNTY, AND THE COUNTY OF HAMILTON IS NOT RESPONSIBLE TO MAINTAIN, REPAIR OR REPLACE ANY PROPOSED SIDEWALK SHOWN ON THESE PLANS. ALL PROPOSED CURB AND CURB INLETS SHOWN ON THESE PLANS ARE NOT ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF HAMILTON COUNTY, AND THE COUNTY OF HAMILTON IS NOT RESPONSIBLE TO MAINTAIN, REPAIR OR REPLACE ANY PROPOSED DRAINAGE STRUCTURES AND CONVEYANCES SHOWN ON THESE PLANS.

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 AS SET FORTH ON THE PLANS AND ESTIMATE.

*Douglas A. Gruver*  
Douglas A. Gruver, P.E.  
District 08 Deputy Director

*Pamela Boratyn*  
Pamela Boratyn  
Director, Department of Transportation

DESIGN AGENCY

TEC ENGINEERING, INC.  
7288 CENTRAL PARK BLVD.  
MASON, OH 45040

DESIGNER  
AJH

REVIEWER  
KLL 02/26/26

PROJECT ID  
116548

SHEET TOTAL  
01 92

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**ELECTRIC - DUKE ENERGY**

2010 DANA AVE, CINCINNATI, OH 45207  
 513-514-8211 (MIKE CROSSLAND)  
 MIKE.CROSSLAND@DUKE-ENERGY.COM

**GAS - DUKE ENERGY**

139 EAST 4TH ST., ROOM 460A, CINCINNATI, OH 45202  
 OH/KYHOUSEBILL@DUKE-ENERGY.COM  
 513-287-2532 (DENISE GROSS)  
 DENISE.GROSS@DUKE-ENERGY.COM  
 513-287-2517 (MARK BRANSCUM)  
 MARK.BRANSCUM@DUKE-ENERGY.COM

**SANITARY - METROPOLITAN SEWER DISTRICT**

1600 GEST ST, CINCINNATI, OH 45204  
 513-557-7188 (ROB FRANKLIN - DESIGN)  
 ROB.FRANKLIN@CINCINNATI-OH.GOV  
 513-244-1369 (ALICE OLIVER - CONSTRUCTION)  
 ALICE.OLIVER@CINCINNATI-OH.GOV  
 MSDUTILITYREVIEW@CINCINNATI-OH.GOV

**BP PIPELINE**

930 TENNESSEE AVE, CINCINNATI, OH 45229  
 513-825-5250 (KIM MILLER)  
 KIMBLE.MILLER@BP.COM

**STORM - HAMILTON COUNTY ENGINEER'S OFFICE**

138 EAST COURT ST, CINCINNATI, OH 45202  
 513-946-4267 (JACOB VERST)  
 JACOB.VERST@HAMILTON-CO.ORG

**TELEPHONE (UNDERGROUND) - ALTA FIBER (CINCINNATI BELL)**

221 E 4TH STREET (BUILDING 205-120), CINCINNATI, OH 45202  
 513-565-7187 - (BRECK COWAN)  
 BRECK.COWAN@VERIZON.COM

**TELEPHONE/CABLE - CHARTER COMMUNICATIONS/SPECTRUM**

10920 KENWOOD ROAD, BLUE ASH, OHIO 45242  
 513-386-5499 (KENT RIEGER)  
 KENT.RIEGER@CHARTER.COM  
 DL-SOUTHERN-OHIO-SOUTH-CONSTRUCTION@CHARTER.COM

**LUMEN (LEVEL 3 COMMUNICATIONS)**

9490 MERIDIAN WAY, WEST CHESTER, OH 45069  
 513-644-8943 (BRUCE MILLER)  
 RELOCATIONS@LUMEN.COM

**BRIGHTSPEED (CENTURYLINK)**

20 N MECHANIC ST, LEBANON, OH 45036  
 513-933-3502 (JORDAN LANGSTON)  
 JORDAN.LANGSTON@BRIGHTSPEED.COM

**WATER - GREATER CINCINNATI WATER WORKS**

4747 SPRING GROVE AVENUE, CINCINNATI, OH 45232  
 513-352-3723 (DAN LOUIS)  
 GCWW.UTILITYREVIEW@GCWW.CINCINNATI-OH.GOV

**HAMILTON COUNTY ENGINEER'S OFFICE**

138 EAST COURT ST, CINCINNATI, OH 45202  
 513-946-8445 (TODD GADBURY)  
 TODD.GADBURY@HAMILTON-CO.ORG

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**PROTECTION OF RIGHT-OF-WAY LANDSCAPING**

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE ENGINEER.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**SURVEYING PARAMETERS**

Note updated

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

**PROJECT CONTROL**

POSITIONING METHOD: \_\_\_\_\_ ODOT V.R.S.  
 MONUMENT TYPE: \_\_\_\_\_ TYPE "B"

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: \_\_\_\_\_ NGVD 29  
 GEOID: \_\_\_\_\_ 12A

**HORIZONTAL POSITIONING**

REFERENCE FRAME: \_\_\_\_\_ CORS 2011  
 ELLIPSOID: \_\_\_\_\_ GRS 80  
 MAP PROJECTION: \_\_\_\_\_ OHIO SOUTH 3402  
 COORDINATE SYSTEM: \_\_\_\_\_ OHIO STATE PLANE  
 COMBINED SCALE FACTOR: \_\_\_\_\_ 1.0000  
 ORIGIN OF COORDINATE SYSTEM: \_\_\_\_\_ 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

**ITEM 204 - PROOF ROLLING**

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 2 HOUR.

**ITEM 301 - ASPHALT CONCRETE BASE, (449), AS PER PLAN**

THIS ITEM SHALL FOLLOW ALL REQUIREMENTS SPECIFIED IN THE CMS AND SHALL FOLLOW THE LIFT REQUIREMENTS AS SHOWN IN THE TYPICAL SECTION DETAIL ON SHEET 03.

Utility Work and Construction Noise taken out

DESIGN AGENCY



DESIGNER  
 AJH

REVIEWER  
 KLL 02/26/26

PROJECT ID  
 116548

SHEET TOTAL  
 06 | 92

**SEEDING AND MULCHING**

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

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	88 CU. YD.
659, SEEDING AND MULCHING	736 SQ. YD.
659, REPAIR SEEDING AND MULCHING	37 SQ. YD.
659, COMMERCIAL FERTILIZER	0.11 TON
659, LIME	0.15 ACRES
659, WATER	3 M. GAL.
659, MOWING	1 M. SQ.FT.

SEEDING AND MULCHING SHALL BE APPLIED 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.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. THE EXISTING SURFACE HAS BEEN SURVEYED AND CAN BE PROVIDED BY THE DESIGNER. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY (WITH A UNIFORM THICKNESS OF 3.0 INCHES) AS SHOWN ON THE TYPICAL SECTION.

**ADA WAIVER**

Note updated.

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

<u>ADA FEATURE</u>	<u>APPROVAL DATE</u>	<u>SHEET NUMBER</u>
RMP0026780	3/7/24	50
RMP0026781	3/7/24	50
RMP0026778	3/7/24	50
RMP0026782	3/7/24	50
RMP0025662	10/23/23	50

**MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED**

CAREFULLY REMOVE AND DELIVER TO HAMILTON COUNTY.

PAYMENT FOR ALL OF THE ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

**MANHOLES, CATCH BASINS AND INLETS ADJUSTED TO GRADE**

ALL ITEMS THAT ARE SPECIFIED IN THE PLANS TO BE ADJUSTED TO GRADE SHALL BE SET TO FINAL GRADE PRIOR TO PLACING SURROUNDING PAVEMENT.

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, 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, NOTIFY THE ENGINEER 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 AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER 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 IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

**ITEM 611 - MANHOLE, MISC.: ADJUST TO GRADE AND REPLACE LID**

THIS ITEM SHALL ADHERE TO ALL SPECIFICATIONS FOR ITEM 611e99654 - MANHOLE ADJUSTED TO GRADE AND SHALL INCLUDE THE REPLACEMENT OF THE LID. THE PROPOSED LID SHALL BE ADA COMPLIANT. IT SHALL BE FLAT AND FLUSH WITH THE CURB RAMP. THE 24" LID IS TO BE PLACED AT THE ELEVATION SPECIFIED IN THE PLANS PRIOR TO POURING CONCRETE AROUND IT.

ANY WORK, LABOR, EQUIPMENT OR MATERIAL RELATED TO THIS ITEM IS INCLUDED IN THE UNIT PRICE FOR ITEM 611 - MANHOLE, MISC.: ADJUST TO GRADE AND REPLACE LID.

**ITEM 611 - CONDUIT, MISC.: REPLACE YARD DRAIN OUTLET**

THIS ITEM INCLUDES ALL WORK, LABOR, EQUIPMENT AND MATERIAL RELATED TO THE REPLACEMENT OF EXISTING DRAINS THAT OUTLET TO THE EXISTING CURB. THE CONTRACTOR IS RESPONSIBLE TO CONNECT THE PVC CONDUIT TO THE PROPOSED CURB OR CONNECT THE CONDUIT TO THE NEARBY PROPOSED CATCH BASIN, WHICHEVER IS CLOSER. THE CONTRACTOR SHALL ENSURE POSITIVE FLOW AND ENSURE THE PIPE IS CLEAR OF ANY DEBRIS PRIOR TO THE CONCLUSION OF WORK. THE LOCATIONS OF THE YARD DRAINS ARE NOTED IN THE PLANS.

**ITEM 661 - PLANTING, MISC.: REPLACE DISTURBED LANDSCAPING**

THE CONSTRUCTION LIMITS EXTEND INTO THE EXISTING LANDSCAPING ALONG THE SOUTH SIDE OF WERK ROAD BETWEEN STA. 54+50 AND 57+93. IT IS THE FULL RESPONSIBILITY OF THE CONTRACTOR TO REPLACE ANY DISTURBED LANDSCAPING INCLUDING TREES, BUSHES, PLANTINGS AND MULCH. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER THROUGH THE TOWNSHIP TO DETERMINE DESIRED REPLACEMENT PLANTS. THE MULCH THAT IS TO BE REPLACED SHALL MATCH IN COLOR TO THE EXISTING MULCH.

PRIOR TO PLANTING ANY VEGETATION, THE CONTRACTOR MUST HAVE WRITTEN APPROVAL BY THE ENGINEER

IT IS ESTIMATED THAT 10 ORNAMENTAL GRASSES AND 8 BLAZING STAR (LIATRIS SPICATA) PLANTS WILL BE DISTURBED AND REPLACED.

A CONTINGENCY OF \$1,200 IS INCLUDED IN THE PROJECT'S ESTIMATE TO COVER THIS ITEM.

ANY WORK, LABOR, EQUIPMENT OR MATERIAL RELATED TO THE REPLACEMENT OF DISTURBED LANDSCAPING AT 5154 WERK RD IS INCLUDED IN THE LUMP SUM PRICE FOR ITEM 661 - PLANTING, MISC.: REPLACE DISTURBED LANDSCAPING.

**ITEM 662 - LANDSCAPE WATERING, MISC.: IRRIGATION SYSTEM**

THERE IS AN EXISTING IRRIGATION SYSTEM WITHIN THE CONSTRUCTION LIMITS ALONG THE SOUTH SIDE OF WERK ROAD BETWEEN STA. 54+50 AND 57+93. THE LOCATIONS OF THE LINES HAVE NOT BEEN SURVEYED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE IRRIGATION LINES PRIOR TO DIGGING. IF POSSIBLE, THE CONTRACTOR SHOULD AVOID THE EXISTING IRRIGATION SYSTEM. WHERE IT IS NOT POSSIBLE TO AVOID THE SYSTEM, THE CONTRACTOR SHALL RELOCATE THE IRRIGATION SYSTEM.

ANY WORK, LABOR, EQUIPMENT OR MATERIAL REQUIRED FOR THIS WORK IS INCLUDED IN THE UNIT PRICE FOR ITEM 662 - LANDSCAPE, WATERING, MISC.: IRRIGATION SYSTEM.

GCWW item removed  
Planting item updated  
with contingency

GENERAL NOTES

DESIGN AGENCY



DESIGNER  
AJH

REVIEWER  
KLL 02/26/26

PROJECT ID  
116548

SHEET TOTAL  
07 | 92

**ITEM 614 - MAINTAINING TRAFFIC**

THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON WERK ROAD AND WESTBOURNE DRIVE THROUGHOUT THE ENTIRETY OF THE PROJECT. IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF, THE CONTRACTOR AND TRAVELING PUBLIC. ANY VARIANCES FROM THE INTENT OF THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC WHILE PERFORMING ROADWAY WIDENING. THE WIDENING SECTION SHALL BE PROTECTED FROM THE TRAVELING PUBLIC BY THE USE OF DRUMS. ANY SIGNAGE, PAVEMENT MARKINGS AND SIGNALIZATION MUST PRESENT A CLEAR MESSAGE TO THE DRIVER. ANY CONFLICTING TRAFFIC CONTROL ITEMS MUST BE REMOVED OR MODIFIED.

A MINIMUM OF 1 LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR THE COMPLETED PAVEMENT.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN DRIVEWAY AND SIDE STREET TRAFFIC THROUGH THE AREAS UNDER CONSTRUCTION. THE CONTRACTOR WILL BE PERMITTED TO CLOSE PAVED AREAS TO TRAFFIC FOR A MINIMUM PERIOD OF TIME, CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR THE PROTECTION OF COMPLETED ASPHALT CONCRETE PAVEMENT. THIS MAY REQUIRE THE CONTRACTOR TO UNDERTAKE SUCH MEASURES SUCH AS PART-WIDTH CONSTRUCTION OR THE PLACEMENT OF TEMPORARY MATERIAL TO MAINTAIN DRIVE ACCESS.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**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.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

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.

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES. DURING SHORT PERIODS OF ONE-WAY TRAFFIC, FLAGGING IS PERMITTED.

**TRENCH FOR WIDENING**

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 6 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

**DRUM REQUIREMENTS**

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

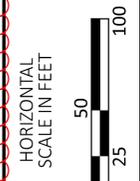
MOT notes updated and subsummary added

**MAINTENANCE OF TRAFFIC SUB-SUMMARY**

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION
614	21100	1.11	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT
614	22000	1.81	MILE	WORK ZONE EDGE LINE, CLASS I, 4", (WHITE)
614	23200	7672	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT
614	26200	593	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT
614	27020	1701	FT	WORK ZONE CROSSWALK LINE, CLASS I, 24"
614	30200	129	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT
614	32700	72	SF	WORK ZONE ISLAND MARKING, CLASS I

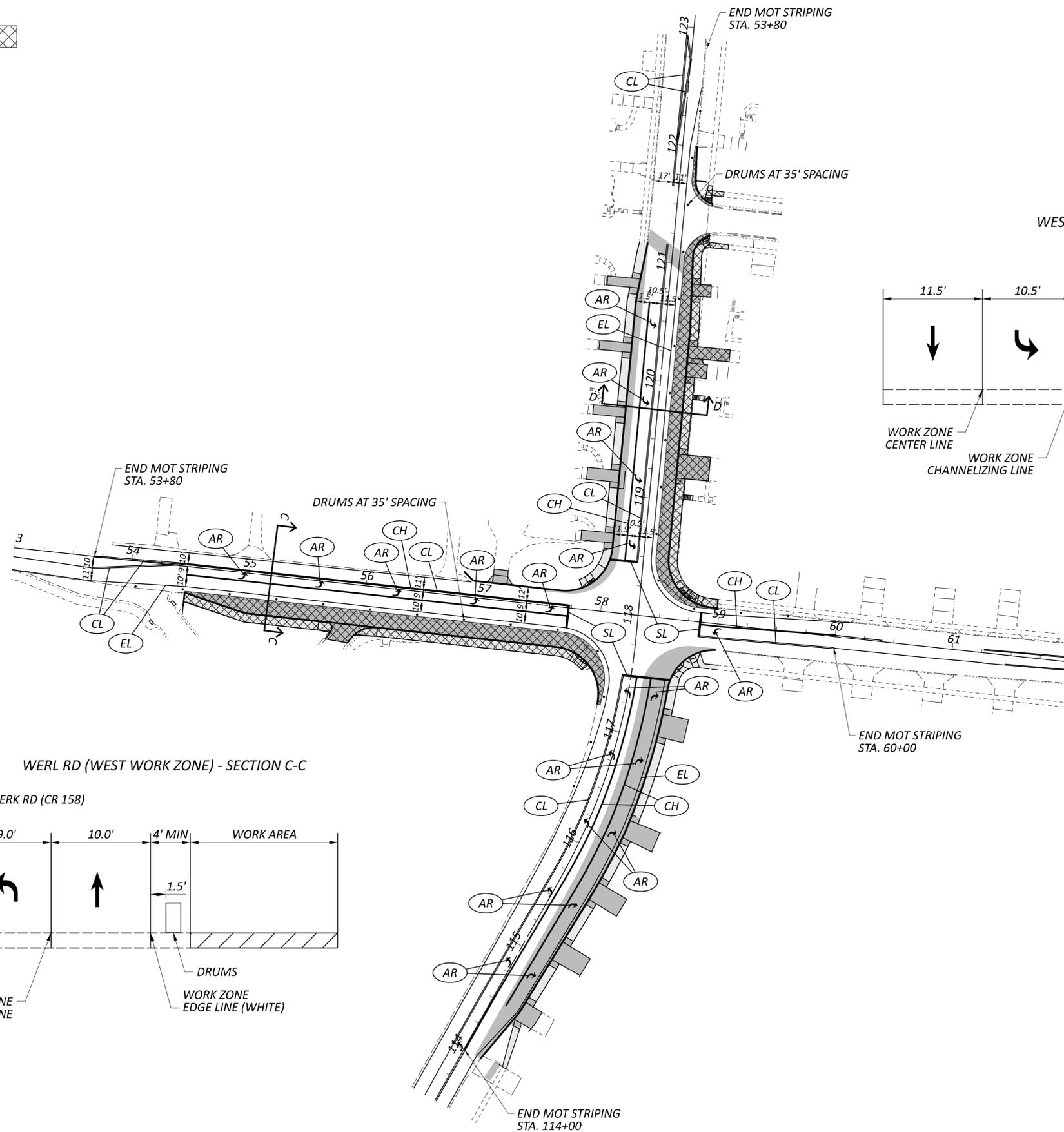


- LEGEND**
- WORK AREA 
  - DRUMS 
  - DIRECTION OF TRAVEL 
  - WORK ZONE CENTER LINE 
  - WORK ZONE EDGE LINE (WHITE) 
  - WORK ZONE CHANNELIZING LINE 
  - STOP LINE 
  - WORK ZONE ARROW 

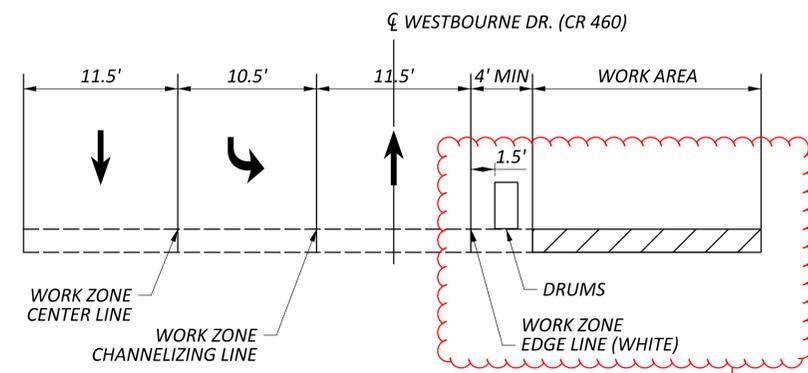


**MAINTENANCE OF TRAFFIC PLAN  
PHASE 2**

DESIGN AGENCY	
	
PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Parke Blvd. Mason, OH 45040	
DESIGNER	JMD
REVIEWER	KLL
PROJECT ID	02/26/26
	116548
SHEET	TOTAL
09b	92

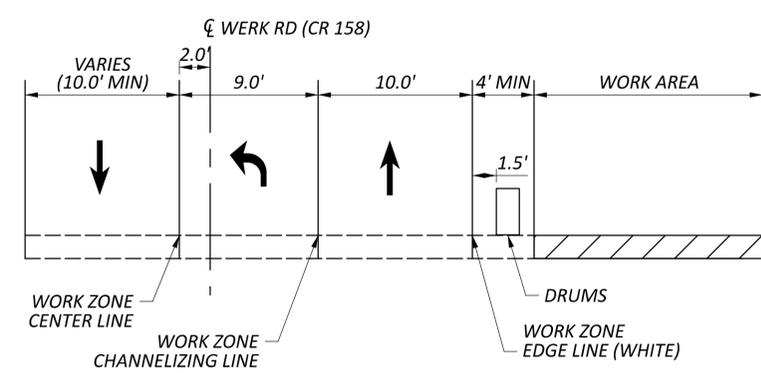


WESTBOURNE DR (NORTH WORK ZONE) - SECTION D-D



Drums specified

WERL RD (WEST WORK ZONE) - SECTION C-C



MOT plan detailed.



SHEET NUM.									PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
14	15	16	17	18	19	20	62	71	01/MPO/GRNT	02/NFP						
		4,640							4,640		254	01000	4,640	SY	PAVEMENT PLANING, ASPHALT CONCRETE (3" DEPTH)	
		312							312		301	56001	312	CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22	6
		212							212		304	20000	212	CY	AGGREGATE BASE	
		822							822		407	20000	822	GAL	NON-TRACKING TACK COAT	
		278							278		441	50200	278	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22	
		278							278		442	20050	278	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), PG70-22	
			684						684		452	11010	684	SY	7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
			38						38		452	12010	38	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
		1,612							1,612		609	26000	1,612	FT	CURB, TYPE 6	
															<b>WATER WORK</b>	
							5			5	503	21101	5	CY	UNCLASSIFIED EXCAVATION, AS PER PLAN, CINCINNATI SPEC 1119	62
							5			5	503	21101	5	CY	UNCLASSIFIED EXCAVATION, AS PER PLAN, CINCINNATI SPEC 1120	62
							21	10	11		511	71100	21	CY	CONCRETE, MISC.: CONCRETE, CINCINNATI SPEC 1110	62
							2,986	1,376	1,610		513	90000	2,986	LB	STRUCTURAL STEEL, MISC.: REINFORCING STEEL, CINCINNATI SPEC 509	62
							1		1		SPECIAL	53010700	1	MFBM	STRUCTURES, SHEETING AND BRACING ORDERED LEFT IN PLACE, CINCINNATI SPEC 637	62
							1		1		602	10000	1	CY	BRICK MASONRY, CINCINNATI SPEC 602	62
							2		2		638	98000	2	EACH	WATER WORK, MISC.: ADJUST EXISTING VALVE CHAMBER TO GRADE, CINCINNATI SPEC 604	62
							14		13	1	638	98000	14	EACH	WATER WORK, MISC.: FURNISHING AND INSTALLING CURB AND ROADWAY BOX (RENEW), CINCINNATI SPEC 1131	62
							2		2		638	98000	2	EACH	WATER WORK, MISC.: FURNISHING AND INSTALLING FIRE HYDRANT EXTENSION, 6" LONG, CINCINNATI SPEC 1115	62
							1		1		638	98000	1	EACH	WATER WORK, MISC.: FURNISHING AND INSTALLING FIRE HYDRANT EXTENSION, 12" LONG, CINCINNATI SPEC 1115	62
							1		1		638	98000	1	EACH	WATER WORK, MISC.: FURNISHING AND INSTALLING FIRE HYDRANT EXTENSION, 18" LONG, CINCINNATI SPEC 1115	62
							9		5	4	638	98000	9	EACH	WATER WORK, MISC.: FURNISHING AND INSTALLING VALVE BOX COMPLETE, CINCINNATI SPEC 1116	62
							7		5	2	638	98000	7	EACH	WATER WORK, MISC.: FURNISHING AND INSTALLING VALVE BOX WITH 1" AIR RELEASE COMPLETE, CINCINNATI SPEC 1116	62
							3		2	1	638	98000	3	EACH	WATER WORK, MISC.: HAULING AND INSTALLING FIRE HYDRANT, CINCINNATI SPEC 1112	62
							4		2	2	638	98000	4	EACH	WATER WORK, MISC.: REMOVING EXISTING MANHOLE CURB AND COVER, CINCINNATI SPEC 1122	62
							3		2	1	638	98000	3	EACH	WATER WORK, MISC.: REMOVING EXISTING VALVE BOX, CINCINNATI SPEC 1122	62
							2		2		638	98000	2	EACH	WATER WORK, MISC.: REMOVING FIRE HYDRANT, CINCINNATI SPEC 1114	62
							25		25		638	98600	25	FT	WATER WORK, MISC.: CHANGING 8" AND UNDER PIPE SEWER, CINCINNATI SPEC 1123	62
							25		25		638	98600	25	FT	WATER WORK, MISC.: CHANGING 10" THRU 24" PIPE SEWER, CINCINNATI SPEC 1123	62
							138		98	40	638	98600	138	FT	WATER WORK, MISC.: FURNISHING AND INSTALLING 1" COPPER SERVICE PIPE W/ AQUA SHIELD, CINCINNATI SPEC 1126	62
							256		256		638	98600	256	FT	WATER WORK, MISC.: FURNISHING AND INSTALLING ¾" COPPER SERVICE PIPE W/ AQUA SHIELD, CINCINNATI SPEC 1126	62
							65		47	18	638	98600	65	FT	WATER WORK, MISC.: FURNISHING AND LAYING 6" DUCTILE IRON PIPE AND FITTINGS, CINCINNATI SPEC 1101	62
							1,279		677	602	638	98600	1,279	FT	WATER WORK, MISC.: FURNISHING AND LAYING 8" DUCTILE IRON PIPE AND FITTINGS, CINCINNATI SPEC 1101	62
															<b>TRAFFIC CONTROL</b>	
				123					123		621	00100	123	EACH	RPM	
						116			116		630	03100	116	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
								12	12		630	79200	12	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM	
								107	149		630	80100	149	SF	SIGN, FLAT SHEET	
								3	3		630	84900	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
								3	3		630	86002	3	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
						0.37			0.37		644	00100	0.37	MILE	EDGE LINE, 4"	
						0.21			0.21		644	00300	0.21	MILE	CENTER LINE	
						1,724			1,724		644	00400	1,724	FT	CHANNELIZING LINE, 8"	
						60	86		146		644	00500	146	FT	STOP LINE	
						554			554		644	00620	554	FT	CROSSWALK LINE, 12"	
						103			103		644	00700	103	FT	TRANSVERSE/DIAGONAL LINE (WHITE)	
						22			22		644	00700	22	FT	TRANSVERSE/DIAGONAL LINE (YELLOW)	
								24	24		644	00900	24	SF	ISLAND MARKING	
						11	20		31		644	01300	31	EACH	LANE ARROW	

Non-tracking tack coat items combined

Quantity Updated

GCWW Items added

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
**AJH**

REVIEWER  
KLL 02/26/26

PROJECT ID  
116548

SHEET TOTAL  
11 92

PLAN PREPARED BY:  
TEL Engineering, Inc.  
7288 Central Parke Blvd.  
Mason, OH 45040

SHEET NUM.													PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
6	7	8	13	14	15	16	17	18	19	20	62	71	01/MPO/GRNT	02/NFP							
															<b>TRAFFIC SIGNALS</b>						
												36	36			625	25410	36	FT	CONDUIT, 2", 725.052	
												75	75			625	25606	75	FT	CONDUIT, 4", 725.052	
												339	339			625	25908	339	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"	
												92	92			625	29000	92	FT	TRENCH	
												5	5			625	30706	5	EACH	PULL BOX, 725.08, 24"	
												9	9			625	32000	9	EACH	GROUND ROD	
												5	5			632	05007	5	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	69
												7	7			632	05087	7	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	69
												8	8			632	20731	8	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	69
												12	12			632	25000	12	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
												8	8			632	25010	8	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
												8	8			632	26000	8	EACH	PEDESTRIAN PUSHBUTTON	
												1,146	1,146			632	40500	1,146	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
												2,245	2,245			632	40700	2,245	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
												4	4			632	64011	4	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	69
												4	4			632	64021	4	EACH	PEDESTAL FOUNDATION, AS PER PLAN	69
												1,123	1,123			632	65300	1,123	FT	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	
												100	100			632	66104	100	FT	POWER CABLE, 3 CONDUCTOR, NO. 10 AWG	
												1	1			632	70000	1	EACH	POWER SERVICE	
												1	1			632	72111	1	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PLAN	69
												2	2			632	72131	2	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN	69
												1	1			632	72151	1	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN	69
												1	1			632	89803	1	EACH	PEDESTAL, 5', TRANSFORMER BASE, AS PER PLAN	69
												3	3			632	89901	3	EACH	PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN	69
												1	1			632	90101	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	68
												1	1			633	65521	1	EACH	CABINET, TYPE 332, AS PER PLAN	69
												1	1			633	67100	1	EACH	CABINET FOUNDATION	
												1	1			633	67200	1	EACH	CONTROLLER WORK PAD	
												1	1			633	75001	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	69
												<b>TRAFFIC SIGNALS ALTERNATES</b>									
												4	4			809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN, (ALTERNATE 1)	69
												4	4			809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN, (ALTERNATE 2)	69
												1	1			809	69123	1	EACH	ATC CONTROLLER, AS PER PLAN, (ALTERNATE 1)	69
												1	1			809	69123	1	EACH	ATC CONTROLLER, AS PER PLAN, (ALTERNATE 2)	69
												<b>MAINTENANCE OF TRAFFIC</b>									
		1.11										1.11				614	21100	1.11	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
		1.81										1.81				614	22000	1.81	MILE	WORK ZONE EDGE LINE, CLASS I, 4"	
		7,672										7,672				614	23200	7,672	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
		593										593				614	26200	593	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
		1,701										1,701				614	27020	1,701	FT	WORK ZONE CROSSWALK LINE, CLASS I, 24"	
		130										130				614	30200	130	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	
		72										72				614	32700	72	SF	WORK ZONE ISLAND MARKING, CLASS I	
												<b>INCIDENTALS</b>									
												LS				614	11000	LS		MAINTAINING TRAFFIC	8
												5	5			614	11110	5	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	68
												LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS				624	10000	LS		MOBILIZATION	

Items added

Field Office Removed

GENERAL SUMMARY

DESIGN AGENCY  
  
 PLAN PREPARED BY:  
 TEL Engineering, Inc.  
 7288 Central Parke Blvd.  
 Mason, OH 45040

DESIGNER  
 AJH

REVIEWER  
 KLL 02/26/26

PROJECT ID  
 116548

SHEET TOTAL  
 12 92

REF NO.	SHEET NO.	STATION TO STATION	202	202	202	202				607	608	608	608	611	SPECIAL		202	202				661	662
			PAVEMENT REMOVED	WALK REMOVED	STEPS REMOVED	CURB REMOVED					FENCE REMOVED AND REBUILT	5" CONCRETE WALK	CONCRETE STEPS, TYPE A	CURB RAMP	MANHOLE ADJUSTED TO GRADE	GAS VALVE BOX ADJUSTED TO GRADE		VALVE BOX REMOVED	MANHOLE REMOVED				PLANTING, MISC.: REPLACE DISTURBED LANDSCAPING
			SY	SF	FT	FT				FT	SF	FT	SF	EACH	EACH		EACH	EACH				LS	EACH
		118+19 TO 118+38											174										
		118+12 TO 118+29											198										
		121+15 TO 121+26											66										
		121+53 TO 121+60											76										
		114+30													1								
		114+31													1								
		115+48													1								
		116+03													1								
		116+53													1								
		116+59																					
		118+56															1						
		118+79															1						
		118+82													1								
		118+84													1								
		119+30																					
		119+34													2								
		119+95													1								
		119+96													2								
		119+97																					
		120+39													1								
		120+54													1								
		120+69																					
		120+95															1						
		121+02													2								
		116+85												1									
		118+34												1									
		119+50												1									
		118+54													1								
		121+09																				1	
TOTALS CARRIED TO GENERAL SUMMARY													514	3	17		6	1					

Formula fixed

ROADWAY SUB-SUMMARY

DESIGN AGENCY  
  
 PLAN PREPARED BY:  
 TEL Engineering, Inc.  
 7288 Central Parke Blvd.  
 Mason, OH 45040  
 DESIGNER  
 AJH  
 REVIEWER  
 KLL 02/26/26  
 PROJECT ID  
 116548  
 SHEET TOTAL  
 14 92

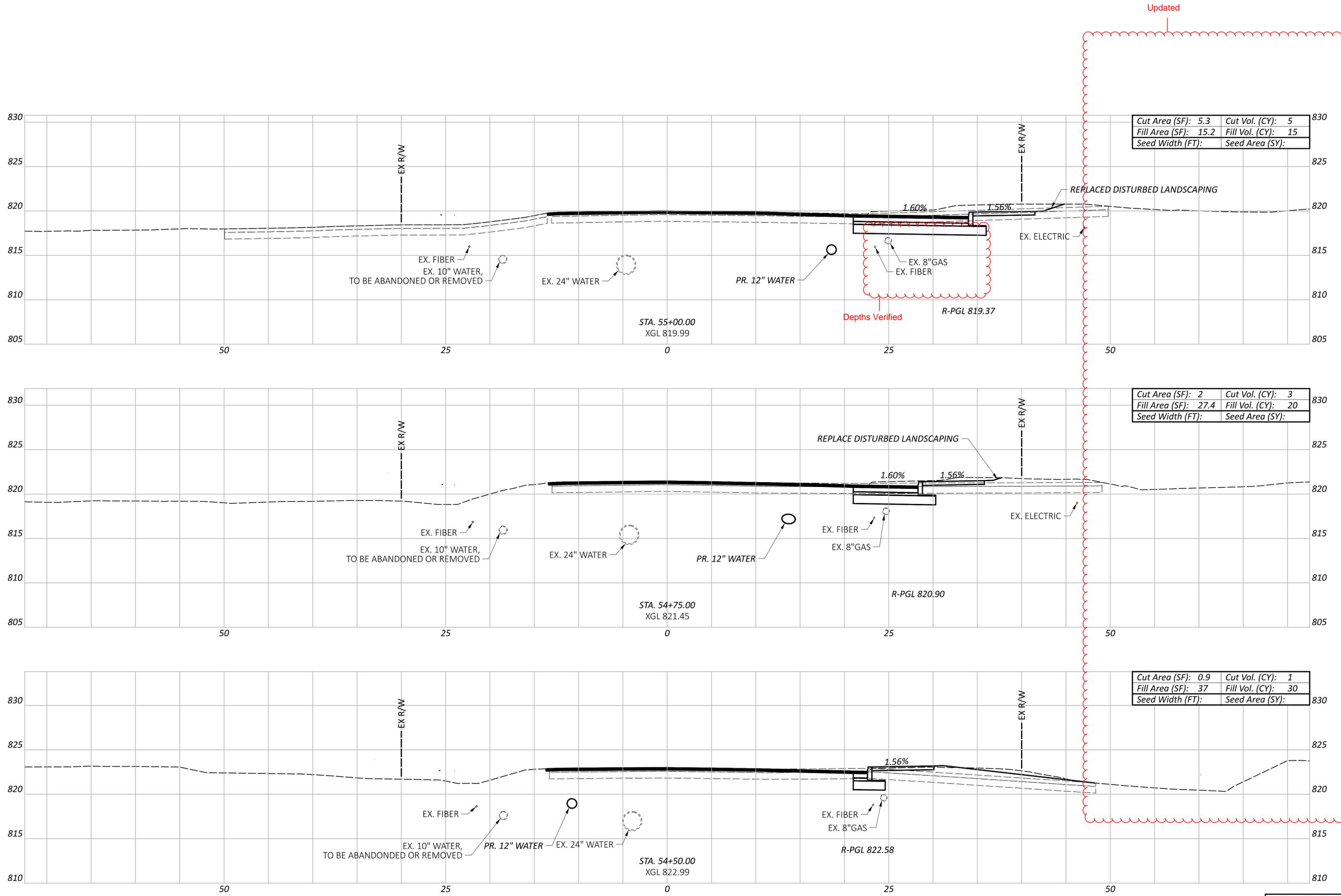
STATION RANGE	MATERIAL	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	SUBGRADE AREA WITH 1' STEP	204	204	204	204	254	301	304	407	407	441	442	609	
							SUBGRADE COMPACTION	EXCAVATION OF SUBGRADE	GRANULAR MATERIAL, TYPE B	GEOTEXTILE FABRIC	PAVEMENT PLANING, ASPHALT CONCRETE (3" DEPTH)	ASPHALT CONCRETE BASE, PG64+22, AS PER PLAN	AGGREGATE BASE	NON-TRACKING TACK COAT (@0.05 GAL/SY)	NON-TRACKING TACK COAT (@0.075 GAL/SY)	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), PG70-22	CURB, TYPE 6	
		FT	FT	SQ YD	SQ YD	SQ YD	SY	CY	CY	SY	CY	CY	GAL	GAL	CY	CY	FT		
WERK RD																			
54+47.38	TO	59+00.00	FULL DEPTH WIDENING	452.62	13.00	653.78	506	532											
54+47.38	TO	59+00.00	PLANING	452.62	35.00	1760.19	1686												
WESTBOURNE DR																			
114+00.00	TO	122+00.00	PLANING	800.00	33.00	2933.33	2954												
114+00.00	TO	117+80.00	FULL DEPTH WIDENING	380.00	20.00	844.44	811	834	834	278	278	834							
118+11.00	TO	121+27.00	FULL DEPTH WIDENING	316.00	10.50	368.67	404	424	424	142	142	424							
121+51.00	TO	122+00.00	FULL DEPTH WIDENING	49.00	2.50	13.61	16	20	20	7	7	20							
118+12.00	TO	121+15.00	FULL DEPTH WIDENING	303.00	6.00	202.00	199	218	218	73	73	218							
<b>SUBTOTALS</b>																			
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>																			
							2028	678	678	2028	4640	312	212	329	493	278	278	1612	
							2028	678	678	2028	4640	312	212	329	493	278	278	1612	

Quantity updated

**PAVEMENT SUB-SUMMARY**

DESIGN AGENCY	
	
PLAN PREPARED BY: TEL Engineering, Inc. 7288 Central Parke Blvd. Mason, OH 45040	
DESIGNER	AJH
REVIEWER	KLL
PROJECT ID	02/26/26
SHEET	116548
TOTAL	16
	92





Cut Area (SF):	5.3	Cut Vol. (CY):	5
Fill Area (SF):	15.2	Fill Vol. (CY):	15
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	2	Cut Vol. (CY):	3
Fill Area (SF):	27.4	Fill Vol. (CY):	20
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	0.9	Cut Vol. (CY):	1
Fill Area (SF):	37	Fill Vol. (CY):	30
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - WERK RD  
 STA. 54+50 TO STA. 55+00

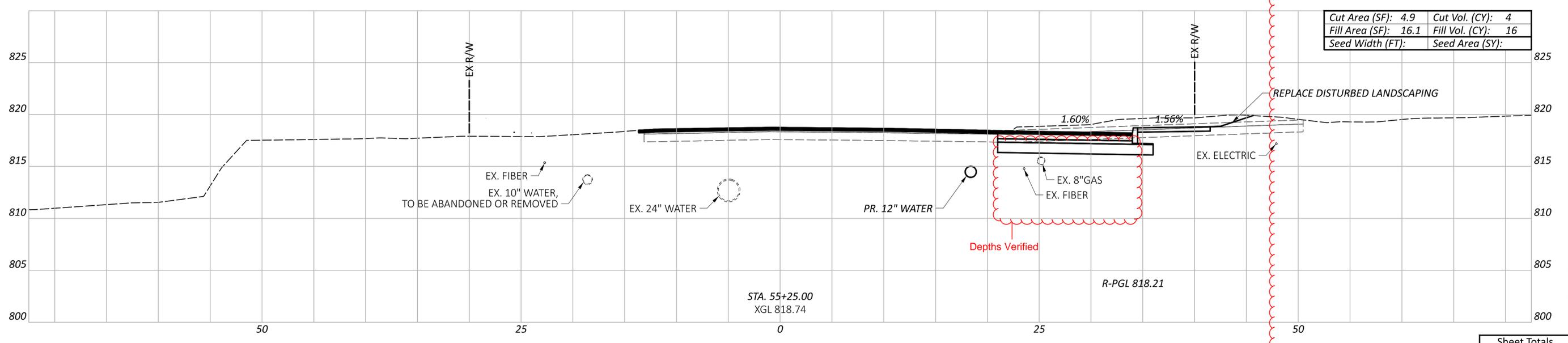
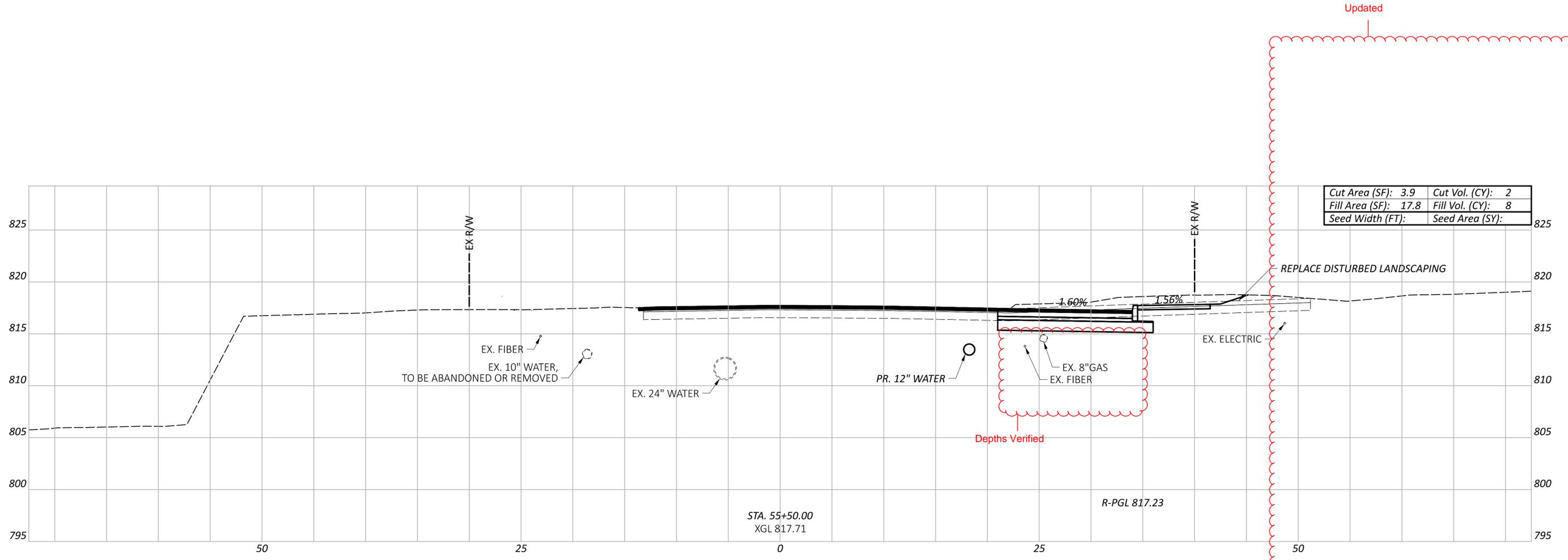
DESIGN AGENCY  
  
 PLAN PREPARED BY:  
 TEC Engineering, Inc.  
 7288 Central Park Blvd.  
 Mason, OH 45040

DESIGNER  
 AJH

REVIEWER  
 KLL 02/26/26

PROJECT ID  
 116548

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	25	92
9	65			



CROSS SECTIONS - WERK RD  
 STA. 55+25 TO STA. 55+50

DESIGN AGENCY  
  
 PLAN PREPARED BY:  
 TEC Engineering, Inc.  
 7288 Central Park Blvd.  
 Mason, OH 45040

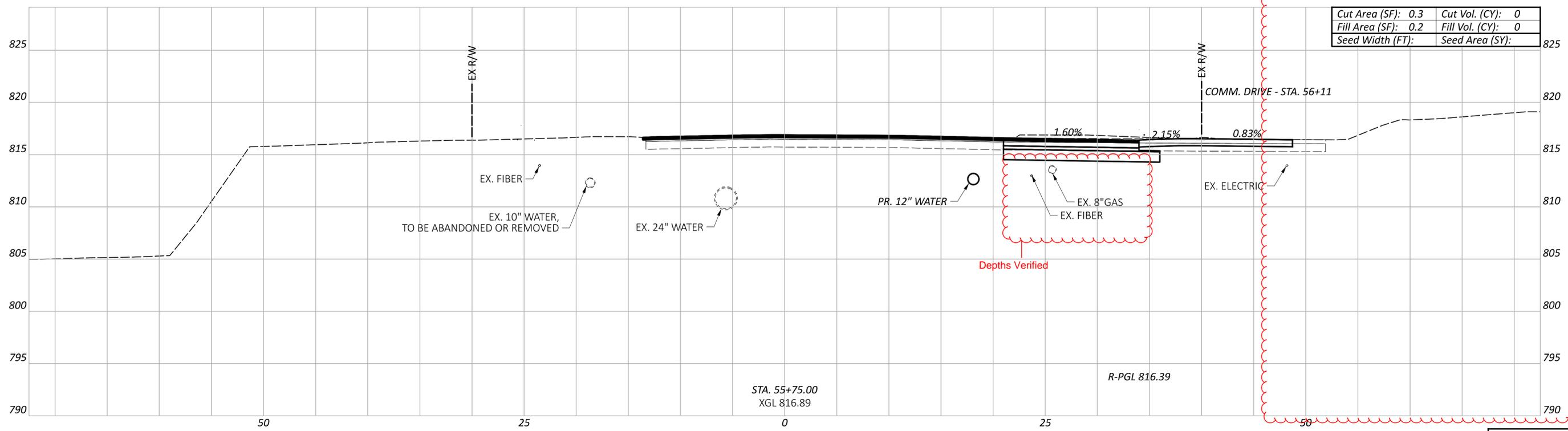
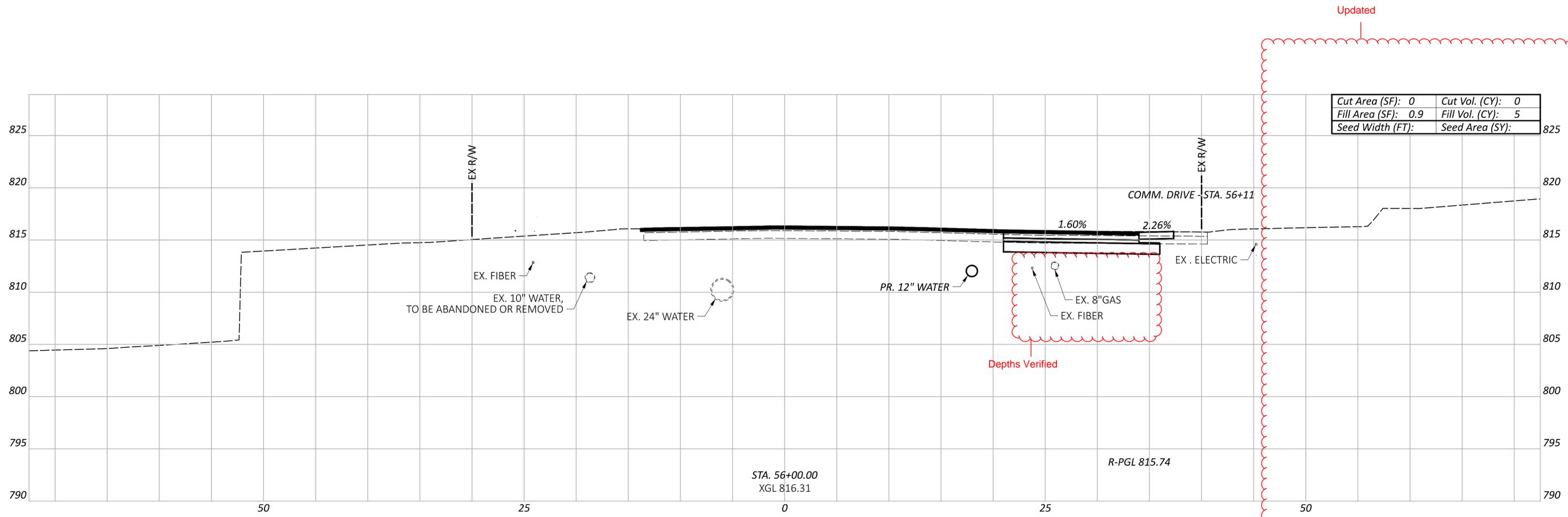
DESIGNER  
 AJH

REVIEWER  
 KLL 02/26/26

PROJECT ID  
 116548

Sheet Totals		
Seeding	Cut	Fill
6	24	26

SHEET	TOTAL
26	92



CROSS SECTIONS - WERK RD  
STA. 55+75 TO STA. 56+00

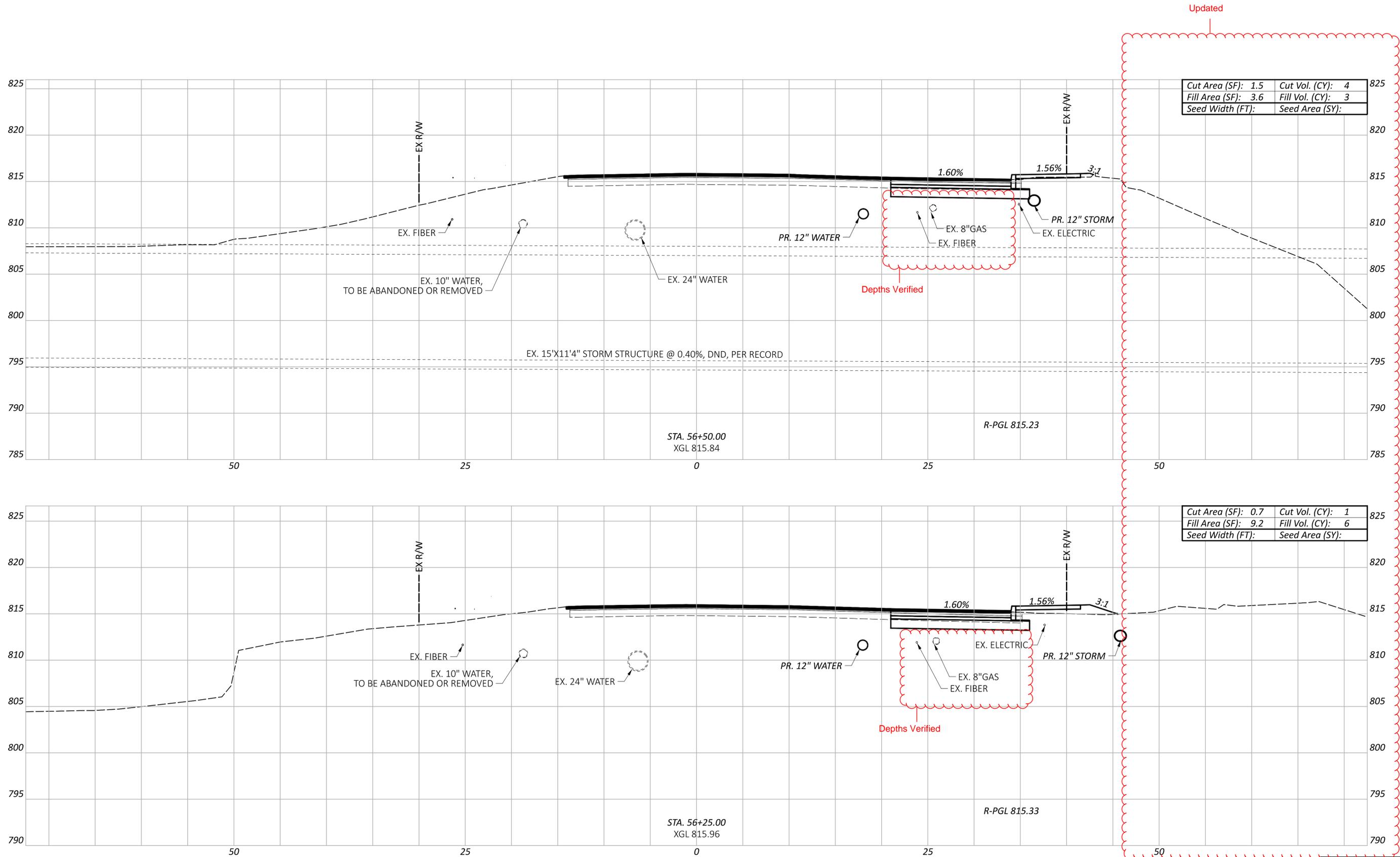
DESIGN AGENCY  
  
 PLAN PREPARED BY:  
 TEC Engineering, Inc.  
 7288 Central Parke Blvd.  
 Mason, OH 45040

DESIGNER  
 AJH

REVIEWER  
 KLL 02/26/26

PROJECT ID  
 116548

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	27	92
0	5			



CROSS SECTIONS - WERK RD  
 STA. 56+25 TO STA. 56+50

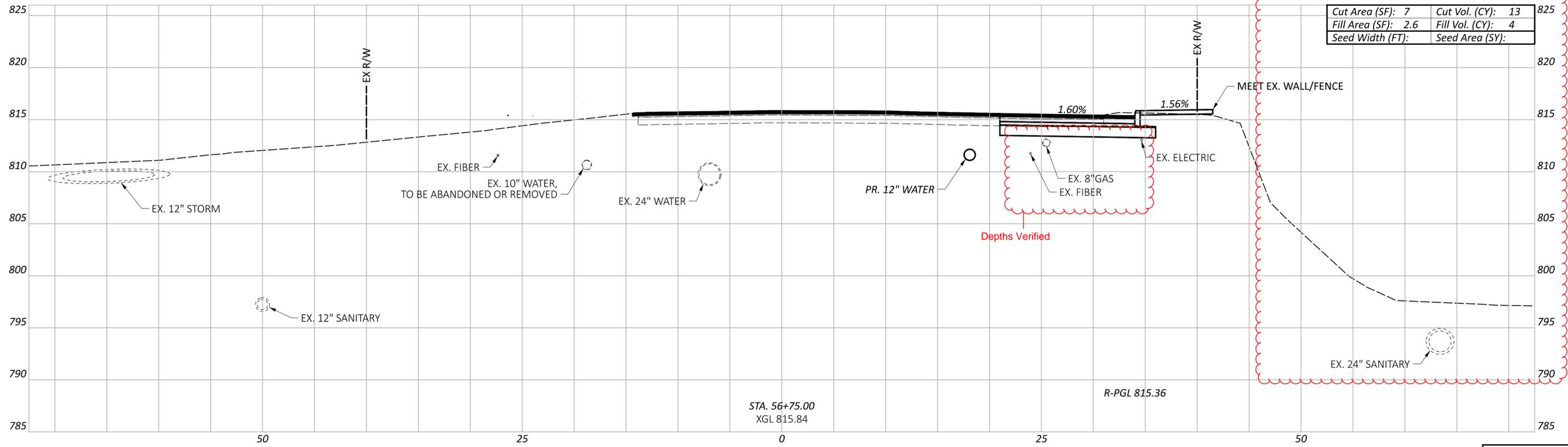
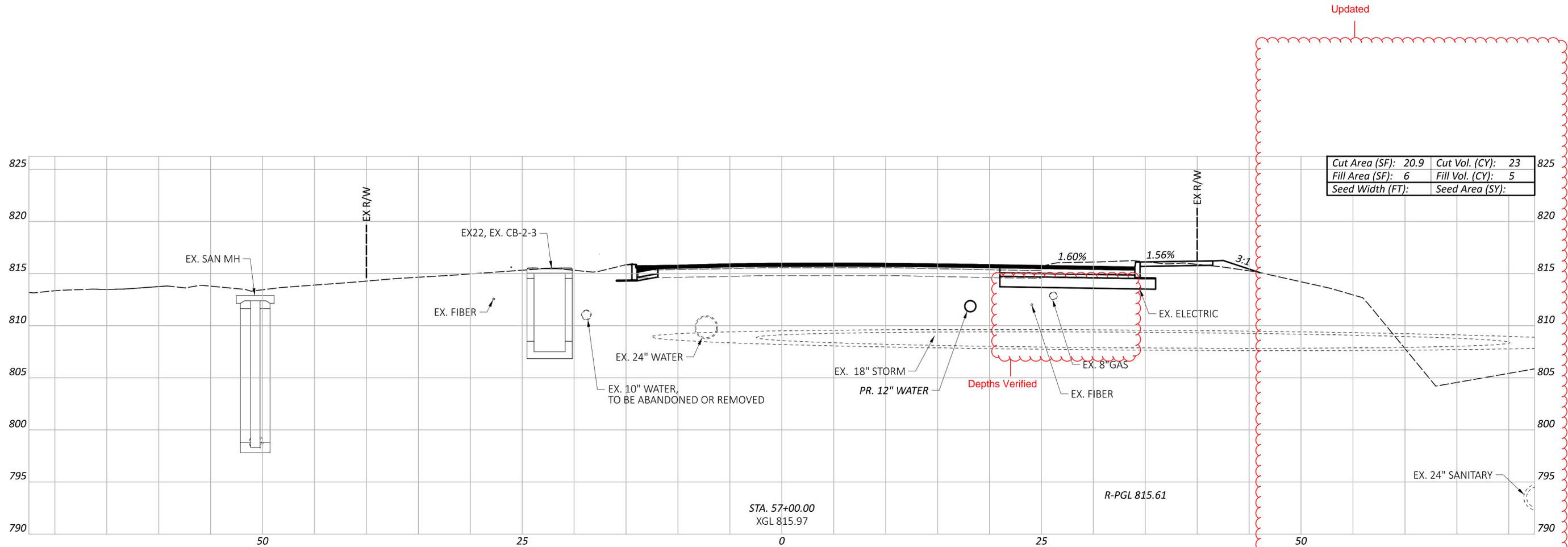
DESIGN AGENCY  
  
 PLAN PREPARED BY:  
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 116548

Sheet Totals	116548	
Seeding	5	9
SHEET	28	TOTAL 92



CROSS SECTIONS - WERK RD  
 STA. 56+75 TO STA. 57+00

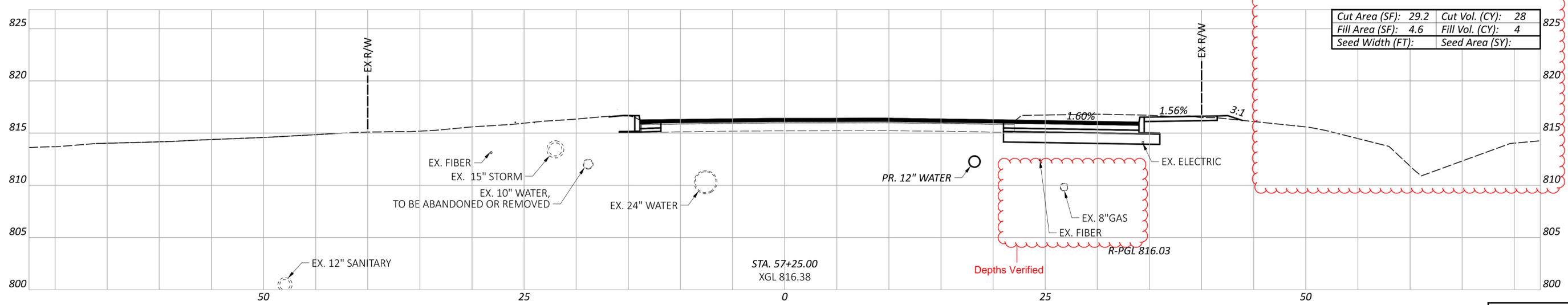
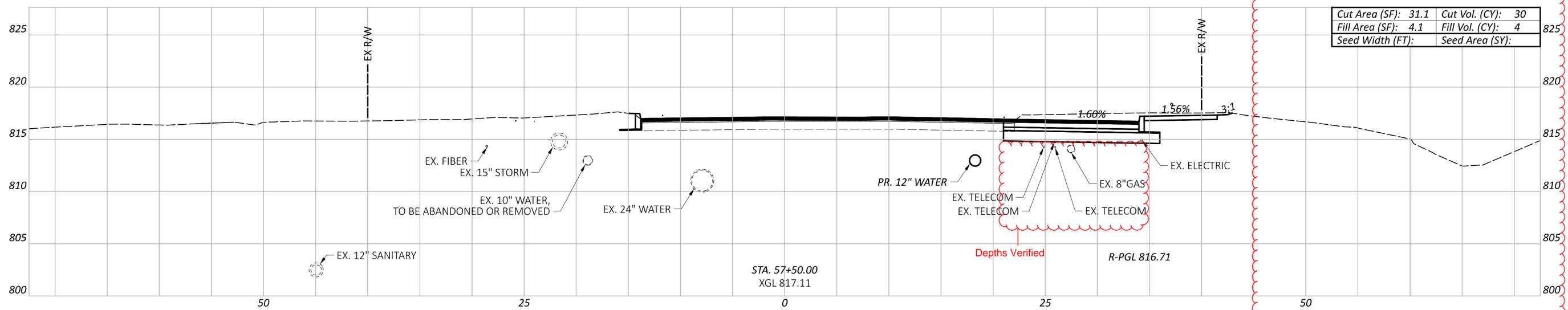
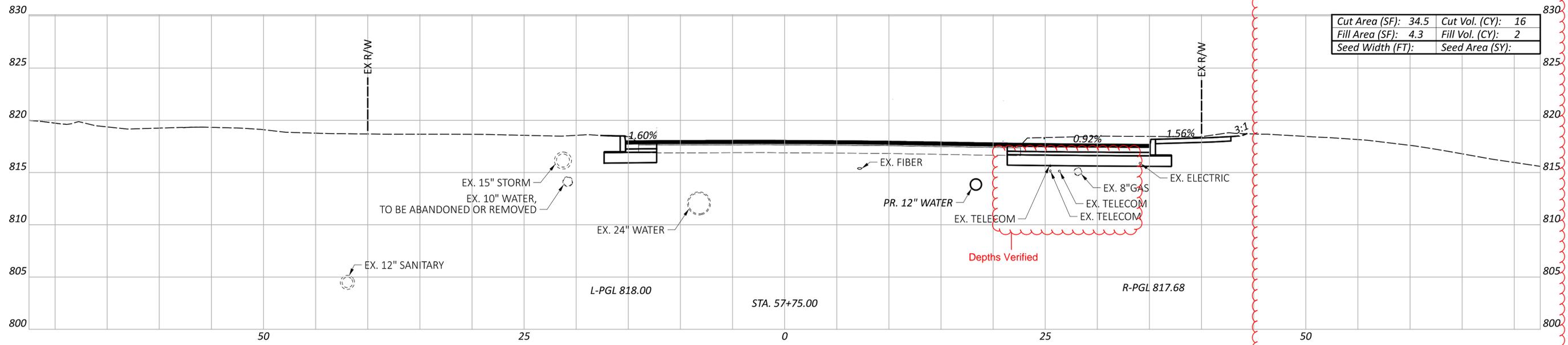
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Sheet Totals			116548	
Seeding	Cut	Fill	SHEET	TOTAL
36	9	29	92	



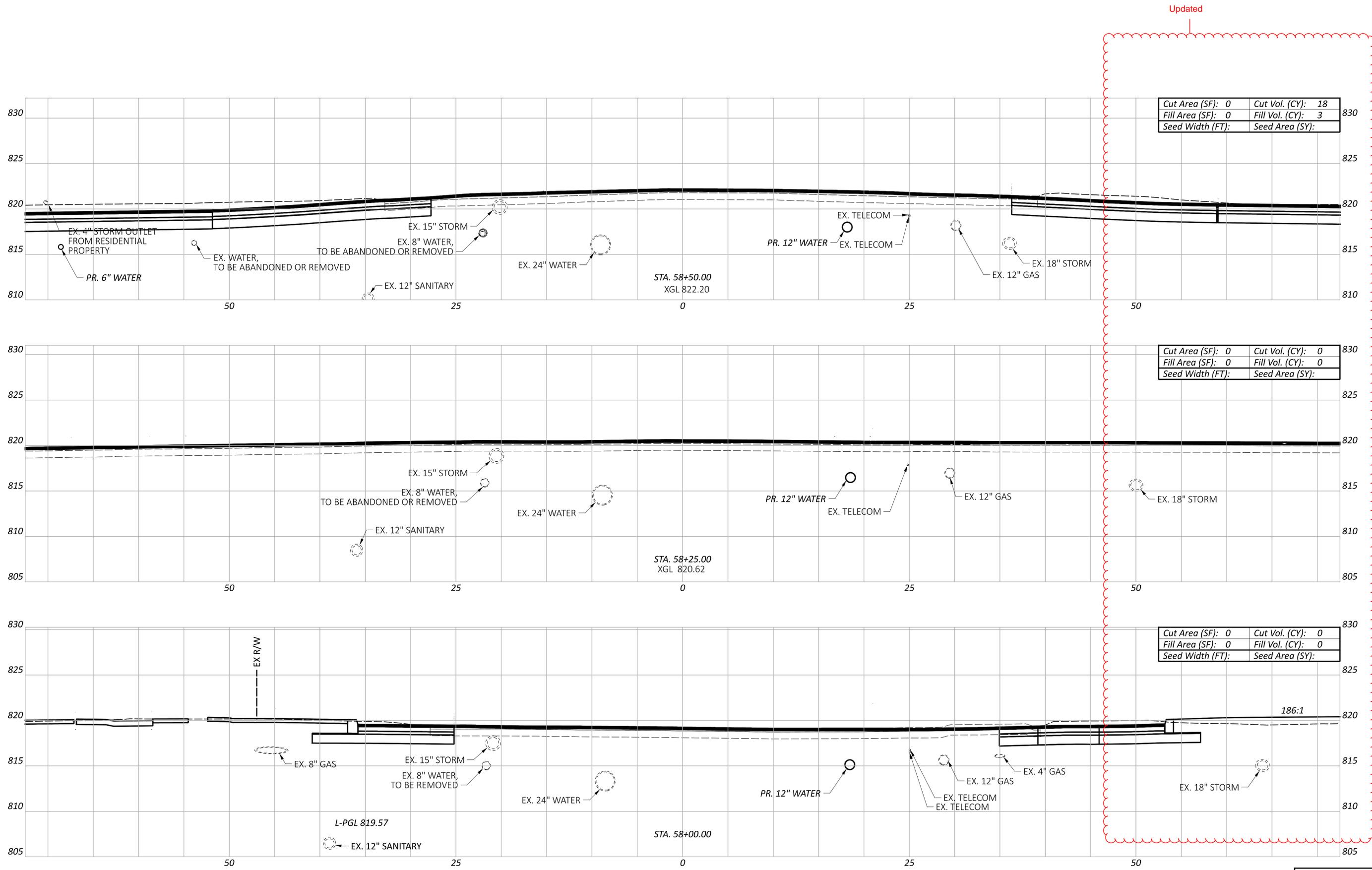
CROSS SECTIONS - WERK RD  
 STA. 57+25 TO STA. 57+75



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PROJECT ID: 116548

Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	30	92
74	10			



Cut Area (SF):	0	Cut Vol. (CY):	18
Fill Area (SF):	0	Fill Vol. (CY):	3
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):		Seed Area (SY):	

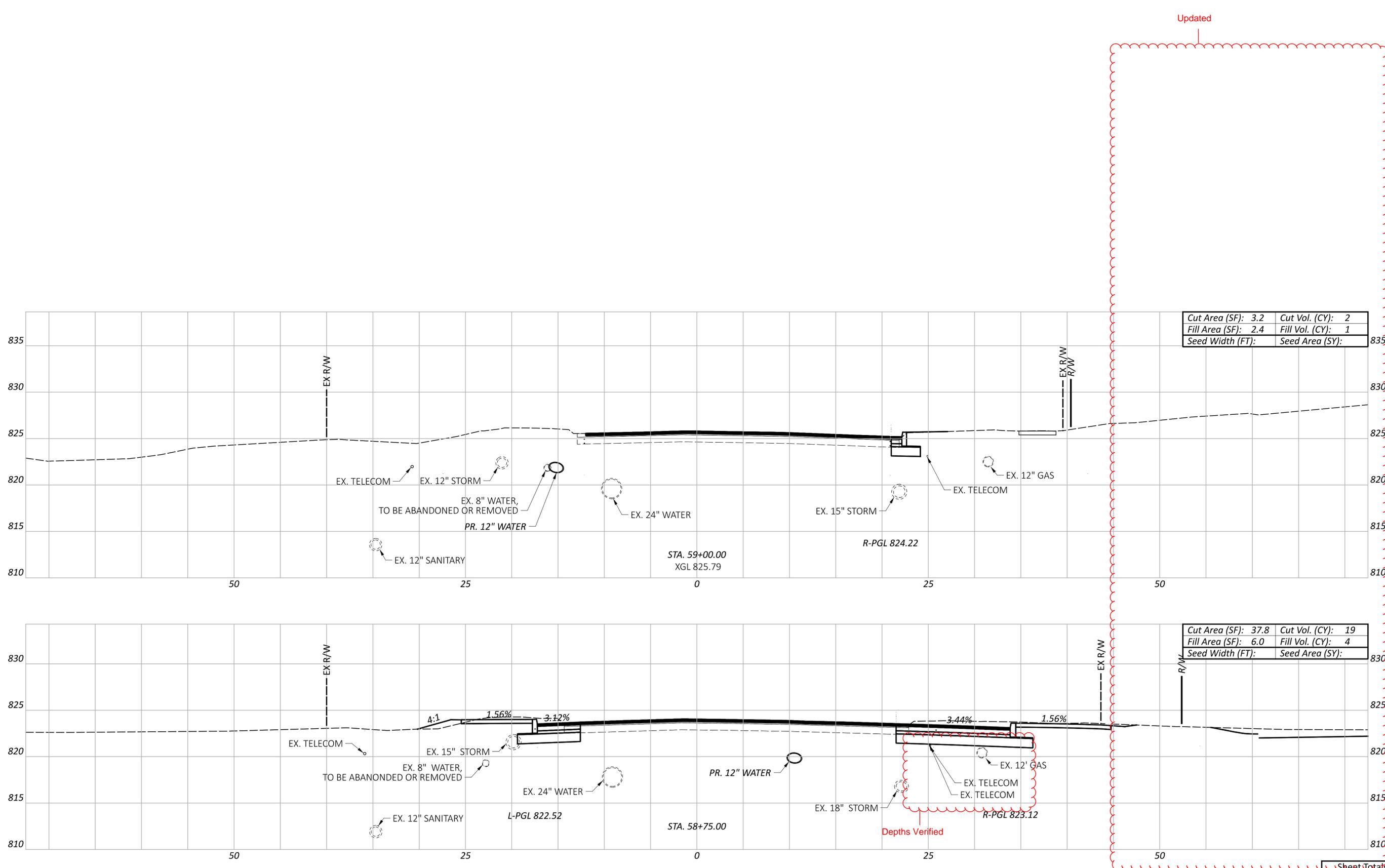
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - WERK RD  
 STA. 58+00 TO STA. 58+50



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Sheet Totals			116548	
Seeding	Cut	Fill	SHEET	TOTAL
	18	3	31	92



Cut Area (SF): 3.2	Cut Vol. (CY): 2
Fill Area (SF): 2.4	Fill Vol. (CY): 1
Seed Width (FT):	Seed Area (SY):

Cut Area (SF): 37.8	Cut Vol. (CY): 19
Fill Area (SF): 6.0	Fill Vol. (CY): 4
Seed Width (FT):	Seed Area (SY):

Sheet Totals		
Seeding	Cut	Fill
	21	5

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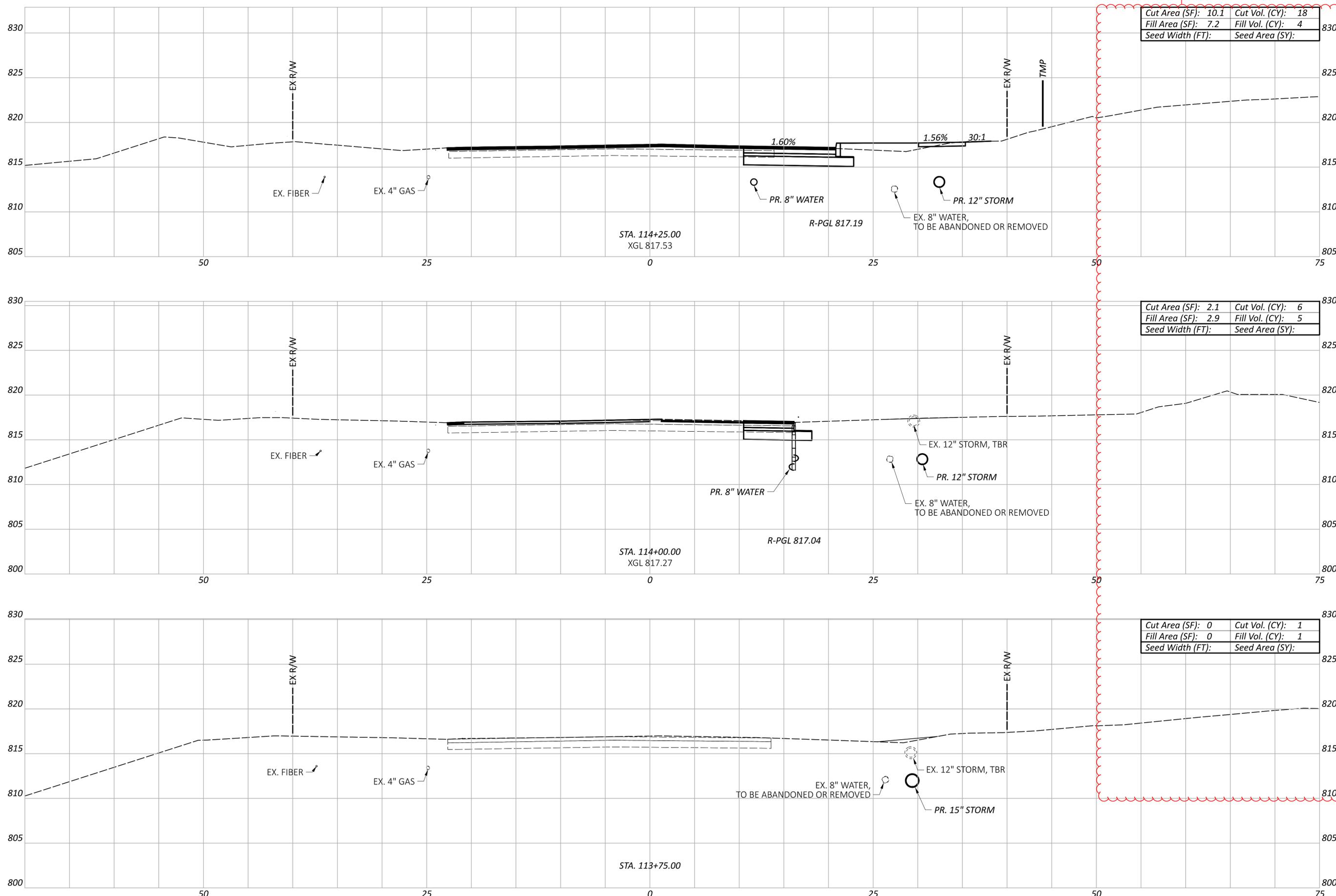
PROJECT ID  
 116548

SHEET	TOTAL
32	92

CROSS SECTIONS - WERK RD  
 STA. 58+75 TO STA. 59+00

Updated

Depths Verified



Updated

Cut Area (SF):	10.1	Cut Vol. (CY):	18
Fill Area (SF):	7.2	Fill Vol. (CY):	4
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	2.1	Cut Vol. (CY):	6
Fill Area (SF):	2.9	Fill Vol. (CY):	5
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	0	Cut Vol. (CY):	1
Fill Area (SF):	0	Fill Vol. (CY):	1
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - WESTBOURNE DR  
STA. 113+75 TO STA. 114+25

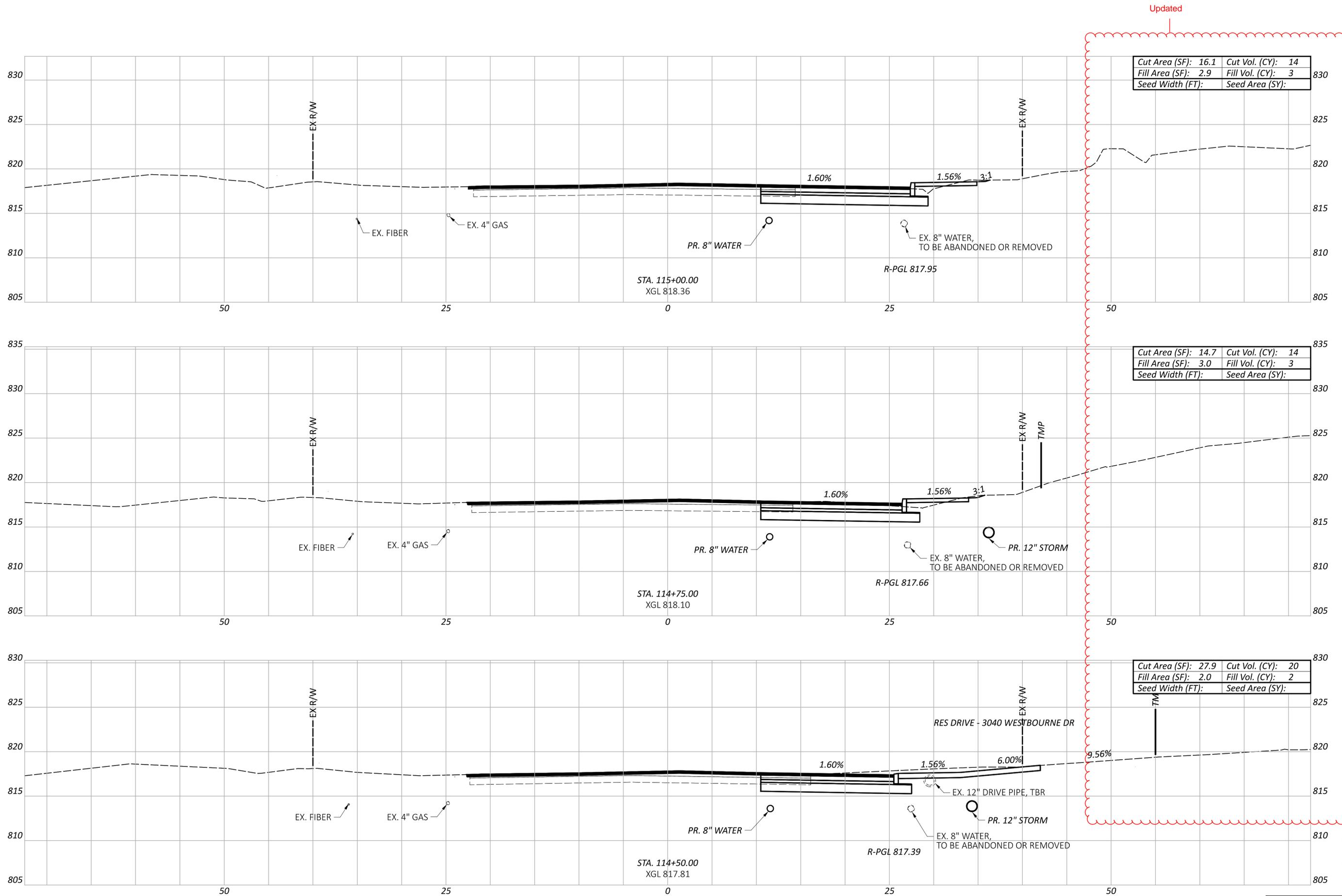
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116548

Sheet Totals			116548	
Seeding	Cut	Fill	SHEET	TOTAL
	25	10	33	92



Updated

Cut Area (SF): 16.1	Cut Vol. (CY): 14
Fill Area (SF): 2.9	Fill Vol. (CY): 3
Seed Width (FT):	Seed Area (SY):

Cut Area (SF): 14.7	Cut Vol. (CY): 14
Fill Area (SF): 3.0	Fill Vol. (CY): 3
Seed Width (FT):	Seed Area (SY):

Cut Area (SF): 27.9	Cut Vol. (CY): 20
Fill Area (SF): 2.0	Fill Vol. (CY): 2
Seed Width (FT):	Seed Area (SY):

CROSS SECTIONS - WESTBOURNE DR  
STA. 114+50 TO STA. 115+00

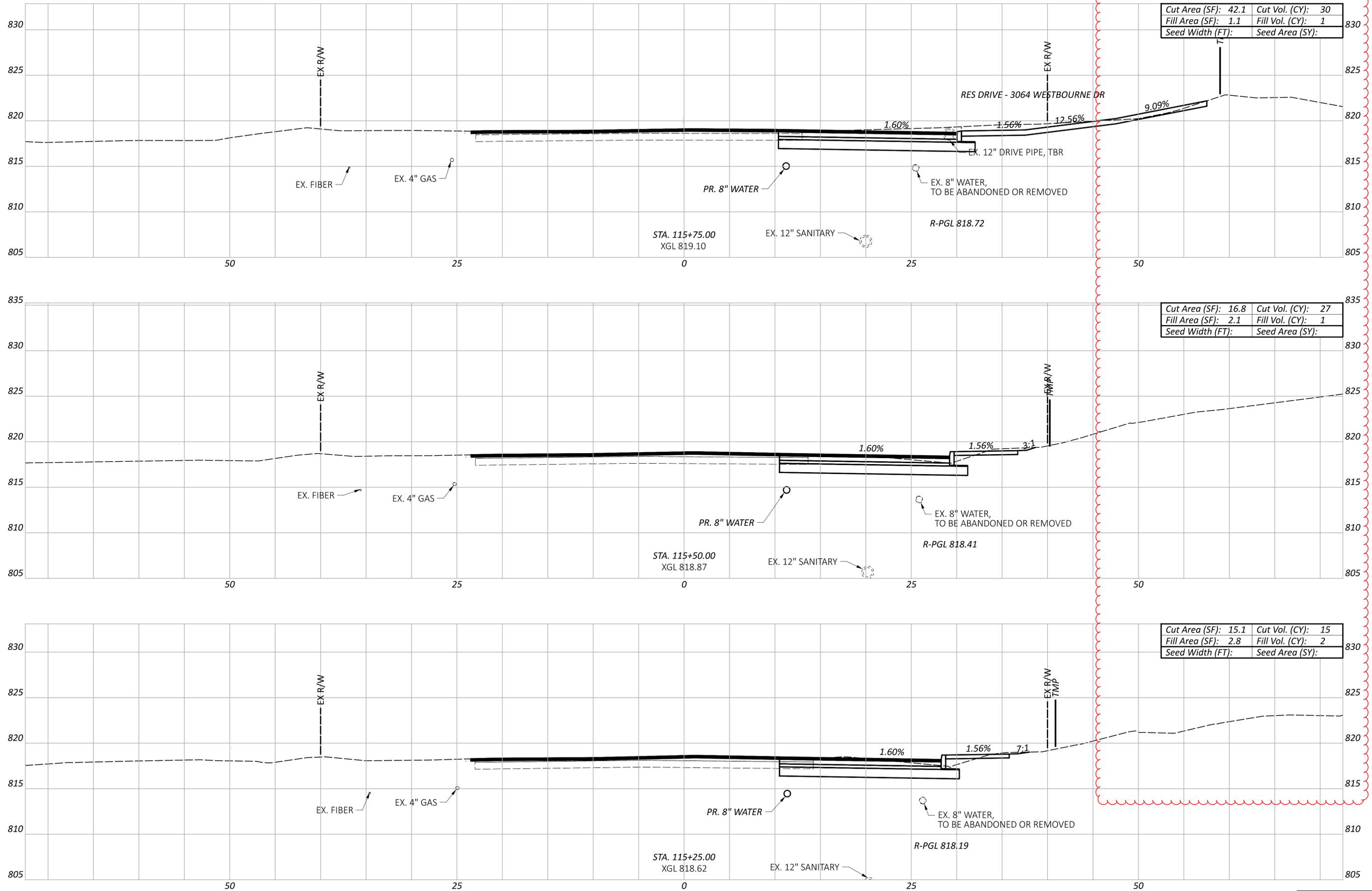
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Sheet Totals			SHEET TOTAL	
Seeding	Cut	Fill	34	92
48	8			



Updated

Cut Area (SF):	42.1	Cut Vol. (CY):	30
Fill Area (SF):	1.1	Fill Vol. (CY):	1
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	16.8	Cut Vol. (CY):	27
Fill Area (SF):	2.1	Fill Vol. (CY):	1
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	15.1	Cut Vol. (CY):	15
Fill Area (SF):	2.8	Fill Vol. (CY):	2
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - WESTBOURNE DR  
 STA. 115+25 TO STA. 115+75

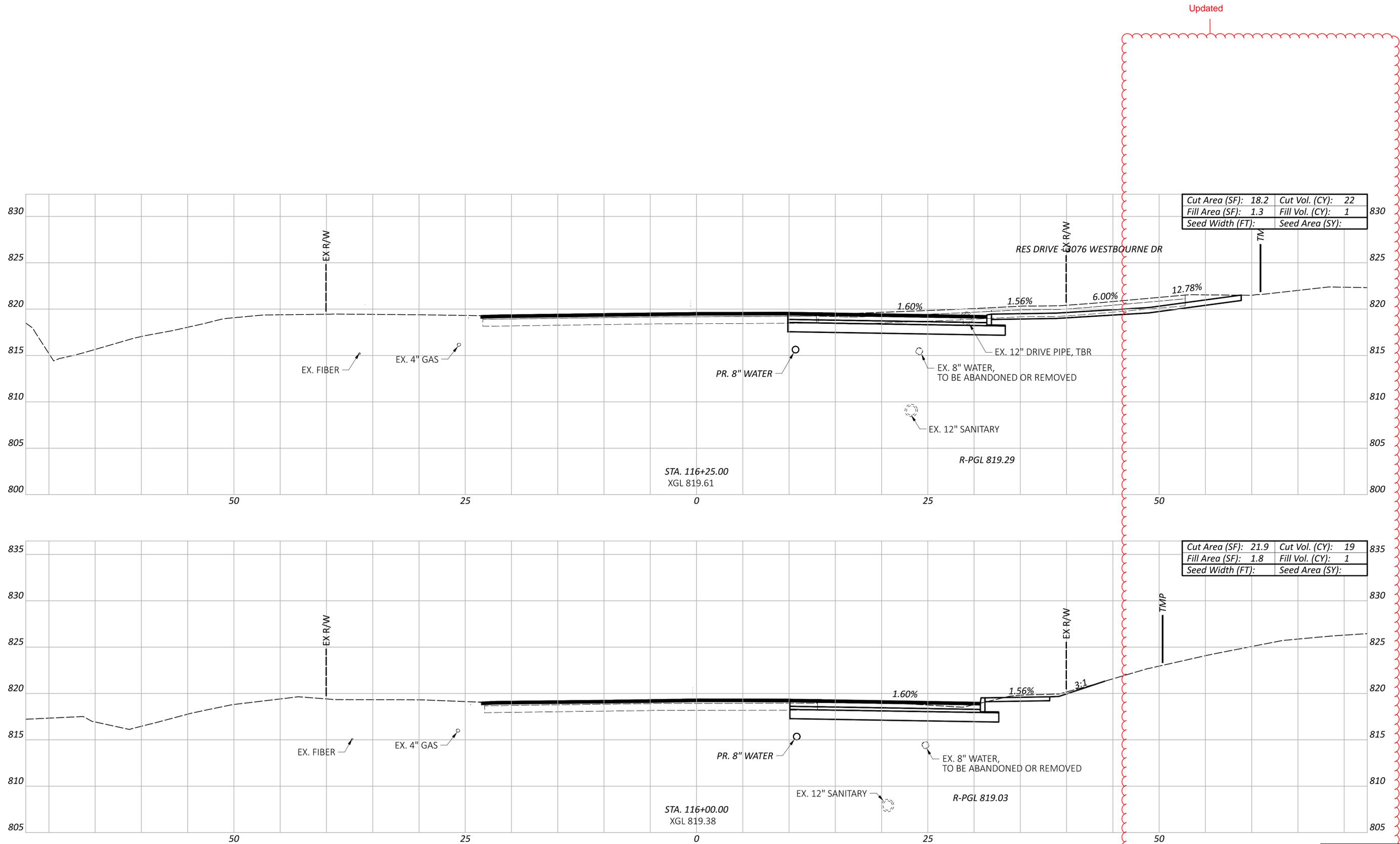
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Sheet Totals			116548
Seeding	Cut	Fill	SHEET TOTAL
	72	4	35 92



CROSS SECTIONS - WESTBOURNE DR  
 STA. 116+00 TO STA. 116+25

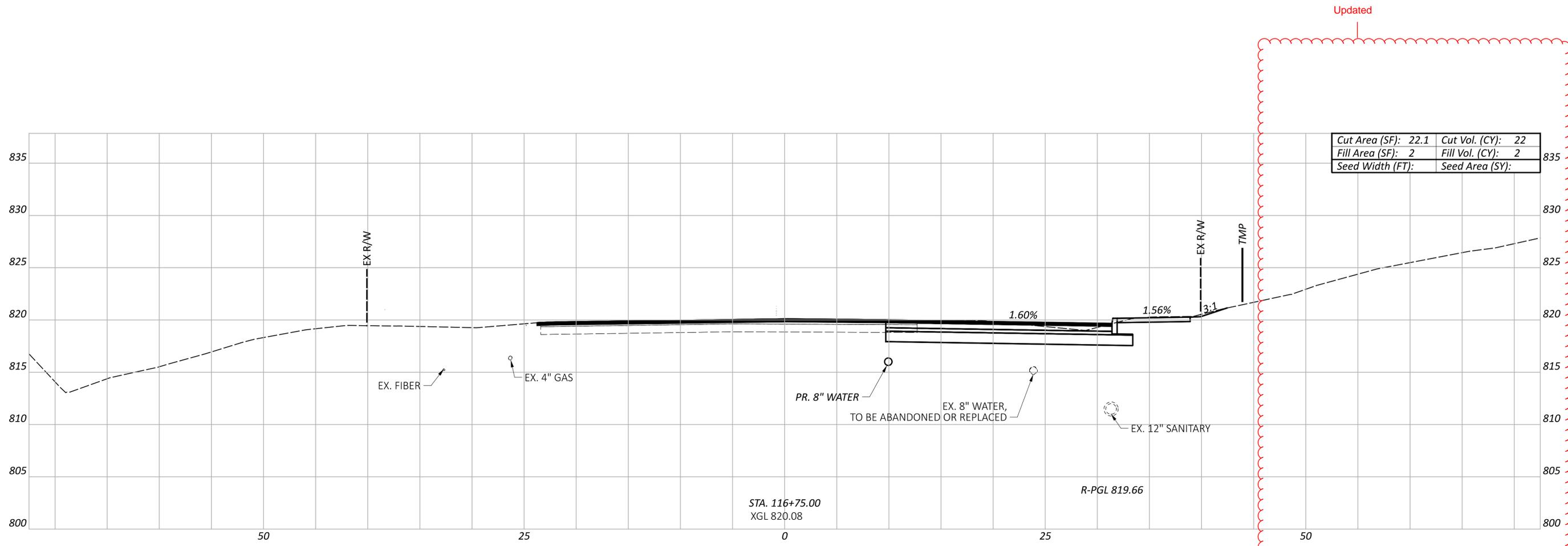
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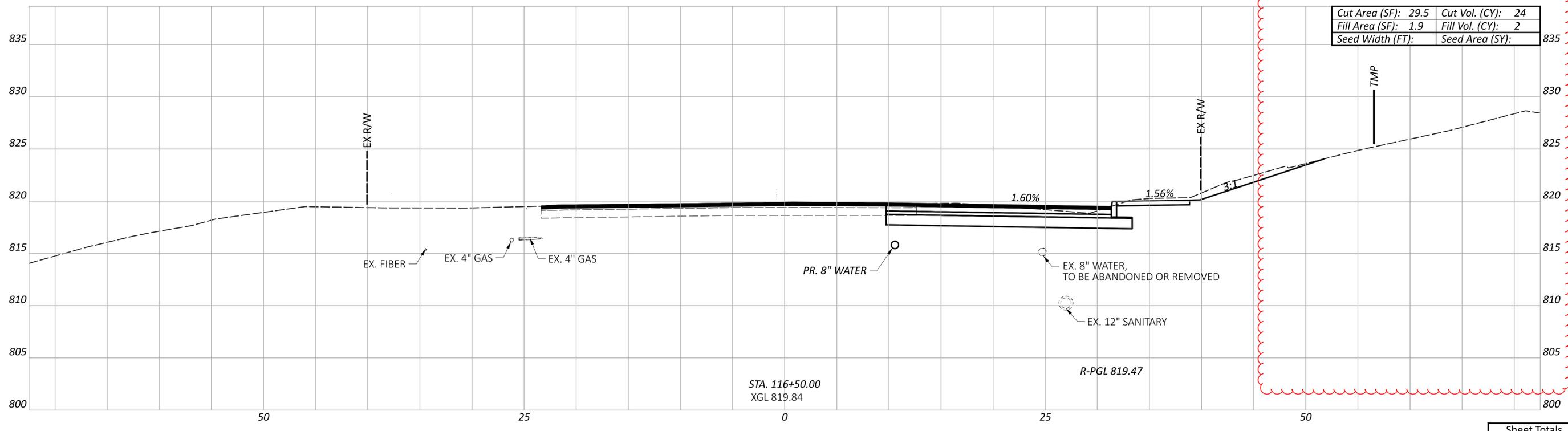
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PROJECT ID  
 116548

Sheet Totals				
Seeding	Cut	Fill	SHEET	TOTAL
	41	2	36	92



Cut Area (SF):	22.1	Cut Vol. (CY):	22
Fill Area (SF):	2	Fill Vol. (CY):	2
Seed Width (FT):		Seed Area (SY):	



Cut Area (SF):	29.5	Cut Vol. (CY):	24
Fill Area (SF):	1.9	Fill Vol. (CY):	2
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS - WESTBOURNE DR  
STA. 116+50 TO STA. 116+75

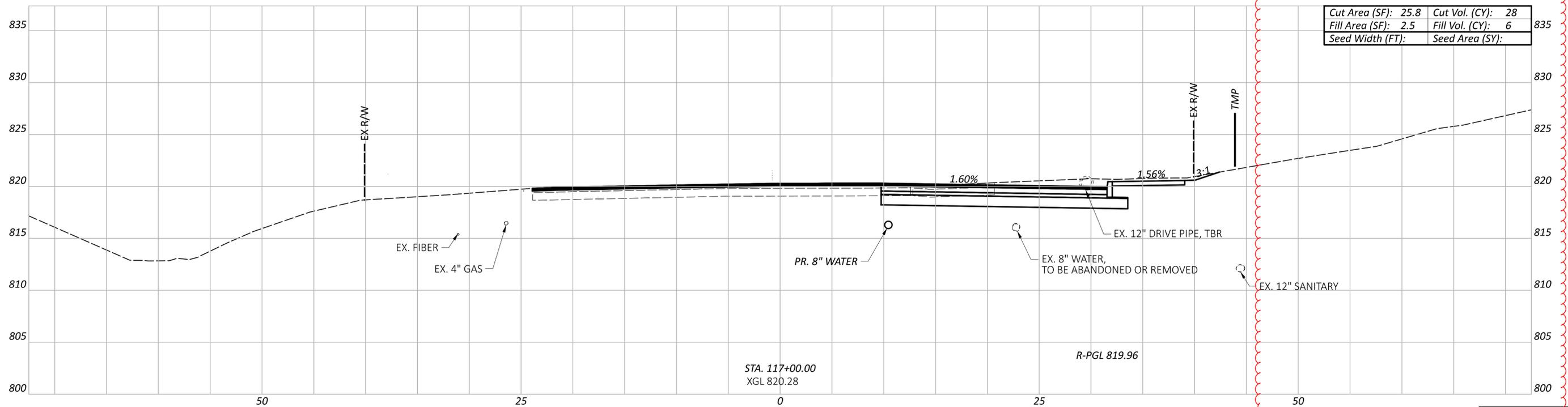
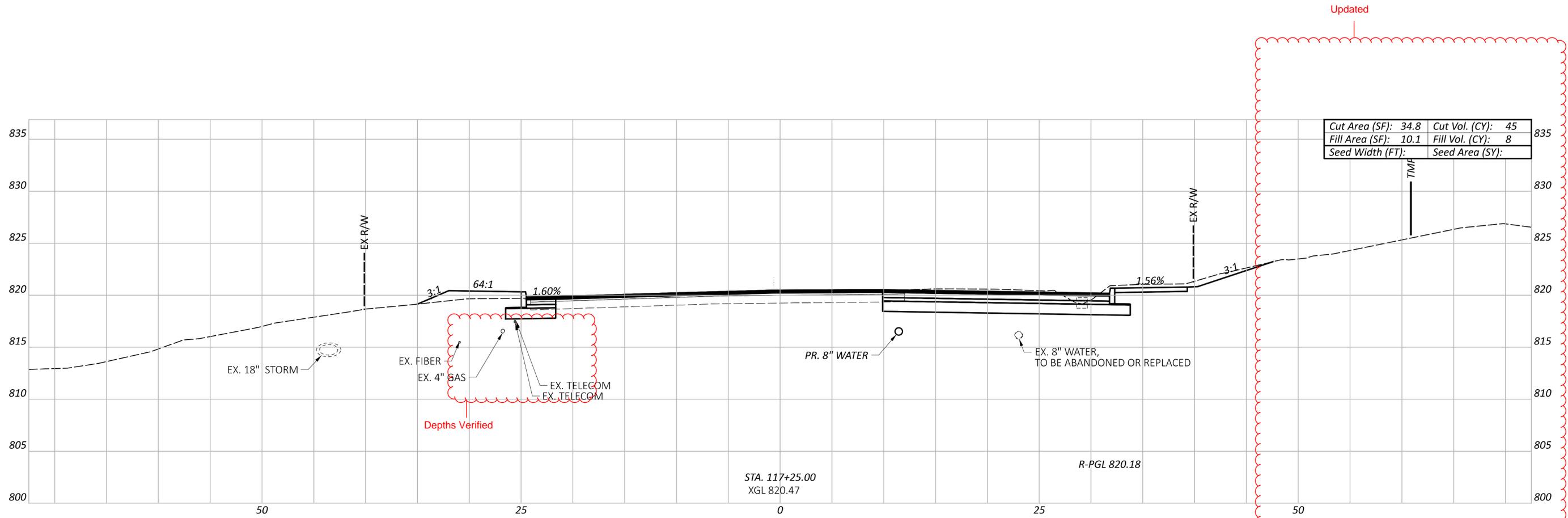
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Sheet Totals			116548	
Seeding	Cut	Fill	SHEET	TOTAL
	46	4	37	92



Sheet Totals		
Seeding	Cut	Fill
73	14	14

CROSS SECTIONS - WESTBOURNE DR  
 STA. 117+00 TO STA. 117+25

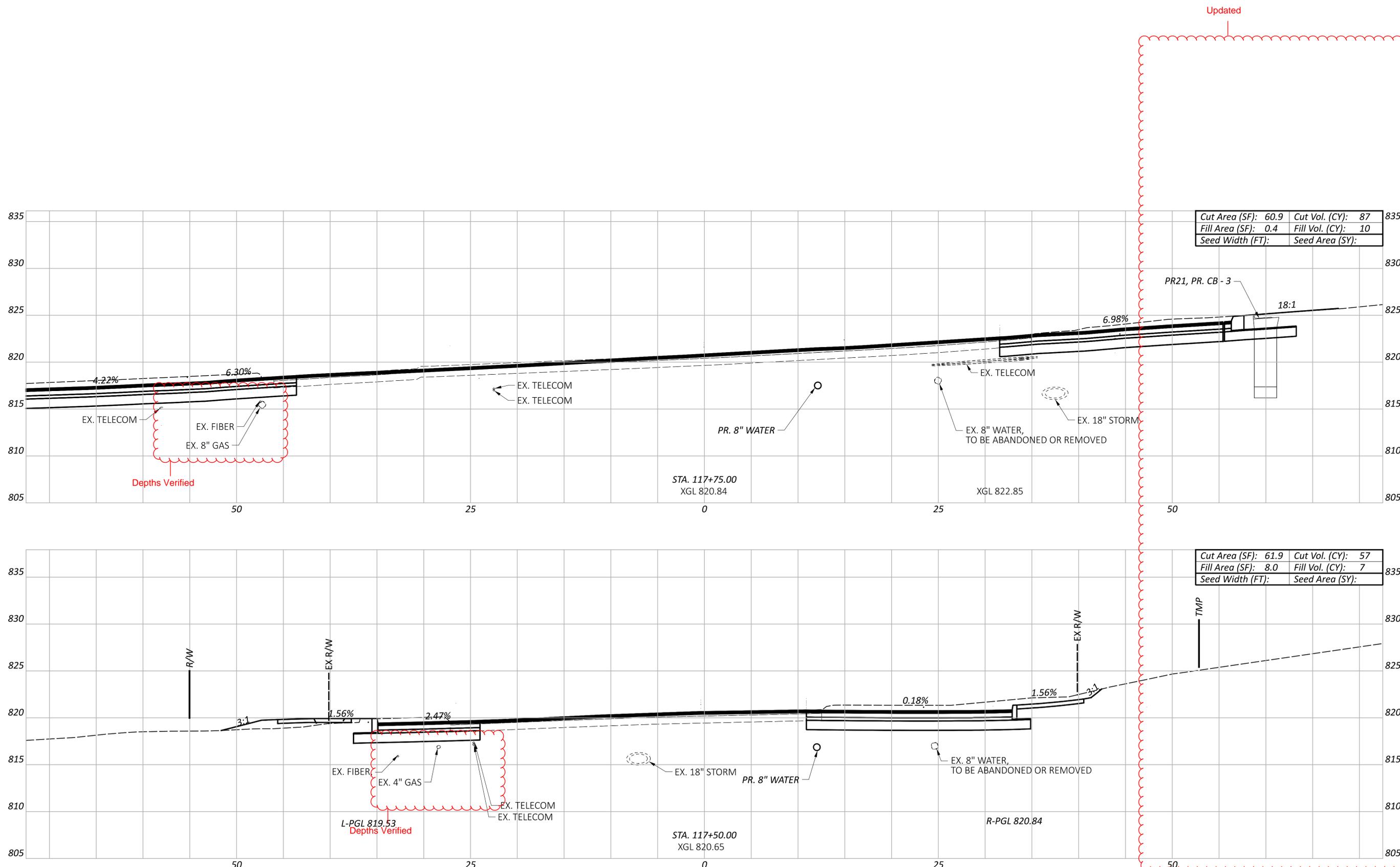
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SHEET	TOTAL
38	92



Cut Area (SF): 60.9	Cut Vol. (CY): 87
Fill Area (SF): 0.4	Fill Vol. (CY): 10
Seed Width (FT):	Seed Area (SY):

Cut Area (SF): 61.9	Cut Vol. (CY): 57
Fill Area (SF): 8.0	Fill Vol. (CY): 7
Seed Width (FT):	Seed Area (SY):

Sheet Totals			116548	
Seeding	Cut	Fill	SHEET	TOTAL
144	17		39	92

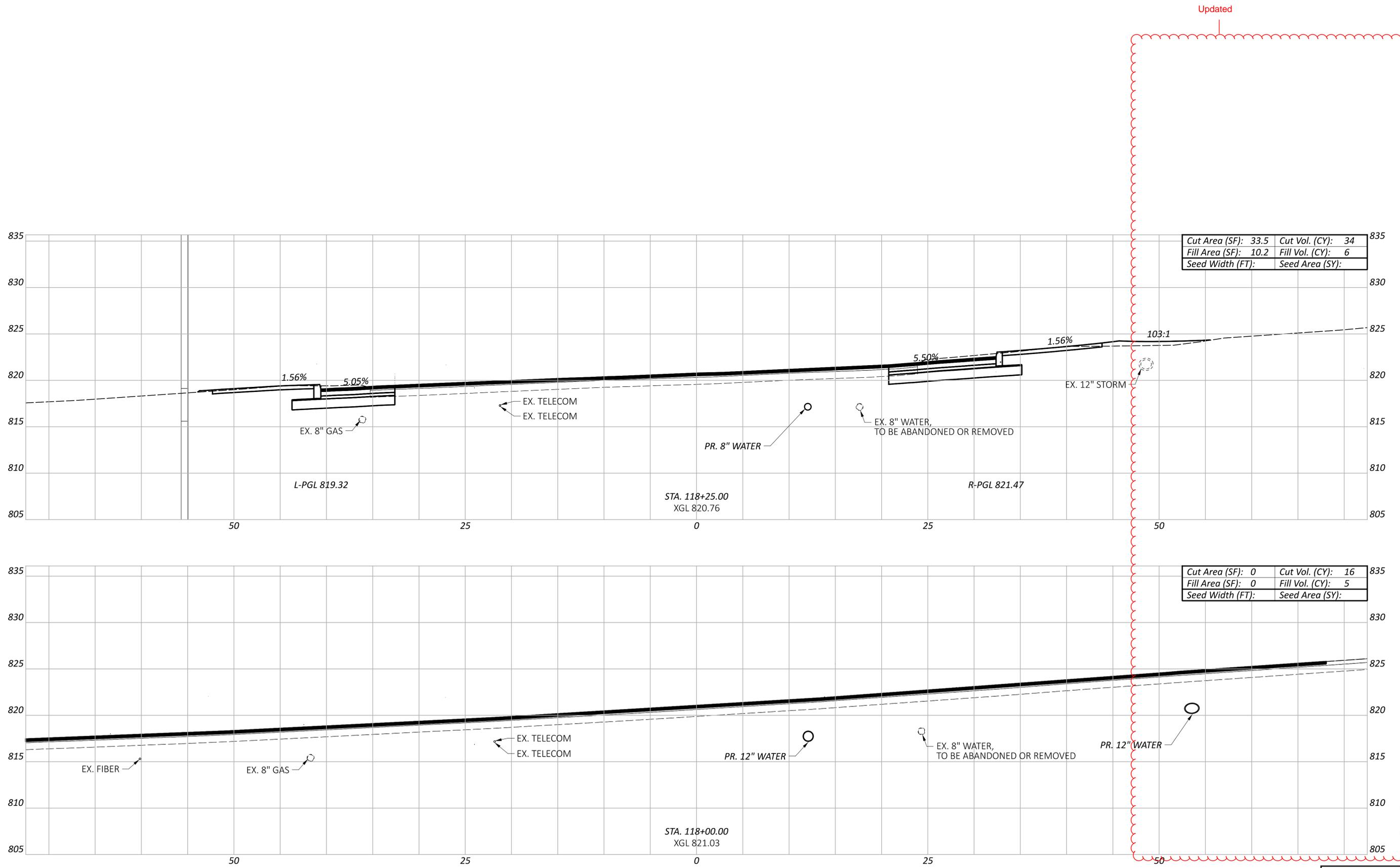
CROSS SECTIONS - WESTBOURNE DR  
 STA. 117+50 TO STA. 117+75

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Updated

Cut Area (SF): 33.5	Cut Vol. (CY): 34
Fill Area (SF): 10.2	Fill Vol. (CY): 6
Seed Width (FT):	Seed Area (SY):

Cut Area (SF): 0	Cut Vol. (CY): 16
Fill Area (SF): 0	Fill Vol. (CY): 5
Seed Width (FT):	Seed Area (SY):

CROSS SECTIONS - WESTBOURNE DR  
 STA. 118+00 TO STA. 118+25

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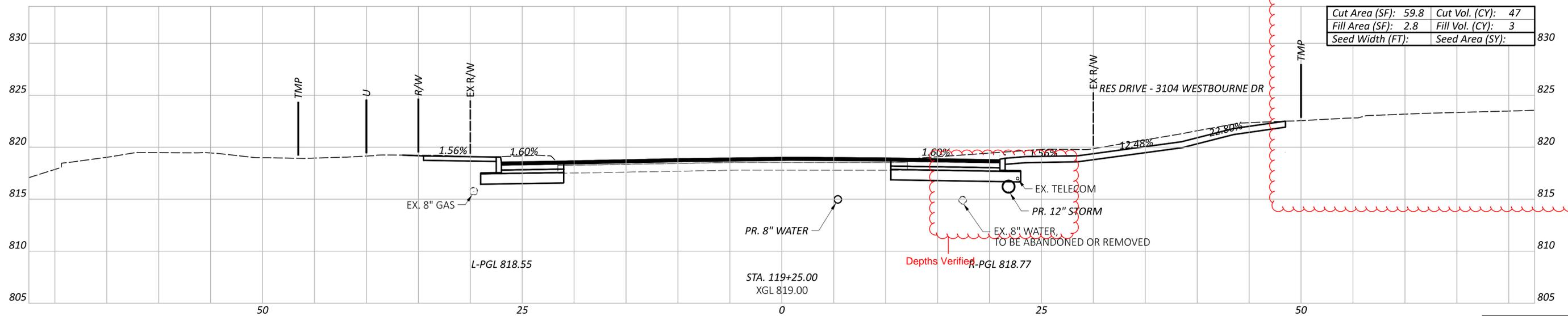
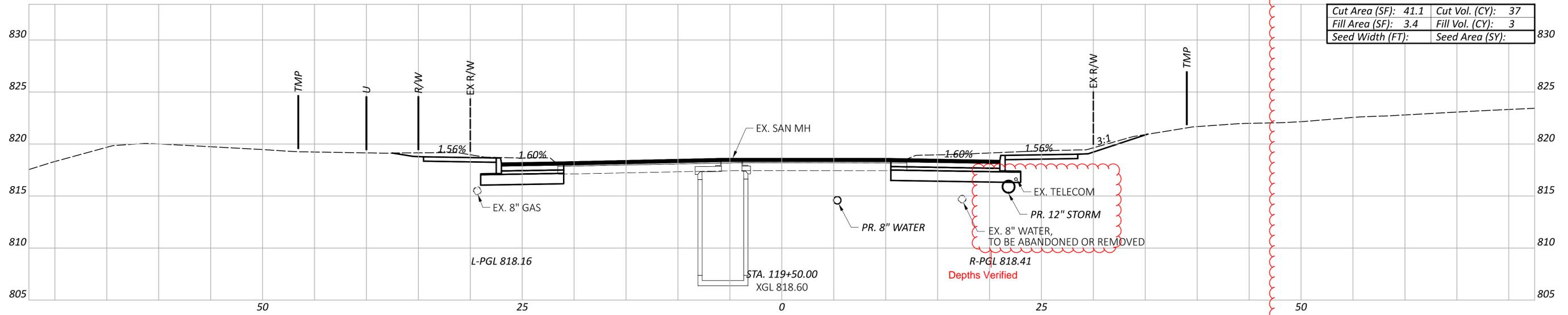
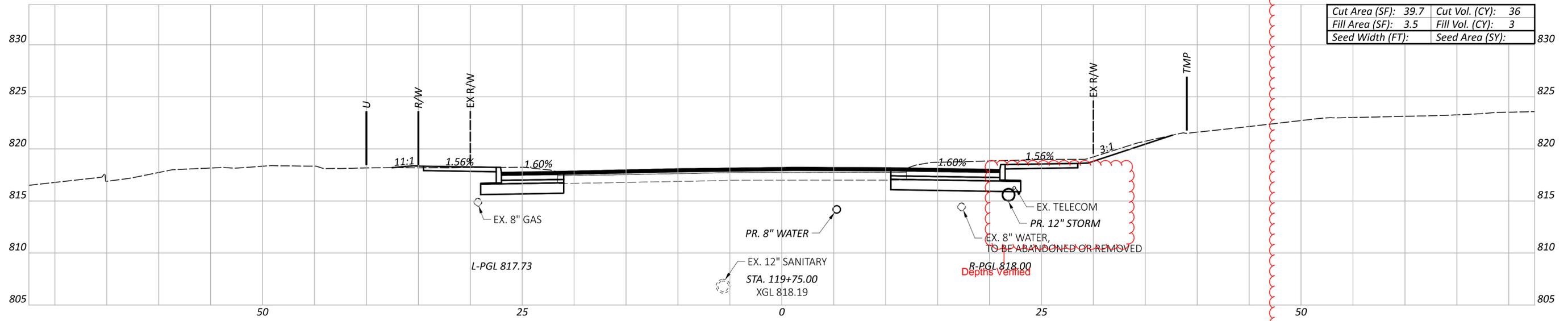
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Sheet Totals			116548	
Seeding	Cut	Fill	SHEET	TOTAL
50	11	40	11	92





CROSS SECTIONS - WESTBOURNE DR  
STA. 119+25 TO STA. 119+75

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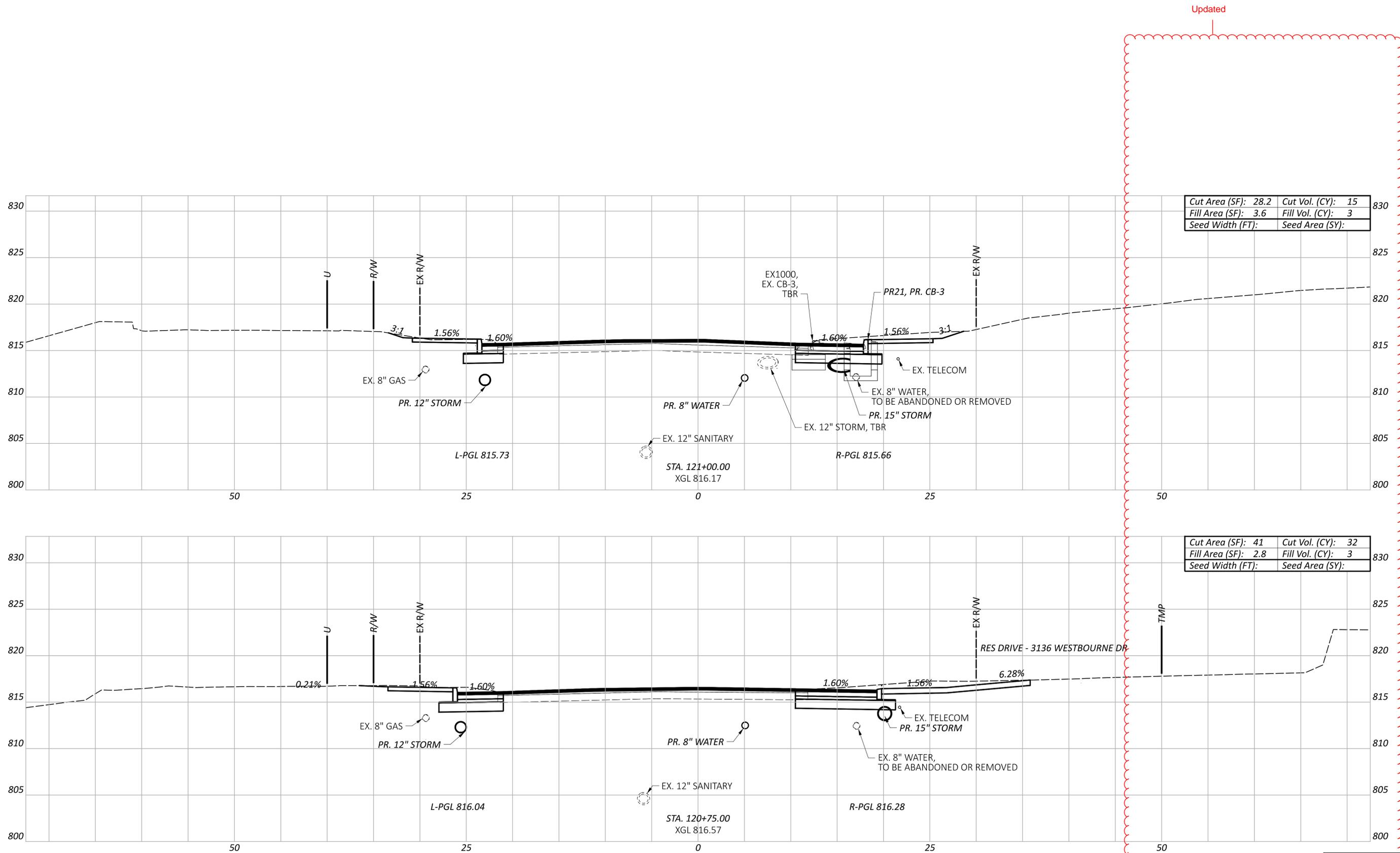
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KLL 02/26/26

PROJECT ID  
116548

Sheet Totals	116548		
Seeding	Cut	Fill	SHEET TOTAL
120	9	42	92





Cut Area (SF):	28.2	Cut Vol. (CY):	15
Fill Area (SF):	3.6	Fill Vol. (CY):	3
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	41	Cut Vol. (CY):	32
Fill Area (SF):	2.8	Fill Vol. (CY):	3
Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill
	47	6

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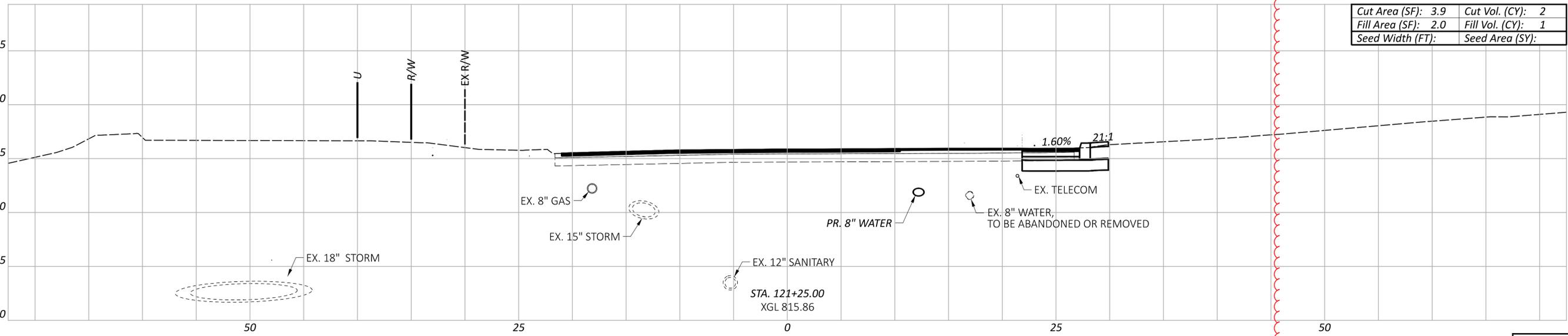
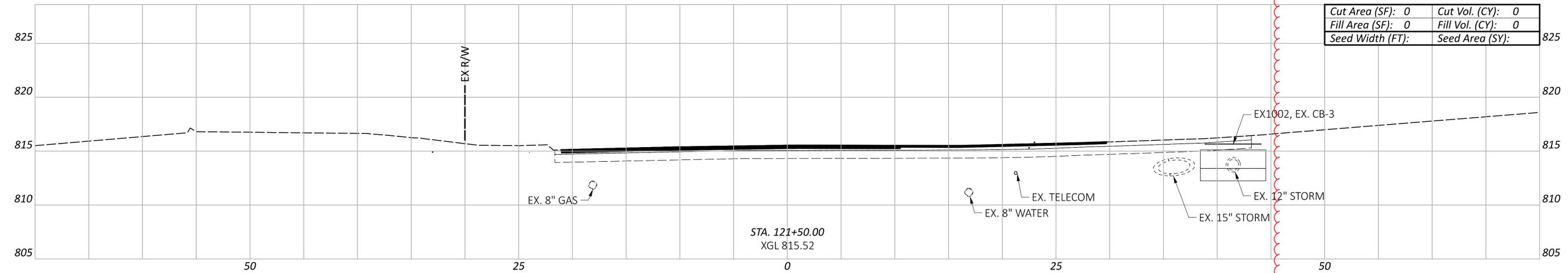
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PROJECT ID  
 116548

SHEET	TOTAL
44	92

CROSS SECTIONS - WESTBOURNE DR  
 STA. 120+75 TO STA. 121+00

Updated



Updated

CROSS SECTIONS - WESTBOURNE DR  
 STA. 121+25 TO STA. 121+50

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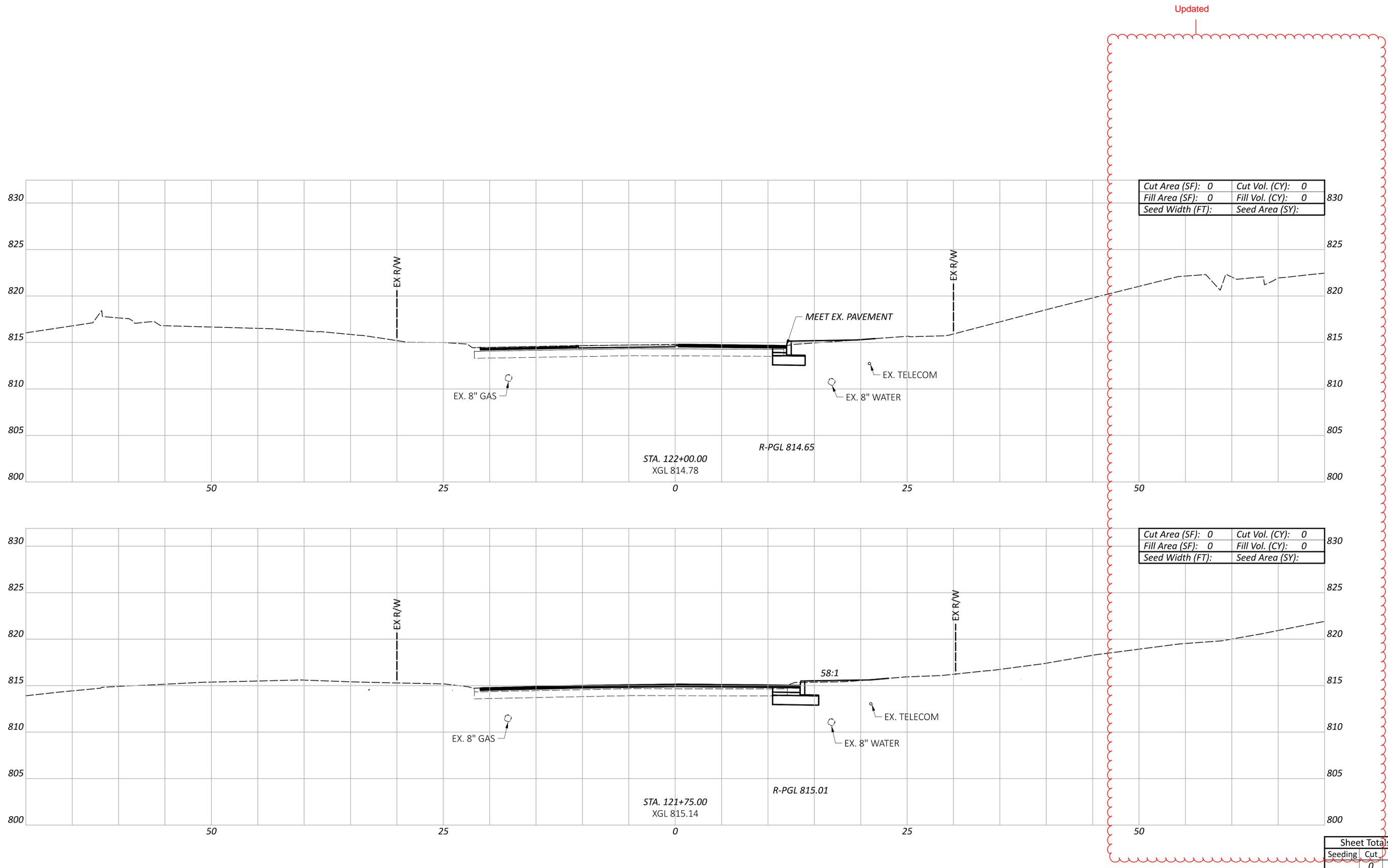
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 AJH

REVIEWER  
 KLL 02/26/26

PROJECT ID  
 116548

SHEET	TOTAL
45	92

Sheet Totals		
Seeding	Cut	Fill
2	2	1



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill
0	0	0

DESIGN AGENCY	TEC
DESIGNER	AJH
REVIEWER	KLL
PROJECT ID	116548
SHEET	46
TOTAL	92

CROSS SECTIONS - WESTBOURNE DR  
 STA. 121+75 TO STA. 122+00

Updated