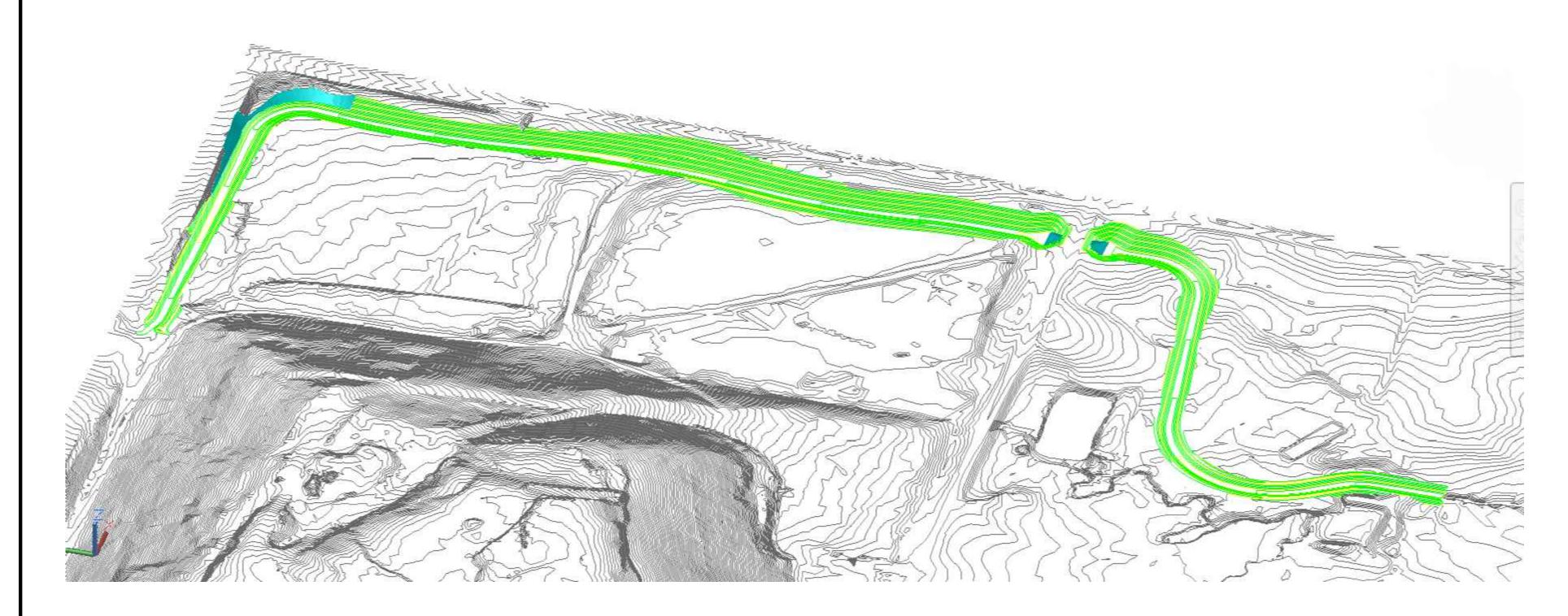
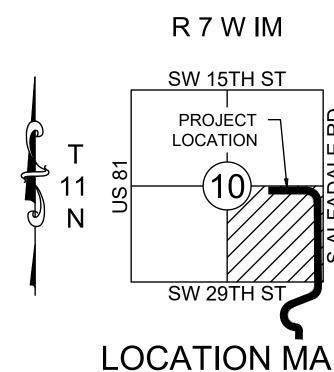
OKLAHOMA ENVIRONMENTAL MANAGEMENT AUTHORITY

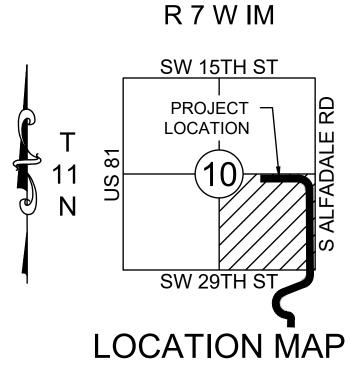
CANADIAN COUNTY LANDFILL CHANNEL RELOCATION

20435 SW 29th ST UNION CITY, OK 73090

PHASE 2 CONSTRUCTION DOCUMENTS 24 MARCH 2025











Sheet List Table	
heet Number	Sheet Title
C-001	COVER SHEET
C-002	LEGEND & GENERAL NOTES
C-201	SITE LAYOUT PLAN
CS100	OVERALL SITE PLAN





GENERAL NOTES:

- DO NOT SCALE: VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO CONSTRUCTION. ALL DIMENSIONS SHALL BE CHECKED AGAINST EXIST CONDITIONS ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING
- SHOP DRAWINGS SHALL BE PREPARED BY THE FABRICATOR. COPYING OF THESE CONSTRUCTION DOCUMENTS FOR USE AS SHOP DRAWINGS WILL NOT BE
- DESIGN IS VOID AFTER TWO YEARS FROM ORIGINAL DATE OF ISSUE, UNLESS UPDATED TO ACCEPTABLE CODES AND PRACTICES AT THAT TIME.
- INFORMATION PROVIDED ON THESE DRAWINGS RELATED TO EXISTING CONDITIONS IS BASED ON AVAILABLE REFERENCE DOCUMENTS AND LIMITED FIELD OBSERVATION. IMMEDIATELY REPORT TO AND AWAIT DIRECTION FROM THE CONTRACTING OFFICER IF ANY DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS IS DISCOVERED.
- SUPPORT, BRACE AND SECURE EXISTING STRUCTURES AS REQUIRED. THE SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF EXISTING STRUCTURES DURING CONSTRUCTION. FIELD VERIFY ALL EXISTING DIMENSIONS WHICH AFFECT THE NEW CONSTRUCTION PRIOR TO ORDERING MATERIALS.
- REPLACE IN KIND ANY EXISTING CONDITIONS DISTURBED DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO VEGETATION, PAVEMENT, CURB AND GUTTER, DRAINAGE FEATURES, UTILITIES, TRAFFIC SIGNAL DETECTION LOOPS, AND ALL OTHER SITE FEATURES AND RELATED APPURTENANCES.
- IF FIELD CONDITIONS ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE PLANS, NOTIFY THE ENGINEER AND CONTRACTING OFFICER IMMEDIATELY SO THAT APPROPRIATE ACTION CAN BE TAKEN.
- CAREFULLY PRESERVE ALL MONUMENTS, BENCHMARKS, RANGE TIES, AND PROPERTY MARKERS. RESET ALL DISTURBED SURVEY MARKERS, INCLUDING MONUMENTS, SECTION CORNERS, ALIQUOT CORNER MARKERS, ETC.
- EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWING ARE APPROXIMATE. OBTAIN EXACT LOCATION AND ELEVATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 0. EXISTING UTILITIES IDENTIFIED ON THESE DRAWINGS WERE COMPILED FROM INFORMATION PROVIDED BY UTILITY OWNERS, GIS DATABASE, POTHOLES, AND/OR FIELD OBSERVATIONS. EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE LOCATIONS AND NOT ALL UTILITIES MAY BE SHOWN. OBTAIN EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 1. THE AREA OF WORK FOR THIS PROJECT IS SHOWN ON THE PLANS. LIMIT ALL CONSTRUCTION ACTIVITIES AND DISTURBANCES TO THIS AREA.
- 12. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING, OBSERVATIONS, AND INSPECTIONS, UNLESS OTHERWISE NOTED.
- 13. PROVIDE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PER SPECIFICATION.
- 14. COMPLY WITH ALL ENVIRONMENTAL REGULATIONS PER SPECIFICATIONS AND CONTRACTING OFFICER.
- 15. THE PLANS AND REFERENCED CONSTRUCTION SPECIFICATIONS DESCRIBE THE WORK CONTEMPLATED AND IDENTIFY THE WORK TO BE DONE AND THE MATERIALS NECESSARY FOR CONSTRUCTION. THESE PLANS ARE INTENDED TO BE FULLY EXPLANATORY. THE PLAN AND SPECIFICATION DOCUMENTS SHALL BE CONSTRUED AND INTERPRETED AS A WHOLE AND THEREFORE, ANYTHING SHOWN, INDICATED OR SPECIFIED IN ONE AND NOT THE OTHER, SHALL BE INTERPRETED AS BEING SHOWN, INDICATED OR SPECIFIED IN BOTH.
- MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED INCIDENTAL AND INCLUDED AS AN ORDINARY PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK CAN BE MADE OR WILL BE PERMITTED BY THE OWNER WITHOUT THE ISSUANCE OF A CHANGE ORDER.
- NO PLEA OF IGNORANCE OF EXISTING CONDITIONS OR OF DIFFICULTIES OR CONDITIONS ENCOUNTERED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION. FULFILL EVERY DETAIL OF ALL OF THE REQUIREMENTS IN THE CONTRACT DOCUMENTS GOVERNING THE WORK.

CAST IN PLACE CONCRETE - GENERAL:

- ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED 1/2", UNLESS OTHERWISE
- ALL REINFORCING BARS SHALL BE DEFORMED BILLET STEEL CONFORMING TO
- ASTM A 615 GRADE 60 UNLESS OTHERWISE NOTED. PROVIDE ALL FORMWORK AND SHORING DESIGN.
- PROTECT OF THE WORK. ANY CONCRETE SUFFERING DAMAGE SUCH AS GRAFFITI, TACK COAT SPRAY, FOOTPRINTS, RAIN DAMAGE, ETC., WILL BE REPAIRED OR REPLACED AT THE DIRECTION OF THE ENGINEER BY THE SUBCONTRACTOR AT THE SUBCONTRACTOR'S EXPENSE PRIOR TO FINAL ACCEPTANCE AND PAYMENT. IF ANY CONCRETE MUST BE REPLACED BECAUSE OF RAVELING AT THE JOINTS. IMPROPER JOINTS, RANDOM CRACKING, GRAFFITI, FOOTPRINTS, ETC., THE ENTIRE SLAB WILL BE REPLACED AT THE SUBCONTRACTOR'S EXPENSE.
- PROTECT/GUARD ALL PROTRUDING REINFORCING STEEL AND/OR FORMWORK WITHIN THE WORK AREA ONTO WHICH WORKERS COULD FAIL TO ELIMINATE THE HAZARD OF IMPALEMENT.
- TAKE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF PEDESTRIANS DURING ALL CURB, GUTTER, AND SIDEWALK WORK.

EROSION CONTROL NOTES - GENERAL:

- A COPY OF THE EROSION CONTROL SITE PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE UPON REQUEST.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMITTING THE SWPPP AND ANY REQUIRED PERMITS TO ODEQ, CANADIAN COUNTY, THE CITY OF UNION CITY, AND ANY OTHER FEDERAL, STATE, OR LOCAL AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES; CONTRACTOR SHALL REPAIR OR REPLACE ALL DAMAGED EROSION CONTROL DEVICES PROMPTLY.

NEW WORK LEGEND:

SIGN ____ WHEEL STOP ADA PARKING STALL FIRE HYDRANT BOLLARD WATER LINE —— F ———— FIRE LINE — SANITARY LINE

— SANITARY FORCE MAIN

— — E — ELECTRICAL LINE (UNDERGROUND)

CHAINLINK FENCE

DEMOLITION LEGEND:

CONCRETE PAVEMENT DEMO CONCRETE SIDEWALK DEMO

BUILDING RENOVATION GRAVEL & LANDSCAPING DEMO

PAVING LEGEND:

SLOPE STABILIZATION AGGREGATE SURFACING

	PAY ITEM LIST		
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1	CLEARING & GRUBBING	LSUM	1
2	UNCLASSIFIED EXCAVATION	CY	75
3	EMBANKMENT/FILL	CY	1,270
4	BORROW	CY	1195
5	RELOCATE TOPSOIL STOCKPILE	CY	2,000
6	POND DREDGING	CY	1,000
7	CONSTRUCTION STAKING	LSUM	1
8	MOBILIZATION	LSUM	1
9	EROSION CONTROL/SWPPP MANAGEMENT	LSUM	1

NOTE: FOR BIDDING PURPOSES, THE VOLUME OF POND DREDGING IS ESTIMATED AT 4'-0" DEEP ACROSS THE SURFACE AREA OF THE POND.

BBREVIA ⁻	TIONS
NOC BCI CMH COC CWS CWR CY MH DC ES FE H L M OC O	AREA INLET BACK OF CURB CATCH BASIN CURB INLET COMMUNICATIONS COMM. MANHOLE CLEAN OUT CULVERT PIPE UNDERGROUND COMMUNICATIONS CHILLED WATER SUPPLY CHILLED WATER RETURN CUBIC YARD ELECTRIC LINE ELECTRIC MANHOLE FIRE LINE FIRE DEPARTMENT CONNECTION FLARED END SECTION FINISHED FLOOR ELEVATION FIRE HYDRANT FLOW LINE FORCE MAIN FACE OF CURB FIBER OPTIC GAS LINE
SR SM	GAS REGULATOR GAS METER
	NOC BCC CMH COC CWR CY EMH COC GR

GAS VALVE HDPE HIGH DENSITY POLYETHYLENE HAND HOLE HW HEADWALL

HOT WATER SUPPLY HWR HOT WATER RETURN HAG HORIZONTAL AT GRADE HUG HORIZONTAL UNDERGROUND HYD HYDRANT

JUNCTION BOX

INV INVERT I.P. IRON PIN INDUSTRIAL WASTE IRRIGATION LINE LINEAR FEET LP LIGHT POLE L.S. LIFT STATION

JBOX

MH MANHOLE M.W. MONITORING WELL MSEC MID-SOUTH ELECTRIC COOPERATIVE

OHE OVERHEAD ELECTRIC REINFORCED CONCRETE PIPE PULL BOX PΕ POLYETHYLENE

PED PEDESTAL/RISER P.I.V. POST INDICATOR VALVE PP POWER POLE PSI POUND PER SQUARE INCH POLYVINYL CHLORIDE PIPE

SD STORM DRAIN SF SILT FENCE SF SQUARE FEET SANITARY SEWER TOP OF CURB TELE TELEPHONE LINE TMH TELEPHONE MANHOLE TR TELEPHONE RISER UNDERGROUND ELECTRIC

VAG VERTICAL AT GRADE WATER LINE WATER MANHOLE WM WATER METER WV WATER VALVE







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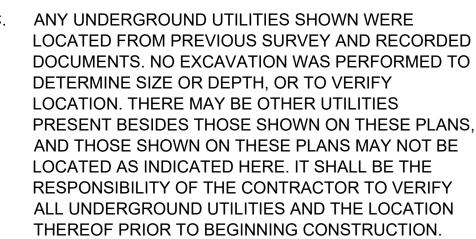
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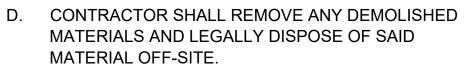


OVERALL SITE LAYOUT PLAN

GENERAL NOTES:

CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ANY EXISTING PAVEMENT, UTILITIES, STRUCTURES, OR OTHER FEATURES TO REMAIN. ANY DAMAGE TO EXISTING PAVEMENT, UTILITIES, STRUCTURES, OR OTHER FEATURES TO REMAIN SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.





E. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

F. EXCEPT IN AREAS NOTED OTHERWISE, ALL SLOPES SHALL BE 3H:1V. ANY AREAS WHERE SLOPE IS NOTED TO EXCEED 3H:1V SHALL BE PROTECTED BY SLOPE STABILIZATION AS SHOWN IN THE DETAILS.

G. ALL DISTURBED AREAS NOT PAVED SHALL BE SODDED UNLESS INDICATED OTHERWISE.

H. ANY EROSION CONTROL DEVICES, INSTALLATION, AND MAINTENANCE THEREOF SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF UNION CITY, CANADIAN COUNTY, AND THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY.

THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL DEVICES AND BEST MANAGEMENT PRACTICES (BMP'S) SUCH THAT NO STORMWATER POLLUTION ENTERS EXISTING DRAINAGE SYSTEMS OR ROADWAYS AND MUST COORDINATE THE BMP'S AS REQUIRED FOR ANY CONSTRUCTION PHASING.

J. THE CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) TO THE CITY OF UNION CITY, CANADIAN COUNTY, AND THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY AS

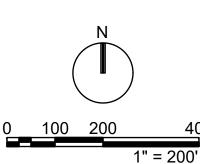
K. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE JOB SITE, POSTED PROMINENTLY AND READILY AVAILABLE TO THE PUBLIC, THAT INCLUDES THE MOST CURRENT VERSION OF THE EROSION CONTROL PLAN. THIS PLAN SHALL BE KEPT UPDATED TO SHOW ANY CHANGES TO THE EROSION CONTROL BMP'S AND ALL MAINTENANCE THAT HAS BEEN PERFORMED ON THE BMP'S, ALONG WITH THE DATES OF SUCH CHANGES AND MAINTENANCE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF UNION CITY, CANADIAN COUNTY, AND THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL

THE CONTRACTOR SHALL MAINTAIN ALL BMP'S IN A FUNCTIONAL CONDITION, EFFECTING MAINTENANCE AT ANY TIME A GIVEN BMP HAS IMPAIRED FUNCTION DUE TO DAMAGE OR SEDIMENT BUILDUP. IMPAIRED FUNCTION INCLUDES, BUT IS NOT LIMITED TO, TORN OR DOWNED SILT FENCE, TORN ROCK BAGS, WASHED OUT GRAVEL AND RIP RAP OR ANY OTHER DEFECT OR DAMAGE THAT IMPAIRS THE FUNCTION OF A BMP. THE CONTRACTOR SHALL INSPECT ALL BMP'S AT LEAST ONCE PER WEEK AND AFTER ANY RAINFALL OF 1" OR MORE.

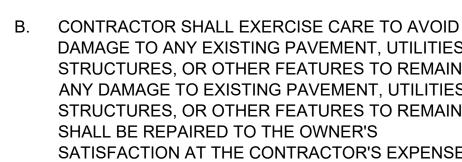
M. EARTHWORK VOLUMES:

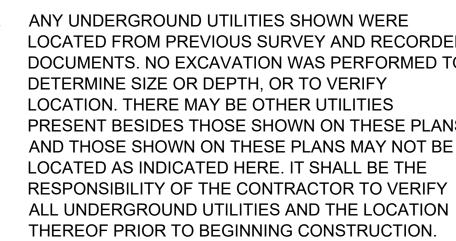
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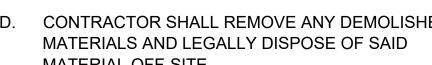
75 CY 1,270 CY 1,000 CY 1,195 CY BORROW

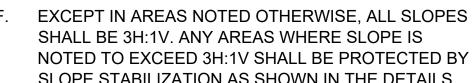


A. REFER TO SHEET C-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.









REQUIRED.

QUALITY.

CS100

SITE

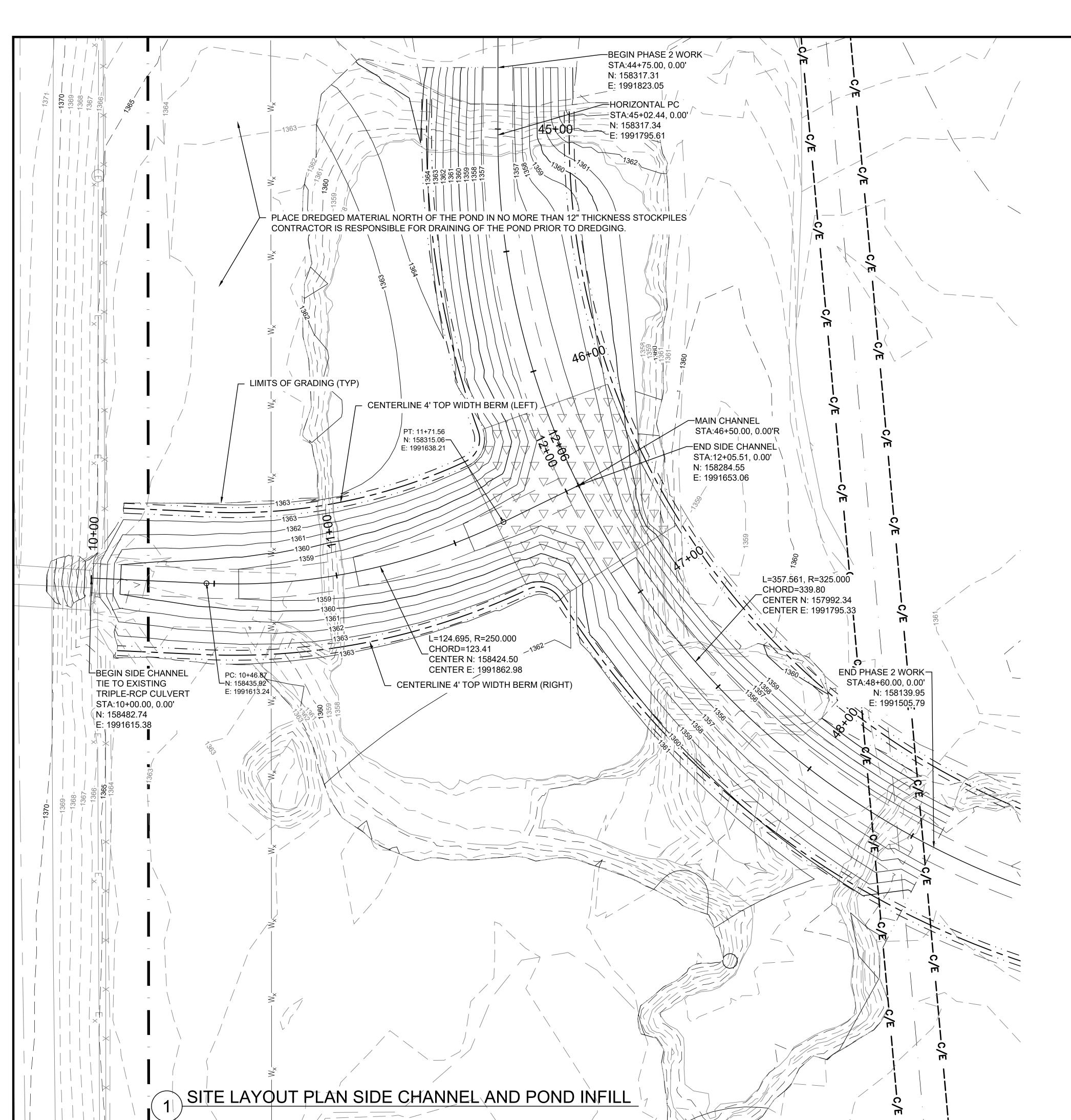
OVERALL

guernsey

guernsey.us

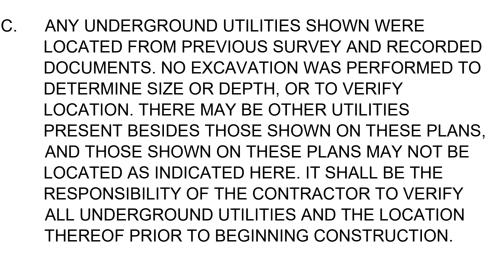
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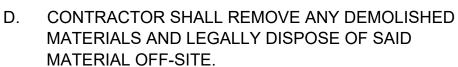
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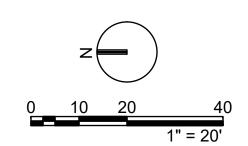
GENERAL NOTES:

- A. REFER TO SHEET C-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.
- B. CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ANY EXISTING PAVEMENT, UTILITIES, STRUCTURES, OR OTHER FEATURES TO REMAIN. ANY DAMAGE TO EXISTING PAVEMENT, UTILITIES, STRUCTURES, OR OTHER FEATURES TO REMAIN SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.





- E. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
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- J. THE CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) TO THE CITY OF UNION CITY, CANADIAN COUNTY, AND THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY AS REQUIRED.
- K. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE JOB SITE, POSTED PROMINENTLY AND READILY AVAILABLE TO THE PUBLIC, THAT INCLUDES THE MOST CURRENT VERSION OF THE EROSION CONTROL PLAN. THIS PLAN SHALL BE KEPT UPDATED TO SHOW ANY CHANGES TO THE EROSION CONTROL BMP'S AND ALL MAINTENANCE THAT HAS BEEN PERFORMED ON THE BMP'S, ALONG WITH THE DATES OF SUCH CHANGES AND MAINTENANCE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF UNION CITY, CANADIAN COUNTY, AND THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY.
- L. THE CONTRACTOR SHALL MAINTAIN ALL BMP'S IN A FUNCTIONAL CONDITION, EFFECTING MAINTENANCE AT ANY TIME A GIVEN BMP HAS IMPAIRED FUNCTION DUE TO DAMAGE OR SEDIMENT BUILDUP. IMPAIRED FUNCTION INCLUDES, BUT IS NOT LIMITED TO, TORN OR DOWNED SILT FENCE, TORN ROCK BAGS, WASHED OUT GRAVEL AND RIP RAP OR ANY OTHER DEFECT OR DAMAGE THAT IMPAIRS THE FUNCTION OF A BMP. THE CONTRACTOR SHALL INSPECT ALL BMP'S AT LEAST ONCE PER WEEK AND AFTER ANY RAINFALL OF 1" OR MORE.
- M. COORDINATE WITH PHASE 1 CHANNEL MODIFICATION PACKAGE CONTRACTOR REGARDING EXTENTS AND TIMING OF WORK TO BE DONE. REFER TO PHASE 1 DRAWINGS FOR ADDITIONAL INFORMATION.









OK07848-010	ВХ	DATE	DESCRIPTION	MRK
PROJECT NC				
24 MAR 2025				
DATE:				
B BIESEMEY				
DRAWN BY:				
DESIGNED BY				

20435 SW 29th ST. UNION CITY. OK 73090
PHASE 2 PLANS
JT PLAN SIDE CHANNEL AND POND I

C-201