| OWNER | CONSULTANT | |
|--------------------------------------|----------------------------------|--|
| FRANKLIN COUNTY HIGHWAY DEPT. | COCHRAN | |
| REPRESENTATIVE: RON WILLIAMS, P.E. | REPRESENTATIVE: TARY TODD, P.E. | |
| ADDRESS: 400 EAST LOCUST ROOM 003A | ADDRESS: 737 RUDDER ROAD | |
| UNION, MISSOURI 63084 | FENTON, MISSOURI 63026 | |
| PHONE: (636) 583-6361 | PHONE: (314) 842-4033 | |
| CABLE | TELEPHONE | |
| CHARTER | AT&T | |
| REPRESENTATIVE: CARL HILL | REPRESENTATIVE: JEREMIAH KINEALY | |
| ADDRESS: 1015 C WASHINGTON SOUARE | ADDRESS: 507 E. MAIN STREET | |
| WASHINGTON, MISSOURI 63090 | UNION, MISSOURI 63084 | |
| PHONE: (636) 667-6936 | PHONE: (636) 425-3511 | |
| ELECTRIC | MoDOT | |
| AMEREN U.E. | | |
| REPRESENTATIVE: CHRIS SANZOTERRA | REPRESENTATIVE: | |
| ADDRESS: 500 EAST INDEPENDENCE DRIVE | ADDRESS: | |
| UNION, MISSOURI 63084 | | |
| PHONE: (636) 583-7156 | PHONE: | |
| GAS | | |
| | | |
| REPRESENTATIVE: | REPRESENTATIVE: | |
| ADDRESS: | ADDRESS: | |
| PHONE: | PHONE: | |

PROJECT INFORMATION

FRANKLIN COUNTY, MO START OF PROJECT: STA 1+00.00 END OF PROJECT: STA 5+13.00 PROJECT LENGTH: 413 FEET

FUNCTIONAL CLASSIFICATION: URBAN COLLECTOR



VICINITY MAP

OLD HIGHWAY 100 HYDRAULIC STUDY

FRANKLIN CO., MISSOURI



400 EAST LOCUST STREET UNION, MISSOURI 63084 TELEPHONE (636) 583-6362 FAX (636) 584-0902



- CIVIL ENGINEERING
- SITE DEVELOPMENT
- LAND SURVEYING
- MASTER PLANNING
- ARCHITECTURE
- GENERAL CONSULTING

737 RUDDER ROAD FENTON, MISSOURI 63026 TELEPHONE (314) 842-4033 FAX (314) 842-5957 www.cochraneng.com

COCHRAN PROJECT NO. SC17-768
DECEMBER 2017

SHEET NAME SHEET NO. QUANTITIES Q-1 TOPOGRAPHIC SURVEY TS-1 LEGEND AND GENERAL NOTES LG-1 SITE PLAN S-1 STORM SEWER PROFILE SP-1 DRAINAGE DITCH PROFILE DP-1 EROSION CONTROL PLAN EC-1

D-1 TO D-2

TC-1 TO TC-2

DETAILS

TRAFFIC CONTROL PLAN

SHEET INDEX

WHERE THE TERM "STANDARD SPECIFICATIONS" IS USED, SUCH REFERENCE SHALL MEAN THE 2011 EDITION OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS OTHERWISE PROVIDED IN THE PROJECT MANUAL IN CASE OF CONFLICT IN THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS STATED IN THE PROJECT MANUAL, THE REQUIREMENTS IN THE PROJECT MANUAL SHALL PREVAIL

TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION ON THIS SITE, CONTRACTOR SHALL CALL 1-800-DIG-RITE FOR UTILITY LOCATION INFORMATION.

ALL OSHA RULES & REGULATIONS ESTABLISHED FOR THE TYPE OF CONSTRUCTION REQUIRED BY THESE PLANS SHALL BE STRICTLY FOLLOWED (IE TRENCHING, BLASTING, ETC.)





Tary Todd No. E-24182 Registered Professional Engineer State of Missouri for Cochran

FRANKLIN COUNTY, MISSOURI

ACCEPTED BY:

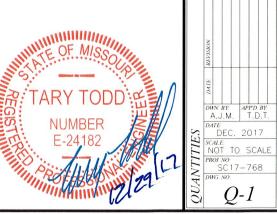
RON WILLIAMS COUNTY ENGINEER

QUANTITIES

| Bid No. | Spec. No. | Description | Unit | From STA. | To STA. | Quantity | | | |
|---------------------------------|--------------------------------|---|------|--------------|------------|----------|--|--|--|
| ROADV | ROADWAY ITEMS | | | | | | | | |
| 1 | 1500 | Mobilization | LS | 1+00.00 | 5+13.00 | 1 | | | |
| 2 | 1500 | Channelizers (Trimline) | EA | 1+00.00 | 5+13.00 | 30 | | | |
| 3 | 2300 | Earthwork | LS | 18+97.09 | 27+49.60 | 1 | | | |
| 4 | 2300 | Type I Rock Blanket | CY | 3+26.30 | 3+42.63 | 12 | | | |
| 5 | 2350 | Silt Fence | LF | 2+90.16 | 3+60.93 | 63 | | | |
| 6 | 3000 | Utilty Cut Road Repair | LF | 3+29.27 | 3+38.13 | 36 | | | |
| 7 | 3000 | Concrete Seep Collar | EA | 3+32.45 | 3+38.07 | 2 | | | |
| 8 | 3000 | Storm Sewer (12" RCP) | LF | 3+33.06 | 3+37.70 | 96 | | | |
| 9 | 3000 | Storm Sewer Structure (Area Inlet) | EA | 3+31.13 | 3+36.00 | 1 | | | |
| 10 | 3000 | Storm Sewer Structure (Junction Box) | EA | 3+31.50 | 3+39.92 | 2 | | | |
| 11 | 4000 | Asphalt Pavement (BP-1) (Surface Course) (2") | LS | 3+29.27 | 3+38.13 | 1 | | | |
| SIGNIN | SIGNING/STRIPING/SIGANAL ITEMS | | | | | | | | |
| 12 | 1500 | Construction Signs | SF | 1+00.00 | 5+13.00 | 100 | | | |
| 13 | 3200 | Sign Relocation | EA | 3+31.46 | 3+36.33 | 1 | | | |
| LANDSCAPING/STREETSCAPING ITEMS | | | | | | | | | |
| 14 | 9000 | Seed, Mulch and Fertilize | SY | 18+97.09 | 27+49.60 | 337 | | | |
| | | | | | | | | | |

OLD HIGHWAY 100 HYDRAULIC STUDY FRANKLIN COUNTY, MO

DWN BY APPD BY



HYDRAULIC STUDY

TE DEC. 2017

1" = 30'

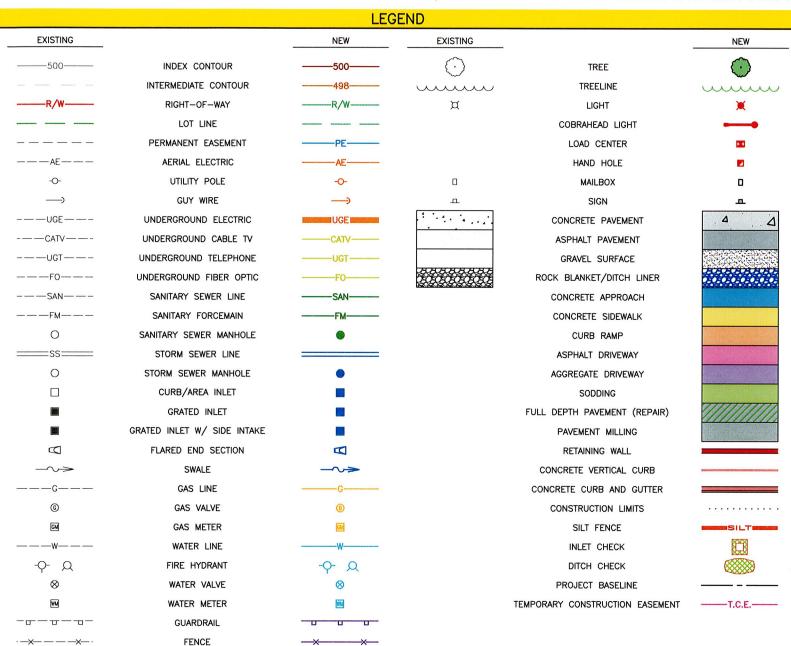
TS-1

COUNTY,

FRANKLIN

LEGEND AND GENERAL NOTES

LEGEND, GENERAL NOTES AND ABBREVIATIONS SHALL APPLY TO ALL SHEETS UNLESS OTHERWISE NOTED ON INDIVIDUAL SHEET



ABBREVIATIONS

AI - AREA INLET MIN - MINIMUM ARC - ARC LENGTH NO - NUMBER ATG - ADJUST TO GRADE 0/S OFFSET BOTTOM OF FOOTING OC - ON CENTER
PC - POINT OF CURVATURE - BEGINNING OF PAVEMENT BW — BOTTOM OF WALL CB — CHORD BEARING - POINT OF COMPOUND CURVATURE PE - PERMANENT EASEMENT CHD - CHORD LENGTH PI - POINT OF INTERSECTION CI - CURB INLET - POINT OF REVERSE CURVATURE CMP - CORRUGATED METAL PIPE PT - POINT OF TANGENCY DCI - DOUBLE CURB INLET - RIGHT-OF-WAY DGI - DOUBLE GRATED INLET RAD - RADIUS ELEV - ELEVATION RCP - RE-INFORCED CONCRETE PIPE EOP - END OF PAVEMENT RT - RIGHT FES - FLARED END SECTION - STOPPING SIGHT DISTANCE FL - FLOW LINE STA - STATION TBR - TO BE REMOVED GI - GRATED INLET GIS - GRATED INLET WITH SIDE INTAKE HDPE - HIGH-DENSITY POLYETHYLENE JB - JUNCTION BOX TW - TOP OF WALL LF - LINEAR FEET - TYPICAL LT - LEFT

MH - MANHOLE

- TO BE REMOVED AND REPLACED TCE - TEMPORARY CONSTRUCTION EASEMENT - VERTICAL POINT OF CURVATURE VPI — VERTICAL POINT OF INTERSECTION VPT — VERTICAL POINT OF TANGENCY

Ø - DIAMETER ← CENTERLINE

GENERAL NOTES

TOPOGRAPHIC NOTES:

- UNDERGROUND STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.
- SITE BENCHMARK IS PK NAIL IN ASPHALT ON THE NORTH SIDE OF OLD HIGHWAY 100, ASSUMED
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

 LOCATION, RELOCATION AND CONNECTION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY
- TOPOGRAPHIC INFORMATION AS SHOWN HEREON PER FIELD WORK PERFORMED BY K.M.W. OF COCHRAN, DATED DECEMBER 2017.
- THIS DRAWING DOES NOT CONSTITUTE A BOUNDARY SURVEY.
- BASIS OF BEARING PER LA CHARRETTE SUBDIVISION AS RECORDED IN PLAT BOOK "P", PAGE 1397 THE FRANKLIN COUNTY RECORDS.
- THIS SITE LIES WITHIN "ZONE X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29071C0165D, EFFECTIVE DATE OCTOBER 18, 2011.

DESIGN NOTES:

- CONTRACTOR SHALL RELOCATE ALL EXISTING SIGNS, PLANTERS, MAILBOXES, AND PRIVATE LIGHTS AS NECESSARY FOR THE CONSTRUCTION OF THE IMPROVEMENTS. NEW LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER. SEE THE REMOVAL OF IMPROVEMENTS SECTION IN THE SPECIFICATIONS.
- CONTRACTOR SHALL ADJUST TO GRADE ALL UTILITIES NECESSARY TO BRING THE UTILITY TO THE GRADE OF THE NEW CONSTRUCTION. SEE THE UTILITY ADJUSTMENT SECTION OF THE SPECIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL POTENTIAL UTILITY CONFLICTS PRIOR TO ORDERING STORM SEWER PIPE AND STRUCTURES.
- EXISTING CULVERT PIPES, WHICH ARE UNDER DRIVEWAYS BEING REPLACED BY THE CONSTRUCTION OF IMPROVEMENTS, SHALL BE REMOVED. SEE THE REMOVAL OF IMPROVEMENTS SECTION IN THE
- ALL AREAS OF CLEARING, GRUBBING AND STRIPPING NOT SHOWN IN PLANS, CONTRACTOR SHALL CONDUCT CLEARING, GRUBBING AND STRIPPING AS NECESSARY UNLESS OTHERWISE NOTED IN PLANS.

Three shall shall

STUDY COUNTY, HYDRAULIC RANKLIN OLD

| | 4 | | | | | | | L |
|-----------------------|-----------------|-----------|-----|----------|----|------------|-----|---|
| | DWN. BY: | | | | | | | |
| ND GENERAL NOTES | DATE: REVISION: | | | | | | | |
| iEl | DИ | ٧N ک.J | BY: | | AP | PD. Γ.[| BY | L |
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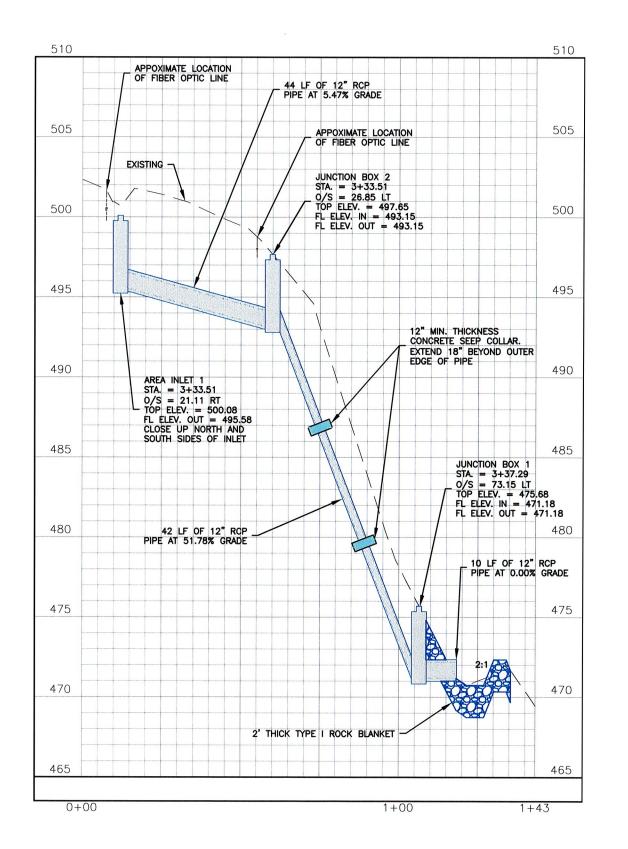
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PROJ. NO: SC17-768

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OF MISSONIA

STORM SEWER PROFILE

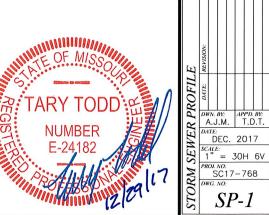




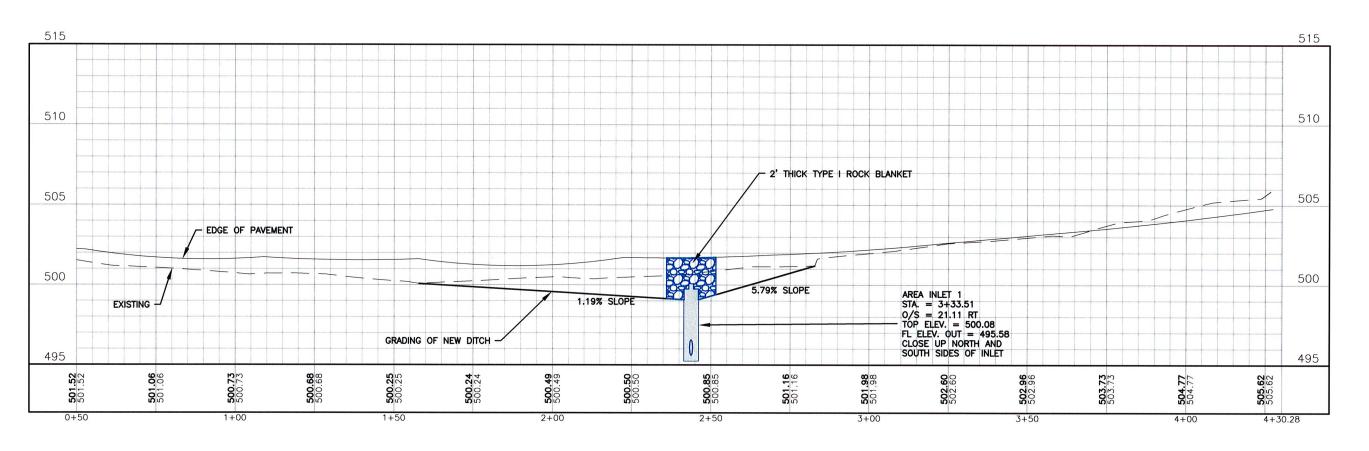
Three working days prior to the start of any excovation on this site, contractor shall call the contractor for utility location used. All OSAA utilities and IN OSAA utilities and IN OSAA utilities and the type of construction required by these plans shall be stratify followed file. Therebrino, Blastfar, etc.)

OLD HIGHWAY 100 HYDRAULIC STUDY FRANKLIN COUNTY, MO

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DRAINAGE DITCH PROFILE



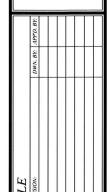
T37 RUDDER ROAD

314-842-6957 (tex)

314-842-6

as a since of a since

OLD HIGHWAY 100 HYDRAULIC STUDY FRANKLIN COUNTY, MO



DRC. NO.

DEC. 2017

SCALE:

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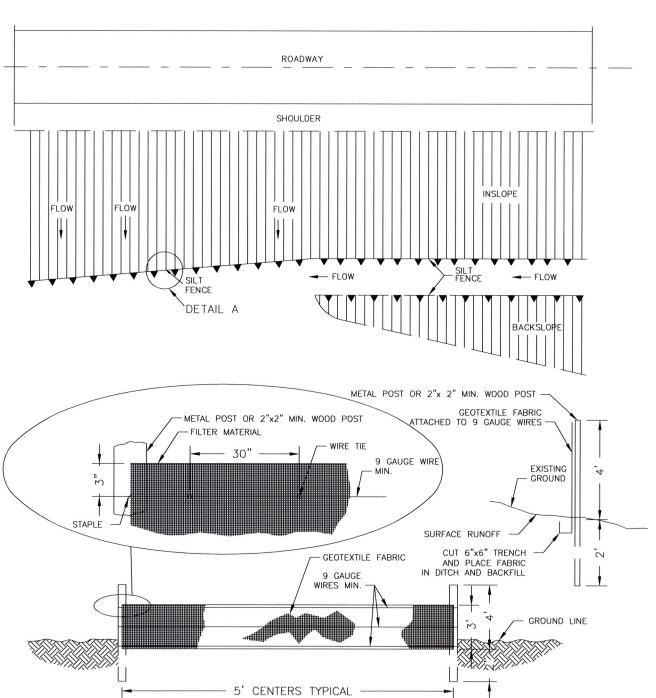
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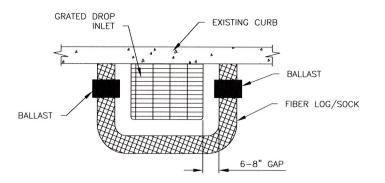
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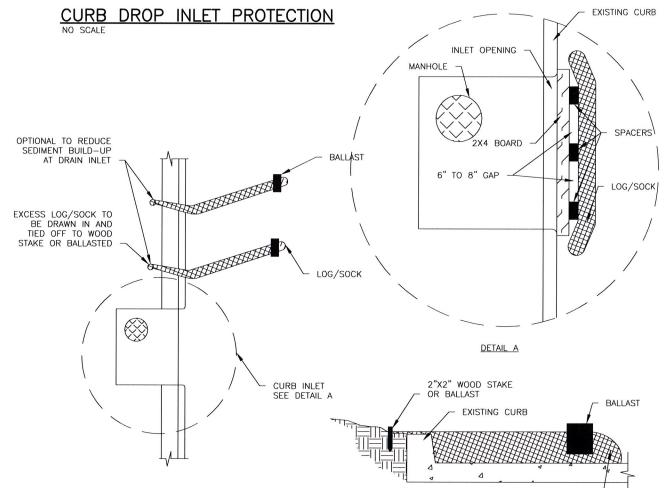
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DEC. 2017



DETAIL A SILTATION CONTROL DETAILS





CURB INLET PROTECTION
NO SCALE

GENERAL NOTES:

1. SILTATION CONTROL DEVICES TO REMAIN IN PLACE UNTIL ADEQUATE VEGETATIVE GROWTH ENSURES NO FURTHER EROSION OF THE SOIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE SILT FENCE.

SILT FENCES SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND FOR THE AMOUNT OF SEDIMENTATION WHICH HAS ACCUMULATED. REMOVAL OF SEDIMENT WILL BE REQUIRED WHEN IT REACHES 1/2 OF THE HEIGHT OF THE SILT FENCE.

ATTACHMENT OF THE GEOTEXTILE FABRIC TO BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. SILTATION CONTROL SHALL BE INSTALLED AS NEEDED OR AS DIRECTED BY THE ENGINEER TO ENSURE THAT NO SILT LEAVES THE CONSTRUCTION AREA.

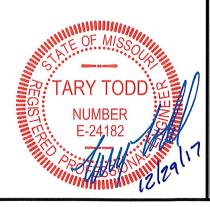
USE SILT FENCE FOR ALL SLOPES OVER 3 FEET IN HEIGHT.

FOR FABRIC SILT FENCE:

MINIMUM LONGITUDINAL SPLICE OVERLAP SHALL BE 2' WITH A POST AT EACH END.

SECURE FABRIC TO POSTS.

7. CONTRACTOR SHALL USE INLET CHECK EROSION CONTROL DEVICES TO PREVENT ANY SILT OR DEBRIS FROM ENTERING ANY NEW OR EXISTING CURB INLETS DURING CONSTRUCTION.



LOG/SOCK

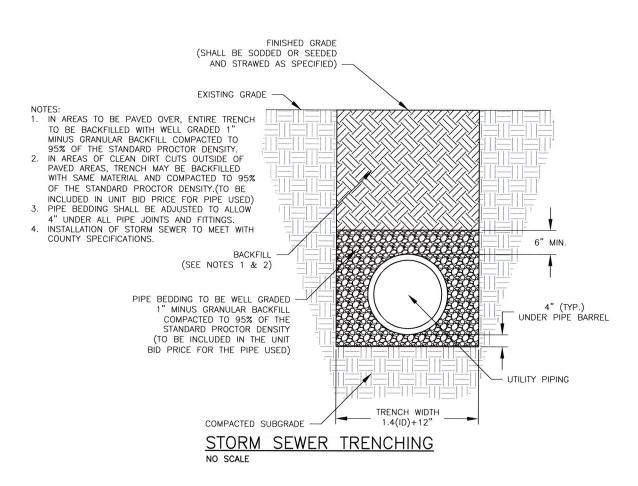
FRANKLIN COUNTY, MO HYDRAULIC STUDY OLD HIGHWAY 100

A.J.M. T.D.T. DEC. 2017 NOT TO SCALE

SC17-768

EC-1

NOTE: THIS DRAWING IS NOT TO SCALE. PLEASE FOLLOW DIMENSIONS





T37 RUDGER ROAD

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Tradion.

SHA rules & SHA rules & Construction type of construction type of the strictly followed be strictly followed.

Three working days
the start of only ason this site. control
shall call 1-800-101
information.

All OSHA rules &
regulations establish
the type of construct
required by these p

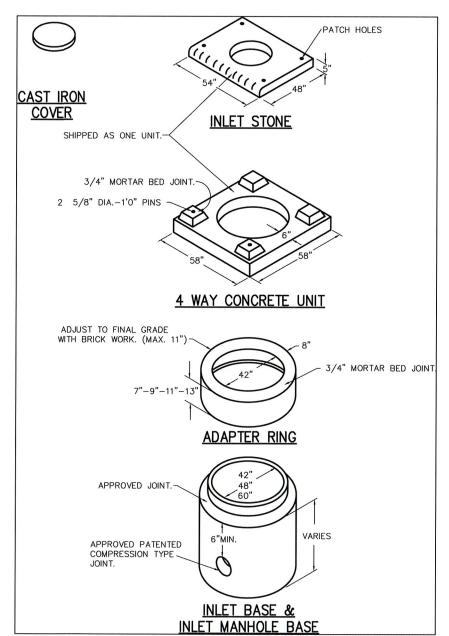
OLD HIGHWAY 100 HYDRAULIC STUDY RANKLIN COUNTY, MO

DATE: REVISION: DINN BY: APPD.

DWN.BY: APPD.BY:
A.J.M. T.D.T.
DATE:
DEC. 2017
SCALE:
NOT TO SCALE
PROLNO:
SC17-768
DWG.NO:
D-1

- SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS
- 2) RAISE TO FINAL GRADE WITH COURSES OF BRICK AND SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
- THIS UNIT TO BE USED WITH 42 INCH I.D. BASE.
- 5000 P.S.I. CONCRETE IS REQUIRED

4 WAY CONCRETE UNIT NO SCALE



AREA INLET ASSEMBLY NO SCALE



FRANKLIN COUNTY, MO HYDRAULIC STUDY OLD HIGHWAY 100

DWN. BY: APPD. BY A.J.M. T.D.T DEC. 2017 SCALE: NOT TO SCALE roj. no: SC17-768

D-2

0

SHOULDER WORK WITH MINOR ENCROACHMENT

G20-2 36"x18"

GENERAL NOTES:

- 1. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). SIZES SHOWN ARE MINIMUM SIZES.
- 2. TEMPORARY PAVEMENT MARKINGS, IF NECESSARY, SHALL BE CONSIDERED AS INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE FOR THIS ITEM.
 PAVEMENT MARKINGS SHALL BE MAINTAINED IN ACCORDANCE WITH PART VI OF THE MUTCD. INTERIM PAVEMENT MARKINGS MAY BE LEFT IN PLACE FOR SITUATIONS OF TWO WEEKS OR LESS.
- 3. CHANNELIZERS SHALL BE PLACED EVERY 25 FEET UNLESS SHOWN OTHERWISE ON THE PLANS. A MINIMUM 10 FOOT WIDE DRIVING LANE SHALL BE MAINTAINED. CHANNELIZERS SHALL BE PLACED IN OPEN TRENCH DURING NON-WORKING HOURS.
- 4. IF AN OPEN TRENCH CONDITION WILL REMAIN OPEN OVERNIGHT, "PAVEMENT EDGE TREATMENT" SHALL BE PROVIDED IN ACCORDANCE WITH MODOT STANDARD DRAWING 619.10 AND SHALL BE CONSIDERED INCIDENTAL.
- 5. ANY EXISTING SIGNS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED.
- 6. ALL SPACING AND DISTANCES ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO
- FOR SHOULDER WORK, USE A FLAGGER WHEN MOVING EQUIPMENT ON AND OFF THE ROADWAY, OTHERWISE OPTIONAL. FOR ANY LANE CLOSURE A FLAGGER IS MANDATORY.
- 8. PORTABLE STOP SIGNS WILL BE REQUIRED ON ALL APPROACHES DURING TRAFFIC SIGNAL "DOWN
- ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE PAVEMENT.

LEGEND

0

CHANNELIZERS (SAFETY CONES, BARRICADES, AND/OR PLASTIC DRUMS)

INFORMATIONAL SIGNING

AREA OF CONSTRUCTION

| | *************************************** | | | | | |
|---------|---|----------------|---------------|--------------------------------|----------------------|--|
| | TAPER LENG | NG OF CHANNEL | IZING DEVICES | | | |
| POSTED | | IM TAPER LENGT | | MAXIMUM CHANNELIZER SPACING | | |
| SPEED | | (3) | | | TURALIALI | |
| MPH (P) | 10 FT (W) | 11 FT (W) | 12 FT (W) | THROUGH TAPER | THROUGH WORK AREA | |
| 0 - 35 | 68 FT | 75 FT | 82 FT | 35 FT | 50 FT | |
| 40 - 45 | 150 FT | 165 FT | 180 FT | 40 FT | 100 FT | |
| 50 - 55 | 183 FT | 202 FT | 220 FT | 50 FT | 100 FT | |
| 60 - 70 | 233 FT | 257 FT | 280 FT | 60 FT | 100 FT | |

| SIGN SPACING FOR ADVANCE SIGNS (1) (2) | | | | |
|--|---|-------------------------|--|--|
| POSTED SPEED MPH (P) | NON-DIVIDED HIGHWAYS (S) | DIVIDED HIGHWAYS (S) | | |
| 0 - 35 | 200 FT | 200 FT | | |
| 40 - 45 | 350 FT | 500 FT | | |
| 50 - 55 | 500 FT | 1000 FT | | |
| 60 - 70 | SA - 1000 FT, SB - 1500 FT SC - 2640 | | | |

W21 - 5

36"x36"

W20-1

유*

** SEE TABLE

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) FOR OTHER WIDTHS NOT SHOWN, L=(WP)/3 FOR 40 MPH OR MORE AND L= $((WP^2)/60)/3$ FOR 35 MPH OR LESS.



HYDRAULIC STUDY *OLD HIGHWAY 100*

A.J.M. T.D.T DEC. 2017 NOT TO SCALE

SC17-768

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> R * S

W20-7a 36"x36"

W20 - 436"x36" ** SEE TABLE FOR SPACING W20-1

36"x36"

LANE CLOSURE ON A MINOR STREET

0

G20-2

36"x18"

- 1. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). SIZES SHOWN ARE MINIMUM SIZES.
- 2. TEMPORARY PAVEMENT MARKINGS, IF NECESSARY, SHALL BE CONSIDERED AS INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE FOR THIS ITEM. PAVEMENT MARKINGS SHALL BE MAINTAINED IN ACCORDANCE WITH PART VI OF THE MUTCD INTERIM PAVEMENT MARKINGS MAY BE LEFT IN PLACE FOR SITUATIONS OF TWO WEEKS OR LESS.
- 3. CHANNELIZERS SHALL BE PLACED EVERY 25 FEET UNLESS SHOWN OTHERWISE ON THE PLANS. A MINIMUM 10 FOOT WIDE DRIVING LANE SHALL BE MAINTAINED. CHANNELIZERS SHALL BE PLACED IN OPEN TRENCH DURING NON-WORKING HOURS.
- 4. IF AN OPEN TRENCH CONDITION WILL REMAIN OPEN OVERNIGHT, "PAVEMENT EDGE TREATMENT" SHALL BE PROVIDED IN ACCORDANCE WITH MODOT STANDARD DRAWING 619.10 AND SHALL BE
- 5. ANY EXISTING SIGNS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED.
- 6. ALL SPACING AND DISTANCES ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
- 7. FOR SHOULDER WORK, USE A FLAGGER WHEN MOVING EQUIPMENT ON AND OFF THE ROADWAY, OTHERWISE OPTIONAL. FOR ANY LANE CLOSURE A FLAGGER IS MANDATORY.
- 8. PORTABLE STOP SIGNS WILL BE REQUIRED ON ALL APPROACHES DURING TRAFFIC SIGNAL "DOWN
- 9. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE
- 10. WHEN A LANE IS SHUT DOWN THE CONTRACTOR SHALL PROVIDE FOR ONE LANE TWO WAY TRAFFIC WITH A FLAGGER OR TEMPORARY TRAFFIC SIGNALS PRESENT. IN THE EVENT ONE LANE TRAFFIC IS TO REMAIN WHILE THE CONTRACTOR IS NOT ON SITE, TEMPORARY TRAFFIC SIGNALS SHALL BE USED TO CONTROL THE FLOW OF TRAFFIC.
- 11. SIZE OF BUFFER SPACE VARIES BASED ON CONSTRUCTION REQUIREMENTS.

LEGEND

0 \boxtimes CHANNELIZERS (SAFETY CONES, BARRICADES, AND/OR PLASTIC DRUMS)

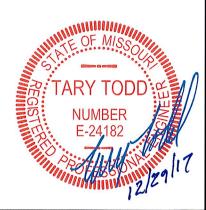
INFORMATIONAL SIGNING

FLAGGER OR TEMPORARY TRAFFIC SIGNAL

AREA OF CONSTRUCTION

| SIGN SPACING FOR ADVANCE SIGNS (1) (2) | | | | | |
|--|-----------------------------|-------------------------|--|--|--|
| POSTED SPEED MPH (P) | NON-DIVIDED HIGHWAYS (S) | DIVIDED HIGHWAYS (S) | | | |
| 0 - 35 | 200 FT | 200 FT | | | |
| 40 - 45 | 350 FT | 500 FT | | | |
| 50 - 55 | 500 FT | 1000 FT | | | |
| 60 - 70 | SA - 1000 FT, SB - 1500 FT | | | | |

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD



HYDRAULIC STUDY *OLD HIGHWAY 100*

A.J.M. T.D.T DEC. 2017

NOT TO SCALE

PROJ. NO: SC17-653