



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

December 10, 2013

CALL NO. 307
CONTRACT ID NO. 131081
ADDENDUM # 1

Subject: Oldham County, FD04 SPP 093 NEW ROUTE
Letting December 13, 2013

- (1) Revised - Plan Sheets - R1 & R2E
- (2) Added- Plan Sheets - R35A, U1, U1A, U2, U3, U4, U5, U6, U7, U8, & U9
- (3) Revised - Front Sheet of Proposal
- (4) Revised - Completion Date - Page 4 of 137

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Acting Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

FILE NAME: \\FRANK\PROJ\PROJ\0631\0006 OLDHAM COUNTY OVERPASS-UNDERPASS\01 OVERPASS\PLAN SET 02\000000\0.S.DGN

USER: rcollins
DATE PLOTTED: 10-Dec-2013 09:56
E-SHEET NAME: R001000\0.S

MicroStation v8.11.7.180

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R14	PLAN AND PROFILE SHEETS
R15	UTILITY REFERENCE SHEETS
R16	RIGHT OF WAY SUMMARY SHEETS
R17 - R34	RIGHT OF WAY STRIP MAP SHEETS
R35 - R43	DETAIL SHEETS
R44 - R49	TRAFFIC CONTROL SHEETS
	EROSION CONTROL SHEETS
	MITIGATION PLAN SHEETS
R50 - R52	COORDINATE CONTROL SHEETS
R53 - R61	SOIL PROFILE SHEETS
R62 - R69	PIPE DRAINAGE SHEETS
S	STRUCTURE PLANS
T	TRAFFIC PLANS
U	UTILITY RELOCATION PLANS
X1 - X40	CROSS SECTION SHEETS
TOTAL SHEETS = 109	
SHEETS NOT INCLUDED IN TOTAL SHEETS	
R2g, R2b, R2c, R2d, R2e, R2f, R2g, R2h, R35a	

STANDARD DRAWINGS		
NUMBER		
RBC-001-10	RDB-272-06	RDX-230
RBC-002-02	RDB-273-05	RGX-001-06
RBE-060-13	RDB-400-04	RGX-001-05
RBI-001-10	RDB-410-05	RGX-010-03
RBI-002-06	RDB-420-04	RGX-100-05
RBR-010-05	RDD-040-04	RGX-105-07
RBR-016-04	RDI-001-09	RGX-200
RBR-035-10	RDI-002-04	RPM-100-09
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RDB-105-05	RDP-006-03	TTC-135-01
RDB-106-04	RDP-010-08	TPM-100-02
RDB-270-08	RDX-001-05	TTD-110-01
RDB-271-04	RDX-002-03	TPM-115-02
	RDX-210-02	TOTAL = 49

SEPIAS	
NUMBER	DESCRIPTION
002	DELINEATORS FOR GUARDRAIL
003	TREATMENT OF OPEN SINKHOLES
004	DELINEATORS FOR CONCRETE BARRIERS
005	RIGHT-OF-WAY MONUMENTS
007	GUARDRAIL END TREATMENT TYPE 2A
008	GUARDRAIL COMPONENTS
009	CRASH CUSHION TYPE VI-BT
012	STEEL BEAM GUARDRAIL ("W" BEAM)
013	GUARDRAIL POSTS
014	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A AND A-1 COMPONENTS
015	GUARDRAIL CONNECTOR TO CONCRETE MEDIAN BARRIER END
016	SILT TRAP TYPE B

DESIGN CRITERIA	
CLASS OF HIGHWAY	Urban Arterial
TYPE OF TERRAIN	Rolling
DESIGN SPEED	45 mph
REQUIRED NPSD	360'
REQUIRED PSD	N/A
LEVEL OF SERVICE	C
ADT PRESENT (2010)	4,200
ADT FUTURE (2030)	24,000
DHV	2,400
D %	50/50
T %	15
GEOGRAPHIC COORDINATES	
LATITUDE	<u>38</u> DEGREES <u>23</u> MINUTES <u>20</u> SECONDS NORTH
LONGITUDE	<u>85</u> DEGREES <u>23</u> MINUTES <u>32</u> SECONDS WEST
DESIGNED	
% RESTRICTED SD	N/A
LEVEL OF SERVICE	C
MAX. DISTANCE W/O PASSING	N/A

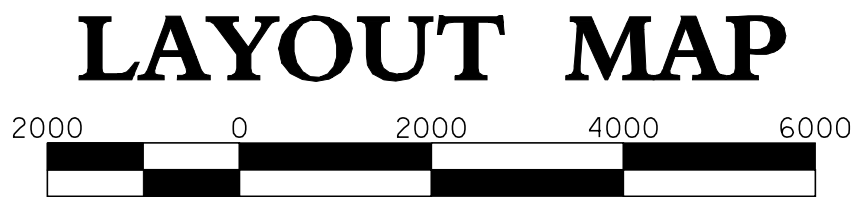
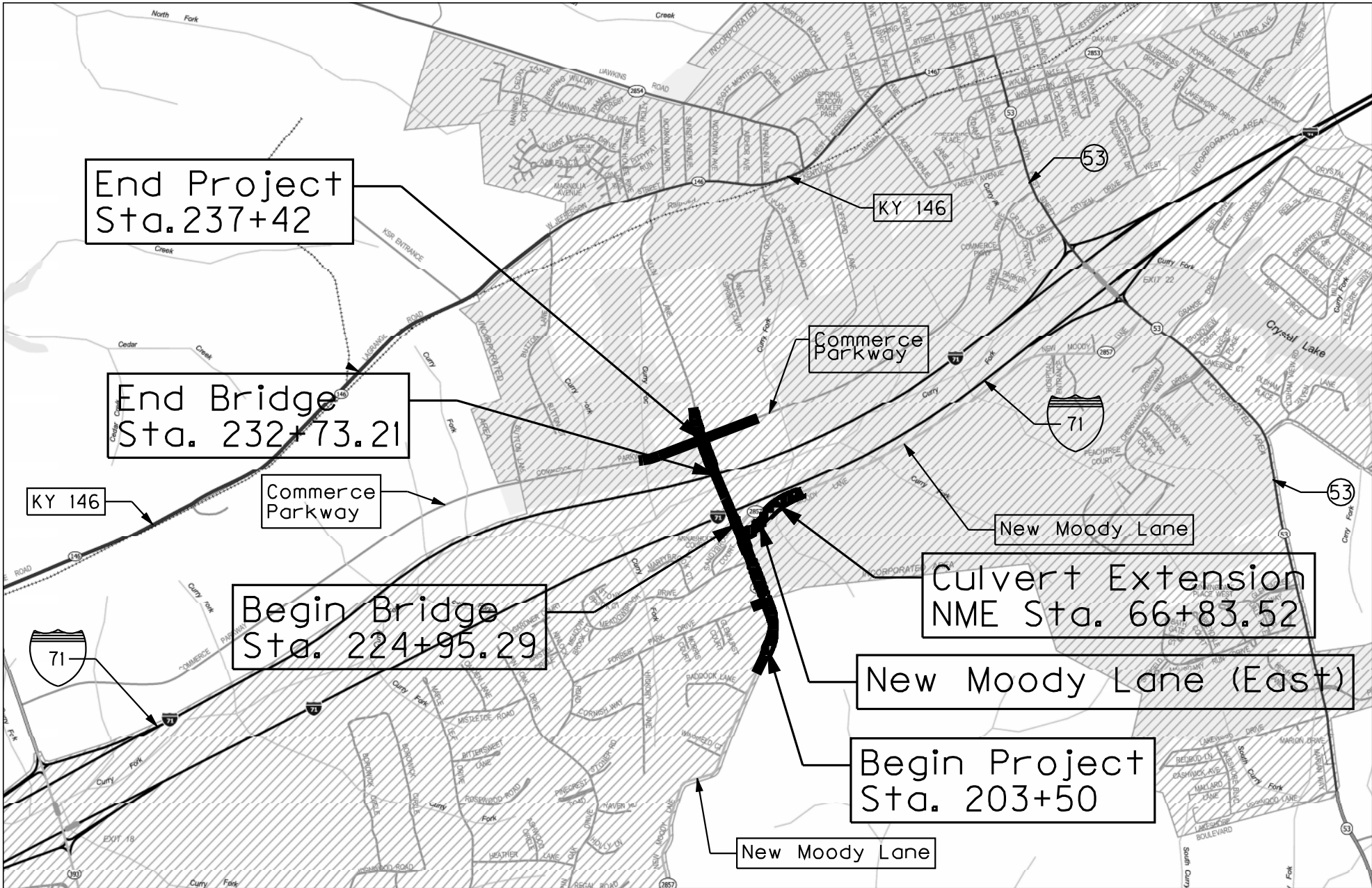
MAINLINE		NEW MOODY LANE (EAST)		COMMERCE PARKWAY	
LENGTH <u>3392</u>	LIN. FT. <u>0.642</u> MILES	LENGTH <u>1117</u>	LIN. FT. <u>0.212</u> MILES	LENGTH <u>281</u>	LIN. FT. <u>0.053</u> MILES
ADDED ☐ DEDUCTED ☐	FOR EQUALITIES ☐ NOT INCLUDED ☐	ADDED ☐ DEDUCTED ☐	FOR EQUALITIES ☐ NOT INCLUDED ☐	ADDED ☐ DEDUCTED ☐	FOR EQUALITIES ☐ NOT INCLUDED ☐
RAILROAD CROSSINGS NO. _____	LIN. FT. _____	RAILROAD CROSSINGS NO. _____	LIN. FT. _____	RAILROAD CROSSINGS NO. _____	LIN. FT. _____
BRIDGES <u>778</u>	LIN. FT. _____	BRIDGES _____	LIN. FT. _____	BRIDGES _____	LIN. FT. _____

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

OLDHAM

Overpass over I-71
New Moody Lane to Commerce Parkway
GRADE, DRAIN and SURFACE
FD04 SPP 093 New Route



Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
OLDHAM

ITEM NO. 5-8201.00
PROJECT NUMBER: FD04 SPP 093 NEW ROUTE
LETTING DATE: _____
RECOMMENDED BY: _____ PROJECT MANAGER DATE: _____
PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____

DLZ
KENTUCKY, INC.
201 BRIGHTON PARK BLVD.
FRANKFORT, KENTUCKY 40601
(502) 695-2300



Michael S. Draper

THE CONTROL OF ACCESS ON THIS
PROJECT SHALL BE BY PERMIT

THIS PROJECT IS OFF THE NH SYSTEM



FILE NAME: \\FRANK\PROJ\PROJ\0631\0006 OLDHAM COUNTY OVERPASS-UNDERPASS\01 OVERPASS\PLAN SET 02\000000\0.S.DGN

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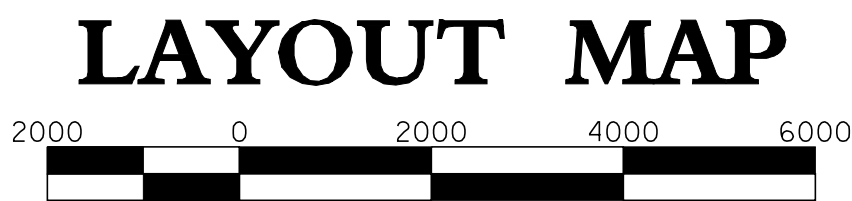
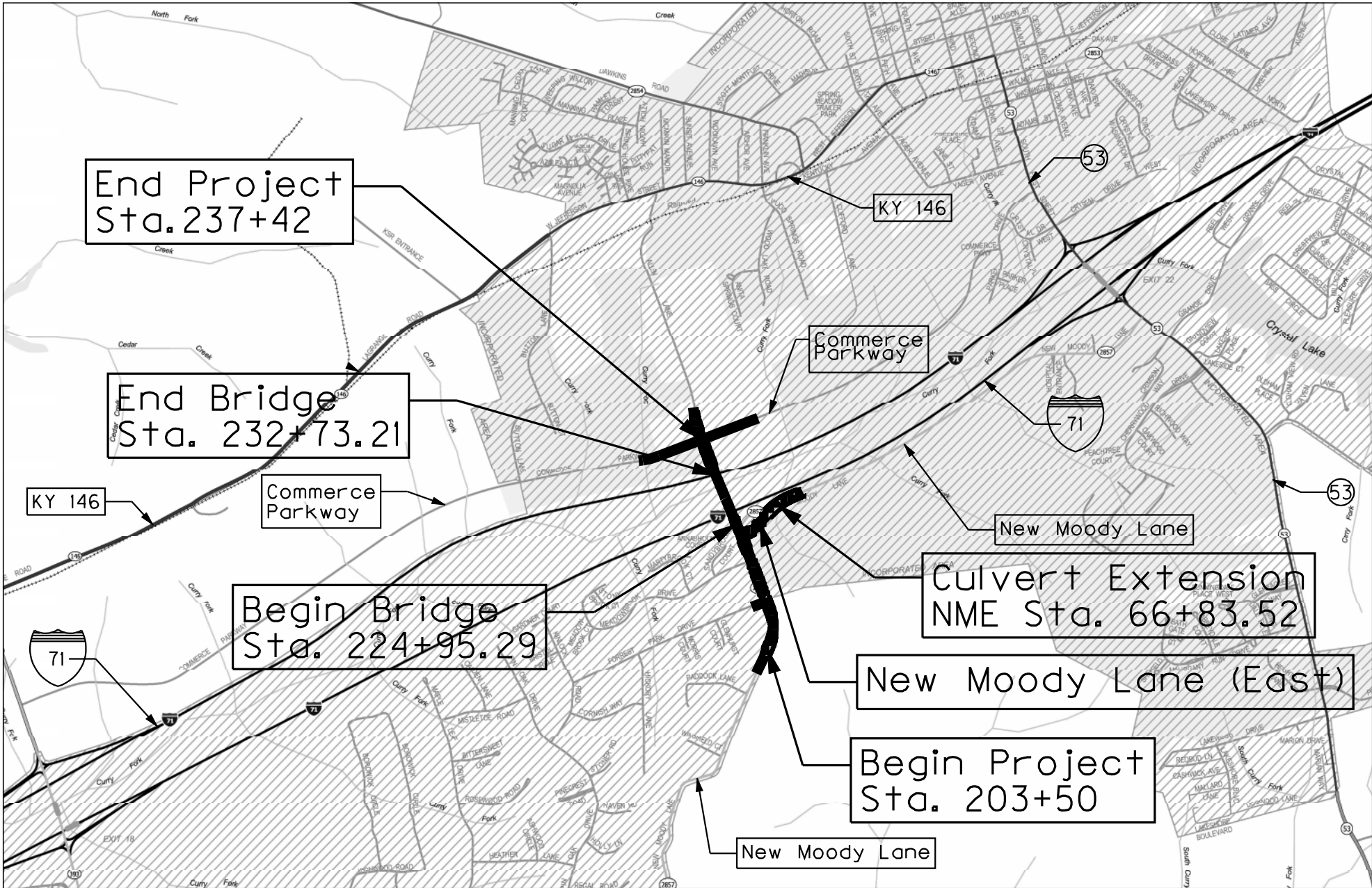
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Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

OLDHAM

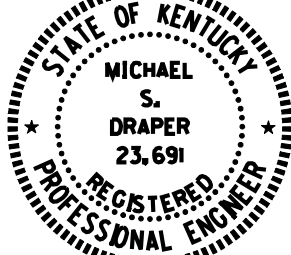
Overpass over I-71
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GRADE, DRAIN and SURFACE
FD04 SPP 093 New Route



Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
OLDHAM

ITEM NO. 5-8201.00
PROJECT NUMBER: FD04 SPP 093 NEW ROUTE
LETTING DATE: _____
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PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____

DLZ
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201 BRIGHTON PARK BLVD.
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COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-8201.00	RI

REVISED 12-10-13

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-8201.00	R2e

ITEM	DESCRIPTION	UNIT	Project Total
02230	EMBANKMENT IN PLACE ① ② ⑧	CUYD	107091
02545	CLEARING AND GRUBBING ③	LS	1
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	2462.5
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	2
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	2
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	2
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	2
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	2
08900	CRASH CUSHION TY VI CLASS B TL2	EACH	5
02562	SIGNS	SOFT	413
02650	MAINTAIN & CONTROL TRAFFIC	LS	1
02014	BARRICADE-TYPE III	EACH	9
03171	CONCRETE BARRIER WALL TYPE 9T	LF	1455
02720	SIDEWALK-4 INCH CONCRETE ⑦	SOYD	2563
01811	STANDARD CURB AND GUTTER MODIFIED	LF	3255
02704	SILT TRAP TYPE B	EACH	17
02707	CLEAN SILT TRAP TYPE B	EACH	51
02705	SILT TRAP TYPE C	EACH	33
02708	CLEAN SILT TRAP TYPE C	EACH	99
02701	TEMPORARY SILT FENCE	LF	1565
02709	CLEAN TEMPORARY SILT FENCE	LF	3130
02159	TEMPORARY DITCH	LF	4823
05952	TEMPORARY MULCH	SOYD	77585
05985	SEEDING AND PROTECTION	SOYD	77585
05966	TOPDRESSING FERTILIZER	TON	4.0
05950	EROSION CONTROL BLANKET	SOYD	472
05990	SODDING	SOYD	2105
02483	CHANNEL LINING CLASS II ④	TON	1561
01063	STEEL ENCASEMENT PIPE-6 IN	LF	50
02091	REMOVE PAVEMENT	SOYD	2457
02585	EDGE KEY	LF	86
20209EP69	GRANULAR PILE CORE	CUYD	1000
20602EC	LIGHTWEIGHT FILL	CUYD	181
00078	CRUSHED AGGREGATE SIZE NO 2	TON	2651
02599	FABRIC-GEOTEXTILE TYPE IV	SOYD	8291
06510	PAVE STRIPING-TEMP PAINT-4 IN	LF	4812
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	19621
06517	PAVE STRIPING-PERM PAINT-12 IN ⑤	LF	218
06568	PAVE MARKING, THERMOPLASTIC STOP BAR, SIZE 24"	LF	31
06591	PAVEMENT MARKER TYPE V-BY	EACH	118
02267	REMOVE & RESET FENCE	LF	275
02726	STAKING	LS	1
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	28
02432	WITNESS POST	EACH	3
23158ES505	DETECTABLE WARNINGS	SOFT	166
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	1
02242	WATER ⑥	MGAL	528
02469	CLEAN SINKHOLE	EACH	4
02471	FILL AND CAP SINKHOLE	EACH	4
02223	GRANULAR EMBANKMENT	CUYD	493
21341ND	BOLLARDS	EACH	5
01982	DELINEATOR FOR GUARDRAIL M/W	EACH	4
01984	DELINEATOR FOR BARRIER WALL-M/W	EACH	18

[illegible]

NOTES:

- ① INCLUDES:
8,500 C.Y. FROM TRANSVERSE BENCHING
(APPROXIMATE)
3,310 C.Y. FROM EMBANKMENT BENCHING
- ② ESTIMATED MATERIAL REQUIRED FOR CONSTRUCTION
OF EMBANKMENT NORTH OF I-71 IS 34,229 CU. YD.
- ③ APPROXIMATELY 16.03 ACRES
- ④ INCLUDES 45 TON FROM PIPE SUMMARY
- ⑤ ESTIMATED FOR FLUSH MEDIAN STRIPING,
CROSSWALKS, LANE DIAGONALS, CHEVRON
- ⑥ FOR CONTROLLING DUST CAUSED BY MAINTAINING
TRAFFIC ONLY
- ⑦ INCLUDES 181 S.Y. FOR SIDEWALK RAMP TYPE I
- ⑧ In accordance with the Kentucky Standard
Specifications for Road and Bridge Construction
Section 206.04.02 Special Excavation:
The Department will not measure overhaul of
material and will consider it incidental to
Special Excavation.

COM	9,171	C.Y.
EMB BENCHING	3,310	C.Y.
DITCH	2,387	C.Y.
TRANSVERSE BENCHING	8,500	C.Y.
PIPE SUMMARY	59	C.Y.
TOTAL EXC.	23,427	C.Y.
EMB	95,281	C.Y.
EMB BENCHING	3,310	C.Y.
TRANSVERSE BENCHING	8,500	C.Y.
TOTAL EMB	107,091	C.Y.
TOTAL EXCESS (EMB.)	83,664	C.Y.

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-8201.00	R2e

NOTES:

- ⑧ In accordance with the Kentucky Standard Specifications for Road and Bridge Construction Section 206.04.02 Special Excavation: The Department will not measure overhaul of material and will consider it incidental to Special Excavation.

[illegible]

GENERAL SUMMARY SHEET

MAINTENANCE OF TRAFFIC CONSTRUCTION ACCESS (OUTSIDE TO INSIDE)

NOTE:
THE CONTRACTOR WILL INSTALL ONE PORTABLE CHANGEABLE MESSAGE SIGN (3 LINE)
IN ADVANCE OF THE ACCESS OPENING. THE SIGN WILL DISPLAY THE FOLLOWING
MESSAGE AT ALL TIMES THAT THE ACCESS OPENING IS IN USE: "CAUTION
CONSTRUCTION TRAFFIC ENTERING AND EXITING LEFT LANE".

THE PROPOSED LOCATION OF THE ACCESS OPENING AND THE POSITION OF THE
PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE SUBMITTED TO THE ENGINEER FOR
APPROVAL 3 WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE
ACCESS OPENING.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND REMOVE THE TEMPORARY CONCRETE
BARRIER WALLS AS SHOWN IN THESE PLANS OR AS DIRECTED BY THE ENGINEER.

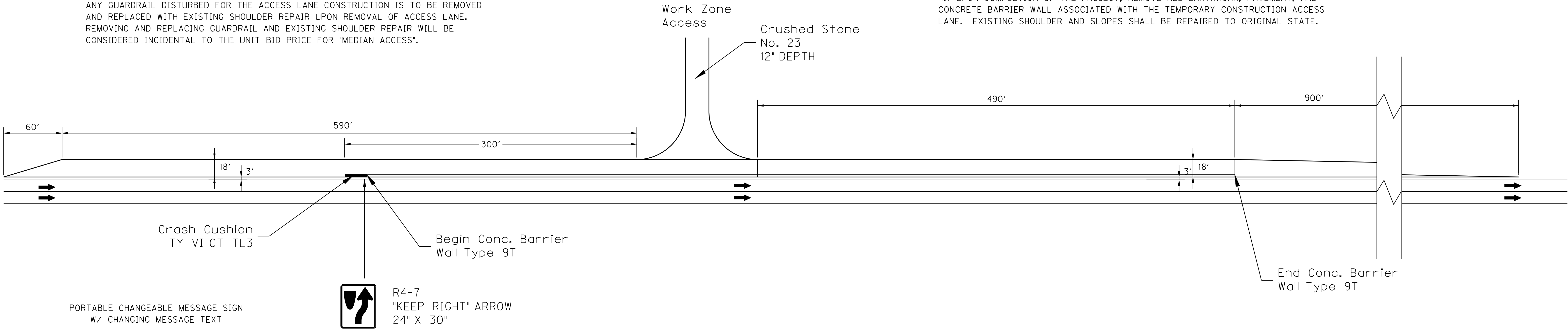
THE PAVEMENT FOR THE ACCESS LANE IS TEMPORARY PAVEMENT WITH AN ACCESS POINT
CONSTRUCTED OF CRUSHED STONE. ALL MATERIALS, LABOR , AND INCIDENTALS
ASSOCIATED WITH THE CONSTRUCTION ACCESS SHOULD BE INCLUDED IN THE UNIT
PRICE BID FOR "MEDIAN ACCESS".

I-71 IS TO REMAIN FREE OF MUD, DUST, AND DEBRIS. ANY MEASURES REQUIRED TO
KEEP I-71 CLEAN IS CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR "MEDIAN
ACCESS".

ANY GUARDRAIL DISTURBED FOR THE ACCESS LANE CONSTRUCTION IS TO BE REMOVED
AND REPLACED WITH EXISTING SHOULDER REPAIR UPON REMOVAL OF ACCESS LANE.
REMOVING AND REPLACING GUARDRAIL AND EXISTING SHOULDER REPAIR WILL BE
CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR "MEDIAN ACCESS".

CONSTRUCTION SEQUENCE

- 1.) CLOSE I-71 INSIDE SHOULDER UTILIZING "SHOULDER CLOSURE ONE-WAY
HIGHWAY" (TTC-135-01).
- 2.) CONSTRUCT TEMPORARY EARTHWORK AND PAVEMENT FOR CONSTRUCTION ACCESS
LANE WIDENING.
- 3.) INSTALL TEMPORARY CONCRETE BARRIER WALL TYPE 9T AS SHOWN ON THE
TEMPORARY PAVEMENT WITH ONE CRASH CUSHION TYPE VI BT TL3 ON THE UPSTREAM
END OF THE BARRIER. INCLUDE "KEEP RIGHT" ARROW SIGN AS INDICATED.
- 4.) UPON COMPLETION OF THE PROJECT, REMOVE ALL EARTHWORK, PAVEMENT, AND
CONCRETE BARRIER WALL ASSOCIATED WITH THE TEMPORARY CONSTRUCTION ACCESS
LANE. EXISTING SHOULDER AND SLOPES SHALL BE REPAIRED TO ORIGINAL STATE.



PORTABLE CHANGEABLE MESSAGE SIGN
W/ CHANGING MESSAGE TEXT

LOCATE 300 FEET UPSTREAM
OF DECELERATION LANE

CAUTION
CONSTRUCTION
TRAFFIC

MESSAGE 1

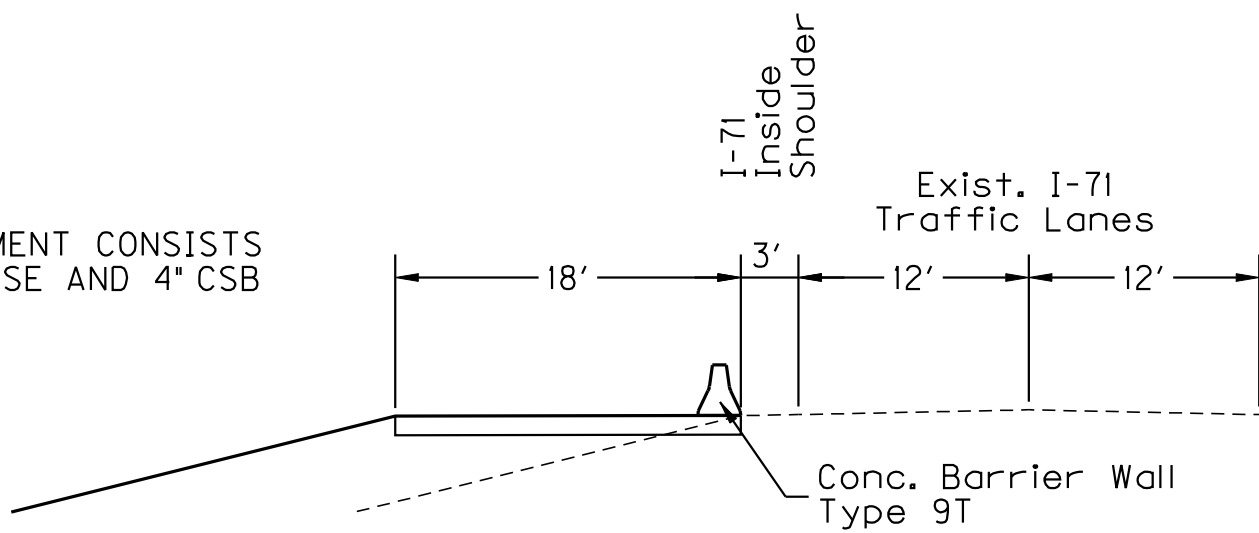
ENTERING
AND EXITING
LEFT LANE

MESSAGE 2



R4-7
"KEEP RIGHT" ARROW
24" X 30"

TEMPORARY PAVEMENT CONSISTS
OF 8" ASPHALT BASE AND 4" CSB



Construction Access
Typical Section

SCALE: 1"=N/A

TEMPORARY TRAFFIC CONTROL
CONSTRUCTION ACCESS DETAIL

FILE NAME: M:\PROJ\0631\0006 OLDHAM COUNTY OVERPASS-UNDERPASS\01 OVERPASS\PLAN SET 02\RD0000LS.DGN
USER: lboller
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
MicroStation v8.11.7.180

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
U1	COVER SHEET
U2	PLAN - STA. 220+00 - STA. 235+00
U3	PLAN - COMMERCE PARKWAY STA. 46+38 - STA. 49+19
U4	CROSS SECTION - STA. 233+50 - STA. 234+00
U5	MASTER METER VAULT DETAIL
U6	WATER LINE DETAILS
U7	FORCE MAIN DETAILS
U8	EROSION CONTROL DETAILS
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Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT

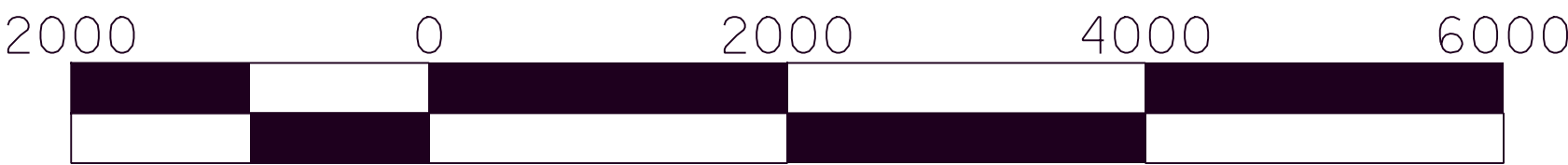
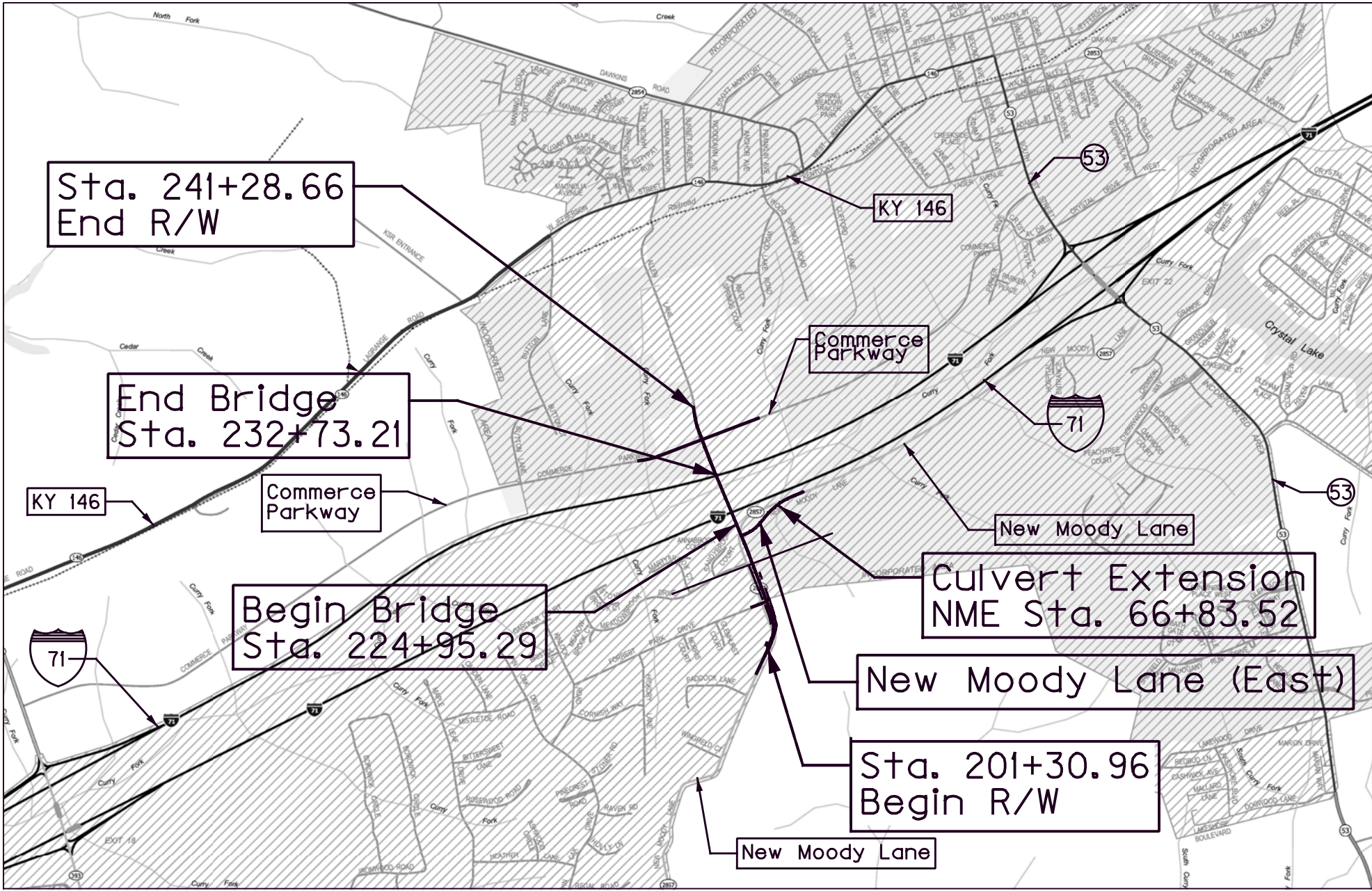
LA GRANGE UTILITIES COMMISSION

Overpass over I-71
New Moody Lane to Commerce Parkway
Water and Sewer Utility Relocation



REGULATORY REVIEW SET
DECEMBER, 2013

WATER AND SEWER
CONSTRUCTION
ONLY



LAYOUT MAP



engineering | architecture | geospatial
GRW Engineers, Inc.

DECEMBER, 2013

GRW PROJECT NO. 4213

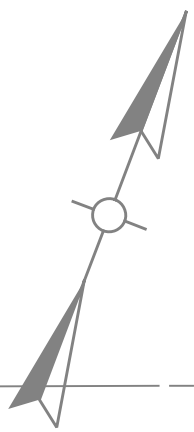
COVER SHEET

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

Sta. 224+70 to Sta. 225+00, Lt.
Const. 2' F.B. Ditch with
113 S.Y. Sodding

```
USER: $$$USER$$$
DATE: $$$DATE$$$
FILE NAME: $$$design
E-SHEET NAME:
```



BEARINGS & DIST.		
①	S 74° 51' 55" W	103.01'
②	S 74° 55' 41" W	138.03'
③	S 21° 53' 14" E	181.39'
④	S 21° 53' 14" E	31.25'
⑤	N 72° 01' 45" E	15.47'
⑥	N 22° 13' 50" W	414.17'
⑦	S 19° 11' 32" E	196.59'
⑧	N 69° 05' 24" E	51.33'
⑨	N 69° 05' 24" E	99.91'
⑩	S 35° 57' 59" E	57.06'

PI = 240+18.59
R = 1040.00'
L = 219.84'
Se = N.C.
Delta = 12° 06' 40" Rt.
T = 110.33'
E = 5.84'

55+00

PT 241+28.10
MILLENIUM CAPITAL, LLP

Sta. 49+19
End Constr.

Sta. 46+38
Begin Constr.

Sta. 50+00.00 Commerce Prkwy. =
Sta. 237+54.83 I-71 Overpass

STA. 51+76
INSTALL MASTER
METER VAULT
(SEE SHEET U4)

PROPOSED 4" DRAIN LINE
(DRAIN TO DAYLIGHT)

STA. 52+04
DRY CONNECT
CONNECT TO EXISTING
12" WATER MAIN CUT IN
1 - 12" 45° BEND
1 - 12" X 6" REDUCER
1 - 12" GATE VALVE AND BOX

PROPOSED 12"
PVC WATER MAIN

STA. 51+50
CONNECT TO EXISTING
10" GATE VALVE
INSTALL 1 - 10" X 6" REDUCER
AND 6" PVC PIPING

PI = 233+75.74
R = 6000.00'
L = 206.89'
Se = NC
Delta = 1° 58' 32"
T = 103.45'
E = 0.89'

PROPOSED 6"
FORCE MAIN

STA. 232+73
DRY CONNECT
CONNECT TO EXISTING
6" FORCE MAIN CUT IN
1 - 6" 45° BEND

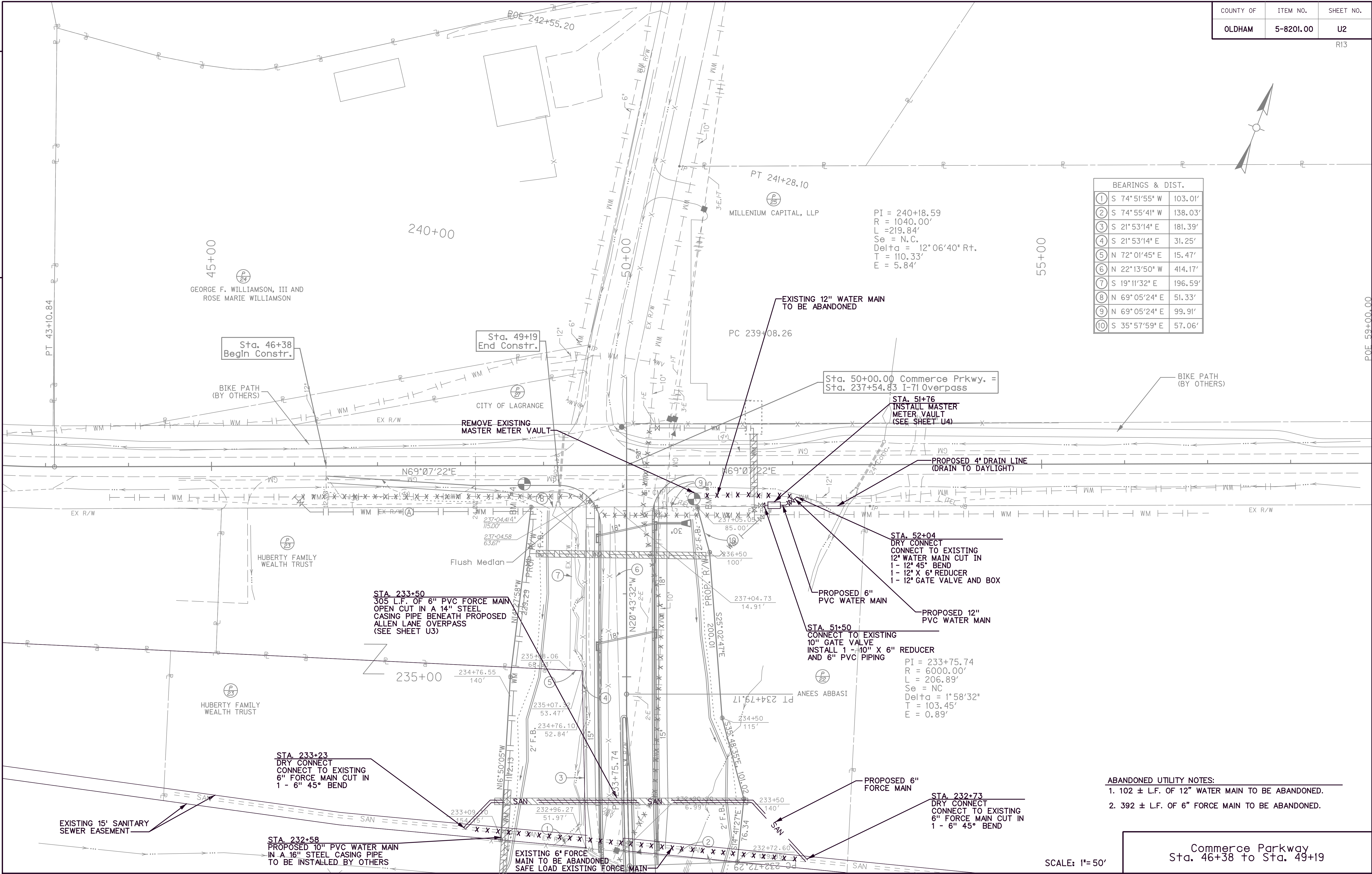
- ABANDONED UTILITY NOTES:
1. 102 ± L.F. OF 12" WATER MAIN TO BE ABANDONED.
 2. 392 ± L.F. OF 6" FORCE MAIN TO BE ABANDONED.

Commerce Parkway
Sta. 46+38 to Sta. 49+19

SCALE: 1"=50'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

USER: \$\$\$USER\$\$\$
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E-SHEET NAME:

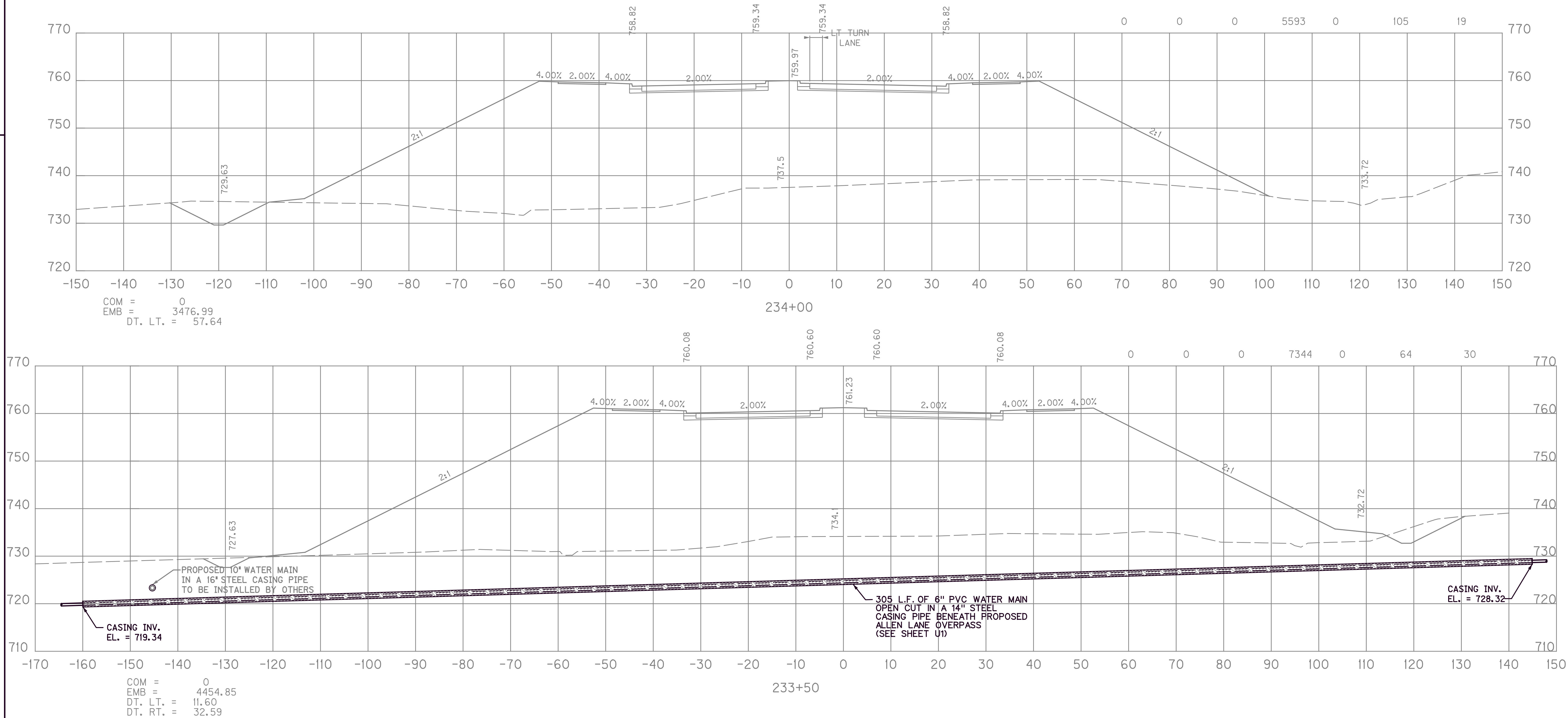


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PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-8201.00	U3

COM ROCK RRB EMB BENCH DT. LT. DT. RT. X22



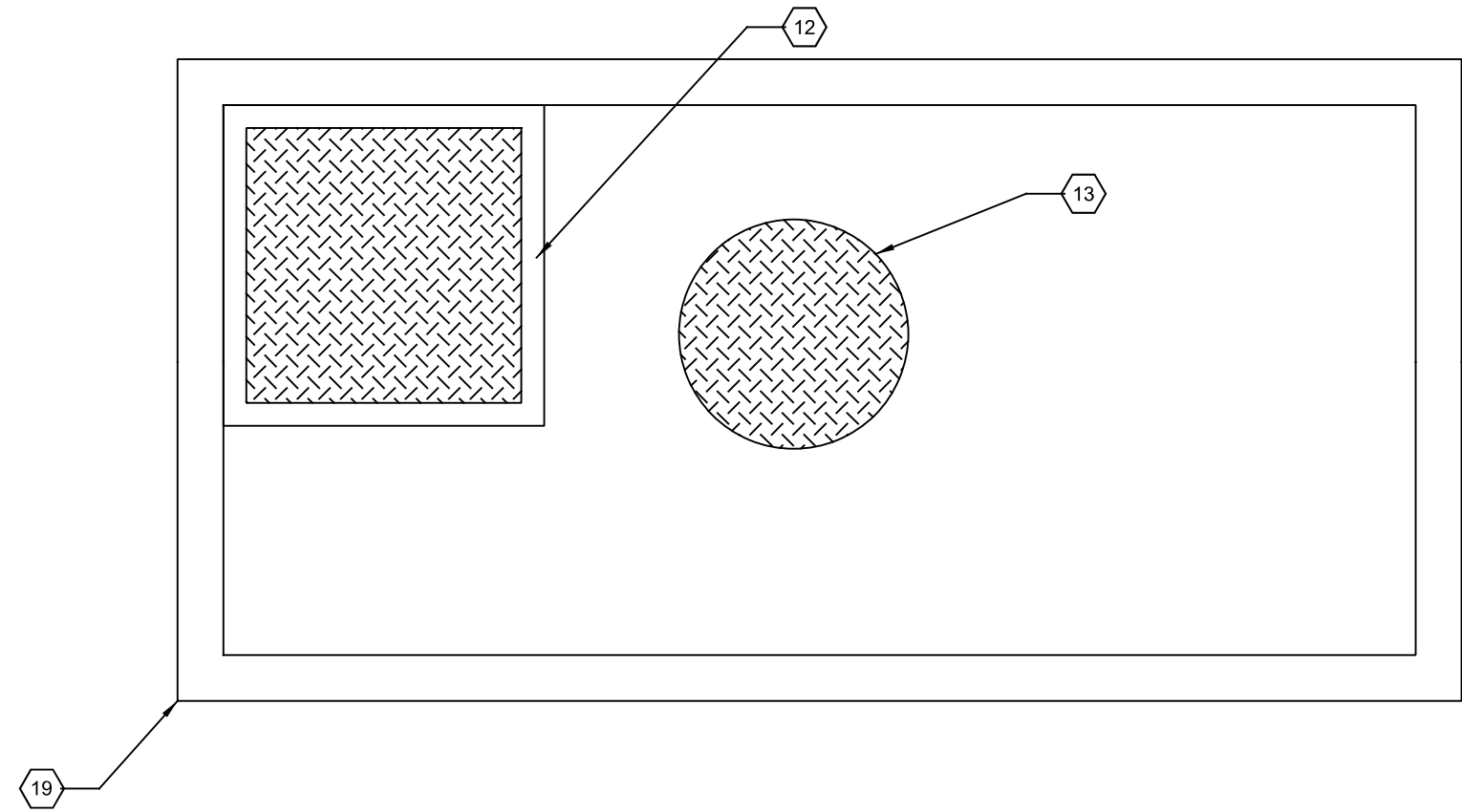
GENERAL CONSTRUCTION NOTES:

1. THE LOCATIONS OF THE EXISTING UTILITIES ARE SHOWN TO THE BEST INFORMATION AVAILABLE. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL WORK WITH THE LOCAL UTILITY COMPANIES TO VERIFY LOCATIONS AND DEPTHS (BY PROBING, EXCAVATION AND/OR VACUUM EXCAVATION) OF THE EXISTING UTILITY LINES. THIS WORK IS NOT A PAY ITEM.
2. CONTRACTOR SHALL NOTE THAT THE CONSTRUCTION OF THE NEW WATER MAIN WILL BE PERFORMED IN CLOSE PROXIMITY TO OTHER ACTIVE UTILITIES, BOTH ABOVE AND BELOW GRADE. THE CONTRACTOR SHALL INCLUDE IN HIS PAY ITEM ANY ASSOCIATED COST FOR WORKING AROUND OTHER UTILITIES. THIS SHALL INCLUDE ANY COST FOR LOSS IN PRODUCTION, TEMPORARY SUPPORTS, TEMPORARY BRACING AND/OR THE USE OF TRENCH BOXES. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OTHER UTILITIES AS REQUIRED.

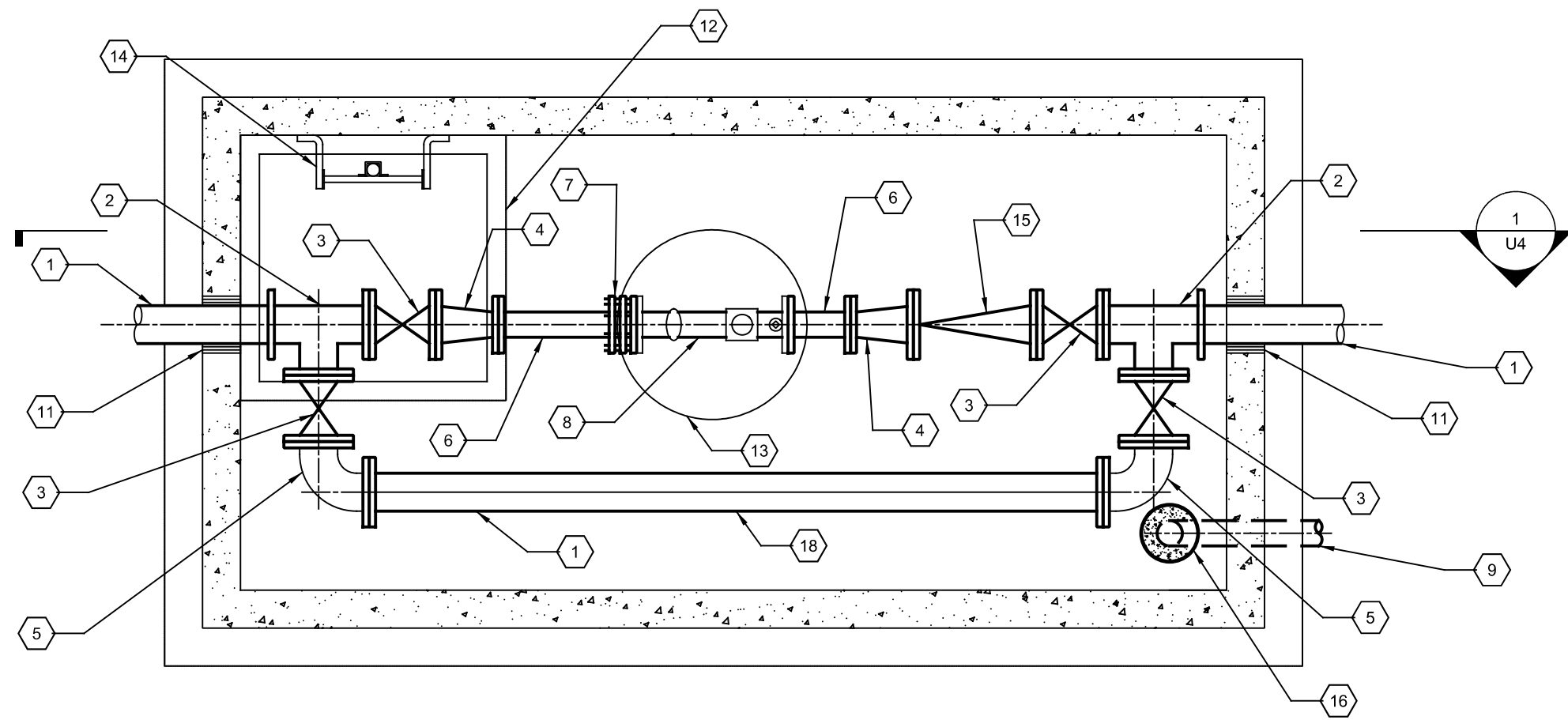
SCALE: 1"=10'

STA.233+50 TO STA.234+00

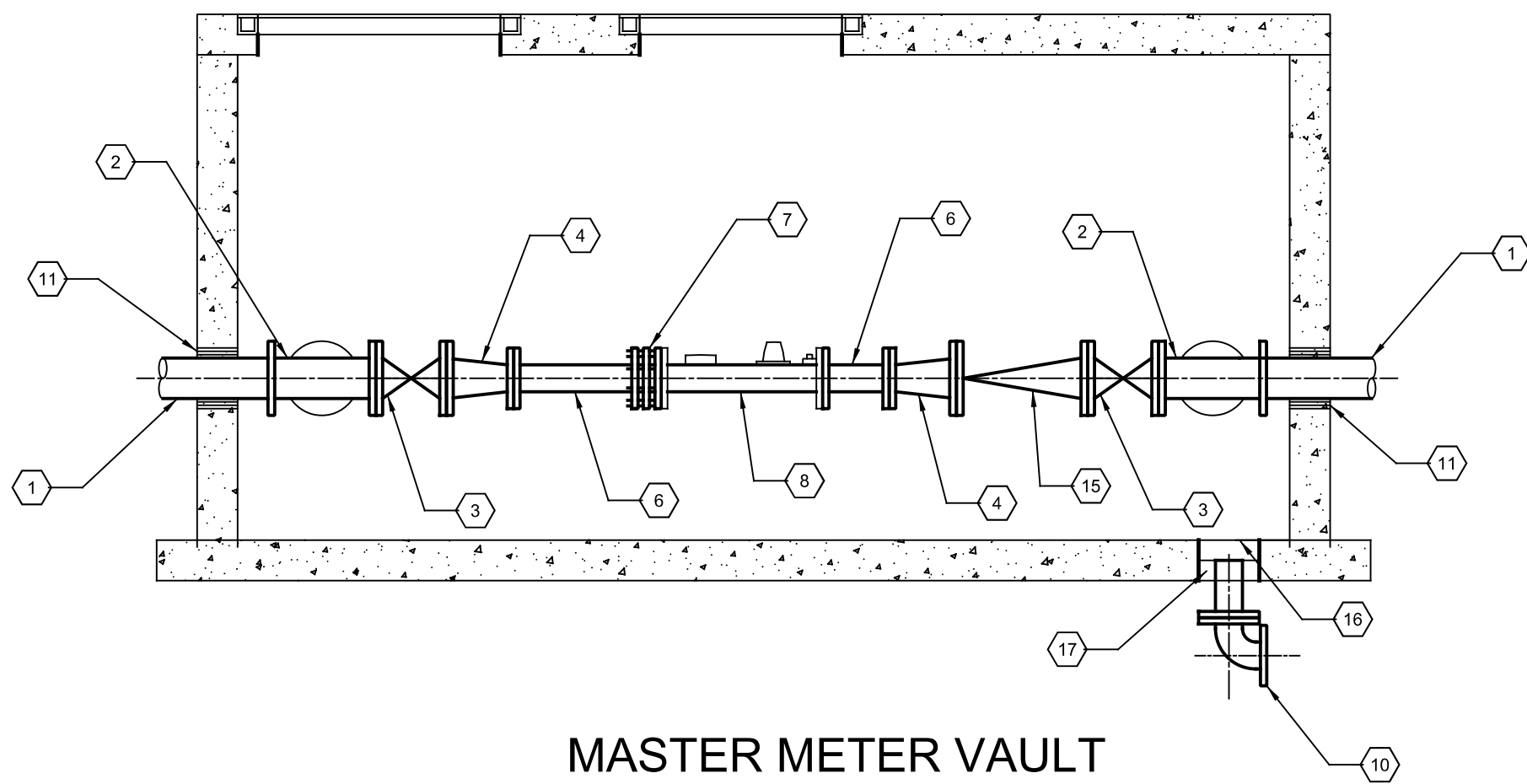
PREPARED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE



MASTER METER VAULT
UPPER PLAN



MASTER METER VAULT
LOWER PLAN



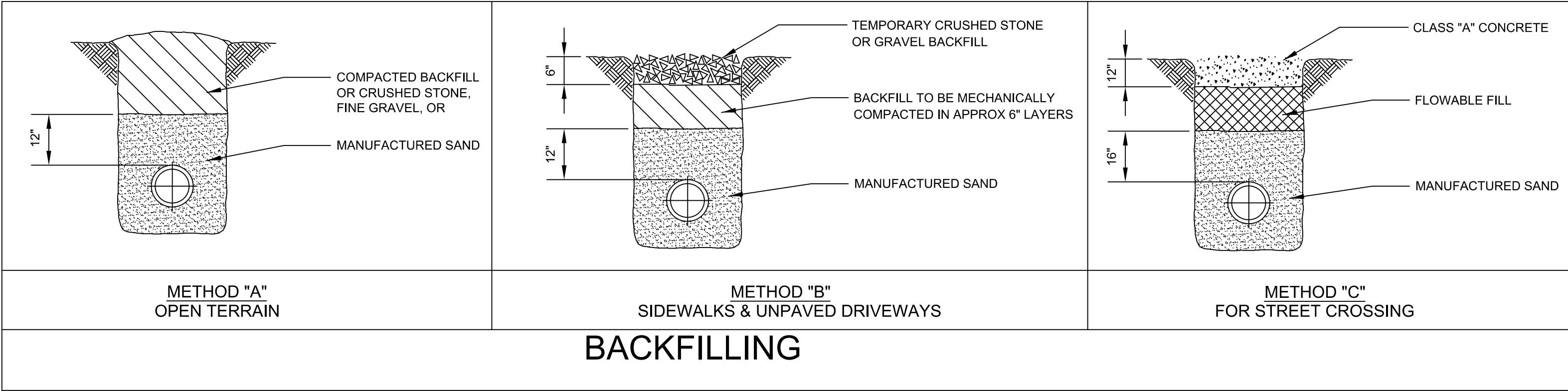
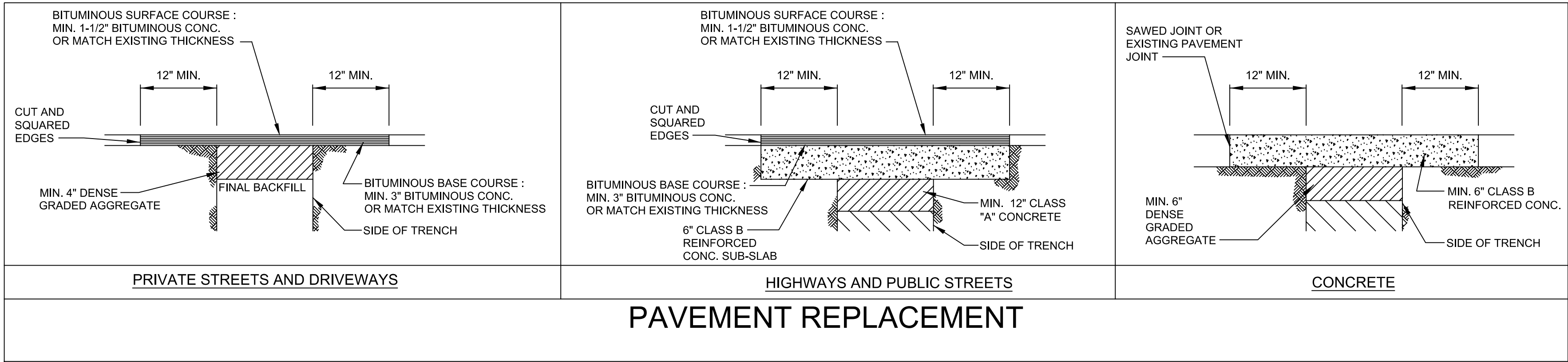
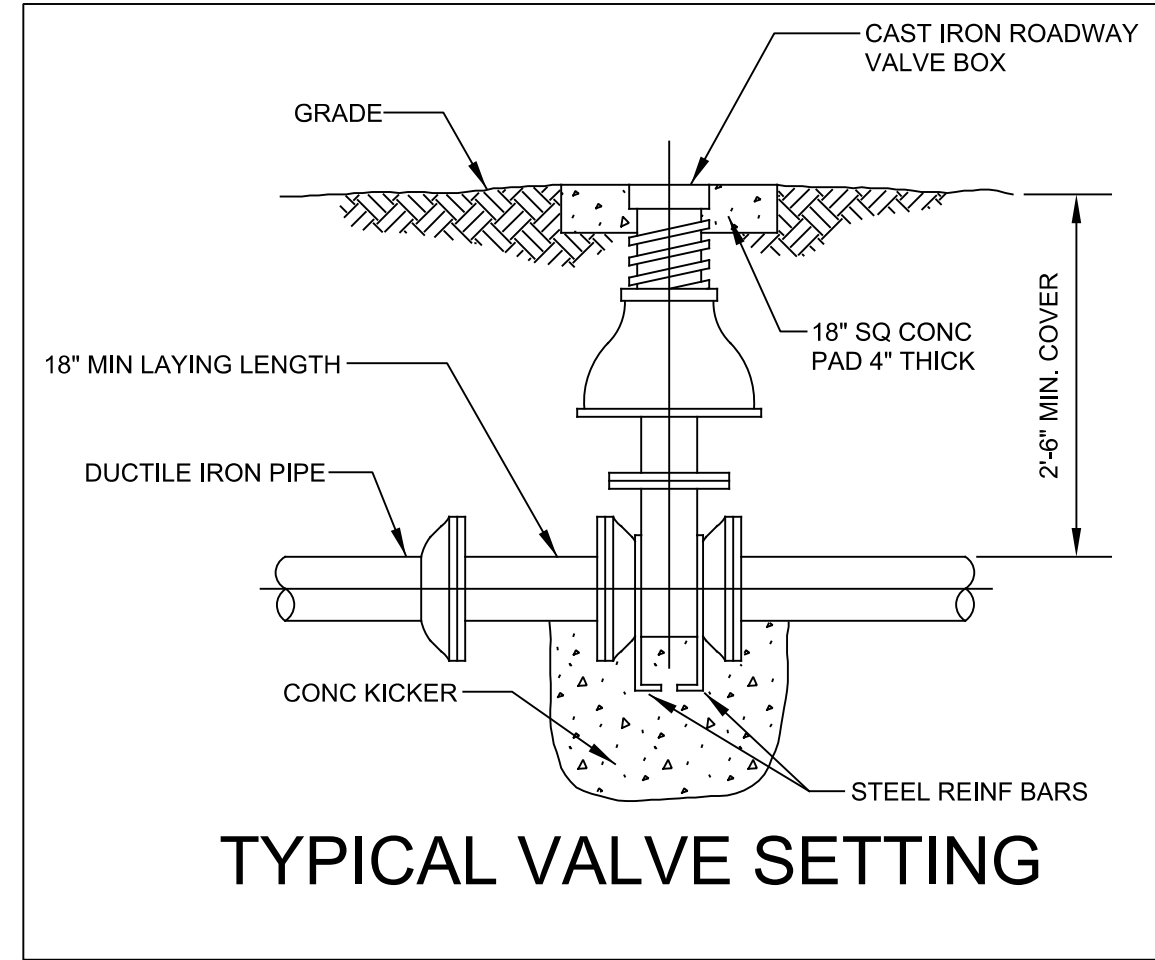
MASTER METER VAULT
UPPER PLAN

SHEET KEYNOTES:

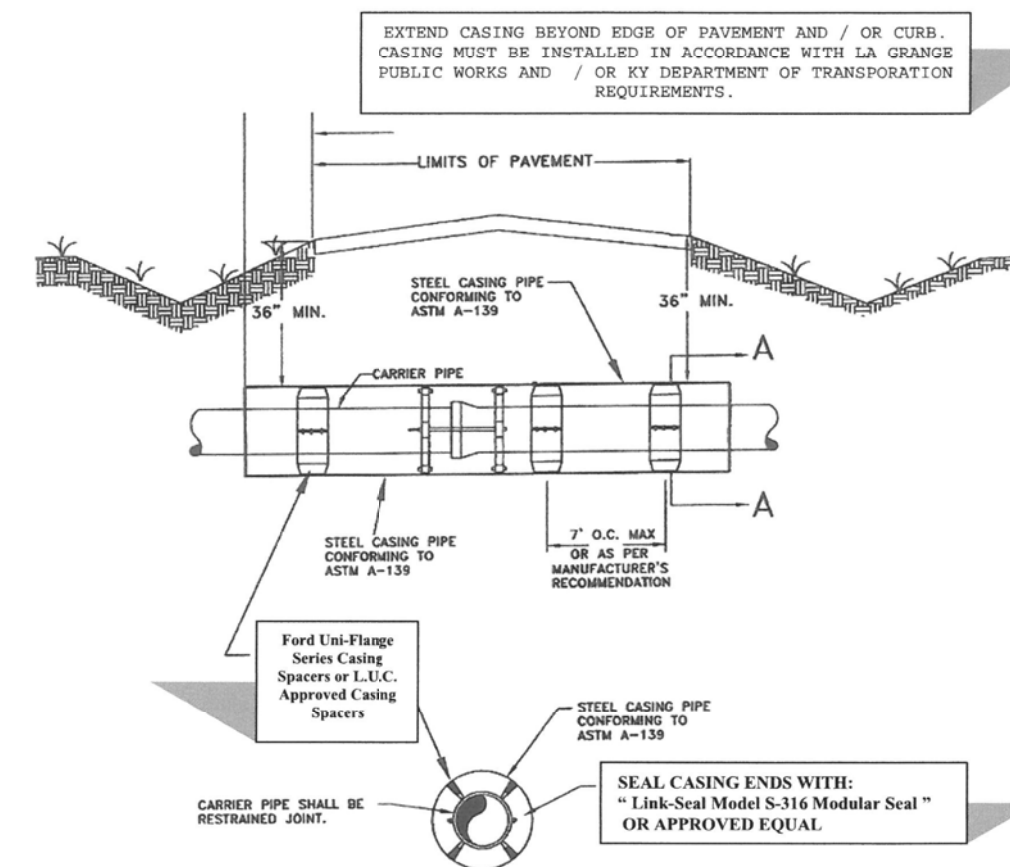
- 6" PVC PIPE
- 6" X 6" DI FLG TEE
- 6" GATE VALVE
- 6" X 4" DI FLG REDUCER
- 6" DI FLG 90° BEND
- 4" PVC PIPE
- 4" FLEXIBLE COUPLING ADAPTER
- 4" DIA. METER WITH STRAINER
- 4" PVC DRAIN LINE (DRAIN TO DAYLIGHT)
- 4" DI FLG 90° BEND (DRAIN TO DAYLIGHT)
- EMBEDDED RUBBER PIPE SEAL/GASKET (TYP.)
- 3'-0" X 3'-0" TRAFFIC RATED HATCH
- 30" DIA. MANHOLE COVER
- ALUMINUM LADDER
- 6" SWING CHECK VALVE
- PROVIDE 9" DIAMETER KNOCKOUT FOR 4" DRAINLINE
- GROUT TO TOP OF PIPE
- 1" CORPORATION STOP TO BOTTOM OF 6" BYPASS
- 6'-0" X 13'-0" PRECAST CONCRETE MASTER METER VAULT

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E-SHEET NAME: _____

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APPROVED BY _____ DATE _____



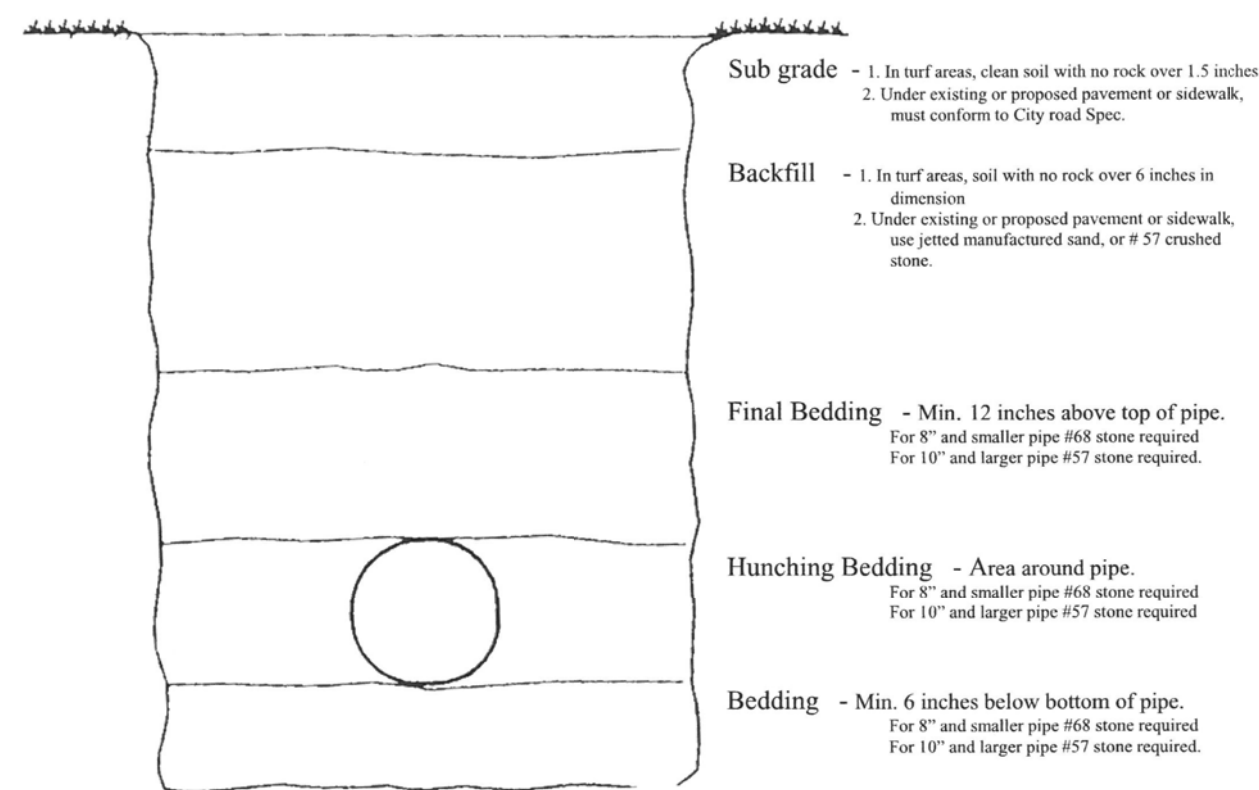
Casing & Boring Detail



STANDARD DRAWINGS
LA GRANGE UTILITIES COMMISSION
203 South Walnut Street
LA GRANGE, KY. 40031

Date 3-5-04

Sewer Pipe Bedding



LA GRANGE UTILITIES COMMISSION NOTES:

At selected low points in topography, install perforated pipe under drains to drain upstream pipe bedding.

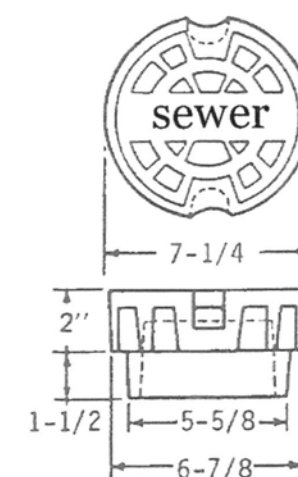
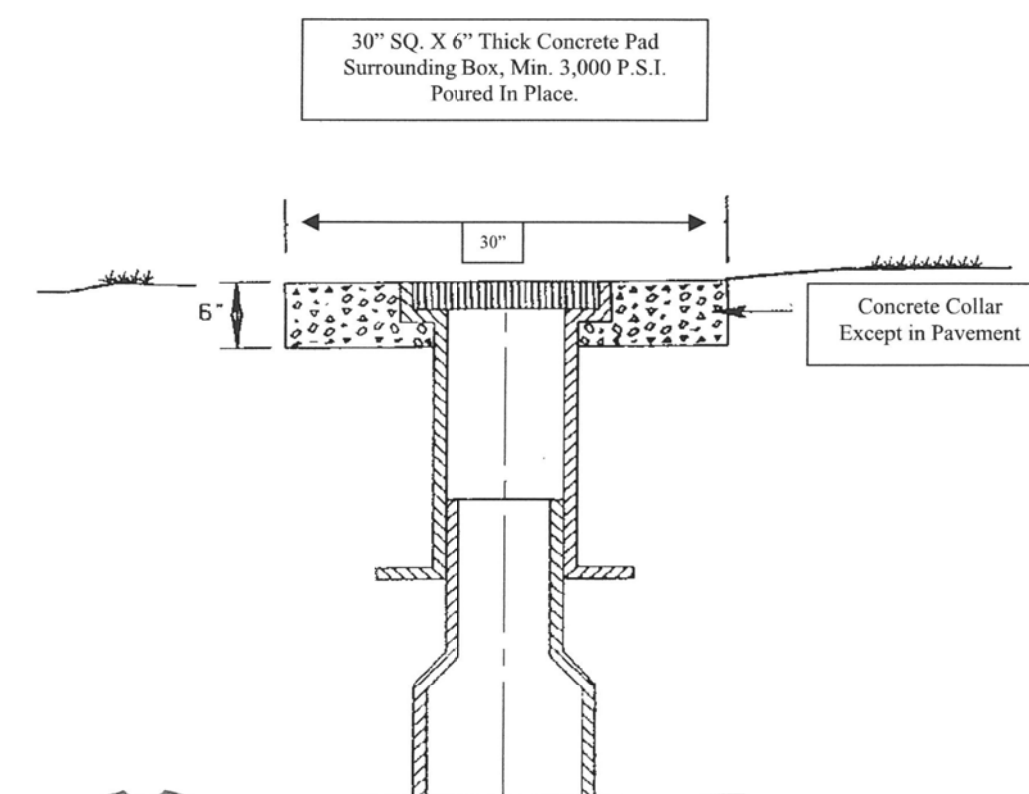
All rock backfill must be even across the ditch before the next layer of backfill is installed.

Stranded # 8 copper tracer wire placed on force mains and taped to pipe as well as looped at all valve boxes. Valve boxes should be placed every 600 feet for tracer wire access.

STANDARD DRAWINGS
LA GRANGE UTILITIES COMMISSION
203 South Walnut Street
LA GRANGE, KY. 40031

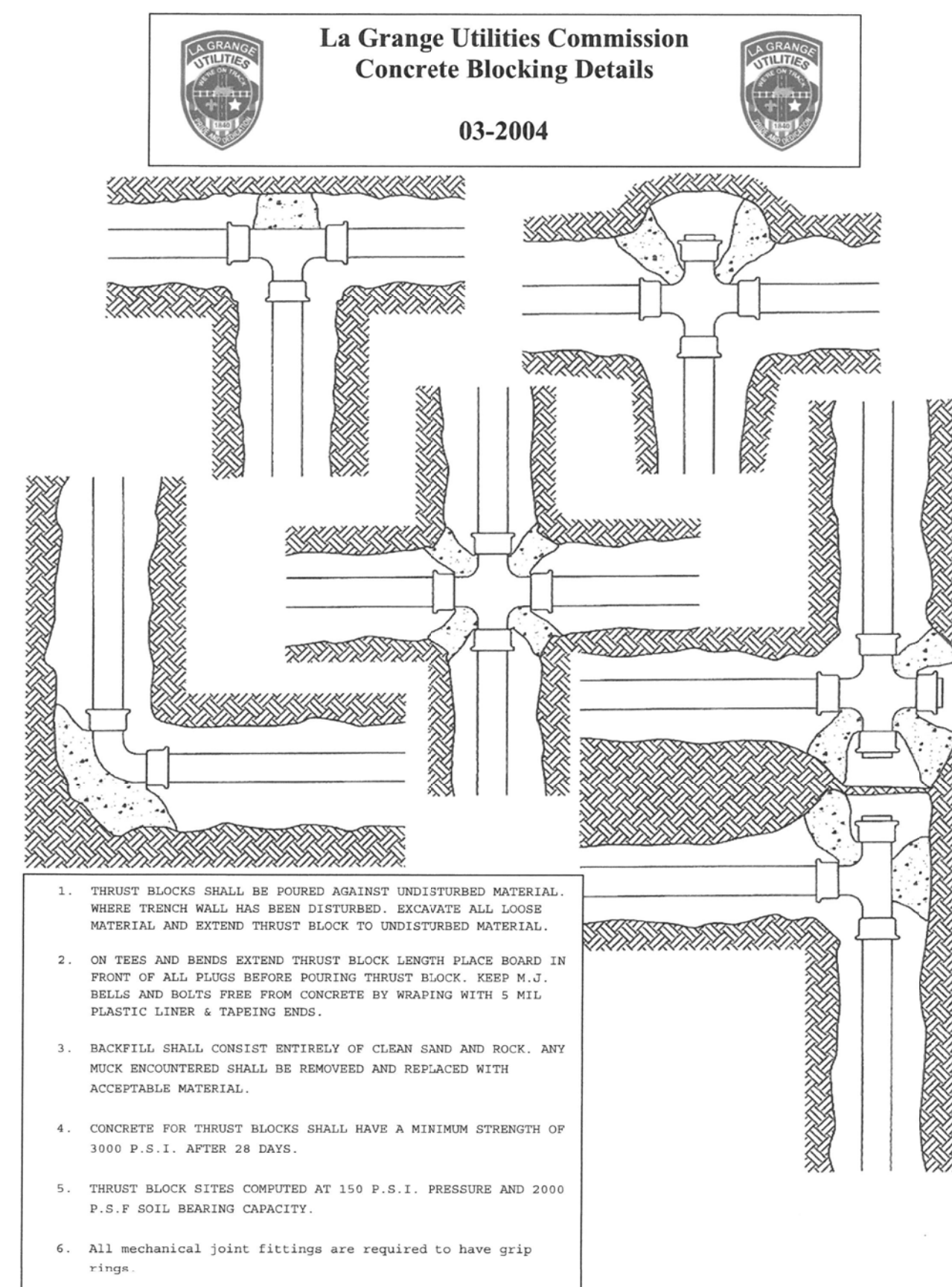
Date 3-1-2006

Cast Iron Screw Type Valve Box With Cast Iron Cap

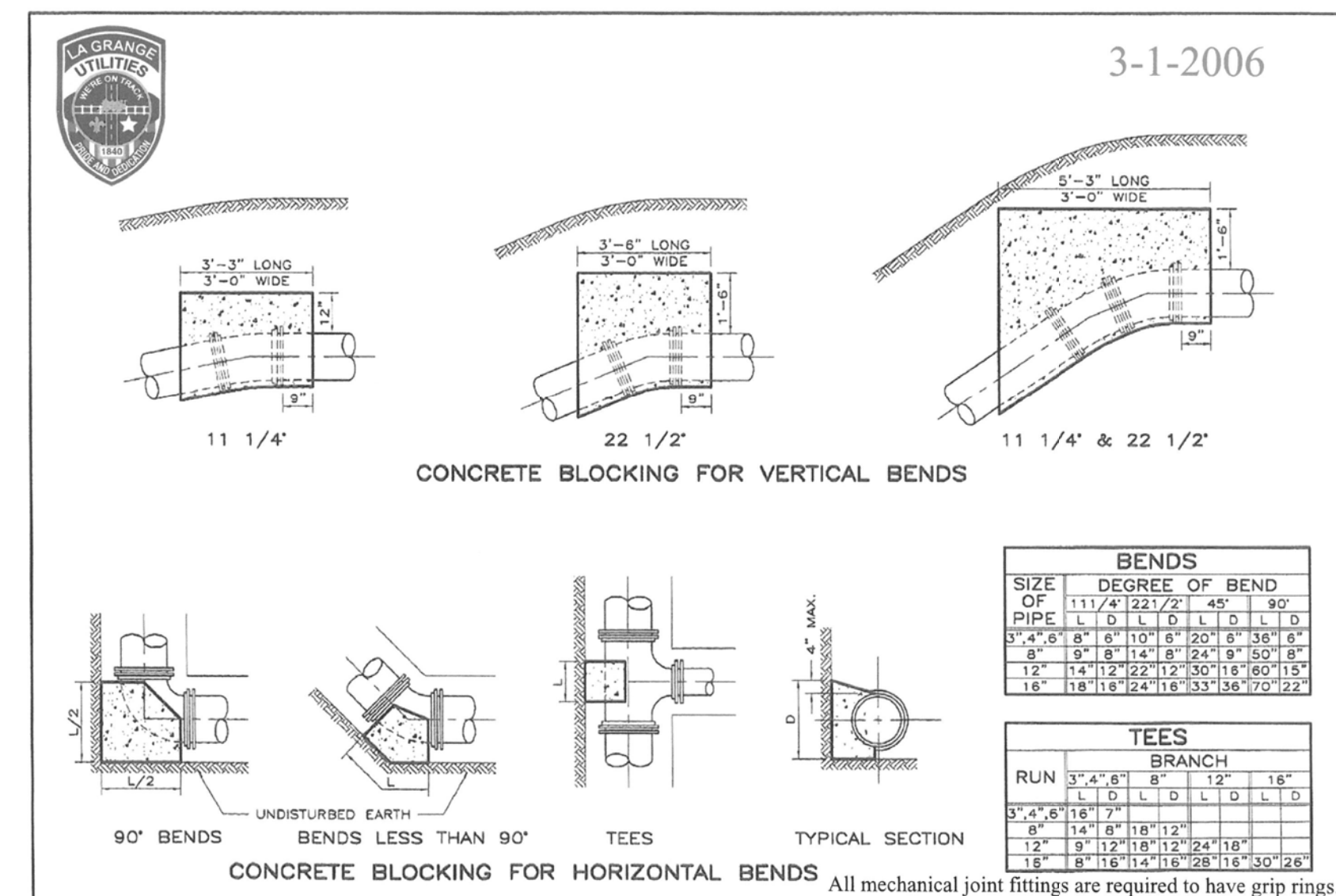


STANDARD DRAWINGS
LA GRANGE UTILITIES
COMMISSION
203 South Walnut Street
LA GRANGE, KY. 40031

Date 3-1-2006



Concrete Blocking For Sewer Force Mains



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DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\$file\$specification\$\$\$
E-SHEET NAME: _____

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-8201.00	U8

EROSION CONTROL NOTES

1. A KPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT. COVERAGE STARTS WHEN THE KY DIVISION OF WATER ACKNOWLEDGES RECEIPT OF A NOTICE OF INTENT FOR COVERAGE.
2. THE KPDES PERMIT REQUIRES THAT THE PERMITTEE SHALL MINIMIZE DISTURBANCE AND THE PERIOD OF TIME THAT THE DISTURBED AREA IS WITHOUT STABILIZATION PRACTICES.
3. FINAL STABILIZATION SHALL BEGIN WITHIN 14 DAYS ON AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE BEEN SUSPENDED FOR MORE THAN 180 DAYS. WHEN SNOW COVER CAUSES DELAYS, STABILIZATION SHALL BEGIN AS SOON AS POSSIBLE. STABILIZATION PRACTICES INCLUDE SEEDING, MULCHING, PLACING SOD, PLANTING TREES OR SHRUBS, AND USING GEOTEXTILE FABRICS AND OTHER APPROPRIATE MEASURES. SEEDING RATES, DATES AND MATERIALS MAY BE OBTAINED FROM THE LOCAL NATURAL RESOURCES CONSERVATION SERVICE FIELD OFFICE.
4. FOR ALL CRITICAL AREAS (WITHIN 25' OF A STREAM), SOIL STABILIZATION TECHNIQUES SHALL BE IMPLEMENTED WITHIN 24 HOURS OR AS SOON AS PRACTICABLE AFTER COMPLETION OF GRADING OR DISTURBANCE. TEMPORARY STABILIZATION PRACTICES SHALL BE INITIATED WITHIN 14 DAYS OF CESSATION OF CONSTRUCTION ACTIVITIES.
5. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE DEVELOPED AND IMPLEMENTED AS OUTLINED IN THE KPDES STORMWATER PERMIT KYR 10.
6. SEDIMENT BASINS (DEBRIS BASINS, DESILTING BASINS, OR SEDIMENT TRAPS) SHALL BE PROPERLY DESIGNED.
7. SEDIMENT BASINS (DEBRIS BASINS, DESILTING BASINS, OR SEDIMENT TRAPS) SHALL BE INSTALLED DURING INITIAL GRADING AT LOCATIONS THAT WILL PROVIDE THE BEST PROTECTION FROM OFF-SITE DAMAGES.
8. ALL SLOPES EXCEEDING 3:1 SHALL HAVE EXTRA SLOPE PROTECTION SUCH AS NETTING.
9. A MULTI-PURPOSE BASIN USED FOR A SEDIMENT TRAP THAT IS THEN CONVERTED TO A DETENTION/RETENTION BASIN SHALL BE DREDGED PERIODICALLY DURING CONSTRUCTION ACTIVITIES AND AFTER STABILIZATION IN ORDER TO PROVIDE ADEQUATE STORAGE.
10. INLET PROTECTION IS REQUIRED TO MINIMIZE DISCHARGE OF SEDIMENT LADEN WATER.
11. SITE PERIMETER CONTROLS ARE REQUIRED AND SHALL BE INSTALLED TO PREVENT THE DEPOSIT OF SOIL AND DEBRIS FROM GRADED SURFACES ONTO PUBLIC STREETS, INTO DRAINAGE CHANNELS OR SEWERS, OR ONTO ADJOINING LAND.
12. EROSION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROLS AND REVISE THE CONTROLS AS NEEDED.

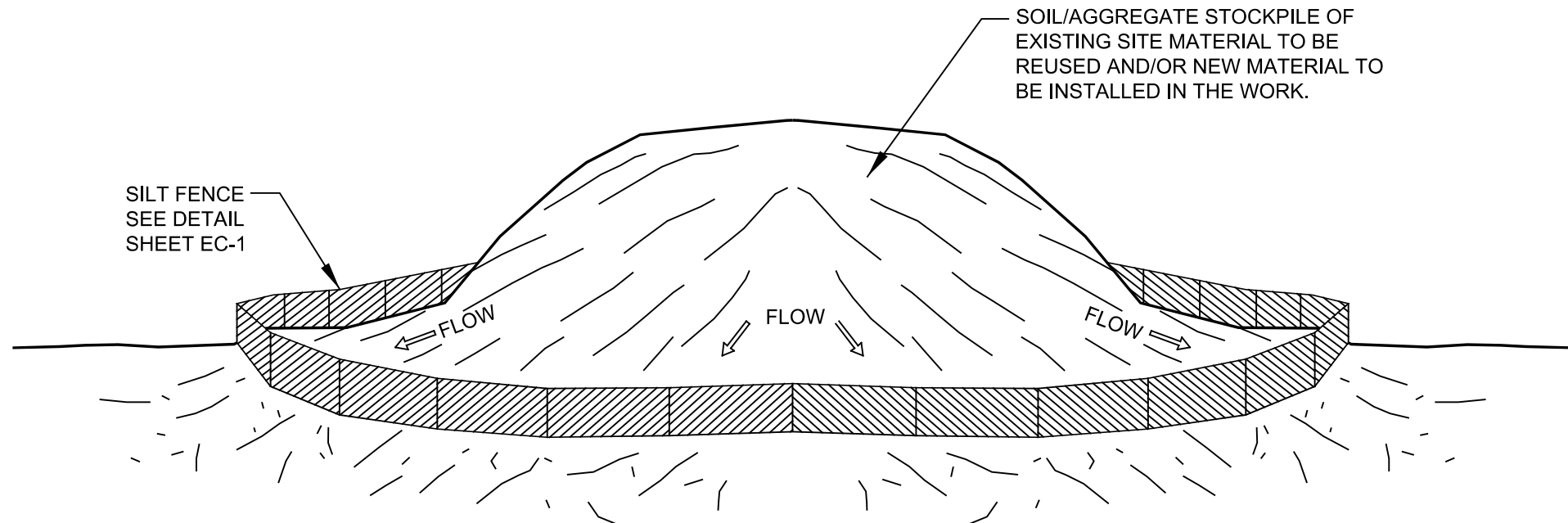
INSPECTIONS AND MAINTENANCE

1. ALL EROSION CONTROL MEASURES, DISCHARGE LOCATIONS, VEHICLE EXITS, DISTURBED AREAS OF THE SITE, AND MATERIALS STORAGE AREAS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. EACH INSPECTION MUST BE DOCUMENTED IN ACCORDANCE WITH THE KPDES GENERAL PERMIT FOR STORMWATER POINT SOURCE DISCHARGES FROM CONSTRUCTION ACTIVITIES (KYR10).
2. SEDIMENT ACCUMULATED AT THE SILT FENCES, INLET PROTECTION AREAS, AND OTHER SILT CHECK DEVICES SHOULD BE REMOVED NO LATER THAN WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.
3. SEDIMENT MUST BE REMOVED FROM ANY SEDIMENT BASINS WHEN THE NO MORE THAN 1/3 OF THE VOLUME HAS BEEN FILLED WITH COLLECTED SEDIMENT.
4. ALL REQUIRED REPAIRS ARE TO BE MADE IMMEDIATELY.
5. REMOVED SEDIMENT MUST BE SPREAD AND VEGETATED OR OTHERWISE STABILIZED IN A MANNER THAT DOES NOT RESULT IN MUDDY RUNOFF TO NEARBY DITCHES AND WATERBODIES.
6. INSPECT THE CONSTRUCTION ENTRANCE DAILY TO ENSURE NO TRACKING OF DIRT ONTO LOCAL ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROAD MUST BE REMOVED IMMEDIATELY. SEE NOTE 3 FOR HANDLING OF REMOVED SEDIMENT.
7. MAINTAIN THE ENTRANCE AS NECESSARY TO PREVENT TRACKING OF DIRT.

UNTIL THE DISTRICT PERFORMS A FINAL INSPECTION AND THE LAND DISTURBING PERMIT IS CLOSED, THE PERSON RESPONSIBLE SHALL TAKE SUCH MEASURES AS ARE NECESSARY TO PREVENT EROSION OF GRADED STREETS, INTO DRAINAGE CHANNELS OR SEWERS, OR ONTO ADJOINING LAND.

SEQUENCE OF EROSION CONTROL PLAN ACTIVITIES (FROM KY DOW GUIDANCE)

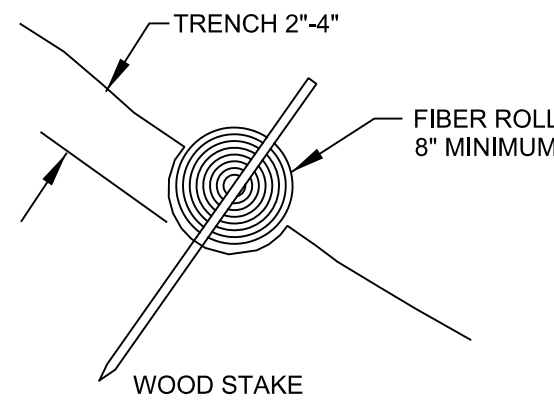
1. IDENTIFY AND FLAG OFF AREAS NOT TO BE DISTURBED AND/OR COMPACTED.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.
3. INSTALL UPGRADIENT DIVERSION SWALES AND BERMS.
4. INSTALL SEDIMENT BARRIERS (SILT FENCES)
5. INSTALL SEDIMENT BASIN.
6. CONSTRUCT OTHER SWALES.
7. CONSTRUCT STORM CONVEYANCE SYSTEM (INLETS AND STORM SEWERS)
8. BEGIN CLEARING AND GRADING FOR THE ROADS, BUILDINGS, AND TANKS.
9. STABILIZE BARE AREAS AFTER FINAL GRADE IS REACHED.
10. CONSTRUCT ROADS, BUILDINGS, TANKS AND PARKING LOTS.
11. INSTALL LANDSCAPING.
12. DREDGE SEDIMENT BASIN AND INSTALL TEMPORARY EROSION CONTROL BLANKET ON ALL SLOPES.
13. REMOVE ALL CONTROLS ONCE THE SITE HAS BEEN FULLY STABILIZED.
14. FINAL INSPECTION FOR LAND DISTURBANCE PERMIT.
15. TEMPORARY DIVERSION DITCHES MAY BE REQUIRED DURING CONSTRUCTION TO MITIGATE EROSION OF THE DISTURBED CONSTRUCTION AREA, BY DIRECTING OFF-SITE DRAINAGE AROUND THE DISTURBANCE AREAS.



NOTES:

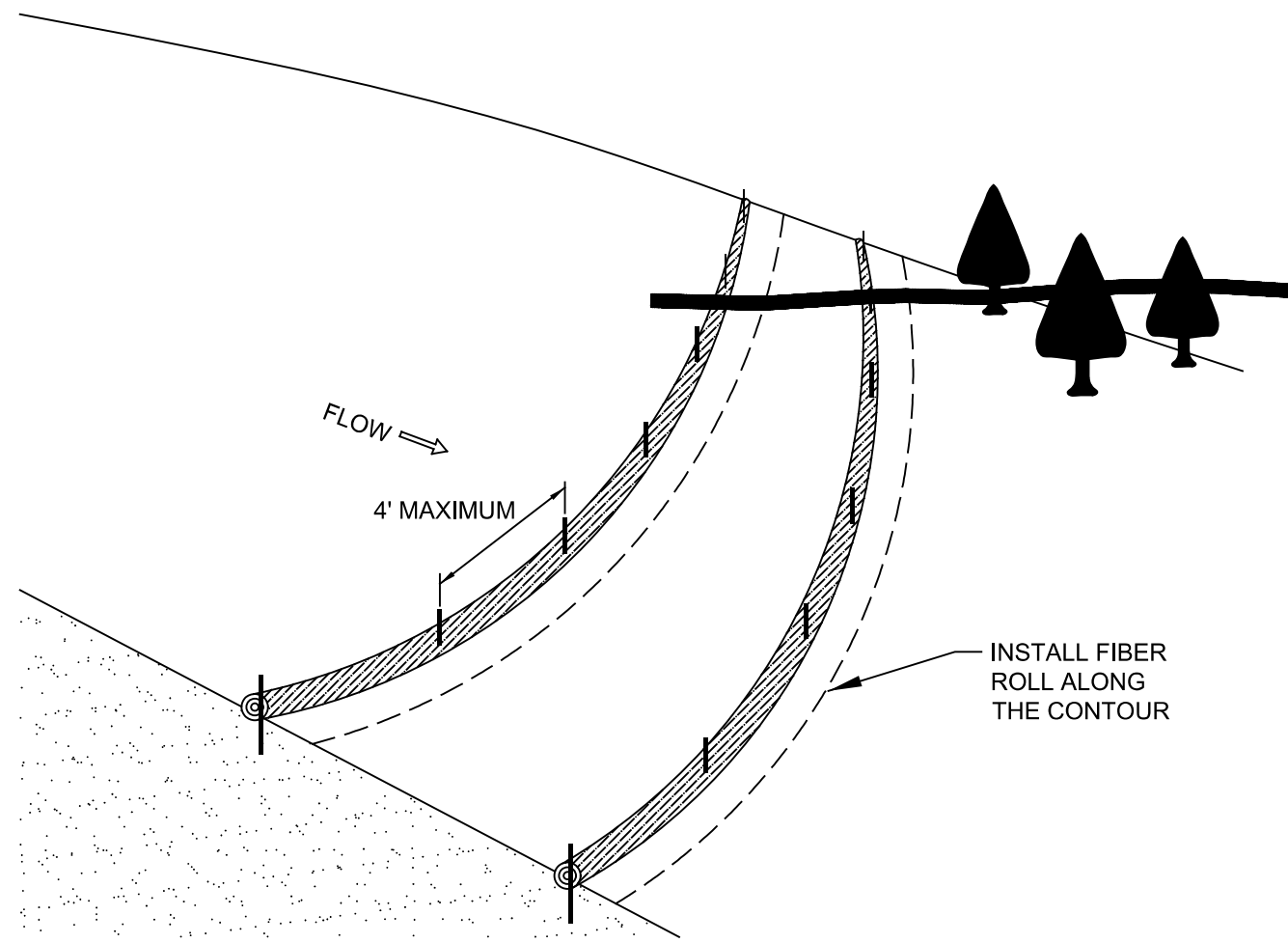
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
2. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
3. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

MATERIALS STOCKPILE



NOTES:

1. FIBER ROLLS AND OTHER COMMERCIAL PRODUCTS MADE FROM COCONUT FIBER, PLASTIC, WOOD SHAVINGS, COMPOST, OR OTHER MATERIAL CAN BE USED AS SEDIMENT BARRIERS ON SLOPES FLATTER THAN 10:1.
2. FOLLOW MANUFACTURERS' INSTALLATION INSTRUCTIONS AND ENSURE THAT SEDIMENT FILTER SACING ON SLOPES IS CORRECT..



FIBER ROLLS

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$design\$file\$specification\$\$\$
E-SHEET NAME: _____

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-8201.00	U9

Sanitary Sewer				
Item	DOT Bid Item Code	Description	Unit	Quantity
1	3385	6-inch PVC Sanitary Force Main	LF	460
2	1071	14-inch Steel Encasement Pipe Open Cut Beneath Proposed Overpass	LF	305
3	20559 NC	6-inch Dry Connect	EA	2
Water Main				
Item	DOT Bid Item Code	Description	Unit	Quantity
1	3391	12-Inch PVC Water Main	LF	20
2	3385	6-inch PVC Water Main	LF	25
3	3383	4-inch PVC Drain Line	LF	75
4	20790 ND	12-inch Dry Connect	EA	1
5	3532	12-inch Gate Valve and Box	EA	1
6	23462 EC	Master Meter Vault	EA	1
7	20888 ED	Ductile Iron Fittings	TON	0.5



CALL NO. 307

CONTRACT ID. 131081

OLDHAM COUNTY

FED/STATE PROJECT NUMBER FD04 SPP 093 NEW ROUTE

DESCRIPTION NEW MOODY LANE-COMMERCE PARKWAY(NEW ROUTE)

WORK TYPE GRADE, DRAIN & SURFACE WITH BRIDGE

PRIMARY COMPLETION DATE 9/29/2015

LETTING DATE: December 13,2013

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME December 13,2013. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

PLANS AVAILABLE FOR THIS PROJECT.

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

ADMINISTRATIVE DISTRICT - 05

CONTRACT ID - 131081

FD04 SPP 093 NEW ROUTE

COUNTY - OLDHAM

PCN - DE0930NEW1381

FD04 SPP 093 NEW ROUTE

NEW MOODY LANE-COMMERCE PARKWAY(NEW ROUTE) CONSTRUCT NEW OVERPASS OVER I-71 FROM NEW MOODY LANE TO COMMERCE PARKWAY.GRADE, DRAIN & SURFACE WITH BRIDGE SYP NO. 05-08201.01.

GEOGRAPHIC COORDINATES LATITUDE 38:23:20.00 LONGITUDE 85:23:32.00

COMPLETION DATE(S):

COMPLETED BY 09/29/2015

APPLIES TO ENTIRE CONTRACT