### GENERAL (G1 - G10) (11/14/2018)

- LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY
- MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION.
- CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING. PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.
- THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
- CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THE PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST. COST SHALL BE INCLUDED IN THE PRICE BID
- ALL HOUSE NUMBERS SHALL BE REPLACED/ REESTABLISHED THROUGHOUT PROJECT LIMITS. COST TO BE INCLUDED IN URBAN G-6: RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.
- <u></u> G-7: AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS. CONTACT #: 918-596-2548
- <u></u> G-8: TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND
- CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND <u></u> G-9: FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.
- ⚠G-10: PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.

#### PAY ITEM NOTES (11/14/2018)

### EARTHWORK / EROSION CONTROL / SITE PREPARATION (E1 - E11)

- ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY. COST OF CLEARING SHALL BE INCLUDED IN THE PRICE BID.
- THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.
- UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE
- THIS QUANTITY INCLUDES AN ADDITIONAL 10% ABOVE PLAN QUANTITY FOR UNDERCUTTING OF UNSUITABLE SUBGRADE MATERIAL OR ADDITIONAL PATCHING AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT. SHALL BE INCLUDED IN THE UNIT PRICE BID R-6:
- EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:
  - A) AROUND INLETS TO PREVENT INFLOW OF FRODED MATERIAL INTO STORM SEWER SYSTEM: B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO
- C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS. AS DIRECTED BY THE ENGINEER: D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN. ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
- PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.

### SURFACING / STRUCTURES (S1 - S21)

- TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING, QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING. ACTUAL QUANTITIES TO BE DETERMINED BY THE
- INCLLIDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR
- S-3: SEPARATOR FABRIC SHALL BE USED AT ALL PAVEMENT PATCHES AND RECONSTRUCTION SECTIONS. THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES OF THE REPAIR
- FABRIC REINFORCEMENT SHALL BE USED ON OVERLAY AREAS. THE COST OF BITUMINOUS BINDER FOR FABRIC REINFORCEMENT SHALL BE INCLUDED IN THE UNIT COST OF THIS PAY ITEM. THE BITUMINOUS BINDER SHALL MEET ODOT STANDARD SPECIFICATIONS AND THE RECOMMENDATIONS OF THE FABRIC REINFORCEMENT MANUFACTURER.
- THE COST OF TACK COAT, EDGE JOINT SEAL MATERIAL AND SCREENINGS FOR BLOTTING, AND ALL LABOR ASSOCIATED WITH THESE ITEMS. S-5: SHALL BE INCLUDED IN ASPHALT CONCRETE.
- ESTIMATED AT 112 LBS PER SQ YD PER 1 INCH THICK
- ODOT PAY FACTOR FOR AVERAGE LOT DENSITY SHALL NOT BE USED FOR THIS PROJECT. FAILURE TO REACH AVERAGE LOT DENSITY OF 92%-97% WILL RESULT IN REJECTION OF WORK.
- A HIGHER GRADE OF ASPHALT BINDER THAN IS INDICATED ON THE PLANS MAY BE USED. BUT AT NO ADDITIONAL COST TO THE CITY.

BINDER GRADE	MESALs	ADT <sup>1</sup>	NOTES				
PG 64-22 OK	3	<5,000	USE WHEN MORE THAN 4-6 INCHES BELOW THE SURFACE. ALSO USE FOR SHOULDERS, DRIVEWAYS, BELOW PCC, AND TEMPORARY CONSTRUCTION				
PG 70-28 OK	10	<10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES				
PG 76-28 OK	>=10	>=10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES				
PG 76-28 E	-	-	CONTACT ODOT MATERIALS DIVISION FOR RECOMMENDED USE.				
USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE THE DESIGN ESALS BASED ON YEARS.							

PG 70-28 OK OR PG 76-28 OK MAY BE DESIRABLE IN HIGH VOLUME AREAS WHERE SLOW, STANDING, OR TURNING TRAFFIC OCCURS, SUCH AS URBAN INTERSECTIONS OR OFF-RAMPS. OFF RAMPS SHOULD AT LEAST USE THE SAME BINDER AS THE MAINLINE.

- CONCRETE PAVEMENT SHALL BE COMPLETE IN PLACE. NO PARTIAL OR FINAL PAYMENT SHALL BE MADE UNTIL PAVEMENT HAS BEEN SAWED 7-1: AND SEALED. ANY SECTIONS OF PAVEMENT WITH UNAPPROVED DEVIATIONS FROM THE JOINT LAYOUT PROVIDED IN THE PLANS MAY BE REJECTED, AT THE DISCRETION OF THE ENGINEER
- THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED
- S-13: INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS
- THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB
- STANDARD BEDDING MATERIAL TO BE TYPE A AGGREGATE BASE COMPACTED TO 95% STANDARD PROCTOR DENSITY (AASHTO T-99). TYPE A AGGREGATE BASE IN THE ROADWAY SHALL BE COMPACTED TO 98% MODIFIED PROCTOR (AASHTO T-180).
- QUANTITY SHALL BE MEASURED AND PAID FOR AS FOLLOWS:
  - A. FOR ANY CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BOX (RCB) LARGER THAN 4' BY 4', USE NEAT LINES THAT ARE 4" BELOW THE BOTTOM OF THE RCB AND 4'-0" BEYOND THE OUTSIDE WALL
  - B. UNDER ROADWAY PAY QUANTITY SHALL BE PAID FOR FROM THE BOTTOM OF TRENCH, AS DESCRIBED, TO THE BOTTOM OF ROADWAY
- THIS PAY ITEM INCLUDES THE FOLLOWING:

  - B. REMOVAL OF THE EXISTING CONCRETE AND/OR ASPHALTIC CONCRETE ROADWAY (CY)
  - C. TYPE S3 ASPHALTIC CONCRETE OR PC CONCRETE COMPLETE AND IN PLACE PER DETAIL
  - D. SEALING OF EDGES AND TACK COAT

### DOES NOT INCLUDE THE FOLLOWING:

- A. UNCLASSIFIED EXCAVATION
- B. SUBGRADE METHOD B (SY)
- C. SEPARATOR FABRIC (SY)
- D. AGGREGATE BASE (TYPE A)
- E. ASPHALT CONCRETE LEVELING OR SURFACE COURSE

### REMOVAL / ADJUSTMENT (R1 - R6)

- WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY
- ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.
- PAY ITEM INCLUDES REMOVAL OF ALL STRUCTURES AND OBSTRUCTIONS WITHIN PROJECT LIMITS NOT SPECIFIED BY OTHER ITEMS OF
- INCLUDES SAWING NOT INCLUDED IN OTHER ITEMS OF WORK
- R-5 ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION
- SHALL INCLUDE ALL COSTS ASSOCIATED WITH PLUGGING/ PATCHING HOLES IN EXISTING STRUCTURES TO REMAIN

# DRAINAGE (D1 - D15)

- THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NOS.752, 753, 754, 761, 762, 769A, 769B
- THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES. VALVE BOXES, INLETS, AND INLET APRONS. SHALL BE
- NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.
- <u></u> **∆**D-5: ALL MANHOLES SHALL BE COMPLETE IN PLACE. THIS PAY ITEM INCLUDES FRAME, COVER, CONCRETE AND ALL OTHER INCIDENTALS
  - INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS. THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET. 5' EACH SIDE OF THE INLET. AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED, GRATE AND FLOWLINE FLEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.
  - QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE. AS NEEDED, AT
  - ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAME(S), GRATE(S), HOOD(S) AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OF STRUCTURE PER THE CONSTRUCTION
  - ADDITIONAL DEPTH QUANTITIES SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING STANDARD DEPTH. STANDARD DEPTHS ARE
    - A) CAST IRON CURB INLET: 3.71 VF, MEASURED FROM CENTER ELEVATION OF LOWEST CAST IRON CURB TO FLOWLINE OF OUTLET PIPE. B) RECESSED CURB INLET: 3.00 VF, MEASURED FROM TOP OF SLAB TO FLOWLINE OF OUTLET PIPE.
    - C) STANDARD DROP INLET: SEE STANDARD DETAILS 770, 771, 772 AND 773 VARIES BASED ON PIPE SIZE, MEASURED FROM LOWEST ELEVATION OF INFLOW APRON TO FLOWLINE OF OUTLET PIPE
  - REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN IMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.
  - THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE. STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE. PRIOR TO ACCEPTANCE, INTERIOR OF PIPE SHALL BE INSPECTED FOR DEFECTS USING SELF-PROPELLED MOBILE CLOSED-CIRCUIT CAMERA SYSTEM.
  - WHERE CORRUGATED POLYPROPYLENE PIPE CONNECTS TO REINFORCED CONCRETE STRUCTURES. CONTRACTOR SHALL ENSURE CONNECTIONS ARE WATER-TIGHT AND FULLY SEALED AGAINST SOIL INFILTRATION.
  - WHERE QUICKSET FLOWABLE FILL IS USED TO BACKFILL AROUND CORRUGATED POLYPROPYLENE PIPE. THE CONTRACTOR SHALL UTILIZE AN ANCHORING SYSTEM APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ALL COSTS FOR LABOR, EQUIPMENT AND MATERIALS REQUIRED TO IMPLEMENT APPROVED ANCHORING SYSTEM INCLUDED IN PRICE BID FOR CORRUGATED POLYPROPYLENE PIPE

#### TRAFFIC (T1 - T7)

- ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS
- REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZE SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE
- ALL PLASTIC PAVEMENT MARKINGS SHALL BE EITHER

EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION, MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.

- **⚠** T-5: IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
  - PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN

### SPECIAL PAY ITEM NOTES

CONTRACTOR TO COORDINATE WITH BURLINGTON TO ESTABLISH A 2 DAY TIME FRAME THAT MAY INCLUDE WORKING EVENINGS AND/OR WEEKEND TO AVOID ANY CONFLICT WITH DELIVERY SHIPMENTS TO THE BURLINGTON LOADING DOCK ON THE NORTHWEST SIDE OF THE

ITEM	SPEC	ITEM DECODIDATION	NOTES			
NUMBER	NUMBER	ITEM DESCRIPTION	NOTES	UNIT	QUANTIT	
1	202(A)	UNCLASSIFIED EXCAVATION	E-3,4,5, R-1	CY	1377	
2	303(A)	AGGREGATE BASE TYPE A	E-5, S-1,2	CY	1109	
3	325	SEPARATOR FABRIC	E-5, S-3	SY	1330	
4	409(A)	FABRIC REINFORCEMENT	S-4	SY	1208	
5	411(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK)	S-5,6,7,8	TON	407 136	
6	411(C)	SUPERPAVE, TYPE S4 (PG 64-22 OK)	S-5,6,7,8	TON		
7	509(A)	CLASS A CONCRETE	S-12,13	CY	67	
8	511(A)	REINFORCING STEEL		LB	6532	
9	609(B)	COMBINED CURB & GUTTER (6" BARRIER)	S-12,13,15,16	LF	26 4	
10	611(G)	INLET (SMD-TYPE 1)	D-1,2,3,7,8,9,10	EA		
11	COT 215	(SP) 24" CORRUGATED POLYPROPYLENE PIPE, COMPLETE IN PLACE	D-13, 14, 15	LF	64	
12	COT 215	(SP) 60" CORRUGATED POLYPROPYLENE PIPE, COMPLETE IN PLACE	D-13, 14, 15	LF	356	
13	611(A)	(5' I.D.) MANHOLE, COMPLETE IN PLACE	D-1,2,3,5	EA	2	
14	611(A)	(8' I.D.) MANHOLE, COMPLETE IN PLACE	D-1,2,3,5	EA	EA 4	
15	613 (A)	15" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8,12,13	LF	8	
16	613 (A)	18" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8,12,13	LF	8	
17	613 (A)	24" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8,12,13	LF	8	
18	619(B)	REMOVAL OF ASPHALT PAVEMENT	R-1,2,5,6	SY	1259	
19	619(B)	REMOVAL OF MANHOLES	R-1,2,5,6	EA	2	
20	619(B)	REMOVAL OF EXISTING PIPE	R-1,2,5,6	LF	500	
21	619(B)	REMOVAL OF DRAINAGE INLETS	R-1,2,5,6	EA	4	
22	619(B)	REMOVAL OF CURB & GUTTER	R-1,2,5,6	LF	26	
23	641	MOBILIZATION	G-2	EA	1	
24	642	CONSTRUCTION STAKING	G-3,4	EA	1	
25	855(A)	TRAFFIC STRIPE (PLASTIC) (4" WIDE)	T-3	LF	331	
26	SPECIAL	(SP) PRECAST CONC RND 8' DIA MANHOLE	1,D-1,2,3,5	EA	1	
27	SPECIAL	POINT REPAIR		EA	4	
28	SPECIAL	OWNER ALLOWANCE		ALLOW	1	
29	880(J)	CONSTRUCTION TRAFFIC CONTROL	T-1,2,5	EA	1	
30	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	G-5,6,7,8,9,10	EA	1	

# APPLICABLE CITY OF TULSA STANDARD DRAWINGS AND DETAILS REFERENCES:

PAVEMENT CUTS FOR UTILITIES

- STD NO. 713 - STANDARD DETAIL FOR PAVEMENT REMOVAL AND REPLACEMENT
- STD NO. 714 - STANDARD DETAIL FOR PAVEMENT CUTS

ASPHALT PAVEMENT - DETAILS - STD NO. 730 - STANDARD ASPHALT PAVEMENT CUT AND REPAIR

CONCRETE PAVEMENT — CURB DETAILS
STD NO. 727 — CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS

STORM PIPES, DRAINAGE INLETS, GRATES, AND HOODS - STD NO. 751 - STANDARD PIPE BEDDING DETAIL FOR STORM SEWER

- STD NO. 753 FRAME AND LID FOR 4' AND 5' I.D. STORMWATER MANHOLE
- STD NO. 754 FRAME AND LID FOR 6' AND 8' L.D.
- STD NO. 775 STANDARD PRECAST CONCRETE
  STORMWATER MANHOLE AND JUNCTION BOXES
   STD NO. 775 STANDARD PRECAST CONCRETE
  STORMWATER MANHOLE

## APPLICABLE ODOT STANDARDS:

SMD-3-2 - STANDARD MEDIAN DRAINS

**GENERAL CONSTRUCTION &** 

PAY ITEM NOTES PROJECT #173120-2

71ST & MEMORIAL STORM SEWER **IMPROVEMENTS** 

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

Meshek & Associates, L.L.C.

				1437 S. Boulder Avenue, Suite 1550 Tulsd, Ok 74119 (918)392-3620				
	REVISION	BY	DATE	PLAN SCALE	DRAWN	KRP	01/2020	APPROVED:
/ <del>1</del>	ADDED PAY ITEM	RJP	12/20		DESIGNED	RJP	01/2020	
<b>2</b>	REVISED QUANTITY	RJP	12/20	N/A	SURVEY	AB	02/2019	
<b>3</b>	ADDED PAY NOTE	RJP	12/20	PROFILE SCALE	PROJ. MGR.			
<b>4</b>	ADDED PAY ITEM	RJP	1/21	HORIZONTAL:	LEAD ENGR.			
<i>7</i> 5\	ADDED PAY ITEM	RJP	1/21	N/A	FIELD MGR.			
/6\	REVISED QUANTITY	VISED QUANTITY RJP 1/21 VERTICAL: RECOMMENDED						
	ADDED PAY NOTES	SMC	3/21	N/A	DESIGN MANAGER			CITY ENGINEER
	AND PAY ITEMS			FILE:	DRAWING:			DATE:
				ATLAS PAGE NO. 560				SHEET 2 OF 17 SHEETS