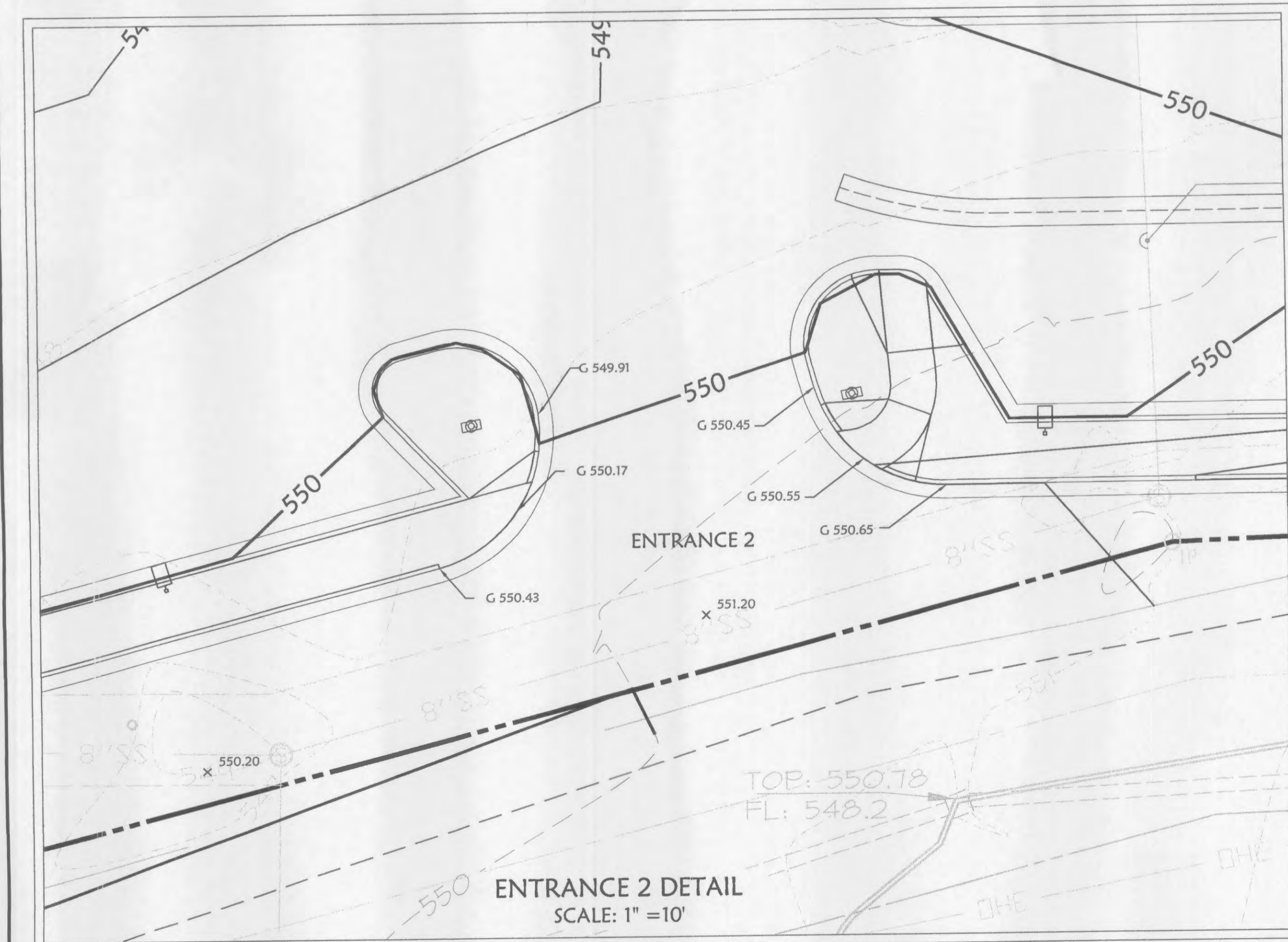
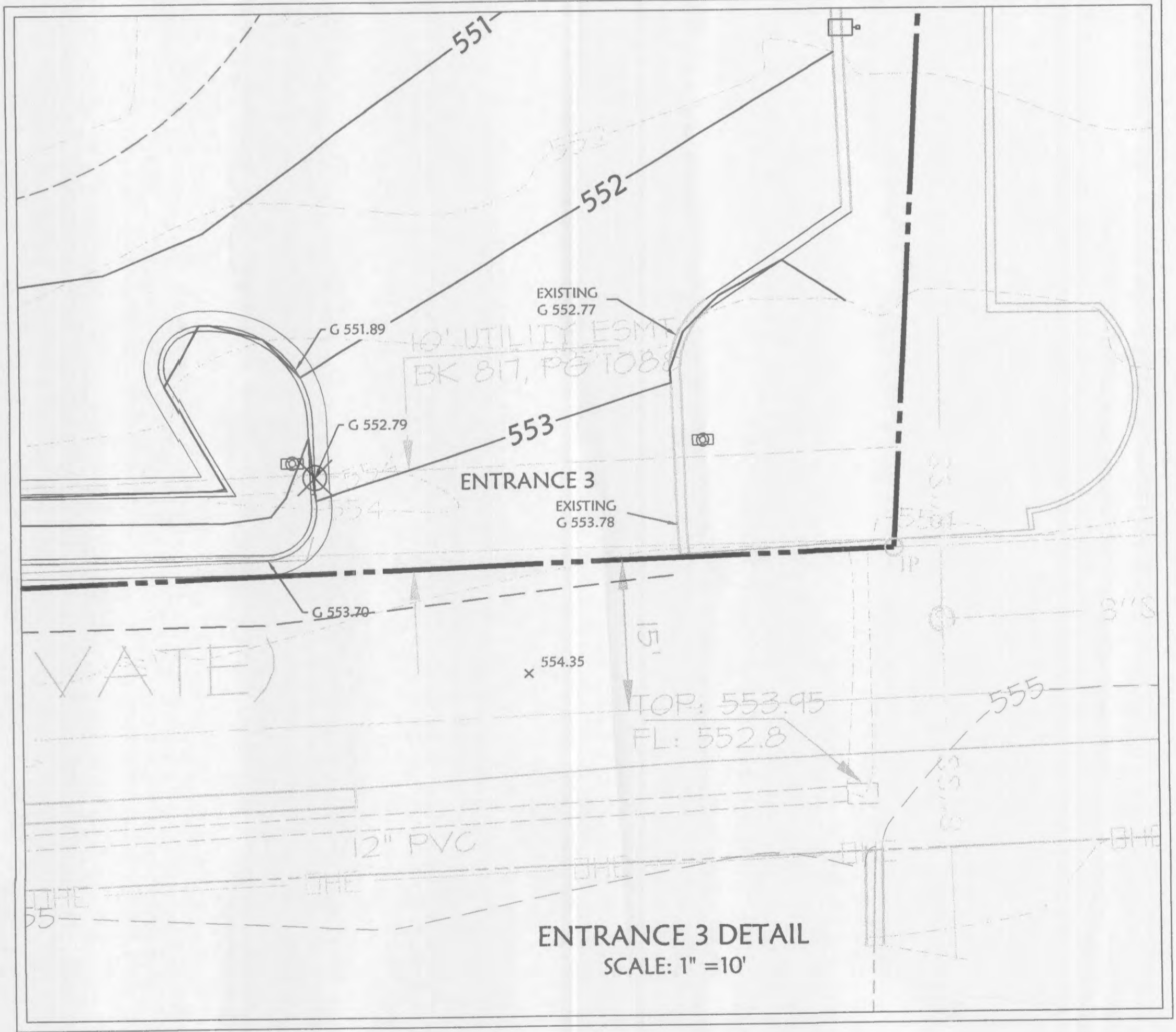


ENTRANCE 1 DETAIL
SCALE: 1" = 10'



ENTRANCE 2 DETAIL
SCALE: 1" = 10'



ENTRANCE 3 DETAIL
SCALE: 1" = 10'

SITE BENCHMARK:
X CUT IN CONCRETE APPROX. 37.5' NORTH OF
SOUTHWEST CORNER OF PROPERTY.
ELEVATION: 550.17



GRADING NOTES & DETAILS	
(XXX)	Items identified by the following symbols are shown on this sheet.
(C01)	MATCH EXISTING PAVING
(SDB)	CURB DRAINAGE CATCH BASIN

GRADING AND DRAINAGE NOTES:

INFORMATION PERTAINING TO UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATIONS WHEN POSSIBLE. BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES BY DIGGING TEST PITS HAND AT ALL UTILITY CROSSINGS IN ADVANCE OF MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR IF WHICH EVER IS LESS, CONTACT THE ENGINEER AND THE OWNER DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.

ALL STRUCTURES LOCATED WITHIN 8'-0" OR OTHERWISE NOTED ON THESE PLANS SHALL BE CONSTRUCTED PER THE HIGHWAY DEPARTMENT STANDARDS. IF STRUCTURES ARE NOT PROTOTYPICAL OR CONSTRUCTION CANNOT BE ACHIEVED CONTRACTOR SHALL SUBMIT SHOP DRAWING TO CLARK CIVIL ENGINEERING, INC. FOR REVIEW AND APPROVAL.

WHERE THE WORD PIPE IS USED ON THESE PLANS, THE CONTRACTOR HAS THE OPTION TO BID MATERIAL WITH n=0.02 OR LESS.

CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ON ADJUSTING EXISTING UTILITY LINE AS REQUIRED BY CUT AND FILL AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.

ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND END OF FLARED END SECTIONS.

RETAINING WALLS SHALL BE CONSTRUCTED TO EXTEND A MINIMUM OF 6 INCHES ABOVE THE TOP OF FINISHED GRADE. CONTRACTOR SHALL REFER TO THE RETAINING WALL PLANS FOR CONSTRUCTION AND DESIGN SPECIFICATIONS. CONTRACTOR SHALL NOTIFY CLARK CIVIL ENGINEERING, INC. IF RETAINING WALL PLANS DIFFER FROM THIS.

ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND 4" OF TOP SOIL APPLIED. THE AREA SHALL BE SEEDED AND WATERED UNTIL PASTY GRASS GROWTH HAS BEEN ESTABLISHED. (SEE LANDSCAPING GENERAL NOTES FOR SEEDING SPECIFICATIONS)

CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING THE SWPPP.

REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.

SCAFFRY AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3 INCHES BEFORE PLACING TOPSOIL PER OWNER/DEVELOPER, CITY AND/OR HIGHWAY DEPARTMENT STANDARDS AND SPECIFICATIONS.

CLEAR AND GRUB AREAS TO BE FILLED. REMOVE TREES, VEGETATION, ROOTS, OR OTHER DEBRIS, AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF THE FILL.

ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBER, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS UNSUITABLE FOR CONSTRUCTION. CONTRACTOR SHALL NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.

KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.

PERMANENTLY STABILIZE ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED (SEE EROSION CONTROL PLANS).

CONTRACTOR SHALL MATCH TOP OF PROPOSED DRAINAGE STRUCTURES WITH PROPOSED GRADES. IF A DISCREPANCY OCCURS BETWEEN PROPOSED GRADES AND PROPOSED STRUCTURE TOP, THE GRADING SHALL GOVERN. IF THE DISCREPANCY IS MORE THAN 4 INCHES THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

ALL UTILITIES, INCLUDING STORM SEWER, SHOWN WITHIN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED TO THE GOVERNING AGENCY'S SPECIFICATIONS. ALL OTHER UTILITIES SHALL BE CONSTRUCTED TO THE CLIENT'S OR THE GOVERNING AGENCY'S SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. IF THERE IS A QUESTION AS TO WHICH SPECIFICATIONS SHOULD APPLY THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, ALL FENCING, TREES, ETC. WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. UNLESS OTHERWISE NOTED, ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES AND/OR THE OWNER/DEVELOPER'S STANDARDS AND SPECIFICATIONS. (SEE DEMOLITION PLANS)

ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.

ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADS AND BE INSTALLED ACCORDINGLY.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE ON THE RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY STATE ONE CALL SYSTEM AND LOCATE ALL UTILITIES PRIOR TO GRADING START.

SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

AFTER PERMITS HAVE BEEN OBTAINED & EROSION CONTROL MEASURES INSTALLED, THE CONTRACTOR SHALL GRADE BUILDING PAD & ADJACENT 10'-0" TO 12'-0" OF SURFGRADE.

IMMEDIATELY APPLY & COMPACT STONE BASE FOR BUILDING PAD TO 4'-12" PRIOR TO EXCAVATING INTERIOR & PERIMETER FOOTINGS.

GENERAL CONTRACTOR SHALL PROVIDE 2' x 2' x 6" THICK CONCRETE APRON AT ALL CLEARANCES OUTSIDE OF BUILDING AND IN PAVED AREAS.

CITY NOTES:

CONNECTIONS AT ALL STORM STRUCTURES TO BE MADE WITH A LOCK JOINT OR EQUAL.

HORN PIPE IS TO BE 12-20" OR EQUAL AND TO MEET ASTM F1417 WATER TIGHT FIELD TEST.

ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER, PROPOSED ROADS, AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MOBERG ABERDORF LAB COMPACTON TEST OR 95% OF MAXIMUM DENSITY BY THE STANDARD PROCTOR TEST.

LAUNDRY 199: ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A JOLLS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. THE CONTRACTOR SHALL MEET THE ARCH REQUIREMENTS AS SET FORTH BY THE CITY, OR ADHERE TO THE GEOTECHNICAL RECOMMENDATIONS, WHICHEVER IS MORE STRINGENT.

CONTRACTOR SHALL PROVIDE 5/8" DIAMETER TRASH BAR FOR ALL INLETS.

NO SLOPES SHALL BE STEEPER THAN 3 HORIZONTAL TO 1 (VERTICAL).

BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF PROPOSED STORM SEWER STRUCTURES. PRE-CAST CONCRETE STRUCTURES ARE TO BE USED UNLESS OTHERWISE APPROVED BY THE CITY OF FALLON.

GRADING PROPOSED FEATURES	
(---)	BOUNDARY LINE
(---)	RIGHT OF WAY LINE
(---)	EASEMENT LINE
(---)	CONCRETE CURB AND GUTTER
(---)	FENCE
(---)	GUARD RAIL
(---)	RETAINING WALL
(---)	SANITARY SEWER SERVICE
(---)	WATER SERVICE
(---)	UNDERGROUND ELECTRIC SERVICE
(---)	UNDERGROUND TELEPHONE SERVICE
(---)	OVERHEAD ELECTRIC SERVICE
(---)	OVERHEAD TELEPHONE SERVICE
(---)	FIBER OPTIC CABLE SERVICE
(---)	GAS SERVICE
(---)	SPOT ELEVATIONS:
(---)	TC=TOP OF CURB
(---)	CG=HEIGHT OF CURB
(---)	TG=TOP OF GRADE (BEHIND TOP OF WALL)
(---)	RG=BOTTOM OF GRADE (AT FRONT OF WALL)
(---)	HP=HIGH POINT
(---)	LP=LOW POINT
(---)	EP=EDGE OF PAVEMENT
(---)	FE=FLARED END SECTION
(---)	RIP-RAP PAD (SEE EROSION PLANS FOR SIZE)
(---)	SANITARY SEWER MANHOLE
(---)	FIRE HYDRANT WITH GUARD POSTS
(---)	UTILITY POLE
(---)	WATER LINE TEE, BEND, VALVE, AND PLUG

PLANNING AND DEVELOPMENT FILE #2306
APPROVED AUGUST 2, 2007

STREET ADDRESS		101 MCDONALDS LANE	
CITY	STATE	STATUS	DATE
OFFALLON	MISSOURI	PRELIMINARY	-/-/-
COUNTY	PROJECT NO.	AS-BUILT	-/-/-
ST. CHARLES	06-0620		
REGIONAL DWG. NO.		ENTRANCE SPOT GRADES	
24/0130		C-6.2	

DATE	REV	DESCRIPTION
12/15/06	2	RESUBMITAL WITH REVISIONS TO MCDONALDS DRIVE
01/16/07	3	CITY COMMENTS
02/13/07	4	REMOVED LEFT TURN LANE ON MCDONALDS DRIVE
5/30/07	5	REMOVED LEFT TURN LANE ON MCDONALDS DRIVE
5/19/07	6	SUBMITTAL FOR PLANNING COMMISSION
6/15/07	7	RESUBMITAL FOR PLANNING COMMISSION
8/16/07	8	CITY SUBMITTAL
10/1/07	9	CITY COMMENTS 9-18-07
10/9/07	10	MODOT COMMENTS
12/18/07	11	CITY COMMENTS 11-8-07



*ASPHALT PAVEMENT SECTION TO BE 3" ASPHALT COURSE COMPACTED TO 95% DENSITY AND 18" COMPACTED STONE BASE COMPACTED TO 98% MODIFIED PROCTOR (PER GEOTECH SPECIFICATIONS).

(REFER TO MCDONALDS PROJECT MANAGER FOR FURTHER DETAILS)

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