

GENERAL NOTES

ABBREVIATIONS

1.

ALL DIMENSIONS AND DISTANCES SHOWN ON DRAWINGS PERTAINING TO TYPICAL DETAILS AND ROAD PLANS AND PROFILES ARE IN METRIC SYSTEM UNLESS OTHERWISE NOTED.
2.

ALL COORDINATES AND LEVELS ARE GIVEN IN METRES.
3.

FRL,INVERT LEVELS,SIZES OF EXISTING CULVERT WHICH ARE EMBEDDED UNDER GROUND SHOULD BE CONFIRM AT SITE BEFORE CONSTRUCTION.
4.

AVAILABLITY AND QUALITY OF EXISTING WATER BOUND MACADAM SHOULD BE CONFIRMED AT SITE.
5.

THE CONTRACTOR WILL ENSURE THAT ALL THE SUITABLE RECOVERED MATERIAL BY EXISTING ROADWAY EXCAVATION SHALL BE USED IN NEW CONSTRUCTION.
6.

EXISTING LAYER OF WBM WILL BE RECOMPACTED & USED AS A SUBBASE WHERE APPLICABLE.
7.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES AS SHOWN IN THE PLAN OR AS OTHER WISE ENCOUNTERED DURING CONSTRUCTION.
8.

THE UTILITIES LINES SHOULD BE RELOCATED ACCORDING TO THE INSTRUCTIONS OF ENGINEER AND TO THE SATISFACTION OF CONCERNED AUTHORITIES IN COORDINATION WITH RELEVENT DEPARTMENT.
9.

THE ENGINEER MAY VARY FEATURES OF DESIGN AS DEEMED NECESSARY TO CONFIRM TO THE VARYING SITE CONDITION DURING THE EXECUTION OF WORK OR AS MAY BE DISCOVERED FROM THE STAKE OUT SURVEY. ALL SUCH CHANGES SHALL BE GOVERNED BY THE RELEVANT CONTRACT CONDITIONS.
10.

THE GROUND HEIGHT, STRUCTURE LOCATIONS, ELEVATION, SKEW ANGLE AND GRADES SHALL BE CHECKED DURING STAKE OUT SURVEY BEFORE EXECUTION OF THE WORKS SUFFICIENTLY IN ADVANCE, ADJUSTMENTS IN THE RELEVANT DRAWINGS IF ANY SHALL BE APPROVED BY THE ENGINEER BEFORE EXECUTION.
11.

MINIMUM VERTICAL CLEARANCE FOR OVER HEAD UTILITIES CROSSING THE ROAD SHALL BE 5.5 METRES.
12.



SULPHATE RESISTANCE CEMENT WILL BE USED IN CURBS ,CURB & GUTTER & EDGE BLOCKS.
13.

BEFORE CLOSURE OF ROAD FOR CONSTRUCTION PROPER DIVERSION WILL BE PROVIDED FOR SMOOTH FLOW OF TRAFFIC.
14.

THE ENGINEER INCHARGE SHOULD BE CAREFULL ABOUT THE EXISTING SEWERAGE LINES OR DRAINAGE SYSTEM WHICH ARE SHOWING OR NOT SHOWING IN THE PLAN.
15.

THE ENGINEER INCHARGE SHOULD ENSURE UNNECESSARY CUTTING/REMOVAL OF TREES.

DWG.	DRAWING
HOR.	HORIZONTAL
VER.	VERTICAL
Km.	KILOMETRE
m.	METRE
mm.	MILLIMETRE
MAX.	MAXIMUM
MIN.	MINIMUM
MSL.	MEAN SEA LEVEL
NO.	NUMBER
N.T.S	NOT TO SCALE
R	RADIUS
R.O.W.	RIGHT OF WAY
Sq.	SQUARE
ST	STRAIGHT
STA	STATION
C/L	CENTER LINE
BR.	BRIDGE
BC	BOX CULVERT
SC	SLAB CULVERT
AC	ARCH CULVERT
PC	PIPE CULVERT
Lt/LT	LEFT
Rt/RT	RIGHT
SOP	SURVEY OF PAKISTAN
BM	BENCH MARK
R.C.C.	REINFORCED CEMENT CONCRETE
P.S.C	PRESTRESSED CEMENT CONCRETE
G.T.S.	GREAT TRIANGULATION SURVEY
FRL	FINSHED ROAD LEVEL
GR.L	GROUND LEVEL
U.G.	UNDER GROUND
PRM	PERMANENT REFERENCE MONUMENT
OH	OVER HEAD BRIDGE
T&T	TELEPHONE & TELEGRAPH
IP	INSPECTION PATH
F.P.	FOOT PATH
R.L	REDUCED LEVEL
TBM	TEMPORARY BENCH MARK
BOP	BEGNING OF PROJECT
EOP	END OF PROJECT
WP	WALL PROTECTION
FP	FOOT PATH
LFT	LEFT TURN

							<div>CLIENT:-</div> <div></div> <div>ENERGY DEPARTMENT SINDH COAL AUTHORITY</div>	<div>PROJECT:</div> <div>WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUJAWAL, BADIN INCLUDING BYPASSES (225 km) CONTRACT PACKAGE VIII</div>			
							<div>CONSULTANT:-</div> <div></div> <div>EA Consulting (Pvt.) Limited (Formerly Engineering Associates) CONSULTING ENGINEERS, ARCHITECTS, ECONOMISTS & PLANNING EXPERTS</div>	DRAWN BY	ZOHAIB	TITLE: GENERAL NOTES	
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