F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ.	T195	XX	XX	XX

ABBREVIATIONS*

AASHTO.....American Association of State Highway and Transportation Officials
AB.....Aggregate Base
AC.....Asphaltic Concrete
ACFC.....Asphalt Concrete Friction Course
ACI.....American Concrete Institute
ACP.....Asbestos Cement Pipe
ACSC.....Asphalt Concrete Surface Course
ADOT.....Arizona Department of Transportation
Ahd.....Ahead
AISC.....American Institute of Steel Construction
APS.....Arizona Public Service Company
Asph.....Asphalt
ASTM.....American Society for Testing Materials
AWS.....American Welding Society

B/C.....Back of Curb
BC.....Brass Cap
BCR.....Begin Curb Return
BCT.....Breakaway Cable Terminal
Bdy.....Boundary
Bev.....Bevelled)
BFS.....Begin Full Super
Blt.....Bituminous
Bk.....Back
Bkfl.....Backfill
BLM.....Bureau of Land Management
BM.....Bench Mark
Br.....Bridge

C&G.....Curb and Gutter
CAP.....Corrugated Aluminum Pipe
CAPA.....Corrugated Aluminum Pipe Arch
CB.....Catch Basin
CBC.....Concrete Box Culvert
CF.....Cubic Feet
CG.....Cattle Guard
CIP.....Cast Iron Pipe
CIPP.....Cast-In-Place Pipe
Cl.....Clear(ance)
CLD.....Concrete Lined Ditch
CMP.....Corrugated Metal Pipe
CO.....Clean Out
Conc.....Concrete
Conn.....Connection
Cont.....Continuous
Cor.....Corner
Corr.....Correction (VPI to VC)
Cr.....Crown
CSP.....Corrugated Steel Pipe
CSPA.....Corrugated Steel Pipe Arch
CTB.....Concrete Treated Base
CY.....Cubic Yards

D.....Degree of Curve
DA.....Drainage Area
DE.....Drainage Easement
Defl.....Deflection
Det.....Detail
DIP.....Ductile Iron Pipe
Drn.....Drain(age)
D/W.....Driveway
Dwg.....Drawing

E.....Electricity)
e.....External
ECR.....End Curb Return
EFS.....End Full Super
El.....Elevation
Emb.....Embankment
EP.....Edge of Pavement
Esmt.....Easement
Exc.....Excavation
Exist.....Existing)
Exp Jt.....Expansion Joint

F/C.....Face of Curb
FCDMC.....Flood Control District of Maricopa County
FF.....Finished Floor (Elevation)
FH.....Fire Hydrant
Fnd.....Found
Frwy.....Freeway

G.....Gutter (Flowline Elevation)
ga.....Gauge
GB.....Grade Break
GM.....Gas Meter
Gnd.....Ground
GP.....Guy Pole
Gr.....Grade
GR.....Guardrail
GV.....Gas Valve

HDPE.....High Density Polyethyline
Hdwl.....Headwall
HH.....Hand Hole
HW.....High Water

ID.....Inside Diameter
Inv.....Invert
Irr.....Irrigation

L.....Length of Curve
LC.....Long Chord
LF.....Lineal Feet
LS.....Lump Sum
Lt.....Left

MAG.....Maricopa Association of Governments
MGal.....1000 Gallons
Matl.....Material
MCDOT.....Maricopa County Department of Transportation
MH.....Manhole
Min.....Minimum
Mod.....Modify
Mon.....Monument

NC.....Normal Crown
NPI.....Non-pay Item
NPDES.....National Pollutant Discharge Elimination System
NTS.....Not to Scale

OC.....On Center
OD.....Outside Diameter

P.....Pavement (Surface Elevation)
Ped.....Pedestal
PC.....Point of Curvature
PCC.....Point of Compound Curvature
PCCP.....Portland Cement Concrete Pavement
PI.....Point of Intersection
POC.....Point on Curve
POT.....Point on Tangent
PP.....Power Pole
PRC.....Point of Reverse Curvature
Prel.....Preliminary
Proj.....Project
Prop.....Proposed
PRVC.....Point of Reverse Vertical Curvature
PT.....Point of Tangency
PVC.....Point of Vertical Curvature
PVC.....Poly Vinyl Chloride
PVI.....Point of Vertical Intersection
Pvmt.....Pavement
PVT.....Point of Vertical Tangency

Q.....Quantity of Drainage Runoff
Qtr.....Quarter

R.....Radius
R.....Range
RCP.....Reinforced Concrete Pipe
Rdwy.....Roadway
Rebar.....Reinforcing Bar
Reinf.....Reinforced(ing)
Reloc.....Relocate
Rem.....Remove
Ret.....Retaining)
RGRCP.....Rubber Gasket Reinforced Concrete Pipe
RR.....Railroad
Rt.....Right
R/W.....Right of Way

S.....Slope
Sch.....Schedule
SCS.....Soil Conservation Service
SD.....Storm Drain
SE.....Slope Easement
Sec.....Section
SF.....Square Feet
SG.....Subgrade
Shldr.....Shoulder
Shr.....Shrinkage
Sht.....Sheet
Sk.....Skew
SM.....Select Material
Specs.....Specifications (See Note 1)
SRP.....Salt River Project
SS.....Sanitary Sewer
Sta.....Station
Struc.....Structural
Subdiv.....Subdivision
Super.....Superelevation
Sw.....Swell
S/W.....Sidewalk
SWG.....Southwest Gas Corporation
SY.....Square Yards

T.....Tangent Length
T.....Township
TC.....Top of Curb
TCE.....Temporary Construction Easement
Trans.....Transition
Trrk.....Trash Rack
TS.....Traffic Signal Pole
Typ.....Typical

USW.....US West Communications

VC.....Vertical Curve
VCP.....Vitrified Clay Pipe
VG.....Valley Gutter

w/.....with
w/o.....without
WM.....Water Meter
WV.....Water Valve
WWF.....Welded Wire Fabric

* Standard dictionary abbreviations not included.

SYMBOLS*

Exist Rdwy Conc Items
Exist Edge of Pvmt
Exist R/W Line
Property Line
Railroad Tracks
Top of Cut
Toe of Slope
Trans Cut to Fill
Exist Barb Wire Fence
Exist Chain Link & Gate
Exist Block Wall & Gate
Exist Wood Fence
Exist Guardrail
Exist Water Line — 6"W (TYPE)
Exist Sanitary Sewer Line — 8"SS (TYPE)
Exist Buried Electric Line — E
Exist Electric Duct Bank — E-9D
Exist Gas Line — 2"G HP (TYPE)
Exist Irrigation Line — 24"IRR (TYPE)
Exist Storm Drain Line — 24"SD (TYPE)
Exist Buried Cable TV Line — TV
Exist Buried Telephone Line — T
Exist Fiber Optic Tel Line — T-FO
New Pipe
Minor Wash

Angle Point
Bench Mark
Feet per Foot
Center Line
Flow Line
Monument Line
Property Line or Plate
Section Line
Exist Manhole
Exist US Mail Box
Exist Util Valve
Exist Util Meter
Exist Gas Regulator
Exist Power or Joint Use Pole
Exist Steel Power Pole
Exist Guy Wire
Exist Street Light
Exist Util Ped
Exist Stand Pipe
Exist Fire Hydrant
Exist Street Sign
Exist Traf Cont Cab
Exist Traf Pull Box
Exist Traf Signal Pole
Exist Slope Direction

Tree or Hedge Line
Palm Tree
Deciduous Tree
Arid Tree
Conifer Tree
Saguaro Cactus
Misc Cactus
Cholla Cactus
Prickly Pear Cactus
Barrel Cactus
Exist Sign (1 Post)
Exist Sign (2 Posts)
Ground Surface
New Blt Pvmt (Section)
New Select Material (Section)
New ABC (Section)
Riprap (Plan)
New Blt Pvmt (Plan)
New Conc Pvmt (Plan)
Remove Pvmt (Plan)
New Conc (Section)
New Metal (Section)
New Curb & Gutter

* Symbols labeled on plans not included. Traffic Signal and Striping Symbols are on Shts __ and __ of the plans.

GENERAL NOTES

1. The work shown on the Plans for this project shall be performed in accordance with the Maricopa Association of Governments (M.A.G.) Uniform Standard Specifications for Public Works Construction 2007, and all revisions thereto, the Maricopa County Department of Transportation Supplement to M.A.G. Uniform Standard Specifications for Public Works Construction, 2007, and the Special Provisions attached hereto.
2. Standard Details refer to the MAG Uniform Standard Details for Public Works Construction unless noted otherwise.
3. All existing utility lines shown on the plans are from available utility records. The Contractor shall verify the actual location before starting construction. The Contractor shall contact "Blue Stake", (602) 263-1100, prior to beginning construction.
4. Utilities interfering with construction shall be reset or relocated by the utility company concerned unless noted otherwise.
5. Disposal of all waste material, broken concrete, etc. will be the responsibility of the contractor, subject to the approval of the Engineer.
6. All stations and callout distances left and right refer to the new construction centerline unless noted otherwise.
7. All trees, bushes and fences inside the existing right-of-way shall be removed by the contractor.
8. All paved turnouts shall have the same asphalt and base requirements as the adjacent roadway.
9. The Contractor shall obtain all the necessary permits from local governments for work within their jurisdiction.
10. The Contractor shall verify all bench mark elevations before using them for construction. BM's in utility poles are particulary susceptible to damage.
11. All mail boxes interfering with construction shall be relocated by the Contractor as to provide uninterrupted mail service. This is a non-pay item.

DESIGN DATA

WEST SEGMENT
SARIVAL TO 115TH AVE

CLASSIFICATION.....AASHTO URBAN PRINCIPAL ARTERIAL -FULL ACCESS CONTROL
TERRAIN.....LEVEL
DESIGN SPEED.....60 MPH

EAST SEGMENT
115TH TO 103RD AND 91ST TO 71ST

CLASSIFICATION..... MCDOT URBAN PRINCIPAL ARTERIAL
TERRAIN.....LEVEL
DESIGN SPEED.....55 MPH

BYPASS SEGMENT
103RD TO 91ST

CLASSIFICATION.....AASHTO URBAN PRINCIPAL ARTERIAL - FULL ACCESS CONTROL
TERRAIN.....LEVEL
DESIGN SPEED.....55 MPH

FLYOVER SEGMENT
71ST TO GRAND AVE (US 60)

CLASSIFICATION.....ADOT RAMP
TERRAIN.....LEVEL
DESIGN SPEED.....50 MPH

INDEX

G1 .....FACE SHEET
G2 .....GENERAL NOTES SHEET
G3 -G12 .....TYPICAL SECTIONS SHEETS
G13 - G37 .....GEOMETRIC LAYOUT SHEETS
G38 .....CURVE DATA TABLE
P1 - P132 ....PAVING PLAN AND PROFILE SHEETS
P133 - P158 ...CROSSROAD PLAN & PROFILE SHEETS
P160 - P171 ...CONNECTOR PLAN & PROFILE SHEETS
D2 - D67 .....DRAINAGE PLAN SHEETS
D68 - D90 .....CROSS DRAINAGE PLANS
I1 - I25 .....IRRIGATION PLAN SHEETS
S1 - S33 .....STRUCTURE SHEETS
T1 - T85 .....STRIPING SHEETS

BENCHMARK

City of Glendale Datum
(NGVD 29 Datum)
See Sheets G13 to G17

NO.	REVISION	BY	DATE
3	.	.	.
2	.	.	.
1	.	.	.

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION

NORTHERN PARKWAY
LOOP 303 TO GRAND AVENUE
PROJECT NO. T195

PRELIMINARY NOT FOR CONSTRUCTION

	BY	DATE
DESIGNED	R HOOKEY	01/08
DRAWN	P BACA	01/08
CHECKED	R MILES	01/08

URS

GENERAL NOTE SHEET — SHEET G2

TWO WORKING DAYS BEFORE YOU DIG, CALL 263-1100 BLUE STAKE

TRACS NO. 0000 MA MMA SS593 0/C

1/25/2008
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