LEGEND

	EXISTING BUILDING w/ AWNING
	EXISTING PAVEMENT
	EXISTING CONCRETE
—x—	EXISTING FENCE
S	EXISTING SEWER LINE
SMH	EXISTING SEWER MANHOLE
WV	WATER VALVE
WM	WATER METER
CONC.	CONCRETE
FH	FIRE HYDRANT
LT	LIGHT
ICV	IRRIGATION CONTROL VALVE
FF	FINISHED FLOOR
CO	CLEANOUT
BP	BACKFLOW PREVENTION ASSEMBLY
FL	FIRE LINE
C	CONCRETE
P	PAVEMENT
GR	GRATE
INV	INVERT
RD	ROOF DRAIN
SD	STORM DRAIN
W	WATER LINE
EB	ELECTRIC BOX
FDC	FIRE DEPARTMENT CONNECTION
CB	CATCH BASIN
AC	ASPHALT CONCRETE
G	GAS
*94.7	EXISTING SPOT ELEVATION
C=95.45	EXISTING ELEVATION
IRRIG	IRRIGATION
NF	NOT FOUND
	FIRE HYDRANT
	WATER VALVE
	BACKFLOW PREVENTION ASSEMBLY
C=92.30	NEW ELEVATION
TB	TOP OF CONCRETE PAVERS
TC	TOP OF CURB
G	GUTTER
TD	TOP OF TRENCH DRAIN
GB	GRADE BREAK
S	SAWCUT & MATCH
M	MATCH
	SLOPE
	DIRECTION OF DRAINAGE
GIL-351	TOWN OF GILBERT STD. DETAIL 351
TOG	TOWN OF GILBERT
	NEW CONCRETE
	NEW AC
	NEW CONCRETE PAVERS
	DECOMPOSED GRANITE
	NEW SEAL COAT

CONSTRUCTION NOTES

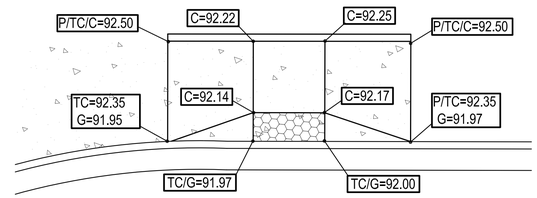
1. NEW 6" THICK CONCRETE SIDEWALK/ SLAB PER M.A.G. STD. DETAIL 230 WITH #4 REBAR AT 18" ON-CENTER EACH WAY OVER 6" OF LIME TREATED SOIL BASE (AS SPECIFIED IN REFERENCED GEOTECHNICAL ENGINEERING REPORT) ON COMPACTED SUBGRADE (95%).
2. NEW 3' WIDE VALLEY GUTTER (SEE DETAIL THIS SHEET).
3. INSTALL 6" WIDE TRENCH DRAIN. 9895 KLASSIKDRAIN WITH 9870-455-SSHD GRATE (SMITH MFG. CO)
4. 2" AC (C-3/4) OVER 8" OF LIME TREATED SOIL BASE ON COMPACTED SUBGRADE (95%)
5. DRAIN BASIN (TRAFFIC RATED GRATE) TO CONNECT TO TRENCH DRAIN AS SHOWN AND STORM DRAIN WITH 6" SDR-35 PIPE.
6. DRAIN BASIN (TRAFFIC RATED GRATE) TO CONNECT TO TRENCH DRAIN AS SHOWN AND STORM DRAIN WITH 6" VERTICAL RISER FROM BOTTOM OF TRENCH DRAIN TO TOP OF STORM DRAIN.
7. CONCRETE PAVERS (MODIFIED M.A.G. STD. DETAIL 225) OVER 6" THICK CONCRETE SLAB. (SEE NOTE (1)), TOP OF CONCRETE SLAB= TB-4". SEE ARCHITECTURAL PLANS FOR DETAILS AND PATTERN OF CONCRETE PAVERS.
8. REMOVE EXISTING DRAIN AND REPLACE WITH NEW 18" NYLOPLAST DRAIN BASIN (H-10, LOCKING GRATE). MATCH EXISTING INVERT AND CONNECT TO EXISTING STORM DRAIN
9. INSTALL 2' WIDE TRUNCATED DOMES AS SHOWN.
10. SIDEWALK RAMP PER M.A.G. STD. DETAIL 235-5 AND PER DETAIL ON THIS SHEET.
11. CONSTRUCT VERTICAL CURB AND GUTTER PER M.A.G. STD. DETAIL 220-1, TYPE "A" (HEIGHT VARIES PER ELEVATIONS SHOWN ON PLANS).
12. CONSTRUCT CATCH BASIN PER M.A.G. STD. DETAIL 535, TYPE "F" WITH 12" WIDE CONCRETE COLLAR WHERE SHOWN.
13. CONSTRUCT ROLL CURB AND GUTTER WITH 5' TRANSITION TO VERTICAL CURB & GUTTER.
14. 6" SDR-35 DRAIN UNDER SIDEWALK. SEE TRANSITION DETAIL AT BUILDING ON ARCHITECTURAL PLANS.
15. NEW CLEANOUT (M.A.G. STD. DETAIL 441)
16. 6" SDR-35 ROOF DRAIN. SEE TRANSITION DETAIL AT BUILDING ON ARCHITECTURAL PLANS
17. 8" SDR-35 DRAIN PIPE.
18. 6" SDR-35 DRAIN PIPE.
19. 10" SDR-35 DRAIN PIPE.
20. SLURRY SEAL COAT TO BE APPLIED AT END OF CONSTRUCTION. (MAG SPECIFICATION SECTION 332)
21. REPLACE EXISTING PAVEMENT IN-KIND.
22. NEW FENCE AND GATE. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION AND DETAILS.
23. CONTRACTOR TO LOCATE EXISTING STORM DRAIN PIPE AND VERIFY INVERTS. CONNECT NEW 10" STORM DRAIN TO EXISTING AS SHOWN.
24. REMOVE EXISTING ROOF DRAIN AND PLUG AS SHOWN. FILL AND COMPACT TRENCH.
25. CONSTRUCT THICKENED EDGE PER M.A.G. STD. DETAIL 201, TYPE "A".

* SEE DEMOLITION PLAN

ADJACENT WAYS (FIRE LANE) REPLACEMENT-SEE VIEW IN LOWER LEFT CORNER FOR SPECIFIC REPLACEMENT SCOPE AND NOTES

ADJACENT WAYS (FIRE LANE) SLURRY SEAL OF EXISTING FIRE LANE

ROLLED CONCRETE CURB



SIDEWALK RAMP DETAIL

N.T.S.

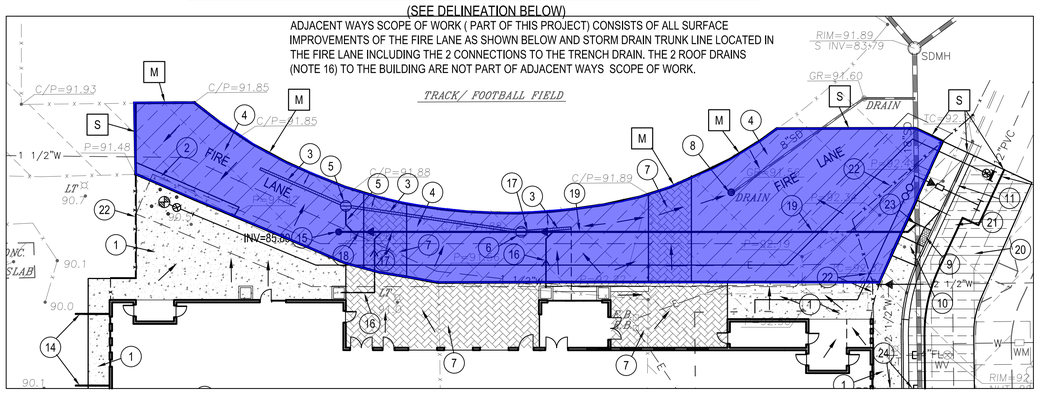
PAVING, CONCRETE, STORM DRAIN ESTIMATED QUANTITIES

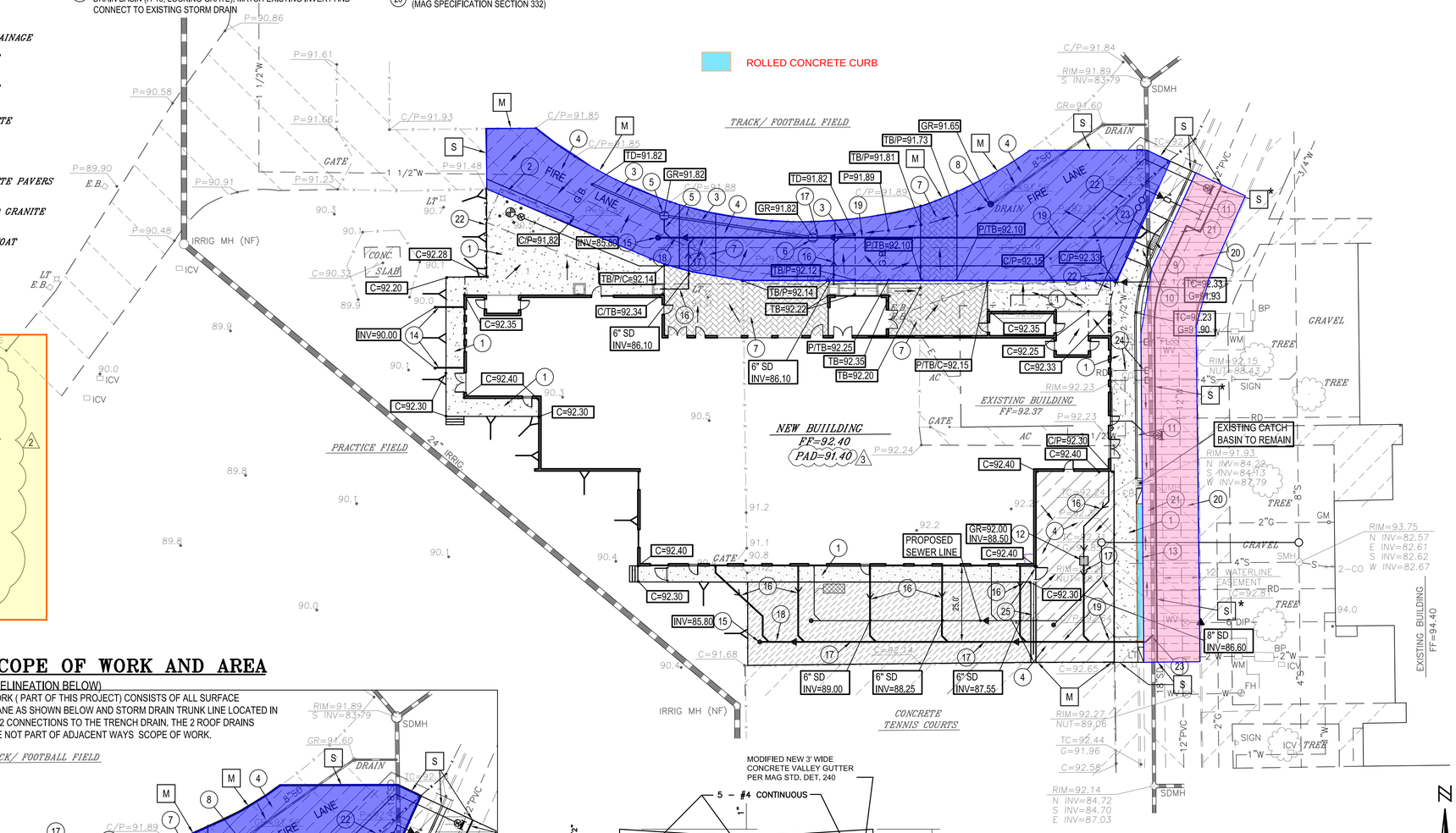
CURB & GUTTER	165 LF
CONCRETE SIDEWALK/ SLAB	3,550 S.F.
CONCRETE PAVERS	2,300 SF
VALLEY GUTTER	31 LF
A.C. PAVEMENT	800 SY
PAVEMENT REPLACEMENT	150 SY
SLURRY SEAL	320 SY
TRENCH DRAIN	100 LF
AREA DRAIN	3 EA
CATCH BASIN	1 EA
STORM DRAIN	360 LF
ROOF DRAIN	8 EA

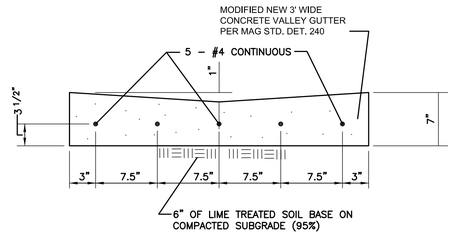
ADJACENT WAYS SCOPE OF WORK AND AREA

(SEE DELINEATION BELOW)

ADJACENT WAYS SCOPE OF WORK (PART OF THIS PROJECT) CONSISTS OF ALL SURFACE IMPROVEMENTS OF THE FIRE LANE AS SHOWN BELOW AND STORM DRAIN TRUNK LINE LOCATED IN THE FIRE LANE INCLUDING THE 2 CONNECTIONS TO THE TRENCH DRAIN. THE 2 ROOF DRAINS (NOTE 16) TO THE BUILDING ARE NOT PART OF ADJACENT WAYS SCOPE OF WORK.







MODIFIED VALLEY GUTTER DETAIL

N.T.S.

ROOF DRAIN DIRECTION OF FLOW

TBM

CHISELED "+" ON TOP OF CURB
ELEVATION = 92.81

1"=20'

20' 10' 0 20'

MARTIN ENGINEERING & SURVEYING, INC.
1734 E. FRIER DRIVE, PHOENIX ARIZONA, 85020 (602)944-5829

EXPIRES 9/30/21

Designed	Drafted	Checked
D.H.M.	B.C.T.	D.H.M.

3 TOWN COMMENTS 7/31/2020

GRADING AND DRAINAGE & STORM DRAIN PLAN FOR WILLIAMS FIELD HIGH SCHOOL FIELD HOUSE GILBERT, ARIZONA 85295

Job No.	Date	Revised
41004C	6/16/2020	7/9/2020 2 TOWN COMMENTS

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

Sht. 3 of 6

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