PRELIMINARY ENGINEERING PLANS FOR **ARLINGTON HEIGHTS POLICE STATION** VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS

	LEGEND	
	EXISTING	PROPOSED
SANITARY SEWER	8" PVC	8″ PVC
FORCE MAIN		
	12" RCP	12" RCP
STORM SEWER		
		UB
		0
	\bigcirc	•
		•
CLEANOUT	60	@
	WM	8 " WN
VALVE VAULT	\bigcirc	Θ
VALVE BOX	\bigcirc	E
FIRE HYDRANT	\bigcirc	¥
FLARED END SECTION	Δ	-
COMBINED SEWER		
STREET LIGHT/PARKING LOT LIGHT	Q	×
POWER POLE		-#-
STREET SIGN		▼
FENCE	xxx	××
GAS MAIN	- C C C C C	
OVERHEAD LINE	——— ОН ——— ОН ——	ОН ОН ОН ОН
TELEPHONE LINE	— T — — T — — T —	TTTT-
ELECTRIC LINE	— E ——— E ——— E —	EEEE
CABLE TV LINE	CATVCATV	CATV CATV CATV
HIGH WATER LEVEL		·HWL XXX ·
NORMAL WATER LEVEL		
CONTOUR LINE	XXX.XX	
TOP OF CURB ELEVATION	BC XXX.XX	TC XXX.XX
TOP OF DEPRESSED CURB	BC XXX.XX	TDC XXX.XX
PAVEMENT ELEVATION	P XXX.XX	P XXX.XX
SPOT ELEVATION	XXX•XX	xxx.xx
FINISHED FLOOR ELEVATION	FF = XXX.XX	FF = XXX.XX
TOP OF FOUNDATION	TF = XXX.XX	TF = XXX.XX
GRADE AT FOUNDATION	GF = XXX.XX	GF = XXX.XX
HIGH OR LOW POINT		() or (F)
OVERLAND FLOOD ROUTE		
PAVEMENT FLOW DIRECTION		2.0%
SWALE FLOW DIRECTION	<i>~~-</i>	<
DEPRESSED CURB AND GUTTER		
REVERSE CURB AND GUTTER		



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CLIENT: VILLAGE OF ARLINGTON HEIG

200 EAST SIGWALT STREET ARLINGTON HEIGHTS, ILLINOIS 60005 PHONE: 847-368-5250

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ABBREVIATIO)NS
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CFS CY DIA DIWM EL EP FF FES FT GF GF GR HDPE HYD	CUBIC YARD DIAMETER DUCTILE IRON WATER MAIN ELEVATION EDGE OF PAVEMENT FINISHED FLOOR FLARED END SECTION FOOT/FEET GUTTER ELEVATION GRADE AT FOUNDATION GRADE RING ELEVATION HIGH DENSITY POLYETHYLENE PIPE FIRE HYDRANT	HWI INL INV LF LP LT L/W MA MH NWI OCS PVC R CF RIM RT D
НМА	HOT MIX ASPHALT	RO۱

WL	HIGH WATER ELEVATION
L	INLET
	INVERT
:	LINEAL FEET/FOOT
V = >	LIGHT POLE
Г	LEFT
/ W	LOWEST GRADE ADJACENT
••	TO RETAINING WALL
AX	MAXIMUM
Η	STORM MANHOLE
IN	MINIMUM
WL	NORMAL WATER ELEVATION
CS	OUTLET CONTROL STRUCTURE
	PAVEMENT ELEVATION
VC	POLYVINYL CHLORIDE PIPE
	RADIUS
СР	REINFORCED CONCRETE PIPE
M	RIM ELEVATION
Т	RIGHT
	RIGHT OF WAY
• • •	

STA	SANITARY SEWER SANITARY MANHOLE STATION STORM SEWER SQUARE YARD STORMWATER POLLUTION PREVENTION PLAN TOP OF DEPRESSED CURE TOP OF CURB TOP OF FOUNDATION TOP OF RETAINING WALL TYPICAL VALVE BOX VERTICAL CURVE VALVE VAULT WALK ELEVATION WATER MAIN VERTICAL POINT OF INTERSECTION

SOURCE BENCHMARK:

VILLAGE OF ARLINGTON HEIGHTS MONUMENT 57. 3" BRASS DISK IN CONCRETE 35 FEET +/- NORTH OF THE CENTERLINE OF SOUTH STREET AND 23 FEET +/- WEST OF THE CENTERLINE OF HIGHLAND AVENUE AT THE NORTHWEST CORNER OF THE INTERSECTION. ELEVATION = 684.82 (NAVD 1988)

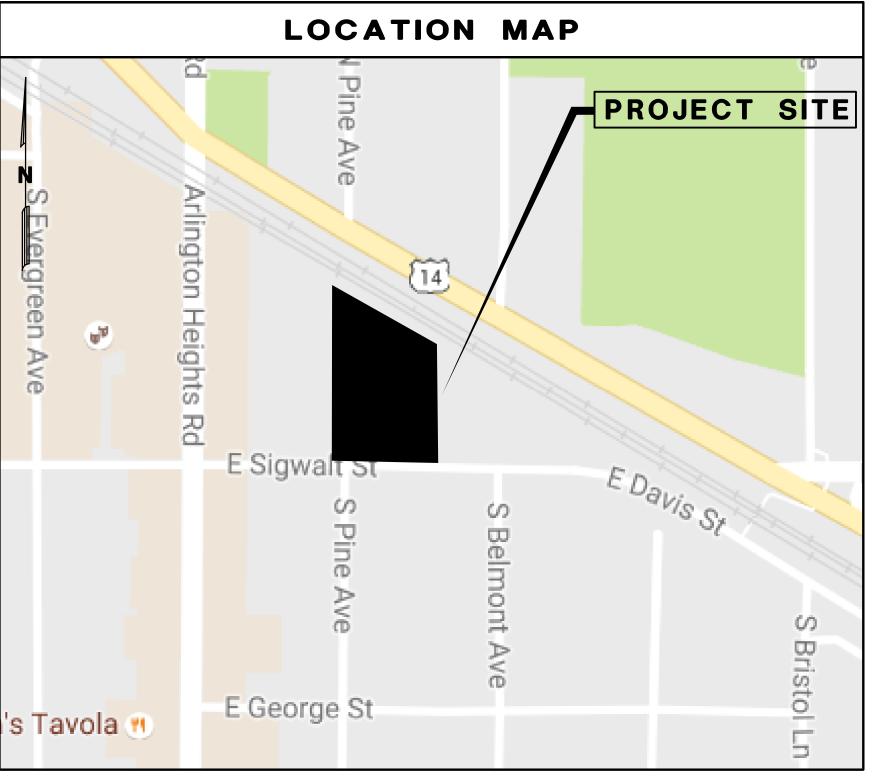
SITE BENCHMARKS:

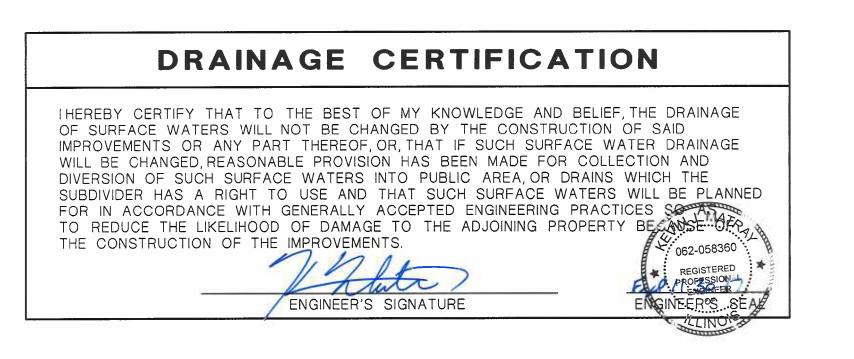
SITE BENCHMARK #3: NORTHEAST BONNET BOLT OF A FIRE HYDRANT LOCATED ON THE NORTH SIDE OF SIGWALT STREET NEAR THE SOUTHWEST CORNER OF THE MUNICIPAL BUILDING. ELEVATION = 685.99 SITE BENCHMARK #4: NORTHWEST BONNET BOLT OF A FIRE HYDRANT

LOCATED ON THE WEST SIDE OF ARLINGTON HEIGHTS ROAD NEAR THE NORTHWEST CORNER OF THE SITE. ELEVATION = 695.93

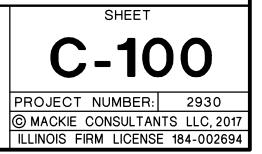


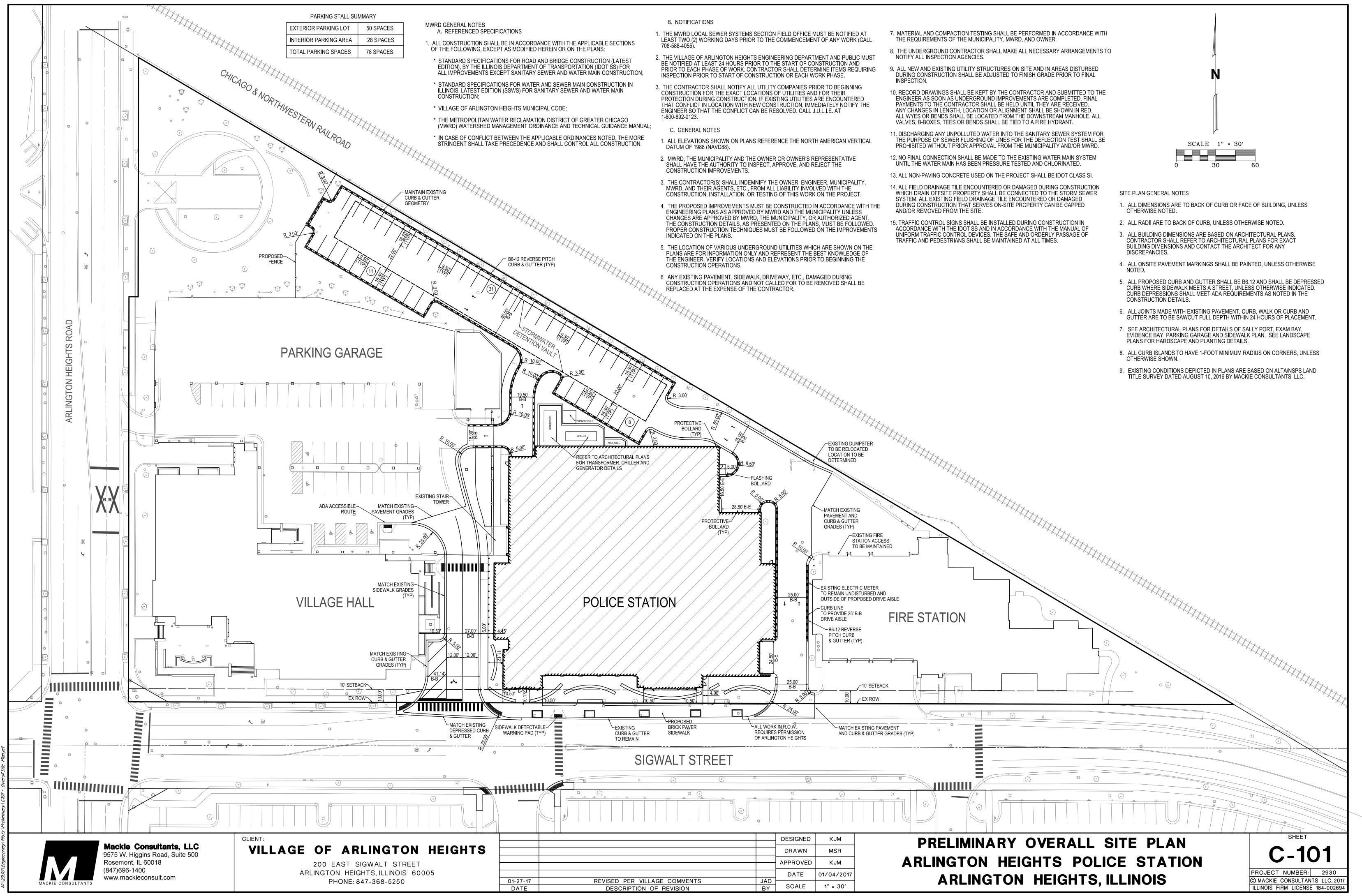
				DESIGNED	KJM	
GHTS				DRAWN	MSR	
				APPROVED	KJM	ARLIN
				DATE	01/04/2017	
	01-27-17 DATE	REVISED PER VILLAGE COMMENTS DESCRIPTION OF REVISION	JAD BY	SCALE	N.T.S.	A

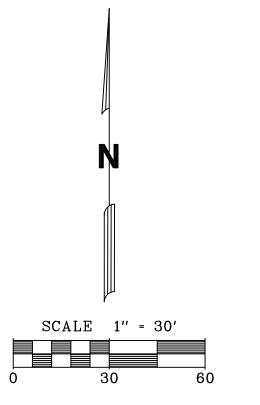


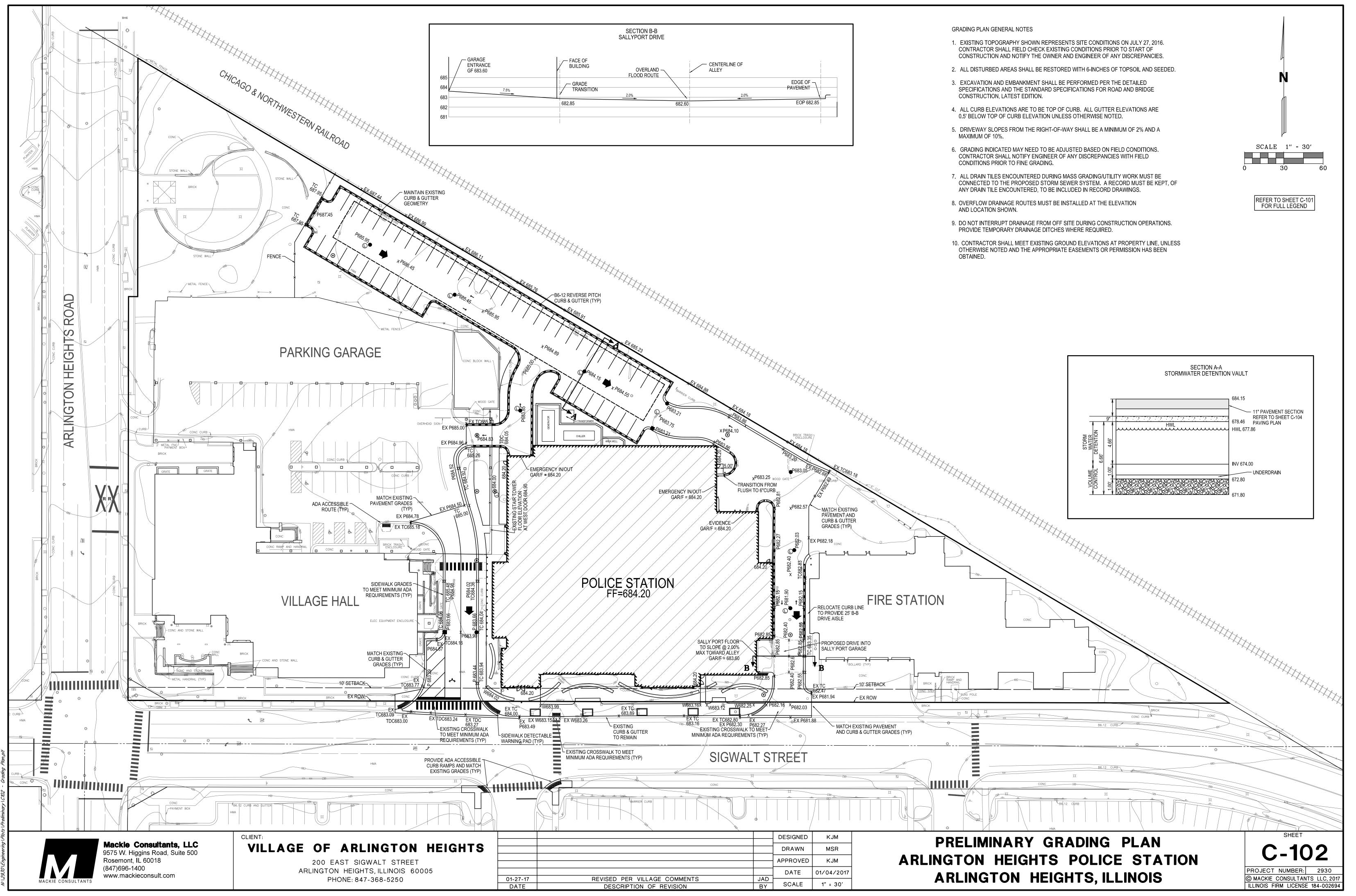


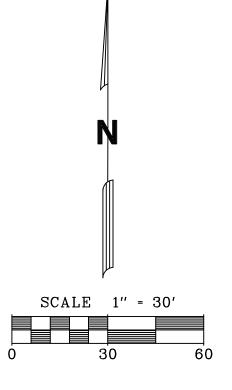
COVER SHEET NGTON HEIGHTS POLICE STATION **ARLINGTON HEIGHTS, ILLINOIS**



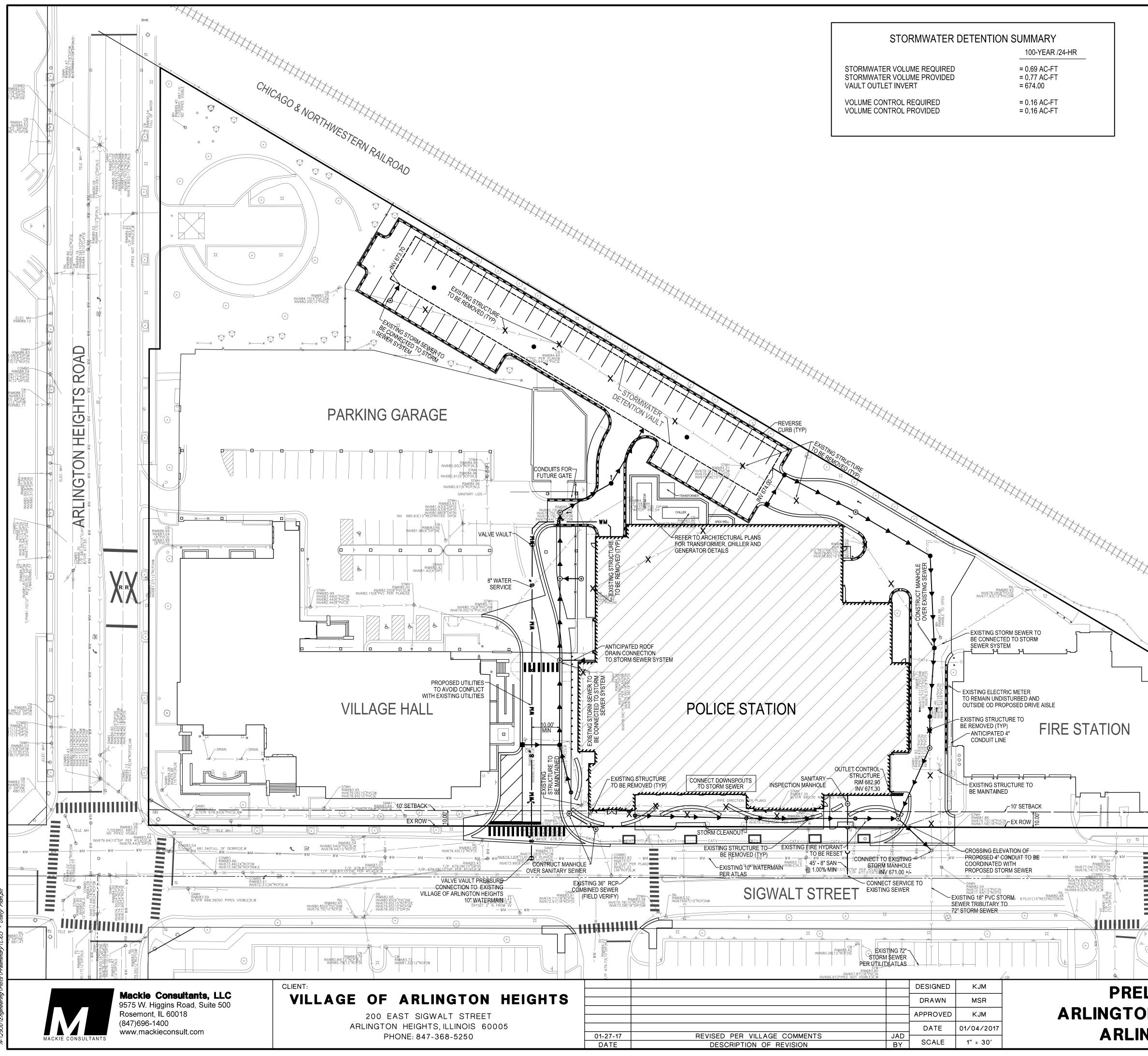






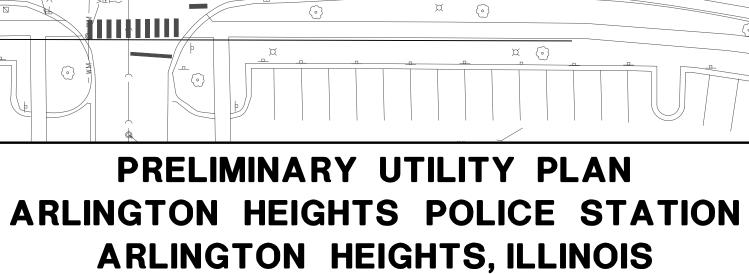






UNDERGROUND UTILITY GENERAL NOTES

- 1. ALL MANHOLES AND CATCH BASINS SHALL BE 48-INCH DIAMETER, UNLESS OTHERWISE INDICATED.
- 2. ALL SANITARY SEWER, LESS THAN 15 FEET DEEP, SHALL BE PVC, SDR 26, UNLESS OTHERWISE INDICATED. ALL SANITARY SEWERS GREATER THAN 15-FEET DEEP, SHALL BE DUCTILE IRON, CLASS 52, UNLESS OTHERWISE INDICATED. PVC SANITARY SEWER SHALL HAVE ELASTOMERIC JOINTS IN CONFORMANCE WITH ASTM D-3212.
- 3. ALL WATER MAIN SHALL BE DUCTILE IRON PIPE, CLASS 52, AWWA C-600 WITH "PUSH-ON" TYPE JOINTS, UNLESS OTHERWISE INDICATED. ALL WATER MAIN SHALL HAVE A MINIMUM OF 5'-6" OF COVER FROM TOP OF WATERMAIN TO FINISHED GRADE.
- 4. ALL STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE, MINIMUM CLASS III, WITH ASTM C76 PIPE AND C443 JOINTS, UNLESS OTHERWISE INDICATED. ALL STORM SEWERS WHICH ARE LOCATED IN THE SIDE YARD SHALL HAVE "O" -RING GASKETED JOINTS. ALL OTHER SEWERS SHALL HAVE BITUMINOUS MASTIC JOINTS.
- 5. GRANULAR TRENCH BACKFILL (CA-6) SHALL BE PROVIDED FOR ALL SANITARY, WATER AND STORM UTILITIES WHEN THE TRENCH LIMITS FALL WITHIN TWO FEET OF STREETS, SIDEWALKS, DRIVEWAYS AND AS NOTED ON THE SANITARY TRENCH DETAIL ON PAGE X. ALL TRENCHES WITHIN COOK COUNTY RIGHT-OF-WAY MUST BE TRENCH BACKFILLED WITH FA-6 SAND IN ACCORDANCE WITH ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 6. ALL WATERMAIN AND WATER SERVICE LINES SHALL BE PROTECTED FROM OTHER UTILITIES IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
- 7. ALL UNDERGROUND UTILITY INFORMATION NOTED ON THE PLANS IS BASED ON INFORMATION OBTAINED FROM THE MUNICIPALITY, UTILITY COMPANIES OR FIELD MEASUREMENTS. THIS INFORMATION, WHILE BELIEVED TO BE COMPLETE AND ACCURATE, CANNOT BE GUARANTEED.
- 8. CONTRACTOR SHALL VERIFY ALL BUILDING SERVICE LOCATIONS AND SIZES WITH ARCHITECTURAL PLANS PRIOR TO START OF CONSTRUCTION AND NOTIFY THE ENGINEER OR OWNER OF ANY DISCREPANCIES.
- 9. CONTRACTOR TO VERIFY CANOPY AND ROOF DRAIN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL PLANS BEFORE CONSTRUCTION.
- 10. SEE ARCHITECTURAL DRAWINGS FOR TRENCH DRAIN DETAILS AND SEWER CONNECTION LOCATIONS.
- 11. CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) PRIOR TO START OF CONSTRUCTION TO LOCATE ALL UTILITIES WITHIN THE RIGHT-OF-WAY.
- 12. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES AT ALL PROPOSED CONNECTIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY THE ENGINEER AND OWNER OF ANY DISCREPANCIES.
- 13. A TEN (10) FOOT MINIMUM SEPARATION SHALL BE PROVIDED BETWEEN THE WATERMAIN SERVICE AND THE SANITARY OR STORM SEWER SERVICES.
- 14. IN CASE OF CONFLICTS, THE MUNICIPALITY STANDARDS AND NOTES SHALL TAKE PRECEDENCE.
- 15. PLUMBING CONTRACTOR TO MAKE ALL CONNECTIONS WITH BUILDING SERVICES CONSTRUCTED BY UTILITY CONTRACTOR. SITE UTILITY CONTRACTOR TO CONSTRUCT SERVICES TO WITHIN 5-FEET OF BUILDING, EXCEPT WATER INTO BUILDING 1-FOOT ABOVE FLOOR WITH BLIND FLANGE AND PROVIDE TESTING.
- 16. EXISTING PAVEMENT REMOVED FOR UTILITY CONSTRUCTION SHALL BE DONE BY THE RESPECTIVE UTILITY COMPANY AND PAID FOR SEPARATELY BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THIS WORK INCIDENTAL TO THE CONTRACT.
- 17. EXISTING OR PROPOSED MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS REQUIRING OVER 12-INCHES OF ADJUSTMENT RINGS SHALL USE AN ADDITIONAL BARREL SECTION TO MAINTAIN A MAXIMUM OF 12-INCH TOTAL ADJUSTMENT RING DEPTH.



0MB0 RIM680.55 INV669.45(36"RCP PER ATLAS)₩ INV669.35(36"RCP PER ATLAS)F

C-103 PROJECT NUMBER: 2930 © MACKIE CONSULTANTS LLC, 201 ILLINOIS FIRM LICENSE 184-00269

SHEET

/ W RIM680.65 T/P 674.35 (PIPES NOT VISIBLE)E,W

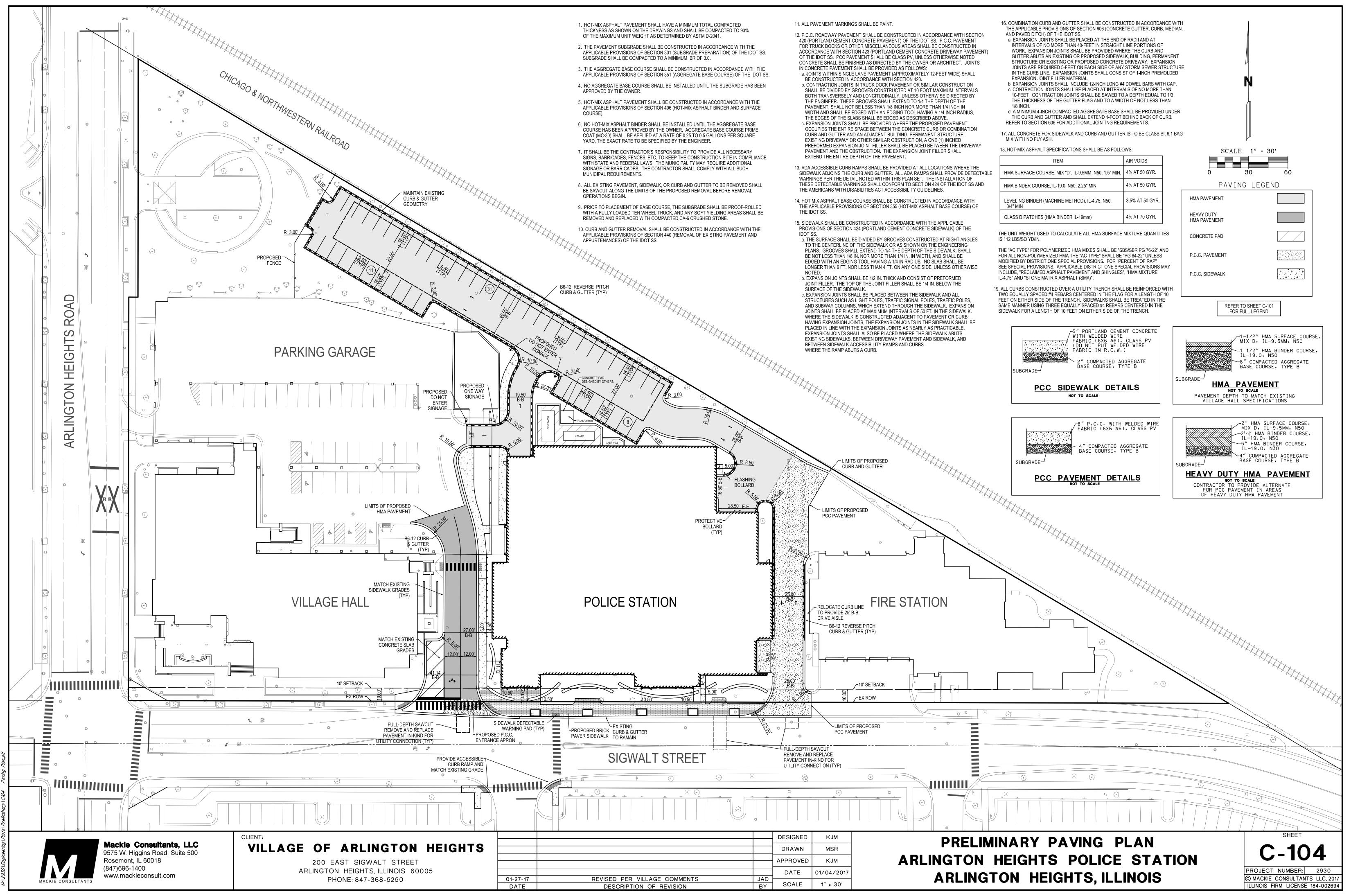
SCALE 1" = 30'

30

REFER TO SHEET C-101

FOR FULL LEGEND

60



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