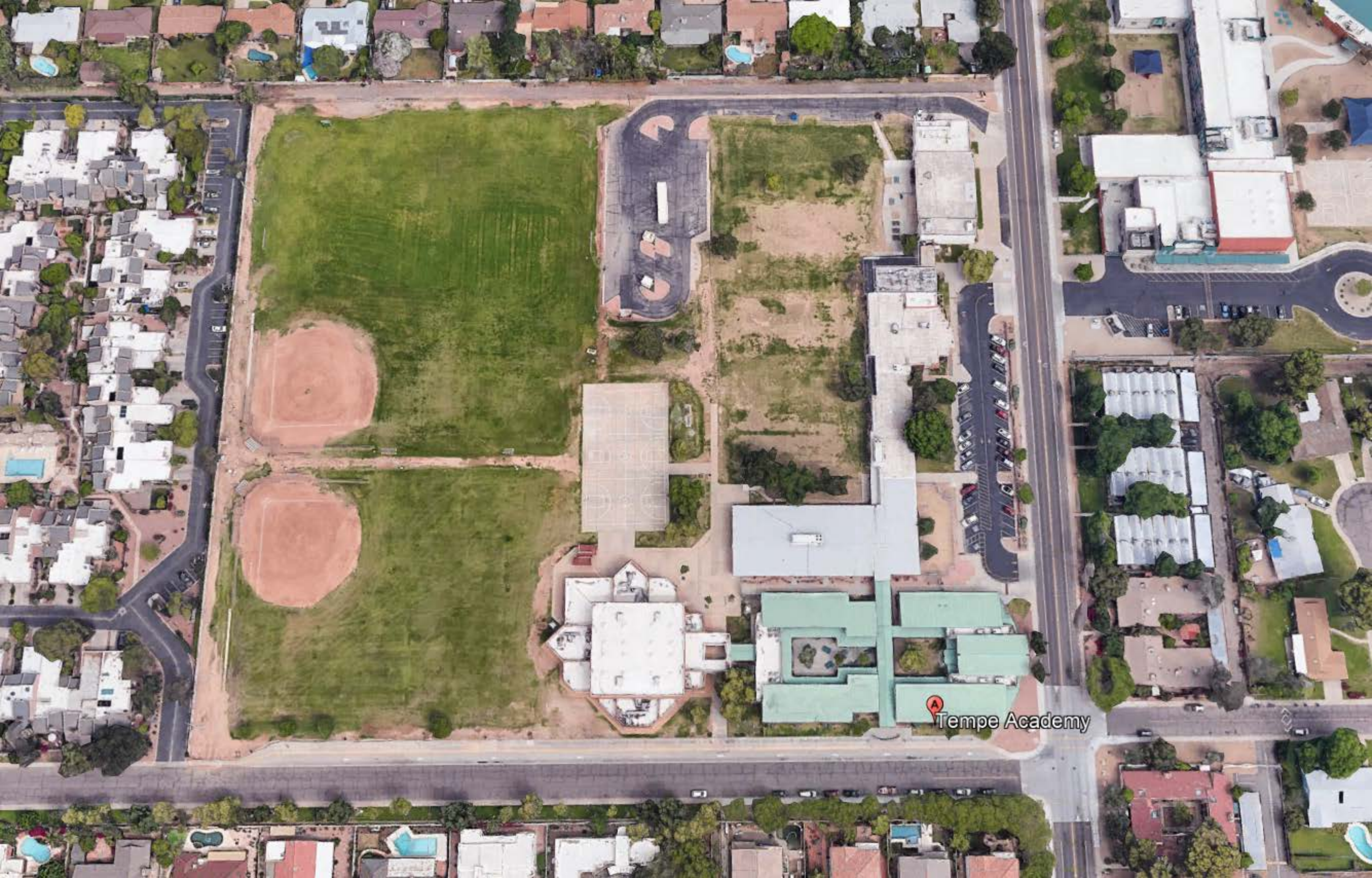
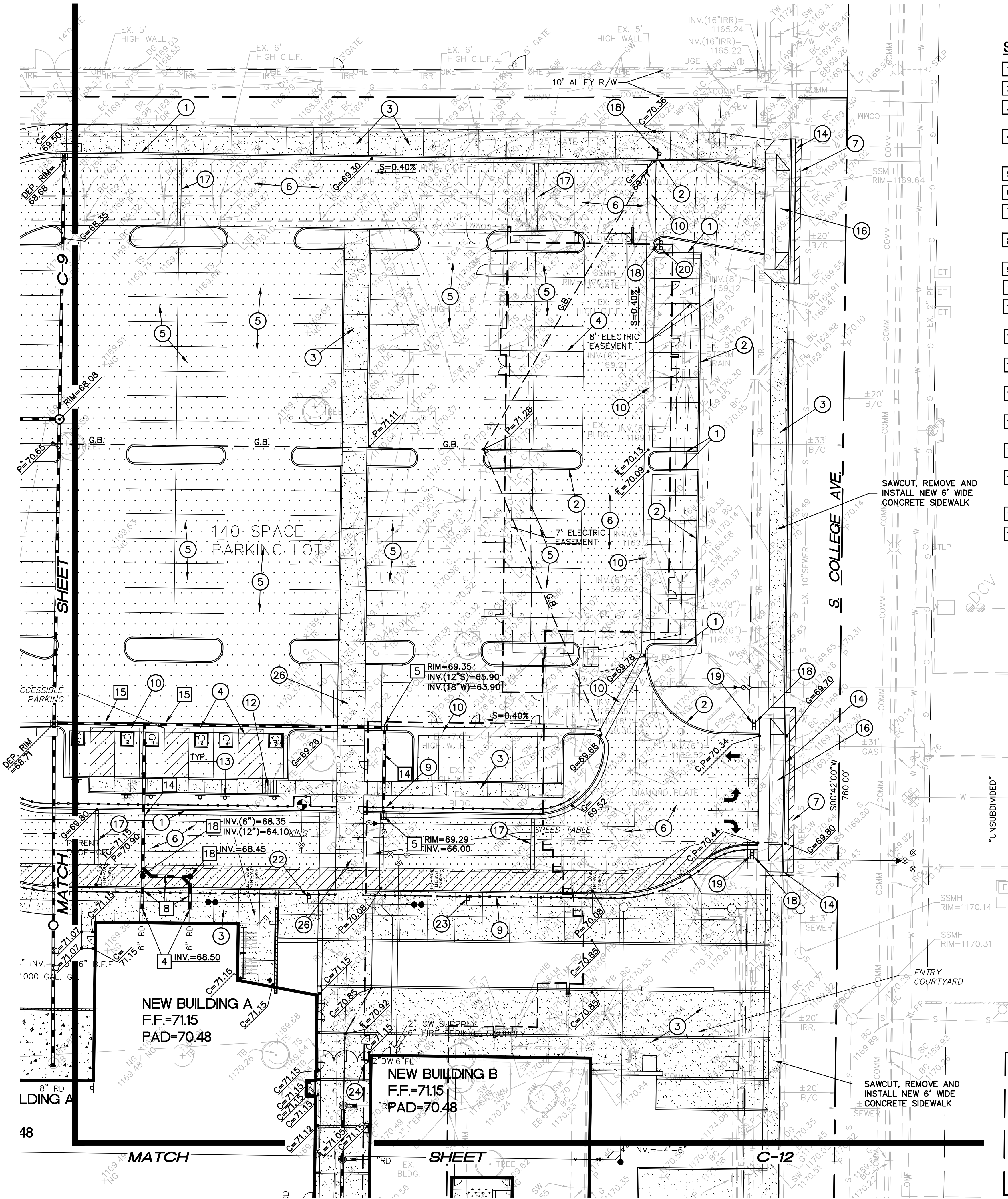




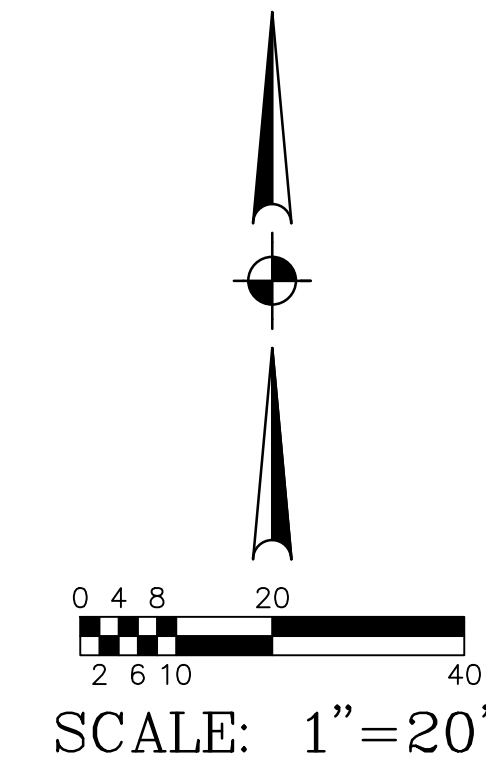
Tempe Academy



- STORM DRAIN CONSTRUCTION NOTE:**
1. INSTALL AREA DRAIN.
 2. CONSTRUCT CATCH BASIN (MAG STANDARD DETAIL NO. 537, DOUBLE).
 3. CONSTRUCT CATCH BASIN TYPE 'D' (MAG STANDARD DETAIL NO. 533-1, L=10 FEET).
 4. CONNECT TO ROOF DRAIN OR DOWNSPOUT WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING OR ARCHITECTURAL DRAWINGS FOR CONTINUATION.
 5. INSTALL CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).
 6. CONSTRUCT DUAL CHAMBER DRYWELL.
 7. INSTALL STORM DRAIN MANHOLE (MAG STANDARD DETAIL NO.'S 520 AND 522).
 8. INSTALL NEW 6" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIORS AND 10.8 P.S.I. JOINTS.
 9. INSTALL 18" PLASTIC IRRIGATION PIPE (PIP), SDR-51.
 10. INSTALL PASTURE VALVE.
 11. INSTALL PRESSURE MANHOLE (MAG STANDARD DETAIL NO. 520, 522 AND 523-1, -2).
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 18. INSTALL STORM DRAIN CLEANOUT.
 19. CONSTRUCT IRRIGATION STAND PIPE (MAG STANDARD DETAIL NO. 503, TYPE 'B'). INSTALL HEAD GATE ON NORTH SIDE OF STAND PIPE.

GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230). SEE LANDSCAPE PLANS FOR SCORING AND FINISH. MAXIMUM CONTRACTION JOINT SPACING SHALL BE 10' ON CENTER.
4. PAINT STRIPE THE PARKING TO THE ALIGNMENTS INDICATED INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, HANDICAP PARKING SYMBOLS SPEED BUMPS, ETC.
5. INSTALL ASPHALTIC CONCRETE PAVEMENT (2" A.C. (3/4 INCH) OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN PARKING STALLS.
6. INSTALL ASPHALTIC CONCRETE PAVEMENT (3" A.C. (3/4 INCH) OVER 8" A.B.C. OVER COMPACTED SUBGRADE) IN DRIVEWAY AREAS.
7. SAWCUT, REMOVE AND REPLACE 2' OF EXISTING A.C. PAVEMENT IN KIND.
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9. INSTALL NEW FENCE/GATE. SEE LANDSCAPE PLANS FOR DETAILS.
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11. INSTALL 7" THICK CONCRETE PAVING (MAG AA CONCRETE, 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS).
12. CONSTRUCT SIDEWALK RAMP, TYPE 'B'.
13. INSTALL HANDICAP PARKING SIGN (CITY OF TEMPE STANDARD DETAIL NO. T-360).
14. SAWCUT, REMOVE AND REPLACE EXISTING CONCRETE VERTICAL CURB AND GUTTER TO THE NEAREST JOINT OR AS DIRECTED BY CITY INSPECTOR (MAG STANDARD DETAIL NO. 220-1, TYPE A).
15. EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE.
16. INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF TEMPE STANDARD DETAIL NO. T-320).
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18. INSTALL "DO NOT ENTER" (M.U.T.C.D. R5-1) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
19. INSTALL "STOP" SIGN (M.U.T.C.D. R1-1, 30" X 30") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
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DLR Group
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Arizona State License
No. 0000000000

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CONSULTING ENGINEERS & LAND SURVEYORS
9831 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044 (480)496-0244

Tempe Academy of International Studies
McKerny Campus

GMP SET

12-06-19
Revisions
00-00-00

30-19176-00

GRADING AND DRAINAGE PLAN

10 OF 16
C-10

EXPIRES 9-30-22

H-R #1907-08

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Toll 8-1-1 or 1-800-STAKE-IT (782-5346)
In Maricopa County: (602) 263-1100

LDING A

48

MATCH

SHEET

C-10

NEW BUILDING A
F.F.=71.15
PAD=70.48

NEW BUILDING B
F.F.=71.15
PAD=70.48

PHASE LINE

S. COLLEGE AVE.

SHEET

BROADMOR DRIVE

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SCALE: 1"=20'

DLR Group

PROFESSIONAL
REGISTERED
ENGINEER
EXPIRES 9-30-22

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H-R #1907-08

Tempe Academy of International Studies
McKerny Campus

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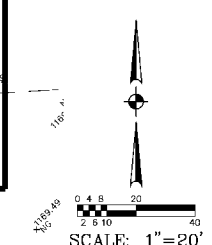
12-06-19
Revisions
00-00-00

30-19176-00

GRADING AND
DRAINAGE PLAN

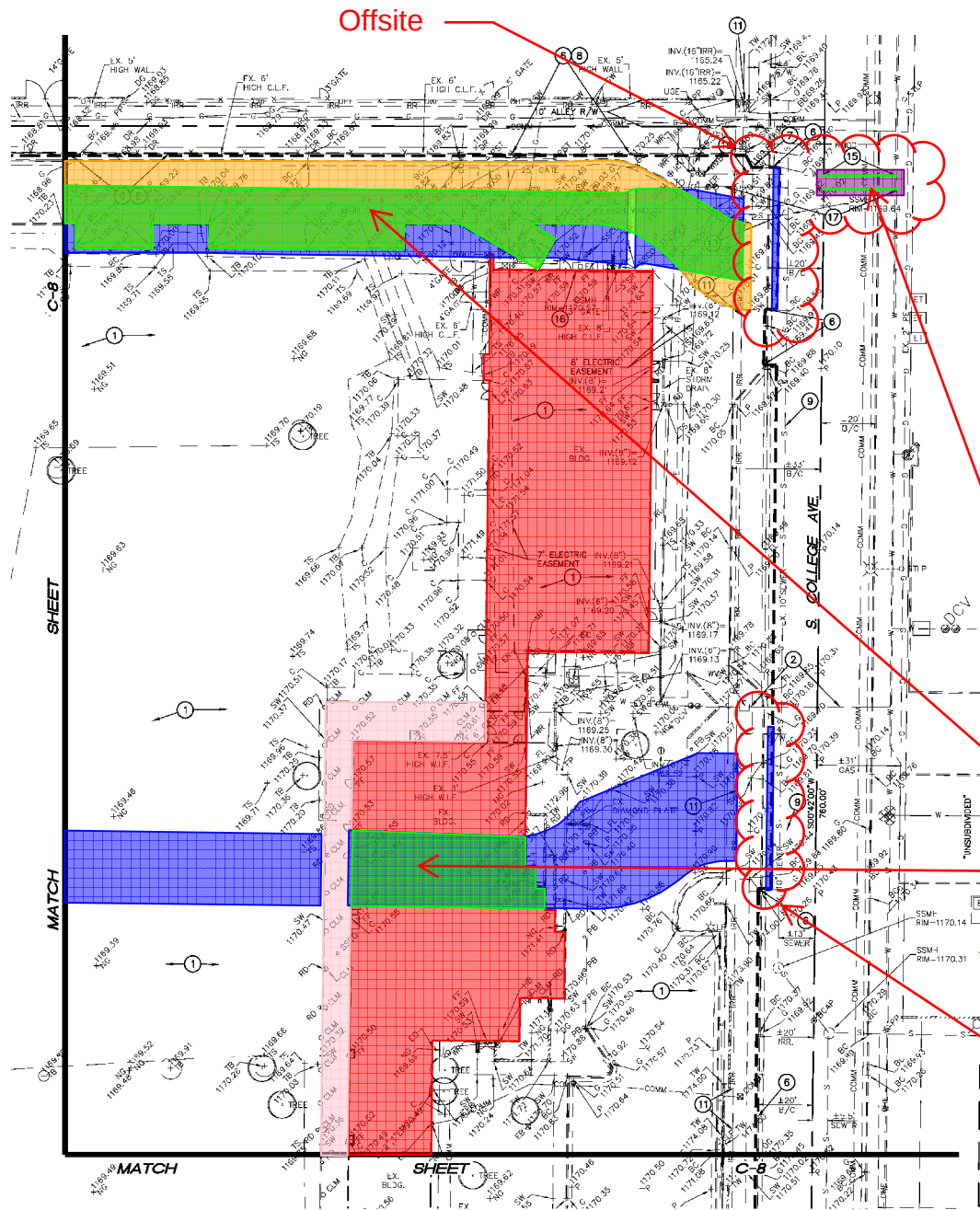
12 OF 16
C-12

Call at least two full working days
before you begin excavation.
ARIZONA
Arizona Blue Stake, Inc.
In Maricopa County: (602) 853-1100



- 1 WITHIN DEMOLITION AREA, REMOVE AND IDEALLY DISPOSE OF ALL BUILDINGS, CONCRETE, ASPHALT, A.B.C. CONCRETE SIDEWALKS, WALLS, CURBS, TREES, FENCES AND ANY UNIMPROVEDS EXCEPT ITEMS NOTED TO REMAIN AND BE PROTECTED OR TO BE REMOVED AND SALVAGED. ALL UTILITIES ARE TO BE REMOVED, UNLESS NOTED OTHERWISE.
- 2 EXISTING WATER METER, VAULT AND SERVICE LINE TO REMAIN. PROTECT FROM DAMAGE.
- 3 EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE.
- 4 EXISTING COMMUNICATION LINE AND/OR ELECTRICAL LINE TO REMAIN. PROTECT FROM DAMAGE.
- 5 EXISTING WATER LINE AND FIRE HYDRANT TO REMAIN. PROTECT FROM DAMAGE.
- 6 PROTECT EXISTING CONCRETE SINGLE CURB OR CONCRETE VERTICAL CURB AND GUTTER FROM DAMAGE.
- 7 PROTECT EXISTING CONCRETE PAVEMENT/SIDEWALK/VALLEY GUTTER APRON FROM DAMAGE.
- 8 EXISTING BLOCK WALL OR CHAIN LINK FENCE TO REMAIN AND BE PROTECTED FROM DAMAGE.
- 9 PROTECT EXISTING A.C. PAVEMENT FROM DAMAGE.
- 10 EXISTING GAS LINE TO REMAIN AND BE PROTECTED.
- 11 EXISTING CONCRETE FLOOD IRRIGATION LINE AND JUNCTION BOX TO REMAIN AND BE PROTECTED FROM DAMAGE.
- 12 EXISTING BASKETBALL COURT TO REMAIN AND BE PROTECTED FROM DAMAGE.
- 13 EXISTING SEWER SERVICE TO BE ABANDONED PER CITY OF TEMPE REQUIREMENTS. REMOVE SEWER SERVICE TO MAIN SEWER LINE AND CAP AT THE MAIN.
- 14 EXISTING ELECTRICAL EQUIPMENT OR POWER POLE TO REMAIN. PROTECT FROM DAMAGE.
- 15 EXISTING WATER METER AND SERVICE TO BE SALVAGED AND REMOVED PER CITY OF TEMPE REQUIREMENTS. REMOVE SERVICE TO CORPORATION STREET AND INSTALL WATERMETER CAP.
- 16 REMOVE EXISTING ELECTRICAL OR COMMUNICATION LINES AND EQUIPMENT. REMOVE EXISTING LIGHT POLE, BASE AND CONDUIT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE WORK WITH THE APPLICABLE UTILITY COMPANIES.
- 17 REMOVE EXISTING FIRE LINE SERVICE TO THE MAIN PER CITY OF TEMPE REQUIREMENTS.

1. EXISTING STRUCTURES, MATERIALS, LANDSCAPING, ETC., THAT ARE TO REMAIN, WHICH ARE DAMAGED IN THE PERFORMANCE OF THE WORK, ARE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE IN KIND. THE OWNER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF REPAIR OR REPLACEMENT.
2. ALL NON-SALVAGE ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. SECURITY AND SAFETY ARE THE CONTRACTOR'S SOLE RESPONSIBILITY.
4. ALL UTILITIES ARE TO BE REMOVED (WATER, SEWER, TELEPHONE, STORM DRAIN, FLOOD IRRIGATION, GAS, ETC.) UNLESS NOTED OTHERWISE. COORDINATE WITH UTILITY COMPANIES. REMOVAL TO BE PERMITTED BY THE CONTRACTOR.
5. SAWCUT SIDEWALKS AND CONCRETE AT NEAREST JOINT OR AS DIRECTED BY THE CITY INSPECTOR.
6. SAWCUT ASPHALTIC CONCRETE AT LIMITS OF DEMOLITION AS SHOWN ON PLANS OR AS DIRECTED BY THE CITY INSPECTOR.
7. SALVAGE ITEMS NOT BEING REINSTALLED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.
8. ALL SPRINKLER IRRIGATION LINES WITHIN THE DEMOLITION AREA SHALL BE REMOVED AND CAPPED AT THE PERIMETER OF THE DEMOLITION AREA.
9. SEE ARCHITECTURAL AND LANDSCAPE PLANS FOR ITEMS THAT NEED TO BE SALVAGED.



- Building Demolition Phase 1
- Canopy Demolition Phase 1
- 3" AC Over 8" ABC
- Existing Asphalt
- Building Demolition within Adjacent Ways
- Pavement / Curb Demolition within Adjacent Ways
- Asphalt Removal & Patch Back for Utility Capping
- Utility Capping

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GENERAL DEMOLITION NOTES:

1. EXISTING STRUCTURES, MATERIALS, LANDSCAPING, ETC., THAT ARE TO REMAIN, WHICH ARE DAMAGED IN THE PERFORMANCE OF THE WORK, ARE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE IN KIND. THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF REPAIR OR REPLACEMENT.
2. ALL NON-SALVAGE ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
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Adjacent Ways Work

Offsite

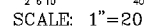
SCALE: 1"=20'

"TEMPE ESTATES"
BOOK 70, PAGE 23
M.C.R.



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3" AC Over 8" ABC

Offsite

STORM DRAIN CONSTRUCTION NOTE:

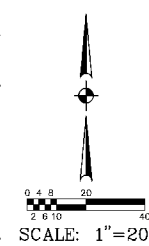
1. INSTALL AREA DRAIN.
2. CONSTRUCT CATCH BASIN (MAG STANDARD DETAIL NO. 537, DOUBLE).
3. CONSTRUCT CATCH BASIN TYPE 'D' (MAG STANDARD DETAIL NO. 533-1, L=10 FEET).
4. CONNECT TO ROOF DRAIN OR DOWNSPOUT WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING OR ARCHITECTURAL DRAWINGS FOR CONTINUATION.
5. INSTALL CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).
6. CONSTRUCT DUAL CHAMBER DRYWELL.
7. INSTALL STORM DRAIN MANHOLE (MAG STANDARD DETAIL NO.'S 520 AND 522).
8. INSTALL NEW 6" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIORS AND 10.8 P.S.I. JOINTS.
9. INSTALL 18" PLASTIC IRRIGATION PIPE (PIP), SDR-51.
10. INSTALL PASTURE VALVE.
11. INSTALL PRESSURE MANHOLE (MAG STANDARD DETAIL NO. 520, 522 AND 523-1, -2).
12. CONNECT NEW 18" PLASTIC IRRIGATION PIPE TO EXISTING IRRIGATION JUNCTION BOX WITH A WATERTIGHT CONNECTION.
13. INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIORS AND 10.8 P.S.I. JOINTS.
14. INSTALL NEW 12" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIORS AND 10.8 P.S.I. JOINTS.
15. INSTALL NEW 18" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIORS AND 10.8 P.S.I. JOINTS.
16. INSTALL NEW 24" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIORS AND 10.8 P.S.I. JOINTS.
17. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING ELECTRICAL, COMMUNICATION AND SEWER LINES PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
18. INSTALL STORM DRAIN CLEANOUT.
19. CONSTRUCT IRRIGATION STAND PIPE (MAG STANDARD DETAIL NO. 503, TYPE 'B'). INSTALL HEAD GATE ON NORTH SIDE OF STAND PIPE.

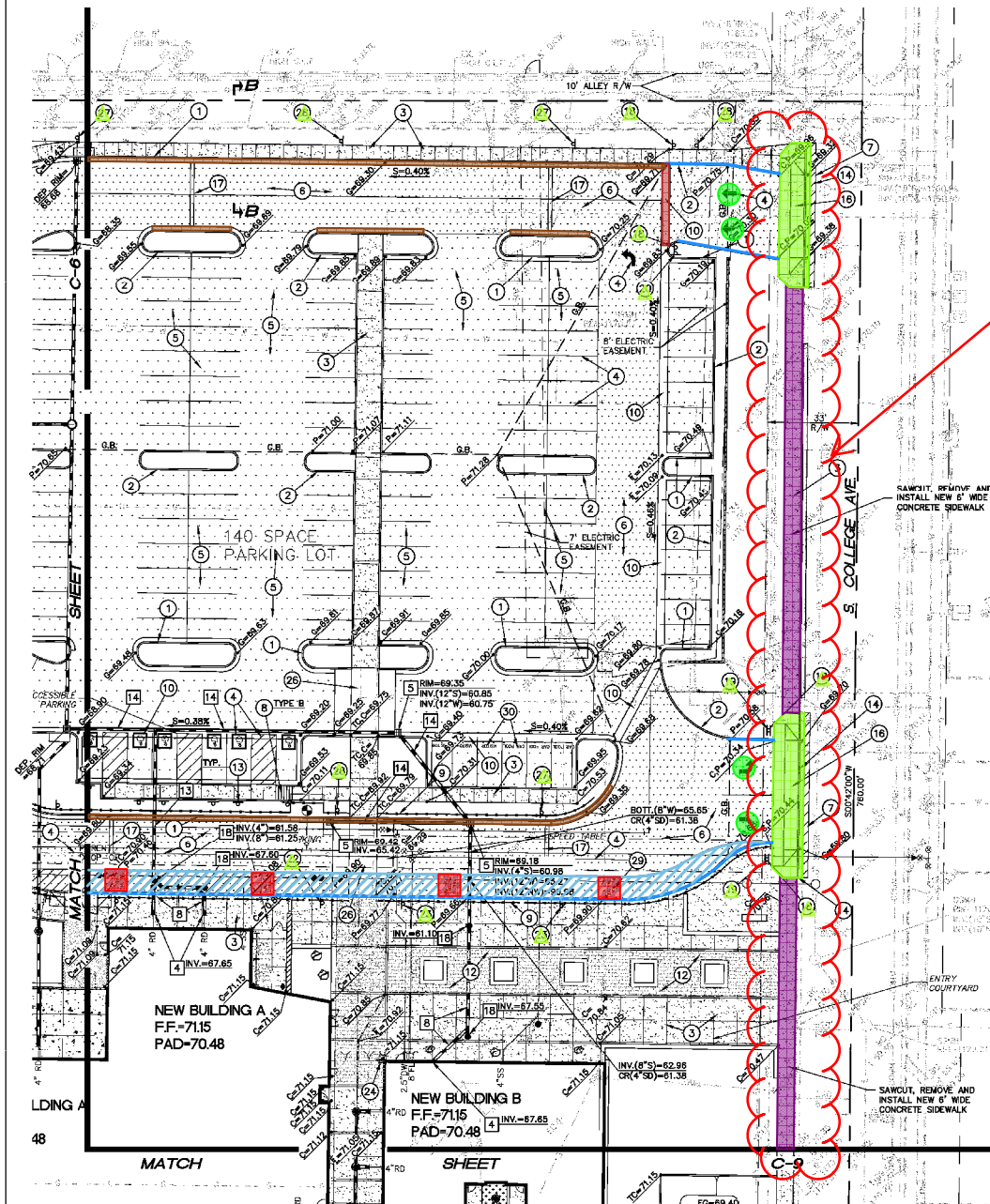
Adjacent Ways Work

Offsite

GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE 'A').
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230). SEE LANDSCAPE PLANS FOR SCORING AND FINISH. MAXIMUM CONTRACTION JOINT SPACING SHALL BE 10' ON CENTER.
4. PAINT STRIPE THE PARKING TO THE ALIGNMENTS INDICATED INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, HANDICAP PARKING SYMBOLS SPEED BUMPS, ETC.
5. INSTALL ASPHALTIC CONCRETE PAVEMENT (2" A.C. 3/4" INCH OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN PARKING STALLS.
6. INSTALL ASPHALTIC CONCRETE PAVEMENT (3" A.C. 3/4" INCH OVER 8" A.B.C. OVER COMPACTED SUBGRADE) IN DRIVEWAY AREAS.
7. SAWCUT, REMOVE AND REPLACE 2' OF EXISTING A.C. PAVEMENT IN KIND.
8. CONSTRUCT SIDEWALK RAMP, TYPE 'A'.
9. INSTALL NEW FENCE/GATE. SEE LANDSCAPE PLANS FOR DETAILS.
10. INSTALL CONCRETE VALLEY GUTTER AND APRON (MAG STANDARD DETAIL NO. 240, MODIFIED TO BE 3' WIDE AND HAVE A 3/4" FLOW LINE DEPTH).
11. INSTALL 7" THICK CONCRETE PAVING (MAG AA CONCRETE, 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS).
12. CONSTRUCT SIDEWALK RAMP, TYPE 'B'.
13. INSTALL HANDICAP PARKING SIGN (CITY OF TEMPE STANDARD DETAIL NO. T-350).
14. SAWCUT, REMOVE AND REPLACE EXISTING CONCRETE VERTICAL CURB AND GUTTER TO THE NEAREST JOINT OR AS DIRECTED BY CITY INSPECTOR (MAG STANDARD DETAIL NO. 220-1, TYPE A).
15. EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE.
16. INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF TEMPE STANDARD DETAIL NO. T-320).
17. CONSTRUCT SPEED BUMP (SEE DETAIL ON SHEET C-3).
18. INSTALL "DO NOT ENTER" (M.U.T.C.D. RS-1) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
19. INSTALL "STOP" SIGN (M.U.T.C.D. R1-1, 30" X 30") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
20. INSTALL LEFT TURN ONLY SIGN (M.U.T.C.D. R3-5L, 30" WIDE X 36" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
21. INSTALL "SERVICE VEHICLE ONLY" SIGN (18" X 18") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
22. INSTALL "NO PARKING - STUDENT DROP-OFF" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
23. INSTALL "PULL FORWARD" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
24. INSTALL "WELCOME, VIDEO, DRUG/GUN, TOBACCO" SIGN (24" X 24") ON FENCING.
25. INSTALL "DRUG FREE, VIDEO, NO BIKE, NO SMOKING" SIGN (24" X 24") ON FENCING.
26. CONSTRUCT SPEED HUMP.





STORM DRAIN AND FLOOD IRRIGATION CONSTRUCTION NOTES:

1. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-3).
2. CONSTRUCT CATCH BASIN (MAG STANDARD DETAIL NO. 537, DOUBLE).
3. CONSTRUCT CATCH BASIN TYPE 'D' (MAG STANDARD DETAIL NO. 533-1, 10-10 FEET).
4. CONNECT TO ROOF DRAIN OR DOWNSPOUT WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING OR ARCHITECTURAL DRAWINGS FOR CONTINUATION.
5. INSTALL CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).
6. CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-3).
7. INSTALL STORM DRAIN MANHOLE (MAG STANDARD DETAIL NO. 520 AND 522).
8. INSTALL NEW 4" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
9. INSTALL 18" PLASTIC IRRIGATION PIPE (PIP), SDR-51.
10. INSTALL PASTURE VALVE (SEE DETAIL ON SHEET C-3).
11. INSTALL PRESSURE MANHOLE (MAG STANDARD DETAIL NO. 520, 522 AND 523-1, -2).
12. STIC IRRIGATION PIPE TO EXISTING IRRIGATION WATERTIGHT CONNECTION.
13. STORM DRAIN PIPE WITH SMOOTH INTERIOR
14. INSTALL NEW 12" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
15. INSTALL NEW 18" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
16. INSTALL NEW 24" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
17. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING ELECTRICAL, COMMUNICATION AND SEWER LINES PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
18. INSTALL STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-3).
19. CONSTRUCT IRRIGATION STAND PIPE (MAG STANDARD DETAIL NO. 503, TYPE 'B'). INSTALL HEAD GATE ON NORTH SIDE OF STAND PIPE.
20. INSTALL 8" P.V.C. PIPE (ASTM D3034, SDR-35).
21. CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-3).
22. INSTALL 18" DUCTILE IRON PIPE (PRESSURE CLASS 350, THICKNESS CLASS 52).
23. INSTALL NEW 30" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

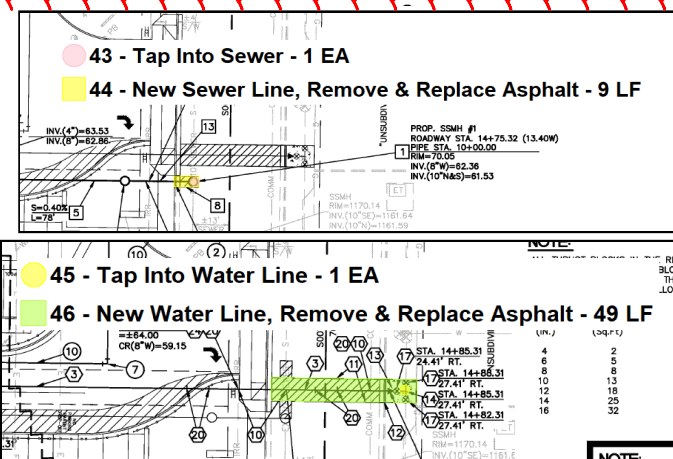
Offsite

- 34 - Offsite Sidewalk - 1,560 SF
- 35 - Onsite Curb & Gutter - 501 LF
- 36 - Onsite Valley Gutter - 30 LF
- 37 - Onsite Vertical Curb - 351 LF
- 38 - Offsite Drive Entrance - 1,216 SF
- 39 - No Parking Striping - 1,005 LF
- 40 - Signage - 16 EA
- 41 - Arrow Paint - 4 EA
- 42 - "No Parking" Stencils - 4 EA

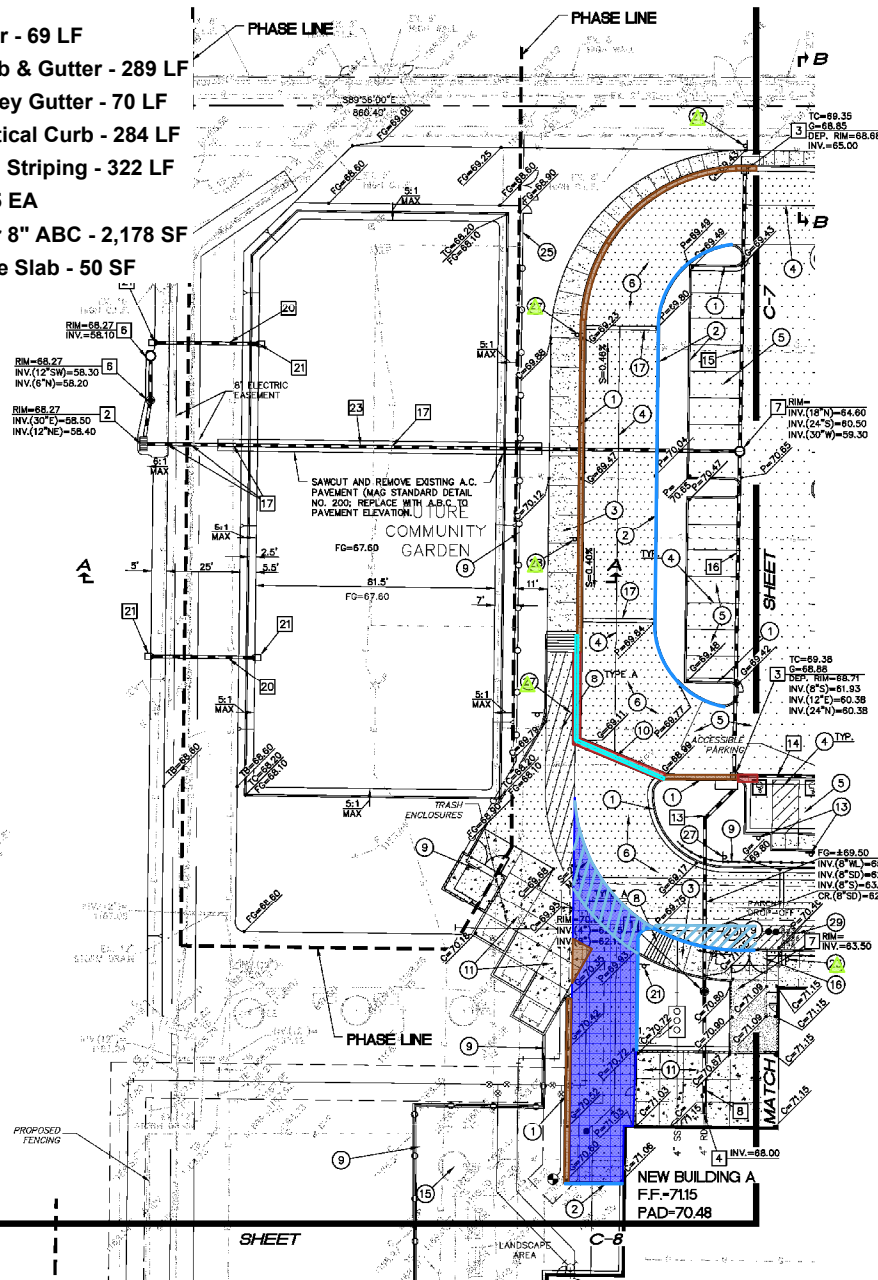
GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE A).
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 220). SEE LANDSCAPE PLANS FOR SCORING AND FINISH. MAXIMUM CONTRACTION JOINT SPACING SHALL BE 10' ON CENTER.
4. PAINT STRIPE THE PARKING TO THE ALIGNMENTS INDICATED INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, HANDICAP PARKING SYMBOLS, SPEED BUMPS, ETC.
5. INSTALL ASPHALTIC CONCRETE PAVEMENT (2" A.C. 3/4" INCH) OVER 7" A.B.C. OVER COMPACTED SUBGRADE IN PARKING STALLS.
6. INSTALL ASPHALTIC CONCRETE PAVEMENT (3" A.C. 3/4" INCH) OVER 8" A.B.C. OVER COMPACTED SUBGRADE IN DRIVEWAY AREAS.
7. SAWCUT, REMOVE AND REPLACE 2" OF EXISTING A.C. PAVEMENT. PAVEMENT REPLACEMENT SHALL BE PER CITY OF TEMPE DETAIL NO. 316 ON 12" A.B.C. OVER 6" OF PREPARED SUBGRADE OR MATCH EXISTING, WHICHEVER IS GREATER.
8. CONSTRUCT SIDEWALK RAMP, TYPE PER PLAN (SEE DETAILS ON SHEET C-3).
9. INSTALL NEW FENCE/GATE. SEE LANDSCAPE PLANS FOR DETAILS.
10. INSTALL CONCRETE VALLEY GUTTER AND APRON (MAG STANDARD DETAIL NO. 240, MODIFIED TO BE 3' WIDE AND HAVE A 3/4" FLOW LINE DEPTH).
11. INSTALL 7" THICK CONCRETE PAVING (MAG AA CONCRETE, 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS).
12. PAVERS, SEE LANDSCAPE PLANS FOR DETAILS.
13. INSTALL HANDICAP PARKING SIGN (CITY OF TEMPE STANDARD DETAIL NO. T-360).
14. SAWCUT, REMOVE AND REPLACE EXISTING CONCRETE VERTICAL CURB AND GUTTER TO NEAREST JOINT OR AS DIRECTED BY CITY INSPECTOR (MAG STANDARD DETAIL NO. 220-1, TYPE A).
15. EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE.
16. INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF TEMPE STANDARD DETAIL NO. T-300).
17. CONSTRUCT SPEED BUMP (SEE DETAIL ON SHEET C-3).
18. INSTALL "DO NOT ENTER" (M.U.T.C.D. R5-1) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
19. INSTALL "STOP" SIGN (M.U.T.C.D. R1-1, 30" X 30") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
20. INSTALL LEFT TURN ONLY SIGN (M.U.T.C.D. R3-5L, 30" WIDE X 36" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
21. INSTALL "SERVICE VEHICLE ONLY" SIGN (18" X 18") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
22. INSTALL "NO PARKING - STUDENT DROP-OFF" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
23. INSTALL "PULL FORWARD, EXIT CURBSIDE, STAY IN CAR" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
24. INSTALL "VIDEO SURVEILLANCE SIGN (12" X 18") (18" X 24") AND TOBACCO FREE CAMPUS SIGN (18" X 24") WITH REMAINING. DISTRICT STANDARD SIGNS TYPICAL.
25. INSTALL "DRUG FREE GUN FREE SIGN (18" X 24"). VIDEO SURVEILLANCE SIGN (12" X 18"), NO BIKE SIGN (24" X 18") AND TOBACCO FREE CAMPUS SIGN (18" X 24") ON FENCING. DISTRICT STANDARD SIGNS.
26. CONSTRUCT SPEED HUMP (SEE DETAIL ON SHEET C-3).
27. INSTALL "TYPE LANE" SIGN PER CITY OF TEMPE REQUIREMENTS WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
28. INSTALL 10 M.P.H. SPEED LIMIT SIGN (M.U.T.C.D. R2-1+10, 24" X 30") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.

Offsite



- 8 - Valley Gutter - 69 LF
- 35 - Onsite Curb & Gutter - 289 LF
- 36 - Onsite Valley Gutter - 70 LF
- 37 - Onsite Vertical Curb - 284 LF
- 39 - No Parking Striping - 322 LF
- 40 - Signage - 5 EA
- 48 - 3" AC Over 8" ABC - 2,178 SF
- 49 - 7" Concrete Slab - 50 SF



GRADING AND DRAINAGE CONSTRUCTION NOTES:

1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220-1, TYPE A).
2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE A).
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230). SEE LANDSCAPE PLANS FOR SCORING AND FINISH. MAXIMUM CONTRACTION JOINT SPACING SHALL BE 10' ON CENTER.
4. PAINT STRIPE THE PARKING TO THE ALIGNMENTS INDICATED INCLUDING ALL DIRECTIONAL ARROWS, CROSSWALKS, HANDICAP PARKING SYMBOLS, SPEED BUMPS, ETC.
5. INSTALL ASPHALTIC CONCRETE PAVEMENT (2" A.C. (3/4" INCH) OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN PARKING STALLS.
6. INSTALL ASPHALTIC CONCRETE PAVEMENT (3" A.C. (3/4" INCH) OVER 7" A.B.C. OVER COMPACTED SUBGRADE) IN DRIVEWAY AREAS.
7. SAWCUT, REMOVE AND REPLACE 2' OF EXISTING A.C. PAVEMENT. PAVEMENT REPLACEMENT SHALL BE PER CITY OF TEMPE DETAIL NO. 318 ON 12" A.B.C. OVER 8" OF PREPARED SUBGRADE OR MATCH EXISTING, WHICHEVER IS GREATER.
8. CONSTRUCT SIDEWALK RAMP, TYPE PER PLAN (SEE DETAILS ON SHEET C-3).
9. INSTALL NEW FENCE/GATE. SEE LANDSCAPE PLANS FOR DETAILS.
10. INSTALL CONCRETE VALLEY GUTTER AND APRON (MAG STANDARD DETAIL NO. 240, MODIFIED TO BE 3" WIDE AND HAVE A 3/4" FLOW LINE DEPTH).
11. INSTALL 7" THICK CONCRETE PAVING (MAG AA CONCRETE, 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS).
12. PAVERS, SEE LANDSCAPE PLANS FOR DETAILS.
13. INSTALL HANDICAP PARKING SIGN (CITY OF TEMPE STANDARD DETAIL NO. T-360).
14. SAWCUT, REMOVE AND REPLACE EXISTING CONCRETE VERTICAL CURB AND GUTTER TO THE NEAREST JOINT OR AS DIRECTED BY CITY INSPECTOR (MAG STANDARD DETAIL NO. 220-1, TYPE A).
15. EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE.
16. INSTALL CONCRETE DRIVEWAY ENTRANCE (CITY OF TEMPE STANDARD DETAIL NO. T-300).
17. CONSTRUCT SPEED BUMP (SEE DETAIL ON SHEET C-3).
18. INSTALL "DO NOT ENTER" (M.U.T.C.D. R5-1) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
19. INSTALL "STOP" SIGN (M.U.T.C.D. R1-1, 30" X 30") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
20. INSTALL LEFT TURN ONLY SIGN (M.U.T.C.D. R3-5L, 30" WIDE X 36" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
21. INSTALL "SURFACE VEHICLE ONLY" SIGN (18" X 18") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
22. INSTALL "NO PARKING - STUDENT DROP-OFF" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
23. INSTALL "PULL FORWARD, EXIT CURBSIDE, STAY IN CAR" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
24. INSTALL "WELCOME" SIGN (24" X 18"). VIDEO SURVEILLANCE SIGN (12" X 18"). DRUG FREE GUN FREE SIGN (18" X 24") AND TOBACCO FREE CAMPUS SIGN (18" X 24") ON FENCING. DISTRICT STANDARD SIGNS TYPICAL.
25. INSTALL "DRUG FREE GUN FREE SIGN (18" X 24"). VIDEO SURVEILLANCE SIGN (12" X 18"). NO BIKE SIGN (24" X 18") AND TOBACCO FREE CAMPUS SIGN (18" X 24") ON FENCING. DISTRICT STANDARD SIGNS TYPICAL.
26. CONSTRUCT SPEED HUMP (SEE DETAIL ON SHEET C-3).
27. INSTALL "FIRE LANE" SIGN PER CITY OF TEMPE REQUIREMENTS WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
28. INSTALL 10 M.P.H. SPEED LIMIT SIGN (M.U.T.C.D. R2-1-10, 24" X 30") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE "C".
29. PAINT "NO PARKING - PARENT DROP-OFF" IN ONE FOOT (1') HIGH BLOCK LETTERS ON PAVEMENT. TYPICAL.
30. PAINT "VISITOR" OR "CARPOOL" IN ONE FOOT (1') HIGH BLOCK LETTERS ON PAVEMENT. THREE (3) EACH.

STORM DRAIN AND FLOOD IRRIGATION CONSTRUCTION NOTES:

1. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-3).
2. CONSTRUCT CATCH BASIN (MAG STANDARD DETAIL NO. 537, DOUBLE).
3. CONSTRUCT CATCH BASIN TYPE 'D' (MAG STANDARD DETAIL NO. 533-1, L=10 FEET).
4. CONNECT TO ROOF DRAIN OR DOWNSPOUT WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING OR ARCHITECTURAL DRAWINGS FOR CONTINUATION.
5. INSTALL CATCH BASIN (MAG STANDARD DETAIL NO. 537, SINGLE).
6. CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-3).
7. INSTALL STORM DRAIN MANHOLE (MAG STANDARD DETAIL NO.'S 520 AND 522).
8. INSTALL NEW 4" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
9. INSTALL 18" PLASTIC IRRIGATION PIPE (PIP), SDR-51.
10. INSTALL PASTURE VALVE. (SEE DETAIL ON SHEET C-3).
11. CONSTRUCT DUAL CHAMBER MANHOLE (MAG STANDARD DETAIL NO. 520, 522 AND 523-1, -2).
12. CONNECT NEW 18" PLASTIC IRRIGATION PIPE TO EXISTING IRRIGATION JUNCTION BOX WITH A WATERTIGHT CONNECTION.
13. INSTALL NEW 8" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
14. INSTALL NEW 12" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
15. INSTALL NEW 18" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
16. INSTALL NEW 24" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
17. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING ELECTRICAL, COMMUNICATION AND SEWER LINES PRIOR TO THE START OF CONSTRUCTION. PROTECT FROM DAMAGE.
18. INSTALL STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-3).
19. CONSTRUCT IRRIGATION STAND PIPE (MAG STANDARD DETAIL NO. 503, TYPE 'B'). INSTALL HEAD GATE ON NORTH SIDE OF STAND PIPE.
20. INSTALL 8" P.V.C. PIPE (ASTM D3034, SDR-35).
21. CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-3).
22. INSTALL 18" DUCTILE IRON PIPE (PRESSURE CLASS 350, THICKNESS CLASS 52).
23. INSTALL NEW 30" H.D.P.E. STORM DRAIN PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.

UNDERGROUND UTILITY TRACER WIRE NOTE:

ALL NEW UNDERGROUND FACILITIES/UTILITIES SHALL BE INSTALLED WITH A DETECTABLE UNDERGROUND LOCATION DEVICE. INSTALL A #18 INSULATED TRACER WIRE SECURELY ATTACHED TO EACH UTILITY AT 8-FEET ON CENTER. 12" OF TRACER WIRE SHALL BE ACCESSIBLE ABOVE GRADE AT THE TERMINATION AND SHALL BE SECURELY ATTACHED AT THAT POINT. THE CONTRACTOR SHALL VERIFY WHICH COLOR TO USE FOR STORM DRAIN, WATER, SEWER, ETC., WITH THE CITY OF TEMPE AND APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH THIS REQUIREMENT IN THEIR BID.

NOTE:

ALL NEW UNDERGROUND UTILITIES (WATER, SEWER, FIRE AND STORM DRAIN LINES) SHALL BE BEDDED WITH A.B.C. PER MAG SECTION 702. FROM 4" (MIN.) BELOW THE BOTTOM OF THE PIPE TO 12" (MIN.) ABOVE THE TOP OF THE PIPE.

