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GENERAL NOTES FOR PUBLIC WORKS CONSTRUCTION:

- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE CITY'S SUPPLEMENTAL STANDARD DETAILS WILL GOVERN.
- THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL, OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
- THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN SIX MONTHS, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A PUBLIC WORKS INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY INSPECTION SERVICES 24 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING 480-312-5750.
- WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 602-263-1100, TWO WORKING DAYS BEFORE EXCAVATION BEGINS. THE CENTER WILL SEE THAT THE LOCATION OF THE UNDERGROUND UTILITY LINES IS IDENTIFIED FOR THE PROJECT. CALL "COLLECT" IF NECESSARY.
- ENCROACHMENT PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. AN ENCROACHMENT PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER THE REGISTRANT HAS PAID A BASE FEE PLUS A FEE FOR INSPECTION SERVICES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
- ALL EXCAVATION AND GRADING THAT IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENT GRANTED FOR PUBLIC USE MUST CONFORM TO CHAPTER 70, EXCAVATION AND GRADING, OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE PREPARED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. A PERMIT FOR THIS GRADING MUST BE SECURED FORM THE CITY FOR A FEE ESTABLISHED BY THE UNIFORM BUILDING CODE.

ESTIMATED TOTAL DISTURBED AREA:

DISTURBED AREA = 12.5 ACRES

NOTE:

THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE ONLY AND ARE AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF HESS-ROUNTREE, INC. NO REPRODUCTION OR OTHER USE SHALL BE MADE BY ANY PERSON OR FIRM OTHER THAN HESS-ROUNTREE, INC. OR THE CITY OF SCOTTSDALE WITHOUT EXPRESS PERMISSION OF HESS-ROUNTREE, INC. ANY UNAUTHORIZED USE SHALL VOID THE ENGINEER'S SEAL AND SIGNATURE HEREON AND NO PROFESSIONAL RESPONSIBILITY WILL REMAIN.

NO CONFLICT SIGNATURE BLOCK					
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Submitted	Date Signed
Water	APS	Michael Bouche	608-371-7033	X	X
Water	Salt River Project	Matt Streepier	602-236-3105	X	X
Cable TV	Century Link	R-of-W Dept	N/A		
	City of Scottsdale	Doug Mann	480-312-5636	X	X
Cable TV	Cox Communications	TMC Dept.	623-328-3554	X	X
Other	Southwest Gas Cop.	Greg Cooper	602-484-5276	X	X
Other	Kinder Morgan	D. Tarango	602-278-2320	X	X

ENGINEER'S CERTIFICATION

I, DOUG OSBORN, BEING THE PERSON RESPONSIBLE FOR DESIGNING THE FACILITIES NECESSARY TO SERVE THIS DEVELOPMENT, HEREBY CERTIFY THAT PLANS HAVE BEEN SUBMITTED TO ALL THE UTILITY COMPANIES LISTED ABOVE FOR CONFLICT REVIEW. "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY THAT RESPONDED AND ARE INCLUDED IN THIS SUBMITTAL. CONFLICTS IDENTIFIED BY UTILITY COMPANY RESPONSES HAVE BEEN RESOLVED.

SIGNATURE

DATE

OWNER:

SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48
7575 EAST MAIN STREET
SCOTTSDALE, ARIZONA 85251
PHONE: (480) 484-6100
CONTACT: LOUIS HARTWELL

ENGINEER:

HESS-ROUNTREE, INC.
9831 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044
PHONE: (480) 496-0244
FAX: (480) 496-0094
CONTACT: DOUG OSBORN, P.E.

SHEET INDEX:

- C-1 COVER SHEET
- C-2 NOTES, LEGEND AND DETAIL SHEET
- C-3 CROSS-SECTIONS SHEET
- C-4 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-5 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-6 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-7 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-8 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-9 PARTIAL TOPOGRAPHIC SURVEY AND DEMOLITION PLAN
- C-10 GRADING AND DRAINAGE PLAN
- C-11 GRADING AND DRAINAGE PLAN
- C-12 GRADING AND DRAINAGE PLAN
- C-13 GRADING AND DRAINAGE PLAN
- C-14 GRADING AND DRAINAGE PLAN
- C-15 GRADING AND DRAINAGE PLAN
- C-16 STORM DRAIN PLAN
- C-17 STORM DRAIN PLAN
- C-18 STORM DRAIN PLAN
- C-19 STORM DRAIN PLAN
- C-20 PLAYCOURT DETAIL SHEET
- C-21 DOMESTIC WATER, PRIVATE FIRE LINE AND SANITARY SEWER LINE PLAN
- C-22 DOMESTIC WATER, PRIVATE FIRE LINE AND SANITARY SEWER LINE PLAN
- C-23 DOMESTIC WATER, PRIVATE FIRE LINE AND SANITARY SEWER LINE PLAN
- C-24 DOMESTIC WATER, PRIVATE FIRE LINE AND SANITARY SEWER LINE PLAN
- C-25 STORM WATER MANAGEMENT PLAN -COVER SHEET
- C-26 STORM WATER MANAGEMENT PLAN

CIVIL APPROVAL

REVIEW & RECOMMENDED APPROVAL BY:			
PAVING		TRAFFIC	
G & D		PLANNING	
W & S		FIRE	
RET. WALLS			
ENGINEERING COORDINATION MANAGER OR DESIGNEE		DATE	

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON WAS MADE UNDER MY SUPERVISION, OR AS NOTED, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED PROFESSIONAL ENGINEER OR
REGISTERED LAND SURVEYOR

DATE

FLOODPLAN MAP INFORMATION

COMMUNITY NUMBER	PANEL NUMBER AND DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	SHADED ZONE	BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH)
045012	0890	L	10-16-13	X	N/A
	10-16-13				

THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100-YEAR STORM, AND ARE IN ACCORDANCE WITH SCOTTSDALE REVISED CODE, CHAPTER 37 - FLOODPLAIN AND STORMWATER REGULATION.

IMPROVEMENT PLANS

FOR THE

CAMPUS REPLACEMENT

AT

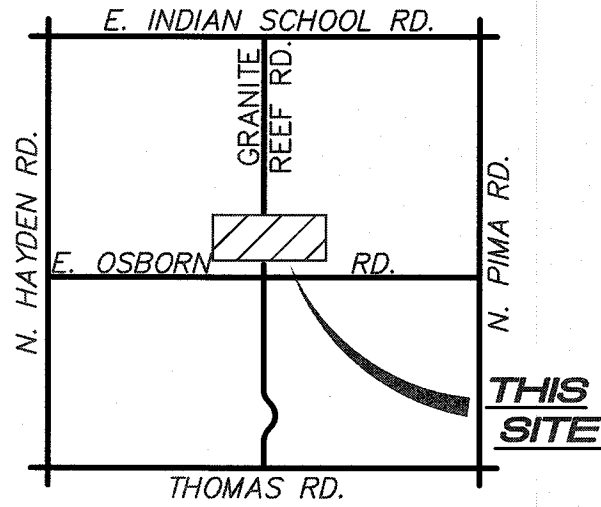
PIMA ELEMENTARY SCHOOL

8330 E OSBORN RD,
SCOTTSDALE, ARIZONA 85251

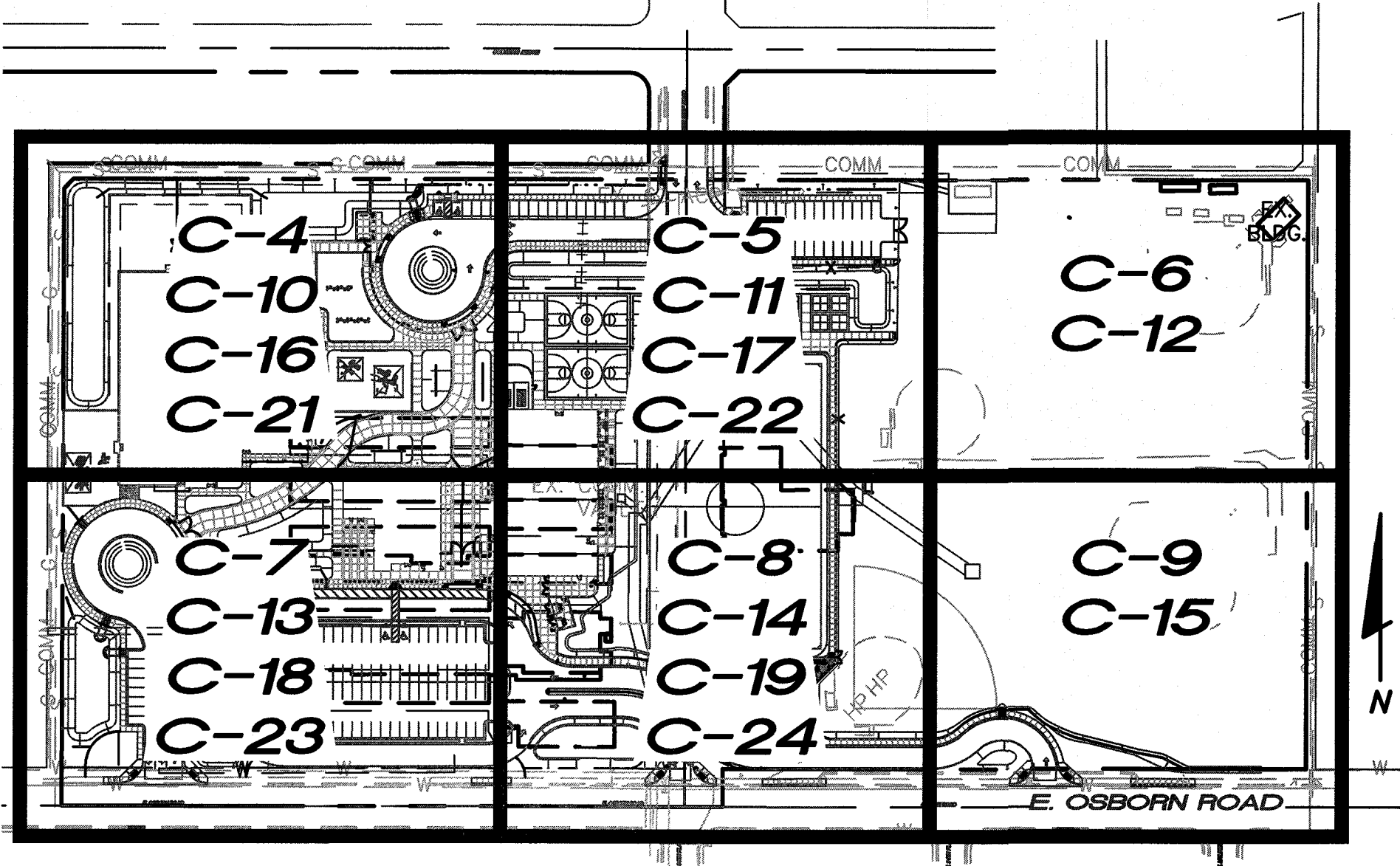
FOR

SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48

7575 EAST MAIN STREET
SCOTTSDALE, ARIZONA 85251
PHONE: (480)484-6100



VICINITY MAP
NOT TO SCALE



SHEET INDEX MAP
NOT TO SCALE

DESIGN CIVIL ENGINEER'S
NOTES TO CONTRACTOR:

- NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE DESIGN CIVIL ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
- THE DESIGN CIVIL ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY. THE DESIGN CIVIL ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, ALLAY DUST, AND TO TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT ALL ROADWAYS AND ON-SITE PARKING LOTS/FIRE LANES ARE MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE BLUE STAKE CENTER TWO WORKING DAYS PRIOR TO ANY EXCAVATION. THE UNDERGROUND UTILITY LOCATIONS AS SHOWN HEREON ARE BASED ON THE BEST INFORMATION AVAILABLE FROM UTILITY RECORDS AND OTHER DATA AS SUPPLIED TO THIS DESIGN CIVIL ENGINEER. THERE MAY BE OTHER UNDERGROUND UTILITY LINES, SERVICE LINES AND STRUCTURES PRESENT IN THE SUBJECT AREA. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF HIRING AN UNDERGROUND UTILITY LOCATING SERVICE FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITIES. CONTRACTOR WILL COORDINATE WITH THE OWNER AND ARCHITECT TO DETERMINE WHETHER SAID UTILITIES ARE TO BE ABANDONED OR PROTECTED FROM DAMAGE.
- THE DESIGN CIVIL ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING THE EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING, SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS. PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS, EARTHWORK QUANTITIES AND REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING AND NEW CLEANOUTS, WATER VALVE BOXES, MANHOLES, GAS VALVE BOXES, IRRIGATION BOXES, ETC. IN THE CONSTRUCTION AREA TO FINISH GRADE PER THE APPLICABLE MAG STANDARD DETAIL. ALL VALVE BOXES, MANHOLES, ETC. IN CONCRETE PAVEMENT AREAS SHALL BE ISOLATED FROM THE CONCRETE PAVEMENT WITH EXPANSION JOINTS.
- 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 INCLUDE ALL COSTS ASSOCIATED WITH THIS REQUIREMENT IN THEIR BID.
- THE CONTRACTOR SHALL MAKE NO CLAIMS AGAINST THE OWNER OR THE DESIGN CIVIL ENGINEER REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE DESIGN CIVIL ENGINEER UNLESS ALL SURVEY STAKES SET BY THE DESIGN CIVIL ENGINEER ARE MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OF IMPROPER CONSTRUCTION WORK IN THIS DEVELOPMENT SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.
- ALL NEW PRIVATE UNDERGROUND UTILITIES (WATER LINES 3" AND LARGER, SEWER LINES, FIRE LINES 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.

BENCHMARK:

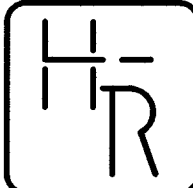
CITY OF SCOTTSDALE BENCHMARK #4254. REBAR IN POT HOLE, DOWN 0.4 FEET, LOCATED AT THE INTERSECTION OF OSBORN ROAD AND GRANITE REEF ROAD.

ELEVATION=1238.13
DATUM)

(CITY OF SCOTTSDALE NAVD88

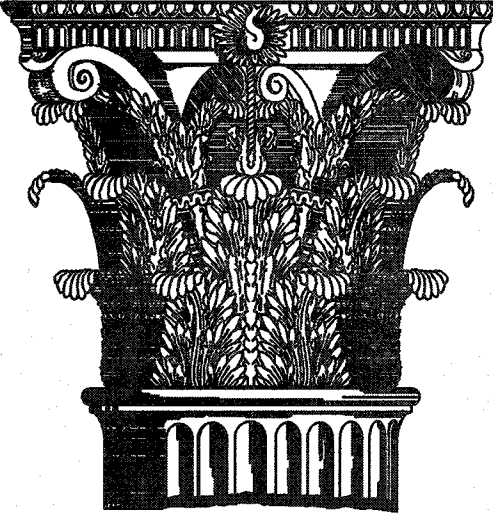
I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE CITY OF SCOTTSDALE BENCHMARK PROVIDED ABOVE.

Certificate of Approval to Construct	Maricopa County Environmental Services Department
MCESD #	Water and Waste Management Division
Public Water System ID Number 0407- Project Description:	(and/or) Waste Water System ID Number 0437-
Project Location:	
Project Owner:	
Pursuant to AAC Title 18; Chapter 4, Article 5; or AAC Title 18; Chapter 9, Article 8; and/or Maricopa County Environmental Health Code Chapters II or V. This certificate of Approval To Construct the above described facilities as represented in the attached plan is valid upon review and signature by a Maricopa County Environmental Services Department's representative given the following provisions. 1.) A Request for Certificate of Approval of Construction, together with an Engineer's Certificate of Completion, and sealed engineered as-built plans, shall be submitted to this Department prior to Approval of Construction and startup. 2.) The Approval to Construct is void if major modifications occur to the plans without the knowledge and consent of the department. If Construction has not started within one year of the approval date, this certificate will be void. An extension of time may be available upon written request.	
Approved By:	Date Approved:
CC: MCESD FILE; ADEQ Engineer; AZ. Corp. Commission	



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

Hunt & Caraway
Architects



1747 East Morten Avenue #306
Phoenix, Arizona 85020
Voice 602.595.8200 Fax
602.595.8399
www.huntcaraway.com

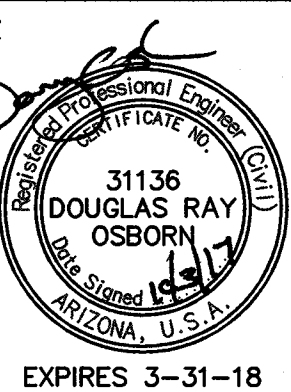
Pima Elementary School
Scottsdale Unified School
District
8330 E Osborn Rd
Scottsdale, AZ

COVER SHEET

Revisions:

Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

Seal:

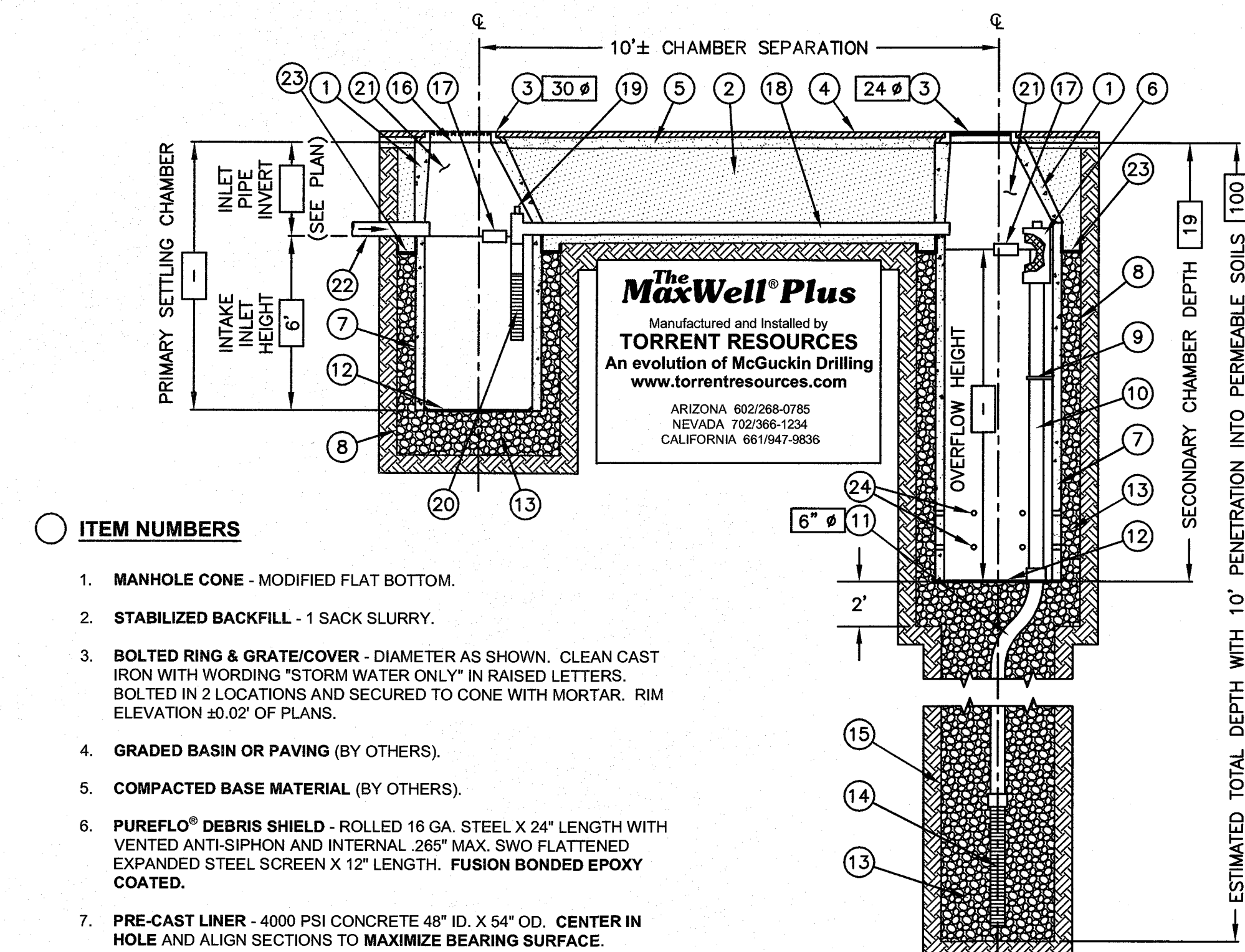


EXPIRES 3-31-18

H-R JOB #
1705-06

1 OF 26
C-1

The MaxWell® Plus Drainage System Detail And Specifications



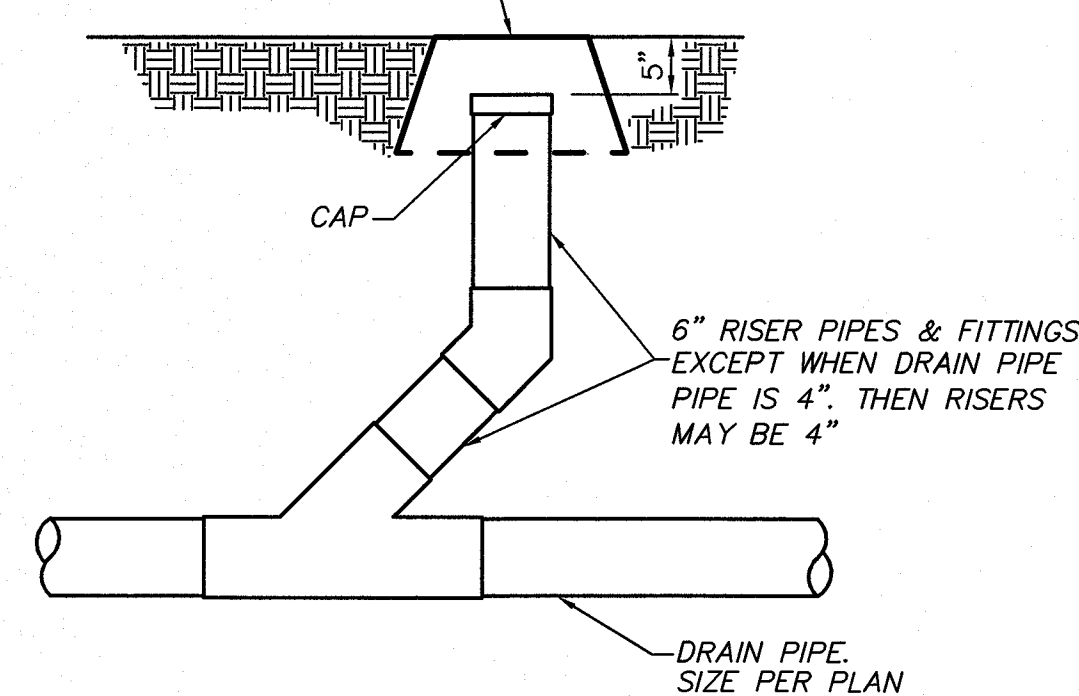
ITEM NUMBERS

- MANHOLE CONE - MODIFIED FLAT BOTTOM.
- STABILIZED BACKFILL - 1 SACK SLURRY.
- BOLTED RING & GRATE/COVER - DIAMETER AS SHOWN. CLEAN CAST IRON WITH WORDING "STORM WATER ONLY" IN RAISED LETTERS. BOLTED IN 2 LOCATIONS AND SECURED TO CONE WITH MORTAR. RIM ELEVATION ±0.02' OF PLANS.
- GRADED BASIN OR PAVING (BY OTHERS).
- COMPACTED BASE MATERIAL (BY OTHERS).
- PUREFLO® DEBRIS SHIELD - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL .265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. FUSION BONDED EPOXY COATED.
- PRE-CAST LINER - 4000 PSI CONCRETE 48" ID. X 54" OD. CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.
- MIN. 6" Ø DRILLED SHAFT.
- SUPPORT BRACKET - FORMED 12 GA. STEEL. FUSION BONDED EPOXY COATED.
- OVERFLOW PIPE - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
- DRAINAGE PIPE - ADS HIGHWAY GRADE WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS TO PREVENT BUCKLING OR BREAKAGE. DIAMETER AS NOTED.
- BASE SEAL - GEOTEXTILE OR CONCRETE SLURRY.
- ROCK - WASHED, SIZED BETWEEN 3/8" AND 1-1/2" TO BEST COMPLEMENT SOIL CONDITIONS.
- FLOFAST® DRAINAGE SCREEN - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. DIAMETER VARIES 120" OVERALL LENGTH WITH TRI-B COUPLER.
- MIN. 4" Ø SHAFT - DRILLED TO MAINTAIN PERMEABILITY OF DRAINAGE SOILS.
- FABRIC SEAL - U.V. RESISTANT GEOTEXTILE - TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION.
- ABSORBENT - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY.

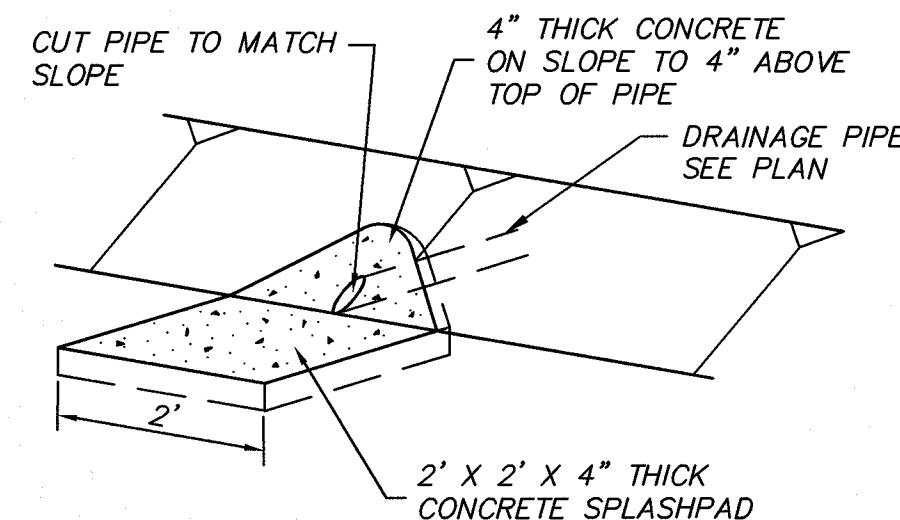
- CONNECTOR PIPE - 4" Ø SCH. 40 PVC.
- ANTI-SIPHON VENT WITH FLOW REGULATOR.
- INTAKE SCREEN - SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. 48" OVERALL LENGTH WITH TRI-C END CAP.
- FREEBOARD DEPTH VARIES WITH INLET PIPE ELEVATION. INCREASE PRIMARY/SECONDARY SETTLING CHAMBER DEPTHS AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE CONNECTOR PIPE OVERFLOW.
- OPTIONAL INLET PIPE (BY OTHERS).
- MOISTURE MEMBRANE - 6 MIL. PLASTIC. PLACE SECURELY AGAINST ECCENTRIC CONE AND HOLE SIDEWALL. USED IN LIEU OF SLURRY IN LANDSCAPED AREAS.
- EIGHT (8) PERFORATIONS PER FOOT, 2 ROWS MIN.

AZ Lic. R00070465 A, R00047067 D-4, ADWR 363
CA Lic. 620880, C-42, HAZ.
NV Lic. 0003350 A - NM Lic. 90504 GFO4
U.S. Patent No. 4,923,330 - TM Trademark 1974, 1990, 2004

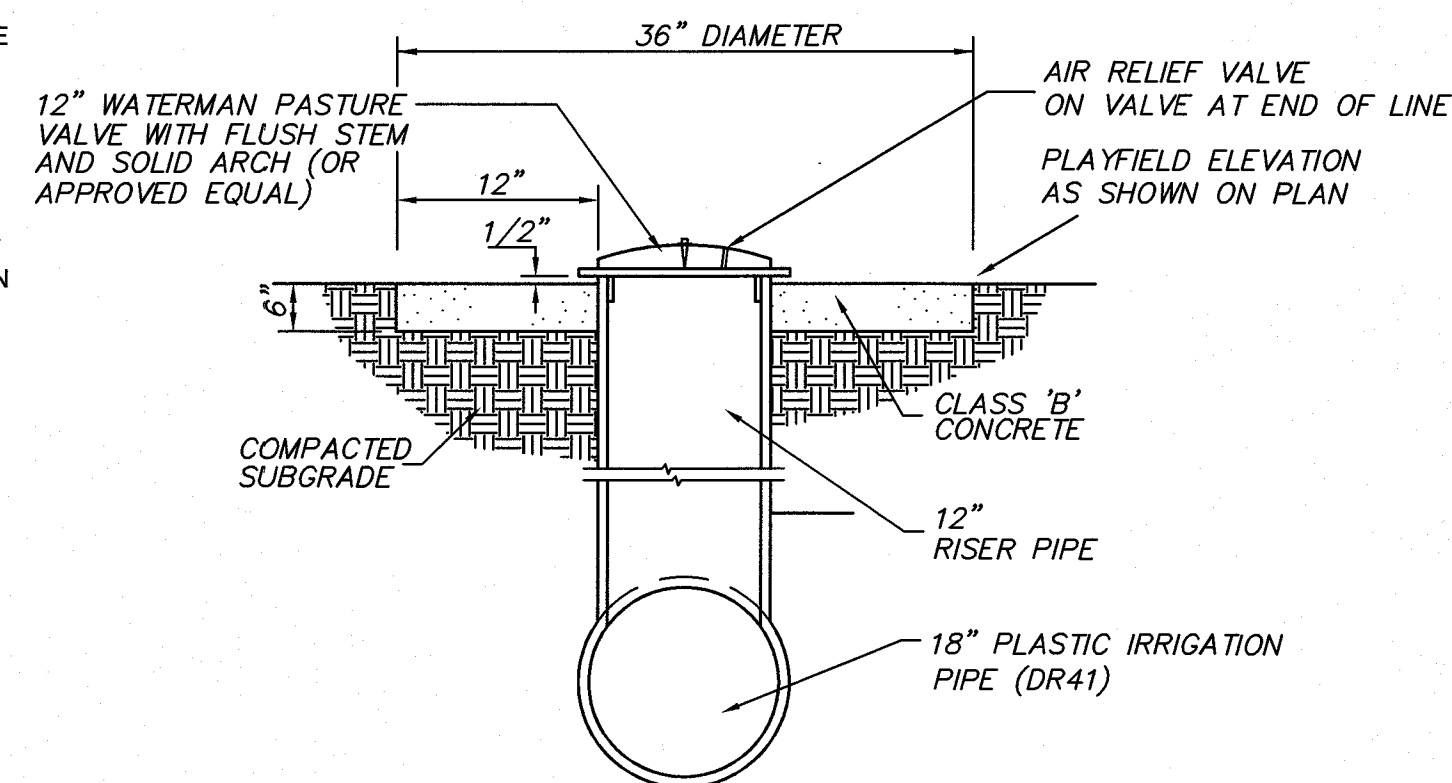
GREEN PLASTIC IRRIGATION BOX (10" DIA.) WITH BOLT LOCK COVER IN LANDSCAPED AREAS. USE TAN COLORED BOX IN GRANITE AREAS. IN PAVED AREAS BOX AND COVER SHALL BE CAST IRON PER MAG S.D. 270 W/ CHAIN ATTACHMENT



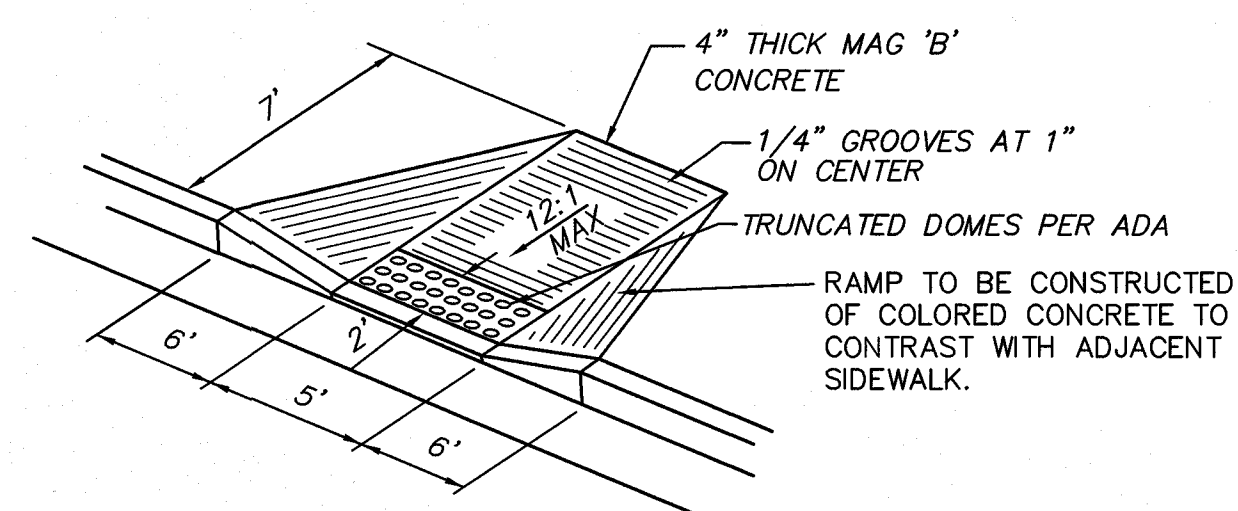
STORM DRAIN CLEANOUT
NOT TO SCALE



CONCRETE SPLASHPAD
NOT TO SCALE

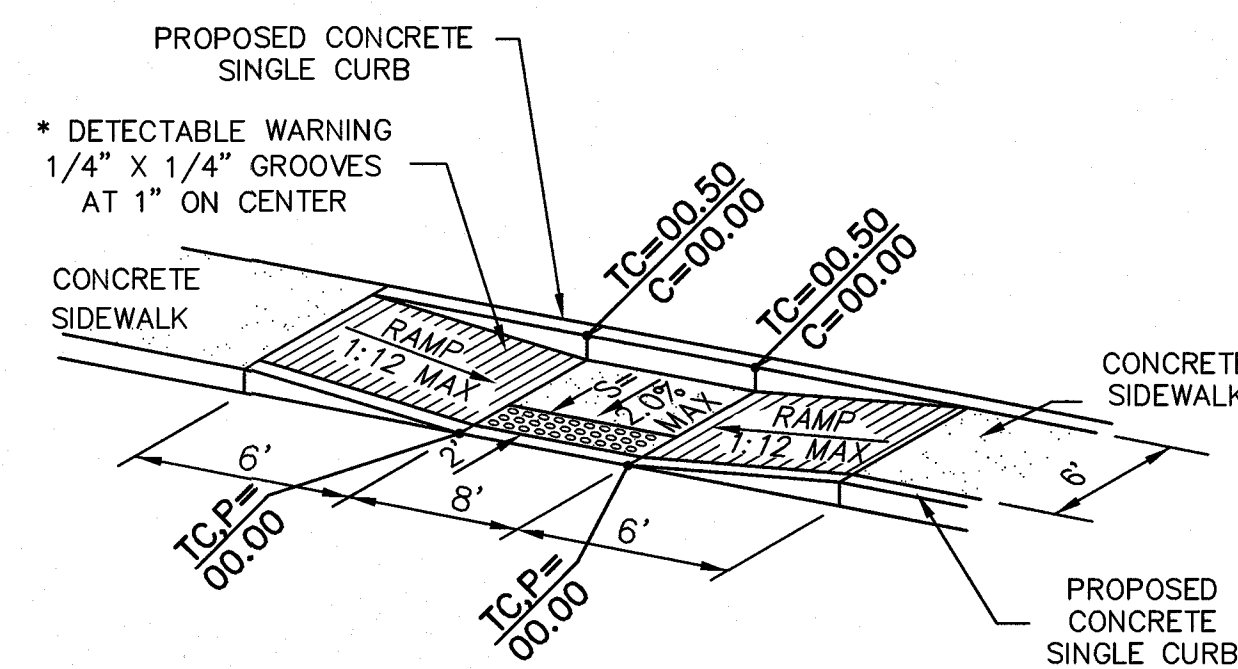


PASTURE VALVE
NOT TO SCALE



NOTE: DETECTABLE WARNING ON WALKING SURFACES PER ADA REQUIREMENTS. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH (23 MM), A HEIGHT NOMINAL 0.2 INCHES (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. COLORS TO BE SELECTED BY OWNER. PROGRESSIVE CONCRETE WORKS (943-7241) IS A LOCAL INSTALLER OF DETECTABLE WARNING PAVEMENT.

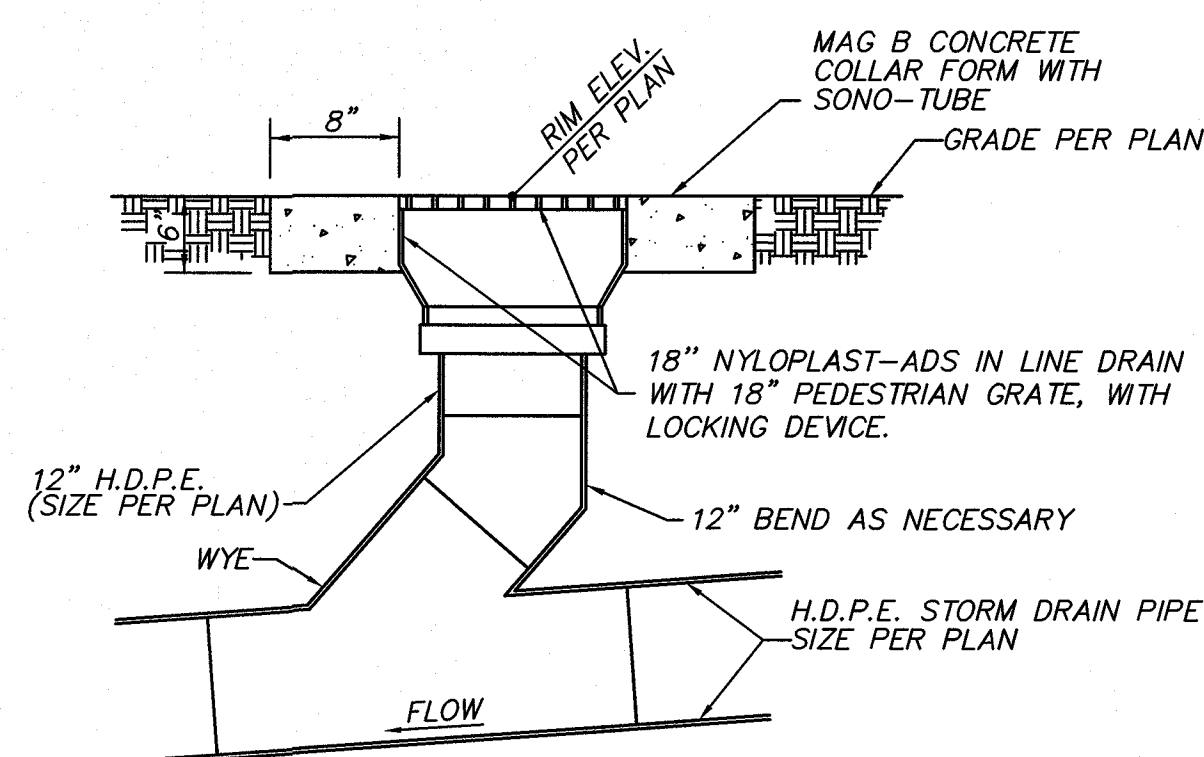
SIDEWALK RAMP, TYPE II
NOT TO SCALE



* NOTE: ALL HANDICAP RAMPS SHALL BE INSTALLED WITH TRUNCATED DOME DETECTABLE WARNINGS IN COMPLIANCE WITH THE CITY OF MARICOPA'S SPECIAL PROVISION ADA COMPLIANT HANDICAP RAMP PANELS POLICY. TRUNCATED DOMES MUST BE A REINFORCED, PRE-CAST, SET-IN-PLACE TYPE PRODUCT. SURFACE APPLIED PRODUCTS, PAVERS, OR STAMPED CONCRETE WILL NOT BE ALLOWED FOR NEW INSTALLATIONS.

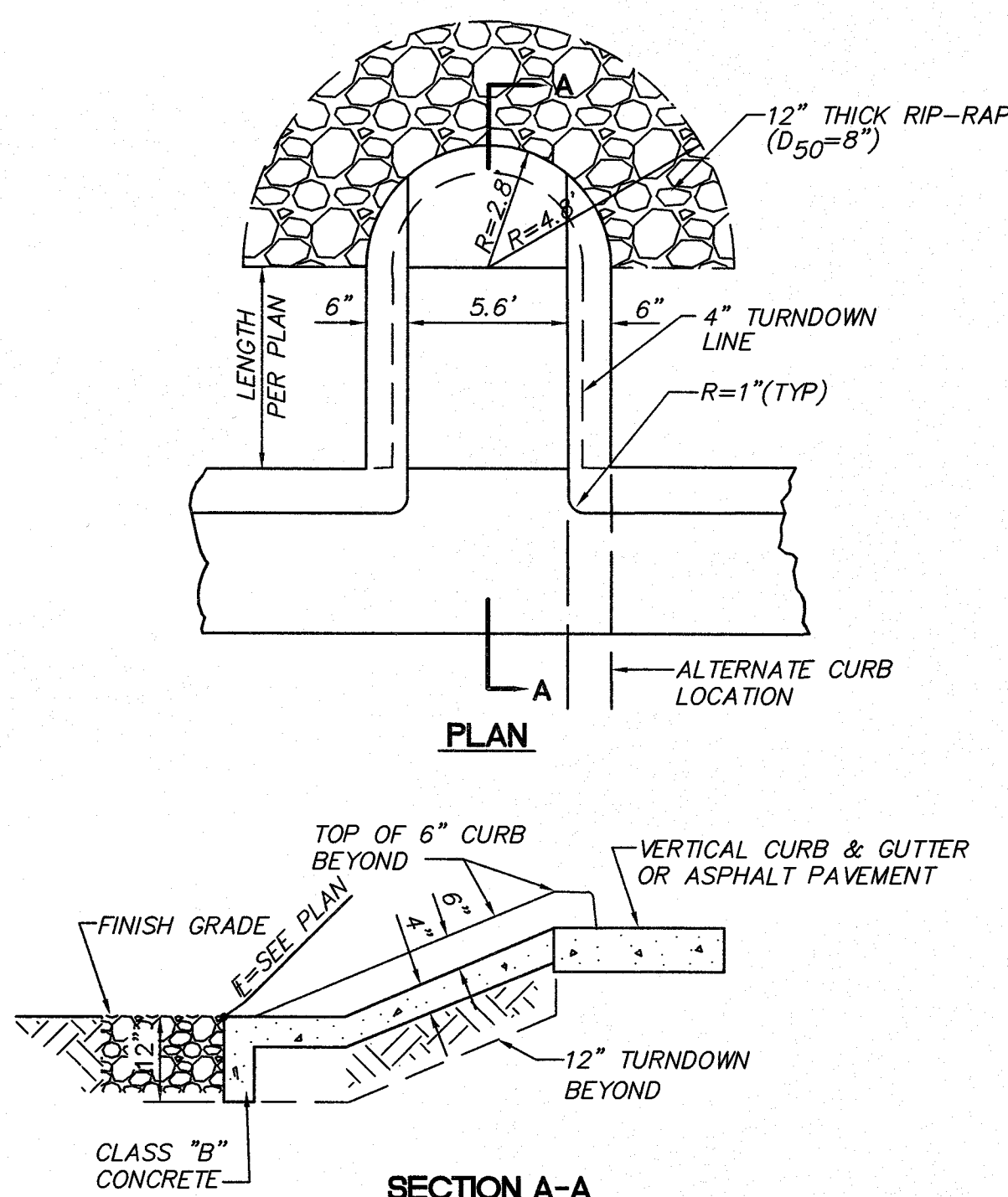
** WIDTH AS INDICATED ON DRAWINGS

SIDEWALK RAMP TYPE I
NOT TO SCALE

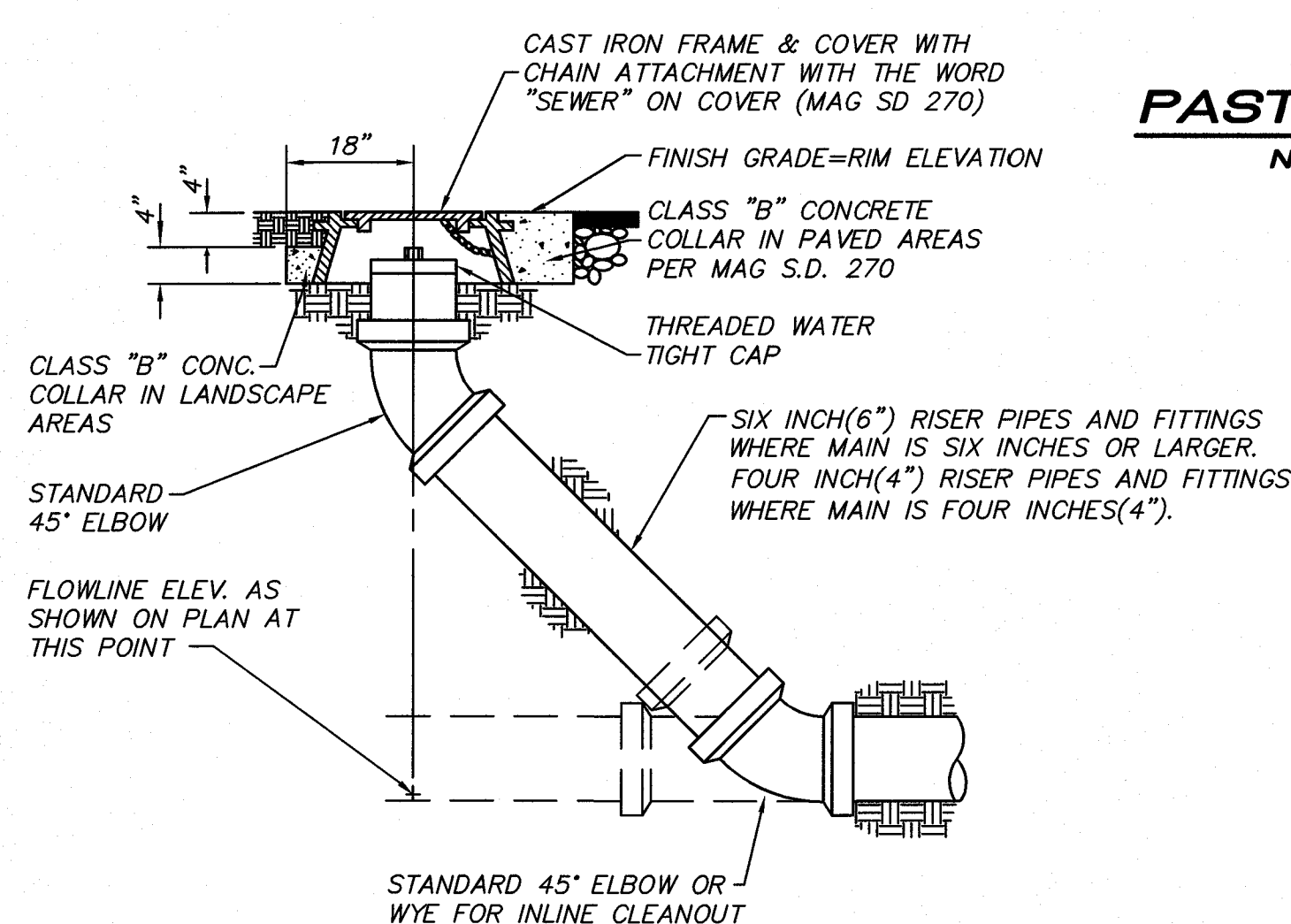


INSTALL 2 LAYERS OF MIRAFI 100X FABRIC BENEATH GRATE. GENERAL CONTRACTOR TO REMOVE AFTER CONSTRUCTION IS COMPLETE.

18" AREA DRAIN
NOT TO SCALE



CONCRETE SPILLWAY DETAIL
NOT TO SCALE

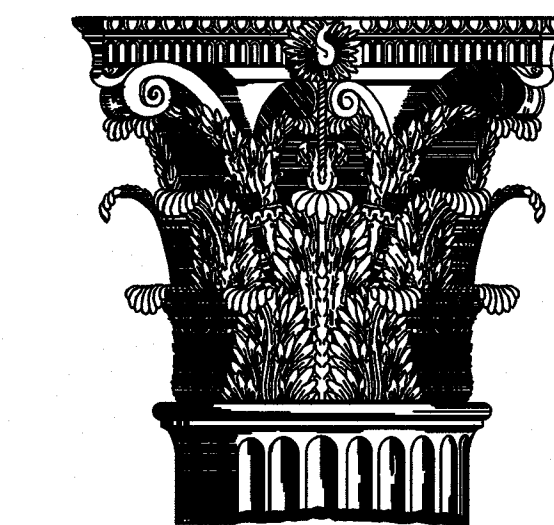


SEWER CLEANOUT
NOT TO SCALE

LEGEND

- TC EXISTING TOP OF CURB ELEVATION
- BC EXISTING BACK OF CURB ELEVATION
- G EXISTING GUTTER ELEVATION
- P EXISTING PAVEMENT ELEVATION
- RS EXISTING RUBBER SURFACE ELEVATION
- C EXISTING CONCRETE ELEVATION
- SW EXISTING SIDEWALK ELEVATION
- TW TOP OF WALL ELEVATION
- FL EXISTING FLOWLINE ELEVATION
- NG EXISTING GROUND ELEVATION
- TB EXISTING TOP OF BERM ELEVATION
- TS EXISTING TOE OF SLOPE ELEVATION
- BFP EXISTING BACKFLOW PREVENTER
- SIGN EXISTING SIGN
- BLDR. EXISTING BOULDER
- WV EXISTING WATER VALVE
- LIP EXISTING LIGHT POLE
- ICV EXISTING IRRIGATION CONTROL VALVE
- PV EXISTING PASTURE VALVE
- PST EXISTING POST
- EB EXISTING ELECTRIC BOX
- JB EXISTING JUNCTION BOX
- WR EXISTING WATER RISER
- GR EXISTING GAS RISER
- FH EXISTING FIRE HYDRANT
- WMB EXISTING WATER METER BOX
- SSCO EXISTING SANITARY SEWER CLEANOUT
- SSMH RIM=0.00 EXISTING SANITARY SEWER MANHOLE
- PB EXISTING PIPE BOLLARD
- PP EXISTING POWER POLE
- BBG EXISTING BASKETBALL GOAL
- AD RIM=0.00 EXISTING AREA DRAIN
- ET EXISTING ELECTRIC TRANSFORMER
- WMH RIM=00.00 EXISTING WATER MANHOLE
- VBP EXISTING VOLLEYBALL POLE
- (NF) DELINEATES NOT FOUND
- CLM EXISTING COLUMN
- HB EXISTING HOSE BIB
- FP EXISTING FLAGPOLE
- SL EXISTING STREET LIGHT
- TREE EXISTING TREE

Hunt & Caraway
Architects



1747 East Morten Avenue #306
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Voice 602.595.8200 Fax
602.595.8399
www.huntcaraway.com

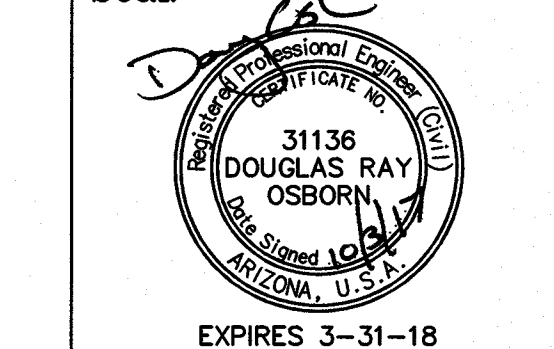
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NOTES, LEGEND,
AND DETAILS

Revisions:

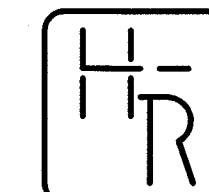
Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

Seal:



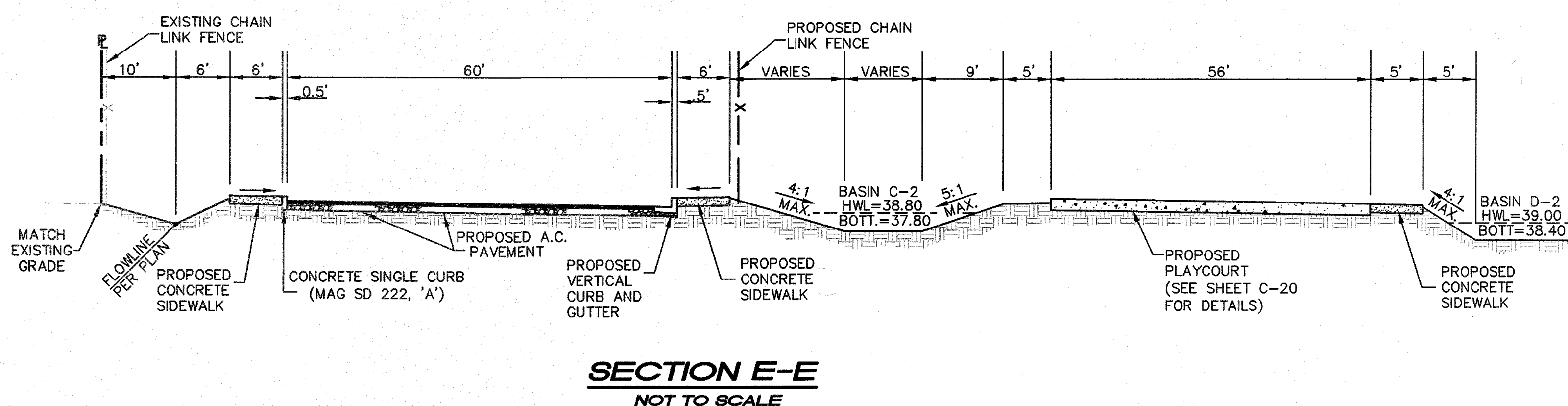
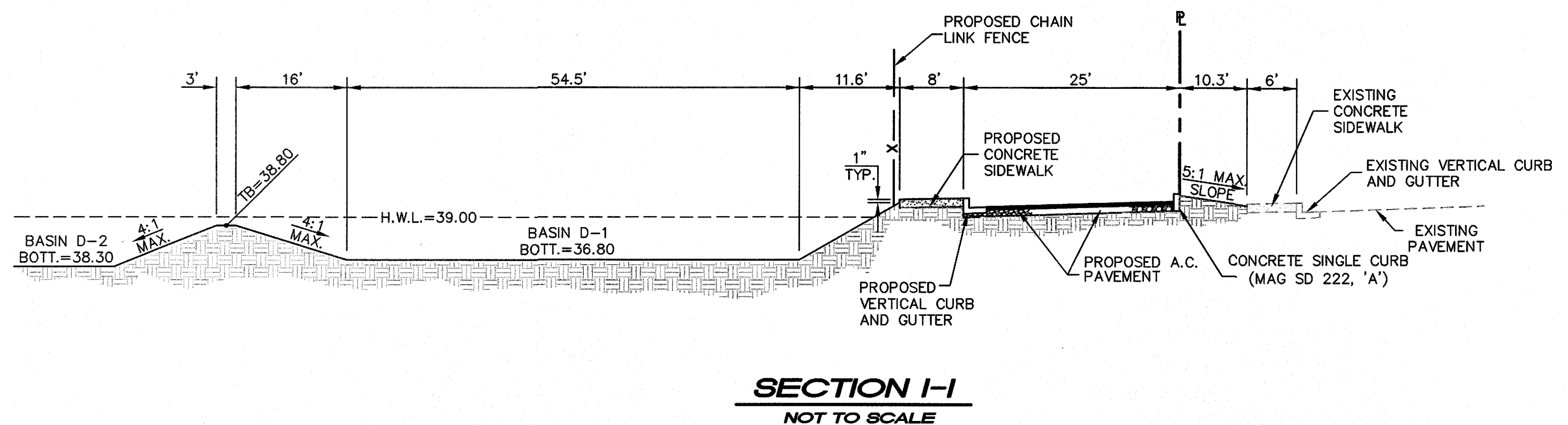
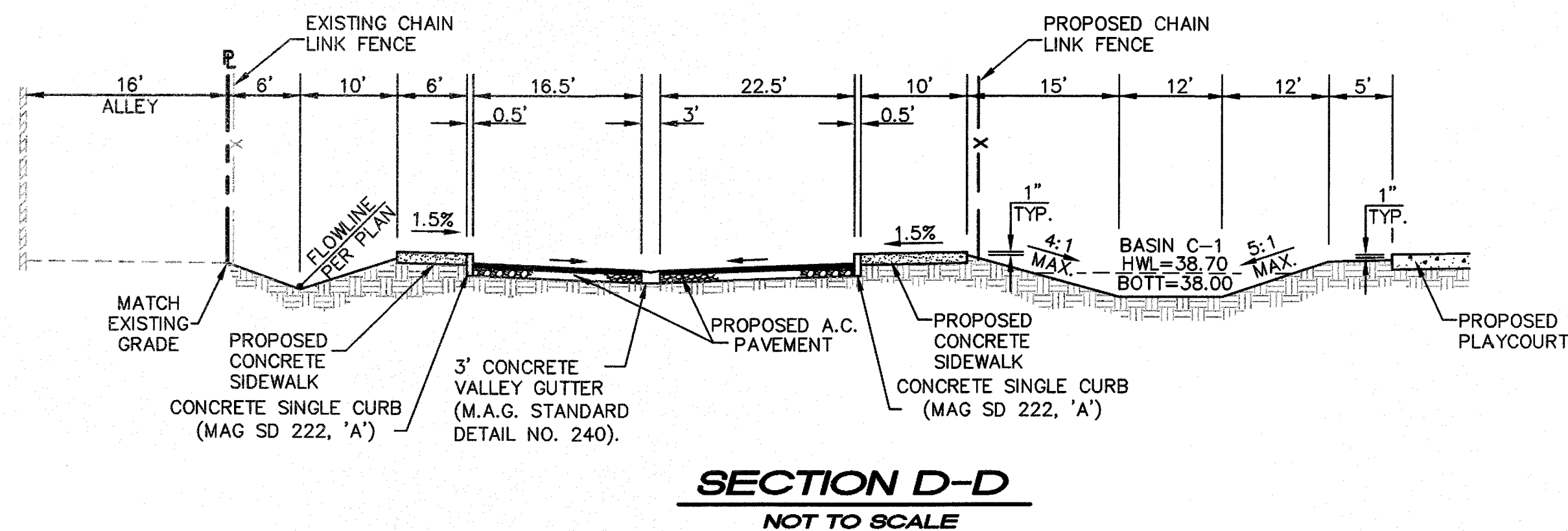
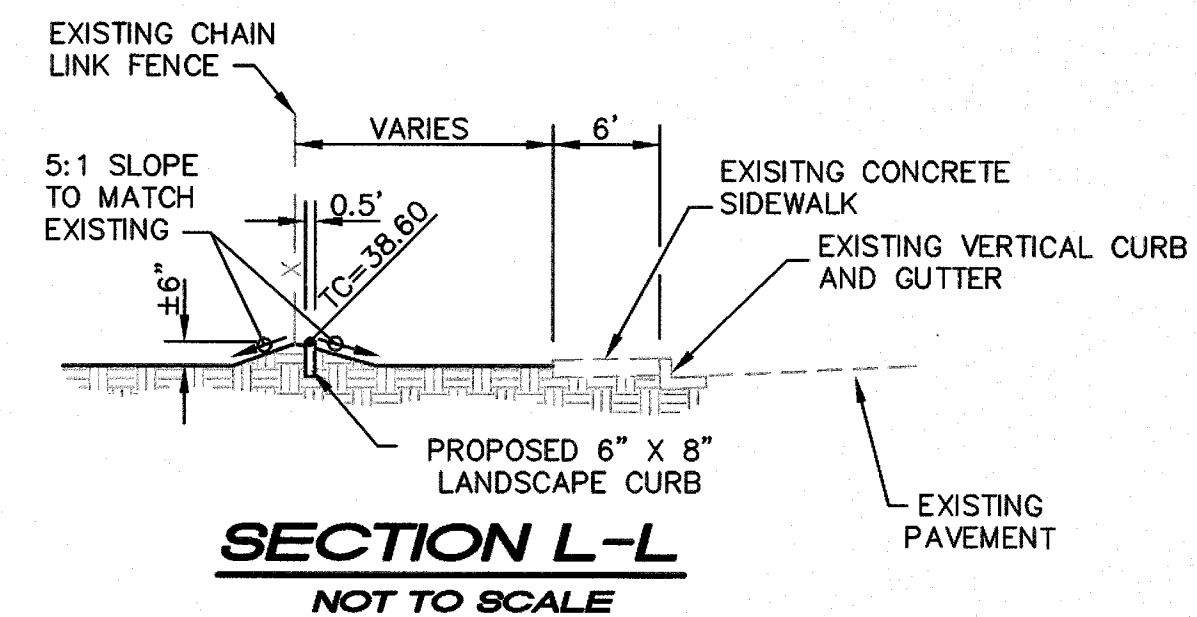
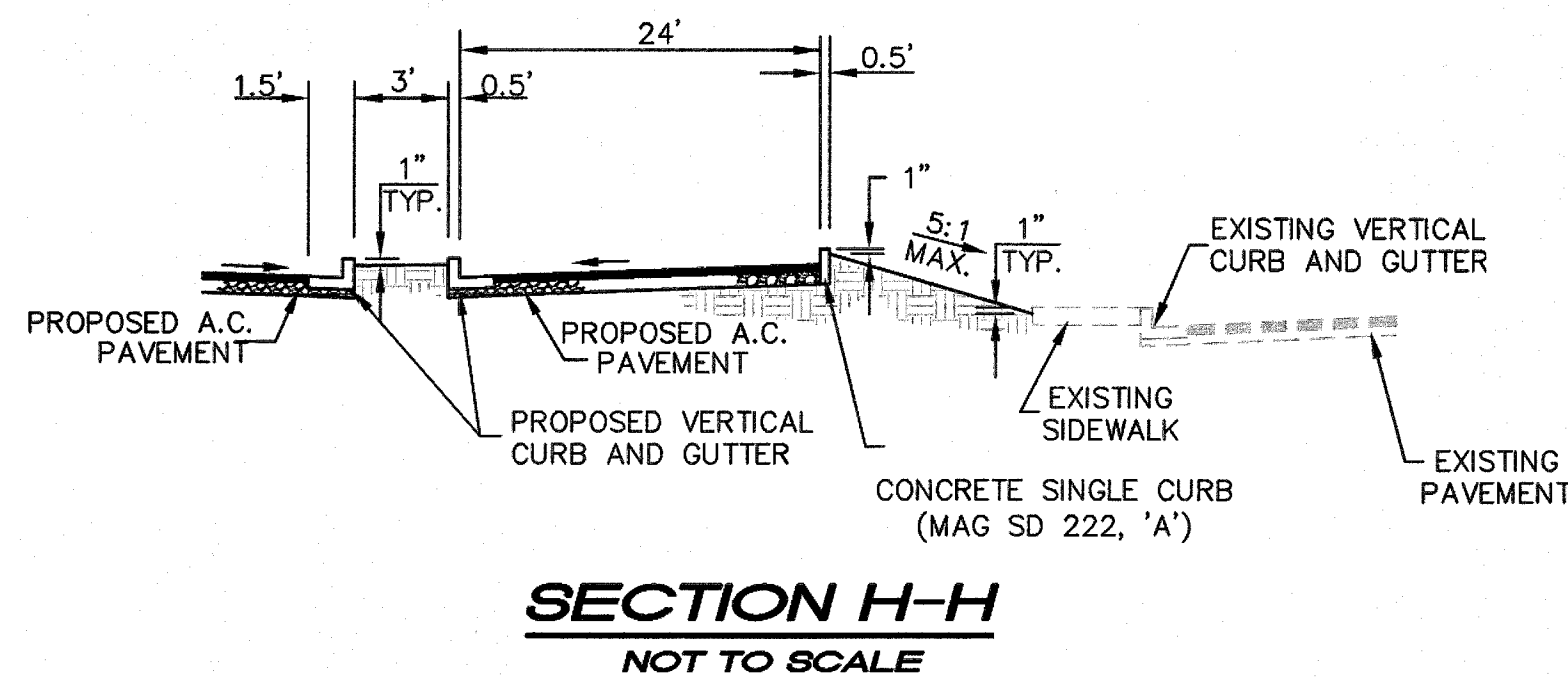
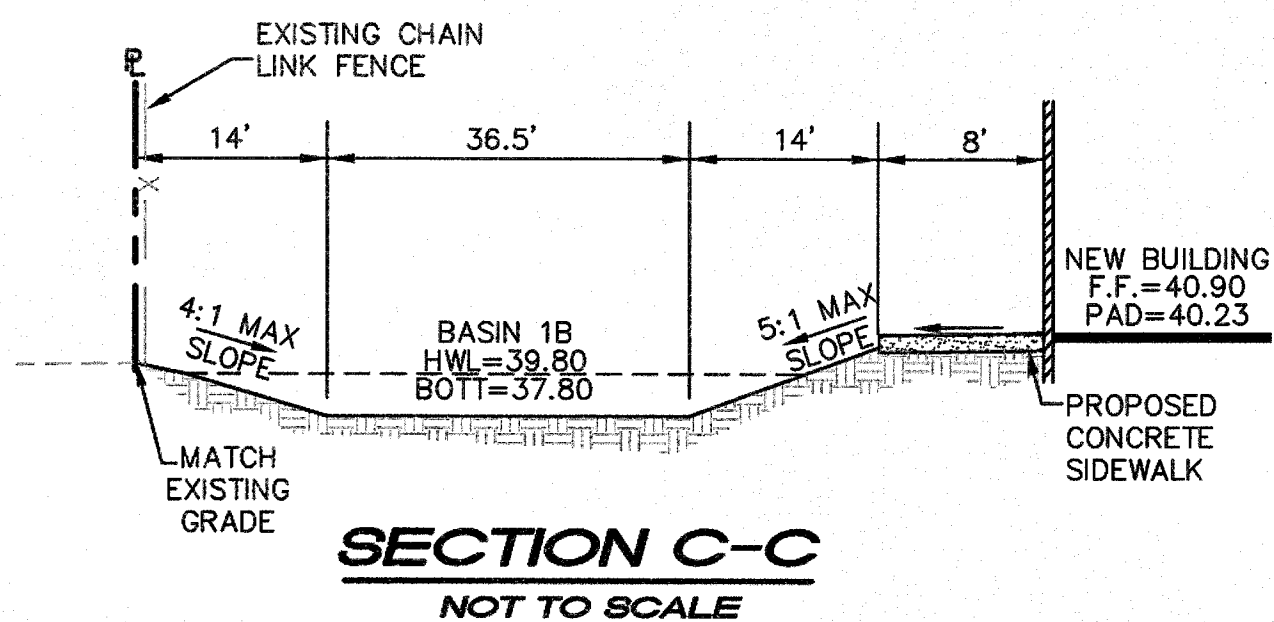
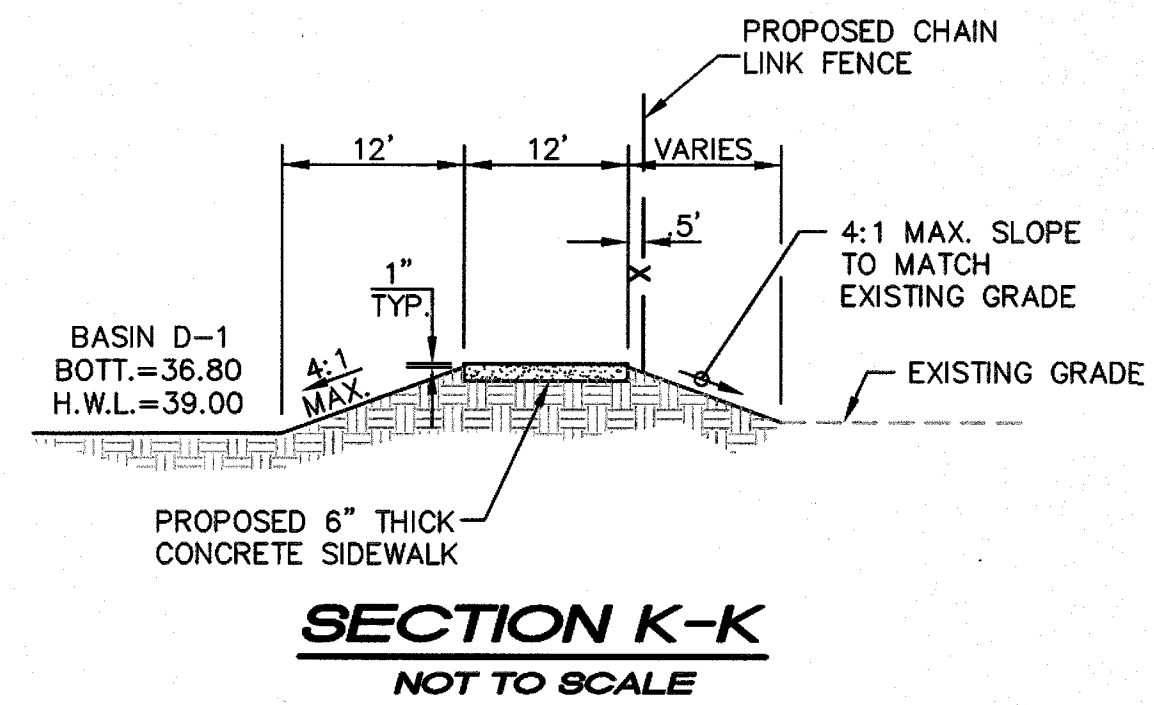
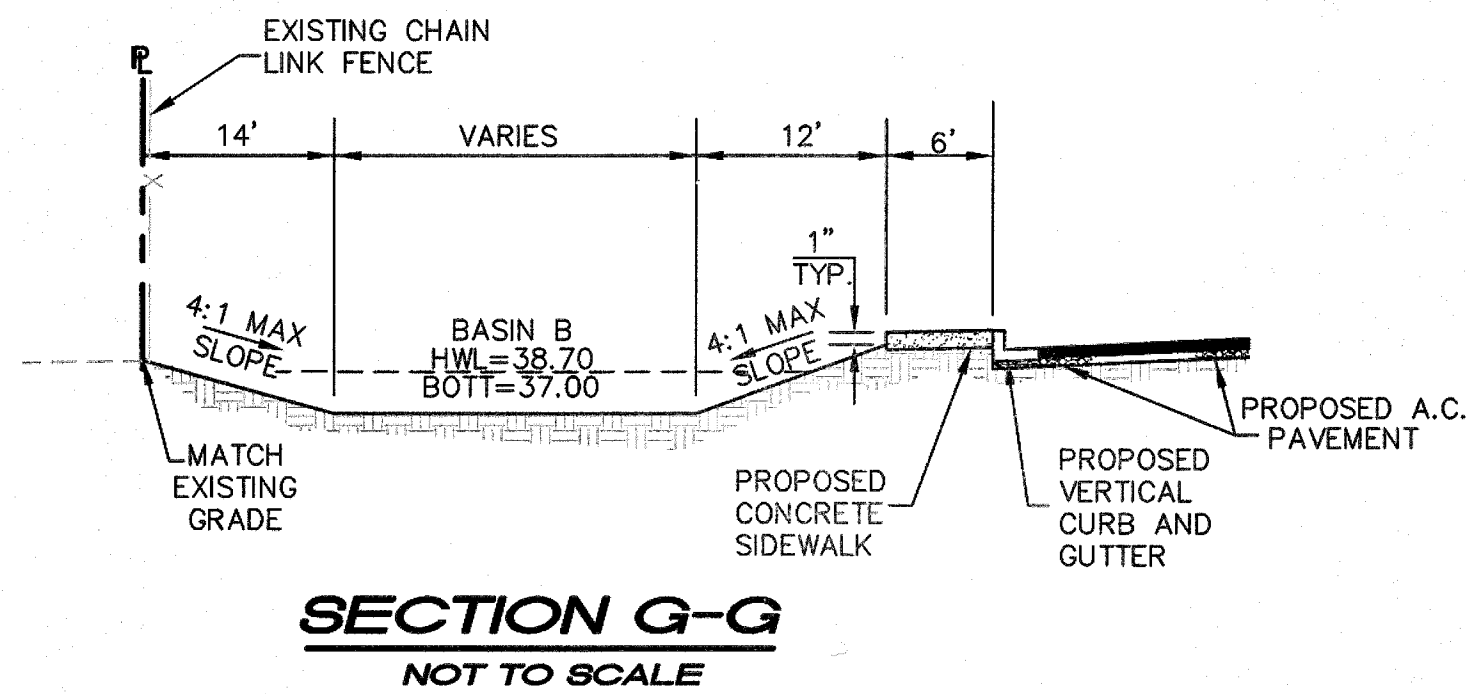
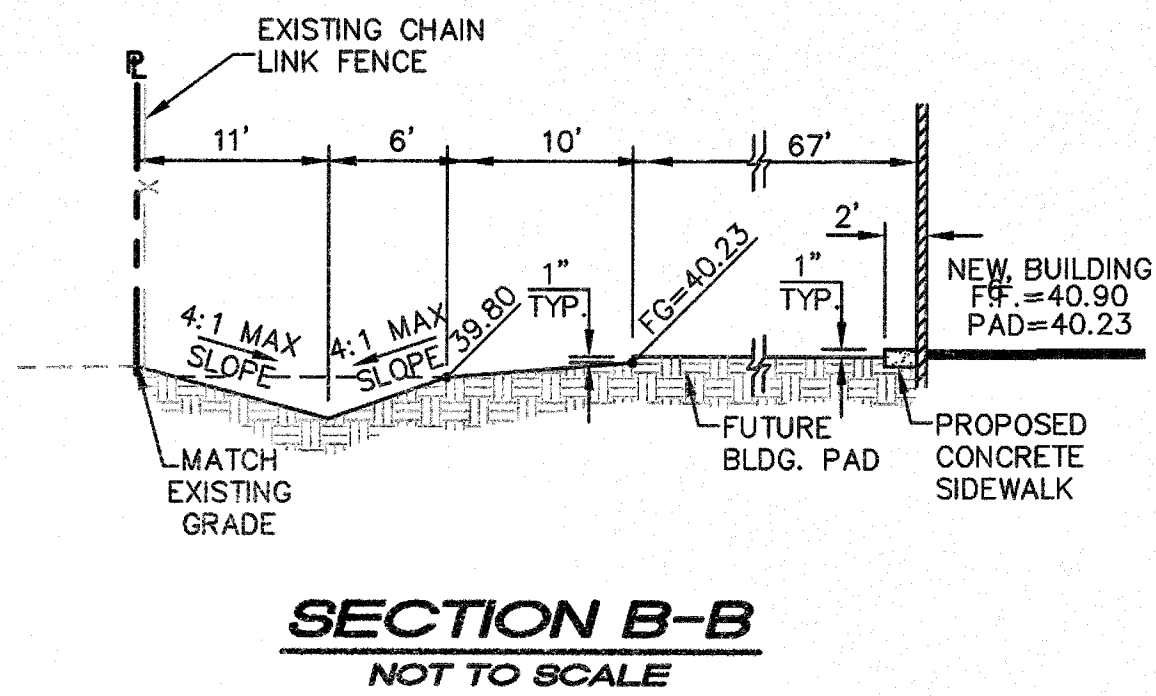
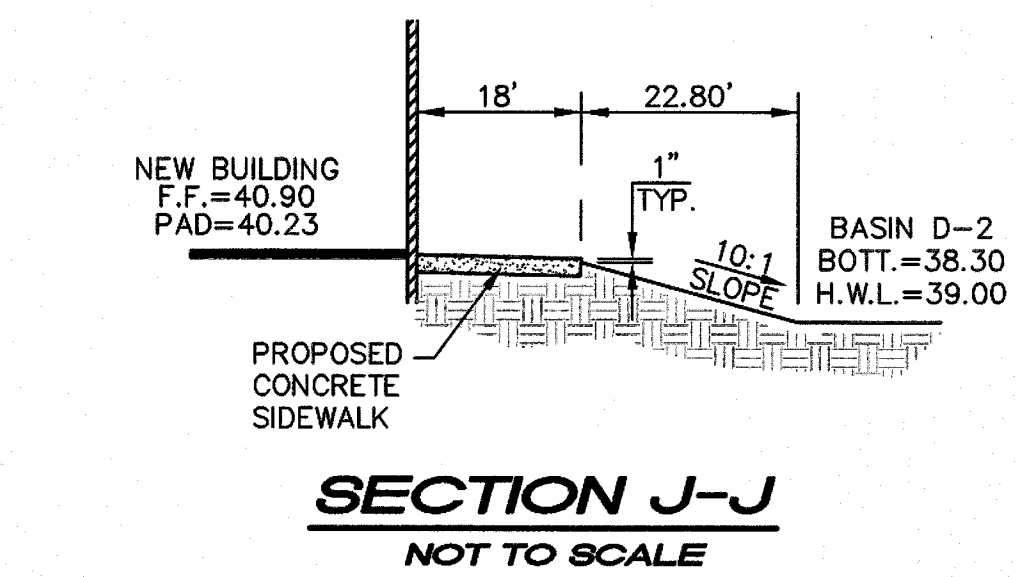
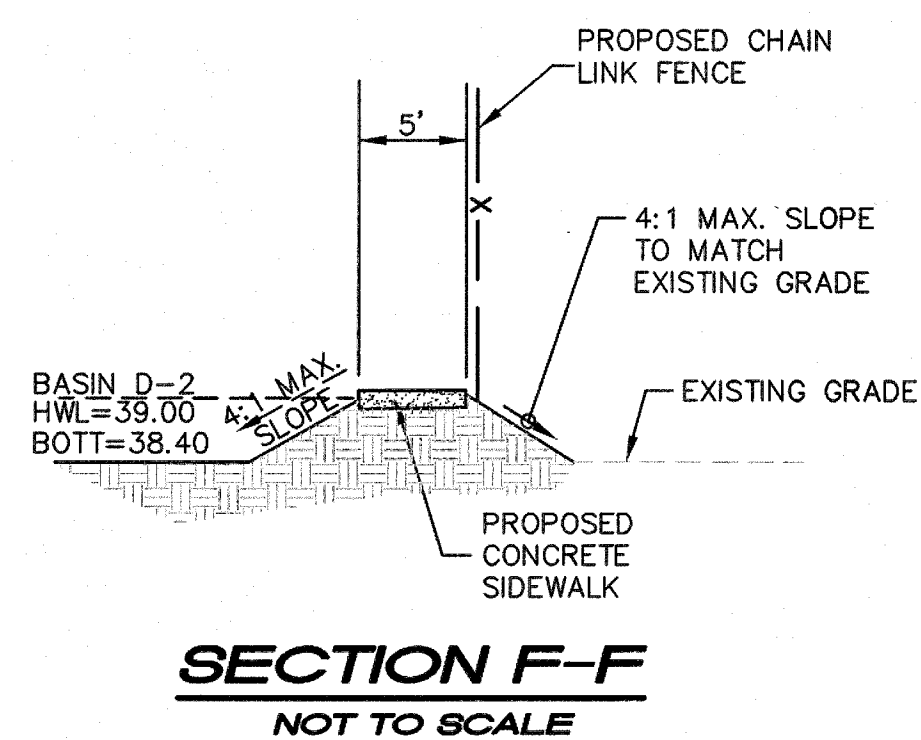
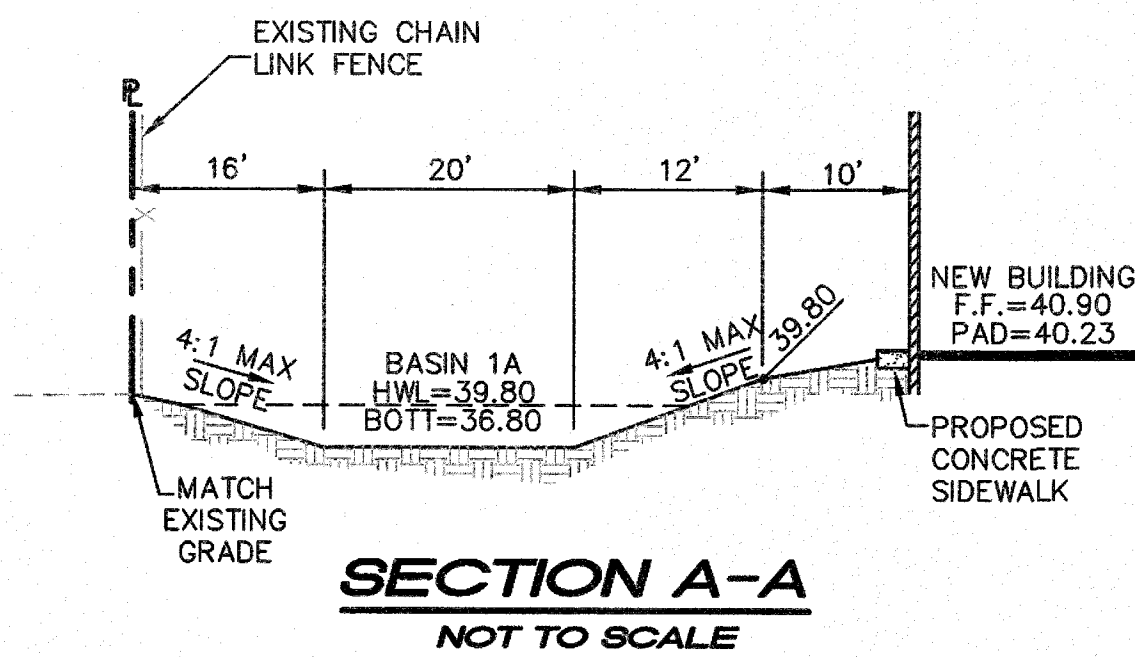
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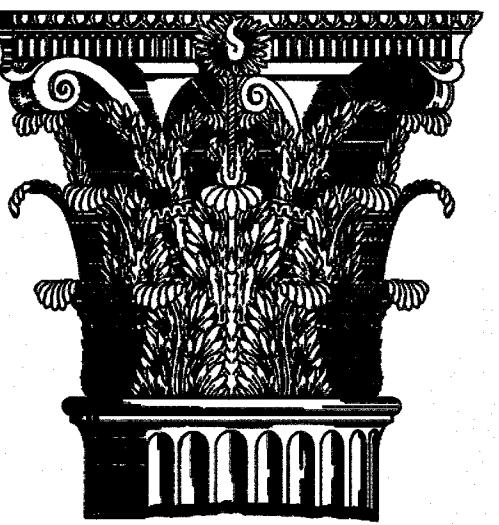


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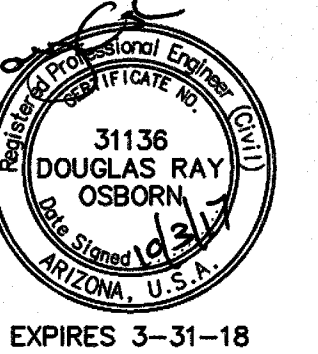
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NOTES, LEGEND,
AND DETAILS

Revisions:

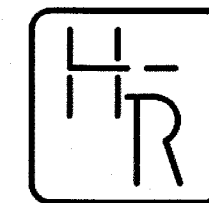
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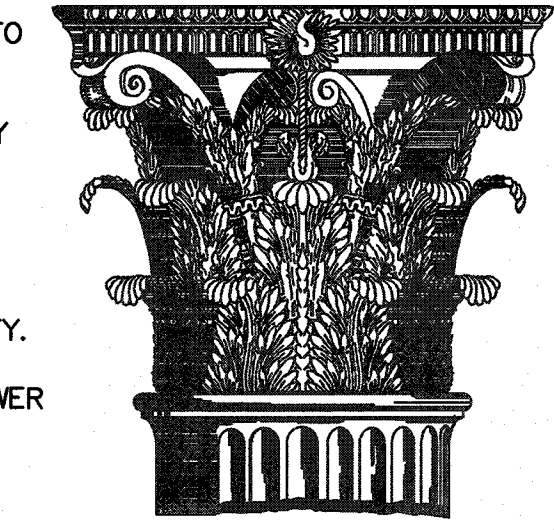


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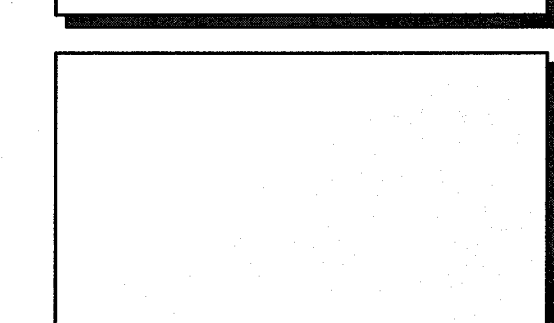
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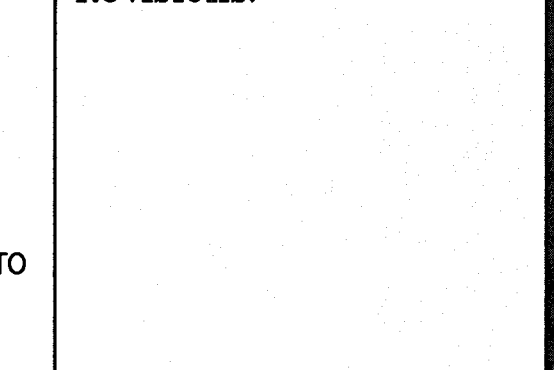
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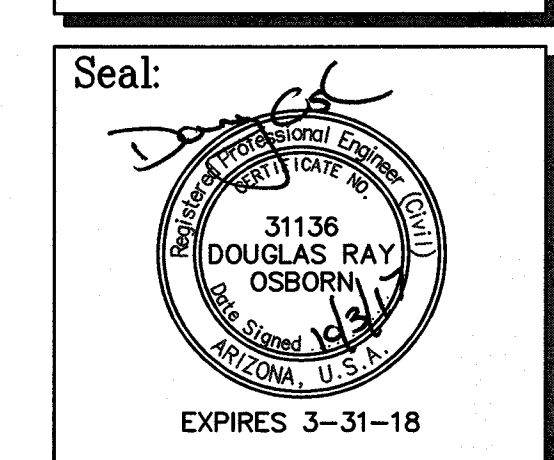
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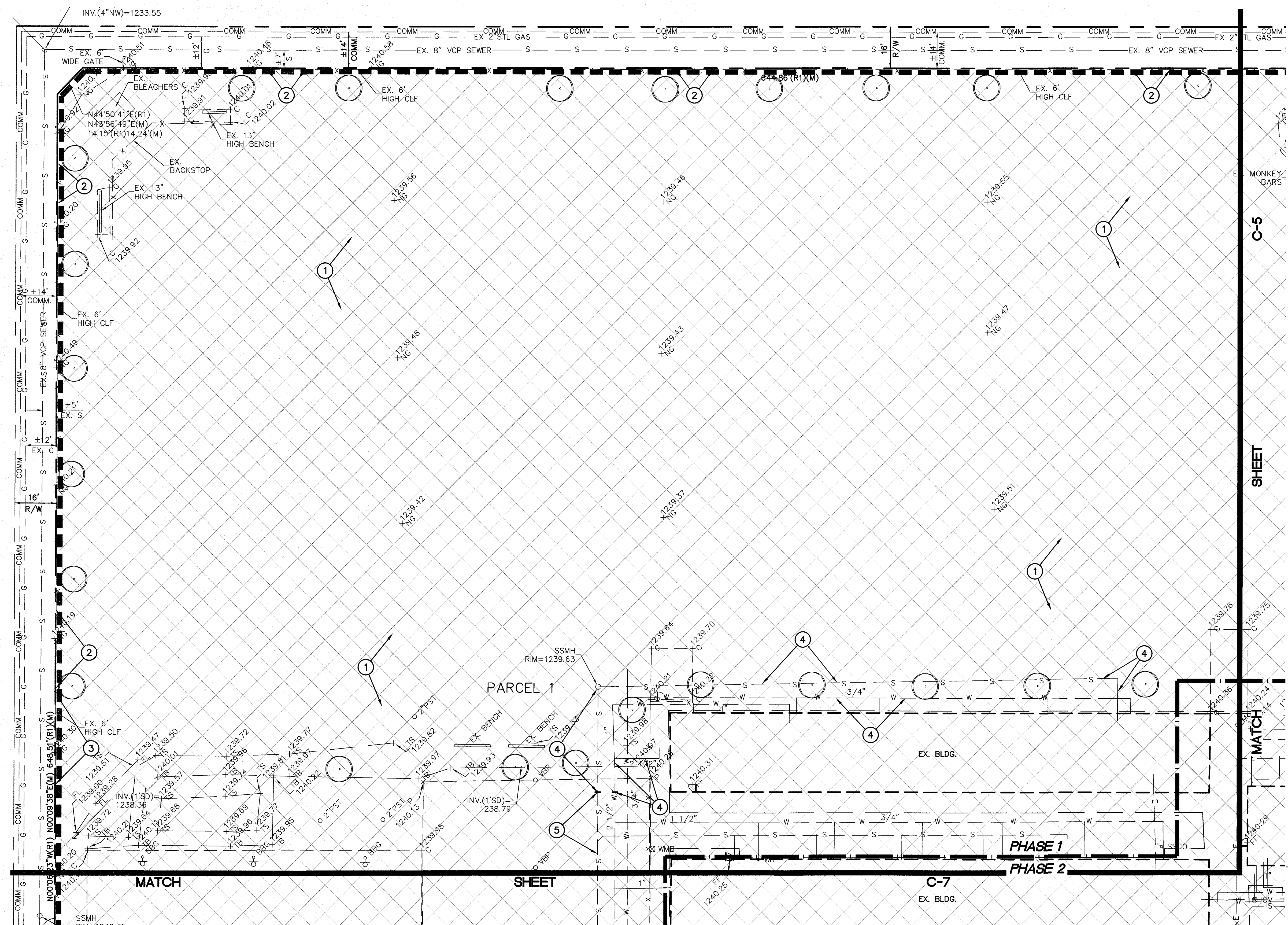
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GENERAL DEMOLITION NOTES:

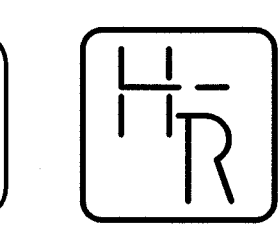
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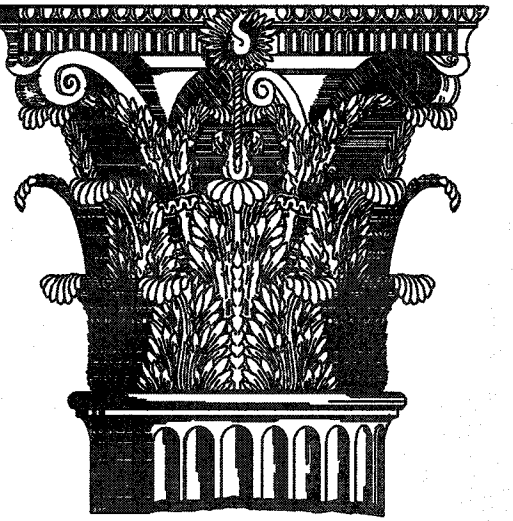
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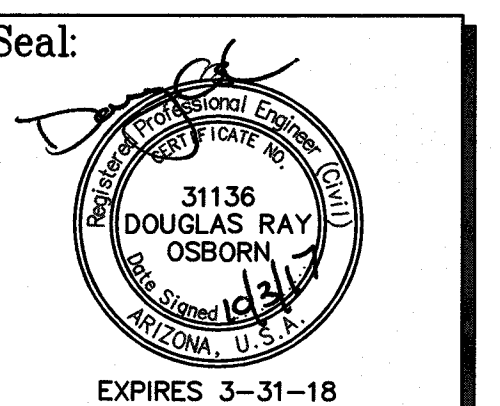
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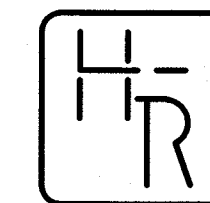
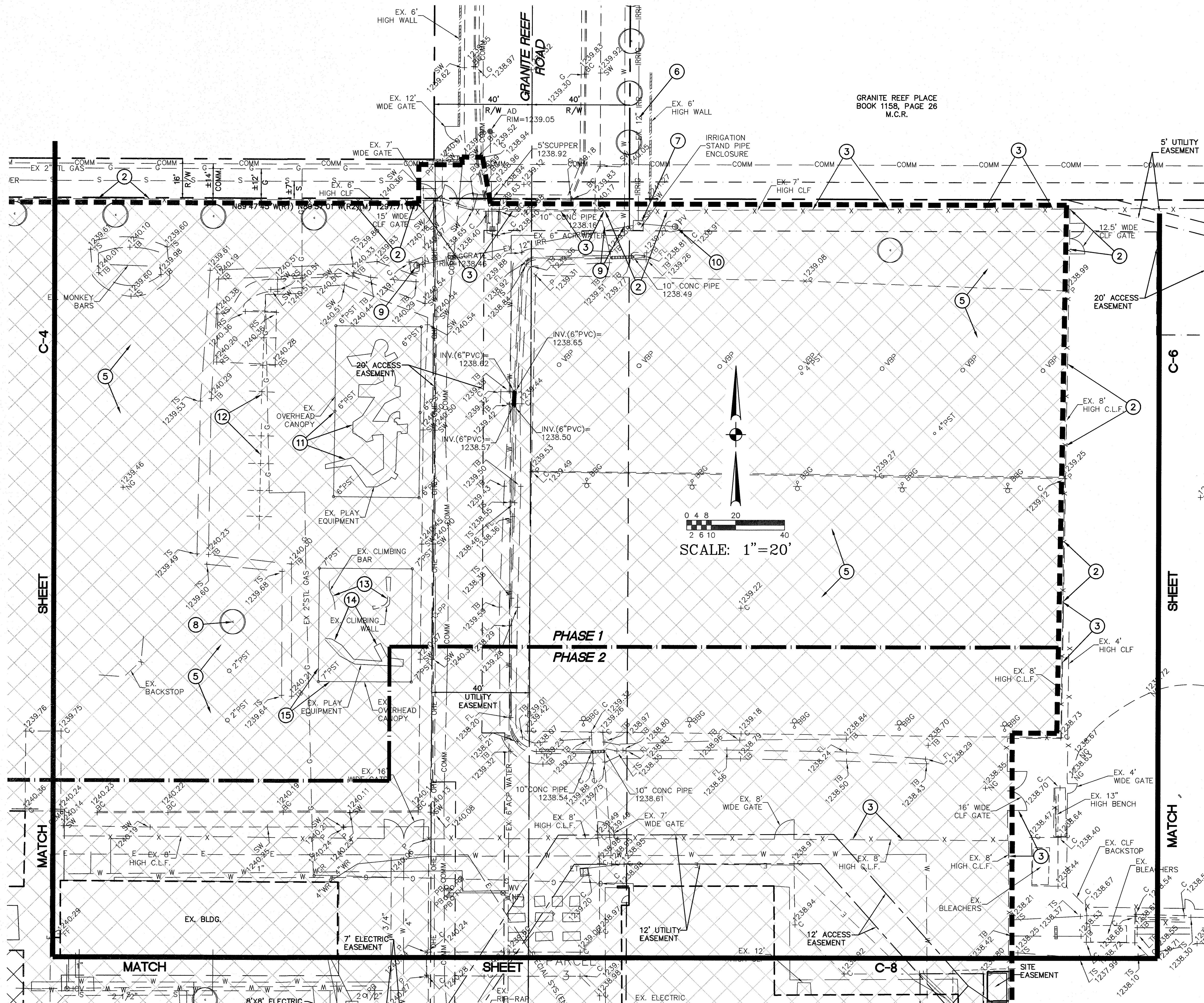
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C-5

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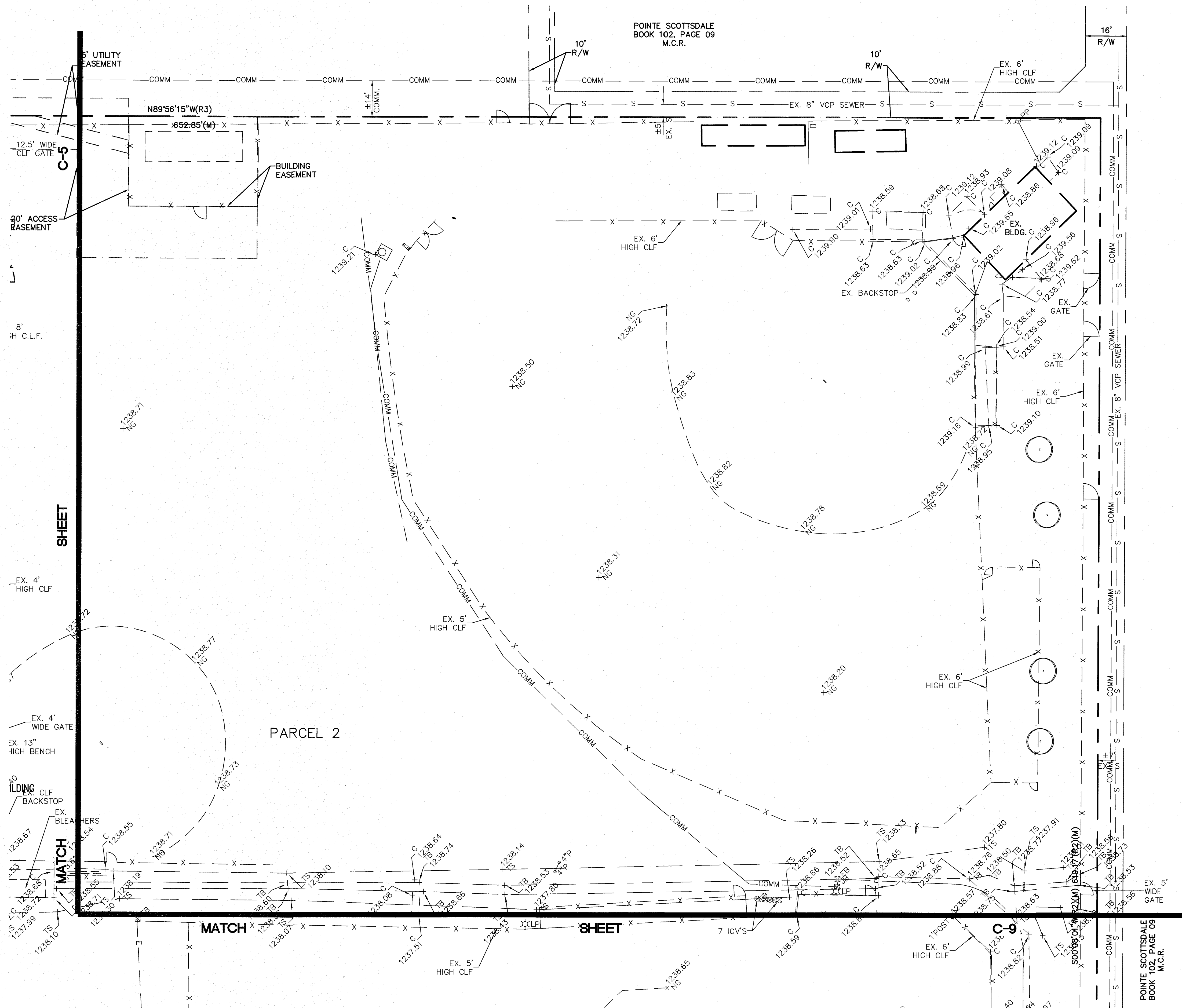
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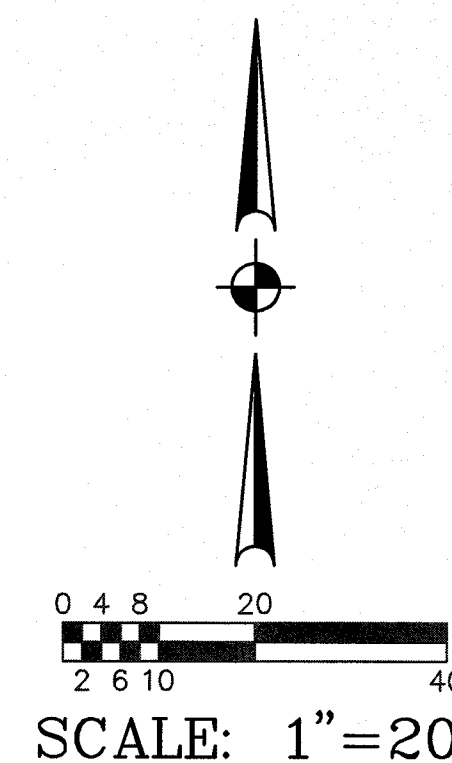


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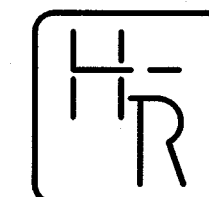
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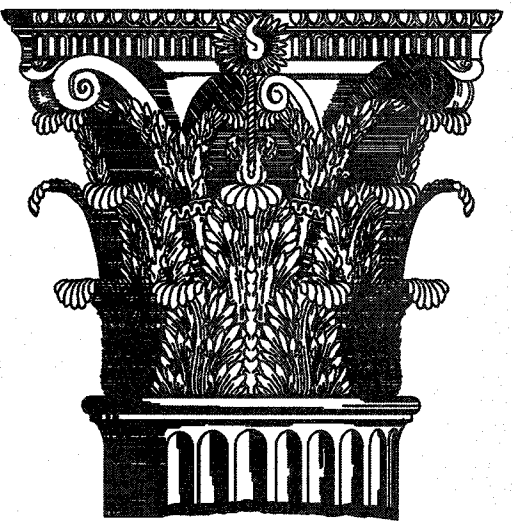


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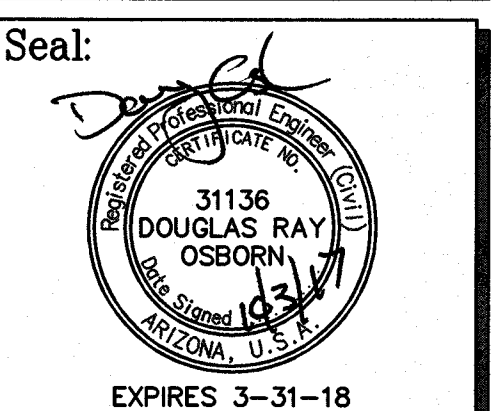
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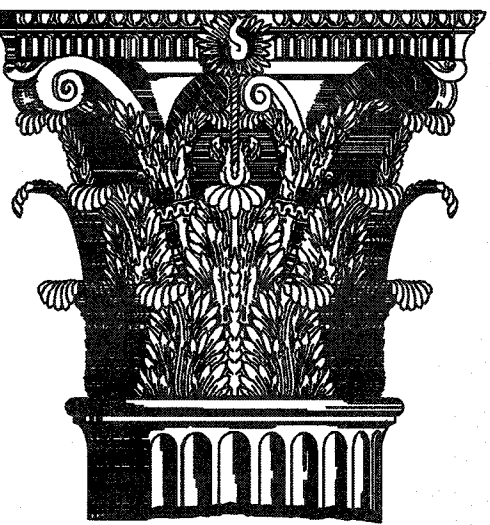
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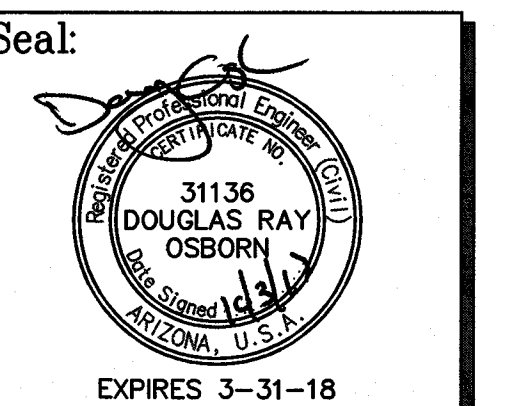
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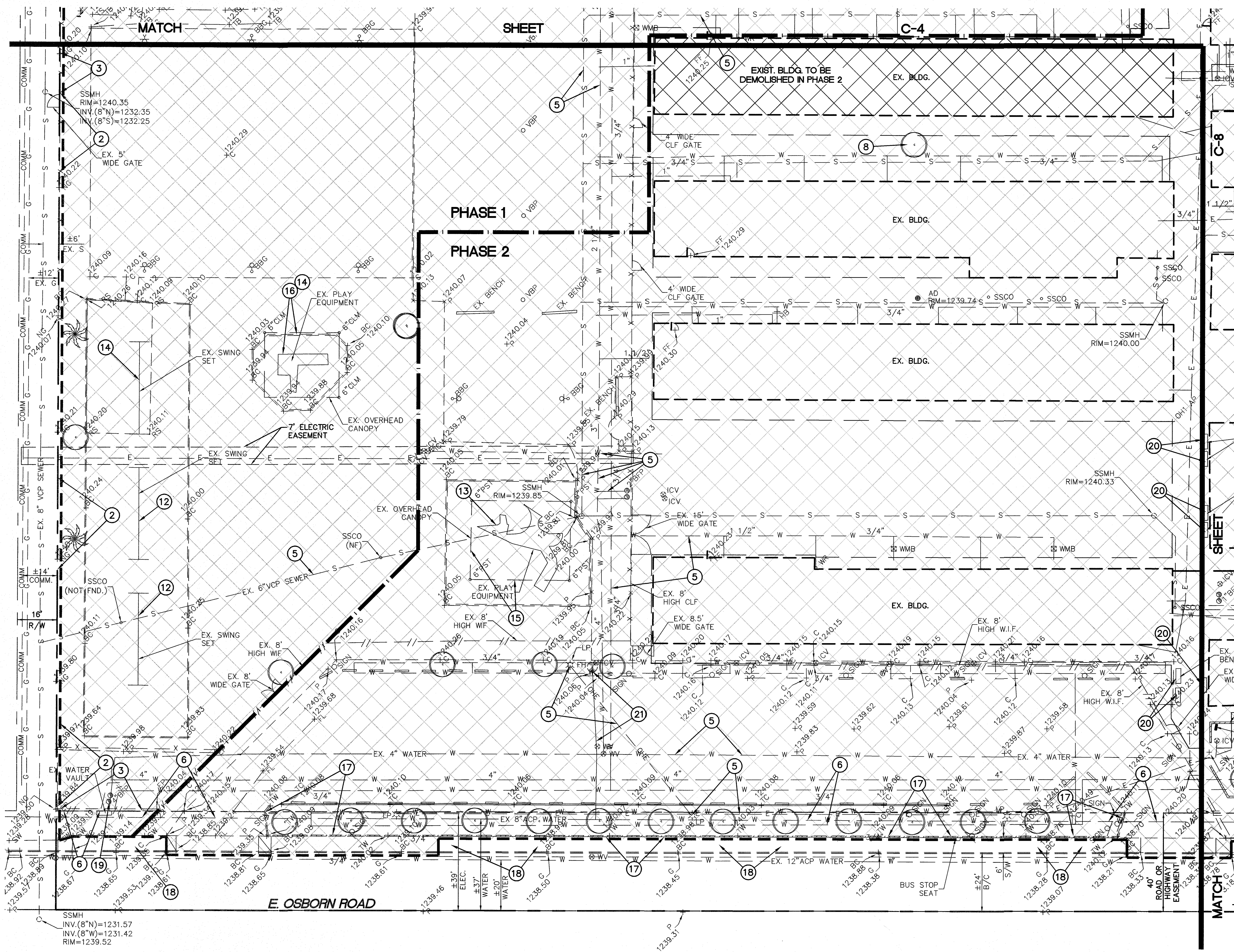
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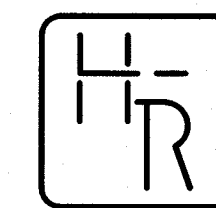
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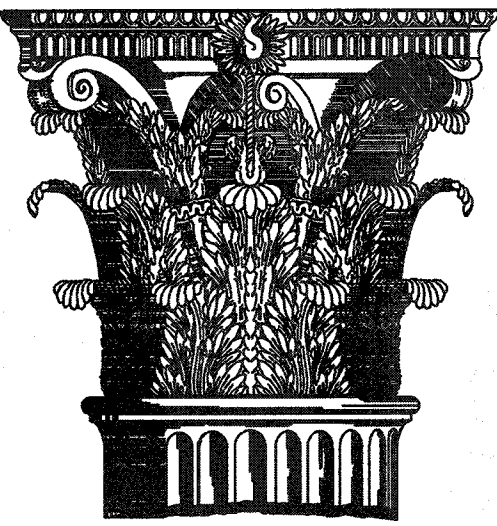


SCALE: 1"=20'



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www.huntcaraway.com

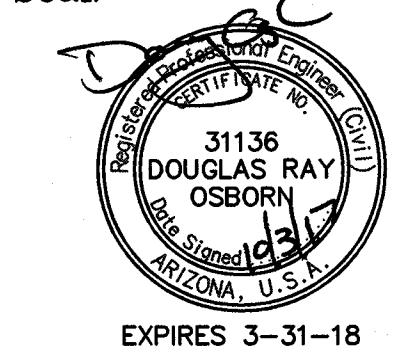
Pima Elementary School
Scottsdale Unified School District
8330 E Osborn Rd
Scottsdale, AZ

TOPOGRAPHIC
SURVEY AND
DEMOLITION PLAN

Revisions:

Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

Seal:



H-R JOB #
1705-06

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C-8

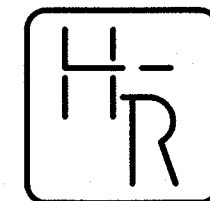
GENERAL DEMOLITION NOTES:

- 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 ARCHITECT SHALL BE THE SOLE JUDGE OF ACCEPTABILITY OF REPAIR OR REPLACEMENT.
- ALL NON-SALVAGE ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- SECURITY AND SAFETY ARE THE CONTRACTOR'S SOLE RESPONSIBILITY.
- FOR PHASE 1, ALL UTILITIES ARE TO REMAIN IN PLACE (WATER, SEWER TELEPHONE, STORM DRAIN, FLOOD IRRIGATION, GAS, ETC.) UNLESS NOTED OTHERWISE. PROTECT FROM DAMAGE.
- FOR PHASE 2, ALL EXISTING UTILITIES THAT SERVICE THE EXISTING BUILDINGS SHALL BE REMOVED OR ABANDONED IN PLACE. UTILITIES WITHIN THE PROPOSED BUILDING PAD SHALL BE REMOVED. UTILITIES OUTSIDE THE BUILDING PADS MAY BE ABANDONED IN PLACE IF THEY DO NOT CONFLICT WITH GRADING OR INSTALLATION OF THE NEW UTILITIES. ALL OPENINGS TO EXISTING PIPES THAT ARE ABANDONED IN PLACE SHALL BE CAPPED.
- SAWCUT SIDEWALKS AND CONCRETE AT NEAREST JOINT OR AS DIRECTED BY THE CITY INSPECTOR.
- SAWCUT ASPHALTIC CONCRETE AT LIMITS OF DEMOLITION AS SHOWN ON PLANS OR AS DIRECTED BY THE CITY INSPECTOR.
- SALVAGE ITEMS NOT BEING REINSTALLED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.
- ALL LED LIGHTS INSIDE THE BUILDINGS, UNDER EAVES OR IN THE PARKING LOTS SHALL BE SALVAGED AND DELIVERED TO THE OWNER.
- SALVAGE ALL EXISTING BOULDERS FOR REUSE ON THE SITE. COORDINATE WITH THE LANDSCAPE ARCHITECT.
- SALVAGE ALL TRASH CANS AND PICNIC TABLES AND DELIVER TO OWNER.

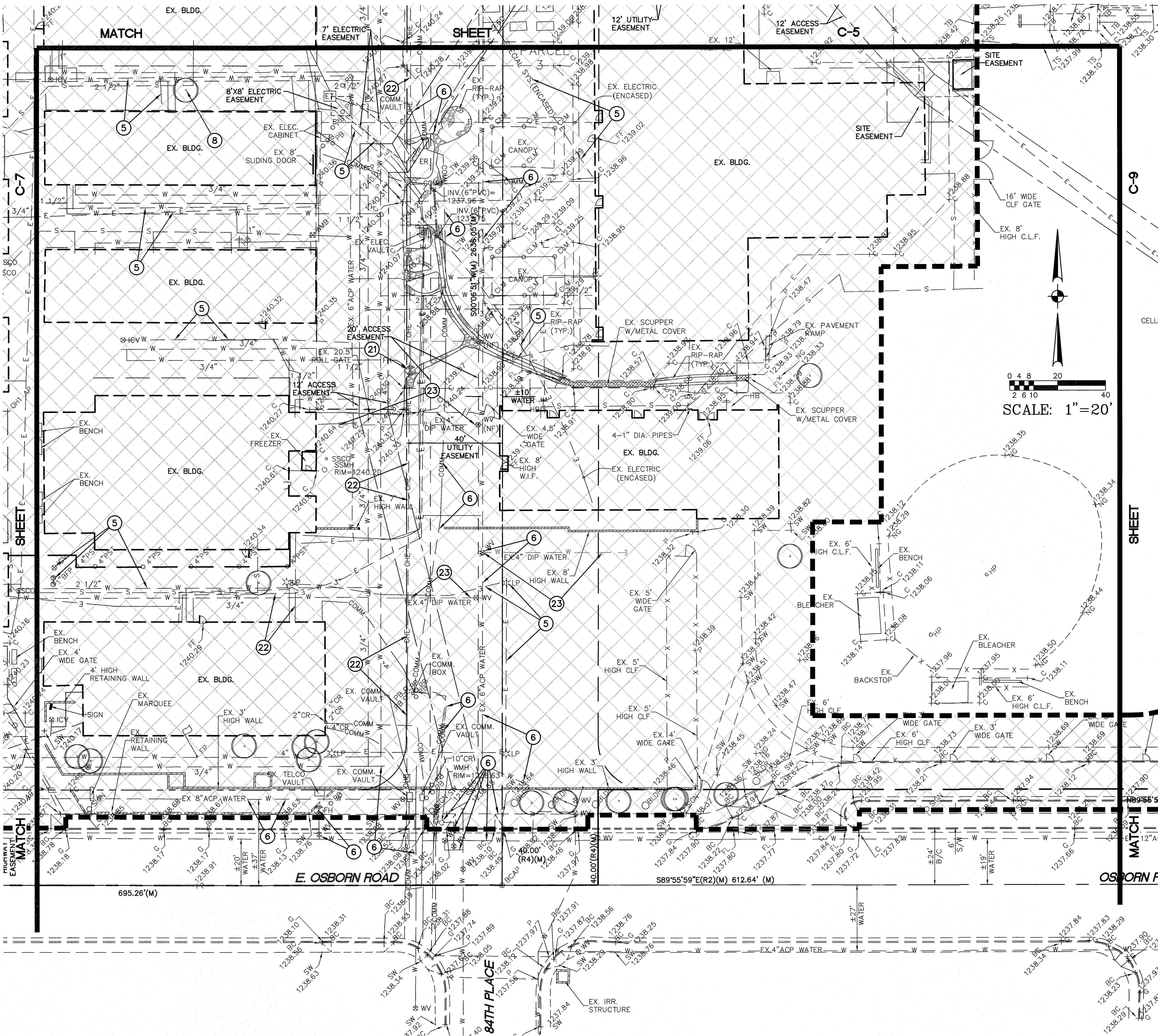
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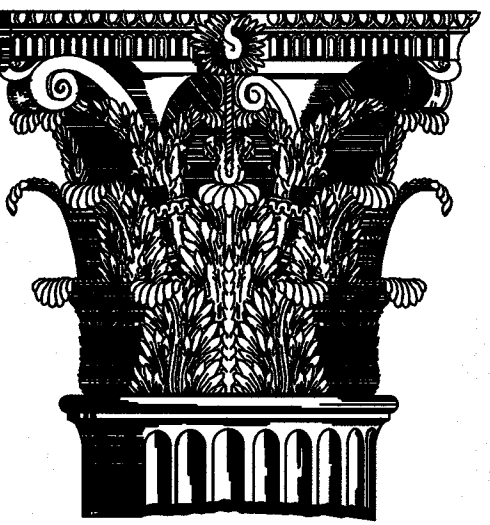
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- SALVAGE EXISTING TREE (SEE LANDSCAPE PLANS).
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- EXISTING PLAY EQUIPMENT TO BE REMOVED BY OWNER.
- REMOVE AND SALVAGE EXISTING SWING.
- SALVAGE EXISTING PLAY EQUIPMENT. SEE LANDSCAPE PLANS FOR REINSTALLATION.
- DEMOLISH EXISTING PLAY EQUIPMENT OR SWING.
- SALVAGE EXISTING SHADE STRUCTURE.
- DEMOLISH EXISTING SHADE STRUCTURE.
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- EXISTING FIRE HYDRANT TO BE REMOVED (SEE WATER LINE PLANS ON SHEET C-26 TO C-30).
- OVERHEAD ELECTRICAL TO BE PLACED UNDERGROUND. COORDINATE WITH SRP.
- EXISTING PRIVATE FIRE LINE TO BE REMOVED. (SEE WATER LINE PLANS (SHEET C-26 TO C-30)).

SEE SHEET C-2 FOR TOPOGRAPHIC SURVEY LEGEND



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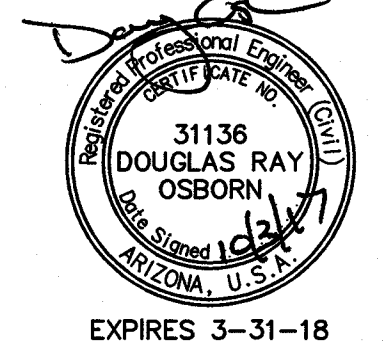
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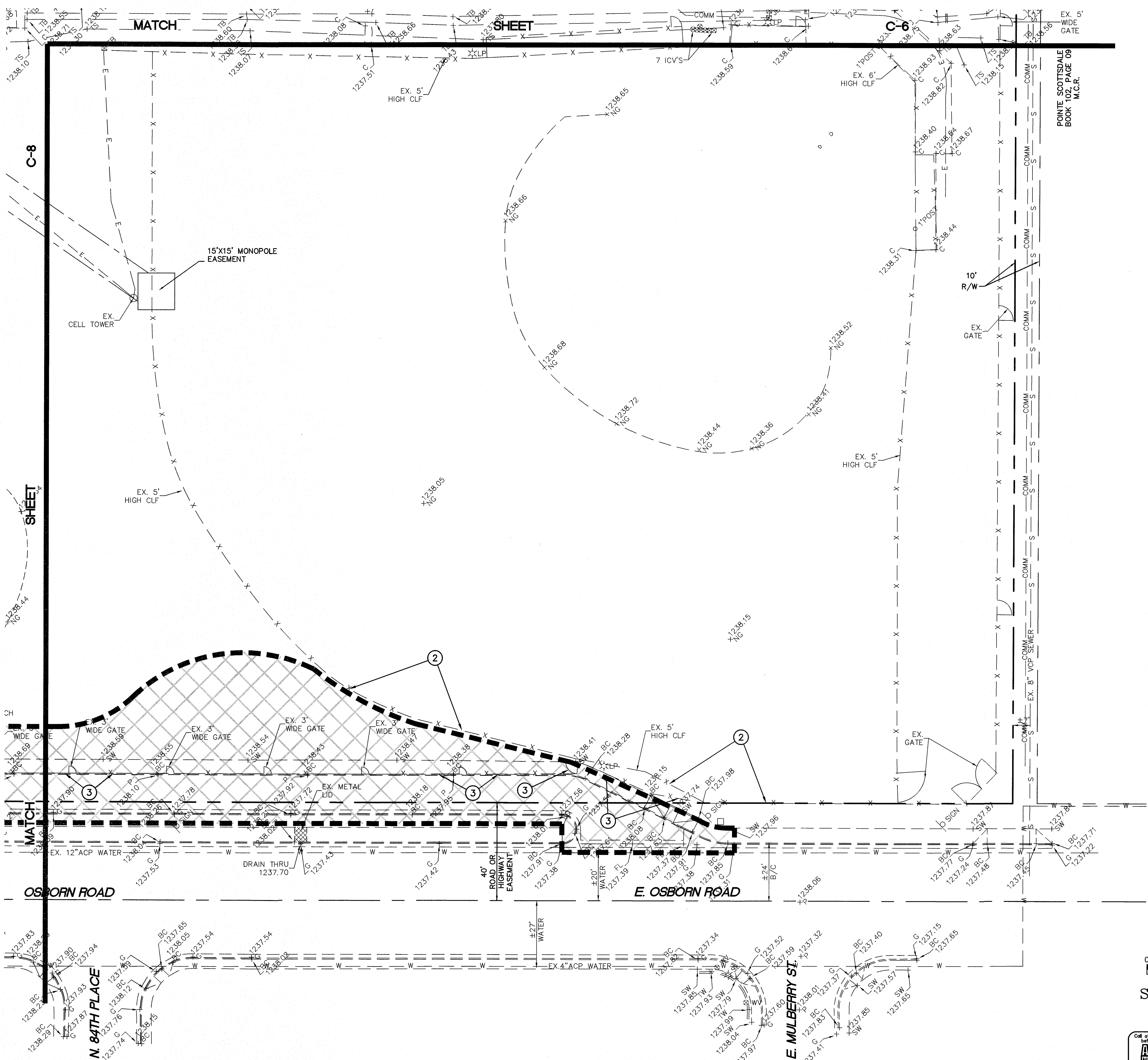
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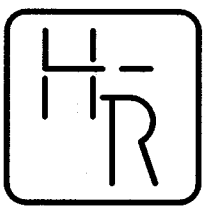
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0 4 8 20
2 6 10 40
SCALE: 1"=20'



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District
8330 E Osborn Rd
Scottsdale, AZ

GRADING AND DRAINAGE PLAN

Drawn by: ANM
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Registered Professional Engineer (CIVIL)

CERTIFICATE NO.

31136

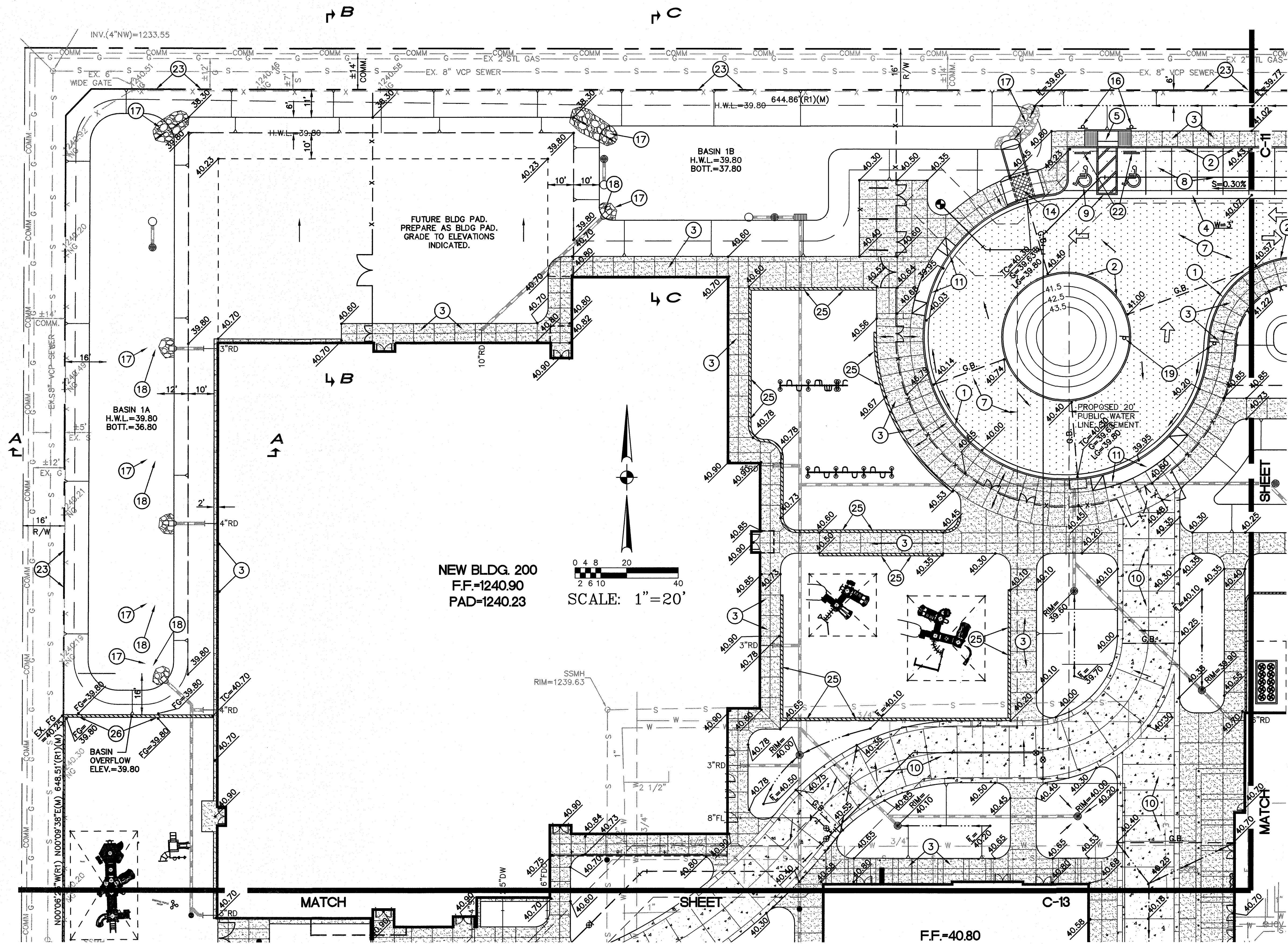
DOUGLAS RAY OSBORN

Date Signed 10/31/17

ARIZONA, U.S.A.

EXPIRES 3-31-18

10 OF 26
C-10

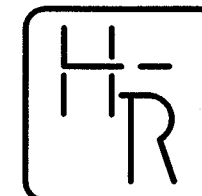


- (1) INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220, TYPE A).
- (2) INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE A).
- (3) INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230).
- (4) INSTALL CONCRETE VALLEY GUTTER AND APRON WHERE INDICATED (MAG STANDARD DETAIL NO. 240). WIDTH PER PLAN.
- (5) INSTALL SIDEWALK RAMP (TYPE I).
- (6) INSTALL SIDEWALK RAMP (TYPE II).
- (7) INSTALL A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 12" A.B.C.) DRIVE AREAS.
- (8) INSTALL A.C. PAVEMENT (2.5" A.C. (3/4 INCH) OVER 6" A.B.C.) IN PARKING STALLS.
- (9) PAINT STRIPE PARKING LOTS TO THE ALIGNMENTS INDICATED, INCLUDING ALL DIRECTIONAL ARROWS, HANDICAPPED SYMBOLS, CROSSWALKS, ETC.).
- (10) INSTALL CONCRETE FIRE LANE (10" THICK 4000 P.S.I CONCRETE OVER 8" COMPACTED SUBGRADE).
- (11) INSTALL CONCRETE DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250 MODIFIED TO BE 10" THICK).
- (12) INSTALL CONCRETE PLAYCOURT (SEE DETAILS ON SHEET C-20).
- (13) PAINT 4 SQUARE COURT ON SIDEWALK (SEE DETAILS ON SHEET C-20).
- (14) INSTALL 6.5' WIDE SIDEWALK SCUPPER WITH HANDRAIL (MAG STANDARD DETAIL NO. 206). MODIFY SPILLWAY TO HAVE A LEVEL CONCRETE PAD IN THE BOTTOM OF THE BASIN AS INDICATED ON THE PLANS.
- (15) INSTALL 4" WIDE CONCRETE SPILLWAY (SEE DETAIL ON SHEET C-2).
- (16) INSTALL HANDICAP PARKING SIGN PER CITY OF SCOTTSDALE REQUIREMENTS.
- (17) INSTALL RIP-RAP. 10" DEEP D50=6".
- (18) INSTALL CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
- (19) INSTALL "DO NOT ENTER SIGN" (MUTCD R5-1, WITH POST AND BASE PER MAG STD. DTL 131, TYPE 'C').
- (20) INSTALL SOCCER GOAL (SPORTS EDGE SE700 WITH REAR WHEEL KIT OR APPROVED EQUAL).
- (21) EXISTING COMMUNICATION BOX IN PLAYFIELD TO BE RELOCATED OUT OF PLAYFIELD OR LOWERED TO BE 1' BELOW FINISH GRADE. COORDINATE WITH UTILITY COMPANY.
- (22) INSTALL PRECAST SAFETY CURB (MAG STANDARD DETAIL 150, TYPE B-3).
- (23) MATCH EXISTING GRADE. (4:1 MAX SLOPE).
- (24) INSTALL SIDEWALK RAMP (CITY OF SCOTTSDALE STANDARD DETAIL NO. 223A).
- (25) INSTALL WEEPHOLES IN SEAT WALL AT 10' ON CENTER. WEEPHOLES SHALL BE A MINIMUM OF 4" DIAMETER AND SHALL BE INSTALLED AT SAME ELEVATION AS THE ADJACENT SIDEWALK.
- (26) INSTALL WEEPHOLE IN WALL AT 4' ON CENTER. WEEPHOLE SHALL BE A MINIMUM OF 6" DIAMETER AND SHALL BE INSTALLED AT A FLOWLINE ELEVATION OF 39.80.
- (27) INSTALL 6" THICK CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230 MODIFIED TO BE 6" THICK).
- (28) SAWCUT, REMOVE AND REPLACE 2' MINIMUM OF EXISTING A.C. PAVEMENT IN KIND.
- (29) CONNECT TO EXISTING 12" FLOOD IRRIGATION PIPE WITH CONCRETE COLLAR (MAG STANDARD DETAIL NO. 505).
- (30) INSTALL 12" PLASTIC IRRIGATION PIPE (DR 41) WITH 2' MINIMUM COVER.
- (31) INSTALL PASTURE VALVE (SEE DETAIL NO. SHEET C-2).
- (32) INSTALL WEEP HOLES IN WALL AT 4' ON CENTER. WEEPHOLES SHALL BE A MINIMUM 4" DIAMETER AND SHALL BE INSTALLED AT AN ELEVATION OF 40.30.
- (33) EXISTING COMMUNICATION BOX AND PEDESTAL TO BE RELOCATED. COORDINATE WITH UTILITY COMPANY.
- (34) REMOVE EXISTING CURB, GUTTER, SIDEWALK AND INSTALL MID-BLOCK SIDEWALK RAMP - TYPE B (SCOTTSDALE STANDARD DETAIL NO. 2235-2).

Call at least two full working days
before you begin excavation.

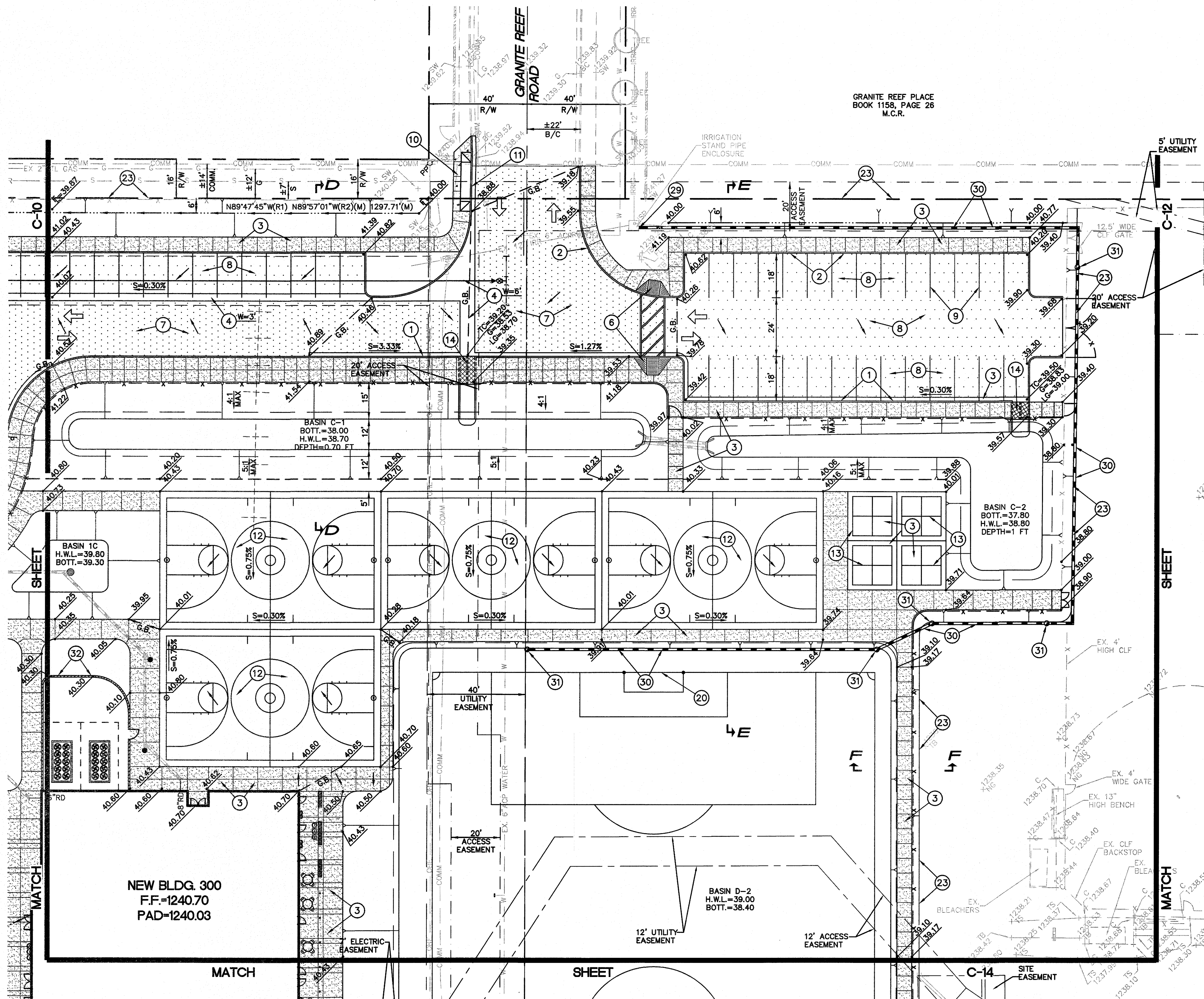
ARIZONA 811
Arizona Blue Stakes, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 283-1100

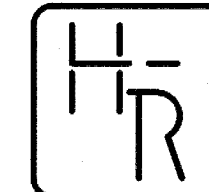


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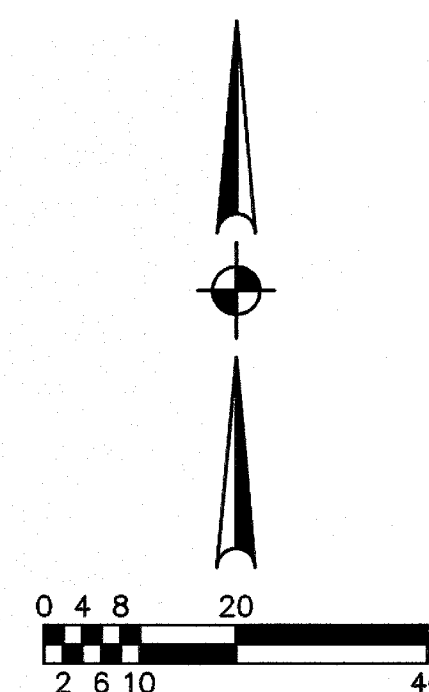
*SEE SHEET C-3
FOR SECTIONS



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Hunt & Caraway
Architects



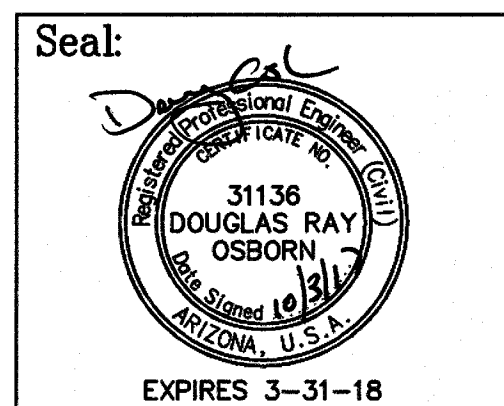
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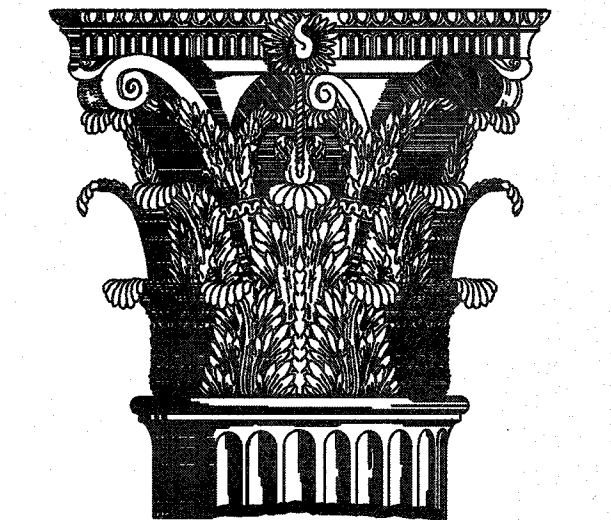
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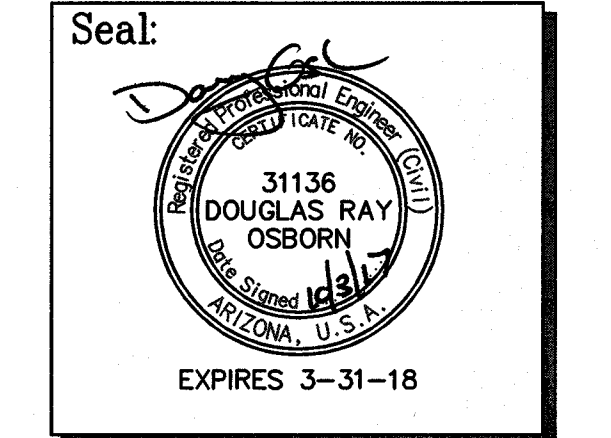
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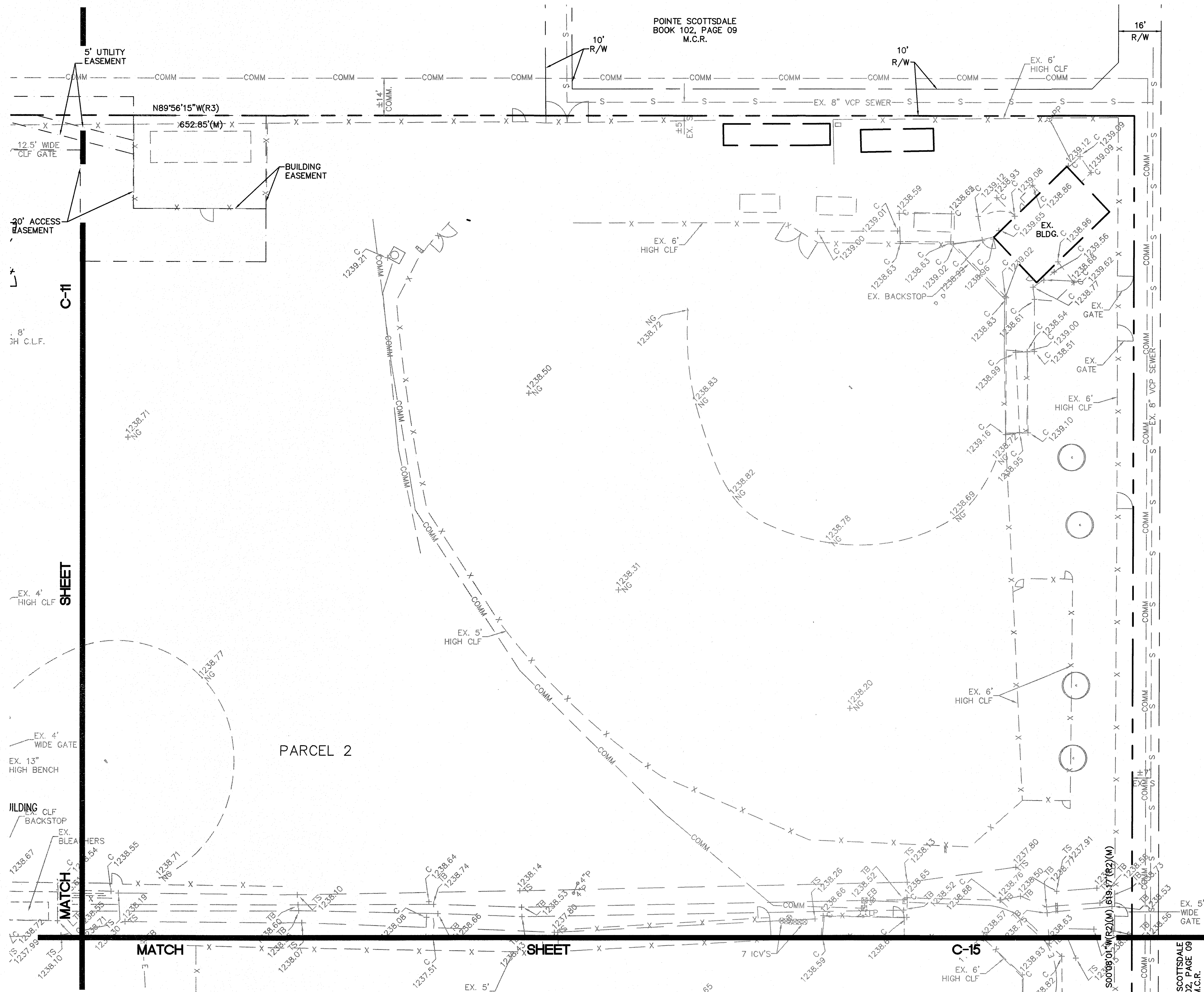
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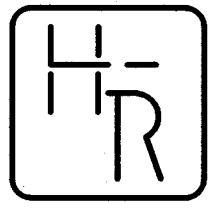
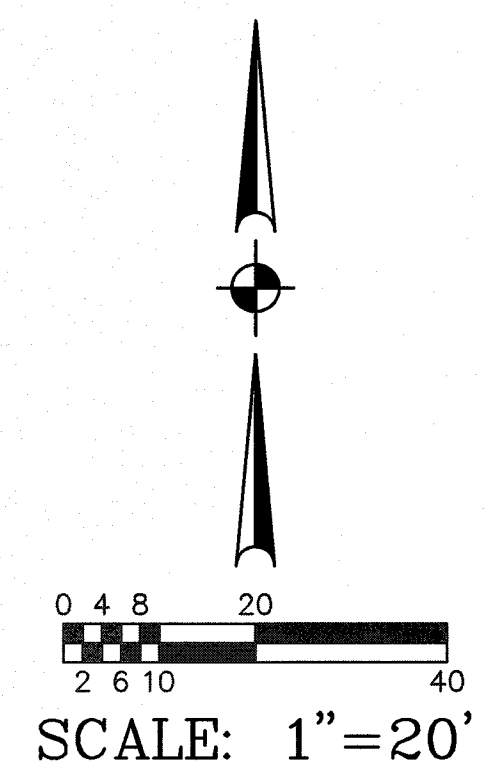


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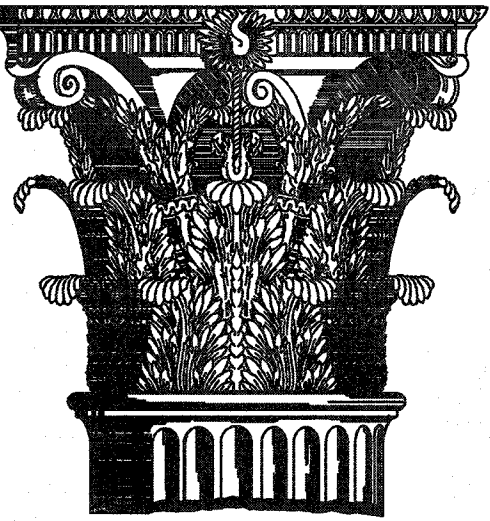
12 OF 26
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THERE IS NO NEW WORK ON THIS SHEET.



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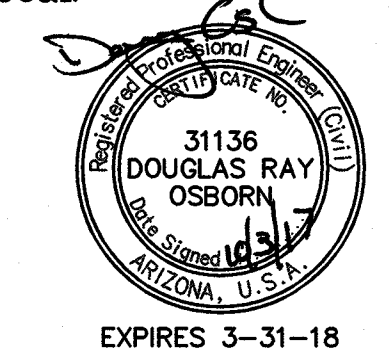
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8330 E Osborn Rd
Scottsdale, AZ

GRADING AND DRAINAGE PLAN

Revisions:

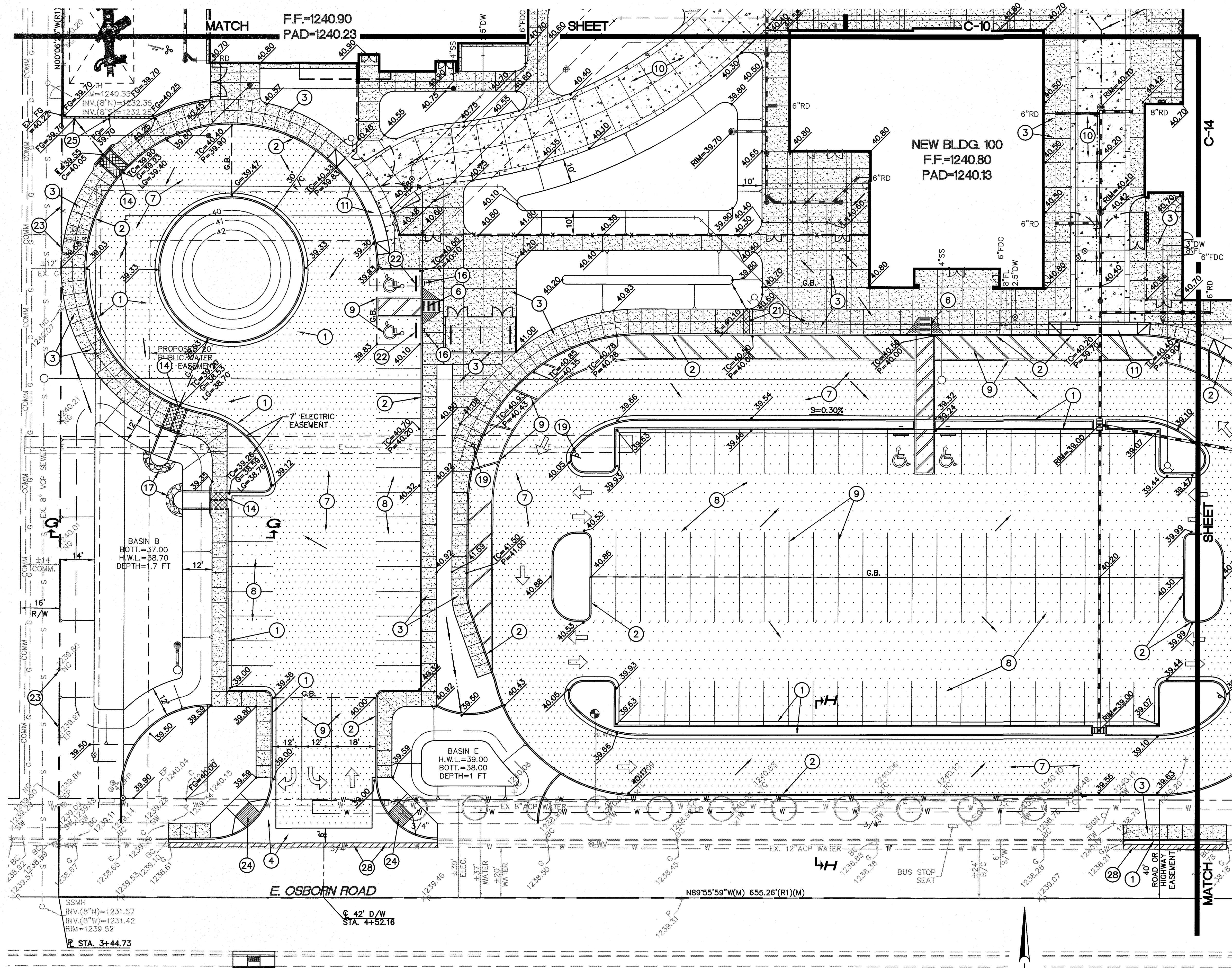
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1705-06

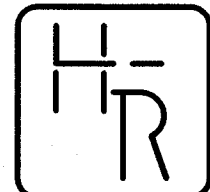
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C-13



GRADING AND DRAINAGE CONSTRUCTION NOTES:

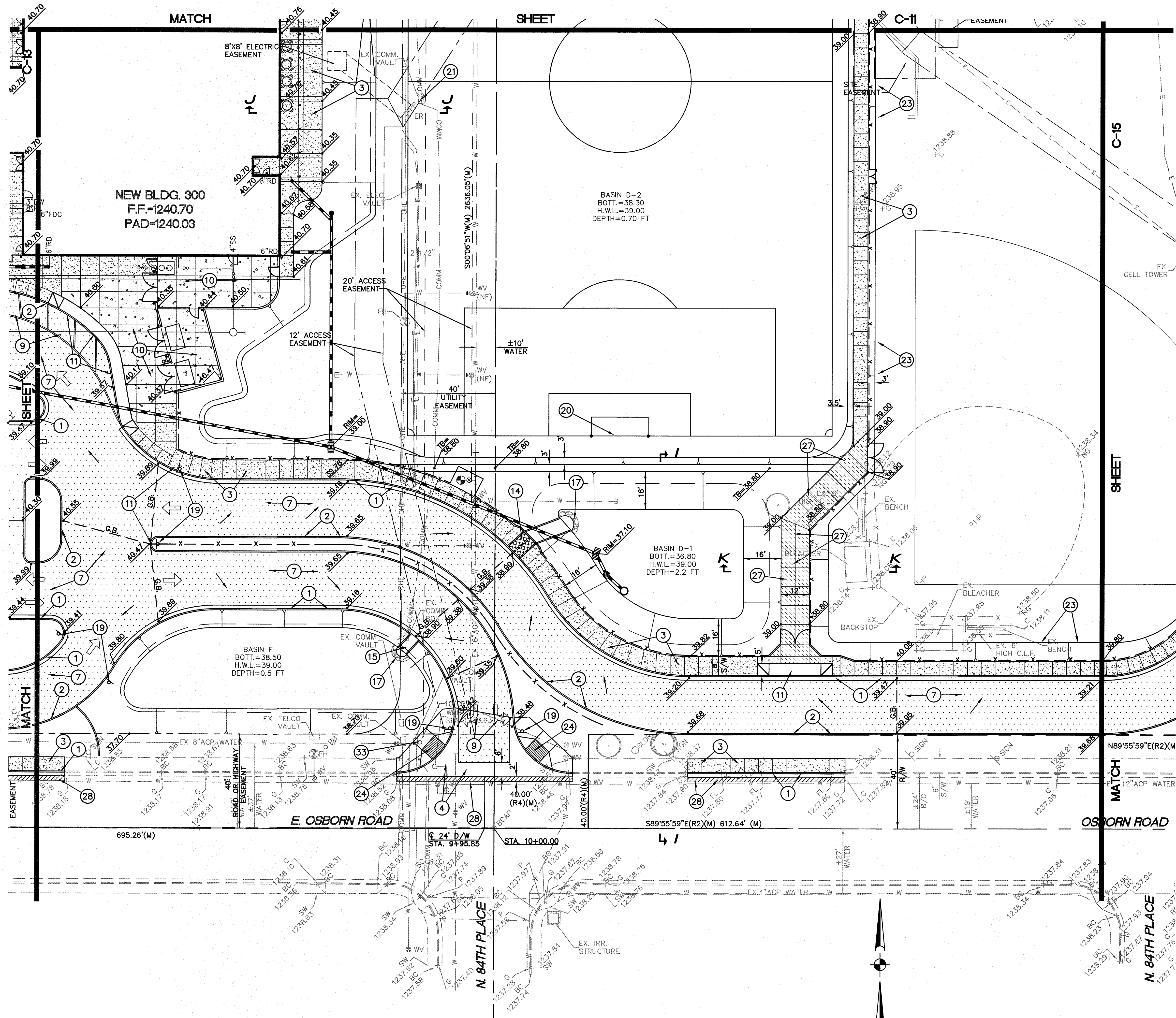
1. INSTALL CONCRETE VERTICAL CURB AND GUTTER (MAG STANDARD DETAIL NO. 220, TYPE A).
2. INSTALL CONCRETE SINGLE CURB (MAG STANDARD DETAIL NO. 222, TYPE A).
3. INSTALL CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230).
4. INSTALL CONCRETE VALLEY GUTTER AND APRON WHERE INDICATED (MAG STANDARD DETAIL NO. 240). WIDTH PER PLAN.
5. INSTALL SIDEWALK RAMP (TYPE I).
6. INSTALL SIDEWALK RAMP (TYPE II).
7. INSTALL A.C. PAVEMENT (3" A.C. (3/4 INCH) OVER 12" A.B.C.) DRIVE AREAS.
8. INSTALL A.C. PAVEMENT (2.5" A.C. (3/4 INCH) OVER 6" A.B.C.) IN PARKING STALLS.
9. PAINT STRIPE PARKING LOTS TO THE ALIGNMENTS INDICATED, INCLUDING ALL DIRECTIONAL ARROWS, HANDICAPPED SYMBOLS, CROSSWALKS, ETC.).
10. INSTALL CONCRETE FIRE LANE (10" THICK 4000 P.S.I. CONCRETE OVER 8" COMPACTED SUBGRADE).
11. INSTALL CONCRETE DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250 MODIFIED TO BE 10" THICK).
12. INSTALL CONCRETE PLAYCOURT (SEE DETAILS ON SHEET C-20).
13. PAINT 4 SQUARE COURT ON SIDEWALK (SEE DETAILS ON SHEET C-20).
14. INSTALL 6.5' WIDE SIDEWALK SCUPPER WITH HANDRAIL (MAG STANDARD DETAIL NO. 206). MODIFY SPILLWAY TO HAVE A LEVEL CONCRETE PAD IN THE BOTTOM OF THE BASIN AS INDICATED ON THE PLANS.
15. INSTALL 4" WIDE CONCRETE SPILLWAY (SEE DETAIL ON SHEET C-2).
16. INSTALL HANDICAP PARKING SIGN PER CITY OF SCOTTSDALE REQUIREMENTS.
17. INSTALL RIP-RAP. 10" DEEP D50-6".
18. INSTALL CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
19. INSTALL "DO NOT ENTER SIGN" (MUTCD R5-1, WITH POST AND BASE PER MAG STD. DTL. 131, TYPE 'C').
20. INSTALL SOCCER GOAL (SPORTS EDGE SE700 WITH REAR WHEEL KIT OR APPROVED EQUAL).
21. EXISTING COMMUNICATION BOX IN PLAYFIELD TO BE RELOCATED OUT OF PLAYFIELD OR LOWERED TO BE 1' BELOW FINISH GRADE. COORDINATE WITH UTILITY COMPANY.
22. INSTALL PRECAST SAFETY CURB (MAG STANDARD DETAIL 150, TYPE B-3).
23. MATCH EXISTING GRADE. (4:1 MAX SLOPE).
24. INSTALL SIDEWALK RAMP (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2234).
25. INSTALL WEEPHOLES IN SEAT WALL AT 10' ON CENTER. WEEPHOLES SHALL BE A MINIMUM OF 4" DIAMETER AND SHALL BE INSTALLED AT SAME ELEVATION AS THE ADJACENT SIDEWALK.
26. INSTALL WEEPHOLE IN WALL AT 4' ON CENTER. WEEPHOLE SHALL BE A MINIMUM OF 6" DIAMETER AND SHALL BE INSTALLED AT A FLOWLINE ELEVATION OF 39.80.
27. INSTALL 6" THICK CONCRETE SIDEWALK (MAG STANDARD DETAIL NO. 230 MODIFIED TO BE 6" THICK).
28. SAWCUT, REMOVE, AND REPLACE 2' MINIMUM OF EXISTING A.C. PAVEMENT IN KIND.
29. CONNECT TO EXISTING 12" FLOOD IRRIGATION PIPE WITH CONCRETE COLLAR (MAG STANDARD DETAIL NO. 505).
30. INSTALL 12" PLASTIC IRRIGATION PIPE (DR 41) WITH 2' MINIMUM COVER.
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33. EXISTING COMMUNICATION BOX AND PEDESTAL TO BE RELOCATED. COORDINATE WITH UTILITY COMPANY.
34. REMOVE EXISTING CURB, GUTTER, SIDEWALK AND INSTALL MID-BLOCK SIDEWALK RAMP - TYPE B (SCOTTSDALE STANDARD DETAIL NO. 2235-2).

0 4 8 20
2 6 10 40
SCALE: 1"=20'



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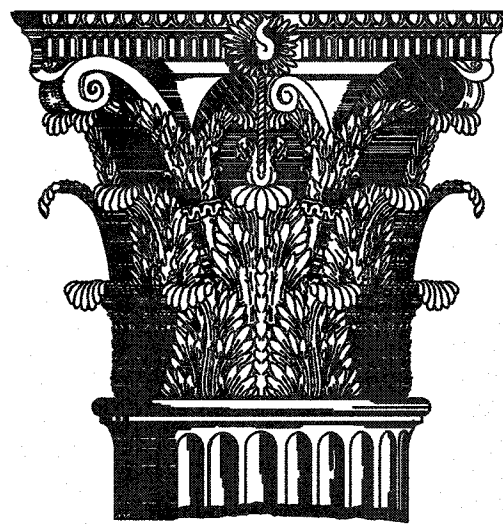
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5. INSTALL SIDEWALK RAMP (TYPE I).
6. INSTALL SIDEWALK RAMP (TYPE II).
7. INSTALL A.C. PAVEMENT (3\"/>

Hunt & Caraway
Architects



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Phoenix, Arizona 85020
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www.huntcaraway.com

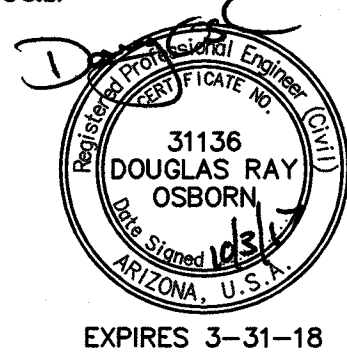
Pima Elementary School
Scottsdale Unified School
District
8330 E Osborn Rd
Scottsdale, AZ

GRADING AND DRAINAGE PLAN

Revisions:

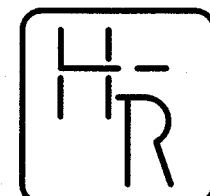
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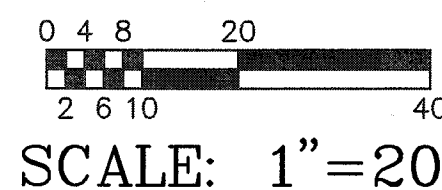


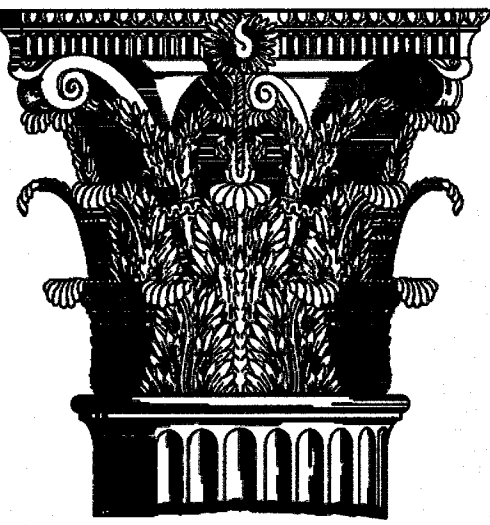
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C-14



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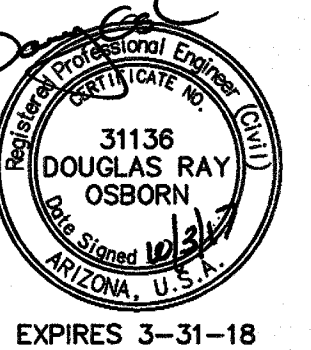
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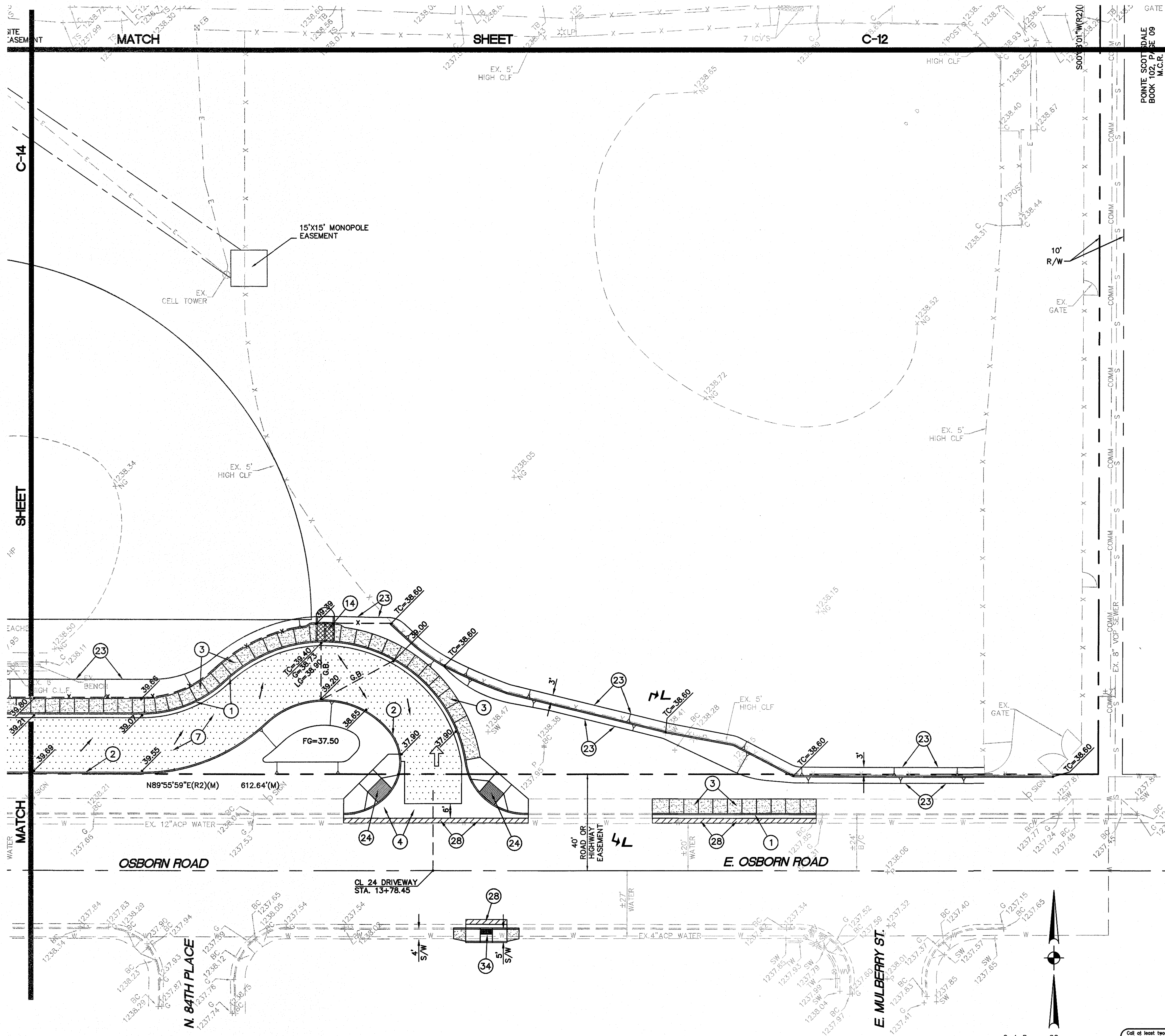


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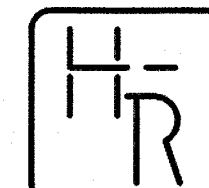
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**GRADING AND DRAINAGE
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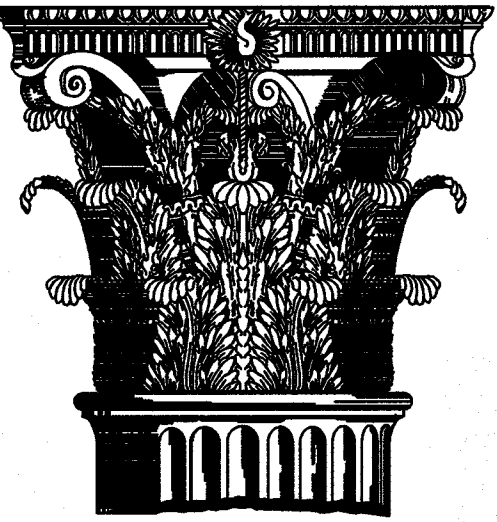
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0 4 8 20
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SCALE: 1"=20'



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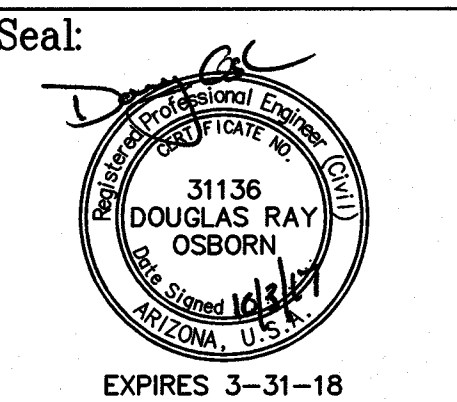
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STORM DRAIN
PLAN

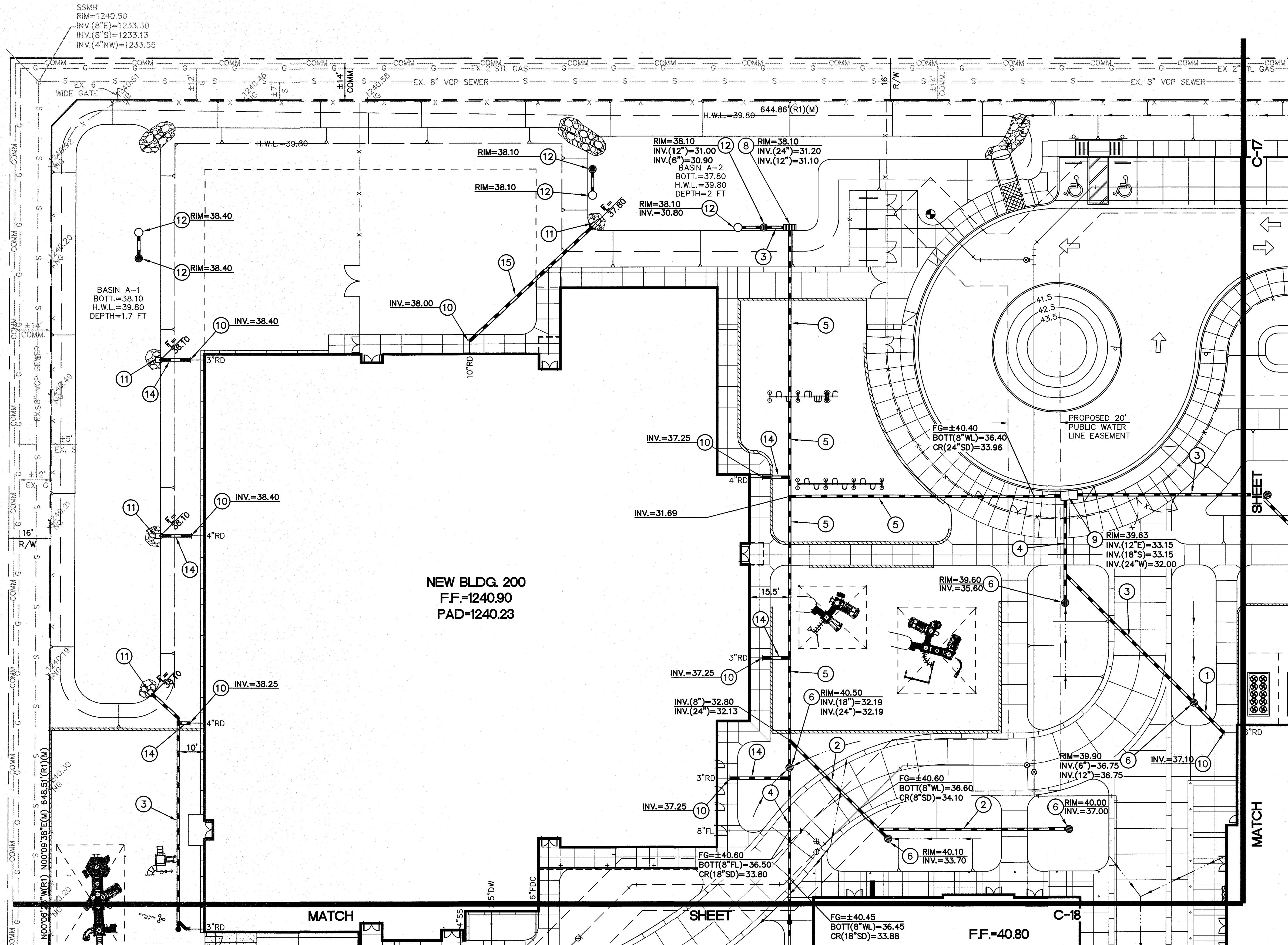
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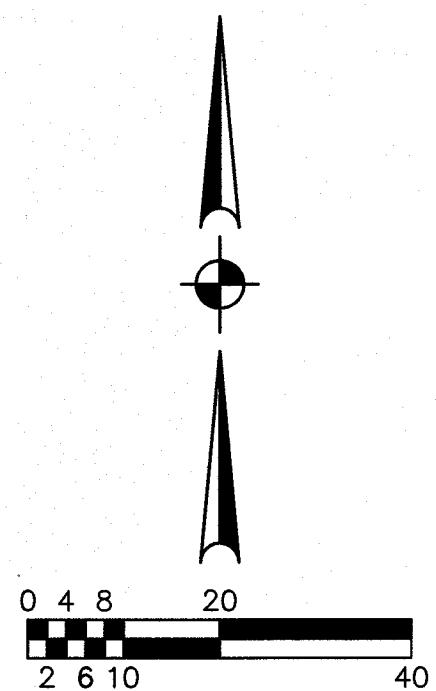
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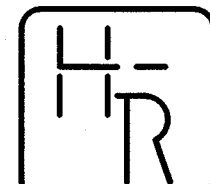


STORM DRAIN CONSTRUCTION NOTES:

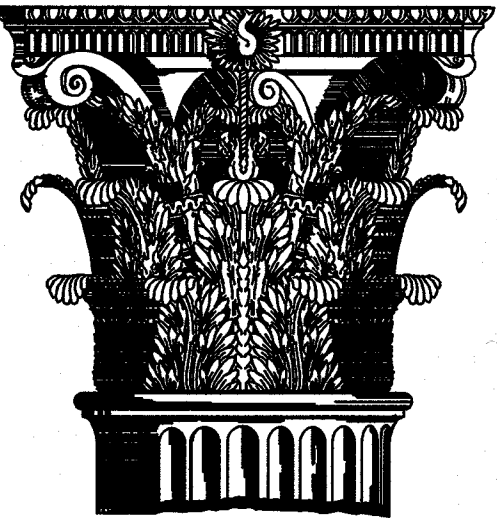
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2. INSTALL 8" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
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5. INSTALL 24" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
6. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).
7. INSTALL STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-2).
8. CONSTRUCT CATCH BASIN (MAG STANDARD DETAIL NO. 537, DOUBLE).
9. CONSTRUCT CATCH BASIN TYPE 'D' (MAG STANDARD DETAIL NO. 533-1, L=3 FEET).
10. CONNECT TO ROOF DRAIN WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR CONTINUATION.
11. CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
12. CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2).
13. POTHOLE AND FIELD VERIFY LOCATION OF EXISTING WATER LINE PRIOR TO THE START OF CONSTRUCTION. TOP OF NEW STORM DRAIN LINE SHALL BE A MINIMUM 2' BELOW THE BOTTOM OF THE EXISTING WATER LINE.
14. INSTALL 4" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
15. INSTALL 10" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
16. CONSTRUCT 'U' TYPE DOUBLE PIPE HEADWALL (MAG STANDARD DETAIL NO. 501-1 AND 501-2, MODIFIED SO INVERT OF PIPES MATCH THE BOTTOM ELEVATION OF THE BASINS).



SCALE: 1"=20'



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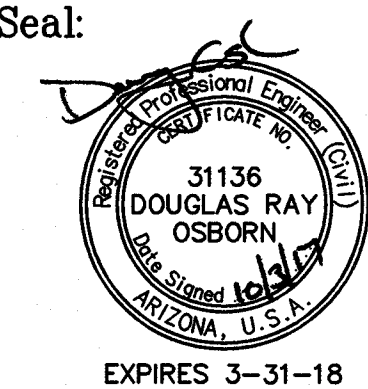
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STORM DRAIN
PLAN

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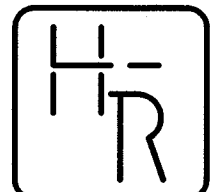
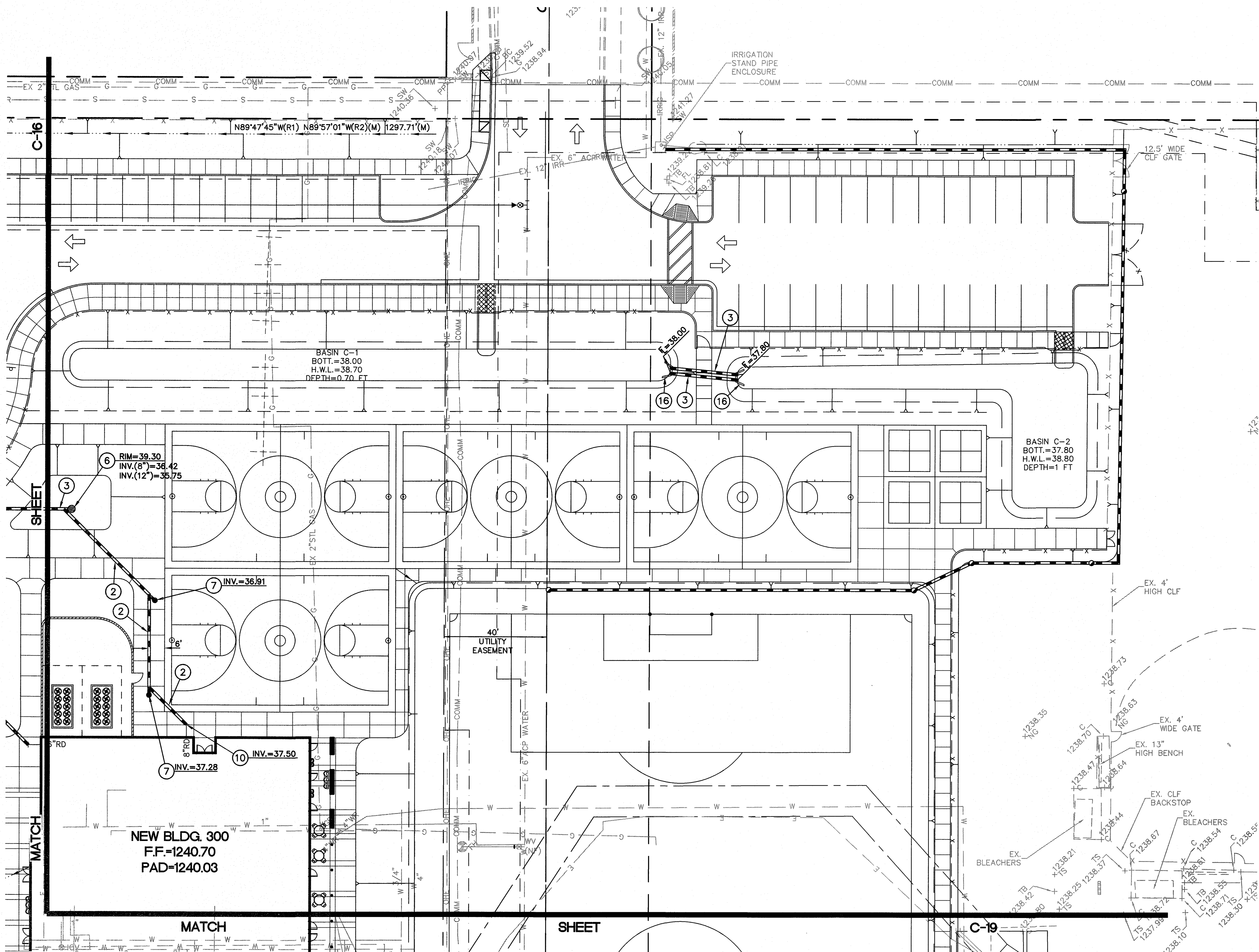
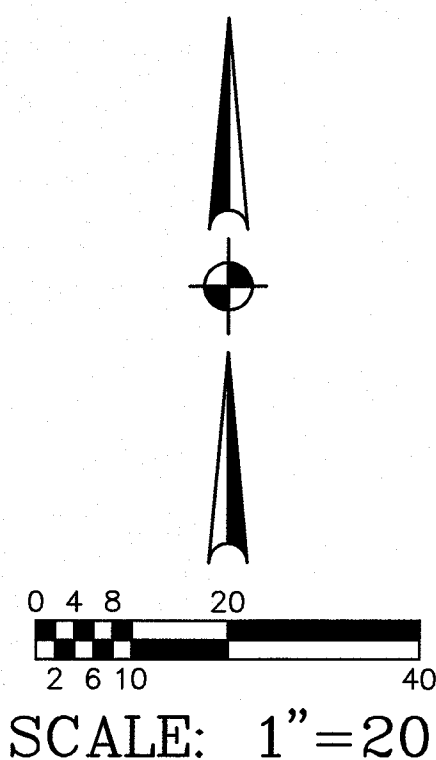


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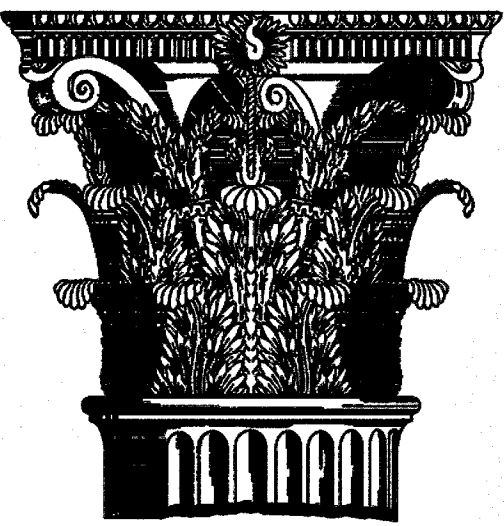
17 OF 26
C-17

STORM DRAIN CONSTRUCTION NOTES:

1. INSTALL 6" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
2. INSTALL 8" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
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12. CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2).
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14. INSTALL 4" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
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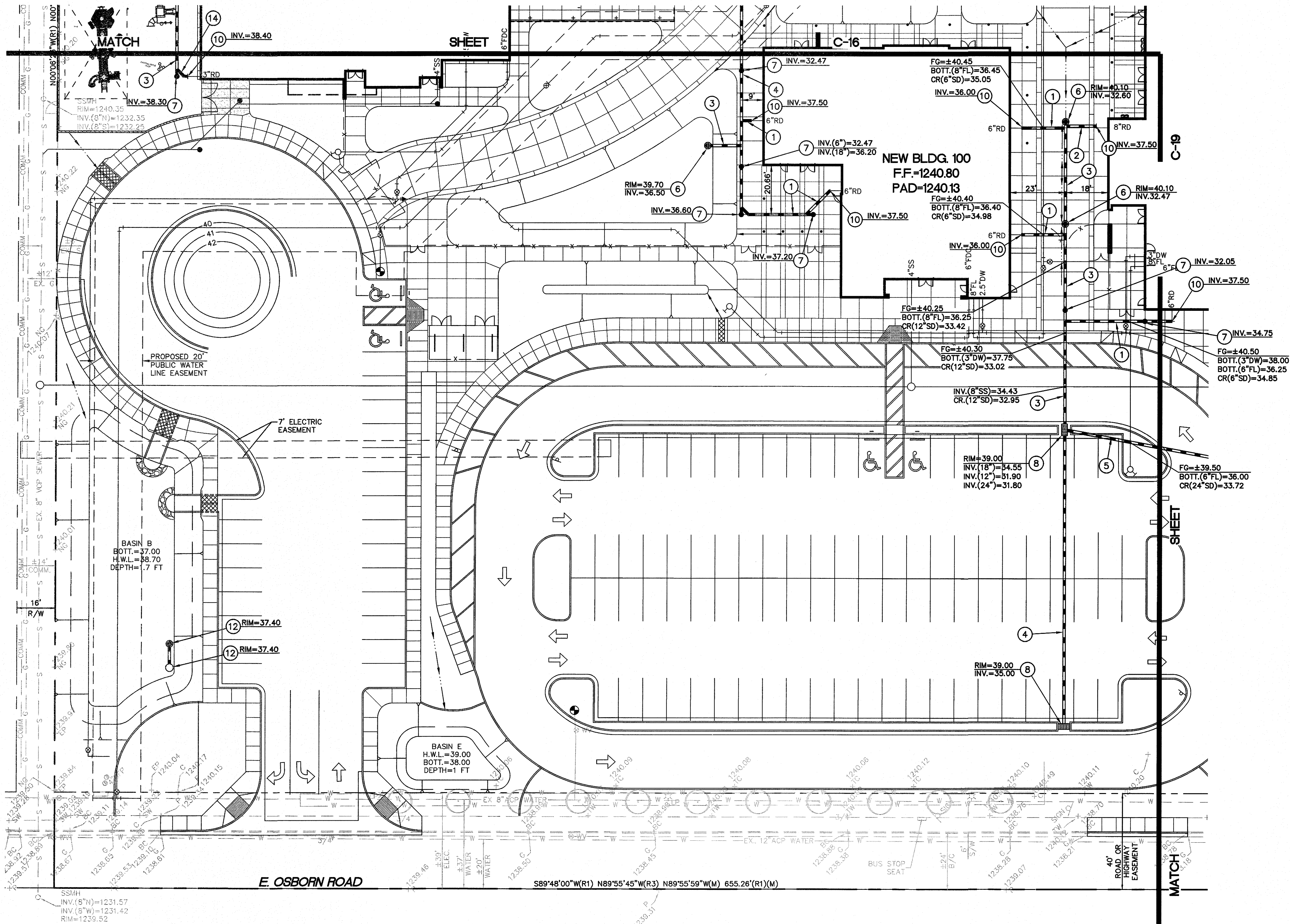
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18 OF 26
C-18



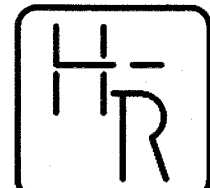
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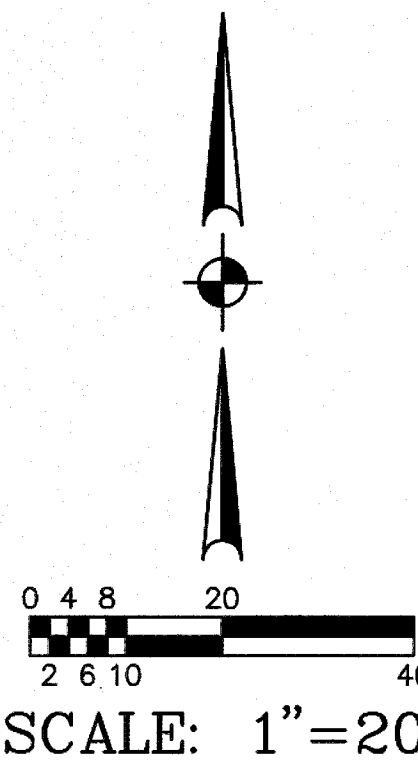
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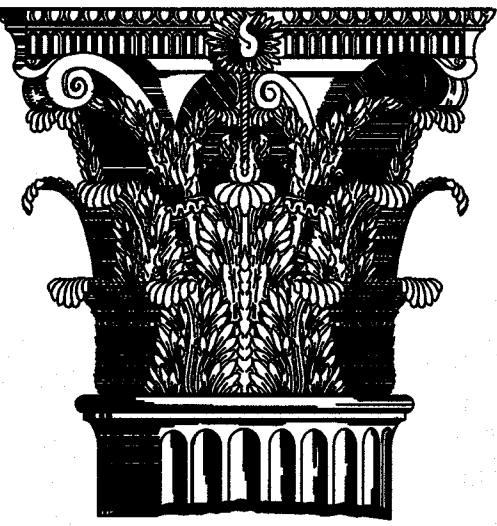
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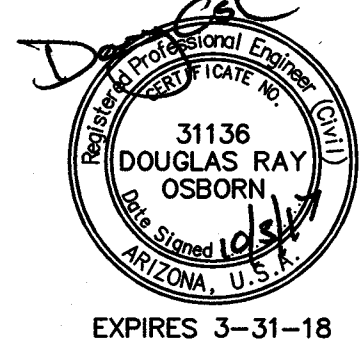
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Scottsdale Unified School
District
8330 E Osborn Rd
Scottsdale, AZ

STORM DRAIN
PLAN

Revisions:

Drawn by: ANM
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Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

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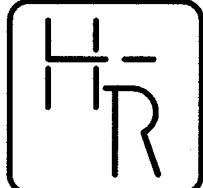
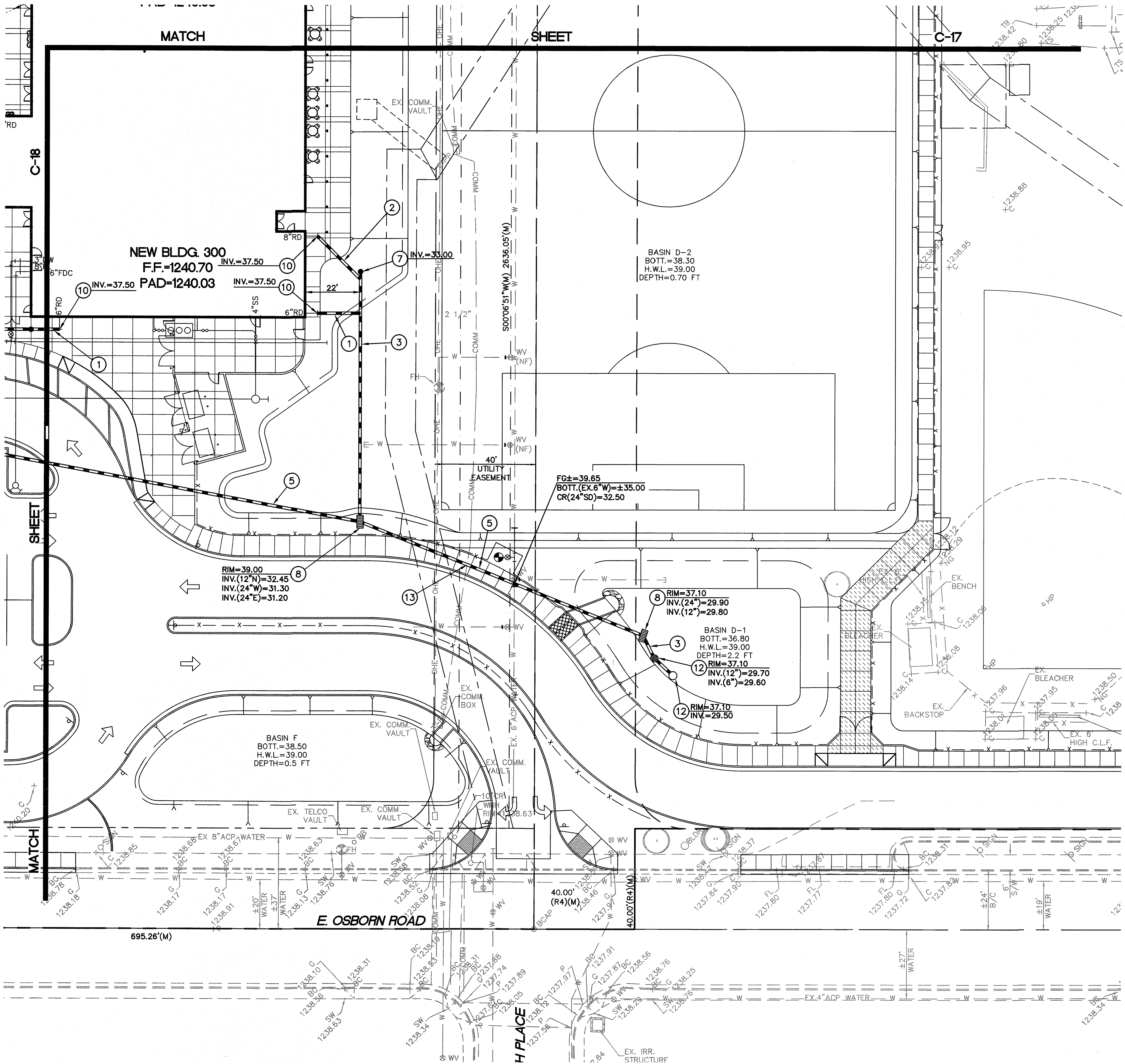
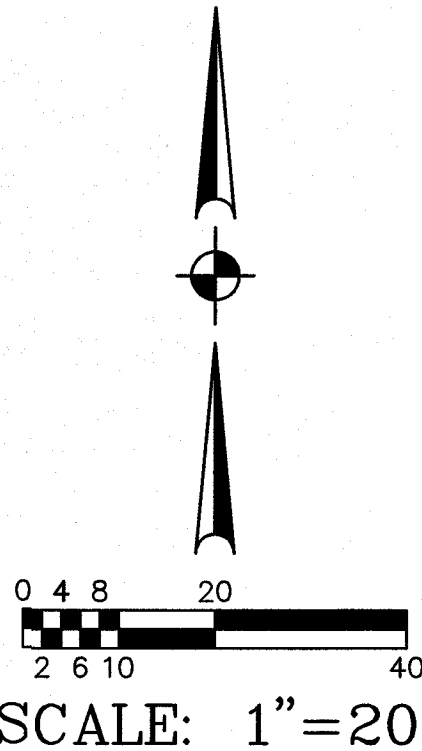


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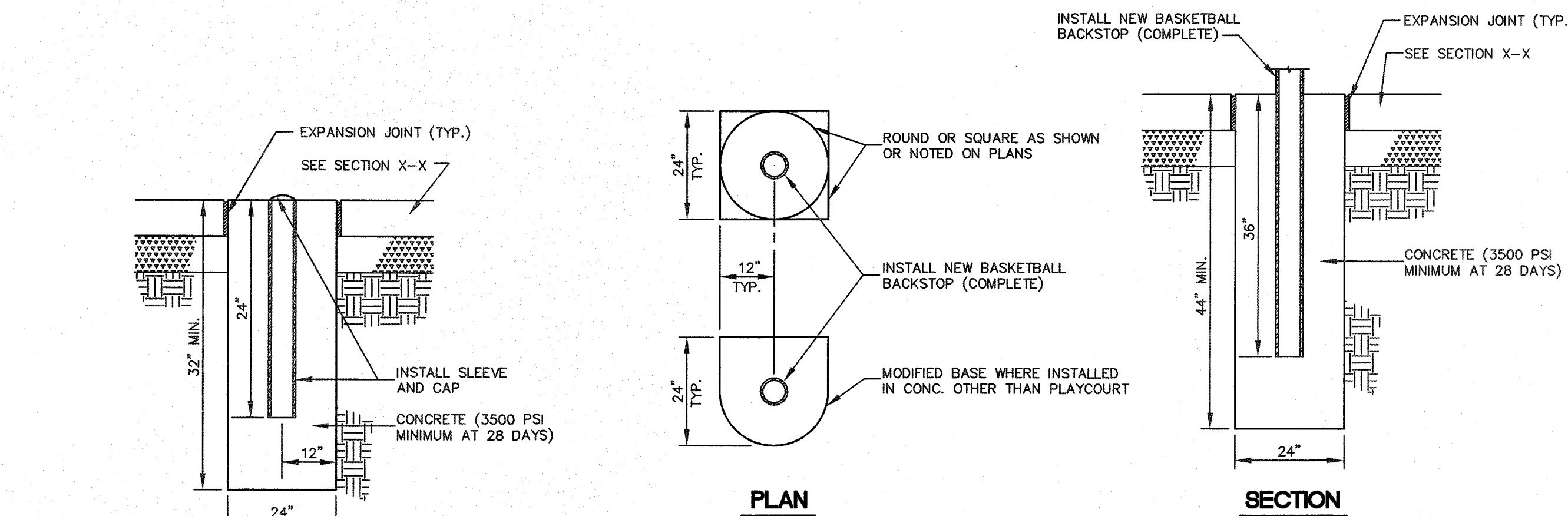
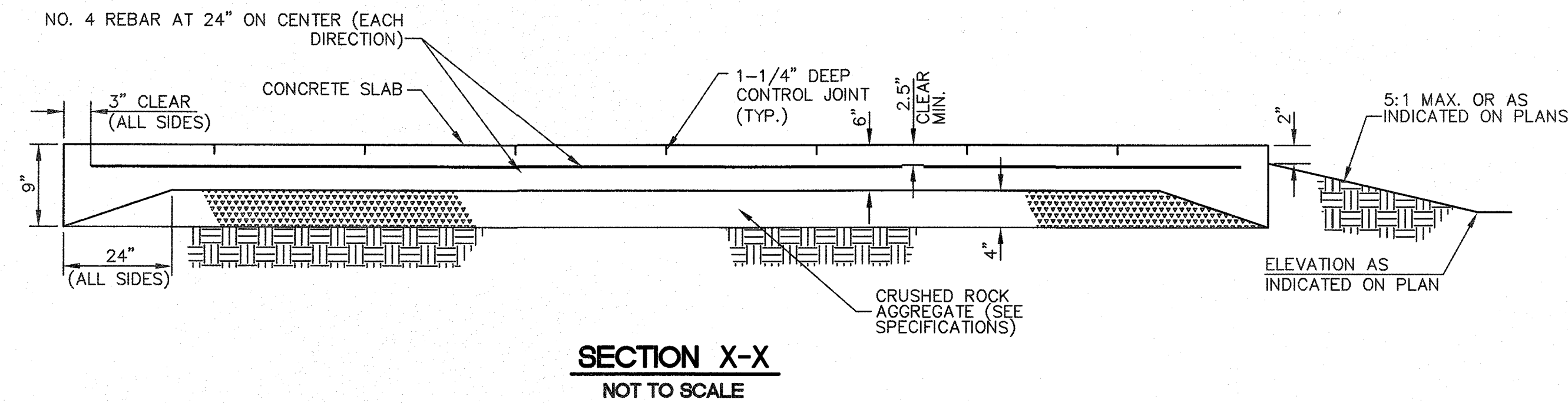
STORM DRAIN CONSTRUCTION NOTES:

1. INSTALL 6" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
2. INSTALL 8" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
3. INSTALL 12" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
4. INSTALL 18" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
5. INSTALL 24" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
6. INSTALL AREA DRAIN (SEE DETAIL ON SHEET C-2).
7. INSTALL STORM DRAIN CLEANOUT (SEE DETAIL ON SHEET C-2).
8. CONSTRUCT CATCH BASIN (MAG STANDARD DETAIL NO. 537, DOUBLE).
9. CONSTRUCT CATCH BASIN TYPE 'D' (MAG STANDARD DETAIL NO. 533-1, L=3 FEET).
10. CONNECT TO ROOF DRAIN WITH NECESSARY AND APPROPRIATE FITTINGS. SEE PLUMBING DRAWINGS FOR CONTINUATION.
11. CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-2).
12. CONSTRUCT DUAL CHAMBER DRYWELL (SEE DETAIL ON SHEET C-2).
13. POTHOLE AND FIELD VERIFY LOCATION OF EXISTING WATER LINE PRIOR TO THE START OF CONSTRUCTION. TOP OF NEW STORM DRAIN LINE SHALL BE A MINIMUM 2' BELOW THE BOTTOM OF THE EXISTING WATER LINE.
14. INSTALL 4" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
15. INSTALL 10" H.D.P.E. DRAINAGE PIPE WITH SMOOTH INTERIOR AND 10.8 P.S.I. JOINTS.
16. CONSTRUCT 'U' TYPE DOUBLE PIPE HEADWALL (MAG STANDARD DETAIL NO. 501-1 AND 501-2, MODIFIED SO INVERT OF PIPES MATCH THE BOTTOM ELEVATION OF THE BASINS).



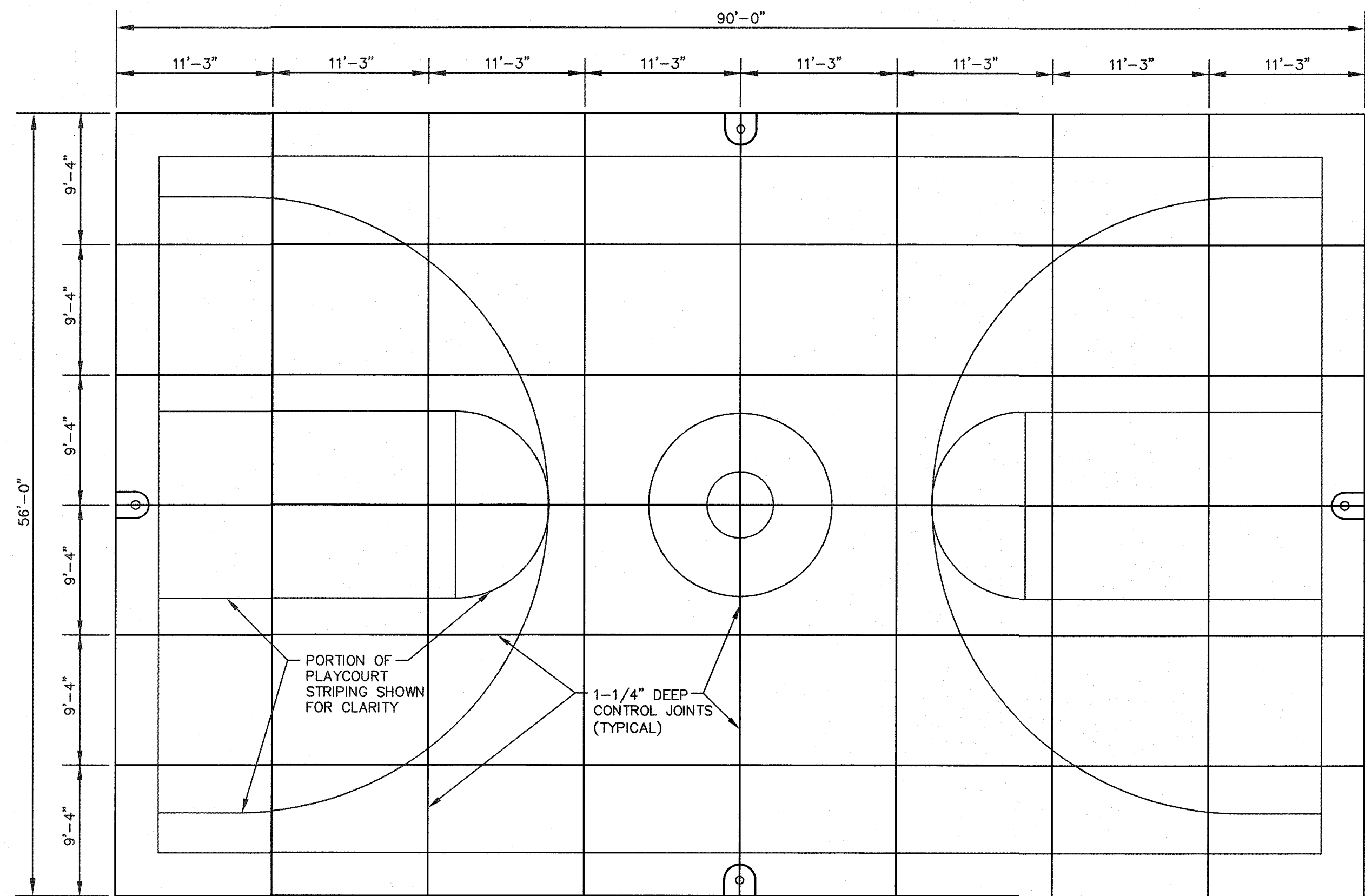
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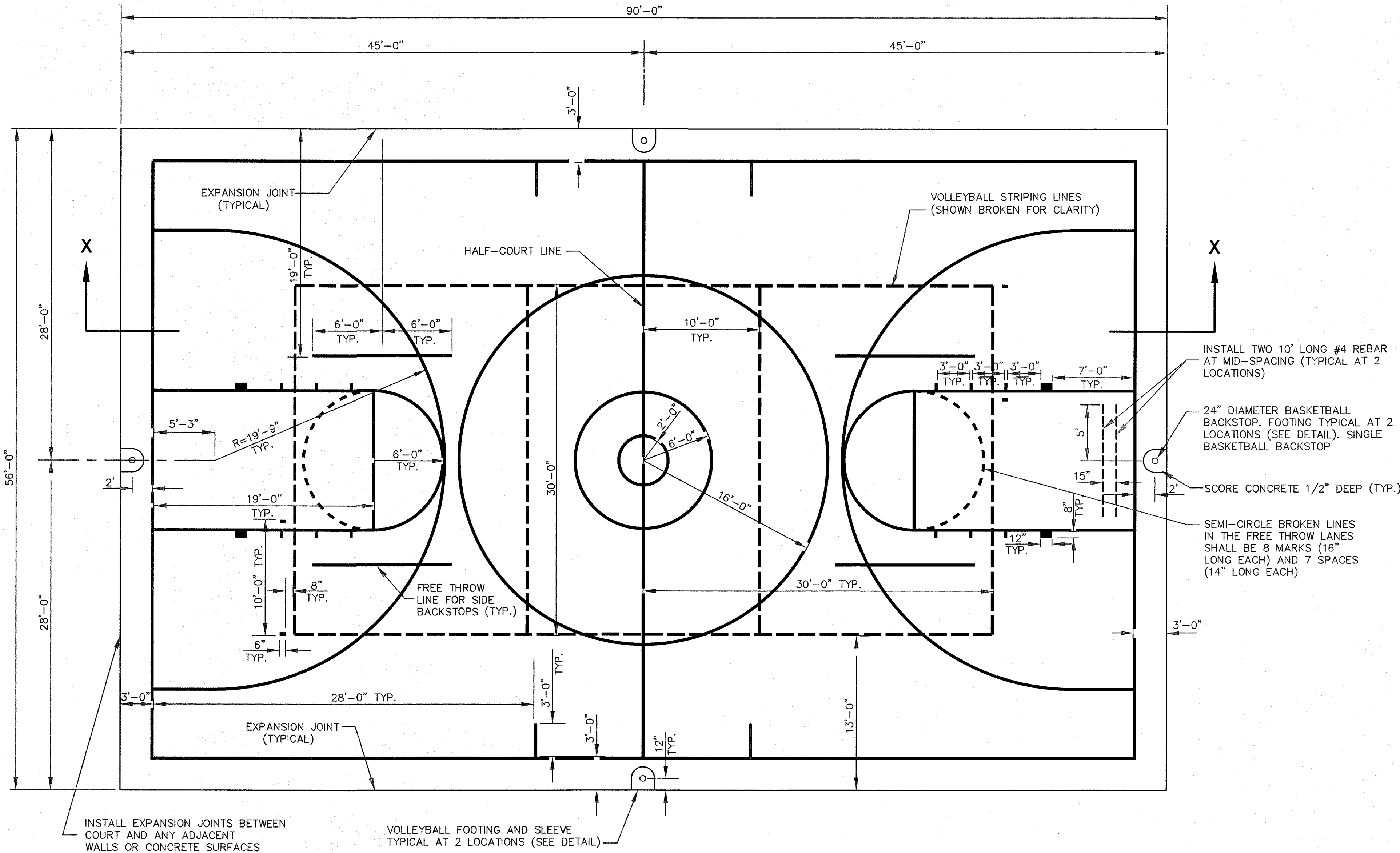


VOLLEYBALL FOOTING AND SLEEVE
NOT TO SCALE

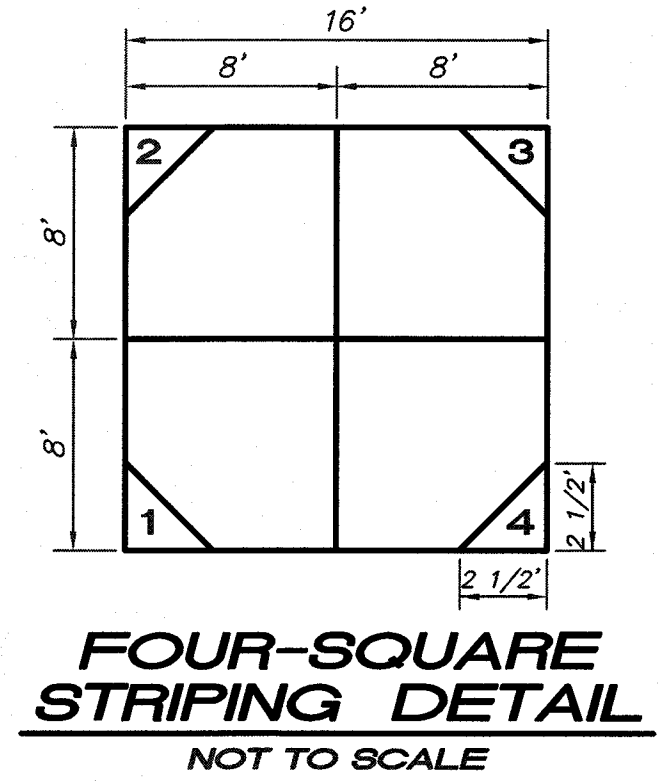
BASKETBALL BACKSTOP FOOTING
NOT TO SCALE



CONTROL JOINT LAYOUT PLAN
NOT TO SCALE



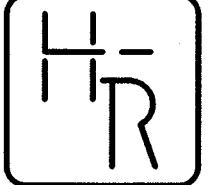
PLAYCOURT SLAB PLAN AND STRIPING LAYOUT
NOT TO SCALE



PLAYCOURT NOTES:

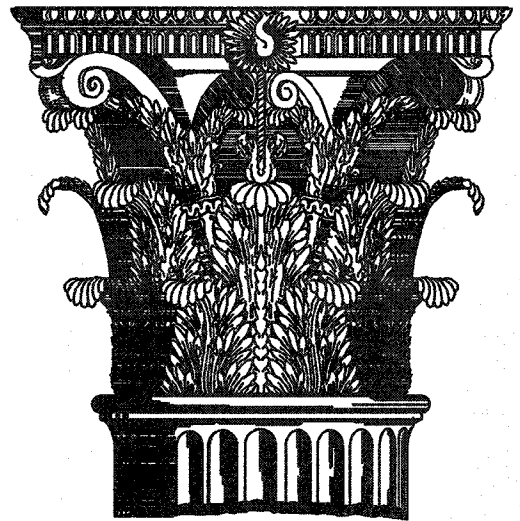
1. ALL POSTS, SLEEVES AND FOOTINGS FOR SAME ARE TO BE INSTALLED ONLY AFTER CONCRETE COURTS HAVE CURED A MINIMUM OF TWO (2) WEEKS.
2. ALL PAINTED LINES SHALL BE TWO (2) INCHES IN WIDTH UNLESS OTHERWISE NOTED.
3. ALL BASKETBALL COURT LINES SHALL BE WHITE IN COLOR.
4. ALL VOLLEYBALL COURT LINES SHALL BE YELLOW IN COLOR.
5. ALL STRIPES FOR LARGE CIRCLE (16' RADIUS) SHALL BE RED IN COLOR.
6. VOLLEYBALL NET IS NON-STANDARD SIZE AND WILL NEED TO BE MODIFIED TO MATCH DIMENSIONS INDICATED OR SPECIFIED.
7. SUBGRADE BELOW ALL FOOTINGS (BASKETBALL AND VOLLEYBALL) SHALL BE COMPACTED TO 95% OF MAXIMUM ASTM D698 DENSITY.
8. SINGLE BASKETBALL BACKSTOPS AT END OF EACH COURT SHALL BE PATTERSON-WILLIAMS SINGLE POST HEAVY DUTY BASKETBALL BACKSTOP (MODEL NO. 1525, 6' OFFSET) WITH HEAVY DUTY CAST ALUMINUM FAN (MODEL NO. 22) AND DOUBLE RING GOAL WITH NYLON NET (MODEL NO. 39) OR APPROVED EQUAL. SINGLE BASKETBALL BACKSTOPS ON EXTERIOR SIDES SHALL BE PATTERSON-WILLIAMS SINGLE POST HEAVY DUTY BASKETBALL BACKSTOP (MODEL NO. 1523, 4' OFFSET) WITH HEAVY DUTY CAST ALUMINUM FAN (MODEL NO. 22) AND DOUBLE RING GOAL WITH NYLON NET (MODEL NO. 39) OR APPROVED EQUAL.
9. VOLLEYBALL POSTS SHALL BE PATTERSON-WILLIAMS MODEL NO. 2216-21, WITH NET TIGHTENER, SIDE PULLEY AND ROPE CLAMP, OR APPROVED EQUAL. SLEEVES AND COVER PLATES SHALL BE PATTERSON-WILLIAMS MODEL NO. 8303-30, OR APPROVED EQUAL. POSTS ARE 3-1/2" O.D. HEAVY WALL STEEL TUBING. NET SHALL BE NONSTANDARD LENGTH, THE CABLE AND BOTTOM ROPE SHALL BE MODIFIED TO SPAN 58' BETWEEN POSTS.

NOTE:
CRACKS IN CONCRETE COURTS SHALL OCCUR ONLY AT CONTROL JOINT LOCATIONS. IF CRACKS IN CONCRETE COURTS OCCUR AT OTHER AREAS, PANELS OF CONCRETE SHALL BE REMOVED, REPLACED AND DOWELLED INTO ADJACENT CONCRETE COURT PANELS AT THE CONTRACTOR'S EXPENSE.



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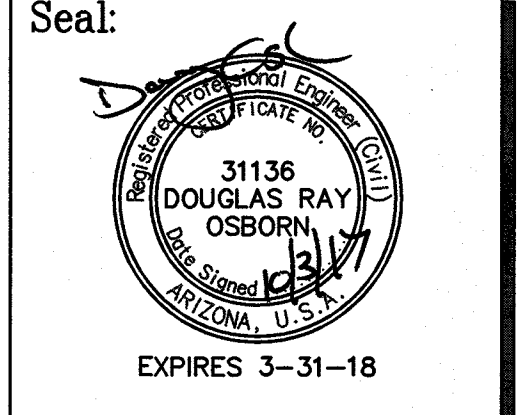
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PLAYCOURT DETAIL
SHEET

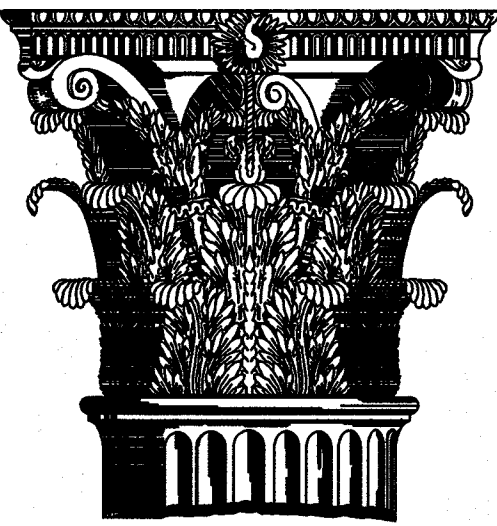
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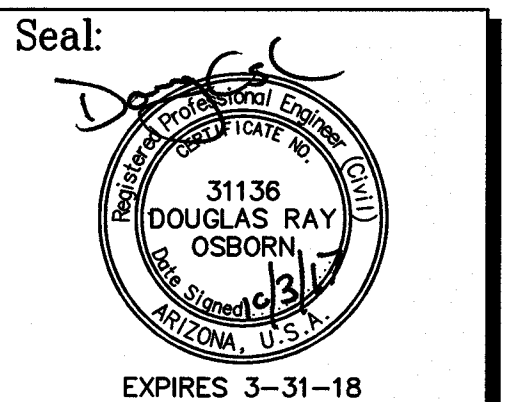
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PRIVATE DOMESTIC
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**PRIVATE DOMESTIC WATER LINE
CONSTRUCTION NOTES:**

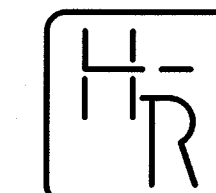
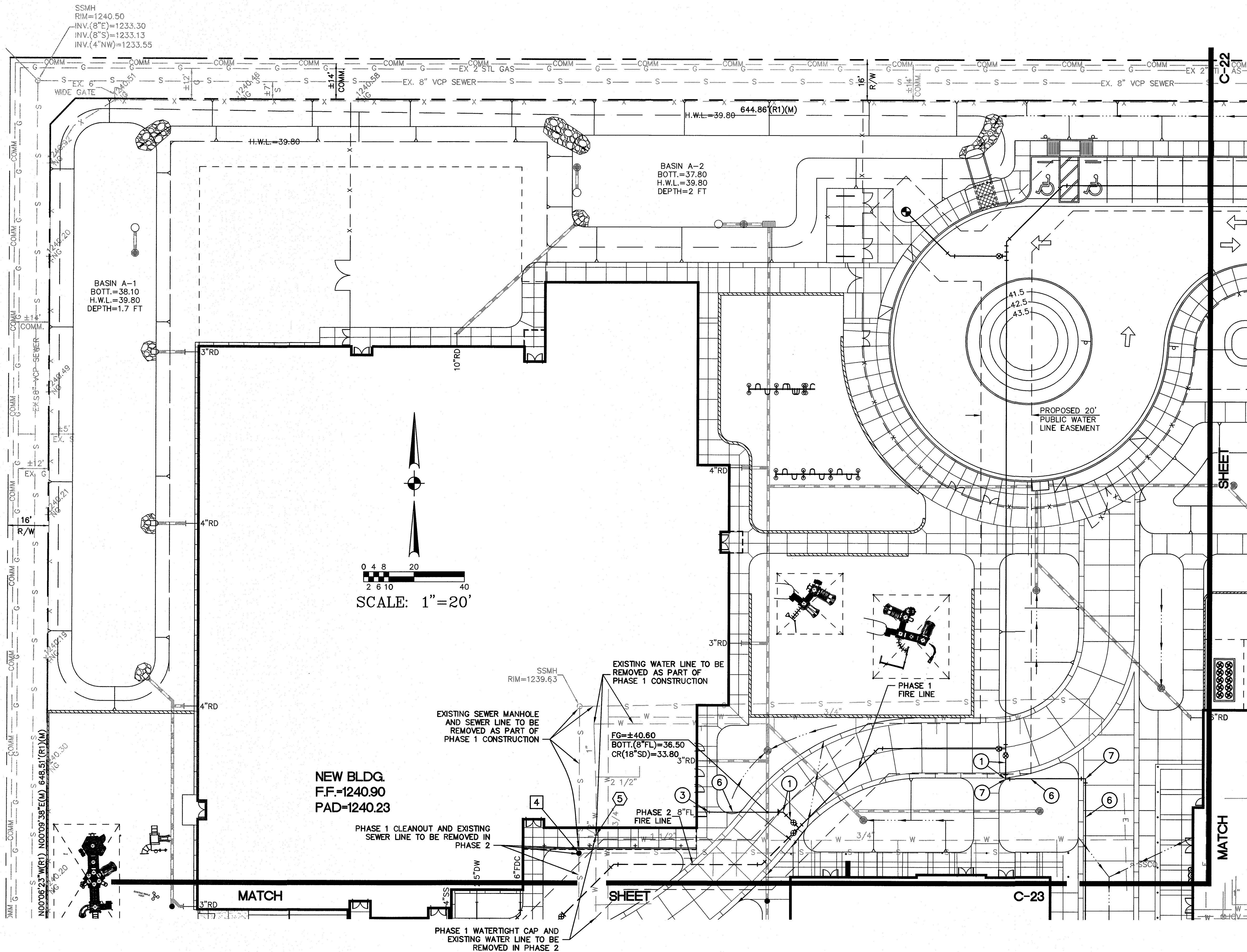
- CONNECT TO EXISTING 4" WATER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE PRIOR TO THE START OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.
- INSTALL 4" P.V.C. (RING TITE, CLASS 200) WATER LINE.
- INSTALL 2-1/2" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
- INSTALL 3" X 2-1/2" X 3" TEE.
- INSTALL WATERTIGHT CAP AND THRUST BLOCK.
- CONNECT TO BUILDING DOMESTIC WATER LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- INSTALL 3" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
- INSTALL 4" X 2-1/2" X 4" TEE.
- INSTALL 4" TO 3" REDUCER.
- INSTALL 3" P.V.C. (SCHEDULE 40 WITH SOLVENT WELD JOINTS) WATER LINE, INCLUDING ALL SCHEDULE 40 BENDS AND FITTINGS AND CONCRETE THRUST BLOCKS.
- INSTALL 2-1/2" P.V.C. (SCHEDULE 40 WITH SOLVENT WELD JOINTS) WATER LINE, INCLUDING ALL SCHEDULE 40 BENDS AND FITTINGS AND CONCRETE THRUST BLOCKS.
- INSTALL 4"-90° BEND.
- INSTALL 4" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
- INSTALL 3" X 3" X 3" TEE.

PRIVATE FIRE LINE CONSTRUCTION NOTES:

- SEE PUBLIC WATER LINE PLANS FOR CONTINUATION.
- INSTALL 6" - 45° BEND.
- CONNECT TO BUILDING FIRE PROTECTION SYSTEM WITH NECESSARY AND APPROPRIATE FITTINGS. SEE FIRE PROTECTION AND PLUMBING DRAWINGS FOR EXACT LOCATION AND CONTINUATION.
- INSTALL 6" - 90° BEND.
- INSTALL 8" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
- INSTALL 8" P.V.C. WATER LINE (AWWA C-900, CLASS 200).
- INSTALL 8" 90° BEND.
- INSTALL 8" X 8" X 8" TEE.
- INSTALL REMOTE FIRE DEPARTMENT CONNECTION (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2367).
- DOUBLE CHECK BACKFLOW PREVENTION IN RISER, PER CITY OF SCOTTSDALE STANDARD DETAIL NO. 2368. SEE FIRE PROTECTION DRAWINGS.

**PRIVATE SANITARY SEWER LINE
CONSTRUCTION NOTES:**

- INSTALL WATERTIGHT CAP.
- CONNECT TO BUILDING SEWER LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- INSTALL 8" P.V.C. SEWER PIPE (ASTM D-3034, SDR-35).
- INSTALL SEWER CLEANOUT (MAG STANDARD DETAIL NO. 441).
- INSTALL 4" DIAMETER SEWER MANHOLE (MAG STANDARD DETAIL NO.'S 420-1 AND 420-2). INSTALL MANHOLE COVER (MAG STANDARD DETAIL NO.'S 424-1 AND 424-2 AND CITY OF SCOTTSDALE STANDARD DETAIL NO. 2421).
- INSTALL 4" P.V.C. SEWER PIPE (ASTM D-3034, SDR-35).
- CONNECT TO EXISTING 6" SEWER LINE (MAG STANDARD DETAIL NO. 440-3). FIELD VERIFY LOCATION AND ELEVATION OF EXISTING SEWER LINE PRIOR TO THE START OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.



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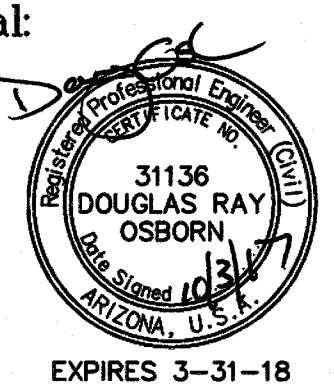
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PRIVATE DOMESTIC
WATER, PRIVATE
SANITARY SEWER &
PRIVATE FIRE LINE
PLAN

Revisions:

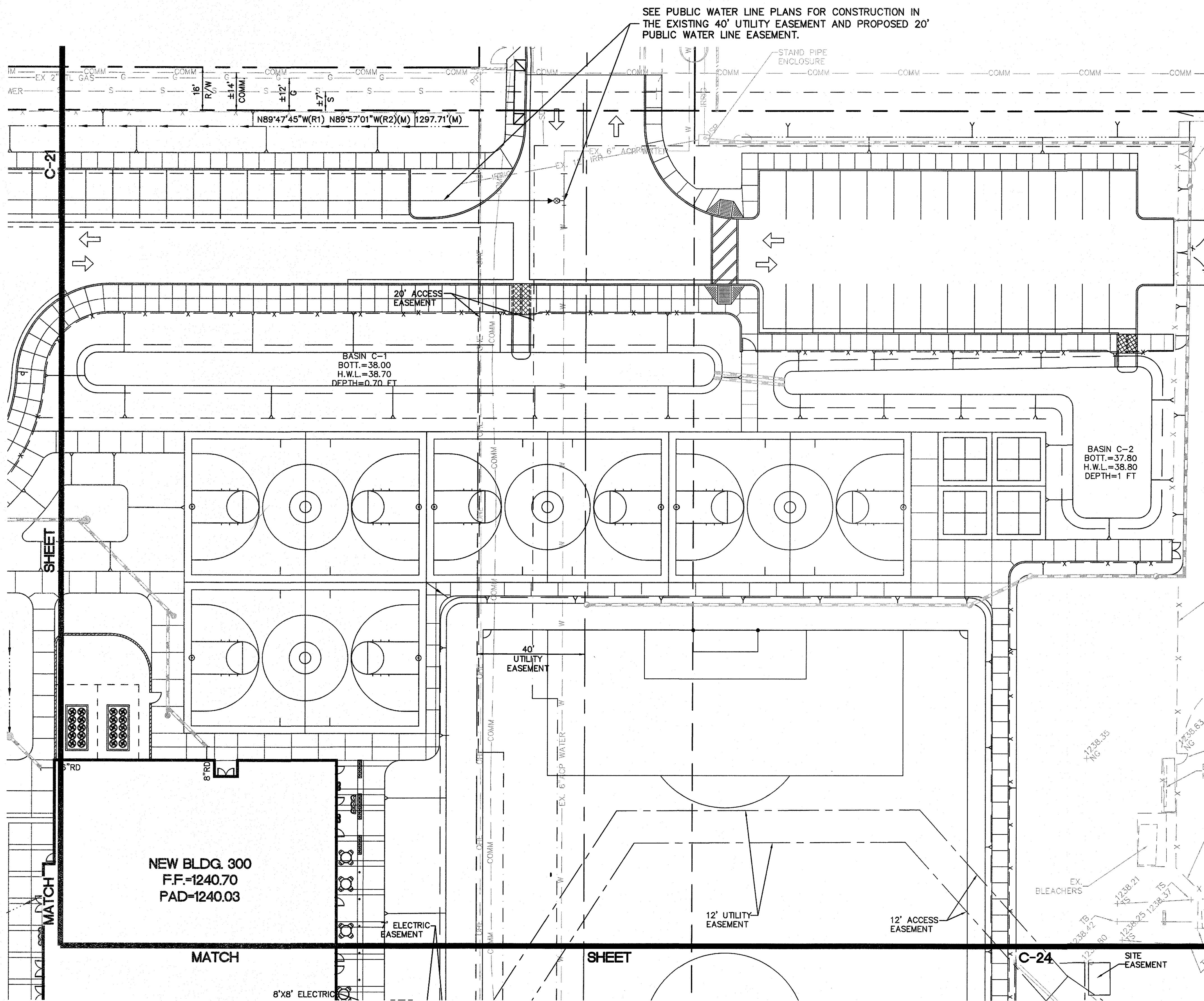
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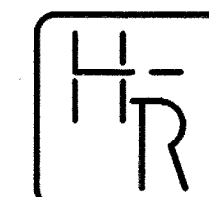
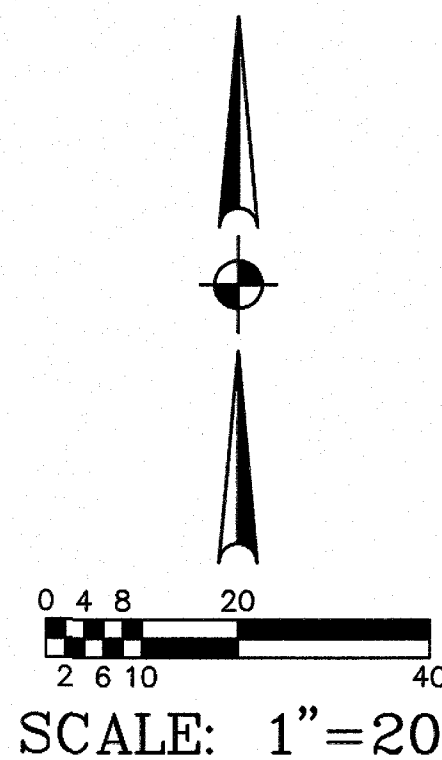


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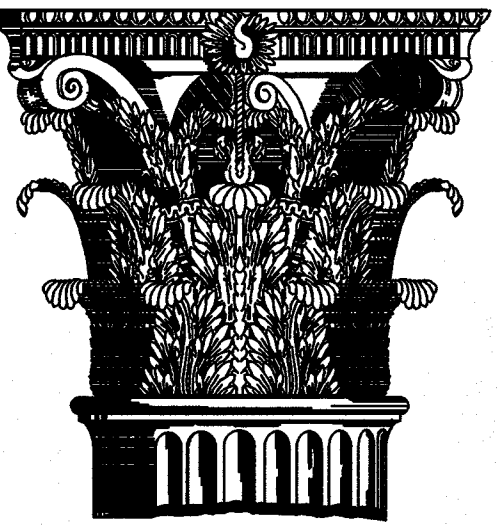
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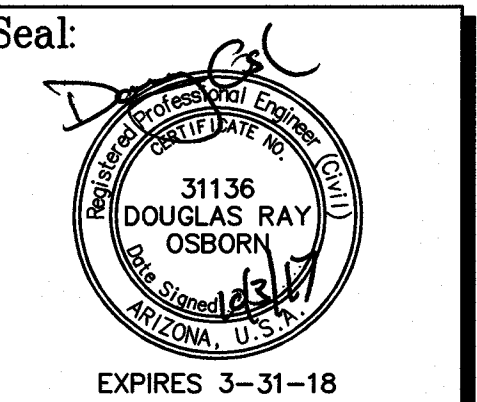
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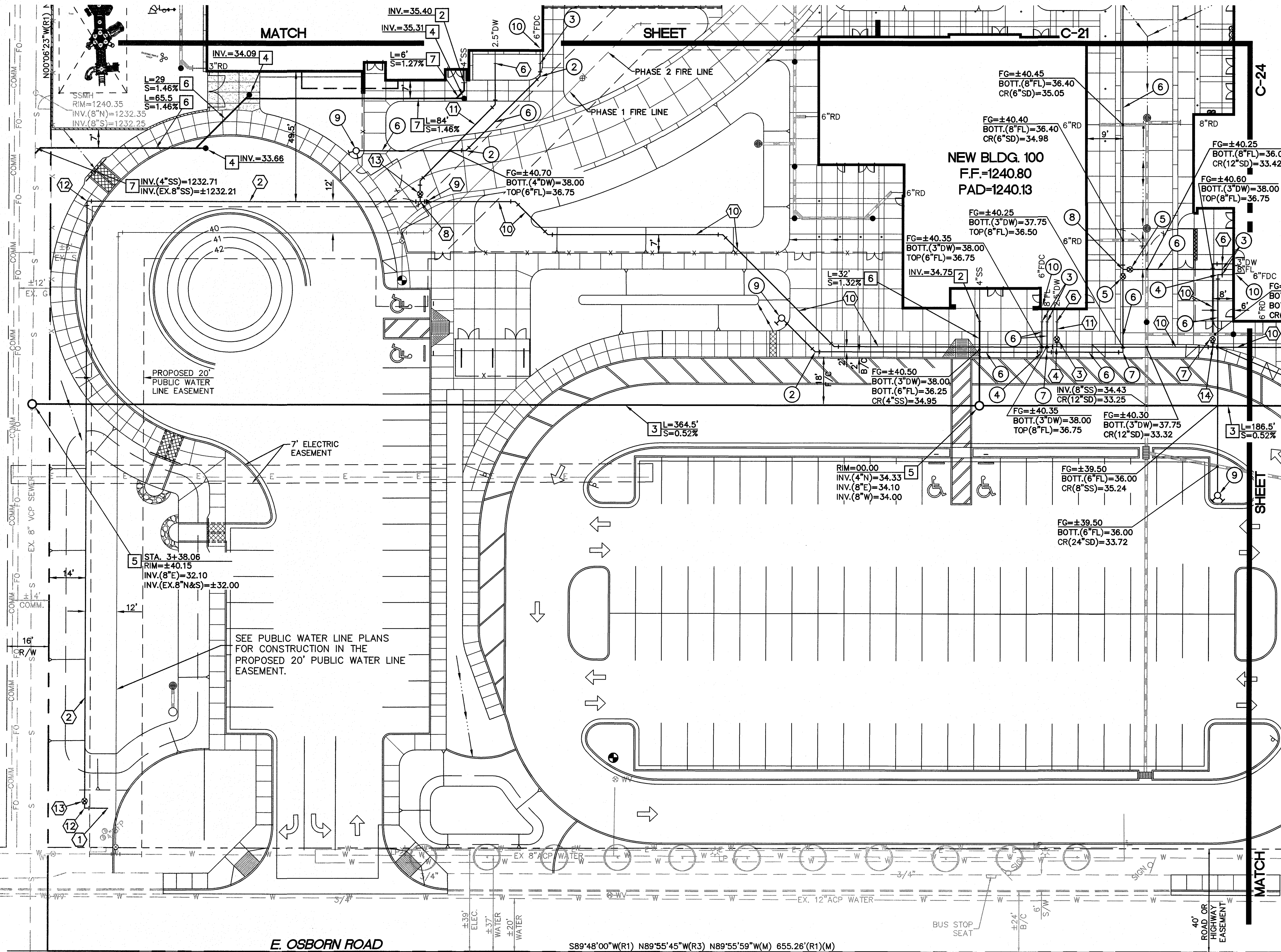
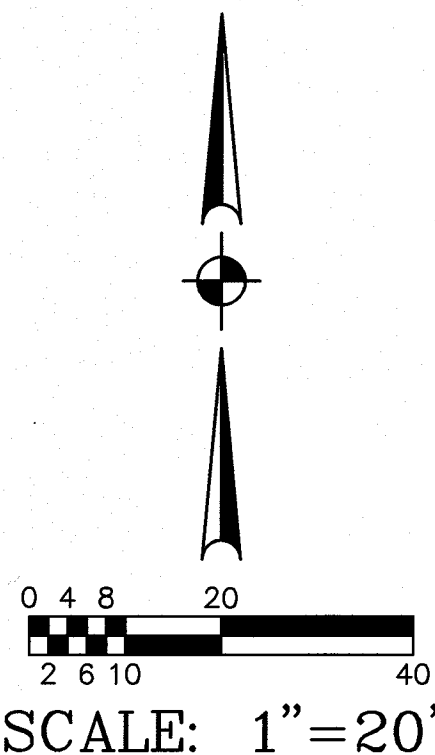
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C-23

**PRIVATE SANITARY SEWER LINE
CONSTRUCTION NOTES:**

1. INSTALL WATERTIGHT CAP.
2. CONNECT TO BUILDING SEWER LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
3. INSTALL 8" P.V.C. SEWER PIPE (ASTM D-3034, SDR-35).
4. INSTALL SEWER CLEANOUT (MAG STANDARD DETAIL NO. 441).
5. INSTALL 4" DIAMETER SEWER MANHOLE (MAG STANDARD DETAIL NO.'S 420-1 AND 420-2). INSTALL MANHOLE COVER (MAG STANDARD DETAIL NO.'S 424-1 AND 424-2 AND CITY OF SCOTTSDALE STANDARD DETAIL NO. 2421).
6. INSTALL 4" P.V.C. SEWER PIPE (ASTM D-3034, SDR-35).
7. CONNECT TO EXISTING 6" SEWER LINE (MAG STANDARD DETAIL NO. 420-2). FIELD VERIFY LOCATION AND ELEVATION OF EXISTING SEWER LINE PRIOR TO THE START OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.

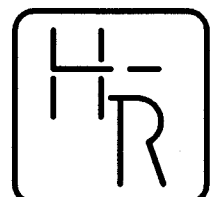
**PRIVATE DOMESTIC WATER LINE
CONSTRUCTION NOTES:**

1. CONNECT TO EXISTING 4" WATER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE PRIOR TO THE START OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.
2. INSTALL 4" P.V.C. (RING TITE, CLASS 200) WATER LINE.
3. INSTALL 2-1/2" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
4. INSTALL 3" X 2-1/2" X 3" TEE.
5. INSTALL WATERTIGHT CAP AND THRUST BLOCK.
6. CONNECT TO BUILDING DOMESTIC WATER LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
7. INSTALL 3" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
8. INSTALL 4" X 2-1/2" X 4" TEE.
9. INSTALL 4" TO 3" REDUCER.
10. INSTALL 3" P.V.C. (SCHEDULE 40 WITH SOLVENT WELD JOINTS) WATER LINE, INCLUDING ALL SCHEDULE 40 BENDS AND FITTINGS AND CONCRETE THRUST BLOCKS.
11. INSTALL 2-1/2" P.V.C. (SCHEDULE 40 WITH SOLVENT WELD JOINTS) WATER LINE, INCLUDING ALL SCHEDULE 40 BENDS AND FITTINGS AND CONCRETE THRUST BLOCKS.
12. INSTALL 4"-90° BEND.
13. INSTALL 4" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
14. INSTALL 3" X 3" X 3" TEE.



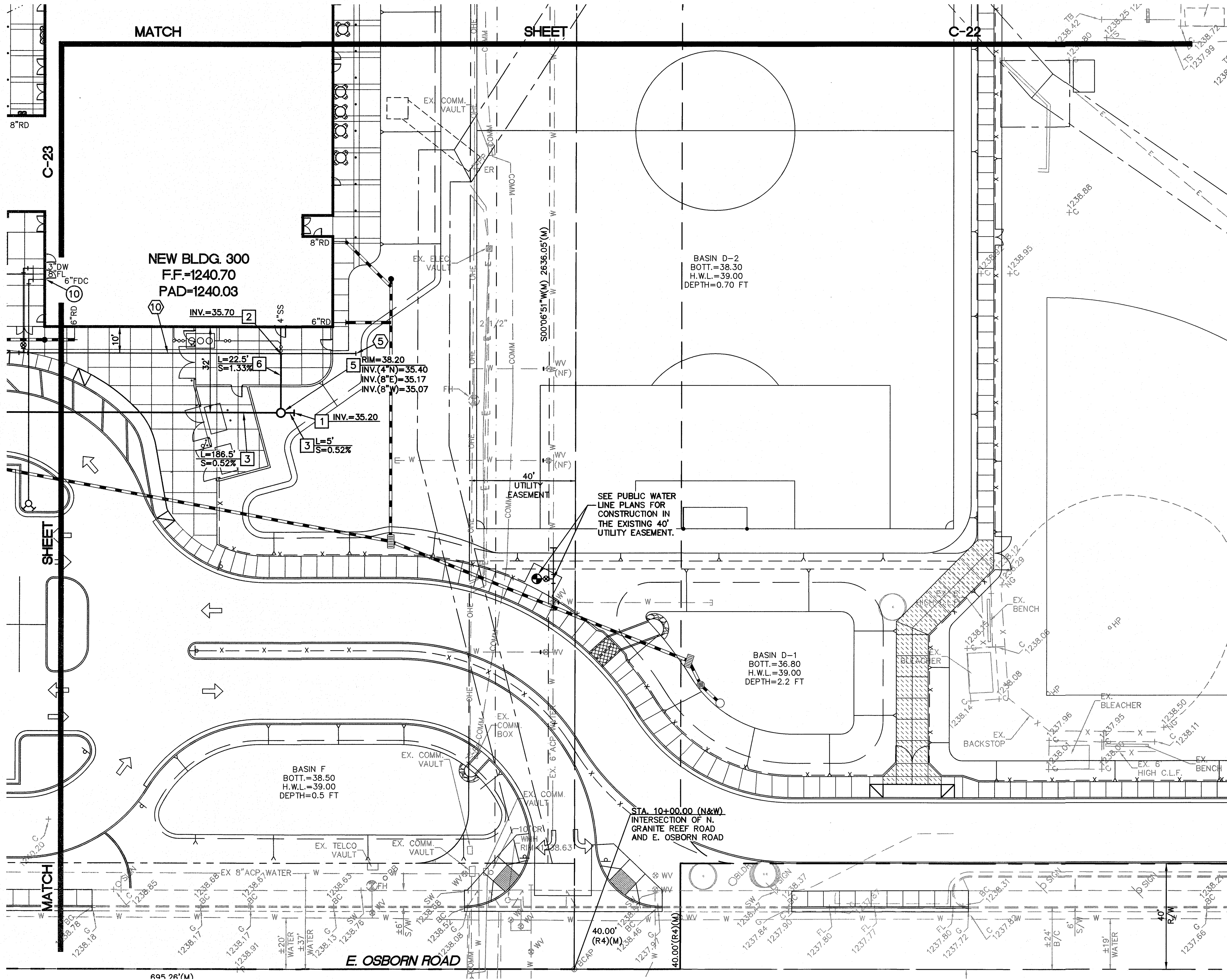
PRIVATE FIRE LINE CONSTRUCTION NOTES:

1. SEE PUBLIC WATER LINE PLANS FOR CONTINUATION.
2. INSTALL 6" - 45' BEND.
3. CONNECT TO BUILDING FIRE PROTECTION SYSTEM WITH NECESSARY AND APPROPRIATE FITTINGS. SEE FIRE PROTECTION AND PLUMBING DRAWINGS FOR EXACT LOCATION AND CONTINUATION.
4. INSTALL 6" - 90° BEND.
5. INSTALL 8" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
6. INSTALL 8" P.V.C. WATER LINE (AWWA C-900, CLASS 200).
7. INSTALL 8" 90° BEND.
8. INSTALL 8" X 8" X 8" TEE.
9. INSTALL REMOTE FIRE DEPARTMENT CONNECTION (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2367).
10. DOUBLE CHECK BACKFLOW PREVENTION IN RISER, PER CITY OF SCOTTSDALE STANDARD DETAIL NO. 2368. SEE FIRE PROTECTION DRAWINGS.



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**PRIVATE DOMESTIC WATER LINE
CONSTRUCTION NOTES:**

1. CONNECT TO EXISTING 4" WATER LINE WITH NECESSARY AND APPROPRIATE FITTINGS. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE PRIOR TO THE START OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.
2. INSTALL 4" P.V.C. (RING TITE, CLASS 200) WATER LINE.
3. INSTALL 2-1/2" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
4. INSTALL 3" X 2-1/2" X 3" TEE.
5. INSTALL WATERTIGHT CAP AND THRUST BLOCK.
6. CONNECT TO BUILDING DOMESTIC WATER LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
7. INSTALL 3" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
8. INSTALL 4" X 2-1/2" X 4" TEE.
9. INSTALL 4" TO 3" REDUCER.
10. INSTALL 3" P.V.C. (SCHEDULE 40 WITH SOLVENT WELD JOINTS) WATER LINE, INCLUDING ALL SCHEDULE 40 BENDS AND FITTINGS AND CONCRETE THRUST BLOCKS.
11. INSTALL 2-1/2" P.V.C. (SCHEDULE 40 WITH SOLVENT WELD JOINTS) WATER LINE, INCLUDING ALL SCHEDULE 40 BENDS AND FITTINGS AND CONCRETE THRUST BLOCKS.
12. INSTALL 4"-90° BEND.
13. INSTALL 4" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
14. INSTALL 3" X 3" X 3" TEE.

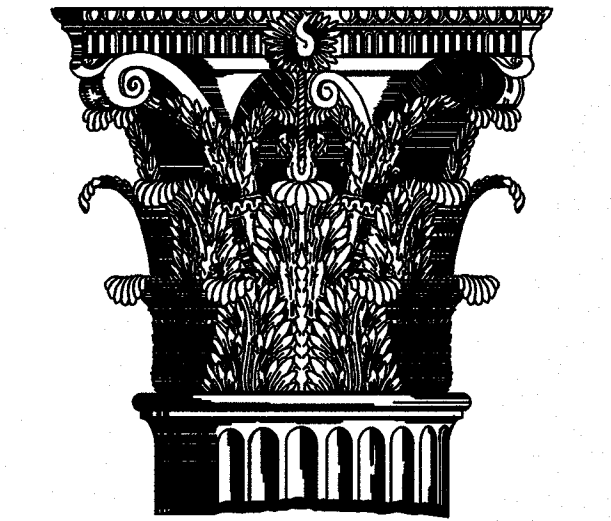
PRIVATE FIRE LINE CONSTRUCTION NOTES:

1. SEE PUBLIC WATER LINE PLANS FOR CONTINUATION.
2. INSTALL 6" - 45° BEND.
3. CONNECT TO BUILDING FIRE PROTECTION SYSTEM WITH NECESSARY AND APPROPRIATE FITTINGS. SEE FIRE PROTECTION AND PLUMBING DRAWINGS FOR EXACT LOCATION AND CONTINUATION.
4. INSTALL 6" - 90° BEND.
5. INSTALL 8" GATE VALVE WITH VALVE BOX AND COVER WITH CHAIN ATTACHMENT (MAG STANDARD DETAIL NO. 391-1, TYPE "C"). ADJUST VALVE BOX FRAME AND COVER TO FINISH GRADE (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2270).
6. INSTALL 8" P.V.C. WATER LINE (AWWA C-900, CLASS 200).
7. INSTALL 8" 90° BEND.
8. INSTALL 8" X 8" X 8" TEE.
9. INSTALL REMOTE FIRE DEPARTMENT CONNECTION (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2367).
10. DOUBLE CHECK BACKFLOW PREVENTION IN RISER, PER CITY OF SCOTTSDALE STANDARD DETAIL NO. 2368. SEE FIRE PROTECTION DRAWINGS.

**PRIVATE SANITARY SEWER LINE
CONSTRUCTION NOTES:**

1. INSTALL WATERTIGHT CAP.
2. CONNECT TO BUILDING SEWER LINE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
3. INSTALL 8" P.V.C. SEWER PIPE (ASTM D-3034, SDR-35).
4. INSTALL SEWER CLEANOUT (MAG STANDARD DETAIL NO. 441).
5. INSTALL 4" DIAMETER SEWER MANHOLE (MAG STANDARD DETAIL NO.'S 420-1 AND 420-2). INSTALL MANHOLE COVER (MAG STANDARD DETAIL NO.'S 424-1 AND 424-2 AND CITY OF SCOTTSDALE STANDARD DETAIL NO. 2421).
6. INSTALL 4" P.V.C. SEWER PIPE (ASTM D-3034, SDR-35).
7. CONNECT TO EXISTING 6" SEWER LINE (MAG STANDARD DETAIL NO. 440-3). FIELD VERIFY LOCATION AND ELEVATION OF EXISTING SEWER LINE PRIOR TO THE START OF CONSTRUCTION AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.

Hunt & Caraway
Architects



1747 East Morten Avenue #306
Phoenix, Arizona 85020
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602.595.8399
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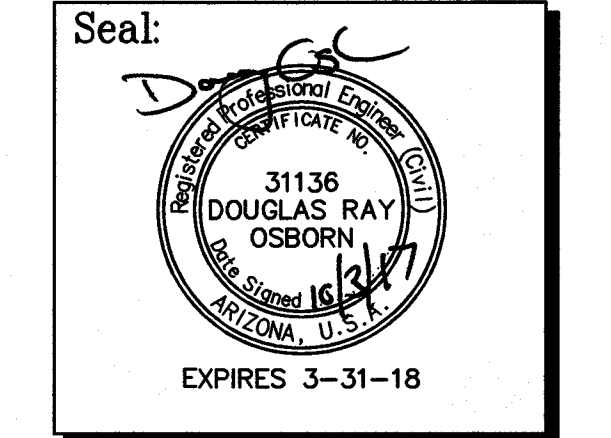
Pima Elementary School
Scottsdale Unified School
District
8330 E Osborn Rd
Scottsdale, AZ

PRIVATE DOMESTIC
WATER, PRIVATE
SANITARY SEWER &
PRIVATE FIRE LINE
PLAN

Revisions:

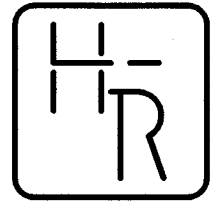
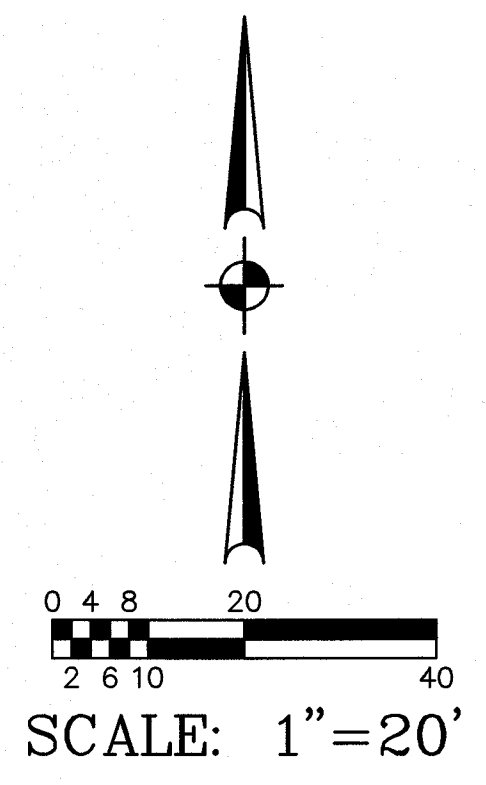
Revisions:

Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set



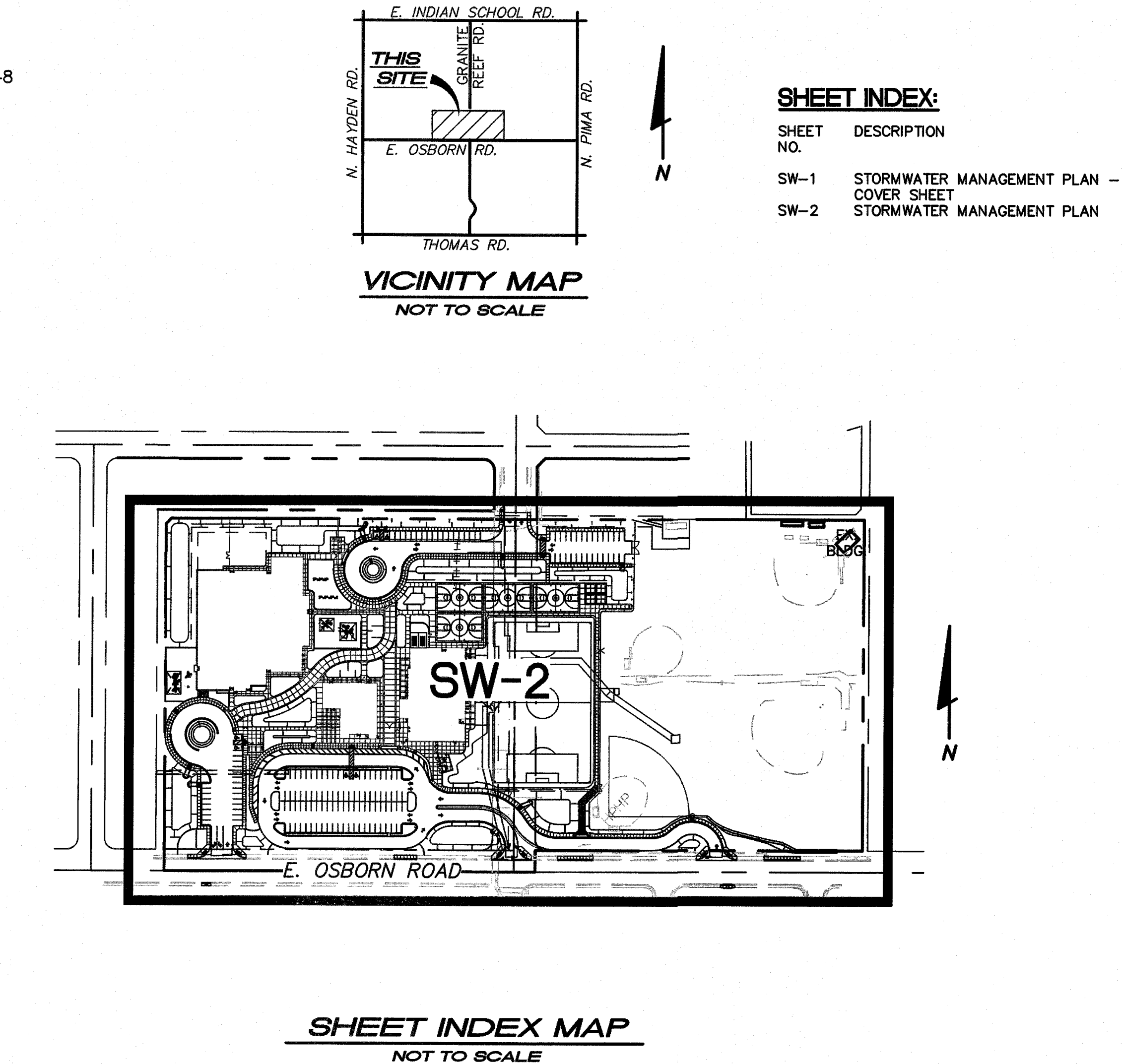
H-R JOB #
1705-06

24 OF 26
C-24



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STORMWATER MANAGEMENT PLAN
FOR THE
CAMPUS REPLACEMENT
AT
PIMA ELEMENTARY SCHOOL
8330 E OSBORN RD,
SCOTTSDALE, ARIZONA 85251
FOR
SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48
7575 EAST MAIN STREET
SCOTTSDALE, ARIZONA 85251
PHONE: (480)484-6100



STORMWATER MANAGEMENT PLAN
COVER SHEET

Revisions:

Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

Seal:

BENCHMARK:
TOP BRASS CAP IN HAND HOLE AT INTERSECTION OF CHAPARRAL ROAD AND PIMA ROAD, JUST WEST OF LOOP 101.
ELEVATION 1255.94 (SCOTTSDALE COMMUNITY COLLEGE DATUM)

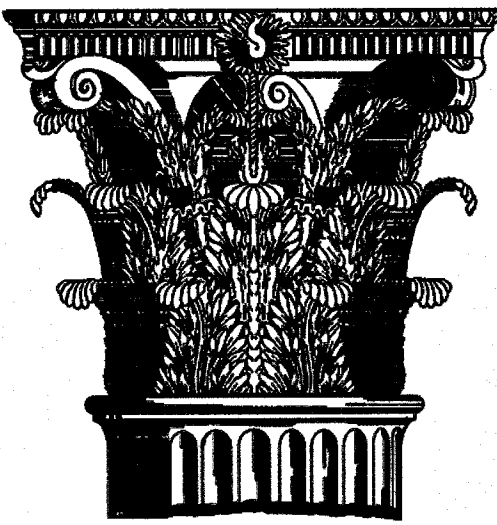
H-R

ARIZONA 801
Call at least two full working days before you begin excavation.
Old 8-1-1 or 1-800-374-6277 (Toll-Free)
In Maricopa County: (602) 263-1100

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25 OF 26
SW-1

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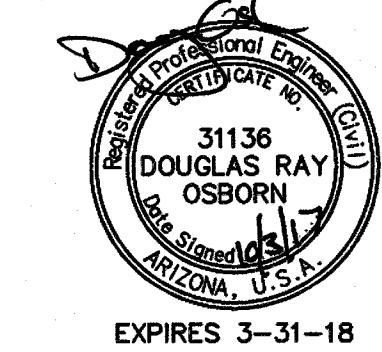
Pima Elementary School
Scottsdale Unified School
District
8330 E Osborn Rd
Scottsdale, AZ

STORMWATER
MANAGEMENT PLAN

Revisions:

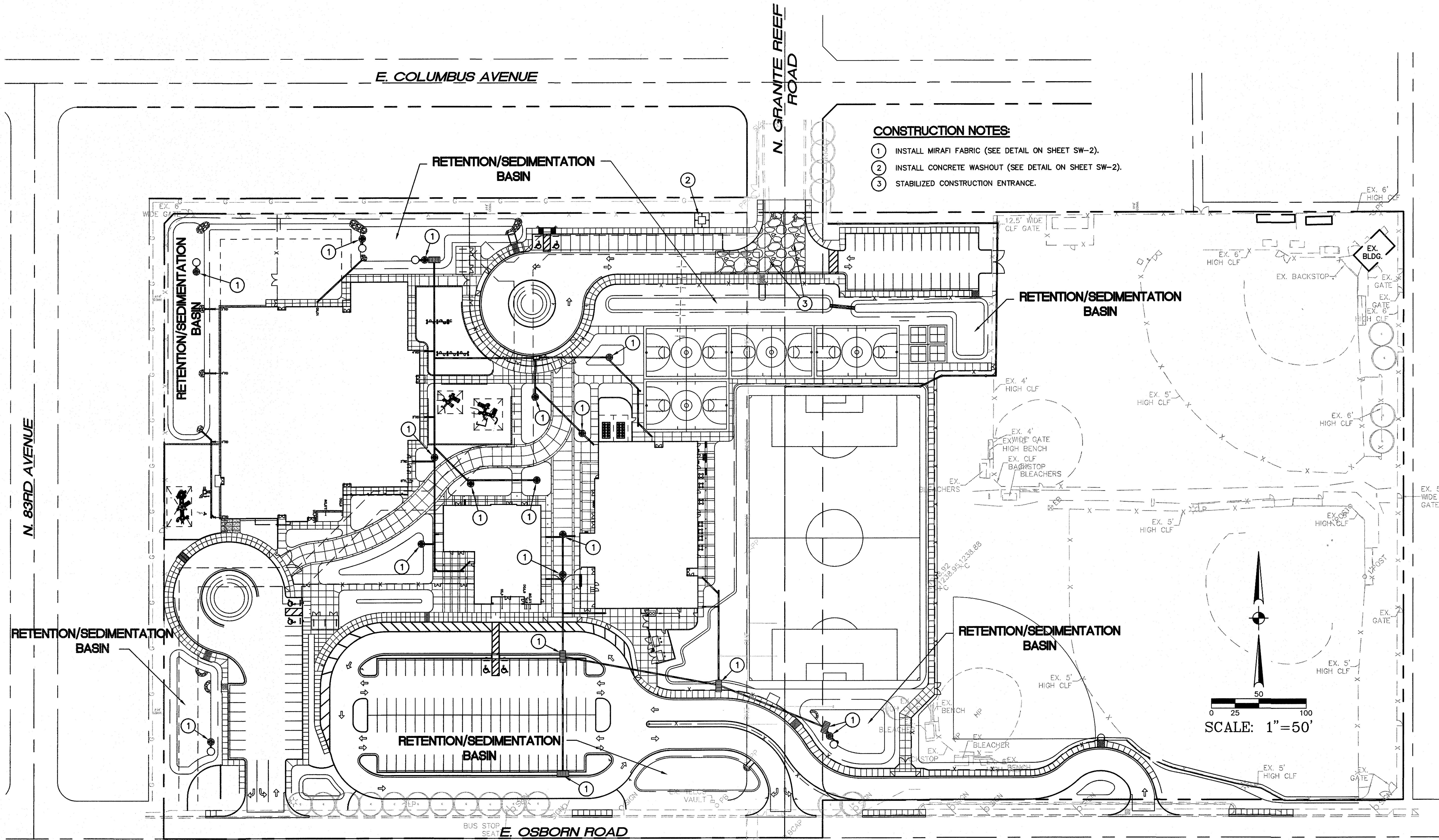
Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

Seal:



H-R JOB #
1705-06

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SW-2



CONSTRUCTION NOTES:

1. INSTALL MIRAFI FABRIC (SEE DETAIL ON SHEET SW-2).
2. INSTALL CONCRETE WASHOUT (SEE DETAIL ON SHEET SW-2).
3. STABILIZED CONSTRUCTION ENTRANCE.

LEGEND

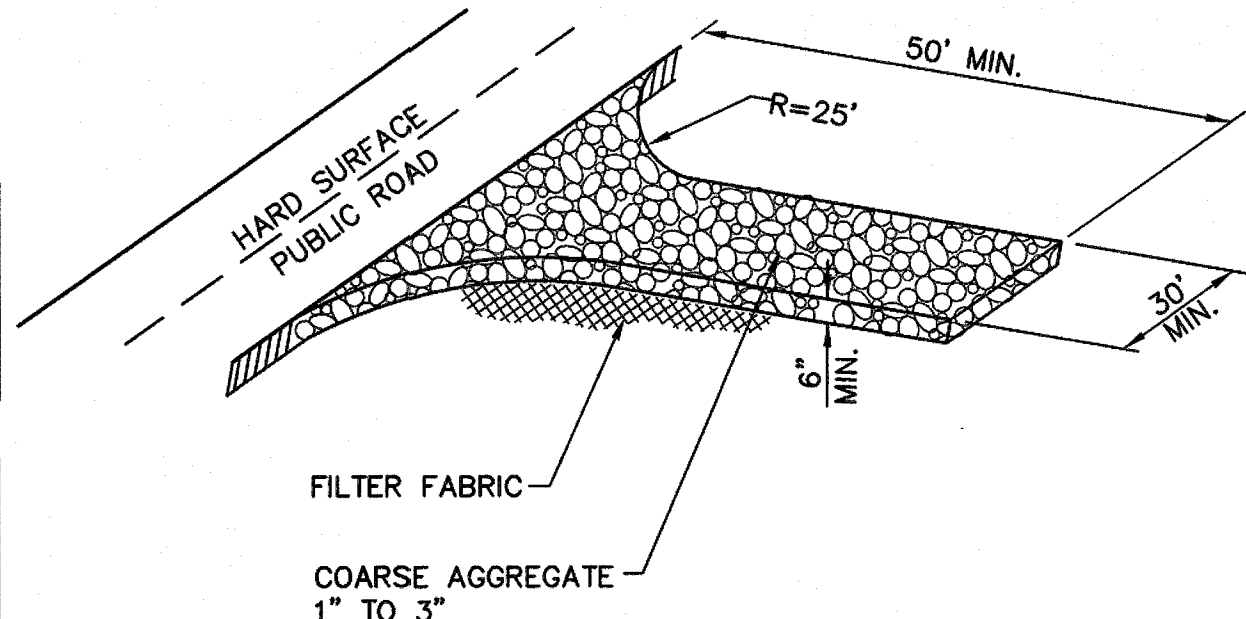
- PROPOSED SD MANHOLE
- ▢ PROPOSED DOUBLE CATCH BASIN
- ▢ PROPOSED CATCH BASIN
- PROPOSED AREA DRAIN
- DRAINAGE DIRECTION
- ▢ STABILIZED CONSTRUCTION ENTRANCE
- ▢ CONCRETE WASHOUT
- ▢ PROPOSED STORM DRAIN PIPE

NOTE:

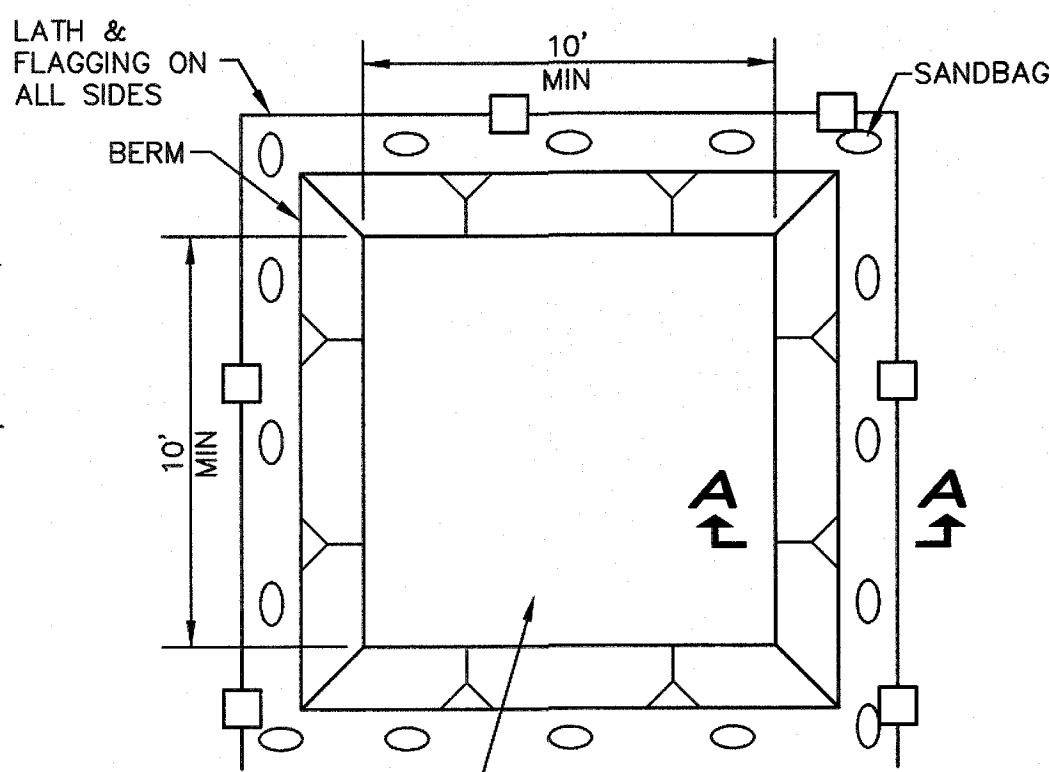
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL AND VEHICLE TRACK OUT MEASURES.

NOTE:

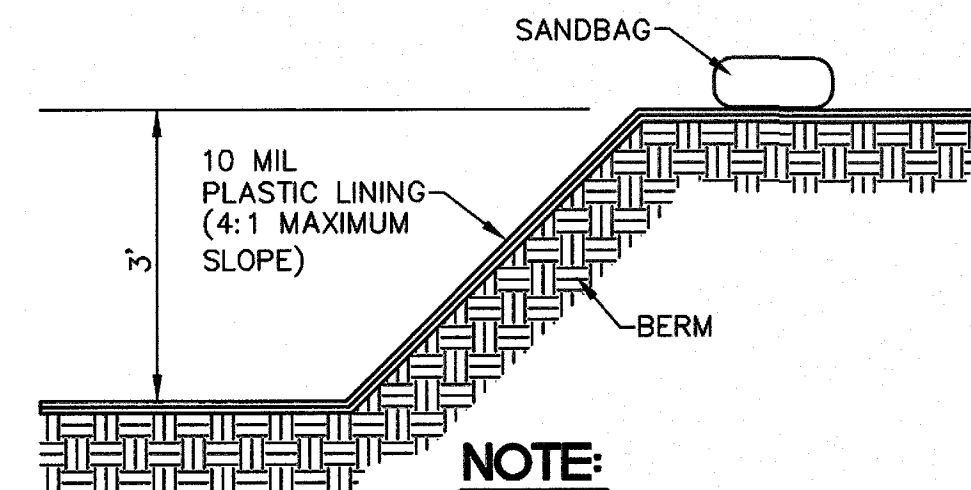
ALL BUBBLER BOXES, AREA DRAINS, CATCH BASINS, TRENCH DRAINS, ETC. SHALL HAVE TWO LAYERS OF MIRAFI 100X FABRIC INSTALLED BENEATH THE GRATE. FABRIC SHALL NOT BE REMOVED UNTIL PAVING AND LANDSCAPING ARE COMPLETE.



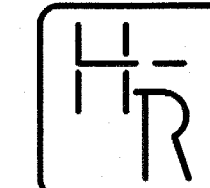
STABILIZED CONSTRUCTION
ENTRANCES ONLY (EC-5)
NOT TO SCALE



CONCRETE WASHOUT (GH-4)
NOT TO SCALE



NOTE:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
SECTION A-A
NOT TO SCALE



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GENERAL NOTES FOR PUBLIC WORKS CONSTRUCTION:

- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE CITY'S SUPPLEMENTAL STANDARD DETAILS WILL GOVERN.
- THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL, OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
- THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN SIX MONTHS, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A PUBLIC WORKS INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY INSPECTION SERVICES 24 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING 480-312-5750.
- WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 602-263-1100, TWO WORKING DAYS BEFORE EXCAVATION BEGINS. THE CENTER WILL SEE THAT THE LOCATION OF THE UNDERGROUND UTILITY LINES IS IDENTIFIED FOR THE PROJECT. CALL "COLLECT" IF NECESSARY.
- ENCROACHMENT PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. AN ENCROACHMENT PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER THE REGISTRANT HAS PAID A BASE FEE PLUS A FEE FOR INSPECTION SERVICES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
- ALL EXCAVATION AND GRADING THAT IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENT GRANTED FOR PUBLIC USE MUST CONFORM TO CHAPTER 70, EXCAVATION AND GRADING, OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE PREPARED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. A PERMIT FOR THIS GRADING MUST BE SECURED FORM THE CITY FOR A FEE ESTABLISHED BY THE UNIFORM BUILDING CODE.

ESTIMATED TOTAL DISTURBED AREA:

DISTURBED AREA = 12.5 ACRES

NOTE:

THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE ONLY AND ARE AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF HESS-ROUNTREE, INC. NO REPRODUCTION OR OTHER USE SHALL BE MADE BY ANY PERSON OR FIRM OTHER THAN HESS-ROUNTREE, INC. OR THE CITY OF SCOTTSDALE WITHOUT EXPRESS PERMISSION OF HESS-ROUNTREE, INC. ANY UNAUTHORIZED USE SHALL VOID THE ENGINEER'S SEAL AND SIGNATURE HEREON AND NO PROFESSIONAL RESPONSIBILITY WILL REMAIN.

NO CONFLICT SIGNATURE BLOCK					
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Submitted	Date Signed
Water	APS	Michael Bouche	608-371-7033	X	X
Water	Salt River Project	Matt Streepner	602-236-3105	X	X
Cable TV	Century Link	R-of-W Dept	N/A		
	City of Scottsdale	Doug Mann	480-312-5636	X	X
Cable TV	Cox Communications	TMC Dept.	623-328-3554	X	X
Other	Southwest Gas Cop.	Greg Cooper	602-484-5276	X	X
Other	Kinder Morgan	D. Tarango	602-278-2320	X	X

ENGINEER'S CERTIFICATION

I, DOUG OSBORN, BEING THE PERSON RESPONSIBLE FOR DESIGNING THE FACILITIES NECESSARY TO SERVE THIS DEVELOPMENT, HEREBY CERTIFY THAT PLANS HAVE BEEN SUBMITTED TO ALL THE UTILITY COMPANIES LISTED ABOVE FOR CONFLICT REVIEW. "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY THAT RESPONDED AND ARE INCLUDED IN THIS SUBMITTAL. CONFLICTS IDENTIFIED BY UTILITY COMPANY RESPONSES HAVE BEEN RESOLVED.

SIGNATURE

DATE

OWNER:

SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48
7575 EAST MAIN STREET
SCOTTSDALE, ARIZONA 85251
PHONE: (480) 484-6100
CONTACT: LOUIS HARTWELL

ENGINEER:

HESS-ROUNTREE, INC.
9831 SOUTH 51ST STREET, SUITE C110
PHOENIX, ARIZONA 85044
PHONE: (480) 496-0244
FAX: (480) 496-0094
CONTACT: DOUG OSBORN, P.E.

SHEET INDEX:

- C-27 PUBLIC WATER LINE PLAN -COVER SHEET
- C-28 PUBLIC WATER LINE PLAN
- C-29 PUBLIC WATER LINE PLAN
- C-30 PUBLIC WATER LINE PLAN
- C-31 PUBLIC WATER LINE PLAN

CIVIL APPROVAL			
REVIEW & RECOMMENDED APPROVAL BY:			
PAVING		TRAFFIC	
G & D		PLANNING	
W & S		FIRE	
RET. WALLS			
ENGINEERING COORDINATION MANAGER OR DESIGNEE		DATE	

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION AS SHOWN HEREON WAS MADE UNDER MY SUPERVISION, OR AS NOTED, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED PROFESSIONAL ENGINEER OR
REGISTERED LAND SURVEYOR

DATE

FLOODPLAN MAP INFORMATION

COMMUNITY NUMBER	PANEL NUMBER AND DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	SHADED ZONE	BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH)
045012	0890	L	10-16-13	X	N/A
	10-16-13				

THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100-YEAR STORM, AND ARE IN ACCORDANCE WITH SCOTTSDALE REVISED CODE, CHAPTER 37 - FLOODPLAIN AND STORMWATER REGULATION.

PUBLIC WATER LINE PLANS

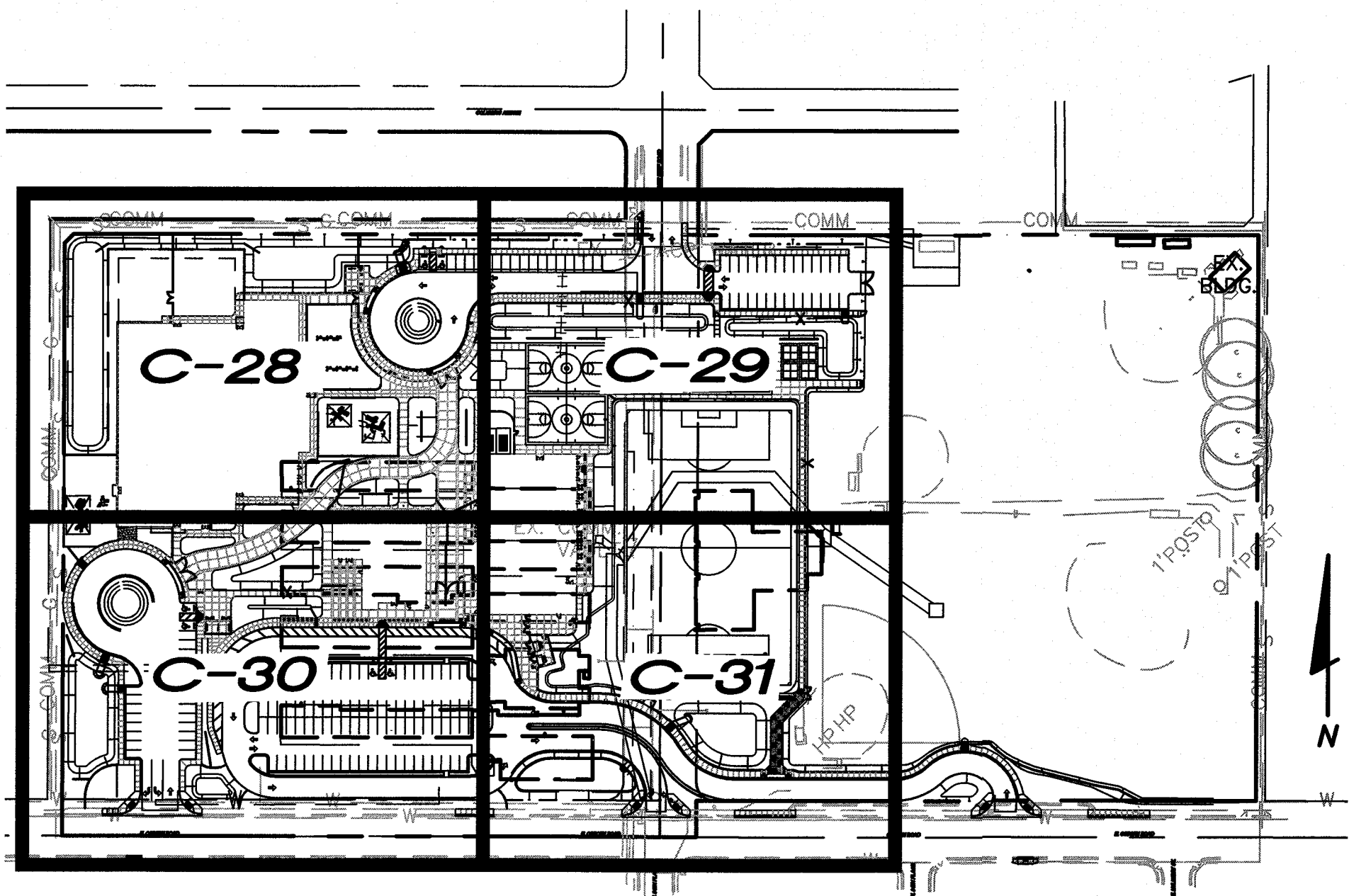
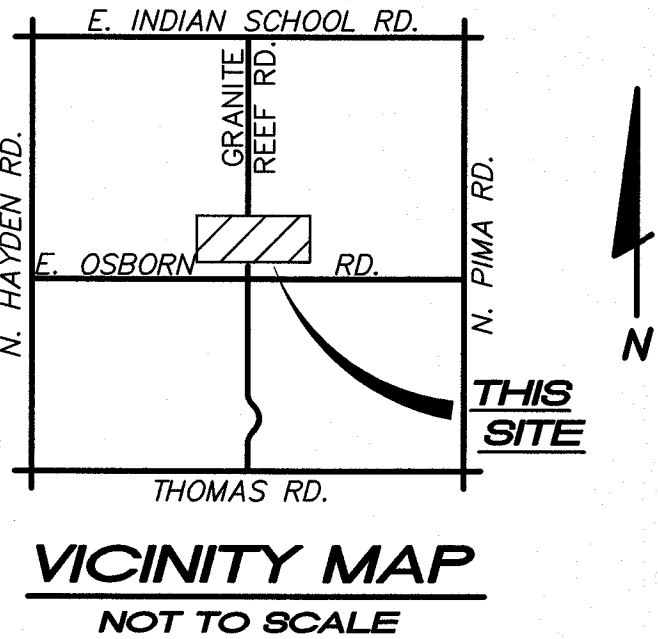
FOR THE
CAMPUS REPLACEMENT

PIMA ELEMENTARY SCHOOL

8330 E OSBORN RD,
SCOTTSDALE, ARIZONA 85251

FOR
SCOTTSDALE UNIFIED SCHOOL DISTRICT NO. 48

7575 EAST MAIN STREET
SCOTTSDALE, ARIZONA 85251
PHONE: (480)484-6100



SHEET INDEX MAP
NOT TO SCALE

DESIGN CIVIL ENGINEER'S
NOTES TO CONTRACTOR:

- NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE DESIGN CIVIL ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
- THE DESIGN CIVIL ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY. THE DESIGN CIVIL ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, ALLAY DUST, AND TO TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT ALL ROADWAYS AND ON SITE PARKING LOTS/FIRE LANES ARE MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE BLUE STAKE CENTER TWO WORKING DAYS PRIOR TO ANY EXCAVATION. THE UNDERGROUND UTILITY LOCATIONS AS SHOWN HEREON ARE BASED ON THE BEST INFORMATION AVAILABLE FROM UTILITY RECORDS AND OTHER DATA AS SUPPLIED TO THIS DESIGN CIVIL ENGINEER. THERE MAY BE OTHER UNDERGROUND UTILITY LINES, SERVICE LINES AND STRUCTURES PRESENT IN THE SUBJECT AREA. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF HIRING AN UNDERGROUND UTILITY LOCATING SERVICE FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITIES. CONTRACTOR WILL COORDINATE WITH THE OWNER AND ARCHITECT TO DETERMINE WHETHER SAID UTILITIES ARE TO BE ABANDONED OR PROTECTED FROM DAMAGE.
- THE DESIGN CIVIL ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING THE EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING, SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS. PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS, EARTHWORK QUANTITIES AND REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING AND NEW CLEANOUTS, WATER VALVE BOXES, MANHOLES, GAS VALVE BOXES, IRRIGATION BOXES, ETC. IN THE CONSTRUCTION AREA TO FINISH GRADE PER THE APPLICABLE MAG STANDARD DETAIL. ALL VALVE BOXES, MANHOLES, ETC. IN CONCRETE PAVEMENT AREAS SHALL BE ISOLATED FROM THE CONCRETE PAVEMENT WITH EXPANSION JOINTS.
- 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 INCLUDE ALL COSTS ASSOCIATED WITH THIS REQUIREMENT IN THEIR BID.
- THE CONTRACTOR SHALL MAKE NO CLAIMS AGAINST THE OWNER OR THE DESIGN CIVIL ENGINEER REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE DESIGN CIVIL ENGINEER UNLESS ALL SURVEY STAKES SET BY THE DESIGN CIVIL ENGINEER ARE MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OF IMPROPER CONSTRUCTION WORK IN THIS DEVELOPMENT SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.
- ALL NEW PRIVATE UNDERGROUND UTILITIES (WATER LINES 3" AND LARGER, SEWER LINES, FIRE LINES 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.

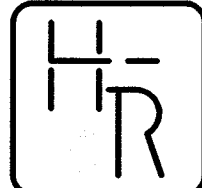
BENCHMARK:

CITY OF SCOTTSDALE BENCHMARK #4254. REBAR IN POTHOLE, DOWN 0.4 FEET, LOCATED AT THE INTERSECTION OF OSBORN ROAD AND GRANITE REEF ROAD.

ELEVATION=1238.13 (CITY OF SCOTTSDALE NAVD88 DATUM)

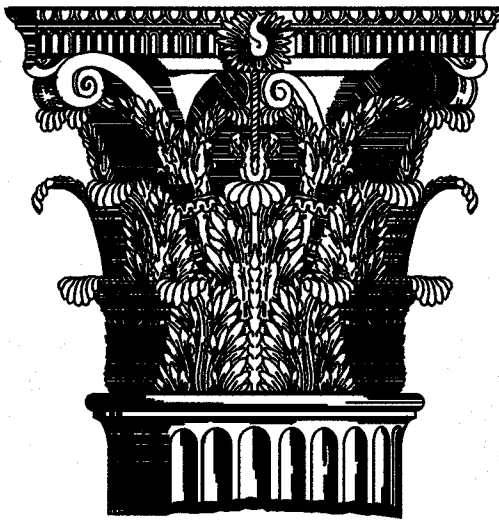
I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE CITY OF SCOTTSDALE BENCHMARK PROVIDED ABOVE.

Certificate of Approval to Construct	Maricopa County Environmental Services Department
MCESD #	Water and Waste Management Division
Public Water System ID Number 0407- Project Description:	(and/or) Waste Water System ID Number 0437-
Project Location:	
Project Owner:	
Pursuant to AAC Title 18; Chapter 4, Article 5; or AAC Title 18; Chapter 9, Article 8; and/or Maricopa County Environmental Health Code Chapters II or V. This certificate of Approval To Construct the above described facilities as represented in the attached plan is valid upon review and signature by a Maricopa County Environmental Services Department's representative given the following provisions. 1.) A Request for Certificate of Approval of Construction, together with an Engineer's Certificate of Completion, and sealed engineered as-built plans, shall be submitted to this Department prior to Approval of Construction and startup. 2.) The Approval to Construct is void if major modifications occur to the plans without the knowledge and consent of the department. If Construction has not started within one year of the approval date, this certificate will be void. An extension of time may be available upon written request.	
Approved By:	Date Approved:
CC: MCESD FILE; ADEQ	
Engineer;	AZ. Corp. Commission



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

Hunt & Caraway
Architects



1747 East Morten Avenue #306
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Voice 602.595.8200 Fax
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www.huntcaraway.com

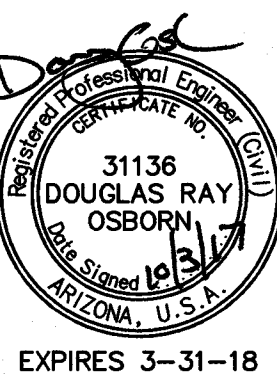
Pima Elementary School
Scottsdale Unified School
District
8330 E Osborn Rd
Scottsdale, AZ

PUBLIC WATER
LINE PLAN -
COVER SHEET

Revisions:

Drawn by: ANM
Checked by: DRO
Scale: As Shown
Date: 10/03/17
Issue: 100% CD Set

Seal:



H-R JOB #
1705-06

1 OF 5
C-27

170506P-W12106



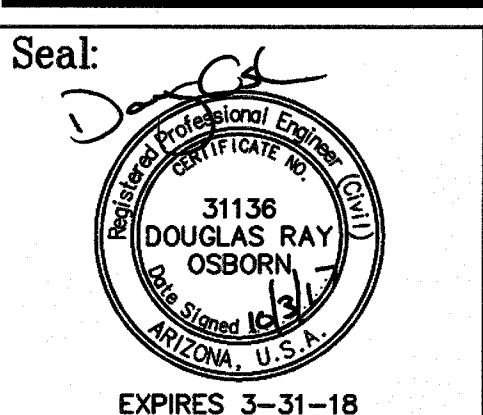
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Phoenix, Arizona 85020
Voice 602.595.8200 Fax 602.595.8399
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Pima Elementary School
Scottsdale Unified School District
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Scottsdale, AZ

PUBLIC WATER
LINE PLAN

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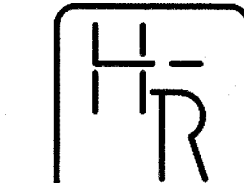
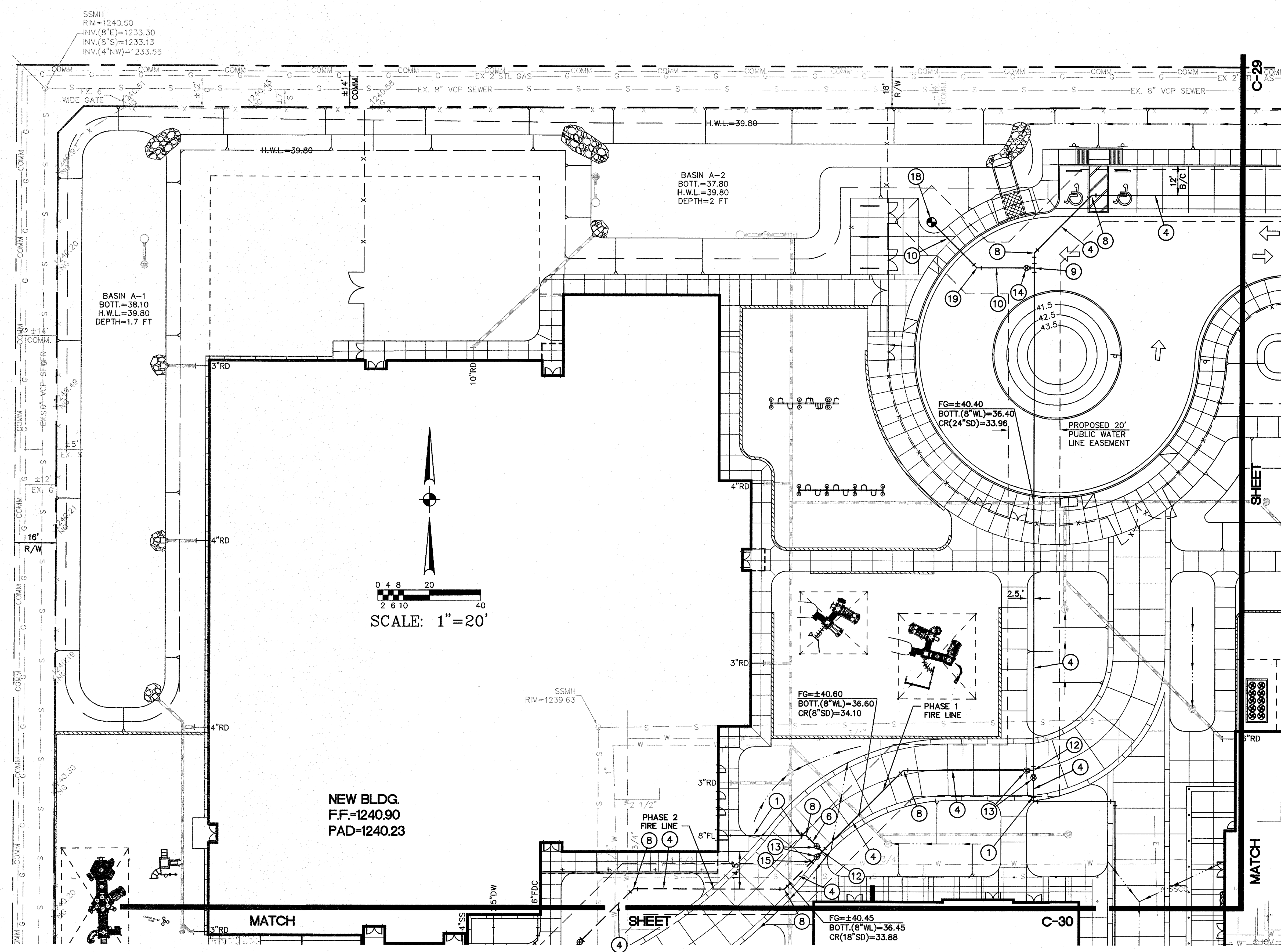


H-R JOB #
1705-06

2 OF 5
C-28

PUBLIC WATER LINE CONSTRUCTION NOTES:

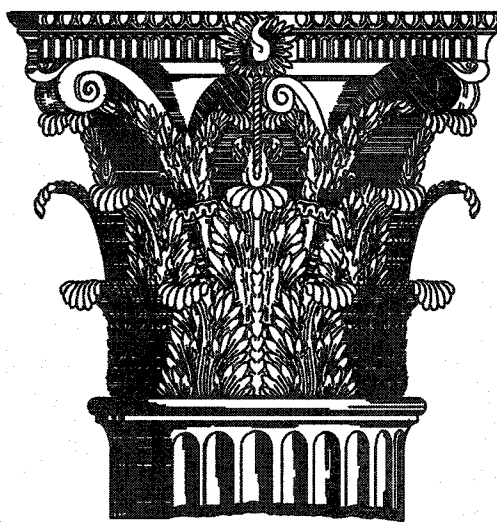
- 1 SEE ONSITE PRIVATE FIRE LINE PLANS FOR CONTINUATION.
- 2 INSTALL 8" TEE AND 8" VALVE, BOX AND COVER (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2362-2). INSTALL TEMPORARY TAP FOR CHLORINE INJECTION (CITY OF SCOTTSDALE STANDARD DETAIL NO. 2399). REMOVE EXISTING 8" A.C.P. WATER LINE 10' EITHER SIDE OF THE TEE AND REPLACE WITH NEW 8" DUCTILE IRON WATER LINE (AWWA C-150, PRESSURE CLASS 350), INCLUDING ALL HIGH RANGE FLEXIBLE COUPLINGS AND CONCRETE THRUST BLOCKS.
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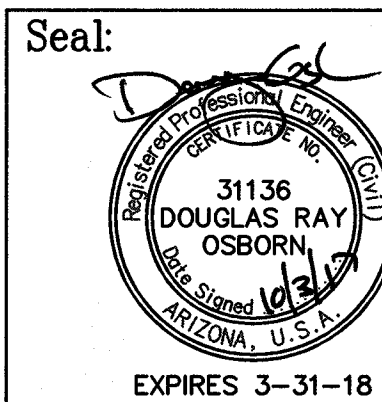
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Issue: 100% CD Set

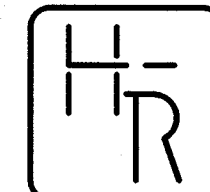
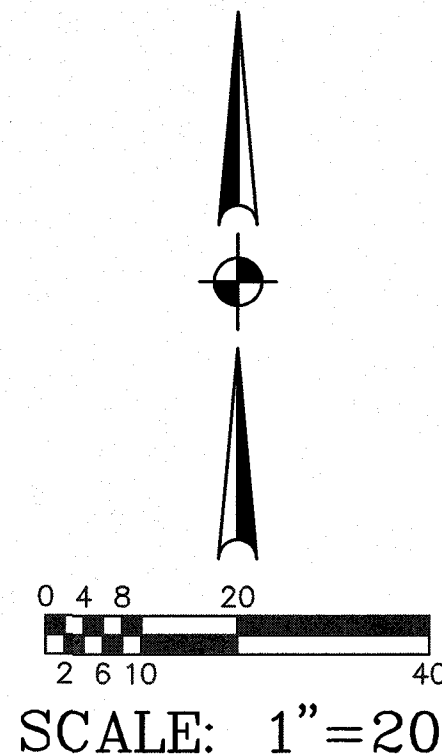


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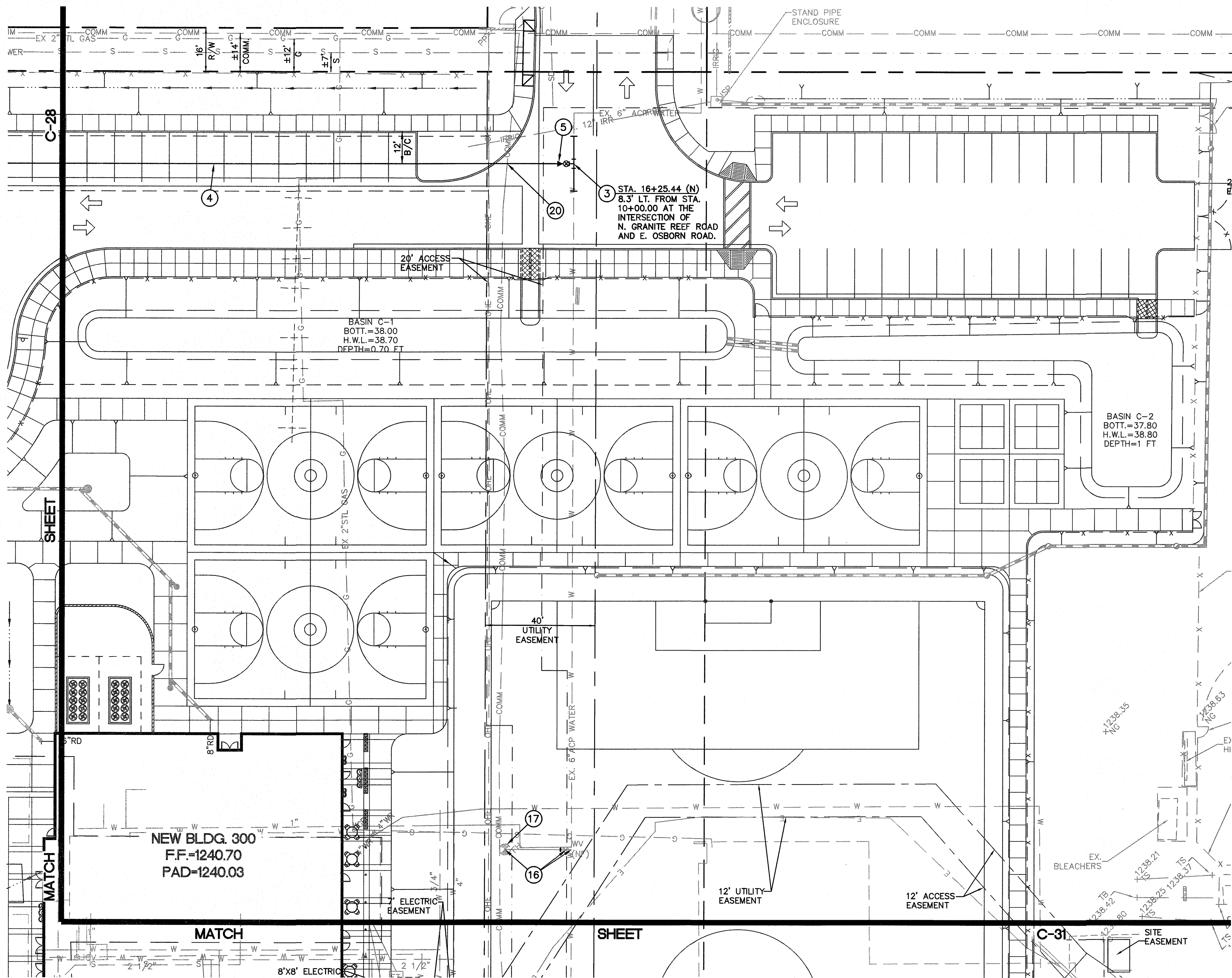
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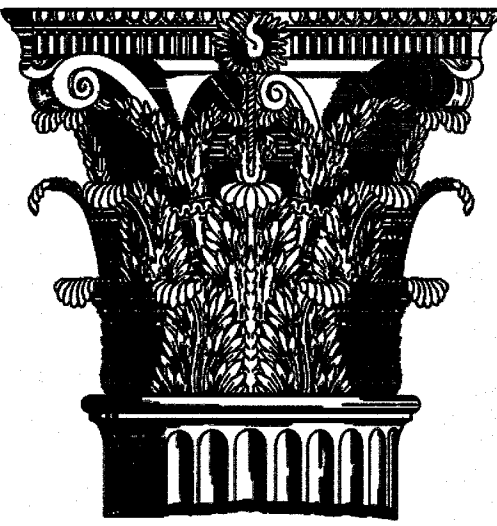
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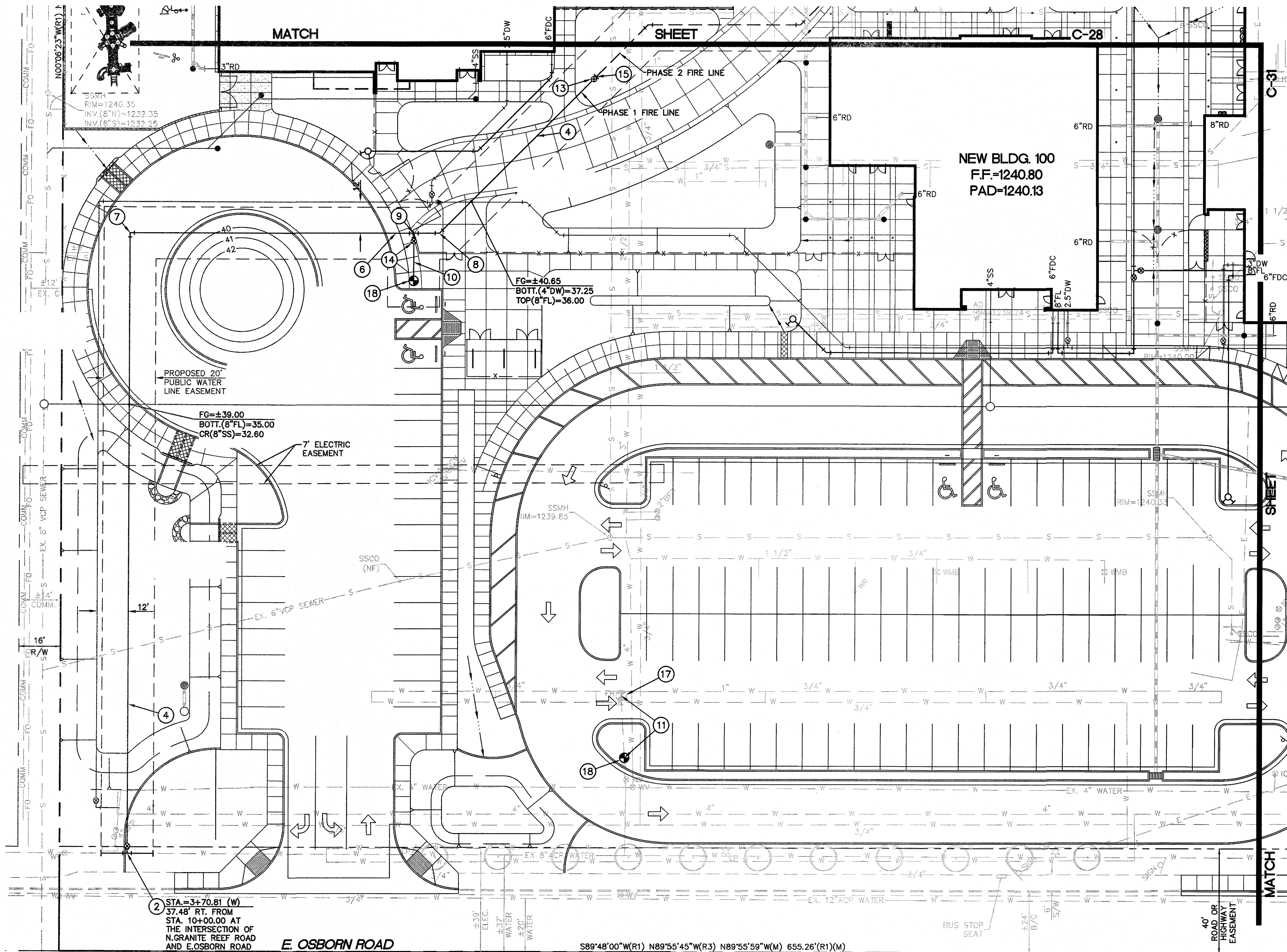
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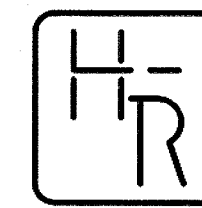
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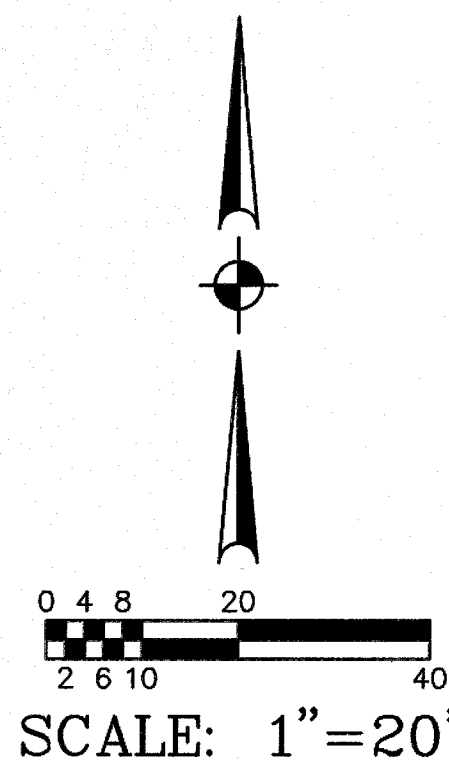


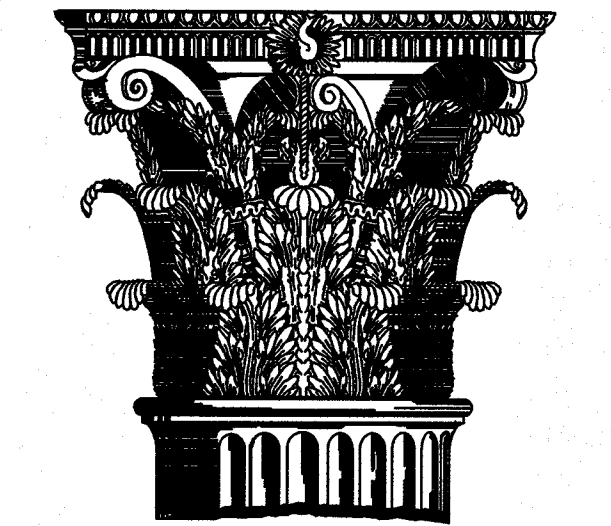
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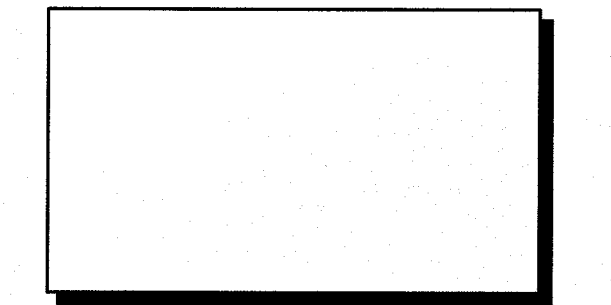




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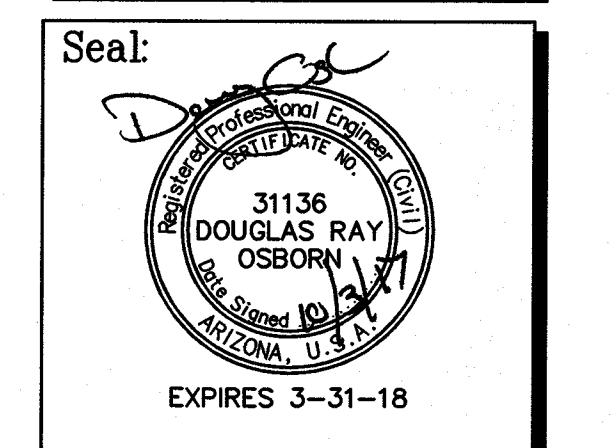
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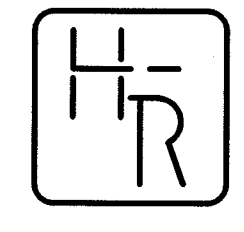
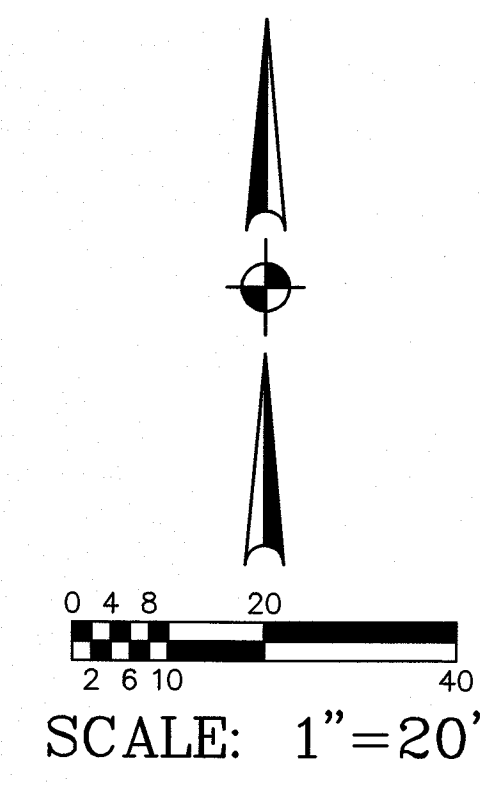
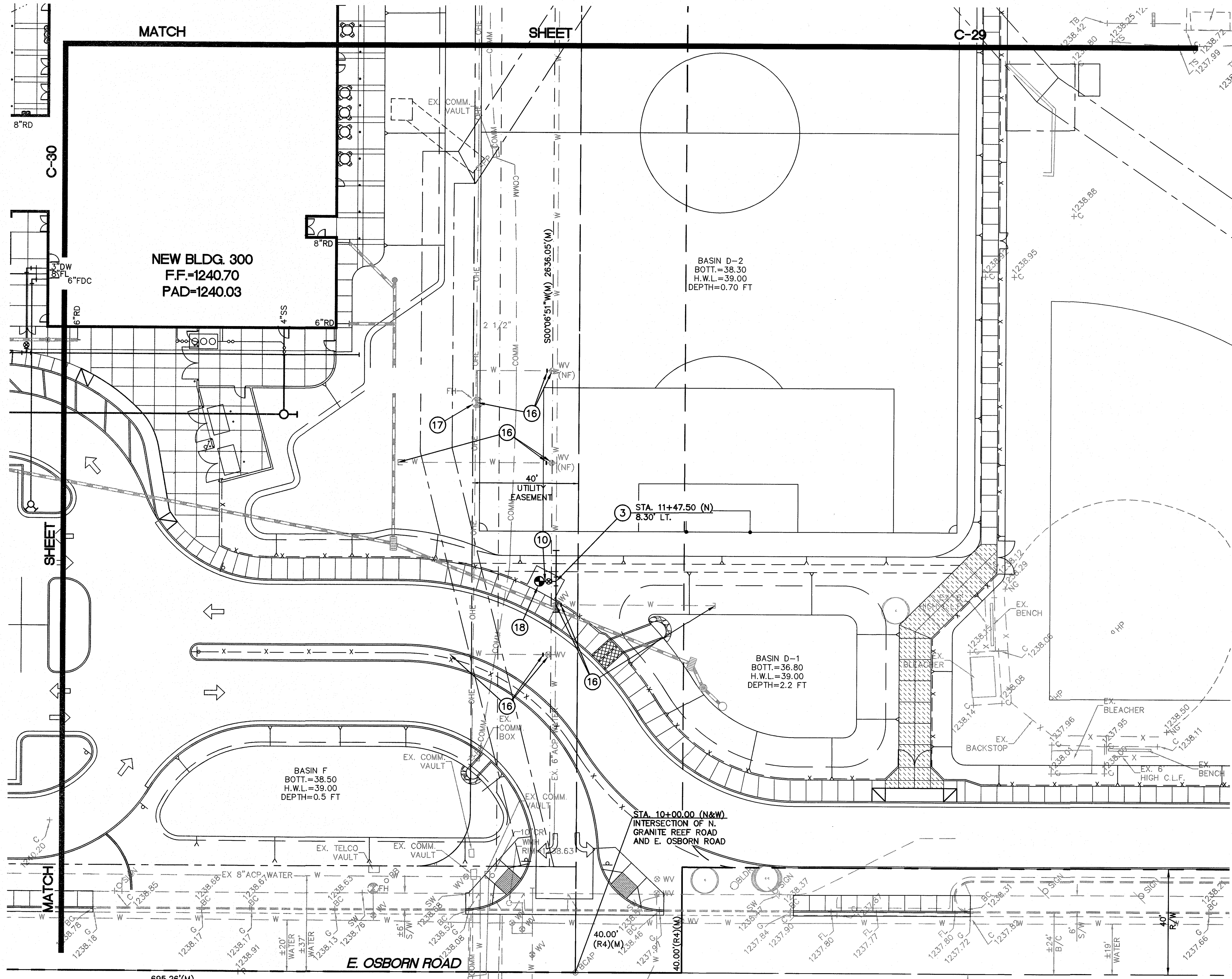


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