

CITY OF MESA GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL PUBLIC UTILITIES, PUBLIC STREET IMPROVEMENTS, AND RIGHT-OF-WAY LANDSCAPING. FOR INFORMATION REGARDING AVAILABILITY AND COST OF RIGHT-OF-WAY PERMITS, CONTACT THE PERMIT SERVICES SECTION OF THE BUILDING SAFETY DIVISION AT (480) 644-48SD OR AT [HTTP://WWW.MESAAZ.GOV/DEVSUSTAIN/CONSTRUCTIONPERMITS.ASPX](http://www.mesaaz.gov/devsustain/constructionpermits.aspx). THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED UNLESS OTHERWISE NOTED. CONTRACTORS MUST HOLD THE APPROPRIATE CLASS OF LICENSE AND SHALL HAVE ON FILE WITH THE PERMIT SERVICES SECTION PROOF OF INSURANCE COVERAGE. PERMITS BECOME INVALID AND MUST BE UPDATED IF WORK HAS NOT BEGUN WITHIN NINETY (90) DAYS. PERMITS ALSO BECOME INVALID IF THE CONTRACTOR'S INSURANCE LAPSSES OR IS VOIDED.
- TWENTY FOUR (24) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK, CONSTRUCTION OR INSTALLATIONS ASSOCIATED WITH THIS PERMIT, THE PERMITTEE SHALL NOTIFY CITY OF MESA ENGINEERING CONSTRUCTION SERVICES AT (480) 644-2253 OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRELIMINARY FIELD REVIEW AT THE PROJECT SITE WITH THE CITY OF MESA ENGINEERING CONSTRUCTION INSPECTOR. FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE, SHALL RESULT IN THIS PERMIT BECOMING INVALID AND WORK BEING STOPPED.
- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY RIGHT-OF-WAY PERMITS AND SHALL COMPLY WITH THE RIGHT-OF-WAY PERMIT CONDITIONS AS FOUND ON THE BACK OF THE PERMIT FORM.
- THE CITY OF MESA PARKS & RECREATION DIVISION IS NOT REPRESENTED BY BLUE STAKE. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO A CITY PARK, THE CONTRACTOR SHALL CONTACT THE PARKS & RECREATION ADMINISTRATION SECTION AT (480) 644-2354 TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL OBTAIN AN EARTH-MOVING PERMIT FROM THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL.
- THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFECTED UTILITY COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED AND ALL EXISTING AND/OR PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. THE ENGINEER OR ARCHITECT ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC RIGHT-OF-WAY OR EASEMENT HAVE BEEN CORRECTLY PLOTTED/SHOWN.
- THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION THAT ALL PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM SEWER, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS PROVIDED BY THE ENGINEER TO THE ENGINEERING DEPARTMENT - CONSTRUCTION SERVICES SECTION.
- THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OFWAY OR EASEMENTS HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
- THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE PROJECT.
- THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING FOR THE RELOCATION OR REMOVAL OF ALL UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.
- THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING. CALL SALT RIVER PROJECT FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT (602) 273-8888.
- WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261 FOR INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH.
- CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE CURRENT CITY OF MESA TRAFFIC BARRICADE MANUAL.
- IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT METER FROM PERMIT SERVICES AND PAY ALL APPLICABLE FEES AND CHARGES.
- IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO COMPLY WITH A REQUEST OF THE ENGINEERING CONSTRUCTION INSPECTOR, AND IT IS NECESSARY FOR CITY FORCES TO DO WORK THAT IS NORMALLY THE CONTRACTOR'S RESPONSIBILITY, THE CITY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY CITY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE RATES.
- THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. UNLESS OTHERWISE APPROVED BY THE CITY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A RESULT OF THE CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.
- THE APPLICANT HEREBY REPRESENTS THAT THESE CONSTRUCTION DOCUMENTS COMPLY WITH ALL ZONING APPROVALS, DESIGN REVIEW BOARD APPROVALS, BUILDING AND ENGINEERING STANDARDS AND ALL APPLICABLE REQUIREMENTS OF THE MESA CITY CODE. THE APPLICANT ACKNOWLEDGES AND AGREES THAT ANY DEVIATION FROM OR FAILURE TO COMPLY WITH THE REQUIREMENTS OF ANY SUCH APPROVAL OR STANDARD WILL RESULT IN THE DENIAL OF CERTIFICATE OF OCCUPANCY AND MAY RESULT IN ADDITIONAL PENALTIES AND/OR ENFORCEMENT ACTIONS AS PROVIDED IN THE MESA ZONING AND BUILDING CODES. APPROVAL OR THE CONSTRUCTION DOCUMENTS SHALL NOT IMPLY APPROVAL OF ANY DEVIATION FROM THE PLANS APPROVED AND STIPULATED BY DESIGN REVIEW BOARD, PLANNING & ZONING BOARD, AND CITY COUNCIL, OR FROM BUILDING AND ENGINEERING STANDARDS.

CITY OF MESA PAVING NOTES:

- THE DEVELOPER AND THE CONTRACTOR ARE REQUIRED TO COORDINATE THE PLACEMENT OR INSTALLATION OF DRIVEWAYS IN ORDER TO AVOID CONFLICT WITH UTILITY SERVICES.
- ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC., SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE AFTER PLACING OF ASPHALTIC SURFACE COURSE BY THE CONTRACTOR PER M.A.G. STANDARD DETAIL 270 AND 422.
- THE CONTRACTOR SHALL ADJUST ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. THAT ARE LOCATED WITHIN THE PARKWAY AREA AFTER FINAL GRADING AND INSTALLATION OF LANDSCAPING.
- ALL LANDSCAPING IMPROVEMENTS, INCLUDING IRRIGATION SYSTEMS WITHIN THE PUBLIC RIGHT-OF-WAY OR RETENTION BASINS THAT ARE TO BE MAINTAINED BY THE CITY OF MESA, SHALL BE IN ACCORDANCE WITH THE LANDSCAPING AND IRRIGATION STANDARDS BOOKLET.
- THE STREET PAVING PERMITTEE/CONTRACTOR IS HEREBY NOTIFIED THAT IN THE EVENT THAT ACCEPTANCE OF THE PUBLIC STREET PAVING IS DELAYED, SIX MONTHS OR MORE AFTER THE PAVEMENT WAS INSTALLED, THE PERMITTEE/CONTRACTOR SHALL APPLY A SEAL COAT TO THE PAVEMENT. TYPE OF MATERIAL AND RATE OF APPLICATION WILL BE DIRECTED BY THE CITY OF MESA ENGINEERING DEPARTMENT - FIELD SUPERVISING ENGINEER.
- A STANDARD RESIDENTIAL DRIVEWAY APPROACH SHALL BE CONSTRUCTED TO A MAXIMUM WIDTH OF 30 FEET UNLESS SPECIAL APPROVAL HAS BEEN OBTAINED.

CITY OF MESA STORMWATER DRAINAGE & RETENTION NOTES:

- THE ENGINEER, OR LAND SURVEYOR SHALL CERTIFY THAT THE REQUIRED STORM WATER RETENTION HAS BEEN PROVIDED. THE CERTIFICATION SHALL ALSO INDICATE THE ACTUAL VOLUME PROVIDED. SUCH CERTIFICATION SHALL BE PROVIDED TO BUILDING SAFETY DIVISION - BUILDING INSPECTIONS WHEN THE RETENTION AREA IS TO REMAIN PRIVATE PROPERTY AND TO ENGINEERING CONSTRUCTION SERVICES WHEN THE RETENTION AREA IS TO BECOME CITY OF MESA PROPERTY.
- ALL DRYWELLS SHOWN ON THIS PROJECT SHALL BE MAINTAINED BY THE OWNERS AND ARE TO BE REPLACED BY THE OWNERS WHEN THEY CEASE TO DRAIN WATER IN A 36 HOUR PERIOD. REGULAR MAINTENANCE OF THE DRYWELL-SILTING CHAMBER IS REQUIRED TO ACHIEVE THE BEST OPERATION OF THE DRYWELL. IN ACCORDANCE WITH ARIZONA REVISED STATUTES, DRYWELLS ARE REQUIRED TO BE REGISTERED WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (A.D.E.Q.) IT IS THE OWNER'S RESPONSIBILITY TO REGISTER ALL DRYWELLS. AN AQUIFER PROTECTION PERMIT MAY BE REQUIRED BY A.D.E.Q. FOR DRYWELLS DEEMED TO BE HAZARDOUS TO GROUNDWATER.

AS-BUILT CERTIFICATION:

I HEREBY CERTIFY THAT I HAVE REVIEWED THE "AS-BUILT" FOR THE ABOVE REFERENCED PROJECT AND CERTIFY THAT THE DEVELOPMENT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED IMPROVEMENT PLANS, THAT IT WILL FUNCTION AS DESIGNED AND PERMITTED.

REGISTERED CIVIL ENGINEER _____ DATE _____

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED ARE CORRECT TO THE BEST OF MY KNOWLEDGE.

REGISTERED SURVEYOR _____ DATE _____

GRADING AND DRAINAGE PLAN

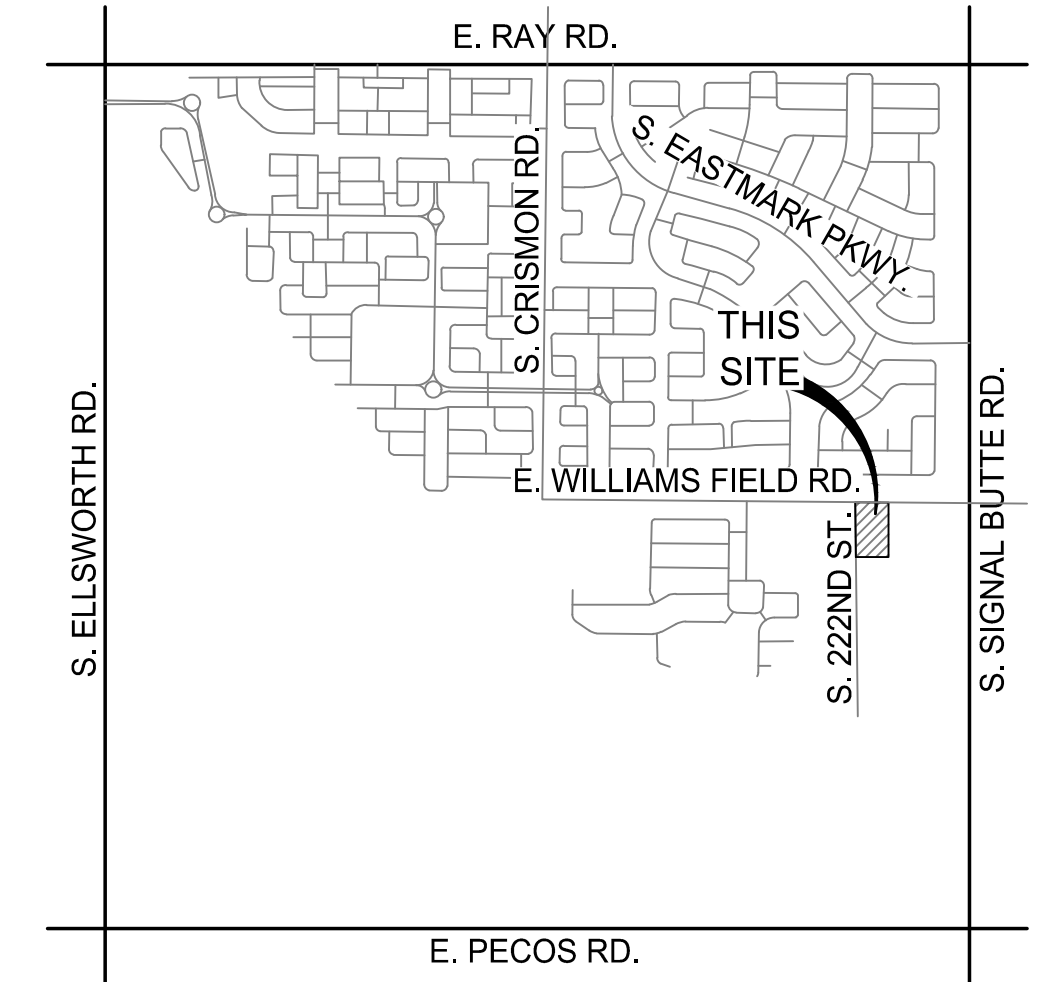
FOR

MESA ARIZONA EASTMARK GRANGER 250-4SC THE CHURCH OF JESUS CHRIST OF LATTER-DAYS SAINTS MESA AZ EASTMARK STAKE

A PORTION OF NORTHEAST QUARTER OF SECTION 35, TOWNSHIP 1
SOUTH, RANGE 7 EAST OF THE GILA & SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA

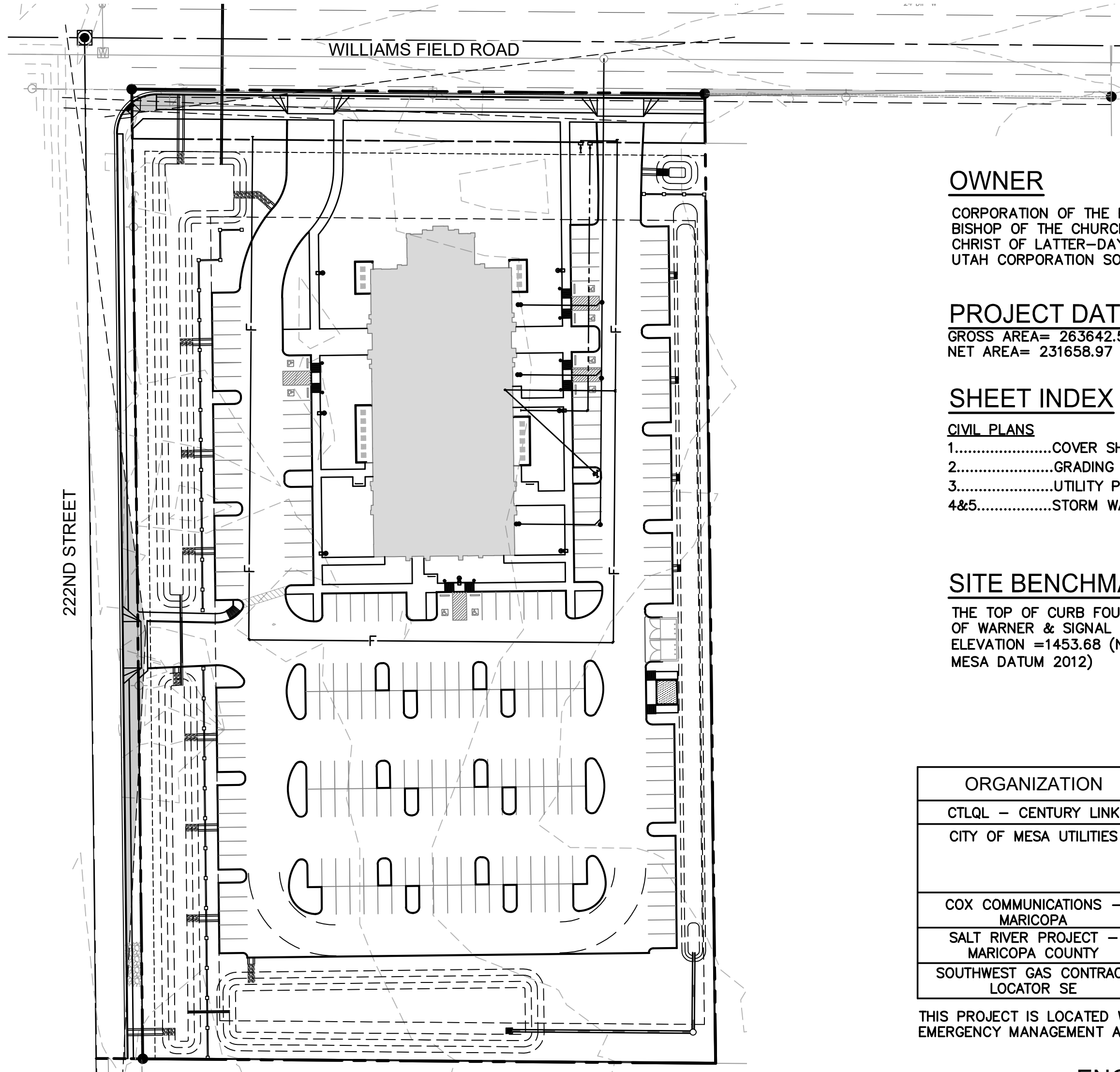
APN# 312-07-961

10621E. WILLIAMSFIELD ROAD, MESA, ARIZONA 85212



VICINITY MAP

N.T.S.



OWNER

CORPORATION OF THE PRESIDING
BISHOP OF THE CHURCH OF JESUS
CHRIST OF LATTER-DAY SAINTS, A
UTAH CORPORATION SOLE

PROJECT DATA

GROSS AREA= 263642.57 SF = 6.05 AC
NET AREA= 231658.97 SF = 5.32 AC

SHEET INDEX

- CIVIL PLANS**
- COVER SHEET
 - GRADING AND DRAINAGE PLAN
 - UTILITY PLAN
 - STORM WATER MANAGEMENT PLAN

SITE BENCHMARK

THE TOP OF CURB FOUND AT THE NE CORNER
OF WARNER & SIGNAL BUTTE
ELEVATION =1453.68 (NAVD 88 DATUM, CITY OF
MESA DATUM 2012)

ARCHITECT

SKETCH ARCHITECTURE COMPANY
2454 E SOUTHERN AVENUE, SUITE 110
MESA, ARIZONA, 85204
PHONE: 480-668-8015
FAX: 480-668-8032
CONTACT: MICHAEL ROBIN BENNING, AIA

ENGINEER

BABBITT SMITH ENGINEERING LLC
1152 EAST GREENWAY STREET, SUITE 2
MESA, ARIZONA 85203
TEL: (480) 610-1341
FAX: (480) 962-9034
CONTACT: DARREN SMITH
EMAIL: darren@babbittsmith.com

FLOOD ZONE

ACCORDING TO FEMA FLOOD INSURANCE RATE
MAP, MAP NUMBER 04013C2790L DATED
OCTOBER 16, 2013 THIS PROPERTY IS LOCATED
IN FLOOD ZONE "X"; AREAS OF 0.2% ANNUAL
CHANCE FLOOD HAZARD; AREAS OF 1% ANNUAL
CHANCE FLOOD WITH AVERAGE DEPTH LESS
THAN 1 FOOT OR WITH DRAINAGE AREAS OF
LESS THAN 1 SQUARE MILE.

ORGANIZATION	UTILITY TYPE	REPRESENTATIVE	PHONE NUMBER
CTLQL - CENTURY LINK	COAXIAL, FIBER OPTICS	USIC DISPATCH CENTER	(800)-778-9140
CITY OF MESA UTILITIES	ELECTRIC, FIBER OPTICS, GAS, RECLAIMED WATER, SEWER, STORM DRAINS, STREET LIGHTS, TRAFFIC SIGNALS, WATER	CHRIS MEHAN	(480)-215-2433
COX COMMUNICATIONS - MARICOPA	CATV, FIBER OPTICS	USIC DISPATCH CENTER	(800)-778-9140
SALT RIVER PROJECT - MARICOPA COUNTY	COMMUNICATIONS, ELECTRIC, FIBER OPTICS, IRRIGATION	SRP BLUE STAKE	(602)-236-8026
SOUTHWEST GAS CONTRACT LOCATOR SE	GAS	ELM LOCATING DISPATCH	(623)-780-3350

THIS PROJECT IS LOCATED WITHIN AN AREA DESIGNATED AS FLOOD ZONE "X" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. PANEL NOT PRINTED ON A FLOOD INSURANCE RATE MAP.

ENGINEER'S NOTES:

- THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON HIMSELF THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THE SAME WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THERE OF.

**GRANGER 250SC MEETINGHOUSE
RETENTION SUMMARY**

BASIN NO.	DRAINAGE AREA	RUNOFF COEFFICIENT	AREA (ACRES)	R _R (CF)	D (FT)	A ₁ (SF)	A ₂ (SF)	R _P (CF)	Excess (CF)	% excess
BASIN A	CENTER & SOUTH	0.78	3.31	20,655.79	3.0	10,935	5,329	24,396	3,740	18%
BASIN B	SOUTHWEST	0.76	0.74	4,500.11	2.0	5,954	1,953	7,907	3,407	76%
BASIN C	NORTHWEST	0.75	1.91	11,507.83	2.0	9,039	3,658	12,697	1,189	10%
BASIN D	NORTHEAST	0.70	0.09	490.58	2.0	519	64	583	93	19%
TOTAL			6.05	37154.31				45562.93	8,429	23%

100yr-2hr precipitation depth¹ 2.20= inches = 0.179 R

100yr-2hr precipitation
depth¹ inches feet
2.20 0.183

Retention Required (R_r)¹ = C x P/12 x A

Where: C = Weighted runoff coefficient
P = 100-year 2-hour rainfall depth
A = Contributing Area (SF)

Retention Provided (R_p) = [(A₁ + A₂) / 2] x D

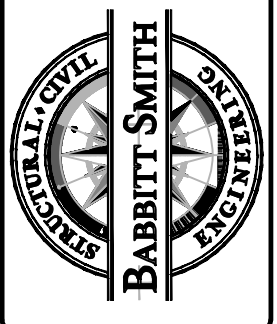
Where: A₁ = Basin Top Area (SF)
A₂ = Basin Bottom Area (SF)
D = Basin Depth (FT)

¹ NOAA

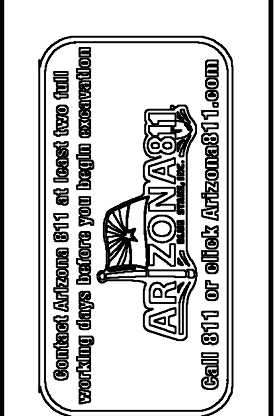
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REVISIONS:

Babbitt Smith Engineering
1140 E. Greenway St, Suite 2
Mesa, Arizona 85203
office: (480) 610-1341
direct: (480) 757-8021
cell: (480) 862-8240



GRADING AND DRAINAGE PLAN
PROJECT: 10621 E WILLIAMSFIELD RD
MESA ARIZONA EASTMARK GRANGER 250-4SC
MESA, ARIZONA

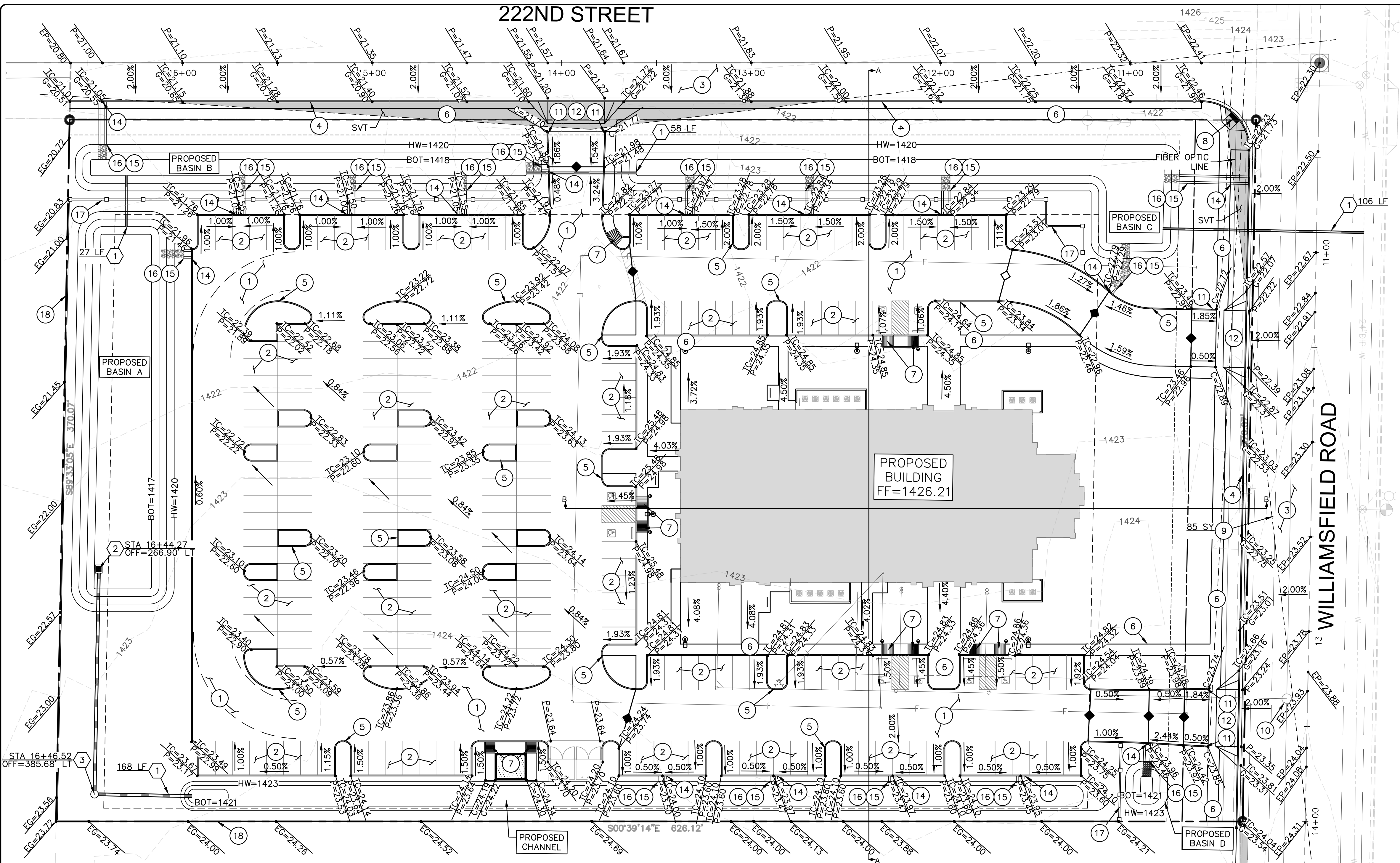


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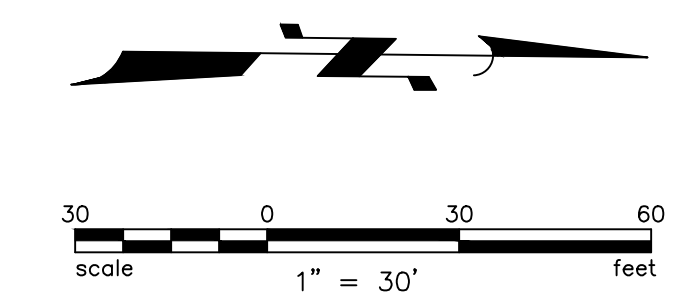
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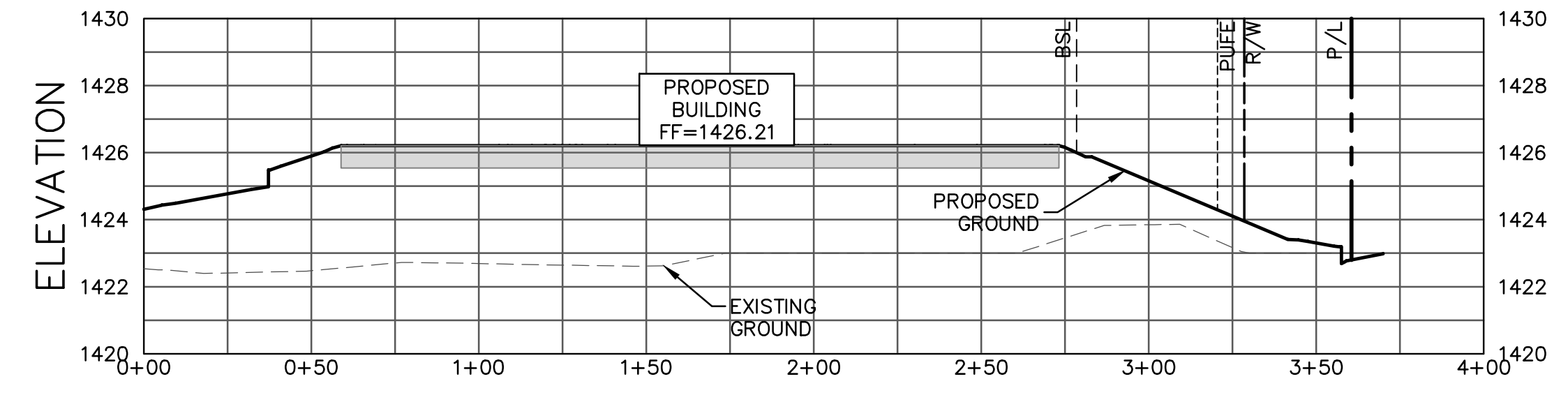


CONSTRUCTION NOTES

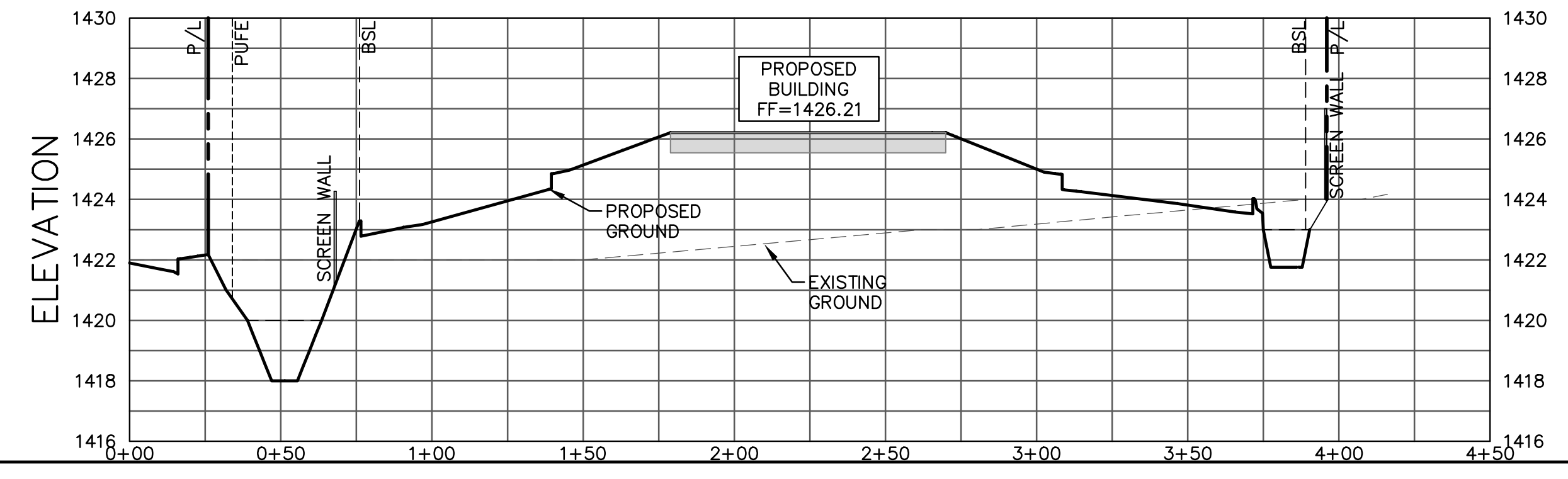
PAVING NOTES	
1	PAVEMENT 3" AC/6" ABC & COM DET M-19.1, M-19.2, M-19.3 5977 SY
2	PAVEMENT 2" AC/6" ABC & COM DET M-19.1, M-19.2, M-19.3 4256 SY
3	PAVEMENT FOR E. WILLIAMSFIELD RD. & 222ND ST. 2565 SY
4	CURB & GUTTER PER MAG 220-1, TYPE 'A' 991 LF
5	SINGLE CURB PER MAG 222, TYPE 'B' 3863 LF
6	SIDEWALK PER MAG 230, WIDTH PER PLANS 13232 SF
7	RAMP PER COM STD DTL M-44.05 11 EA
8	RAMP PER COM STD DTL M-44.04-1 1 EA
9	SAWCUT, REMOVE AND REPLACE EXISTING AC PAVEMENT, REPLACE PAVEMENT PER MAG SEC 336, FOR DTL SEE SHT 6 TO 8 85 SY
10	ADJUST FRAME & COVER TO GRADE, MAG 270, MAG 422 & SEC. 345 1 EA
11	CURB TERMINATION, MAG 222 5 EA
12	DRIVEWAY PER MESA STD DTL PER M-42 3 EA
13	TAPER PAVEMENT FROM LIP OF GUTTER AT PROPERTY LINE TO EXISTING 235 SY
EDGE OF PAVEMENT	
14	CURB OPENING 4'-6" WIDTH FOR SCUPPER PER MAG STD DTL 206-1 16 EA
15	INSTALL SCUPPER PER MAG STD DTL 206-1 16 EA
16	INSTALL RIP-RAP, D50=6" 486 SF
17	INSTALL SCREEN WALL PER ARCHITECT'S PLANS 320 LF
18	INSTALL SITE WALL PER ARCHITECT'S PLANS 887 LF
STORM DRAIN NOTES	
1	INSTALL 12" PVC SDR-35 DRAIN PIPE 359 LF
2	CATCH BASIN TYPE 'F' PER MAG STD DTL 533-3 & 535 1 EA
3	48" STORMDRAIN MANHOLE PER MAG STD DTL 520 1 EA



SECTION B-B



SECTION A-A



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GRADING AND DRAINAGE PLAN

PROJECT: 10621 E. WILLIAMSFIELD RD.
MESA ARIZONA EASTMARK GRANGER 250-45C
MESA, ARIZONA

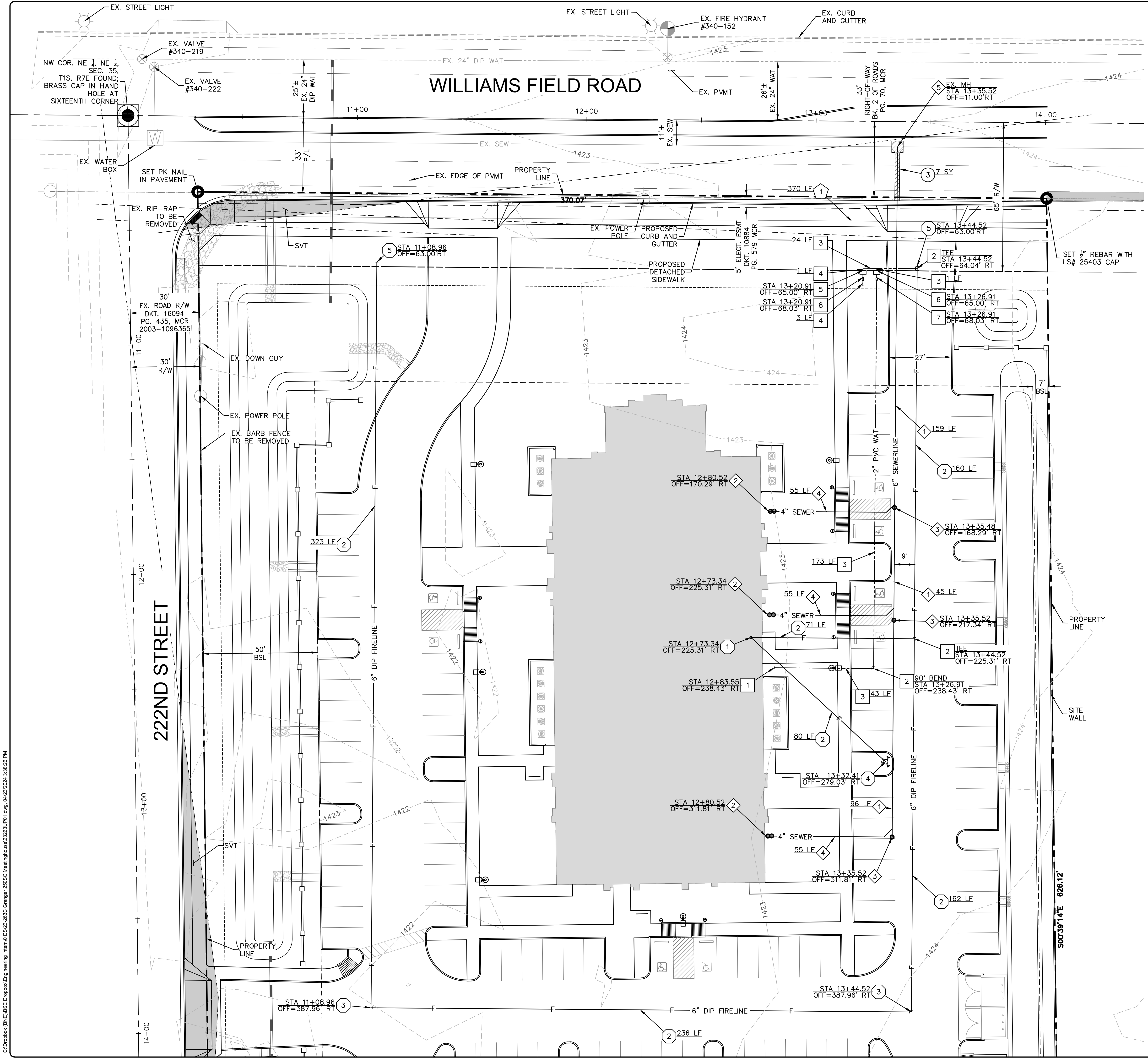
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WATER NOTES		
1	TERMINATE WATER SERVICE 5' FROM BUILDING STUB, PLUG AND CAP	1 EA
2	INSTALL BEND, TEE, OR CR CROSS WITH JOINT RESTRAINTS PER MAG	3 EA
STD DTL 380 & 381, PER TEE INSTALLATION M-52 REQUIRED		
3	2" SCH 40 PVC DOMESTIC LINE	241 LF
4	1" SCH 40 PVC IRRIGATION LINE	4 LF
5	1" LANDSCAPE SERVICE W/BOX & COVER, PER MESA STD DTL	1 EA
M-49.01, M-49.02.		
6	2" SINGLE WATER SERVICE, PER MESA STD DTL M-49.01, M-49.02 &	1 EA
M-49.03.		
7	2" BACKFLOW PER M-31.03	1 EA
8	1" BACKFLOW PER MESA STD DTL M-31.03	1 EA
FIRELINE NOTES		
1	INSTALL FD105 ON THE BUILDING, ADJACENT TO THE FIRE RISER ROOM	1 EA
2	6" DIP FIRELINE, CLASS 350 MIN. PER C.O.M. STD DTL. M-31.07	1032 LF
FOR INSTALLATION OF PRIVATE FIRE LINES. BACK FILL PER MAG		
SECTION 601		
3	INSTALL 6-INCH 90 BEND. THRUST BLOCKING PER MAG STD. DTL. 380	2 EA
4	INSTALL REMOTE FDC PER FD102	1 EA
5	CONNECT TO WATER MAIN IN WILLIAMSFIELD RD. ACCORDING TO CITY	2 EA
REQUIREMENTS.		
SEWER NOTES		
1	6" PVC (SDR-35) SEWERLINE, TRENCHING PER COM M-19.04	300 LF
2	INSTALL TWO-WAY CLEAN OUT, PER MAG 440-2	3 EA
3	INSTALL ONE-WAY CLEAN OUT, PER MAG 440-3	3 EA
4	4" SEWER SERVICE PER MAG STD DTL 44-1	165 LF
5	CONNECT TO EXISTING MANHOLE	1 EA
DRY UTILITIES		
1	INSTALL 2" FIBER OPTIC QUAD-DUCT BANK IN WILLIAMSFIELD FRONTAGE 370 LF	
PAVING NOTES		
13	SAWCUT, REMOVE AND REPLACE EXISTING AC PAVEMENT, REPLACE	7 SY
PAVEMENT PER MAG SEC 336		

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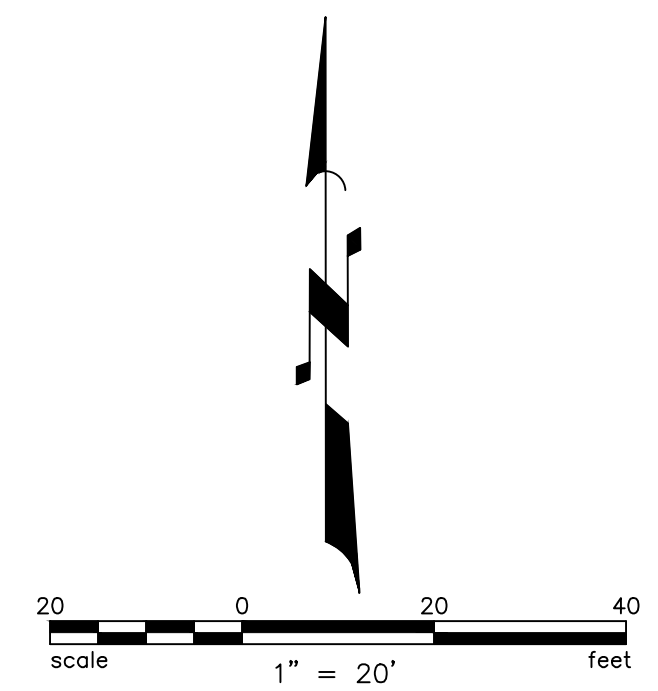
UTILITY PLAN
 PROJECT: 10621 E. WILLIAMSFIELD RD.
 MESA ARIZONA EASTMARK GRANGER 250-45C
 MESA, ARIZONA

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NOTES FOR STORM WATER MANAGEMENT PLAN

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THIS STORM WATER MANAGEMENT PLAN (SWMP), SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWMP SHALL BE CONSIDERED A PART OF THE SWMP.
2. PLANNING & DEVELOPMENT DEPARTMENT'S CIVIL/SITE INSPECTION GROUP SHALL BE NOTIFIED 48 HOURS BEFORE ANYON-SITE AND/OR OFF-SITE CONSTRUCTION BEGINS, AT (602) 262-7811.
3. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM MARICOPA COUNTY HEALTH DEPARTMENT AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.
4. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL TO A HALF OF AN INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWMP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATOR'S REPORT IS TO BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. THE OPERATOR SHALL AMEND THIS PLAN AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS WHICH BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.
6. THE PERMITTEE SHALL FILE A NOTICE OF TERMINATION (N.O.T.) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE N.O.T. IS TO BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR TO FINAL THE SWMP PERMIT.
7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE NOI, SWMP, NOT, AND THE INSPECTION REPORTS, ON FILE FOR MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE NOT.
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE N.O.T. IS SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR.
9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. PLAN APPROVAL IS VALID FOR 180 DAYS. PRIOR TO PLAN APPROVAL EXPIRATION, ALL ASSOCIATED PERMITS SHALL BE PURCHASED OR THE PLANS SHALL BE RESUBMITTED FOR EXTENSION OF PLAN APPROVAL. THE EXPIRATION, EXTENSION, AND REINSTATEMENT OF CIVIL ENGINEERING PLANS AND PERMITS SHALL FOLLOW THE SAME GUIDELINES AS THOSE INDICATED IN THE PHOENIX BUILDING CONSTRUCTION CODE ADMINISTRATIVE PROVISIONS SECTION 105.3 FOR BUILDING PERMITS.

STORM WATER MANAGEMENT PLAN

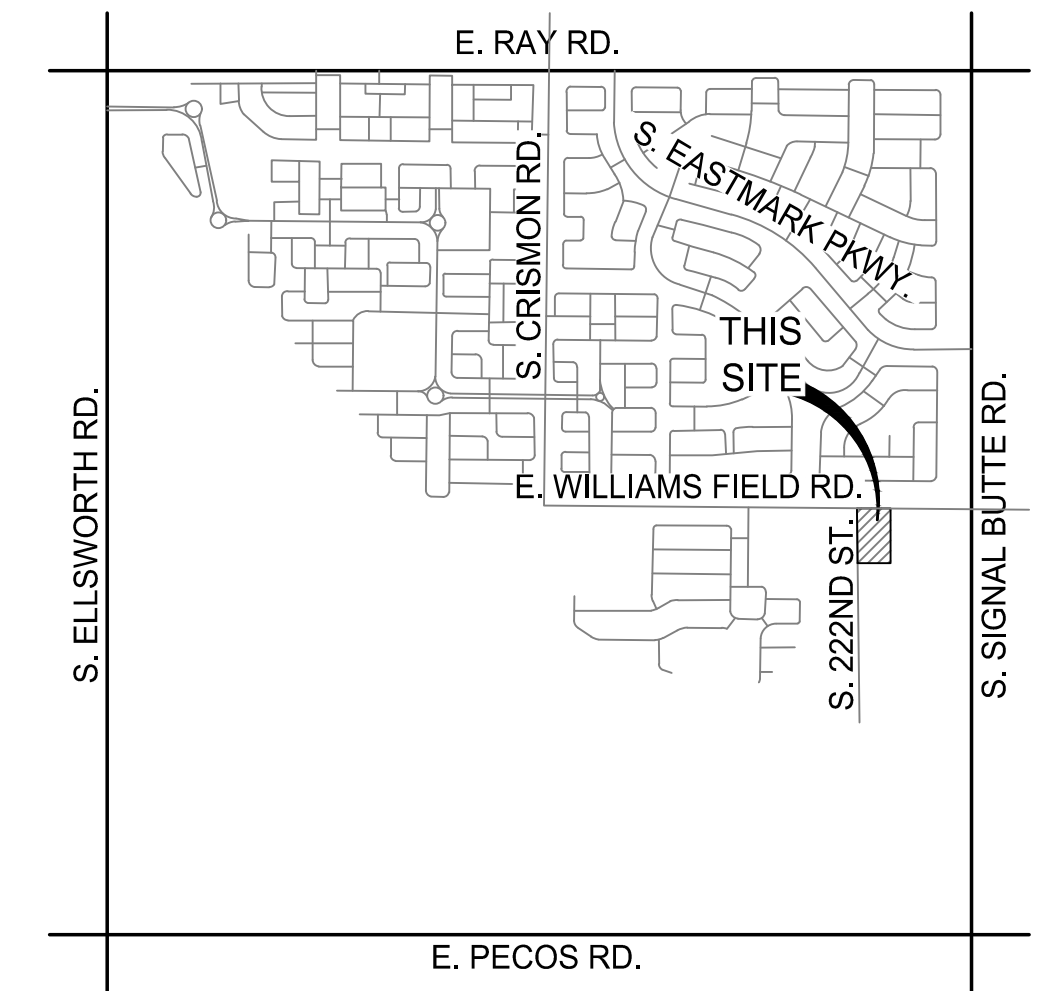
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MESA ARIZONA EASTMARK GRANGER 250-4SC

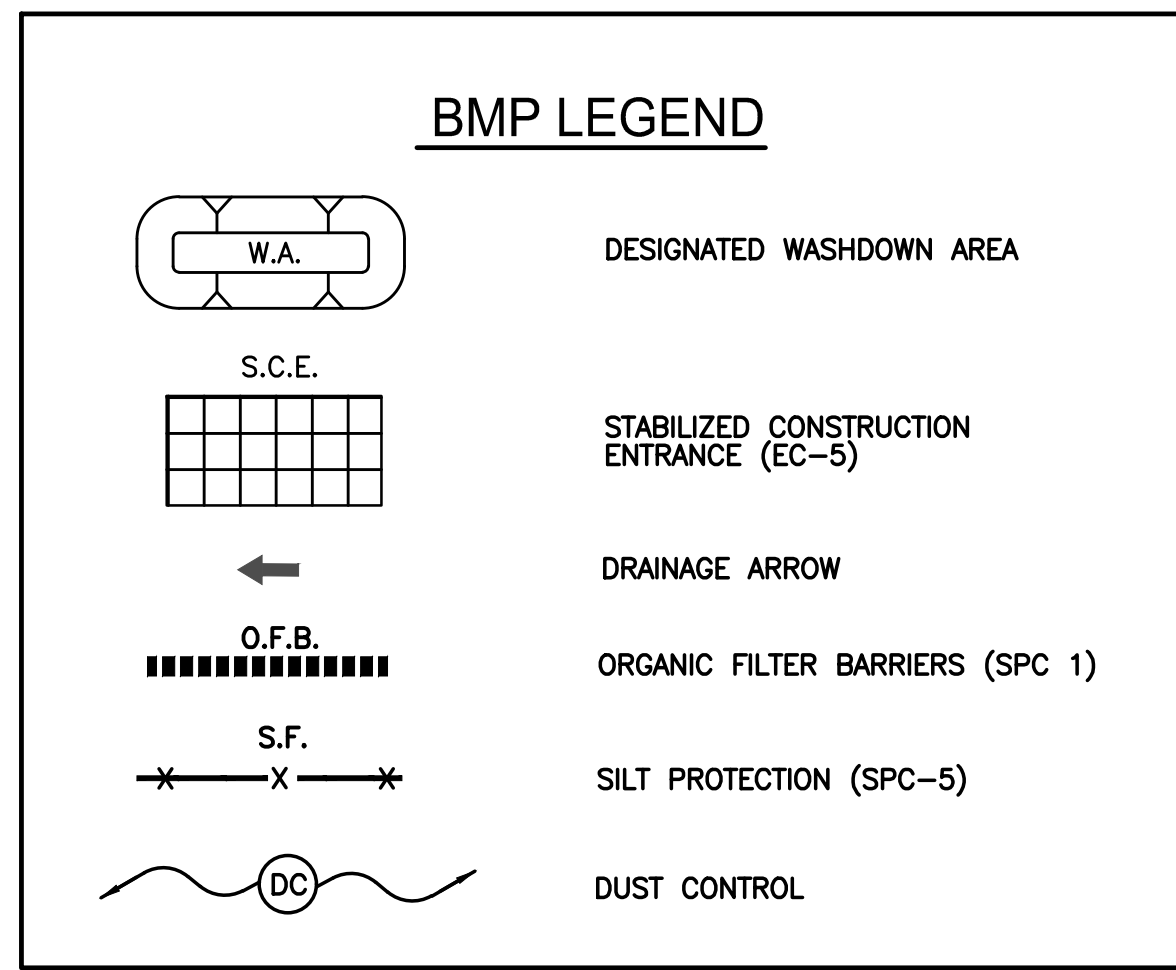
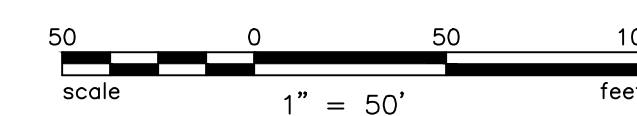
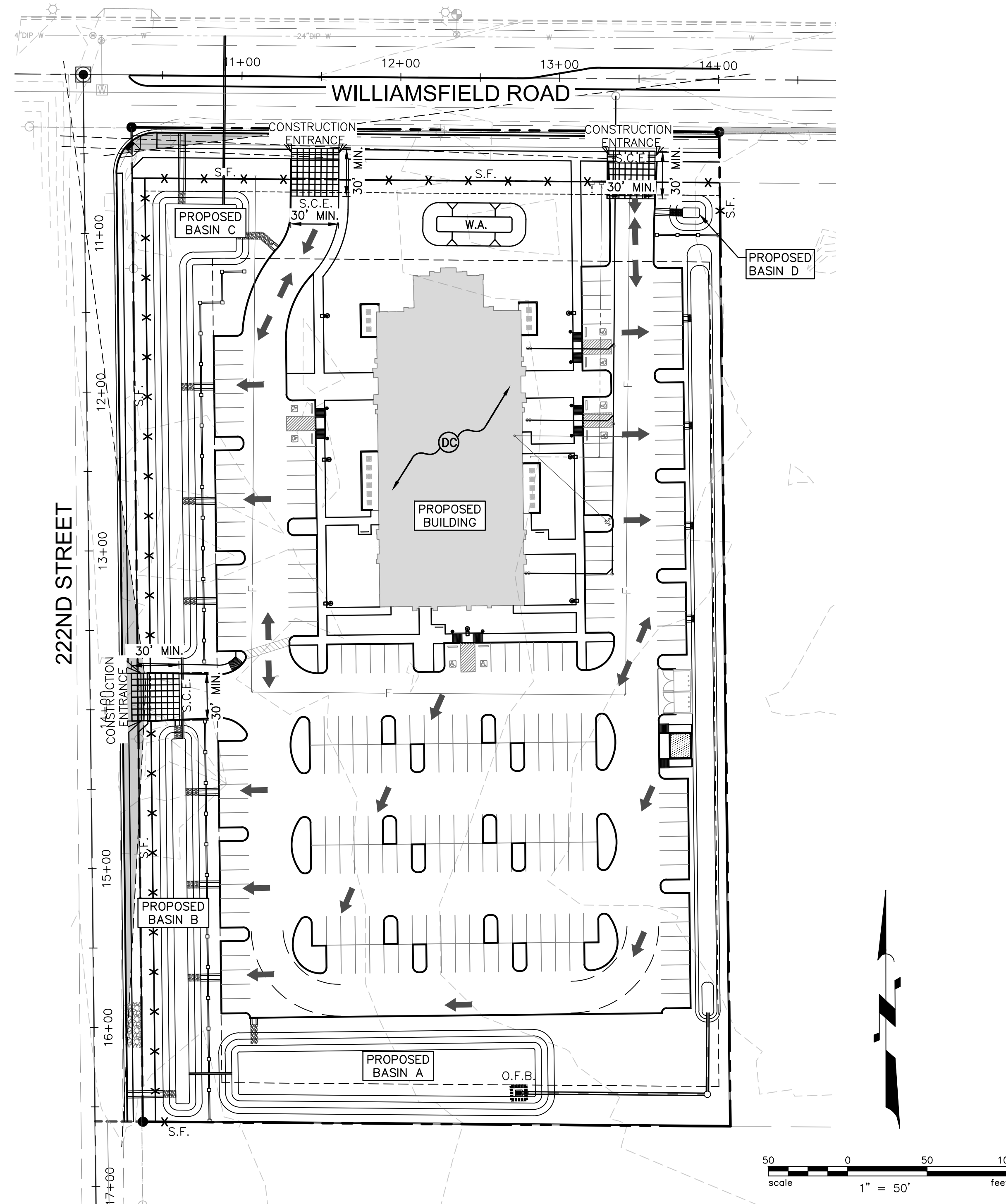
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MARICOPA COUNTY, ARIZONA
APN# 312-07-961
10621E. WILLIAMSFIELD ROAD, MESA, ARIZONA 85212

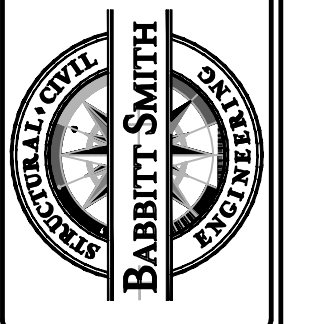


VICINITY MAP
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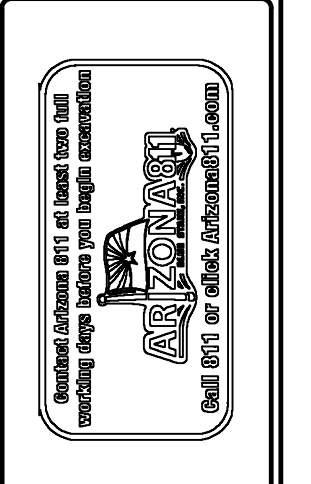


REVISIONS:

Babbitt Smith Engineering
1140 E. Greenway St, Suite 2
Mesa, Arizona 85203
office: (480) 610-1341
direct: (480) 757-8021
cell: (480) 862-8240



STORM WATER MANAGEMENT PLAN
PROJECT: 10621 E. WILLIAMSFIELD RD.
MESA ARIZONA EASTMARK GRANGER 250-4SC
MESA, ARIZONA



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DARREN E. SMITH
4/23/24
MESA, ARIZONA, U.S.A.

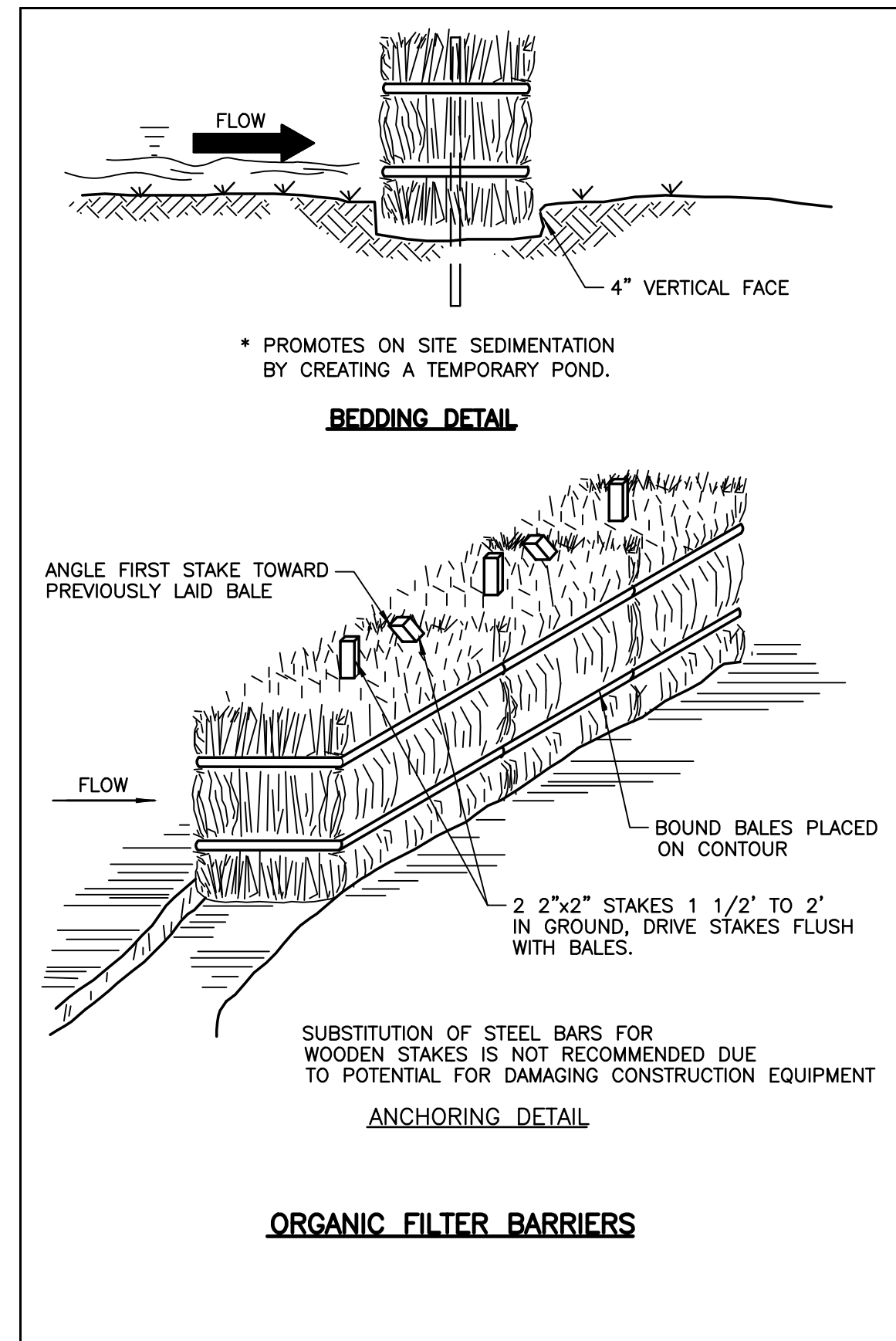
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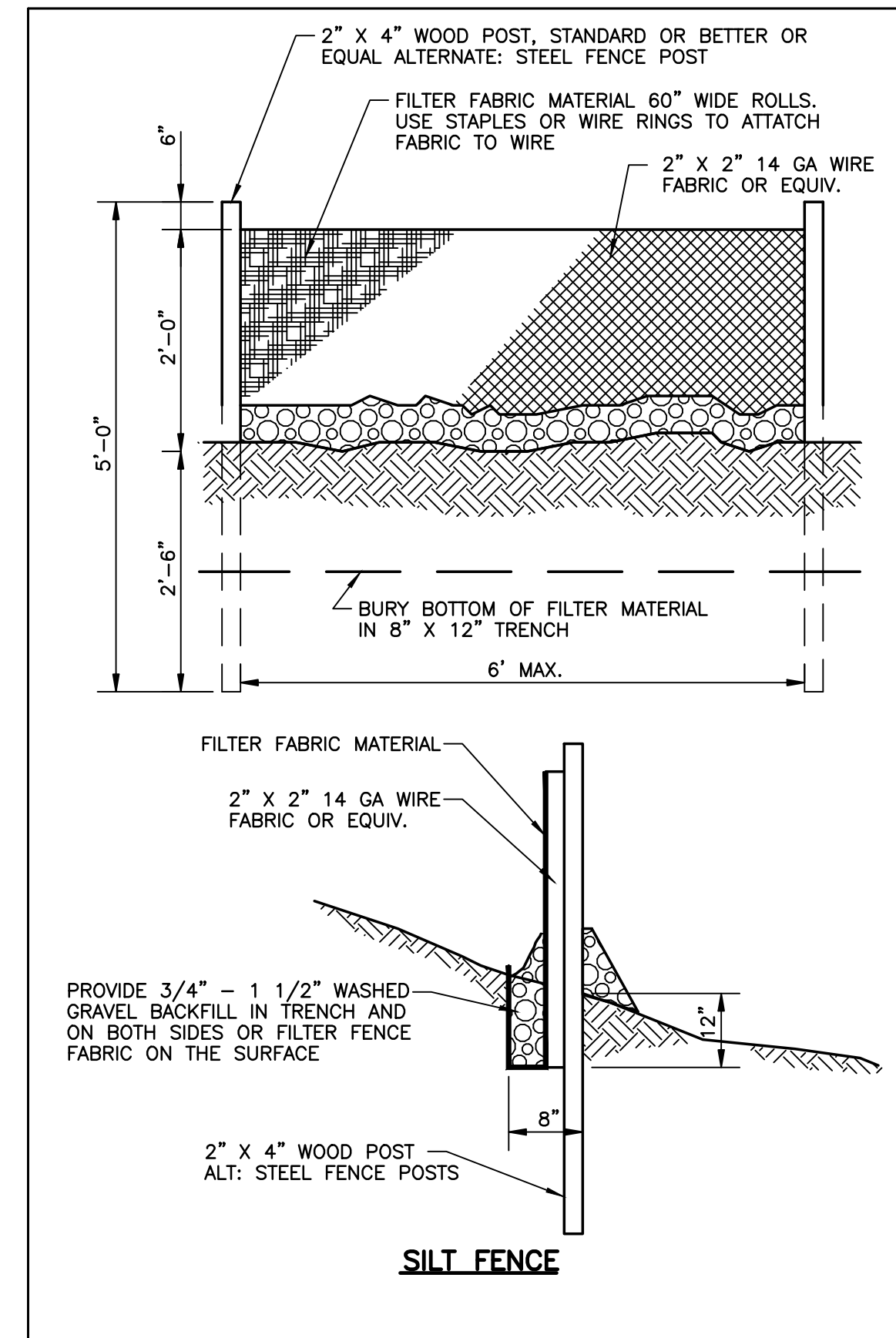
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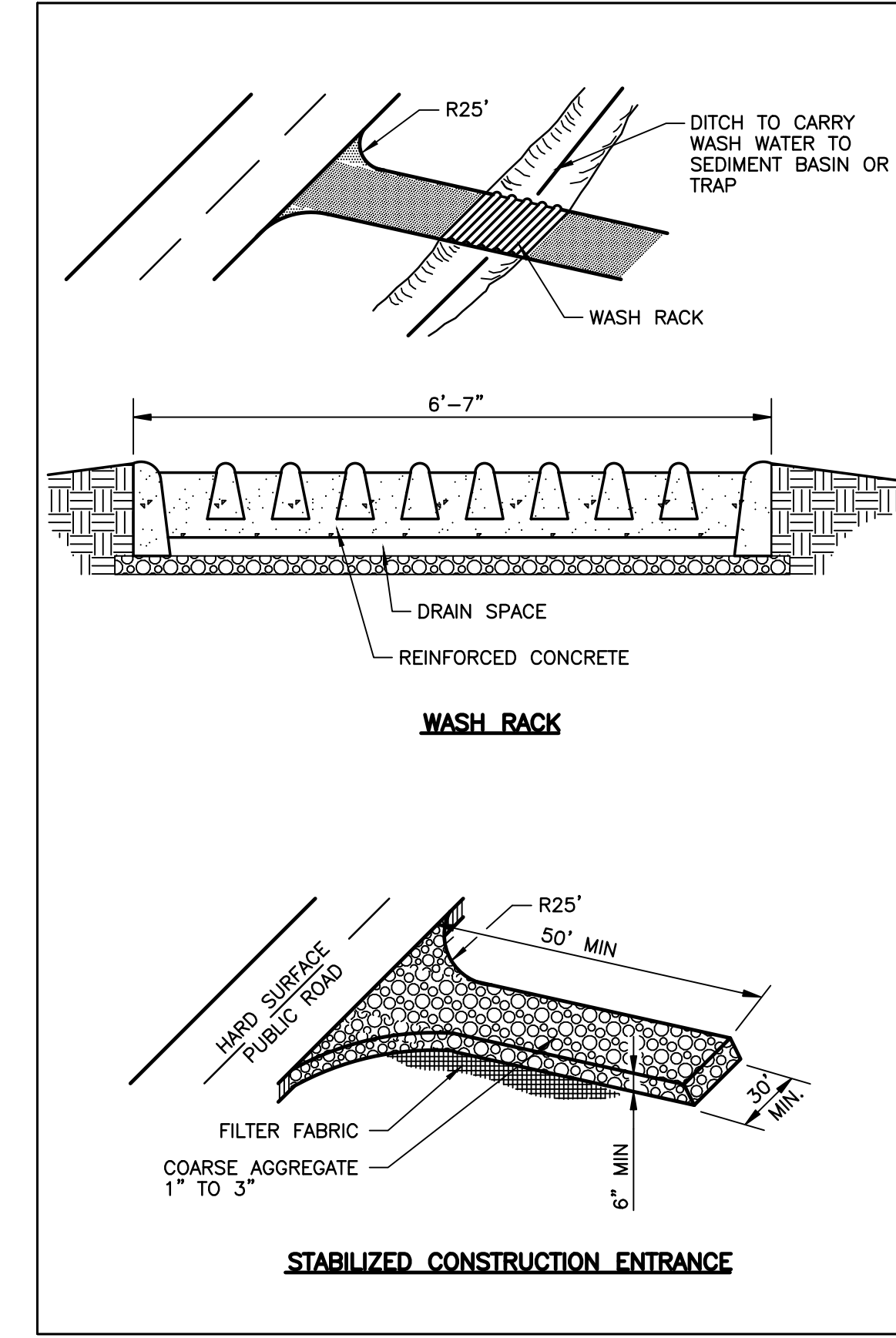
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SPC-5



EC-5

SYMBOL	DESIGNATED WASHDOWN AREA	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY 1 OF 2
DIAGRAM		CONDITIONS WHERE PRACTICE APPLIES --- PERIMETER CONTROL --- SLOPE PROTECTION --- SEDIMENT TRAPPING --- DRAINAGEWAY & STREAM PROTECTION --- TEMPORARY STABILIZATION --- PERMANENT STABILIZATION & EXPOSURE LIMITS * NON-SEDIMENT POLLUTION CONTROL
DEFINITION Procedures and practices that are designed to minimize or eliminate the discharge of concrete waste materials to the storm drain systems of watercourses.		
PURPOSE Designated washdown areas and associated procedures ensure the proper washout of concrete trucks, tools, and equipment and prevents fresh concrete or cement laden mortar from entering a storm drainage system.		
APPROPRIATE APPLICATIONS Concrete waste management procedures and practices are implemented on construction projects where concrete is used as a construction material or where concrete dust and debris result from demolition activities. • Where slurries containing Portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from sawcutting, coring, grinding, grooving, and hydro-concrete demolition. • Where mortar-mixing stations exist. • Where concrete trucks and other concrete-coated equipment are washed on site.		

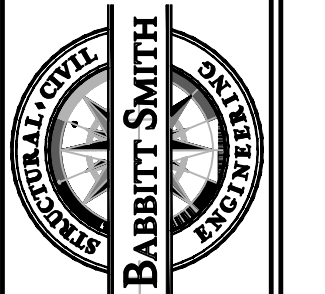
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SYMBOL	DESIGNATED WASHDOWN AREA	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY 2 OF 2
PLANNING CONSIDERATIONS • Educate employees, subcontractors, and suppliers on the concrete waste management techniques described herein. • The site supervisor or designated personnel should oversee and enforce concrete waste management procedures.		
Onsite Temporary Concrete Washout Facility Procedures • Temporary concrete washout facilities should be located a minimum of 50 feet from storm drain inlets, open drainage facilities, and watercourses, unless determined infeasible by the site supervisor. Each facility should be located away from construction traffic or access areas to prevent disturbance or tracking. • Temporary concrete washout facilities should be constructed above grade or below grade at the option of the contractor and have sufficient quantity and size to contain all liquid and concrete waste generated by washout operations. • Perform washout of concrete mixer trucks in designated areas only. A sign should be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities. • Wash concrete only from mixer truck chutes into approved concrete washout facility. Washout may be collected in an impermeable bag for disposal.		
RECOMMENDED MAINTENANCE AND INSPECTION • Monitor on site concrete waste storage and disposal procedures at least weekly. • Monitor concrete working tasks, such as saw cutting, coring, grinding and grooving to ensure proper methods are employed.		

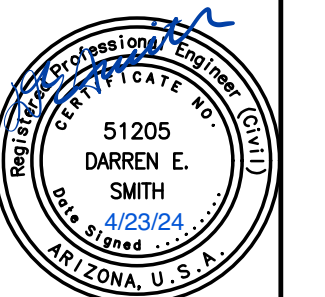
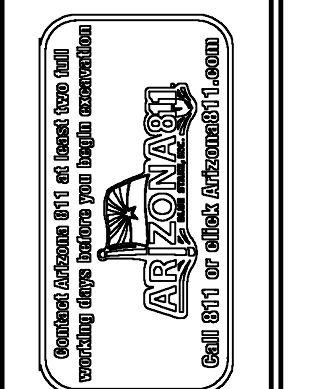
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REVISIONS:

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 1140 E. Greenway St, Suite 2
 Mesa, Arizona 85203
 office: (480) 610-1341
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 MESA ARIZONA EASTMARK GRANGER 250-4SC
 MESA, ARIZONA



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SHEET NO.

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