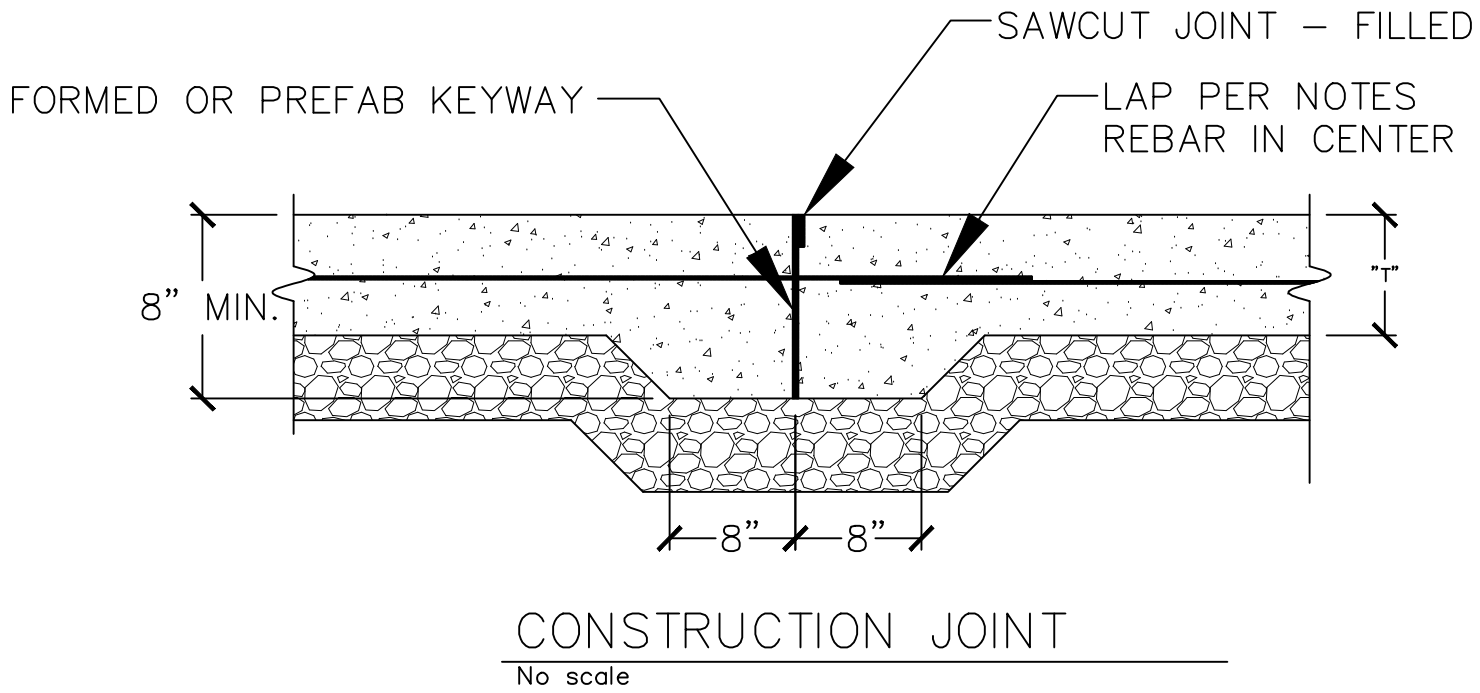
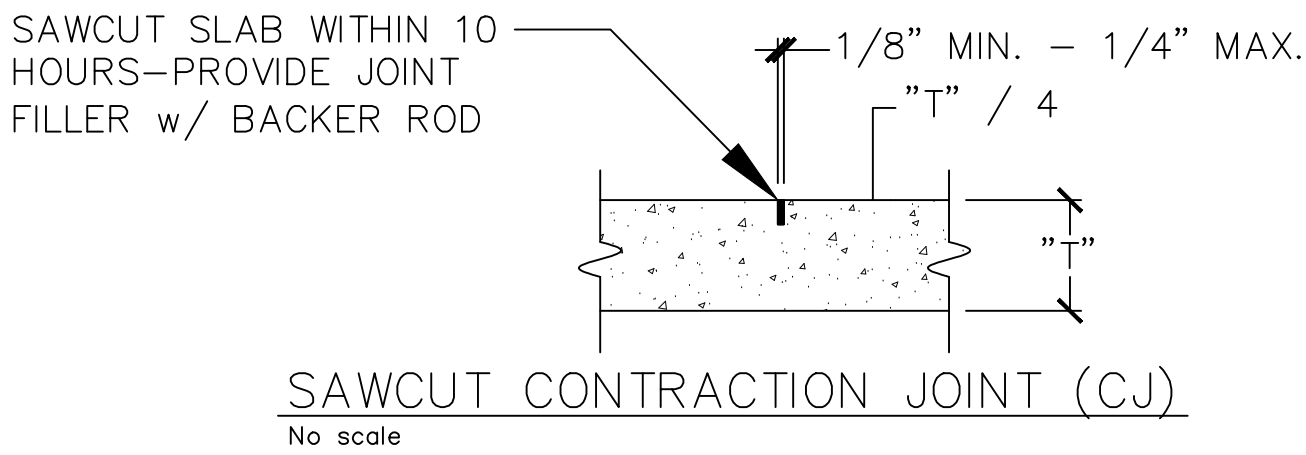
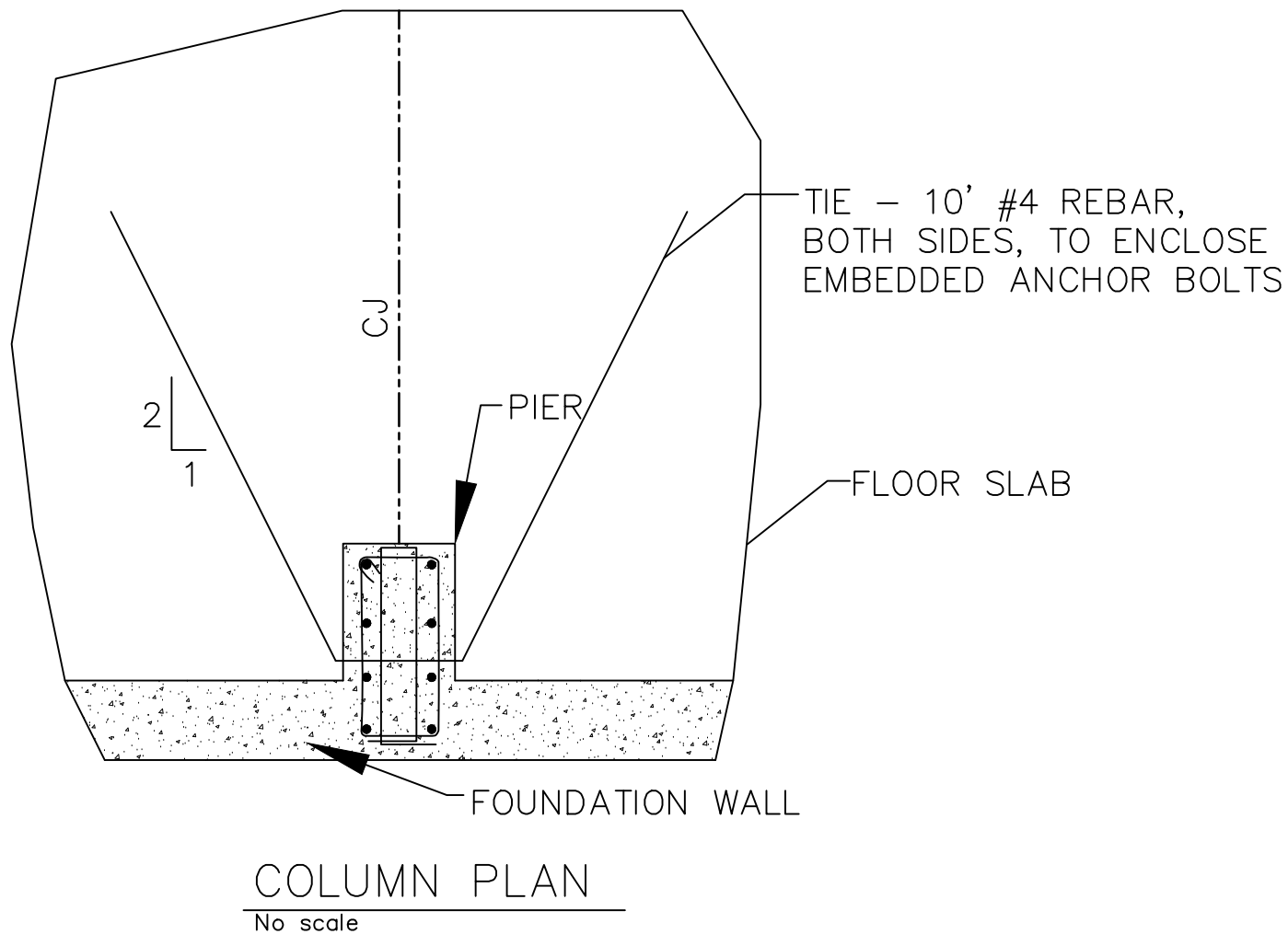
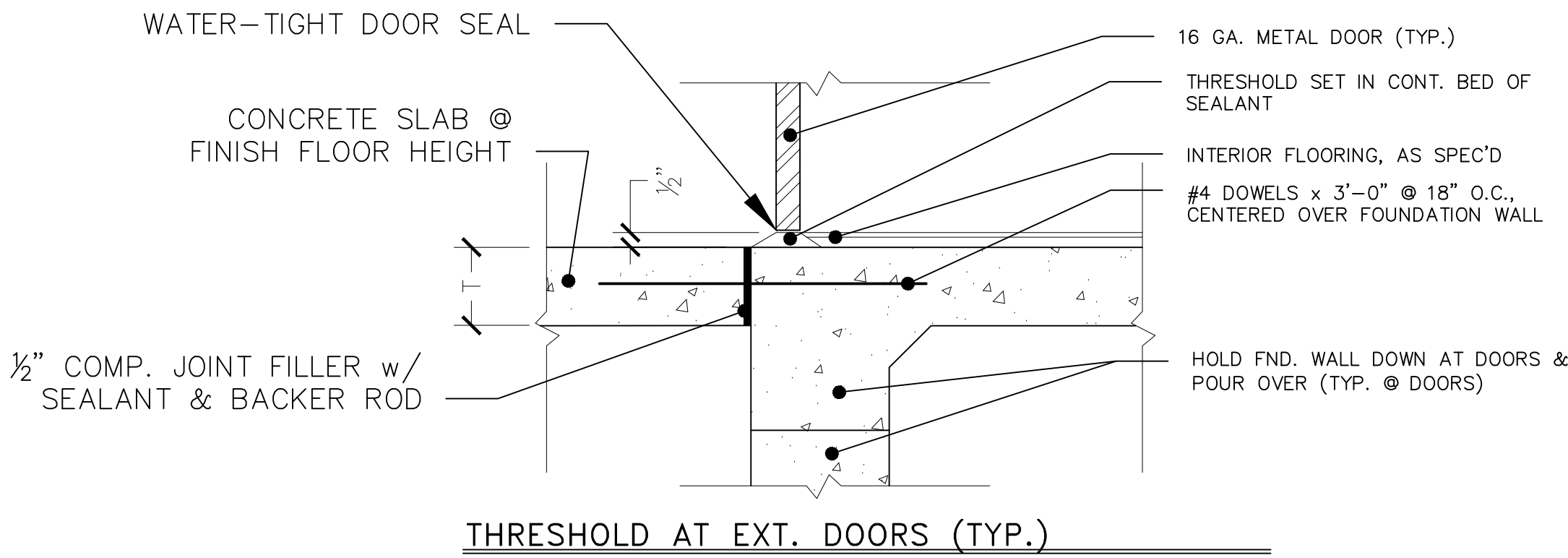
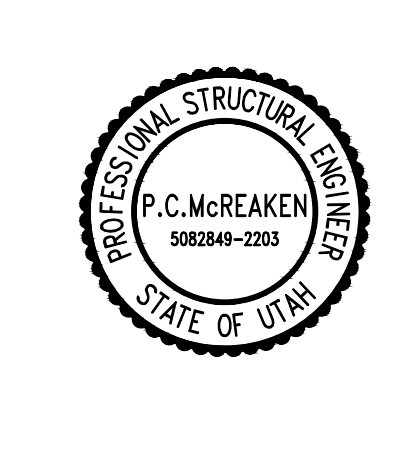


SPECIAL INSPECTION & TESTING SCHEDULE ^{1,2}				
ESTABLISHED PER 2009 IBC SEC. 110 & CHAP. 17				
ITEM	CONTINUOUS ¹	PERIODIC ¹	REFERENCES	COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2 & 1704.3)			NOTES P1, P2, P3 & P4	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2) P3. FOR FABRICATION ON SITE, APPLY SPECIAL INSPECTION PROCEDURES SHOWN IN IBC TABLE 1704.3, WITH FREQUENCIES AND REFERENCES AS SHOWN IN THE TABLE. P4. A325 AND A490 HIGH STRENGTH BOLTS---PERIODIC---VERIFY THAT CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER AND PROPERLY SNUGGED. FIELD WELDED FILLET WELDS---PERIODIC---VISUAL VERIFICATION. FIELD WELDED COMPLETE OR PARTIAL PENETRATION WELDS---CONTINUOUS---TEST EACH WELD PER AWS D1.1.
REINFORCING STEEL				S1. WELDING INSPECTIONS SHALL BE IN COMPLIANCE WITH AWS D1.1
WELDING OF REINFORCING STEEL	●	●	NOTE S1	
SHEAR REINFORCING	●			
OTHER REINFORCING		●		
CONCRETE CONSTRUCTION (IBC 1704.4)			NOTE C1 & IBC TABLE 1704.4	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1704.4 ARE MET. C2. PERIODIC INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706 IN ACCORDANCE WITH ANSI / AWS D1.4. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE. C3. PERFORM AIR SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST. C4. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH FOR POST-TENSIONED CONCRETE PRIOR TO TENSIONING TENDONS OR REMOVING SHORING OR FORMS. C5. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT-ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICBO RESEARCH REPORT NUMBERS.
REINFORCING STEEL PLACEMENT	●	●	NOTE C2	
WELDING OF REINFORCING STEEL	●			
EMBEDDED BOLTS & PLATES	●	●		
VERIFYING REQUIRED DESIGN MIX	●	●	NOTE C3	
CONCRETE PLACEMENT / SAMPLING	●			
CURING TEMPERATURE / TECHNIQUES		●		
PRESTRESSED CONCRETE				
APPLICATION OF PRESTRESSING FORCES	●			
GROUTING BONDED TENDONS	●		SEISMIC FORCE RESISTING SYS	
ERECTION OF PRECAST MEMBERS		●		
VERIFICATION OF IN-SITU STRENGTH		●	NOTE C4	
EPOXY / EXPANSION ANCHOR PLACEMENT	●		NOTE C5	
SOILS (IBC 1704.7)			NOTE F1	F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. F2. SPECIAL INSPECTION OF ENGINEERED FILL AS DETERMINED BY GEOTECHNICAL ENGINEER OF RECORD, SEE GEOTECHNICAL REPORT FOR THIS PROJECT F3. SPECIAL INSPECTIONS ARE NOT REQUIRED DURING PLACEMENT OF FILL LESS THAN 12 INCHES DEEP.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	NOTE F1	
ENGINEERED FILL		●	NOTE F2	
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIALS		●	NOTE F3	
CLASSIFY AND TEST CONTROLLED FILL MATERIALS		●	NOTE F3	
PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	●		NOTE F1	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL		●	NOTE F1	
GENERAL SPECIAL INSPECTION NOTES -- TO BE PERFORMED AS REQUIRED BY BUILDING OFFICIAL:				
1. THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIALS SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS ON A MONTHLY BASIS DIRECTLY TO THE ARCHITECT-ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND ARCHITECT-ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS. SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING THAT THE SPECIAL INSPECTION WORK WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE PLANS, SPECIFICATIONS AND APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC. IN ADDITION TO REQUIREMENTS SHOWN IN THE ABOVE CHART, THE FOLLOWING SPECIAL INSPECTION REQUIREMENTS WILL APPLY.				
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.				
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 1702)				

ALL THIRD-PARTY INSPECTIONS TO BE PERFORMED OR SEPARATELY CONTRACTED FOR BY OCSD



Client Information
Name: Ogden City School District
Project No.: 2-027
Location: 1950 Monroe
Ogden, Utah 84401



McREAKEN ENGINEERING
2107 East 25 South, Layton, Utah 84040
801-544-1330 / 801-641-9150

Revisions

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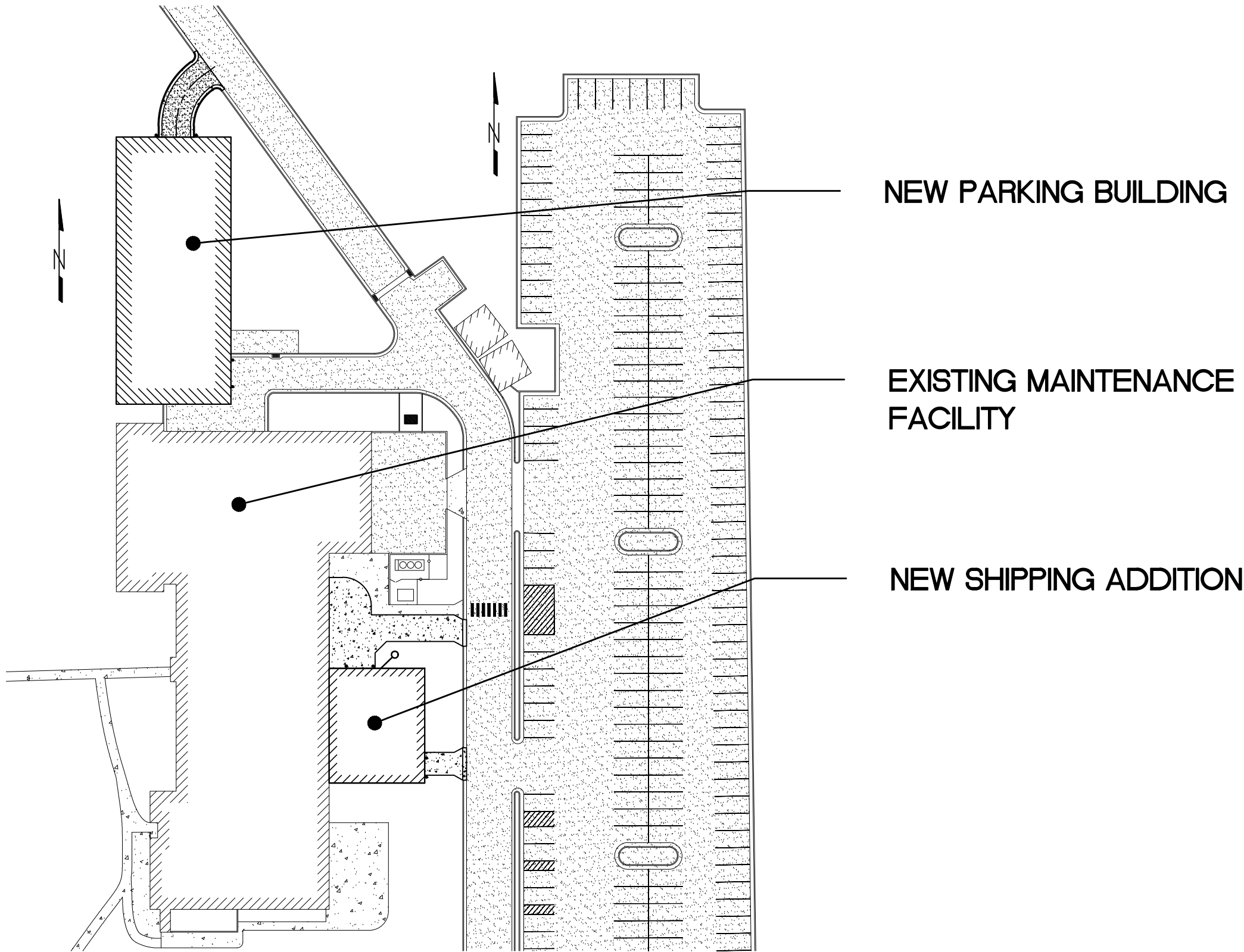
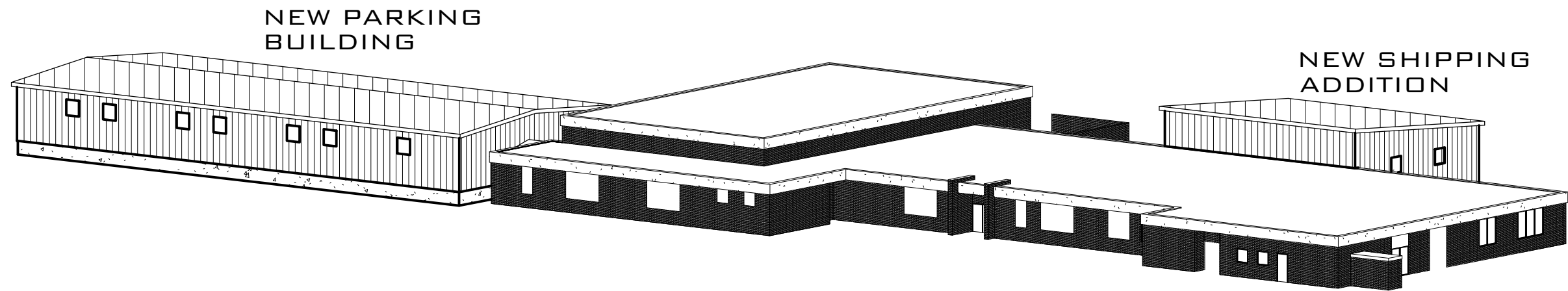
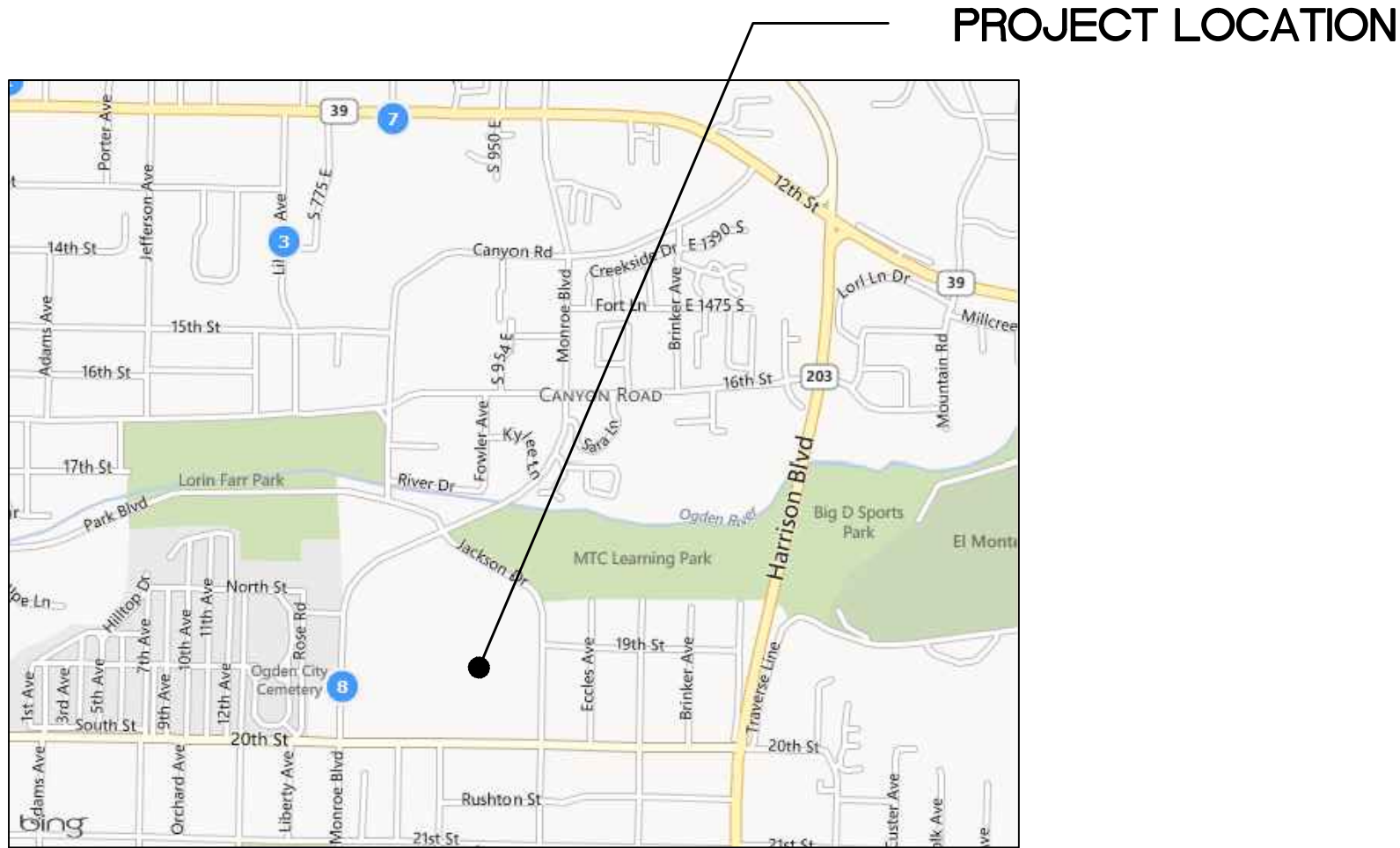
SHEET S-4
Foundation Notes & Details

Issued - 15 February 2013

Addn to Ogden City School District Maint Fac

1950 Monroe Blvd.
Ogden, Utah

CONTACT: Mr. Jared Cherry
2444 Adams Ave.
Ogden, Utah
801-430-1293



GENERAL NOTES & CONDITIONS

- THE CONTRACTOR ASSUMES FULL RESPONSIBILITY TO VERIFY THE CONDITIONS, DIMENSIONS, AND STRUCTURAL DETAILS OF THE BUILDING PROJECT PRIOR TO STARTING ANY STAGE OF CONSTRUCTION. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR PROBLEMS THAT MAY ARISE DUE TO POSSIBLE ERRORS ON THESE PLANS AND SHALL BRING THESE ISSUES TO THE ARCHITECT-ENGINEER'S ATTENTION IN A TIMELY MANNER FOR RESOLUTION. USE OF THESE PLANS CONSTITUTES ACKNOWLEDGMENT AND ACCEPTANCE OF THESE TERMS
- WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED AND GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF THE VARIOUS TRADES TO EXPEDITE THE JOB IN A SMOOTH AND CONTINUOUS PROCESS.
- UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE CONTRACT DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE.
- ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DRAWINGS AND / OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC), MUNICIPAL OR COUNTY ZONING ORDINANCES, PUBLIC WORKS ENGINEERING DIRECTIVES, UTAH STATE CODES, LATEST EDITIONS THEREOF.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF AND THE SAFETY IN AND AROUND THE JOB SITE AND ON ADJACENT PROPERTIES.
- THE GENERAL CONTRACTOR SHALL AT ALL TIMES KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN.
- COMPLIANCE WITH CODES AND ORDINANCES GOVERNING THE WORK SHALL BE PROVIDED AND ENFORCED BY THE GENERAL CONTRACTOR.
- WHERE CONFLICT EXISTS, WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE AND SPECIFICATIONS/NOTES TAKE PRECEDENCE OVER DRAWINGS.
- MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF MATERIALS AND EQUIPMENT SHALL BE FOLLOWED.
- CONTRACTOR SHALL ASCERTAIN WHETHER SPECIAL ENGINEERING STUDIES ARE REQUIRED FOR THE LOT TO BE BUILT UPON FROM THE BUILDING OFFICIAL AND SHALL OBTAIN SUCH STUDIES AS PART OF THE BUILDING PERMIT PROCESS.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING AND REROUTING EXISTING UTILITY LINES AS REQUIRED.
- DESIGN BUILD**. PROJECT IS "DESIGN BUILD" AND WILL NECESSARILY REQUIRE SOME SUBMITTALS TO BE PROVIDED BY CONTRACTOR TO BUILDING OFFICIAL, AND WILL BE SUBMITTED PRIOR TO CONSTRUCTION ACTIVITIES AFFECTING THOSE ELEMENTS OF CONSTRUCTION. DESIGN-BUILD REQUIREMENT IS TO ENABLE EARLY CONSTRUCTION ITEMS TO BE INITIATED TO SUPPORT PROJECT SCHEDULE.
- CONTRACTOR ASSURANCE**. THIS PROJECT PROVIDES THE STRUCTURAL SUPPORT FOR A FACILITY BEING CONSTRUCTED IN ACCORDANCE WITH A PRE-ENGINEERED METAL BUILDING (PEMB) DESIGN, TO BE PROVIDED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO ASSURE THAT REQUIREMENTS OF THESE DRAWINGS AND THE PEMB PLAN, WHEN RECEIVED, ARE FULLY INTEGRATED. CONTRACTOR TO GIVE SPECIAL CARE TO ASSURE THE PEMB BOLT PATTERNS AND LAYOUTS ARE WELL INTEGRATED WITH THIS PLAN AND ITS FOUNDATION PLAN.
- PRE-ENGINEERED METAL BUILDING MANUFACTURER'S CERTIFICATION**. BUILDING MANUFACTURER SHALL CERTIFY BY UTAH STATE STRUCTURAL ENGINEERING STAMP AND SIGNATURE THAT SUPPLIED METAL BUILDING ADEQUATELY MEETS ALL REQUIREMENTS FOR SUPPORTING THE FACILITY DESIGNED HEREIN, INCLUDING MECHANICAL EQUIPMENT, ARCHITECTURAL FEATURES AND FACADES, WALL SYSTEMS, AND ALL OTHER REQUIREMENTS AS SHOWN ON PLANS HEREIN.
- QUALIFIED PEMB PROVIDERS**. METAL BUILDING MANUFACTURER/PROVIDER MUST BE LISTED ON UTAH STATE DFCM LIST OF APPROVED FABRICATORS, CURRENT YEAR.
- PEMB CONTRACTOR QUALIFICATIONS**. CONTRACTOR SHALL HAVE, 1) GENERAL CONTRACTOR'S LICENSE; 2) ALL INSURANCES REQUIRED BY STATE LAW; 3) MINIMUM 5 YEARS OF ERECTION EXPERIENCE; 4) CERTIFIED PERSONNEL FOR ERECTION, SEAMS AND SEALANTS; 5) PERSONAL PROTECTIVE FALL GEAR; 6) ACCREDITATION WITH A STEEL BUILDING MANUFACTURER OR BUILDER DEALER FOR METAL BUILDINGS THAT HAVE MEMBERSHIP WITH METAL BUILDING MANUFACTURER'S ASSOCIATION (MBMA); AND, 7) AN AVAILABLE LIST OF COMPLETED METAL BUILDING PROJECTS.

DESIGN CRITERIA			
Governing Code		2009 IBC	
Seismic Criteria		ZONE D	
		Occ. Cat. II	
		Fa = 1.00	
		Ss = 1.405g	
Wind Speed (3-second gust)		90 MPH	
		Exposure C	
		I = 1.00	
Roof Loads	Dead	5 PSF	
	Snow	30 PSF	
	Live	75 PSF(6"1/100 PSF(8")	
Floor Loads	Dead	50 PSF & 2,000/ POINT	
Ground Snow Load		43 PSF	
Soil Bearing Pressure		1500 PSF	
Frost Depth		30 inch	
Building Occupancies		S-2(Park)/B, F-1, S-1(other)	
Type Construction		Type IIB(Park)/IIB(other)	
Fire Sprinklers		Not Required	
Area Allowance (IBC Table 503)		26,000SF(Park)/29,040SF(other)	
Actual Total Footprint		8,400SF(Park)/28,059SF(other)	
Height Allowance		3 STORY(Park)/2 STORY(other)	
Height Actual		1 STORY	
Required Fire Ratings		SEE IBC REVIEW BELOW	

- IBC CODE REVIEW--FIRE SAFETY**
- ALL BUILDINGS THIS PROJECT TO BE PRE-ENGINEERED METAL BUILDINGS. PARKING BUILDING TO BE TYPE IIB CONSTRUCTION, AND OTHER BUILDING (SHIPPING + EXISTING) TO BE TYPE IIB CONSTRUCTION.
 - THERE ARE NO NEW LOAD-BEARING WALLS BEING CONSTRUCTED AND EXISTING BUILDING EXTERIOR LOAD-BEARING WALLS ARE AT LEAST 2-HOUR RATED. SEPARATION OF PARKING BUILDING AND EXISTING BUILDING IS 10 FEET. THEREFORE, PER IBC 1401 & 1402, ONLY NEWLY REQUIRED FIRE RATED BUILDING ELEMENT THIS PROJECT IS SOUTH END WALL OF PARKING BUILDING (1-HOUR) TO INCLUDE FIRST 10 FEET OF WEST AND EAST WALLS.
 - INSTALL PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY STATE FIRE MARSHALL AND/OR OCSO BUILDING OFFICIAL.
 - PROVIDE ILLUMINATION FOR MEANS OF EGRESS AND EXIT DISCHARGE LOCATIONS, WITH BACK-UP POWER SOURCE. (REF. IBC 1006)

Submittals. Project is design-build and will necessarily have some parts of the design submitted during construction, but prior to pouring concrete, installing utilities or other permanent action. The following items will be submitted by contractor to the building official and the engineer for approval.

- Structural design from metal building manufacturer** - to be submitted prior to building erection and prior to foundation design.
- Foundation design** - to be submitted prior to foundation concrete placement. Plans herein show only the conceptual foundation design; final deferred submittal will provide detailed foundation design, including concrete strengths, final dimensions, reinforcement, etc.
- Mechanical, Electrical & Plumbing designs** - to be submitted to building official and engineer. Plans herein show only functional mechanical, electrical and plumbing designs and general design criteria, and will be subject to modification after receipt of contractor's submittals for these disciplines.
- Fire Protection design** - to be submitted to building official and engineer. Existing fire detection system to be extended to new parking building and to shipping addition.
- Security System design** - to be submitted to building official and engineer. System to be suitable for intended use and acceptable to OCSO.

INDEX OF DRAWINGS

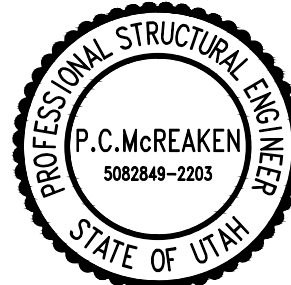
---	TITLE SHEET
NOTES	GENERAL NOTES
A-1	GENERAL FLOOR PLAN
A-2	FLOOR PLANS
A-3	ELEVATIONS
A-4	PARKING GARAGE ELEVATIONS
A-5	SHIPPING RECEIVING ELEVATIONS
A-6	SECTIONS
C-1	SITE PLAN
C-2	CIVIL DETAILS
C-3	GRADING & UTILITY PLANS
EN	STORM WATER POLLUTION PREVENTION PLAN
MEP	MECHANICAL, ELECTRICAL & PLUMBING
S-1	FOUNDATION PLANS
S-2	FRAMING PLANS
S-3	STRUCTURAL NOTES & DETAILS
S-4	STRUCTURAL NOTES & DETAILS

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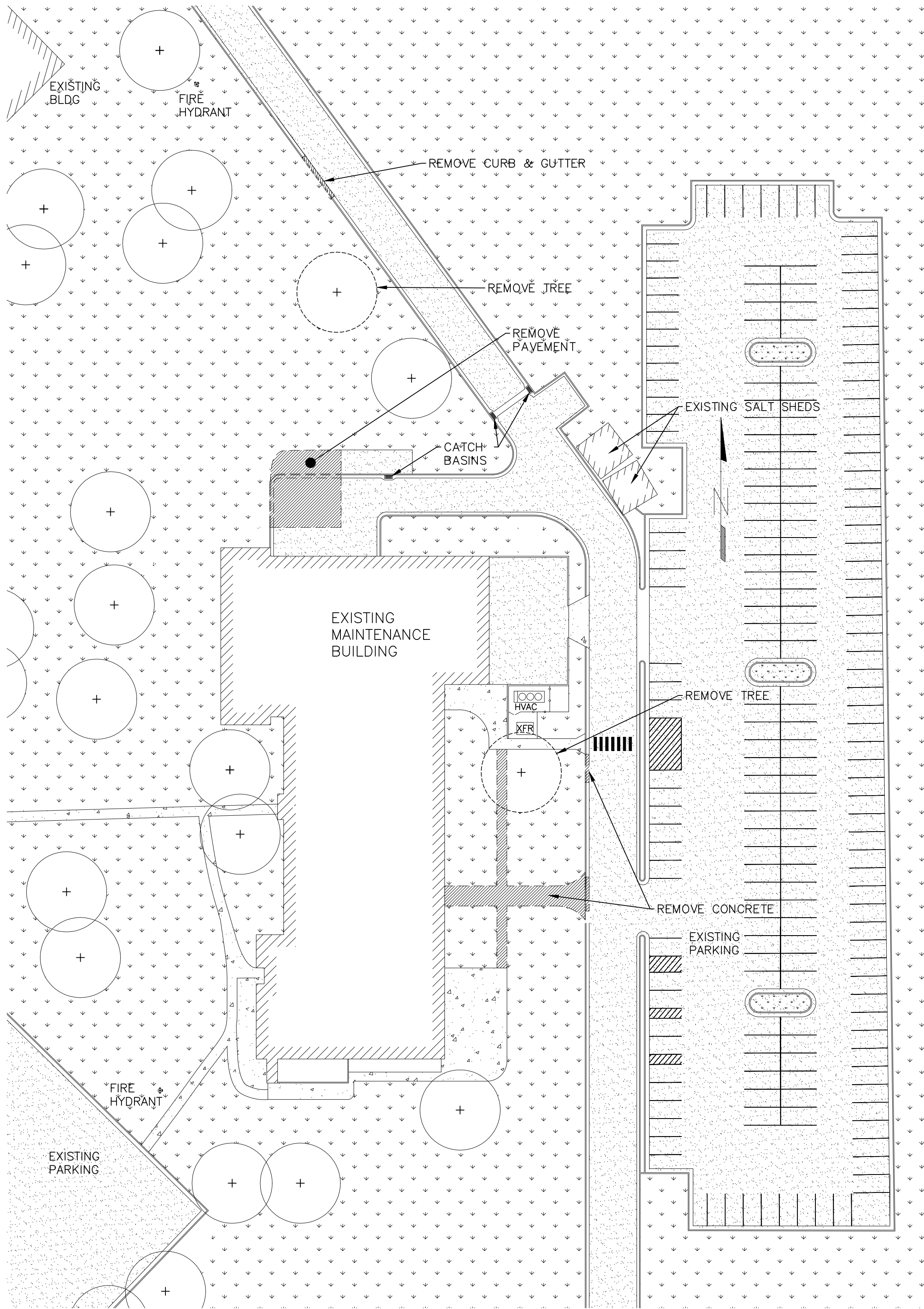
Architectural - Civil - Structural Engineers

2107 East 25 South, Layton, Utah 84040 // 801-544-1330

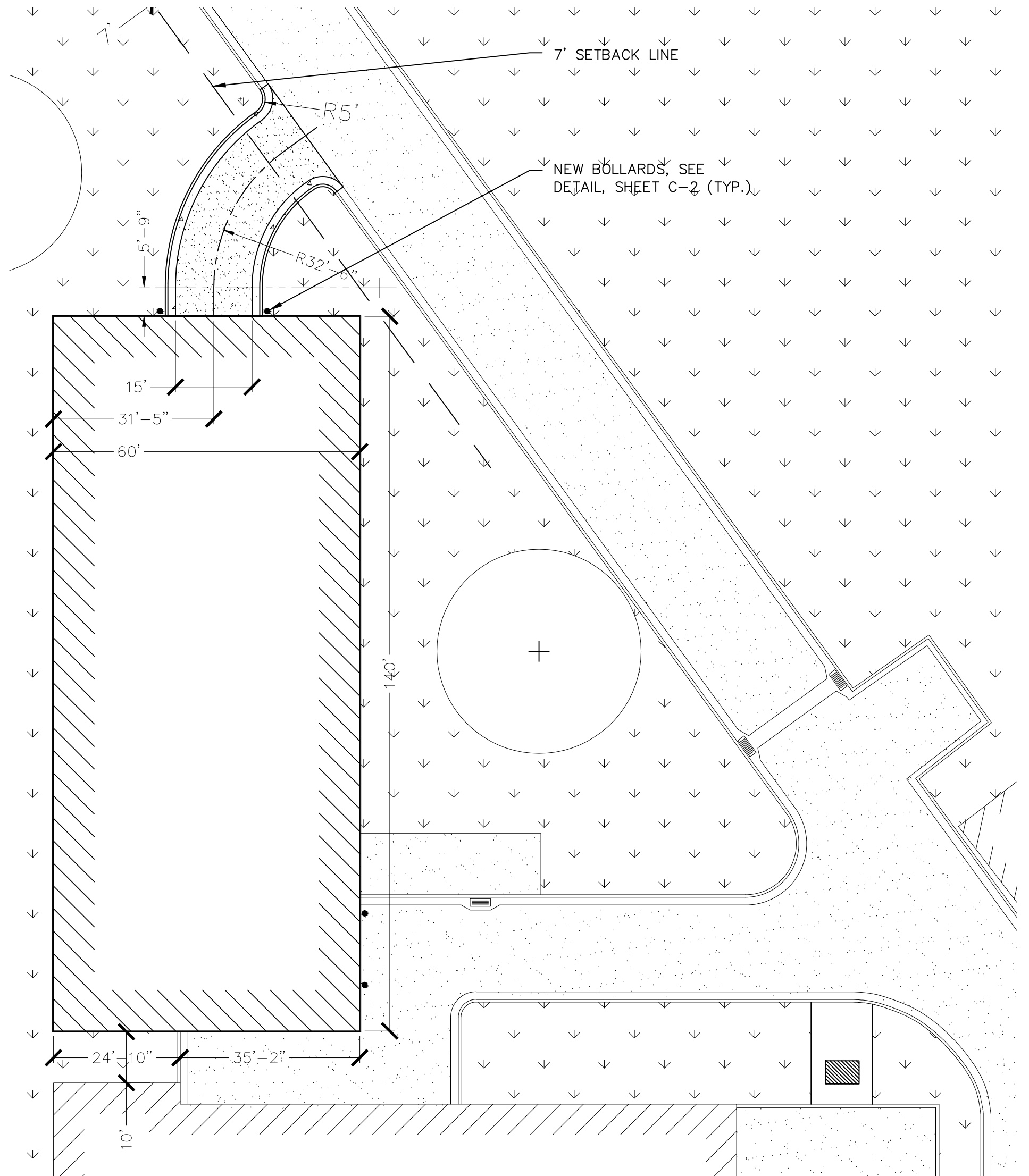


Valid only for the home being built on this lot, and when signed by engineer in blue ink and stamped.

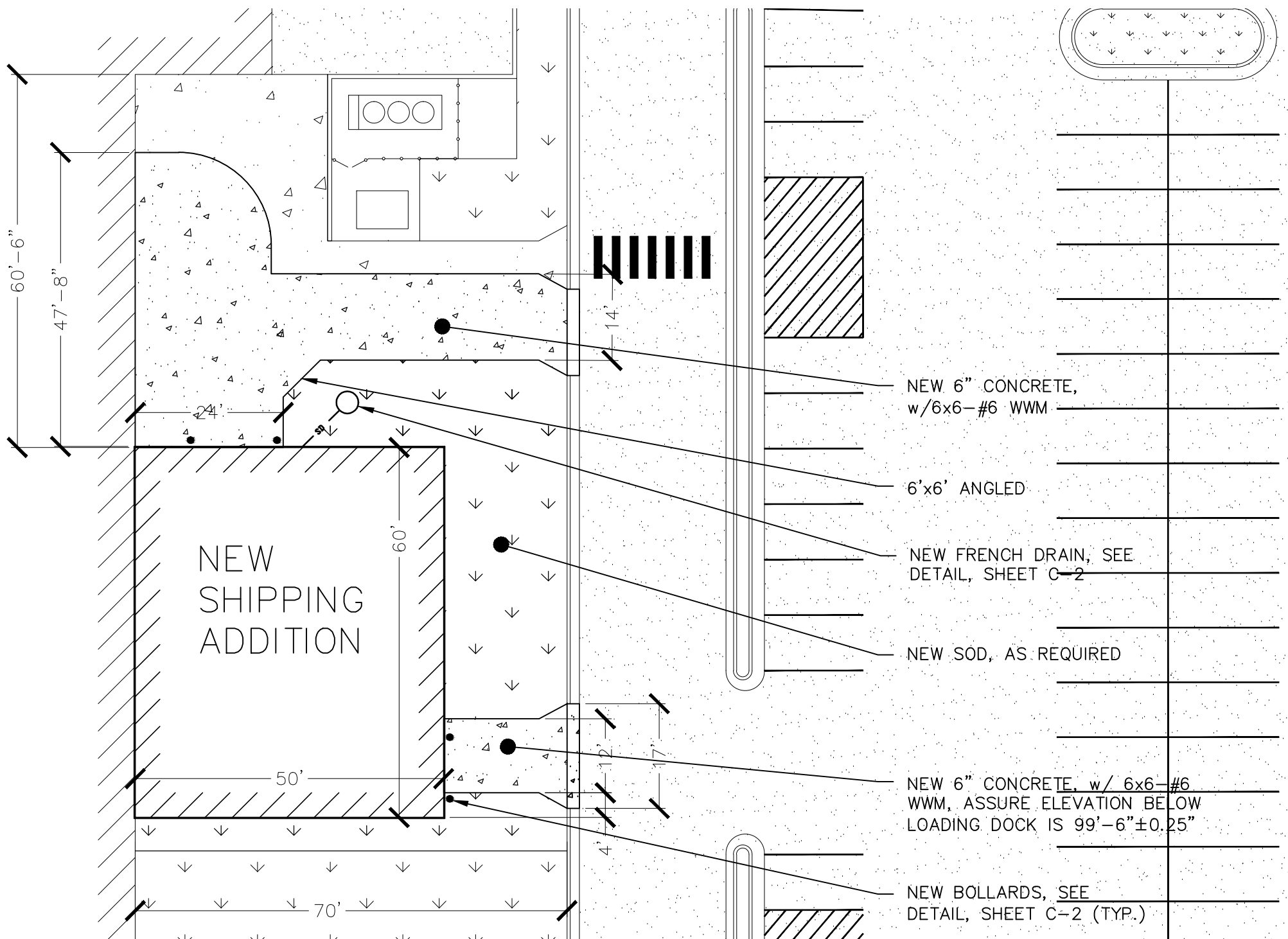
TITLE SHEET
ISSUED - 15 February 2013



EXISTING SITE & DEMOLITION PLAN
Scale: 1" = 40'-0"



NEW SITE PLAN - PARKING BUILDING
Scale: 1" = 20'-0"



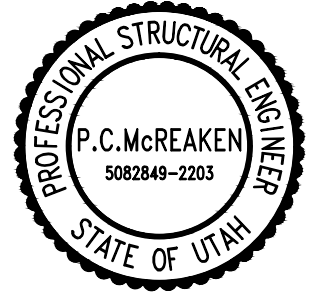
NEW SITE PLAN - SHIPPING ADDITION
Scale: 1" = 20'-0"

	EXISTING	NEW
SOD		
CONCRETE		
ASPHALT PAVING		
GRAVEL SURFACE		

- NOTES:
- CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO THE NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
 - CONTRACTOR TO MODIFY THE EXISTING LAWN (SOD) SPRINKLER SYSTEM. SUBMIT PLANS TO ARCHITECT-ENGINEER AND TO BUILDING OFFICIAL PRIOR TO CONSTRUCTION.
 - LANDSCAPING IS ALTERED ONLY TO THE EXTENT OF EXTENDING EXISTING LANDSCAPE TREATMENTS AROUND THE BUILDING ADDITION, AND MINOR DEMOLITION AS SHOWN.
 - STORM WATER MANAGEMENT. LAND SURFACE MATERIAL CHANGES INCREMENTALLY TO A DIFFERENT COMBINATION OF ASPHALT, CONCRETE, SOD SHRUBS, NATIVE VEGETATION AND BUILDINGS. THE CHANGE IN SURFACE WATER RUNOFF IS MINIMAL.
 - CURB & GUTTERS. CONTRACTOR TO REPLACE ALL CURB & GUTTER THAT IS DISPLACE, BROKEN OR OTHERWISE IMPAIRED DURING CONSTRUCTION TO ITS FORMER CONDITION TO AT LEAST THE FIRST JOINT BEYOND EXTENTS OF CONSTRUCTION.
 - OTHER SITE DAMAGES. ALL DETERIORATED, DAMAGED OR MISSING SURFACE IMPROVEMENTS WITHIN THE EXTENTS OF CONSTRUCTION TO BE REPLACED OR NEWLY INSTALLED; i.e., CURB AND GUTTER, SIDEWALK, LANDSCAPING PARK STRIP IMPROVEMENTS, ETC.
 - ROOF DRAINAGE & COLLECTION. CONTRACTOR TO PROVIDE DETAILS FOR ROOF DRAINAGE, SCUPPERS & COLLECTION SYSTEM, RECEIVED FROM BUILDING SUPPLIER, TO BUILDING OFFICIAL FOR APPROVAL PRIOR TO INSTALLATION. SYSTEM TO ADEQUATELY DRAIN ROOF AND DISCHARGE VIA PIPELINE TO EXISTING COLLECTION SYSTEM.
 - CONTRACTOR TO CONFIRM SIZE AND LOCATION OF WATER LINE FOR CONNECTION TO NEW PARKING BUILDING. APPROXIMATE LOCATION IS IMMEDIATELY WEST OF NEW BUILDING (10'-20'), AND PIPE SIZE IS THOUGHT TO BE 6". NEW SEWER LINE TO BE 4" PVC.
 - CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SYSTEM AS DETERMINED BY BUILDING OFFICIAL.
 - OTHER UTILITIES (I.E., GAS, WATER, COMMUNICATIONS, ETC.) SHALL BE ACCESSED WITHIN EXISTING BUILDING AS NEEDED.
 - CONTRACTOR MUST MEET ALL DCSD UTILITIES SPECIFICATIONS AND STANDARDS.
 - ADDITIONAL FIRE HYDRANTS ARE NOT REQUIRED TO SUPPORT NEW FACILITIES.
 - CONTRACTOR TO PROVIDE MODIFICATION PLAN FOR ALTERED IRRIGATION SYSTEM TO BUILDING OFFICIAL FOR APPROVAL PRIOR TO INSTALLATION.

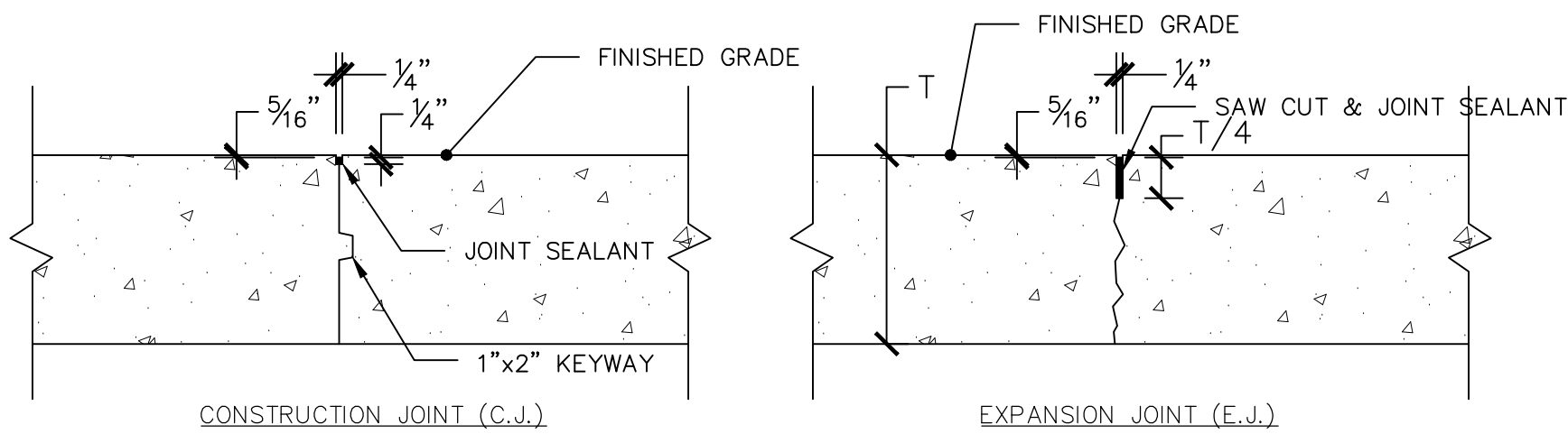
Revisions

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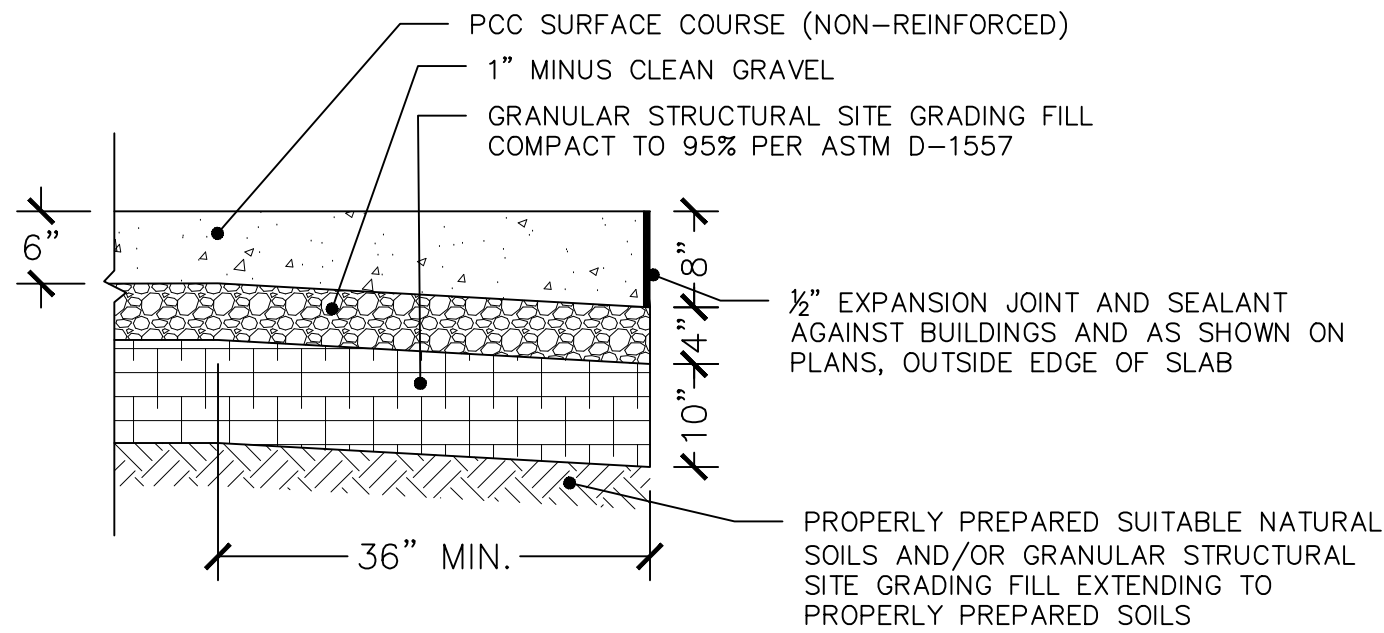


Valid only for the work being built on. Not valid for any other work. Drawings designed by engineer in blue ink and stamped.

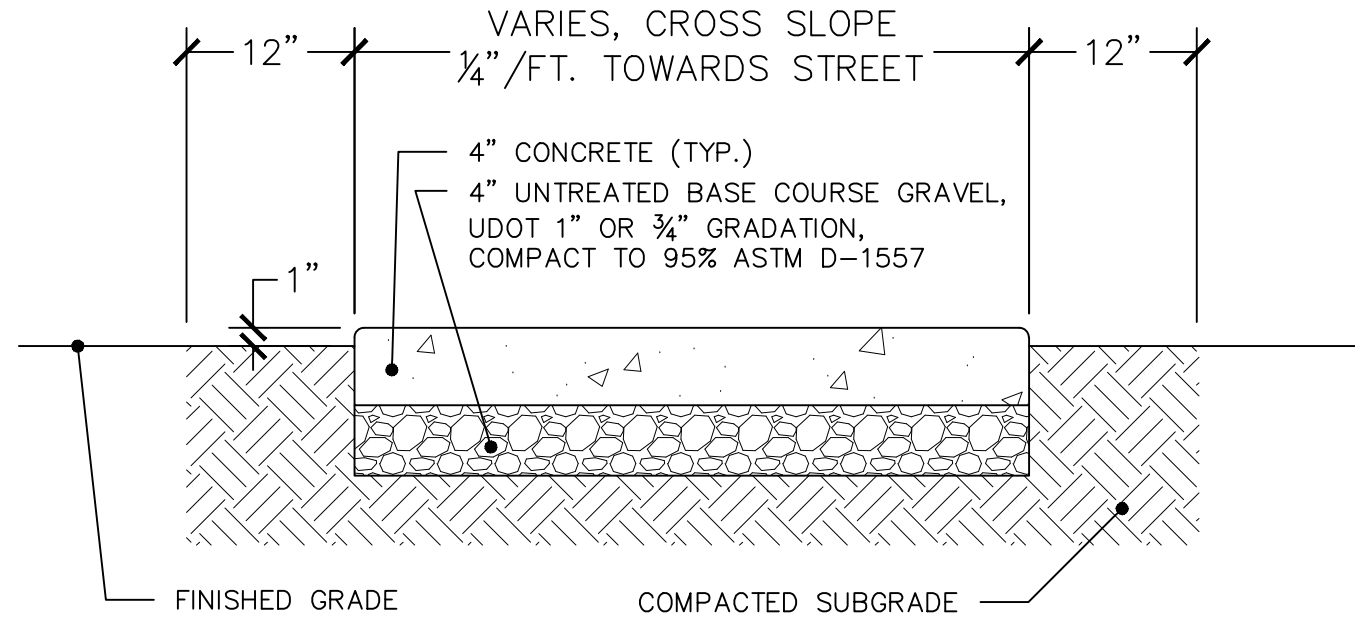
- NOTES:
1. JOINT SEALANT: DOW CORNING 890-SL LEVELING SILICONE JOINT SEALANT OR APPROVED EQUAL, WITH CLOSED CELL BACKER ROD. INSTALL PER MFR'S SPECIFICATION.
 2. SAW CUTTING MAY BE REQUIRED TO INSTALL SEALANT AND BACKER ROD
 3. INSERTS WHICH PROVIDE THE DIMENSIONS SHOWN WILL BE ALLOWED IN PLACE OF SAW CUTTING



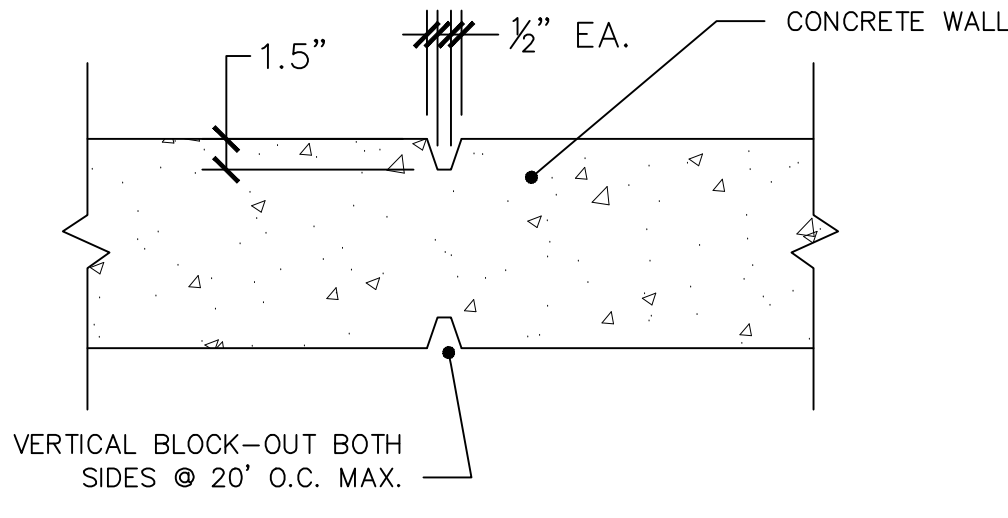
CONCRETE PAVEMENT JOINTS



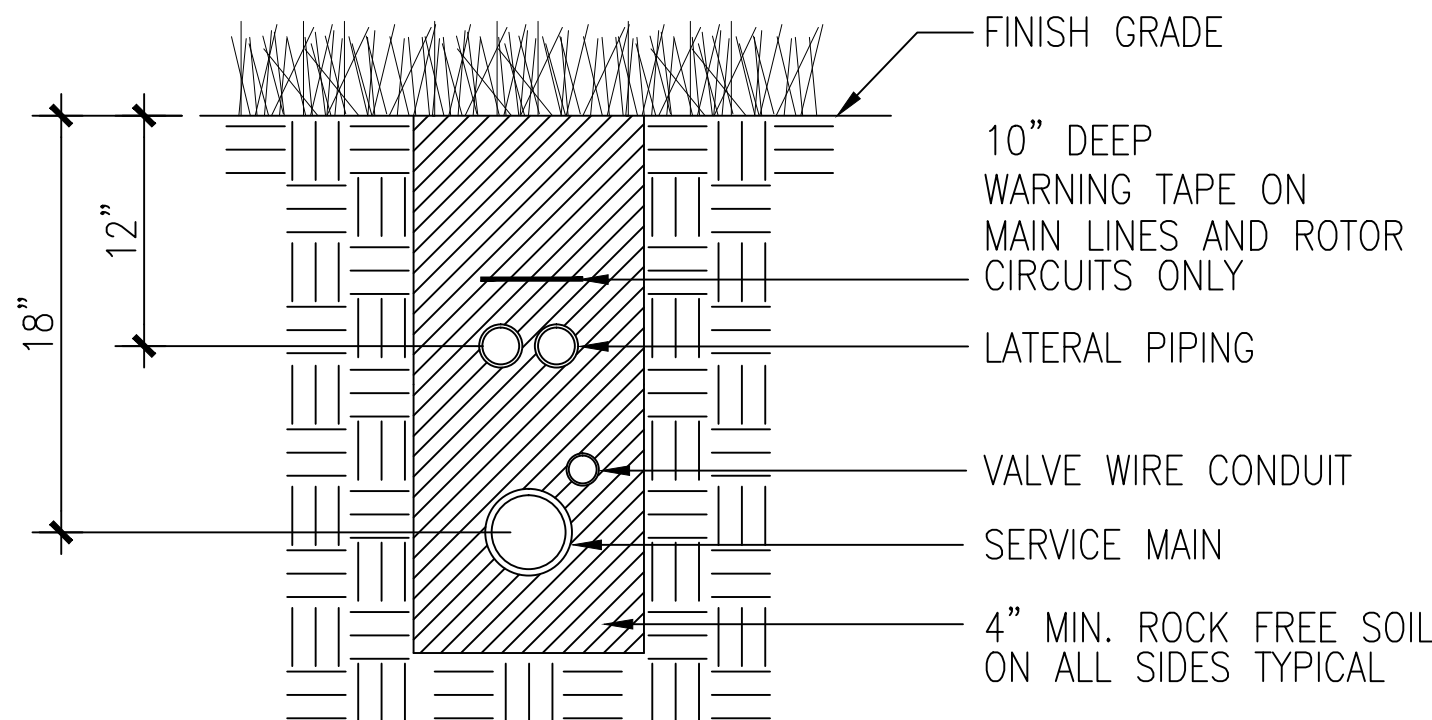
CONCRETE DOCK PAVEMENT THICKENED EDGE SECTION



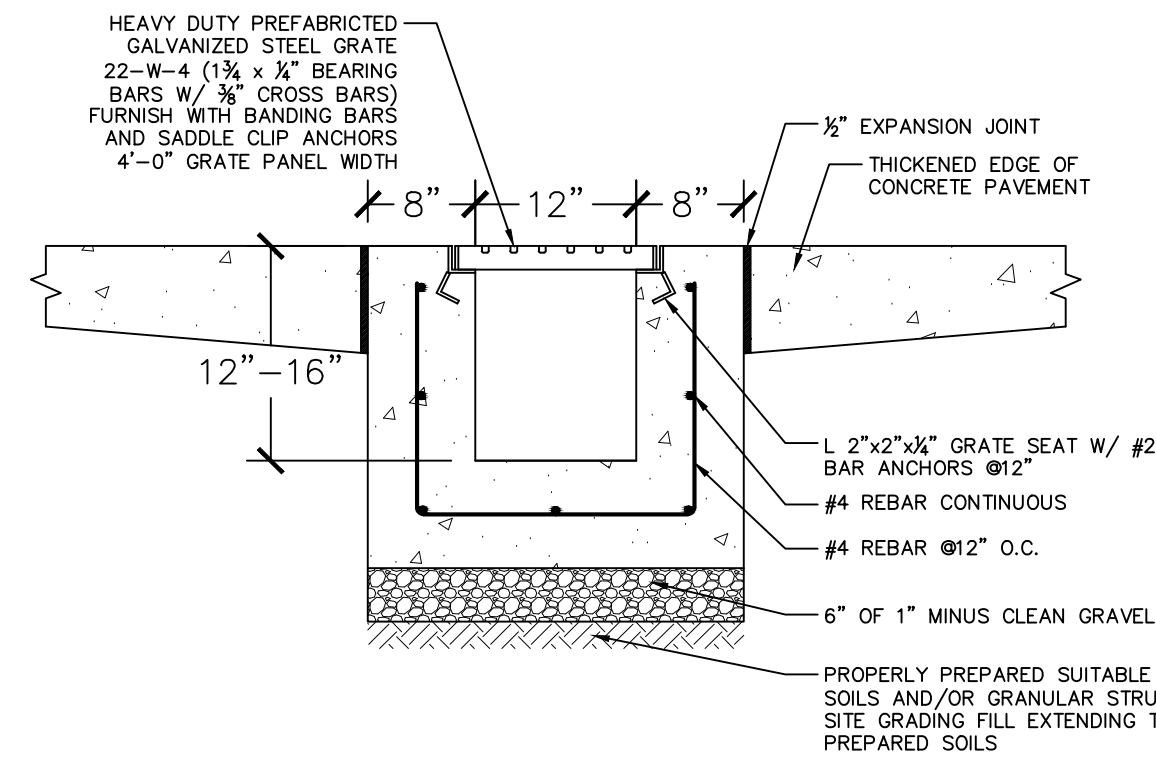
CONCRETE SIDEWALK



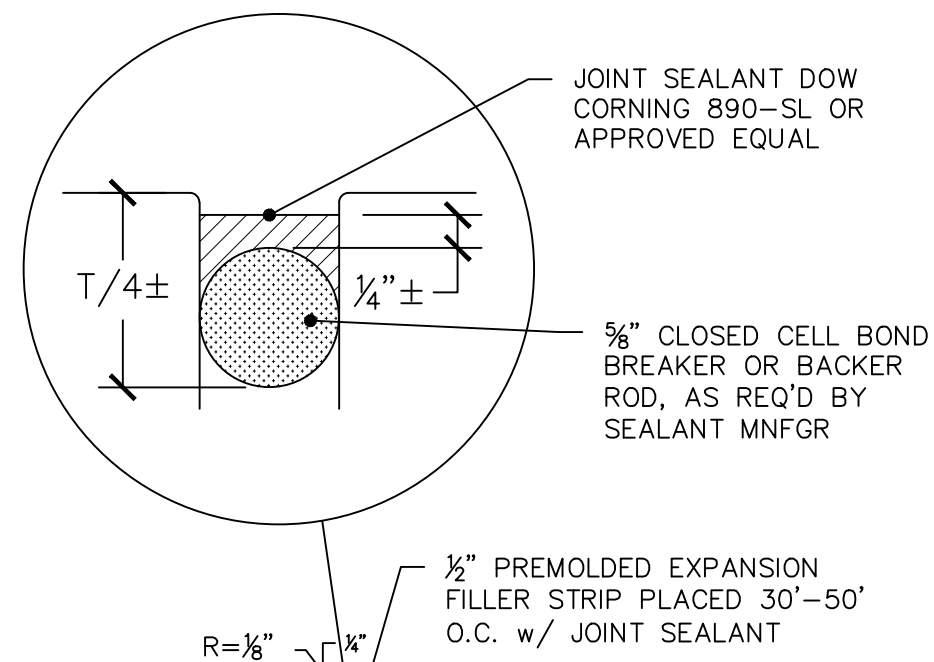
VERTICAL CRACK CONTROL JOINT



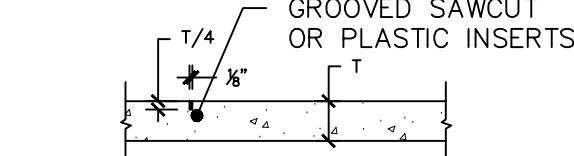
SPRINKLER LINE TRENCH (TYP.)



Trench Drain

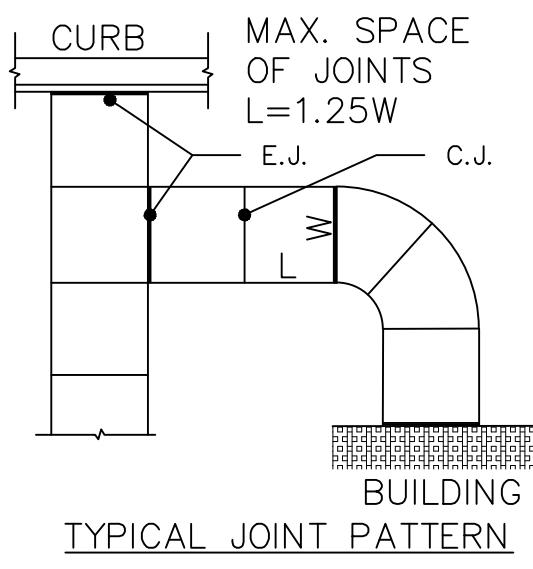


EXPANSION JOINT (E.J.)

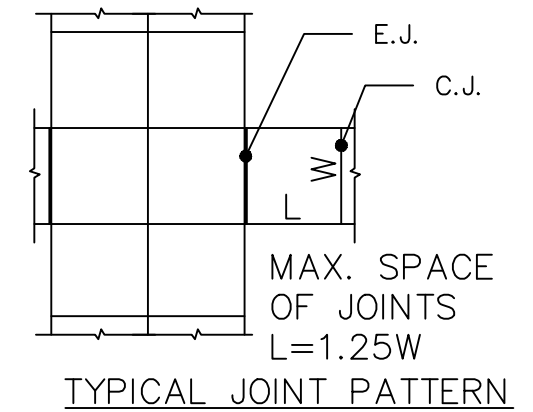


CONTRACTION JOINT (C.J.)

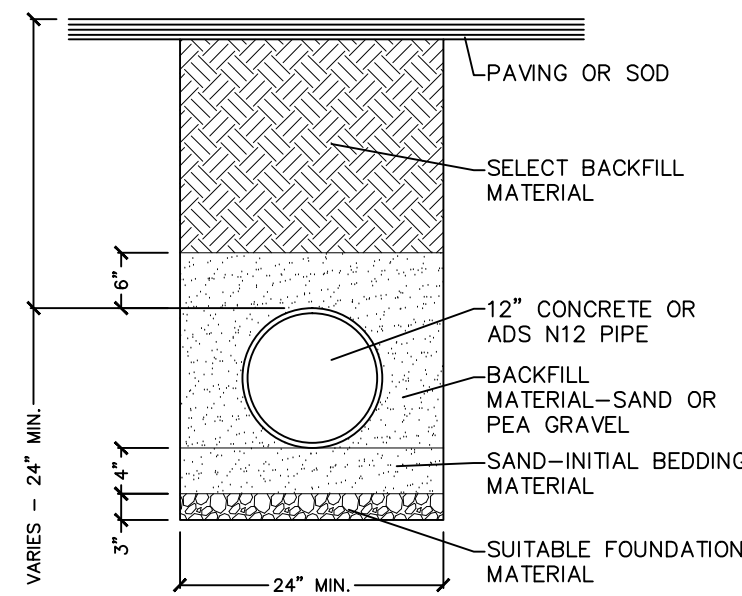
TYPICAL SIDEWALK JOINT DETAILS



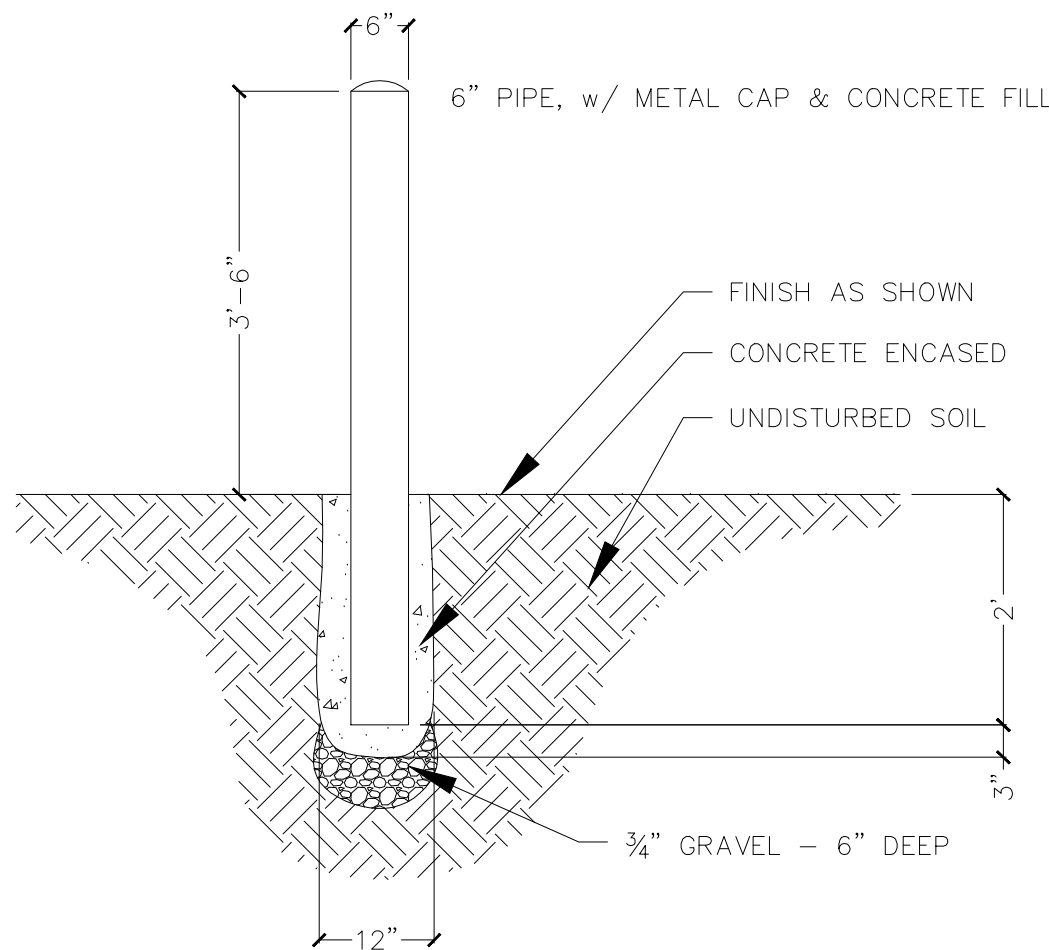
TYPICAL JOINT PATTERN



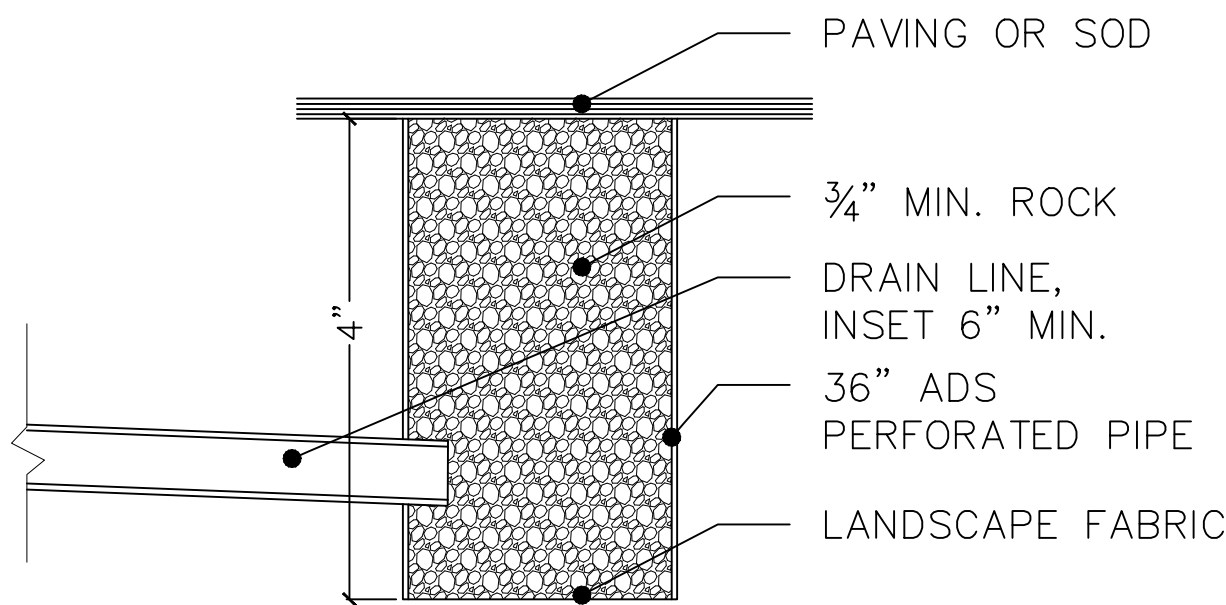
TYPICAL JOINT PATTERN



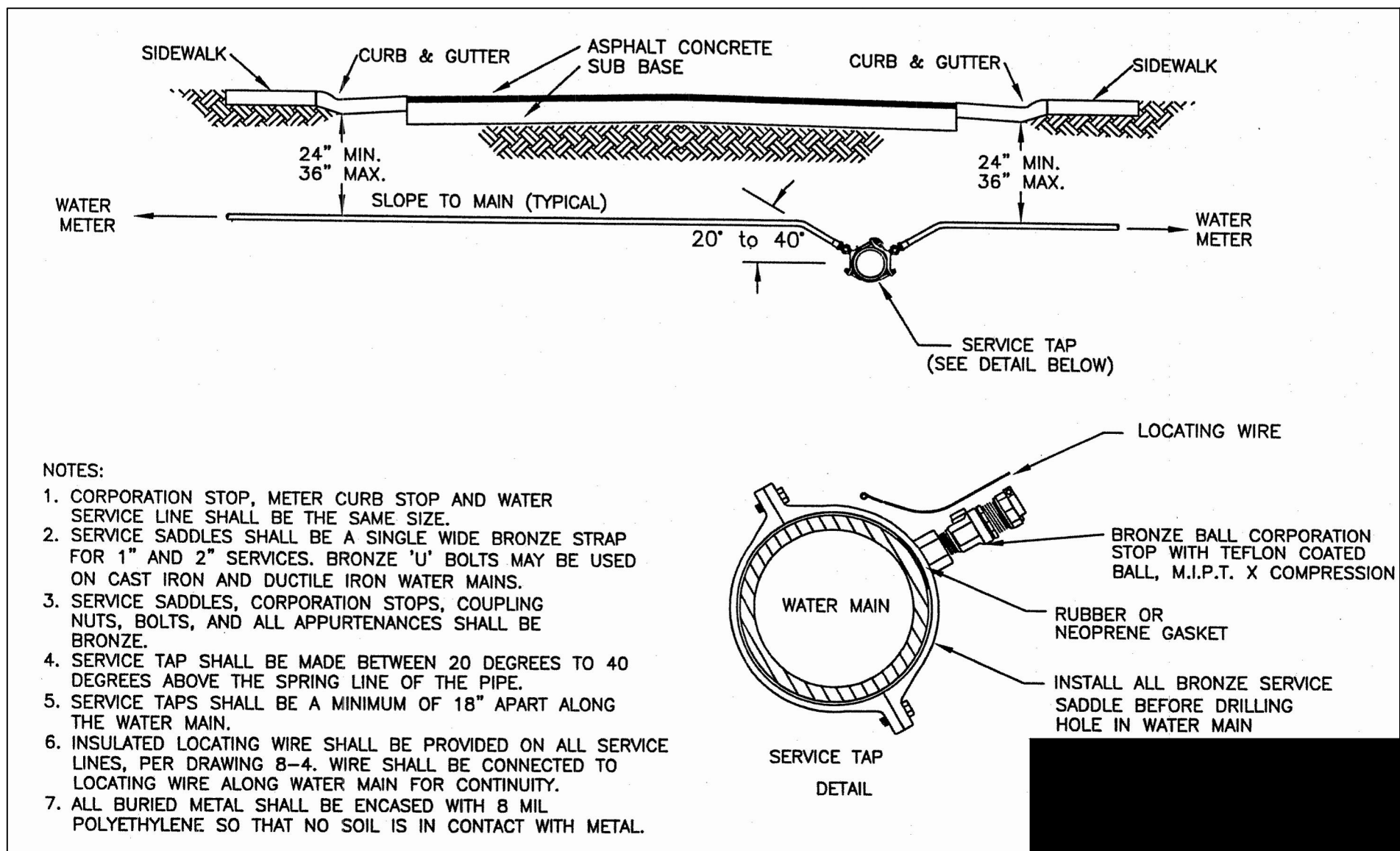
STORM DRAIN TRENCH (TYP.)



METAL PIPE BOLLARD (TYP.)



FRENCH DRAIN DETAIL



- NOTES:
1. CORPORATION STOP, METER CURB STOP AND WATER SERVICE LINE SHALL BE THE SAME SIZE
 2. SERVICE SADDLES SHALL BE A SINGLE WIDE BRONZE STRAP FOR 1" AND 2" SERVICES. BRONZE 'U' BOLTS MAY BE USED ON CAST IRON AND DUCTILE IRON WATER MAINS.
 3. SERVICE SADDLES, CORPORATION STOPS, COUPLING NUTS, BOLTS, AND ALL APPURTENANCES SHALL BE BRONZE.
 4. SERVICE TAP SHALL BE MADE BETWEEN 20 DEGREES TO 40 DEGREES ABOVE THE SPRING LINE OF THE PIPE.
 5. SERVICE TAPS SHALL BE A MINIMUM OF 18" APART ALONG THE WATER MAIN.
 6. INSULATED LOCATING WIRE SHALL BE PROVIDED ON ALL SERVICE LINES, PER DRAWING 8-4. WIRE SHALL BE CONNECTED TO LOCATING WIRE ALONG WATER MAIN FOR CONTINUITY.
 7. ALL BURIED METAL SHALL BE ENCASED WITH 8 MIL POLYETHYLENE SO THAT NO SOIL IS IN CONTACT WITH METAL.

WATER LINE CONNECTION TO MAIN - PARKING BUILDING

Revisions

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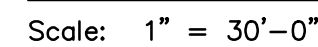
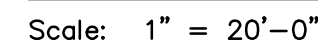
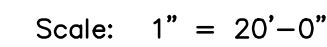
SHEET C-2
Civil Details

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PROFESSIONAL STRUCTURAL ENGINEER
C. McCREAKEN
508249-2203
STATE OF UTAH

Client Information
Name: Ogden City School District
Project No.: 2-027
Address/Location: 1950 Monroe
Ogden, Utah 84401

Issued - 15 February 2012



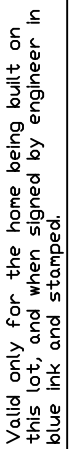
NOTES:

1. CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO THE NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
3. CONTRACTOR TO MODIFY THE EXISTING LAWN (SOD) SPRINKLER SYSTEM. SUBMIT PLANS TO ARCHITECT-ENGINEER AND TO BUILDING OFFICIAL PRIOR TO CONSTRUCTION.
4. LANDSCAPING IS ALTERED ONLY TO THE EXTENT OF EXTENDING EXISTING LANDSCAPE TREATMENTS AROUND THE BUILDING ADDITION, AND MINOR DEMOLITION AS SHOWN.
5. STORM WATER MANAGEMENT. LAND SURFACE MATERIAL CHANGES INCREMENTALLY TO A DIFFERENT COMBINATION OF ASPHALT, CONCRETE, SOD SHRUBS, NATIVE VEGETATION AND BUILDINGS. THE CHANGE IN SURFACE WATER RUNOFF IS MINIMAL.
6. CURB & GUTTERS. CONTRACTOR TO REPLACE ALL CURB & GUTTER THAT IS DISPLACE, BROKEN OR OTHERWISE IMPAIRED DURING CONSTRUCTION TO ITS FORMER CONDITION TO AT LEAST THE FIRST JOINT BEYOND EXTENTS OF CONSTRUCTION.
7. OTHER SITE DAMAGES. ALL DETERIORATED, DAMAGED OR MISSING SURFACE IMPROVEMENTS WITHIN THE EXTENTS OF CONSTRUCTION TO BE REPLACED OR NEWLY INSTALLED; i.e., CURB AND GUTTER, SIDEWALK, LANDSCAPING PARK STRIP IMPROVEMENTS, ETC.
8. ROOF DRAINAGE & COLLECTION. CONTRACTOR TO PROVIDE DETAILS FOR ROOF DRAINAGE, SCUPPERS & COLLECTION SYSTEM, RECEIVED FROM BUILDING SUPPLIER, TO BUILDING OFFICIAL FOR APPROVAL PRIOR TO INSTALLATION. SYSTEM TO ADEQUATELY DRAIN ROOF AND DISCHARGE VIA PIPELINE TO EXISTING COLLECTION SYSTEM.
9. CONTRACTOR TO CONFIRM SIZE AND LOCATION OF WATER LINE FOR CONNECTION TO NEW PARKING BUILDING. APPROXIMATE LOCATION IS IMMEDIATELY WEST OF NEW BUILDING (40-20"), AND PIPE SIZE IS THOUGHT TO BE 6". NEW SEWER LINE TO BE 4" PVC.
10. CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SYSTEM AS DETERMINED BY BUILDING OFFICIAL.
11. OTHER UTILITIES (I.E., GAS, WATER, COMMUNICATIONS, ETC.) SHALL BE ACCESSED WITHIN EXISTING BUILDING AS NEEDED.
12. CONTRACTOR MUST MEET ALL DCSD UTILITIES SPECIFICATIONS AND STANDARDS.
13. ADDITIONAL FIRE HYDRANTS ARE NOT REQUIRED TO SUPPORT NEW FACILITIES.
14. CONTRACTOR TO PROVIDE MODIFICATION PLAN FOR ALTERED IRRIGATION SYSTEM TO BUILDING OFFICIAL FOR APPROVAL PRIOR TO INSTALLATION.

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Revisions

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SHEET C-3

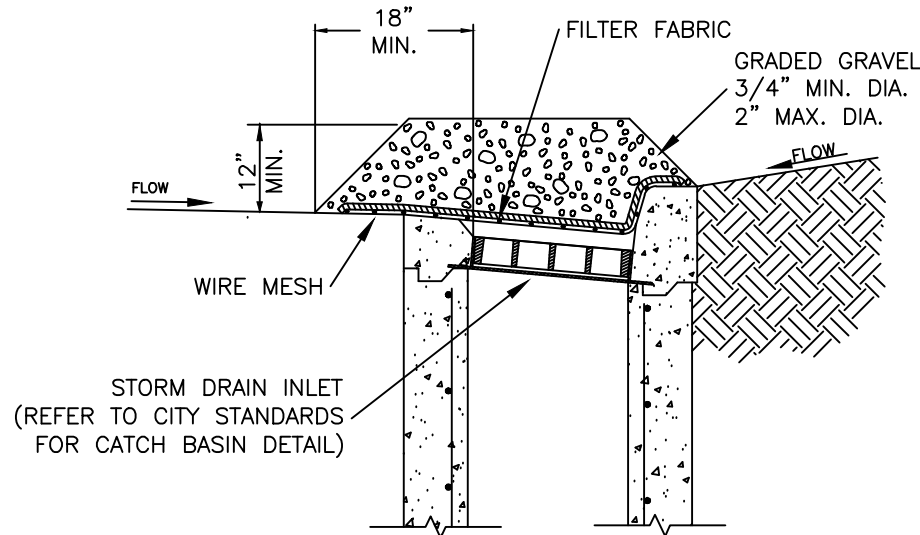
Grading & Utility Plans

NOTES:

[XX.X'] FINAL GRADE ELEVATION

EROSION CONTROL - GENERAL NOTES

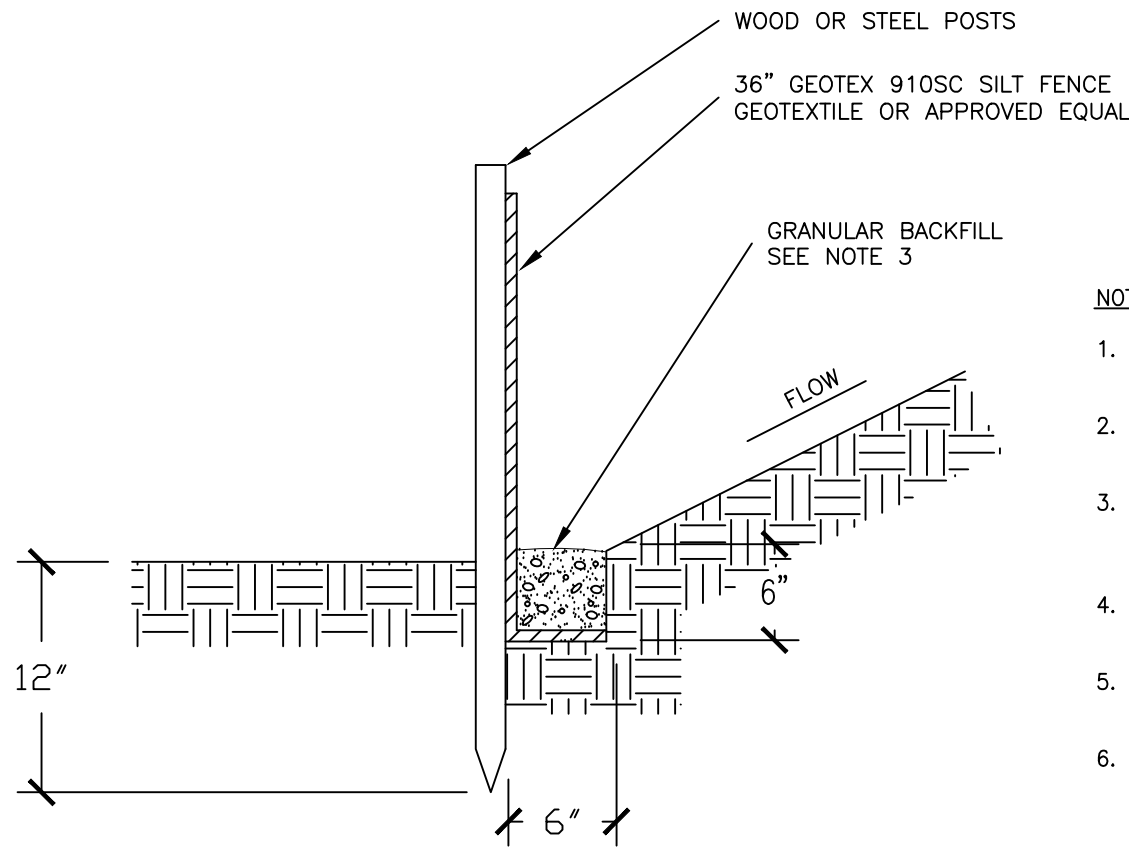
1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO CITY LAND DISTURBANCE DESIGN AND CONSTRUCTION STANDARDS UNLESS SUPERSEDED BY THESE PLANS.
2. THE LIMIT OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO ANY LAND CLEARING, AND APPROVED BY THE CITY BUILDING OFFICIAL. CONSTRUCTION ACTIVITIES ARE LIMITED TO WITHIN THE BOUNDARIES OF SILT FENCES AND ENVIRONMENTAL FENCES DEFINING THE LIMITS OF DISTURBANCE.
3. CARE SHALL BE EXERCISED TO MINIMIZE DISTURBANCE OF THE ORIGINAL GROUND AND VEGETATION AT THE EDGE OF CUT AND FILL SLOPES NEAR THE LIMITS OF DISTURBANCE.
4. ALL WORK SHALL CONFORM WITH CITY DESIGN AND CONSTRUCTION STANDARDS. CONTRACTOR TO PROVIDE DUST CONTROL AT ALL TIMES. CONTRACTOR SHALL PROVIDE THE NECESSARY MITIGATION TO KEEP DUST TO THE ACCEPTABLE LIMITS IDENTIFIED IN THE AIR QUALITY PERMIT OBTAINED FROM THE STATE OF UTAH, DEPARTMENT OF AIR QUALITY, DIVISION OF AIR QUALITY. THE CITY INSPECTOR MAY REQUIRE SOIL ADDITIVES TO CONTROL DUST. PROVISIONS TO CONTROL DUST MUST BE ON SITE AND OPERATIONAL PRIOR TO ANY LAND DISTURBANCE.
5. EXISTING PAVED ROADWAYS ARE TO BE KEPT CLEAN AT ALL TIMES. CONTRACTOR TO MAINTAIN STREETS TO BE FREE FROM DIRT AND DEBRIS.
6. SILT FENCES, TEMPORARY SEDIMENT TRAPS, TEMPORARY BERMS, AND OTHER EROSION CONTROL DEVICES ARE TO BE INSPECTED AND MAINTAINED WITHIN 24 HOURS AFTER EACH SIGNIFICANT STORM EVENT (0.5 INCHES).
7. TEMPORARY SEDIMENTATION BASINS AND STORM WATER MANAGEMENT FACILITIES REQUIRE A MANDATORY INSPECTION ONCE A WEEK OR WITHIN 24 HOURS OF A MAJOR STORM EVENT (0.5 INCHES) OR A SNOW MELT UNTIL ALL DISTURBED AREAS ARE STABILIZED ACCORDING TO THESE PLANS.
8. CONTRACTOR TO REPLACE DAMAGED EROSION CONTROL DEVICES, OR DEVICES THAT DO NOT FUNCTION PROPERLY.



STORM DRAIN INLET PROTECTION
NOT TO SCALE

NOTES:

1. PLACE WIRE MESH (WITH 1/2" OPENINGS) OVER THE INLET GRATE EXTENDING 12" PAST THE GRATE IN ALL DIRECTIONS.
2. PLACE FILTER FABRIC OVER THE MESH. FILTER FABRIC SHOULD BE SELECTED BASED ON SOIL TYPE.
3. PLACE GRADED GRAVEL, TO A MINIMUM DEPTH OF 12", OVER THE FILTER FABRIC AND EXTENDING 18" PAST THE GRATE IN ALL DIRECTIONS.
4. INSPECT INLET PROTECTION AFTER EVERY LARGE STORM EVENT AND AT A MINIMUM OF ONCE A WEEK.
5. REMOVE SEDIMENT ACCUMULATED WHEN IT REACHES 50% OF ROCK FILTER HEIGHT.
6. REPLACE FILTER FABRIC AND CLEAN OR REPLACE GRAVEL IF CLOGGING IS APPARENT.
7. CONTRACTOR MAY SUBMIT ALTERNATIVE METHOD OF INLET PROTECTION. THE ALTERNATIVE METHOD SHALL BE APPROVED BY THE CITY INSPECTOR AND THE ENGINEER OF RECORD.

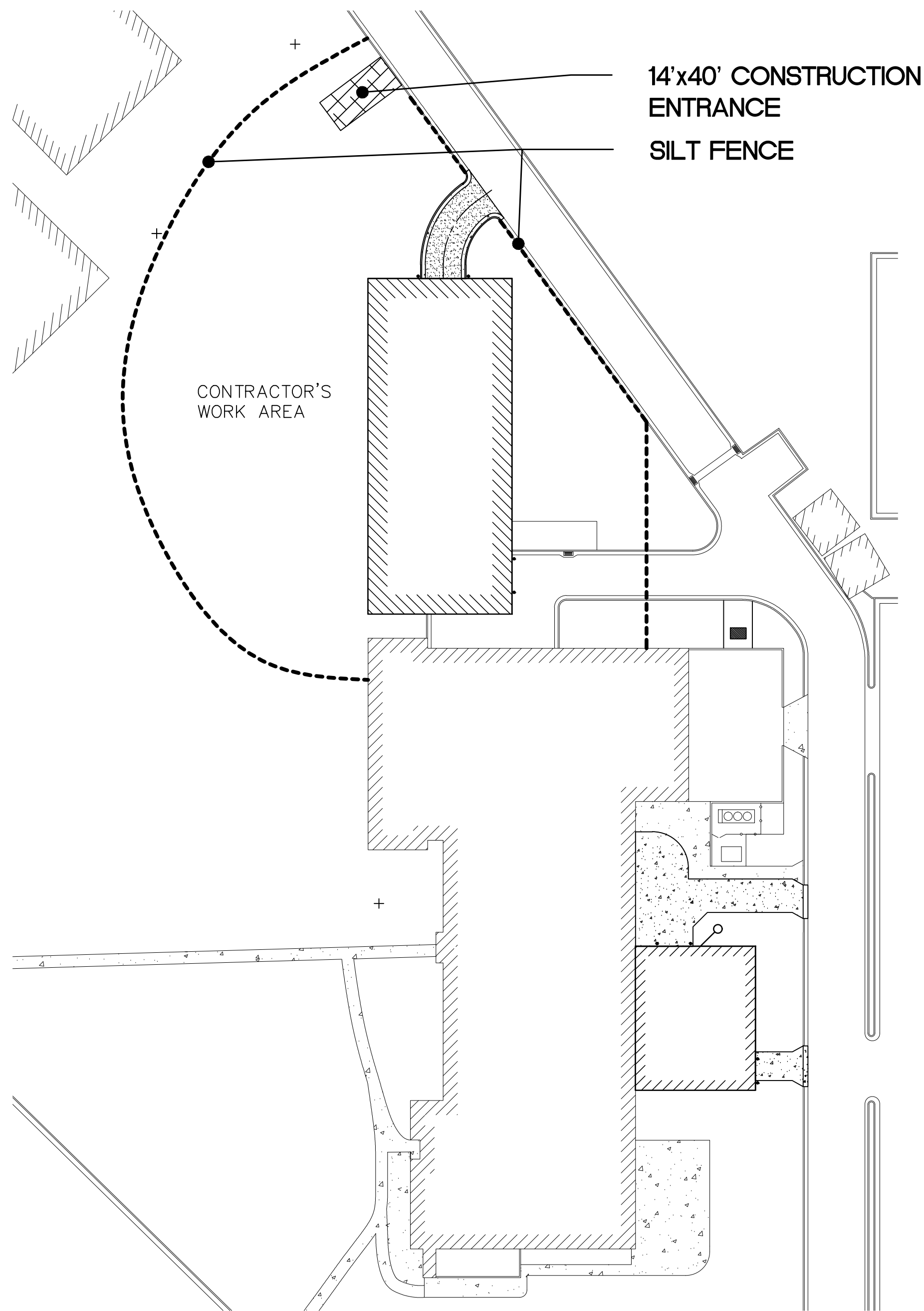


SILT FENCE
NOT TO SCALE

NOTES:

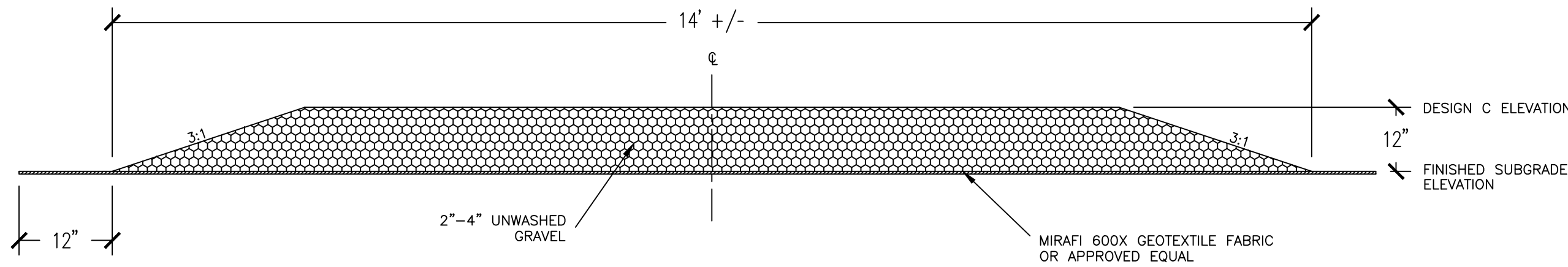
1. EXCAVATE 6" X 6" TRENCH ALONG LIMITS OF DISTURBANCE AS SHOWN ON CONSTRUCTION DRAWINGS.
2. POSTS SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
3. LAY TOE-IN FABRIC FLAP IN BOTTOM OF TRENCH. BACKFILL TRENCH WITH FREE DRAINING GRANULAR MATERIAL, COMPACT TRENCH TO SATISFACTION OF CITY INSPECTOR.
4. SILT FENCE GEOTEXTILE SHALL MEET AASHTO M288-92 REQUIREMENTS.
5. REMOVE & DISPOSE OF SEDIMENT WHEN ACCUMULATION IS 50% OF EXPOSED FENCE HEIGHT.
6. 10' MAXIMUM SPACING BETWEEN STAKES.

NOTE: REFER TO BUILDING OFFICIAL FOR DETAILS ON ENVIRONMENTAL REQUIREMENTS AND CONTRACTOR'S RESPONSIBILITIES.



SWPPP SITE PLAN

Scale: 1" = 40'-0"



NOTES:

1. INSTALL GEOTEXTILE FABRIC PER MANUFACTURER'S RECOMMENDATIONS.
2. REMOVE STABILIZED CONSTRUCTION ENTRANCE AND FABRIC AFTER ROAD BASE IS PLACED AND COMPACTED FOR ALL INTERIOR ROADS OF THE PLANNED UNIT DEVELOPMENT JUST PRIOR TO ASPHALT BEING PLACED.
3. PROVIDE A 10' TRANSITION RAMP FROM FINISHED SUBGRADE ELEVATION, TO DESIGN E ELEVATION AT THE END OF STABILIZED CONSTRUCTION ENTRANCE.

CROSS SECTION OF STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

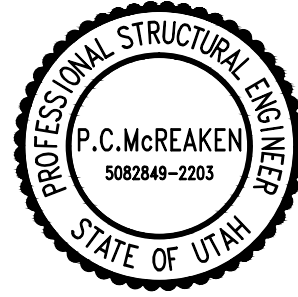
Revisions

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SHEET EN

SWPPP

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Valid only for the work being built on, and only if the drawings are signed by engineer in blue ink and stamped.

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