

BY ROSE TION CANT
EXECUTIVE SECRETARY

RECEIVED

JUN 09 2015

EL DORADO COUNTY DEVELOPMENT SERVICES DEP?

LANDSCAPE ARCHITECTURE
CALIFORNIA REGISTERED LANDSCAPE ARCHITECT #1010, #3239
NEVADA REGISTERED LANDSCAPE ARCHITECT #455 1449 Doral Circle 340 La Purisma Way Thousand Oaks, CA 913620ceanside, CA 92057

P: 805-379-1775 F: 805-778-1793 E: egripp@roadrunner.com REVISIONS

Contractor shall verify and be responsible for all dimensions and conditions on the job, and shall notify the affice of Eric E. Gripp, Landscape Architecture of any errors, discrepancies or variations from the information shown by these drawings. Written dimensions shall have precedence over scaled dimensions. Shop drawings shall be submitted to this office for approval before proceeding with any fabrication,

All designs, ideas and information shown on these drawings and specifications specifications are and shall remain the property of Eric E. Gripp, Landscape Architecture. No part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which the hove been prepared and developed without the written consent of Eric E. Gripp, Landscape Architecture. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.





CLIENT AND PROJECT

A PROPOSED COMMERCIAL DEVELOPMENT FOR:

DOLLAR GENERAL

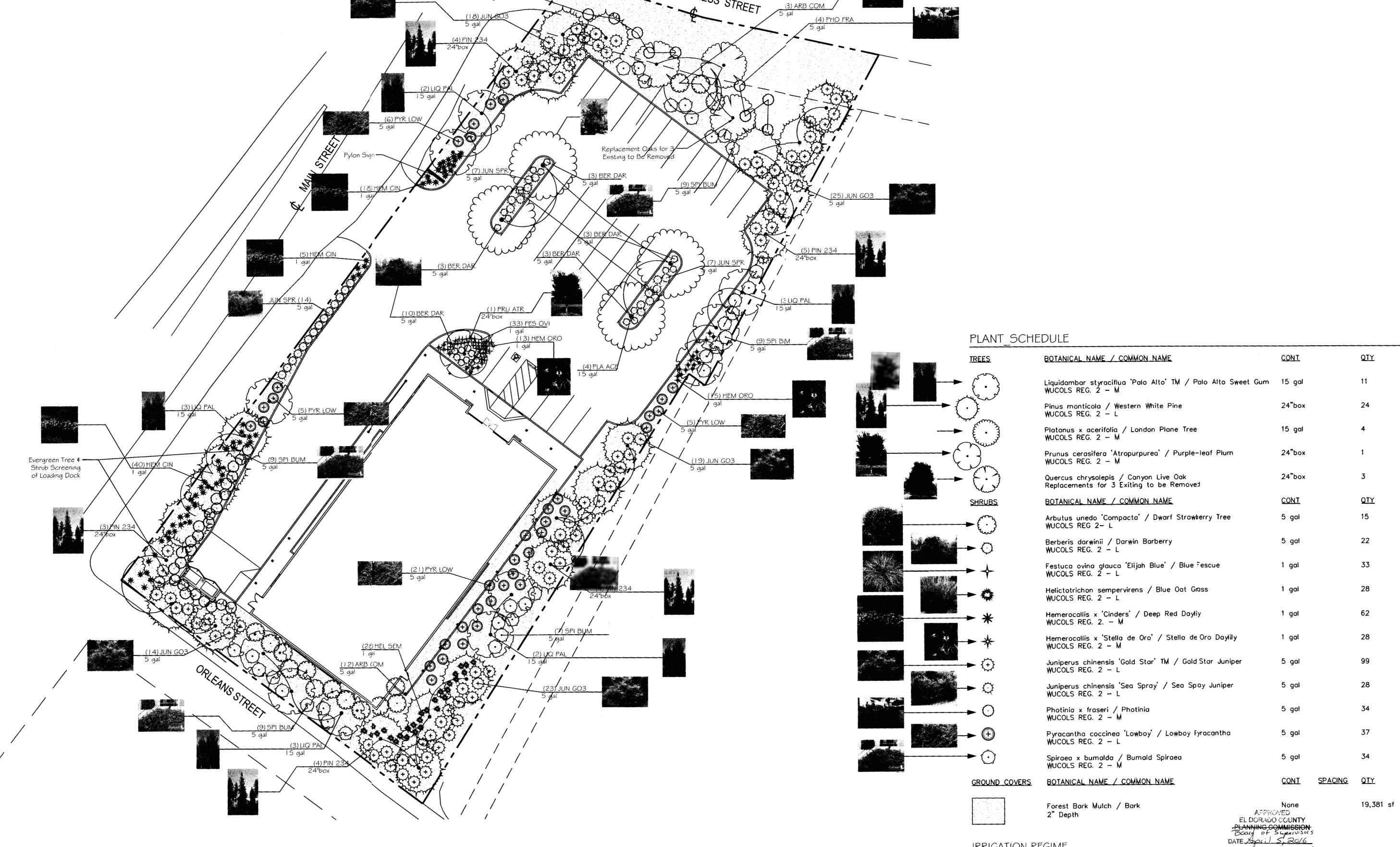
sec MAIN ST. & HARKNESS ST. GEORGETOWN, CA 95634

SHEET DESCRIPTION

Conceptual Landscape Plan

02/11/14 1" = 20'Eric Gripp DRAWN BY: SHEET NUMBER

PRL-1



IRRIGATION REGIME

MULTIPLE PROGRAM CAPABILITIES MULTIPLE REPEAT CYCLE CAPABILITIES FLEXIBLE CALENDAR PROGRAM

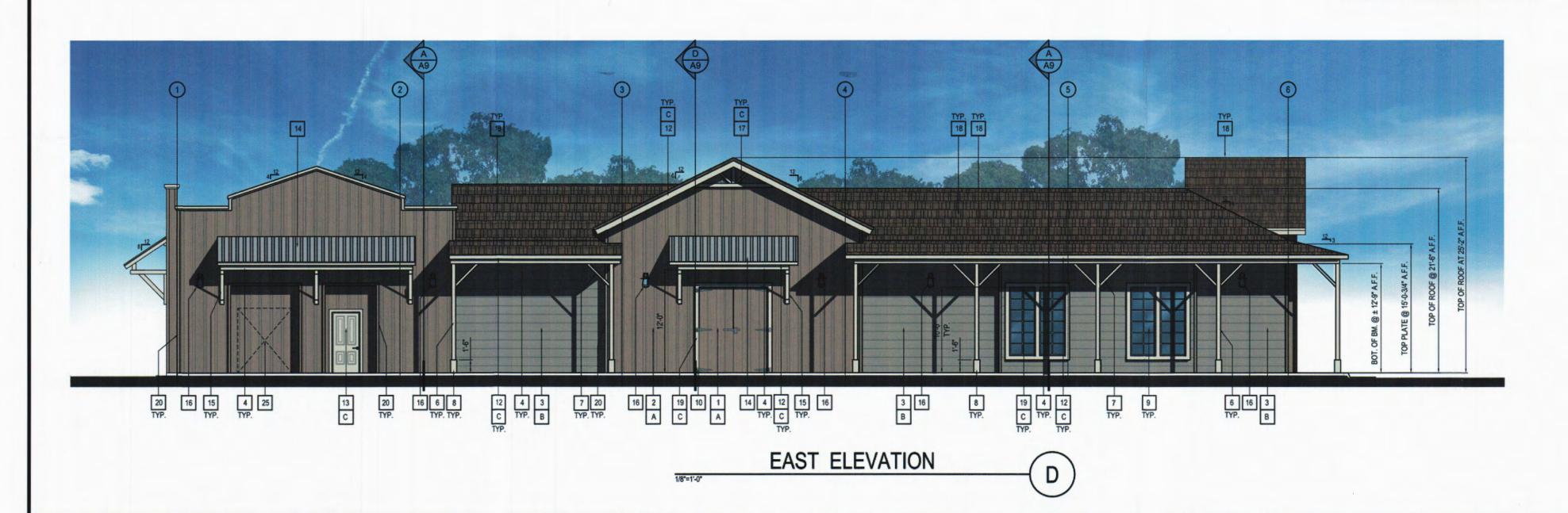
FULLY AUTOMATIC, WATER EFFICIENT DRIP IRRIGATION SYSTEM WILL BE INSTALLED FOR FOR THE ENTIRE PROJECT

THE IRRIGATION CONTROLLER FEATURES WILL INCLUDE: ET BASED SELF ADJUSTING STATION RUN TIME





IMPORTANT NOTE: ALL EXTERIOR BUILDING SIGNAGE TO BE PROVIDED AND APPROVED UNDER SEPARATE PERMIT.

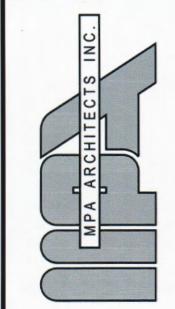


- 2 VERTICAL BOARD-AND-BATTEN WOOD SIDING (15° REVEAL) COLOR: PER PLAN
- HORIZONTAL SHIPLAP WOOD BOARD (12" REVEAL)
 COLOR: PER PLAN
- HORIZONTAL WOOD BEAM
 COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- 5 GLASS COLOR & STYLE: TINTED (PER T-24) FRAME COLOR: DARK BRONZE
- 6x6 WOOD POST
 COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- WOOD KNEE BRACE COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- 8 1x WOOD BASE 18" HIGH (U.N.O.)
 COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- 9 DIVIDED LIGHT WINDOW w/ CLEAR GLASS FRAME COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE SASH COLOR: DUNN EDWARDS # DE 6021 OUTER BOUNDRY
- 10 ALL HARDWARE FOR FALSE BARN DOORS TO BE POWDER COATED FLAT BLACK
- WOOD RAILING COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- 12 EXTERIOR WOOD FASCIA
 COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- 13 METAL DOOR COLOR: PER PLAN
- 14 CORRUGATED METAL ROOF COLOR: NATURAL GALV. METAL (NO PAINT)
- 15 STRUCTURAL WOOD BRACE COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- EXTERIOR LANTERN STYLE LIGHTING FIXTURE (REFER TO ELECTRICAL PLANS)
- DECORATIVE GABLE ROOF WOOD ELEMENT COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- COMPOSITION SHINGLES, BY OWENS CORNING (OR EQUAL)
 STYLE: TRUDEFINITION DURATION
 COLOR: SAND DIVINE
- 19 2x WOOD TRIM COLOR: PER PLAN
- 20 4" WIDE WOOD TRIM COLOR: FINISH TO MATCH ADJACENT SURFACE
- 21 PARAPET METAL COPING / FLASHING, COLOR: DUNN EDWARDS # DEW351 ANTIQUE WHITE
- 22 PRECAST CONC. CAP, COLOR TO MATCH CONC. BLOCKS
- 23 8x8x16 SPLITFACE CONCRETE BLOCKS, BY "RCP BLOCK & BRICK" (OR EQUAL), COLOR: LA PAZ
- EXTERIOR GOOSE NECK STYLE LIGHTING FIXTURE (REFER TO ELECTRICAL PLANS)
- LOCATION OF ELECTRICAL SWITCH GEAR FOR BUILDING (REFER TO ELECTRICAL PLANS)

PAINT COLORS:

- EL DORADO COUNTY
- DUNN EDWARDS # CLEAR SEAL (FLAT FINISH) PLANNING COMMISSION
 Board of Supervisurs

 DATE April 5, 20/6



3578 30th Street San Diego, CA 92104 V. 619.236.0595 F. 619.236.0557

www.mpa-architects.com AMERICAN INSTITUTE OF ARCHITECTS

CLIENT

Simon CRE Abbie, LLO 5111 N. SCOTTSDALE ROAD SUITE 200, SCOTTSDALE, AZ. 85250

Contact: Jared Atkisson DIRECTOR OF CONSTRUCTION jared.atkisson@simoncre.com (480) 745-7862 :office (480) 588-4150 :fax

PROJECT

REVISIONS

DESCRIPTION



ENGINEER NOTES

2. THE ESTIMATED QUANTITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETENESS AND ACCURACY OF A DETAILED ESTIMATE BASED ON THESE PLANS, CURRENT CODES, AND SITE VISITATION.

ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LOCAL JURISDICTION OR GOVERNMENT STANDARD DETAILS AND/OR SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO, AND ALL ADDENDA. THE CONTRACTOR IS TO FOLLOW THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEERING INVESTIGATION, AS PREPARED BY EAS PROFESSIONALS, PHONE: 559-271-9700, PROJECT NO. EAS-14-406 DATED 10.10.2014.

PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS. REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY IN QUANTITIES. NO CLAIMS SHALL BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.

THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

6. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES, POWER POLES, ETC.

THE CONTRACTOR SHALL MAKE NO CLAIM AGAINST THE OWNER OR THE SURVEYOR REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE SURVEYOR UNLESS ALL SURVEY STAKES SET BY THE ENGINEER ARE MAINTAINED INTACT AND CAN BE VERIFIED AS TO THEIR ORIGIN, IF, IN THE OPINION OF THE SURVEYOR. THE STAKES ARE NOT MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OF IMPROPER CONSTRUCTION WORK SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.

THE SURVEYOR WILL MAKE FIELD AS-BUILT MEASUREMENTS OF THE WORK UPON NOTIFICATION BY THE CLIENT OR HIS REPRESENTATIVE THAT THE WORK IS COMPLETE AND READY FOR AS-BUILT SURVEY. FOR PIPE WORK, THE CONTRACTOR IS RESPONSIBLE FOR LEAVING TRENCHES OPEN SO THAT AS-BUILTS CAN BE PERFORMED TO COMPLY WITH THE LOCAL JURISDICTION REQUIREMENTS. IF THE TRENCHES ARE BACKFILLED AND OBSCURED TO THE POINT THAT AS-BUILT MEASUREMENTS CANNOT BE PERFORMED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POTHOLE UTILITY TRENCHES AS NECESSARY TO COMPLETE AN AS-BUILT SURVEY.

THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION. OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.

O. EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED ACCORDING TO INFORMATION PROVIDED BY THE AGENCY OPERATING EACH UTILITY. LOCATIONS SHOWN ARE APPROXIMATE ONLY, AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. CALL 811 FOR FIELD LOCATION. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND.

11. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION, OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.

12. ANY INSPECTION BY THE CITY, COUNTY, ENGINEER, OR OTHER JURISDICTIONAL AGENCY, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.

13. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL STORM DRAIN PIPES, STORM WATER RETENTION PIPES AND DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION. THE DEPTH OF COVER ON THE STORM DRAIN PIPE IS DESIGNED FOR FINAL GRADE. THEREFORE, EXTRA CARE SUCH AS BERMING OVER PIPES, FLAGGING OR SIGNAGE SHOULD BE USED DURING CONSTRUCTION TO MAINTAIN COVER OR PROTECT THE PIPES.

14. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING 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 THAT ARE BEYOND THE CONTROL OF THE ENGINEER. EARTHWORK QUANTITIES ON THIS SHEET ARE FOR PERMITTING PURPOSES ONLY.

15. IF PAD CERTIFICATIONS ARE PERFORMED. IT IS UNDERSTOOD THAT THE CERTIFICATION PROVIDES ONLY A REPRESENTATIVE ELEVATION OF THE AVERAGE GRADE OF EACH LOT, BUILDINGS OR UNIT PAD, AND SHALL NOT BE CONSTRUED TO INCLUDE YARD AND STREET SUB-GRADE CERTIFICATION OR CERTIFICATION THAT THE ENTIRE PAD IS LEVEL. THAT IT WAS CONSTRUCTED IN THE DESIGNED LOCATION OR WAS GRADED TO THE CROSS-SECTION SET FORTH ON THE PLANS OR AS DESIGNATED IN THE SOILS REPORT.

16. FINISH GRADES SHOWN ON THESE PLANS ARE THE FINAL FINISH GRADES. CONTRACTOR IS RESPONSIBLE FOR OVER-EXCAVATING LANDSCAPE AREAS TO ALLOW FOR PLANTING AND UTILITY TRENCHING SPOILS AND FOR THE FINAL LANDSCAPE TREATMENT (DECOMPOSED GRANITE, LAWN, ETC.).

FEMA FLOOD ZONE

THE PROPERTY SHOWN HEREON IS SHOWN ON FEMA FLOOD FIRM INDEX PANEL NO. 06017CINDOA (DATED SEPTEMBER 26, 2008) AS ALL OF PANEL NO. 06017C0225E (PANEL NOT PRNTED) BEING ZONE "D" DESCRIBED AS AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, BUT POSSIBLE.

ENGINEER'S ESTIMATED EARTHWORK QUANTITIES

CUT(RAW) FILL(RAW)

1,498 C.Y. 3,088 C.Y.

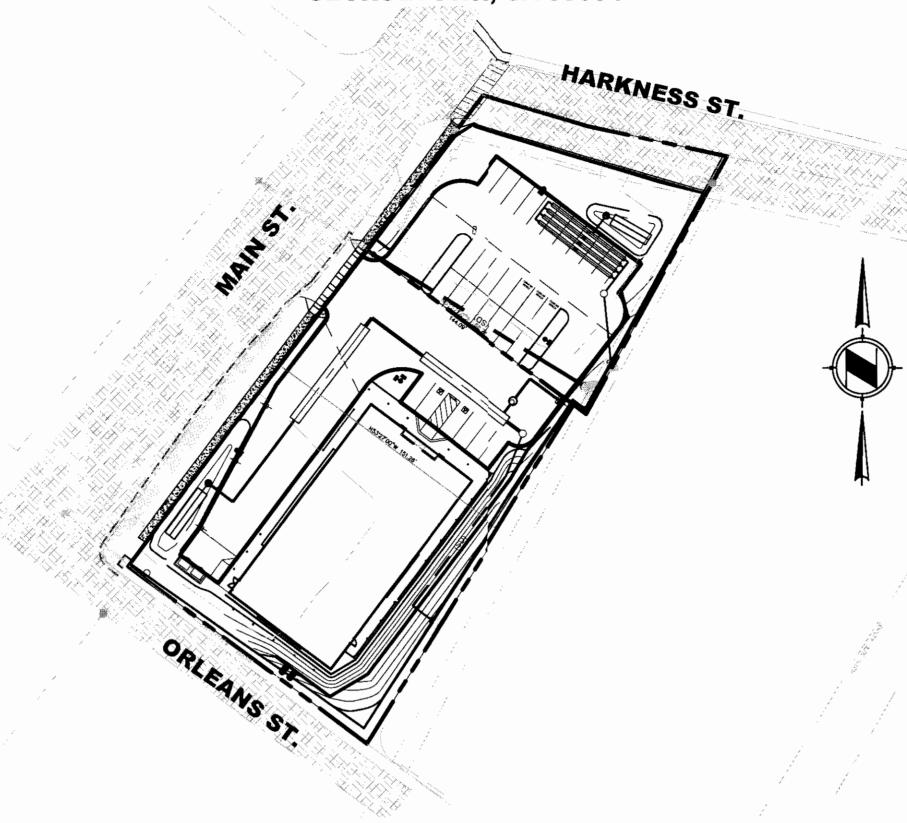
NET EARTHWORK QUANTITY (RAW)

1.590 C.Y.(IMPORT)

NOTE: EARTHWORK QUANTITIES ARE **ESTIMATED** VOLUMES BASED ON RAW VALUES. THE CONTRACTOR SHALL PREPARE HIS OWN EARTHWORK ANALYSIS FOR BIDDING PURPOSES.

IMPROVEMENT PLANS

DOLLAR GENERAL MAIN ST. AND HARKNESS ST. **GEORGETOWN, CA 95634**



DRAINAGE AREA DRAINAGE AREA OSEWER CLEAN OUT PROPERTY BOUNDARY GRADE BREAK EXISTING MINOR CONTOUR EXISTING MAJOR CONTOUR PROPOSED WATER LINE PROPOSED MAJOR CONTOUR TOWN WATER FIRELINE WATER SANITARY SEWER SOUNDARY WATER SERVICE EXISTING MANHOLE PROPOSED GRADING RIP RAP CONCRETE NEW FRONTAGE PAVING EXISTING FIRE HYDRANT PROPOSED FIRE HYDRANT STORM DRAIN CONCEPTUAL ELECTRICAL LINE CONCEPTUAL GAS LINE EXISTING WATER EXISTING WATER EXISTING WATER EXISTING WATER EXISTING WATER EXISTING GAS FT FOOT NORTH EXISTING SEWER N NORTH SAWCUT LINE E EAST SILT FENCE W WEST STONE TRACKING MAT
INLET PROTECTION/SANDBAG BEAM 1.0% PROPOSED SLOPE TOP OF CURB ELEVATION FS FINISHED SURFACE ELEVATION TOP OF WALL GB GRADE BREAK SIGHT VISIBILITY TRIANGLE TF TOP OF FOOTING EDID TW TOP OF FOOTING EDID TW TOP OF WALL BW BOTTOM OF WALL
E DASIS OF READINGS OF THIS SUBVEY IS IDENTICAL TO THAT OF THE MAD FILED IN BOOK

THE BASIS OF BEARINGS OF THIS SURVEY IS IDENTICAL TO THAT OF THE MAP FILED IN BOOK 6 OF PARCEL MAPS AT PAGE 113, EL DORADO COUNTY RECORDS AND FROM MONUMENTS SHOWN HEREON AS FOUND.

BENCHMARK

LEGEND

VERTICAL DATUM: NAVD88

NGS BENCHMARK "H 159 USGS" (PID JS0544) - ELEV. 2651.6' 3 1/2" BRASS DISC "ABOUT 144 YARDS SOUTH OF THE GEORGETOWN POST OFFICE, AT MAIN CROSSROADS, 60 FEET WEST AND 38 FEET NORTH OF THE CENTER LINE OF THE JUNCTION, AT AN ASSOCIATED SERVICE STATION, PROJECTING THROUGH THE SOUTHWEST ENTRANCE OF THE CONCRETE DRIVEWAY LEADING TO THE GASOLINE PUMPS. AND 12.5 FEET SOUTHWEST OF THE SOUTHWEST PUMP.

CIVIL ENGINEER

TTG ENGINEERS SCOTTSDALE, AZ 85251

MPA ARCHITECTS INC. 3578 30TH STREET SAN DIEGO, CA 92104 V: 619.236.0595

C3...... GRADING AND PAVING PLAN

C8...... GRADING & DRAINAGE DETAILS

S1..... RETAINING WALL DETAILS

LEGAL DESCRIPTION

REAL PROPERTY IN THE UNINCORPORATED AREA OF THE COUNTY OF EL DORADO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOWER MAIN STREET

PARCEL ONE:

DESIGNATED AND NUMBERED ON THE OFFICIAL MAP AND IN THE FIELD NOTES OF THE OFFICIAL MAP AND IN THE FIELD NOTES OF THE OFFICIAL SURVEY OF SAID TOWNSITE NOW ON FILE AND OF RECORD IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY OF EL DORADO STATE OF CALIFORNIA.

GEORGETOWN

VICINITY MAP

EXCEPTING THEREFROM ALL THAT PORTION THEREOF LYING WITHIN THE BOUNDS OF THE WOODSIDE QUARTS MINE. THE SUB-SURFACE THEREOF AS PATENTED TO MILTON A. WOODSIDE. ET AL BY PATENT RECORDED JANUARY 3. 1882 IN BOOK B, OF PATENTS, PAGE 475, EL DORADO COUNTY RECORDS.

PARCEL TWO:

OF MAIN STREET IN THE TOWNSITE OF GEORGETOWN, COUNTY OF EL DORADO, STATE OF CALIFORNIA, THENCE 150 FEET IN AN EASTERLY DIRECTION TO THE NORTHEAST CORNER OF SAID LOT 10, THENCE 80 FEET IN A NORTHERLY DIRECTION. THENCE 142.5 FEET IN A WESTERLY DIRECTION TO THE WEST

A PORTION OF LOT 9. BLOCK 1. TOWNSITE OF GEORGETOWN BEING A PORTION OF THE WEST HALF

PARCEL 1, AS SHOWN ON THAT CERTAIN PARCEL MAP FILED IN THE OFFICE OF THE COUNTY RECORDER, COUNTY OF EL DORADO, STATE OF CALIFORNIA, ON OCTOBER 4, 1974, IN BOOK 6 OF PARCEL MAPS, AT PAGE 113.

061-362-04-100 (AFFECTS PARCEL THREE)

AFFROMED EL DORADO COUNTY Bard of Supervisors

BATE April 5, 20/6 EXECUTIVE SECURETARY



06-03-15

PREPARED UNDER THE DIRECT

ANDREW S. MIZEREK DATE

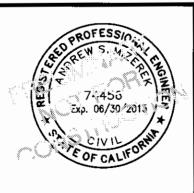
EXPIRES JUNE 30, 2015

SUPERVISION OF:

R.C.E. No. 74456







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OWNER SIMON CRE ABBIE, LLC 5111 N. SCOTTSDALE RD. SUITE 200 SCOTTSDALE, AZ 85250 PHONE: 480-745-1956 FAX: 480-588-4150 CONTACT: JOSHUA SIMON

4300 N. MILLER ROAD, SUITE 122 PHONE: 602-371-1333 FAX: 602-371-0675 CONTACT: MIKE JACKSON

ARCHITECT

F: 619.236.0557 CONTACT: LEONARDO DALE

SHEET INDEX

C1...... COVER SHEET, LEGEND & NOTES C2...... GRADING AND DRAINAGE PLAN

C4...... HORIZONTAL CONTROL PLAN & STORM WATER MANAGEMENT DETAIL C5...... UTILITY PLAN

C6...... STORM WATER SOIL LOSS PREVENTION PLAN C7...... STORM WATER SOIL LOSS PREVENTION DETAILS

C9...... DETAILS

LOTS 10, 11 AND 12, BLOCK 1, OF THE TOWNSITE OF GEORGETOWN AS THE SAME ARE MARKED,

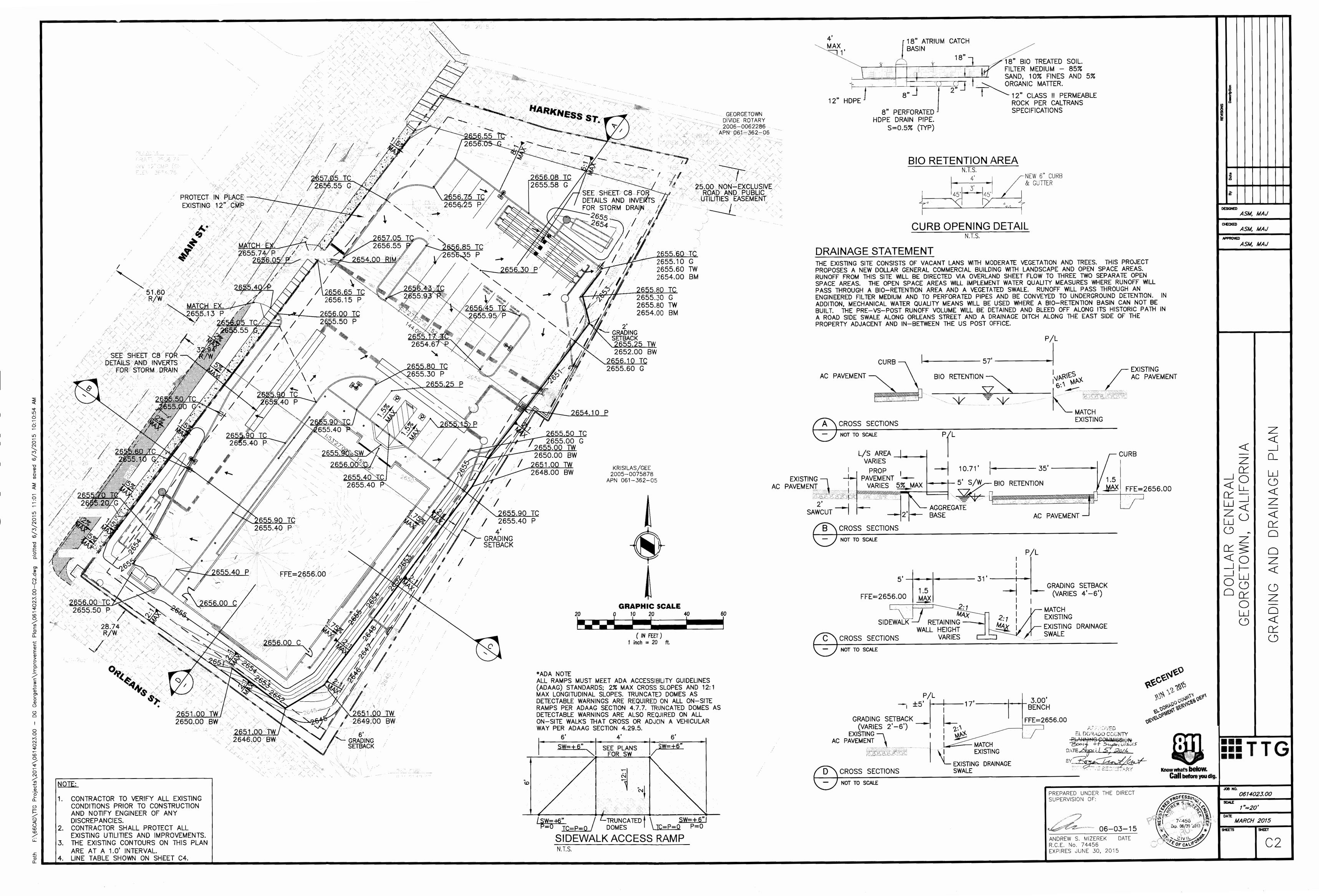
COMMENCING AT THE NORTHWEST CORNER OF LOT 10 IN BLOCK 1. LYING ON THE EASTERLY SIDE LINE OF SAID BLOCK 1. THENCE 80 FEET IN A SOUTHERLY DIRECTION ALONG SAID WEST LINE TO THE PLACE OF BEGINNING, AND BEING A PORTION OF LOT 9 IN SAID BLOCK 1.

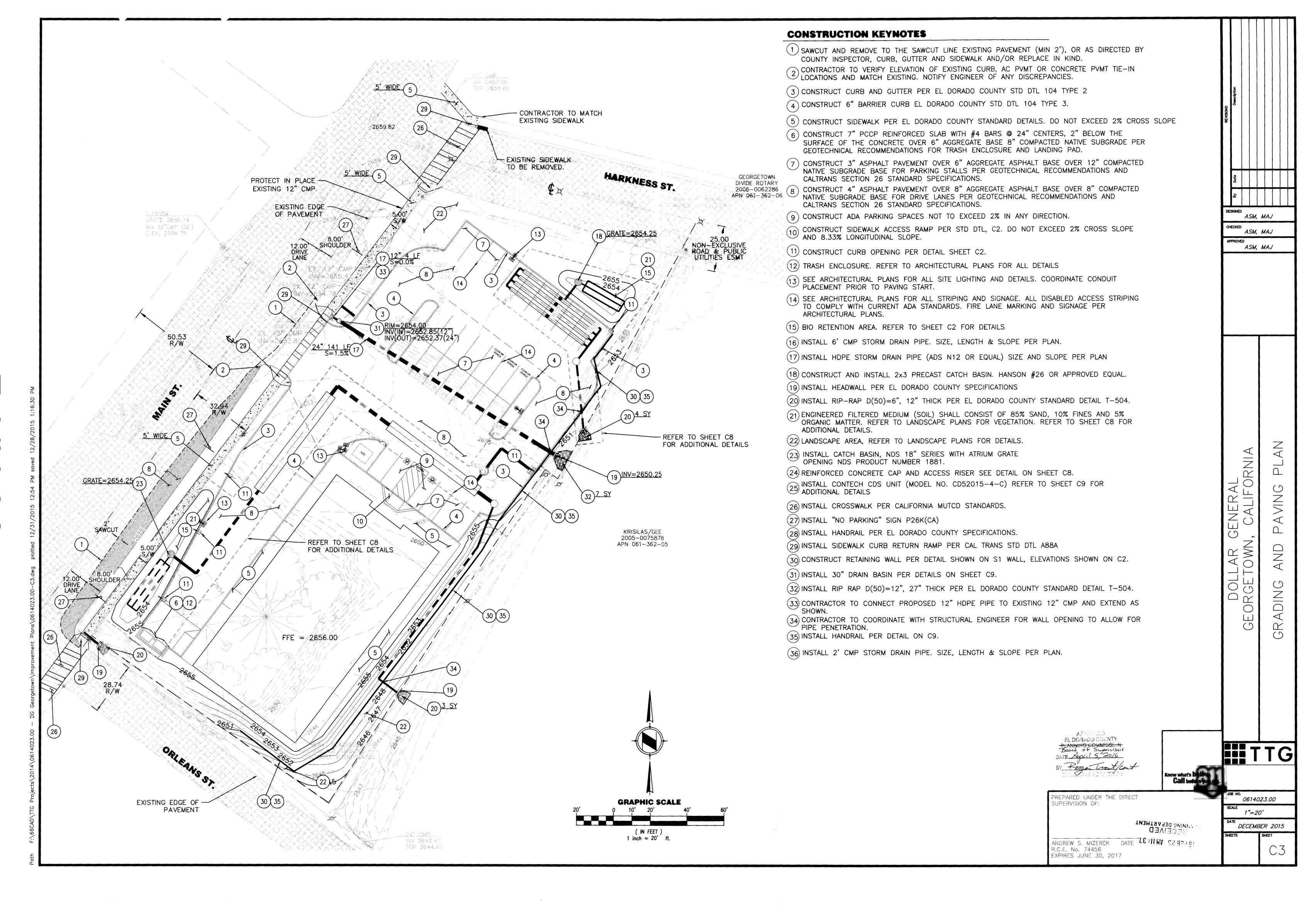
PARCEL THREE:

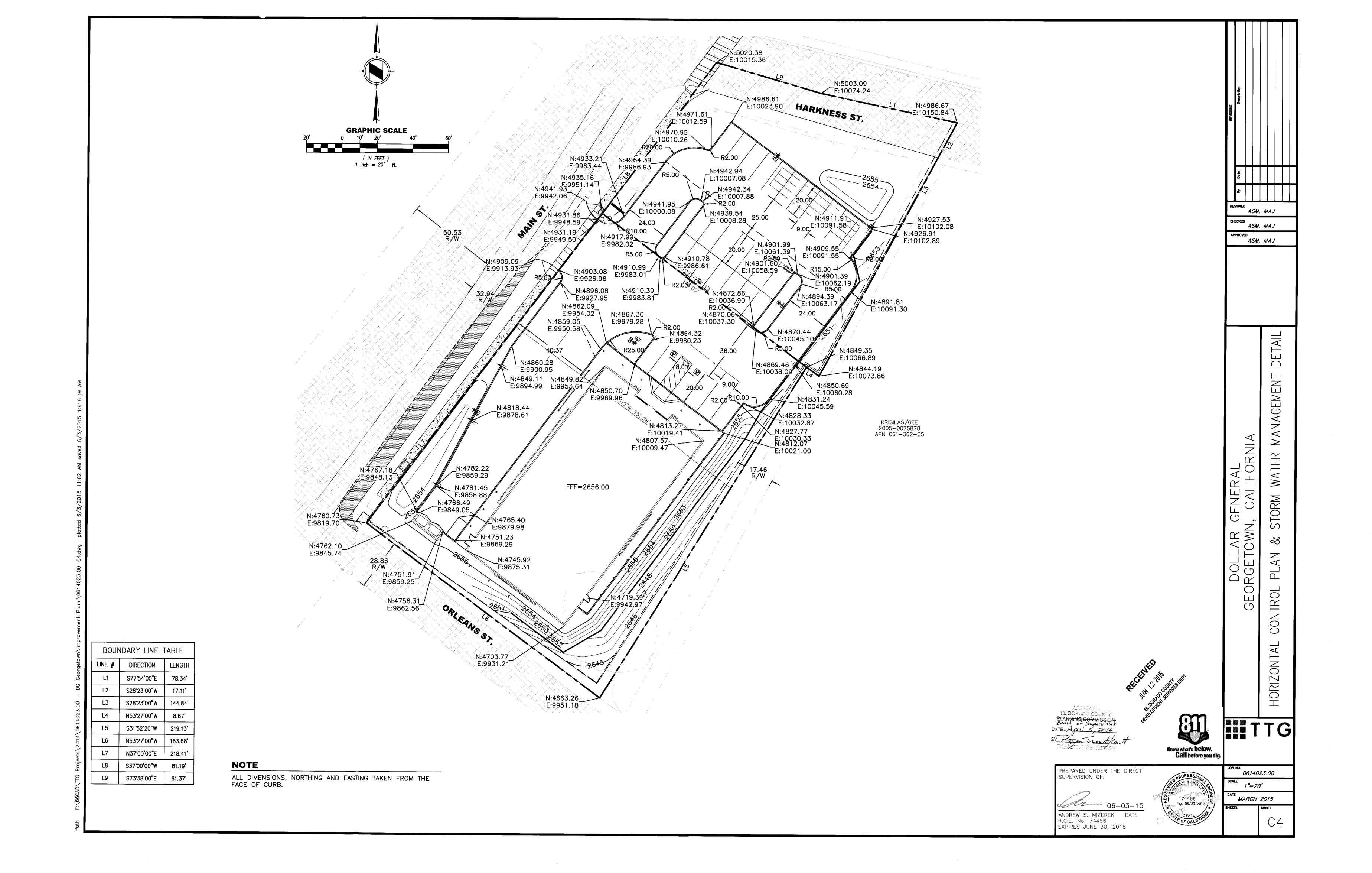
OF THE NORTHWEST QUARTER OF SECTION 11, TOWNSHIP 12 NORTH, RANGE 10 EAST, M.D.B.&M., MORE PARTICULARLY DESCRIBED AS FOLLOWS:

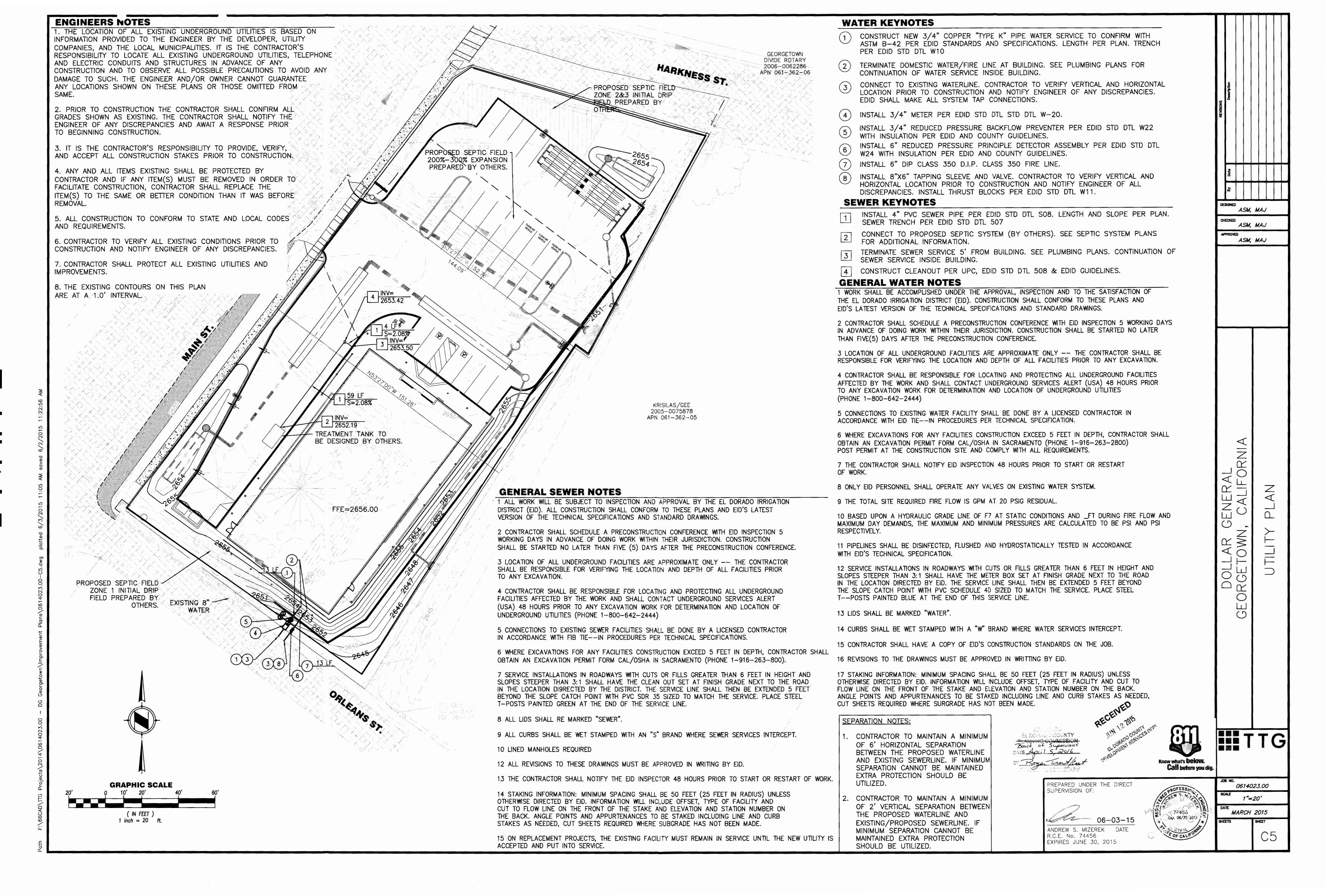
EXCEPTING THEREFROM ALL THE SUB-SURFACE THEREOF AS PATENTED TO MILTON A. WOODSIDE, ROBERT W. ASH AND JAMES W. SHANKLIN, BY PATENT RECORDED JANUARY 3, 1882, IN BOOK B OF PATENTS AT PAGE 475, RECORDS OF EL DORADO COUNTY, KNOWN AS THE WOODSIDE QUARTZ MINE; AND AS PATENTED TO A.E. GRIMS BY PATENT RECORDED JANUARY 15, 1876 IN BOOK A OF PATENTS, AT PAGE 373 RECORDS OF EL DORADO COUNTY, KNOWN AS THE EUREKA QUARTZ MINE AND MILLSITE, AS RESERVED IN DEED FROM HARRY C. GRAVELLE, JR., ET UX, RECORDED JANUARY 18, 1963, IN BOOK 621 OF OFFICIAL RECORDS, AT PAGE 350.

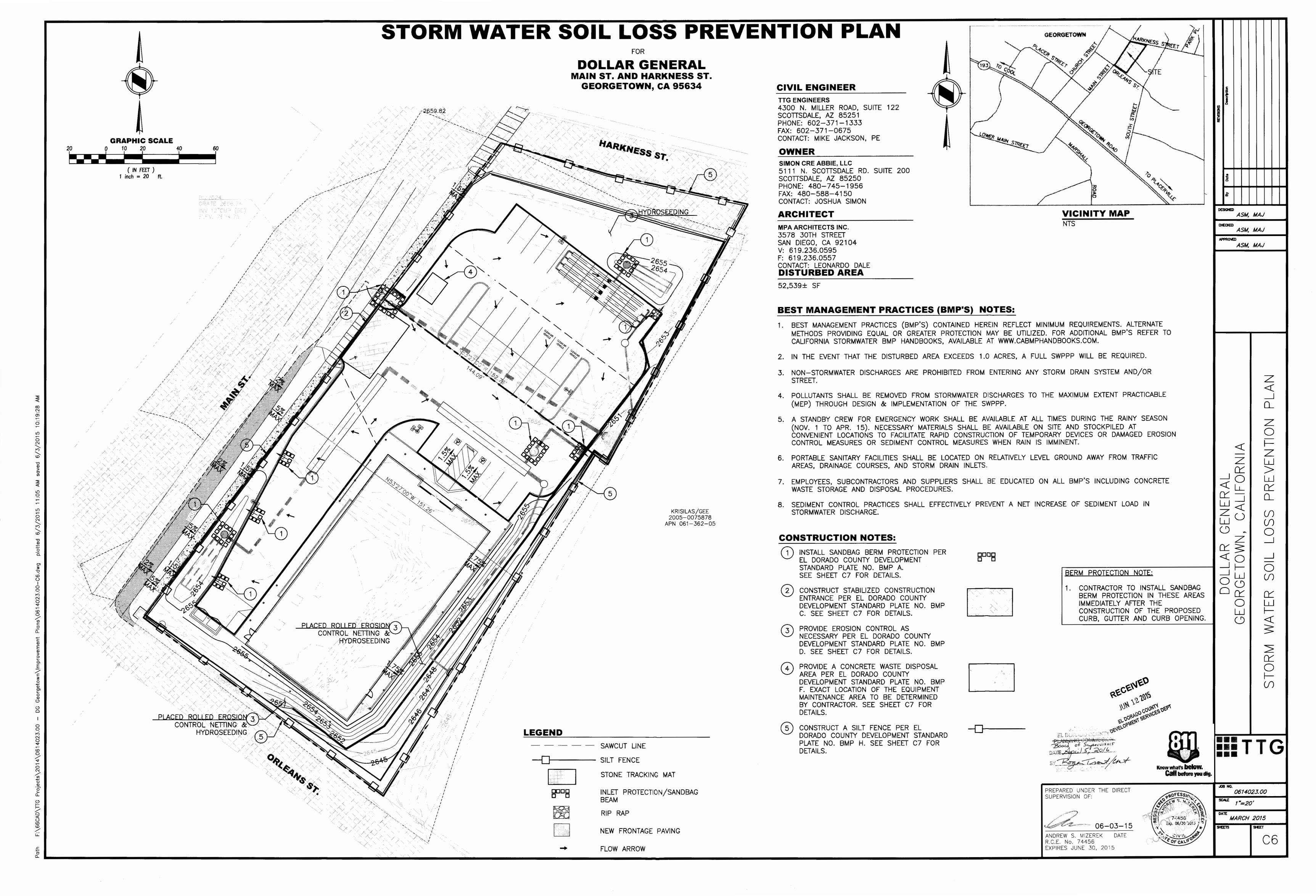
APN: 061-362-01-100 (AFFECTS PARCEL ONE), 061-362-02-100 (AFFECTS PARCEL TWO) AND

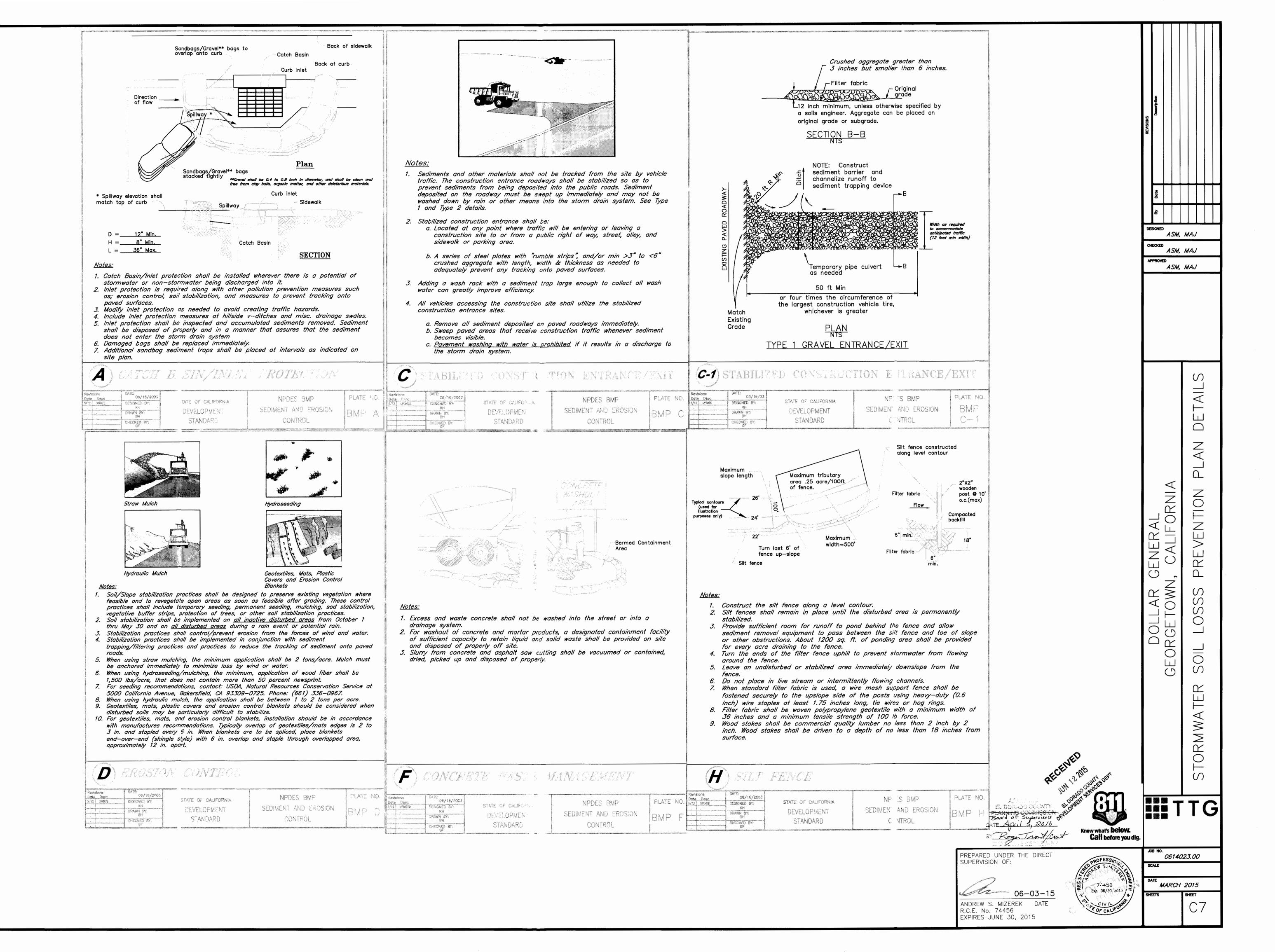


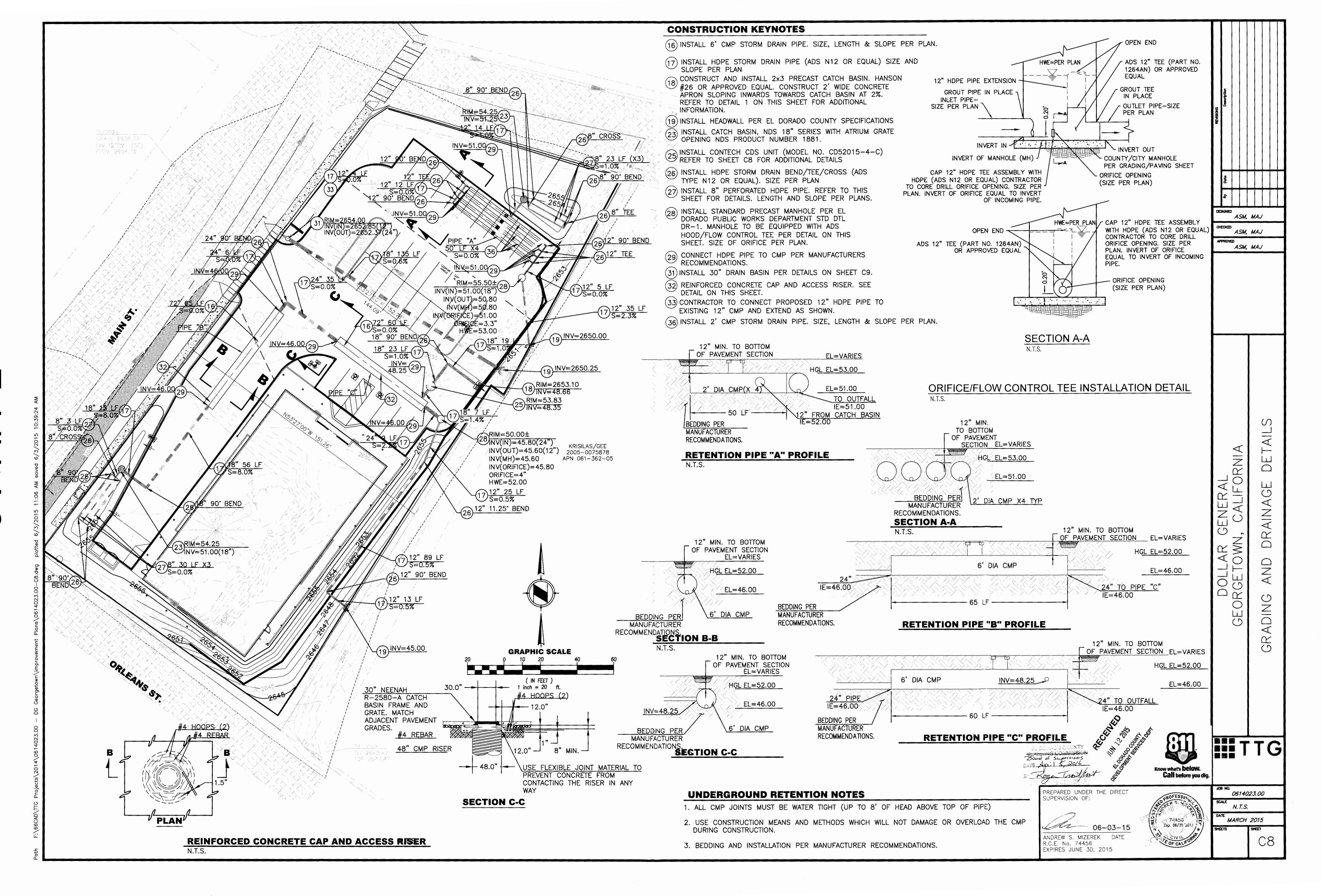












I. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.

2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.

3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com

4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.

5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.

6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.

B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED)

. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE. O. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.

CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CDS2015-4-C DESIGN NOTES

CDS2015-4-C RATED TREATMENT CAPACITY OF 0.7 CFS [19.8 L/S], OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 10.0 CFS [283 L/S]. IF THE SITE CONDITIONS EXCEED 10.0 [283 L/S] CFS. AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

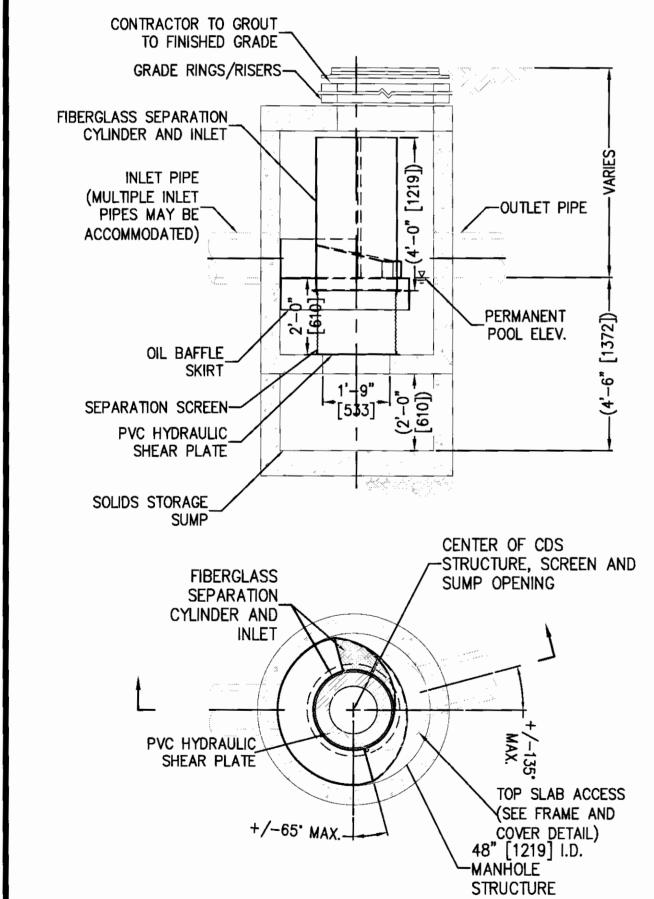
GRATED INLET ONLY (NO INLET PIPE)

GRATED INLET WITH INLET PIPE OR PIPES CURB INLET ONLY (NO INLET PIPE)

CURB INLET WITH INLET PIPE OR PIPES

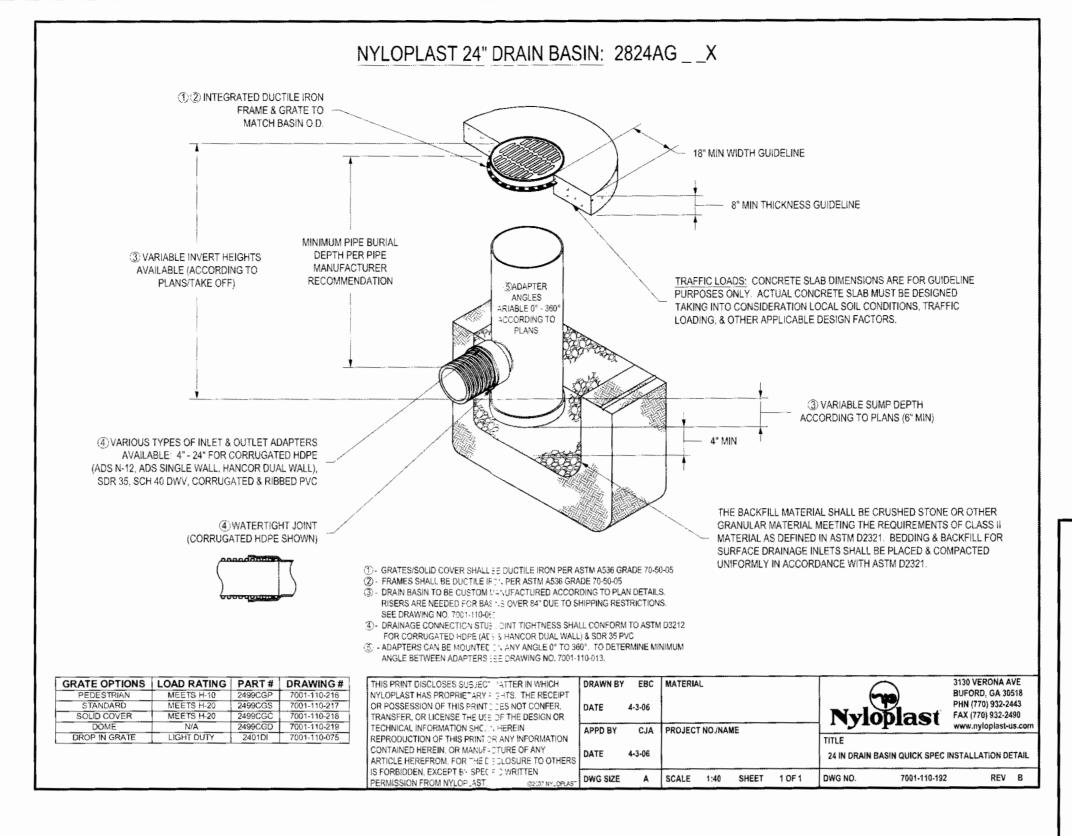
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)

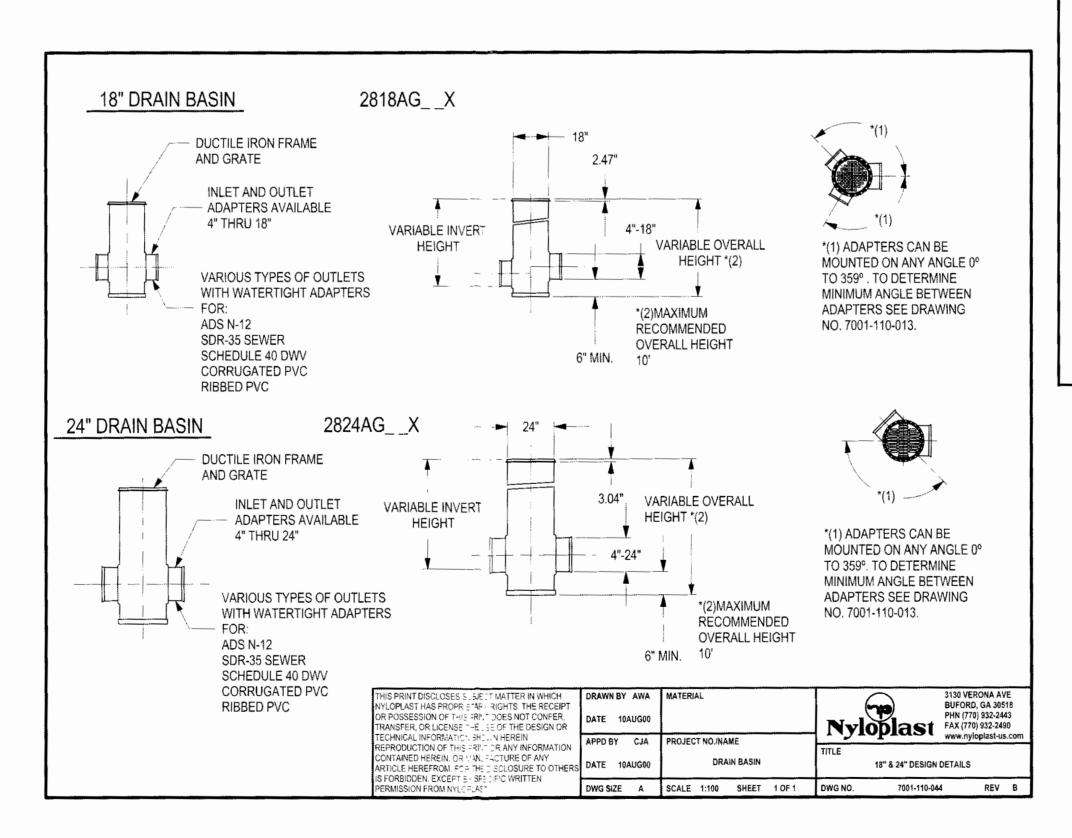
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS

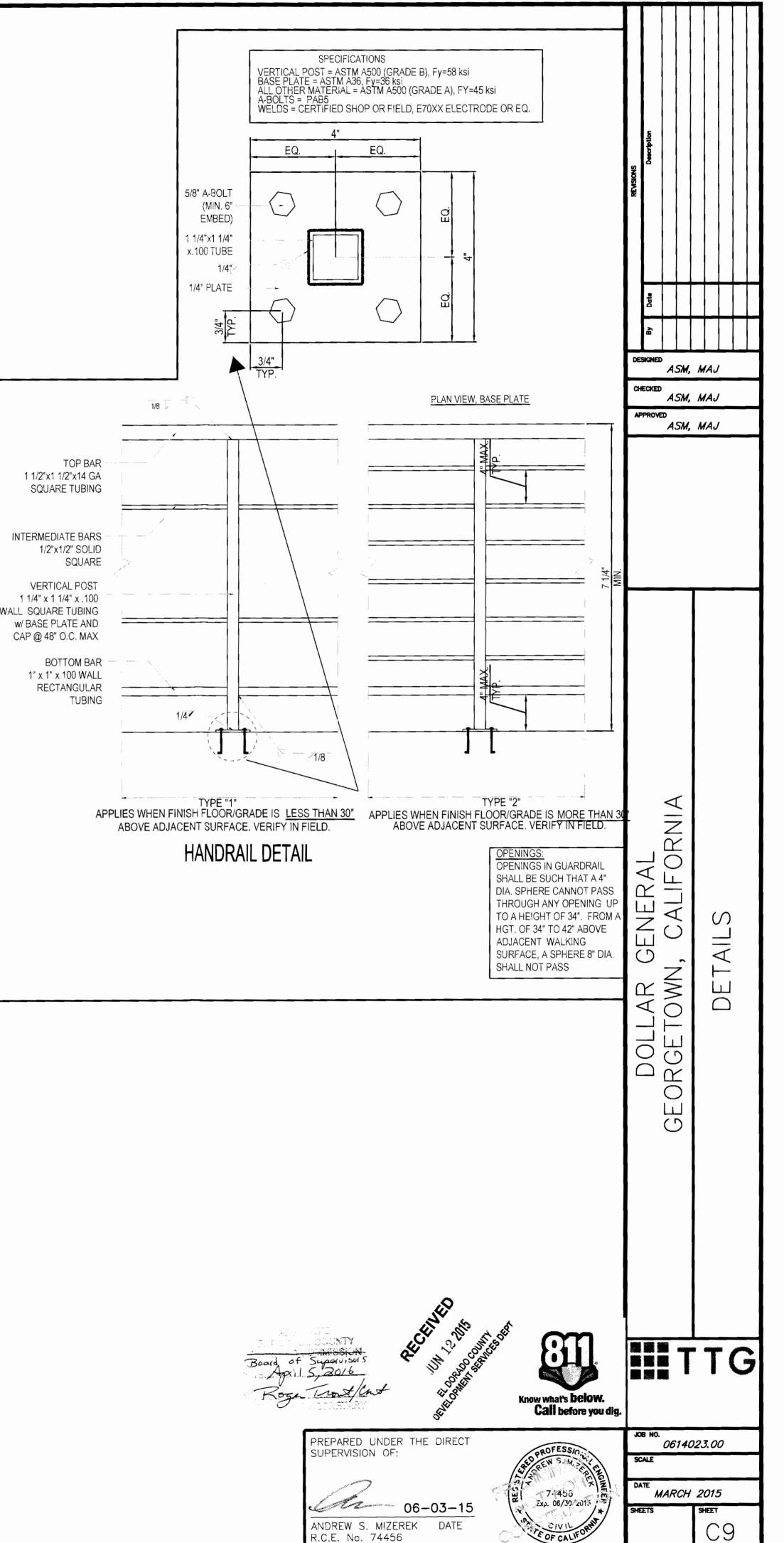


CONTECH UNIT

CDS2015-4-C







EXPIRES JUNE 30, 2015

GENERAL NOTES:

- 1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS, AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND ADDITIONAL ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- 2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA BUILDING CODE (CBC) 2013 EDITION WITH LOCAL
- 3. THE WORK AS OUTLINED IN THE SPECIAL INSPECTION TABLES ON SHEET SO61 IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
- THE LATERAL-LOAD-RESISTING SYSTEM FOR THIS STRUCTURE CONSISTS PRIMARILY OF THE FOLLOWING:
- INTERMEDIATE REINFORCED MASONRY SHEARWALLS
- THESE ELEMENTS PROVIDE FOR LATERAL STRENGTH AND STABILITY IN THE COMPLETED STRUCTURE.
- 4. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS AND LATERAL BRACING ARE IN PLACE. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS.
- 5. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, AND OTHER REQUIREMENTS NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING STRUCTURE. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS AND CALCULATIONS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. THESE DRAWINGS REPRESENT ONLY PART OF THE COMPLETED SET OF DOCUMENTS. THE CONTRACTOR SHALL COORDINATE WITH ALL OF THE CONTRACT DOCUMENTS AND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 6. LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
- LIVE LOAD REDUCTION OF THE UNIFORMLY DISTRIBUTED FLOOR LIVE LOADS HAS BEEN UTILIZED IN CONFORMANCE WITH IBC.

:	LAB-ON-GRADE100 P	SF

7. WIND DESIGN CRITERIA

		(ULTIMATE)115 MP	
WIND	LOAD	(NOMINAL)90 MP	Н
		<pre>IMPORTANCE FACTOR (IW)1.</pre>	
WIND	EXPOS	SURE CATEGORY	C
RISK	CATEG	GORYI	I

- 8. SECTIONS AND DETAILS SHALL BE INCORPORATED AT ALL APPROPRIATE LOCATIONS, WHETHER SPECIFICALLY CUT OR NOT. TYPICAL DETAILS ARE NOT CUT ON PLANS, BUT SHALL APPLY AT ALL APPROPRIATE LOCATIONS.
- THESE DOCUMENTS REPRESENT THE COMPLETED STRUCTURE. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS AND METHODS OR THE SAFETY PRECAUTIONS REQUIRED. NOR SHALL THE STRUCTURAL ENGINEERS INSPECTIONS OR OBSERVATIONS PERFORMED DURING CONSTRUCTION INCLUDE ANY RESPONSIBILITY FOR THESE ITEMS.

FOUNDATION NOTES:

- 1. FOUNDATIONS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL EXPLORATION REPORT, PREPARED BY EAS PROFESSIONALS, DATED OCTOBER 10, 2014, REPORT NUMBER EAS-14-406.
- 2. FOUNDATIONS HAVE BEEN DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.

3. FOUNDATIONS SHALL BEAR ON ENGINEERED FILL MATERIAL NOT LESS THAN

- 18" IN DEPTH. SCARIFY AND RECOMPACT TOP 24 INCHES OF EXISTING SUBGRADE AND EACH 6" LAYER OF BACKFILL OR FILL SOIL MATERIAL TO A MINIMUM OF 90% MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557.
- 4. THE MINIMUM DEPTH OF THE TOP OF FOOTINGS BELOW THE FINISHED GRADE SHALL BE 12".
- 5. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY THE OWNER'S TESTING AGENCY TO EXPLORE THE EXTENT OF LOOSE, SOFT OR OTHERWISE UNSATISFACTORY SOIL MATERIAL AND TO VERIFY DESIGN BEARING PRESSURE. THE OWNER'S TESTING AGENCY SHALL REPORT FINDINGS TO THE STRUCTURAL ENGINEER OF RECORD AND DIRECTION FOR CORRECTIVE ACTION WILL BE PROVIDED WHERE REQUIRED.
- 6. NO UNBALANCED BACKFILL SHALL BE PLACED AGAINST MASONRY OR CONCRETE WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY CONSTRUCTION BRACING OR BY PERMANENT CONSTRUCTION.
- 7. PROVIDE PROPER DRAINAGE WITHIN 15'-0" OF THE BUILDING EXTERIOR ACCOUNT FOR SURFACE RUN-OFF OF THE BUILDING AND ADJACENT SURFACES.
- 8. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR SLABS NOT
- 9. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECTS OF THIS PROJECT. ALL INFORMATION PROVIDED WAS TAKEN FROM THE GEOTECHNICAL REPORT PROVIDED.

CAST-IN-PLACE CONCRETE NOTES:

- 1. ALL CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF ACI 301 AND ACI 318.
- 2. ALL CONCRETE WORK SHALL COMPLY WITH THE FOLLOWING:

CEMENT PER ASTM C150, TYPE II. AGGREGATE PER ASTM C33. CONCRETE SHALL BE NORMAL WEIGHT.

CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C94 3. CONCRETE SHALL BE NORMAL WEIGHT UNLESS DENOTED AS LW AND SHALL BE DESIGNED FOR A MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:

FOUNDATIONS -----3,000 PSI* *DESIGNED FOR 2500 PSI

- 4. FLY ASH IF PERMITTED BY ARCHITECT SHALL CONFORM TO ASTM C618, CLASS F AND SHALL BE LIMITED TO 25% OF CEMENTITIOUS MATERIALS.
- 5. ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4". IF A SUPER PLASTICIZER IS USED, AN 8" MAXIMUM SLUMP IS ALLOWED AT THE POINT OF PLACEMENT. ALL MIX DESIGNS SHALL BE DESIGNED BY THE CONCRETE PRODUCTION FACILITY IN ACCORDANCE WITH ACI 301. MIX DESIGNS FOR POST-TENSIONING CONCRETE SHALL BE PROPORTIONED SO AS TO MINIMIZE SHRINKAGE CRACKING.

GENERAL STRUCTURAL NOTES

- 6. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR BOLTS AND WELD PLATES SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.
- MECHANICALLY VIBRATE ALL CONCRETE PER ACI.
- ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS. KEYED CONTROL JOINTS ARE REQUIRED AT EXPOSED EDGES DURING POURING, AND SUCH THAT NO SINGLE POUR IS LARGER THAN 4000 SQUARE FEET WITHOUT APPROVAL, ALL OTHER JOINTS MAY BE SAW CUT. EXPANSION JOINT MATERIAL OF ½" IS REQUIRED WHEREVER THE SLAB ON GRADE ABUTS A VERTICAL SURFACE. ALL CONCRETE SLABS OVER STEEL DECK SHALL BE BOUND BY CONTROL JOINTS (KEYED OR SAWCUT) SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 900 SQUARE FEET.
- 9. ALL CONCRETE PLACEMENT SHALL COMPLY WITH THE HOT AND COLD WEATHER REQUIREMENTS OF ACI UNLESS APPROVED BY THE ARCHITECT. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH PER ACI 301.
- 10.ALL CONCRETE SHALL BE TESTED FOR COMPRESSIVE STRENGTH AND SLUMP PER ASTM C31, C39 AND C143. PROVIDE A MINIMUM OF 4 CYLINDERS FOR EACH DAY'S PLACEMENT OR FOR EVERY 50 CUBIC YARDS, WHICHEVER IS GREATER. A QUALIFIED TESTING LABORATORY SHALL TEST ONE CYLINDER AT 7 DAYS AND TWO AT 28 DAYS AND SHALL HAVE 1 ADDITIONAL CYLINDER AS A SPARE.

CONCRETE MASONRY NOTES:

- 1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND SHALL BE NORMAL WEIGHT, GRADE N. WITH AN F'm = 1,500 PSI. CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND WITH A NET UNIT COMPRESSIVE STRENGTH OF 1900 PSI PER ASTM C140.
- 2. MORTAR SHALL BE TYPE S WITH A COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS, TESTED PER ASTM C109.
- 3. GROUT SHALL COMPLY WITH ASTM C 476, AND SHALL BE PROPORTIONED TO OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. GROUT SHALL BE FREE OF CHLORIDE AND AIR-ENTRAINMENT.
- 4. ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 10". ALL MIX DESIGNS SHALL BE DESIGNED BY THE CONCRETE PRODUCTION FACILITY IN ACCORDANCE WITH ACI 530.
- . MORTAR SHALL COMPLY WITH ASTM C 270, TYPE S, 1800 PSI. PRE-MIXED MORTAR AND RETARDANT ADDITIVES SHALL NOT BE USED. AGGREGATE FOR MORTAR SHALL COMPLY WITH ASTM C 144. AGGREGATE FAILING TO COMPLY WITH ASTM C 144 GRADATION REQUIREMENTS MAY BE USED PROVIDED THE MORTAR CAN BE PREPARED TO COMPLY WITH THE AGGREGATE RATIO, WATER RETENTION, AIR CONTENT, AND COMPRESSIVE STRENGTH REQUIREMENTS OF THE PROPERTY SPECIFICATIONS OF ASTM C 270. MORTAR SHALL BE TESTED PER ASTM C109.
- 6. PROVIDE VERTICAL REINFORCING BARS OF THE GIVEN SIZE AND SPACING SHOWN ON THE PLAN AND IN THE TYPICAL SCHEDULE. LAP CONTINUOUS REINFORCING STEEL 48 BAR DIAMETERS. INCREASE LAP LENGTH TO 62 BAR DIAMETERS WHEN THE MINIMUM COVER IS LESS THAN 5 BAR DIAMETERS OR WHEN ADJACENT SPLICES ARE SEPARATED BY LESS THAN 3 INCHES
- . PROVIDE REINFORCING STEEL DOWELS WITH HOOKS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM THE SUPPORTING STRUCTURE. DOWELS SHALL HAVE STANDARD ACT HOOKS.
- 8. SUPPORT AND FASTEN REINFORCEMENT TOGETHER TO PREVENT DISPLACEMENT. SECURE ALL VERTICAL REINFORCING AT 8'-0" VERTICALLY MAX BY
- 9. PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR THE BOND BEAMS AT BEARING ELEVATIONS. INTERMEDIATE BOND BEAMS SHALL BE PROVIDED AS REQUIRED TO CONFORM TO THE MAXIMUM SPACING OF HORIZONTAL REINFORCING, PER SCHEDULE UNO.
- 10.PROVIDE STANDARD 9 GAGE LADDER TYPE HORIZONTAL JOINT REINFORCING IN CMU WALLS AT 16" ON CENTER AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS. EXTENDING A MINIMUM OF 2 FEET BEYOND THE JAMB ON EACH SIDE OF THE OPENING, EXCEPT AT CONTROL JOINTS. PROVIDE STANDARD 9 GAGE TRUSS TYPE HORIZONTAL JOINT REINFORCING IN BRICK OR COMPOSITE WALLS. LAP JOINT REINFORCING 12 INCHES AT SPLICES.
- 11.ALL BOND BEAMS, REINFORCED CELLS, ALL CELLS BELOW GRADE, AND CELLS WITH EMBED PLATES OR OTHER ANCHORS SHALL BE GROUTED SOLID. GROUT PROCEDURES SHALL COMPLY WITH ACI 530.1.
- 12.MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING AND AGAIN ABOUT 5 MINUTES LATER. PROVIDE CLEANOUTS IF GROUT LIFT EXCEEDS 5'-0" IN BLOCK WALLS. MAXIMUM GROUT LIFTS SHALL BE PER TABLE 7 OF ACI 530.1 WITH EACH LIFT STOPPING 1-1/2" BELOW THE TOP COURSE OF THE LIFT. PLACE GROUT CONTINUOUS FOR THE HEIGHT OF LINTELS. DO NOT INTERRUPT GROUTING FOR MORE THAN ONE HOUR. FOG SPRAY ERECTED CMU EVERY 8 HOURS FOR 48 HOURS FOLLOWING INSTALLATION WHEN TEMPERATURES EXCEED 100 DEGREES OR WHEN THE TEMPERATURE EXCEEDS 90 DEGREES AND THE WIND SPEED IS GREATER THAN 8 MPH.
- 13.LAY UP TWO-WYTHE WALLS WITH FULL HEAD AND BED MORTAR JOINTS. ALL LONGITUDINAL VERTICAL JOINTS SHALL BE GROUTED SOLID.
- 14.UNLESS NOTED OTHERWISE ON THE PLANS, PLACE CONTROL JOINTS IN MASONRY WALLS SUCH THAT NO CONTINUOUS RUN OF WALL EXCEEDS 24'-0". CONTROL JOINTS SHALL NOT OCCUR WITHIN 4 FEET OF CORNERS, INTERSECTIONS, ENDS, AND WITHIN 24" OF CONCENTRATED POINTS OF BEARING OR JAMBS, OR OVER OPENINGS UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.
- 15.MORTAR AND GROUT SHALL BE TESTED BY A QUALIFIED TESTING AGENCY. MORTAR SHALL BE TESTED EVERY THIRD DAY AND GROUT SHALL BE TESTED FOR EACH 2000 SQUARE FEET OF WALL, OR EACH LIFT IF LESS THAN 2000 SQUARE FEET. PROVIDE 4 SAMPLES PER TEST. TEST ONE SAMPLE AT 7 DAYS, TWO SAMPLES AT 28 DAYS AND 1 SPARE.

REINFORCING STEEL:

1. REINFORCING STEEL SHALL CONFORM TO THE LATEST ACI AND CRSI DETAILING MANUAL AND THE FOLLOWING:

#4 AND LARGER DEFORMED BARSASTM A615 (Fy = 60 KS							
#3 AND SMALLER DEFORMED BARSASTM A615 (Fy = 40 KS							
ALL WELDED REINFORCING BARSASTM A7							
WELDED WIRE FABRICASTM A1							
WIREASTM A							

- ACCURATELY SUPPORT ALL REINFORCING. INCLUDING WELDED WIRE FABRIC. WITH GALVANIZED METAL CHAIRS, SPACERS OR HANGERS FOR THE FOLLOWING CLEAR CONCRETE COVERAGES U.N.O.: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ------ 3" EXPOSED TO EARTH OR WEATHER #6 OR LARGER ------ 2"
 - ALL OTHER CLEARANCES SHALL COMPLY WITH THE LATEST EDITION OF ACI

#5 AND SMALLER ----- 1 1/2"

- 3. LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318. LAP SPLICES IN CONCRETE COLUMNS SHALL BE STANDARD COMPRESSION LAP SPLICES. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH.
- 4. LAP SPLICES IN WELDED WIRE FABRIC SHALL BE A MINIMUM OF 8". REMOVE CROSS LINK OF WELDED WIRE FABRIC AT EACH SAW JOINT.
- 5. ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. SPLICED BARS SHALL BE PLACED AT THE SAME EFFECTIVE DEPTH U.N.O. ALL REINFORCING NOTED AS "CONTINUOUS" SHALL BE FULLY CONTINUOUS AND SPLICED. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL
- 6. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. SKEW HOOKS AS REQUIRED TO MAINTAIN CONCRETE COVER. SECURELY TIE ALL BARS IN PLACE PRIOR TO PLACEMENT OF CONCRETE.

- 1. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. NO MORE THAN THREE SETS OF BLUELINES AND ONE SET OF REPRODUCIBLES WILL BE REVIEWED FOR ANY SUBMITTAL.
- THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON HIS REVIEW. VERIFY ALL DIMENSIONS WITH ARCHITECT.
- 3. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER OR FABRICATOR. ANY ITEMS WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED UNLESS NOTED ACCORDINGLY BY THE ENGINEER OF
- 4. THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.
- 5. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.
- 6. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS AND COMPLETENESS SHALL REST WITH THE CONTRACTOR.
- 7. ALLOW FIVE WORKING DAYS FOR REVIEW OF SHOP DRAWINGS BY THE STRUCTURAL ENGINEER.

SPECIAL INSPECTION:

1. PER IBC CHAPTER 17, SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING ITEMS:

SOILS: PER IBC SECTION 1705.6

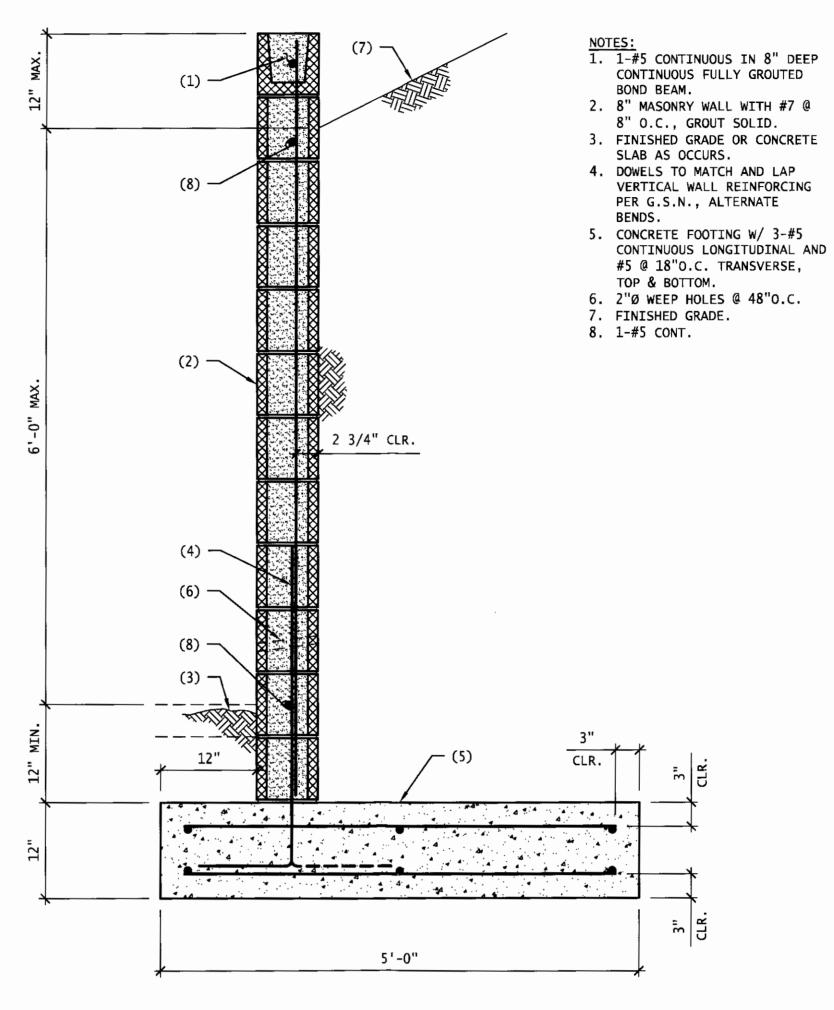
CONCRETE CONSTRUCTION: PER IBC SECTION 1705.3 & TABLE 1705.3. NOT REQUIRED FOR SLABS ON GRADE.

MASONRY CONSTRUCTION: PER IBC SECTION 1705.4.

EPOXY AND EXPANSION ANCHORS: REVIEW INSTALLATION PROCEDURES PER SPECIFIED ICC REPORT.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

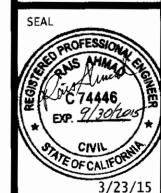
THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATION. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL IF REQUESTED, AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL. UPON COMPLETION OF THE ASSIGNED WORK THE ENGINEER OR ARCHITECT SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.



TYPICAL RETAINING WALL SECTION

N.T.S.

ERB DESIGNED BY: WDB ISSUE DATE: 3/23/15



Z

SHEET TITLE STRUCTURAL NOTES & SECTIONS

SHEET NO.

EXHIBIT 'D'

Lot Merger

All that certain piece or parcel of land situate in the West Half of the Northwest Quarter of Section 11, Township 12 North, Range 10 East, M.D.B. & M., in the County of El Dorado, State of California, being a portion of the tract of land know as Block 1 of the Town site of Georgetown and the Parcel map recorded in Book 6 of Parcel Maps, at Page 113, recorded on October 4, 1974, El Dorado County Records, being more particularly described as follows:

BEGINNING at the southwest corner of parcel 2 of said Parcel Map and the north Right of Way line of Orleans Street;

thence North 31°52'20" East along the westerly line of said parcel 2, a distance of 219.13 feet to the southerly line of parcel 1 of said parcel map;

thence along said southerly line South 53°27'00" East a distance of 8.67 feet to the easterly line of said parcel 1;

thence along said easterly line North 28°23'00" East a distance of 161.95 feet to the northerly line of said parcel 1 and the centerline of Harkness Street;

thence along said northerly North 77°54'00" West a distance of 78.34 feet to an angle point; thence continuing along said northerly line North 73°38'00" West a distance of 61.37 feet to the westerly line of said parcel 1 and the east Right of Way line of Main Street;

thence along said westerly line and east Right of Way line South 37°00'00" West a distance of 106.71 feet;

thence leaving said westerly line of parcel 1 and continuing along said east Right of Way line South 37°00'00" West a distance of 218.41 feet to the southwest corner of said Block 1 and the north Right of Way line of Orleans Street;

thence along said north line South 53°27'00" East a distance of 163.68 feet to the Point of Beginning.

Affects portions of APN 061-362-01, 061-362-02 & 061-362-04.

Containing an area of 1.21 acres, more or less.

The basis of bearings is identical to Book 6 of Parcel maps at Page 113, El Dorado County Records.

The above-described parcel is shown on Exhibit 'D1' attached hereto and made a part hereof.

BENJAMIN
JAMES
BARDAKJIAN
LS 8373
EXPIRES
DEC 31, 2015

OF CALFORD

APPROVED EL DORADO COUNTY <u>PLANNING COMMISSION</u>

DATE April 5, 2016

EXECUTIVE SECRETARY

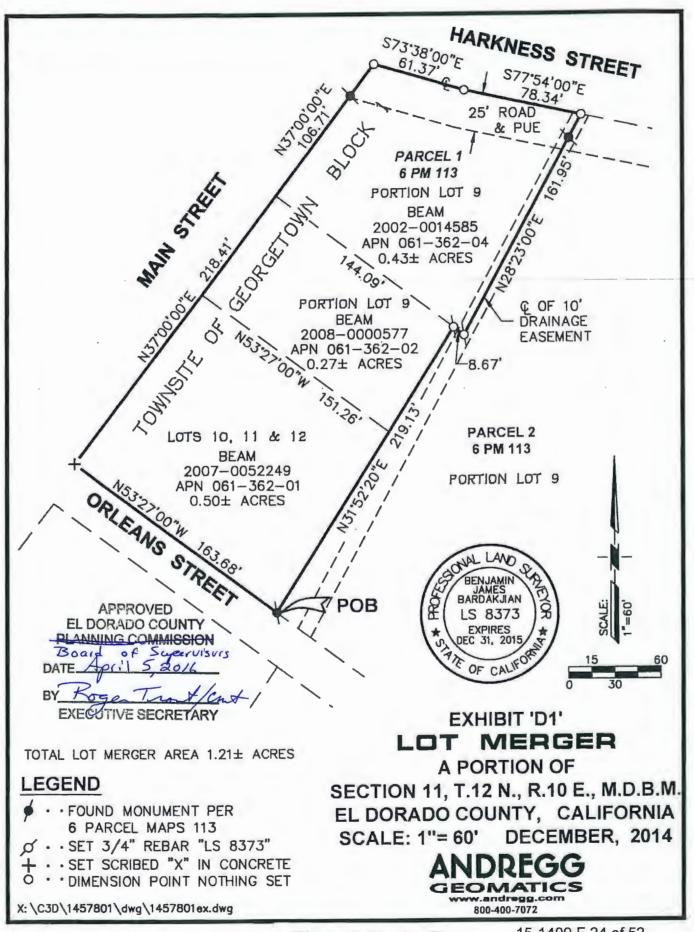
Benjamin James Bardakjian Licensed Land Surveyor Date

December 18, 2014

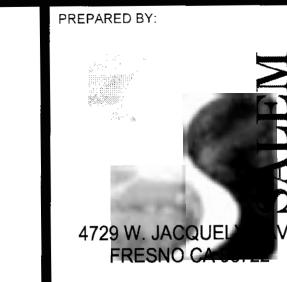
Page 1 of 1

X: C3D 1457801 docs\Georgetown-Block 1 1.01 Margure doc

Exhibit J-1



PROPOSED DOLLAR GENERAL DOMESTIC WASTE WATER DISPOSAL SYSTEM



PROPOSED DOLLAR GENERAL **SWC MAIN STREET &** HARKNESS STREET GEORGETOWN, CA

SHEET INDEX

1. SS1.0 COVER SHEET 2. SS2.0

SEPTIC SYSTEM LAYOUT PLAN 3. SS3.0

SYMBOL LEGEND

AIR RELEASE VALVE

PROJECT INFO:

PROJECT NO.	4-214-0831
DRAWN BY:	F∨M
CHECKED BY:	ВМ
DATE:	03/03/2015

REVISIONS:

DATE DESC.

SHEET TITLE:

COVER SHEET

SS1.0

of 3

ALL SEPTIC TANKS MUST BE ACCEPTED BY IAPMO AS MEETING STANDARD PS-1.

AND SEPARATED BY A BAFFLE. C. TANKS MUST HAVE A STRENGTH CAPABLE OF WITHSTANDING ANTICIPATED LOADS.

METAL OR WOODEN TANKS ARE PROHIBITED.

C. IF SEPTIC OR PUMP TANKS ARE MADE FROM HIGH DENSITY POLYETHYLENE (HDPE) OR FIBERGLASS, THEN TANKS MUST BE ANCHORED TO PREVENT HEAVING OR BUOYANT FORCES.

E. ALL SEPTIC AND PUMP TANKS SHALL BE WATER TIGHT. CONCRETE TANKS SHALL BE A MONOLITHIC CASTING OR JOINTS SEALED WITH THOROPLUS OR OTHER APPROVED SEALANTS. CONCRETE SUMPS SHALL BE PROTECTED WITH "XYPEX", "THOROSEAL" OR "ULTRA-BLOC" (OR EQUIVALENT) ON THE INSIDE. ASPHALT EMULSION OR TAR SHALL NOT BE USED AS JOINT SEALANTS.

SUBMITTAL TO ENGINEER

A. IF TANKS ARE MADE FROM HDPE OR FIBERGLASS, THEN PROPER SIDEWALL PROTECTION MUST BE INSTALLED TO PREVENT SIDEWALL FAILURE. SUFFICIENT PROTECTION MUST BE INSTALLED TO PREVENT VEHICLES FROM CROSSING OVER THE TOP OF THE HDPE OR

B. ALL TANKS SHALL BE WATER TIGHT. CONCRETE TANKS SHALL BE M MONOLITHIC CASTING OR JOINTS SEALED WITH THOROPLUS OR OTHER APPROVED SEALANTS. CONCRETE SUMPS SHALL BE PROTECTED WITH "XYPEX", "THOROSEAL" OR "ULTRA-BLOC" ON THE INSIDE. ASPHALT EMULSION OR TAR SHALL NOT BE USED AS JOINT SEALANTS.

PLACEMENT

SEPTIC PUMP & HOOT TANKS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION. THE TANK SHALL BE INSTALLED ON A SOLID LEVEL BED.

C. SOIL AROUND THE TANK MUST BE COMPACTED; SAND MUST BE JETTED.

ACCESS RISERS A. ACCESS TO EACH TANK COMPARTMENT MUST BE PROVIDED BY A MANHOLE AT LEAST TWENTY INCHES IN DIAMETER AND HAVING A DURABLE HANDLE TO FACILITATE REMOVAL TO ALLOW ACCESS FOR INSPECTION AND MAINTENANCE OF THE TANK AND OF SUFFICIENT SIZE FOR REMOVAL OF THE MANHOLE COVER.

B. A RISER MUST EXTEND FROM EACH MANHOLE COVER TO OR ABOVE THE SURACE OF THE GROUND. THE RISER MUST BE OF A SIZE LARGER THAN THE MANHOLE COVER, BE BOTH GAS AND WATERTIGHT, AND BE CONSTRUCTED OF DURABLE MATERIAL AND SHALL BE CAPABLE OF WITHSTANDING ANTICIPATED LOADS FROM SOIL BACKFILL.

C. CONCRETE RISERS SHALL BE SEALED WITH XYPEX OR APPROVED EQUAL.

D. ALL RISERS SHALL BE FITTED WITH AIRTIGHT DURABLE LIDS THAT HAVE A LOCKING MECHANISM TO PREVENT UNWANTED ENTRY AND PREVENT INSECT/RODENT ACCESS.

SEPTIC TANK CONNECTIONS

A. ALL CONNECTIONS FROM BUILDINGS TO TANKS SHALL BE MADE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE UNIFORM

- B. GRAVITY LINES FOR SEWAGE DISPOSAL SYSTEMS MUST BE FOUR INCHES IN DIAMETER. C. FOR ALL GRAVITY LINES, INSTALL CLEANOUTS ON ALL ELLS AND EVERY 100 FEET ON STRAIGHT RUNS.
- D. ALL SOLID PIPE JOINTS AND CONNECTIONS MUST BE GLUED, CEMENTED, OR MADE WITH AN ELASTOMERIC SEAL SO AS TO BE WATERTIGHT. E. WHERE ENTERING THE TANK, A MINIMUM OF 4 INCH DIAMETER PVC SCHEDULE 40 STUB SHALL BE CAST IN PLACE OR SEALED WITH

THOROPLUS OR OTHER WATERPROOF MATERIAL. F. BRASS TYPE FITTINGS, VALVES, AND PIPING ARE PROHIBITED IN SEPTIC AND SUMP TANKS.

G. EFFLUENT FILTERS ARE TO BE USED IN ALL SEPTIC TANKS AND SHALL HAVE A FILTRATION OF NO GREATER THEN 1/8", OR AS SPECIFIED ON THE PLANS.

ELECTRICAL CONNECTIONS

A. ALL ELECTRICAL CONDUITS AND FITTINGS ENTERING THE SUMP SHALL BE GAS TIGHT AND WATER TIGHT PVC, METALLIC GAS TIGHT FITTINGS

B. ALL WIRES SHALL BE INDIVIDUALLY SEALED AT THE JUNCTION BOX OR ALARM/CONTROL PANEL AS APPROPRIATE. GROUT OR ASPHALT EMULSION IN NOT AN ACCEPTABLE SEALANT. C. THE PUMP POWER LEAD AND THE NODE CONTROL WIRES SHALL NOT BE RUN IN A COMMON CONDUIT.

H. NODE CONTROLS FOR THE PUMP SHALL BE MOUNTED TO A SCHEDULE 40 PVC POLE MOUNTED INSIDE THE PUMP CHAMBER THAT CAN BE

REMOVED FOR MAINTENANCE. I. CONTROL PANEL REQUIRES 110 VOLT, SINGLE PHASE ELECTRICAL CONNECTION.

CONTROL PANEL

ALL CONTROL PANELS SHALL BE EQUIPPED WITH A VISUAL AND AUDIBLE ALARM.

CONTROL PANEL, AND VISUAL AND AUCIBLE ALARMS SHALL BE LOCATED NO GREATER THAN 25' FROM THE RESIDENCE/BUSINESS SERVED BY THE SYSTEM.

SEWAGE TREATMENT SYSTEM CONSTRUCTION NOTES

THE FOLLOWING ITEMS AS APPLICABLE TO THIS ATU.

B. CONDITION AND OPERATION OF ANY PRE-TREATMENT SYSTEM.

D. CONDITION OF THE DISPERSAL FIELD GROUND COVER.

F. CONDITION OF EROSION CONTROL MEASURES.

SEPTIC SYSTEM-ADVANCED TREATMENT UNIT (ATU)

1. THE SYSTEM LAYOUT SHALL CONFORM TO THIS PLAN. IF THE FIELD CONDITIONS DO NOT ALLOW FOR THIS CONDITION, THE ENGINEER SHALL BE NOTIFIED

OWNERES/OPERATORS OF ADVANCED TREATMENT UNITS (ATUs) ARE REQUIRED TO MAINTAIN AN ANNUAL MAINATENANCE CONTRACT WITH AN

CONTACT THE ENVIRONMENTAL HEALTH DEPARTMENT FOR CURRENT INSPECTION REQUIREMENTS. THE INSPECTION, AT A MINIMUM, SHOULD EVALUATE

A. CONDITION AND OPERATION OF SEPTIC AND PUMP TANKS INCLUDING CHECKING SLUDGE, GREASE, AND SCUM LEVELS AND CONDITION OF ALL

THE ATU IS REQUIRED TO UNDERGO ONGOING INSPECTION AND MONITORING BY AN APPROVED SERVICE PROVIDER REGISTERED WITH THE

C. CONDITION AND OPERATION OF PURGE VALVES, BALANCING VALVES, DISTRIBUTION VALVES, AND ALL OTHER CONTROL VALVES.

H. FULL OPERATIONAL PERFORMANCE TEST OF ALL INSTALLED COMPONENTS (PUMPS, CONTROL PANELS, VALVES, ETC.)

IMMEDIATELY IN ORDER TO MAKE A DESIGN ADJUSTMENT.

2. THE CONTRACTOR SHALL OBTAIN CERTIFICATIONS FROM THE SUPPLIER FOR THE MATERIALS, STATING THAT THEY MEET THE SPECIFIED CRITERIA ON THE

3. EQUIPMENT SUSCEPTIBLE TO FREEZING MUST BE ADEQUATELY PROTECTED TO PREVENT FREEZING.

4. COMPLETE PROPER DRAINAGE WORK AND EROSION CONTROL MEASURES BEFORE FINAL INSPECTION.

THE PROPERTY SHALL SUBMIT A COPY OF THE SIGNED SERVICE PROVIDER MAINTENANCE CONTRACT.

E. CONDITION MOVEMENT, AND STABLITY OF ANY FILL IN THE DISPERSAL FIELD AREA.

G. FLOW METER AND/OR PUMP COUNTER MEASUREMENTS AND COMPARISON TO DESIGN CAPACITY.

STAGES TO BE INSPECTED BY THE DESIGNER

CONTRACTOR IS REQUIRED TO HAVE ENGINEER AND EL DORADO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT INSPECT THE CONSTRUCTION AT THE FOLLOWING STAGES. FAILURE TO REQUEST THESE INSPECTIONS WILL RESULT IN THE CONTRACTOR HAVING TO UN-EARTH AND RE-DO THE WORK. THE CONTRACTOR SHALL GIVE 48-HOUR ADVANCE NOTICE TO THE ENGINEER FOR ANY OF THESE INSPECTIONS:

CHECK LAYOUT OF ALL TANKS BEFORE EXCAVATION.

WATERTIGHT TEST OF ALL TANKS BEFORE BACKFILL.

HYDRAULIC TEST OF PRESSURE AND DEPERSAL LINES IN TRENCH BEFORE COVER.

FINAL INSPECTION AND STRTUP AFTER PERMANENT POWER HOOK-UP.

