

LEGAL DESCRIPTION & ADDRESS

LOT 1 THRU 10 & ADJ ALLEY, BLOCK 77, FORT CONCHO ADDITION, SAN ANGELO, TOM GREEN COUNTY, TEXAS

PROPOSED USE: ASSEMBLY 1 SPACE/400 sq ft

ADA SPACES: 1 HANDICAP SPACE/25 SPACES

CONCRETE ENTRANCE — CONTRACTOR TO OBTAIN PERMIT FROM CITY OF SAN ANGELO AND BUILD TO APPLICABLE STANDARD.

B ACCESSIBLE PARKING SPACES, SIGNAGE, WHEEL STOP, AND ACCESS AISLE.

C 4" WIDE, YELLOW PARKING SPACE STRIPING.

D 4" WIDE, YELLOW STRIPING @ 24" O.C.E.W.

G ACCESSIBLE RAMP PER TAS DETAILS.

I PROPOSED 2" PVC SCH40 SLEEVE 24" DEEP

J PROPOSED 18" RIBBON CURB

L SIDEWALK IN CITY R.O.W. PER COSA DETAIL S-FF-1

CURB AND GUTTER IN CITY R.O.W. PER COSA DETAIL S-T-1.
INFILL WITH HOT-MIX COLD LAY WHERE NECESSARY.

O YELLOW DIRECTIONAL ARROW. 8' LONG NOMINAL SIZE

- PROPERTY LINE

EXISTING BUILDING

PROPOSED BUILDING

STANDARD DUTY ASPHALT PAVEMENT

HEAVY DUTY ASPHALT PAVEMENT

1. DIMENSIONS SHOWN HEREON ARE TO THE BACK OF CURB, CENTERLINE OF STRIPING, OR BUILDING FACE.

3. EXISTING CONDITIONS, UTILITIES, SETBACKS AND EASEMENTS REPRESENT THE BEST INFORMATION AVAILABLE AND SHOULD NOT

BE CONSTRUED AS EXACT AND COMPLETE AND ITS USE DOES NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY FOR LOSSES DUE TO ANY INACCURACIES. NOTIFY THE CIVIL ENGINEER OF ANY

ANY DISCREPANCIES TO THE ENGINEER.

5. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING OF DIMENSIONS. CONTACT ENGINEER FOR VERIFICATION.

6. COORDINATE WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND VERIFY THE LOCATION OF ALL PROJECT REQUIREMENTS.

7. ALL SITE WORK SHALL BE IN ACCORDANCE WITH, OR SURPASS RECOMMENDATIONS OF SOILS REPORT, DRAWINGS, AND SPECIFICATIONS. IF A CONFLICTS ARISES, THE MORE PROHIBITIVE SHALL TAKE PRECEDENCE AND BE CONSIDERED TO BE THE INTENT OF THE PROJECT DOCUMENTS. IN ALL CASES, STRICTLY ADHERE TO DRAWINGS AND SPECIFICATIONS, UNLESS SOILS REPORT RECOMMENDATION EXCEEDS THE DRAWINGS AND SPECIFICATIONS.

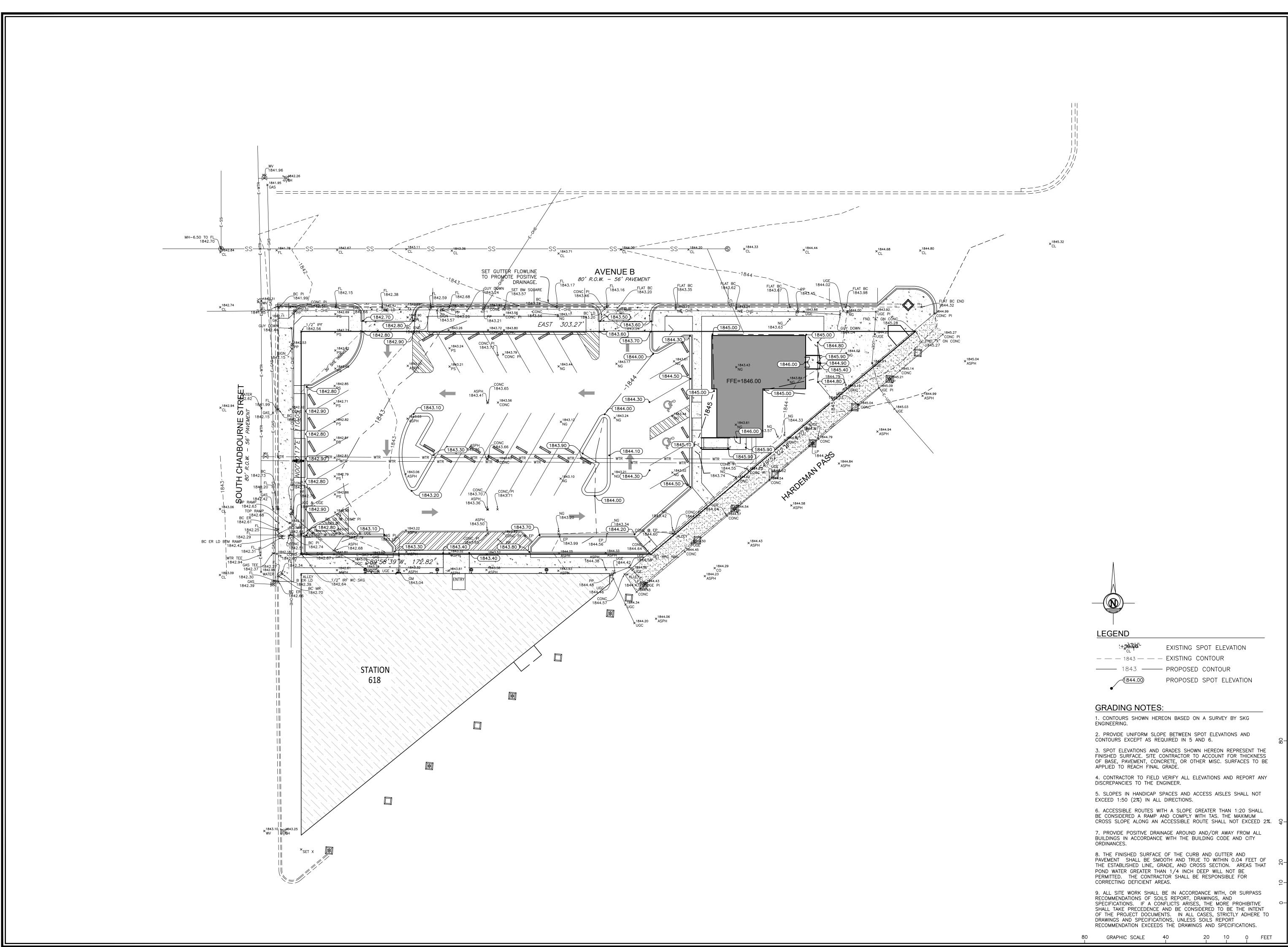
8. ALL WORK PERFORMED IN THE CITY R.O.W. SHALL CONFORM TO THE CITY'S STANDARD DETAILS AND SPECIFICATIONS.

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL,

2. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL RULES AND REGULATIONS.

3. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL, ADJUSTMENT, OR DEMOLITION OF ANY AND ALL EXISTING ELEMENTS WHICH MAY BE $^{\circ}$ IN CONFLICT WITH THE WORK. COORDINATE WITH OWNER OF AFFECTED ELEMENT PRIOR TO WORK.

FEB. 22, 2018 17-E-0227



BUSSELL T. GULLY

SOUND WE STREET

SOUTH ABE STREET

SAN ANGELO, TEXAS 76903

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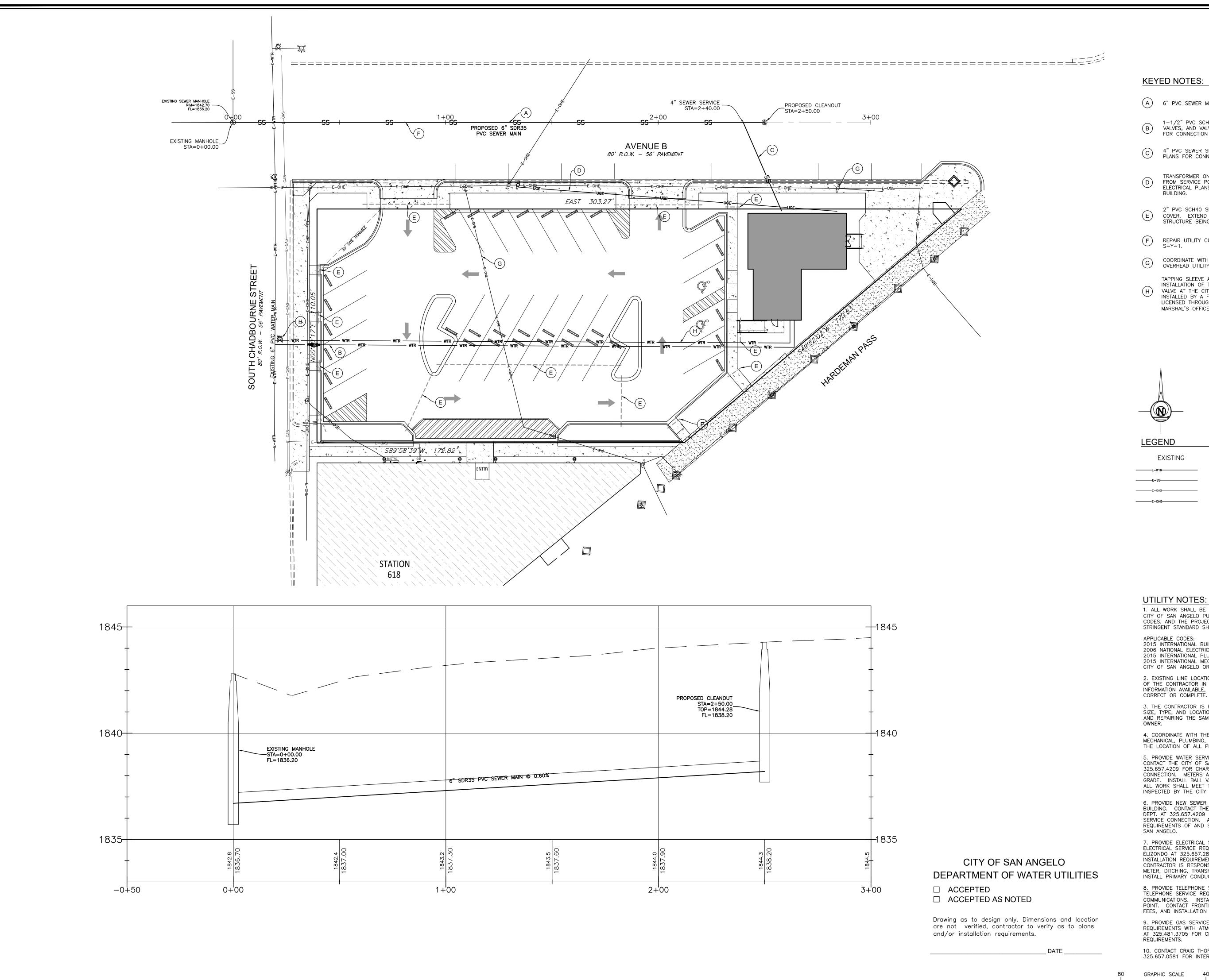
ITE GRADING PLAN

DWG BY: DWG. DATE: FEB. 22, 2018

JOB NO. 17-E-0227

SCALE: 1"=20' C2.1

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KEYED NOTES:

6" PVC SEWER MAIN.

1-1/2" PVC SCH40 WATER SERVICE LINE, 1" METER, VALVES, AND VALVE VAULT. REFER TO PLUMBING PLANS FOR CONNECTION REQUIREMENTS AT BUILDING.

4" PVC SEWER SERVICE LINE. REFER TO PLUMBING PLANS FOR CONNECTION REQUIREMENTS AT BUILDING.

TRANSFORMER ON UTILITY POLE. PROVIDE ALL CONDUITS FROM SERVICE POLE TO BUILDING. REFER TO ELECTRICAL PLANS FOR CONNECTION REQUIREMENT TO

2" PVC SCH40 SLEEVES WITH CAP ENDS WITH 24" MIN. COVER. EXTEND A MINIMUM OF 24" BEYOND END OF STRUCTURE BEING CROSSED.

REPAIR UTILITY CUTS IN STREET PER COSA DETAIL

COORDINATE WITH UTILITY COMPANY TO REMOVE EXISTING OVERHEAD UTILITY LINE.

TAPPING SLEEVE AND 4" GATE VALVE AT CITY MAIN. INSTALLATION OF THE FIRE SUPPRESSION LINE FROM THE (H) VALVE AT THE CITY'S MAIN TO THE BUILDING SHALL BE INSTALLED BY A FIRE SUPPRESSION CONTRACTOR LICENSED THROUGH THE STATE OF TEXAS FIRE MARSHAL'S OFFICE.



LEGEND

EXISTING		PROPOSED
E-WTR	WATER LINE	WTR
———E-SS———	SEWER LINE	——ss——
———E-GAS	GAS LINE	GAS
E-OHE	ELECTRIC	UGE
	2" SLEEVE	

UTILITY NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF SAN ANGELO PUBLIC WORK'S STANDARDS, APPLICABLE CODES, AND THE PROJECT SPECIFICATIONS. THE MORE STRINGENT STANDARD SHALL APPLY WHEN IN CONFLICT.

APPLICABLE CODES: 2015 INTERNATIONAL BUILDING CODE 2006 NATIONAL ELECTRICAL CODE 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE CITY OF SAN ANGELO ORDINANCES

2. EXISTING LINE LOCATIONS ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR IN ACCORDANCE WITH THE BEST INFORMATION AVAILABLE, BUT IS NOT GUARANTEED TO BE

3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT SIZE, TYPE, AND LOCATION OF ALL UTILITIES AND PROTECTING AND REPAIRING THE SAME AT NO ADDITIONAL COST TO THE

4. COORDINATE WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND VERIFY THE LOCATION OF ALL PROJECT REQUIREMENTS.

5. PROVIDE WATER SERVICE FROM EXISTING MAIN TO BUILDING. CONTACT THE CITY OF SAN ANGELO WATER UTILITY DEPT. AT 325.657.4209 FOR CHARGES OR FEES FOR WATER SERVICE CONNECTION. METERS AND VALVE BOXES TO BE FLUSH WITH GRADE. INSTALL BALL VALVE FOR CUTOFF VALVE IN BOXES. ALL WORK SHALL MEET THE REQUIREMENTS OF AND SHALL BE INSPECTED BY THE CITY OF SAN ANGELO.

6. PROVIDE NEW SEWER SERVICE FROM EXISTING MAIN TO BUILDING. CONTACT THE CITY OF SAN ANGELO WATER UTILITY DEPT. AT 325.657.4209 FOR CHARGES OR FEES FOR SEWER SERVICE CONNECTION. ALL WORK SHALL MEET THE REQUIREMENTS OF AND SHALL BE INSPECTED BY THE CITY OF

7. PROVIDE ELECTRICAL SERVICE TO BUILDING. VERIFY ELECTRICAL SERVICE REQUIREMENTS WITH AEP. CONTACT BOBBY ELIZONDO AT 325.657.2872 FOR CHARGES, FEES, AND INSTALLATION REQUIREMENTS FOR ELECTRICAL SERVICE. CONTRACTOR IS RESPONSIBLE FOR MOUNTING METER BASE, METER, DITCHING, TRANSFORMER PAD & ALL CONDUITS. AEP TO INSTALL PRIMARY CONDUCTOR TO TRANSFORMER.

8. PROVIDE TELEPHONE SERVICE TO BUILDING. VERIFY TELEPHONE SERVICE REQUIREMENTS WITH FRONTIER COMMUNICATIONS. INSTALL (2) 4" PVC CONDUITS TO SERVICE POINT. CONTACT FRONTIER AT 325.944.1191 FOR CHARGES, FEES, AND INSTALLATION REQUIREMENTS.

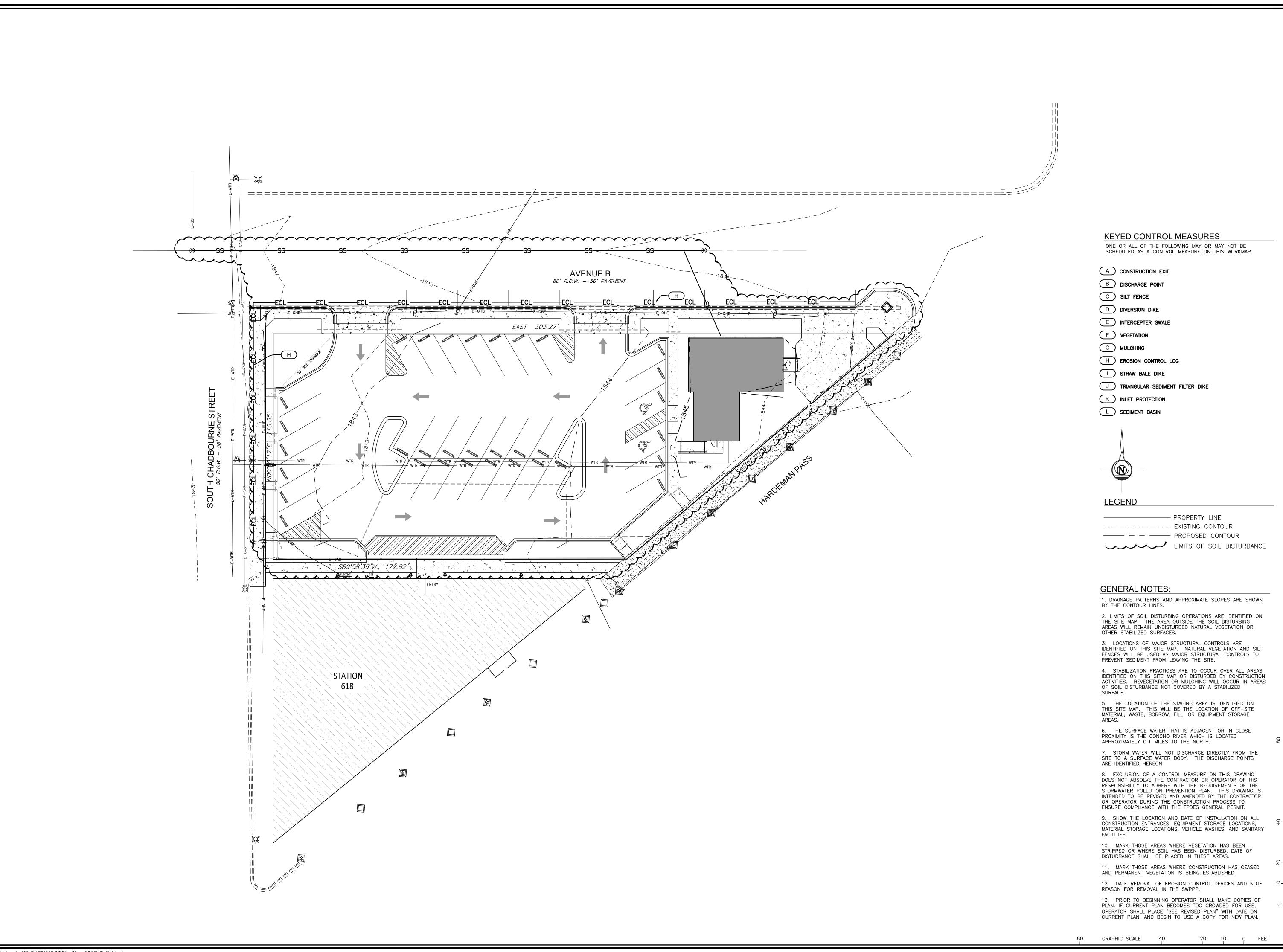
9. PROVIDE GAS SERVICE TO BUILDING. VERIFY GAS SERVICE REQUIREMENTS WITH ATMOS ENERGY. CONTACT EARLA AHRENS AT 325.481.3705 FOR CHARGES, FEES, AND INSTALLATION

10. CONTACT CRAIG THORNELL WITH SUDDENLINK AT 325.657.0581 FOR INTERNET, PHONE, AND CABLE TV SERVICE.

GRAPHIC SCALE

RUSSELL T. GULLY

FEB. 22, 2018 17-E-0227



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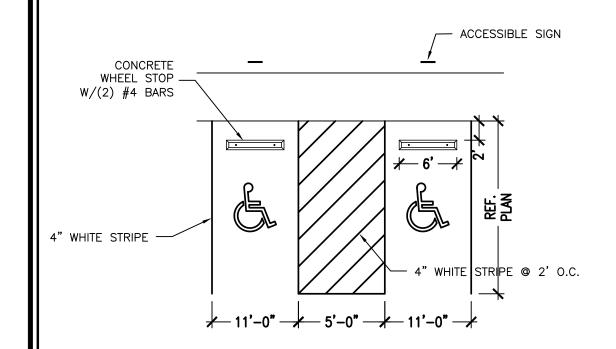
SCHEDULE	STD. DUTY	HVY. DUTY
HMACS (A)	1.5"	2"
COMPACTED BASE (B)	7"	8"
COMPACTED SUBGRADE	6"	6"
1. HMACS-TxDOT ITEM 340. TYPE	D. COMPACTED TO	BFTWFFN 91% AN

97% OF THE PAVEMENT'S RICE SPECIFIC GRAVITY. 2. PROVIDE PRIME COAT OF MC-30 AT RATE OF 0.30 GAL/SQ. YD.

3. COMPACTED BASE-CRUSHED LIMESTONE PER TxDOT ITEM 247, TYPE A, GRADE 2. COMPACT TO AT LEAST 97% STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT WITHIN $\pm 2\%$ POINTS OF THE OPTIMUM MOISTURE

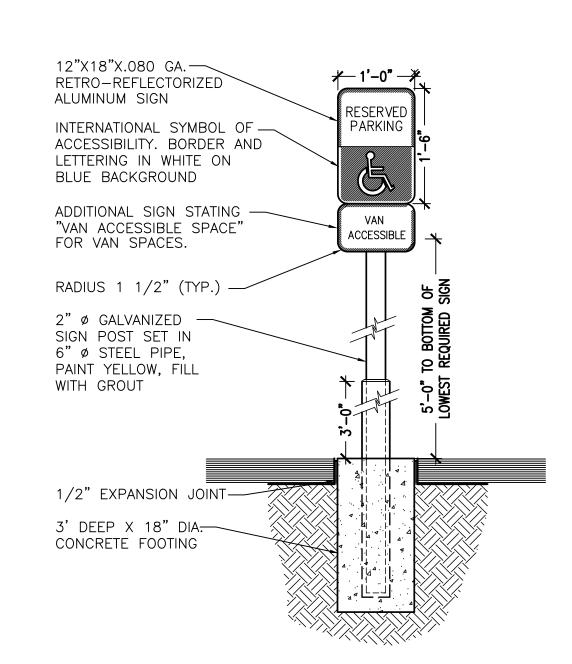
4. COMPACTED SUBGRADE - SCARIFY, MOISTURE CONDITION, AND COMPACT THE TOP 6" TO AT LEAST 95% STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT WITHIN $\pm 2\%$ POINTS OF THE OPTIMUM MOISTURE

HMAC PAVEMENT SECTION



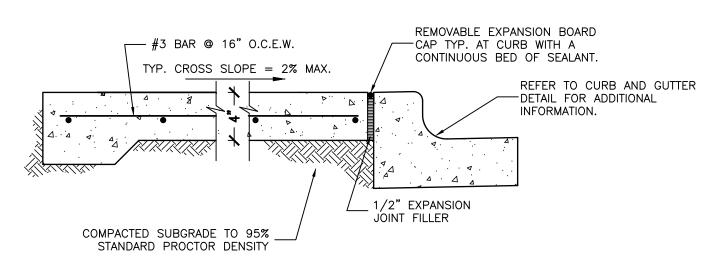
PARKING SPACES AND ACCESS ISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS.

ACCESSIBLE SPACE **F** DETAIL



ACCESSIBLE SIGN

REFER TO S-FF-1/SHEET C5.2 FOR SIDEWALK DETAIL IN CITY R.O.W.



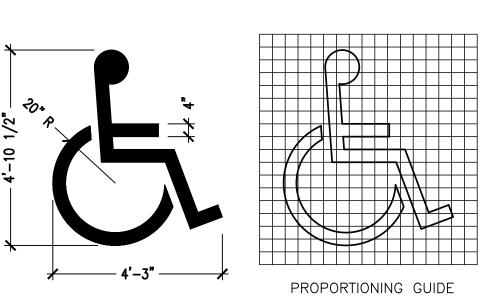
1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI, A SLUMP BETWEEN 4 TO 6 INCHES, AN AIR CONTENT BETWEEN 3% AND 6%.

2. SCORE JOINTS ACROSS THE WIDTH OF THE WALK AT A TYPICAL 5' SPACING, WITH A MAXIMUM 6' SPACING.

3. INSTALL EXPANSION CAP AT A SCORE JOINT, SPACING NOT TO EXCEED 50' BETWEEN EXPANSION CAP.

4. PROVIDE 1/2" DOWELS @ 18" O.C. (MIN. 3x) AT DOORWAYS INTO BUILDING.

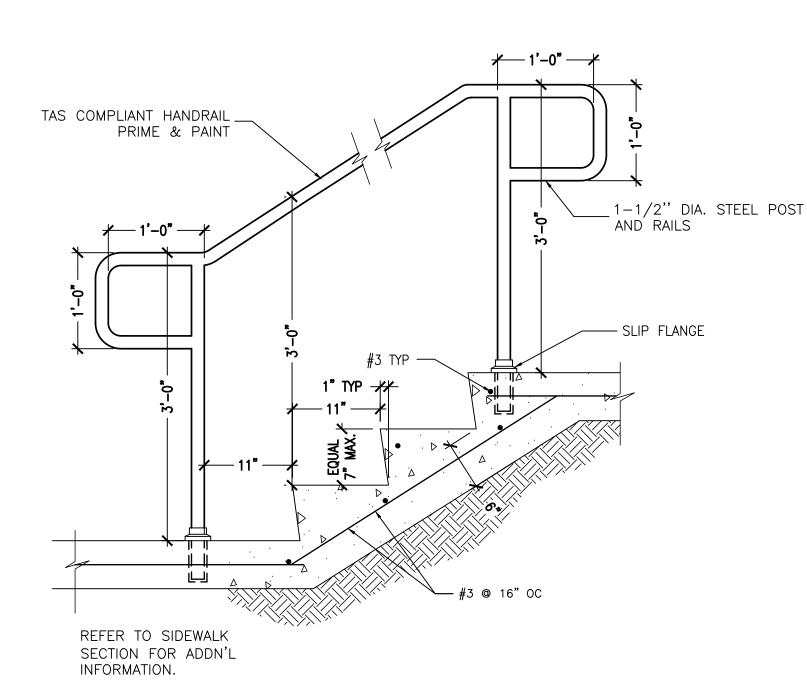
SIDEWALK



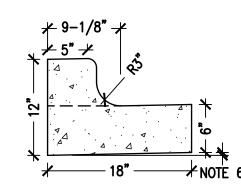
HANDICAP SYMBOL

ACCESSIBILITY SYMBOL

PAINTED ON PAVEMENT



STEP & HANDRAIL



1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 psi, A SLUMP BETWEEN 4 TO 6 INCHES, AND AN AIR CONTENT BETWEEN 3% AND 6%.

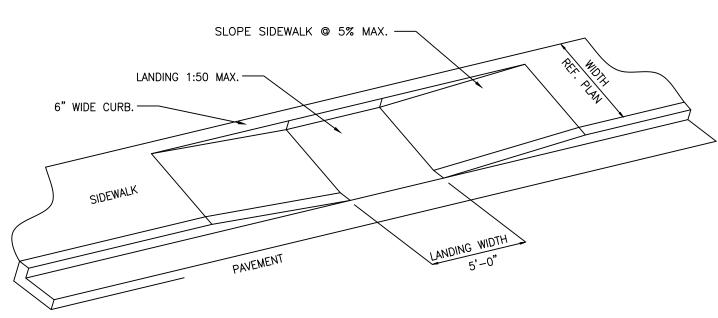
2. EXPANSION JOINTS ARE REQUIRED AT THE BEGINNING AND END OF CURVES, (RADIUS LESS THAT 100') AND ON A SPACING NOT TO EXCEED 50'. PRE-FORMED EXPANSION JOINT MATERIAL SHALL BE USED.

3. DUMMY JOINTS ARE REQUIRED ON 10' CENTERS AND SHALL BE CUT TO A 1" MINIMUM DEPTH.

4. INSTALL TWO #4 REBARS ON 12" CENTERS IN ALL LAYDOWN AND

5. TWO #4 DOWELS 24" LONG TO BE PLACED AT EACH EXPANSION JOINT. 6. SLOPE TO CONFORM WITH GRADING PLAN.

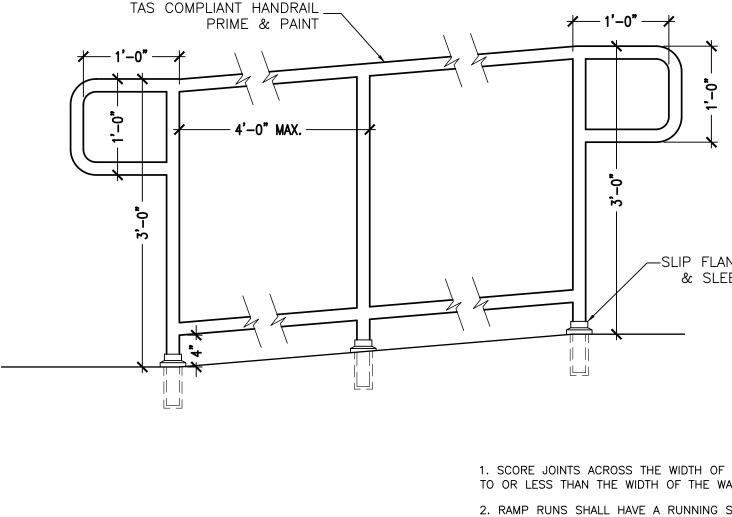




1. FULL WIDTH AND DEPTH OF CURB RAMP SHALL HAVE A LIGHT REFLECTIVE VALUE AND TEXTURE THAT SIGNIFICANTLY CONTRASTS WITH THAT OF ADJOINING PEDESTRIAN ROUTES.

2. MAXIMUM SLOPE OF ADJOINING SURFACES WITHIN 5' OF THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS.





- 36" Minimum inside clear width -PRIME & PAINT -SLIP FLANGE BROOM FINISH ON SURFACE & SLEEVE #3 BAR @ 18" O.C.E.W. TOOLED EDGE RUB EXPOSED FACE SMOOTH COMPACT TOP 6" OF SUBGRADE TO 90% STANDARD PROCTOR DENSITY 1. SCORE JOINTS ACROSS THE WIDTH OF THE WALK AT SPACINGS EQUAL TO OR LESS THAN THE WIDTH OF THE WALK. (4' MIN. TO 6' MAX.) ─ TURN DOWN D-4"

TÖP & BOTTOM

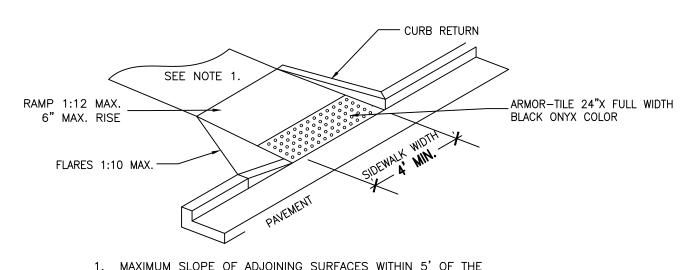
★ 6" **★**

2. RAMP RUNS SHALL HAVE A RUNNING SLOPE OF NOT STEEPER THAN 1:12 AND CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48. THERE SHALL BE NO OTHER CHANGES IN LEVEL.

3. RAMP LANDINGS SHALL NOT BE STEEPER THAN 1:48 IN ANY DIRECTION. LANDING WIDTH SHALL BE AS WIDE AS THE WIDEST RAMP. THE LANDING CLEAR LENGTH SHALL BE 60 INCHES MINIMUM.

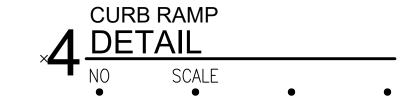
4. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI, A SLUMP BETWEEN 4 TO 6 INCHES, AN AIR CONTENT BETWEEN 3% AND 6%.

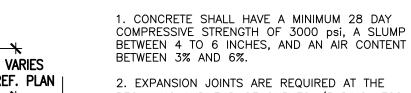
RAMP & HANDRAILS



1. MAXIMUM SLOPE OF ADJOINING SURFACES WITHIN 5' OF THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS.

2. REFER TO SITE PLAN FOR TYPICAL OF CURB RAMP TO BE CONSTRUCTED, I.E. CURB RETURN, FLARES, PARALLEL.



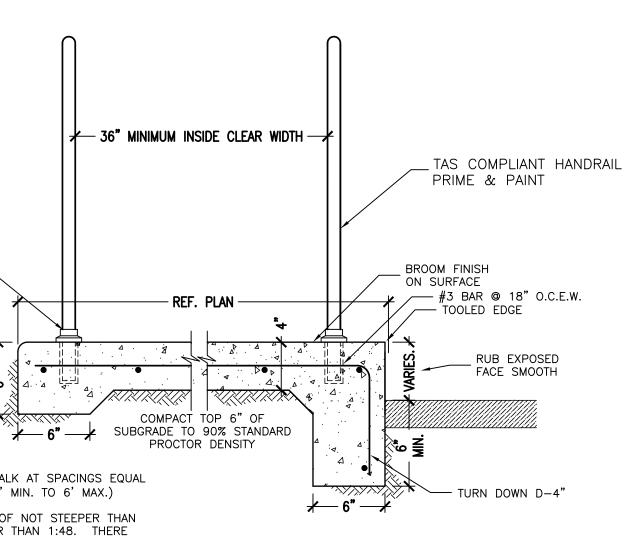


BEGINNING AND END OF CURVES, (RADIUS LESS THAT 100') AND ON A SPACING NOT TO EXCEED 50'. PRE-FORMED EXPANSION JOINT MATERIAL

3. DUMMY JOINTS ARE REQUIRED ON 10' CENTERS AND SHALL BE CUT TO A 1" MINIMUM

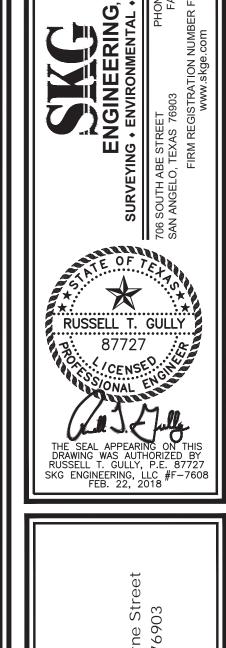
4. TWO #4 DOWELS 24" LONG TO BE PLACED AT EACH" EXPANSION JOINT.





FEB. 22, 2018 RTG 17-E-0227 **VARIES**

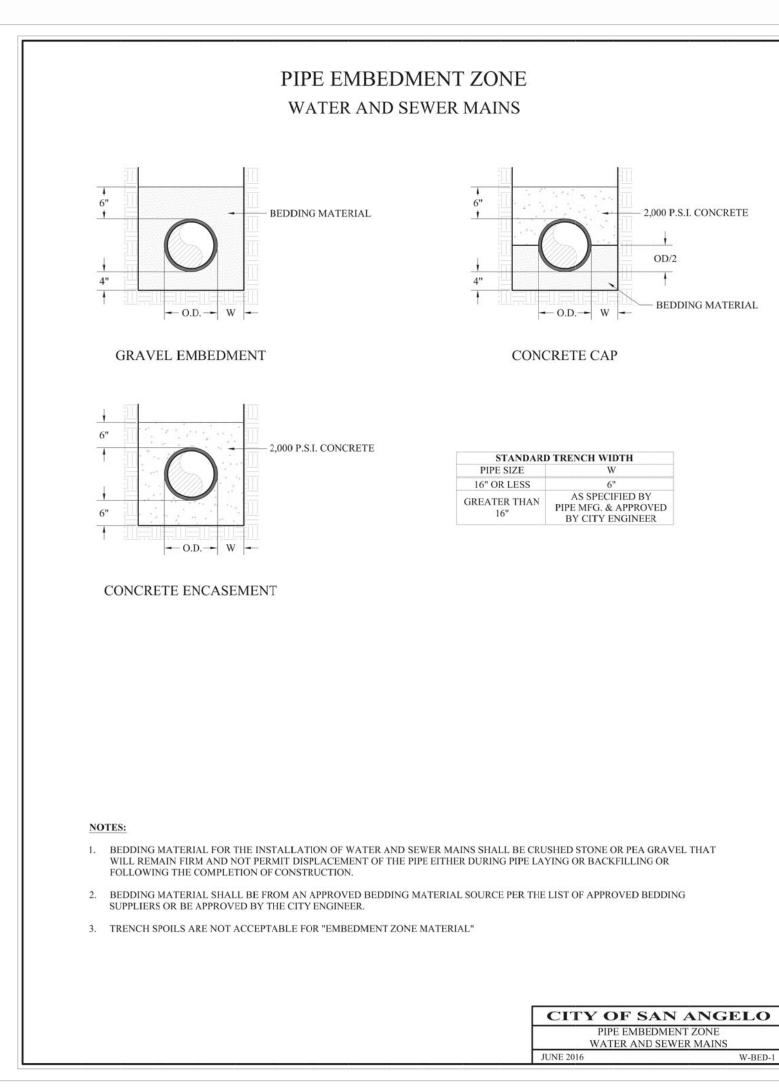
RUSSELL T. GULLY

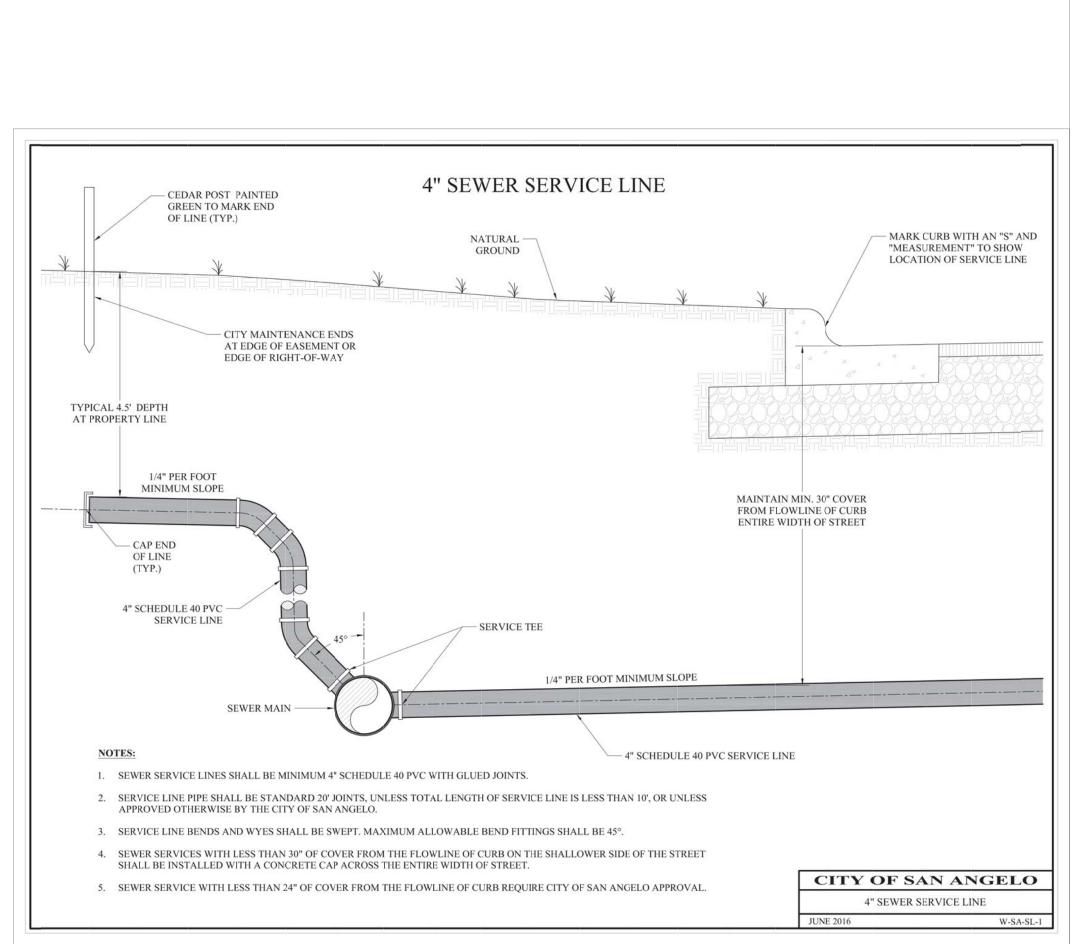


FEB. 22, 2018 RTG 17-E-0227

VARIES

-3/4" CHAMFER ALL EXPOSED CORNERS 9' MIN. 30' MAX. 5' CLEAR WIDTH 6" CLASS "P" REINFORCED -5' RADIUS REQ'D (MIN) #3 BAR BENT TO ∠#4 BARS AT 18" O.C.E.W. BREAK OFF EXISTING CONCRETE RADIUS 4" GREATER 4" MIN CONCRETE SIDEWALK -OR NOVAMESH 23#/CY THAN CURB RADIUS -NEAR VERTICAL FACE OF 2 - #4 LONGITUDINAL BARS EXTENDING CURB. SEE CURB CUT DETAIL THROUGH LENGTH OF WALL TO BE PAID AS TYPE 1 RETAINING WALL-______ EXPANSION JOINT -#4 BENT BAR - 30" LONG ON 18" CENTERS 5' WIDE SIDEWALK: TYPICAL TYPE 1 RETAINING WALL GROOVED CONTRACTION JOINTS NOT TO SCALE EVERY 5' AND EXPANSION JOINTS EVERY 40'. 22'-0" MIN. ROUND EDGES CONCRETE DRIVEWAY APRON 1/4" ROUND (TYP)--SLOPE SURFACE 2% MAX NOT TO SCALE - DRIVEWAY MAY BE FLUSH WITH 1/2" EXPANSION JOINT WILL PROPERTY LINE AND FLARE MAY A" CONCRETE AND REINFORCED BE PROVIDED WHERE THE WITH #3 BARS AT 18" O.C.E.W. OR BE PLACED IN PARKWAY SIDE ABUTS CONCRETE OR 2'-6" MIN FLARE 2'-6" MIN FLARE 30' MAX. CURB & GUTTER 6" CLASS "P" MONOLITHIC REINFORCED ARTERIAL AND COLLECTOR STREETS CONCRETE -NOT TO SCALE #4 BARS AT 18" O.C.E.W. SLOPE SURFACE 2% MAX OR NOVAMESH 23#/CY -BREAK OFF EXISTING CONCRETE TOWARD NORMAL FLOW NEAR VERTICAL FACE OF CURB. -ROUND EDGES 6H:1V SEE CURB CUT DETAIL 1/4" ROUND (TYPICAL) SAW CUT CONCRETE DRIVEWAY APPROACH (ALTERNATE) -JOINT SEALANT. NOT TO SCALE CURB & GUTTER 1/2" MAX DEPTH RESIDENTIAL STREET 2" (MIN) SAW DRILL AND EPOXY NOT TO SCALE 4' WIDE SIDEWALK: 18" - #4 DEFORMED DOWEL AT 18" O.C.-GROOVED CONTRACTION JOINTS SLOPE SURFACE 2% MAX 1/2" EXPANSION JOINT WILL EVERY 4' AND EXPANSION JOINTS EVERY 32'. BE PROVIDED WHERE THE TOWARD NORMAL FLOW-1/4" ROUND SIDE ABUTS CONCRETE OR (TYPICAL) SIDEWALKS 1/4"-EXISTING CURB CUT DETAIL NOT TO SCALE CURB & GUTTER RESIDENTIAL STREET "ALTERNATE" NOTES: NOT TO SCALE 1. A ROUGH BROOM FINISH IS PREFERRED. . 6" SUBGRADE SHALL BE COMPACTED TO AN EQUIVALENT OF 95% STANDARD 2. SLOPE OF DRIVEWAY SHALL NOT EXCEED 12:1 SLOPE. PROCTOR DENSITY. A ROUGH BROOM FINISH IS PREFERRED. . WET SUBGRADE SHALL BE CORRECTED PRIOR TO PLACEMENT OF CONCRETE. LONGITUDINAL SLOPE OF SIDEWALK SHALL NOT EXCEED 5%, AND CROSS DRIVEWAY MAY BE FLUSH WITH THE PROPERTY LINE. SLOPE OF SIDEWALK SHALL NOT EXCEED 2%. WET SUBGRADE SHALL BE CORRECTED PRIOR TO PLACEMENT OF CONCRETE. CITY OF SAN ANGELO CITY OF SAN ANGELO ALL SIDEWALKS ACROSS DRIVEWAYS SHALL BE 6" REINFORCED CONCRETE. SEE CONCRETE APPROACH SHEET S-X-2. CONCRETE SIDEWALKS CONCRETE DRIVEWAY APPROACHES 6. IN NARROW RIGHT OF WAY SITUATIONS, THE MINIMUM CLEAR WIDTH OF SIDEWALK SHALL BE 36 INCHES.





STANDARD CURB & GUTTER

NOT TO SCALE

#4 BAR (TYPICAL) -

#3 BAR STIRRUP 5' O.C.

#4 BARS AT 18" O.C.E.W.,

REFER TO CONCRETE /

DRIVE DETAILS ----

STANDARD MONOLITHIC CURB

ON CONCRETE DRIVEWAY

NOT TO SCALE

1. DIMENSIONS HEREIN SHOWN ARE MINIMUM REQUIRED. THE DESIGNER MAY ADJUST WIDTH ACCORDING TO THE NEED. CONCRETE FOR CURB AND GUTTER SHALL BE CLASS "A" CONCRETE EXCEPT FOR STANDARD MONOLITHIC CURB WHICH IS CLASS "P". THE USE OF MORTAR TOPPING IS OPTIONAL. IF NOT

MINIMUM DEPTHS. 1/2" EXPANSION JOINTS ON 50' SPACING OR AT BEGINNING

3. EXTRUDED CONCRETE MAY USE A MODIFIED GRADATION FOR MACHINE LAID

4. IF MACHINE LAID, A MAXIMUM 1" FLARE AT THE BOTTOM IS PERMITTED.

MACHINE LAID, A "MULE" FINISING TOOL SHALL BE USED.

OF RADII, OR AT INTERSECTIONS. LIGHT BROOM FINISH.

CURB AND GUTTER AS APPROVED BY THE CITY ENGINEER.

2. ALL TOOLED CONTRACTION JOINTS WILL BE ON 10' SPACING AT 1-1/2"

SET ON NYLON BAR

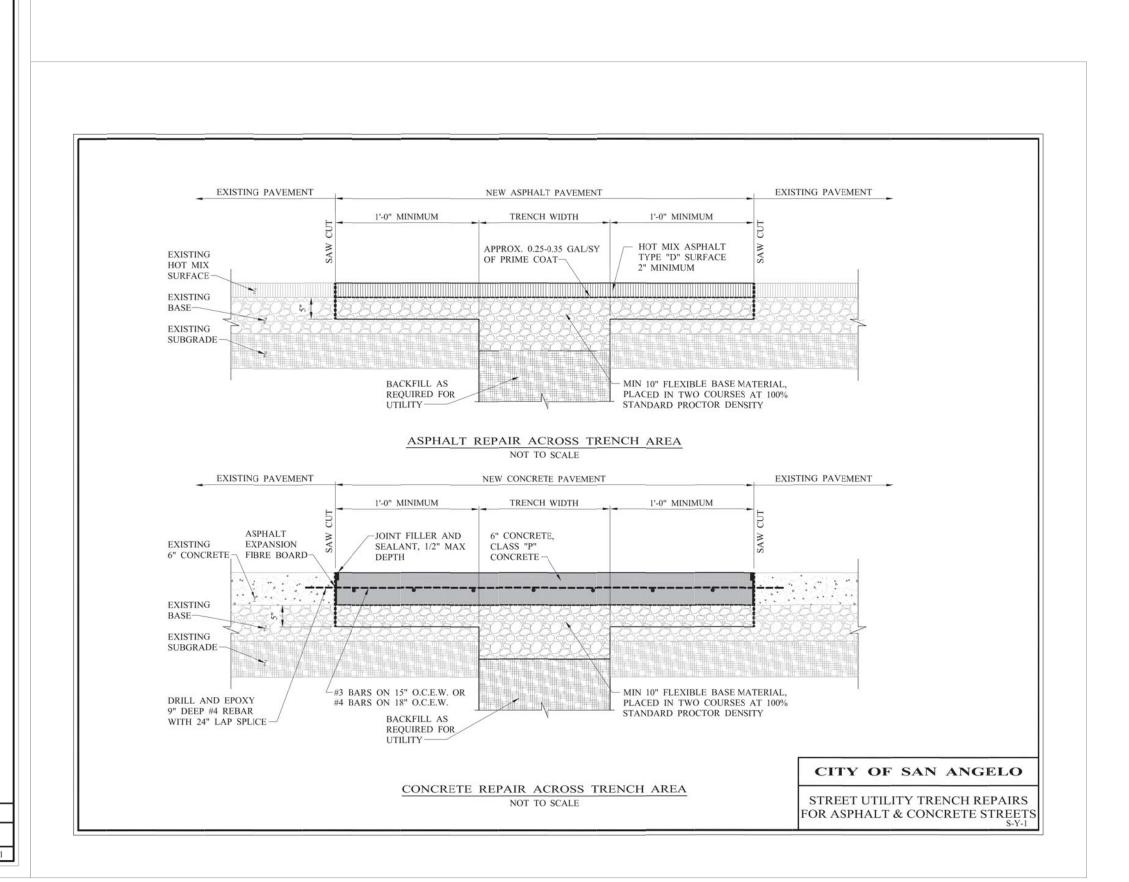
LIGHT BROOM

SPILL CURB AND GUTTER

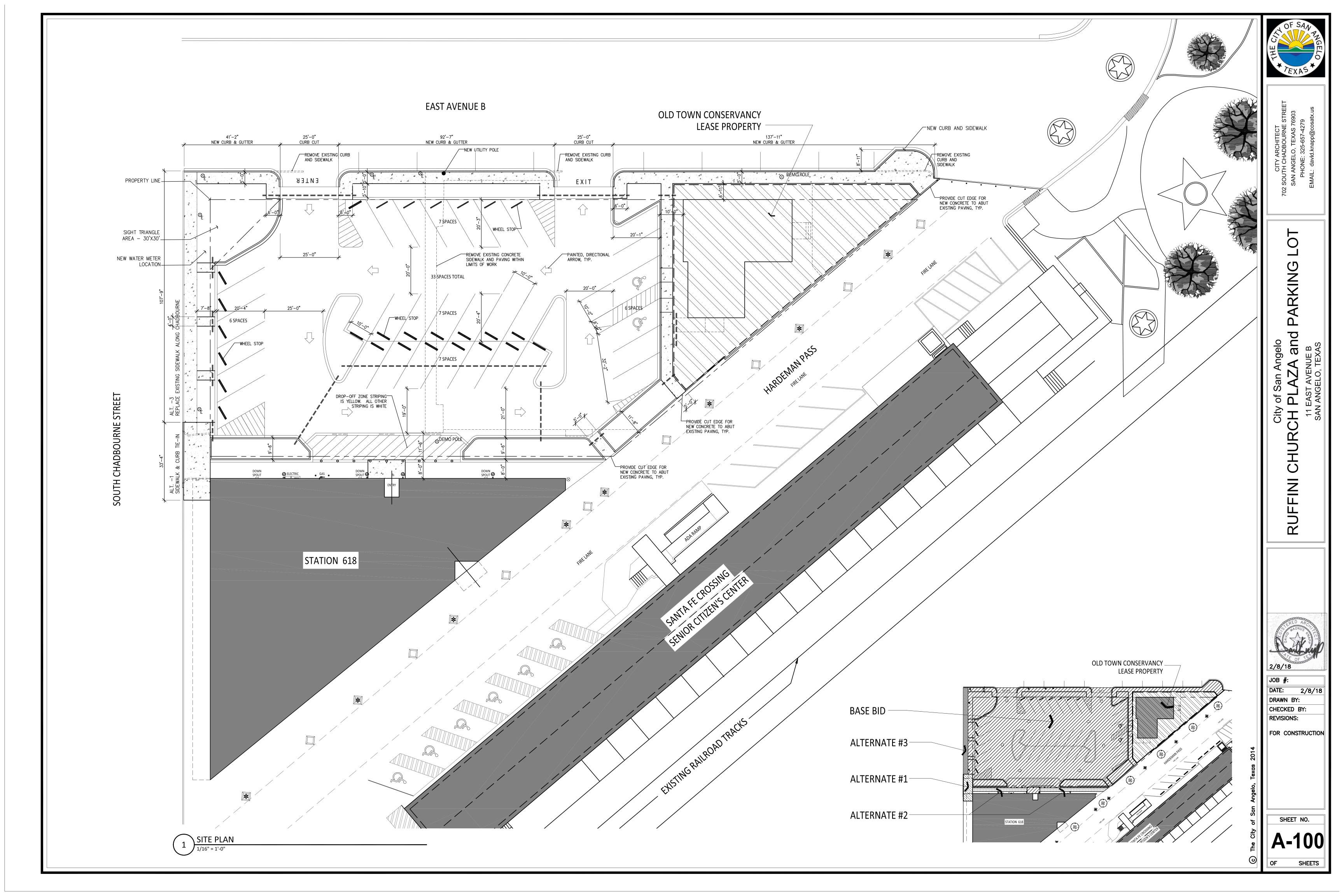
NOT TO SCALE

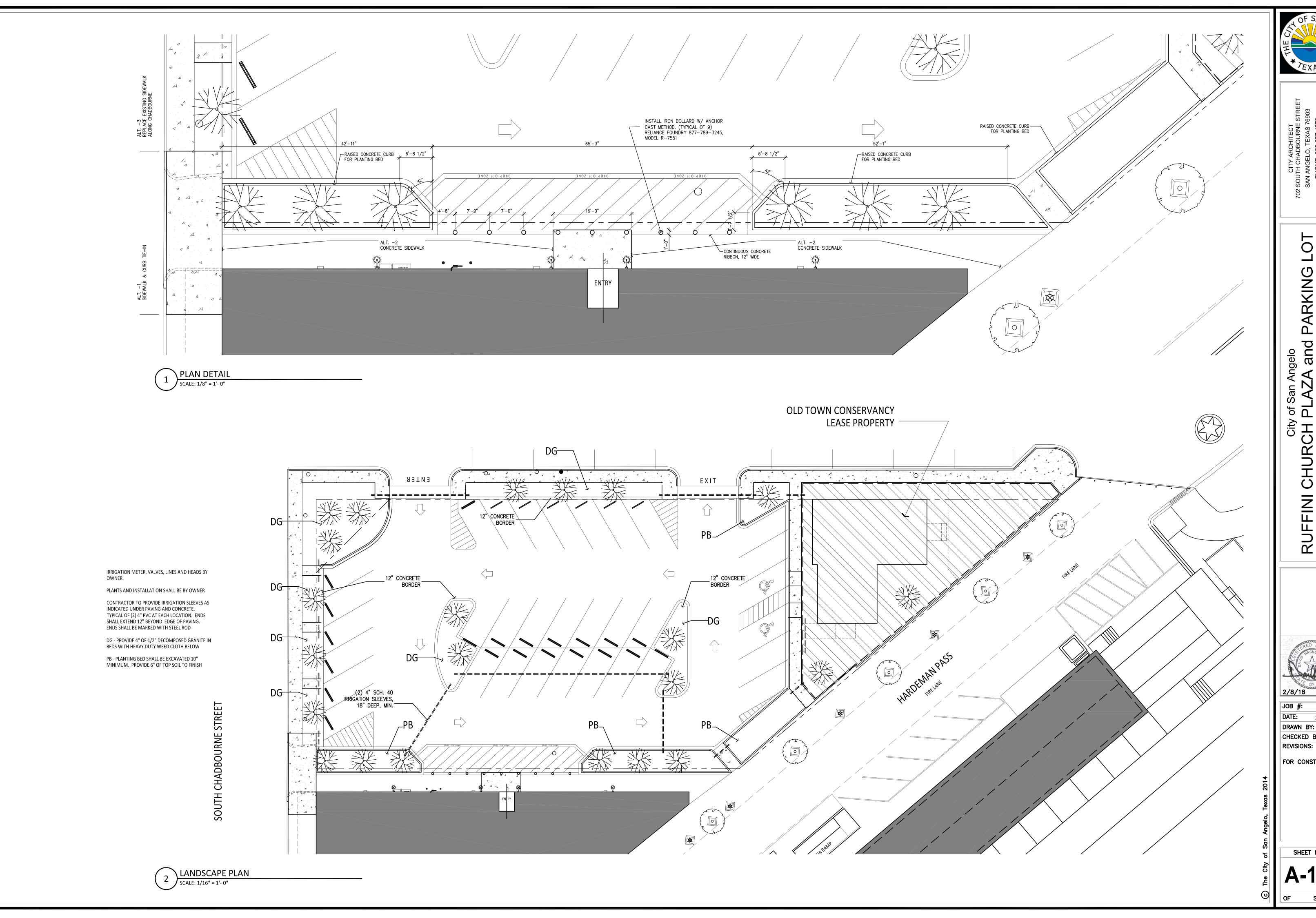
CITY OF SAN ANGELO

CONCRETE CURB & GUTTERS



LAP SPLICE LENGTHS:





PARKING

JOB #: DATE: 2/8/18 DRAWN BY: CHECKED BY:

REVISIONS:

FOR CONSTRUCTION

SHEET NO.

SHEETS