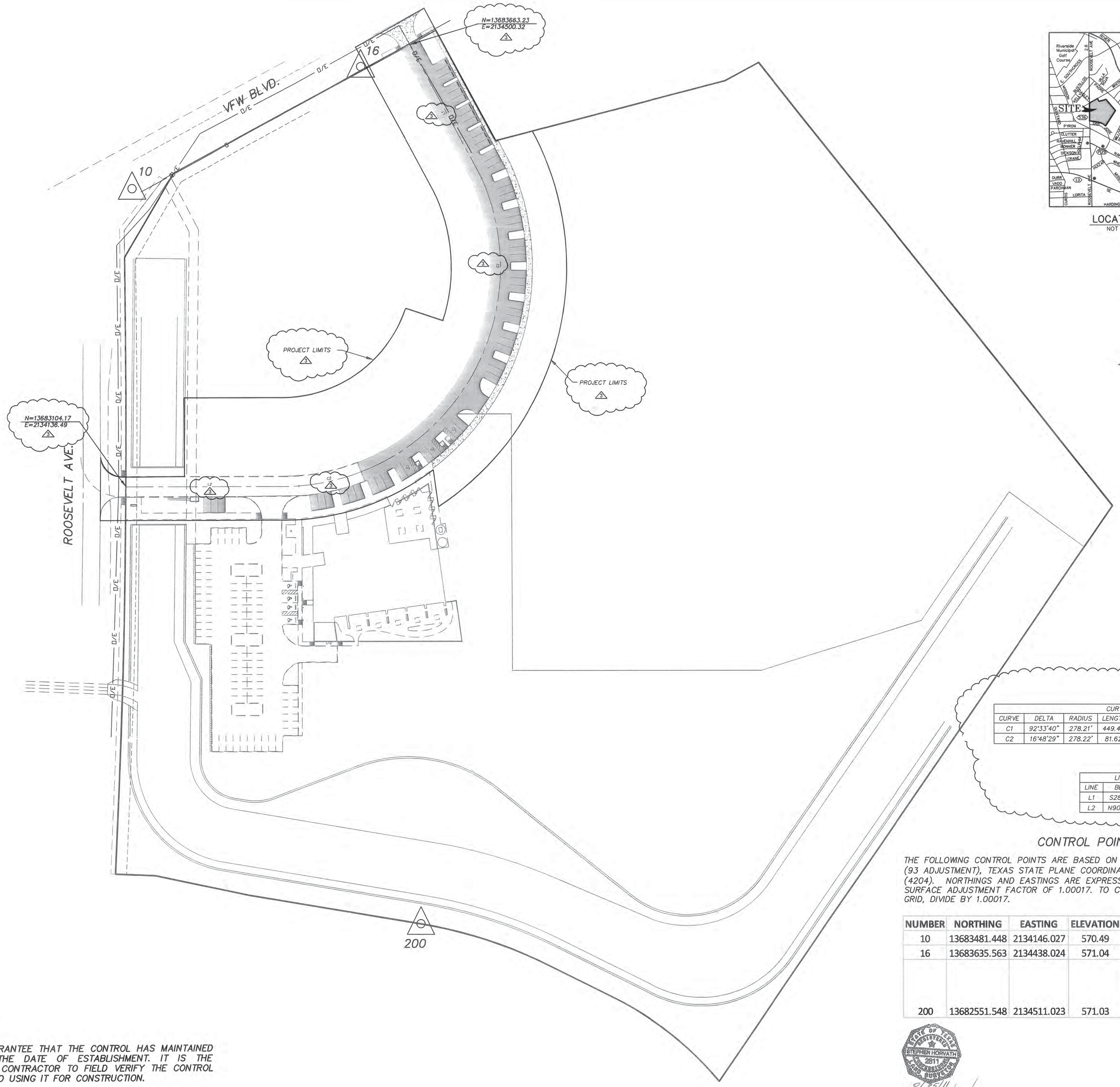
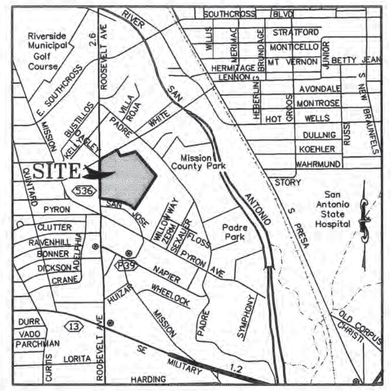




LOCATION MAP
NOT TO SCALE

SCALE
1"=50'

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C1	92°33'40"	278.21'	449.45'	290.93'	N22°35'36"E	402.14'
C2	16°48'29"	278.22'	81.62'	41.10'	N77°16'32"E	81.33'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S28°16'04"E	191.96'
L2	N90°00'00"W	201.36'

CONTROL POINTS

THE FOLLOWING CONTROL POINTS ARE BASED ON NORTH AMERICAN DATUM OF 1983 (93 ADJUSTMENT), TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204). NORTHINGS AND EASTINGS ARE EXPRESSED AS SURFACE VALUES, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017. TO CONVERT SURFACE COORDINATES TO GRID, DIVIDE BY 1.00017.

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	13683481.448	2134146.027	570.49	1/2" IRON ROD WITH VICKREY CAP
16	13683635.563	2134438.024	571.04	1/2" IRON ROD WITH VICKREY CAP
200	13682551.548	2134511.023	571.03	BRASS DISC SET IN CONCRETE, STAMPED US BUREAU OF LAND MANAGEMENT, DEPARTMENT OF INTERIOR

STATE OF TEXAS
REGISTERED
STEPHEN HORVATH
2811
PROFESSIONAL LAND SURVEYOR

8/12/11

PROPERTY DESCRIPTION:
26.02 ACRES
LOT 39, NCB 7675
MISSION BRANCH LIBRARY SUBDIVISION
PLAT # 090344
VOL. 9616, PG. 5, D.P.R.
ADDRESS: 3134 ROOSEVELT AVE.

NOTE TO CONTRACTOR:

SURVEYOR CANNOT GUARANTEE THAT THE CONTROL HAS MAINTAINED ITS INTEGRITY SINCE THE DATE OF ESTABLISHMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE CONTROL FOR ACCURACY PRIOR TO USING IT FOR CONSTRUCTION.

AUGUST, 2011

KELL MUÑOZ
P.O. Box 90206 SAN ANTONIO TX 78209
101 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Telephone: (210)349-3271
FAX: (210) 349-2561
Firm Registration No.: F-159

City of San Antonio
Mission Loop Road Extension

Revisions		
#	DESCRIPTION	DATE
1	REV. SIDEWALK & H/C SPACE	08/12/11
2	ADDENDUM #1	08/17/11
3	ADDENDUM #4	08/26/11

Sheet Title
SITE CONTROL PLAN

Date
AUGUST 12, 2011

Project Number
28012A

Drawn By
EM

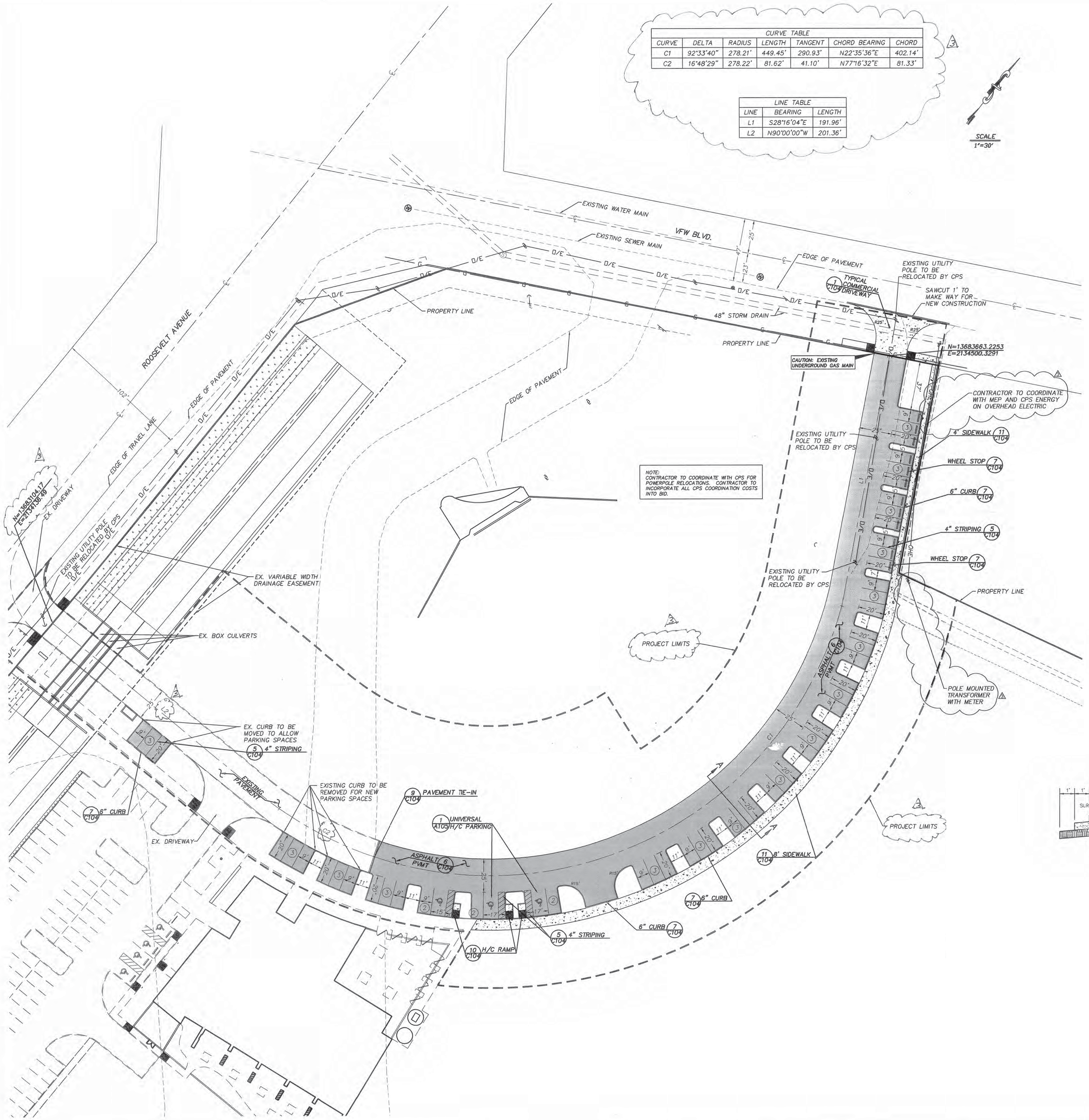
Sheet Number
C-100

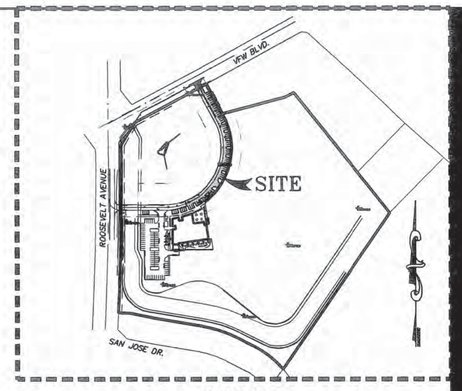
Aug 26, 2011 - 4:47pm
K:\12003-0002\dwg\Misc\Misc\misc.dwg

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C1	92°33'40"	278.21'	449.45'	290.93'	N22°35'36"E	402.14'
C2	16°48'29"	278.22'	81.62'	41.10'	N77°16'32"E	81.33'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S28°16'04"E	191.96'
L2	N90°00'00"W	201.36'

SCALE
1"=30'





INDEX MAP
1"=400'

LEGEND

570	EXISTING CONTOUR
570	PROPOSE CONTOUR
	PROJECT BOUNDARY
G	EX. GAS MAIN
O/E	EX. OVERHEAD ELECTRIC
	UTILITY POLE
679.50	FINISHED GROUND ELEVATION
W	EX. SAN.SEWER MANHOLE
S	EX. STORM SEWER DRAINAGE
EX.	EXISTING

NOTES:

CONTRACTOR TO SECURE ANY POWER POLES IF WITHIN 5' RADIUS DURING CONSTRUCTION.

CONTRACTOR TO REMOVE EXISTING PAVEMENT AS NECESSARY FOR DRIVEWAY EXTENSION.

ALL SPOILS AND DEBRI FROM DEMOLITION SHALL BE REMOVED FROM SITE AND DISPOSED OF PROPERLY.

NOTE

CONTRACTOR TO LOCATE AND FIELD VERIFY ALL EXISTING UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER LINES, GAS LINES, SEWER LINES, TELEPHONE LINES, FIBER OPTIC LINES, AND ELECTRIC LINES.

ARCHAEOLOGY NOTE:
IF A PREVIOUSLY UNIDENTIFIED SITE IS ENCOUNTERED DURING CONSTRUCTION WORK, ACTIVITIES MUST IMMEDIATELY STOP IN THE VICINITY AND CONTACT THE HPO/CITY ARCHAEOLOGIST KAY HINDES (210/207-7306) WHO WILL NOTIFY THE SHPO.

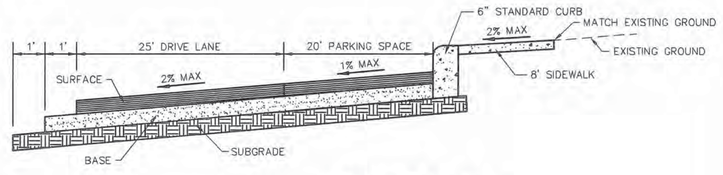
NOTE:
ALL PARKING SPACES ARE 9'W X 20'L UNLESS OTHERWISE NOTED.

NOTE:
CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR HANDICAP PARKING DETAIL. SEE SHEET A-105 DETAIL 1

NOTE:
CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR SIDEWALK PATTERNS.

TRAFFIC SUMMARY TABLE

BUILDING USE	NONE
PARKING STORAGE STANDARDS	
REGULAR ACTUAL/PROPOSED PARKING	55
HANDICAPPED (ADA) REQUIRED REGULAR H.C. PARKING REQUIRED V.A. PARKING PROPOSED H.C. PARKING	3 TOTAL 1(INCLUDED IN TOTAL) 3(1 V.A. INCLUDED)



SECTION "A-A"
N.T.S.

NOTE:
THERE ARE NO DOMESTIC OR IRRIGATION WATER METERS ASSOCIATED WITH THIS PHASE.

PROPERTY DESCRIPTION:
26.02 ACRES
LOT 39, NCB 7675
MISSION BRANCH LIBRARY SUBDIVISION
PLAT # 090344
VOL. 9616, PG. 5, D.P.R.
ADDRESS: 3134 ROOSEVELT AVE.

KELL MUÑOZ
P.O. Box 90208 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Telephone: (210)349-3271
FAX: (210) 349-2561
Firm Registration No.: F-159

STATE OF TEXAS
JEFFREY S. TONDRE
85609
LICENSED
PROFESSIONAL ENGINEER
8/26/11

City of San Antonio
Mission Loop Road Extension

Revisions		
#	DESCRIPTION	DATE
1	REV. SIDEWALK & H/C SPACE	08/12/11
2	ADDENDUM #1	08/17/11
3	ADDENDUM #4	08/26/11

Sheet Title
SITE DIMENSION PLAN

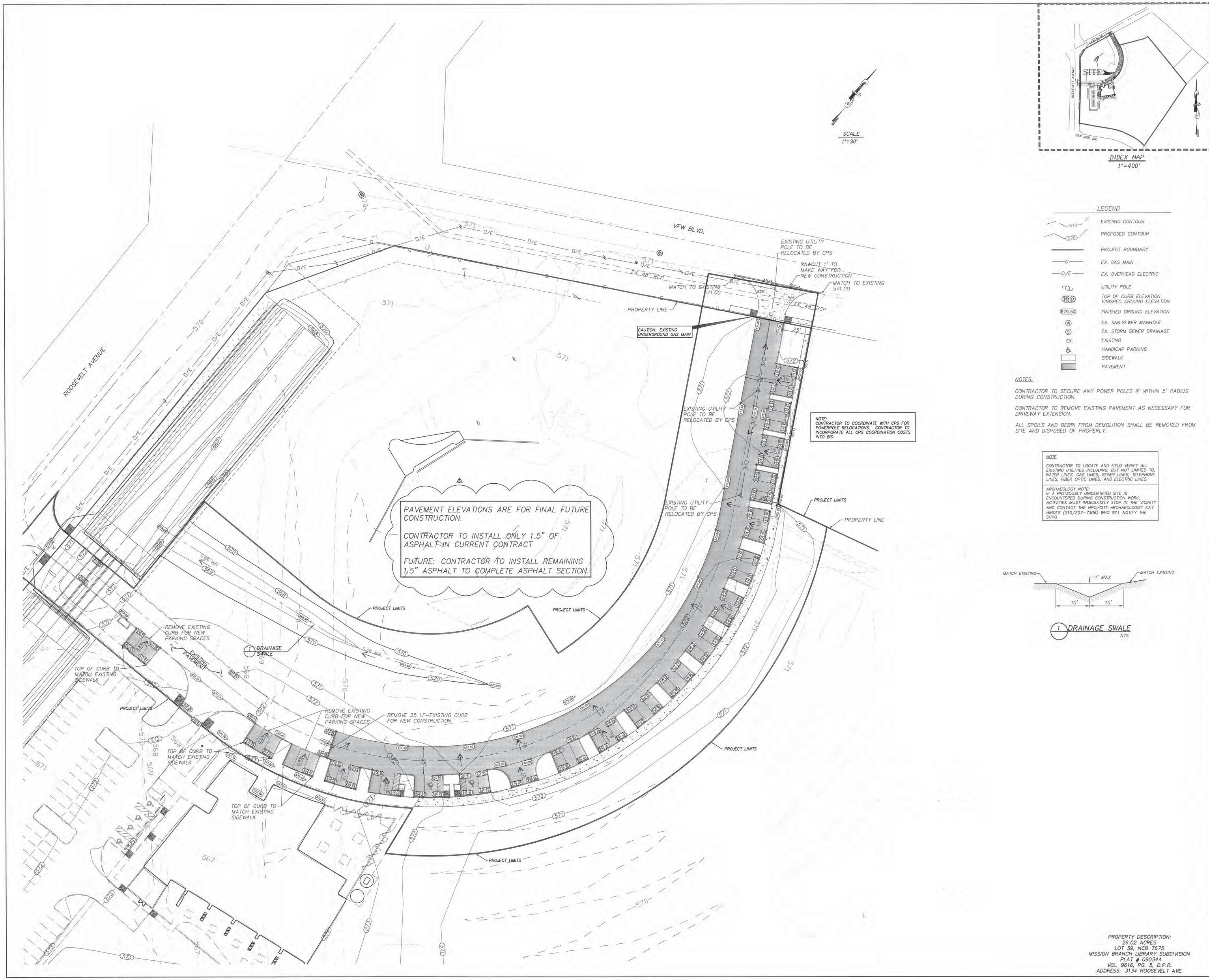
Date
AUGUST 12, 2011

Project Number
28012A

Drawn By
PG

Sheet Number
C-101

Aug 25, 2011 - 4:00pm
N:\12000-002\dwg\sh_01\site.dwg



INDEX MAP
1"=400'

LEGEND

570	EXISTING CONTOUR
570	PROPOSED CONTOUR
	PROJECT BOUNDARY
—G—	EX. GAS MAIN
—O/E—	EX. OVERHEAD ELECTRIC
	UTILITY POLE
650.50 / 629.50	TOP OF CURB ELEVATION / FINISHED GROUND ELEVATION
679.50	FINISHED GROUND ELEVATION
W	EX. SAN.SEWER MANHOLE
S	EX. STORM SEWER DRAINAGE
EX.	EXISTING
	HANDICAP PARKING
	SIDEWALK
	PAVEMENT

NOTES:

CONTRACTOR TO SECURE ANY POWER POLES IF WITHIN 5' RADIUS DURING CONSTRUCTION.

CONTRACTOR TO REMOVE EXISTING PAVEMENT AS NECESSARY FOR DRIVEWAY EXTENSION.

ALL SPOILS AND DEBRI FROM DEMOLITION SHALL BE REMOVED FROM SITE AND DISPOSED OF PROPERLY.

NOTE

CONTRACTOR TO LOCATE AND FIELD VERIFY ALL EXISTING UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER LINES, GAS LINES, SEWER LINES, TELEPHONE LINES, FIBER OPTIC LINES, AND ELECTRIC LINES.

ARCHAEOLOGY NOTE:
IF A PREVIOUSLY UNIDENTIFIED SITE IS ENCOUNTERED DURING CONSTRUCTION WORK, ACTIVITIES MUST IMMEDIATELY STOP IN THE VICINITY AND CONTACT THE HPO/CITY ARCHAEOLOGIST KAY HINDES (210/207-7306) WHO WILL NOTIFY THE SHPO.

1 DRAINAGE SWALE
NTS

PROPERTY DESCRIPTION:
26.02 ACRES
LOT 39, NCB 7675
MISSION BRANCH LIBRARY SUBDIVISION
PLAT # 090344
VOL. 9616, PG. 5, D.P.R.
ADDRESS: 3134 ROOSEVELT AVE.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Telephone: (210)349-3271
FAX: (210) 349-2561
Firm Registration No.: F-159

JEFFREY S. TONDRE
85609
8/26/11

City of San Antonio
Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	REV. SIDEWALK & H/C SPACE	08/12/11
2	ADDENDUM #1	08/17/11
3	ADDENDUM #4	08/26/11

Sheet Title
SITE GRADING & DRAINAGE PLAN

Date
AUGUST 12, 2011

Project Number
28012A

Drawn By
PGF

Sheet Number
C-102

SEDIMENTATION AND EROSION CONTROLS

A. DESIGN CRITERIA

(1) Fences are to be constructed along level contours.

(2) The ends of the fence shall be turned upstream to prevent bypass of stormwater.

(3) Steel posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source. Post must be embedded a minimum of one foot.

(4) The toe of the silt fence shall be trenched in with a spade or mechanical trencher, so that the downslope face of the trench is flat and perpendicular to the line of flow. Where fence cannot be trenched in (e.g. pavement), weight fabric flap with washed gravel on uphill side to prevent flow under fence.

(5) The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.

(6) Silt fence should be securely fastened to each steel support post or to woven wire. Which is in turn attached to the steel fence post. There shall be a 6" double overlap, securely fastened where ends of

(7) Inspection shall be made weekly or after each rainfall. Repair or replacement shall be made promptly

(8) Accumulated silt shall be removed when it reaches a depth of 6 inches. The silt shall be disposed of in an approved site and in such a manner as to not contribute to the additional siltation.

B. TEMPORARY DIVERSION DIKE

(1) Maximum depth of flow at the dike shall be 1 foot.

(2) Side slopes of the diversion dike shall be 3:1 or flatter.

(3) Minimum width of the embankment at the top shall be 2 feet.

(4) Minimum embankment height shall be 18 inches as measured from the toe of slope on the upgrade side of the berm.

(5) The dikes shall remain in place until all disturbed areas which are protected by the dike are permanently stabilized unless other controls are put into place to protect the site.

(6) Compacted earth dikes require stabilization immediately upon placement so as not to contribute to the problem they are addressing.

(7) All diversion dikes shall have positive drainage to an outlet.

(8) Dikes must be inspected on a regular basis to determine if silt is building up behind the dike, or if erosion is occurring on the face of the dike. Silt shall be removed in a timely manner. If erosion is occurring on the face of the dike, the slopes of the face shall be stabilized.

C. INTERCEPTOR SWALE

(1) Maximum depth of flow in the swale shall be 1 foot.

(2) The minimum bottom width of the swale shall be 2 feet.

(3) Side slopes of the swale shall be 3:1 or flatter.

(4) Minimum design channel freeboard shall be 6 inches.

(5) Swales must maintain positive grade to an acceptable outlet.

(6) Interceptor swales must be stabilized immediately upon excavation so as not to contribute to the erosion problem they are addressing.

(7) All trees, brush, stumps, obstructions and other material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.

(8) All earth removed and not needed in construction shall be disposed of in an approved spoils site.

(9) Inspection must be made after each rain event to locate and repair any damage to the channel or to clear debris or other obstructions so as not to diminish flow capacity. Damages which result from normal construction activities shall be repaired at the end of each work day.

D. HAY BALE DIKE

(1) Each hay bale shall be placed into an excavated trench having a depth of 4 inches and a width just wide enough to accommodate the bales themselves.

(2) Hay bales shall be installed in such a way that there is no space between to allow for any kind of seepage.

(3) Individual bales shall be held in place by no less than two wood or steel stakes driven a minimum distance of 6 inches into undisturbed ground, with the first stake driven at an angle toward the previously installed bale.

(4) The ends of the dike shall be turned upgrade to prevent bypass of stormwater.

(5) Inspection shall be weekly or after each rainfall event and repair or replacement shall be made promptly as needed by the contractor.

(6) When silt reaches a depth of 6 inches, it shall be removed and disposed of in an approved sit.

(7) Hay bales shall be replaced if there are signs of degradation such as straw located downstream from the bales, structural deficiencies due to rotting straw in the bale or other signs of deterioration. Sediment should be removed from behind the bales when it reaches a depth of approximately 6 inches. If the bales become clogged, they should be replaced immediately.

E. SANDBAG BERM

(1) Minimum height shall be 18 inches.

(2) Minimum width of the berm shall be 18 inches at the top and 48 inches measured at the bottom.

(3) Maximum side slopes shall be 2:1.

(4) The ends of the berm shall be turned upgrade or shall tie into natural grades to prevent bypass of stormwater.

(5) Sandbags should be stacked in at least three rows abutting each other, and in staggered arrangement.

(6) Inspections should be made on a daily basis and after each rain event. The sandbags shall be reshaped or replaced as needed during the inspection. Silt should be removed when it reaches a depth of six (6) inches.

F. STONE OUTLET SEDIMENT TRAP

(1) Minimum width of the embankment at the top shall be 3 feet perpendicular to the flow.

(2) Minimum embankment slope shall be 3:1.

(3) Maximum embankment height shall be 2 feet as measured from the toe of slope to the crest of the stone outlet. The height of the compacted earth embankment shall be one foot higher than the crest of the outlet.

(4) Sediment shall be removed and the area directly behind the berm shall be regraded to its original dimensions at such point when the capacity of impoundment has been reduced to one-half of its original storage capacity.

(5) The stone outlet structure should be inspected frequently and after each major rain event to check for clogging of the void spaces between stones. If the aggregate appears to be silted in such that efficiency is diminished, the stone should be replaced.

G. SEDIMENT BASIN

(1) Maximum drainage area contributing to the basin shall be 100 acres.

(2) Deposited sediment shall be removed when the storage capacity of the basin has been depleted by one-half.

(3) Minimum width of the embankment at the top shall be 8 feet.

(4) Minimum embankment slope shall be 3:1.

(5) Sediment shall be removed and the basin shall be regraded to its original dimensions. The removed sediment shall be stockpiled or redistributed in areas which are protected from erosion.

(6) The basin outlet structure and emergency spillway (if present) should be checked frequently and after each major rain event to check for damage.

H. STABILIZED CONSTRUCTION EXIT

(1) Stone size – 3 to 5 inches crushed rock.

(2) Length – as effective, but not less than 50 feet, unless depth of lot is less than 150 feet from edge of pavement where length must only be 30 feet.

(3) Thickness – not less than 8 inches.

(4) Width – not less than full width of all points of ingress or egress.

(5) Washing – when necessary, wheels shall be cleaned to remove sediment prior to entrance onto public roadway. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch or watercourse using approved methods.

(6) Maintenance – the entrance shall be maintained in condition which will prevent tracking or flowing of sediment onto public roadways. This may require periodic top dressing with additional stone as conditions demand, and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public roadway, must be removed immediately.

(7) Drainage – entrance must be properly graded or incorporate a drainage swale to prevent runoff from leaving the construction site.

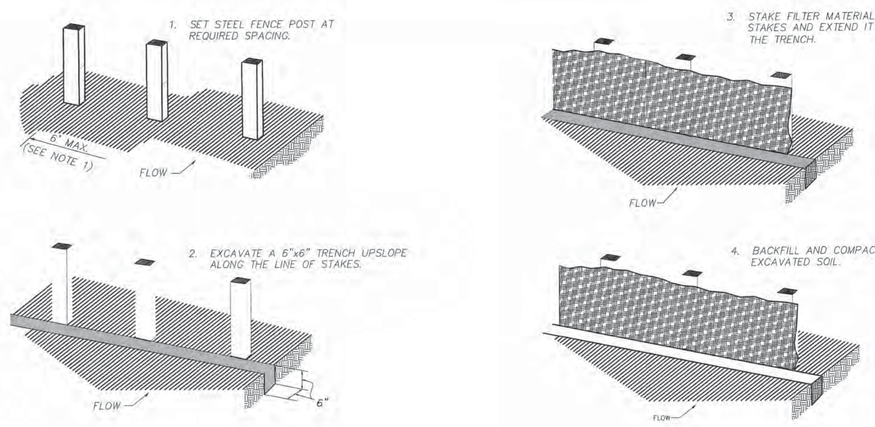
ADDITIONAL NOTES:

(1) Upon completion of construction all disturbed areas shall be revegetated to 70% of existing conditions in accordance with the SWPPP and TPDES requirements.

(2) This project will not use any off-site material, waste/borrow/fill, or equipment storage areas.

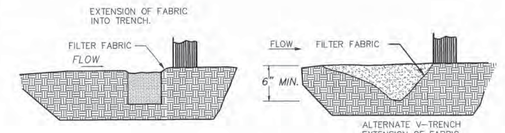
(3) This site is not located adjacent to any surface waters.

(4) This site will not have any locations where storm water discharges directly to a surface water body.



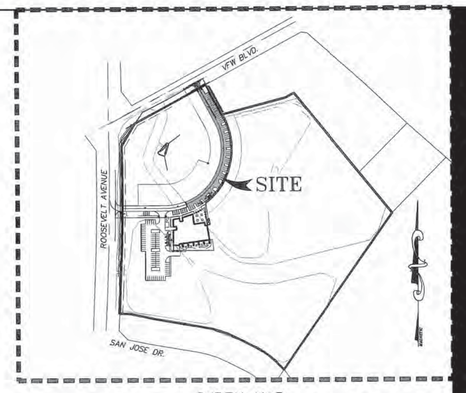
GENERAL NOTES:

1. STEEL POSTS TO BE SET AT 6-FOOT MAXIMUM SPACING WITH MINIMUM EMBEDMENT OF 1-FOOT. IF FACTORY PREASSEMBLE FENCE WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAXIMUM.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 3 FEET AND SECURELY FASTENED WHEN ENDS OF FABRIC MEET.



1 SILT FENCE
N.T.S.

SCALE
1"=60'



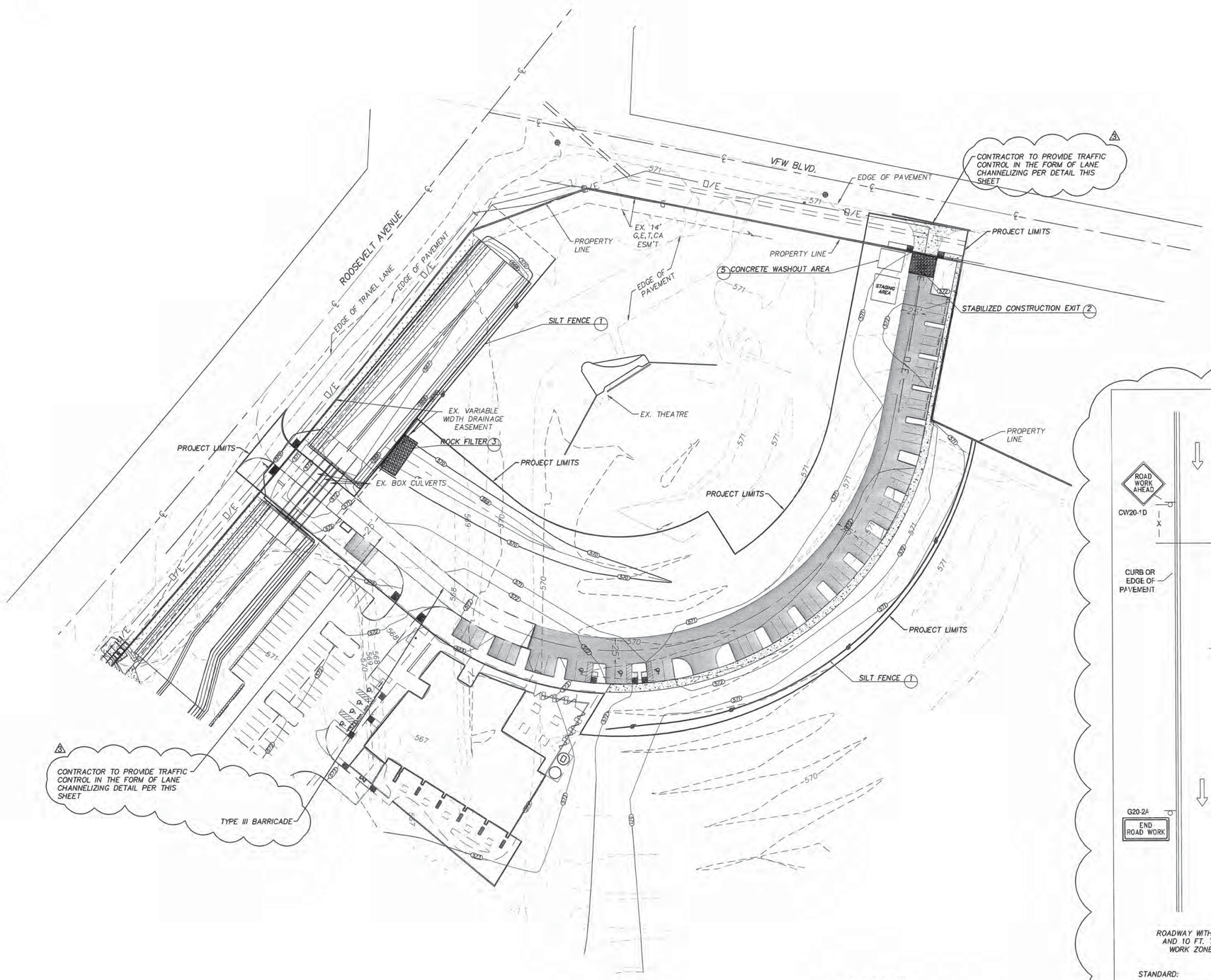
INDEX MAP
1"=400'

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Telephone: (210)349-3271
FAX: (210) 349-2561
Firm Registration No.: F-159

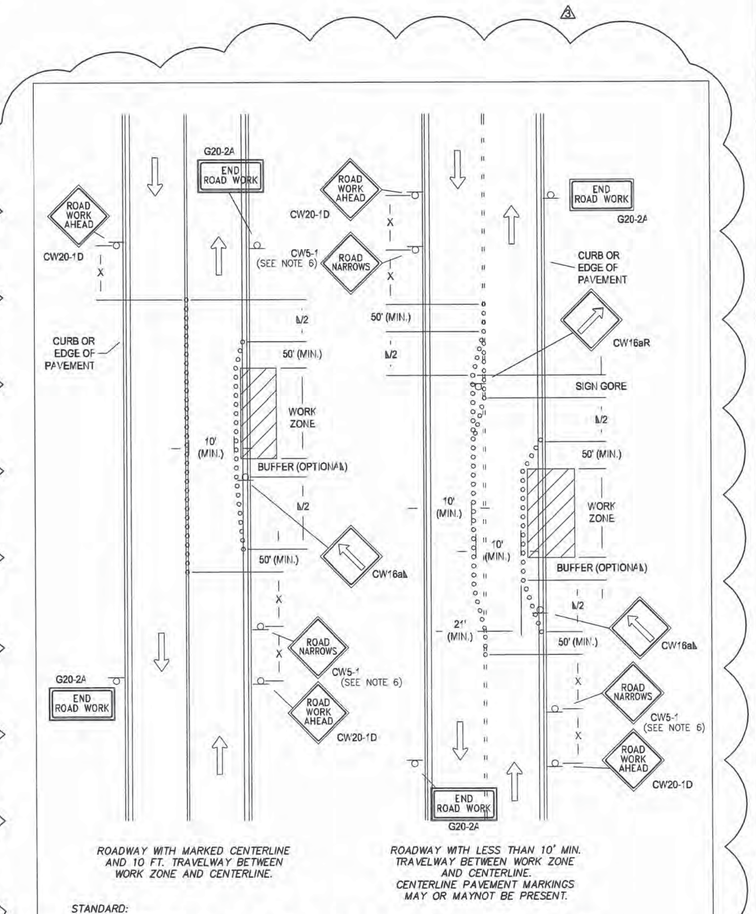
STATE OF TEXAS
JEFFREY S. TONDRE
85609
LICENSED
PROFESSIONAL ENGINEER
8/26/11

CITY OF SAN ANTONIO



LEGEND

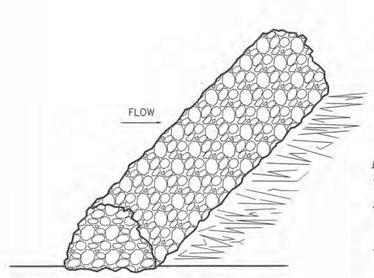
- SILT FENCE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- FLOW ARROW
- ROCK BERM
- INLET PROTECTION

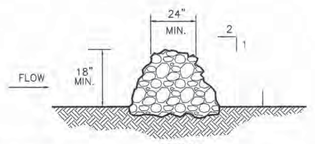


STANDARD:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED BY A PERSON TRAINED IN WORK ZONE TRAFFIC CONTROL. IF REQUESTED, THIS PERSON SHALL SHOW PROOF OF TRAINING CERTIFICATION.

LANE CHANNELIZING
N.T.S.



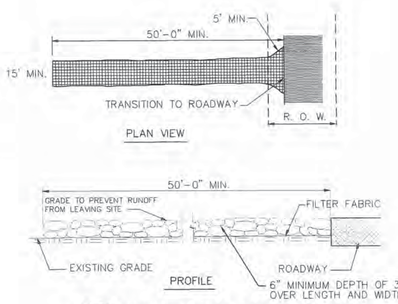


SECTION

ROCK BERM NOTES:

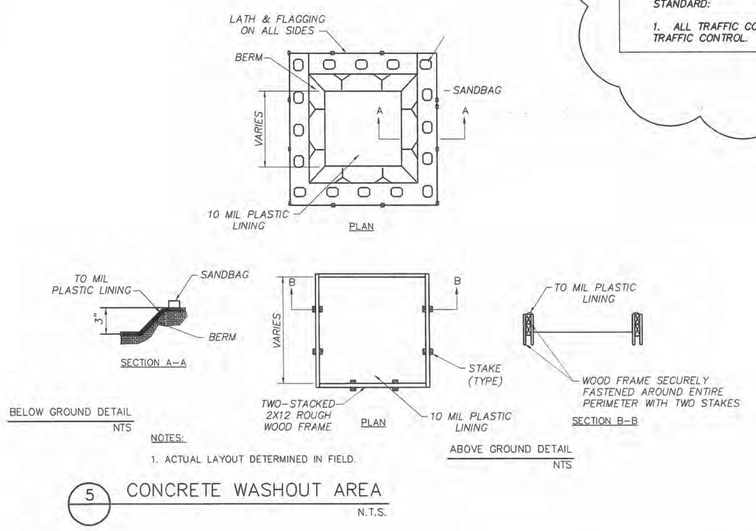
1. USE ONLY OPEN GRADED ROCK 100 to 200 mm (4 to 8") DIAMETER FOR STREAM FLOW CONDITIONS. USE OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 1.2 mm (20 GAUGE). ROCK BERM IN CONCENTRATED FLOW LOCATIONS SHALL BE ANCHORED FIRMLY INTO THE SUBSTRATE A MINIMUM OF 150 mm (6") WITH T-POSTS OR WITH 15M OR 20M (#5 OR #6) REBAR, WITH MAXIMUM SPACING APART OF 1.2 m (48") ON CENTER.
3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED IN AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SILTATION PROBLEM.
5. DAILY INSPECTION SHALL BE MADE ON SEVERE-SERVICE ROCK BERMS. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 150 mm (6").
6. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

3 ROCK FILTER DAM
NTS



6" MINIMUM DEPTH OF 3" TO 8" AGGREGATE OVER LENGTH AND WIDTH OF STRUCTURE

2 STABILIZED CONSTRUCTION EXIT
N.T.S.



NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.

5 CONCRETE WASHOUT AREA
N.T.S.

PROPERTY DESCRIPTION:
26.02 ACRES
LOT 39, NCB 7675
MISSION BRANCH LIBRARY SUBDIVISION
PLAT # 090344
VOL. 9616, PG. 5, D.P.R.
ADDRESS: 3134 ROOSEVELT AVE.

City of San Antonio
Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	REV. SIDEWALK & H/C SPACE	08/12/11
2	ADDENDUM #1	08/17/11
3	ADDENDUM #4	08/26/11

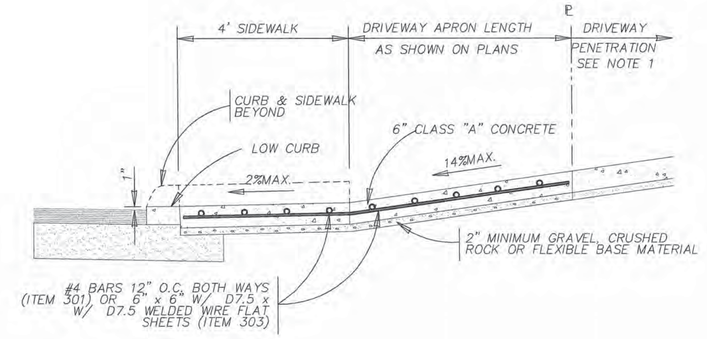
Sheet Title
STORMWATER POLLUTION PREVENTION SITE PLAN & TRAFFIC CONTROL PLAN

Date
AUGUST 12, 2011

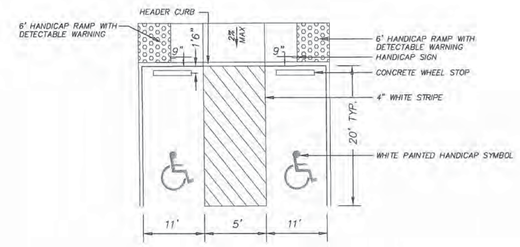
Project Number
28012A

Drawn By
PG

Sheet Number
C-103



TYPICAL COMMERCIAL DRIVEWAY SECTION
ITEM 502-3 WITH SIDEWALK SEPARATED FROM CURB

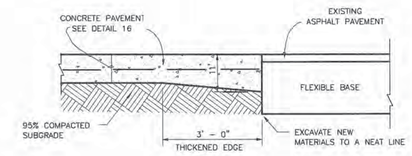


NOTE: ALL SPACES SHALL COMPLY WITH ADA/TAS REQUIREMENTS. REFER TO PLAN FOR PLACEMENT OF UNIVERSAL HANDICAP SPACES.

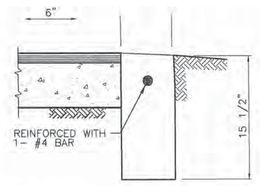
3 HANDICAP PARKING DETAIL UNIVERSAL SPACES N.T.S.

SIDEWALKS AND WHEELCHAIR RAMPS GENERAL NOTES

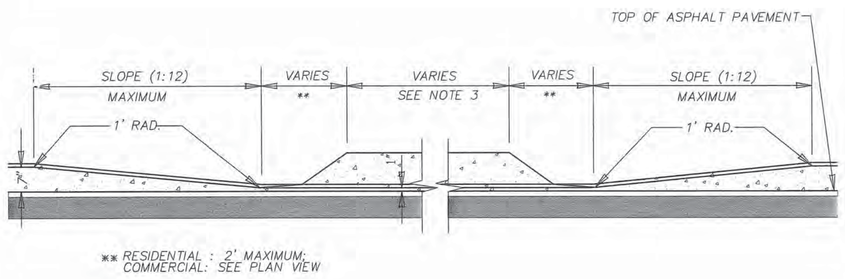
1. WHEN POSSIBLE SIDEWALKS SHOULD BE PLACED NEXT TO THE PROPERTY LINE, ALLOWING A MINIMUM OF 1' WIDE BUFFER SECTION OF THE PATHWAY FROM A STRAIGHT LINE IS ENCOURAGED TO AVOID TREES OR OTHER OBSTRUCTIONS.
2. FOR LOCAL TYPE "A" STREETS, SIDEWALKS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4' AND 8' SEPARATED FROM THE CURB. THE SIDEWALK SHALL BE LOCATED A MINIMUM OF 2' FROM THE BACK OF CURB.
3. FOR OTHER THAN LOCAL TYPE "A" STREETS, SIDEWALKS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4' AND SEPARATED A MINIMUM OF 2' FROM THE BACK OF CURB OR AS AN OPTION, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 6' WHEN LOCATED AT THE BACK OF CURB.
4. SIDEWALK RAMP LENGTHS PRESENTED IN TABLE 1 ARE GUIDELINES ONLY. SIDEWALK RAMP LENGTHS SHALL BE OF SUFFICIENT LENGTH TO MAINTAIN 8.33% (1:12) MAXIMUM SLOPE.
5. ALL CURB-RAMPS OR LANDINGS ABUTTING THE CROSSWALK SHALL HAVE A DETECTABLE WARNING 24 INCHES DEEP (IN THE DIRECTION OF PEDESTRIAN TRAVEL) AND EXTENDING THE FULL WIDTH OF THE CURB RAMP OR LANDING. THE DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES, ALIGNED IN A GRID PATTERN WITH A DIAMETER OF A NOMINAL 0.9 INCHES (23 MM), A HEIGHT OF NOMINAL 0.2 INCHES (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES (60 MM).
6. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
7. SIDEWALK RAMP TYPE V SHALL BE USED ONLY WHERE THERE IS SIGNIFICANT RESTRICTION WITHIN THE PARKWAY TO CONSTRUCT TYPE I OR TYPE II RAMPS.
8. CONSTRUCTION OF ALL WHEELCHAIR RAMPS TO BE INCLUDED UNDER ITEMS "500 – CONCRETE CURBING", "501 – MACHINE LAID CURB" AND / OR "502 – CONCRETE SIDEWALKS". RAMP SURFACE SHALL BE BRUSH FINISHED.
9. THESE DETAILS ARE FOR REFERENCE ONLY. ACTUAL LOCATIONS OF WHEELCHAIR RAMPS TO BE SHOWN ON CONSTRUCTION PLANS. CITY CONSTRUCTION INSPECTOR CAN ADJUST LOCATIONS FOR SAFETY OR UTILITY CLEARANCE.
10. SIDEWALKS LESS THAN 5 FEET IN WIDTH SHALL BE PROVIDED WITH A PASSING SPACE AT A MAXIMUM SPACING OF 200 FEET.
11. WHEELCHAIR RAMP SHALL BE CONSTRUCTED WITH 4" CLASS "A" CONCRETE AND 2" GRAVEL, CRUSHED ROCK OR FLEXIBLE BASE MATERIAL.
12. REINFORCING STEEL SHALL BE #3 BARS AT 18" O.C.E.W. OR 6" x 6" – W2.9 x W2.9 WIRE MESH.
13. SIDEWALK GRADES SHALL NOT EXCEED THE GRADE ESTABLISHED FOR THE ADJACENT ROADWAY. ANY SIDEWALK CONSTRUCTION THAT DEVIATES FROM THE NATURAL GRADE OF THE ROADWAY TO CREATE A GRADE STEPPER THAN THE EXISTING ROADWAY WILL REQUIRE RAMPS, HANDRAILS AND RESTING PLATFORMS TO BE CONSTRUCTED IN ACCORDANCE WITH ADA AND TAS STANDARDS.
14. SIDEWALK CROSS GRADE SHALL HAVE A MAXIMUM SLOPE OF 2%. LANDINGS SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
15. THE CHANGE OF GRADE BETWEEN ADJACENT SURFACES SHALL BE LESS THAN 11%. THE CHANGE OF GRADE SHALL BE DEFINED AS THE ALGEBRAIC DIFFERENCE OF THE ADJACENT SURFACE SLOPES. IN THE CASE OF A STREET ACCESS RAMP DESIGNED AT THE 8.33% MAXIMUM SLOPE, THE ADJACENT PAVEMENT CROSS SLOPE SHALL BE LESS THAN 2.67% (I.E. 8.33-(-2.67)=11). IN ADDITION, THE ADJACENT PAVEMENT CROSS SLOPE SHALL BE LESS THAN OR EQUAL TO 5%.
16. IF THE CHANGE OF GRADE BETWEEN ADJACENT SURFACES IS GREATER THAN OR EQUAL TO 11%, A LEVELING STRIP, 2 FEET IN LENGTH, SHALL BE PROVIDED TO TRANSITION THE ADJACENT SURFACES.
17. ADA COMPLIANCE IN ALTERATIONS INCLUDE ONLY THAT WORK WITHIN THE LIMITS, BOUNDARIES OR SCOPE OF A PLANNED PROJECT.



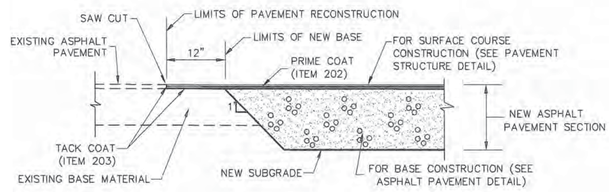
8 ASPHALT TO CONCRETE PAVEMENT JOINT N.T.S.



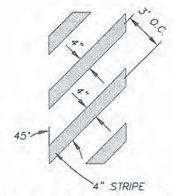
4 HEADER CURB NTS



CURB PROFILE AT DRIVEWAY
WITH SIDEWALK ABUTTING CURB NTS



9 PAVEMENT TIE-IN DETAIL N.T.S.



NOTE: TRAFFIC CONTROL MARKINGS SHALL BE PAINTED WITH A WHITE TRAFFIC MARKING PAINT. PAINT SHALL BE SHERWIN-WILLIAMS "PRO-MAR" TRAFFIC MARKING PAINT, SERIES B29.4.2. PAINT SHALL BE APPLIED IN TWO COATS WITH A 15 MIL MINIMUM DRY FILM THICKNESS.

5 STRIPING DETAIL N.T.S.

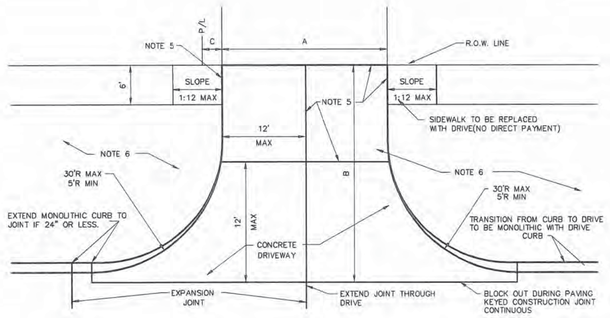


TABLE	
A	12' MIN–35' MAX OR MATCH EXIST ONLY IF DOES NOT EXCEDE MAX.
B	USUALLY TO R.O.W. BUT EXTEND TO MEET 1:12 SLOPE.
C	2' MIN.
D	5' USUAL BUT EXTEND TO MEET 1:12 SLOPE.

1 TYPICAL COMMERCIAL DRIVEWAY NTS

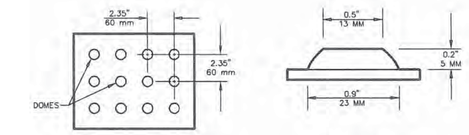
CONCRETE DRIVEWAY NOTES

1. DRIVEWAY PENETRATION REFERS TO A PORTION OF THE DRIVEWAY THAT MAY BE NECESSARY TO RECONSTRUCT WITHIN PRIVATE PROPERTY TO COMPLY WITH A MAXIMUM DRIVEWAY SLOPE.
2. DUMMY JOINTS PARALLEL TO THE CURB SHALL BE PLACED WHERE THE SIDEWALK MEETS THE DRIVEWAY. DUMMY JOINTS PERPENDICULAR TO THE CURB, AND WITHIN THE BOUNDARIES OF THE PARALLEL DUMMY JOINTS, SHALL BE PLACED AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK.
3. A MINIMUM OF TWO ROUND AND SMOOTH DOWEL BARS 3/8" IN DIAMETER AND 18" IN LENGTH SHALL BE SPACED 18" APART AT EACH EXPANSION JOINT.
4. WHERE SIDEWALKS CROSS DRIVEWAYS, THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%
5. SAWCUT ALL EXIST. CONC. (i.e. SIDEWALKS, DRIVES, ETC.) AND PLACE PREFORMED BITUMINOUS EXPANSION JOINT.
6. ALL TRENCHES UNDER PROPOSED DRIVEWAYS SHALL BE BACKFILLED WITH 1 1/2 SACK CEMENT STABILIZED SAND.

CONTRACTOR TO INSTALL ONLY 1.5" OF ASPHALT
FUTURE PHASE: CONTRACTOR TO INSTALL REMAINING 1.5" ASPHALT TO COMPLETE ASPHALT SECTION

ASPHALT PAVEMENT SECTION SHALL BE AS FOLLOWS: 3" ASPHALT, PRIME COAT, 12" FLEXIBLE BASE, AND 6" LIME STABILIZED BASE AT 30 LBS/SY. LIME APPLICATION SHALL BE SLURRY. CONTRACTOR OF THIS PROJECT WILL INSTALL ONLY 1.5" OF ASPHALT PAVEMENT. THE REMAINING 1.5" SHALL BE DONE BY OTHERS.

6 ASPHALT PAVEMENT SECTION N.T.S.

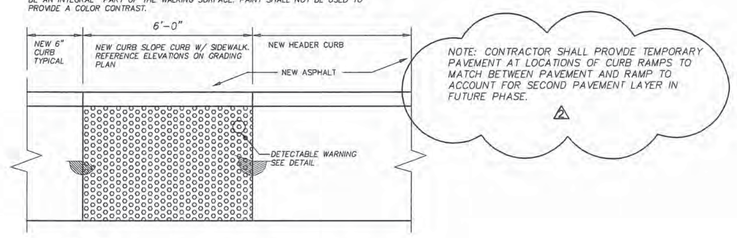


DETECTABLE WARNING
NO SCALE

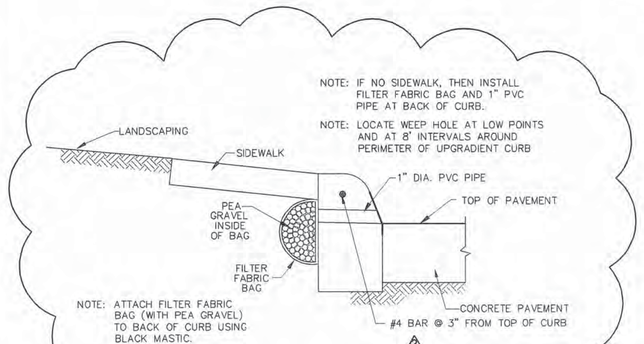
DOME SECTION
NO SCALE

NOTE:
STAMPED CONCRETE TRUNICATED DOMES WILL NOT BE ALLOWED TO BE USED FOR DETECTABLE WARNING ON WHEELCHAIR RAMPS. CONTRACTOR SHALL USE ADA DETECTABLE WARNING PAVERS FOR DETECTABLE WARNING SURFACES AND MUST SUBMIT TRUNCATED DOME INFORMATION THAT IS TO BE USED ON WHEELCHAIR RAMPS TO THE PROJECT MANAGER FOR APPROVAL AT LEAST 30 DAYS PRIOR TO INSTALLATION.

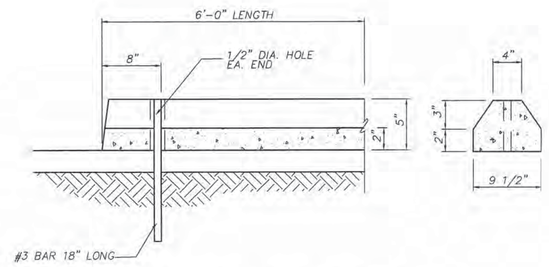
NOTE:
RAMP SURFACE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. PAINT SHALL NOT BE USED TO PROVIDE A COLOR CONTRAST.



10 PLAN – 6' H/C RAMP DETAIL N.T.S.

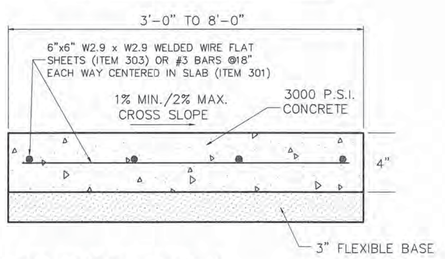


2 CURB WEEP HOLE DETAIL N.T.S.



7 CONCRETE WHEEL STOP DETAIL N.T.S.

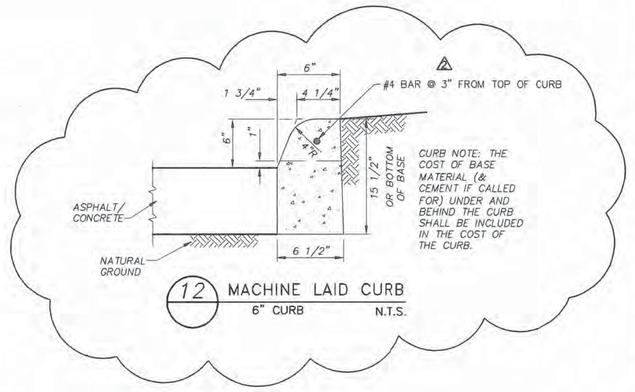
NOTE:
CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR SIDEWALK PATTERNS.



GENERAL NOTES FOR CONCRETE SIDEWALKS:

1. ALL SIDEWALKS SHALL BE A MINIMUM 3000 PSI CONCRETE WITH NO. 3 BARS AT 18" INCHES ON CENTER.
2. SLOPE SIDEWALKS AWAY FROM BLDG. AS INDICATED ON DRAWINGS OR AT 2% MAX.
3. PROVIDE SIDEWALK WITH A HORIZONTAL (CROSS) BRUSH FINISH ON ALL SURFACES.
4. GROOVE CONTRACTION JOINTS SHALL BE SPACED 5 FT. ON CENTER.
5. PROVIDE A 1/2" ELASTOMERIC ISOLATION JOINT ALONG NEW BUILDING BETWEEN ALL NEW SIDEWALK.

11 SIDEWALK DETAIL N.T.S.



12 MACHINE LAID CURB
6" CURB N.T.S.

PROPERTY DESCRIPTION:
26.02 ACRES
LOT 39, NCB 7675
MISSION BRANCH LIBRARY SUBDIVISION
PLAT # 090344
VOL. 9616, PG. 5, D.P.R.
ADDRESS: 3134 ROOSEVELT AVE.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Telephone: (210)349-3271
FAX: (210) 349-2561
Firm Registration No.: F-159

STATE OF TEXAS
JEFFREY S. TONDRE
85609
LICENSED
PROFESSIONAL ENGINEER
8/26/11

City of San Antonio
Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	ADDENDUM #1	08/17/11
2	ADDENDUM #4	08/26/11

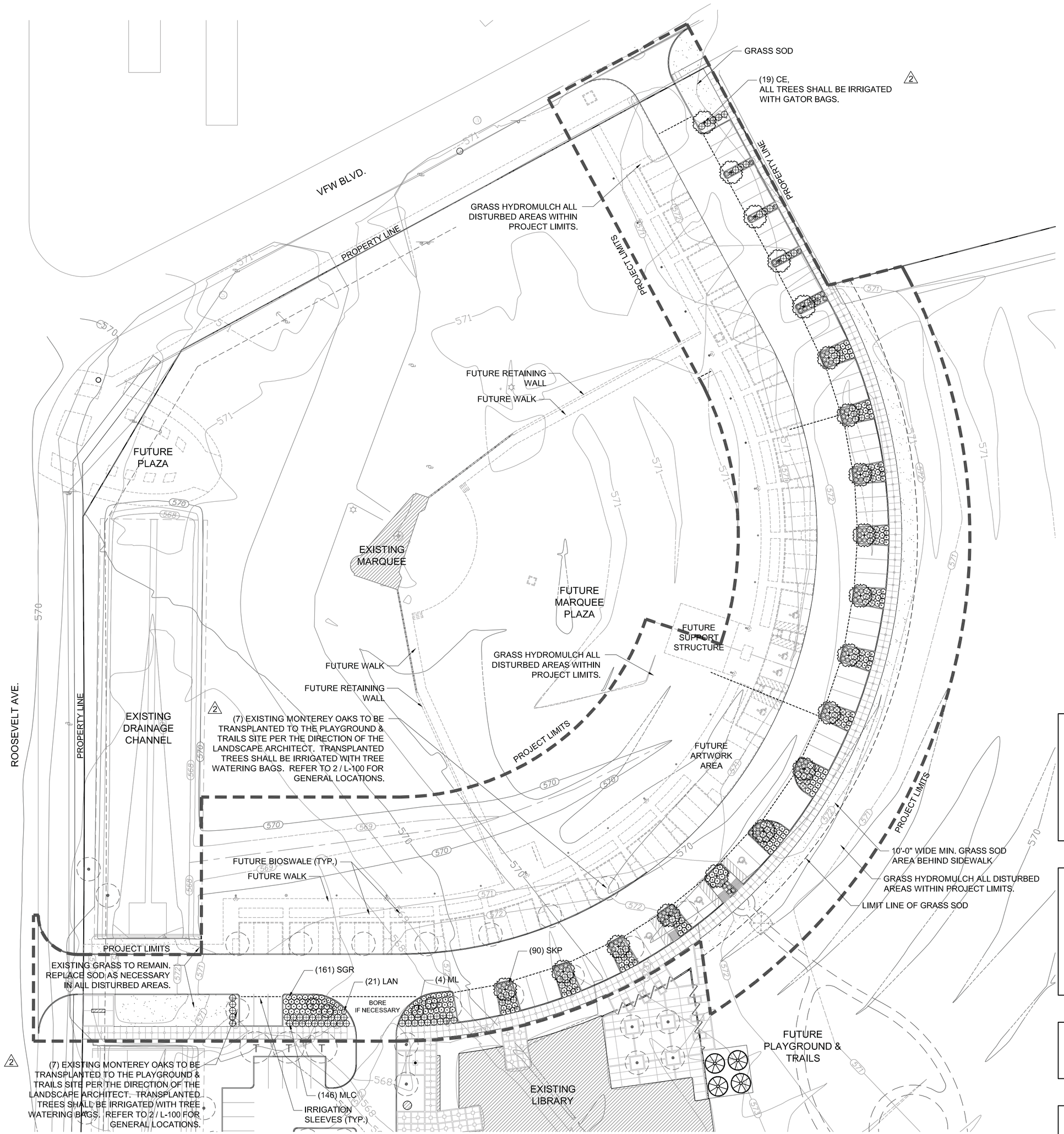
Sheet Title
SITE DETAILS

Date
AUGUST 12, 2011

Project Number
28012A

Drawn By
PG

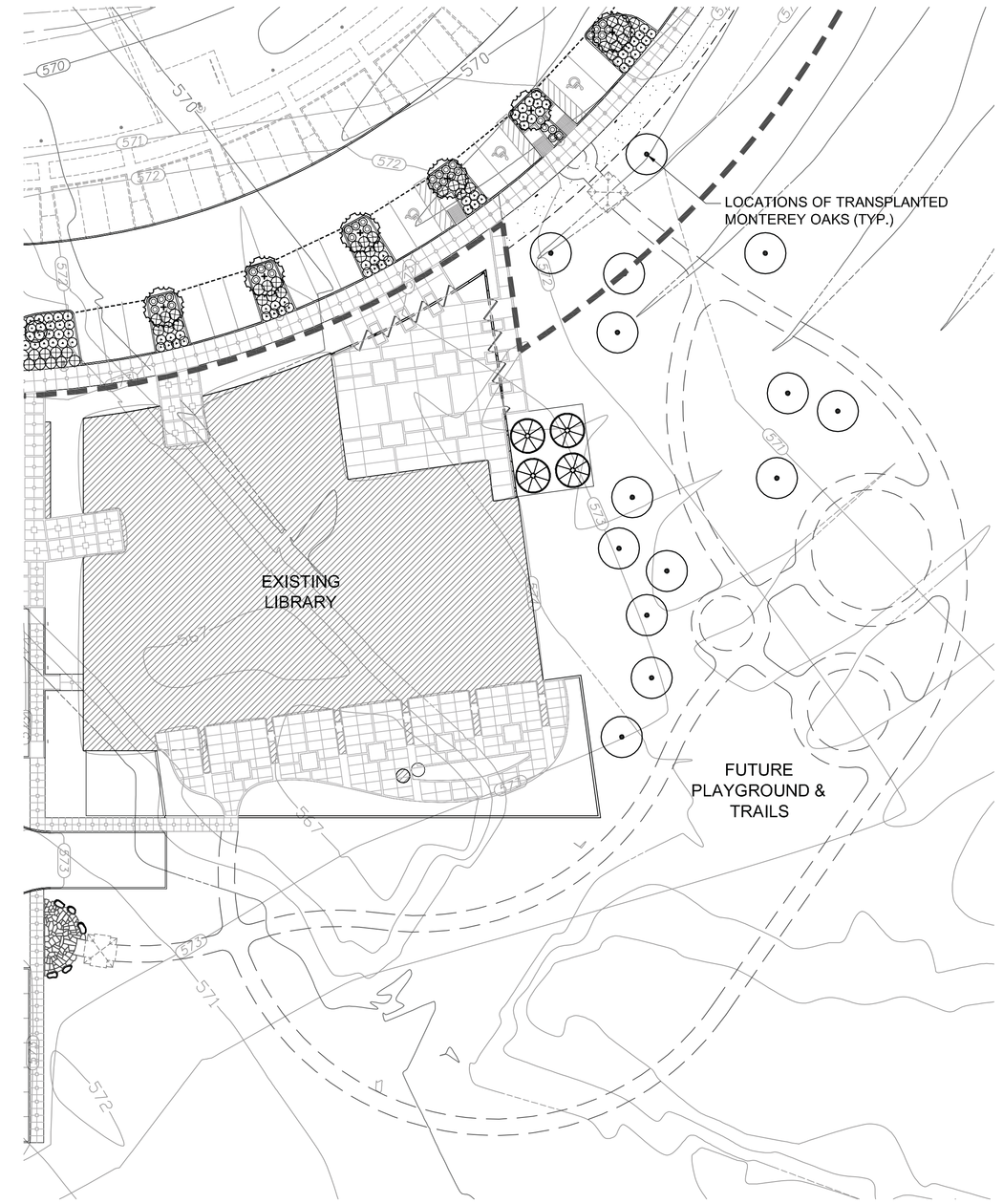
Sheet Number
C-104



1 LANDSCAPE PLAN

1" = 30'-0"

North 15 0 30 60 Feet



2 TREE TRANSPLANT PLAN

1" = 30'-0"

North 15 0 30 60 Feet

ADDITIONAL TREE TRANSPLANTING WORK AT MISSION LIBRARY SITE:

CONTRACTOR SHALL TRANSPLANT (2) 3" CAL. CEDAR ELMS & (2) 3" CAL. LACEY OAKS (VERIFY EXACT TREES WITH LANDSCAPE ARCHITECT) LOCATED SOUTH OF THE LIBRARY ENTRY DRIVE THAT ARE UNDER THE OVERHEAD ELECTRIC LINE SERVING THE LIBRARY. THE TWO LACEY OAKS ARE ALONG THE MARGIN OF ROOSEVELT AND THE TWO CEDAR ELMS ARE AT THE EDGE OF THE PARKING LOT. THESE TREES SHALL BE MOVED APPROXIMATELY 20' FROM THEIR CURRENT LOCATIONS TO A NEWLY DUG PIT (LOCATIONS SHALL BE STAKED IN THE FIELD BY THE LANDSCAPE ARCHITECT). EXISTING IRRIGATION BUBBLERS SHALL BE ADJUSTED TO SERVE THE TREES AT THEIR NEW LOCATION.

PLANTING IRRIGATION:

1. ALL NEW TREES SHALL BE IRRIGATED WITH 20 GAL. TREE WATERING BAGS. WATERING BAGS SHALL BE THE TREEGATOR ORIGINAL BY SPECTRUM PRODUCTS, INC.
2. CONTRACTOR SHALL TEMPORARILY IRRIGATE ALL SHRUBS AND NEW GRASS UNTIL PLANTS ARE ESTABLISHED.
3. CONTRACTOR SHALL INSTALL ALL IRRIGATION SLEEVES FOR FUTURE IRRIGATION. INSTALL (1) 6" DIA. SCHEDULE 40 PVC PIPE AND (1) 4" DIA. SCHEDULE 40 PVC PIPE AT LOCATIONS SHOWN ON PLAN.

LEGEND:

-------- IRRIGATION SLEEVES FOR FUTURE IRRIGATION. INSTALL (1) 6" DIA. SCHEDULE 40 PVC PIPE AND (1) 4" DIA. SCHEDULE 40 PVC PIPE AT LOCATIONS SHOWN ON PLAN.

NOTES:

1. REFER TO CIVIL PLANS FOR GRADING, DRAINAGE, AND UTILITIES INFORMATION.
2. ALL SITE AREAS DISTURBED BY CONSTRUCTION SHALL BE GRASS HYDROMULCHED UNLESS CALLED OUT AS SOD.
3. REFER TO MEP PLANS FOR SITE LIGHTING INFORMATION.
4. REFER TO THE SPECIFICATIONS FOR TREE TRANSPLANTING GUIDELINES.
5. ALL EXISTING IRRIGATION ALONG THE LOOP ROAD MUST BE CAPPED WHERE NECESSARY AND REPAIRED/RESTORED AS NECESSARY SO THAT THE MISSION LIBRARY IRRIGATION IS IN FUNCTIONING CONDITION.

WARNING!
ALL CONTRACTORS MUST KNOW EXACT LOCATION OF, AND AVOID, ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. CALL 1-800-DIG-TESS AT LEAST 72 HOURS PRIOR.

STOP!
CALL BEFORE YOU DIG
DIG TESS
1-800-DIG-TESS
(at least 72 hours prior to digging)

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

BENDER WELLS CLARK DESIGN
830 NORTH ALAMO STREET
SAN ANTONIO, TX 78215
210-692-6221 FAX: 210-223-8582

08-26-2011

City of San Antonio
Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	PROJECT NAME CHANGE	08-17-11
2	ADDENDUM NO. 3	08-19-11
3	ADDENDUM NO. 4	08-26-11

Sheet Title
LOOP ROAD LANDSCAPE PLAN

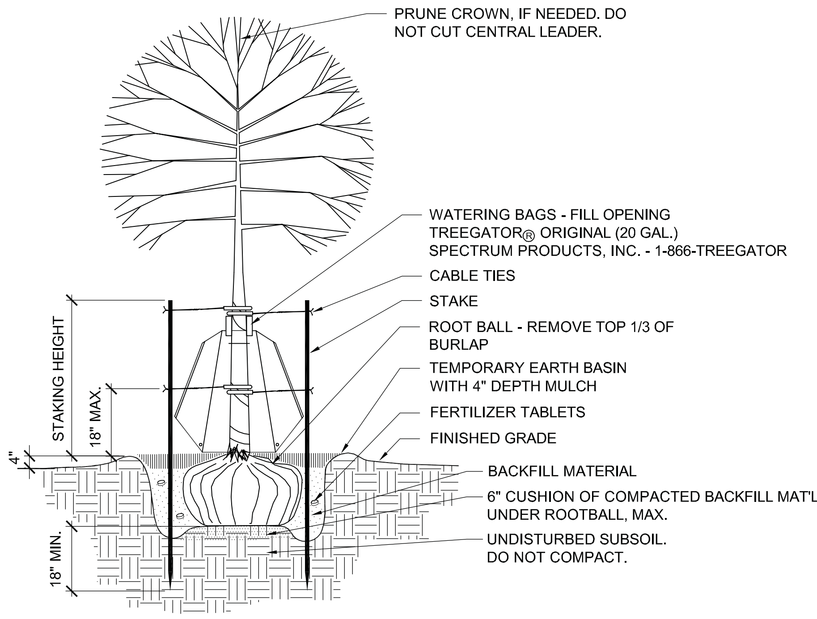
Date
AUGUST 12, 2011

Project Number **R11032.00**
Drawn By **-**

Sheet Number
L-100

PLANT LEGEND

KEY	QTY.	COMMON NAME	BOTANICAL NAME	SIZE/REMARKS
CANOPY TREE				
CE	19	Cedar Elm	Ulmus crassifolia	Container Grown, Matched Specimen, 3" cal., 12 - 14' ht., 4 - 5' spread
ML	4	Mountain Laurel	Sephora secundiflora	Container Grown, multi-trunk, 5 - 6' ht., 3 - 4' spread
SHRUBS, GROUNDCOVER, ORNAMENTAL GRASSES				
LAN	21	Lantana 'New Gold'	Lantana camara 'New Gold'	1 Gal., Container Grown, 36" o.c. max.
SGR	161	Autumn Sage	Salvia greggii 'Red'	3 Gal., Container Grown, 42" o.c. max.
MLC	146	Gulf Muhly	Muhlenbergia capillaris	1 Gal., Container Grown, 48" o.c. max.
SKP	90	Pink Skullcap	Scutellaria suffrutescens	1 Gal., Container Grown, 36" o.c. max.
GRASS				
GRASS	-	Bermuda Grass	Cynodon dactylon 'Tifway 419'	Sod - Refer to plan for locations.
		Common Bermuda Grass	Cynodon dactylon	Hydromulch - All site areas disturbed by construction.

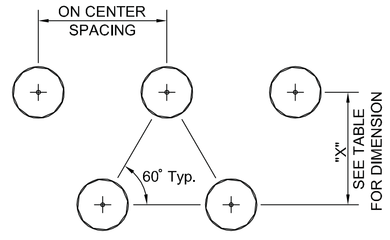


NOTES:

1. PIT SIZE: WIDTH TO BE A MINIMUM OF TWICE AS WIDE AS ROOT BALL, SQUARED CORNERS, TYPICAL. DEPTH OF PIT TO BE EQUAL TO ROOTBALL DEPTH, PLUS 6", TYP.
2. PLANTING DEPTH: TOP OF ROOT BALL - ONE INCH ABOVE FINISHED GRADE.
3. BACKFILL MATERIAL: 6 PARTS APPROVED TOPSOIL, 2 PARTS COMPOSTED PINE BARK MULCH & 1 PART SHARP RED SAND. SOAK TO REDUCE SETTLING.
4. PLANTING TABLETS: 21 GRAM AGRIFORM TABLETS (20-10-5). USE 3 FOR 5 GAL. SIZE, 6 FOR 15 GAL. SIZE, 12 FOR 24" BOX SIZE.
5. EARTH BASIN: 12" DIAMETER LARGER THAN ROOT BALL.
6. MULCH: APPROVED UNTREATED 90% MIN. BARK BASE PRODUCT, SEE SPEC.
7. ROOT STIMULATOR: GREENLITE ROOT STIMULATOR OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS (3 TIMES @ 2 WEEK INTERVALS)
8. STAKES: STRAIGHT 2X2 SYP TREATED WITH LP 22, 8' LENGTH, TAPER POINT.
9. STAKING HEIGHT: SUFFICIENT TO SUPPORT TRUNK IN VERTICAL, UNBENDING POSITION WHEN SECURED WITH CABLE TIES, 2' TO 3' ABOVE GRADE, TYPICAL.
10. CABLE TIES: 12 GAUGE GALV. WIRE THROUGH PROTECTIVE SLEEVE OF 8" LONG SECTION OF HOSE PLACED AROUND TREE TRUNK. ALLOW 1" PLAY IN CABLE. DO NOT GIRDLE TREE WITH CABLE.
11. STAKING MAY NOT BE REQUIRED ON ALL TREES AS DETERMINED BY LANDSCAPE ARCHITECT. "DUCKBILL" TREE ANCHORS MAY BE USED AS AN ALTERNATE IF APPROVED BY THE LANDSCAPE ARCHITECT.

1 TREE PLANTING

NONE

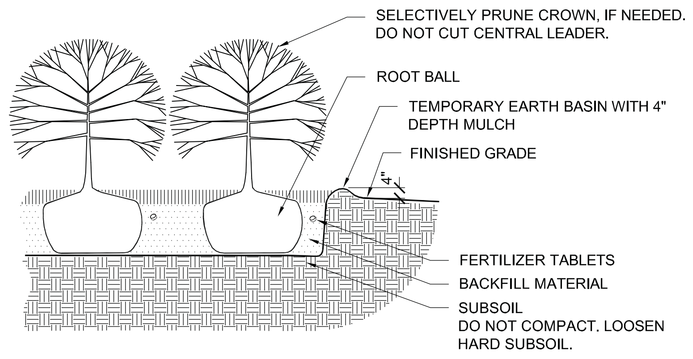


NOTE: DIMENSIONS TYPICAL. SEE PLANT LIST FOR SPACING OF INDIVIDUAL MATERIALS.

ON CENTER SPACING (IN.)	"X"
4"	3 1/2"
6"	5"
9"	8"
12"	10 1/2"
15"	13"
18"	15 1/2"
21"	18"
24"	21"
30"	26"
36"	31"
42"	36 1/2"

2 SHRUB PLANT SPACING

NONE



NOTES:

1. PIT SIZE: EXTEND TO TWICE WIDTH OF ROOTBALL AT OUTSIDE EDGE PLANTINGS.
2. PLANTING DEPTH: TOP OF ROOT BALL - TWO INCHES ABOVE FINISHED GRADE.
3. BACKFILL MATERIAL: 3 PARTS APPROVED TOPSOIL, 2 PARTS COMPOSTED PINE BARK MULCH AND 1 PART APPROVED SHARP RED SAND. TAMP LIGHTLY TO REDUCE SETTLING.
4. PLANTING TABLETS: 21 GRAM AGRIFORM TABLETS (20-10-5), OR APPROVED EQUAL. USE 1 FOR 1 GAL. SIZE, 3 FOR 5 GAL. SIZE, 6 FOR 15 GAL. SIZE
5. EARTH BASIN: 12" DIAMETER LARGER THAN ROOT BALL AT OUTSIDE EDGE OF PLANTING AREA
6. MULCH: APPROVED UNTREATED 90% MIN. BARK BASE PRODUCT, SEE SPEC.
7. ROOT STIMULATOR: GREENLITE ROOT STIMULATOR, OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS (3 TIMES AT 2 WEEK INTERVALS).

3 SHRUB PLANTING

NONE

GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO CIVIL PLANS FOR ALL GRADING AND UTILITIES INFORMATION.
2. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS SHOWN ON PLAN. SHOULD A CONFLICT RESULT, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT BEFORE ANY WORK COMMENCES.
3. ALL DISTURBED AREAS OUTSIDE OF PROJECT LIMITS CAUSED BY CONSTRUCTION SHALL BE GRASS HYDROMULCHED.
4. PLANTING
   - A. ALL PLANT QUANTITIES SHOWN ON PLANS ARE TO BE VERIFIED BY THE LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL LABELED PLANT MATERIAL. PLANT QUANTITIES ON THE PLAN TAKE PRECEDENCE OVER QUANTITIES IN THE PLANT SCHEDULE. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
   - B. LANDSCAPE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE PLANS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR THE REQUIREMENTS DICTATED THEREIN.
   - C. LANDSCAPE CONTRACTOR AND SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE LOCATION OF ALL UNDERGROUND UTILITIES AND EASEMENTS PRIOR TO STARTING WORK. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES AND CONTACT THE PROJECT ARCHITECT AND LANDSCAPE ARCHITECT FOR FURTHER DIRECTION.
   - D. ALL PLANTS MUST COMPLY WITH THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
   - E. NO PLANT SHALL BE PUT IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
   - F. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE IN THE CONTAINER OR BEFORE DIGGING.
   - G. ALL PLANTS SHALL BE CONTAINER GROWN, UNLESS OTHERWISE NOTED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIALS, CONTAINERS, ETC. MADE OF SYNTHETIC MATERIALS OR PLASTICS SHALL BE REMOVED ENTIRELY AT THE TIME OF PLANTING.
   - H. ALL CONTAINER GROWN STOCK SHALL BE REMOVED AND THE BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
   - I. PRIOR TO PLANTING, THE LOCATION OF ALL TREES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE LANDSCAPE ARCHITECT, OR HIS REPRESENTATIVE. THE LOCATIONS OF SHRUB MASSES SHALL BE LIKEWISE MARKED IN THE FIELD FOR APPROVAL.
   - J. ALL PLANT MATERIALS SHALL BE SELECTED AT THE NURSERIES BY THE LANDSCAPE ARCHITECT, OR HIS REPRESENTATIVE, AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL UPON DELIVERY AT THE PROJECT SITE. SUCH APPROVAL DOES NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION DURING THE PROCESS OF THE WORK.
   - K. ALL PLANTS SHALL BE INSTALLED PER DETAILS AND THE CONTRACT SPECIFICATIONS.
   - L. ALL PLANTS ARE TO BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOURS AFTER PLANTING.
   - M. ALL FINAL GRADING, RAKING AND SHAPING OF THE TOPSOIL, AND BACKFILL OF CURBS AND EDGING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THE APPLICATION OF HYDROSEED OR THE INSTALLATION OF PLANTING.
   - N. THE LANDSCAPE CONTRACTOR SHALL PROVIDE APPROVED TOPSOIL, BACKFILL MATERIAL, MULCH, SOIL CONDITIONERS AND OTHER AMENDMENTS AS PER THE CONTRACT SPECIFICATIONS.
   - O. ALL TOPSOIL, WHETHER NATIVE TO THE SITE OR BROUGHT TO THE SITE, SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS, WITH RESPECT TO CHEMISTRY AND TEXTURE, PRIOR TO PLACEMENT.
   - P. TOPSOIL SHALL BE PLACED AT A MINIMUM DEPTH OF 4" AT LAWN AREAS AND AT A MINIMUM DEPTH OF 8" IN MASS PLANTED SHRUB AREAS AND CONDITIONED AS DESCRIBED IN THE SPECIFICATIONS. ANY BACKFILL MATERIAL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT EXCESSIVE SETTLING THAT MAY AFFECT FINISHED GRADE OR DRAINAGE.
   - Q. ALL TOPSOIL FOR TURF SHALL BE RAKED SMOOTH TO GRADE AND RESULT IN A FINISHED GRADE SET AT 1 1/2" BELOW ADJACENT CURB, SIDEWALK OR EDGING AFTER SEEDING. ALL TOPSOIL PLANTING BEDS SHALL BE RAKED SMOOTH AND RESULT IN A FINISHED GRADE SET AT 1 1/2" BELOW ADJACENT CURB, SIDEWALKS, OR EDGING AFTER MULCHING. FINAL GRADES SHALL NOT VARY MORE THAN 1/10 FOOT FROM FINISH ELEVATIONS.
   - R. AREAS TO BE SEEDED SHALL BE LOOSENED AND FINE RAKED TO BREAK UP LUMPS AND PRODUCE A SMOOTH EVEN GRADE, FREE FROM UNSIGHTLY VARIATIONS, RIDGES, OR DEPRESSIONS. STONES ONE INCH (1") OR LARGER, STICKS, ROOTS, OR OTHER DEBRIS WHICH MIGHT INTERFERE WITH THE FORMATION OF A FINELY PULVERIZED SEED BED AND EXPOSED DURING THIS OPERATION SHALL BE REMOVED FROM THE SITE. FINE GRADING SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. AREA SHOWING WEED GROWTH SHALL BE SPRAYED WITH APPROVED POST-EMERGENT SPRAY, MOWED, AND CLIPPINGS REMOVED FROM LAWN AREAS PRIOR TO FINAL GRADING.
   - S. ALL BEDS ARE TO BE MULCHED TO A MINIMUM DEPTH OF 4" WITH AN APPROVED MULCH MATERIAL AS SPECIFIED. A SAMPLE OF THE MULCH SHALL BE DELIVERED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO DELIVERY AND INSTALLATION.
   - T. SPREAD APPROVED MULCH UNIFORMLY OVER BEDS, USING CARE NOT TO DAMAGE PLANTS. AFTER PLACEMENT OF MULCH, FINISHED GRADE IN THE BED SHOULD BE A MINIMUM OF TWO INCHES BELOW EDGE OF CURB, PLANTER, OR WALK, UNLESS OTHERWISE SPECIFIED.
   - U. THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE A SEPARATE SET OF PRINTS OF THE PROJECT FOR THE PURPOSE OF RECORDING "AS-BUILT" CHANGES AND DIAGRAMS OF THOSE PARTS OF THE WORK WHERE ACTUAL CONSTRUCTION DIFFERS FROM PLANS OR APPROVED SHOP DRAWINGS.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

BENDER WELLS CLARK DESIGN
830 NORTH ALAMO STREET
SAN ANTONIO, TX 78215
210-692-6221 FAX: 210-223-8582

08-26-2011

City of San Antonio
Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	ADDENDUM NO. 1	08-17-11
2	ADDENDUM NO. 3	08-19-11
3	ADDENDUM NO. 4	08-26-11

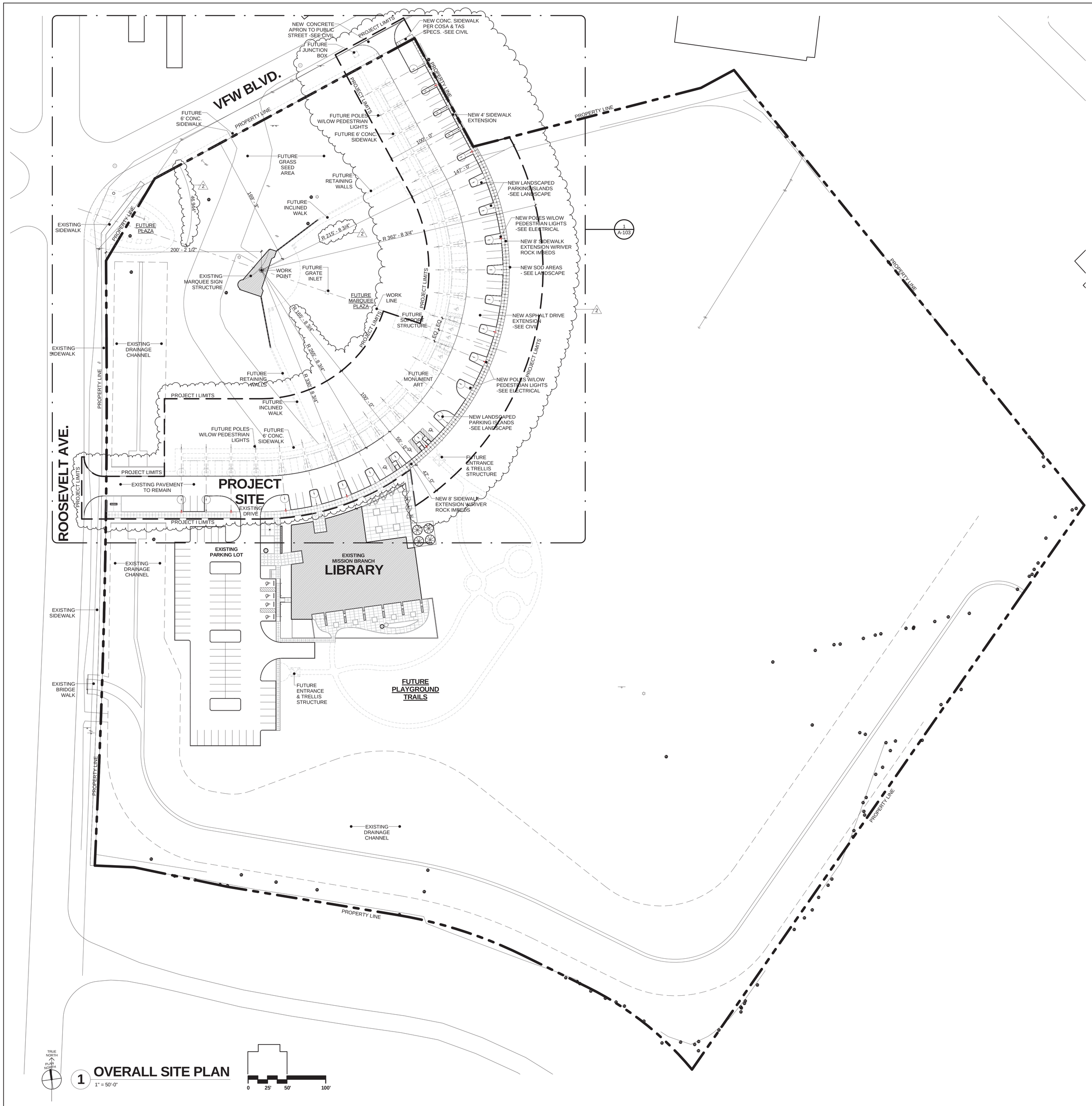
Sheet Title
LOOP ROAD LANDSCAPE LEGEND & NOTES

Date
AUGUST 12, 2011

Project Number
R11032.00

Drawn By
-

Sheet Number
L-101



1 **OVERALL SITE PLAN**
1" = 50'-0"

SITE GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS AND SITE DIMENSIONS.
2. REFER TO CIVIL DRAWINGS FOR NEW GRADING AND SPOT ELEVATIONS.
3. REFER TO CIVIL DRAWINGS FOR NEW PAVING INFORMATION.
4. REFER TO CIVIL FOR CONCRETE CURB INFORMATION.
5. REFER TO CIVIL FOR NEW COSA STANDARD CONCRETE SIDEWALKS AND RAMPS FRONTING VFW BOULEVARD AND TO SHEET A-106 FOR TYP. CONCRETE SIDEWALK DTLS.
6. REFER TO MEP & CIVIL FOR NEW SITE UTILITIES.
7. REFER TO LANDSCAPE DRAWINGS FOR NEW LANDSCAPE AND NEW IRRIGATION.
8. REFER TO ELECTRICAL FOR SITE LIGHTING INFORMATION.
9. REFER TO STRUCTURAL FOR LIGHT POLE CONCRETE BASE INFORMATION.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

REGISTERED ARCHITECT JACOB EDWARDS 18803 STATE OF TEXAS
08. 17. 11

CITY OF SAN ANTONIO

City of San Antonio
Mission Loop Road Extension

Revisions

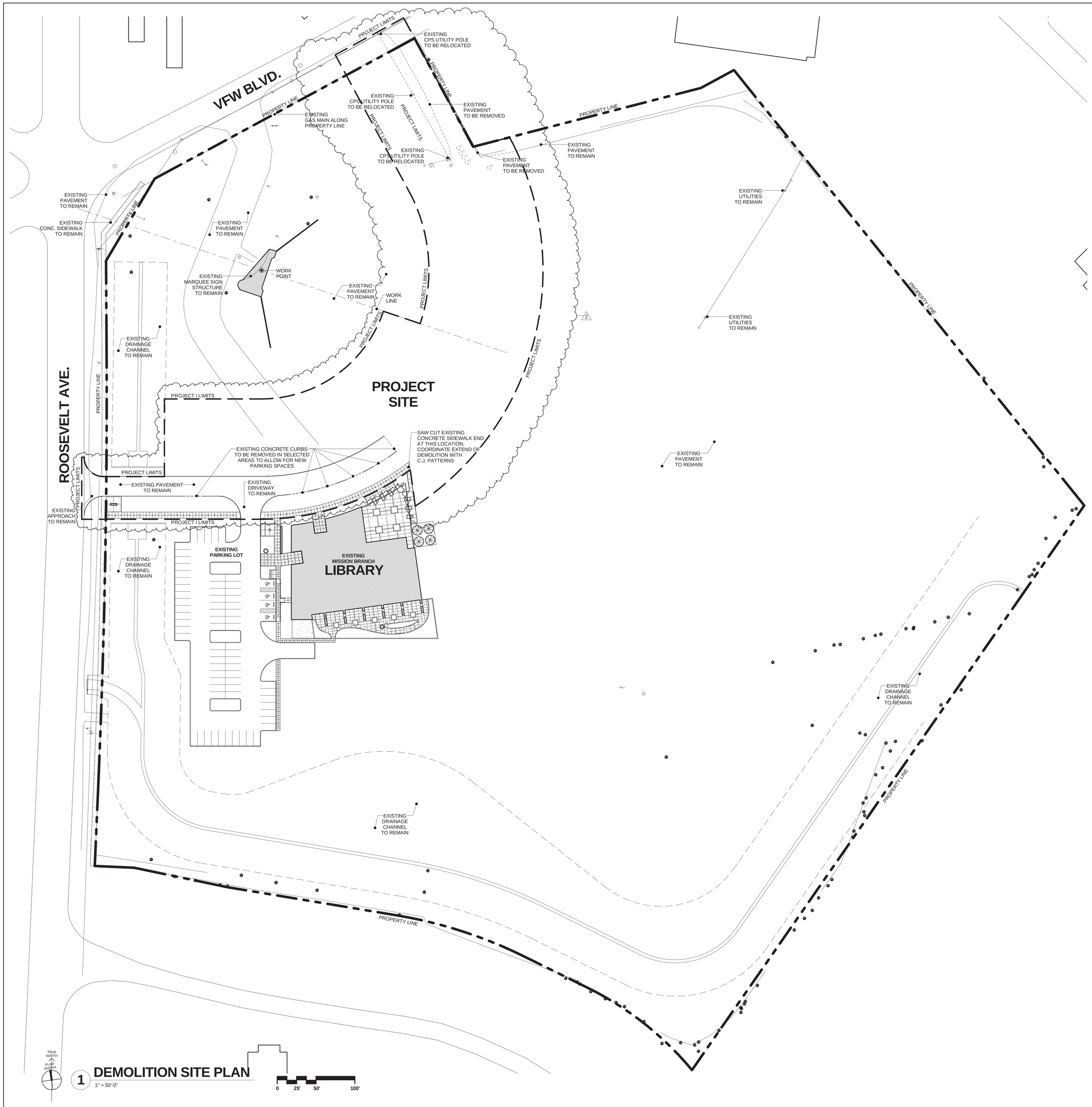
#	DESCRIPTION	DATE
1	ADDENDUM 1- "Mission Loop Road Extension"	08.17.11
2	ADDENDUM 4	08.26.11

Sheet Title
OVERALL SITE PLAN

Date
AUGUST 12, 2011

Project Number **R11032.00**
Drawn By **VC**

Sheet Number
A-101



1 DEMOLITION SITE PLAN
1" = 50'-0"

DEMOLITION NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AND EXISTING CONDITIONS.
2. CONTRACTOR TO FIELD VERIFY EXTENT OF DEMOLITION, PATCHING AND REPAIRING IN DRAWINGS HEREIN.
3. ALL EXISTING TREES TO REMAIN UNLESS NOTED OTHERWISE. SEE LANDSCAPE.
4. ALL TREES DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
5. REFER TO CIVIL FOR CONTROL POINT INFORMATION.
6. ARCHAEOLOGY NOTE: IF A PREVIOUSLY UNIDENTIFIED SITE IS ENCOUNTERED DURING CONSTRUCTION WORK, ACTIVITIES MUST IMMEDIATELY STOP IN THE VICINITY AND CONTACT THE HPO/CITY ARCHAEOLOGIST, KAY HINDES (210/207-7306 WHO WILL NOTIFY THE SHPO.
7. CONTRACTOR TO COORDINATE RELOCATION OF CPS UTILITY POLES WITH CPS. COORDINATION AND RELOCATION COSTS TO BE ADDED TO BID AS REIMBURSABLE SUM.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

REGISTERED ARCHITECT JACOB EDWARDS 18803 STATE OF TEXAS
08. 17. 11

CITY OF SAN ANTONIO

City of San Antonio
Mission Loop Road Extension

Revisions

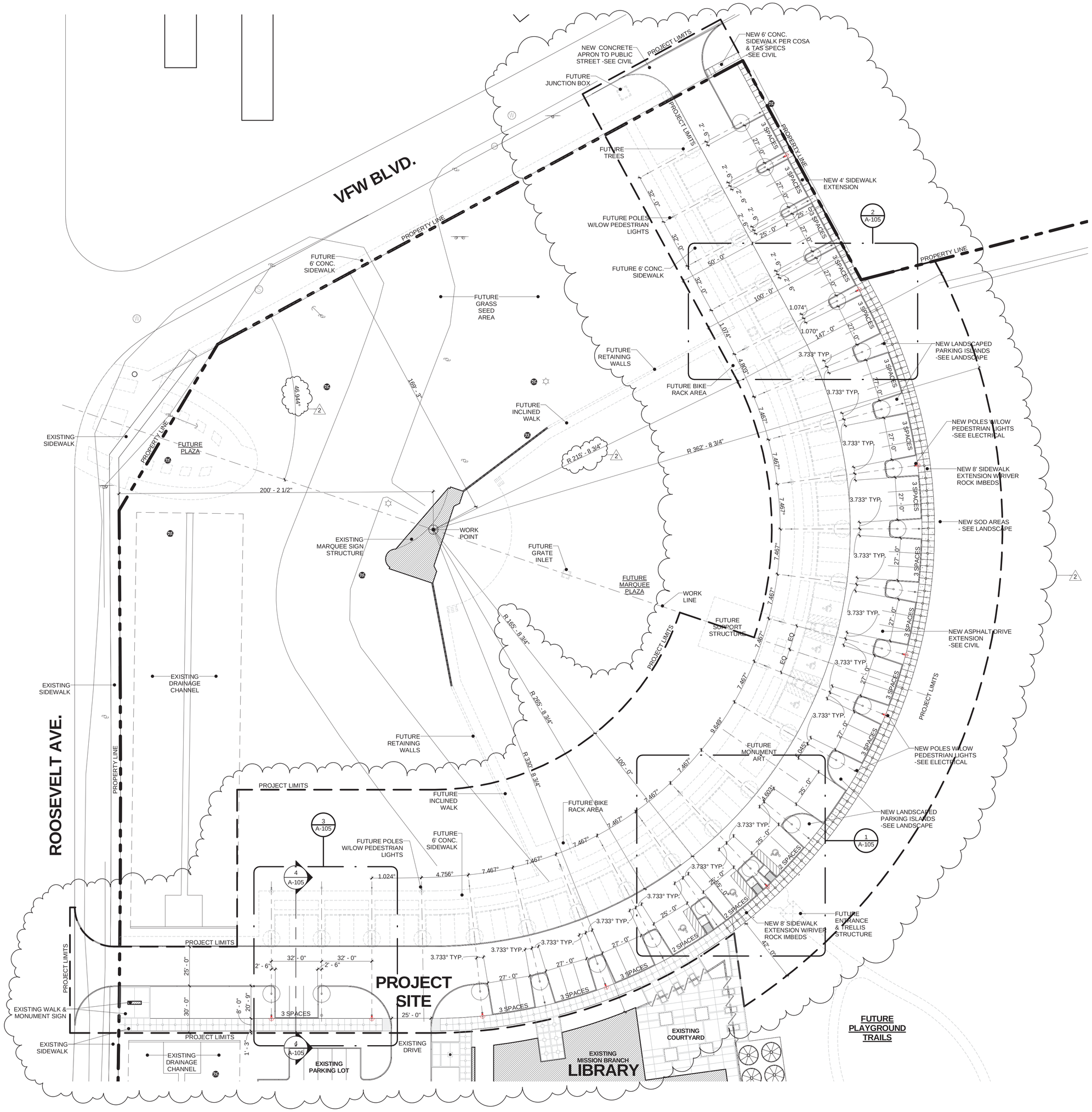
#	DESCRIPTION	DATE
1	ADDENDUM 1- "Mission Loop Road Extension"	08.17.11
2	ADDENDUM 4	08.26.11

Sheet Title
DEMOLITION SITE PLAN

Date
AUGUST 12, 2011

Project Number **R11032.00**
Drawn By **VC**

Sheet Number
A-102



1 **MISSION LOOP ROAD PLAN**
1" = 30'-0"
0 15' 30' 60'

SITE GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS AND SITE DIMENSIONS.
2. REFER TO CIVIL DRAWINGS FOR NEW GRADING AND SPOT ELEVATIONS.
3. REFER TO CIVIL DRAWINGS FOR NEW PAVING INFORMATION.
4. REFER TO CIVIL FOR CONCRETE CURB INFORMATION.
5. REFER TO CIVIL FOR NEW COSA STANDARD CONCRETE SIDEWALKS AND RAMPS FRONTING VFW BOULEVARD AND TO SHEET A-106 FOR TYP. CONCRETE SIDEWALK DTLS.
6. REFER TO MEP & CIVIL FOR NEW SITE UTILITIES.
7. REFER TO LANDSCAPE DRAWINGS FOR NEW LANDSCAPE AND NEW IRRIGATION.
8. REFER TO ELECTRICAL FOR SITE LIGHTING INFORMATION.
9. REFER TO STRUCTURAL FOR LIGHT POLE CONCRETE BASE INFORMATION.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

REGISTERED ARCHITECT JACOB EDWARDS 18803 STATE OF TEXAS
08. 17. 11

CITY OF SAN ANTONIO

City of San Antonio
Mission Loop Road Extension

Revisions

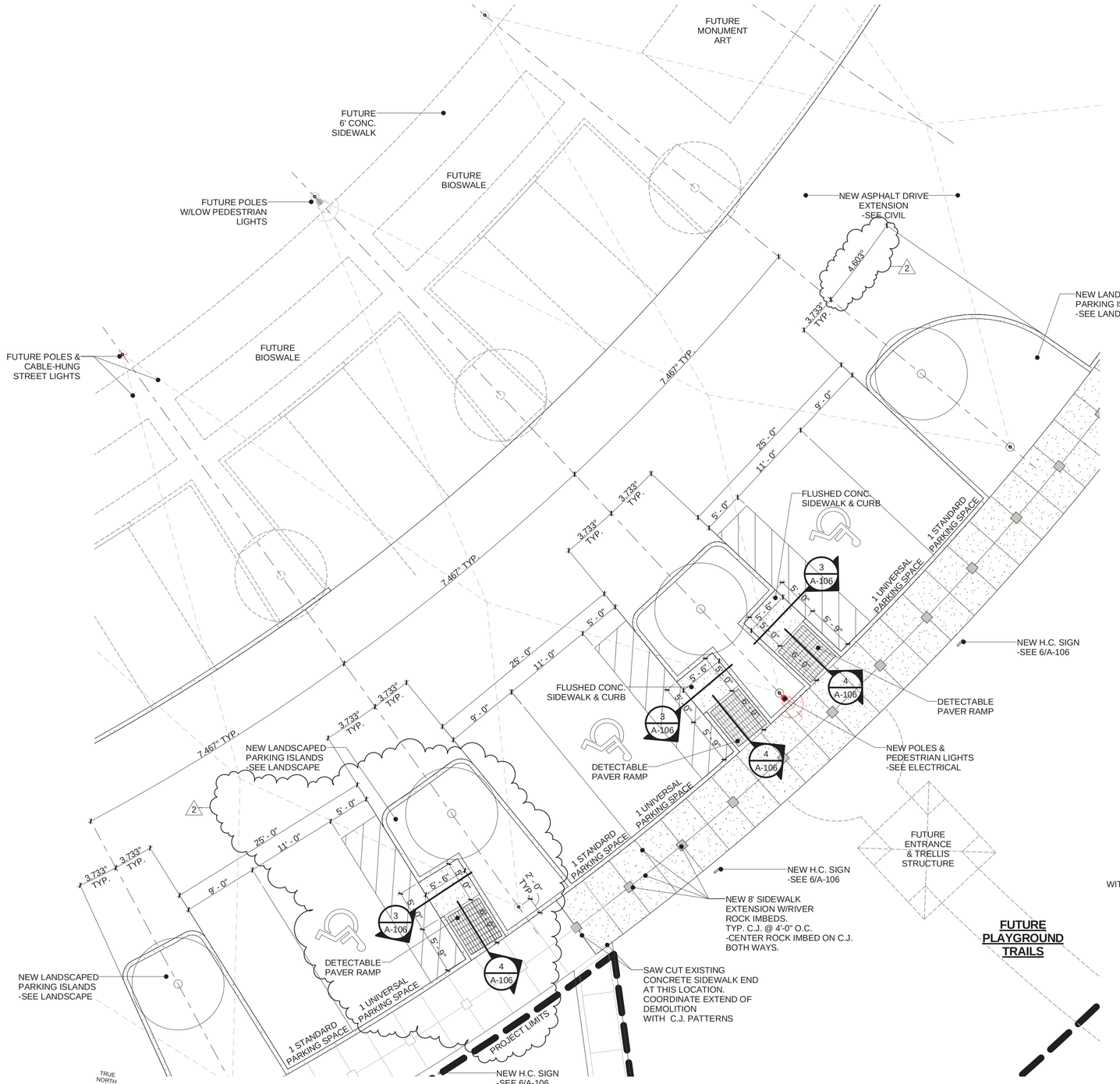
#	DESCRIPTION	DATE
1	ADDENDUM 1- "Mission Loop Road Extension"	08.17.11
2	ADDENDUM 4	08.26.11

Sheet Title
MISSION LOOP ROAD PLAN

Date
AUGUST 12, 2011

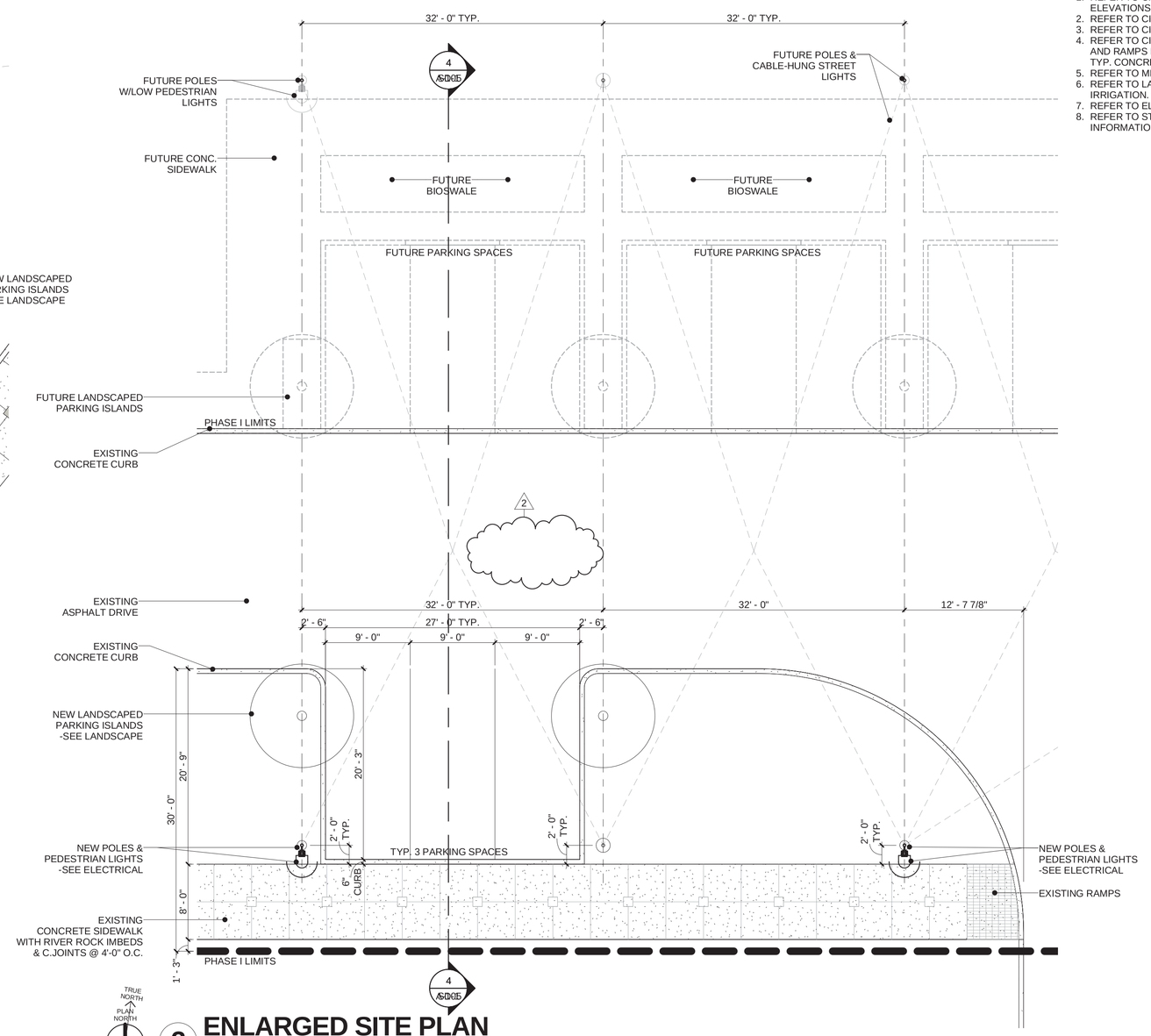
Project Number **R11032.00**
Drawn By **VC**

Sheet Number
A-103



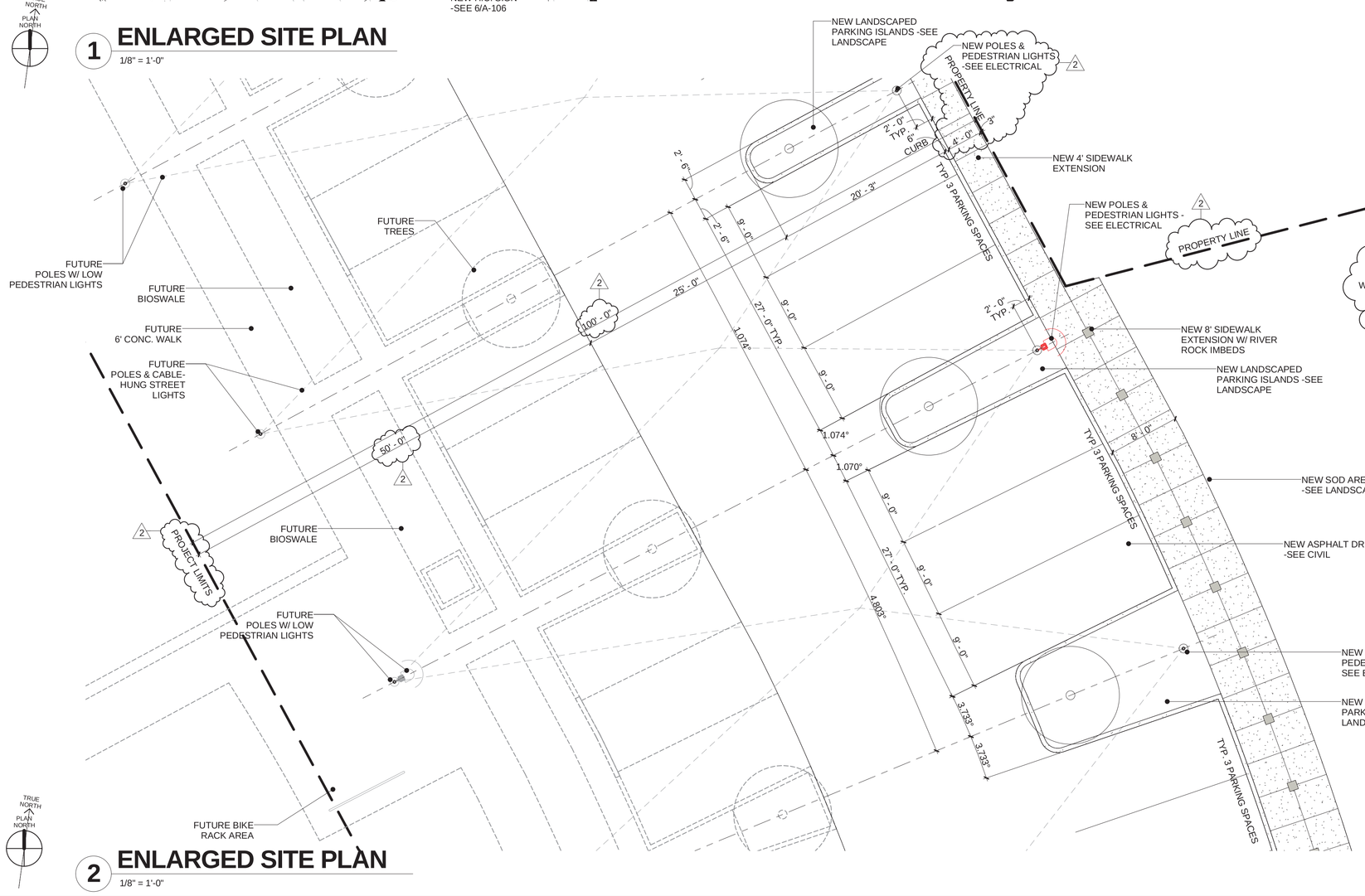
1 ENLARGED SITE PLAN

1/8" = 1'-0"



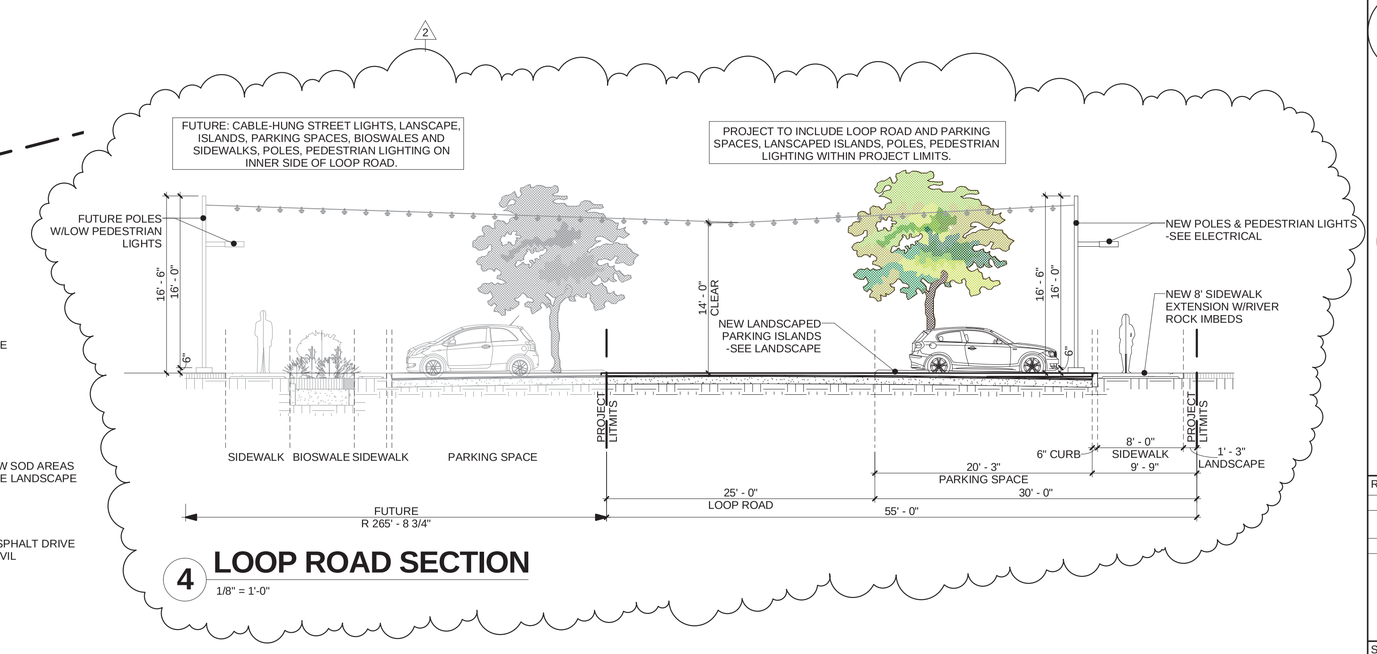
3 ENLARGED SITE PLAN

1/8" = 1'-0"



2 ENLARGED SITE PLAN

1/8" = 1'-0"



4 LOOP ROAD SECTION

1/8" = 1'-0"

SITE GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR NEW GRADING AND SPOT ELEVATIONS.
2. REFER TO CIVIL DRAWINGS FOR NEW PAVING INFORMATION.
3. REFER TO CIVIL FOR CONCRETE CURB INFORMATION.
4. REFER TO CIVIL FOR NEW COSA STANDARD CONCRETE SIDEWALKS AND RAMPS FRONTING VFW BOULEVARD AND TO SHEET A-106 FOR TYP. CONCRETE SIDEWALK DTLS.
5. REFER TO MEP & CIVIL FOR NEW SITE UTILITIES.
6. REFER TO LANDSCAPE DRAWINGS FOR NEW LANDSCAPE AND NEW IRRIGATION.
7. REFER TO ELECTRICAL FOR SITE LIGHTING INFORMATION.
8. REFER TO STRUCTURAL FOR LIGHT POLE CONCRETE BASE INFORMATION.

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

REGISTERED ARCHITECT GEORGE EDWARDS 18803 STATE OF TEXAS

08. 17. 11

City of San Antonio

Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	ADDENDUM 1- "Mission Loop Road Extension"	08.17.11
2	ADDENDUM 4	08.26.11

Sheet Title
ENLARGED SITE PLANS

Date
AUGUST 12, 2011

Project Number
R11032.00

Drawn By
VC

Sheet Number
A-105

GENERAL NOTES:

1. THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2009 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF SAN ANTONIO.
2. GRAVITY DESIGN LIVE LOADS USED ARE AS FOLLOWS:

WIND LOADS:	IBC
BASIC WIND SPEED (3 SECOND GUST):	90 MPH
EXPOSURE CLASIFICATION:	B
WIND IMPORTANCE FACTOR:	1.0
GROUND SNOW LOAD:	5 PSF
SEISMIC LOAD CRITERIA:	MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION: 0.1g
SITE CLASS:	D

3. FOUNDATION FOOTINGS WERE DESIGNED FOLLOWING RECOMMENDATIONS FOUND IN ARIAS & ASSOCIATES STUDY, PROJECT NO. 08-2298, DATED MARCH 2, 2008.
4. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND FABRICATOR SHALL VERIFY ALL QUANTITIES, DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT/ ENGINEER OF ANY DISCREPANCIES BEFORE PRECEEDING WITH THE WORK.
5. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUB-CONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY AND ALL EXPENSES, REAL OF IMPLIED ARISING FROM SUCH ACCEPTANCE. THE CONTRACTOR SHALL MAINTAIN THESE DRAWINGS AT A CURRENT STATUS, INCLUDING ALL ADDENDA AND REVISIONS.
6. THE STRUCTURAL ENGINEER OF RECORD ("SER") SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FOR THIS PART OF THE PROJECT. THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION. THE SER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S OR A SUBCONTRACTOR'S SCHEDULE OR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE SER SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, THEIR AGENTS OR EMPLOYEES OR OTHER PERSONS PERFORMING PORTIONS OF THE WORK.

CONCRETE/REINFORCING NOTES:

1. CONCRETE SHALL BE LABORATORY DESIGNED TO DEVELOP A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI FOR DRILLED PIERS. USE OF FLY ASH WILL BE PERMITTED UP 20% CEMENT REPLACEMENT BY WEIGHT.
2. CONCRETE MIX DESIGN SHALL MEET THE FOLLOWING REQUIREMENTS:

-CEMENT TYPE:	ASTM C150, TYPE I (5 SACKS MIN)
-FLY ASH:	ASTM C618, TYPE C OR F
-AGGREGATES:	ASTM C33
-SLUMP LIMITS:	NO LESS THAN 3", NOT MORE THAN 5"

GENERAL CONTRACTOR SHALL SUBMIT WRITTEN REPORT FOR THE PROPOSED MIX DESIGN AT LEAST 14 WORK DAYS PRIOR TO START OF CONCRETE WORK.

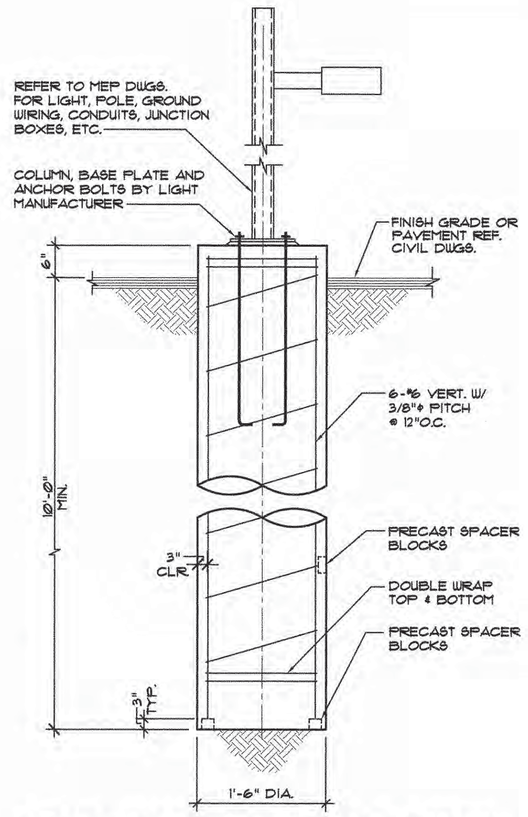
3. GENERAL CONTRACTOR IS TO EMPLOY A TESTING LABORATORY TO PERFORM SAMPLING TESTING DURING CONCRETE PLACEMENT AS FOLLOWS:

-AGGREGATES:	ASTM, C33, ONE TEST THE FIRST DAY
-COMPRESSIVE STRENGTH:	ASTM C39, ONE SET OF 5 CYLINDERS, FOR EACH 150 CUBIC YARDS OF CONCRETE. TWO CYLINDERS TESTED AT 7 DAYS, TWO TESTS AT 28 DAYS, REMAINING ONE TO BE TESTED AT 56 DAYS IF NECESSARY.
-SLUMP:	ASTM C143, AT LEAST TWO TEST SHALL BE MADE RANDOMLY DURING EACH DAY OF PLACEMENT.

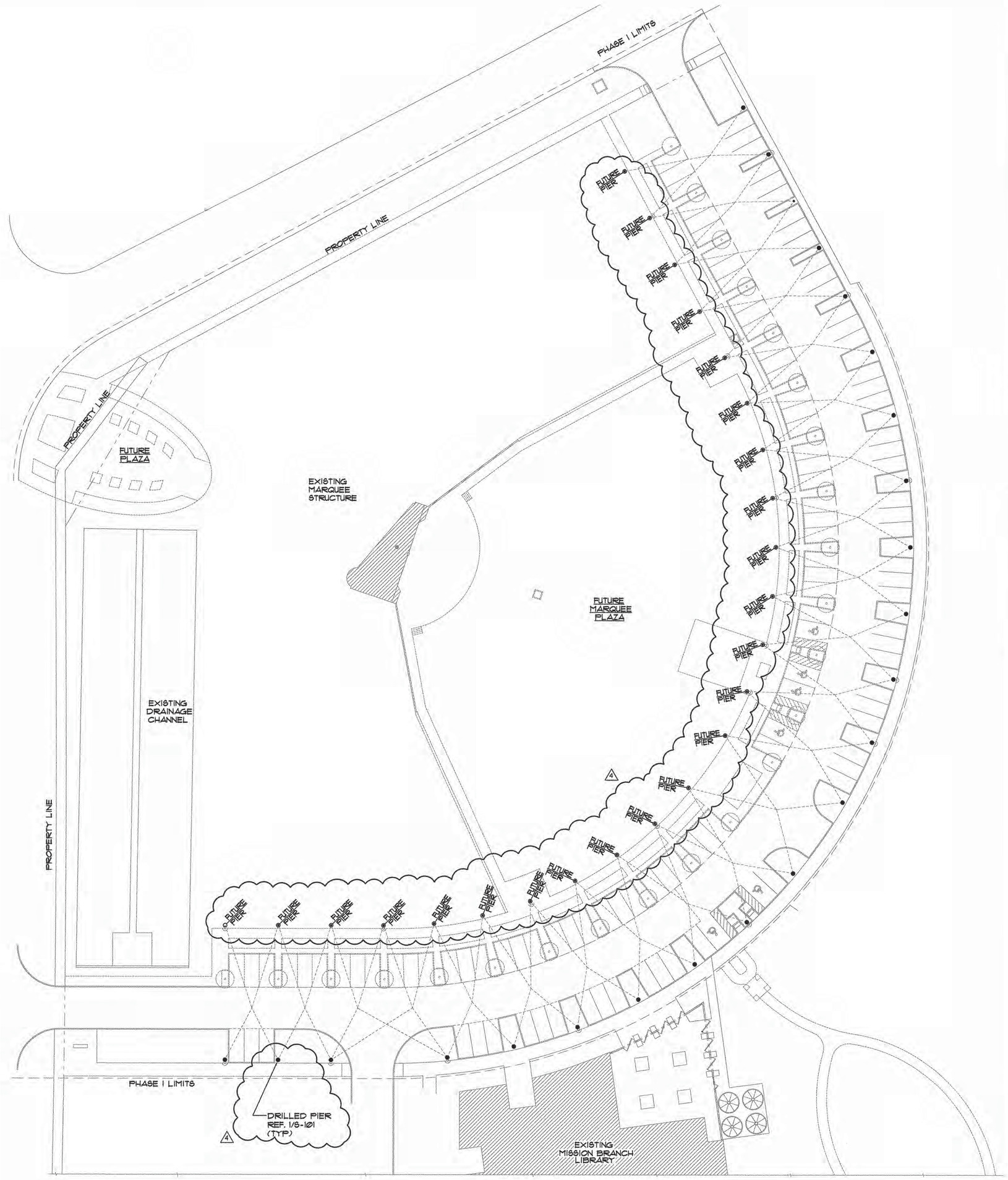
4. REINFORCING STEEL SHALL BE FROM DOMESTIC, NEW BILLET AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615. ALL REINFORCING STEEL SHALL BE GRADE 60. EXCEPT SPIRAL MAY BE GRADE 40.
5. ALL ITEMS EMBEDDED IN CONCRETE MUST BE TIED AND SECURED PRIOR TO PLACEMENT OF CONCRETE.
6. MECHANICAL VIBRATOR, HAND RODDING AND TAMPING MUST BE USED TO CONSOLIDATE CONCRETE AND TO INSURE THAT CONCRETE IS WORKED AROUND REINFORCEMENT, OTHER EMBEDDED ITEMS AND INTO FORMS.
7. ABSOLUTELY NO WELDING OF REINFORCEMENT BARS OR TORCHING TO BEND REINFORCEMENT BARS SHALL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
8. DETAILING OF REINFORCEMENT BARS AND ACCESSORIES SHALL BE IN ACCORDANCE WITH LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315). BAR SPLICES SHALL BE A LENGTH EQUAL TO A MINIMUM OF 55 BAR DIAMETERS.

DRILLED PIER NOTES:

1. CENTER CAGE IN HOLE WITH 3 CONC. SPACER BLOCKS EVERY 6 FT. SUPPORT CAGE ON 3 CONCRETE SEAT BLOCKS.
2. DO NOT RAISE CAGE OFF FOOTING BOTTOM.
3. EXTEND PIER SHAFTS & REINFORCING TO BEAM OR PLINTH SOFFIT USING FIBER FORM ABOVE WORKING GRADE. USE FIBER FORM TO AN ELEVATION 2'-0" BELOW WORKING GRADE AT TIME OF DRILLING REFER TO SPECS. FOR CONDITIONS REQUIRING ADDITIONAL FIBER FORM AND FOR CONSTRUCTION JOINT.
4. REFER TO GEOTECHNICAL REPORT FOR CASING PROCEDURE IF CASING IS REQUIRED.
5. PLACEMENT OF CONCRETE IN SHAFT SHALL BE THE SAME DAY OF DRILLING.
6. EACH FOOTING SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
7. CONTRACTOR SHALL PROVIDE CASING FOR PROPER INSTALLATION IF DETRIMENTAL DRILLING CONDITIONS ARE ENCOUNTERED.



1 TYPICAL LIGHT POLE DETAIL
SCALE : 3/4" = 1'-0" SECTOR



LIGHT POLE PLAN
SCALE : 1/32" = 1'-0" PLAN

KELL MUÑOZ
P.O. Box 90209 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

City of San Antonio
Mission Loop Road Extension

Revisions

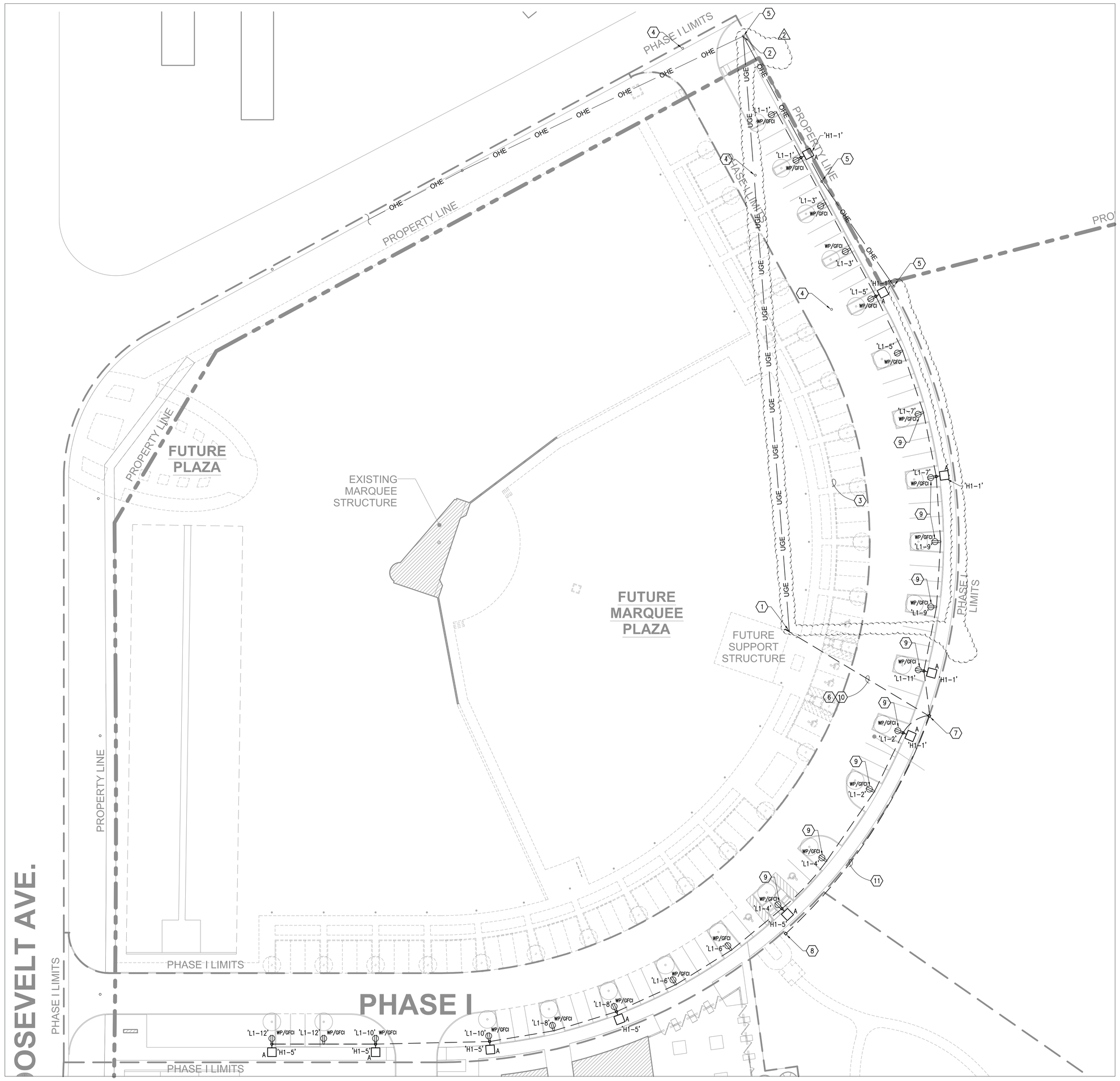
#	DESCRIPTION	DATE
1	PROJECT NAME CHANGE	8/18/2011
2	PIER CHANGE	8/26/2011

Sheet Title
PLAN/DETAIL/GENERAL NOTES

Date
AUGUST 12, 2011

Project Number **KMZ092-S**
Drawn By **MHG**
Sheet Number
S-101

AccuTech Consultants, LLC
STRUCTURAL & FORENSIC ENGINEERING
909 NORTHEAST LOOP 410, SUITE 900
SAN ANTONIO, TEXAS 78209
TEL. (210) 930-5355
FAX (210) 930-5460
STATE OF TEXAS ENRIQUE MARTINEZ 68166 REGISTERED PROFESSIONAL ENGINEER
FIRM REG. #F-000007



1 MARQUEE PLAZA & LOOP ROAD LIGHTING PLAN

1" = 30'-0"

0 15' 30' 60'

GENERAL NOTES: (THIS SHEET ONLY)

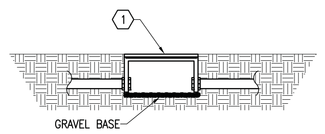
1. CONDUIT LINES SHOWN ON DRAWING ARE DIAGRAMMATIC. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND CHOOSE APPROPRIATE CONDUIT ROUTING. IN THE EVENT THAT APPROXIMATE CONDUIT ROUTING SHOWN ON PLANS IS NOT FEASIBLE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER.
2. LOCATIONS OF DEVICES ARE DIAGRAMMATICAL. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.
3. DRAWINGS SHOW GENERAL LOCATIONS OF LIGHTING FIXTURES ONLY. FOR EXACT LOCATIONS AND SPACING, SEE ARCHITECTURAL DRAWINGS. IF CONTRACTOR DETERMINES THAT THERE IS A DIFFERENCE IN QUANTITY OF FIXTURES SHOWN ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS, HE SHALL USE THE HIGHER NUMBER OF THE TWO QUANTITIES FOR BIDDING, THEN CONTACT THE DESIGN TEAM FOR FINAL RESOLUTION.
4. REFERENCE LIGHT FIXTURE SCHEDULE, SHEET E-201, FOR FIXTURE DESCRIPTIONS AND ADDITIONAL INFORMATION FOR LIGHTING SHOWN ON PLAN.
5. ALL EXTERIOR POLES ARE PROVIDED WITH A FACTORY PRE-WELDED SINGLE GANG RECESSED JUNCTION BOX FOR RECEPTACLE MOUNTING.
6. ALL EXTERIOR RECEPTACLES ARE TO BE GFCI AND PROVIDED WITH A CAST ALUMINUM WHILE-IN-USE COVER. PAINT TO MATCH POLE COLOR. THOMAS & BETTS MODEL NO. CSMGV OR APPROVED EQUAL. PROVIDE WITH HEAVY DUTY LOCKS AND ONE MASTER KEY FOR ALL LOCKS.
7. CONTRACTOR TO PROVIDE 3/4" CONDUIT WITH 1#10(H), 1#10(N) & 1#10GND FOR ALL PEDESTRIAN POLE MOUNTED LIGHTING UNLESS NOTED OTHERWISE.
8. CONTRACTOR TO PROVIDE 1" CONDUIT WITH 1#6(H), 1#6(N) & 1#10GND FOR ALL POLE MOUNTED RECEPTACLES UNLESS NOTED OTHERWISE.
9. ALL LIGHT MOUNTING HARDWARE TO BE PROVIDED BY THE POLE MANUFACTURER. MOUNTING HARDWARE TO MATCH POLE COLOR.

KEYED NOTES: (THIS SHEET ONLY)

1. NEW SERVICE ENTRANCE EQUIPMENT. REFERENCE ELECTRICAL ONE-LINE DIAGRAM, SHEET E-201 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ARCHITECT PRIOR TO ROUGH-IN.
2. NEW CPS ENERGY SERVICE RISER. REFERENCE ELECTRICAL ONE-LINE DIAGRAM, SHEET E-201 FOR ADDITIONAL INFORMATION. COORDINATE WITH CPS ENERGY FOR EXACT LOCATION.
3. NEW SECONDARY UNDERGROUND CONDUITS FROM CPS ENERGY SERVICE RISER. REFERENCE ELECTRICAL ONE-LINE DIAGRAM, SHEET E-201 FOR ADDITIONAL INFORMATION.
4. EXISTING CPS ENERGY UTILITY POLE TO BE RELOCATED TO ACCOMMODATE NEW ELECTRICAL SERVICE. COORDINATE REMOVAL AND RELOCATION WITH CPS ENERGY.
5. PROPOSED NEW LOCATION OF EXISTING CPS ENERGY UTILITY POLE. COORDINATE EXACT LOCATION WITH CPS ENERGY.
6. PROVIDE 2(TWO)-4" SLEEVES FOR POWER TO LIGHTING AND RECEPTACLES CROSSING UNDER ROADWAY.
7. PROVIDE 24"X24"X8" DEEP QUAZITE IN-GRADE JUNCTION BOX FOR CONNECTIVITY OF POWER. REFERENCE DETAIL NO. 2, THIS SHEET FOR ADDITIONAL INFORMATION.
8. PROVIDE QUAZITE IN-GRADE JUNCTION BOX FOR CONNECTIVITY OF FUTURE POWER. REFERENCE DETAIL NO. 2, THIS SHEET FOR ADDITIONAL INFORMATION.
9. PROVIDE 1#8(H), 1#8(N) & 1#10GND IN ¾" CONDUIT.
10. PROVIDE 1(ONE)-4" SLEEVE FOR FUTURE PLAYGROUND TRAIL LIGHTING AND POWER TO CROSS UNDER ROADWAY. PROVIDE 2(TWO)-2" SPARE CONDUITS FOR FUTURE PLAYGROUND TRAIL LIGHTING & POWER. STUB CONDUITS 6" ABOVE GRADE AT ELECTRICAL SERVICE ENTRANCE EQUIPMENT AND ROUTE TO IN-GRADE JUNCTION BOX. PROVIDE CONDUITS WITH PULL STRING AND END BUSHINGS.
11. PROVIDE 2(TWO)-2" CONDUITS BETWEEN IN-GRADE JUNCTION BOXES FOR FUTURE PLAYGROUND TRAIL LIGHTING AND POWER.

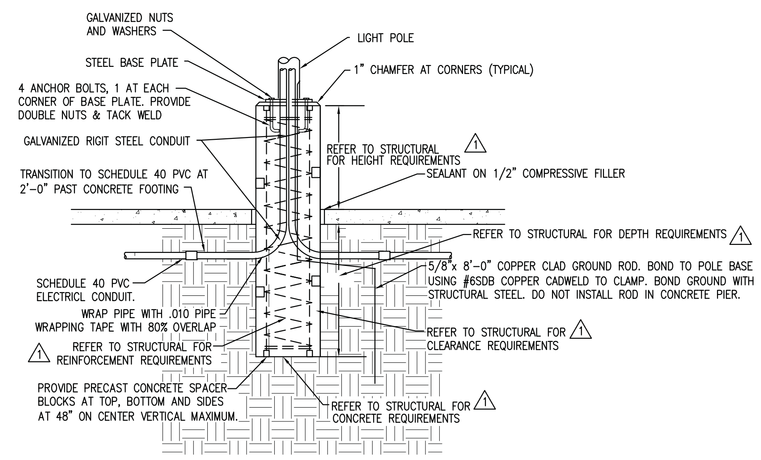
KEYED NOTES: (DETAIL NO. 2 ONLY)

1. PROVIDE TIER '15' QUAZITE 12"x12"x6" DEEP OPEN BOTTOM BOX. PROVIDE WITH GASKET KIT AND CG BOLT-ON GASKETED COVER. PROVIDE A 3" LAYER OF GRAVEL AT THE BOTTOM OF THE BOX. FIELD COORDINATE WITH ARCHITECT FOR EXACT LOCATION FOR ROUTING AND ACCESSIBILITY PURPOSES.



2 TYPICAL IN-GRADE PULL BOX DETAIL

NOT-TO-SCALE



3 TYPICAL POLE BASE DETAIL

NOT-TO-SCALE

GENERAL NOTES: (DETAIL NO. 3 ONLY)

1. CONTRACTOR SHALL VERIFY DEPTH OF POLE BASE AND REINFORCEMENT REQUIREMENTS WITH CIVIL ENGINEER PRIOR TO THE POUR OF CONCRETE.

KELL MUÑOZ
P.O. Box 90206 SAN ANTONIO TX 78209
1017 N MAIN SUITE 300 SAN ANTONIO TX 78212
210.349.1163 F 210.525.1038

CNG Engineering
1917 N. New Braunfels Ave. Ste. 201
San Antonio, Texas 78208
(210) 224-8841, FAX (210) 224-8824

INTERIM REVIEW ONLY
Document Incomplete: Not Intended for permit, bidding or construction.
Engineer: STEVEN LEE GLENN
P.E. Reg. No.: 49153
Company Name: CNG ENGINEERING, PLLC.
Company Reg. No.: F-7964
Date: 08-05-11

City of San Antonio
Mission Loop Road Extension

Revisions

#	DESCRIPTION	DATE
1	ADDENDUM NO. 1	08/17/11
2	ADDENDUM NO. 4	08/26/11

Sheet Title
MARQUEE PLAZA AND LOOP ROAD LIGHTING PLAN

Date
AUGUST 12, 2011

Project Number R11032.00
Drawn By MLW

Sheet Number
E-101

G:\2009\0010-09_CoSA District 3 Library\Design\Drawings\Elec\Mission Marquee\E-101 Marquee Plaza & Loop Road Lighting Plan.dwg, 8/25/2011 3:17:12 PM, PDF eDirect v2