LEON CREEK GREENWAY DEVELOPMENT PROJECT

SOUTHERN SEGMENT - 2.60 MILES
LOOP TRAIL AT LEVI STRAUSS PARK
San Antonio, TX

DATE OF ISSUE: 01/28/2011

100% CONSTRUCTION DOCUMENTS

San Antonio **Parks and Recreation** *Department*

PROJECT #

26-00078

FUNDING

Sales Tax - (Creekway)

A - ALIGNMENT
C - CIVIL PLANS
TH - TRAIL HEAD
S - STRUCTURAL
L - WAYFINDING LAYOUTS
WF - WAYFINDING SIGNAGE
LP - LANDSCAPE PLANTING
TSD - TREE STAND DELINEATION
D - DETAILS
E - ELECTRICAL
T - TRAFFIC

CITY COUNCIL

MAYOR

JULIÁN CASTRO

COUNCIL

DIEGO M. BERNAL	DISTRICT 1
IVY R. TAYLOR	DISTRICT 2
JENNIFER V. RAMOS	DISTRICT 3
REY SALDAÑA	DISTRICT 4
DAVID MEDINA, JR.	DISTRICT 5
RAY LOPEZ	DISTRICT 6
CRIS MEDINA	DISTRICT 7
W. REED WILLIAMS	DISTRICT 8
ELISA CHAN	DISTRICT 9
CARLTON SOULES	DISTRICT 10

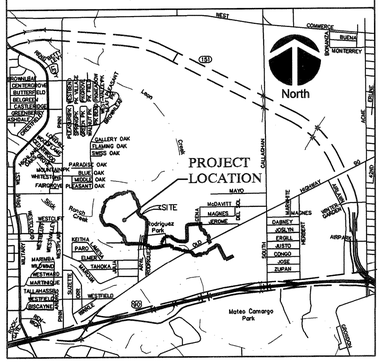
CITY MANAGER

SHERYL SCULLEY

DIRECTOR OF PARKS & RECREATION

XAVIER URRUTIA

LOCATION MAP



SPECIAL PROJECTS MANAGER

BRANDON ROSS
PH. # 207-6101
Fax # 207-2720

PROJECT COORDINATOR

AGDEL RIVERA
PH. # 207-4073
Fax # 207-2720

CONSULTANTS

ENGINEER

VICKREY & ASSOCIATES
12940 COUNTRY PARKWAY
SAN ANTONIO, TX. 78216
PH. # 210-349-3271

LANDSCAPE ARCHITECT

BENDER WELLS CLARK DESIGN
830 N. ALAMO ST.
SAN ANTONIO, TX 78215
PH. # 210-692-9221
FAX # 210-223-8582

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G1.0	General Notes	TSD 1.01	Enlarged Tree Stand Delineation
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SW3P	Stormwater Pollution Prevention Plan Narrative	TSD 1.03	Enlarged Tree Stand Delineation
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S2	Bridge Plan & Profile	T1.03	Traffic Signal Pole Foundation Details
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S4	Bridge Beam Plan & Elevation	T1.05	Traffic Signal Support Structures - Single Mast Arm Assembly
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STATE OF TEXAS
KARA J. HEASLEY
92590
LICENSED PROFESSIONAL ENGINEER
6/24/11

NOTE:
27 ADDITIONAL PLAN SHEETS WERE ADDED TO THIS PLAN SET. THE TOTAL NUMBER OF SHEETS IS NOW 104.

"Although it is not the responsibility of the City to provide sets of drawings and/or specifications to the successful Contractor for the construction of this project, the City may provide extra or returned sets that are available, if any from the bidding process. All other sets as deemed required by the Contractor, for the purposes of construction of this project, shall be obtained and paid by the Contractor."

CITY OF SAN ANTONIO, TEXAS
PARKS & RECREATION DEPARTMENT
LINEAR CREEK GREENWAY DIVISION
114 W. COMMERCE ST., 10th FLOOR SAN ANTONIO, TX 78205 PH # 210-207-4073 FAX # 210-207-2720

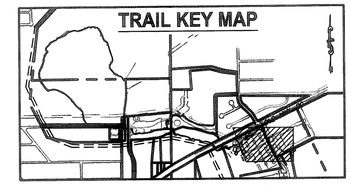
LEGEND

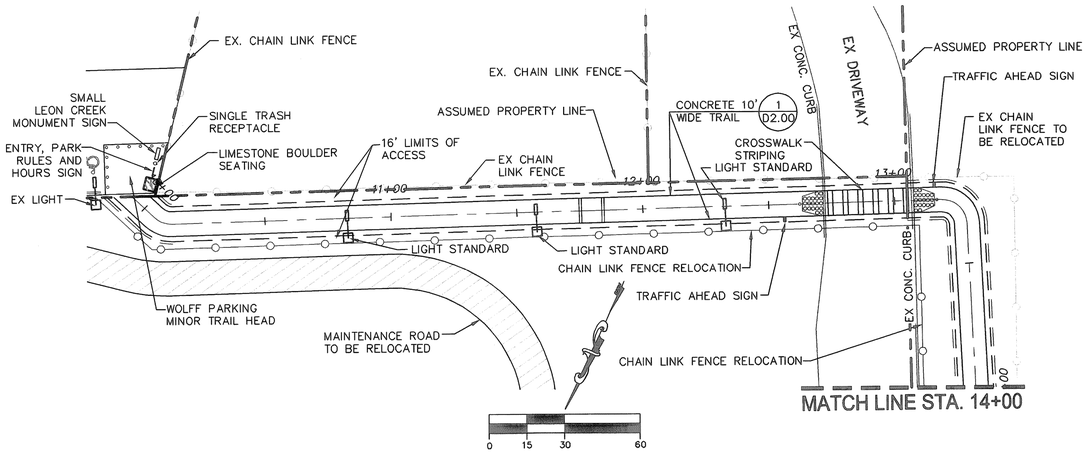
- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
CONTRACTOR SHALL PROVIDE SIGNS SUPPLIED BY A LICENSED SIGN COMPANY AND INSTALLED BY A LICENSED SIGN CONTRACTOR. PERMITS FOR SIGNS SHALL BE OBTAINED FROM APPROPRIATE AGENCIES.

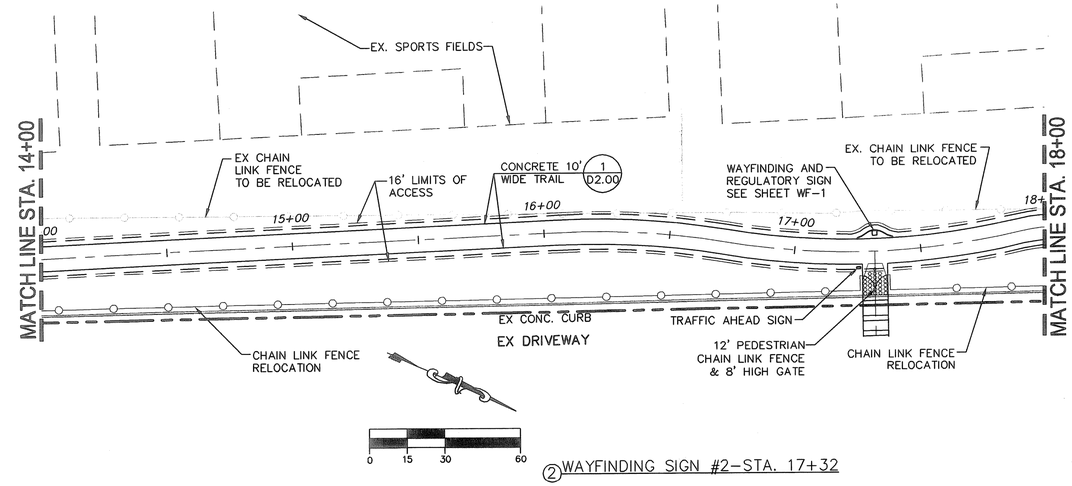
TRAIL KEY MAP





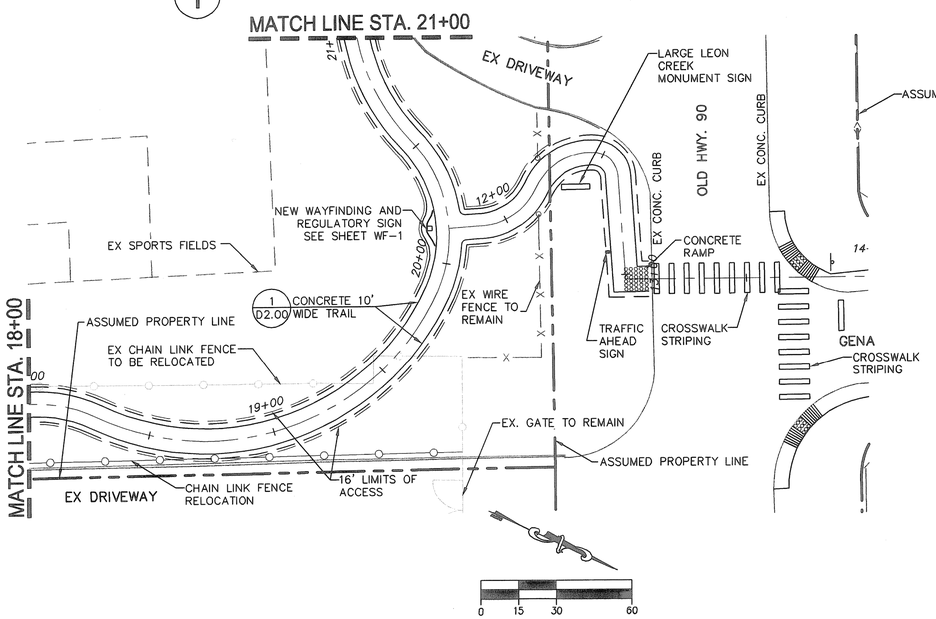
1 WAYFINDING SIGN #1–STA. 9+93

1 WAYFINDING LAYOUT: TRAIL SECTION "A"



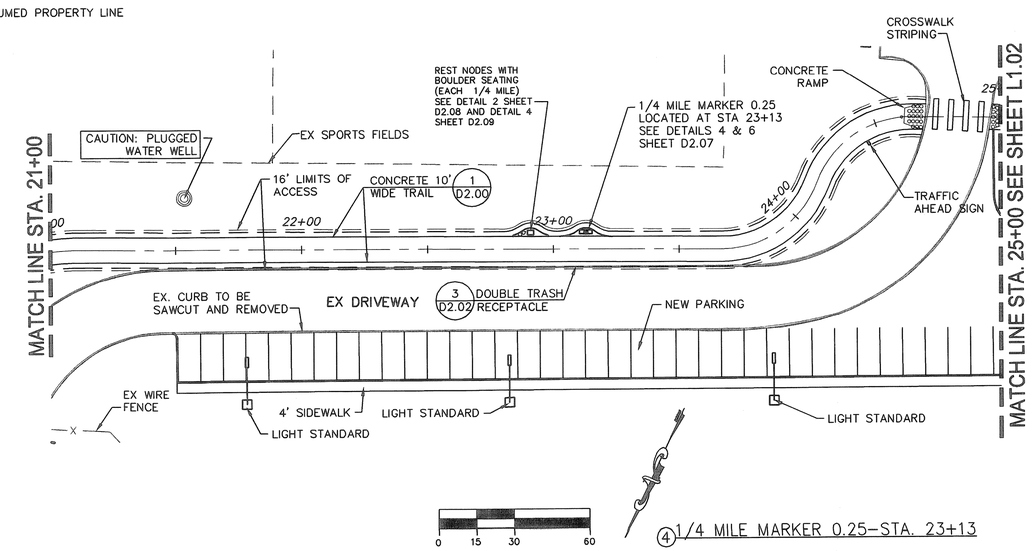
2 WAYFINDING SIGN #2–STA. 17+32

2 WAYFINDING LAYOUT: TRAIL SECTION "B"



3 WAYFINDING SIGN #3–STA. 20+14

3 WAYFINDING LAYOUT: TRAIL SECTION "C"



4 1/4 MILE MARKER 0.25–STA. 23+13

4 WAYFINDING LAYOUT: TRAIL SECTION "D"

GENERAL NOTES:

1. *VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.*
2. *REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.*

NO.	DATE	DESCRIPTION
4		
3		
2	6/24/11	ADDED SIGN NOTES AND SIGN CALLOUTS
1	6/02/11	REVISED CALLOUTS FOR REST NODES

REVISIONS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO. FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Voice: (210) 342-2277 Fax: (210) 342-2561
Firm Registration No. F-159

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 10+00 THRU STA. 25+00

LEON CREEK GREENWAY SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE Vertical 1" = N/A Horizontal 1" = 30'

SHEET	OF
L1.01	78

PROJ NO. 2066-001

jun 24, 2011 – 9:13am
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LEGEND

- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

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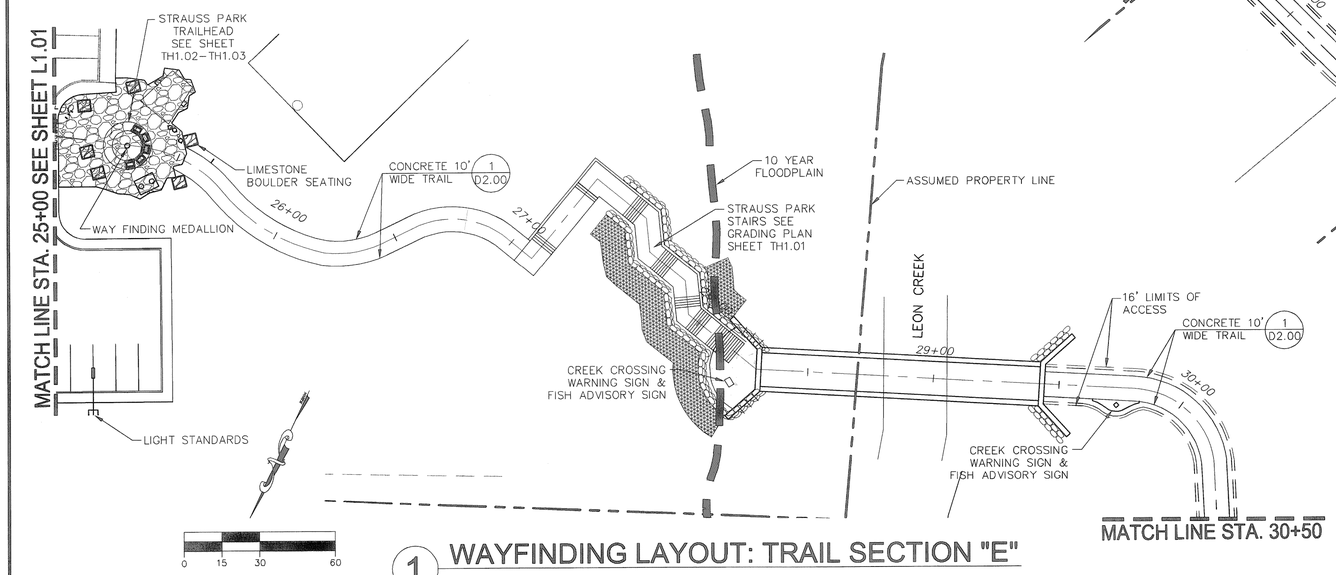
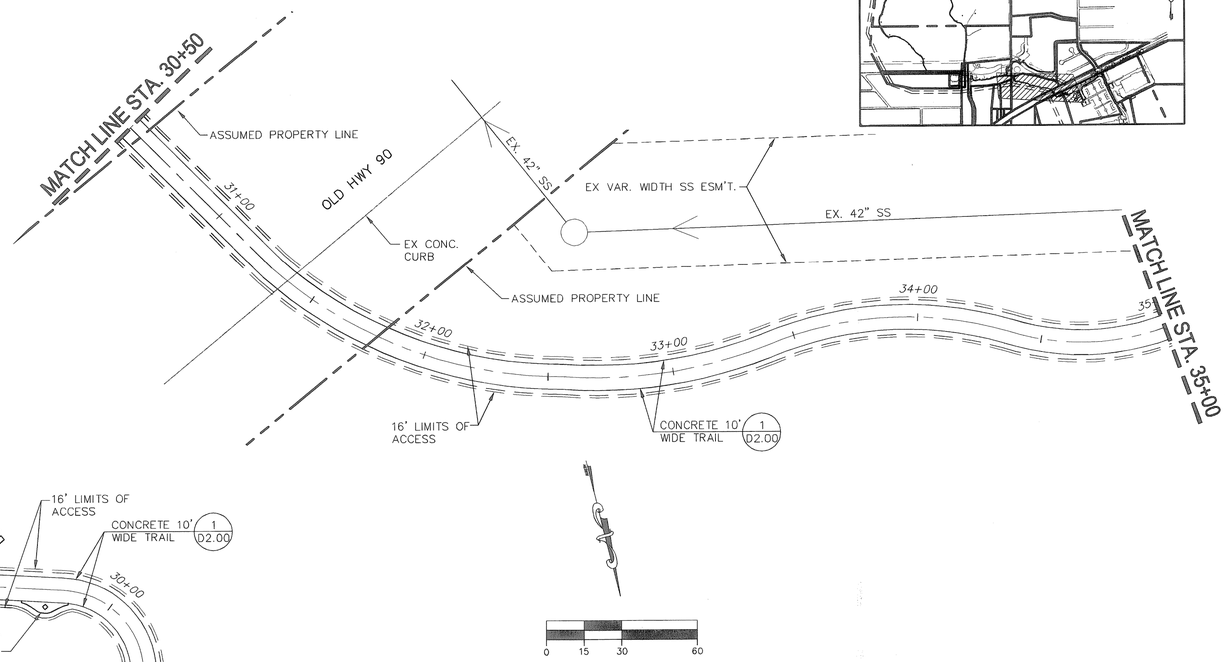
NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND OBTAINING COORDINATES FOR WAY FINDING MEDALLIONS.

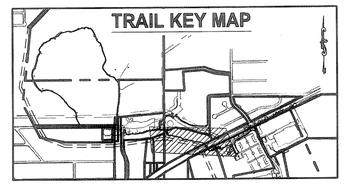


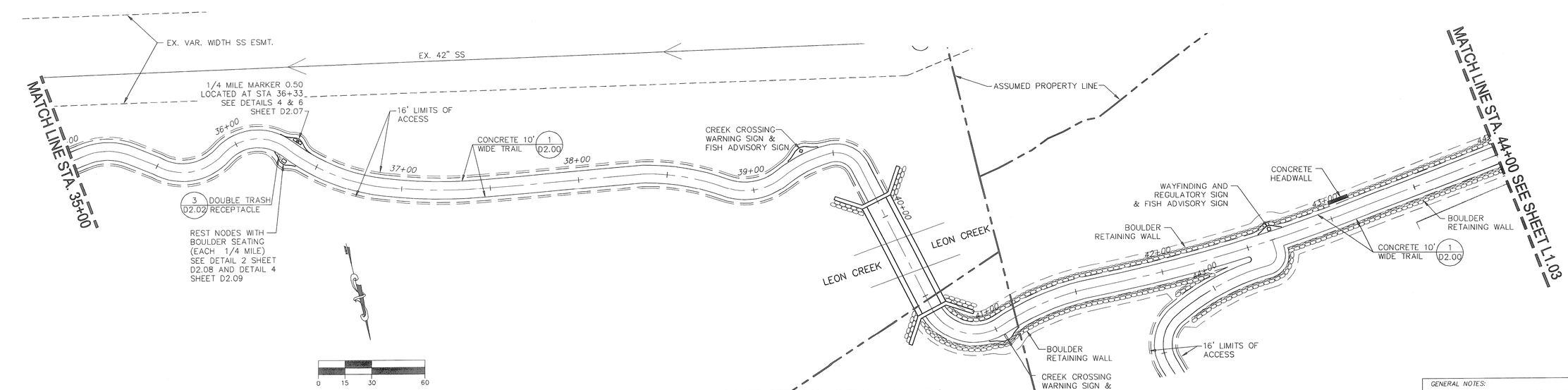
1 WAYFINDING LAYOUT: TRAIL SECTION "E"

1 WAYFINDING SIGN #4-STA. 25+29



2 WAYFINDING LAYOUT: TRAIL SECTION "F"





2 1/4 MILE MARKER 0.50-STA. 36+33

3 WAYFINDING SIGN #5-STA. 42+65

3 WAYFINDING LAYOUT: TRAIL SECTION "G"

GENERAL NOTES:

1. VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.
2. REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.

NO.	DATE	DESCRIPTION
4		
3		ADDED SIGN NOTES AND SIGN CALLOUTS
2	6/24/11	REVISED CALLOUTS FOR REST NODES
1	6/02/11	

REVISIONS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO. FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

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CONSULTING ENGINEERS
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San Antonio, Texas 78216
Voice: (210) 349-3271 Fax: (210) 349-2561
Firm Registration No.: F-159

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 25+00 THRU STA. 44+00

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"= N/A
Horizontal 1"= 30'
0 15 30 45

SHEET L1.02 OF 78

PROJ NO. 2066-001

Jun 24, 2011 - 9:17am
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LEGEND

- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

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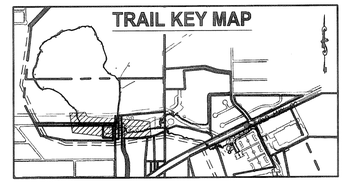
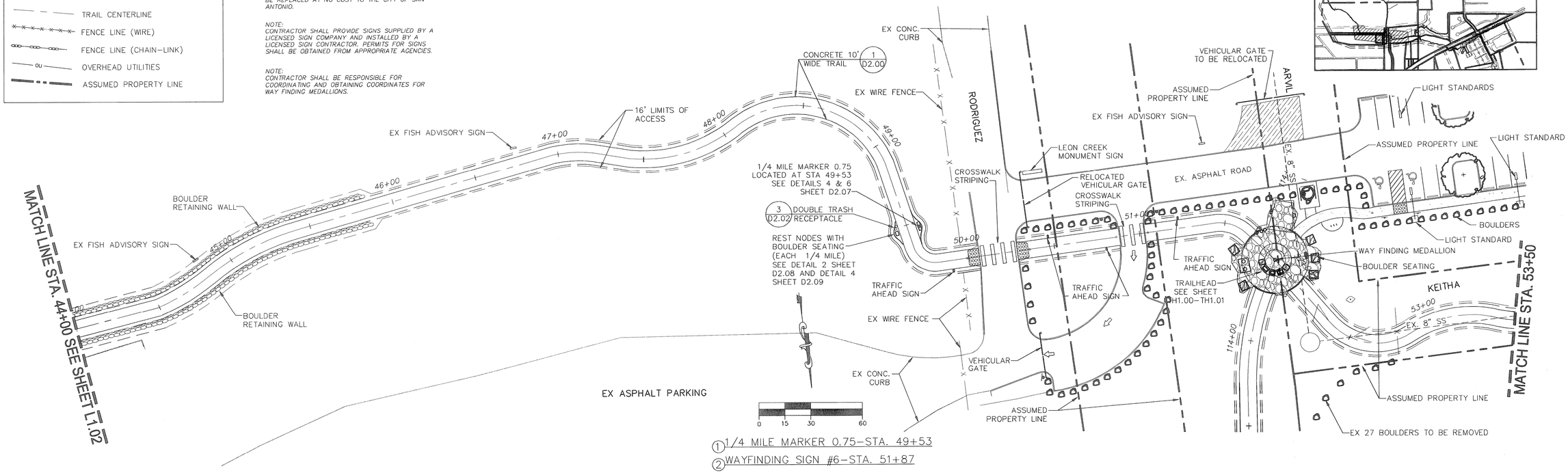
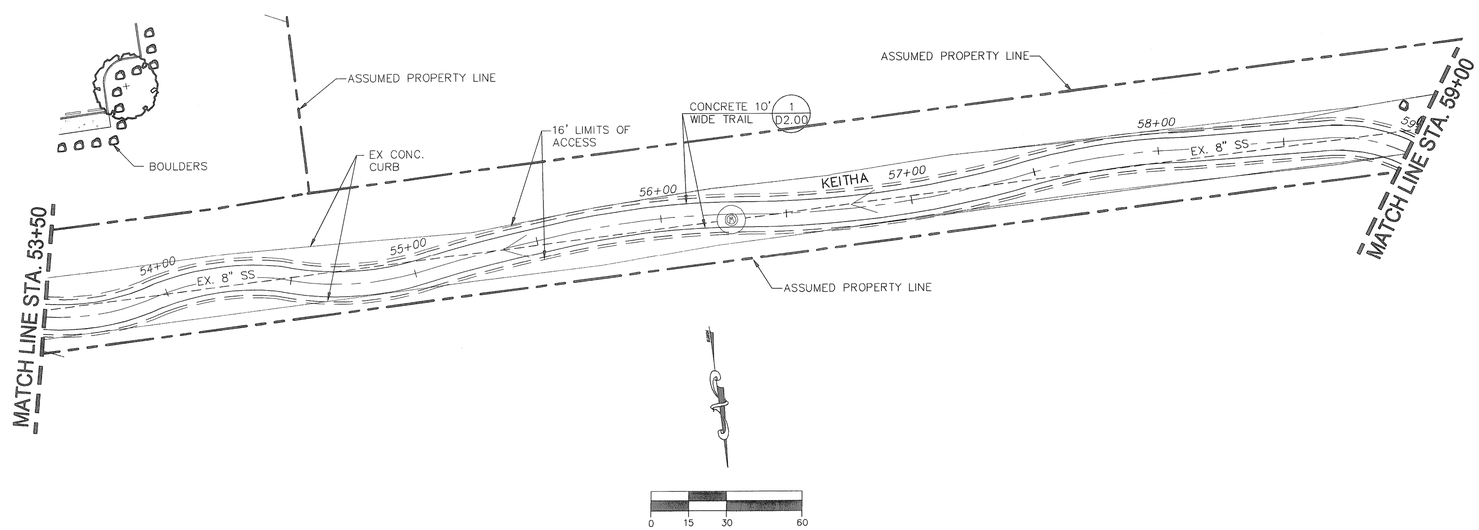


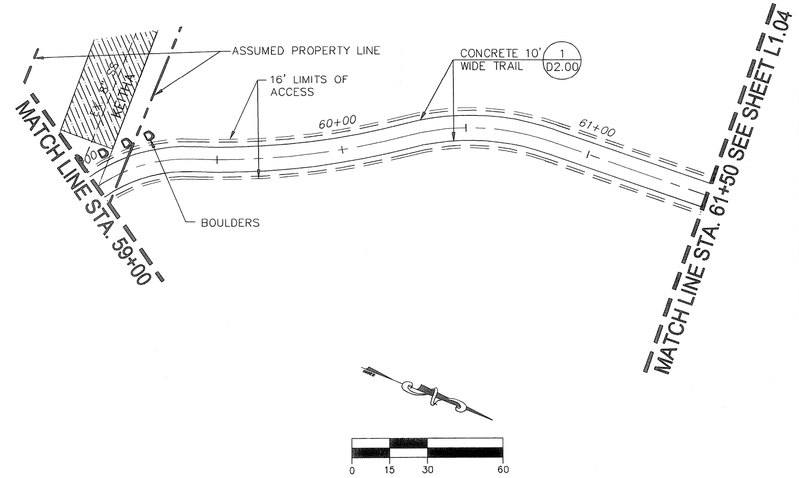


① 1/4 MILE MARKER 0.75-STA. 49+53
② WAYFINDING SIGN #6-STA. 51+87

1 WAYFINDING LAYOUT: TRAIL SECTION "H"



2 WAYFINDING LAYOUT: TRAIL SECTION "I"



3 WAYFINDING LAYOUT: TRAIL SECTION "J"

GENERAL NOTES:

1. *VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.*
2. *REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.*

NO.	DATE	DESCRIPTION
4		
3		ADDED SIGN NOTES AND SIGN CALLOUTS
2	6/24/11	REVISED CALLOUTS FOR REST NODES
1	6/02/11	

REVISIONS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO. FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
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Voice: (210) 349-3271 Fax: (210) 349-2561
Firm Registration No. F-199

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 44+00 THRU STA. 61+50

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1" = N/A
Horizontal 1" = 30'
0 15 30 45

SHEET L1.03 OF 78

PROJ NO. 2066-001

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Jun 24, 2011 - 9:20am
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LEGEND

- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OU — OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

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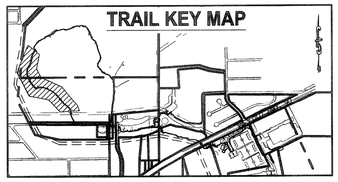
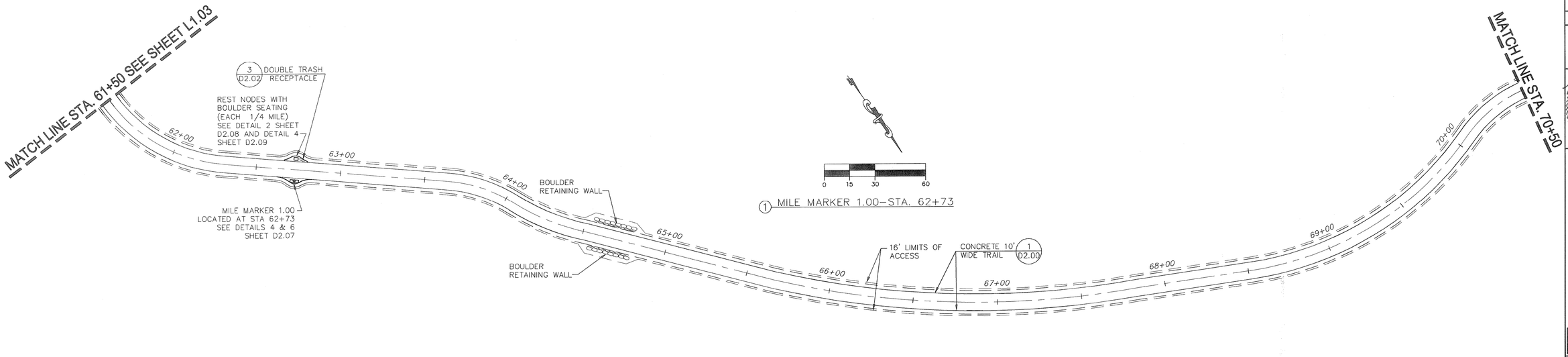
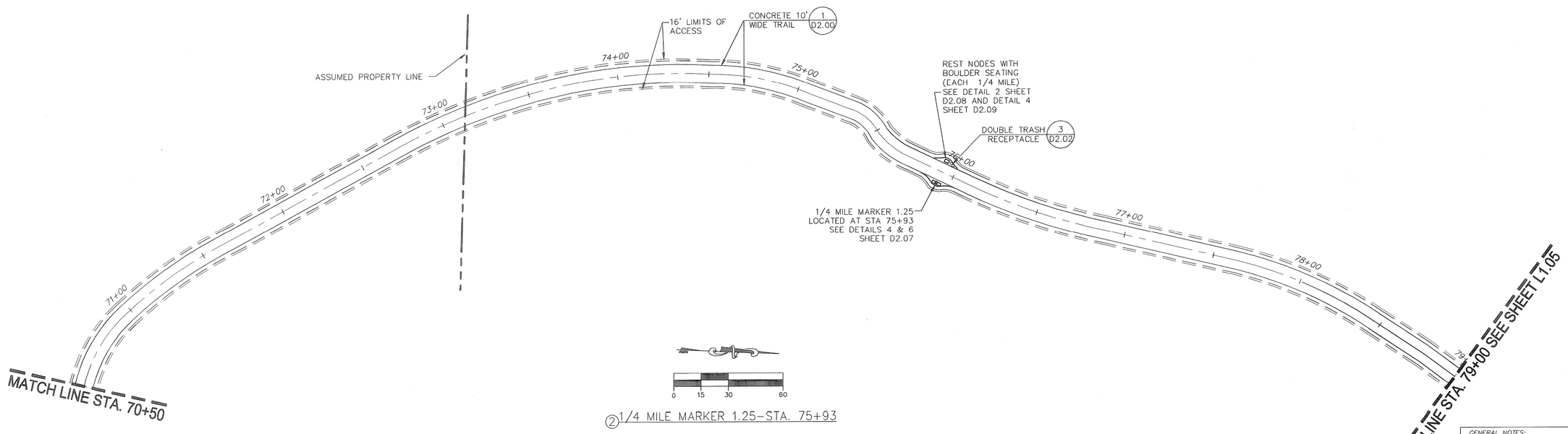
TRAIL KEY MAP





1 MILE MARKER 1.00-STA. 62+73

1 WAYFINDING LAYOUT: TRAIL SECTION "K"



2 1/4 MILE MARKER 1.25-STA. 75+93

2 WAYFINDING LAYOUT: TRAIL SECTION "L"

GENERAL NOTES:
1. VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.
2. REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.

NO.	DATE	DESCRIPTION
4		
3		ADDED SIGN NOTES
2	6/24/11	REVISED CALLOUTS FOR REST NODES
1	6/02/11	

REVISIONS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO. FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
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San Antonio, Texas 78216
Voice: (210) 349-3271 Fax: (210)349-2561
Firm Registration No.: F-159

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 61+50 THRU STA. 79+00

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1" = N/A
Horizontal 1" = 30'
0 15 30 45

SHEET L1.04 OF 78

PROJ NO. 2066-001

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Jun 24, 2011 - 9:21am
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LEGEND

- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

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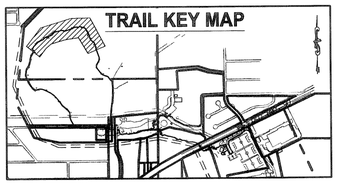
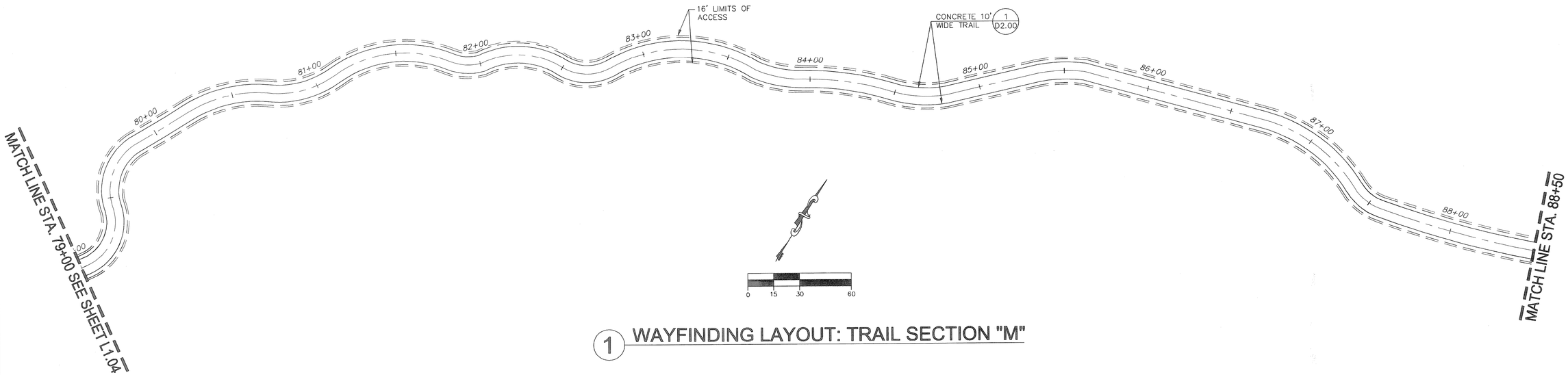
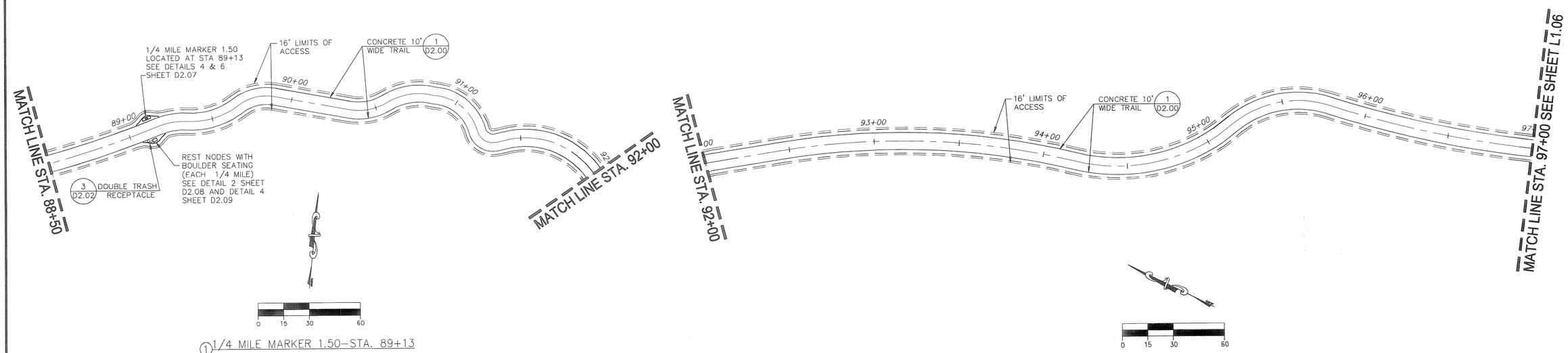




1 WAYFINDING LAYOUT: TRAIL SECTION "M"



1 1/4 MILE MARKER 1.50–STA. 89+13

2 WAYFINDING LAYOUT: TRAIL SECTION "N"

3 WAYFINDING LAYOUT: TRAIL SECTION "O"

GENERAL NOTES:
1. VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.
2. REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.

NO.	DATE	DESCRIPTION
4		
3	6/24/11	ADDED SIGN NOTES
2	6/02/11	REVISED CALLOUTS FOR REST NODES
1		

REVISIONS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO: FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
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Firm Registration No.: F-1759

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 79+00 THRU STA. 97+00

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"= N/A
Horizontal 1"= 30'
0 15 30 45

SHEET L1.05 OF 78

PROJ NO. 2066-001

Jun 24, 2011 – 9:22am
R:\2066-001\dn_wayfinding_sign.dwg

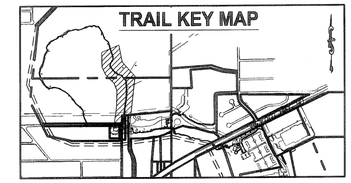
LEGEND

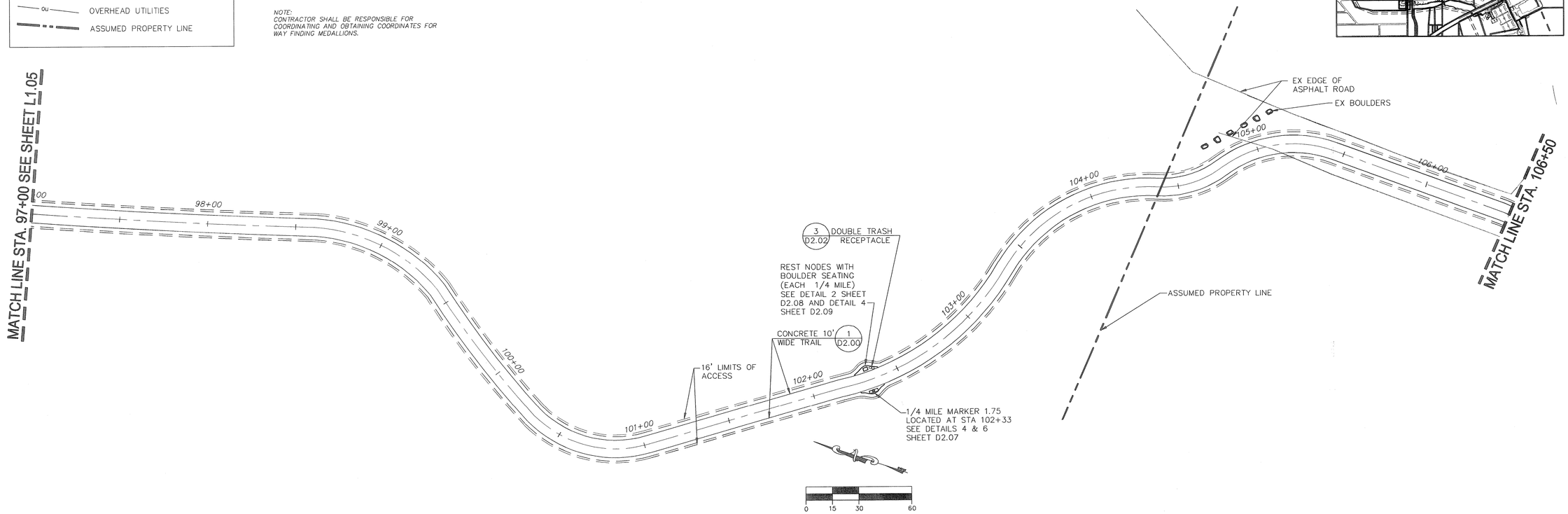
- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
CONTRACTOR SHALL PROVIDE SIGNS SUPPLIED BY A LICENSED SIGN COMPANY AND INSTALLED BY A LICENSED SIGN CONTRACTOR. PERMITS FOR SIGNS SHALL BE OBTAINED FROM APPROPRIATE AGENCIES.

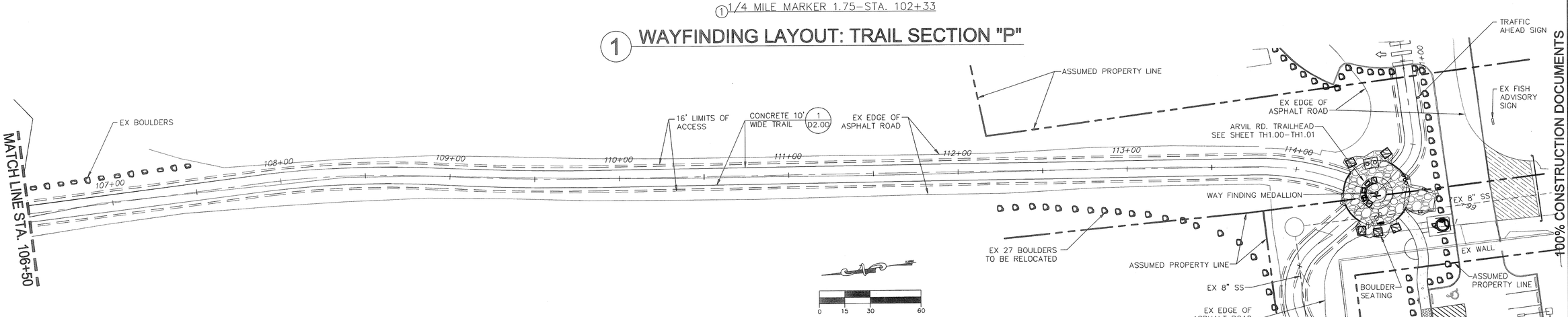
NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND OBTAINING COORDINATES FOR WAY FINDING MEDALLIONS.





1 1/4 MILE MARKER 1.75–STA. 102+33

1 WAYFINDING LAYOUT: TRAIL SECTION "P"



2 WAYFINDING SIGN #7–STA. 114+49

2 WAYFINDING LAYOUT: TRAIL SECTION "Q"

GENERAL NOTES:
1. *VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.*
2. *REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.*

NO.	DATE	DESCRIPTION
3	6/24/11	ADDED SIGN NOTES AND SIGN CALLOUTS
2	6/24/11	REVISED CALLOUTS FOR REST NODES
1	6/02/11	REVISED CALLOUTS FOR REST NODES

REVISIONS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO. FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

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Firm Registration No.: F-159

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PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 97+00 THRU STA. 114+49.50

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1" = N/A
Horizontal 1" = 30'
0 15 30 45

SHEET L1.06 OF 78

PROJ NO. 2066-001

Jun 24, 2011 – 9:27am
R:\2066-001\dn_wayfinding_sign.dwg

LEGEND

- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
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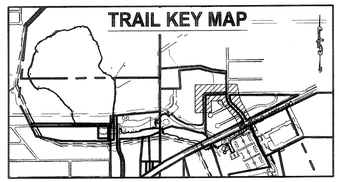
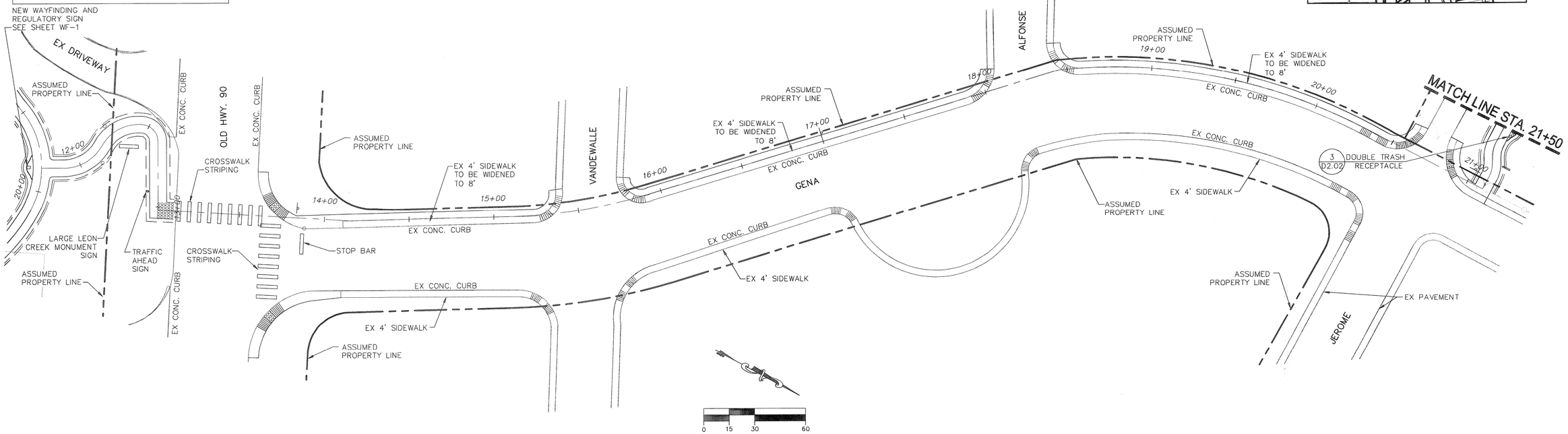
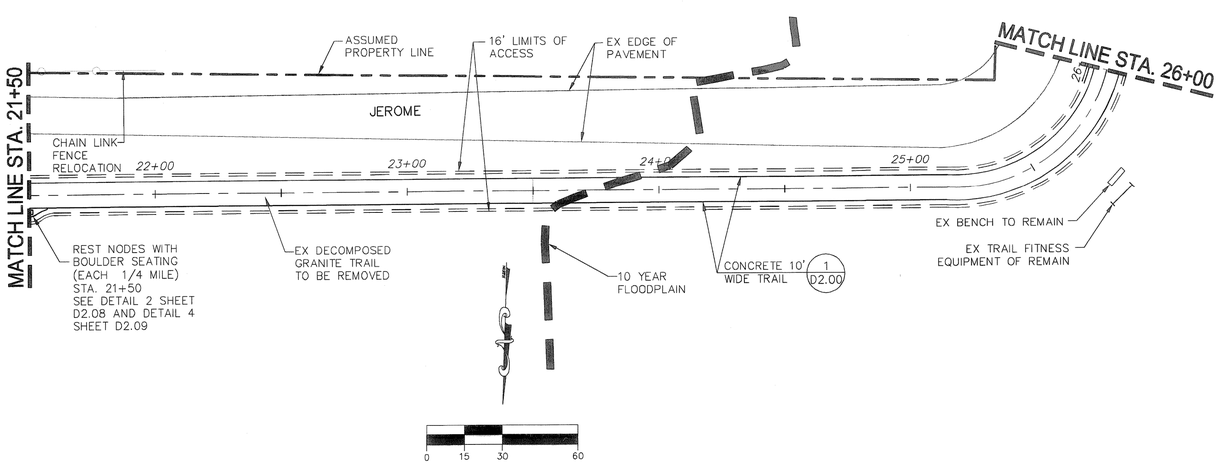
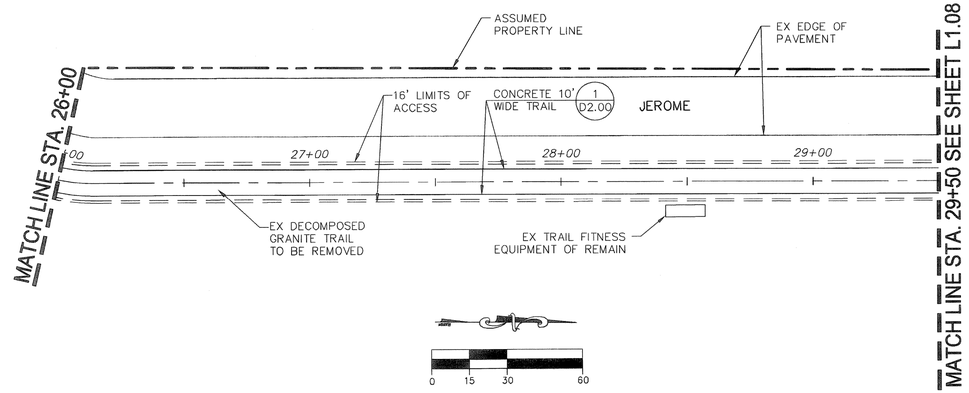




1 WAYFINDING LAYOUT: TRAIL SECTION "R"



2 WAYFINDING LAYOUT: TRAIL SECTION "S"



3 WAYFINDING LAYOUT: TRAIL SECTION "T"

GENERAL NOTES:
1. VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.
2. REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.

NO.	DATE	REVISIONS
4		
3		
2		
1	6/24/11	ADDED SIGN NOTES AND SIGN CALLOUTS

DRAWN BY: CHECKED BY: APPROVED BY: FILE NO. FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

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Firm Registration No. F-199

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 10+00 THRU STA. 29+50

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE Vertical 1" = N/A Horizontal 1" = 30'

SHEET	OF
L1.07	78

PROJ NO. 2066-001

Jun 24, 2011 - 9:20am
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LEGEND

- TRAIL SHOULDER
- TRAIL EDGE
- TRAIL CENTERLINE
- FENCE LINE (WIRE)
- FENCE LINE (CHAIN-LINK)
- OVERHEAD UTILITIES
- ASSUMED PROPERTY LINE

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

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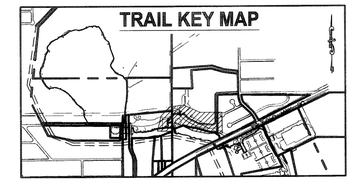
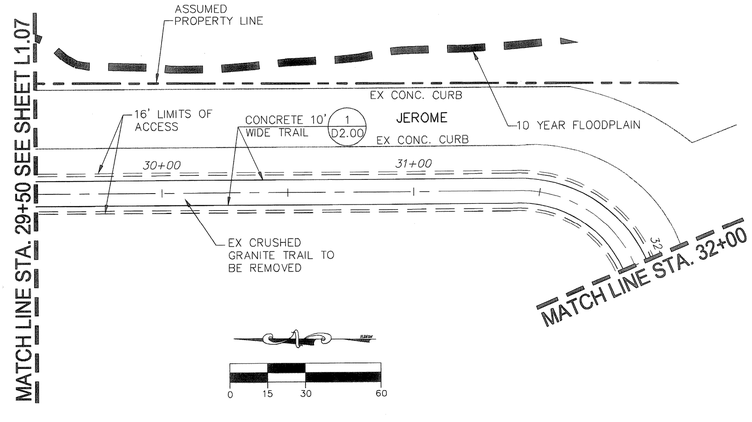
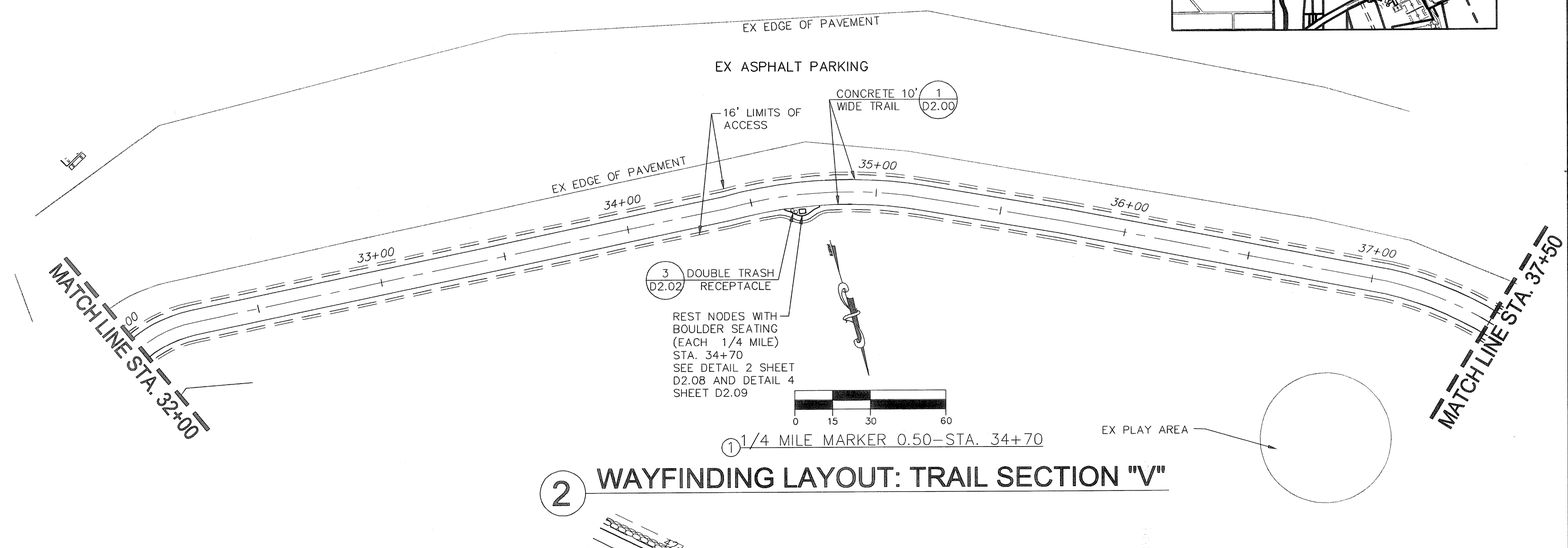


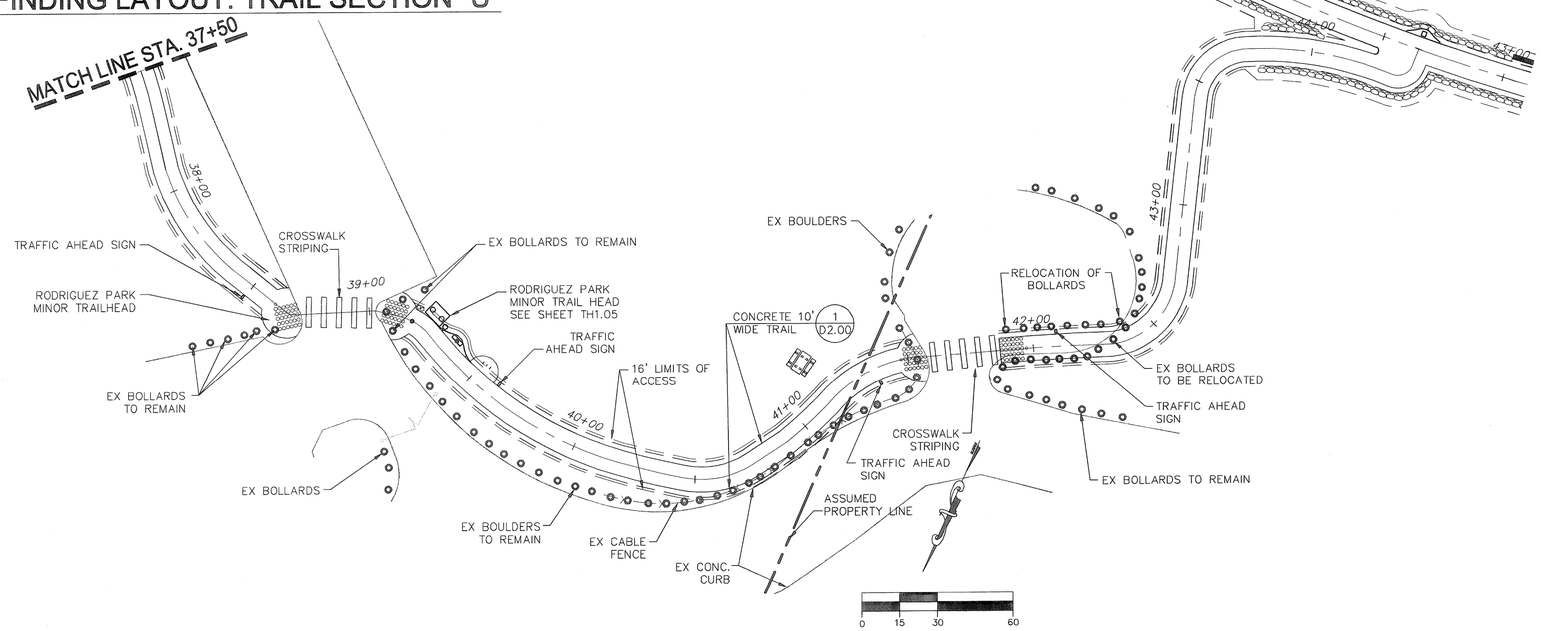


1 WAYFINDING LAYOUT: TRAIL SECTION "U"



1 1/4 MILE MARKER 0.50-STA. 34+70

2 WAYFINDING LAYOUT: TRAIL SECTION "V"



3 WAYFINDING LAYOUT: TRAIL SECTION "W"

GENERAL NOTES:

1. *VERIFY IN FIELD LOCATIONS OF 1/4 MILE MARKERS, MILE MARKERS AND WAYFINDING SIGN.*
2. *REFER TO SHEETS WF-1 & WF-2 FOR TRAIL SIGN PANELS.*

NO.	DATE	DESCRIPTION
4		
3		
2		ADDED SIGN NOTES AND SIGN CALLOUTS
1	6/24/11	

REVISIONS

DRAWN BY: | CHECKED BY: | APPROVED BY: | FILE NO. | FILE LOCATION:

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Voice: (210) 349-3271 Fax: (210)349-2581
Firm Registration No.: F-159

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

WAYFINDING SIGN LAYOUTS STA. 29+50 THRU STA. 44+50

LEON CREEK GREENWAY SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1" = N/A
Horizontal 1" = 30'

SHEET L1.08 OF 78

PROJ NO. 2066-001

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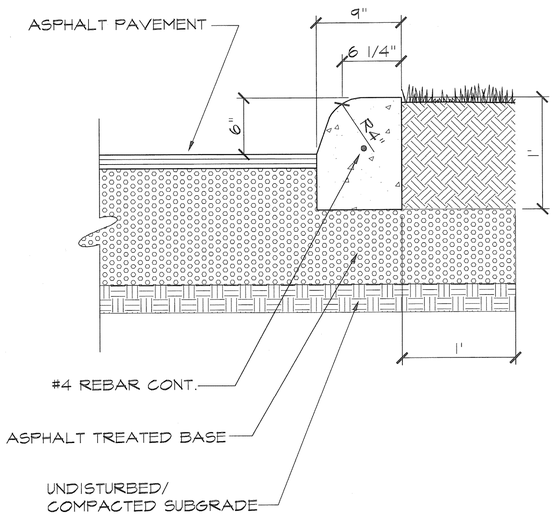
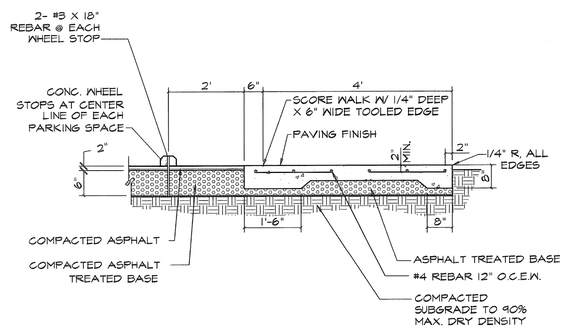
Jun 24, 2011 - 9:30am
R:\2066-001\dn_wayfinding_sign.dwg

NOTE:
1. 1/4" X 1/2" DEPTH MIN. DUMMY JOINTS @ 10' ON CENTER
2. 1/2" EXPANSION JOINT @ 40'-0" O.C. (TYP.) OR WHEN CURB ABUTS A CONCRETE STRUCTURE
3. CONCRETE SHALL BE CLASS "A" (3,000 PSI)



1 CONCRETE CURB

1-1/2" = 1'-0"



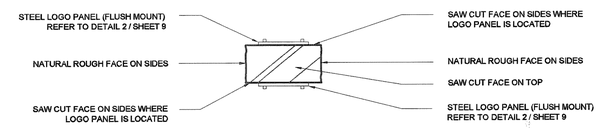
2 CONCRETE HEADER CURB @ SIDEWALK

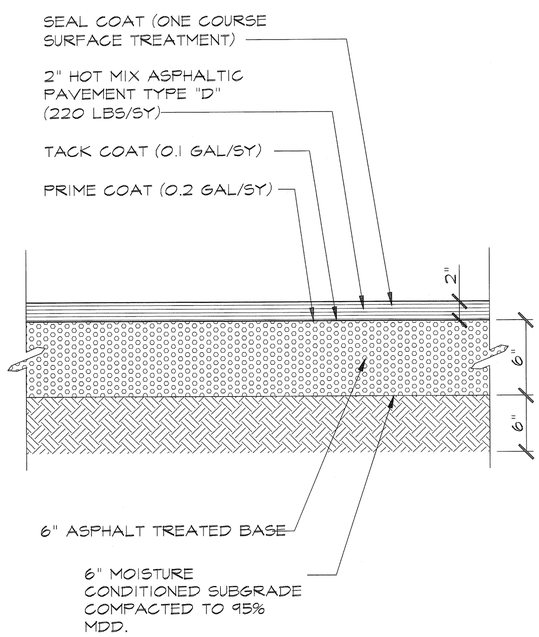
1/2" = 1'-0"

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
CONTRACTOR SHALL PROVIDE SIGNS SUPPLIED BY A LICENSED SIGN COMPANY AND INSTALLED BY A LICENSED SIGN CONTRACTOR. PERMITS FOR SIGNS SHALL BE OBTAINED FROM APPROPRIATE AGENCIES.

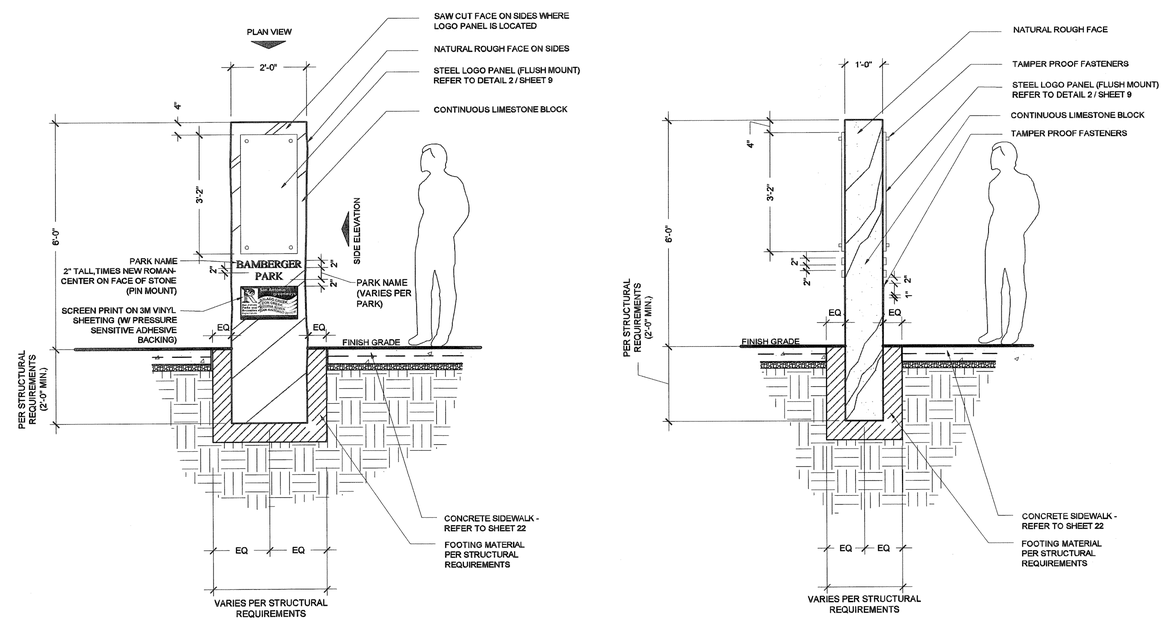
NOTE:
1. LIMESTONE COLORS–
   A. NATURAL ROUGH FACE– 'RUST' WITH MINOR AMOUNTS OF 'CREAM'
   B. SAW CUT FACE– 'CREAM'
2. LIMESTONE SAMPLE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.





3 2" ASPHALT PAVEMENT, TYP.

1-1/2" = 1'-0"



4 MONUMENT - MINOR TRAILHEAD (NEIGHBORHOOD CONNECTION)

1/2" = 1'-0"

NO.	DATE	DESCRIPTION
4		
3		
2	6/24/11	ADDED SIGN NOTES AND REVISED LEON CREEK SIGN DETAILS
1		

REVISIONS

DRAWN BY: | CHECKED BY: | APPROVED BY: | FILE NO. | FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

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Firm Registration No.: F-159

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PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

CONCRETE & ASPHALT DETAILS

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"= NA
Horizontal 1"= NA

SHEET D2.01 OF 78

PROJ NO. 2066-001

Jun 24, 2011 – 10:00am
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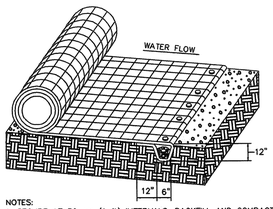
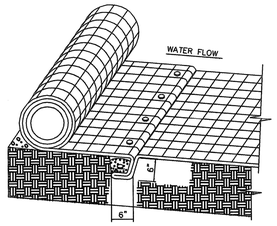


NOTES:
1. SECURE AT 30 cm (1 ft) INTERVALS, BACKFILL AND COMPACT SOIL.

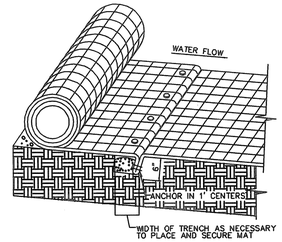
INITIAL ANCHOR TRENCH DETAIL

NOT TO SCALE



INTERMITTENT CHECK SLOT DETAIL

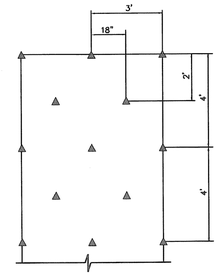
NOT TO SCALE



NOTES:
1. SECURE AT 30 cm (1 ft) INTERVALS, BACKFILL AND COMPACT SOIL
2. SLOT @ EVERY 30 FEET

ALTERNATE INTERMITTENT CHECK SLOT DETAIL

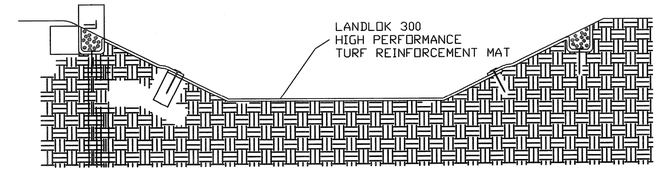
NOT TO SCALE



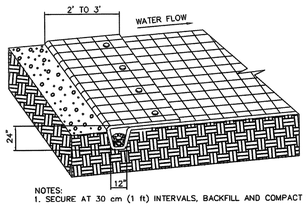
NOTES:
1. ANCHOR PATTERN 2.5 ANCHORS / m^2 (2 ANCHORS / Yd^2)
2. U – SHAPED WIRE STAPLES, METAL GEOTEXTILE PINS, TRIANGULAR WOODEN OR PLASTIC STAKES CAN BE USED TO ANCHOR TRMs TO THE GROUND SURFACE

ANCHOR PATTERN DETAIL

NOT TO SCALE



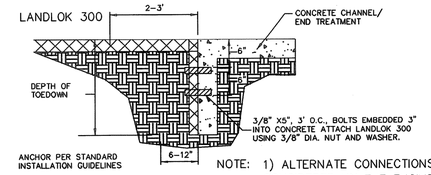
NOTES:
1. PLACE 3 ANCHOR / m (2 ½ ANCHORS / Yd) FOR CHANNELS
2. EXTEND LANDLOK 300 TURF REINFORCEMENT MAT (OR EQUAL) TO ACCOMODATE MAXIMUM DESIGNED FLOW DEPTH



NOTES:
1. SECURE AT 30 cm (1 ft) INTERVALS, BACKFILL AND COMPACT SOIL.

TERMINAL CHANNEL ANCHOR TRENCH DETAIL

NOT TO SCALE



NOTE: 1) ALTERNATE CONNECTIONS MAY BE CONSIDERED BY THE ENGINEER

CONCRETE/LANDLOK 300 CONNECTION DETAIL

NOT TO SCALE

NOTE: 1) AREA UNDER MAT TO BE FREE OF ROCKS AND OTHER DEBRIS. MAT MUST MAINTAIN INTIMATE CONTACT WITH SOIL.
2) TURF REINFORCEMENT MAT TO BE ROLLED PARALLEL TO CHANNEL
3) MATERIAL PROVIDED BY GEO–SOLUTIONS, 210–710–6398

1 LANDLOK 300 TURF REINFORCEMENT MAT (HPTRM)

NTS

NOTE:
CONTRACTOR SHALL APPLY ANTI–GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE–MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI–GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
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ANCHORLOK 300 CONSTRUCTION NOTES

4.1 SITE PREPARATION- HIGH PERFORMANCE TURF REINFORCEMENT MAT (HPTRM)

A. GRADE AND COMPACT AREAS TO BE TREATED WITH HPTRM AND COMPACT. THE TOP 8" OF SUBGRADE MUST BE FREE OF ROCK, DEBRIS AND CONSIST OF A COHESIVE LIVE SOIL. IF THE EXISTING SUBGRADE DOES NOT MEET THESE STANDARDS, THE CONTRACTOR IS RESPONSIBLE FOR THE IMPORT OF ACCEPTABLE MATERIAL.
B. REMOVE LARGE ROCKS, SOIL CLODS, VEGETATION, AND OTHER SHARP OBJECTS (LARGER THAN 2" IN DIAMETER) THAT COULD KEEP THE HPTRM FROM INTIMATE CONTACT WITH SUBGRADE.
C. PREPARE THE 8" COMPACTED SEEDBED BY LOOSENING THE TOP ½" OF SOIL ABOVE FINAL SUBGRADE.
D. CONSTRUCT, AS A MINIMUM, 24"X12" ANCHOR TRENCHES AT UPSTREAM AND DOWNSTREAM ENDS OF THE INSTALLATION TO INHIBIT UNDERMINING FROM STRAY SURFACE WATER. (ANCHORED TRENCHES SHOULD BE EXCAVATED TO A DEPTH THAT MATCHES DESIGN SCOUR DEPTH.) EXCAVATE 6"X6" CHECK SLOTS AT 25 TO 30 FEET INTERVALS ALONG LENGTH OF CHANNEL. CUT LONGITUDINAL ANCHOR SLOTS 6"X6" AT TOP OF EACH SIDE SLOPE. THE AFOREMENTIONED DIMENSIONS ARE MINIMUMS AND THE DIMENSIONS DETAILED ON THE DRAWINGS WILL CONTROL.

4.1 INSTALLATION - HPTRM

A MANDATORY PRE-CONSTRUCTION CONFERENCE WITH AN ENGINEER REPRESENTING THE HPTRM MANUFACTURER, CONTRACTOR, AND INSPECTOR MUST BE COMPLETED. THE CONFERENCE IS TO BE SCHEDULED BY THE CONTRACTOR WITH AT LEAST ONE WEEK'S NOTICE TO ALL PARTIES INVOLVED. REPRESENTATIVES MAY BE REQUIRED TO BE ON SITE FOR INSTALLATION ASSISTANCE.

THE CONTRACTOR IS TO SCHEDULE THE ENGINEER REPRESENTING THE HPTRM TO INSPECT THE SITE PREPARATION PRIOR TO INSTALLATION AND THE COMPLETED INSTALLATION AND PROVIDE A CERTIFIED LETTER STATING THE SITE MEETS THE MANUFACTURER'S RECOMMENDATIONS.

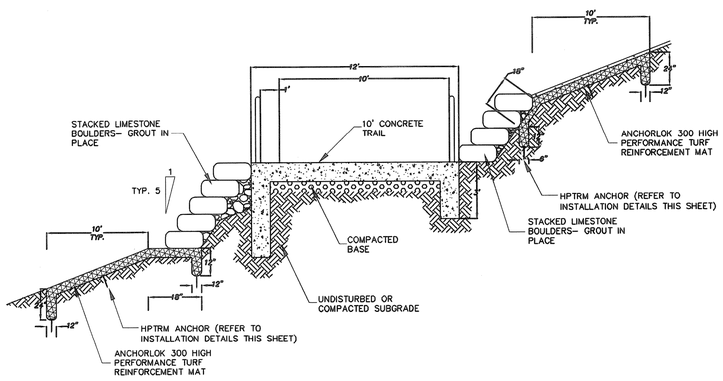
A. INSTALL THE HPTRM AT ELEVATION AND ALIGNMENT INDICATED.
B. THE HPTRM IS TO BE SOILED FILLED WITH ½" OF TOP SOIL, AND VEGETATED BY PLACING SOD DIRECTLY ON TOP AND SECURE SOD WITH 8" STAPLES.
C. BEGINNING AT DOWNSTREAM END IN CENTER OF CHANNEL, PLACE INITIAL END OF FIRST ROLL OF HPTRM IN ANCHOR TRENCH AND SECURE WITH GROUND ANCHOR DEVICES AT 12-INCH INTERVALS.
D. POSITION ADJACENT ROLLS IN ANCHOR TRENCH IN SAME MANNER, OVERLAPPING PROCEEDING ROLL MINIMUM 3 INCHES.
E. SECURE THE HPTRM AT 12-INCH INTERVALS ALONG THE TRENCH, BACKFILL AND COMPACT WITH SPECIFIED SOIL OR AS DIRECTED BY THE ENGINEER.
F. UNROLL CENTER STRIP OF HPTRM UPSTREAM OVER COMPACTED TRENCH. STOP AT NEXT CHECK SLOT OR TERMINAL ANCHOR TRENCH. UNROLL ADJACENT ROLLS OF HPTRM UPSTREAM IN SIMILAR FASHION, MAINTAINING 3-INCH OVERLAP.
G. FOLD AND SECURE THE HPTRM SNUGLY INTO TRANSVERSE CHECK SLOTS. LAY MATERIAL IN BOTTOM OF SLOT, AND THEN FOLD IT BACK AGAINST ITSELF AS INDICATED. ANCHOR THROUGH BOTH LAYERS OF HPTRM AT 12-INCH INTERVALS. BACKFILL WITH SOIL AND COMPACT. CONTINUE UNROLLING THE HPTRM WIDTHS UPSTREAM OVER COMPACTED SLOT TO NEXT CHECK SLOT OR TERMINAL ANCHOR TRENCH.
H. SECURE HPTRM TO CHANNEL BOTTOM WITH GROUND ANCHORING DEVICES AT A FREQUENCY OF 2½ ANCHORS PER SQUARE YARD. ANCHORS SHOULD BE A MINIMUM OF 8 GAUGE AND 8" IN LENGTH OR SO THAT THEY HAVE SUFFICIENT GROUND PENETRATION TO RESIST PULLOUT IN A SATURATED CONDITION. INCREASED ANCHORING FREQUENCY MAY BE REQUIRE DIF SITE CONDITIONS ARE SUCH THAT THE ENGINEER DETERMINES IT NECESSARY.
I. AT THE ENGINEER'S DISCRETION, A MANUFACTURER'S DESIGNATED REPRESENTATIVE SHALL BE ON SITE FOR INSTALLATION ASSISTANCE.
J. ANY INSTALLATION OF ANGULAR PLACEMENT, OVERLAPPING AROUND CURVES, OR MODIFIED PLACEMENT METHODS MUST BE DETAILED ON THE CONSTRUCTION DRAWINGS.
K. THE ENGINEER MUST APPROVE ALTERNATE INSTALLATION METHODS PRIOR TO EXECUTION.

4.3 IRRIGATION, MOWING AND PROJECT ACCEPTANCE

PRIOR TO PROJECT ACCEPTANCE BY THE OWNER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A MINIMUM OF 70% OF THE AREA SEEDED SHALL BE COVERED WITH THE SPECIFIED VEGETATION WITH NO BARE OR DEAD SPOTS GREATER THAN 10 SQUARE FEET. THE CONTRACTOR SHALL BE RESPONSIBLE TO SET UP AND MAINTAIN TEMPORARY IRRIGATION, AS REQUIRED, TO ASSIST IN ESTABLISHMENT OF VEGETATION.

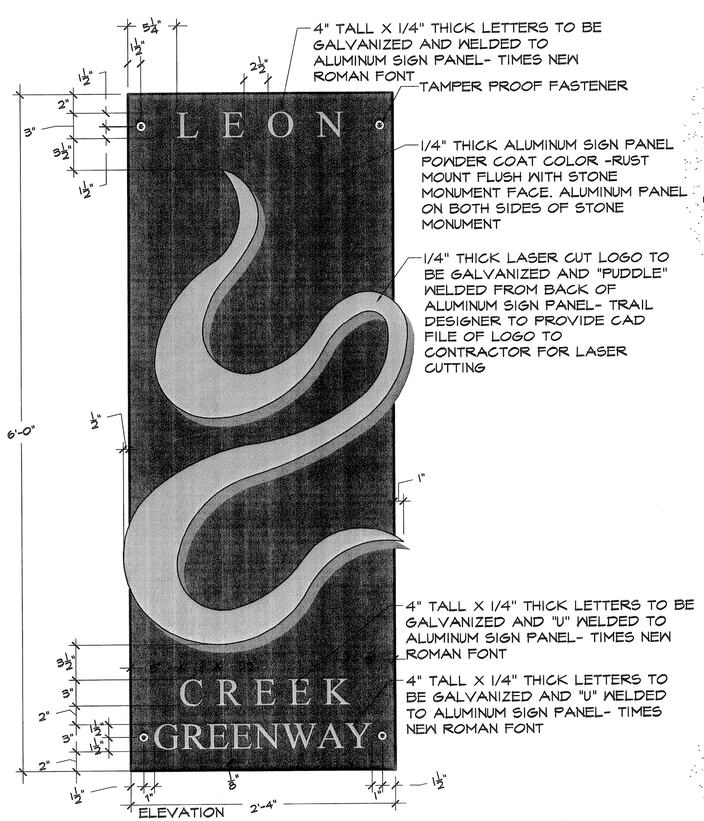
ALL AREAS THAT ERODE PRIOR TO PROJECT ACCEPTANCE SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR INCLUDING NECESSARY RESEEDING, WATERING, AND REPAIRING OF THE HPTRM.

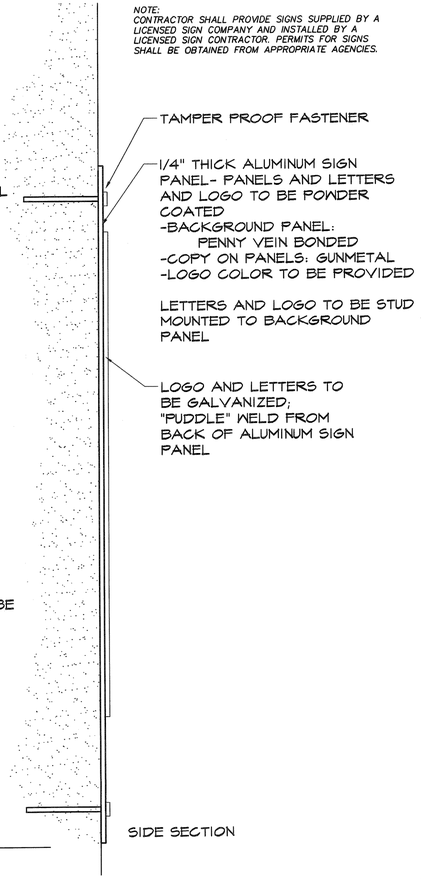
VEGETATED AREAS SHALL NOT BE MOWED PRIOR TO ESTABLISHMENT OF 70% VEGETATIVE DENSITY AND A MINIMUM GRASS GROWTH OF 3 INCHES. MOWER HEIGHT SHALL NOT BE SET LOWER THAN 3 INCHES. THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOWING TO FACILITATE GROWTH AND SHALL NOT LET THE VEGETATION IN THE SEEDED AREAS EXCEED 18". IN ADDITION THE CONTRACTOR SHALL WATER



2 SECTION 'A-A'

NTS





4 LEON CREEK GREENWAY SIGN

1-1/2" = 1'-0" (TWO SIDED)

NO.	DATE	DESCRIPTION
4		
3		ADDED SIGN NOTES AND REVISED LEON CREEK SIGN DETAILS.
2	6/24/11	
1	6/02/11	ADDED EROSION CONTROL MATTING DETAILS.

REVISIONS

DRAWN BY:
CHECKED BY:
APPROVED BY:
FILE NO:
FILE LOCATION:

KARA J. HEASLEY
92590
LICENSED PROFESSIONAL ENGINEER
6/24/11

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

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

EROSION CONTROL MATTING DETAILS

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"= NA
Horizontal 1"= NA

SHEET D2.03 OF 78

PROJ NO. 2066–001

Jun 24, 2011 – 12:10pm
R:\2066-001\SN_Details.dwg

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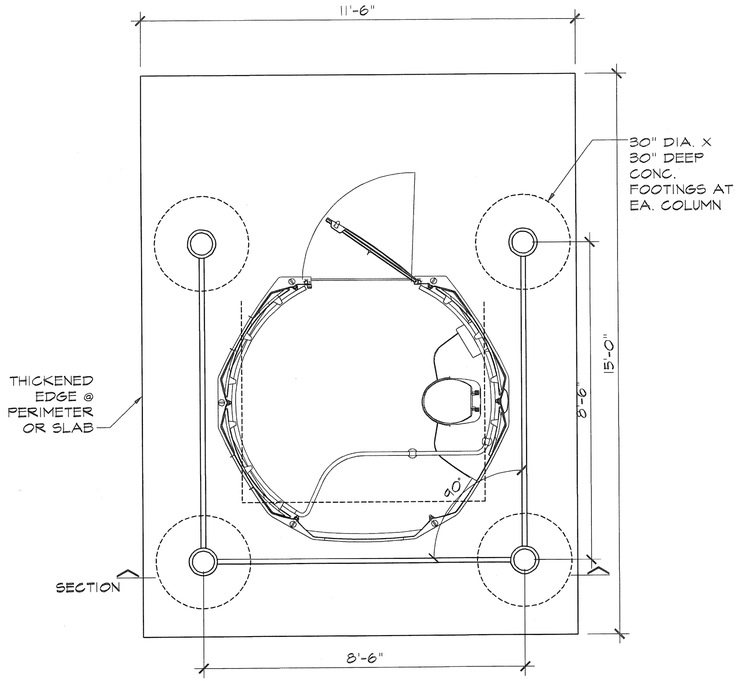
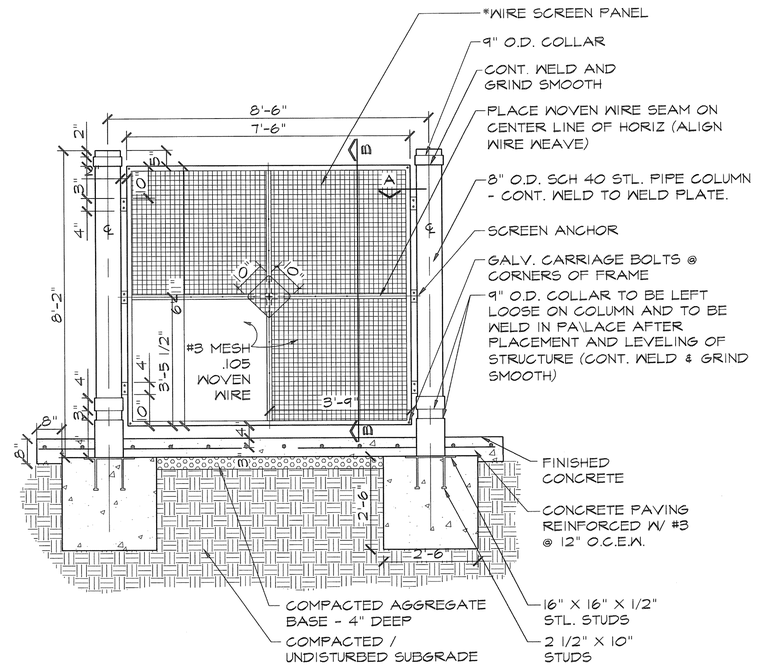
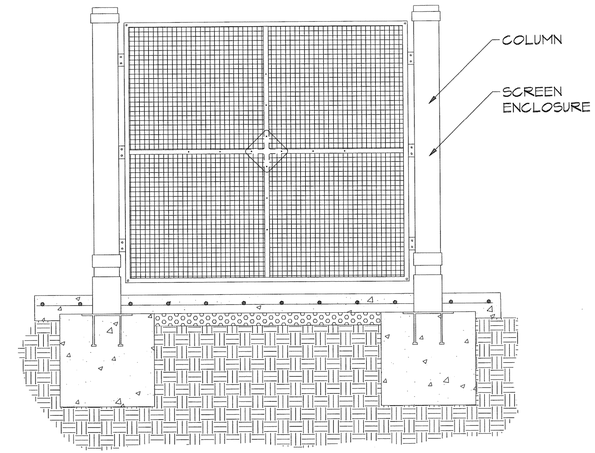


1 PLAN: SINGLE TOILET ENCLOSURE
1/2" = 1'-0"



* DESIGNER OPTION TO UTILIZE PERFORATED METAL PANEL OF THICKNESS 1/8" MIN. - 3/16" MIN.

2 SECTION: SINGLE TOILET ENCLOSURE
1/2" = 1'-0"



3 SECTION: TOILET ENCLOSURE
1/2" = 1'-0"

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
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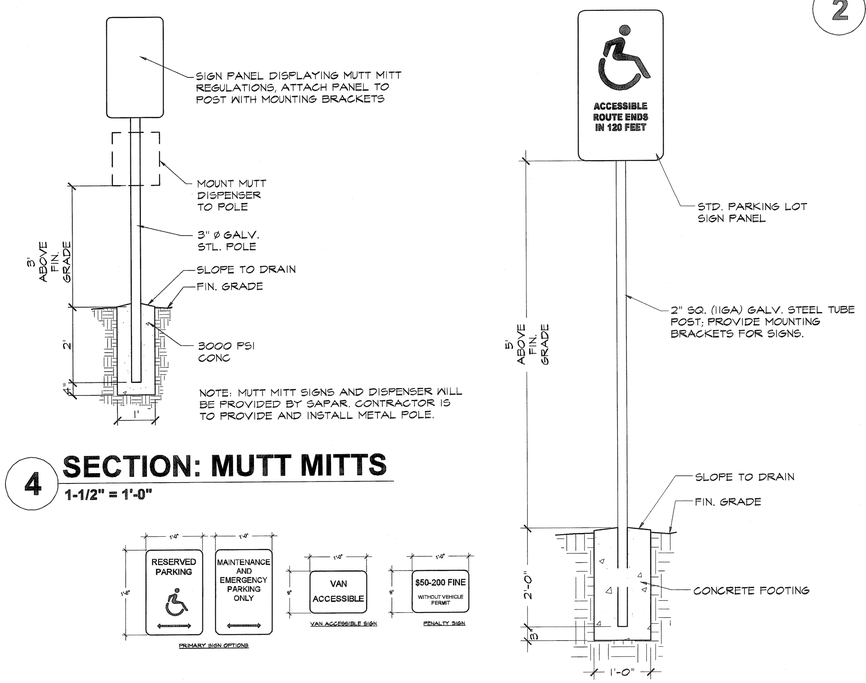
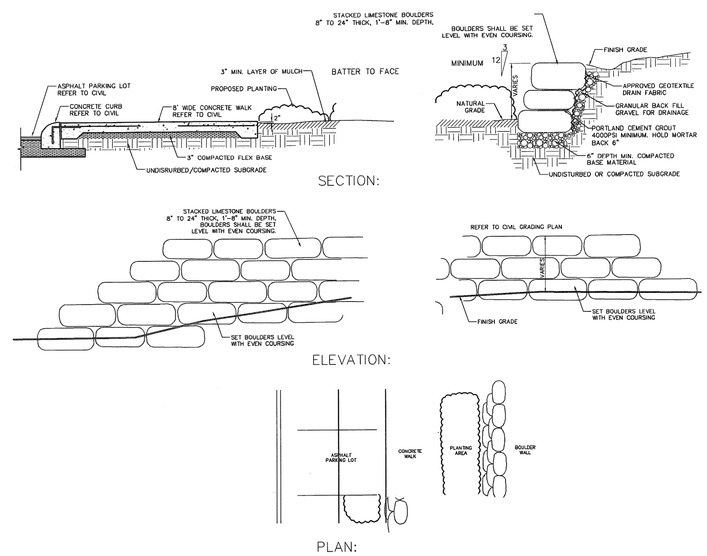


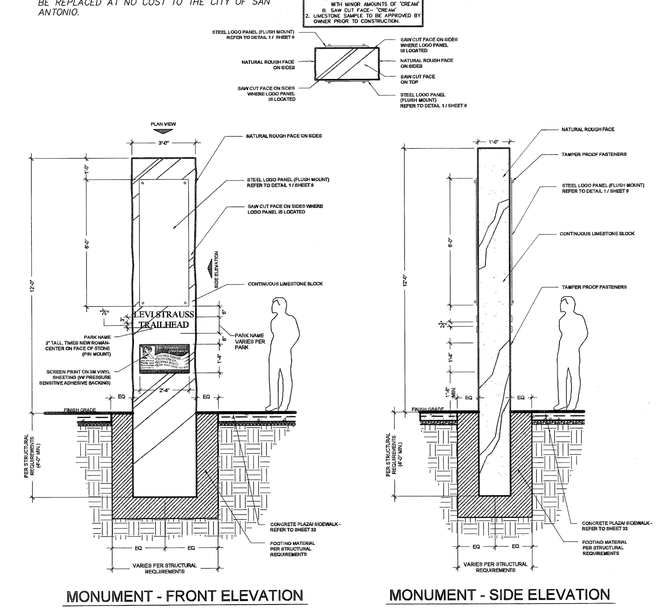
4 SECTION: MUTT MITTS
1-1/2" = 1'-0"

5 SECTION: ACCESSIBLE ROUTE SIGN
3/4" = 1'-0"



6 BOULDER RETAINING WALL
3/4" = 1'-0"

NOTE:
REFER TO SPECIFICATIONS FOR ANTI-GRAFFITI COATING ON ALL SITE FURNISHINGS & SIGNS.



MONUMENT - FRONT ELEVATION

MONUMENT - SIDE ELEVATION

7 ENTRY MONUMENT SIGN
3/8" = 1'-0"

NO.	DATE	DESCRIPTION
4		
3		
2	6/24/11	ADDED SIGN NOTES
1		

REVISIONS

DRAWN BY:
CHECKED BY:
APPROVED BY:
FILE NO:
FILE LOCATION:

KARA J. HEASLEY
92590
LICENSED
PROFESSIONAL ENGINEER
6/24/11

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CONSULTING ENGINEERS
12940 Country Parkway
San Antonio, Texas 78216
Voice (210) 349-3271 Fax: (210)349-2561
Firm Registration No.: F-1759

PREPARED FOR:
San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

SITE FURNISHINGS

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1" = NA
Horizontal 1" = NA

SHEET D2.05 OF 78

PROJ NO. 2066-001

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JAN 24, 2011 – 10:13am
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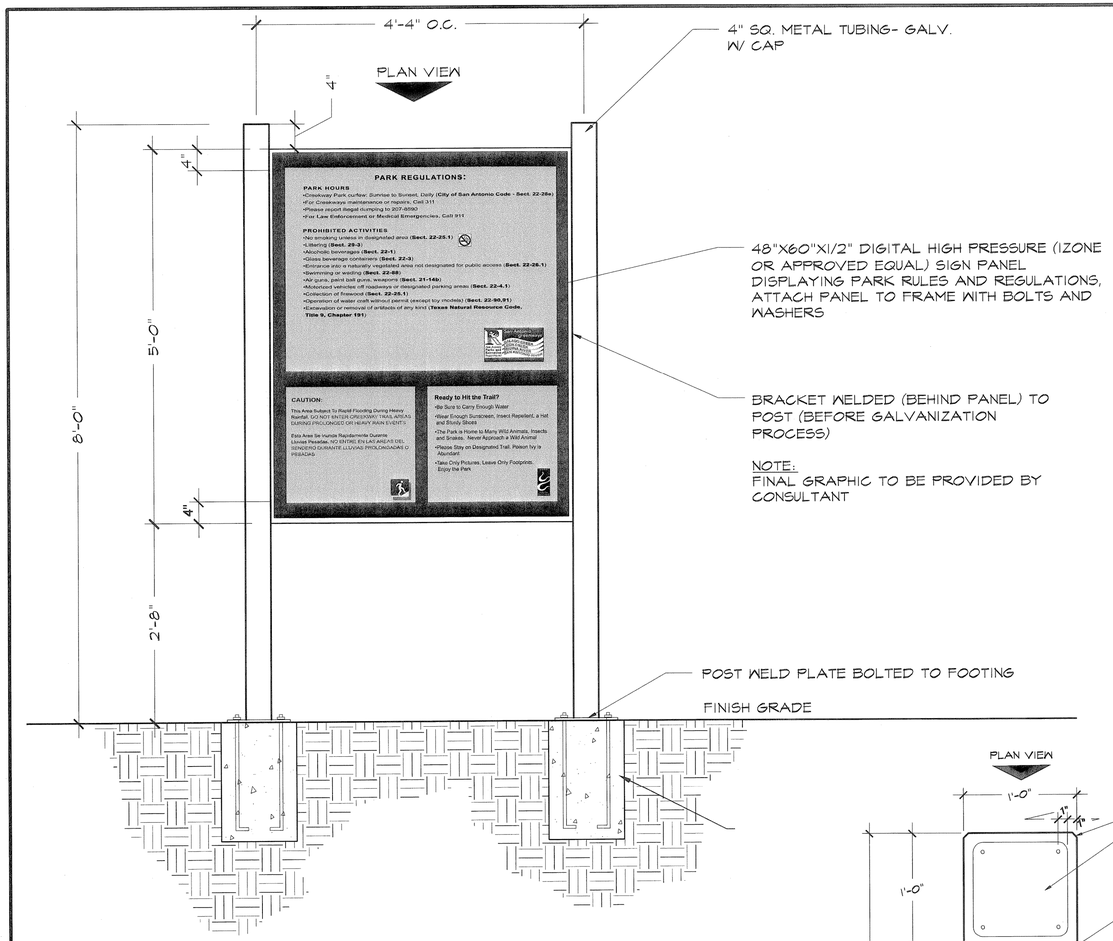
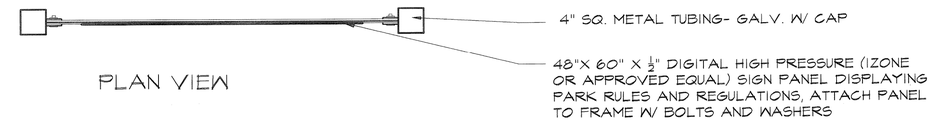


1 SECTION: REGULATORY SIGN
1" = 1'-0"



2 PLAN: REGULATORY SIGN
1" = 1'-0"

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

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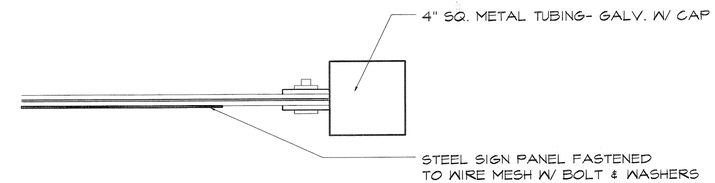
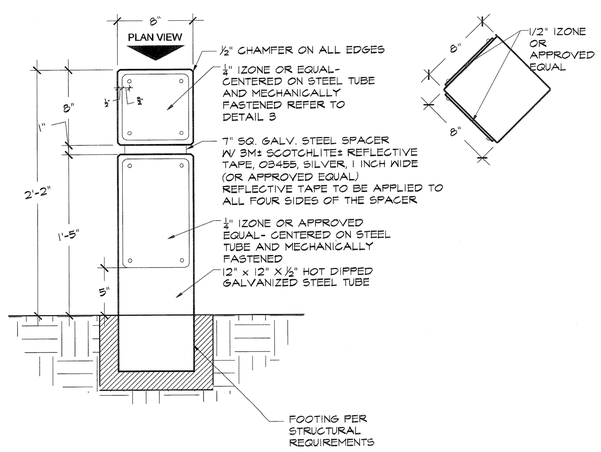
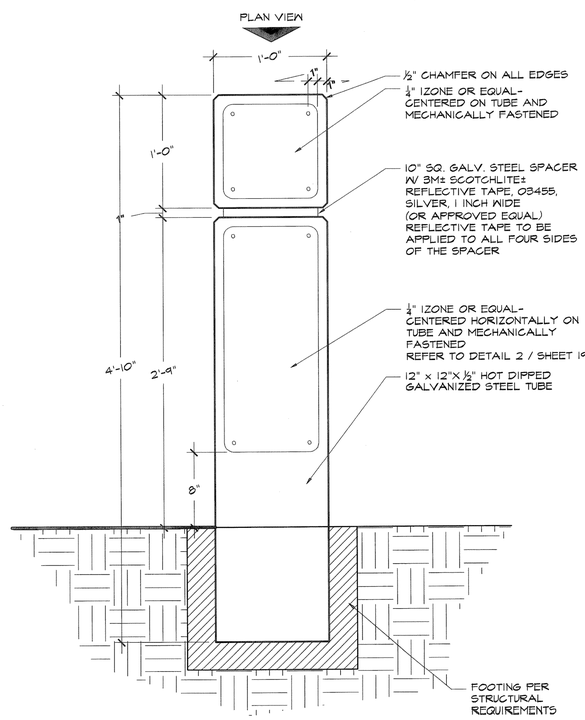


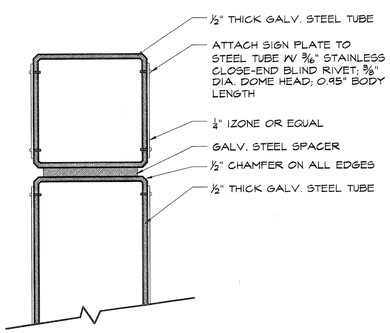
3 ENLARGED PLAN: REGULATORY SIGN
3" = 1'-0"



4 SECTION: QUARTER MILE MARKER SIGN
1" = 1'-0"

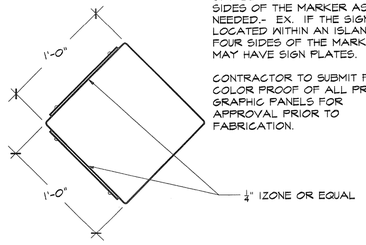


5 SECTION: MILE MARKER, CAUTION, WAYFINDING SIGN
1" = 1'-0"

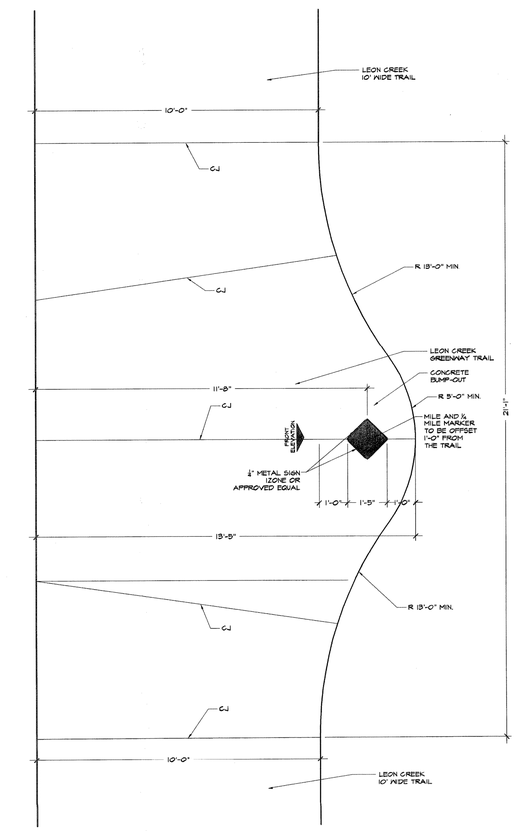


NOTES:
DEPENDING ON THE VIEWING LOCATIONS, METAL SIGN PLATES CAN BE MOUNTED TO AS MANY SIDES OF THE MARKER AS NEEDED.- EX. IF THE SIGN IS LOCATED WITHIN AN ISLAND, ALL FOUR SIDES OF THE MARKER MAY HAVE SIGN PLATES.

CONTRACTOR TO SUBMIT FULL COLOR PROOF OF ALL PRINTED GRAPHIC PANELS FOR APPROVAL PRIOR TO FABRICATION.



NOTE:
REFER TO SPECIFICATIONS FOR ANTI-GRAFFITI COATING ON ALL SITE FURNISHINGS & SIGNS.



6 PLAN: TRAIL MILE MARKER
3/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS

SITE SIGNAGE DETAILS

LEON CREEK GREENWAY SOUTHERN SEGMENT

NO.	DATE	DESCRIPTION
4		
3		
2	6/24/11	ADDED SIGN NOTES
1		

REVISIONS

DRAWN BY: | CHECKED BY: | APPROVED BY: | FILE NO. | FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

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Firm Registration No.: F-159

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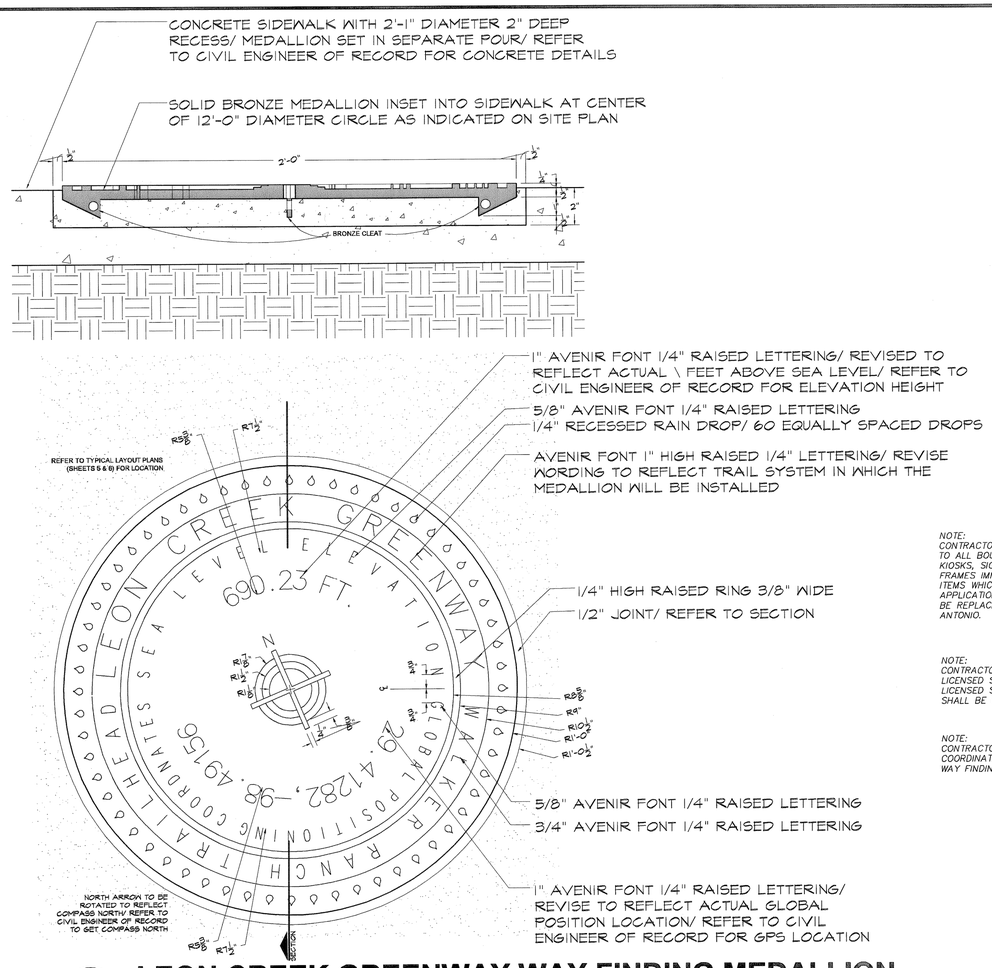
PREPARED FOR: San Antonio Parks and Recreation Department

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"= NA
Horizontal 1"= NA

SHEET D2.07 OF 78

PROJ NO. 2066-001

Jun 24, 2011 - 10:12am
R:\2066-001\Sh_Details.dwg



NOTE:
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NOTE:
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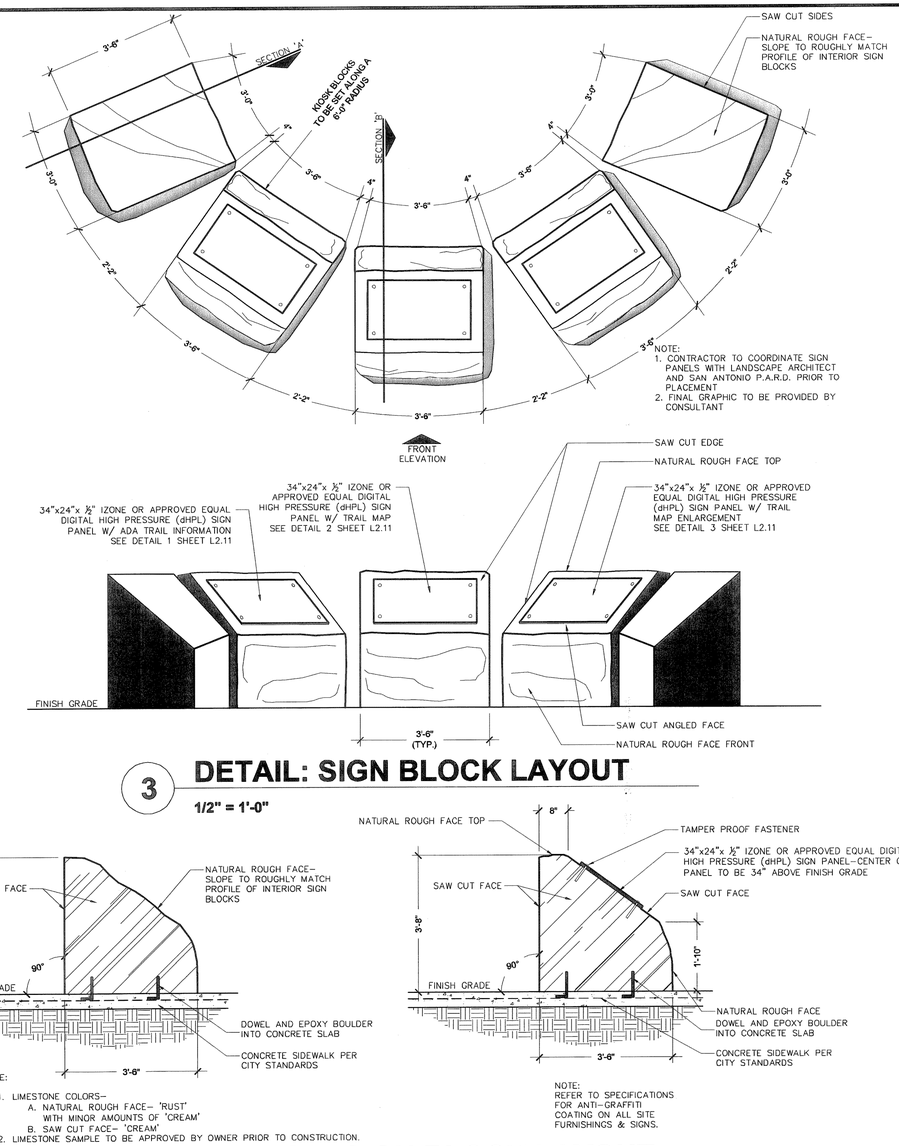
NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND OBTAINING COORDINATES FOR WAY FINDING MEDALLIONS.

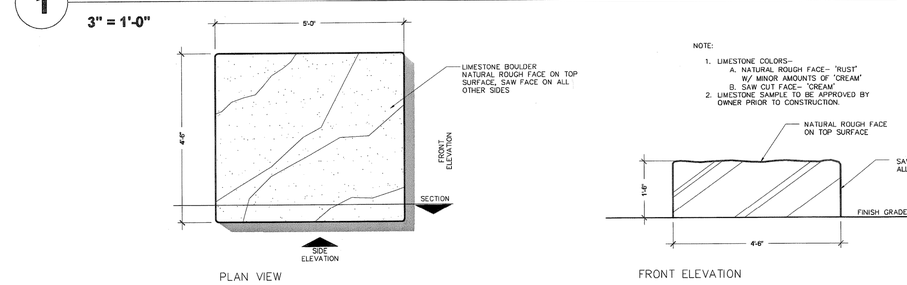
1 LEON CREEK GREENWAY WAY FINDING MEDALLION

3" = 1'-0"



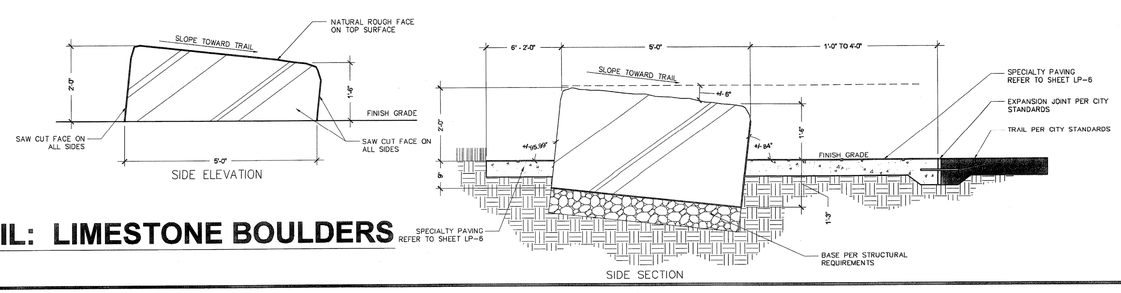
3 DETAIL: SIGN BLOCK LAYOUT

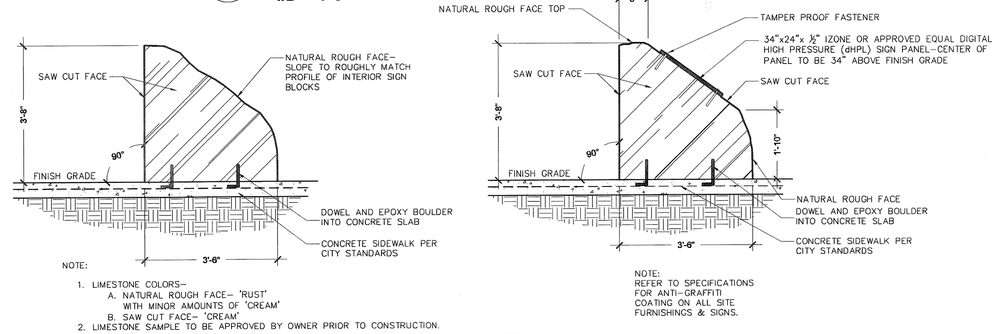
1/2" = 1'-0"



2 DETAIL: LIMESTONE BOULDERS

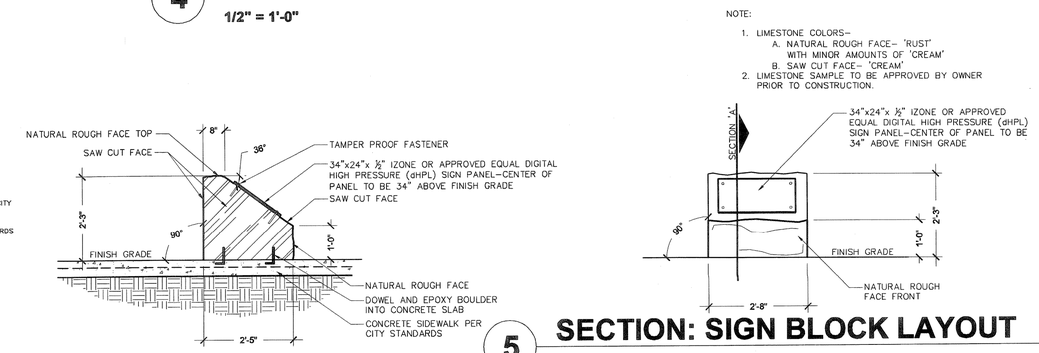
1/2" = 1'-0"





4 SECTION: SIGN BLOCK LAYOUT

1/2" = 1'-0"



5 SECTION: SIGN BLOCK LAYOUT

1/2" = 1'-0"

NO.	DATE	DESCRIPTION
4		
3		
2	6/24/11	ADDED SIGN & MEDALLION NOTES
1	6/02/11	UPDATED STREET CALLOUTS.

REVISIONS

DRAWN BY: | CHECKED BY: | APPROVED BY: | FILE NO. | FILE LOCATION:

KARA J. HEASLEY 92590 LICENSED PROFESSIONAL ENGINEER 6/24/11

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

© 2011

PREPARED FOR: San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

KIOSK SIGNAGE

LEON CREEK GREENWAY SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"= NA
Horizontal 1"= NA

SHEET D2.08 OF 78

PROJ NO. 2066-001

Jun 24, 2011 – 10:20am
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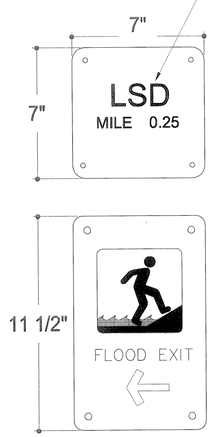
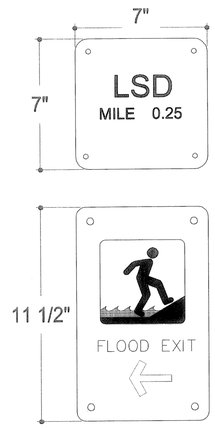
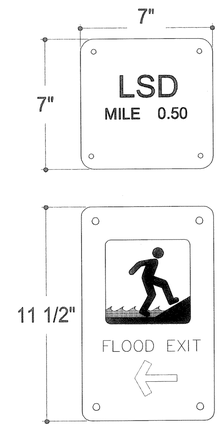
TEXT;
FONT = AVENIR
(UPPER CASE)
HEIGHT = $\frac{3}{4}$"



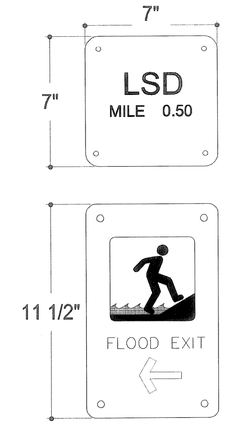
1A 1/4 Mile Marker 0.25 (A)
NTS



1B 1/4 Mile Marker 0.25 (B)
NTS



2A 1/4 Mile Marker 0.50 (A)
NTS



2B 1/4 Mile Marker 0.50 (B)
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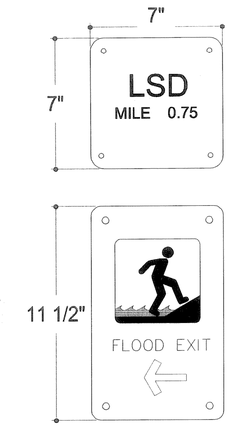
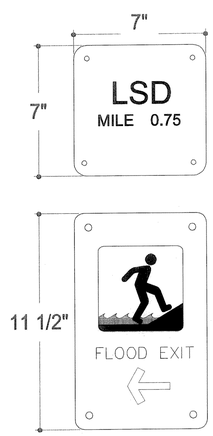
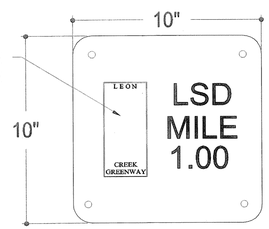


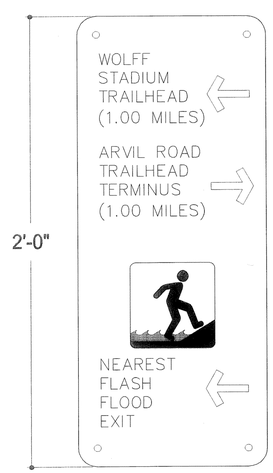
3A 1/4 Mile Marker 0.75 (A)
NTS



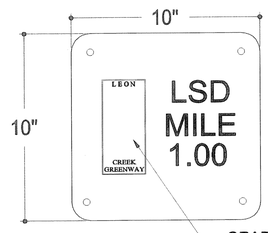
3B 1/4 Mile Marker 0.75 (B)
NTS

GRAPHIC LOGO: ART WORK TO BE PROVIDED AS AN ELECTRONIC FILE

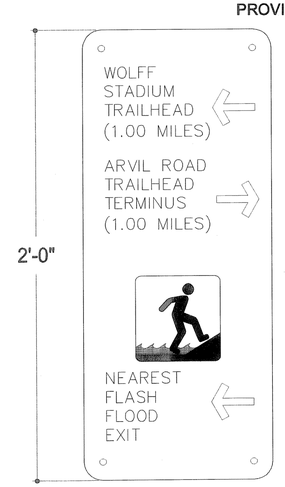




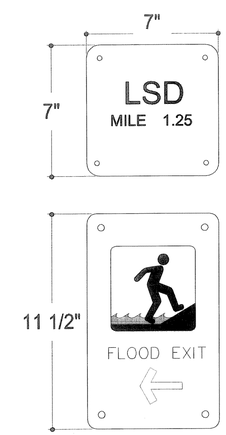
4A Mile Marker 1.00 (A)
NTS



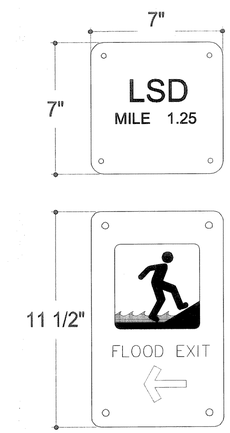
GRAPHIC LOGO: ART WORK TO BE PROVIDED AS AN ELECTRONIC FILE



4B Mile Marker 1.00 (B)
NTS



5A 1/4 Mile Marker 1.25 (A)
NTS



5B 1/4 Mile Marker 1.25 (B)
NTS

NOTE:
COLOR & LOGO TO MATCH PREVIOUS LEON CREEK TRAILS PROJECTS.
SUBMIT FULL COLOR PROOFS OF ALL ARTWORK & GRAPHICS FOR REVIEW & APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
ALL DIRECTIONAL ARROWS SHALL BE VERIFIED IN THE FIELD.

NOTE:
CONTRACTOR SHALL APPLY ANTI-GRAFFITI COATING TO ALL BOULDER SEATING, RETAINING WALLS, KIOSKS, SIGNS, AND MILE-MARKERS AND THEIR FRAMES IMMEDIATELY AFTER INSTALLATION. ANY ITEMS WHICH ARE VANDALIZED PRIOR TO THE APPLICATION OF THE ANTI-GRAFFITI COATING SHALL BE REPLACED AT NO COST TO THE CITY OF SAN ANTONIO.

NOTE:
CONTRACTOR SHALL PROVIDE SIGNS SUPPLIED BY A LICENSED SIGN COMPANY AND INSTALLED BY A LICENSED SIGN CONTRACTOR. PERMITS FOR SIGNS SHALL BE OBTAINED FROM APPROPRIATE AGENCIES.

LANDSCAPE ARCHITECT
Bender Wells Clark Design
830 North Alamo Street
San Antonio, Tx. 78215
Tel.: 210 692-6221

REGISTERED LANDSCAPE ARCHITECT
LAWRENCE C. CLARK
STATE OF TEXAS

LAWRENCE C. CLARK
LANDSCAPE ARCHITECT
1211
TX REGISTRATION NO.
JANUARY 21 2011
DATE

NO.	DATE	DESCRIPTION
1	6/24/11	ADDED SIGN NOTES
2		
3		
4		

REVISIONS

DRAWN BY:
CHECKED BY:
APPROVED BY:
FILE NO:
FILE LOCATION:

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

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PREPARED FOR:
San Antonio Parks and Recreation Department

100% CONSTRUCTION DOCUMENTS

LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"=
Horizontal 1"=

SHEET WF-1 OF 78

PROJ NO. 2066-001

Jan 21, 2011 12:24pm
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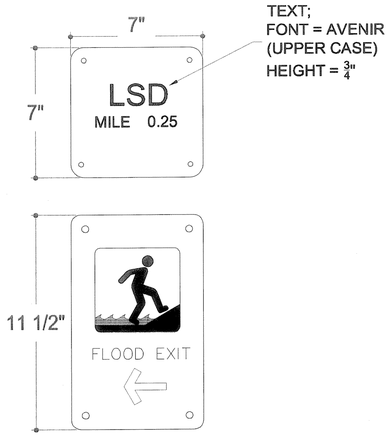

6A 1/4 Mile Marker 1.50 (A)
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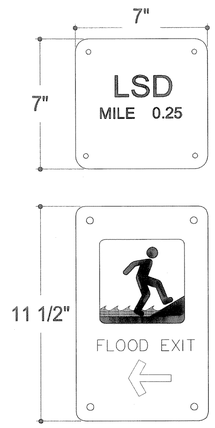
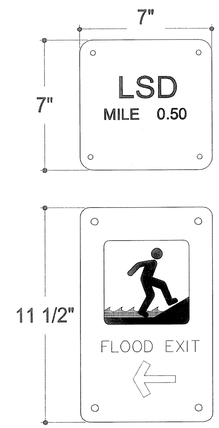


6B 1/4 Mile Marker 1.50 (B)
NTS



7A 1/4 Mile Marker 1.75 (A)
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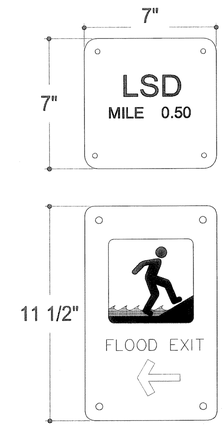

7B 1/4 Mile Marker 1.75 (B)
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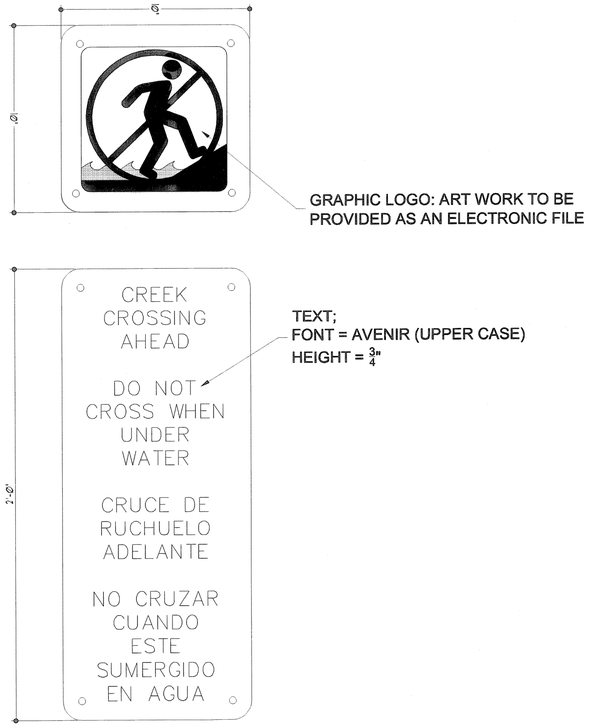

8 CREEK CROSSING SIGN
NTS

NOTE:
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LAWRENCE C. CLARK
LANDSCAPE ARCHITECT
1211
TX REGISTRATION NO.
JANUARY 21 2011
DATE

DATE	NO.	DESCRIPTION
6/24/11	1	ADDED SIGN NOTES
	2	
	3	
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REVISIONS

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LEON CREEK GREENWAY
SOUTHERN SEGMENT

PLAT NO.
DATE: JANUARY 2011
SCALE
Vertical 1"=
Horizontal 1"=
0

SHEET WF-2 OF 78
PROJ NO. 2066-001

LANDSCAPE ARCHITECT
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San Antonio, Tx. 78215
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Jan 21, 2011 - 4:25pm
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