Agenda Item VIII
MRCA
11/4/09

MOUNTAINS RECREATION AND CONSERVATION AUTHORITY

BALLONA CREEK TRAIL AND PATH

INGLEWOOD BLVD. / MC CONNELL AVE. / SEPULVEDA BLVD.

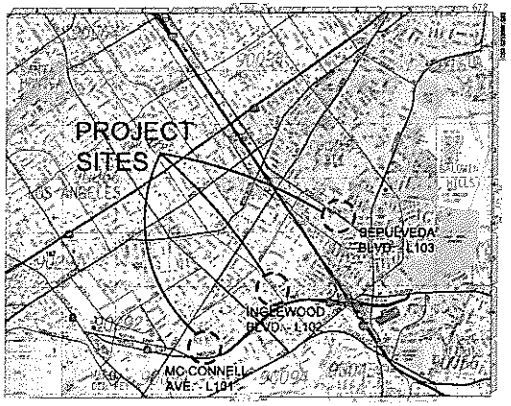
NOTICE TO CONTRACTORS (B Permit)

1. SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK") AND THE CORRESPONDING "ADDITIONS AND AMENDMENTS TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("BROWN BOOK").
2. THIS IMPROVEMENT ONLY INCLUDES WORK CALED FOR ON THIS PLAN.
3. INSPECTION: ALL WORK AND MATERIALS ARE SUBJECT TO INSPECTION PURSUANT TO SECTION 2-10 OF THE STANDARD SPECIFICATION. CALL (213) 485-5080 BEFORE NOON OF THE WORKING DAY BEFORE THE INSPECTION IS REQUIRED.
4. THE CONTRACTOR IN CONFORMANCE WITH LOS ANGELES CITY ORD HANDY NO. 150,478 SHALL POTHOLE EXISTING SUBSURFACE INSTALLATIONS CARRYING UNSTABLE SUBSTANCES TO DETERMINE THEIR LOCATION AND ELEVATIONS PRIOR TO COMMENCING EXCAVATION. RESURFACING SHALL BE DONE IN ACCORDANCE TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. CURB AND GUTTER: REPAIR AND/OR REPLACE ANY EXISTING BROKEN OR OFF GRADE CONCRETE CURB, GUTTER, SIDEWALK OR STREET PAVEMENT IMMEDIATELY ADJACENT TO OR WITHIN THE AREA OF THIS IMPROVEMENT TO THE SATISFACTION OF THE CITY ENGINEER.
6. IN ADDITION TO THE CONSTRUCTION OF PAVEMENT SHOWN HEREON, WORK REQUIRED UNDER THIS PLAN WILL ALSO INCLUDE THE CONSTRUCTION OF PERMANENT TRENCH RESURFACING IN ALL AREAS WHERE UTILITY LINES HAVE BEEN INSTALLED TO SERVE THIS DEVELOPMENT. CONDITIONS OF TRENCH BACKFILL AND RESURFACING SHALL BE AS SPECIFIED ON THE EXCAVATION PERMIT.
7. REMOVALS: A) REMOVE ALL EXISTING IMPROVEMENTS THAT INTERFERE WITH THE CONSTRUCTION OF THIS PROJECT. B) ALL UTILITIES SHALL BE REMOVED OR RELOCATED BY OTHERS.
8. NOTIFICATION: AT LEAST TEN (10) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY, IN WRITING, ABUTTING PROPERTY OCCUPANTS OF THE PROPOSED CONSTRUCTION START DATE. A COPY OF SAID WRITTEN NOTIFICATION SHALL BE PROVIDED TO THE INSPECTOR FOR APPROVAL BEFORE THEY ARE DISTRIBUTED TO THE OCCUPANTS OF THE ABUTTING PROPERTY.
9. STANDARD PLANS FOR THIS PROJECT:
   - S-610- BROWN BOOK
   - S-627-0 SYMBOLS FOR CONSTRUCTION NOTES
   - S-939-0 TREE STAKING AND GUYING DETAILS
   - S-791-1 ADVANCE CONSTRUCTION NOTICE SIGNS
10. ADVANCE CONSTRUCTION NOTICE SIGNS: IN ADDITION TO SIGNS REQUIRED BY THE PROVISIONS OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH), LATEST EDITION, SIGNS FOR GIVING ADVANCE NOTICE TO MOTORISTS OF TRAFFIC DISRUPTION, MUST BE FURNISHED AND PLACED AS A PART OF THIS PROJECT IN ACCORDANCE WITH STANDARD PLAN S-791-1.
11. CONSTRUCTION STAKES FOR CURB AND LONGITUDINAL GUTTER, WITH GRADE LEAS THAN 0.5% SHALL BE SET 12.5 FEET ON CENTER.
12. ANY LOT DRAINING ONTO THE STREET SHALL DO SO AT A CONCRETE DRIVEWAY OR AN APPROVED DRAINAGE DEVICE OR OUTLET STRUCTURE.
13. UNDERGROUND SERVICE ALERT:
    BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (USA) INQUIRY I.D. NUMBER BY CALLING (800) 227-2600, TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE CONTRACTOR STARTS THE EXCAVATION WORK SO THAT UTILITY OWNERS CAN BE NOTIFIED. IF THE UTILITY OWNER IS THE CITY OF L.A., A CONFIRMATION NUMBER INDICATING THE CITY HAS BEEN NOTIFIED SHALL BE OBTAINED BY USA AND/OR THE CONTRACTOR FROM THE APPROPRIATE CITY DEPARTMENT. THE I.D. NUMBER TOGETHER WITH THE DATE ACQUIRED SHALL BE REPORTED TO THE BUREAU OF CONTRACT ADMINISTRATION WHEN CALLING FOR INSPECTION. I.D. NUMBERS WILL NOT BE GIVEN MORE THAN 10 DAYS BEFORE STARTING EXCAVATION WORK.
14. AT LEAST THIRTY (30) DAYS BEFORE THE START OF CONSTRUCTION THE CONTRACTOR/ENGINEER SHALL CONTACT BUREAU OF STREET SERVICES, COORDINATION SECTION AT (213) 485-6991 TO VERIFY THAT THERE IS NO PROPOSED PROJECT IN THIS AREA.
15. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) ADOPTED BY THE BOARD OF PUBLIC WORKS FOR THE CITY OF LA.
16. SURVEY BENCH MARK:
    B.M. NO. 57-17052, ELEVATION 33.172, YEAR 1986
    DESCRIPTION: PIPE SPIKE IN E CURB OF CULVER BL, 7-FT N OF ELY DRIVEWAY TO BLDG NO. 12970, 0.15 MI ELY FROM MCCONNELL AVE.
17. WARNING TO IMPERMITEE:
    IF YOU WISH TO CONSTRUCT A DRIVEWAY THAT MAY REQUIRE REMOVAL OF A STREET TREE, YOU MUST CONTACT THE URBAN FORESTRY DIVISION AT (213) 847-3693 FOR PRIOR APPROVAL REMOVAL OF A STREET TREE WITHOUT A PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR DRIVEWAY PERMIT NULL AND VOID.
18. ROOT TRIMMING:
    TREE(S) MUST BE TRIMMED PRIOR TO ROOT PRUNING TO COMPENSATE FOR THE ROOT LOSS AND TO STABILIZE THE TREE. THE CROWN OF THE TREE IS TO BE REDUCED BY NO MORE THAN 25% OF FOLIAGE (UNLESS APPROVED OTHERWISE BY AN URBAN FORESTRY ARBORIST). PRUNE THE ROOTS ON ONE SIDE OF THE ROOT SYSTEM ONLY (UNLESS APPROVED OTHERWISE BY AN URBAN FORESTRY ARBORIST). DO NOT PRUNE ROOTS LARGER THAN 4" IN DIAMETER (PERMIT IS REQUIRED).

    CONTRACTOR IS TO TRIM THE TREE(S) TO THE SATISFACTION OF THE URBAN FORESTRY DIVISION USING ANSI A300 STANDARDS AND/OR ISA PRUNING DETAILS GUIDELINES. (PERMIT IS REQUIRED).

    NOTIFY THE URBAN FORESTRY DIVISION AT (213) 485-5675, FIVE WORKING DAYS PRIOR TO TRIMMING AND/OR ROOT PRUNING FOR A REPRESENTATIVE TO INSPECT AND ISSUE THE NECESSARY PERMITS.

IMPORTANT NOTICE:
ALL REQUIRED PUBLIC IMPROVEMENTS MUST BE COMPLETED BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF OCCUPANCY WILL BE ISSUED FOR THIS PROJECT PER ORDINANCE NO.165081



Thomas Guide page 672 – Grids D7, E5, & G4

NORTH

GENERAL NOTES

1. INSPECTIONS
   IN ADDITION TO INSPECTIONS REQUIRED BY THE STANDARD PLANS, AND SPECIFICATIONS, THE FOLLOWING INSPECTIONS ARE REQUIRED:
   - APPROVAL OF ALL PLANT MATERIAL AT THE SITE PRIOR TO PLANTING OPERATIONS
   - CONFIRMATION & APPROVAL OF PLANT MATERIAL LOCATION AND SPACING PRIOR TO PLANTING
   - PRE-MAINTENANCE FINAL LANDSCAPE INSPECTION
   - POST-MATERIAL FINAL LANDSCAPE INSPECTION
2. AS BUILT DRAWINGS
   THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT DRAWINGS TO THE PROJECT ENGINEER/LANDSCAPE ARCHITECT AT THE START OF THE PLANT ESTABLISHMENT PERIOD. THE AS-BUILT DRAWINGS SHALL BE MAINTAINED DAILY THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE AVAILABLE AT ALL JOB MEETINGS. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED ON A FULL SIZE SET OF PLANS WITH ALL VALVE LOCATIONS, PIPING, SLEEVES, ELECTRICAL WIRING, AND ANY DEVIATIONS FROM THE ORIGINAL PLAN CONFIGURATION, CLEARLY IDENTIFIED AND DIMENSIONED. THE PLANT ESTABLISHMENT PERIOD WILL NOT BEGIN UNTIL AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED.
3. PERMITS AND INSPECTIONS
   THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS
4. ALL LANDSCAPE AND IRRIGATION WORK SHALL BE PERFORMED BY A LICENSED LANDSCAPE CONTRACTOR.
5. THE CONTRACTOR SHALL ARRANGE AND PAY FOR THE INSTALLATION AND THE CONSTRUCTION OPERATING COSTS OF THE FOLLOWING SERVICES.
   1. 2" WATER SERVICE - SEE PLAN FOR LOCATION
   2. ELECTRICAL SERVICE - SEE PLAN FOR LOCATION
6. THE CONTRACTOR SHALL OBTAIN THE CERTIFICATE OF OCCUPANCY FROM THE DEPARTMENT OF BUILDING AND SAFETY PRIOR TO FINAL PAYMENT. PLEASE NOTE: ALL BUILDING AND SAFETY INSPECTIONS, INCLUDING THE FINAL INSPECTION ARE REQUIRED PRIOR TO OBTAINING THE CERTIFICATE OF OCCUPANCY
7. THE CONTRACTOR SHALL PROVIDE PRELIMINARY AND FINAL LIEN RELEASES FROM ALL SUBCONTRACTORS PRIOR TO FINAL PAYMENT.
8. THE CONTRACTOR SHALL CONTACT GEOTECHNICAL SERVICES FOR THE FOLLOWING CERTIFICATIONS:
   1. WALL FOOTINGS COMPACTION TESTS
   2. FILL CERTIFICATIONS AND INSPECTIONS
   3. APPROVAL & CERTIFICATION OF IMPORT SOIL AND SOURCE
9. THE CONTRACTOR SHALL CONTACT THE BUILDING AND SAFETY GRADING INSPECTOR BEFORE ANY GRADING BEGINS. FOR BOTTOM INSPECTION, AND BEFORE ANY FILL IS PLACED. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE GRADING INSPECTOR.
10. IN THE EVENT EXCAVATIONS REVEAL UNFAVORABLE CONDITIONS, CONTACT GEOTECHNICAL SERVICES.
11. CONTRACTOR SHALL BE RESPONSIBLE FRO MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND AND OVERHEAD UTILITIES, PIPES, AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
12. STREETS, SIDEWALKS AND ADJACENT PROPERTY SHALL BE PROTECTED THROUGHOUT THE WORK AS REQUIRED BY LOCAL CODES AND REGULATIONS AND APPROVED BY THE PROJECT ENGINEER.
13. REFER TO CITY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
14. ALL WORK AND PORTIONS OF THE PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES.
15. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
16. ALL LIMITS OF WORK, PROPERTY LINES AND LOT LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
17. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER (14) DAYS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT OBSERVATION SCHEDULES.
18. FOR QUESTIONS REGARDING ISSUES PERTAINING TO THIS IMPROVEMENT, CONTACT ANA PETRUIC, MOUNTAINS RECREATION AND CONSERVATION AUTHORITY AT (323) 221-9944.

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SYMBOLS

PLANTING LABEL: QTY, SPECIE NAME, SIZE, COMMON NAME

IRRIGATION LABEL: CONTROL VALVE STATION NO., GPM, VALVE SIZE

CONSTRUCTION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUB-CONTRACTORS AS REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL PIPING, CONDUIT, SLEEVES, ETC., SHALL BE SET IN PLACE PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.
2. THE LOCATIONS OF FEATURES TO BE CONSTRUCTED NOT SPECIFICALLY DIMENSIONED MAY BE DETERMINED BY SCALE. IF CONFLICTS ARISE IN FIELD, CONTACT LANDSCAPE ARCHITECT FOR SOLUTION.
3. ALL DIMENSIONS ARE FROM OUTSIDE FACE OF PAVING, WALLS, ETC., UNLESS OTHERWISE NOTED ON PLANS.
4. ALL CURVED WALLS AND WALKS SHALL HAVE SMOOTH, CONTINUOUS CURVES AS INDICATED ON PLANS
5. PRIOR TO INSTALLATION OF ANY CONSTRUCTION ITEM, FORMS WITH STEEL IN PLACE SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT
6. INSTALL EXPANSION JOINTS ALONG BASE OF ALL WALLS AND BACK OF CURBS.
7. EXISTING BIKE PATH SHALL BE KEPT OPEN AND ACCESSIBLE WITH SIGNAGE TO BIKE TRAFFIC DURING CONSTRUCTION.
8. ANY DAMAGE TO BIKE PATH SHALL BE REPAIRED AND COORDINATED WITH LOS ANGELES DEPARTMENT OF TRANSPORTATION BIKE COORDINATOR MICHELLE MONTRY.

DEMOLITION NOTES

1. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH DEMOLITION AS SHOWN WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR OBJECTS EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS AND/OR OBJECTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
2. ALL EXISTING IMPROVEMENTS, MATERIALS AND PLANT MATERIAL TO REMAIN SHALL BE PROPERLY AND ADEQUATELY PROTECTED FROM DAMAGE DURING DEMOLITION OPERATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR RESTORE TO THE ORIGINAL CONDITION ANY OF THESE EXISTING ITEMS THAT ARE DAMAGED OR DISTURBED IN ANY WAY. ALL MATERIALS TO BE REUSED OR SALVAGED SHALL BE STORED IN AN AREA DESIGNATED BY THE OWNER FOR THAT PURPOSE. ALL SALVAGED MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER.
3. ALL MATERIALS SPECIFIED TO BE REMOVED S-HALL BE DISPOSED OF OFF-SITE PER LOCAL CODES AND REGULATIONS. CONTRACTOR SHALL COORDINATE METHOD OF DISPOSAL WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
4. DURING DEMOLITION OPERATIONS, EVERY EFFORT SHALL BE MADE TO CONTROL DUST AND NOISE PER CITY/COUNTY REQUIREMENTS.
5. REMOVE TREES AND SHRUBS WITHIN THE PROJECT LIMITS OF DEMOLITION AS AUTHORIZED IN THE FIELD BY THE LANDSCAPE ARCHITECT. TREES TO BE REMOVED WITHIN THE LIMITS OF DEMOLITION SHALL BE CLEARLY MARKED BY THE LANDSCAPE ARCHITECT BY MEANS OF A LENGTH OF BRIGHTLY COLORED RIBBON OR YARN.
6. EXISTING TREES TO REMAIN SHALL BE PROTECTED BY BARRICADES AS APPROVED BY THE OWNER, AND IF APPLICABLE, AS REQUIRED BY LOCAL JURISDICTIONS.

Underground Service Alert
CALL TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BALLONA CREEK TRAIL

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LANDSCAPE ARCHITECT SEAL

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KEY PLAN

NO.	DATE	ISSUED FOR	BY
6	6.24.2009	COUNTY RESUBMITTAL	JS
5	11.25.2008	CITY & STRCTL REVS/BID	JS
4	08.28.2008	CO. & FMD REVISION	JS
3	04.01.2008	REVISION	JS
2	07.03.2007	REVISION	SS
1	05.14.2007	REVISION	SS

BASE FILE NAME	G001
DRAWN BY	MM
CHECKED BY	SS
SCALE	NTS
DATE	
PROJECT NO.	7591

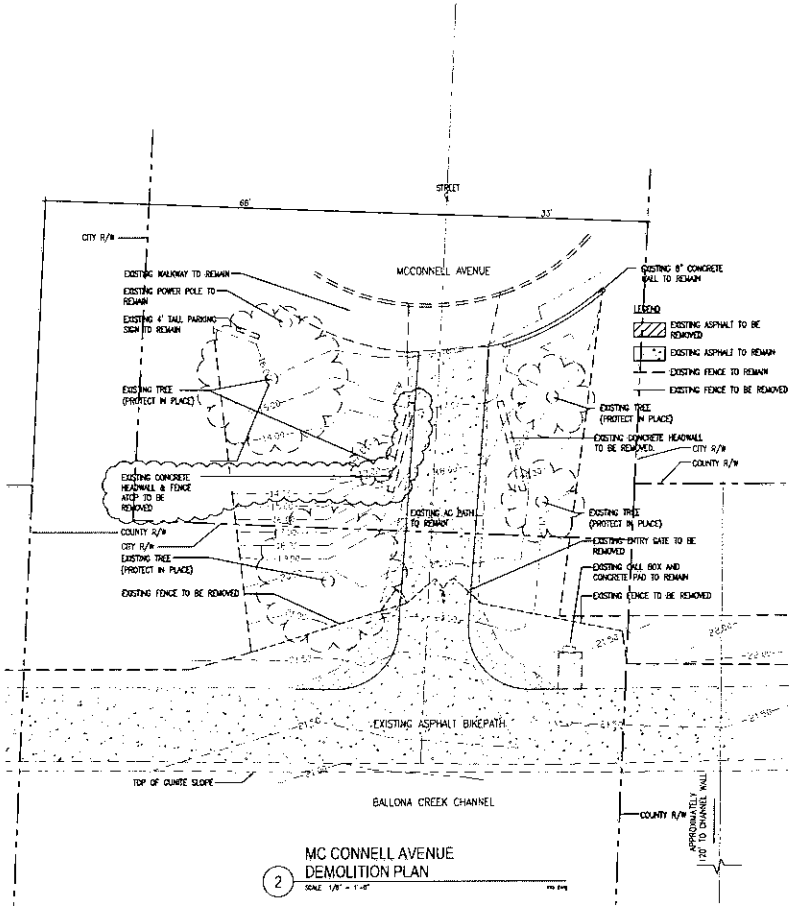
COVER SHEET

SHEET TITLE

G001

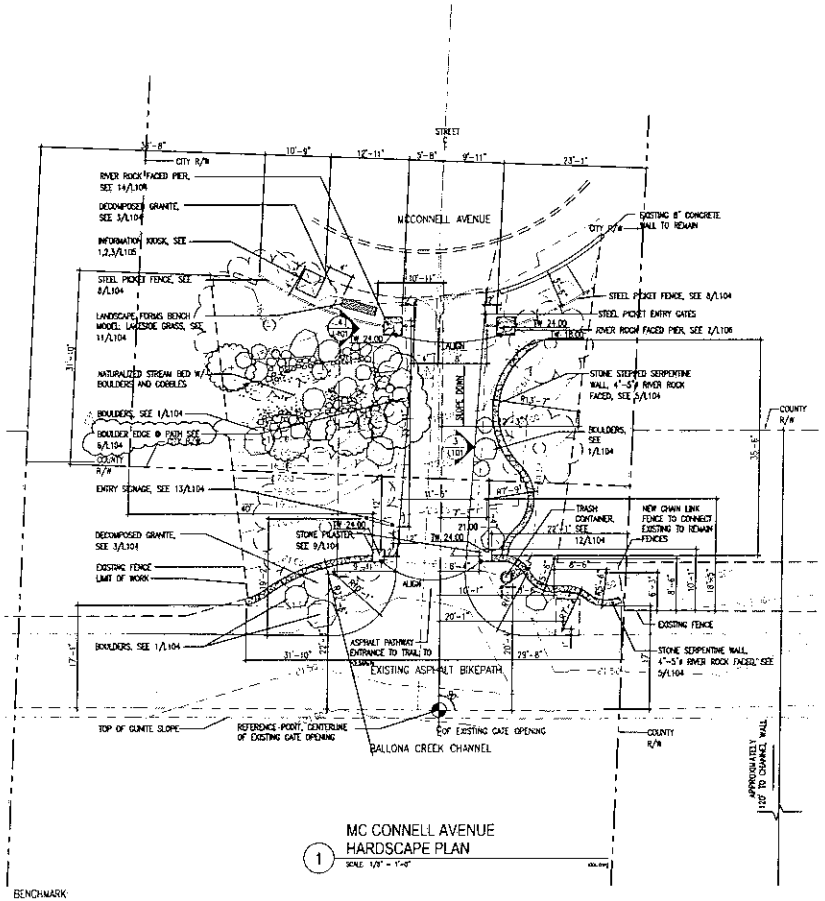
SHEET NO.

Agenda Item VIII
MRCA
11/4/09



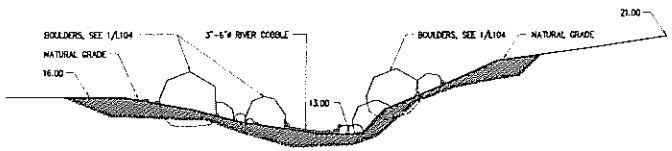
2 MC CONNELL AVENUE DEMOLITION PLAN
SCALE 1/8" = 1'-0"

NOTE: COUNTY R/W LINES & DISTANCES TO CHANNEL WALL SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17-RW 8 & NO. 17-D81.6



1 MC CONNELL AVENUE HARDSCAPE PLAN
SCALE 1/8" = 1'-0"

BENCHMARK:
LA CITY BM NO 17-11D62, DESRCRIBED AS FOLLOWS
WIRE SPIKE IN E CURB OF CULVER BL, 7 FT N OF SLY DRIVEWAY TO BLDG NO. 12870, 0.15 MI SLY FROM MCCONNELL AV ELEV=13.173



4 NATURALIZED STREAM BED SECTION
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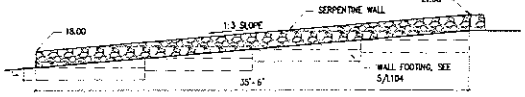

3 SERPENTINE WALL ELEVATION
SCALE 1/4" = 1'-0"

0' 2' 4' 8' 16'
SCALE 1/8" = 1'-0"
NORTH

BALLONA CREEK TRAIL

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KEY PLAN

NO.	DATE	REVISED FOR	BY
1	11.25.2008	CITY & STRCTL REVS/BID	JS
2	08.28.2008	CO & FMD REVISION	JS
3	04.01.2008	REVISION	JS
4	07.03.2007	REVISION	SS
5	05.14.2007	REVISION	SS

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CHECKED BY: SS
SCALE: 1/8"=1'-0"
DATE:
PROJECT NO: 7591

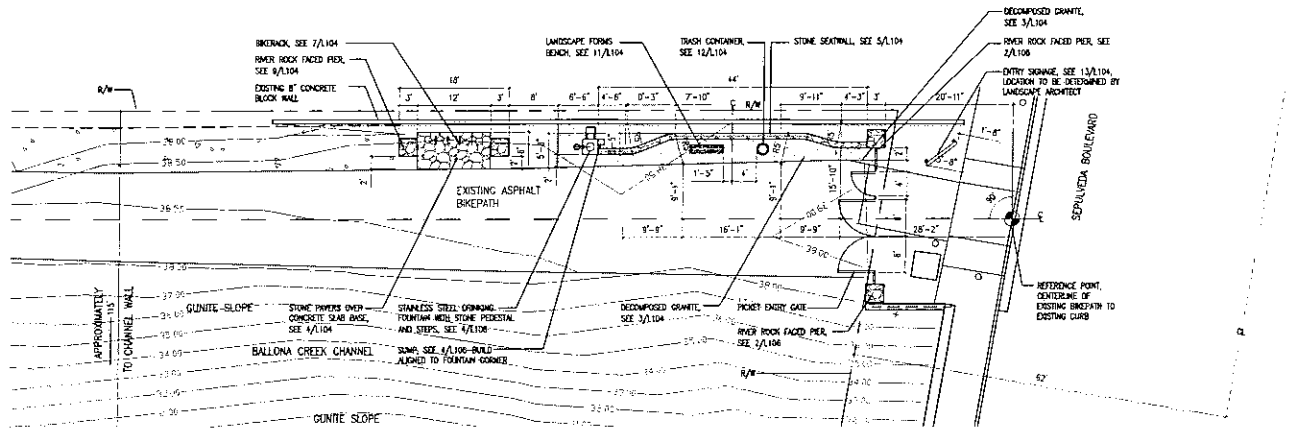
CONSTRUCTION AND DEMOLITION PLAN

SHEET TITLE

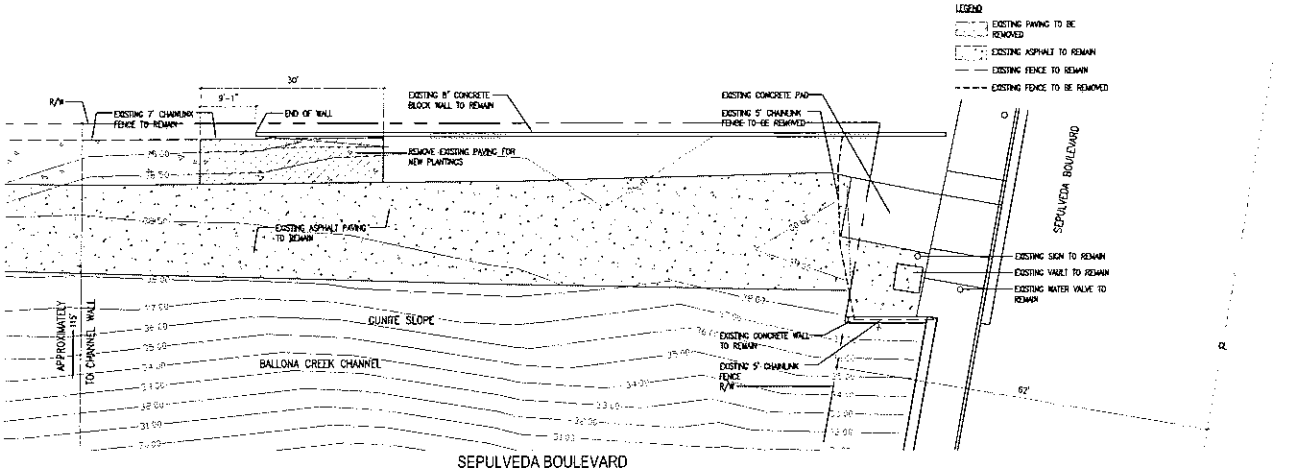
L101

SHEET NO

Agenda Item VIII
MRCA
11/4/09



1 SEPULVEDA BOULEVARD HARDSCAPE PLAN
SCALE 1/8" = 1'-0"



2 SEPULVEDA BOULEVARD DEMOLITION PLAN
SCALE 1/8" = 1'-0"

NOTE: COUNTY R/W LINES & DISTANCE TO CHANNEL WALL SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17 RW 6 & NO. 17-D81.9

SCALE 1/8" = 1'-0"

NORTH

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	11.25.2008	CITY & STRCTL REVS/BID	JS
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	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

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PROJECT NO.	7591

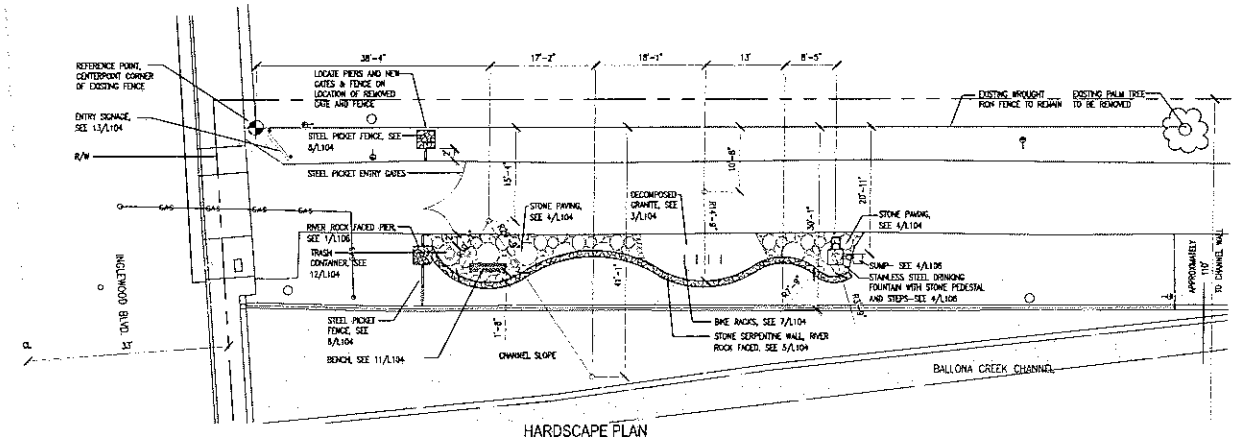
CONSTRUCTION AND DEMOLITION PLAN

SHEET TITLE

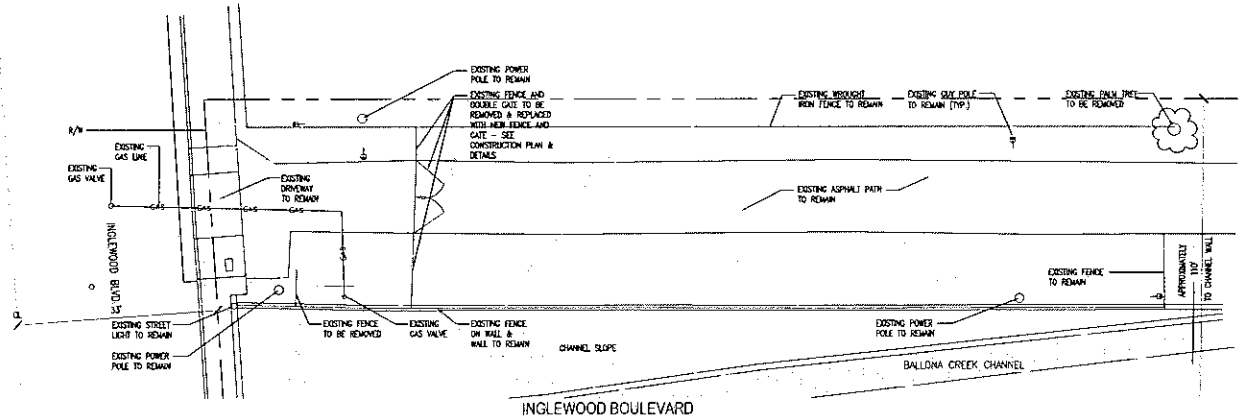
L102

SHEET NO.

Agenda Item VIII
MRCA
11/4/09



1 HARDSCAPE PLAN
BIKEPATH ENTRANCE
SCALE: 1/8" = 1'-0"



2 INGLEWOOD BOULEVARD
DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

NOTE: COUNTY R/W LINES SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17 RW 7 & NO. 17-081.8

SCALE 1/8" = 1'-0"

NORTH

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6.24.2008	COUNTY RESUBMITTAL	JS
11.25.2008	CITY & STRCTL REVS/BID	JS
08.28.2008	CD & FWQ REVISION	JS
04.01.2008	REVISION	JS
07.03.2007	REVISION	SS
05.14.2007	REVISION	SS
NO. DATE	ISSUED FOR	BY

BASE SHEET NUMBER	L103
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CHECKED BY	SS
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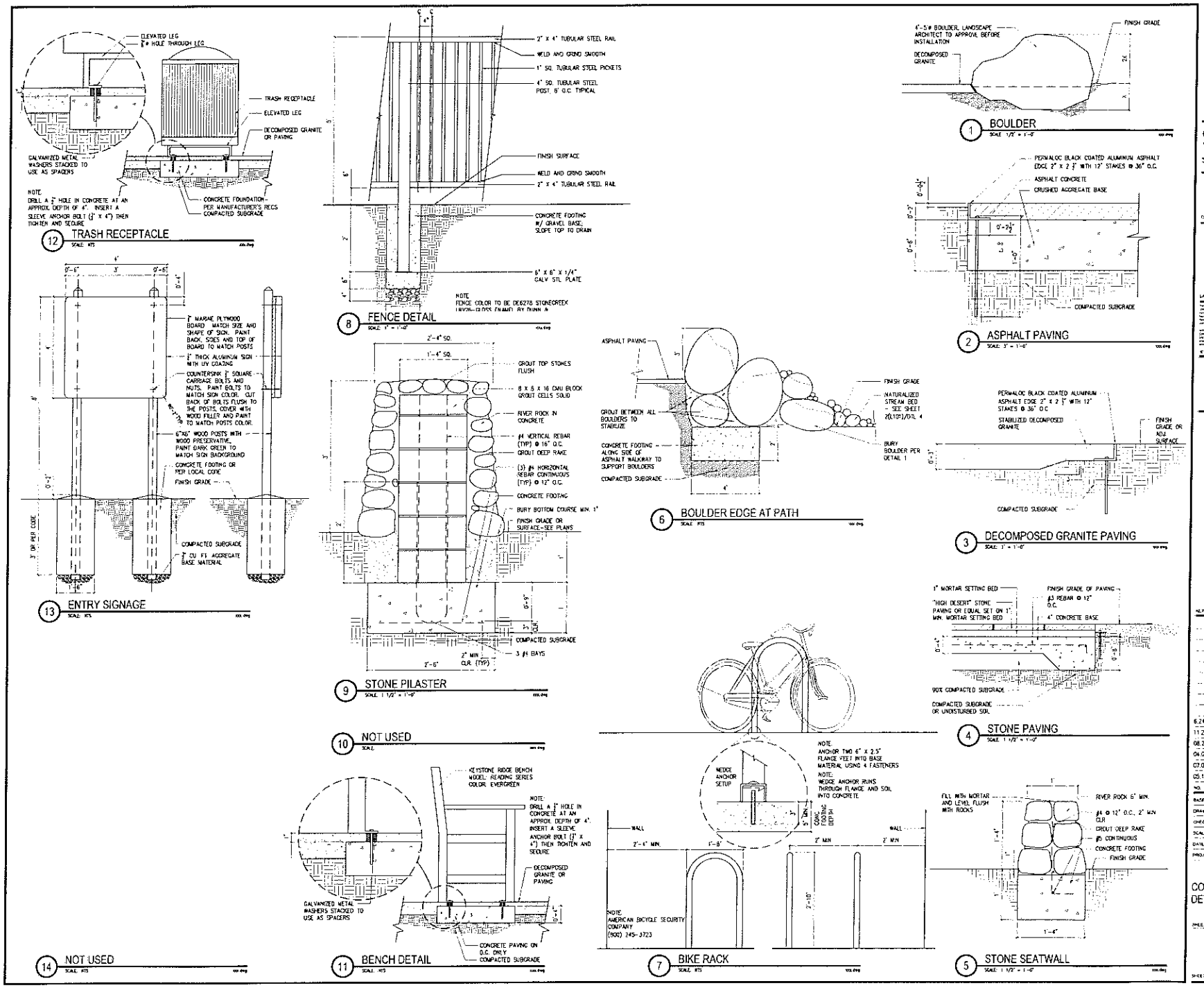
CONSTRUCTION AND DEMOLITION PLAN

SHEET TITLE

L103

SHEET NO.

Agenda Item VIII
MRCA
11/4/09



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	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

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DATE:
PROJECT NO.: 7391

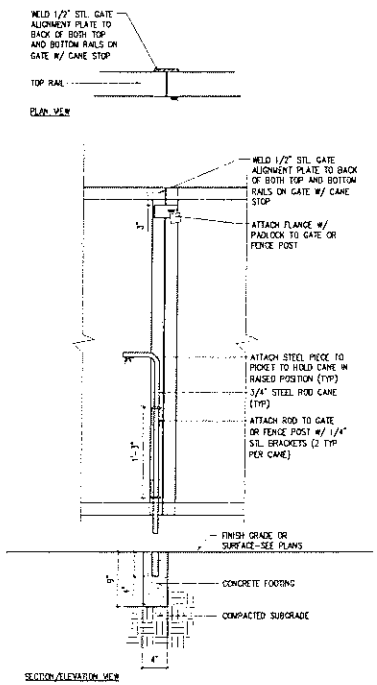
CONSTRUCTION DETAILS

SHEET TITLE

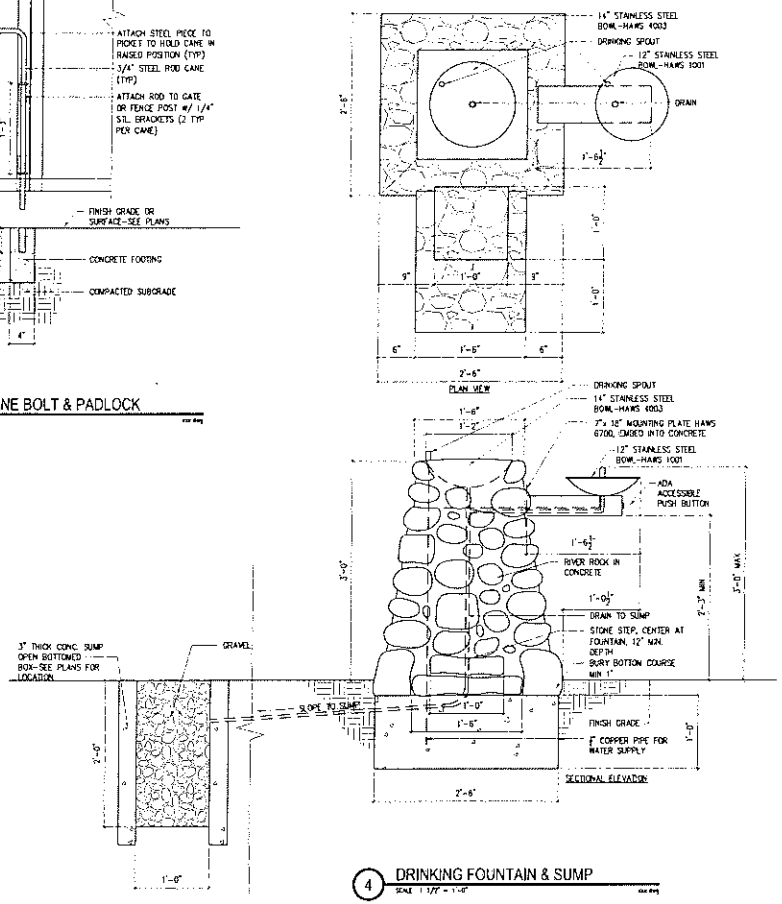
L104

SHEET NO.

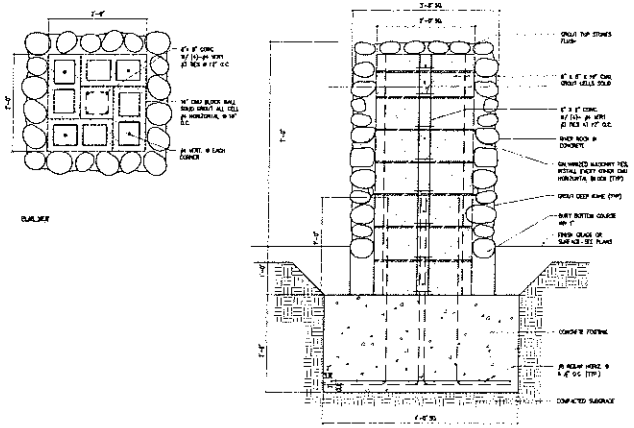
Agenda Item VIII
MRCA
11/4/09



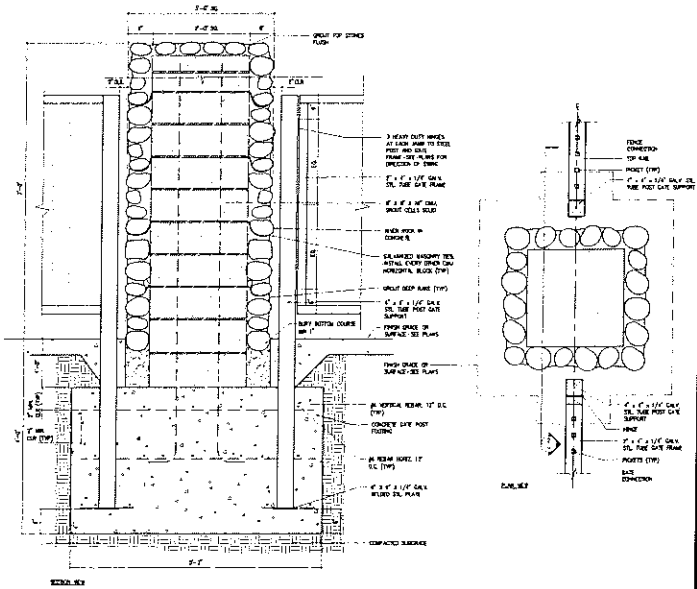
3 GATE CANE BOLT & PADLOCK



4 DRINKING FOUNTAIN & SUMP



1 RIVER ROCK FACED PIER



2 RIVER ROCK FACED PIER W/ FENCE OR GATE

BALLONA CREEK TRAIL

PROJECT ADDRESS

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KEY PLAN

NO.	DATE	REVISION/ISSUE FOR	BY
	6.24.2009	COUNTY RESUBMITTAL	JS
	11.25.2008	CITY & STRCTL REVS/BID	JS
	06.28.2008	CO & FMD REVISION	JS
	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

BASE FILE NAME: L104
DRAWN BY: MM
CHECKED BY: SS
SCALE: 1/8"=1'-0"
DATE:
PROJECT NO.: 7591

CONSTRUCTION DETAILS

SHEET TITLE

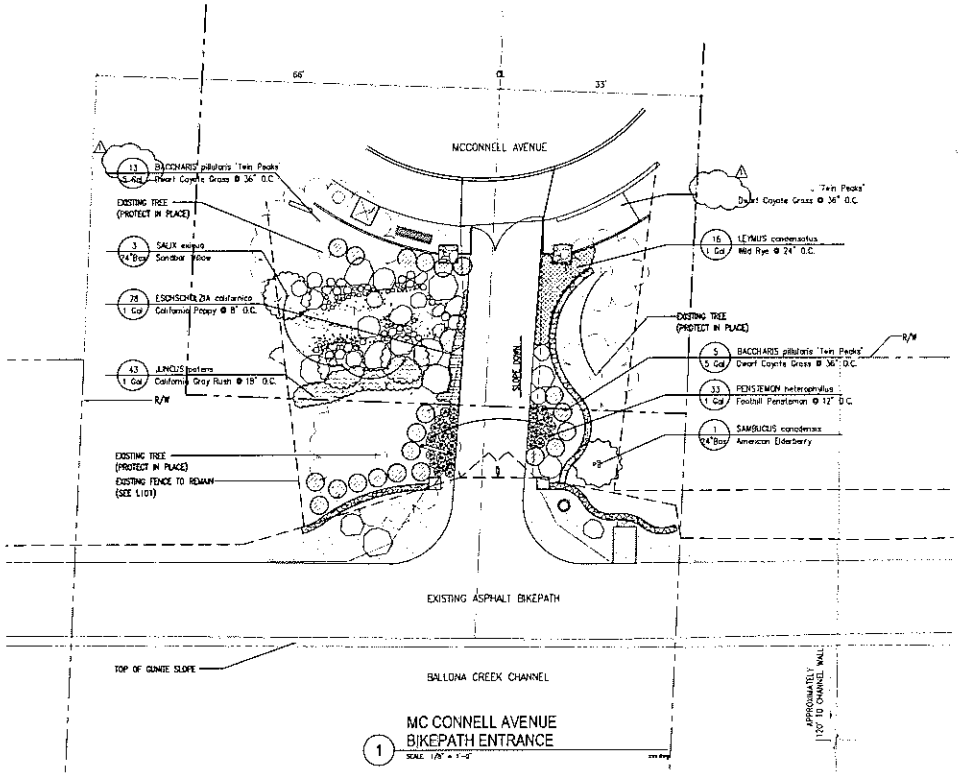
L106

SHEET NO.

Agenda Item VIII
MRCA
11/4/09

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
TREES					
	HETEROMELES ARBUTIFOLIA	TOYON	24" BOX	SEE PLAN	
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	24" BOX	SEE PLAN	SINGLE TRUNK
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	SEE PLAN	SEE PLAN	MULTI TRUNK
	QUERCUS AGRIFOLIA	CALIFORNIA COAST LINE OAK	48" BOX	SEE PLAN	
	SAMBUCUS CANADENSIS	AMERICAN ELDERBERRY	24" BOX	SEE PLAN	
	SALIX EXIGUA	SANDBAR WILLOW	24" BOX	SEE PLAN	
SHRUBS & GROUNDCOVERS					
	BACCHARIS PILLULARIS "TWIN PEAKS"	TWIN PEAKS DWARF COYOTE GRASS	5 GAL	SEE PLAN	
	ERIGERON GLAUCUS "WAYNE RODERICK"	WAYNE RODERICK BEACH ASTER	1 GAL	8" O.C.	
	ERIOGONUM GIGANTEUM	ST. CATHERINE'S LACE	1 GAL	24" O.C.	
	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	1 GAL	8" O.C.	
	GALVEZIA SPECIOSA "FIRECRACKER"	ISLAND BUSH SNAP DRAGON	5 GAL	SEE PLAN	
	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	18" O.C.	
	LEYMUS CONDENSATUS	WILD RYE	1 GAL	24" O.C.	
	PENSTEMON HETEROPHYLLUS	FOOTHILL PENSTEMON	1 GAL	SEE PLAN	
	PENSTEMON SPECTABILIS	ROYAL BEARD TONGUE	1 GAL	SEE PLAN	
	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	SEE PLAN	
	RIBES VIBURNIFOLIUM	CATALINA PERFUME	5 GAL	SEE PLAN	
	SALVIA CLEVELANDII "WINNIFRED GILMAN"	WINNIFRED GILMAN CALIFORNIA BLUE SAGE	1 GAL	24" O.C.	



1 MC CONNELL AVENUE BIKEPATH ENTRANCE
SCALE 1/8" = 1'-0"

SEE L204 FOR PLANTING NOTES AND DETAILS

NOTE: COUNTY R/W LINES & DISTANCES TO CHANNEL WALL SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17-RW 8 & NO. 17-D81.6

0' 2' 4' 8' 16'
SCALE 1/8" = 1'-0"
NORTH

BALLONA CREEK TRAIL

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KEY PLAN

NO.	DATE	ISSUED FOR	BY
5	05.01.09	CITY & STRCTL REVS (2)	JS
11	25.2008	CITY & STRCTL REVS/BID	JS
08	28 2008	CO & FMD REVISION	JS
04.01	2008	REVISION	JS
07.03.2007		REVISION	SS
05.14	2007	REVISION	SS

BASE FILE NAME? L201
DRAWN BY MM
CHECKED BY SS
SCALE 1/8"=1'-0"
DATE
PROJECT NO. 7591

PLANTING PLAN

SHEET TITLE

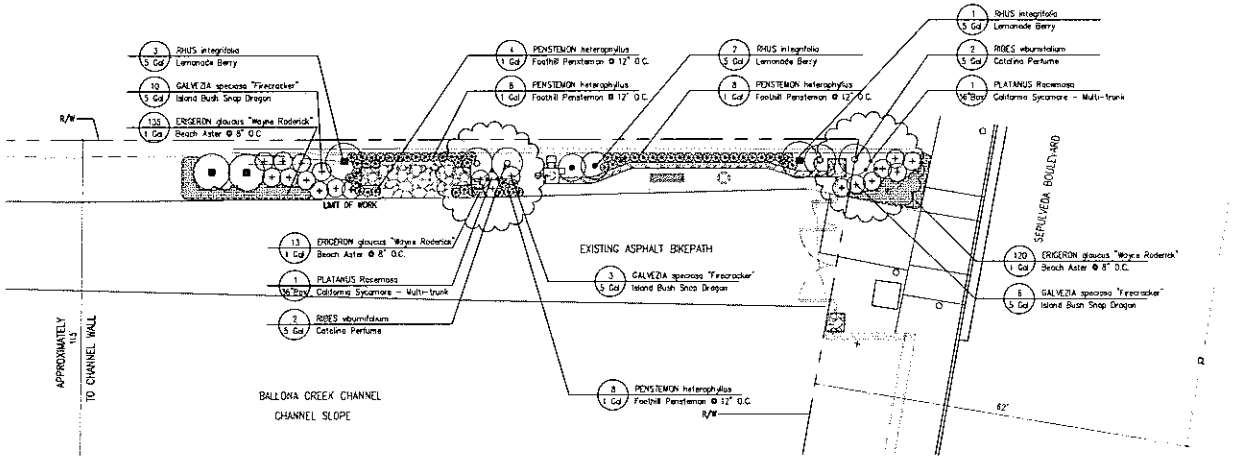
L201

SHEET NO.

Agenda Item VIII
MRCA
11/4/09

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
TREES					
	HETEROMELES ARBUTIFOLIA	TOYON	24" BOX	SEE PLAN	
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	24" BOX	SEE PLAN	SINGLE TRUNK
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	SEE PLAN	SEE PLAN	MULTI TRUNK
	QUERCUS AGRIFOLIA	CALIFORNIA COAST LIVE OAK	48" BOX	SEE PLAN	
	SAMBUCUS CANADENSIS	AMERICAN ELDERBERRY	24" BOX	SEE PLAN	
	SALIX EXIGUA	SANDBAR WILLOW	24" BOX	SEE PLAN	
SHRUBS & GROUNDCOVERS					
	BACCHARIS PILULARIS "TWIN PEAKS"	TWIN PEAKS DWARF COYOTE GRASS	5 GAL	SEE PLAN	
	ERIGERON GLAUCUS "WAYNE RODERICK"	WAYNE RODERICK BEACH ASTER	1 GAL	8" O.C.	
	ERIOGONUM GIGANTEUM	ST. CATHERINE'S LACE	1 GAL	24" O.C.	
	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	1 GAL	8" O.C.	
	GALVEZIA SPECIOSA "FIRECRACKER"	ISLAND BUSH SNAP DRAGON	5 GAL	SEE PLAN	
	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	18" O.C.	
	LEYMUS CONDENSATUS	WILD RYE	1 GAL	24" O.C.	
	PENSTEMON HETEROPHYLLUS	FOOTHILL PENSTEMON	1 GAL	SEE PLAN	
	PENSTEMON SPECTABILIS	ROYAL BEARD TONGUE	1 GAL	SEE PLAN	
	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	SEE PLAN	
	RIBES VIBURNIFOLIUM	CATALINA PERFUME	5 GAL	SEE PLAN	
	SALVIA CLEVELANDII "WINNIFRED GILMAN"	WINNIFRED GILMAN CALIFORNIA BLUE SAGE	1 GAL	24" O.C.	



NOTE: COUNTY R/W LINES & DISTANCE TO CHANNEL WALL SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17 RW 6 & NO. 17-D81.9

SEE L204 FOR PLANTING NOTES AND DETAILS

1 SEPULVEDA BOULEVARD BIKEPATH ENTRANCE
SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16
SCALE: 1/8" = 1'-0"
NORTH

BALLONA CREEK TRAIL

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KEY PLAN

NO	DATE	REVISION	BY
	11.25.2008	CITY & STRCTR. REVS/BID	JS
	08.28.2008	CO & FMD REVISION	JS
	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

BASE FILE NAME: L202
DRAWN BY: NM
CHECKED BY: SS
SCALE: 1/8"=1'-0"
DATE:
PROJECT NO.: 7591

PLANTING PLAN

SHEET TITLE

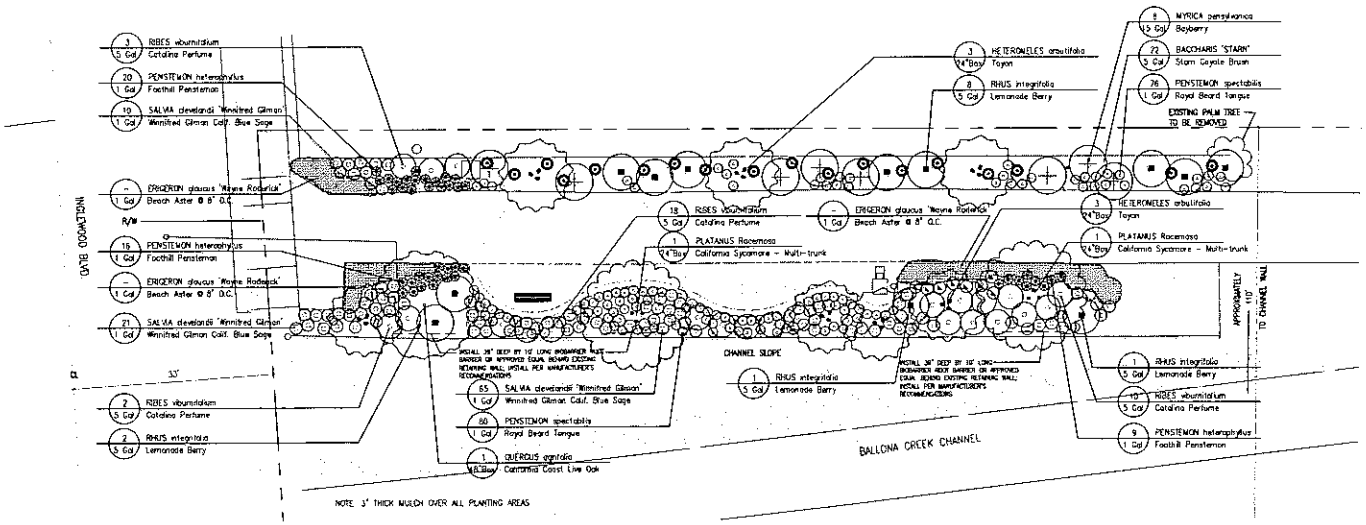
L202

SHEET NO.

Agenda Item VIII
MRCA
11/4/09

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
TREES					
	HETEROMELES ARBUTIFOLIA	TOYON	24" BOX	SEE PLAN	
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	24" BOX	SEE PLAN	SINGLE TRUNK
	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	SEE PLAN	SEE PLAN	MULTI TRUNK
	QUERCUS AGRIFOLIA	CALIFORNIA COAST LIVE OAK	48" BOX	SEE PLAN	
	SAMBUCUS CANADENSIS	AMERICAN ELDERBERRY	24" BOX	SEE PLAN	
	SALIX EXIGUA	SANDBAR WILLOW	24" BOX	SEE PLAN	
SHRUBS & GROUNDCOVERS					
	BACCHARIS PILULARIS "TWIN PEAKS"	TWIN PEAKS DWARF COYOTE GRASS	5 GAL	SEE PLAN	
	ERIGERON GLAUCUS "WAYNE RODERICK"	WAYNE RODERICK BEACH ASTER	1 GAL	8" O.C.	
	ERIOGONUM GRANTEUM	ST. CATHERINE'S LACE	1 GAL	24" O.C.	
	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	1 GAL	8" O.C.	
	GALVEZIA SPECIOSA "FIREDRAGON"	ISLAND BUSH SNAP DRAGON	5 GAL	SEE PLAN	
	JUNCUS PATENS	CALIFORNIA GRAY RUSH	1 GAL	18" O.C.	
	LEYMUS CONDENSATUS	WILD RYE	1 GAL	24" O.C.	
	PENSTEMON HETEROPHYLLUS	FOOTHILL PENSTEMON	1 GAL	SEE PLAN	
	PENSTEMON SPECTABILIS	ROYAL BEARD TONGUE	1 GAL	SEE PLAN	
	RHUS INTEGRIFOLIA	LEMONADE BERRY	5 GAL	SEE PLAN	
	RIBES VIBURNIFOLIUM	CATALINA PERFUME	5 GAL	SEE PLAN	
	SALVIA CLEVELANDII "WINNIFRED GILMAN"	WINNIFRED GILMAN CALIFORNIA BLUE SAGE	1 GAL	24" O.C.	
	MYRICA PENSYLVANICA	BAYBERRY	15 GAL	SEE PLAN	
	BACCHARIS "STARN"	STARN COYOTE BRUSH	5 GAL	SEE PLAN	



1 INGLEWOOD BOULEVARD BIKEPATH ENTRANCE
SCALE: 1/8" = 1'-0"

NOTE: COUNTY R/W LINES SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17 RW 7 & NO. 17-081.8

SEE L204 FOR PLANTING NOTES AND DETAILS

SCALE: 1/8" = 1'-0"
NORTH

BALLONA CREEK TRAIL

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KEY PLAN

NO.	DATE	ISSUED FOR	BY
	6.24.2009	COUNTY RESUBMITTAL	JS
	11.25.2008	CITY & STRCTL REVS/BID	JS
	08.28.2008	CO & TMD REVISION	JS
	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

BASE FILE NAME: L203
DRAWN BY: MM
CHECKED BY: SS
SCALE: 1/8" = 1'-0"
DATE:
PROJECT NO. 7591

PLANTING PLAN

SHEET TITLE

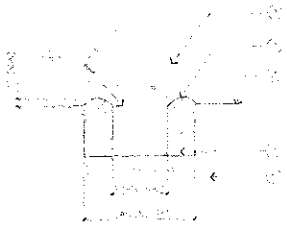
L203

SHEET NO.

Agenda Item VIII
MRCA
11/4/09

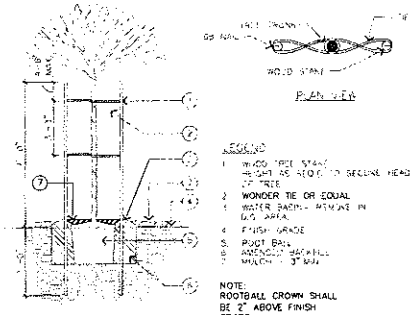
LEGEND

1 GROUNDCOVER PLANTING
SCALE: NTS



- ROOTBALL CROWN SHALL BE 2" ABOVE FINISH GRADE

2 SHRUB PLANTING
SCALE: NTS



3 TREE PLANTING
SCALE: NTS

PLANTING NOTES

[illegible]

[illegible] AND ESTABLISHMENT PERIOD HAS DETERMINED THAT PLANTS WILL THRIVE

[illegible] AND PLANTING DEPTHS

[illegible]

19. MAINTENANCE. AFTER 90 DAY ESTABLISHMENT PERIOD, PLANTS SHALL BE MAINTAINED FOR 18 MONTHS. SEE MRCA GENERAL NOTES FOR SPECIFIC MAINTENANCE STANDARDS.

20. WHEN PLANTING ADJACENT TO PAVING, HOLD FINISH PLANTING GRADE DOWN 2" CLEAR.

BALLONA CREEK TRAIL

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[illegible]

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KEY PLAN

NO.	DATE	ISSUED FOR	BY
6.24.2009	COUNTY RESUBMITTAL		JS
11.25.2008	CITY & STRCTL REVS/BID		JS
06.28.2008	CO & FWD REVISION		JS
04.01.2008	REVISION		JS
07.03.2007	REVISION		SS
05.14.2007	REVISION		SS

BASE FILE NAME: L204
DRAWN BY: MM
CHECKED BY: SS
SCALE: NTS
DATE:
PROJECT NO.: 7591

PLANTING DETAILS & NOTES

SHEET TITLE

L204

SHEET NO.

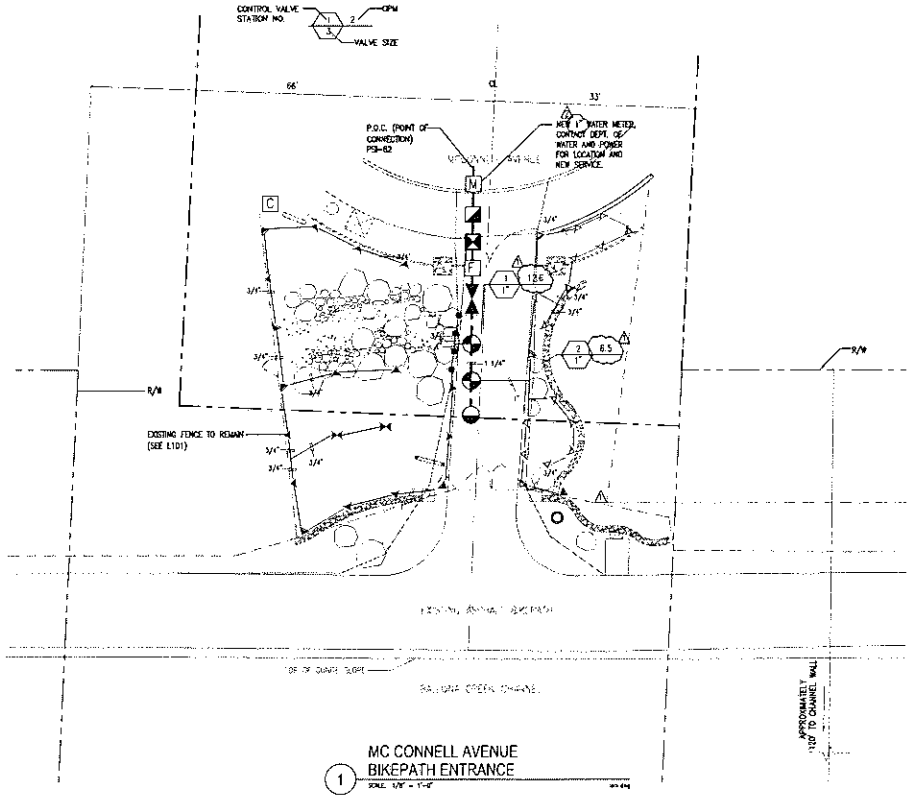
Agenda Item VIII
MRCA
11/4/09

SPRINKLER HEAD LEGEND

SYMBOLS	ARC	RAD	TRJ	DESCRIPTIONS	PSI	GPM	MANUFACTURER	BODY NO.	NOZ NO.	PCS	REFERENCE
●	360	—	—	BUBBLER HEAD	30	.25	RAINBIRD	1401-PRS		N/A	
▽	90	4'-5'	5	FLAT SHRUB HEAD	30	.20	RAINBIRD-SAM	1806-PRS	90-FLT	N/A	
▽	180	4'-5'	5	FLAT SHRUB HEAD	30	.40	RAINBIRD-SAM	1806-PRS	5H-FLT	N/A	
▼	90	6'-8'	10	FLAT SHRUB HEAD	30	.30	RAINBIRD-SAM	1806-PRS	80-FLT	N/A	
▼	180	6'-8'	10	FLAT SHRUB HEAD	30	.60	RAINBIRD-SAM	1806-PRS	8H-FLT	N/A	
⋈	360	8'-8'	10	FLAT SHRUB HEAD	30	1.1	RAINBIRD-SAM	1812-PRS	8F-FLT	N/A	

- RAINBIRD PEB SERIES MASTER REMOTE CONTROL VALVE ASSEMBLY– ESP MODULAR 4 STATIONS W/ LEMA 15213-MICROPOWER ACTUATOR CONBRACO–APOLLO 64 SERIES BALL VALVE ASSEMBLY
- FEBCO 825Y (1–½") REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
- FEBCO 850 (2" & SMALLER) STRAINER ASSEMBLY
- C — LEIT 4004 UNIVERSAL CONTROL UNIT WITH ANTENNA MOUNTING COLUMN
- F — FLOW SENSOR – FM-150 CALSENSE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- M — WATER METER
- HAMMOND 608 SERIES GATE VALVE ASSEMBLY
- RAINBIRD QUICK COUPLER 33QLRC
- REMOTE CONTROL VALVE ASSEMBLY – RAINBIRD PEB SERIES W/ BALL VALVE (W/ LEMA 15215 MICROPOWER ACTUATOR)
- MAINLINE PRESSURE SUPPLY SCH 80 PVC – 1 ½" SIZE
- NON-PRESSURE LATERAL LINE SCH 40 PVC – 3/4" PIPE SIZE
- 3/4"DIA. COPPER TUBING TO WATER SUPPLY
- CONTROL VALVE STATION NO. 1, VALVE SIZE 3, GPM 2

NOTE: IRRIGATION ASSEMBLY SHOWN DIAGRAMMATICALLY–
– INSTALL GATE VALVE OUTSIDE OF GATE NEXT TO STREET FOR EMERGENCY SHUT-OFF BY BSS CREW
– BACKFLOW PREVENTER SHALL BE INSTALLED INSIDE NEW GATES



1 MC CONNELL AVENUE BIKEPATH ENTRANCE
SCALE: 1/8" = 1'-0"

SEE L304 FOR IRRIGATION NOTES AND DETAILS

Underground Service Alert
Call TOLL FREE
1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

NOTE: COUNTY R/W LINES & DISTANCES TO CHANNEL WALL SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17-RW 8 & NO. 17-081.6

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"
NORTH

BALLONA CREEK TRAIL

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KEY PLAN

NO.	DATE	REVISION	BY
3	05.06.09	RFI	JS
2	05.01.09	CITY & STRCTL REVS (2)	JS
	11.25.2008	CITY & STRCTL REVS/BID	JS
	08.28.2008	CO & FMD REVISION	JS
	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

BASE FILE NAME	L301
DRAWN BY	MM
CHECKED BY	SS
SCALE	1/8"=1'-0"
DATE	
PROJECT NO.	7591

IRRIGATION PLAN

SHEET TITLE

L301

SHEET NO.

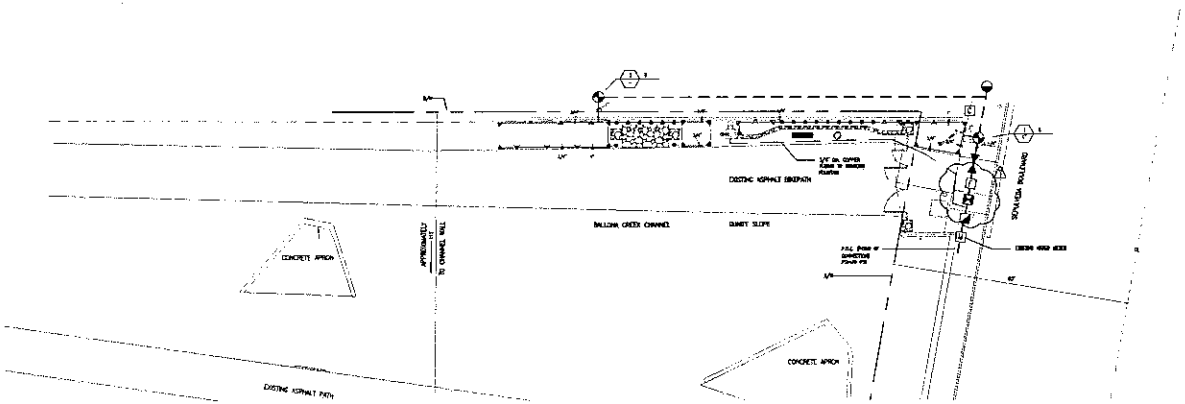
Agenda Item VIII
MRCA
11/4/09

SPRINKLER HEAD LEGEND

SYMBOLS	ARC	RAD	TRJ	DESCRIPTIONS	PSI	GPM	MANUFACTURER	BODY NO.	NOZ. NO.	PCS	REFERENCE
●	360	–	–	BUBBLER HEAD	30	.25	RAINBIRD	1401–PRS		N/A	
▽	90	4'–5'	5	FLAT SHRUB HEAD	30	.20	RAINBIRD	1806–PRS	30–FLT	N/A	
▽	180	4'–5'	5	FLAT SHRUB HEAD	30	.40	RAINBIRD	1806–PRS	5H–FLT	N/A	
▽	90	6'–8'	10	FLAT SHRUB HEAD	30	.30	RAINBIRD	1806–PRS	8Q–FLT	N/A	
▽	180	6'–8'	10	FLAT SHRUB HEAD	30	.60	RAINBIRD	1806–PRS	8H–FLT	N/A	
⋈	360	8'–8'	10	FLAT SHRUB HEAD	30	1.1	RAINBIRD	1812–PRS	8F–FLT	N/A	

- RAINBIRD PEB SERIES MASTER REMOTE CONTROL VALVE ASSEMBLY– ESP MODULAR 4 STATIONS W/ LEMA 1525S MICROPOWER ACTUATOR
  CONBRACO–APOLLO 64 SERIES BALL VALVE ASSEMBLY
- FEBCO 825Y (1–½") REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
  FEBCO 650 (2" & SMALLER) STRAINER ASSEMBLY
- C — LETT 4004 UNIVERSAL CONTROL UNIT WITH ANTENNA MOUNTING COLUMN
- F — FLOW SENSOR – FM–150 CALSENSE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- M — WATER METER
- MAMMOND 606 SERIES GATE VALVE ASSEMBLY
- RAINBIRD QUICK COUPLER 33DLRC
- REMOTE CONTROL VALVE ASSEMBLY – RAINBIRD PEB SERIES W/ BALL VALVE (W/ LEMA 1525S MICROPOWER ACTUATOR)
- MAINLINE PRESSURE SUPPLY SCH. 80 PVC – 1 ½" SIZE
- NON–PRESSURE LATERAL LINE SCH. 40 PVC – 3/4" PIPE SIZE
- 3/4"DIA. COPPER TUBING TO WATER SUPPLY
- CONTROL VALVE STATION NO. – GPM – VALVE SIZE

NOTE: IRRIGATION ASSEMBLY SHOWN DIAGRAMMATICALLY



1 SEPULVEDA BOULEVARD BIKEPATH ENTRANCE
SCALE 1/8" = 1'-0"

SEE L304 FOR IRRIGATION NOTES AND DETAILS

NOTE: COUNTY R/W LINES & DISTANCE TO CHANNEL WALL SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17 RW 6 & NO. 17–D81.9

Underground Service Alert
Call TOLL FREE 1–800 / 422–4133
TWO WORKING DAYS BEFORE YOU DIG

0' 2' 4' 8' 16
SCALE 1/8" = 1'-0"
NORTH

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KEY PLAN

NO.	DATE	ISSUED FOR	BY
1	05.01.09	CITY(?) & STRCTL REVS	JS
	11.25.2008	CITY & STRCTL REVS/BID	JS
	08.28.2008	CO & TMD REVISION	JS
	04.01.2008	REVISION	JS
	07.03.2007	REVISION	SS
	05.14.2007	REVISION	SS

BASE FILE NAME: L307
DRAWN BY: NM
CHECKED BY: SS
SCALE: 1/8"=1'-0"
DATE:
PROJECT NO. 7591

IRRIGATION PLAN

SHEET TITLE

L302

SHEET NO.

Agenda Item VIII
MRCA
11/4/09

SPRINKLER HEAD LEGEND

SYMBOLS	ARC	RAD	TRJ	DESCRIPTIONS	PSI	GPM	MANUFACTURER	BODY NO.	NOZ. NO.	PCS	REFERENCE
●	360	–	–	BUBBLER HEAD	30	.25	RAINBIRD	1401-PRS		N/A	
▽	90	4'-5'	5	FLAT SHRUB HEAD	30	.20	RAINBIRD	1806-PRS	50-FLT	N/A	
▽	180	4'-5'	5	FLAT SHRUB HEAD	30	.40	RAINBIRD	1806-PRS	5H-FLT	N/A	
▼	90	6'-8'	10	FLAT SHRUB HEAD	30	.30	RAINBIRD	1806-PRS	80-FLT	N/A	
▼	180	6'-8'	10	FLAT SHRUB HEAD	30	.60	RAINBIRD	1806-PRS	8H-FLT	N/A	
▽	270	6'-8'	10	FLAT SHRUB HEAD	30	1.1	RAINBIRD	1806-PRS	8H-VAN	N/A	
⋈	360	6'-8'	10	FLAT SHRUB HEAD	30	1.1	RAINBIRD	1812-PRS	8F-FLT	N/A	

RAINBIRD PEB SERIES MASTER REMOTE CONTROL VALVE ASSEMBLY– ESP MODULAR 4 STATIONS W/ LEMA 1521S MICROPOWER ACTUATOR
CONBRACO–APOLLO 64 SERIES BALL VALVE ASSEMBLY

FEBCO 825Y (1–½") REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
FEBCO 650 (2" & SMALLER) STRAINER ASSEMBLY

C LEIT 4004 UNIVERSAL CONTROL UNIT WITH ANTENNA MOUNTING COLUMN

F FLOW SENSOR – FM–150 CALSENSE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS

M WATER METER

HAMMOND 606 SERIES GATE VALVE ASSEMBLY

RAINBIRD QUICK COUPLER 33DURG

REMOTE CONTROL VALVE ASSEMBLY – RAINBIRD PEB SERIES W/ BALL VALVE (W/ LEMA 1521S MICROPOWER ACTUATOR)

MAINLINE PRESSURE SUPPLY SCH 80 PVC – 1 ½" SIZE

NON–PRESSURE LATERAL LINE SCH 40 PVC
3/4" PIPE SIZE

3/4" DIA. COPPER TUBING TO WATER SUPPLY

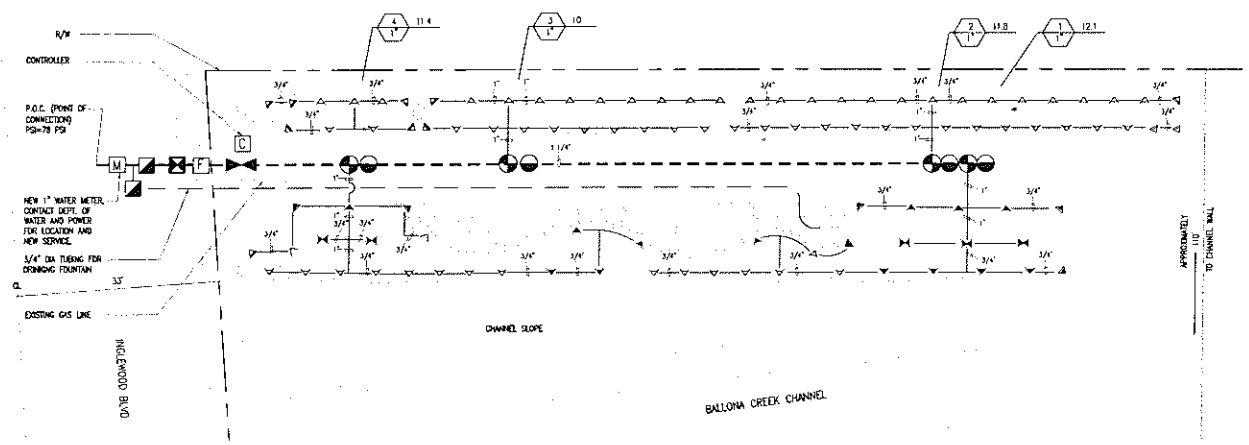
CONTROL VALVE STATION NO. 1 2 GPM
1 VALVE SIZE

FOR DRINKING FOUNTAIN: FEBCO 825YA (1") REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
FEBCO 650A (1/2"–2") STRAINER ASSEMBLY

NOTE: IRRIGATION ASSEMBLY SHOWN DIAGRAMMATICALLY

GATE VALVE OUTSIDE OF GATES NEXT TO STREET FOR EMERGENCY SHUT–OFF

BACKFLOW PREVENTER TO BE LOCATED INSIDE OF GATES



1 INGLEWOOD BOULEVARD BIKEPATH ENTRANCE
SCALE 1/8" = 1'-0"

NOTE: COUNTY R/W LINES SCALED FROM LA COUNTY FLOOD CONTROL DISTRICT MAP NO. 17 RW 7 & NO. 17–D81.8

Underground Service Alert
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1-800
422-4133

0' 2' 4' 8' 16'
SCALE 1/8" = 1'-0"
NORTH

PROGRESS PRINT – NOT FOR CONSTRUCTION

BALLONA CREEK TRAIL

PROJECT ADDRESS

GRUEN ASSOCIATES
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LANDSCAPE ARCHITECT SEAL

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PROGRESS PRINT
NOT FOR CONSTRUCTION

IF SHEET IS LESS THAN 30"x42", THIS IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

KEY PLAN

NO	DATE	ISSUED FOR	BY
6 24 2009		COUNTY RESUBMITTAL	DH
11 25 2008		CITY & STRCTL REVS/BID	JS
08 28 2008		CO & FMD REVISION	JS
04 01 2008		REVISION	JS
07 03 2007		REVISION	SS
05 14 2007		REVISION	SS

RACE FILE NAME
DRAWN BY DH
CHECKED BY SS
SCALE 1/8"=1'-0"
DATE
PROJECT NO. 7591

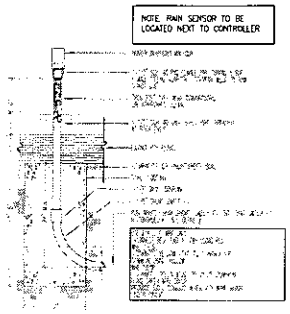
IRRIGATION PLAN

SHEET TITLE

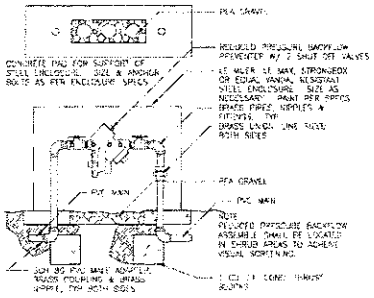
L303

SHEET NO.

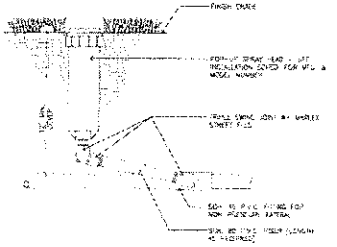
Agenda Item VIII
MRCA
11/4/09



8 RAINGUARD ON POST
SCALE NTS



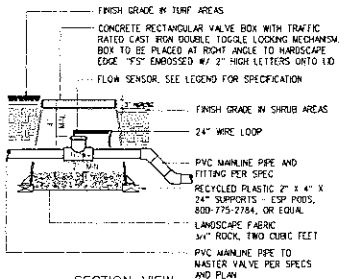
5 BACKFLOW PREVENTER
SCALE NTS



2 POP-UP SPRAY
SCALE NTS

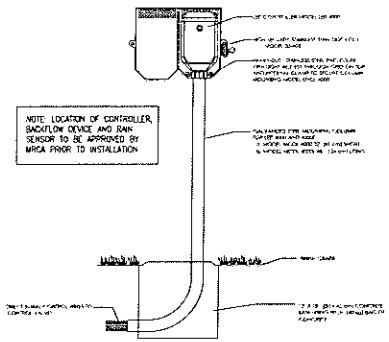
GENERAL NOTES

1. INSTALL ALL PRESSURE AND NON-PRESSURE LINES AND ANY EQUIPMENT INSIDE PLANTING AREAS UNDERGROUND PRESSURE PIPING THOUGH OUTSIDE SLAB AREAS FOR PURPOSES OF CLARITY ONLY!
2. SELECT AND INSTALL ALL EQUIPMENT IN ACCORDANCE WITH LEGEND SPECIFICATIONS AND CONSTRUCTION DETAILS
3. FOR SYMBOL DESIGNATION, REFER TO LEGENDS.
4. WHERE PRESSURE REGULATING VALVES ARE USED, ADJUST VALVES FOR OPTIMUM PRESSURE, OR AS NOTED ON DRAWINGS.
5. ADJUST ALL SYSTEMS TO AVOID SPRAYS INTO BUILDINGS, WALKS AND ROADWAYS BY INDIVIDUALLY ADJUSTING SPRINKLER HEADS AND CONTROL VALVES.
6. DEFINE AREAS AS NECESSARY TO DETERMINE EXACT LOCATION OF SPRINKLER HEADS PRIOR TO INSTALLATION.
7. MAINTAIN AS-BUILT DRAWINGS AND SPECIFICATION ON SITE AT ALL TIMES. UPDATE AS-BUILT DRAWINGS DAILY. SITE REVIEWS WILL NOT BE CONDUCTED WITHOUT THESE DRAWINGS.
8. REVIEW AND VERIFY AREAS PRECEDING AN IRRIGATION SYSTEM REGARDING ADEQUACY OF SIZE AND CONFIGURATION AND DISCREPANCIES THAT WOULD PROVE DETRIMENTAL TO FINAL COVERAGE SHALL BE BROUGHT TO OWNER'S ATTENTION BEFORE INSTALLATION IF HE/SHE FEELS TO DO SO. THE CONTRACTOR MUST BE RESPONSIBLE FOR ANY RELATED ADJUSTMENTS REQUIRED.
9. WHERE VERTICAL OBSTRUCTIONS IN THE LANDSCAPE AREA INTERFERE WITH THE SPRAY PATTERN OF ANY GROUNDED STEELTING IN THE IMPROPER IRRIGATION COVERAGE, CONTRACTOR SHALL ADJUST THE INSTALLATION BY FIELD ADJUSTMENT TO THE IRRIGATION SYSTEM. THIS MAY DEMAND THE ADDITION OF ELBOWS CIRCLE TO EACH SIDE OF THE OBSTRUCTION, OR OTHER MEASURES. ALL SUCH ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
10. PIPING AND WIRE CONDUIT PENETRATIONS THROUGH WALLS AND INSTALLATION OF ANY IRRIGATION EQUIPMENT UNDER PAVING MUST BE COORDINATED WITH THE GENERAL CONTRACTOR AND/OR CONTRACTORS OF ALL THE VARIOUS TRADES THAT MAY BE INVOLVED TO EXPLICITLY PROVIDE THAT NOT ARISE FROM INACCESSIBILITY OR DAMAGE TO ANOTHER TRADES WORK.

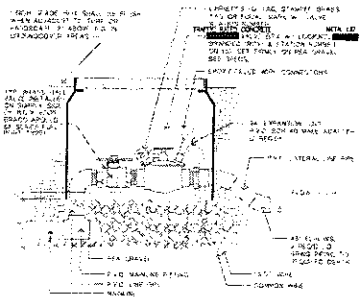


NOTE:
INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS, WIRE TO IRRIGATION CONTROLLER USE 45 DEGREE ELLS TO ACHEVE MAINLINE DEPTH ON THE DOWN-STREAM SIDE OF THE FLOW SENSOR

9 FLOW SENSOR
SCALE NTS



6 SOLAR CONTROLLER
SCALE NTS

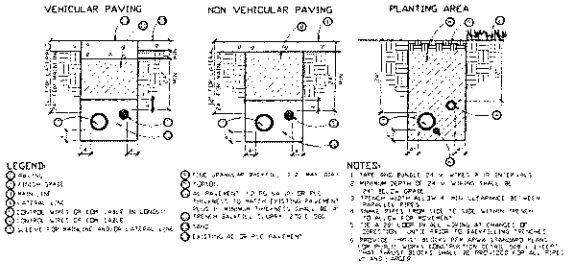


3 CONTROL VALVE
SCALE NTS

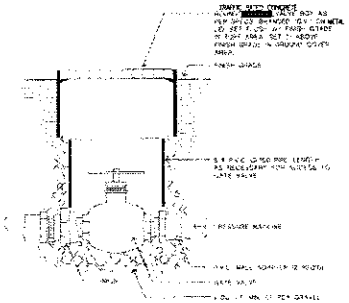
CONSTRUCTION NOTES

1. TYPICAL - POC TO WATER OUTLET PROVIDED BY OWNER (EXACT SIZE AND LOCATION OF CONNECTION SHALL BE DETERMINED ON SITE. CONTRACTOR SHALL VERIFY STATIC PRESSURE ON SITE PRIOR TO START OF CONSTRUCTION.
2. TYPICAL - 1/2" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY CONTRACTOR SHALL VERIFY EXACT LOCATION OF ASSEMBLY ON SITE FINAL LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT.
3. TYPICAL - [redacted] STATION AUTOMATIC CONTROLLER(S). LOCATION EXACT SIZE AND LOCATION OF UNIT SHALL BE DETERMINED ON SITE FINAL LOCATION OF UNIT SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
4. TYPICAL - RAIN SENSOR ASSEMBLY MOUNTED TO A GALVANIZED STEEL POLE. EXACT LOCATION SHALL BE DETERMINED ON SITE. SPRINKLER SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. SENSOR SHALL BE CONNECTED TO SOLAR POWERED CONTROLLER AS NECESSARY.

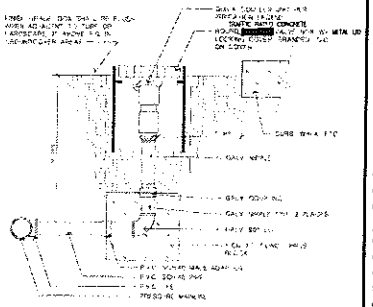
REFER TO GEMPARTE 15412 V.11 SPECIFICATIONS SECTION 02930 THESE SPECIFICATIONS ARE PART OF CONSTRUCTION DOCUMENTS AND GOVERN IRRIGATION SYSTEM INSTALLATION AND REQUIREMENTS



7 TRENCHING DETAIL
SCALE NTS



4 GATE VALVE
SCALE NTS



1 QUICK COUPLER
SCALE NTS

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BALLONA CREEK TRAIL

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REV PLAN

6.24.2009	COUNTY RESUBMITTAL	JS
11.25.2008	CITY & STROTL REVS/BID	JS
08.28.2008	CO & TWO REVISION	JS
04.01.2008	REVISION	JS
07.03.2007	REVISION	SS
05.14.2007	REVISION	SS
NO.	DATE DESCRIPTION	BY

RAPE FILE NAME	L304
DRAWN BY	MM
CHECKED BY	SS
SCALE	NTS
DATE	
PROJECT NO.	7591

IRRIGATION DETAILS & NOTES

SHEET TITLE

L304

SHEET NO.