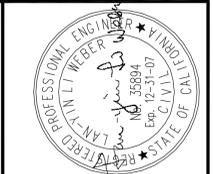
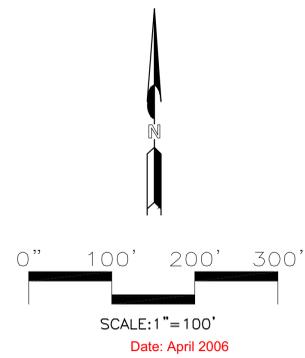


— L —	LIMITS OF WORK FOR THIS CONTRACT
	VEHICULAR ACCESS
	ACCESSIBLE ROUTE
PARKING INFO:	
	168 PARKING STALLS
	6 HANDICAPPED STALLS

BASIS OF BEARING
 THE CENTERLINE OF CHICAGO AVENUE HAVING A BEARING OF N18°11'40"W PER RS 52/4-8, WAS USED AS THE BASIS OF BEARINGS FOR THIS MAP.

BENCHMARK
 CITY OF RIVERSIDE BENCHMARK H7-K3, A PK NAIL AND CITY ENGINEER WASHER AT THE NE CORNER OF CHICAGO AVE AND CENTRAL AVE.

NGVD 1929
 ELEV. = 944.734



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REV	DATE	DESCRIPTION	BY NAME

Sheet Title:
**SITE PLAN/
 ACCESS
 ROUTE**

CITY OF RIVERSIDE
ANDULKA PARK
PHASE 2 IMPROVEMENTS
 DWG. NO. C0:02
 SHEET 02 OF 22 SHEETS

DWN BY R. PEREZ	APPD BY	DATE
CKD BY J. CHANG	CITY NUMBER	
SCALE AS NOTED		



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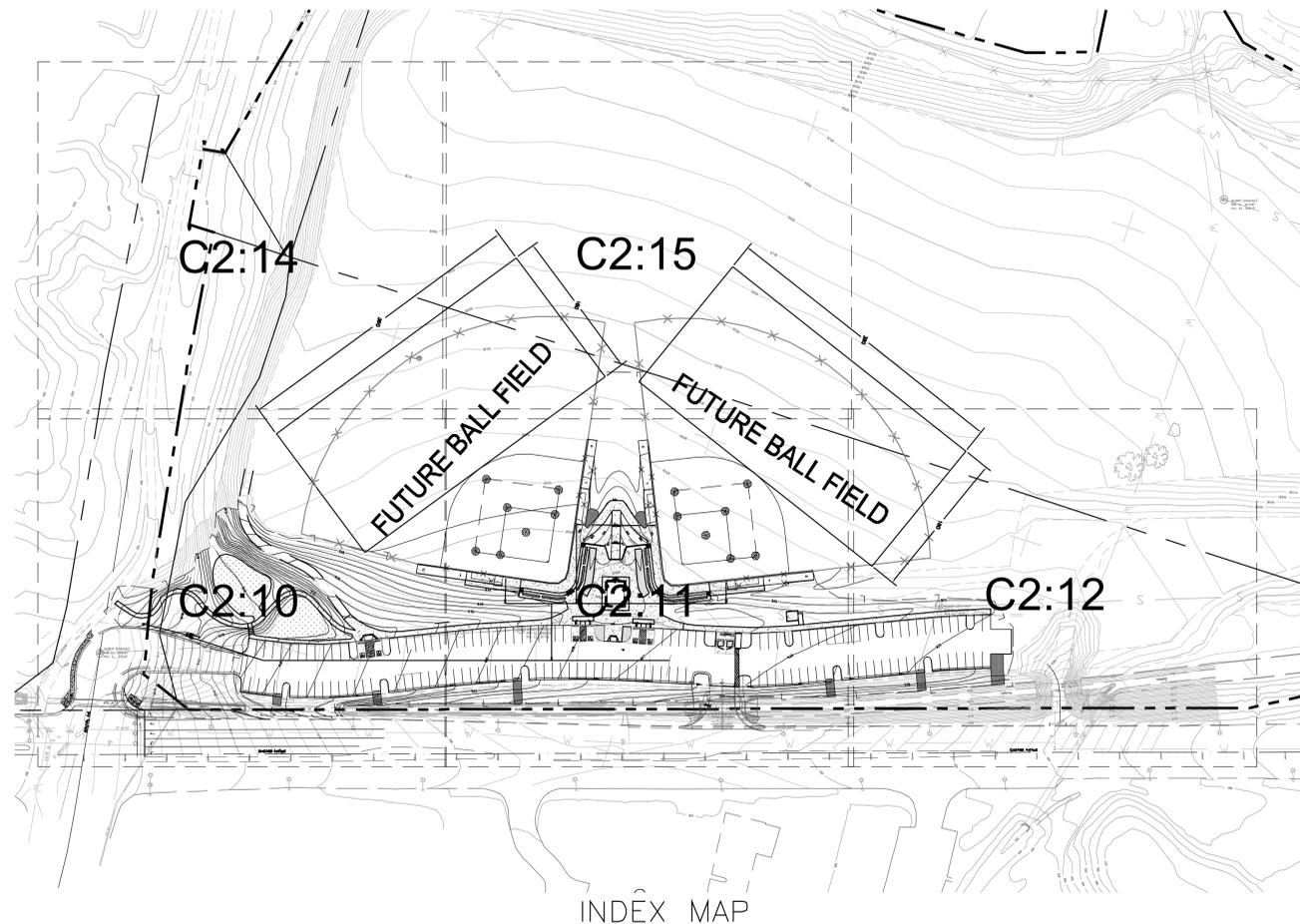
ANDULKA PARK IMPROVEMENTS GRADING AND PAVEMENT PLANS

1. ALL GRADING SHALL CONFORM TO THE RIVERSIDE MUNICIPAL CODE, TITLE 17 AND APPENDIX CHAPTER 33, VOL. 1 OF THE CURRENT CITY-ADOPTED EDITION OF THE UNIFORM BUILDING CODE.
2. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY JOHN R. BYERLY, INC., DATED APRIL 14, 1992, SHALL BE COMPLIED WITH DURING GRADING OPERATIONS. CITY BUSINESS TAX CERTIF. NO. 5463, EXP. DATE DEC. 31, 2006.
3. THIS PLAN IS FOR GRADING PURPOSES ONLY AND IS NOT TO BE USED FOR THE PURPOSE OF CONSTRUCTING ON-SITE OR OFF-SITE IMPROVEMENTS. ISSUANCE OF A PERMIT BASED ON THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS OR SIZES, PARKING LOT STRUCTURAL SECTIONS OR LAYOUT, ADA-RELATED REQUIREMENTS, BUILDING LOCATIONS OR FOUNDATIONS, WALLS, CURBING, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION. ON-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM APPROVED BUILDING PERMIT PLANS. OFF-SITE IMPROVEMENTS SHALL BE CONSTRUCTED FROM PLANS APPROVED FOR THIS PURPOSE BY THE PUBLIC WORKS DEPARTMENT.
4. CERTIFICATION FROM THE REGISTERED (CIVIL ENGINEER/ARCHITECT/LANDSCAPE ARCHITECT) STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOIL ENGINEER FOR FILL AREAS ARE REQUIRED PRIOR TO BUILDING PERMITS BEING ISSUED.
5. CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS.
 - A. ALL MANUFACTURED SLOPES IN EXCESS OF 5 FEET IN VERTICAL HEIGHT ARE TO BE PROTECTED FROM EROSION DURING ROUGH GRADING OPERATIONS AND, THEREAFTER, UNTIL INSTALLATION OF FINAL GROUND COVER. (SEE LANDSCAPE PLANS FOR FINAL GROUND COVER).
 - B. ALL SLOPE PROTECTION SWALES TO BE CONSTRUCTED AT THE SAME TIME AS BANKS ARE GRADED.
 - C. THE DEVELOPER AND HIS CONTRACTOR ARE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN AND SWPPP AND ALSO TO PROVIDE ANY ADDITIONAL EROSION CONTROL MEASURES (E.G., HYDROSEEDING, MULCHING OF STRAW, SAND-BAGGING, DIVERSION DITCHES, RETENTION BASINS, ETC.) DICTATED BY FIELD CONDITIONS TO PREVENT EROSION AND/OR THE INTRODUCTION OF DIRT, MUD OR DEBRIS INTO EXISTING PUBLIC STREETS AND/OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION CONTROL MEASURES NOTED ABOVE DURING THE PERIOD OCTOBER 15 TO APRIL 15.
6. ANY ON-SITE RETAINING WALLS SHOWN ON THIS PLAN THAT ARE UNDER 3 FEET IN HEIGHT AND SUPPORT A SURCHARGE OR THAT ARE OVER 3 FEET IN HEIGHT REQUIRE SEPARATE REVIEW, APPROVAL AND A BUILDING PERMIT FROM THE BUILDING DIVISION, PLANNING DEPARTMENT. ANY NECESSARY RETAINING WALLS ON THE PERIMETER OF THIS SITE SHALL BE IN PLACE AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO ISSUANCE OF THE GRADING PERMIT. APPROVED SEQUENCED GRADING WITH 1 1/2:1 MAXIMUM SLOPES TO WITHIN 2 FEET OF THE ADJACENT PROPERTY LINE MAY BE ACCEPTABLE TO ALLOW FOR ISSUANCE OF A GRADING PERMIT PRIOR TO COMPLETION OF ANY NECESSARY PERIMETER RETAINING WALLS. (IF NO RETAINING WALLS ARE SHOWN ON THE PLAN, DO NOT PUT THIS NOTE ON PLAN.)
7. ANY IMPROVEMENTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE PUBLIC WORKS DEPARTMENT.
8. ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT ARE TO BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).
9. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS DO NOT INTERFERE WITH PROVISION OF UTILITIES.
10. IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ADEQUATE COMPACTION HAS BEEN ATTAINED ON THE ENTIRE GRADING SITE, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
11. IT IS THE SOIL ENGINEER'S RESPONSIBILITY TO OBSERVE AND PERFORM COMPACTION TESTS DURING THE GRADING TO EVALUATE THE PREPARATION OF THE NATURAL GROUND SURFACE TO RECEIVE THE FILL AND THE COMPACTION ATTAINED IN THE FILL, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
12. EARTHWORK QUANTITIES ARE SHOWN FOR GRADING PERMIT PURPOSES ONLY, AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
13. GRADING OPERATIONS SHALL BE LIMITED TO BETWEEN THE HOURS OF 7 A.M. AND 7 P.M. ON WEEKDAYS AND BETWEEN 8 A.M. AND 5 P.M. ON SATURDAYS. NO GRADING WILL BE PERMITTED ON SUNDAY OR FEDERAL HOLIDAYS. (RIVERSIDE MUNICIPAL CODE, 7.35.010, ORDINANCE NO. 6273)

14. ASPHALT PAVEMENT SECTION SHALL BE:
PARKING STALLS = 4" A.C. OVER 7" A.B.
DRIVE AISLES = 4" A.C. OVER 7" A.B.
15. EARTHWORK VOLUMES:
CUT 2682 CUBIC YARDS
FILL 5668. CUBIC YARDS
NET 2986 CUBIC YARDS
16. CONTRACTOR SHALL REVIEW THE OVER EXCAVATION REQUIREMENTS SPECIFIED IN THE SPECIFICATIONS AND SOILS REPORTS PRIOR TO FILL AND COMPACTION.

EROSION SEDIMENT AND STORM WATER POLLUTION CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL NPDES REQUIREMENTS
2. AT MINIMUM, ALL WORK SHALL BE IN ACCORDANCE WITH THE EROSION CONTROL PLANS, THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AND THE RECOMMENDATIONS OF SOILS REPORT.
3. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
4. AFTER A RAINSTORM, ALL SEDIMENT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND DESILTING BASINS. ANY GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING A RAINSTORM SHALL BE IMMEDIATELY REPAIRED.
5. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT TRESPASS ONTO AREAS WHERE IMPOUNDED WATER MIGHT CREATE A HAZARDOUS CONDITION
6. CONTRACTOR TO PROVIDE TEMPORARY DAYLIGHT EROSION CONTROL AND AS NEEDED STABILIZATION AT THE LIMIT OF CONSTRUCTION FOR THIS PHASE.
7. FOR GRADING OF AREAS OF 1 ACRE OR MORE, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON-SITE AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) - SANTA ANA REGION AND/OR THE CITY OF RIVERSIDE.



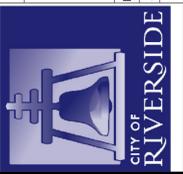
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REV	DATE	DESCRIPTION	BY

Sheet Title:
**GRADING,
PAVEMENT
NOTES
AND KEY MAP**

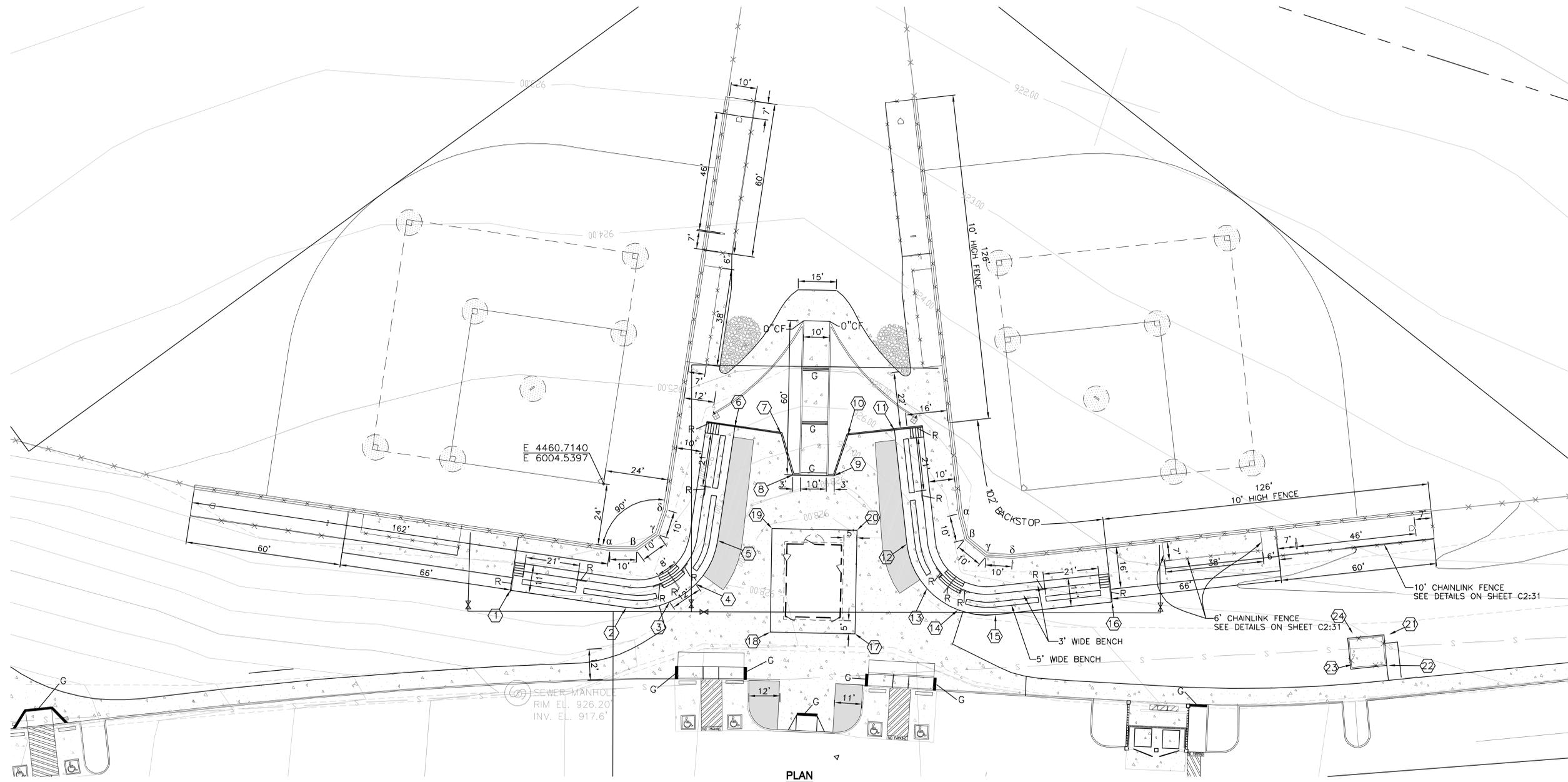
CITY OF RIVERSIDE
ANDULKA PARK
PHASE 2 IMPROVEMENTS
DWN BY: R. PEREZ
CHKD BY: J. CHANG
APPD BY: [Signature]
DWS NO. C1:10
SCALE AS NOTED
SHEET 05 OF 22 SHEETS



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PLAN

BACKSTOP DATA

α	172°00'00"
β	144°00'00"
γ	144°00'00"
δ	170°00'00"

CONCRETE BLEACHERS

NO	NORTHING	EASTING	BEARING/ DELTA	RADIUS	LENGTH	TANGENT
1	4439.374	6054.992	N9°34'08.37"W	-	45.18'	-
2	4483.9244	6047.481	31°30'41.34"	31'	17.05'	8.75'
3	4499.1362	6040.268	22°55'14.53"	31'	12.40'	6.28'
4	4506.6208	6030.484	35°34'04.13"	31'	19.24'	9.94'
5	4509.312	6011.74	S80°23'10.78"W	-	44.62'	-
6	4501.8596	5967.7424	N9°38'30.40"W	-	25.94'	-
7	4519.5434	5964.7381	N73°00'59.89"E	-	14.93'	-
8	4528.9236	5978.5581	N16°59'00.11"W	-	10.0'	-
9	4544.2258	5973.8846	S73°00'59.89"W	-	14.93'	-
10	4544.2841	5957.182	N24°19'29.82"W	-	25.94'	-
11	4560.6288	5949.794	N65°38'49.00"E	-	44.62'	-
12	4579.0299	5990.447	35°34'04.13"	31'	19.24'	9.94'
13	4591.7345	6004.489	27°09'34.00"	31'	14.68'	7.48'
14	4605.6925	6008.624	27°16'21.87"	31'	14.76'	7.52'
15	4620.0546	6005.905	N24°23'51.84"W	-	45.18'	-
16	4661.1992	5987.243				

CONCESSION BUILDING

NO	NORTHING	EASTING	BEARING/ DELTA	RADIUS	LENGTH	TANGENT
17	4570.8318	6029.7674	S16°59'00.11"E	-	32.71'	-
18	4539.5505	6039.3211	S72°58'09.47"W	-	40.22'	-
19	4527.7701	6000.8629	N16°59'00.11"W	-	32.74'	-
20	4559.0831	5991.2995	N73°00'59.89"E	-	40.22'	-
17	4570.8318	6029.7674				

ELECTRICAL TRANSFORMER PAD

NO	NORTHING	EASTING	BEARING/ DELTA	RADIUS	LENGTH	TANGENT
21	4066.6199	5966.1071	S73°00'59.89"W	-	14.00'	-
22	4070.1250	5977.5837	N16°59'00.11"W	-	12.00'	-
23	4756.7355	5981.6731	N73°00'59.89"E	-	14.00'	-
24	4053.2304	5970.1964	S16°59'00.11"E	-	12.00'	-
21	4066.6199	5966.1071				



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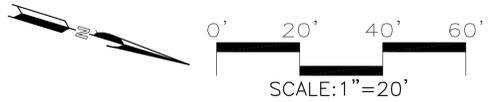
PREPARED BY:

REV	DATE	DESCRIPTION	BY	NAME

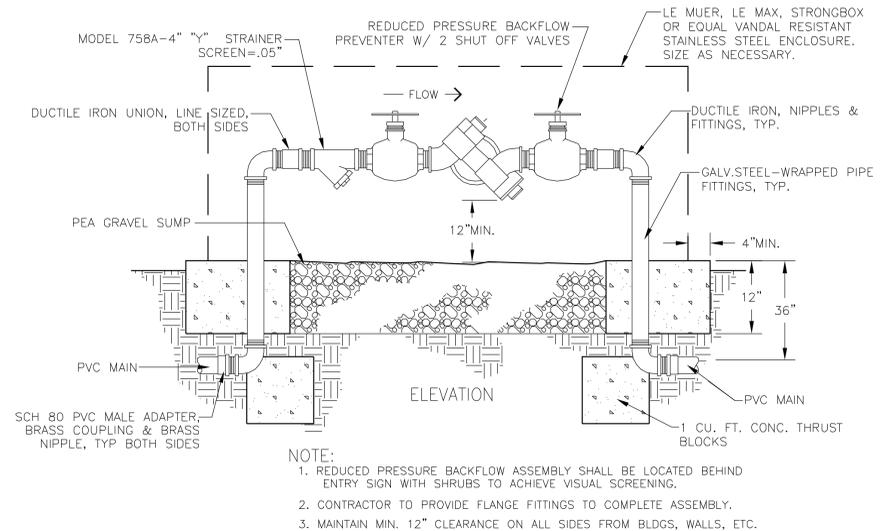
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FACILITY LAYOUT PLAN

CITY OF RIVERSIDE
 ANDULKA PARK
 PHASE 2 IMPROVEMENTS
 DWG. NO. C2.22
 SHEET 13 OF 22 SHEETS

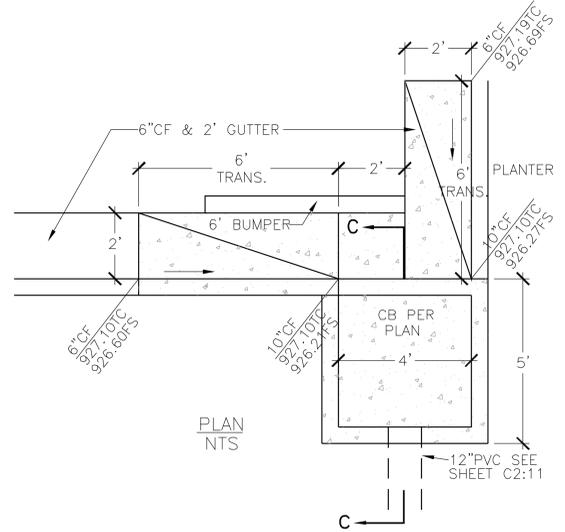


Date: April 2006



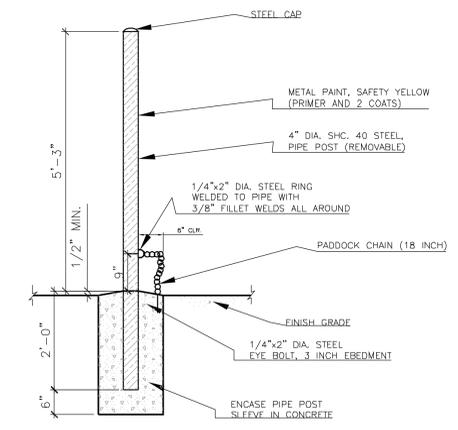
RPBF WITH ENCLOSURE

AA



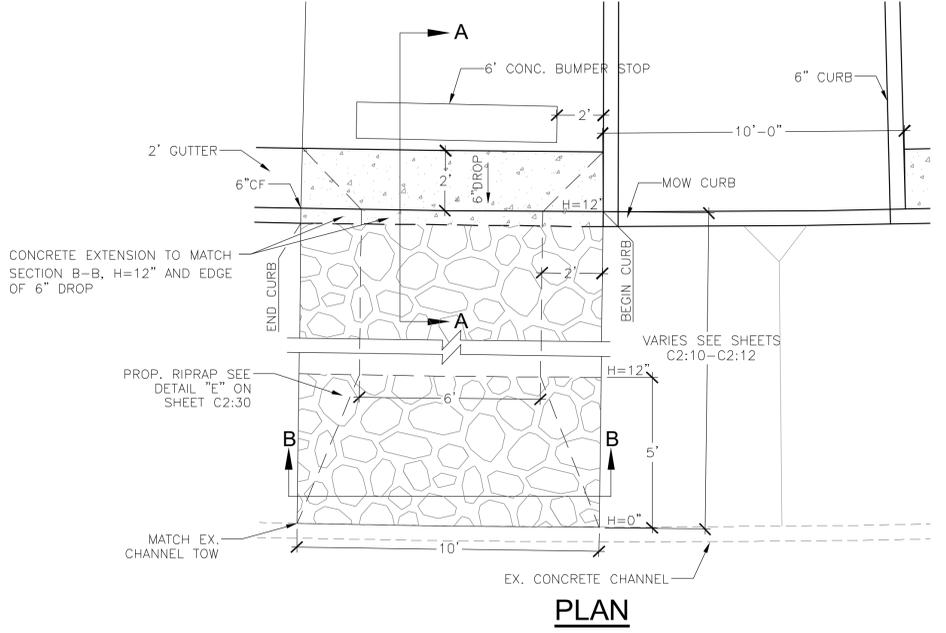
PLAN

NTS

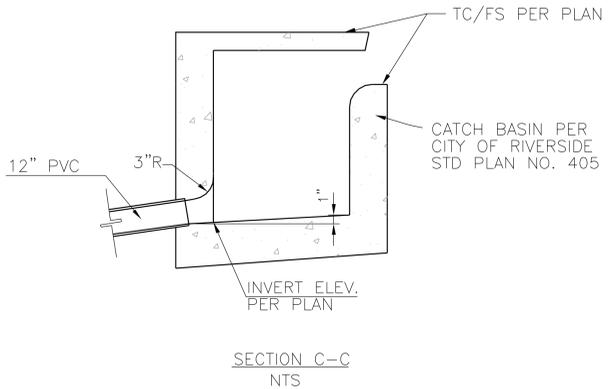


REMOVABLE BOLLARD

DD

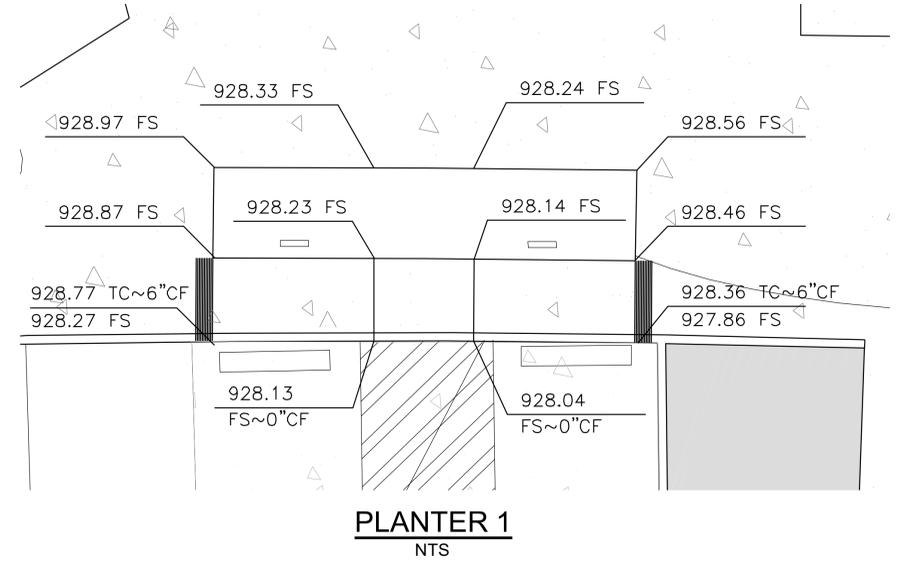


PLAN



SECTION C-C

NTS

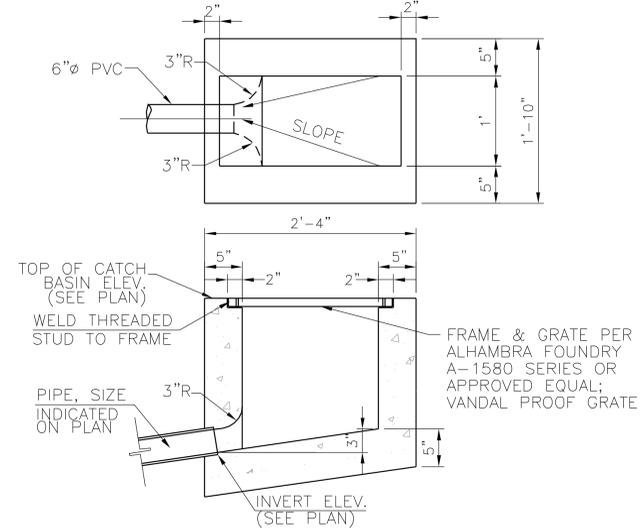


PLANTER 1

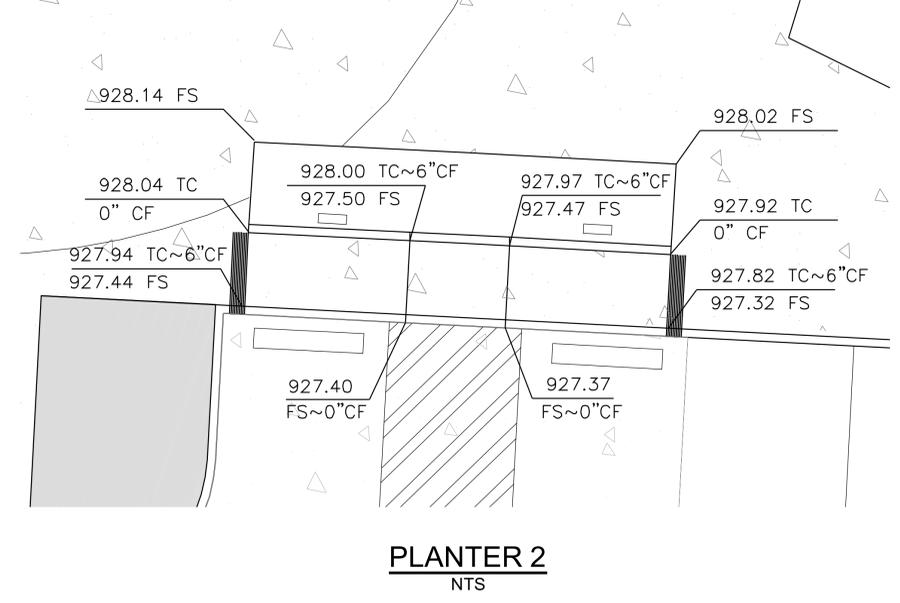
NTS

CATCH BASIN & LOCAL DEPRESSION

BB

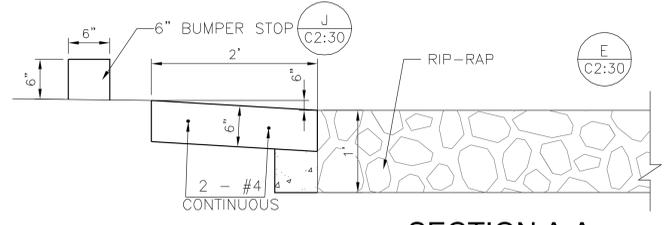


INVERT ELEV. (SEE PLAN)



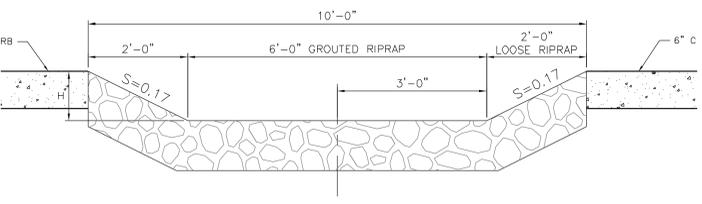
PLANTER 2

NTS



SECTION A-A

NTS



SECTION B-B

NTS

CURB OPENING

CC

CATCH BASIN

EE

PLANTER DETAILS

EE1

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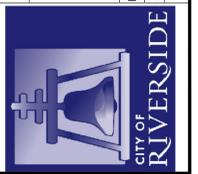
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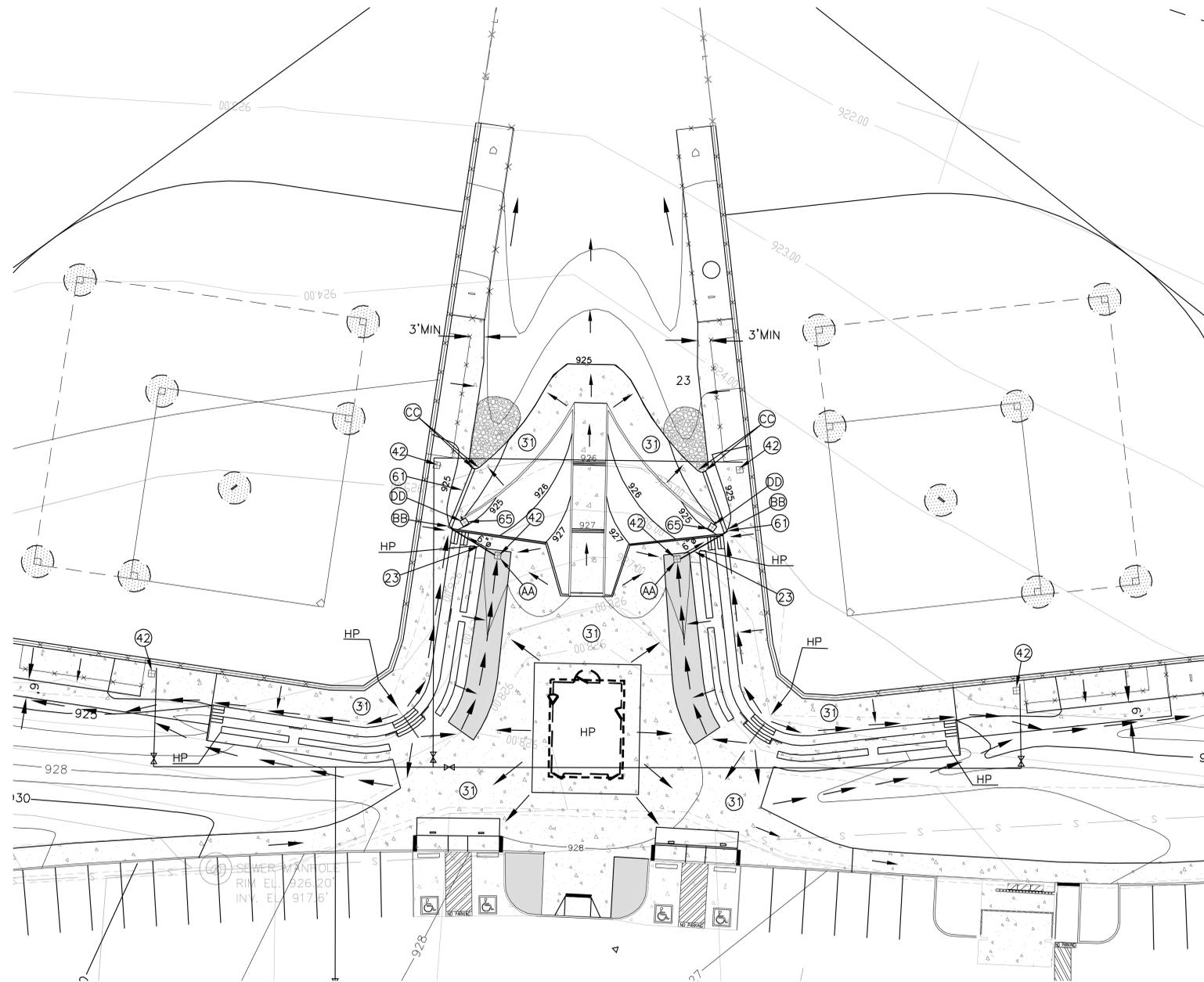
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REV	DATE	DESCRIPTION	BY	NAME

Sheet Title:
DETAILS 04

CITY OF RIVERSIDE
ANDULKA PARK
PHASE 2 IMPROVEMENTS
 DWG. NO. **C2:33**
 SHEET 17 OF 22 SHEETS
 DIVN BY: **R. PEREZ**
 APP'D BY: **J. CHANG**
 CK'D BY: **J. CHANG**
 SCALE: **AS NOTED**
 DATE:



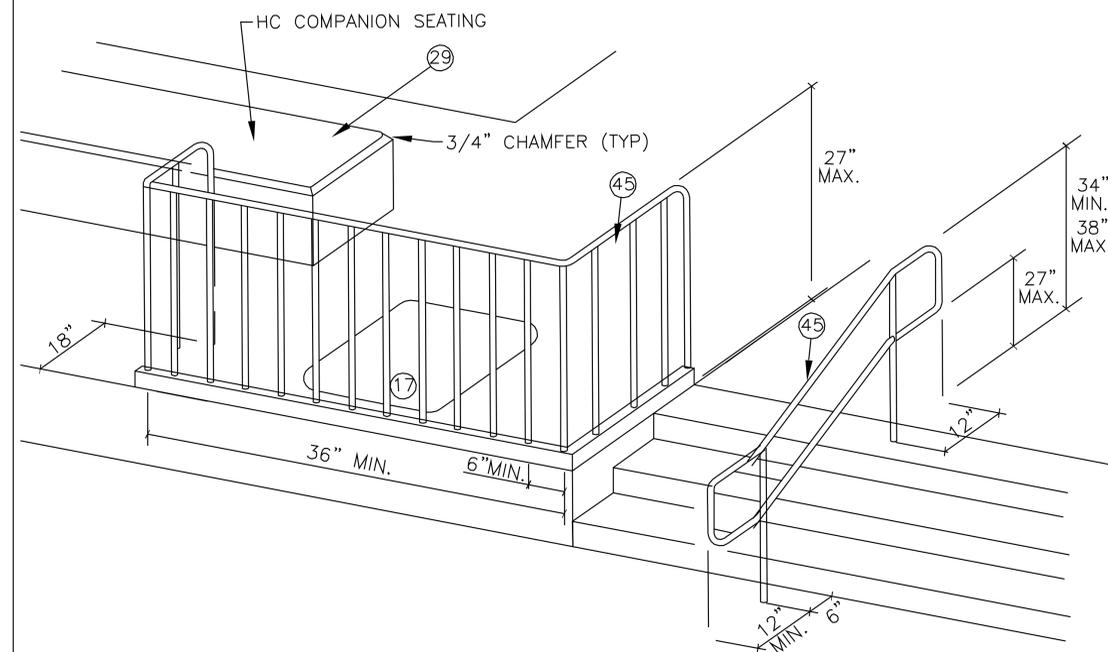


TOP OF GRATE & PIPE INVERT ELEV		
AA	927.80 TG	926.30 INV
BB	924.9 TG	924.40 INV
CC	924.7 TG	924.20 INV
DD	925.00 TG	924.40 INV

CONSTRUCTION NOTES

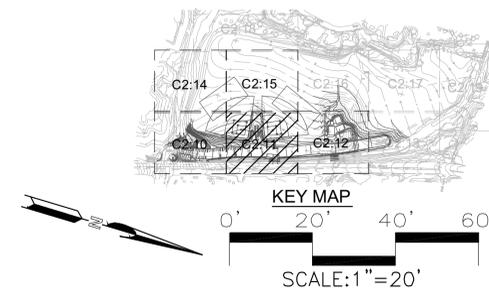
- (17) PAINT NEW HANDICAPPED "LOGO" PER DETAIL "I" ON SHEET C2:30.
- (23) CONSTRUCT 6"Ø PVC PIPE PER ASTM D1785 SCHEDULE 40
- (29) CONST. CONC. STAIRS AND BLEACHERS PER DETAIL "Z" ON SHEET C2:32.
- (31) CONST. 6" CONC. PAVEMENT PER DETAIL "F" ON SHEET C2:30.
- (42) CONST. 12" X 24" GRATE INLET PER DETAIL E-E ON SHEET C2:33.
- (45) INSTALL STAIR RAILING AND STEPS PER DETAIL "Y" ON SHEET C2:32.
- (61) INSTALL 20 LF, 6" DEEP GRATED INLET DRAIN PER CALTRANS STD DWG NO D98C.
- (65) CONSTRUCT 3"Ø PVC WITH 6"Ø AREA DRAIN INLET

DRAINAGE AND PAVEMENT PLAN



HANDICAP WHEEL CHAIR ACCESSIBLE SEATING AT BLEACHERS

FF



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REV	DATE	DESCRIPTION	BY

Sheet Title:
DETAILS 05

CITY OF RIVERSIDE
ANDULKA PARK
PHASE 2 IMPROVEMENTS

DWN BY: R. PEREZ
 APPD BY: J. CHANG
 DWS NO. C2:34
 SCALE AS NOTED
 SHEET 18 OF 22 SHEETS

ANDULKA PARK IMPROVEMENTS WATER, SEWER AND STORM DRAIN PLANS

SEWER GENERAL NOTES

1. THE CONTRACTOR SHALL CHECK THE FLOW LINE ELEVATION OF EXISTING JUNCTURE STRUCTURE AGAINST CONTROL PROVIDED PRIOR TO CONSTRUCTION. IF THE EXISTING FLOW LINE VARIES FROM THE PLAN ELEVATION BY MORE THAN +0.10' THE ENGINEER SHALL ADJUST THE GRADES BETWEEN THE JUNCTURE AND THE NEXT UPSTREAM MANHOLE, WITH THE APPROVAL OF THE ENGINEER.
2. ADJUST ALL MANHOLES TO GRADE AFTER PLACING FINAL PAVEMENT OR GROUND COVER.
3. CONTACT THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY OF THIS WORK.
4. PRIOR TO FINAL ACCEPTANCE, THE DEVELOPER SHALL PROVIDE A VIDEO TAPE OF ALL SEWER MAINS WHICH INCLUDES A LOG OF ALL CONNECTIONS AND MANHOLES. A CITY REPRESENTATIVE MUST BE PRESENT DURING THE TAPING. CONTACT THE MAINTENANCE DEPARTMENT AT LEAST 48 HOURS PRIOR TO TELEVISIONING THE SEWER.
5. WHEN THE SEWER MAINS AND LATERALS ARE COMPLETED, ALL ADJACENT UTILITIES ARE COMPLETED, LINES BALLED, 100% AIR TESTED, T.V. INSPECTION COMPLETE (PER T.V. SPECIFICATIONS), PLYWOOD PROTECTORS ON MANHOLE SHELVES, MORTARED PROTECTION PLATES ON CONES, AND AS BUILT WYE SHEETS SUBMITTED, THE SEWER WILL BE 95% COMPLETE.

STORM DRAIN GENERAL NOTES

- 1 ALL PIPE LENGTHS ARE THE HORIZONTAL DIMENSIONS, UNLESS OTHERWISE SHOWN.
- 2 FOR TRENCH EXCAVATIONS IN NATIVE SOIL, SHORING SHALL BE PROVIDED TO SATISFY STATE OF CALIFORNIA SAFETY REQUIREMENTS.
- 3 PIPE CONSTRUCTION IN FILL AREA MUST BE COORDINATED WITH THE GRADING TO INSURE THAT WHEN THE FILL OPERATION HAS BEEN COMPLETED AT GRADE THERE IS A MINIMUM ALLOWABLE DEPTH OF FILL ABOVE THE TOP OF PIPE.
- 4 ALL WORK MUST BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS AND RELATED STANDARD SPECIFICATIONS WHICH MUST BE KEPT AT THE JOB SITE AT ALL TIMES.
- 5 THE CONTRACTOR MUST NOTIFY THE CITY INSPECTOR AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- 6 ALL FILLS MUST BE COMPACTED TO 90% RELATIVE COMPACTION AS DETERMINED BY AASHTO T-99, ALL BACKFILL MATERIALS AND INSTALLATION PROCEDURES MUST BE PER ASTM A798 SPECIFICATIONS.
- 7 PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE STATE DIVISION OF INDUSTRIAL SAFETY. A COPY OF THE PERMIT SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
- 8 PRIOR TO THE PLACEMENT OF STORM DRAIN IMPROVEMENTS, THE SOIL ENGINEER SHALL CERTIFY IN WRITING TO THE INSPECTOR THAT THE STORM DRAIN'S SUB GRADE IS OF ADEQUATE STRENGTH TO SUPPORT THE STRUCTURES AND ANY ANTICIPATED LOADS.
- 9 LENGTH OF MANHOLE STRUCTURES MAY BE INCREASED TO MEET PIPE ENDS AT OPTION OF CONTRACTOR.
- 10 SHAPE MONITORING (MEASURING RISE AND SPAN) ARE REQUIRED TO INSURE PROPER COMPACTION AND LIMIT VERTICAL PIPE DEFLECTION TO 5%.

WATER GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND IN CONFORMANCE WITH THE CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT, WATER DIVISION, STANDARD SPECIFICATION NO. 205 FOR WATER DISTRIBUTION SYSTEMS, LATEST REVISION; ALL APPLICABLE A.W.W.A. STANDARDS AND SPECIFICATIONS, EXCEPT AS NOTED; AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), LATEST ADOPTED EDITION AND AMENDMENTS.
2. ALL WATER MAINS 12 INCH AND UNDER SHALL BE CLASS 350 D.I.P. PER A.W.W.A. C-151.
3. APPROVAL OF THIS PLAN BY THE WATER DIVISION DOES NOT RELIEVE THE PRIVATE ENGINEER OF THE DESIGN RESPONSIBILITY THEREOF. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
4. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF THE CONSTRUCTION SHOWN HEREON.
5. WATER MAINS SHALL BE LAID TO THE LINE AND GRADE SHOWN ON THE PLAN.
 - A. THE DEVELOPER'S ENGINEER SHALL PROVIDE A CONSTRUCTION OFF-SET LINE AND STATION ALL FITTINGS AND APPURTENANCES. CUT SHEETS SHALL BE PROVIDED FOR PIPELINES ON ALL STREETS.
 - B. MINIMUM DEPTH OF COVER OVER WATER MAINS UNDER 12 INCHES IN DIAMETER SHALL BE 3.0 FEET, UNLESS OTHERWISE NOTED. ALL 12 INCH DIAMETER WATER MAINS SHALL HAVE 4.0 FEET OF COVER.
6. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, CABLES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN, OR ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
7. PROPOSED ELECTRICAL UNDERGROUND AND STREET LIGHT FACILITIES ARE NOT SHOWN ON THE PLAN. THE CONTRACTOR SHALL COORDINATE INSTALLATION WITH THE DEVELOPER AND PUBLIC UTILITIES DEPARTMENT, ELECTRICAL DIVISION, 951-826-5452, FOR LOCATIONS OF THE PROPOSED ELECTRICAL AND STREET LIGHT FACILITIES.
8. PIPE SHALL BE HANDLED SO AS TO PROTECT PIPE AT ALL TIMES AND SHALL BE CAREFULLY BEDDED TO PROVIDE CONTINUOUS BEARING AND TO PREVENT UNEVEN SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST FLOTATION AT ALL TIMES. OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
9. UNLESS OTHERWISE APPROVED, WATER MAINS AND SEWER MAINS SHALL NOT CROSS WITH LESS THAN 1.0 FOOT OF VERTICAL CLEARANCE. WATER SERVICE LINES AND SEWER LATERALS SHALL NOT BE IN THE SAME TRENCH, A MINIMUM, HORIZONTAL CLEARANCE OF 10 FEET IS REQUIRED. WATER MAINS SHALL CLEAR ALL HOUSE SEWER LATERALS BY A MINIMUM OF 1.0 FOOT VERTICAL CLEARANCE (PER CWD-021 AND CWD-022).
10. WATER METER BOXES AND FIRE HYDRANTS SHALL BE PLACED AT CURB SITE LOCATIONS. THE CONTRACTOR SHALL ADJUST THE METER BOXES TO SIDEWALK GRADE AFTER THE SIDEWALKS HAVE BEEN POURED.
11. A MATERIAL LIST, PER WATER DIVISION SPECIFICATION NO. 205, SECTION 3-11 AND MATERIAL CERTIFICATIONS MUST BE SUBMITTED FOR WATER DIVISION APPROVAL PRIOR TO INSTALLATION.
12. THE CONTRACTOR MAY BEGIN CONSTRUCTION ONLY AFTER A PRECONSTRUCTION MEETING IS HELD WITH THE WATER DIVISION ENGINEERING STAFF. CONTACT WATER CONSTRUCTION INSPECTION AT 951-826-5549, AT LEAST ONE WEEK PRIOR TO THE PLANNED START OF CONSTRUCTION OF THE WATERLINES TO ARRANGE THIS MEETING.
13. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO STREET OPENING PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA. ALL NECESSARY PERMITS SHALL BE TAKEN OUT BY THE CONSTRUCTION CONTRACTOR. A STREET OPENING PERMIT, ISSUED BY THE PUBLIC WORKS DEPARTMENT, OR A RIVERSIDE COUNTY ENCROACHMENT PERMIT, DEPENDING UPON JURISDICTION, IS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
14. THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES, PRIOR TO CONSTRUCTION, TO DETERMINE THE DEPTH OF COVER. THE WATER MAIN SHALL BE INSTALLED WITH THE REQUIRED VERTICAL CLEARANCE. IF INSUFFICIENT COVER EXISTS, THE CONTRACTOR SHALL THE CONTACT THE PRIVATE ENGINEER WHO SIGNED THE PLAN TO DETERMINE AN ACCEPTABLE SOLUTION.
15. PRIOR TO TRENCHING, THE CONTRACTOR SHALL REQUEST WATER DIVISION INSPECTION TWO WORKING DAYS PRIOR TO TRENCHING. PLANS AND SPECIFICATIONS SHALL BE ON-SITE AT ALL TIMES.
16. WATER MAINS SHALL BE SAND BEDDED. NATIVE MATERIAL WITH A SAND EQUIVALENT GREATER THAN 30 WILL BE ALLOWED.
17. THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES UNTIL HE HAS OBTAINED AS-BUILT STATIONING ON ALL FITTINGS AND APPURTENANCES.
18. THE CONTRACTOR SHALL BULKHEAD MAINS, PLACE AND COMPACT BACKFILL, TEST, STERILIZE AND PASS BACTERIOLOGICAL TESTING BEFORE ANY TIE-INS ARE MADE TO THE CITY SYSTEM. CITY FORCES WILL MAKE THE FINAL SYSTEM CONNECTIONS FROM THE EXISTING MAIN. NO CONNECTIONS WILL BE MADE UNTIL ALL TESTING IS COMPLETE AND WRITTEN PASSING BACTERIOLOGICAL TEST RESULTS HAVE BEEN SUBMITTED TO THE WATER DIVISION.
 - A. PRESSURE TESTING SHALL BE CONDUCTED AFTER THE TRENCH BACKFILL HAS PASSED THE REQUIRED COMPACTION TESTS. HYDRO TEST PRESSURE SHALL BE 200 PSI FOR TWO HOURS. THE LEAKAGE LIMIT IS 15 GALLONS PER INCH DIAMETER PER MILE, PER 24 HOURS.
 - B. GAS CHLORINATION IS REQUIRED FOR A MINIMUM PERIOD OF 24 HOURS. AFTER THE MINIMUM CHLORINATION CONTACT TIME, THE CONTRACTOR SHALL DECHLORINATE THE TEST WATER IN ACCORDANCE WITH THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SANTA ANA REGION ORDER NO. 98-67 AND NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) NO. CAG998001.
 - C. A MINIMUM OF TWO BACTERIOLOGICAL TESTS ARE REQUIRED, PER DAY. APPROXIMATELY ONE SAMPLE SHALL BE TAKEN PER 500 FEET OF MAIN FOR TWO CONSECUTIVE DAYS.
19. REFER TO CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT DRAWINGS (LIST THE R-, S-, AND D- NUMBERS) FOR PROJECT COORDINATION.
20. BLUE HYDRANT REFLECTORS ARE REQUIRED FOR EACH HYDRANT.
21. PRIOR TO TURNING ON WATER METERS (DOMESTIC AND IRRIGATION), AND/OR FIRE SERVICES, ARRANGE FOR INSTALLATION, TESTING, AND CERTIFICATION OF ALL NEEDED BACK FLOW PROTECTION DEVICES, WHETHER SUCH DEVICES ARE SHOWN ON THE PROJECT PLANS OR NOT. APPROVED BACK FLOW PROTECTION DEVICES SHALL BE INSTALLED ON-SITE BY THE CONTRACTOR IN CONFORMANCE WITH CODE REGULATIONS AND CITY REQUIREMENTS.



WRC Consulting Services Inc.
1800 E. Garry Ave Suite 213
Santa Ana, CA 92705
Tel: (949) 833-8388
Fax: (949) 833-8380



REV	DATE	DESCRIPTION	BY	NAME

Sheet Title:
SEWER, WATER & STORM DRAIN NOTES

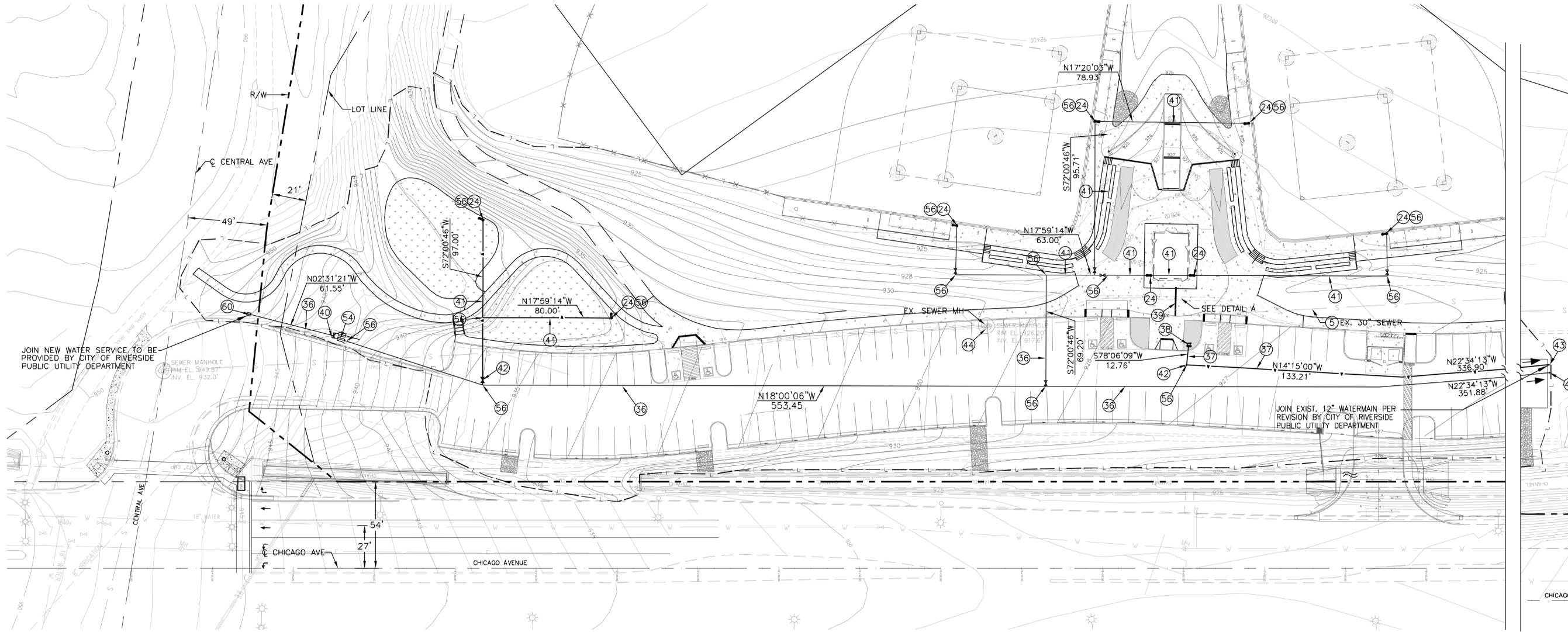
CITY OF RIVERSIDE
ANDULKA PARK
PHASE 2 IMPROVEMENTS
DWG. NO. C3:10
SHEET 19 OF 22 SHEETS
APP'D BY: R. PEREZ
CHK'D BY: J. CHANG
SCALE: AS NOTED



DIAL BEFORE YOU DIG
1-800-422-4133

PLAY IT SAFE, DIAL BEFORE YOU DIG!
AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

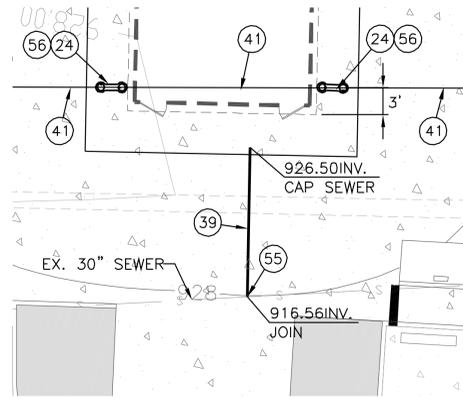
SERVING NINE SOUTHERN CALIFORNIA COUNTIES



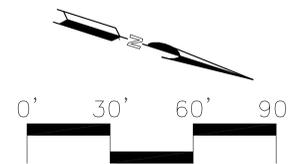
WATER/SEWER PLAN

B CONSTRUCTION NOTES

- (5) PROTECT IN PLACE.
- (24) INSTALL DRINKING FOUNTAIN PER DETAIL "W" ON SHEET C2:32, PER MANUFACTURER'S SPECIFICATIONS.
- (36) REMOVE.
- (36) CONST. 4" WATERLINE, CLASS 350 D.I.P. PER AWWA C-151
- (37) CONST. 6" WATERLINE, CLASS 350 D.I.P. PER AWWA C-151
- (38) CONST. REGULAR FIRE HYDRANT PER CITY OF RIVERSIDE PUBLIC UTILITY STD. DRAWINGS CWD-700.
- (39) CONST. 4" SEWER LATERAL, PER CITY OF RIVERSIDE STD. DWG. 562.
- (40) CONST. BACKFLOW PREVENTOR PER PLAN AND DETAIL ON SHEET C2:33.
- (41) CONST. 2" WATERLINE PER CITY OF RIVERSIDE PUBLIC UTILITY STD. DRAWINGS CWD-601.
- (42) CONST. 4"x6" REDUCER.
- (43) INSTALL ENDCAP WITH BLOWOFF PER CITY OF RIVERSIDE PUBLIC UTILITY STD. DRAWINGS CWD-411A
- (44) ADJUST TO GRADE.
- (54) INSTALL 4" WATER METER SERVICE PER CITY OF RIVERSIDE UTILITIES STD. DRAWING CWD-620-1.
- (55) CONST. JUNCTION STR. PER CITY OF RIVERSIDE STD. DRAWING 423, CASE 3.
- (56) CONST. THRUST BLOCK PER CITY OF RIVERSIDE UTILITIES STD. DRAWING CWD-030.
- (60) NEW WATER TO BE PROVIDED BY RIVERSIDE PUBLIC UTILITY DEPARTMENT



DETAIL A



Date: April 2006

SCALE: 1" = 30'

WRC Consultant Services Inc.
 1800 E. Garry Ave Suite 213
 Santa Ana, CA 92705
 Tel: (949) 833-8368
 Fax: (949) 833-8380

PREPARED BY: Consulting Services, Inc.

REV	DATE	DESCRIPTION	BY	NAME

Sheet Title:

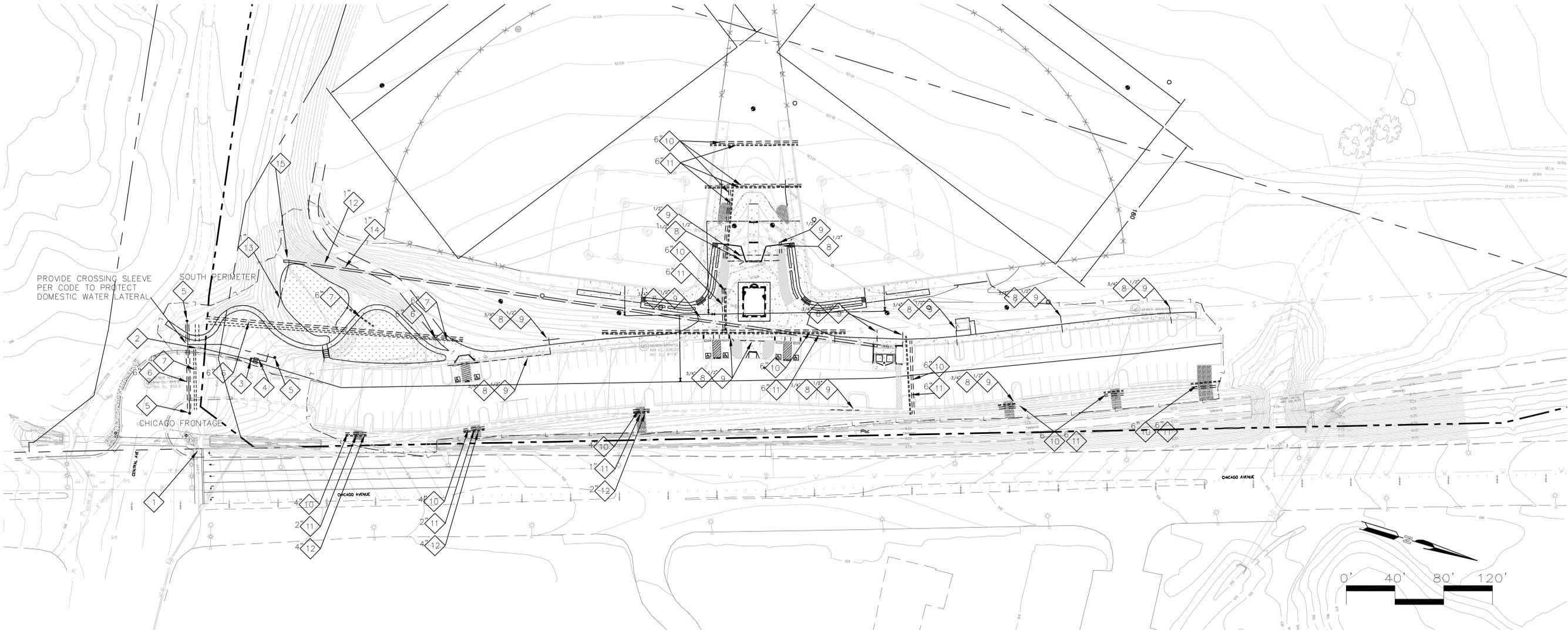
SEWER & WATER PLAN

CITY OF RIVERSIDE

ANDULKA PARK PHASE 2 IMPROVEMENTS

DWG. NO. C3:13
 SHEET 22 OF 22 SHEETS

DWN BY: R. PEREZ
 APP'D BY: J. CHANG
 CKD BY: J. CHANG
 SCALE AS NOTED



SLEEVE GENERAL NOTES

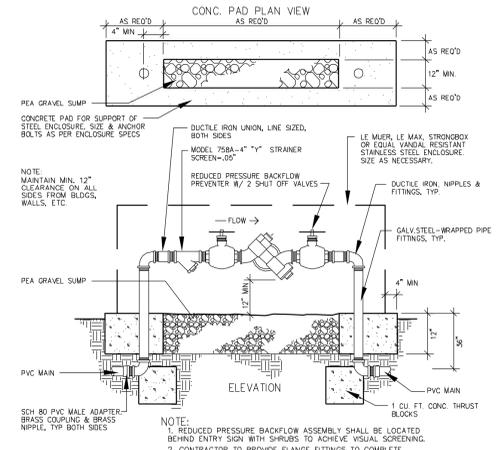
1. THE CONTRACTOR SHALL STAKE THE MAINLINE AND CONDUIT ROUTE AND VERIFY ALIGNMENT AND CONSTANT SLOPE BEFORE AND AFTER TRENCHING. CONTRACTOR SHALL MAINTAIN ENOUGH CLEARANCE FOR CONSTRUCTION OF CURBS, GUTTERS, WALLS, PAVING AND FUTURE POP-OUTS.
2. PROVIDE 2" SAND LEVELING BED UNDER ALL MAINLINE SLEEVES AND VERIFY CONSTANT SLOPE ALONG RUN BEFORE BACKFILLING.
3. ALL BACKFILL MUST BE COMPACTED TO 90% RELATIVE TO ADJACENT SOIL. SAND-CEMENT SLURRY WILL BE ALLOWED IN AREAS OF FUTURE PAVEMENT BETWEEN THE CURBS.
4. ALL SLEEVES AND CONDUIT SHALL HAVE AN INTERNAL PULL ROPE THAT EXTENDS FOUR FEET AT BOTH ENDS AND IS SECURED WITH DUCT TAPE TO THE EXTERIOR SURFACE.

IRRIGATION SLEEVE PLAN SYMBOL LEGEND

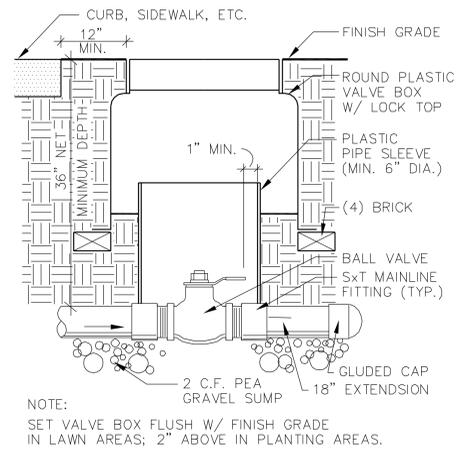
- SCH 40 PVC MAINLINE
- SCH 40 PVC MAINLINE SLEEVE
- SCH 40 PVC CONTROL WIRE SLEEVE
- SCH 40 PVC LATERAL SLEEVE
- SCH 80 PVC COMM. & TELE. SLEEVE
- SCH 80 PVC 4" BALL VALVE
- FEBCO MODEL 860-4" REDUCED PRESSURE BACKFLOW PREVENTER
- FEBCO MODEL 758A-4" STRAINER

IRRIGATION SLEEVE PLAN KEYNOTES

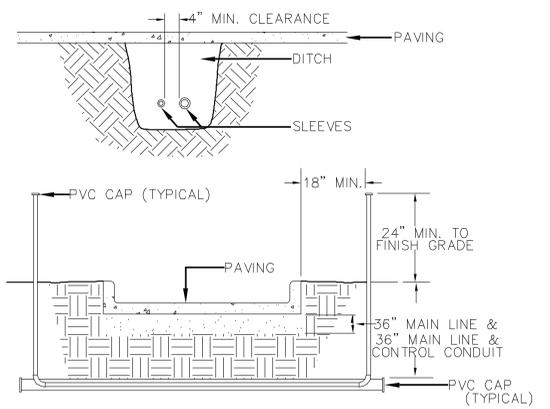
- 1 (E) 4" DOMESTIC WATER METER
- 2 (N) DOMESTIC WATER LINE SEE WATER PLANS FOR DETAILS
- 3 (N) 4" TEE FOR IRRIGATION P.O.C. SEE WATER PLANS FOR DETAILS
- 4 (N) FEBCO REDUCED PRESSURE BACKFLOW PREVENTER MODEL 960-4" WITH MODEL 758A STRAINER
- 5 (N) 4" BALL VALVE AND CAPPED EXTENSION FOR FUTURE IRRIGATION
- 6 (N) MAINLINE & SLEEVE
- 7 (N) 4" CONTROL WIRE SLEEVE PROVIDE PULL ROPE
- 8 (N) SCH 40 LATERAL -SIZE SHOWN TAPE ENDS CLOSED
- 9 (N) SCH 40 DRIP LATERAL -SIZE SHOWN TAPE ENDS CLOSED
- 10 (N) SCH 40 MAINLINE SLEEVE SIZE SHOWN TAPE END CLOSED
- 11 (N) CONTROL WIRE SLEEVE PROVIDE PULL ROPE
- 12 (N) 110 V FUTURE POWER CONDUIT COORDINATE WITH POWER PANEL SWEEP LOCATION PROVIDE PULL ROPE
- 13 (N) TELEPHONE CONDUIT COORDINATE WITH TELEPHONE PANEL FOR SWEEP LOCATION PROVIDE PULL ROPE
- 14 (N) SENSOR CONDUIT COORDINATE WITH BUILDING PLAN TO ALLOW FOR ROOF ACCESS PROVIDE PULL ROPE
- 15 (N) STRONG BOX ENCLOSURE WITH PEDISTAL AND BASE TEMPLATE CENTERED OVER CONDUIT SWEEPS



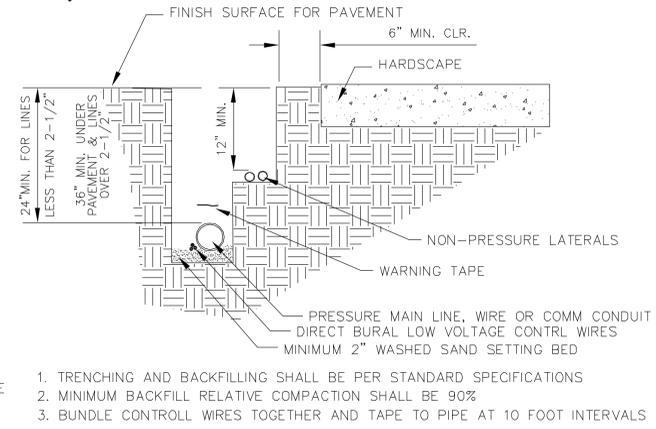
RPBF W/ ENCLOSURE



BALL VALVE

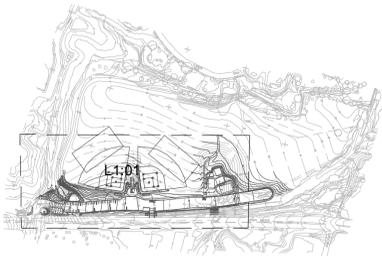


TRAFFIC AREA SLEEVING



IRRIGATION DISTRIBUTION TRENCHING

- NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE SCHEDULE 40 PIPE.
 2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
 3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
 4. COMPACT PER SPECIFICATIONS.



KEY MAP
Date: April 2006



WRC Consultant Services Inc.
1800 E. Garry Ave Suite 213
Santa Ana, CA 92705
Tel: (949) 833-8388
Fax: (949) 833-8380



REV	DATE	DESCRIPTION	BY
DELTA - 12-22-22			

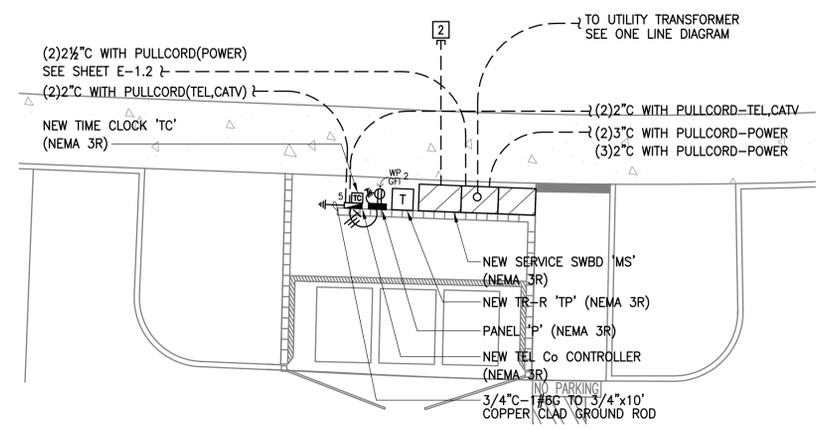
Sheet Title:
IRRIGATION SLEEVE LAYOUT

CITY OF RIVERSIDE
ADULKA PARK
597 CHICAGO AVENUE RIVERSIDE CA 92507-6827
PHASE 2 IMPROVEMENTS
ROLLING L1.01
P-603815
SHEET 02 OF 12 SHEETS

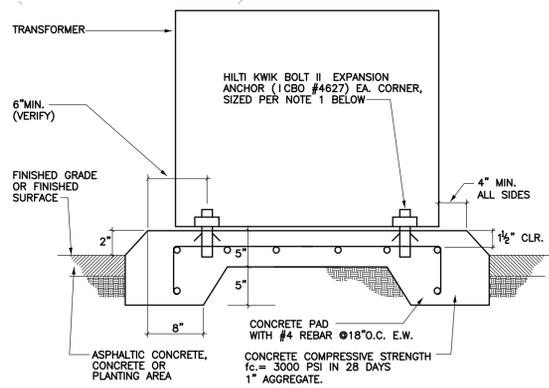
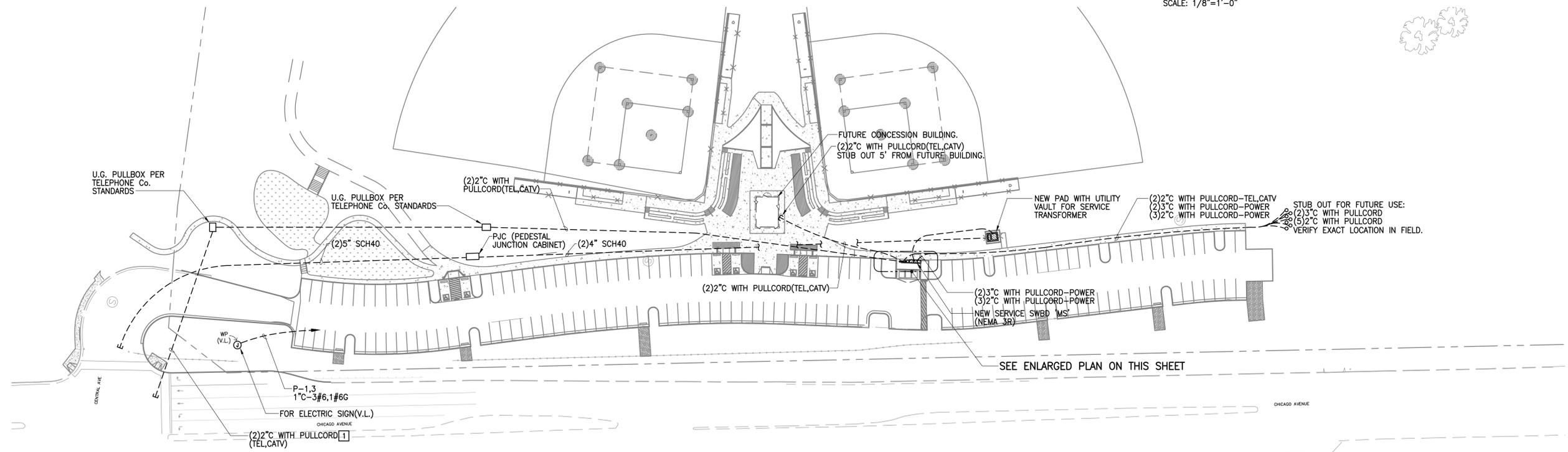


PANEL: 'P'		(NEW)		PANEL VOLTAGE: 208/120 3 ϕ 4 W		CIRCUIT CODE: blank or N : NON-CONTINUOUS									
DATE: 01/04/06 TIME: 09:07:42		BUS: 100A		L : LONG-CONTINUOUS		R : DEMANDABLE RECEPTACLES									
JOB: ANDULKA PARK		MAINS: 50A-3P MCB		K : KITCHEN		NO. OF EQUIPMENT: 0									
AIC RATING: 10,000		(NEMA 3R)													
EXT NO	TRIP	LOAD DESIGNATION	C O N N E C T E D V A						LOAD DESIGNATION	TRIP	POLE	EXT NO			
CODE		(NOTE) M R L	ϕ A	ϕ B	ϕ C	A B C	ϕ A	ϕ B	ϕ C	L R M	(NOTE)	DESCRIPTION	TRIP	CODE	EXT NO
1	20	1 SIGN			1200				180		1	GENERAL OUTLET	20	1	2
3	20	1 SIGN			1200							SPARE	20	1	4
5	20	1 TELEPHONE CONTROLLER			250							SPARE	20	1	6
7	20	1 SPARE		X				X				SPARE	20	1	8
9	20	1 SPARE		X				X				SPARE	20	1	10
11	20	1 SPARE		X				X				SPARE	20	1	12
13	20	1 SPARE		X				X				SPARE	20	1	14
15	20	1 SPARE		X				X				SPARE	20	1	16
17	20	1 SPARE		X				X				SPARE	20	1	18
19		SPACE		X				X				SPACE			20
21		SPACE		X				X				SPACE			22
23		SPACE		X				X				SPACE			24

PANEL NOTES:		PHASE TOTALS	ϕ A:	1380	ϕ B:	1200	ϕ C:	250	TOTAL CONNECTED VA	2830
① CONTROLLED BY ASTRONOMICAL DIAL TIME CLOCK WITH MANUAL OVERRIDE AND OMIT-A-DAY FEATURE.		CONNECTED VA (CODE N)	2830							
		CONNECTED VA (CODE L)	0							
		CONNECTED VA (CODE R)	0							
		CONNECTED VA (CODE K)	0							
		PANEL CONNECTED KVA	2.8							
		PANEL DEMAND KVA	2.8							
		PANEL DEMAND AMPS	7.9							
		HIGH ϕ AMPS W/LCL	11.5							



ENLARGED SWBD DISTRIBUTION - REFER TO SHEET E-1.2
SCALE: 1/8"=1'-0"



- NOTES:**
- DIAMETER & EMBEDMENT OF EXPANSION ANCHORS SHALL BE BASED ON TRANSFORMER WEIGHT AS FOLLOWS:
 - a. UNDER 500 LBS - MIN. 1/2" ϕ x 3" EMBED.
 - b. 500 LBS TO 1000 LBS - MIN. 3/8" ϕ x 4" EMBED.
 - c. 1000 LBS TO 1500 LBS - MIN. 3/4" ϕ x 4" EMBED.
 - d. 1500 LBS TO 2000 LBS - MIN. 3/4" ϕ x 5" EMBED.
 - SEISMIC RESTRAINT IS BASED ON 1998 CBC TABLE 16A-0-3B, SECTION 1632A.

RIVERSIDE PUBLIC UTILITY NOTES:

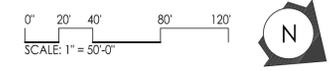
- CONTACT BOBBY HARRIS AT (951)826-5160 FOR QUESTIONS REGARDING PUBLIC UTILITIES (ELECTRIC) CONDITIONS/CORRECTIONS, SEE NOTES BELOW.
- ELECTRIC SWITCH GEAR DOOR SHALL HAVE SCHLAGE LOCK, KEYED TO RIVERSIDE PUBLIC UTILITIES MASTER KEY, OR SHALL HAVE A DOUBLE HASP. WORKING SPACE NEAR THE METER PANEL IS REQUIRED PER 1999 NEC 110-26. THE MOUNTING HEIGHT OF ELECTRIC METERS SHALL BE BETWEEN 48 AND 75 INCHES ABOVE THE WORKING AREA REQUIRED BY NEC 110-26.
- THE MAIN ELECTRIC PANEL SWITCHGEAR SHALL CONFORM TO THE EUSERC/CITY OF RIVERSIDE REQUIREMENTS. PRIOR TO MANUFACTURING, THE MAIN ELECTRIC PANEL SWITCH GEAR DRAWINGS SHALL BE APPROVED BY THE CITY OF RIVERSIDE, PUBLIC UTILITIES ELECTRIC DIVISION. SEND SEVEN ORIGINAL APPROVAL DRAWINGS TO:
UTILITY INSPECTOR
ELECTRIC ENGINEERING 4TH FLOOR
3900 MAIN STREET, RIVERSIDE CA 92522
- THE ELECTRIC UTILITY STRUCTURES SHOWN ARE FOR BIDDING AND PERMIT APPLICATION PURPOSES ONLY. COORDINATE WITH THE CITY OF RIVERSIDE, PUBLIC UTILITIES ELECTRIC DIVISION (951-826-5489) FOR ACTUAL CONSTRUCTION PLANS, SPECIFICATIONS AND SERVICE CHARGES. COORDINATE WITH THE UTILITY INSPECTOR (951-826-5489) PRIOR TO INSTALLATION OF FACILITIES AND BACKFILLING.

SPECIFIC NOTES:

- STUB OUT CONDUITS FOR TELEPHONE AND CATV. VERIFY EXACT LOCATION IN FIELD.
- STUB OUT (2)2" ϕ , (4)1 1/2" ϕ , WITH PULL CORD FOR FUTURE. IDENTIFY STUB OUTS AS REQUIRED.

GENERAL NOTES:

- MINIMUM BRANCH CIRCUIT CIRCUIT FOR THE PARKING LIGHTING IS 1" DIAMETER. MINIMUM SIZE OF BRANCH CIRCUIT WIRES FOR THE PARKING LOT LIGHTING IS #8(Cu)THHN/THWN.



DATE _____

Under Contract with
WRC Consultant Services Inc. - Santa Ana, CA

CITY OF RIVERSIDE
ANDULKA PARK
PHASE 2 IMPROVEMENTS

POWER
AND SIGNAL
SITE PLAN

Sheet Title:

POWER
AND SIGNAL
SITE PLAN

DWG. NO. E-1.1
SHEET 2 OF 3 SHEETS

APPROVED BY: _____ DATE _____
CITY ENGINEER

DRAWN BY: RL
CHECKED BY: FR
SCALE: AS NOTED

CITY OF RIVERSIDE

