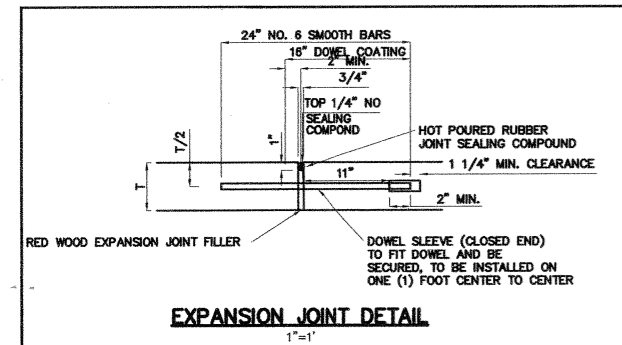
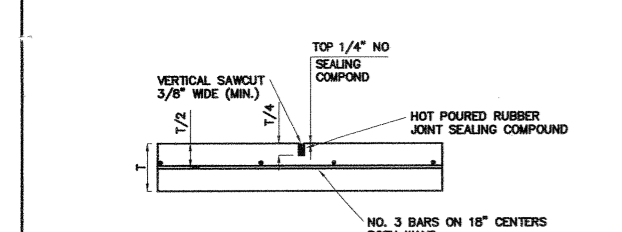


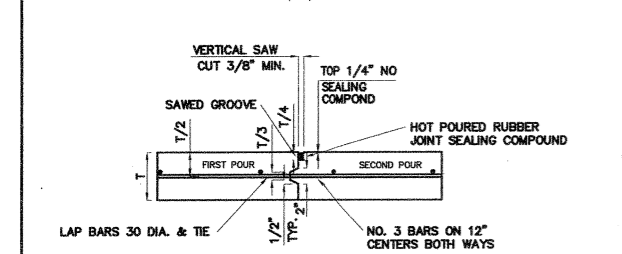
S:\Land Projects\2004\293-07.dwg\01000DET.dwg 6/10/2005 9:16:09 AM CST



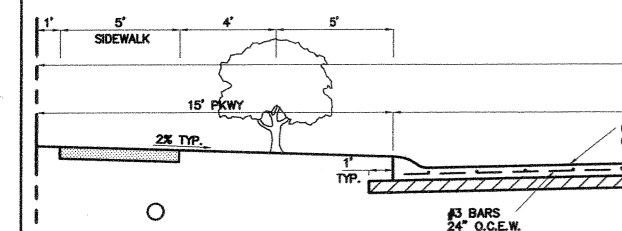
EXPANSION JOINT DETAIL
1"=1'



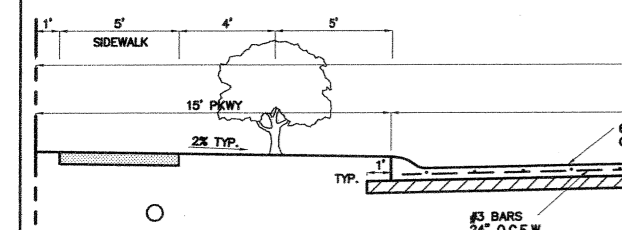
SAWCUT DETAIL
1"=1'



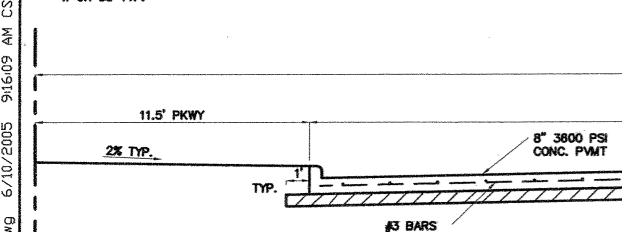
CONSTRUCTION JOINT DETAIL
1"=1'



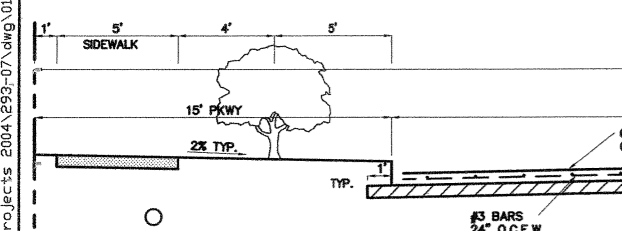
STREET SECTION - 57' ROW
1"=4'



STREET SECTION - 59' ROW
1"=4'



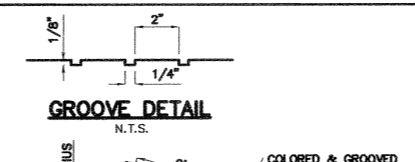
STREET SECTION - 60' ROW (WASHINGTON STREET)
1"=4'



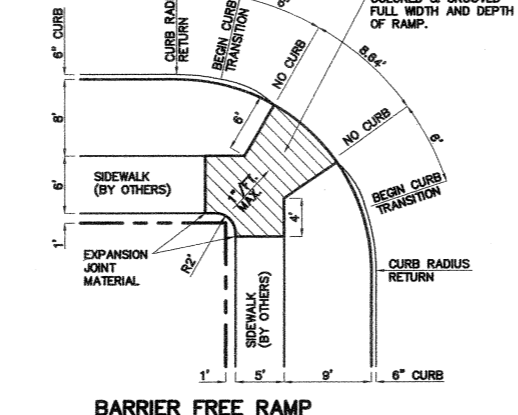
STREET SECTION - 88' ROW
1"=4'

GENERAL NOTES FOR BARRIER FREE RAMPS

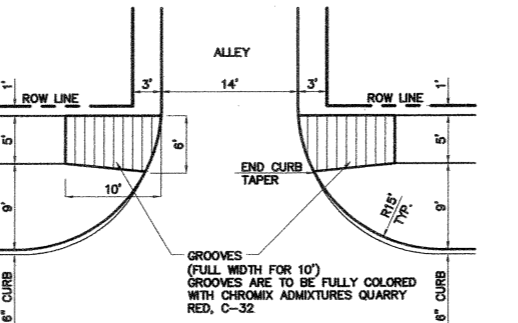
- Maximum slope on barrier free ramps shall not exceed 1" per foot at any location.
- Designs shown are for 6" curbs. For curbs greater than 6" dimensions shall be increased proportionately.
- Streets on steep grade will require longer curb transitions. It is the Contractor's responsibility to insure that this detail will work.
- Locations of barrier free ramps may be shifted to clear obstructions, with approval from the City.
- Concrete to have a minimum 3000 p.s.i. compressive strength at 28 days.
- Reinforcement to be #3 bars at 24" o.c.e.w.
- Grooves must be clean and straight for clear detection by touch with cane and parallel to sidewalks.
- For purposes of warning, the full width and depth of curb ramps shall have a light reflective value and texture that significantly contrasts with that of adjoining pedestrian routes. City shall approve materials and color shall be chromix admixtures quarry red, c-32 (chromix is manufactured by the L. M. Scofield Co. (800) 800-9900 or approved equal).
- Only the 6' sidewalk along Park Place Blvd. and the Barrier Free Ramps shall be constructed by this Contract.



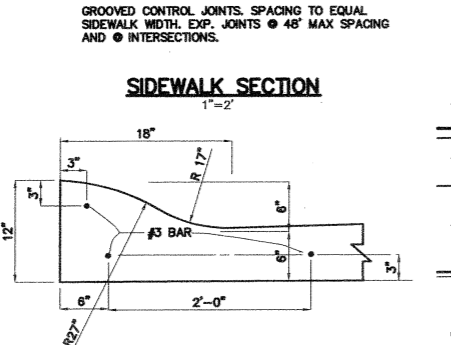
GROOVE DETAIL
N.T.S.



BARRIER FREE RAMP
1"=10'

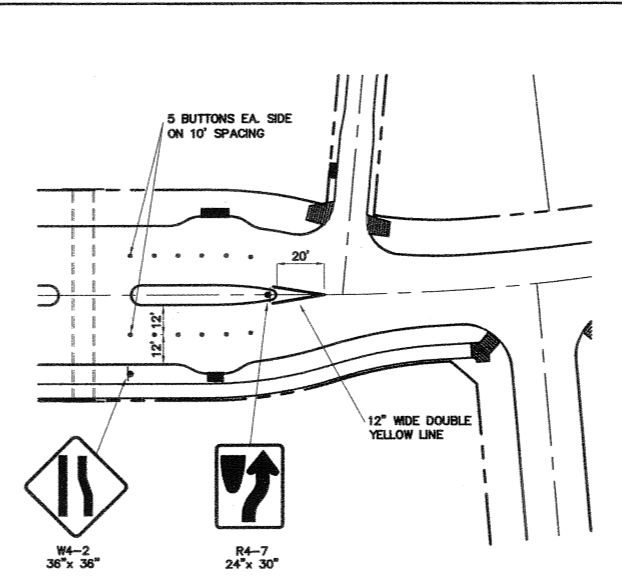


BARRIER FREE RAMP @ ALLEY CROSSING
1"=10'

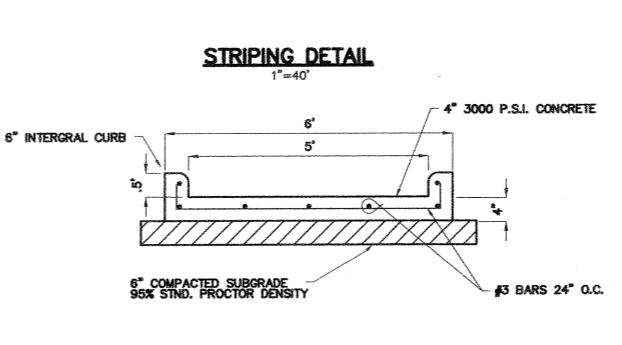


SIDEWALK SECTION
1"=2'

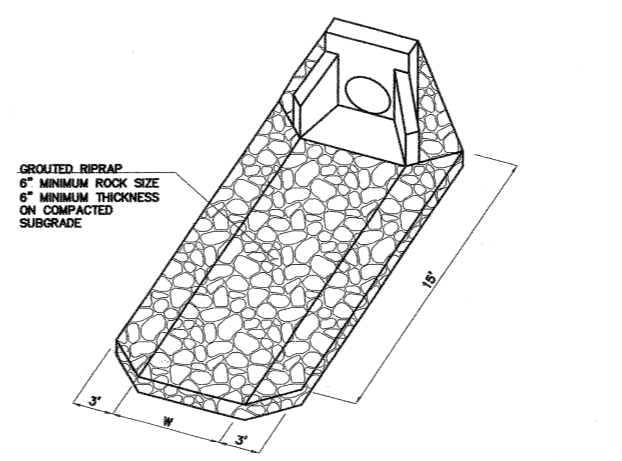
ROLLOVER CURB & GUTTER DETAIL
1"=1'



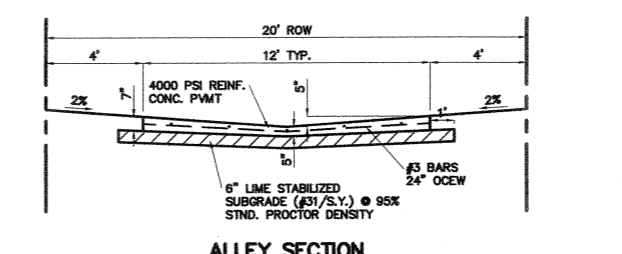
STRIPING DETAIL
1"=40'



OVERFLOW FLUME
1"=2'



OUTFALL STRUCTURE RIPRAP
1"=5'



ALLEY SECTION
1"=4'

- GENERAL NOTES**
- No parking of Contractor's equipment or employees is allowed except on the project site or in designated Contractor yard areas.
 - Perimeter control points and a local Benchmark shall be provided. All other construction staking shall be provided by the Contractor. Contractor shall protect and maintain control points provided.
 - All inspections, testing and cost thereof will be provided by the Owner through an independent testing company of the City.
 - All areas outside of the project site which are disturbed by the Contractor's activities shall be restored to its original condition and seeded or regraded as required.
 - Contractor shall coordinate his work with other contractors and (or) public/private utility companies which may be working in the area.
 - Barriercades and warning signs shall be installed as required by the City, or the Engineer. Construction and Placement shall conform to the Texas Manual on Uniform Traffic Control Devices, latest edition.
 - Temporary job-site trailers and storage areas must comply with current City requirements. Existing utilities, appurtenances and improvements shall be protected or removed as noted. Contractor shall repair or replace any damages.
 - Where grade changes are proposed of existing utility appurtenances, Contractor shall adjust such appurtenances as required.
 - Water for Contractor is available adjacent to the site. Hydrant meter, backflow and double check valve required.
 - Contractor yard and storage areas must be approved by the Owner. No employee or equipment parking shall be allowed anywhere else at any time.
 - Contractor shall secure and pay for all permits, fees, and licenses necessary for the execution of the work.
 - Contractor shall comply with all applicable local, state & federal laws and ordinances.
 - Contractor shall maintain record drawings which shall be reviewed by the Owner prior to each monthly pay application review.
 - Contractor shall comply with the SWPPP prepared as part of this project and any other conditions required by the Texas General Permit, the EPA or the City regarding erosion control.
 - All materials used in construction shall have a vendor's certified test report. Submittals shall be delivered to the Engineer before permission will be granted for use of the material. In the event additional tests are required, they shall be performed by an approved independent testing laboratory and shall be paid for by the Contractor.
 - All haul roads and access roads and the location of all staging, stockpile and storage areas shall be subject to the approval of the Engineer. The Contractor shall be responsible for maintaining and repairing all roads and other facilities used during construction. Upon completion of the project all existing roads shall be left in a condition equal to that of the time the Contractor commences work on this project.
 - The location and dimensions shown on the plans relative to existing utilities are based on the best information available. It shall be the Contractor's responsibility to verify locations of adjacent and/or conflicting utilities sufficiently in advance of construction in order that he may negotiate such adjustments as necessary in the construction process to provide adequate clearances. The contractor shall take all necessary precautions in order to protect all services encountered.
 - Per Texas House Bill 1569, effective as of September 1, 1989, it shall be the responsibility of the Contractor to provide and maintain a viable trench safety system at all times during construction activities. Bid items for trench excavation safety protection are included in the proposal.
 - The Contractor shall fully comply with all Local, State and Federal Laws, including all codes, ordinances and regulations applicable to the contract and to be done thereunder, which exist or which may be enacted later by governmental bodies having jurisdiction or authority for such enactment.
 - All work which has been rejected or condemned shall be repaired, or if it cannot be repaired satisfactorily, it shall be removed and replaced at the Contractor's expense. Defective materials shall be immediately removed from the work site.
 - The Contractor shall, at all times, keep the site of the work and adjacent premises as free from material, debris and rubbish as is practicable and shall remove some from any portion of the site if, in the opinion of the Owner, such material, debris or rubbish constitutes a nuisance or is objectionable.
 - The Contractor shall make a final clean-up of all parts of the work before acceptance by the Developer. This clean-up shall include removal of all objectionable materials and, in general, preparing the site of the work in an orderly appearance.

- GRADING NOTES**
- Install silt fence and provide on-going maintenance.
 - Maintain and protect ordinary and topsoil stockpiles.
 - All grade tolerances 0.1 foot.
 - Perform additional fine grading around paving as required to meet finished grades indicated on the plans.
 - Place topsoil in landscape islands (4-inch minimum depth).
 - Fine grade interior landscape areas and islands to provide smooth finish with 4% minimum grade for positive drainage unless otherwise indicated on the plans.
 - Regrade perimeter landscape areas as necessary.
 - Excess ordinary excavation shall be removed from the site.
 - Excess topsoil shall be removed from the site.
 - All fill shall be compacted using a sheep's foot roller and to 95% std. density.

- PAVING NOTES**
- All work shall conform to these plans and contract documents and to the latest edition of the North Central Texas Council of Governments Standards Specifications for Public Works Construction (COG) as amended by the contract documents and the City.
 - All paving dimensions are measured to back of curb, edge of pavement and face of building.
 - All curb radii are as shown on the plans or typical details.
 - Boundary monuments have been set by others. Contractor shall verify their existence and accuracy prior to construction. Advise the engineer immediately of any discrepancies.
 - Contractor shall provide all staking.
 - Coordinates may be provided to assist the Contractor and his surveyor. Should any discrepancy arise between the coordinates and the intent of the layout or plan, Contractor shall immediately inform the Engineer. Verify that coordinates and dimensions match during layout prior to construction.
 - Pavement strength, thickness and reinforcing shall meet or exceed the plan, details, and City Standards.
 - Concrete mix shall be 6 sack for machine pour and 6 1/2 sack for hand pours.
 - Pavement subgrade shall be proof-rolled and any soft or pumping areas shall be excavated and recompacted prior to paving.
 - Where proposed pavement abuts existing pavement, provide machine drilled and epoxy set #3 bars on 24-inch centers, minimum 1-foot penetration, 24-inches long.
 - Sawcut new pavement as soon as practical when concrete can support equipment and provide a neat and true cut.
 - All joints shall be continuous through the curb.
 - Saw all construction joints, clean and immediately seal.
 - All structures (inlet, light poles, etc.) shall be isolated from the pavement with full depth expansion material.
 - No sand under pavement.

- DRAINAGE NOTES**
- Contractor shall comply with the requirements of the City and shall coordinate with same when connecting to their systems.
 - Existing storm sewer and utility data is provided for information only from the best available plan records. Contractor shall verify their location and elevation prior to construction.
 - Contractor is responsible for any repairs required to existing utilities due to his activities.
 - Contractor shall comply with Texas House Bill 1569 and provide his own Trench Safety System design.
 - All storm sewer pipe shall be as follows:
Diameter < 60" RCP ASTM C-76, Class III
Concrete pipe joints to be sealed with Rammed or equal.
 - All connections shall be watertight. Grout connections at structures.
 - Storm sewer inlets may be pre-cast or cast-in-place. Throat depths and openings shall meet City Standards.
 - Adjust all appurtenances (inlets, manholes, cleanouts, etc.) to final grade.

- UTILITY NOTES**
- Contractor shall comply with the requirements of the City and shall coordinate with same when connecting to their systems.
 - Existing storm sewer and utility data is provided for information only from the best available plan records. Contractor shall verify their location and elevation prior to construction.
 - For all construction projects in which trench excavation will exceed five feet (5') the Contractor shall provide detailed plans and specifications for adequate safety systems that meet OSHA standards.
 - If there is less than 2' of clearance between the storm and sanitary sewer services, the sanitary sewer services will need to be concrete encased.
 - Contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and to assure proper depths are achieved.
 - The Contractor shall, on all utilities, coordinate inspection and testing with the appropriate authorities prior to backfilling trenches.
 - Notify all utility companies at least 48 hours in advance of any site construction.
 - Coordinate with other Contractors installing gas, electric and telephone services.
 - Install Blue EMS disks on the waterline at every change in direction, service and valves.
 - Install Green EMS disks on the sanitary sewer line at every manhole, cleanout, and service.
 - Waterline shall be class 200 PVC.

CONSTRUCTION RECORDS
DATE: 11/2/06 BY: JPS
THIS DRAWING INDICATES THE WORK COMPLETED PER INFORMATION SUPPLIED BY THE CONTRACTOR. ACTUAL OR THE GRADING SURVEY VERIFICATION WAS NOT PERFORMED EXCEPT AS SPECIFICALLY NOTED. ALL LOT AND RIGHT-OF-WAY CORNERS HAVE BEEN MARKED WITH 12-INCH IRON RODS.

No.	Date	Revisions	App.
12/17/04	REVISION		

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY THOMAS P. JONES, P.E. 88887, ON 10/27/04

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Dallas, Texas 75243
Ph: 972.386.6446 Fax: 972.386.6409
mail@tomden.com

PARK PLACE - WEST PHASE II

OWNER: COLUMBIAN ENERGY CORP.
1200 E. WASHINGTON
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PH: 972-772-7633
FX: 972-772-7633

DESIGNED BY: R.V.A.
2235 PRIDGE ROAD #104
ROCKWALL, TEXAS 75087
PH: 972-772-7633
FX: 972-772-7633

TYPICAL SECTIONS, GENERAL NOTES & DETAILS

Scale:	AS SHOWN
Designed by:	T.P.J.
Drawn by:	R.V.A.
Checked by:	T.P.J.
S./LP:	2004/dwg/293-07/01000DET
Date:	06/10/05 09:16

SHEET 1 OF 16