CONSTRUCTION PLANS FOR

INDUSTRIAL BOULEVARD
FROM RAILROAD TO AIRPORT ROAD

CITY OF ROCKWALL

JUNE 2006

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7. PAVING PLAN & PROFILE
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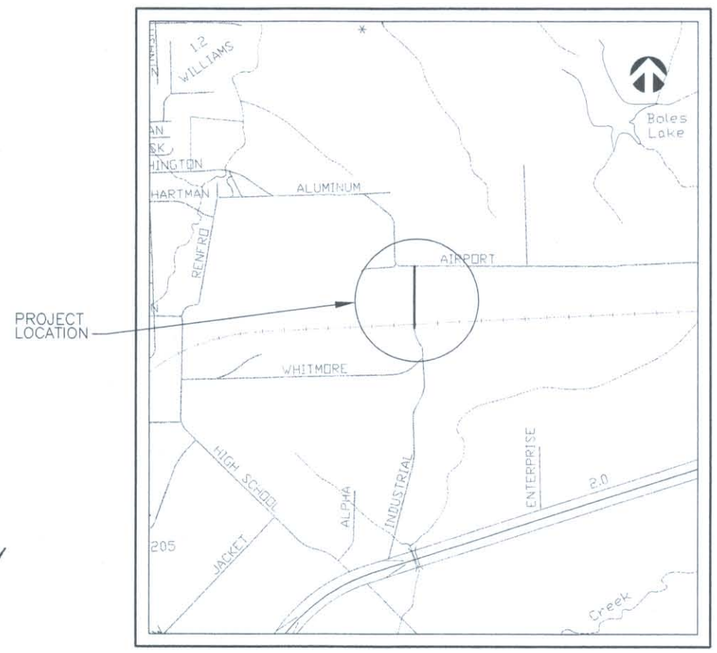


LOCATION MAP
N.T.S.

CITY OFFICIALS

MAYOR
Bill Cecil

COUNCIL
Bob Cotti
Stephen Straughan
Tim McCallum
John King
Matt Scott
Margo Nielsen

CITY MANAGER
Julie Couch

DIRECTOR OF PUBLIC WORKS
Chuck Todd, P.E.

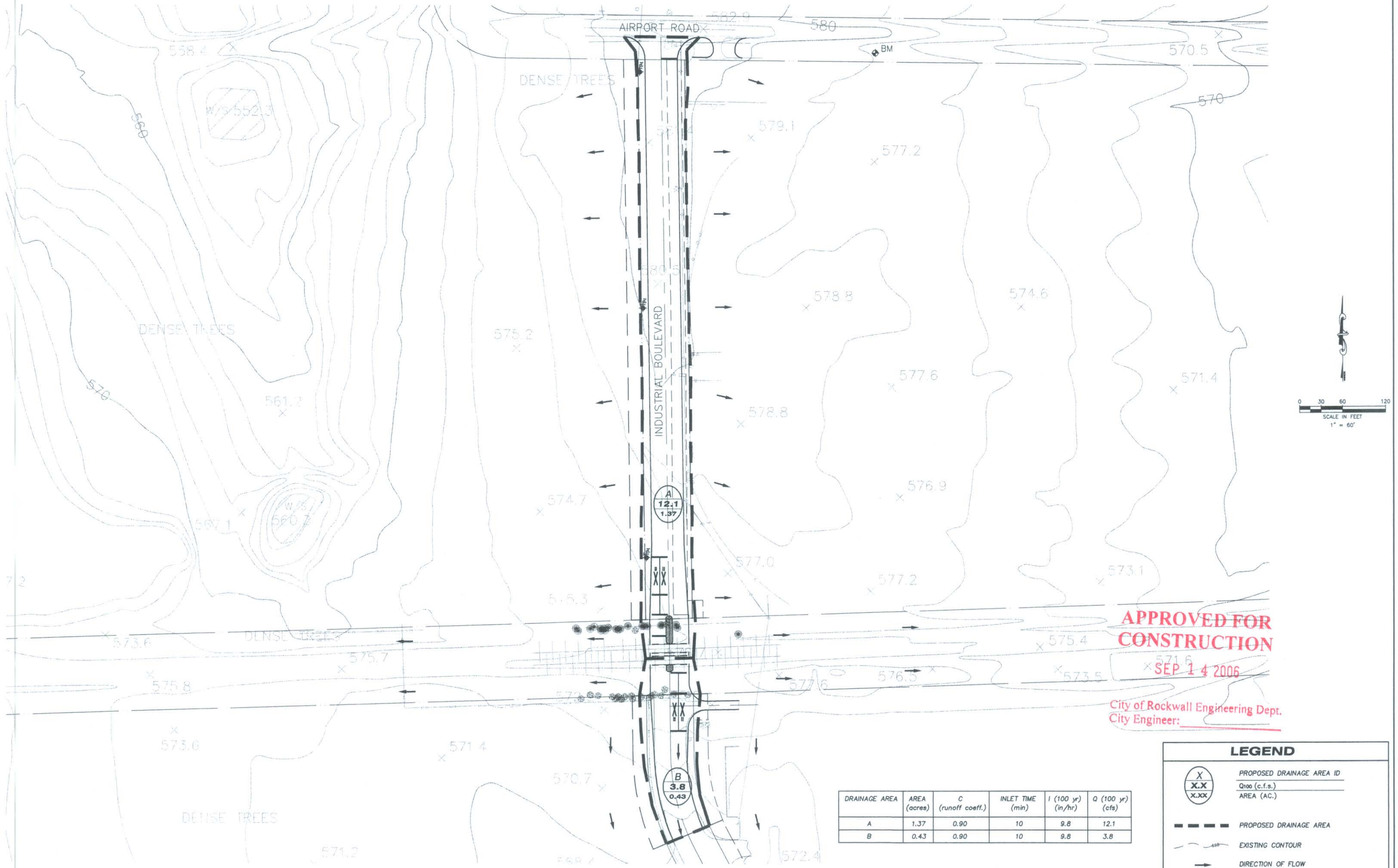
PBS&J
18383 PRESTON ROAD ~ SUITE 500
DALLAS, TEXAS 75252
PH. (972) 818-7275 FAX (972) 380-2609

STATE OF TEXAS
BERNARD D. HIETBRINK
78466
REGISTERED PROFESSIONAL ENGINEER

BERNARD D. HIETBRINK, P.E., SR. PROJECT MANAGER

APPROVED FOR CONSTRUCTION
SEP 14 2006
City of Rockwall Engineering Dept.
City Engineer:

PBS&J JOB NO. 520392.00



APPROVED FOR CONSTRUCTION
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City of Rockwall Engineering Dept.
City Engineer: _____

DRAINAGE AREA	AREA (acres)	C (runoff coeff.)	INLET TIME (min)	I (100 yr) (in/hr)	Q (100 yr) (cfs)
A	1.37	0.90	10	9.8	12.1
B	0.43	0.90	10	9.8	3.8

LEGEND

- X / X.XX / X.XX — PROPOSED DRAINAGE AREA ID; Q100 (c.f.s.); AREA (AC.)
- PROPOSED DRAINAGE AREA
- EXISTING CONTOUR
- DIRECTION OF FLOW

BENCHMARKS:

1. WELL MONUMENT #N1495 IN THE NORTHWEST QUADRANT OF AIRPORT ROAD AND THE AIRPORT ENTRANCE AS DESCRIBED IN THE NATIONAL GEODETIC SURVEY ±25.6' WEST OF THE AIRPORT ENTRANCE CENTERLINE.
EL = 566.73

2. BRASS MONUMENT #R016 ON THE SOUTH SIDE OF AIRPORT ROAD LOCATED NORTHWEST OF THE CORNER OF THE CITY OF ROCKWALL BUILDING IN THE CONCRETE WALKWAY.
EL = 558.68

BENCHMARKS:

3. X-CUT ON THE TOP OF CURB OF THE SOUTHERN CURB RETURN OF THE SOUTH MOST ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD.
EL = 564.27

4. X-CUT ON THE TOP OF THE CURB OF THE SOUTHERN CURB RETURN OF THE 2nd ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD
EL = 568.39

NO.	REVISION	BY	DATE

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: H:1"=60'
DATE : JUNE 12, 2006

STATE OF TEXAS — BERNARD D. HIETBRINK — 78466 — REGISTERED PROFESSIONAL ENGINEER — 06/14/06

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DRAINAGE AREA MAP
INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

SHEET NO. 4
OF 8 SHEETS
FILE NO. 520392.00

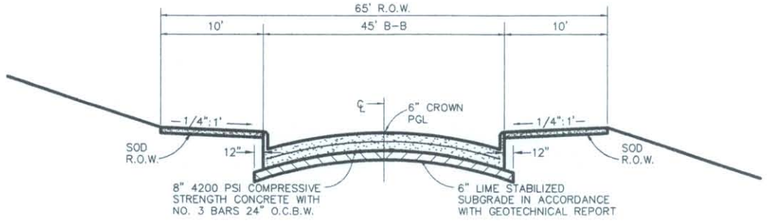
SUPERELEVATION DATA	
STATION −2+00.00	MATCH EXISTING 6" NORMAL CROWN
STATION −1+07.45	END 6" NORMAL CROWN AND BEGIN TRANSITION
STATION 0+27.55	END TRANSITION AND BEGIN FULL SUPERELEVATION (0.30%)
STATION 0+83.35	END FULL SUPERELEVATION (0.30%) AND BEGIN TRANSITION
STATION 2+18.35	END TRANSITION AND BEGIN 6" NORMAL CROWN
STATION 9+18.43	END 6" NORMAL CROWN AND MATCH EXISTING

NORTH TEXAS MUNICIPAL WATER DISTRICT NOTES

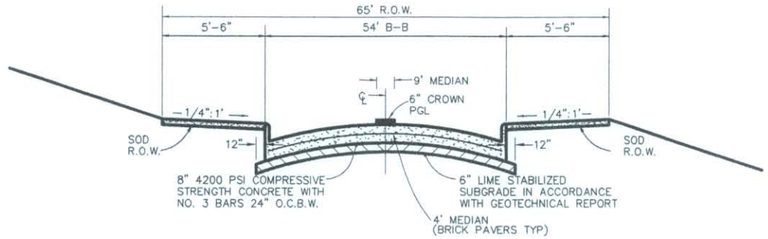
1. North Texas Municipal Water District (NTMWD) 30-inch waterline is located within limits of construction.
2. Operation of heavy earthmoving equipment, compaction equipment or heavy construction equipment, such as concrete trucks, shall be restricted to specific crossing points across NTMWD easements, as approved by the NTMWD. The crossings shall be designated and verified to provide a minimum of five-feet of cover.
3. To assure that placing of significant loads over the NTMWD pipeline does not damage the existing pipeline, no materials shall be stockpiled on the NTMWD easement, without authorization from the NTMWD. If the contractor desires to use NTMWD easement for stockpile of materials, contact NTMWD Engineering at (972) 442-5405 so your plans for use of the NTMWD easement can be reviewed.
4. Unless otherwise shown or required a minimum of one-foot clearance shall be provided for all utilities crossing the NTMWD pipelines.
5. "The contractor shall contact NTMWD Engineering at (972) 442-5405 at least 48 hours prior to performing any work in the vicinity of the NTMWD facilities."

PAVING GENERAL NOTES

1. Unless otherwise noted, all material and construction shall conform to applicable specifications of the City of Rockwall with amendments - The North Central Texas Council of Governments "Standard Specifications for Public Works Construction", Parts II and III, latest edition. Refer to applicable City of Rockwall "Standard Construction Details", latest edition (Rev. August, 2003).
2. All curb dimensions are to back of curb.
3. Pavement reinforcing will be grade 60.
4. For details of paving joints see Rockwall's "Standard Construction Details", Sheet SD-3.
5. Hydrated lime will be applied as a slurry.
6. Construct a barrier-free curb and ramp at all street intersections. See Rockwall's "Standard Construction Details", Sheet SD-P33.
7. Contractor will be responsible for field verifying the location of all existing utilities prior to his operations.
8. Installation, maintenance and removal of traffic safety devices for all construction in or contiguous to existing pavement, will be at the expense of the contractor and will follow as a guide "The Manual of Uniform Traffic Control Devices", latest edition.
9. Unless shown otherwise, all street pavement on this project will be 8"-4200 psi on 6"-6% lime min. and having a minimum compressive strength of 4200 psi at 28 days (6.5 sacks min. of cement/CY). Refer to City of Rockwall Standard Details Sheets SD-P01 through 19 for additional reference. All street pavement will be constructed on a 6" lime stabilized subbase with lime applied at a minimum rate as directed in the geotchnical report, but not less than 32#/SY and Compacted to a density not less than 95 percent, laboratory tests must be submitted to the engineering department for approval to determine amount of lime required. Laboratory test may be waived provided at least 36 lbs. of lime per sq yd. is used. SEE ITEM 4.6,4 SPECIAL PROVISIONS
10. Upon completion of utility work and prior to lime stabilization operations, the engineer will verify areas that can suitably be stabilized and other areas which, in his opinion, may require additional removal of weathered shale. Remove the weathered shale at the direction of the engineer as follows:
    - A. To a point 1 foot behind the back of curb.
    - B. To a point 6" below the bottom of the proposed pavement.
11. Replace this excavated shale with an approved onsite material and continue lime stabilization.
12. Bar chairs or an approved device shall be furnished.
13. Bar laps shall be thirty diameters.
14. Utility adjustments will not be paid for separately and associated costs shall be considered subsidiary to construction.
15. All fill shall be compacted using a sheep's footer roller.

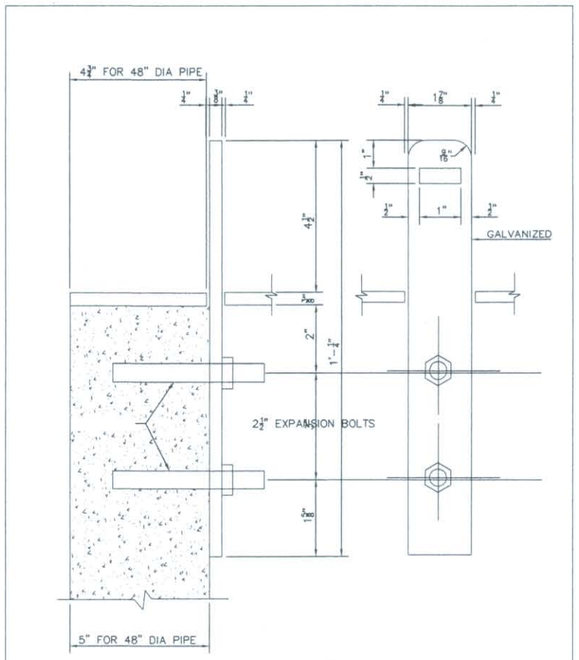


TYPICAL STREET SECTION
* STATION −2+00.00 TO STATION −0+98.44
* STATION 2+09.35 TO STATION 9+18.43
N.T.S.

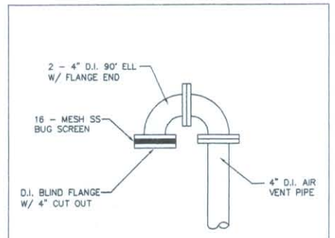


TYPICAL STREET SECTION
* STATION 0+01.56 TO STATION 1+09.35
N.T.S.

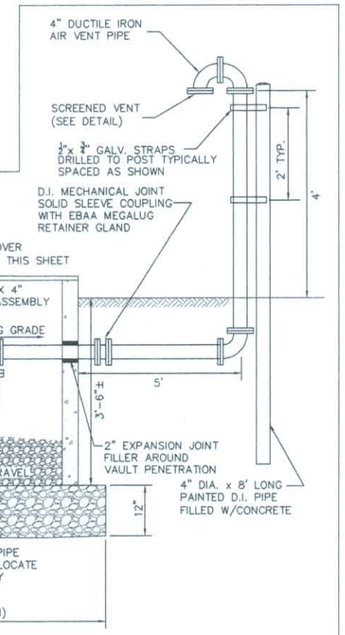
* NOTE:
40:1 PAVEMENT TRANSITION FROM
STATION −0+98.44 TO STATION 0+01.56 AND
STATION 1+09.35 TO STATION 2+09.35



DETAIL "C"

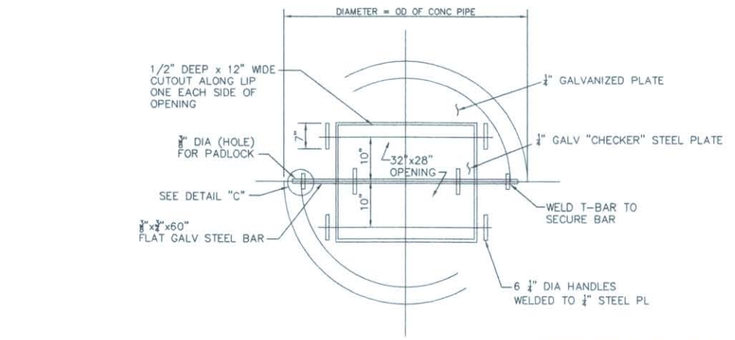


SCREENED VENT
NTS



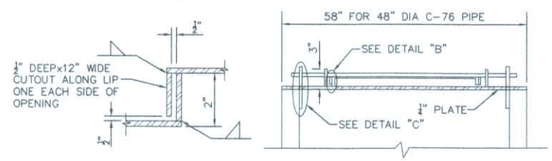
NOTES:
1. ALL PIPE FITTINGS SHALL MEET AWWA C110 FOR DIP CLASS 50 WITH FLANGED JOINTS. COAT BOLTS & NUTS WITH KOPPERS BITUMASTIC NO 50
2. RELOCATION OF THE AIR RELEASE VALVE AND VAULT WILL REQUIRE CLOSING OF THE EXISTING BUTTERFLY VALVE, WHICH WILL REMAIN IN PLACE.
3. THE CLOSING OF THE BUTTERFLY VALVE WILL BE CONDUCTED BY NTMWD OPERATIONS PERSONNEL ONLY. SCHEDULING AND COORDINATION OF THIS WORK BY THE CONTRACTOR WITH THE NTMWD WILL REQUIRE A MINIMUM OF ONE WEEK NOTICE IN ADVANCE.

TYPICAL - AIR & VACUUM RELEASE VALVE
OFFSET INSTALLATION
NTS



PLAN

PROVIDE ONE PADLOCK WITH EACH COVER. PADLOCK SHALL BE KEYED TO MATCH OWNER'S LOCKS.



DETAIL "B"
NTS

SECTION

TYPE 1 MANHOLE COVER - DETAIL "A"
NTS

APPROVED FOR CONSTRUCTION
SEP 14 2006
City of Rockwall Engineering Dept.
City Engineer: _____

CONTROL POINTS:	BENCHMARKS:	NO.	REVISION	BY	DATE
1.	1.				

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: NTS
DATE : JUNE 12, 2006

STATE OF TEXAS — BERNARD D. HIETBRINK — 78466 — REGISTERED PROFESSIONAL ENGINEER — 06/19/06

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DALLAS, TEXAS 75252
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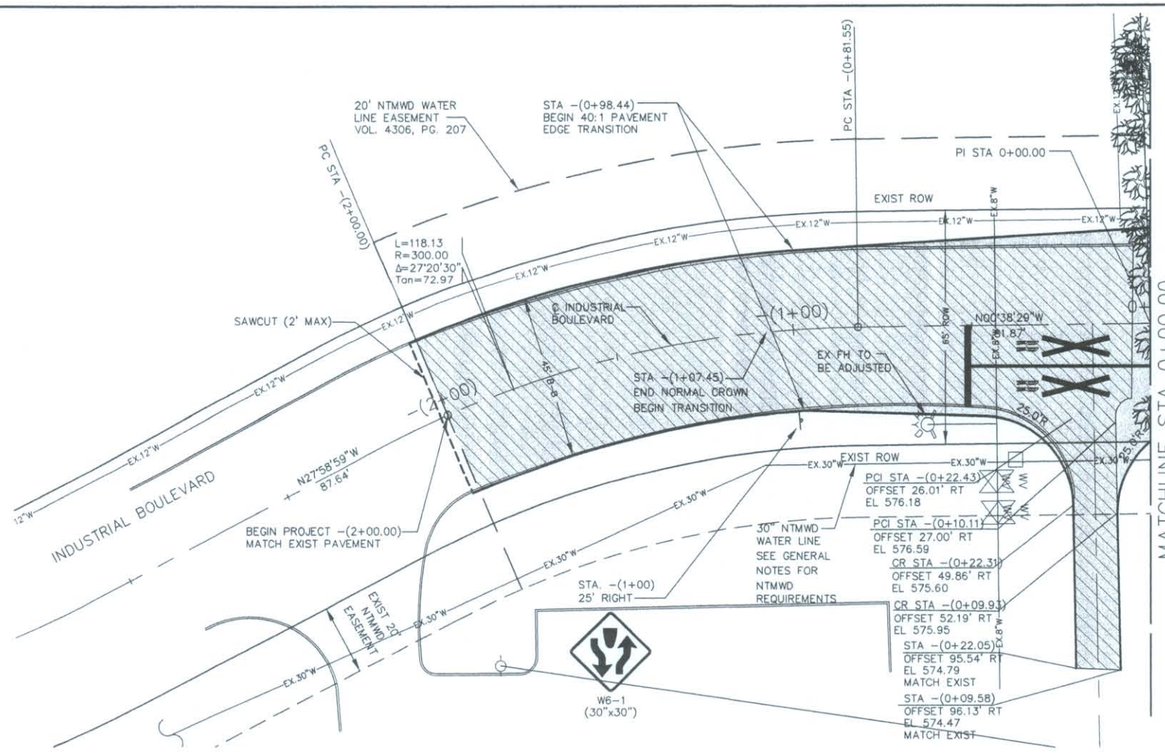
GENERAL NOTES AND TYPICAL SECTIONS
INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

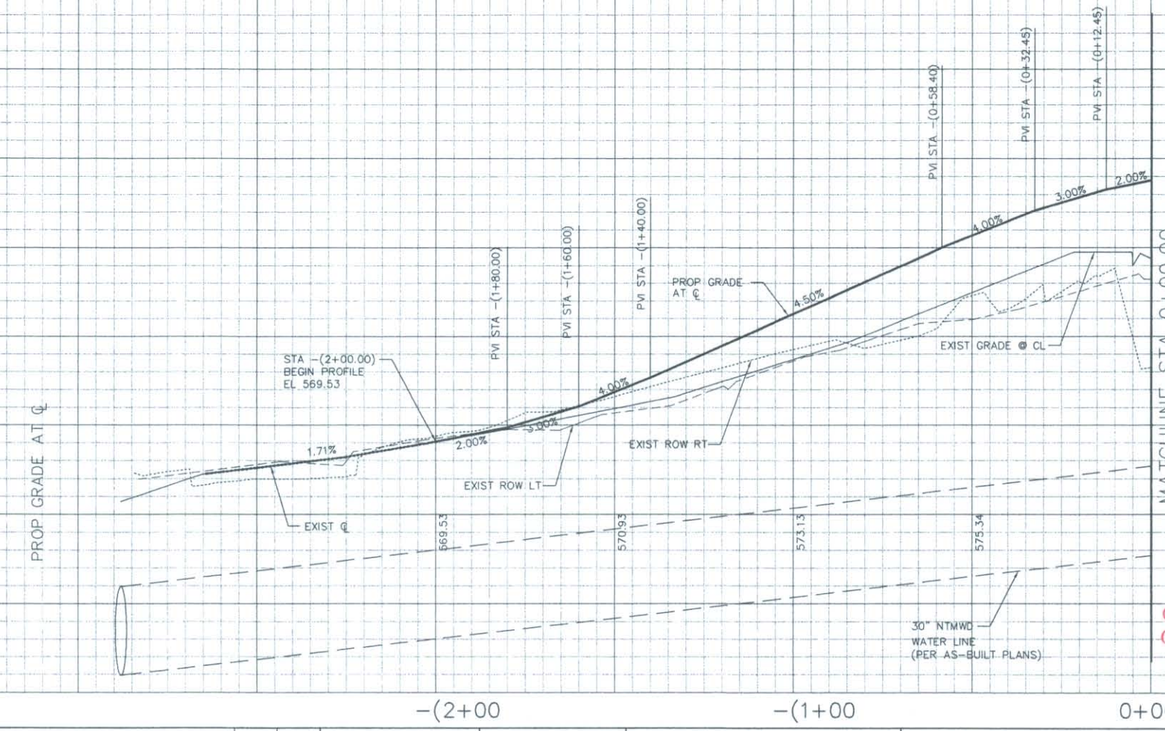
SHEET NO. 2
OF 8 SHEETS
FILE NO. 520392.00



0 10 20 40
SCALE IN FEET
1" = 20' HORIZ
1" = 2' VERT

NOTES:

1. ALL PAVEMENT MARKINGS ARE SHOWN FOR CONTRACTOR'S INFORMATION ONLY. COST AND CONSTRUCTION ARE TO BE BY OTHERS.
2. SEE DETAILS FOR TYPICAL LANE PAVEMENT MARKINGS.



APPROVED FOR CONSTRUCTION
SEP 14 2006
City of Rockwall Engineering Dept.
City Engineer: _____

BENCHMARKS:

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2. BRASS MONUMENT #R016 ON THE SOUTH SIDE OF AIRPORT ROAD LOCATED NORTHWEST OF THE CORNER OF THE CITY OF ROCKWALL BUILDING IN THE CONCRETE WALKWAY. EL = 558.68

BENCHMARKS:

3. X-CUT ON THE TOP OF CURB OF THE SOUTHERN CURB RETURN OF THE SOUTH MOST ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD. EL = 564.27
4. X-CUT ON THE TOP OF THE CURB OF THE SOUTHERN CURB RETURN OF THE 2nd ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD EL = 568.39

NO.	REVISION	BY	DATE

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: H: 1"=20' V: 1"= 2'
DATE : JUNE 12, 2006

STATE OF TEXAS — BERNARD D. HETBRINK — 78466 — REGISTERED PROFESSIONAL ENGINEER — 06/14/06

PBSJ
18383 PRESTON ROAD ~ SUITE 500
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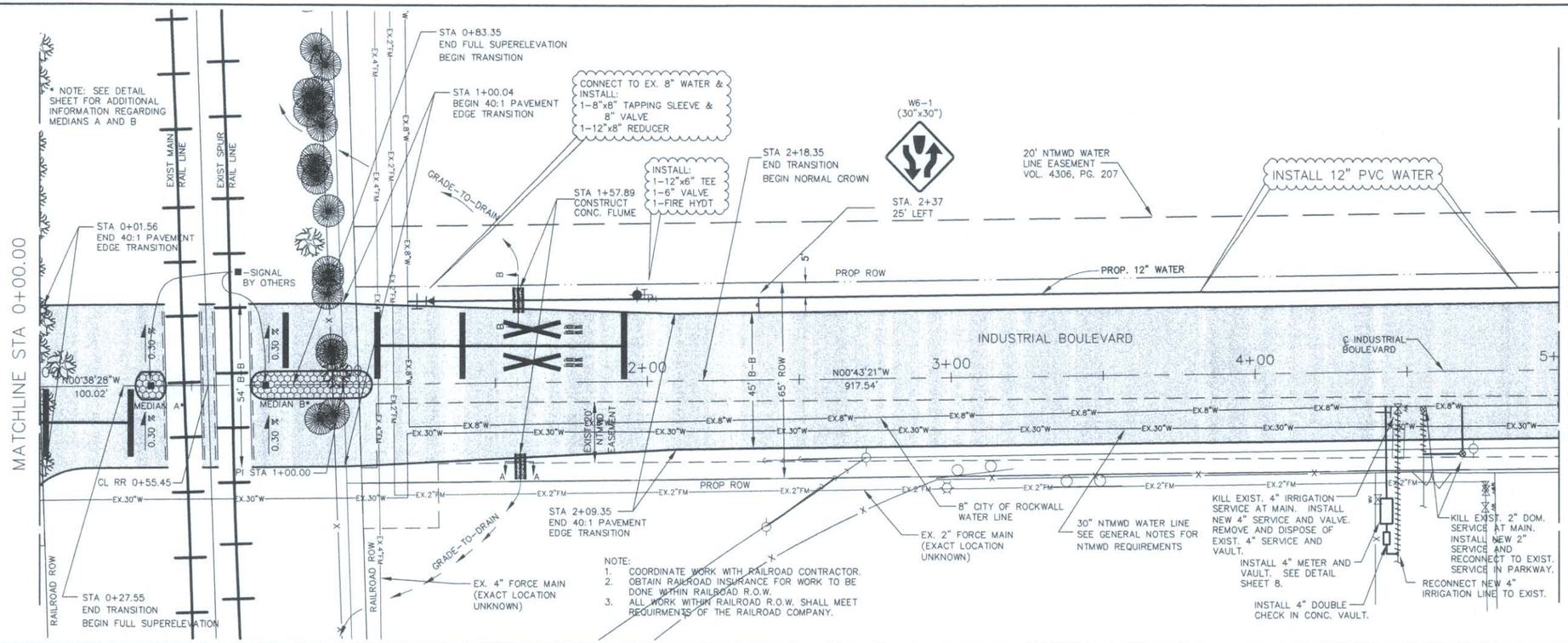
PAVING PLAN AND PROFILE
INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

SHEET NO. 5
OF 8 SHEETS
FILE NO. 520392.00



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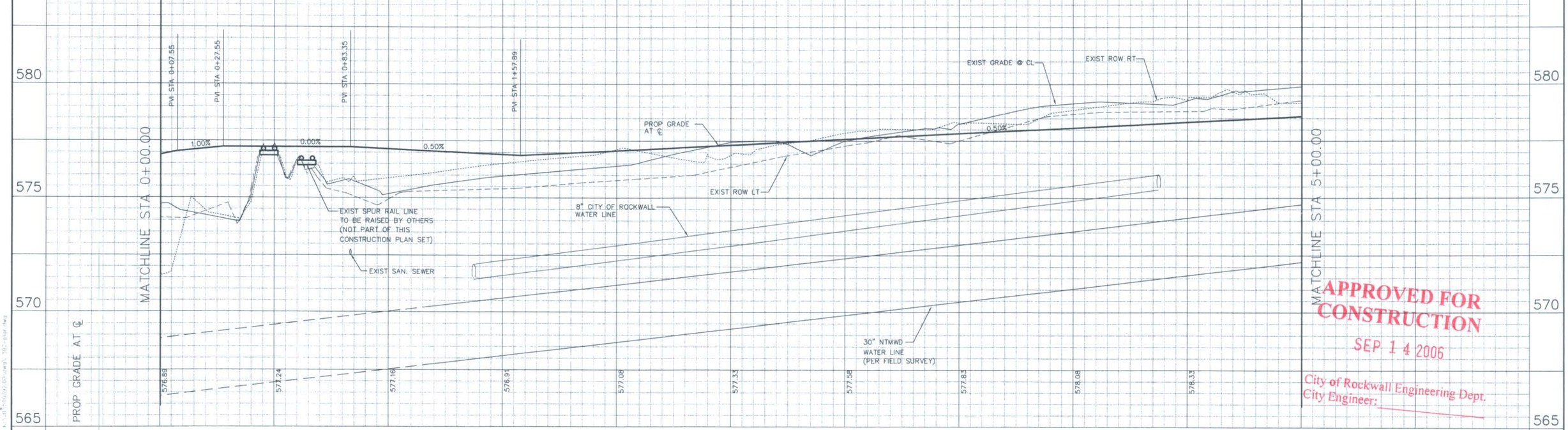

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NO.	REVISION	BY	DATE

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: H: 1"=20' V: 1"= 2'
DATE : JUNE 12, 2006

STATE OF TEXAS — BERNARD D. HIETBRINK — 78466 — REGISTERED PROFESSIONAL ENGINEER — 09/14/06

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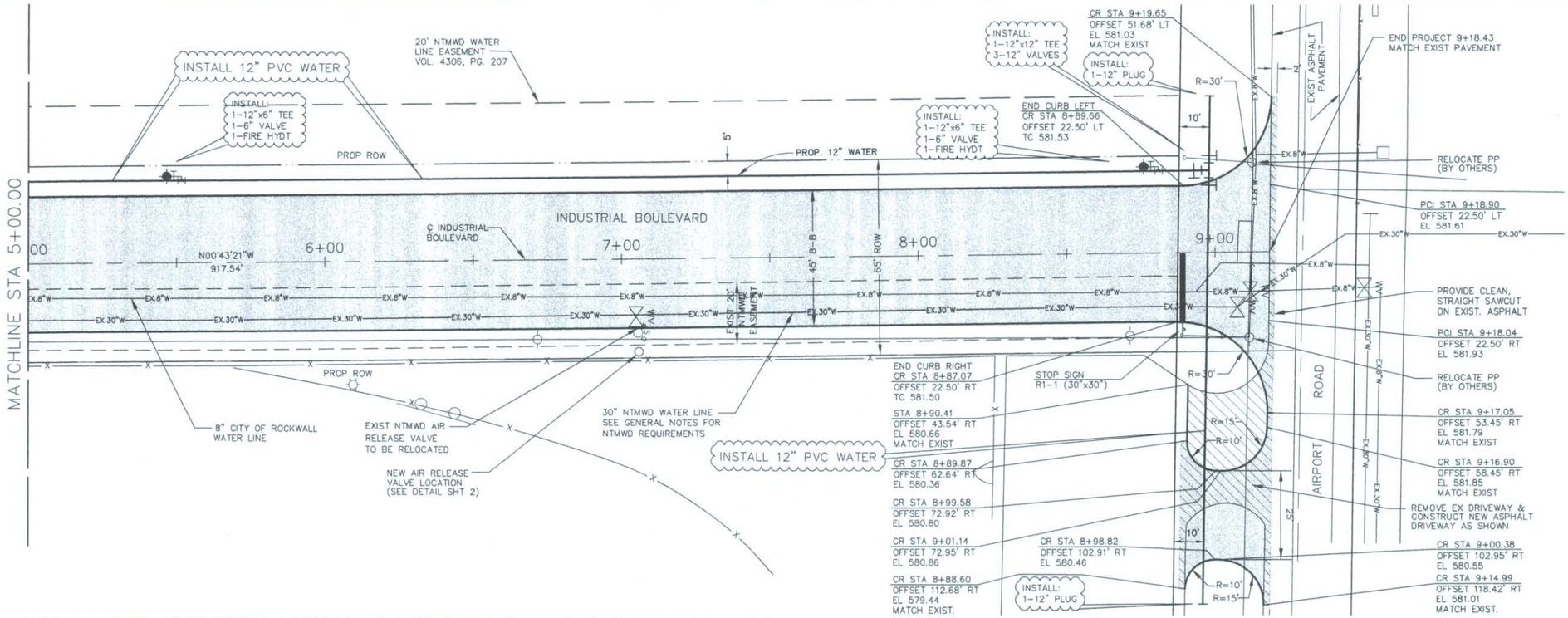
PAVING PLAN AND PROFILE
INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

SHEET NO. 6 OF 8 SHEETS
FILE NO. 520392.00



NOTES:

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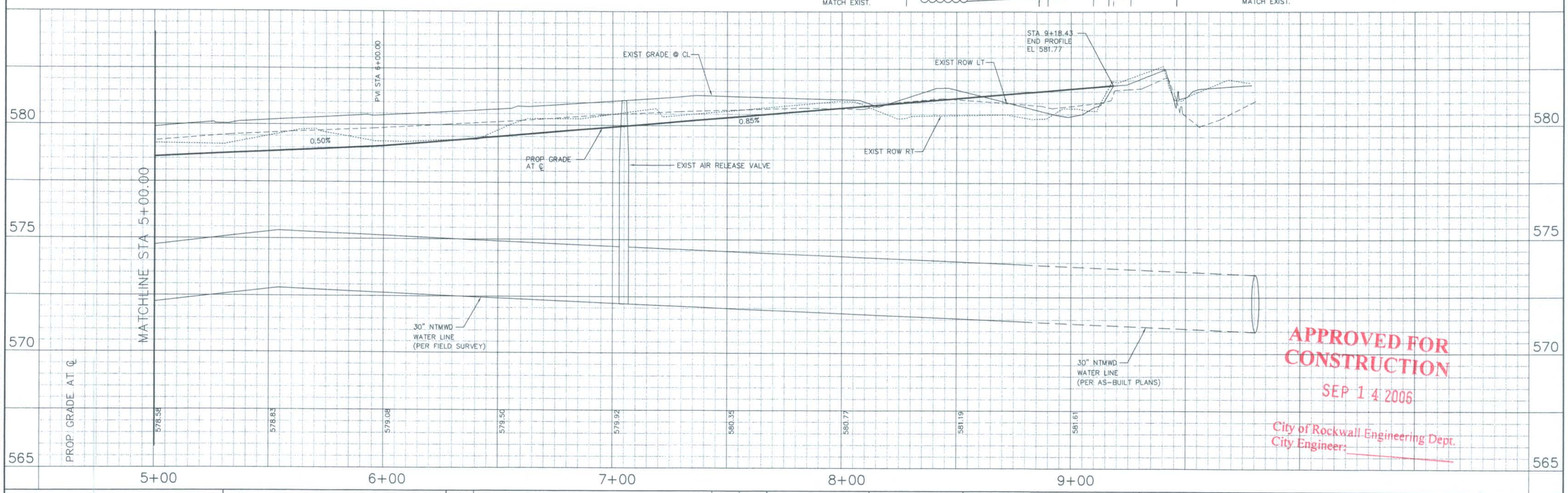

APPROVED FOR CONSTRUCTION
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City of Rockwall Engineering Dept.
City Engineer:

BENCHMARKS:

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3. X-CUT ON THE TOP OF CURB OF THE SOUTHERN CURB RETURN OF THE SOUTH MOST ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD. EL = 564.27
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NO.	REVISION	BY	DATE

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: H: 1"=20' V: 1"= 2'
DATE : JUNE 12, 2006

STATE OF TEXAS — BERNARD B. HIETBRINK — 78466 — REGISTERED PROFESSIONAL ENGINEER — 06/16/2006

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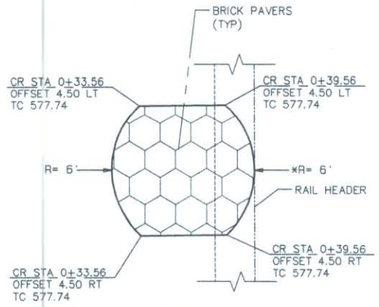
PAVING PLAN AND PROFILE

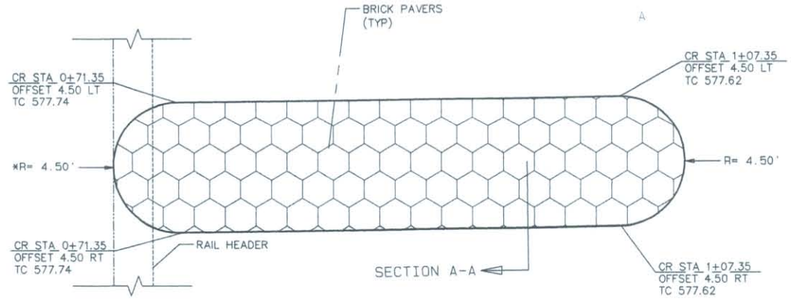
INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

SHEET NO. 7 OF 8 SHEETS
FILE NO. 520392.00



MEDIAN A

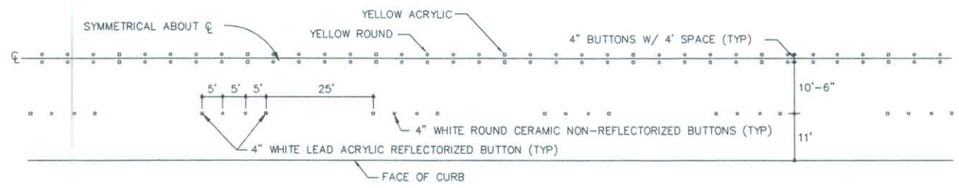
NTS



MEDIAN B

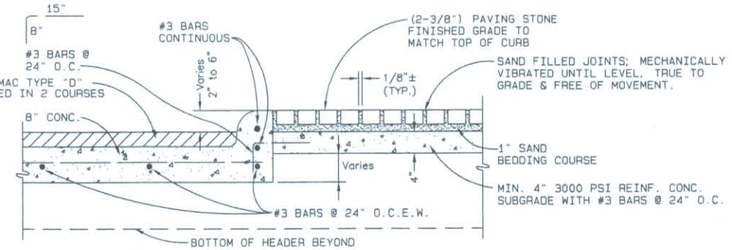
NTS

* NOTE
MEDIAN NOSE CURB HEIGHT
TO TRANSITION FROM 6" TO
2" AT RAIL HEADER



TYPICAL PAVEMENT MARKINGS

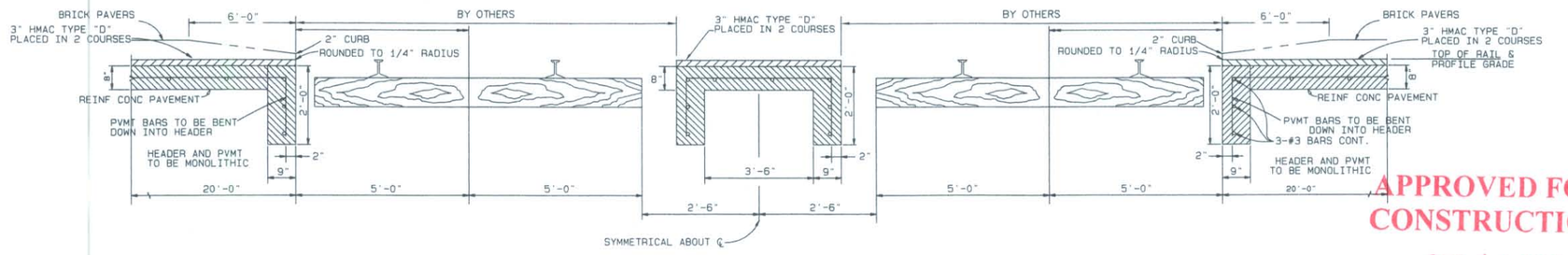
NTS



NOTE: INSTALL PAVERS AFTER SIGNAL CONSTRUCTION. DO NOT INSTALL CONC. SUBGRADE UNTIL SIGNAL WORK IS COMPLETE. STUB-OUT #3 BARS 12" ON 18" CENTERS FROM CONC. SUBGRADE. THE EARTH SUBGRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF CONC. SUBGRADE.

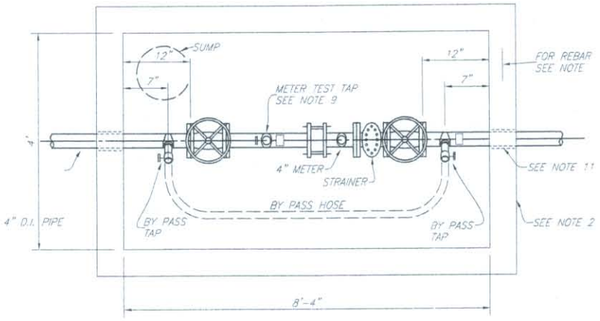
SECTION A-A

NTS

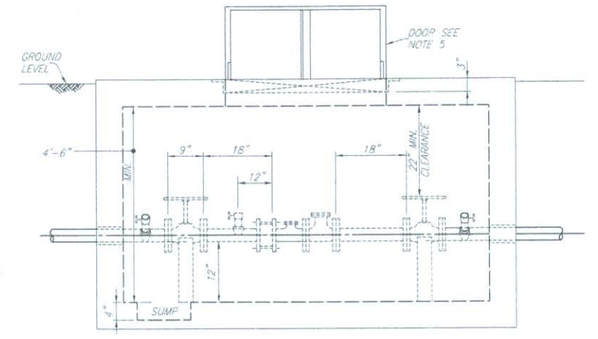


RAIL HEADER AND APPROACH SECTION

NTS



PLAN



ELEVATION

METER VAULT

METER VAULT & BY-PASS NOTES

1. NOTIFY THE UTILITY OPERATIONS DEPARTMENT PRIOR TO CONSTRUCTION OF METER VAULT OR BY-PASS ASSEMBLY.
2. THE METER VAULT CAN BE EITHER POURED IN PLACE OR PRE-FABRICATED. ALL WALLS, EITHER POURED IN PLACE OR PRE-FABRICATED, SHALL BE MONOLITHIC POUR. NO SEAMS OR EXTENSIONS WILL BE ALLOWED. CONCRETE SHALL BE 6" THICK-3,000 P.S.I., REINFORCED WITH #4 STEEL BARS ON 12" CENTERS EACH WAY, ON POURED IN PLACE VAULTS. PRE-FABRICATED VAULTS SHALL BE 4" THICK-4,500 P.S.I. CONCRETE, REINFORCED WITH #4 STEEL BARS ON 10" CENTERS BOTH WAYS. THESE ARE MINIMUM SPECIFICATIONS.
3. THE BOTTOM OF THE VAULT SHALL BE 6" THICK-3,000 P.S.I. CONCRETE, REINFORCED WITH #4 STEEL BARS ON 12" CENTERS BOTH WAYS. A 4" DEEP x 12" DIAMETER SUMP SHALL BE INSTALLED TO ONE SIDE AND IN EITHER CORNER OF THE BOTTOM OF THE SLAB. A 4" CUSHION OF SAND SHALL BE INSTALLED UNDER THE SLAB. IF A PRE-FABRICATED VAULT IS TO BE USED, A LAYER OF RAM-NEX SHALL BE INSTALLED BETWEEN THE WALLS AND BOTTOM SLAB.
4. ALL PIPING INSIDE THE VAULT AND THE VAULT ITSELF MUST BE INSPECTED AND APPROVED BY THE UTILITY OPERATIONS DEPARTMENT.
5. THE VAULT LID SHALL BE BILCO TYPE Q-4 LEAF DESIGN LID. ANGLE FRAME IS 1/4" STEEL WITH STRAP ANCHORS BOLTED TO THE EXTERIOR. THE LEAF IS 1/4" STEEL DIAMOND PATTERN PLATE, PIVOTING ON TORSION BARS FOR EASY OPERATIONS. THE MINIMUM LIVE LOAD CAPACITY IS 150 LBS. PER SQUARE FOOT. THE LID SIZE SHALL BE 3'x3'. THE LID SHALL BE PAINTED WITH 43-38 TNEMEC DIFFUSED ALUMINUM PAINT OR APPROVED EQUAL.
6. ALL PIPING INSIDE THE VAULT SHALL BE DUCTILE IRON PIPE WITH FLANGED FITTINGS. THE OUTSIDE DIMENSION OF THE PIPING SHALL BE WITHIN THE FOLLOWING RANGES: 3" PIPE - 3.74" TO 3.86"; 4" PIPE - 4.74" TO 4.90"; 6" PIPE - 6.81" TO 6.96"; 8" PIPE - 8.98" TO 9.20"; 10" PIPE - 11.04" TO 11.61". VARIATION FROM THESE DIMENSIONS WILL RESULT IN THE VAULT BEING REJECTED.
7. THE STRAINER, METER AND FLANGED ADAPTER COUPLING WILL BE PROVIDED AND INSTALLED BY THE CITY AT THE CONTRACTORS EXPENSE.
8. THE STRAINER, METER AND FLANGED ADAPTER COUPLING WILL NOT BE INSTALLED UNTIL THE METER VAULT AND TAPS ARE ACCEPTED BY THE CITY UTILITY OPERATIONS DEPARTMENT. ALL UTILITIES MUST ALSO HAVE BEEN ACCEPTED AND RELEASED BY THE CITY ENGINEERING OFFICE PRIOR TO METER INSTALLATION.
9. THE CONTRACTOR SHALL MAKE THE BY-PASS AND METER TEST TAP INSIDE THE VAULT. TAP A MUST BE AT LEAST THREE PIPE DIAMETERS DOWN-STREAM OF THE METER. TAPS B & C MUST BE MADE AT AN APPROXIMATE 45% ANGLE ON EACH END OF THE PIPE AND CENTERED 7 INCHES AWAY FROM THE WALL. ALL TAPS SHALL BE 2" AND THE CONTRACTOR SHALL INSTALL APPROVED SERVICE SADDLES WITH BRASS NIPPLES AND NO. 7550 OHIO BRASS OR APPROVED EQUAL GATE VALVES.
10. THE MAIN LINE GATE VALVES SHALL BE RESILIENT WEDGE DESIGN, NON-RISING STEM VALVES, WHICH HAVE RECEIVED FORMAL APPROVAL FROM THE CITY. ALL VALVES SHALL BE FLANGED BOTH ENDS AND HAVE HAND WHEELS.
11. CONTRACTOR SHALL HAVE A CHOICE OF EITHER HAVING A LINK SEAL WALL SLEEVE MODEL MODEL WS-8-32-S-8 FOR 4" PIPE CAST IN THE WALL VAULT USING LINK SEAL 5-#LS400-C OR THE CONTRACTOR MAY HAVE THE VAULT WALL CORED BEFORE INSTALLATION OF VAULT AND PIPING. IF THE WALL IS CORED FOR 4" PIPE, CORE SIZE SHALL BE 8" AND USE 5-#LS400-C LINK SEALS. BREAKING OF THE WALL WITH A JACKHAMMER OR USING PRE-CAST KNOCKOUT PANELS IS NOT PERMITTED.

APPROVED FOR CONSTRUCTION

SEP 1 4 2006

City of Rockwall Engineering Dept.
City Engineer: _____

NO.	REVISION	BY	DATE

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: AS SHOWN
DATE : JUNE 12, 2006

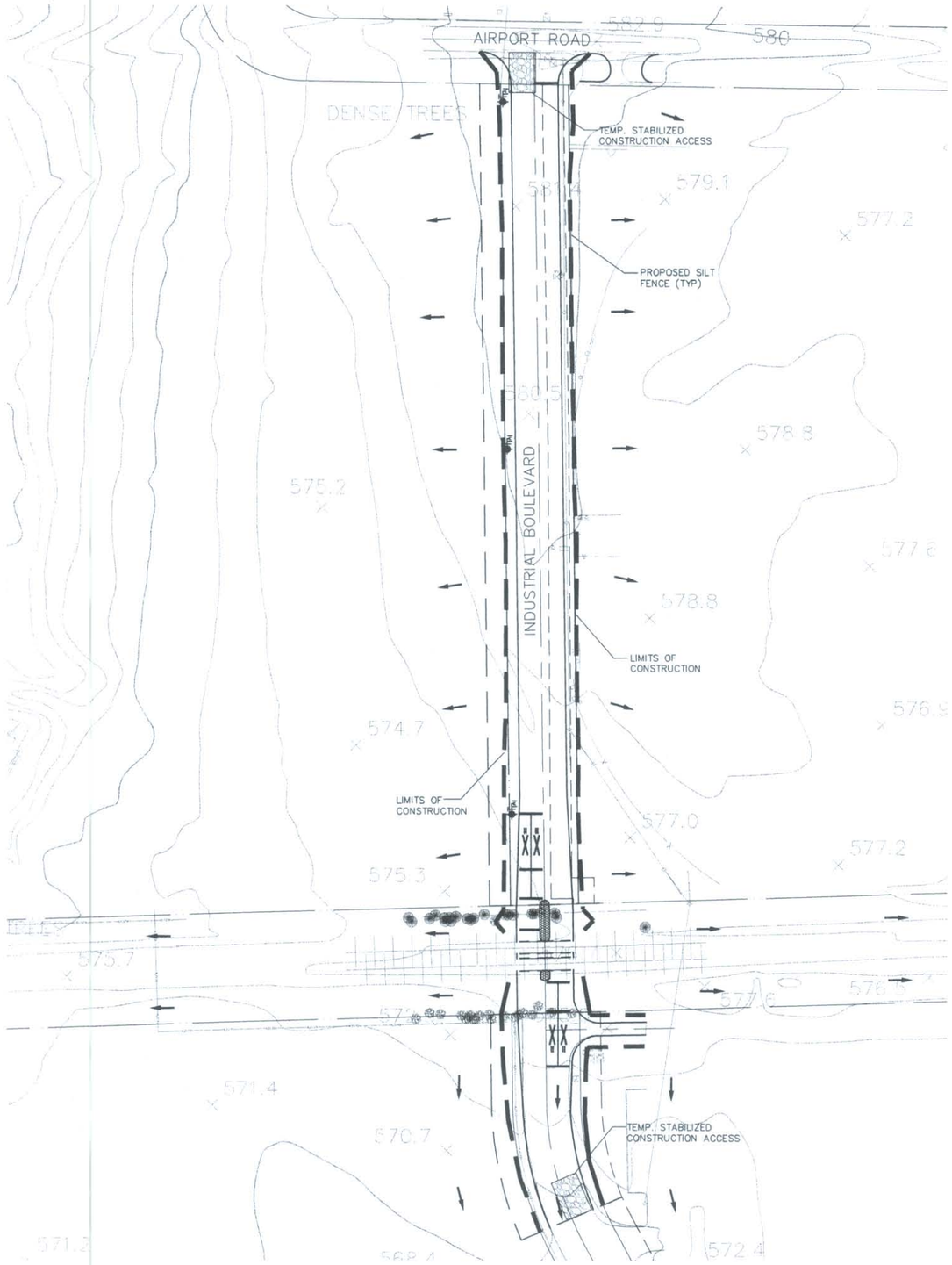
STATE OF TEXAS
BERNARD D. HIETBRINK
79466
REGISTERED
PROFESSIONAL ENGINEER
06/16/2006

PBSJ
18383 PRESTON ROAD ~ SUITE 500
DALLAS, TEXAS 75252
PH. (972) 818-7275 FAX (972) 380-2609

DETAILS

INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

SHEET NO. 8
OF 8 SHEETS
FILE NO. 520392.00



EROSION CONTROL NOTES:

1. EROSION CONTROL DEVICES AS SHOWN ON THE SWPP PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. IF THE SWPPP AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE SWPPP WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
3. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
4. TEMPORARY SEEDING OR OTHER METHOD OF STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE, UNLESS ADDITIONAL CONSTRUCTION ON THE AREA IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
5. UPON COMPLETION OF FINE GRADING, ALL AREAS NOT OTHERWISE PERMANENTLY STABILIZED SHALL BE SEEDED AND MAINTAINED UNTIL A UNIFORM COVERAGE OF 1" DEPTH (75-80%) MINIMUM DENSITY, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, IS ACHIEVED.
6. ACCUMULATED SILT AT ANY EROSION CONTROL DEVICE SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6", AND SHALL BE DISTRIBUTED ON SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL DEVICE WHICH HE DISTURBS. EACH CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. POTENTIAL UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASES, FUEL AND LUBE OIL, PESTICIDES, ANY SOLID WASTE MATERIALS, DISTURBED SOILS AND DEBRIS FROM CLEARING OPERATIONS.
8. PERMANENT REVEGETATION IN PARKWAYS SHALL BE BY BLOCK SOD.

STORM WATER DISCHARGE AUTHORIZATION

1. A SIGNED CONSTRUCTION SITE NOTICE SHALL BE POSTED AT THE CONSTRUCTION SITE FOR THE DURATION OF THE CONSTRUCTION ACTIVITY.
2. A COPY OF THE SWPPP SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE:

- PREPARING RIGHT-OF-WAY
- INSTALLATION OF EROSION CONTROL DEVICES
- GRADING AND PAVING
- RESTORATION CLEANUP

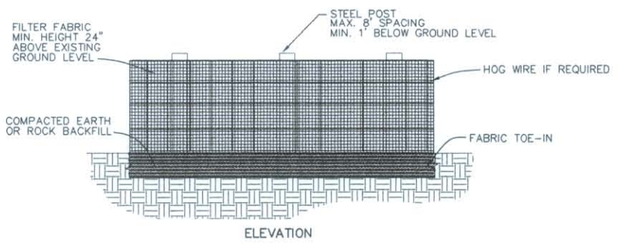
GENERAL NOTES:

1. DISTURBED AREA = 1.76 Ac
2. UNDISTURBED AREA = 0 Ac
3. TOTAL SITE AREA = 1.76 Ac
4. SEE SHEETS 5-7 FOR PROP PAVING
5. RUNOFF COEFFICIENT
   PRE -CONST. = 0.35
   POST-CONST. = 0.90

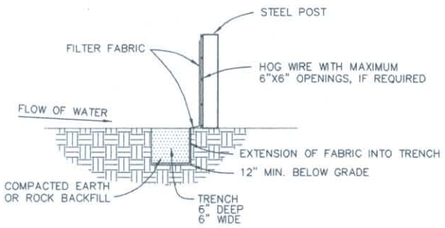
MEASUREMENT & PAYMENT:

NO PAYMENT WILL BE MADE FOR SWPPP. INCLUDE COST IN APPLICABLE CONSTRUCITON BID ITEM.

0 30 60 120
SCALE IN FEET
1" = 60'



ELEVATION



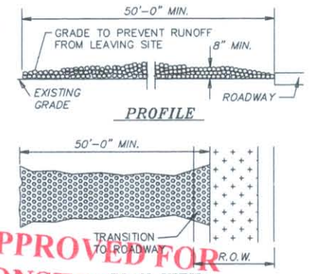
SECTION VIEW
SILT FENCE
NTS

LEGEND

- PROPOSED SILT FENCE
- EXISTING CONTOUR
- DIRECTION OF FLOW

GENERAL NOTES:

1. Stone size- 3 to 5 inch open graded rock.
2. Length- as effective, but not less than 50 feet.
3. Thickness- not less than 8 inches.
4. Width- not less than full width of all points of ingress or egress.
5. Washing- when necessary, wheels shall be cleaned to remove sediment prior to entrance onto public roadway. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse using approved methods.
6. Maintenance- the entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public roadways. This may require periodic top dressing with additional stone as conditions demand, and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public roadway must be removed immediately.
7. Drainage entrance must be properly graded or incorporate a drainage swale to prevent runoff from leaving the construction site.



STABILIZED CONSTRUCTION ENTRANCE

APPROVED FOR CONSTRUCTION
SEP 14 2006
City of Rockwall Engineering Dept.
City Engineer: _____

BENCHMARKS:

1. WELL MONUMENT #N1495 IN THE NORTHWEST QUADRANT OF AIRPORT ROAD AND THE AIRPORT ENTRANCE AS DESCRIBED IN THE NATIONAL GEODETIC SURVEY ±25.6' WEST OF THE AIRPORT ENTRANCE CENTERLINE.
   EL = 566.73
2. BRASS MONUMENT #R016 ON THE SOUTH SIDE OF AIRPORT ROAD LOCATED NORTHWEST OF THE CORNER OF THE CITY OF ROCKWALL BUILDING IN THE CONCRETE WALKWAY.
   EL = 558.68

BENCHMARKS:

3. X-CUT ON THE TOP OF CURB OF THE SOUTHERN CURB RETURN OF THE SOUTH MOST ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD.
   EL = 564.27
4. X-CUT ON THE TOP OF THE CURB OF THE SOUTHERN CURB RETURN OF THE 2nd ENTRANCE TO OWENS-ILLINOIS PLASTICS FROM NORTHBOUND EXISTING INDUSTRIAL BOULEVARD
   EL = 568.39

NO.	REVISION	BY	DATE

DESIGNED BY : PBSJ
DRAWN BY : PBSJ
CHECKED BY : PBSJ
SCALE: H: 1"=60'
DATE : JUNE 12, 2006

STATE OF TEXAS — BERNARD D. HIETBRINK — 78466 — REGISTERED PROFESSIONAL ENGINEER — 06/14/06

PBSJ
18383 PRESTON ROAD ~ SUITE 500
DALLAS, TEXAS 75252
PH. (972) 818-7275 FAX (972) 380-2609

STORMWATER POLLUTION PREVENTION PLAN
INDUSTRIAL BOULEVARD IMPROVEMENTS
RAILROAD TO AIRPORT ROAD
CITY OF ROCKWALL
JUNE 2006

SHEET NO. 3 OF 8 SHEETS
FILE NO. 520392.00