

The City of Rockwall, Texas

Plans for

TRENCHLESS SEWER REHABILITATION



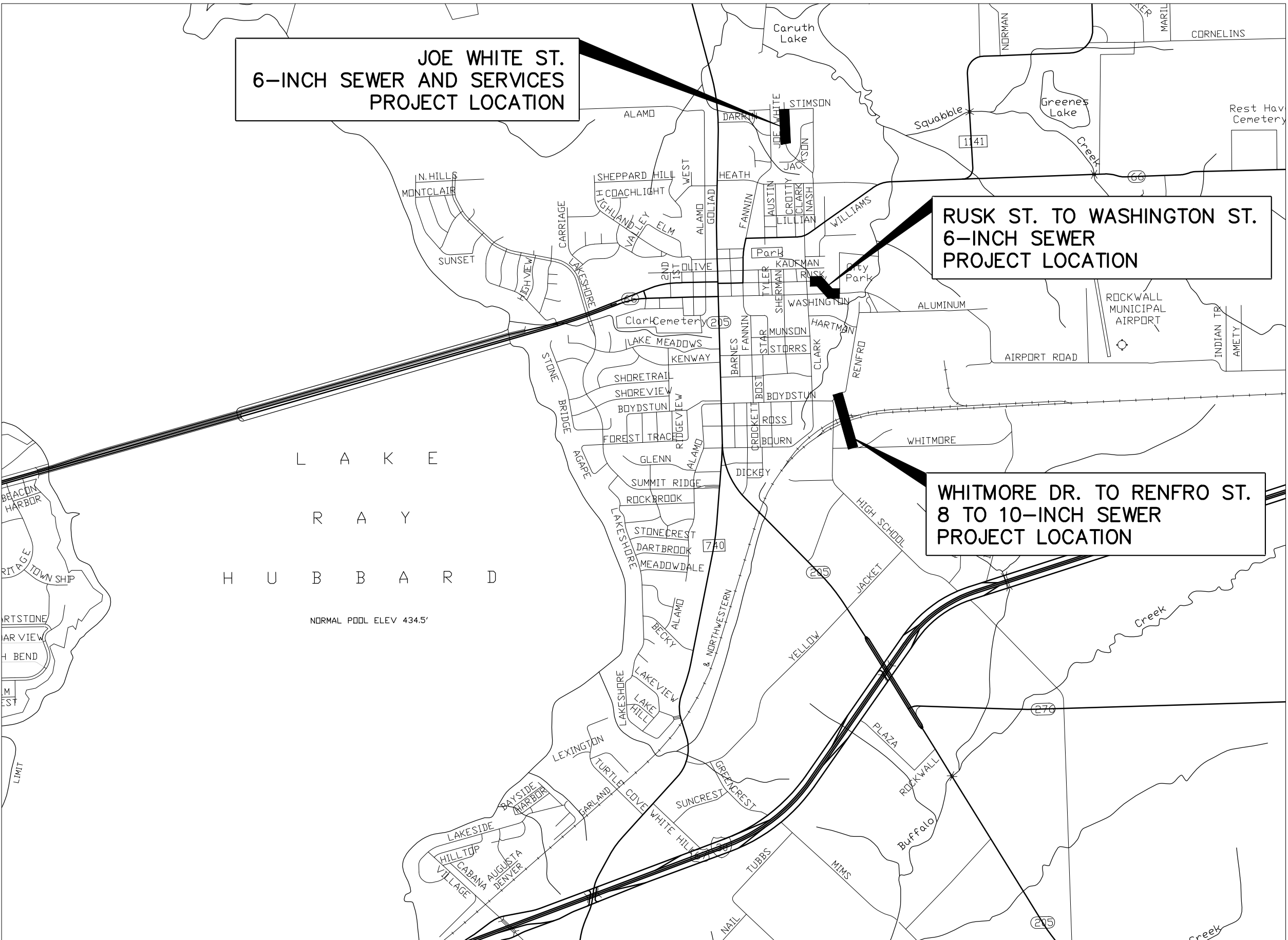
City Officials:

Mayor: David Sweet

City Council: David White, Mayor Pro Tem
Jim Pruitt
Bennie Daniels
Dennis Lewis
Scott Milder
Mike Townsend

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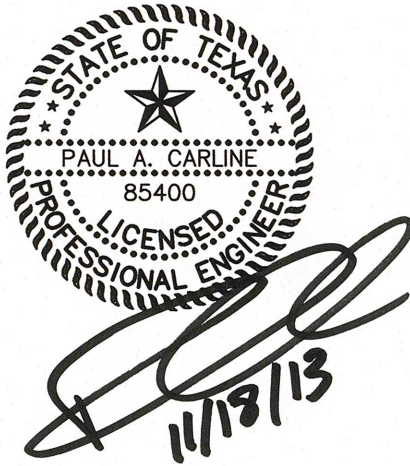


RECORD DRAWINGS

JUNE 2014

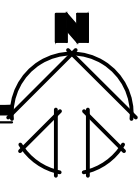
"RECORD DRAWING"
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 6/3/2014 BY: PAC



Kimley-Horn and Associates, Inc.
Texas Board Of Professional Engineers Firm Registration Number: F-928
12750 Merit Drive, Suite 1000, Dallas, TX 75251 972-770-1300

LOCATION MAP



NOVEMBER 2013

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE MEASURES FOR PREVENTING STORM WATER RUNOFF FROM ENTERING THE TRENCH DURING CONSTRUCTION.

2. CONTRACTOR SHALL SECURE EXCAVATION AT THE END OF EACH DAY. THE OWNER MAY REQUIRE THAT NO TRENCHES BE LEFT OPEN OVERNIGHT IN STREETS OR POPULATED AREAS.

3. TOPSOIL SHALL BE STOCKPILED AND REPLACED TO A MINIMUM DEPTH OF 12 INCHES AND DISC HARROWED TO A MINIMUM DEPTH OF 4 INCHES.

4. FINISHED GROUND SHALL HAVE NO MORE ROCKS OVER 1 INCH THAN SURROUNDING UNDISTURBED GROUND.

5. RESTORE GROUND TO ORIGINAL GRADE AND PREVENT PONDING OF STORM WATER RUNOFF ON ALL GROUND DISTURBED BY CONSTRUCTION ACTIVITIES.

6. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT OF ALL POWER AND TELEPHONE POLES AND GUY WIRES WITHIN 15 FEET OF PROPOSED FACILITIES AND SHALL REPAIR DAMAGED POLES AND GUY WIRES OR RELOCATE POLES AND GUY WIRES AS REQUIRED BY THE UTILITY OWNER AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR MUST CONTACT & COORDINATE ALL WORK AND FEES W/ UTILITY OWNER AT NO ADDITIONAL COST TO THE OWNER.

7. TRIMMING OF TREES SHALL BE ACCOMPLISHED USING A SAW OR PRUNING SHEARS. ALL CUT LIMBS OVER 1 INCH IN DIAMETER SHALL BE PAINTED WITH TREE WOUND PAINT IMMEDIATELY AFTER TREE TRIMMING.

8. CONTRACTOR SHALL REPLACE ANY TREES REMOVED OR DESTROYED WITHOUT THE OWNER'S PERMISSION OR SHALL PAY FAIR MARKET VALUE (AS DETERMINED BY THE OWNER) TO THE OWNER.

9. ANY FENCES DAMAGED OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AT THE SAME LOCATION WITH A FENCE OF EQUAL OR SUPERIOR QUALITY.

10. TEMPORARY FENCING SHALL BE REQUIRED WHERE INDICATED ON THE DRAWINGS, WHERE THERE IS LIVESTOCK, AND WHERE DAMAGED OR REMOVED FENCES ARE NOT TO BE REPLACED BY END OF SAME WORK DAY, OR AS DIRECTED BY OWNER. CONTRACTOR TO VERIFY PRESENCE OF LIVESTOCK WITH LANDOWNER PRIOR TO ENTERING PROPERTY.

11. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO ORDERING PIPE AND SUFFICIENTLY IN ADVANCE OF THE CONSTRUCTION SO THAT IF IT IS NECESSARY TO CHANGE OR MOVE THE UTILITY, THE PROGRESS OF THE WORK WILL NOT BE DELAYED, & ALL COSTS INCURRED FOR UTILITY CONFLICTS WILL BE AT NO ADDITIONAL COST TO THE OWNER.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICE LINES CROSSED OR EXPOSED BY HIS CONSTRUCTION OPERATIONS. WHERE EXISTING SERVICE LINES ARE CUT, BROKEN OR DAMAGED THE CONTRACTOR SHALL IMMEDIATELY REPLACE THE SERVICE LINES IN KIND WITH LIKE OR BETTER MATERIALS.

13. CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN AND PROVIDE ALL APPURTENANCES TO COMPLY WITH THE LATEST TCEQ STORM WATER POLLUTION PREVENTION REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FILING A NOTICE OF INTENT (NOI) AT THE START OF CONSTRUCTION WITH THE TCEQ AND A NOTICE OF TERMINATION (NOT) AT THE END, ALSO WITH THE TCEQ.

14. CONTRACTOR SHALL PROVIDE ADEQUATE MEASURES FOR DEWATERING AS NECESSARY.

15. CONTRACTOR SHALL REMOVE FENCES AS REQUIRED FOR CONSTRUCTION. BARBED WIRED, WROUGHT IRON, CHAIN AND CHAIN LINK FENCES SHALL BE REPLACED OR RECONSTRUCTED. NEW MATERIALS SHALL MATCH EXISTING FENCES. ALL WOOD FENCES SHALL BE REPLACED WITH NEW CEDAR WITH THE POSTS MATCHING THE MINIMUM CITY REQUIREMENTS. ANY FENCING REMOVED SHALL BE REPLACED IN KIND WITH LIKE OR BETTER MATERIALS, AND BE PAINTED OR STAINED TO MATCH EXISTING FENCE.

16. CONTRACTOR SHALL PROTECT ALL UNDERGROUND IRRIGATION SYSTEMS (KNOWN AND UNKNOWN). ALL DAMAGE SHALL BE REPAIRED BY IRRIGATOR LICENSED IN THE STATE OF TEXAS.

17. CONTRACTOR SHALL SUBMIT A WRITTEN PLAN AND SCHEDULE 14 DAYS IN ADVANCE OF CONSTRUCTION ACTIVITIES REQUIRING REPLACEMENT OR SUPPORT OF EXISTING SANITARY SEWER PIPE, WATER PIPE OR STORM DRAIN PIPE. THE PLAN SHALL DESCRIBE IN DETAIL THE METHOD FOR REPLACING OR SUPPORTING EXISTING PIPE AND ASSOCIATED SCHEDULE.

18. CONTRACTOR SHALL PROVIDE THE OWNER AS-BUILT ELEVATIONS OF MANHOLE COVERS AND ELEVATION OR HEIGHT TO GRADE RINGS.

19. FOLLOWING INSTALLATION OF FACILITIES ACROSS WATERWAYS, WATERWAY BOTTOM AND BANKS SHALL BE RESTORED TO THEIR ORIGINAL CONFIGURATION AND REVEGETATED.

20. THE CONTRACTOR SHALL EMPLOY ADEQUATE METHODS TO MINIMIZE TURBIDITY IN WATERWAYS DURING ALL PHASES OF THE PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS CONCERNING WATER POLLUTION AND CONTROL OF EROSION.

21. CONTRACTOR SHALL CLEAN THE RIGHT-OF-WAY OF ANY AND ALL TRASH.

22. NO FIRES WILL BE ALLOWED. BRUSH AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE.

23. ANY EXISTING UTILITY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IMMEDIATELY WITH LIKE OR BETTER MATERIALS.

24. CONTRACTOR SHALL NOT DAMAGE EXISTING TREES LARGER THAN 3 INCHES IN DIAMETER (MEASURED 4 FT. ABOVE THE GROUND) THAT ARE MORE THAN TWELVE FEET FROM CENTERLINE OF NEW INTERCEPTOR. THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE OWNER'S REPRESENTATIVE BEFORE ANY TREES MORE THAN 10-FT FROM CENTERLINE OF INTERCEPTOR CAN BE REMOVED OR TRIMMED.

25. CONTRACTOR SHALL BE REQUIRED TO INSTALL TEMPORARY TEST PLUGS FOR HYDROSTATIC TESTING AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.

26. CONTRACTOR, AT HIS DISCRETION, MAY TUNNEL UNDER EXISTING UTILITIES OR ROADWAYS OTHER THAN THOSE CROSSINGS SPECIFICALLY SHOWN ON THE DRAWINGS, AT NO ADDITIONAL COST TO THE OWNER.

27. IT SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR TO REBUILD THE CONCRETE OR ASPHALT PAVEMENT REPLACEMENT SECTIONS TO THE SAME LINE AND GRADE AS WAS EXISTING PRIOR TO PIPELINE CONSTRUCTION.

28. ALL NEW TREES REQUESTED BY THE OWNER SHALL BE PLANTED BY A NURSERYMAN LICENSED IN THE STATE OF TEXAS.

29. SURVEY POINTS INDICATED AS "CONTROL POINT" (IRON ROD SETS, "X" IN CONC, AND 60D NAILS POINT-) SHALL BE USED FOR HORIZONTAL AND VERTICAL SURVEY CONTROL FOR THE PROJECT.

30. THE CONTRACTOR SHALL RESTORE AT HIS OWN EXPENSE, TEMPORARY ROADS AND CONSTRUCTION WORK AREAS.

31. IN ACCORDANCE WITH TEXAS STATE LAW, AT LEAST 2 DAYS PRIOR TO BEGINNING EXCAVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING A TEXAS REGISTERED NOTIFICATION CENTER (I.E. TEXAS ONE CALL, DIG TESS, ETC.). IN ORDER TO HAVE EXISTING UTILITIES LOCATED. DIGTESS: 1-800-344-8377.

32. BLASTING WILL NOT BE ALLOWED.

33. CONSTRUCTION SURVEYING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR INCLUDING BUT NOT LIMITED TO LIMITS OF PERMANENT EASEMENT, TEMPORARY EASEMENT, CENTERLINE, ETC. THE CONTRACTOR SHALL VERIFY ALL CONTROL MONUMENTATION PRIOR TO BEGINNING CONSTRUCTION.

34. CLEARING AND GRUBBING MAY BEGIN NO SOONER THAN TWO WEEKS PRIOR TO PIPE TRENCHING OPERATIONS. PIPE STRINGING SHALL BE NO MORE THAN TWO WEEKS PRIOR TO PIPE LAYING. BACKFILL, CLEAN-UP, AND SURFACE RESTORATION SHALL BE COMPLETED NO MORE THAN TWO WEEKS AFTER PIPE LAYING AND NO MORE THAN 500 FEET FROM PIPE LAYING OPERATIONS. THE SITE SHALL BE KEPT CLEAN OF TRASH AT ALL TIMES. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN WITHHOLDING SOME OR ALL PAYMENT TO THE CONTRACTOR.

35. CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC ON ALL ROADS AT ALL TIMES, AND CONSTRUCT TEMPORARY BYPASS, IF NECESSARY, IF THE ROADWAY MUST BE CLOSED TO FACILITATE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER AND THE RIGHT-OF-WAY OWNER FOR THE ROADWAY FOR APPROVAL NO LESS THAN 14 DAYS IN ADVANCE OF THE PROPOSED ROADWAY CLOSURE. ANY COMMENTS RECEIVED ON THE PLAN BY THE OWNER OR RIGHT-OF WAY OWNER SHALL BE INCORPORATED INTO THE PLAN. THE PLAN SHALL BE PREPARED SPECIFICALLY FOR THIS PROJECT AND SHALL BE SEALED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF TEXAS. THE COST TO PREPARE THE TRAFFIC CONTROL PLAN, WHEN REQUIRED, SHALL BE MADE INCIDENTAL TO THE PROJECT. IF AT ANYTIME DURING CONSTRUCTION THE CONTRACTOR'S PROPOSED PLAN OF OPERATION FOR HANDLING TRAFFIC DOES NOT PROVIDE FOR THE SAFE, COMFORTABLE MOVEMENT OF TRAFFIC, THE CONTRACTOR SHALL IMMEDIATELY CHANGE HIS OPERATIONS TO CORRECT THE UNSATISFACTORY CONDITIONS.

36. CONTRACTOR SHALL PROVIDE APPROPRIATE SIGNAGE, BARRICADES, FLAGMEN, ETC. REQUIRED TO MAINTAIN SAFE TRAFFIC FLOW AT ALL TIMES FOR ANY WORK ACTIVITY ON OR ADJACENT TO ANY CITY, COUNTY OR TXDOT ROADWAY. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH TXDOT'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

37. CONTRACTORS OPERATIONS MUST STAY WITHIN THE PERMANENT AND TEMPORARY EASEMENTS AND CONTRACTOR'S WORK AREA DESIGNATED ON THE PLAN SHEETS. ANY DAMAGE OUTSIDE THESE OPERATIONS SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTORS EXPENSE. ACCESS ROUTES OR OPERATIONS WHICH FALL OUTSIDE THE DESIGNATED AREAS WILL ONLY BE ALLOWED WITH PRIOR LANDOWNER CONSENT. CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY OF ANY AGREEMENTS MADE BETWEEN THE LANDOWNER AND THE CONTRACTOR.

38. THE CONTRACTOR SHALL PROVIDE A VIDEO TAPE TO THE OWNER DOCUMENTING THE CONDITION OF THE PIPELINE ROUTE, INCLUDING THE RIGHT-OF-WAY, PERMANENT EASEMENT, TEMPORARY EASEMENT AND SURROUNDING AREA PRIOR TO THE START OF ANY CONSTRUCTION. VIDEO TO BE PROVIDED PRIOR TO FIRST PAYMENT TO CONTRACTOR.

GENERAL NOTES (CONTINUED)

39. PROVIDE ACCESS FOR LANDOWNERS AT EXISTING ROADS AND DRIVES AT ALL TIMES.
40. WHERE IT IS NECESSARY FOR LANDOWNERS TO MOVE TRAILERS, SHEDS, OR OTHER FACILITIES OR IMPROVEMENTS, OR WHEN THE CONTRACTOR INTENDS TO MOVE SUCH FACILITIES OR IMPROVEMENTS, CONTRACTOR SHALL NOTIFY THE LAND OWNER AND THE OWNER NO LESS THAN 14 DAYS PRIOR TO MOVING THE FACILITIES OR IMPROVEMENTS.
41. WHERE NOT OTHERWISE NOTED BY GRADING PLAN RESTORE GROUND TO ORIGINAL GRADE AND PREVENT PONDING OF STORM WATER RUNOFF ON ALL GROUND DISTURBED BY CONSTRUCTION ACTIVITIES.
42. CONTRACTOR SHALL PROTECT ALL TREES, LANDSCAPING AND STRUCTURES LOCATED WITHIN THE RIGHT-OF-WAY AND EASEMENTS. TREES, LANDSCAPING AND STRUCTURES NOT INDICATED FOR REMOVAL OR TRANSPLANT ON THE PLANS SHALL NOT BE REMOVED OR TRANSPLANTED WITHOUT RECEIVING WRITTEN APPROVAL FROM THE OWNER.
43. PIPE USED FOR PIPE BURSTING REPLACEMENT OF EXISTING PIPE SHALL BE HDPE. SEE TECHNICAL SPECIFICATIONS.
44. REHABILITATION OF EXISTING MANHOLES SHALL BE ACCOMPLISHED USING RAVEN LINING 405 APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. LINED MANHOLES SHALL BE SPARK AND PRESSURE TESTED.
45. CONTRACTOR SHALL PROVIDE, OPERATE & MAINTAIN BYPASS PUMPING THROUGHOUT DURATION OF PROJECT. (NO PAY ITEM).
46. ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS AND THE NCTCOG 3RD EDITION REVISIONS.
47. CONTRACTOR SHALL REPLACE ALL GRASS DAMAGED IN ASSOCIATION WITH CONSTRUCTION WITH SOLID BLOCK SODDING. SOLID BLOCK SODDING SHALL MATCH EXISTING ADJACENT GRASS TYPE. (NO PAY ITEM).
48. PVC GRAVITY SEWER PIPE SHALL BE SDR 35, PS 46, ASTM D3034.

LEGEND

	ROOF DRAIN		MAIL BOX
	CABLE TV BOX		NEWS STAND
	CABLE TV HANDHOLE		PHONE BOOTH
	CABLE TV MANHOLE		SECURITY CAMERA
	CABLE TV MARKER FLAG		TRASH BIN
	CABLE TV MARKER SIGN		SANITARY SEWER BOX
	CABLE TV VAULT		SANITARY SEWER CLEAN OUT
	COMMUNICATIONS BOX		SANITARY SEWER HANDHOLE
	COMMUNICATIONS HANDHOLE		SANITARY SEWER LIFT STATION
	COMMUNICATIONS MANHOLE		SANITARY SEWER METER
	COMMUNICATIONS MARKER FLAG		SANITARY SEWER MANHOLE
	COMMUNICATIONS MARKER SIGN		SANITARY SEWER MARKER FLAG
	COMMUNICATIONS VAULT		SANITARY SEWER MARKER SIGN
	ELEVATION BENCHMARK		SANITARY SEWER SEPTIC TANK
	FLOW DIRECTION		SANITARY SEWER VAULT
	FIBER OPTIC BOX		STORM SEWER BOX
	FIBER OPTIC HANDHOLE		STORM SEWER DRAIN
	FIBER OPTIC MANHOLE		STORM SEWER HANDHOLE
	FIBER OPTIC MARKER FLAG		STORM SEWER METER
	FIBER OPTIC MARKER SIGN		STORM SEWER MANHOLE
	FIBER OPTIC VAULT		STORM SEWER MARKER FLAG
	MONITORING WELL		STORM SEWER MARKER SIGN
	FUEL TANK		STORM SEWER VAULT
	GAS BOX		TRAFFIC BARRIER
	GAS HANDHOLE		TRAFFIC BOLLARD
	GAS METER		TRAFFIC BOX
	GAS MANHOLE		CROSS WALK SIGNAL
	GAS MARKER FLAG		TRAFFIC HANDHOLE
	GAS SIGN		TRAFFIC MANHOLE
	GAS TANK		TRAFFIC MARKER SIGN
	GAS VAULT		TRAFFIC CAMERA
	GAS VALVE		TRAFFIC SENSOR
	GAS WELL		TRAFFIC SIGNAL
	TELEPHONE BOX		TRAFFIC VAULT
	TELEPHONE HANDHOLE		UNIDENTIFIED BOX
	TELEPHONE MANHOLE		UNIDENTIFIED HANDHOLE
	TELEPHONE MARKER FLAG		UNIDENTIFIED METER
	TELEPHONE MARKER SIGN		UNIDENTIFIED MANHOLE
	TELEPHONE VAULT		UNIDENTIFIED MARKER FLAG
	PIPELINE BOX		UNIDENTIFIED MARKER SIGN
	PIPELINE HANDHOLE		UNIDENTIFIED POLE
	PIPELINE METER		UNIDENTIFIED TANK
	PIPELINE MANHOLE		UNIDENTIFIED VAULT
	PIPELINE MARKER FLAG		UNIDENTIFIED VALVE
	PIPELINE MARKER SIGN		TREE
	PIPELINE VAULT		WATER BOX
	PIPELINE VALVE		FIRE DEPT. CONNECTION
	ELECTRIC BOX		WATER HAND HOLE
	FLOOD LIGHT		FIRE HYDRANT
	GUY ANCHOR		WATER METER
	GUY ANCHOR POLE		WATER MANHOLE
	ELECTRIC HANDHOLE		WATER MARKER FLAG
	LIGHT STANDARD		WATER MARKER SIGN
	ELECTRIC METER		WATER TANK
	ELECTRIC MANHOLE		WATER VAULT
	ELECTRIC MARKER FLAG		WATER VALVE
	ELECTRIC MARKER SIGN		AIR RELEASE VALVE
	UTILITY POLE		WATER WELL
	ELECTRIC SWITCH		C.M. CONTROL LINE MONUMENT
	ELECTRIC TRANSFORMER		IRSC IRON ROD W/ "KHA" CAP SET
	ELECTRIC VAULT		IRFC IRON ROD WITH CAP FOUND
	HANDICAPPED PARKING		PKS PK NAIL SET
	PARKING METER		PKF PK NAIL FOUND
	RAILROAD BOX		IRF IRON ROD FOUND
	RAILROAD HANDHOLE		XS "X" CUT IN CONCRETE SET
	RAILROAD SIGNAL		XF "X" CUT IN CONCRETE FOUND
	RAILROAD SIGN		P.O.B. POINT OF BEGINNING
	RAILROAD VAULT		P.O.C. POINT OF COMMENCING
	SIGN		
	MARQUEE/BILLBOARD		
	A/C UNIT		
	BASKET BALL GOAL		
	BORE LOCATION		
	FLAG POLE		
	GOAL POST		
	GREASE TRAP		
	IRRIGATION VALVE		

EXISTING UTILITY OWNERS

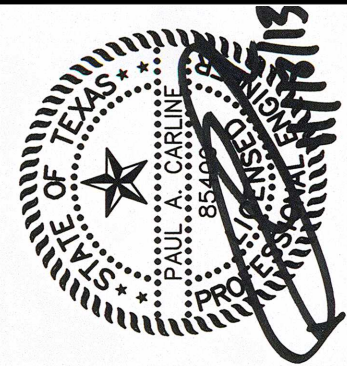
NORTH TEXAS MUNICIPAL WATER DISTRICT	BRUCE COLE	(972) 442-5405	
CITY OF ROCKWALL – ENGINEERING	TIM TUMULTY	(972) 771-7746	CITY ENGINEER
CITY OF ROCKWALL – WATER & WASTEWATER	–	(972) 771-7730	
COMCAST	–	(800) 252-1133	
RCH WSC	DWIGHT LINDOP	(972) 670-9091	
SOUTHWESTERN BELL TELEPHONE	–	(800) 395-0440 (800) 545-6005	
TCI CABLE	–	(214) 328-5000	
TEXAS ONE CALL SYSTEM	–	(800) 245-4545	
TEXAS EXCAVATION SAFETY SYSTEM	–	(800) 344-8377	
ONCOR	RICHARD BREWSTER	(214) 486-4245	
ATMOS ENERGY	LINE LOCATE EMERGENCY BEN CURTIS RONNEY LINTON	(800) 344-8377 (800) 817-8090 (800) 344-8377 (469) 261-2023	
LEVEL 3 FIBER OPTIC	–	(877) 366-8344	
METRO MEDIA FIBER OPTIC	–	(972) 771-7746	DIG/EMERGENCY

LINE TYPE LEGEND

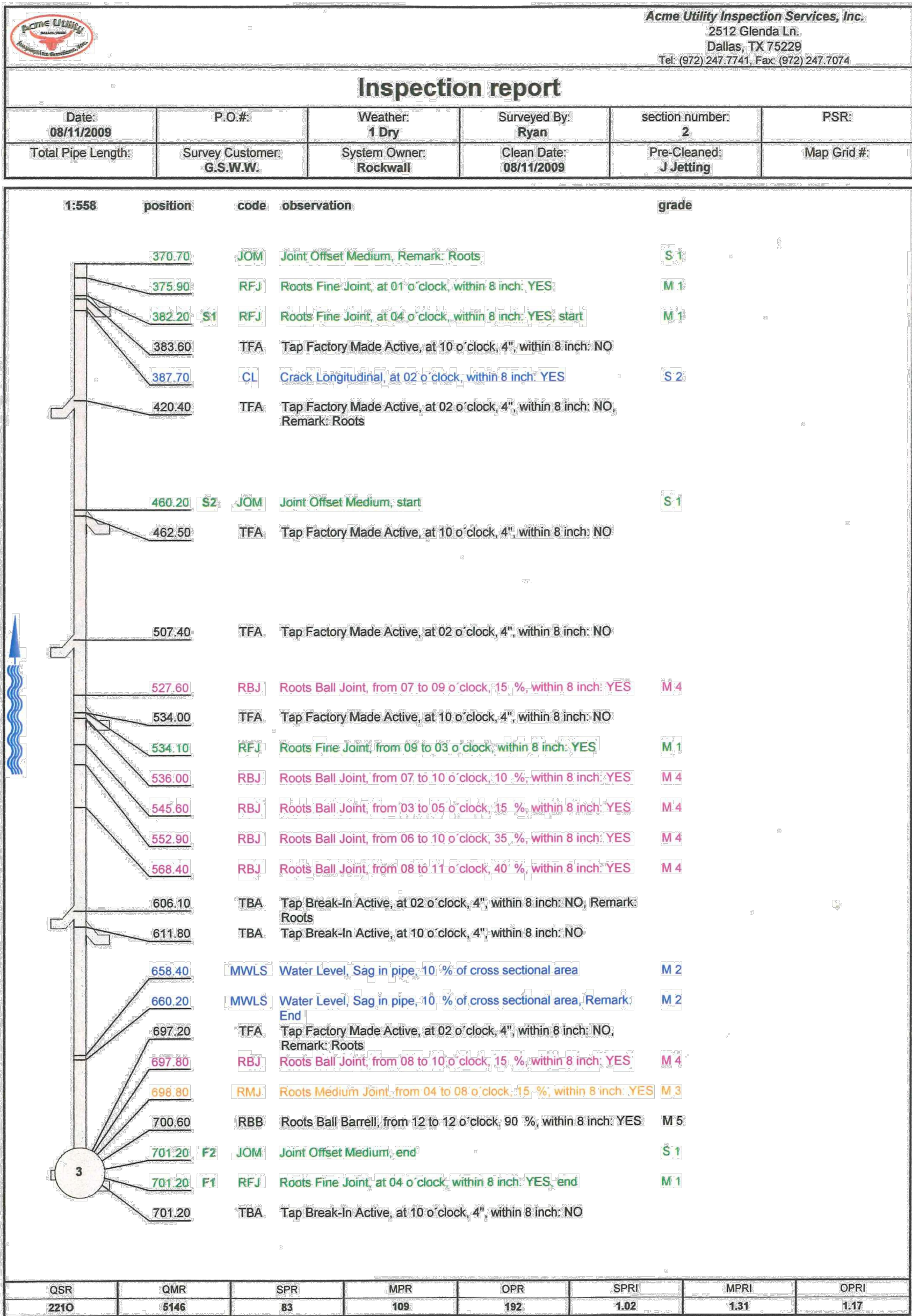
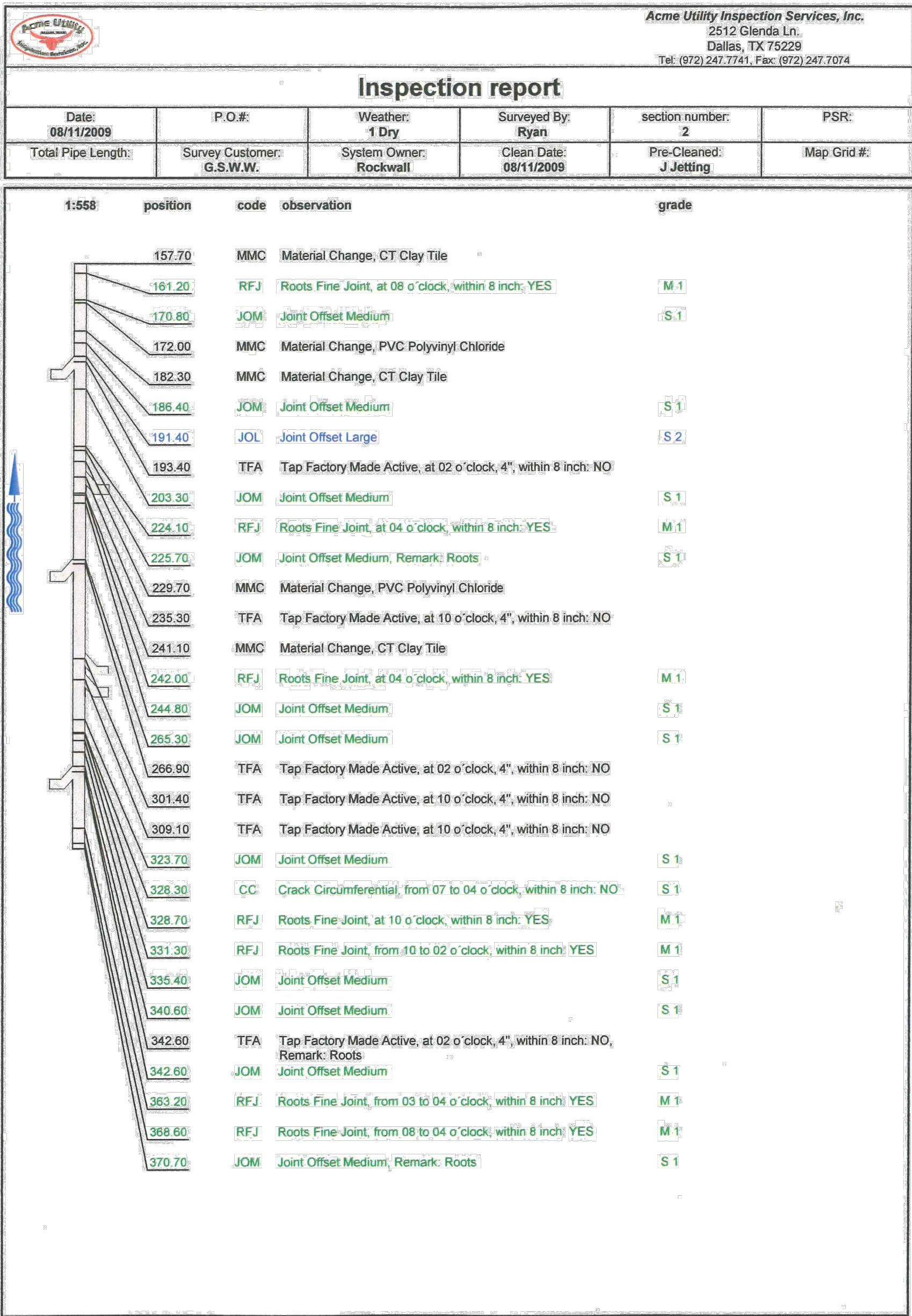
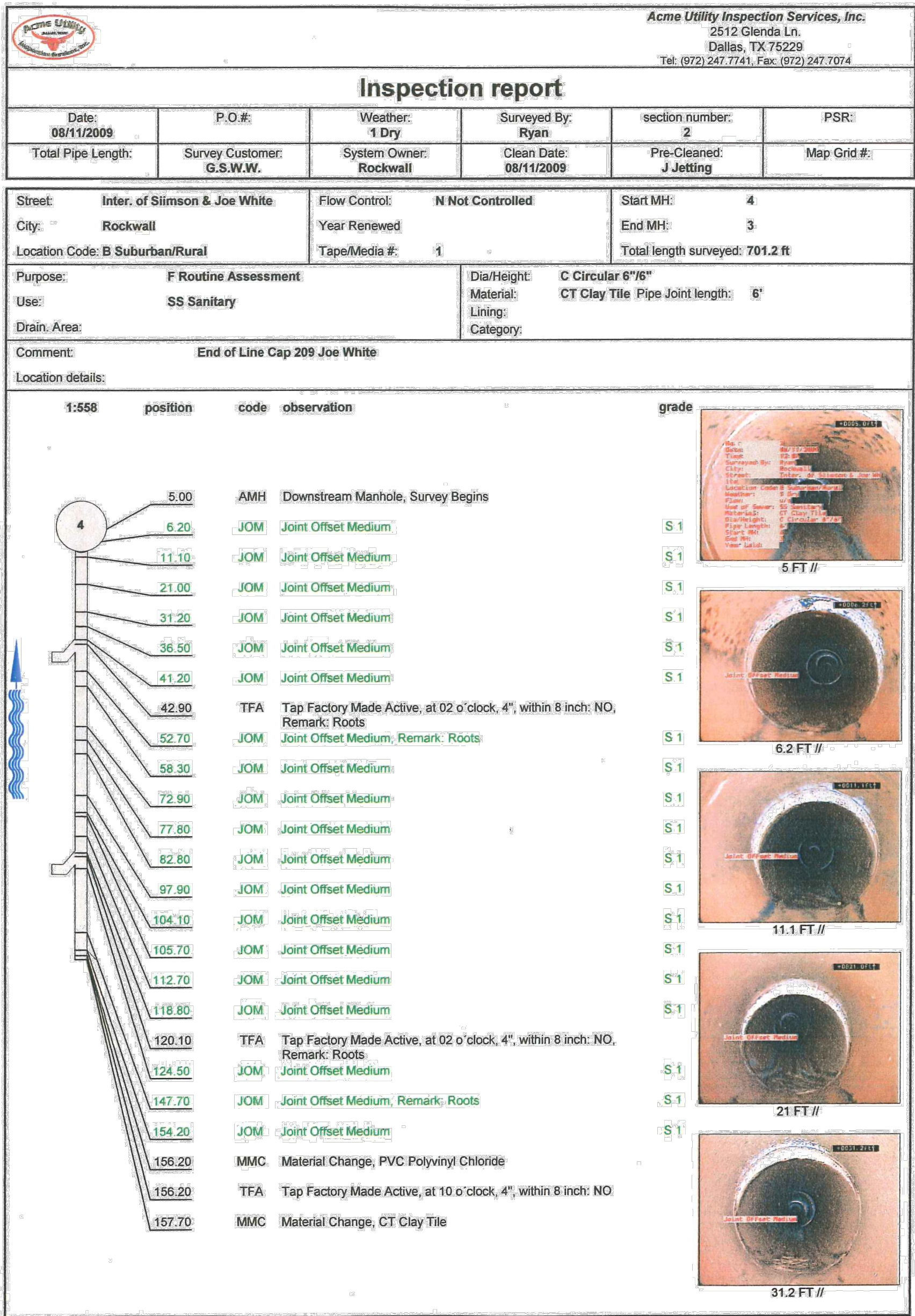
	BOUNDARY LINE
	EASEMENT LINE
	BUILDING LINE
	WATER LINE
	SANITARY SEWER LINE
	STORM SEWER LINE
	UNDERGROUND GAS LINE
	OVERHEAD UTILITY LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
	FENCE
	CONCRETE PAVEMENT
	ASPHALT PAVEMENT

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DATE: 6/3/2014 BY: PAC



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NOTES:

1. MAINLINE SHALL BE TRENCHLESSLY REPLACED USING PIPE BURSTING.
2. SERVICES SHALL BE REPLACED BY OPEN CUT BETWEEN THE MAINLINE AND RIGHT-OF-WAY LINE USING PVC, ASTM D3034, SDR 35 PIPE.
3. MAINLINE SHALL BE CLEANED AND PRE-CONSTRUCTION VIDEO INSPECTED BY CONTRACTOR. CONTRACTOR SHALL THEN MEET WITH CITY STAFF TO DETERMINE IF ANY SEGMENTS NEED TO BE REPLACED BY OPEN CUT POINT REPAIR PRIOR TO CIPP LINING.
4. RESIDENCES WITH MULTIPLE SERVICES SHALL BE DYE TESTED TO DETERMINE WHICH SERVICE IS ACTIVE (NO PAY ITEM). IF A SERVICE IS DETERMINED TO BE INACTIVE, IT SHALL NOT BE REINSTATED AFTER MAINLINE REPLACEMENT PER CITY APPROVAL.
5. REHABILITATION OF EXISTING MANHOLES SHALL BE ACCOMPLISHED USING RAVEN LINING 405 APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN BYPASS PUMPING THROUGH DURATION OF PROJECT. (PAYMENT SUBSIDIARY TO SEWER REPLACEMENT)
7. PAVEMENT REMOVAL AND REPLACEMENT INCLUDES CURB AND GUTTER.

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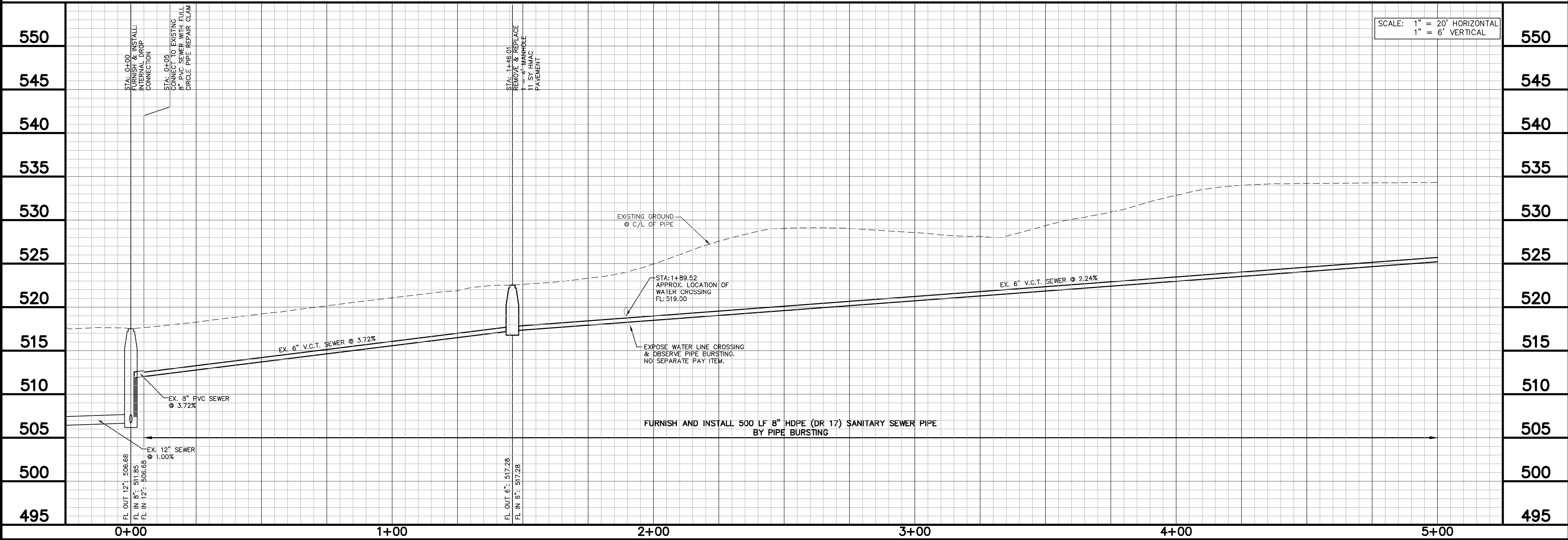
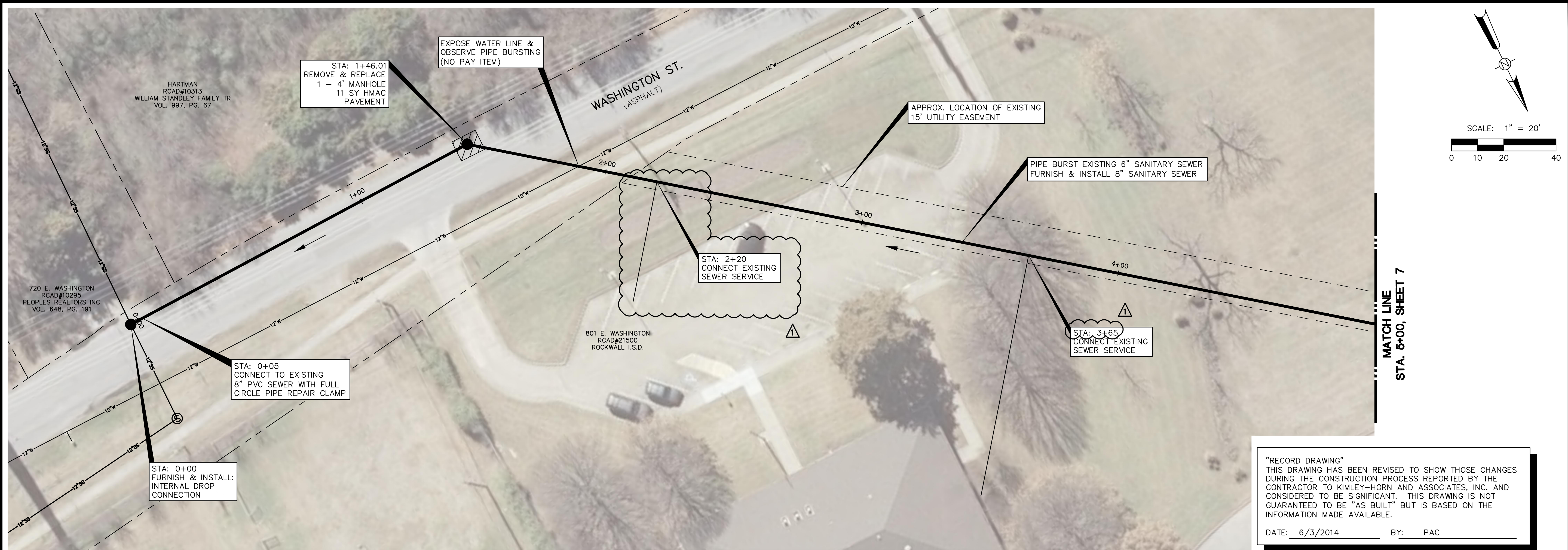
DATE: 6/3/2014 BY: PAC



City of Rockwall
Trenchless Sewer
Rehabilitation

JOE WHITE STREET
INSPECTION REPORT & NOTES

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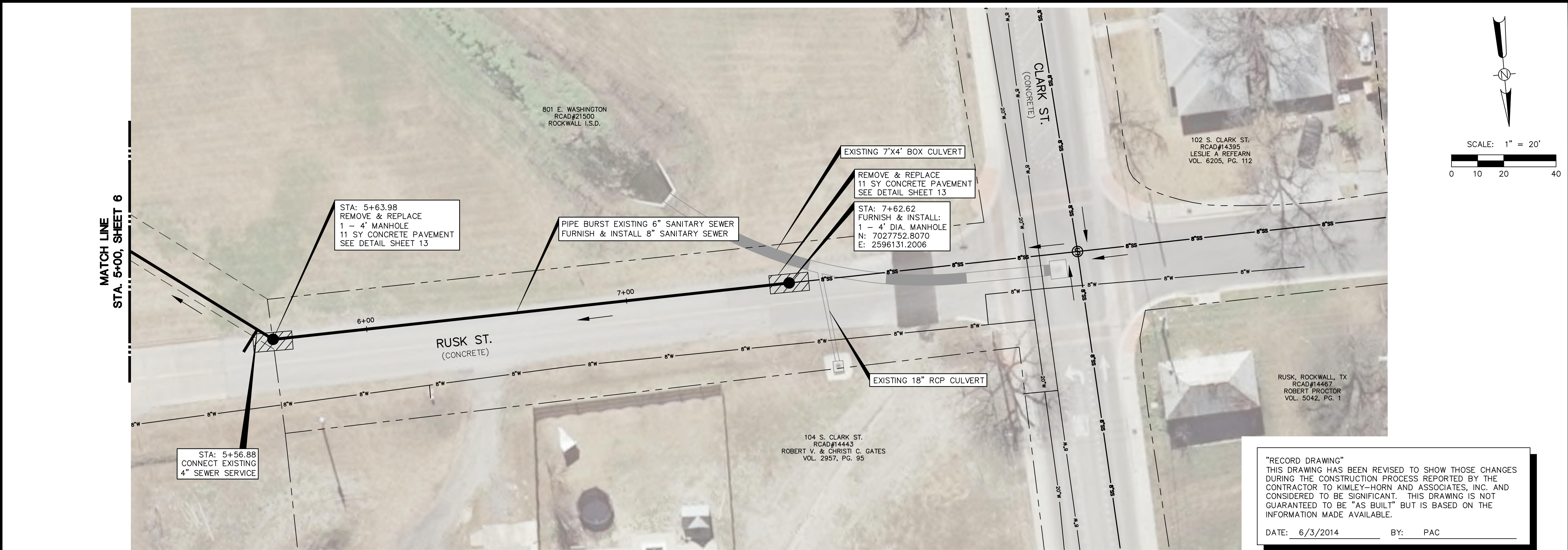


Kimley-Horn and Associates, Inc. 12750 Merrill Drive, Suite 1000, Dallas, TX 75231 972-770-1300	
No.	1
By	PAC
Date	6/3/14
Revision RECORD DRAWINGS	

City of Rockwall Trenchless Sewer Rehabilitation	
RUSK STREET TO WASHINGTON STREET SEWER PIPE BURSTING PLAN & PROFILE	
DATE:	NOVEMBER 2013
DESIGN:	PAC
DRAWN:	JAS
CHECKED:	MSP
KHA NO.:	064420904

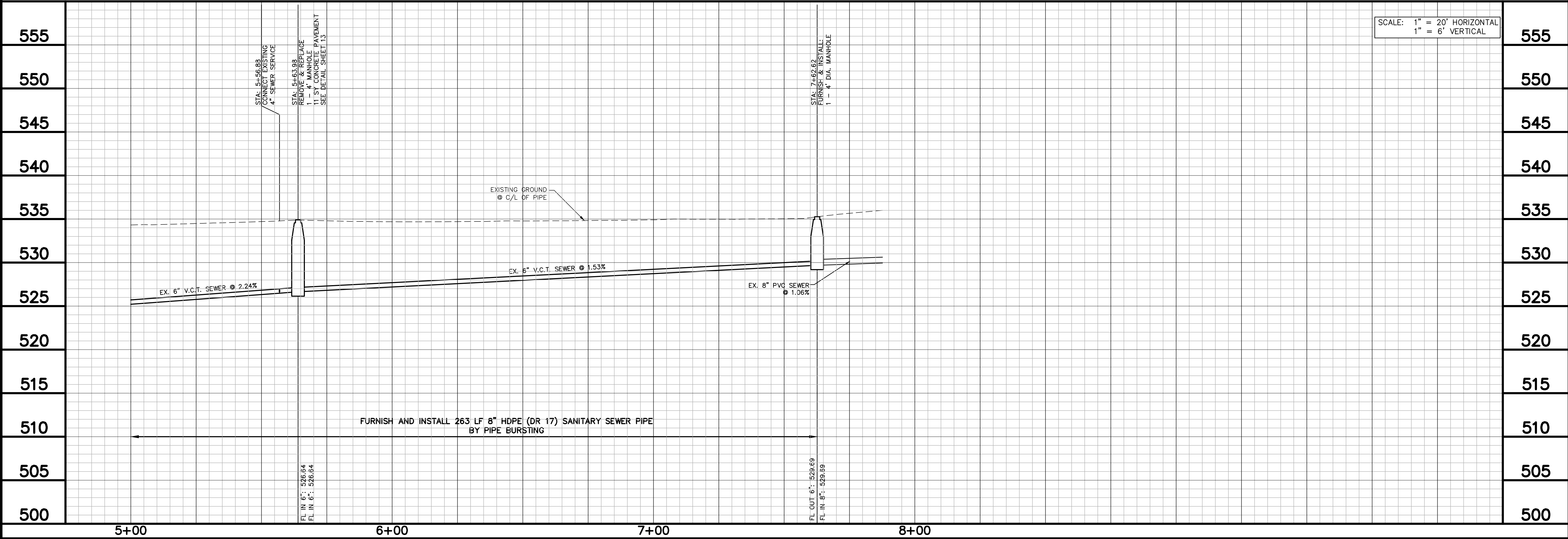
SHEET	
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Kimley-Horn and Associates, Inc.

12750 Merrill Drive, Suite 1000, Dallas, TX 75251 972-770-1300

Project No. 064420904

Revision

By

Date

City of Rockwall

Trenchless Sewer Rehabilitation

RUSK STREET TO WASHINGTON STREET SEWER PIPE BURSTING PLAN & PROFILE

DATE: NOVEMBER 2013

DESIGN: PAC

DRAWN: JAS

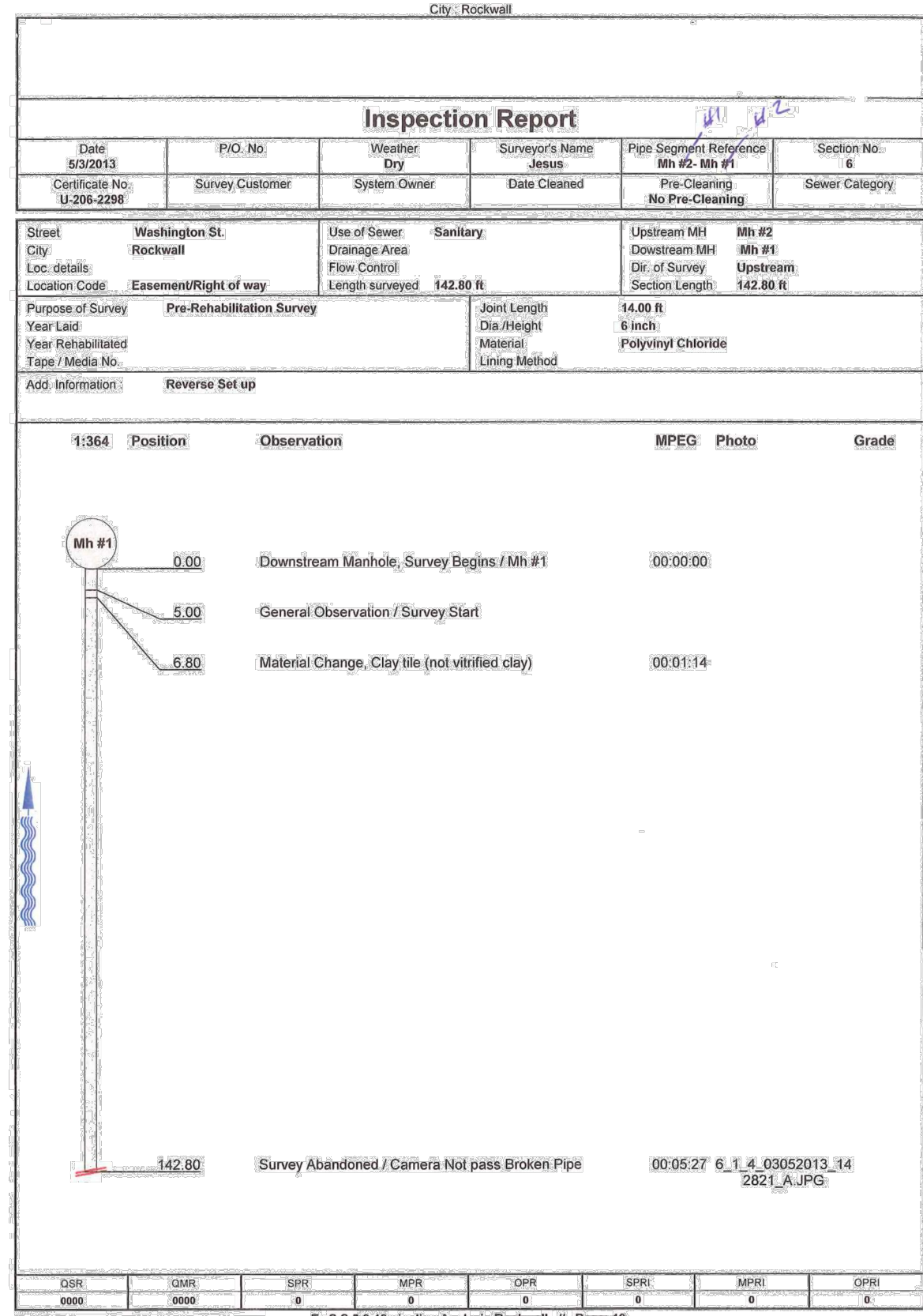
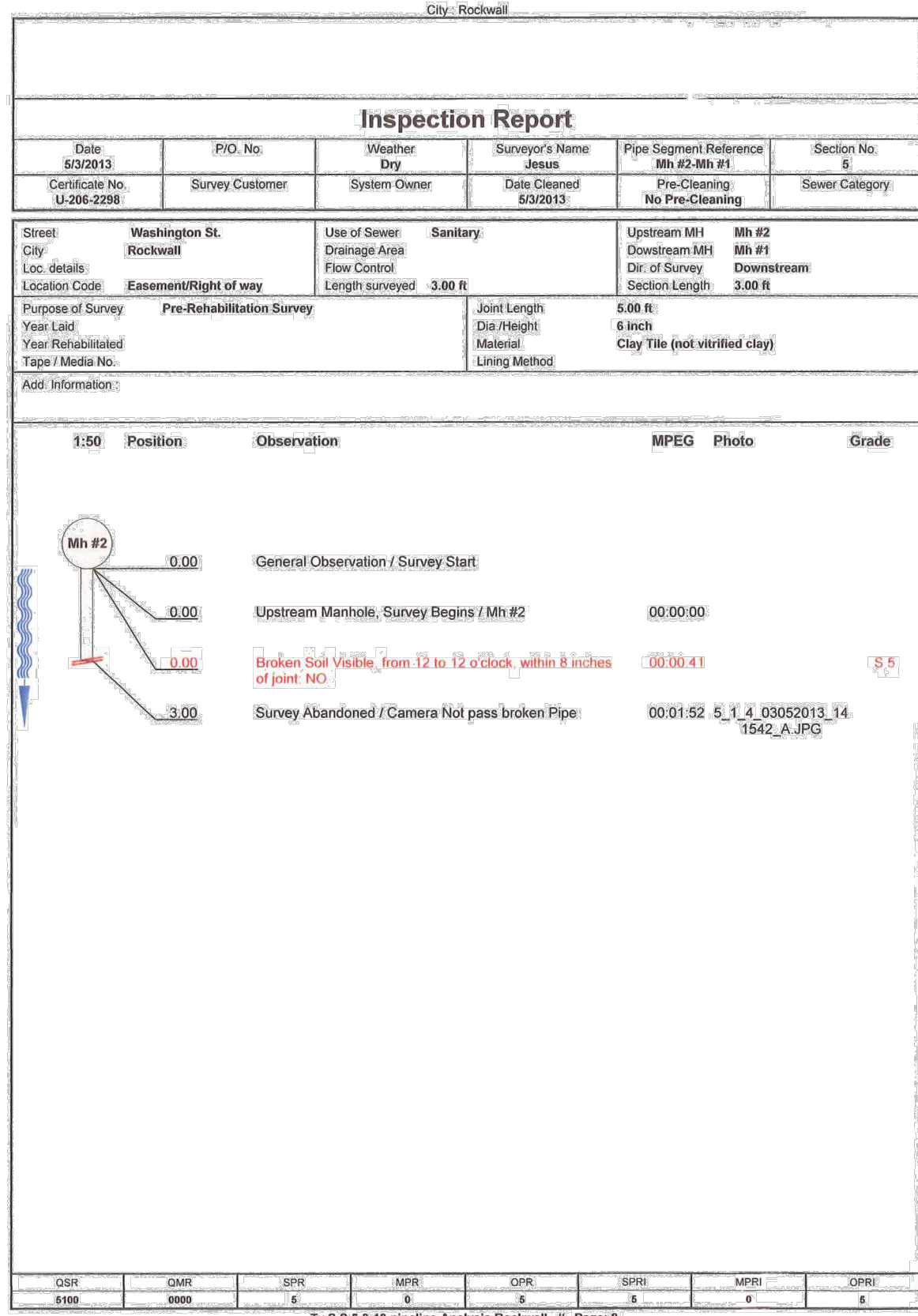
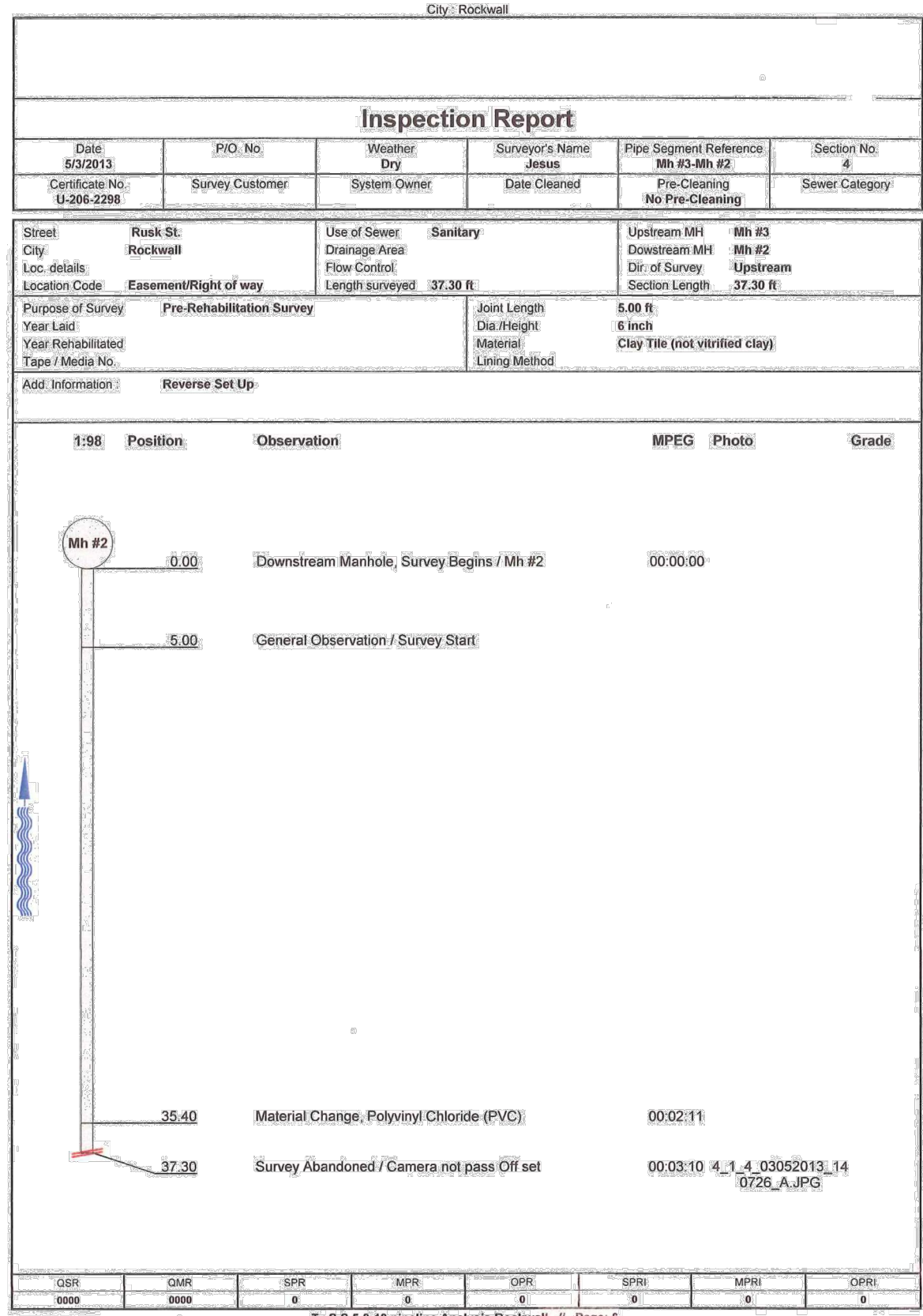
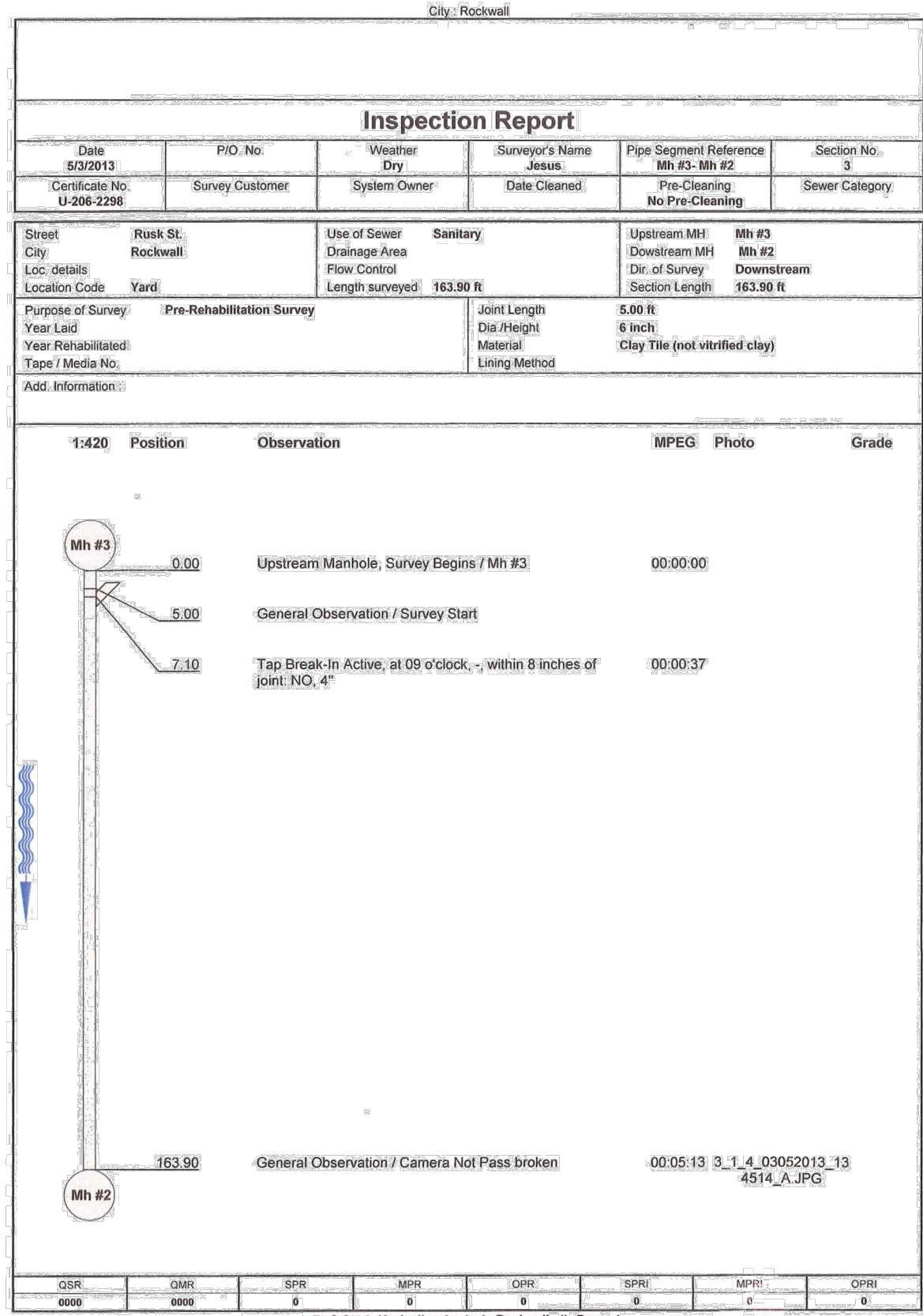
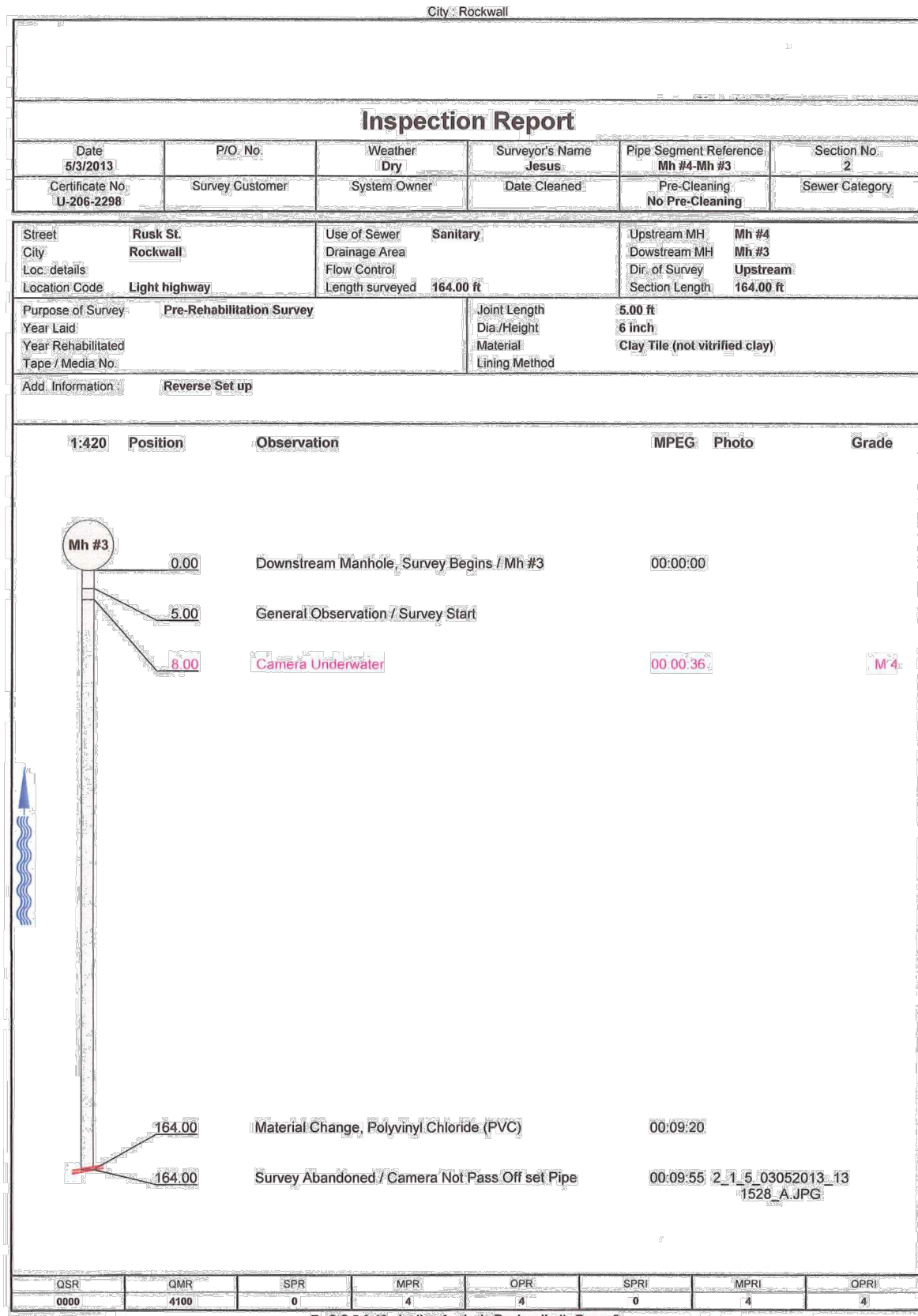
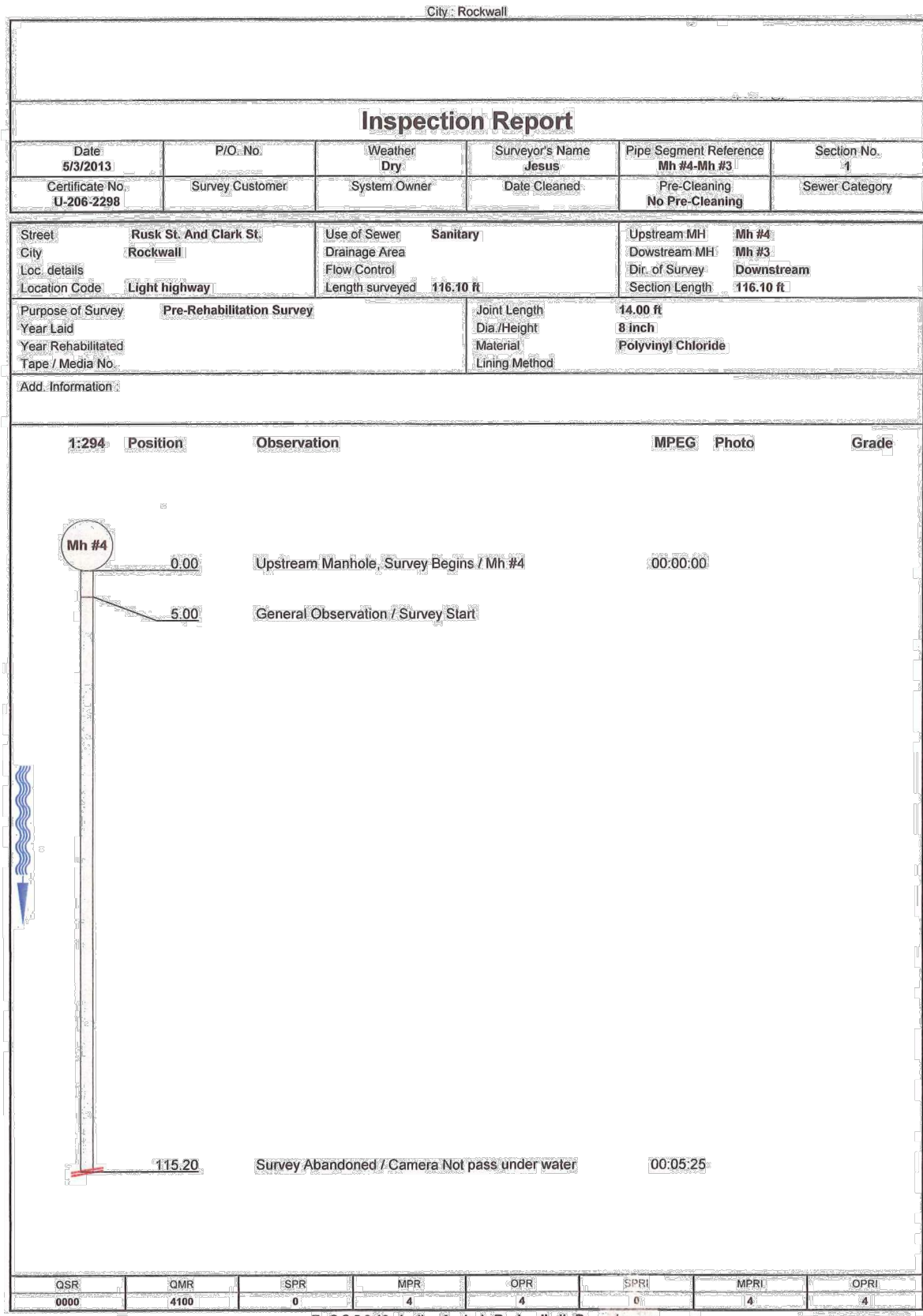
CHECKED: MSP

KHA NO.: 064420904

SHEET

7

K:\DAL_Municipal\064420904 - Rockwall W&S Replacements\5_Design\DWG\Plan Streets\Washington St - TV.dwg



"RECORD DRAWING"
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE "AS BUILT". THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 6/3/2014 BY: PAC

Kimley-Horn and Associates, Inc.
12750 Merrill Drive, Suite 1000, Dallas, TX 75221 972-770-1300

STATE OF TEXAS
PAUL A. CARLINE
Professional Engineer
No. 12433

DATE: NOVEMBER 2013
DESIGN: PAC
DRAWN: JAS
CHECKED: MSP
KHA NO.: 064420904

SHEET
8

RUSK STREET TO WASHINGTON STREET
INSPECTION REPORT & NOTES

City of Rockwall
Trenchless Sewer
Rehabilitation

k:\DAL_Municipal\064420904 - Rockwall W&S Replacements\5_Design\DWG\Plan Sheets\Whitmore Dr.dwg



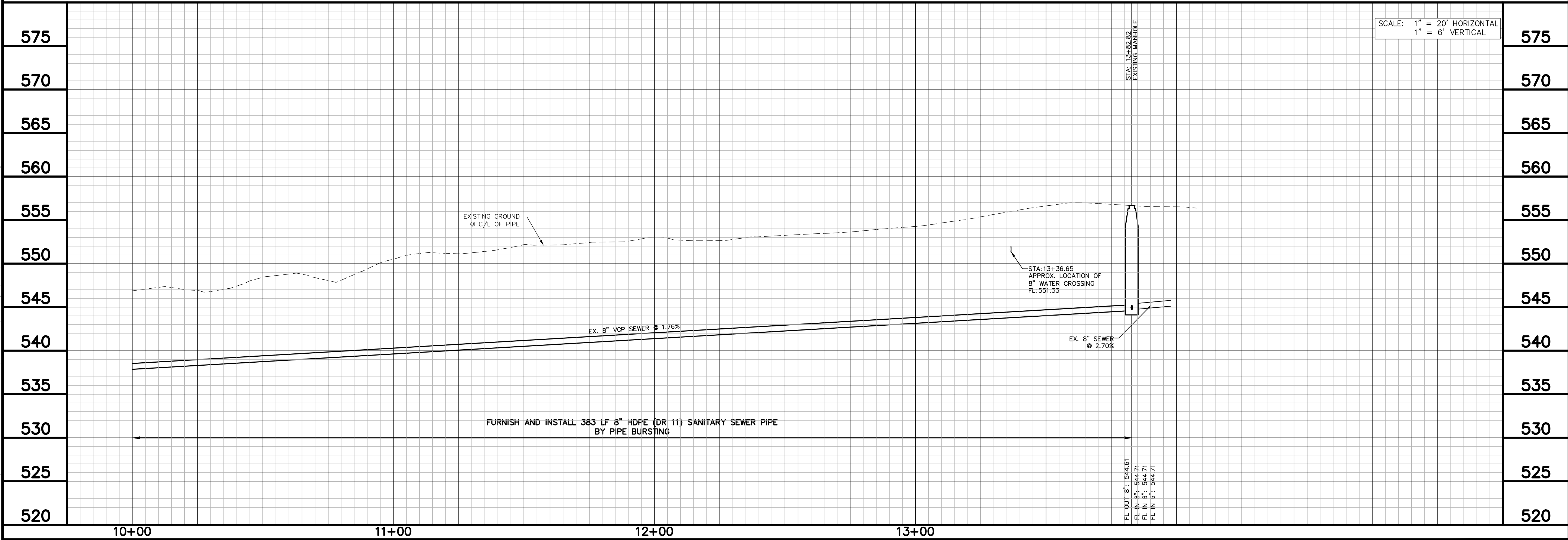
NOTES:

1. MAINLINE SHALL BE CLEANED AND PRE-CONSTRUCTION VIDEO INSPECTED BY CONTRACTOR. CONTRACTOR SHALL THEN MEET WITH CITY STAFF TO DETERMINE WHICH MAINLINE SEGMENTS NEED TO BE REPLACED BY OPEN CUT POINT REPAIR AND WHICH SEGMENTS ARE CANDIDATES FOR PIPE BURSTING.
2. ACCESS TO EXISTING SANITARY SEWER SHALL BE THROUGH EXISTING EASEMENT ONLY. CONTRACTOR SHALL INCLUDE IN THEIR BID TREE REMOVAL AND DISPOSAL OF TREES IN EASEMENT NECESSARY TO ACCESS SANITARY SEWER. (NO PAY ITEM). CONTRACTOR SHALL FLAG TREES PROPOSED FOR REMOVAL AND MEET WITH CITY STAFF ON SITE FOR APPROVAL OF FLAGGED TREES PRIOR TO REMOVAL.
3. CONTRACTOR SHALL NOT USE RAILROAD RIGHT-OF-WAY TO ACCESS SANITARY SEWER.

"RECORD DRAWING"
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DATE: 6/3/2014 BY: PAC

SCALE: 1" = 20'



Kimley-Horn and Associates, Inc.

12750 Merrill Drive, Suite 1000, Dallas, TX 75251 972-770-1300

No. _____ By _____

Revision _____

City of Rockwall

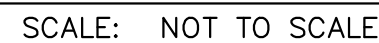
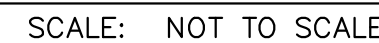
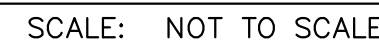
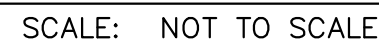
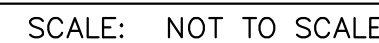
Trenchless Sewer Rehabilitation

WHITMORE DRIVE TO RENFRO STREET SEWER PLAN & PROFILE

DATE: NOVEMBER 2013
DESIGN: PAC
DRAWN: JAS
CHECKED: MSP
KHA NO.: 064420904

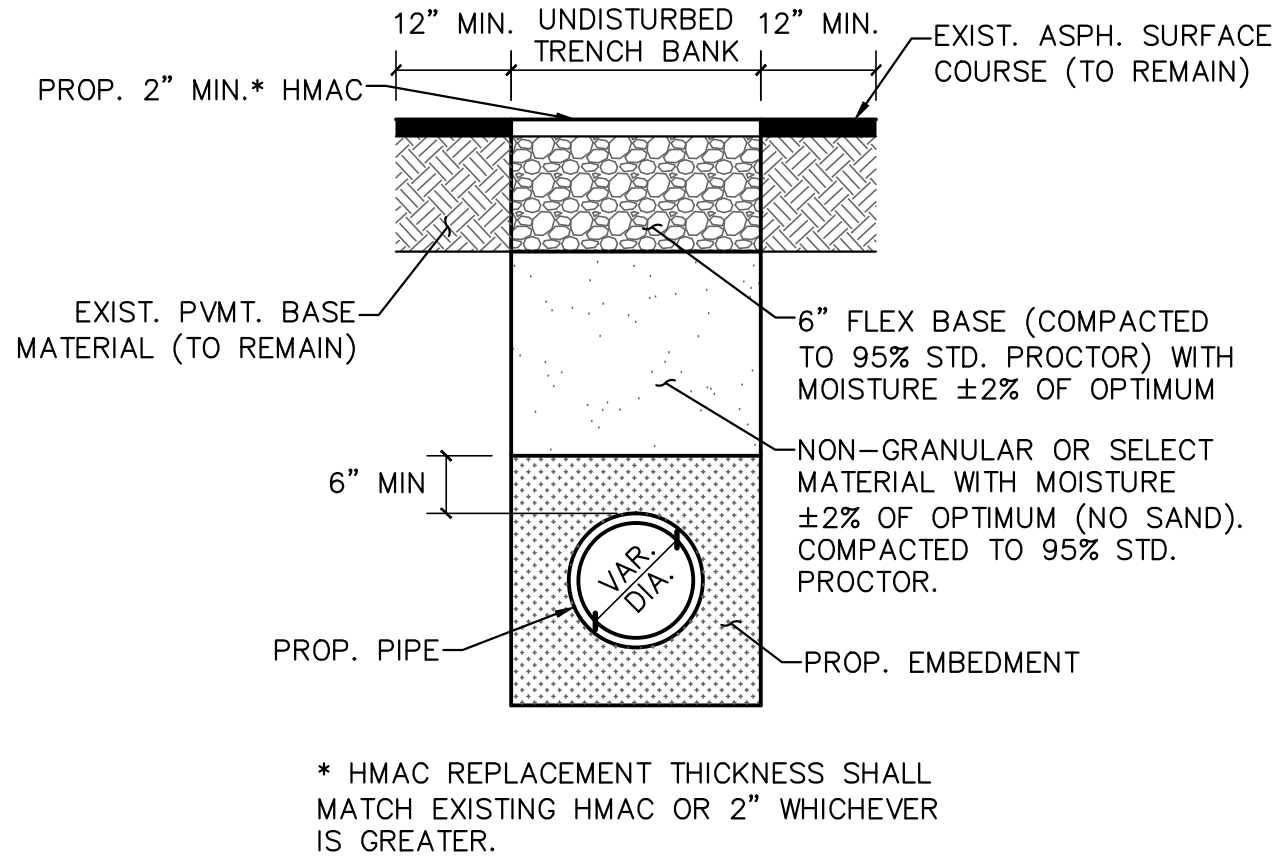
SHEET

11



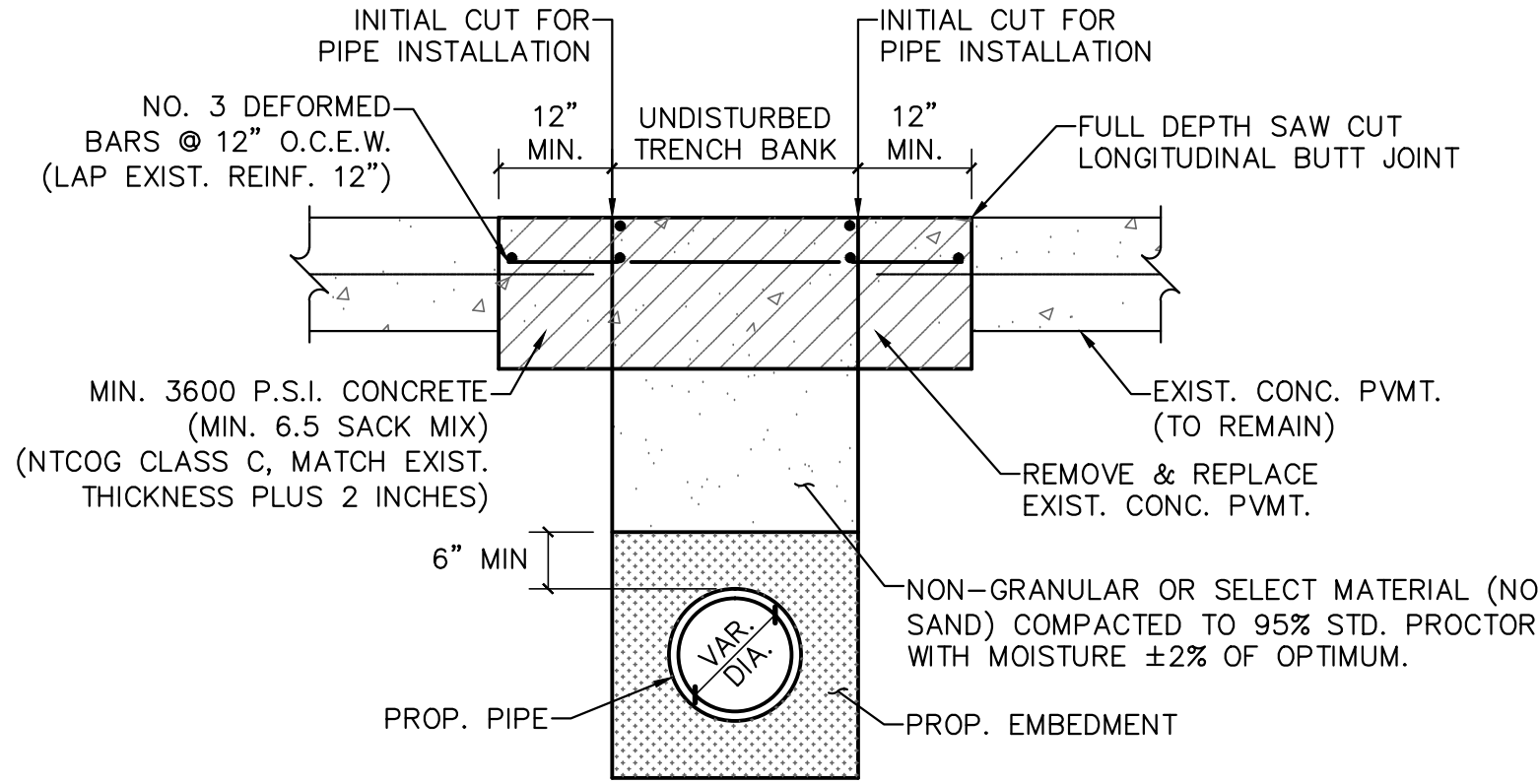
DATE: 6/3/2014 BY: PAC

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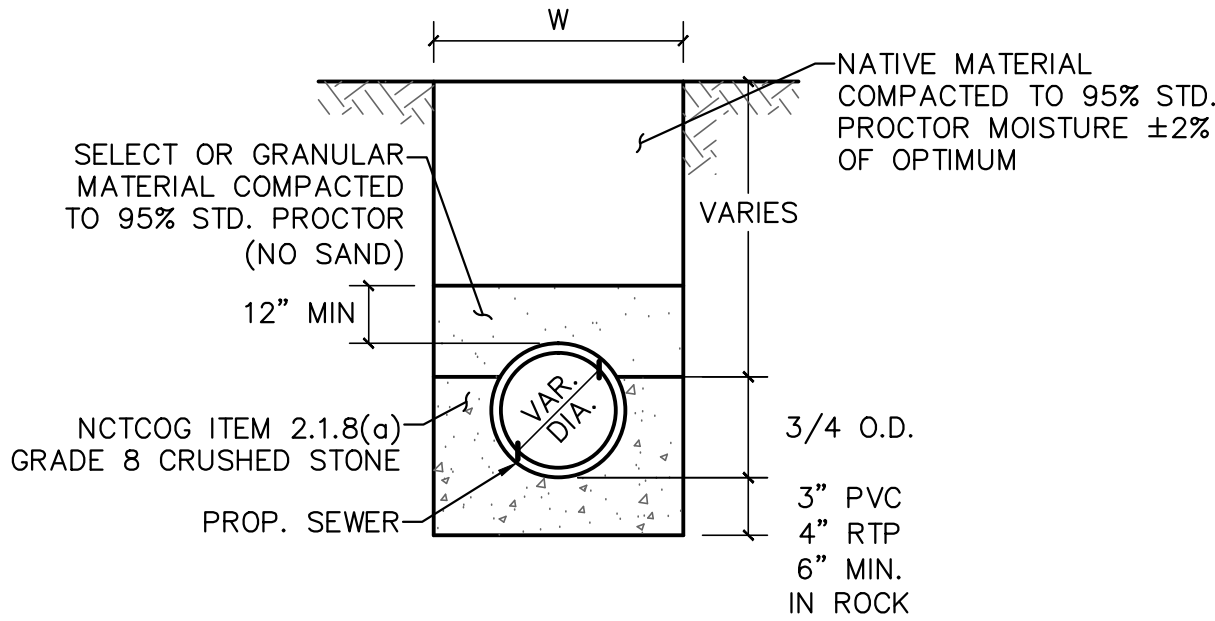
**Pavement Repair - Asphalt
DETAIL**

SCALE: NOT TO SCALE



**Pavement Repair - Concrete
DETAIL**

SCALE: NOT TO SCALE



**Embedment - Class B-2
DETAIL**

SCALE: NOT TO SCALE

"RECORD DRAWING"
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 Kimley-Horn and Associates, Inc. 12750 Merrill Drive, Suite 1000, Dallas, TX 75251 972-770-1300	By		Date	
	Revision			
	No.			
City of Rockwall Trenchless Sewer Rehabilitation				
DETAILS				
DATE: NOVEMBER 2013	DESIGN: PAC	DRAWN: JAS	CHECKED: MSP	KHA NO.: 064420904
SHEET 13				