

**SYMBOL LEGEND:**

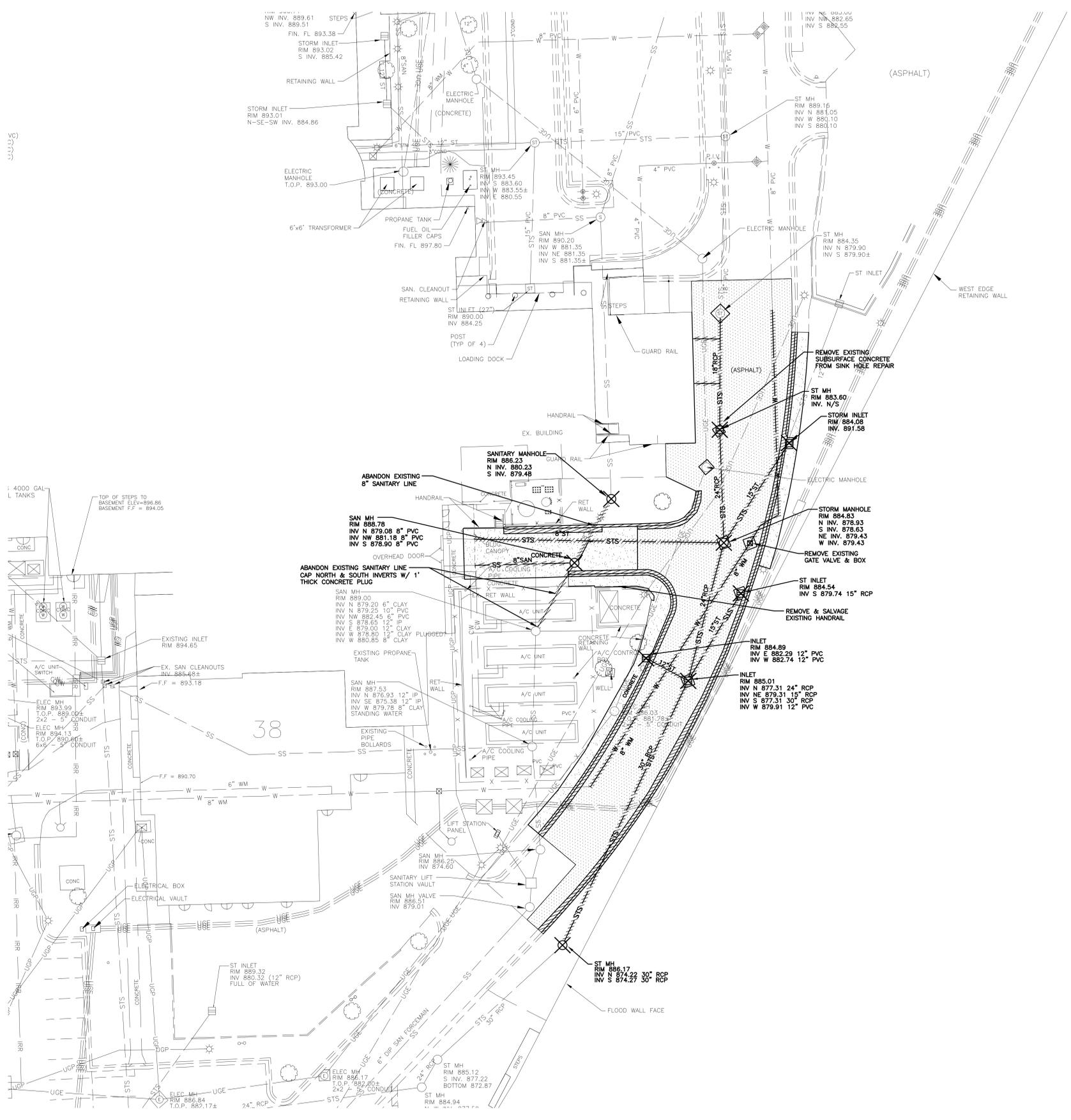
	EXISTING MANHOLE		EXISTING UNDERGROUND POWER LINE
	EXISTING STORM INLET		EXISTING SANITARY SEWER LINE
	EXISTING STORM CLEANOUT		EXISTING IRRIGATION LINE
	EXISTING SANITARY CLEANOUT		EXISTING STORM SEWER LINE
	EXISTING ELECTRIC MANHOLE		EXISTING WATERMAIN LINE
	EXISTING GATE VALVE		EXISTING CHILLED WATER LINE
	EXISTING FIRE HYDRANT		EXISTING GAS LINE
	EXISTING LIGHT POLE		EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING TRANSFORMER		EXISTING OVERHEAD POWER LINE
	EXISTING TREE		EXISTING UNDERGROUND TELEVISION
	EXISTING TREE		EXISTING UNDERGROUND FIBER OPTIC
	EXISTING SHRUB		EXISTING CHAIN LINK FENCE
	EXISTING POWER POLE		REMOVE EXISTING CONCRETE PAVEMENT
	EXISTING POWER POLE WITH RISER		REMOVE EXISTING ASPHALT PAVEMENT
	EXISTING POWER POLE ANCHOR		REMOVE EXISTING CONCRETE CURB & GUTTER
	EXISTING TELEPHONE PEDESTAL		REMOVE EXISTING STORM SEWER LINE
	EXISTING TELEVISION PEDESTAL		REMOVE EXISTING SANITARY SERVICE LINE
	EXISTING STREET SIGN		REMOVE EXISTING WATERMAIN LINE
	EXISTING WATER SERVICE VALVE		REMOVE EXISTING MANHOLE
	EXISTING OUTLET POST		REMOVE EXISTING STORM INLET
	EXISTING GUARD POST		REMOVE EXISTING GATE VALVE
	EXISTING FLAG POLE		ABANDON EXISTING SANITARY LINE

**PLAN NOTES:**

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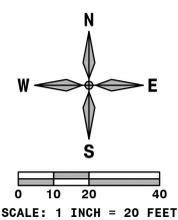
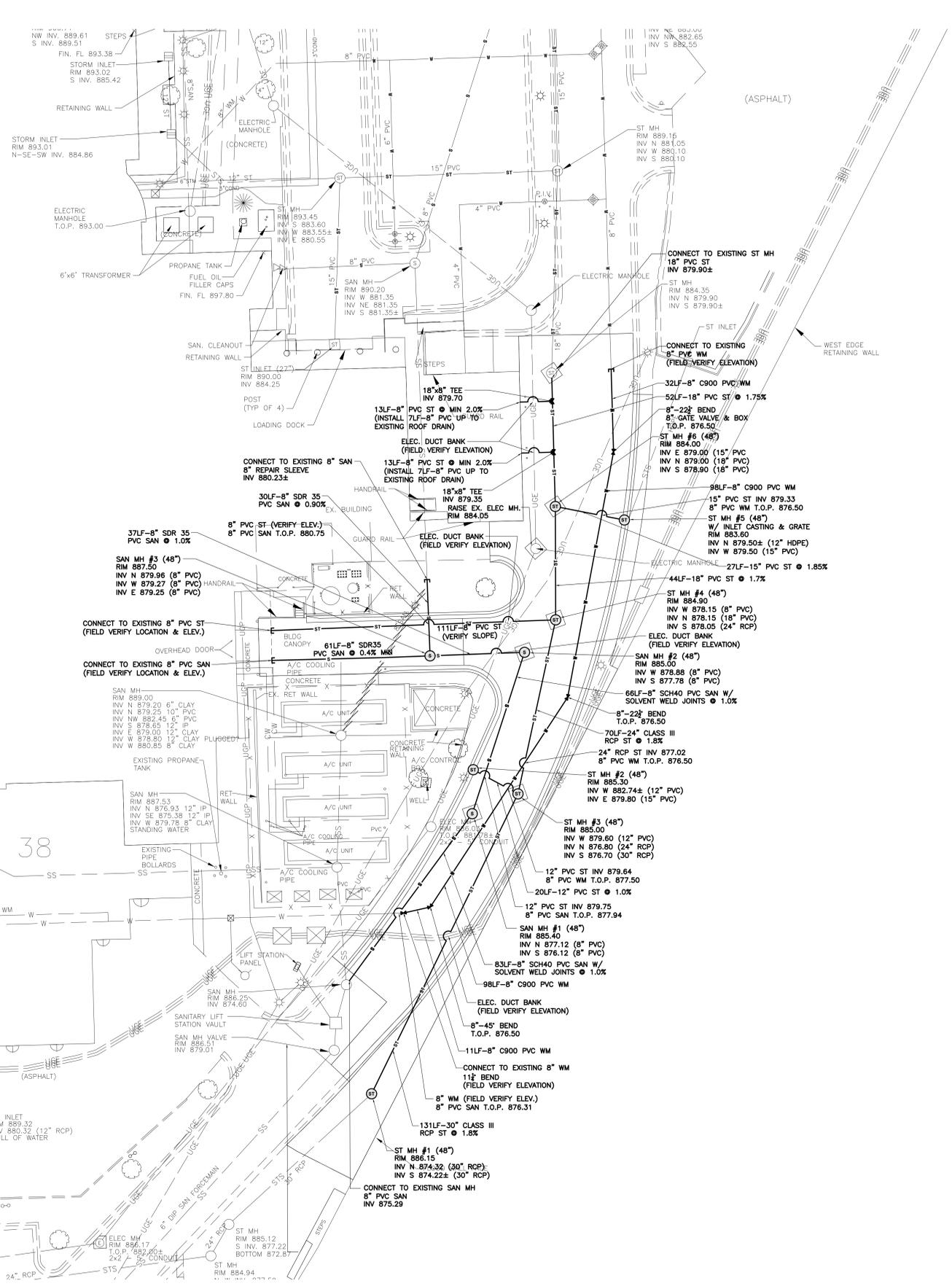
**BENCHMARKS:**

- BM #1: THE SOUTHEAST FLANGE BOLT OF THE FIRE HYDRANT LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF ELM STREET & 21ST AVENUE NORTH. ELEVATION = 902.46 (NAVD 88)
- BM#2: THE SOUTHEAST FLANGE BOLT OF THE FIRE HYDRANT LOCATED IN THE SOUTH PARKING LOT. ELEVATION = 891.74 (NAVD 88)



	<p><b>Dept. of Veterans Affairs</b>  <b>Medical Center</b>          2101 Elm Street North          Fargo, ND 58102</p>	<p>IMAGE GROUP INC., Architecture &amp; Interiors          MBN ENGINEERING, Civil Engineers</p>	<p>MECHANICAL • ELECTRICAL • CIVIL</p>			<p><b>Drawing Title</b>          PHASE 6 - DEMOLITION PLAN</p>	<p><b>Project Title</b>          VA MEDICAL CENTER          REPLACE UTILITY MAINS AND ASPHALT</p>	<p><b>Date</b>          MAY 17, 2012</p>	
	<p>VA Project No.          437-11-156</p>	<p>Contract No.          VA263-P-1217          VA263-C-</p>	<p>Designed By          TE</p>	<p>Checked By          JM</p>	<p>Drawn By          TE</p>	<p><b>Scale</b>          AS NOTED</p>	<p><b>Drawing No.</b>          C6.1</p>	<p><b>Dwg. 28 of 45</b></p>	
<p>Revisions</p>	<p>Date</p>	<p>310 7th St. N. SUITE 200          FARGO, ND 58102          PHONE: 755-4743333          FAX: 755-4743340</p>		<p><b>Location</b>          VA MEDICAL CENTER          FARGO, ND</p>					

330.93



**SYMBOL LEGEND:**

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	EXISTING STORM INLET		EXISTING GUARD POST
	EXISTING STORM CLEANOUT		EXISTING FLAG POLE
	EXISTING SANITARY CLEANOUT		EXISTING UNDERGROUND POWER LINE
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	EXISTING TRANSFORMER		EXISTING CHILLED WATER LINE
	EXISTING TREE		EXISTING GAS LINE
	EXISTING TREE		EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING SHRUB		EXISTING OVERHEAD POWER LINE
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	EXISTING POWER POLE WITH RISER		EXISTING UNDERGROUND FIBER OPTIC
	EXISTING POWER POLE ANCHOR		EXISTING CHAIN LINK FENCE
	EXISTING TELEPHONE PEDESTAL		NEW GATE VALVE
	EXISTING TELEVISION PEDESTAL		NEW STORM MANHOLE
	EXISTING STREET SIGN		NEW SANITARY MANHOLE
	EXISTING WATER SERVICE VALVE		NEW WATERMAIN LINE
			NEW STORM SEWER LINE
			NEW SANITARY SEWER LINE
			ABANDONED SANITARY LINE

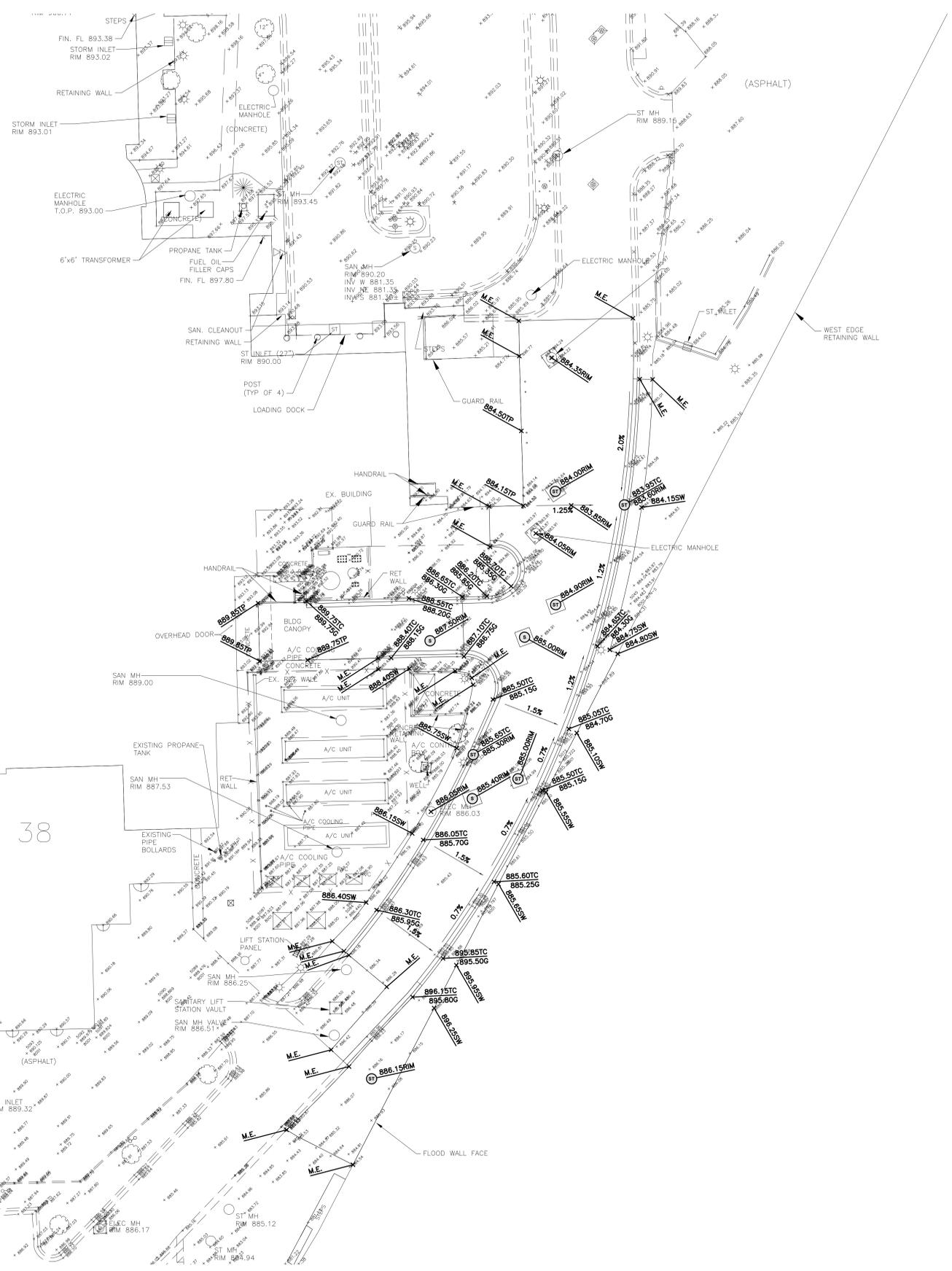
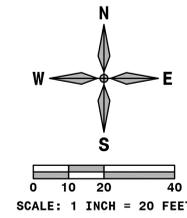
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<p>Dept. of Veterans Affairs Medical Center 2101 Elm Street North Fargo, ND 58102</p>	<p>IMAGE GROUP INC., Architecture &amp; Interiors MBN ENGINEERING, Civil Engineers</p>	<p>MECHANICAL, ELECTRICAL, CIVIL</p>		<p>Drawing Title</p> <p><b>PHASE 6 - UTILITY PLAN</b></p>	<p>Project Title</p> <p><b>VA MEDICAL CENTER REPLACE UTILITY MAINS AND ASPHALT</b></p>	<p>Date</p> <p><b>MAY 17, 2012</b></p>			
				<p>VA Project No.</p> <p><b>437-11-156</b></p>	<p>Contract No.</p> <p><b>VA263-P-1217 VA263-C-</b></p>	<p>Designed By</p> <p><b>TE</b></p>	<p>Checked By</p> <p><b>JM</b></p>	<p>Drawn By</p> <p><b>TE</b></p>	<p>Scale</p> <p><b>AS NOTED</b></p>
				<p>Building No.</p> <p><b>SITE</b></p>	<p>AutoCAD File Name</p> <p><b>11-110 C6.2DWG</b></p>	<p>Location</p> <p><b>VA MEDICAL CENTER FARGO, ND</b></p>	<p>Drawing No.</p> <p><b>C6.2</b></p>	<p>Dwg. 29 of 45</p>	
				<p>Revisions</p>	<p>Date</p>				



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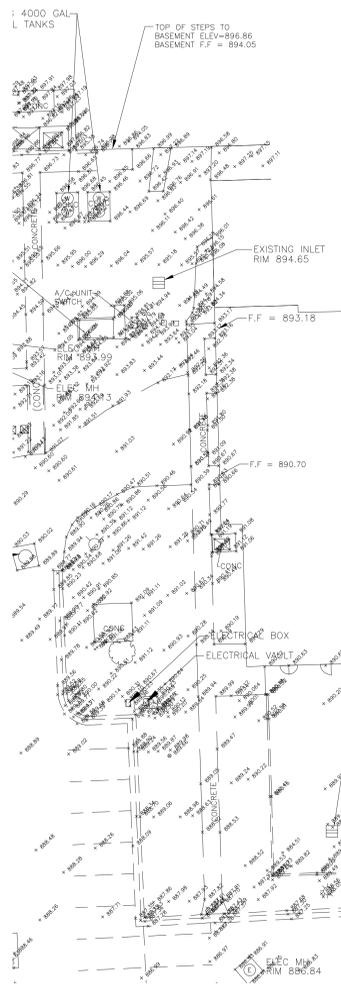
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	EXISTING GATE VALVE		EXISTING CHAIN LINK FENCE
	EXISTING FIRE HYDRANT		EXISTING SPOT ELEVATION
	EXISTING LIGHT POLE		NEW GATE VALVE
	EXISTING TRANSFORMER		NEW STORM MANHOLE
	EXISTING TREE		NEW SANITARY MANHOLE
	EXISTING TREE		NEW RIM ELEVATION
	EXISTING SHRUB		NEW TOP OF PAVEMENT ELEVATION
	EXISTING POWER POLE		NEW GUTTER ELEVATION
	EXISTING POWER POLE WITH RISER		NEW TOP OF CURB ELEVATION
	EXISTING POWER POLE ANCHOR		NEW SIDEWALK ELEVATION
	EXISTING TELEPHONE PEDESTAL		MATCH EXISTING ELEVATION
	EXISTING TELEVISION PEDESTAL		NEW SLOPE & DIRECTION OF FLOW

**PLAN NOTES:**

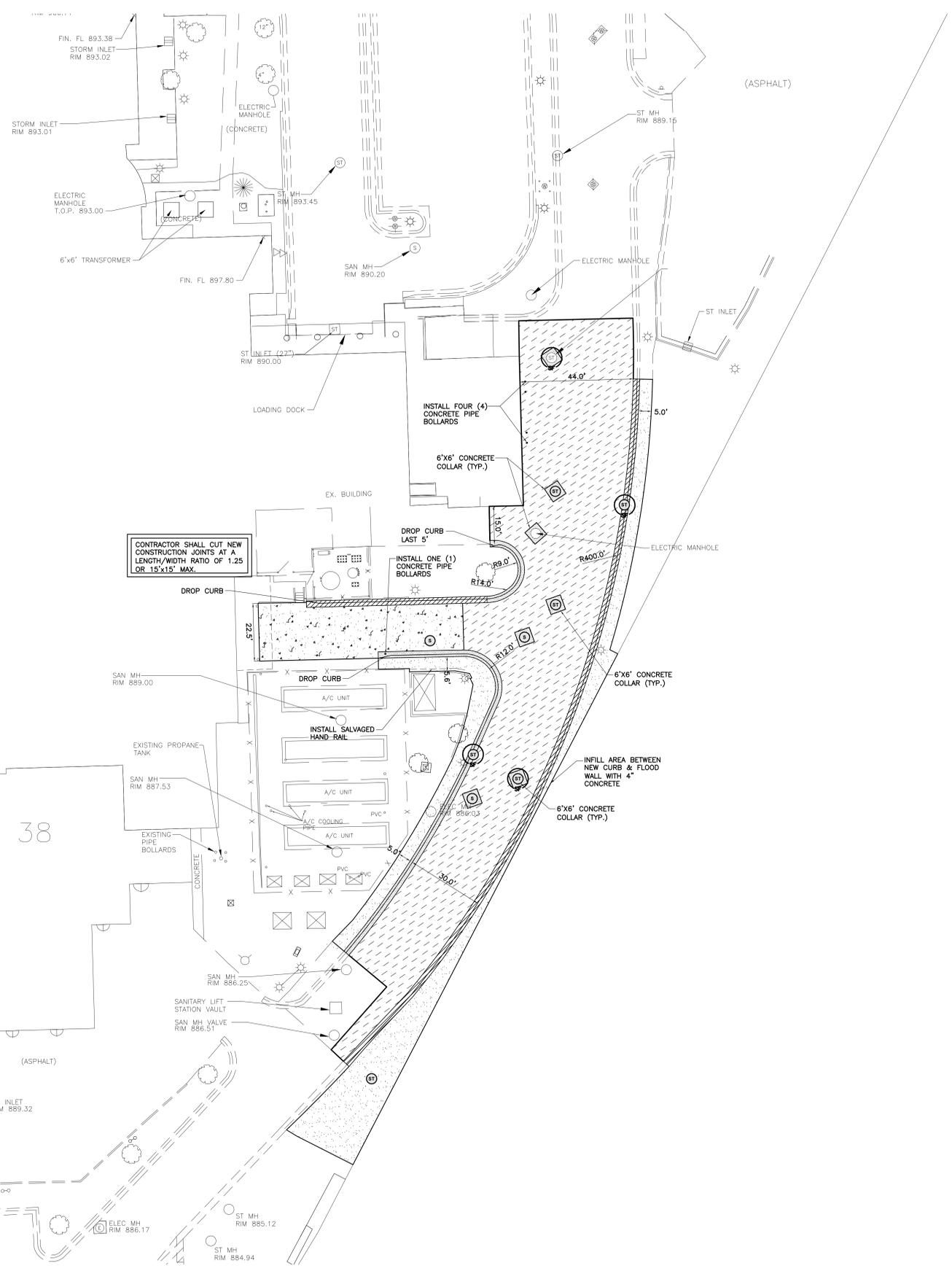
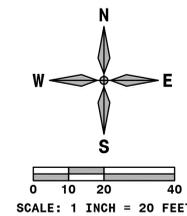
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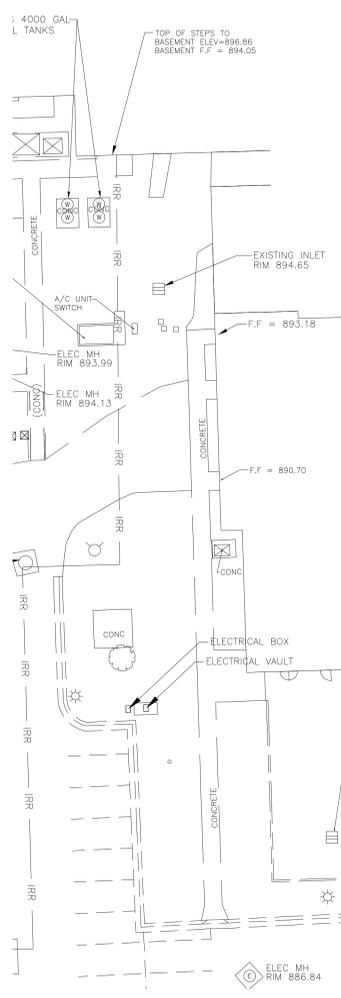
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- ALL PAVEMENT MARKED FOR DEMOLITION SHALL BE FULL DEPTH SAW CUT PRIOR TO REMOVAL.
- CONTRACTOR SHALL KEEP ACCESS OPEN TO ALL EXISTING DOORS, FIRE EXITS, AND LOADING DOCKS DURING ALL PHASES OF CONSTRUCTION. IF TEMPORARY CLOSURES ARE REQUIRED, COORDINATE WITH VA ADMINISTRATION A MINIMUM OF 2 WEEKS IN ADVANCE.
- CONTRACTOR IS REQUIRED TO MAINTAIN ONE DRIVING LANE OPEN AT ALL TIMES. IF ROAD CLOSURE IS REQUIRED, COORDINATE WITH VA ADMINISTRATION A MINIMUM OF 2 WEEKS IN ADVANCE.
- CONTRACTOR IS RESPONSIBLE FOR GENERAL TRAFFIC CONTROL TO ALLOW FOR PUBLIC ACCESS THROUGH THE PROJECT SITE. CONTRACTOR SHALL PROVIDE ADEQUATE SIGNS FOR PUBLIC SAFETY AND TRAFFIC CONTROL. CONTRACTOR IS RESPONSIBLE TO KEEP ACCESS TO THE EAST & NORTH LOADING DOCK OPEN FOR DAILY DELIVERIES & COORDINATE ANY RESTRICTIONS WITH THE VA ADMINISTRATION.
- CONTRACTOR SHALL MAINTAIN 7.5' BURY DEPTH OVER ALL NEW WATERMAIN.
- CONTRACTOR SHALL PROTECT THE EXISTING WATERMAIN AND ENSURE THAT VA MEDICAL CAMPUS HAS NO DISRUPTION OF SERVICE. NEW WATERMAIN SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY DISCONNECTION OF EXISTING WATER SERVICE. COORDINATE ANY REQUIRED LOSS OF SERVICE WITH VA ADMINISTRATION PRIOR TO WORK.
- CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A TEMPORARY WATER SERVICE TO THE AFFECTED VA BUILDINGS. THE METHOD OF PROVIDING THE TEMPORARY WATER SERVICE SHALL BE AN OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER. ALL TEMPORARY WATER MAINS AND SERVICES SHALL BE DISINFECTED IN ACCORDANCE WITH THE SPECIFICATIONS. ONE WATER SAMPLE PER SERVICE CONNECTION WILL BE TAKEN AFTER THE TEMPORARY WATER LINE IS FLUSHED. THE SAMPLE SHALL SHOW THE ABSENCE OF BACTERIA BEFORE CONNECTIONS ARE ALLOWED.
- THE CONTRACTOR SHALL INSTALL A TEMPORARY BYPASS TO MAINTAIN UNINTERRUPTED SEWER SERVICE ON SEWER RECONSTRUCTION WHERE WORK WILL INTERFERE WITH SEWAGE FLOW IN THE EXISTING SEWER. THE BYPASS SHALL BE MADE BY DIVERTING THE EFFLUENT FLOW AT AN UPSTREAM ACCESS MANHOLE AND PUMPING IT THROUGH A SEPARATE CONDUIT TO A DOWNSTREAM REENTRY POINT OR TO AN ADJACENT SEWER SYSTEM. THE PUMP AND BYPASS CONDUIT SHALL BE OF ADEQUATE SIZE AND CAPACITY TO HANDLE THE FLOW. THE EFFLUENT LEVEL IN THE BYPASS PUMPING MANHOLE SHALL NOT BE ALLOWED TO RISE MORE THAN 1 FOOT ABOVE THE CROWN OF THE INCOMING SEWER PIPE. BYPASS PUMPING SHALL BE INCIDENTAL TO THE SEWER WORK.
- CONTRACTOR SHALL PROVIDE AND INSTALL ANY ADDITIONAL FITTINGS, PIPING, AND OFFSETS TO ACCOUNT FOR UTILITY LOCATIONS AND CROSSINGS NOT INDICATED ON THE PLANS.
- CONTRACTOR SHALL RELOCATE ANY EXISTING UTILITIES THAT CONFLICT WITH THE INSTALLATION OF THE NEW SANITARY SEWER, STORM SEWER, AND WATERMAIN. ADDITIONAL WORK AND MATERIALS SHALL BE INSTALLED AT NO COST TO THE PROJECT.
- ALL GRASSED AREAS DISTURBED BY CONSTRUCTION SHALL HAVE TOPSOIL (6" DEPTH), GRADED, SEEDED, AND HYDRO-MULCHED.

**BENCHMARKS:**

- BM #1: THE SOUTHEAST FLANGE BOLT OF THE FIRE HYDRANT LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF ELM STREET & 21ST AVENUE NORTH. ELEVATION = 902.46 (NAVD 88)
- BM#2: THE SOUTHEAST FLANGE BOLT OF THE FIRE HYDRANT LOCATED IN THE SOUTH PARKING LOT. ELEVATION = 891.74 (NAVD 88)



	<p><b>Dept. of Veterans Affairs Medical Center 2101 Elm Street North Fargo, ND 58102</b></p>	<p><b>IMAGE GROUP INC., Architecture &amp; Interiors MBN ENGINEERING, Civil Engineers</b></p> <p>IMAGE GROUP INC. 403 CENTER AVENUE, SUITE 300 MOORHEAD, MN 56560</p>	<p><b>MBN ENGINEERS</b> MECHANICAL • ELECTRICAL • CIVIL</p> <p>503 7th St. N. Suite 200 FARGO, ND 58102 PHONE: 755-474-8338 FAX: 755-474-8340</p>			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>Drawing Title</b></td> <td colspan="2"><b>Project Title</b></td> <td colspan="2"><b>Date</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">PHASE 6 - PAVING PLAN, EROSION CONTROL PLAN</td> <td colspan="2" style="text-align: center;">VA MEDICAL CENTER REPLACE UTILITY MAINS AND ASPHALT</td> <td colspan="2" style="text-align: center;">MAY 17, 2012</td> </tr> <tr> <td colspan="2"><b>VA Project No.</b></td> <td colspan="2"><b>Contract No.</b></td> <td colspan="2"><b>Scale</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">437-11-156</td> <td colspan="2" style="text-align: center;">VA263-P-1217 VA263-C-</td> <td colspan="2" style="text-align: center;">AS NOTED</td> </tr> <tr> <td colspan="2"><b>Building No.</b></td> <td colspan="2"><b>AutoCAD File Name</b></td> <td colspan="2"><b>Location</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">SITE</td> <td colspan="2" style="text-align: center;">11-110 C6.4DWG</td> <td colspan="2" style="text-align: center;">VA MEDICAL CENTER FARGO, ND</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"><b>Designed By</b></td> <td colspan="2"><b>Checked By</b></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;">TE</td> <td colspan="2" style="text-align: center;">JM</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"><b>Drawn By</b></td> <td colspan="2"><b>Drawing No.</b></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;">TE</td> <td colspan="2" style="text-align: center;">C6.4</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"><b>Dwg. 31 of 45</b></td> <td colspan="2" style="text-align: center;"></td> </tr> </table>	<b>Drawing Title</b>		<b>Project Title</b>		<b>Date</b>		PHASE 6 - PAVING PLAN, EROSION CONTROL PLAN		VA MEDICAL CENTER REPLACE UTILITY MAINS AND ASPHALT		MAY 17, 2012		<b>VA Project No.</b>		<b>Contract No.</b>		<b>Scale</b>		437-11-156		VA263-P-1217 VA263-C-		AS NOTED		<b>Building No.</b>		<b>AutoCAD File Name</b>		<b>Location</b>		SITE		11-110 C6.4DWG		VA MEDICAL CENTER FARGO, ND				<b>Designed By</b>		<b>Checked By</b>				TE		JM				<b>Drawn By</b>		<b>Drawing No.</b>				TE		C6.4				<b>Dwg. 31 of 45</b>			
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