BENCHMARK - FOUND IRON ROD - POINT OF CURVATURE - CURB INLET FL - FLOWLINE POINT OF INTERSECTION - CONTRACTION JOINT FP - FIRE PROTECTION P.I.V. - POST INDICATOR VALVE

- CENTERLINE - FIELD VERIFY PLUMBING FIN. FLR.- FINISH FLOOR COL. - COLUMN PT POINT OF TANGENCY

 CONTINIOUS F.O.S. - FACE OF STRUCTURE PT. POINT CONC CONCRETE POINT OF VERTICAL CONSTR - CONSTRUCT GALV. - GALVANIZED INTERSECTION - DIAMETER - GRATE INLET

PVMT - PAVEMENT - RADIUS - DETAIL HANDICAPPED HIGH POINT - DOWN - RISERS - DOMESTIC WATER - HANDRAIL - REINF CONCRETE PIPE

DRAWING HT - HEIGHT - ROOF DRAIN REFERENCE - EACH - INSIDE DIAMETER REINF. - REINFORCE - EXPANSION JOINT - IRON ROD R.O.W. - RIGHT OF WAY

EXP. JT. - EXPANSION JOINT - JOINT - SECTION - ELEVATION - LIGHT POLE SD - STORM DRAIN - ELECTRICAL - SHEET ELEV. - ELEVATION - MATERIAL - SANITARY SEWER

- INVERT

EXIST. - EXISTING STL. - STEEL - MAXIMUM - EXTERIOR - MECHANICAL STRUCT. - STRUCTURAL EQ. - EQUAL - MANHOLE - SIDEWALK

- MINIMUM

 TEMPORARY BENCHMARK - TOP OF PAVEMENT

- TOP, BACK OF CURB

- RIGHT

LEGEND

E.W.

EXP. JT.- EXPANSION JOINT

- EACH WAY

NATURAL GROUND **ELECTRIC METER** TOP OF CURB EMH **ELECTRIC MANHOLE** GUTTER TSG TRAFFIC SIGN TOP TOP OF SLOPE TELEPHONE PEDESTAL TOE TOE OF SLOPE POWER POLE CONC CATV EDGE OF CONCRETE CABLE TV PEDESTAL 1/2" I.R.F. **ELEV** IRON ROD FOUND **ELEVATION AT GRADE** "X" FND. "X" CUT FOUND IN CONCRETE WATER VALVE WATER METER WATER MANHOLE

SURVEY CONTROL

FIRE HYDRANT

IRRGATION CONTROL VALVE

BENCHMARKS:

FH

1. CITY OF ADDISON BENCHMARK NO. 13 - SQUARE CUT ON INLET AT SOUTHEAST CORNER OF BELT LINE RD AND SURVEYOR. ELEVATION=594.94

STORMWATER POLLUTION PREVENTION PLAN

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWP3) FOR THE PROJECT. THE PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE CITY OF KELLER REQUIREMENTS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL ORDINANCES, REGULATIONS, AND LAWS. AN EROSION CONTROL PLAN HAS BEEN PREPARED BY THE DESIGN ENGINEER FOR INCORPORATION INTO THE CONTRACTOR'S SWP3.

2. CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES, ADJUSTMENTS TO THE EROSION CONTROL PLAN AS CONSTRUCTION PROGRESSES. AND ALL PERMITS AND NOTIFICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. EROSION CONTROL DEVICES SHOWN ON THE PLANS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF LAND DISTURBING ACTIVITIES. CONTRACTOR SHALL INSTALL ALL NECESSARY EROSION CONTROL DEVICES AND INSTITUTE ALL NECESSARY MEASURES TO CONTROL SEDIMENT. RUNOFF DURING THE CONSTRUCTION OF THE PROJECT. MODIFICATIONS TO THE EROSION CONTROL PLAN AS SHOWN ON THE DRAWINGS MAY BE REQUIRED AS THE PROJECT PROGRESSES.

4. ALL OFFSITE BORROW OR SPOIL SITES USED IN CONJUNCTION WITH THIS PROJECT SHALL BE DISCLOSED AND COVERED BY THE CONTRACTOR'S SWP3. PREPARATION OF THE BORROW/SPOIL SITE EROSION CONTROL PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

5. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF THE PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A PERMANENT STAND OF VEGATATION TO PREVENT EROSION. CONTRACTOR SHALL SEED AND FERTILIZE AS REQUIRED TO ESTABLISH VIABLE GRASS COVER OVER ALL DISTURBED AREAS BOTH ONSITE AND AT PROJECT RELATED OFFSITE AREAS.

6. EROSION CONTROL MEASURES MAY BE ADDED OR DELETED BY CITY FORCES. PROJECT ARCHITECT. OR PROJECT ENGINEER. COSTS ASSOCIATED WITH THESE ADDITIONAL MEASURES SHALL BE BORNE BY THE CONTRACTOR.

7. THE NOTICE OF INTENT (N.O.I.) SHALL BE FILED WITH THE EPA BY THE CONTRACTOR NO LESS THAN TWO DAYS PRIOR TO THE START OF WORK ONSITE.

8. A COPY OF THE SWP3, INCLUDING REVISIONS, SHALL BE MAINTAINED ONSITE AND AVAILABLE FOR INSPECTION UPON REQUEST.

9. A NOTICE OF TERMINATION (N.O.T.) SHALL BE FILED WITH THE EPA BY THE CONTRACTOR WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND ALL CONSTRUCTION RELATED SEDIMENT RUNOFF HAS BEEN ELIMINATED.

GENERAL NOTES

1. CAUTION!!! — UNDERGROUND UTILITIES: LOCATION OF EXISTING UTILITIES AND UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE BASED ON FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL ALIGNMENT OF ALL EXISTING IMPROVEMENTS, WHETHER SHOWN OR NOT, PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK AFFECTED BY SAID UTILITIES, OF ANY AND ALL CONFLICTS BETWEEN THE EXISTING UTILITIES AND THE PROPOSED IMPROVEMENTS.

2. TOPOGRAPHIC SURVEY OF EXISTING CONDITIONS AND SURVEY CONTROL INFORMATION HAS BEEN DEVELOPED AND PROVIDED BY VOTEX SURVEYING CO. FOR USE ON THIS PROJECT. DESIGN OF PROPOSED IMPROVEMENTS ARE BASED ON THIS INFORMATION.

3. ALL KNOWN UTILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS IN THEIR APPROXIMATE LOCATION. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN THE AREA OF THESE LINES AND UTILIZE ALL METHODS OF EXCAVATION, INCLUDING HAND DIGGING, TO AVOID ACCIDENTS. AND DISRUPTIONS TO THE OPERATION OF THESE FACILITIES. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES, WHETHER SHOWN OR NOT, WITHIN THE WORK AREA PRIOR TO BEGINNING GROUND DISTURBING WORK.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING IMPROVEMENTS. INCLUDING UTILITIES, PAVEMENT, AND LANDSCAPING WITHIN OR ADJACENT TO THE AREA OF WORK DURING THE COURSE OF THE PROJECT. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED FACILITIES OR IMPROVEMENTS DAMAGED DURING THE COURSE OF THE PROJECT AT NO ADDITIONAL EXPENSE TO THE OWNER.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MEETING THE REQUIREMENTS FOR ALL PERMITS REQUIRED BY THE TOWN OF ADDISON PRIOR TO BEGINNING WORK.

7. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND APPLICABLE TOWN OF ADDISON STANDARD DETAILS AND SPECIFICATIONS. TOWN OF ADDISON SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS ARE HEREBY INCORPORATED INTO THE CONTRACT DOCUMENTS BY REFERENCE.

8. CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES. PONDING OF WATER ONSITE OR ADJACENT TO THE PROJECT AREA WILL NOT BE ALLOWED.

9. ALL QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE EXISTING SITE CONDITIONS AND THE PLANS PRIOR TO BID

10. ALL MATERIALS REMOVED AS PART OF THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR (EXCEPT AS NOTED ON THE PLANS) AND SHALL BE DISPOSED OF OFFSITE AT HIS EXPENSE. NO STORAGE OR STOCKPILING OF REMOVED MATERIALS WILL BE ALLOWED ONSITE.

11. PAVEMENT JOINTING WITHIN EXISITING STREETS AND DRIVEWAY APRONS SHALL MATCH THE EXISTING JOINT PATTERN. SUBGRADE PREPARATION AND STABILIZATION, AND PAVEMENT THICKNESS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND IS INTENDED TO MATCH THE EXISITING PAVEMENT CROSS-SECTIONS.

12. CONTRACTOR SHALL COORDINATE DEMOLITION ACTIVITES, UTILITY SHUTDOWN, AND SERVICE INTERRUPTIONS WITH THE OWNER'S REPRESENTATIVE.

13. ALL EXCAVATION, EMBANKMENT, TRENCH BACKFILLING, AND PAVEMENT SUBGRADE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE PROJECT'S GEOTECHNICAL REPORT.

SITEWORK AND GRADING

1. ALL AREAS NOT COVERED BY PAVEMENT, TREES, BUILDING, OR LANDSCAPING SHRUBBERY SHALL BE GRASSED. REFERENCE LANDSCAPE PLAN FOR GRASSING REQUIREMENTS.

2. ALL VEGETATION AND TOPSOIL CONTAINING ORGANIC MATERIAL SHALL BE STRIPPED PRIOR TO CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. AREAS OF THE SITE WHICH UNDERLIE FILL AND ALL EMBANKMENTS SHALL BE SCARIFIED, FILL PLACED, AND COMPACTED TO 90% OF MODIFIED PROCTOR DENSITY AT 0% TO PLUS 4% OPTIMUM MOISTURE CONTENT.

3.. CONTRACTOR SHALL INSTITUTE NECESSARY MEASURES TO CONTROL SEDIMENT RUNOFF DURING THE CONSTRUCTION OF THIS PROJECT. ALL EROSION CONTROL MEASURES AND NPDES NOTIFICATION/PERMITTING SHALL BE IN ACCORDANCE WITH THE TOWN OF ADDISON REQUIREMENTS.

4. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT. REFERENCE C5.0 FOR EROSION CONTROL PLAN.

5. ALL GRADE SHOWN ARE TO TOP OF PAVEMENT OR FINISHED GRADE. CONTRACTOR SHALL ADJUST SUBGRADE ELEVATION AS NEEDED TO ACCOMMODATE PAVEMENT THICKNESSES AND TOPSOIL. REFERENCE LANDSCAPE PLANS FOR TOPSOILING REQUIREMENTS.

6. CONTRACTOR SHALL COORDINATE WITH ALL FRANCHISE UTILITY COMPANIES TO ESTABLISH DETAILED GRADING REQUIREMENTS AT EQUIPMENT PADS AND UTILITY CROSSINGS.

13. ALL EXCAVATION, EMBANKMENT, TRENCH BACKFILLING, AND PAVEMENT SUBGRADE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE PROJECT'S GEOTECHNICAL REPORT.

BID FORMAT

I. BASE BID INCLUDES CONCRETE PAVMENT THROUGHOUT THE PROJECT AREA AS SHOWN ON THE PLANS. CONCRETE CURB AND GUTTER SHALL BE INCORPORATED AS SHOWN.

2. ALTERNATE BID #1 - REPLACE 5-INCH CONCRETE PAVEMENT WITH ASPHALTIC CONCRETE PAVEMENT OVER A FLEXIBLE BASE SUBGRADE. CONCRETE CURB AND GUTTER REMAINS AS DEFINED BY THE BASE BID.

3. ADDITIVE BID #1 - INCLUDES ALL COSTS ASSOCIATED WITH THE ADA PARKING IMPROVEMENTS WITHIN THE PARKING GARAGE AT BUILDING II (4002) AS SHOWN ON SHT C5.0.

PAVEMENT

1. ALL LANES OF TRAFFIC ALONG BELT LINE ROAD AND BELTWAY DRIVE SHALL BE MAINTAINED THROUGHOUT THE COURSE OF THE PROJECT. FIRELANES AND PARKING AREAS WITHIN THE EXISTING FORUMS OFFICE COMPLEX SHALL ALSO REMAIN IN SERVICE THROUGHOUT THE PROJECT. TEMPORARY CLOSURE OF EXISTING PARKING SPACES AND TRAFFIC AILSES SHALL BE COORDINATED/APPROVED BY WINDSOR MANAGEMENT. CONTACT: MR. JIM MORGAN - 972-980-6836.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL TRAFFIC CONTROL DEVICES AND SIGNAGE DURING THE COURSE OF THE PROJECT.

3. ALL PAVEMENT IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TOWN OF ADDISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. AND THE CITY STANDARD CONSTURCTION DETAILS. THE CITY STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION. AND THE CITY STANDARD CONSTRUCTION DETAILS ARE INCORPORATED HEREIN BY REFERENCE. IN THE EVENT OF CONFLICT BETWEEN THESE OR OTHER REGULATIONS AND THOSE CONTAINED IN SUCH DOCUMENTS, THE MORE SPECIFIC AND/OR RESTRICTIVE PROVISIONS SHALL BE APPLIED.

4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3600 PSI AT 28 DAYS. HAND FINISHED CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 P.S.I. @ 28 DAY. CONCRETE PAVEMENT SHALL BE REINFORCED WITH #3 BARS AT 18" O.C.E.W. OR AS REQUIRED BY THE TOWN OF ADDISON. REINFORCING STEEL SHALL BE DEFORMED STEEL BARS IN ACCORDANCE WITH ASTM 615 - GRADE 60.

5. CONCRETE STRENGTHS SHALL BE AS STATED ABOVE. THE CONCRETE MIX SHALL BE DEVELOPED IN ACCORDANCE WITH THE FOLLOWING CRITERIA: ASTM C150, TYPE 1A CEMENT:

FINE & COARSE AGGREGATE: ASTM C33 WATER-CEMENT RATIO: 0.50 MAX. AIR ENTRAINMENT:

ASTM C260 - 4-7% OF TOTAL VOLUME WATER REDUCER: ASTM C494, TYPE A USE OF CALCIUM CHLORIDE AND/OR FLY ASH IS PROHIBITED.

6. VEHICULAR PAVEMENT SHALL RECEIVE A HEAVY BROOM FINISH. CURBS AND GUTTERS SHALL RECEIVE A LIGHT BROOM FINISH. SIDEWALK PAVEMENT SHALL RECEIVE A LIGHT BROOM FINISH WITH RADIUSED AND TROWELED JOINT EDGES.

7. CURING COMPOUND SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES IMMEDIATELY FOLLOWING FINISHING. CURING COMPOUND SHALL BE ASTM C309, TYPE 1, CLEAR.

8. PAVEMENT SUBGRADES SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES AND RECOMPACTED TO 95% OF MODIFIED PROCTOR DENSITY AT 0% TO PLUS 4% OPTIMUM MOISTURE CONTENT.

9. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

10. MAXIMUM CONTROL JOINT SPACING SHALL BE 15 FEET.

11. FINAL PAVEMENT SHALL NOT BE PLACED UNTIL ALL SITE UTILITIES AND, CONDUITS OR SLEEVES FOR SITE ELECTRICAL SYSTEMS, IRRIGATION, OR FRANCHISE UTILITIES HAVE BEEN INSTALLED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND INSURE THAT ALL CONDUITS AND SLEEVES HAVE BEEN PROPERLY INSTALLED PRIOR TO THE BEGINNING OF THE PAVING OPERATION.

12. CONTRACTOR SHALL RESTORE THE STRIPING OF ALL FIRE AND TRAFFIC LANES AFFECTED BY THE CONSTRUCTION ACTIVITES IN ACCORDANCE WITH CITY OF KELLER AND TXDOT. REQUIREMENTS.

13. CONTRACTOR SHALL ADJUST AND VERIFY THE ELEVATIONS OF ALL VALVE COVERS, MANHOLES, CLEANOUTS, AND METER BOXES AS REQUIRED TO MATCH PROPOSED GRADES.

14. ALL CONCRETE SHALL BE MIXED, TRANSPORTED, FORMED, PLACED, AND CURED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI).

SITE UTILITIES

1. CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND SUPPLIES REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMEMENT AND NEWLY CONSTRUCTED FACILITIES FROM DAMAGE DURING THE COURSE OF THE PROJECT. CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR THE REPAIR OR REPLACEMNT, AND COST, OF ANY IMPROVEMENTS, INCLUDING TREES, DAMAGED WHILE THE SITE IS UNDER HIS CONTROL, WHETHER WORK IS ONGOING OR NOT.

2. ALL MATERAILS SHALL BE AWWA, ASTM, FACTORY MUTUAL, AND/OR U.L. LISTED AS APPLICABLE.

3. ALL TRENCHES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS FOR EARTHWORK CONTAINED IN THE PROJECT'S GEOTECHNICAL INVESTIGATION

4. ALL WATER LINES SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET OVER THE WATER PIPE AS MEASURED FROM THE TOP OF PIPE TO THE EXISTING GROUND, OR THE PROPOSED FINISHED GRADE, WHICHEVER IS GREATER. FIRE SERVICE LATERALS SHALL BE INSTALLED IN ACCORDANCE WITH CITY REQUIREMENTS AND THE MINIMUM STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). ALL WATER LINES SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH CITY

5. THE SITE UTILITY CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL BUILDING SERVICE LATERAL TIE-IN POINTS WITH THE BUILDING PLUMBING CONTRACTOR.

6. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE BOXES, FIRE HYDRANTS, CLEANOUTS, ETC. AS REQUIRED TO MATCH FINAL GRADES AS SHOWN ON THE GRADING PLAN.

7. CONTRACTOR SHALL MAINTAIN DRAINAGE TO ALL STORM DRAIN INLETS AT ALL TIMES. STORMWATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AS NECESSARY TO PREVENT SEDIMENT RUNOFF IN TO THE STORM DRAIN SYSTEM.

8. ALL UTILITY STATIONING AND COORDINATES ARE TO CENTERLINE OF PIPE OR INSIDE FACE OF INLET UNLESS NOTED OTHERWISE.

9. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ADDISON STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS AS MODIFIED BY THE CONTRACT DOCUMENTS.

10. CONTRACTOR SHALL VERIFY ALL UTILITY TIE-IN POINTS PRIOR TO BEGININING UTILITY CONSTRUCTION. ALL DISCREPANCIES BETWEEN FOUND FIELD CONDITIONS AND THESE DRAWINGS SHALL BE PROMPTLY REPORTED TO THE ENGINEER AND OWNER'S REPRESENTATIVE. NO UTILITY

CONSTRUCTION SHALL OCCUR UNTIL THE DISCREPANCIES ARE RESOLVED.

08204/DWG/082-GENERAL-NOTES.DWG

A WE

GROUP, INC.

4004 BELT LINE RD

PH: 972.818.6305

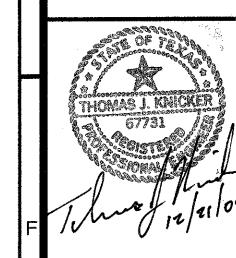
FAX: 972.818.6306

ADDISON, TEXAS 75001

SUITE 210

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MPR



PERMIT REVIEW SET **GENERAL NOTES**

<u>ssue Date:</u> <u> Project No.:</u> Drawn By: Reviewed By: SHEET NUMBER:

SHEET 2 OF 7

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