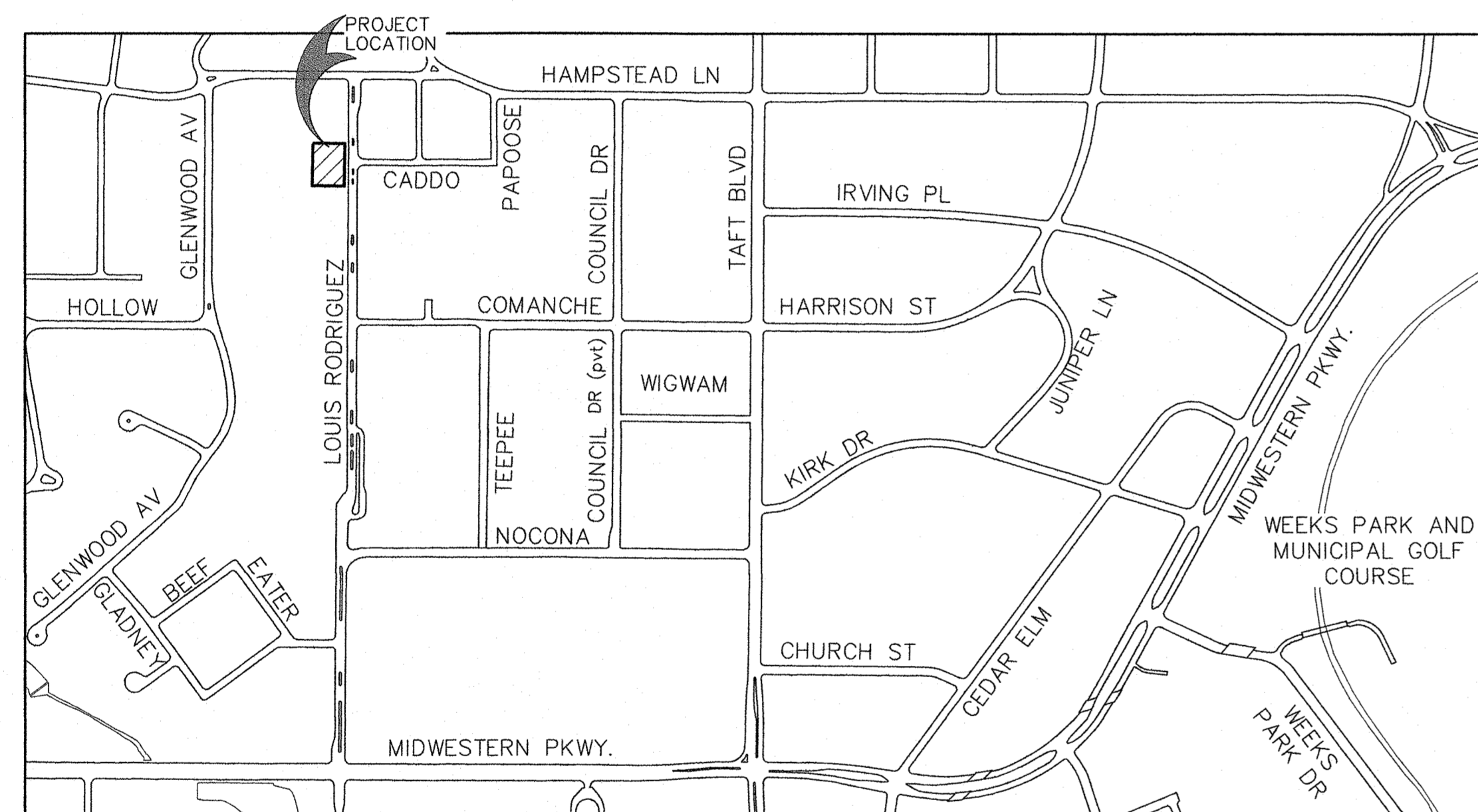


**PARKING LOT ADDITION
MIDWESTERN STATE UNIVERSITY
LOT 5, BLOCK 46, HIGHLAND ADDITION
WICHITA FALLS, WICHITA COUNTY, TEXAS 76308
MARCH 2019**



LOCATION MAP
NTS

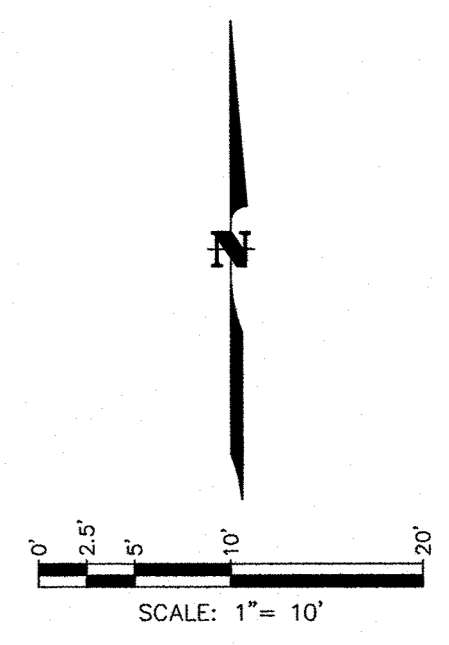
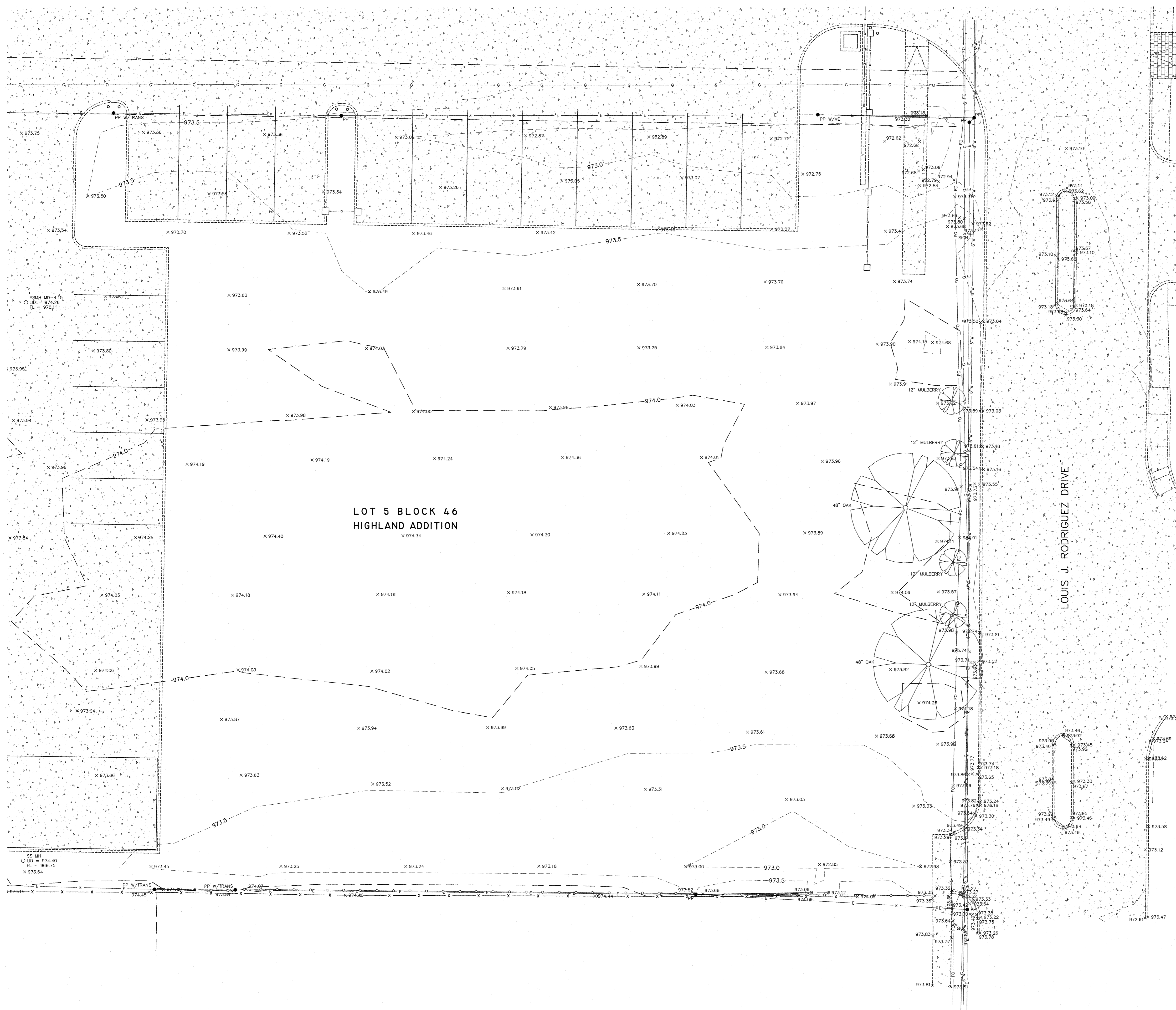
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4605 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302
(940) 723-1455
TBPLS 100541-00 OR TBPEF-279**



LEGEND

- SS MH MANHOLE
- ⊥ SIGN
- PP POWER POLE
- PP W/MB POWER POLE WITH METER BOX
- PP W/TRANS POWER POLE WITH TRANSFORMER
- ⊙ WM WATER METER
- E — EXISTING ELECTRIC LINE
- X — EXISTING FENCE
- ○ — EXISTING PIPE GARDRAIL
- FO — EXISTING FIBER OPTIC CABLE
- G — EXISTING GAS LINE
- - - 990 - - - EXISTING INDEX CONTOUR
- - - 989 - - - EXISTING INTERMEDIATE CONTOUR
- 6" W — EXISTING 6" WATER LINE
- GUY WIRE — GUY WIRE
- x 988.00 EXISTING SPOT ELEVATION
- EXISTING CONCRETE
- ⊙ EXISTING TREE (SIZE AND TYPE SHOWN)

**LOT 5 BLOCK 46
HIGHLAND ADDITION**

LOUIS J. RODRIGUEZ DRIVE



Devin G. Smith
DEVIN G. SMITH
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

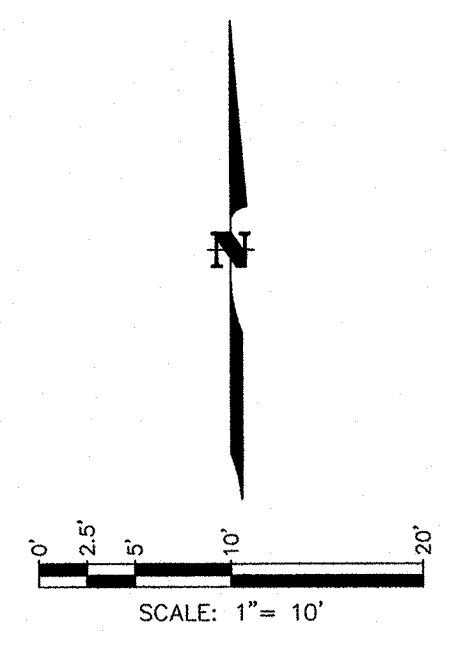
BASIS OF BEARINGS ARE NAD 83 - TEXAS NORTH CENTRAL

**EXISTING TOPOGRAPHIC SURVEY
OUT OF LOT 5, BLOCK 46
HIGHLAND ADDITION
MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, WICHITA COUNTY, TEXAS**

DRAWN	WAT	CORLETT, PROBST & BOYD, P.L.L.C. ENGINEERS - SURVEYORS 4605 OLD JACKSBORO HIGHWAY WICHITA FALLS, TEXAS 76302
CHECKED	DOS	
APPROVED	DOS	
PHONE	(940)723-1455	
FAX	(940)397-0549	

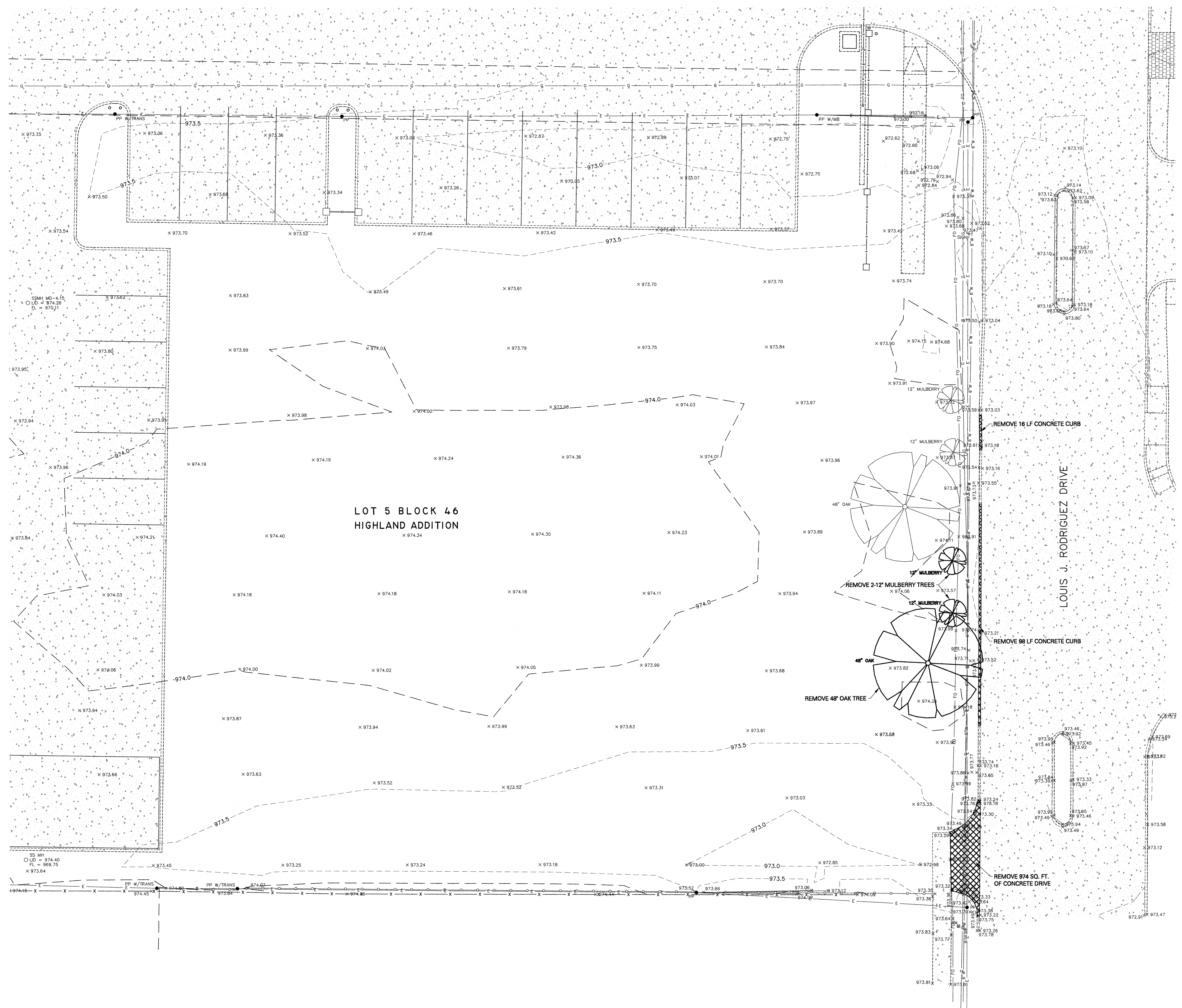
SCALE: 1" = 10'	MAY, 2019	SHEET 1 OF 8
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C:\WAL\2019\134423.DWG TP03 S1 P-2/5/2019 2:51 PM S-5/20/2019 1:36 PM WAL



LEGEND

- SS MH MANHOLE
- ⊥ SIGN
- PP POWER POLE
- PP W/MB POWER POLE WITH METER BOX
- PP W/TRANS POWER POLE WITH TRANSFORMER
- ⊙ WM WATER METER
- E EXISTING ELECTRIC LINE
- X EXISTING FENCE
- ○ EXISTING PIPE GARDRAIL
- FO EXISTING FIBER OPTIC CABLE
- G EXISTING GAS LINE
- - - 990 EXISTING INDEX CONTOUR
- - - 989 EXISTING INTERMEDIATE CONTOUR
- 6" W EXISTING 6" WATER LINE
- GUY WIRE
- × 998.00 EXISTING SPOT ELEVATION
- EXISTING CONCRETE
- ⊙ EXISTING TREE (SIZE AND TYPE SHOWN)



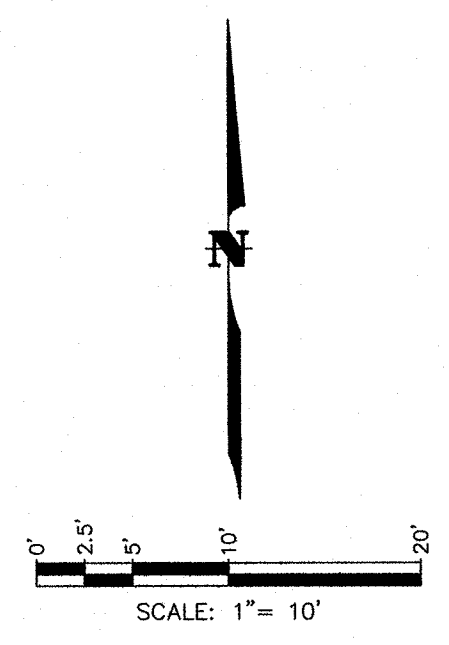
Devin G. Smith 5/30/19
 DEVIN G. SMITH
 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

BASIS OF BEARINGS ARE NAD 83 - TEXAS NORTH CENTRAL

DEMOLITION PLAN
 OUT OF LOT 5, BLOCK 46
 HIGHLAND ADDITION
 MIDWESTERN STATE UNIVERSITY
 WICHITA FALLS, WICHITA COUNTY, TEXAS

DRAWN	WAT	CORLETT, PROBST & BOYD, P.L.L.C. ENGINEERS - SURVEYORS 4605 OLD JACKSBORO HIGHWAY WICHITA FALLS, TEXAS 76302
CHECKED	DCS	
APPROVED	DCS	
PHONE (940)723-1455	TBPE F-279	
FAX (940)397-0549	TBPLS-100841-00	

C:\WALTY\2018\34423\34423.DWG DRWG SZ P-4/20/2019 1:56 PM 5-5/20/2018 1:54 PM WALTY



LEGEND

- SS MH MANHOLE
- PP SIGN
- PP POWER POLE
- PP W/MB POWER POLE WITH METER BOX
- PP W/TRANS POWER POLE WITH TRANSFORMER
- WM WATER METER
- E EXISTING ELECTRIC LINE
- X EXISTING FENCE
- EXISTING PIPE GARDRAIL
- FO EXISTING FIBER OPTIC CABLE
- G EXISTING GAS LINE
- 990- EXISTING INDEX CONTOUR
- 989- EXISTING INTERMEDIATE CONTOUR
- 6" W EXISTING 6" WATER LINE
- GUY WIRE
- x988.00 EXISTING SPOT ELEVATION
- EXISTING CONCRETE
- EXISTING TREE (SIZE AND TYPE SHOWN)
- 60.00 NEW SPOT ELEVATION

CAUTION!!! ----- UNDERGROUND UTILITIES!!!

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED APPROXIMATELY BY SIGHT OR FROM INFORMATION SUPPLIED BY THE VARIOUS OWNERS OF THE FACILITIES. THEN ENGINEER AND OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE LOCATIONS SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION; TO TAKE NECESSARY PRECAUTIONS TO PROTECT ALL FACILITIES ENCOUNTERED; AND TO NOTIFY ENGINEER PROMPTLY OF ALL CONFLICTS WITH THE PROPOSED WORK. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES AND FACILITIES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPAIR OR REPLACEMENT OF ANY FACILITIES AS REQUIRED BY THE FACILITY OWNERS. CONTACT ALL POSSIBLE UTILITY AND FACILITY OWNERS AND TAKE PROPER SAFETY AND PROTECTION MEASURES AS REQUIRED BY THE FACILITY OWNERS.

- MSU - MARK MORGAN, CENTRAL PLANT SUPERINTENDENT - (940) 397-4648
- AT&T - (940) 766-7217
- TEXAS DEPARTMENT OF TRANSPORTATION - (940) 720-7709
- ONCOR ELECTRIC DELIVERY - (940) 766-5460
- UNDERGROUND FACILITIES LOCATOR SERVICE - (800) 344-8377
- ATMOS ENERGY - (940) 696-7602

PARKING SCHEDULE	
TYPE	NUMBER OF SPACES
REGULAR	48
HANDICAPPED	2
TOTAL	50



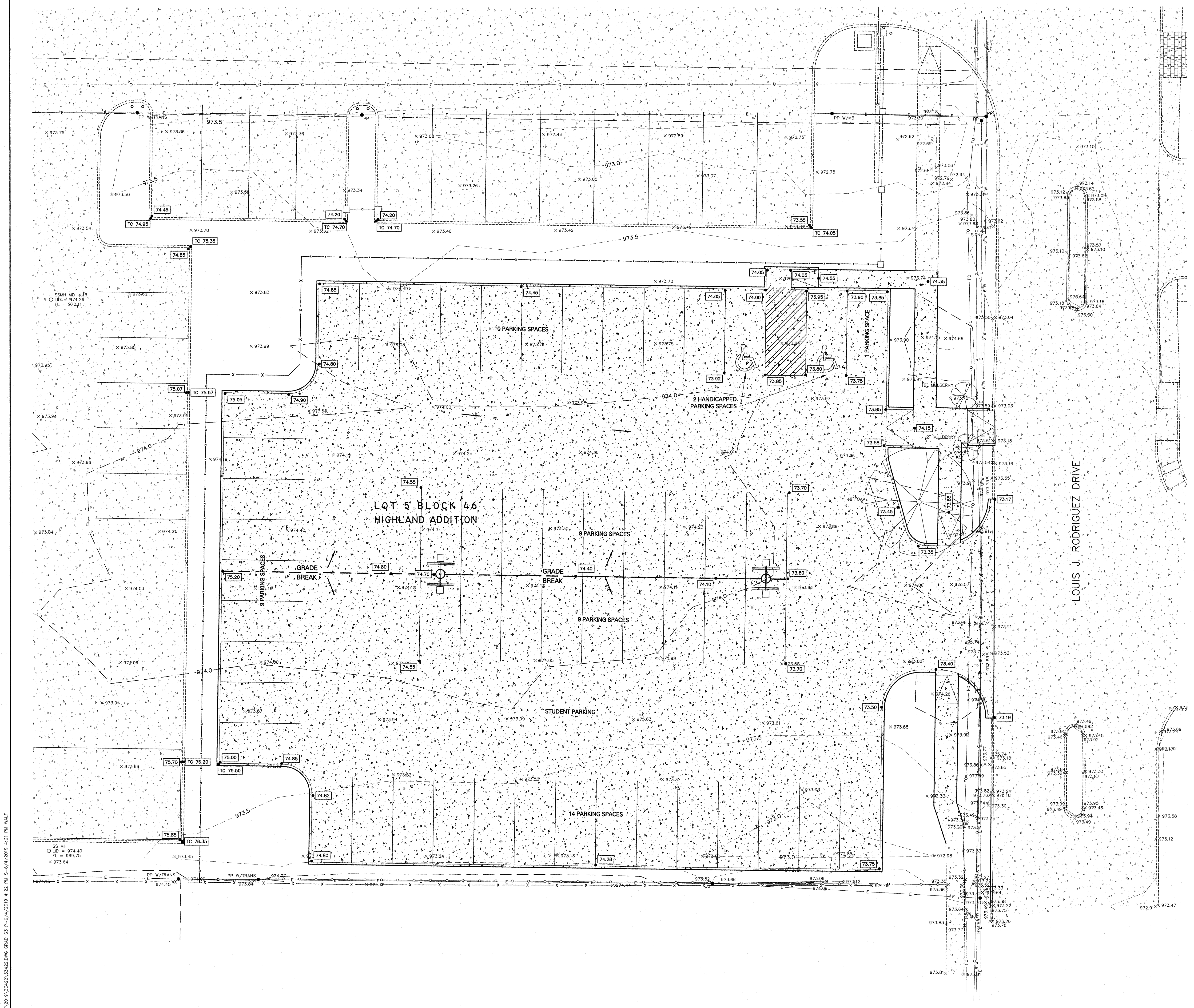
Devin G. Smith 4/5/19
 DEVIN G. SMITH
 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

BASIS OF BEARINGS ARE NAD 83 - TEXAS NORTH CENTRAL

SITE GRADING AND PAVING PLAN
 OUT OF LOT 5, BLOCK 46
 HIGHLAND ADDITION
 MIDWESTERN STATE UNIVERSITY
 WICHITA FALLS, WICHITA COUNTY, TEXAS

CORLETT, PROBST & BOYD, P.L.L.C.
 ENGINEERS - SURVEYORS
 4605 OLD JACKSBORO HIGHWAY
 WICHITA FALLS, TEXAS 76302

SCALE: 1" = 10' MAY, 2019 SHEET 3 OF 8



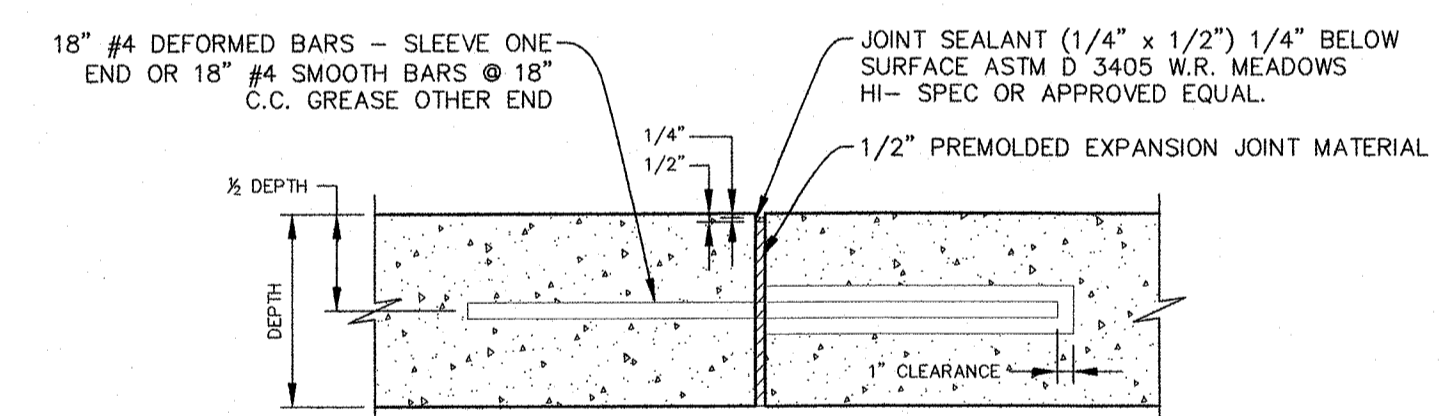
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GENERAL NOTES FOR PAVING

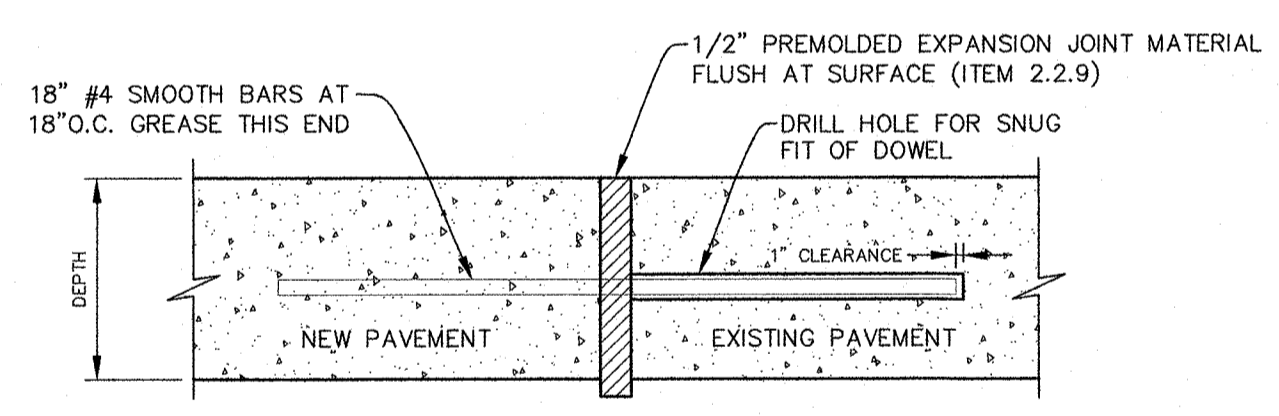
1. ANY VEGETATIVE AND DELETERIOUS MATTER SHALL BE STRIPPED AND HAULED OFF-SITE TO AN OFF-SITE LOCATION BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL PLACE REASONABLE AND NECESSARY TRAFFIC CONTROL AND PROTECTIVE DEVICES AROUND THE CONSTRUCTION SITE. THE TRAFFIC CONTROL AND PROTECTIVE DEVICES SHALL DISCOURAGE VEHICULAR AND PEDESTRIAN TRAFFIC FROM ENTERING OR CROSSING THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TRAFFIC CONTROL DEVICES USED AS WELL AS REMOVING THEM FROM SITE ONCE THEY ARE NO LONGER NEEDED.
3. THE CONTRACTOR SHALL TAKE PRECAUTIONS AS TO NOT TRACK DEBRIS, DIRT AND MUD FROM THE SITE ONTO THE ADJACENT STREETS, ALLEY AND AREAS NOT WITHIN THE CONSTRUCTION SITE. ALL ADJACENT STREETS, ALLEYS AND AREAS SHALL BE SWEEP AND/OR CLEANED AS NEEDED OR AS DIRECTED BY THE OWNER.
4. A CITY OF WICHITA FALLS APPROACH PERMIT IS REQUIRED FOR THE APPROACH AND THE SIDEWALK ALONG THE NORTH SIDE OF HAMPSHIRE LANE. THE APPROACH AND SIDEWALK SHALL BE INSTALLED PER CITY OF WICHITA FALLS STANDARDS AND WILL BE SUBJECT TO CITY INSPECTION AND APPROVAL. ALL WORK WITHIN CITY RIGHT-OF-WAY SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-NORTH CENTRAL TEXAS, LATEST EDITION, AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS. THE CITY PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED AT LEAST TWO (2) BUSINESS DAYS PRIOR TO WORK WITHIN THE CITY RIGHT-OF-WAY. ANY TRAFFIC SAFETY MEASURES USED WITHIN THE STREET RIGHT-OF-WAY TO PROTECT THE PUBLIC SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL FROM THE SITE. THE CONTRACTOR SHALL REMOVE, LOAD, HAIL AND DISPOSE OF EXCESS MATERIAL OF AT AN OFF-SITE LOCATION. ONCE THE SITE HAS BEEN SUFFICIENTLY GRADED TO THE REQUIRED SUBGRADE DEPTH, THE SITE SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR SIMILAR EQUIPMENT. ANY SOFT AREAS SHALL BE REMOVED, REWORKED AND RECOMPACTED TO ACHIEVE A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D-698) AT 1 1/2-3% ABOVE OPTIMUM MOISTURE.
6. ALL CONCRETE STRENGTH SHALL BE A MINIMUM OF 3000 PSI UNLESS OTHERWISE NOTED AT 28 DAYS AND SHALL CONTAIN A MINIMUM OF 4% ENTRAINED AIR. THE CONTRACTOR SHALL TAKE CARE SO THAT THE MAXIMUM SLUMP DURING A POUR DOES NOT EXCEED 9-INCHES. ANY EXCESSIVELY WET CONCRETE LOADS WILL BE REJECTED. THE CONTRACTOR SHALL OBTAIN TWO SETS OF FOUR CYLINDERS FROM SEPARATE READY MIX TRUCKS FOR EACH MAJOR POUR. THESE CYLINDERS SHALL BE KEPT AT FIELD CONDITIONS AND SHALL BE BROKEN BY AN INDEPENDENT TESTING LAB AT 7, 14 AND 28 DAYS AT THE OWNER'S EXPENSE. THE RESULTS SHALL BE PROVIDED TO BOTH THE ENGINEER AND MWSU. TESTS MAY CEASE ON ANY SET OF CYLINDERS WHEN DESIGN STRENGTH HAS BEEN ACHIEVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ANY CONCRETE NOT MEETING THE REQUIRED MINIMUM DESIGN STRENGTH AT NO EXPENSE TO THE OWNER.
7. CONCRETE SHALL BE PROTECTED FROM FREEZING FOR A MINIMUM OF 36 HOURS FOLLOWING ITS INITIAL SET AND SHALL NOT BE PLACED UNLESS THE TEMPERATURE IS AT LEAST 40 DEGREES FAHRENHEIT. ANY TRAFFIC SHALL BE KEPT OFF OF THE PAVEMENT FOR A MINIMUM OF 7 DAYS OR UNTIL APPROVED FOR TRAFFIC BY MWSU.
8. ANY CONCRETE TRUCKS SHALL NOT BE WASHED OUT ON MWSU PROPERTY.
9. REINFORCING SHALL BE GRADE 60 AND INSTALLED IN ACCORDANCE WITH ACI 330 LATEST EDITION AND SHALL BE FREE OF EXCESSIVE RUST, SCALE AND MUD. REINFORCING MATS SHALL BE SUPPORTED ON PLASTIC CHAIRS, NOT ON ROSS DRIVING INTO THE GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CARE DURING CONCRETE PLACEMENT TO INSURE THAT ANY REINFORCING MAINTAINS ITS PROPER POSITION IN THE PAVEMENT. CONCRETE TRUCKS SHALL NOT BE DRIVEN ACROSS REINFORCING MATS.
10. PAVEMENT SURFACES SHALL HAVE A LIGHT BROOM FINISH.
11. CONTRACTION JOINTS IN THE SIDEWALK SHALL BE TOOLED IN AS INDICATED ON THE DETAILS. CONTRACTION JOINTS IN THE PARKING LOT PAVING SHALL BE SAW CUT TO A DEPTH OF 3/4" WITHIN 24-HOURS AFTER THE CONCRETE HAS OBTAINED ITS INITIAL SET AT 15' ON CENTER EACH WAY. AFTER THE CONCRETE HAS SET FOR A MINIMUM OF 14 DAYS, ALL JOINTS SHALL BE BLOWN CLEAN WITH COMPRESSED AIR AND SHALL BE SEALED WITH A 1/2 INCH BEAD OF SONOLASTIC SL1, OR OTHER APPROVED SEALANT, TO WITHIN 1/4 INCH OF THE FINISHED PAVEMENT SURFACE.
12. EXPANSION JOINTS SHALL BE INSTALLED PER DETAILS AGAINST ANY EXISTING CONCRETE AND SHALL BE PLACED AT A MINIMUM OF 90' AND MAXIMUM OF 120' INTERVALS IN THE PARKING AREAS. EXPANSION JOINT MATERIAL SHALL BE SCORED OR SHALL HAVE A REMOVABLE PLASTIC CAP SO THAT THE UPPER 1/2 INCH CAN BE REMOVED TO ALLOW A SEALANT POCKET. EXPANSION JOINTS SHALL BE SEALED IN THE SAME MANNER AS MENTIONED ABOVE FOR CONTRACTION JOINTS. EXPANSION JOINTS SHALL BE LINED UP IN PARKING LOTS, CURB AND GUTTER AND SIDEWALK.
13. CONTRACTION JOINTS SHALL BE DOWELED TOGETHER PER THE DETAILS. THE DOWELS MAY BE ELIMINATED IF THE STEEL IS LAID CONTINUOUSLY ACROSS THE JOINT.
14. AFTER REMOVAL OF THE FORMS FOR CURBING, ALL VOIDS SHALL BE RUBBER FLOATED FULL WITH RICH CEMENT GROUT CONTAINING BONDING AGENT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY PICKING UP AND RAKING THE SITE AND ALL DEBRIS REMOVED.
16. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR SAFETY ON THIS PROJECT. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY AND PRUDENT BARRICADES, SIGNS, FENCING, WARNING LIGHTS, TRENCH SAFETY MEASURES AND DEVICES, WORK METHODS AND ALL OTHER SAFETY MEASURES NECESSARY TO PROTECT THE MWSU STUDENTS, FACULTY, STAFF, GENERAL PUBLIC AND CONTRACTOR EMPLOYEES. TRAFFIC SAFETY MEASURES SHALL BE USED WITHIN THE STREET RIGHT-OF-WAY TO PROTECT THE TRAVELING PUBLIC AND SHALL CONFORM TO THE REQUIREMENTS MEETING THE MANUAL ON UNIFORM TRAFFIC CONTROL.

STRIPING NOTES

1. THE CONTRACTOR SHALL PROVIDE PARKING LOT STRIPING AS SHOWN IN PLAN VIEW.
2. THE CONCRETE SURFACE SHALL BE STRIPED SHALL BE BROOMED CLEAN AND/OR POWER WASHED TO REMOVE DEBRIS, DIRT AND MUD PRIOR TO PAINTING.
3. THE SURFACES TO BE PAINTED SHALL BE THOROUGHLY DRY AND THE JOINT SEALANT SHALL BE FULLY CURED AND PAINTABLE. SHERWIN-WILLIAMS TRAFFIC MARKING PAINT SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. PARKING SPACE STRIPING SHALL BE 4 INCHES WIDE AND SHALL BE TRAFFIC SAFETY YELLOW. HANDICAP SPACES, INCLUDING STRIPING, CURB FACE AND SYMBOLS, SHALL BE SAFETY BLUE.
5. THE CONCRETE BASE SHOWN IN LOT LIGHTING DETAILS AND LIGHTING PLAN SHALL BE PAINTED TRAFFIC SAFETY YELLOW.
6. ALL PAINTED AREAS SHALL BE PROTECTED FROM TRAFFIC UNTIL THOROUGHLY DRY AND ACCEPTED BY MWSU.



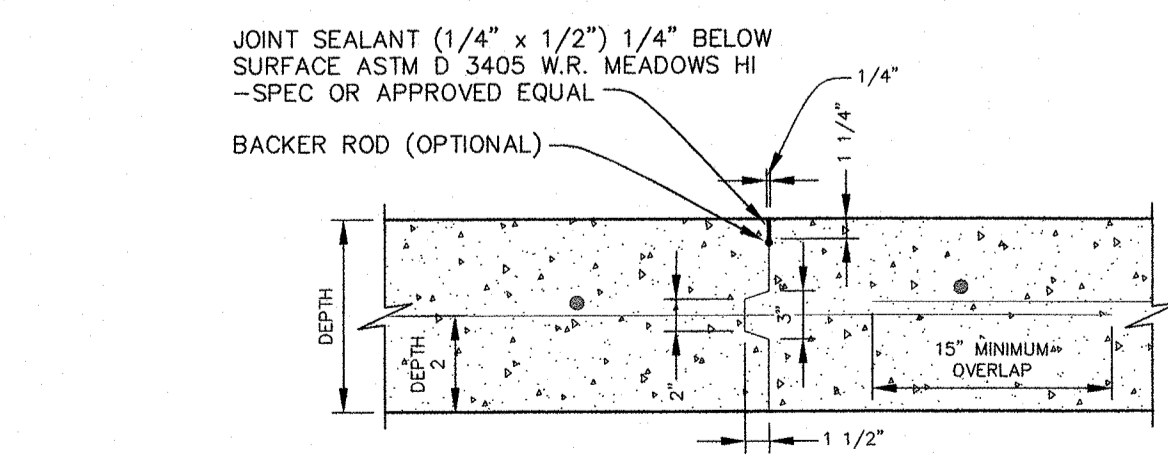
EXPANSION JOINT
SCALE: NONE



EXISTING PAVEMENT TIE-IN JOINT
SCALE: NONE

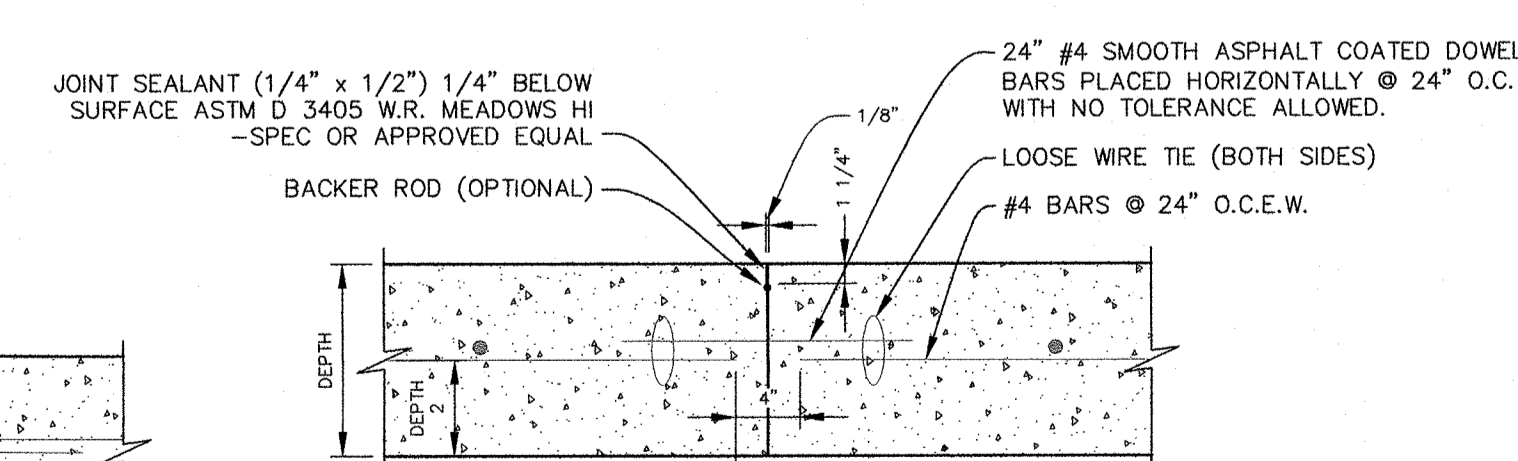
GENERAL NOTES:

1. SEE ITEM 5.8.2.e.1 OF THE STANDARD SPECIFICATIONS.
2. DOWEL BARS MUST BE ADEQUATELY BRACED TO ASSURE THEY WILL BE MAINTAINED PERPENDICULAR TO JOINT DURING PLACEMENT OF CONCRETE.



NOTE: SEE ITEM 5.8.2.e.3 OF THE STANDARD SPECIFICATIONS

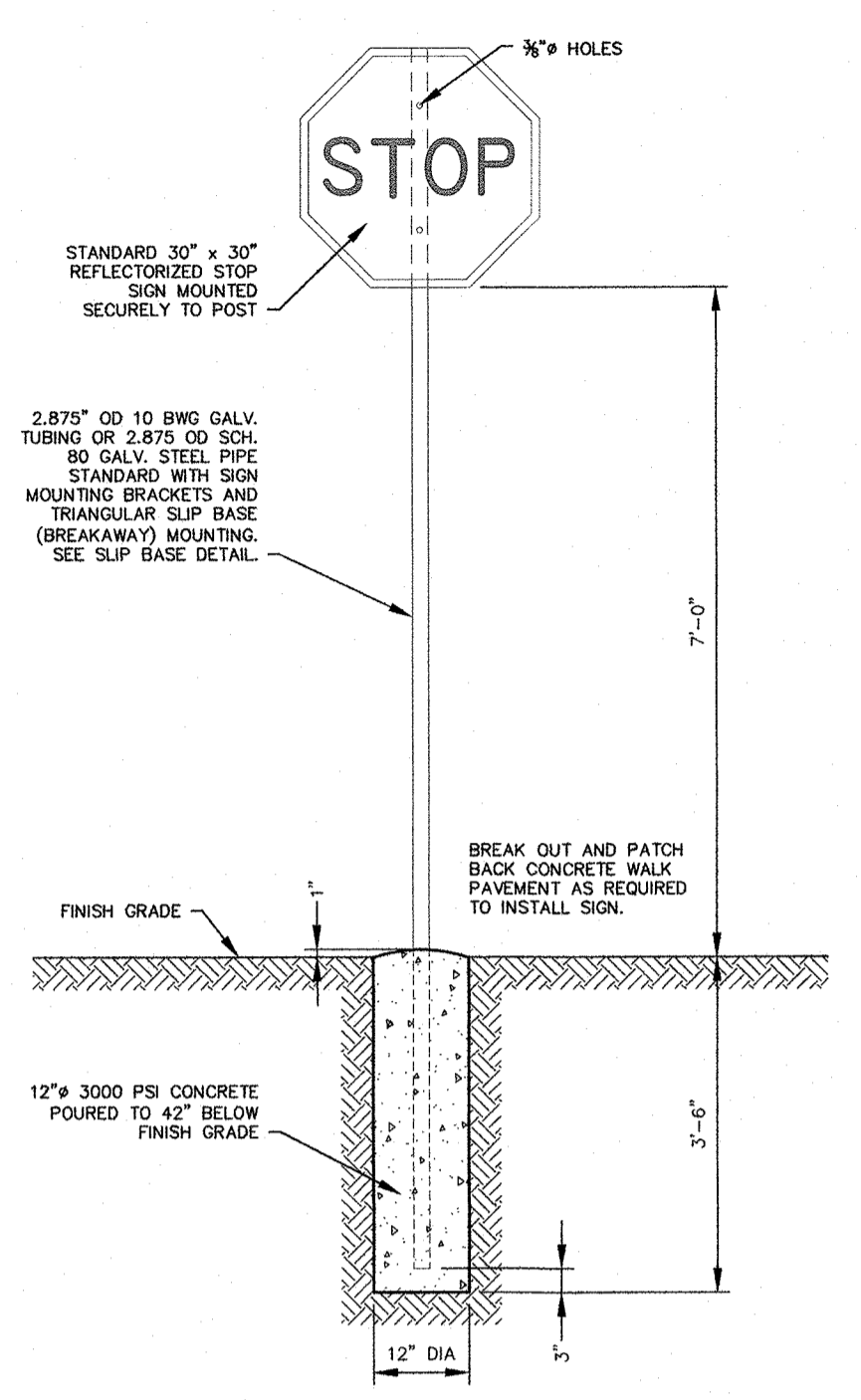
CONSTRUCTION JOINT
SCALE: NONE



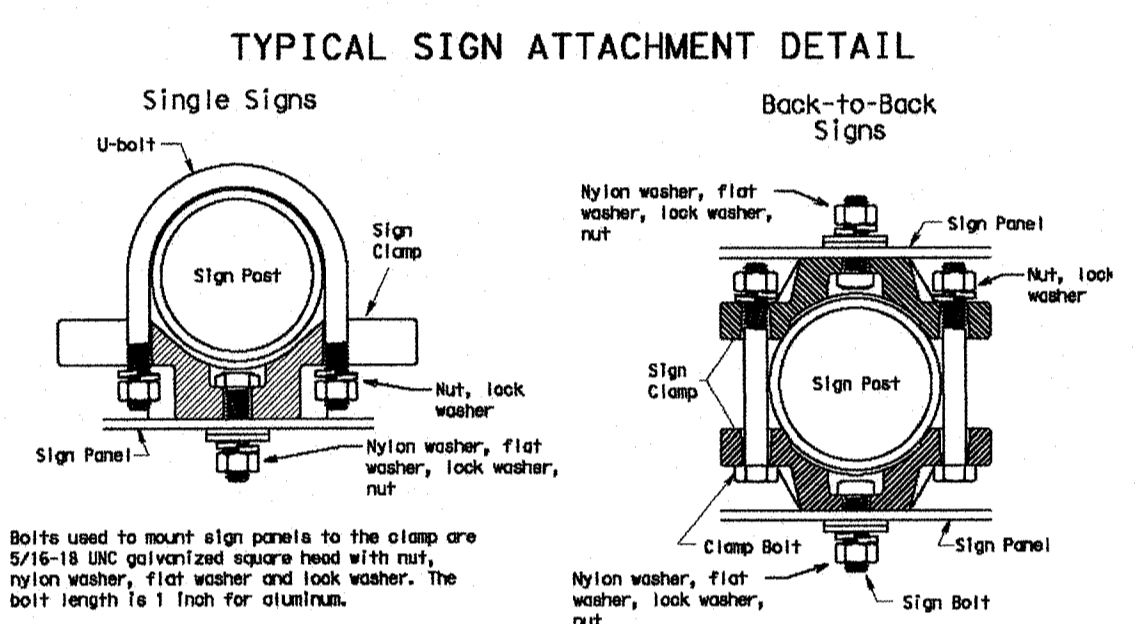
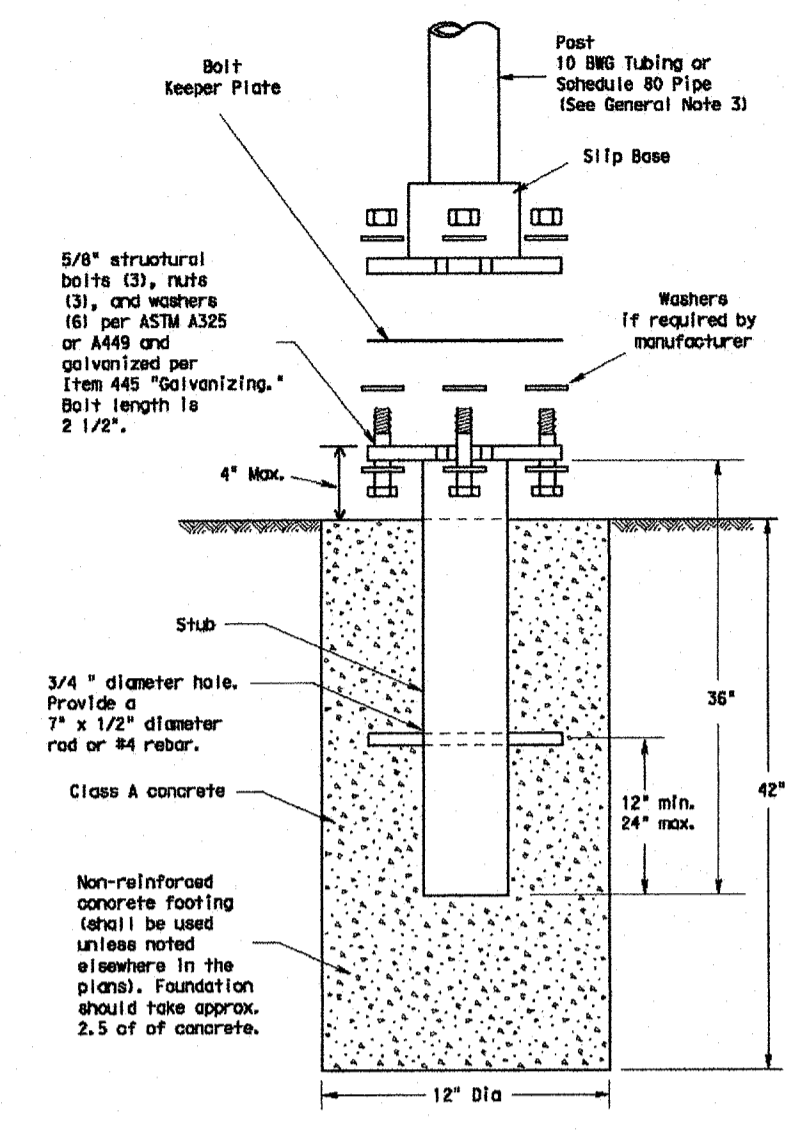
- NOTE:
1. SEE ITEM 5.8.2.e.2 OF THE STANDARD SPECIFICATIONS.
 2. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 40'-4" INTERVALS.

SAWED CONTRACTION JOINT
SCALE: NONE

TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS



STOP SIGN DETAIL
SCALE: NONE



Boils used to mount sign panels to the clamp are 5/16-18 UNC galvanized square head with nut, nylon washer, flat washer and lock washer. The bolt length is 1 inch for standard.

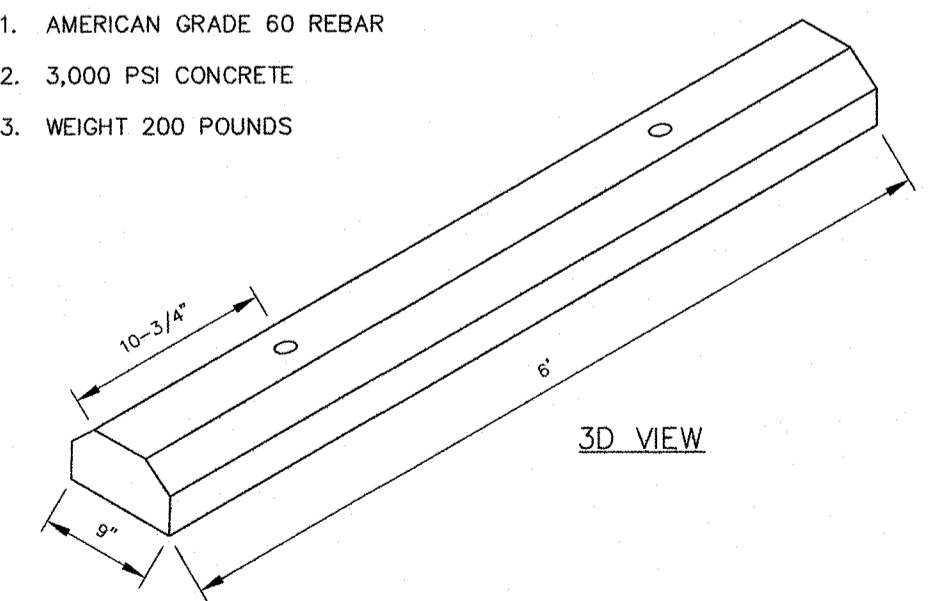
When two sign clamps are used to mount sign back-to-back, use a 5/16-18 UNC galvanized hex head per ASTM A307 with nut and flat washer and lock washer. The approximate bolt lengths for various post sizes and sign clamp types are given in the table at right. The bolt length may need to be adjusted depending upon field conditions.

Sign clamps may be either the specific size clamp or the universal clamp.

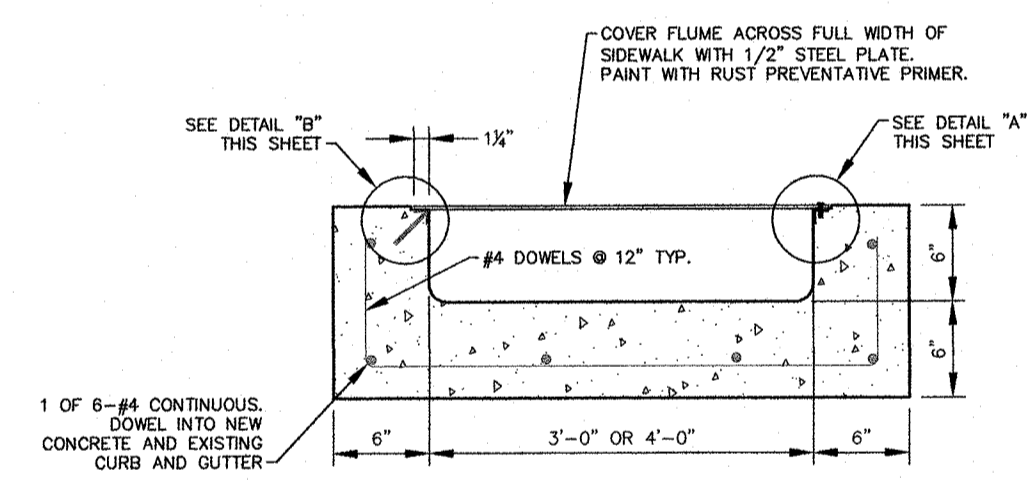
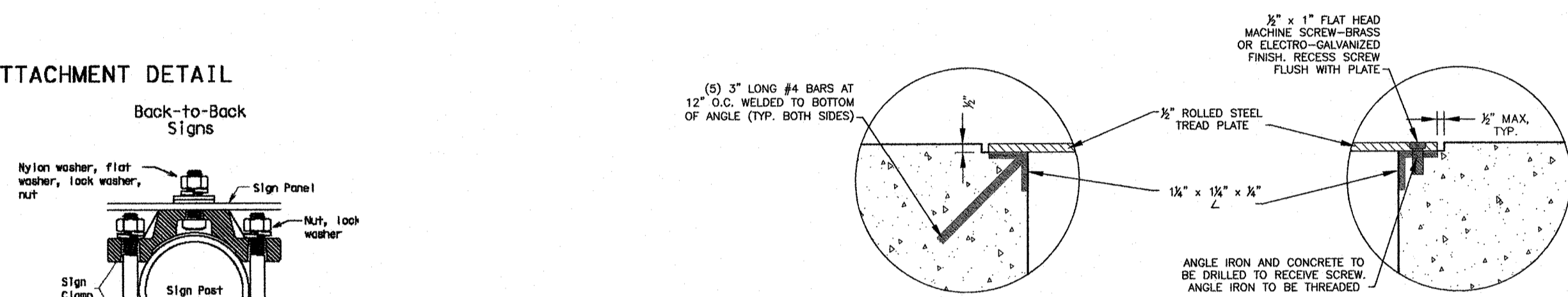
Pipe Diameter	Approximate Bolt Length	
	Specific Clamp	Universal Clamp
2" nominal	3"	3 or 3 1/2"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"
3" nominal	3 1/2 or 4"	4 1/2"

GENERAL NOTES:

1. AMERICAN GRADE 60 REBAR
2. 3,000 PSI CONCRETE
3. WEIGHT 200 POUNDS



PRECAST CONCRETE WHEEL STOP
SCALE: NONE



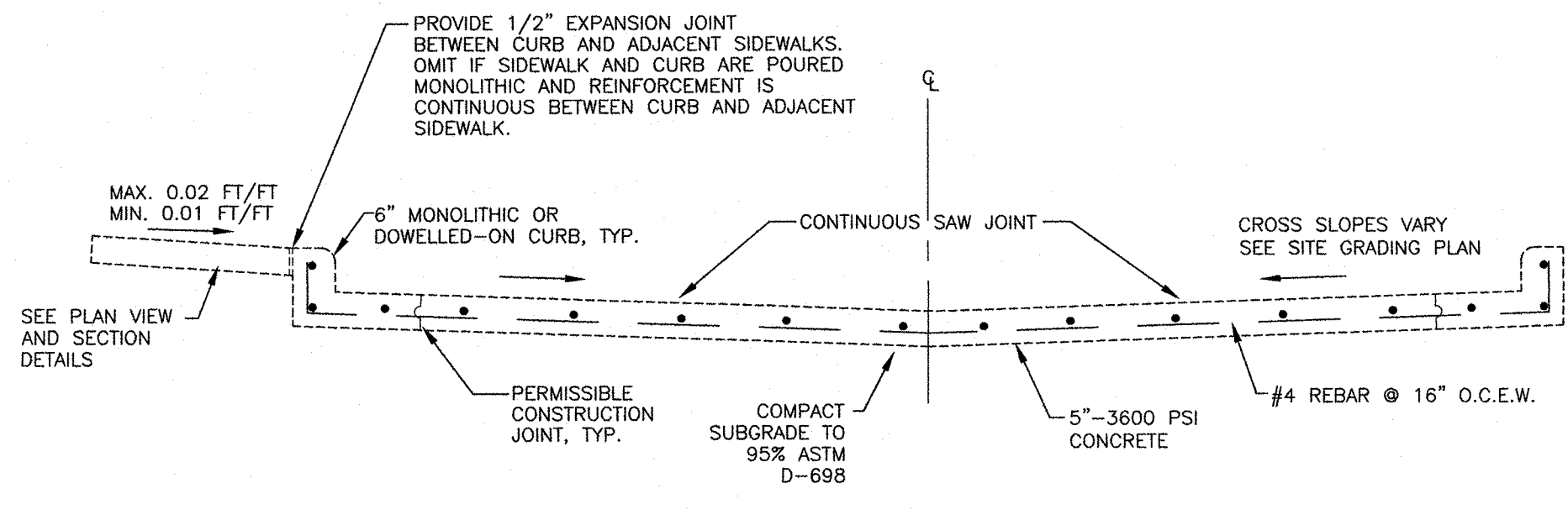
TYPICAL SECTION OF OUTLET FLUME
NOT TO SCALE



Devin G. Smith
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

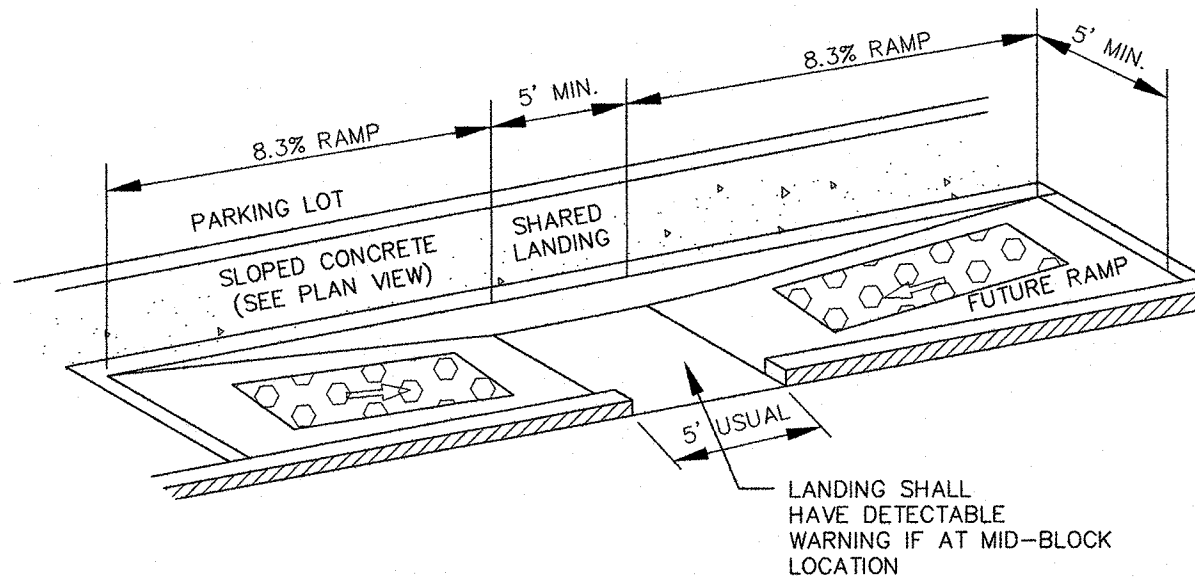
SITE GRADING AND PAVING DETAILS
OUT OF LOT 5, BLOCK 46
HIGHLAND ADDITION
MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, WICHITA COUNTY, TEXAS

CORLETT, PROBST & BOYD, P.L.L.C.
ENGINEERS - SURVEYORS
4605 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302

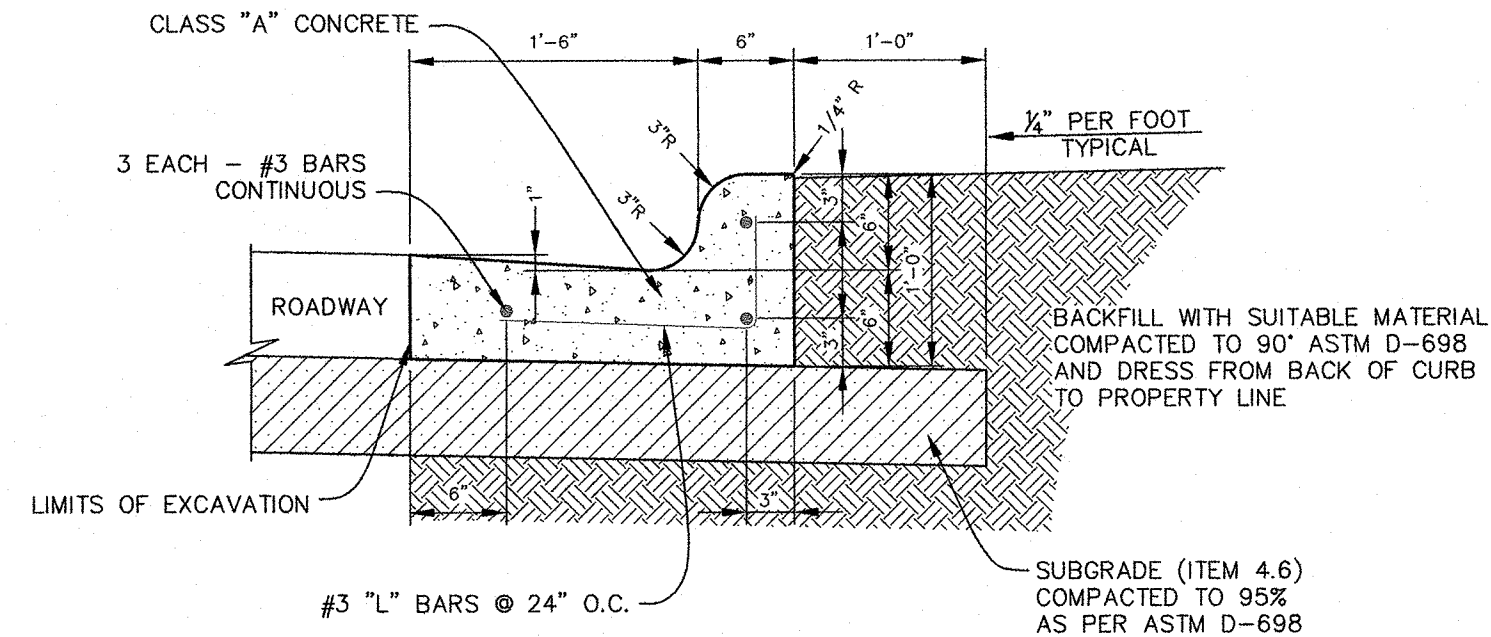


TYPICAL CONCRETE PARKING SECTION

NO SCALE



TYPE 3 PERPENDICULAR CURB RAMP
NOT TO SCALE

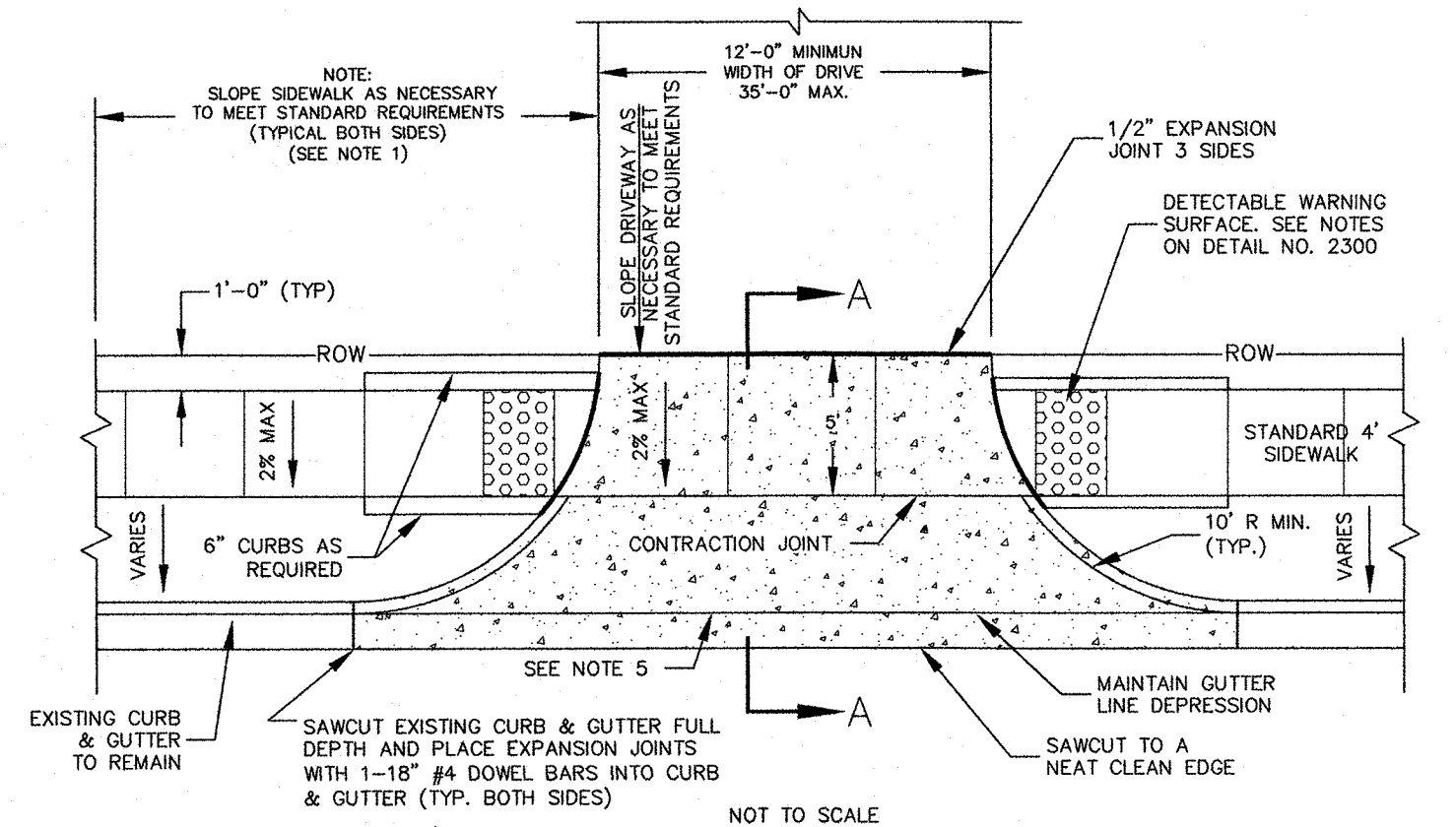


MONOLITHIC CURB AND GUTTER

SCALE: NONE

GENERAL NOTES:

1. DOWEL REINFORCEMENT 6" INTO EXISTING CURB AND GUTTER.
2. CONSTRUCT 1/2" EXPANSION JOINTS AT 60' ON CENTER AND CONTRACTION JOINTS AT 15' ON CENTER.
3. SEE ITEM 8.2 OF THE STANDARD SPECIFICATIONS.
4. ALL CONCRETE SHALL BE CLASS C, 3,600 PSI.
5. SAND SHALL NOT BE ACCEPTED AS COMPACTED SUBGRADE. SAND WILL BE ALLOWED FOR LEVEL-UP ONLY (2" MAX.).

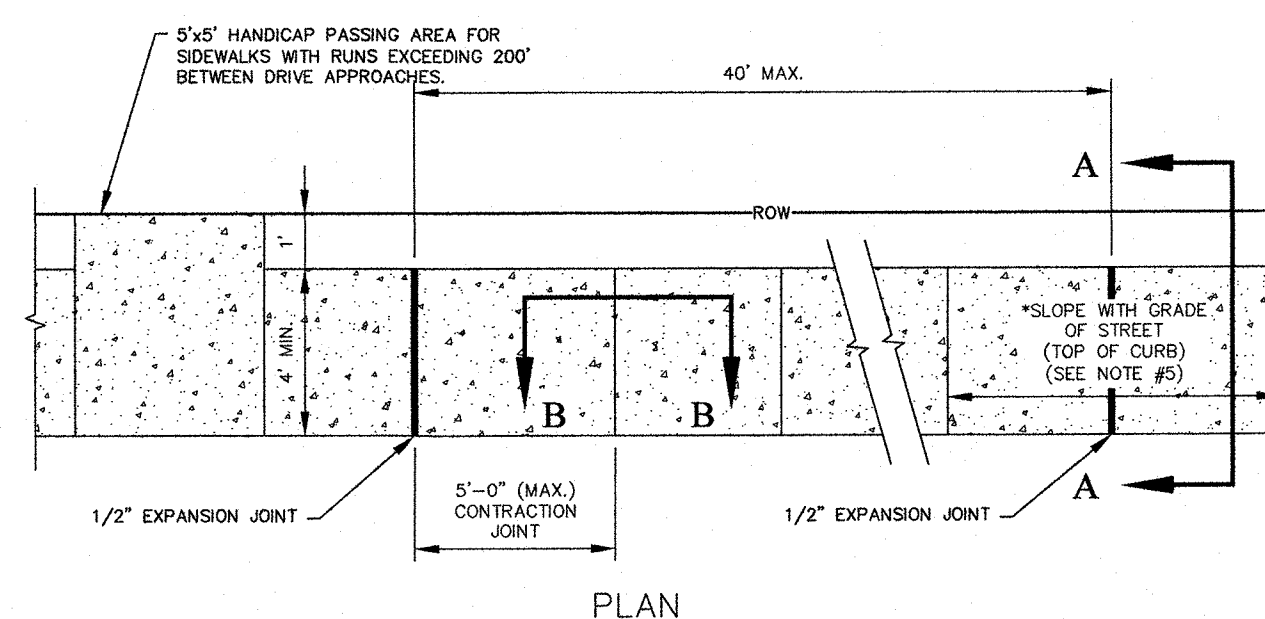


COMMERCIAL DRIVE APPROACH ASPHALT STREET

NOT TO SCALE

GENERAL NOTES:

1. SLOPE OF SIDEWALK AT DRIVE APPROACHES, AND DETECTABLE WARNING SURFACES MUST COMPLY WITH ADA REQUIREMENTS (1" PER FOOT MAXIMUM).
2. SEE DRIVE APPROACHES, ITEM 305.2 OF THE STANDARD SPECIFICATIONS.
3. ALL CONCRETE SHALL BE CLASS "C" (COMPRESSIVE STRENGTH OF 3600 PSI @ 28 DAYS)
4. SAND SHALL NOT BE ACCEPTED AS COMPACTED SUBGRADE. SAND WILL BE ALLOWED FOR LEVEL-UP ONLY.
5. ALL STEEL SHALL HAVE A 2" MINIMUM COVER.
6. REBAR SHALL STOP 2" PRIOR TO EDGE OF EXISTING STREET.
7. ANY UTILITY BOXES OR MANHOLES WITHIN THE APPROACH MUST BE ADJUSTED BY THE CITY UTILITY DEPARTMENT, OR THE OWNER OF UTILITY, TO BE FLUSH WITH FINISH GRADE, OR RELOCATED OUT OF THE APPROACH TO THE PROPER GRADE. ALL ADJUSTMENT COST WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, OR THE OWNER INSTALLING THE APPROACH.



HANDICAP SIGN DETAIL

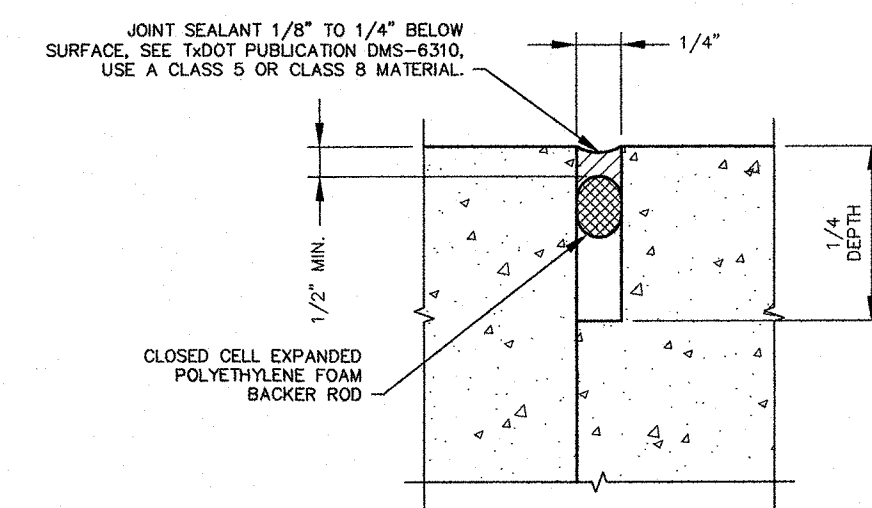
NO TO SCALE

GENERAL NOTES:

1. SIDEWALK REINFORCING (EXCLUDING DRIVE APPROACHES) SHALL BE #3 BARS @ 18" O.C.E.W. OR #4 BARS ON 24" O.C.
2. ALL CONCRETE SHALL BE CLASS "C", (COMPRESSIVE STRENGTH OF 3,600 PSI @ 28 DAYS.)
3. SAND SHALL NOT BE ACCEPTED AS COMPACTED SUBGRADE. SAND WILL BE ALLOWED FOR LEVEL-UP ONLY.
4. ANY UTILITY BOXES OR MANHOLES WITHIN THE SIDEWALK MUST BE ADJUSTED BY THE CITY UTILITY DEPARTMENT, OR OWNER OF UTILITY, TO BE FLUSH WITH FINISH GRADE, OR RELOCATED OUT OF THE SIDEWALK TO THE PROPER GRADE. ALL ADJUSTMENT COST WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, OR THE OWNER INSTALLING THE SIDEWALK. (1 INCH PER FOOT MAXIMUM).
5. CROSS SLOPE AT DRIVE APPROACHES AND RAMP MUST COMPLY WITH ADA REQUIREMENTS.
6. IF SIDEWALK IS PLACED ADJACENT TO CURB, MINIMUM WIDTH SHALL BE 6'.
7. PLACE SIDEWALK 1' OFF ROW LINE. PROVIDE 5' MINIMUM WIDTH SIDEWALK IN COMMERCIAL AREAS WITH HEAVY PEDESTRIAN MOVEMENTS.
8. SIDEWALKS INSTALLED WITHIN 10'00" RIGHT OF WAY SHALL BE A MINIMUM WIDTH OF 5' AND MEET REQUIREMENTS OF 10'00" PEDESTRIAN STANDARDS.

SIDEWALK

NOT TO SCALE

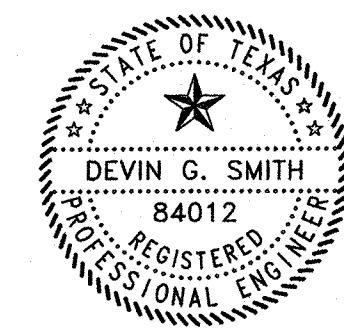


JOINT SEALANT

NOT TO SCALE

CURB RAMP GENERAL NOTES:

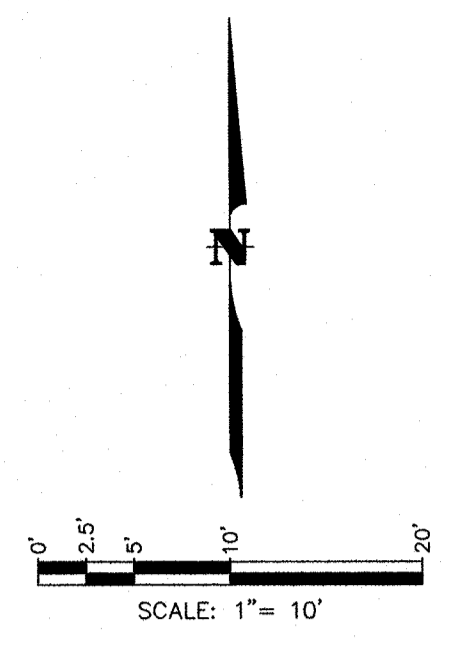
1. INSTALL A CURB RAMP AT EACH PEDESTRIAN STREET CROSSING.
2. RAMP SHALL NOT BE STEEPER THAN 12:1 AND PAVEMENT COUNTER SLOPE SHALL NOT EXCEED 20:1 TOWARDS THE RAMP. ALL SLOPES SHOWN ARE MAXIMUM ALLOWABLE. LESSER SLOPES THAT WILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
3. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
4. GUTTER FLOW LINE AND STREET PROFILE SHALL BE MAINTAINED THROUGH THE RAMP AREA WITH A SMOOTH TRANSITION BETWEEN RAMP AND STREET. ENSURE THAT POSITIVE DRAINAGE IS OBTAINED OFF LANDING AREA AND RAMP. CHANGES IN LEVEL GREATER THAN 1/4" ARE NOT PERMITTED.
5. PROVIDE FLARED SIDES WHERE THE PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP. FLARED SIDES SHALL BE SLOPED AT 10% MAXIMUM, MEASURED PARALLEL TO THE CURB. RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, EITHER BECAUSE THE ADJACENT SURFACE IS PLANTED, SUBSTANTIALLY OBSTRUCTED OR OTHERWISE PROTECTED.
6. LANDINGS SHALL BE 4' x 4' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
7. MANEUVERING SPACE AT THE BOTTOM OF THE CURB RAMP SHALL BE A MINIMUM OF 4' x 4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
8. PLACE CONCRETE AT A MINIMUM DEPTH OF 5" FOR RAMP, FLARES AND LANDINGS, UNLESS OTHERWISE DIRECTED. THE GUTTER PORTION OF THE RAMP IS MINIMUM 6" DEPTH OR MATCH ADJACENT PAVEMENT THICKNESS.
9. ALL CONCRETE SHALL BE CLASS "C" (COMPRESSIVE STRENGTH OF 3,600 PSI @ 28 DAYS.)
10. RAMP AND LANDING AREA REINFORCING SHALL BE #3 BARS @ 18" O.C.E.W.
11. DETECTABLE WARNINGS SHALL CONSIST OF A CAST IN PLACE DETECTABLE WARNING SURFACE AS MANUFACTURED BY ARMOR-TILE, ADA SOLUTIONS OR APPROVED EQUAL THE DETECTABLE WARNING SHALL BE BRICK RED UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR A DESIGNATED REPRESENTATIVE, THE COLOR SHALL BE A HOMOGENOUS PART OF THE DETECTABLE WARNING DEVICE.
12. DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
13. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS AT THE BACK OF THE CURB. ALIGN ROWS OF DOMES TO BE PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP RUN AND THE STREET. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.
14. PLACE UTILITY POLES, GROUND BOXES, METER BOXES, SIGNS, DRAINAGE FACILITIES AND OTHER ITEMS SO AS NOT TO OBSTRUCT THE PEDESTRIAN ACCESS ROUTE OR CLEAR GROUND SPACE.
15. RAMP LIMITS OF PAYMENT SHALL INCLUDE RAMP, LANDING, REQUIRED FLARES AND GUTTER ADJACENT TO RAMP AND FLARES.



Devin G. Smith
DEVIN G. SMITH
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

SITE GRADING AND PAVING DETAILS
OUT OF LOT 5, BLOCK 46
HIGHLAND ADDITION
MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, WICHITA COUNTY, TEXAS

DRAWN	WAT	CORLETT, PROBST & BOYD, P.L.L.C. ENGINEERS - SURVEYORS 4605 OLD JACKSBORO HIGHWAY WICHITA FALLS, TEXAS 76302 PHONE (940)723-1455 FAX (940)397-0549	TPBE F-279 TBLPLS-100541-00
CHECKED	DGS		
APPROVED	DGS		
SCALE: NONE			
MAY, 2019			



LEGEND

- SS MH MANHOLE
- ⊥ SIGN
- PP POWER POLE
- PP W/MB POWER POLE WITH METER BOX
- PP W/TRANS POWER POLE WITH TRANSFORMER
- ⊙ WM WATER METER
- E EXISTING ELECTRIC LINE
- X EXISTING FENCE
- ○ EXISTING PIPE GARDRAIL
- FO EXISTING FIBER OPTIC CABLE
- G EXISTING GAS LINE
- - - 990 - - - EXISTING INDEX CONTOUR
- - - 989 - - - EXISTING INTERMEDIATE CONTOUR
- 6" W EXISTING 6" WATER LINE
- GUY WIRE
- ⊙ 988.00 EXISTING SPOT ELEVATION
- ⊙ EXISTING CONCRETE
- ⊙ EXISTING TREE (SIZE AND TYPE SHOWN)
- NEW LIGHT POLE (DOUBLE LIGHT)

LIGHTING NOTES

1. THE NEW PARKING LOT LIGHTS SHALL BE MOUNTED ON 24" DIAMETER CONCRETE FOUNDATIONS AS DESCRIBED ON DETAIL SHEET 7.
2. THE NEW LIGHT POLES SHALL BE KW INDUSTRIES RTSU25-6.1-11-BRZ 28S-BC (DOUBLE ARM AT 180°) MOUNTED TO THE CONCRETE FOUNDATIONS WITH GALVANIZED 3/4" X 30" LONG WITH 3" HOOK ANCHOR BOLTS. THE ANCHOR BOLTS SHALL BE DOUBLE-NUTTED TO PLUMB THE POLE. ONCE THE POLE HAS BEEN PLUMBED AND BOLTS TIGHTENED, THE SPACE BETWEEN THE BASE PLATE SHALL BE PACKED WITH NON-SHRINK, HIGH-STRENGTH GROUT. POLE ARMS SHALL BE ORIENTED AS INDICATED ON THE PLAN.
3. THE NEW LIGHT FIXTURES SHALL BE GE EVOLVE LED MEDIUM COBRAHEAD ROADWAY LIGHT, ERS10FX40DGRAY (FIXTURES WITH SHORTING CAP) AND ERS10FX40EGRAY (FIXTURE WITH PHOTO CELL). PROVIDE A PHOTOCELL ON THE LIGHT STANDARD NEAREST THE SERVICE POLE. INSTALL SHORTING CAPS IN THOSE FIXTURES THAT ARE CONTROLLED BY A REMOTE PHOTOCELL.
4. BURIED 3/4" SCH. 40 PVC CONDUIT RUNS AND WIRING ARE REQUIRED TO MAKE THE CONNECTIONS. CONDUIT SHALL BE BURIED A MINIMUM OF 24" BELOW FINISH GRADE. USE LONG SWEEP ELBOWS TO BRING CONDUIT UP INTO LIGHT FOUNDATIONS. ALL WORK SHALL BE DONE BY A LICENSED ELECTRICIAN IN KEEPING WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
5. ALL ELECTRICAL WORK SHALL BE COORDINATED THROUGH AND INSPECTED BY THE MWSU ELECTRICAL SUPERINTENDENT, DOUGLAS ALLISON (940) 397-4706.

CAUTION!!! ----- UNDERGROUND UTILITIES!!!

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED APPROXIMATELY BY SIGHT OR FROM INFORMATION SUPPLIED BY THE VARIOUS OWNERS OF THE FACILITIES. THE ENGINEER AND OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE LOCATIONS SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. TO TAKE NECESSARY PRECAUTIONS TO PROTECT ALL UTILITIES ENCOUNTERED; AND TO NOTIFY ENGINEER PROMPTLY OF ALL CONFLICTS WITH THE PROPOSED WORK. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES AND FACILITIES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPAIR OR REPLACEMENT OF ANY UTILITIES AS REQUIRED BY THE FACILITY OWNERS. CONTACT ALL POSSIBLE UTILITY AND FACILITY OWNERS AND TAKE PROPER SAFETY AND PROTECTION MEASURES AS REQUIRED BY THE FACILITY OWNERS.

- MSU - MARK MORGAN, CENTRAL PLANT SUPERINTENDENT - (940) 397-4648
- AT&T - (940) 766-7217
- TEXAS DEPARTMENT OF TRANSPORTATION - (940) 720-7709
- ONCOR ELECTRIC DELIVERY - (940) 766-5460
- UNDERGROUND FACILITIES LOCATOR SERVICE - (800) 344-8377
- ATMOS ENERGY - (940) 696-7602



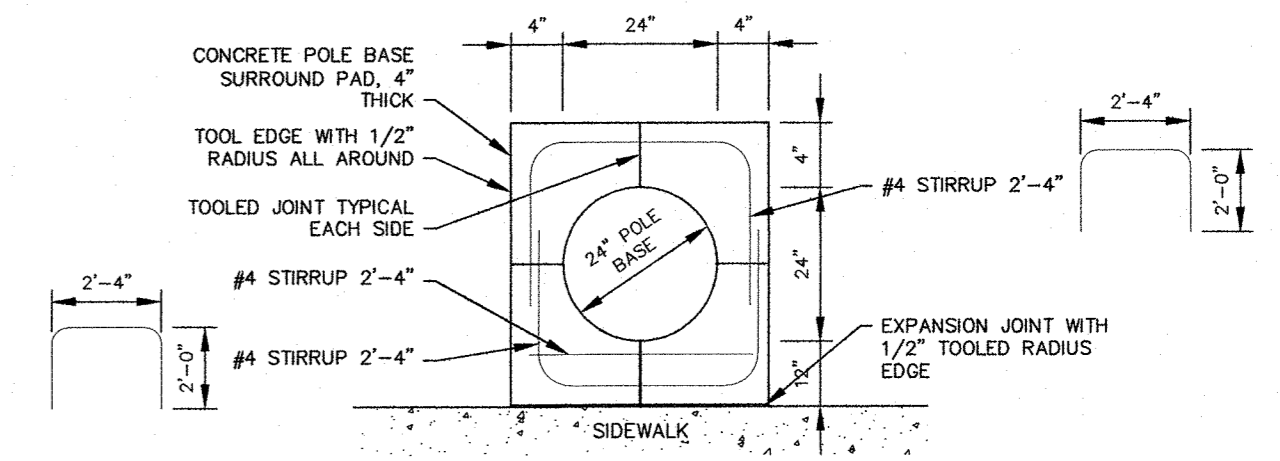
Devin G. Smith 4/5/19
 DEVIN G. SMITH
 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

BASIS OF BEARINGS ARE NAD 83 - TEXAS NORTH CENTRAL

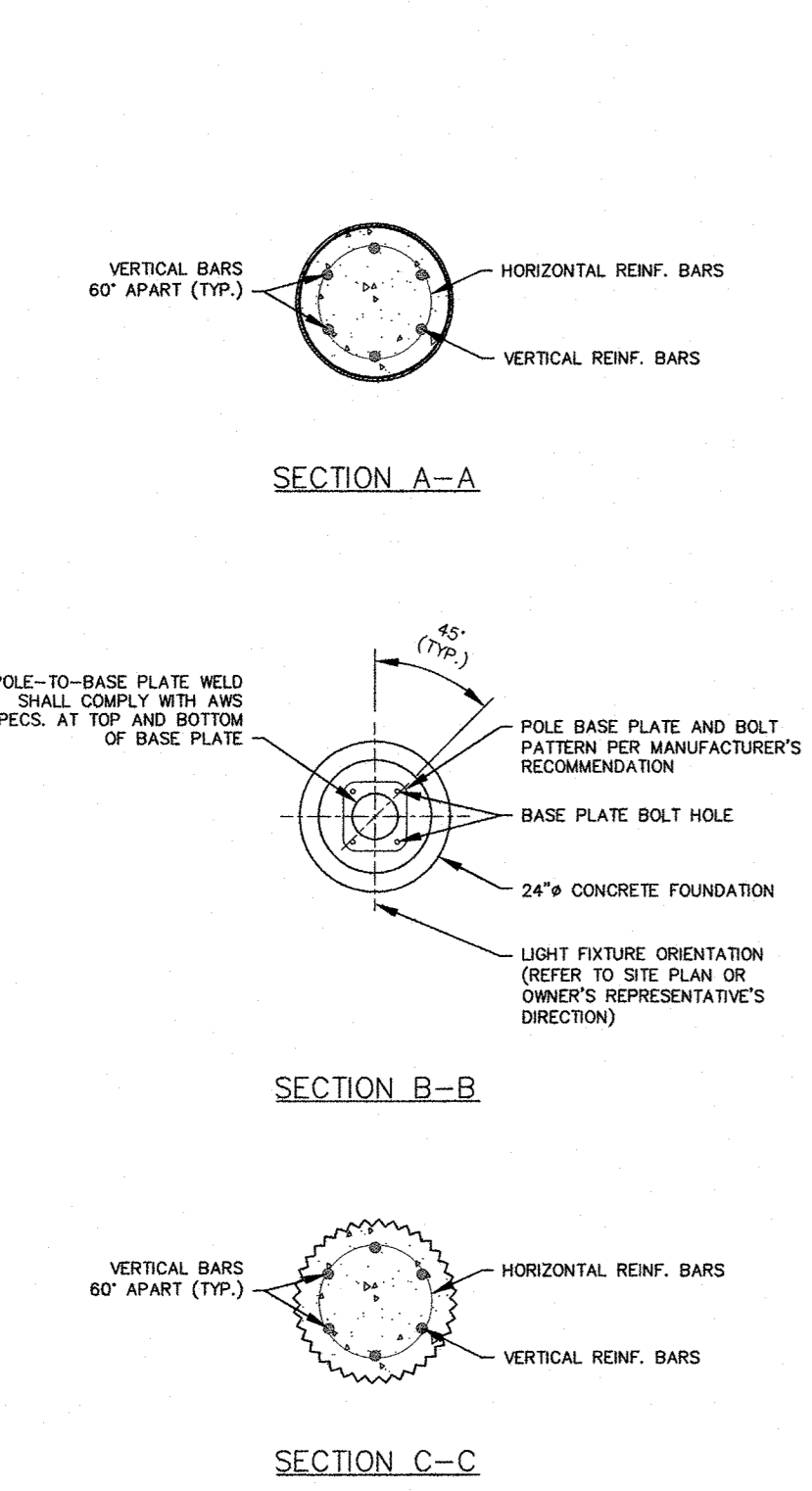
LIGHTING PLAN
OUT OF LOT 5, BLOCK 46
HIGHLAND ADDITION
MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, WICHITA COUNTY, TEXAS

DRAWN	WAT	CORLETT, PROBST & BOYD, P.L.L.C. ENGINEERS - SURVEYORS 4605 OLD JACKSBORO HIGHWAY WICHITA FALLS, TEXAS 76302
CHECKED	DSS	
APPROVED	DSS	
PHONE (940)733-1455	TSPE F-279	
FAX (940)397-0549	TBPLS-100541-00	

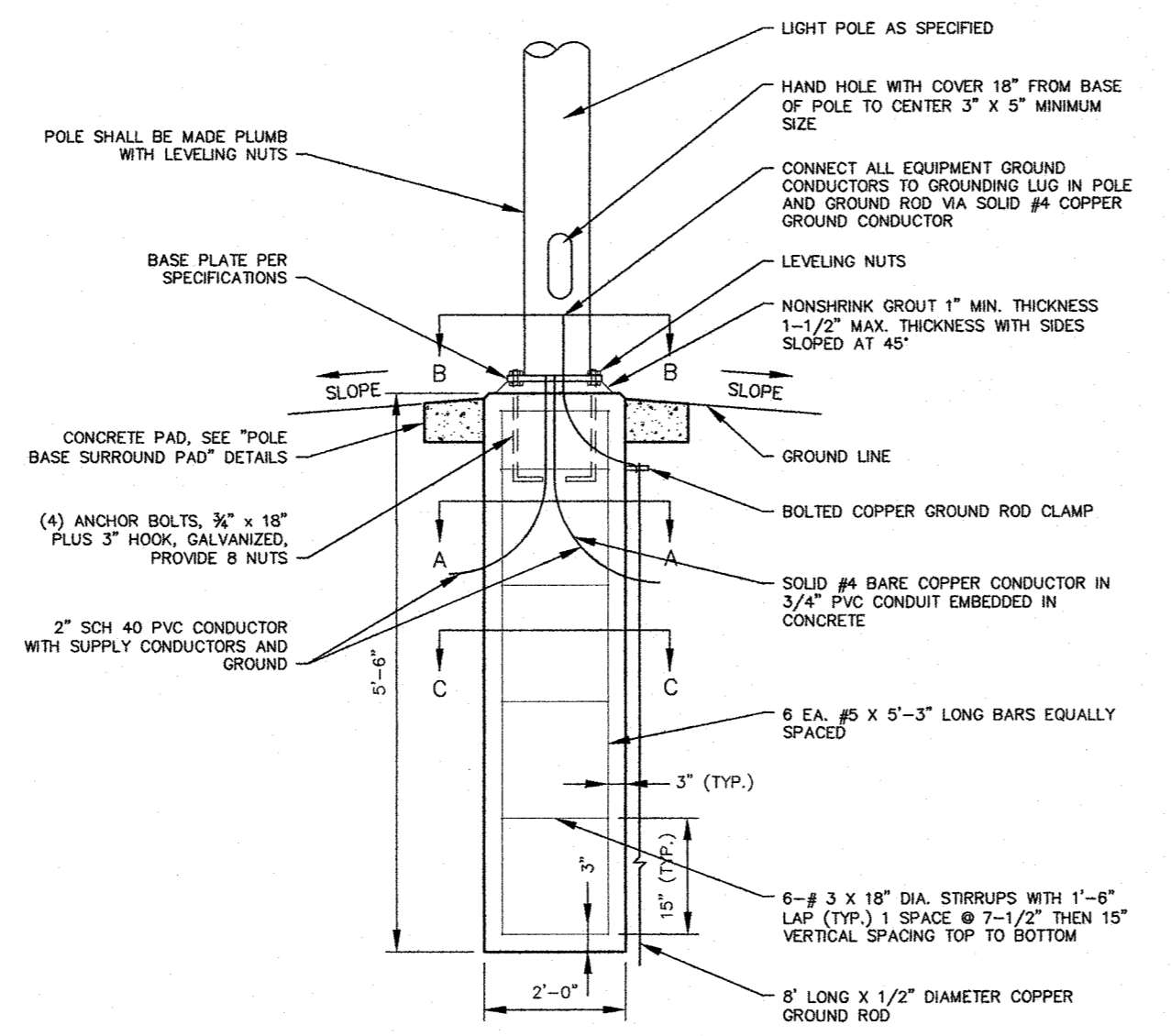
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**STREET LIGHTING
AREA DETAIL**
SCALE: NONE

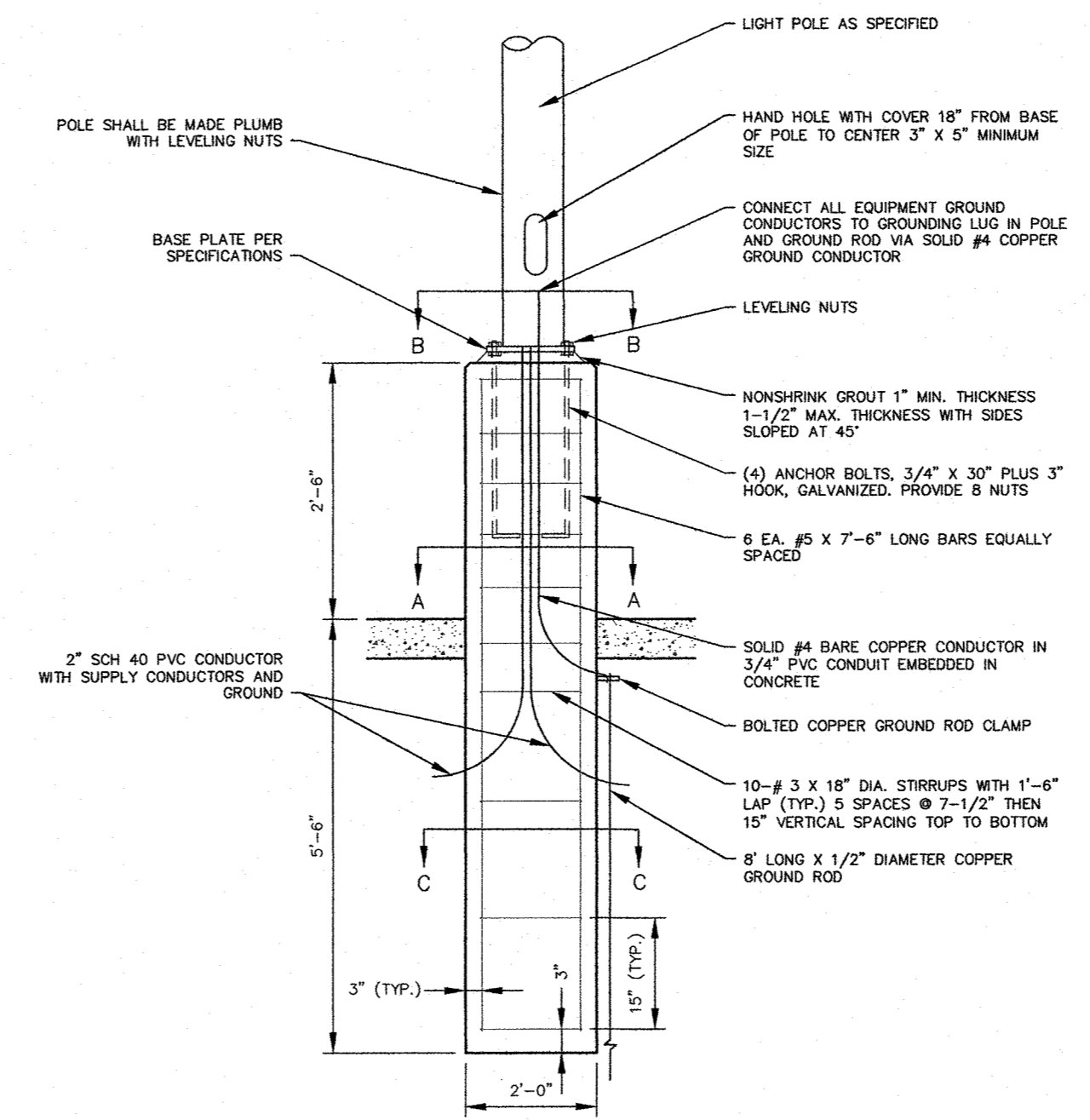


LIGHT POLE FOUNDATION SECTIONS
SCALE: NONE



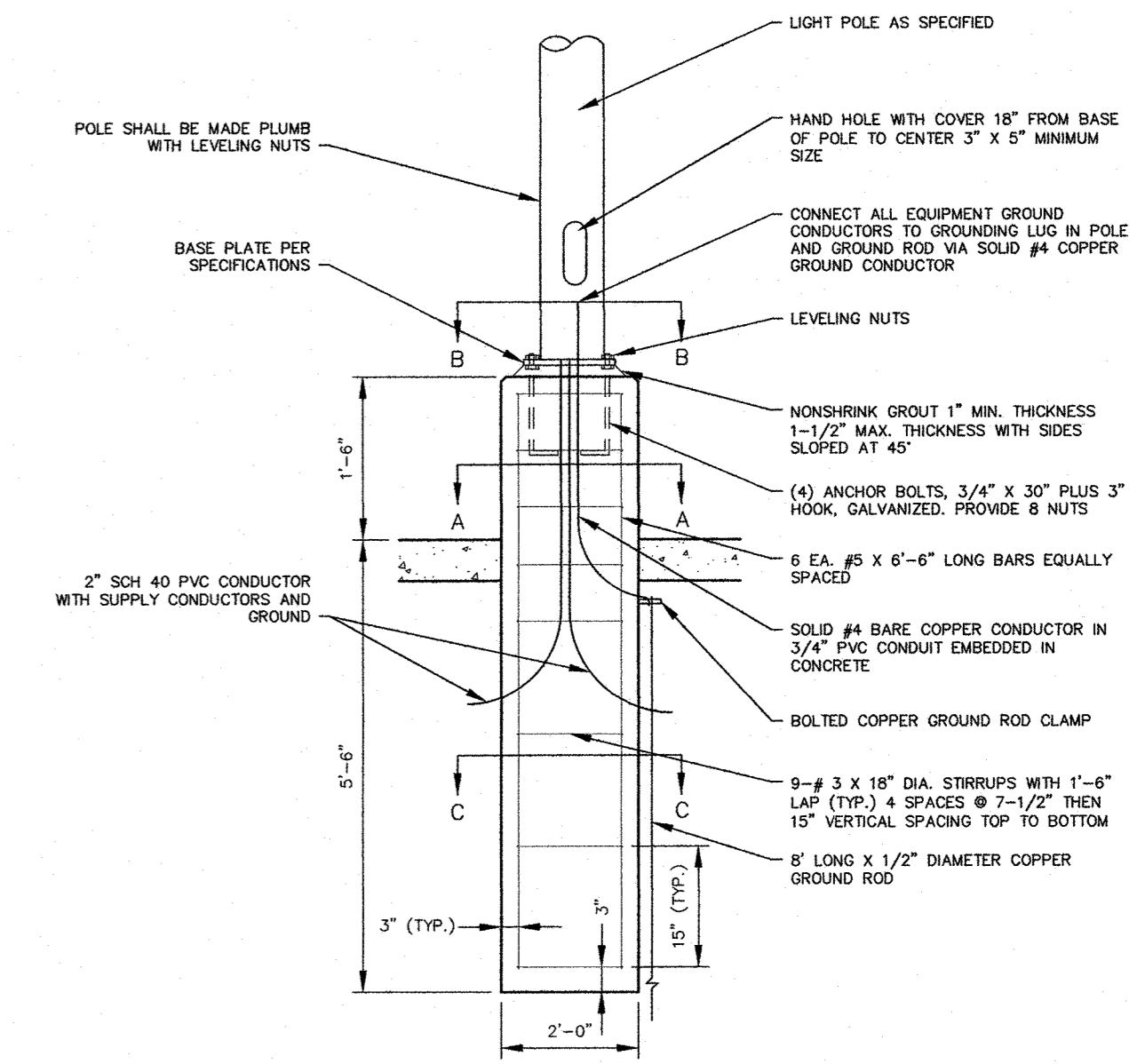
- NOTES:
- USE 3500 PSI MIN. 28 DAY COMPRESSIVE STRENGTH CONC. WITH GRADE 60 REINFORCING.
 - IF WATER IS PRESENT IN HOLE, REMOVE BEFORE PLACING CONCRETE.
 - FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED SOIL. ALL LOOSE SOIL MATERIAL SHALL BE REMOVED PRIOR TO PLACING CONCRETE.
 - CONFIRM ACTUAL ANCHOR BOLT PATTERN AND DIMENSIONS WITH POLE MANUFACTURER'S DRAWINGS.
 - FORM CONCRETE FROM 6" BELOW GRADE TO TOP OF BASE. FILL ENTIRE EXCAVATION WITH CONCRETE AFTER REMOVAL OF ALL DISTURBED SOIL.
 - STREET LIGHTING AREAS ARE DEFINED AS AREAS OUTSIDE PAVEMENT WHERE THE CENTERLINE OF THE POLE IS GREATER THAN 5 FEET FROM THE BACK OF CURB.
 - POLE AND LAMP HOLDER TO BE GE EVOLVE: ERS10F1X400GRAY (FIXTURES WITH SHORTING CAP) AND ERS10F1X400GRAY (FIXTURE WITH PHOTO CELL) WITH MULTI-VOLTAGE CAPABILITIES.

**LANDSCAPE OR FOOT TRAFFIC AREA
LIGHT POLE FOUNDATION DETAIL**
SCALE: NONE



- NOTES:
- USE 3500 PSI MIN. 28 DAY COMPRESSIVE STRENGTH CONC. WITH GRADE 60 REINFORCING.
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**VEHICULAR TRAFFIC AREA LIGHT
POLE FOUNDATION DETAIL**
SCALE: NONE

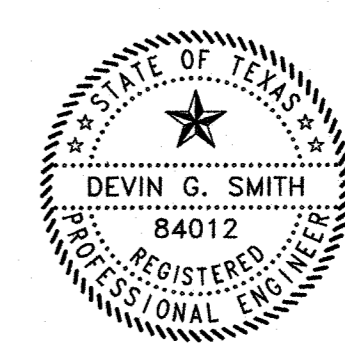


- NOTES:
- USE 3500 PSI MIN. 28 DAY COMPRESSIVE STRENGTH CONC. WITH GRADE 60 REINFORCING.
 - IF WATER IS PRESENT IN HOLE, REMOVE BEFORE PLACING CONCRETE.
 - FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED SOIL. ALL LOOSE SOIL MATERIAL SHALL BE REMOVED PRIOR TO PLACING CONCRETE.
 - CONFIRM ACTUAL ANCHOR BOLT PATTERN AND DIMENSIONS WITH POLE MANUFACTURER'S DRAWINGS.
 - FORM CONCRETE FROM 6" BELOW GRADE TO TOP OF BASE. FILL ENTIRE EXCAVATION WITH CONCRETE AFTER REMOVAL OF ALL DISTURBED SOIL.
 - STREET LIGHTING AREAS ARE DEFINED AS AREAS OUTSIDE PAVEMENT WHERE THE CENTERLINE OF THE POLE IS GREATER THAN 5 FEET FROM THE BACK OF CURB.
 - POLE AND LAMP HOLDER TO BE GE EVOLVE: ERS10F1X400GRAY (FIXTURES WITH SHORTING CAP) AND ERS10F1X400GRAY (FIXTURE WITH PHOTO CELL) WITH MULTI-VOLTAGE CAPABILITIES.

**STREET LIGHTING AREA LIGHT
POLE FOUNDATION DETAIL**
SCALE: NONE

TYPICAL LIGHTING NOTES

- THE NEW LIGHT POLES SHALL BE MOUNTED TO THE CONCRETE FOUNDATIONS WITH GALVANIZED ANCHOR BOLTS. THE ANCHOR BOLTS SHALL BE DOUBLE-NUTTED TO PLUMB THE POLE. ONCE THE POLE HAS BEEN PLUMBED AND BOLTS TIGHTENED, THE SPACE BENEATH THE BASE PLATE SHALL BE PACKED WITH NON-SHRINK, HIGH STRENGTH GROUT. POLE ARMS SHALL BE ORIENTED AS INDICATED ON THE PLAN.
- BURIED 2" SCH. 40 PVC CONDUIT RUNS AND WIRING ARE REQUIRED TO MAKE THE CONNECTIONS. CONDUIT SHALL BE BURIED A MINIMUM OF 24" BELOW FINISH GRADE. USE LONG SWEEP ELBOWS TO BRING CONDUIT UP INTO LIGHT FOUNDATIONS. ALL WORK SHALL BE DONE BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, LATEST EDITION.
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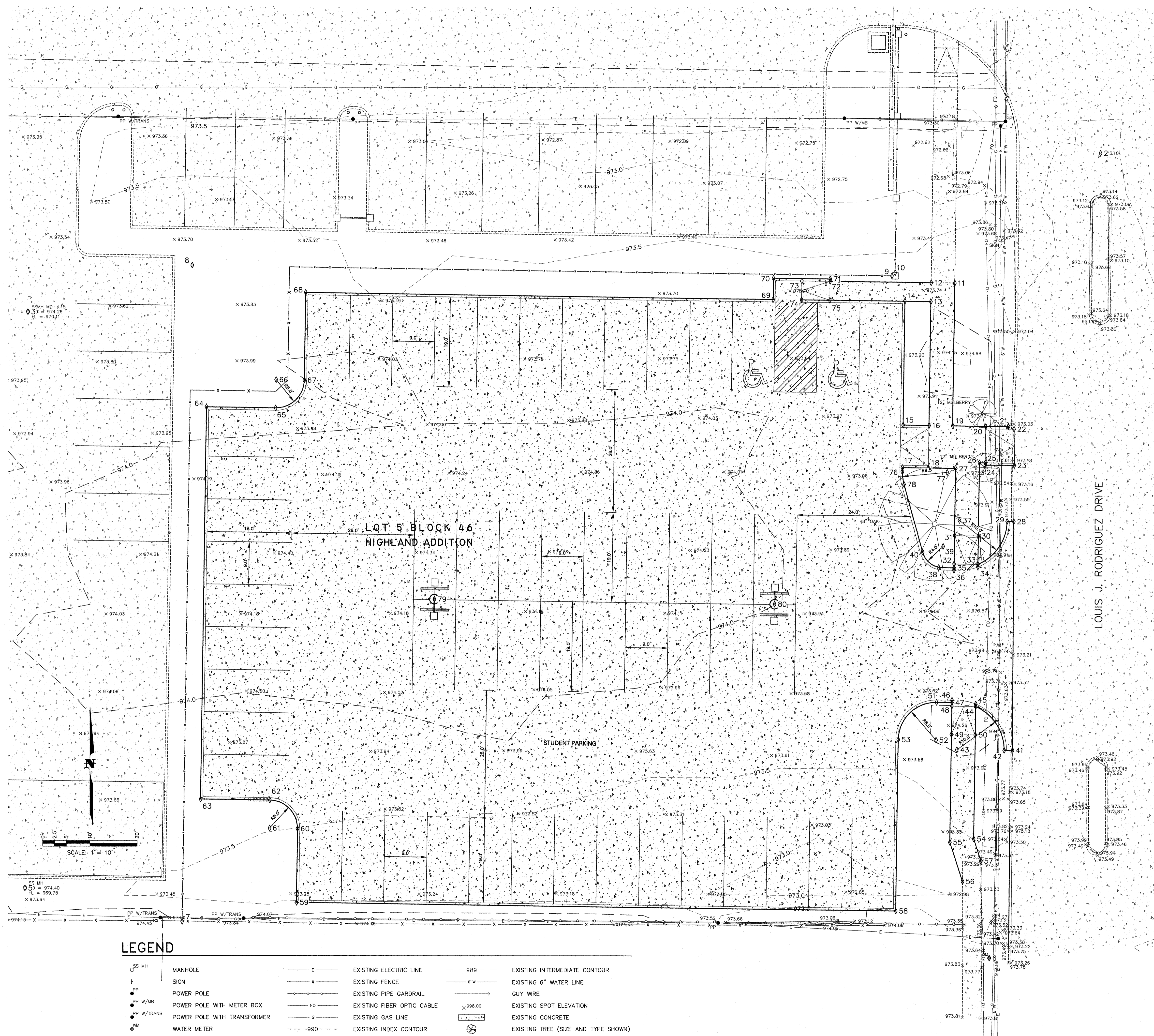
Devin G. Smith
DEVIN G. SMITH
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

LIGHTING PLAN DETAILS
OUT OF LOT 5, BLOCK 46
HIGHLAND ADDITION
MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, WICHITA COUNTY, TEXAS

CORLETT, PROBST & BOYD, P.L.L.C.
ENGINEERS - SURVEYORS
4605 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302

DRAWN	WAT
CHECKED	DGS
APPROVED	DGS
PHONE (940)723-1455	
FAX (940)397-0549	

SCALE: NONE MAY, 2019 SHEET 7 OF 8



Point Table			
Point #	Northing	Easting	Description
1	7365981.14	1961042.78	WRK PT
2	7365957.23	1961320.11	WRK PT
3	7365923.68	1961092.88	EXIST MH
4	7365890.26	1961058.85	WRK PT
5	7365801.86	1961092.31	EXIST MH
6	7365786.99	1961296.57	WM
7	7365794.79	1961125.61	PNT STK
8	7365933.52	1961127.67	PNT STK
9	7365931.29	1961275.97	PNT STK
10	7365931.95	1961276.65	PNT STK
11	7365929.77	1961289.29	PNT STK
12	7365929.84	1961284.29	PNT STK
13	7365925.84	1961284.23	PNT STK
14	7365925.92	1961278.73	PNT STK
15	7365899.72	1961278.34	PNT STK
16	7365899.64	1961283.84	PNT STK
17	7365890.72	1961278.21	PNT STK
18	7365890.64	1961283.71	PNT STK
19	7365899.57	1961288.84	PNT STK
20	7365899.46	1961295.80	PNT STK
21	7365899.43	1961300.61	PNT STK
22	7365898.87	1961301.79	PNT STK
23	7365891.20	1961301.86	PNT STK
24	7365891.25	1961295.71	PNT STK
25	7365891.75	1961295.72	PNT STK
26	7365891.77	1961294.48	PNT STK
27	7365890.55	1961289.46	PNT STK
28	7365879.34	1961301.75	PNT STK
29	7365879.37	1961300.35	PNT STK
30	7365876.28	1961294.25	PNT STK
31	7365876.36	1961289.25	PNT STK
32	7365870.36	1961289.16	PNT STK
33	7365870.27	1961294.16	PNT STK
34	7365869.74	1961294.15	PNT STK
35	7365869.55	1961289.15	PNT STK
36	7365869.05	1961289.14	PNT STK
37	7365879.57	1961290.27	RAD
38	7365869.59	1961285.89	PNT STK
39	7365874.08	1961286.83	RAD
40	7365872.88	1961282.50	PNT STK

Point Table			
Point #	Northing	Easting	Description
41	7365830.92	1961301.51	PNT STK
42	7365830.93	1961299.75	PNT STK
43	7365831.04	1961289.75	RAD
44	7365840.22	1961293.72	PNT STK
45	7365840.76	1961293.72	PNT STK
46	7365841.55	1961288.74	PNT STK
47	7365841.05	1961288.73	PNT STK
48	7365840.29	1961288.72	PNT STK
49	7365834.29	1961288.63	PNT STK
50	7365834.22	1961293.63	PNT STK
51	7365841.10	1961285.47	PNT STK
52	7365833.09	1961285.36	RAD
53	7365833.22	1961277.35	PNT STK
54	7365812.22	1961293.30	PNT STK
55	7365811.47	1961288.29	PNT STK
56	7365803.21	1961290.95	PNT STK
57	7365807.53	1961294.81	PNT STK
58	7365796.95	1961276.82	PNT STK
59	7365798.86	1961149.83	PNT STK
60	7365814.45	1961150.06	PNT STK
61	7365814.54	1961144.14	RAD
62	7365820.46	1961144.17	PNT STK
63	7365820.67	1961129.50	PNT STK
64	7365903.59	1961130.73	PNT STK
65	7365903.37	1961145.40	PNT STK
66	7365909.35	1961145.49	RAD
67	7365909.27	1961151.47	PNT STK
68	7365927.81	1961151.75	PNT STK
69	7365926.34	1961250.79	PNT STK
70	7365930.83	1961250.85	PNT STK
71	7365930.66	1961262.88	PNT STK
72	7365930.16	1961262.87	PNT STK
73	7365930.25	1961256.87	PNT STK
74	7365926.25	1961256.81	PNT STK
75	7365926.16	1961262.81	PNT STK
76	7365889.86	1961278.19	PNT STK
77	7365889.72	1961287.69	RAD
78	7365887.18	1961278.54	PNT STK
79	7365862.99	1961179.05	PNT STK
80	7365861.92	1961251.12	PNT STK

LEGEND

- | | | | | | |
|------------|-----------------------------|-------|----------------------------|---------|-------------------------------------|
| SS MH | MANHOLE | —E— | EXISTING ELECTRIC LINE | —989— | EXISTING INTERMEDIATE CONTOUR |
| — | SIGN | —X— | EXISTING FENCE | —6" W— | EXISTING 6" WATER LINE |
| PP | POWER POLE | —FO— | EXISTING PIPE GARDRAIL | —998.00 | EXISTING SPOT ELEVATION |
| PP W/MB | POWER POLE WITH METER BOX | —G— | EXISTING FIBER OPTIC CABLE | — | EXISTING GAS LINE |
| PP W/TRANS | POWER POLE WITH TRANSFORMER | —990— | EXISTING INDEX CONTOUR | — | EXISTING CONCRETE |
| WM | WATER METER | — | | — | EXISTING TREE (SIZE AND TYPE SHOWN) |



Devin G. Smith
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 REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5849

BASIS OF BEARINGS ARE NAD 83 - TEXAS NORTH CENTRAL

DIMENSION CONTROL
 OUT OF LOT 5, BLOCK 46
 HIGHLAND ADDITION
 MIDWESTERN STATE UNIVERSITY
 WICHITA FALLS, WICHITA COUNTY, TEXAS

DRAWN	WAT	CORLETT, PROBST & BOYD, P.L.L.C.
CHECKED	DOS	
APPROVED	DOS	ENGINEERS - SURVEYORS
PHONE (840)723-1455		4605 OLD JACKSBORO HIGHWAY
FAX (840)397-0549		WICHITA FALLS, TEXAS 76302
	TBPE F-279	TBPLS-100541-00

SCALE: 1" = 10' MAY, 2019 SHEET 8 OF 8